

FCC Test Report

FCC ID : NDD9576112002
Equipment : Bluetooth 5.0 Nano USB Adapter
Brand Name : EDIMAX
Model Name : BT-8500, EW-7611UB5
Applicant : EDIMAX TECHNOLOGY CO., LTD.
No.278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan
Manufacturer : EDIMAX TECHNOLOGY CO., LTD.
No.278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan
Standard : 47 CFR FCC Part 15.247

The product was received on Jun. 12, 2020, and testing was started from Jun. 17, 2020 and completed on Jun. 20, 2020. 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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: Sam Tsai

Report Producer: Amber Chiu

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	LYNwave	ALX19M-052AA3	PIFA Antenna	N/A	-1.2

Note 1: The EUT has one antenna.

For Bluetooth function:

For 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 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.:		...
☐	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)	0.781	1.07	2.886m	1k
BT-EDR(2Mbps)	0.772	1.12	2.891m	1k
BT-EDR(3Mbps)	0.772	1.12	2.894m	1k

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

1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Description
BT-8500	All the models are identical, the difference model served as marketing strategy.
EW-7611UB5	

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	23.4~24.1°C / 57~63%	20/Jun/2020
RF Conducted	TH07-HY	Justin Pan	20~24°C / 50~55%	17/Jun/2020~ 18/Jun/2020
Radiated	03CH09-HY	Ryan Hsiao	22.4~23.5°C / 42~54%	18/Jun/2020~ 19/Jun/2020

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	RTLBTAPP v5.2.2.57
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Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	09
2440MHz	09
2480MHz	0A
BT-EDR(2Mbps)	-
2402MHz	09
2440MHz	09
2480MHz	0A
BT-EDR(3Mbps)	-
2402MHz	09
2440MHz	09
2480MHz	0A

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)

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		

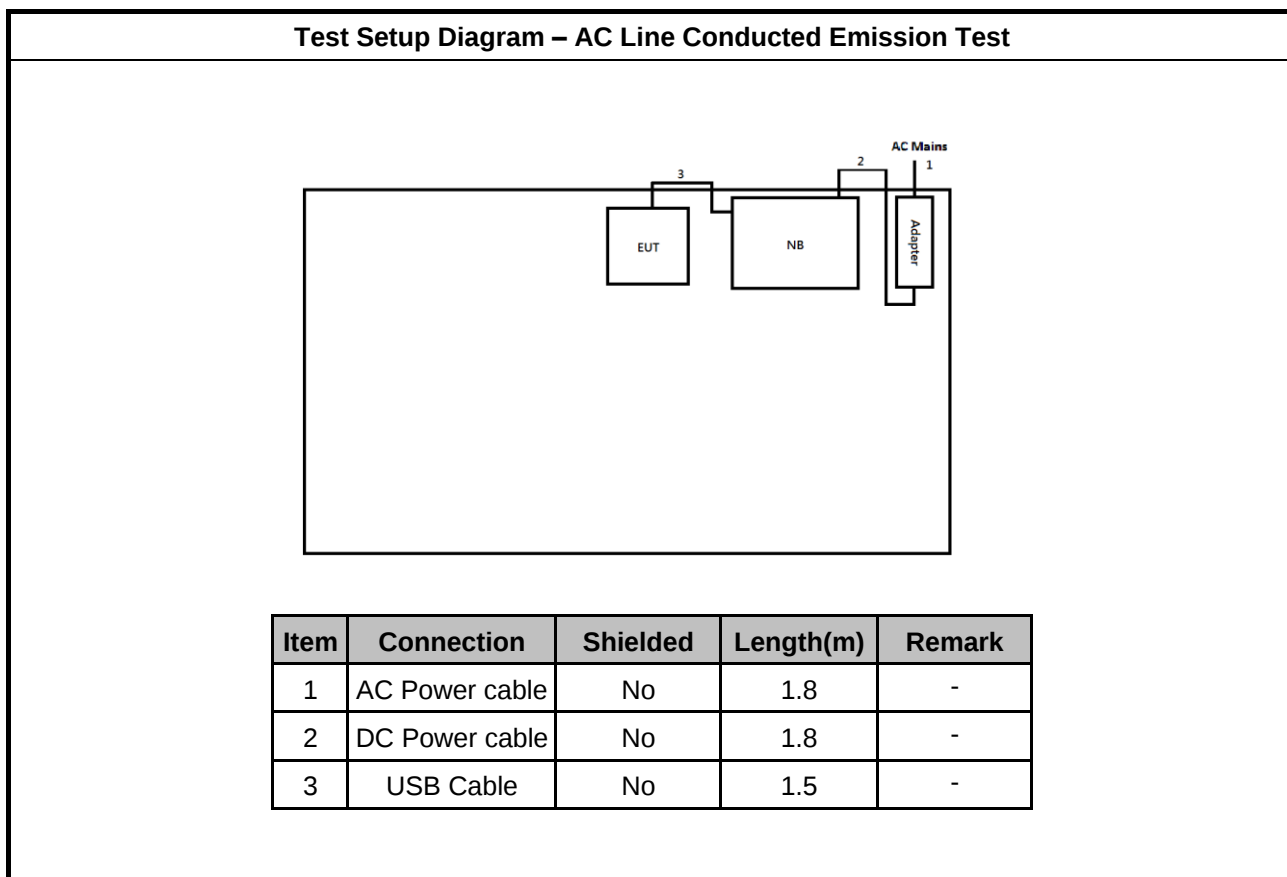
2.4 Support Equipment

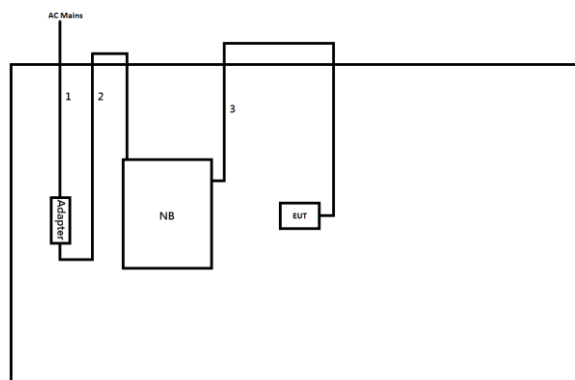
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	Dell	E6400	-	-
2	Adapter for NB	Dell	HA65NM130	-	-
3	AC Power Cable	Power sync	TPCMRN0018	-	-
4	USB cable	Sporton	Sporton	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	PP13S	-	-
2	Adapter for NB	DELL	AA90PM111	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	Dell	E6400	-	-
2	Adapter for NB	Dell	HA65NM130	-	-
3	AC Power Cable	Power sync	TPCMRN0018	-	-
4	USB cable	Sporton	Sporton	-	-

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.8	-
3	USB cable	No	1.5	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

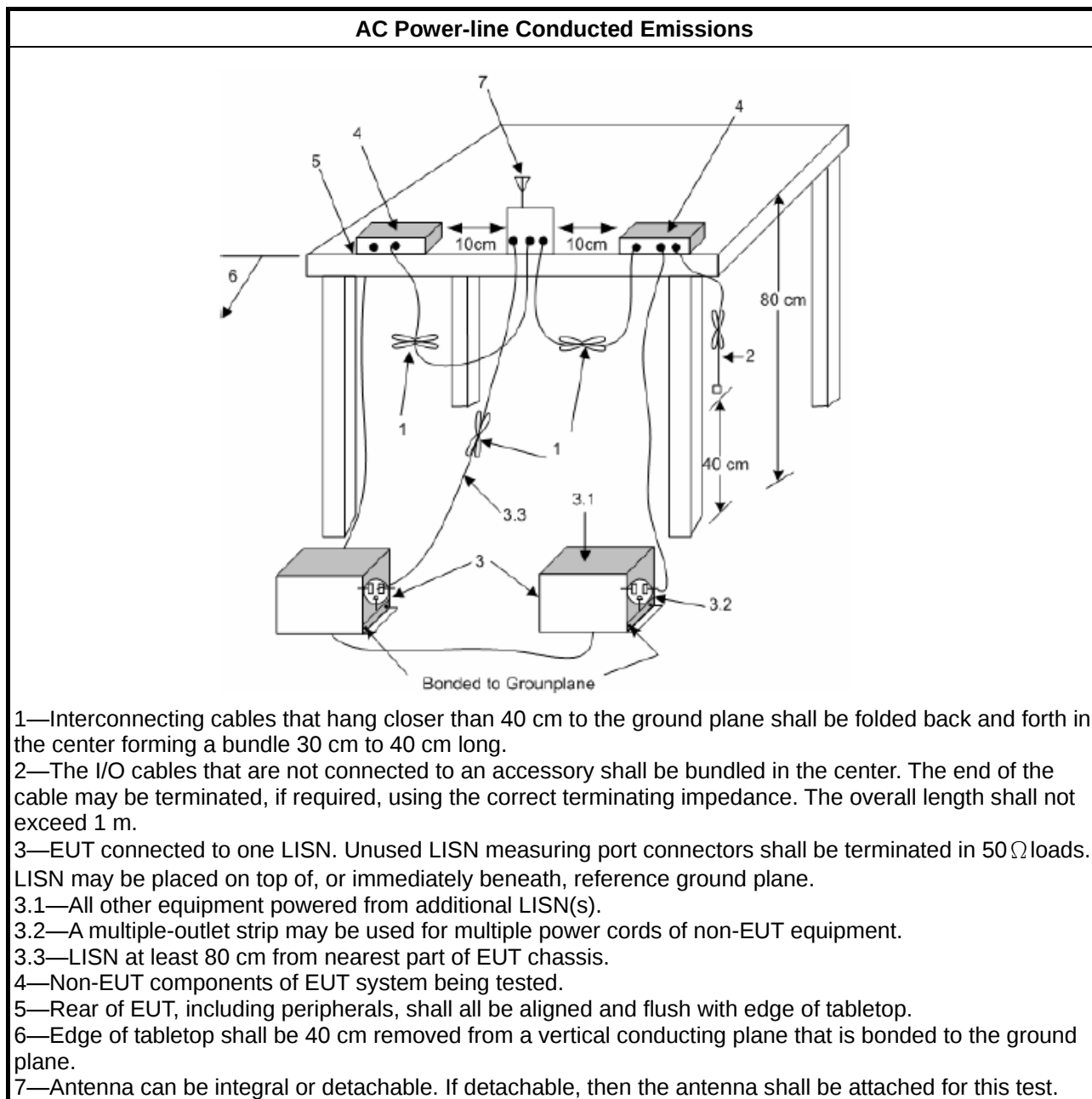
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
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	

