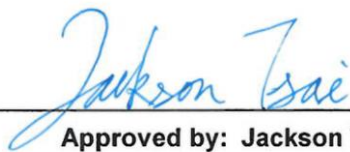


FCC Radio Test Report

FCC ID : 2A4DH-1021
Equipment : 802.11a/b/g/n/ac dual-band Wi-Fi + BT 5.1 Module
Model Name : WM-BAC-MT-53
Applicant : Amazon.com Services LLC
410 Terry Avenue North, Seattle, WA 98109, USA
Manufacturer : Amazon.com Services LLC
410 Terry Avenue North, Seattle, WA 98109, USA
Standard : 47 CFR FCC Part 15.247

The product was received on May 27, 2022, and testing was started from Jun. 15, 2022 and completed on Jul. 12, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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PHOTOGRAPHS OF EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FR252304AD	01	Initial issue of report	Aug. 17, 2022
FR252304AD	02	Revised typo (This report is the latest version replacing for the report issued on Aug. 17, 2022.)	Sep. 16, 2022
FR252304AD	03	Revised typo (This report is the latest version replacing for the report issued on Sep. 16, 2022.)	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 Bandedge	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:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and explanations:
None

Reviewed by: Ben Tseng

Report Producer: Michelle Tsai

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.	Brand	Model Name	Antenna Type	Connector
1	USI	MT53	PIFA	N/A
2	USI	MT53	PIFA	N/A

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	4.27	6.06	-
2	1	-	-	4.35

Note: The antenna mentioned above will not be sold with the EUT in the market.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT mode (1TX/1RX)

Ant. 1 (port 1) could transmit/receive.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 2 (port 1) could transmit/receive.

For 5GHz function:

For IEEE 802.11 a/n/ac mode (1TX/1RX)

Ant. 1 (port 1) could transmit/receive.



1.1.3 EUT Information

Operational Condition	
EUT Power Type	From Test Fixture
EUT Function	<input checked="" type="checkbox"/> Point-to-multipoint <input type="checkbox"/> Point-to-point
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)
	Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)
	Host System - Brand Name / Model No.: ...
<input type="checkbox"/>	Other:

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
BT-BR(1Mbps)	0.304	5.17	380u	3k
BT-EDR(2Mbps)	0.741	1.3	2.887m	1k
BT-EDR(3Mbps)	0.742	1.3	2.889m	1k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.2 Testing Applied Standards

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

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013

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

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

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Ivan Chung	23.1~23.3°C / 57~59%	01/Jul/2022~06/Jul/2022
RF Conducted	TH07-HY	Yuna Lin	22.6~23.9°C / 54~59%	15/Jun/2022~27/Jun/2022
Radiated	03CH03-HY	Billy Wang	23.5~24.4°C / 55~60%	18/Jun/2022~12/Jul/2022
<input type="checkbox"/>	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
		TEL: 886-3-318-0787	FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Receiver Radiated Unwanted Emissions	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode




Test Software Version	Terminal:7663mp1827
-----------------------	---------------------

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	m7s0
2440MHz	m7s0
2480MHz	m7s0
BT-EDR(2Mbps)	-
2402MHz	m7s0
2440MHz	m7s0
2480MHz	m7s0
BT-EDR(3Mbps)	-
2402MHz	m7s0
2440MHz	m7s0
2480MHz	m7s0

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	CTX
1	Test Fixture Mode

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 <input checked="" type="checkbox"/> Non-adaptive frequency hopping systems (Non-AFH) <input type="checkbox"/> adaptive frequency hopping systems (AFH)

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	CTX		
1	Test Fixture Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	802.11b channel 6 (2437MHz) + BLE 1M channel 17 (2440MHz)
2	802.11a channel 48 (5240MHz) + BLE 1M channel 17 (2440MHz)
3	802.11b channel 11 (2462MHz) + BLE 1M channel 11 (2424MHz)
4	802.11b channel 8 (2447MHz) + BLE 1M channel 1 (2404MHz)
Refer to Appendix H for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA252304 for Co-location RF Exposure Evaluation.	



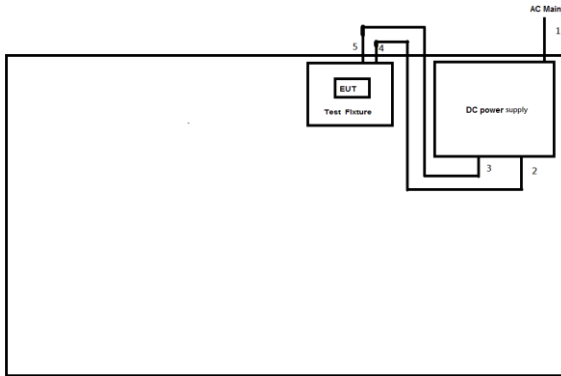
2.3 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Power sync	PW-GPC180-3	-	-
2	DC Power Cable(+)	MiSUMi	WTN1229-BLACK	-	-
3	DC Power Cable(-)	MiSUMi	WTN1229-RED	-	-
4	Fixture	-	-	-	Provided by Customer
5	DC Power Supply	GW	GPR-3510HD	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	HSTNN-142C	-	-
2	Adapter for NB	HP	HSTNN-LA40	-	-
3	DC Power Supply	GW	GPR-3510HD	-	-
4	DC Power Cable(+)	MiSUMi	WTN1229-BLACK	-	-
5	DC Power Cable(-)	MiSUMi	WTN1229-RED	-	-

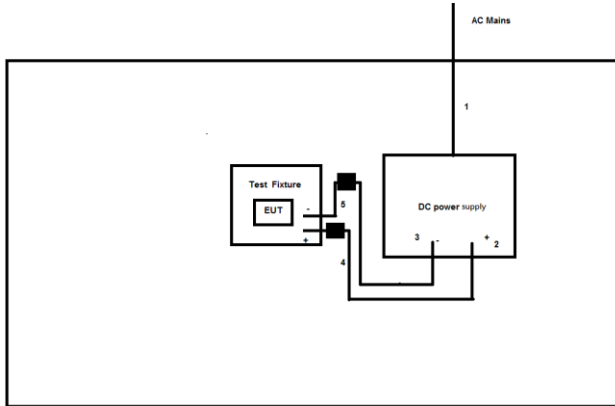
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable(+)	No	1.0	-
3	DC Power cable(-)	No	1.0	-
4	DC Power cable(+)	No	0.1	-
5	DC Power cable(-)	No	0.1	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable(+)	No	1.0	-
3	DC Power cable(-)	No	1.0	-
4	DC Power cable(+)	No	0.1	-
5	DC Power cable(-)	No	0.1	-



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

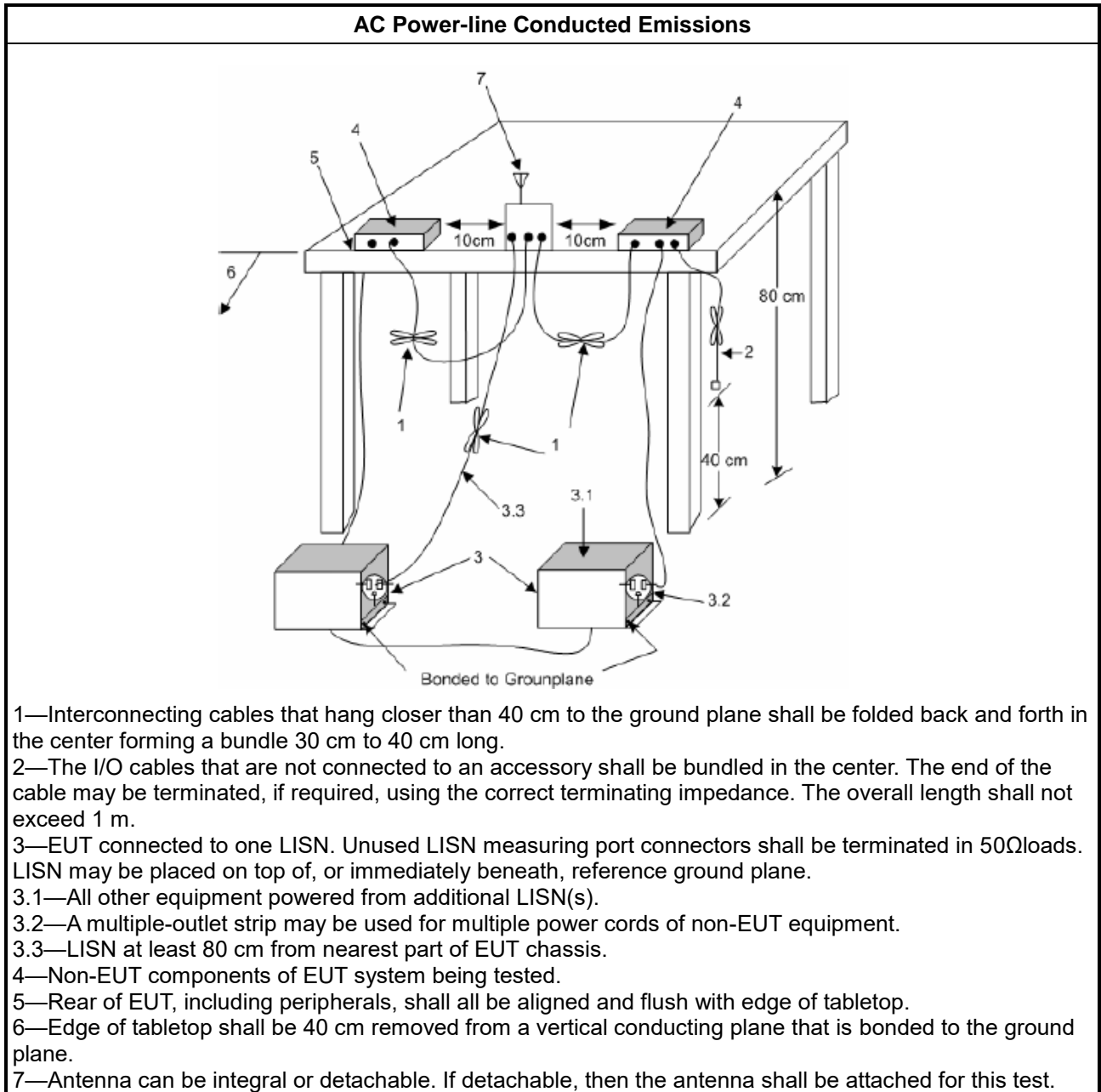
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 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	
<ul style="list-style-type: none"> 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	<ul style="list-style-type: none"> $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3, 25 kHz).
<p>N: Number of Hopping Frequencies; ChS: Hopping Channel Separation</p>	

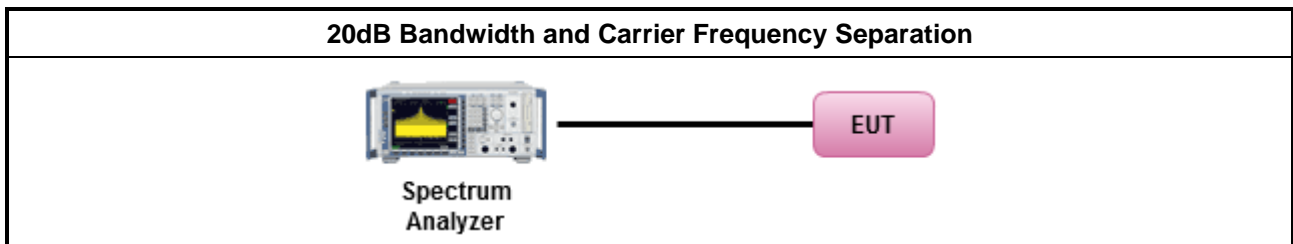
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 6.9.2 for 20 dB bandwidth measurement.
<ul style="list-style-type: none"> 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"> 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
N: Number of Hopping Frequencies	

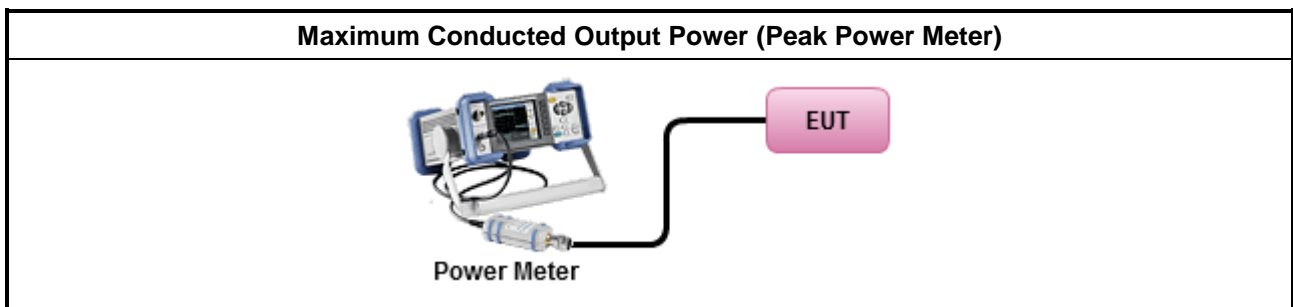
3.3.2 Measuring Instruments

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	
<ul style="list-style-type: none"> 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> $N \geq 75$ and $ChS \geq MAX$ (20 dB bandwidth, 25 kHz).
	<ul style="list-style-type: none"> $75 > N \geq 15$ and $ChS \geq MAX$ (20 dB bandwidth 2/3,25 kHz).
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

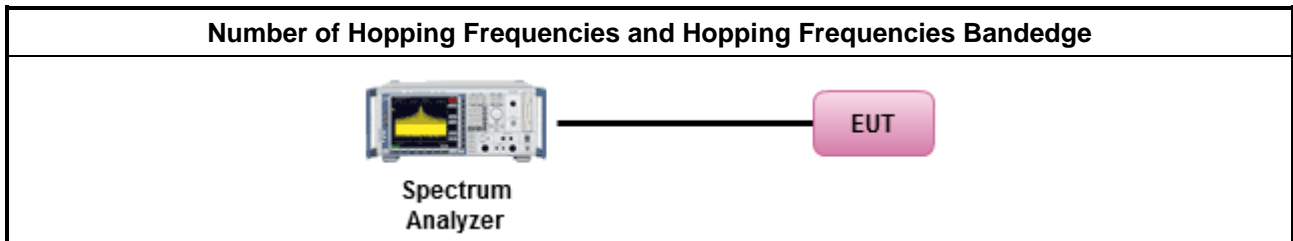
3.4.3 Measuring Instruments

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

3.4.4 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 7.8.3 for number of hopping frequencies measurement.
<ul style="list-style-type: none"> 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

Time of Occupancy (Dwell Time) Limit for Frequency Hopping Systems	
<ul style="list-style-type: none"> 2400-2483.5 MHz Band: 	
	<ul style="list-style-type: none"> $N \geq 75$; 0.4s in $N \times 0.4$ period
	<ul style="list-style-type: none"> $75 > N \geq 15$; 0.4s in $N \times 0.4$ period
N: Number of Hopping Frequencies	

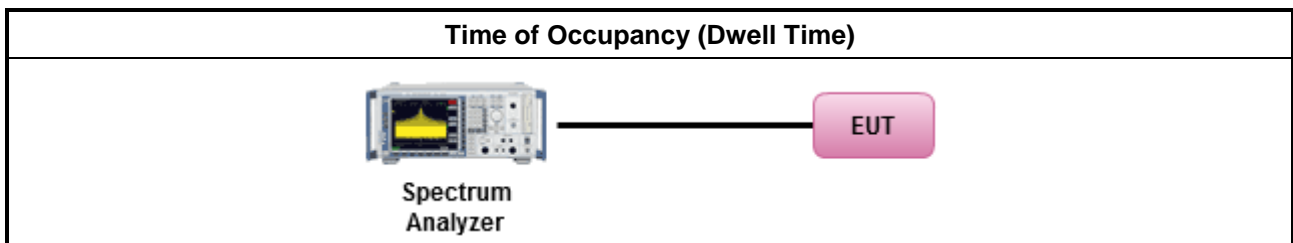
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 7.8.4 for dwell time measurement. 	
<ul style="list-style-type: none"> 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. 	
	<ul style="list-style-type: none"> 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 (dB)
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.	

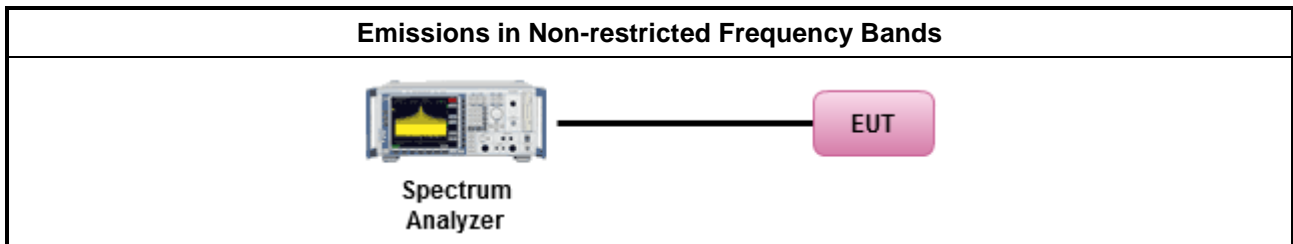
3.6.2 Measuring Instruments

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

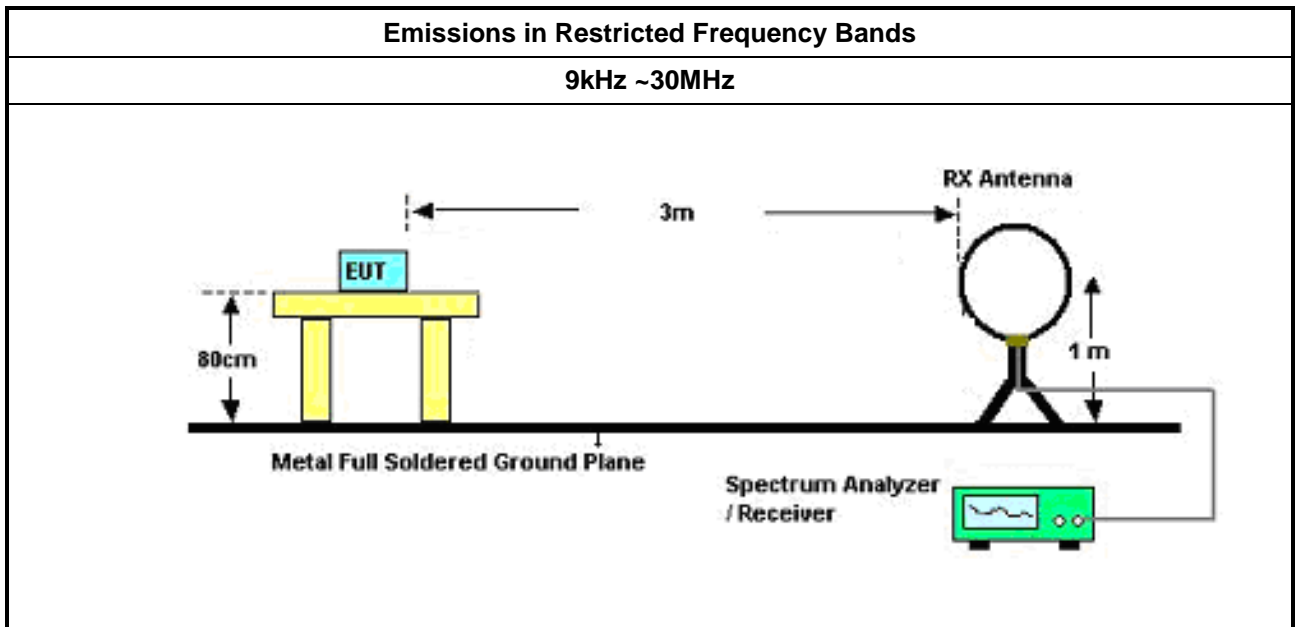
Test Method	
▪	The average emission levels shall be measured in [hopping duty factor].
▪	Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted emissions shall be measured using following options below:
▪	Refer as ANSI C63.10, clause 4.1.4.2.1 QP value.
▪	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak.
▪	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of hopping pulsed emissions.
▪	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
▪	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
▪	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

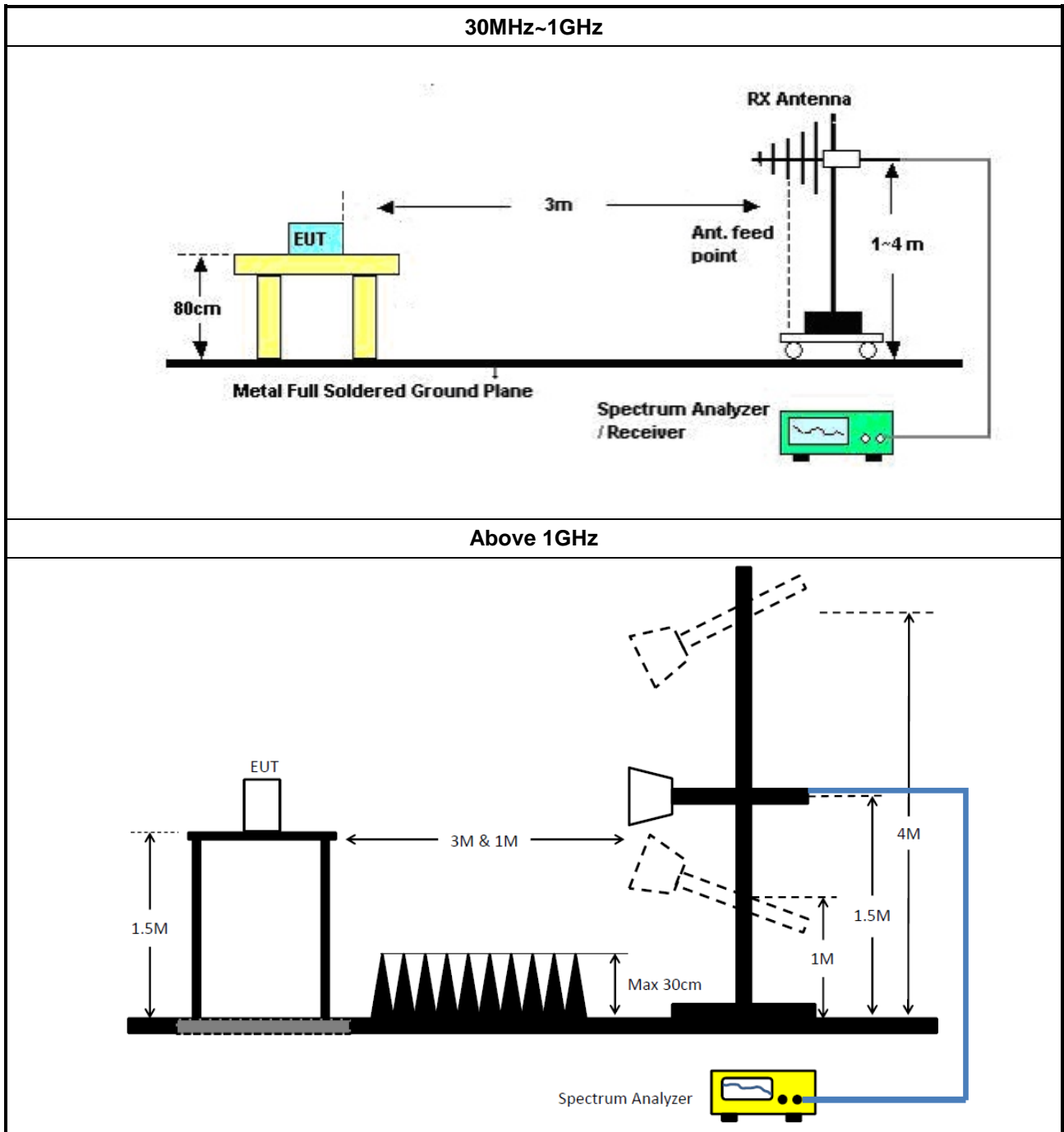
3.7.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.7.5 Test Setup





3.7.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.7.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix G

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.14	-	NCR	NCR

NCR: No Calibration Required

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	03/Aug/2021	02/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	17/Oct/2021	16/Oct/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB02 1-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/Mar/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
Microwave Preampplier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2021	14/Jul/2022
SENSE-EMI	Sporton	v5.10.7.15	NA	NA	NA	NA
SENSE-FS	Sporton	v5.10.7.14	NA	NA	NA	NA



Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2021	16/Dec/2022
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	20/Dec/2021	19/Dec/2022
SENSE-15247_FS	Sporton	V5.10.7.16	N/A	N/A	N/A	N/A



Summary

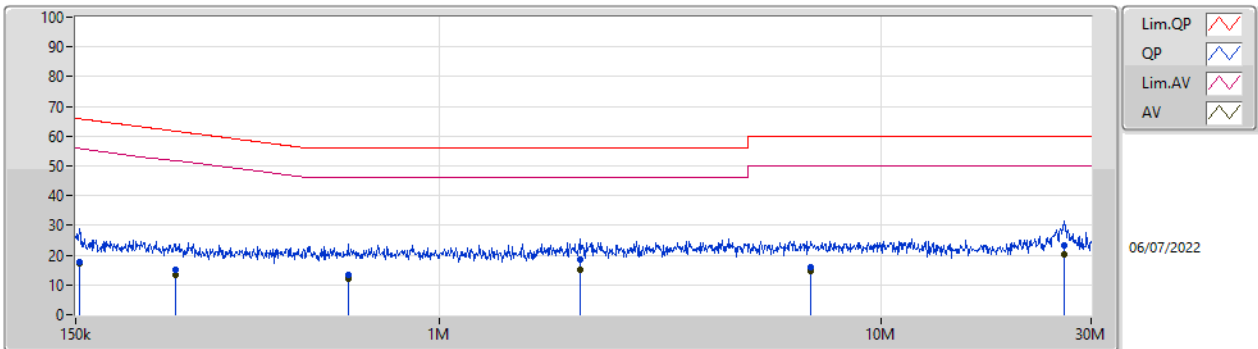
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	26.273M	23.70	50.00	-26.30	Neutral



Result

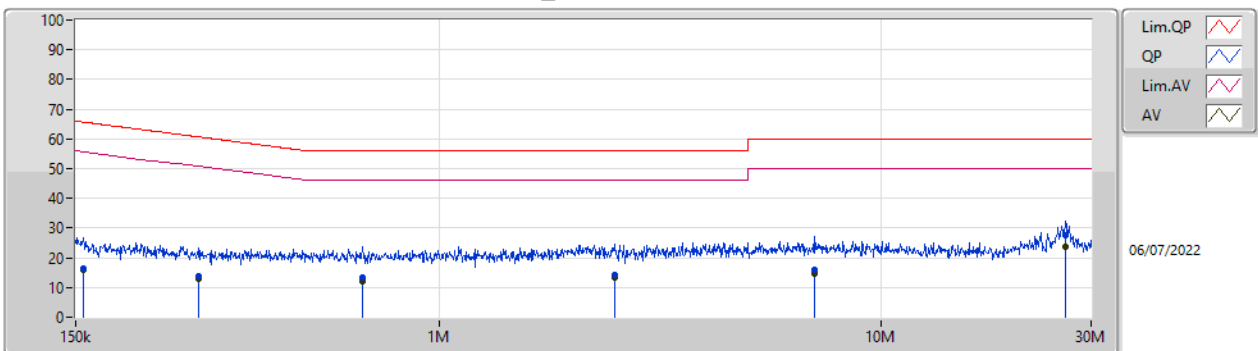
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	153.024k	17.73	65.83	-48.10	Line	-
Mode 1	Pass	AV	153.024k	17.24	55.83	-38.59	Line	-
Mode 1	Pass	QP	253.051k	15.24	61.66	-46.42	Line	-
Mode 1	Pass	AV	253.051k	13.57	51.66	-38.09	Line	-
Mode 1	Pass	QP	621.288k	13.30	56.00	-42.70	Line	-
Mode 1	Pass	AV	621.288k	12.14	46.00	-33.86	Line	-
Mode 1	Pass	QP	2.091M	18.75	56.00	-37.25	Line	-
Mode 1	Pass	AV	2.091M	15.09	46.00	-30.91	Line	-
Mode 1	Pass	QP	6.953M	16.16	60.00	-43.84	Line	-
Mode 1	Pass	AV	6.953M	14.82	50.00	-35.18	Line	-
Mode 1	Pass	QP	26.064M	23.23	60.00	-36.77	Line	-
Mode 1	Pass	AV	26.064M	20.17	50.00	-29.83	Line	-
Mode 1	Pass	QP	156.109k	16.28	65.67	-49.39	Neutral	-
Mode 1	Pass	AV	156.109k	15.86	55.67	-39.81	Neutral	-
Mode 1	Pass	QP	285.246k	13.99	60.67	-46.68	Neutral	-
Mode 1	Pass	AV	285.246k	12.76	50.67	-37.91	Neutral	-
Mode 1	Pass	QP	670.245k	13.39	56.00	-42.61	Neutral	-
Mode 1	Pass	AV	670.245k	12.15	46.00	-33.85	Neutral	-
Mode 1	Pass	QP	2.492M	14.36	56.00	-41.64	Neutral	-
Mode 1	Pass	AV	2.492M	13.24	46.00	-32.76	Neutral	-
Mode 1	Pass	QP	7.065M	15.97	60.00	-44.03	Neutral	-
Mode 1	Pass	AV	7.065M	14.79	50.00	-35.21	Neutral	-
Mode 1	Pass	QP	26.273M	27.62	60.00	-32.38	Neutral	-
Mode 1	Pass	AV	26.273M	23.70	50.00	-26.30	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	153.024k	17.73	65.83	-48.10	19.63	Line	-	-1.90	9.69	0.03	9.91
AV	153.024k	17.24	55.83	-38.59	19.63	Line	-	-2.39	9.69	0.03	9.91
QP	253.051k	15.24	61.66	-46.42	19.63	Line	-	-4.39	9.69	0.03	9.91
AV	253.051k	13.57	51.66	-38.09	19.63	Line	-	-6.06	9.69	0.03	9.91
QP	621.288k	13.30	56.00	-42.70	19.63	Line	-	-6.33	9.68	0.04	9.91
AV	621.288k	12.14	46.00	-33.86	19.63	Line	-	-7.49	9.68	0.04	9.91
QP	2.091M	18.75	56.00	-37.25	19.70	Line	-	-0.95	9.70	0.08	9.92
AV	2.091M	15.09	46.00	-30.91	19.70	Line	-	-4.61	9.70	0.08	9.92
QP	6.953M	16.16	60.00	-43.84	19.86	Line	-	-3.70	9.77	0.16	9.93
AV	6.953M	14.82	50.00	-35.18	19.86	Line	-	-5.04	9.77	0.16	9.93
QP	26.064M	23.23	60.00	-36.77	20.05	Line	-	3.18	9.80	0.32	9.93
AV	26.064M	20.17	50.00	-29.83	20.05	Line	-	0.12	9.80	0.32	9.93

