



RADIO TEST REPORT

FCC ID : TX2-RTL8852CE
Equipment : 11ax RTL8852CE Combo module
Brand Name : REALTEK
Model Name : RTL8852CE
Applicant : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu Science Park,
Hsinchu 300, Taiwan
Manufacturer : Realtek Semiconductor Corp.
No. 2, Innovation Road II, Hsinchu Science Park,
Hsinchu 300, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Nov. 05, 2021, and testing was started from Nov. 13, 2021 and completed on Aug. 08, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
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History of this test report

Report No.	Version	Description	Issued Date
FR1N0223-06AC	01	Initial issue of report	Sep. 14, 2022



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
2.8	15.207	AC Power-line Conducted Emissions	PASS	-
2.9	15.247(a)	20dB Bandwidth	PASS	-
2.9	15.247(a)	Carrier Frequency Separation	PASS	-
2.10	15.247(b)	Maximum Conducted Output Power	PASS	-
2.11	15.247(a)	Number of Hopping Frequencies and Hopping Band edge	PASS	-
2.12	15.247(a)	Time of Occupancy (Dwell Time)	PASS	-
2.13	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
2.14	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-
Note: Reference to Sporton Project No.: 1N0223.				

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Version	Ch. Frequency (MHz)	Channel Number
2400-2483.5	BR / EDR	2402-2480	0-78 [79]

Band	Mode	BWch (MHz)	Nant
2400-2483.5	BT-BR	1	1
2400-2483.5	BT-EDR	1	1

Note:

- ♦ Bluetooth BR uses a GFSK (1Mbps).
- ♦ Bluetooth EDR uses a combination of $\pi/4$ -DQPSK (2Mbps) and 8DPSK (3Mbps).
- ♦ Bluetooth BR/EDR uses as a system using FHSS modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz / 5GHz / 6GHz	Bluetooth					
1	1/2	1	ARISTOTLE	RFA-27-JP378-4B-200	Monopole	I-PEX	Note 1
2	1/2	1	ARISTOTLE	RFA-27-JP326-MH4300	PIFA	I-PEX	
3	1/2	1	ARISTOTLE	RFA-27-C38H1-MH4300	Dipole	I-PEX	

Note 1

Ant.	Port		Gain (dBi)		
	WLAN 2.4GHz / 5GHz / 6GHz	Bluetooth	WLAN 2.4GHz	WLAN 5GHz / 6GHz	Bluetooth
1	1/2	1	3.38	4.86	3.38
2	1/2	1	3.50	5.00	3.50
3	1/2	1	3.00	5.00	3.00

Note 2: The above information was declared by manufacturer.

Note 3: For Conducted measurement Test: Only the highest gain antenna "Ant. 2" was selected to perform the test and recorded in this report.

<For WLAN 2.4GHz function>**For IEEE 802.11b/g/n/VHT/ax (1TX/2RX):****For Conducted:**

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously

For Radiated:

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 2 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously

For IEEE 802.11b/g/n/VHT/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

**<For WLAN 5GHz function>****For IEEE 802.11a/n/ac/ax (1TX/2RX):**

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously

For IEEE 802.11a/n/ac/ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For WLAN 6GHz function>**For IEEE 802.11ax (1TX/2RX):**

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The Port 1 generated the worst case, so it was selected to test and record in the report.

Port 1 and Port 2 could receive simultaneously

For IEEE 802.11ax (2TX/2RX):

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For Bluetooth function> (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{SS}} \left[\sum_{k=1}^{N_{ANT}} g_{i,k} \right]^2}{N_{ANT}} \right]$
BF	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{SS}} \left[\sum_{k=1}^{N_{ANT}} g_{i,k} \right]^2}{N_{ANT}} \right]$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{SS}} \left[\sum_{k=1}^{N_{ANT}} g_{i,k} \right]^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{SS}} \left[\sum_{k=1}^{N_{ANT}} g_{i,k} \right]^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

Monopole Antenna

$$2.4G\ G1 = 3.38\ dBi ; G2 = 3.38\ dBi ; DG = 6.39\ dBi$$

$$5G\ G1 = 4.86\ dBi ; G2 = 4.86\ dBi ; DG = 7.87\ dBi$$

$$6G\ G1 = 4.86\ dBi ; G2 = 4.86\ dBi ; DG = 7.87\ dBi$$

PIFA Antenna

$$2.4G\ G1 = 3.5\ dBi ; G2 = 3.5\ dBi ; DG = 6.51\ dBi$$

$$5G\ G1 = 5\ dBi ; G2 = 5\ dBi ; DG = 8.01\ dBi$$

$$6G\ G1 = 5\ dBi ; G2 = 5\ dBi ; DG = 8.01\ dBi$$

Dipole Antenna

$$2.4G\ G1 = 3\ dBi ; G2 = 3\ dBi ; DG = 6.01\ dBi$$

$$5G\ G1 = 5\ dBi ; G2 = 5\ dBi ; DG = 8.01\ dBi$$

$$6G\ G1 = 5\ dBi ; G2 = 5\ dBi ; DG = 8.01\ dBi$$

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
BT-BR(1Mbps)	0.747	1.27	2.885m	1k
BT-EDR(2Mbps)	0.746	1.27	2.746m	1k
BT-EDR(3Mbps)	0.747	1.27	2.893m	1k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From host system
Test Software Version	RTLBTAPP V5.2.3.13



1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information				
Test Lab. : Sporton International Inc. Hsinchu Laboratory				
Hsinchu ADD: No.8, Ln. 724, Bo' ai St., Zhubei City, Hsinchu County 302010, Taiwan				
(TAF: 3787) TEL: 886-3-656-9065 FAX: 886-3-656-9085				
Test site Designation No. TW3787 with FCC.				
Conformity Assessment Body Identifier (CABID) TW3787 with ISCED.				

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (Other Tests)	TH01-CB	Serway Lee	21~22.3 / 65~69	May 02, 2022~ Jun. 17, 2022
RF Conducted (Maximum Conducted Output Power test)	TH01-CB	Serway Lee	21~22.3 / 65~69	May 02, 2022~ Aug. 08, 2022
Radiated <Below 1GHz>	10CH01-CB	Peter Wu	23~24 / 57~58	May 18, 2022
Radiated <Above 1GHz: Ant. 1 and Ant. 3>	03CH03-CB	Ken Yeh	23.8-24.9 / 55-58	Nov. 13, 2021~ Dec. 20, 2021
	03CH05-CB		24.5-25.6 °C / 56-59	
Radiated <Above 1GHz: Ant. 2>	03CH02-CB	Ken Yeh	23.7-24.8 / 57-60	Nov. 13, 2021~ Dec. 20, 2021
	03CH03-CB		23.8-24.9 / 55-58	
Radiated <Co-location>	03CH04-CB	Ken Yeh	24.4-25.5 / 55-58	Jun. 09, 2022
AC Conduction	CO01-CB	Ryan Huang	23~24 / 56~57	May 13, 2022



1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

Test Date: Before Jun. 01, 2022

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%

Test Date: After May 31, 2022

Test Items	Uncertainty	Remark
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

<High Power>

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	0x53
2440MHz	0x53
2480MHz	0x53
BT-EDR(2Mbps)	-
2402MHz	0x53
2440MHz	0x53
2480MHz	0x53
BT-EDR(3Mbps)	-
2402MHz	0x52
2440MHz	0x52
2480MHz	0x52

<Low Power>

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	0x45
2440MHz	0x44
2480MHz	0x46
BT-EDR(2Mbps)	-
2402MHz	0x4a
2440MHz	0x4c
2480MHz	0x4c
BT-EDR(3Mbps)	-
2402MHz	0x4b
2440MHz	0x4c
2480MHz	0x4c

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + WLAN 2.4GHz+ Bluetooth + Ant. 2
2	EUT + WLAN 5GHz+ Bluetooth + Ant. 2
3	EUT + WLAN 6GHz+ Bluetooth + Ant. 2
Mode 2 generated the worst test result, so it was recorded in this report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Conducted Output Power
Test Condition	Conducted measurement at transmit chains
1	High power: EUT with Ant. 2
2	Low power: EUT with Ant. 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	20dB Bandwidth Carrier Frequency Separation Number of Hopping Frequencies Hopping Bandedge Time of Occupancy (Dwell Time) Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
1	EUT with Ant. 1
2	EUT with Ant. 2
3	EUT with Ant. 3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT in X axis + WLAN 2.4GHz + Bluetooth + Ant. 2
2	EUT in Y axis + WLAN 2.4GHz + Bluetooth + Ant. 2
3	EUT in Z axis + WLAN 2.4GHz + Bluetooth + Ant. 2
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 ~ 5 will follow this same test mode.	
4	EUT in Z axis + WLAN 5GHz + Bluetooth + Ant. 2
5	EUT in Z axis + WLAN 6GHz + Bluetooth + Ant. 2
Mode 3 has been evaluated to be the worst case among Mode 1~5, thus measurement for Mode 6 ~ 7 will follow this same test mode.	
6	EUT in Z axis + WLAN 2.4GHz + Bluetooth + Ant. 3
7	EUT in Z axis + WLAN 2.4GHz + Bluetooth + Ant. 1
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case as below:	
1	EUT in Z axis with Ant. 1
2	EUT in Z axis with Ant. 2
3	EUT in Y axis with Ant. 3



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The EUT was performed at X axis, Y axis and Z axis position. EUT X axis in 5GHz + Bluetooth and EUT Y axis in 6GHz + Bluetooth were been evaluated to be the worst case at Radiated measurement <Above 1GHz>; thus, the measurement will follow this same test configuration	
1	EUT in X with Ant. 1 (Port 1)_WLAN 5GHz + Bluetooth
2	EUT in Y with Ant. 1 (Port 1)_WLAN 6GHz + Bluetooth
3	EUT in X with Ant. 2 (Port 1)_WLAN 5GHz + Bluetooth
4	EUT in Y with Ant. 2 (Port 1)_WLAN 6GHz + Bluetooth
5	EUT in X with Ant. 3 (Port 1)_WLAN 5GHz + Bluetooth
6	EUT in Y with Ant. 3 (Port 1)_WLAN 6GHz + Bluetooth
For operating mode 5 is the worst case and it was record in this test report.	
Refer to Appendix H for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Bluetooth + WLAN 5GHz : 2TX
2	Bluetooth + WLAN 6GHz : 2TX
3	WLAN 2.4GHz: 1TX + WLAN 5GHz : 1TX
4	WLAN 2.4GHz: 1TX + WLAN 6GHz : 1TX
5	Bluetooth + WLAN 5GHz : 1TX + WLAN 6GHz : 1TX
Refer to Sporton Test Report No.: FA1N0223-06 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A



2.5 Support Equipment

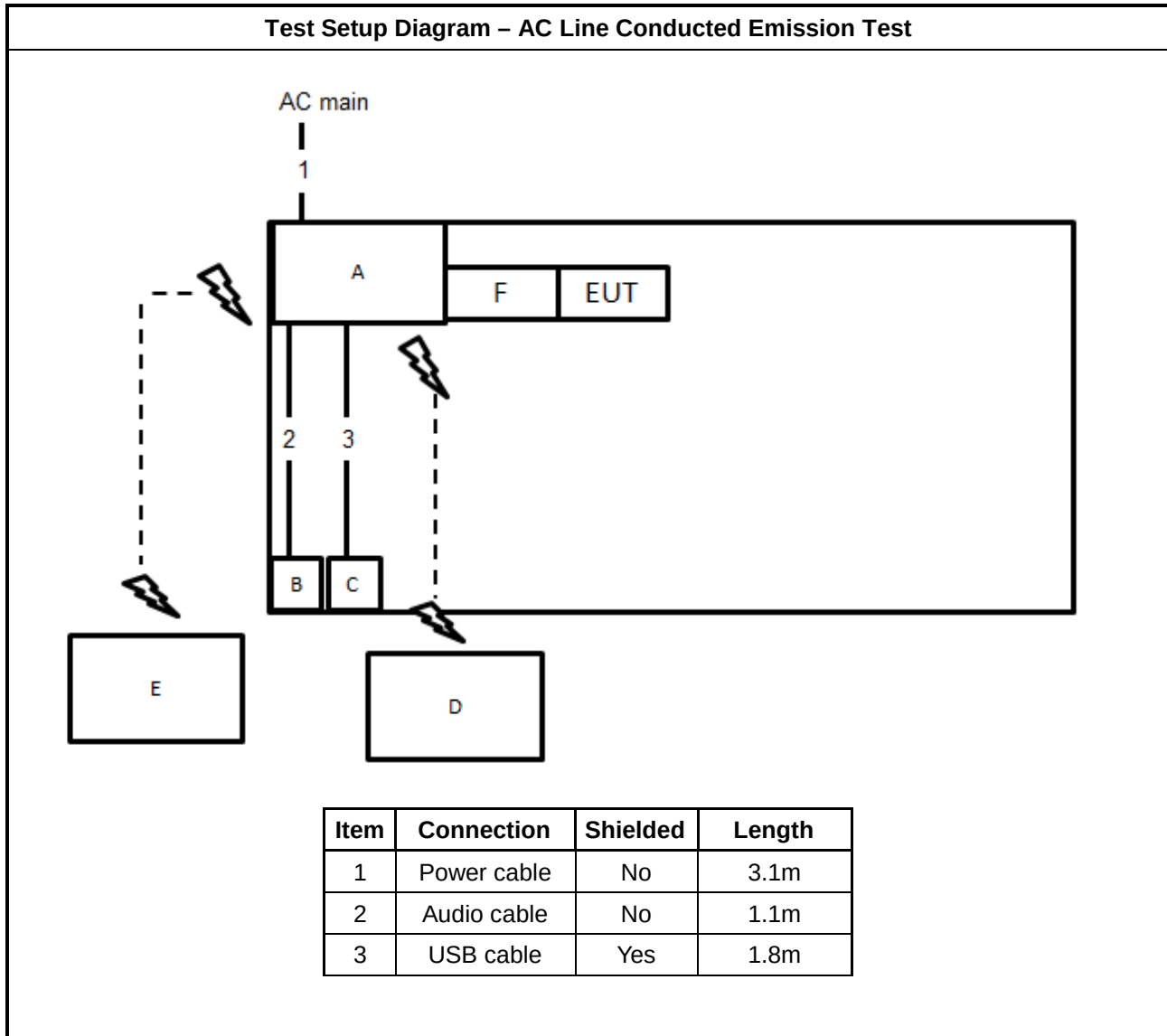
For AC Conduction and Radiated (below 1GHz):

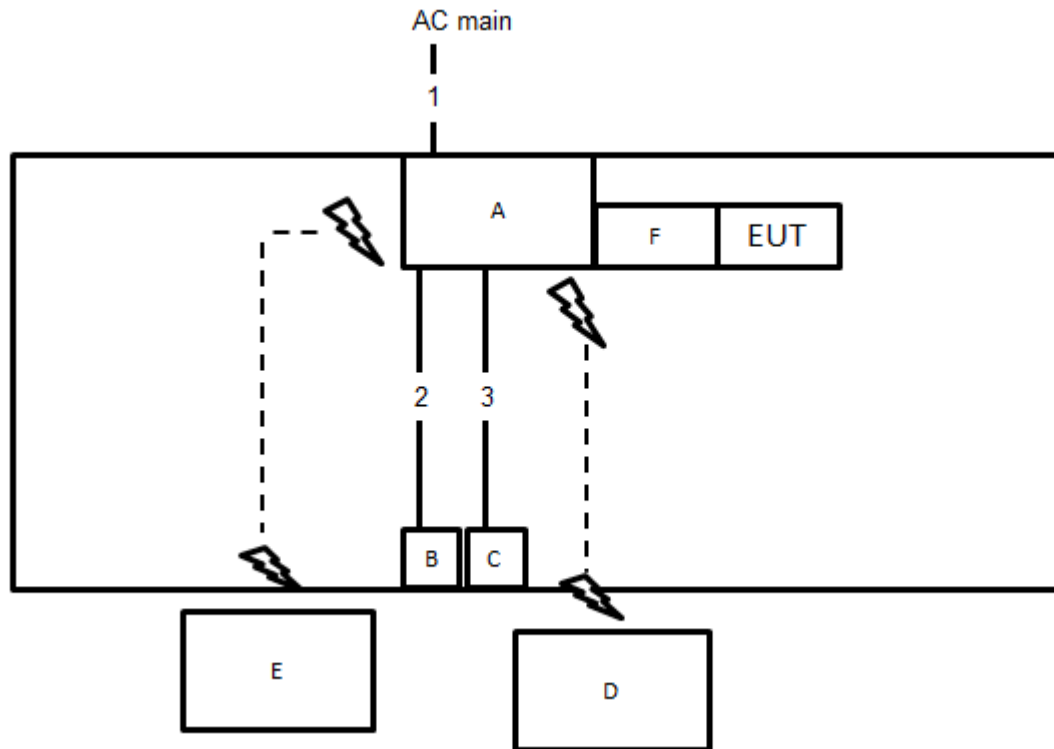
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	PP13S	N/A
B	Earphone	SHYARO CHI	MIC-04	N/A
C	Mouse	Logitech	M-U0026	N/A
D	WIFI AP	ASUS	AX88U	N/A
E	Wireless Connectivity Tester	R&S	CMW270	N/A
F	Test fixture	REALTEK	Ameba adapter	N/A

For Radiated (above 1GHz) and RF Conducted:

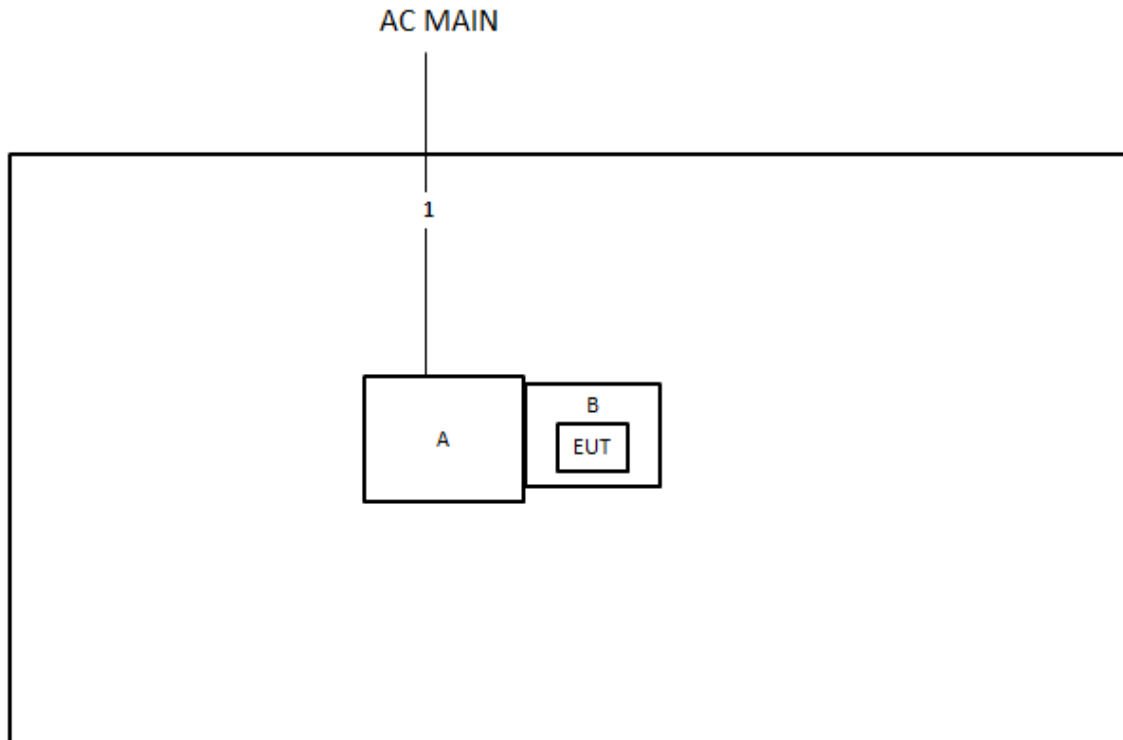
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	Test fixture	REALTEK	Ameba adapter	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	3.1m
2	Audio cable	No	1.1m
3	USB cable	Yes	1.8m

Test Setup Diagram - Radiated Test > 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	1.5m



2.7 Transmitter Test Result

2.8 AC Power-line Conducted Emissions

2.8.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

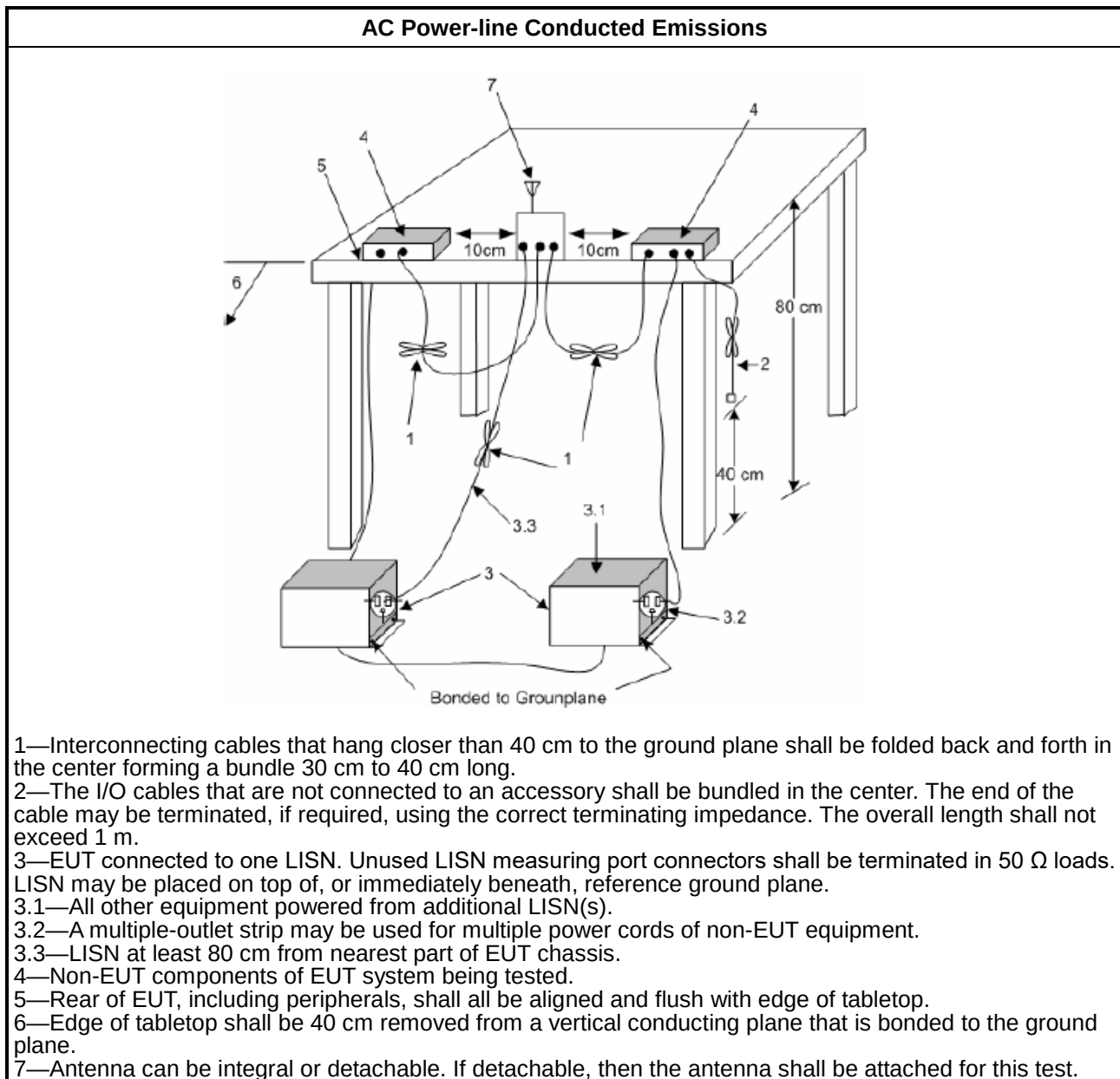
2.8.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

2.8.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

2.8.4 Test Setup



1.1.1. Measurement Results Calculation

The measured Level is calculated using:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. Margin = -Limit + Level

2.8.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

2.9 20dB Bandwidth and Carrier Frequency Separation

2.9.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq \text{MAX}$ (20 dB bandwidth 2/3, 25 kHz).
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 1 MHz.
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

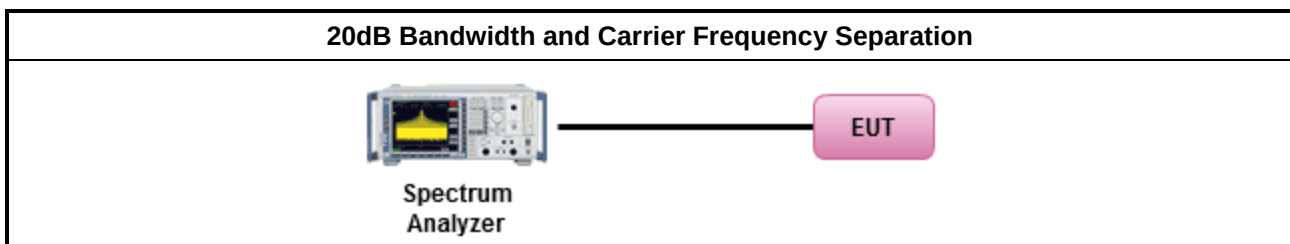
2.9.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

2.9.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 6.9.1 for 20 dB bandwidth measurement.
▪ Refer as ANSI C63.10-2013, clause 7.8.2 for carrier frequency separation measurement.

2.9.4 Test Setup



2.9.5 Test Result of 20dB Bandwidth

Refer as Appendix B

2.9.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

2.10 Maximum Conducted Output Power

2.10.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
▪ 902-928 MHz Band:	
▪ N ≥ 50; Power 30dBm; EIRP 36dBm	
▪ 50 > N ≥ 25; Power 23.98dBm; EIRP 29.98dBm	
▪ 2400-2483.5 MHz Band:	
▪ N ≥ 75; Power 30dBm; EIRP 36dBm	
▪ 75 > N ≥ 15; Power 21dBm; EIRP 27dBm	
▪ 5725-5850 MHz Band:	
▪ N ≥ 75; Power 30dBm; EIRP 36dBm	
N: Number of Hopping Frequencies	

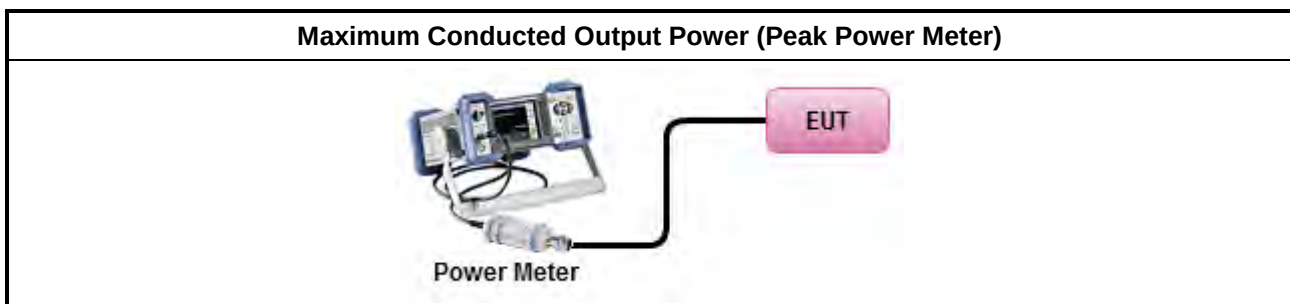
2.10.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

2.10.3 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.5 for output power measurement.

2.10.4 Test Setup



2.10.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

2.11 Number of Hopping Frequencies and Hopping Bandedge

2.11.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	▪ $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 1 MHz.
N: Number of Hopping Frequencies; ChS : Hopping Channel Separation	

2.11.2 Hopping Bandedge Limit

Refer clause 2.13.1 and clause 2.14.1

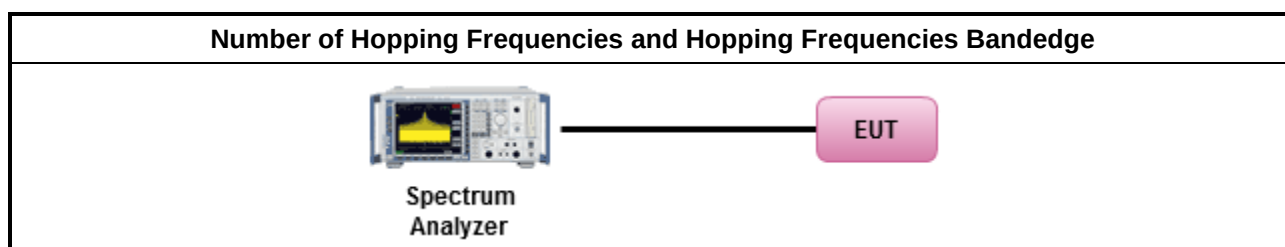
2.11.3 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

2.11.4 Test Procedures

Test Method
▪ Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.
▪ Refer as ANSI C63.10-2013, clause 7.8.6 for hopping frequencies Bandedge measurement.

2.11.5 Test Setup



2.11.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

2.11.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

2.12 Time of Occupancy (Dwell Time)

2.12.1 Time of Occupancy (Dwell Time) Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$; 0.4s in 20s period
	▪ $50 > N \geq 25$; 0.4s in 10s period
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$; 0.4s in $N \times 0.4$ period
	▪ $75 > N \geq 15$; 0.4s in $N \times 0.4$ period
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$; 0.4s in 30s period
N: Number of Hopping Frequencies	

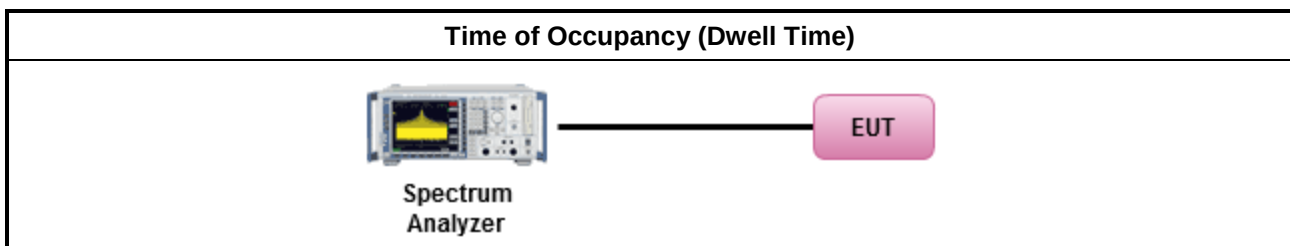
2.12.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

2.12.3 Test Procedures

Test Method	
▪ Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement.	
▪ Bluetooth ACL packets can be 1, 3, or 5 time slots. Following as dwell time. Operate DH5 at maximum dwell time and maximum duty cycle.	
	▪ The DH5 packet can cover up to 5 time slots. Operate DH5 at maximum dwell time and maximum duty cycle. A maximum length packet has duration of 5 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is $5/1600$ seconds, or 3.125ms. DH5 Packet permit maximum $1600/79/6 = 3.37$ hops per second in each channel.

2.12.4 Test Setup



2.12.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

2.13 Emissions in Non-restricted Frequency Bands

2.13.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dBc)
Peak output power procedure	20
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.	

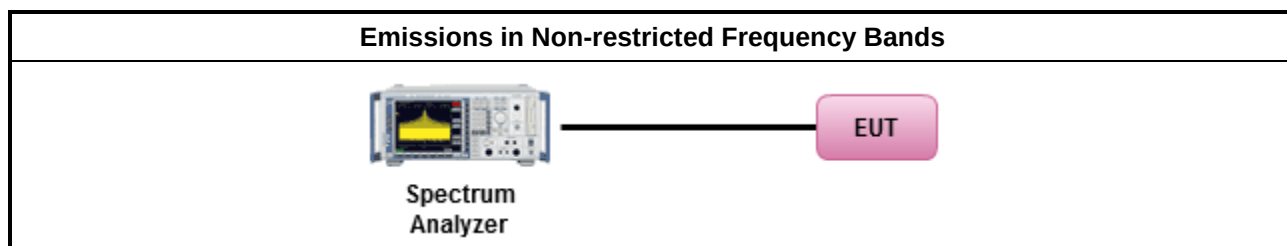
2.13.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

2.13.3 Test Procedures

Test Method
Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.

2.13.4 Test Setup



2.13.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F

2.14 Emissions in Restricted Frequency Bands

2.14.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

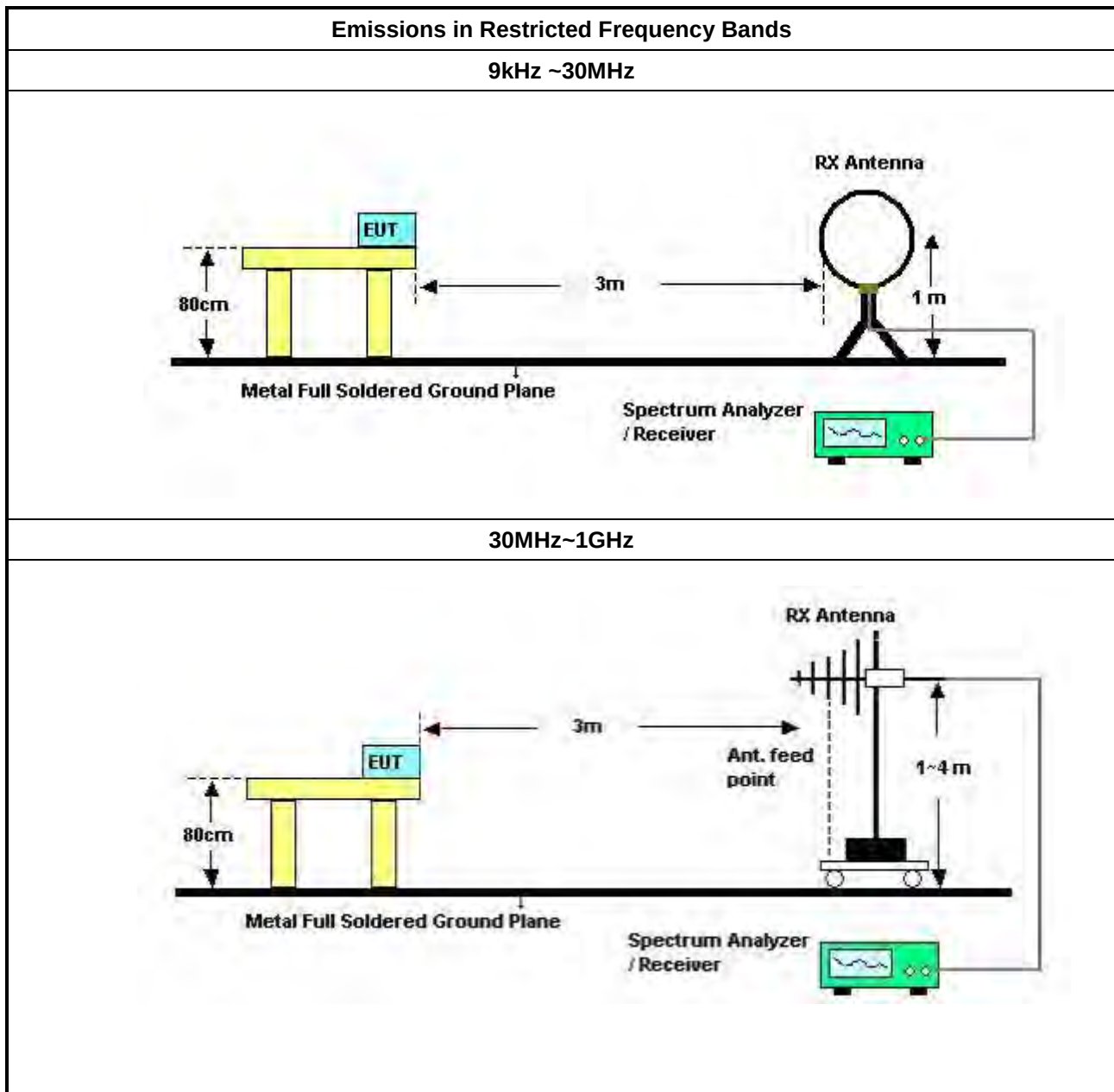
2.14.2 Measuring Instruments

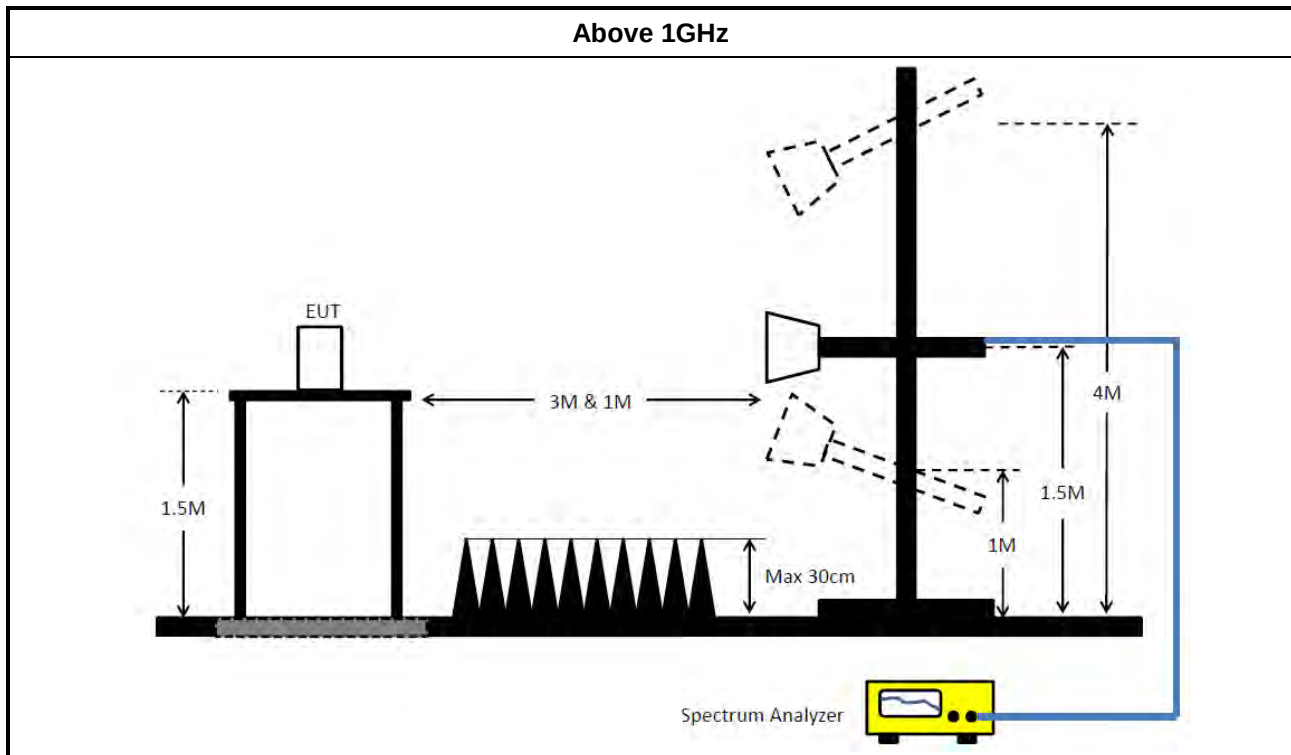
Refer a test equipment and calibration data table in this test report.

2.14.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [hopping duty factor].	
▪ Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
	▪ Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.

2.14.4 Test Setup





2.14.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

2.14.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

2.14.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G



3 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 18, 2022	Mar. 17, 2023	Radiation (10CH01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 27, 2022	Jan. 26, 2023	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 11, 2022	Mar. 10, 2023	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2022	Mar. 10, 2023	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 19, 2021	Oct. 18, 2022	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 19, 2021	Oct. 18, 2022	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jul. 01, 2021	Jun. 30, 2022	Radiation (10CH01-CB)
EMI Test Receiver	Rohde&Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde&Schwarz	FSV30	101026	9kHz ~ 30GHz	Apr. 22, 2022	Apr. 21, 2023	Radiation (10CH01-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (10CH01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 06, 2021	May 05, 2022	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 26, 2021	Jan. 25, 2022	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 04, 2021	Jun. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH03-CB)
Test Software	Audix	E3	6.2009-10-8b	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Aug. 08, 2021	Aug. 07, 2022	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS • Lindgren	3115	00143147	750MHz~18GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
High Cable	Woken	RG402	40G#4	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Oct. 14, 2021	Oct. 13, 2022	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 02, 2021	Jul. 01, 2022	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2022	Apr. 25, 2023	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2022	May 26, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Switch	SPTCB	SP-SWI	SWI-01	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 21, 2022	Feb. 20, 2023	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 21, 2022	Feb. 20, 2023	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.



Conducted Emissions at Powerline

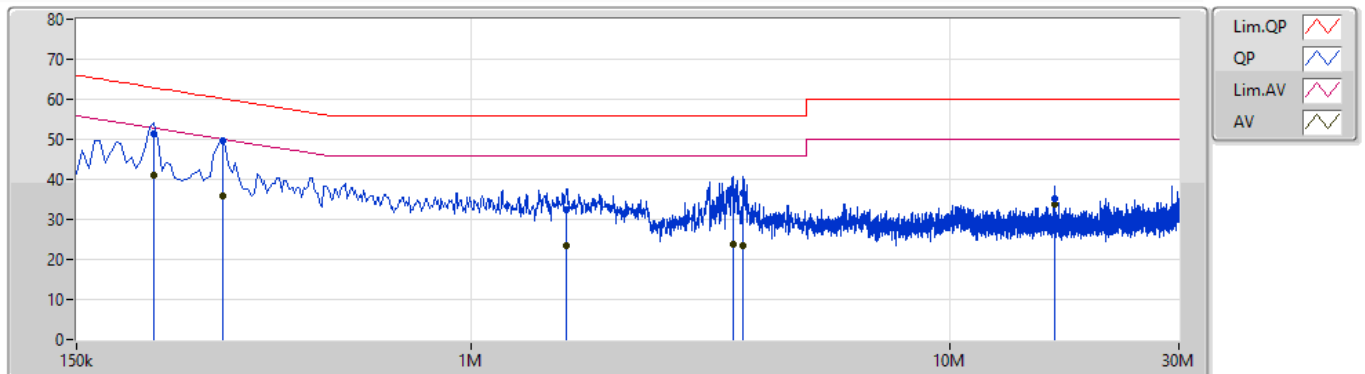
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	303k	49.73	60.17	-10.44	Line

Mode 2

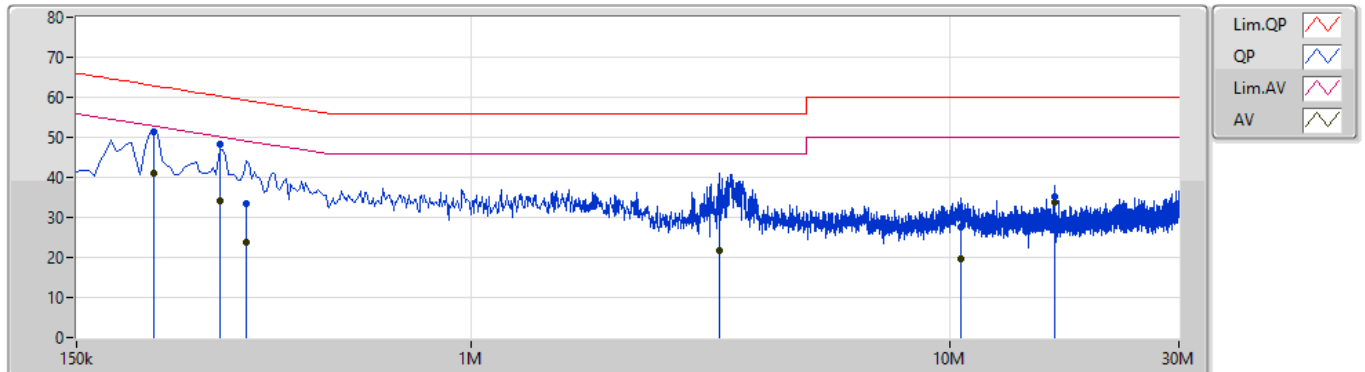
13/05/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	217.5k	51.25	62.92	-11.67	9.97	Line	-	41.28	0.06	0.02	9.89			
AV	217.5k	41.20	52.92	-11.72	9.97	Line	-	31.23	0.06	0.02	9.89			
QP	303k	49.73	60.17	-10.44	9.97	Line	"Worst"	39.76	0.06	0.02	9.89			
AV	303k	35.87	50.17	-14.30	9.97	Line	-	25.90	0.06	0.02	9.89			
QP	1.581M	32.27	56.00	-23.73	10.01	Line	-	22.26	0.08	0.04	9.89			
AV	1.581M	23.37	46.00	-22.63	10.01	Line	-	13.36	0.08	0.04	9.89			
QP	3.512M	36.85	56.00	-19.15	10.07	Line	-	26.78	0.11	0.07	9.89			
AV	3.512M	23.68	46.00	-22.32	10.07	Line	-	13.61	0.11	0.07	9.89			
QP	3.701M	36.56	56.00	-19.44	10.08	Line	-	26.48	0.12	0.07	9.89			
AV	3.701M	23.28	46.00	-22.72	10.08	Line	-	13.20	0.12	0.07	9.89			
QP	16.467M	35.01	60.00	-24.99	10.34	Line	-	24.67	0.28	0.11	9.95			
AV	16.467M	33.72	50.00	-16.28	10.34	Line	-	23.38	0.28	0.11	9.95			

Mode 2

13/05/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	217.5k	51.31	62.92	-11.61	9.98	Neutral	"Worst"	41.33	0.07	0.02	9.89			
AV	217.5k	40.99	52.92	-11.93	9.98	Neutral	-	31.01	0.07	0.02	9.89			
QP	298.5k	48.18	60.28	-12.10	9.98	Neutral	-	38.20	0.07	0.02	9.89			
AV	298.5k	34.28	50.28	-16.00	9.98	Neutral	-	24.30	0.07	0.02	9.89			
QP	339k	33.53	59.23	-25.70	9.98	Neutral	-	23.55	0.07	0.02	9.89			
AV	339k	23.75	49.23	-25.48	9.98	Neutral	-	13.77	0.07	0.02	9.89			
QP	3.291M	34.54	56.00	-21.46	10.07	Neutral	-	24.47	0.12	0.06	9.89			
AV	3.291M	21.71	46.00	-24.29	10.07	Neutral	-	11.64	0.12	0.06	9.89			
QP	10.518M	27.42	60.00	-32.58	10.22	Neutral	-	17.20	0.24	0.07	9.91			
AV	10.518M	19.73	50.00	-30.27	10.22	Neutral	-	9.51	0.24	0.07	9.91			
QP	16.467M	35.03	60.00	-24.97	10.34	Neutral	-	24.69	0.28	0.11	9.95			
AV	16.467M	33.76	50.00	-16.24	10.34	Neutral	-	23.42	0.28	0.11	9.95			



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	940k	889.555k	890KF1D	937.5k	877.061k
BT-EDR(2Mbps)	1.31M	1.219M	1M22G1D	1.299M	1.187M
BT-EDR(3Mbps)	1.258M	1.197M	1M20G1D	1.25M	1.194M

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

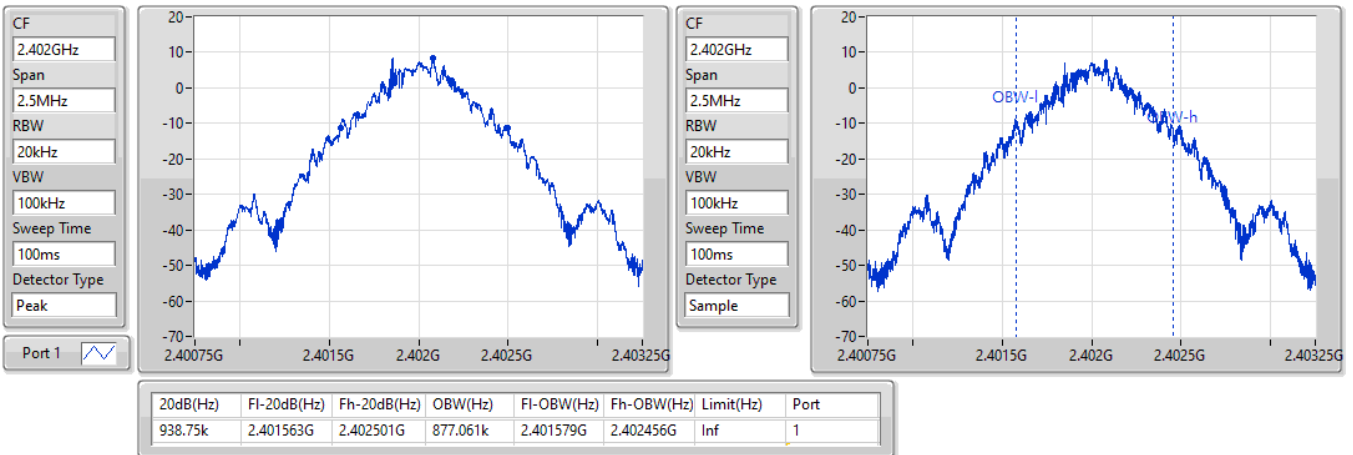
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	938.75k	877.061k
2440MHz	Pass	Inf	940k	889.555k
2480MHz	Pass	Inf	937.5k	878.311k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.308M	1.208M
2440MHz	Pass	Inf	1.31M	1.219M
2480MHz	Pass	Inf	1.299M	1.187M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.258M	1.197M
2440MHz	Pass	Inf	1.255M	1.196M
2480MHz	Pass	Inf	1.25M	1.194M

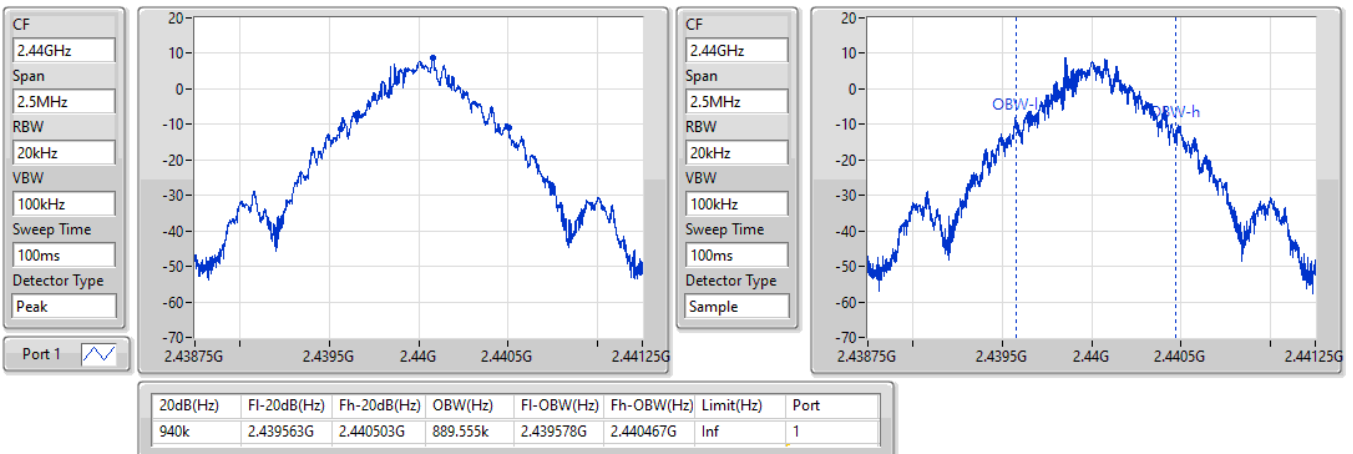
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

BT-BR(1Mbps)
2402MHz
EBW-FS

01/12/2021

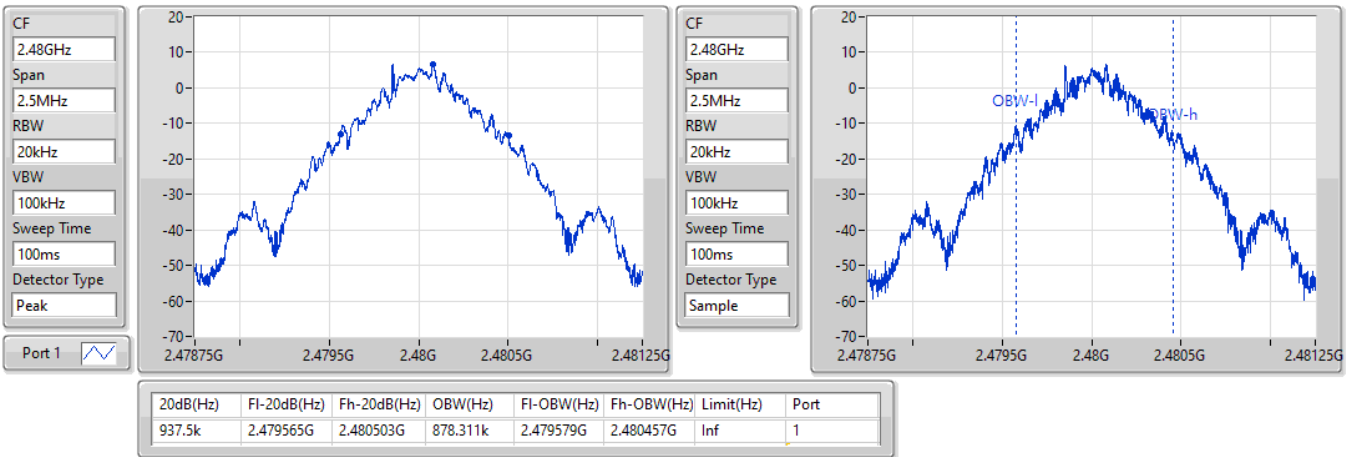

BT-BR(1Mbps)
2440MHz
EBW-FS

01/12/2021

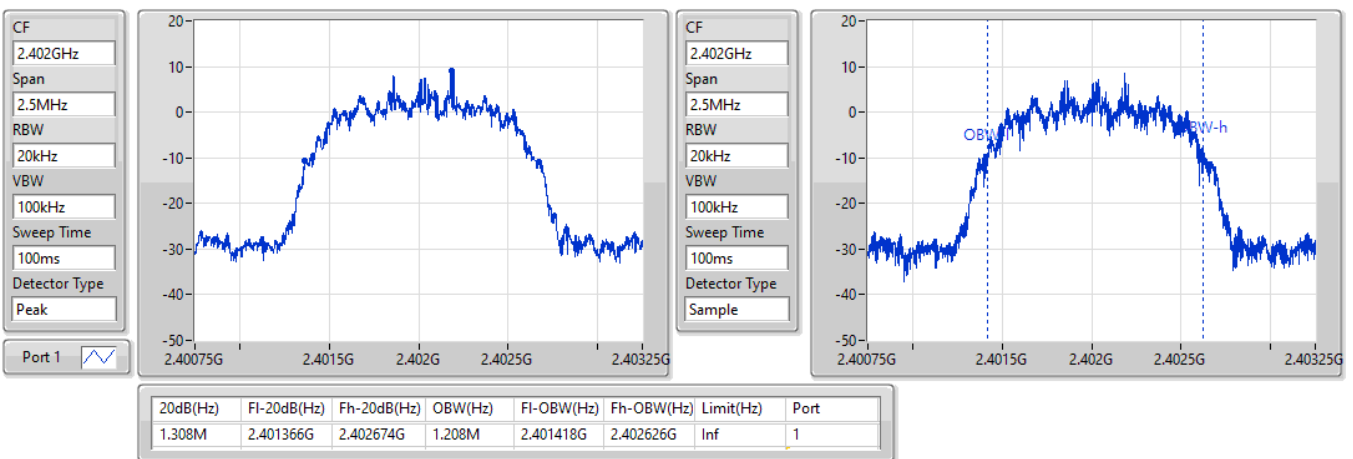


BT-BR(1Mbps)
EBW-FS
2480MHz

01/12/2021

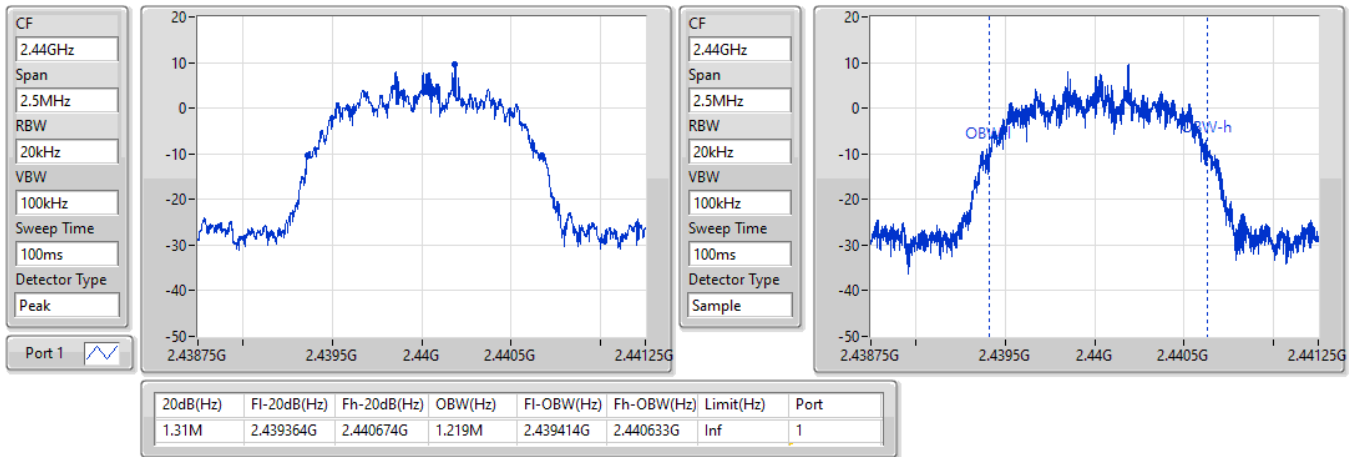

BT-EDR(2Mbps)
EBW-FS
2402MHz

01/12/2021

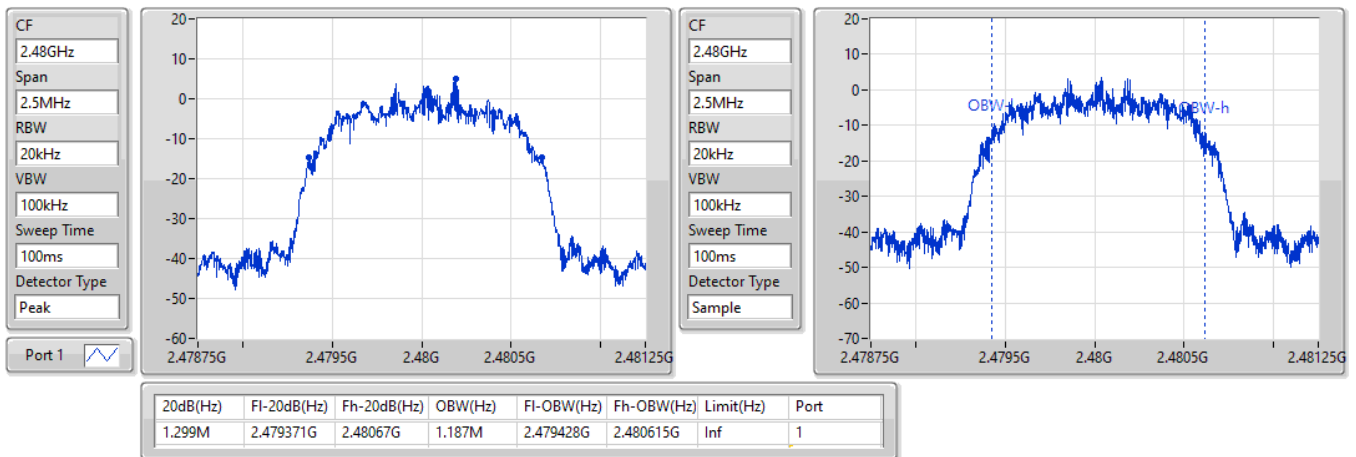


BT-EDR(2Mbps)
EBW-FS
2440MHz

01/12/2021

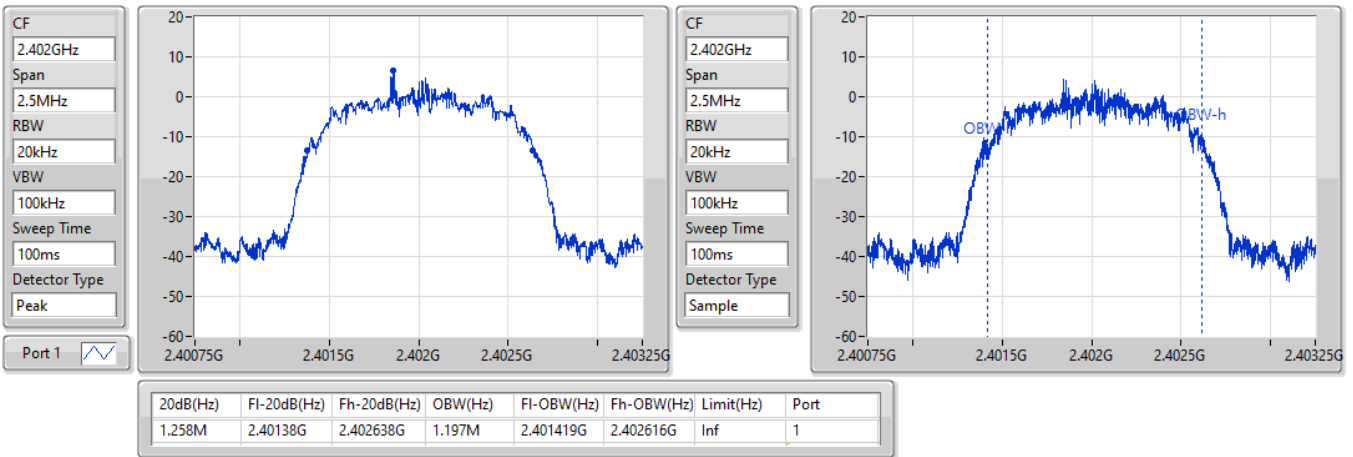

BT-EDR(2Mbps)
EBW-FS
2480MHz

01/12/2021

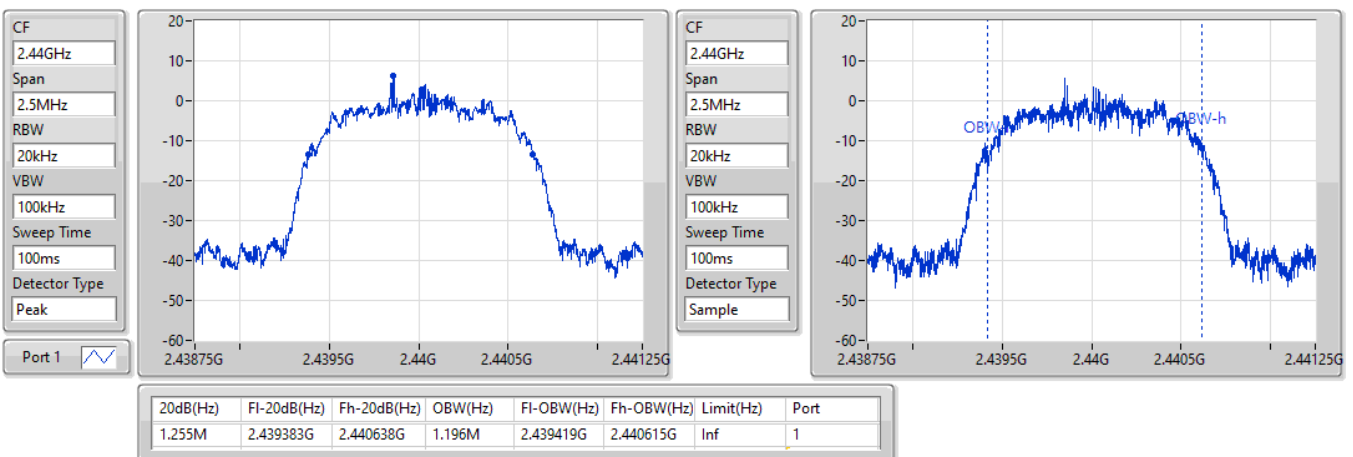


BT-EDR(3Mbps)
EBW-FS
2402MHz

01/12/2021

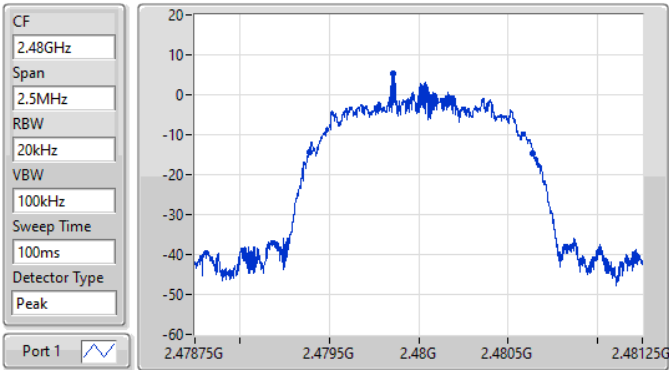

BT-EDR(3Mbps)
EBW-FS
2440MHz

01/12/2021



BT-EDR(3Mbps)

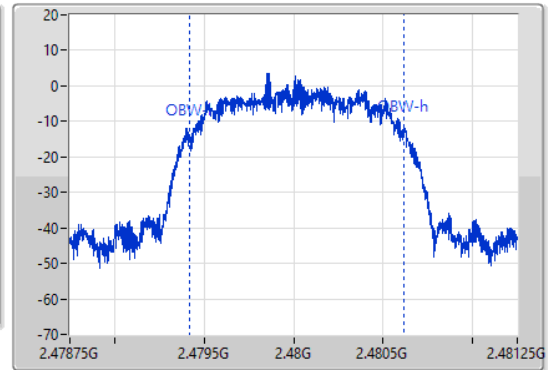
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.25M	2.479388G	2.480638G	1.194M	2.479422G	2.480616G	Inf	1

EBW-FS

01/12/2021





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	1.002M
BT-EDR(2Mbps)	1.0005M	999k
BT-EDR(3Mbps)	1.002M	1.0005M

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.401855G	2.402857G	1.002M	625.2075k
2440MHz	Pass	2.439855G	2.440857G	1.002M	626.04k
2480MHz	Pass	2.478858G	2.47986G	1.002M	624.375k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402185G	2.403186G	1.0005M	871.794k
2440MHz	Pass	2.440188G	2.441187G	999k	872.46k
2480MHz	Pass	2.479187G	2.480187G	1.0005M	869.13k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.401855G	2.402857G	1.002M	841.158k
2440MHz	Pass	2.439857G	2.440859G	1.002M	844.488k
2480MHz	Pass	2.478857G	2.479857G	1.0005M	832.5k

BT-BR(1Mbps)

