

FCC Radio Test Report

FCC ID : RX3-WBU058VZ
Equipment : IEEE 802.11 a/b/g/n/ac/ax 2x2+Bluetooth v5.2 Wireless Adapter
Brand Name : Foxconn
Model Name : WBU058-VZ
Applicant : Hon Hai Precision Industry Co., Ltd.
No.151, Sec. 1, Nankan Rd., Lujhu Dist., Taoyuan City 33859,
Taiwan
Manufacturer : Hon Hai Precision Industry Co., Ltd.
No.151, Sec. 1, Nankan Rd., Lujhu Dist., Taoyuan City 33859,
Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 10, 2022, and testing was started from Jan. 17, 2022 and completed on Jan. 19, 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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History of this test report

[illegible]

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: Jenny Yang

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	Foxconn	-	PCB	N/A
2	Foxconn	-	PCB	N/A
3	Foxconn	-	PCB	N/A
4	Foxconn	-	PCB	N/A

Ant.	Port	Gain (dBi)									
		2.4G	5G				6G				BT
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-5	U-NII-6	U-NII-7	U-NII-8	
1	1	1.00	2.50	2.68	3.07	2.75	4.35	4.35	4.43	4.02	-
2	2	0.77	0.89	1.68	3.67	3.67	3.37	3.85	5.77	5.78	-
3	2	-	-	-	-	-	-	-	-	-	2.83
4	1	-	-	-	-	-	-	-	-	-	2.97

Note 1: The EUT has four antennas.

For 2.4GHz function:

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

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

For BT function:

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

Support diversity function and pre-tested on each single chain, the worst case was Ant. 4(port 1) and it was recorded in this test report.

For 5GHz function:

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

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

1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
BT-BR(1Mbps)_1TX(Port1)	0.739	1.31	2.881m	1k
BT-EDR(2Mbps)_1TX(Port1)	0.74	1.31	2.885m	1k
BT-EDR(3Mbps)_1TX(Port1)	0.741	1.3	2.887m	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				
☒ 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	Jack Tang	20.9~21.9°C / 54~57%	19/Jan/2022
RF Conducted	TH06-HY	Yuna Lin	22.1~26.2°C / 52~60%	18/Jan/2022~19/Jan/2022
Radiated	03CH02-HY	Lego Lin	20.2~23.8°C / 55~60%	17/Jan/2022~19/Jan/2022
☐ 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
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 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	WCN_Combo_Tool v2.20.36.0
Mode	Power Setting
BT-BR(1Mbps)_1TX(Port1)	-
2402MHz	8
2440MHz	8
2480MHz	8
BT-EDR(2Mbps)_1TX(Port1)	-
2402MHz	10
2440MHz	10
2480MHz	11
BT-EDR(3Mbps)_1TX(Port1)	-
2402MHz	10
2440MHz	10
2480MHz	11

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 ☒ Non-adaptive frequency hopping systems (Non-AFH) ☒ adaptive frequency hopping systems (AFH)
Non-AFH Mode configuration was found to be the worst case and measured during the test.	

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
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
3	Bluetooth+WLAN 6GHz
Refer to Sporton Test Report No.: FA211002 for Co-location RF Exposure Evaluation.	

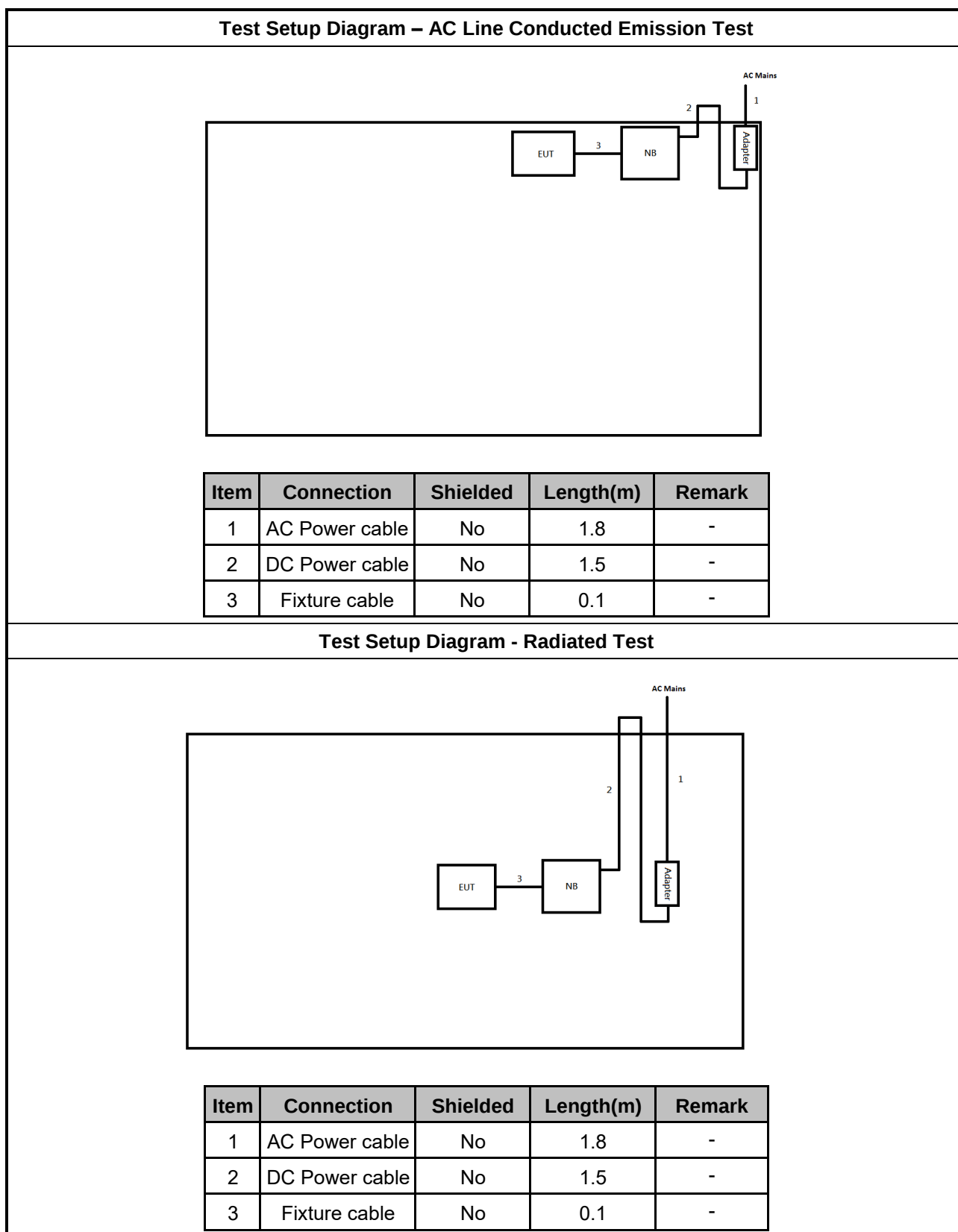
2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	5220M	-	-
2	Adapter for NB	HP	PPP012L-E	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Fixture	-	-	-	-
2	Notebook	DELL	E5410	-	-
3	Adapter for NB	DELL	HA65NM130	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	5220M	-	-
2	Adapter for NB	HP	PPP012L-E	-	-

2.4 Test Setup Diagram



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

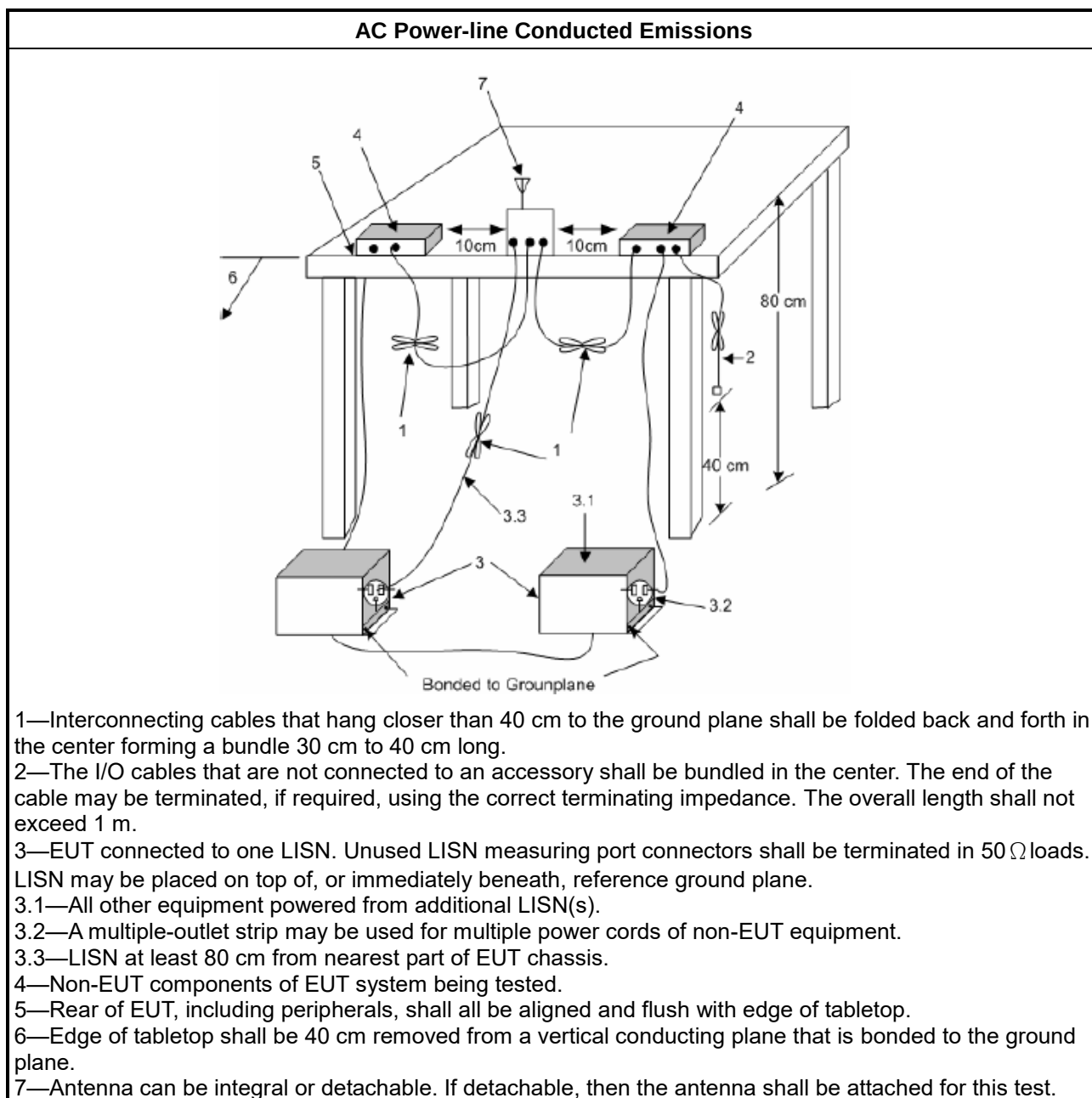
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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	
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).
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

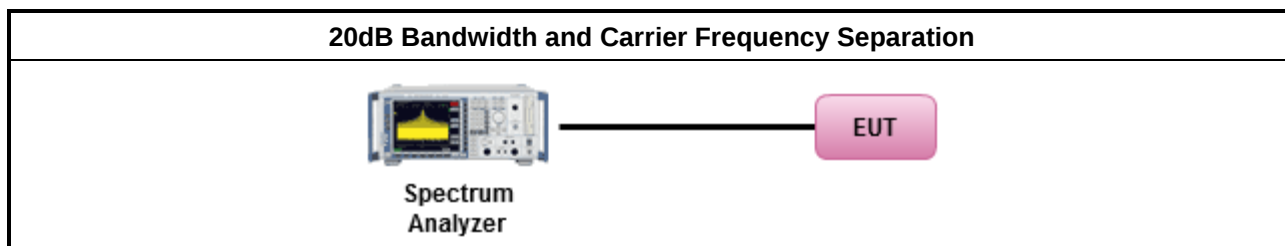
3.2.2 Measuring Instruments

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 6.9.2 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	
2400-2483.5 MHz Band:	
	$N \geq 75$; Power 30dBm; EIRP 36dBm
	$75 > N \geq 15$; Power 21dBm; EIRP 27dBm
N: Number of Hopping Frequencies	

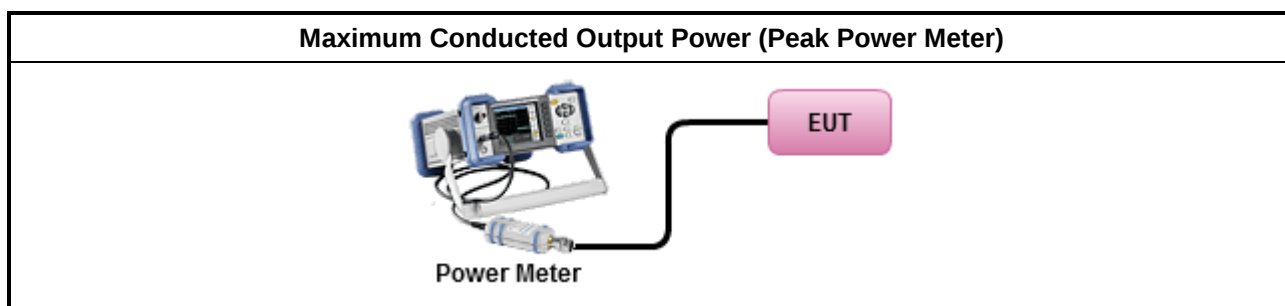
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
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	
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).
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

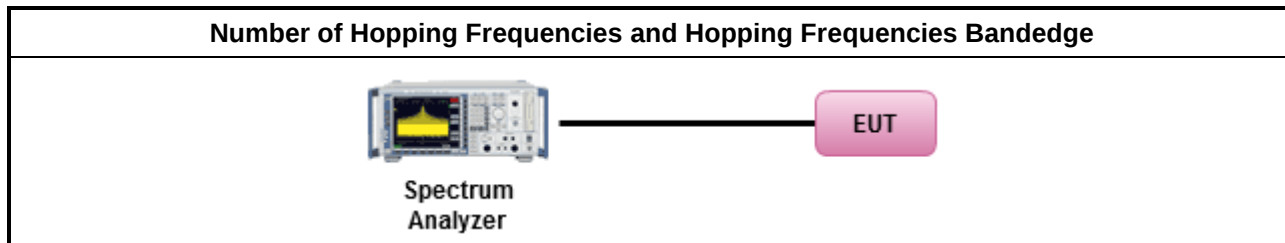
3.4.3 Measuring Instruments

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

Time of Occupancy (Dwell Time) Limit for Frequency Hopping Systems	
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
N: Number of Hopping Frequencies	

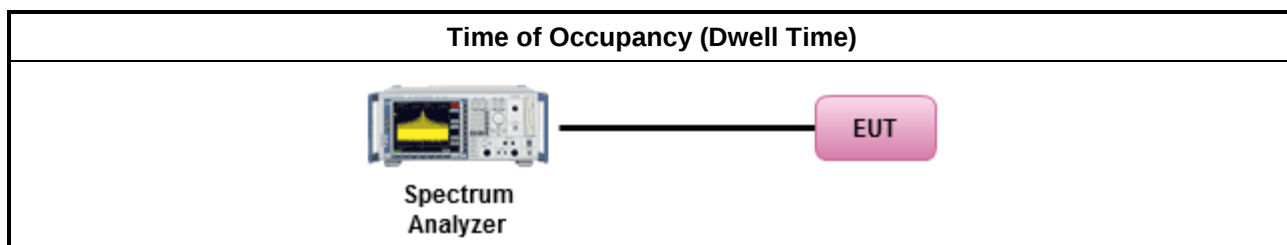
3.5.2 Measuring Instruments

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 (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.	

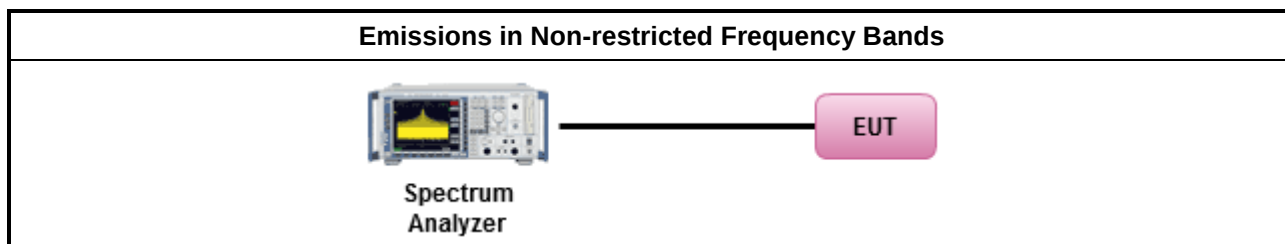
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method
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

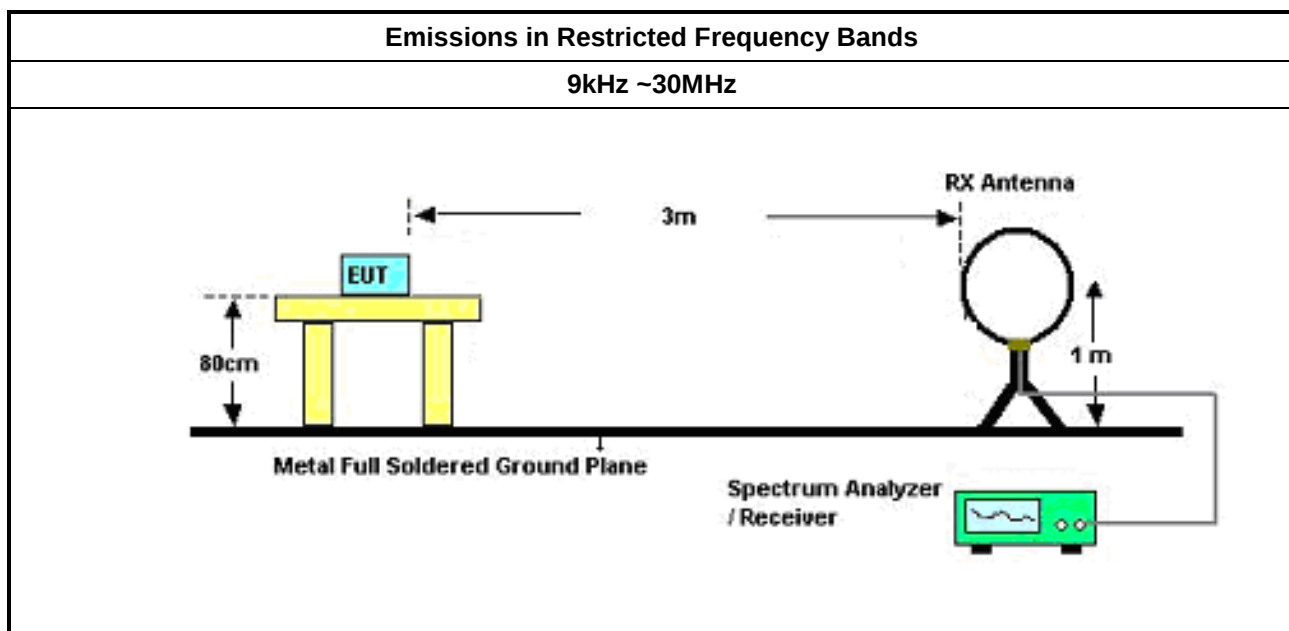
Test Method	
- The average emission levels shall be measured in [hopping duty factor]. - Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band. - For the transmitter unwanted emissions shall 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.	

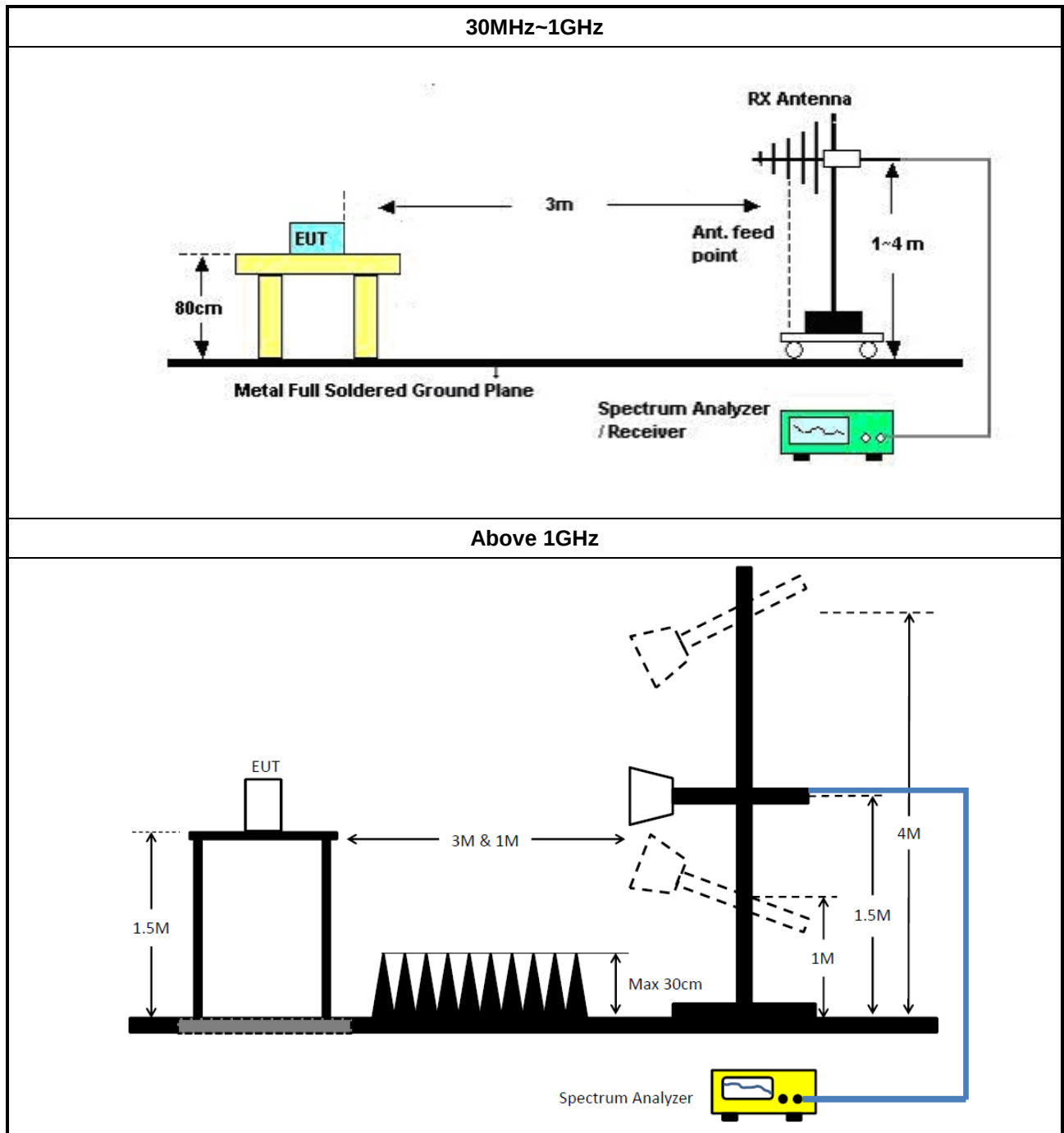
3.7.4 Measurement Results Calculation

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	ESR3	102051	9kHz ~ 3.6GHz	21/May/2021	20/May/2022
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	12/Jan/2022	11/Jan/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9kHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.7.14	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	20/Oct/2021	19/Oct/2022
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2021	24/Mar/2022
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2021	24/Mar/2022
SENSE-15247_FS	Sporton	V5.10.7.13	N/A	N/A	N/A	N/A

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	03CH02-HY	30MHz~1GHz 3m	02/Aug/2021	01/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	01/Aug/2021	31/Jul/2022
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2021	28/Jun/2022
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	03/Nov/2021	02/Nov/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	04/Sep/2021	03/Sep/2022
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	04/Jun/2021	03/Jun/2022
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022
SENSE-15247_FS	Sporton	V5.10.7.13	N/A	N/A	N/A	N/A



Conducted Emissions at Powerline

Appendix A

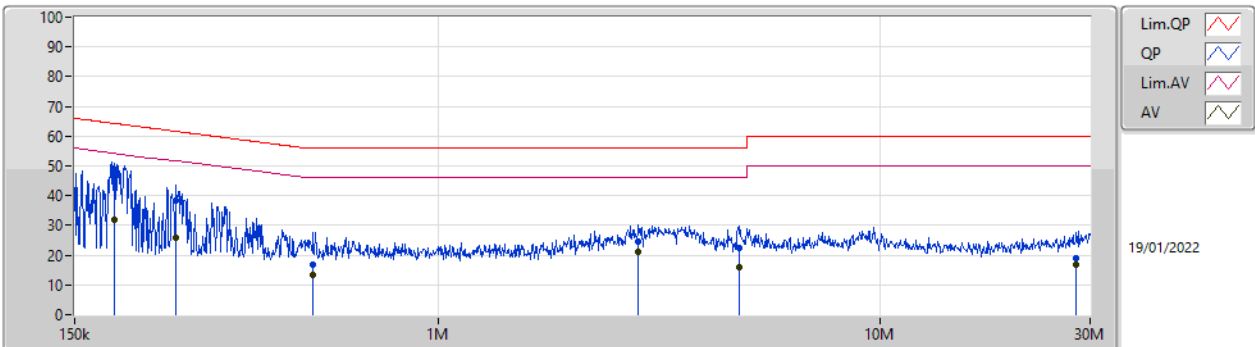
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	184.605k	46.65	64.28	-17.63	Line

