



RADIO TEST REPORT

FCC ID : RAXAIOS65V
Equipment : HEOS 6.5 Platform Module
Brand Name : Arcadyan
Model Name : WN9722NAX22-E7(AIOS6.5 Type-V)
Applicant : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd., Hsinchu, 30071 Taiwan
Manufacturer : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd., Hsinchu, 30071 Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Aug. 24, 2022, and testing was started from Sep. 03, 2022 and completed on Oct. 13, 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
FR282318AC	01	Initial issue of report	Oct. 31, 2022



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	20dB Bandwidth	PASS	-
3.2	15.247(a)	Carrier Frequency Separation	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Band edge	PASS	-
3.5	15.247(a)	Time of Occupancy (Dwell Time)	PASS	-
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.7	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

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: Penny Kao**



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
2.4-2.4835GHz	BT-BR(1Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(2Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(3Mbps)	1	1TX

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	Type	Connector	Gain(dBi)		Cable Loss (dBi)		Net Gain (dBi)		Cable Length (mm)
	WLAN 2.4GHz /BT	WLAN 5GHz					WLAN 2.4GHz /BT	WLAN 5GHz	WLAN 2.4GHz /BT	WLAN 5GHz	WLAN 2.4GHz /BT	WLAN 5GHz	
1	1/2	-	Airgain	N2420DG3-T2L-PK1-G30U	Dipole	I-PEX	3.1	2.8	0.11	0.15	3	2.65	30
2	-	-	Airgain	N2420DG3-T2L-PK1-G100U	Dipole	I-PEX	3.1	2.8	0.35	0.49	2.75	2.31	100
3	-	-	Airgain	N2420DG3-T2L-PK1-G600U	Dipole	I-PEX	3.1	2.8	2.10	2.94	1	-0.14	600
4	-	-	Airgain	N2420DG3-T2L-PK1-G400U	Dipole	I-PEX	3.1	2.8	1.40	1.96	1.7	0.84	400
5	-	-	Airgain	N2420DG3-T2L-PK1-G300U	Dipole	I-PEX	3.1	2.8	1.05	1.47	2.05	1.33	300
6	-	1/2	Airgain	N2425D-T2L-PK1-G30U	PIFA	I-PEX	1.9	3.5	0.11	0.15	1.8	3.35	30
7	-	-	Airgain	N2425D-T2R-PK1-G150U	PIFA	I-PEX	1.9	3.5	0.53	0.74	1.38	2.77	150
8	-	-	Airgain	N2425D-T2R-PK1-G30U	PIFA	I-PEX	1.9	3.5	0.11	0.15	1.80	3.35	30
9	-	-	Airgain	N2425D-T2R-PK1-G500U	PIFA	I-PEX	1.9	3.5	1.75	2.45	0.15	1.05	500
10	-	-	LITE	120300058800J (503021-0123-0BC) Dual Band Fixed Rod Antenna	Dipole	I-PEX	Fixed Dipole antenna with 450mm cable				2.55	2.35	450
11	-	-	LITE	120300055601J (501301-0019-1BC) +120700034000J (510411-5210-24C) (300mm Gray Cable)	Dipole	I-PEX	Dipole antenna with 300mm cable				2.72	2.97	300
12	-	-	LITE	120300055600J (501301-0019-1BC) +120700034000J (510411-5210-24C) (300mm Gray Cable)	Dipole	I-PEX	Dipole antenna with 300mm cable				2.72	2.97	300
13	-	-	LITE	120300055601J (501301-0019-1BC) +120700042100J (510411-5300-23C) (500mm Gray Cable)	Dipole	I-PEX	Dipole antenna with 500mm cable				1.85	2.09	500
14	-	-	LITE	120300055600J (501301-0019-1BC) +120700042100J (510411-5300-23C) (500mm Gray Cable)	Dipole	I-PEX	Dipole antenna with 500mm cable				1.85	2.09	500
15	-	1/2	LITE	503021-0003-0BC (AIOS5 only) Dual Band Fixed Rod Antenna	Dipole	I-PEX	Fixed Dipole antenna with 200mm cable				2.52	3.04	200
16	-	-	LITE	503021-0013-0BC Dual Band Fixed Rod Antenna	Dipole	I-PEX	Fixed Dipole antenna with 500mm cable				1.74	1.68	500
17	-	-	LITE	120300055601J (501301-0019-1BC) +510411-5310-23C (200mm Gray Cable)	Dipole	I-PEX	Dipole antenna with 200mm cable				2.64	2.86	200
18	-	-	LITE	503021-0113-0BC (AIOS4 only) Dual Band Fixed Rod Antenna	Dipole	I-PEX	Fixed Dipole antenna with 300mm cable				2.35	2.44	300
19	-	-	Airgain	N2420DG3-T2L-PK1-G200U	Dipole	I-PEX	3.1	2.8	0.62	0.98	2.48	1.82	200
20	-	-	Airgain	N2420DG3-T2L-PK1-G520U	Dipole	I-PEX	3.1	2.8	1.61	2.55	1.49	0.25	520



Ant.	Port		Brand	Model Name	Type	Connector	Gain(dBi)		Cable Loss (dBi)		Net Gain (dBi)		Cable Length (mm)
	WLAN 2.4GHz /BT	WLAN 5GHz					WLAN 2.4GHz /BT	WLAN 5GHz	WLAN 2.4GHz /BT	WLAN 5GHz	WLAN 2.4GHz /BT	WLAN 5GHz	
21	1/2	-	KWANG HYUN AIRTECH	KH-WFDI-AN001	PIFA	I-PEX	4	2.8	0.6	1.2	3.4	1.6	160
22	-	-	KWANG HYUN AIRTECH	KH-WFDI-AN002	PIFA	I-PEX	4	2.8	0.7	1.3	3.3	1.5	210
23	-	-	KWANG HYUN AIRTECH	KH-WFDI-AN004	PIFA	I-PEX	3.6	2.1	1.5	2.7	2.1	-0.6	470
24	-	-	KWANG HYUN AIRTECH	KH-WFDI-AN005	PIFA	I-PEX	3.5	2.1	1.2	1.9	2.3	0.2	400
25	-	-	KWANG HYUN AIRTECH	KH-WFDI-AN006	PIFA	I-PEX	3.5	2.1	2.3	4	1.2	-1.9	810
26	-	-	KWANG HYUN AIRTECH	KH-WFDI-AN007	PIFA	I-PEX	2.6	2.1	1.2	1.9	1.4	0.2	384
27	-	-	KWANG HYUN AIRTECH	KH-WFDI-AN008	PIFA	I-PEX	3.5	2.1	1.2	1.9	2.3	0.2	400

Note1: Directional gain information

Maximum Output Power	Power Spectral Density
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 ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

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

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

$g_{j,k} = (Nss1(g1,1) + Nss1(g1,2))^2$

$DG = 10 \log[(Nss1(g1,1) + Nss1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$

Where ;

2.4G G1 = 3.40 dBi; G2 = 3.40 dBi; DG = 6.41 dBi

5G G1 = 3.35 dBi; G2 = 3.35 dBi; DG = 6.36 dBi

Note2: The above information was declared by manufacturer.

Note3 : The EUT has two type antennas.

Dipole Antenna collocate with 16 antennas selling.

PIFA Antenna collocate with 11 antennas selling.

For AC Power-line Conducted Emissions/RF Conducted Tests:

The highest gain: "Ant.21" for WLAN 2.4GHz/BT & "Ant.6" for WLAN 5GHz were selected to perform the test.



For RF Radiated:

The highest gain of Dipole: "Ant.1" for WLAN 2.4GHz/Bluetooth & "Ant.15" for WLAN 5GHz were selected to perform the test.

The highest gain of PIFA: "Ant.21" for WLAN 2.4GHz/Bluetooth & "Ant.6" for WLAN 5GHz were selected to perform the test.

<WLAN 2.4GHz function>

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

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

Port 1, Port 2 could transmit/receive simultaneously.

<WLAN 5GHz function>

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

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

Port 1, Port 2 could transmit/receive simultaneously.

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

Port 1 can be used as transmitting/receiving antenna.

Port 1 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
BT-BR(1Mbps)	0.576	2.4	2.88m	1k
BT-EDR(2Mbps)	0.577	2.39	2.885m	1k
BT-EDR(3Mbps)	0.578	2.38	2.888m	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	DOS V6.1.7601

Note: The above information was declared by manufacturer.

1.1.5 Applicable Standards

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

- ◆ 47 CFR FCC Part 15.247

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

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



1.2 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 (R.O.C.)
(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 ISED.	

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	23.5-23.9 / 56-69	Sep. 13, 2022~ Sep. 29, 2022
Radiated Below 1GHz	03CH05-CB	RJ Huang	25.4~26.5 / 62~65	Sep. 20, 2022
Radiated Above 1GHz	03CH01-CB	Ken Yeh	25~26 / 62~63	Sep. 03, 2022~ Sep. 28, 2022
	03CH03-CB		23.4~24.3 / 56~59	
Radiated Co-location	03CH05-CB	Ken Yeh	22.9~24.7 / 55~60	Oct. 11, 2022~ Oct. 13, 2022
AC Conduction	CO01-CB	Dean Chang	22~23 / 52~53	Sep. 08, 2022

1.3 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 Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
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

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	6
2440MHz	6
2480MHz	6
BT-EDR(2Mbps)	-
2402MHz	6
2440MHz	6
2480MHz	6
BT-EDR(3Mbps)	-
2402MHz	6
2440MHz	6
2480MHz	6



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/BT + PIFA Ant. 21
2	EUT_WLAN 5GHz/BT + PIFA Ant. 6
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	20dB Bandwidth Carrier Frequency Separation Maximum Conducted Output Power 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_Bluetooth + PIFA Ant. 21

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/BT + Dipole Ant. 1
2	EUT in Y axis_WLAN 2.4GHz/BT + Dipole Ant. 1
3	EUT in Z axis_WLAN 2.4GHz/BT + Dipole Ant. 1
Mode 3 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~6 will follow this same test mode.	
4	EUT in Z axis_WLAN 5GHz/BT + Dipole Ant. 15
5	EUT in Z axis_WLAN 2.4GHz/BT + PIFA Ant. 21
6	EUT in Z axis_WLAN 5GHz/BT + PIFA Ant. 6
For operating mode 6 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 Y axis_Bluetooth + Dipole Ant. 1
2	EUT in Z axis_Bluetooth + PIFA Ant. 21

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 for Emissions in Restricted Frequency Bands above 1GHz, and the worst case was found as below. So the measurement will follow this same test configuration.
1	EUT in Z axis_WLAN 2.4GHz + Bluetooth
2	EUT in Z axis_WLAN 5GHz + Bluetooth
For operating mode 2 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	WLAN 2.4GHz + Bluetooth
2	WLAN 5GHz + Bluetooth
Refer to Sporton Test Report No.: FA282318 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:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	Flash disk3.0	Transcend	JetFlash-700	N/A
C	iPhone	apple	I12	N/A
D	AP Router	Tp-link	Ax10	N/A
E	2.4G NB	DELL	E6430	N/A
F	Test fixture	Arcadyan	WN9722NAX22-E7 Test jig	N/A

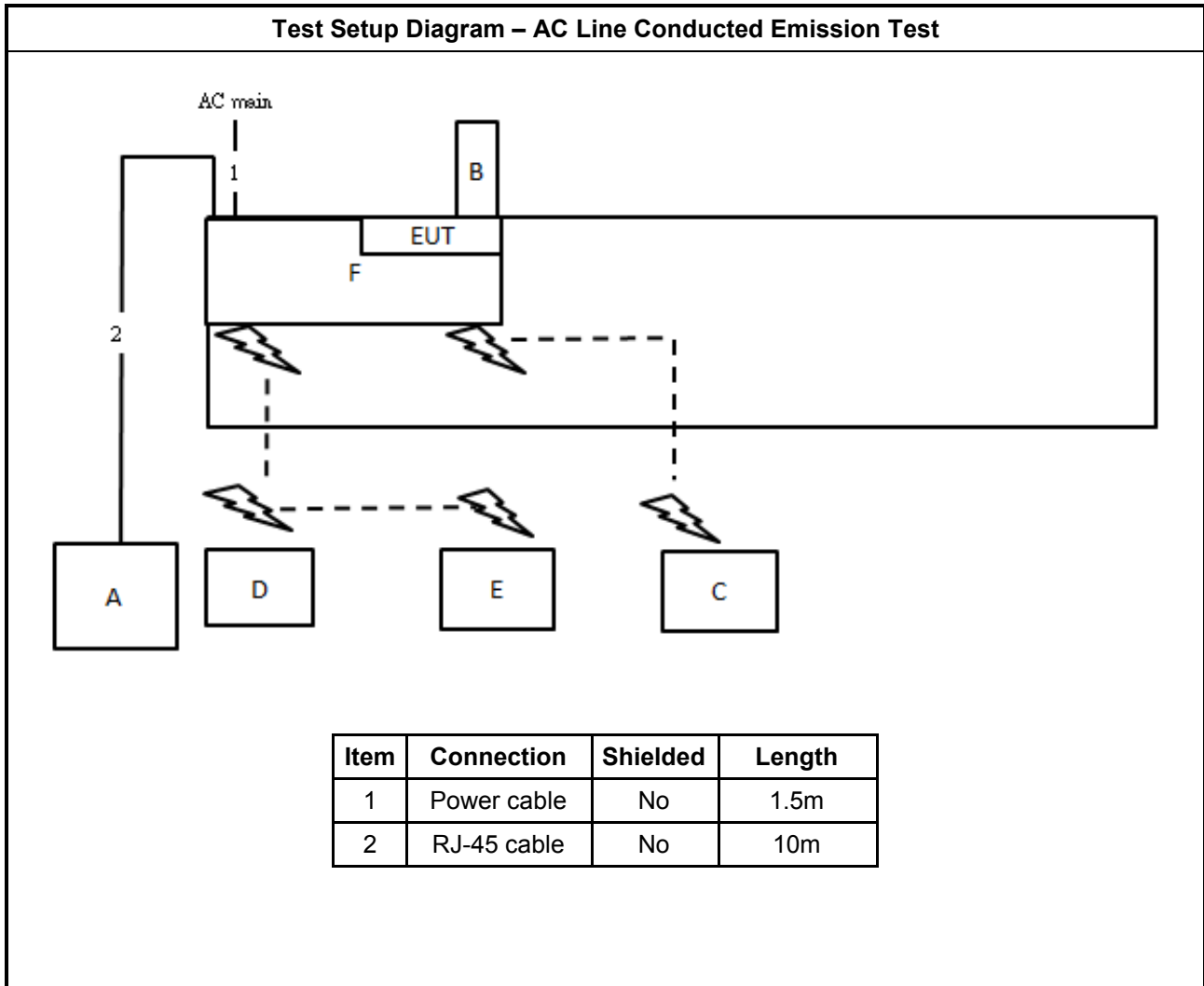
For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Fixture	Arcadyan	WN9722NAX22-E7 Test jig	N/A
B	Notebook	DELL	E4300	N/A
C	Flash disk3.0	Transcend	JetFlash-700	N/A
D	iPhone 12	Apple	A2403	BCG-E3544A
E	WLAN AP	ASUS	RT-AX88U	MSQ-RTAXHP00

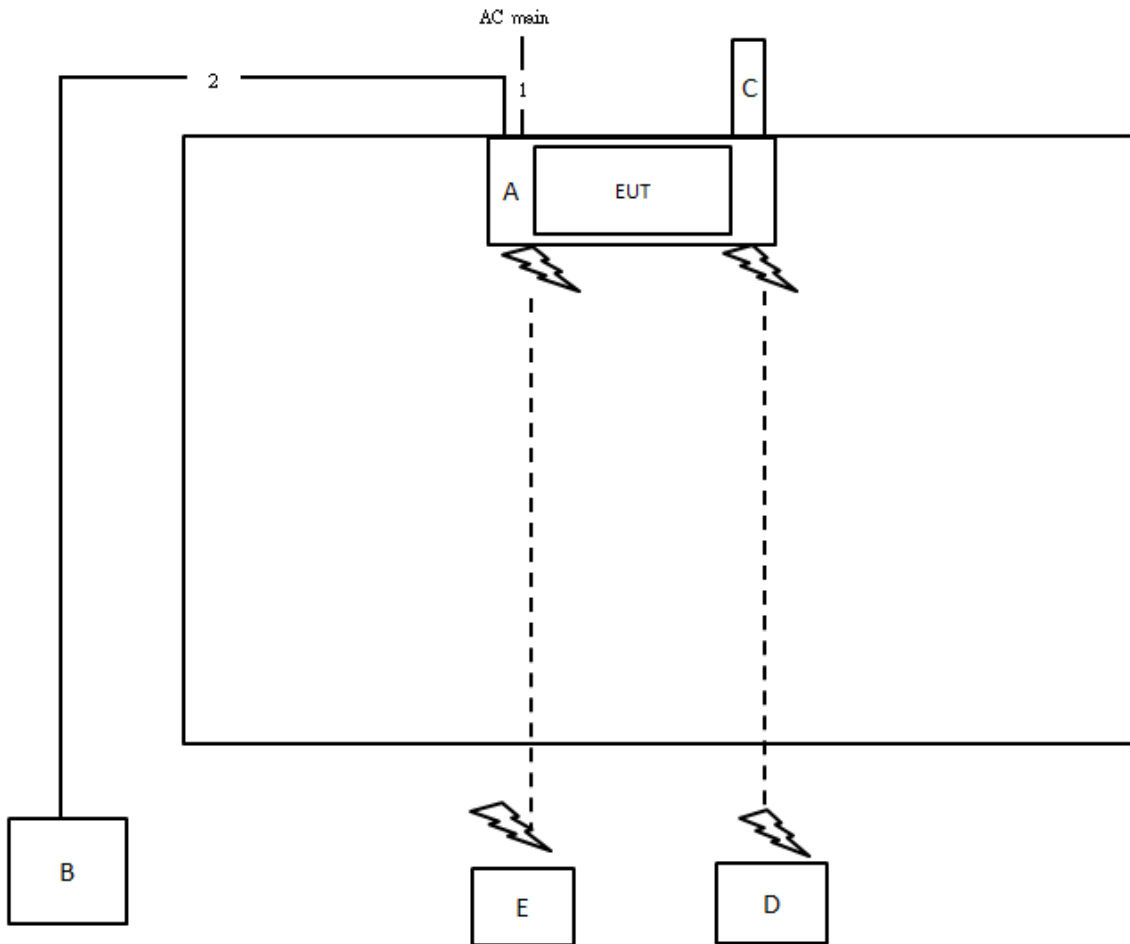
For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Fixture	Arcadyan	WN9722NAX22-E7 Test jig	N/A
B	Notebook	DELL	E4300	N/A

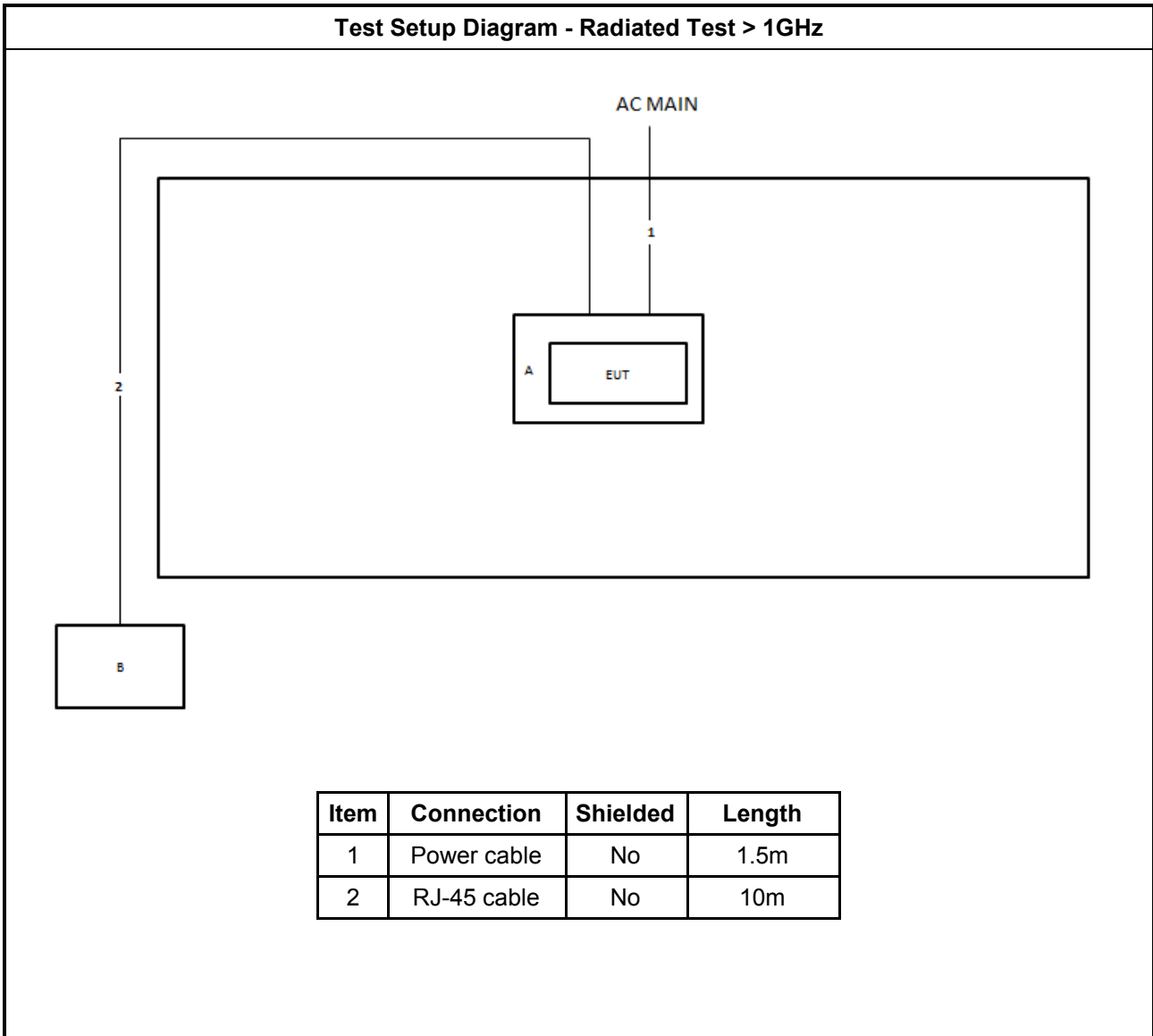
2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m





3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 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.

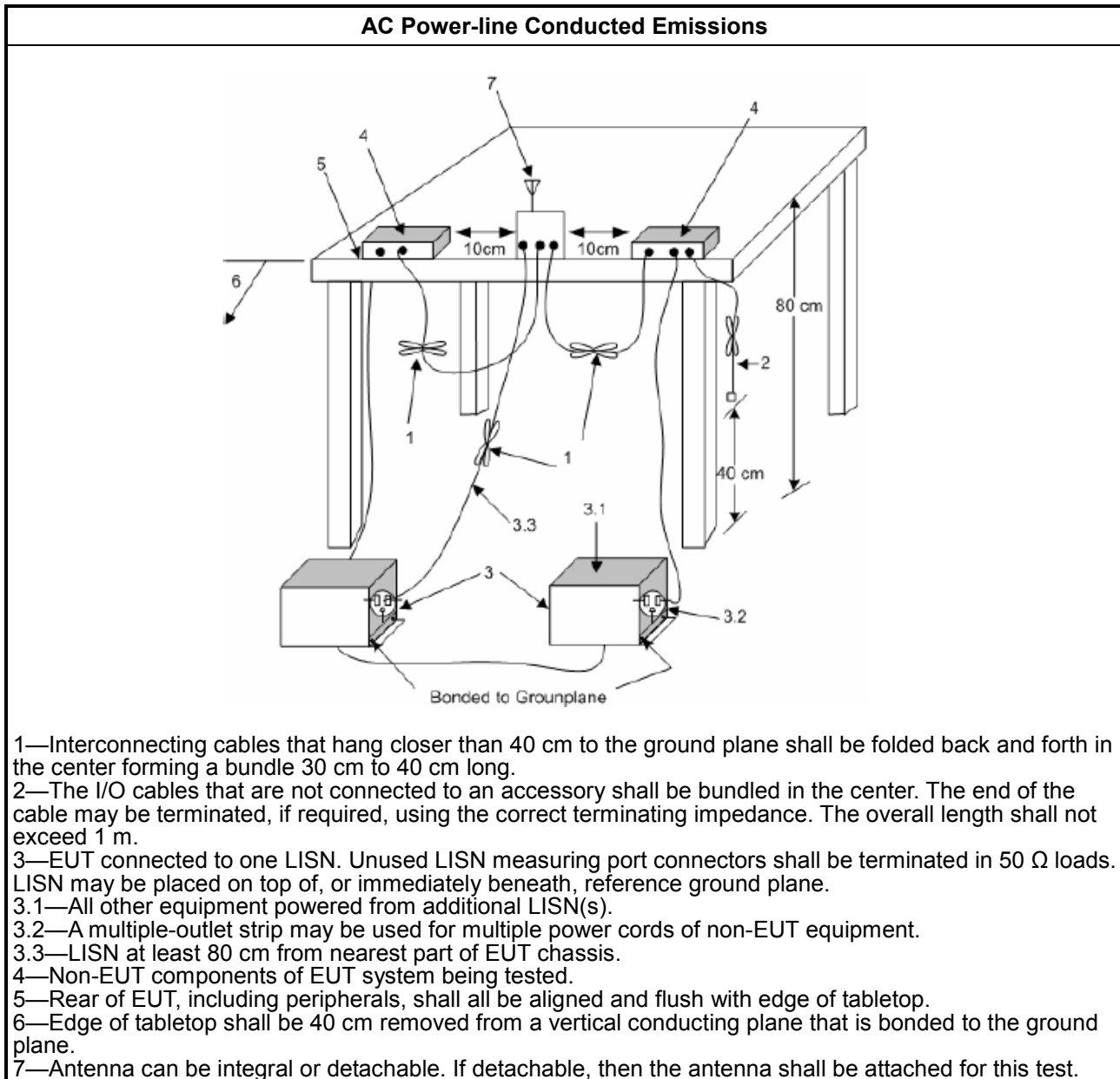
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 20dB Bandwidth and Carrier Frequency Separation

3.2.1 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 $ChS \geq MAX$ (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	

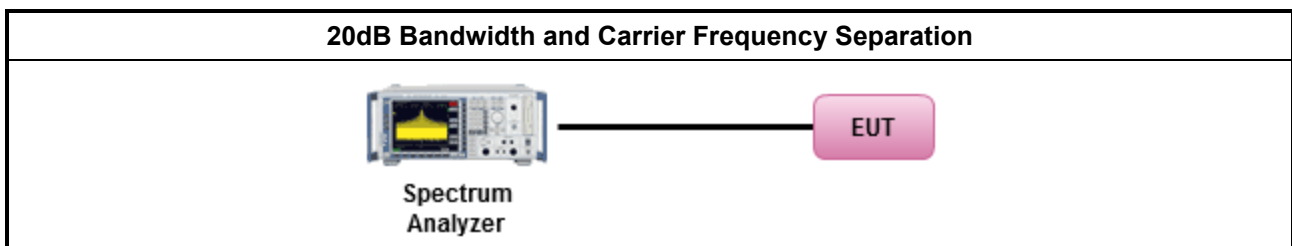
3.2.2 Measuring Instruments

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

3.2.3 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.

3.2.4 Test Setup



3.2.5 Test Result of 20dB Bandwidth

Refer as Appendix B

3.2.6 Test Result of Carrier Frequency Separation

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
<ul style="list-style-type: none"> ▪ 902-928 MHz Band: 	
	<ul style="list-style-type: none"> ▪ $N \geq 50$; Power 30dBm; EIRP 36dBm
	<ul style="list-style-type: none"> ▪ $50 > N \geq 25$; Power 23.98dBm; EIRP 29.98dBm
<ul style="list-style-type: none"> ▪ 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> ▪ $N \geq 75$; Power 30dBm; EIRP 36dBm
	<ul style="list-style-type: none"> ▪ $75 > N \geq 15$; Power 21dBm; EIRP 27dBm
<ul style="list-style-type: none"> ▪ 5725-5850 MHz Band: 	
	<ul style="list-style-type: none"> ▪ $N \geq 75$; Power 30dBm; EIRP 36dBm
N: Number of Hopping Frequencies	

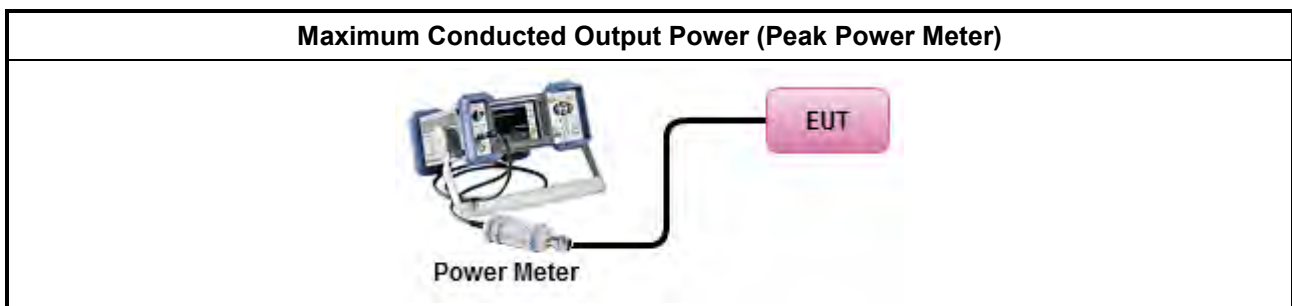
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10-2013, clause 7.8.5 for output power measurement.

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Number of Hopping Frequencies and Hopping Bandedge

3.4.1 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	

3.4.2 Hopping Bandedge Limit

Refer clause 3.6.1 and clause 3.7.1

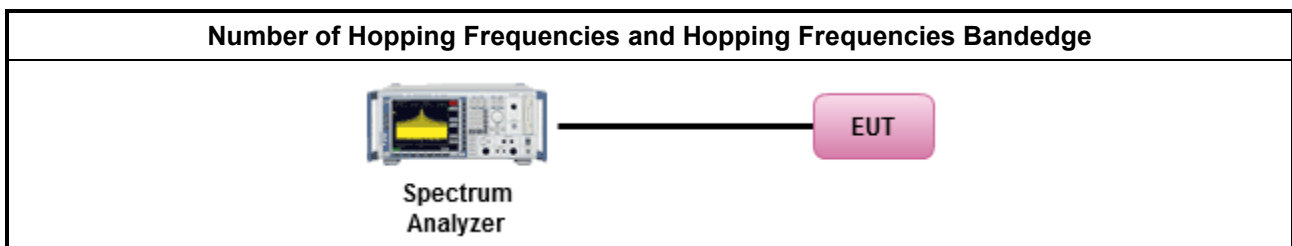
3.4.3 Measuring Instruments

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

3.4.4 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.

3.4.5 Test Setup



3.4.6 Test Result of Number of Hopping Frequencies

Refer as Appendix D

3.4.7 Test Result of Number of Hopping Frequencies Bandedge

Refer as Appendix D

3.5 Time of Occupancy (Dwell Time)

3.5.1 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	

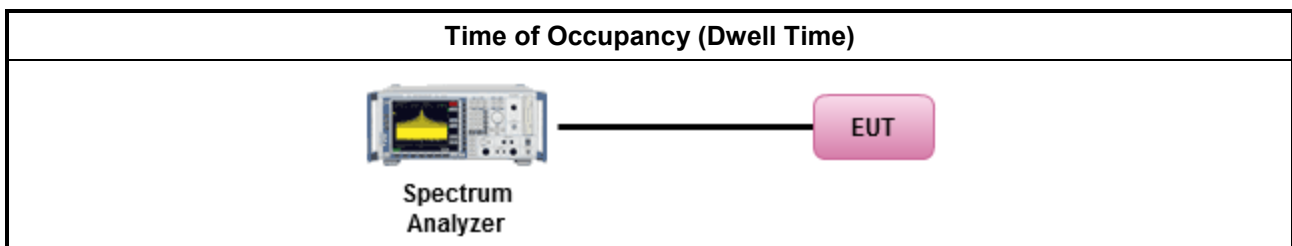
3.5.2 Measuring Instruments

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

3.5.3 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.

3.5.4 Test Setup



3.5.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix E

3.6 Emissions in Non-restricted Frequency Bands

3.6.1 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.	

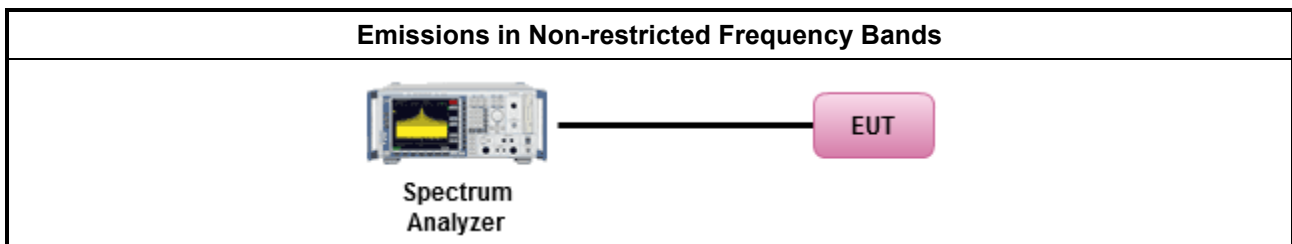
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 7.8.8 for unwanted emissions into non-restricted bands.

3.6.4 Test Setup



3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix F



3.7 Emissions in Restricted Frequency Bands

3.7.1 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.

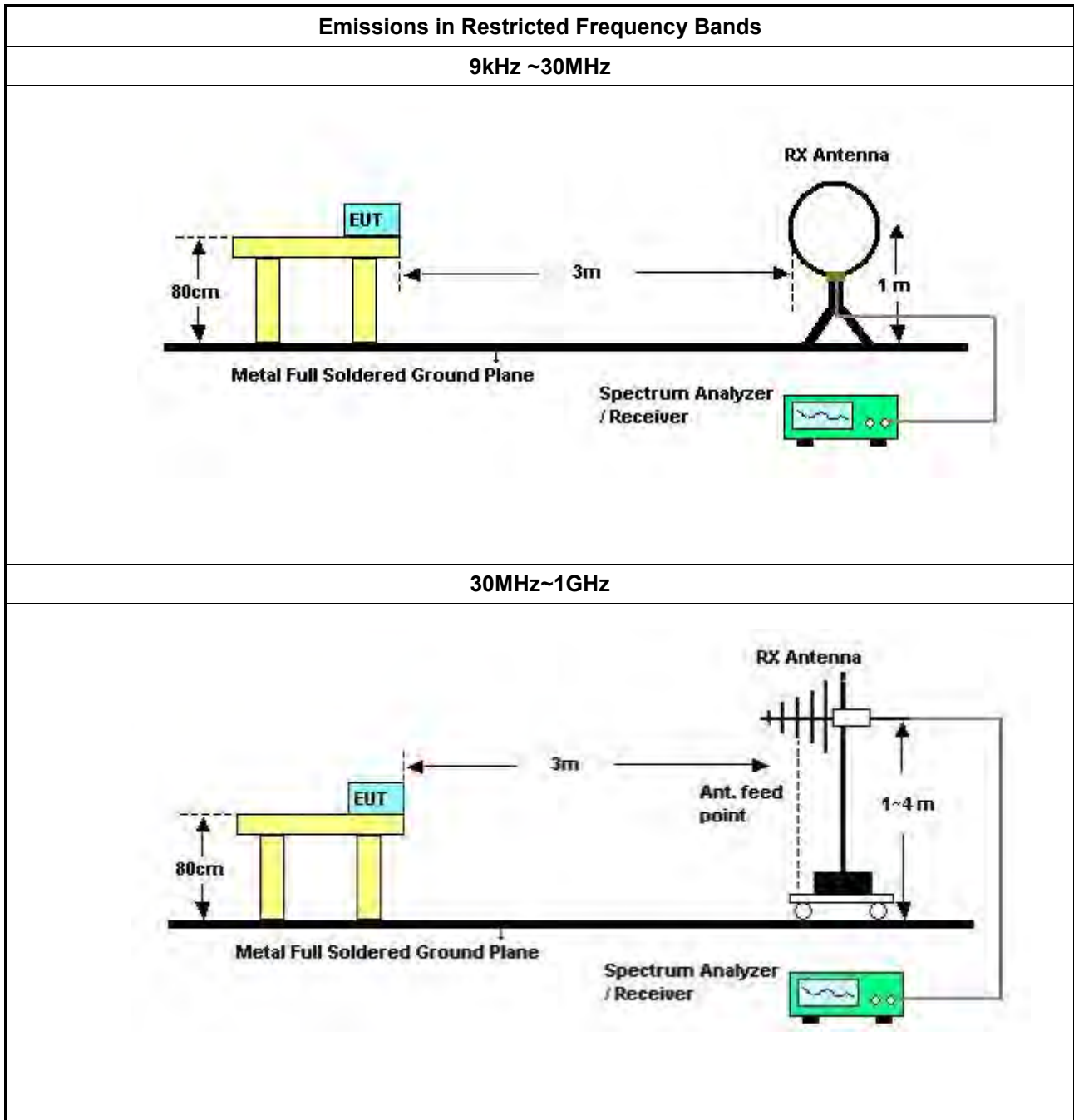
3.7.2 Measuring Instruments

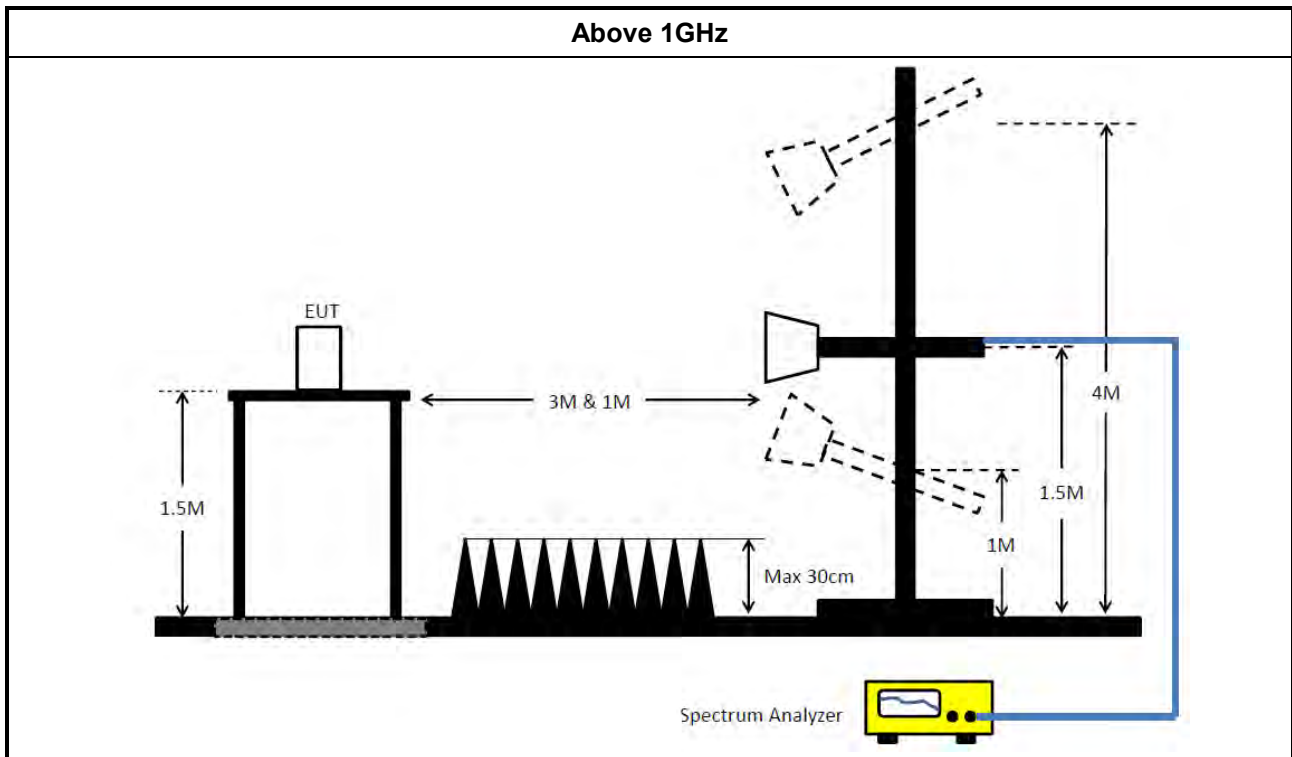
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method				
<ul style="list-style-type: none"> The average emission levels shall be measured in [hopping duty factor]. 				
<ul style="list-style-type: none"> 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. 				
<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below: <table border="1" data-bbox="188 1776 1428 1912"> <tbody> <tr> <td> <ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.1 QP value. </td> </tr> <tr> <td> <ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak. </td> </tr> <tr> <td> <ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions. </td> </tr> </tbody> </table> 		<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.1 QP value. 	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak. 	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.
<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.1 QP value. 				
<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak. 				
<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions. 				