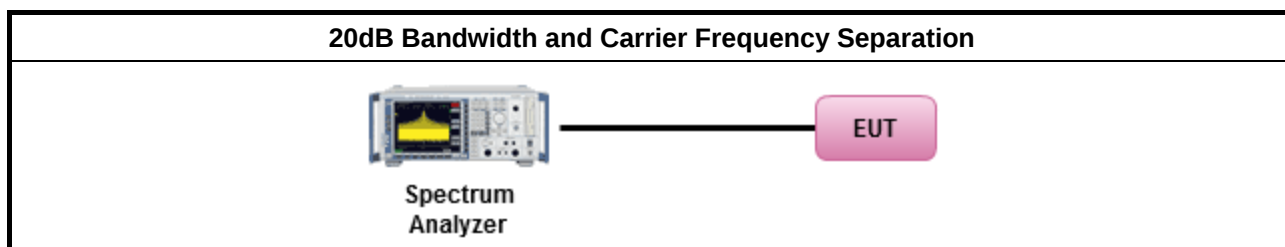
3.2.2 Measuring Instruments

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	

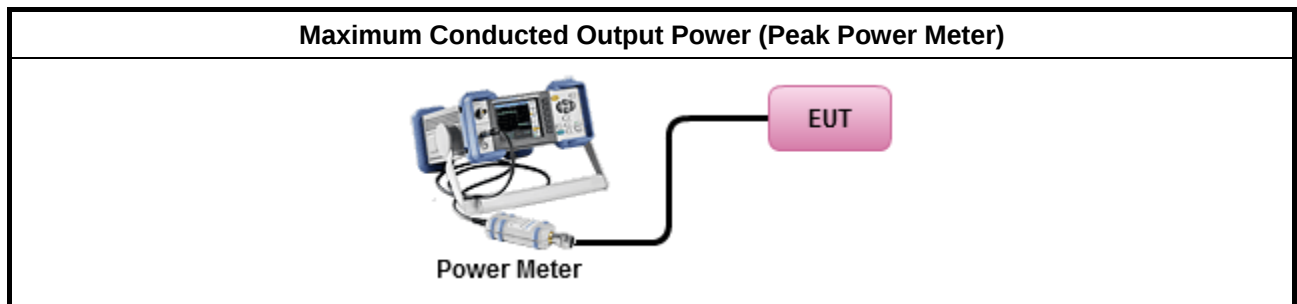
3.3.2 Measuring Instruments

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

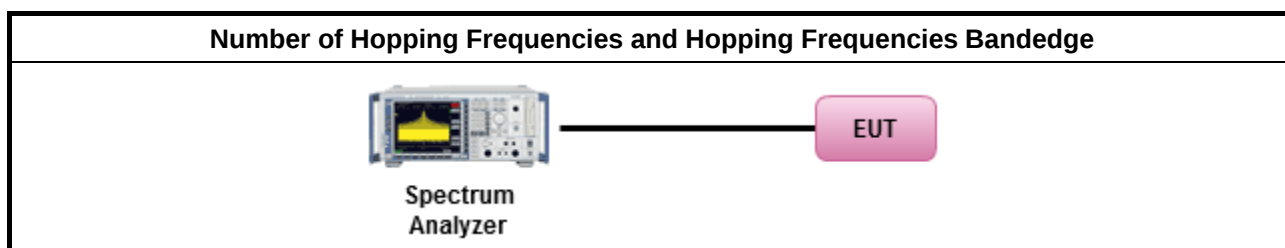
3.4.3 Measuring Instruments

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	

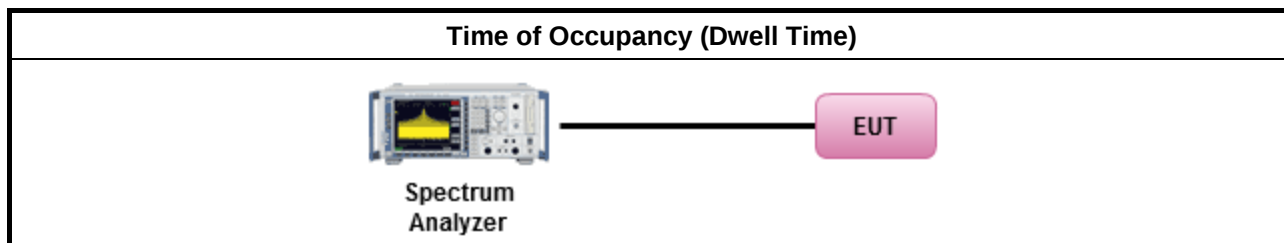
3.5.2 Measuring Instruments

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.	

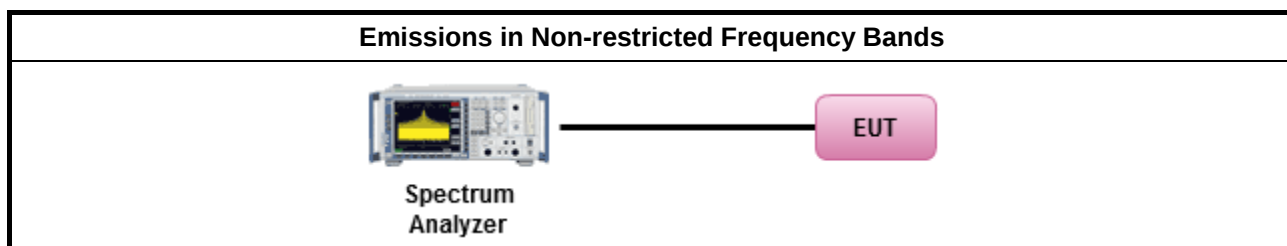
3.6.2 Measuring Instruments

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.

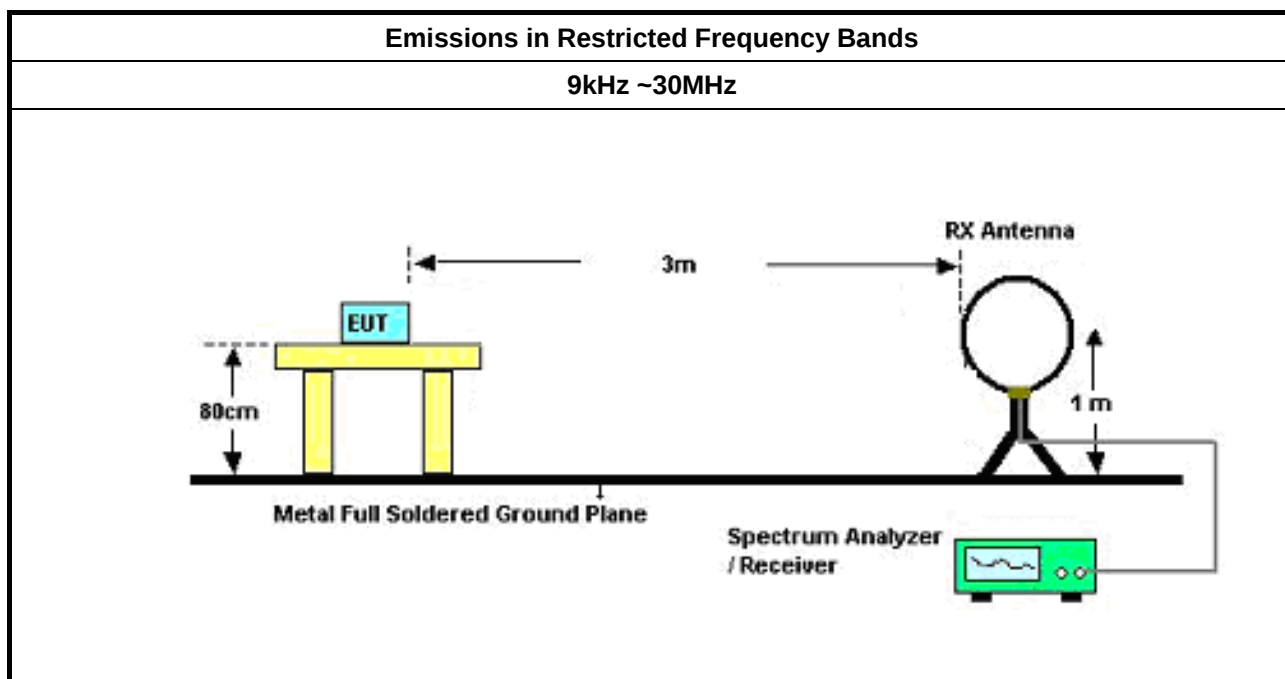
3.7.2 Measuring Instruments

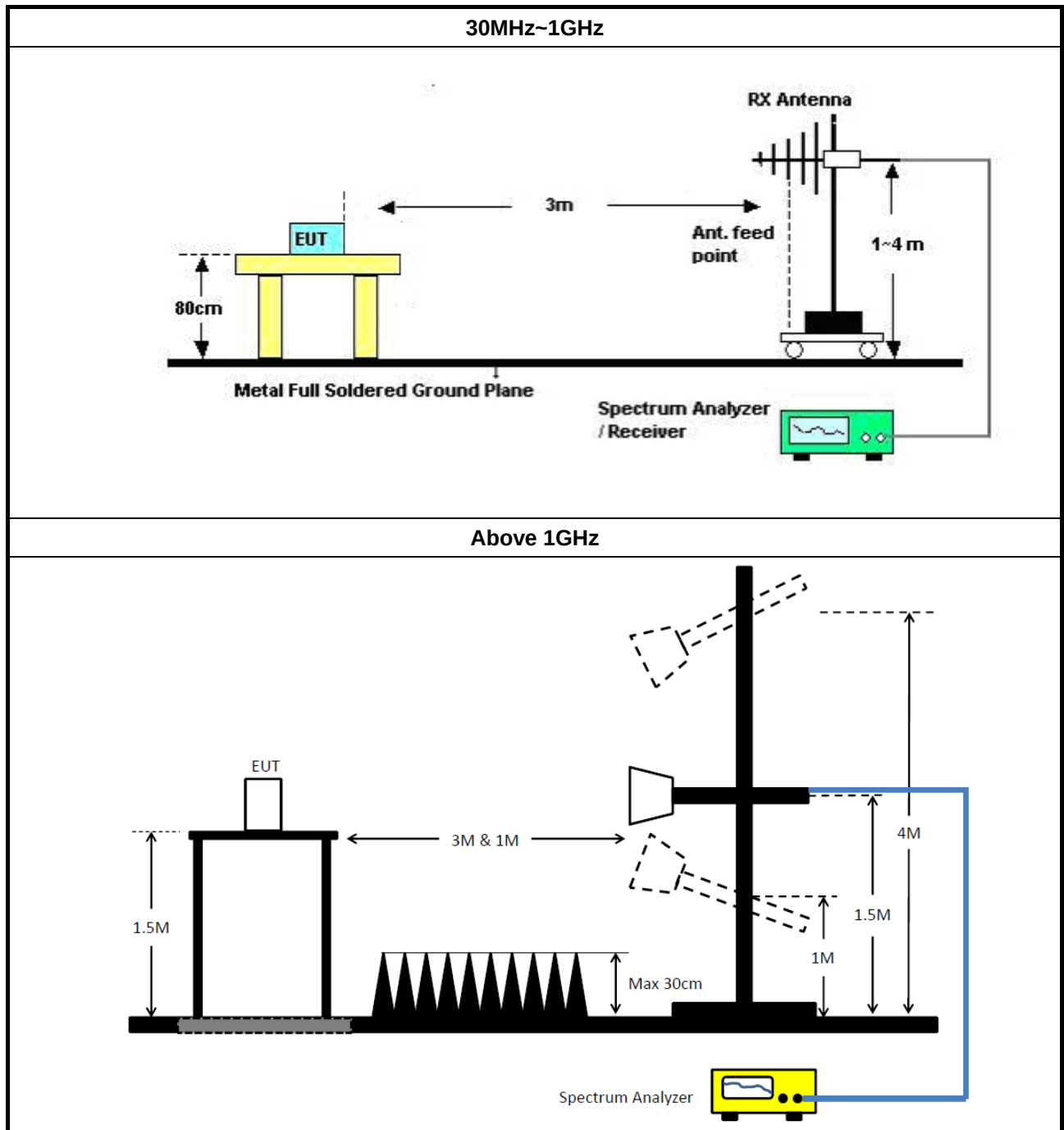
Refer a test equipment and calibration data table in this test report.

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 Test Setup





3.7.5 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.

3.7.6 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
EMC Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	05/Nov/2019	04/Nov/2020
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	23/Sep/2019	22/Sep/2020
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	24/Sep/2019	23/Sep/2020

NCR : Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101515	10Hz~40GHz	15/Feb/2020	14/Feb/2021
Pulse Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	25/Nov/2019	24/Nov/2020
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	25/Nov/2019	24/Nov/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	27/Mar/2020	26/Mar/2021
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	19/Mar/2020	18/Mar/2021
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz ~ 26.5GHz	15/Jul/2019	14/Jul/2020
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	14/Apr/2020	13/Apr/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	07/Aug/2019	06/Aug/2020
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	30/Sep/2019	29/Sep/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	28/May/2020	27May/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz-30MHz	16/Mar/2020	15/Mar/2021
RF Cable-low	Jye Bao	RG142	CB031+324530/4	9kHz ~ 1GHz	12/Feb/2020	11/Feb/2021
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	324530/4+17173/4	1GHz ~ 40GHz	12/Feb/2020	11/Feb/2021



Summary

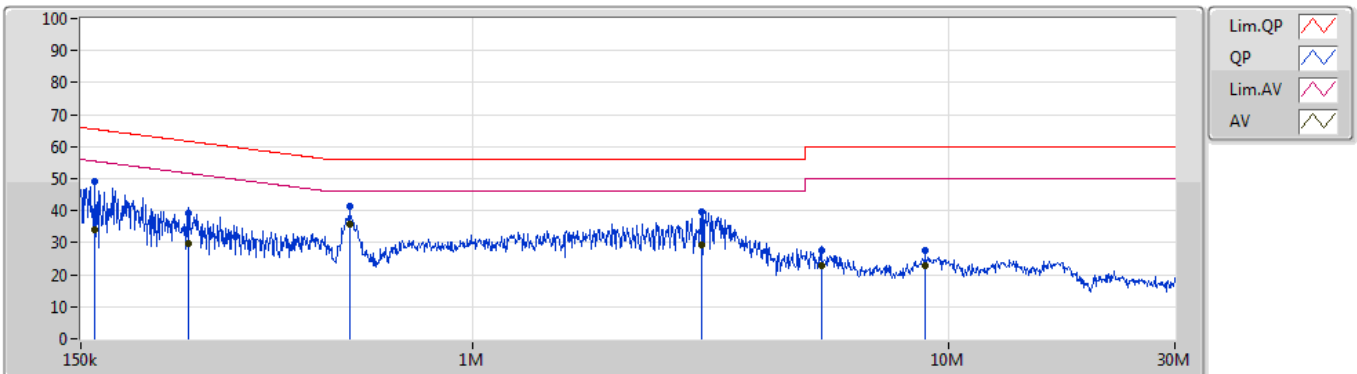
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	553.37k	35.91	46.00	-10.09	Line