Mode config

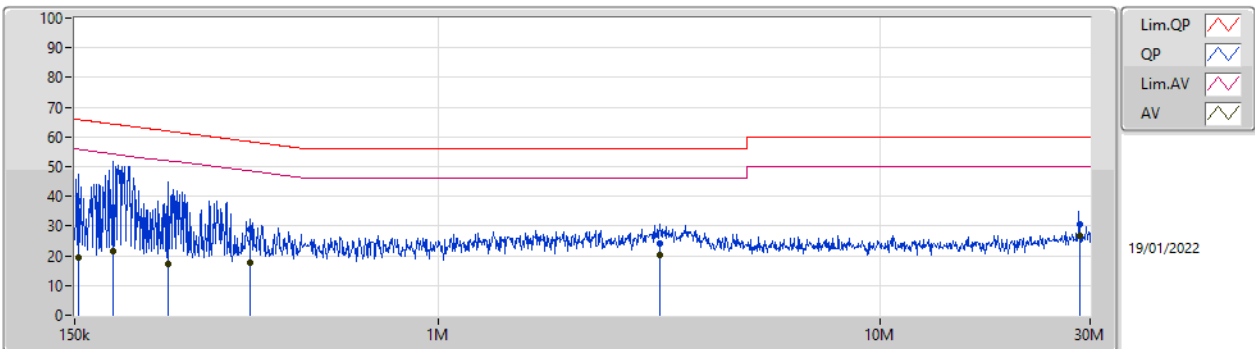
Mode	Result	Type	Freq (Hz)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	184.605k	46.65	64.28	-17.63	Line	-
Mode 1	Pass	AV	184.605k	32.02	54.28	-22.26	Line	-
Mode 1	Pass	QP	255.079k	38.32	61.58	-23.26	Line	-
Mode 1	Pass	AV	255.079k	25.73	51.58	-25.85	Line	-
Mode 1	Pass	QP	521.206k	16.85	56.00	-39.15	Line	-
Mode 1	Pass	AV	521.206k	13.45	46.00	-32.55	Line	-
Mode 1	Pass	QP	2.843M	24.62	56.00	-31.38	Line	-
Mode 1	Pass	AV	2.843M	20.99	46.00	-25.01	Line	-
Mode 1	Pass	QP	4.797M	22.48	56.00	-33.52	Line	-
Mode 1	Pass	AV	4.797M	16.16	46.00	-29.84	Line	-
Mode 1	Pass	QP	27.895M	19.03	60.00	-40.97	Line	-
Mode 1	Pass	AV	27.895M	16.79	50.00	-33.21	Line	-
Mode 1	Pass	QP	153.024k	38.42	65.83	-27.41	Neutral	-
Mode 1	Pass	AV	153.024k	19.20	55.83	-36.63	Neutral	-
Mode 1	Pass	QP	183.87k	36.41	64.30	-27.89	Neutral	-
Mode 1	Pass	AV	183.87k	21.34	54.30	-32.96	Neutral	-
Mode 1	Pass	QP	245.097k	31.44	61.93	-30.49	Neutral	-
Mode 1	Pass	AV	245.097k	17.40	51.93	-34.53	Neutral	-
Mode 1	Pass	QP	375.703k	28.70	58.37	-29.67	Neutral	-
Mode 1	Pass	AV	375.703k	17.88	48.37	-30.49	Neutral	-
Mode 1	Pass	QP	3.18M	24.04	56.00	-31.96	Neutral	-
Mode 1	Pass	AV	3.18M	20.05	46.00	-25.95	Neutral	-
Mode 1	Pass	QP	28.344M	30.47	60.00	-29.53	Neutral	-
Mode 1	Pass	AV	28.344M	26.79	50.00	-23.21	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	184.605k	46.65	64.28	-17.63	19.56	Line	-	27.09	9.61	0.04	9.91			
AV	184.605k	32.02	54.28	-22.26	19.56	Line	-	12.46	9.61	0.04	9.91			
QP	255.079k	38.32	61.58	-23.26	19.57	Line	-	18.75	9.61	0.05	9.91			
AV	255.079k	25.73	51.58	-25.85	19.57	Line	-	6.16	9.61	0.05	9.91			
QP	521.206k	16.85	56.00	-39.15	19.58	Line	-	-2.73	9.60	0.07	9.91			
AV	521.206k	13.45	46.00	-32.55	19.58	Line	-	-6.13	9.60	0.07	9.91			
QP	2.843M	24.62	56.00	-31.38	19.67	Line	-	4.95	9.63	0.12	9.92			
AV	2.843M	20.99	46.00	-25.01	19.67	Line	-	1.32	9.63	0.12	9.92			
QP	4.797M	22.48	56.00	-33.52	19.70	Line	-	2.78	9.63	0.15	9.92			
AV	4.797M	16.16	46.00	-29.84	19.70	Line	-	-3.54	9.63	0.15	9.92			
QP	27.895M	19.03	60.00	-40.97	19.74	Line	-	-0.71	9.47	0.33	9.94			
AV	27.895M	16.79	50.00	-33.21	19.74	Line	-	-2.95	9.47	0.33	9.94			

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	38.42	65.83	-27.41	19.54	Neutral	-	18.88	9.59	0.04	9.91			
AV	153.024k	19.20	55.83	-36.63	19.54	Neutral	-	-0.34	9.59	0.04	9.91			
QP	183.87k	36.41	64.30	-27.89	19.54	Neutral	-	16.87	9.59	0.04	9.91			
AV	183.87k	21.34	54.30	-32.96	19.54	Neutral	-	1.80	9.59	0.04	9.91			
QP	245.097k	31.44	61.93	-30.49	19.55	Neutral	-	11.89	9.59	0.05	9.91			
AV	245.097k	17.40	51.93	-34.53	19.55	Neutral	-	-2.15	9.59	0.05	9.91			
QP	375.703k	28.70	58.37	-29.67	19.55	Neutral	-	9.15	9.58	0.06	9.91			
AV	375.703k	17.88	48.37	-30.49	19.55	Neutral	-	-1.67	9.58	0.06	9.91			
QP	3.18M	24.04	56.00	-31.96	19.66	Neutral	-	4.38	9.61	0.13	9.92			
AV	3.18M	20.05	46.00	-25.95	19.66	Neutral	-	0.39	9.61	0.13	9.92			
QP	28.344M	30.47	60.00	-29.53	19.92	Neutral	-	10.55	9.65	0.33	9.94			
AV	28.344M	26.79	50.00	-23.21	19.92	Neutral	-	6.87	9.65	0.33	9.94			

**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)_1TX(Port1)	798.75k	762.119k	762KF1D	797.5k	759.62k
BT-EDR(2Mbps)_1TX(Port1)	1.316M	1.187M	1M19G1D	1.311M	1.184M
BT-EDR(3Mbps)_1TX(Port1)	1.296M	1.203M	1M20G1D	1.281M	1.192M

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)_1TX(Port1)	-	-	-	-
2402MHz	Pass	Inf	797.5k	762.119k
2440MHz	Pass	Inf	798.75k	759.62k
2480MHz	Pass	Inf	797.5k	760.87k
BT-EDR(2Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	Inf	1.311M	1.187M
2440MHz	Pass	Inf	1.316M	1.184M
2480MHz	Pass	Inf	1.315M	1.187M
BT-EDR(3Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	Inf	1.284M	1.196M
2440MHz	Pass	Inf	1.296M	1.192M
2480MHz	Pass	Inf	1.281M	1.203M

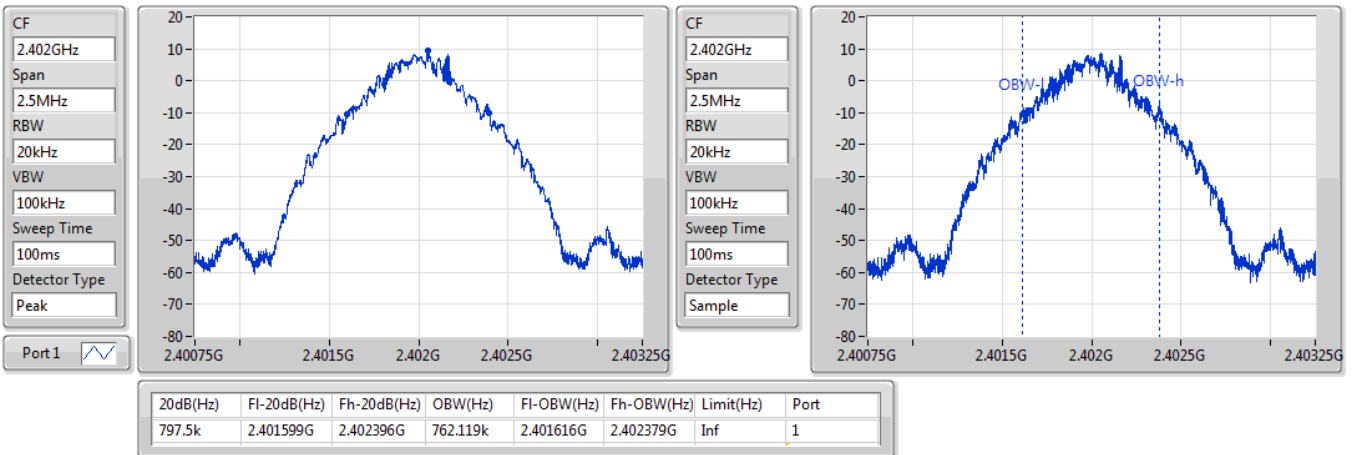
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

BT-BR(1Mbps)_1TX(Port1)

EBW-FS

2402MHz

18/01/2022

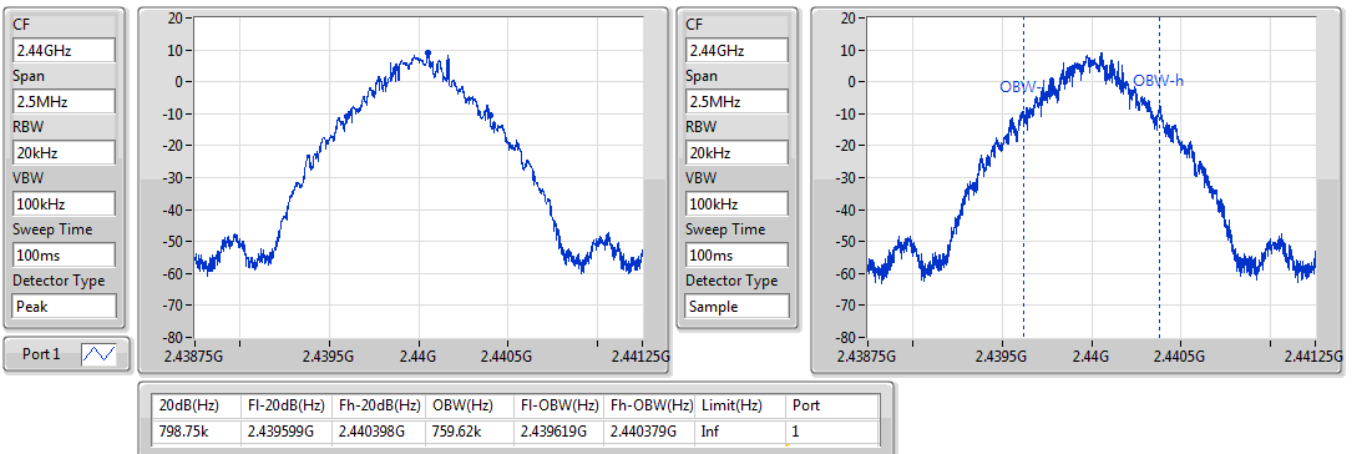


BT-BR(1Mbps)_1TX(Port1)

EBW-FS

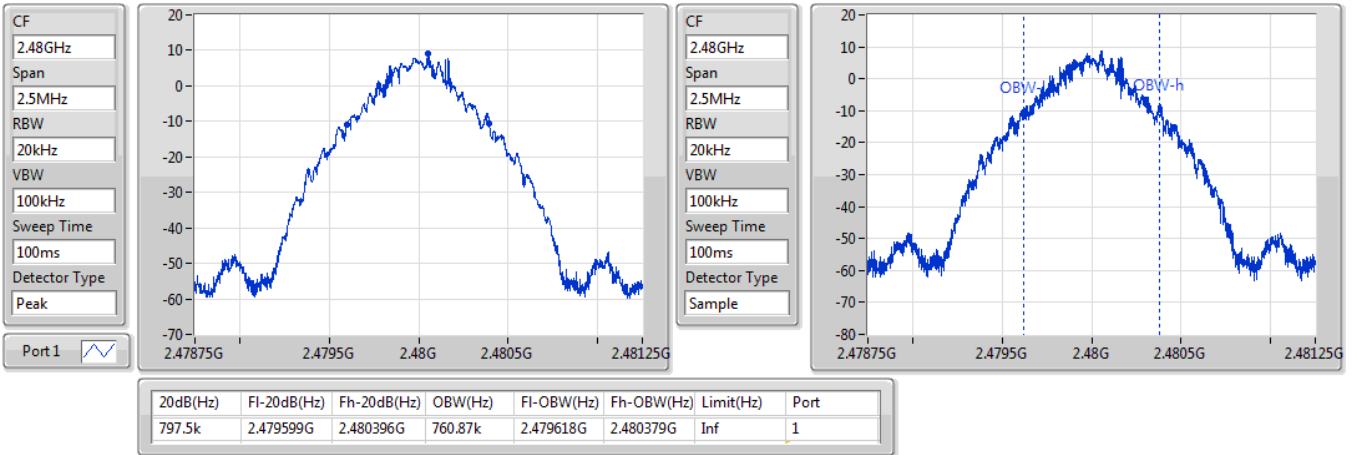
2440MHz

18/01/2022

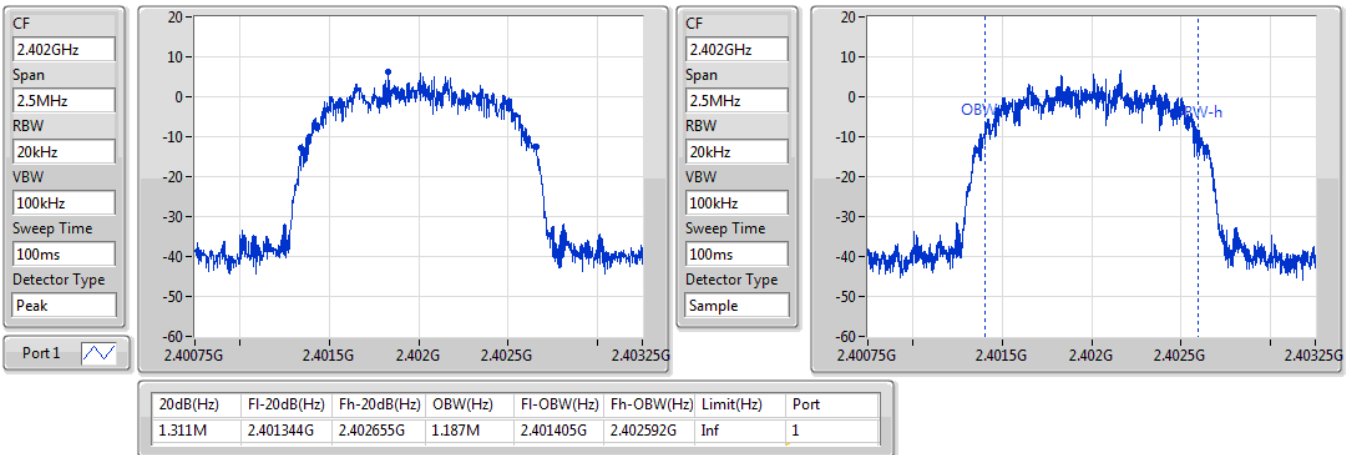


BT-BR(1Mbps)_1TX(Port1)
EBW-FS
2480MHz

18/01/2022


BT-EDR(2Mbps)_1TX(Port1)
EBW-FS
2402MHz

19/01/2022

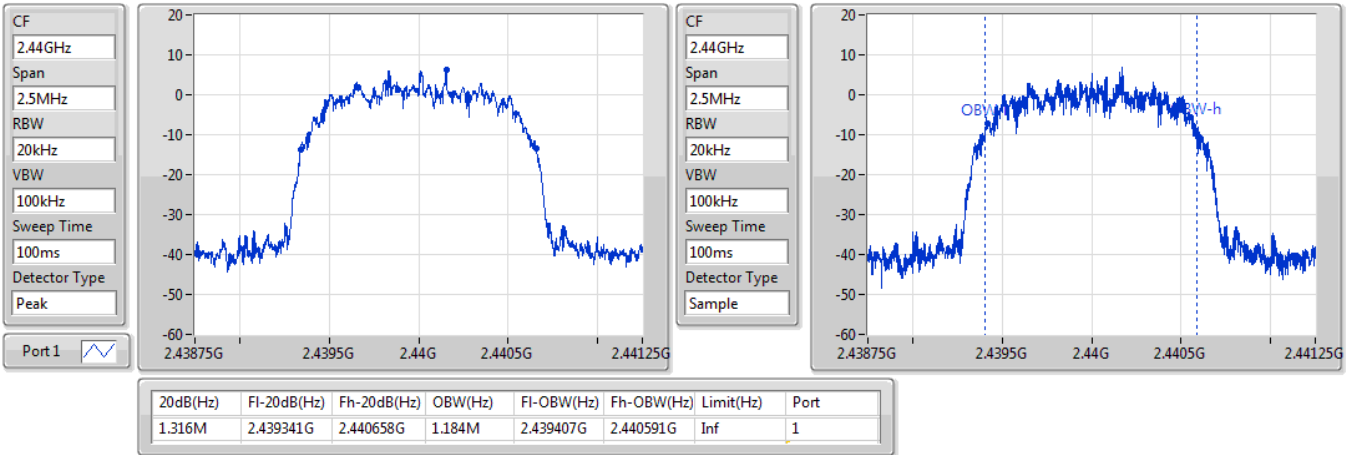


BT-EDR(2Mbps)_1TX(Port1)

EBW-FS

2440MHz

19/01/2022

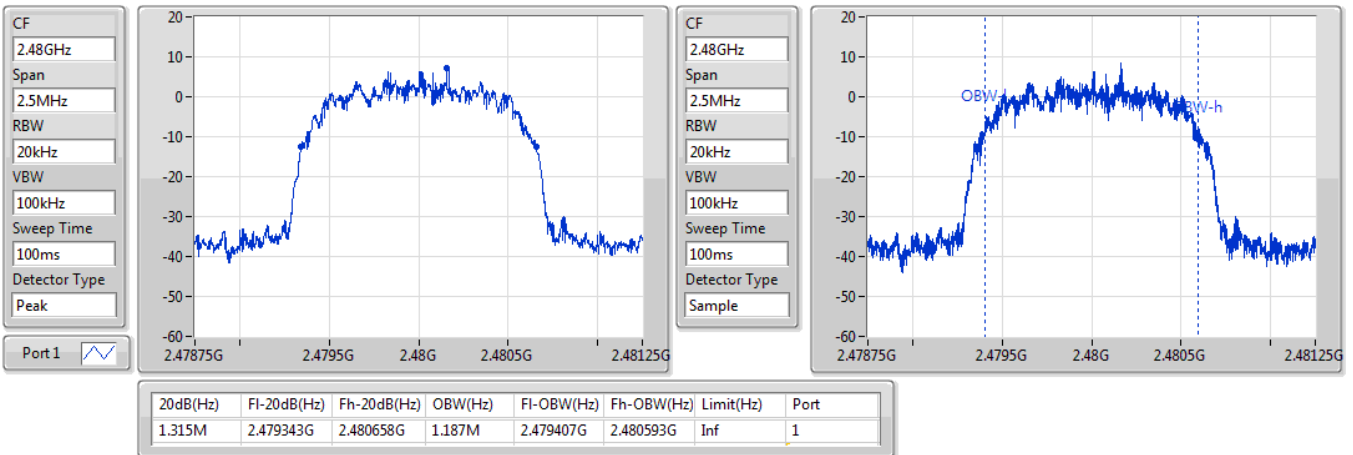


BT-EDR(2Mbps)_1TX(Port1)

EBW-FS

2480MHz

19/01/2022

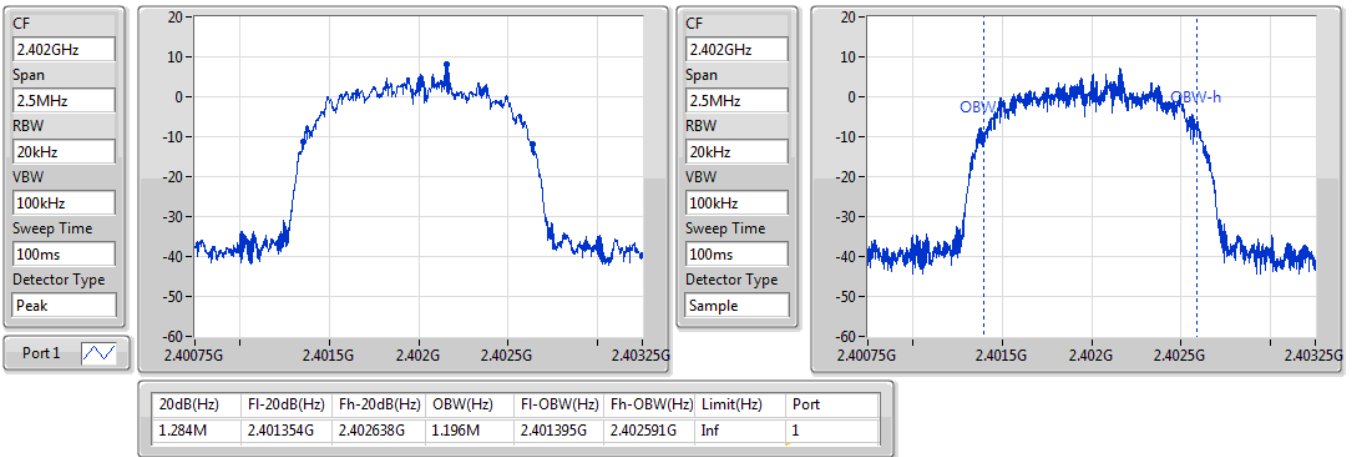


BT-EDR(3Mbps)_1TX(Port1)

EBW-FS

2402MHz

18/01/2022

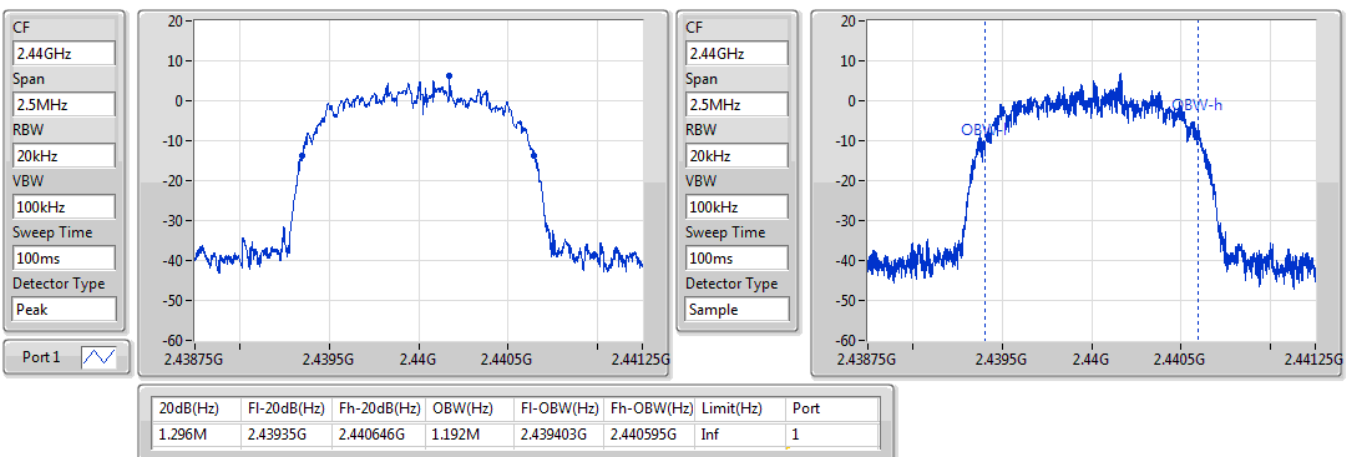


BT-EDR(3Mbps)_1TX(Port1)