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	156.109k	16.28	65.67	-49.39	19.67	Neutral	-	-3.39	9.73	0.03	9.91
AV	156.109k	15.86	55.67	-39.81	19.67	Neutral	-	-3.81	9.73	0.03	9.91
QP	285.246k	13.99	60.67	-46.68	19.67	Neutral	-	-5.68	9.72	0.04	9.91
AV	285.246k	12.76	50.67	-37.91	19.67	Neutral	-	-6.91	9.72	0.04	9.91
QP	670.245k	13.39	56.00	-42.61	19.70	Neutral	-	-6.31	9.73	0.05	9.92
AV	670.245k	12.15	46.00	-33.85	19.70	Neutral	-	-7.55	9.73	0.05	9.92
QP	2.492M	14.36	56.00	-41.64	19.77	Neutral	-	-5.41	9.75	0.10	9.92
AV	2.492M	13.24	46.00	-32.76	19.77	Neutral	-	-6.53	9.75	0.10	9.92
QP	7.065M	15.97	60.00	-44.03	19.93	Neutral	-	-3.96	9.84	0.16	9.93
AV	7.065M	14.79	50.00	-35.21	19.93	Neutral	-	-5.14	9.84	0.16	9.93
QP	26.273M	27.62	60.00	-32.38	20.34	Neutral	-	7.28	10.09	0.32	9.93
AV	26.273M	23.70	50.00	-26.30	20.34	Neutral	-	3.36	10.09	0.32	9.93



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)	727.5k	723.388k	723KF1D	725k	718.391k
BT-EDR(2Mbps)	1.28M	1.176M	1M18G1D	1.225M	1.172M
BT-EDR(3Mbps)	1.251M	1.179M	1M18G1D	1.241M	1.177M

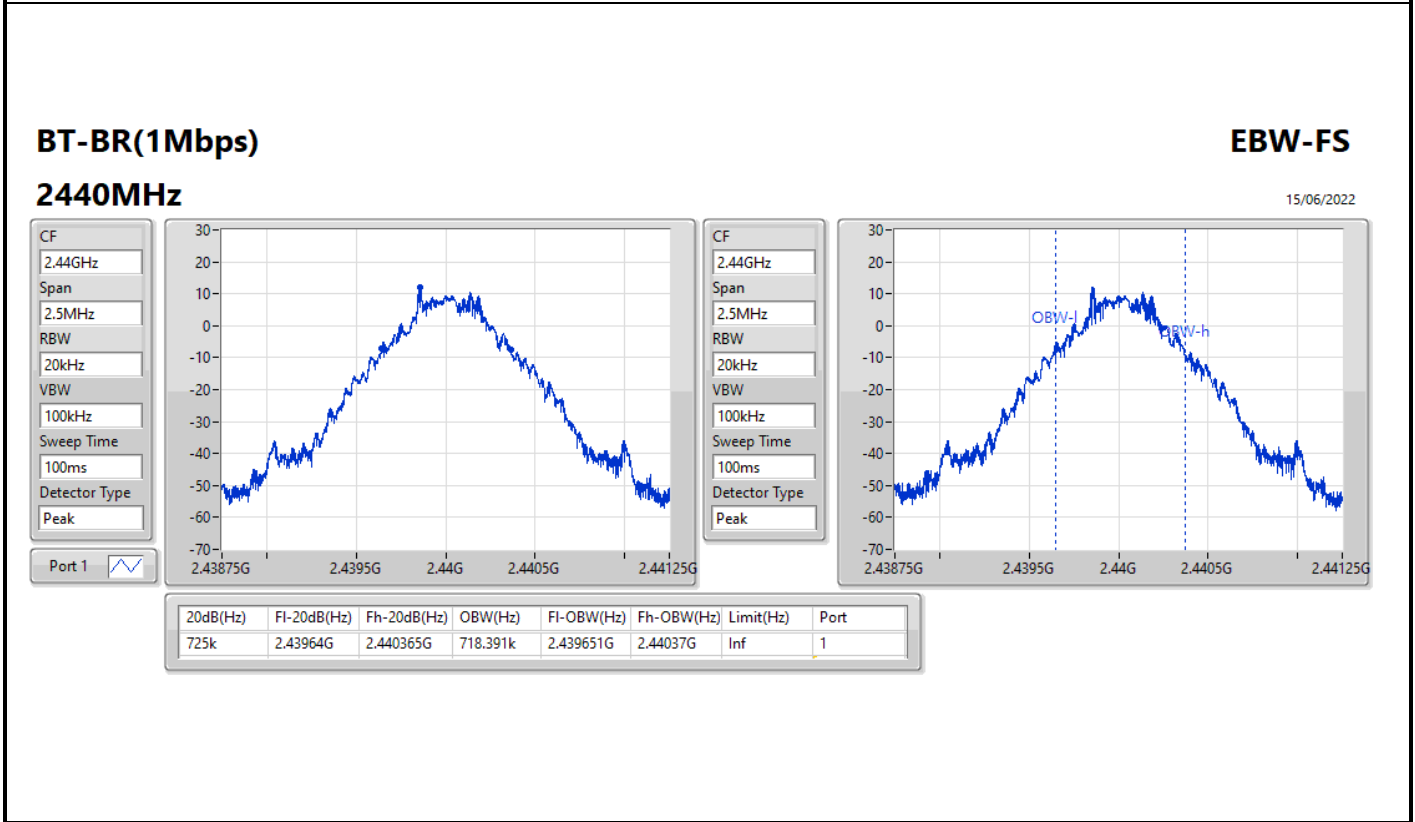
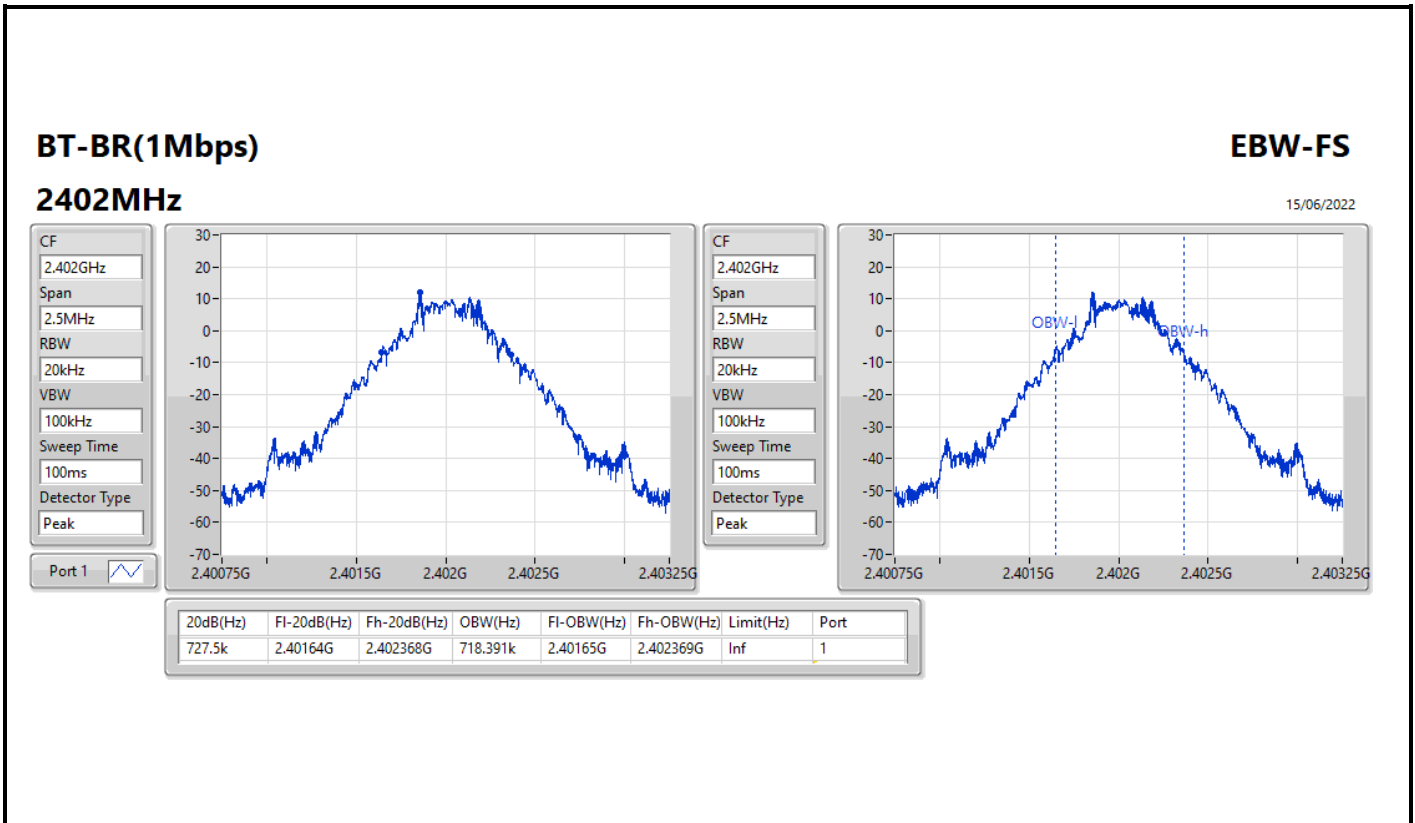
Max-N dB = Maximum 20dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 20dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

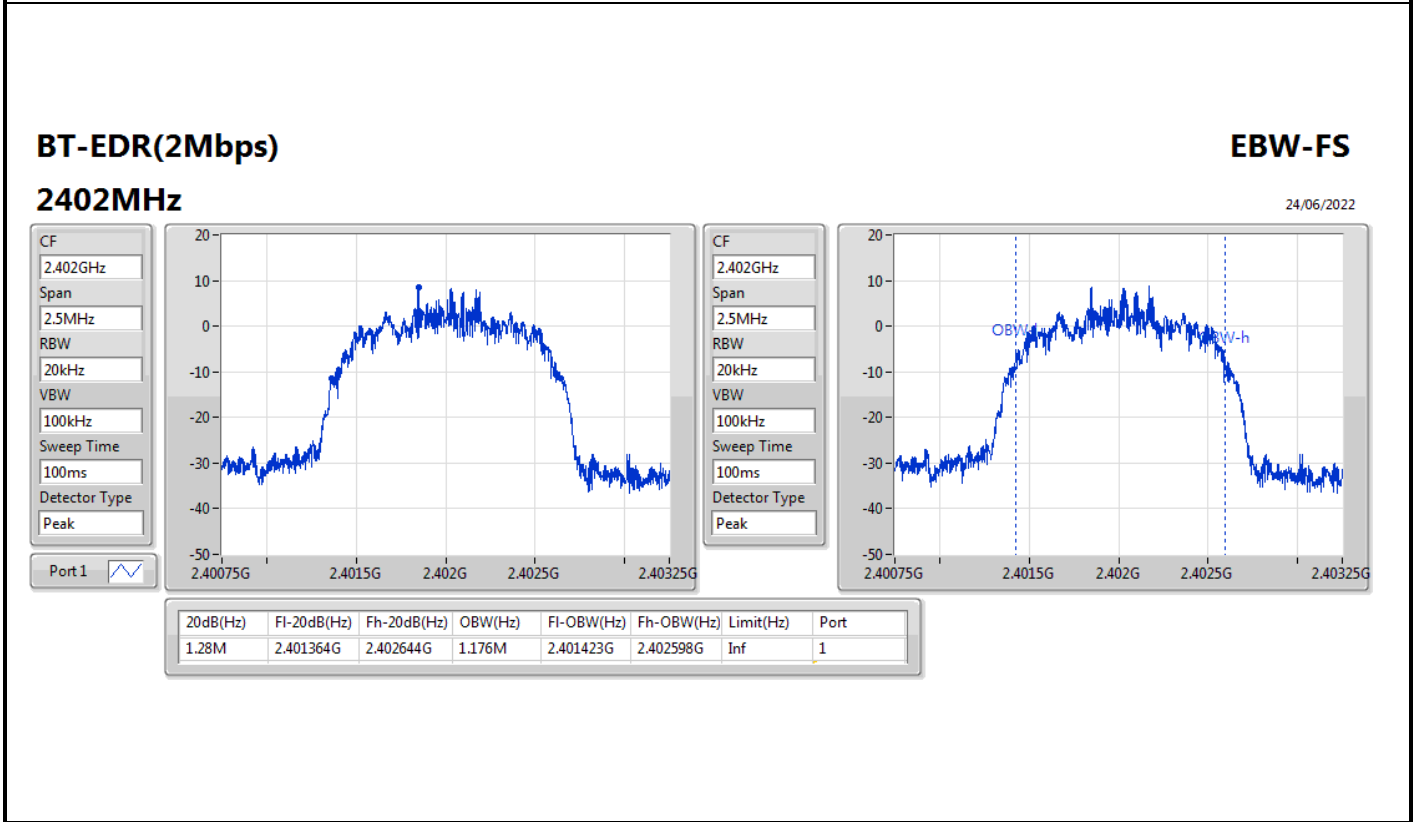
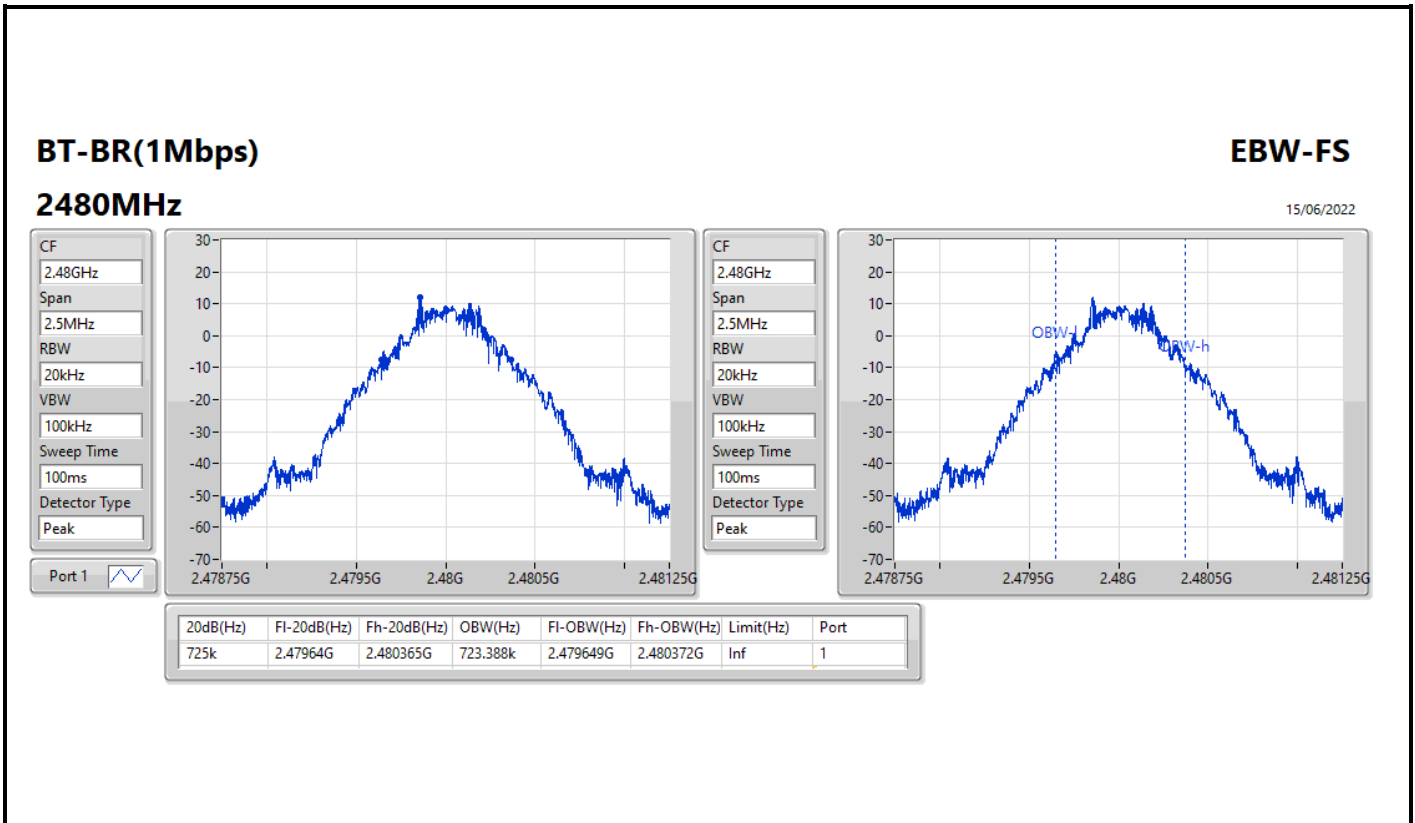


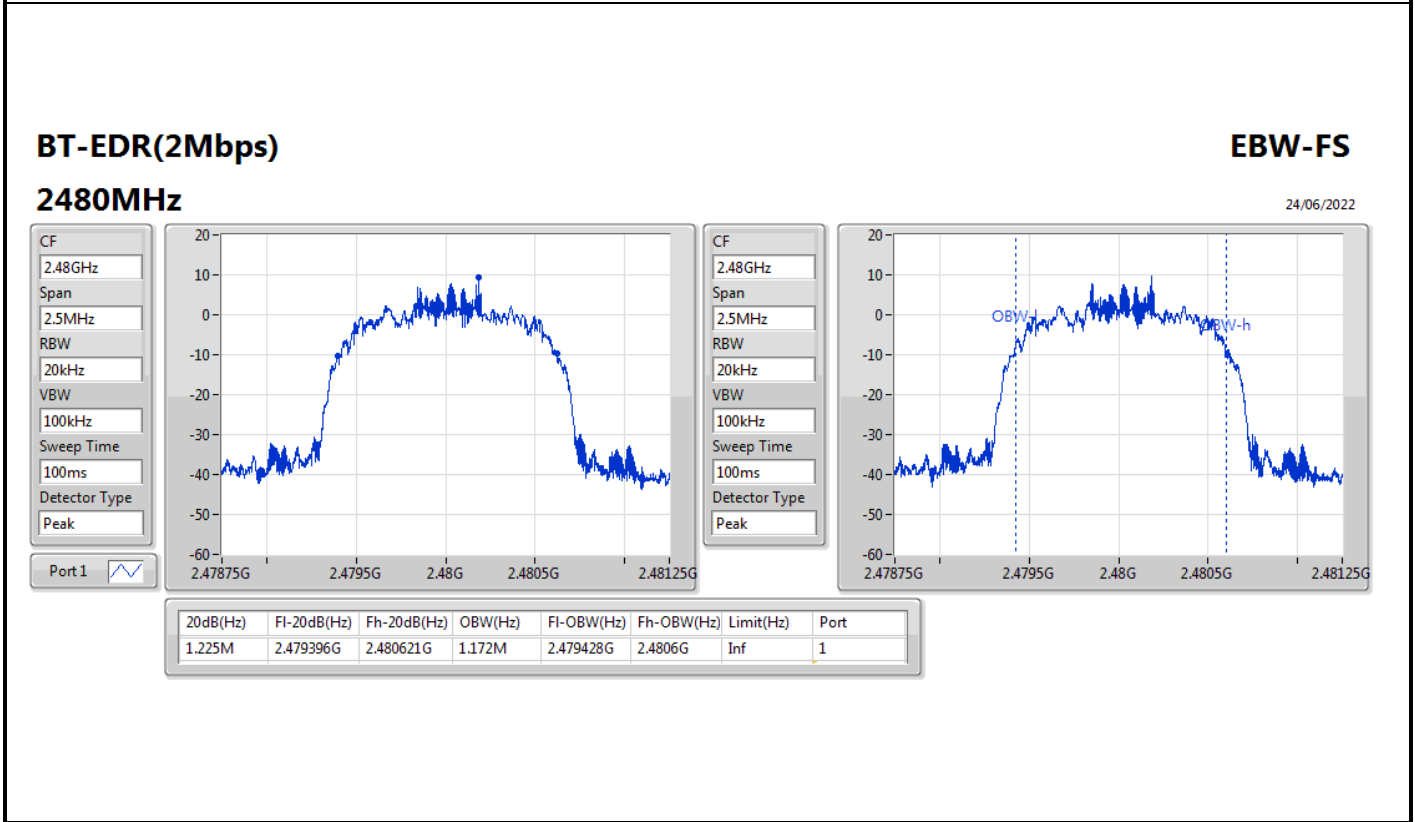
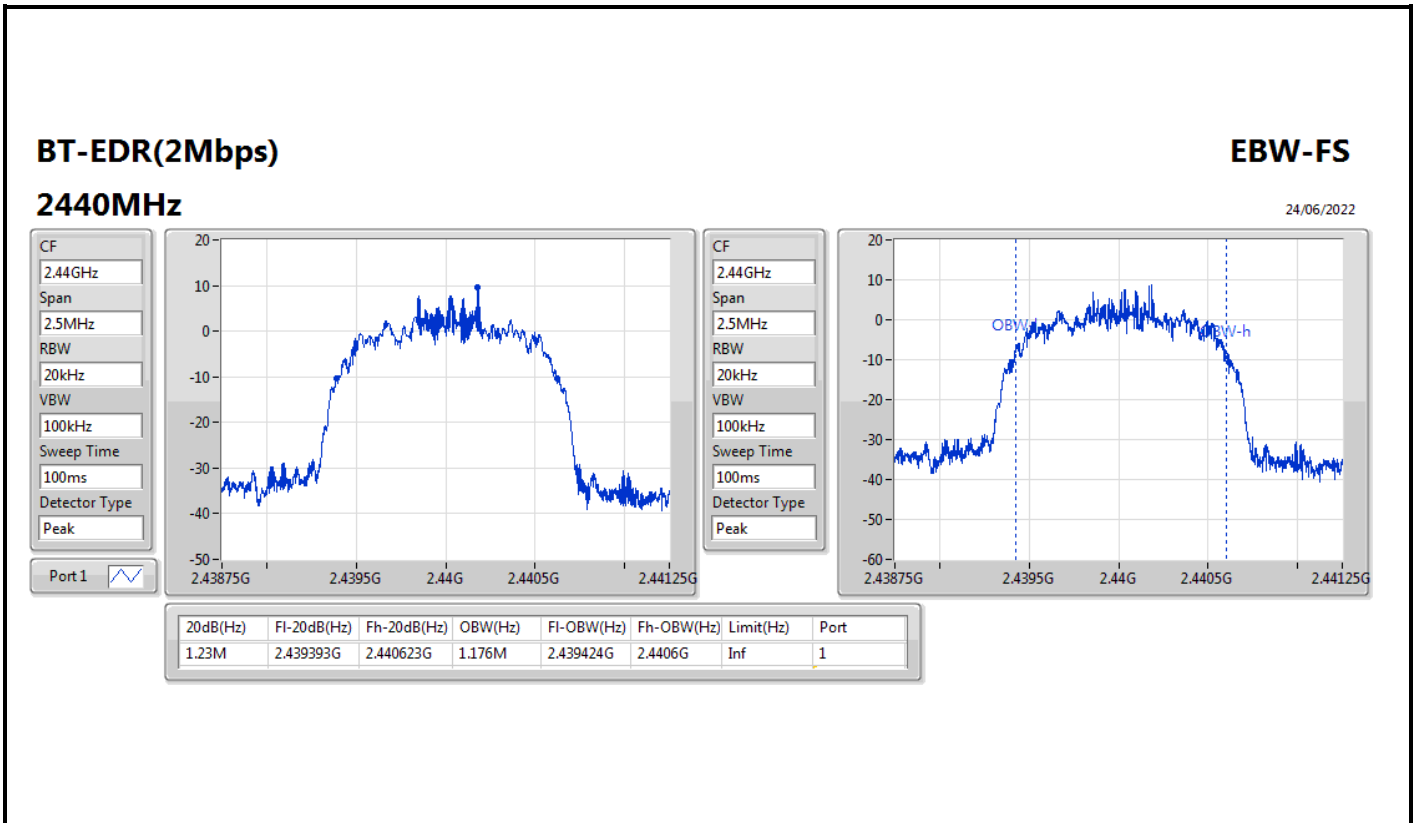
Result

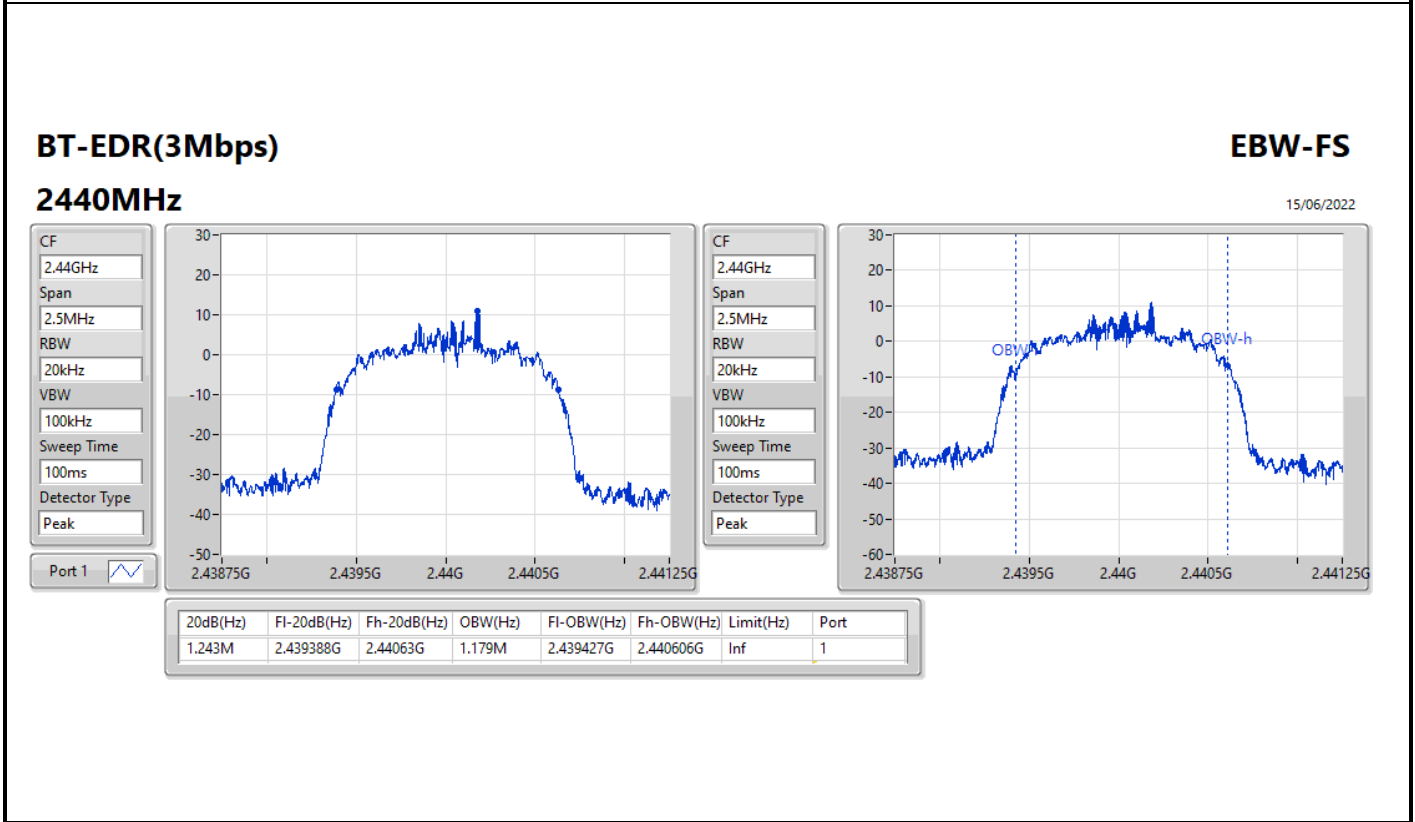
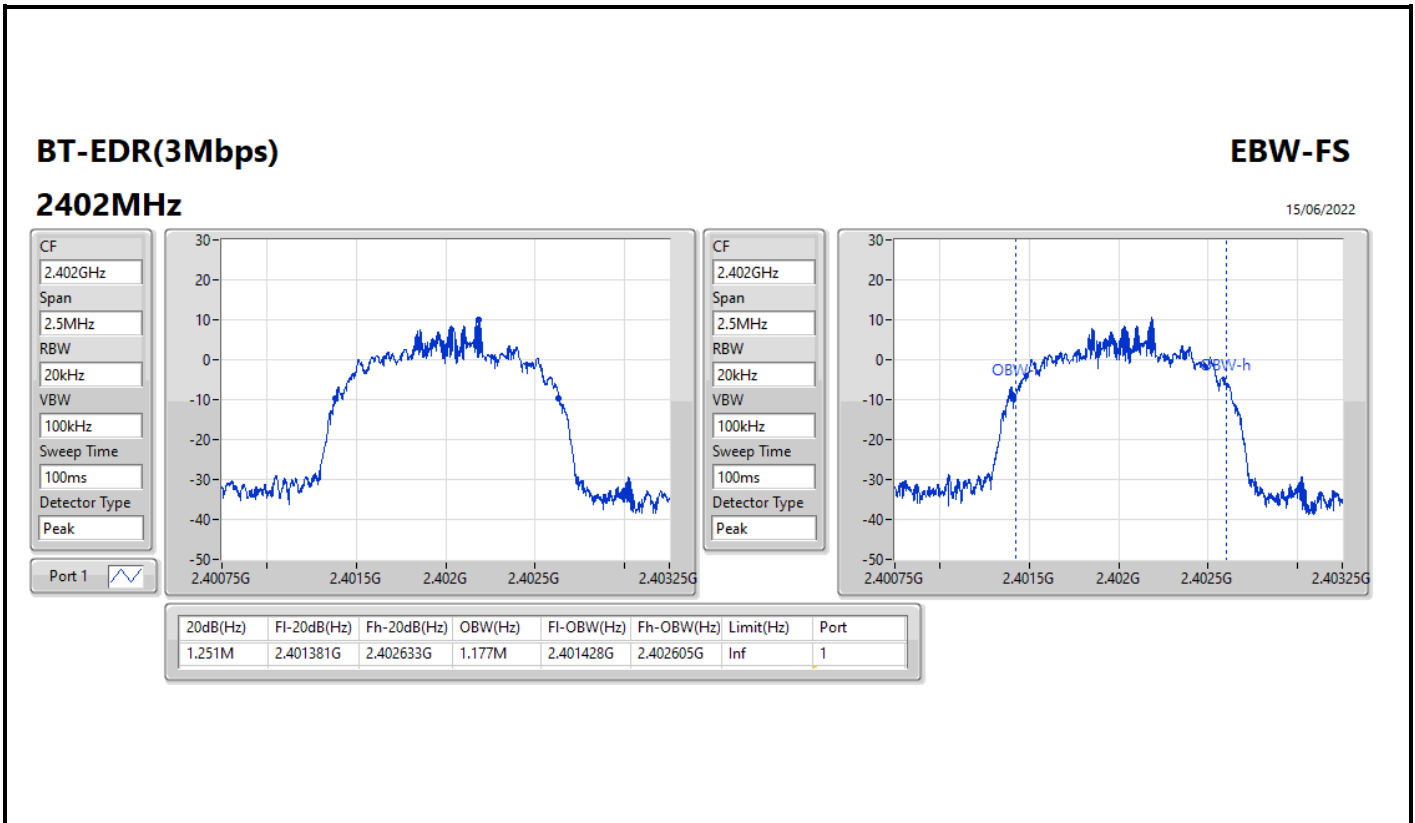
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	727.5k	718.391k
2440MHz	Pass	Inf	725k	718.391k
2480MHz	Pass	Inf	725k	723.388k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.28M	1.176M
2440MHz	Pass	Inf	1.23M	1.176M
2480MHz	Pass	Inf	1.225M	1.172M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.251M	1.177M
2440MHz	Pass	Inf	1.243M	1.179M
2480MHz	Pass	Inf	1.241M	1.179M