3.7.4 Test Setup





3.7.5 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.

3.7.6 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.

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G



4 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 18, 2022	May 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 03, 2022	Aug. 02, 2023	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 07, 2021	Nov. 06, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 25, 2022	Mar. 24, 2023	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 23, 2022	Jun. 22, 2023	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Mar. 14, 2022	Mar. 13, 2023	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 13, 2021	Oct. 12, 2022	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2021	Nov. 05, 2022	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 05, 2022	May 04, 2023	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 20, 2022	Jul. 19, 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	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)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P1	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P2	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P3	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P4	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	SWI-03-P5	1 GHz ~26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

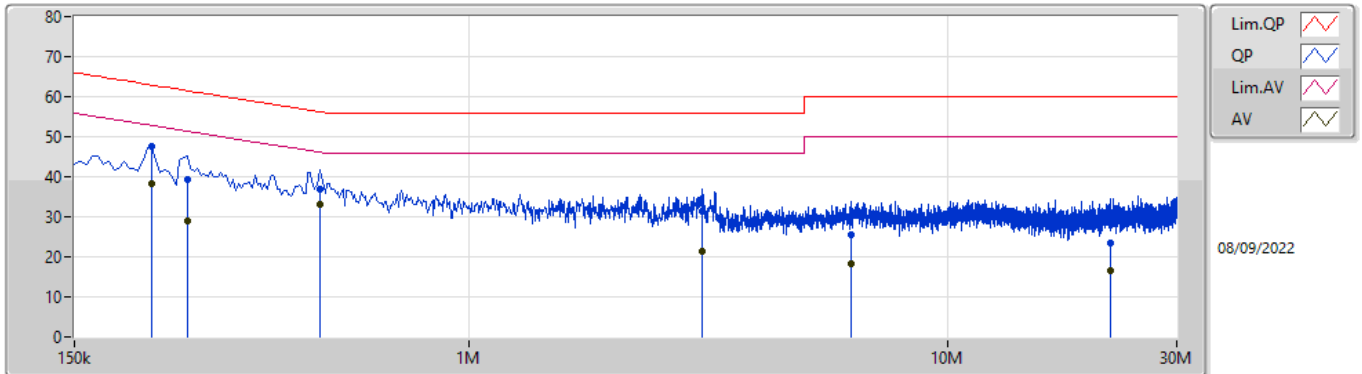
NCR means Non-Calibration required.



Summary

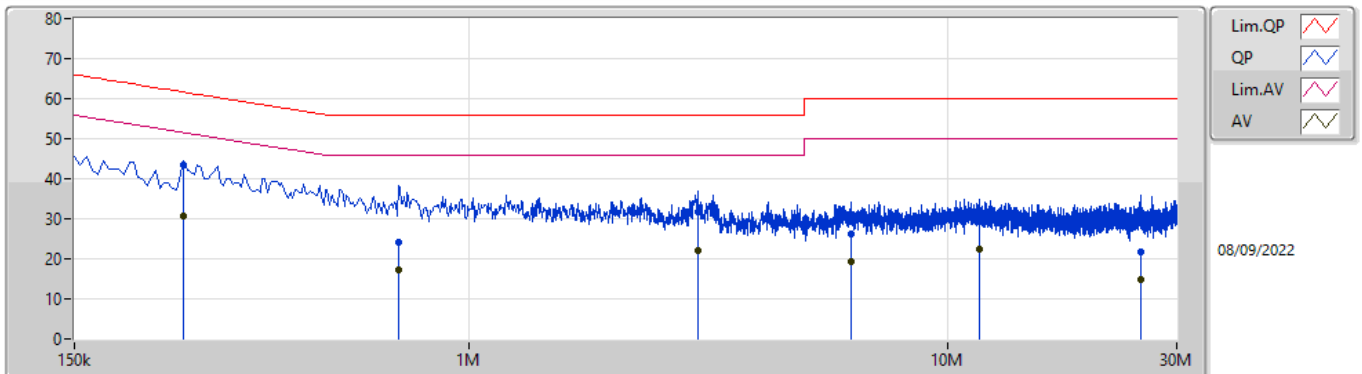
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	487.5k	33.01	46.21	-13.20	Line

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	217.5k	47.71	62.92	-15.21	9.99	Line	-	37.72	0.06	0.04	9.89
AV	217.5k	38.22	52.92	-14.70	9.99	Line	-	28.23	0.06	0.04	9.89
QP	258k	39.15	61.49	-22.34	10.00	Line	-	29.15	0.06	0.05	9.89
AV	258k	28.91	51.49	-22.58	10.00	Line	-	18.91	0.06	0.05	9.89
QP	487.5k	36.80	56.21	-19.41	10.01	Line	-	26.79	0.06	0.06	9.89
AV	487.5k	33.01	46.21	-13.20	10.01	Line	"Worst"	23.00	0.06	0.06	9.89
QP	3.062M	31.31	56.00	-24.69	10.10	Line	-	21.21	0.11	0.10	9.89
AV	3.062M	21.28	46.00	-24.72	10.10	Line	-	11.18	0.11	0.10	9.89
QP	6.261M	25.50	60.00	-34.50	10.20	Line	-	15.30	0.17	0.13	9.90
AV	6.261M	18.43	50.00	-31.57	10.20	Line	-	8.23	0.17	0.13	9.90
QP	21.818M	23.32	60.00	-36.68	10.52	Line	-	12.80	0.32	0.24	9.96
AV	21.818M	16.38	50.00	-33.62	10.52	Line	-	5.86	0.32	0.24	9.96

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	253.5k	43.38	61.64	-18.26	10.01	Neutral	"Worst"	33.37	0.07	0.05	9.89
AV	253.5k	30.73	51.64	-20.91	10.01	Neutral	-	20.72	0.07	0.05	9.89
QP	712.5k	24.15	56.00	-31.85	10.02	Neutral	-	14.13	0.08	0.05	9.89
AV	712.5k	17.36	46.00	-28.64	10.02	Neutral	-	7.34	0.08	0.05	9.89
QP	3.008M	31.60	56.00	-24.40	10.11	Neutral	-	21.49	0.12	0.10	9.89
AV	3.008M	22.15	46.00	-23.85	10.11	Neutral	-	12.04	0.12	0.10	9.89
QP	6.257M	26.08	60.00	-33.92	10.21	Neutral	-	15.87	0.18	0.13	9.90
AV	6.257M	19.28	50.00	-30.72	10.21	Neutral	-	9.07	0.18	0.13	9.90
QP	11.607M	29.35	60.00	-30.65	10.33	Neutral	-	19.02	0.25	0.16	9.92
AV	11.607M	22.58	50.00	-27.42	10.33	Neutral	-	12.25	0.25	0.16	9.92
QP	25.206M	21.62	60.00	-38.38	10.56	Neutral	-	11.06	0.31	0.28	9.97
AV	25.206M	14.94	50.00	-35.06	10.56	Neutral	-	4.38	0.31	0.28	9.97



Summary

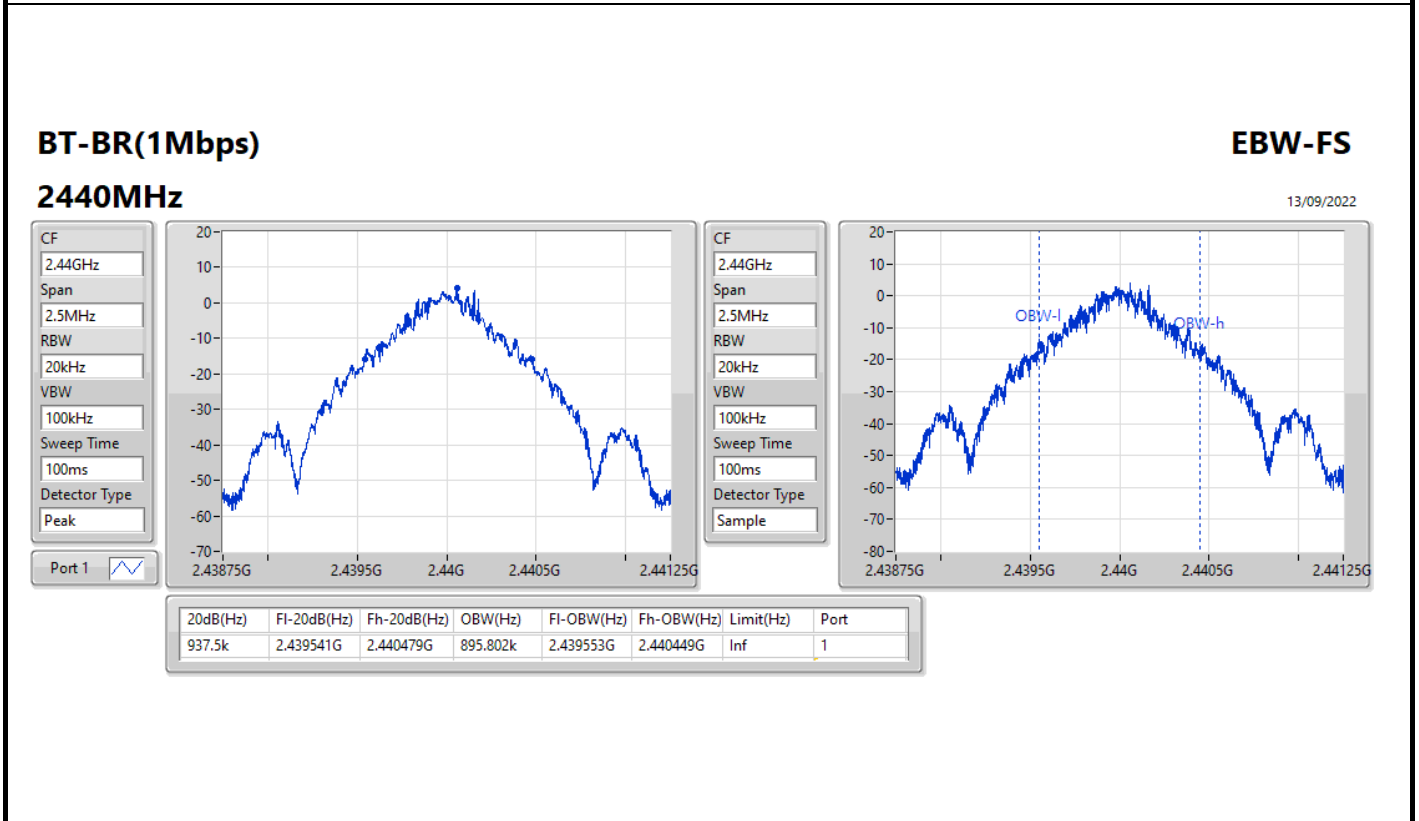
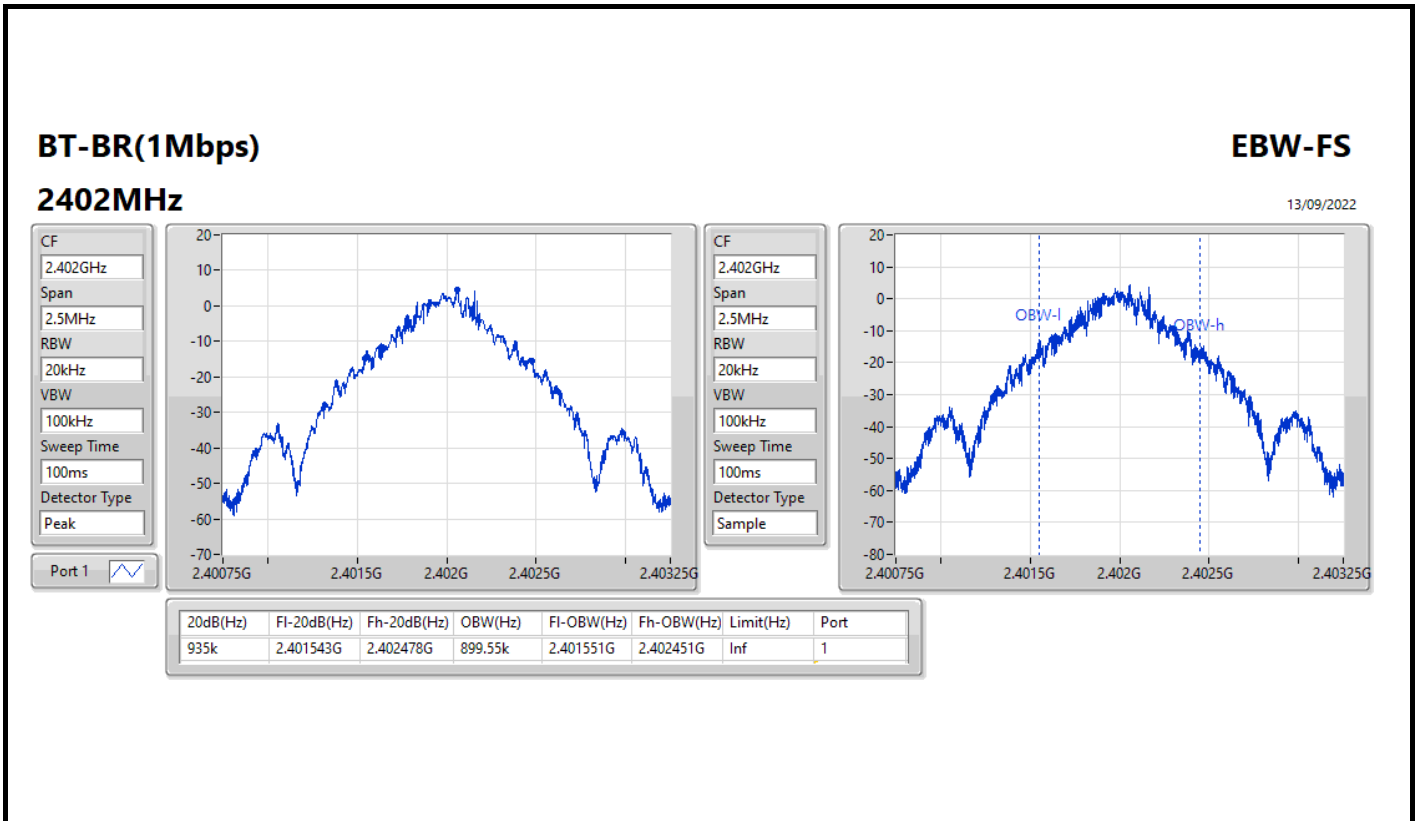
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	937.5k	899.55k	900KF1D	935k	892.054k
BT-EDR(2Mbps)	1.309M	1.192M	1M19G1D	1.306M	1.187M
BT-EDR(3Mbps)	1.29M	1.207M	1M21G1D	1.285M	1.199M

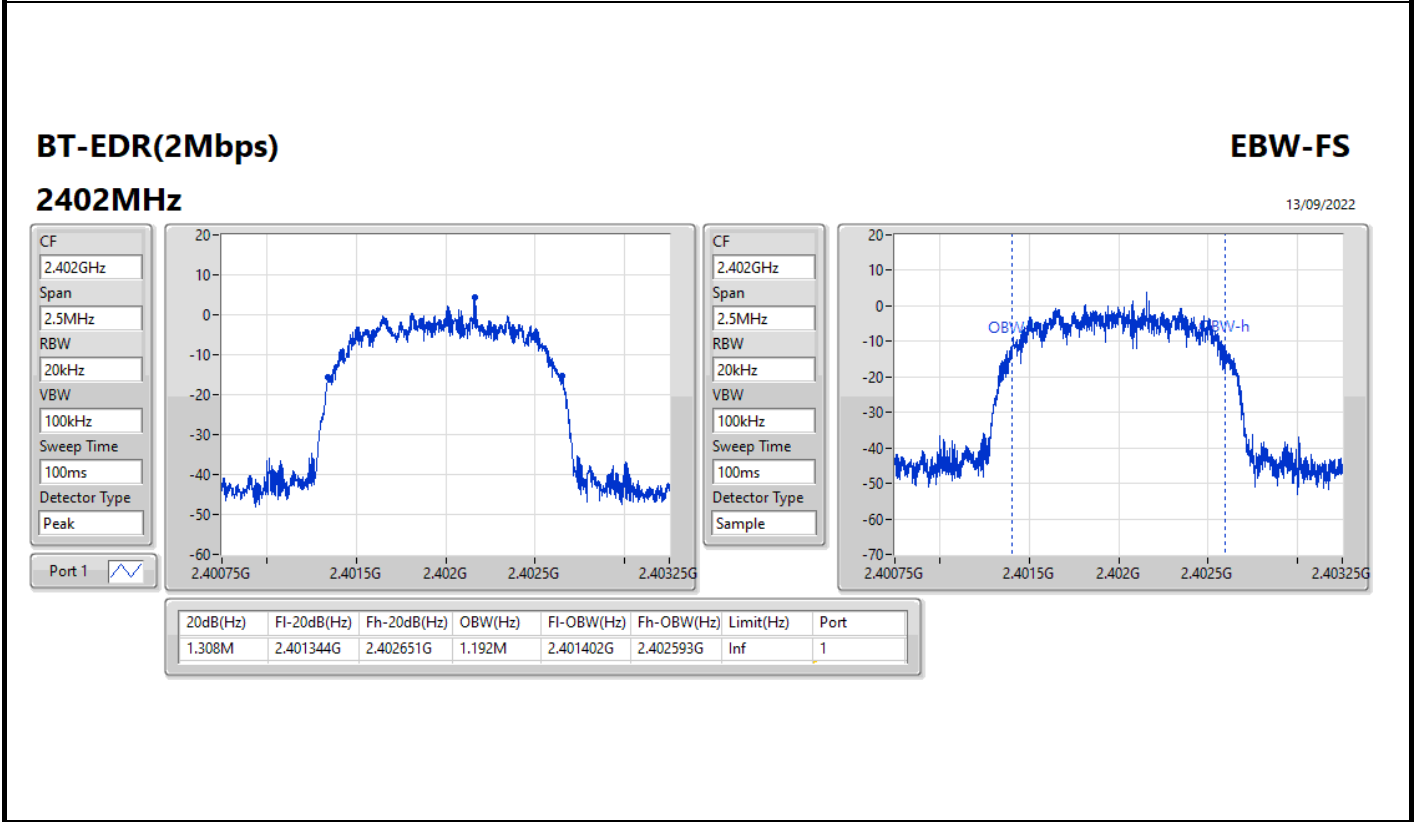
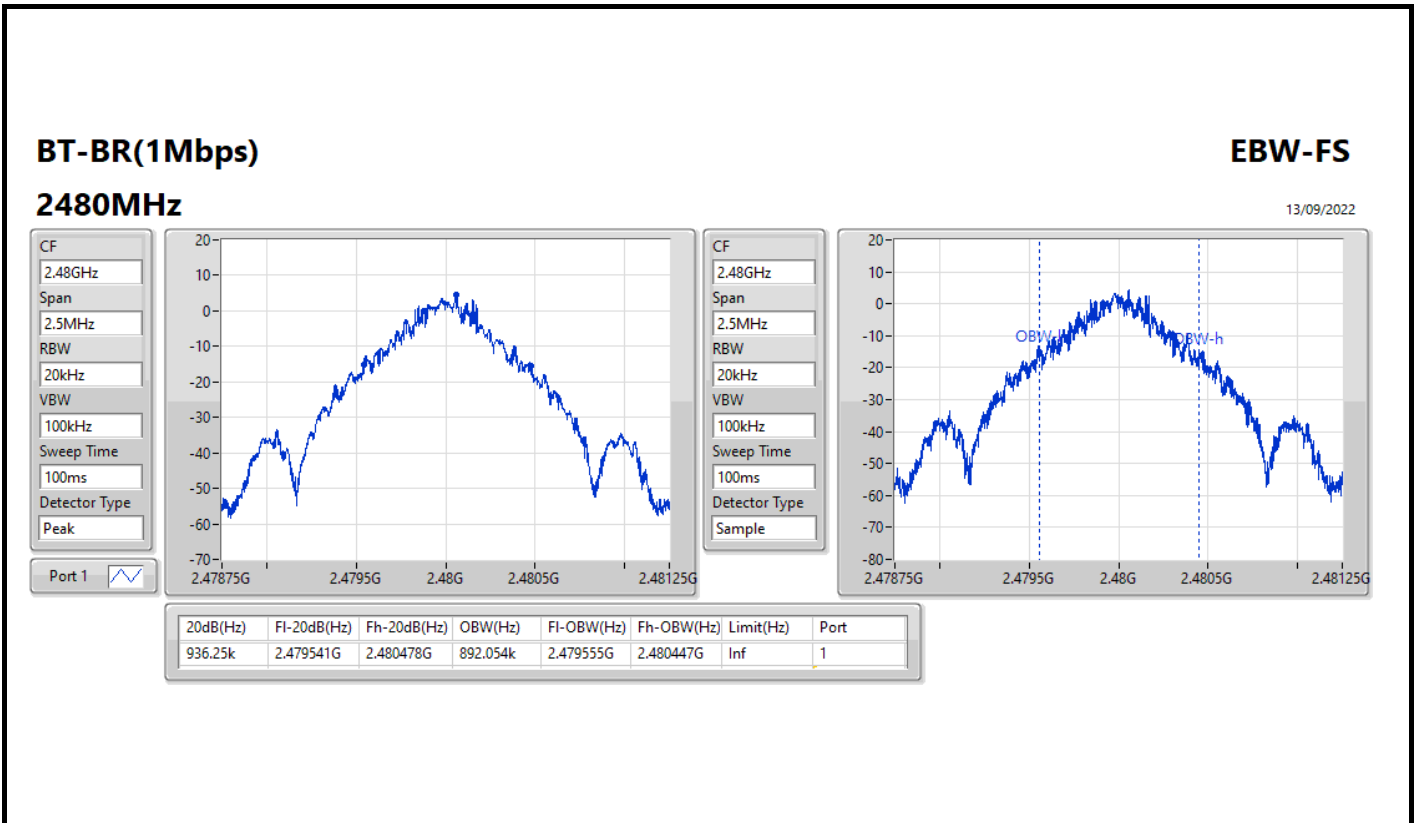
Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

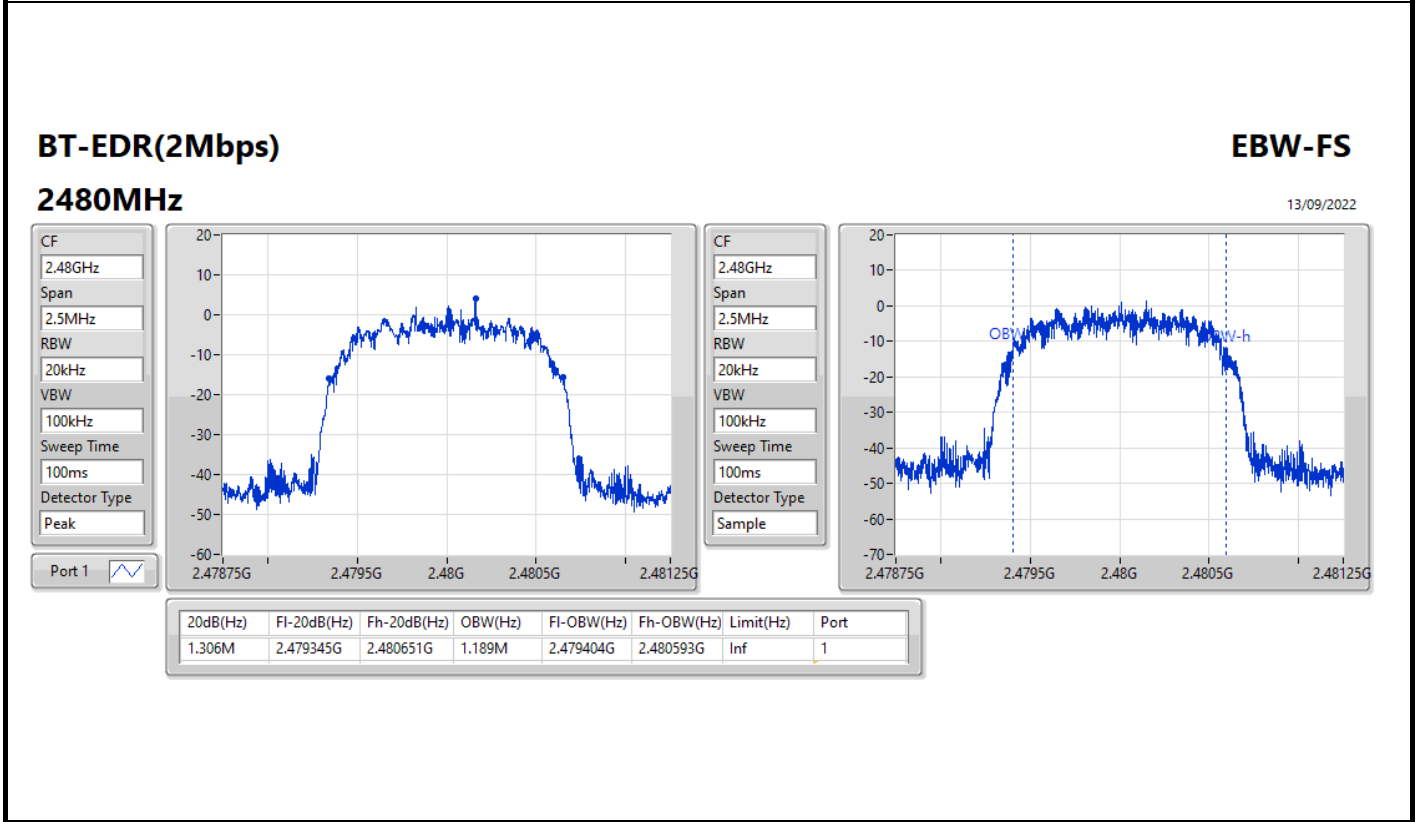
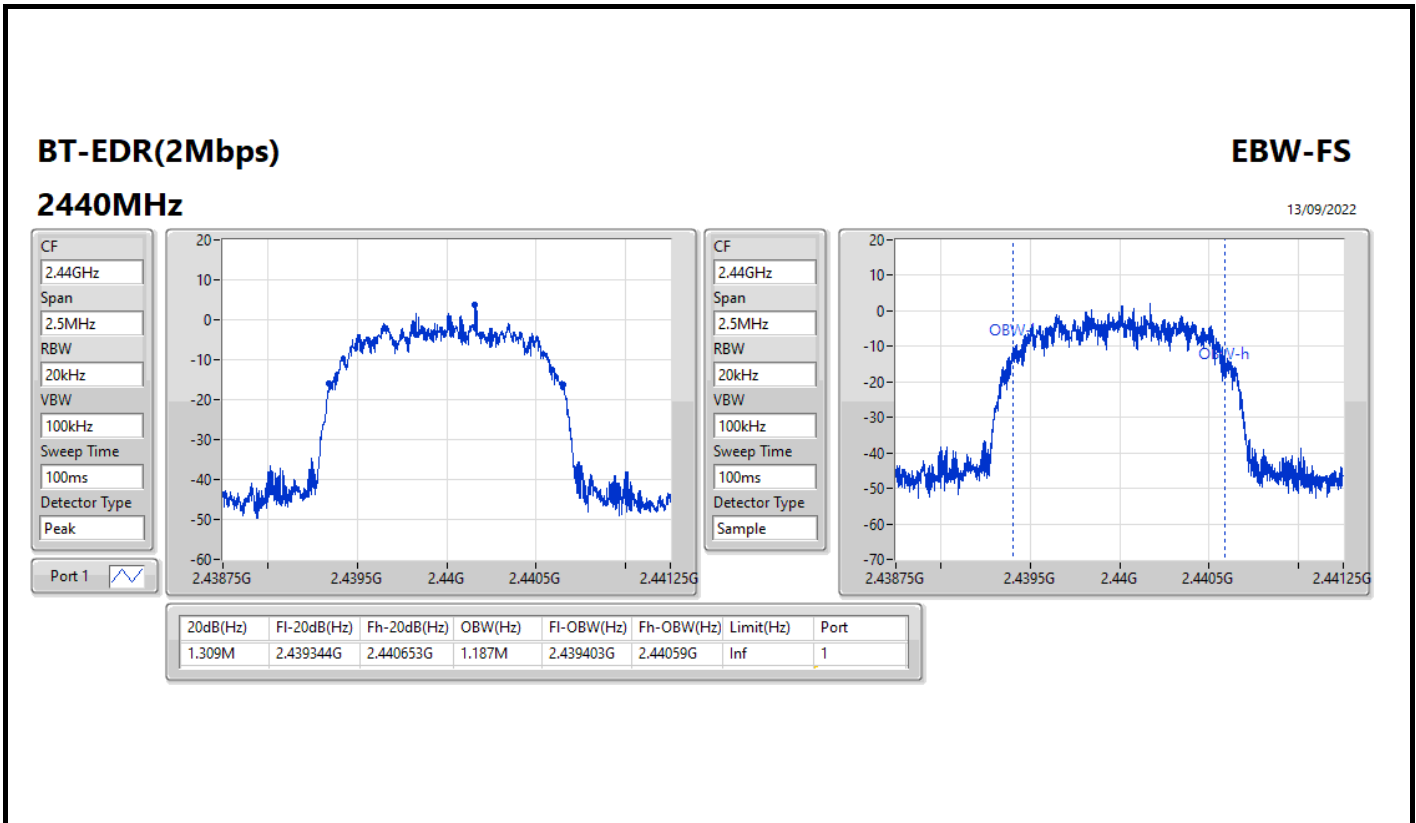
Result

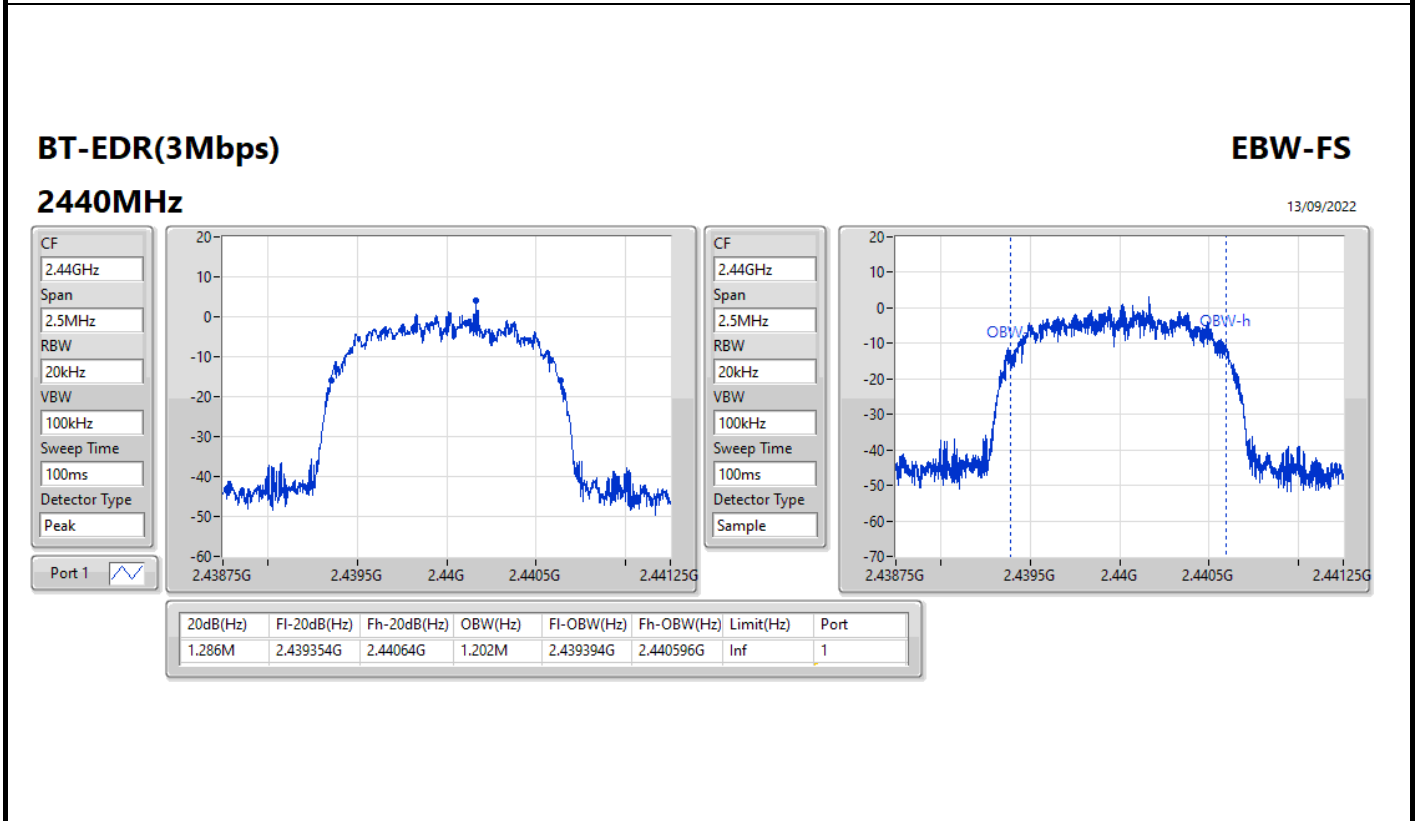
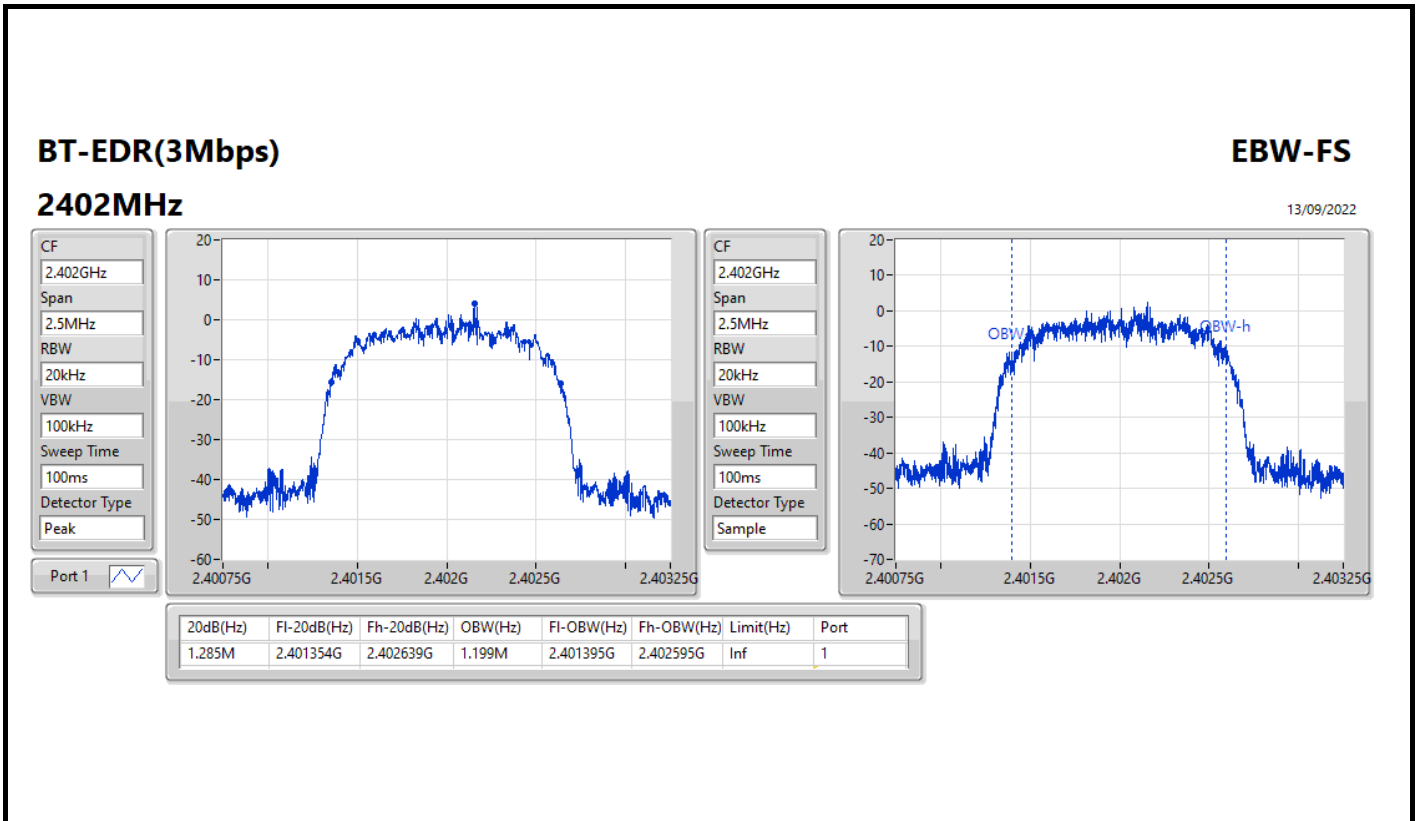
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	935k	899.55k
2440MHz	Pass	Inf	937.5k	895.802k
2480MHz	Pass	Inf	936.25k	892.054k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.308M	1.192M
2440MHz	Pass	Inf	1.309M	1.187M
2480MHz	Pass	Inf	1.306M	1.189M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.285M	1.199M
2440MHz	Pass	Inf	1.286M	1.202M
2480MHz	Pass	Inf	1.29M	1.207M

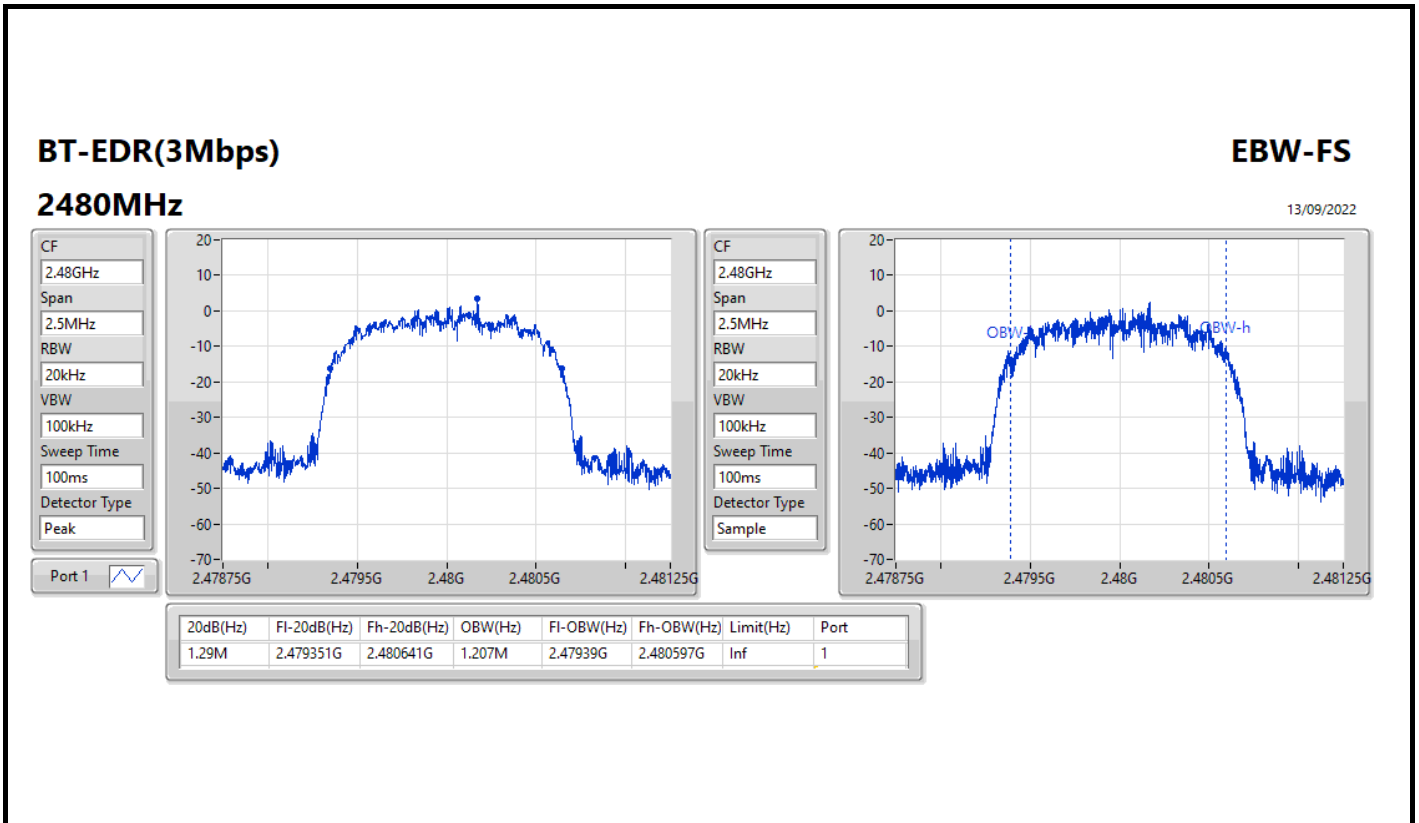
Port X-N dB = Port X 20dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth













Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.0005M	895.5k
BT-EDR(2Mbps)	1.002M	999k
BT-EDR(3Mbps)	1.0005M	999k

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.40216G	2.403055G	895.5k	622.71k
2440MHz	Pass	2.440161G	2.441162G	1.0005M	624.375k
2480MHz	Pass	2.479161G	2.480162G	1.0005M	623.5425k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402163G	2.403165G	1.002M	871.128k
2440MHz	Pass	2.440163G	2.441162G	999k	871.794k
2480MHz	Pass	2.479161G	2.480163G	1.002M	869.796k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402163G	2.403162G	999k	855.81k
2440MHz	Pass	2.440161G	2.441162G	1.0005M	856.476k
2480MHz	Pass	2.479163G	2.480162G	999k	859.14k

BT-BR(1Mbps)

Channel Separation-FS

2.402G/2.403GHz



BT-BR(1Mbps)

Channel Separation-FS

2.44G/2.441GHz




BT-BR(1Mbps)

2.48G/2.479GHz

Channel Separation-FS

13/09/2022



Port 1 

Ch Freq
2.48G/2.479G

Span
3MHz

RBW
30kHz

VBW
100kHz

Sweep
100ms

Detector
Peak

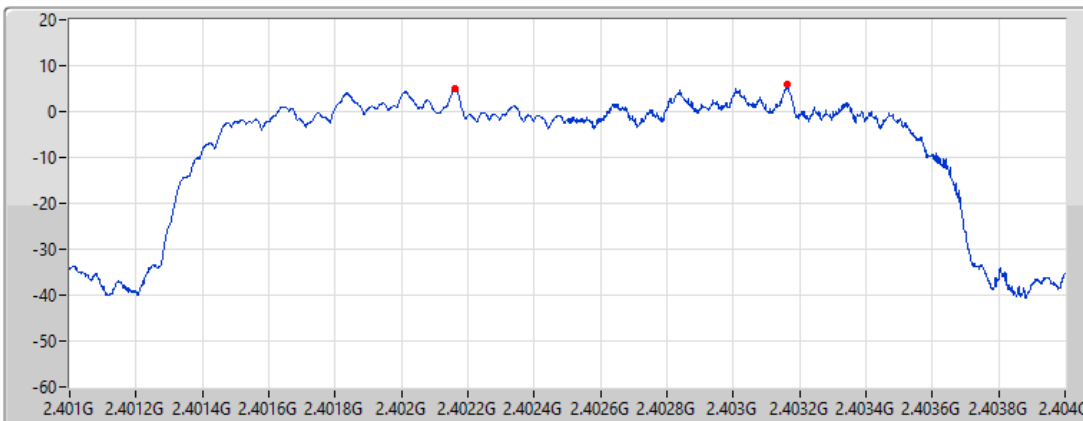
Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479161G	2.480162G	1.0005M	623.5425k


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation-FS

13/09/2022



Port 1 

Ch Freq
2.402G/2.403G

Span
3MHz

RBW
30kHz

VBW
100kHz

Sweep
100ms

Detector
Peak

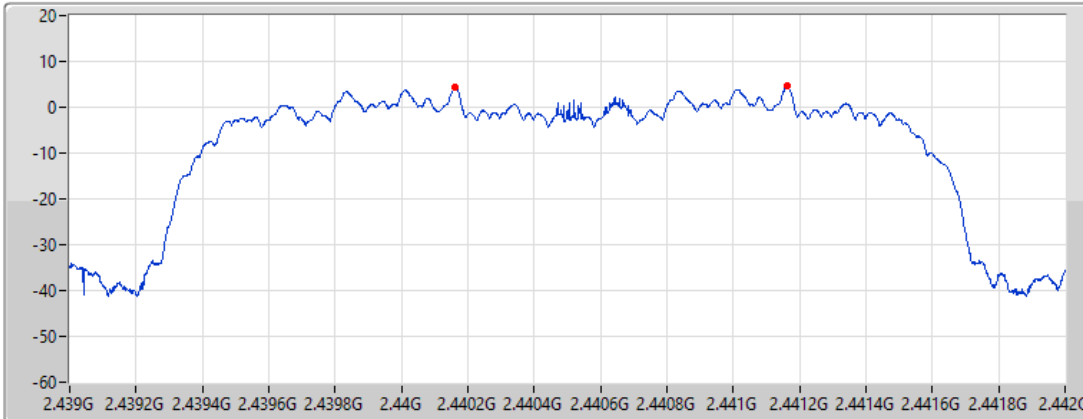
Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402163G	2.403165G	1.002M	871.128k


BT-EDR(2Mbps)

Channel Separation-FS

2.44G/2.441GHz

13/09/2022



Port 1 

Ch Freq
2.44G/2.441G

Span
3MHz

RBW
30kHz

VBW
100kHz

Sweep
100ms

Detector
Peak

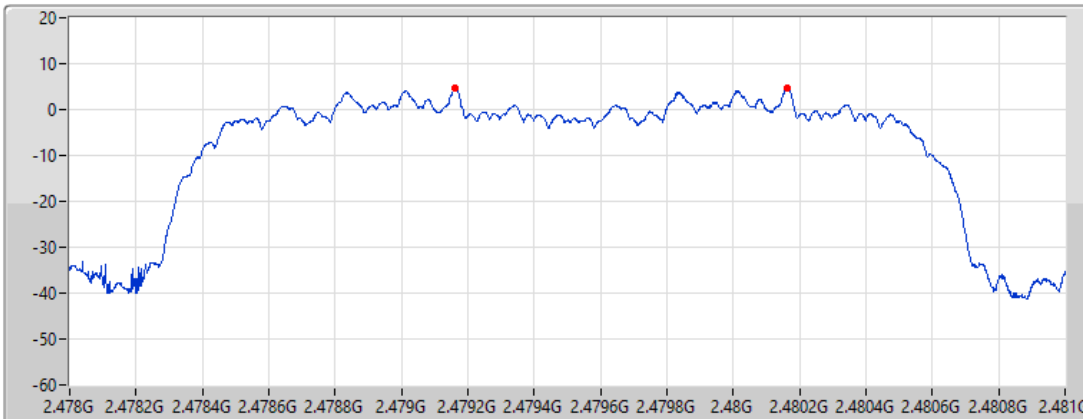
F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440163G	2.441162G	999k	871.794k


BT-EDR(2Mbps)

Channel Separation-FS

2.48G/2.479GHz

13/09/2022



Port 1 

Ch Freq
2.48G/2.479G

Span
3MHz

RBW
30kHz

VBW
100kHz

Sweep
100ms

Detector
Peak

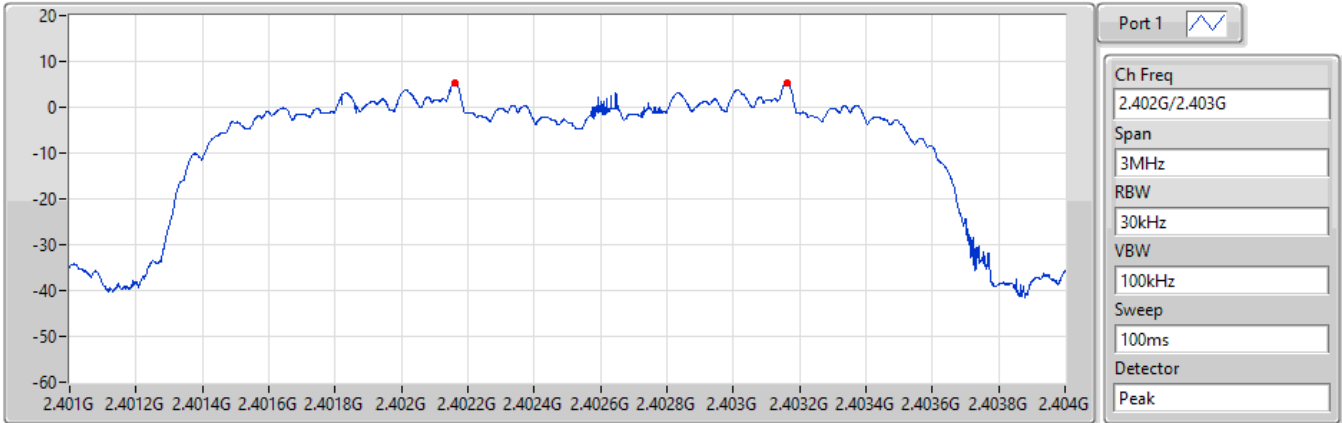
F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479161G	2.480163G	1.002M	869.796k

BT-EDR(3Mbps)

Channel Separation-FS

2.402G/2.403GHz

13/09/2022



F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402163G	2.403162G	999k	855.81k

BT-EDR(3Mbps)

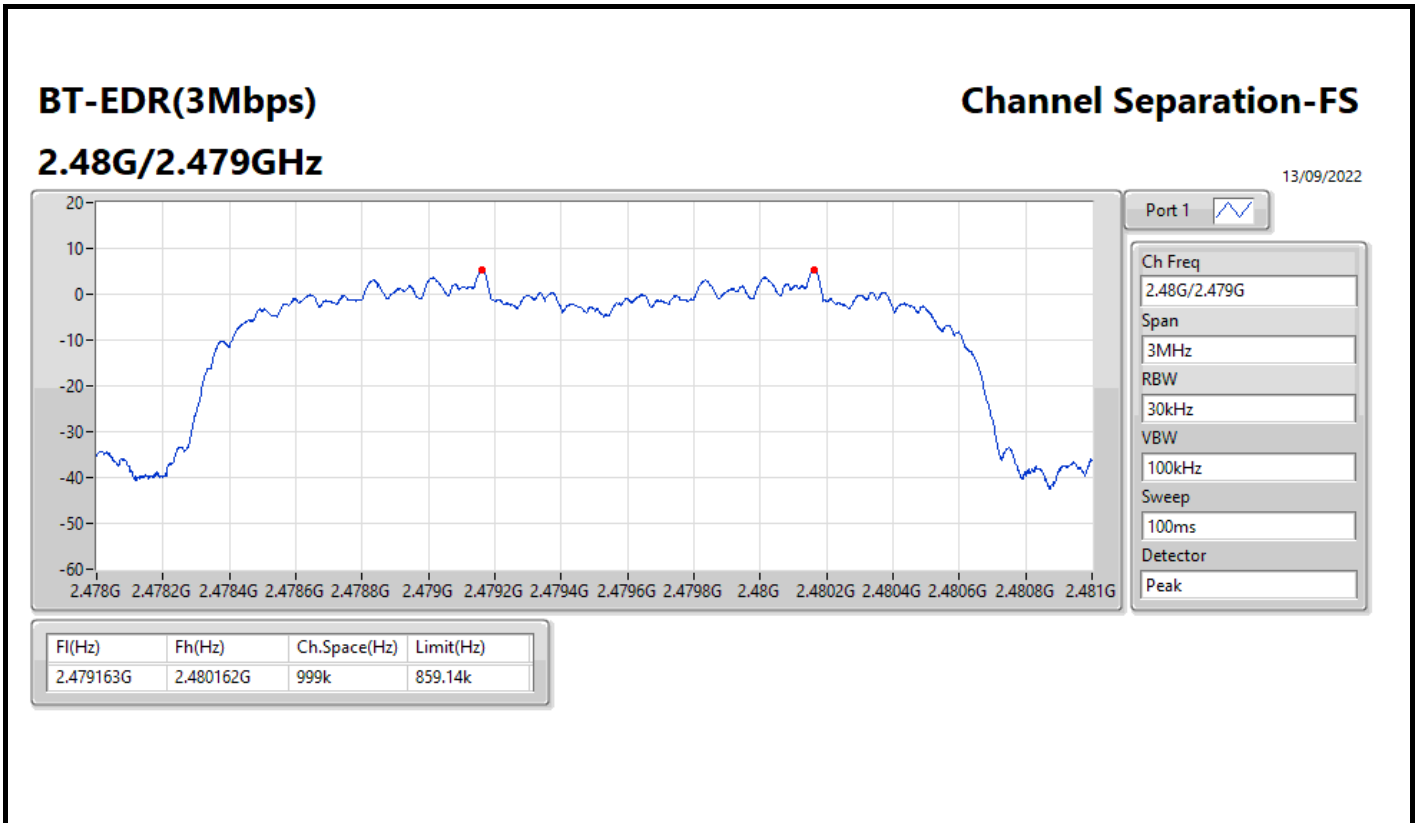
Channel Separation-FS

2.44G/2.441GHz

13/09/2022



F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440161G	2.441162G	1.0005M	856.476k





Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	5.94	0.00393
BT-EDR(2Mbps)	6.26	0.00423
BT-EDR(3Mbps)	6.55	0.00452



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	3.40	5.94	21.00
2440MHz	Pass	3.40	5.76	21.00
2480MHz	Pass	3.40	5.91	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	3.40	6.26	21.00
2440MHz	Pass	3.40	5.85	21.00
2480MHz	Pass	3.40	6.08	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	3.40	6.48	21.00
2440MHz	Pass	3.40	5.81	21.00
2480MHz	Pass	3.40	6.55	21.00

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



Summary

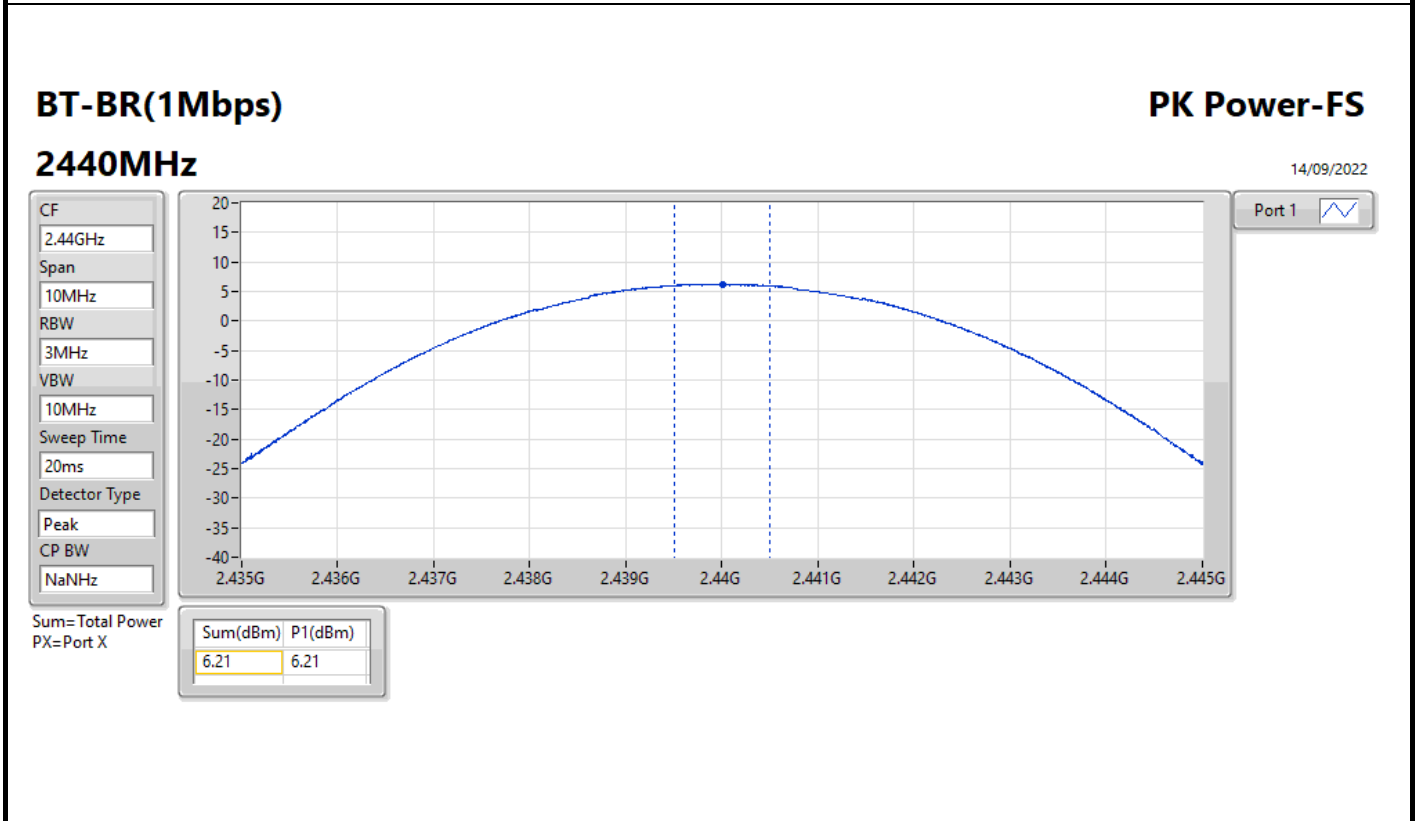
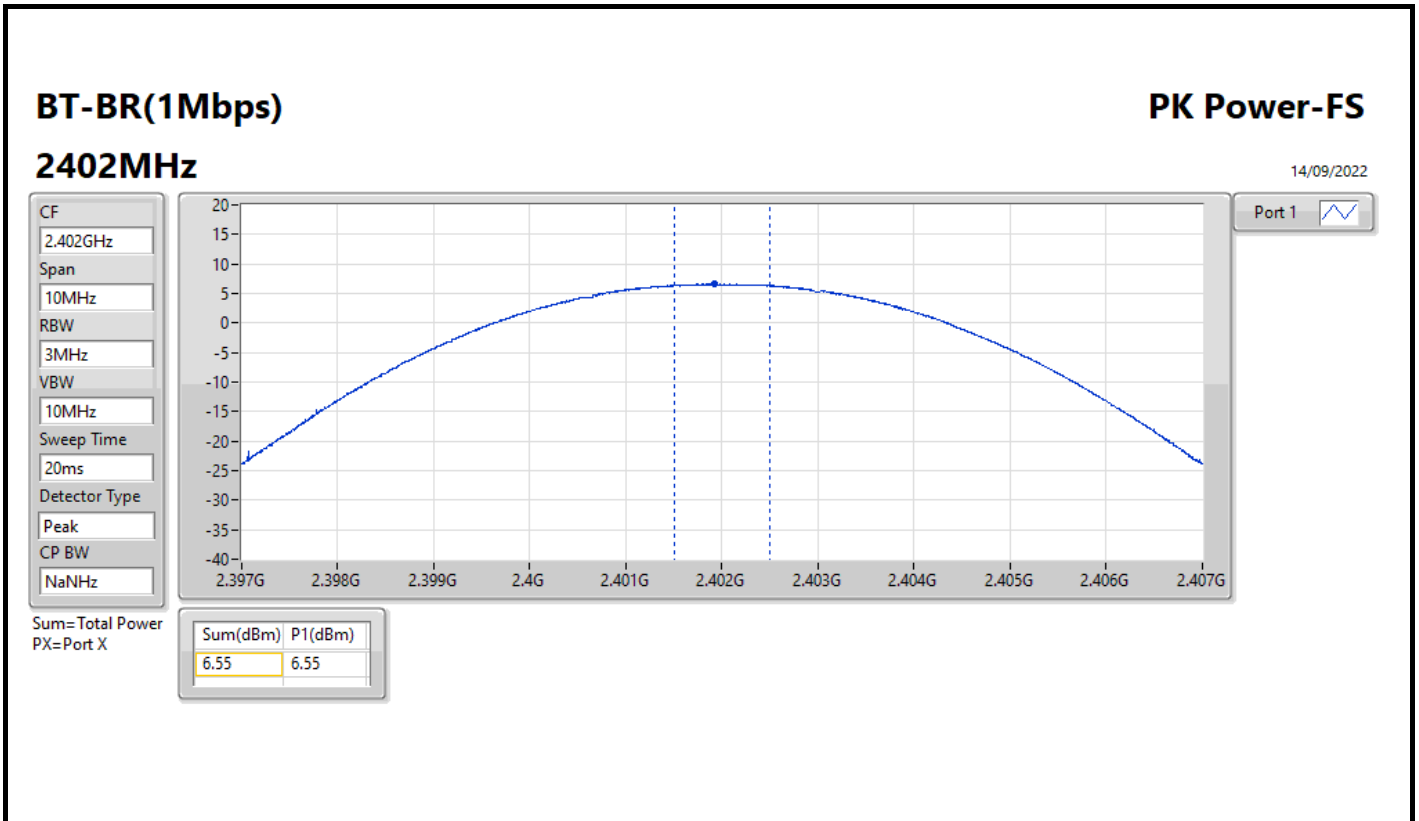
Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	6.55	0.00452
BT-EDR(2Mbps)	9.00	0.00794
BT-EDR(3Mbps)	9.66	0.00925

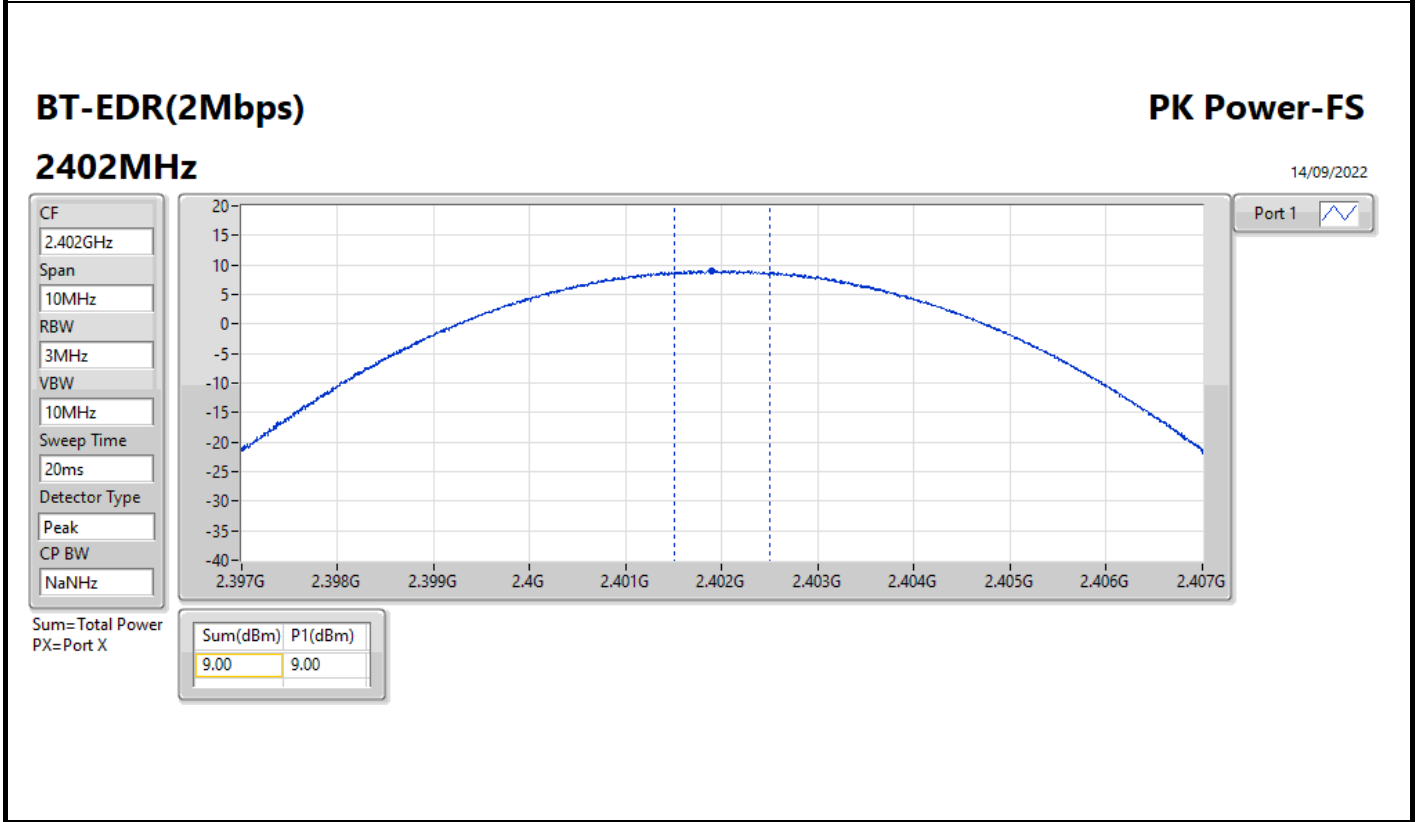
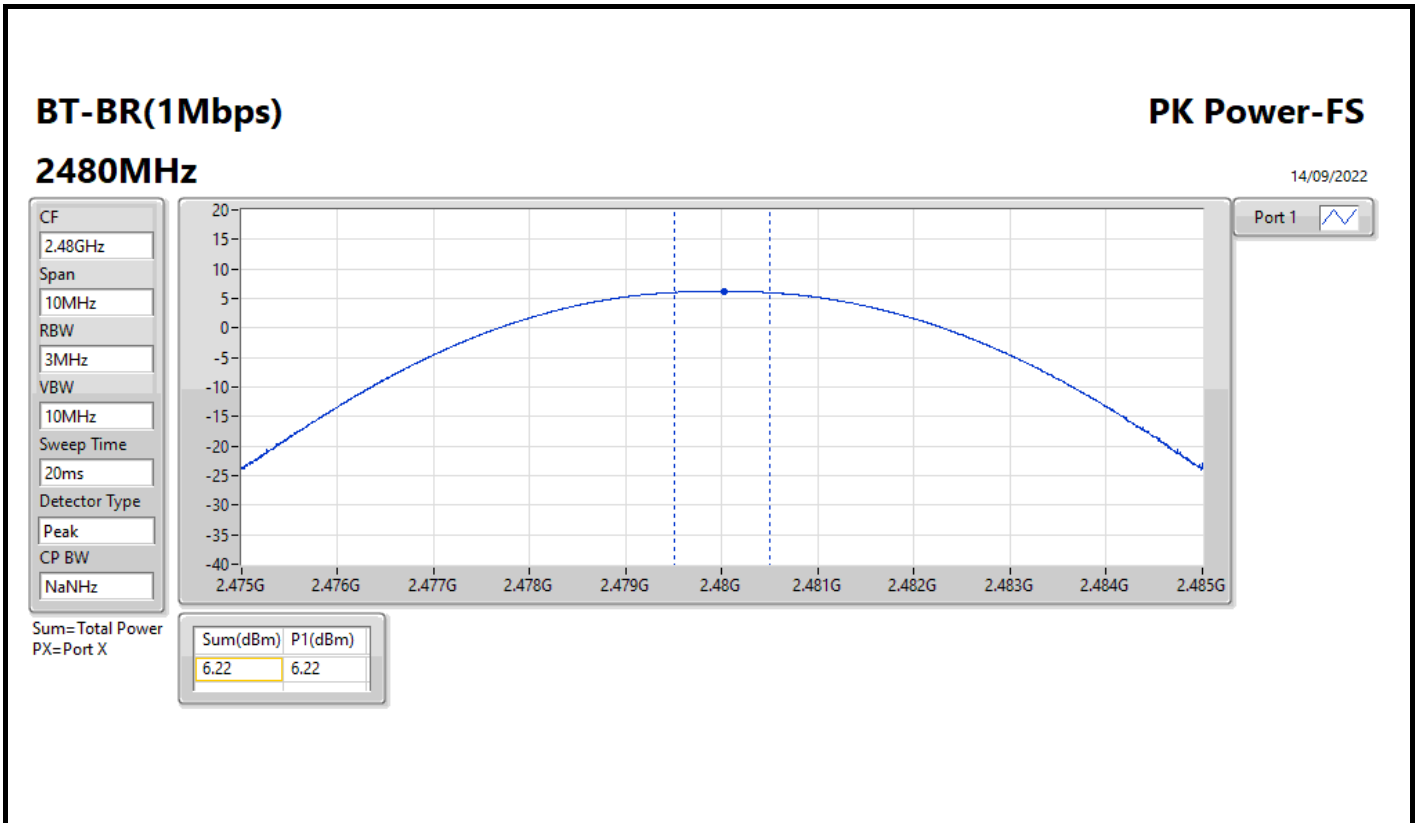


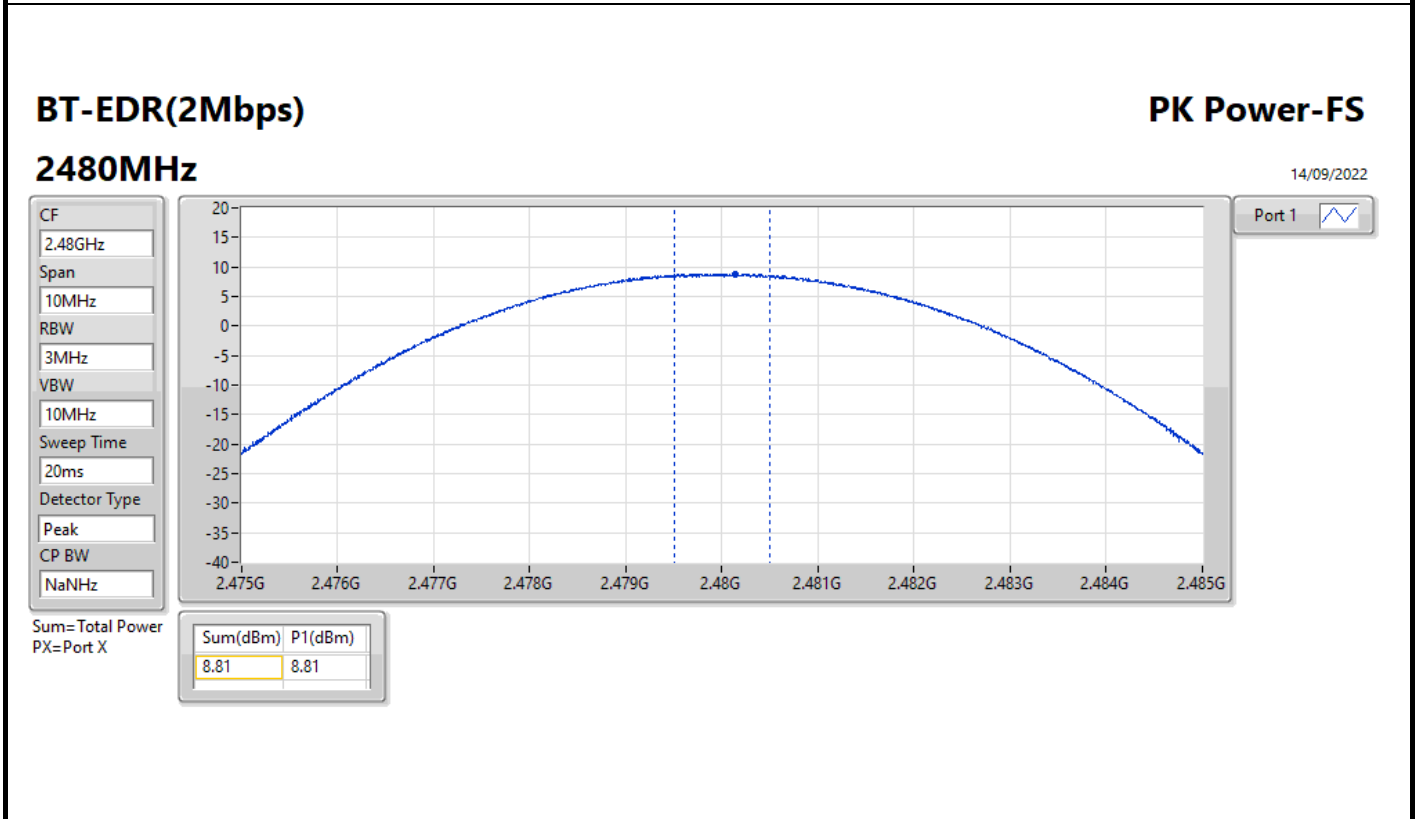
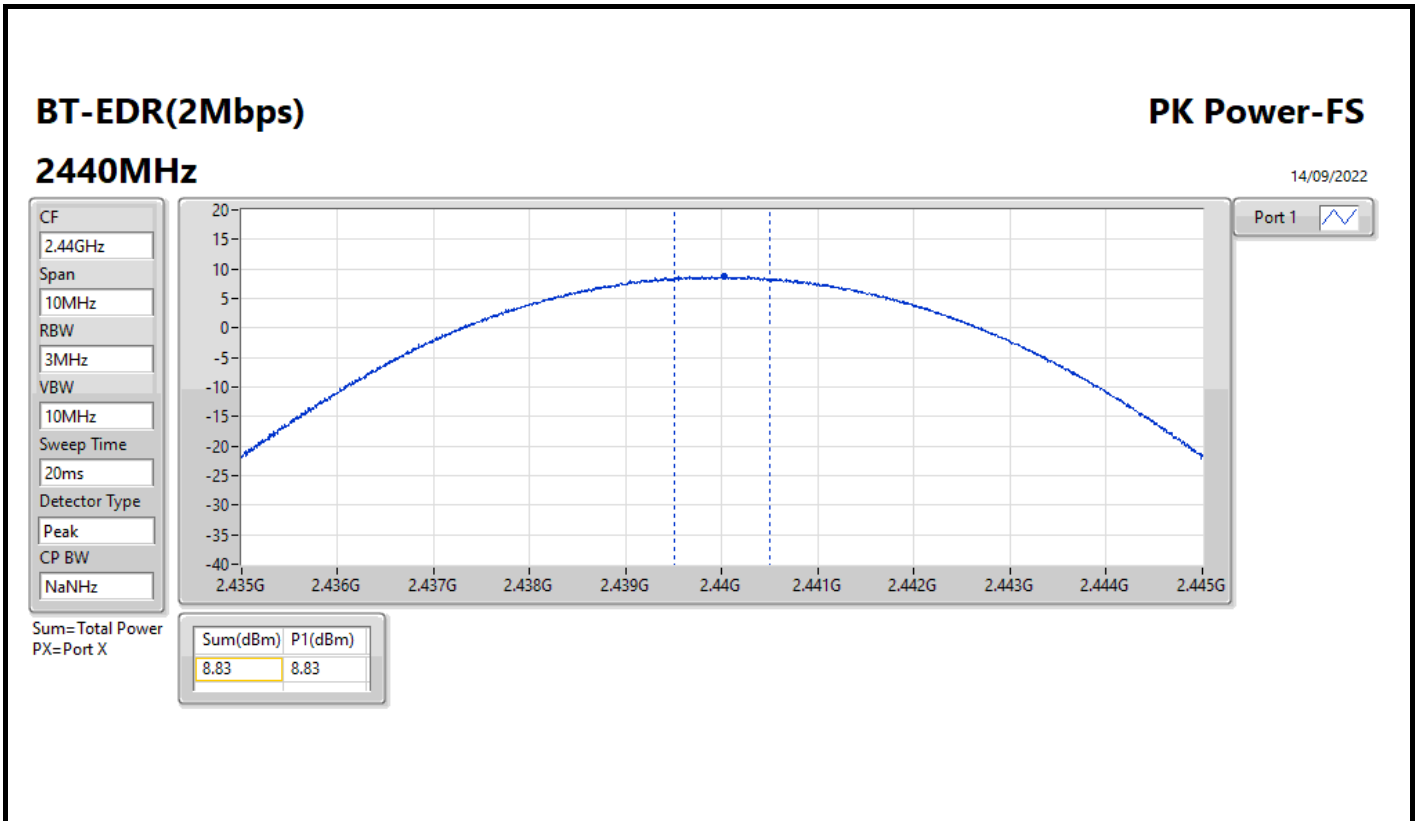
Result

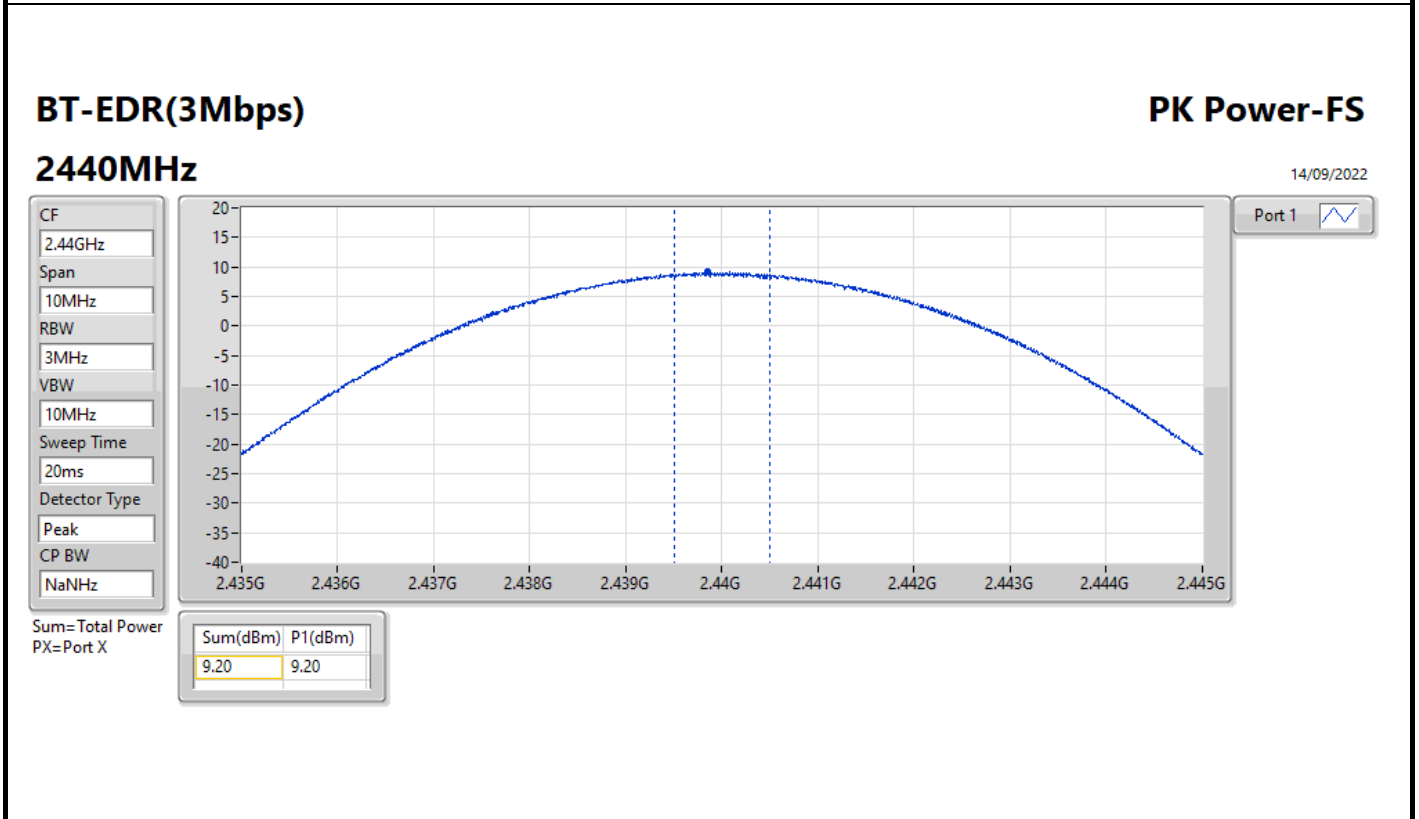
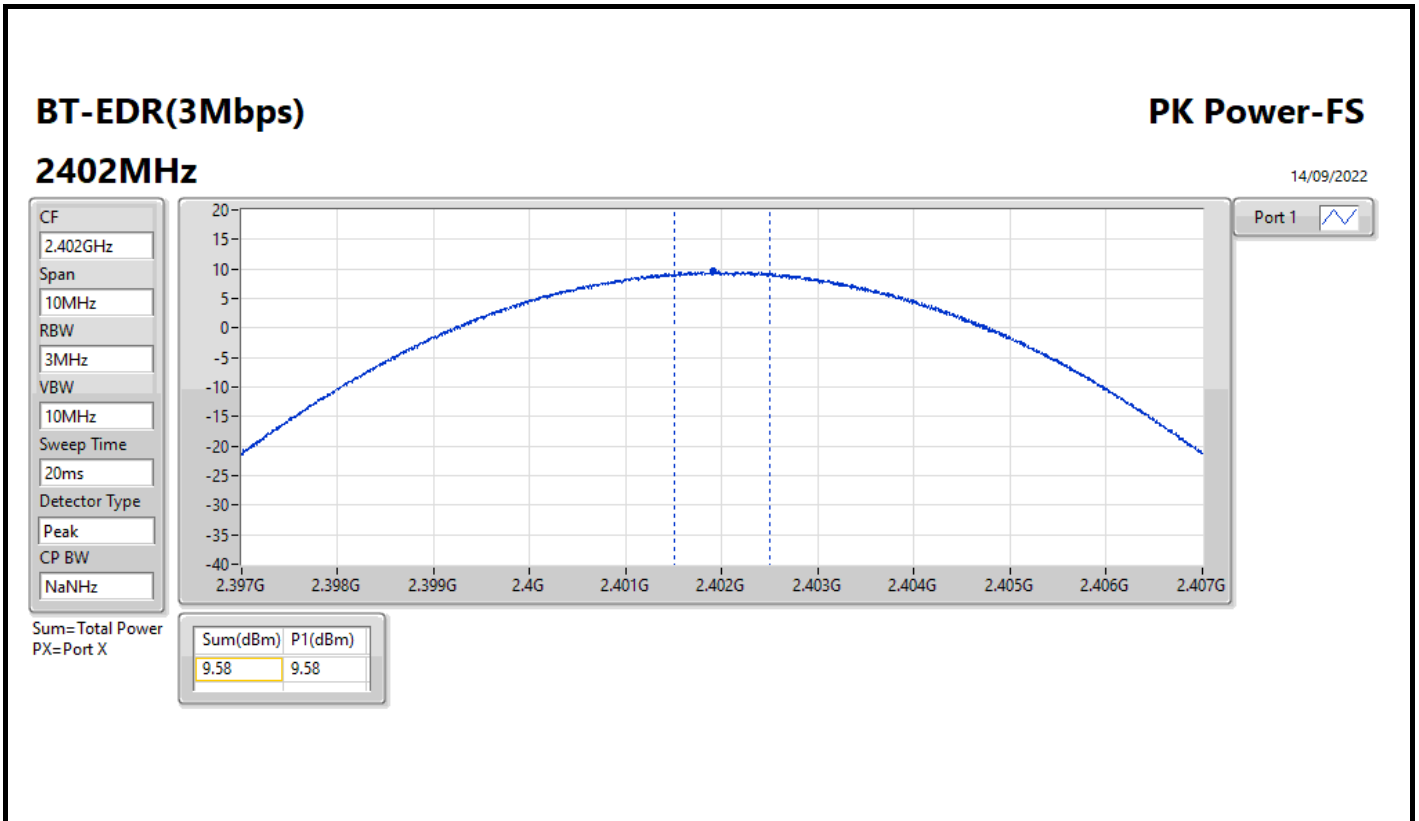
Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	3.40	6.55	21.00
2440MHz	Pass	3.40	6.21	21.00
2480MHz	Pass	3.40	6.22	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	3.40	9.00	21.00
2440MHz	Pass	3.40	8.83	21.00
2480MHz	Pass	3.40	8.81	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	3.40	9.58	21.00
2440MHz	Pass	3.40	9.20	21.00
2480MHz	Pass	3.40	9.66	21.00