EBW-FS

2440MHz

19/01/2022

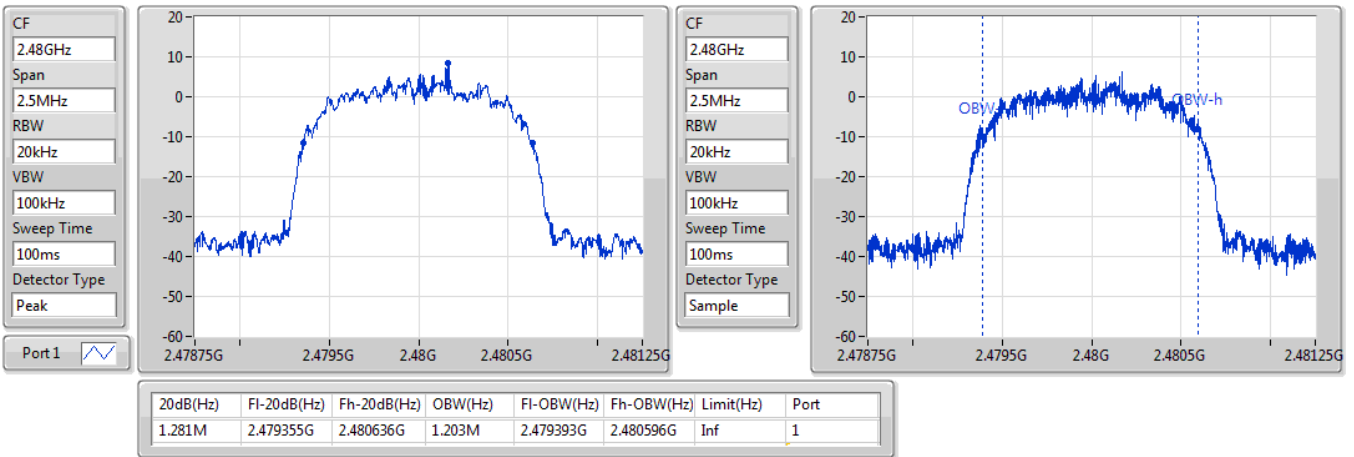


BT-EDR(3Mbps)_1TX(Port1)

2480MHz

EBW-FS

19/01/2022





Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)_1TX(Port1)	1.002M	999k
BT-EDR(2Mbps)_1TX(Port1)	1.002M	1.0005M
BT-EDR(3Mbps)_1TX(Port1)	1.0035M	1.0005M

Result

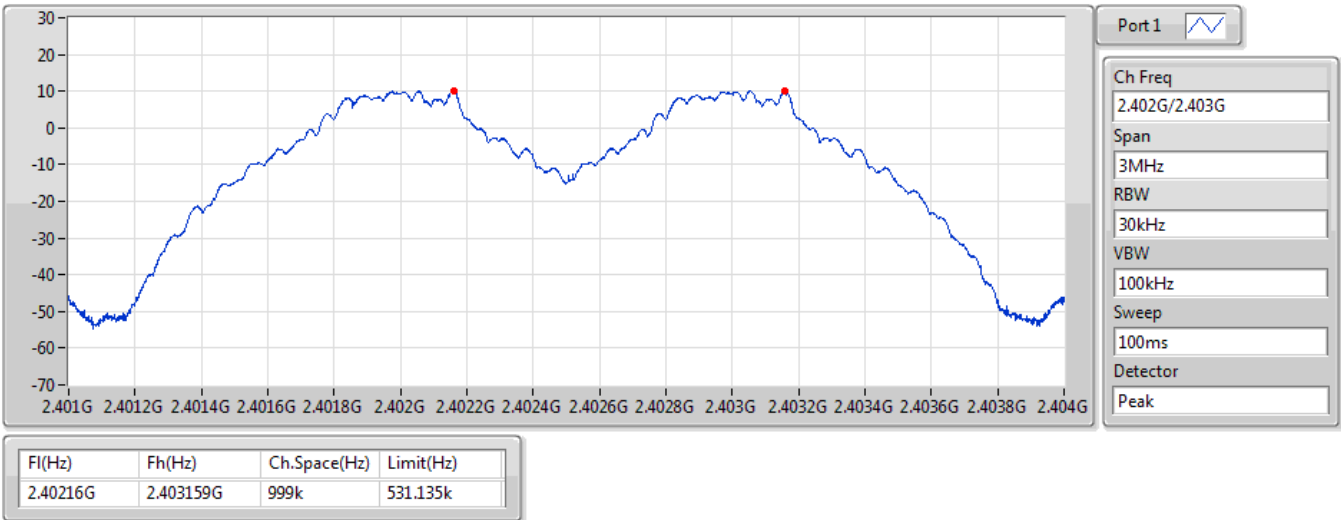
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)_1TX(Port1)	-	-	-	-	-
2402MHz	Pass	2.40216G	2.403159G	999k	531.135k
2440MHz	Pass	2.44016G	2.44116G	1.0005M	531.9675k
2480MHz	Pass	2.47916G	2.480162G	1.002M	531.135k
BT-EDR(2Mbps)_1TX(Port1)	-	-	-	-	-
2402MHz	Pass	2.40216G	2.403162G	1.002M	868.464k
2440MHz	Pass	2.44016G	2.441162G	1.002M	867.798k
2480MHz	Pass	2.479161G	2.480162G	1.0005M	873.126k
BT-EDR(3Mbps)_1TX(Port1)	-	-	-	-	-
2402MHz	Pass	2.40216G	2.403162G	1.002M	855.144k
2440MHz	Pass	2.440155G	2.441159G	1.0035M	863.136k
2480MHz	Pass	2.479158G	2.480159G	1.0005M	854.478k

BT-BR(1Mbps)_1TX(Port1)

Channel Separation-FS

2.402G/2.403GHz

18/01/2022

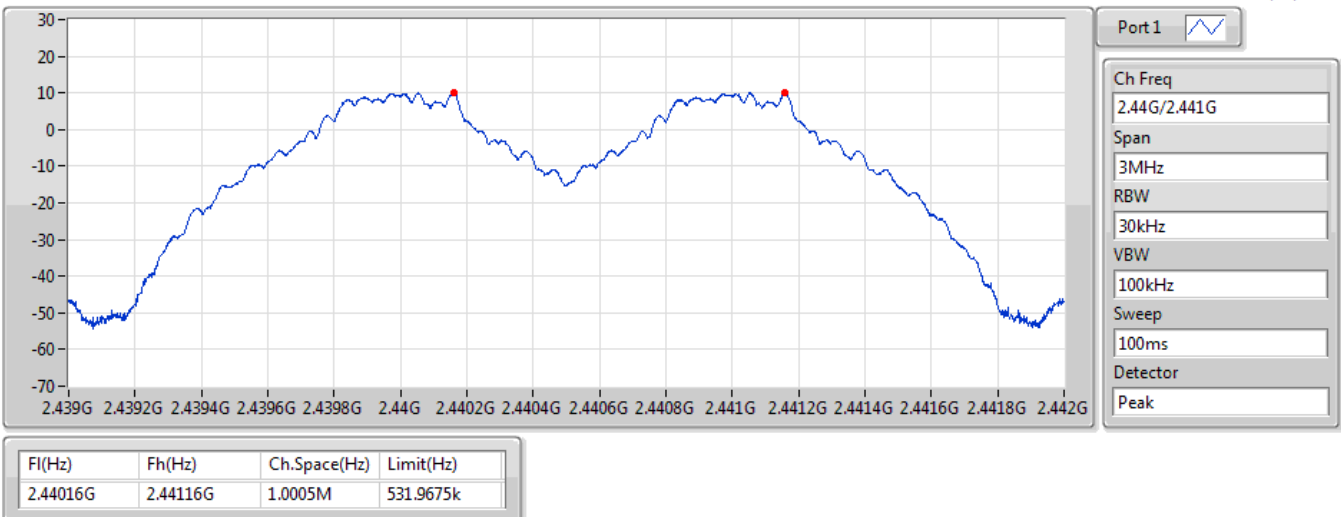


BT-BR(1Mbps)_1TX(Port1)

Channel Separation-FS

2.44G/2.441GHz

18/01/2022

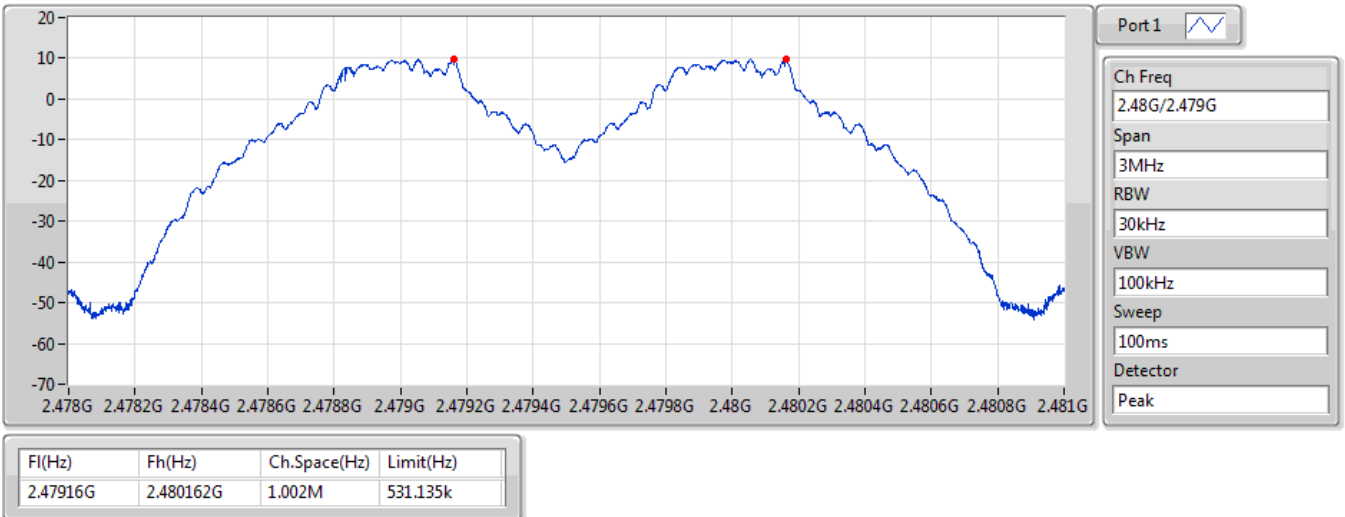


BT-BR(1Mbps)_1TX(Port1)

Channel Separation-FS

2.48G/2.479GHz

18/01/2022

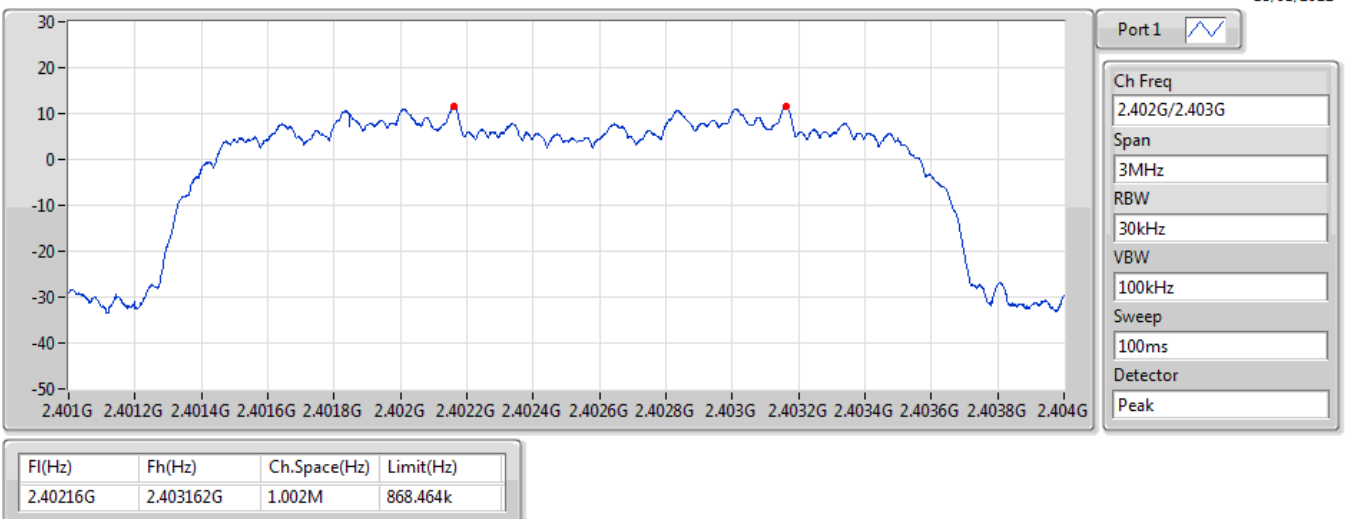


BT-EDR(2Mbps)_1TX(Port1)

Channel Separation-FS

2.402G/2.403GHz

18/01/2022

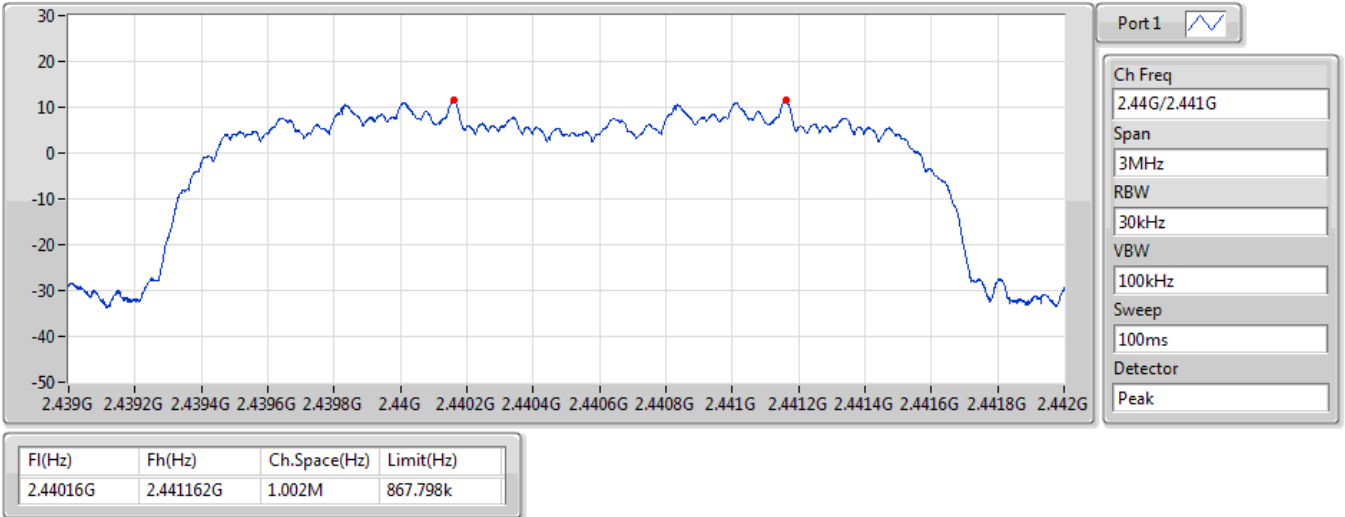


BT-EDR(2Mbps)_1TX(Port1)

Channel Separation-FS

2.44G/2.441GHz

18/01/2022

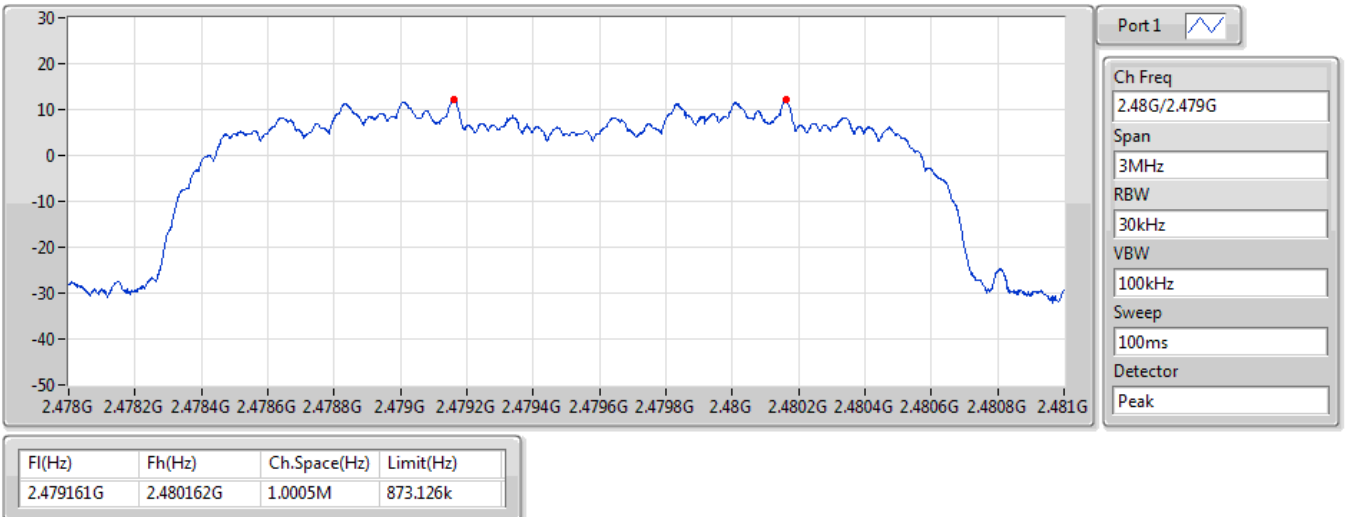


BT-EDR(2Mbps)_1TX(Port1)

Channel Separation-FS

2.48G/2.479GHz

18/01/2022

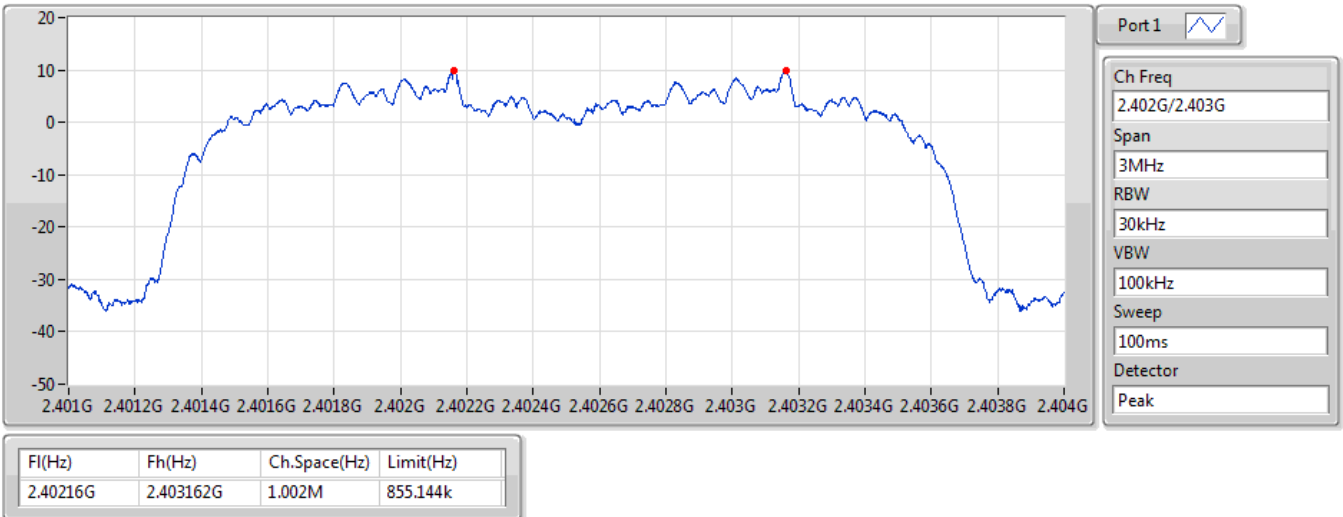


BT-EDR(3Mbps)_1TX(Port1)

Channel Separation-FS

2.402G/2.403GHz

18/01/2022

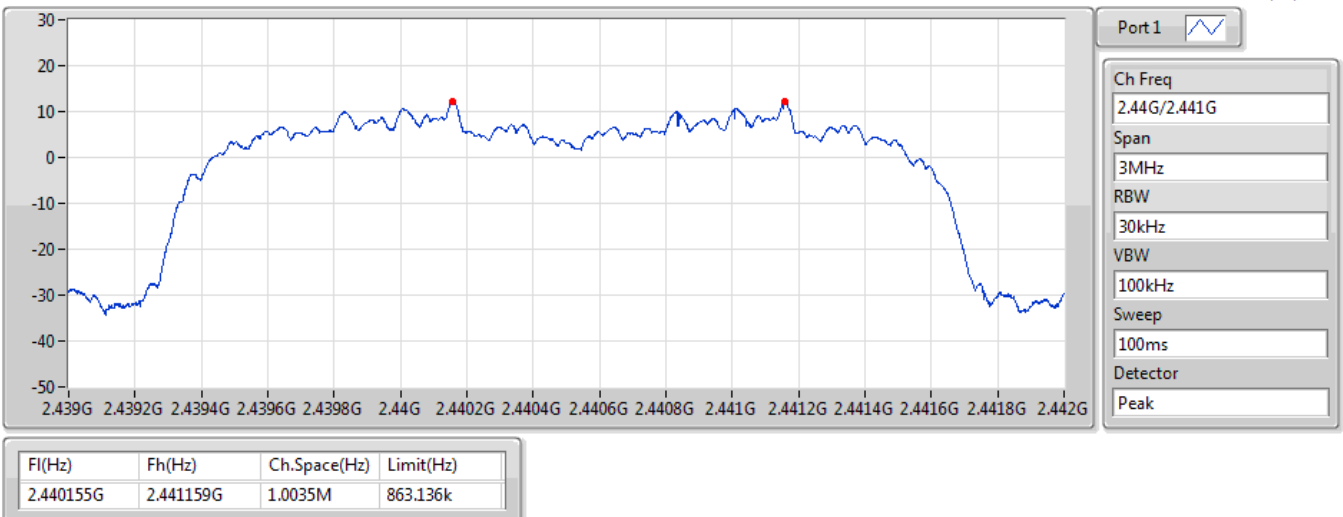


BT-EDR(3Mbps)_1TX(Port1)

Channel Separation-FS

2.44G/2.441GHz

18/01/2022

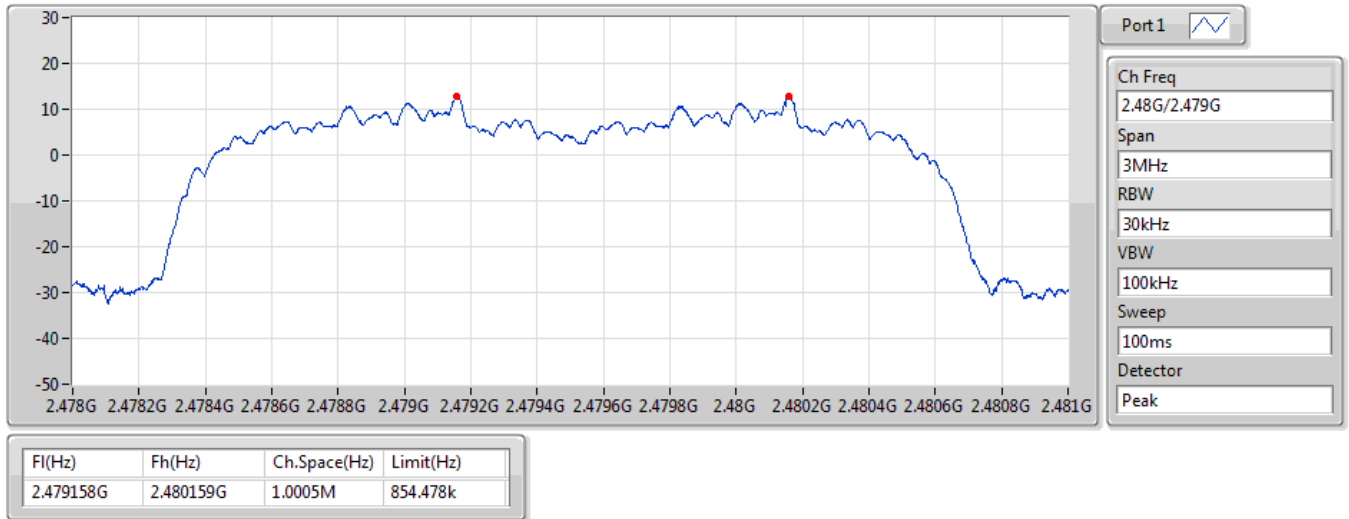


BT-EDR(3Mbps)_1TX(Port1)

2.48G/2.479GHz

Channel Separation-FS

18/01/2022





Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)_1TX(Port1)	13.04	0.02014
BT-EDR(2Mbps)_1TX(Port1)	14.66	0.02924
BT-EDR(3Mbps)_1TX(Port1)	14.78	0.03006

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	2.97	12.97	21.00
2440MHz	Pass	2.97	13.04	21.00
2480MHz	Pass	2.97	12.72	21.00
BT-EDR(2Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	2.97	14.45	21.00
2440MHz	Pass	2.97	14.28	21.00
2480MHz	Pass	2.97	14.66	21.00
BT-EDR(3Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	2.97	14.65	21.00
2440MHz	Pass	2.97	14.52	21.00
2480MHz	Pass	2.97	14.78	21.00

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



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)_1TX(Port1)	12.78	0.01897
BT-EDR(2Mbps)_1TX(Port1)	12.89	0.01945
BT-EDR(3Mbps)_1TX(Port1)	12.89	0.01945