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







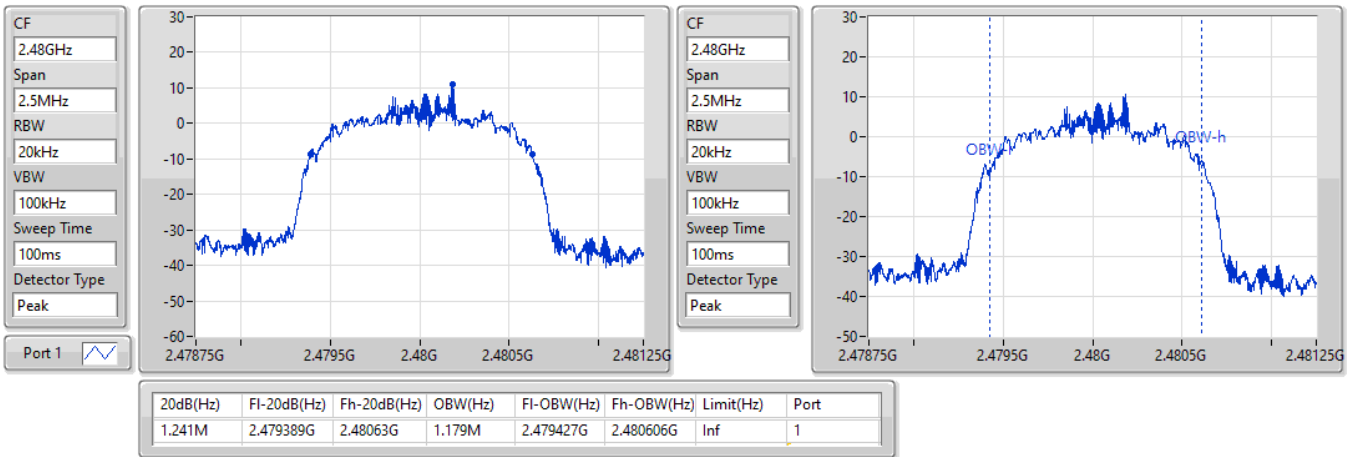


BT-EDR(3Mbps)

2480MHz

EBW-FS

15/06/2022





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.0005M	1.0005M
BT-EDR(2Mbps)	1.002M	1.0005M
BT-EDR(3Mbps)	1.002M	997.5k



Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.401857G	2.402857G	1.0005M	484.515k
2440MHz	Pass	2.439857G	2.440857G	1.0005M	482.85k
2480MHz	Pass	2.478857G	2.479857G	1.0005M	482.85k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402179G	2.40318G	1.0005M	852.48k
2440MHz	Pass	2.440179G	2.44118G	1.0005M	819.18k
2480MHz	Pass	2.479179G	2.480181G	1.002M	815.85k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402179G	2.40318G	1.0005M	833.166k
2440MHz	Pass	2.440182G	2.44118G	997.5k	827.838k
2480MHz	Pass	2.479179G	2.480181G	1.002M	826.506k

BT-BR(1Mbps)

Channel Separation-FS

2.402G/2.403GHz

15/06/2022



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.401857G	2.402857G	1.0005M	484.515k

BT-BR(1Mbps)

Channel Separation-FS

2.44G/2.441GHz

15/06/2022



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.439857G	2.440857G	1.0005M	482.85k


BT-BR(1Mbps)

2.48G/2.479GHz

Channel Separation-FS

15/06/2022



Port 1 

Ch Freq
2.48G/2.479G

Span
3MHz

RBW
30kHz

VBW
100kHz

Sweep
100ms

Detector
Peak

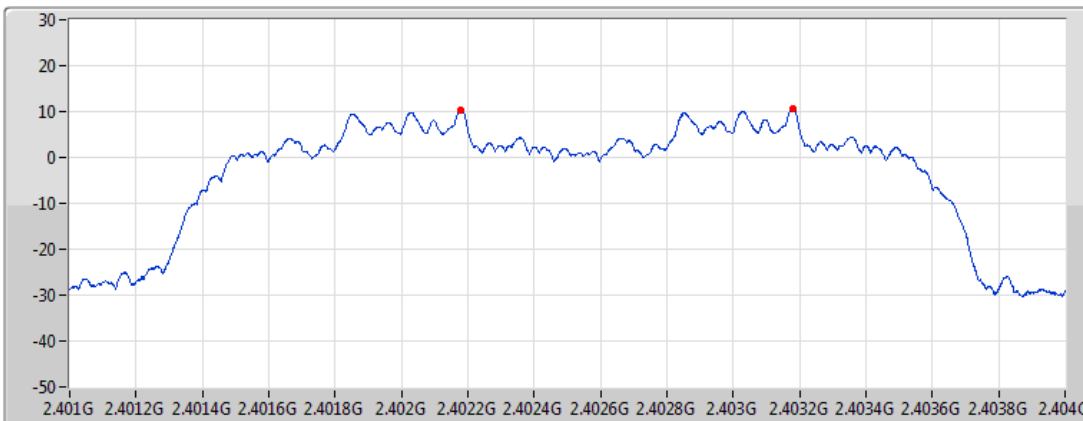
F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478857G	2.479857G	1.0005M	482.85k


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation-FS

24/06/2022



Port 1 

Ch Freq
2.402G/2.403G

Span
3MHz

RBW
30kHz

VBW
100kHz

Sweep
100ms

Detector
Peak

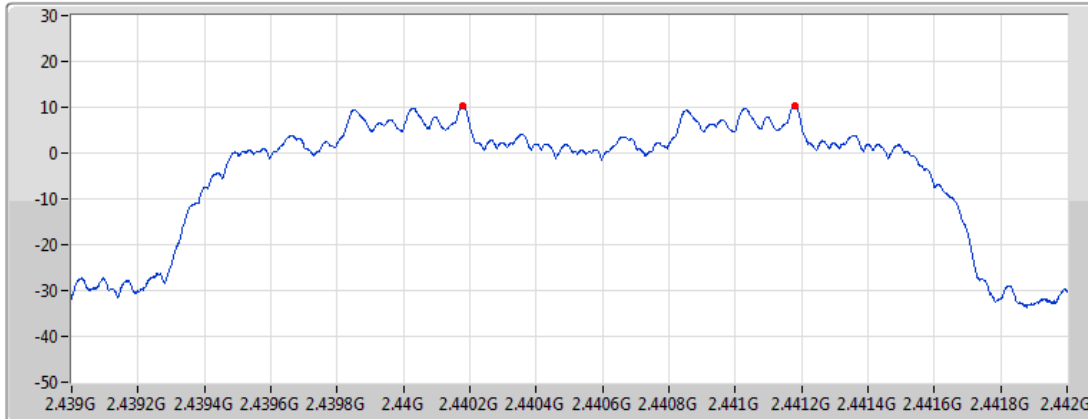
F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402179G	2.40318G	1.0005M	852.48k


BT-EDR(2Mbps)

Channel Separation-FS

2.44G/2.441GHz

24/06/2022



Port 1 

Ch Freq
2.44G/2.441G

Span
3MHz

RBW
30kHz

VBW
100kHz

Sweep
100ms

Detector
Peak

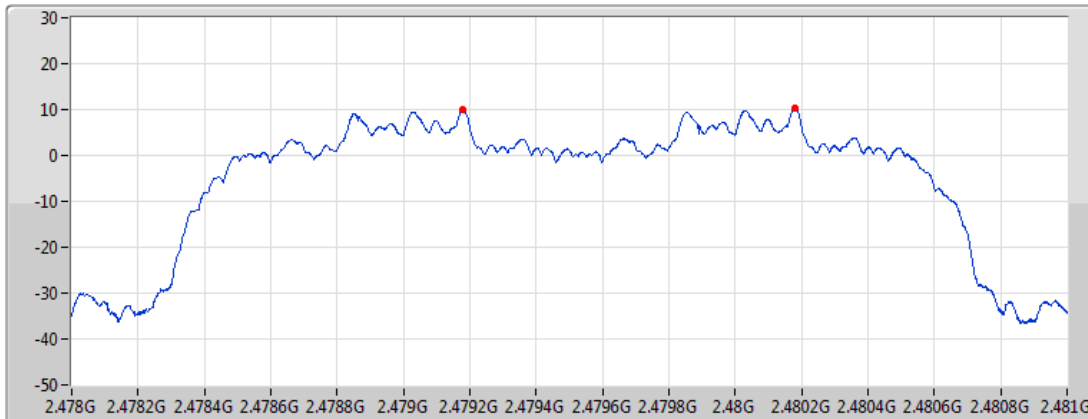
F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440179G	2.44118G	1.0005M	819.18k


BT-EDR(2Mbps)

Channel Separation-FS

2.48G/2.479GHz

24/06/2022



Port 1 

Ch Freq
2.48G/2.479G

Span
3MHz

RBW
30kHz

VBW
100kHz

Sweep
100ms

Detector
Peak

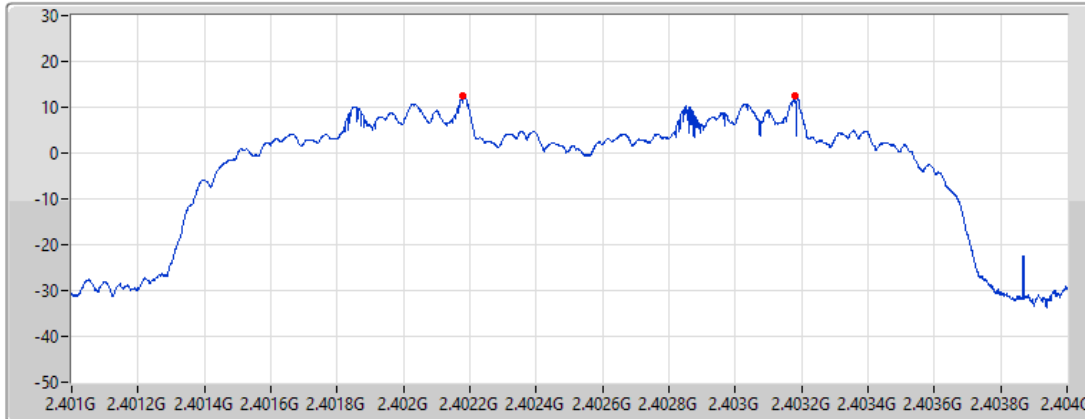
F1(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479179G	2.480181G	1.002M	815.85k


BT-EDR(3Mbps)

Channel Separation-FS

2.402G/2.403GHz

15/06/2022



Port 1 

Ch Freq
2.402G/2.403G

Span
3MHz

RBW
30kHz

VBW
100kHz

Sweep
100ms

Detector
Peak

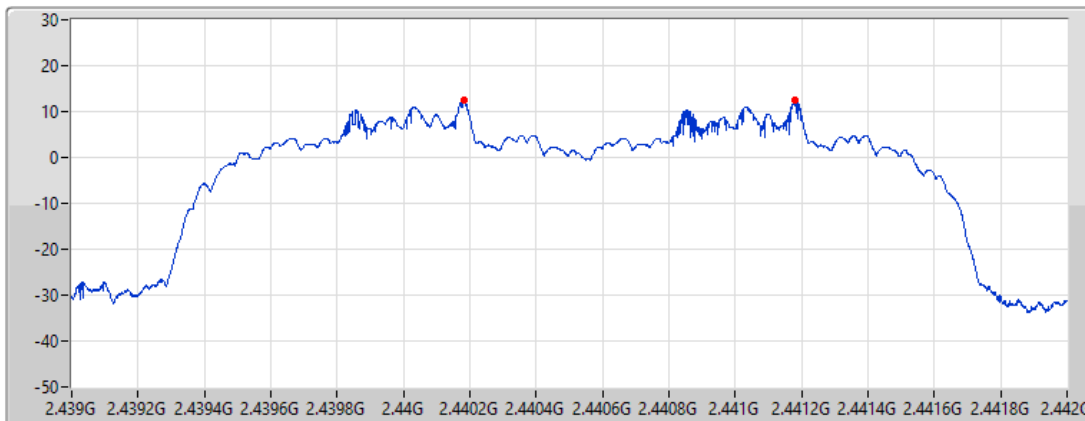
Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402179G	2.40318G	1.0005M	833.166k


BT-EDR(3Mbps)

Channel Separation-FS

2.44G/2.441GHz

15/06/2022



Port 1 

Ch Freq
2.44G/2.441G

Span
3MHz

RBW
30kHz

VBW
100kHz

Sweep
100ms

Detector
Peak

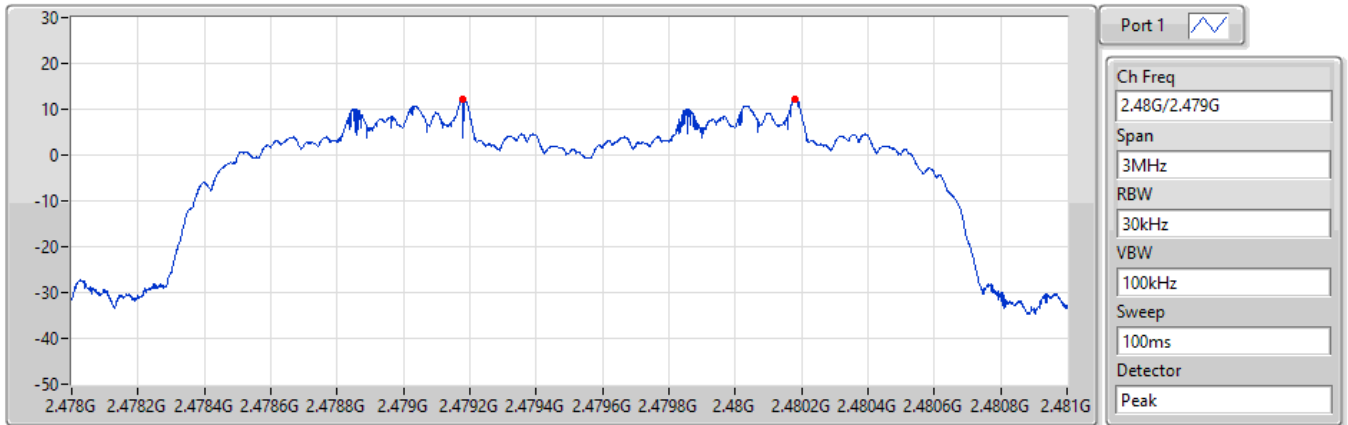
Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.440182G	2.44118G	997.5k	827.838k


BT-EDR(3Mbps)

2.48G/2.479GHz

Channel Separation-FS

15/06/2022



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)
2.479179G	2.480181G	1.002M	826.506k



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	15.21	0.03319
BT-EDR(2Mbps)	14.76	0.02992
BT-EDR(3Mbps)	15.26	0.03357

Note: IF DC<0.98, the DCF was added while measuring. The DCF please refer to section 1.1.4.



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	4.35	15.21	21.00
2440MHz	Pass	4.35	15.13	21.00
2480MHz	Pass	4.35	14.89	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	4.35	14.76	21.00
2440MHz	Pass	4.35	14.38	21.00
2480MHz	Pass	4.35	14.45	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	4.35	15.14	21.00
2440MHz	Pass	4.35	15.26	21.00
2480MHz	Pass	4.35	15.03	21.00

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



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	14.39	0.02748
BT-EDR(2Mbps)	12.38	0.01730
BT-EDR(3Mbps)	11.99	0.01581

Note: IF DC<0.98, the DCF was added while measuring. The DCF please refer to section 1.1.4.



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	4.35	14.39	21.00
2440MHz	Pass	4.35	14.32	21.00
2480MHz	Pass	4.35	14.20	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	4.35	12.38	21.00
2440MHz	Pass	4.35	11.86	21.00
2480MHz	Pass	4.35	11.91	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	4.35	11.99	21.00
2440MHz	Pass	4.35	11.97	21.00
2480MHz	Pass	4.35	11.87	21.00

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



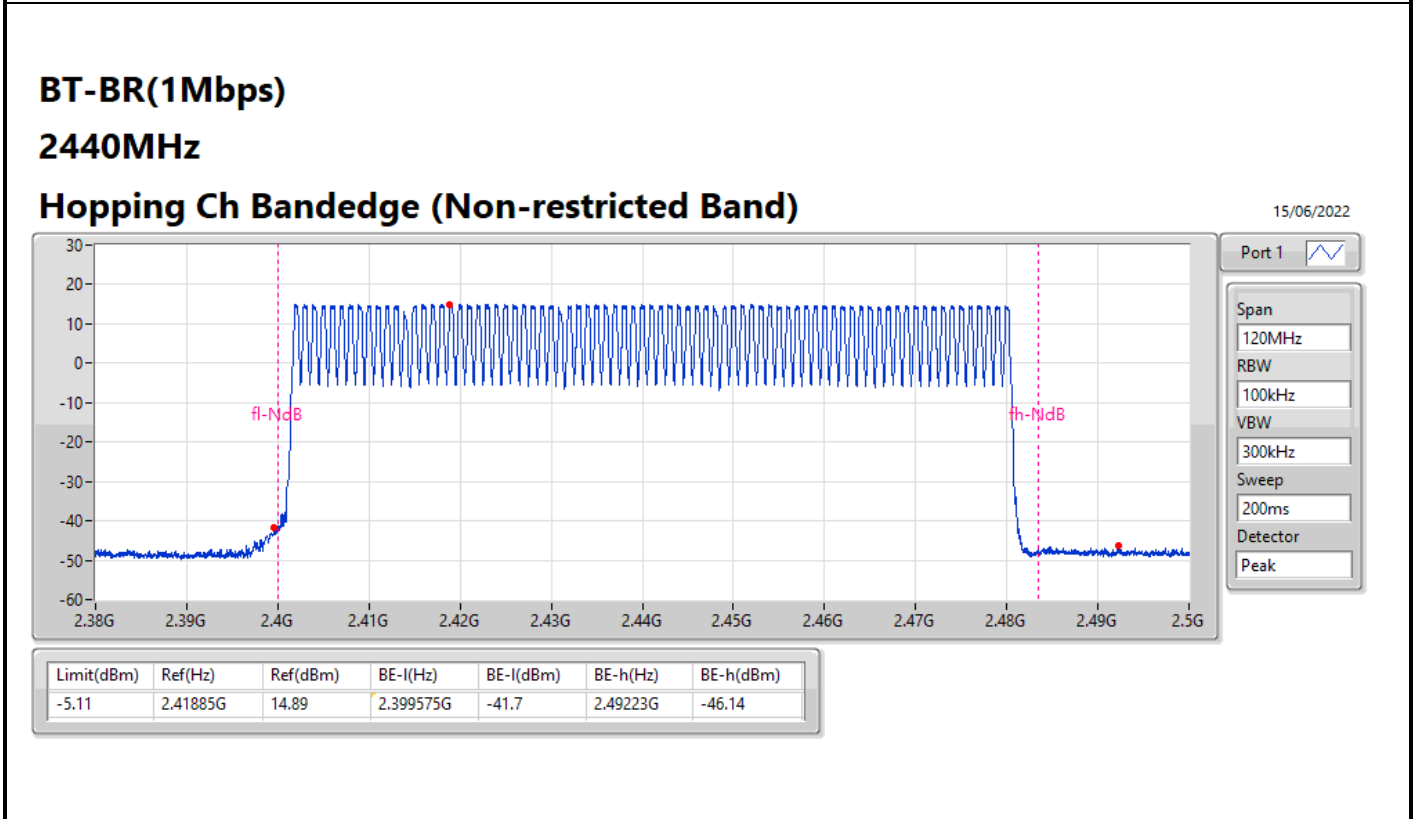
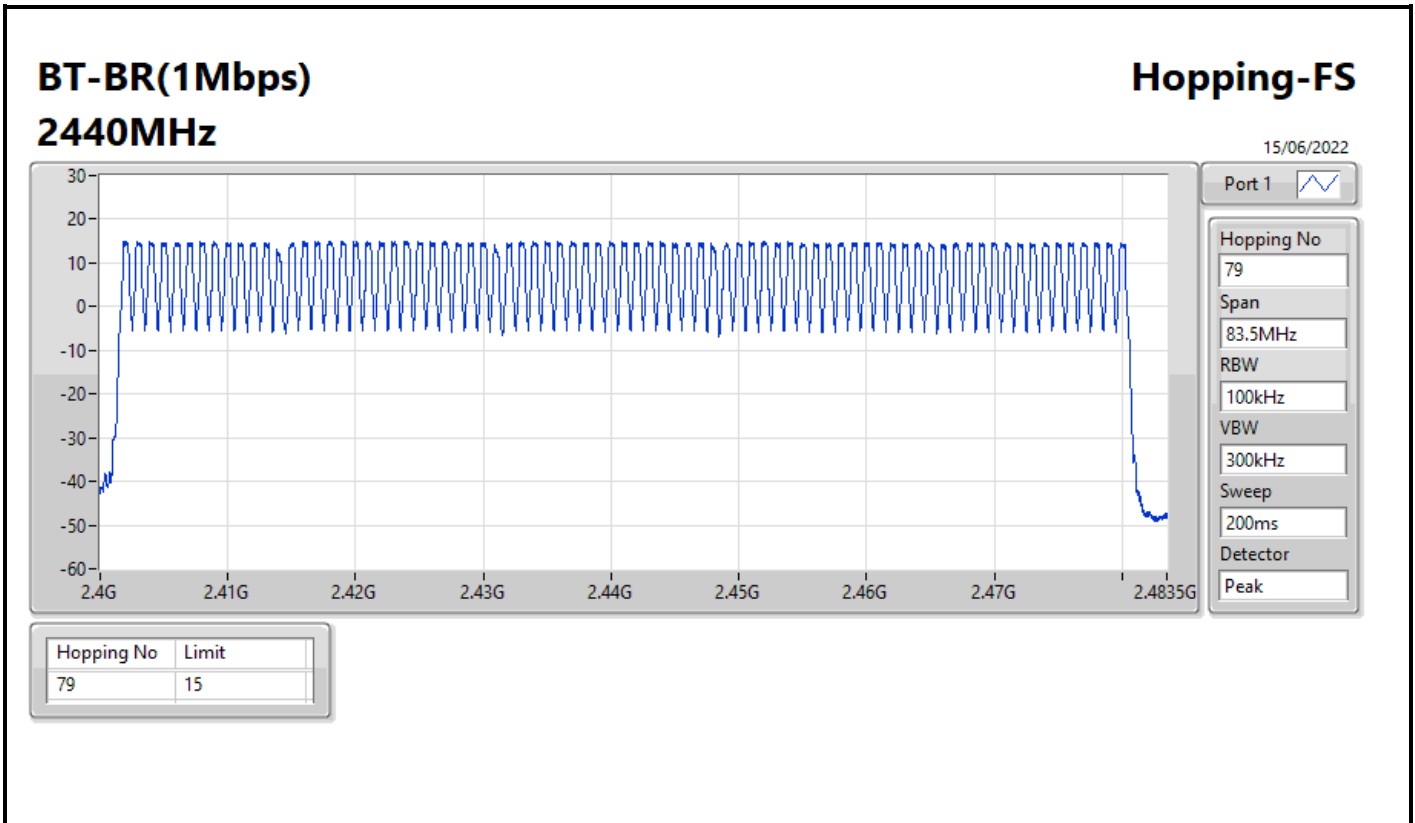
Summary

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



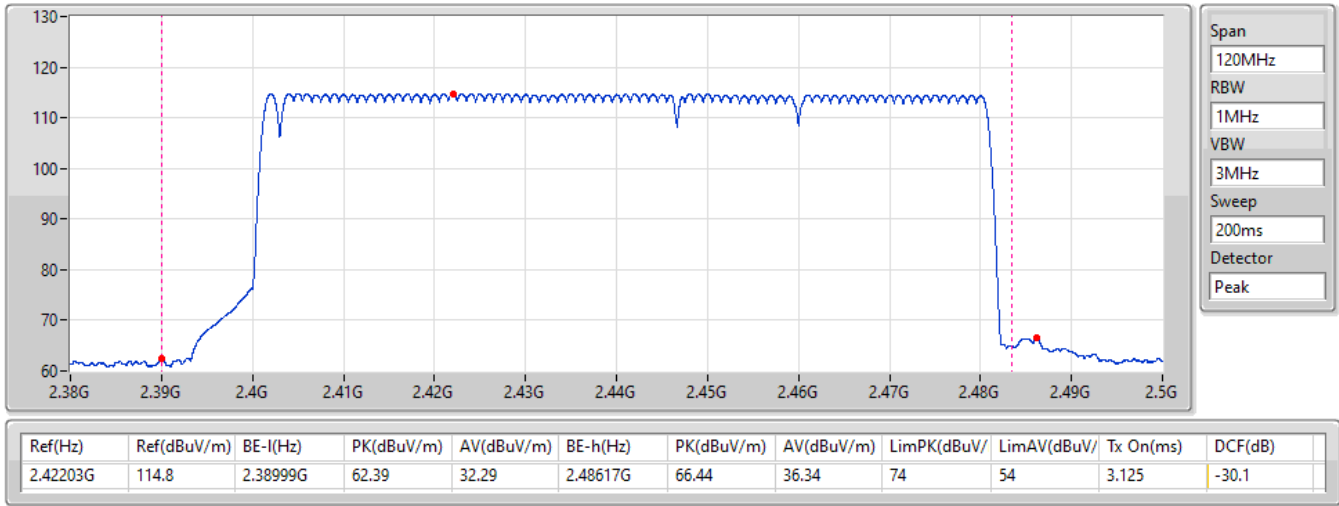
Result

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



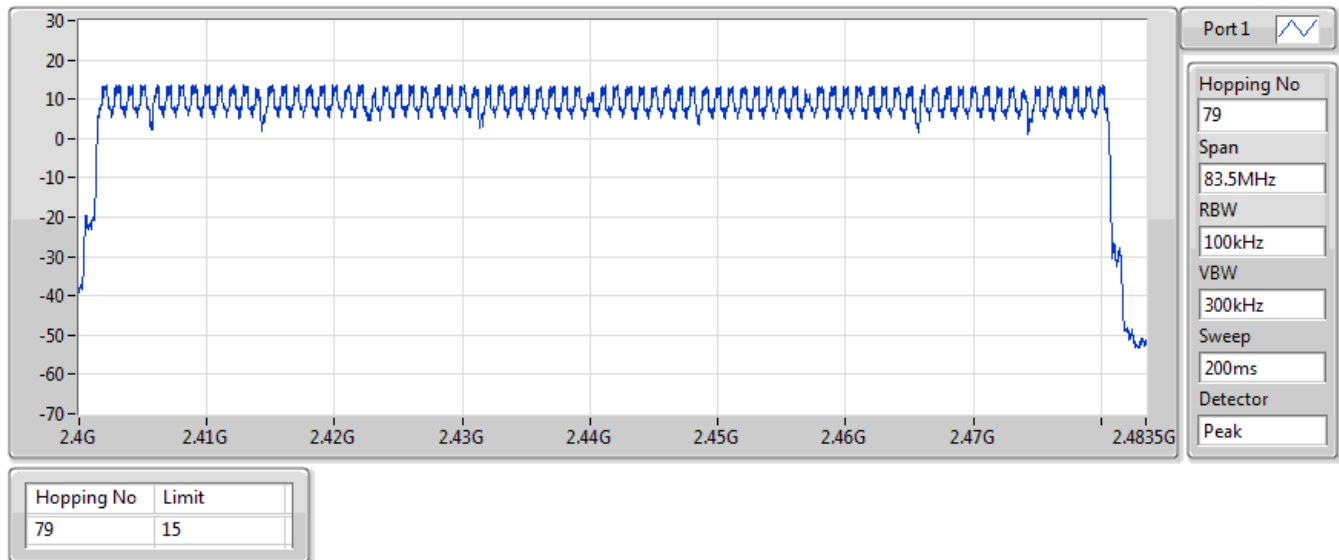
BT-BR(1Mbps)
2440MHz
Hopping Ch Bandedge (Restricted Band)