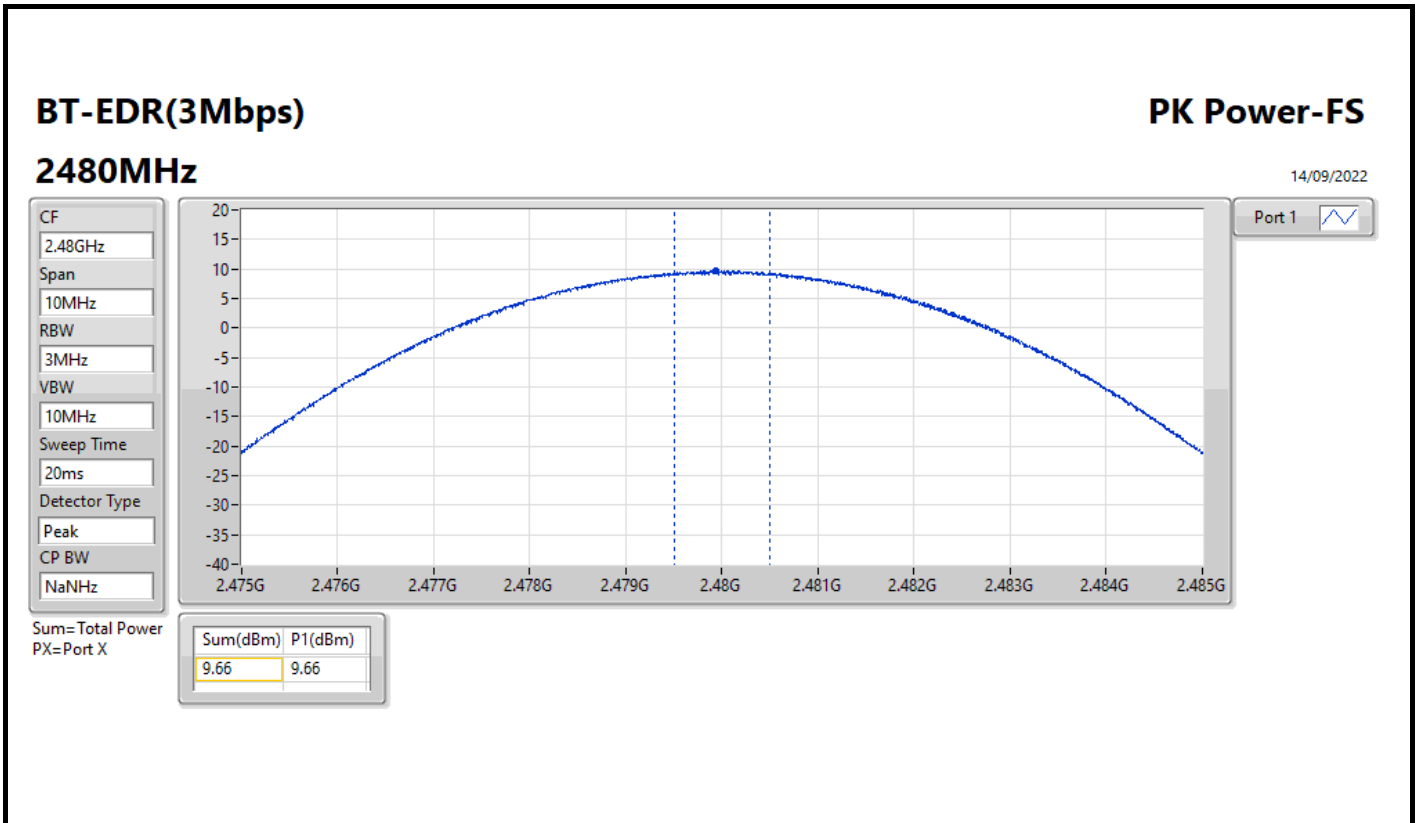
DG = Directional Gain; Port X = Port X output power













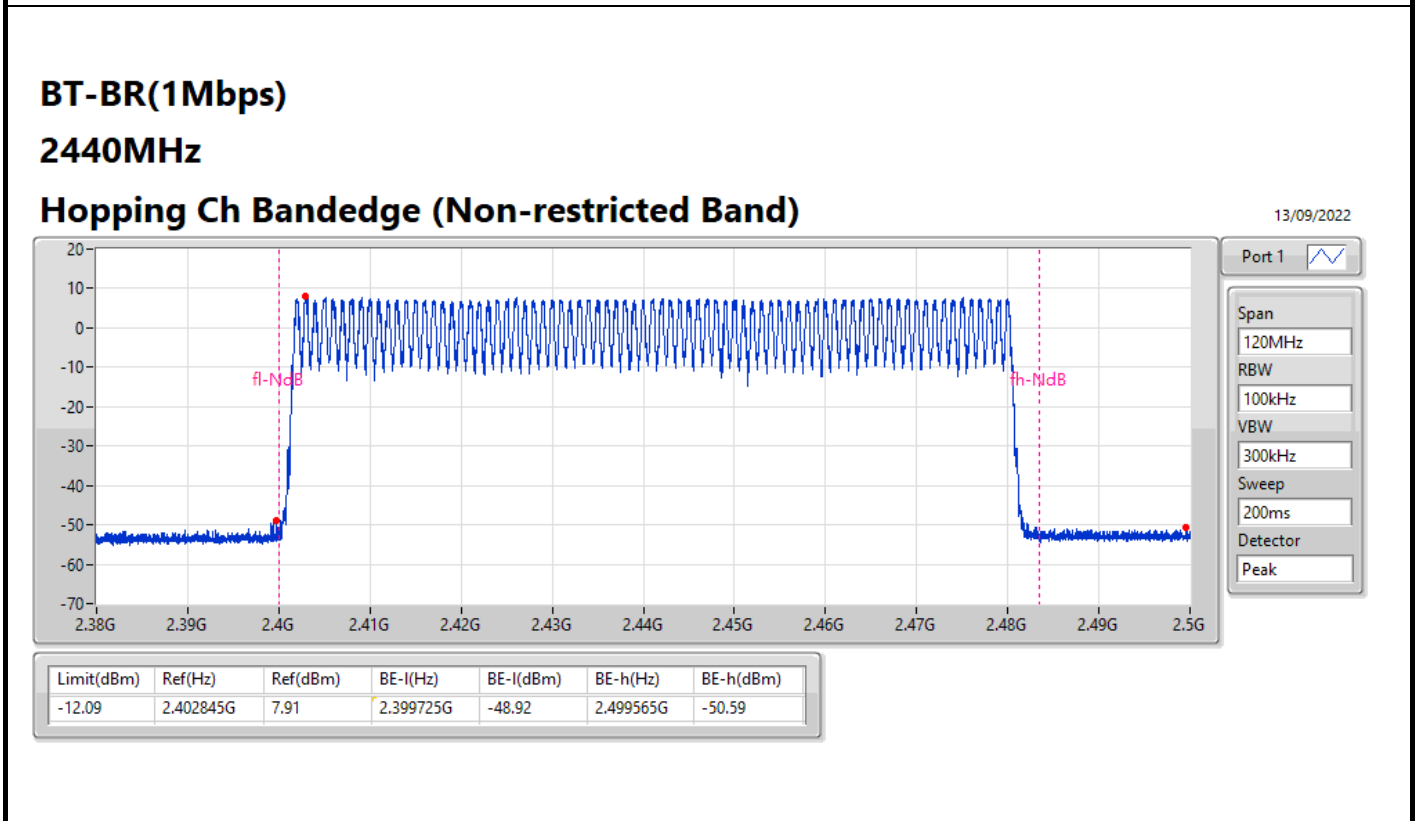
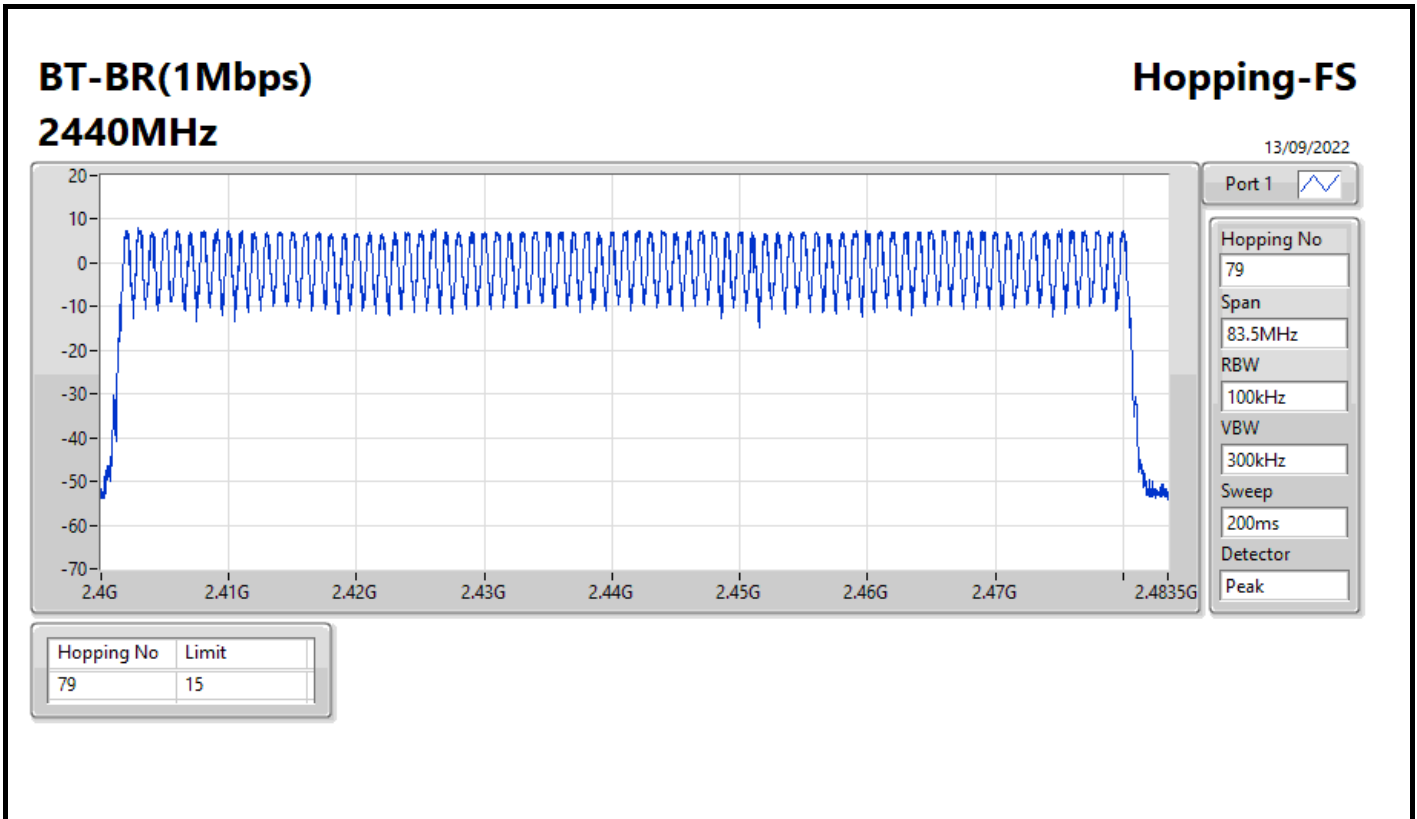
Summary

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



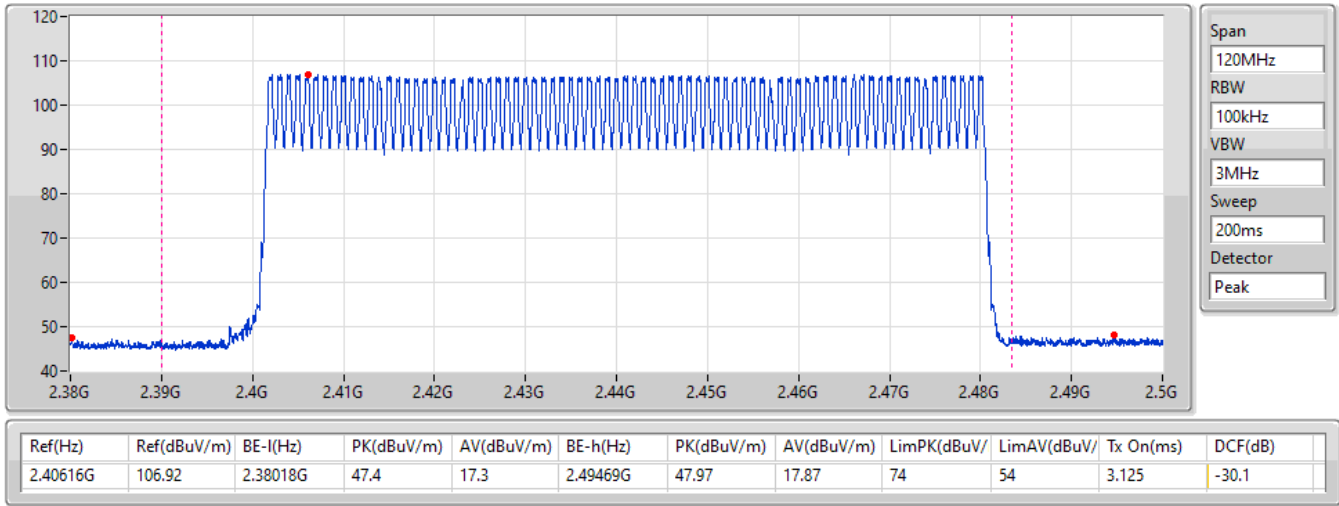
Result

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



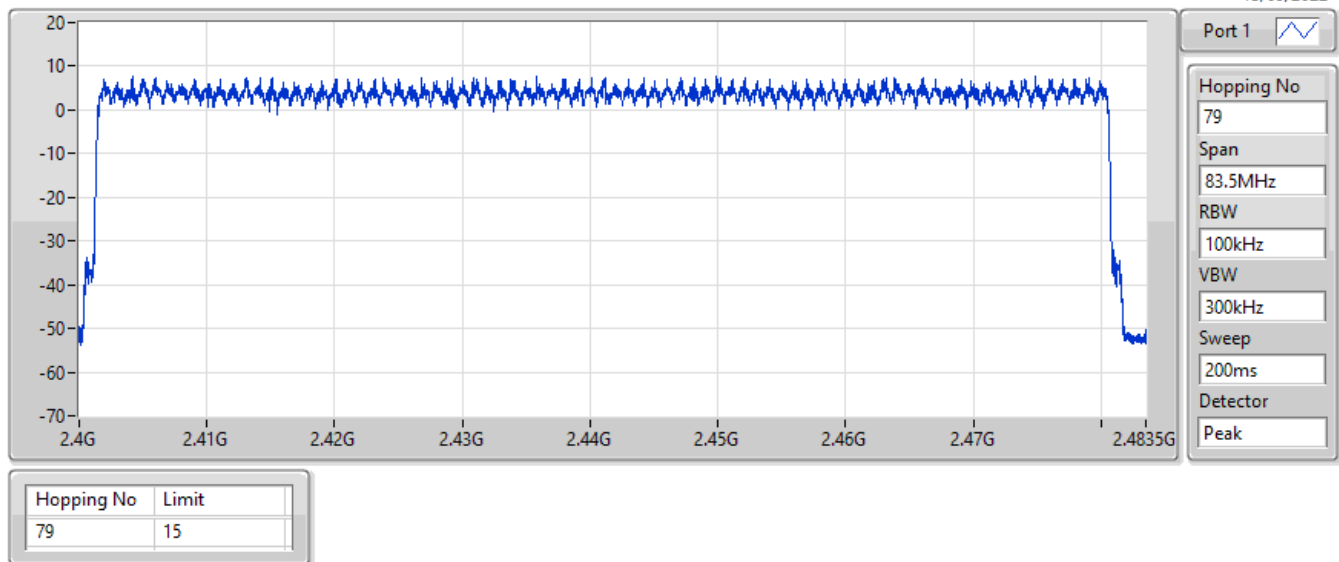
BT-BR(1Mbps)
2440MHz
Hopping Ch Bandedge (Restricted Band)

13/09/2022



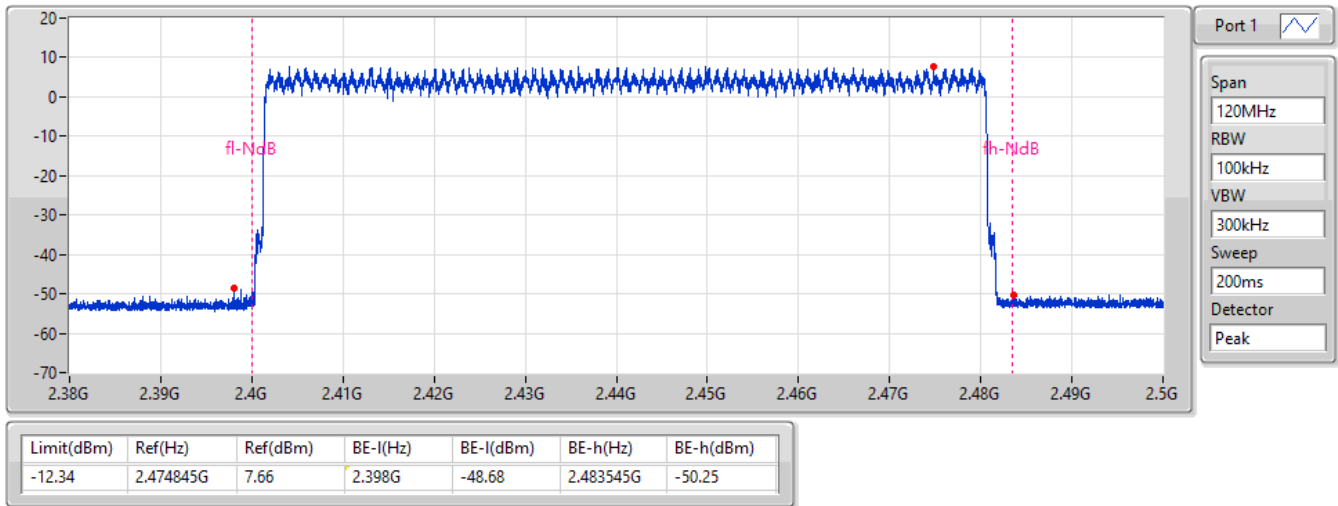
BT-EDR(2Mbps) **Hopping-FS**
2440MHz

13/09/2022



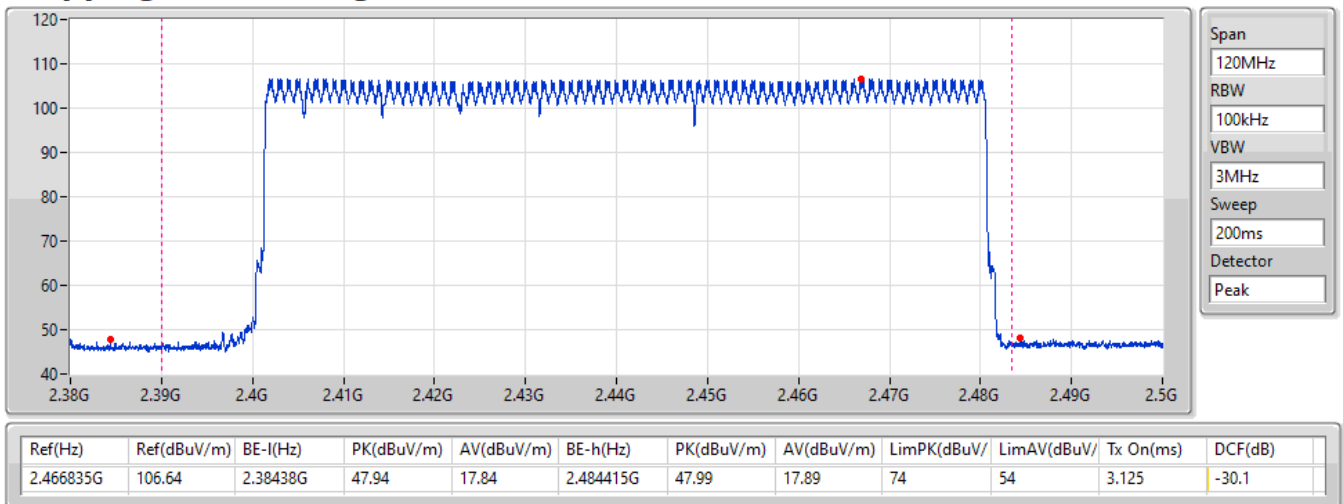
BT-EDR(2Mbps) 2440MHz Hopping Ch Bandedge (Non-restricted Band)

13/09/2022



BT-EDR(2Mbps) 2440MHz Hopping Ch Bandedge (Restricted Band)

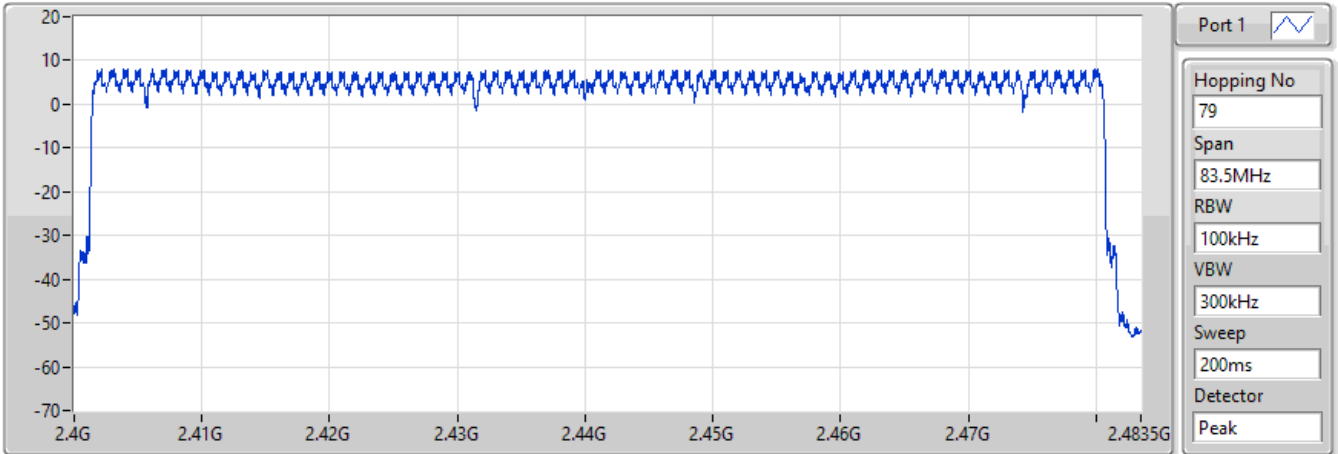
13/09/2022



**BT-EDR(3Mbps)
2440MHz**

Hopping-FS

13/09/2022

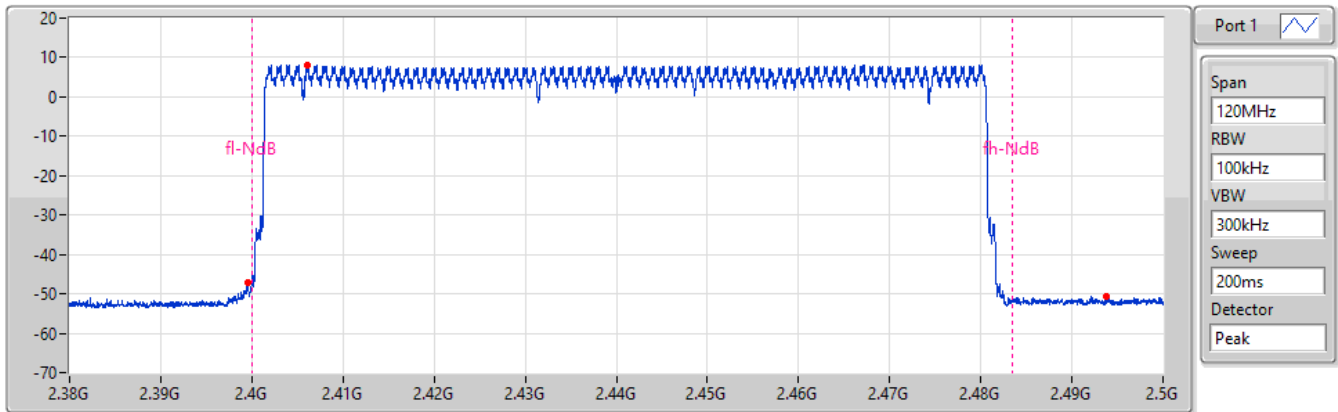


Hopping No	Limit
79	15

**BT-EDR(3Mbps)
2440MHz**

Hopping Ch Bandedge (Non-restricted Band)

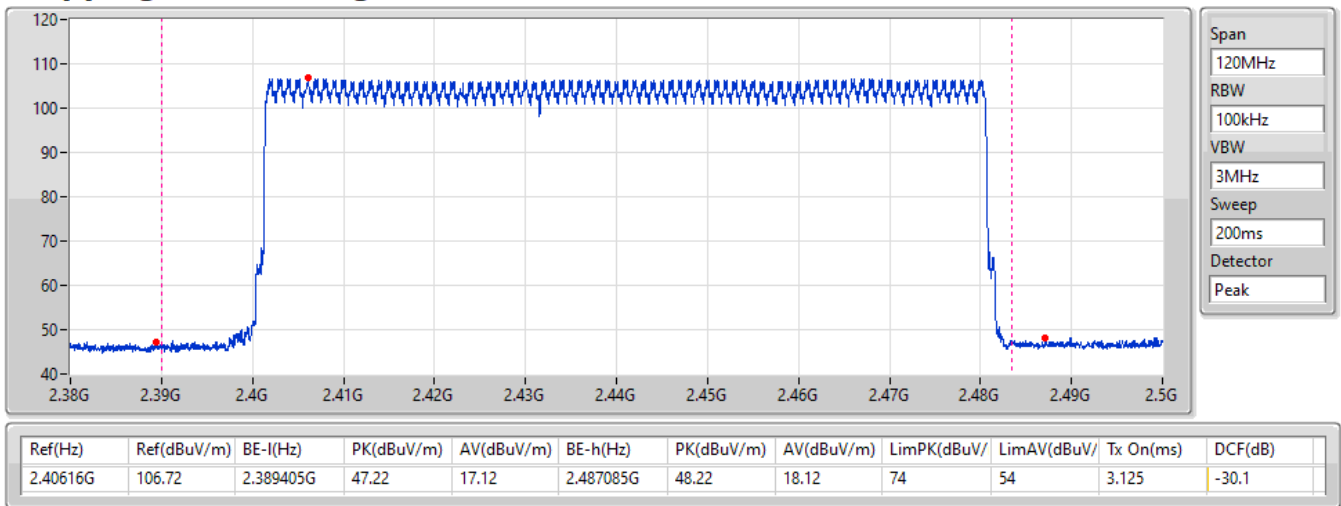
13/09/2022



Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-11.91	2.40616G	8.09	2.399515G	-47.24	2.49373G	-50.72

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

13/09/2022



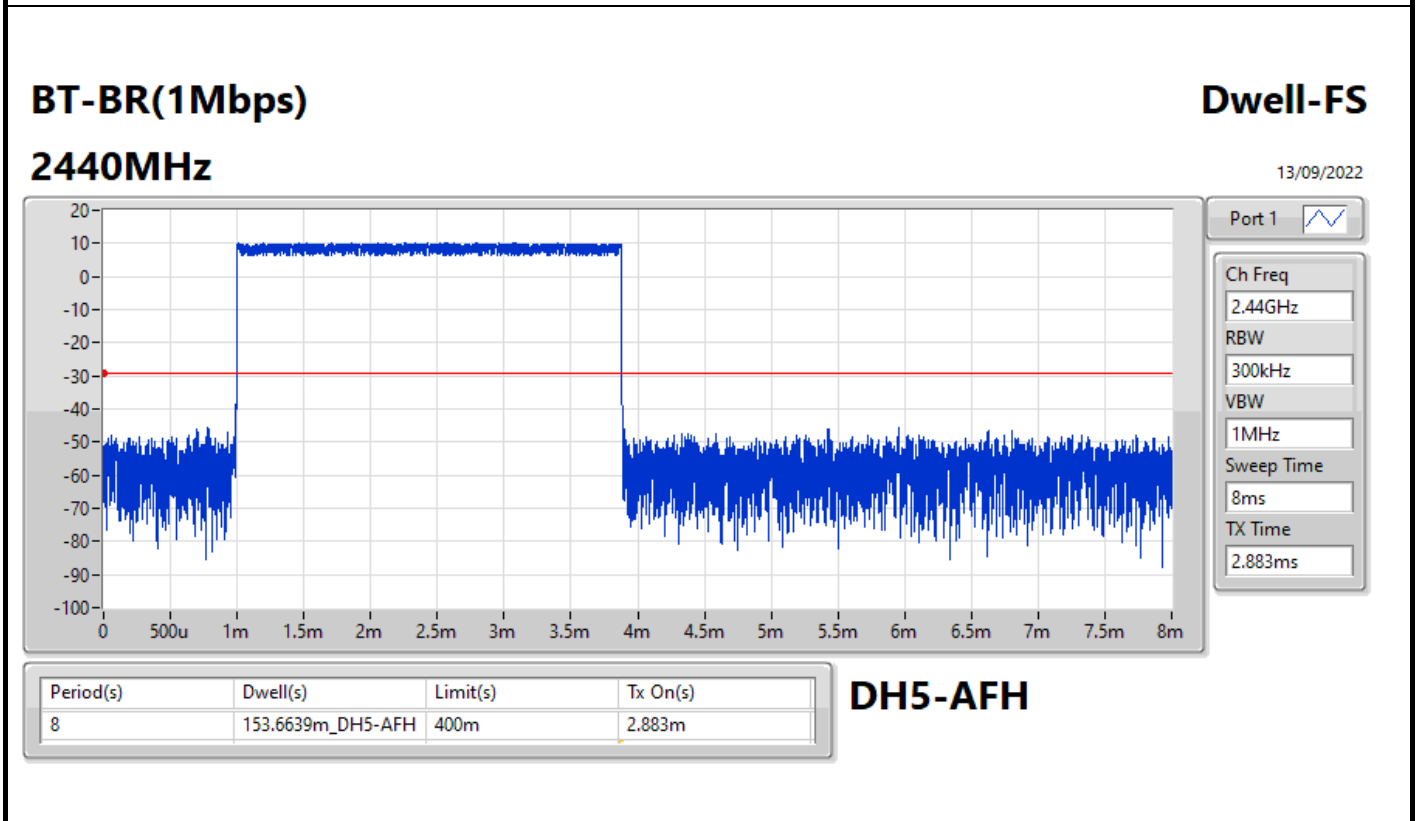
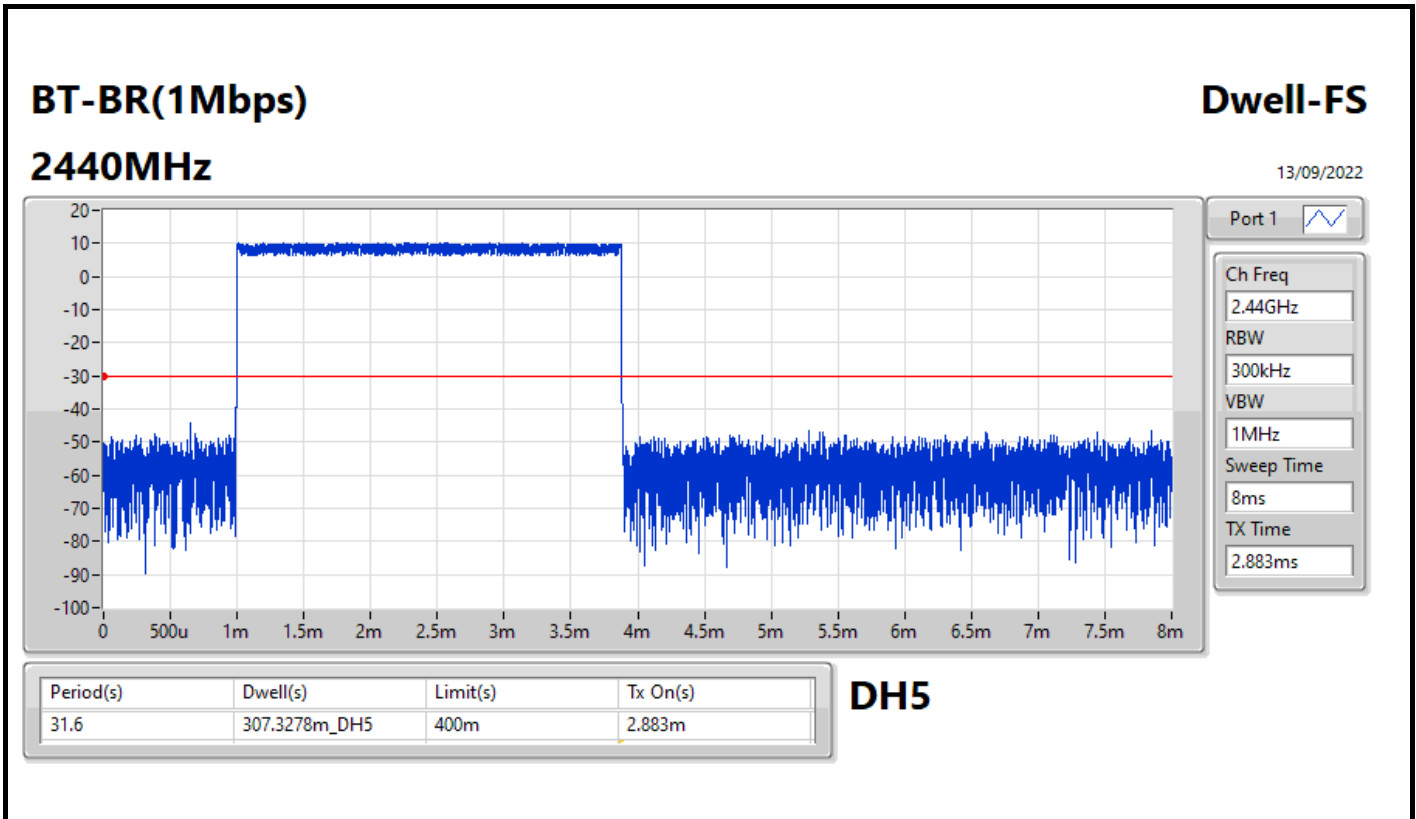


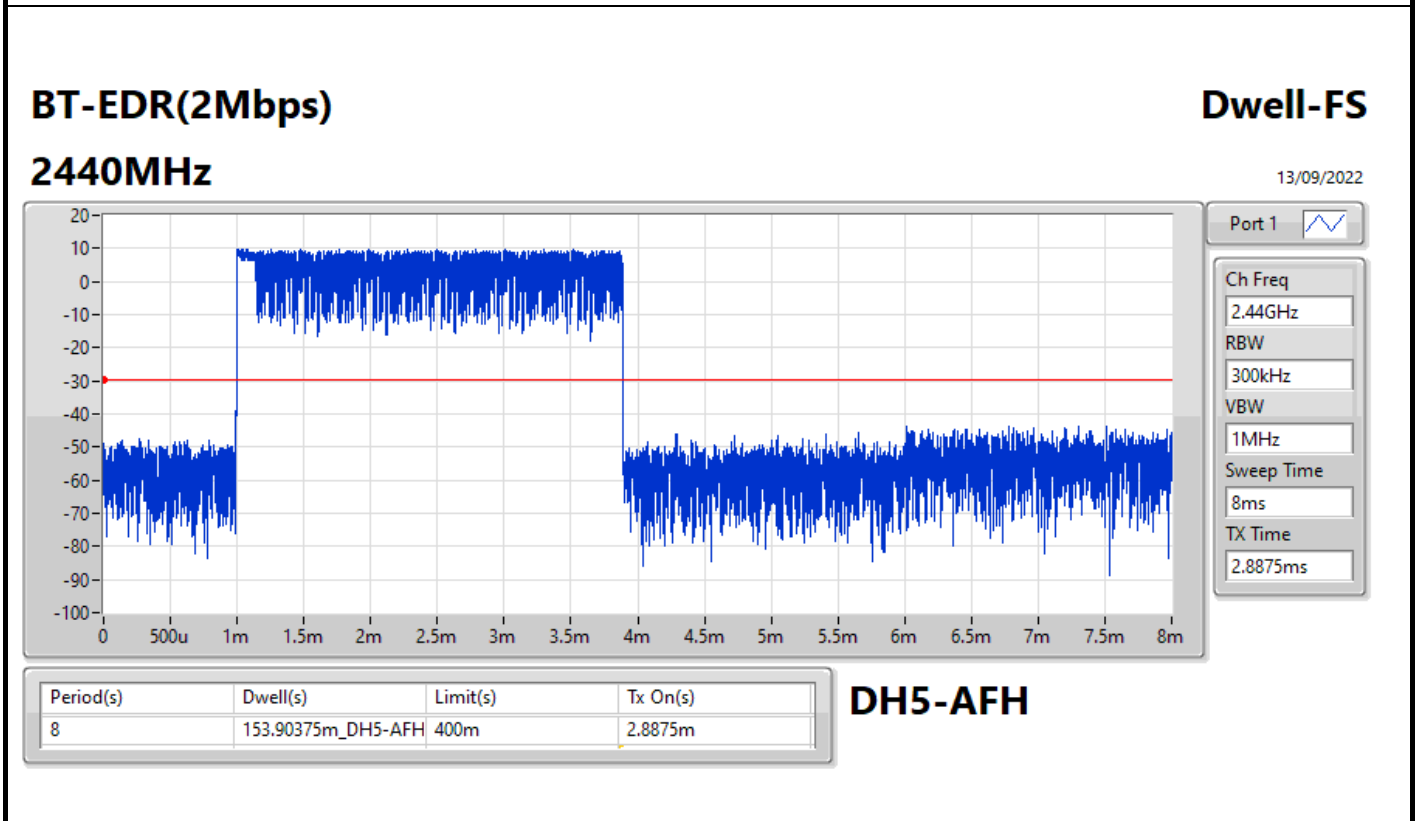
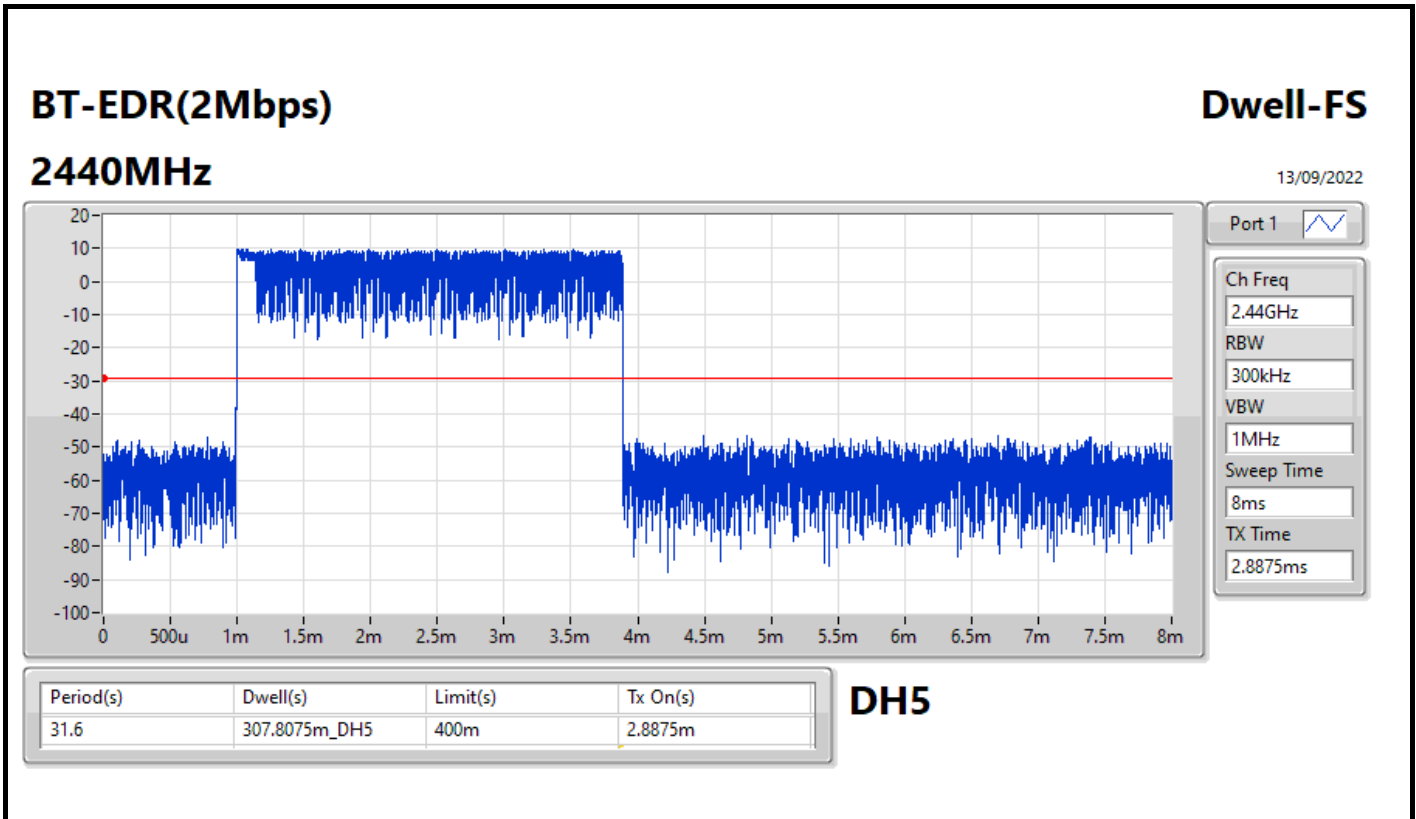
Summary