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	2.97	12.78	21.00
2440MHz	Pass	2.97	12.57	21.00
2480MHz	Pass	2.97	12.16	21.00
BT-EDR(2Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	2.97	12.40	21.00
2440MHz	Pass	2.97	12.08	21.00
2480MHz	Pass	2.97	12.89	21.00
BT-EDR(3Mbps)_1TX(Port1)	-	-	-	-
2402MHz	Pass	2.97	12.36	21.00
2440MHz	Pass	2.97	12.05	21.00
2480MHz	Pass	2.97	12.89	21.00

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



Summary

Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)_1TX(Port1)	79
BT-EDR(2Mbps)_1TX(Port1)	79
BT-EDR(3Mbps)_1TX(Port1)	79



Result

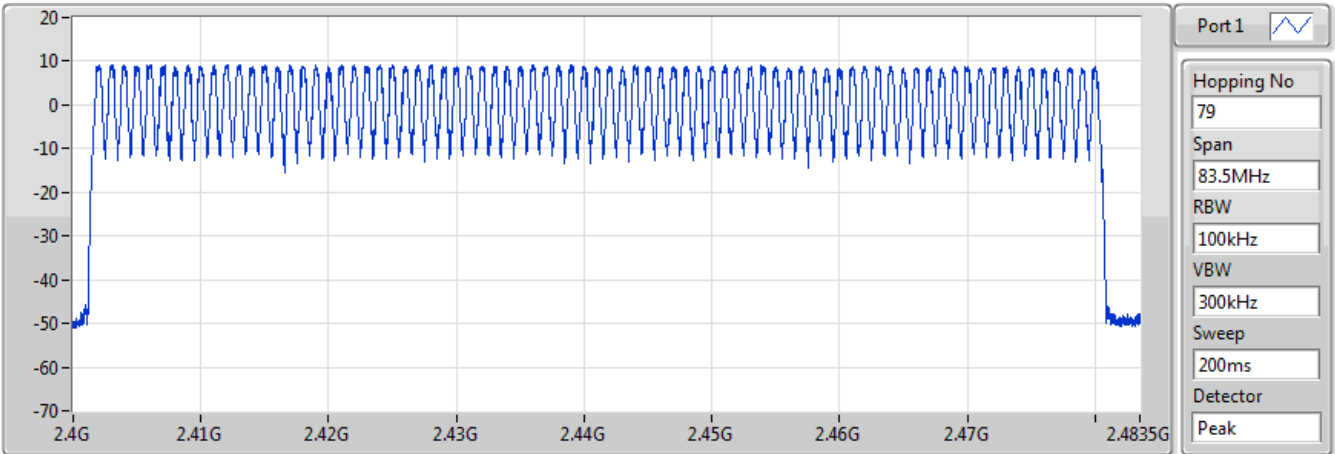
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)_1TX(Port1)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)_1TX(Port1)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)_1TX(Port1)	-	-	-
2440MHz	Pass	79	15

BT-BR(1Mbps)_1TX(Port1)

Hopping-FS

2440MHz

19/01/2022



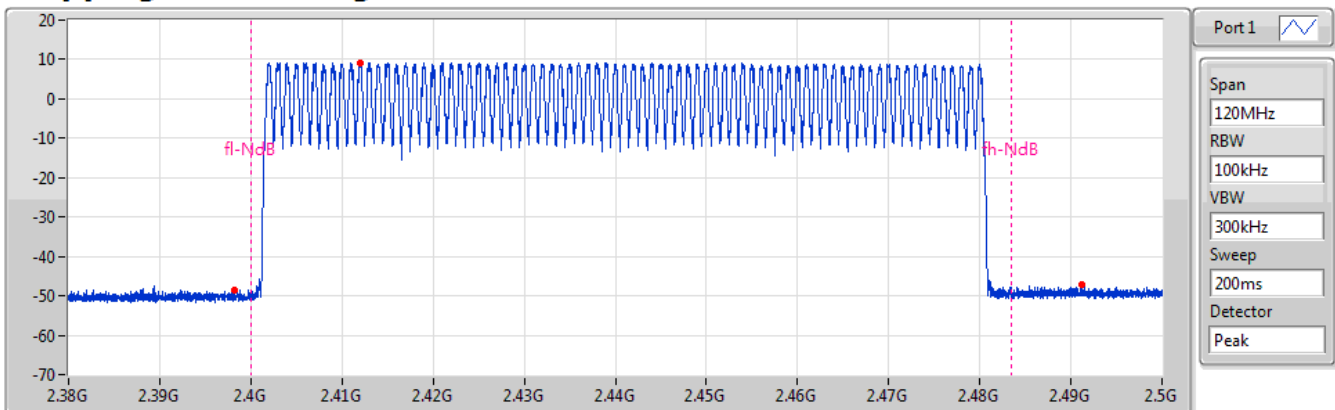
Hopping No	Limit
79	15

BT-BR(1Mbps)_1TX(Port1)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

19/01/2022



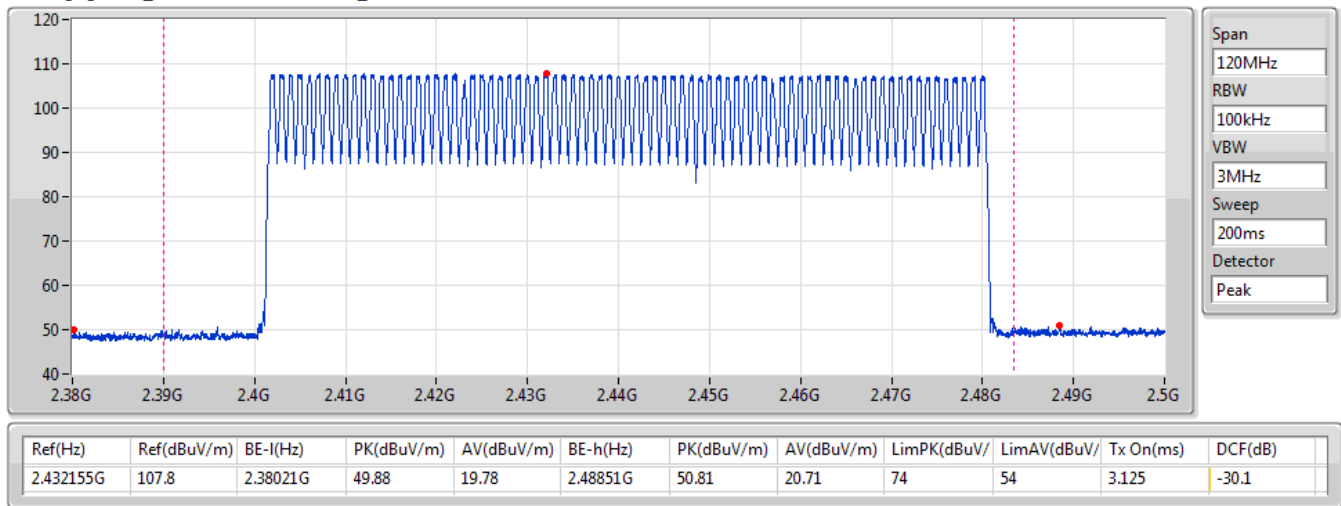
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-10.76	2.41201G	9.24	2.398255G	-48.39	2.491255G	-47.23

BT-BR(1Mbps)_1TX(Port1)

2440MHz

Hopping Ch Bandedge (Restricted Band)

19/01/2022

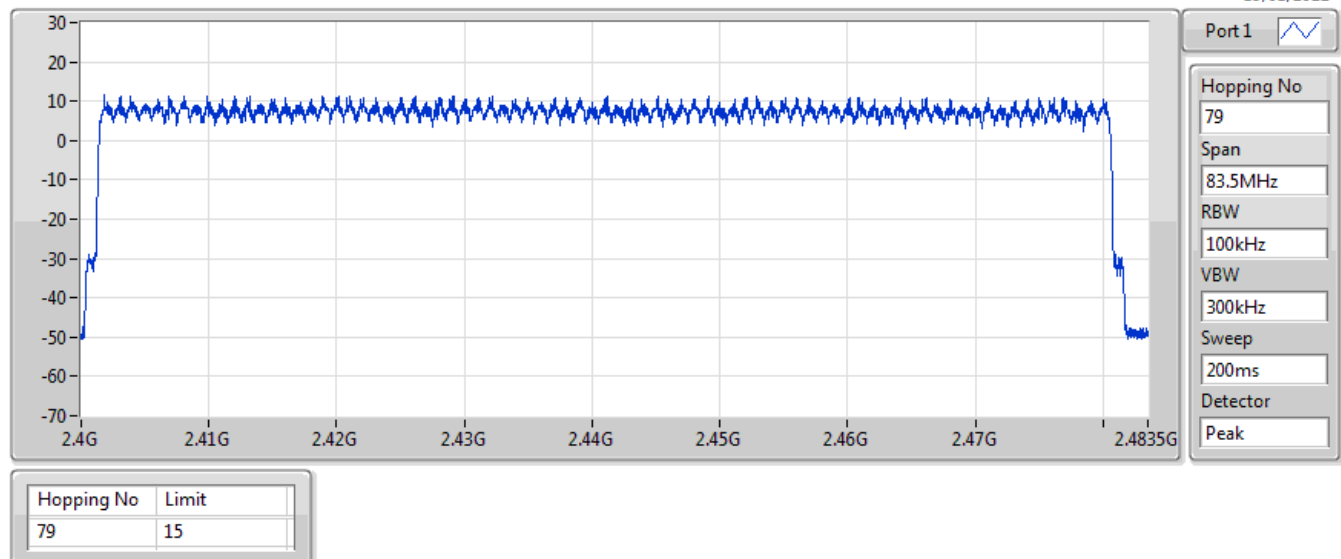


BT-EDR(2Mbps)_1TX(Port1)

2440MHz

Hopping-FS

19/01/2022

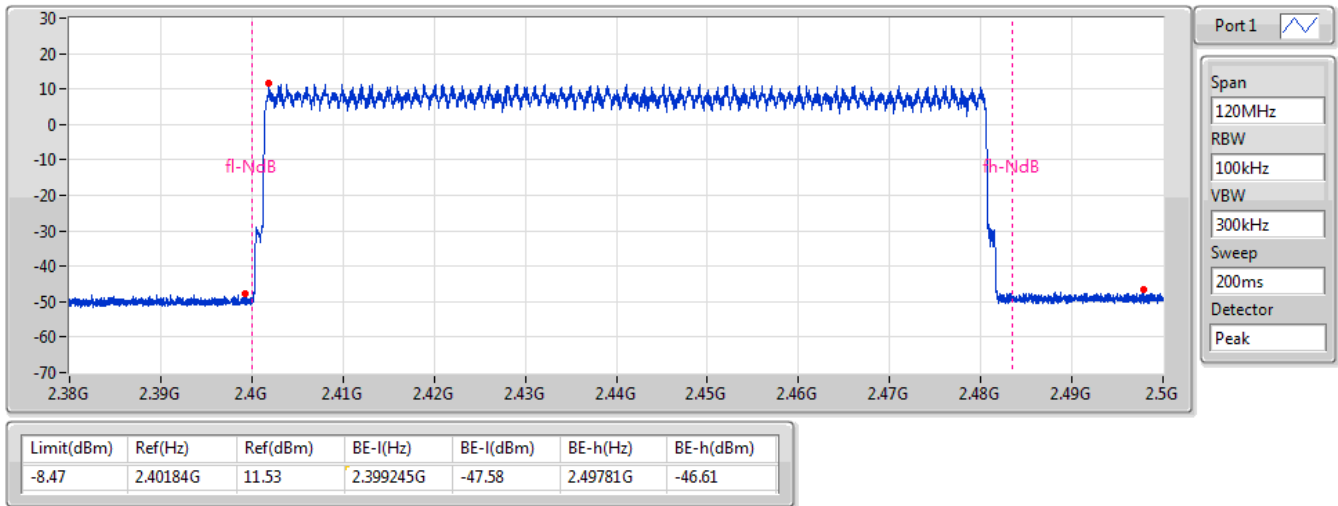


BT-EDR(2Mbps)_1TX(Port1)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

19/01/2022

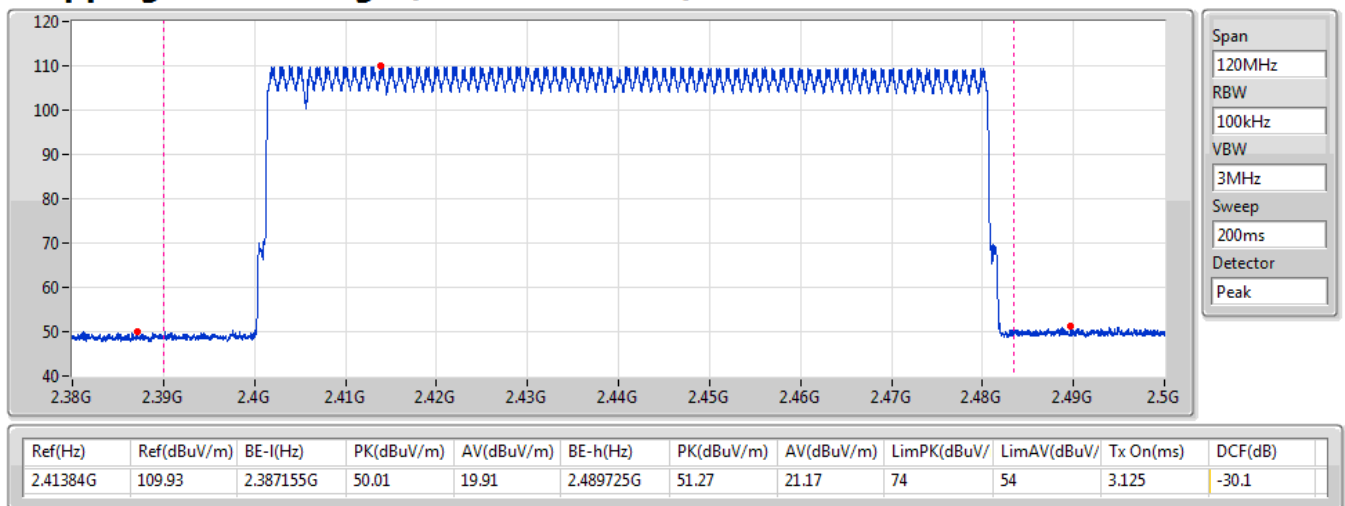


BT-EDR(2Mbps)_1TX(Port1)

2440MHz

Hopping Ch Bandedge (Restricted Band)

19/01/2022

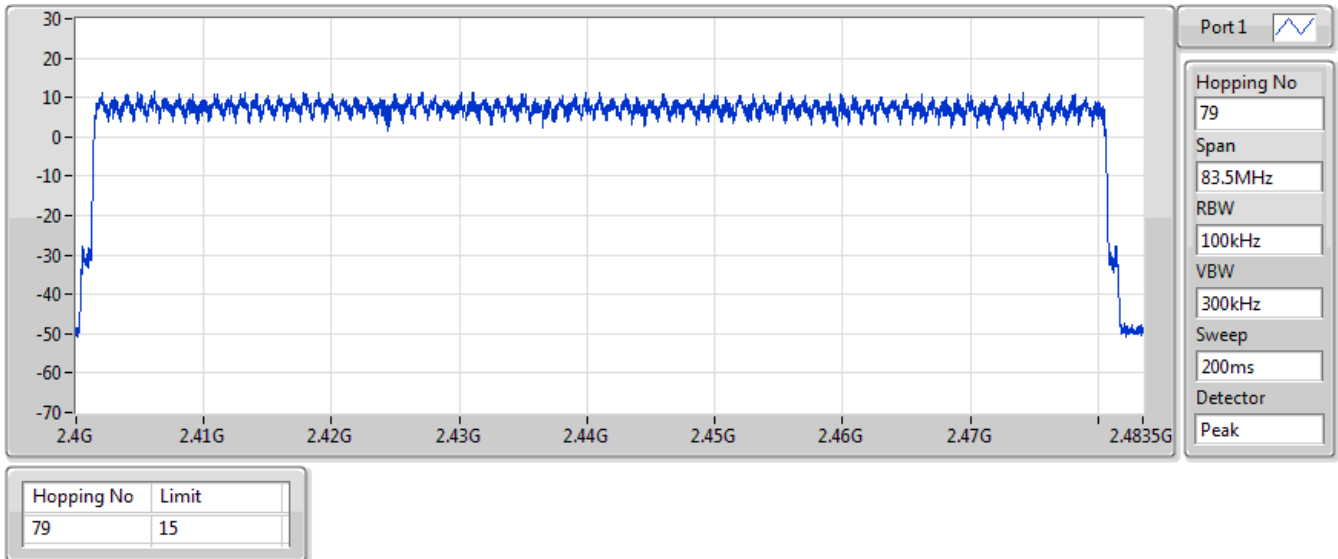


BT-EDR(3Mbps)_1TX(Port1)

Hopping-FS

2440MHz

19/01/2022

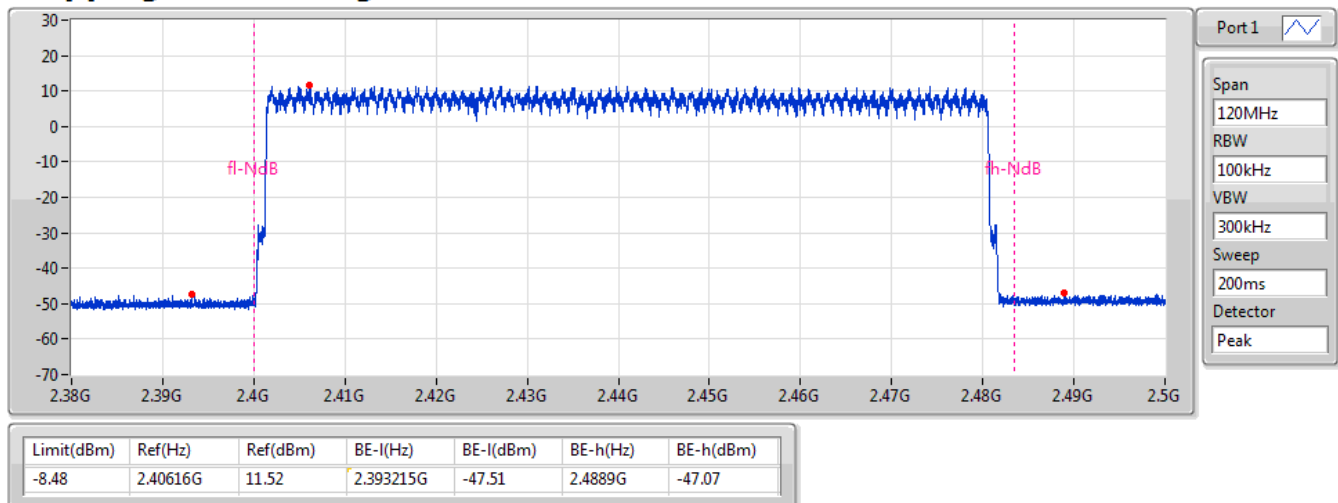


BT-EDR(3Mbps)_1TX(Port1)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

19/01/2022

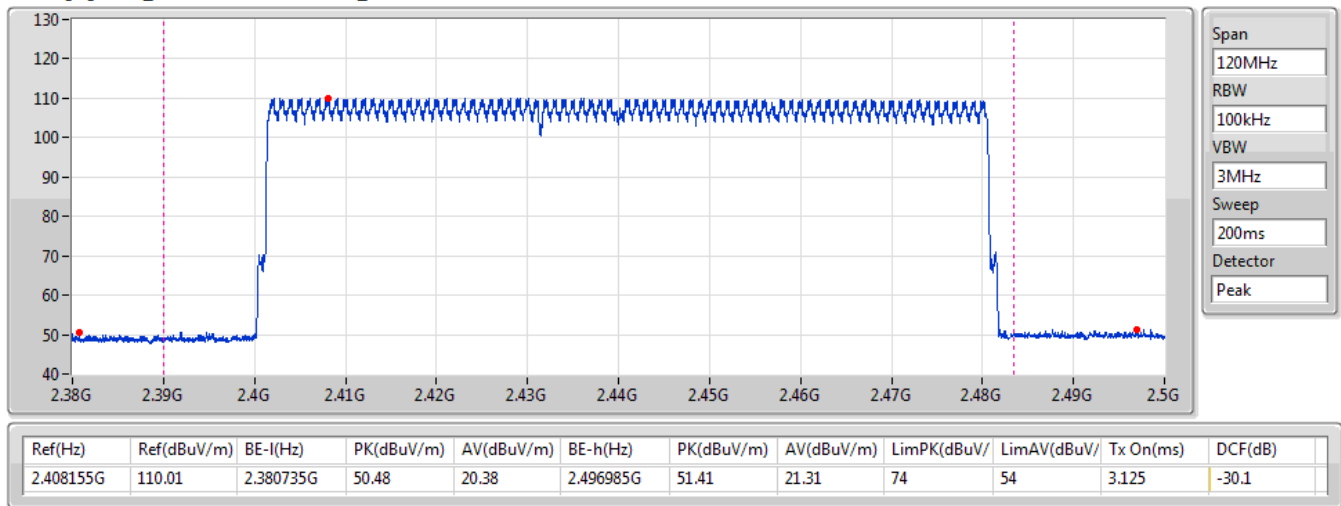


BT-EDR(3Mbps)_1TX(Port1)

2440MHz

Hopping Ch Bandedge (Restricted Band)

19/01/2022





Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)_1TX(Port1)	307.3278m_DH5
BT-EDR(2Mbps)_1TX(Port1)	307.8075m_DH5
BT-EDR(3Mbps)_1TX(Port1)	308.04735m_DH5

Result

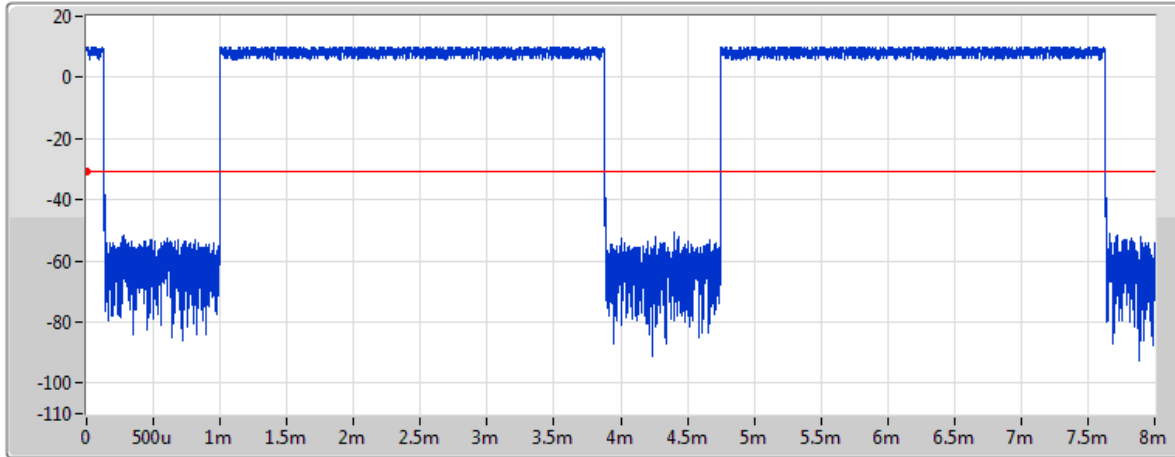
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)_1TX(Port1)	-	-	-	-	-
2440MHz	Pass	31.6	307.3278m_DH5	400m	2.883m
2440MHz	Pass	8	153.6639m_DH5-AFH	400m	2.883m
BT-EDR(2Mbps)_1TX(Port1)	-	-	-	-	-
2440MHz	Pass	31.6	307.8075m_DH5	400m	2.8875m
2440MHz	Pass	8	153.917075m_DH5-AFH	400m	2.88775m
BT-EDR(3Mbps)_1TX(Port1)	-	-	-	-	-
2440MHz	Pass	31.6	308.04735m_DH5	400m	2.88975m
2440MHz	Pass	8	154.023675m_DH5-AFH	400m	2.88975m

BT-BR(1Mbps)_1TX(Port1)

Dwell-FS

2440MHz

19/01/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.883ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	307.3278m_DH5	400m	2.883m

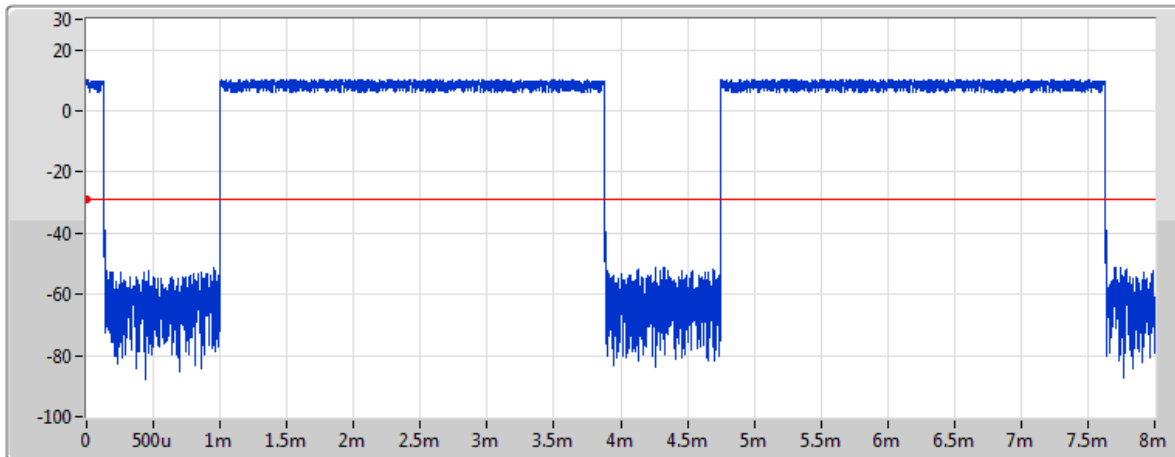
DH5

BT-BR(1Mbps)_1TX(Port1)