2.402G/2.403GHz

Channel Separation-FS

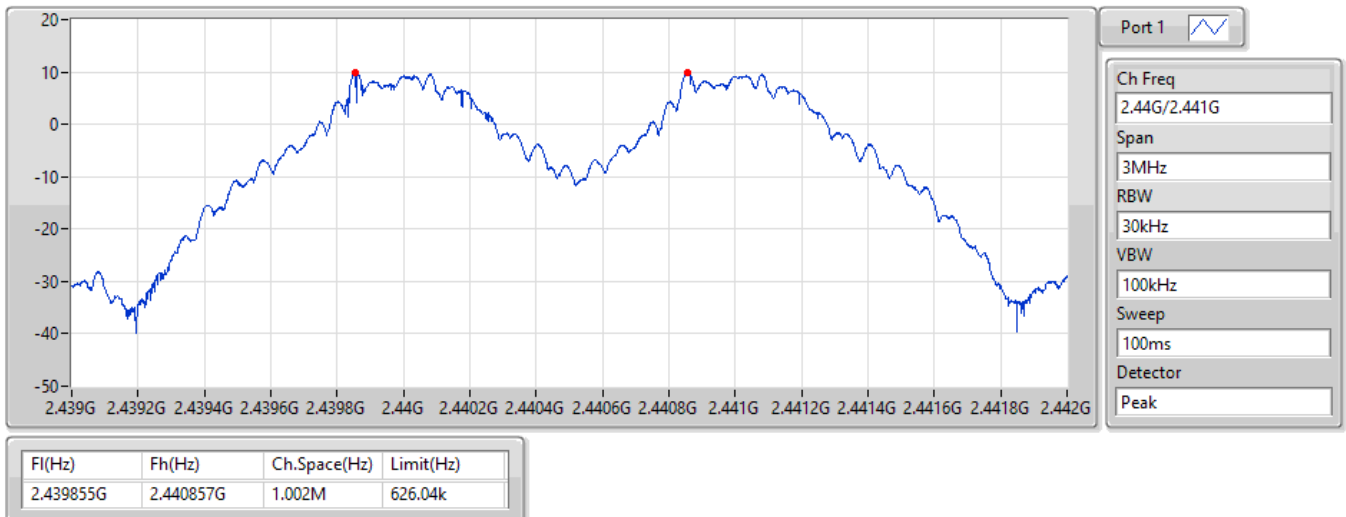
01/12/2021



BT-BR(1Mbps)

2.44G/2.441GHz

Channel Separation-FS

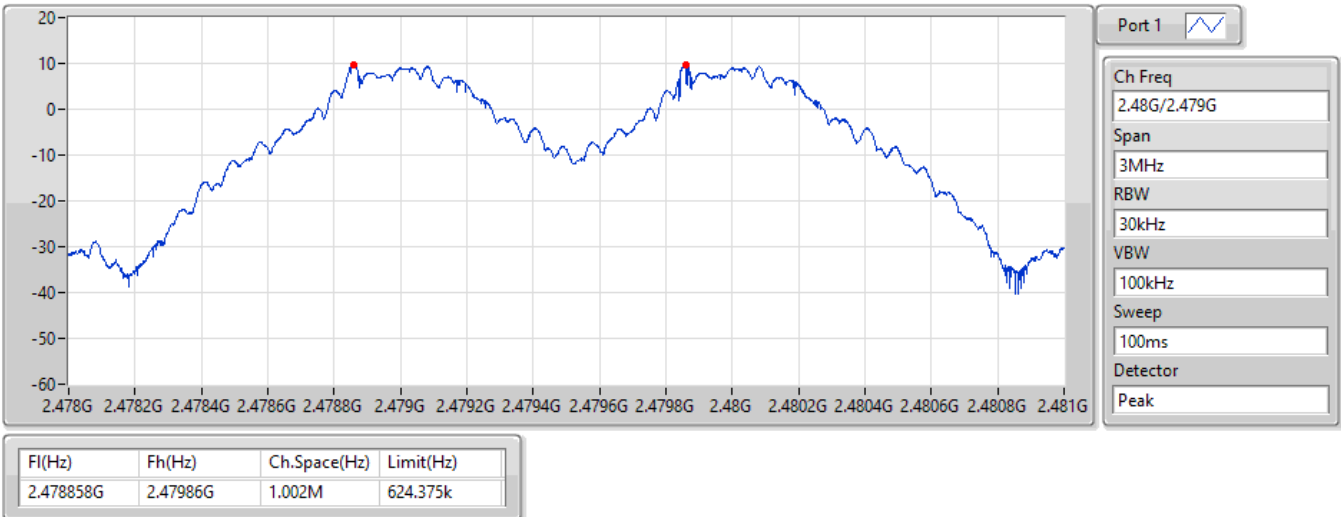


BT-BR(1Mbps)

2.48G/2.479GHz

Channel Separation-FS

01/12/2021

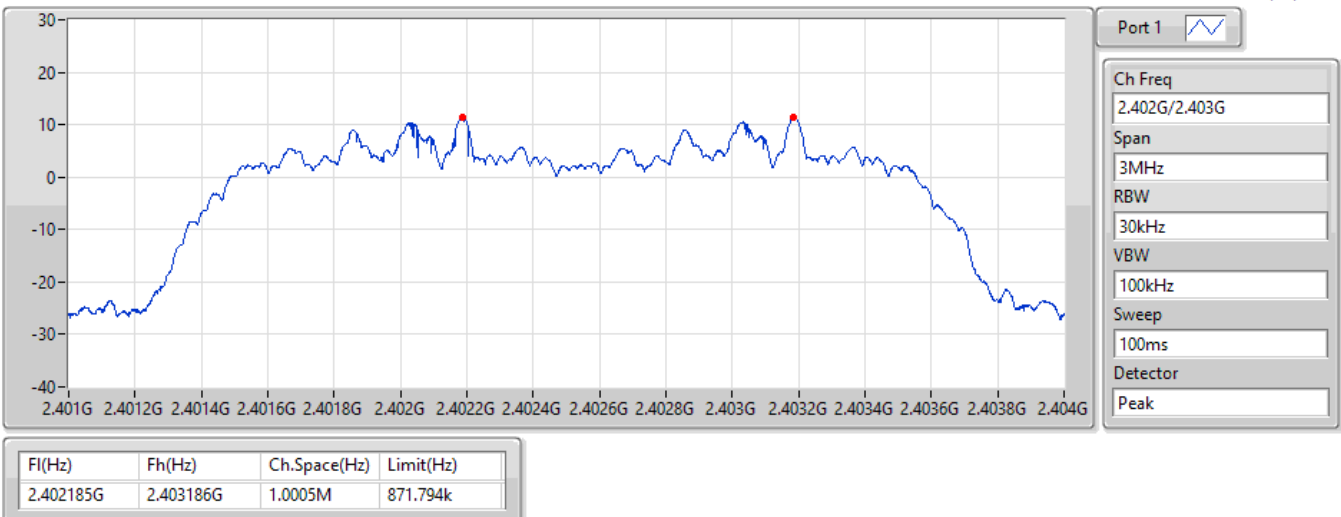


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation-FS

01/12/2021

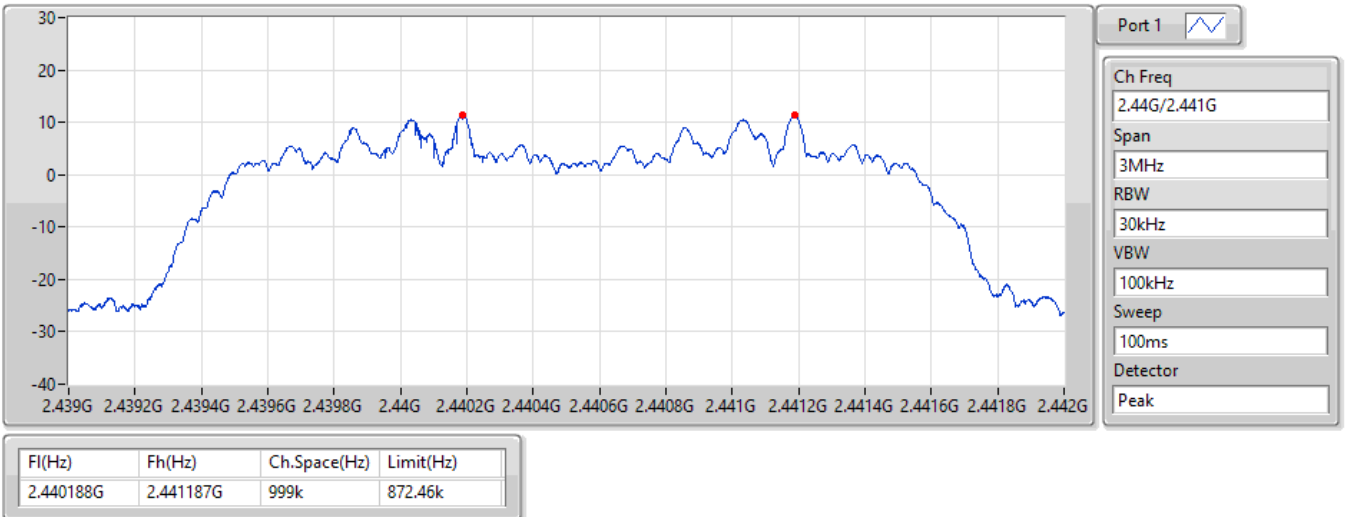


BT-EDR(2Mbps)

2.44G/2.441GHz

Channel Separation-FS

01/12/2021

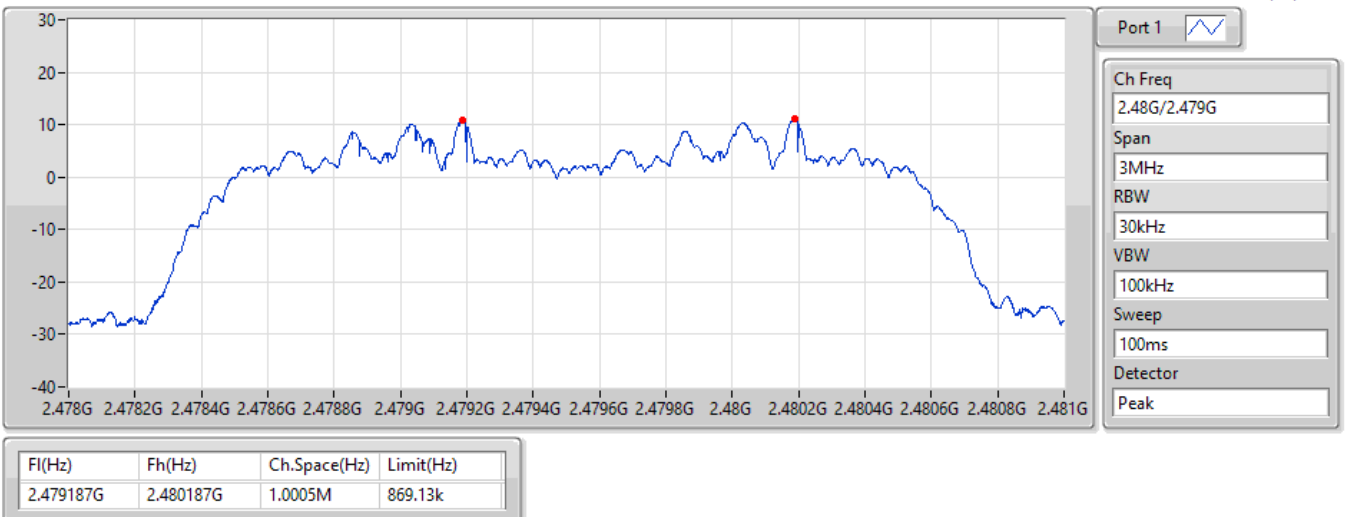


BT-EDR(2Mbps)

2.48G/2.479GHz

Channel Separation-FS

01/12/2021



BT-EDR(3Mbps)

2.402G/2.403GHz

Channel Separation-FS

01/12/2021



BT-EDR(3Mbps)

2.44G/2.441GHz

Channel Separation-FS

01/12/2021



BT-EDR(3Mbps)

2.48G/2.479GHz

Channel Separation-FS

01/12/2021





Summary

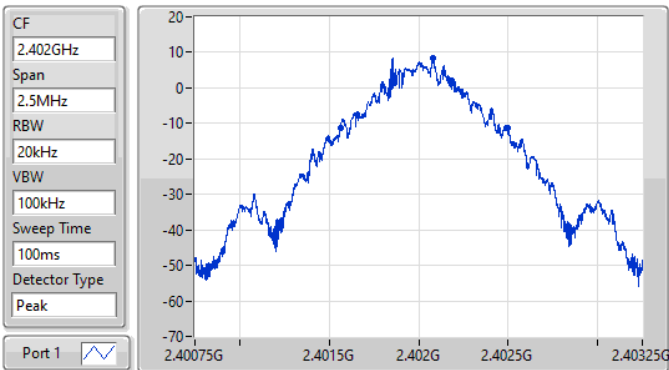
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	940k	889.555k	890KF1D	937.5k	877.061k
BT-EDR(2Mbps)	1.31M	1.219M	1M22G1D	1.299M	1.187M
BT-EDR(3Mbps)	1.258M	1.197M	1M20G1D	1.25M	1.194M

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	938.75k	877.061k
2440MHz	Pass	Inf	940k	889.555k
2480MHz	Pass	Inf	937.5k	878.311k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.308M	1.208M
2440MHz	Pass	Inf	1.31M	1.219M
2480MHz	Pass	Inf	1.299M	1.187M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.258M	1.197M
2440MHz	Pass	Inf	1.255M	1.196M
2480MHz	Pass	Inf	1.25M	1.194M

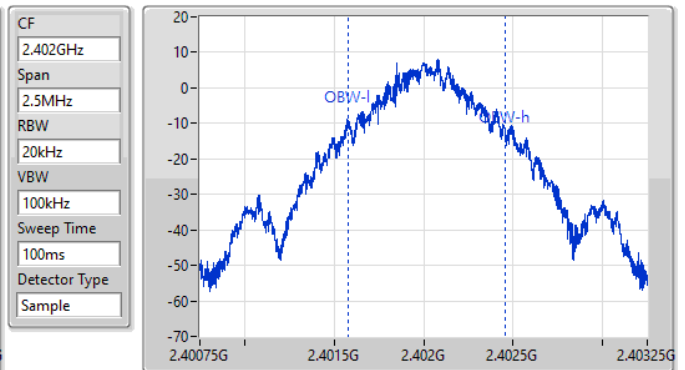
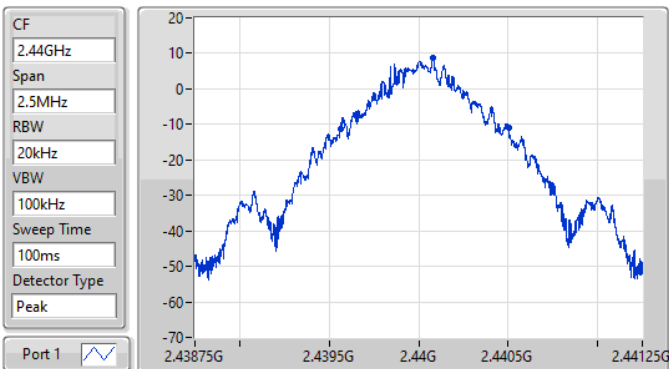
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

BT-BR(1Mbps)
2402MHz


20dB(Hz)	FI-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
938.75k	2.401563G	2.402501G	877.061k	2.401579G	2.402456G	Inf	1

EBW-FS

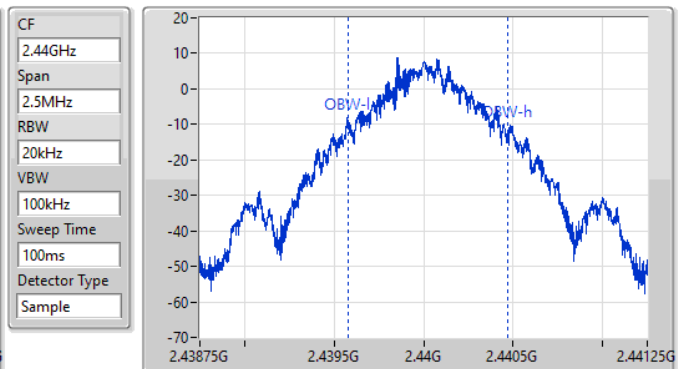
01/12/2021


BT-BR(1Mbps)
2440MHz


20dB(Hz)	FI-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
940k	2.439563G	2.440503G	889.555k	2.439578G	2.440467G	Inf	1

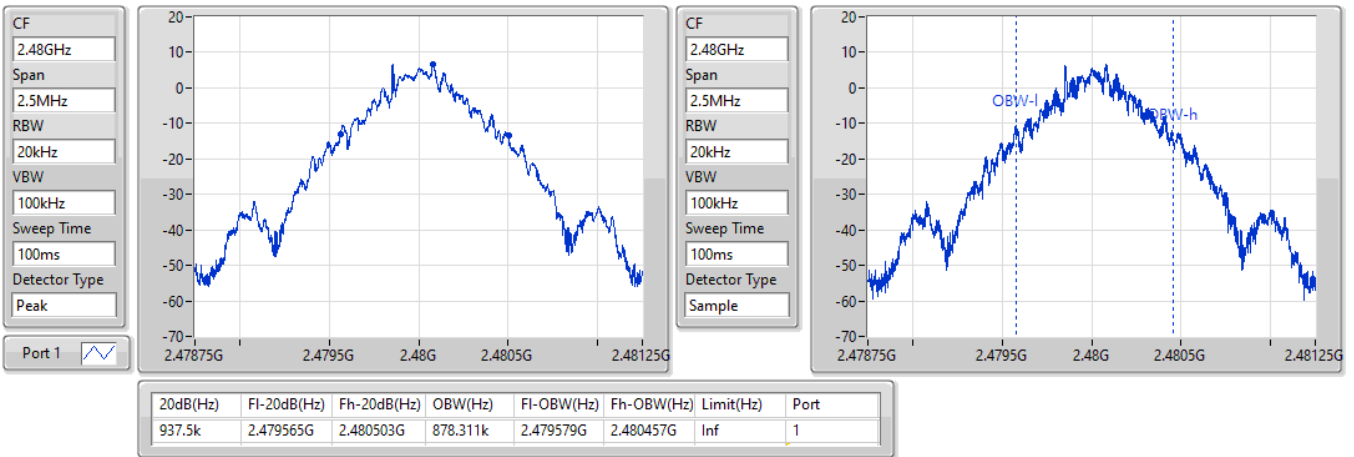
EBW-FS

01/12/2021

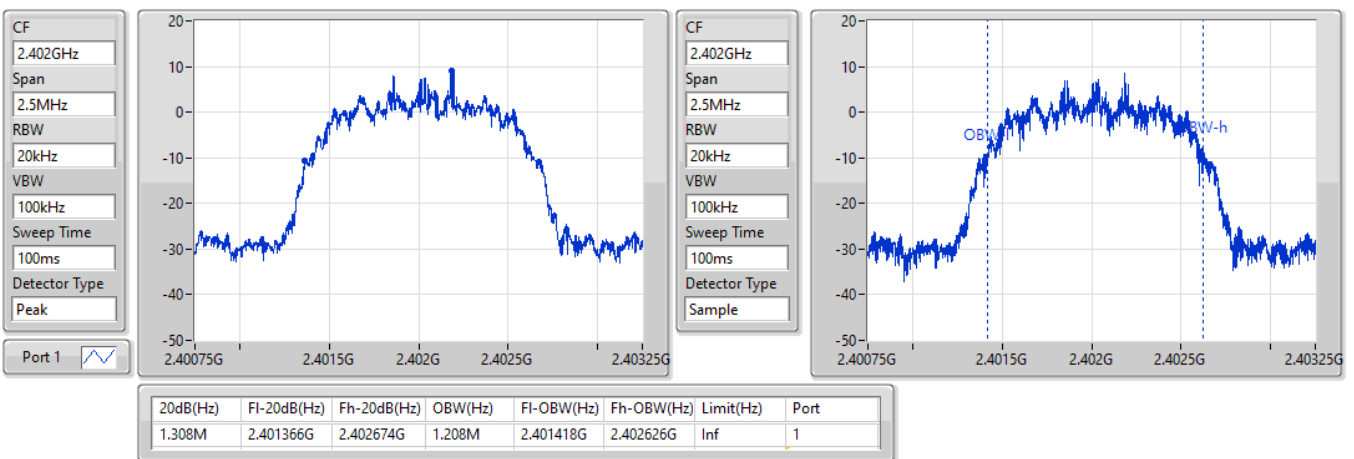


BT-BR(1Mbps)
EBW-FS
2480MHz

01/12/2021

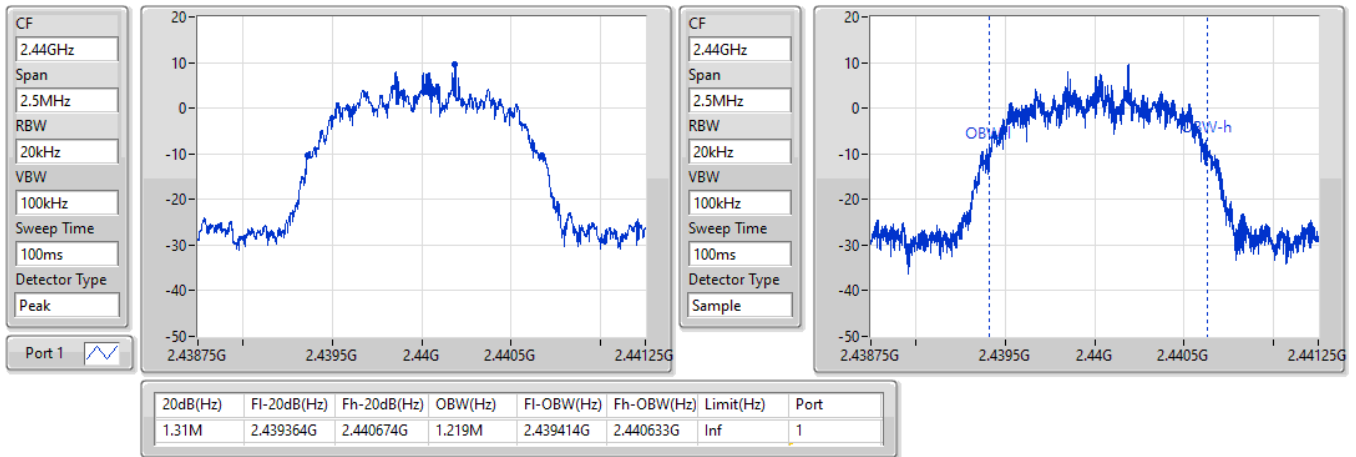

BT-EDR(2Mbps)
EBW-FS
2402MHz

01/12/2021

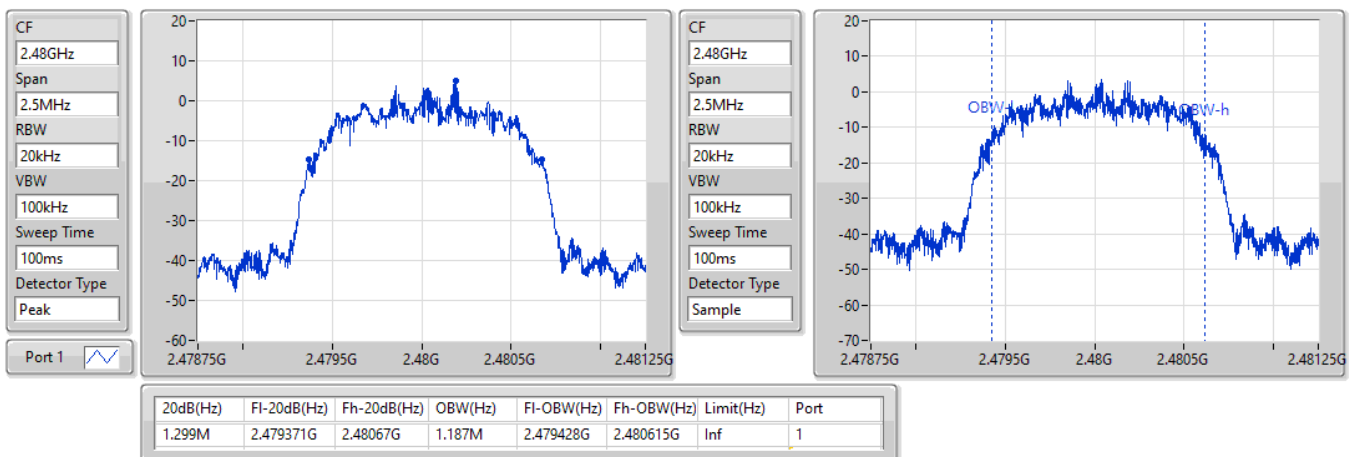


BT-EDR(2Mbps)
EBW-FS
2440MHz

01/12/2021

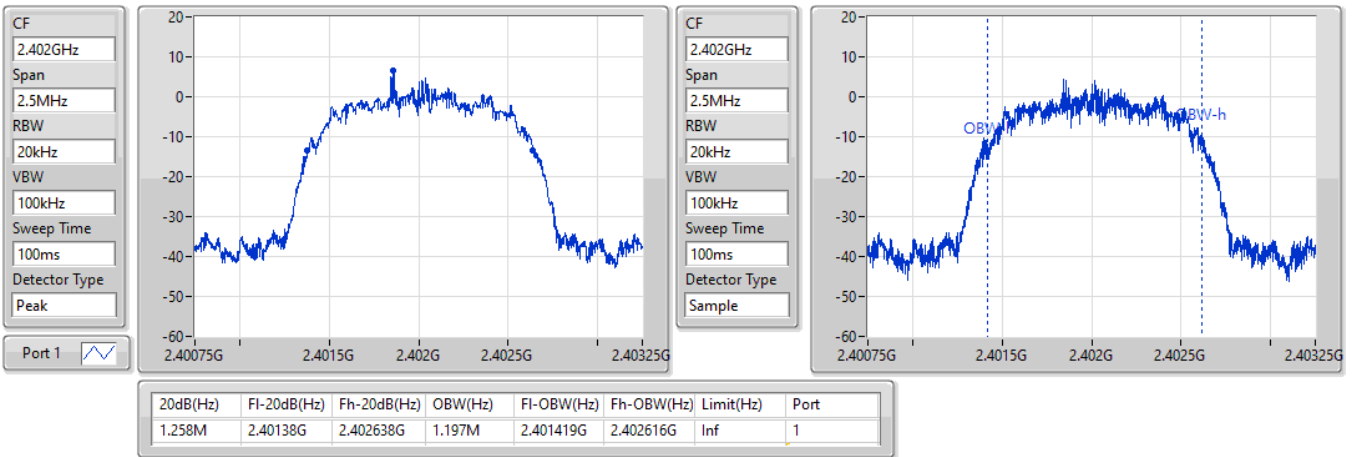

BT-EDR(2Mbps)
EBW-FS
2480MHz

01/12/2021

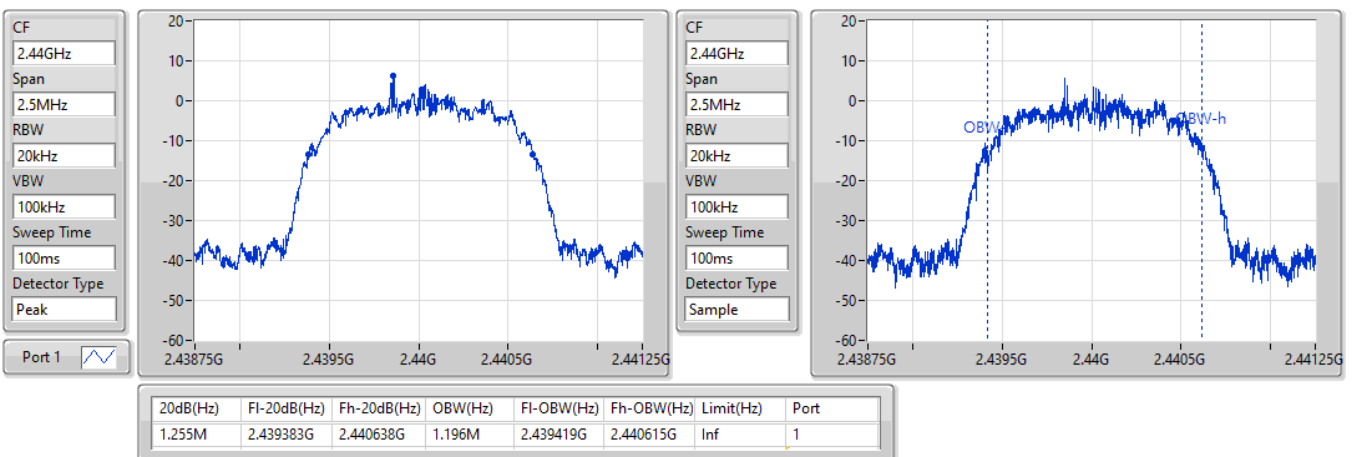


BT-EDR(3Mbps)
EBW-FS
2402MHz

01/12/2021

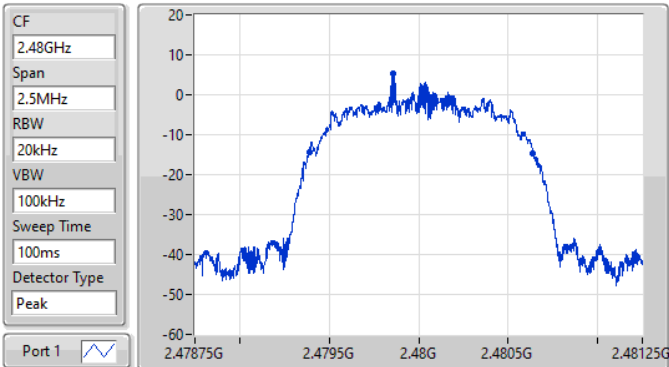

BT-EDR(3Mbps)
EBW-FS
2440MHz

01/12/2021



BT-EDR(3Mbps)

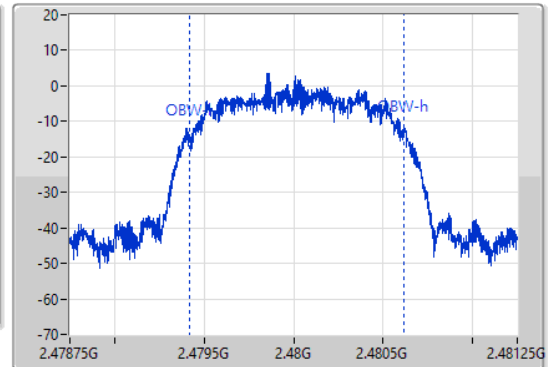
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.25M	2.479388G	2.480638G	1.194M	2.479422G	2.480616G	Inf	1

EBW-FS

01/12/2021





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	1.002M
BT-EDR(2Mbps)	1.0005M	999k
BT-EDR(3Mbps)	1.002M	1.0005M

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.401855G	2.402857G	1.002M	625.2075k
2440MHz	Pass	2.439855G	2.440857G	1.002M	626.04k
2480MHz	Pass	2.478858G	2.47986G	1.002M	624.375k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402185G	2.403186G	1.0005M	871.794k
2440MHz	Pass	2.440188G	2.441187G	999k	872.46k
2480MHz	Pass	2.479187G	2.480187G	1.0005M	869.13k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.401855G	2.402857G	1.002M	841.158k
2440MHz	Pass	2.439857G	2.440859G	1.002M	844.488k
2480MHz	Pass	2.478857G	2.479857G	1.0005M	832.5k

BT-BR(1Mbps)

2.402G/2.403GHz

Channel Separation-FS

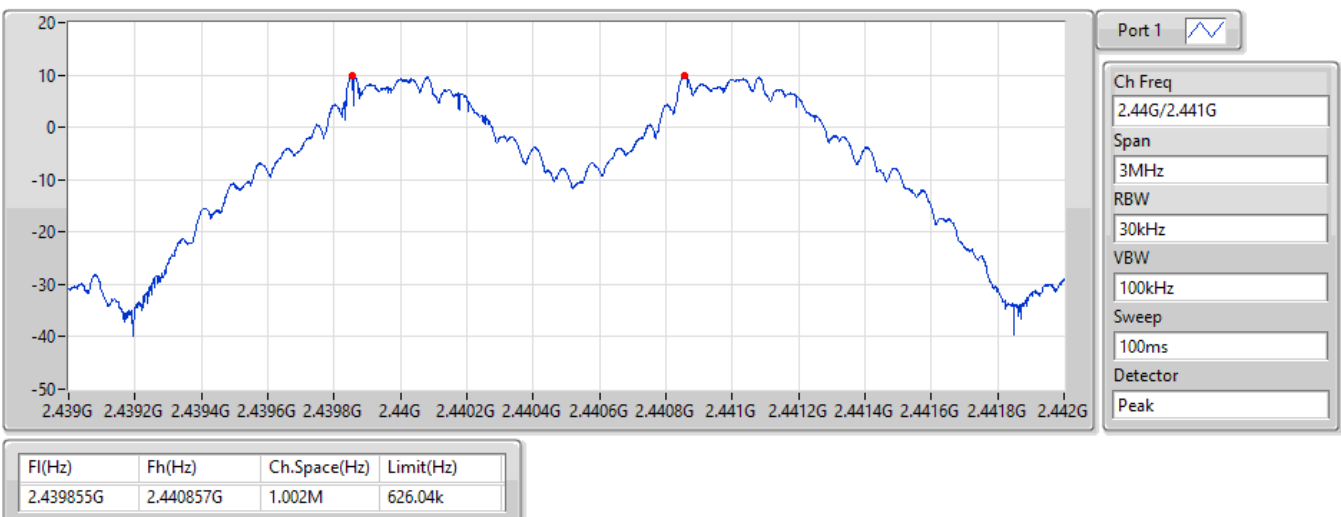
01/12/2021



BT-BR(1Mbps)

2.44G/2.441GHz

Channel Separation-FS

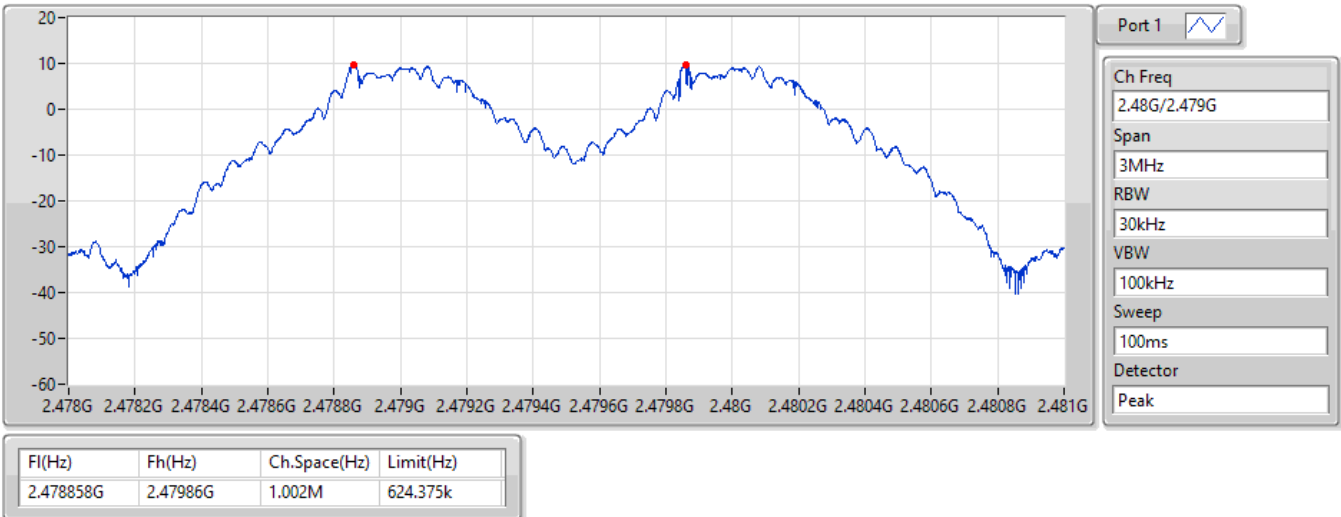


BT-BR(1Mbps)

2.48G/2.479GHz

Channel Separation-FS

01/12/2021

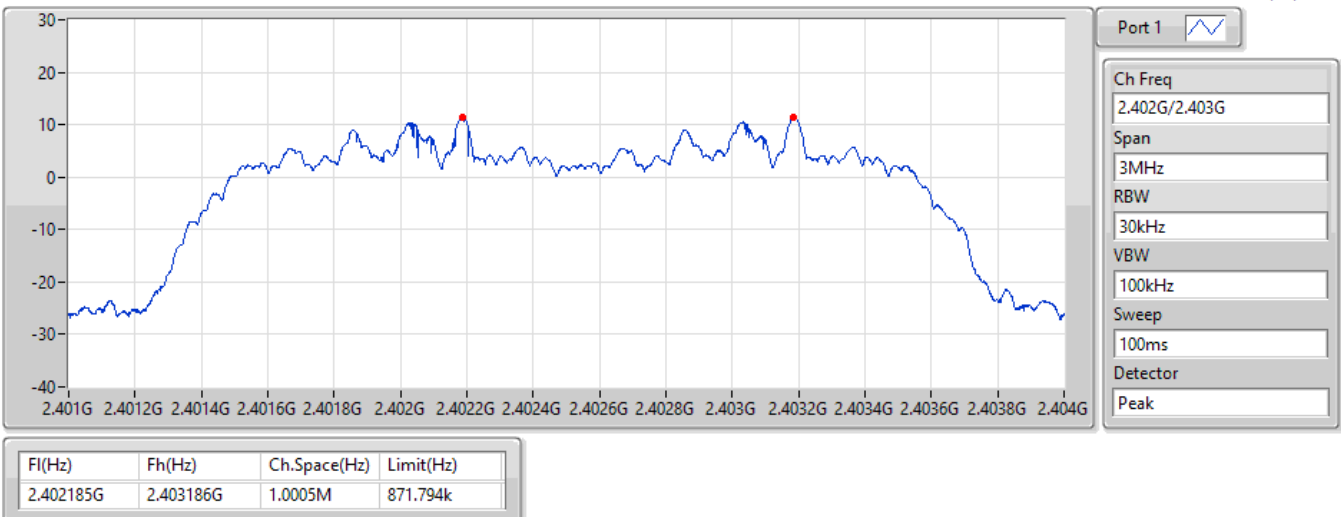


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation-FS

01/12/2021

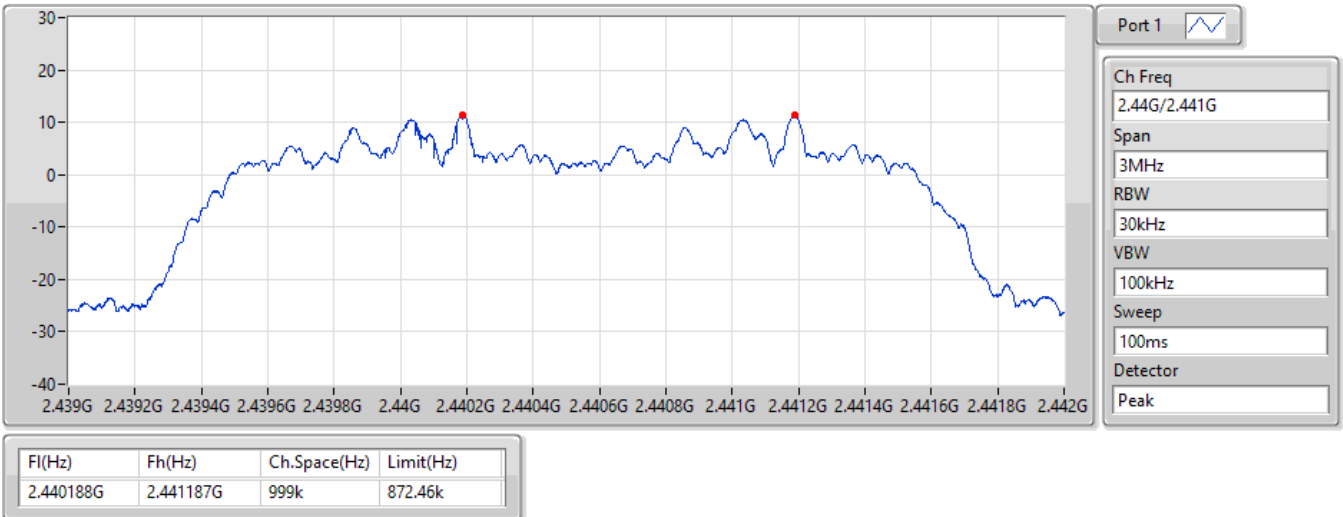


BT-EDR(2Mbps)

2.44G/2.441GHz

Channel Separation-FS

01/12/2021

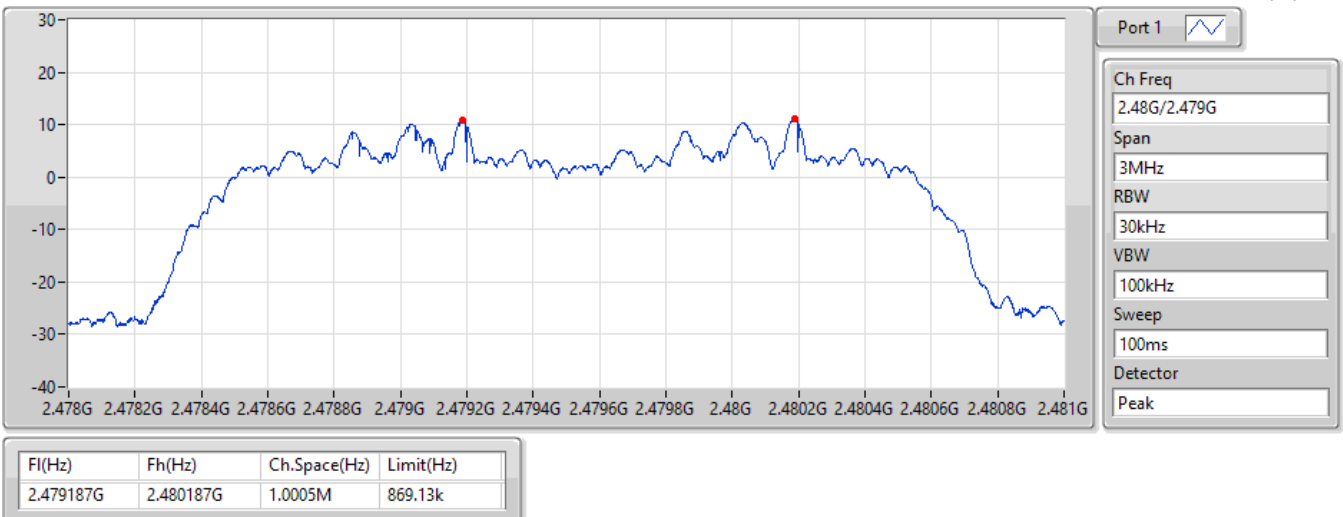


BT-EDR(2Mbps)

2.48G/2.479GHz

Channel Separation-FS

01/12/2021



BT-EDR(3Mbps)

2.402G/2.403GHz

Channel Separation-FS

01/12/2021



BT-EDR(3Mbps)

2.44G/2.441GHz

Channel Separation-FS

01/12/2021



BT-EDR(3Mbps)

2.48G/2.479GHz

Channel Separation-FS

01/12/2021



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	940k	889.555k	890KF1D	937.5k	877.061k
BT-EDR(2Mbps)	1.31M	1.219M	1M22G1D	1.299M	1.187M
BT-EDR(3Mbps)	1.258M	1.197M	1M20G1D	1.25M	1.194M

Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

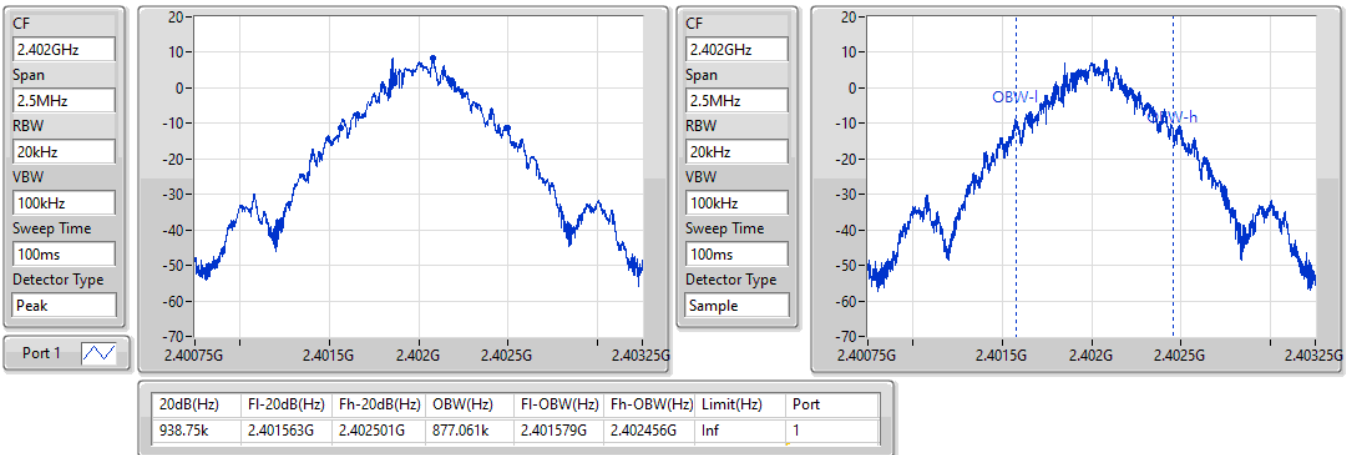
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	938.75k	877.061k
2440MHz	Pass	Inf	940k	889.555k
2480MHz	Pass	Inf	937.5k	878.311k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.308M	1.208M
2440MHz	Pass	Inf	1.31M	1.219M
2480MHz	Pass	Inf	1.299M	1.187M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.258M	1.197M
2440MHz	Pass	Inf	1.255M	1.196M
2480MHz	Pass	Inf	1.25M	1.194M

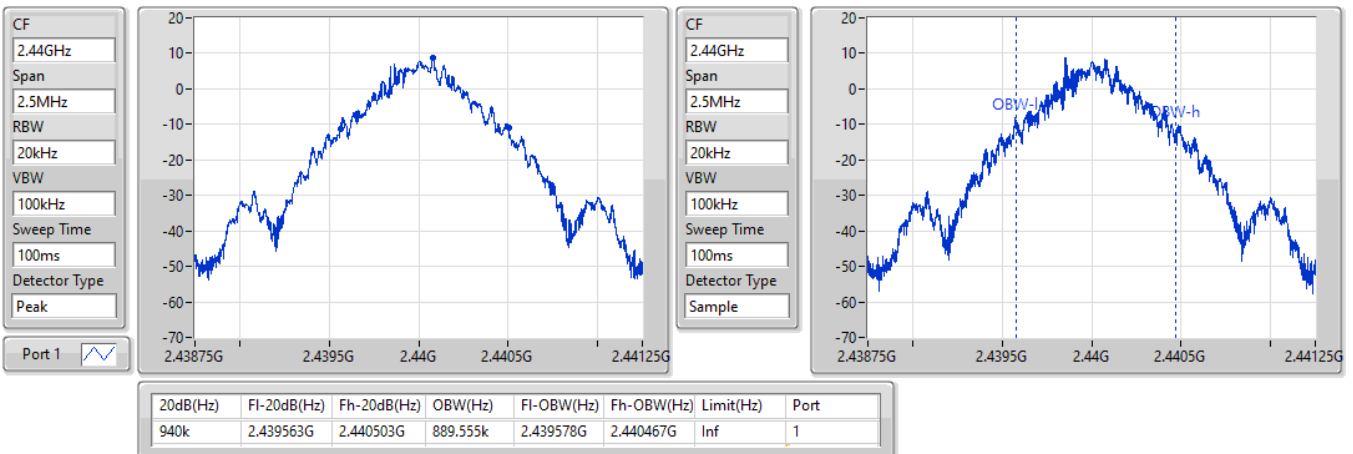
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

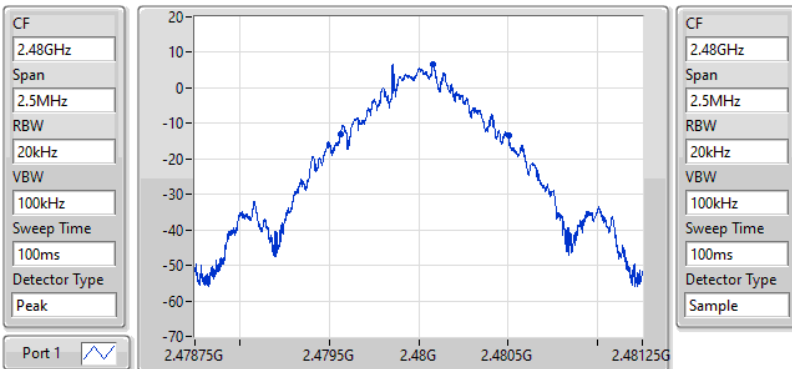
BT-BR(1Mbps)
2402MHz
EBW-FS

01/12/2021


BT-BR(1Mbps)
2440MHz
EBW-FS

01/12/2021

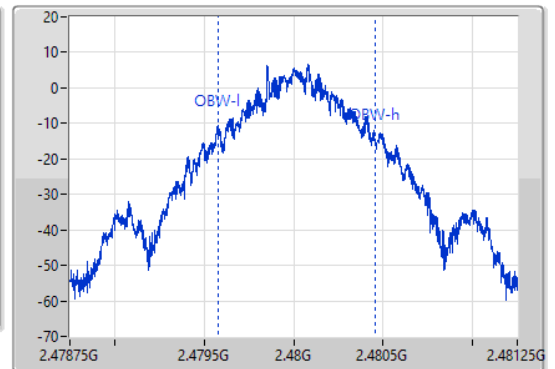
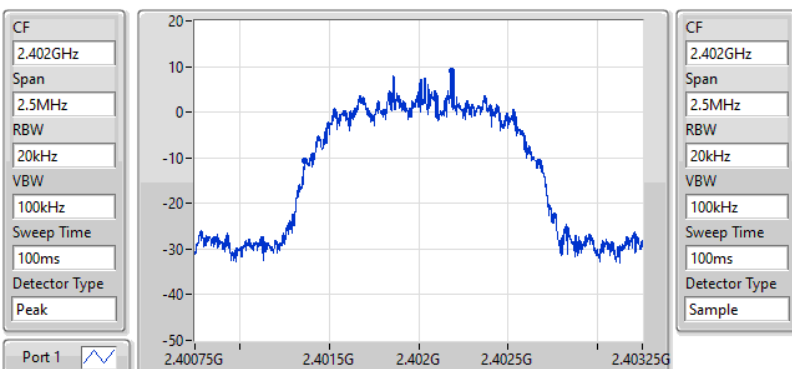


BT-BR(1Mbps)
2480MHz


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
937.5k	2.479565G	2.480503G	878.311k	2.479579G	2.480457G	Inf	1

EBW-FS

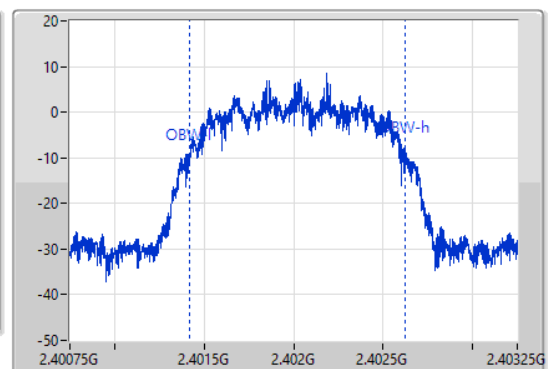
01/12/2021


BT-EDR(2Mbps)
2402MHz


20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.308M	2.401366G	2.402674G	1.208M	2.401418G	2.402626G	Inf	1

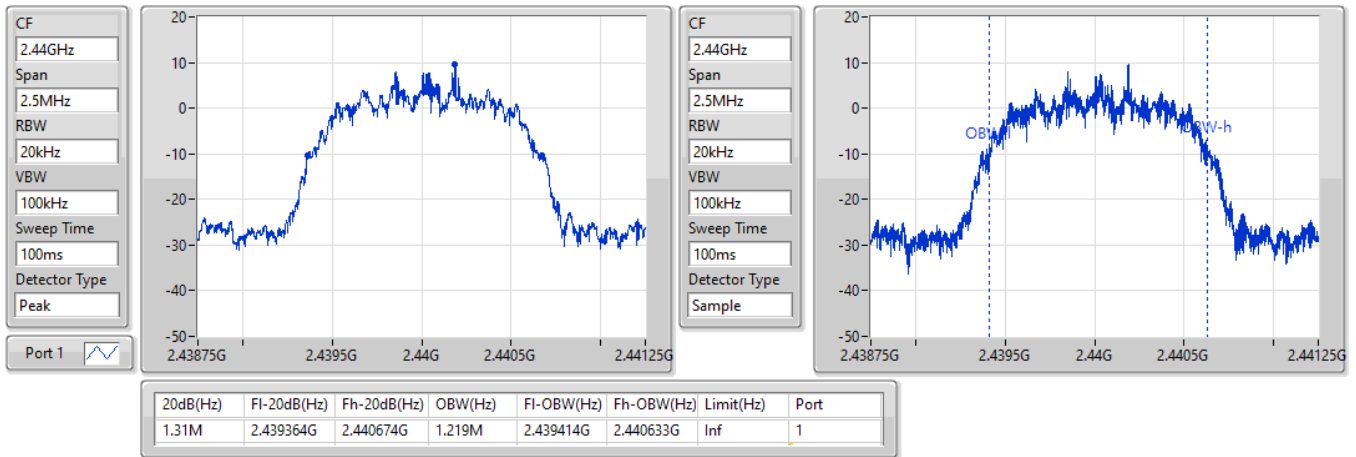
EBW-FS

01/12/2021

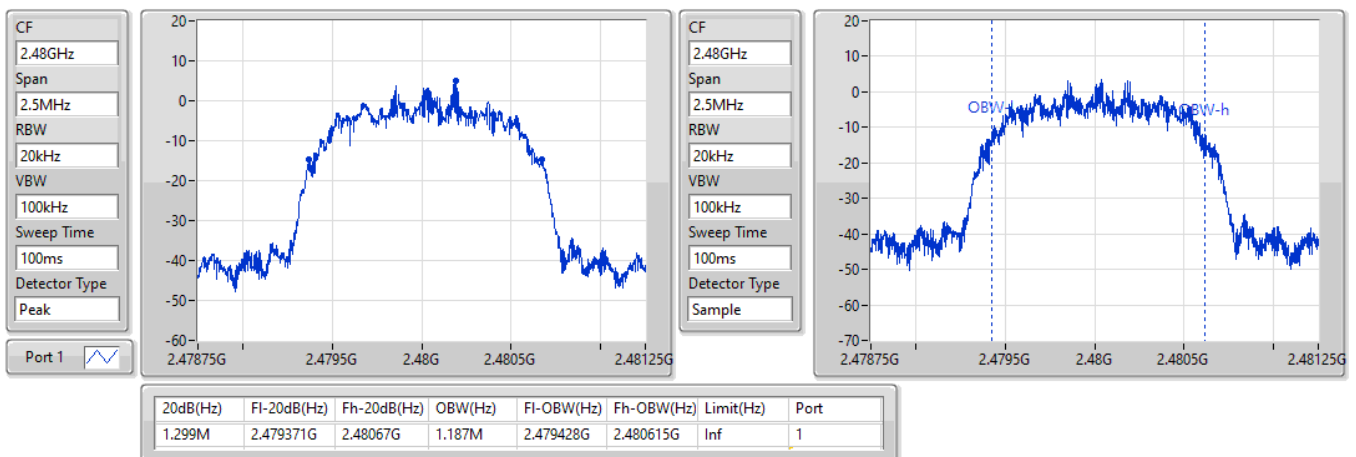


BT-EDR(2Mbps)
EBW-FS
2440MHz

01/12/2021

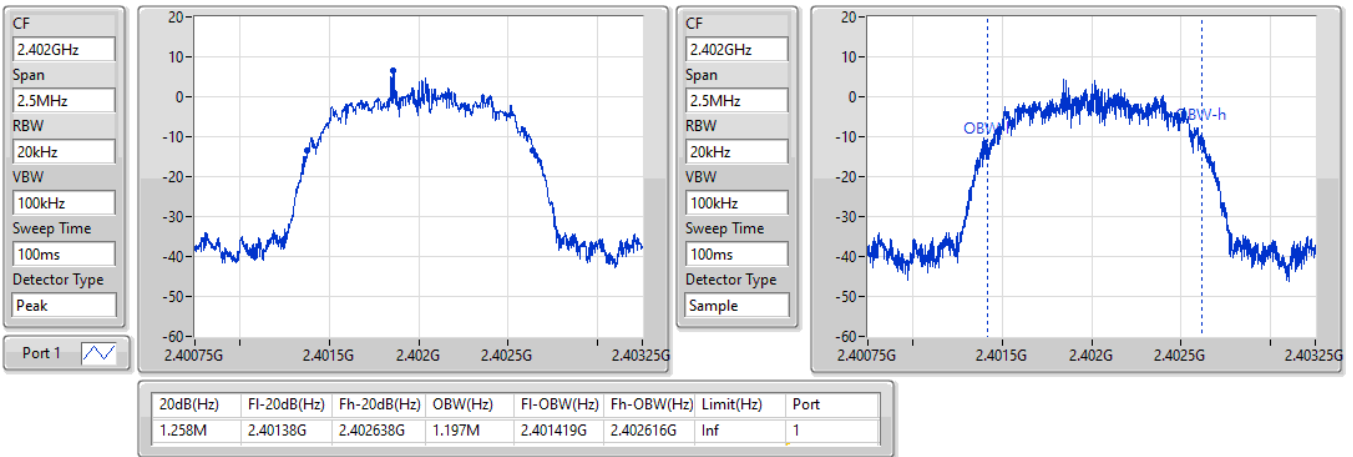

BT-EDR(2Mbps)
EBW-FS
2480MHz

01/12/2021

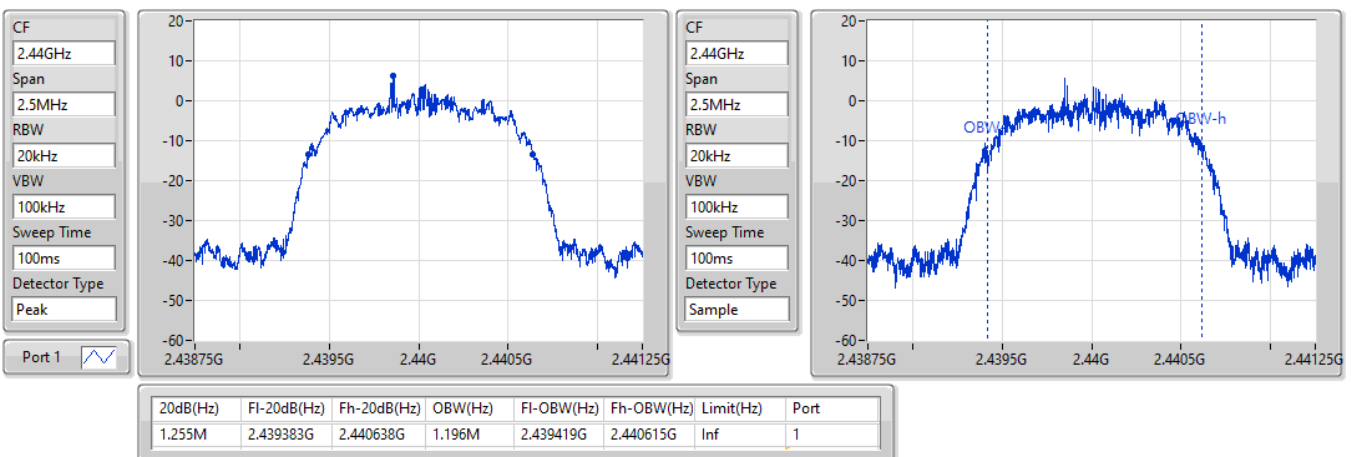


BT-EDR(3Mbps)
EBW-FS
2402MHz

01/12/2021

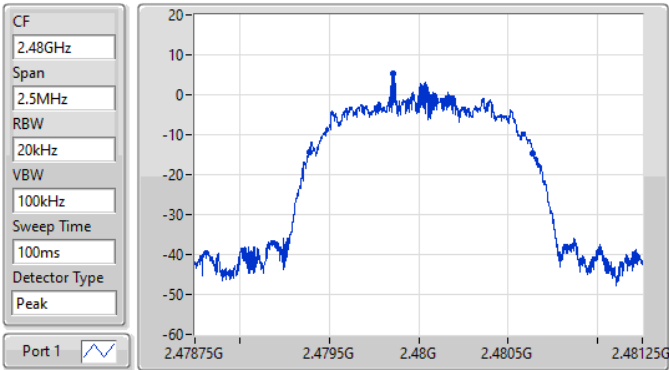

BT-EDR(3Mbps)
EBW-FS
2440MHz

01/12/2021



BT-EDR(3Mbps)

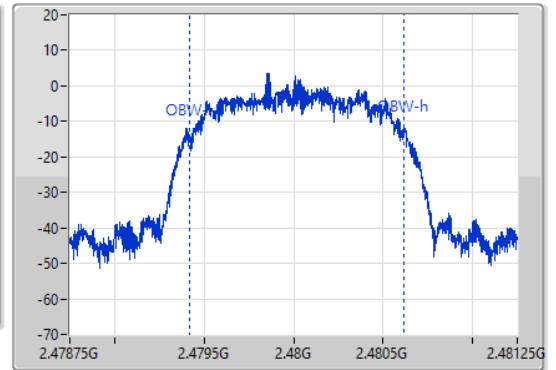
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.25M	2.479388G	2.480638G	1.194M	2.479422G	2.480616G	Inf	1

EBW-FS

01/12/2021





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	1.002M
BT-EDR(2Mbps)	1.0005M	999k
BT-EDR(3Mbps)	1.002M	1.0005M

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.401855G	2.402857G	1.002M	625.2075k
2440MHz	Pass	2.439855G	2.440857G	1.002M	626.04k
2480MHz	Pass	2.478858G	2.47986G	1.002M	624.375k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402185G	2.403186G	1.0005M	871.794k
2440MHz	Pass	2.440188G	2.441187G	999k	872.46k
2480MHz	Pass	2.479187G	2.480187G	1.0005M	869.13k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.401855G	2.402857G	1.002M	841.158k
2440MHz	Pass	2.439857G	2.440859G	1.002M	844.488k
2480MHz	Pass	2.478857G	2.479857G	1.0005M	832.5k

BT-BR(1Mbps)

2.402G/2.403GHz

Channel Separation-FS

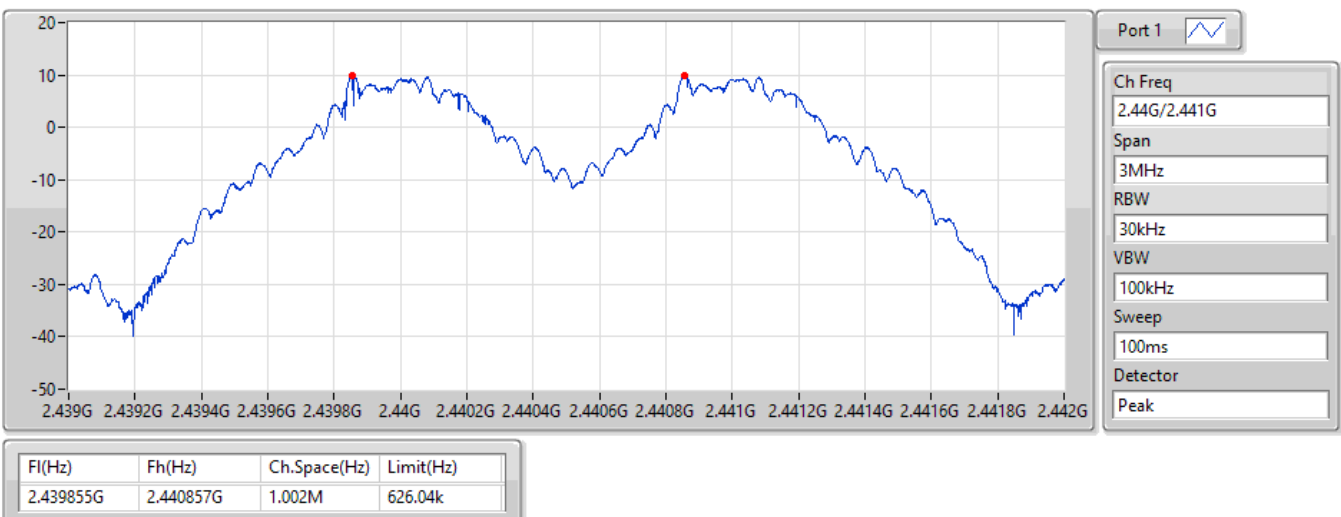
01/12/2021



BT-BR(1Mbps)

2.44G/2.441GHz

Channel Separation-FS

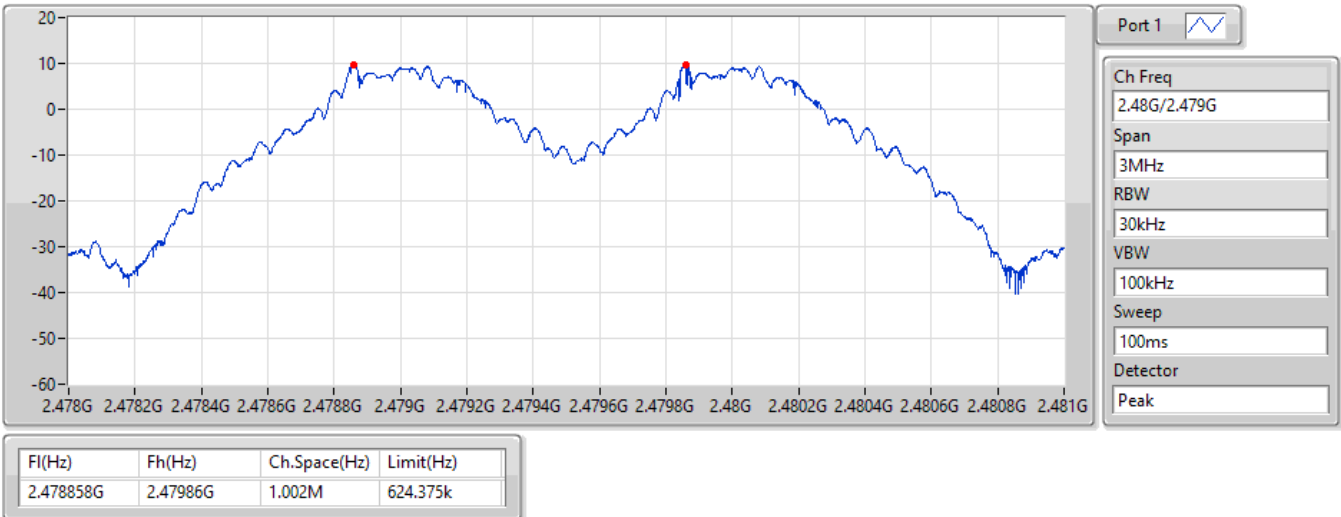


BT-BR(1Mbps)