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	159.893k	49.32	65.46	-16.14	Line	-
Mode 1	Pass	AV	159.893k	33.98	55.46	-21.48	Line	-
Mode 1	Pass	QP	252.043k	39.41	61.70	-22.29	Line	-
Mode 1	Pass	AV	252.043k	29.79	51.70	-21.91	Line	-
Mode 1	Pass	QP	553.37k	41.57	56.00	-14.43	Line	-
Mode 1	Pass	AV	553.37k	35.91	46.00	-10.09	Line	"Worst"
Mode 1	Pass	QP	3.031M	39.76	56.00	-16.24	Line	-
Mode 1	Pass	AV	3.031M	29.47	46.00	-16.53	Line	-
Mode 1	Pass	QP	5.407M	27.44	60.00	-32.56	Line	-
Mode 1	Pass	AV	5.407M	22.70	50.00	-27.30	Line	-
Mode 1	Pass	QP	8.977M	27.43	60.00	-32.57	Line	-
Mode 1	Pass	AV	8.977M	22.93	50.00	-27.07	Line	-
Mode 1	Pass	QP	154.251k	49.06	65.77	-16.71	Neutral	-
Mode 1	Pass	AV	154.251k	32.51	55.77	-23.26	Neutral	-
Mode 1	Pass	QP	258.152k	39.81	61.49	-21.68	Neutral	-
Mode 1	Pass	AV	258.152k	33.71	51.49	-17.78	Neutral	-
Mode 1	Pass	QP	517.062k	36.68	56.00	-19.32	Neutral	-
Mode 1	Pass	AV	517.062k	30.77	46.00	-15.23	Neutral	"Worst"
Mode 1	Pass	QP	1.483M	29.72	56.00	-26.28	Neutral	-
Mode 1	Pass	AV	1.483M	22.56	46.00	-23.44	Neutral	-
Mode 1	Pass	QP	3.296M	38.77	56.00	-17.23	Neutral	-
Mode 1	Pass	AV	3.296M	29.49	46.00	-16.51	Neutral	-
Mode 1	Pass	QP	10.119M	19.43	60.00	-40.57	Neutral	-
Mode 1	Pass	AV	10.119M	16.11	50.00	-33.89	Neutral	-

Conducted Emissions at Powerline_Mode 1

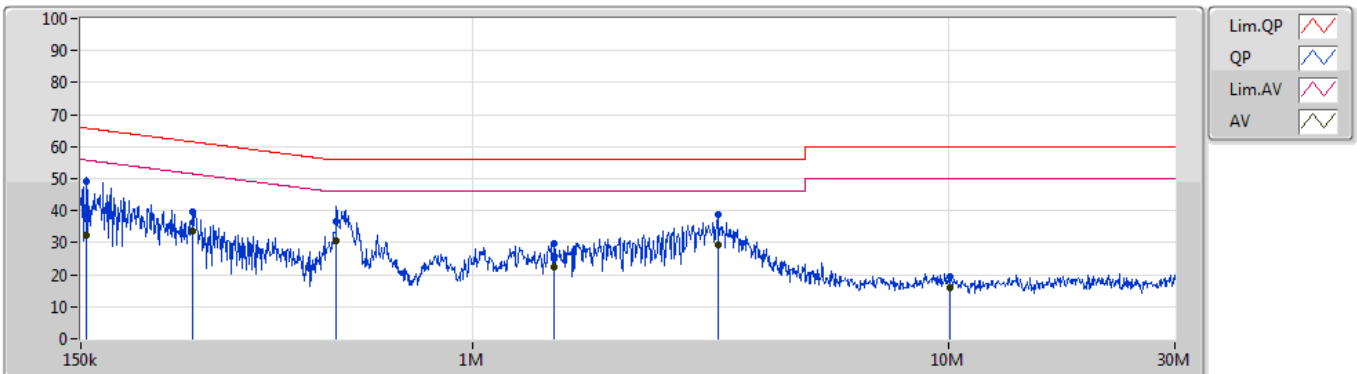
20/06/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	159.893k	49.32	65.46	-16.14	19.64	Line	-	29.68	9.66	0.11	9.87			
AV	159.893k	33.98	55.46	-21.48	19.64	Line	-	14.34	9.66	0.11	9.87			
QP	252.043k	39.41	61.70	-22.29	19.64	Line	-	19.77	9.65	0.12	9.87			
AV	252.043k	29.79	51.70	-21.91	19.64	Line	-	10.15	9.65	0.12	9.87			
QP	553.37k	41.56	56.00	-14.44	19.63	Line	-	21.93	9.64	0.12	9.87			
AV	553.37k	35.90	46.00	-10.10	19.63	Line	"Worst"	16.27	9.64	0.12	9.87			
QP	3.031M	39.75	56.00	-16.25	19.70	Line	-	20.05	9.66	0.16	9.88			
AV	3.031M	29.46	46.00	-16.54	19.70	Line	-	9.76	9.66	0.16	9.88			
QP	5.407M	27.44	60.00	-32.56	19.76	Line	-	7.68	9.67	0.21	9.88			
AV	5.407M	22.70	50.00	-27.30	19.76	Line	-	2.94	9.67	0.21	9.88			
QP	8.977M	27.43	60.00	-32.57	19.83	Line	-	7.60	9.69	0.26	9.88			
AV	8.977M	22.93	50.00	-27.07	19.83	Line	-	3.10	9.69	0.26	9.88			

Conducted Emissions at Powerline_Mode 1

20/06/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	154.251k	49.06	65.77	-16.71	19.63	Neutral	-	29.43	9.65	0.11	9.87			
AV	154.251k	32.51	55.77	-23.26	19.63	Neutral	-	12.88	9.65	0.11	9.87			
QP	258.152k	39.81	61.49	-21.68	19.63	Neutral	-	20.18	9.64	0.12	9.87			
AV	258.152k	33.71	51.49	-17.78	19.63	Neutral	-	14.08	9.64	0.12	9.87			
QP	517.062k	36.67	56.00	-19.33	19.62	Neutral	-	17.05	9.63	0.12	9.87			
AV	517.062k	30.76	46.00	-15.24	19.62	Neutral	"Worst"	11.14	9.63	0.12	9.87			
QP	1.483M	29.72	56.00	-26.28	19.64	Neutral	-	10.08	9.64	0.13	9.87			
AV	1.483M	22.56	46.00	-23.44	19.64	Neutral	-	2.92	9.64	0.13	9.87			
QP	3.296M	38.76	56.00	-17.24	19.71	Neutral	-	19.05	9.66	0.17	9.88			
AV	3.296M	29.48	46.00	-16.52	19.71	Neutral	-	9.77	9.66	0.17	9.88			
QP	10.119M	19.43	60.00	-40.57	19.85	Neutral	-	-0.42	9.70	0.27	9.88			
AV	10.119M	16.11	50.00	-33.89	19.85	Neutral	-	-3.74	9.70	0.27	9.88			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-BR(1Mbps)	940k	883.558k	884KF1D	936.25k	882.559k
BT-EDR(2Mbps)	1.309M	1.184M	1M18G1D	1.305M	1.183M
BT-EDR(3Mbps)	1.258M	1.196M	1M20G1D	1.254M	1.193M

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

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

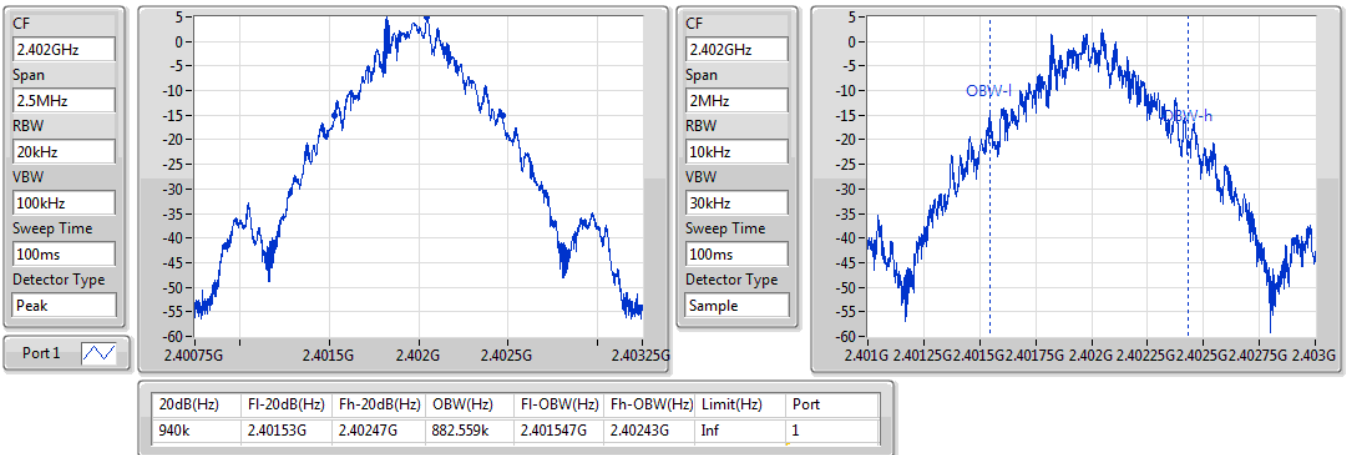
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	940k	882.559k
2440MHz	Pass	Inf	938.75k	883.558k
2480MHz	Pass	Inf	936.25k	882.559k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.309M	1.183M
2440MHz	Pass	Inf	1.305M	1.183M
2480MHz	Pass	Inf	1.308M	1.184M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.254M	1.196M
2440MHz	Pass	Inf	1.256M	1.193M
2480MHz	Pass	Inf	1.258M	1.196M

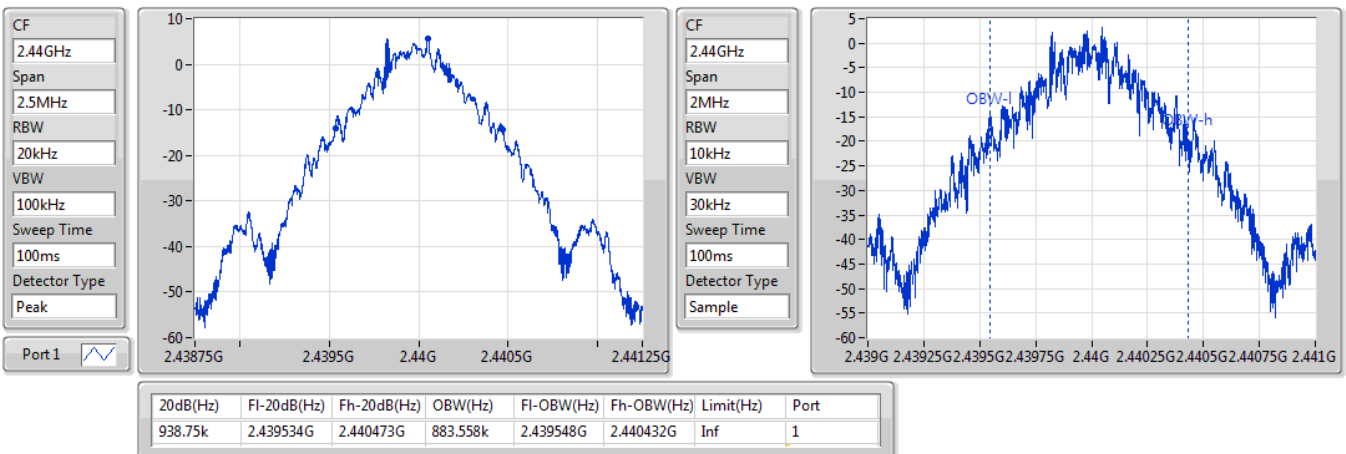
Port X-N dB = Port X 20dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

