

FCC Test Report

FCC ID : 2AYS4-AIP6MA
Equipment : SiP Module
Brand Name : AIP
Model Name : SCLCT06M
Applicant : Advanced Semiconductor Engineering, Inc., Chung-Li Branch
550, Chung-Hwa Road Section 1, Chung-Li District, Taoyuan
City 32016, Taiwan
Manufacturer : Advanced Semiconductor Engineering, Inc., Chung-Li Branch
550, Chung-Hwa Road Section 1, Chung-Li District, Taoyuan
City 32016, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 21, 2021, and testing was started from Jan. 23, 2021 and completed on Feb. 04, 2021. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, 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	Gain (dBi)
1	Unictron	AA080	Chip	I-PEX	-0.3

Note 1: The EUT has one antenna.

For BT function:

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

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

1.1.3 EUT Information

Operational Condition	
EUT Power Type	From AC Adapter / From Host system
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.: ASE Group / 6M05-DB02
☐	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)	0.775	1.11	2.891m	1k
BT-EDR(2Mbps)	0.433	3.64	1.53m	1k
BT-EDR(3Mbps)	0.319	4.96	1.073m	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

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward Wang	20.8~21.3°C / 54~ 58%	26/Jan/2021
RF Conducted	TH07-HY	Justin Pan	20.1~23.3°C / 50~58.5%	04/Feb/2021
Radiated	03CH03-HY	Edward Wang	20.1~23.6°C / 50~61%	23/Jan/2021~ 26/Jan/2021

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 Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	BlueSuite.WIN.3.3 Installer_3.3.5.817
-----------------------	---------------------------------------

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

2.3 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
Operating Mode	CTX
1	USB 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.	

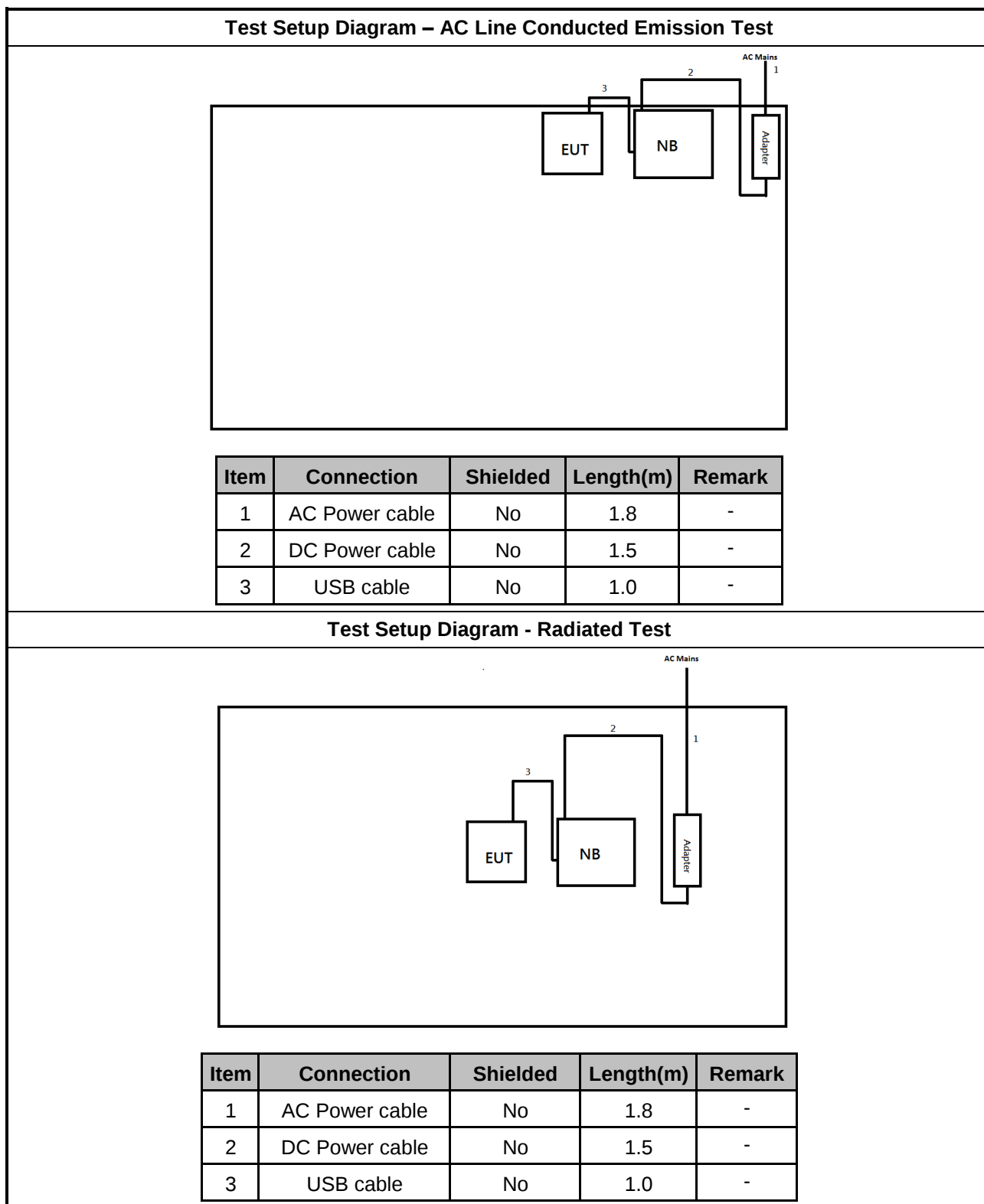
The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	USB Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V		

2.4 Support Equipment

Support Equipment – AC Conduction and Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Power Sync	TPCMRN0018	-	-
2	Notebook	DELL	P35F	-	-
3	Adapter for NB	DELL	AA90PM111	-	-
4	USB Cable	Sporton	Sporton	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5540	-	-
2	Adapter for NB	DELL	LA90PS0-00	-	-

2.5 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

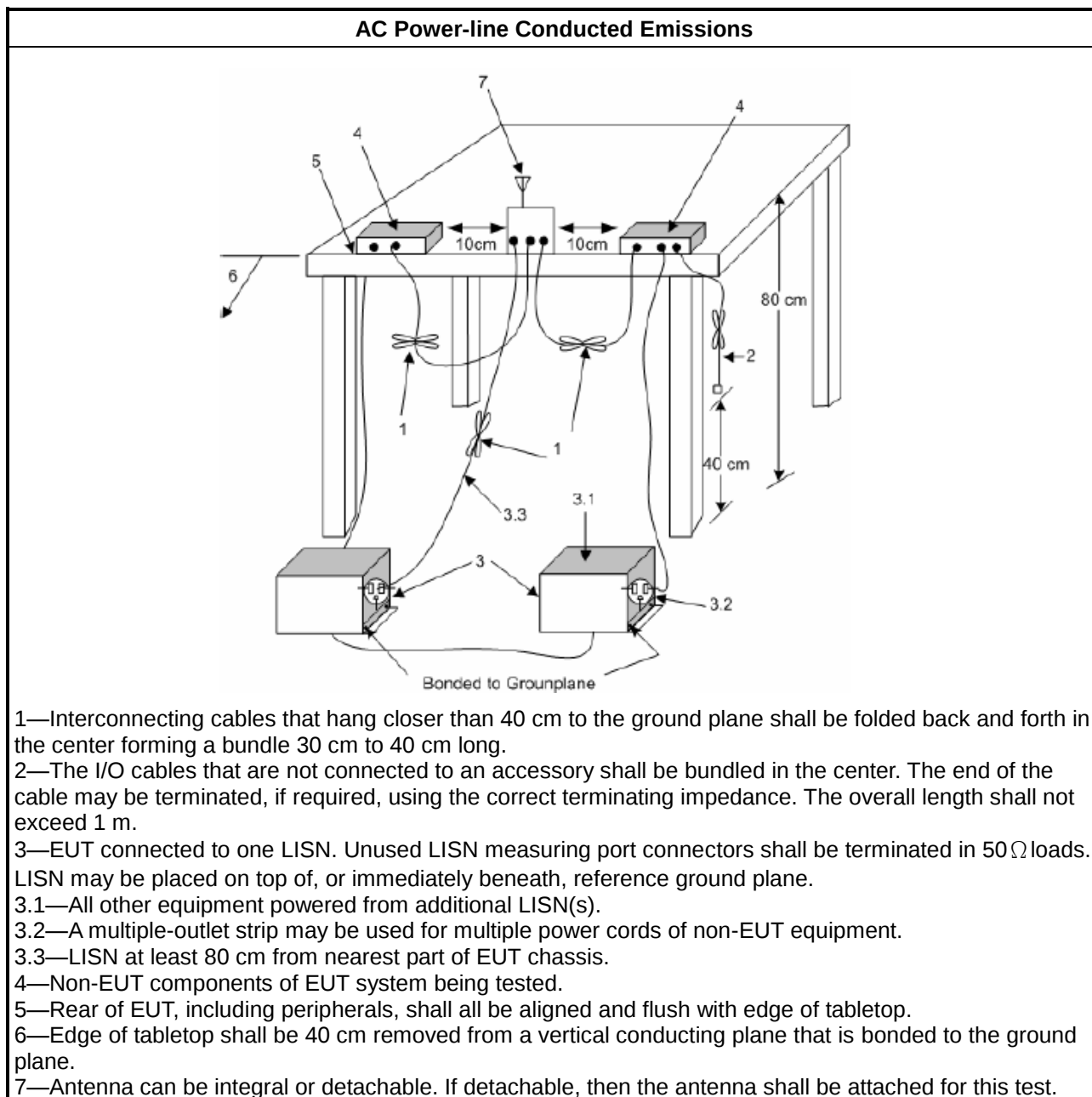
Test Method
▪ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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	

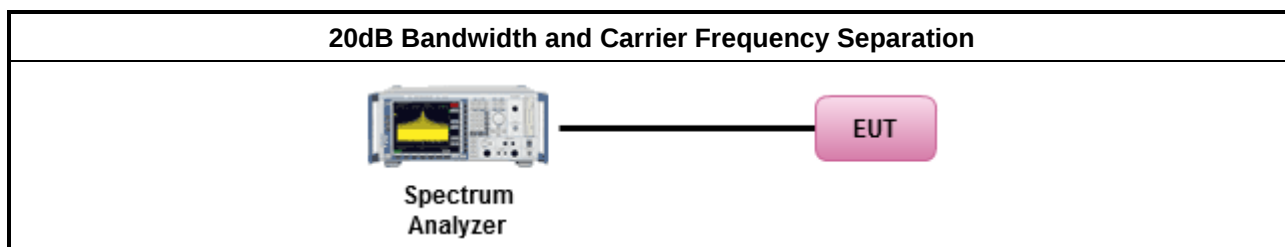
3.2.2 Measuring Instruments

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	

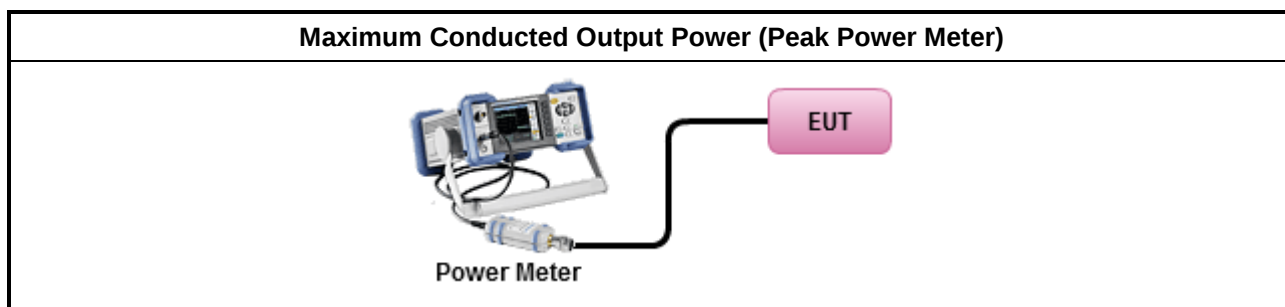
3.3.2 Measuring Instruments

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

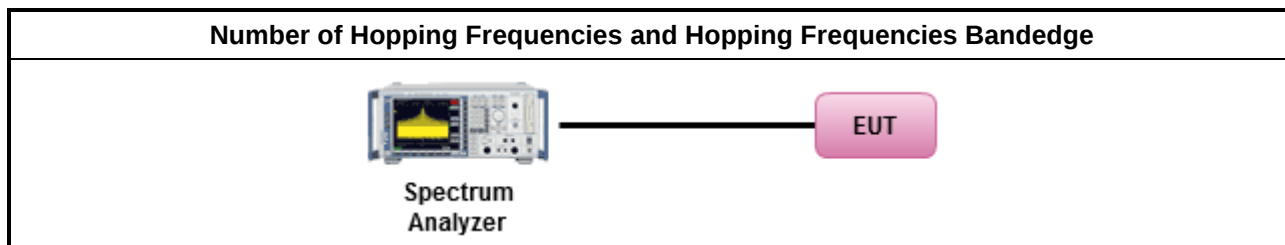
3.4.3 Measuring Instruments

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	

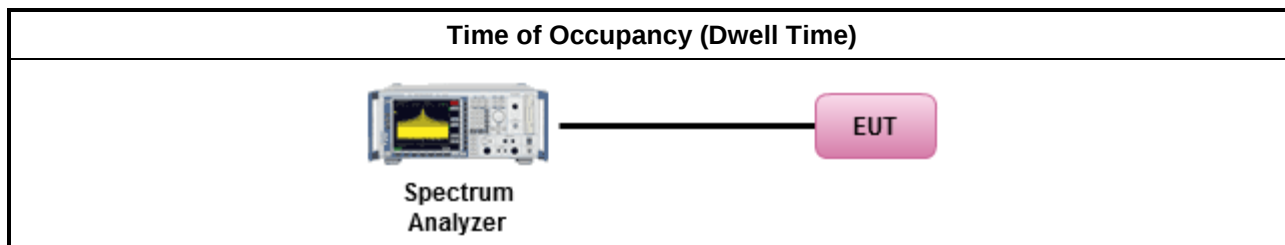
3.5.2 Measuring Instruments

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.	

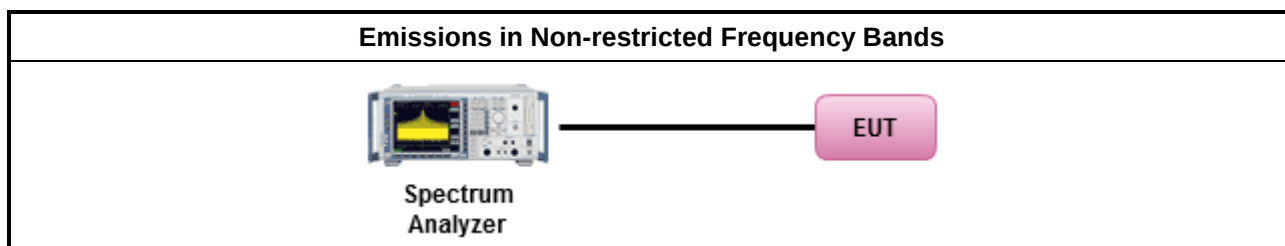
3.6.2 Measuring Instruments

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

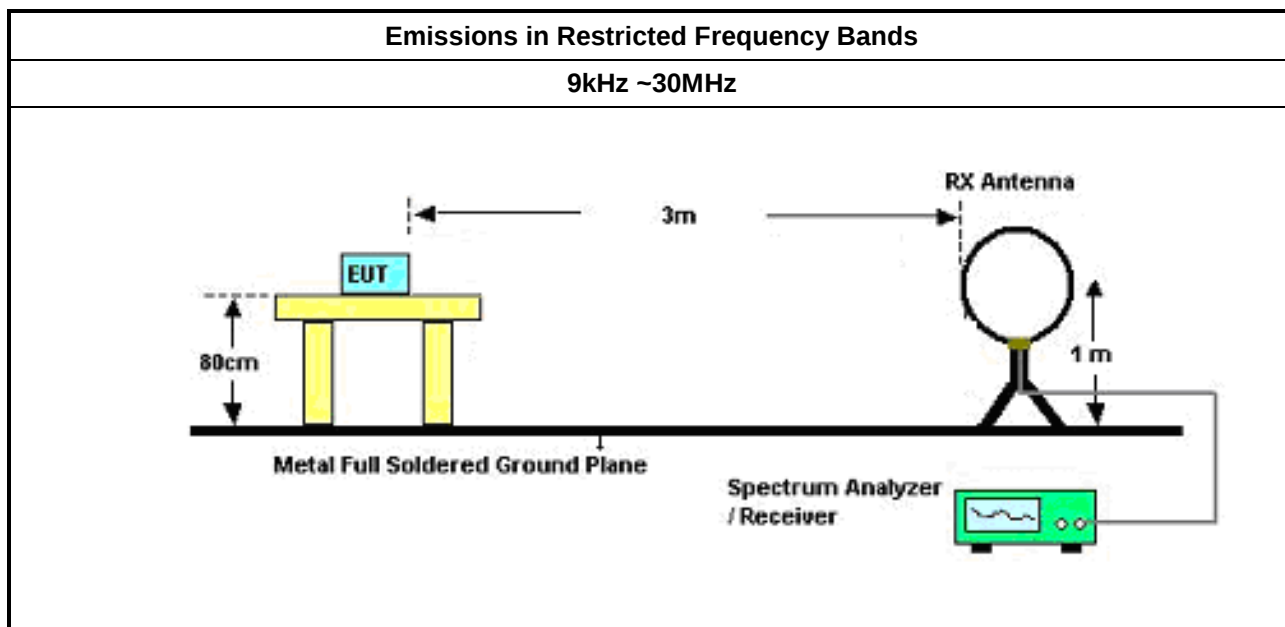
Test Method	
The average emission levels shall be measured in [hopping duty factor].	
Refer as ANSI C63.10; clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall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

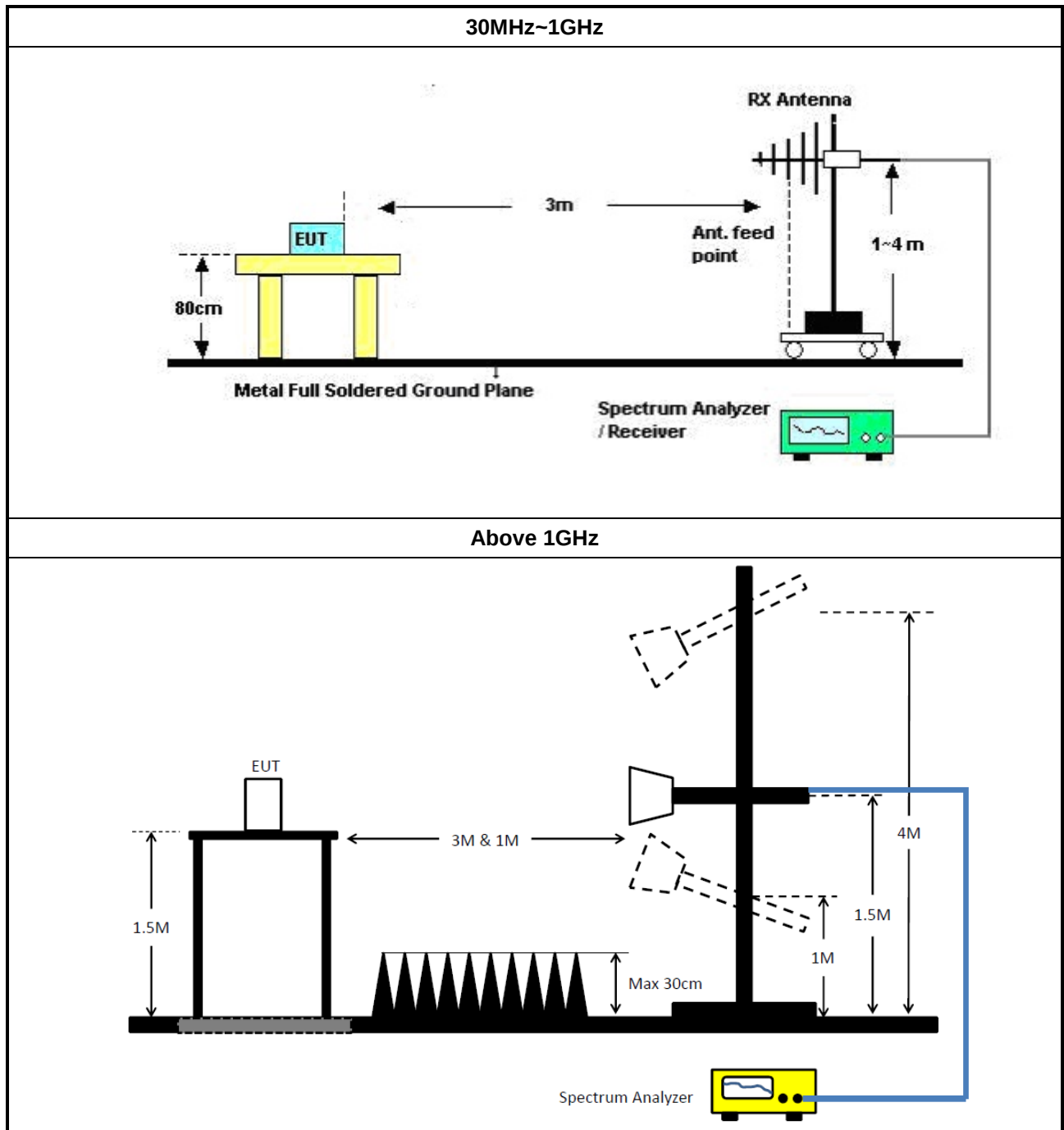
3.7.4 Measurement Results Calculation

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	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	31/Aug/2020	30/Aug/2021
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

NCR : Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	15/Feb/2020	14/Feb/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	27/Nov/2020	26/Nov/2021
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	27/Nov/2020	26/Nov/2021

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	06/Aug/2020	05/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	04/Aug/2020	03/Aug/2021
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	14/Apr/2020	13/Apr/2021
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	06/Oct/2020	05/Oct/2021
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	25/Oct/2020	24/Oct/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	26/Mar/2020	25/Mar/2021
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	19/Jun/2020	18/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	18/Mar/2020	17/Mar/2021
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	04/Aug/2020	03/Aug/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021



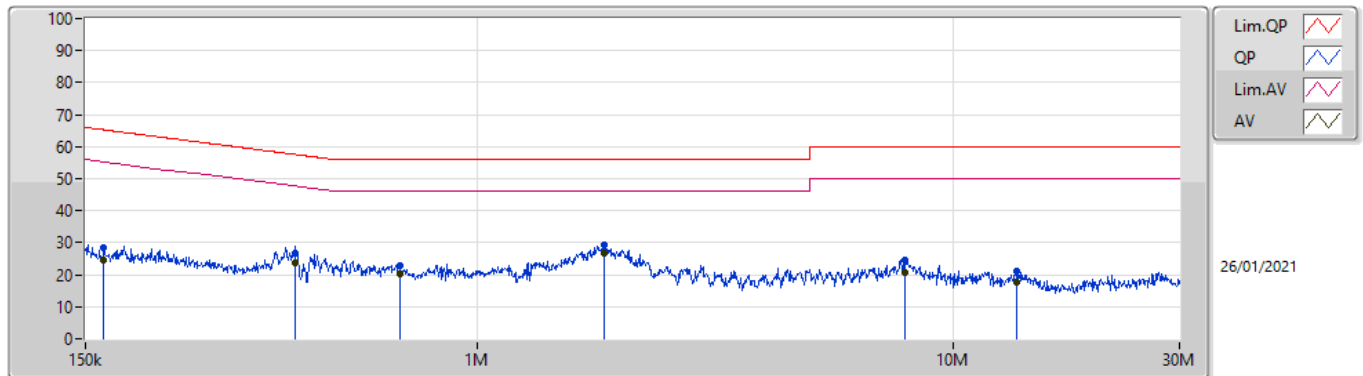
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	432.041k	30.37	47.20	-16.83	Neutral