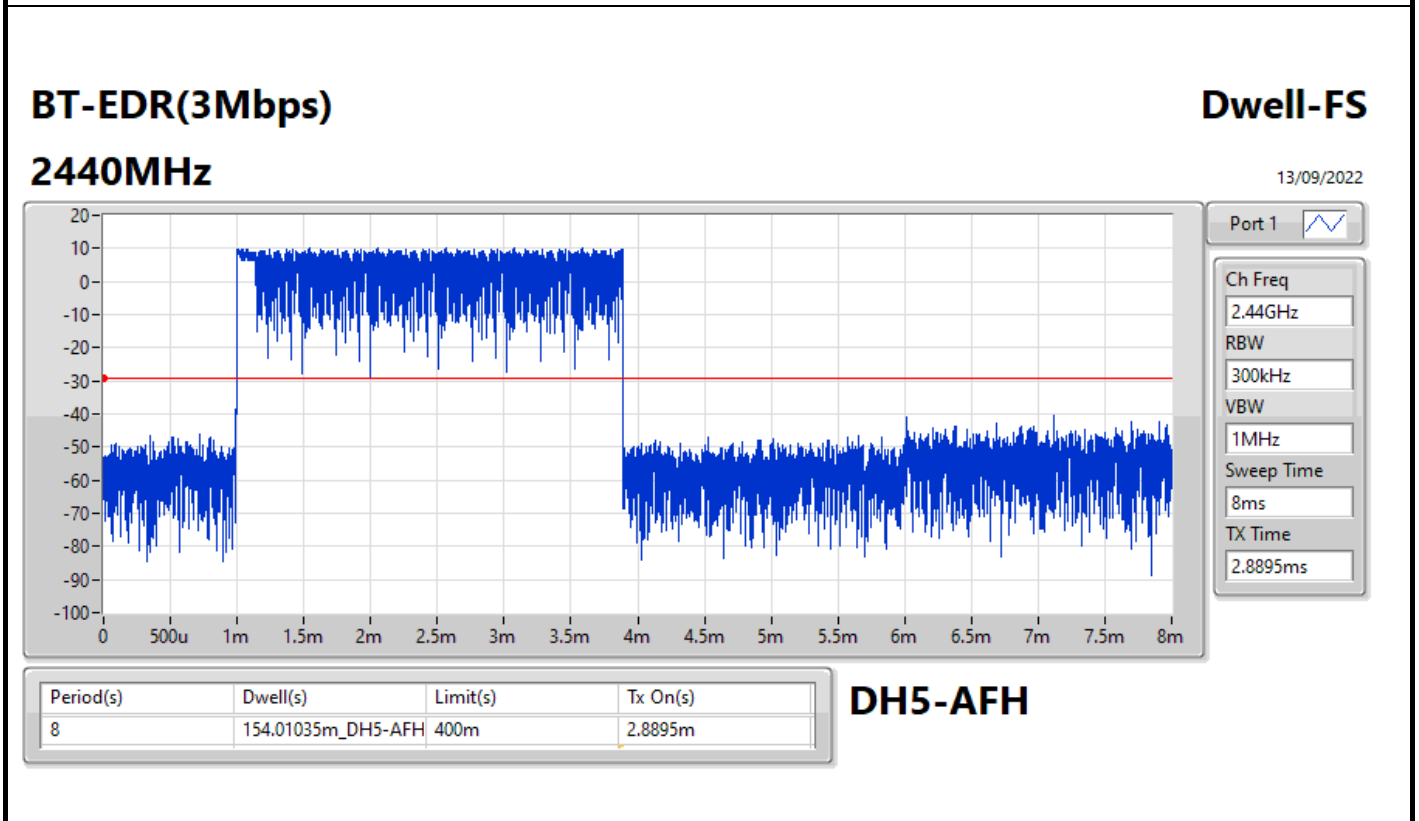
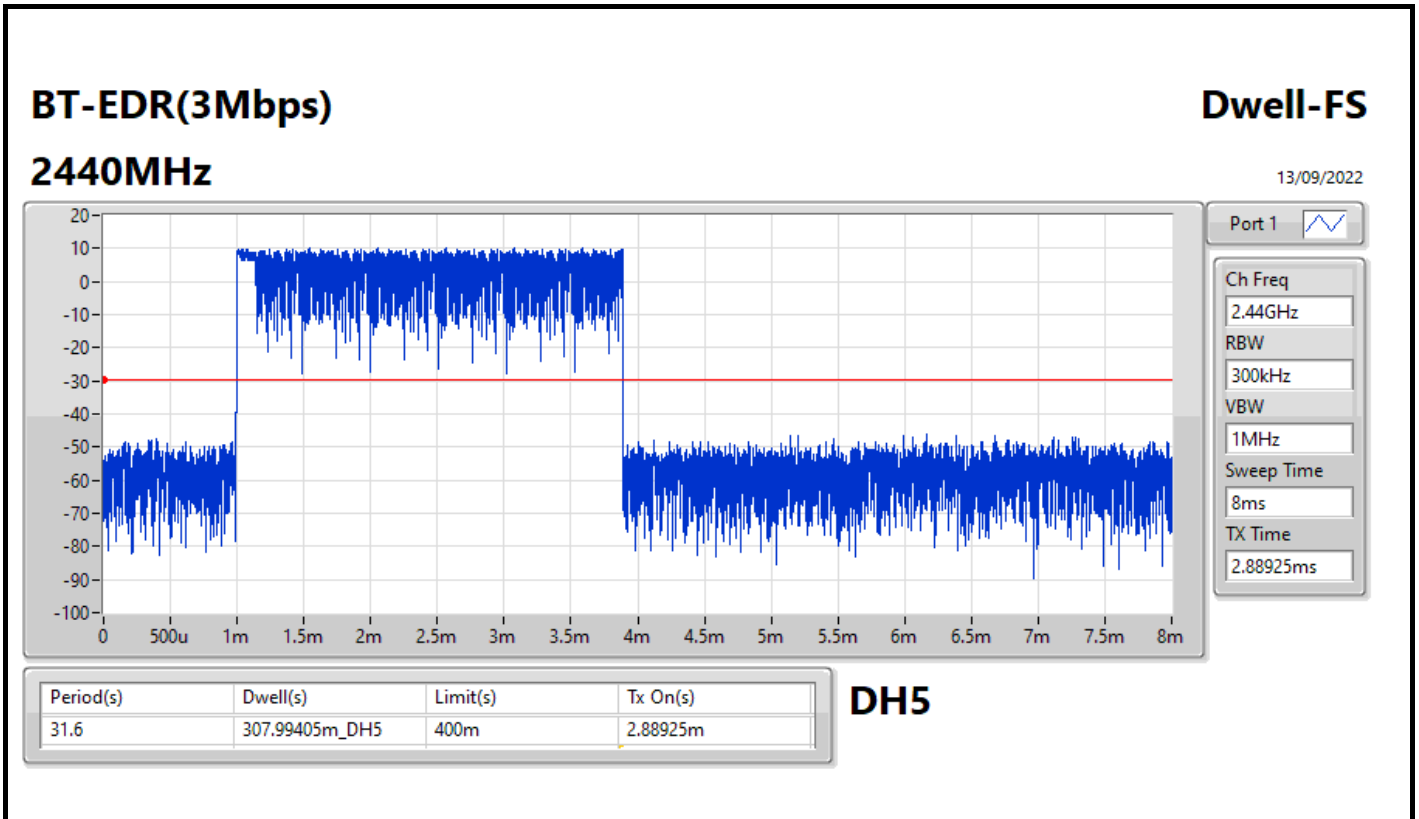
Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	307.3278m_DH5
BT-EDR(2Mbps)	307.8075m_DH5
BT-EDR(3Mbps)	307.99405m_DH5

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	307.3278m_DH5	400m	2.883m
2440MHz	Pass	8	153.6639m_DH5-AFH	400m	2.883m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	307.8075m_DH5	400m	2.8875m
2440MHz	Pass	8	153.90375m_DH5-AFH	400m	2.8875m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	307.99405m_DH5	400m	2.88925m
2440MHz	Pass	8	154.01035m_DH5-AFH	400m	2.8895m







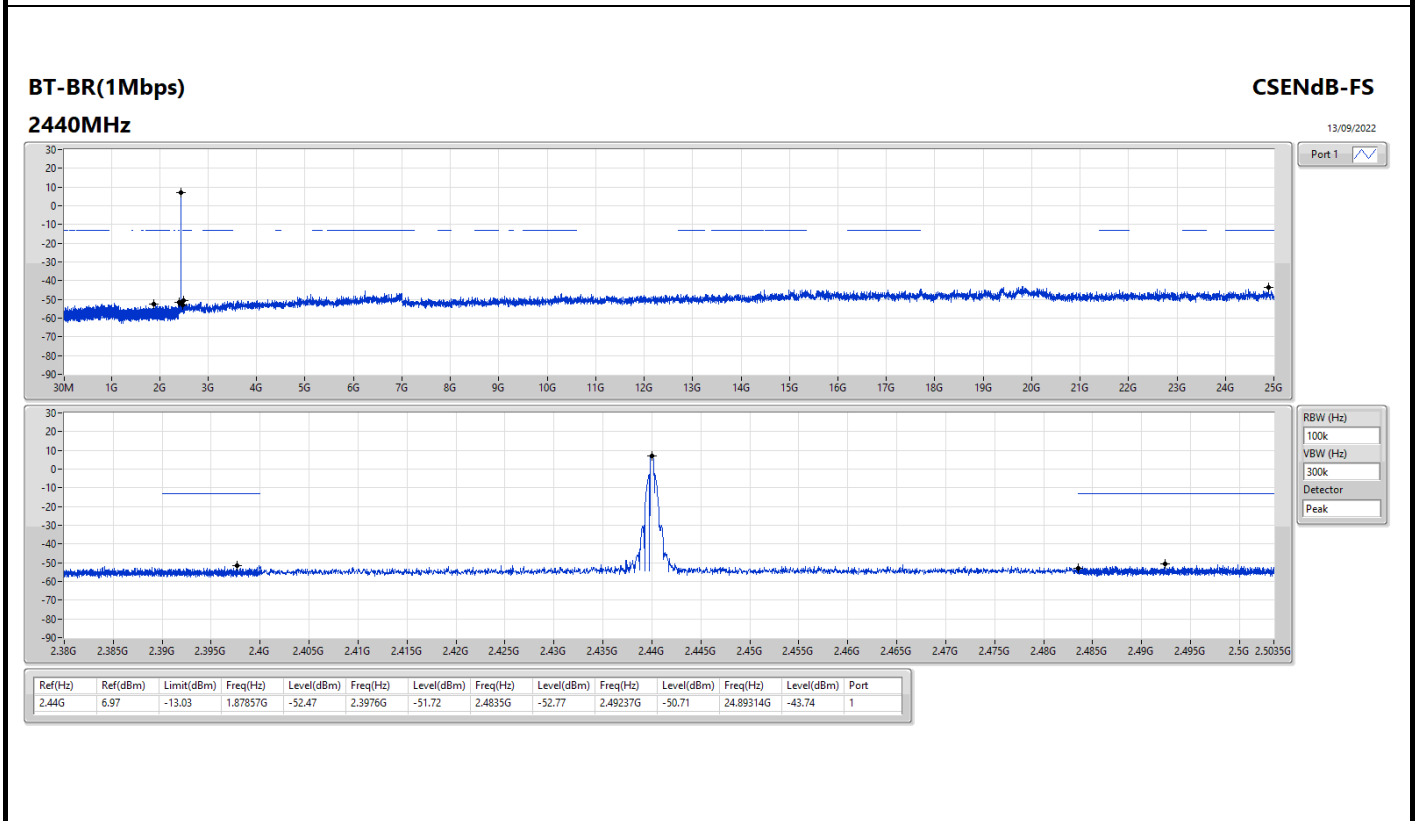
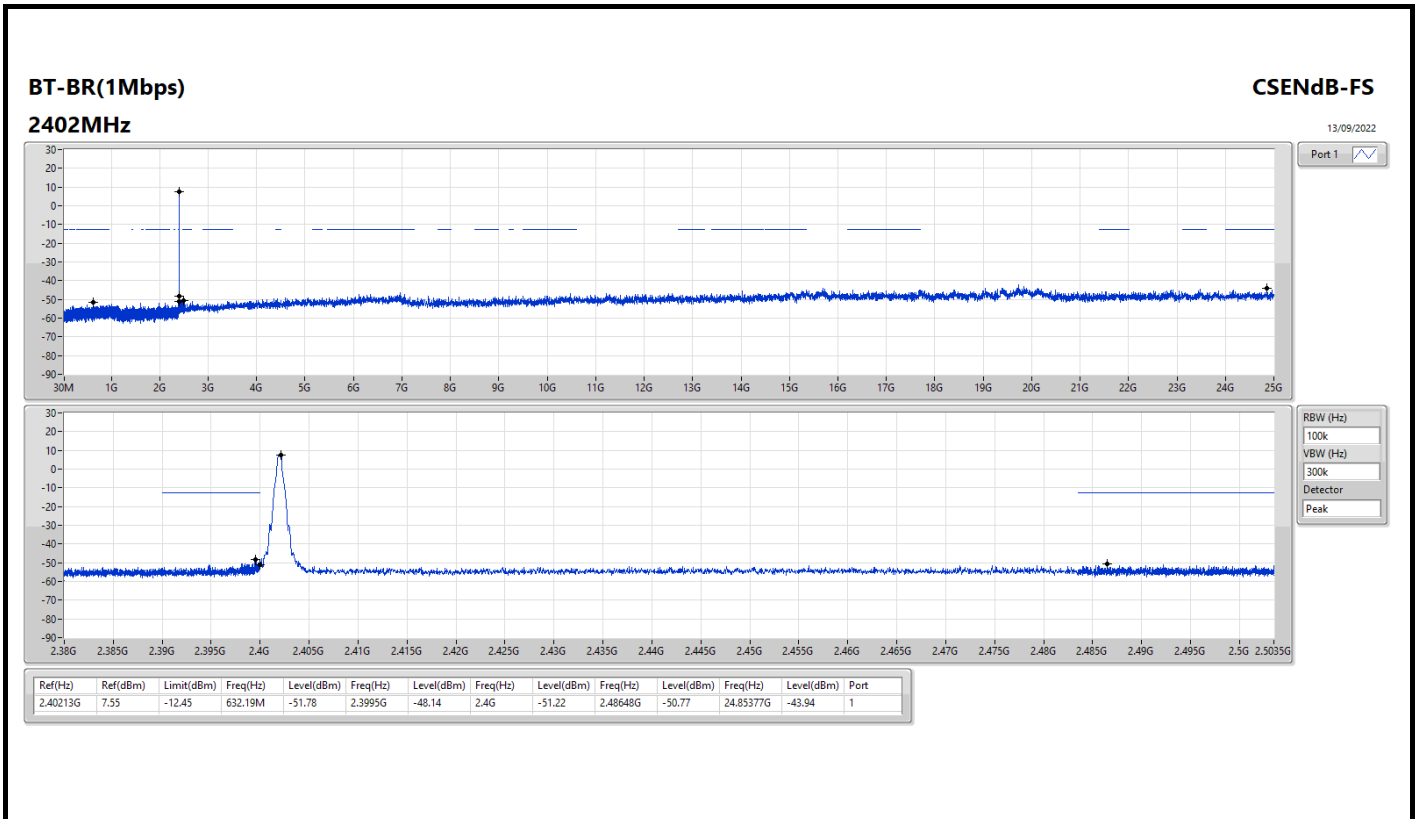


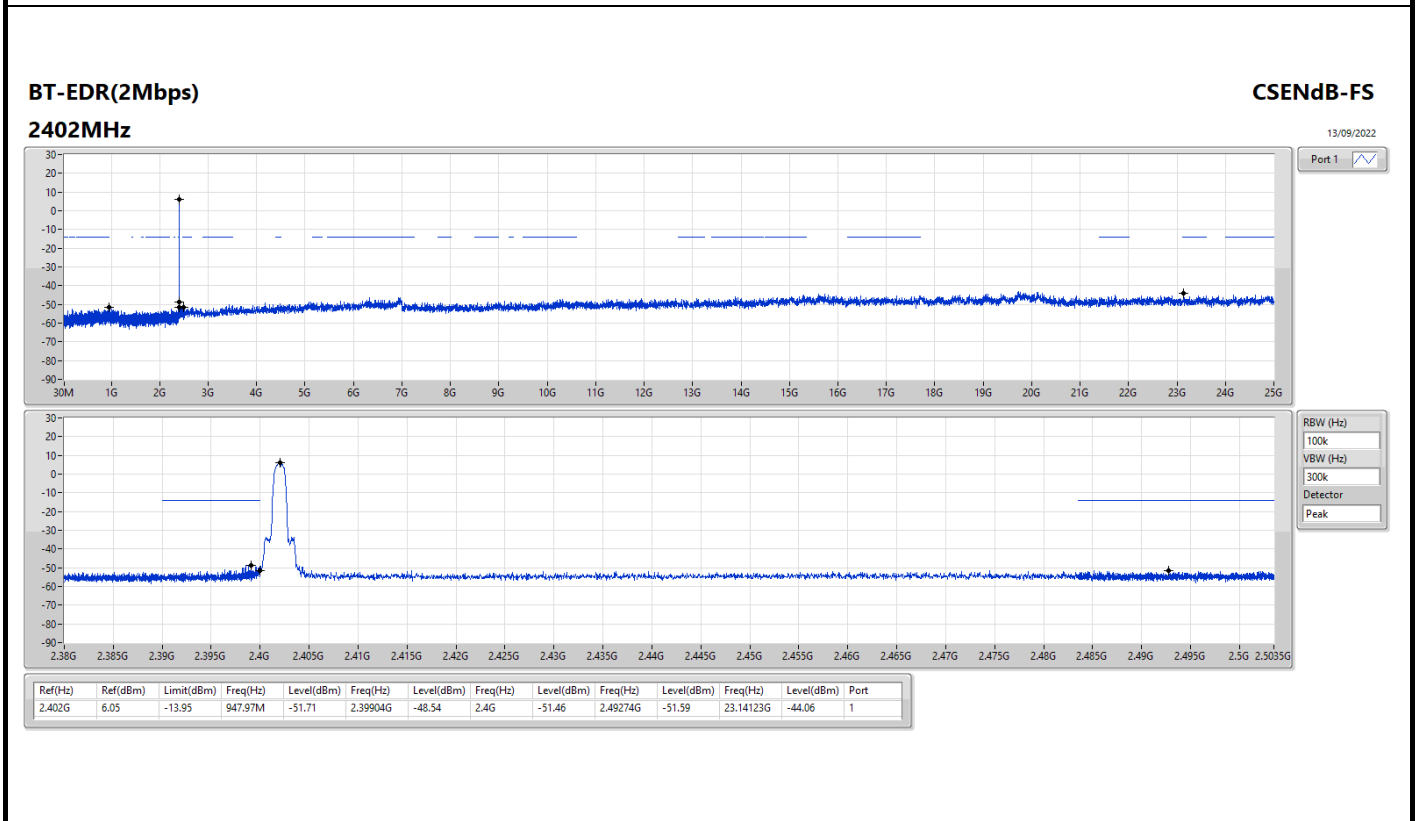
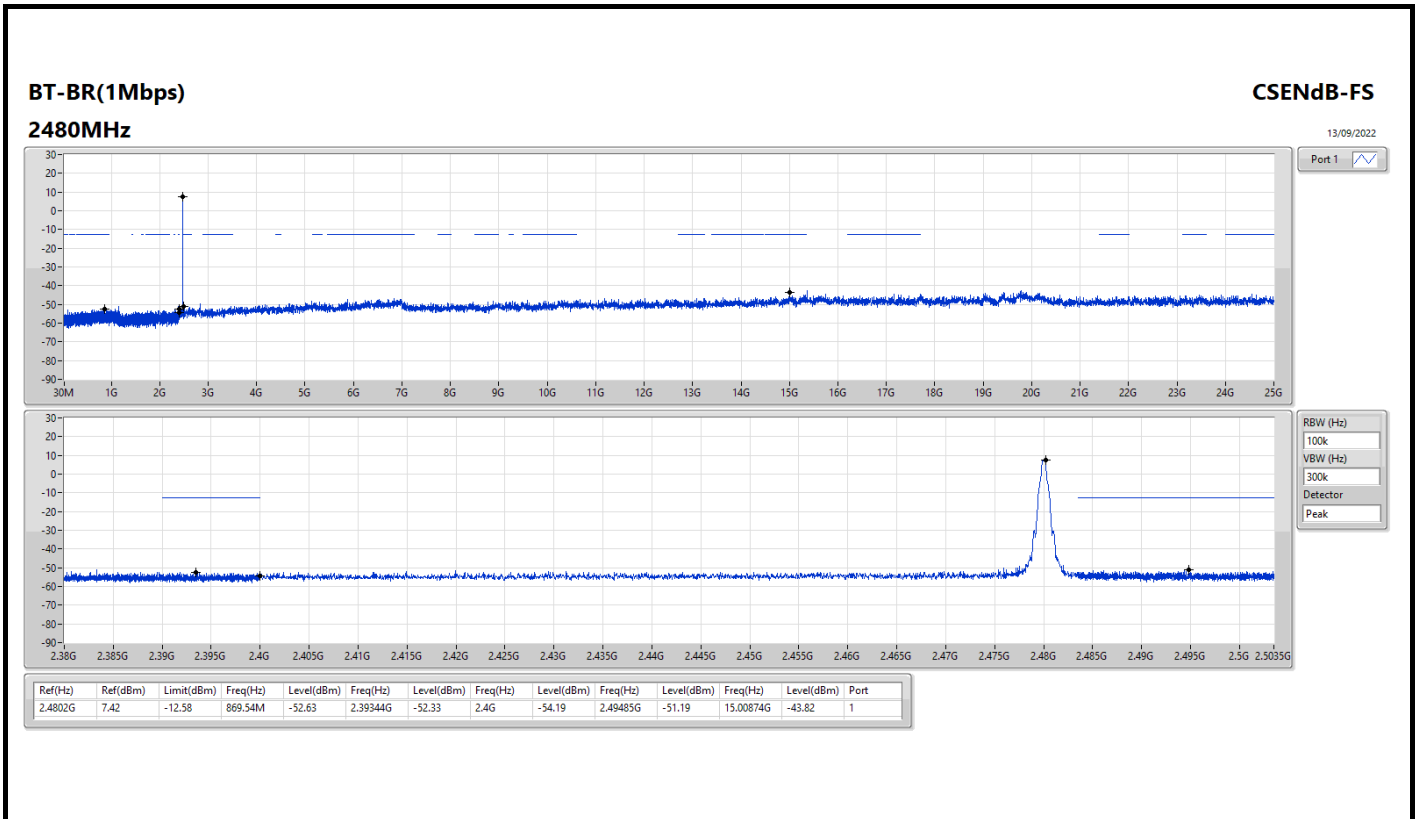
Summary

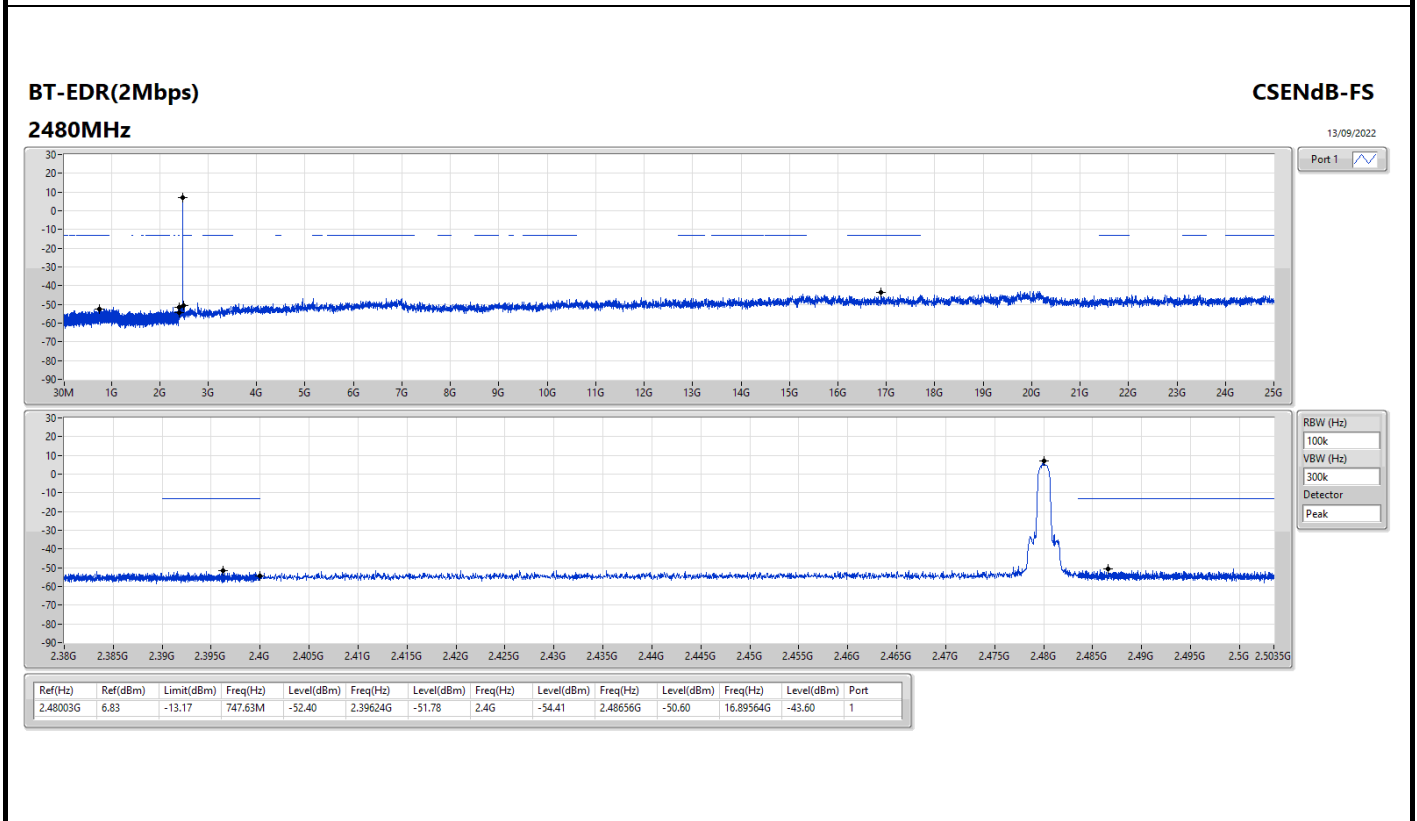
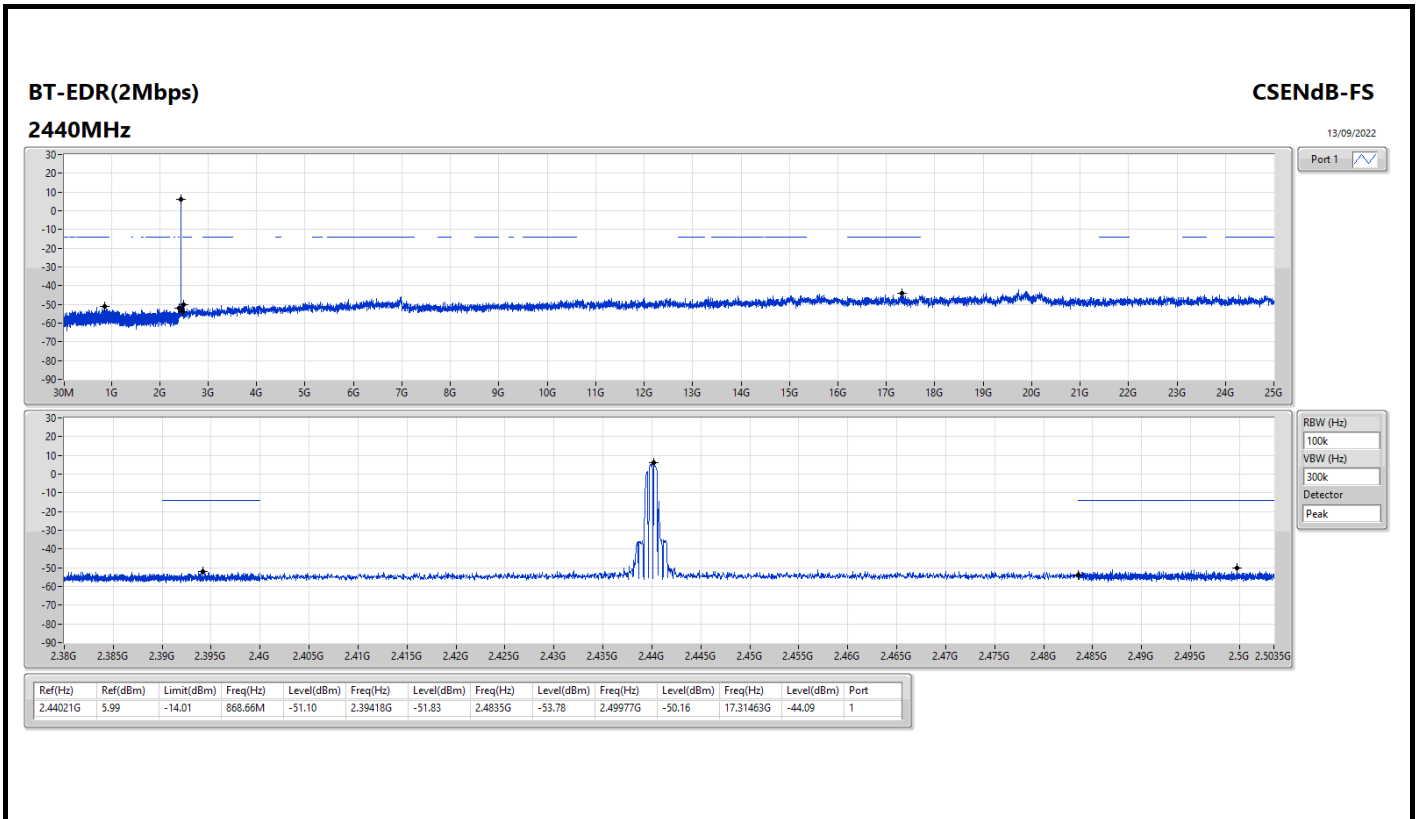
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.40213G	7.55	-12.45	632.19M	-51.78	2.3995G	-48.14	2.4G	-51.22	2.48648G	-50.77	24.85377G	-43.94	1
BT-EDR(2Mbps)	Pass	2.402G	6.05	-13.95	947.97M	-51.71	2.39904G	-48.54	2.4G	-51.46	2.49274G	-51.59	23.14123G	-44.06	1
BT-EDR(3Mbps)	Pass	2.40209G	6.51	-13.49	764.38M	-51.61	2.39955G	-47.38	2.4G	-51.20	2.50195G	-50.84	21.72114G	-44.90	1

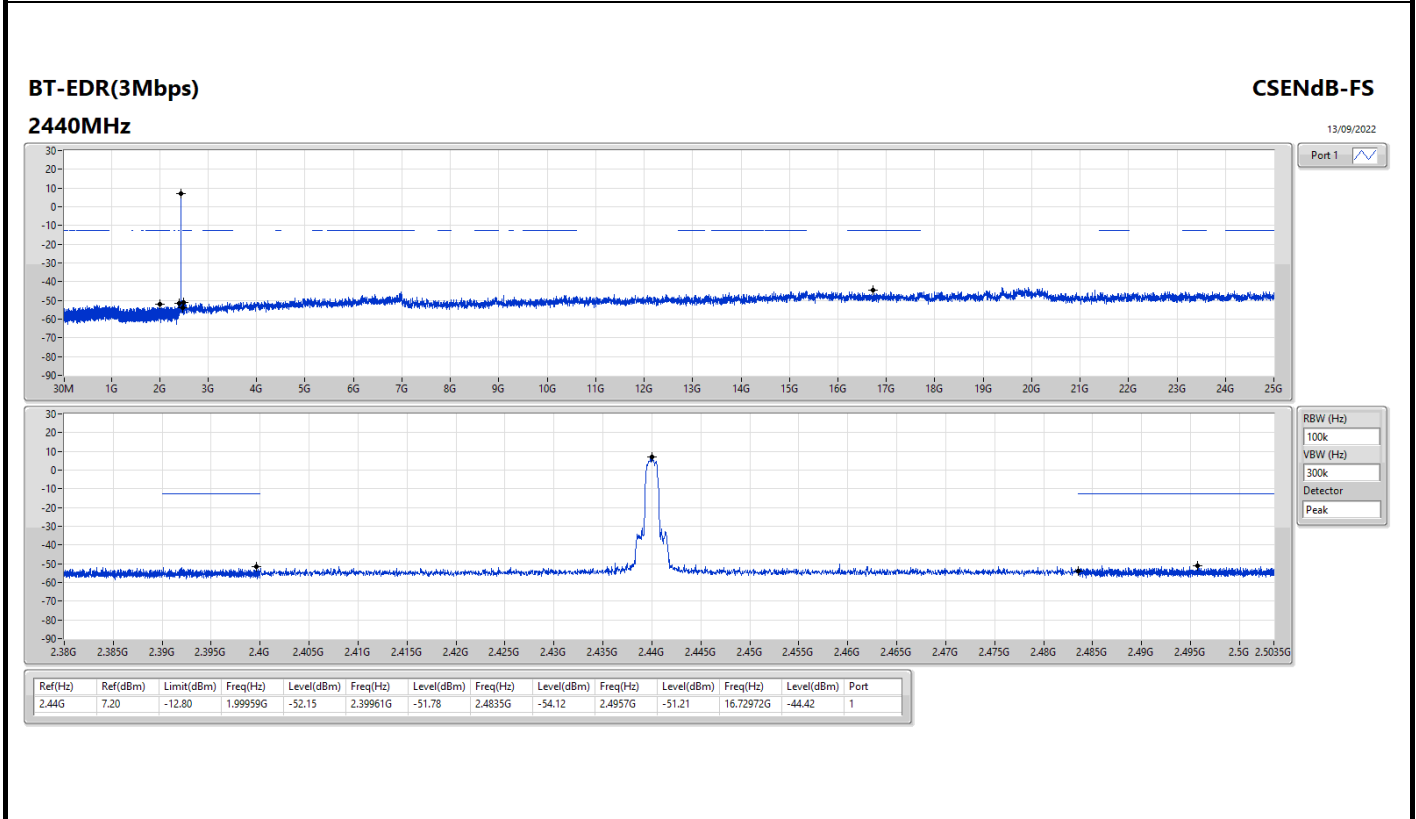
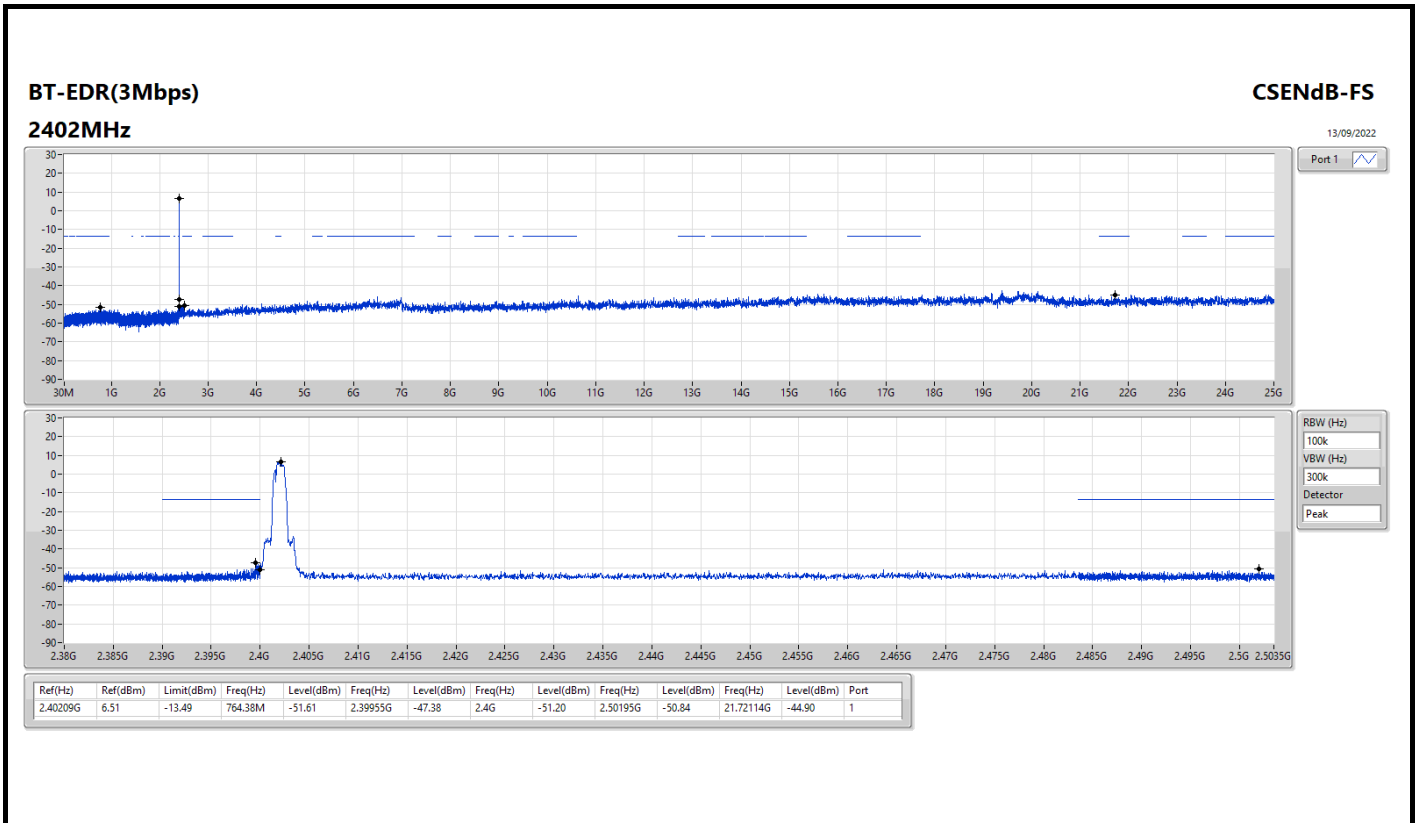
Result