15/06/2022



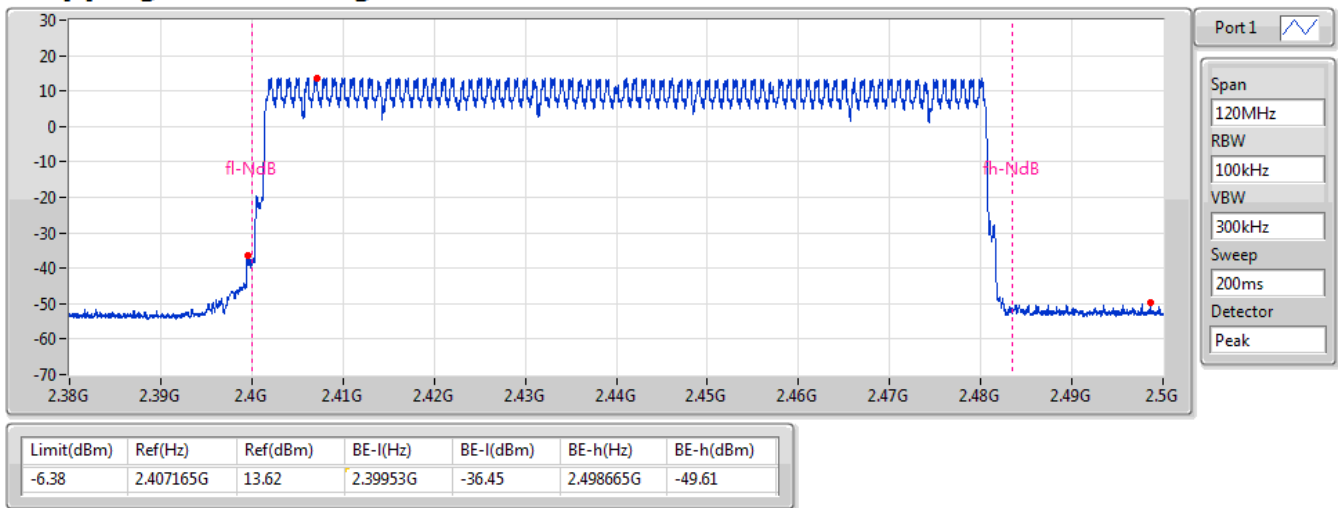
BT-EDR(2Mbps) **Hopping-FS**
2440MHz

24/06/2022



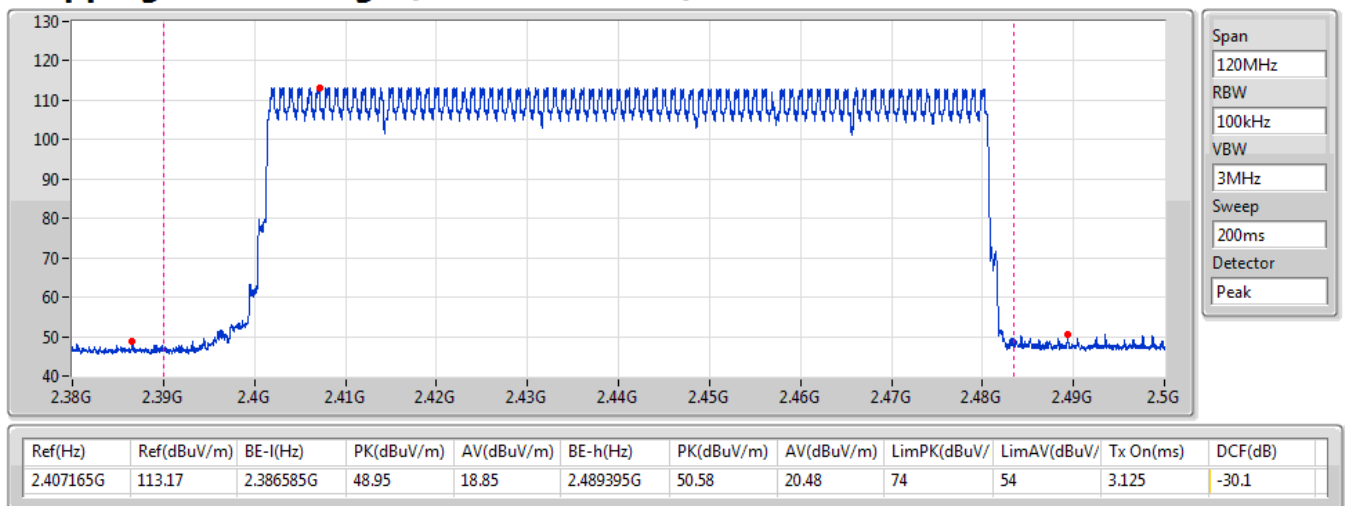
BT-EDR(2Mbps) 2440MHz Hopping Ch Bandedge (Non-restricted Band)

24/06/2022



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

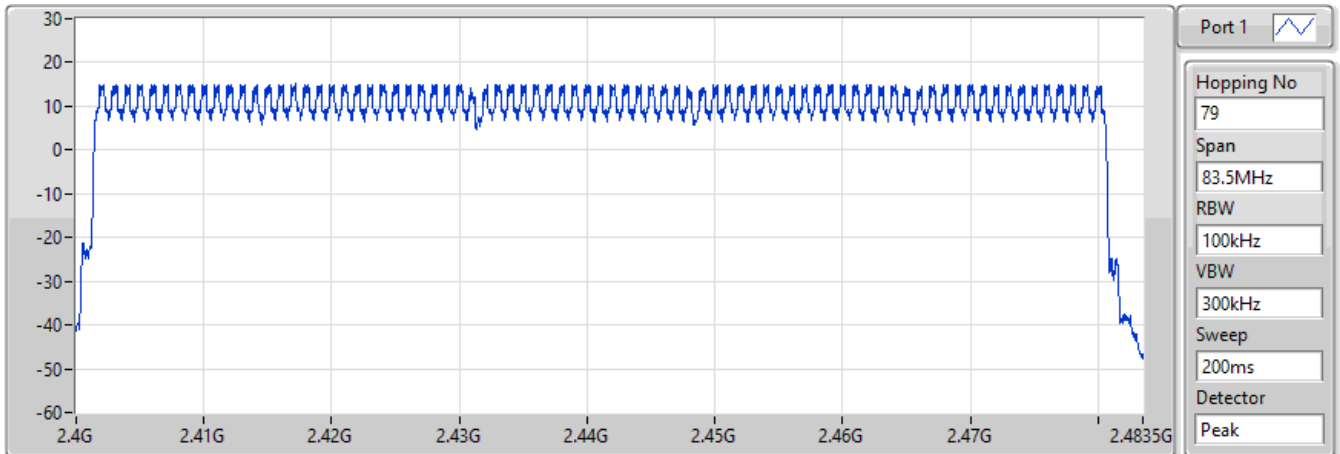
24/06/2022



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

Hopping-FS

15/06/2022

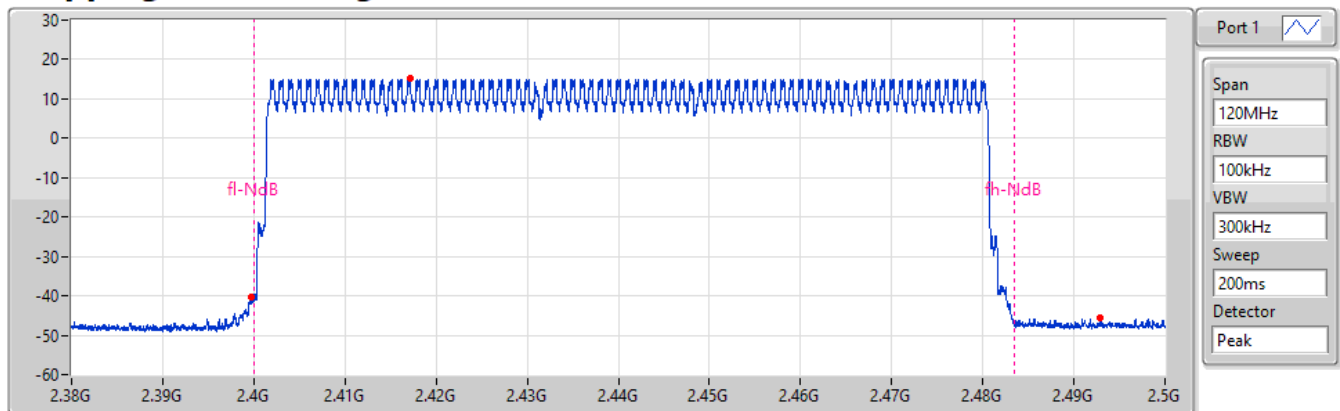


Hopping No	Limit
79	15

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

Hopping Ch Bandedge (Non-restricted Band)

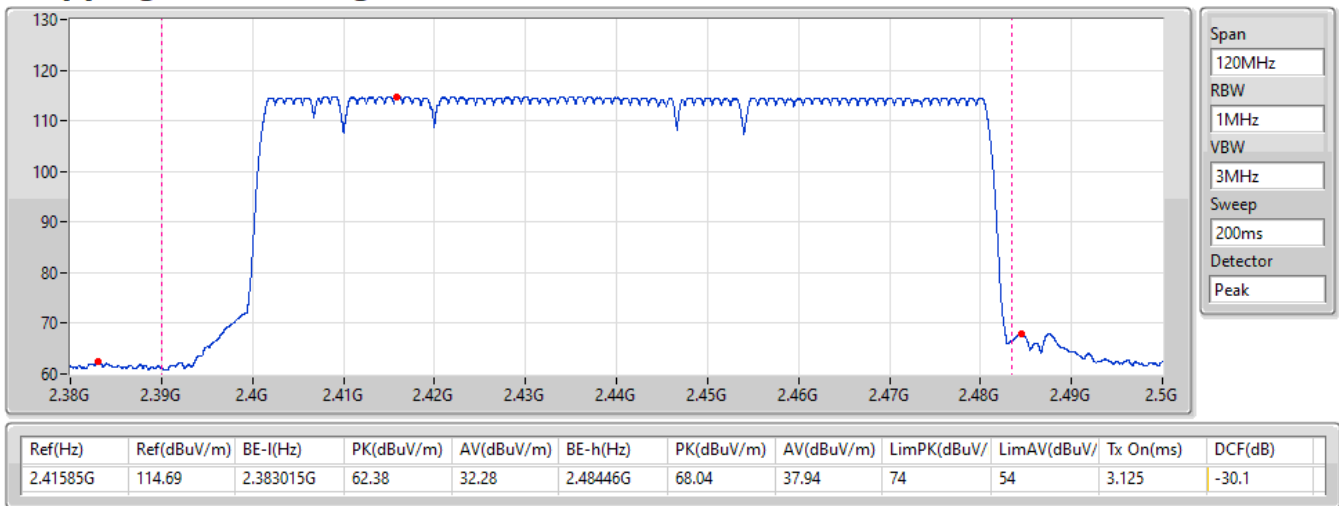
15/06/2022



Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-4.91	2.41717G	15.09	2.399665G	-40.39	2.49289G	-45.75

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

15/06/2022





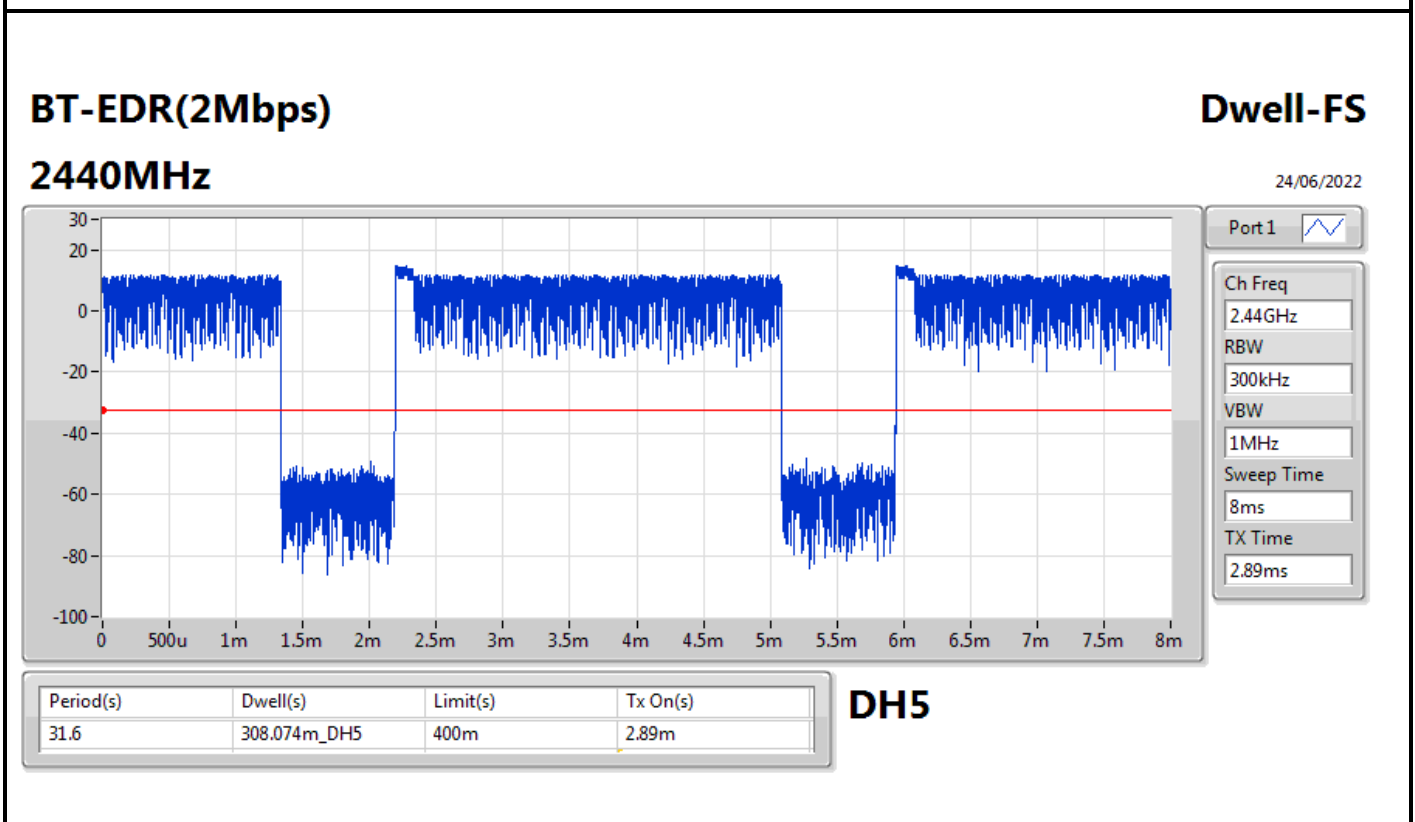
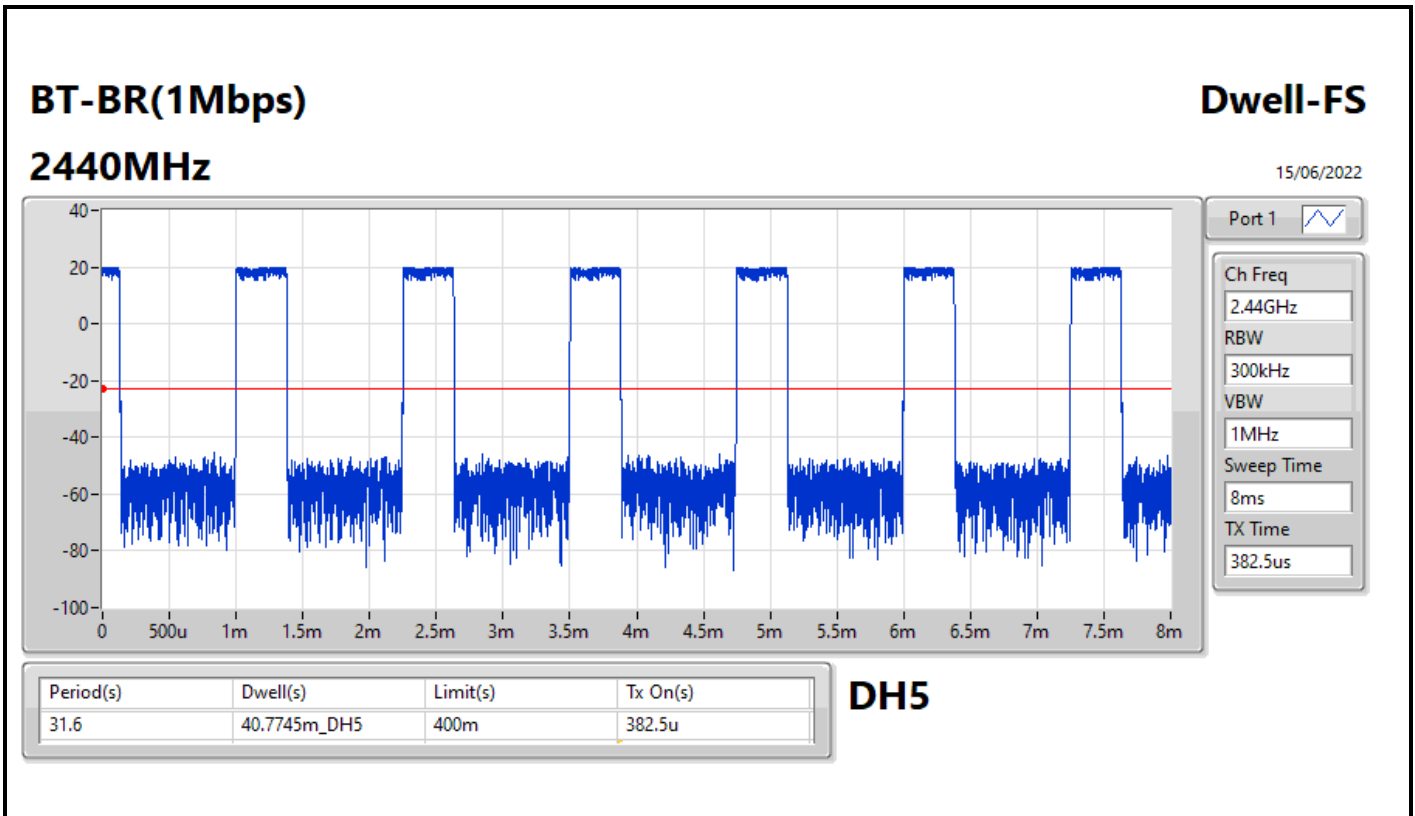
Summary

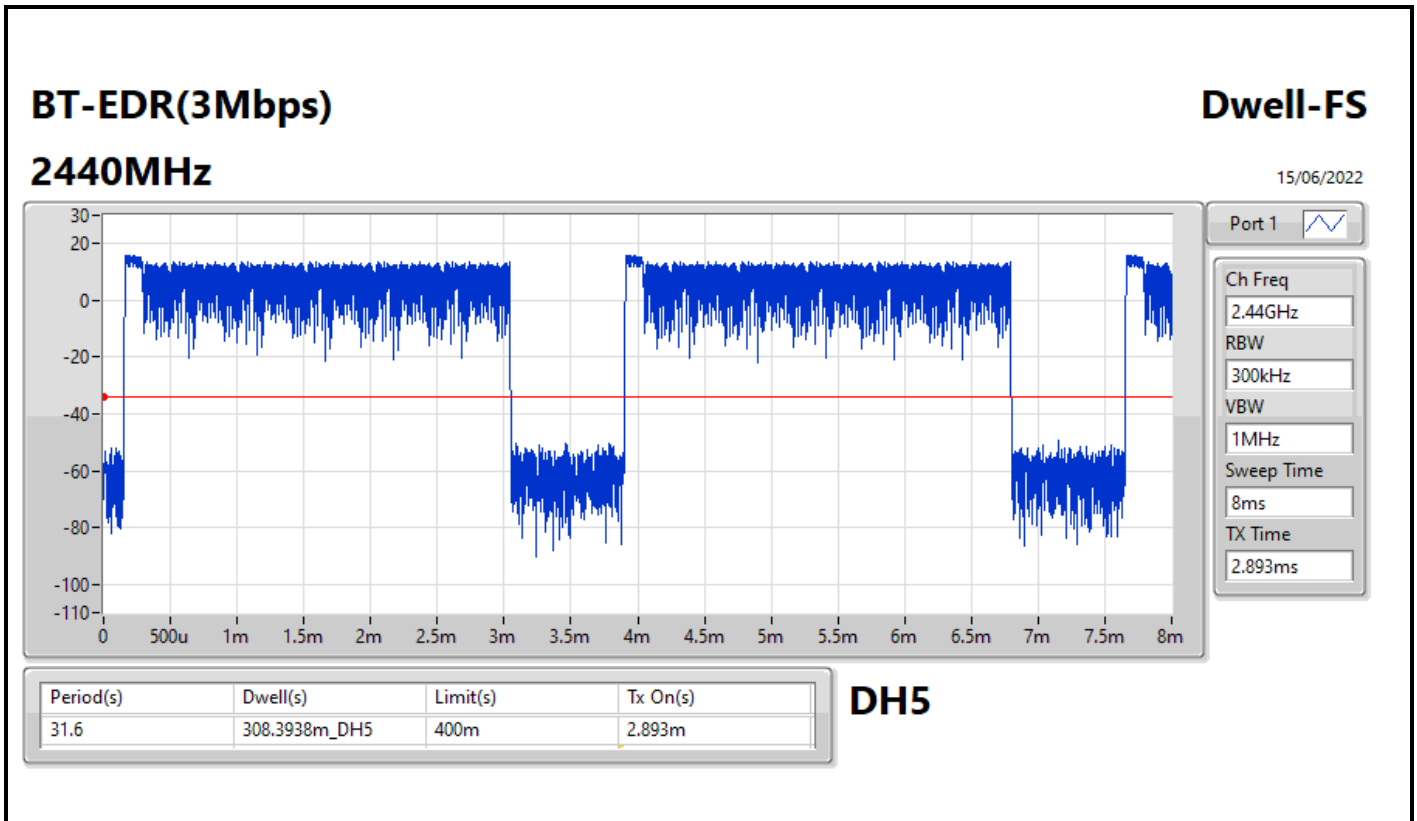
Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	40.7745m_DH5
BT-EDR(2Mbps)	308.074m_DH5
BT-EDR(3Mbps)	308.3938m_DH5



Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	40.7745m_DH5	400m	382.5u
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.074m_DH5	400m	2.89m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.3938m_DH5	400m	2.893m





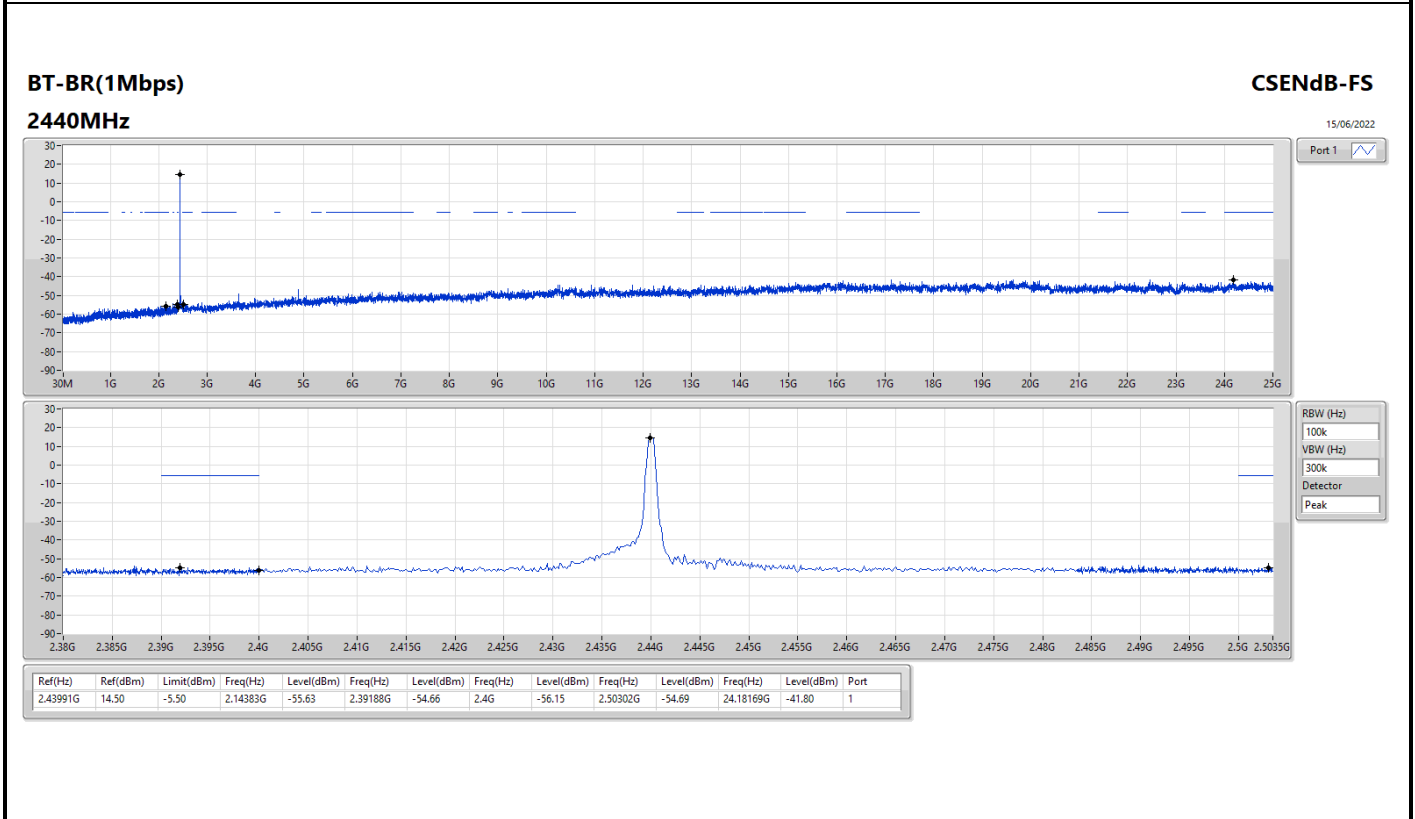
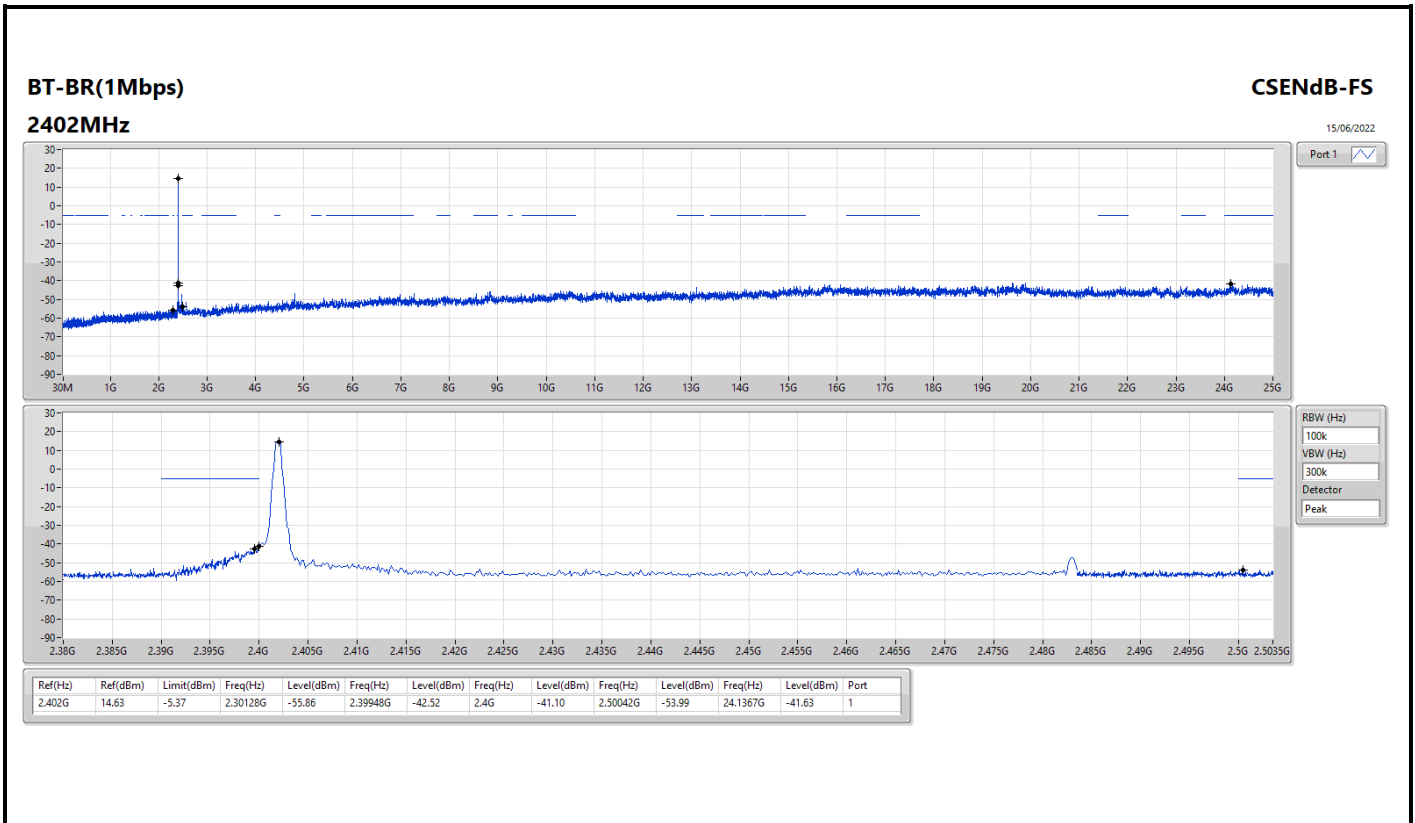