Dwell-FS

2440MHz

19/01/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.883ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	153.6639m_DH5-AFH	400m	2.883m

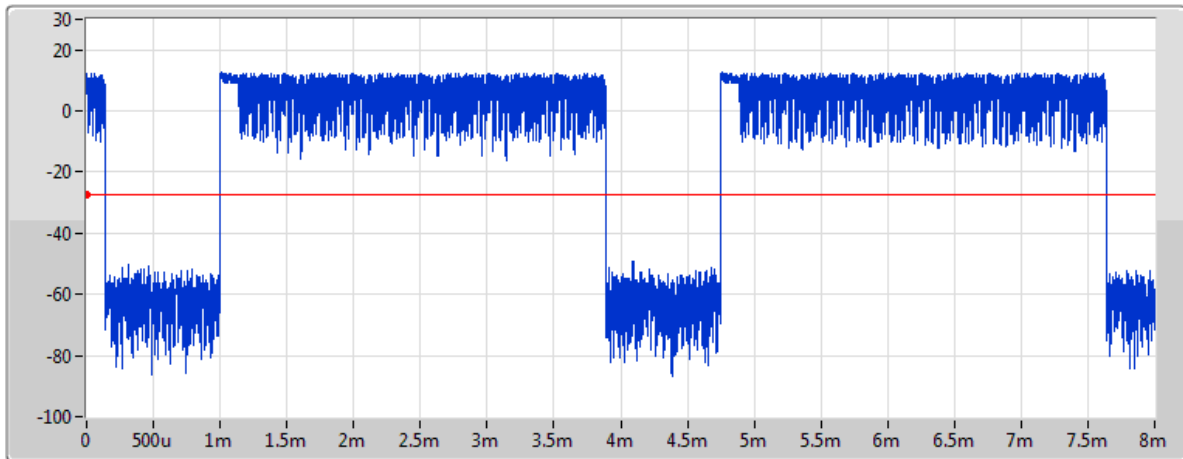
DH5-AFH

BT-EDR(2Mbps)_1TX(Port1)

Dwell-FS

2440MHz

19/01/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.8875ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	307.8075m_DH5	400m	2.8875m

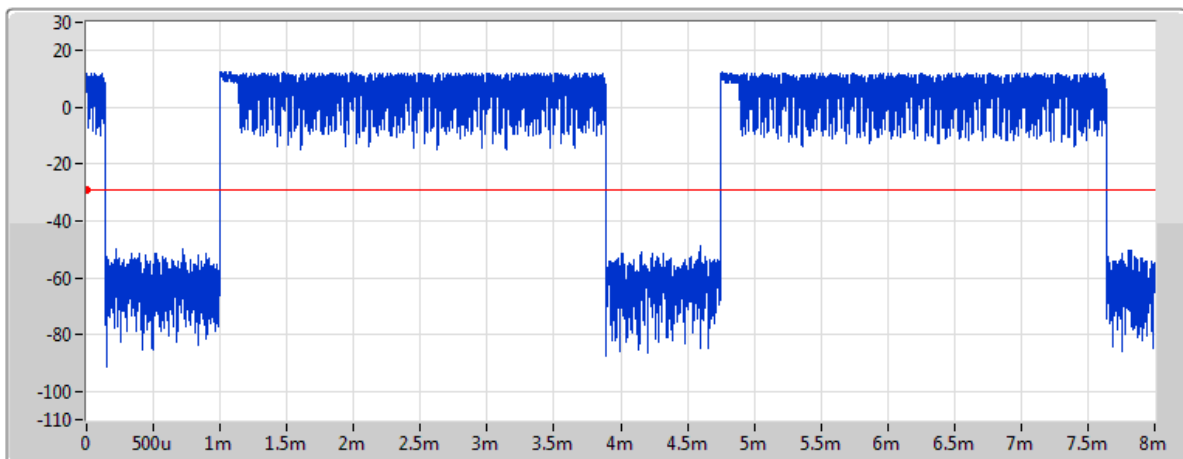
DH5

BT-EDR(2Mbps)_1TX(Port1)

Dwell-FS

2440MHz

19/01/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.88775ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	153.917075m_DH5-AFH	400m	2.88775m

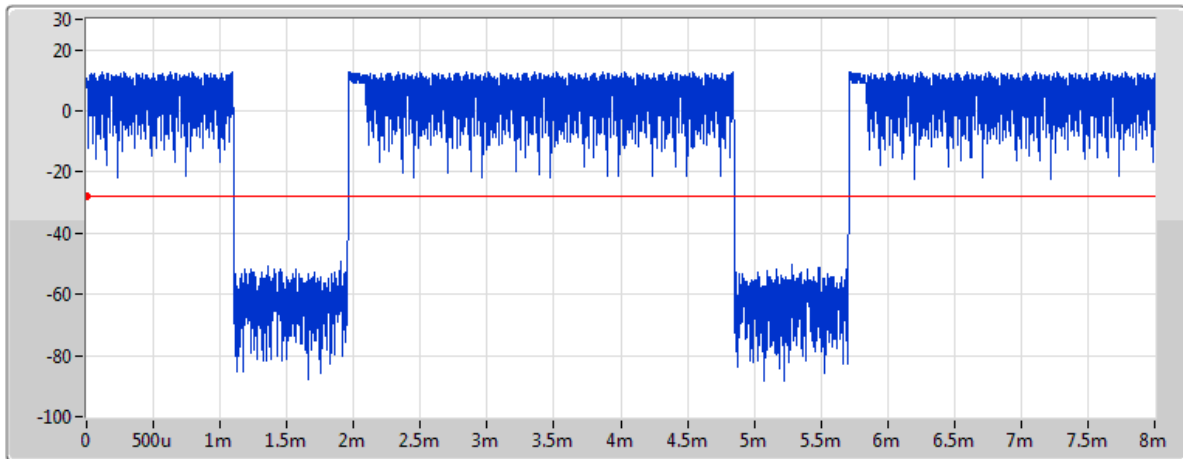
DH5-AFH

BT-EDR(3Mbps)_1TX(Port1)

Dwell-FS

2440MHz

19/01/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.88975ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.04735m_DH5	400m	2.88975m

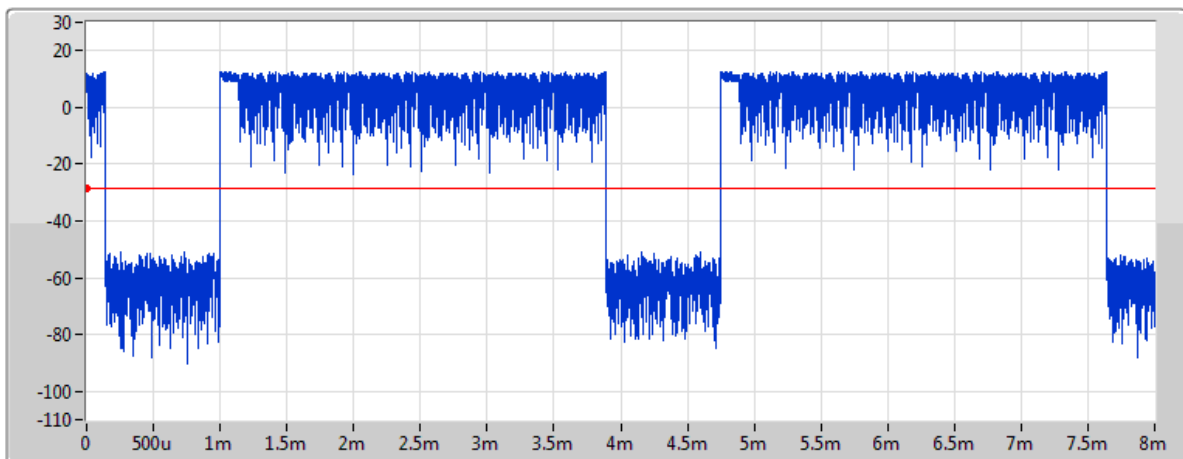
DH5

BT-EDR(3Mbps)_1TX(Port1)

Dwell-FS

2440MHz

19/01/2022



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.88975ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.023675m_DH5-AFH	400m	2.88975m

DH5-AFH



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)_1TX(Port1)	Pass	2.47999G	11.88	-8.12	793.75M	-52.55	2.39518G	-51.71	2.4835G	-52.74	2.48732G	-49.87	24.71317G	-39.11	1
BT-EDR(2Mbps)_1TX(Port1)	Pass	2.40196G	11.04	-8.96	792.87M	-53.75	2.4G	-52.47	2.4G	-52.10	2.49938G	-53.45	15.22527G	-42.17	1
BT-EDR(3Mbps)_1TX(Port1)	Pass	2.40196G	11.66	-8.34	906.84M	-50.63	2.3998G	-50.86	2.4G	-51.28	2.50004G	-52.74	15.25902G	-40.66	1

Result

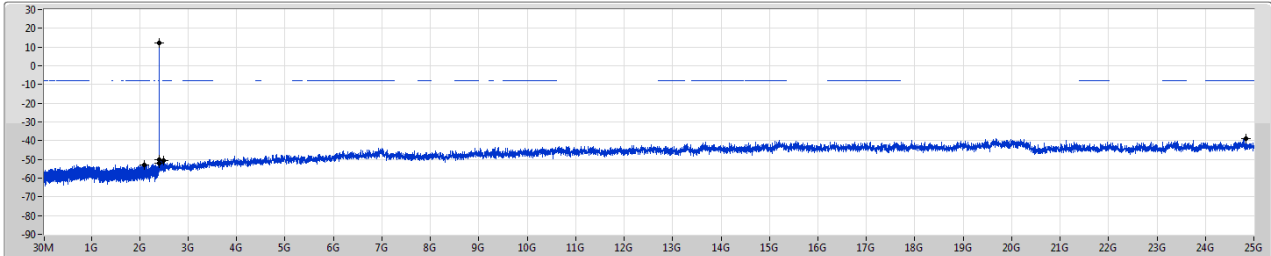
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40196G	12.05	-7.95	2.09389G	-52.84	2.39981G	-50.24	2.4G	-51.80	2.49728G	-50.78	24.84534G	-38.76	1
2440MHz	Pass	2.44016G	12.41	-7.59	2.10916G	-51.35	2.39821G	-50.85	2.4835G	-52.80	2.49641G	-50.22	15.20559G	-39.17	1
2480MHz	Pass	2.47999G	11.88	-8.12	793.75M	-52.55	2.39518G	-51.71	2.4835G	-52.74	2.48732G	-49.87	24.71317G	-39.11	1
BT-EDR(2Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40196G	11.04	-8.96	792.87M	-53.75	2.4G	-52.47	2.4G	-52.10	2.49938G	-53.45	15.22527G	-42.17	1
2440MHz	Pass	2.44016G	11.17	-8.83	673.9M	-53.57	2.39017G	-54.65	2.4835G	-57.75	2.4899G	-53.54	24.68505G	-42.35	1
2480MHz	Pass	2.48008G	11.37	-8.63	859.84M	-53.88	2.3926G	-54.50	2.4835G	-54.89	2.48375G	-53.24	15.14091G	-41.62	1
BT-EDR(3Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40196G	11.66	-8.34	906.84M	-50.63	2.3998G	-50.86	2.4G	-51.28	2.50004G	-52.74	15.25902G	-40.66	1
2440MHz	Pass	2.44016G	11.32	-8.68	908.61M	-53.98	2.39237G	-54.52	2.4835G	-56.20	2.48988G	-53.36	24.74129G	-42.34	1
2480MHz	Pass	2.4802G	11.46	-8.54	785.53M	-53.76	2.39425G	-54.70	2.4835G	-56.24	2.49656G	-52.91	24.91283G	-42.57	1

BT-BR(1Mbps)_1TX(Port1)

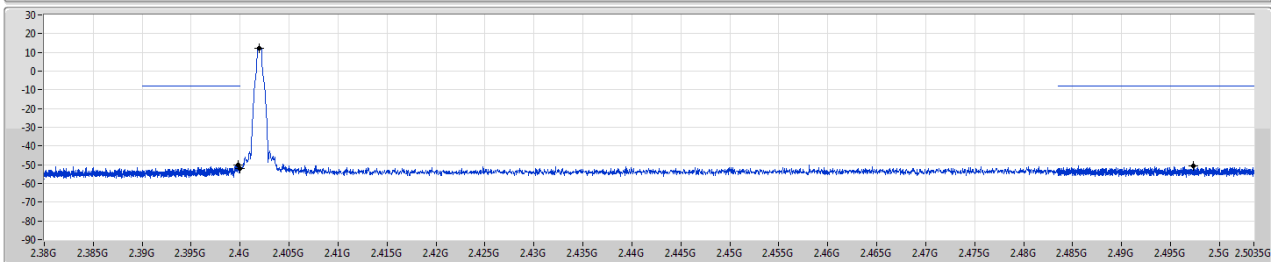
CSENdB-FS

2402MHz

18/01/2022



Port1



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

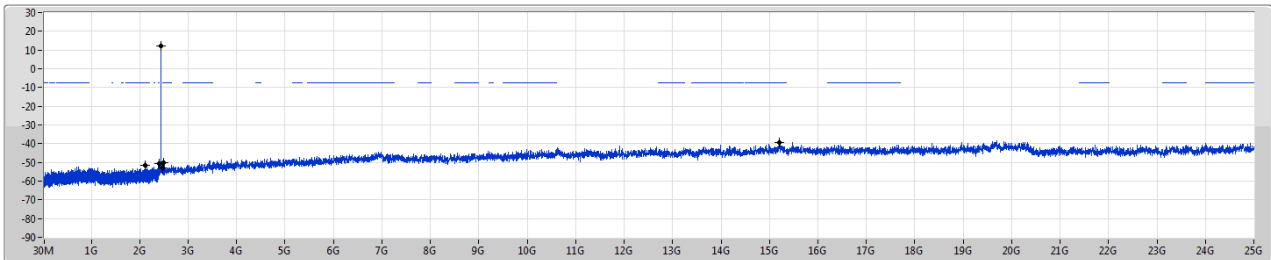
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.40196G	12.05	-7.95	2.09389G	-52.84	2.39981G	-50.24	2.4G	-51.80	2.49728G	-50.78	2.484534G	-38.76	1

BT-BR(1Mbps)_1TX(Port1)

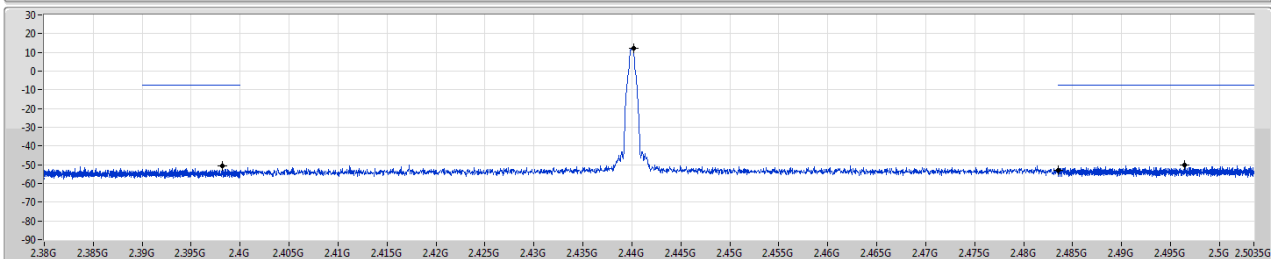
CSENdB-FS

2440MHz

18/01/2022



Port1



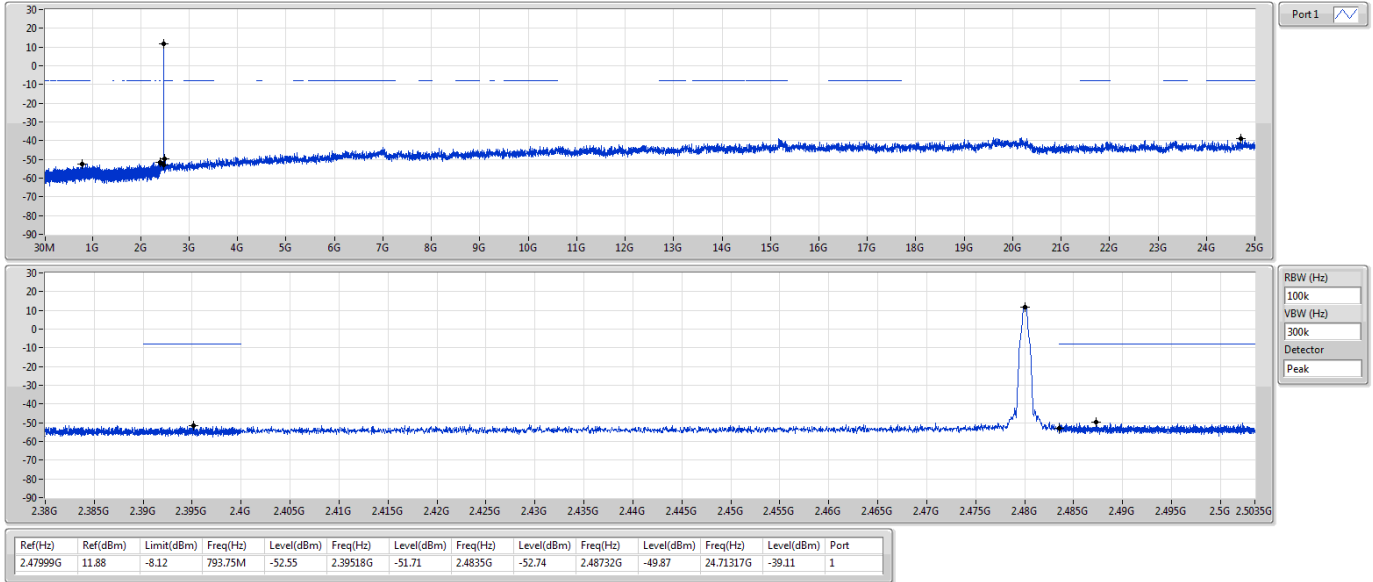
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44016G	12.41	-7.59	2.10916G	-51.35	2.39821G	-50.85	2.4835G	-52.80	2.49641G	-50.22	15.20559G	-39.17	1

BT-BR(1Mbps)_1TX(Port1)

CSEndB-FS

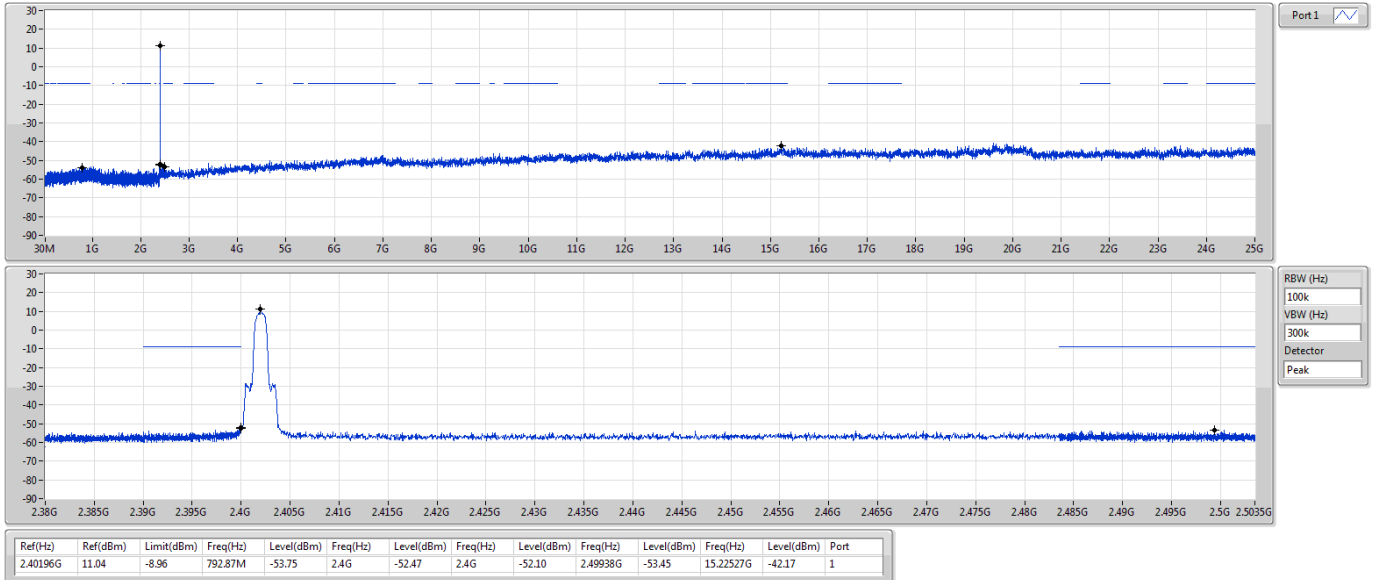
2480MHz



BT-EDR(2Mbps)_1TX(Port1)

CSEndB-FS

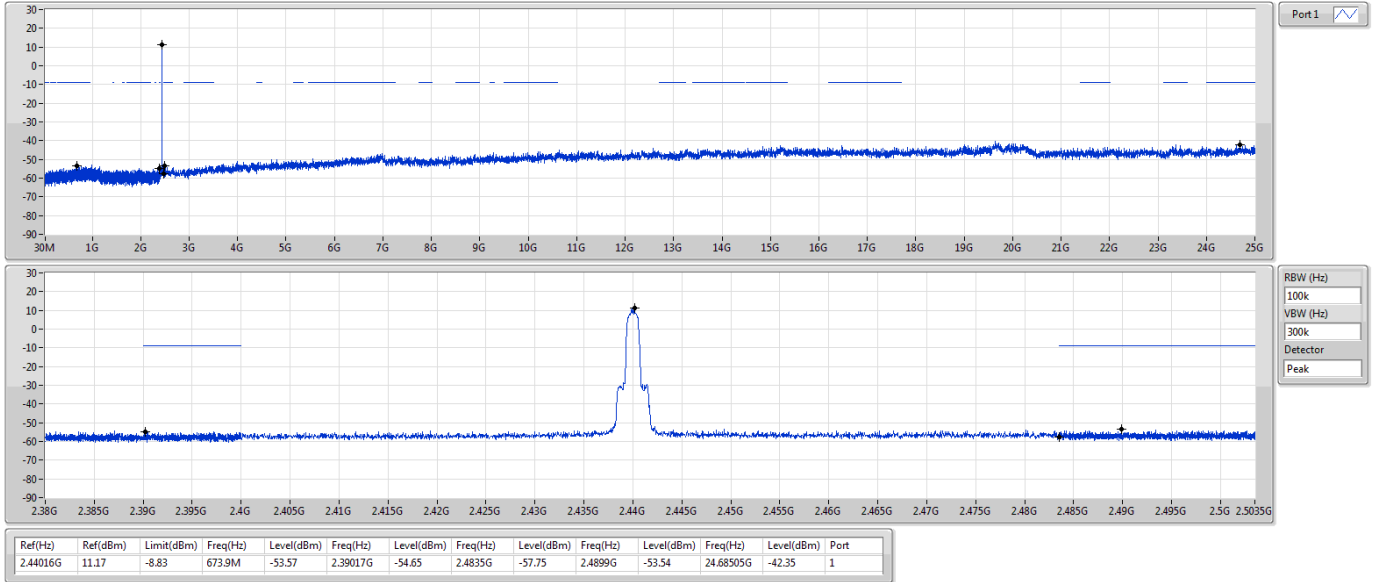
2402MHz



BT-EDR(2Mbps)_1TX(Port1)