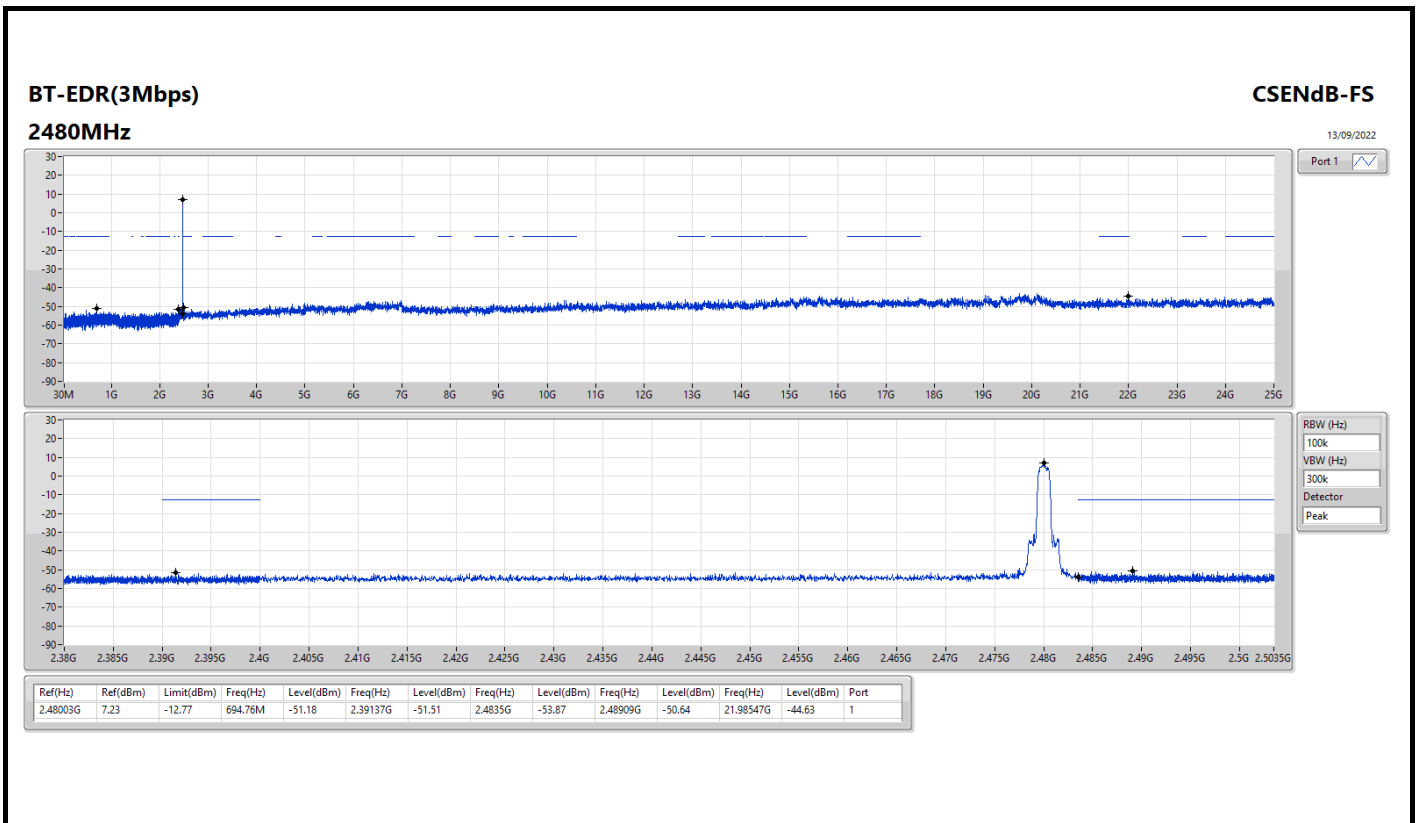
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40213G	7.55	-12.45	632.19M	-51.78	2.3995G	-48.14	2.4G	-51.22	2.48648G	-50.77	24.85377G	-43.94	1
2440MHz	Pass	2.44G	6.97	-13.03	1.87857G	-52.47	2.3976G	-51.72	2.4835G	-52.77	2.49237G	-50.71	24.89314G	-43.74	1
2480MHz	Pass	2.4802G	7.42	-12.58	869.54M	-52.63	2.39344G	-52.33	2.4G	-54.19	2.49485G	-51.19	15.00874G	-43.82	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	6.05	-13.95	947.97M	-51.71	2.39904G	-48.54	2.4G	-51.46	2.49274G	-51.59	23.14123G	-44.06	1
2440MHz	Pass	2.44021G	5.99	-14.01	868.66M	-51.10	2.39418G	-51.83	2.4835G	-53.78	2.49977G	-50.16	17.31463G	-44.09	1
2480MHz	Pass	2.48003G	6.83	-13.17	747.63M	-52.40	2.39624G	-51.78	2.4G	-54.41	2.48656G	-50.60	16.89564G	-43.60	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40209G	6.51	-13.49	764.38M	-51.61	2.39955G	-47.38	2.4G	-51.20	2.50195G	-50.84	21.72114G	-44.90	1
2440MHz	Pass	2.44G	7.20	-12.80	1.99959G	-52.15	2.39961G	-51.78	2.4835G	-54.12	2.4957G	-51.21	16.72972G	-44.42	1
2480MHz	Pass	2.48003G	7.23	-12.77	694.76M	-51.18	2.39137G	-51.51	2.4835G	-53.87	2.48909G	-50.64	21.98547G	-44.63	1









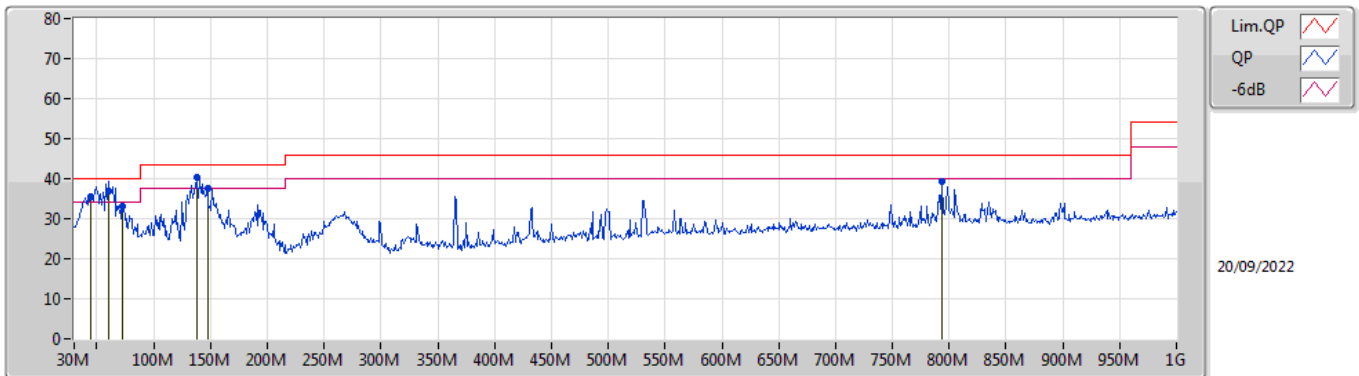




Summary

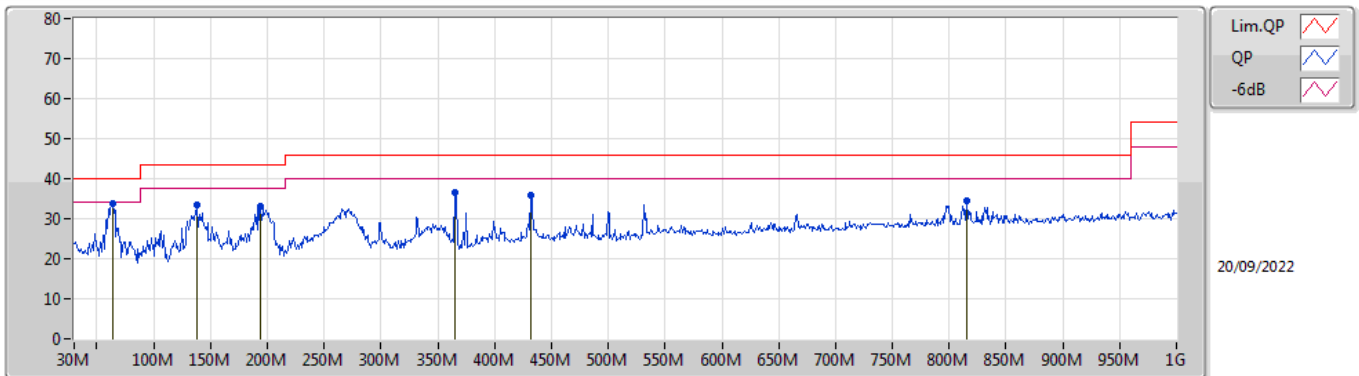
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 6	Pass	QP	60.07M	36.97	40.00	-3.03	Vertical

Mode 6



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	44.55M	35.61	40.00	-4.39	-14.61	3	Vertical	262	1.00	-	50.22	16.22	0.99	31.82
QP	60.07M	36.97	40.00	-3.03	-18.46	3	Vertical	271	1.00	"Worst"	55.43	12.26	1.20	31.92
PK	72.68M	33.21	40.00	-6.79	-18.50	3	Vertical	97	2.00	-	51.71	12.17	1.30	31.97
PK	138.64M	40.23	43.50	-3.27	-13.20	3	Vertical	121	1.00	-	53.43	17.03	1.79	32.02
PK	147.37M	37.75	43.50	-5.75	-13.77	3	Vertical	191	1.00	-	51.52	16.37	1.87	32.01
PK	793.39M	39.18	46.00	-6.82	-2.09	3	Vertical	70	1.25	-	41.27	25.56	4.87	32.52

Mode 6



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	63.95M	33.71	40.00	-6.29	-18.51	3	Horizontal	203	3.00	"Worst"	52.22	12.22	1.20	31.93
PK	138.64M	33.35	43.50	-10.15	-13.20	3	Horizontal	252	2.00	-	46.55	17.03	1.79	32.02
PK	193.93M	33.01	43.50	-10.49	-14.95	3	Horizontal	95	2.00	-	47.96	14.89	2.17	32.01
PK	364.65M	36.55	46.00	-9.45	-8.40	3	Horizontal	353	1.25	-	44.95	20.71	3.06	32.17
PK	431.58M	35.90	46.00	-10.10	-6.56	3	Horizontal	242	1.00	-	42.46	22.27	3.39	32.22
PK	815.7M	34.34	46.00	-11.66	-2.03	3	Horizontal	324	1.25	-	36.37	25.51	4.96	32.50

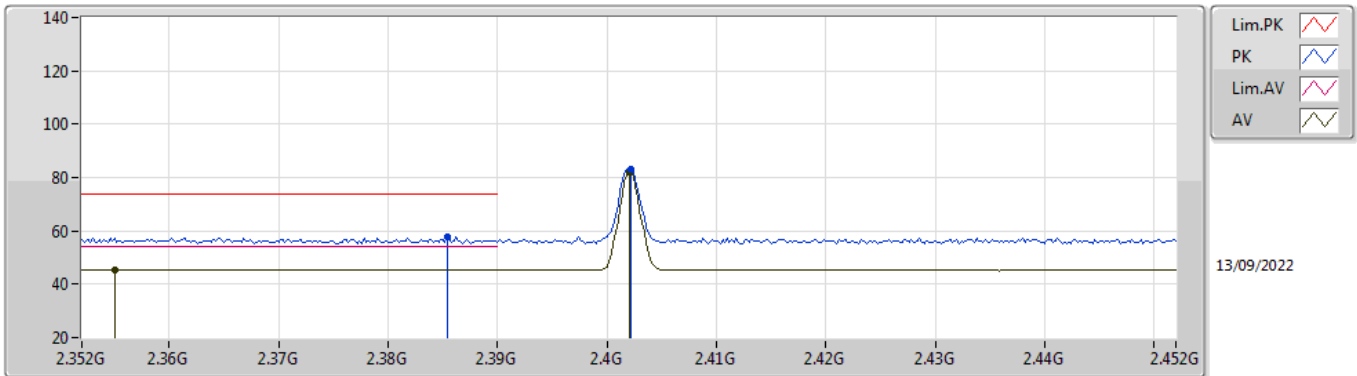


Summary

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	46.41	54.00	-7.59	3	Horizontal	4	1.96	-

BT-BR(1Mbps)

2402MHz_TX

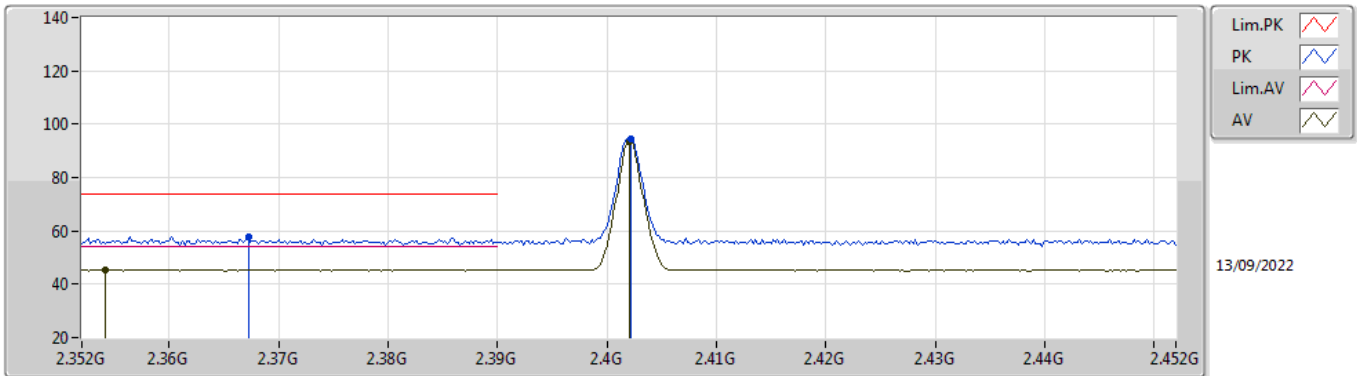


EUT_V_1TX
Setting 8
03-D-K-5

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	2.3854G	57.76	74.00	-16.24	25.13	3	Vertical	347	1.49	-	28.24	4.39	-
AV	2.355G	45.48	54.00	-8.52	13.00	3	Vertical	347	1.49	-	28.12	4.36	-
PK	2.4022G	82.90	Inf	-Inf	50.20	3	Vertical	347	1.49	-	28.30	4.40	-
AV	2.402G	81.82	Inf	-Inf	49.12	3	Vertical	347	1.49	-	28.30	4.40	-

BT-BR(1Mbps)

2402MHz_TX

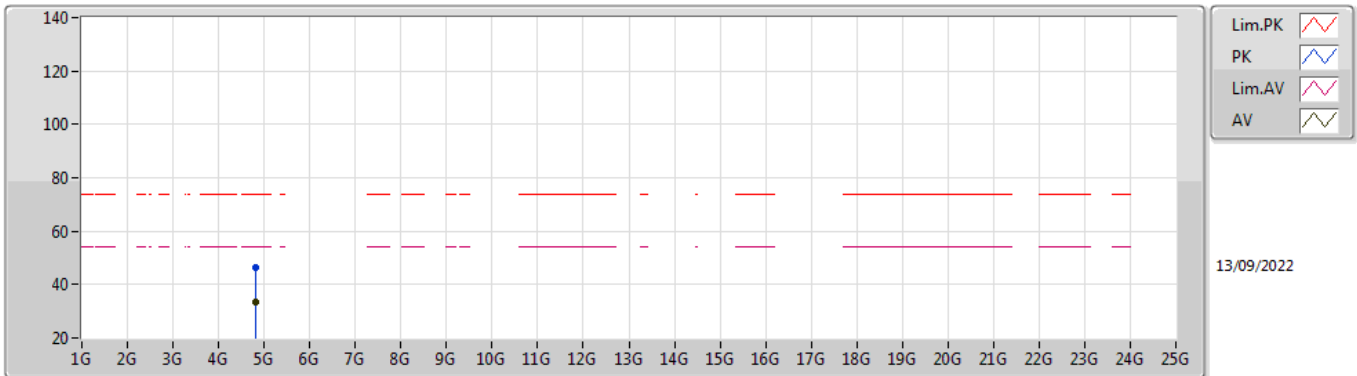


EUT_V_1TX
Setting 8
03-D-K-5

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	2.3672G	57.75	74.00	-16.25	25.21	3	Horizontal	7	2.04	-	28.17	4.37	-
AV	2.3542G	45.47	54.00	-8.53	13.00	3	Horizontal	7	2.04	-	28.12	4.35	-
PK	2.4022G	94.65	Inf	-Inf	61.95	3	Horizontal	7	2.04	-	28.30	4.40	-
AV	2.402G	93.70	Inf	-Inf	61.00	3	Horizontal	7	2.04	-	28.30	4.40	-

BT-BR(1Mbps)

2402MHz_TX

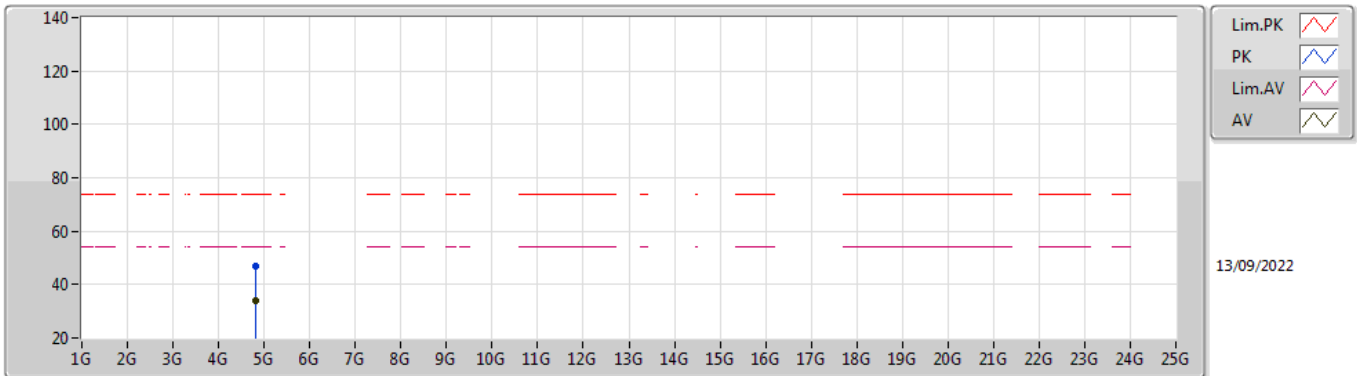


EUT Y_1TX
Setting 8
03-D-K-5

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	4.80388G	46.30	74.00	-27.70	40.88	3	Vertical	335	2.86	-	33.22	7.10	34.90
AV	4.80894G	33.57	54.00	-20.43	28.12	3	Vertical	335	2.86	-	33.25	7.10	34.90

BT-BR(1Mbps)

2402MHz_TX

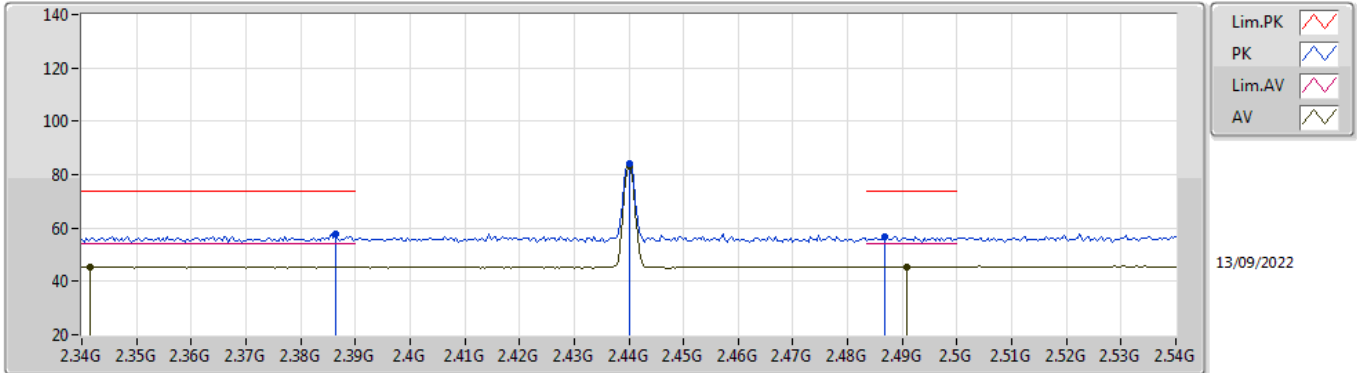


EUT Y_1TX
Setting 8
03-D-K-5

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	4.80008G	46.76	74.00	-27.24	41.36	3	Horizontal	50	2.84	-	33.20	7.10	34.90
AV	4.8059G	33.77	54.00	-20.23	28.33	3	Horizontal	50	2.84	-	33.24	7.10	34.90

BT-BR(1Mbps)

2440MHz_TX

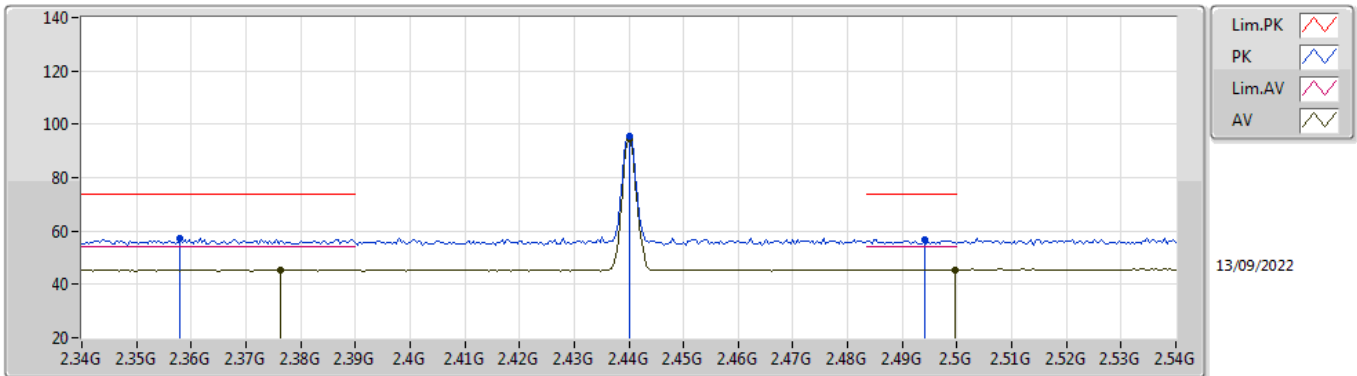


EUT_V_1TX
Setting 8
03-D-K-5

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	2.3864G	57.99	74.00	-16.01	25.35	3	Vertical	338	2.08	-	28.25	4.39	-
AV	2.3416G	45.60	54.00	-8.40	13.19	3	Vertical	338	2.08	-	28.07	4.34	-
PK	2.44G	83.97	Inf	-Inf	51.25	3	Vertical	338	2.08	-	28.30	4.42	-
AV	2.44G	82.93	Inf	-Inf	50.21	3	Vertical	338	2.08	-	28.30	4.42	-
PK	2.4868G	56.94	74.00	-17.06	24.05	3	Vertical	338	2.08	-	28.45	4.44	-
AV	2.4908G	45.57	54.00	-8.43	12.66	3	Vertical	338	2.08	-	28.46	4.45	-

BT-BR(1Mbps)

2440MHz_TX

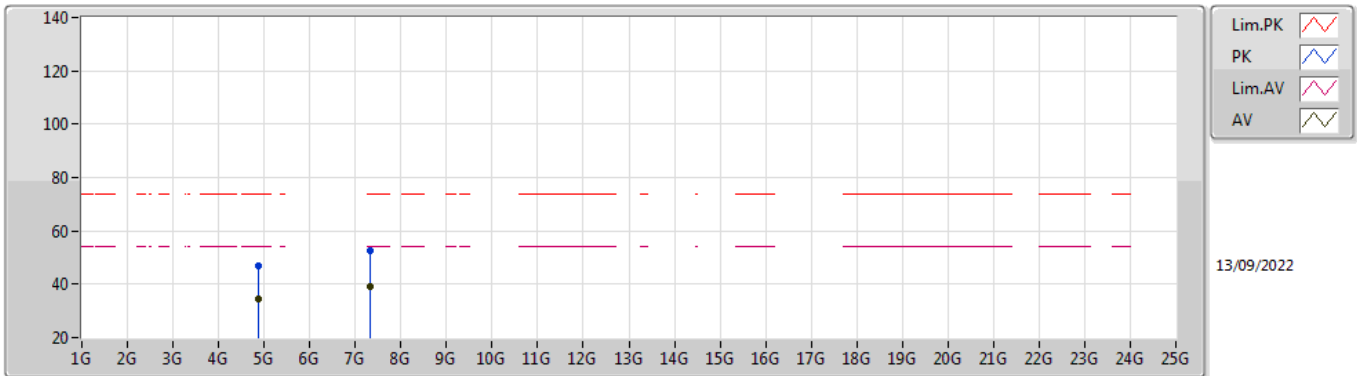


EUT_V_1TX
Setting 8
03-D-K-5

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	2.358G	57.05	74.00	-16.95	24.56	3	Horizontal	4	2.02	-	28.13	4.36	-
AV	2.3764G	45.46	54.00	-8.54	12.87	3	Horizontal	4	2.02	-	28.21	4.38	-
PK	2.44G	95.28	Inf	-Inf	62.56	3	Horizontal	4	2.02	-	28.30	4.42	-
AV	2.44G	94.36	Inf	-Inf	61.64	3	Horizontal	4	2.02	-	28.30	4.42	-
PK	2.494G	56.57	74.00	-17.43	23.64	3	Horizontal	4	2.02	-	28.48	4.45	-
AV	2.4996G	45.58	54.00	-8.42	12.63	3	Horizontal	4	2.02	-	28.50	4.45	-

BT-BR(1Mbps)

2440MHz_TX

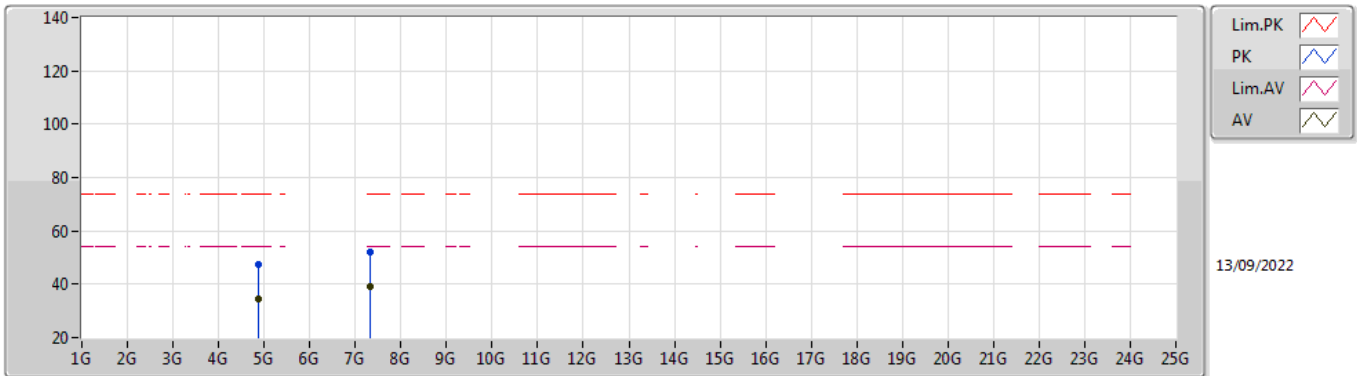


EUT Y_1TX
Setting 8
03-D-K-5

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	4.8762G	47.14	74.00	-26.86	41.33	3	Vertical	19	2.20	-	33.60	7.10	34.89
AV	4.87692G	34.44	54.00	-19.56	28.62	3	Vertical	19	2.20	-	33.61	7.10	34.89
PK	7.31528G	52.40	74.00	-21.60	42.19	3	Vertical	12	2.18	-	36.93	8.43	35.15
AV	7.32072G	39.15	54.00	-14.85	28.92	3	Vertical	12	2.18	-	36.94	8.44	35.15

BT-BR(1Mbps)

2440MHz_TX

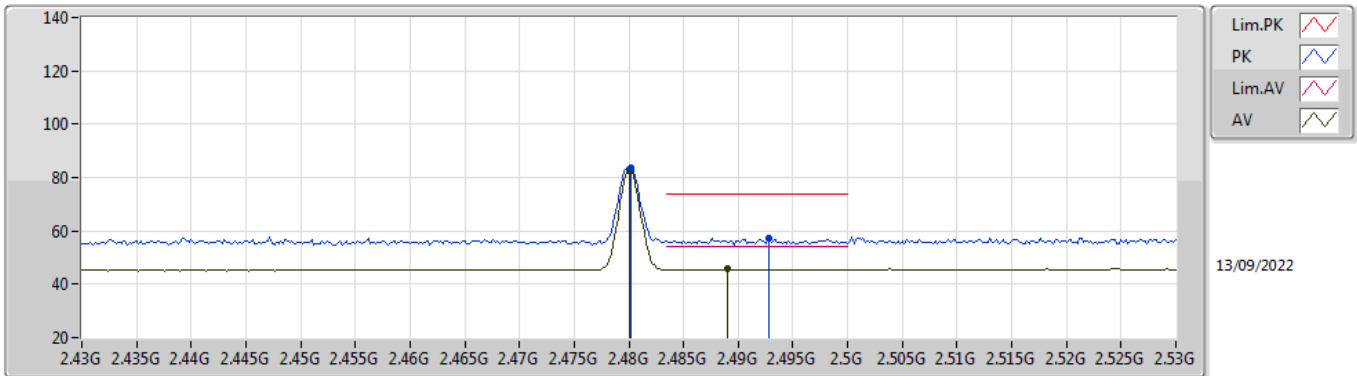


EUT Y_1TX
Setting 8
03-D-K-5

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	4.8782G	47.16	74.00	-26.84	41.34	3	Horizontal	282	2.69	-	33.61	7.10	34.89
AV	4.8755G	34.29	54.00	-19.71	28.48	3	Horizontal	282	2.69	-	33.60	7.10	34.89
PK	7.31882G	52.30	74.00	-21.70	42.07	3	Horizontal	294	2.34	-	36.94	8.44	35.15
AV	7.32012G	39.30	54.00	-14.70	29.07	3	Horizontal	294	2.34	-	36.94	8.44	35.15

BT-BR(1Mbps)

2480MHz_TX

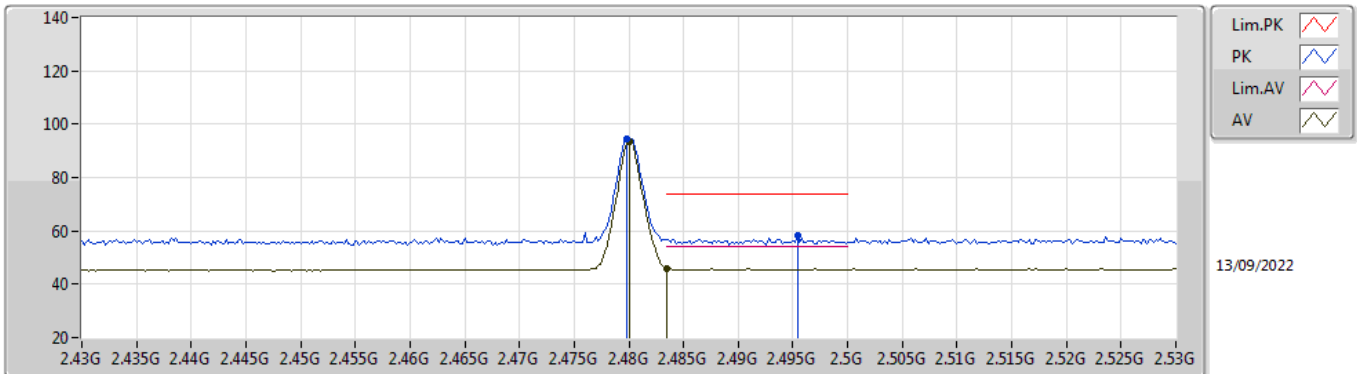


EUT_V_1TX
Setting 8
03-D-K-5

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	2.4802G	83.71	Inf	-Inf	50.85	3	Vertical	348	1.78	-	28.42	4.44	-
AV	2.48G	82.67	Inf	-Inf	49.81	3	Vertical	348	1.78	-	28.42	4.44	-
PK	2.4928G	57.11	74.00	-16.89	24.19	3	Vertical	348	1.78	-	28.47	4.45	-
AV	2.489G	45.61	54.00	-8.39	12.71	3	Vertical	348	1.78	-	28.46	4.44	-

BT-BR(1Mbps)

2480MHz_TX

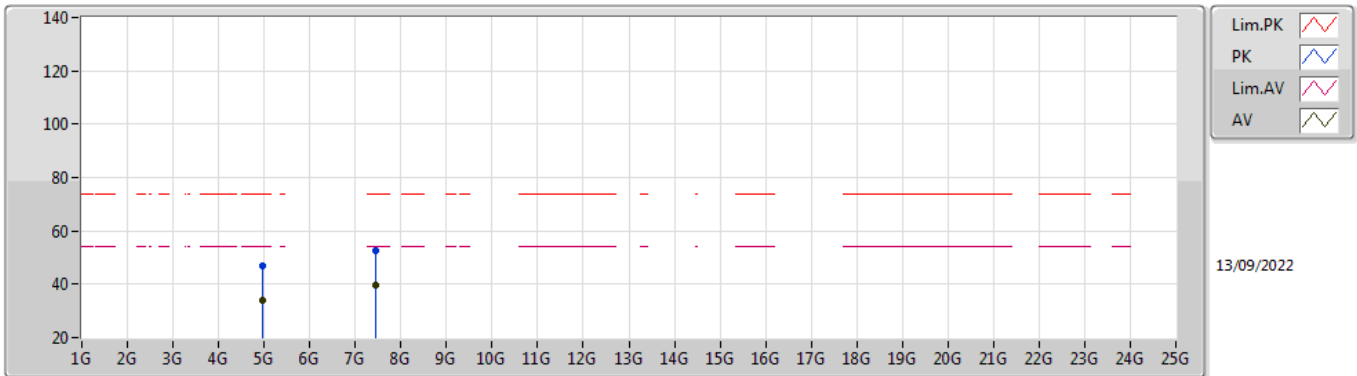


EUT Y_1TX
Setting 8
03-D-K-5

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	2.4798G	94.57	Inf	-Inf	61.71	3	Horizontal	3	1.95	-	28.42	4.44	-
AV	2.48G	93.65	Inf	-Inf	60.79	3	Horizontal	3	1.95	-	28.42	4.44	-
PK	2.4954G	58.23	74.00	-15.77	25.30	3	Horizontal	3	1.95	-	28.48	4.45	-
AV	2.4835G	46.10	54.00	-7.90	13.23	3	Horizontal	3	1.95	-	28.43	4.44	-

BT-BR(1Mbps)

2480MHz_TX

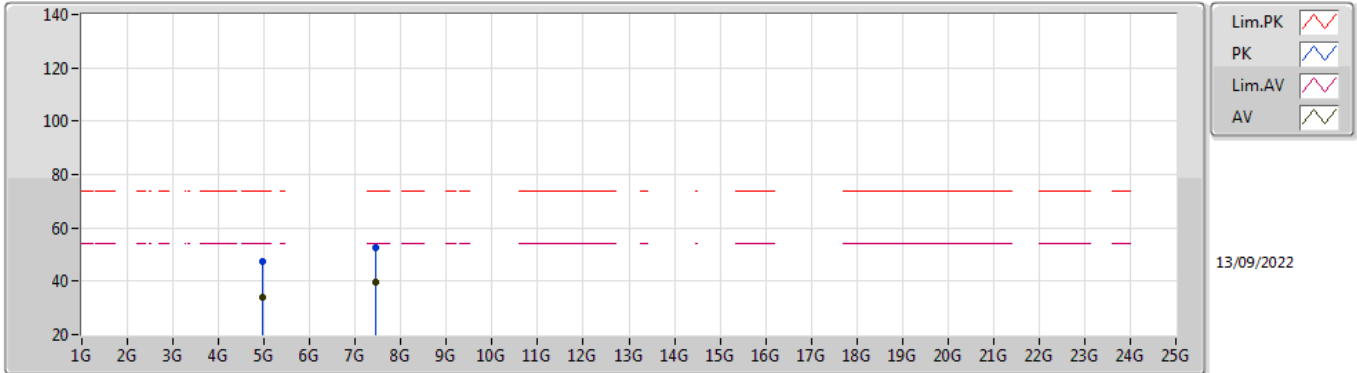


EUT Y_1TX
Setting 8
03-D-K-5

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	4.96148G	46.66	74.00	-27.34	40.67	3	Vertical	254	1.60	-	33.78	7.10	34.89
AV	4.96244G	33.98	54.00	-20.02	27.99	3	Vertical	254	1.60	-	33.78	7.10	34.89
PK	7.43682G	52.63	74.00	-21.37	42.30	3	Vertical	352	2.02	-	36.93	8.60	35.20
AV	7.43638G	39.70	54.00	-14.30	29.37	3	Vertical	352	2.02	-	36.93	8.60	35.20

BT-BR(1Mbps)

2480MHz_TX

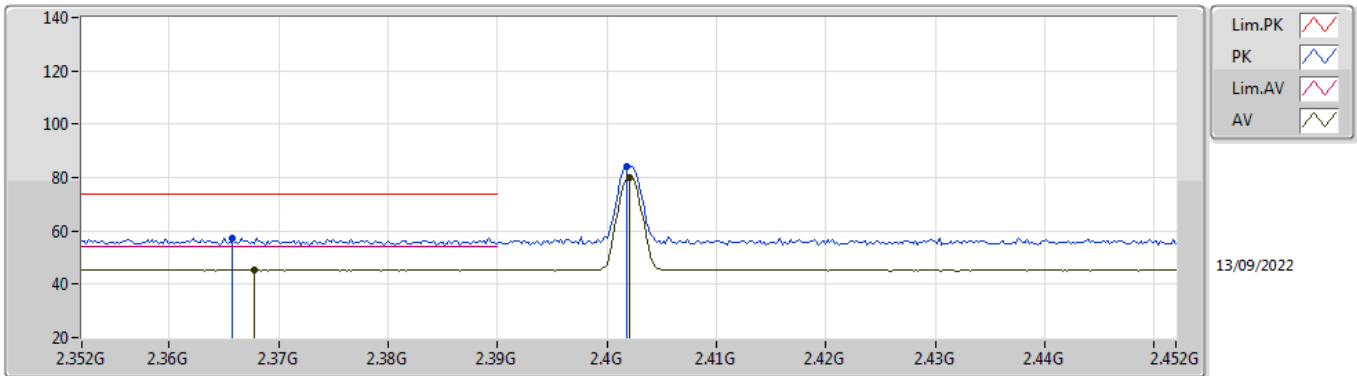


EUT Y_1TX
Setting 8
03-D-K-5

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	4.96392G	47.16	74.00	-26.84	41.18	3	Horizontal	254	1.96	-	33.77	7.10	34.89
AV	4.96044G	34.03	54.00	-19.97	28.04	3	Horizontal	254	1.96	-	33.78	7.10	34.89
PK	7.44394G	52.65	74.00	-21.35	42.34	3	Horizontal	95	1.20	-	36.91	8.60	35.20
AV	7.4363G	39.48	54.00	-14.52	29.15	3	Horizontal	95	1.20	-	36.93	8.60	35.20

BT-EDR(3Mbps)

2402MHz_TX

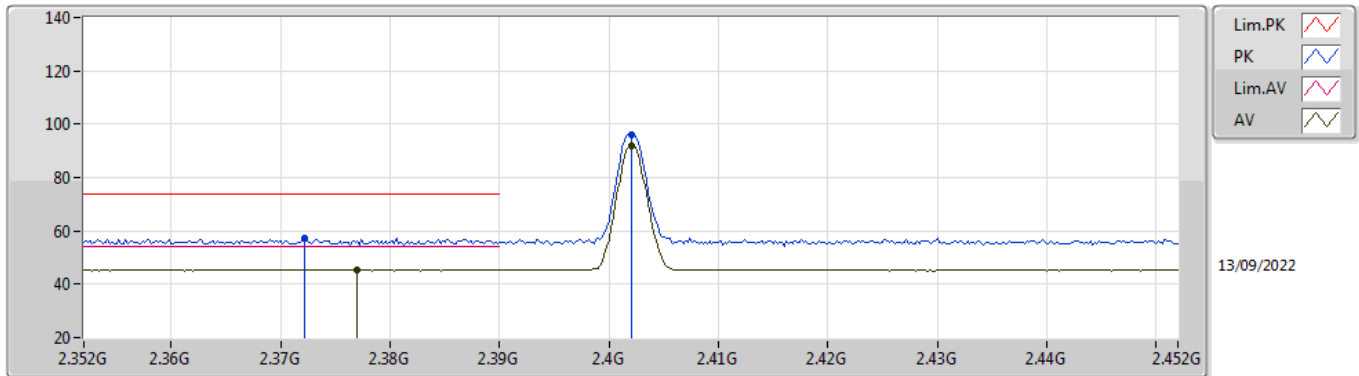


EUT_V_1TX
Setting 8
03-D-K-5

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	2.3658G	57.34	74.00	-16.66	24.81	3	Vertical	351	1.49	-	28.16	4.37	-
AV	2.3678G	45.38	54.00	-8.62	12.84	3	Vertical	351	1.49	-	28.17	4.37	-
PK	2.4018G	84.22	Inf	-Inf	51.52	3	Vertical	351	1.49	-	28.30	4.40	-
AV	2.402G	79.81	Inf	-Inf	47.11	3	Vertical	351	1.49	-	28.30	4.40	-