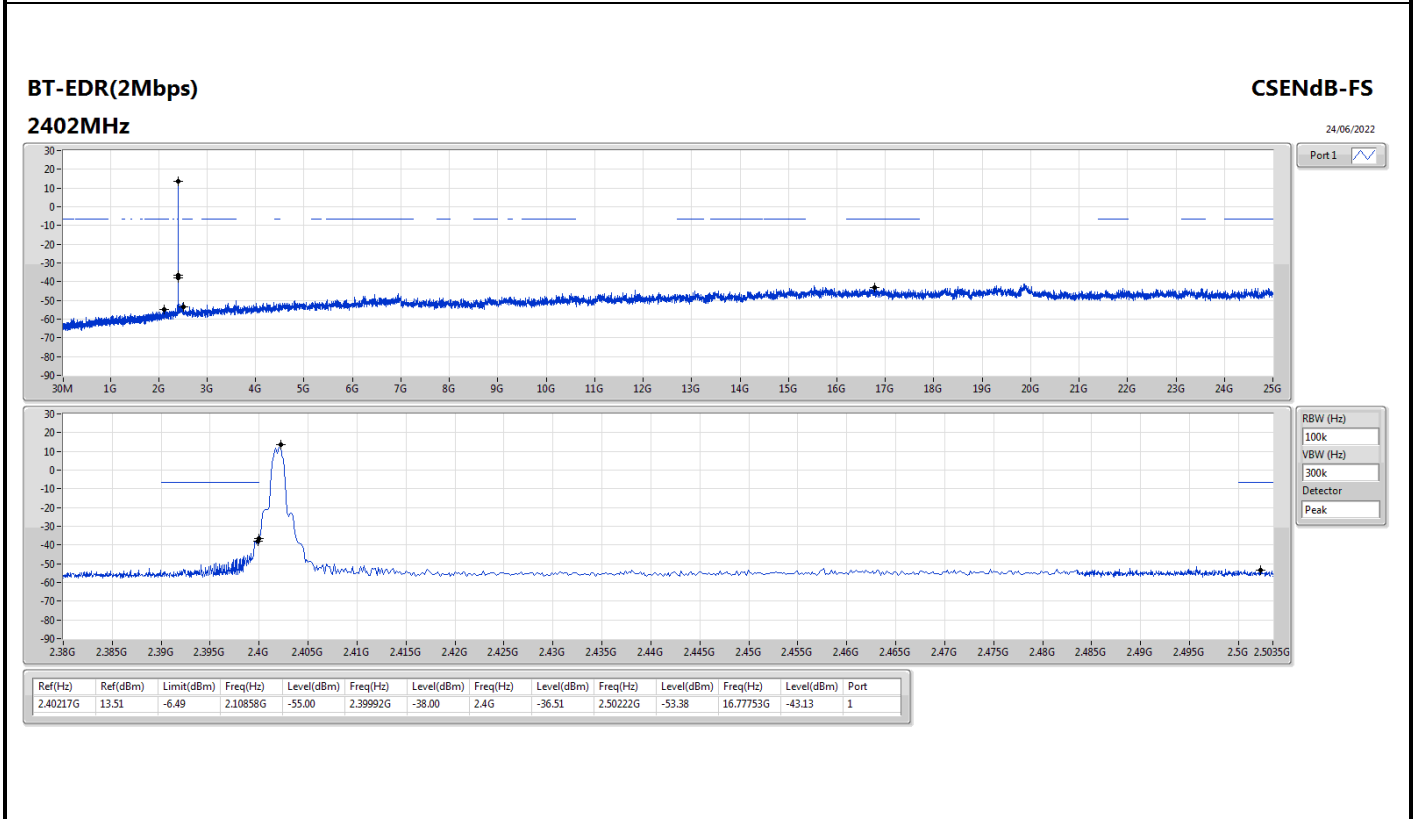
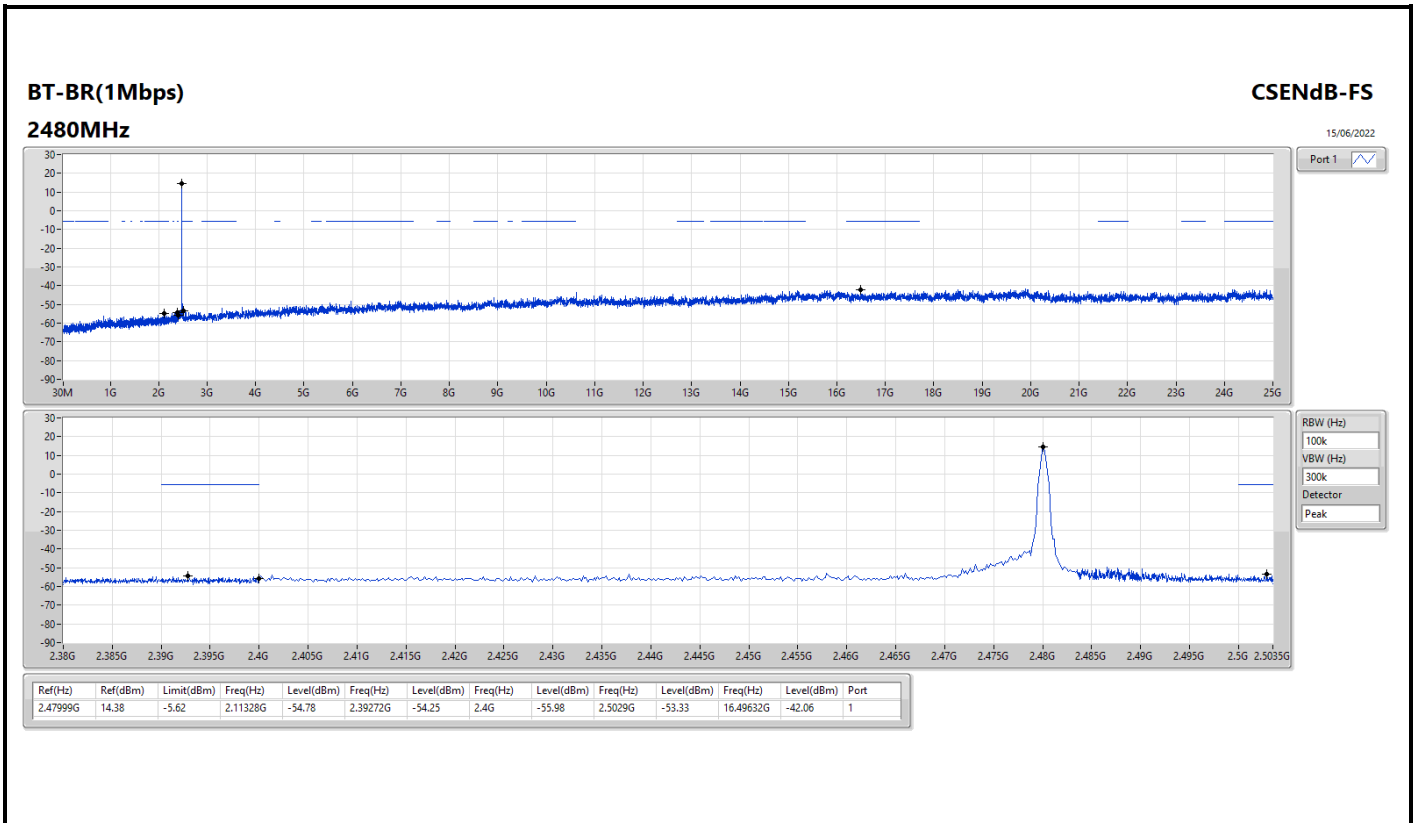
Summary

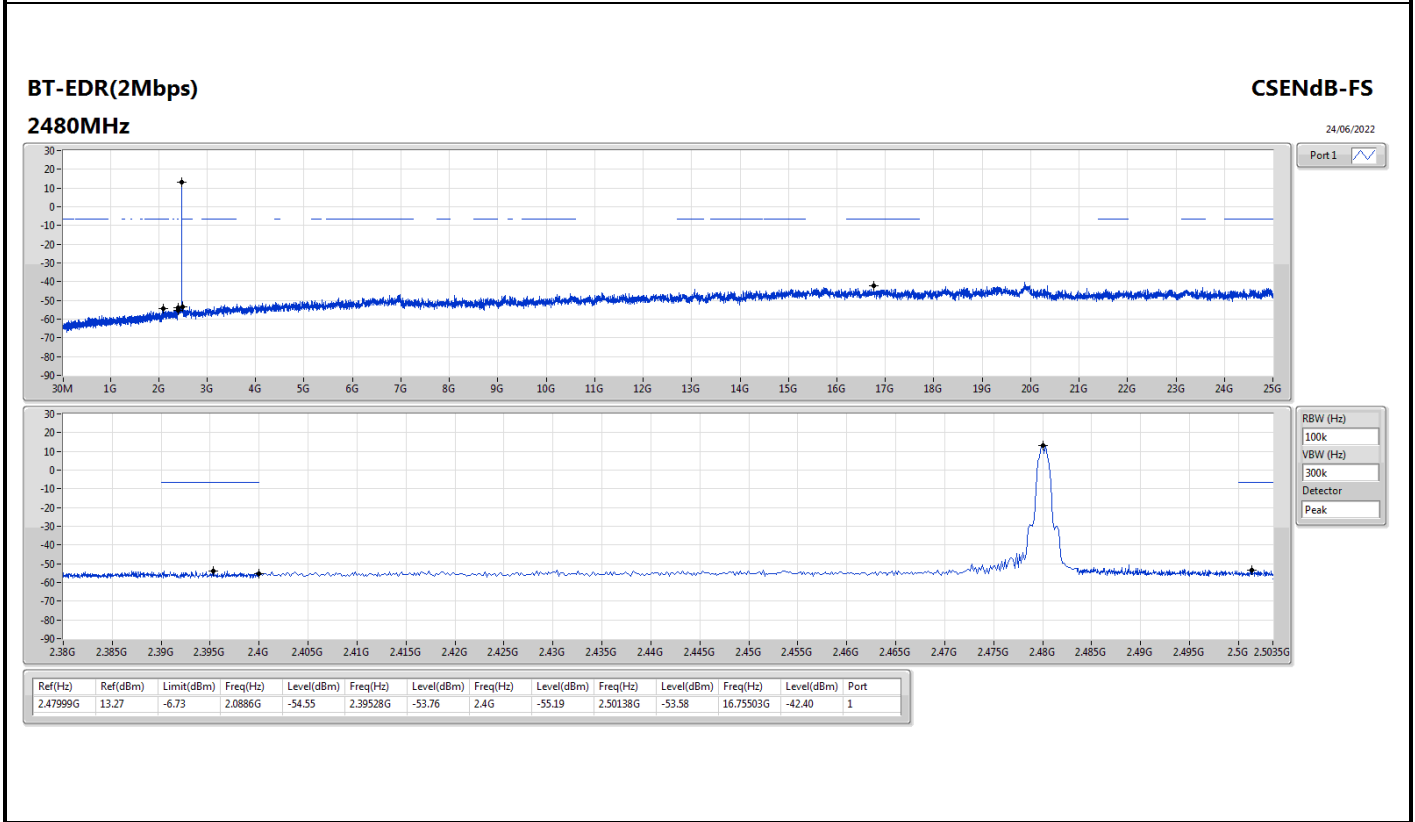
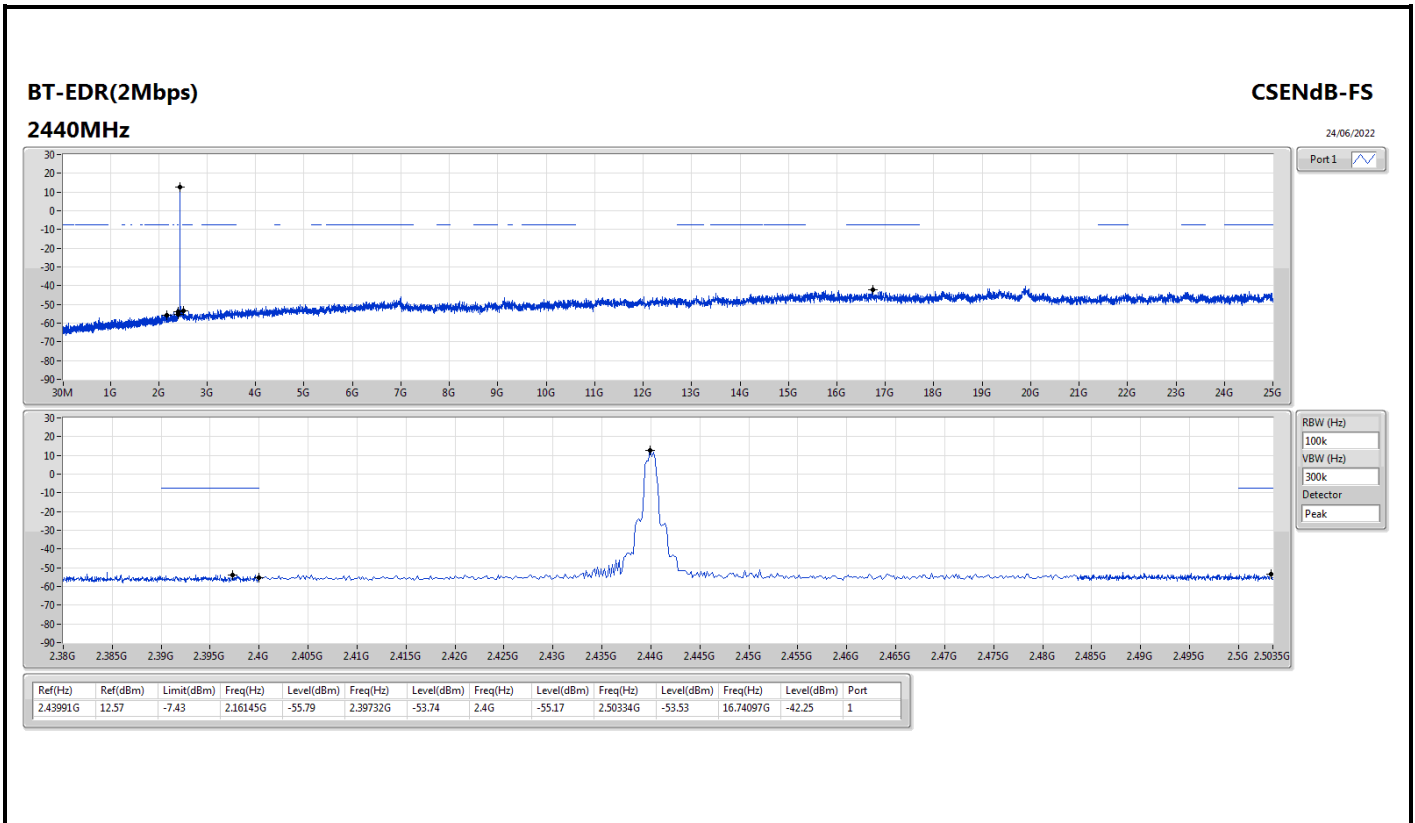
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.402G	14.63	-5.37	2.30128G	-55.86	2.39948G	-42.52	2.4G	-41.1	2.50042G	-53.99	24.1367G	-41.63	1
BT-EDR(2Mbps)	Pass	2.40217G	13.51	-6.49	2.10858G	-55.00	2.39992G	-38.00	2.4G	-36.51	2.50222G	-53.38	16.77753G	-43.13	1
BT-EDR(3Mbps)	Pass	2.402G	13.83	-6.17	2.11328G	-55.69	2.39968G	-41.73	2.4G	-41.25	2.50314G	-54.32	24.14232G	-41.78	1

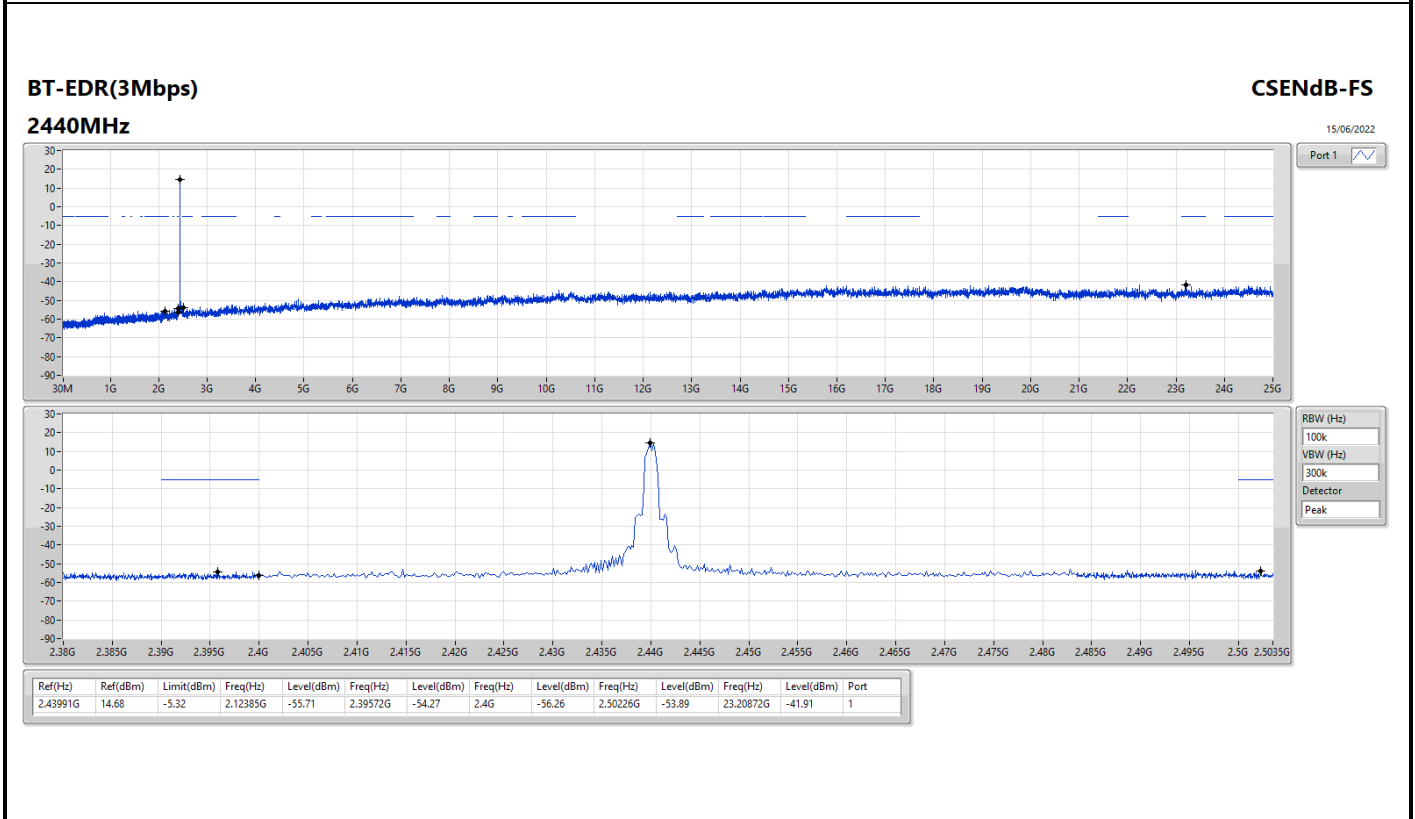
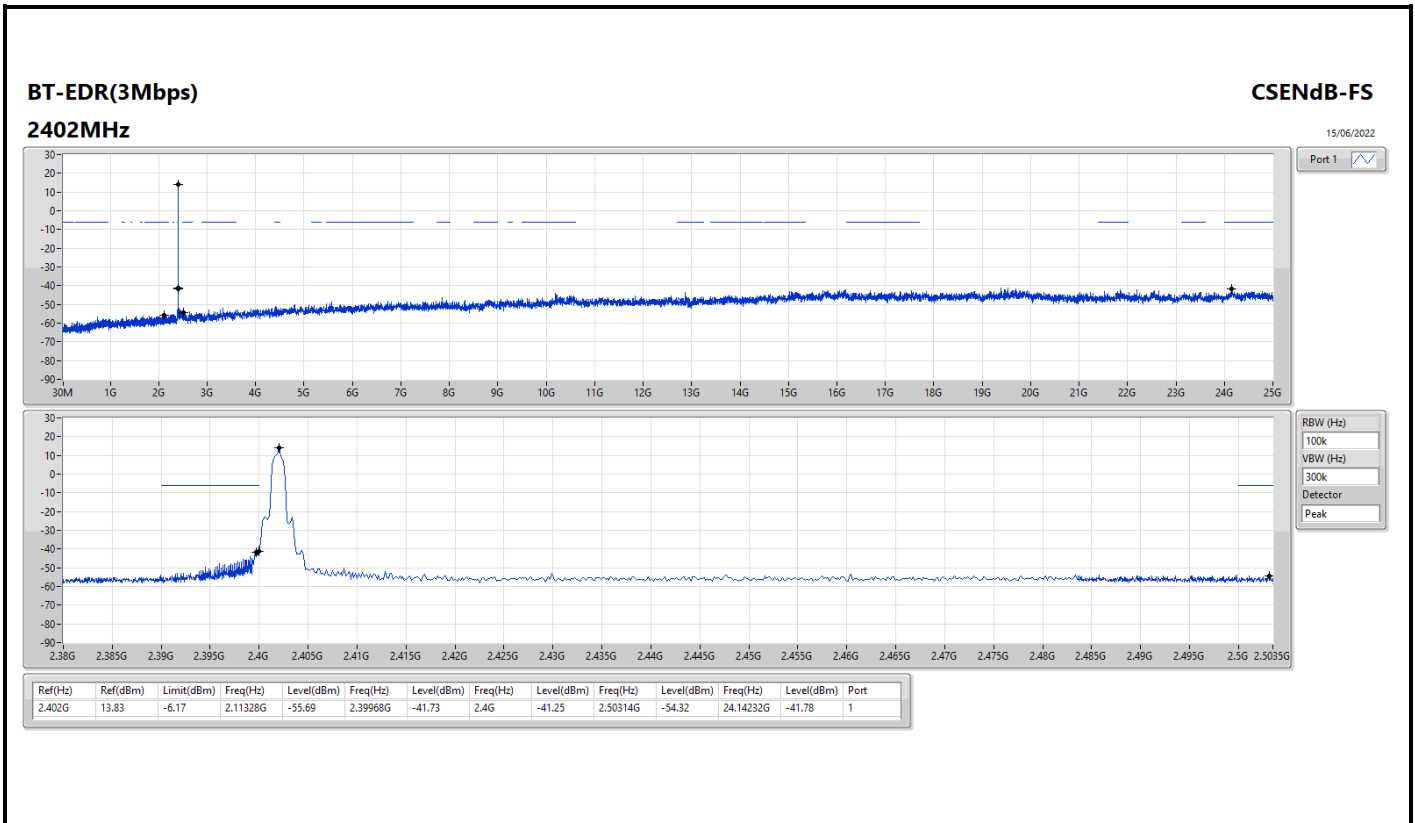
Result

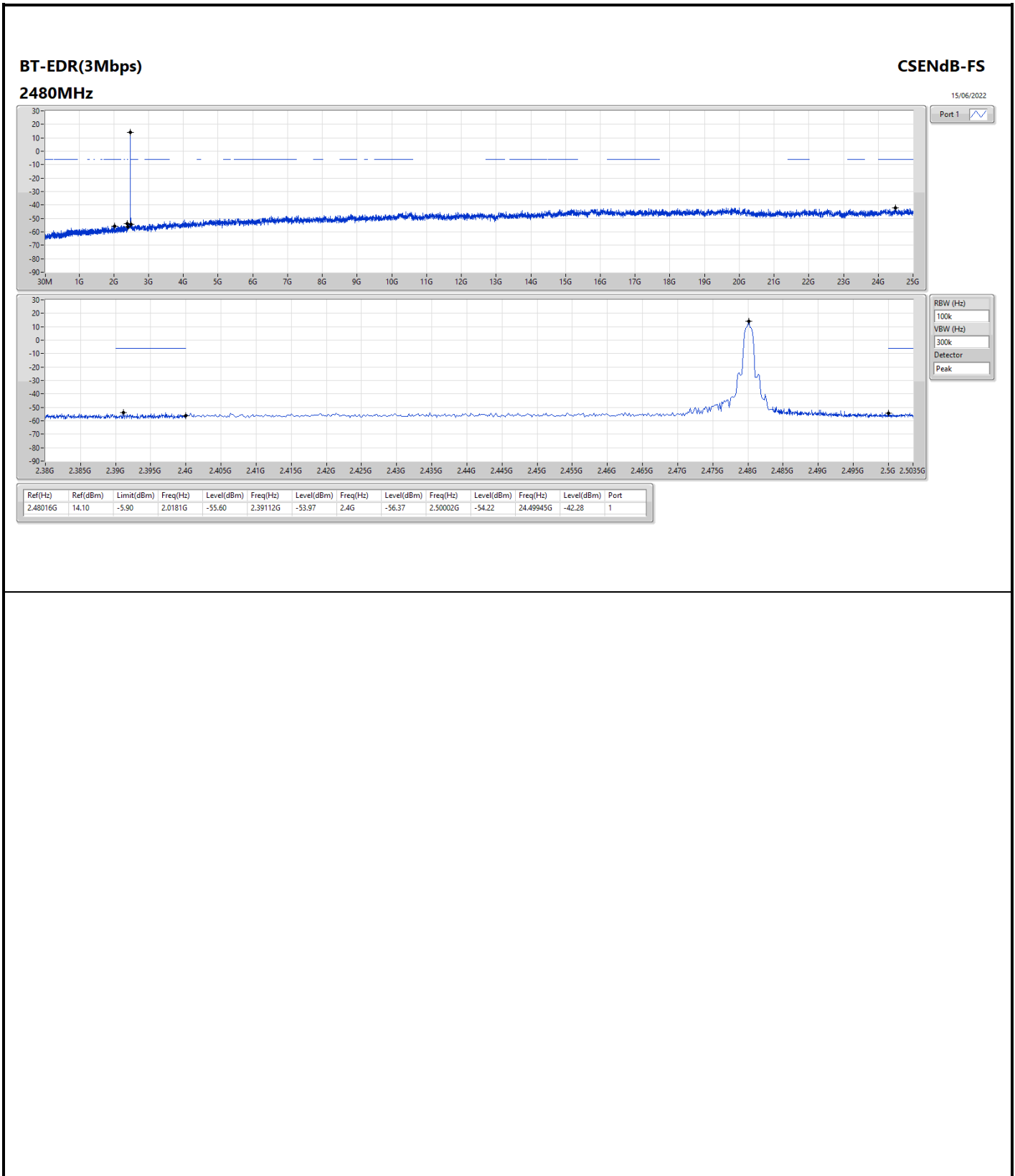
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	14.63	-5.37	2.30128G	-55.86	2.39948G	-42.52	2.4G	-41.1	2.50042G	-53.99	24.1367G	-41.63	1
2440MHz	Pass	2.43991G	14.5	-5.5	2.14383G	-55.63	2.39188G	-54.66	2.4G	-56.15	2.50302G	-54.69	24.18169G	-41.8	1
2480MHz	Pass	2.47999G	14.38	-5.62	2.11328G	-54.78	2.39272G	-54.25	2.4G	-55.98	2.5029G	-53.33	16.49632G	-42.06	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40217G	13.51	-6.49	2.10858G	-55.00	2.39992G	-38.00	2.4G	-36.51	2.50222G	-53.38	16.77753G	-43.13	1
2440MHz	Pass	2.43991G	12.57	-7.43	2.16145G	-55.79	2.39732G	-53.74	2.4G	-55.17	2.50334G	-53.53	16.74097G	-42.25	1
2480MHz	Pass	2.47999G	13.27	-6.73	2.0886G	-54.55	2.39528G	-53.76	2.4G	-55.19	2.50138G	-53.58	16.75503G	-42.40	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	13.83	-6.17	2.11328G	-55.69	2.39968G	-41.73	2.4G	-41.25	2.50314G	-54.32	24.14232G	-41.78	1
2440MHz	Pass	2.43991G	14.68	-5.32	2.12385G	-55.71	2.39572G	-54.27	2.4G	-56.26	2.50226G	-53.89	23.20872G	-41.91	1
2480MHz	Pass	2.48016G	14.1	-5.9	2.0181G	-55.6	2.39112G	-53.97	2.4G	-56.37	2.50002G	-54.22	24.49945G	-42.28	1













Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	30M	29.14	40.00	-10.86	3	Vertical	360	1.00	-

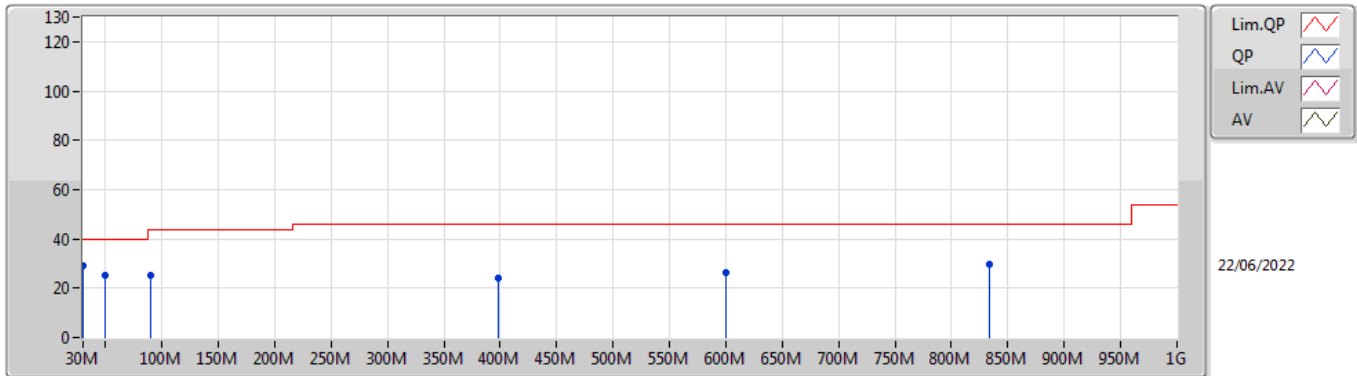


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	30M	29.14	40.00	-10.86	3	Vertical	360	1.00	-
2440MHz	Pass	PK	49.4M	25.07	40.00	-14.93	3	Vertical	360	1.00	-
2440MHz	Pass	PK	90.14M	25.48	43.50	-18.02	3	Vertical	360	1.00	-
2440MHz	Pass	PK	398.6M	23.91	46.00	-22.09	3	Vertical	360	1.00	-
2440MHz	Pass	PK	600.36M	26.55	46.00	-19.45	3	Vertical	360	1.00	-
2440MHz	Pass	PK	833.16M	29.51	46.00	-16.49	3	Vertical	360	1.00	-
2440MHz	Pass	PK	30M	23.68	40.00	-16.32	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	90.14M	20.93	43.50	-22.57	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	146.4M	20.56	43.50	-22.94	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	334.58M	21.14	46.00	-24.86	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	536.34M	26.39	46.00	-19.61	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	864.2M	29.62	46.00	-16.38	3	Horizontal	0	1.00	-

BT-BR(1Mbps)

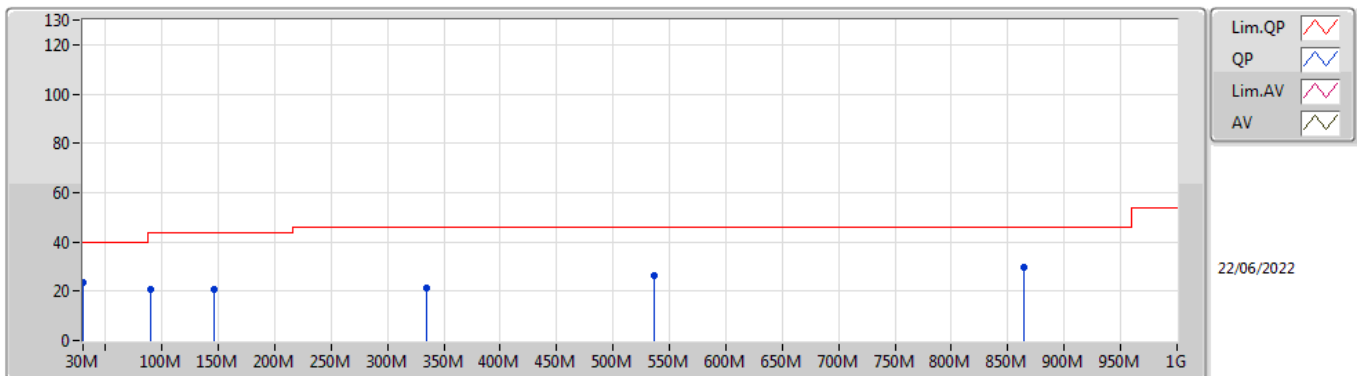
2440MHz_Test fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	29.14	40.00	-10.86	-2.94	3	Vertical	360	1.00	-	32.08	23.76	0.88	27.58
PK	49.4M	25.07	40.00	-14.93	-12.97	3	Vertical	360	1.00	-	38.04	13.41	1.12	27.50
PK	90.14M	25.48	43.50	-18.02	-11.83	3	Vertical	360	1.00	-	37.31	14.03	1.54	27.40
PK	398.6M	23.91	46.00	-22.09	-2.89	3	Vertical	360	1.00	-	26.80	20.92	3.37	27.18
PK	600.36M	26.55	46.00	-19.45	0.02	3	Vertical	360	1.00	-	26.53	23.76	4.21	27.95
PK	833.16M	29.51	46.00	-16.49	2.90	3	Vertical	360	1.00	-	26.61	25.44	5.05	27.59