CSENdB-FS

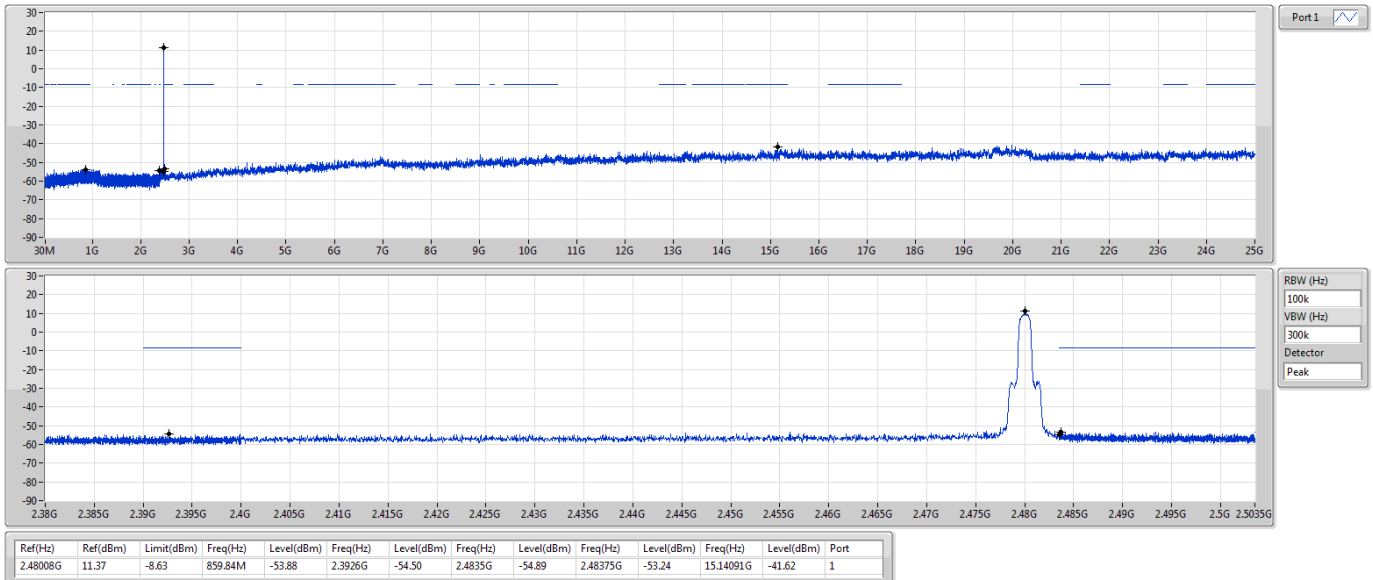
2440MHz



BT-EDR(2Mbps)_1TX(Port1)

CSENdB-FS

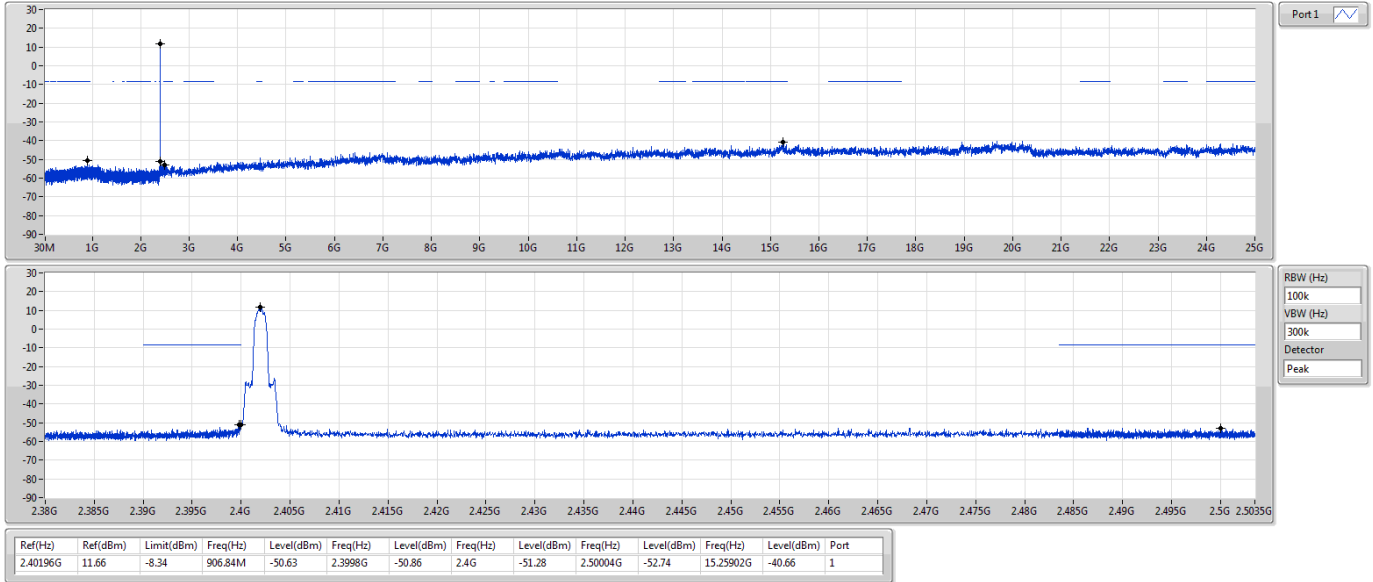
2480MHz



BT-EDR(3Mbps)_1TX(Port1)

CSEndB-FS

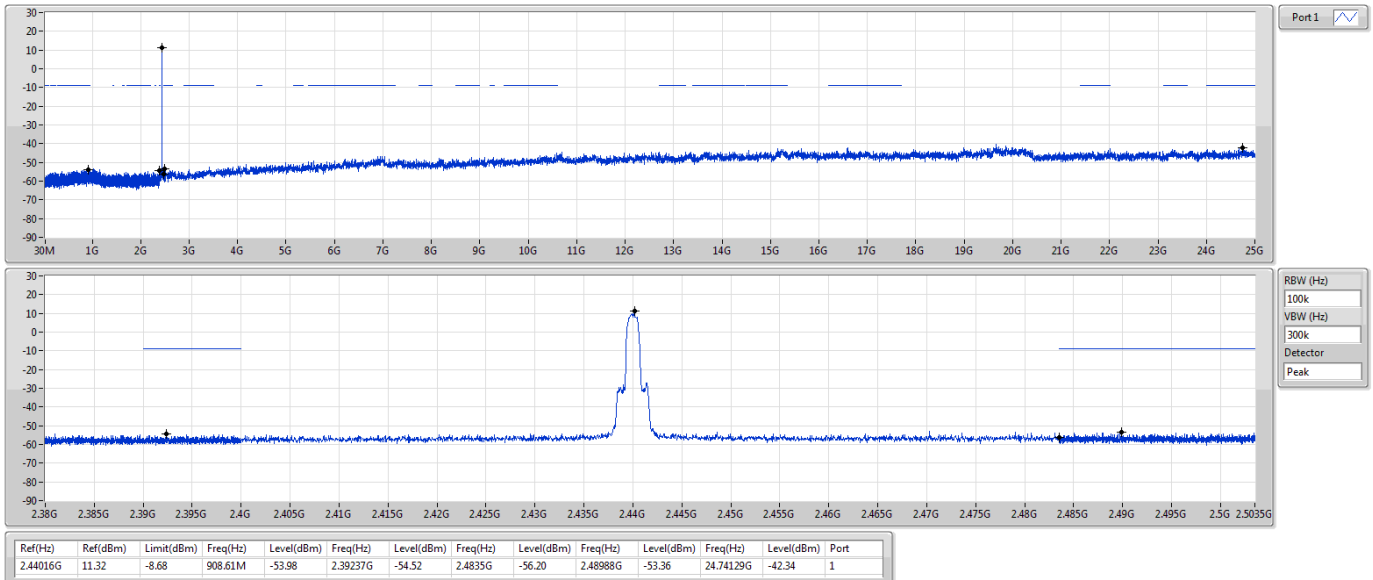
2402MHz



BT-EDR(3Mbps)_1TX(Port1)

CSEndB-FS

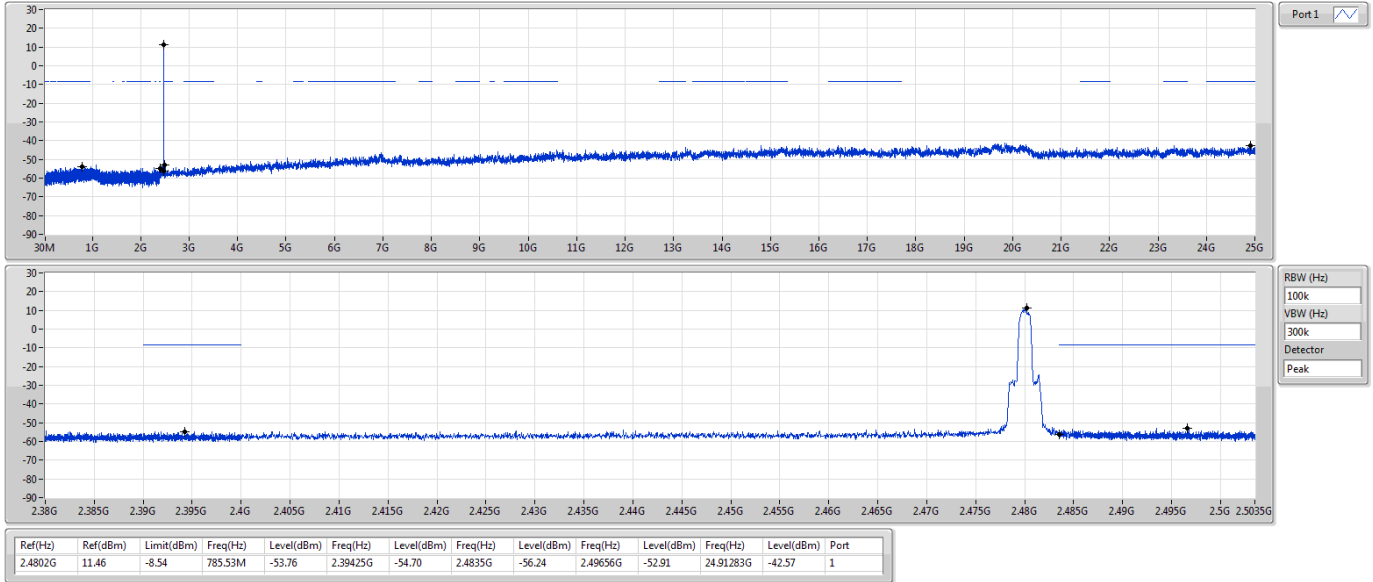
2440MHz



BT-EDR(3Mbps)_1TX(Port1)

CSEndB-FS

2480MHz





Summary

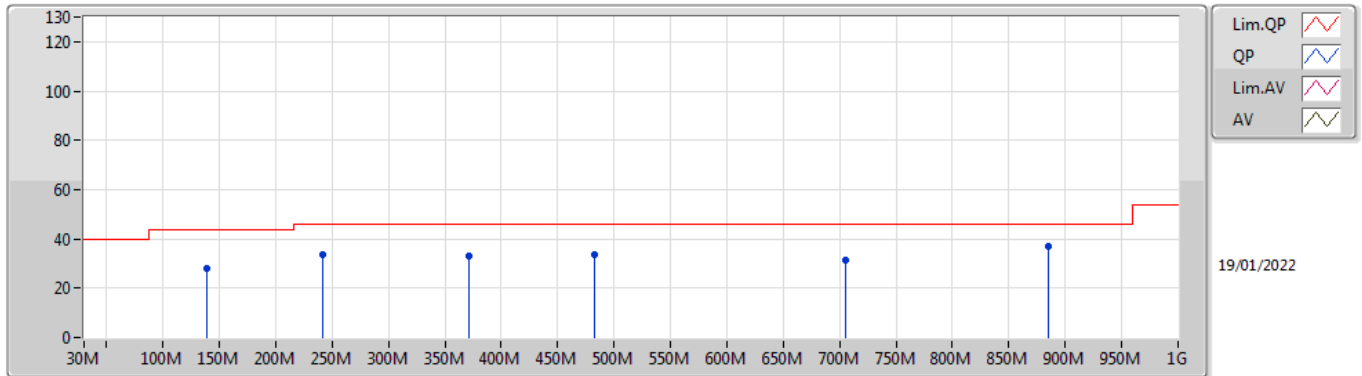
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)_1TX(Port1)	Pass	PK	245.34M	40.98	46.00	-5.02	3	Horizontal	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	138.64M	28.08	43.50	-15.42	3	Vertical	360	1.00	-
2440MHz	Pass	PK	241.46M	33.73	46.00	-12.27	3	Vertical	360	1.00	-
2440MHz	Pass	PK	371.44M	33.03	46.00	-12.97	3	Vertical	360	1.00	-
2440MHz	Pass	PK	482.02M	33.75	46.00	-12.25	3	Vertical	360	1.00	-
2440MHz	Pass	PK	705.12M	31.53	46.00	-14.47	3	Vertical	360	1.00	-
2440MHz	Pass	PK	885.54M	36.82	46.00	-9.18	3	Vertical	360	1.00	-
2440MHz	Pass	PK	150.28M	35.28	43.50	-8.22	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	245.34M	40.98	46.00	-5.02	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	264.74M	38.30	46.00	-7.70	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	371.44M	35.19	46.00	-10.81	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	480.08M	38.43	46.00	-7.57	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	885.54M	37.88	46.00	-8.12	3	Horizontal	0	1.00	-

BT-BR(1Mbps)_1TX(Port1)

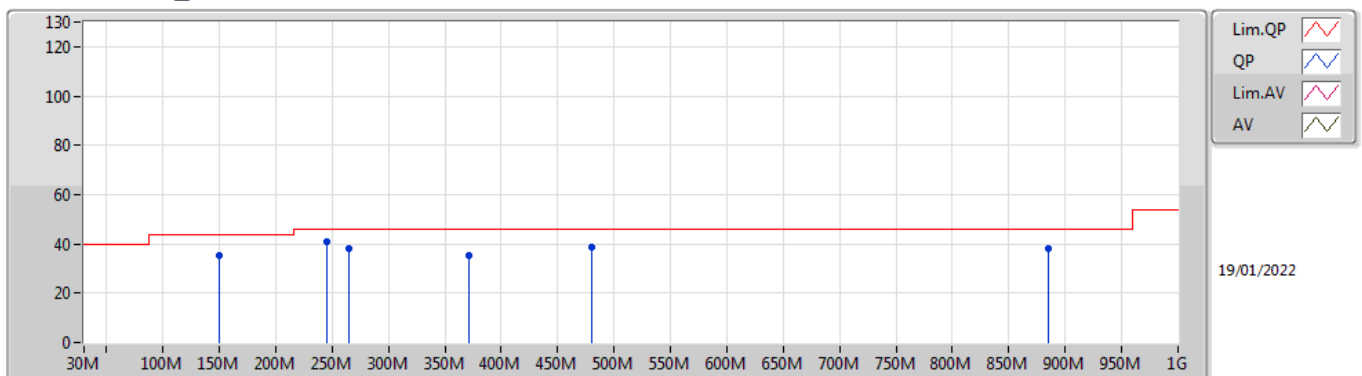
2440MHz_Test Fixture



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	138.64M	28.08	43.50	-15.42	-9.54	3	Vertical	360	1.00	-	37.62	16.44	1.63	27.61
PK	241.46M	33.73	46.00	-12.27	-8.33	3	Vertical	360	1.00	-	42.06	16.62	2.12	27.07
PK	371.44M	33.03	46.00	-12.97	-4.88	3	Vertical	360	1.00	-	37.91	20.01	2.63	27.52
PK	482.02M	33.75	46.00	-12.25	-2.56	3	Vertical	360	1.00	-	36.31	22.67	3.02	28.25
PK	705.12M	31.53	46.00	-14.47	-0.41	3	Vertical	360	1.00	-	31.94	24.20	3.61	28.22
PK	885.54M	36.82	46.00	-9.18	2.14	3	Vertical	360	1.00	-	34.68	25.62	4.08	27.56

BT-BR(1Mbps)_1TX(Port1)

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	150.28M	35.28	43.50	-8.22	-10.25	3	Horizontal	0	1.00	-	45.53	15.60	1.71	27.56
PK	245.34M	40.98	46.00	-5.02	-7.89	3	Horizontal	0	1.00	-	48.87	17.03	2.13	27.05
PK	264.74M	38.30	46.00	-7.70	-6.23	3	Horizontal	0	1.00	-	44.53	18.59	2.21	27.03
PK	371.44M	35.19	46.00	-10.81	-4.88	3	Horizontal	0	1.00	-	40.07	20.01	2.63	27.52
PK	480.08M	38.43	46.00	-7.57	-2.61	3	Horizontal	0	1.00	-	41.04	22.62	3.01	28.24
PK	885.54M	37.88	46.00	-8.12	2.14	3	Horizontal	0	1.00	-	35.74	25.62	4.08	27.56



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)_1TX(Port1)	Pass	PK	2.369G	59.44	74.00	-14.56	3	Vertical	272	1.26	-
BT-EDR(3Mbps)	Pass	PK	2.4835G	59.08	74.00	-14.92	3	Vertical	273	1.00	-

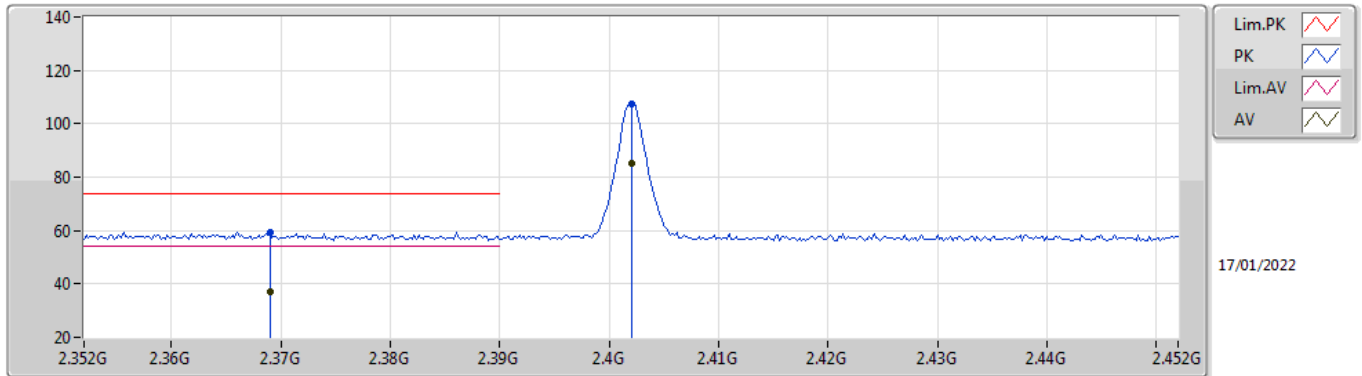
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.369G	36.94	54.00	-17.06	3	Vertical	272	1.26	-
2402MHz	Pass	AV	2.402G	85.03	Inf	-Inf	3	Vertical	272	1.26	-
2402MHz	Pass	PK	2.369G	59.44	74.00	-14.56	3	Vertical	272	1.26	-
2402MHz	Pass	PK	2.402G	107.53	Inf	-Inf	3	Vertical	272	1.26	-
2402MHz	Pass	AV	2.3588G	36.69	54.00	-17.31	3	Horizontal	204	1.00	-
2402MHz	Pass	AV	2.402G	86.76	Inf	-Inf	3	Horizontal	204	1.00	-
2402MHz	Pass	PK	2.3588G	59.19	74.00	-14.81	3	Horizontal	204	1.00	-
2402MHz	Pass	PK	2.402G	109.26	Inf	-Inf	3	Horizontal	204	1.00	-
2402MHz	Pass	AV	4.80447G	20.80	54.00	-33.20	3	Vertical	93	1.09	-
2402MHz	Pass	PK	4.80447G	43.30	74.00	-30.70	3	Vertical	93	1.09	-
2402MHz	Pass	AV	4.8041G	21.14	54.00	-32.86	3	Horizontal	151	1.51	-
2402MHz	Pass	PK	4.8041G	43.64	74.00	-30.36	3	Horizontal	151	1.51	-
2440MHz	Pass	AV	2.3772G	36.09	54.00	-17.91	3	Vertical	270	1.13	-
2440MHz	Pass	AV	2.44G	80.71	Inf	-Inf	3	Vertical	270	1.13	-
2440MHz	Pass	AV	2.4892G	35.64	54.00	-18.36	3	Vertical	270	1.13	-
2440MHz	Pass	PK	2.3772G	58.59	74.00	-15.41	3	Vertical	270	1.13	-
2440MHz	Pass	PK	2.44G	103.21	Inf	-Inf	3	Vertical	270	1.13	-
2440MHz	Pass	PK	2.4892G	58.14	74.00	-15.86	3	Vertical	270	1.13	-
2440MHz	Pass	AV	2.3744G	35.67	54.00	-18.33	3	Horizontal	360	1.14	-
2440MHz	Pass	AV	2.44G	82.19	Inf	-Inf	3	Horizontal	360	1.14	-
2440MHz	Pass	AV	2.4936G	35.20	54.00	-18.80	3	Horizontal	360	1.14	-
2440MHz	Pass	PK	2.3744G	58.17	74.00	-15.83	3	Horizontal	360	1.14	-
2440MHz	Pass	PK	2.44G	104.69	Inf	-Inf	3	Horizontal	360	1.14	-
2440MHz	Pass	PK	2.4936G	57.70	74.00	-16.30	3	Horizontal	360	1.14	-
2440MHz	Pass	AV	4.87968G	21.18	54.00	-32.82	3	Vertical	94	1.49	-
2440MHz	Pass	PK	4.87968G	43.68	74.00	-30.32	3	Vertical	94	1.49	-
2440MHz	Pass	AV	4.87912G	20.25	54.00	-33.75	3	Horizontal	154	1.50	-
2440MHz	Pass	PK	4.87912G	42.75	74.00	-31.25	3	Horizontal	154	1.50	-
2480MHz	Pass	AV	2.48G	83.10	Inf	-Inf	3	Vertical	273	1.00	-
2480MHz	Pass	AV	2.487G	35.97	54.00	-18.03	3	Vertical	273	1.00	-
2480MHz	Pass	PK	2.48G	105.60	Inf	-Inf	3	Vertical	273	1.00	-
2480MHz	Pass	PK	2.487G	58.47	74.00	-15.53	3	Vertical	273	1.00	-
2480MHz	Pass	AV	2.4802G	83.33	Inf	-Inf	3	Horizontal	193	1.52	-
2480MHz	Pass	AV	2.4835G	36.53	54.00	-17.47	3	Horizontal	193	1.52	-
2480MHz	Pass	PK	2.4802G	105.83	Inf	-Inf	3	Horizontal	193	1.52	-
2480MHz	Pass	PK	2.4835G	59.03	74.00	-14.97	3	Horizontal	193	1.52	-
2480MHz	Pass	AV	4.96044G	23.34	54.00	-30.66	3	Vertical	93	1.12	-
2480MHz	Pass	PK	4.96044G	45.84	74.00	-28.16	3	Vertical	93	1.12	-
2480MHz	Pass	AV	4.96026G	22.03	54.00	-31.97	3	Horizontal	335	2.61	-
2480MHz	Pass	PK	4.96026G	44.53	74.00	-29.47	3	Horizontal	335	2.61	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3844G	36.15	54.00	-17.85	3	Vertical	273	1.26	-
2402MHz	Pass	AV	2.4018G	85.25	Inf	-Inf	3	Vertical	273	1.26	-
2402MHz	Pass	PK	2.3844G	58.65	74.00	-15.35	3	Vertical	273	1.26	-
2402MHz	Pass	PK	2.4018G	107.75	Inf	-Inf	3	Vertical	273	1.26	-
2402MHz	Pass	AV	2.3814G	35.89	54.00	-18.11	3	Horizontal	351	1.00	-
2402MHz	Pass	AV	2.4018G	86.76	Inf	-Inf	3	Horizontal	351	1.00	-
2402MHz	Pass	PK	2.3814G	58.39	74.00	-15.61	3	Horizontal	351	1.00	-
2402MHz	Pass	PK	2.4018G	109.26	Inf	-Inf	3	Horizontal	351	1.00	-
2402MHz	Pass	AV	4.80258G	20.37	54.00	-33.63	3	Vertical	94	1.09	-
2402MHz	Pass	PK	4.80258G	42.87	74.00	-31.13	3	Vertical	94	1.09	-
2402MHz	Pass	AV	4.80386G	20.61	54.00	-33.39	3	Horizontal	174	1.00	-
2402MHz	Pass	PK	4.80386G	43.11	74.00	-30.89	3	Horizontal	174	1.00	-
2440MHz	Pass	AV	2.3752G	35.68	54.00	-18.32	3	Vertical	291	1.05	-
2440MHz	Pass	AV	2.44G	83.22	Inf	-Inf	3	Vertical	291	1.05	-
2440MHz	Pass	AV	2.4996G	36.29	54.00	-17.71	3	Vertical	291	1.05	-
2440MHz	Pass	PK	2.3752G	58.18	74.00	-15.82	3	Vertical	291	1.05	-
2440MHz	Pass	PK	2.44G	105.72	Inf	-Inf	3	Vertical	291	1.05	-
2440MHz	Pass	PK	2.4996G	58.79	74.00	-15.21	3	Vertical	291	1.05	-
2440MHz	Pass	AV	2.348G	36.00	54.00	-18.00	3	Horizontal	352	1.50	-