2.48G/2.479GHz

Channel Separation-FS

01/12/2021

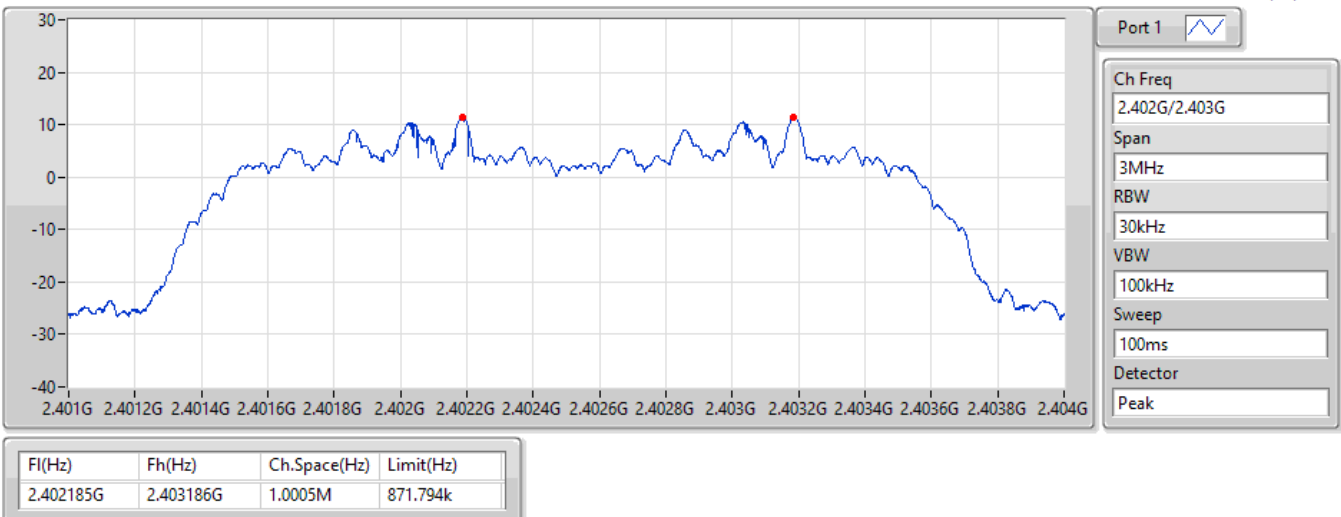


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation-FS

01/12/2021

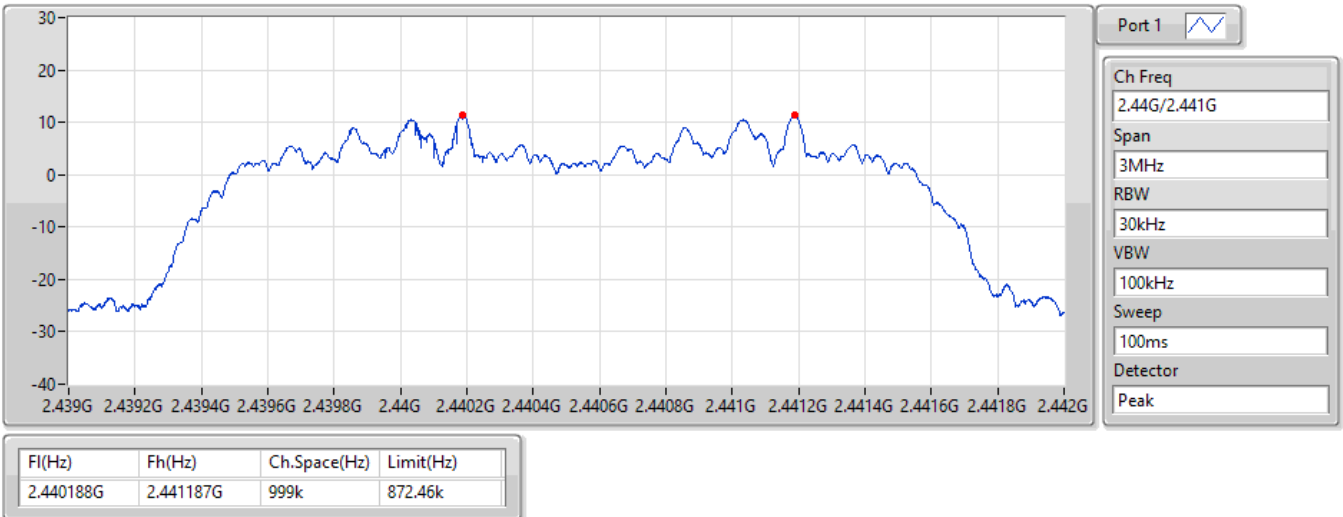


BT-EDR(2Mbps)

2.44G/2.441GHz

Channel Separation-FS

01/12/2021

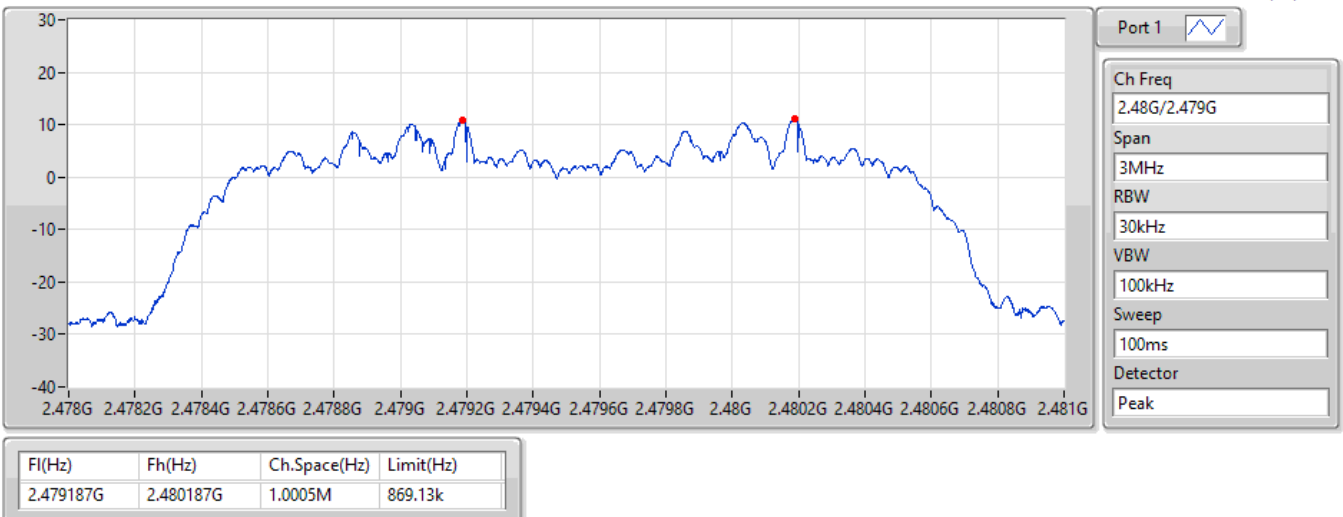


BT-EDR(2Mbps)

2.48G/2.479GHz

Channel Separation-FS

01/12/2021



BT-EDR(3Mbps)

2.402G/2.403GHz

Channel Separation-FS

01/12/2021



BT-EDR(3Mbps)

2.44G/2.441GHz

Channel Separation-FS

01/12/2021



BT-EDR(3Mbps)

2.48G/2.479GHz

Channel Separation-FS

01/12/2021



Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
2.4-2.4835GHz	-	-	-	-
BT-BR(1Mbps)	12.43	0.01750	15.93	0.03917
BT-EDR(2Mbps)	9.82	0.00959	13.32	0.02147
BT-EDR(3Mbps)	9.52	0.00895	13.02	0.02004



Average Power-FHSS <High Power>

Appendix C.1

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)	Power Limit (dBm)	EIRP (dBm)
BT-BR(1Mbps)	-	-	-	-	-	-
2402MHz	Pass	3.50	12.10	21.00	21.00	15.60
2440MHz	Pass	3.50	12.43	21.00	21.00	15.93
2480MHz	Pass	3.50	12.06	21.00	21.00	15.56
BT-EDR(2Mbps)	-	-	-	-	-	-
2402MHz	Pass	3.50	9.54	21.00	21.00	13.04
2440MHz	Pass	3.50	9.82	21.00	21.00	13.32
2480MHz	Pass	3.50	9.66	21.00	21.00	13.16
BT-EDR(3Mbps)	-	-	-	-	-	-
2402MHz	Pass	3.50	9.52	21.00	21.00	13.02
2440MHz	Pass	3.50	9.22	21.00	21.00	12.72
2480MHz	Pass	3.50	9.05	21.00	21.00	12.55

DG = Directional Gain; Port X = Port X output power

Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
2.4-2.4835GHz	-	-	-	-
BT-BR(1Mbps)	12.65	0.01841	16.15	0.04120
BT-EDR(2Mbps)	11.71	0.01483	15.21	0.03318
BT-EDR(3Mbps)	12.33	0.01710	15.58	0.03614

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)	EIRP (dBm)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	3.50	12.26	21.00	15.76
2440MHz	Pass	3.50	12.65	21.00	16.15
2480MHz	Pass	3.50	12.55	21.00	16.05
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	3.50	11.44	21.00	14.94
2440MHz	Pass	3.50	11.71	21.00	15.21
2480MHz	Pass	3.50	11.56	21.00	15.06
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	3.50	12.33	21.00	15.83
2440MHz	Pass	3.50	12.08	21.00	15.58
2480MHz	Pass	3.50	12.06	21.00	15.56

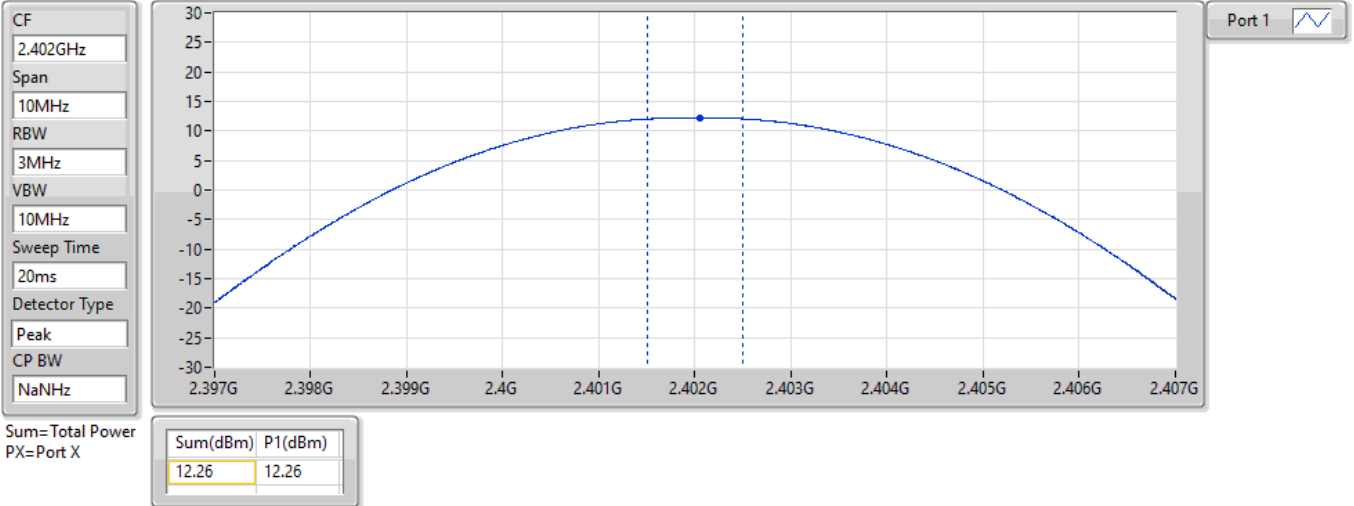
DG = Directional Gain; Port X = Port X output power

BT-BR(1Mbps)

PK Power-FS

2402MHz

01/12/2021

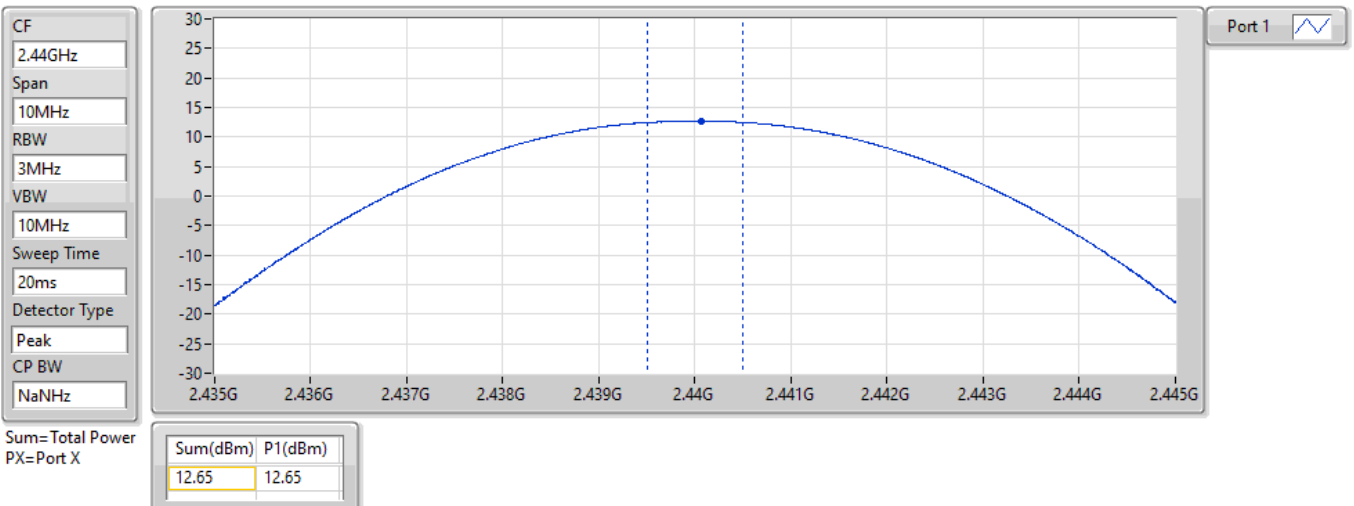


BT-BR(1Mbps)

PK Power-FS

2440MHz

01/12/2021

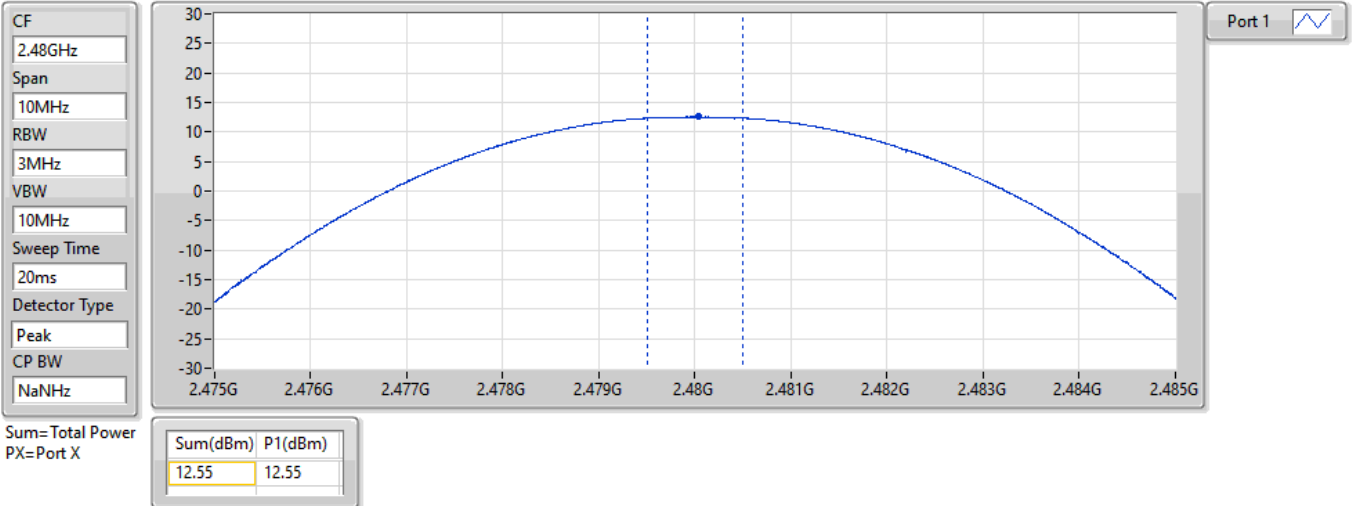


BT-BR(1Mbps)

PK Power-FS

2480MHz

21/12/2021

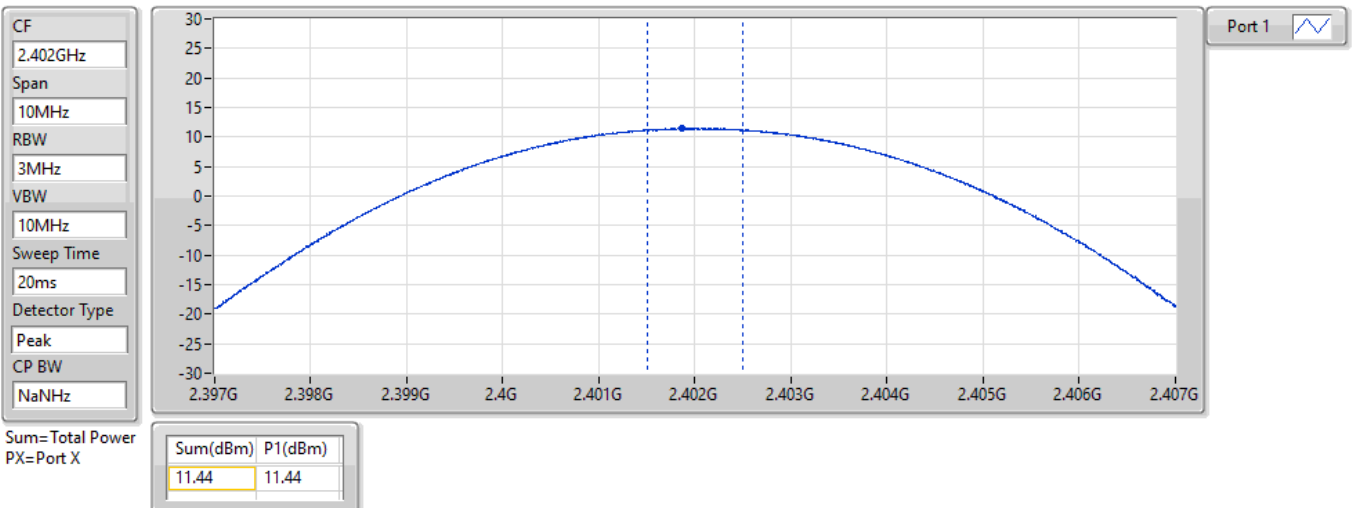


BT-EDR(2Mbps)

PK Power-FS

2402MHz

06/12/2021

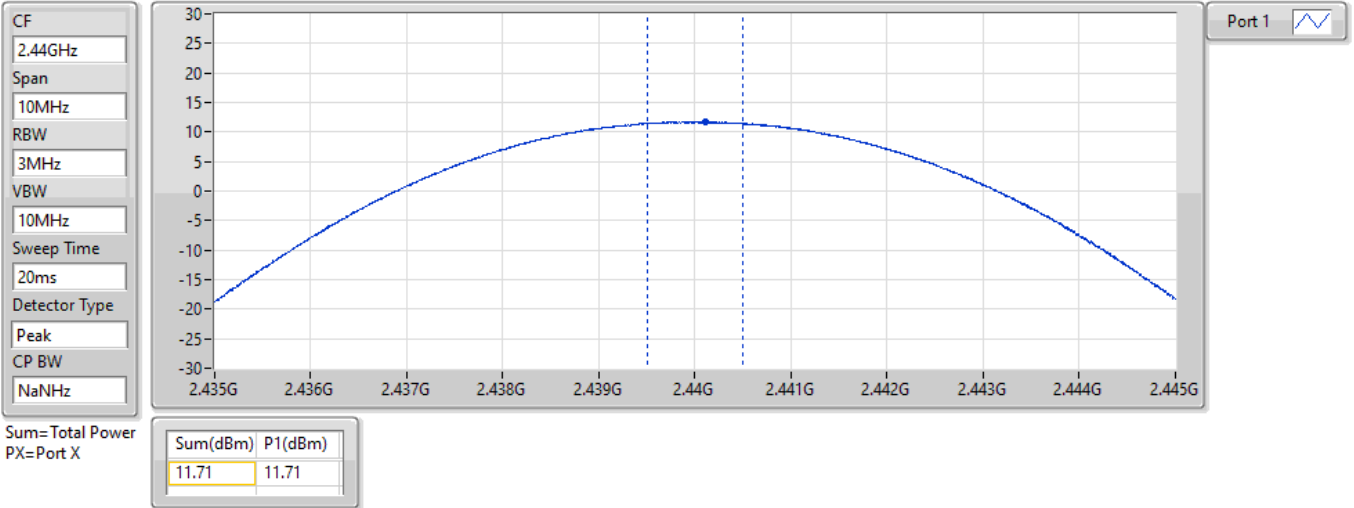


BT-EDR(2Mbps)

PK Power-FS

2440MHz

06/12/2021

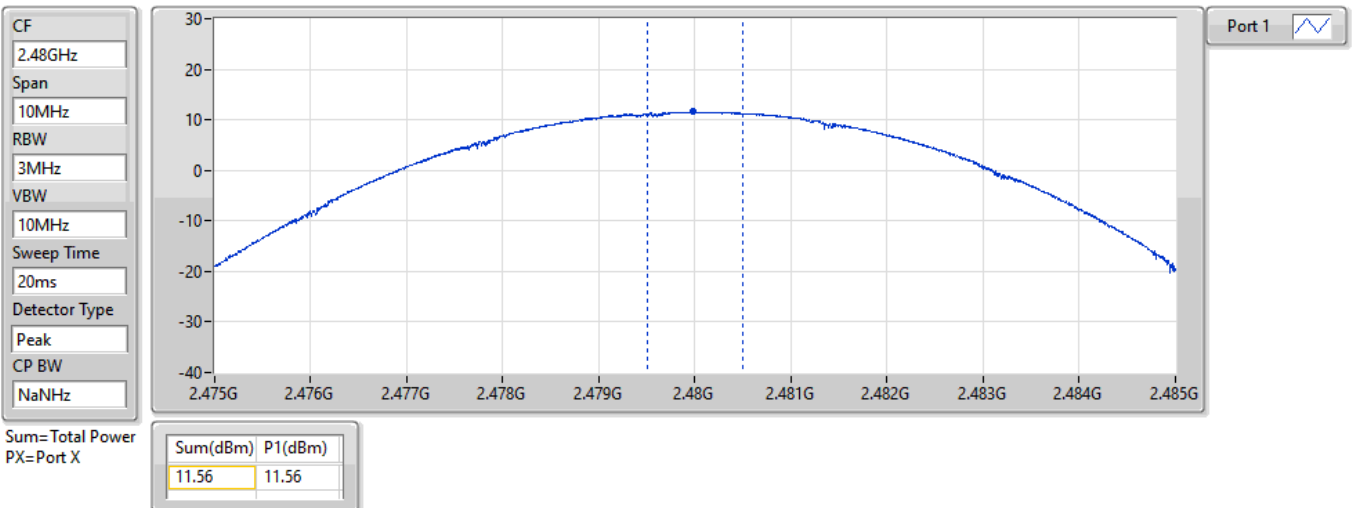


BT-EDR(2Mbps)

PK Power-FS

2480MHz

21/12/2021

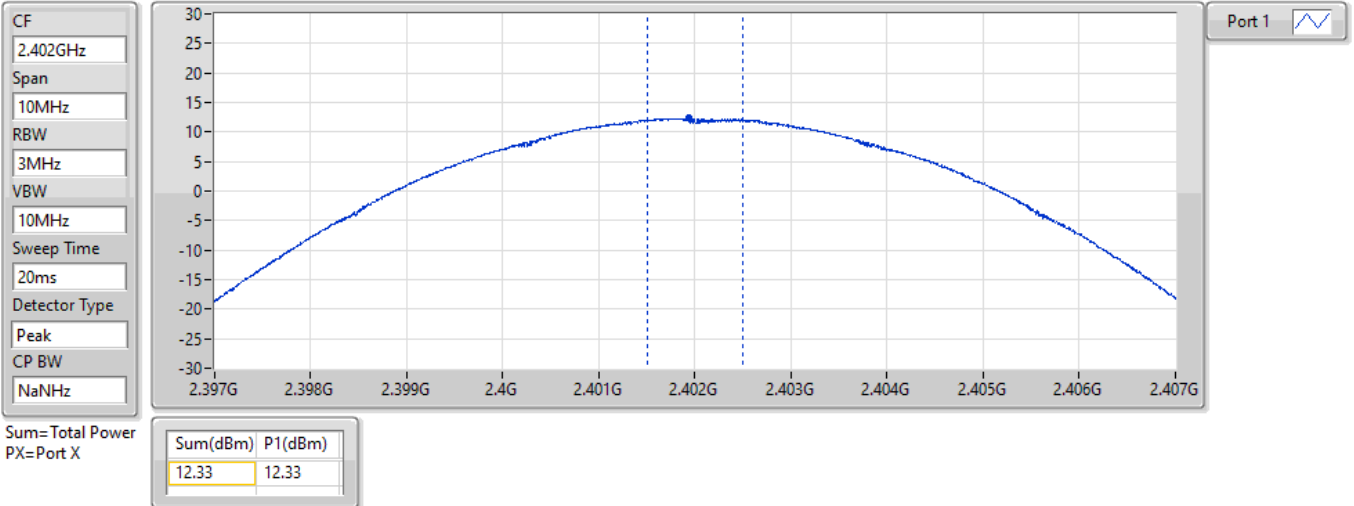


BT-EDR(3Mbps)

PK Power-FS

2402MHz

01/12/2021

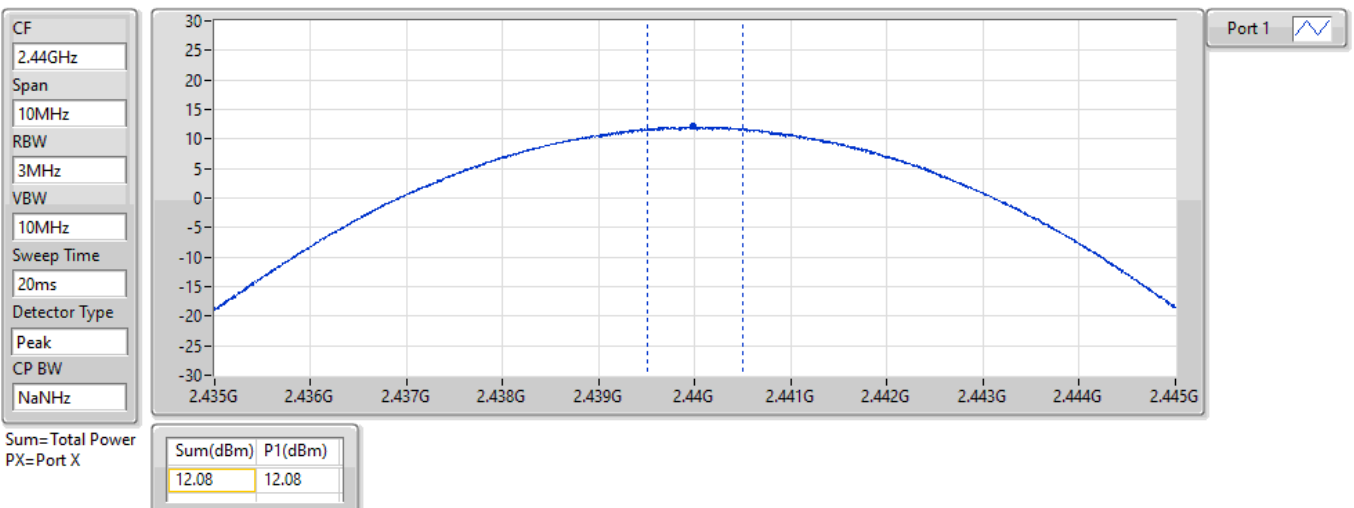


BT-EDR(3Mbps)

PK Power-FS

2440MHz

01/12/2021

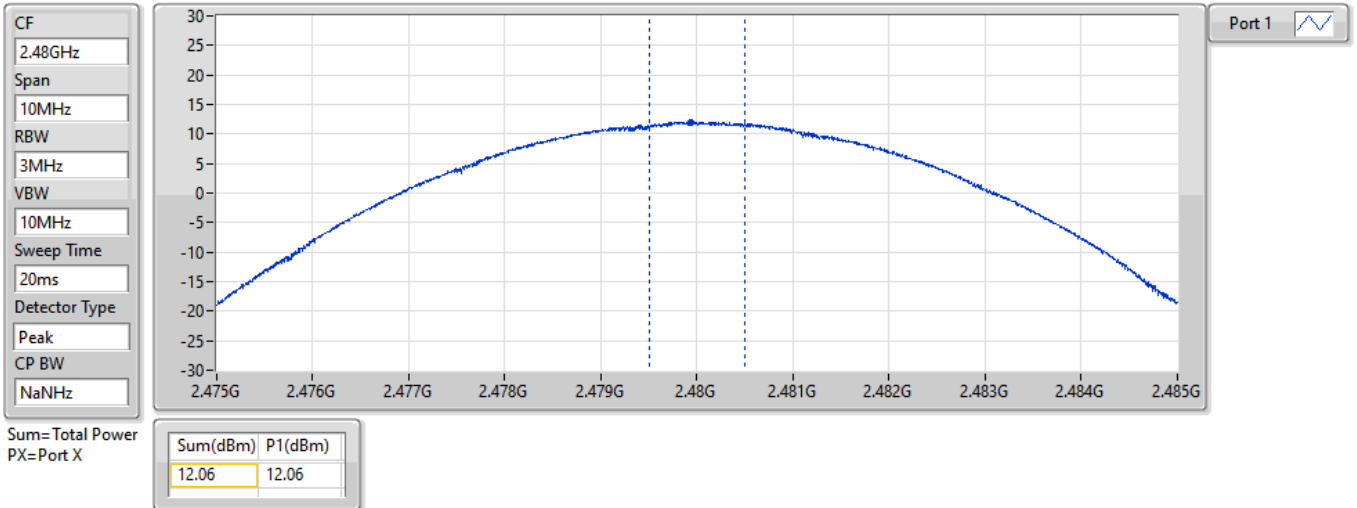


BT-EDR(3Mbps)

PK Power-FS

2480MHz

21/12/2021





Average Power-FHSS <Low Power>

Appendix C.3

Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
2.4-2.4835GHz	-	-	-	-
BT-BR(1Mbps)	6.11	0.00408	9.61	0.009141132
BT-EDR(2Mbps)	6.23	0.00420	9.73	0.009397233
BT-EDR(3Mbps)	6.25	0.00422	9.75	0.009440609

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)	EIRP (dBm)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	3.50	6.11	21.00	9.61
2440MHz	Pass	3.50	6.11	21.00	9.61
2480MHz	Pass	3.50	6.03	21.00	9.53
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	3.50	6.23	21.00	9.73
2440MHz	Pass	3.50	6.05	21.00	9.55
2480MHz	Pass	3.50	6.03	21.00	9.53
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	3.50	6.05	21.00	9.55
2440MHz	Pass	3.50	6.25	21.00	9.75
2480MHz	Pass	3.50	6.22	21.00	9.72

DG = Directional Gain; Port X = Port X output power

Summary

Mode	Power (dBm)	Power (W)	EIRP (dBm)	EIRP (W)
2.4-2.4835GHz	-	-	-	-
BT-BR(1Mbps)	6.49	0.00446	9.99	0.00997
BT-EDR(2Mbps)	8.92	0.00780	12.42	0.01745
BT-EDR(3Mbps)	9.60	0.00912	13.10	0.02041

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)	EIRP (dBm)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	3.50	6.49	21.00	9.99
2440MHz	Pass	3.50	6.49	21.00	9.99
2480MHz	Pass	3.50	6.43	21.00	9.93
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	3.50	8.92	21.00	12.42
2440MHz	Pass	3.50	8.90	21.00	12.40
2480MHz	Pass	3.50	8.63	21.00	12.13
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	3.50	9.37	21.00	12.87
2440MHz	Pass	3.50	9.60	21.00	13.10
2480MHz	Pass	3.50	9.53	21.00	13.03

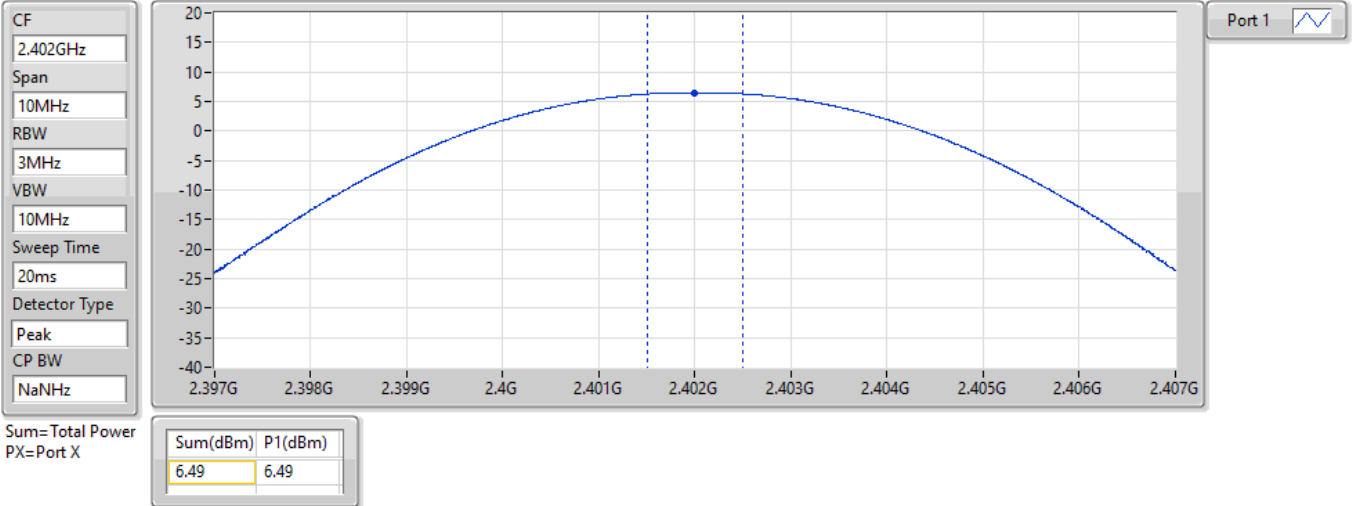
DG = Directional Gain; Port X = Port X output power

BT-BR(1Mbps)

PK Power-FS

2402MHz

01/12/2021

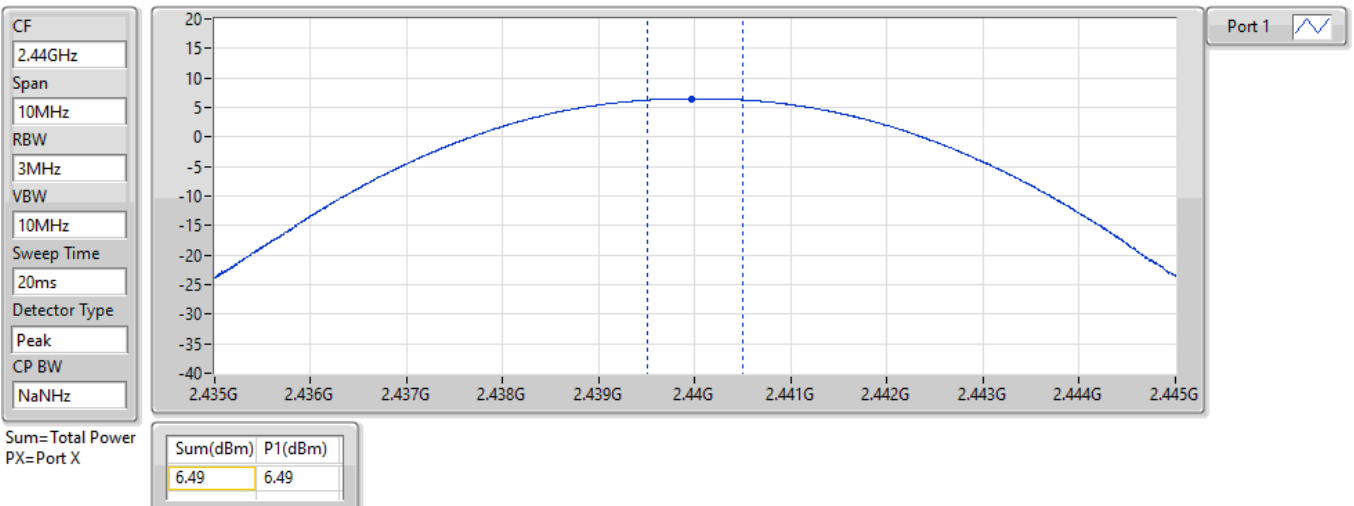


BT-BR(1Mbps)

PK Power-FS

2440MHz

01/12/2021

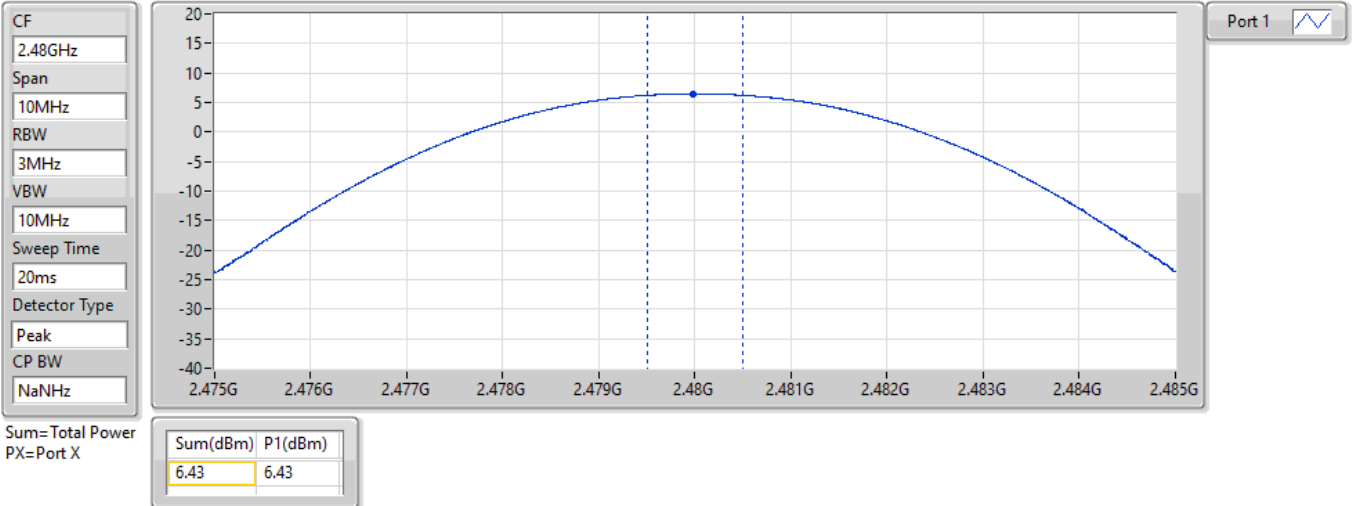


BT-BR(1Mbps)

PK Power-FS

2480MHz

01/12/2021

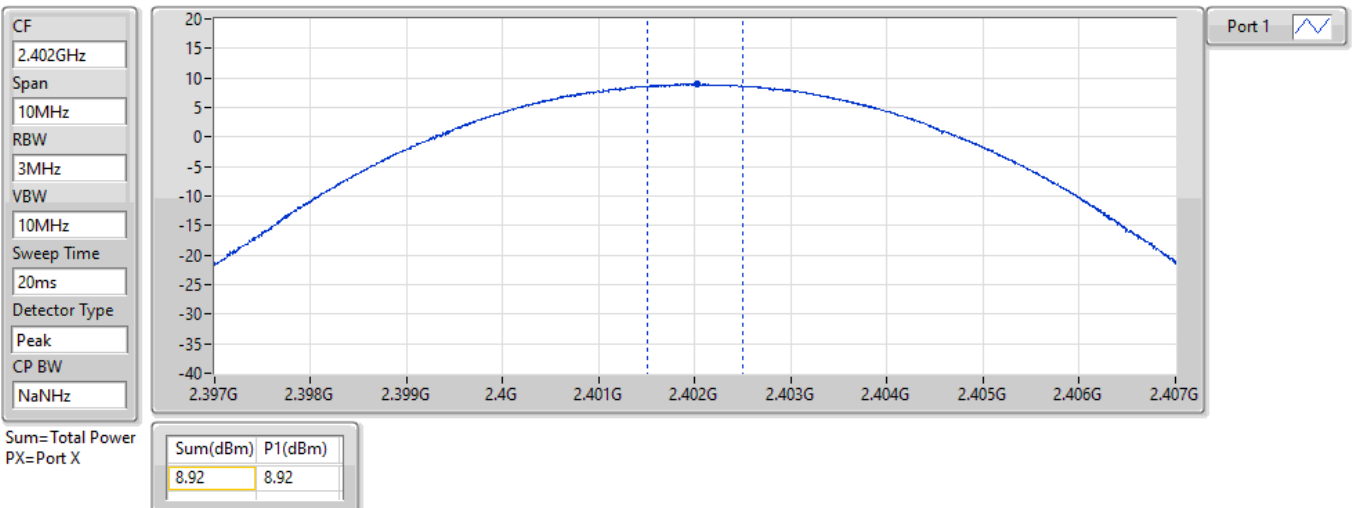


BT-EDR(2Mbps)

PK Power-FS

2402MHz

01/12/2021

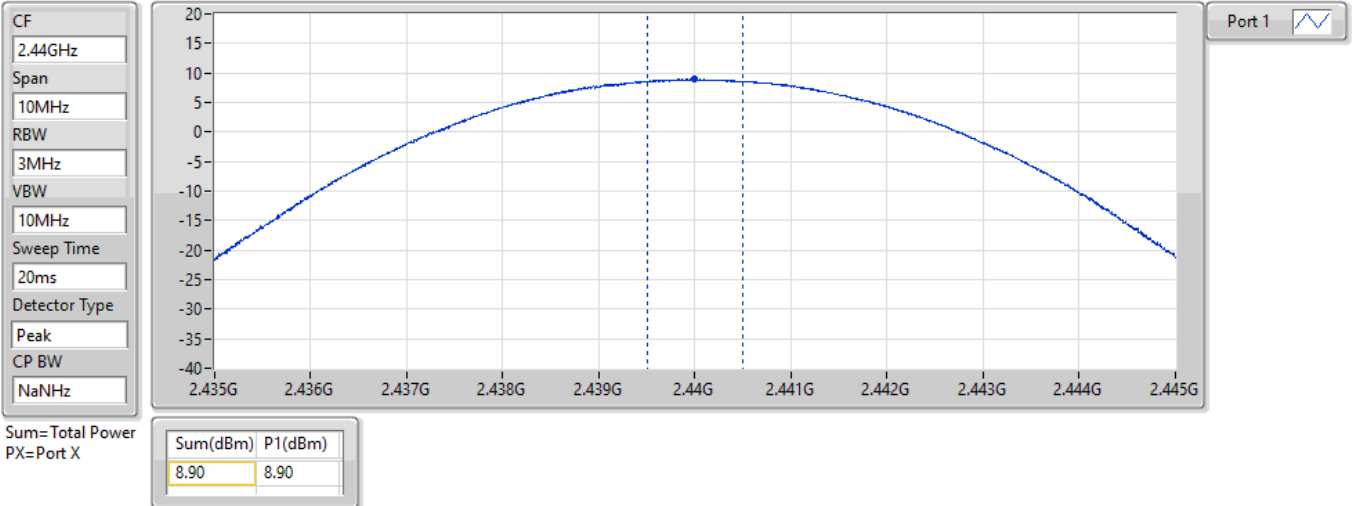


BT-EDR(2Mbps)

PK Power-FS

2440MHz

01/12/2021

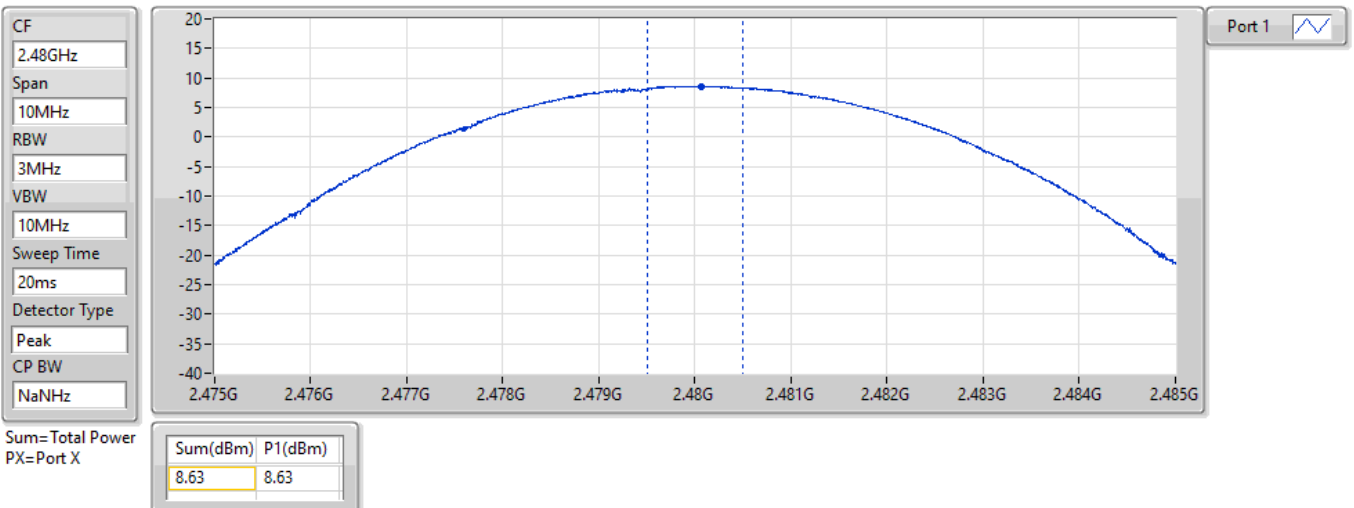


BT-EDR(2Mbps)

PK Power-FS

2480MHz

01/12/2021

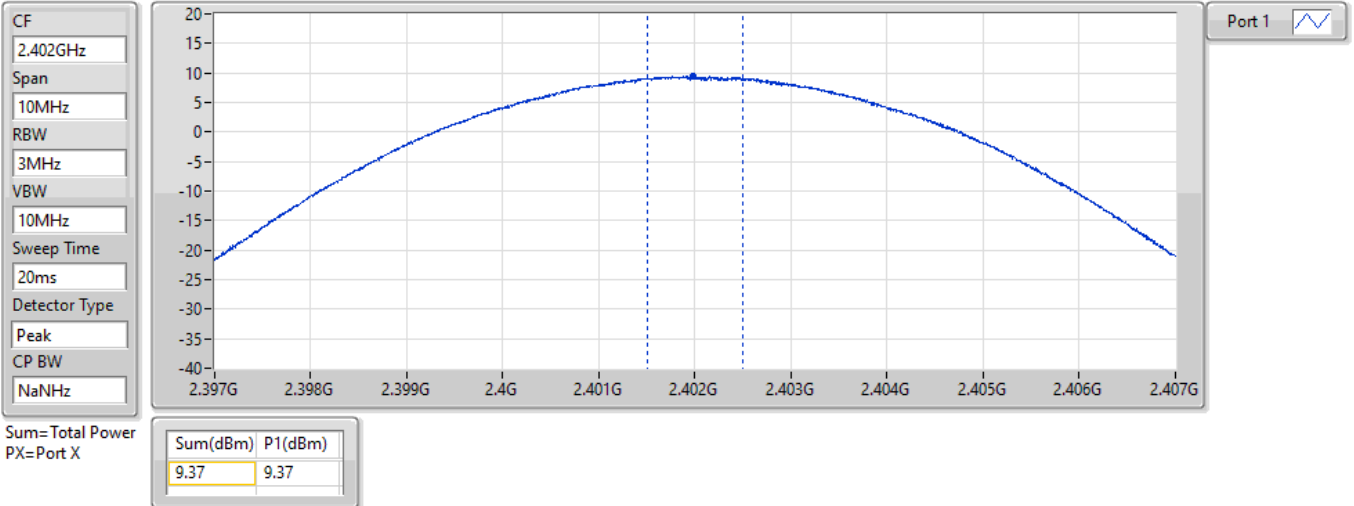


BT-EDR(3Mbps)

PK Power-FS

2402MHz

01/12/2021

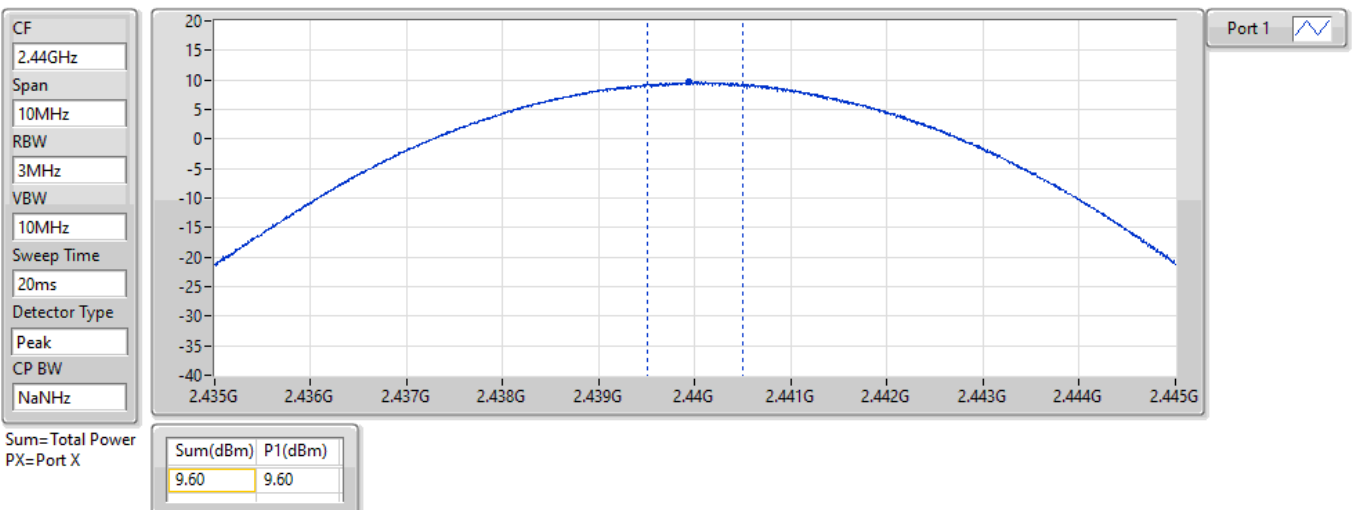


BT-EDR(3Mbps)

PK Power-FS

2440MHz

01/12/2021

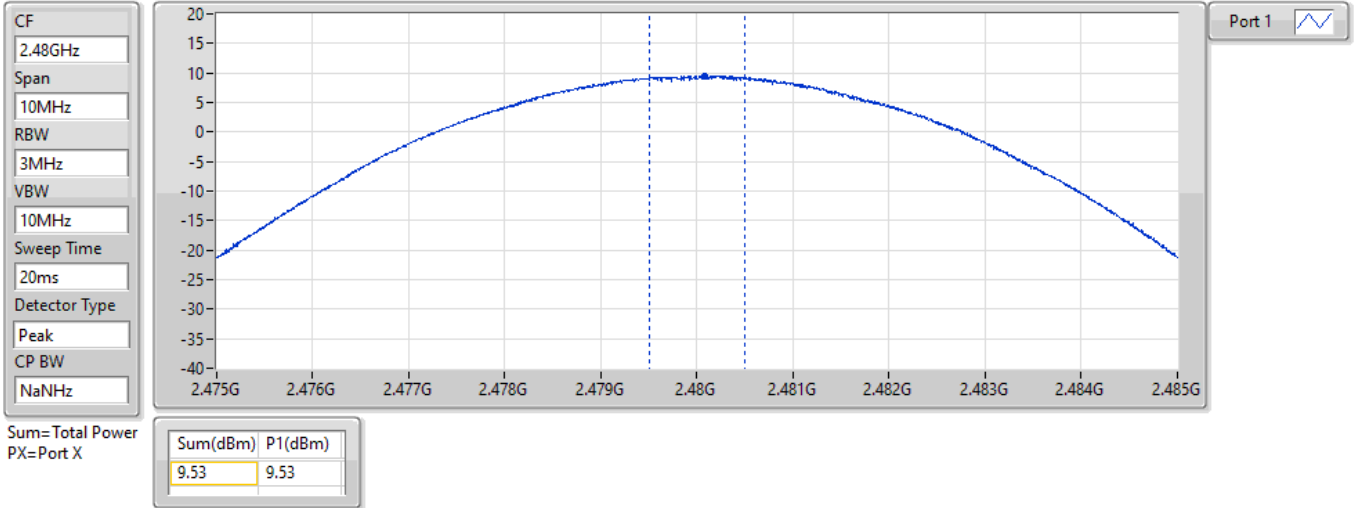


BT-EDR(3Mbps)

PK Power-FS

2480MHz

01/12/2021





Summary

Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

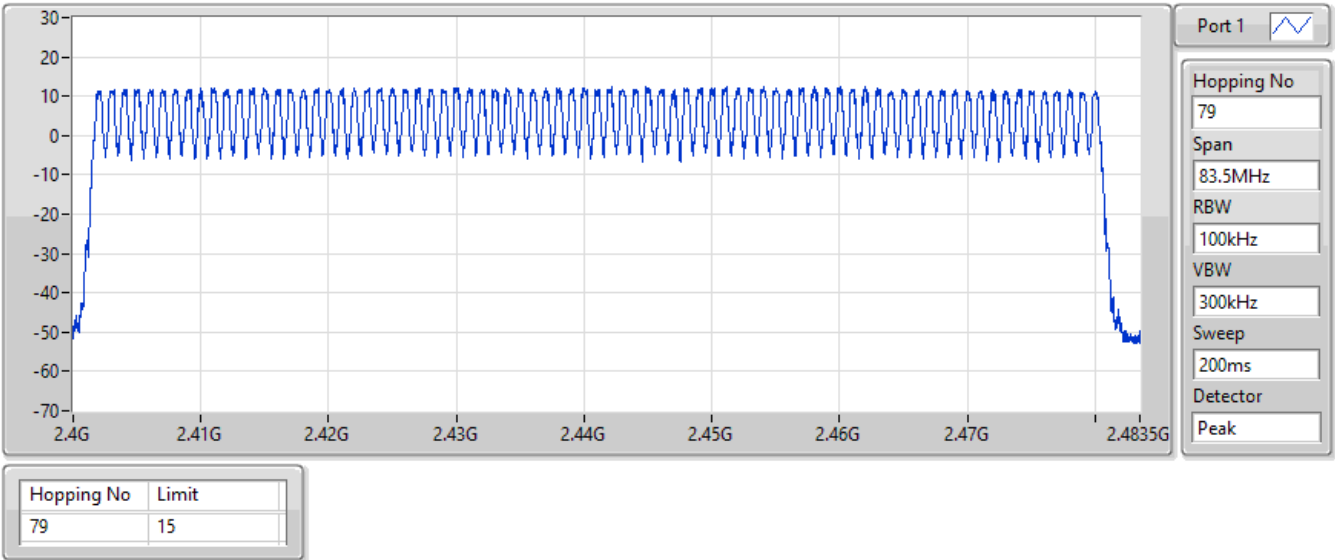
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

BT-BR(1Mbps)

2440MHz

Hopping-FS

01/12/2021

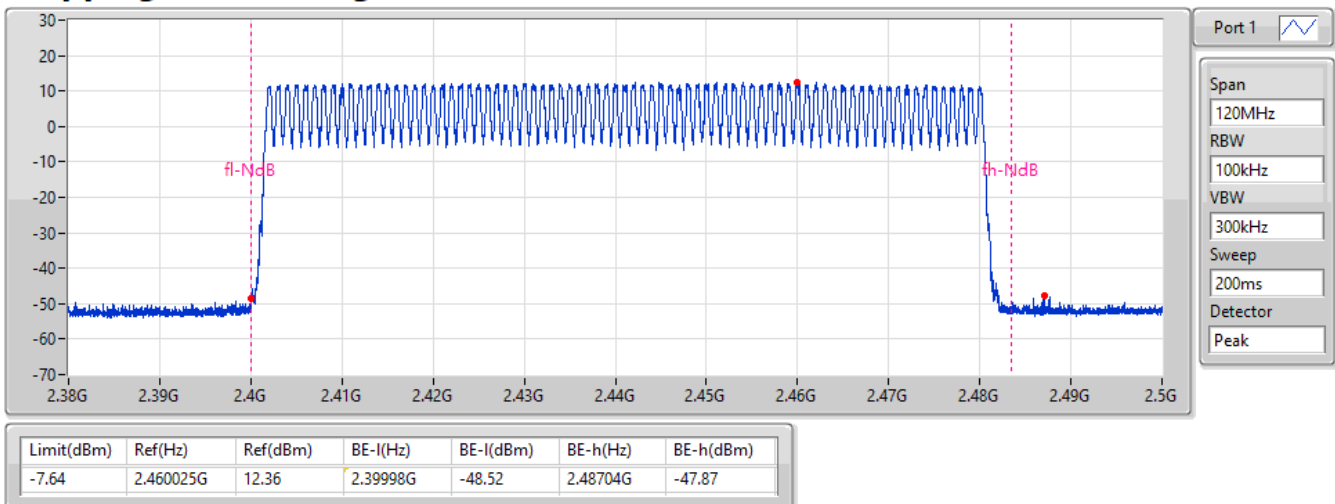


BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

01/12/2021

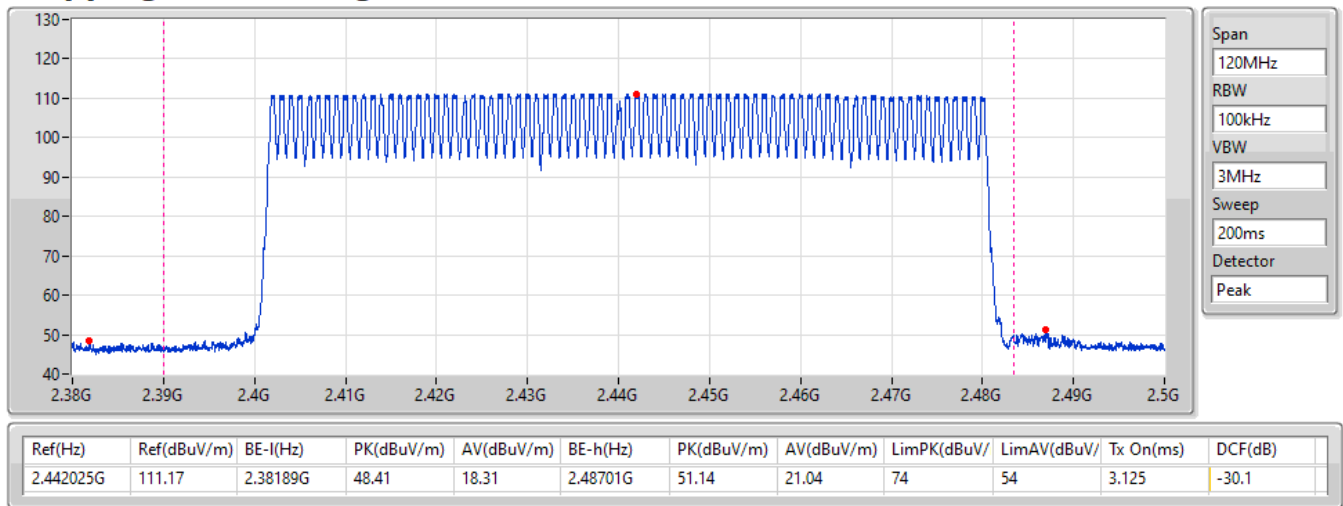


BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

01/12/2021

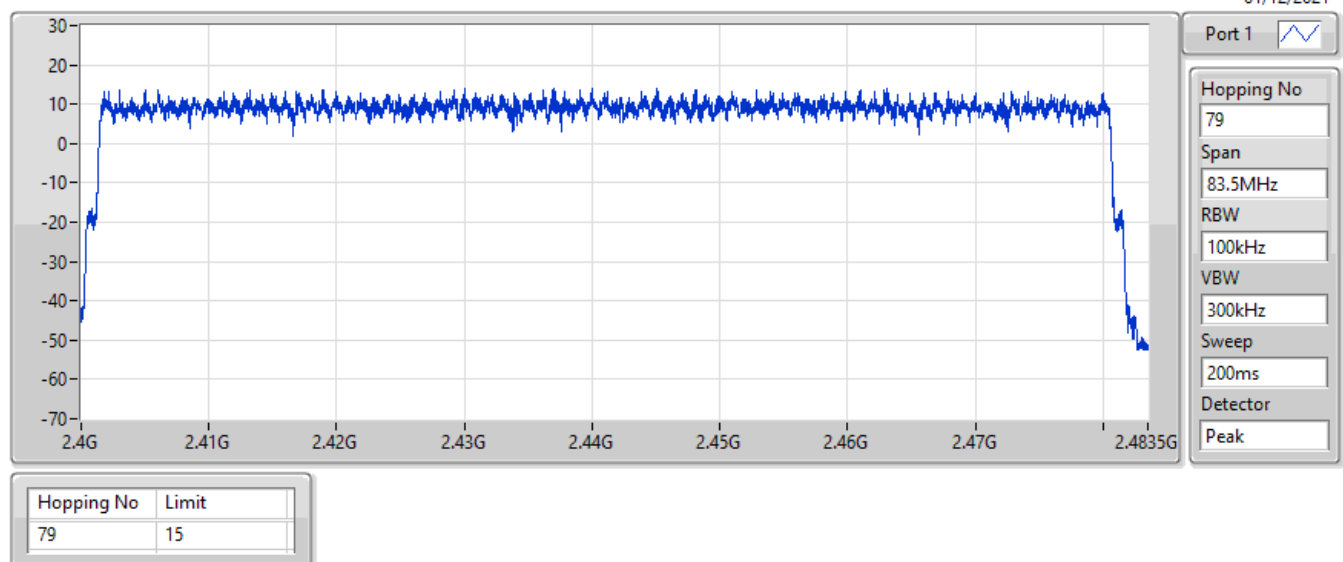


BT-EDR(2Mbps)

2440MHz

Hopping-FS

01/12/2021

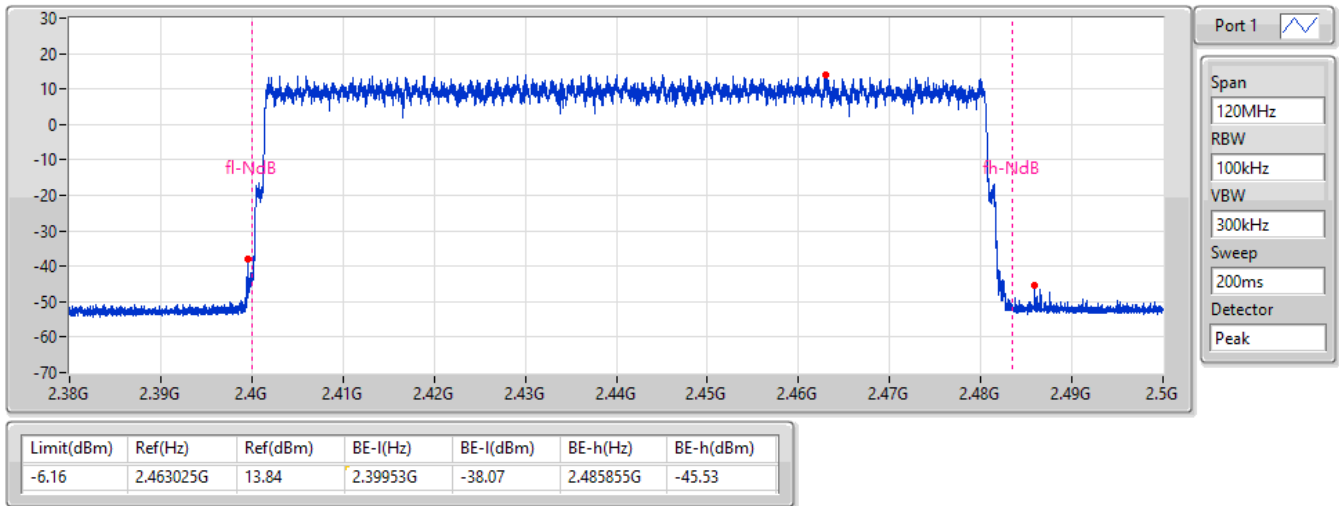


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

01/12/2021

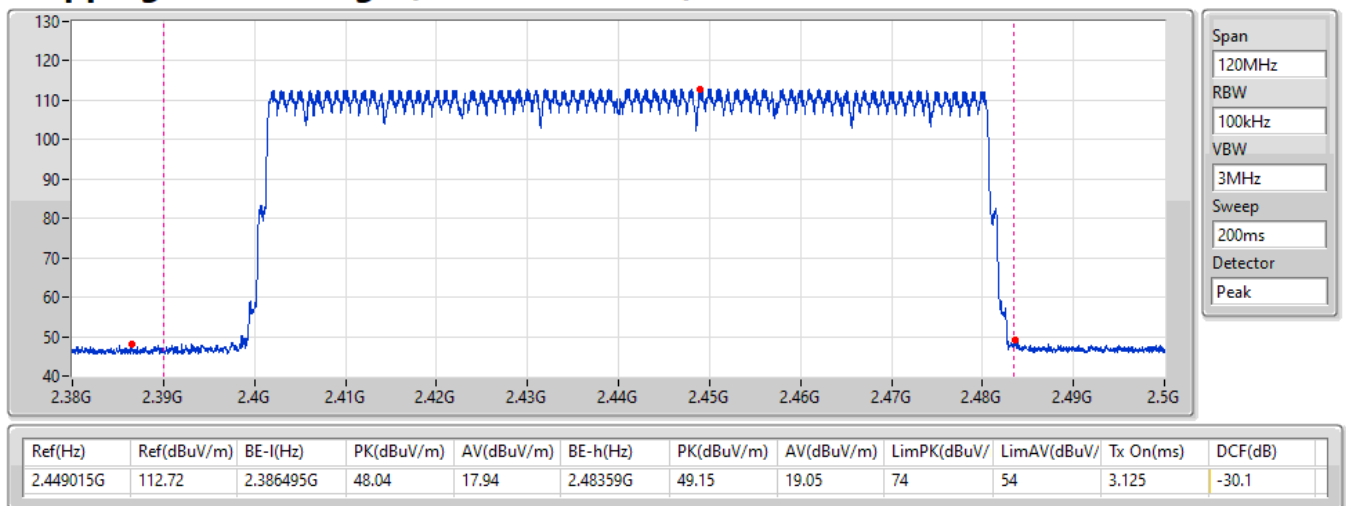


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

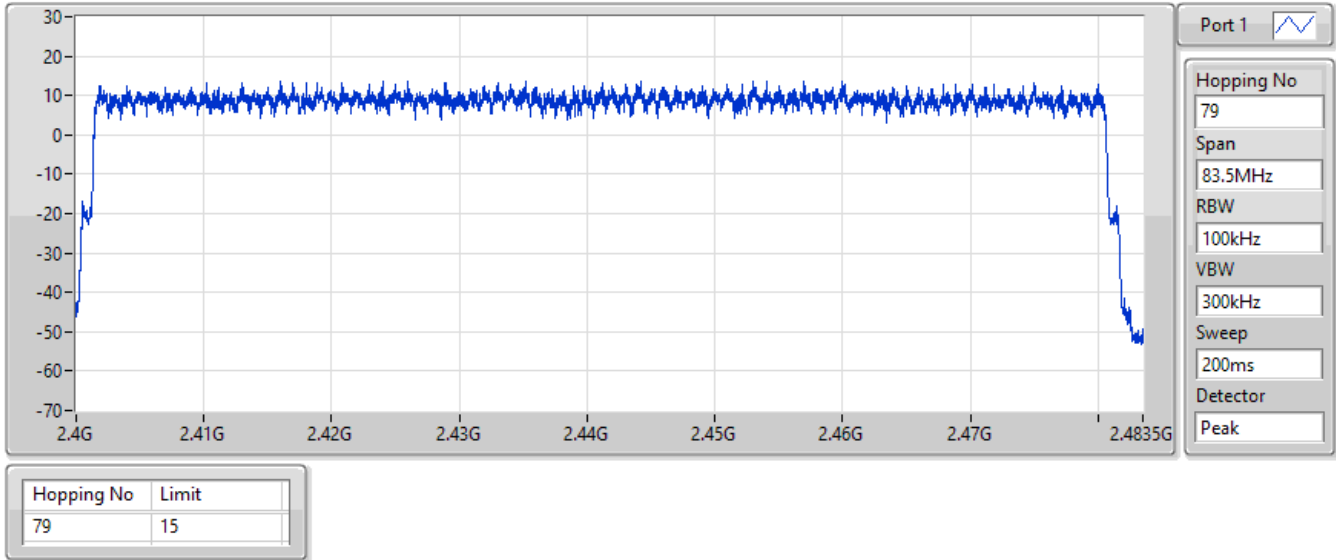
01/12/2021



BT-EDR(3Mbps) 2440MHz

Hopping-FS

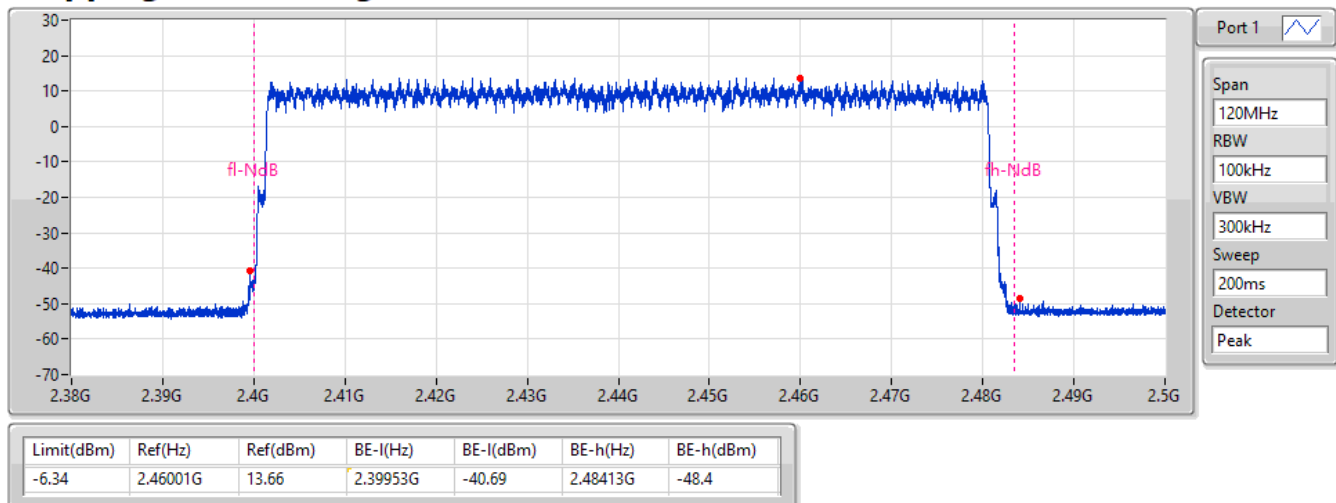
01/12/2021



BT-EDR(3Mbps) 2440MHz

Hopping Ch Bandedge (Non-restricted Band)