BT-EDR(3Mbps)

2402MHz_TX

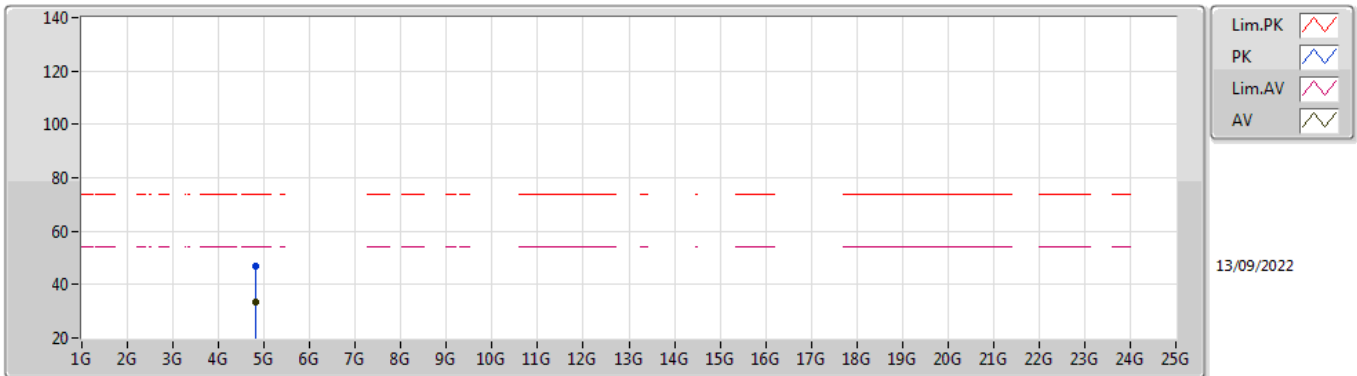


EUT_V_1TX
Setting 8
03-D-K-5

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	2.3722G	57.23	74.00	-16.77	24.67	3	Horizontal	4	2.03	-	28.19	4.37	-
AV	2.377G	45.40	54.00	-8.60	12.81	3	Horizontal	4	2.03	-	28.21	4.38	-
PK	2.402G	96.08	Inf	-Inf	63.38	3	Horizontal	4	2.03	-	28.30	4.40	-
AV	2.402G	91.79	Inf	-Inf	59.09	3	Horizontal	4	2.03	-	28.30	4.40	-

BT-EDR(3Mbps)

2402MHz_TX

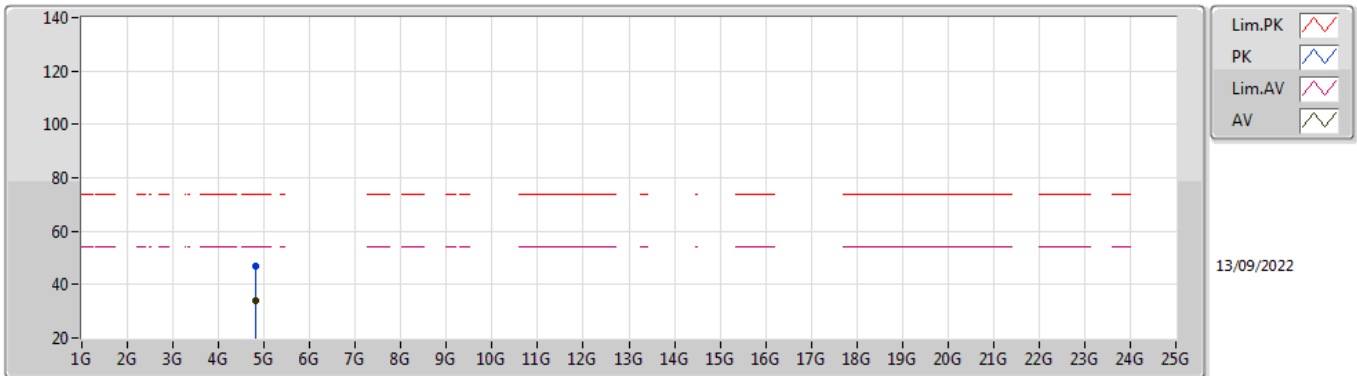


EUT Y_1TX
Setting 8
03-D-K-5

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	4.80484G	46.67	74.00	-27.33	41.24	3	Vertical	135	1.69	-	33.23	7.10	34.90
AV	4.80538G	33.56	54.00	-20.44	28.13	3	Vertical	135	1.69	-	33.23	7.10	34.90

BT-EDR(3Mbps)

2402MHz_TX

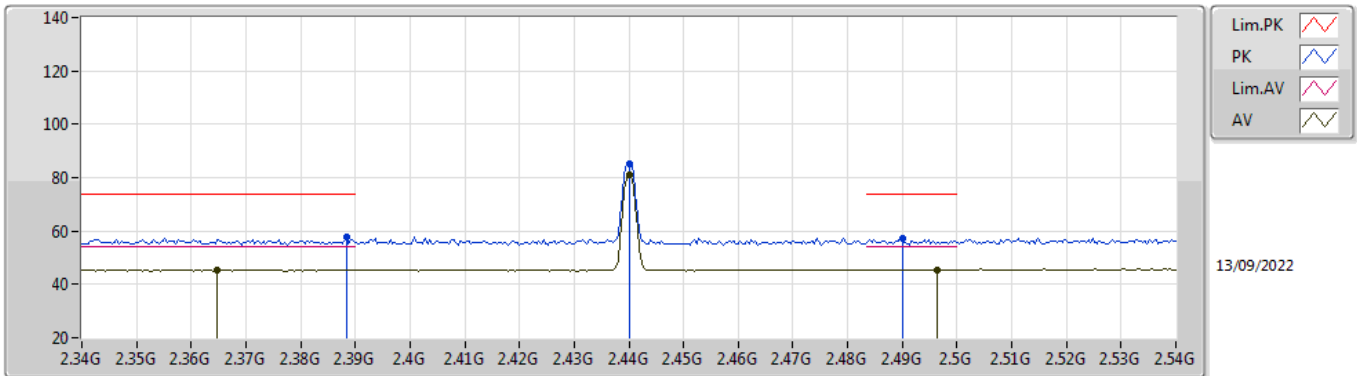


EUT Y_1TX
Setting 8
03-D-K-5

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	4.80464G	47.08	74.00	-26.92	41.65	3	Horizontal	162	1.25	-	33.23	7.10	34.90
AV	4.80716G	33.77	54.00	-20.23	28.33	3	Horizontal	162	1.25	-	33.24	7.10	34.90

BT-EDR(3Mbps)

2440MHz_TX

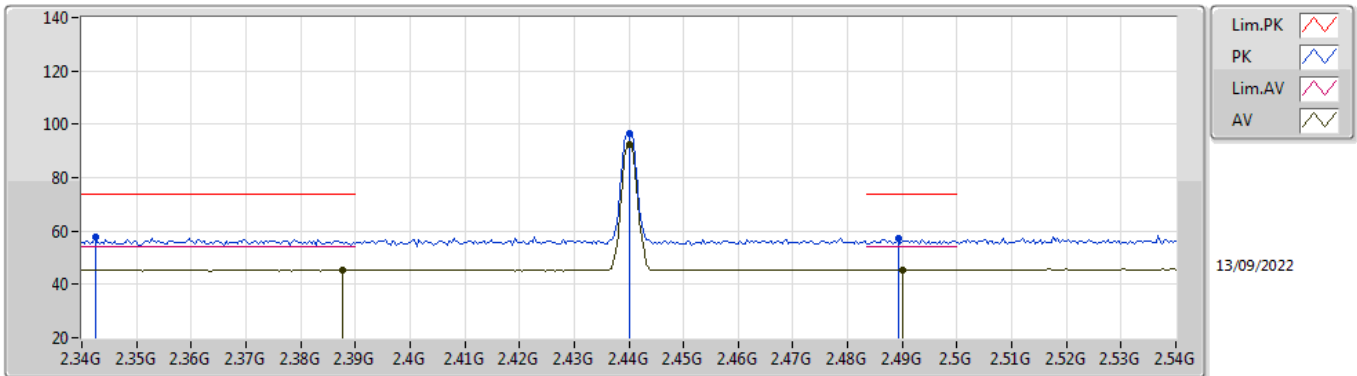


EUT_V_1TX
Setting 8
03-D-K-5

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	2.3884G	57.66	74.00	-16.34	25.02	3	Vertical	341	2.08	-	28.25	4.39	-
AV	2.3648G	45.40	54.00	-8.60	12.88	3	Vertical	341	2.08	-	28.16	4.36	-
PK	2.44G	85.15	Inf	-Inf	52.43	3	Vertical	341	2.08	-	28.30	4.42	-
AV	2.44G	80.83	Inf	-Inf	48.11	3	Vertical	341	2.08	-	28.30	4.42	-
PK	2.49G	57.22	74.00	-16.78	24.31	3	Vertical	341	2.08	-	28.46	4.45	-
AV	2.4964G	45.57	54.00	-8.43	12.63	3	Vertical	341	2.08	-	28.49	4.45	-

BT-EDR(3Mbps)

2440MHz_TX

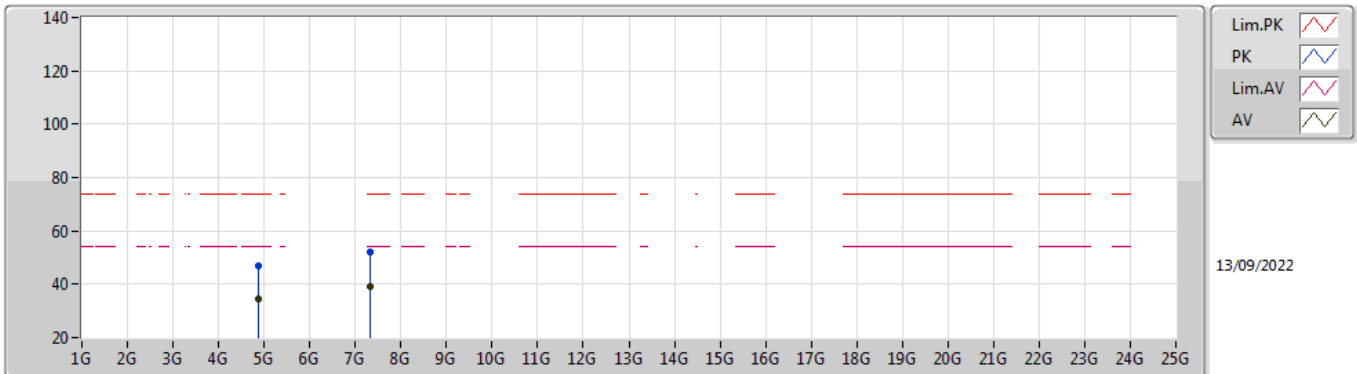


EUT_V_1TX
Setting 8
03-D-K-5

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	2.3424G	57.64	74.00	-16.36	25.23	3	Horizontal	5	2.01	-	28.07	4.34	-
AV	2.3876G	45.54	54.00	-8.46	12.90	3	Horizontal	5	2.01	-	28.25	4.39	-
PK	2.44G	96.60	Inf	-Inf	63.88	3	Horizontal	5	2.01	-	28.30	4.42	-
AV	2.44G	92.40	Inf	-Inf	59.68	3	Horizontal	5	2.01	-	28.30	4.42	-
PK	2.4892G	57.09	74.00	-16.91	24.19	3	Horizontal	5	2.01	-	28.46	4.44	-
AV	2.49G	45.53	54.00	-8.47	12.62	3	Horizontal	5	2.01	-	28.46	4.45	-

BT-EDR(3Mbps)

2440MHz_TX

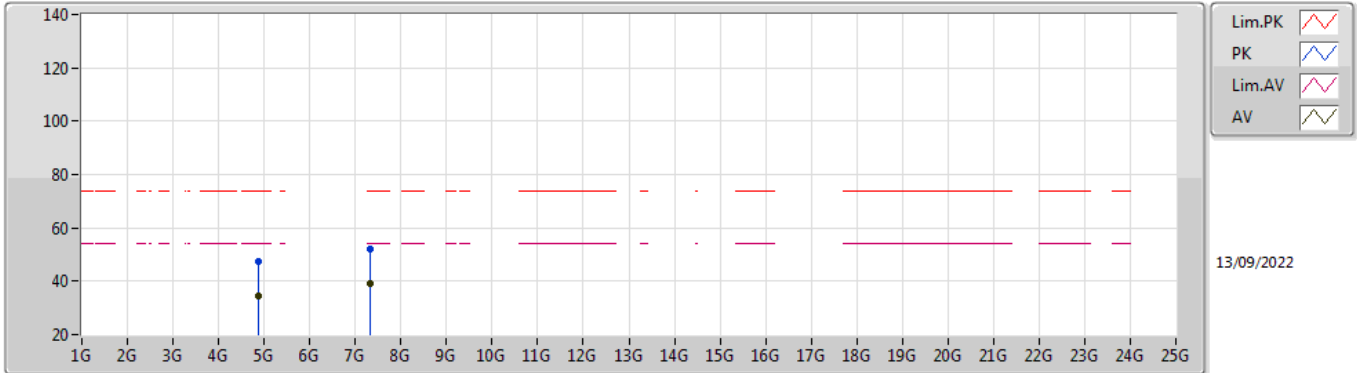


EUT Y_1TX
Setting 8
03-D-K-5

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	4.87806G	46.88	74.00	-27.12	41.06	3	Vertical	228	1.35	-	33.61	7.10	34.89
AV	4.87568G	34.39	54.00	-19.61	28.58	3	Vertical	228	1.35	-	33.60	7.10	34.89
PK	7.31698G	52.24	74.00	-21.76	42.03	3	Vertical	254	2.85	-	36.93	8.43	35.15
AV	7.31776G	39.25	54.00	-14.75	29.02	3	Vertical	254	2.85	-	36.94	8.44	35.15

BT-EDR(3Mbps)

2440MHz_TX

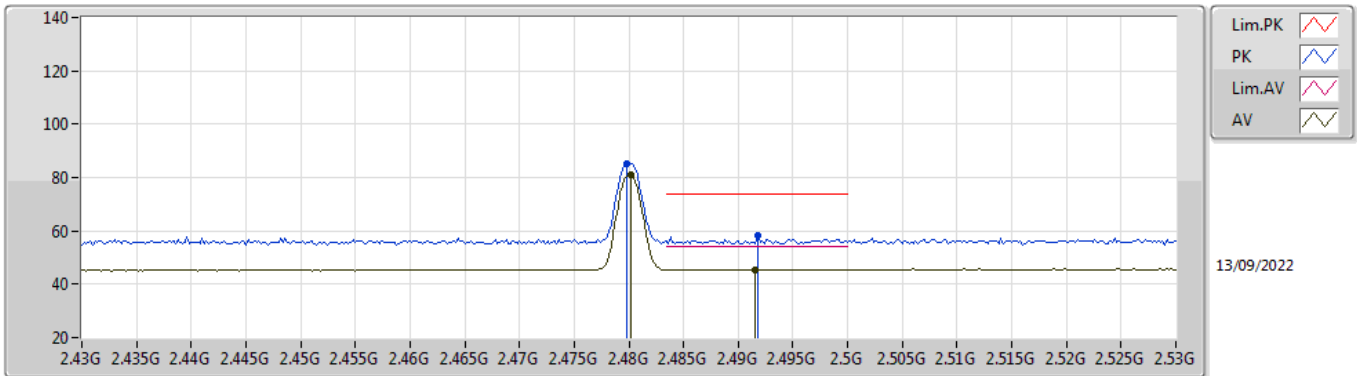


EUT Y_1TX
Setting 8
03-D-K-5

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	4.87554G	47.43	74.00	-26.57	41.62	3	Horizontal	212	2.30	-	33.60	7.10	34.89
AV	4.87556G	34.27	54.00	-19.73	28.46	3	Horizontal	212	2.30	-	33.60	7.10	34.89
PK	7.31918G	52.19	74.00	-21.81	41.96	3	Horizontal	34	1.61	-	36.94	8.44	35.15
AV	7.31718G	39.19	54.00	-14.81	28.98	3	Horizontal	34	1.61	-	36.93	8.43	35.15

BT-EDR(3Mbps)

2480MHz_TX

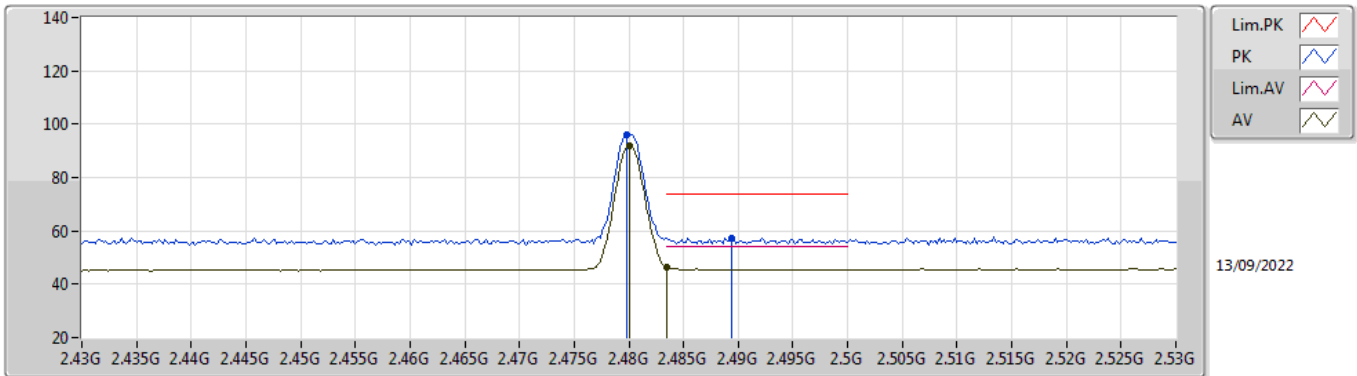


EUT Y_1TX
Setting 8
03-D-K-5

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	2.4798G	85.26	Inf	-Inf	52.40	3	Vertical	344	1.78	-	28.42	4.44	-
AV	2.4802G	80.87	Inf	-Inf	48.01	3	Vertical	344	1.78	-	28.42	4.44	-
PK	2.4918G	58.21	74.00	-15.79	25.29	3	Vertical	344	1.78	-	28.47	4.45	-
AV	2.4916G	45.58	54.00	-8.42	12.66	3	Vertical	344	1.78	-	28.47	4.45	-

BT-EDR(3Mbps)

2480MHz_TX

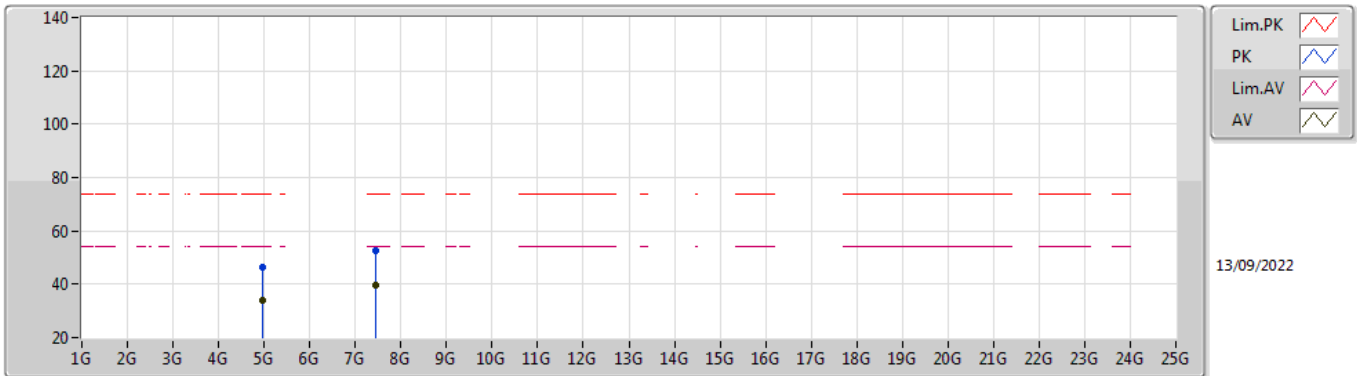


EUT_V_1TX
Setting 8
03-D-K-5

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	2.4798G	95.99	Inf	-Inf	63.13	3	Horizontal	4	1.96	-	28.42	4.44	-
AV	2.48G	91.68	Inf	-Inf	58.82	3	Horizontal	4	1.96	-	28.42	4.44	-
PK	2.4894G	57.40	74.00	-16.60	24.50	3	Horizontal	4	1.96	-	28.46	4.44	-
AV	2.4835G	46.41	54.00	-7.59	13.54	3	Horizontal	4	1.96	-	28.43	4.44	-

BT-EDR(3Mbps)

2480MHz_TX

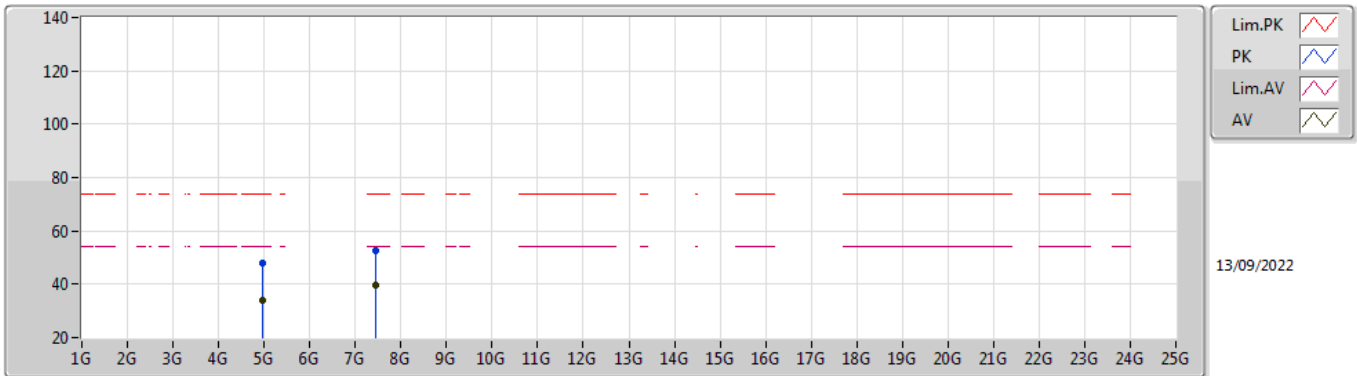


EUT Y_1TX
Setting 8
03-D-K-5

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	4.96288G	46.55	74.00	-27.45	40.57	3	Vertical	100	2.93	-	33.77	7.10	34.89
AV	4.95804G	34.00	54.00	-20.00	28.01	3	Vertical	100	2.93	-	33.78	7.10	34.89
PK	7.44078G	52.76	74.00	-21.24	42.44	3	Vertical	169	1.65	-	36.92	8.60	35.20
AV	7.4439G	39.56	54.00	-14.44	29.25	3	Vertical	169	1.65	-	36.91	8.60	35.20

BT-EDR(3Mbps)

2480MHz_TX



EUT Y_1TX
Setting 8
03-D-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	4.96304G	47.69	74.00	-26.31	41.71	3	Horizontal	85	2.03	-	33.77	7.10	34.89
AV	4.95568G	33.97	54.00	-20.03	27.97	3	Horizontal	85	2.03	-	33.79	7.10	34.89
PK	7.44308G	52.58	74.00	-21.42	42.27	3	Horizontal	135	1.72	-	36.91	8.60	35.20
AV	7.44314G	39.57	54.00	-14.43	29.26	3	Horizontal	135	1.72	-	36.91	8.60	35.20

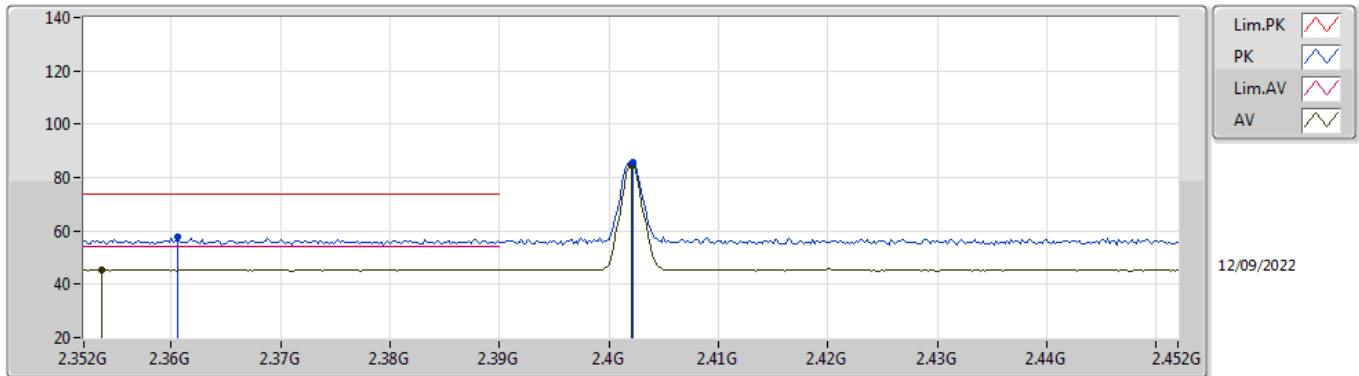


Summary

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	46.09	54.00	-7.91	3	Horizontal	186	2.97	-

BT-BR(1Mbps)

2402MHz_TX

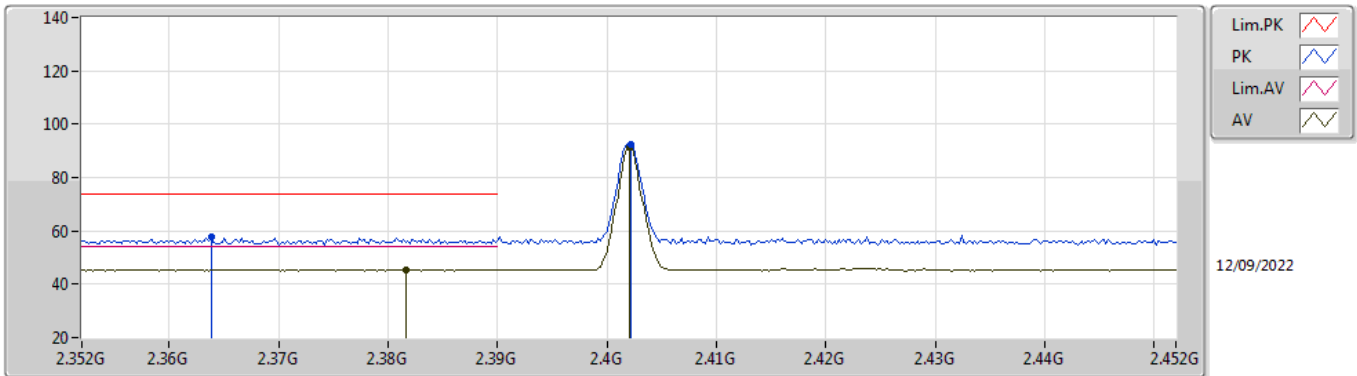


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.3606G	57.53	74.00	-16.47	25.03	3	Vertical	251	2.57	-	28.14	4.36	-
AV	2.3536G	45.47	54.00	-8.53	13.01	3	Vertical	251	2.57	-	28.11	4.35	-
PK	2.4022G	85.86	Inf	-Inf	53.16	3	Vertical	251	2.57	-	28.30	4.40	-
AV	2.402G	84.72	Inf	-Inf	52.02	3	Vertical	251	2.57	-	28.30	4.40	-

BT-BR(1Mbps)

2402MHz_TX

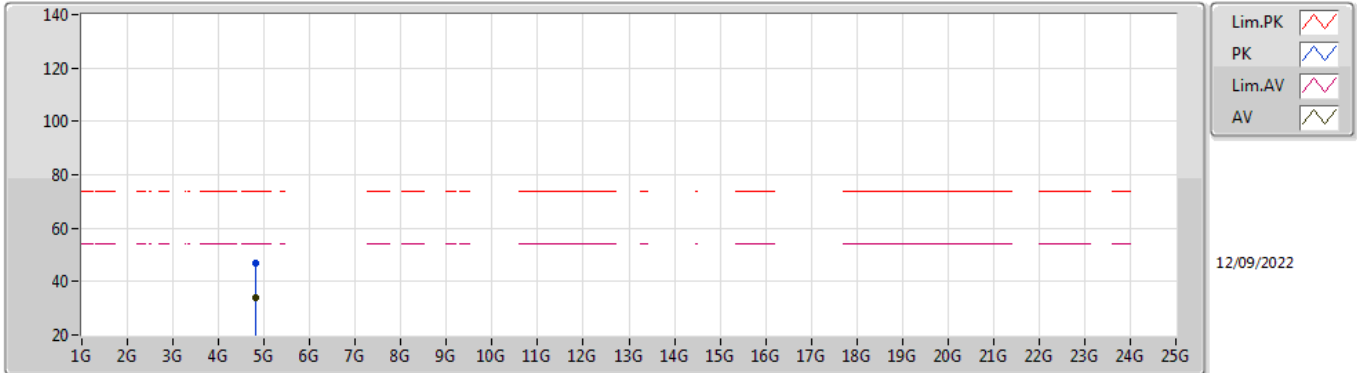


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.3638G	57.81	74.00	-16.19	25.29	3	Horizontal	190	2.84	-	28.16	4.36	-
AV	2.3816G	45.50	54.00	-8.50	12.89	3	Horizontal	190	2.84	-	28.23	4.38	-
PK	2.4022G	92.38	Inf	-Inf	59.68	3	Horizontal	190	2.84	-	28.30	4.40	-
AV	2.402G	91.34	Inf	-Inf	58.64	3	Horizontal	190	2.84	-	28.30	4.40	-

BT-BR(1Mbps)

2402MHz_TX

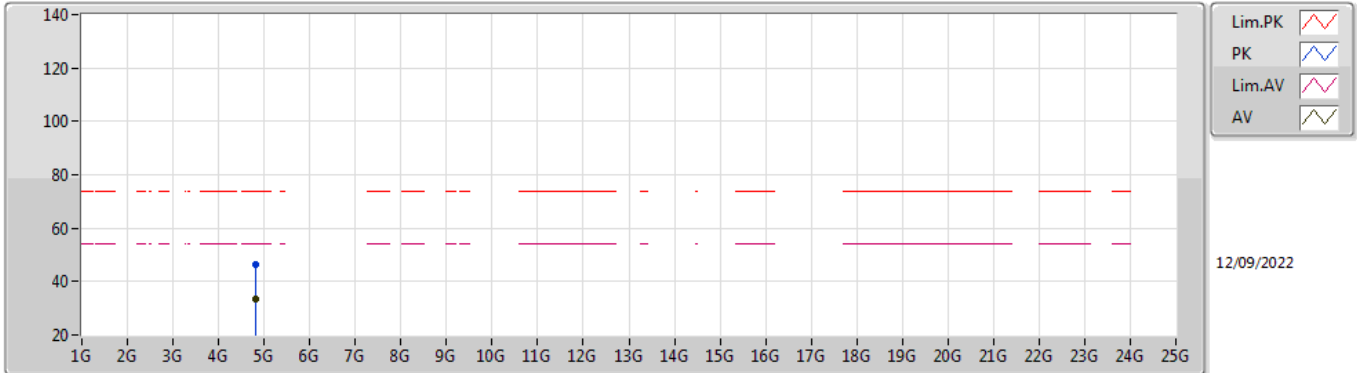


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.80608G	46.96	74.00	-27.04	41.52	3	Vertical	331	1.59	-	33.24	7.10	34.90
AV	4.81104G	33.80	54.00	-20.20	28.33	3	Vertical	331	1.59	-	33.27	7.10	34.90

BT-BR(1Mbps)

2402MHz_TX

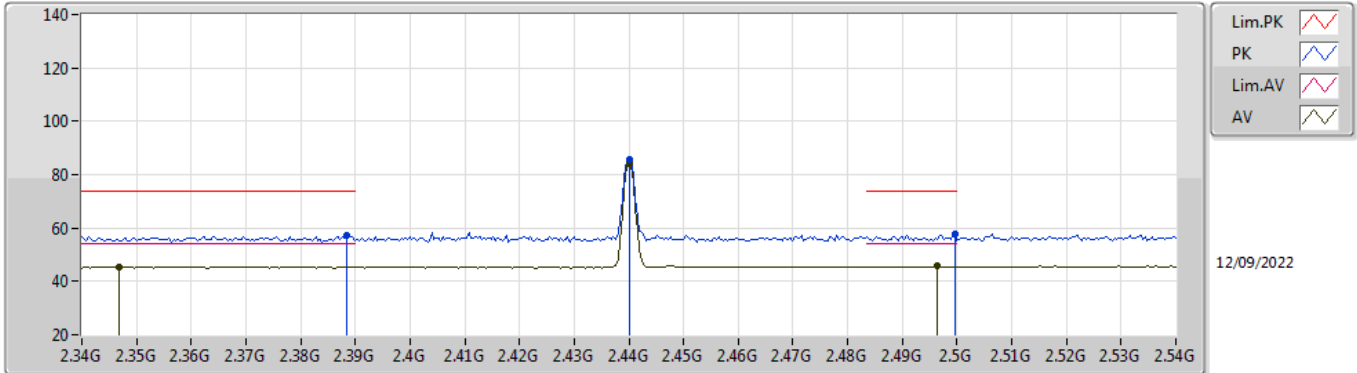


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.81092G	46.62	74.00	-27.38	41.15	3	Horizontal	240	1.99	-	33.27	7.10	34.90
AV	4.80632G	33.63	54.00	-20.37	28.19	3	Horizontal	240	1.99	-	33.24	7.10	34.90

BT-BR(1Mbps)

2440MHz_TX

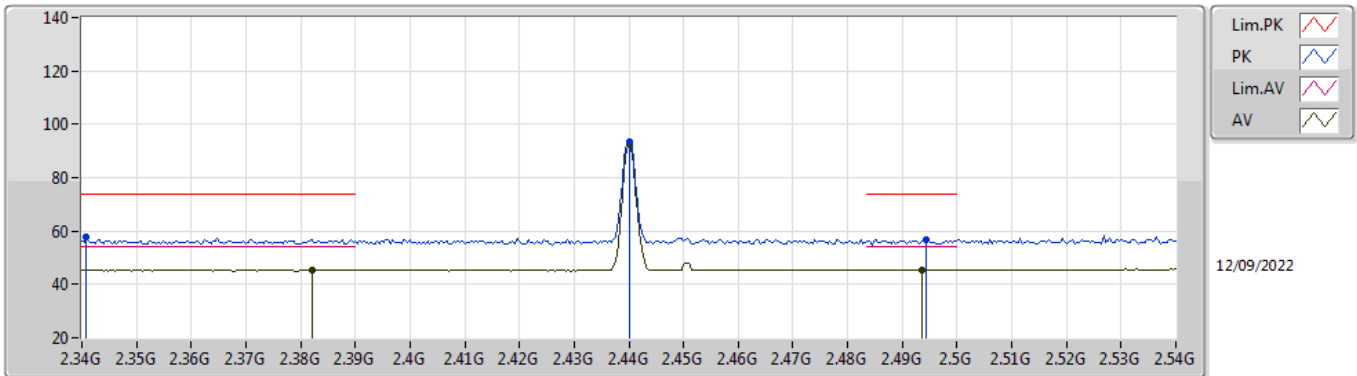


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.3884G	57.00	74.00	-17.00	24.36	3	Vertical	258	2.54	-	28.25	4.39	-
AV	2.3468G	45.42	54.00	-8.58	12.98	3	Vertical	258	2.54	-	28.09	4.35	-
PK	2.44G	85.48	Inf	-Inf	52.76	3	Vertical	258	2.54	-	28.30	4.42	-
AV	2.44G	84.38	Inf	-Inf	51.66	3	Vertical	258	2.54	-	28.30	4.42	-
PK	2.4996G	57.54	74.00	-16.46	24.59	3	Vertical	258	2.54	-	28.50	4.45	-
AV	2.4964G	45.65	54.00	-8.35	12.71	3	Vertical	258	2.54	-	28.49	4.45	-

BT-BR(1Mbps)

2440MHz_TX

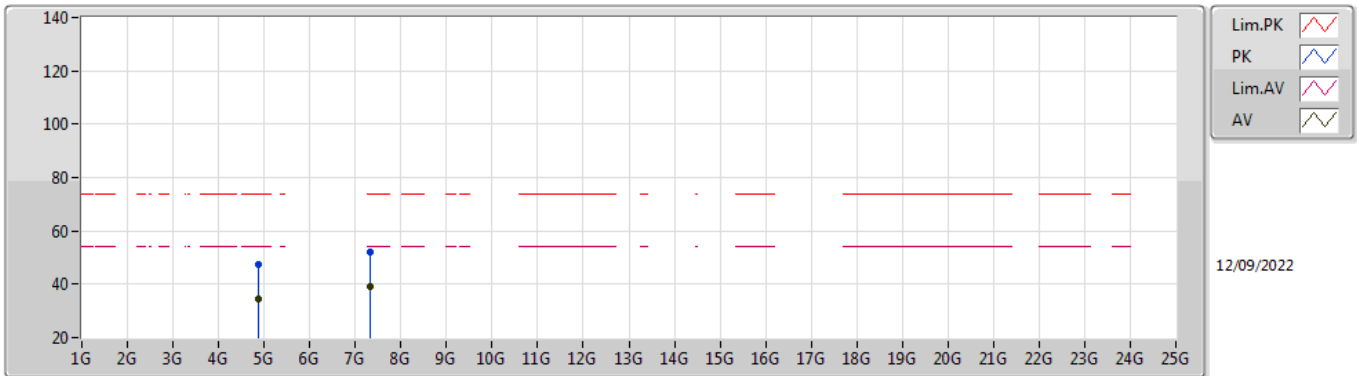


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.3408G	57.59	74.00	-16.41	25.19	3	Horizontal	191	2.74	-	28.06	4.34	-
AV	2.382G	45.41	54.00	-8.59	12.80	3	Horizontal	191	2.74	-	28.23	4.38	-
PK	2.44G	93.33	Inf	-Inf	60.61	3	Horizontal	191	2.74	-	28.30	4.42	-
AV	2.44G	92.33	Inf	-Inf	59.61	3	Horizontal	191	2.74	-	28.30	4.42	-
PK	2.4944G	56.76	74.00	-17.24	23.83	3	Horizontal	191	2.74	-	28.48	4.45	-
AV	2.4936G	45.59	54.00	-8.41	12.67	3	Horizontal	191	2.74	-	28.47	4.45	-

BT-BR(1Mbps)

2440MHz_TX

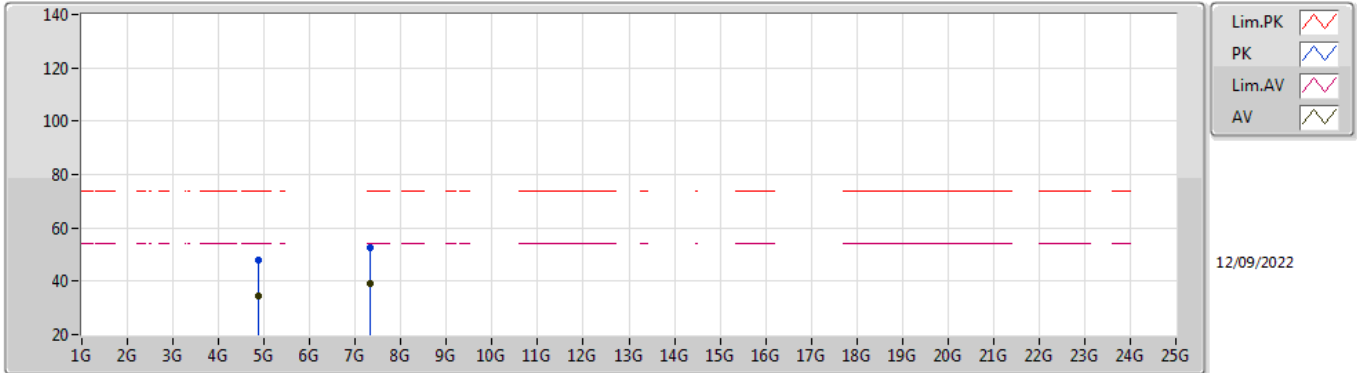


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.87592G	47.33	74.00	-26.67	41.52	3	Vertical	195	1.38	-	33.60	7.10	34.89
AV	4.87664G	34.25	54.00	-19.75	28.43	3	Vertical	195	1.38	-	33.61	7.10	34.89
PK	7.31144G	52.22	74.00	-21.78	42.02	3	Vertical	244	2.87	-	36.92	8.42	35.14
AV	7.32196G	39.21	54.00	-14.79	28.98	3	Vertical	244	2.87	-	36.94	8.44	35.15