BT-BR(1Mbps)
EBW
2402MHz

18/06/2020

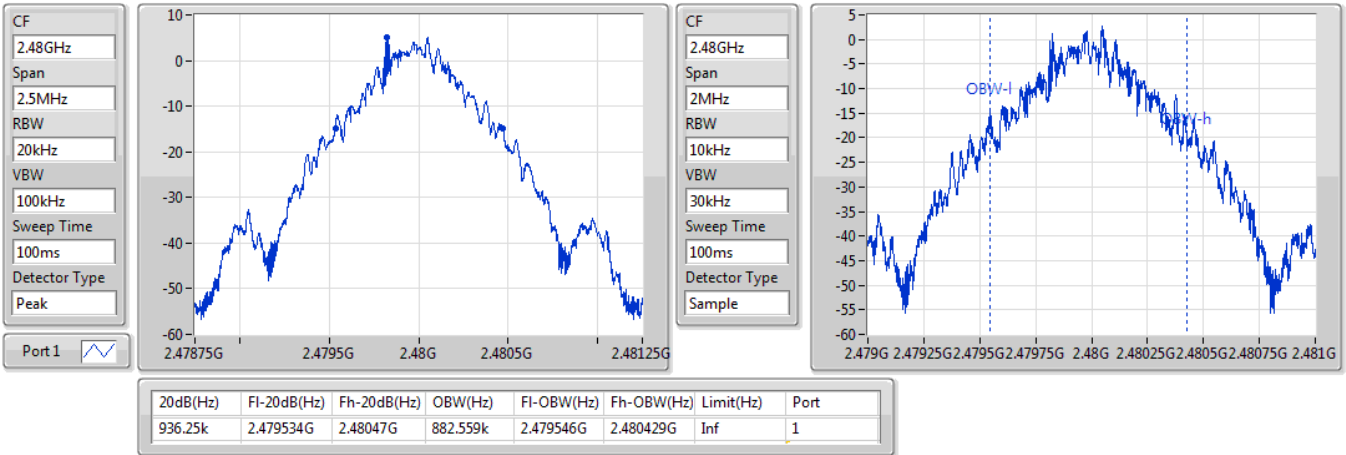

BT-BR(1Mbps)
EBW
2440MHz

18/06/2020

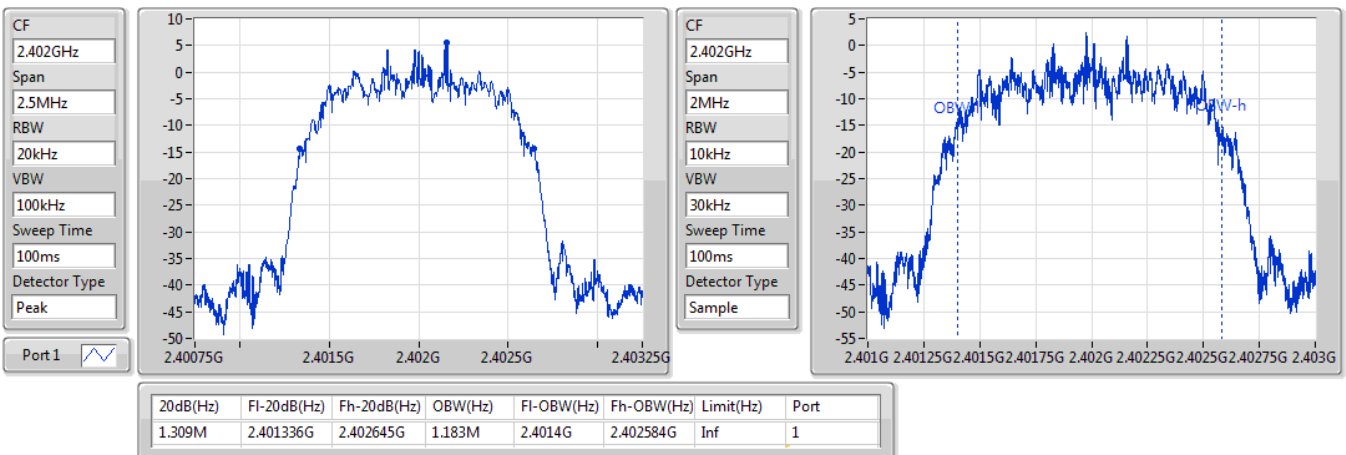


BT-BR(1Mbps)
EBW
2480MHz

18/06/2020

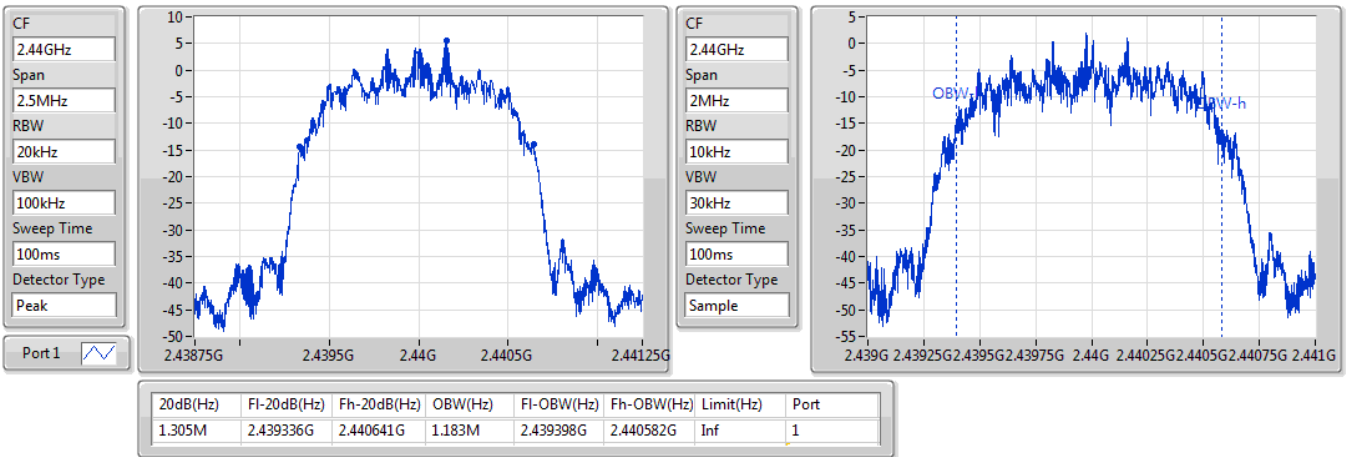

BT-EDR(2Mbps)
EBW
2402MHz

18/06/2020

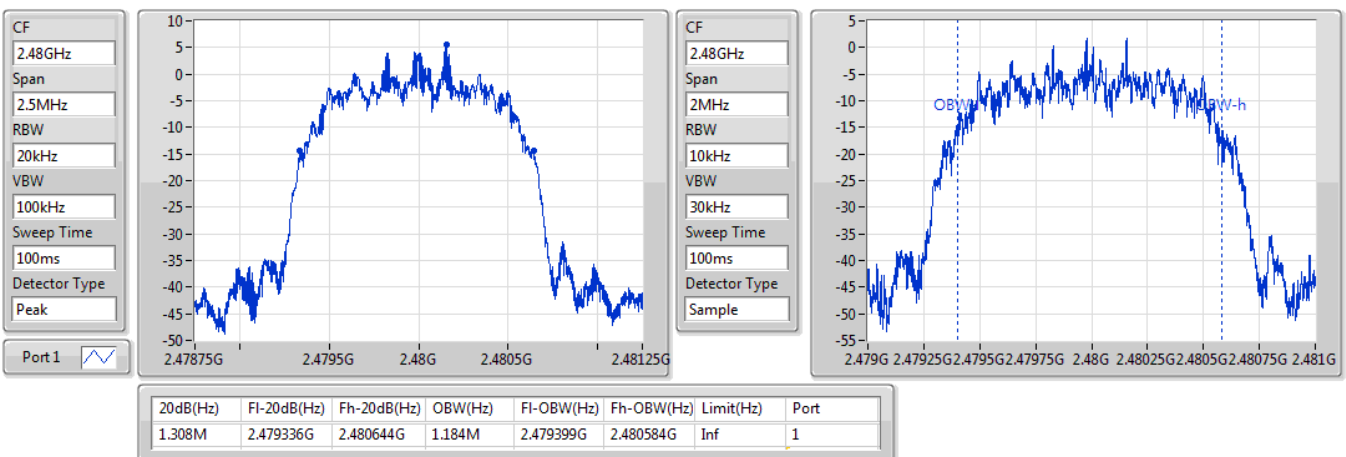


BT-EDR(2Mbps)
EBW
2440MHz

18/06/2020

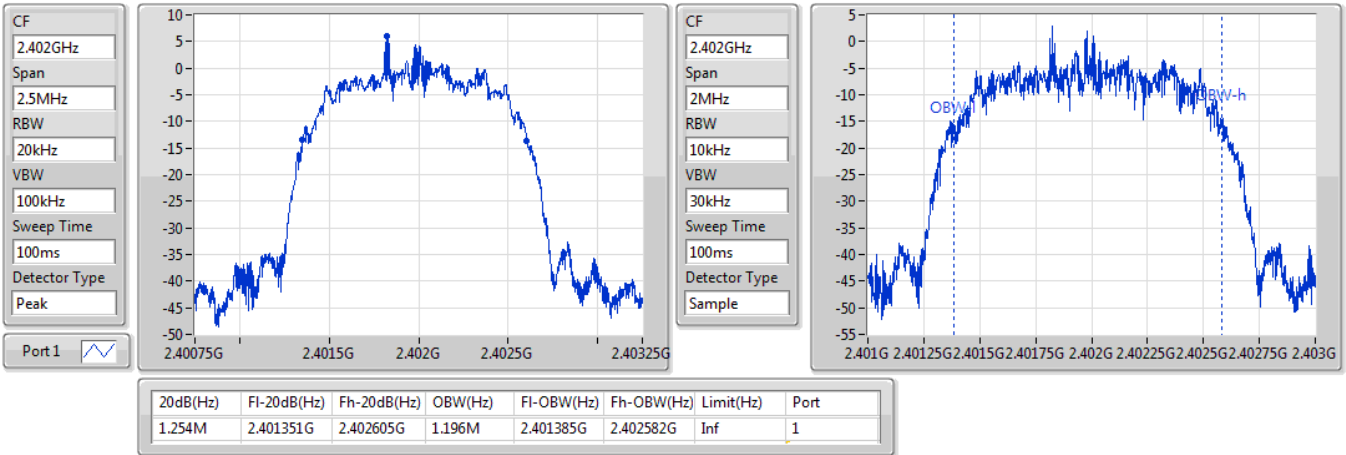

BT-EDR(2Mbps)
EBW
2480MHz

18/06/2020

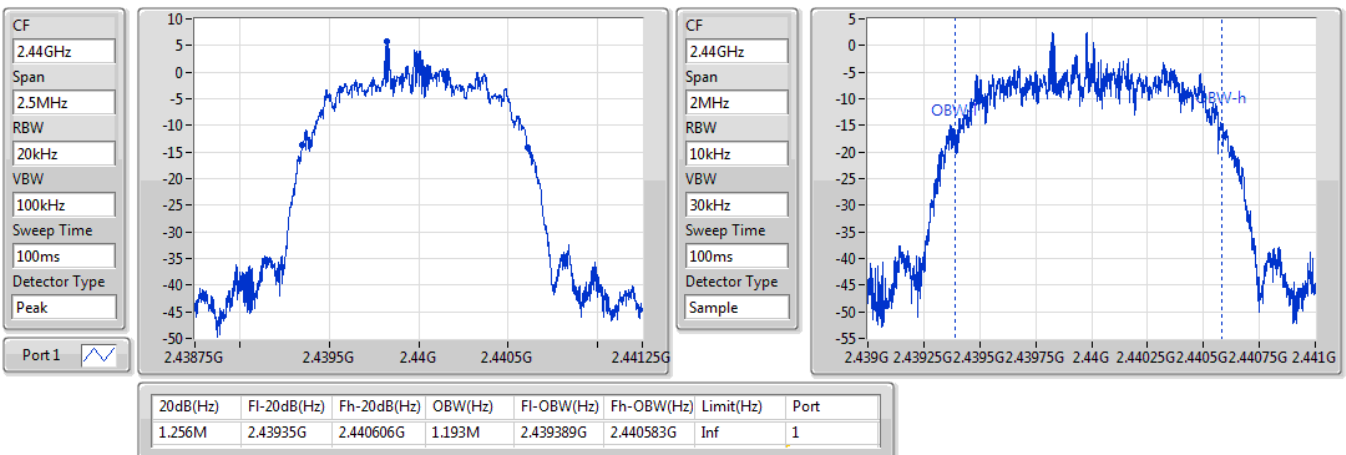


BT-EDR(3Mbps)
EBW
2402MHz

18/06/2020


BT-EDR(3Mbps)
EBW
2440MHz

18/06/2020

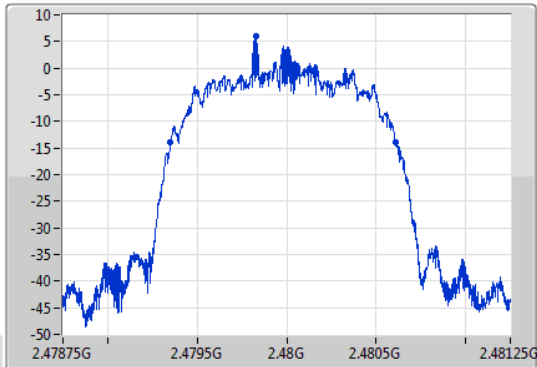


BT-EDR(3Mbps)