Mode Configure

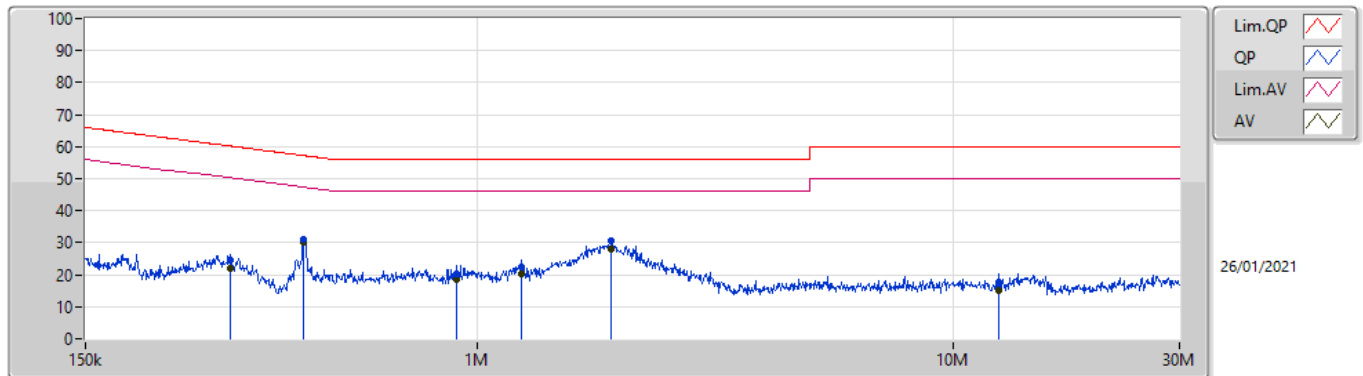
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	163.769k	28.49	65.27	-36.78	Line	-
Mode 1	Pass	AV	163.769k	24.53	55.27	-30.74	Line	-
Mode 1	Pass	QP	415.134k	26.54	57.55	-31.01	Line	-
Mode 1	Pass	AV	415.134k	23.84	47.55	-23.71	Line	-
Mode 1	Pass	QP	686.493k	23.02	56.00	-32.98	Line	-
Mode 1	Pass	AV	686.493k	20.31	46.00	-25.69	Line	-
Mode 1	Pass	QP	1.855M	29.38	56.00	-26.62	Line	-
Mode 1	Pass	AV	1.855M	26.70	46.00	-19.30	Line	"Worst"
Mode 1	Pass	QP	7.964M	24.74	60.00	-35.26	Line	-
Mode 1	Pass	AV	7.964M	20.89	50.00	-29.11	Line	-
Mode 1	Pass	QP	13.652M	21.02	60.00	-38.98	Line	-
Mode 1	Pass	AV	13.652M	17.85	50.00	-32.15	Line	-
Mode 1	Pass	QP	301.641k	24.43	60.21	-35.78	Neutral	-
Mode 1	Pass	AV	301.641k	22.07	50.21	-28.14	Neutral	-
Mode 1	Pass	QP	432.041k	31.24	57.20	-25.96	Neutral	-
Mode 1	Pass	AV	432.041k	30.37	47.20	-16.83	Neutral	"Worst"
Mode 1	Pass	QP	904.195k	20.42	56.00	-35.58	Neutral	-
Mode 1	Pass	AV	904.195k	18.55	46.00	-27.45	Neutral	-
Mode 1	Pass	QP	1.239M	22.53	56.00	-33.47	Neutral	-
Mode 1	Pass	AV	1.239M	20.07	46.00	-25.93	Neutral	-
Mode 1	Pass	QP	1.908M	30.68	56.00	-25.32	Neutral	-
Mode 1	Pass	AV	1.908M	27.85	46.00	-18.15	Neutral	-
Mode 1	Pass	QP	12.504M	17.57	60.00	-42.43	Neutral	-
Mode 1	Pass	AV	12.504M	14.93	50.00	-35.07	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	163.769k	28.49	65.27	-36.78	19.60	Line	-	8.89	9.69	0.01	9.90			
AV	163.769k	24.53	55.27	-30.74	19.60	Line	-	4.93	9.69	0.01	9.90			
QP	415.134k	26.54	57.55	-31.01	19.59	Line	-	6.95	9.67	0.02	9.90			
AV	415.134k	23.84	47.55	-23.71	19.59	Line	-	4.25	9.67	0.02	9.90			
QP	686.493k	23.02	56.00	-32.98	19.55	Line	-	3.47	9.67	0.04	9.84			
AV	686.493k	20.31	46.00	-25.69	19.55	Line	-	0.76	9.67	0.04	9.84			
QP	1.855M	29.38	56.00	-26.62	19.56	Line	-	9.82	9.68	0.08	9.80			
AV	1.855M	26.70	46.00	-19.30	19.56	Line	"Worst"	7.14	9.68	0.08	9.80			
QP	7.964M	24.74	60.00	-35.26	19.80	Line	-	4.94	9.71	0.19	9.90			
AV	7.964M	20.89	50.00	-29.11	19.80	Line	-	1.09	9.71	0.19	9.90			
QP	13.652M	21.02	60.00	-38.98	19.84	Line	-	1.18	9.70	0.24	9.90			
AV	13.652M	17.85	50.00	-32.15	19.84	Line	-	-1.99	9.70	0.24	9.90			

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	301.641k	24.43	60.21	-35.78	19.59	Neutral	-	4.84	9.67	0.02	9.90			
AV	301.641k	22.07	50.21	-28.14	19.59	Neutral	-	2.48	9.67	0.02	9.90			
QP	432.041k	31.24	57.20	-25.96	19.58	Neutral	-	11.66	9.67	0.02	9.89			
AV	432.041k	30.37	47.20	-16.83	19.58	Neutral	"Worst"	10.79	9.67	0.02	9.89			
QP	904.195k	20.42	56.00	-35.58	19.53	Neutral	-	0.89	9.67	0.05	9.81			
AV	904.195k	18.55	46.00	-27.45	19.53	Neutral	-	-0.98	9.67	0.05	9.81			
QP	1.239M	22.53	56.00	-33.47	19.53	Neutral	-	3.00	9.67	0.06	9.80			
AV	1.239M	20.07	46.00	-25.93	19.53	Neutral	-	0.54	9.67	0.06	9.80			
QP	1.908M	30.68	56.00	-25.32	19.56	Neutral	-	11.12	9.68	0.08	9.80			
AV	1.908M	27.85	46.00	-18.15	19.56	Neutral	-	8.29	9.68	0.08	9.80			
QP	12.504M	17.57	60.00	-42.43	19.87	Neutral	-	-2.30	9.74	0.23	9.90			
AV	12.504M	14.93	50.00	-35.07	19.87	Neutral	-	-4.94	9.74	0.23	9.90			

**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)	935k	879.56k	880KF1D	935k	872.064k
BT-EDR(2Mbps)	1.321M	1.192M	1M19G1D	1.32M	1.188M
BT-EDR(3Mbps)	1.275M	1.192M	1M19G1D	1.274M	1.187M

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

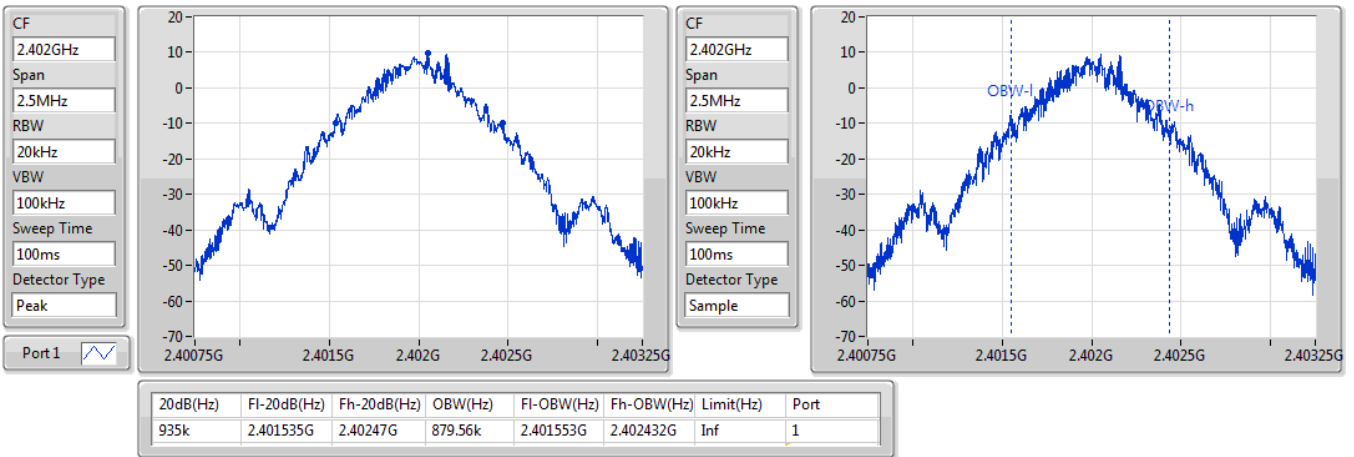
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	Inf	935k	879.56k
2440MHz_TnomVnom-FHSS	Pass	Inf	935k	874.563k
2480MHz_TnomVnom-FHSS	Pass	Inf	935k	872.064k
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	Inf	1.32M	1.188M
2440MHz_TnomVnom-FHSS	Pass	Inf	1.321M	1.192M
2480MHz_TnomVnom-FHSS	Pass	Inf	1.321M	1.188M
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	Inf	1.275M	1.187M
2440MHz_TnomVnom-FHSS	Pass	Inf	1.275M	1.192M
2480MHz_TnomVnom-FHSS	Pass	Inf	1.274M	1.189M

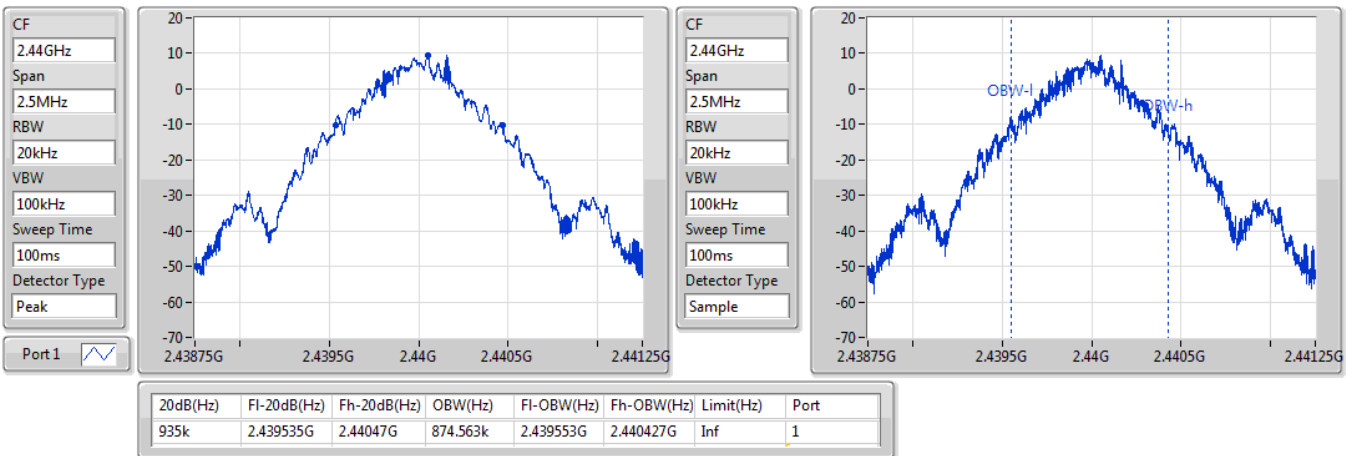
Port X-N dB = Port X 20dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

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

04/02/2021

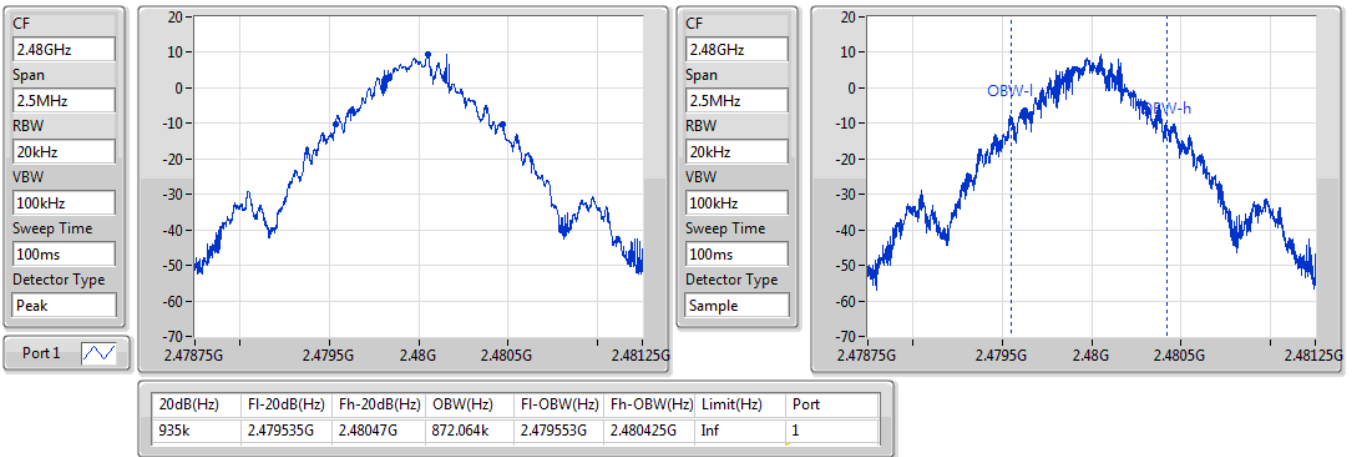

BT-BR(1Mbps)
2440MHz
EBW-FS

04/02/2021

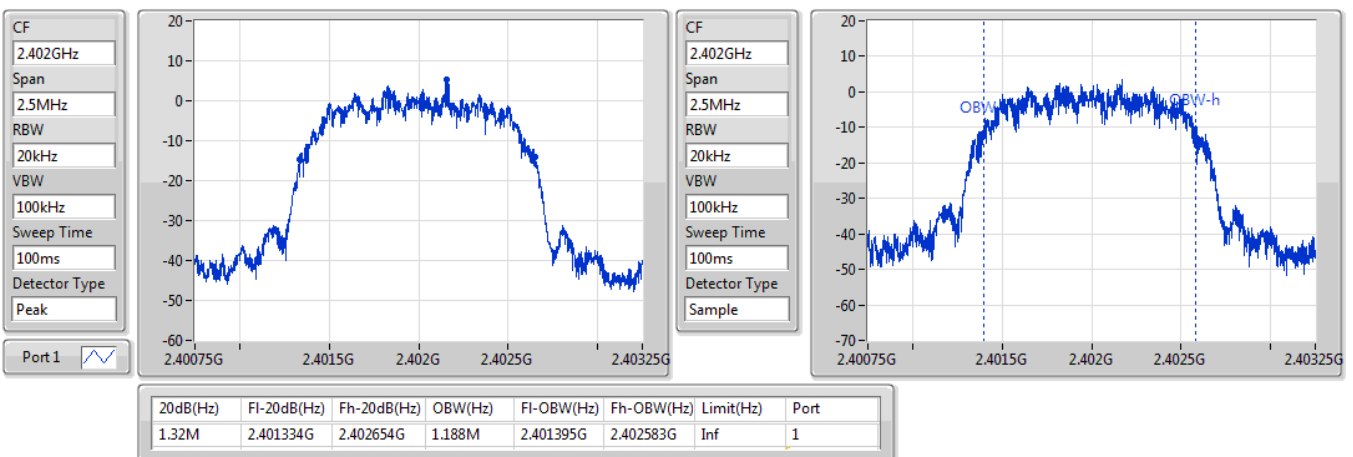


BT-BR(1Mbps)
EBW-FS
2480MHz

04/02/2021

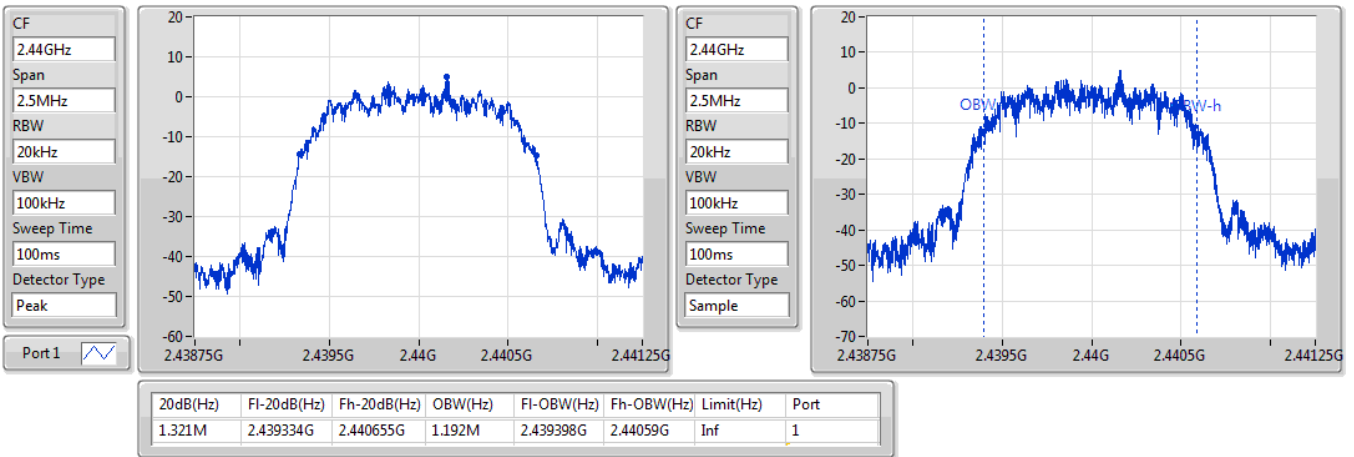

BT-EDR(2Mbps)
EBW-FS
2402MHz

04/02/2021

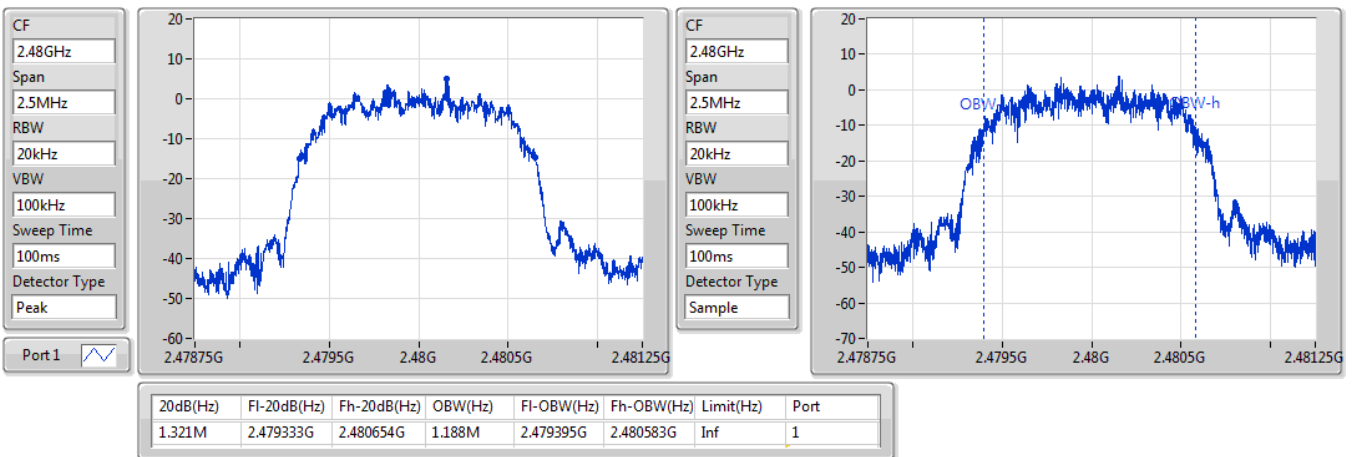


BT-EDR(2Mbps)
EBW-FS
2440MHz

04/02/2021

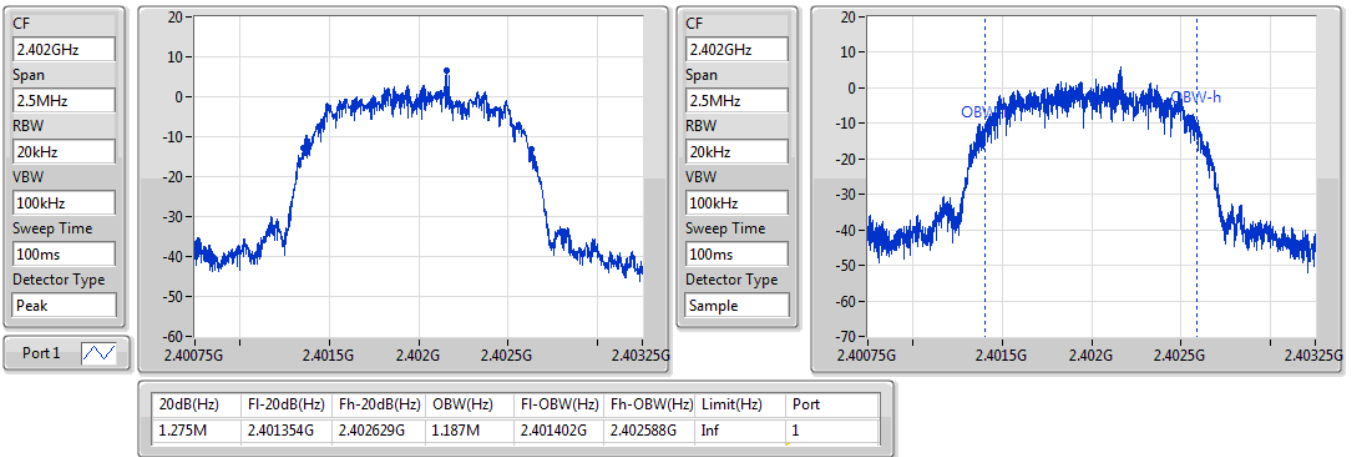

BT-EDR(2Mbps)
EBW-FS
2480MHz

04/02/2021

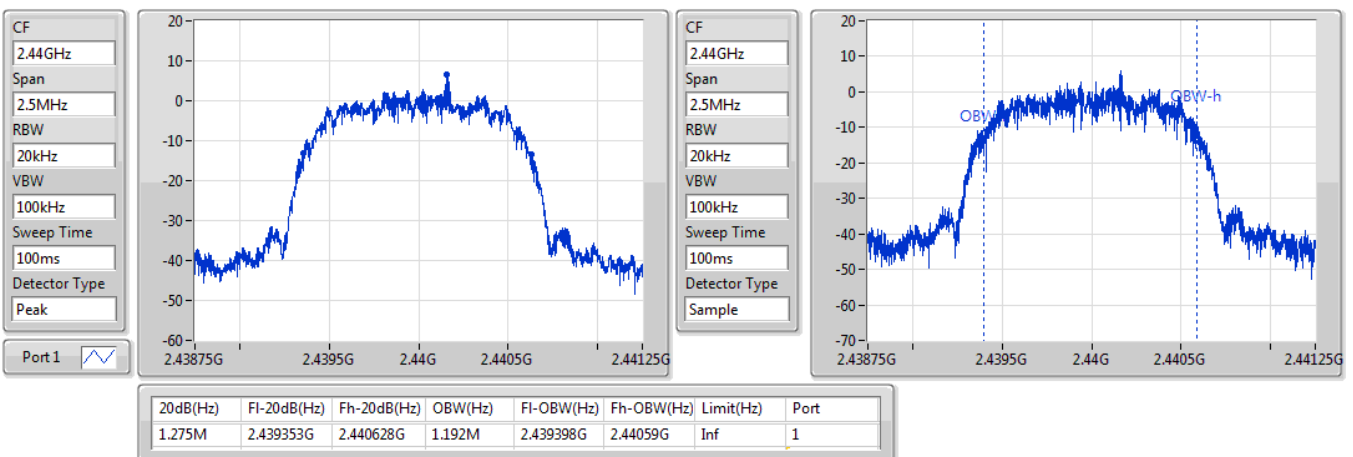


BT-EDR(3Mbps)
EBW-FS
2402MHz

04/02/2021

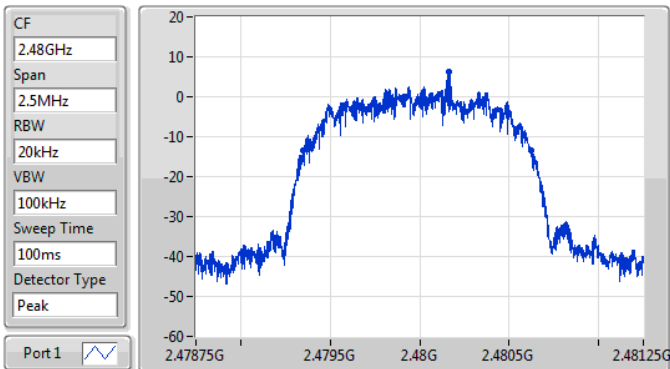

BT-EDR(3Mbps)
EBW-FS
2440MHz

04/02/2021



BT-EDR(3Mbps)

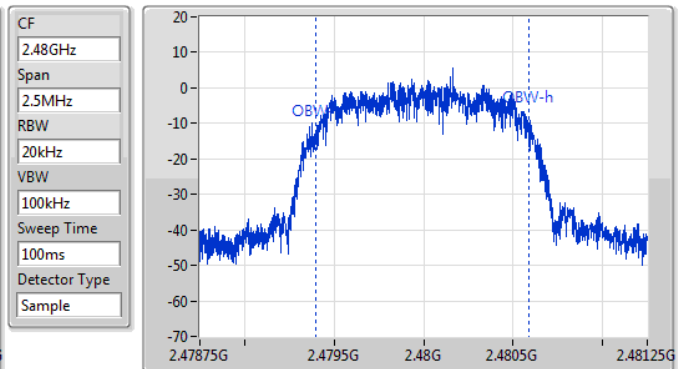
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.274M	2.479351G	2.480625G	1.189M	2.479399G	2.480588G	Inf	1