BT-BR(1Mbps)

2440MHz_TX

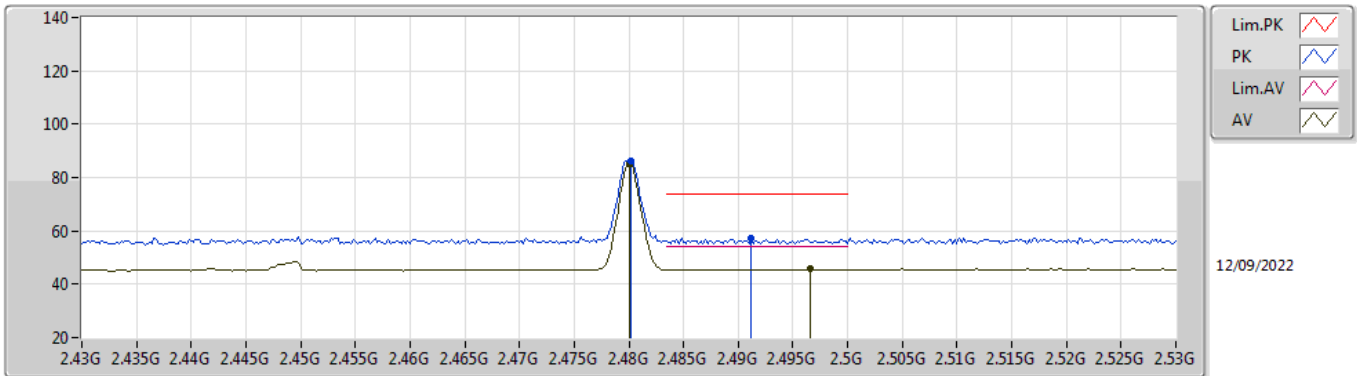


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.8736G	47.84	74.00	-26.16	42.05	3	Horizontal	53	2.37	-	33.59	7.10	34.90
AV	4.87804G	34.34	54.00	-19.66	28.52	3	Horizontal	53	2.37	-	33.61	7.10	34.89
PK	7.31336G	52.71	74.00	-21.29	42.49	3	Horizontal	39	1.49	-	36.93	8.43	35.14
AV	7.32144G	39.28	54.00	-14.72	29.05	3	Horizontal	39	1.49	-	36.94	8.44	35.15

BT-BR(1Mbps)

2480MHz_TX

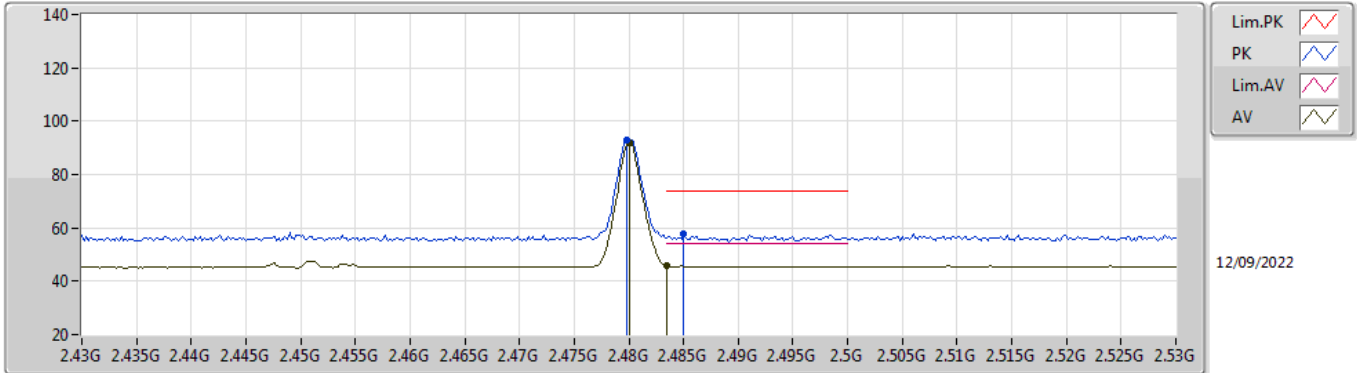


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.4802G	86.24	Inf	-Inf	53.38	3	Vertical	247	2.66	-	28.42	4.44	-
AV	2.48G	85.17	Inf	-Inf	52.31	3	Vertical	247	2.66	-	28.42	4.44	-
PK	2.4912G	57.41	74.00	-16.59	24.50	3	Vertical	247	2.66	-	28.46	4.45	-
AV	2.4966G	45.66	54.00	-8.34	12.72	3	Vertical	247	2.66	-	28.49	4.45	-

BT-BR(1Mbps)

2480MHz_TX

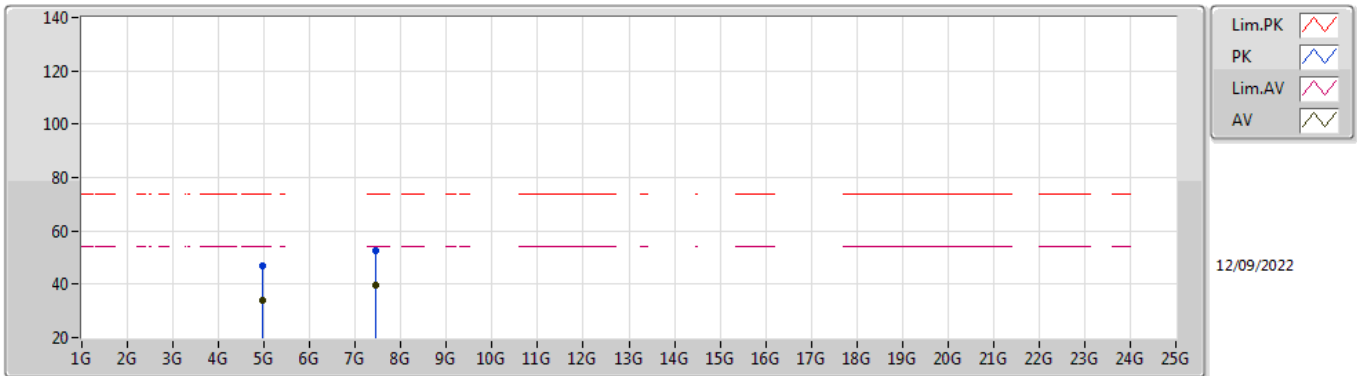


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.4798G	92.96	Inf	-Inf	60.10	3	Horizontal	184	2.96	-	28.42	4.44	-
AV	2.48G	91.93	Inf	-Inf	59.07	3	Horizontal	184	2.96	-	28.42	4.44	-
PK	2.485G	57.63	74.00	-16.37	24.75	3	Horizontal	184	2.96	-	28.44	4.44	-
AV	2.4835G	45.79	54.00	-8.21	12.92	3	Horizontal	184	2.96	-	28.43	4.44	-

BT-BR(1Mbps)

2480MHz_TX

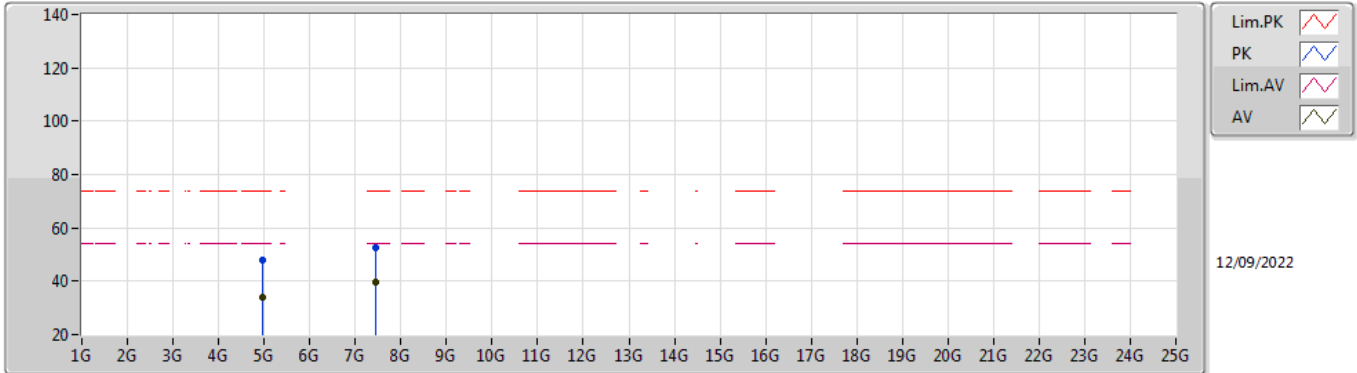


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.95468G	47.08	74.00	-26.92	41.08	3	Vertical	41	1.45	-	33.79	7.10	34.89
AV	4.954G	34.11	54.00	-19.89	28.11	3	Vertical	41	1.45	-	33.79	7.10	34.89
PK	7.4398G	52.61	74.00	-21.39	42.29	3	Vertical	136	2.51	-	36.92	8.60	35.20
AV	7.44132G	39.57	54.00	-14.43	29.25	3	Vertical	136	2.51	-	36.92	8.60	35.20

BT-BR(1Mbps)

2480MHz_TX

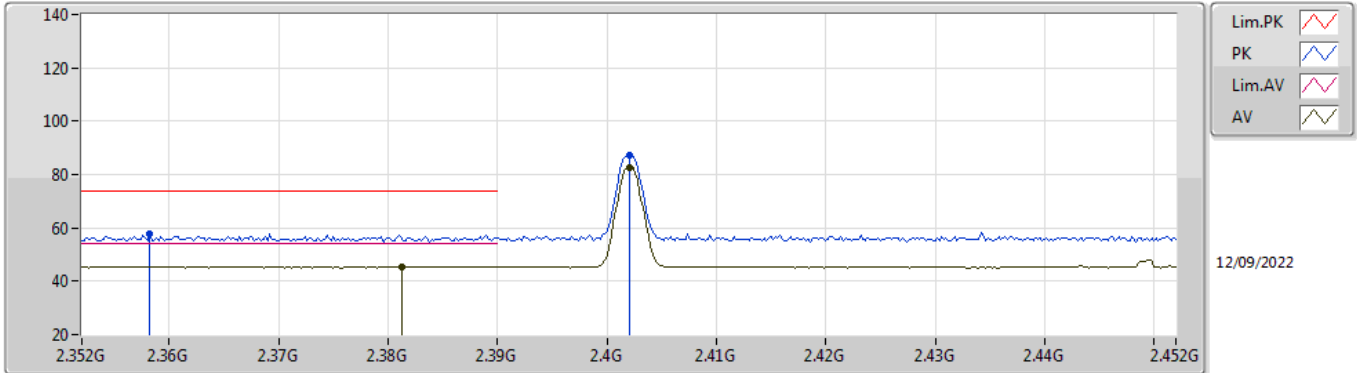


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.95864G	47.91	74.00	-26.09	41.92	3	Horizontal	269	2.07	-	33.78	7.10	34.89
AV	4.9562G	34.06	54.00	-19.94	28.06	3	Horizontal	269	2.07	-	33.79	7.10	34.89
PK	7.44548G	52.41	74.00	-21.59	42.10	3	Horizontal	197	1.77	-	36.91	8.60	35.20
AV	7.44864G	39.68	54.00	-14.32	29.39	3	Horizontal	197	1.77	-	36.90	8.60	35.21

BT-EDR(3Mbps)

2402MHz_TX

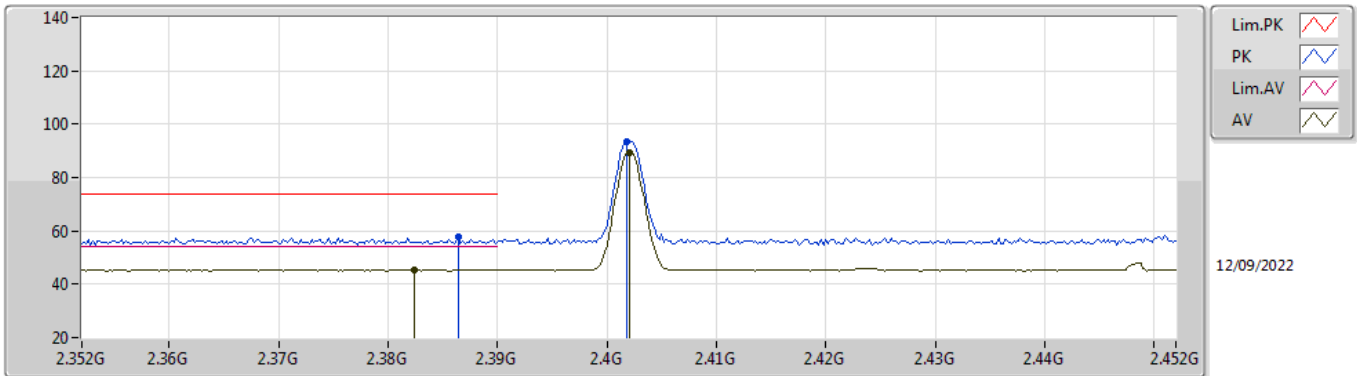


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.3582G	57.67	74.00	-16.33	25.18	3	Vertical	251	2.57	-	28.13	4.36	-
AV	2.3812G	45.39	54.00	-8.61	12.79	3	Vertical	251	2.57	-	28.22	4.38	-
PK	2.402G	87.08	Inf	-Inf	54.38	3	Vertical	251	2.57	-	28.30	4.40	-
AV	2.402G	82.77	Inf	-Inf	50.07	3	Vertical	251	2.57	-	28.30	4.40	-

BT-EDR(3Mbps)

2402MHz_TX

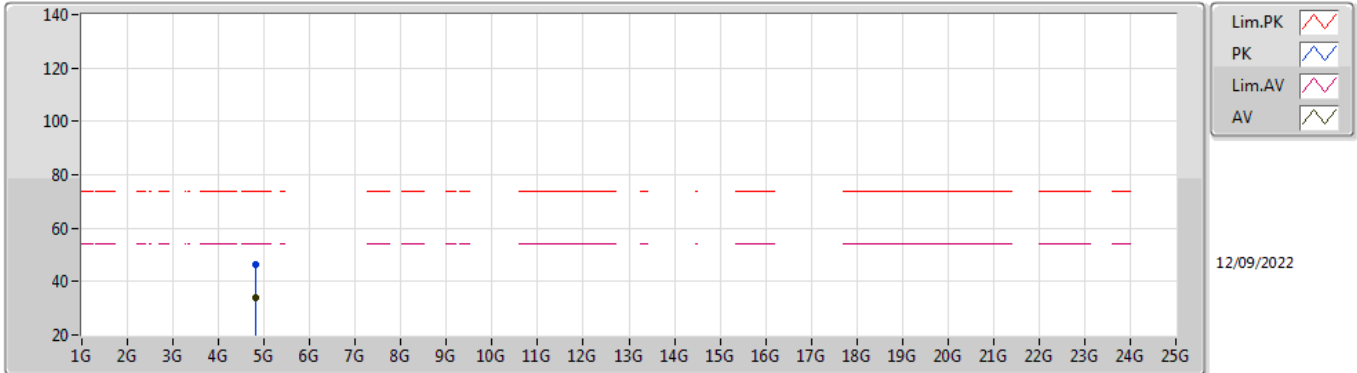


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.3864G	57.59	74.00	-16.41	24.95	3	Horizontal	191	2.75	-	28.25	4.39	-
AV	2.3824G	45.38	54.00	-8.62	12.77	3	Horizontal	191	2.75	-	28.23	4.38	-
PK	2.4018G	93.51	Inf	-Inf	60.81	3	Horizontal	191	2.75	-	28.30	4.40	-
AV	2.402G	89.26	Inf	-Inf	56.56	3	Horizontal	191	2.75	-	28.30	4.40	-

BT-EDR(3Mbps)

2402MHz_TX

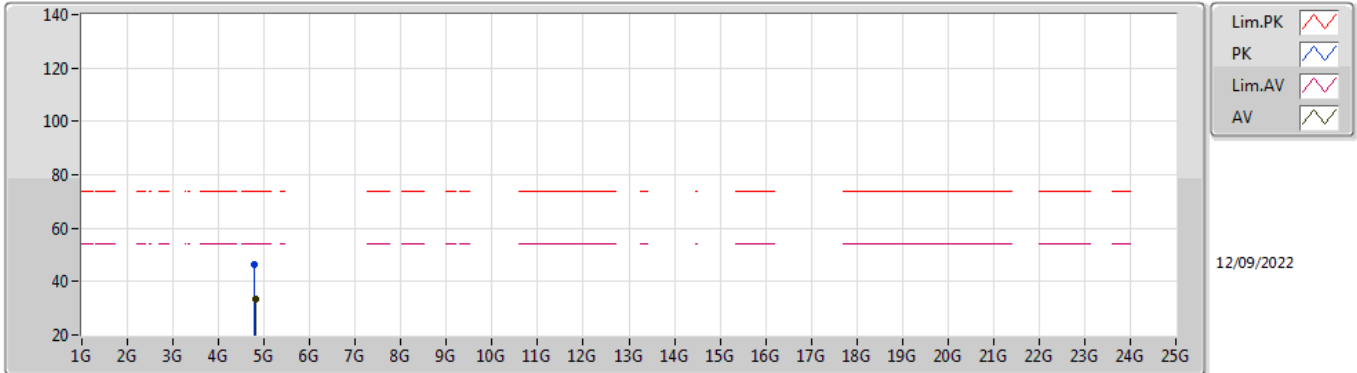


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.812G	46.17	74.00	-27.83	40.70	3	Vertical	184	1.67	-	33.27	7.10	34.90
AV	4.8068G	33.88	54.00	-20.12	28.44	3	Vertical	184	1.67	-	33.24	7.10	34.90

BT-EDR(3Mbps)

2402MHz_TX

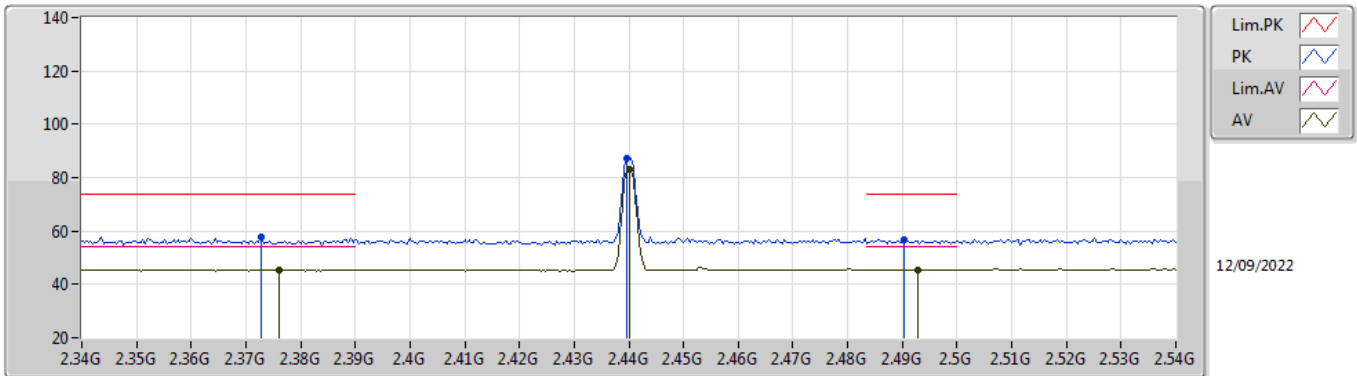


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.7976G	46.58	74.00	-27.42	41.18	3	Horizontal	57	1.89	-	33.20	7.10	34.90
AV	4.81372G	33.61	54.00	-20.39	28.13	3	Horizontal	57	1.89	-	33.28	7.10	34.90

BT-EDR(3Mbps)

2440MHz_TX

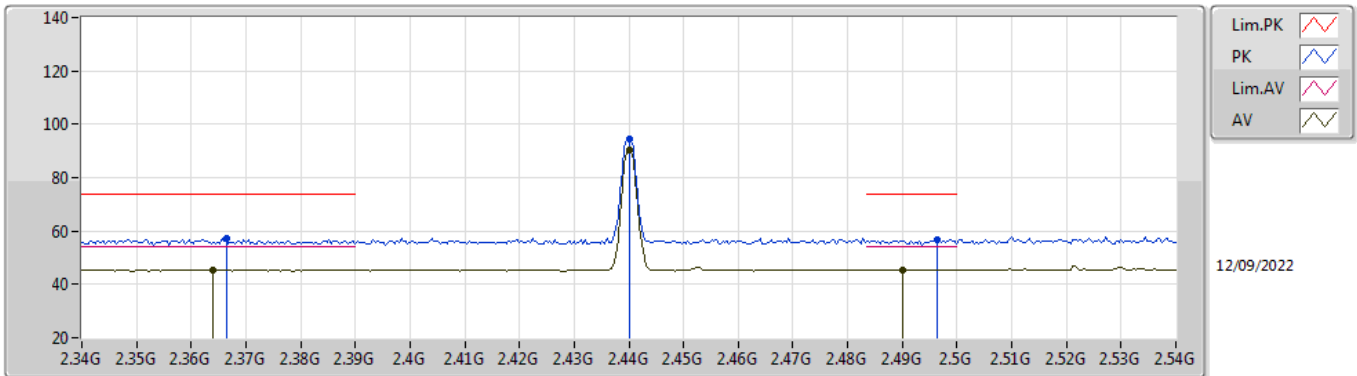


EUT_Z_1TX
Setting 8
03-D-K-5

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	57.76	74.00	-16.24	25.20	3	Vertical	255	2.78	-	28.19	4.37	-
AV	2.376G	45.45	54.00	-8.55	12.87	3	Vertical	255	2.78	-	28.20	4.38	-
PK	2.4396G	87.37	Inf	-Inf	54.65	3	Vertical	255	2.78	-	28.30	4.42	-
AV	2.44G	83.10	Inf	-Inf	50.38	3	Vertical	255	2.78	-	28.30	4.42	-
PK	2.4904G	56.92	74.00	-17.08	24.01	3	Vertical	255	2.78	-	28.46	4.45	-
AV	2.4928G	45.53	54.00	-8.47	12.61	3	Vertical	255	2.78	-	28.47	4.45	-

BT-EDR(3Mbps)

2440MHz_TX

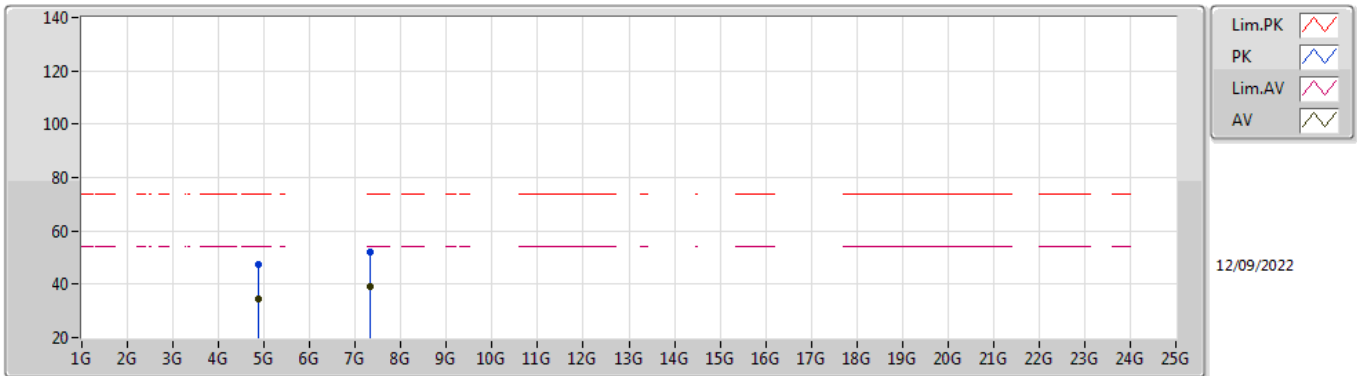


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.3664G	57.34	74.00	-16.66	24.80	3	Horizontal	189	2.75	-	28.17	4.37	-
AV	2.364G	45.44	54.00	-8.56	12.92	3	Horizontal	189	2.75	-	28.16	4.36	-
PK	2.44G	94.48	Inf	-Inf	61.76	3	Horizontal	189	2.75	-	28.30	4.42	-
AV	2.44G	90.20	Inf	-Inf	57.48	3	Horizontal	189	2.75	-	28.30	4.42	-
PK	2.4964G	56.68	74.00	-17.32	23.74	3	Horizontal	189	2.75	-	28.49	4.45	-
AV	2.49G	45.53	54.00	-8.47	12.62	3	Horizontal	189	2.75	-	28.46	4.45	-

BT-EDR(3Mbps)

2440MHz_TX

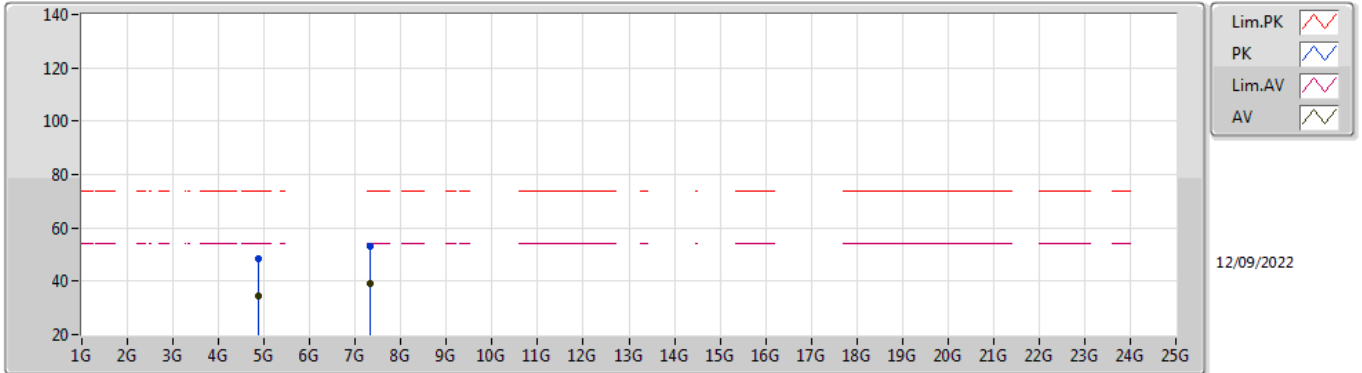


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.87456G	47.41	74.00	-26.59	41.61	3	Vertical	132	1.97	-	33.60	7.10	34.90
AV	4.87524G	34.32	54.00	-19.68	28.51	3	Vertical	132	1.97	-	33.60	7.10	34.89
PK	7.31496G	52.25	74.00	-21.75	42.03	3	Vertical	246	2.66	-	36.93	8.43	35.14
AV	7.318G	39.22	54.00	-14.78	28.99	3	Vertical	246	2.66	-	36.94	8.44	35.15

BT-EDR(3Mbps)

2440MHz_TX

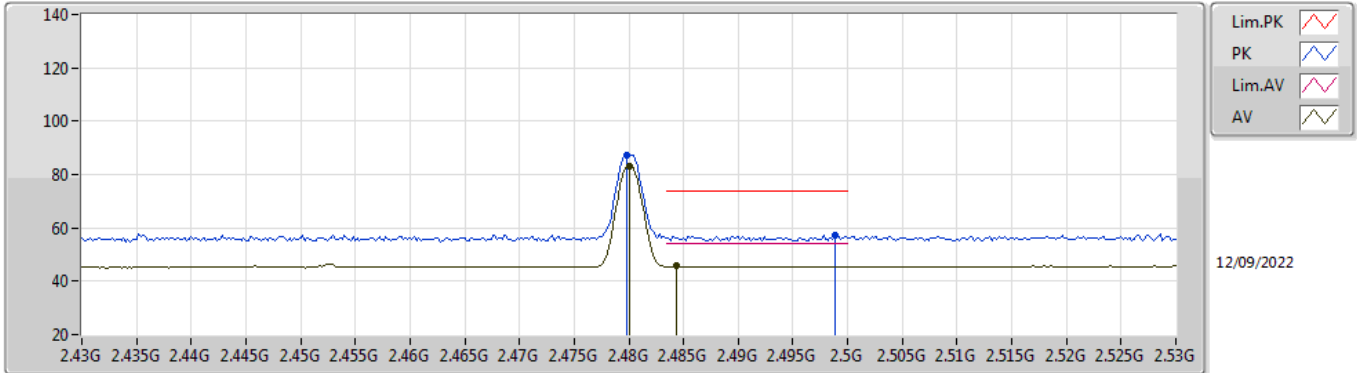


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.87152G	48.20	74.00	-25.80	42.41	3	Horizontal	10	1.77	-	33.59	7.10	34.90
AV	4.87296G	34.36	54.00	-19.64	28.57	3	Horizontal	10	1.77	-	33.59	7.10	34.90
PK	7.31504G	53.02	74.00	-20.98	42.80	3	Horizontal	342	2.69	-	36.93	8.43	35.14
AV	7.31932G	39.37	54.00	-14.63	29.14	3	Horizontal	342	2.69	-	36.94	8.44	35.15

BT-EDR(3Mbps)

2480MHz_TX

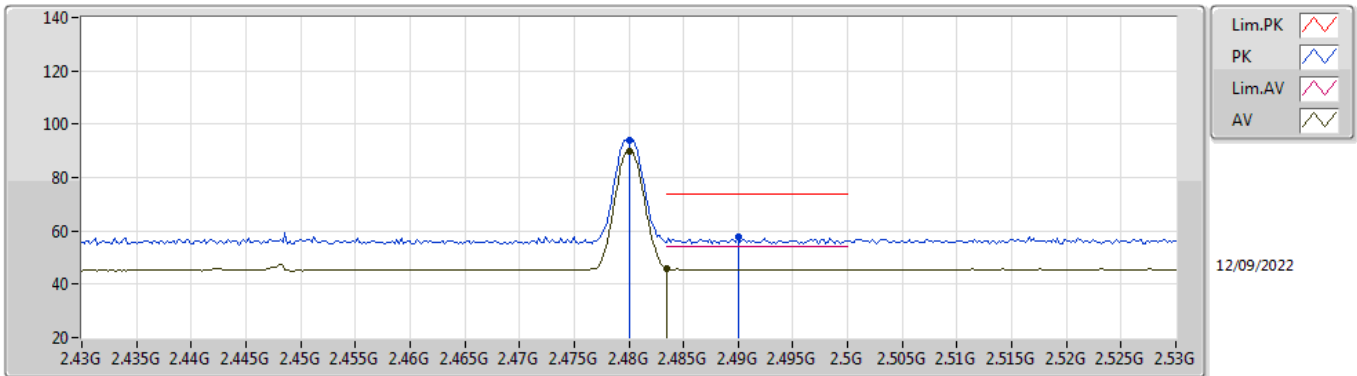


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.4798G	87.48	Inf	-Inf	54.62	3	Vertical	254	2.74	-	28.42	4.44	-
AV	2.48G	83.12	Inf	-Inf	50.26	3	Vertical	254	2.74	-	28.42	4.44	-
PK	2.4988G	57.15	74.00	-16.85	24.20	3	Vertical	254	2.74	-	28.50	4.45	-
AV	2.4844G	45.64	54.00	-8.36	12.76	3	Vertical	254	2.74	-	28.44	4.44	-

BT-EDR(3Mbps)

2480MHz_TX

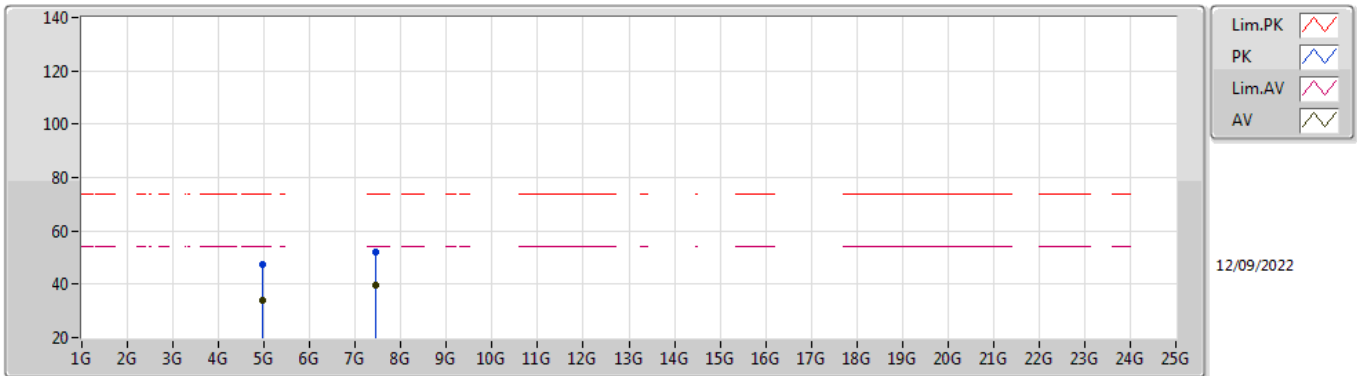


EUT_Z_1TX
Setting 8
03-D-K-5

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	2.48G	94.15	Inf	-Inf	61.29	3	Horizontal	186	2.97	-	28.42	4.44	-
AV	2.48G	89.97	Inf	-Inf	57.11	3	Horizontal	186	2.97	-	28.42	4.44	-
PK	2.49G	57.53	74.00	-16.47	24.62	3	Horizontal	186	2.97	-	28.46	4.45	-
AV	2.4835G	46.09	54.00	-7.91	13.22	3	Horizontal	186	2.97	-	28.43	4.44	-

BT-EDR(3Mbps)

2480MHz_TX

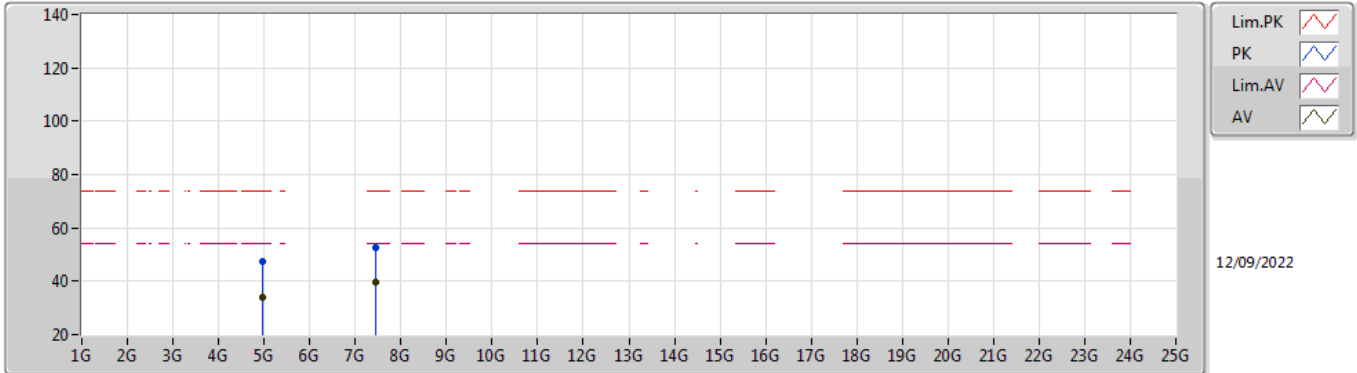


EUT_Z_1TX
Setting 8
03-D-K-5

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	4.9644G	47.20	74.00	-26.80	41.22	3	Vertical	23	2.29	-	33.77	7.10	34.89
AV	4.95316G	34.07	54.00	-19.93	28.07	3	Vertical	23	2.29	-	33.79	7.10	34.89
PK	7.43992G	52.13	74.00	-21.87	41.81	3	Vertical	33	1.73	-	36.92	8.60	35.20
AV	7.44404G	39.44	54.00	-14.56	29.13	3	Vertical	33	1.73	-	36.91	8.60	35.20

BT-EDR(3Mbps)

2480MHz_TX



EUT_Z_1TX
Setting 8
03-D-K-5

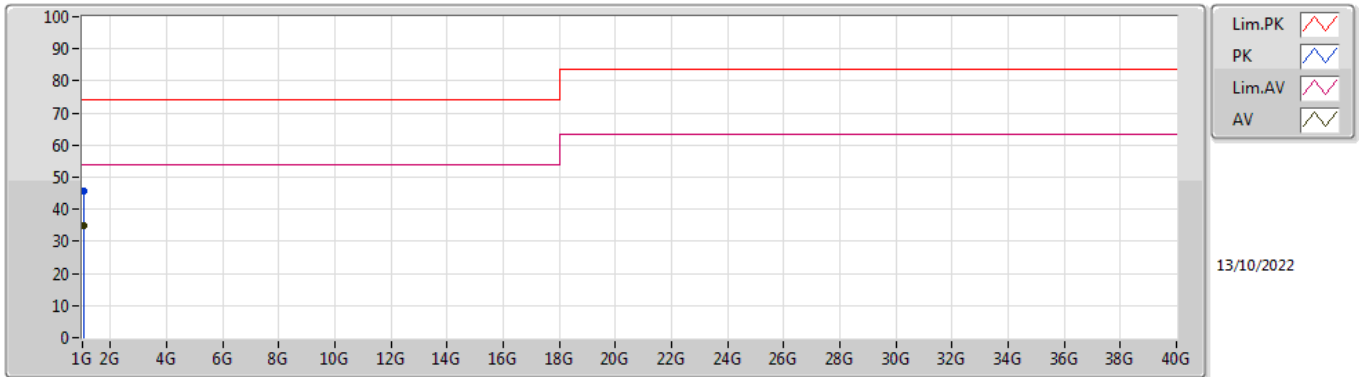
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.96824G	47.37	74.00	-26.63	41.40	3	Horizontal	173	2.34	-	33.76	7.10	34.89
AV	4.97G	34.06	54.00	-19.94	28.09	3	Horizontal	173	2.34	-	33.76	7.10	34.89
PK	7.4482G	52.69	74.00	-21.31	42.40	3	Horizontal	140	2.22	-	36.90	8.60	35.21
AV	7.44952G	39.57	54.00	-14.43	29.28	3	Horizontal	140	2.22	-	36.90	8.60	35.21



Summary

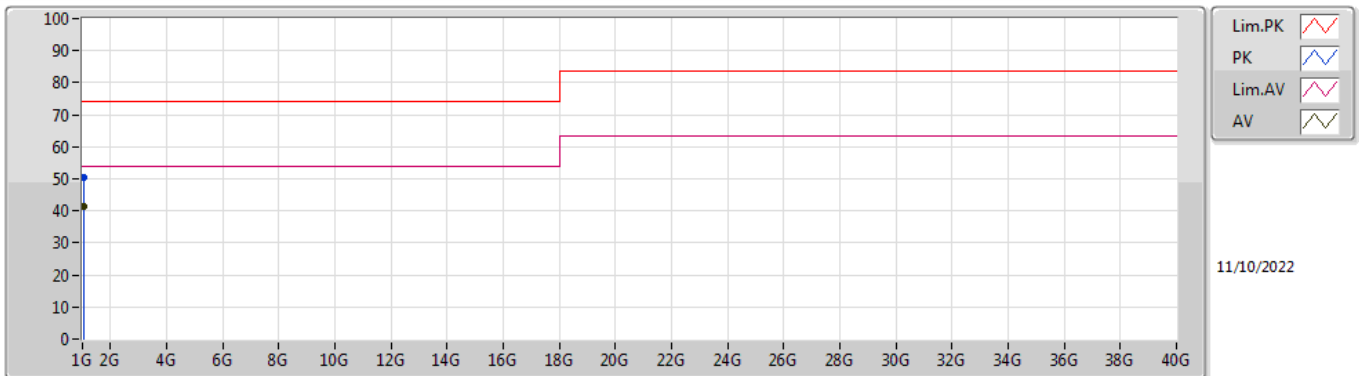
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	AV	1.04209G	41.32	54.00	-12.68	Horizontal

Mode 2



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	1.0395G	45.66	74.00	-28.34	-8.37	3	Vertical	309	1.69	-	54.03	25.17	2.86	36.40
AV	1.03979G	35.11	54.00	-18.89	-8.36	3	Vertical	309	1.69	"Worst"	43.47	25.18	2.86	36.40

Mode 2



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	1.03937G	50.49	74.00	-23.51	-8.37	3	Horizontal	327	1.73	-	58.86	25.17	2.86	36.40
AV	1.04209G	41.32	54.00	-12.68	-8.33	3	Horizontal	327	1.73	"Worst"	49.65	25.21	2.86	36.40