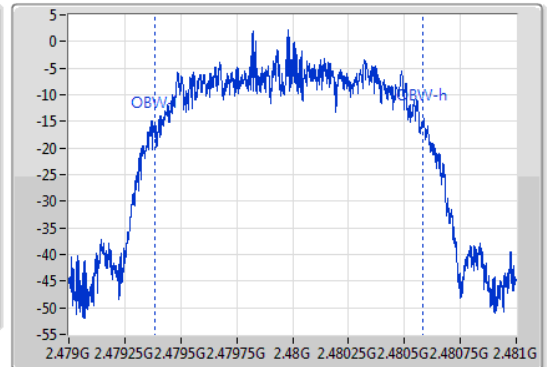
2480MHz

18/06/2020

CF
2.48GHz
Span
2.5MHz
RBW
20kHz
VBW
100kHz
Sweep Time
100ms
Detector Type
Peak
Port 1



CF
2.48GHz
Span
2MHz
RBW
10kHz
VBW
30kHz
Sweep Time
100ms
Detector Type
Sample



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.258M	2.47935G	2.480608G	1.196M	2.479386G	2.480583G	Inf	1



Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.002M	996k
BT-EDR(2Mbps)	1.0035M	997.5k
BT-EDR(3Mbps)	1.002M	999k

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.401827G	2.402826G	999k	624.375k
2440MHz	Pass	2.439825G	2.440827G	1.002M	624.375k
2480MHz	Pass	2.478828G	2.479824G	996k	625.2075k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402157G	2.403159G	1.002M	887.778k
2440MHz	Pass	2.440157G	2.44116G	1.0035M	885.78k
2480MHz	Pass	2.479155G	2.480153G	997.5k	884.448k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.40183G	2.40283G	1.0005M	865.8k
2440MHz	Pass	2.43983G	2.440829G	999k	841.158k
2480MHz	Pass	2.478827G	2.479829G	1.002M	854.478k

BT-BR(1Mbps)

2.402G/2.403GHz

Channel Separation

17/06/2020



BT-BR(1Mbps)

2.44G/2.441GHz

Channel Separation

17/06/2020



BT-BR(1Mbps)

2.48G/2.479GHz

Channel Separation

17/06/2020

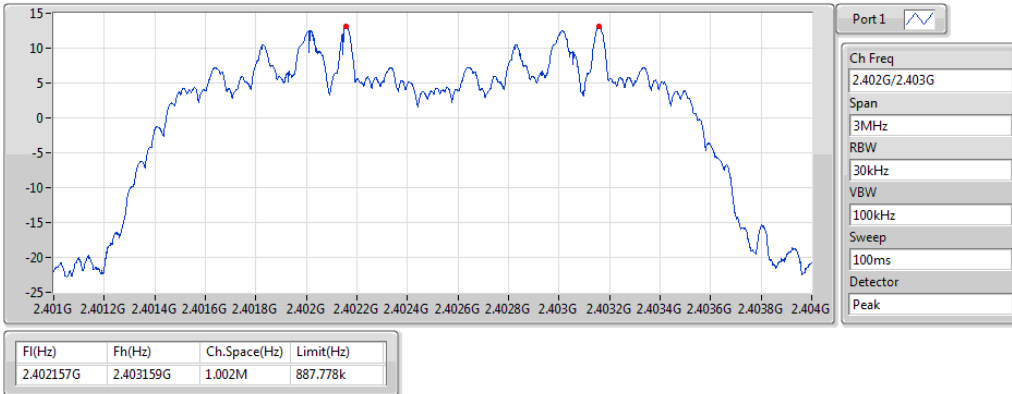


BT-EDR(2Mbps)

2.402G/2.403GHz

Channel Separation

17/06/2020

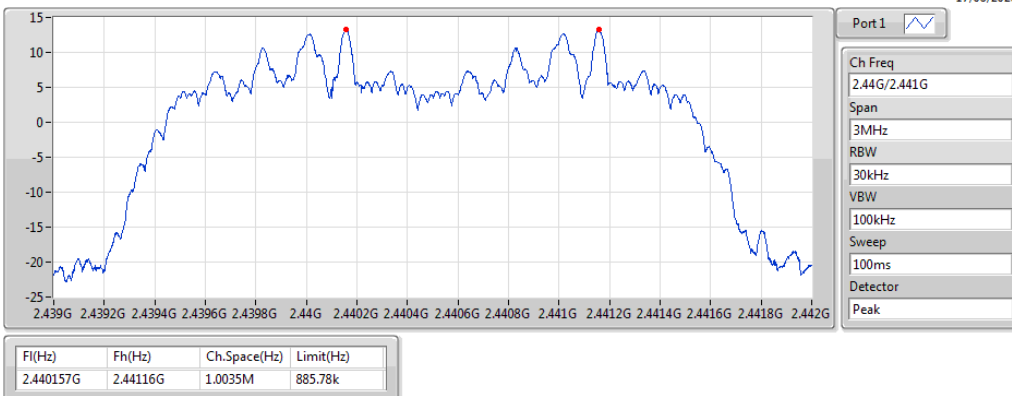


BT-EDR(2Mbps)

2.44G/2.441GHz

Channel Separation

17/06/2020

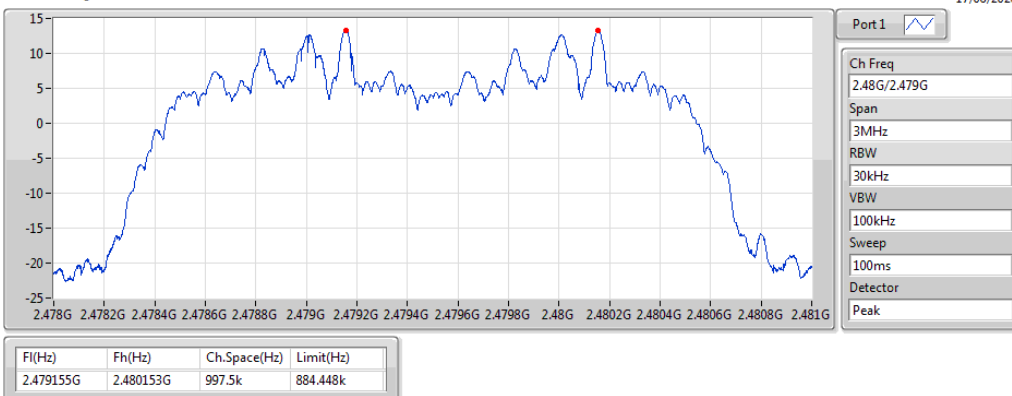


BT-EDR(2Mbps)

2.48G/2.479GHz

Channel Separation

17/06/2020

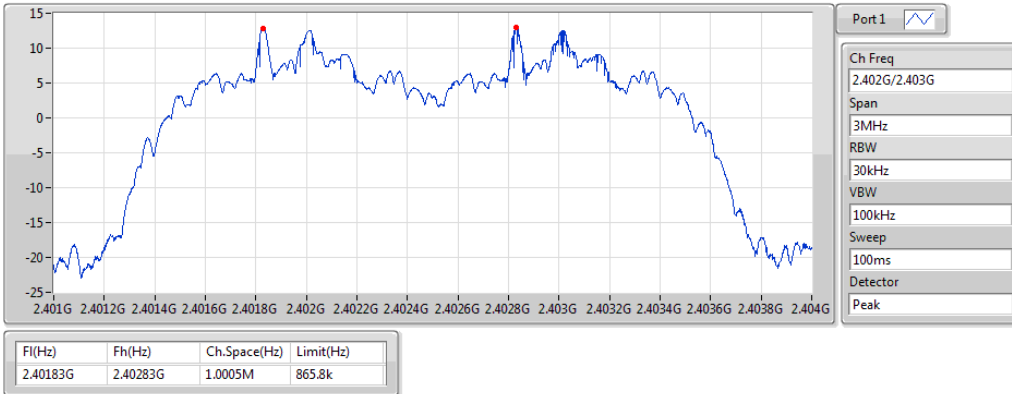


BT-EDR(3Mbps)

2.402G/2.403GHz

Channel Separation

17/06/2020



BT-EDR(3Mbps)

2.44G/2.441GHz

Channel Separation

17/06/2020

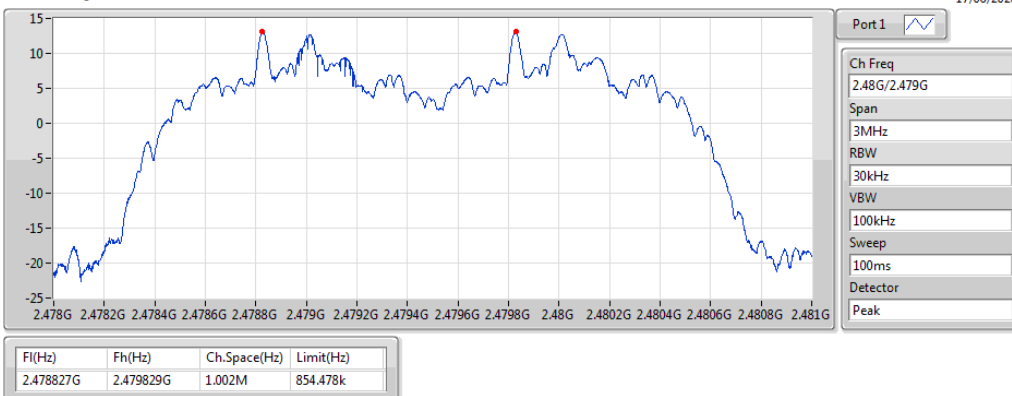


BT-EDR(3Mbps)

2.48G/2.479GHz

Channel Separation

17/06/2020





Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	9.73	0.00940
BT-EDR(2Mbps)	11.51	0.01416
BT-EDR(3Mbps)	12.10	0.01622

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	-1.20	9.29	21.00
2440MHz	Pass	-1.20	9.73	21.00
2480MHz	Pass	-1.20	9.11	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	-1.20	11.51	21.00
2440MHz	Pass	-1.20	11.43	21.00
2480MHz	Pass	-1.20	11.51	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	-1.20	11.95	21.00
2440MHz	Pass	-1.20	12.02	21.00
2480MHz	Pass	-1.20	12.10	21.00

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



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	9.09	0.00811
BT-EDR(2Mbps)	9.01	0.00796
BT-EDR(3Mbps)	9.11	0.00815

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	-1.20	8.92	21.00
2440MHz	Pass	-1.20	9.09	21.00
2480MHz	Pass	-1.20	8.95	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	-1.20	9.01	21.00
2440MHz	Pass	-1.20	8.95	21.00
2480MHz	Pass	-1.20	8.97	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	-1.20	9.11	21.00
2440MHz	Pass	-1.20	9.06	21.00
2480MHz	Pass	-1.20	9.02	21.00

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



Summary

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

Result

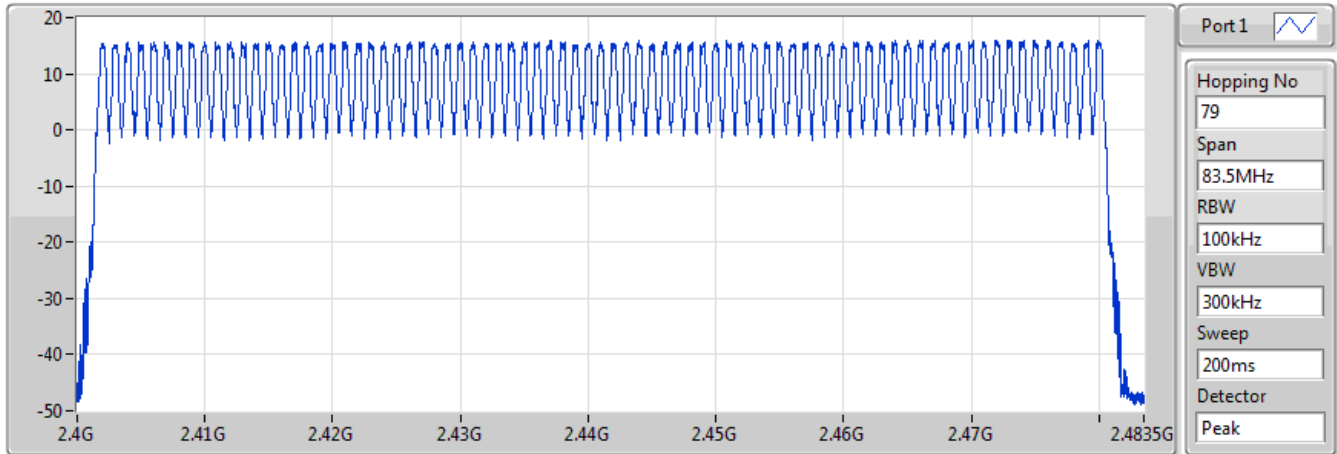
Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2440MHz	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2440MHz	Pass	79	15