EBW-FS

04/02/2021





Summary

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

Result

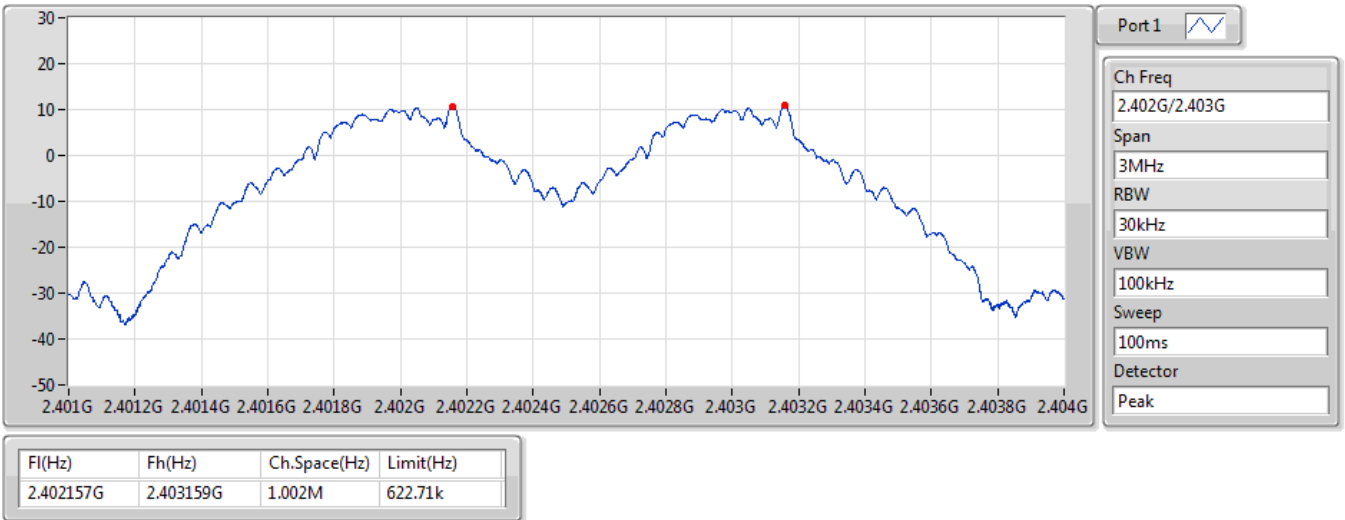
Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	2.402157G	2.403159G	1.002M	622.71k
2440MHz_TnomVnom-FHSS	Pass	2.440157G	2.441157G	1.0005M	622.71k
2480MHz_TnomVnom-FHSS	Pass	2.479158G	2.480157G	999k	622.71k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	2.402158G	2.403157G	999k	879.12k
2440MHz_TnomVnom-FHSS	Pass	2.44016G	2.441159G	999k	879.786k
2480MHz_TnomVnom-FHSS	Pass	2.479158G	2.480159G	1.0005M	879.786k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	2.402158G	2.403159G	1.0005M	849.15k
2440MHz_TnomVnom-FHSS	Pass	2.440158G	2.441159G	1.0005M	849.15k
2480MHz_TnomVnom-FHSS	Pass	2.479158G	2.48016G	1.002M	848.484k

BT-BR(1Mbps)

2.402G/2.403GHz

Channel Separation-FS

04/02/2021

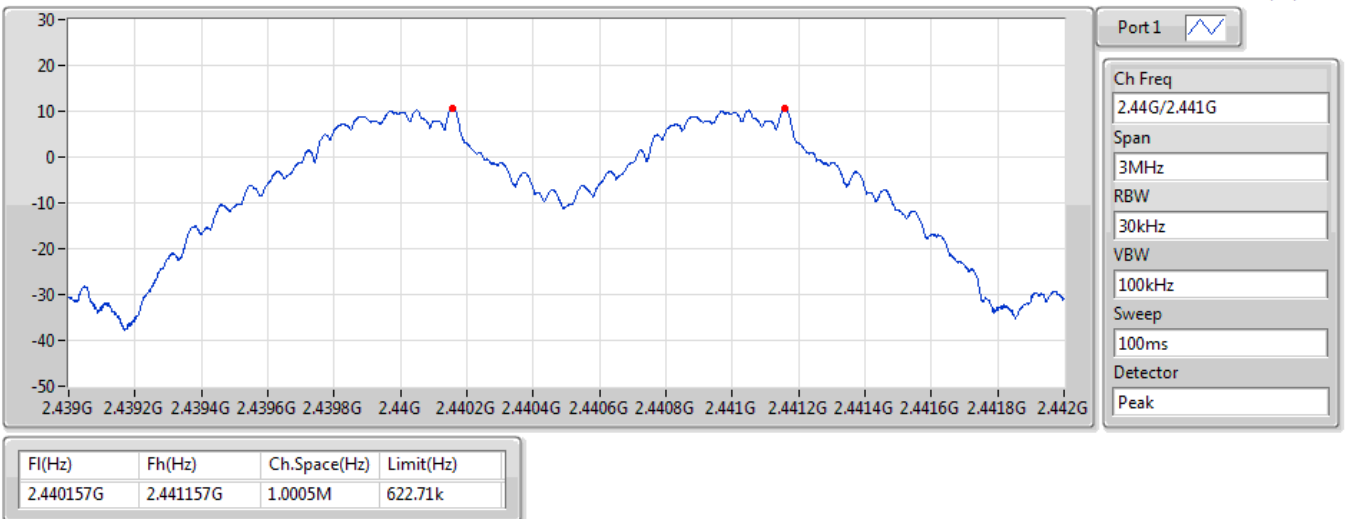


BT-BR(1Mbps)

2.44G/2.441GHz

Channel Separation-FS

04/02/2021

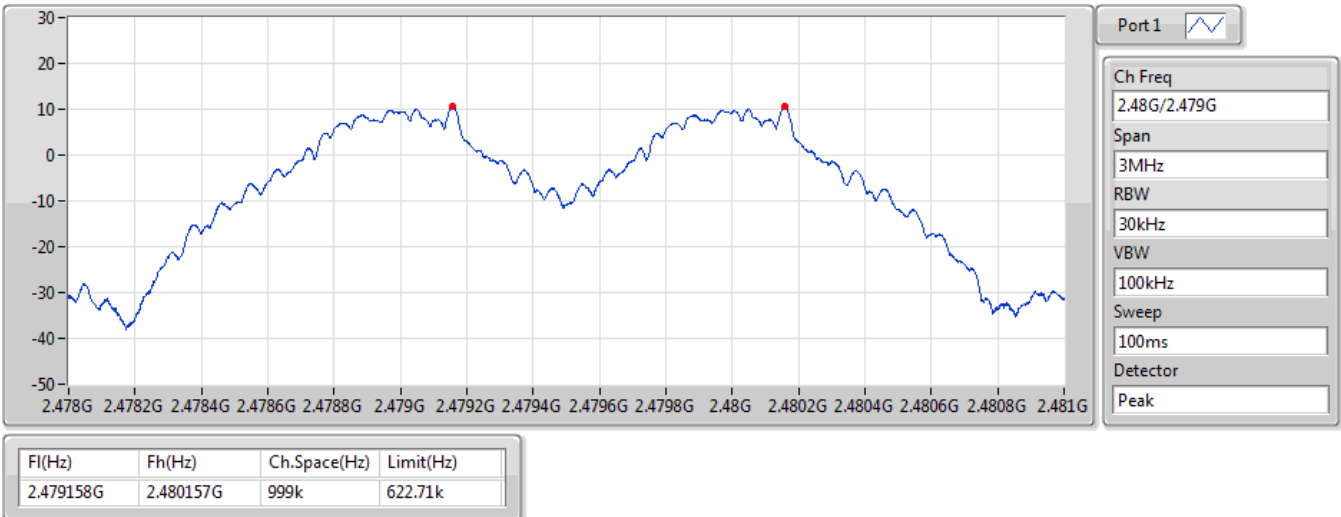


BT-BR(1Mbps)

2.48G/2.479GHz

Channel Separation-FS

04/02/2021

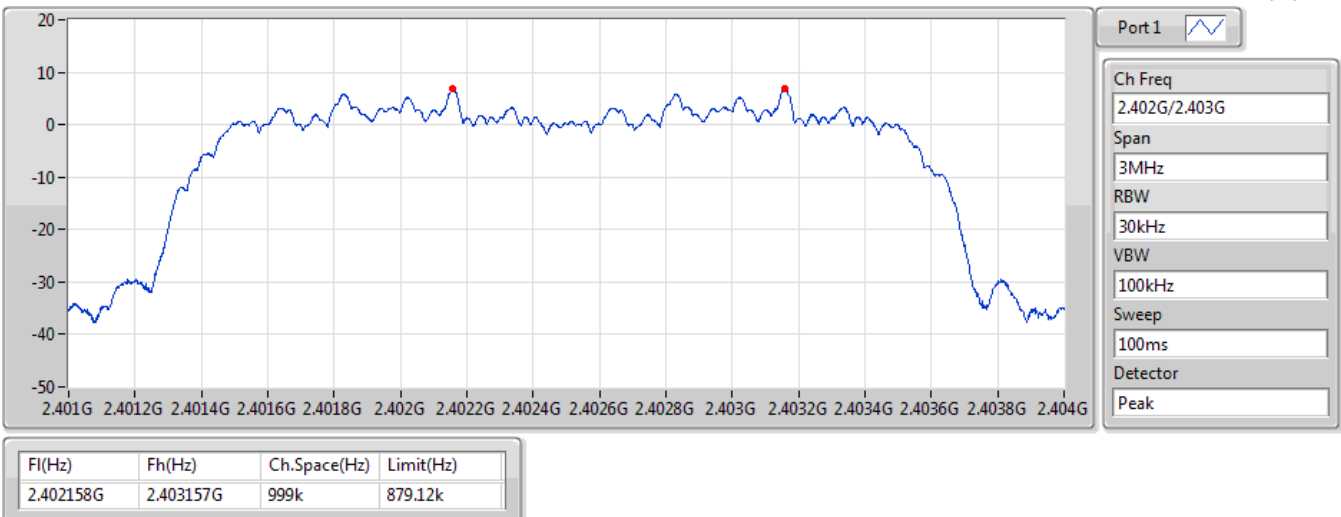


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation-FS

04/02/2021

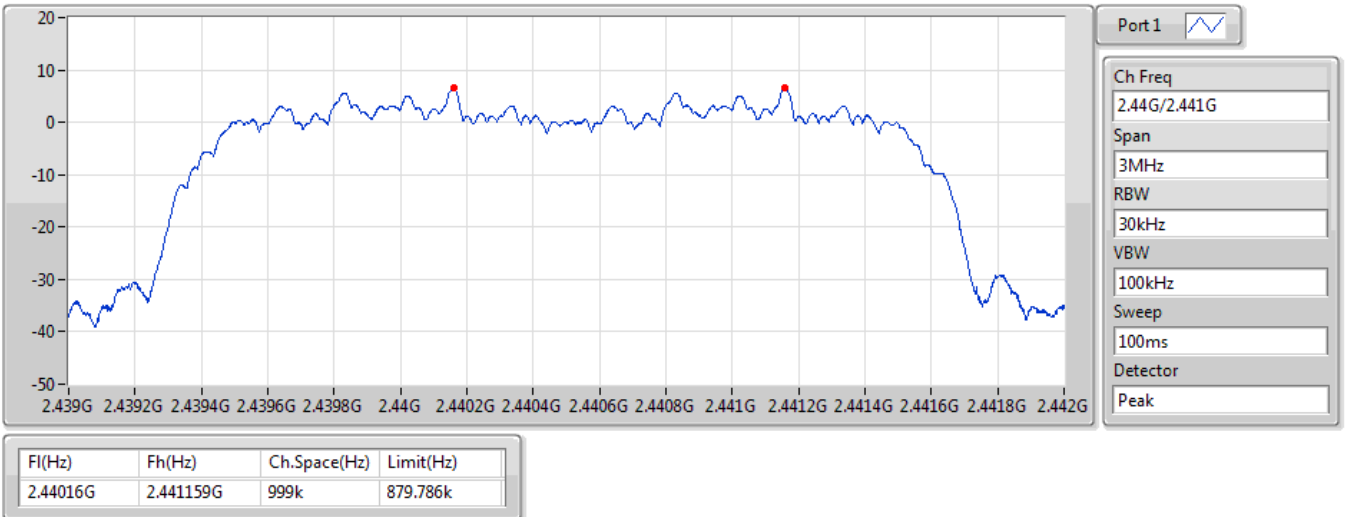


BT-EDR(2Mbps)

2.44G/2.441GHz

Channel Separation-FS

04/02/2021

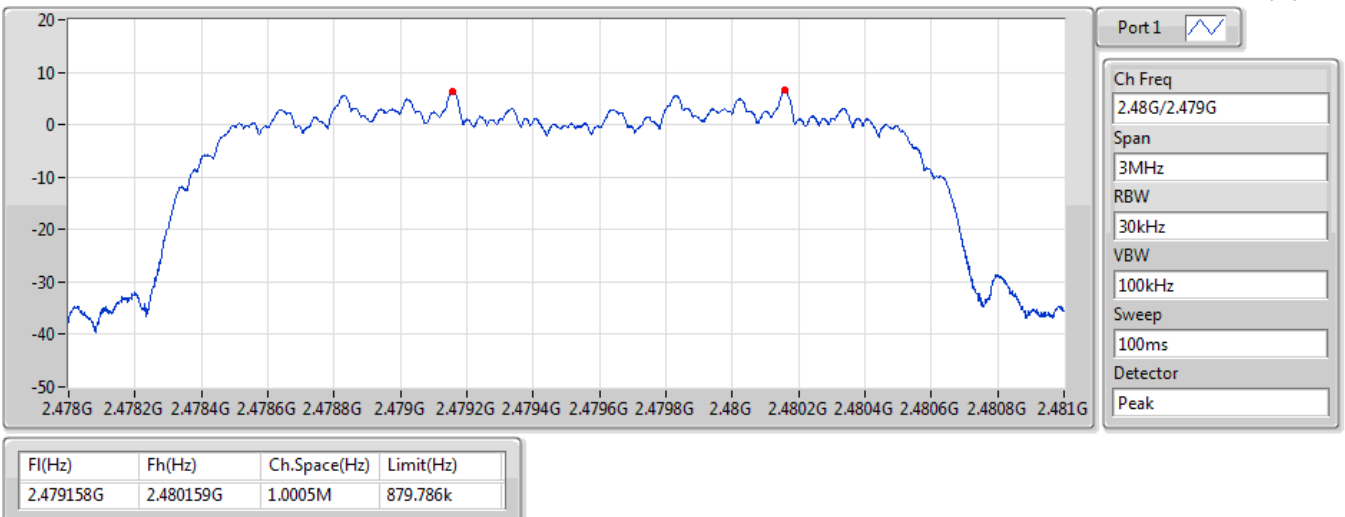


BT-EDR(2Mbps)

2.48G/2.479GHz

Channel Separation-FS

04/02/2021

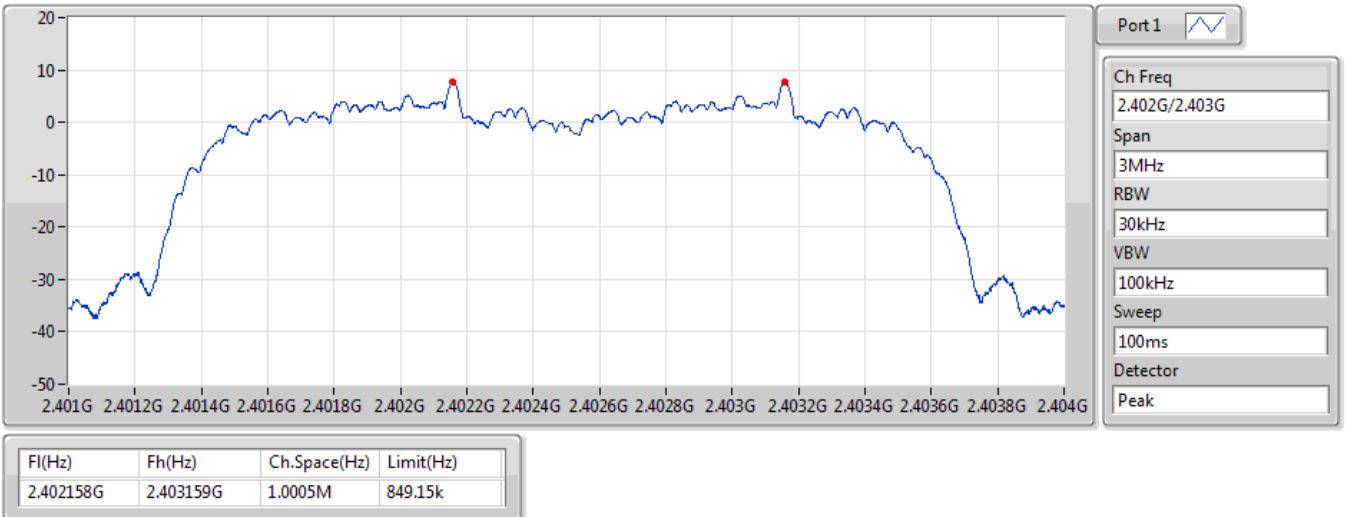


BT-EDR(3Mbps)

2.402G/2.403GHz

Channel Separation-FS

04/02/2021

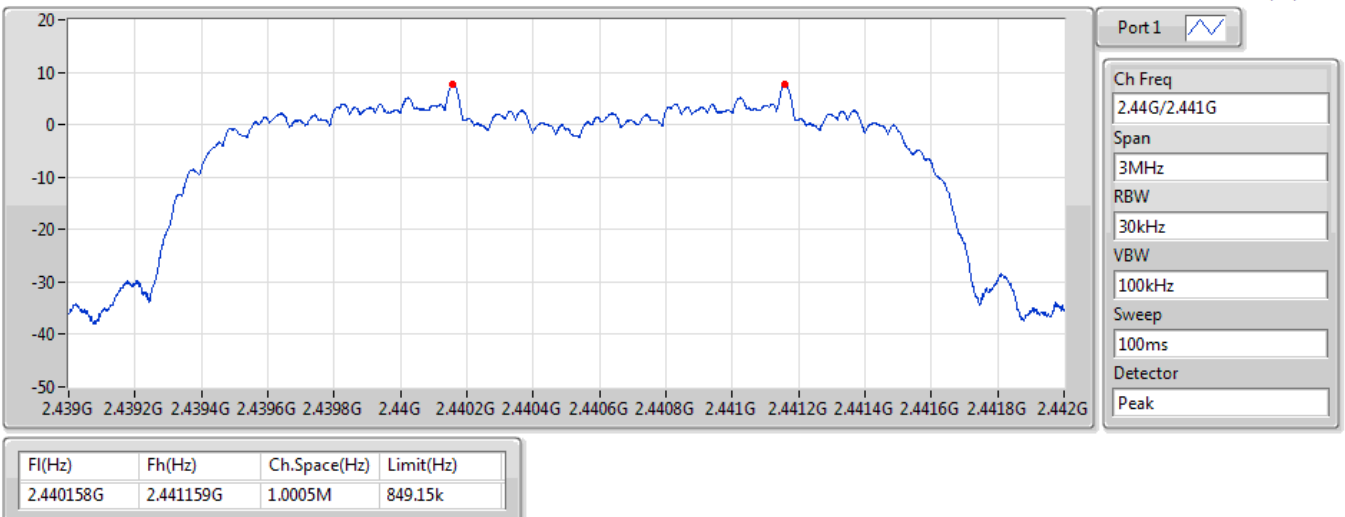


BT-EDR(3Mbps)

2.44G/2.441GHz

Channel Separation-FS

04/02/2021

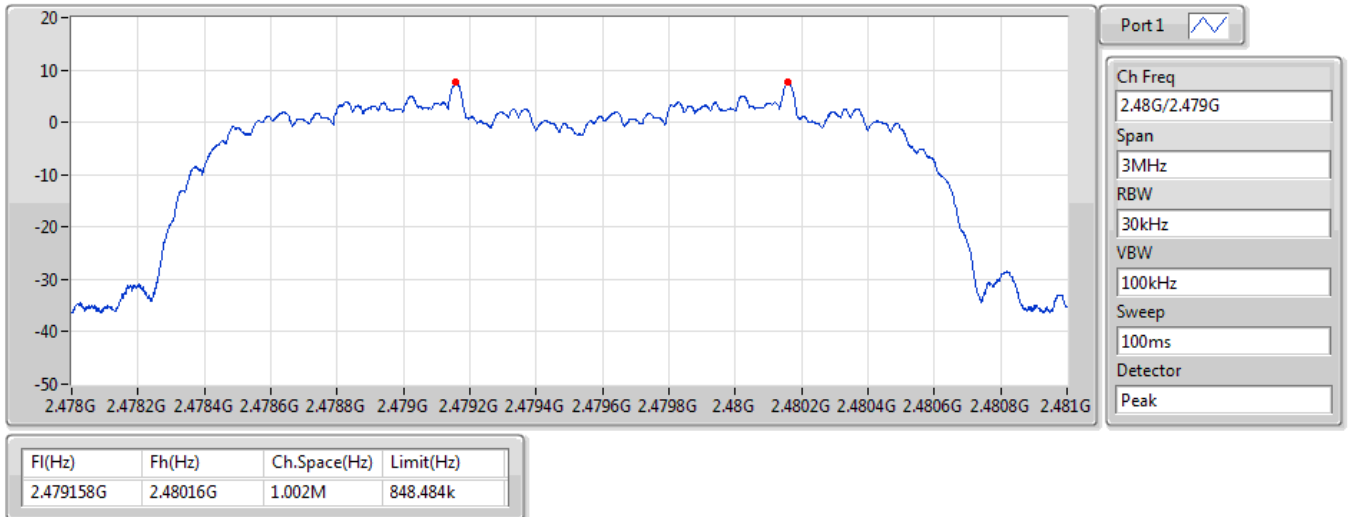


BT-EDR(3Mbps)

2.48G/2.479GHz

Channel Separation-FS

04/02/2021





Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	13.12	0.02051
BT-EDR(2Mbps)	12.92	0.01959
BT-EDR(3Mbps)	13.41	0.02193



Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	-0.30	13.12	21.00
2440MHz_TnomVnom-FHSS	Pass	-0.30	13.01	21.00
2480MHz_TnomVnom-FHSS	Pass	-0.30	12.92	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	-0.30	12.92	21.00
2440MHz_TnomVnom-FHSS	Pass	-0.30	12.77	21.00
2480MHz_TnomVnom-FHSS	Pass	-0.30	12.71	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	-0.30	13.41	21.00
2440MHz_TnomVnom-FHSS	Pass	-0.30	13.27	21.00
2480MHz_TnomVnom-FHSS	Pass	-0.30	13.17	21.00

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



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	13.02	0.02004
BT-EDR(2Mbps)	10.07	0.01016
BT-EDR(3Mbps)	10.06	0.01014

**Result**

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	-0.30	13.02	21.00
2440MHz_TnomVnom-FHSS	Pass	-0.30	12.90	21.00
2480MHz_TnomVnom-FHSS	Pass	-0.30	12.82	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	-0.30	10.07	21.00
2440MHz_TnomVnom-FHSS	Pass	-0.30	9.94	21.00
2480MHz_TnomVnom-FHSS	Pass	-0.30	9.90	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	-0.30	10.06	21.00
2440MHz_TnomVnom-FHSS	Pass	-0.30	9.95	21.00
2480MHz_TnomVnom-FHSS	Pass	-0.30	9.92	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

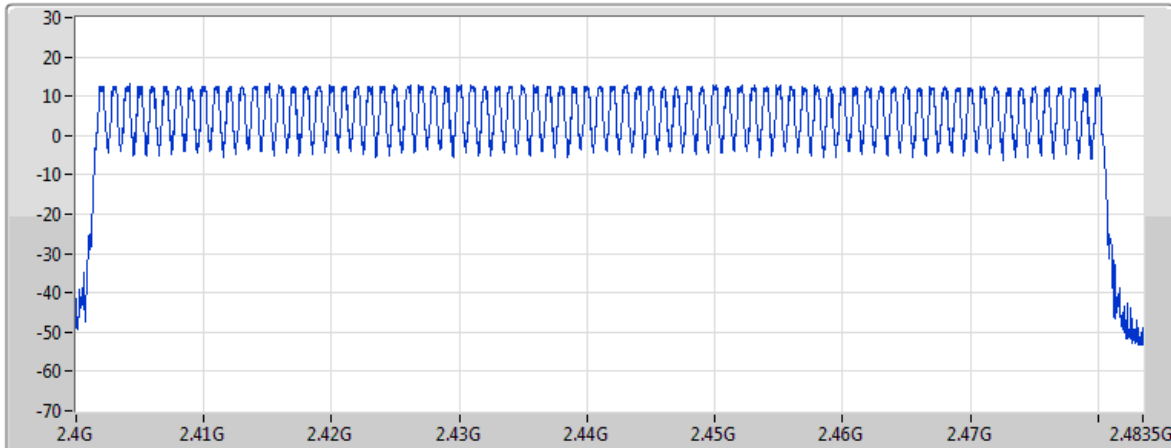
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz_TnomVnom-FHSS	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz_TnomVnom-FHSS	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz_TnomVnom-FHSS	Pass	79	15