01/12/2021

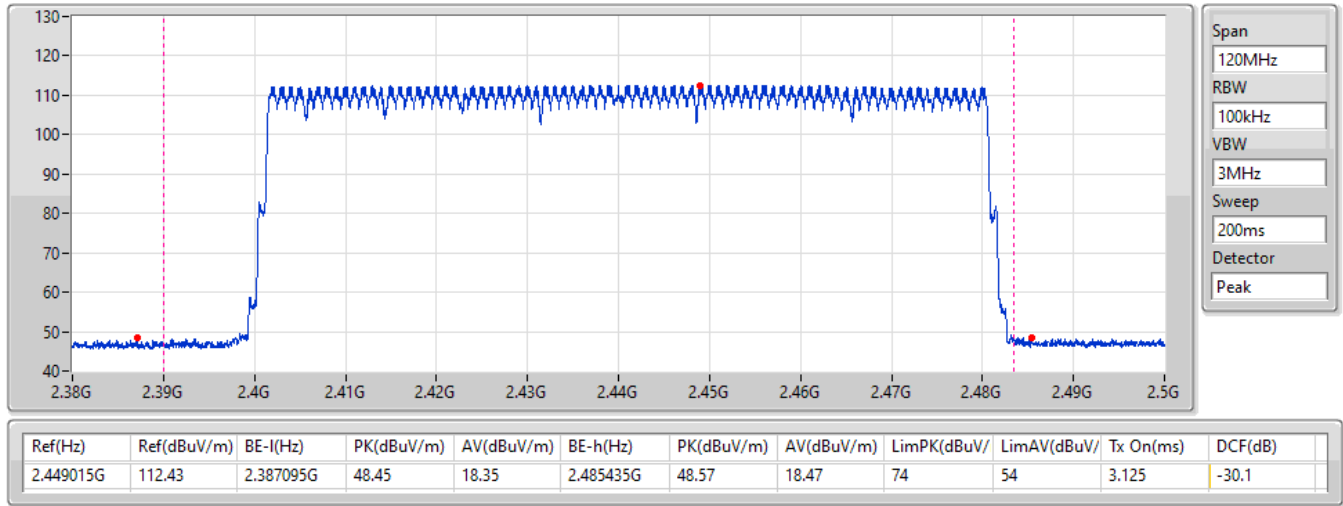


BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

01/12/2021





Summary

Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

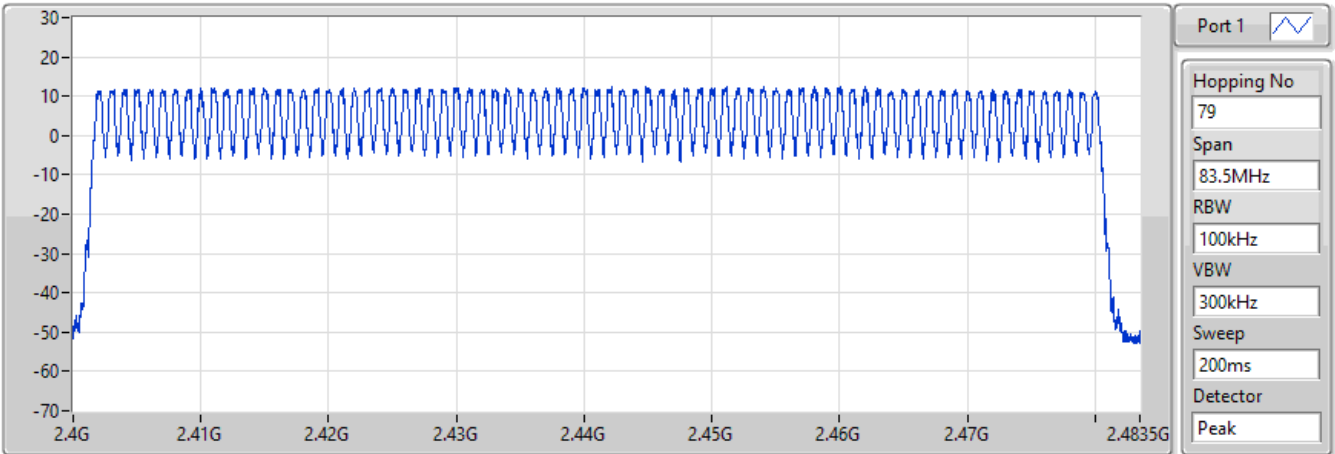
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

BT-BR(1Mbps)

2440MHz

Hopping-FS

01/12/2021



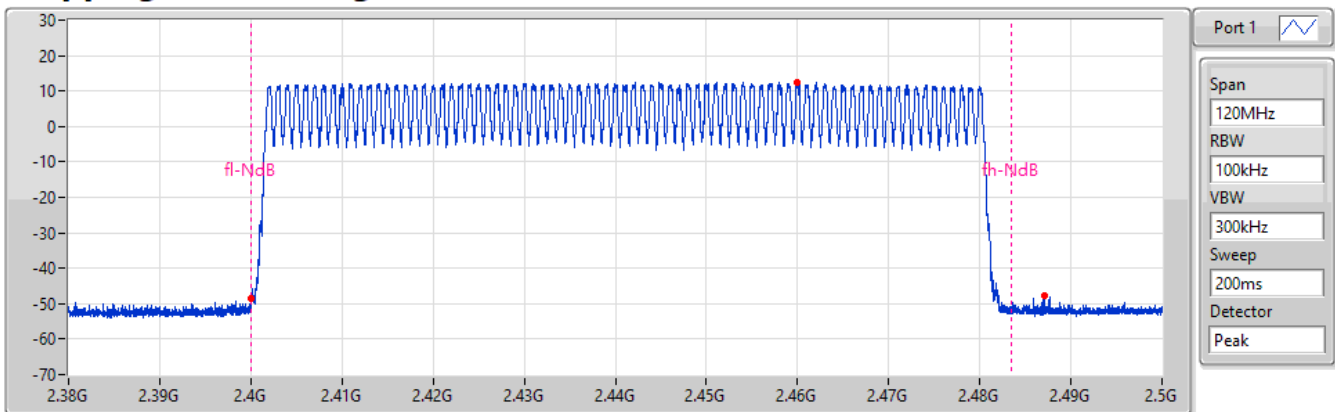
Hopping No	Limit
79	15

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

01/12/2021



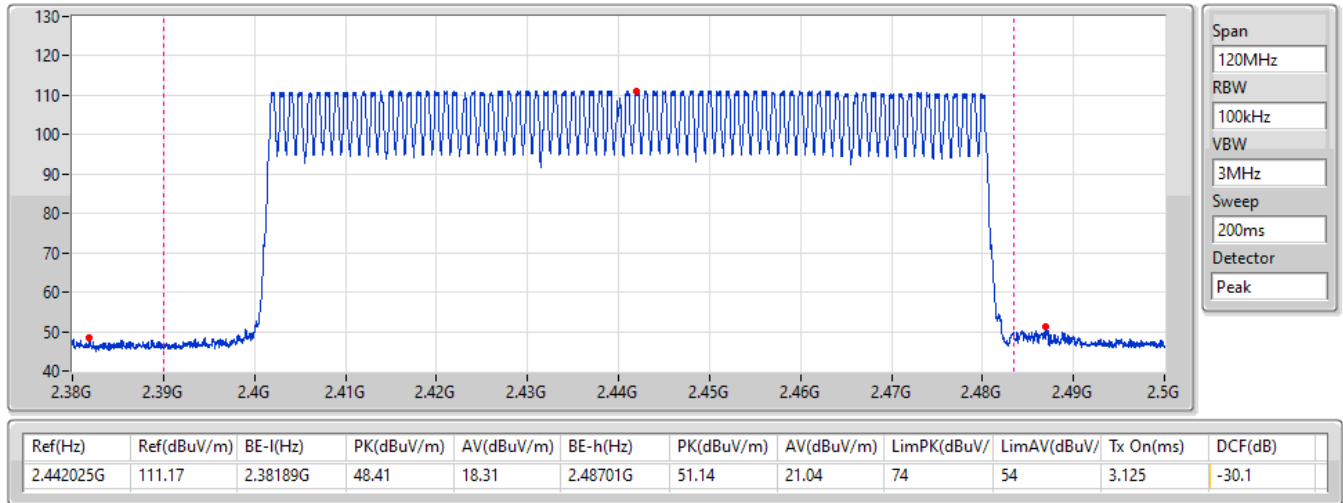
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-7.64	2.460025G	12.36	2.39998G	-48.52	2.48704G	-47.87

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

01/12/2021

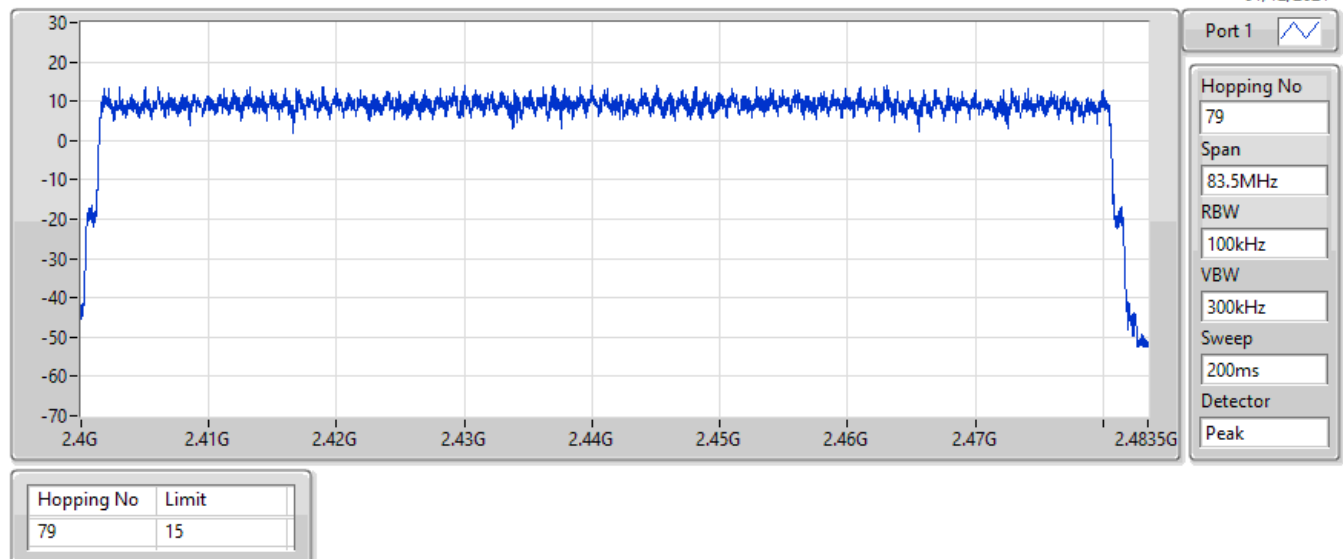


BT-EDR(2Mbps)

2440MHz

Hopping-FS

01/12/2021

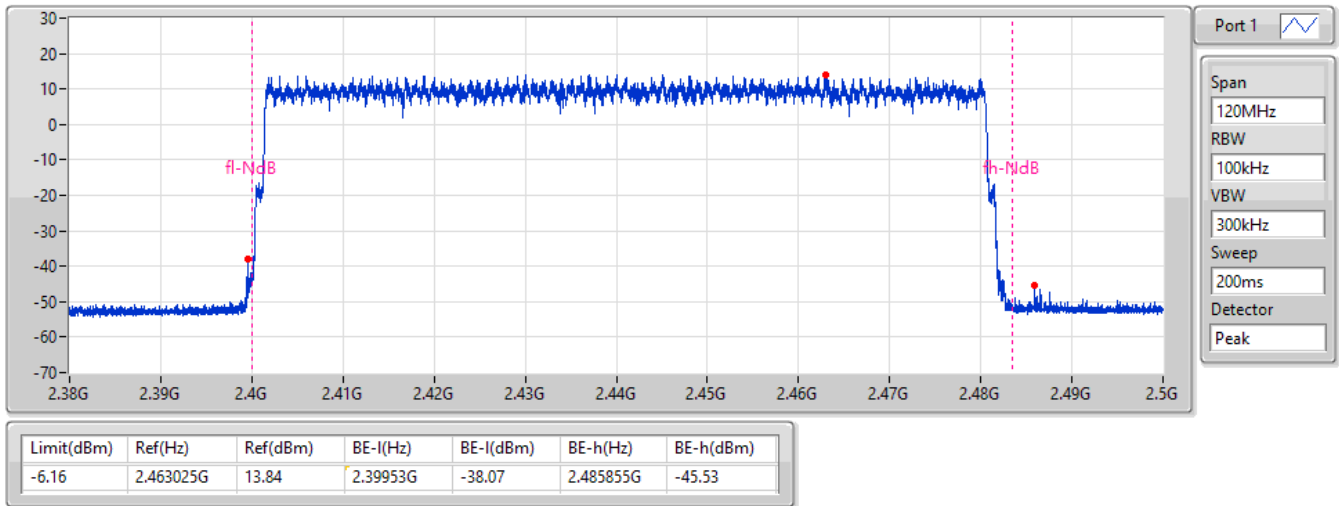


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

01/12/2021

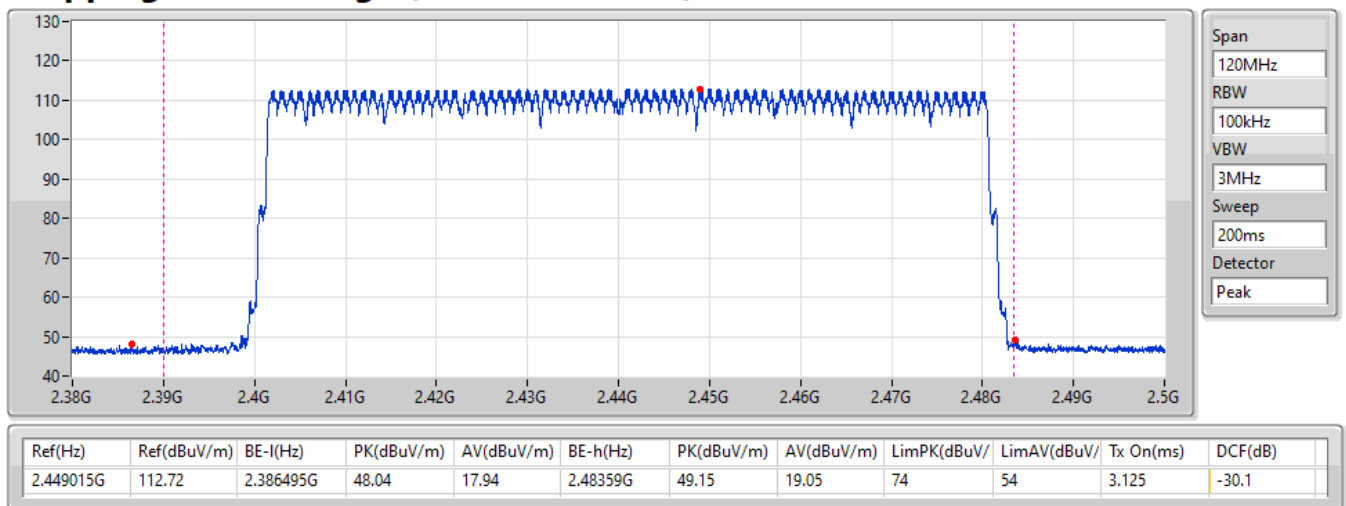


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

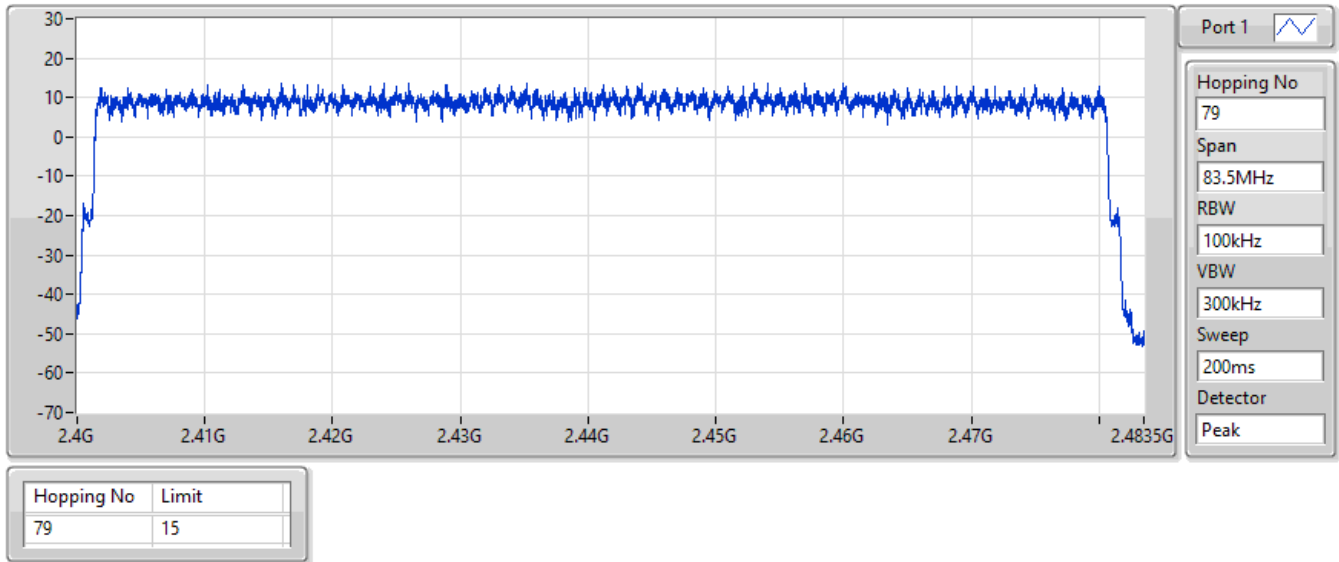
01/12/2021



BT-EDR(3Mbps) 2440MHz

Hopping-FS

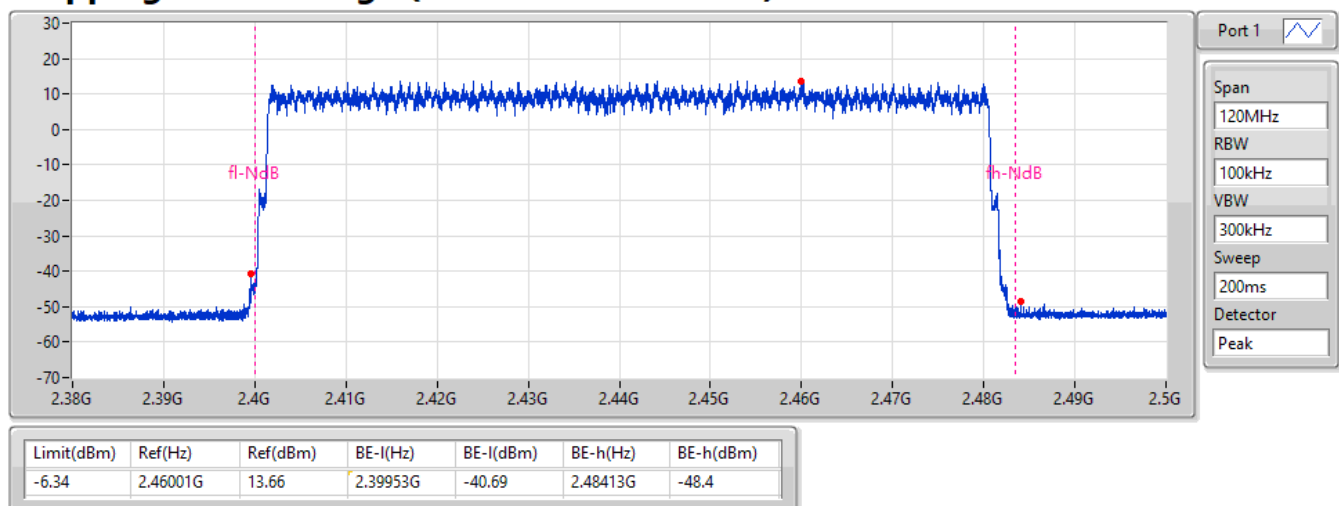
01/12/2021



BT-EDR(3Mbps) 2440MHz

Hopping Ch Bandedge (Non-restricted Band)

01/12/2021

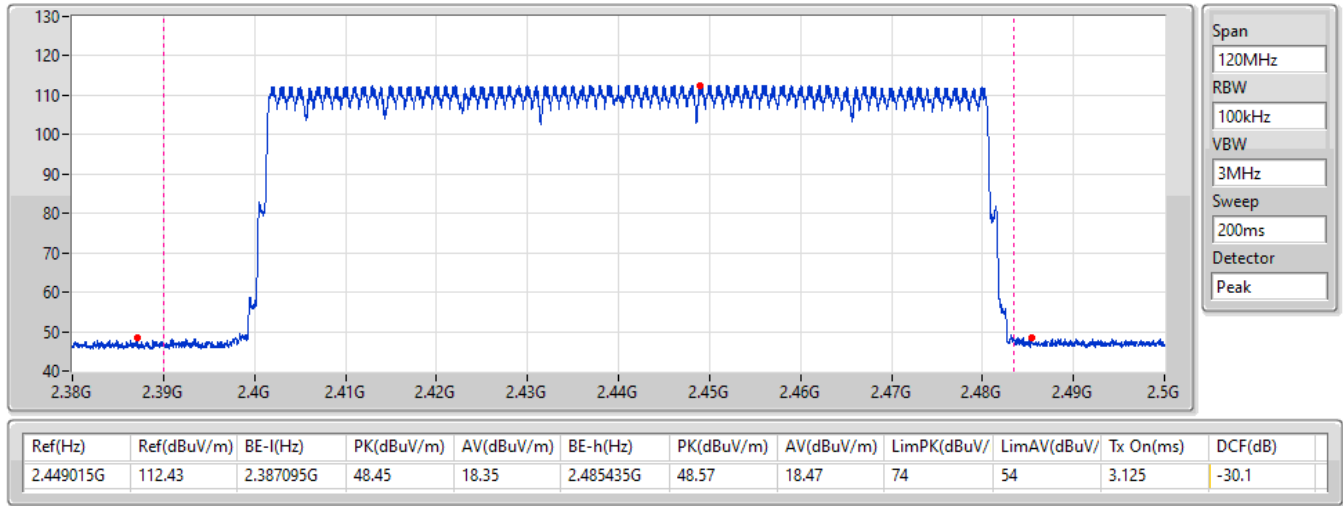


BT-EDR(3Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

01/12/2021





Summary

Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

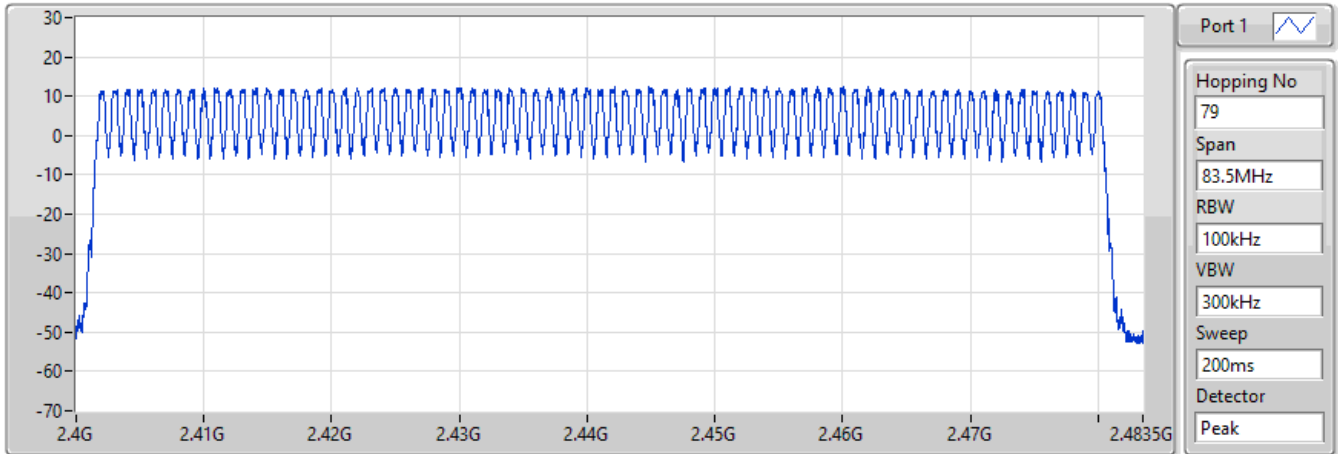
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

BT-BR(1Mbps)

2440MHz

Hopping-FS

01/12/2021



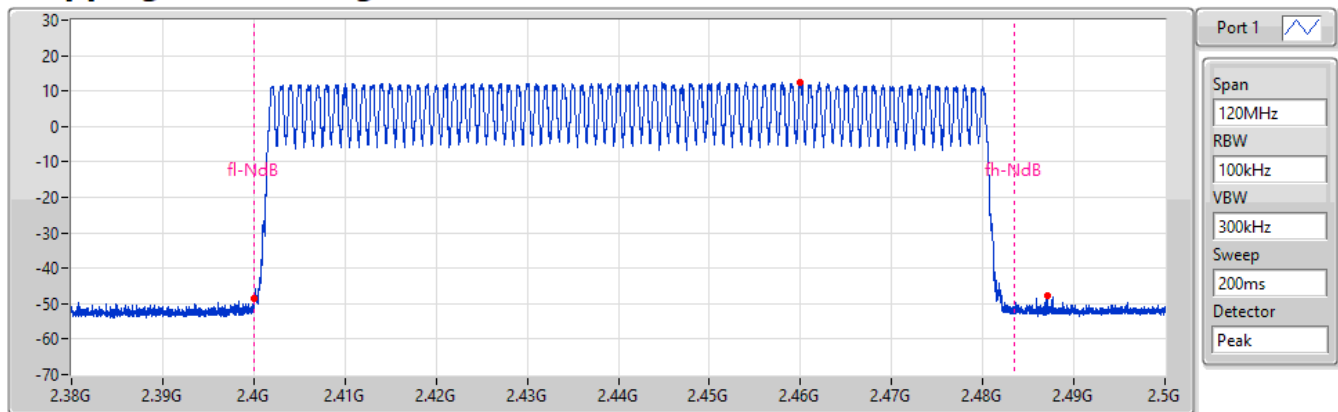
Hopping No	Limit
79	15

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

01/12/2021



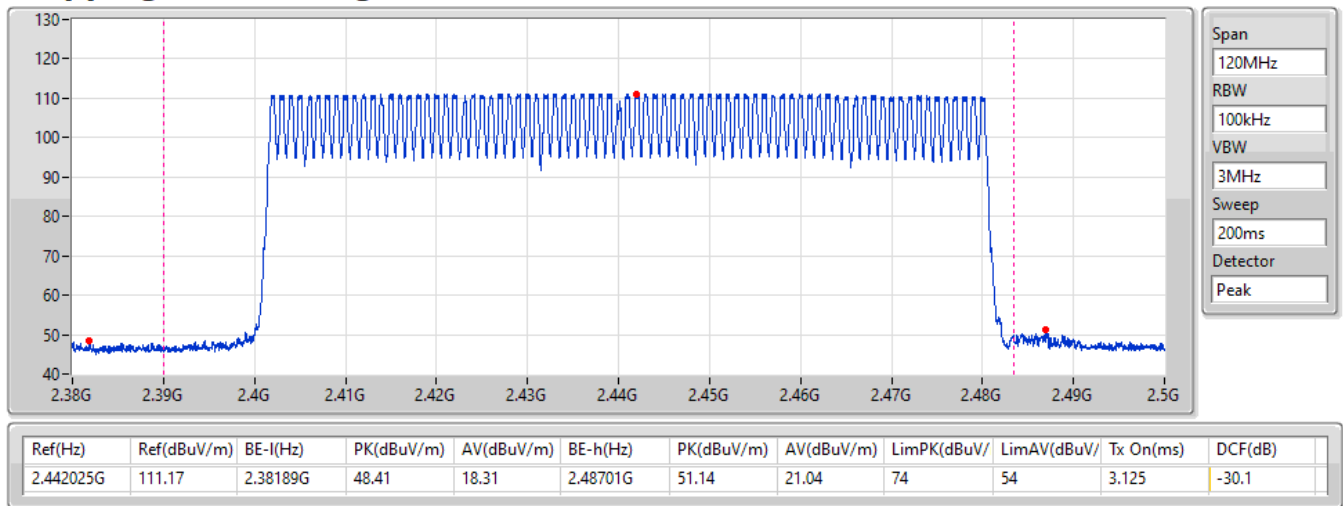
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-7.64	2.460025G	12.36	2.39998G	-48.52	2.48704G	-47.87

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

01/12/2021

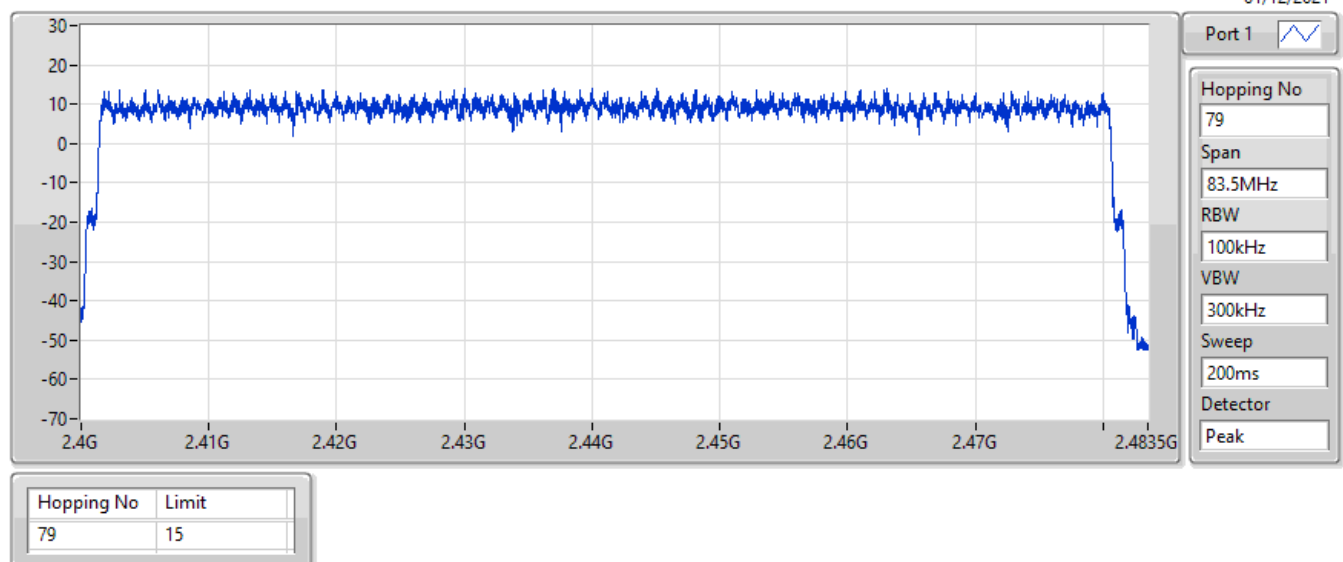


BT-EDR(2Mbps)

2440MHz

Hopping-FS

01/12/2021

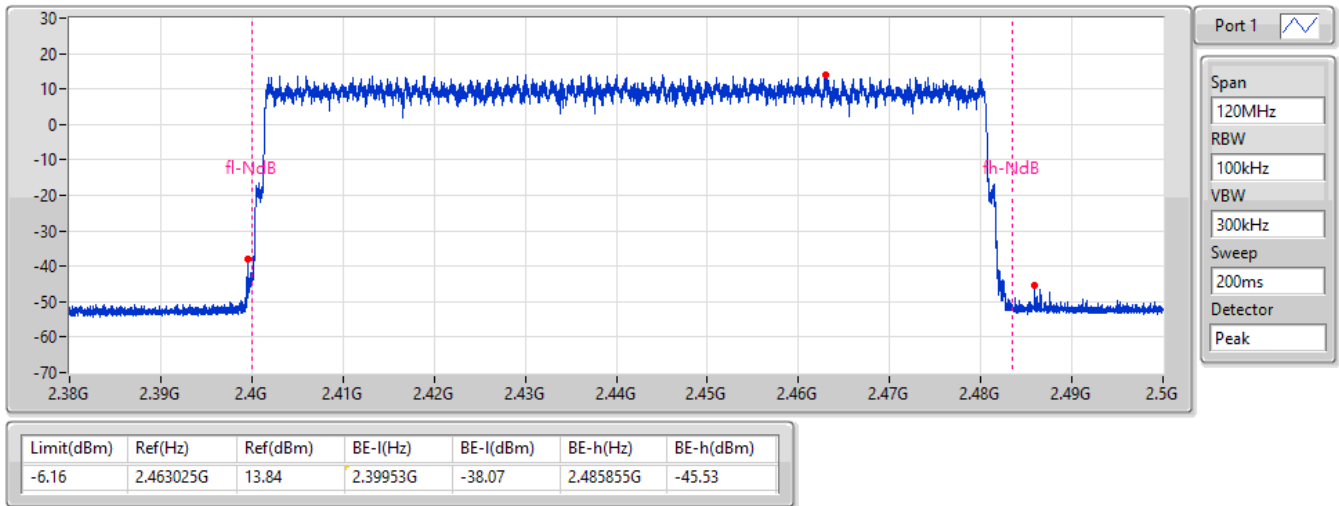


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

01/12/2021

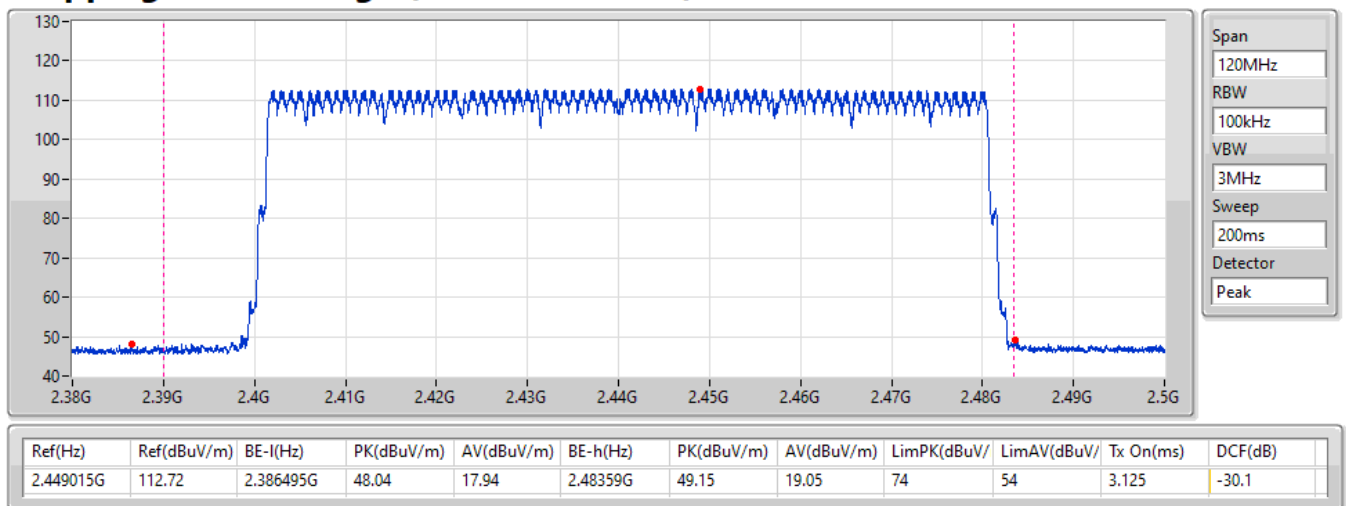


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

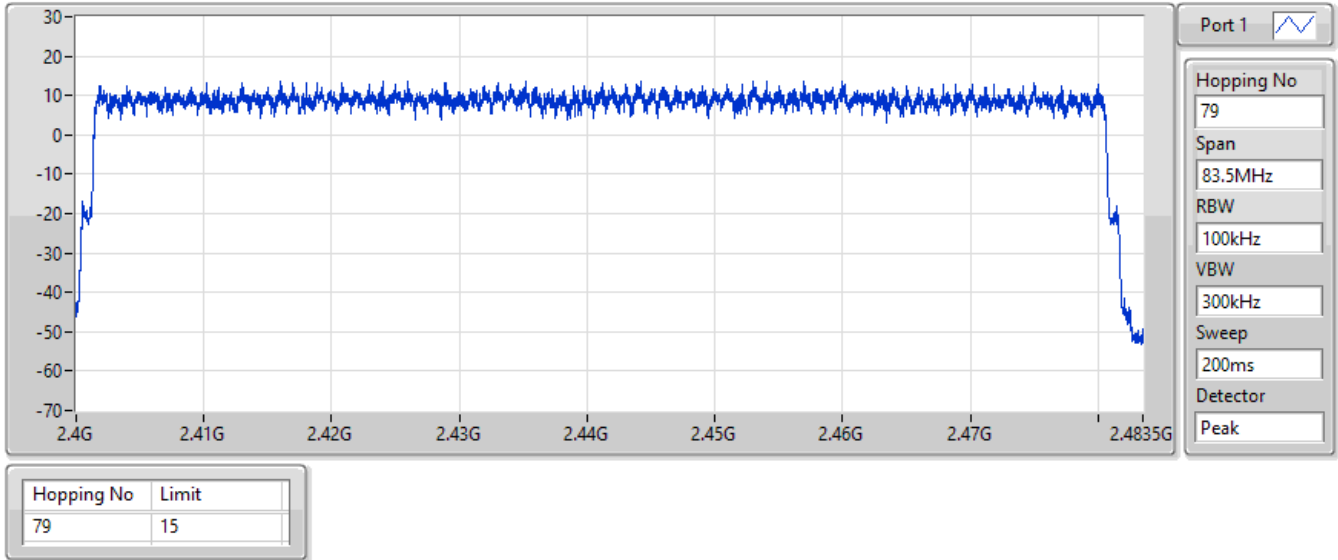
01/12/2021



BT-EDR(3Mbps) 2440MHz

Hopping-FS

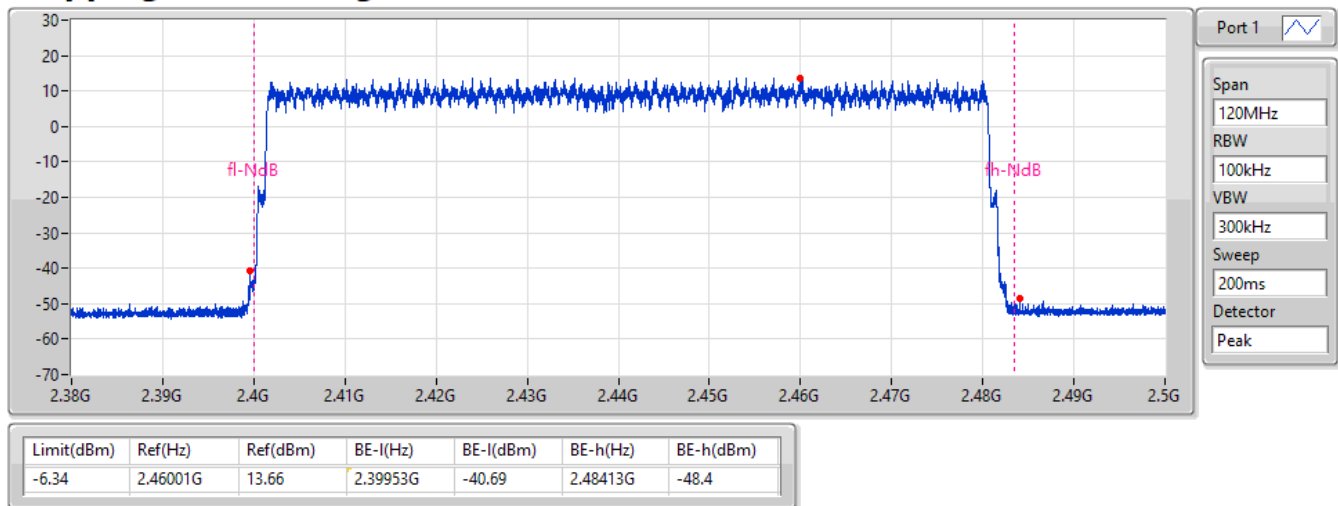
01/12/2021



BT-EDR(3Mbps) 2440MHz

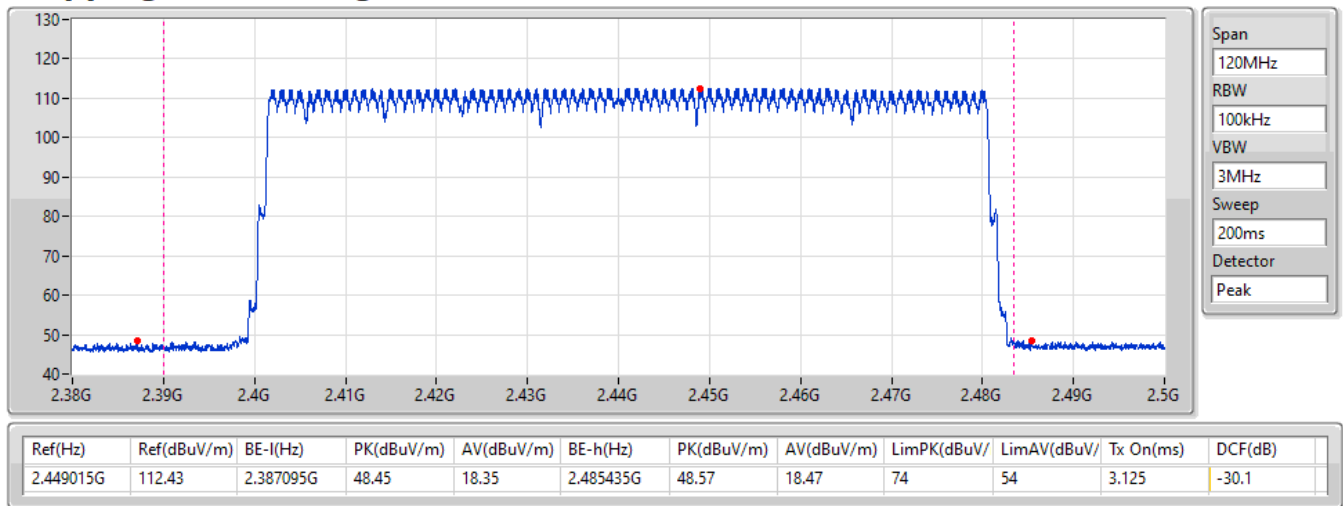
Hopping Ch Bandedge (Non-restricted Band)

01/12/2021



BT-EDR(3Mbps)**2440MHz****Hopping Ch Bandedge (Restricted Band)**

01/12/2021





Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	308.2872m_DH5
BT-EDR(2Mbps)	309.11335m_DH5
BT-EDR(3Mbps)	309.59305m_DH5

Result

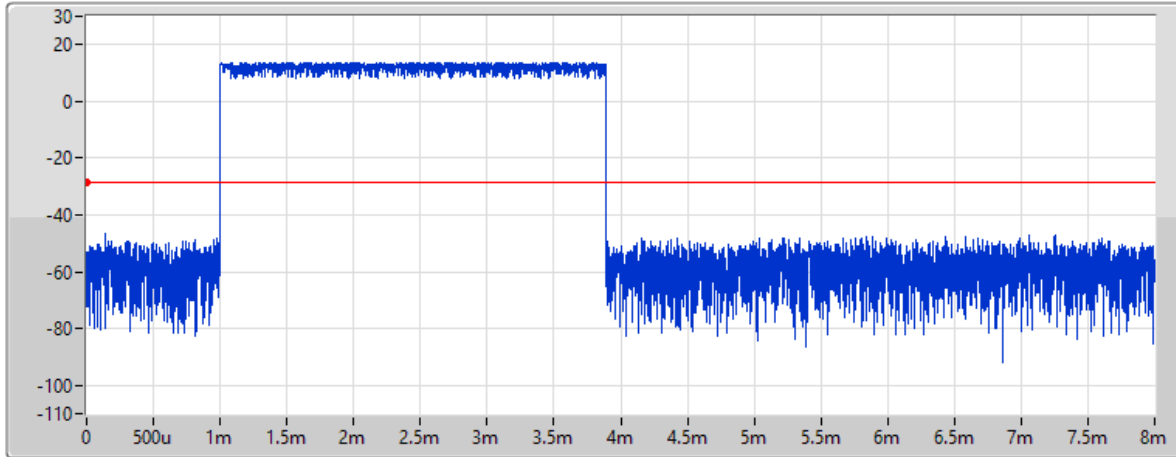
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.2872m_DH5	400m	2.892m
2440MHz	Pass	8	154.0903m_DH5-AFH	400m	2.891m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.11335m_DH5	400m	2.89975m
2440MHz	Pass	8	154.54335m_DH5-AFH	400m	2.8995m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.59305m_DH5	400m	2.90425m
2440MHz	Pass	8	154.769875m_DH5-AFH	400m	2.90375m

BT-BR(1Mbps)

2440MHz

Dwell-FS

01/12/2021


Port 1 
Ch Freq
2.44GHz
RBW
300kHz
VBW
1MHz
Sweep Time
8ms
TX Time
2.892ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.2872m_DH5	400m	2.892m

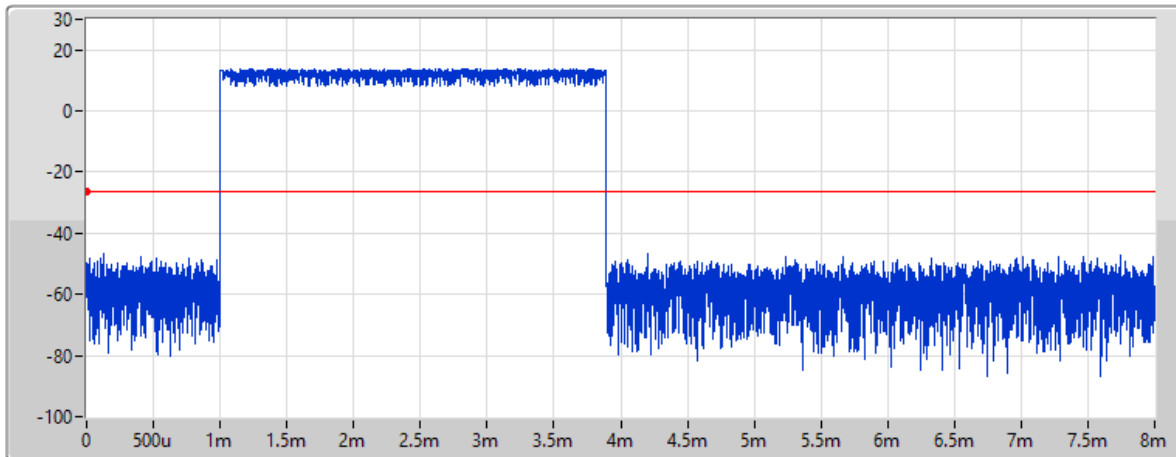
DH5

BT-BR(1Mbps)

2440MHz

Dwell-FS

01/12/2021


Port 1 
Ch Freq
2.44GHz
RBW
300kHz
VBW
1MHz
Sweep Time
8ms
TX Time
2.891ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.0903m_DH5-AFH	400m	2.891m

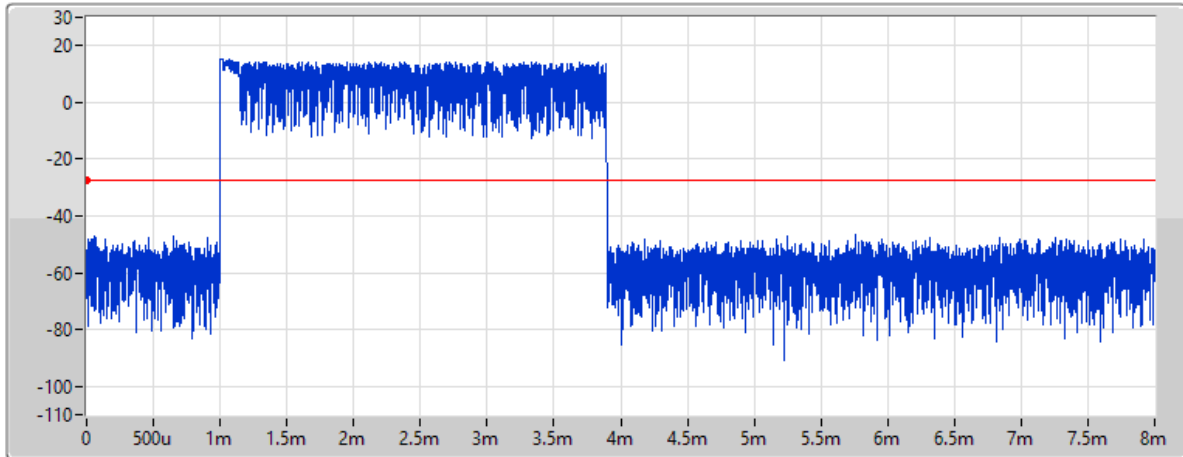
DH5-AFH

BT-EDR(2Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1	
Ch Freq	2.44GHz
RBW	300kHz
VBW	1MHz
Sweep Time	8ms
TX Time	2.89975ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.11335m_DH5	400m	2.89975m

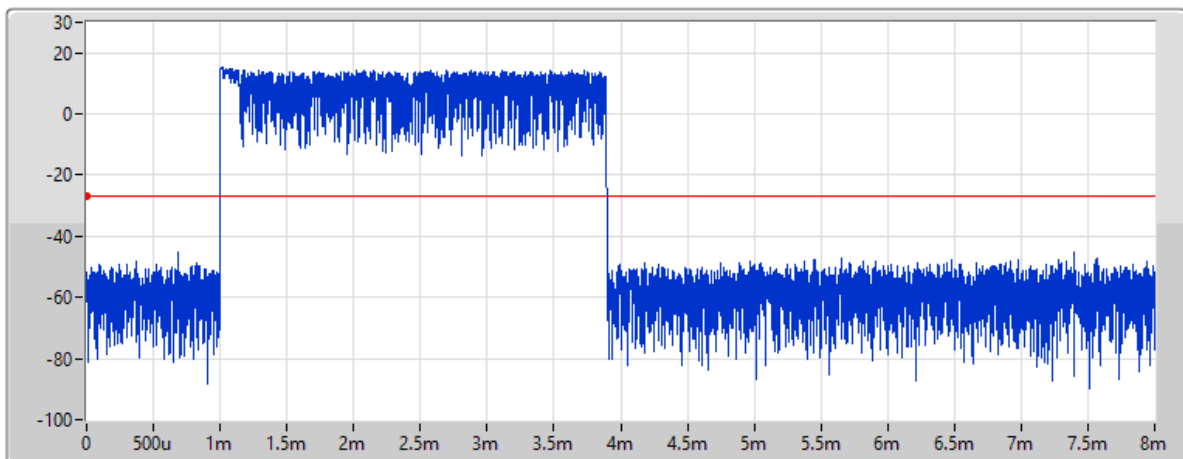
DH5

BT-EDR(2Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1	
Ch Freq	2.44GHz
RBW	300kHz
VBW	1MHz
Sweep Time	8ms
TX Time	2.8995ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.54335m_DH5-AFH	400m	2.8995m

DH5-AFH

BT-EDR(3Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1	
Ch Freq	2.44GHz
RBW	300kHz
VBW	1MHz
Sweep Time	8ms
TX Time	2.90425ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.59305m_DH5	400m	2.90425m

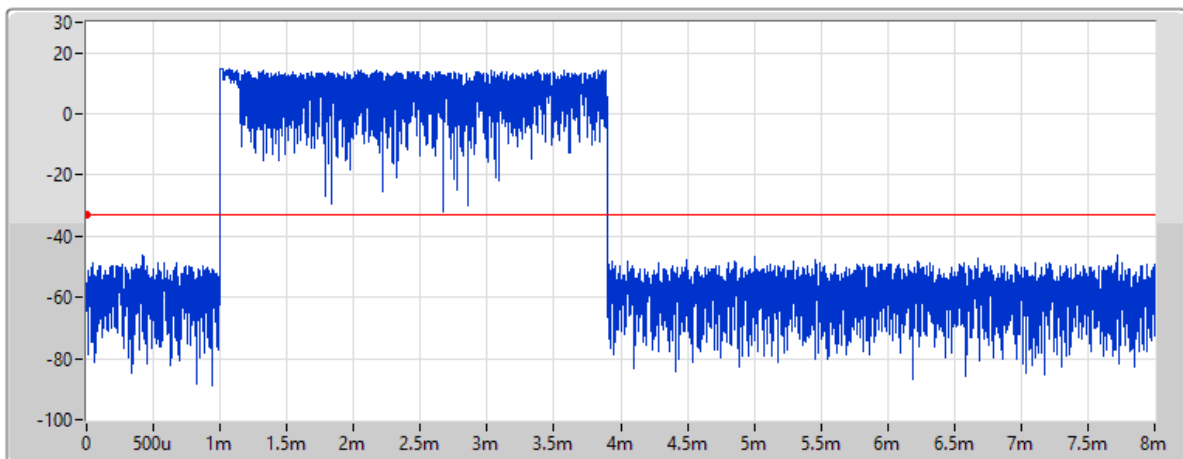
DH5

BT-EDR(3Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1	
Ch Freq	2.44GHz
RBW	300kHz
VBW	1MHz
Sweep Time	8ms
TX Time	2.90375ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.769875m_DH5-AF1	400m	2.90375m

DH5-AFH



Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	308.2872m_DH5
BT-EDR(2Mbps)	309.11335m_DH5
BT-EDR(3Mbps)	309.59305m_DH5

Result

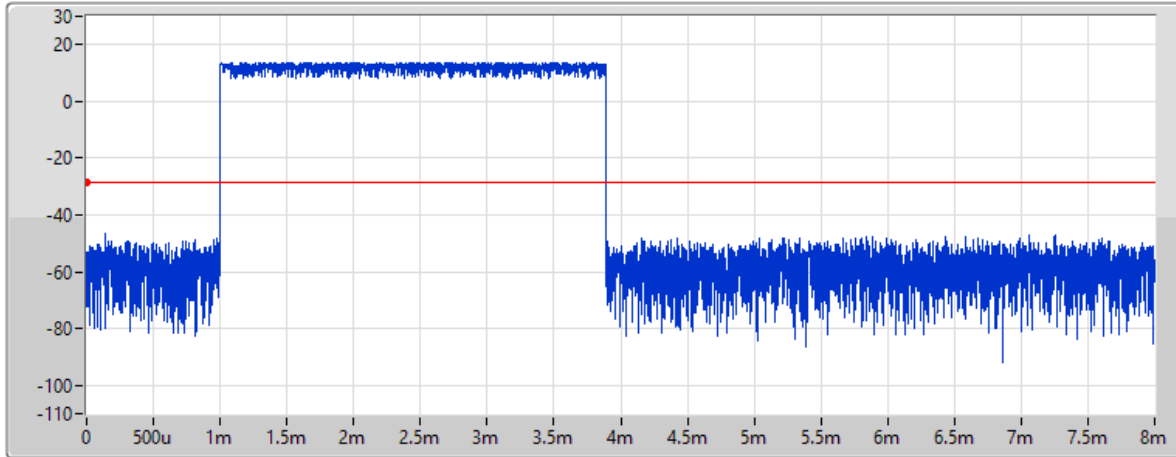
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.2872m_DH5	400m	2.892m
2440MHz	Pass	8	154.0903m_DH5-AFH	400m	2.891m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.11335m_DH5	400m	2.89975m
2440MHz	Pass	8	154.54335m_DH5-AFH	400m	2.8995m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.59305m_DH5	400m	2.90425m
2440MHz	Pass	8	154.769875m_DH5-AFH	400m	2.90375m

BT-BR(1Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.892ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.2872m_DH5	400m	2.892m

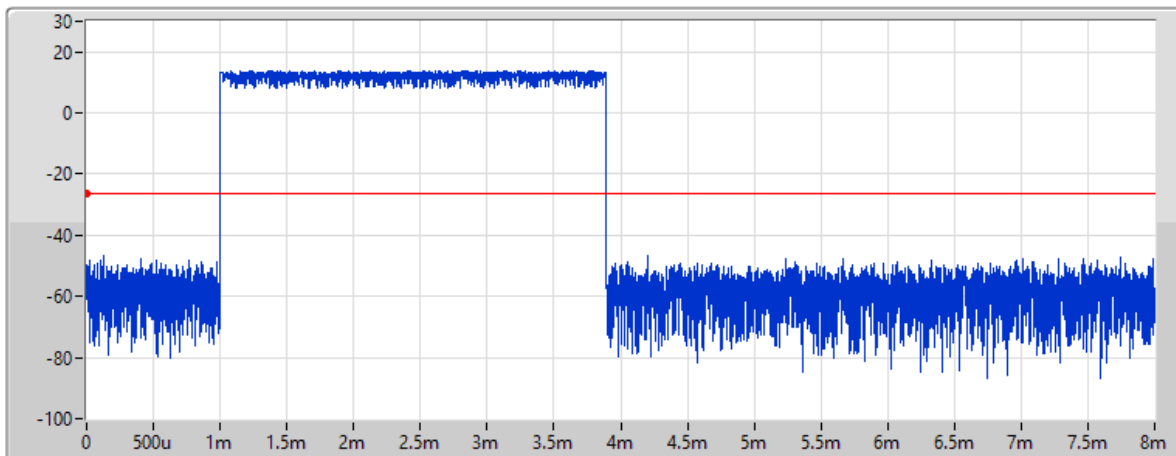
DH5

BT-BR(1Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.891ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.0903m_DH5-AFH	400m	2.891m

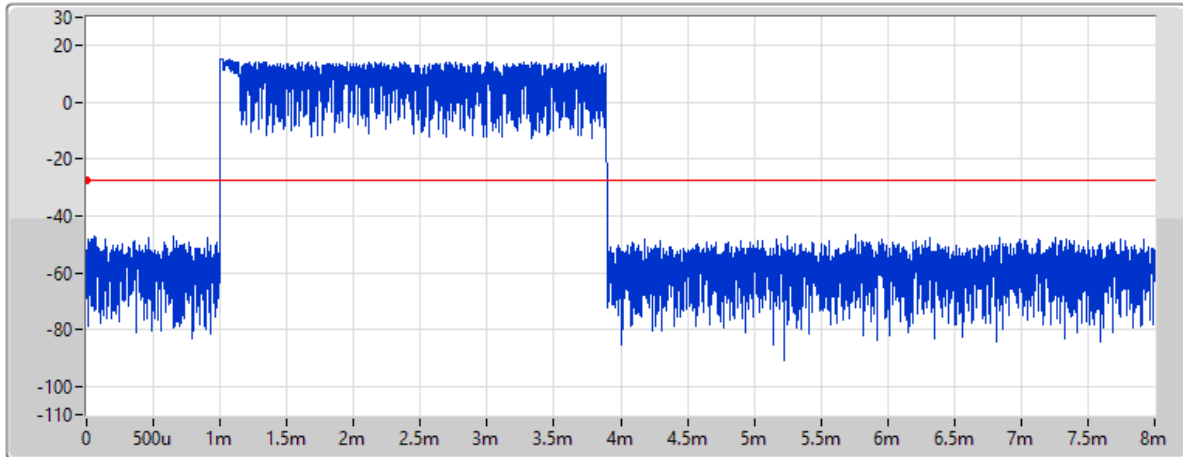
DH5-AFH

BT-EDR(2Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1	
Ch Freq	2.44GHz
RBW	300kHz
VBW	1MHz
Sweep Time	8ms
TX Time	2.89975ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.11335m_DH5	400m	2.89975m

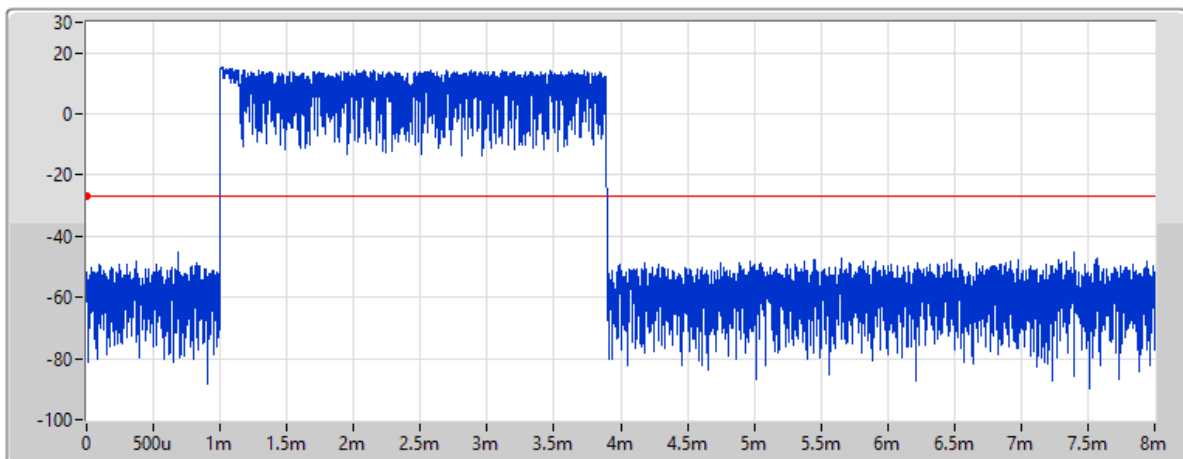
DH5

BT-EDR(2Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1	
Ch Freq	2.44GHz
RBW	300kHz
VBW	1MHz
Sweep Time	8ms
TX Time	2.8995ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.54335m_DH5-AFH	400m	2.8995m

DH5-AFH

BT-EDR(3Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1	
Ch Freq	2.44GHz
RBW	300kHz
VBW	1MHz
Sweep Time	8ms
TX Time	2.90425ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.59305m_DH5	400m	2.90425m

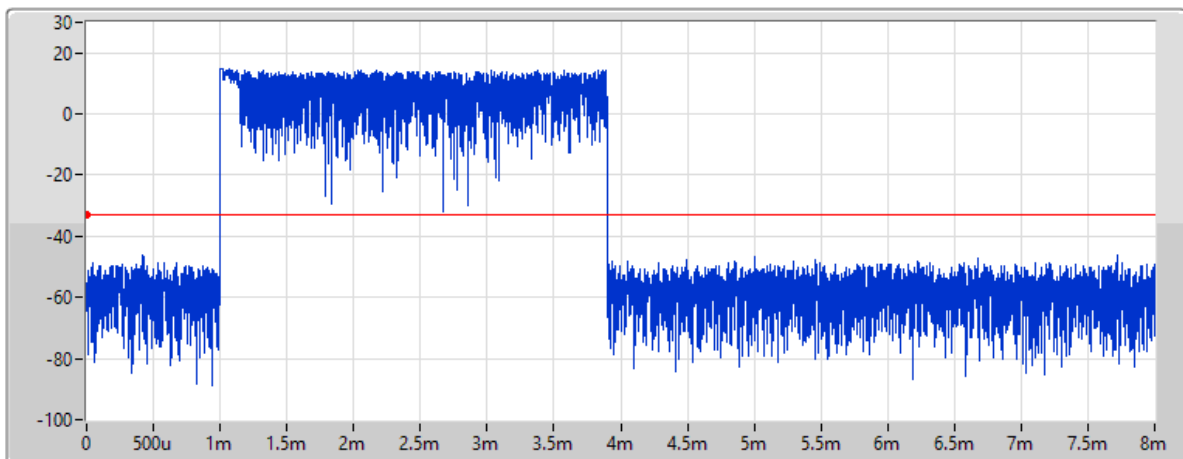
DH5

BT-EDR(3Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1	
Ch Freq	2.44GHz
RBW	300kHz
VBW	1MHz
Sweep Time	8ms
TX Time	2.90375ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.769875m_DH5-AFI	400m	2.90375m