BT-BR(1Mbps)

2440MHz_Test fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	23.68	40.00	-16.32	-2.94	3	Horizontal	0	1.00	-	26.62	23.76	0.88	27.58
PK	90.14M	20.93	43.50	-22.57	-11.83	3	Horizontal	0	1.00	-	32.76	14.03	1.54	27.40
PK	146.4M	20.56	43.50	-22.94	-9.49	3	Horizontal	0	1.00	-	30.05	15.69	1.98	27.16
PK	334.58M	21.14	46.00	-24.86	-4.74	3	Horizontal	0	1.00	-	25.88	18.97	3.07	26.78
PK	536.34M	26.39	46.00	-19.61	-0.16	3	Horizontal	0	1.00	-	26.55	23.84	3.93	27.93
PK	864.2M	29.62	46.00	-16.38	3.17	3	Horizontal	0	1.00	-	26.45	25.53	5.15	27.51



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	2.4842G	62.53	74.00	-11.47	3	Vertical	22	2.23	-
BT-EDR(3Mbps)	Pass	PK	2.4858G	63.50	74.00	-10.50	3	Horizontal	11	1.19	-



Result

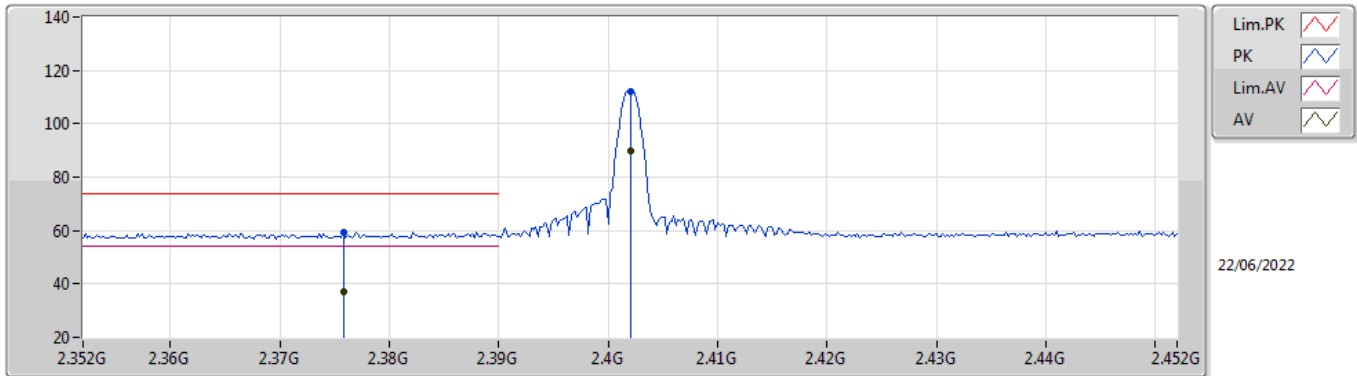
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3758G	36.94	54.00	-17.06	3	Vertical	19	1.12	-
2402MHz	Pass	AV	2.402G	89.59	Inf	-Inf	3	Vertical	19	1.12	-
2402MHz	Pass	PK	2.3758G	59.44	74.00	-14.56	3	Vertical	19	1.12	-
2402MHz	Pass	PK	2.402G	112.09	Inf	-Inf	3	Vertical	19	1.12	-
2402MHz	Pass	AV	2.3634G	36.45	54.00	-17.55	3	Horizontal	0	1.50	-
2402MHz	Pass	AV	2.402G	88.42	Inf	-Inf	3	Horizontal	0	1.50	-
2402MHz	Pass	PK	2.3634G	58.95	74.00	-15.05	3	Horizontal	0	1.50	-
2402MHz	Pass	PK	2.402G	110.92	Inf	-Inf	3	Horizontal	0	1.50	-
2402MHz	Pass	AV	4.8039G	28.88	54.00	-25.12	3	Vertical	103	1.00	-
2402MHz	Pass	PK	4.8039G	51.38	74.00	-22.62	3	Vertical	103	1.00	-
2402MHz	Pass	AV	4.80405G	28.64	54.00	-25.36	3	Horizontal	47	2.22	-
2402MHz	Pass	PK	4.80405G	51.14	74.00	-22.86	3	Horizontal	47	2.22	-
2440MHz	Pass	AV	2.3736G	36.65	54.00	-17.35	3	Vertical	18	2.29	-
2440MHz	Pass	AV	2.44G	89.16	Inf	-Inf	3	Vertical	18	2.29	-
2440MHz	Pass	AV	2.4876G	36.73	54.00	-17.27	3	Vertical	18	2.29	-
2440MHz	Pass	PK	2.3736G	59.15	74.00	-14.85	3	Vertical	18	2.29	-
2440MHz	Pass	PK	2.44G	111.66	Inf	-Inf	3	Vertical	18	2.29	-
2440MHz	Pass	PK	2.4876G	59.23	74.00	-14.77	3	Vertical	18	2.29	-
2440MHz	Pass	AV	2.3808G	35.75	54.00	-18.25	3	Horizontal	12	1.56	-
2440MHz	Pass	AV	2.44G	88.52	Inf	-Inf	3	Horizontal	12	1.56	-
2440MHz	Pass	AV	2.4912G	36.61	54.00	-17.39	3	Horizontal	12	1.56	-
2440MHz	Pass	PK	2.3808G	58.25	74.00	-15.75	3	Horizontal	12	1.56	-
2440MHz	Pass	PK	2.44G	111.02	Inf	-Inf	3	Horizontal	12	1.56	-
2440MHz	Pass	PK	2.4912G	59.11	74.00	-14.89	3	Horizontal	12	1.56	-
2440MHz	Pass	AV	4.88025G	27.24	54.00	-26.76	3	Vertical	42	2.34	-
2440MHz	Pass	PK	4.88025G	49.74	74.00	-24.26	3	Vertical	42	2.34	-
2440MHz	Pass	AV	4.87986G	28.37	54.00	-25.63	3	Horizontal	51	2.27	-
2440MHz	Pass	PK	4.87986G	50.87	74.00	-23.13	3	Horizontal	51	2.27	-
2480MHz	Pass	AV	2.48G	88.53	Inf	-Inf	3	Vertical	22	2.23	-
2480MHz	Pass	AV	2.4842G	40.03	54.00	-13.97	3	Vertical	22	2.23	-
2480MHz	Pass	PK	2.48G	111.03	Inf	-Inf	3	Vertical	22	2.23	-
2480MHz	Pass	PK	2.4842G	62.53	74.00	-11.47	3	Vertical	22	2.23	-
2480MHz	Pass	AV	2.48G	87.61	Inf	-Inf	3	Horizontal	328	1.50	-
2480MHz	Pass	AV	2.485G	38.99	54.00	-15.01	3	Horizontal	328	1.50	-
2480MHz	Pass	PK	2.48G	110.11	Inf	-Inf	3	Horizontal	328	1.50	-
2480MHz	Pass	PK	2.485G	61.49	74.00	-12.51	3	Horizontal	328	1.50	-
2480MHz	Pass	AV	4.96008G	25.73	54.00	-28.27	3	Vertical	32	1.00	-
2480MHz	Pass	PK	4.96008G	48.23	74.00	-25.77	3	Vertical	32	1.00	-
2480MHz	Pass	AV	4.95998G	28.48	54.00	-25.52	3	Horizontal	42	2.33	-
2480MHz	Pass	PK	4.95998G	50.98	74.00	-23.02	3	Horizontal	42	2.33	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3664G	36.97	54.00	-17.03	3	Vertical	33	1.34	-
2402MHz	Pass	AV	2.4022G	88.22	Inf	-Inf	3	Vertical	33	1.34	-
2402MHz	Pass	PK	2.3664G	59.47	74.00	-14.53	3	Vertical	33	1.34	-
2402MHz	Pass	PK	2.4022G	110.72	Inf	-Inf	3	Vertical	33	1.34	-
2402MHz	Pass	AV	2.3898G	37.30	54.00	-16.70	3	Horizontal	29	1.09	-
2402MHz	Pass	AV	2.402G	91.85	Inf	-Inf	3	Horizontal	29	1.09	-
2402MHz	Pass	PK	2.3898G	59.80	74.00	-14.20	3	Horizontal	29	1.09	-
2402MHz	Pass	PK	2.402G	114.35	Inf	-Inf	3	Horizontal	29	1.09	-
2402MHz	Pass	AV	4.80416G	28.67	54.00	-25.33	3	Vertical	103	1.00	-
2402MHz	Pass	PK	4.80416G	51.17	74.00	-22.83	3	Vertical	103	1.00	-
2402MHz	Pass	AV	4.8039G	28.19	54.00	-25.81	3	Horizontal	47	2.22	-
2402MHz	Pass	PK	4.8039G	50.69	74.00	-23.31	3	Horizontal	47	2.22	-
2440MHz	Pass	AV	2.3484G	36.22	54.00	-17.78	3	Vertical	37	1.50	-
2440MHz	Pass	AV	2.44G	88.30	Inf	-Inf	3	Vertical	37	1.50	-
2440MHz	Pass	AV	2.4992G	36.02	54.00	-17.98	3	Vertical	37	1.50	-
2440MHz	Pass	PK	2.3484G	58.72	74.00	-15.28	3	Vertical	37	1.50	-
2440MHz	Pass	PK	2.44G	110.80	Inf	-Inf	3	Vertical	37	1.50	-
2440MHz	Pass	PK	2.4992G	58.52	74.00	-15.48	3	Vertical	37	1.50	-
2440MHz	Pass	AV	2.3484G	36.22	54.00	-17.78	3	Horizontal	32	1.11	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	2.44G	90.37	Inf	-Inf	3	Horizontal	32	1.11	-
2440MHz	Pass	AV	2.4912G	36.47	54.00	-17.53	3	Horizontal	32	1.11	-
2440MHz	Pass	PK	2.3484G	58.72	74.00	-15.28	3	Horizontal	32	1.11	-
2440MHz	Pass	PK	2.44G	112.87	Inf	-Inf	3	Horizontal	32	1.11	-
2440MHz	Pass	PK	2.4912G	58.97	74.00	-15.03	3	Horizontal	32	1.11	-
2440MHz	Pass	AV	4.88035G	26.79	54.00	-27.21	3	Vertical	41	2.32	-
2440MHz	Pass	PK	4.88035G	49.29	74.00	-24.71	3	Vertical	41	2.32	-
2440MHz	Pass	AV	4.87989G	26.34	54.00	-27.66	3	Horizontal	209	1.34	-
2440MHz	Pass	PK	4.87989G	48.84	74.00	-25.16	3	Horizontal	209	1.34	-
2480MHz	Pass	AV	2.4798G	88.34	Inf	-Inf	3	Vertical	19	1.99	-
2480MHz	Pass	AV	2.4872G	40.13	54.00	-13.87	3	Vertical	19	1.99	-
2480MHz	Pass	PK	2.4798G	110.84	Inf	-Inf	3	Vertical	19	1.99	-
2480MHz	Pass	PK	2.4872G	62.63	74.00	-11.37	3	Vertical	19	1.99	-
2480MHz	Pass	AV	2.4802G	90.10	Inf	-Inf	3	Horizontal	11	1.19	-
2480MHz	Pass	AV	2.4858G	41.00	54.00	-13.00	3	Horizontal	11	1.19	-
2480MHz	Pass	PK	2.4802G	112.60	Inf	-Inf	3	Horizontal	11	1.19	-
2480MHz	Pass	PK	2.4858G	63.50	74.00	-10.50	3	Horizontal	11	1.19	-
2480MHz	Pass	AV	4.96011G	25.71	54.00	-28.29	3	Vertical	30	1.01	-
2480MHz	Pass	PK	4.96011G	48.21	74.00	-25.79	3	Vertical	30	1.01	-
2480MHz	Pass	AV	4.96019G	27.93	54.00	-26.07	3	Horizontal	41	2.32	-
2480MHz	Pass	PK	4.96019G	50.43	74.00	-23.57	3	Horizontal	41	2.32	-

BT-BR(1Mbps)

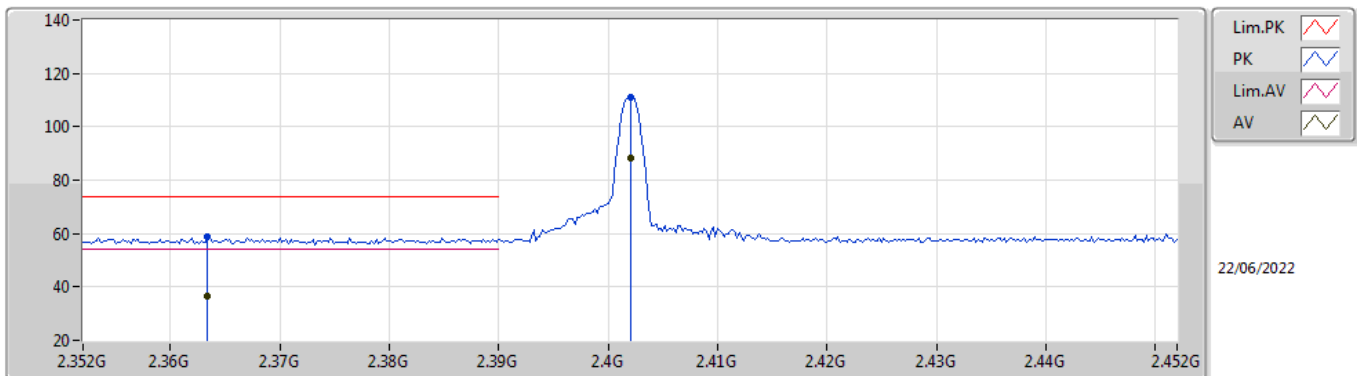
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3758G	36.94	54.00	-17.06	31.70	3	Vertical	19	1.12	-	5.24	27.35	4.35	-
AV	2.402G	89.59	Inf	-Inf	31.79	3	Vertical	19	1.12	-	57.80	27.41	4.38	-
PK	2.3758G	59.44	74.00	-14.56	31.70	3	Vertical	19	1.12	-	27.74	27.35	4.35	-
PK	2.402G	112.09	Inf	-Inf	31.79	3	Vertical	19	1.12	-	80.30	27.41	4.38	-

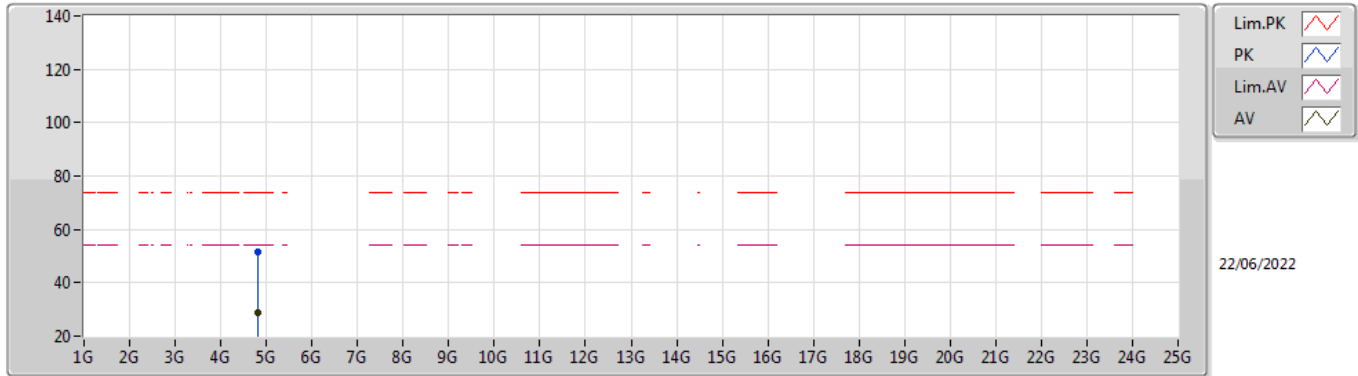
BT-BR(1Mbps)

2402MHz_TX



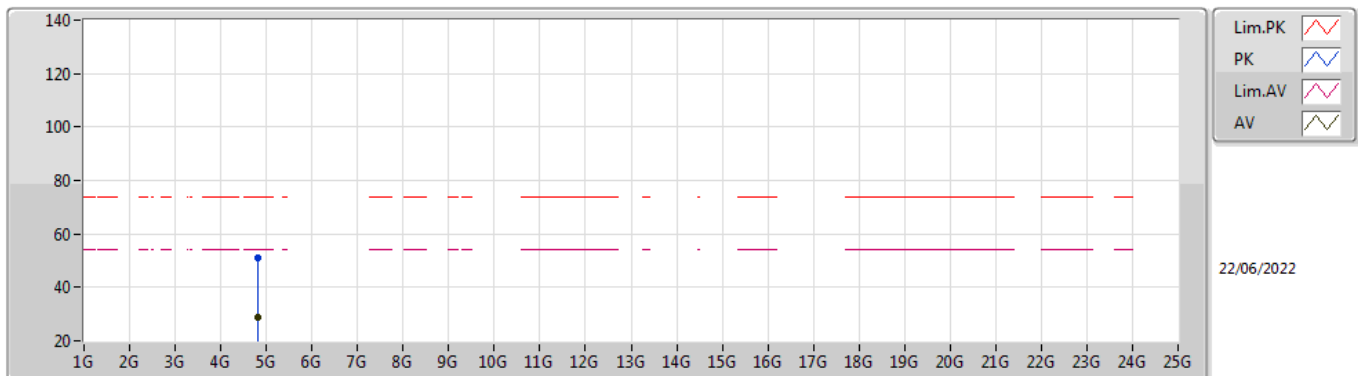
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3634G	36.45	54.00	-17.55	31.67	3	Horizontal	0	1.50	-	4.78	27.33	4.34	-
AV	2.402G	88.42	Inf	-Inf	31.79	3	Horizontal	0	1.50	-	56.63	27.41	4.38	-
PK	2.3634G	58.95	74.00	-15.05	31.67	3	Horizontal	0	1.50	-	27.28	27.33	4.34	-
PK	2.402G	110.92	Inf	-Inf	31.79	3	Horizontal	0	1.50	-	79.13	27.41	4.38	-

BT-BR(1Mbps)
2402MHz_TX



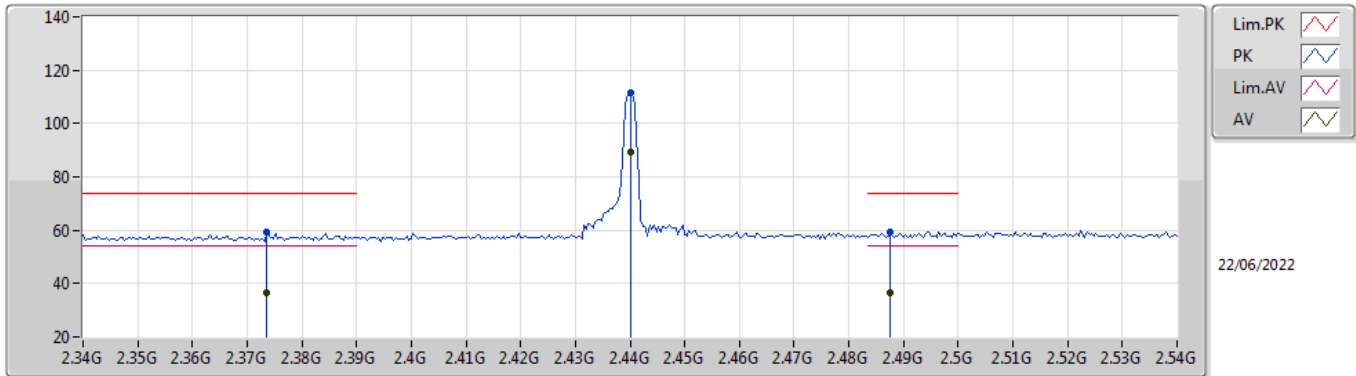
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AV	4.8039G	28.88	54.00	-25.12	4.33	3	Vertical	103	1.00	-	24.55	32.52	6.26	34.45
PK	4.8039G	51.38	74.00	-22.62	4.33	3	Vertical	103	1.00	-	47.05	32.52	6.26	34.45

BT-BR(1Mbps)
2402MHz_TX



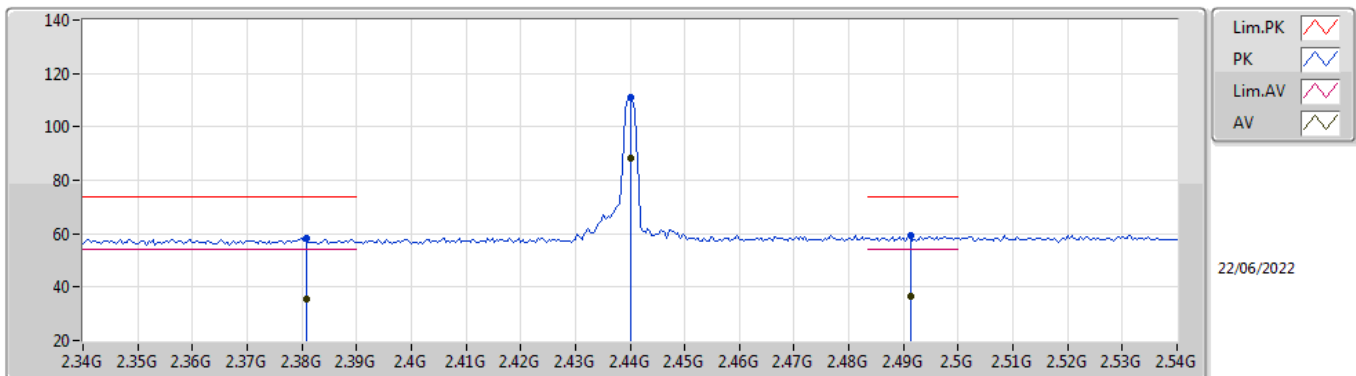
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80405G	28.64	54.00	-25.36	4.33	3	Horizontal	47	2.22	-	24.31	32.52	6.26	34.45
PK	4.80405G	51.14	74.00	-22.86	4.33	3	Horizontal	47	2.22	-	46.81	32.52	6.26	34.45

BT-BR(1Mbps)
2440MHz_TX



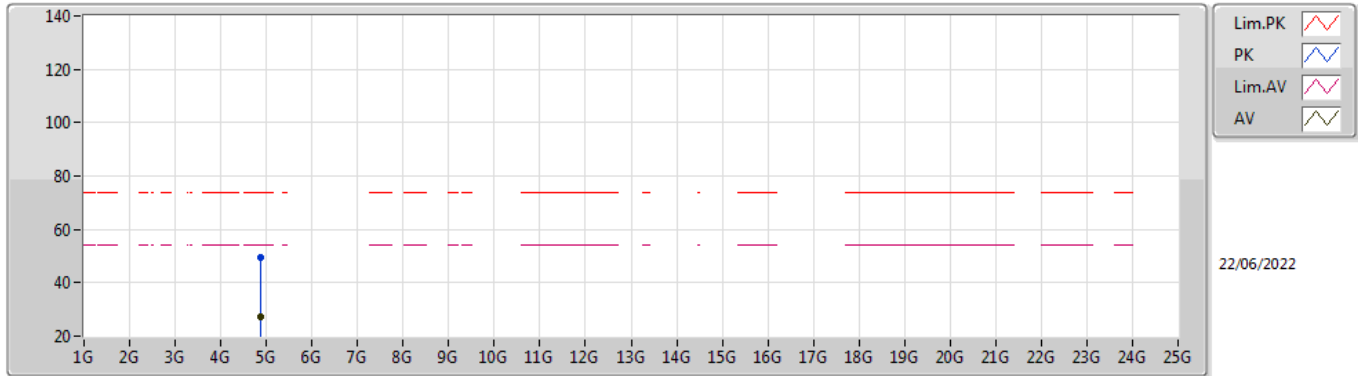
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3736G	36.65	54.00	-17.35	31.70	3	Vertical	18	2.29	-	4.95	27.35	4.35	-
AV	2.44G	89.16	Inf	-Inf	32.00	3	Vertical	18	2.29	-	57.16	27.56	4.44	-
AV	2.4876G	36.73	54.00	-17.27	32.34	3	Vertical	18	2.29	-	4.39	27.83	4.51	-
PK	2.3736G	59.15	74.00	-14.85	31.70	3	Vertical	18	2.29	-	27.45	27.35	4.35	-
PK	2.44G	111.66	Inf	-Inf	32.00	3	Vertical	18	2.29	-	79.66	27.56	4.44	-
PK	2.4876G	59.23	74.00	-14.77	32.34	3	Vertical	18	2.29	-	26.89	27.83	4.51	-

BT-BR(1Mbps)
2440MHz_TX



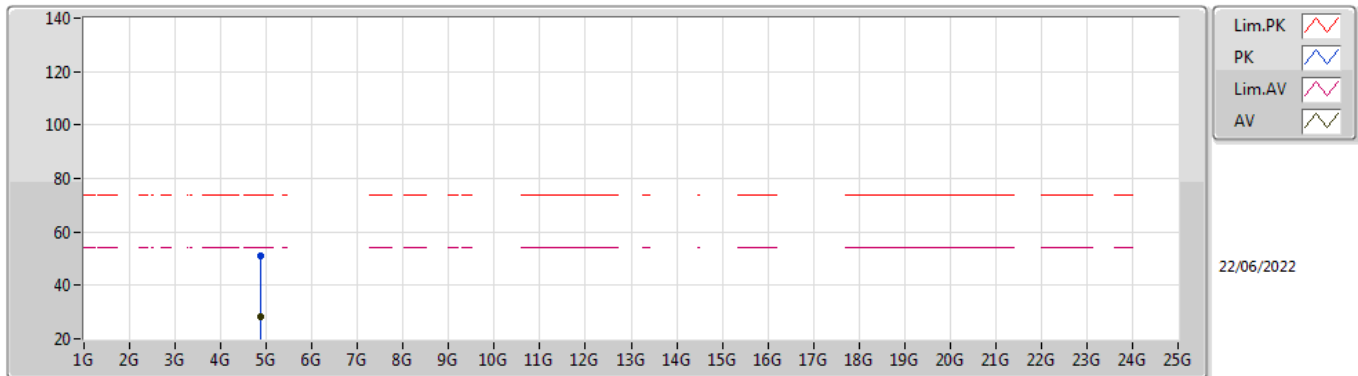
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3808G	35.75	54.00	-18.25	31.72	3	Horizontal	12	1.56	-	4.03	27.36	4.36	-
AV	2.44G	88.52	Inf	-Inf	32.00	3	Horizontal	12	1.56	-	56.52	27.56	4.44	-
AV	2.4912G	36.61	54.00	-17.39	32.36	3	Horizontal	12	1.56	-	4.25	27.85	4.51	-
PK	2.3808G	58.25	74.00	-15.75	31.72	3	Horizontal	12	1.56	-	26.53	27.36	4.36	-
PK	2.44G	111.02	Inf	-Inf	32.00	3	Horizontal	12	1.56	-	79.02	27.56	4.44	-
PK	2.4912G	59.11	74.00	-14.89	32.36	3	Horizontal	12	1.56	-	26.75	27.85	4.51	-

BT-BR(1Mbps)
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88025G	27.24	54.00	-26.76	4.63	3	Vertical	42	2.34	-	22.61	32.76	6.31	34.44
PK	4.88025G	49.74	74.00	-24.26	4.63	3	Vertical	42	2.34	-	45.11	32.76	6.31	34.44

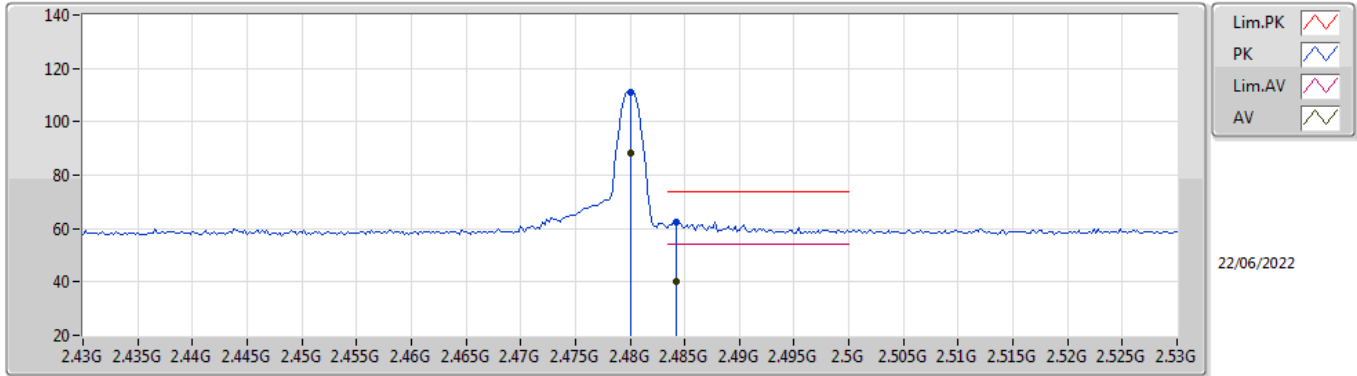
BT-BR(1Mbps)
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87986G	28.37	54.00	-25.63	4.63	3	Horizontal	51	2.27	-	23.74	32.76	6.31	34.44
PK	4.87986G	50.87	74.00	-23.13	4.63	3	Horizontal	51	2.27	-	46.24	32.76	6.31	34.44

BT-BR(1Mbps)