BT-BR(1Mbps)

2440MHz

Hopping-FS

04/02/2021



Port 1

Hopping No

79

Span

83.5MHz

RBW

100kHz

VBW

300kHz

Sweep

200ms

Detector

Peak

Hopping No

79

Limit

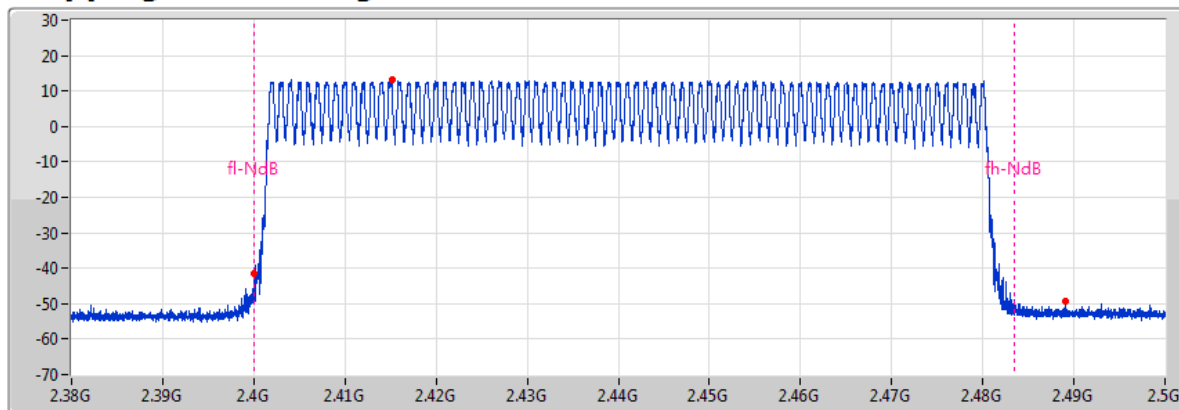
15

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

04/02/2021



Port 1

Span

120MHz

RBW

100kHz

VBW

300kHz

Sweep

200ms

Detector

Peak

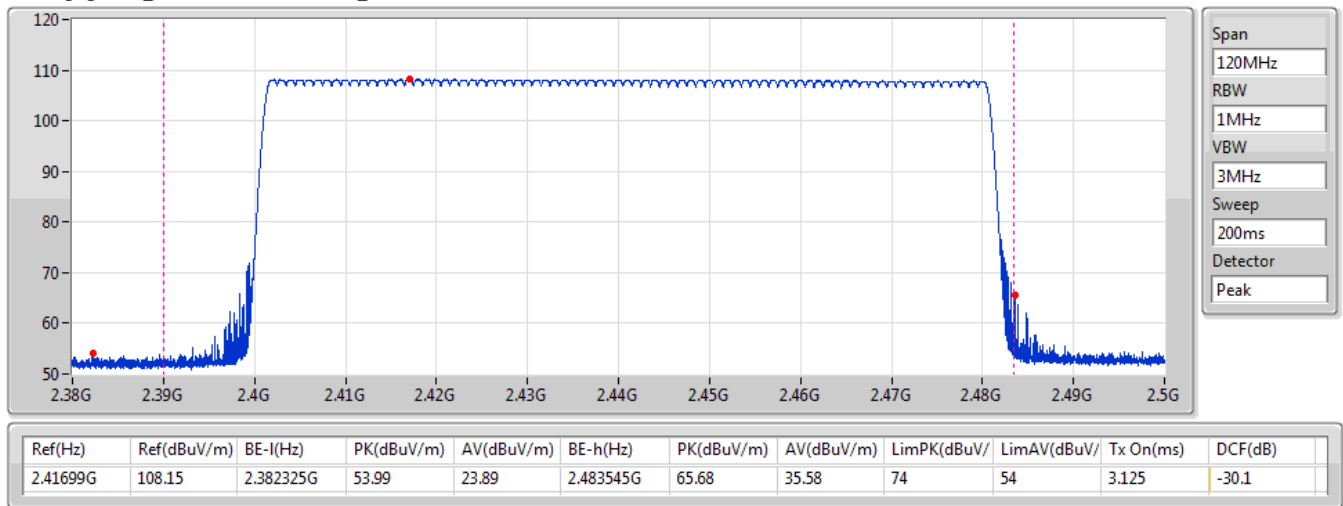
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-6.94	2.415145G	13.06	2.39998G	-41.32	2.489125G	-49.4

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

04/02/2021

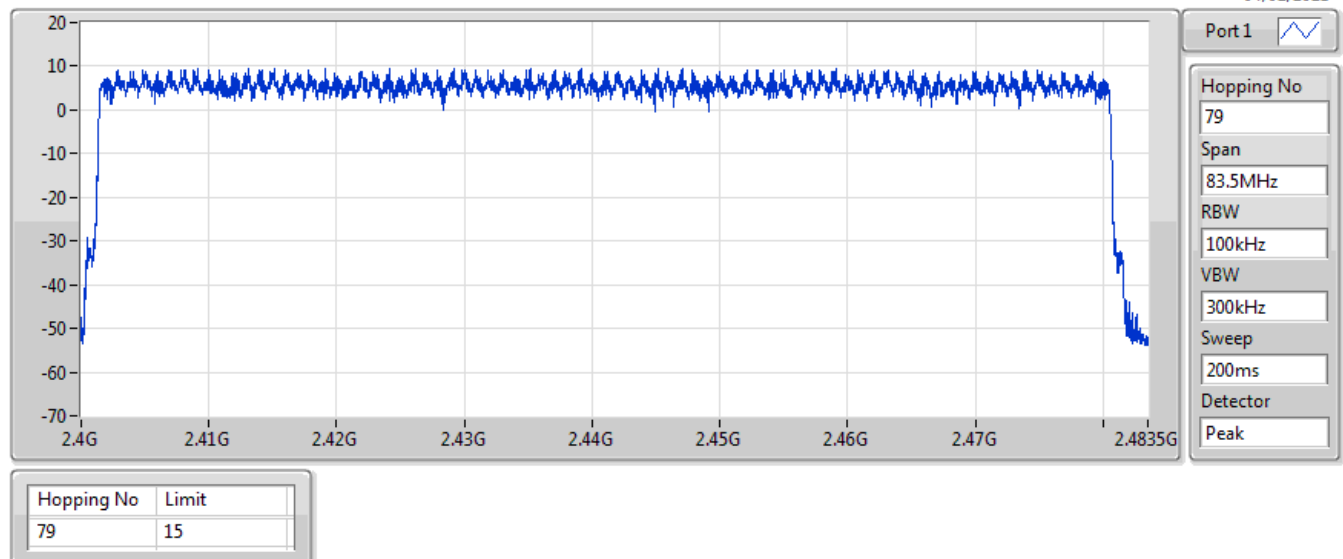


BT-EDR(2Mbps)

2440MHz

Hopping-FS

04/02/2021

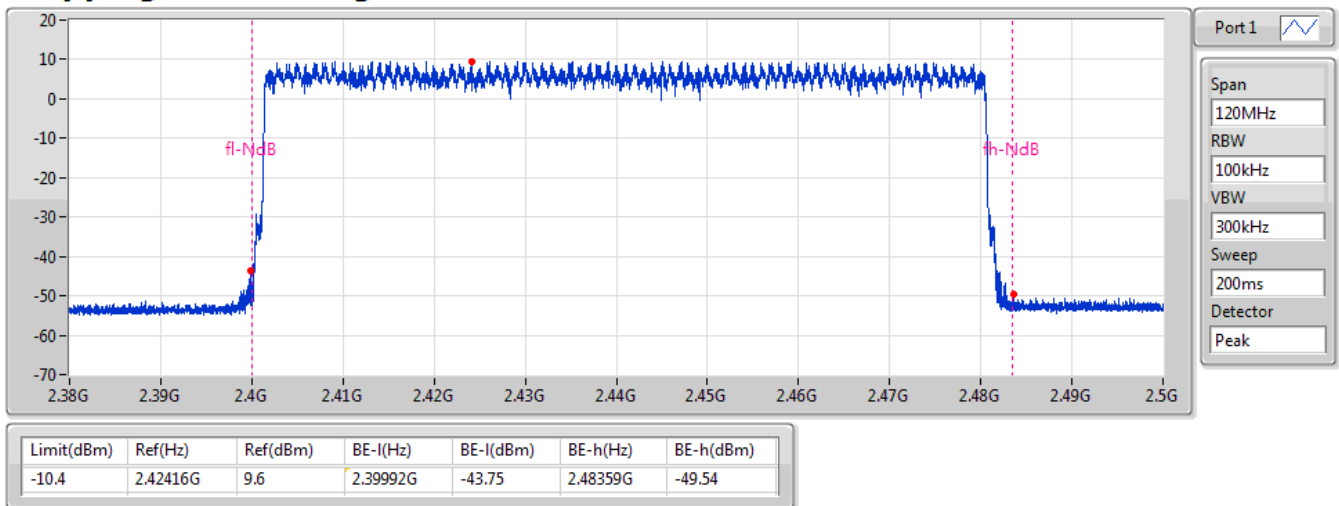


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

04/02/2021

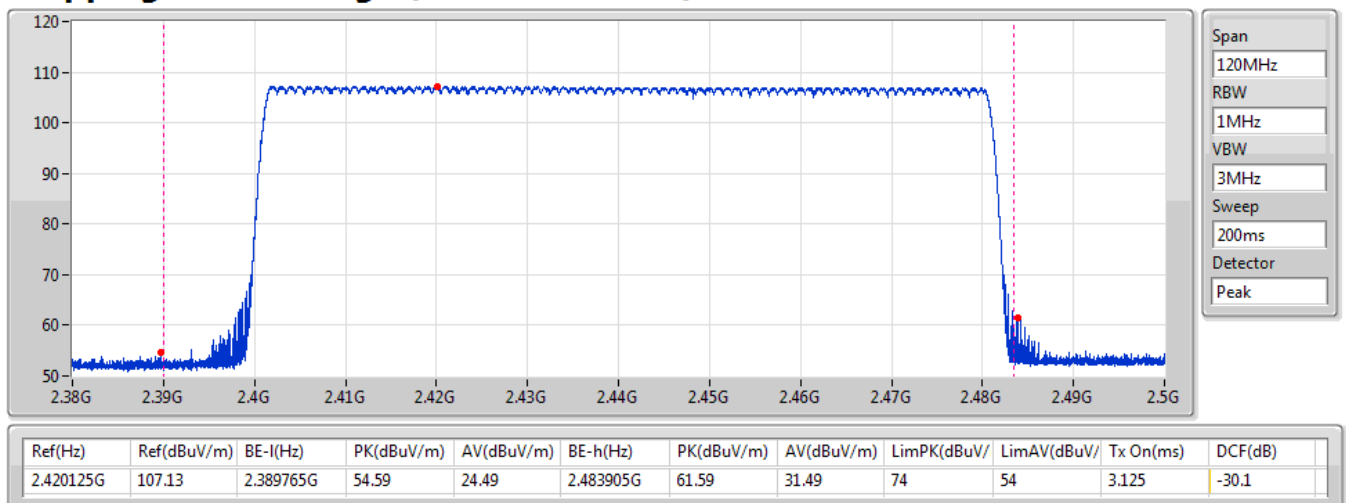


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

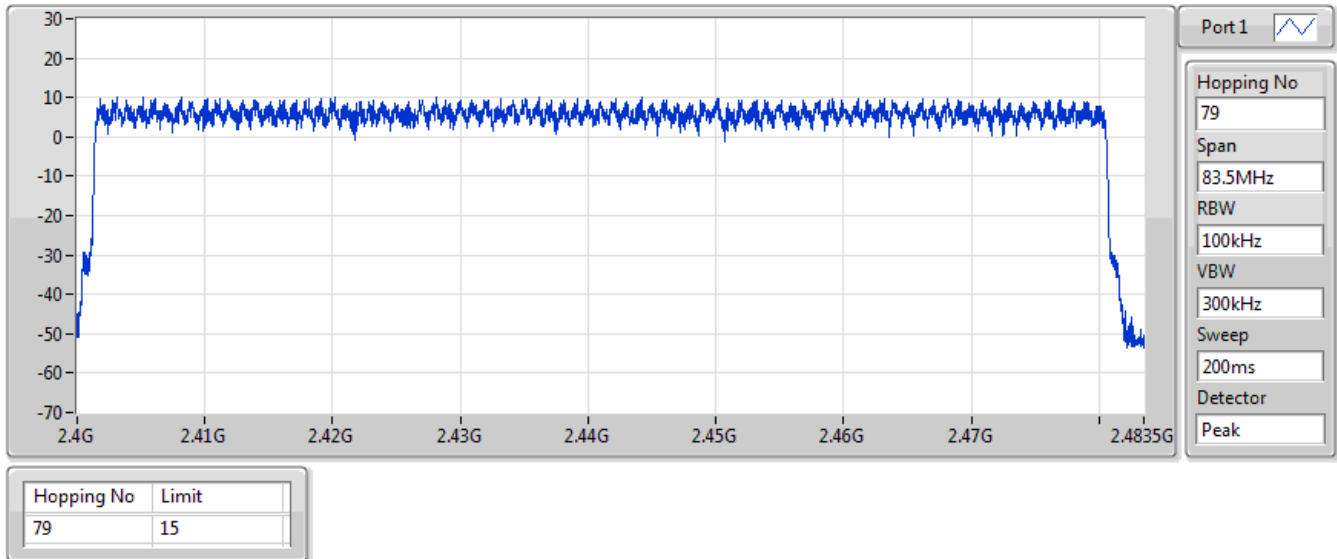
04/02/2021



BT-EDR(3Mbps) 2440MHz

Hopping-FS

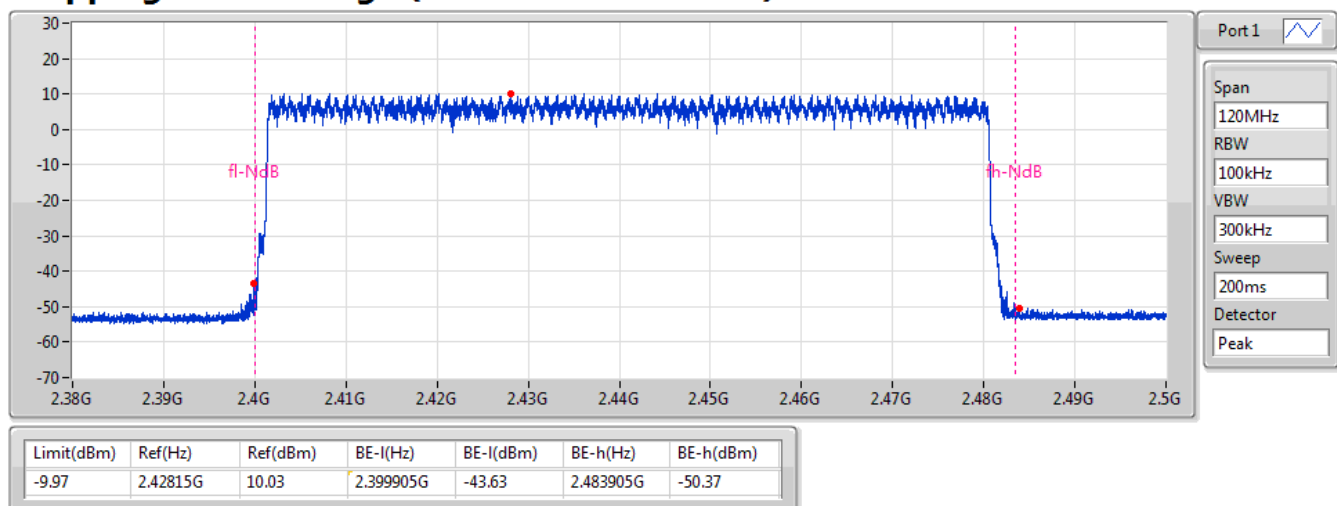
04/02/2021



BT-EDR(3Mbps) 2440MHz

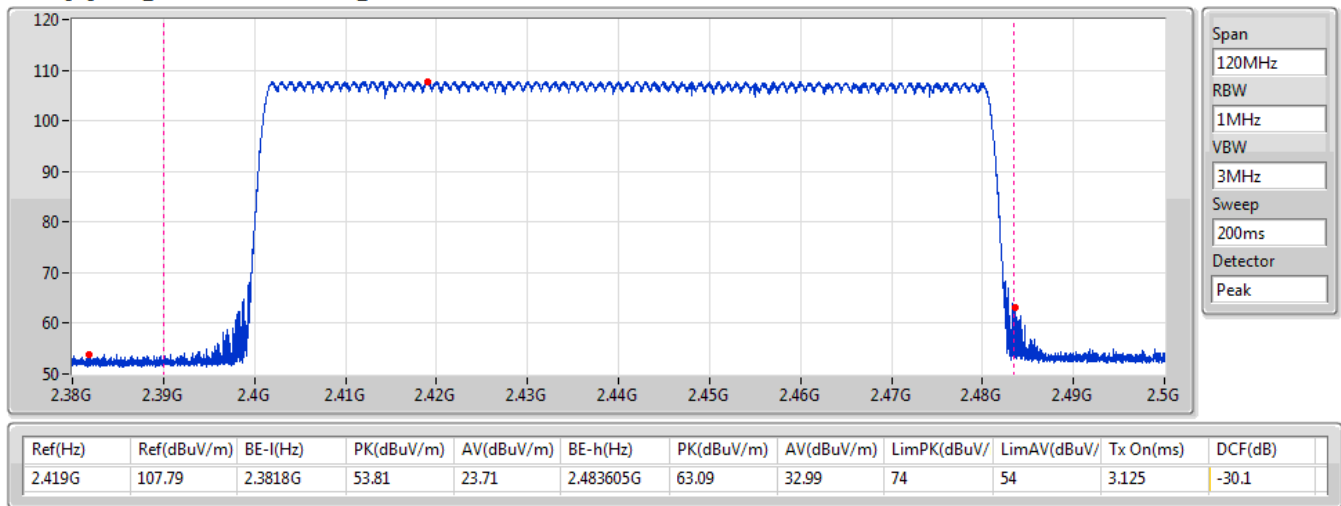
Hopping Ch Bandedge (Non-restricted Band)

04/02/2021



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

04/02/2021





Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	309.2999m_DH5
BT-EDR(2Mbps)	164.3772m_DH5
BT-EDR(3Mbps)	115.6077m_DH5

Result

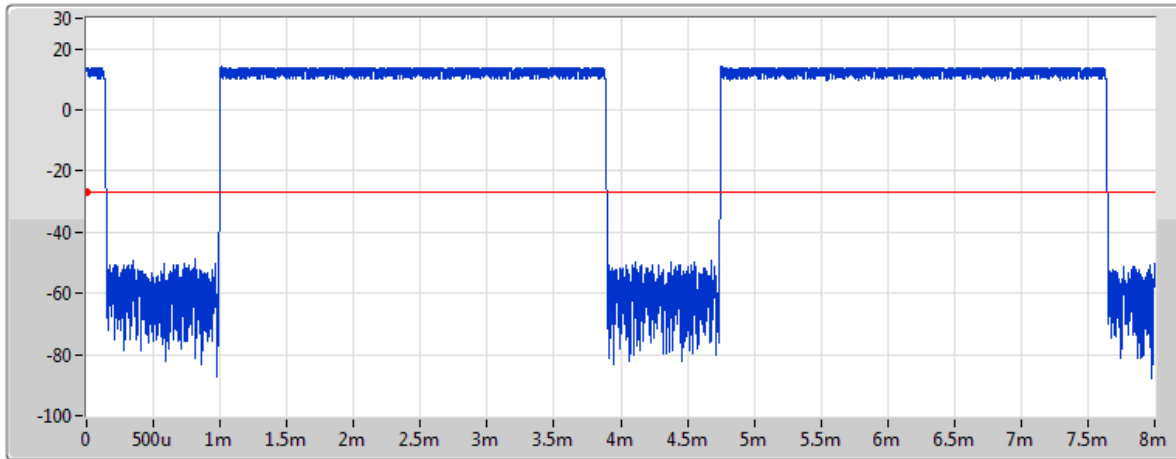
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz_TnomVnom-FHSS	Pass	31.6	309.2999m_DH5	400m	2.9015m
2440MHz_TnomVnom-FHSS	Pass	8	154.609975m_DH5-AFH	400m	2.90075m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz_TnomVnom-FHSS	Pass	31.6	164.3772m_DH5	400m	1.542m
2440MHz_TnomVnom-FHSS	Pass	8	82.228575m_DH5-AFH	400m	1.54275m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz_TnomVnom-FHSS	Pass	31.6	115.6077m_DH5	400m	1.0845m
2440MHz_TnomVnom-FHSS	Pass	8	57.8305m_DH5-AFH	400m	1.085m

BT-BR(1Mbps)

Dwell-FS

2440MHz

04/02/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.9015ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.2999m_DH5	400m	2.9015m

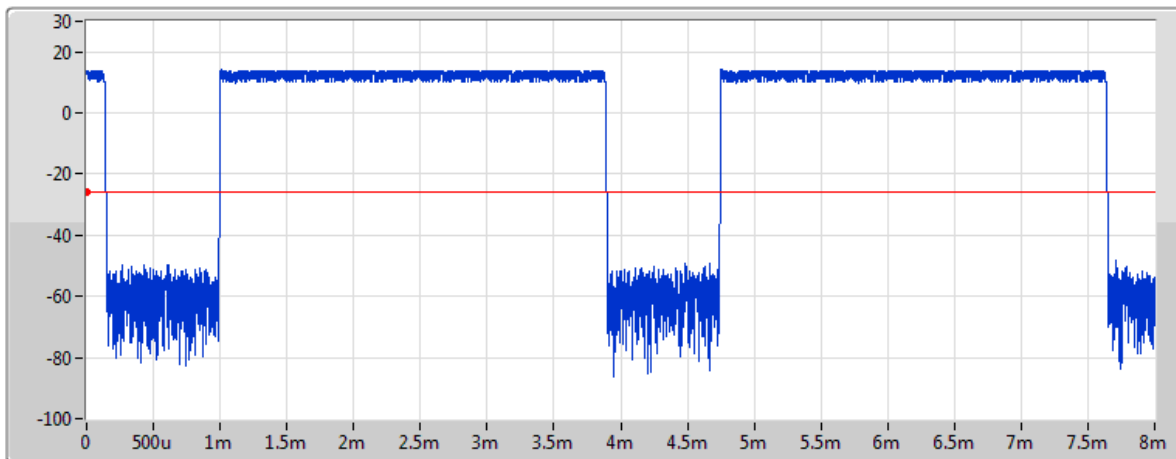
DH5

BT-BR(1Mbps)

Dwell-FS

2440MHz

04/02/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.90075ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	154.609975m_DH5-AFI	400m	2.90075m

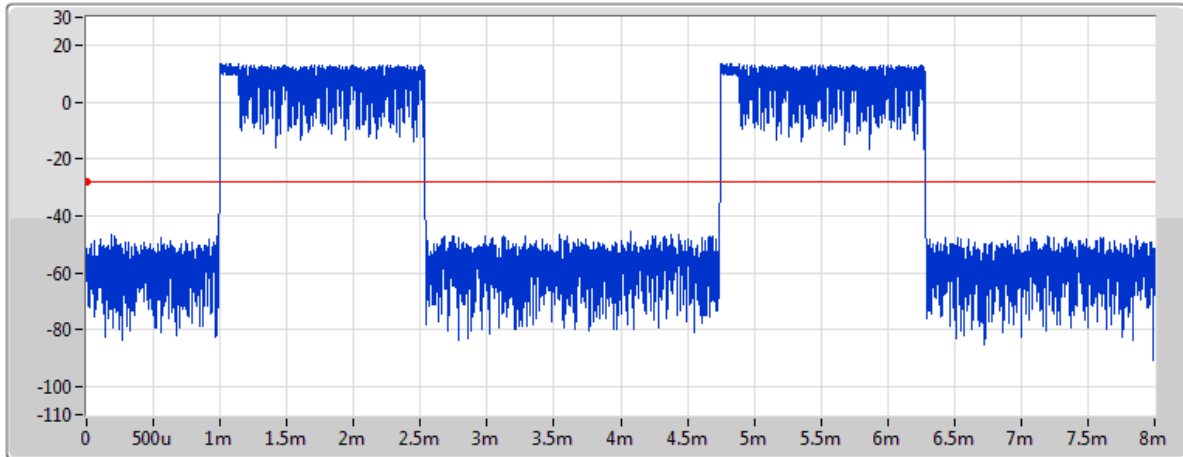
DH5-AFH

BT-EDR(2Mbps)