DH5-AFH



Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	308.2872m_DH5
BT-EDR(2Mbps)	309.11335m_DH5
BT-EDR(3Mbps)	309.59305m_DH5

Result

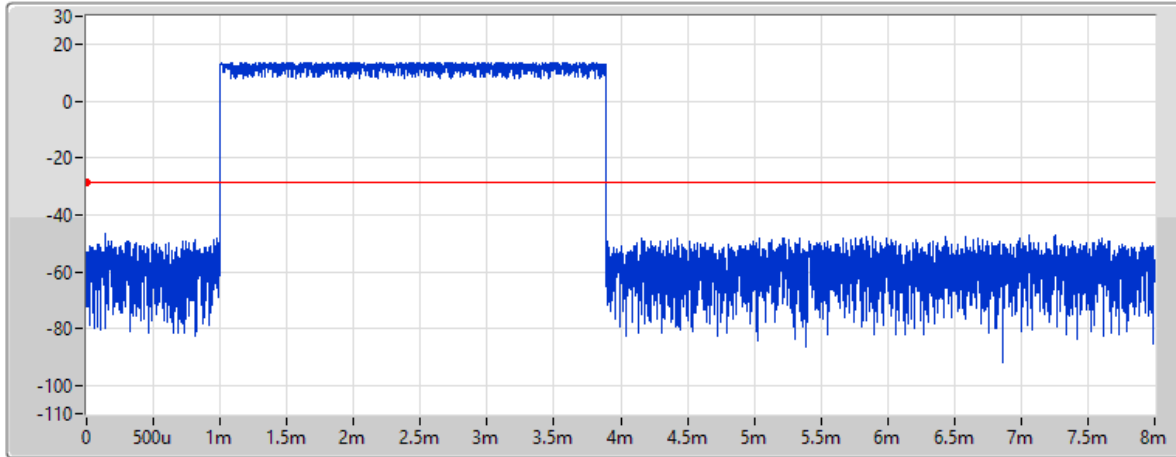
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.2872m_DH5	400m	2.892m
2440MHz	Pass	8	154.0903m_DH5-AFH	400m	2.891m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.11335m_DH5	400m	2.89975m
2440MHz	Pass	8	154.54335m_DH5-AFH	400m	2.8995m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.59305m_DH5	400m	2.90425m
2440MHz	Pass	8	154.769875m_DH5-AFH	400m	2.90375m

BT-BR(1Mbps)

2440MHz

Dwell-FS

01/12/2021


Port 1 
Ch Freq
2.44GHz
RBW
300kHz
VBW
1MHz
Sweep Time
8ms
TX Time
2.892ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.2872m_DH5	400m	2.892m

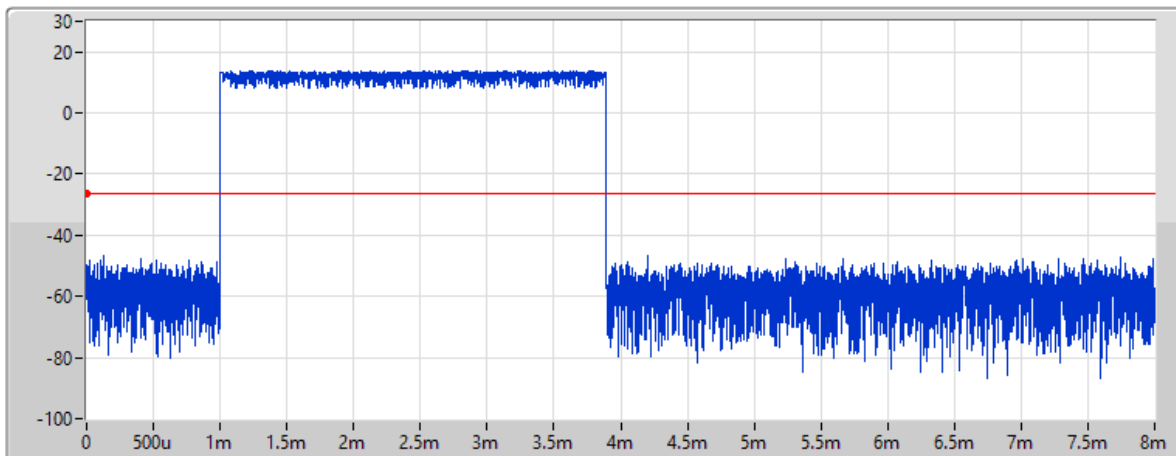
DH5

BT-BR(1Mbps)

2440MHz

Dwell-FS

01/12/2021

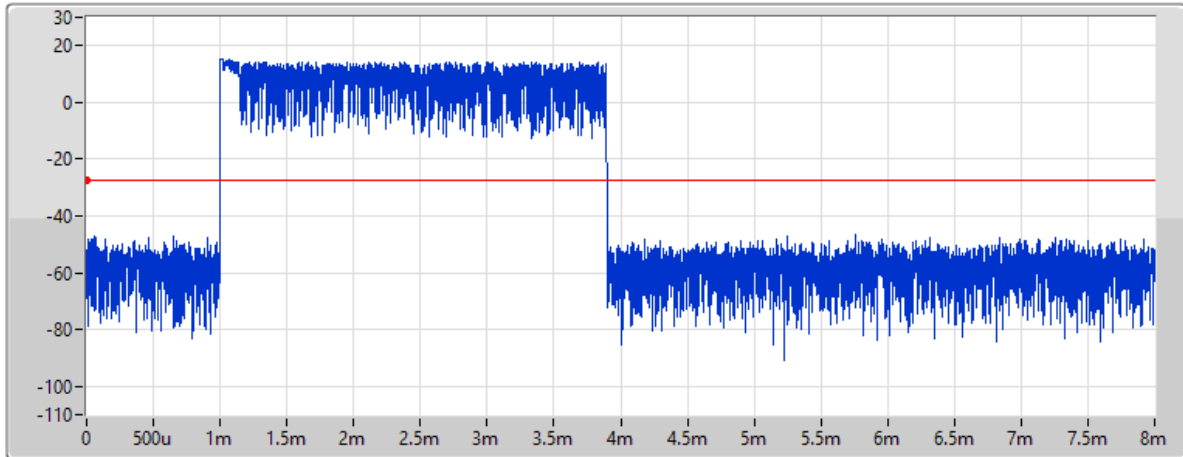

Port 1 
Ch Freq
2.44GHz
RBW
300kHz
VBW
1MHz
Sweep Time
8ms
TX Time
2.891ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.0903m_DH5-AFH	400m	2.891m

DH5-AFH

BT-EDR(2Mbps)

2440MHz



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.89975ms

01/12/2021

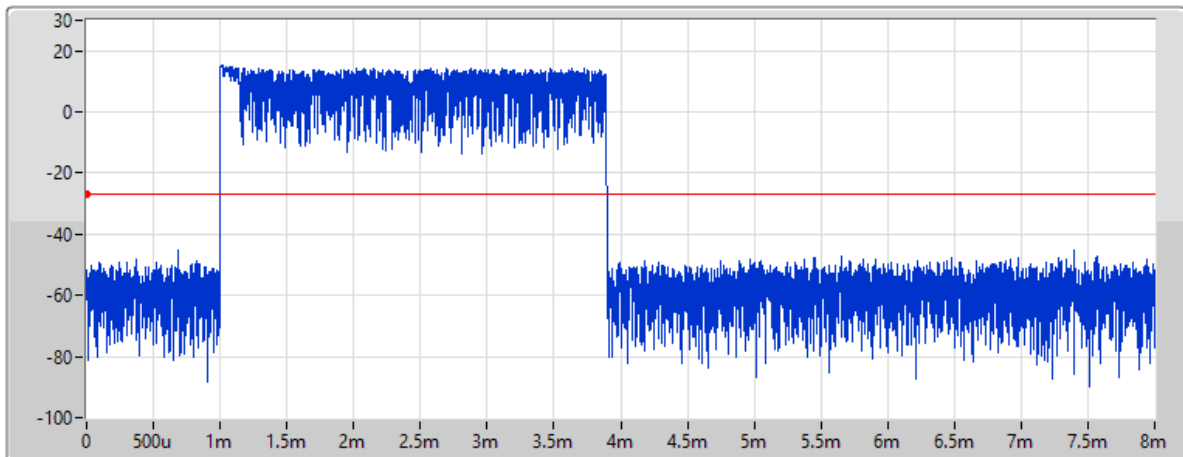
Dwell-FS

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.11335m_DH5	400m	2.89975m

DH5

BT-EDR(2Mbps)

2440MHz



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.8995ms

01/12/2021

Dwell-FS

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.54335m_DH5-AFH	400m	2.8995m

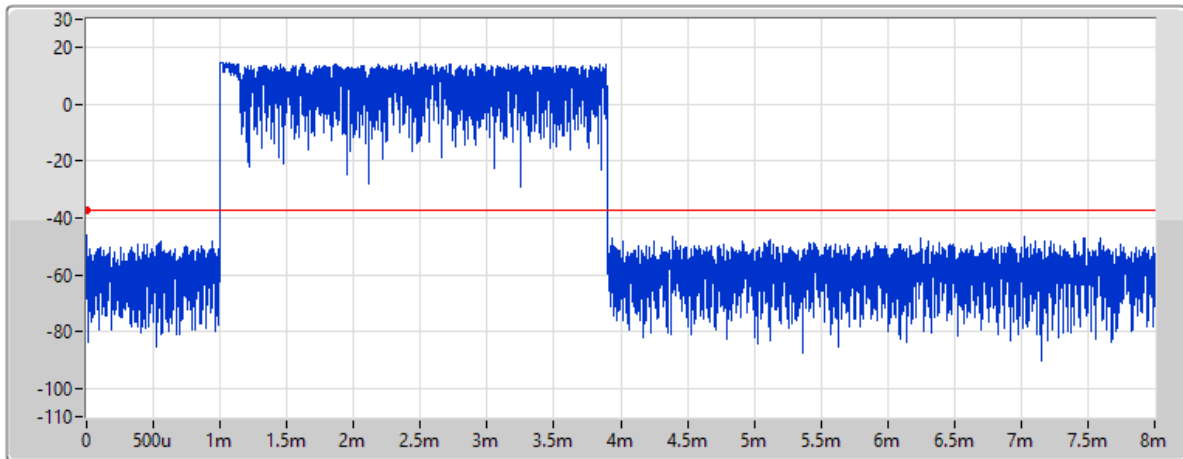
DH5-AFH

BT-EDR(3Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1	
Ch Freq	2.44GHz
RBW	300kHz
VBW	1MHz
Sweep Time	8ms
TX Time	2.90425ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.59305m_DH5	400m	2.90425m

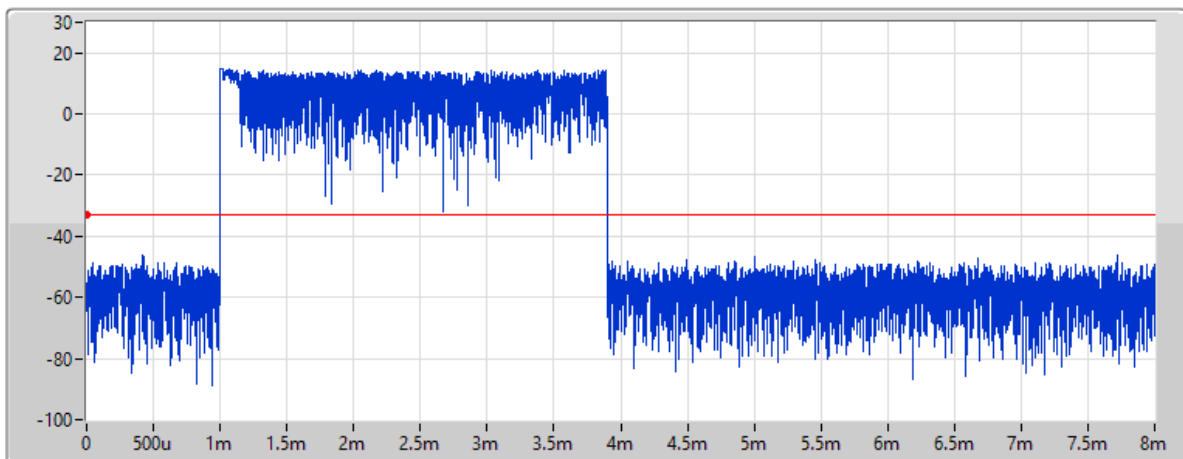
DH5

BT-EDR(3Mbps)

2440MHz

Dwell-FS

01/12/2021



Port 1	
Ch Freq	2.44GHz
RBW	300kHz
VBW	1MHz
Sweep Time	8ms
TX Time	2.90375ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.769875m_DH5-AFI	400m	2.90375m

DH5-AFH



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.48003G	11.90	-8.10	159.84M	-36.38	2.39995G	-51.28	2.4835G	-52.46	2.48393G	-49.38	16.61724G	-41.00	1
BT-EDR(2Mbps)	Pass	2.47987G	10.66	-9.34	159.84M	-35.39	2.39591G	-50.63	2.4835G	-52.93	2.48369G	-48.54	24.65412G	-42.04	1
BT-EDR(3Mbps)	Pass	2.48003G	9.09	-10.91	159.84M	-38.31	2.39452G	-52.06	2.4835G	-52.46	2.48371G	-50.95	16.28542G	-41.75	1

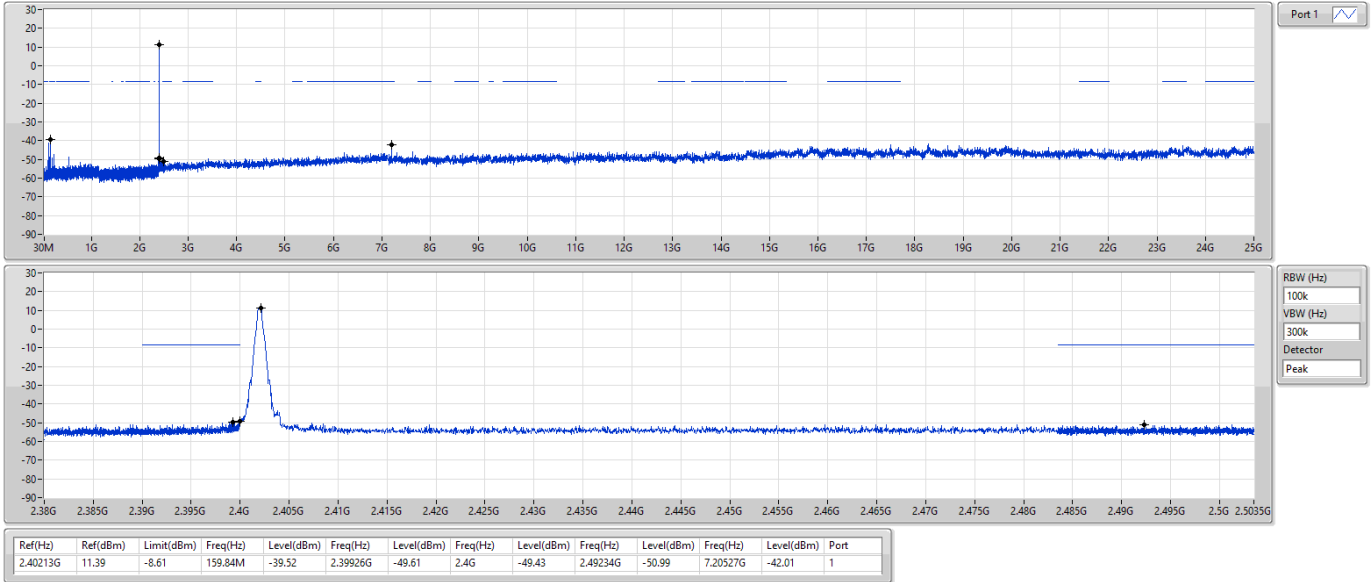
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40213G	11.39	-8.61	159.84M	-39.52	2.39926G	-49.61	2.4G	-49.43	2.49234G	-50.99	7.20527G	-42.01	1
2440MHz	Pass	2.44004G	12.00	-8.00	159.84M	-39.85	2.39489G	-51.67	2.4835G	-53.07	2.49533G	-50.60	24.96063G	-43.32	1
2480MHz	Pass	2.48003G	11.90	-8.10	159.84M	-36.38	2.39995G	-51.28	2.4835G	-52.46	2.48393G	-49.38	16.61724G	-41.00	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	13.12	-6.88	159.84M	-39.93	2.39988G	-43.71	2.4G	-44.09	2.49362G	-50.14	7.20527G	-41.41	1
2440MHz	Pass	2.44G	12.38	-7.62	159.84M	-40.15	2.39875G	-51.74	2.4G	-53.24	2.48449G	-50.49	16.60881G	-42.60	1
2480MHz	Pass	2.47987G	10.66	-9.34	159.84M	-35.39	2.39591G	-50.63	2.4835G	-52.93	2.48369G	-48.54	24.65412G	-42.04	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	9.42	-10.58	159.84M	-39.32	2.4G	-48.08	2.4G	-47.75	2.49598G	-50.68	24.97188G	-42.43	1
2440MHz	Pass	2.43987G	9.89	-10.11	159.84M	-40.69	2.39443G	-51.84	2.4835G	-54.61	2.48791G	-51.32	16.24605G	-43.17	1
2480MHz	Pass	2.48003G	9.09	-10.91	159.84M	-38.31	2.39452G	-52.06	2.4835G	-52.46	2.48371G	-50.95	16.28542G	-41.75	1

BT-BR(1Mbps)

CSENdB-FS

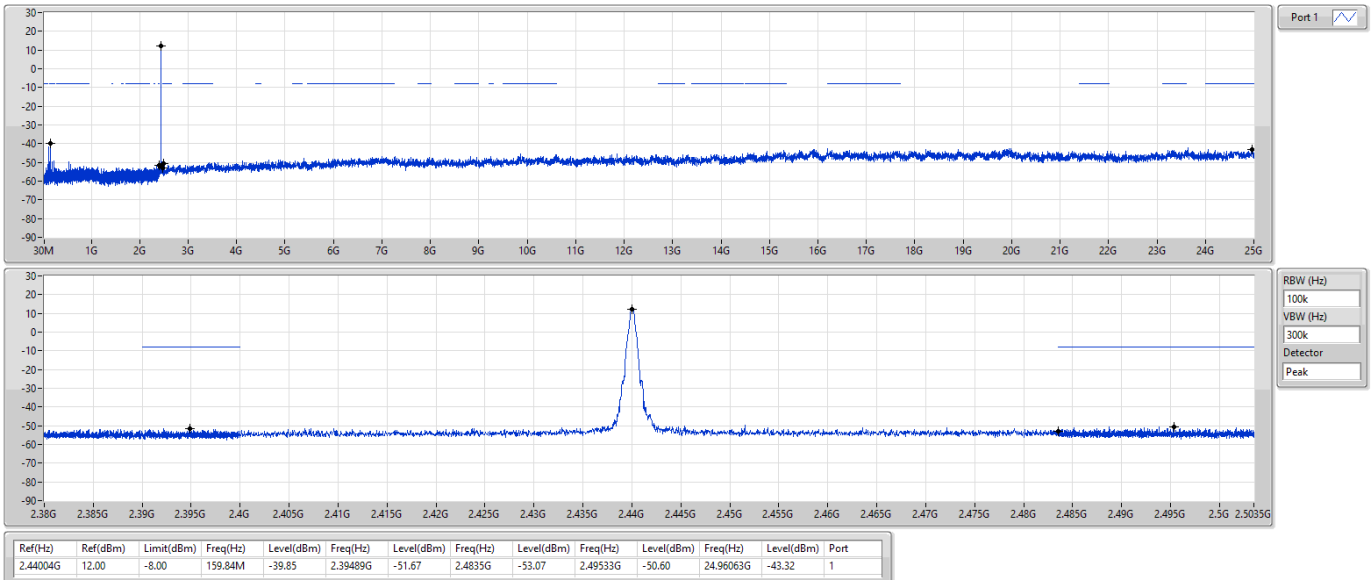
2402MHz



BT-BR(1Mbps)

CSENdB-FS

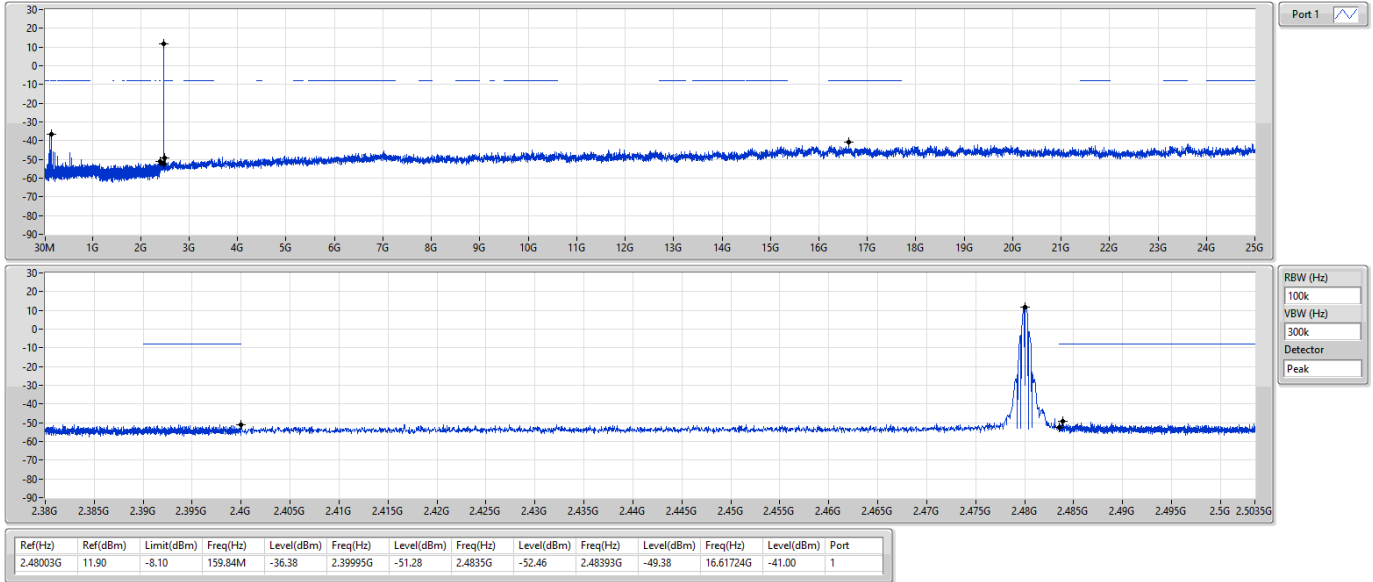
2440MHz



BT-BR(1Mbps)

CSEndB-FS

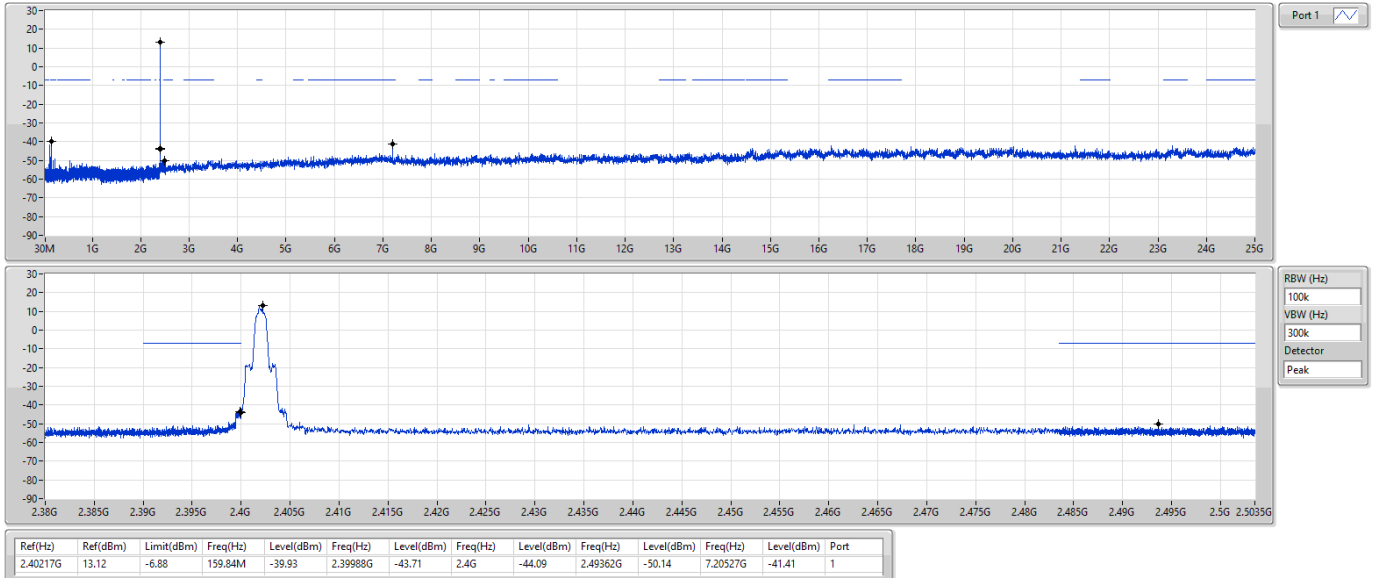
2480MHz



BT-EDR(2Mbps)

CSEndB-FS

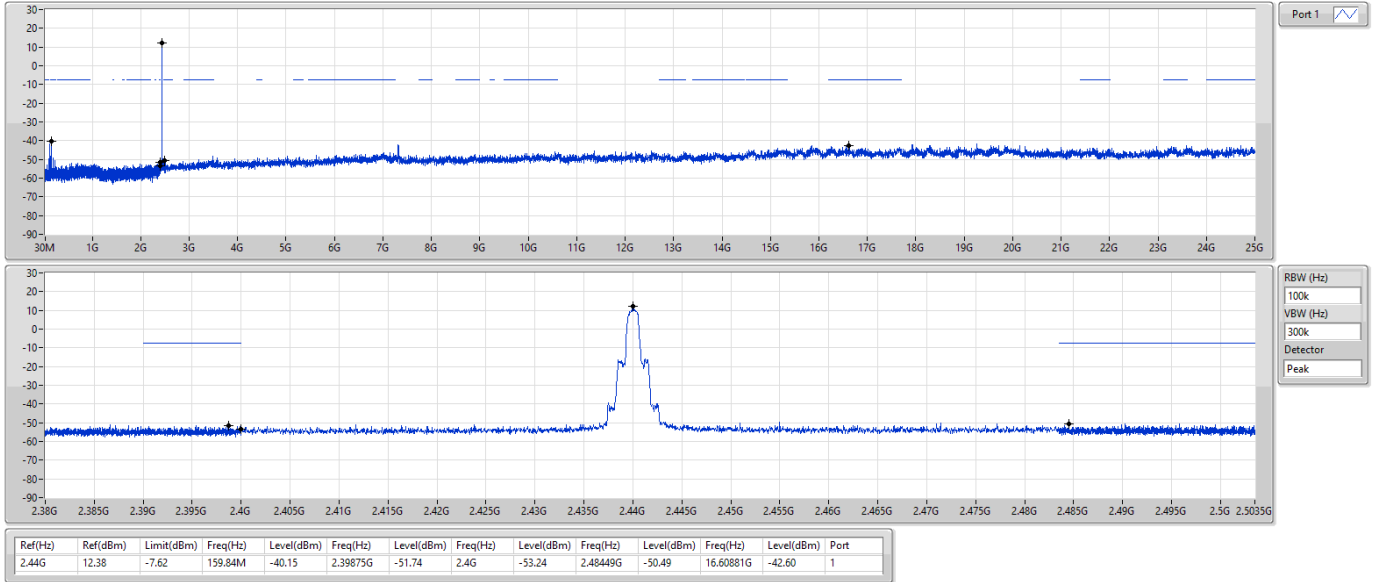
2402MHz



BT-EDR(2Mbps)

CSEndB-FS

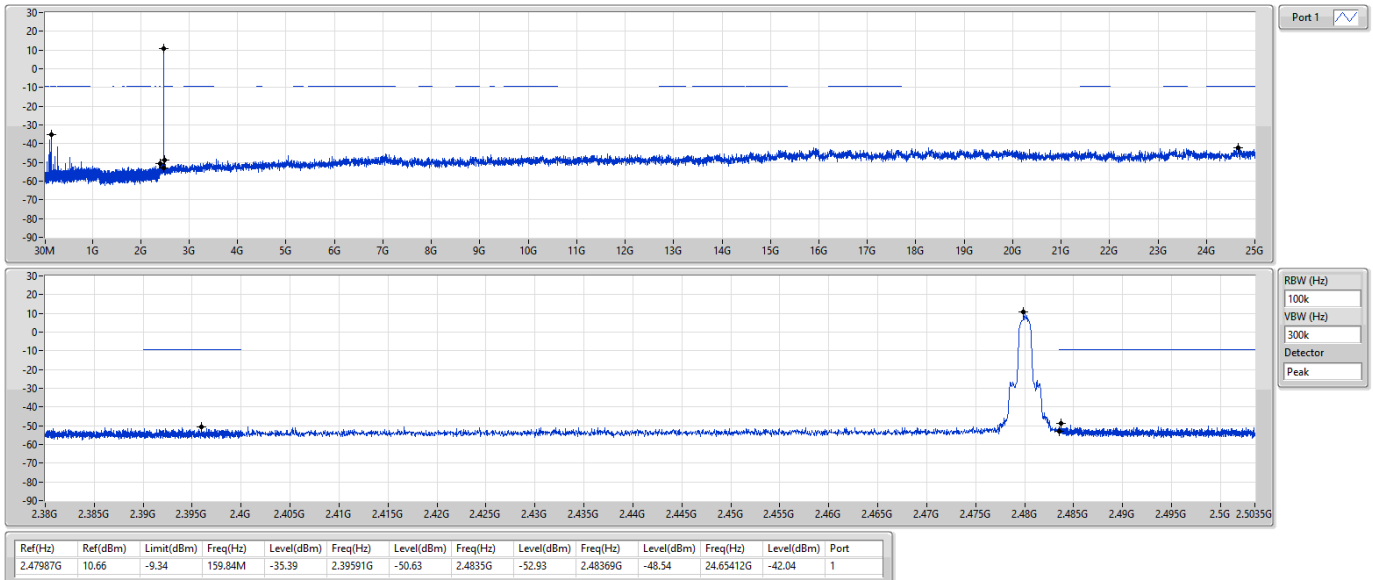
2440MHz



BT-EDR(2Mbps)

CSEndB-FS

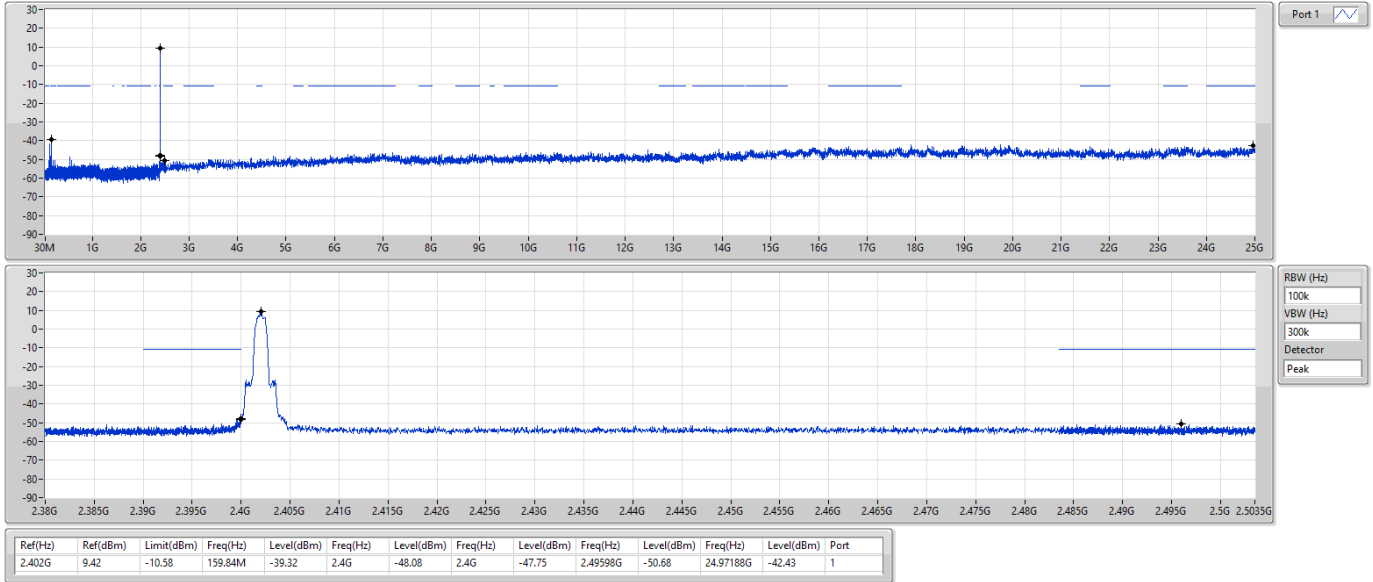
2480MHz



BT-EDR(3Mbps)

CSEndB-FS

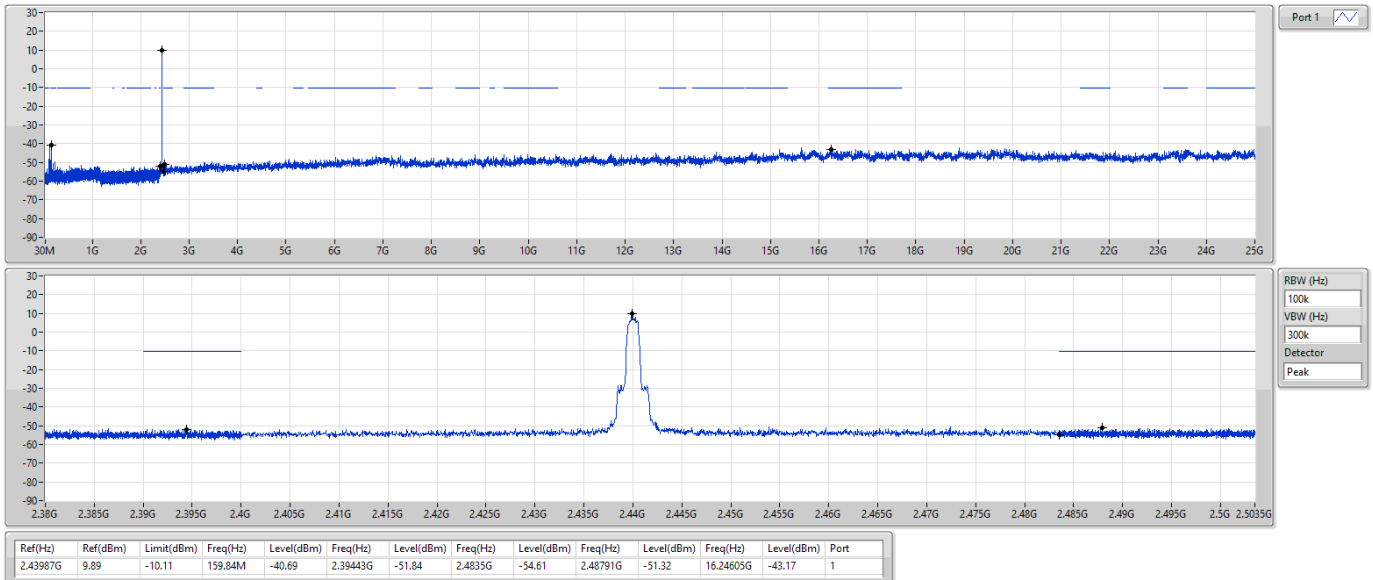
2402MHz



BT-EDR(3Mbps)

CSEndB-FS

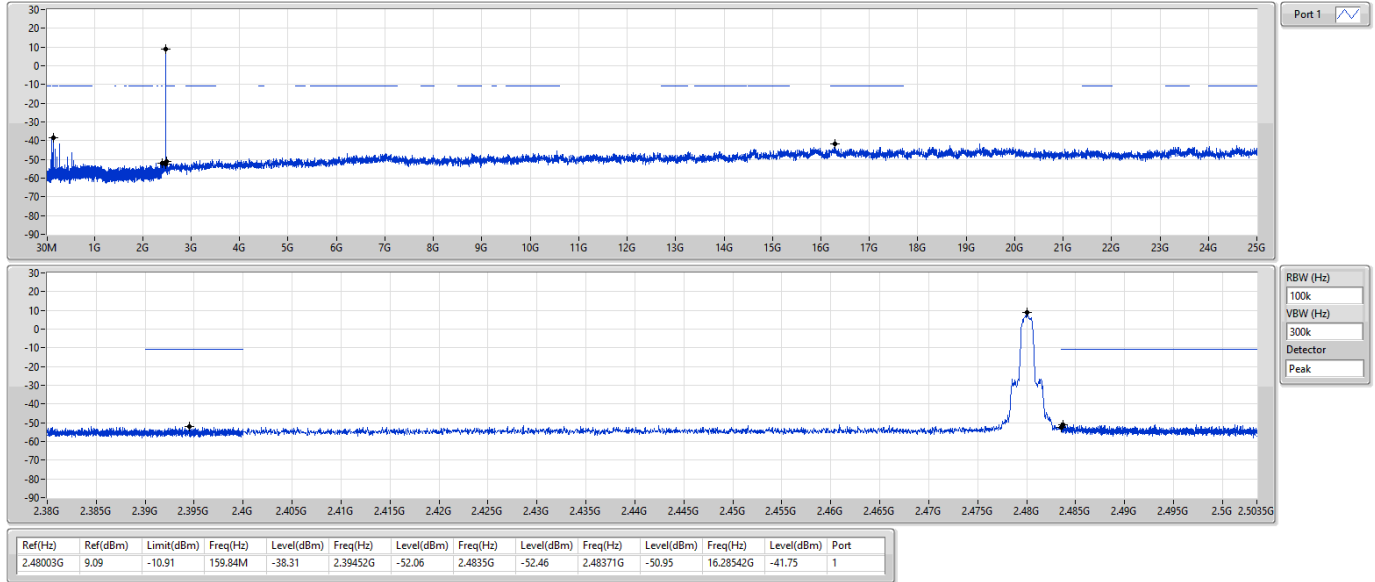
2440MHz



BT-EDR(3Mbps)

CSEndB-FS

2480MHz



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.48003G	11.90	-8.10	159.84M	-36.38	2.39995G	-51.28	2.4835G	-52.46	2.48393G	-49.38	16.61724G	-41.00	1
BT-EDR(2Mbps)	Pass	2.47987G	10.66	-9.34	159.84M	-35.39	2.39591G	-50.63	2.4835G	-52.93	2.48369G	-48.54	24.65412G	-42.04	1
BT-EDR(3Mbps)	Pass	2.48003G	9.09	-10.91	159.84M	-38.31	2.39452G	-52.06	2.4835G	-52.46	2.48371G	-50.95	16.28542G	-41.75	1

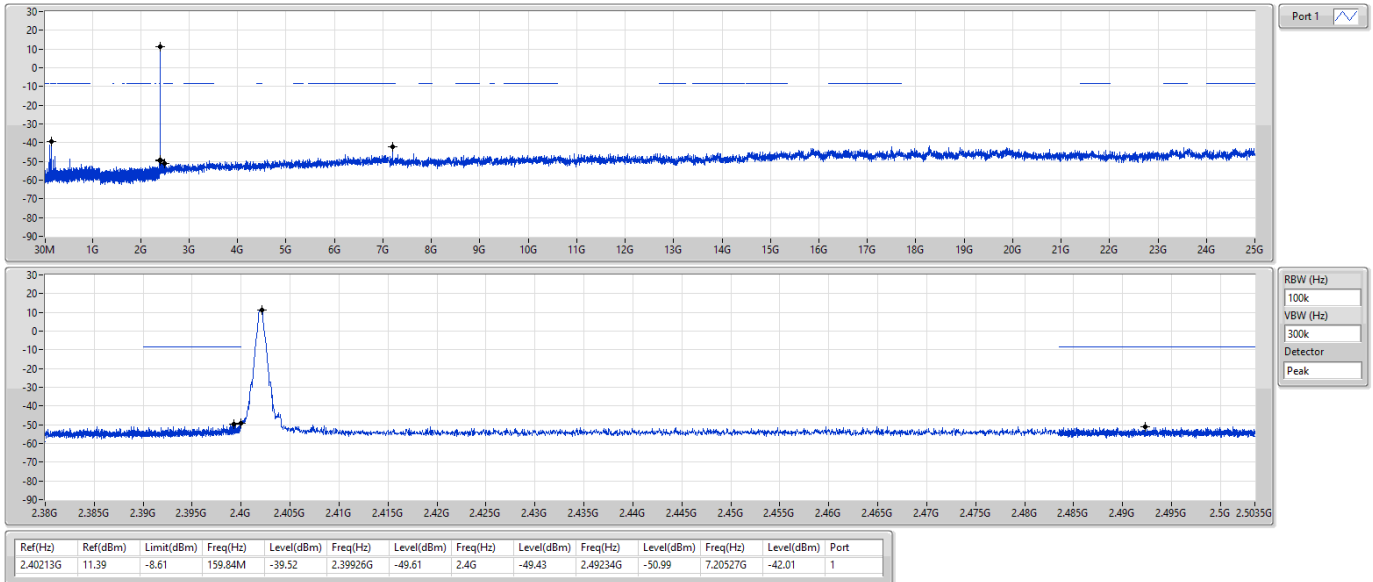
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40213G	11.39	-8.61	159.84M	-39.52	2.39926G	-49.61	2.4G	-49.43	2.49234G	-50.99	7.20527G	-42.01	1
2440MHz	Pass	2.44004G	12.00	-8.00	159.84M	-39.85	2.39489G	-51.67	2.4835G	-53.07	2.49533G	-50.60	24.96063G	-43.32	1
2480MHz	Pass	2.48003G	11.90	-8.10	159.84M	-36.38	2.39995G	-51.28	2.4835G	-52.46	2.48393G	-49.38	16.61724G	-41.00	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	13.12	-6.88	159.84M	-39.93	2.39988G	-43.71	2.4G	-44.09	2.49362G	-50.14	7.20527G	-41.41	1
2440MHz	Pass	2.44G	12.38	-7.62	159.84M	-40.15	2.39875G	-51.74	2.4G	-53.24	2.48449G	-50.49	16.60881G	-42.60	1
2480MHz	Pass	2.47987G	10.66	-9.34	159.84M	-35.39	2.39591G	-50.63	2.4835G	-52.93	2.48369G	-48.54	24.65412G	-42.04	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	9.42	-10.58	159.84M	-39.32	2.4G	-48.08	2.4G	-47.75	2.49598G	-50.68	24.97188G	-42.43	1
2440MHz	Pass	2.43987G	9.89	-10.11	159.84M	-40.69	2.39443G	-51.84	2.4835G	-54.61	2.48791G	-51.32	16.24605G	-43.17	1
2480MHz	Pass	2.48003G	9.09	-10.91	159.84M	-38.31	2.39452G	-52.06	2.4835G	-52.46	2.48371G	-50.95	16.28542G	-41.75	1

BT-BR(1Mbps)

CSENdB-FS

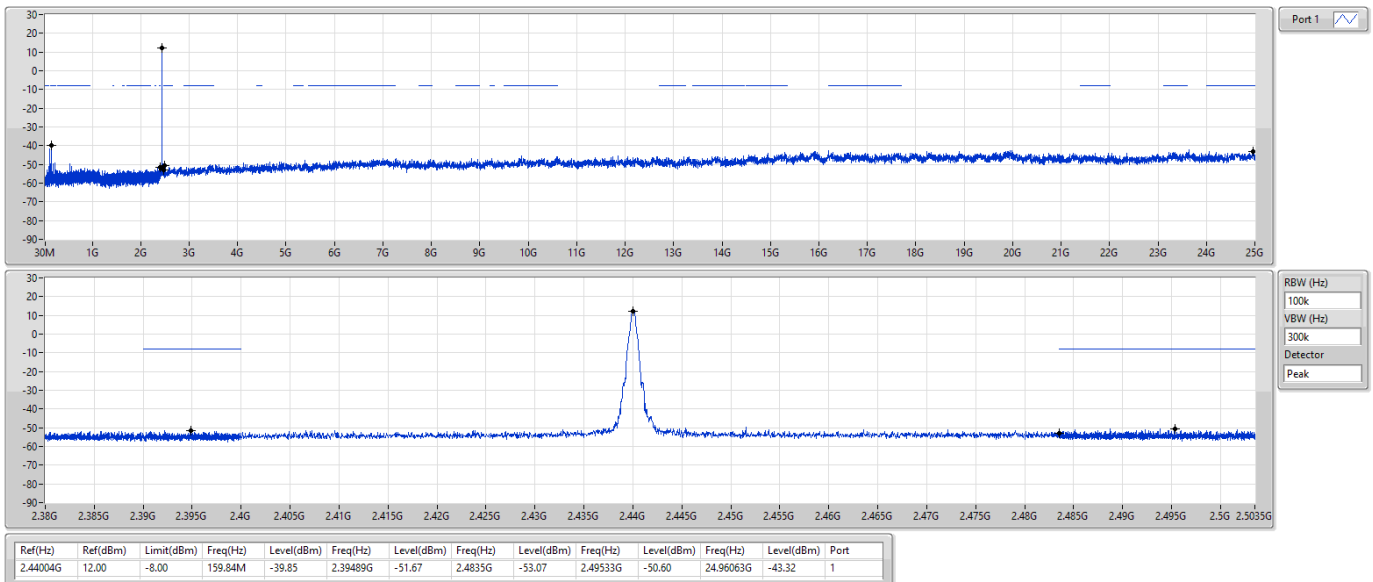
2402MHz



BT-BR(1Mbps)

CSENdB-FS

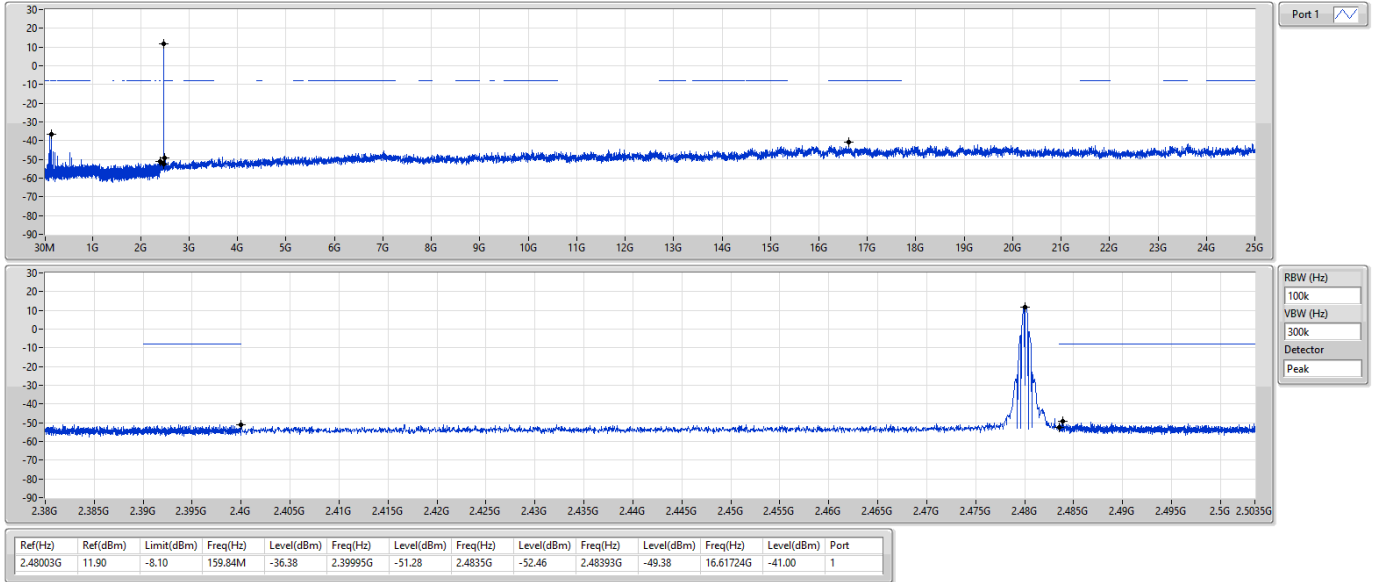
2440MHz



BT-BR(1Mbps)

CSEndB-FS

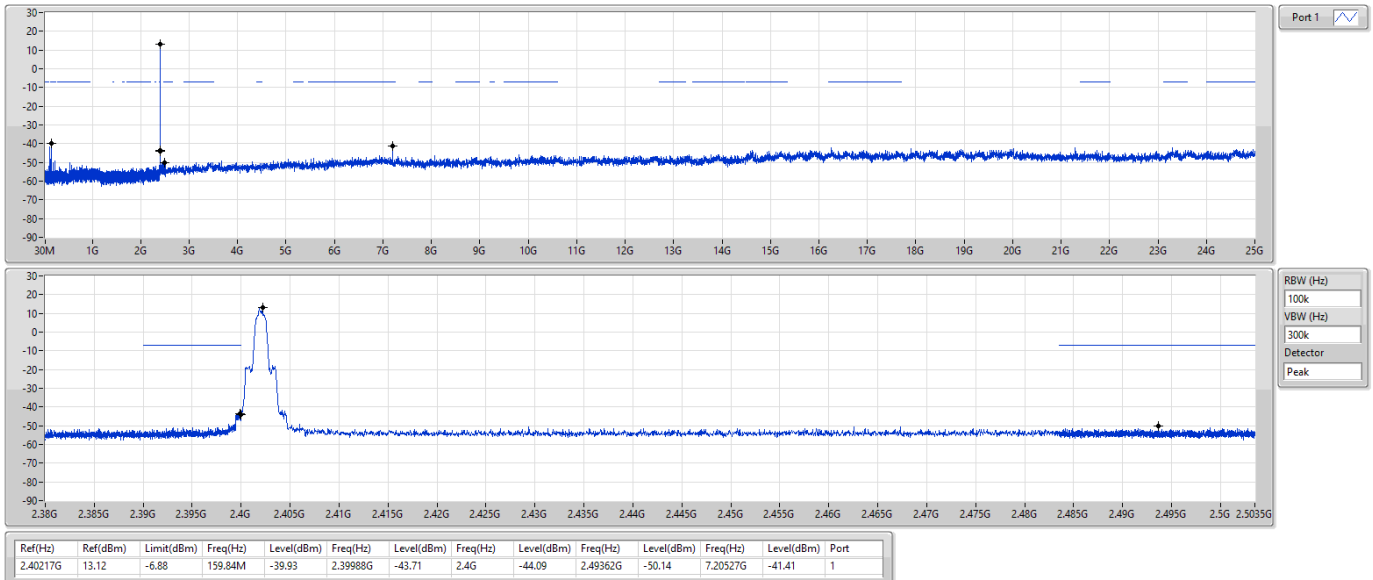
2480MHz



BT-EDR(2Mbps)

CSEndB-FS

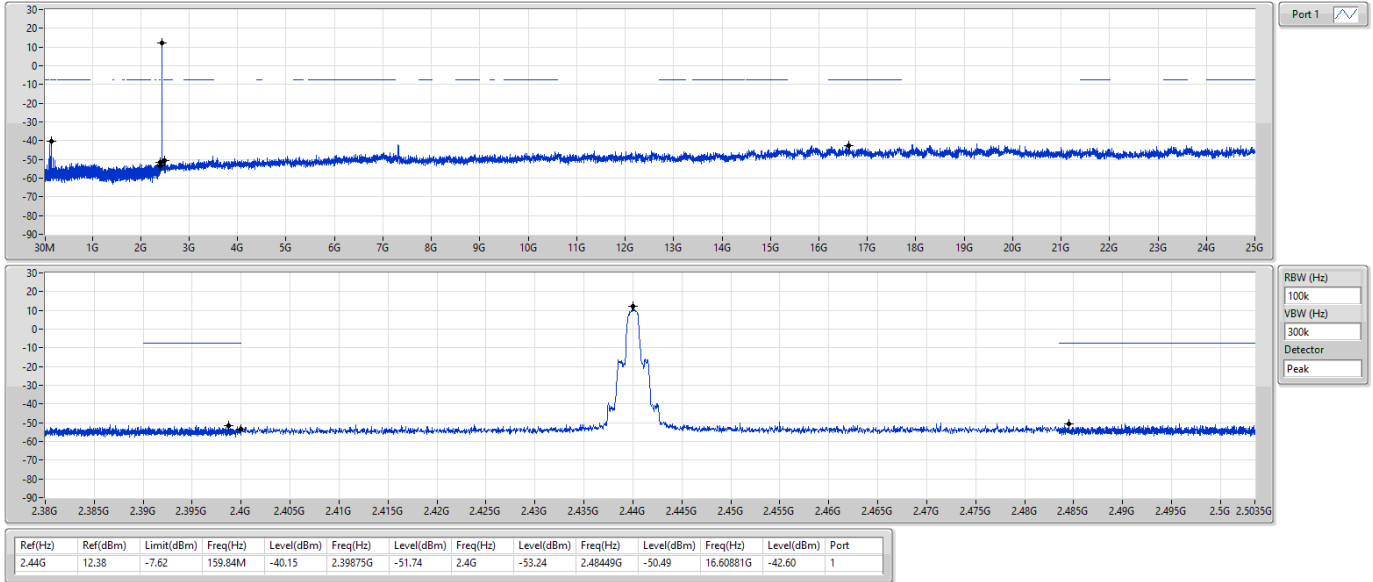
2402MHz



BT-EDR(2Mbps)

CSEndB-FS

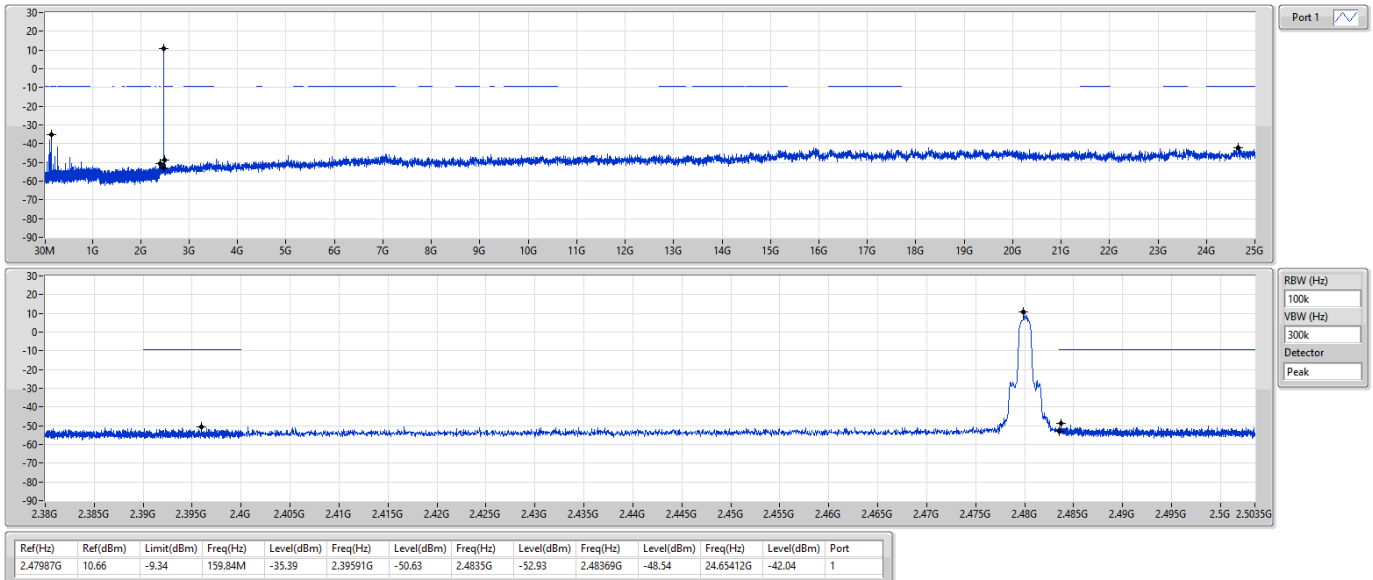
2440MHz



BT-EDR(2Mbps)

CSEndB-FS

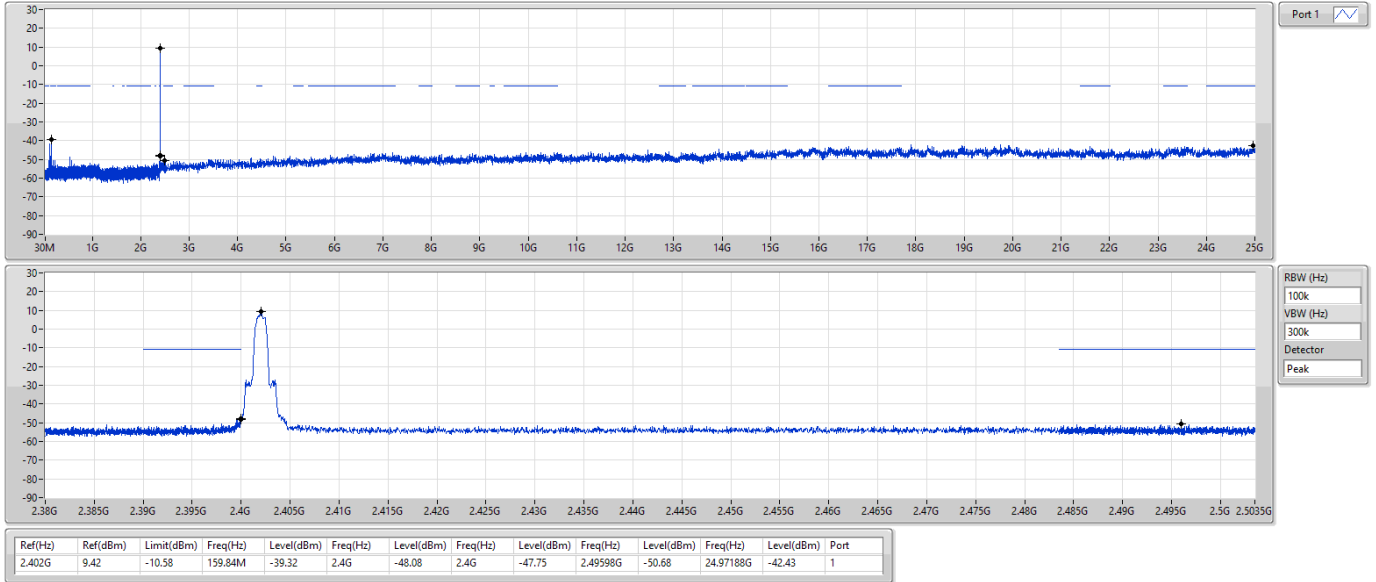
2480MHz



BT-EDR(3Mbps)

CSEndB-FS

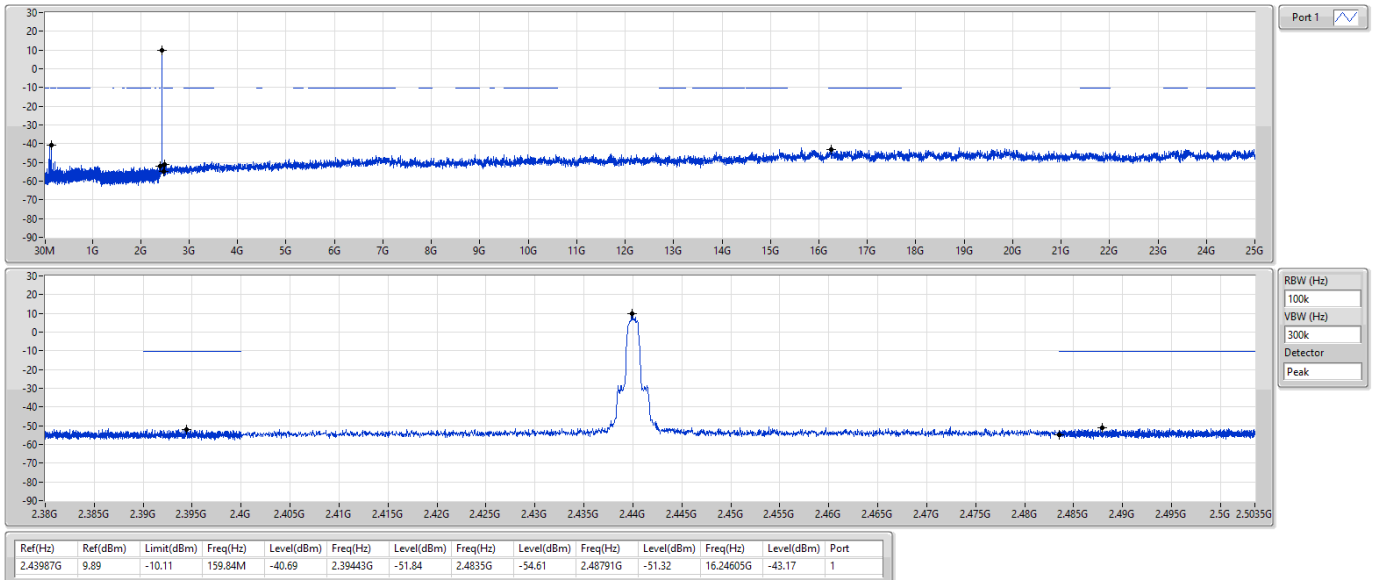
2402MHz



BT-EDR(3Mbps)

CSEndB-FS

2440MHz

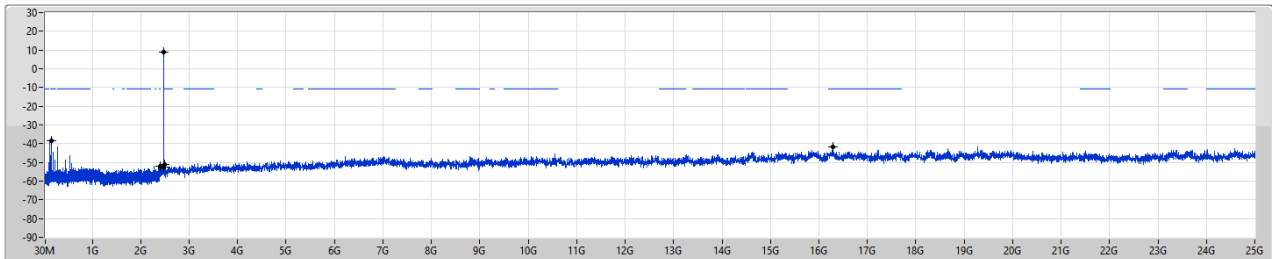


BT-EDR(3Mbps)

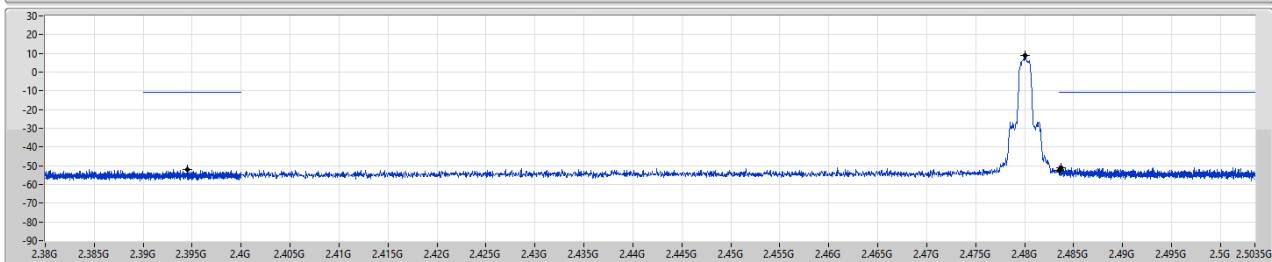
CSEndB-FS

2480MHz

21/12/2021



Port 1

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48003G	9.09	-10.91	159.84M	-38.31	2.39452G	-52.06	2.4833G	-52.46	2.48371G	-50.95	16.28542G	-41.75	1



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.48003G	11.90	-8.10	159.84M	-36.38	2.39995G	-51.28	2.4835G	-52.46	2.48393G	-49.38	16.61724G	-41.00	1
BT-EDR(2Mbps)	Pass	2.47987G	10.66	-9.34	159.84M	-35.39	2.39591G	-50.63	2.4835G	-52.93	2.48369G	-48.54	24.65412G	-42.04	1
BT-EDR(3Mbps)	Pass	2.48003G	9.09	-10.91	159.84M	-38.31	2.39452G	-52.06	2.4835G	-52.46	2.48371G	-50.95	16.28542G	-41.75	1

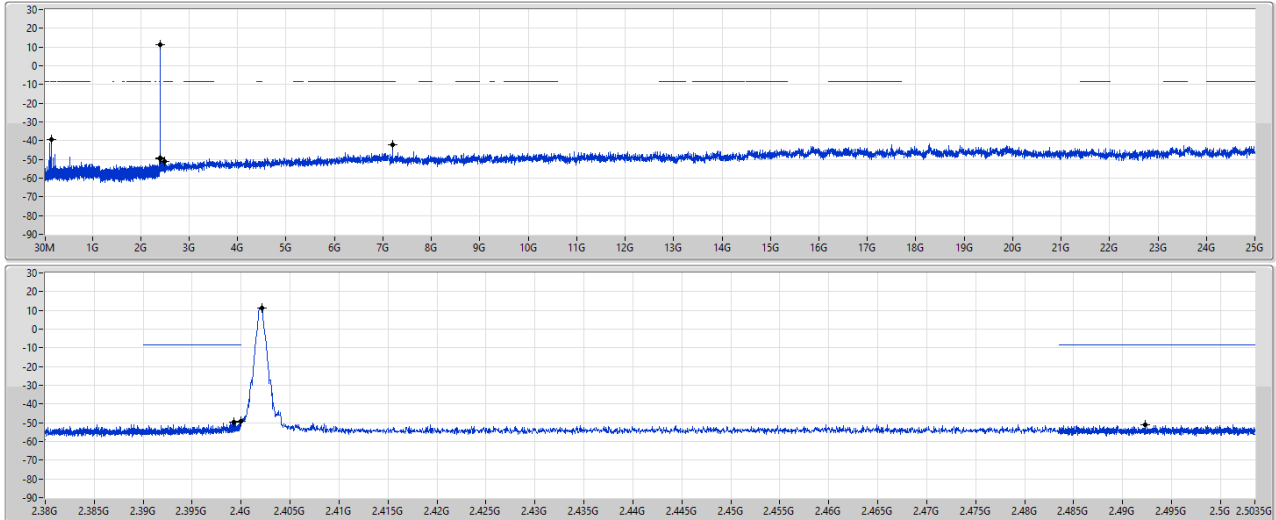
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40213G	11.39	-8.61	159.84M	-39.52	2.39926G	-49.61	2.4G	-49.43	2.49234G	-50.99	7.20527G	-42.01	1
2440MHz	Pass	2.44004G	12.00	-8.00	159.84M	-39.85	2.39489G	-51.67	2.4835G	-53.07	2.49533G	-50.60	24.96063G	-43.32	1
2480MHz	Pass	2.48003G	11.90	-8.10	159.84M	-36.38	2.39995G	-51.28	2.4835G	-52.46	2.48393G	-49.38	16.61724G	-41.00	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	13.12	-6.88	159.84M	-39.93	2.39988G	-43.71	2.4G	-44.09	2.49362G	-50.14	7.20527G	-41.41	1
2440MHz	Pass	2.44G	12.38	-7.62	159.84M	-40.15	2.39875G	-51.74	2.4G	-53.24	2.48449G	-50.49	16.60881G	-42.60	1
2480MHz	Pass	2.47987G	10.66	-9.34	159.84M	-35.39	2.39591G	-50.63	2.4835G	-52.93	2.48369G	-48.54	24.65412G	-42.04	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	9.42	-10.58	159.84M	-39.32	2.4G	-48.08	2.4G	-47.75	2.49598G	-50.68	24.97188G	-42.43	1
2440MHz	Pass	2.43987G	9.89	-10.11	159.84M	-40.69	2.39443G	-51.84	2.4835G	-54.61	2.48791G	-51.32	16.24605G	-43.17	1
2480MHz	Pass	2.48003G	9.09	-10.91	159.84M	-38.31	2.39452G	-52.06	2.4835G	-52.46	2.48371G	-50.95	16.28542G	-41.75	1