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	84.96	Inf	-Inf	3	Horizontal	352	1.50	-
2440MHz	Pass	AV	2.4872G	35.17	54.00	-18.83	3	Horizontal	352	1.50	-
2440MHz	Pass	PK	2.348G	58.50	74.00	-15.50	3	Horizontal	352	1.50	-
2440MHz	Pass	PK	2.44G	107.46	Inf	-Inf	3	Horizontal	352	1.50	-
2440MHz	Pass	PK	2.4872G	57.67	74.00	-16.33	3	Horizontal	352	1.50	-
2440MHz	Pass	AV	4.88147G	20.88	54.00	-33.12	3	Vertical	93	1.50	-
2440MHz	Pass	PK	4.88147G	43.38	74.00	-30.62	3	Vertical	93	1.50	-
2440MHz	Pass	AV	4.8797G	21.57	54.00	-32.43	3	Horizontal	167	1.00	-
2440MHz	Pass	PK	4.8797G	44.07	74.00	-29.93	3	Horizontal	167	1.00	-
2480MHz	Pass	AV	2.48G	84.83	Inf	-Inf	3	Vertical	273	1.00	-
2480MHz	Pass	AV	2.4835G	36.58	54.00	-17.42	3	Vertical	273	1.00	-
2480MHz	Pass	PK	2.48G	107.33	Inf	-Inf	3	Vertical	273	1.00	-
2480MHz	Pass	PK	2.4835G	59.08	74.00	-14.92	3	Vertical	273	1.00	-
2480MHz	Pass	AV	2.4798G	84.73	Inf	-Inf	3	Horizontal	188	1.50	-
2480MHz	Pass	AV	2.4835G	36.56	54.00	-17.44	3	Horizontal	188	1.50	-
2480MHz	Pass	PK	2.4798G	107.23	Inf	-Inf	3	Horizontal	188	1.50	-
2480MHz	Pass	PK	2.4835G	59.06	74.00	-14.94	3	Horizontal	188	1.50	-
2480MHz	Pass	AV	4.95998G	22.86	54.00	-31.14	3	Vertical	93	1.03	-
2480MHz	Pass	PK	4.95998G	45.36	74.00	-28.64	3	Vertical	93	1.03	-
2480MHz	Pass	AV	4.96025G	21.72	54.00	-32.28	3	Horizontal	27	2.89	-
2480MHz	Pass	PK	4.96025G	44.22	74.00	-29.78	3	Horizontal	27	2.89	-

BT-BR(1Mbps)_1TX(Port1)

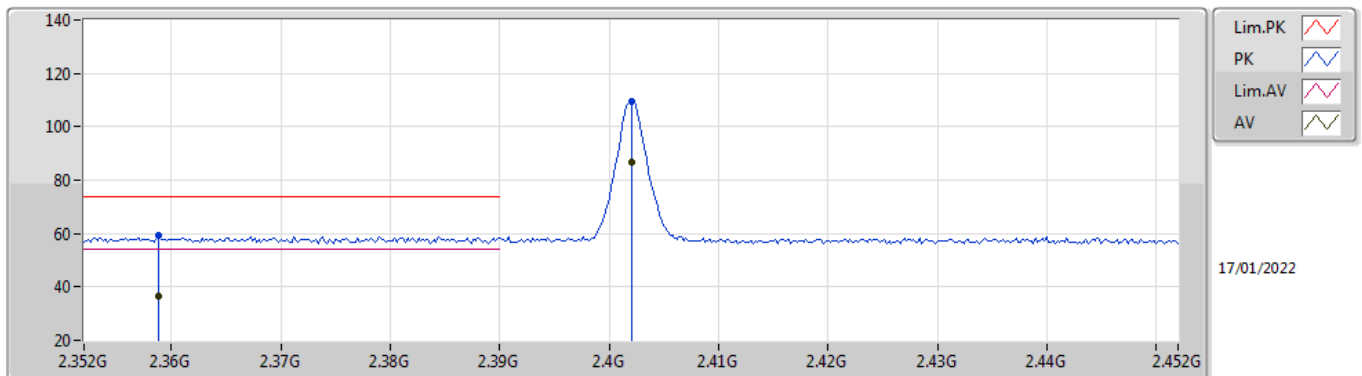
2402MHz_TX



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	2.369G	36.94	54.00	-17.06	35.01	3	Vertical	272	1.26	-	1.93	27.76	7.25	-
AV	2.402G	85.03	Inf	-Inf	34.95	3	Vertical	272	1.26	-	50.08	27.69	7.26	-
PK	2.369G	59.44	74.00	-14.56	35.01	3	Vertical	272	1.26	-	24.43	27.76	7.25	-
PK	2.402G	107.53	Inf	-Inf	34.95	3	Vertical	272	1.26	-	72.58	27.69	7.26	-

BT-BR(1Mbps)_1TX(Port1)

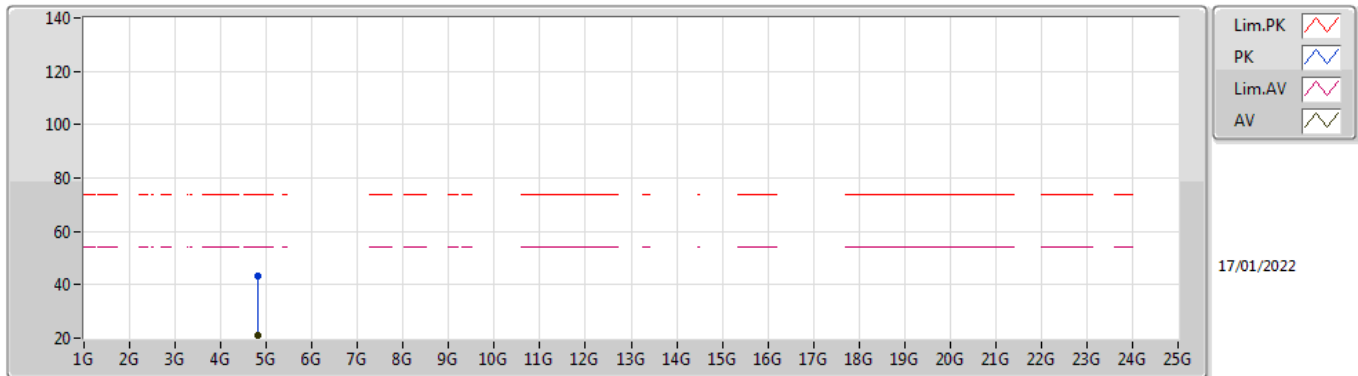
2402MHz_TX



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	2.3588G	36.69	54.00	-17.31	35.02	3	Horizontal	204	1.00	-	1.67	27.78	7.24	-
AV	2.402G	86.76	Inf	-Inf	34.95	3	Horizontal	204	1.00	-	51.81	27.69	7.26	-
PK	2.3588G	59.19	74.00	-14.81	35.02	3	Horizontal	204	1.00	-	24.17	27.78	7.24	-
PK	2.402G	109.26	Inf	-Inf	34.95	3	Horizontal	204	1.00	-	74.31	27.69	7.26	-

BT-BR(1Mbps)_1TX(Port1)

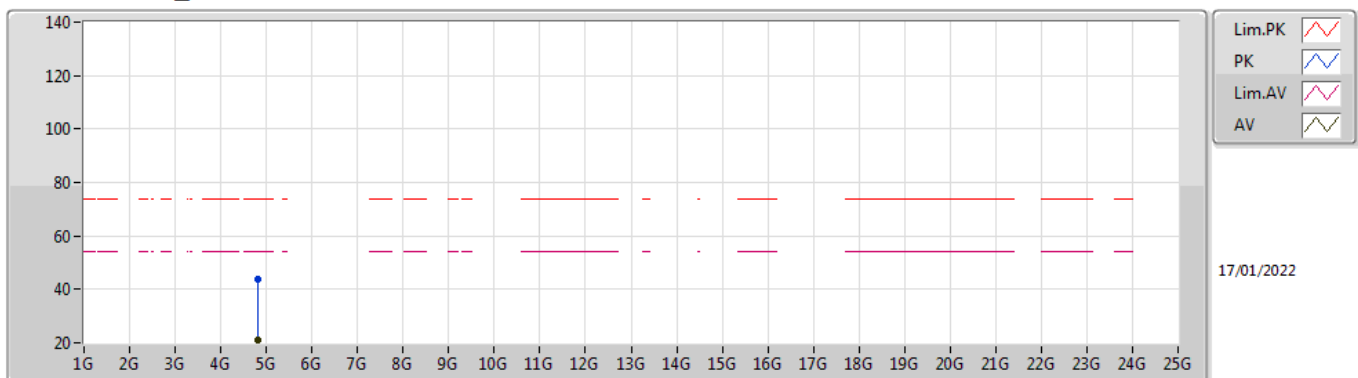
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80447G	20.80	54.00	-33.20	5.82	3	Vertical	93	1.09	-	14.98	31.11	8.90	34.19
PK	4.80447G	43.30	74.00	-30.70	5.82	3	Vertical	93	1.09	-	37.48	31.11	8.90	34.19

BT-BR(1Mbps)_1TX(Port1)

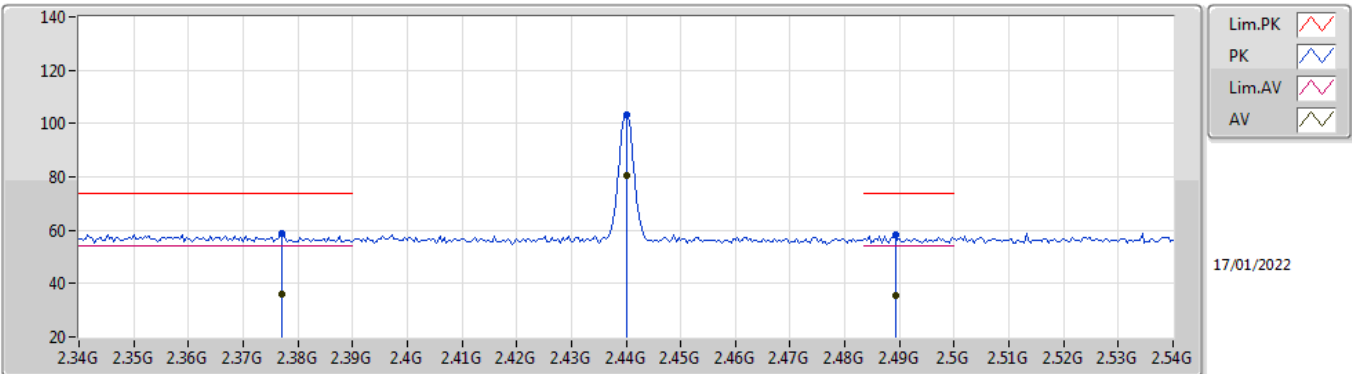
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8041G	21.14	54.00	-32.86	5.82	3	Horizontal	151	1.51	-	15.32	31.11	8.90	34.19
PK	4.8041G	43.64	74.00	-30.36	5.82	3	Horizontal	151	1.51	-	37.82	31.11	8.90	34.19

BT-BR(1Mbps)_1TX(Port1)

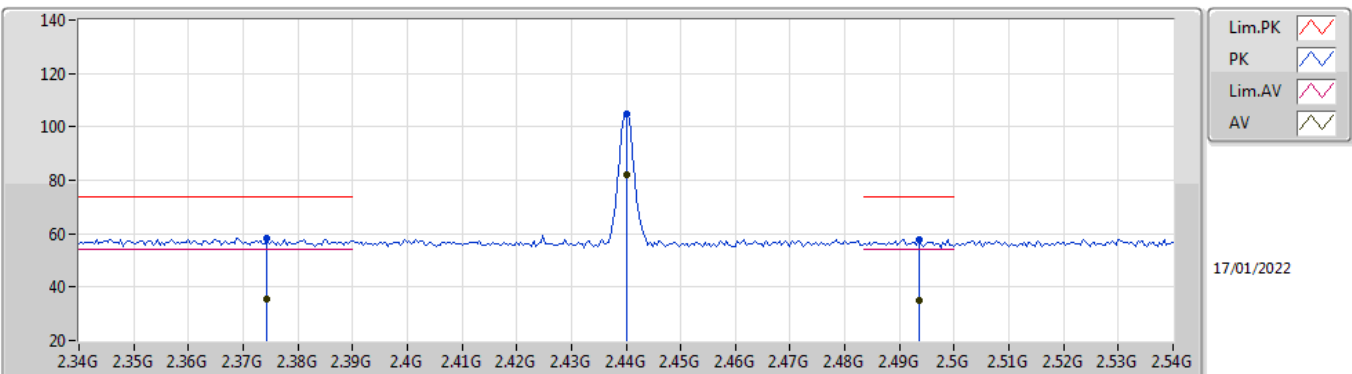
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3772G	36.09	54.00	-17.91	35.00	3	Vertical	270	1.13	-	1.09	27.75	7.25	-
AV	2.44G	80.71	Inf	-Inf	34.75	3	Vertical	270	1.13	-	45.96	27.46	7.29	-
AV	2.4892G	35.64	54.00	-18.36	34.73	3	Vertical	270	1.13	-	0.91	27.40	7.33	-
PK	2.3772G	58.59	74.00	-15.41	35.00	3	Vertical	270	1.13	-	23.59	27.75	7.25	-
PK	2.44G	103.21	Inf	-Inf	34.75	3	Vertical	270	1.13	-	68.46	27.46	7.29	-
PK	2.4892G	58.14	74.00	-15.86	34.73	3	Vertical	270	1.13	-	23.41	27.40	7.33	-

BT-BR(1Mbps)_1TX(Port1)

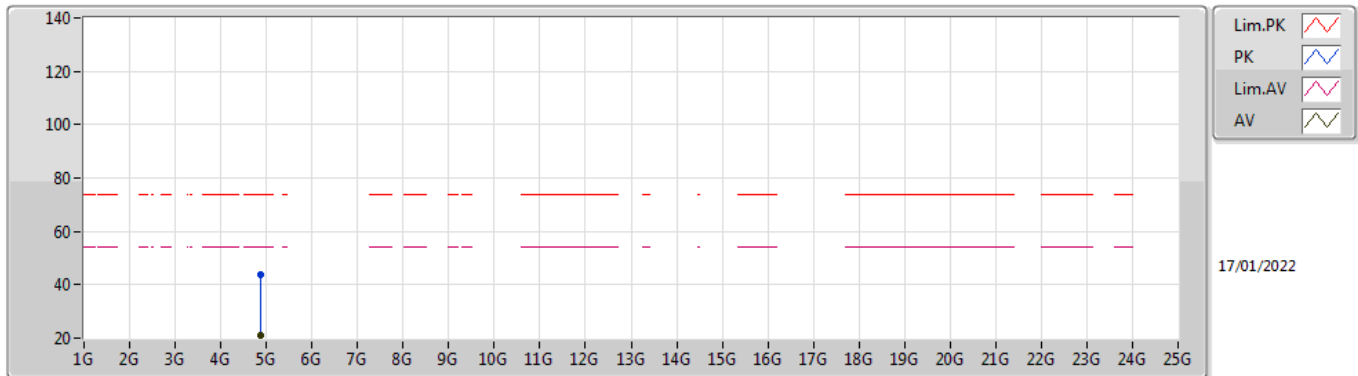
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3744G	35.67	54.00	-18.33	35.00	3	Horizontal	360	1.14	-	0.67	27.75	7.25	-
AV	2.44G	82.19	Inf	-Inf	34.75	3	Horizontal	360	1.14	-	47.44	27.46	7.29	-
AV	2.4936G	35.20	54.00	-18.80	34.73	3	Horizontal	360	1.14	-	0.47	27.40	7.33	-
PK	2.3744G	58.17	74.00	-15.83	35.00	3	Horizontal	360	1.14	-	23.17	27.75	7.25	-
PK	2.44G	104.69	Inf	-Inf	34.75	3	Horizontal	360	1.14	-	69.94	27.46	7.29	-
PK	2.4936G	57.70	74.00	-16.30	34.73	3	Horizontal	360	1.14	-	22.97	27.40	7.33	-

BT-BR(1Mbps)_1TX(Port1)

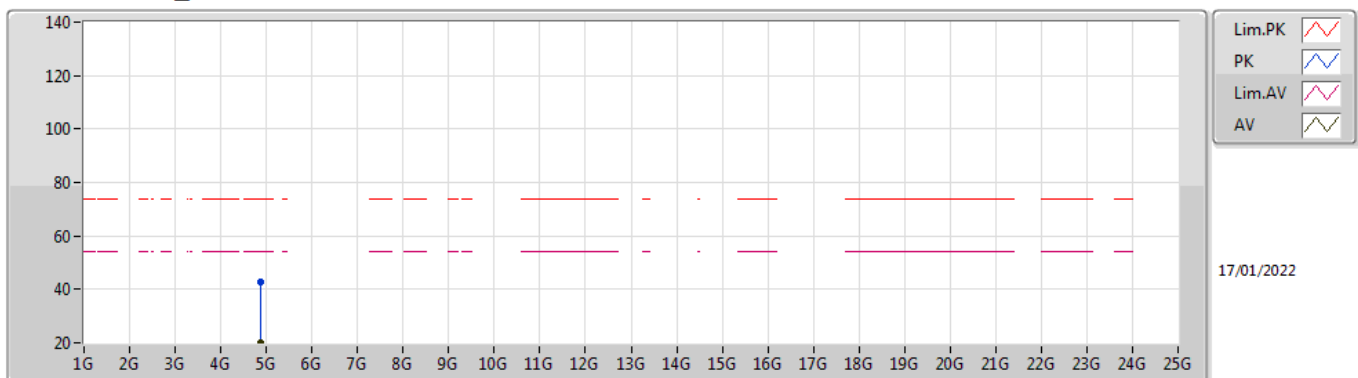
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87968G	21.18	54.00	-32.82	6.00	3	Vertical	94	1.49	-	15.18	31.20	8.96	34.16
PK	4.87968G	43.68	74.00	-30.32	6.00	3	Vertical	94	1.49	-	37.68	31.20	8.96	34.16

BT-BR(1Mbps)_1TX(Port1)

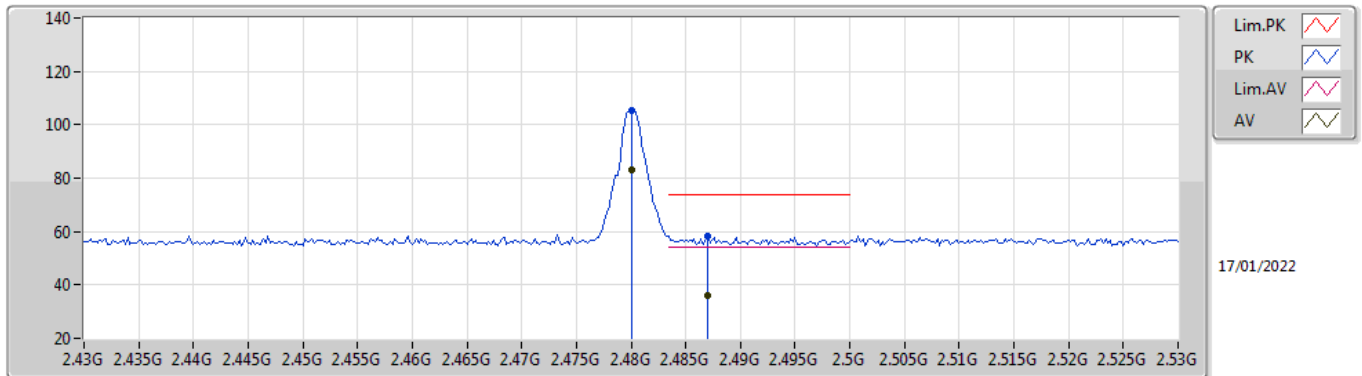
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87912G	20.25	54.00	-33.75	6.00	3	Horizontal	154	1.50	-	14.25	31.20	8.96	34.16
PK	4.87912G	42.75	74.00	-31.25	6.00	3	Horizontal	154	1.50	-	36.75	31.20	8.96	34.16

BT-BR(1Mbps)_1TX(Port1)

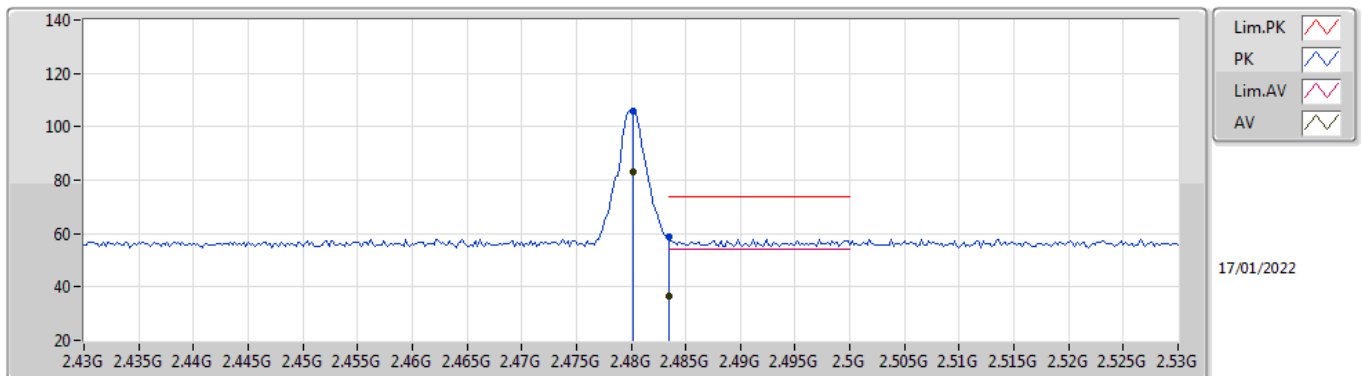
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	83.10	Inf	-Inf	34.72	3	Vertical	273	1.00	-	48.38	27.40	7.32	-
AV	2.487G	35.97	54.00	-18.03	34.73	3	Vertical	273	1.00	-	1.24	27.40	7.33	-
PK	2.48G	105.60	Inf	-Inf	34.72	3	Vertical	273	1.00	-	70.88	27.40	7.32	-
PK	2.487G	58.47	74.00	-15.53	34.73	3	Vertical	273	1.00	-	23.74	27.40	7.33	-

BT-BR(1Mbps)_1TX(Port1)

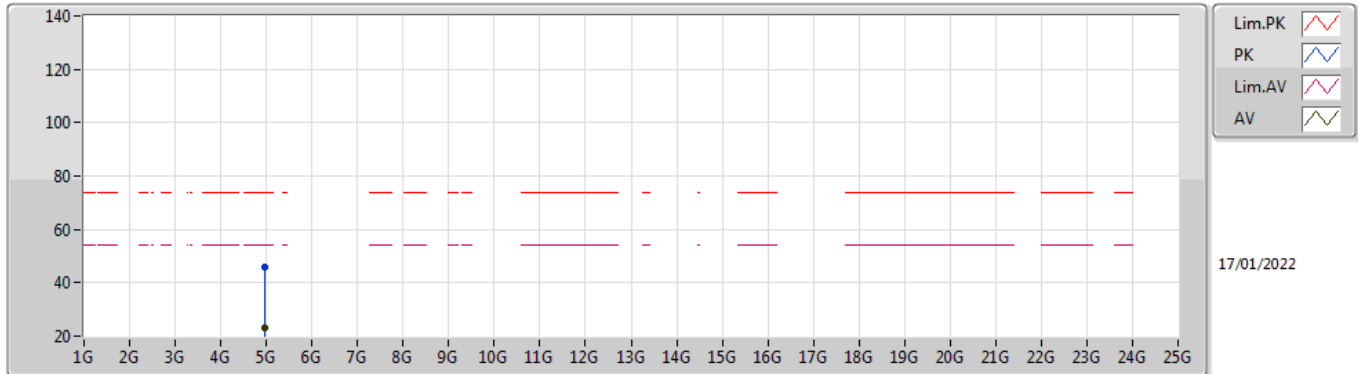
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4802G	83.33	Inf	-Inf	34.72	3	Horizontal	193	1.52	-	48.61	27.40	7.32	-
AV	2.4835G	36.53	54.00	-17.47	34.73	3	Horizontal	193	1.52	-	1.80	27.40	7.33	-
PK	2.4802G	105.83	Inf	-Inf	34.72	3	Horizontal	193	1.52	-	71.11	27.40	7.32	-
PK	2.4835G	59.03	74.00	-14.97	34.73	3	Horizontal	193	1.52	-	24.30	27.40	7.33	-

BT-BR(1Mbps)_1TX(Port1)

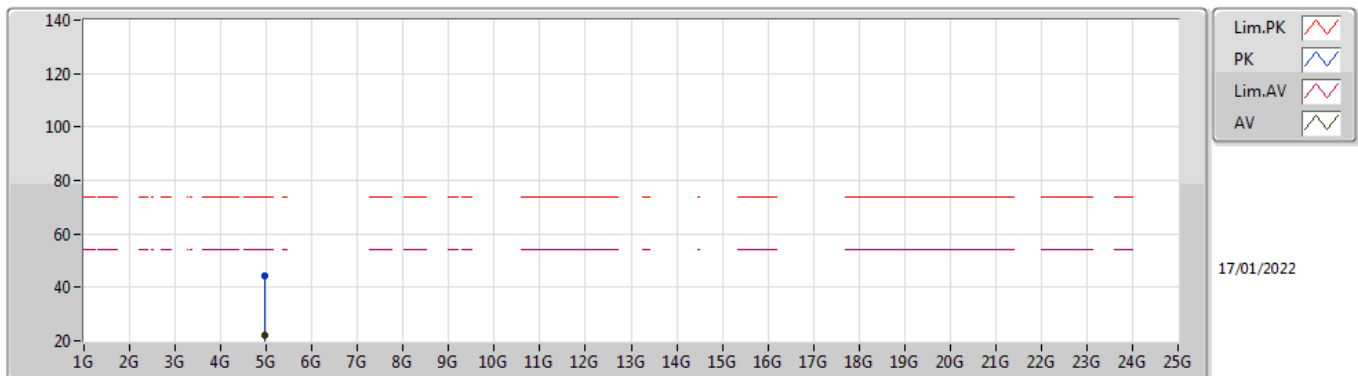
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96044G	23.34	54.00	-30.66	6.32	3	Vertical	93	1.12	-	17.02	31.42	9.02	34.12
PK	4.96044G	45.84	74.00	-28.16	6.32	3	Vertical	93	1.12	-	39.52	31.42	9.02	34.12