BT-BR(1Mbps)

2440MHz

Hopping Ch

17/06/2020



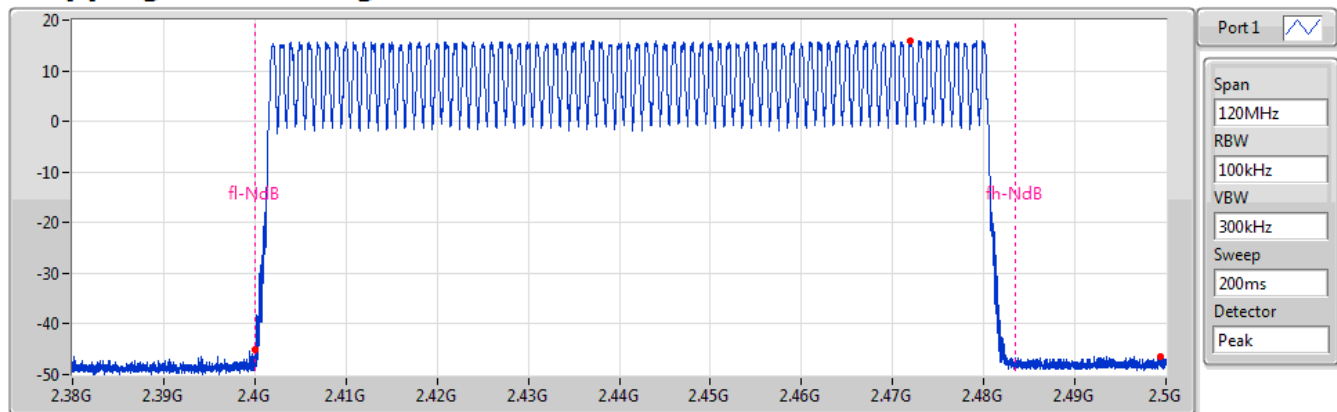
Hopping No	Limit
79	15

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

17/06/2020



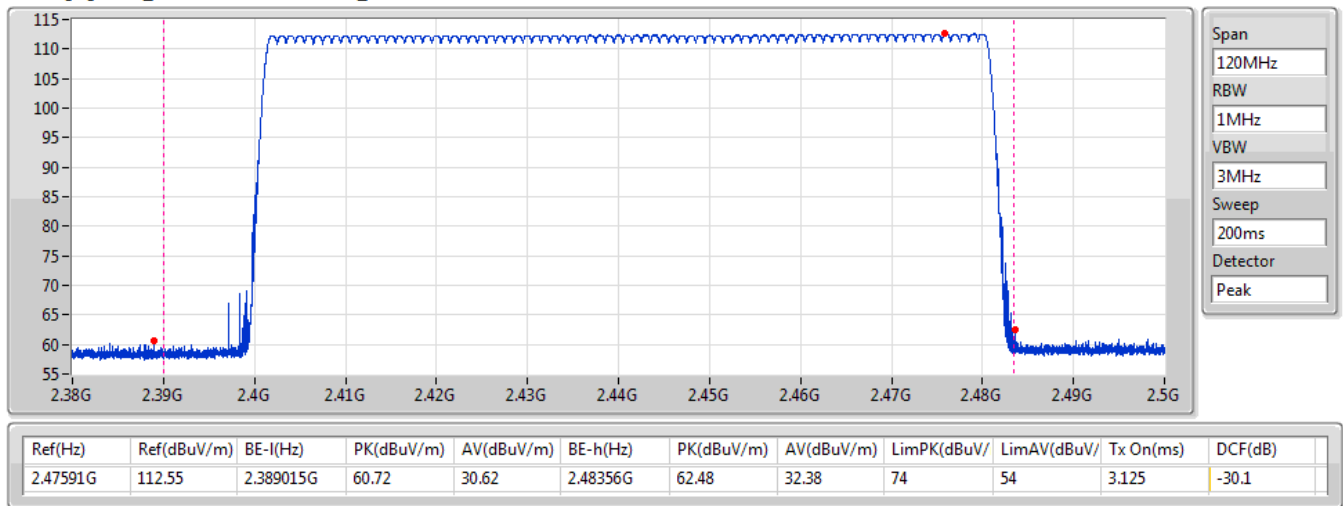
Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-4.03	2.47201G	15.97	2.399965G	-44.98	2.499325G	-46.39

BT-BR(1Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

17/06/2020

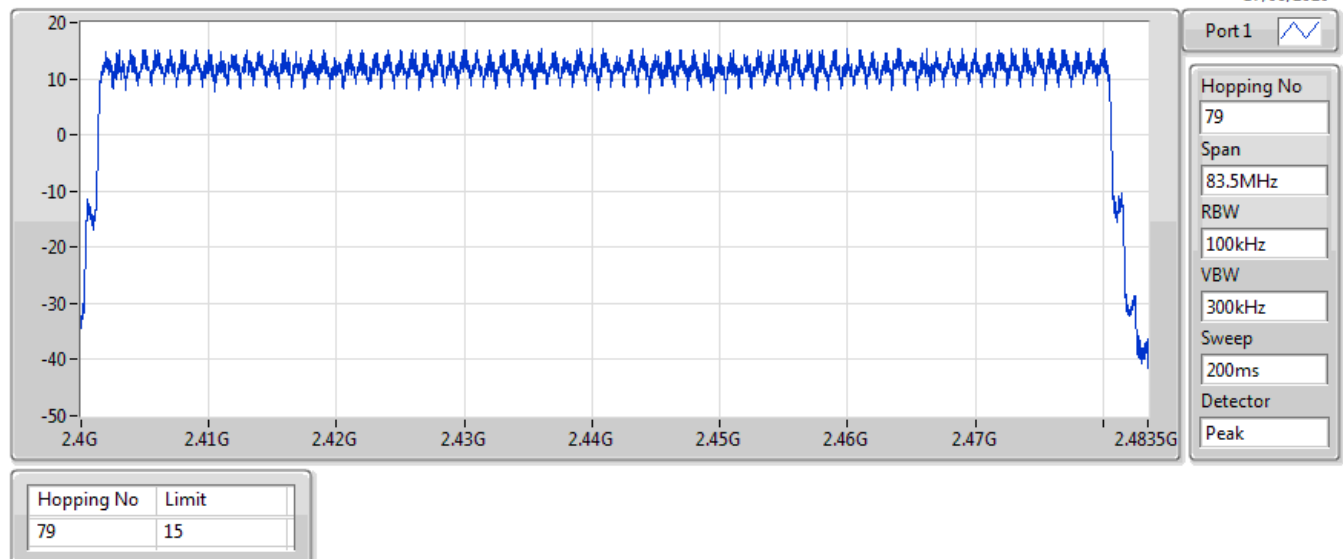


BT-EDR(2Mbps)

2440MHz

Hopping Ch

17/06/2020

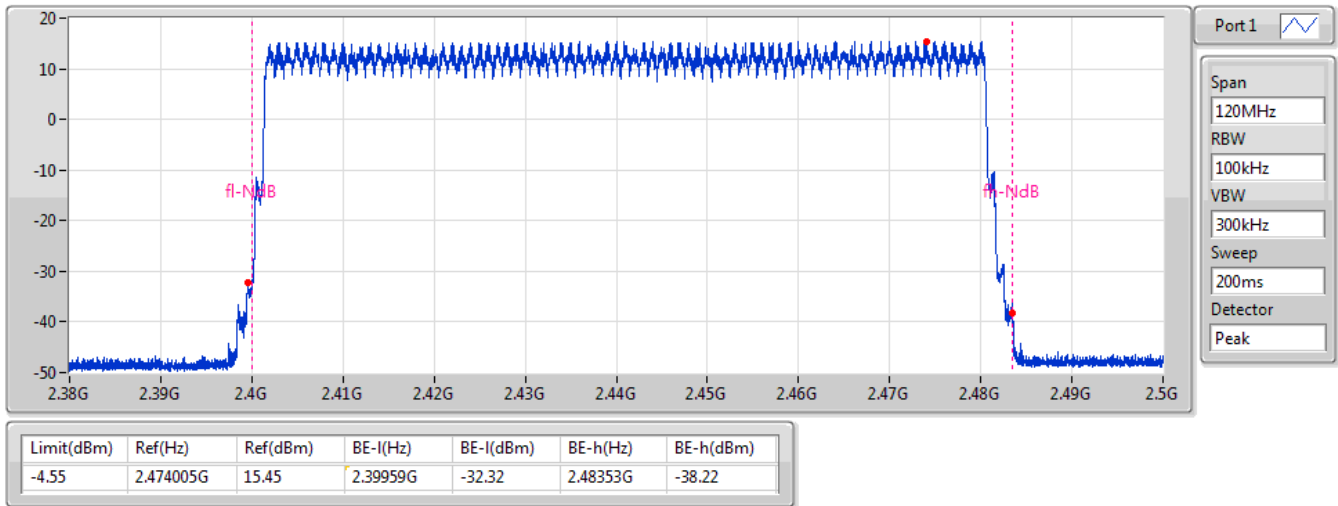


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Non-restricted Band)

17/06/2020

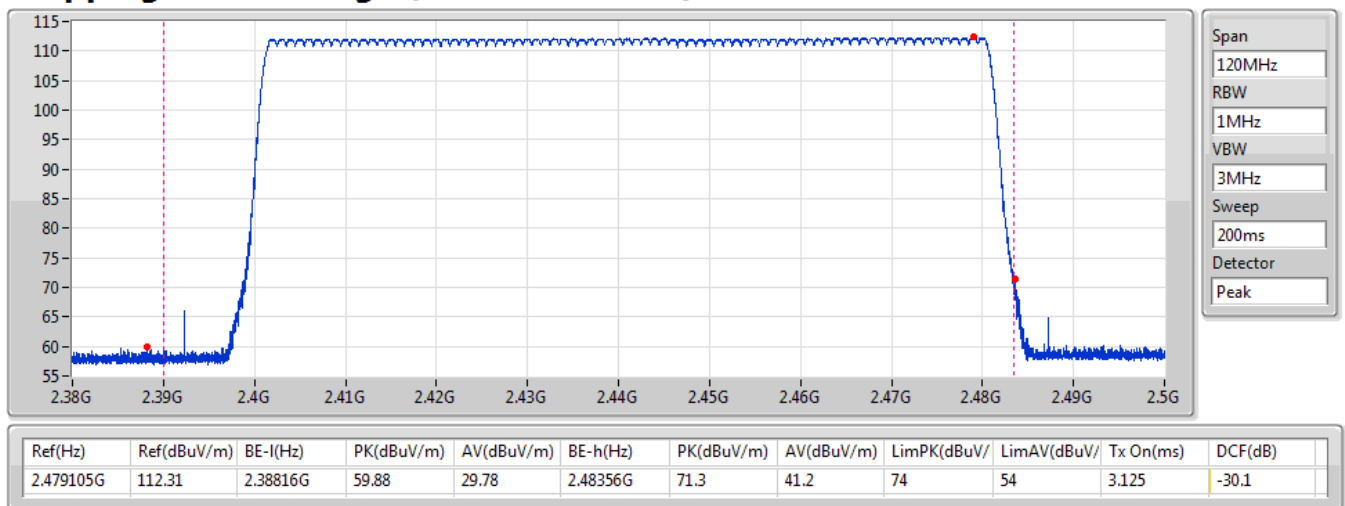


BT-EDR(2Mbps)

2440MHz

Hopping Ch Bandedge (Restricted Band)