BT-BR(1Mbps)

CSENdB-FS

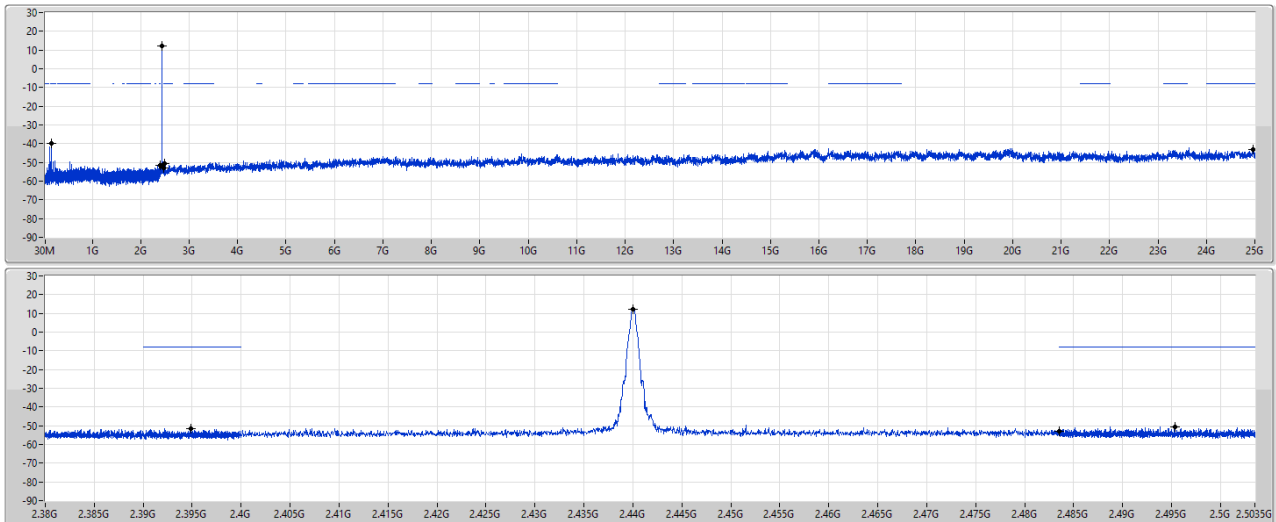
2402MHz



BT-BR(1Mbps)

CSENdB-FS

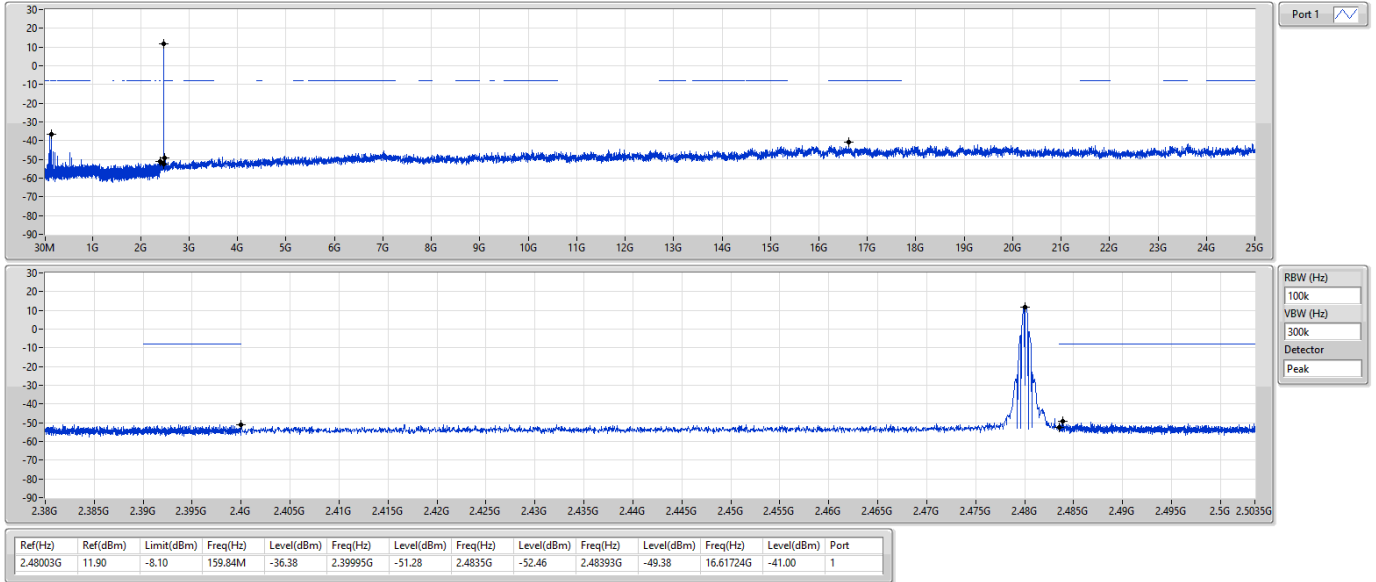
2440MHz



BT-BR(1Mbps)

CSEndB-FS

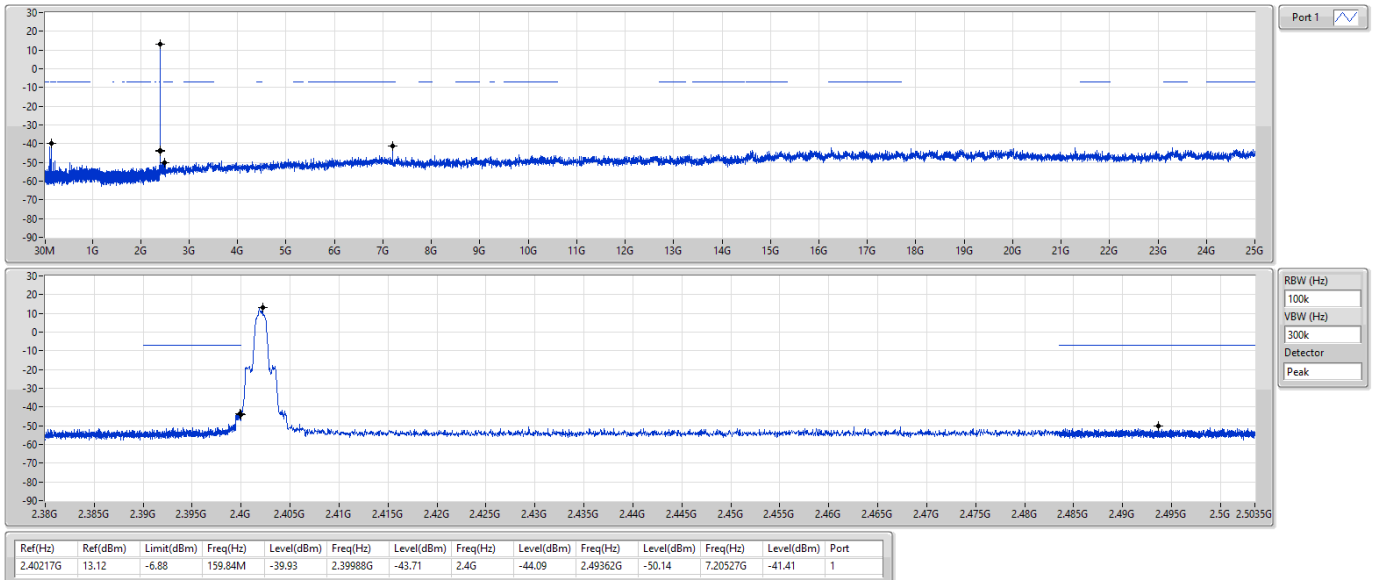
2480MHz



BT-EDR(2Mbps)

CSEndB-FS

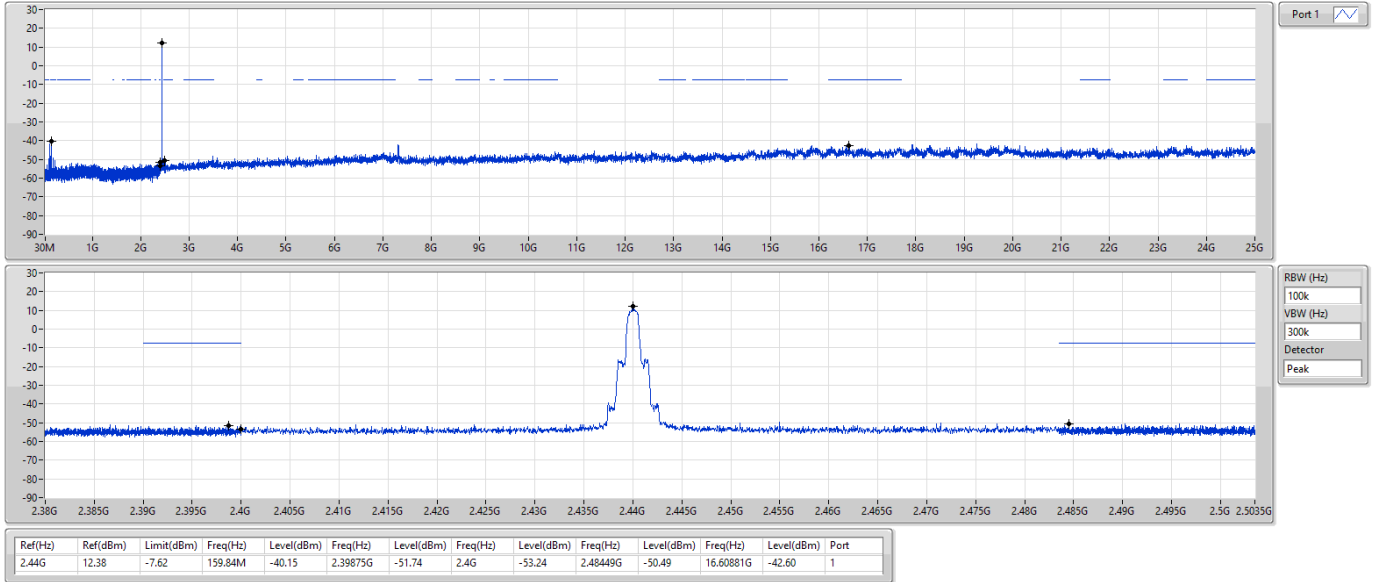
2402MHz



BT-EDR(2Mbps)

CSEndB-FS

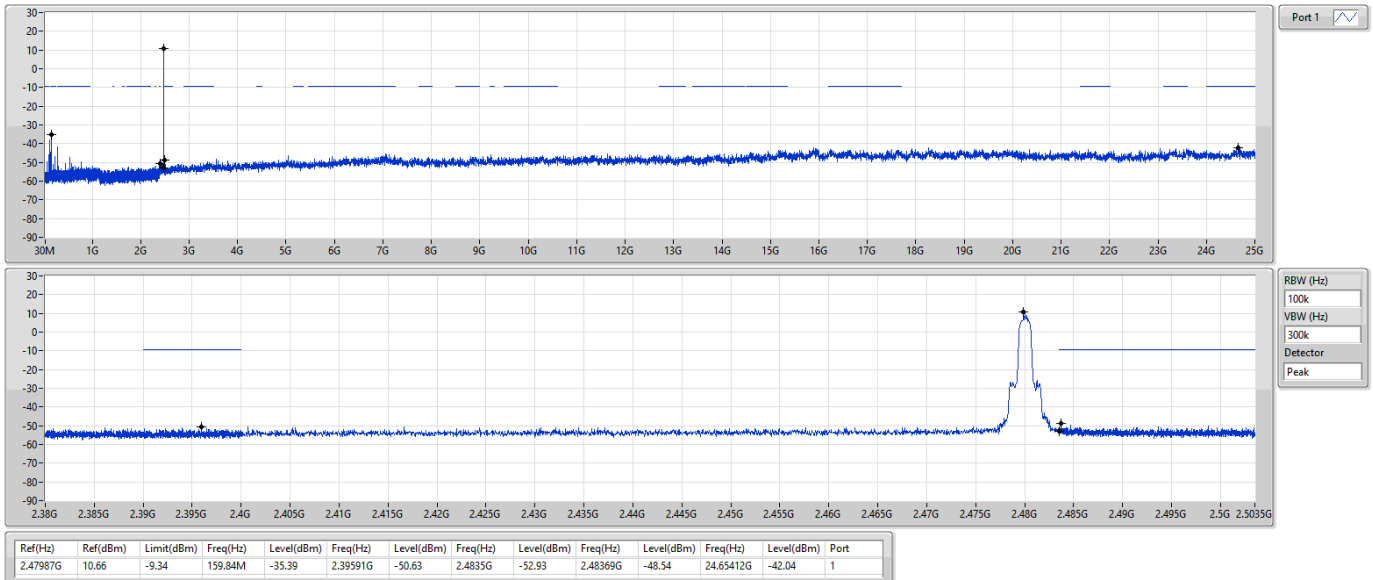
2440MHz



BT-EDR(2Mbps)

CSEndB-FS

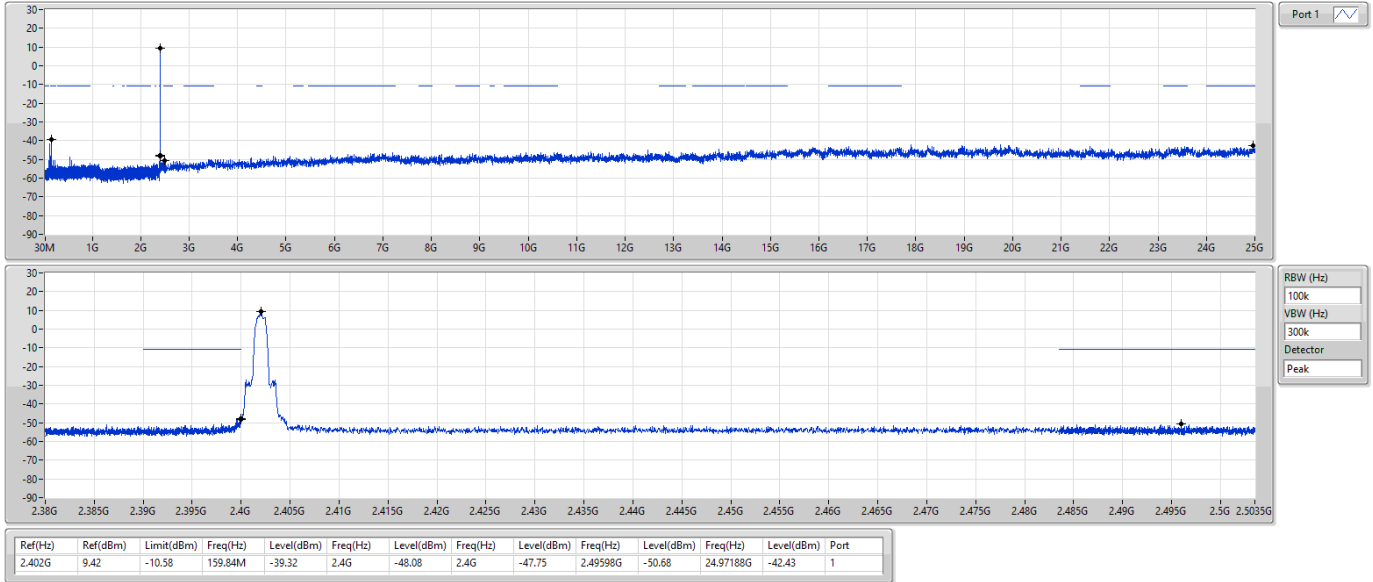
2480MHz



BT-EDR(3Mbps)

CSEndB-FS

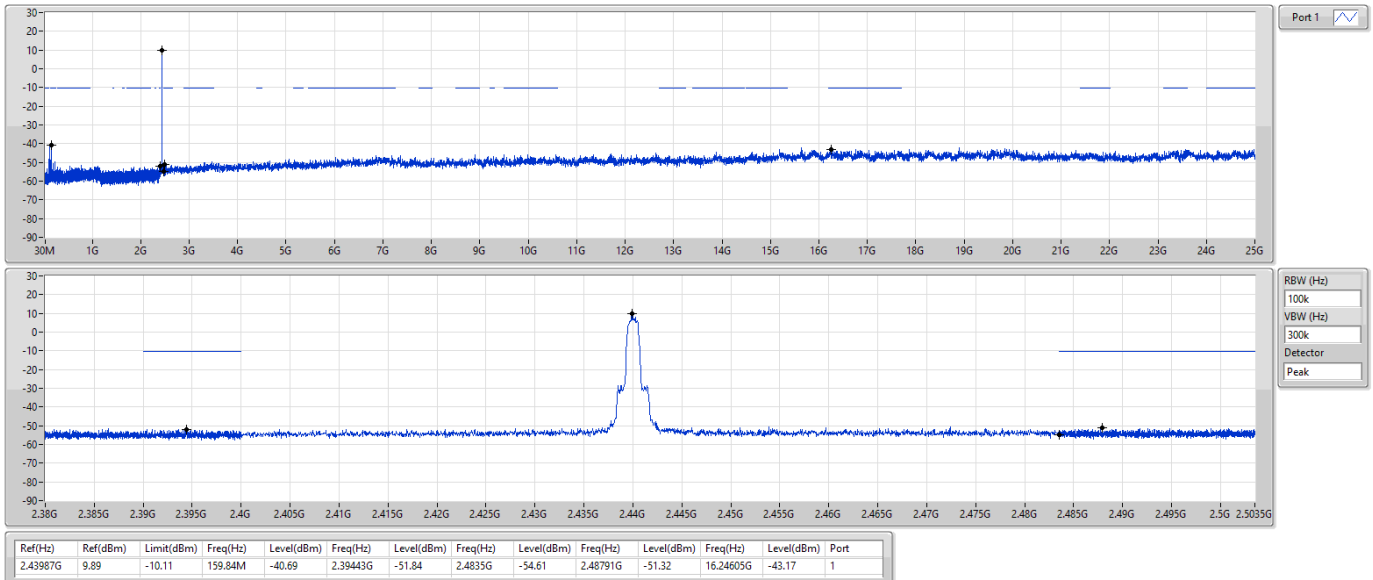
2402MHz



BT-EDR(3Mbps)

CSEndB-FS

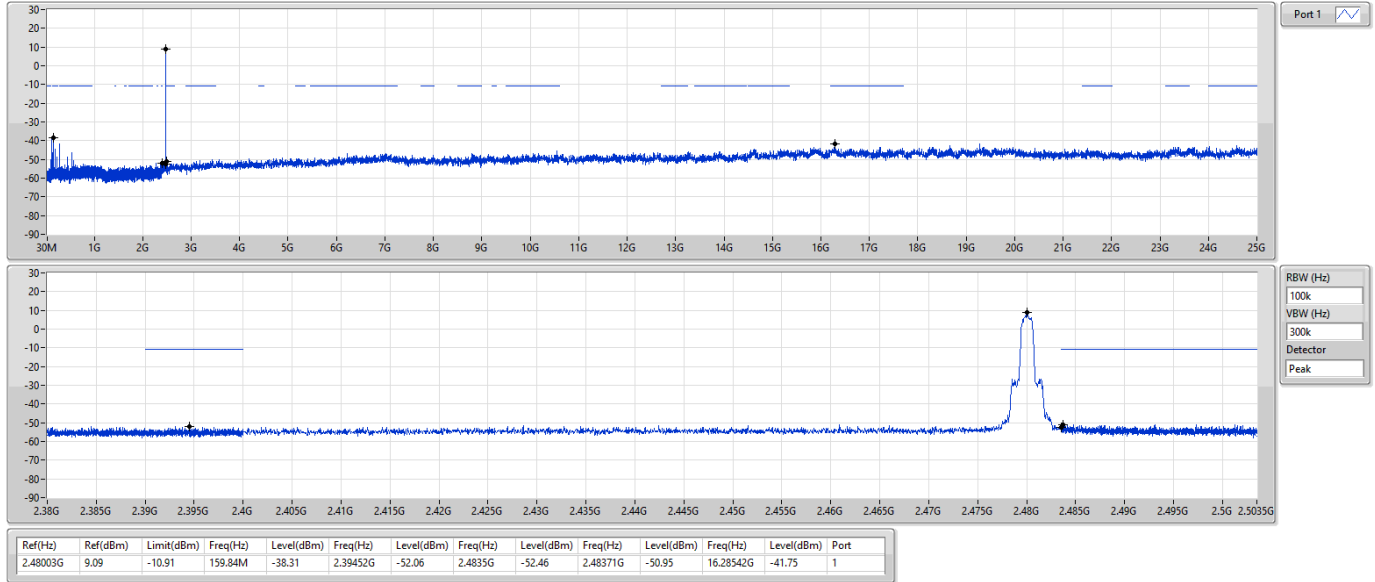
2440MHz



BT-EDR(3Mbps)

CSEndB-FS

2480MHz





Radiated Emissions below 1GHz

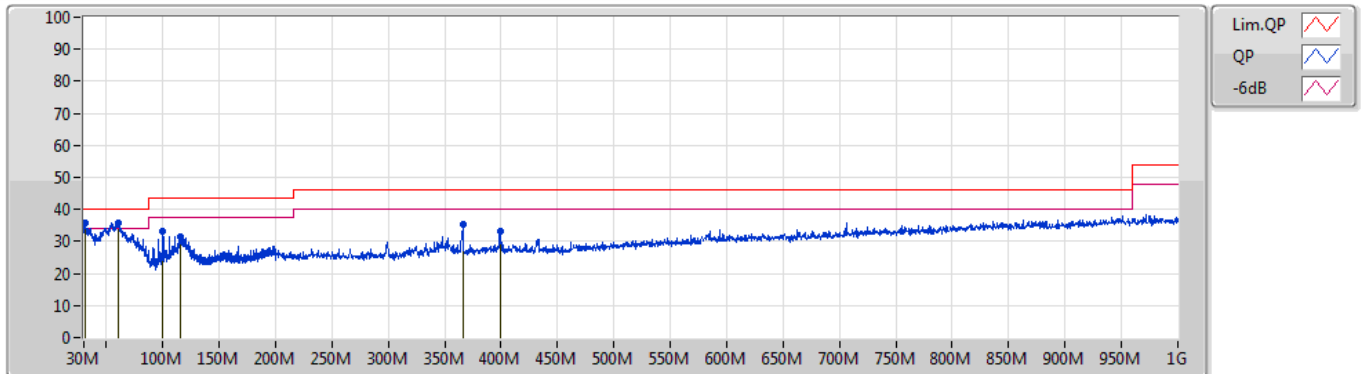
Appendix G.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	PK	60.01M	35.92	40.00	-4.08	Vertical

Mode 3

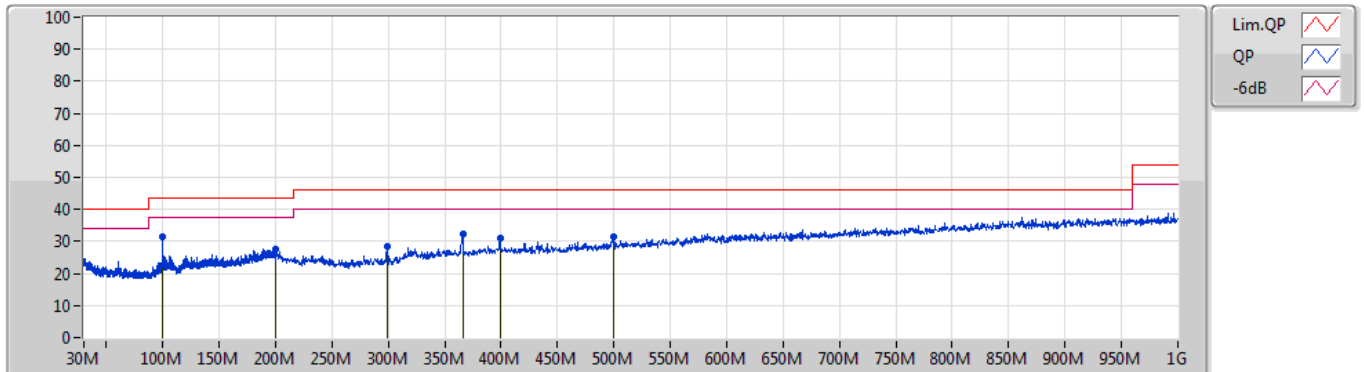
18/05/2022



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30.85M	35.61	40.00	-4.39	-13.16	3	Vertical	55	1.00	-	48.77	14.00	0.73	27.89
PK	60.01M	35.92	40.00	-4.08	-16.67	3	Vertical	193	1.00	"Worst"	52.59	9.80	1.30	27.77
PK	99.62M	33.36	43.50	-10.14	-16.35	3	Vertical	79	1.00	-	49.71	9.56	1.90	27.81
PK	115.6M	31.39	43.50	-12.11	-15.05	3	Vertical	190	2.00	-	46.44	10.50	2.13	27.68
PK	366.4M	35.26	46.00	-10.74	-7.69	3	Vertical	4	2.00	-	42.95	15.38	3.97	27.04
PK	399.6M	33.01	46.00	-12.99	-7.02	3	Vertical	38	2.00	-	40.03	16.22	4.10	27.34

Mode 3

18/05/2022



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	100.04M	31.53	43.50	-11.97	-16.31	3	Horizontal	133	1.00	"Worst"	47.84	9.60	1.90	27.81
PK	199.92M	27.68	43.50	-15.82	-9.56	3	Horizontal	229	3.00	-	37.24	14.51	3.20	27.27
PK	299.6M	28.37	46.00	-17.63	-9.67	3	Horizontal	286	1.00	-	38.04	13.20	3.50	26.37
PK	366.4M	32.51	46.00	-13.49	-7.69	3	Horizontal	214	2.00	-	40.20	15.38	3.97	27.04
PK	399.6M	31.24	46.00	-14.76	-7.02	3	Horizontal	11	1.00	-	38.26	16.22	4.10	27.34
PK	499.6M	31.66	46.00	-14.34	-5.79	3	Horizontal	15	1.00	-	37.45	17.51	4.60	27.90

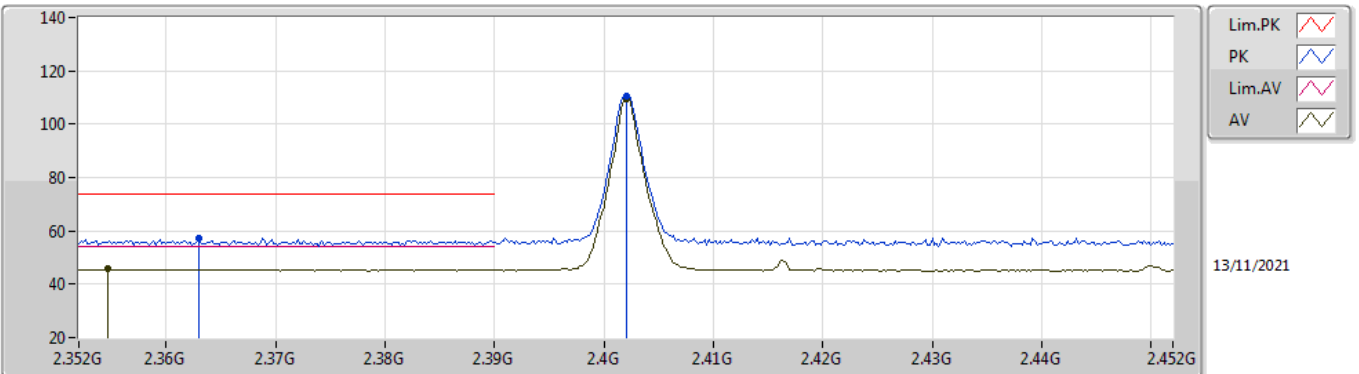


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	AV	2.4998G	49.16	54.00	-4.84	3	Horizontal	206	1.61	-

BT-BR(1Mbps)

2402MHz_TX

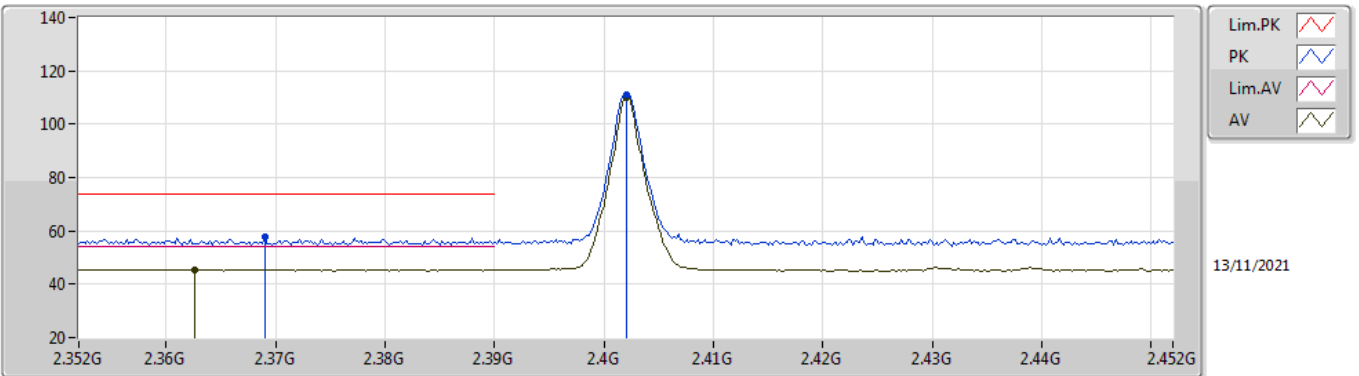


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.363G	57.36	74.00	-16.64	24.63	3	Vertical	70	1.27	-	28.37	4.36	-	
AV	2.3546G	45.68	54.00	-8.32	12.94	3	Vertical	70	1.27	-	28.39	4.35	-	
PK	2.402G	110.53	Inf	-Inf	77.83	3	Vertical	70	1.27	-	28.30	4.40	-	
AV	2.402G	109.53	Inf	-Inf	76.83	3	Vertical	70	1.27	-	28.30	4.40	-	

BT-BR(1Mbps)

2402MHz_TX

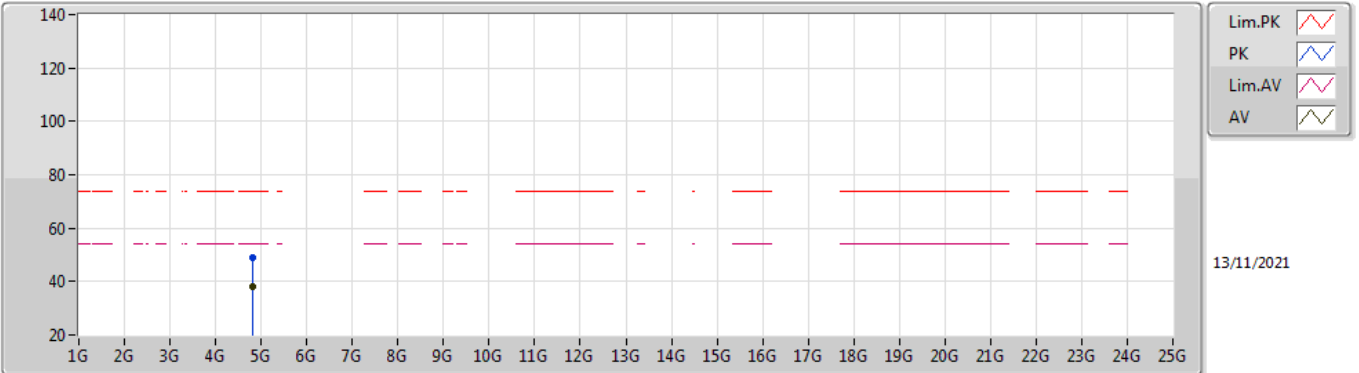


EUT Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.369G	57.69	74.00	-16.31	24.96	3	Horizontal	38	2.36	-	28.36	4.37	-	
AV	2.3626G	45.43	54.00	-8.57	12.70	3	Horizontal	38	2.36	-	28.37	4.36	-	
PK	2.402G	111.14	Inf	-Inf	78.44	3	Horizontal	38	2.36	-	28.30	4.40	-	
AV	2.402G	110.15	Inf	-Inf	77.45	3	Horizontal	38	2.36	-	28.30	4.40	-	

BT-BR(1Mbps)

2402MHz_TX

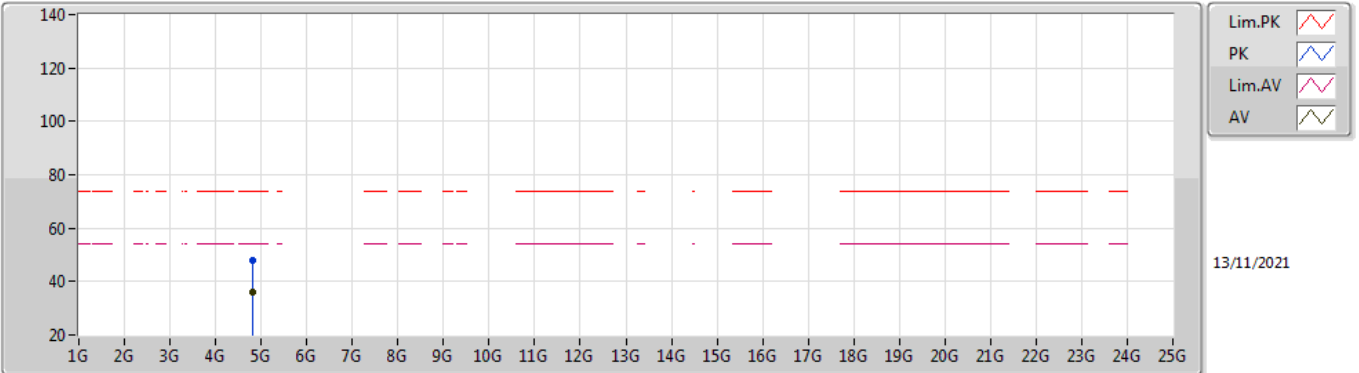


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80383G	48.80	74.00	-25.20	43.73	3	Vertical	330	1.80	-	33.40	7.10	35.43	
AV	4.80413G	38.04	54.00	-15.96	32.97	3	Vertical	330	1.80	-	33.40	7.10	35.43	

BT-BR(1Mbps)

2402MHz_TX

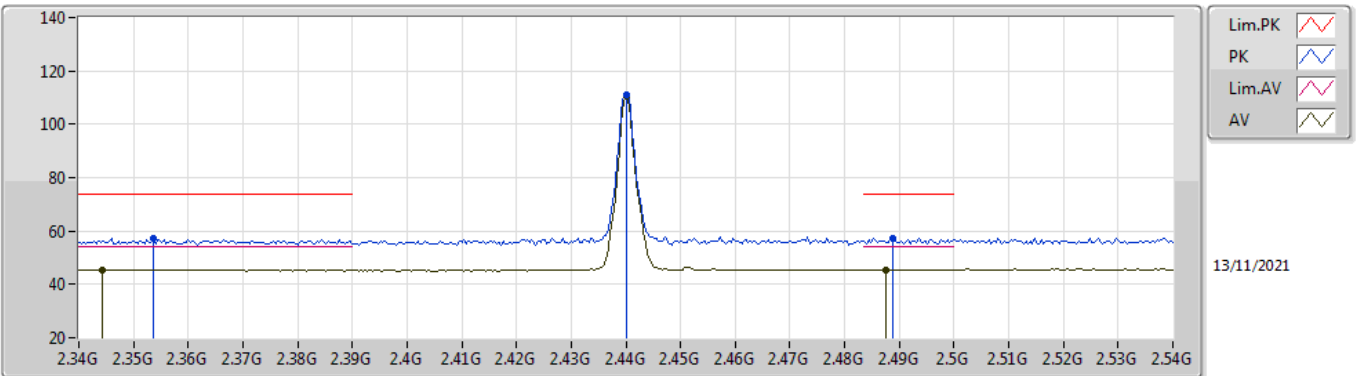


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80426G	47.71	74.00	-26.29	42.64	3	Horizontal	184	1.74	-	33.40	7.10	35.43	
AV	4.80408G	35.83	54.00	-18.17	30.76	3	Horizontal	184	1.74	-	33.40	7.10	35.43	

BT-BR(1Mbps)

2440MHz_TX

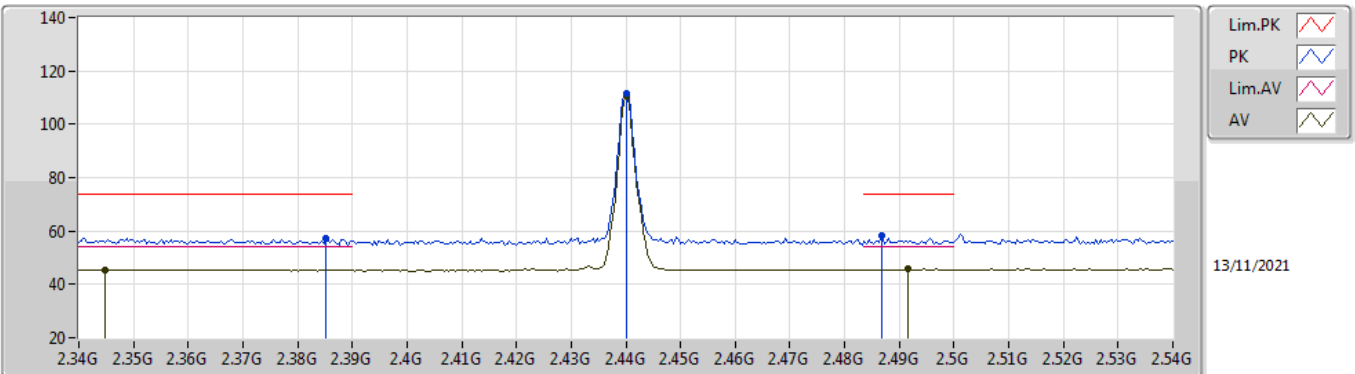


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3536G	57.20	74.00	-16.80	24.46	3	Vertical	72	1.25	-	28.39	4.35	-	
AV	2.3444G	45.59	54.00	-8.41	12.88	3	Vertical	72	1.25	-	28.37	4.34	-	
PK	2.44G	111.27	Inf	-Inf	78.47	3	Vertical	72	1.25	-	28.38	4.42	-	
AV	2.44G	110.29	Inf	-Inf	77.49	3	Vertical	72	1.25	-	28.38	4.42	-	
PK	2.4888G	57.16	74.00	-16.84	24.09	3	Vertical	72	1.25	-	28.63	4.44	-	
AV	2.4876G	45.59	54.00	-8.41	12.52	3	Vertical	72	1.25	-	28.63	4.44	-	

BT-BR(1Mbps)

2440MHz_TX

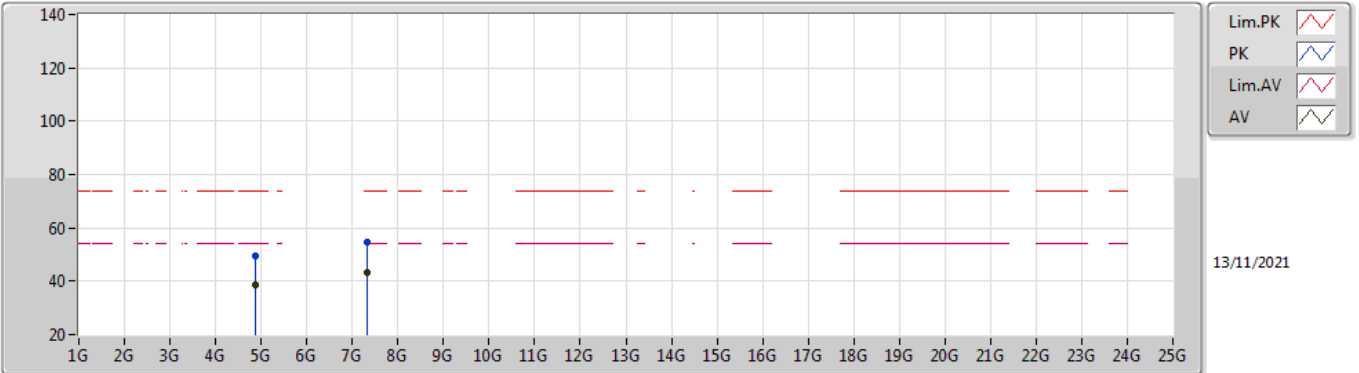


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3852G	57.38	74.00	-16.62	24.66	3	Horizontal	36	1.92	-	28.33	4.39	-	
AV	2.3448G	45.47	54.00	-8.53	12.76	3	Horizontal	36	1.92	-	28.37	4.34	-	
PK	2.44G	111.41	Inf	-Inf	78.61	3	Horizontal	36	1.92	-	28.38	4.42	-	
AV	2.44G	110.45	Inf	-Inf	77.65	3	Horizontal	36	1.92	-	28.38	4.42	-	
PK	2.4868G	58.28	74.00	-15.72	25.22	3	Horizontal	36	1.92	-	28.62	4.44	-	
AV	2.4916G	45.63	54.00	-8.37	12.53	3	Horizontal	36	1.92	-	28.65	4.45	-	

BT-BR(1Mbps)

2440MHz_TX

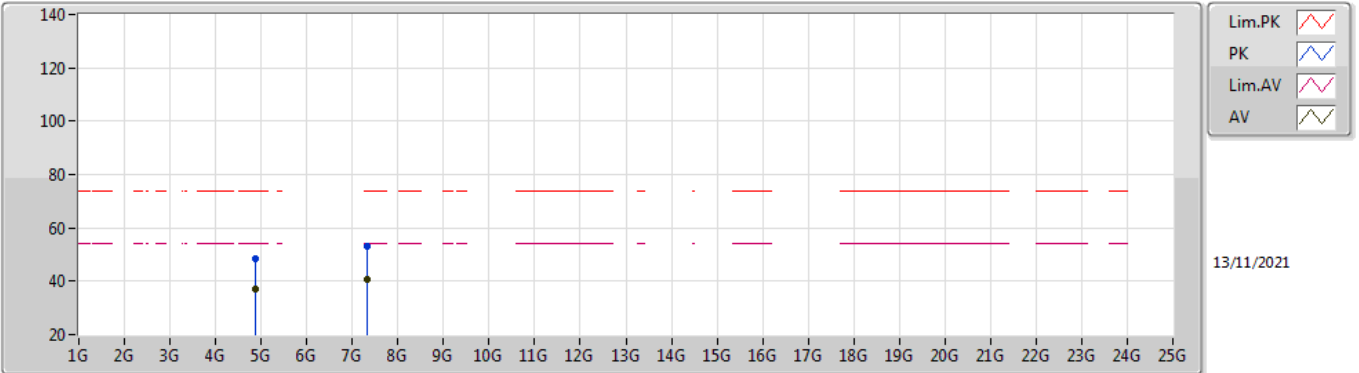


EUT Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.88027G	49.49	74.00	-24.51	44.30	3	Vertical	328	1.74	-	33.52	7.06	35.39	
AV	4.88002G	38.67	54.00	-15.33	33.48	3	Vertical	328	1.74	-	33.52	7.06	35.39	
PK	7.3196G	54.57	74.00	-19.43	44.58	3	Vertical	46	2.93	-	37.00	8.56	35.57	
AV	7.32014G	43.17	54.00	-10.83	33.18	3	Vertical	46	2.93	-	37.00	8.56	35.57	

BT-BR(1Mbps)

2440MHz_TX

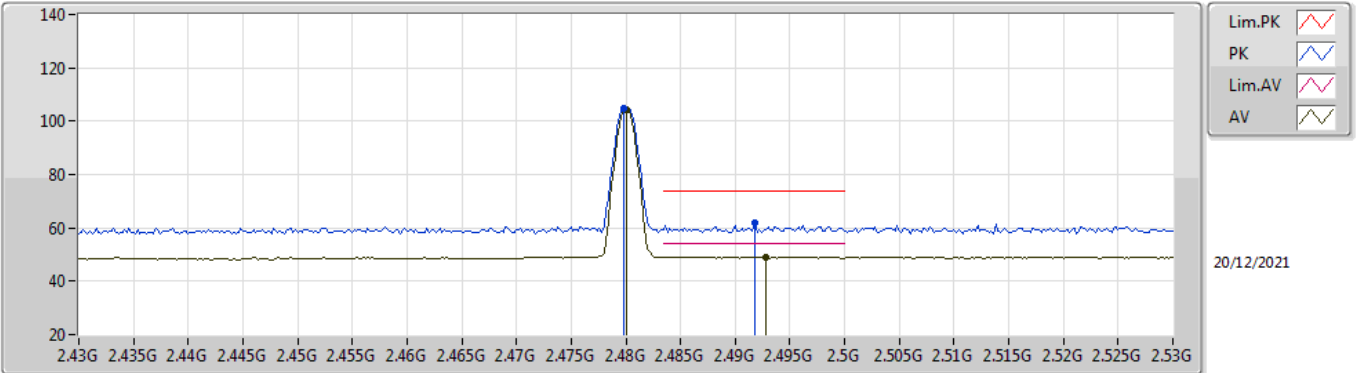


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87998G	48.64	74.00	-25.36	43.45	3	Horizontal	184	1.66	-	33.52	7.06	35.39
AV	4.88002G	37.21	54.00	-16.79	32.02	3	Horizontal	184	1.66	-	33.52	7.06	35.39
PK	7.31954G	53.09	74.00	-20.91	43.10	3	Horizontal	312	1.90	-	37.00	8.56	35.57
AV	7.32018G	40.81	54.00	-13.19	30.82	3	Horizontal	312	1.90	-	37.00	8.56	35.57

BT-BR(1Mbps)

2480MHz_TX

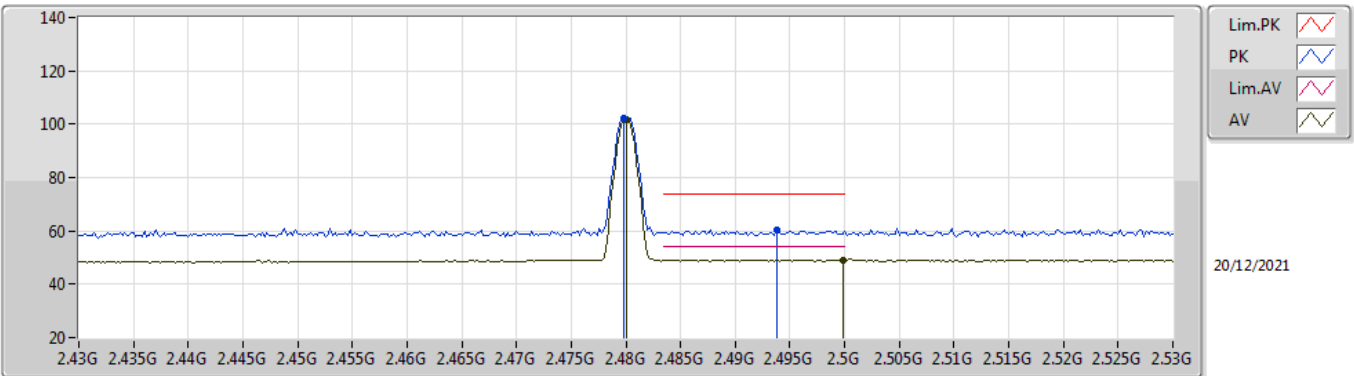


EUT_Z_1TX
Setting 0x59
03-I-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4798G	104.72	Inf	-Inf	71.70	3	Vertical	86	2.10	-	28.58	4.44	-	
AV	2.48G	104.22	Inf	-Inf	71.20	3	Vertical	86	2.10	-	28.58	4.44	-	
PK	2.4918G	61.66	74.00	-12.34	28.56	3	Vertical	86	2.10	-	28.65	4.45	-	
AV	2.4928G	49.13	54.00	-4.87	16.02	3	Vertical	86	2.10	-	28.66	4.45	-	

BT-BR(1Mbps)

2480MHz_TX

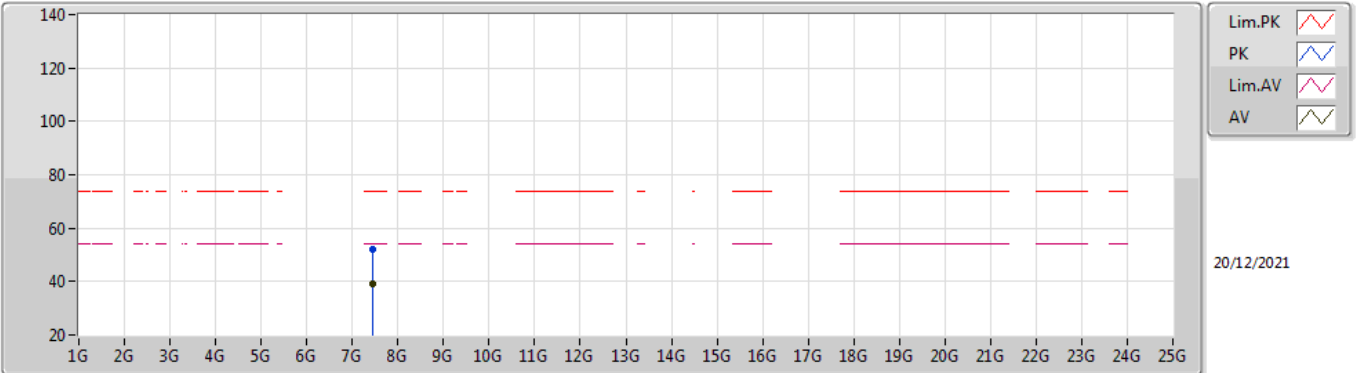


EUT Z_1TX
Setting 0x59
03-I-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4798G	102.39	Inf	-Inf	69.37	3	Horizontal	206	1.61	-	28.58	4.44	-	
AV	2.48G	101.89	Inf	-Inf	68.87	3	Horizontal	206	1.61	-	28.58	4.44	-	
PK	2.4938G	60.13	74.00	-13.87	27.02	3	Horizontal	206	1.61	-	28.66	4.45	-	
AV	2.4998G	49.16	54.00	-4.84	16.01	3	Horizontal	206	1.61	-	28.70	4.45	-	

BT-BR(1Mbps)

2480MHz_TX

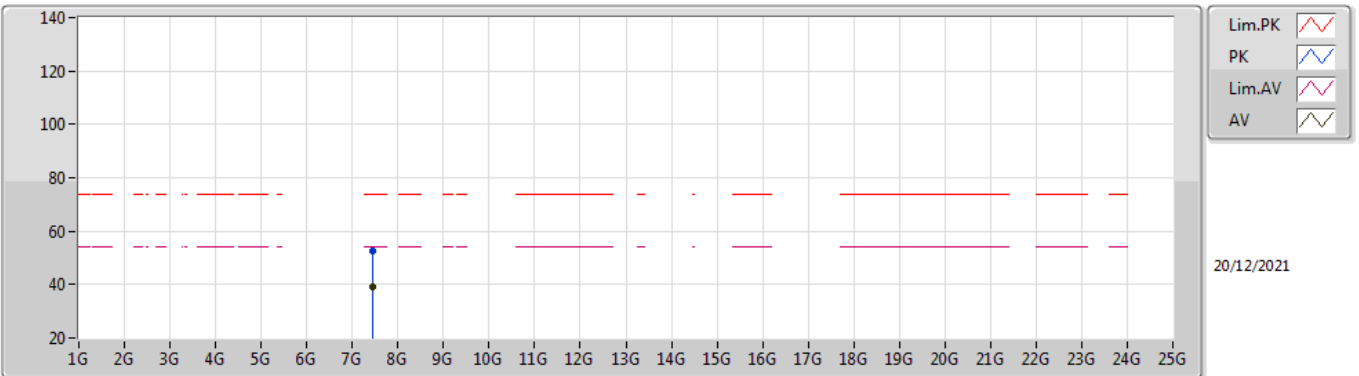


EUT_Z_1TX
Setting 0x59
03-I-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	7.44386G	52.10	74.00	-21.90	41.94	3	Vertical	267	2.30	-	37.01	8.76	35.61	
AV	7.44374G	39.15	54.00	-14.85	28.99	3	Vertical	267	2.30	-	37.01	8.76	35.61	

BT-BR(1Mbps)

2480MHz_TX

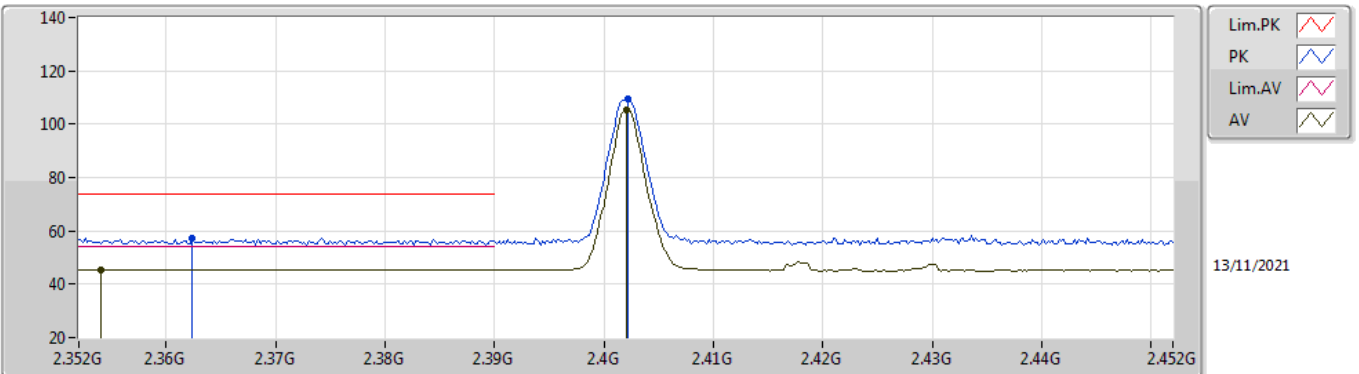


EUT_Z_1TX
Setting 0x59
03-I-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	7.44422G	52.49	74.00	-21.51	42.33	3	Horizontal	331	2.89	-	37.01	8.76	35.61	
AV	7.4401G	39.36	54.00	-14.64	29.18	3	Horizontal	331	2.89	-	37.02	8.76	35.60	

BT-EDR(3Mbps)

2402MHz_TX

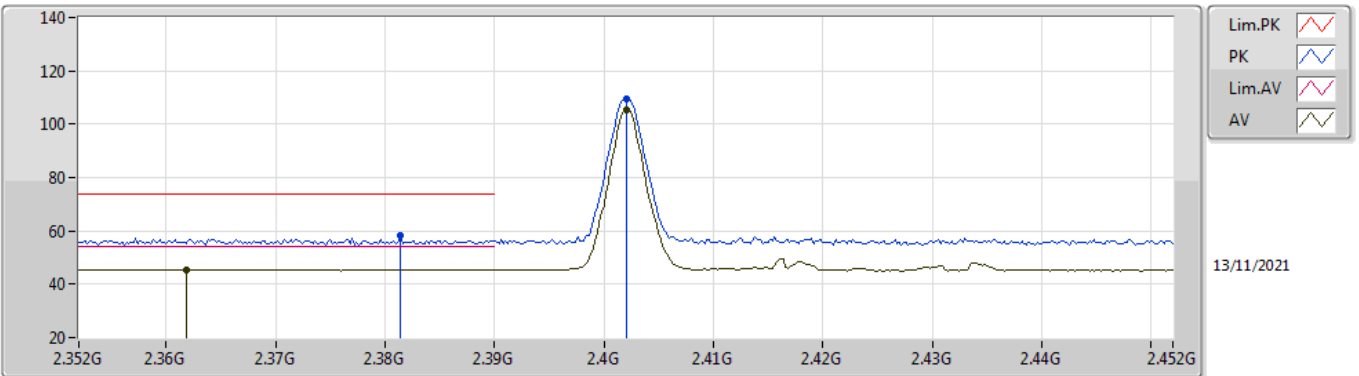


EUT Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3624G	57.46	74.00	-16.54	24.72	3	Vertical	88	1.41	-	28.38	4.36	-	
AV	2.354G	45.58	54.00	-8.42	12.84	3	Vertical	88	1.41	-	28.39	4.35	-	
PK	2.4022G	109.35	Inf	-Inf	76.65	3	Vertical	88	1.41	-	28.30	4.40	-	
AV	2.402G	105.28	Inf	-Inf	72.58	3	Vertical	88	1.41	-	28.30	4.40	-	

BT-EDR(3Mbps)

2402MHz_TX

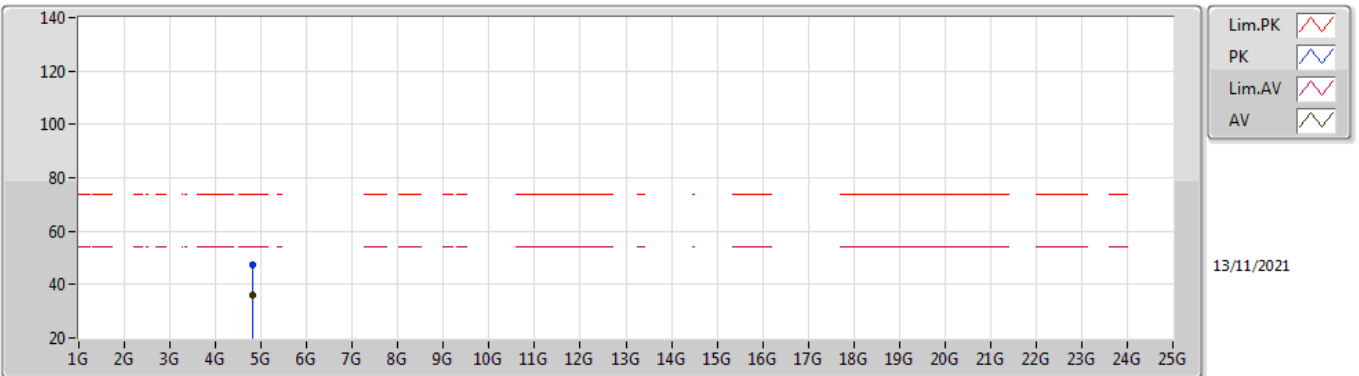


EUT Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3814G	58.09	74.00	-15.91	25.37	3	Horizontal	32	1.80	-	28.34	4.38	-	
AV	2.3618G	45.47	54.00	-8.53	12.73	3	Horizontal	32	1.80	-	28.38	4.36	-	
PK	2.402G	109.25	Inf	-Inf	76.55	3	Horizontal	32	1.80	-	28.30	4.40	-	
AV	2.402G	105.21	Inf	-Inf	72.51	3	Horizontal	32	1.80	-	28.30	4.40	-	

BT-EDR(3Mbps)

2402MHz_TX

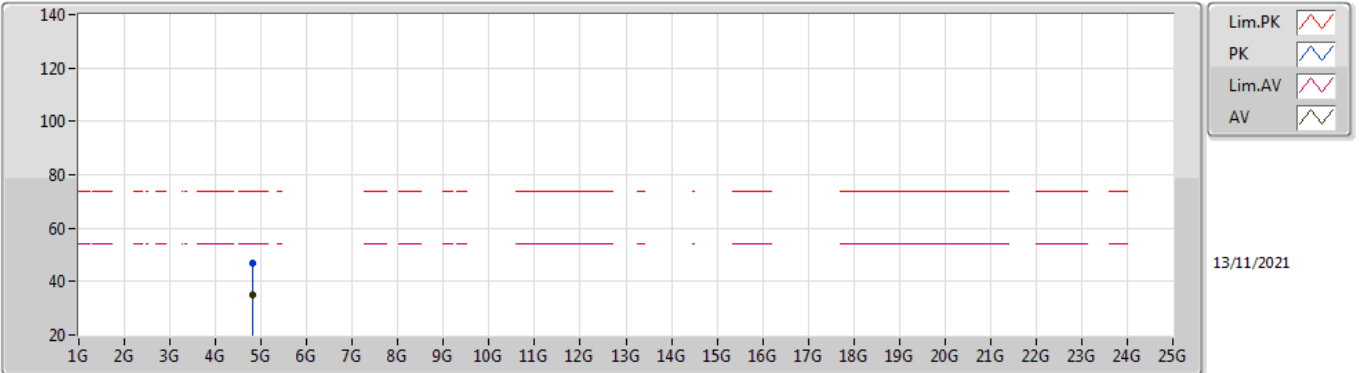


EUT Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80372G	47.53	74.00	-26.47	42.46	3	Vertical	328	1.80	-	33.40	7.10	35.43	
AV	4.80416G	36.21	54.00	-17.79	31.14	3	Vertical	328	1.80	-	33.40	7.10	35.43	

BT-EDR(3Mbps)

2402MHz_TX

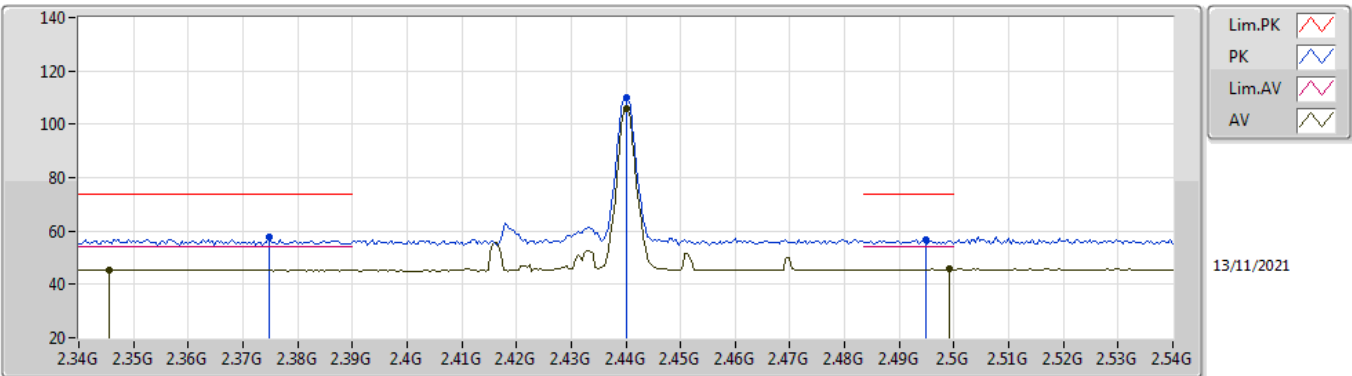


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.80436G	47.14	74.00	-26.86	42.07	3	Horizontal	154	2.11	-	33.40	7.10	35.43
AV	4.8041G	34.91	54.00	-19.09	29.84	3	Horizontal	154	2.11	-	33.40	7.10	35.43

BT-EDR(3Mbps)

2440MHz_TX

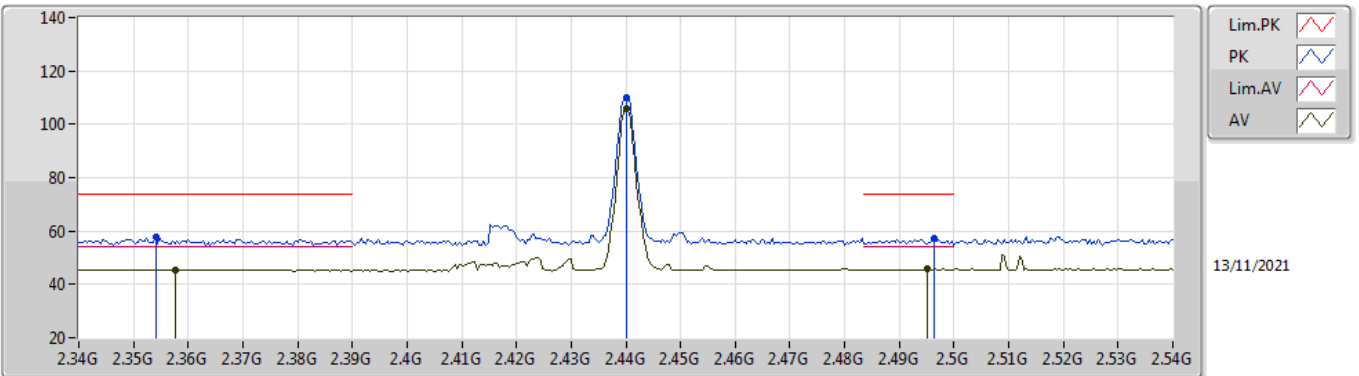


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3748G	57.61	74.00	-16.39	24.89	3	Vertical	74	1.27	-	28.35	4.37	-
AV	2.3456G	45.49	54.00	-8.51	12.77	3	Vertical	74	1.27	-	28.37	4.35	-
PK	2.44G	109.76	Inf	-Inf	76.96	3	Vertical	74	1.27	-	28.38	4.42	-
AV	2.44G	105.63	Inf	-Inf	72.83	3	Vertical	74	1.27	-	28.38	4.42	-
PK	2.4948G	56.52	74.00	-17.48	23.40	3	Vertical	74	1.27	-	28.67	4.45	-
AV	2.4992G	45.65	54.00	-8.35	12.50	3	Vertical	74	1.27	-	28.70	4.45	-

BT-EDR(3Mbps)