2440MHz

Dwell-FS

04/02/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
1.542ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	164.3772m_DH5	400m	1.542m

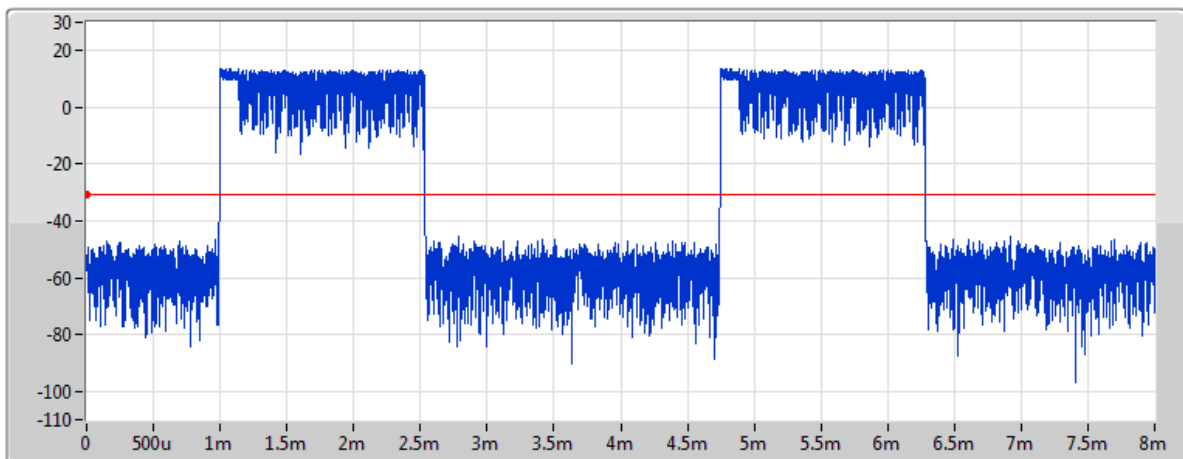
DH5

BT-EDR(2Mbps)

2440MHz

Dwell-FS

04/02/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
1.54275ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	82.228575m_DH5-AFH	400m	1.54275m

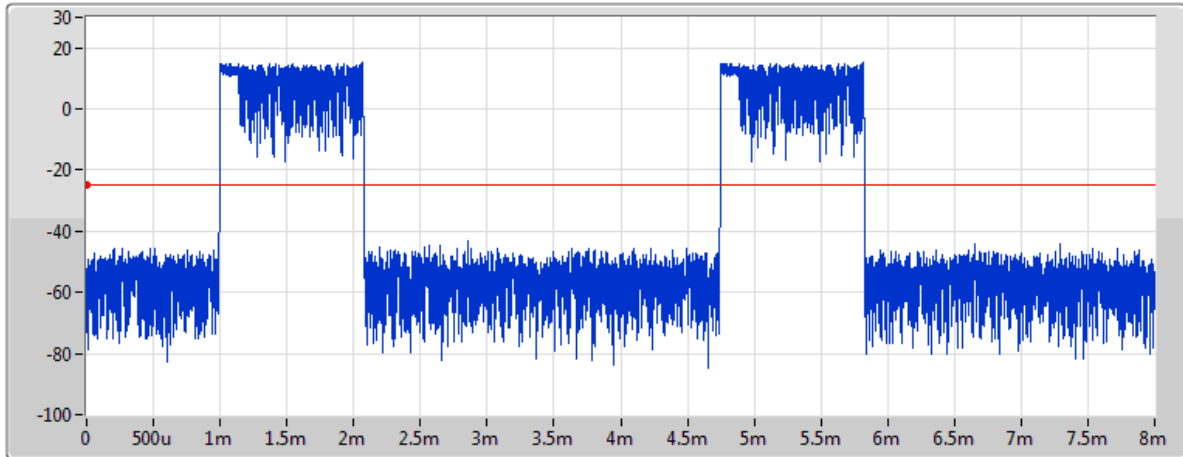
DH5-AFH

BT-EDR(3Mbps)

2440MHz

Dwell-FS

04/02/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
1.0845ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	115.6077m_DH5	400m	1.0845m

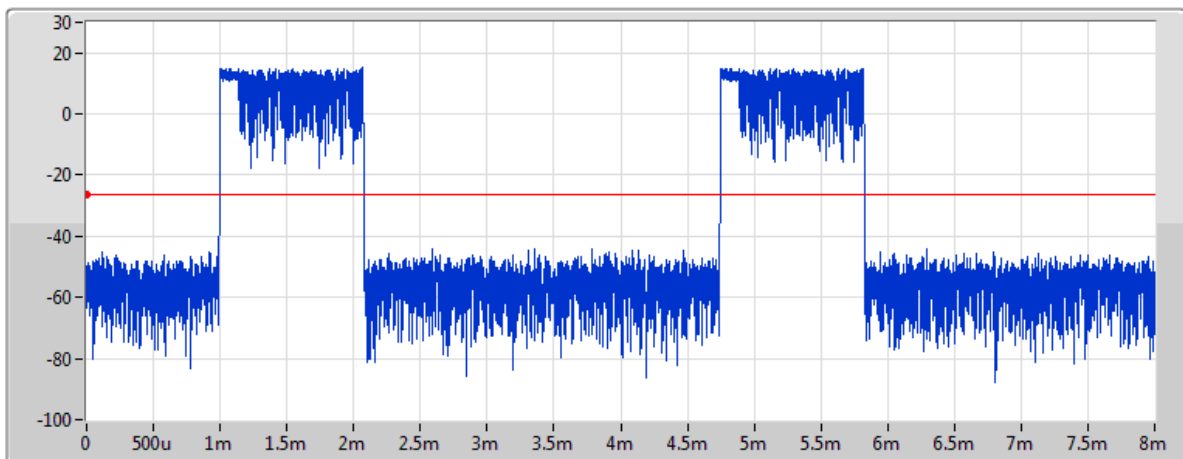
DH5

BT-EDR(3Mbps)

2440MHz

Dwell-FS

04/02/2021



Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
1.085ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
8	57.8305m_DH5-AFH	400m	1.085m

DH5-AFH

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.40205G	12.39	-7.61	2.14383G	-53.13	2.39998G	-40.97	2.4G	-40.32	2.4855G	-51.20	23.19466G	-39.45	1
BT-EDR(2Mbps)	Pass	2.4018G	9.56	-10.44	2.13619G	-53.74	2.39991G	-43.36	2.4G	-50.07	2.50082G	-51.52	23.21996G	-39.24	1
BT-EDR(3Mbps)	Pass	2.40213G	10.02	-9.98	2.1544G	-53.64	2.39982G	-43.51	2.4G	-46.85	2.4998G	-51.44	24.9297G	-38.84	1

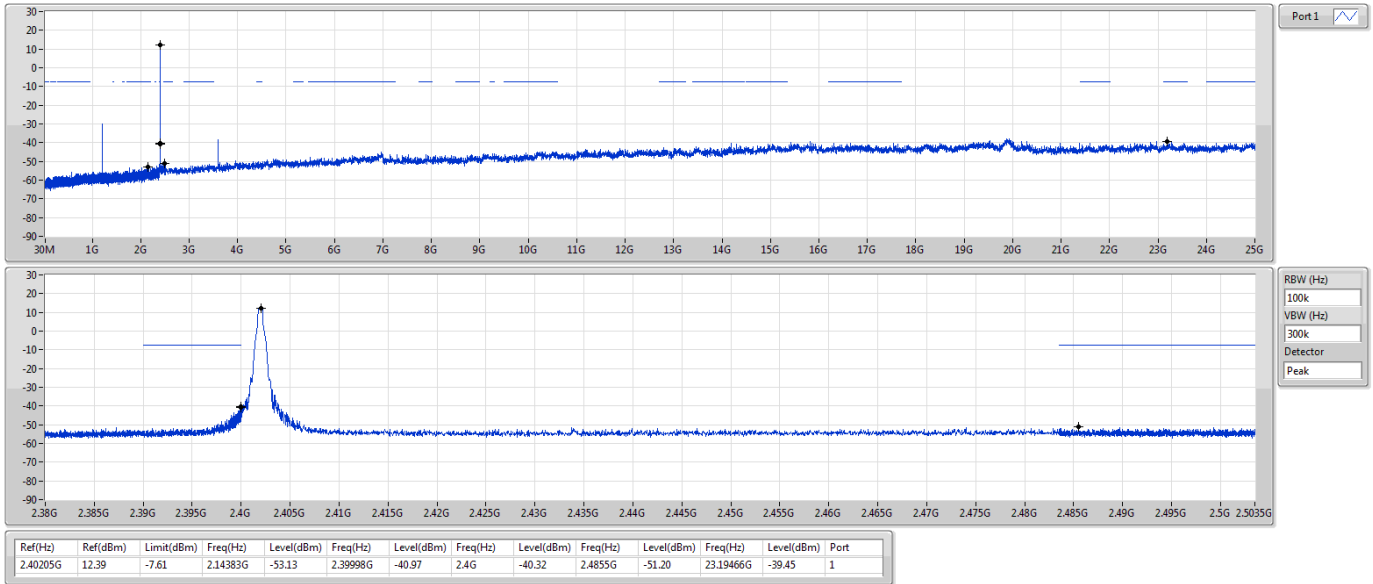
Result

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_TnomVnom-FHSS	Pass	2.40205G	12.39	-7.61	2.14383G	-53.13	2.39998G	-40.97	2.4G	-40.32	2.4855G	-51.20	23.19466G	-39.45	1
2440MHz_TnomVnom-FHSS	Pass	2.43983G	12.40	-7.60	2.13031G	-53.37	2.39219G	-52.36	2.4835G	-53.96	2.50294G	-51.27	24.84815G	-39.71	1
2480MHz_TnomVnom-FHSS	Pass	2.4802G	12.74	-7.26	2.10358G	-53.19	2.3915G	-52.37	2.4835G	-49.37	2.48358G	-47.56	15.19996G	-38.89	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	2.4018G	9.56	-10.44	2.13619G	-53.74	2.39991G	-43.36	2.4G	-50.07	2.50082G	-51.52	23.21996G	-39.24	1
2440MHz_TnomVnom-FHSS	Pass	2.44016G	9.72	-10.28	2.12209G	-53.51	2.3934G	-52.05	2.4835G	-53.47	2.49473G	-51.61	15.05373G	-38.98	1
2480MHz_TnomVnom-FHSS	Pass	2.47999G	9.21	-10.79	2.30451G	-53.64	2.39709G	-52.47	2.4835G	-49.79	2.48625G	-50.68	23.34088G	-39.61	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom-FHSS	Pass	2.40213G	10.02	-9.98	2.1544G	-53.64	2.39982G	-43.51	2.4G	-46.85	2.4998G	-51.44	24.9297G	-38.84	1
2440MHz_TnomVnom-FHSS	Pass	2.44016G	9.69	-10.31	2.02251G	-53.74	2.39426G	-52.29	2.4835G	-53.93	2.48474G	-51.83	24.91564G	-39.49	1
2480MHz_TnomVnom-FHSS	Pass	2.4802G	9.20	-10.80	2.13913G	-52.09	2.39659G	-52.22	2.4835G	-49.40	2.48434G	-50.50	24.84252G	-39.65	1

BT-BR(1Mbps)

CSENdB-FS

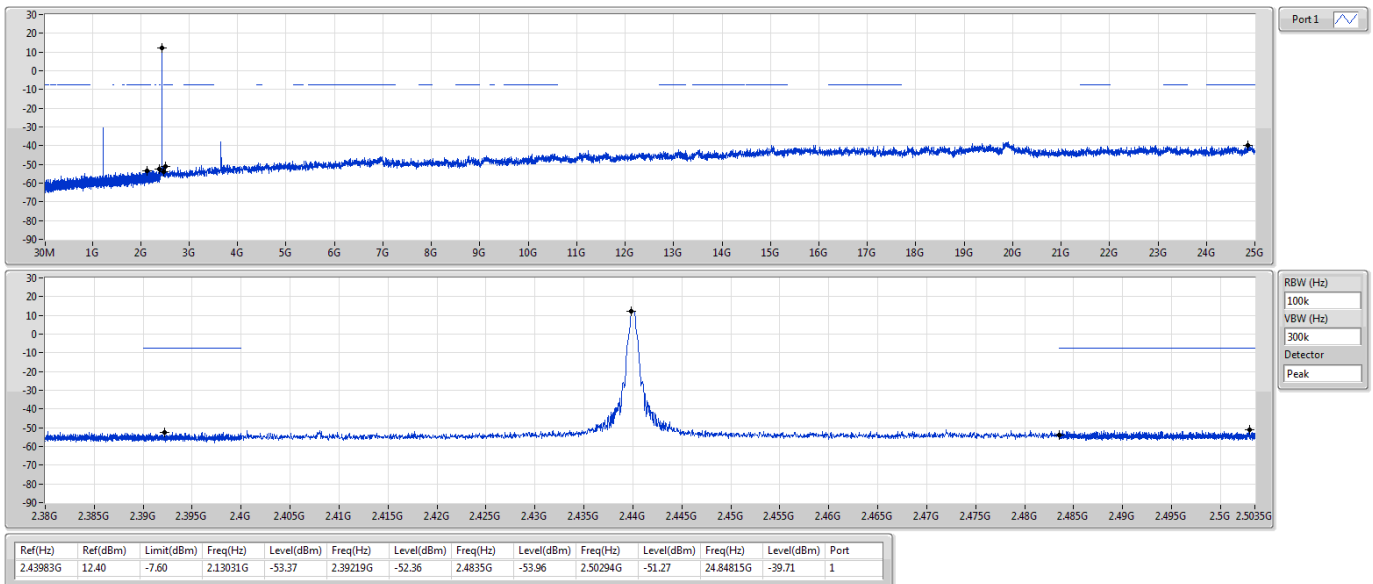
2402MHz



BT-BR(1Mbps)

CSENdB-FS

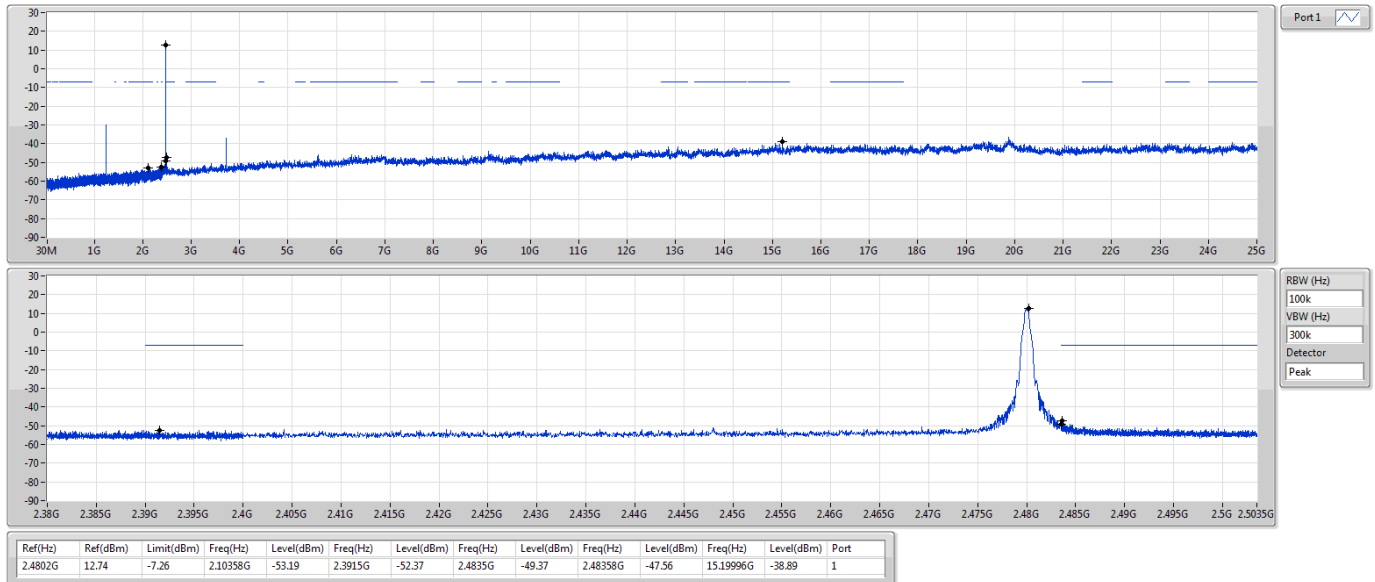
2440MHz



BT-BR(1Mbps)

CSEndB-FS

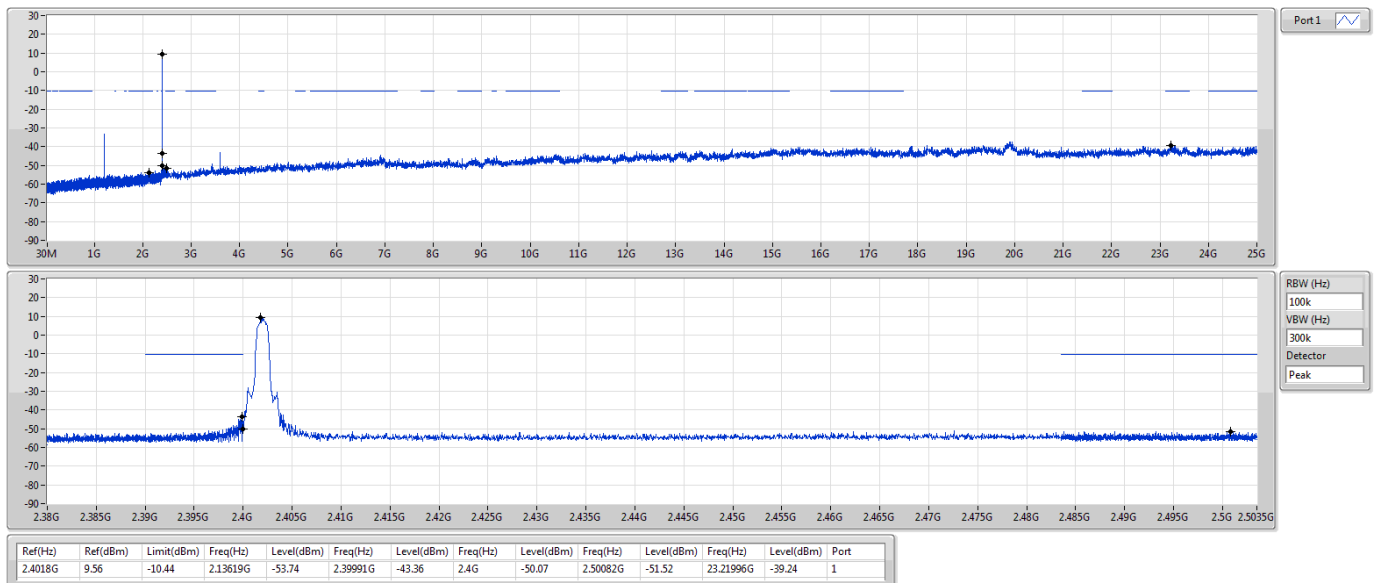
2480MHz



BT-EDR(2Mbps)

CSEndB-FS

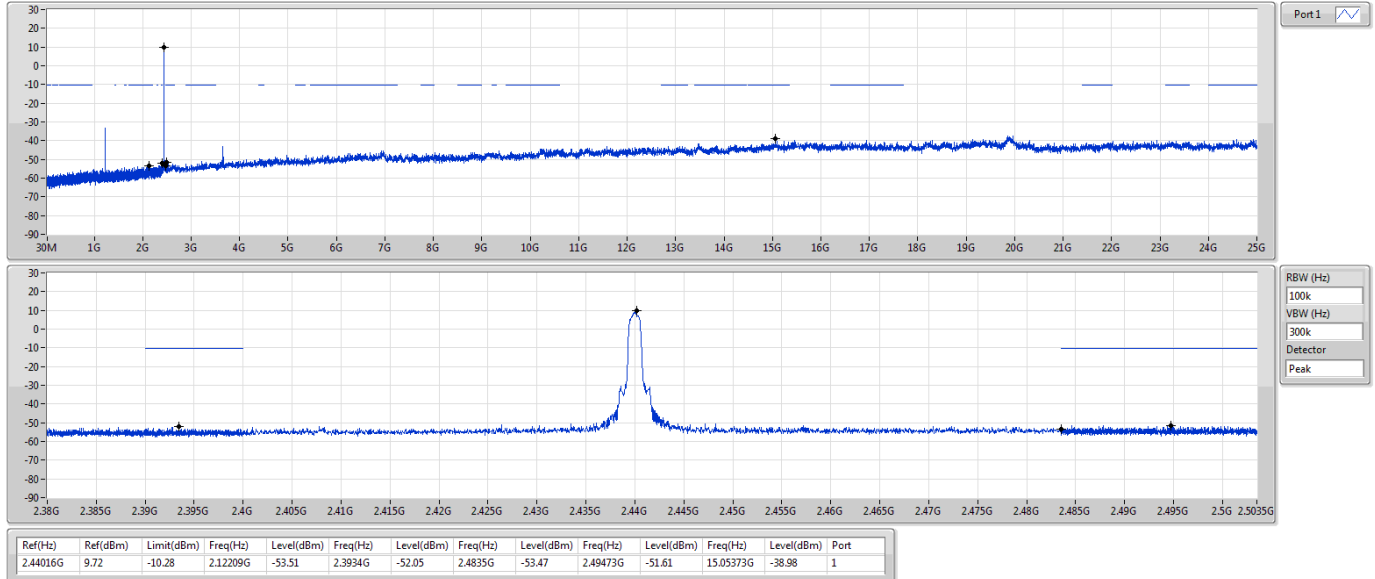
2402MHz



BT-EDR(2Mbps)

CSEndB-FS

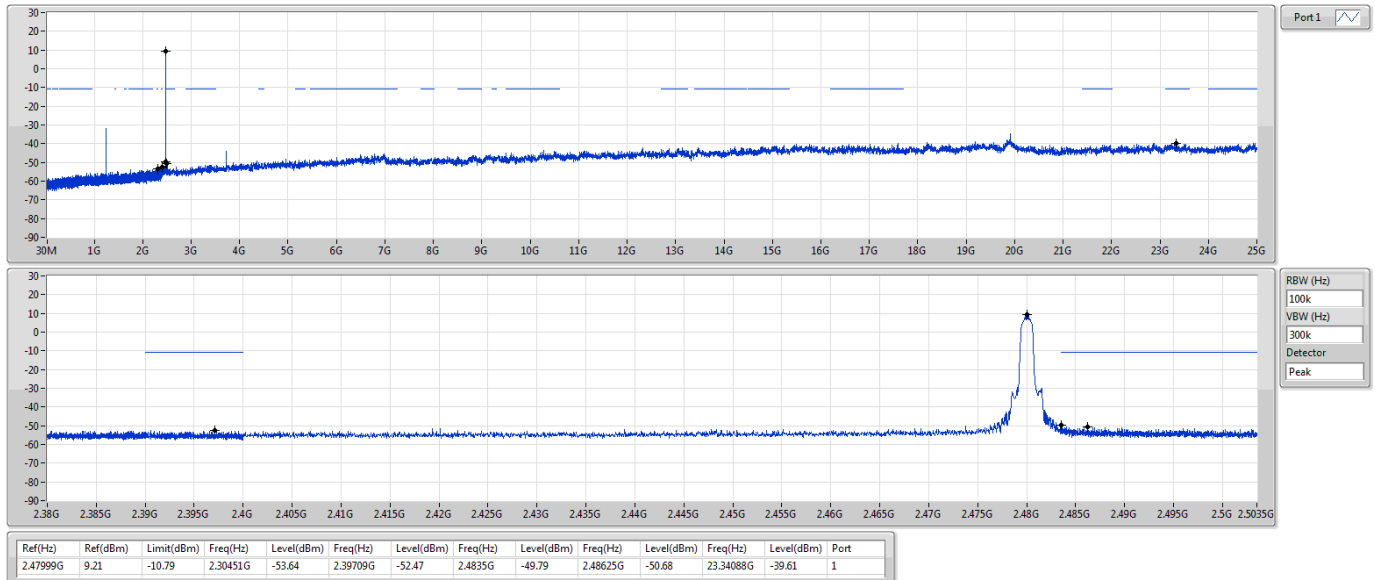
2440MHz



BT-EDR(2Mbps)