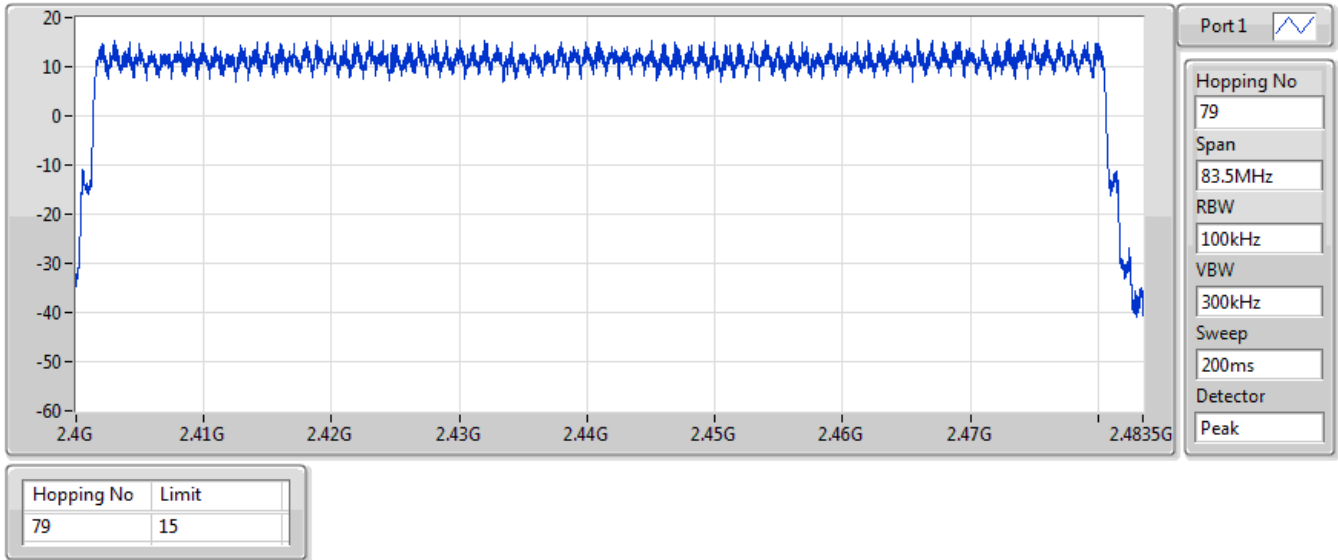
17/06/2020



BT-EDR(3Mbps) 2440MHz

Hopping Ch

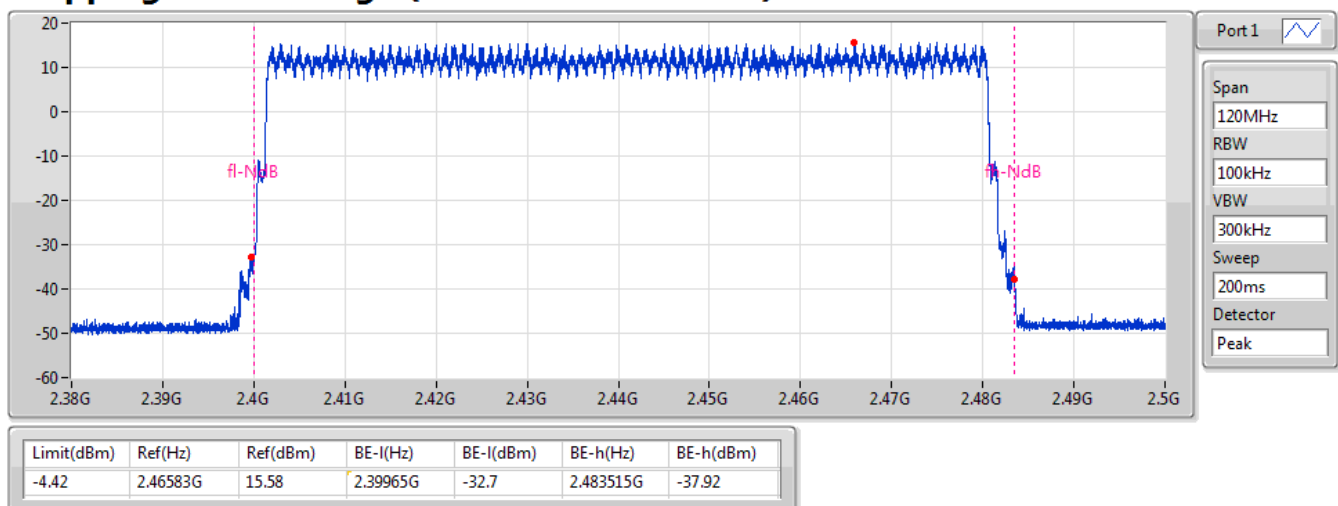
17/06/2020



BT-EDR(3Mbps) 2440MHz

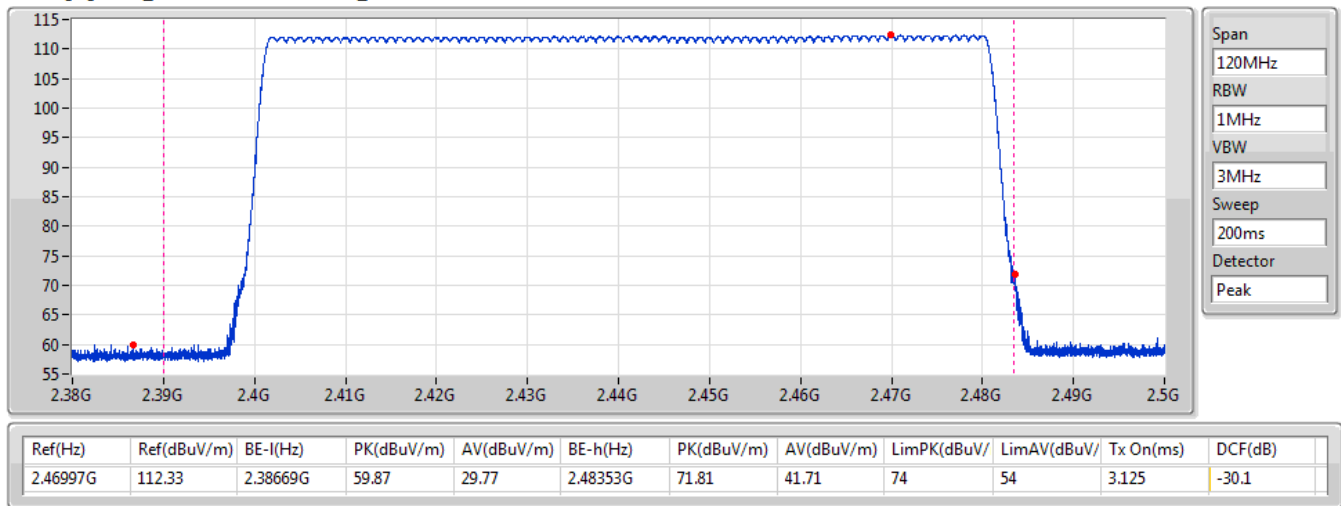
Hopping Ch Bandedge (Non-restricted Band)

17/06/2020



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

17/06/2020



Summary

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	307.6476m
BT-EDR(2Mbps)	308.20725m
BT-EDR(3Mbps)	309.8329m

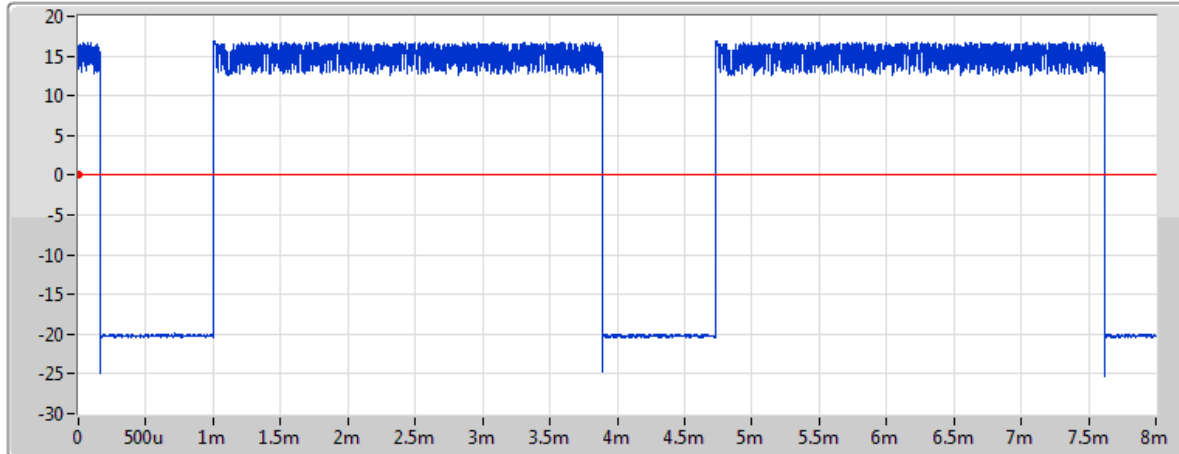
Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	307.6476m	400m	2.886m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	308.20725m	400m	2.89125m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.8329m	400m	2.9065m

BT-BR(1Mbps)

2440MHz

17/06/2020



Port1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.886ms

non AFH Mode

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	307.6476m	400m	2.886m

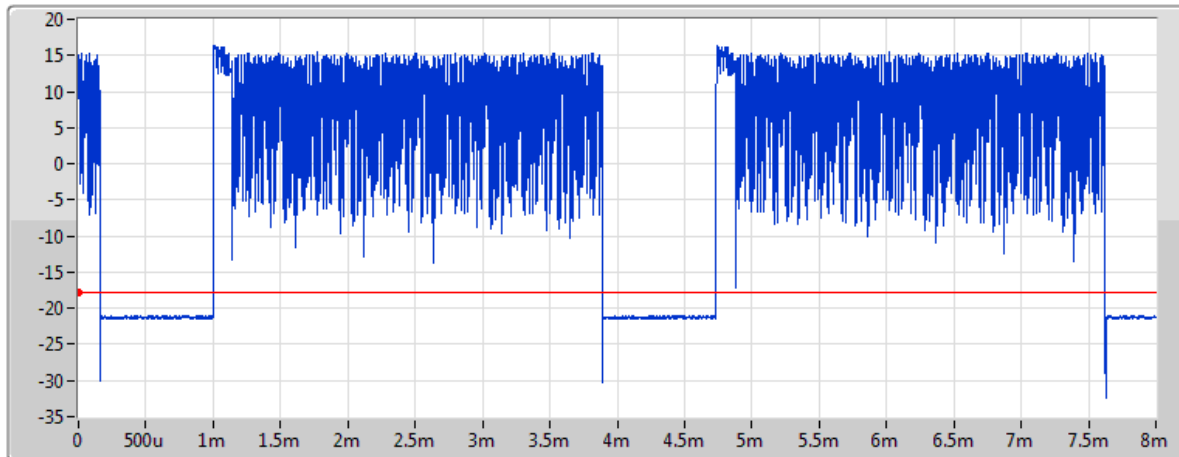
AFH Mode

Period(s)	Dwell(s)	Limit(s)	Tx On(s)

BT-EDR(2Mbps)

2440MHz

17/06/2020



Port1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.89125ms

non AFH Mode

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.20725m	400m	2.89125m

AFH Mode

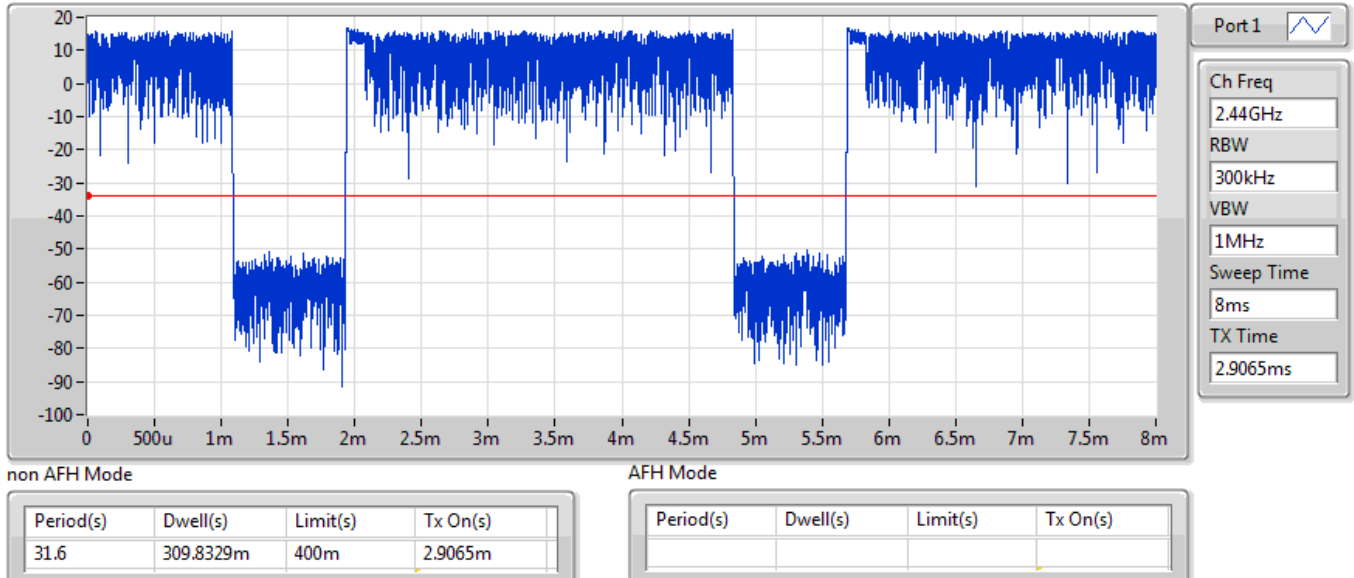
Period(s)	Dwell(s)	Limit(s)	Tx On(s)

BT-EDR(3Mbps)