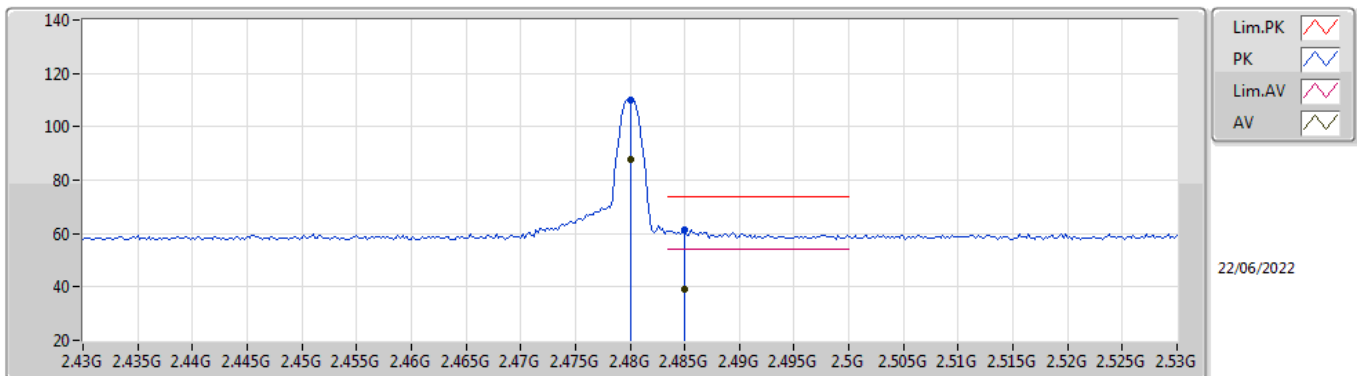
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	88.53	Inf	-Inf	32.28	3	Vertical	22	2.23	-	56.25	27.78	4.50	-
AV	2.4842G	40.03	54.00	-13.97	32.31	3	Vertical	22	2.23	-	7.72	27.81	4.50	-
PK	2.48G	111.03	Inf	-Inf	32.28	3	Vertical	22	2.23	-	78.75	27.78	4.50	-
PK	2.4842G	62.53	74.00	-11.47	32.31	3	Vertical	22	2.23	-	30.22	27.81	4.50	-

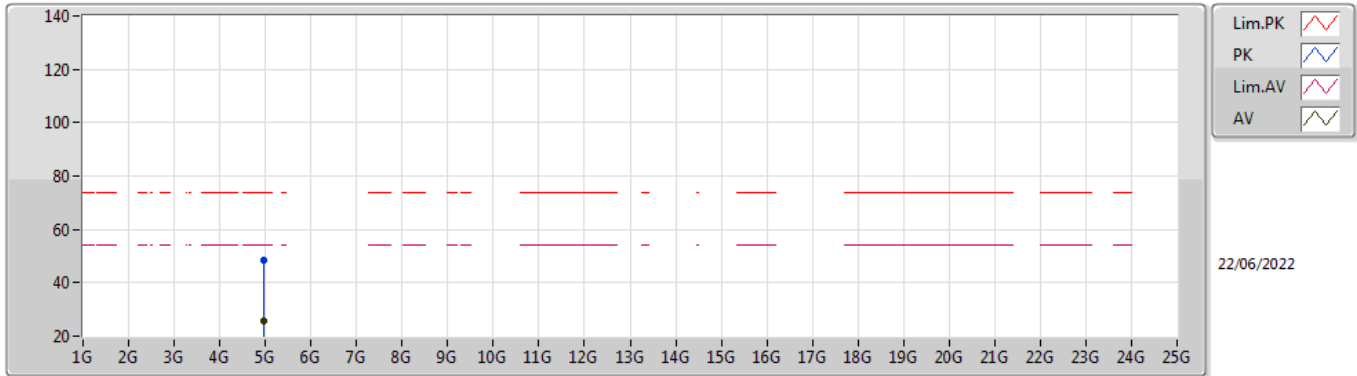
BT-BR(1Mbps)

2480MHz_TX



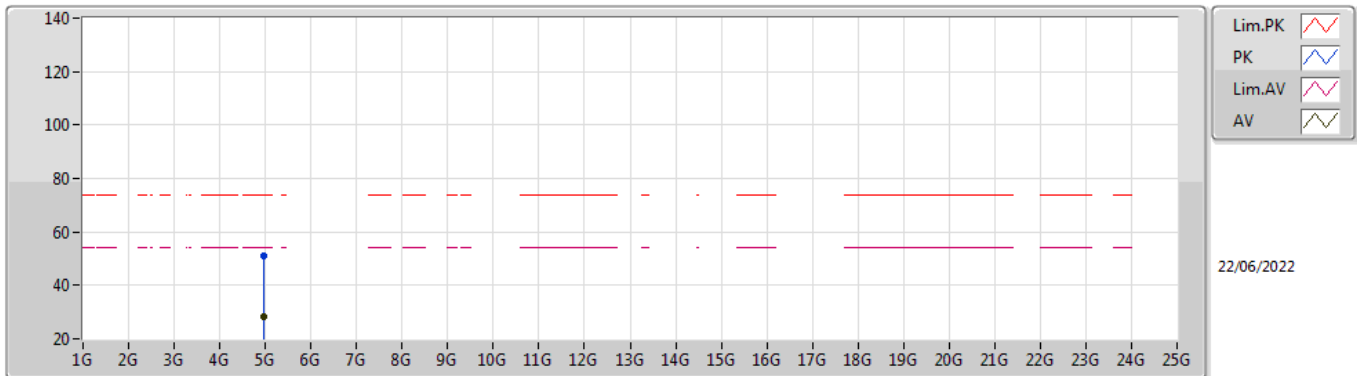
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	87.61	Inf	-Inf	32.28	3	Horizontal	328	1.50	-	55.33	27.78	4.50	-
AV	2.485G	38.99	54.00	-15.01	32.31	3	Horizontal	328	1.50	-	6.68	27.81	4.50	-
PK	2.48G	110.11	Inf	-Inf	32.28	3	Horizontal	328	1.50	-	77.83	27.78	4.50	-
PK	2.485G	61.49	74.00	-12.51	32.31	3	Horizontal	328	1.50	-	29.18	27.81	4.50	-

BT-BR(1Mbps)
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.96008G	25.73	54.00	-28.27	5.07	3	Vertical	32	1.00	-	20.66	33.14	6.36	34.43
PK	4.96008G	48.23	74.00	-25.77	5.07	3	Vertical	32	1.00	-	43.16	33.14	6.36	34.43

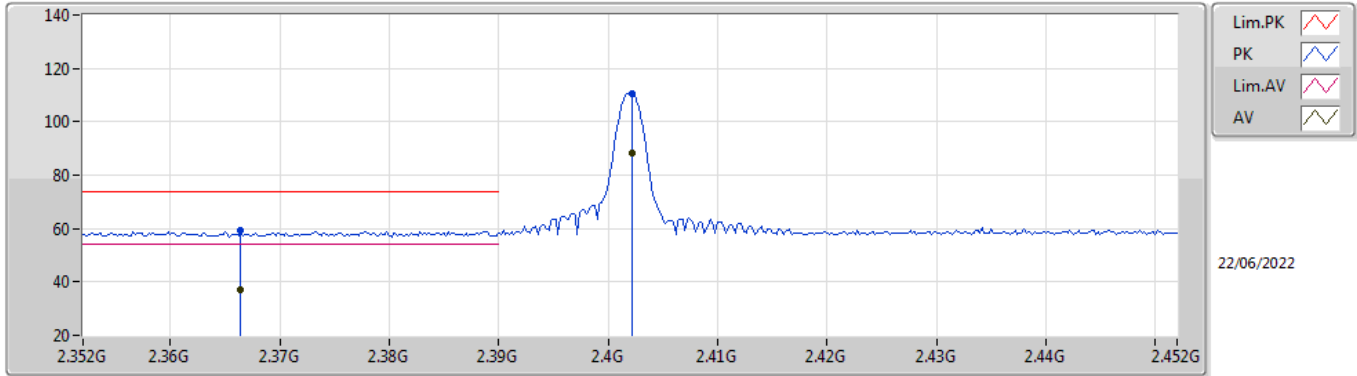
BT-BR(1Mbps)
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95998G	28.48	54.00	-25.52	5.07	3	Horizontal	42	2.33	-	23.41	33.14	6.36	34.43
PK	4.95998G	50.98	74.00	-23.02	5.07	3	Horizontal	42	2.33	-	45.91	33.14	6.36	34.43

BT-EDR(3Mbps)

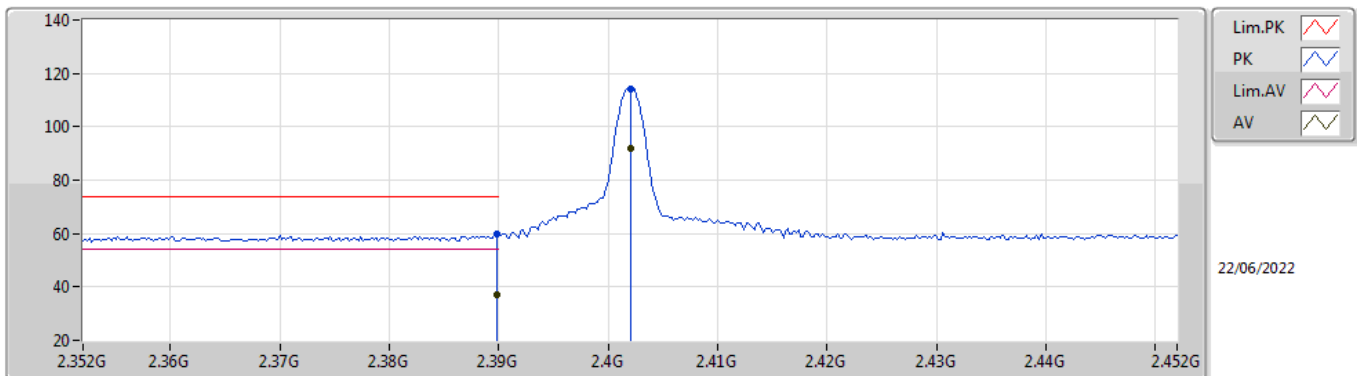
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3664G	36.97	54.00	-17.03	31.67	3	Vertical	33	1.34	-	5.30	27.33	4.34	-
AV	2.4022G	88.22	Inf	-Inf	31.79	3	Vertical	33	1.34	-	56.43	27.41	4.38	-
PK	2.3664G	59.47	74.00	-14.53	31.67	3	Vertical	33	1.34	-	27.80	27.33	4.34	-
PK	2.4022G	110.72	Inf	-Inf	31.79	3	Vertical	33	1.34	-	78.93	27.41	4.38	-

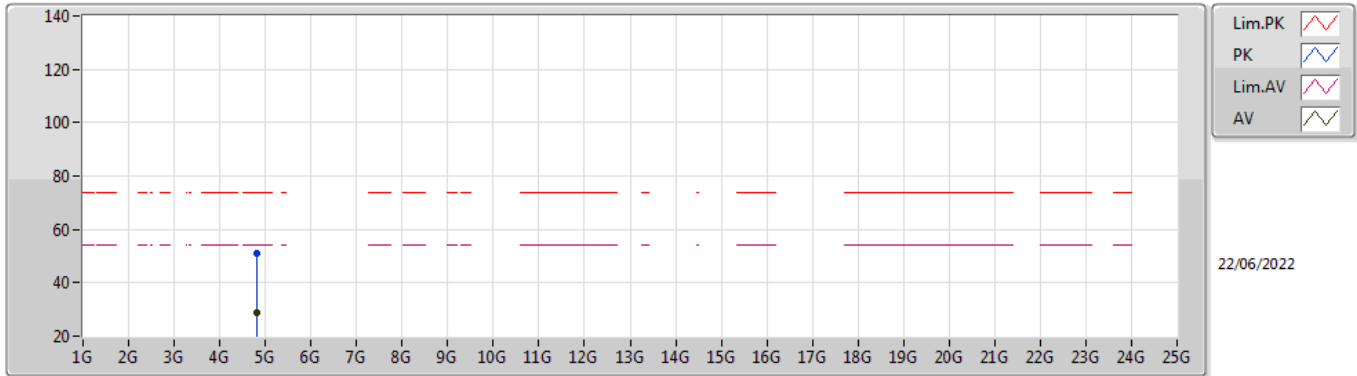
BT-EDR(3Mbps)

2402MHz_TX



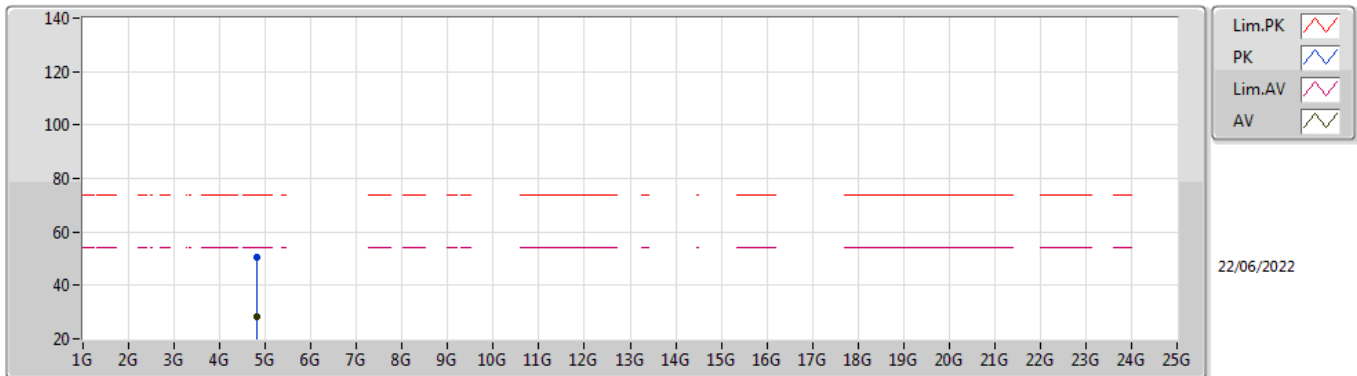
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	37.30	54.00	-16.70	31.75	3	Horizontal	29	1.09	-	5.55	27.38	4.37	-
AV	2.402G	91.85	Inf	-Inf	31.79	3	Horizontal	29	1.09	-	60.06	27.41	4.38	-
PK	2.3898G	59.80	74.00	-14.20	31.75	3	Horizontal	29	1.09	-	28.05	27.38	4.37	-
PK	2.402G	114.35	Inf	-Inf	31.79	3	Horizontal	29	1.09	-	82.56	27.41	4.38	-

BT-EDR(3Mbps)
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80416G	28.67	54.00	-25.33	4.33	3	Vertical	103	1.00	-	24.34	32.52	6.26	34.45
PK	4.80416G	51.17	74.00	-22.83	4.33	3	Vertical	103	1.00	-	46.84	32.52	6.26	34.45

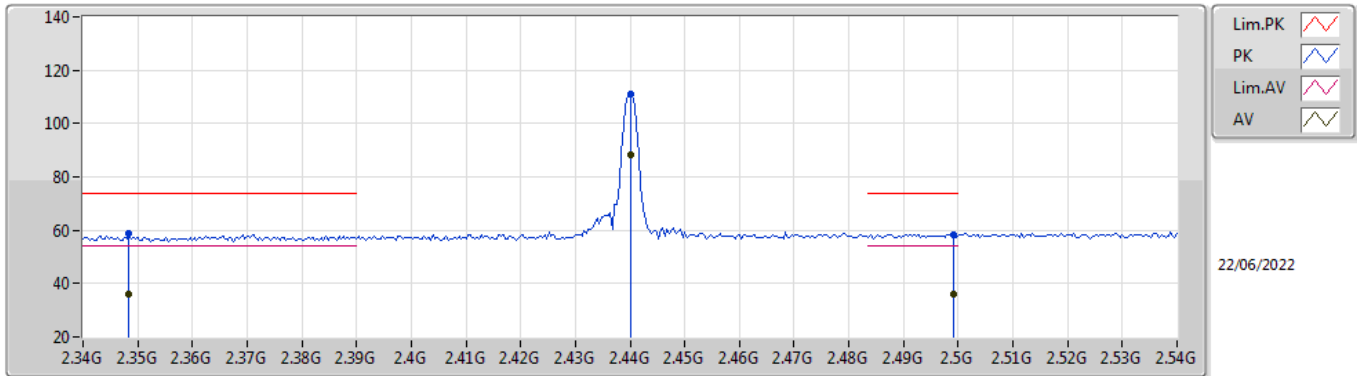
BT-EDR(3Mbps)
2402MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8039G	28.19	54.00	-25.81	4.33	3	Horizontal	47	2.22	-	23.86	32.52	6.26	34.45
PK	4.8039G	50.69	74.00	-23.31	4.33	3	Horizontal	47	2.22	-	46.36	32.52	6.26	34.45

BT-EDR(3Mbps)

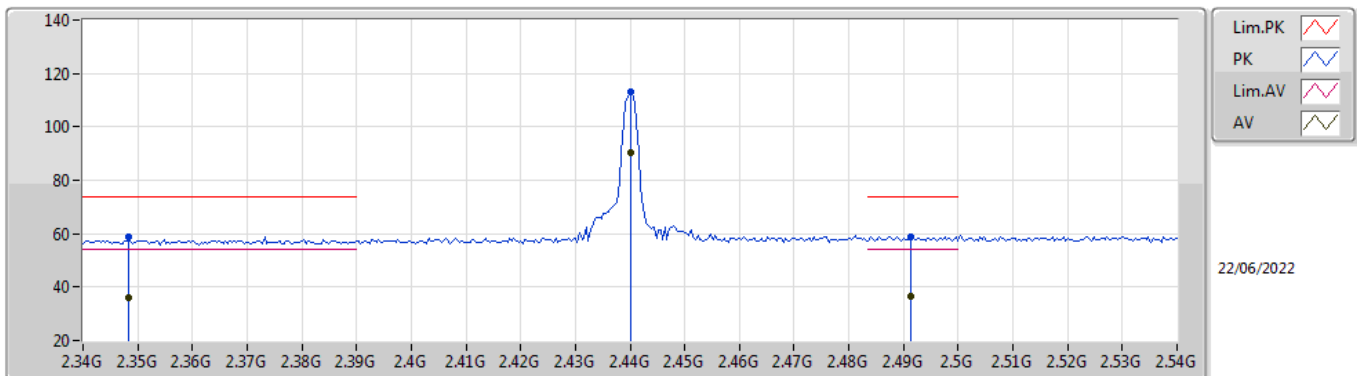
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3484G	36.22	54.00	-17.78	31.62	3	Vertical	37	1.50	-	4.60	27.29	4.33	-
AV	2.44G	88.30	Inf	-Inf	32.00	3	Vertical	37	1.50	-	56.30	27.56	4.44	-
AV	2.4992G	36.02	54.00	-17.98	32.42	3	Vertical	37	1.50	-	3.60	27.90	4.52	-
PK	2.3484G	58.72	74.00	-15.28	31.62	3	Vertical	37	1.50	-	27.10	27.29	4.33	-
PK	2.44G	110.80	Inf	-Inf	32.00	3	Vertical	37	1.50	-	78.80	27.56	4.44	-
PK	2.4992G	58.52	74.00	-15.48	32.42	3	Vertical	37	1.50	-	26.10	27.90	4.52	-

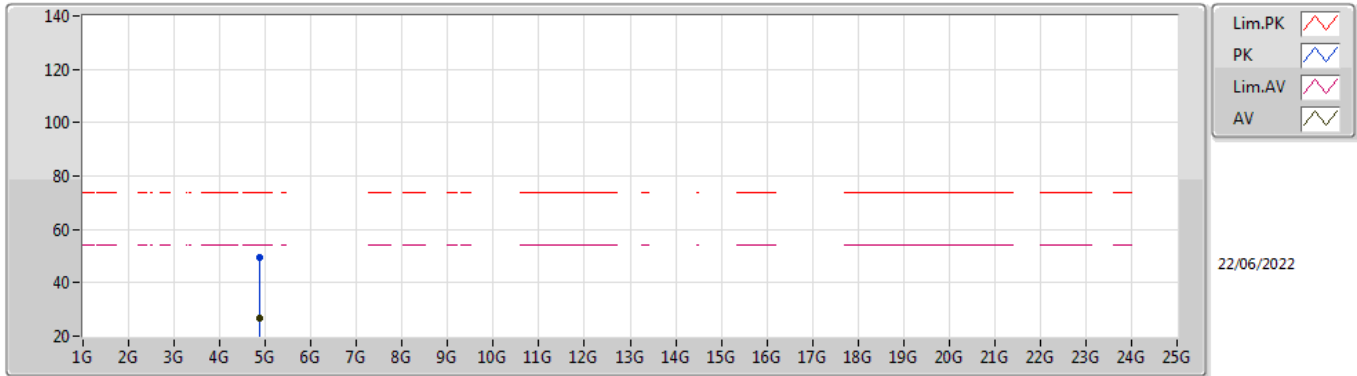
BT-EDR(3Mbps)

2440MHz_TX



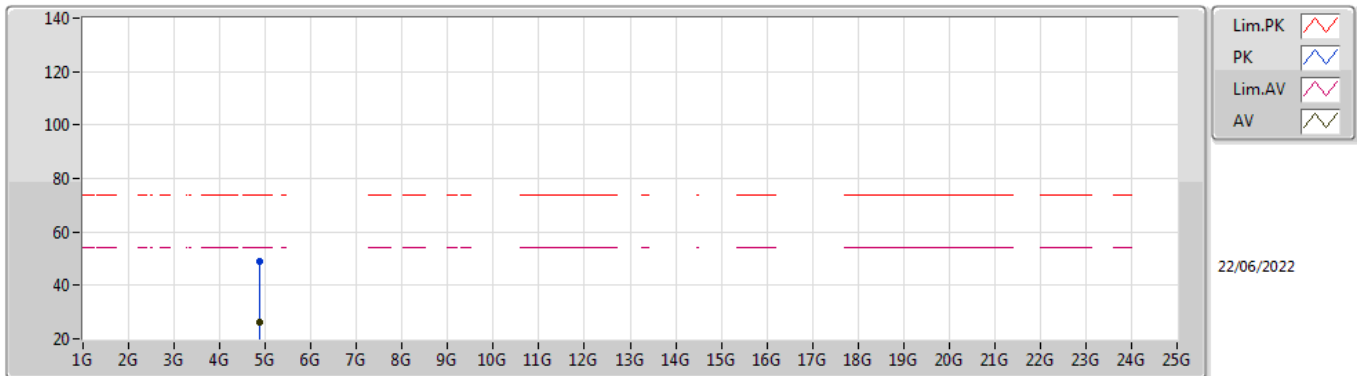
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3484G	36.22	54.00	-17.78	31.62	3	Horizontal	32	1.11	-	4.60	27.29	4.33	-
AV	2.44G	90.37	Inf	-Inf	32.00	3	Horizontal	32	1.11	-	58.37	27.56	4.44	-
AV	2.4912G	36.47	54.00	-17.53	32.36	3	Horizontal	32	1.11	-	4.11	27.85	4.51	-
PK	2.3484G	58.72	74.00	-15.28	31.62	3	Horizontal	32	1.11	-	27.10	27.29	4.33	-
PK	2.44G	112.87	Inf	-Inf	32.00	3	Horizontal	32	1.11	-	80.87	27.56	4.44	-
PK	2.4912G	58.97	74.00	-15.03	32.36	3	Horizontal	32	1.11	-	26.61	27.85	4.51	-

BT-EDR(3Mbps)
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88035G	26.79	54.00	-27.21	4.63	3	Vertical	41	2.32	-	22.16	32.76	6.31	34.44
PK	4.88035G	49.29	74.00	-24.71	4.63	3	Vertical	41	2.32	-	44.66	32.76	6.31	34.44

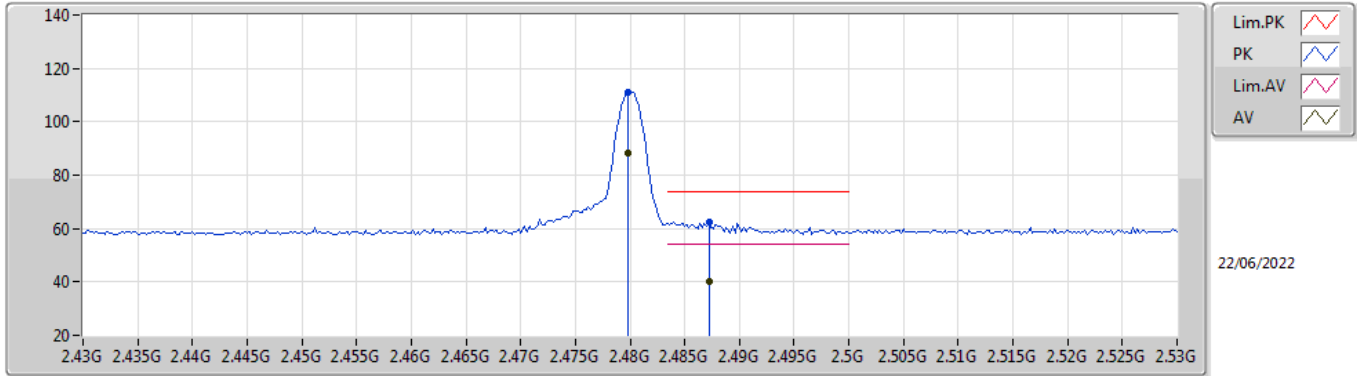
BT-EDR(3Mbps)
2440MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87989G	26.34	54.00	-27.66	4.63	3	Horizontal	209	1.34	-	21.71	32.76	6.31	34.44
PK	4.87989G	48.84	74.00	-25.16	4.63	3	Horizontal	209	1.34	-	44.21	32.76	6.31	34.44

BT-EDR(3Mbps)

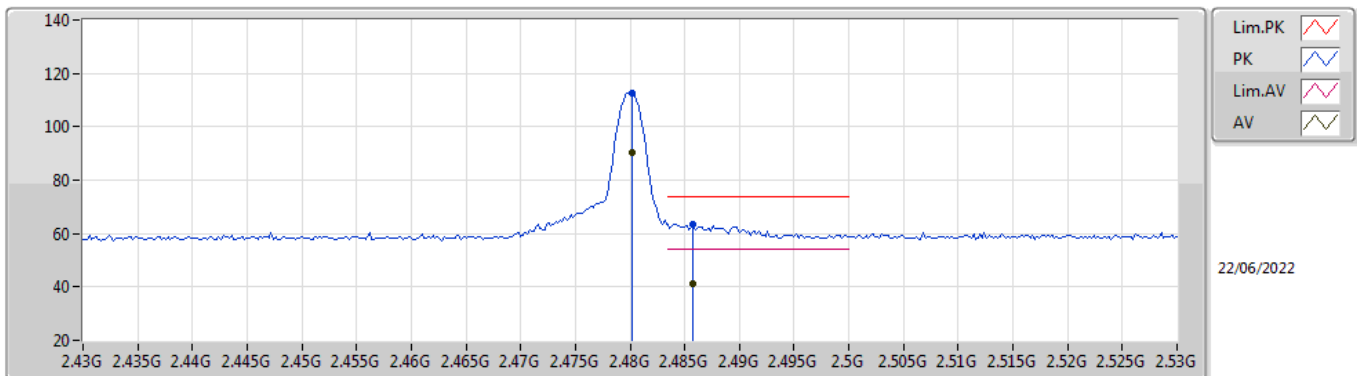
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4798G	88.34	Inf	-Inf	32.28	3	Vertical	19	1.99	-	56.06	27.78	4.50	-
AV	2.4872G	40.13	54.00	-13.87	32.33	3	Vertical	19	1.99	-	7.80	27.82	4.51	-
PK	2.4798G	110.84	Inf	-Inf	32.28	3	Vertical	19	1.99	-	78.56	27.78	4.50	-
PK	2.4872G	62.63	74.00	-11.37	32.33	3	Vertical	19	1.99	-	30.30	27.82	4.51	-

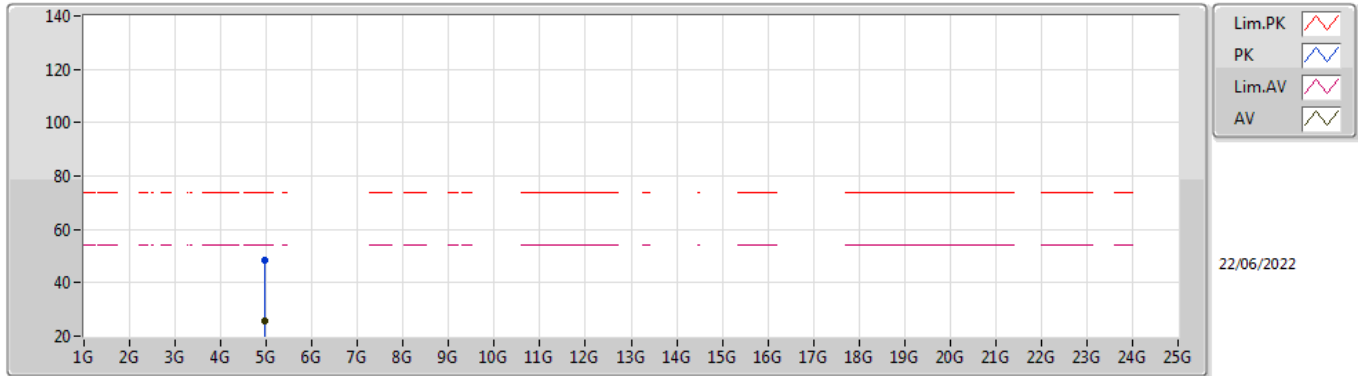
BT-EDR(3Mbps)

2480MHz_TX



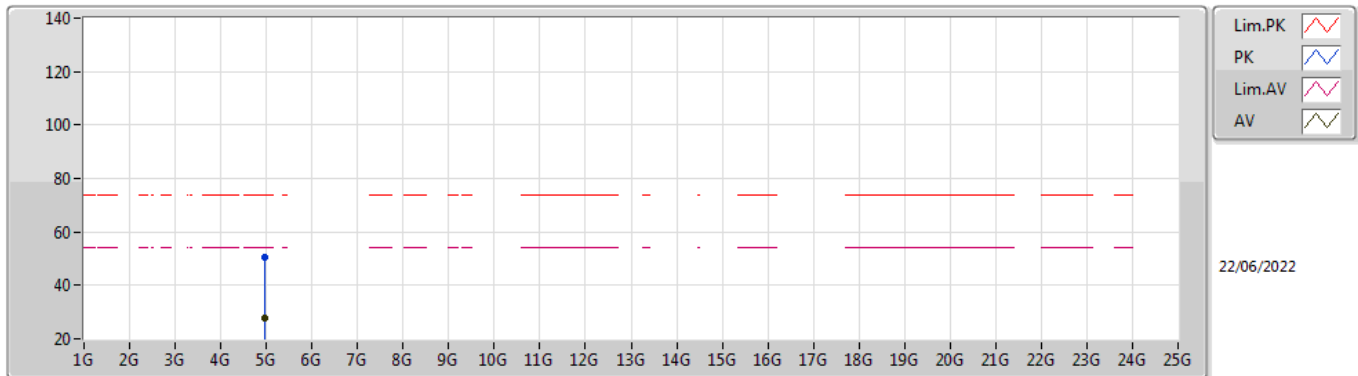
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4802G	90.10	Inf	-Inf	32.28	3	Horizontal	11	1.19	-	57.82	27.78	4.50	-
AV	2.4858G	41.00	54.00	-13.00	32.31	3	Horizontal	11	1.19	-	8.69	27.81	4.50	-
PK	2.4802G	112.60	Inf	-Inf	32.28	3	Horizontal	11	1.19	-	80.32	27.78	4.50	-
PK	2.4858G	63.50	74.00	-10.50	32.31	3	Horizontal	11	1.19	-	31.19	27.81	4.50	-