CSEndB-FS

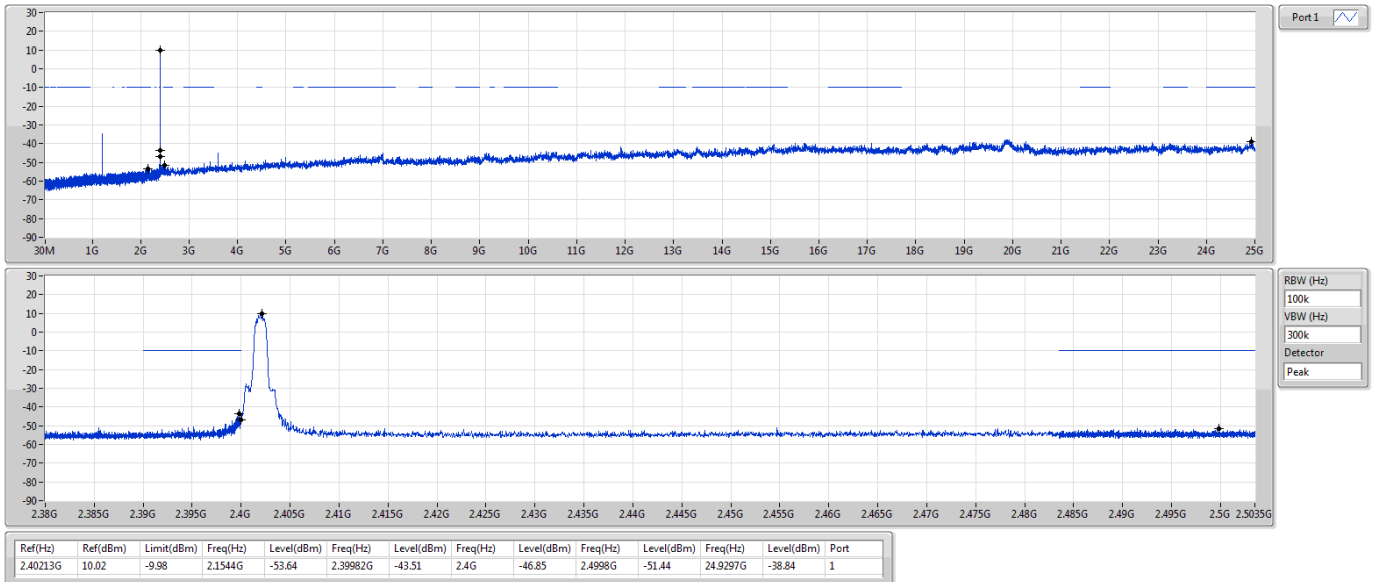
2480MHz



BT-EDR(3Mbps)

CSEndB-FS

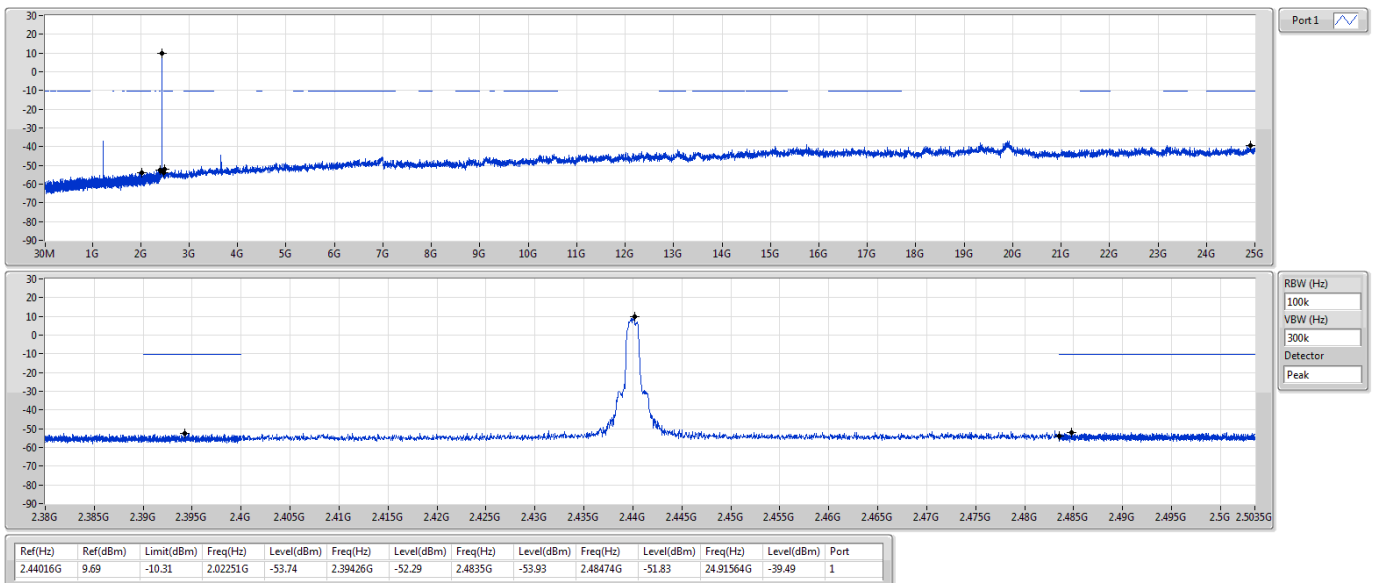
2402MHz



BT-EDR(3Mbps)

CSEndB-FS

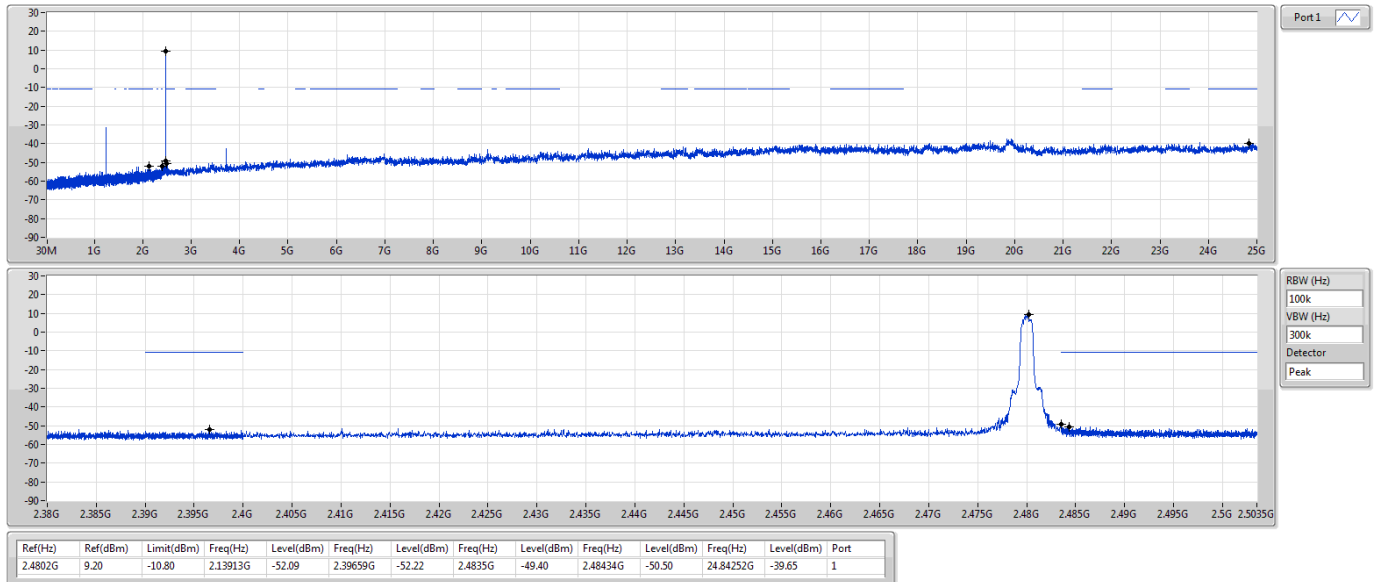
2440MHz



BT-EDR(3Mbps)

CSEndB-FS

2480MHz





Summary

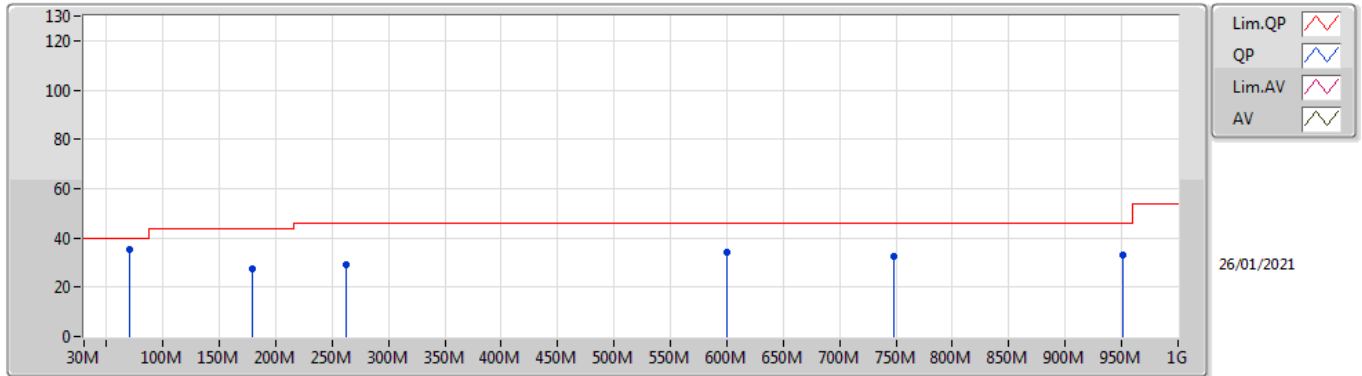
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	70.74M	35.52	40.00	-4.48	3	Vertical	360	1.00	-

**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	70.74M	35.52	40.00	-4.48	3	Vertical	360	1.00	-
2440MHz	Pass	PK	179.38M	27.33	43.50	-16.17	3	Vertical	360	1.00	-
2440MHz	Pass	PK	262.8M	28.89	46.00	-17.11	3	Vertical	360	1.00	-
2440MHz	Pass	PK	600.36M	34.34	46.00	-11.66	3	Vertical	360	1.00	-
2440MHz	Pass	PK	747.8M	32.71	46.00	-13.29	3	Vertical	360	1.00	-
2440MHz	Pass	PK	951.5M	33.09	46.00	-12.91	3	Vertical	360	1.00	-
2440MHz	Pass	PK	31.94M	25.05	40.00	-14.95	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	183.26M	24.15	43.50	-19.35	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	299.66M	29.16	46.00	-16.84	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	390.84M	33.02	46.00	-12.98	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	623.64M	34.73	46.00	-11.27	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	951.5M	32.71	46.00	-13.29	3	Horizontal	0	1.00	-

BT-BR(1Mbps)

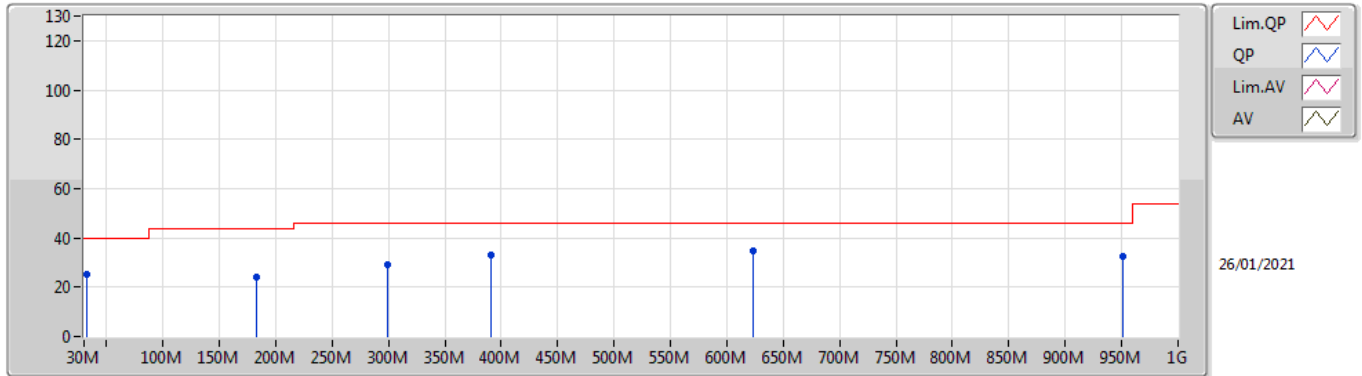
2440MHz_USB



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	70.74M	35.52	40.00	-4.48	-14.79	3	Vertical	360	1.00	-	50.31	11.35	1.31	27.45
PK	179.38M	27.33	43.50	-16.17	-10.25	3	Vertical	360	1.00	-	37.58	14.58	2.19	27.02
PK	262.8M	28.89	46.00	-17.11	-5.28	3	Vertical	360	1.00	-	34.17	18.73	2.68	26.69
PK	600.36M	34.34	46.00	-11.66	-0.06	3	Vertical	360	1.00	-	34.40	23.85	4.10	28.01
PK	747.8M	32.71	46.00	-13.29	2.15	3	Vertical	360	1.00	-	30.56	25.57	4.59	28.01
PK	951.5M	33.09	46.00	-12.91	4.40	3	Vertical	360	1.00	-	28.69	26.36	5.40	27.36

BT-BR(1Mbps)

2440MHz_USB



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	31.94M	25.05	40.00	-14.95	-4.56	3	Horizontal	0	1.00	-	29.61	22.11	0.90	27.57
PK	183.26M	24.15	43.50	-19.35	-10.35	3	Horizontal	0	1.00	-	34.50	14.43	2.22	27.00
PK	299.66M	29.16	46.00	-16.84	-5.37	3	Horizontal	0	1.00	-	34.53	18.38	2.90	26.65
PK	390.84M	33.02	46.00	-12.98	-3.31	3	Horizontal	0	1.00	-	36.33	20.62	3.26	27.19
PK	623.64M	34.73	46.00	-11.27	0.23	3	Horizontal	0	1.00	-	34.50	24.09	4.19	28.05
PK	951.5M	32.71	46.00	-13.29	4.40	3	Horizontal	0	1.00	-	28.31	26.36	5.40	27.36



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	2.4852G	61.67	74.00	-12.33	3	Horizontal	141	1.67	-
BT-EDR(3Mbps)	Pass	PK	2.4974G	59.73	74.00	-14.27	3	Horizontal	142	1.68	-



Result

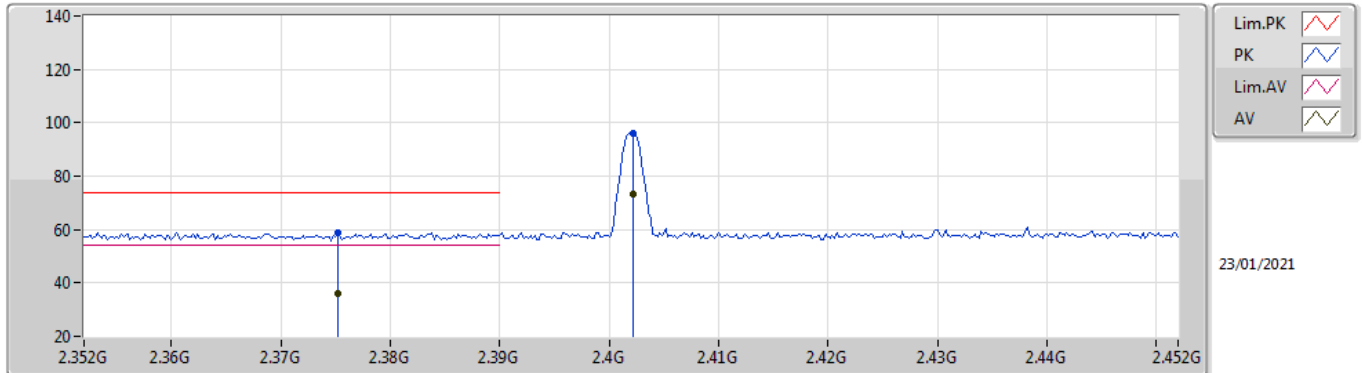
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3752G	36.25	54.00	-17.75	3	Vertical	239	1.98	-
2402MHz	Pass	AV	2.4022G	73.37	Inf	-Inf	3	Vertical	239	1.98	-
2402MHz	Pass	PK	2.3752G	58.75	74.00	-15.25	3	Vertical	239	1.98	-
2402MHz	Pass	PK	2.4022G	95.87	Inf	-Inf	3	Vertical	239	1.98	-
2402MHz	Pass	AV	2.3528G	36.71	54.00	-17.29	3	Horizontal	141	2.58	-
2402MHz	Pass	AV	2.4022G	82.75	Inf	-Inf	3	Horizontal	141	2.58	-
2402MHz	Pass	PK	2.3528G	59.21	74.00	-14.79	3	Horizontal	141	2.58	-
2402MHz	Pass	PK	2.4022G	105.25	Inf	-Inf	3	Horizontal	141	2.58	-
2402MHz	Pass	AV	4.80355G	25.93	54.00	-28.07	3	Vertical	142	2.96	-
2402MHz	Pass	PK	4.80355G	48.43	74.00	-25.57	3	Vertical	142	2.96	-
2402MHz	Pass	AV	4.80441G	25.53	54.00	-28.47	3	Horizontal	311	1.50	-
2402MHz	Pass	PK	4.80441G	48.03	74.00	-25.97	3	Horizontal	311	1.50	-
2440MHz	Pass	AV	2.3884G	36.46	54.00	-17.54	3	Vertical	252	2.53	-
2440MHz	Pass	AV	2.44G	77.21	Inf	-Inf	3	Vertical	252	2.53	-
2440MHz	Pass	AV	2.496G	36.76	54.00	-17.24	3	Vertical	252	2.53	-
2440MHz	Pass	PK	2.3884G	58.96	74.00	-15.04	3	Vertical	252	2.53	-
2440MHz	Pass	PK	2.44G	99.71	Inf	-Inf	3	Vertical	252	2.53	-
2440MHz	Pass	PK	2.496G	59.26	74.00	-14.74	3	Vertical	252	2.53	-
2440MHz	Pass	AV	2.3764G	36.63	54.00	-17.37	3	Horizontal	141	2.86	-
2440MHz	Pass	AV	2.44G	84.58	Inf	-Inf	3	Horizontal	141	2.86	-
2440MHz	Pass	AV	2.4988G	36.76	54.00	-17.24	3	Horizontal	141	2.86	-
2440MHz	Pass	PK	2.3764G	59.13	74.00	-14.87	3	Horizontal	141	2.86	-
2440MHz	Pass	PK	2.44G	107.08	Inf	-Inf	3	Horizontal	141	2.86	-
2440MHz	Pass	PK	2.4988G	59.26	74.00	-14.74	3	Horizontal	141	2.86	-
2440MHz	Pass	AV	4.87973G	26.34	54.00	-27.66	3	Vertical	63	1.17	-
2440MHz	Pass	PK	4.87973G	48.84	74.00	-25.16	3	Vertical	63	1.17	-
2440MHz	Pass	AV	4.88023G	27.05	54.00	-26.95	3	Horizontal	329	1.80	-
2440MHz	Pass	PK	4.88023G	49.55	74.00	-24.45	3	Horizontal	329	1.80	-
2480MHz	Pass	AV	2.4802G	77.55	Inf	-Inf	3	Vertical	237	1.20	-
2480MHz	Pass	AV	2.489G	37.51	54.00	-16.49	3	Vertical	237	1.20	-
2480MHz	Pass	PK	2.4802G	100.05	Inf	-Inf	3	Vertical	237	1.20	-
2480MHz	Pass	PK	2.489G	60.01	74.00	-13.99	3	Vertical	237	1.20	-
2480MHz	Pass	AV	2.48G	84.23	Inf	-Inf	3	Horizontal	141	1.67	-
2480MHz	Pass	AV	2.4852G	39.17	54.00	-14.83	3	Horizontal	141	1.67	-
2480MHz	Pass	PK	2.48G	106.73	Inf	-Inf	3	Horizontal	141	1.67	-
2480MHz	Pass	PK	2.4852G	61.67	74.00	-12.33	3	Horizontal	141	1.67	-
2480MHz	Pass	AV	4.95971G	27.25	54.00	-26.75	3	Vertical	66	1.30	-
2480MHz	Pass	PK	4.95971G	49.75	74.00	-24.25	3	Vertical	66	1.30	-
2480MHz	Pass	AV	4.95968G	28.11	54.00	-25.89	3	Horizontal	325	1.77	-
2480MHz	Pass	PK	4.95968G	50.61	74.00	-23.39	3	Horizontal	325	1.77	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3554G	36.78	54.00	-17.22	3	Vertical	242	1.98	-
2402MHz	Pass	AV	2.402G	74.00	Inf	-Inf	3	Vertical	242	1.98	-
2402MHz	Pass	PK	2.3554G	59.28	74.00	-14.72	3	Vertical	242	1.98	-
2402MHz	Pass	PK	2.402G	96.50	Inf	-Inf	3	Vertical	242	1.98	-
2402MHz	Pass	AV	2.3566G	36.98	54.00	-17.02	3	Horizontal	139	2.57	-
2402MHz	Pass	AV	2.402G	81.86	Inf	-Inf	3	Horizontal	139	2.57	-
2402MHz	Pass	PK	2.3566G	59.48	74.00	-14.52	3	Horizontal	139	2.57	-
2402MHz	Pass	PK	2.402G	104.36	Inf	-Inf	3	Horizontal	139	2.57	-
2402MHz	Pass	AV	4.80409G	24.31	54.00	-29.69	3	Vertical	302	1.24	-
2402MHz	Pass	PK	4.80409G	46.81	74.00	-27.19	3	Vertical	302	1.24	-
2402MHz	Pass	AV	4.80423G	25.62	54.00	-28.38	3	Horizontal	242	1.01	-
2402MHz	Pass	PK	4.80423G	48.12	74.00	-25.88	3	Horizontal	242	1.01	-
2440MHz	Pass	AV	2.36G	36.66	54.00	-17.34	3	Vertical	253	2.52	-
2440MHz	Pass	AV	2.44G	75.84	Inf	-Inf	3	Vertical	253	2.52	-
2440MHz	Pass	AV	2.4835G	37.21	54.00	-16.79	3	Vertical	253	2.52	-
2440MHz	Pass	PK	2.36G	59.16	74.00	-14.84	3	Vertical	253	2.52	-
2440MHz	Pass	PK	2.44G	98.34	Inf	-Inf	3	Vertical	253	2.52	-
2440MHz	Pass	PK	2.4835G	59.71	74.00	-14.29	3	Vertical	253	2.52	-
2440MHz	Pass	AV	2.386G	36.13	54.00	-17.87	3	Horizontal	142	2.86	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	AV	2.4404G	83.31	Inf	-Inf	3	Horizontal	142	2.86	-
2440MHz	Pass	AV	2.4972G	36.68	54.00	-17.32	3	Horizontal	142	2.86	-
2440MHz	Pass	PK	2.386G	58.63	74.00	-15.37	3	Horizontal	142	2.86	-
2440MHz	Pass	PK	2.4404G	105.81	Inf	-Inf	3	Horizontal	142	2.86	-
2440MHz	Pass	PK	2.4972G	59.18	74.00	-14.82	3	Horizontal	142	2.86	-
2440MHz	Pass	AV	4.88056G	25.04	54.00	-28.96	3	Vertical	62	1.16	-
2440MHz	Pass	PK	4.88056G	47.54	74.00	-26.46	3	Vertical	62	1.16	-
2440MHz	Pass	AV	4.87977G	26.47	54.00	-27.53	3	Horizontal	329	1.82	-
2440MHz	Pass	PK	4.87977G	48.97	74.00	-25.03	3	Horizontal	329	1.82	-
2480MHz	Pass	AV	2.48G	76.40	Inf	-Inf	3	Vertical	237	1.19	-
2480MHz	Pass	AV	2.4858G	37.15	54.00	-16.85	3	Vertical	237	1.19	-
2480MHz	Pass	PK	2.48G	98.90	Inf	-Inf	3	Vertical	237	1.19	-
2480MHz	Pass	PK	2.4858G	59.65	74.00	-14.35	3	Vertical	237	1.19	-
2480MHz	Pass	AV	2.48G	82.95	Inf	-Inf	3	Horizontal	142	1.68	-
2480MHz	Pass	AV	2.4974G	37.23	54.00	-16.77	3	Horizontal	142	1.68	-
2480MHz	Pass	PK	2.48G	105.45	Inf	-Inf	3	Horizontal	142	1.68	-
2480MHz	Pass	PK	2.4974G	59.73	74.00	-14.27	3	Horizontal	142	1.68	-
2480MHz	Pass	AV	4.96041G	26.78	54.00	-27.22	3	Vertical	64	1.30	-
2480MHz	Pass	PK	4.96041G	49.28	74.00	-24.72	3	Vertical	64	1.30	-
2480MHz	Pass	AV	4.96048G	28.80	54.00	-25.20	3	Horizontal	253	2.37	-
2480MHz	Pass	PK	4.96048G	51.30	74.00	-22.70	3	Horizontal	253	2.37	-

BT-BR(1Mbps)