2440MHz_TX

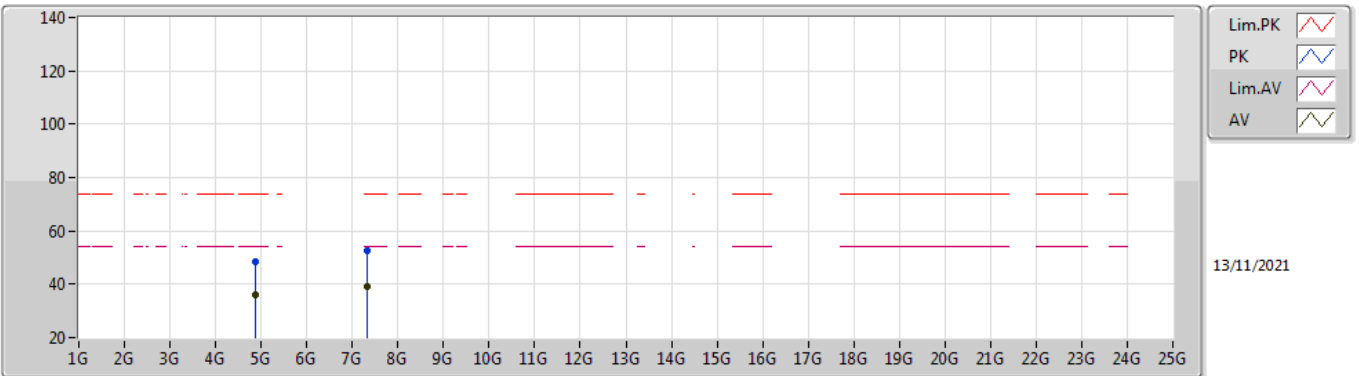


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.354G	57.61	74.00	-16.39	24.87	3	Horizontal	38	1.93	-	28.39	4.35	-	
AV	2.3576G	45.59	54.00	-8.41	12.85	3	Horizontal	38	1.93	-	28.38	4.36	-	
PK	2.44G	109.94	Inf	-Inf	77.14	3	Horizontal	38	1.93	-	28.38	4.42	-	
AV	2.44G	105.85	Inf	-Inf	73.05	3	Horizontal	38	1.93	-	28.38	4.42	-	
PK	2.4964G	57.15	74.00	-16.85	24.02	3	Horizontal	38	1.93	-	28.68	4.45	-	
AV	2.4952G	45.71	54.00	-8.29	12.59	3	Horizontal	38	1.93	-	28.67	4.45	-	

BT-EDR(3Mbps)

2440MHz_TX

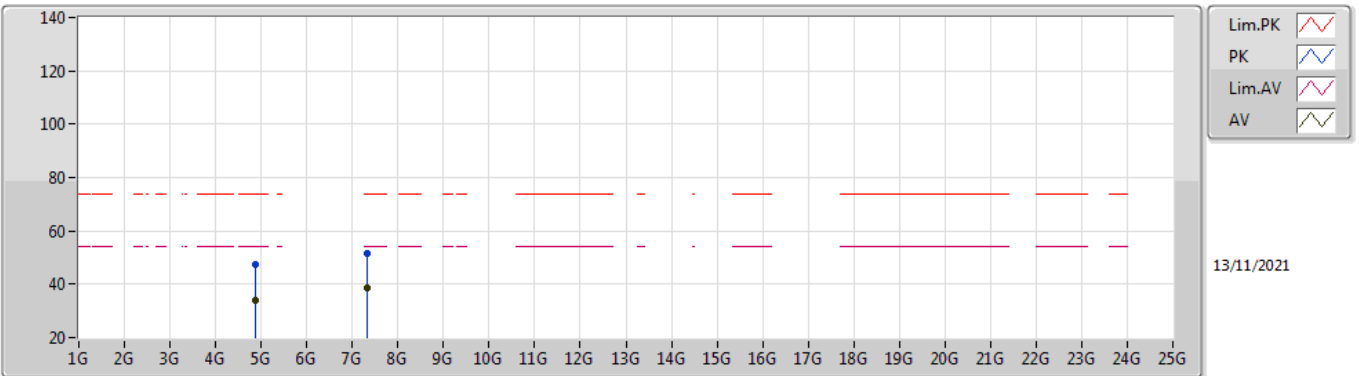


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.88032G	48.47	74.00	-25.53	43.28	3	Vertical	329	1.73	-	33.52	7.06	35.39
AV	4.88004G	36.21	54.00	-17.79	31.02	3	Vertical	329	1.73	-	33.52	7.06	35.39
PK	7.31952G	52.46	74.00	-21.54	42.47	3	Vertical	47	1.43	-	37.00	8.56	35.57
AV	7.3203G	39.23	54.00	-14.77	29.24	3	Vertical	47	1.43	-	37.00	8.56	35.57

BT-EDR(3Mbps)

2440MHz_TX

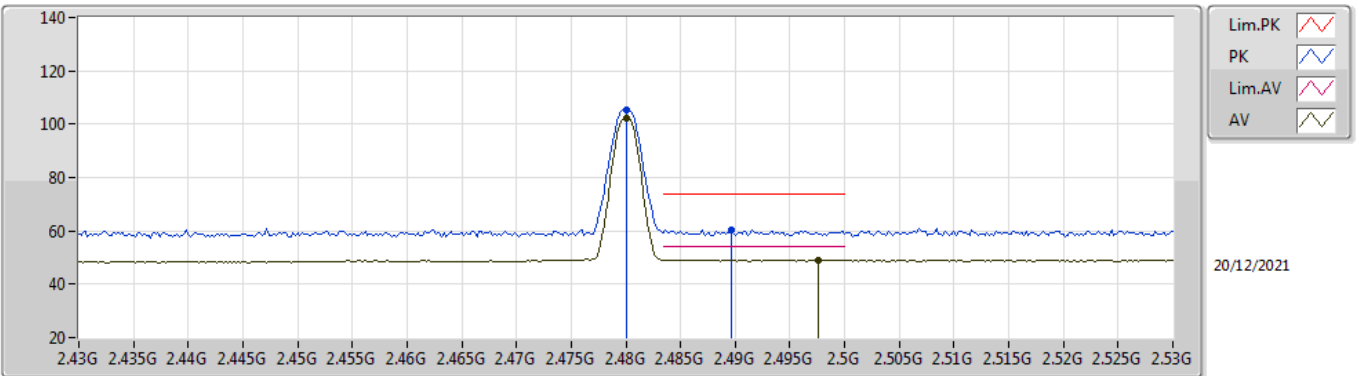


EUT_Z_1TX
Setting 0x59
03-D-C-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.88174G	47.17	74.00	-26.83	41.97	3	Horizontal	86	1.80	-	33.53	7.06	35.39	
AV	4.88234G	33.73	54.00	-20.27	28.53	3	Horizontal	86	1.80	-	33.53	7.06	35.39	
PK	7.32472G	51.72	74.00	-22.28	41.72	3	Horizontal	262	2.45	-	37.00	8.57	35.57	
AV	7.31956G	38.50	54.00	-15.50	28.51	3	Horizontal	262	2.45	-	37.00	8.56	35.57	

BT-EDR(3Mbps)

2480MHz_TX

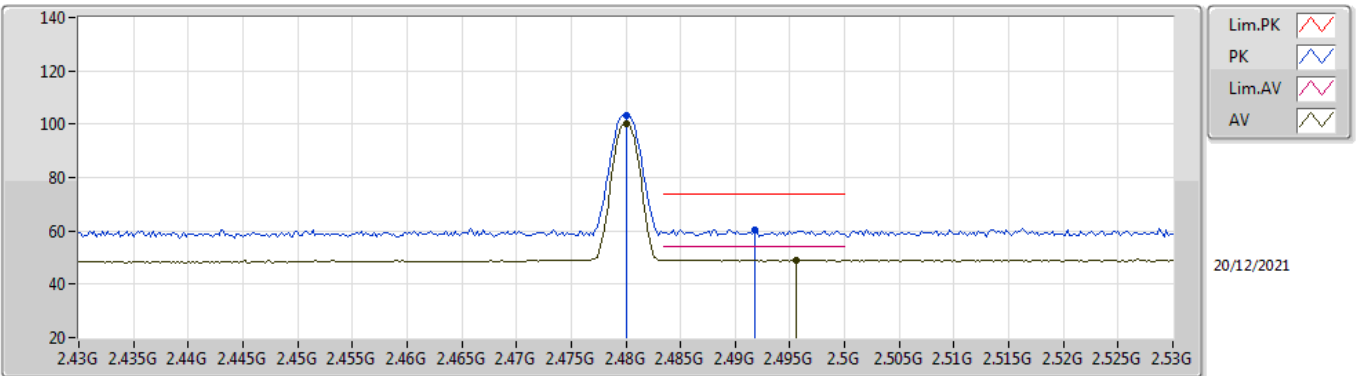


EUT_Z_1TX
Setting 0x59
03-I-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.48G	105.45	Inf	-Inf	72.43	3	Vertical	87	2.12	-	28.58	4.44	-	
AV	2.48G	102.44	Inf	-Inf	69.42	3	Vertical	87	2.12	-	28.58	4.44	-	
PK	2.4896G	60.26	74.00	-13.74	27.18	3	Vertical	87	2.12	-	28.64	4.44	-	
AV	2.4976G	49.15	54.00	-4.85	16.01	3	Vertical	87	2.12	-	28.69	4.45	-	

BT-EDR(3Mbps)

2480MHz_TX

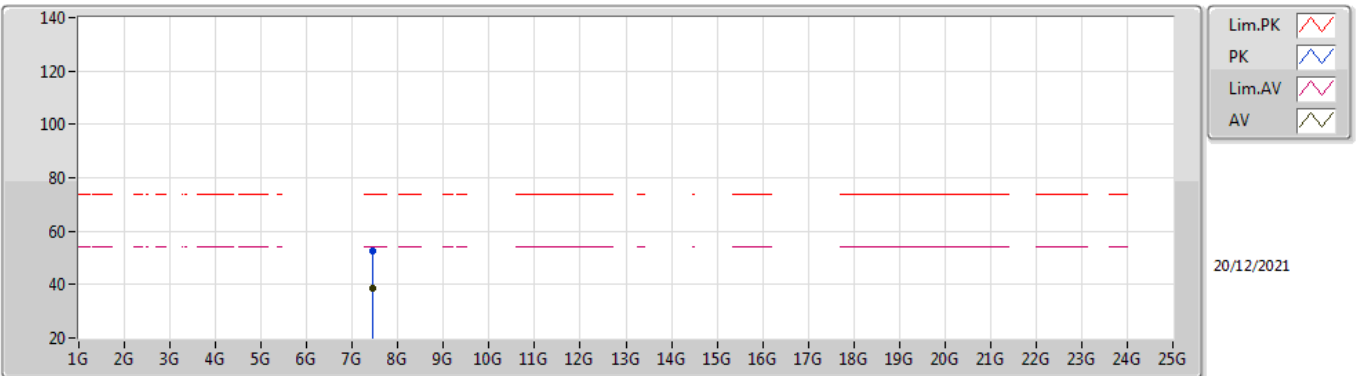


EUT_Z_1TX
Setting 0x59
03-I-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.48G	103.11	Inf	-Inf	70.09	3	Horizontal	203	1.62	-	28.58	4.44	-	
AV	2.48G	100.11	Inf	-Inf	67.09	3	Horizontal	203	1.62	-	28.58	4.44	-	
PK	2.4918G	60.50	74.00	-13.50	27.40	3	Horizontal	203	1.62	-	28.65	4.45	-	
AV	2.4956G	49.14	54.00	-4.86	16.02	3	Horizontal	203	1.62	-	28.67	4.45	-	

BT-EDR(3Mbps)

2480MHz_TX

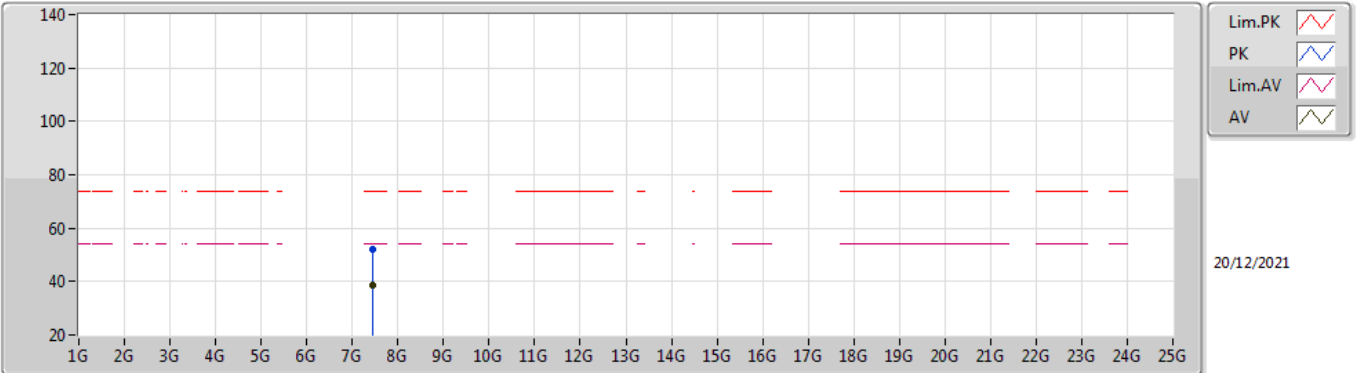


EUT_Z_1TX
Setting 0x59
03-I-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	7.43544G	52.77	74.00	-21.23	42.58	3	Vertical	81	1.38	-	37.03	8.76	35.60	
AV	7.44086G	38.67	54.00	-15.33	28.49	3	Vertical	81	1.38	-	37.02	8.76	35.60	

BT-EDR(3Mbps)

2480MHz_TX



EUT_Z_1TX
Setting 0x59
03-I-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	7.44338G	51.98	74.00	-22.02	41.82	3	Horizontal	41	1.29	-	37.01	8.76	35.61	
AV	7.43948G	38.84	54.00	-15.16	28.66	3	Horizontal	41	1.29	-	37.02	8.76	35.60	

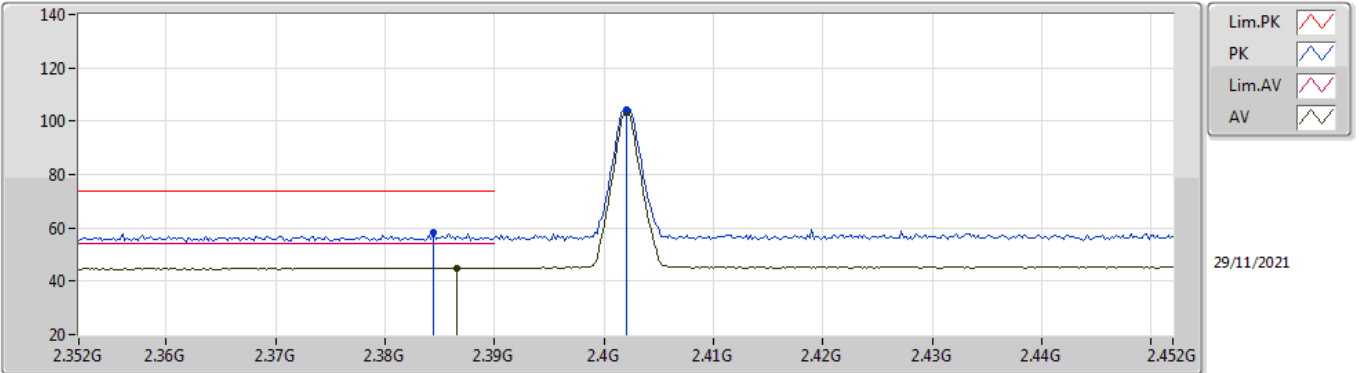


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-EDR(3Mbps)	Pass	AV	2.4835G	48.23	54.00	-5.77	3	Vertical	160	1.75	-

BT-BR(1Mbps)

2402MHz_TX

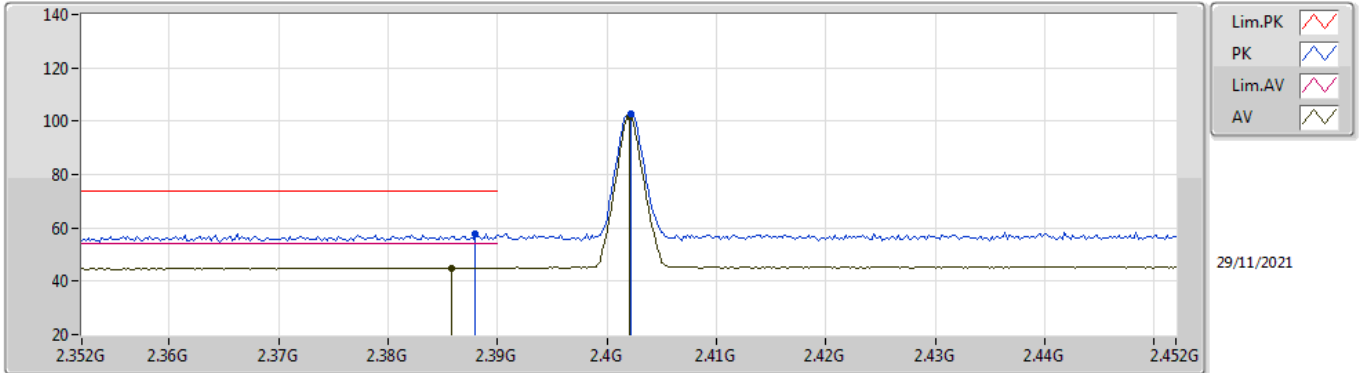


EUT Z_1TX
Setting 0x59
02-B-P-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.3844G	58.07	74.00	-15.93	26.91	3	Vertical	352	1.82	-	28.37	2.79	-	
AV	2.3866G	45.08	54.00	-8.92	13.92	3	Vertical	352	1.82	-	28.37	2.79	-	
PK	2.402G	104.41	Inf	-Inf	73.21	3	Vertical	352	1.82	-	28.40	2.80	-	
AV	2.402G	103.51	Inf	-Inf	72.31	3	Vertical	352	1.82	-	28.40	2.80	-	

BT-BR(1Mbps)

2402MHz_TX

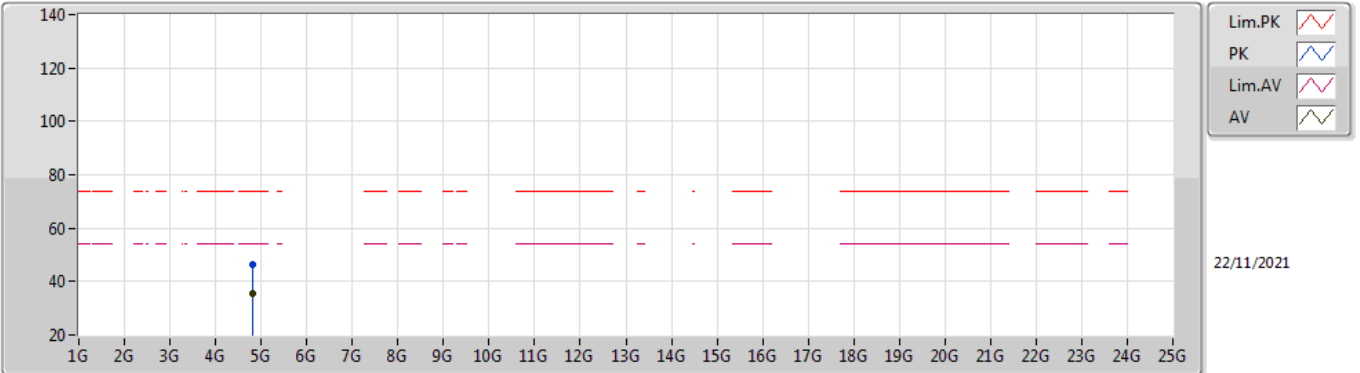


EUT Z_1TX
Setting 0x59
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.388G	57.90	74.00	-16.10	26.73	3	Horizontal	145	2.27	-	28.38	2.79	-	
AV	2.3858G	45.04	54.00	-8.96	13.88	3	Horizontal	145	2.27	-	28.37	2.79	-	
PK	2.4022G	102.55	Inf	-Inf	71.35	3	Horizontal	145	2.27	-	28.40	2.80	-	
AV	2.402G	101.66	Inf	-Inf	70.46	3	Horizontal	145	2.27	-	28.40	2.80	-	

BT-BR(1Mbps)

2402MHz_TX

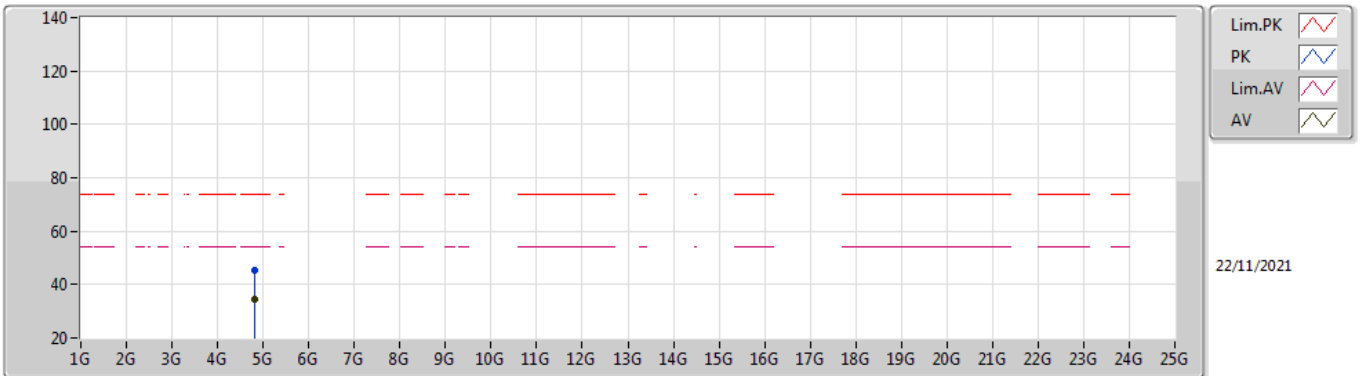


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.80455G	46.46	74.00	-27.54	40.87	3	Vertical	308	1.58	-	32.72	5.10	32.23
AV	4.80407G	35.41	54.00	-18.59	29.82	3	Vertical	308	1.58	-	32.72	5.10	32.23

BT-BR(1Mbps)

2402MHz_TX

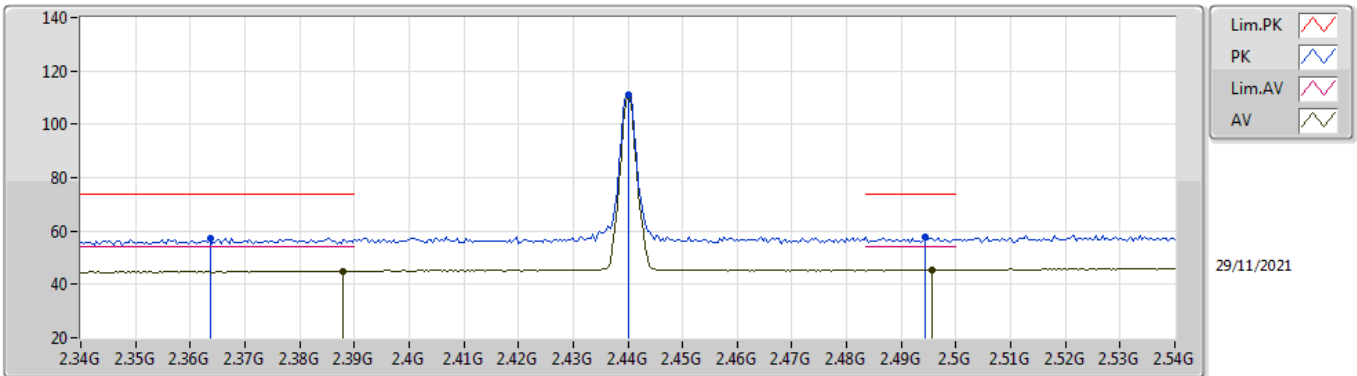


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80428G	45.54	74.00	-28.46	39.95	3	Horizontal	220	3.00	-	32.72	5.10	32.23	
AV	4.80404G	34.30	54.00	-19.70	28.71	3	Horizontal	220	3.00	-	32.72	5.10	32.23	

BT-BR(1Mbps)

2440MHz_TX

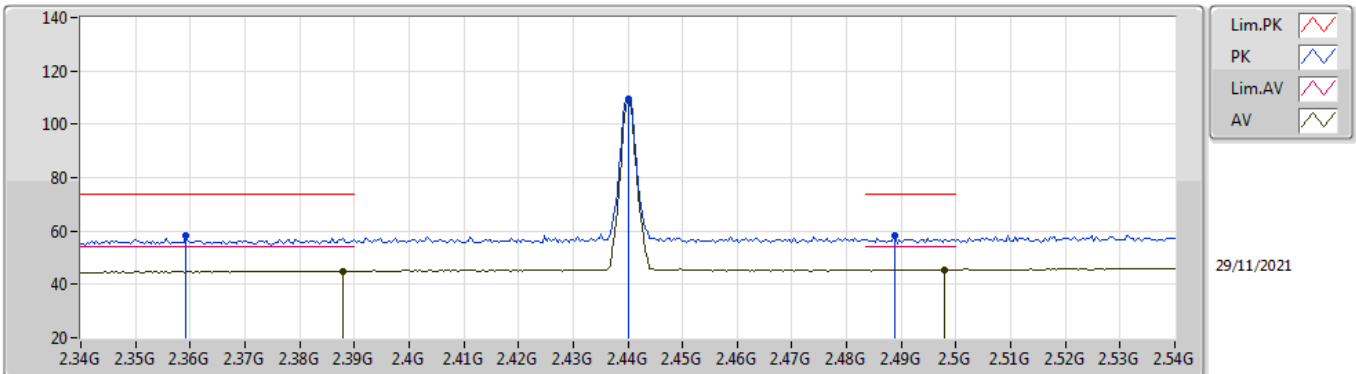


EUT_Z_1TX
Setting 0x59
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3636G	57.48	74.00	-16.52	26.37	3	Vertical	163	1.20	-	28.33	2.78	-	
AV	2.388G	45.08	54.00	-8.92	13.91	3	Vertical	163	1.20	-	28.38	2.79	-	
PK	2.44G	111.29	Inf	-Inf	80.05	3	Vertical	163	1.20	-	28.40	2.84	-	
AV	2.44G	110.43	Inf	-Inf	79.19	3	Vertical	163	1.20	-	28.40	2.84	-	
PK	2.4944G	57.78	74.00	-16.22	26.31	3	Vertical	163	1.20	-	28.58	2.89	-	
AV	2.4956G	45.51	54.00	-8.49	14.03	3	Vertical	163	1.20	-	28.58	2.90	-	

BT-BR(1Mbps)

2440MHz_TX

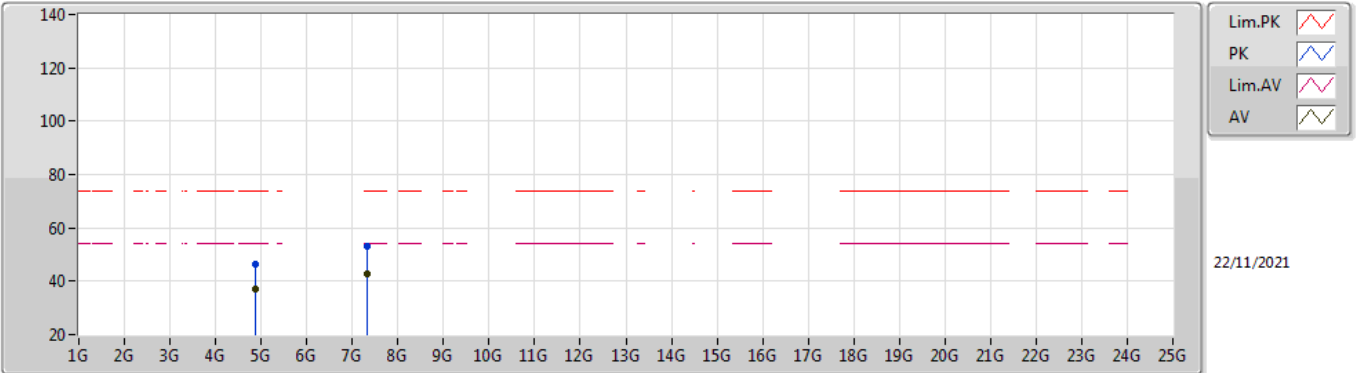


EUT_Z_1TX
Setting 0x59
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3592G	58.07	74.00	-15.93	26.97	3	Horizontal	140	2.47	-	28.32	2.78	-	
AV	2.388G	45.02	54.00	-8.98	13.85	3	Horizontal	140	2.47	-	28.38	2.79	-	
PK	2.44G	109.60	Inf	-Inf	78.36	3	Horizontal	140	2.47	-	28.40	2.84	-	
AV	2.44G	108.71	Inf	-Inf	77.47	3	Horizontal	140	2.47	-	28.40	2.84	-	
PK	2.4888G	58.31	74.00	-15.69	26.86	3	Horizontal	140	2.47	-	28.56	2.89	-	
AV	2.498G	45.40	54.00	-8.60	13.91	3	Horizontal	140	2.47	-	28.59	2.90	-	

BT-BR(1Mbps)

2440MHz_TX

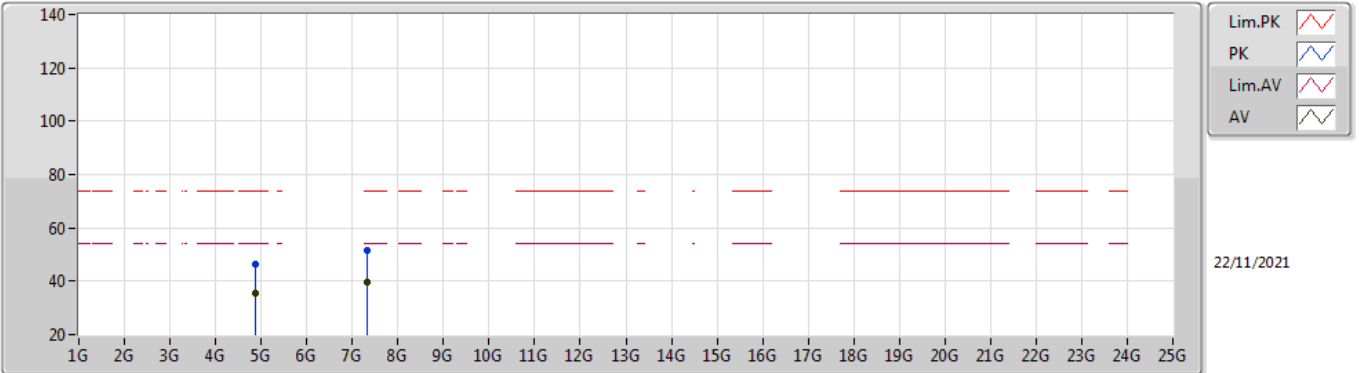


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.88061G	46.24	74.00	-27.76	40.38	3	Vertical	135	1.80	-	32.96	5.10	32.20	
AV	4.88006G	37.03	54.00	-16.97	31.17	3	Vertical	135	1.80	-	32.96	5.10	32.20	
PK	7.32036G	53.12	74.00	-20.88	43.36	3	Vertical	185	1.78	-	36.44	6.16	32.84	
AV	7.32018G	42.61	54.00	-11.39	32.85	3	Vertical	185	1.78	-	36.44	6.16	32.84	

BT-BR(1Mbps)

2440MHz_TX

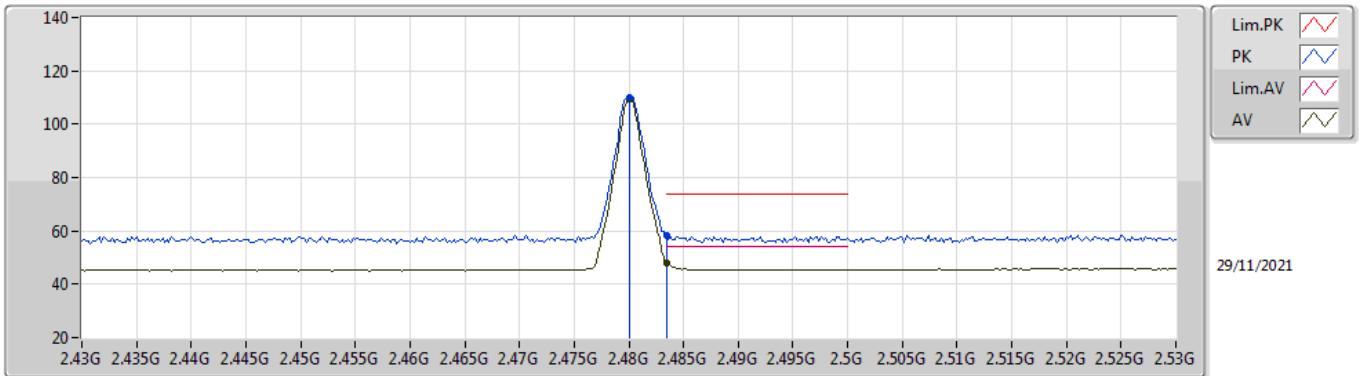


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87983G	46.38	74.00	-27.62	40.52	3	Horizontal	220	3.00	-	32.96	5.10	32.20
AV	4.88005G	35.53	54.00	-18.47	29.67	3	Horizontal	220	3.00	-	32.96	5.10	32.20
PK	7.31963G	51.74	74.00	-22.26	41.98	3	Horizontal	210	1.68	-	36.44	6.16	32.84
AV	7.32017G	39.45	54.00	-14.55	29.69	3	Horizontal	210	1.68	-	36.44	6.16	32.84

BT-BR(1Mbps)

2480MHz_TX

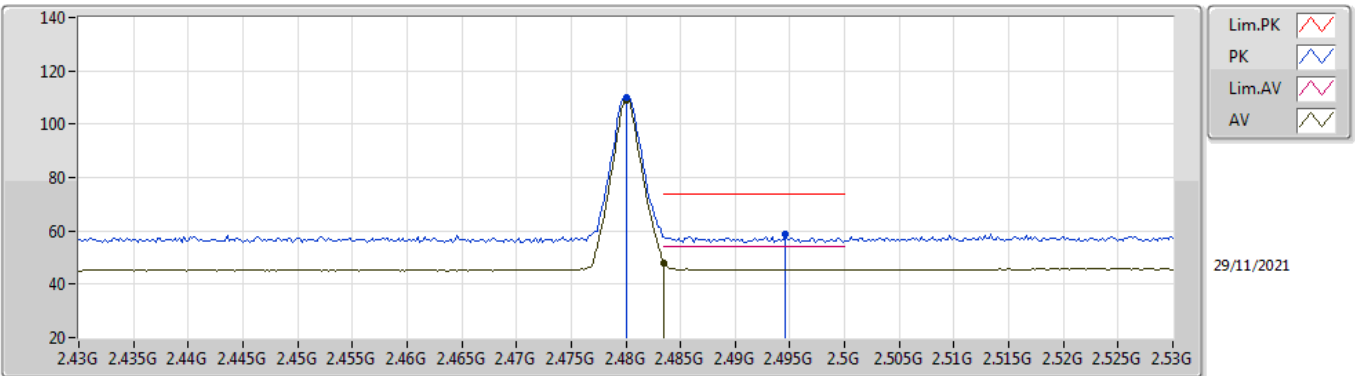


EUT Z_1TX
Setting 0x59
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.48G	110.17	Inf	-Inf	78.77	3	Vertical	162	1.62	-	28.52	2.88	-	
AV	2.48G	109.25	Inf	-Inf	77.85	3	Vertical	162	1.62	-	28.52	2.88	-	
PK	2.4835G	58.09	74.00	-15.91	26.68	3	Vertical	162	1.62	-	28.53	2.88	-	
AV	2.4835G	48.16	54.00	-5.84	16.75	3	Vertical	162	1.62	-	28.53	2.88	-	

BT-BR(1Mbps)

2480MHz_TX

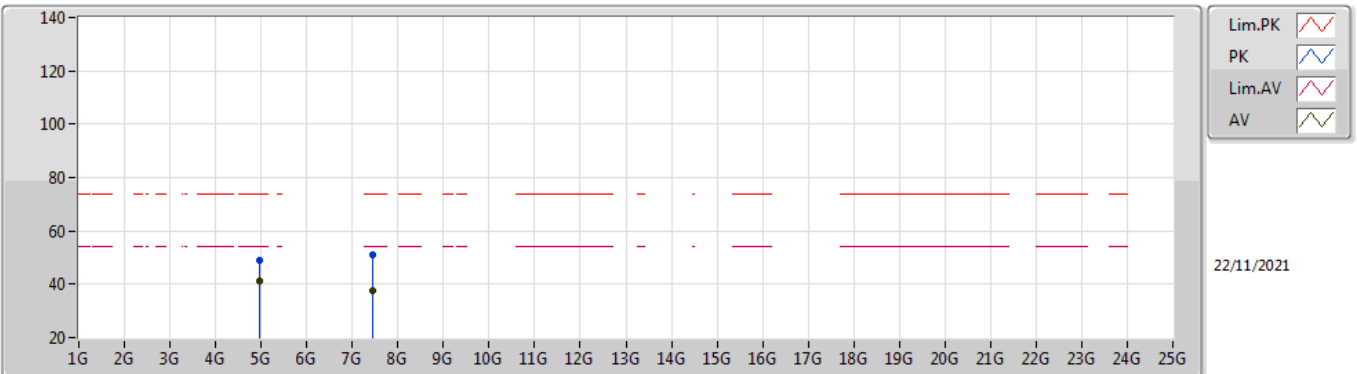


EUT Z_1TX
Setting 0x59
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.48G	109.81	Inf	-Inf	78.41	3	Horizontal	145	2.39	-	28.52	2.88	-	
AV	2.48G	108.95	Inf	-Inf	77.55	3	Horizontal	145	2.39	-	28.52	2.88	-	
PK	2.4946G	58.76	74.00	-15.24	27.29	3	Horizontal	145	2.39	-	28.58	2.89	-	
AV	2.4835G	48.03	54.00	-5.97	16.62	3	Horizontal	145	2.39	-	28.53	2.88	-	

BT-BR(1Mbps)

2480MHz_TX

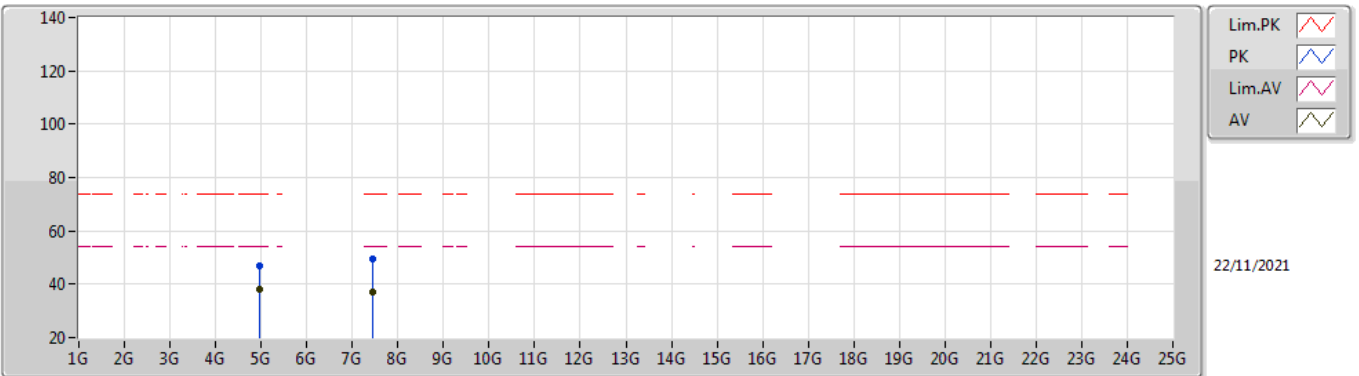


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.95993G	48.79	74.00	-25.21	42.58	3	Vertical	138	2.02	-	33.28	5.10	32.17
AV	4.96G	41.17	54.00	-12.83	34.96	3	Vertical	138	2.02	-	33.28	5.10	32.17
PK	7.44003G	50.93	74.00	-23.07	41.26	3	Vertical	126	1.80	-	36.52	6.20	33.05
AV	7.43995G	37.36	54.00	-16.64	27.69	3	Vertical	126	1.80	-	36.52	6.20	33.05

BT-BR(1Mbps)

2480MHz_TX

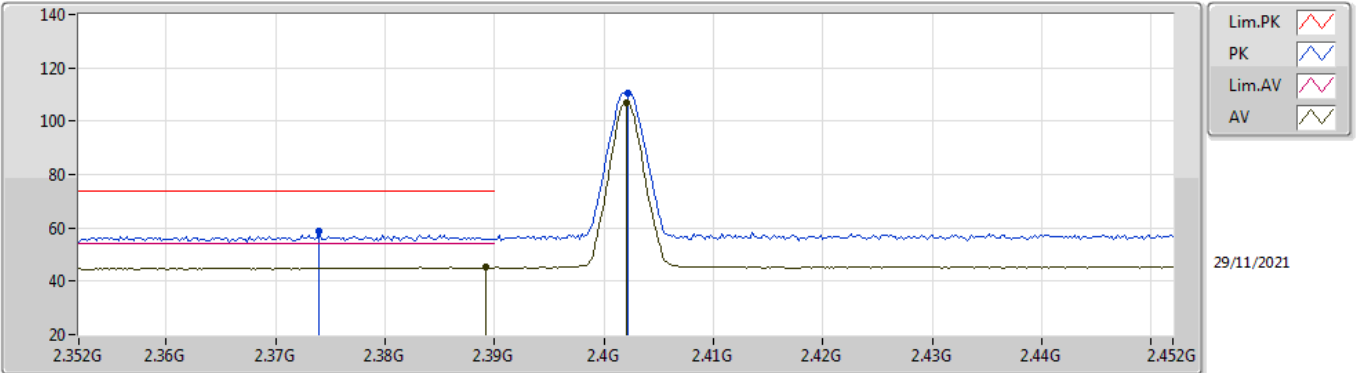


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.96032G	47.15	74.00	-26.85	40.94	3	Horizontal	223	3.00	-	33.28	5.10	32.17	
AV	4.96002G	38.35	54.00	-15.65	32.14	3	Horizontal	223	3.00	-	33.28	5.10	32.17	
PK	7.44049G	49.50	74.00	-24.50	39.83	3	Horizontal	0	2.13	-	36.52	6.20	33.05	
AV	7.43974G	36.89	54.00	-17.11	27.22	3	Horizontal	0	2.13	-	36.52	6.20	33.05	

BT-EDR(3Mbps)

2402MHz_TX

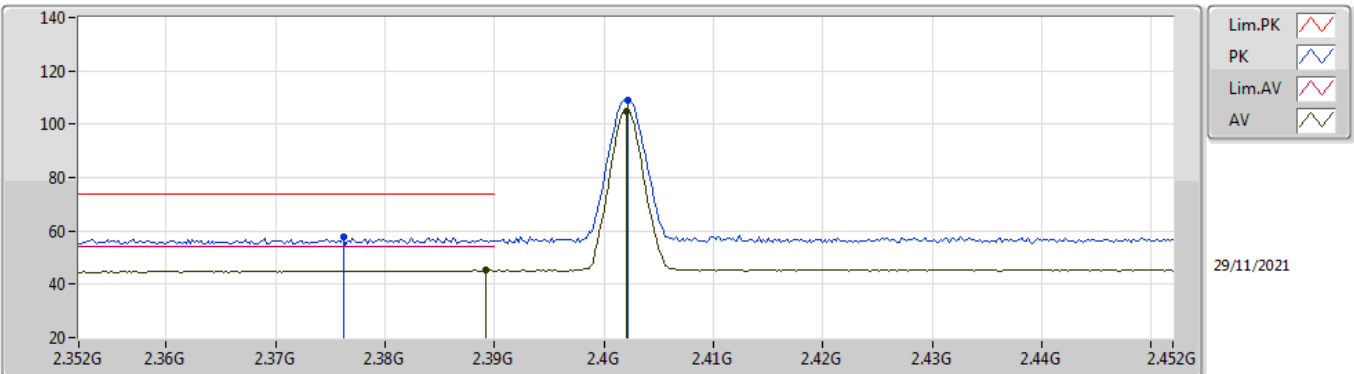


EUT Z_1TX
Setting 0x59
02-B-P-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.374G	58.65	74.00	-15.35	27.51	3	Vertical	352	1.82	-	28.35	2.79	-	
AV	2.3892G	45.13	54.00	-8.87	13.96	3	Vertical	352	1.82	-	28.38	2.79	-	
PK	2.4022G	110.61	Inf	-Inf	79.41	3	Vertical	352	1.82	-	28.40	2.80	-	
AV	2.402G	106.77	Inf	-Inf	75.57	3	Vertical	352	1.82	-	28.40	2.80	-	

BT-EDR(3Mbps)

2402MHz_TX

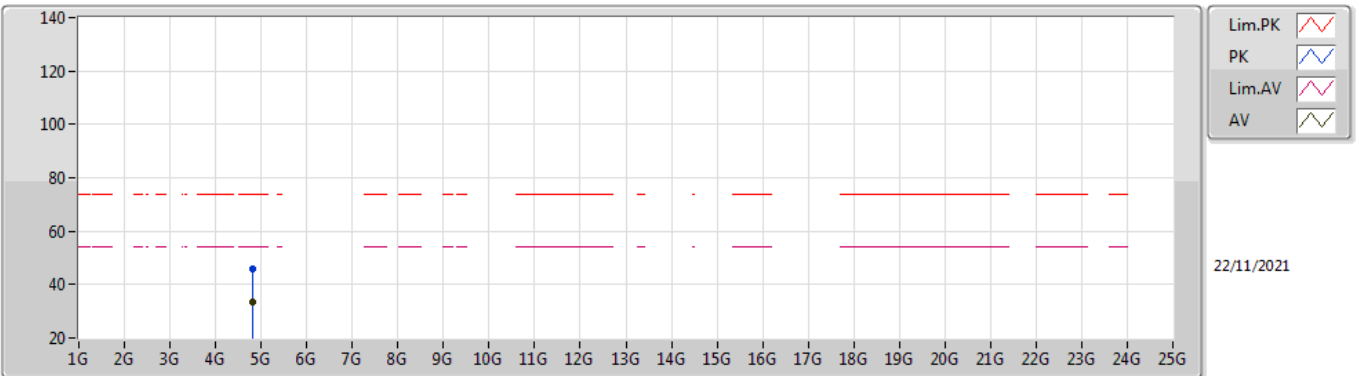


EUT Z_1TX
Setting 0x59
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4022G	108.81	Inf	-Inf	77.61	3	Horizontal	145	2.26	-	28.40	2.80	-	
AV	2.402G	104.97	Inf	-Inf	73.77	3	Horizontal	145	2.26	-	28.40	2.80	-	
PK	2.3762G	57.98	74.00	-16.02	26.84	3	Horizontal	145	2.26	-	28.35	2.79	-	
AV	2.3892G	45.12	54.00	-8.88	13.95	3	Horizontal	145	2.26	-	28.38	2.79	-	

BT-EDR(3Mbps)

2402MHz_TX

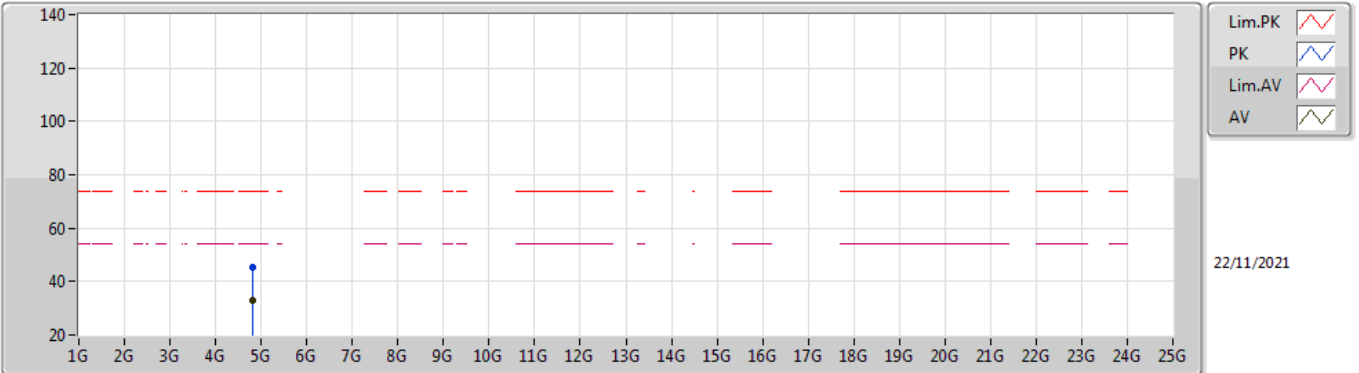


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80401G	45.96	74.00	-28.04	40.37	3	Vertical	302	1.60	-	32.72	5.10	32.23	
AV	4.80412G	33.52	54.00	-20.48	27.93	3	Vertical	302	1.60	-	32.72	5.10	32.23	

BT-EDR(3Mbps)

2402MHz_TX

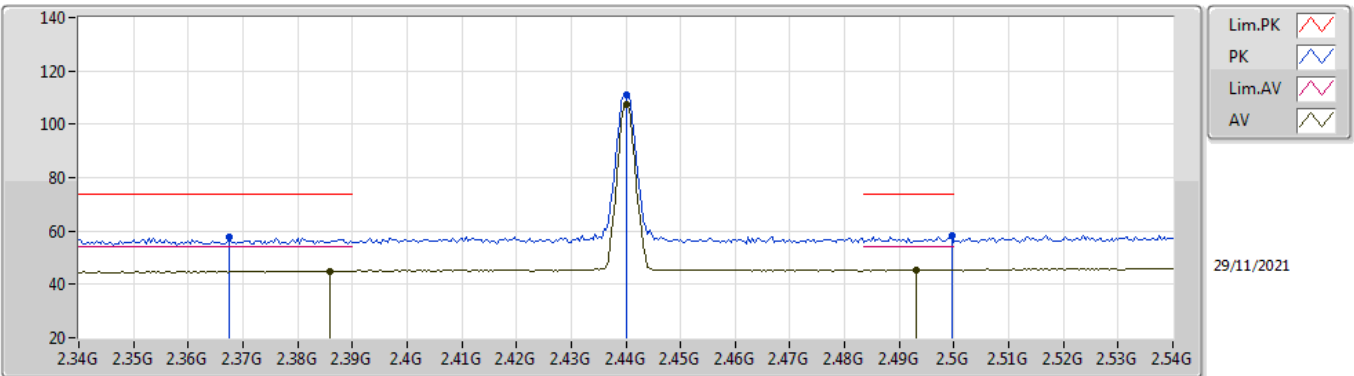


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80421G	45.30	74.00	-28.70	39.71	3	Horizontal	219	3.00	-	32.72	5.10	32.23	
AV	4.80417G	32.70	54.00	-21.30	27.11	3	Horizontal	219	3.00	-	32.72	5.10	32.23	

BT-EDR(3Mbps)

2440MHz_TX

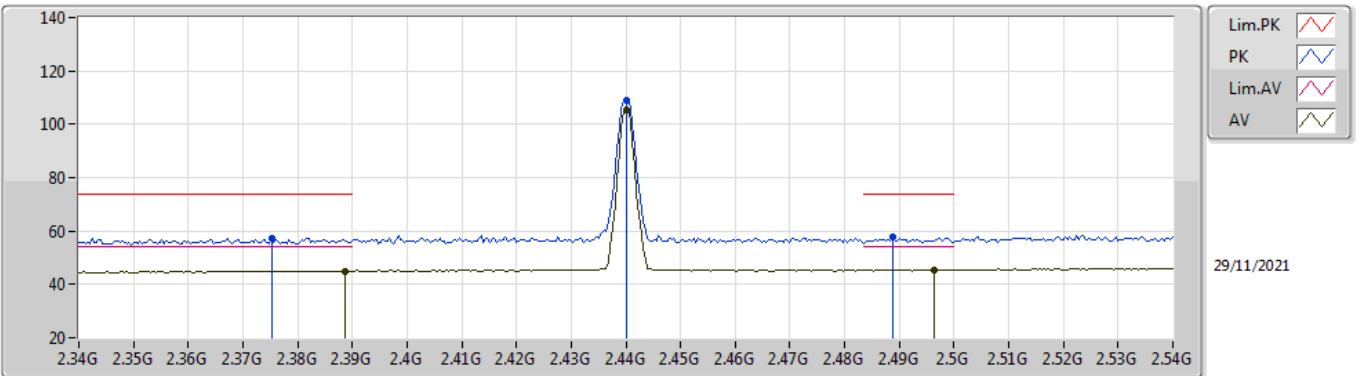


EUT_Z_1TX
Setting 0x59
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.44G	111.00	Inf	-Inf	79.76	3	Vertical	170	1.36	-	28.40	2.84	-	
AV	2.44G	107.23	Inf	-Inf	75.99	3	Vertical	170	1.36	-	28.40	2.84	-	
PK	2.4996G	58.17	74.00	-15.83	26.67	3	Vertical	170	1.36	-	28.60	2.90	-	
AV	2.4932G	45.51	54.00	-8.49	14.05	3	Vertical	170	1.36	-	28.57	2.89	-	
AV	2.386G	45.04	54.00	-8.96	13.88	3	Vertical	170	1.36	-	28.37	2.79	-	
PK	2.3676G	57.61	74.00	-16.39	26.49	3	Vertical	170	1.36	-	28.34	2.78	-	

BT-EDR(3Mbps)

2440MHz_TX

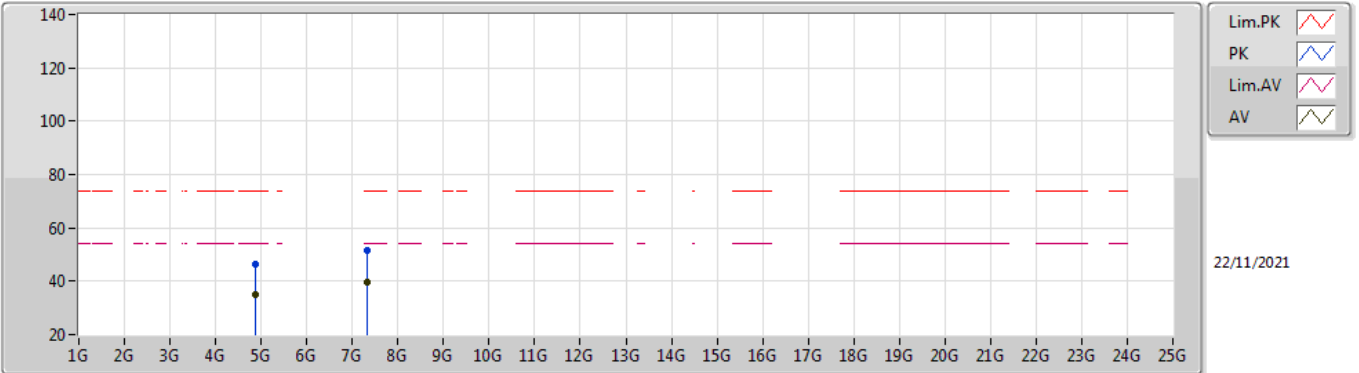


EUT_Z_1TX
Setting 0x59
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3752G	57.47	74.00	-16.53	26.33	3	Horizontal	158	2.22	-	28.35	2.79	-	
AV	2.3888G	45.07	54.00	-8.93	13.90	3	Horizontal	158	2.22	-	28.38	2.79	-	
PK	2.44G	109.18	Inf	-Inf	77.94	3	Horizontal	158	2.22	-	28.40	2.84	-	
AV	2.44G	105.42	Inf	-Inf	74.18	3	Horizontal	158	2.22	-	28.40	2.84	-	
PK	2.4888G	57.52	74.00	-16.48	26.07	3	Horizontal	158	2.22	-	28.56	2.89	-	
AV	2.4964G	45.48	54.00	-8.52	13.99	3	Horizontal	158	2.22	-	28.59	2.90	-	

BT-EDR(3Mbps)

2440MHz_TX

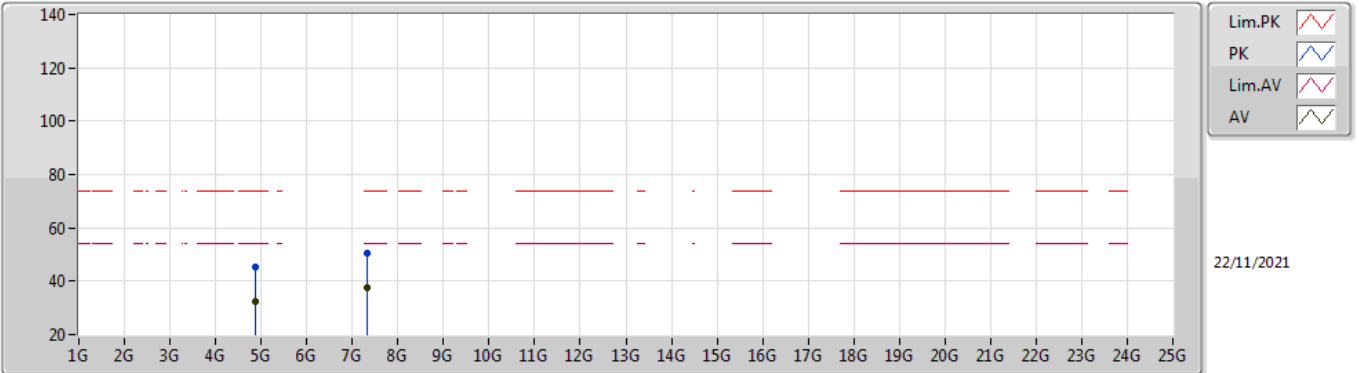


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.88052G	46.37	74.00	-27.63	40.51	3	Vertical	304	1.76	-	32.96	5.10	32.20
AV	4.88007G	34.80	54.00	-19.20	28.94	3	Vertical	304	1.76	-	32.96	5.10	32.20
PK	7.32011G	51.74	74.00	-22.26	41.98	3	Vertical	185	1.77	-	36.44	6.16	32.84
AV	7.32002G	39.40	54.00	-14.60	29.64	3	Vertical	185	1.77	-	36.44	6.16	32.84

BT-EDR(3Mbps)

2440MHz_TX

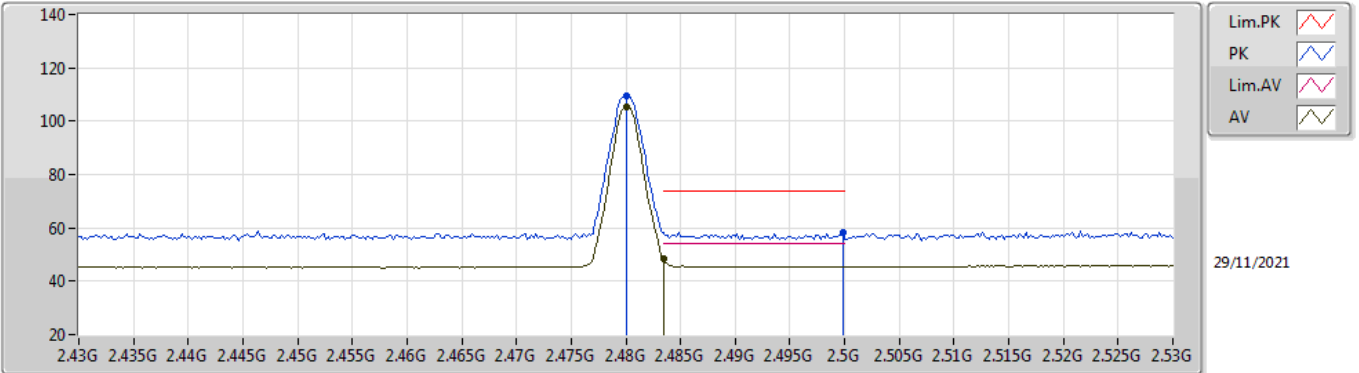


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.87984G	45.23	74.00	-28.77	39.37	3	Horizontal	219	1.85	-	32.96	5.10	32.20	
AV	4.8801G	32.63	54.00	-21.37	26.77	3	Horizontal	219	1.85	-	32.96	5.10	32.20	
PK	7.32011G	50.39	74.00	-23.61	40.63	3	Horizontal	208	1.03	-	36.44	6.16	32.84	
AV	7.32009G	37.49	54.00	-16.51	27.73	3	Horizontal	208	1.03	-	36.44	6.16	32.84	

BT-EDR(3Mbps)

2480MHz_TX

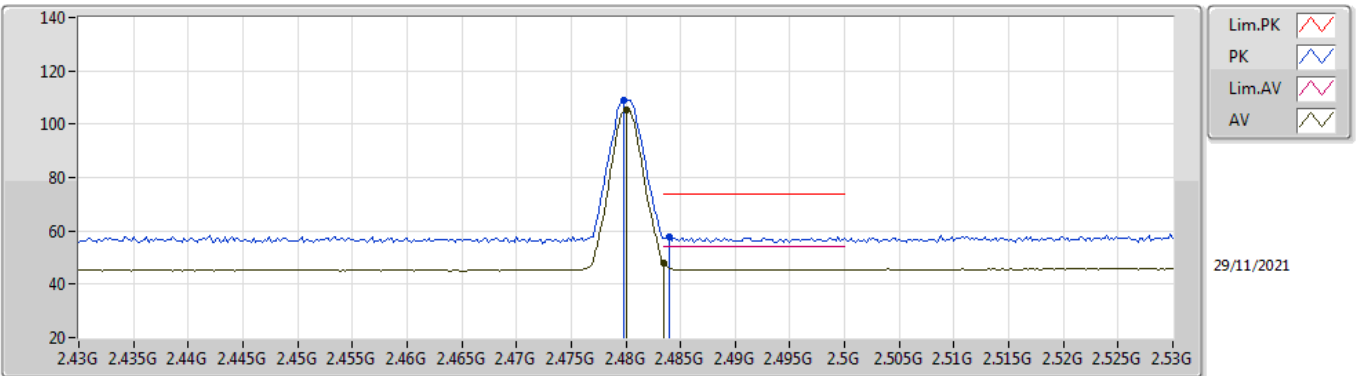


EUT_Z_1TX
Setting 0x59
02-B-P-2

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.48G	109.32	Inf	-Inf	77.92	3	Vertical	160	1.75	-	28.52	2.88	-	
AV	2.48G	105.37	Inf	-Inf	73.97	3	Vertical	160	1.75	-	28.52	2.88	-	
PK	2.4998G	58.30	74.00	-15.70	26.80	3	Vertical	160	1.75	-	28.60	2.90	-	
AV	2.4835G	48.23	54.00	-5.77	16.82	3	Vertical	160	1.75	-	28.53	2.88	-	

BT-EDR(3Mbps)

2480MHz_TX

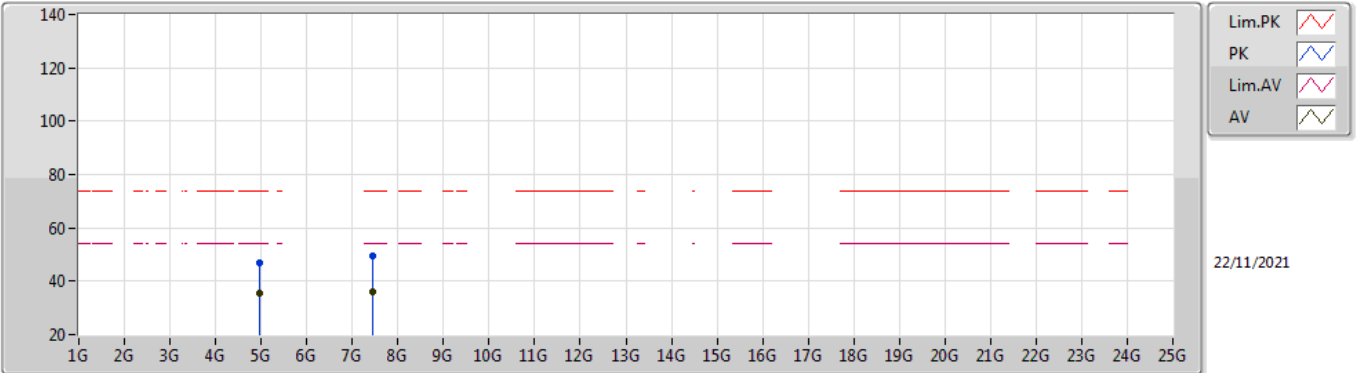


EUT Z_1TX
Setting 0x59
02-B-P-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4798G	109.10	Inf	-Inf	77.70	3	Horizontal	147	2.40	-	28.52	2.88	-	
AV	2.48G	105.18	Inf	-Inf	73.78	3	Horizontal	147	2.40	-	28.52	2.88	-	
PK	2.484G	57.79	74.00	-16.21	26.37	3	Horizontal	147	2.40	-	28.54	2.88	-	
AV	2.4835G	47.87	54.00	-6.13	16.46	3	Horizontal	147	2.40	-	28.53	2.88	-	

BT-EDR(3Mbps)

2480MHz_TX

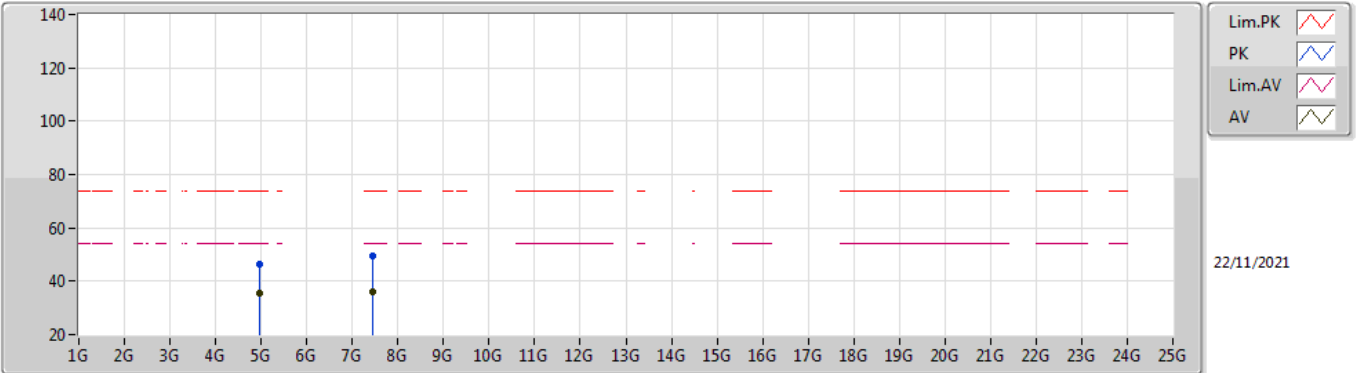


EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.96008G	46.89	74.00	-27.11	40.68	3	Vertical	303	1.80	-	33.28	5.10	32.17
AV	4.95997G	35.66	54.00	-18.34	29.45	3	Vertical	303	1.80	-	33.28	5.10	32.17
PK	7.43957G	49.45	74.00	-24.55	39.77	3	Vertical	138	1.97	-	36.52	6.20	33.04
AV	7.44054G	36.24	54.00	-17.76	26.57	3	Vertical	138	1.97	-	36.52	6.20	33.05

BT-EDR(3Mbps)

2480MHz_TX



EUT_Z_1TX
Setting 0x59
02-B-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.96016G	46.15	74.00	-27.85	39.94	3	Horizontal	220	2.05	-	33.28	5.10	32.17
AV	4.96012G	35.37	54.00	-18.63	29.16	3	Horizontal	220	2.05	-	33.28	5.10	32.17
PK	7.43773G	49.59	74.00	-24.41	39.91	3	Horizontal	350	1.80	-	36.52	6.20	33.04
AV	7.43965G	36.18	54.00	-17.82	26.50	3	Horizontal	350	1.80	-	36.52	6.20	33.04