BT-EDR(3Mbps)
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.96011G	25.71	54.00	-28.29	5.07	3	Vertical	30	1.01	-	20.64	33.14	6.36	34.43
PK	4.96011G	48.21	74.00	-25.79	5.07	3	Vertical	30	1.01	-	43.14	33.14	6.36	34.43

BT-EDR(3Mbps)
2480MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.96019G	27.93	54.00	-26.07	5.07	3	Horizontal	41	2.32	-	22.86	33.14	6.36	34.43
PK	4.96019G	50.43	74.00	-23.57	5.07	3	Horizontal	41	2.32	-	45.36	33.14	6.36	34.43



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.87394G	51.24	54.00	-2.76	Horizontal
Mode 2	Pass	AV	15.71766G	50.84	54.00	-3.16	Horizontal
Mode 3	Pass	AV	7.38524G	50.87	54.00	-3.13	Horizontal
Mode 4	Pass	AV	7.34022G	50.51	54.00	-3.49	Horizontal



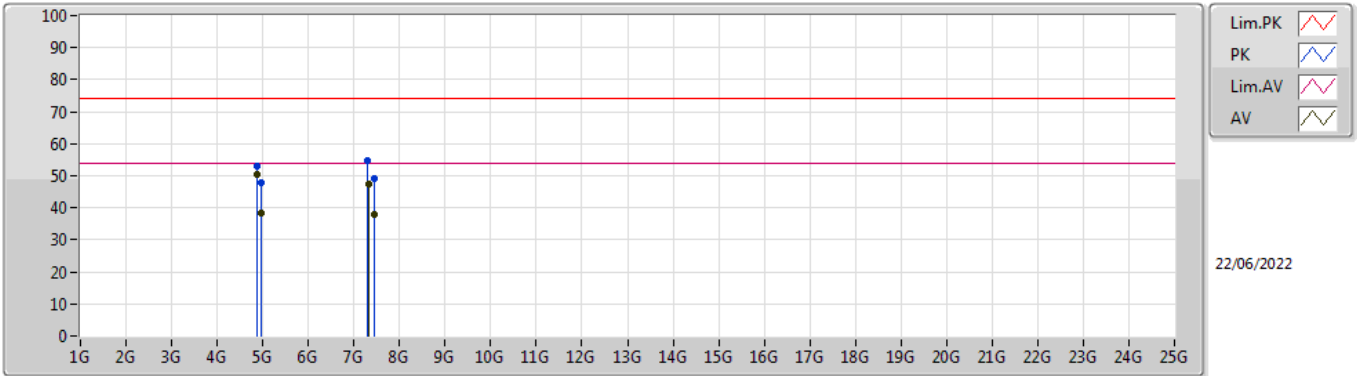
Mode config

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.874G	50.62	54.00	-3.38	3	Vertical	64	2.33	-
Mode 1	Pass	AV	4.95903G	38.18	54.00	-15.82	3	Vertical	31	1.10	-
Mode 1	Pass	AV	7.31172G	47.45	54.00	-6.55	3	Vertical	219	1.55	-
Mode 1	Pass	AV	7.44079G	38.00	54.00	-16.00	3	Vertical	267	2.60	-
Mode 1	Pass	PK	4.87388G	53.14	74.00	-20.86	3	Vertical	64	2.33	-
Mode 1	Pass	PK	4.96083G	47.67	74.00	-26.33	3	Vertical	31	1.10	-
Mode 1	Pass	PK	7.30974G	54.84	74.00	-19.16	3	Vertical	219	1.55	-
Mode 1	Pass	PK	7.44085G	48.93	74.00	-25.07	3	Vertical	267	2.60	-
Mode 1	Pass	AV	4.87394G	51.24	54.00	-2.76	3	Horizontal	357	1.69	-
Mode 1	Pass	AV	4.95911G	40.66	54.00	-13.34	3	Horizontal	40	2.33	-
Mode 1	Pass	AV	7.31178G	50.22	54.00	-3.78	3	Horizontal	28	2.49	-
Mode 1	Pass	AV	7.44049G	37.91	54.00	-16.09	3	Horizontal	231	1.79	-
Mode 1	Pass	PK	4.874G	53.94	74.00	-20.06	3	Horizontal	357	1.69	-
Mode 1	Pass	PK	4.96084G	48.84	74.00	-25.16	3	Horizontal	40	2.33	-
Mode 1	Pass	PK	7.3125G	56.22	74.00	-17.78	3	Horizontal	28	2.49	-
Mode 1	Pass	PK	7.43894G	48.90	74.00	-25.10	3	Horizontal	231	1.79	-
Mode 2	Pass	AV	4.95902G	39.34	54.00	-14.66	3	Vertical	103	1.03	-
Mode 2	Pass	AV	7.44101G	38.00	54.00	-16.00	3	Vertical	14	1.47	-
Mode 2	Pass	AV	15.7212G	48.86	54.00	-5.14	3	Vertical	353	1.93	-
Mode 2	Pass	PK	4.95893G	49.36	74.00	-24.64	3	Vertical	103	1.03	-
Mode 2	Pass	PK	7.44076G	48.60	74.00	-25.40	3	Vertical	14	1.47	-
Mode 2	Pass	PK	10.47778G	55.85	68.20	-12.35	3	Vertical	328	1.00	-
Mode 2	Pass	PK	15.72294G	61.36	74.00	-12.64	3	Vertical	353	1.93	-
Mode 2	Pass	AV	4.95908G	39.42	54.00	-14.58	3	Horizontal	104	1.05	-
Mode 2	Pass	AV	7.43944G	38.06	54.00	-15.94	3	Horizontal	280	1.53	-
Mode 2	Pass	AV	15.71766G	50.84	54.00	-3.16	3	Horizontal	300	1.02	-
Mode 2	Pass	PK	4.95917G	49.21	74.00	-24.79	3	Horizontal	104	1.05	-
Mode 2	Pass	PK	7.43873G	49.01	74.00	-24.99	3	Horizontal	280	1.53	-
Mode 2	Pass	PK	10.47688G	57.35	68.20	-10.85	3	Horizontal	51	2.81	-
Mode 2	Pass	PK	15.71742G	63.52	74.00	-10.48	3	Horizontal	300	1.02	-
Mode 3	Pass	AV	4.92401G	45.38	54.00	-8.62	3	Vertical	36	1.26	-
Mode 3	Pass	AV	4.929G	32.27	54.00	-21.73	3	Vertical	65	2.26	-
Mode 3	Pass	AV	7.272G	36.79	54.00	-17.21	3	Vertical	342	2.20	-
Mode 3	Pass	AV	7.386G	42.43	54.00	-11.57	3	Vertical	223	1.33	-
Mode 3	Pass	PK	4.9239G	49.92	74.00	-24.08	3	Vertical	36	1.26	-
Mode 3	Pass	PK	4.929G	44.71	74.00	-29.29	3	Vertical	65	2.26	-
Mode 3	Pass	PK	7.272G	49.58	74.00	-24.42	3	Vertical	342	2.20	-
Mode 3	Pass	PK	7.386G	53.67	74.00	-20.33	3	Vertical	223	1.33	-
Mode 3	Pass	AV	4.848G	43.40	54.00	-10.60	3	Horizontal	342	2.65	-
Mode 3	Pass	AV	4.924G	49.63	54.00	-4.37	3	Horizontal	353	1.50	-
Mode 3	Pass	AV	7.272G	36.51	54.00	-17.49	3	Horizontal	360	2.41	-
Mode 3	Pass	AV	7.38524G	50.87	54.00	-3.13	3	Horizontal	23	2.17	-
Mode 3	Pass	PK	4.848G	50.52	74.00	-23.48	3	Horizontal	342	2.65	-
Mode 3	Pass	PK	4.924G	52.61	74.00	-21.39	3	Horizontal	353	1.50	-
Mode 3	Pass	PK	7.272G	48.96	74.00	-25.04	3	Horizontal	360	2.41	-
Mode 3	Pass	PK	7.38671G	57.11	74.00	-16.89	3	Horizontal	23	2.17	-
Mode 4	Pass	AV	4.80795G	42.15	54.00	-11.85	3	Vertical	64	1.04	-
Mode 4	Pass	AV	4.89398G	47.41	54.00	-6.59	3	Vertical	47	1.47	-
Mode 4	Pass	AV	7.21261G	37.29	54.00	-16.71	3	Vertical	346	2.49	-
Mode 4	Pass	AV	7.34024G	46.01	54.00	-7.99	3	Vertical	312	1.70	-



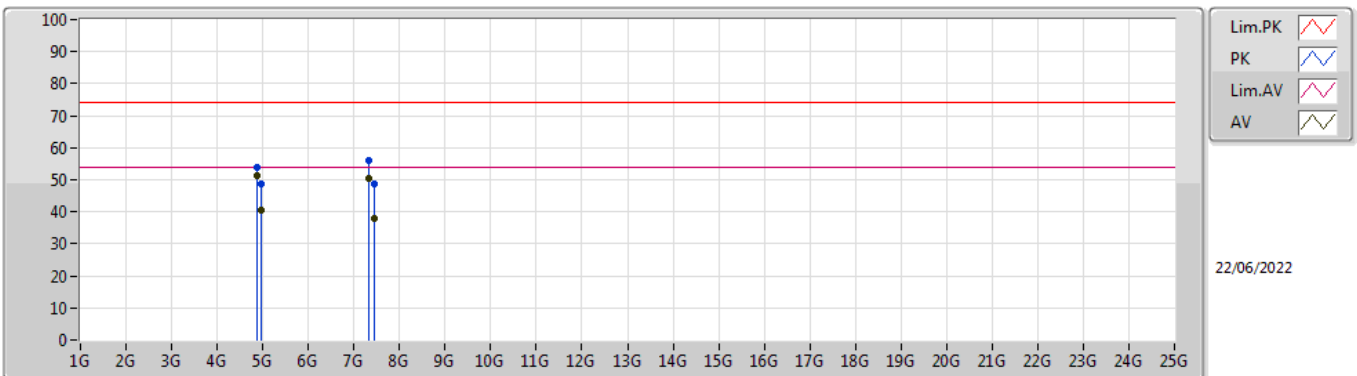
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 4	Pass	PK	4.808G	50.71	74.00	-23.29	3	Vertical	64	1.04	-
Mode 4	Pass	PK	4.89394G	51.12	74.00	-22.88	3	Vertical	47	1.47	-
Mode 4	Pass	PK	7.2126G	49.56	74.00	-24.44	3	Vertical	346	2.49	-
Mode 4	Pass	PK	7.34176G	54.20	74.00	-19.80	3	Vertical	312	1.70	-
Mode 4	Pass	AV	4.80794G	41.85	54.00	-12.15	3	Horizontal	337	2.54	-
Mode 4	Pass	AV	4.89394G	44.99	54.00	-9.01	3	Horizontal	347	2.12	-
Mode 4	Pass	AV	7.21147G	36.56	54.00	-17.44	3	Horizontal	0	2.26	-
Mode 4	Pass	AV	7.34022G	50.51	54.00	-3.49	3	Horizontal	23	2.67	-
Mode 4	Pass	PK	4.80742G	50.17	74.00	-23.83	3	Horizontal	337	2.54	-
Mode 4	Pass	PK	4.89408G	49.39	74.00	-24.61	3	Horizontal	347	2.12	-
Mode 4	Pass	PK	7.21306G	49.60	74.00	-24.40	3	Horizontal	0	2.26	-
Mode 4	Pass	PK	7.34026G	56.41	74.00	-17.59	3	Horizontal	23	2.67	-

Radiated Emissions above 1GHz_Mode 1



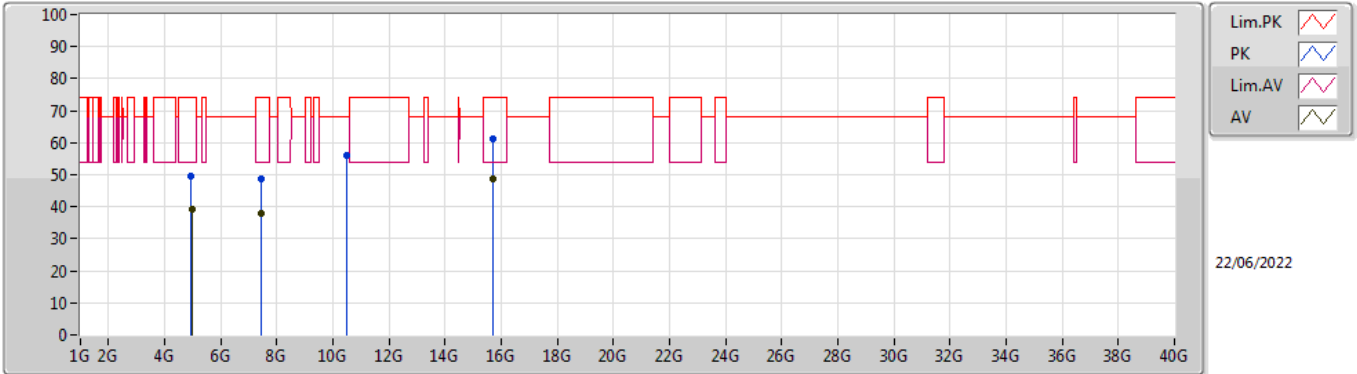
Type	Freq (Hz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBUV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.874G	50.62	54.00	-3.38	4.61	3	Vertical	64	2.33	-	46.01	32.75	6.30	34.44
AV	4.95903G	38.18	54.00	-15.82	5.07	3	Vertical	31	1.10	-	33.11	33.14	6.36	34.43
AV	7.31172G	47.45	54.00	-6.55	10.08	3	Vertical	219	1.55	-	37.37	36.75	8.14	34.81
AV	7.44079G	38.00	54.00	-16.00	9.92	3	Vertical	267	2.60	-	28.08	36.60	8.17	34.85
PK	4.87388G	53.14	74.00	-20.86	4.61	3	Vertical	64	2.33	-	48.53	32.75	6.30	34.44
PK	4.96083G	47.67	74.00	-26.33	5.07	3	Vertical	31	1.10	-	42.60	33.14	6.36	34.43
PK	7.30974G	54.84	74.00	-19.16	10.07	3	Vertical	219	1.55	-	44.77	36.74	8.14	34.81
PK	7.44085G	48.93	74.00	-25.07	9.92	3	Vertical	267	2.60	-	39.01	36.60	8.17	34.85

Radiated Emissions above 1GHz_Mode 1



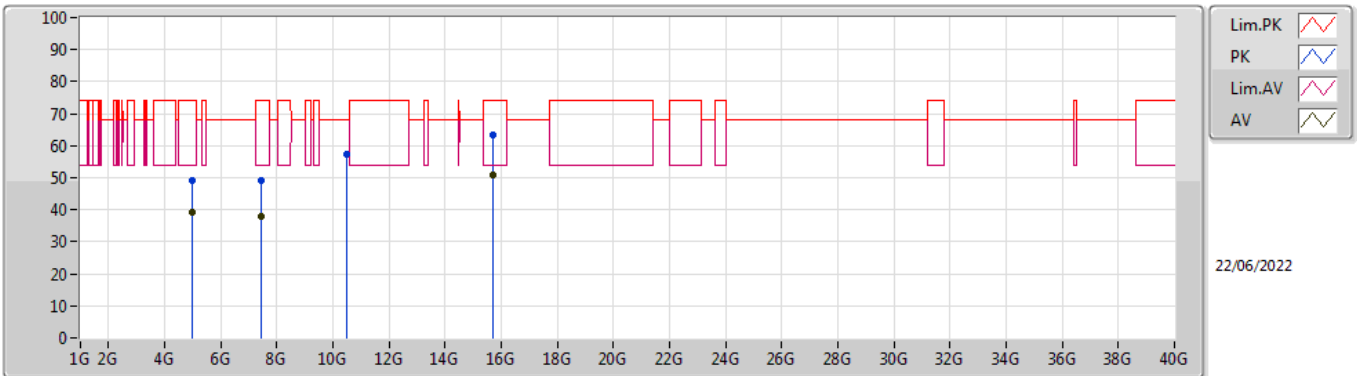
Type	Freq (Hz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBUV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.87394G	51.24	54.00	-2.76	4.61	3	Horizontal	357	1.69	-	46.63	32.75	6.30	34.44
AV	4.95911G	40.66	54.00	-13.34	5.07	3	Horizontal	40	2.33	-	35.59	33.14	6.36	34.43
AV	7.31178G	50.22	54.00	-3.78	10.08	3	Horizontal	28	2.49	-	40.14	36.75	8.14	34.81
AV	7.44049G	37.91	54.00	-16.09	9.92	3	Horizontal	231	1.79	-	27.99	36.60	8.17	34.85
PK	4.874G	53.94	74.00	-20.06	4.61	3	Horizontal	357	1.69	-	49.33	32.75	6.30	34.44
PK	4.96084G	48.84	74.00	-25.16	5.07	3	Horizontal	40	2.33	-	43.77	33.14	6.36	34.43
PK	7.3125G	56.22	74.00	-17.78	10.08	3	Horizontal	28	2.49	-	46.14	36.75	8.14	34.81
PK	7.43894G	48.90	74.00	-25.10	9.91	3	Horizontal	231	1.79	-	38.99	36.60	8.16	34.85

Radiated Emissions above 1GHz_Mode 2



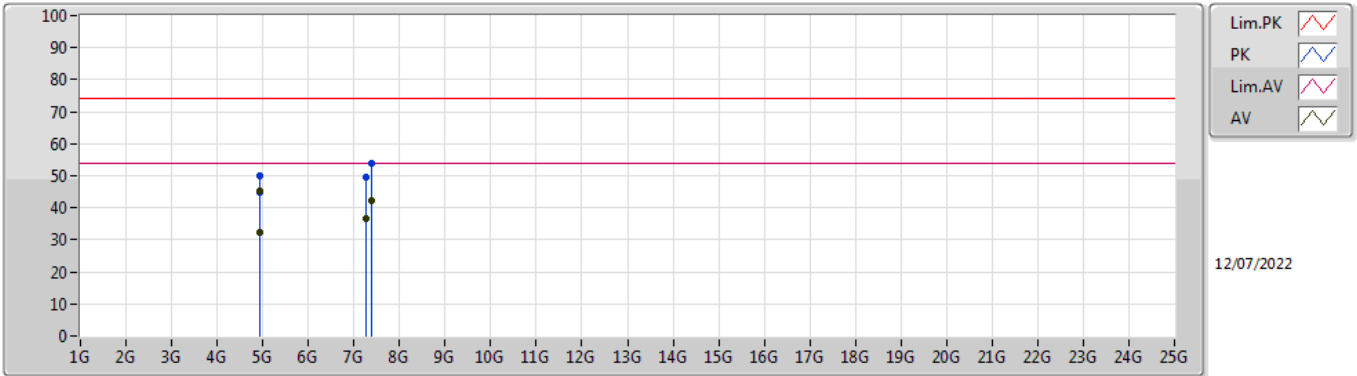
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.95902G	39.34	54.00	-14.66	5.07	3	Vertical	103	1.03	-	34.27	33.14	6.36	34.43
AV	7.44101G	38.00	54.00	-16.00	9.92	3	Vertical	14	1.47	-	28.08	36.60	8.17	34.85
AV	15.7212G	48.86	54.00	-5.14	15.54	3	Vertical	353	1.93	-	33.32	38.42	11.71	34.59
PK	4.95893G	49.36	74.00	-24.64	5.07	3	Vertical	103	1.03	-	44.29	33.14	6.36	34.43
PK	7.44076G	48.60	74.00	-25.40	9.92	3	Vertical	14	1.47	-	38.68	36.60	8.17	34.85
PK	10.47778G	55.85	68.20	-12.35	13.66	3	Vertical	328	1.00	-	42.19	38.62	9.55	34.51
PK	15.72294G	61.36	74.00	-12.64	15.54	3	Vertical	353	1.93	-	45.82	38.42	11.71	34.59

Radiated Emissions above 1GHz_Mode 2



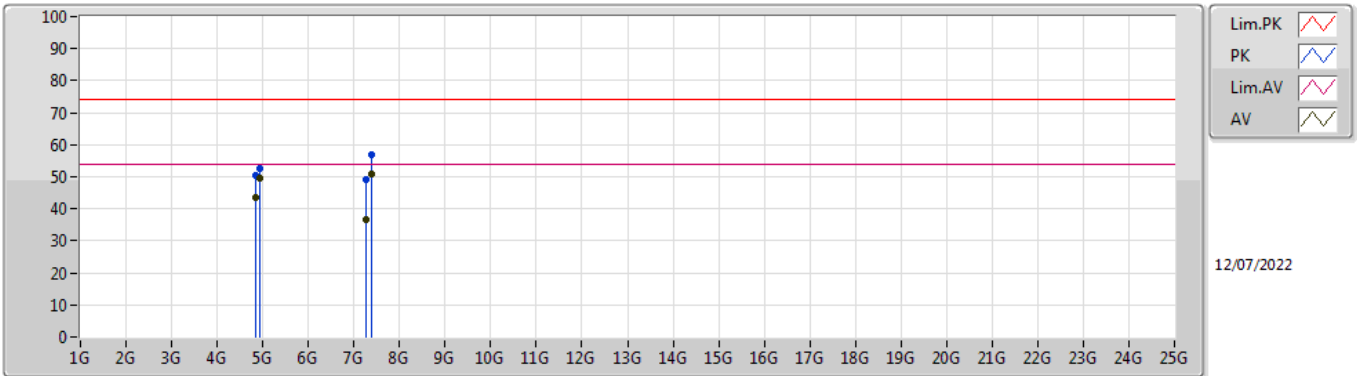
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.95908G	39.42	54.00	-14.58	5.07	3	Horizontal	104	1.05	-	34.35	33.14	6.36	34.43
AV	7.43944G	38.06	54.00	-15.94	9.92	3	Horizontal	280	1.53	-	28.14	36.60	8.17	34.85
AV	15.71766G	50.84	54.00	-3.16	15.54	3	Horizontal	300	1.02	-	35.30	38.42	11.71	34.59
PK	4.95917G	49.21	74.00	-24.79	5.07	3	Horizontal	104	1.05	-	44.14	33.14	6.36	34.43
PK	7.43873G	49.01	74.00	-24.99	9.91	3	Horizontal	280	1.53	-	39.10	36.60	8.16	34.85
PK	10.47688G	57.35	68.20	-10.85	13.65	3	Horizontal	51	2.81	-	43.70	38.62	9.55	34.52
PK	15.71742G	63.52	74.00	-10.48	15.54	3	Horizontal	300	1.02	-	47.98	38.42	11.71	34.59

Radiated Emissions above 1GHz_Mode 3



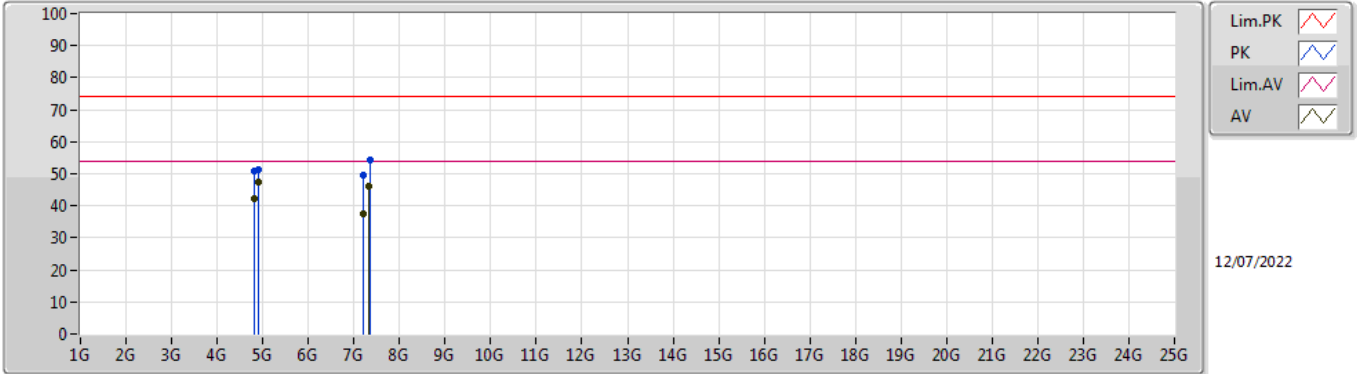
Type	Freq (Hz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBUV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.92401G	45.38	54.00	-8.62	4.83	3	Vertical	36	1.26	-	40.55	32.94	6.33	34.44
AV	4.929G	32.27	54.00	-21.73	4.87	3	Vertical	65	2.26	-	27.40	32.97	6.34	34.44
AV	7.272G	36.79	54.00	-17.21	10.16	3	Vertical	342	2.20	-	26.63	36.81	8.15	34.80
AV	7.386G	42.43	54.00	-11.57	9.96	3	Vertical	223	1.33	-	32.47	36.68	8.11	34.83
PK	4.9239G	49.92	74.00	-24.08	4.83	3	Vertical	36	1.26	-	45.09	32.94	6.33	34.44
PK	4.929G	44.71	74.00	-29.29	4.87	3	Vertical	65	2.26	-	39.84	32.97	6.34	34.44
PK	7.272G	49.58	74.00	-24.42	10.16	3	Vertical	342	2.20	-	39.42	36.81	8.15	34.80
PK	7.386G	53.67	74.00	-20.33	9.96	3	Vertical	223	1.33	-	43.71	36.68	8.11	34.83

Radiated Emissions above 1GHz_Mode 3



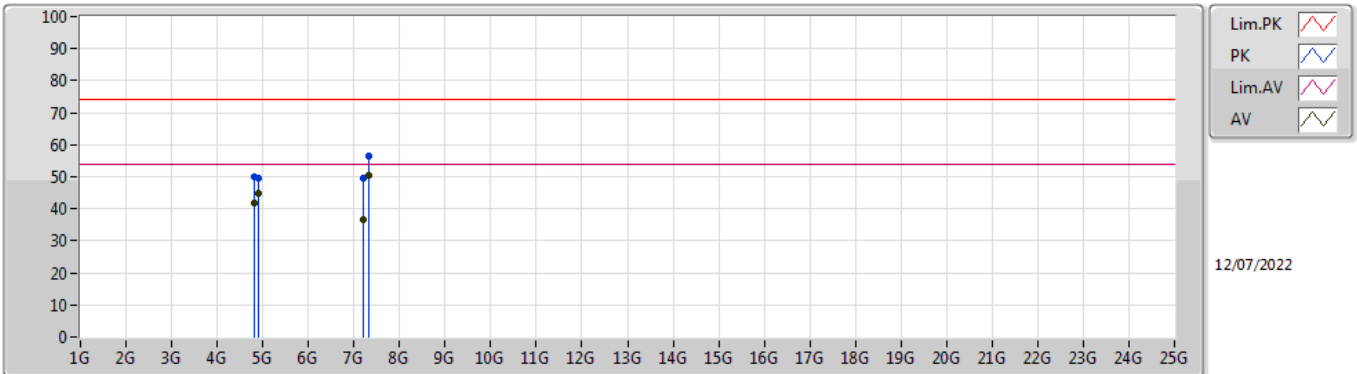
Type	Freq (Hz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBUV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.848G	43.40	54.00	-10.60	4.53	3	Horizontal	342	2.65	-	38.87	32.69	6.29	34.45
AV	4.924G	49.63	54.00	-4.37	4.83	3	Horizontal	353	1.50	-	44.80	32.94	6.33	34.44
AV	7.272G	36.51	54.00	-17.49	10.16	3	Horizontal	360	2.41	-	26.35	36.81	8.15	34.80
AV	7.38524G	50.87	54.00	-3.13	9.98	3	Horizontal	23	2.17	-	40.89	36.69	8.12	34.83
PK	4.848G	50.52	74.00	-23.48	4.53	3	Horizontal	342	2.65	-	45.99	32.69	6.29	34.45
PK	4.924G	52.61	74.00	-21.39	4.83	3	Horizontal	353	1.50	-	47.78	32.94	6.33	34.44
PK	7.272G	48.96	74.00	-25.04	10.16	3	Horizontal	360	2.41	-	38.80	36.81	8.15	34.80
PK	7.38671G	57.11	74.00	-16.89	9.96	3	Horizontal	23	2.17	-	47.15	36.68	8.11	34.83

Radiated Emissions above 1GHz_Mode 4



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)
AV	4.80795G	42.15	54.00	-11.85	4.34	3	Vertical	64	1.04	-	37.81	32.53	6.26	34.45
AV	4.89398G	47.41	54.00	-6.59	4.67	3	Vertical	47	1.47	-	42.74	32.79	6.32	34.44
AV	7.21261G	37.29	54.00	-16.71	10.23	3	Vertical	346	2.49	-	27.06	36.83	8.18	34.78
AV	7.34024G	46.01	54.00	-7.99	10.17	3	Vertical	312	1.70	-	35.84	36.86	8.13	34.82
PK	4.808G	50.71	74.00	-23.29	4.34	3	Vertical	64	1.04	-	46.37	32.53	6.26	34.45
PK	4.89394G	51.12	74.00	-22.88	4.67	3	Vertical	47	1.47	-	46.45	32.79	6.32	34.44
PK	7.2126G	49.56	74.00	-24.44	10.23	3	Vertical	346	2.49	-	39.33	36.83	8.18	34.78
PK	7.34176G	54.20	74.00	-19.80	10.18	3	Vertical	312	1.70	-	44.02	36.87	8.13	34.82

Radiated Emissions above 1GHz_Mode 4



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)
AV	4.80794G	41.85	54.00	-12.15	4.34	3	Horizontal	337	2.54	-	37.51	32.53	6.26	34.45
AV	4.89394G	44.99	54.00	-9.01	4.67	3	Horizontal	347	2.12	-	40.32	32.79	6.32	34.44
AV	7.21147G	36.56	54.00	-17.44	10.22	3	Horizontal	0	2.26	-	26.34	36.82	8.18	34.78
AV	7.34022G	50.51	54.00	-3.49	10.17	3	Horizontal	23	2.67	-	40.34	36.86	8.13	34.82
PK	4.80742G	50.17	74.00	-23.83	4.34	3	Horizontal	337	2.54	-	45.83	32.53	6.26	34.45
PK	4.89408G	49.39	74.00	-24.61	4.67	3	Horizontal	347	2.12	-	44.72	32.79	6.32	34.44
PK	7.21306G	49.60	74.00	-24.40	10.23	3	Horizontal	0	2.26	-	39.37	36.83	8.18	34.78
PK	7.34026G	56.41	74.00	-17.59	10.17	3	Horizontal	23	2.67	-	46.24	36.86	8.13	34.82