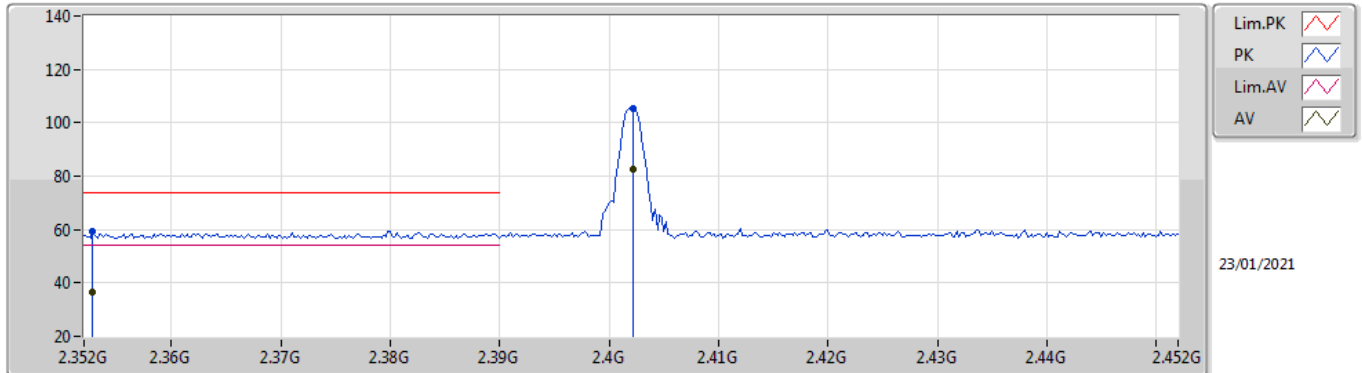
2402MHz_TX



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	2.3752G	36.25	54.00	-17.75	31.93	3	Vertical	239	1.98	-	4.32	27.65	4.28	-
AV	2.4022G	73.37	Inf	-Inf	31.90	3	Vertical	239	1.98	-	41.47	27.60	4.30	-
PK	2.3752G	58.75	74.00	-15.25	31.93	3	Vertical	239	1.98	-	26.82	27.65	4.28	-
PK	2.4022G	95.87	Inf	-Inf	31.90	3	Vertical	239	1.98	-	63.97	27.60	4.30	-

BT-BR(1Mbps)

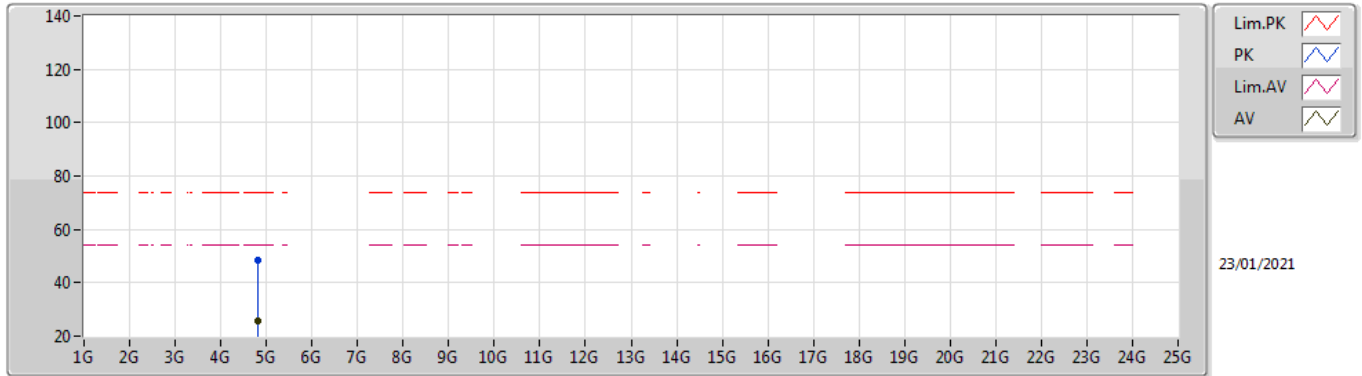
2402MHz_TX



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	2.3528G	36.71	54.00	-17.29	31.94	3	Horizontal	141	2.58	-	4.77	27.69	4.25	-
AV	2.4022G	82.75	Inf	-Inf	31.90	3	Horizontal	141	2.58	-	50.85	27.60	4.30	-
PK	2.3528G	59.21	74.00	-14.79	31.94	3	Horizontal	141	2.58	-	27.27	27.69	4.25	-
PK	2.4022G	105.25	Inf	-Inf	31.90	3	Horizontal	141	2.58	-	73.35	27.60	4.30	-

BT-BR(1Mbps)

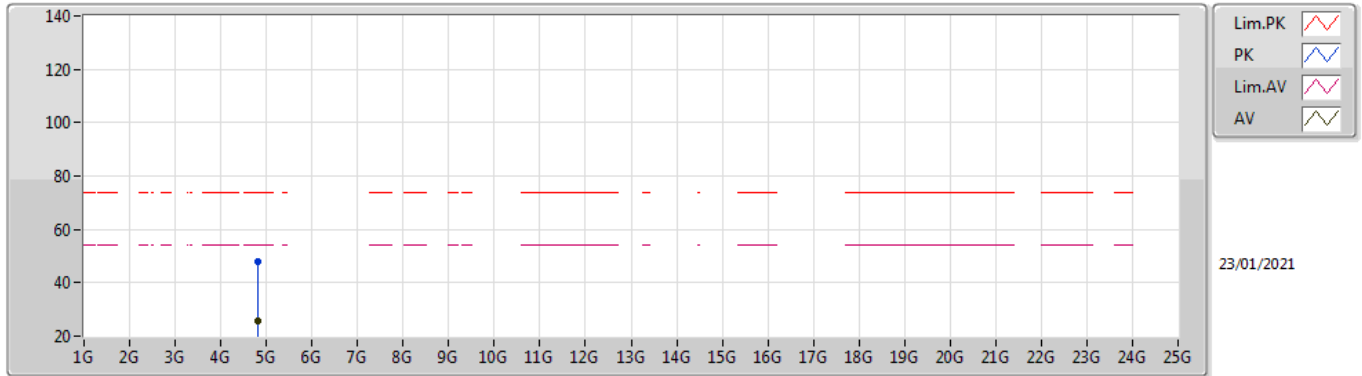
2402MHz_TX



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	4.80355G	25.93	54.00	-28.07	8.37	3	Vertical	142	2.96	-	17.56	31.10	6.50	29.23
PK	4.80355G	48.43	74.00	-25.57	8.37	3	Vertical	142	2.96	-	40.06	31.10	6.50	29.23

BT-BR(1Mbps)

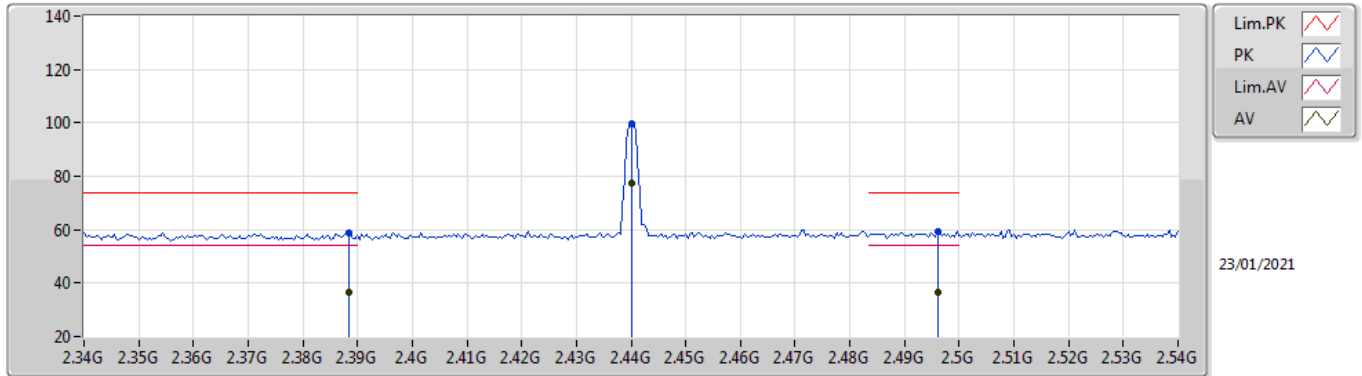
2402MHz_TX



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	4.80441G	25.53	54.00	-28.47	8.37	3	Horizontal	311	1.50	-	17.16	31.10	6.50	29.23
PK	4.80441G	48.03	74.00	-25.97	8.37	3	Horizontal	311	1.50	-	39.66	31.10	6.50	29.23

BT-BR(1Mbps)

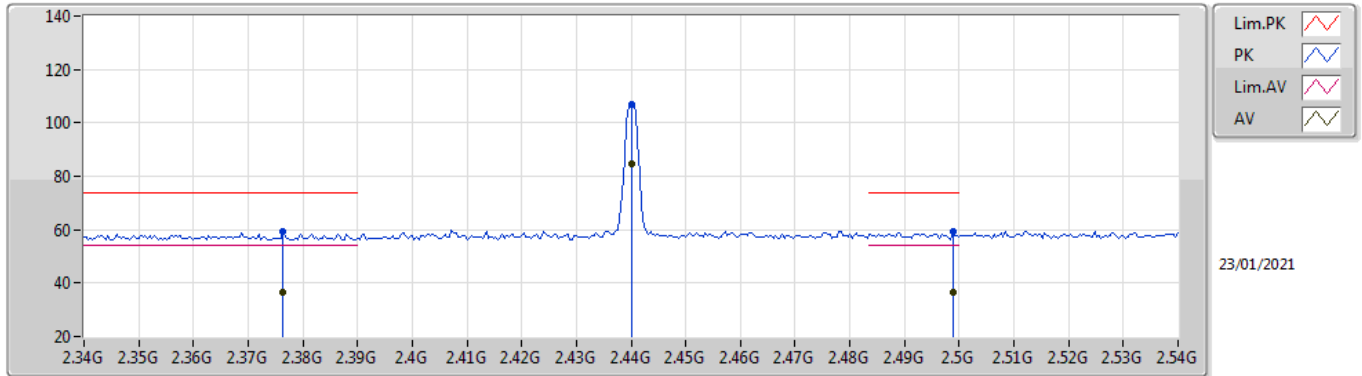
2440MHz_TX



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	2.3884G	36.46	54.00	-17.54	31.91	3	Vertical	252	2.53	-	4.55	27.62	4.29	-
AV	2.44G	77.21	Inf	-Inf	31.86	3	Vertical	252	2.53	-	45.35	27.52	4.34	-
AV	2.496G	36.76	54.00	-17.24	31.81	3	Vertical	252	2.53	-	4.95	27.41	4.40	-
PK	2.3884G	58.96	74.00	-15.04	31.91	3	Vertical	252	2.53	-	27.05	27.62	4.29	-
PK	2.44G	99.71	Inf	-Inf	31.86	3	Vertical	252	2.53	-	67.85	27.52	4.34	-
PK	2.496G	59.26	74.00	-14.74	31.81	3	Vertical	252	2.53	-	27.45	27.41	4.40	-

BT-BR(1Mbps)

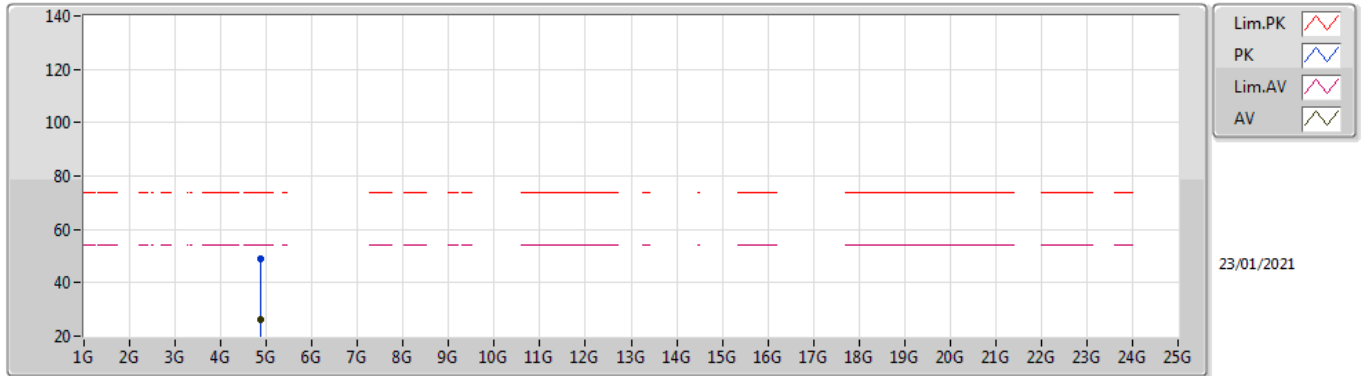
2440MHz_TX



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	2.3764G	36.63	54.00	-17.37	31.93	3	Horizontal	141	2.86	-	4.70	27.65	4.28	-
AV	2.44G	84.58	Inf	-Inf	31.86	3	Horizontal	141	2.86	-	52.72	27.52	4.34	-
AV	2.4988G	36.76	54.00	-17.24	31.80	3	Horizontal	141	2.86	-	4.96	27.40	4.40	-
PK	2.3764G	59.13	74.00	-14.87	31.93	3	Horizontal	141	2.86	-	27.20	27.65	4.28	-
PK	2.44G	107.08	Inf	-Inf	31.86	3	Horizontal	141	2.86	-	75.22	27.52	4.34	-
PK	2.4988G	59.26	74.00	-14.74	31.80	3	Horizontal	141	2.86	-	27.46	27.40	4.40	-

BT-BR(1Mbps)

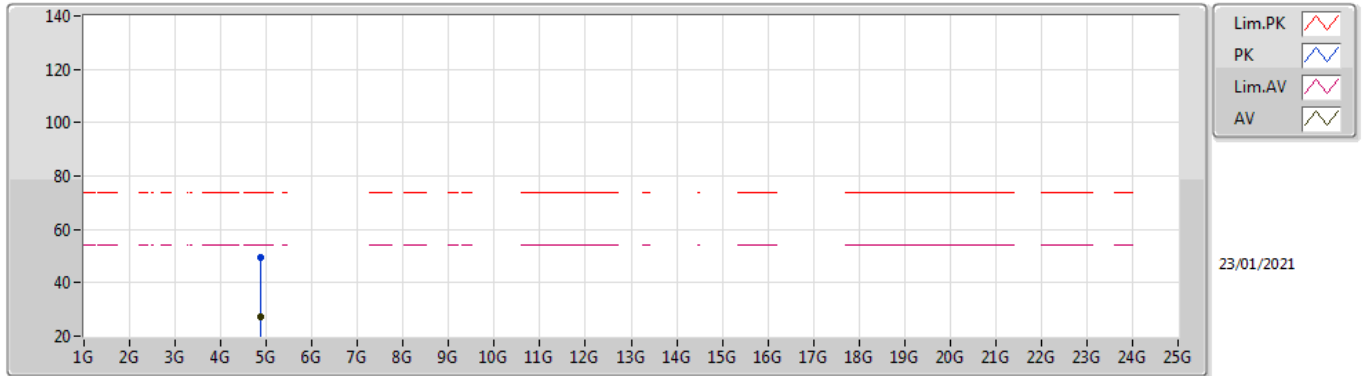
2440MHz_TX



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	4.87973G	26.34	54.00	-27.66	8.47	3	Vertical	63	1.17	-	17.87	31.10	6.58	29.21
PK	4.87973G	48.84	74.00	-25.16	8.47	3	Vertical	63	1.17	-	40.37	31.10	6.58	29.21

BT-BR(1Mbps)

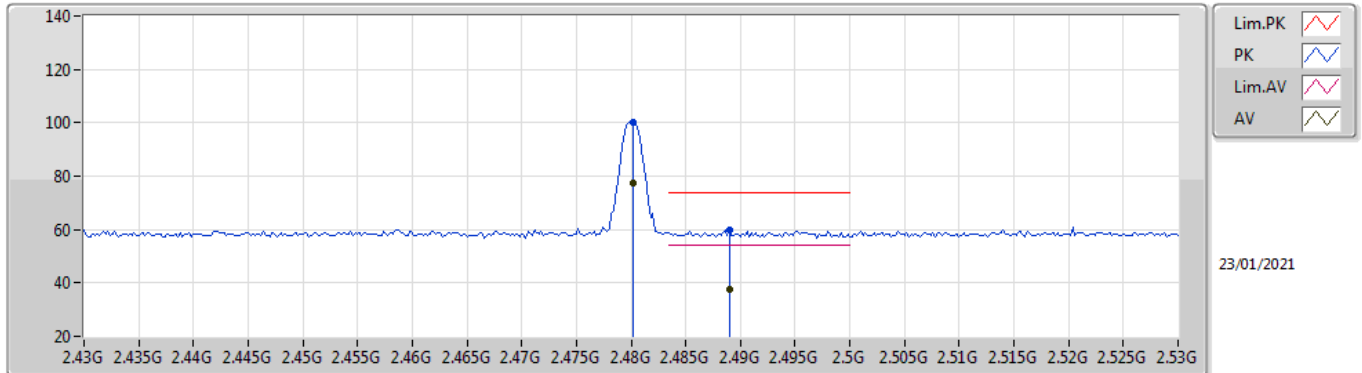
2440MHz_TX



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	4.88023G	27.05	54.00	-26.95	8.47	3	Horizontal	329	1.80	-	18.58	31.10	6.58	29.21
PK	4.88023G	49.55	74.00	-24.45	8.47	3	Horizontal	329	1.80	-	41.08	31.10	6.58	29.21

BT-BR(1Mbps)

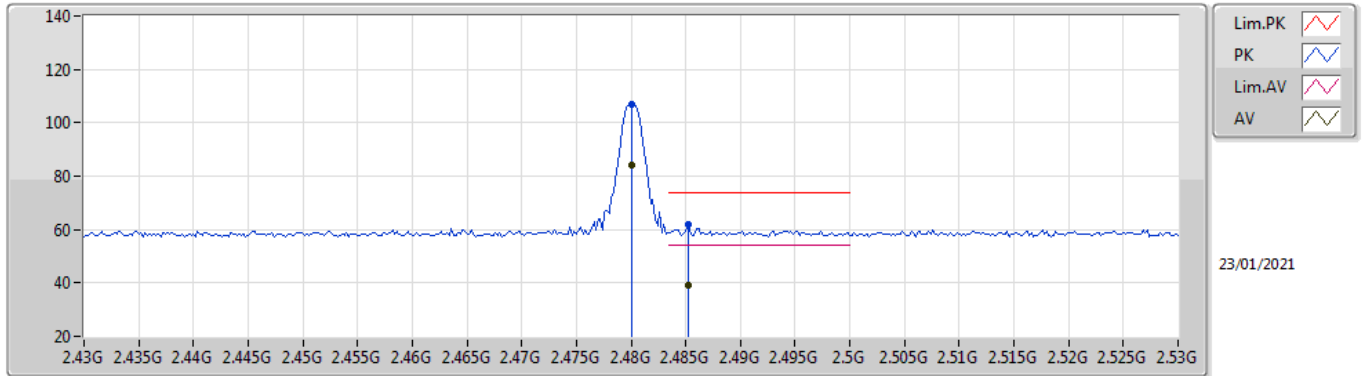
2480MHz_TX



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	2.4802G	77.55	Inf	-Inf	31.82	3	Vertical	237	1.20	-	45.73	27.44	4.38	-
AV	2.489G	37.51	54.00	-16.49	31.81	3	Vertical	237	1.20	-	5.70	27.42	4.39	-
PK	2.4802G	100.05	Inf	-Inf	31.82	3	Vertical	237	1.20	-	68.23	27.44	4.38	-
PK	2.489G	60.01	74.00	-13.99	31.81	3	Vertical	237	1.20	-	28.20	27.42	4.39	-

BT-BR(1Mbps)

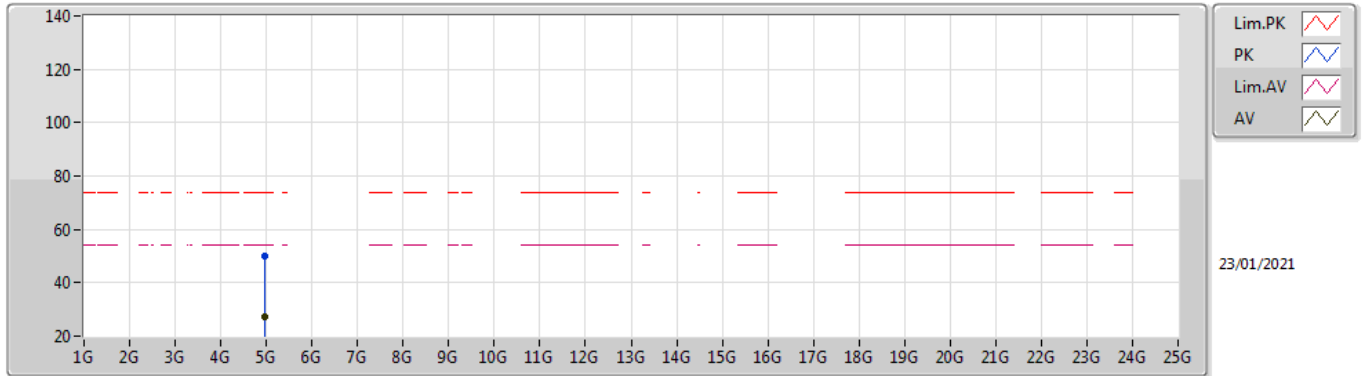
2480MHz_TX



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	84.23	Inf	-Inf	31.82	3	Horizontal	141	1.67	-	52.41	27.44	4.38	-
AV	2.4852G	39.17	54.00	-14.83	31.82	3	Horizontal	141	1.67	-	7.35	27.43	4.39	-
PK	2.48G	106.73	Inf	-Inf	31.82	3	Horizontal	141	1.67	-	74.91	27.44	4.38	-
PK	2.4852G	61.67	74.00	-12.33	31.82	3	Horizontal	141	1.67	-	29.85	27.43	4.39	-

BT-BR(1Mbps)

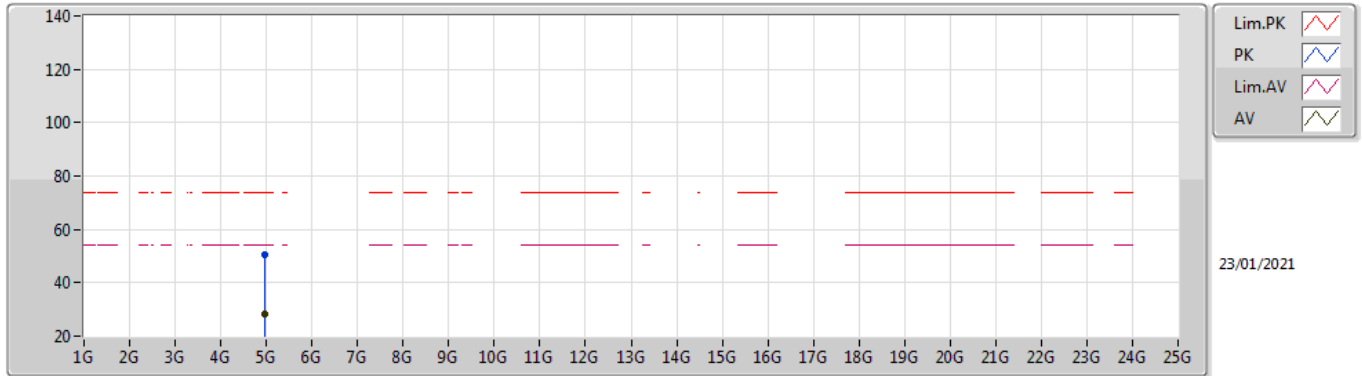
2480MHz_TX



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	4.95971G	27.25	54.00	-26.75	8.68	3	Vertical	66	1.30	-	18.57	31.20	6.66	29.18
PK	4.95971G	49.75	74.00	-24.25	8.68	3	Vertical	66	1.30	-	41.07	31.20	6.66	29.18

BT-BR(1Mbps)

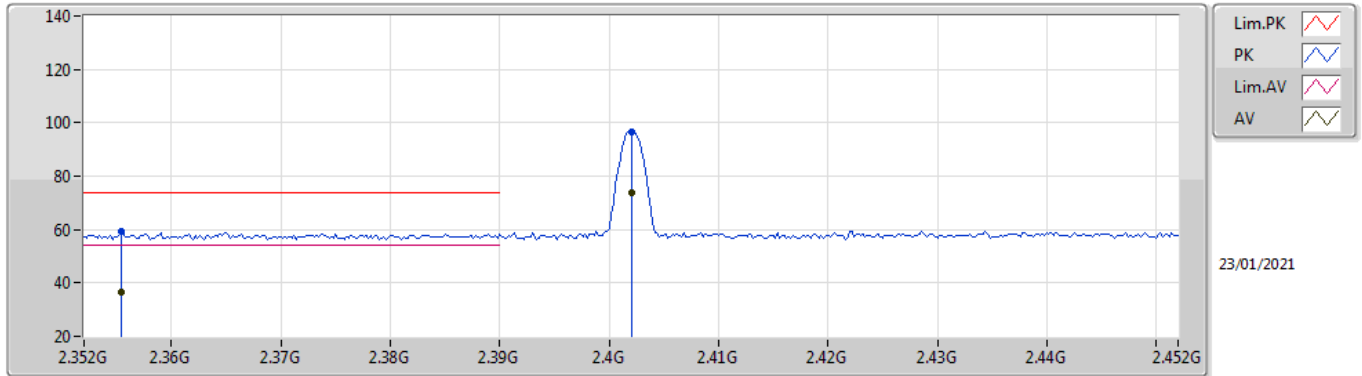
2480MHz_TX



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	4.95968G	28.11	54.00	-25.89	8.68	3	Horizontal	325	1.77	-	19.43	31.20	6.66	29.18
PK	4.95968G	50.61	74.00	-23.39	8.68	3	Horizontal	325	1.77	-	41.93	31.20	6.66	29.18