BT-BR(1Mbps)_1TX(Port1)

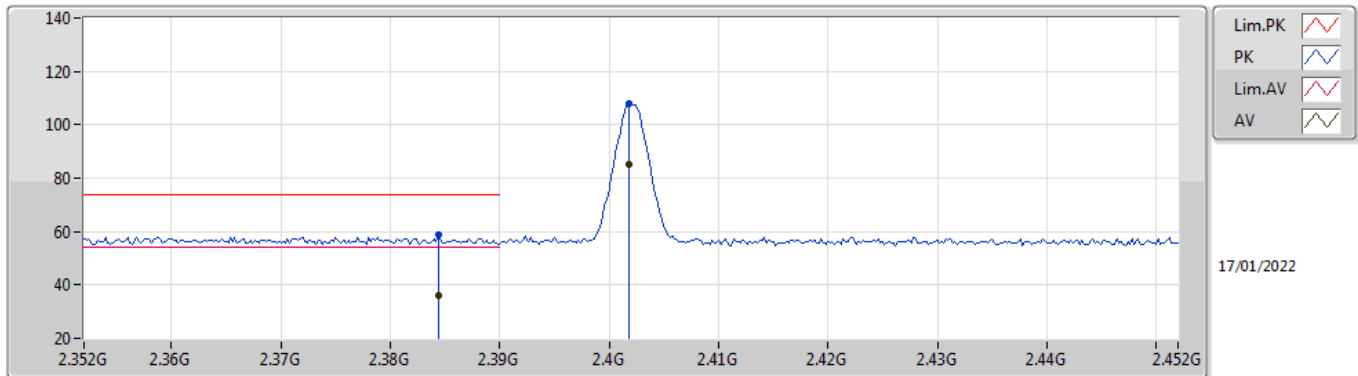
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96026G	22.03	54.00	-31.97	6.32	3	Horizontal	335	2.61	-	15.71	31.42	9.02	34.12
PK	4.96026G	44.53	74.00	-29.47	6.32	3	Horizontal	335	2.61	-	38.21	31.42	9.02	34.12

BT-EDR(3Mbps)

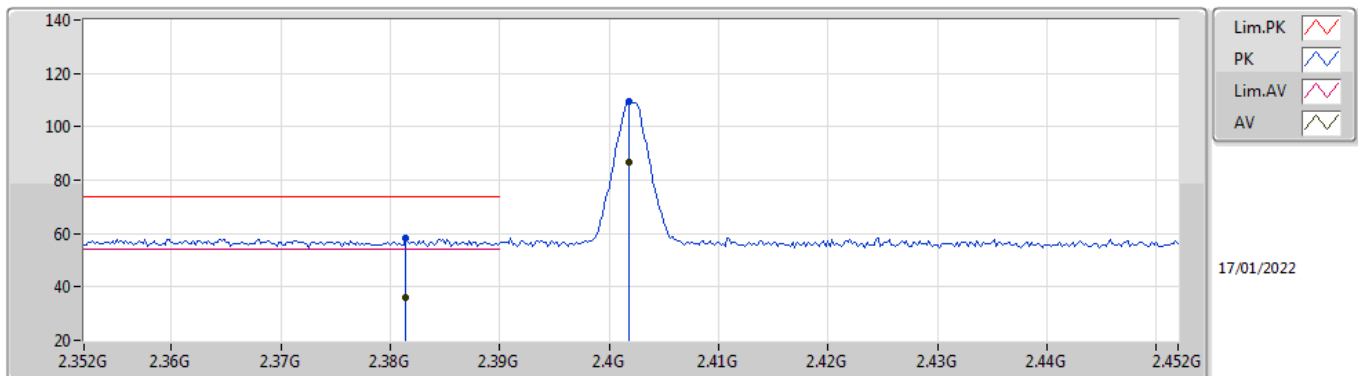
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3844G	36.15	54.00	-17.85	34.98	3	Vertical	273	1.26	-	1.17	27.73	7.25	-
AV	2.4018G	85.25	Inf	-Inf	34.95	3	Vertical	273	1.26	-	50.30	27.69	7.26	-
PK	2.3844G	58.65	74.00	-15.35	34.98	3	Vertical	273	1.26	-	23.67	27.73	7.25	-
PK	2.4018G	107.75	Inf	-Inf	34.95	3	Vertical	273	1.26	-	72.80	27.69	7.26	-

BT-EDR(3Mbps)

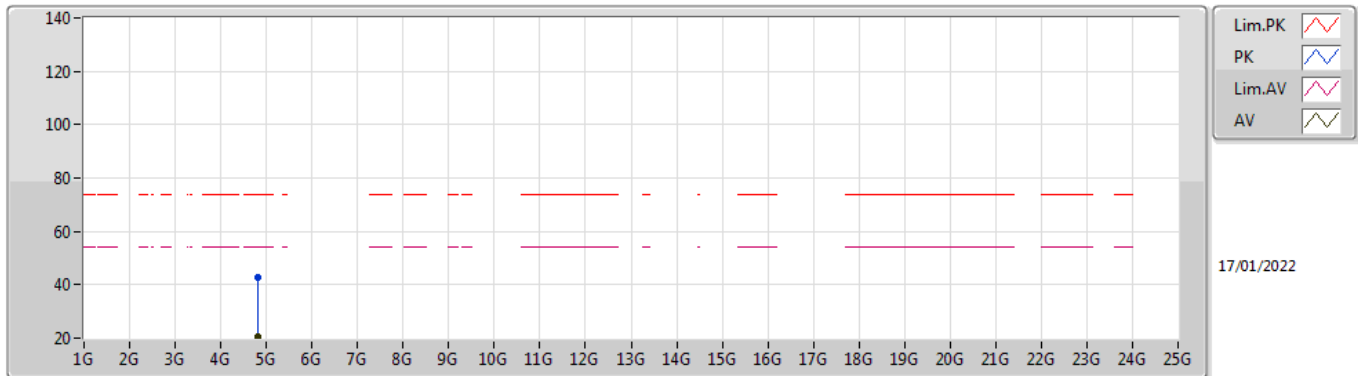
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3814G	35.89	54.00	-18.11	34.99	3	Horizontal	351	1.00	-	0.90	27.74	7.25	-
AV	2.4018G	86.76	Inf	-Inf	34.95	3	Horizontal	351	1.00	-	51.81	27.69	7.26	-
PK	2.3814G	58.39	74.00	-15.61	34.99	3	Horizontal	351	1.00	-	23.40	27.74	7.25	-
PK	2.4018G	109.26	Inf	-Inf	34.95	3	Horizontal	351	1.00	-	74.31	27.69	7.26	-

BT-EDR(3Mbps)

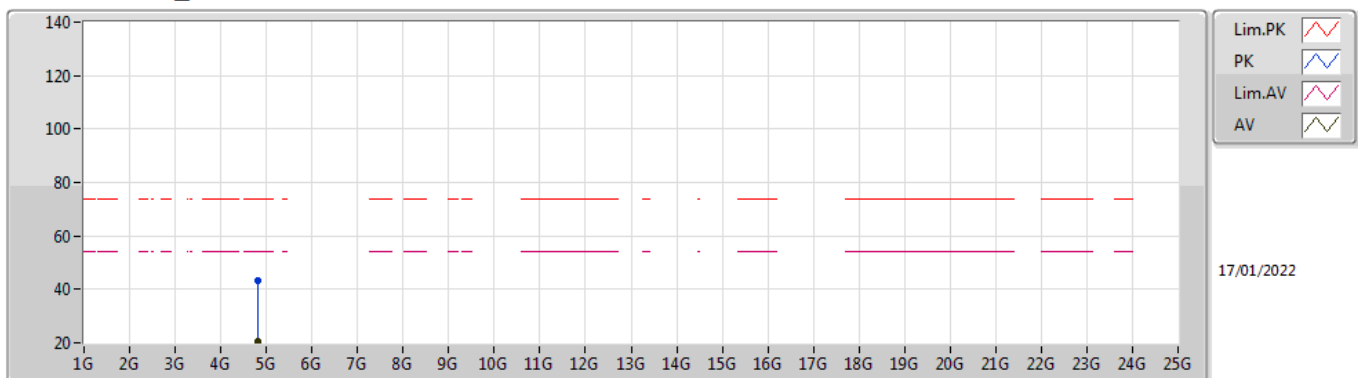
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80258G	20.37	54.00	-33.63	5.82	3	Vertical	94	1.09	-	14.55	31.11	8.90	34.19
PK	4.80258G	42.87	74.00	-31.13	5.82	3	Vertical	94	1.09	-	37.05	31.11	8.90	34.19

BT-EDR(3Mbps)

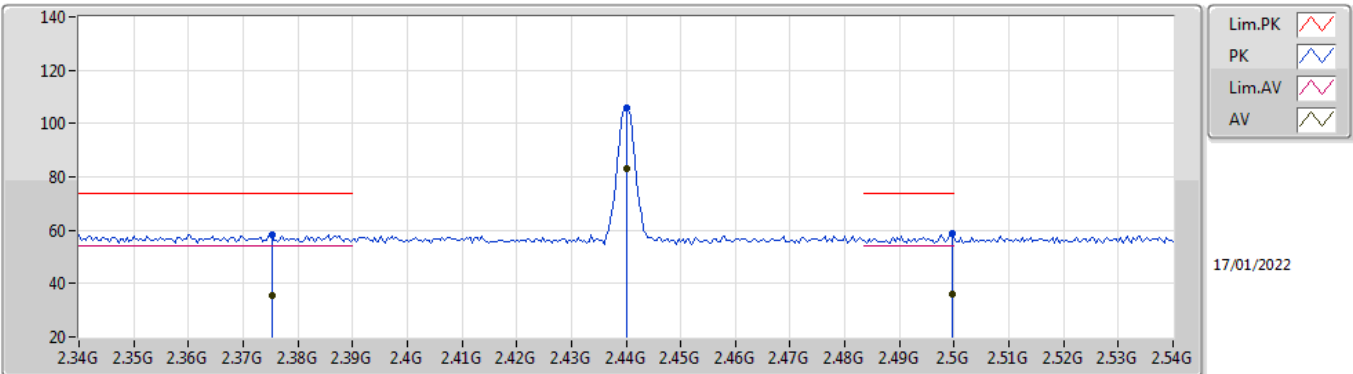
2402MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.80386G	20.61	54.00	-33.39	5.82	3	Horizontal	174	1.00	-	14.79	31.11	8.90	34.19
PK	4.80386G	43.11	74.00	-30.89	5.82	3	Horizontal	174	1.00	-	37.29	31.11	8.90	34.19

BT-EDR(3Mbps)

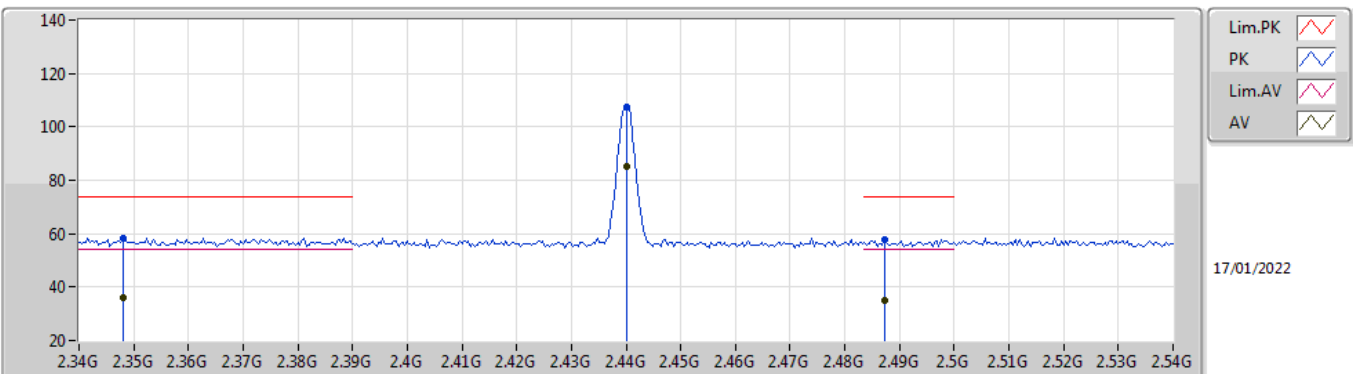
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3752G	35.68	54.00	-18.32	35.00	3	Vertical	291	1.05	-	0.68	27.75	7.25	-
AV	2.44G	83.22	Inf	-Inf	34.75	3	Vertical	291	1.05	-	48.47	27.46	7.29	-
AV	2.4996G	36.29	54.00	-17.71	34.74	3	Vertical	291	1.05	-	1.55	27.40	7.34	-
PK	2.3752G	58.18	74.00	-15.82	35.00	3	Vertical	291	1.05	-	23.18	27.75	7.25	-
PK	2.44G	105.72	Inf	-Inf	34.75	3	Vertical	291	1.05	-	70.97	27.46	7.29	-
PK	2.4996G	58.79	74.00	-15.21	34.74	3	Vertical	291	1.05	-	24.05	27.40	7.34	-

BT-EDR(3Mbps)

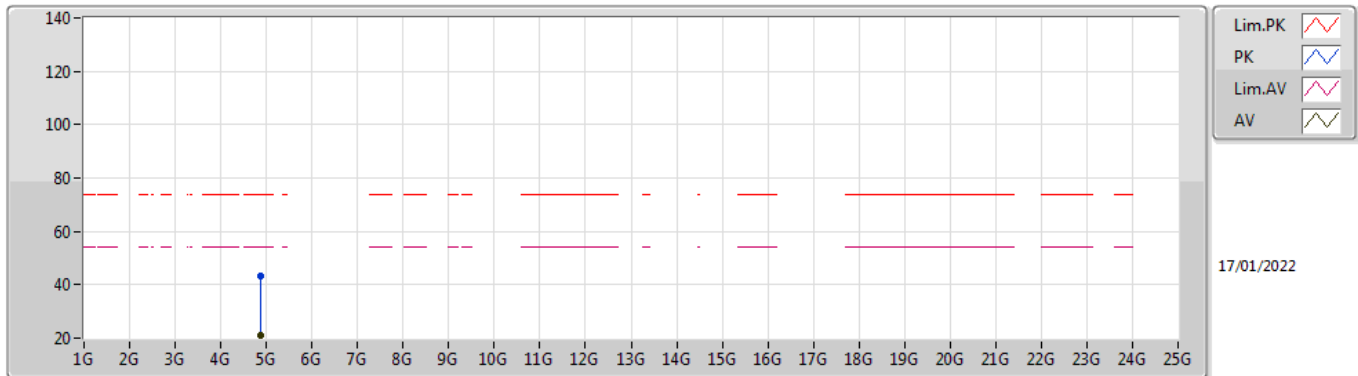
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.348G	36.00	54.00	-18.00	35.04	3	Horizontal	352	1.50	-	0.96	27.80	7.24	-
AV	2.44G	84.96	Inf	-Inf	34.75	3	Horizontal	352	1.50	-	50.21	27.46	7.29	-
AV	2.4872G	35.17	54.00	-18.83	34.73	3	Horizontal	352	1.50	-	0.44	27.40	7.33	-
PK	2.348G	58.50	74.00	-15.50	35.04	3	Horizontal	352	1.50	-	23.46	27.80	7.24	-
PK	2.44G	107.46	Inf	-Inf	34.75	3	Horizontal	352	1.50	-	72.71	27.46	7.29	-
PK	2.4872G	57.67	74.00	-16.33	34.73	3	Horizontal	352	1.50	-	22.94	27.40	7.33	-

BT-EDR(3Mbps)

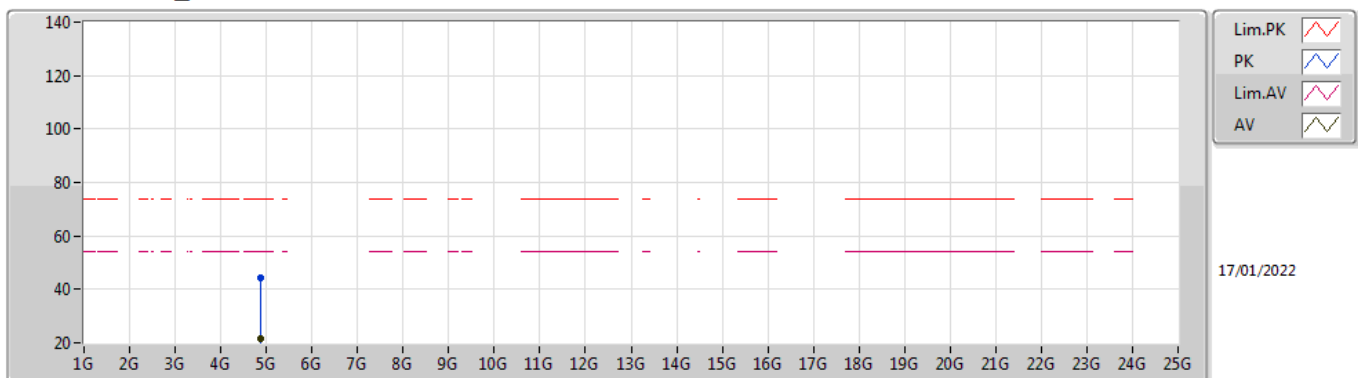
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88147G	20.88	54.00	-33.12	6.00	3	Vertical	93	1.50	-	14.88	31.20	8.96	34.16
PK	4.88147G	43.38	74.00	-30.62	6.00	3	Vertical	93	1.50	-	37.38	31.20	8.96	34.16

BT-EDR(3Mbps)

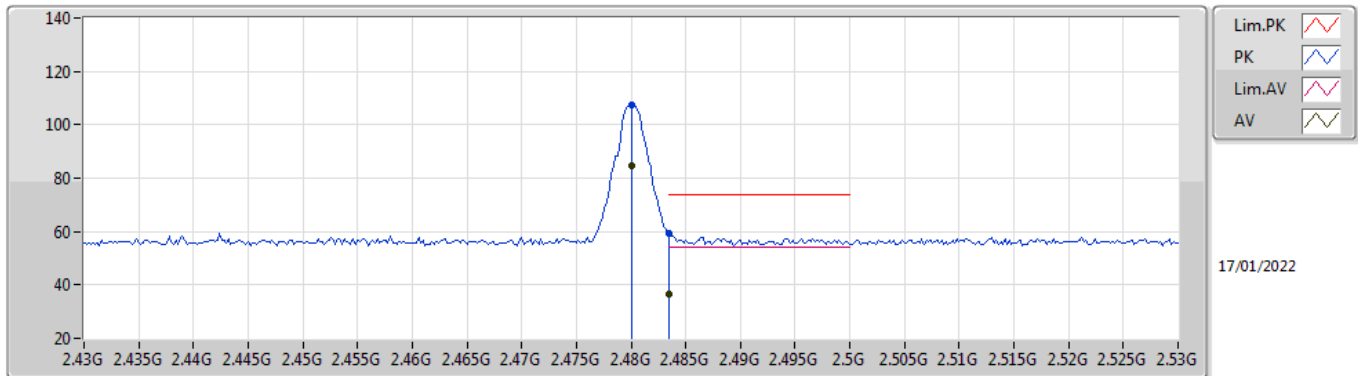
2440MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8797G	21.57	54.00	-32.43	6.00	3	Horizontal	167	1.00	-	15.57	31.20	8.96	34.16
PK	4.8797G	44.07	74.00	-29.93	6.00	3	Horizontal	167	1.00	-	38.07	31.20	8.96	34.16

BT-EDR(3Mbps)

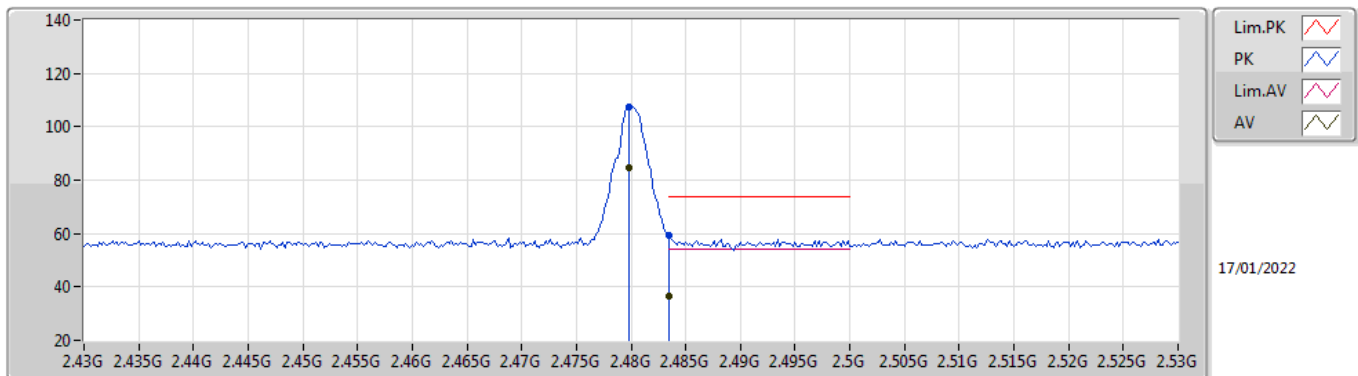
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	84.83	Inf	-Inf	34.72	3	Vertical	273	1.00	-	50.11	27.40	7.32	-
AV	2.4835G	36.58	54.00	-17.42	34.73	3	Vertical	273	1.00	-	1.85	27.40	7.33	-
PK	2.48G	107.33	Inf	-Inf	34.72	3	Vertical	273	1.00	-	72.61	27.40	7.32	-
PK	2.4835G	59.08	74.00	-14.92	34.73	3	Vertical	273	1.00	-	24.35	27.40	7.33	-

BT-EDR(3Mbps)

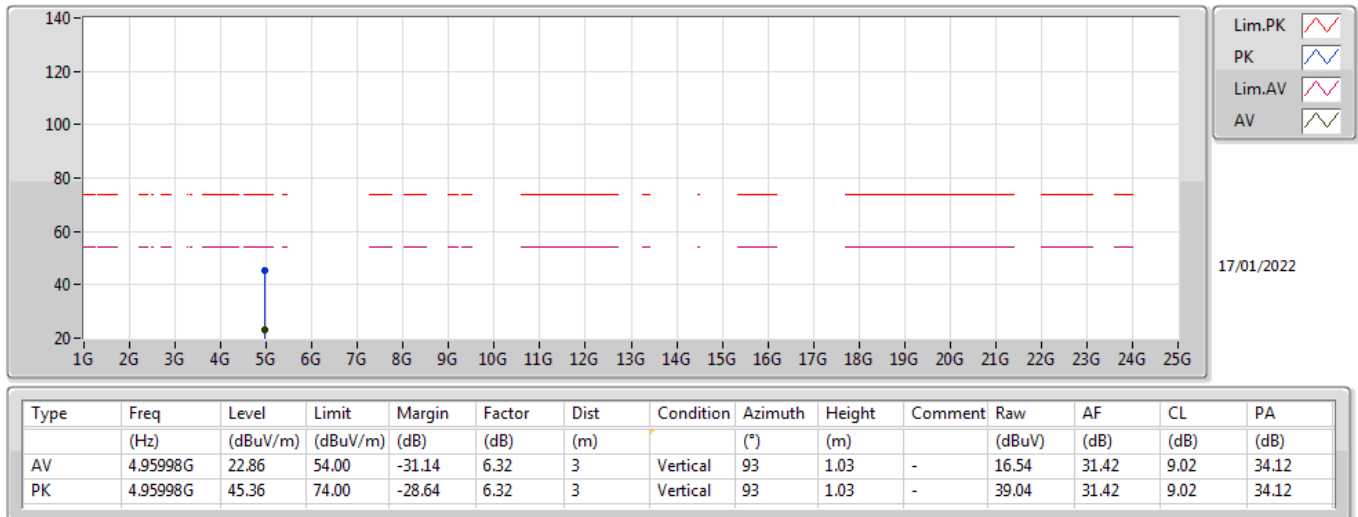
2480MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4798G	84.73	Inf	-Inf	34.72	3	Horizontal	188	1.50	-	50.01	27.40	7.32	-
AV	2.4835G	36.56	54.00	-17.44	34.73	3	Horizontal	188	1.50	-	1.83	27.40	7.33	-
PK	2.4798G	107.23	Inf	-Inf	34.72	3	Horizontal	188	1.50	-	72.51	27.40	7.32	-
PK	2.4835G	59.06	74.00	-14.94	34.73	3	Horizontal	188	1.50	-	24.33	27.40	7.33	-

BT-EDR(3Mbps)

2480MHz_TX



BT-EDR(3Mbps)

2480MHz_TX