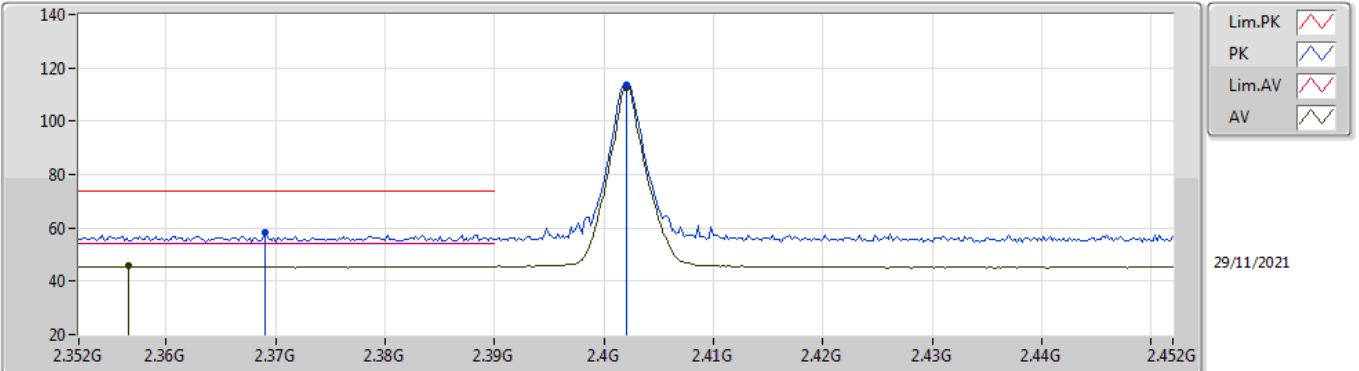


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-EDR(3Mbps)	Pass	AV	2.4836G	49.86	54.00	-4.14	3	Vertical	58	2.05	-

BT-BR(1Mbps)

2402MHz_TX

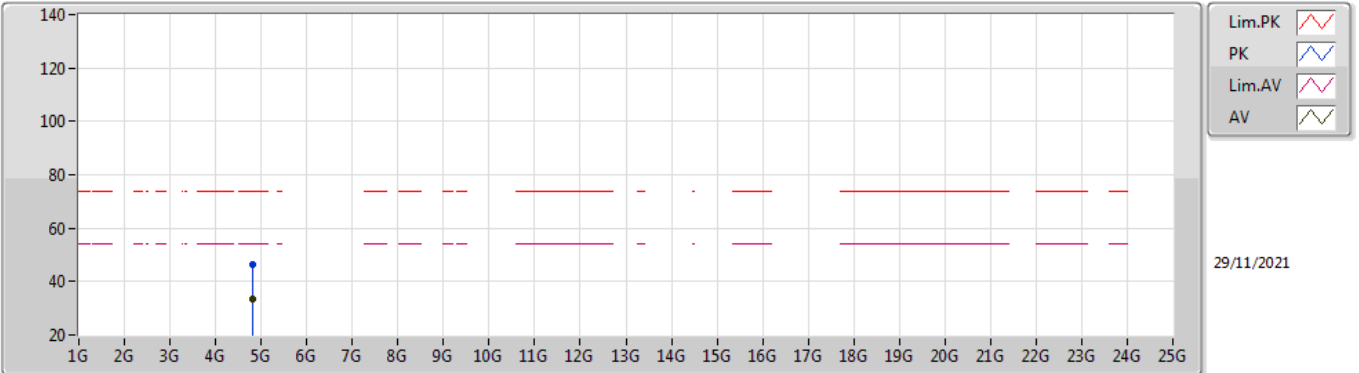


EUT_V_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.369G	58.06	74.00	-15.94	25.33	3	Vertical	356	1.57	-	28.36	4.37	-	
AV	2.3566G	45.83	54.00	-8.17	13.08	3	Vertical	356	1.57	-	28.39	4.36	-	
PK	2.402G	113.65	Inf	-Inf	80.95	3	Vertical	356	1.57	-	28.30	4.40	-	
AV	2.402G	112.61	Inf	-Inf	79.91	3	Vertical	356	1.57	-	28.30	4.40	-	

BT-BR(1Mbps)

2402MHz_TX

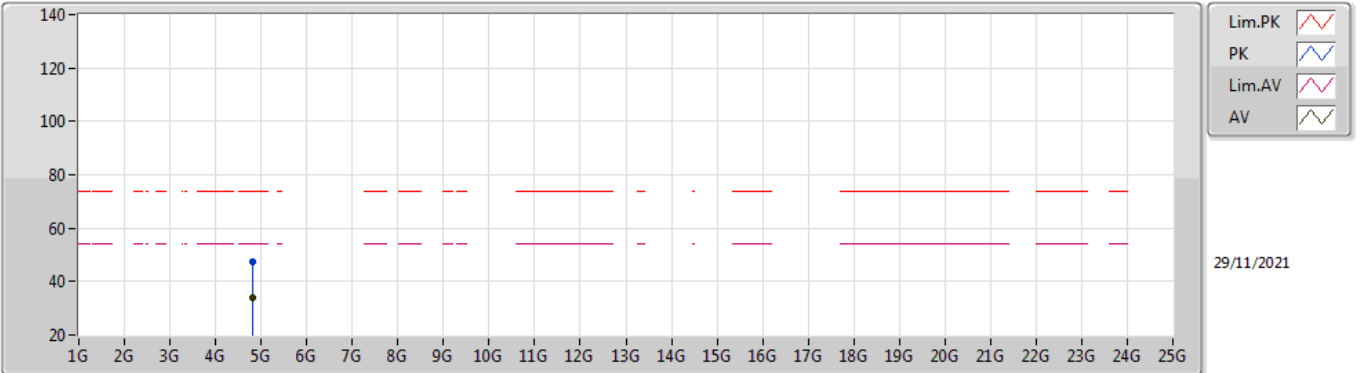


EUT Y_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80556G	46.55	74.00	-27.45	41.48	3	Vertical	45	2.87	-	33.40	7.10	35.43	
AV	4.80388G	33.70	54.00	-20.30	28.63	3	Vertical	45	2.87	-	33.40	7.10	35.43	

BT-BR(1Mbps)

2402MHz_TX

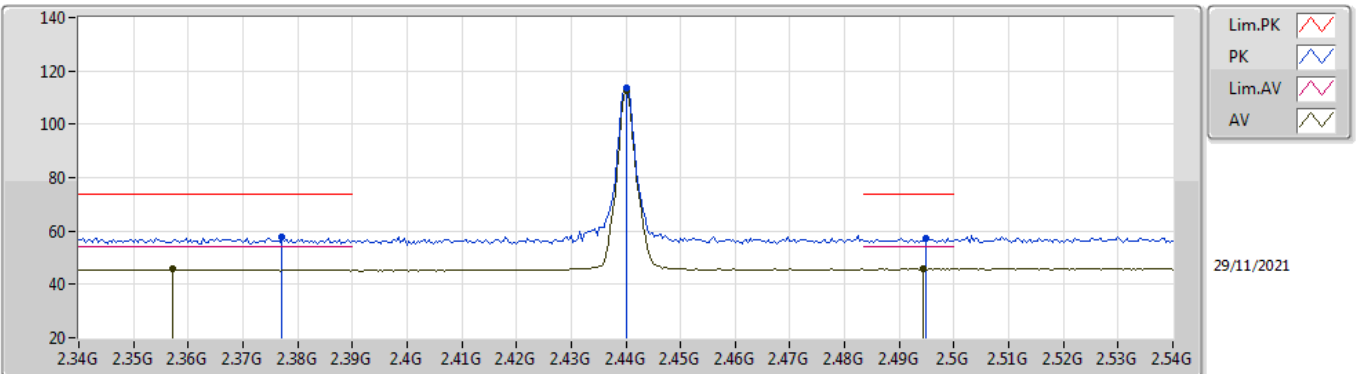


EUT V_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80548G	47.54	74.00	-26.46	42.47	3	Horizontal	30	1.36	-	33.40	7.10	35.43	
AV	4.80527G	33.85	54.00	-20.15	28.78	3	Horizontal	30	1.36	-	33.40	7.10	35.43	

BT-BR(1Mbps)

2440MHz_TX

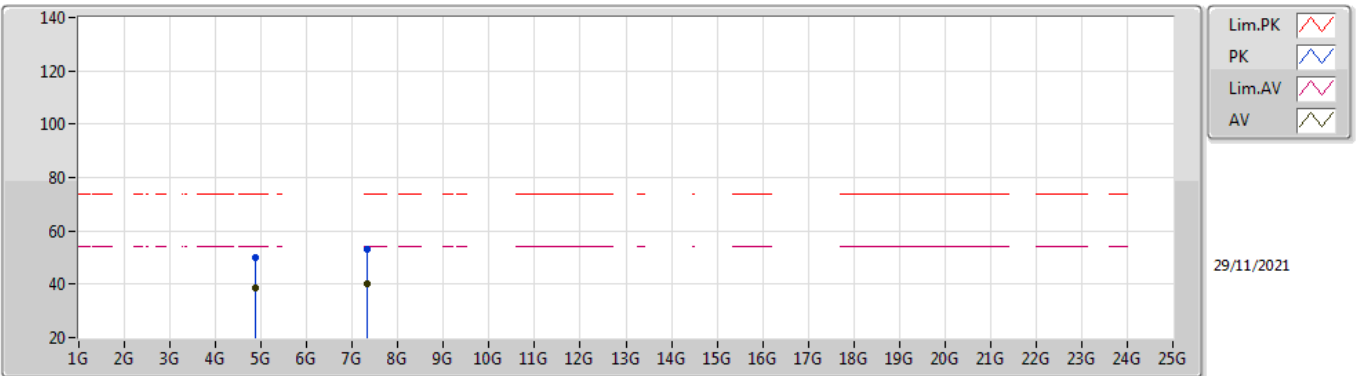


EUT V_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3772G	57.61	74.00	-16.39	24.88	3	Vertical	177	1.80	-	28.35	4.38	-	
AV	2.3572G	45.62	54.00	-8.38	12.87	3	Vertical	177	1.80	-	28.39	4.36	-	
PK	2.44G	113.43	Inf	-Inf	80.63	3	Vertical	177	1.80	-	28.38	4.42	-	
AV	2.44G	112.41	Inf	-Inf	79.61	3	Vertical	177	1.80	-	28.38	4.42	-	
PK	2.4948G	57.25	74.00	-16.75	24.13	3	Vertical	177	1.80	-	28.67	4.45	-	
AV	2.4944G	45.81	54.00	-8.19	12.69	3	Vertical	177	1.80	-	28.67	4.45	-	

BT-BR(1Mbps)

2440MHz_TX

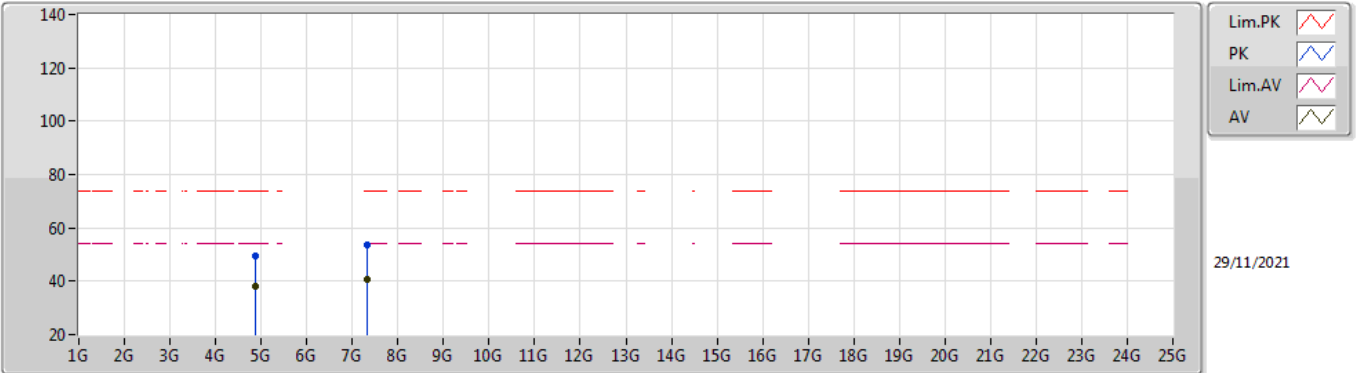


EUT V_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.88011G	49.81	74.00	-24.19	44.62	3	Vertical	175	1.80	-	33.52	7.06	35.39
AV	4.88017G	38.50	54.00	-15.50	33.31	3	Vertical	175	1.80	-	33.52	7.06	35.39
PK	7.32078G	53.01	74.00	-20.99	43.02	3	Vertical	233	2.34	-	37.00	8.56	35.57
AV	7.32005G	40.10	54.00	-13.90	30.11	3	Vertical	233	2.34	-	37.00	8.56	35.57

BT-BR(1Mbps)

2440MHz_TX

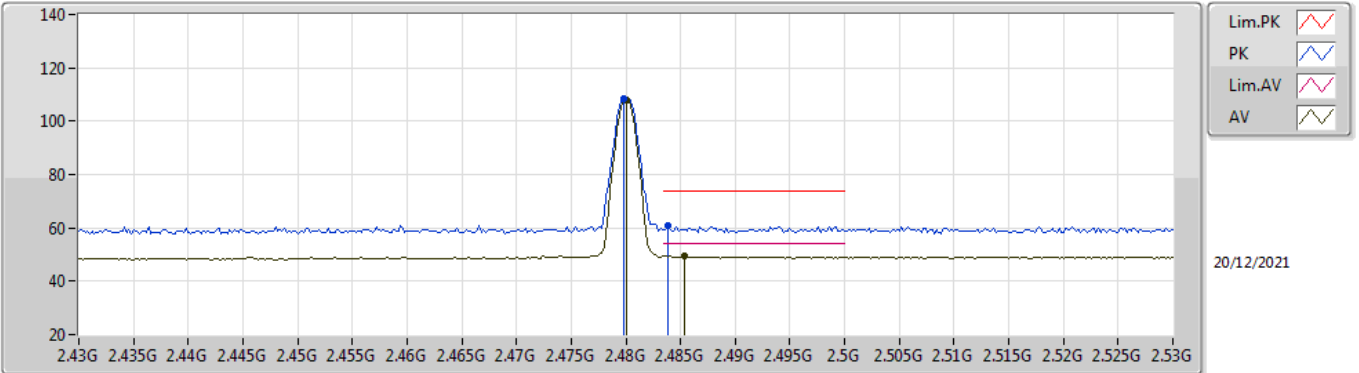


EUT_V_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.88037G	49.46	74.00	-24.54	44.27	3	Horizontal	153	1.80	-	33.52	7.06	35.39
AV	4.88018G	37.95	54.00	-16.05	32.76	3	Horizontal	153	1.80	-	33.52	7.06	35.39
PK	7.32038G	53.66	74.00	-20.34	43.67	3	Horizontal	234	1.75	-	37.00	8.56	35.57
AV	7.32005G	40.77	54.00	-13.23	30.78	3	Horizontal	234	1.75	-	37.00	8.56	35.57

BT-BR(1Mbps)

2480MHz_TX

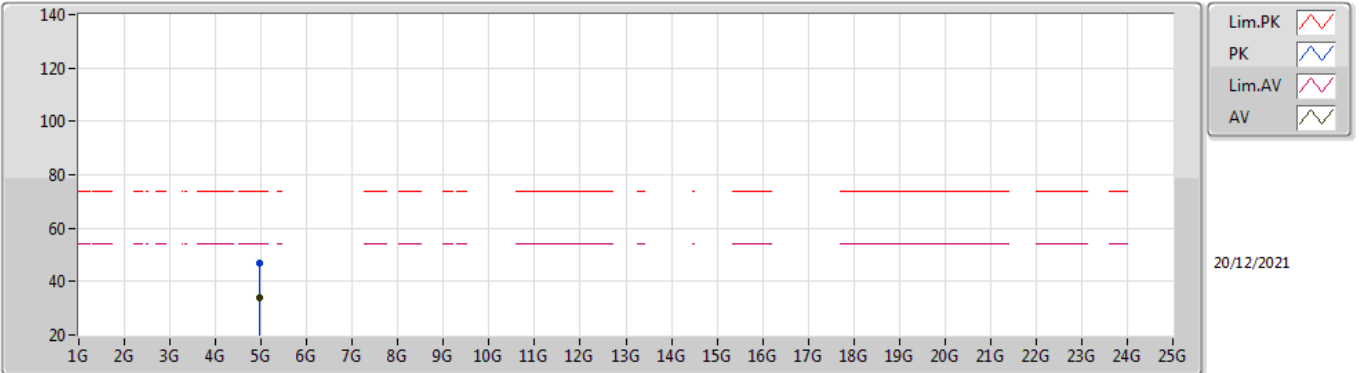


EUT V_1TX
Setting 0x59
03-I-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.4798G	108.40	Inf	-Inf	75.38	3	Vertical	46	1.84	-	28.58	4.44	-	
AV	2.48G	107.90	Inf	-Inf	74.88	3	Vertical	46	1.84	-	28.58	4.44	-	
PK	2.4838G	60.67	74.00	-13.33	27.63	3	Vertical	46	1.84	-	28.60	4.44	-	
AV	2.4854G	49.62	54.00	-4.38	16.57	3	Vertical	46	1.84	-	28.61	4.44	-	

BT-BR(1Mbps)

2480MHz_TX

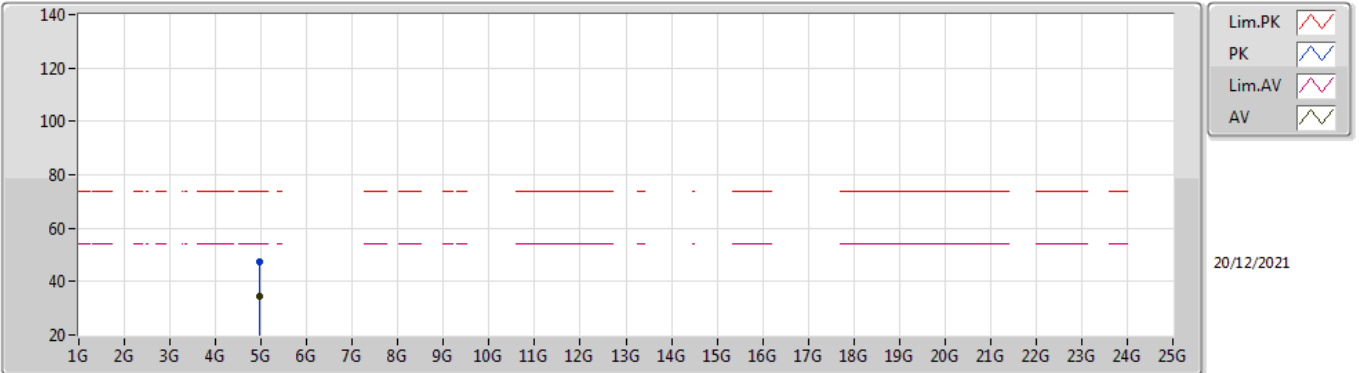


EUT V_1TX
Setting 0x59
03-I-K-4

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.95844G	47.03	74.00	-26.97	41.64	3	Vertical	301	1.58	-	33.72	7.02	35.35	
AV	4.96023G	34.16	54.00	-19.84	28.77	3	Vertical	301	1.58	-	33.72	7.02	35.35	

BT-BR(1Mbps)

2480MHz_TX

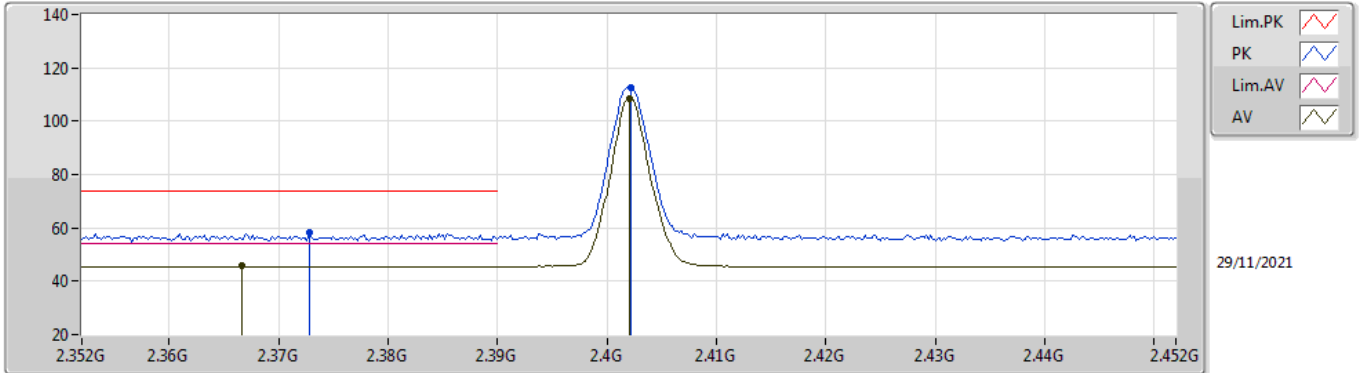


EUT V_1TX
Setting 0x59
03-I-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	4.96063G	47.17	74.00	-26.83	41.78	3	Horizontal	152	1.88	-	33.72	7.02	35.35	
AV	4.95874G	34.47	54.00	-19.53	29.08	3	Horizontal	152	1.88	-	33.72	7.02	35.35	

BT-EDR(3Mbps)

2402MHz_TX

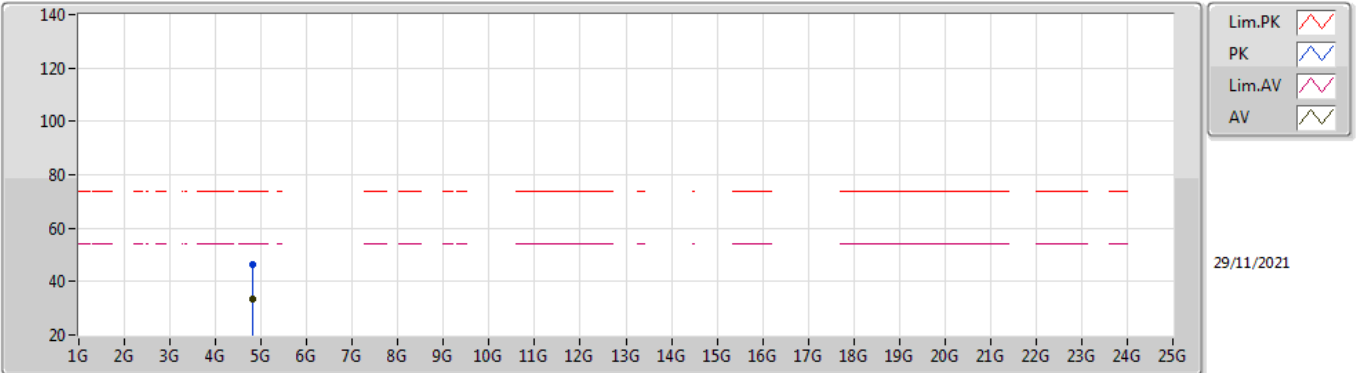


EUT V_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3728G	58.08	74.00	-15.92	25.36	3	Vertical	357	1.55	-	28.35	4.37	-	
AV	2.3666G	45.65	54.00	-8.35	12.91	3	Vertical	357	1.55	-	28.37	4.37	-	
PK	2.4022G	112.59	Inf	-Inf	79.89	3	Vertical	357	1.55	-	28.30	4.40	-	
AV	2.402G	108.51	Inf	-Inf	75.81	3	Vertical	357	1.55	-	28.30	4.40	-	

BT-EDR(3Mbps)

2402MHz_TX

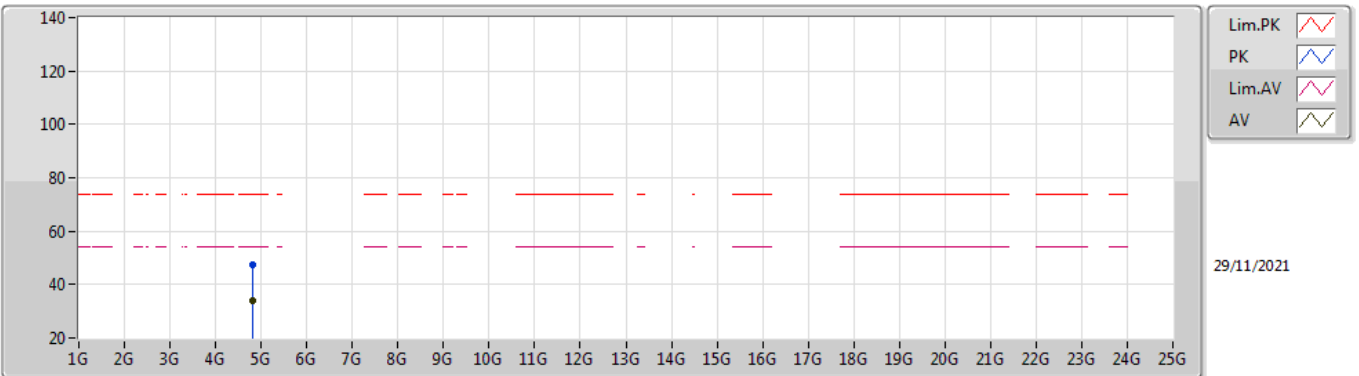


EUT Y_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80254G	46.55	74.00	-27.45	41.48	3	Vertical	21	2.71	-	33.40	7.10	35.43	
AV	4.80591G	33.63	54.00	-20.37	28.56	3	Vertical	21	2.71	-	33.40	7.10	35.43	

BT-EDR(3Mbps)

2402MHz_TX

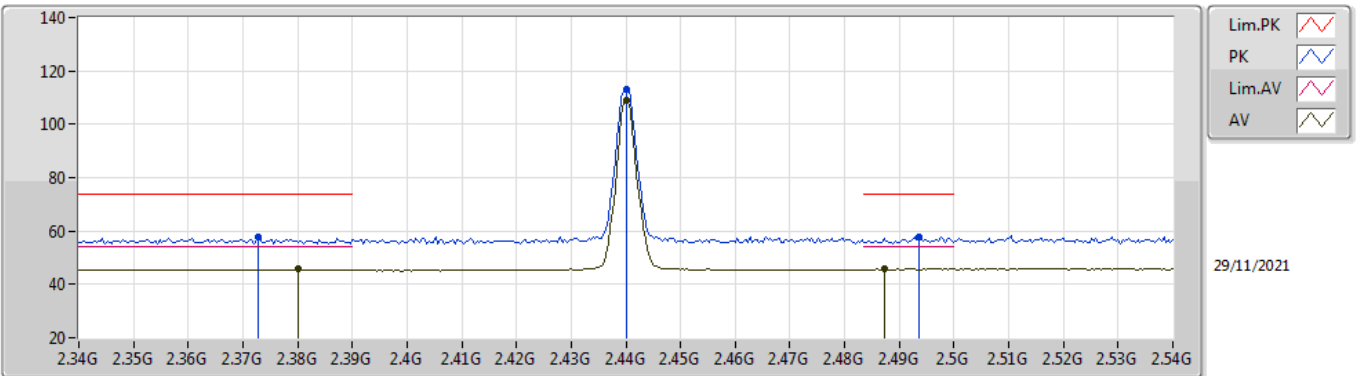


EUT V_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.80416G	47.60	74.00	-26.40	42.53	3	Horizontal	164	2.66	-	33.40	7.10	35.43	
AV	4.80373G	33.83	54.00	-20.17	28.76	3	Horizontal	164	2.66	-	33.40	7.10	35.43	

BT-EDR(3Mbps)

2440MHz_TX

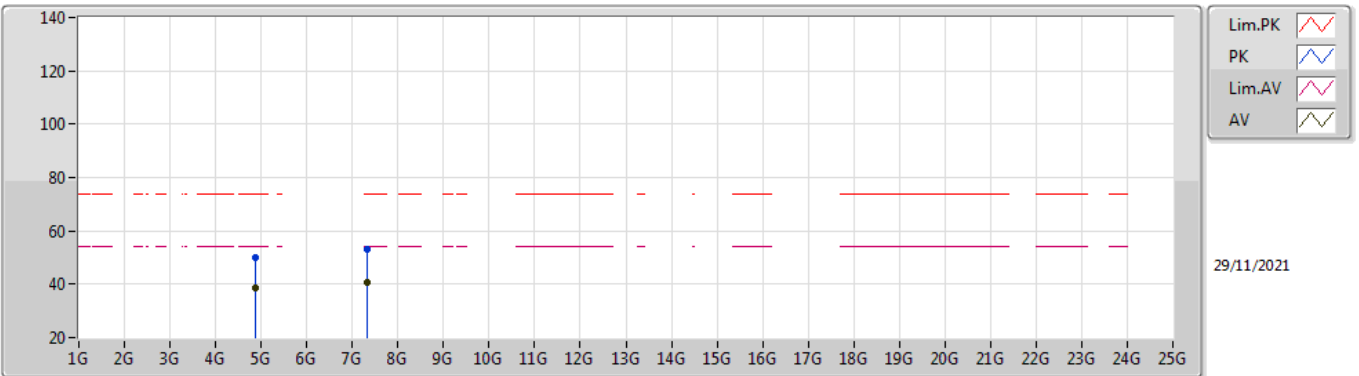


EUT V_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	2.3728G	57.83	74.00	-16.17	25.11	3	Vertical	150	1.89	-	28.35	4.37	-	
AV	2.38G	45.65	54.00	-8.35	12.93	3	Vertical	150	1.89	-	28.34	4.38	-	
PK	2.44G	113.07	Inf	-Inf	80.27	3	Vertical	150	1.89	-	28.38	4.42	-	
AV	2.44G	108.96	Inf	-Inf	76.16	3	Vertical	150	1.89	-	28.38	4.42	-	
PK	2.4936G	57.98	74.00	-16.02	24.87	3	Vertical	150	1.89	-	28.66	4.45	-	
AV	2.4872G	45.87	54.00	-8.13	12.81	3	Vertical	150	1.89	-	28.62	4.44	-	

BT-EDR(3Mbps)

2440MHz_TX

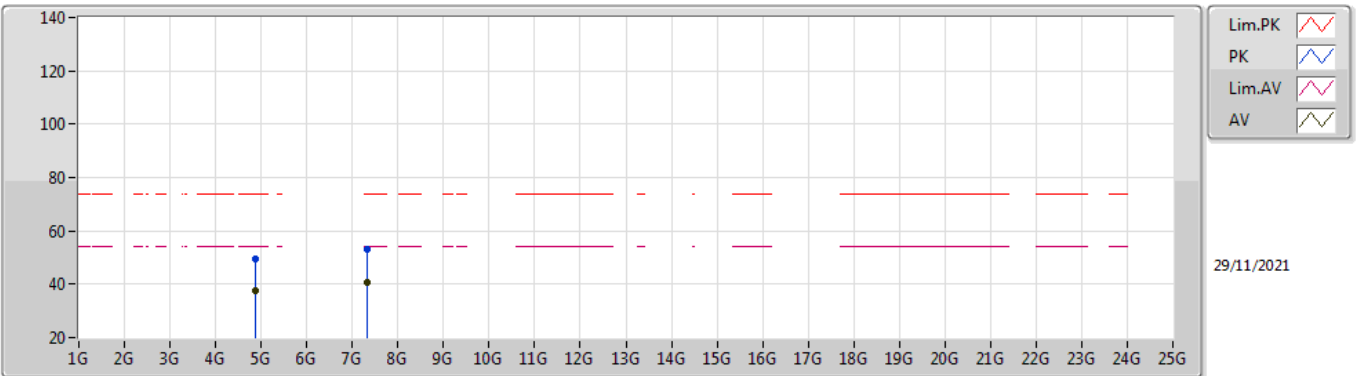


EUT_V_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	4.88008G	50.05	74.00	-23.95	44.86	3	Vertical	176	1.75	-	33.52	7.06	35.39	
AV	4.8799G	38.52	54.00	-15.48	33.33	3	Vertical	176	1.75	-	33.52	7.06	35.39	
PK	7.32033G	53.34	74.00	-20.66	43.35	3	Vertical	164	1.65	-	37.00	8.56	35.57	
AV	7.32008G	40.45	54.00	-13.55	30.46	3	Vertical	164	1.65	-	37.00	8.56	35.57	

BT-EDR(3Mbps)

2440MHz_TX

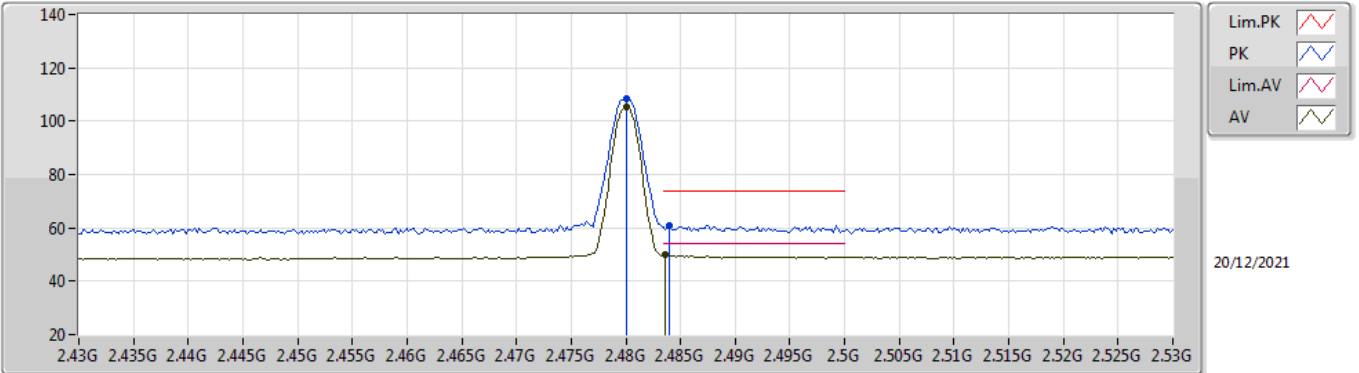


EUT_V_1TX
Setting 0x59
03-C-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87968G	49.61	74.00	-24.39	44.42	3	Horizontal	171	1.80	-	33.52	7.06	35.39
AV	4.87998G	37.78	54.00	-16.22	32.59	3	Horizontal	171	1.80	-	33.52	7.06	35.39
PK	7.32024G	53.04	74.00	-20.96	43.05	3	Horizontal	234	1.81	-	37.00	8.56	35.57
AV	7.31976G	40.74	54.00	-13.26	30.75	3	Horizontal	234	1.81	-	37.00	8.56	35.57

BT-EDR(3Mbps)

2480MHz_TX

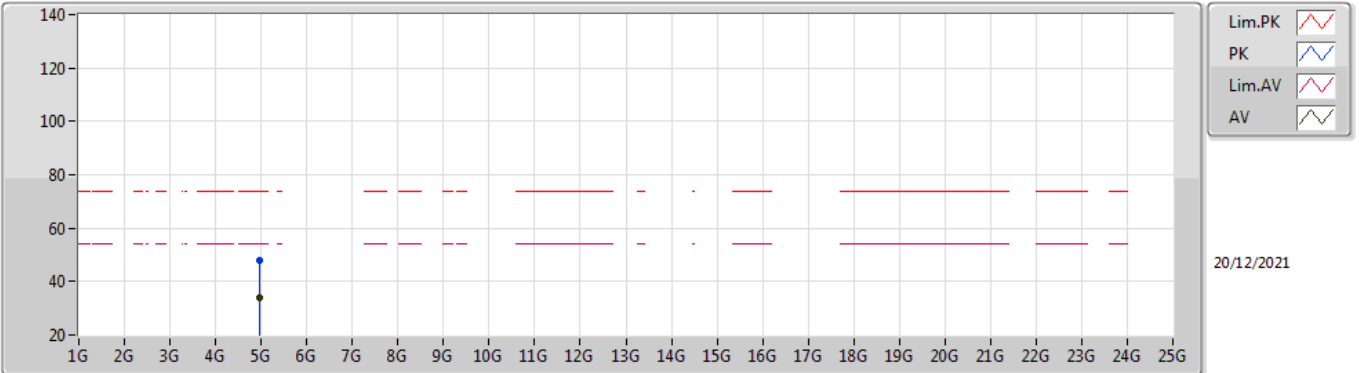


EUT V_1TX
Setting 0x59
03-I-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	2.48G	108.23	Inf	-Inf	75.21	3	Vertical	58	2.05	-	28.58	4.44	-	
AV	2.48G	105.20	Inf	-Inf	72.18	3	Vertical	58	2.05	-	28.58	4.44	-	
PK	2.484G	60.88	74.00	-13.12	27.84	3	Vertical	58	2.05	-	28.60	4.44	-	
AV	2.4836G	49.86	54.00	-4.14	16.82	3	Vertical	58	2.05	-	28.60	4.44	-	

BT-EDR(3Mbps)

2480MHz_TX

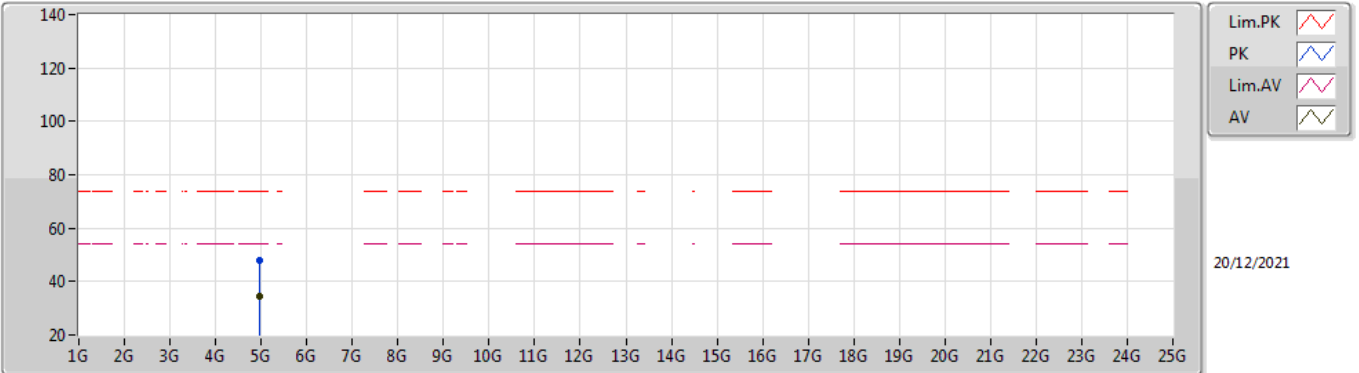


EUT V_1TX
Setting 0x59
03-I-K-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA	
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)	
PK	4.96069G	48.04	74.00	-25.96	42.65	3	Vertical	82	2.91	-	33.72	7.02	35.35	
AV	4.95982G	33.86	54.00	-20.14	28.47	3	Vertical	82	2.91	-	33.72	7.02	35.35	

BT-EDR(3Mbps)

2480MHz_TX



EUT V_1TX
Setting 0x59
03-I-K-4

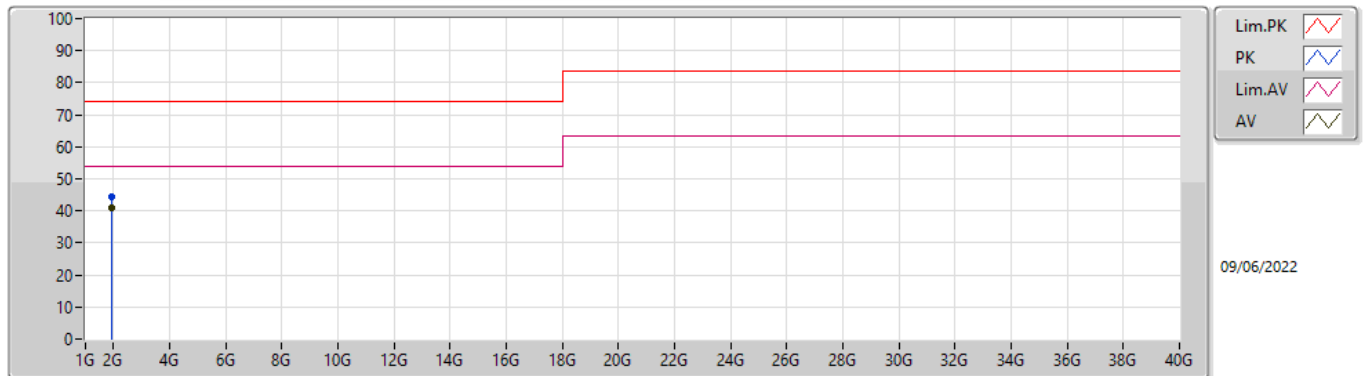
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.95803G	47.71	74.00	-26.29	42.32	3	Horizontal	306	2.89	-	33.72	7.02	35.35
AV	4.96038G	34.40	54.00	-19.60	29.01	3	Horizontal	306	2.89	-	33.72	7.02	35.35



Summary

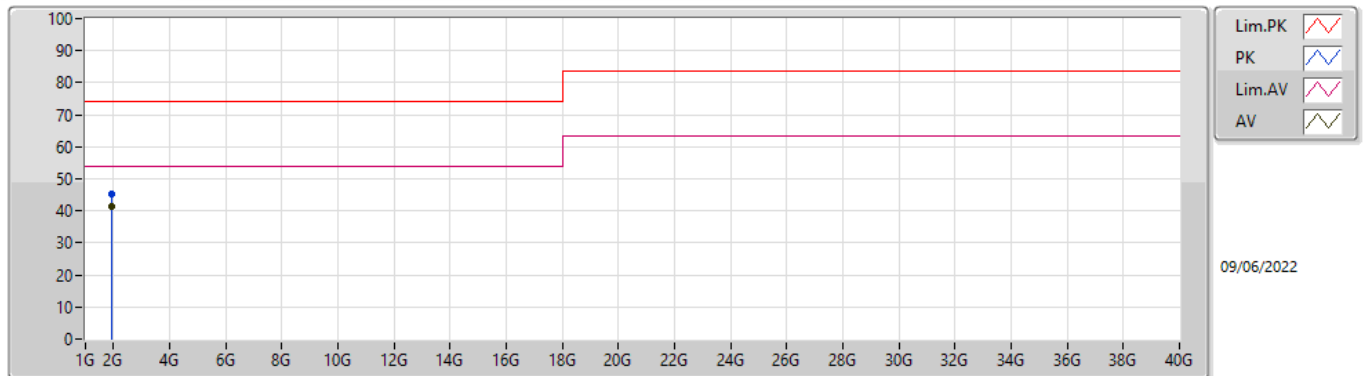
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 5	Pass	AV	1.92003G	41.31	54.00	-12.69	Horizontal

Mode 5



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	1.91998G	44.51	74.00	-29.49	-4.72	3	Vertical	152	1.83	-	49.23	27.06	3.02	34.80
AV	1.91998G	40.77	54.00	-13.23	-4.72	3	Vertical	152	1.83	"Worst"	45.49	27.06	3.02	34.80

Mode 5



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	1.91996G	45.26	74.00	-28.74	-4.72	3	Horizontal	124	2.26	-	49.98	27.06	3.02	34.80
AV	1.92003G	41.31	54.00	-12.69	-4.72	3	Horizontal	124	2.26	"Worst"	46.03	27.06	3.02	34.80

1. Photographs of Conducted Emissions Test Configuration

Test Mode: Mode 2

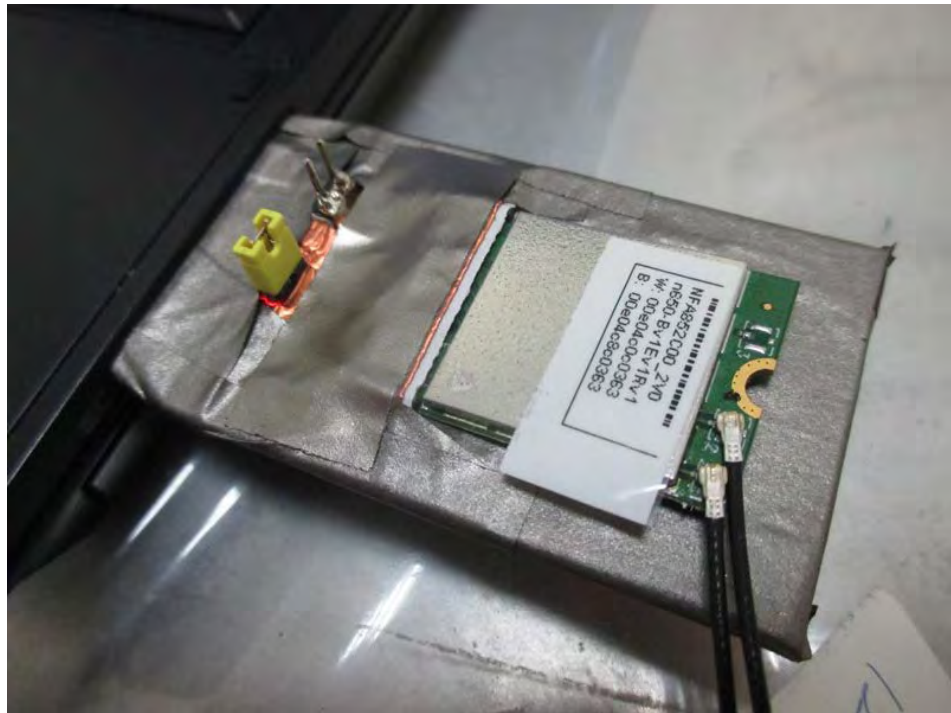
FRONT VIEW



REAR VIEW



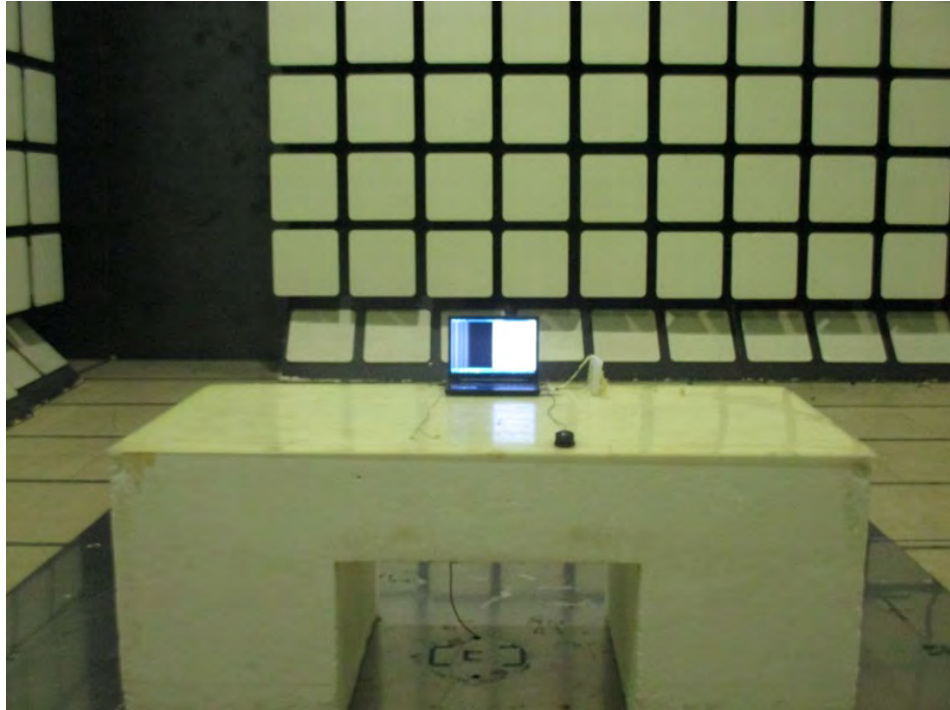
CLOSE VIEW



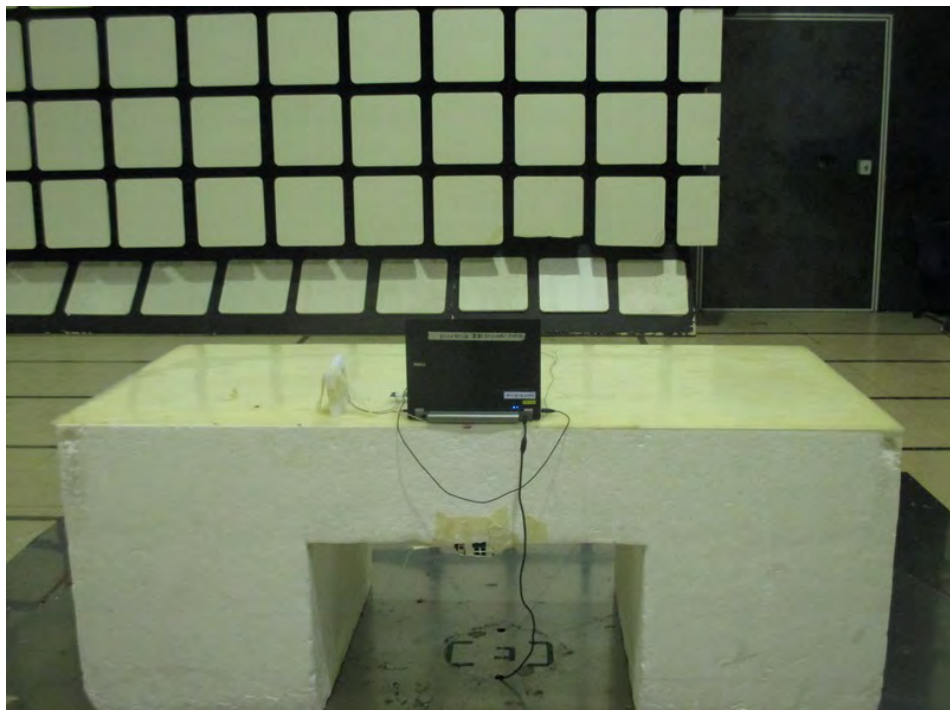
2. Photographs of Radiated Emissions Test Configuration

Test Configuration: 30MHz~1GHz / Test Mode: Mode 3

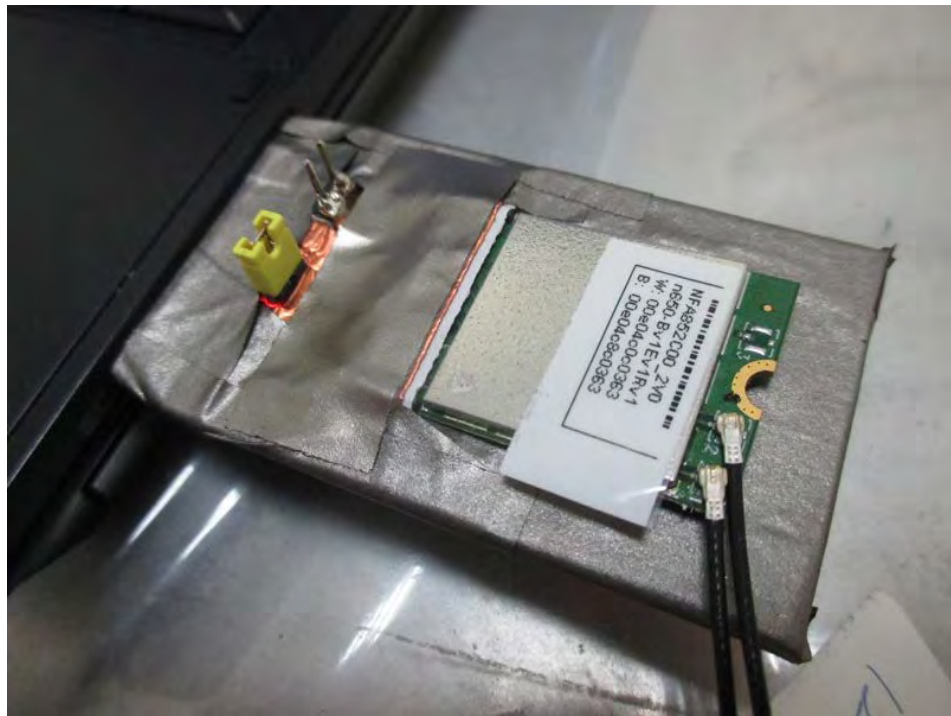
FRONT VIEW



REAR VIEW



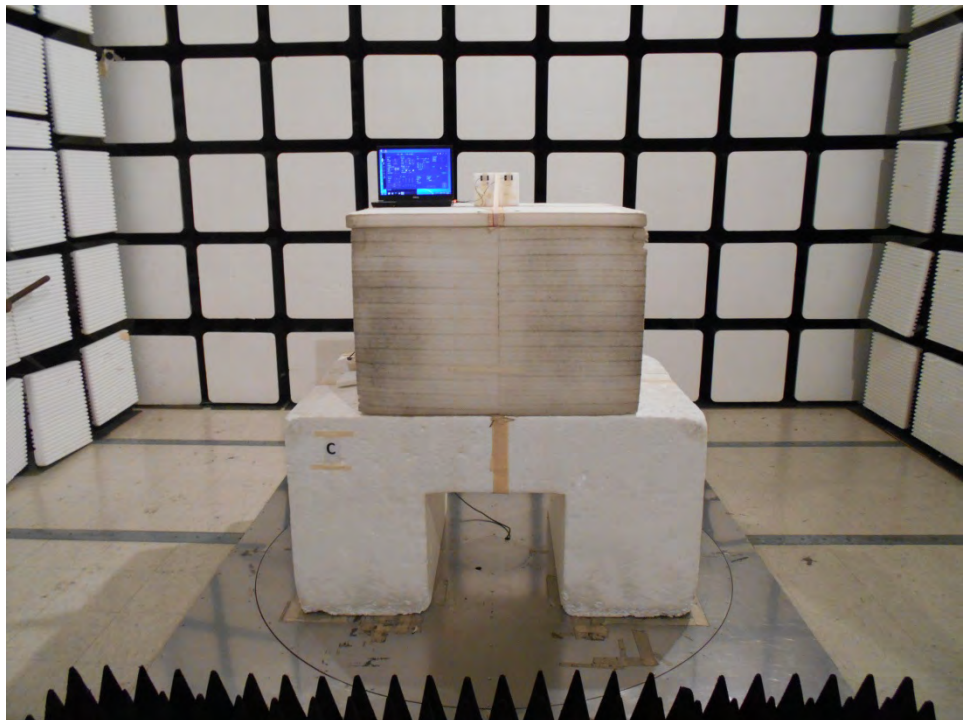
CLOSE VIEW



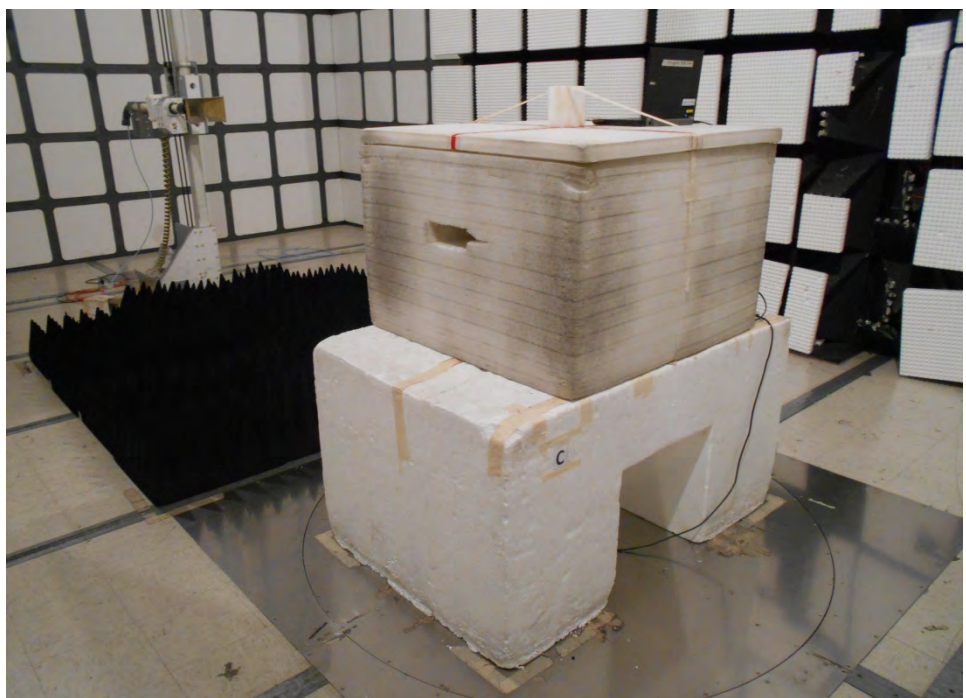
Test Configuration: Above 1GHz

Test Mode: Mode 1

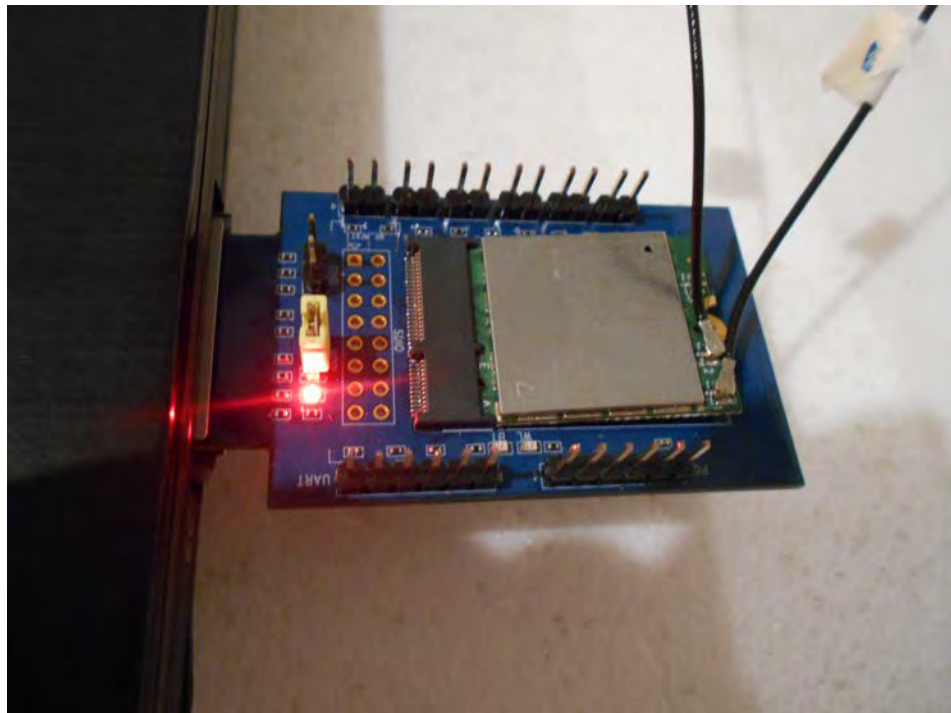
FRONT VIEW



REAR VIEW

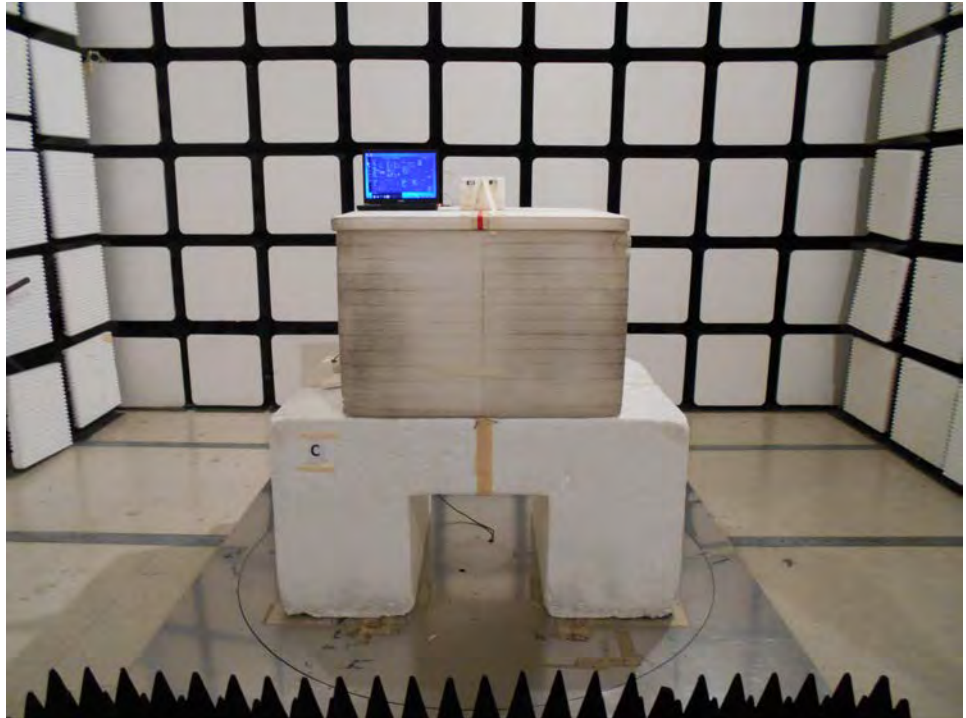


CLOSE VIEW



Test Mode: Mode 2

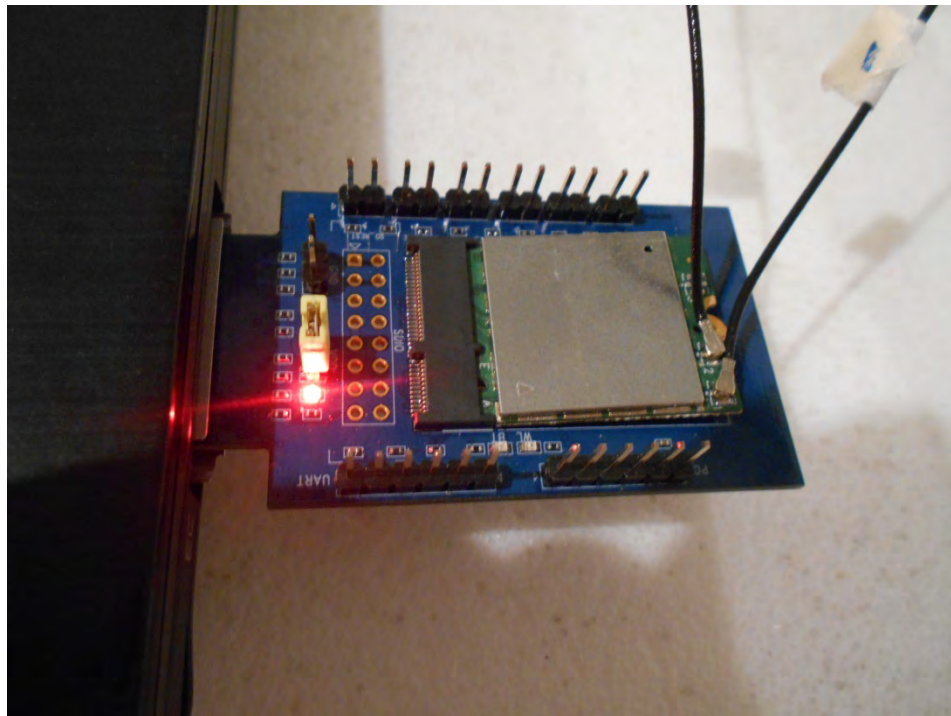
FRONT VIEW



REAR VIEW



CLOSE VIEW

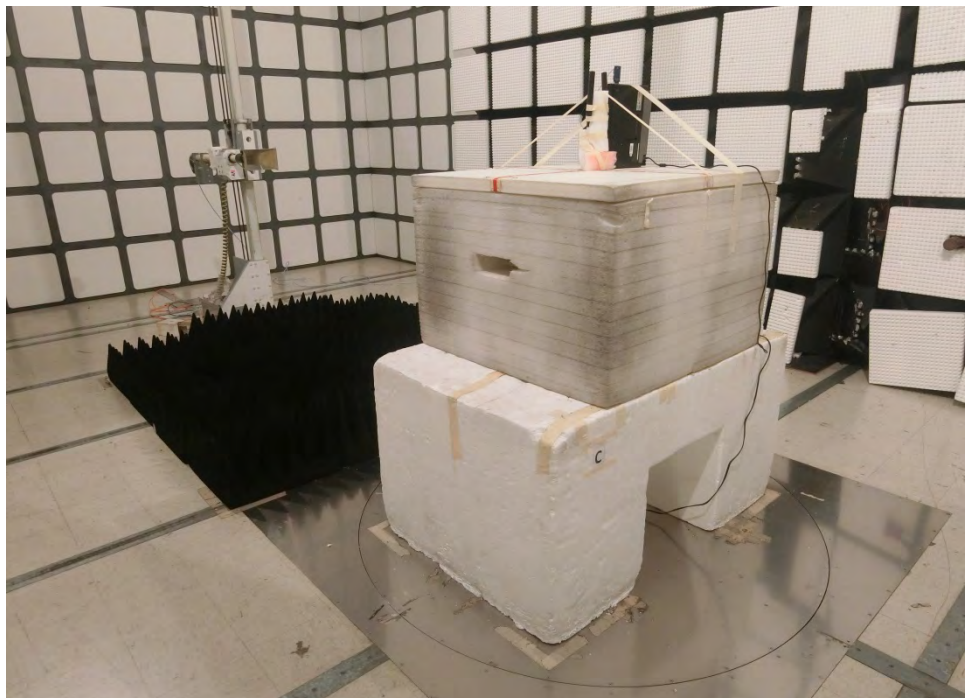


Test Mode: Mode 3

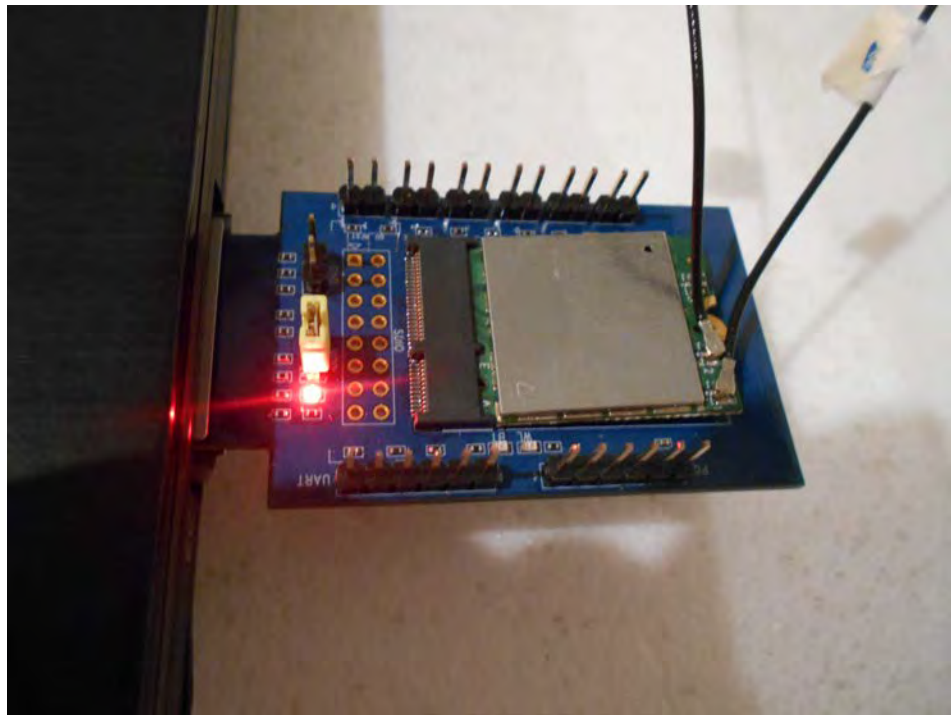
FRONT VIEW



REAR VIEW



CLOSE VIEW



————THE END————