BT-EDR(3Mbps)

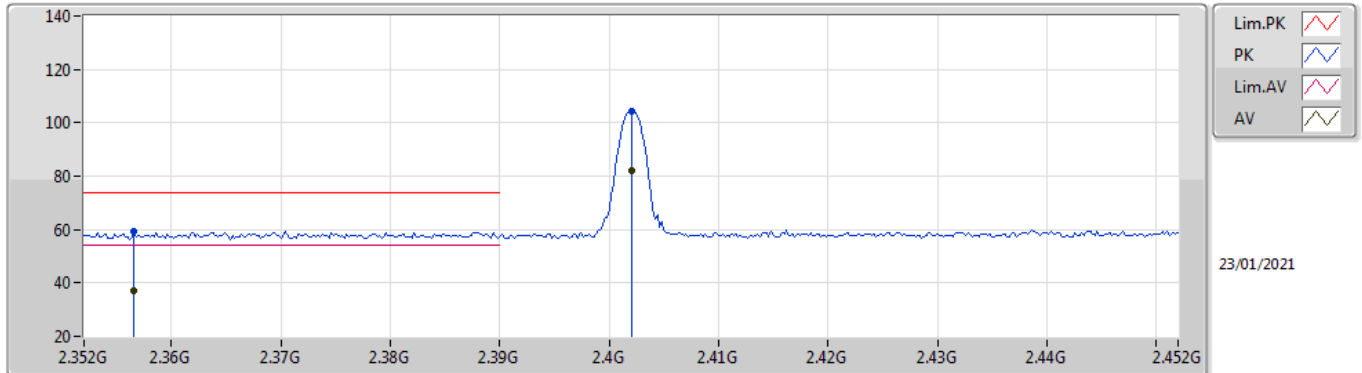
2402MHz_TX



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	2.3554G	36.78	54.00	-17.22	31.95	3	Vertical	242	1.98	-	4.83	27.69	4.26	-
AV	2.402G	74.00	Inf	-Inf	31.90	3	Vertical	242	1.98	-	42.10	27.60	4.30	-
PK	2.3554G	59.28	74.00	-14.72	31.95	3	Vertical	242	1.98	-	27.33	27.69	4.26	-
PK	2.402G	96.50	Inf	-Inf	31.90	3	Vertical	242	1.98	-	64.60	27.60	4.30	-

BT-EDR(3Mbps)

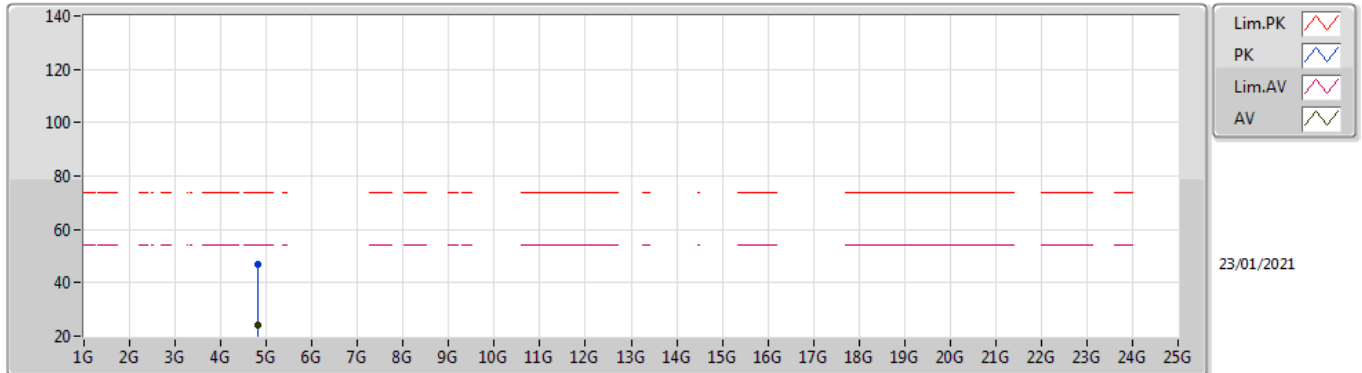
2402MHz_TX



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	2.3566G	36.98	54.00	-17.02	31.95	3	Horizontal	139	2.57	-	5.03	27.69	4.26	-
AV	2.402G	81.86	Inf	-Inf	31.90	3	Horizontal	139	2.57	-	49.96	27.60	4.30	-
PK	2.3566G	59.48	74.00	-14.52	31.95	3	Horizontal	139	2.57	-	27.53	27.69	4.26	-
PK	2.402G	104.36	Inf	-Inf	31.90	3	Horizontal	139	2.57	-	72.46	27.60	4.30	-

BT-EDR(3Mbps)

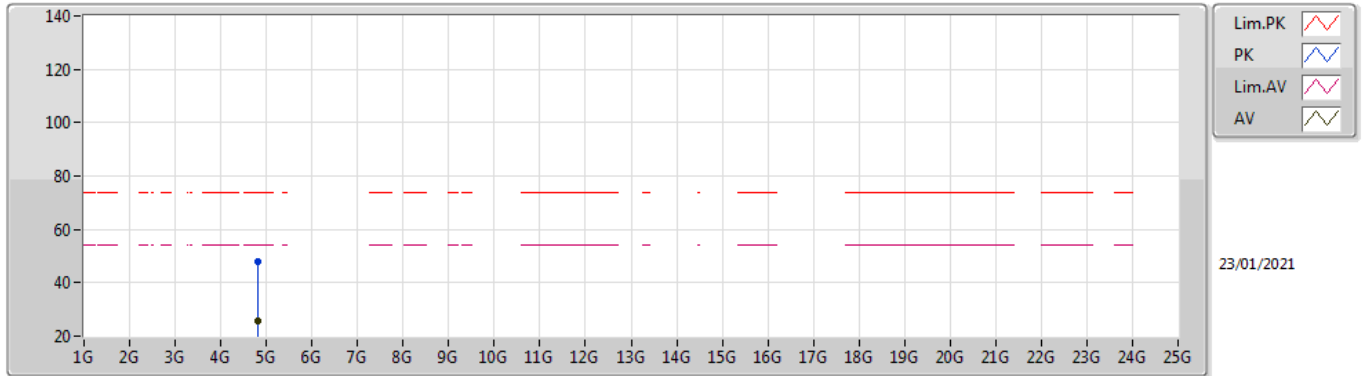
2402MHz_TX



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	4.80409G	24.31	54.00	-29.69	8.37	3	Vertical	302	1.24	-	15.94	31.10	6.50	29.23
PK	4.80409G	46.81	74.00	-27.19	8.37	3	Vertical	302	1.24	-	38.44	31.10	6.50	29.23

BT-EDR(3Mbps)

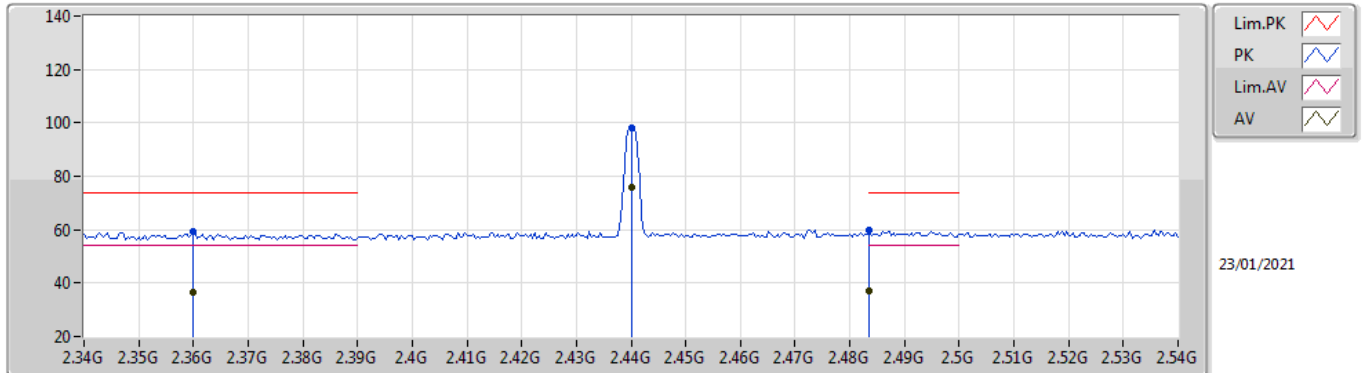
2402MHz_TX



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	4.80423G	25.62	54.00	-28.38	8.37	3	Horizontal	242	1.01	-	17.25	31.10	6.50	29.23
PK	4.80423G	48.12	74.00	-25.88	8.37	3	Horizontal	242	1.01	-	39.75	31.10	6.50	29.23

BT-EDR(3Mbps)

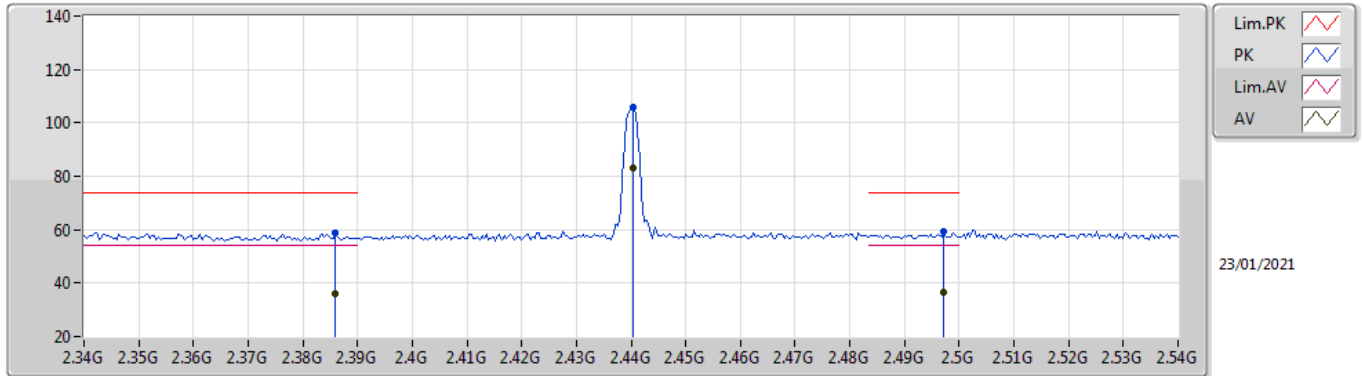
2440MHz_TX



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	2.36G	36.66	54.00	-17.34	31.94	3	Vertical	253	2.52	-	4.72	27.68	4.26	-
AV	2.44G	75.84	Inf	-Inf	31.86	3	Vertical	253	2.52	-	43.98	27.52	4.34	-
AV	2.4835G	37.21	54.00	-16.79	31.81	3	Vertical	253	2.52	-	5.40	27.43	4.38	-
PK	2.36G	59.16	74.00	-14.84	31.94	3	Vertical	253	2.52	-	27.22	27.68	4.26	-
PK	2.44G	98.34	Inf	-Inf	31.86	3	Vertical	253	2.52	-	66.48	27.52	4.34	-
PK	2.4835G	59.71	74.00	-14.29	31.81	3	Vertical	253	2.52	-	27.90	27.43	4.38	-

BT-EDR(3Mbps)

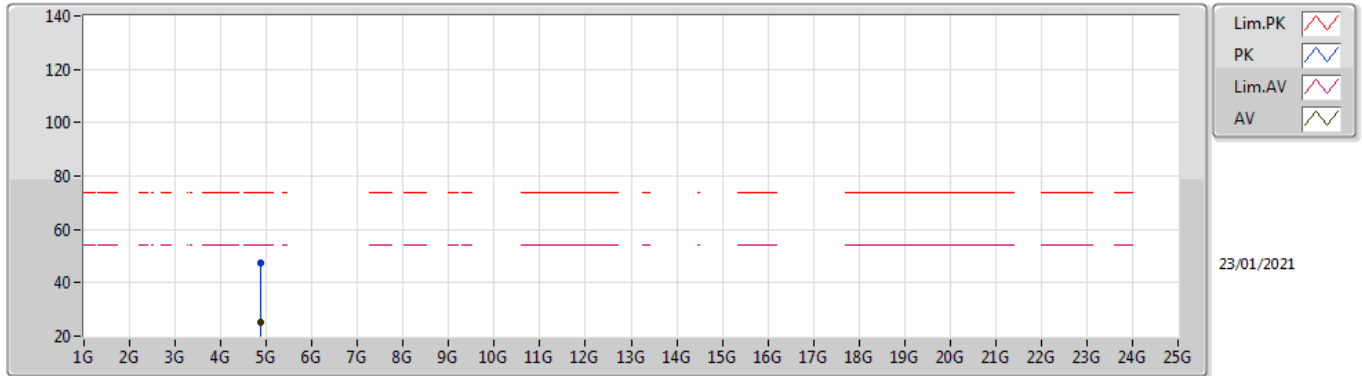
2440MHz_TX



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	2.386G	36.13	54.00	-17.87	31.92	3	Horizontal	142	2.86	-	4.21	27.63	4.29	-
AV	2.4404G	83.31	Inf	-Inf	31.86	3	Horizontal	142	2.86	-	51.45	27.52	4.34	-
AV	2.4972G	36.68	54.00	-17.32	31.81	3	Horizontal	142	2.86	-	4.87	27.41	4.40	-
PK	2.386G	58.63	74.00	-15.37	31.92	3	Horizontal	142	2.86	-	26.71	27.63	4.29	-
PK	2.4404G	105.81	Inf	-Inf	31.86	3	Horizontal	142	2.86	-	73.95	27.52	4.34	-
PK	2.4972G	59.18	74.00	-14.82	31.81	3	Horizontal	142	2.86	-	27.37	27.41	4.40	-

BT-EDR(3Mbps)

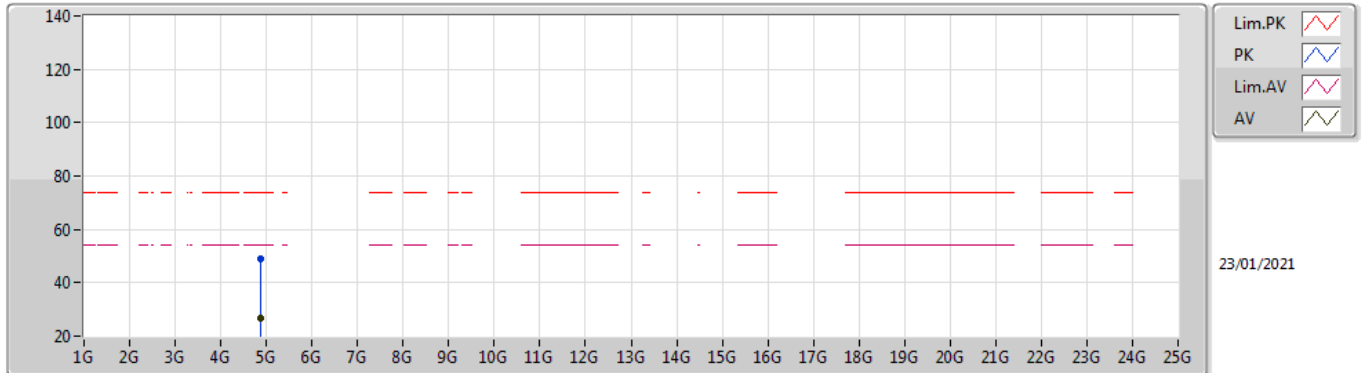
2440MHz_TX



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	4.88056G	25.04	54.00	-28.96	8.47	3	Vertical	62	1.16	-	16.57	31.10	6.58	29.21
PK	4.88056G	47.54	74.00	-26.46	8.47	3	Vertical	62	1.16	-	39.07	31.10	6.58	29.21

BT-EDR(3Mbps)

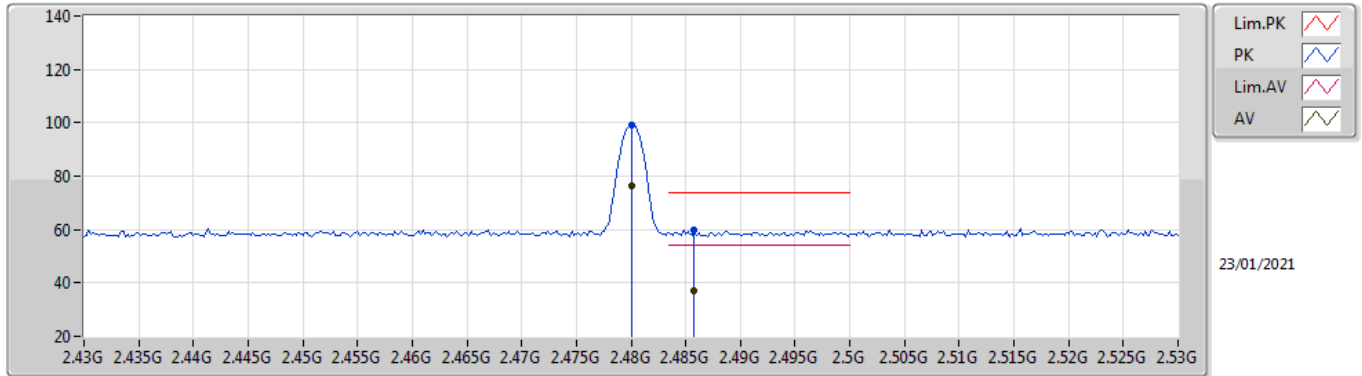
2440MHz_TX



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	4.87977G	26.47	54.00	-27.53	8.47	3	Horizontal	329	1.82	-	18.00	31.10	6.58	29.21
PK	4.87977G	48.97	74.00	-25.03	8.47	3	Horizontal	329	1.82	-	40.50	31.10	6.58	29.21

BT-EDR(3Mbps)

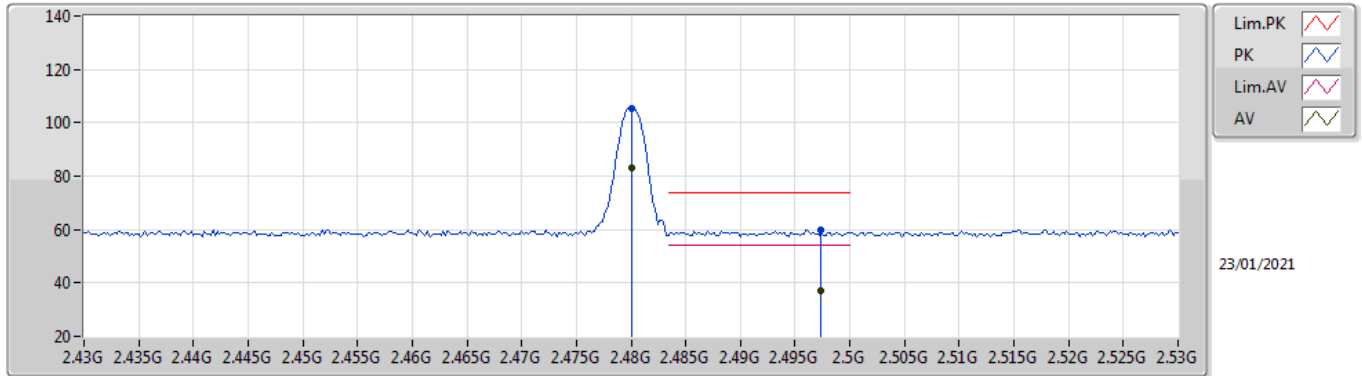
2480MHz_TX



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	76.40	Inf	-Inf	31.82	3	Vertical	237	1.19	-	44.58	27.44	4.38	-
AV	2.4858G	37.15	54.00	-16.85	31.82	3	Vertical	237	1.19	-	5.33	27.43	4.39	-
PK	2.48G	98.90	Inf	-Inf	31.82	3	Vertical	237	1.19	-	67.08	27.44	4.38	-
PK	2.4858G	59.65	74.00	-14.35	31.82	3	Vertical	237	1.19	-	27.83	27.43	4.39	-

BT-EDR(3Mbps)

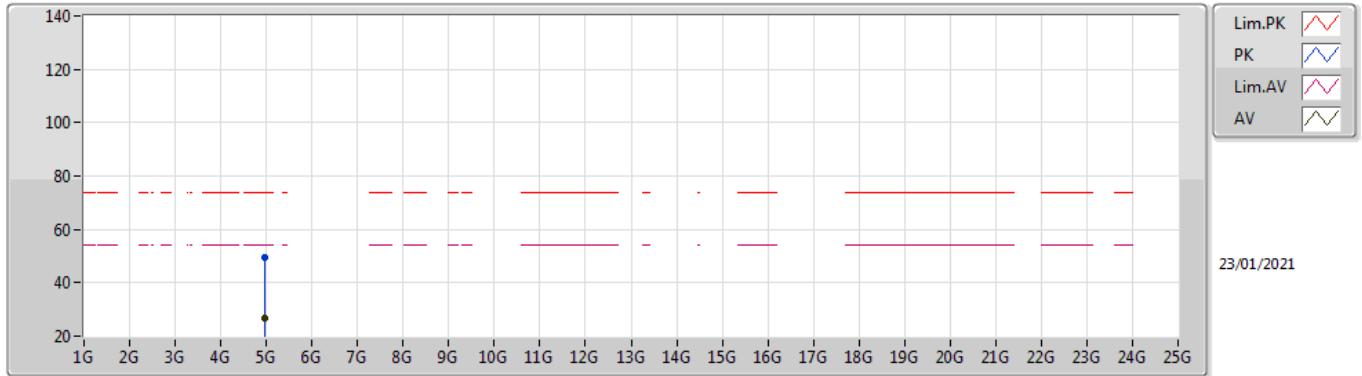
2480MHz_TX



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	82.95	Inf	-Inf	31.82	3	Horizontal	142	1.68	-	51.13	27.44	4.38	-
AV	2.4974G	37.23	54.00	-16.77	31.81	3	Horizontal	142	1.68	-	5.42	27.41	4.40	-
PK	2.48G	105.45	Inf	-Inf	31.82	3	Horizontal	142	1.68	-	73.63	27.44	4.38	-
PK	2.4974G	59.73	74.00	-14.27	31.81	3	Horizontal	142	1.68	-	27.92	27.41	4.40	-

BT-EDR(3Mbps)

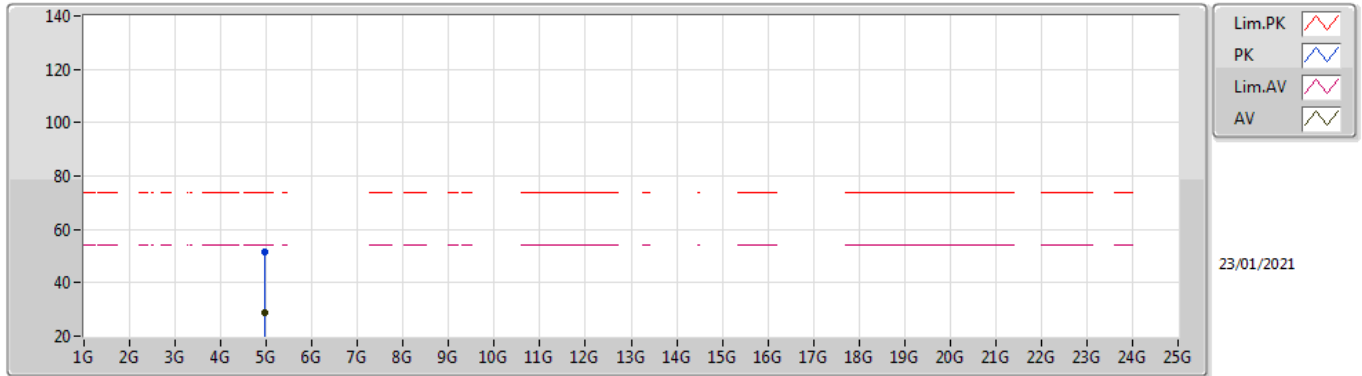
2480MHz_TX



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	4.96041G	26.78	54.00	-27.22	8.68	3	Vertical	64	1.30	-	18.10	31.20	6.66	29.18
PK	4.96041G	49.28	74.00	-24.72	8.68	3	Vertical	64	1.30	-	40.60	31.20	6.66	29.18

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	4.96048G	28.80	54.00	-25.20	8.68	3	Horizontal	253	2.37	-	20.12	31.20	6.66	29.18
PK	4.96048G	51.30	74.00	-22.70	8.68	3	Horizontal	253	2.37	-	42.62	31.20	6.66	29.18