2440MHz

Dwell

17/06/2020



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	2.48016G	5.71	-14.29	2.17144G	-55.06	2.39164G	-54.14	2.4835G	-56.01	2.49708G	-53.40	23.26777G	-43.07	1
BT-EDR(2Mbps)	Pass	2.40184G	6.61	-13.39	2.18524G	-54.99	2.39966G	-48.71	2.4G	-51.03	2.48412G	-53.42	21.5271G	-43.41	1
BT-EDR(3Mbps)	Pass	2.40213G	6.73	-13.27	2.30656G	-54.81	2.39987G	-48.49	2.4G	-47.69	2.49172G	-53.61	23.51804G	-43.48	1

Result

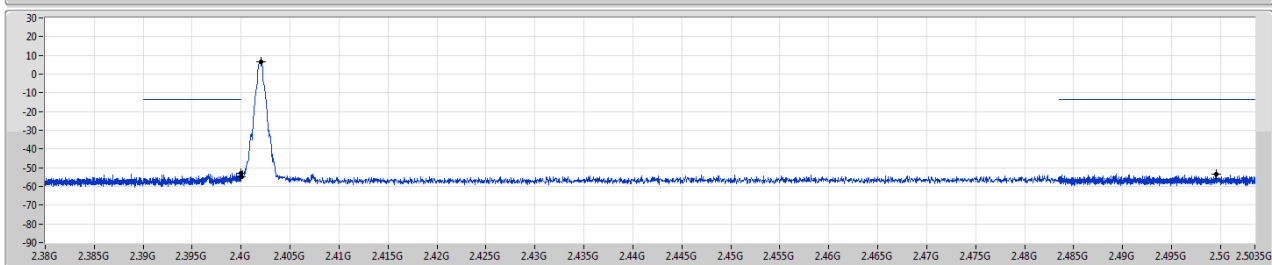
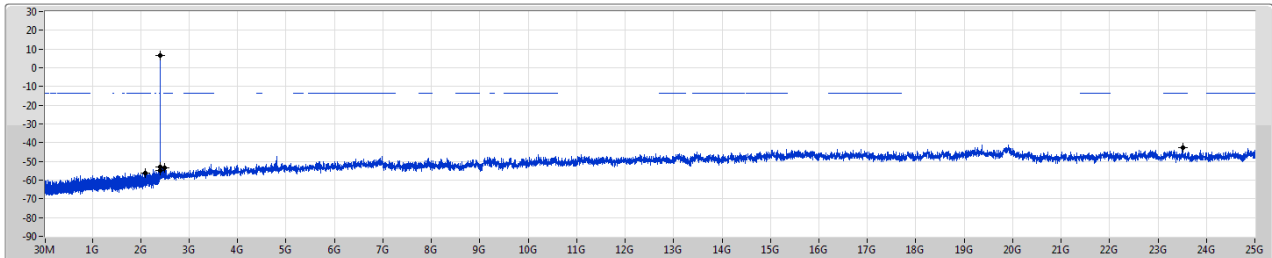
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402G	6.36	-13.64	2.10211G	-56.31	2.39998G	-52.94	2.4G	-55.05	2.49952G	-53.30	23.50679G	-42.89	1
2440MHz	Pass	2.44G	6.85	-13.15	2.13971G	-55.55	2.39242G	-54.54	2.4835G	-54.65	2.49379G	-53.05	24.20137G	-43.41	1
2480MHz	Pass	2.48016G	5.71	-14.29	2.17144G	-55.06	2.39164G	-54.14	2.4835G	-56.01	2.49708G	-53.40	23.26777G	-43.07	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40184G	6.61	-13.39	2.18524G	-54.99	2.39966G	-48.71	2.4G	-51.03	2.48412G	-53.42	21.5271G	-43.41	1
2440MHz	Pass	2.44G	7.29	-12.71	2.09829G	-54.66	2.39515G	-54.51	2.4835G	-55.48	2.486G	-52.30	23.23402G	-43.09	1
2480MHz	Pass	2.48008G	5.68	-14.32	1.99401G	-56.26	2.3977G	-54.61	2.4835G	-54.12	2.48604G	-53.18	23.52929G	-42.62	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.40213G	6.73	-13.27	2.30656G	-54.81	2.39987G	-48.49	2.4G	-47.69	2.49172G	-53.61	23.51804G	-43.48	1
2440MHz	Pass	2.44016G	7.19	-12.81	2.13354G	-55.11	2.39665G	-52.80	2.4835G	-55.18	2.49001G	-53.29	15.03124G	-43.47	1
2480MHz	Pass	2.47987G	5.80	-14.20	2.08038G	-55.19	2.39264G	-54.54	2.4835G	-55.59	2.49646G	-52.84	16.24043G	-42.73	1

BT-BR(1Mbps)

2402MHz

CSE NdB

18/06/2020



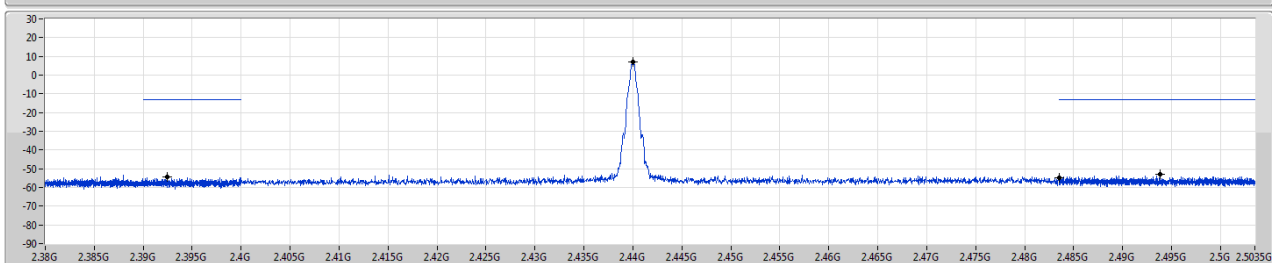
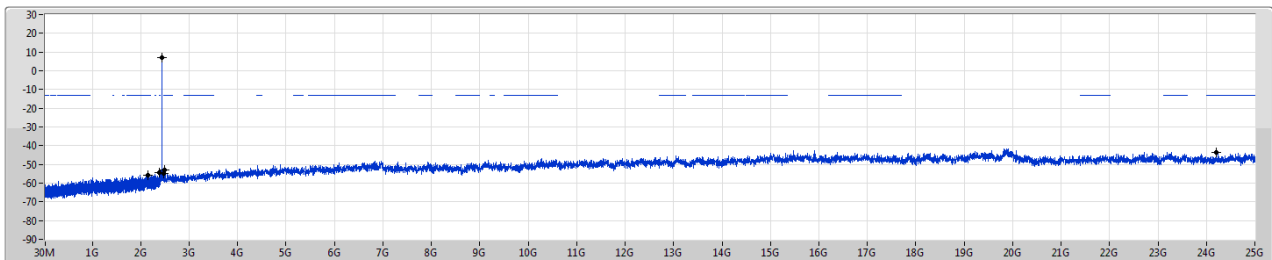
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2402G	6.36	-13.64	210211G	-56.31	2.39998G	-52.94	2.4G	-55.05	2.49952G	-53.30	23.50679G	-42.89	1

BT-BR(1Mbps)

2440MHz

CSE NdB

18/06/2020



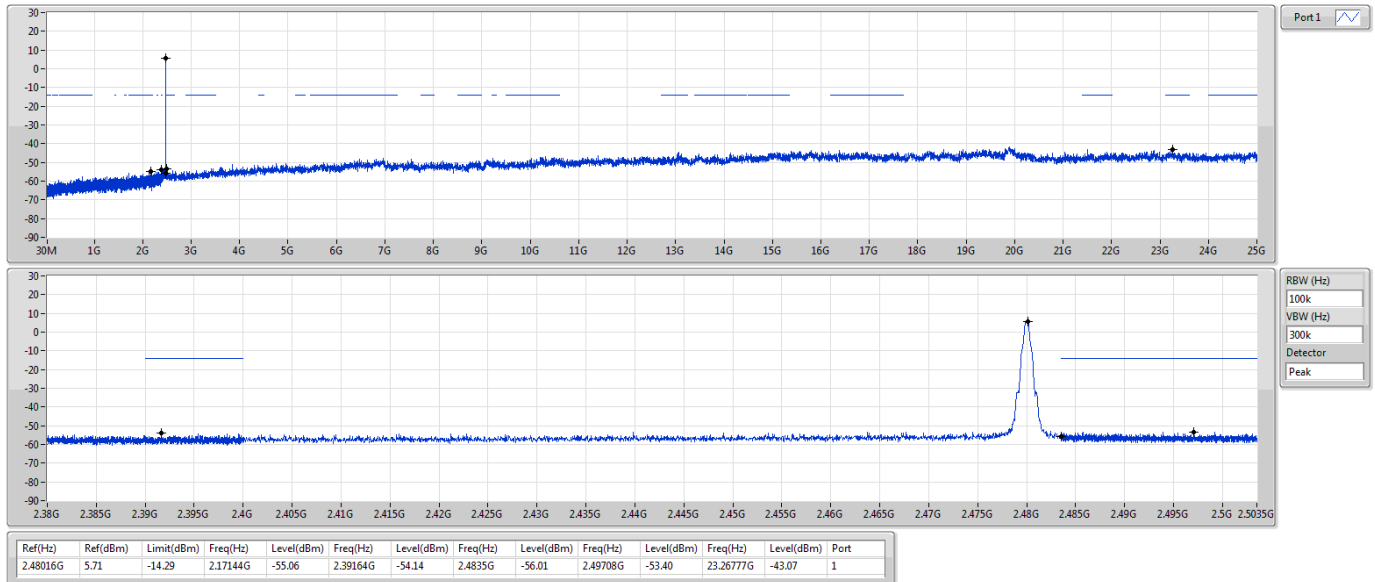
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
244G	6.85	-13.15	213971G	-55.55	2.39242G	-54.54	2.4835G	-54.65	2.49379G	-53.05	24.20137G	-43.41	1

BT-BR(1Mbps)

2480MHz

CSE NdB

18/06/2020

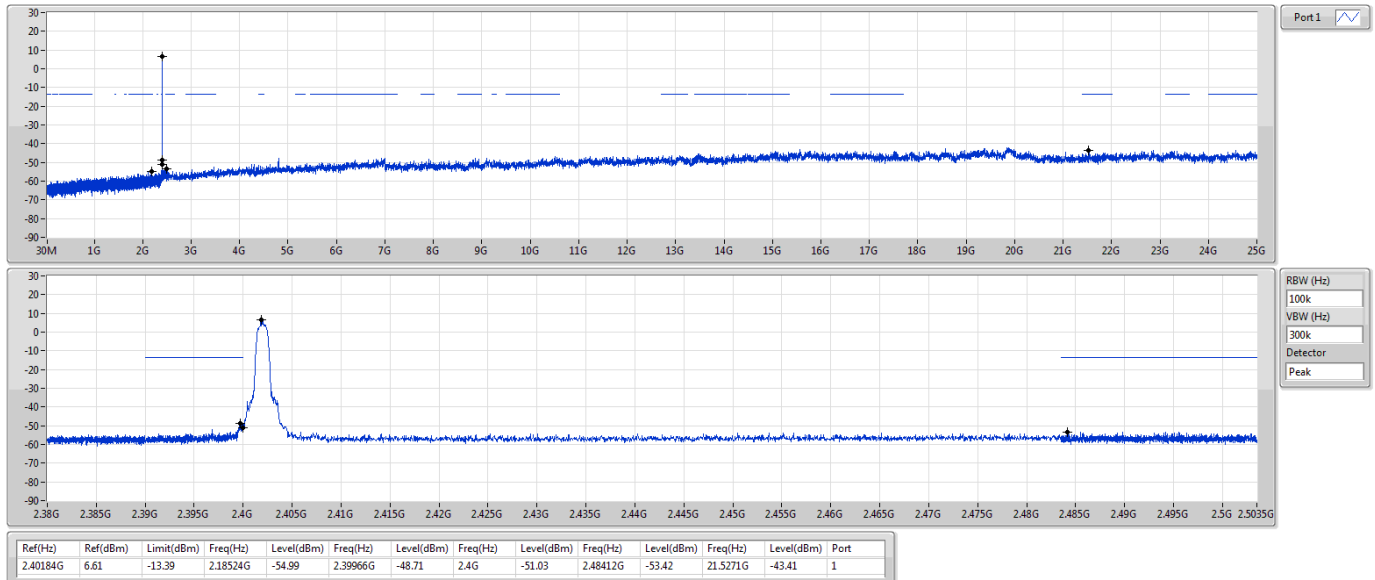


BT-EDR(2Mbps)

2402MHz

CSE NdB

18/06/2020

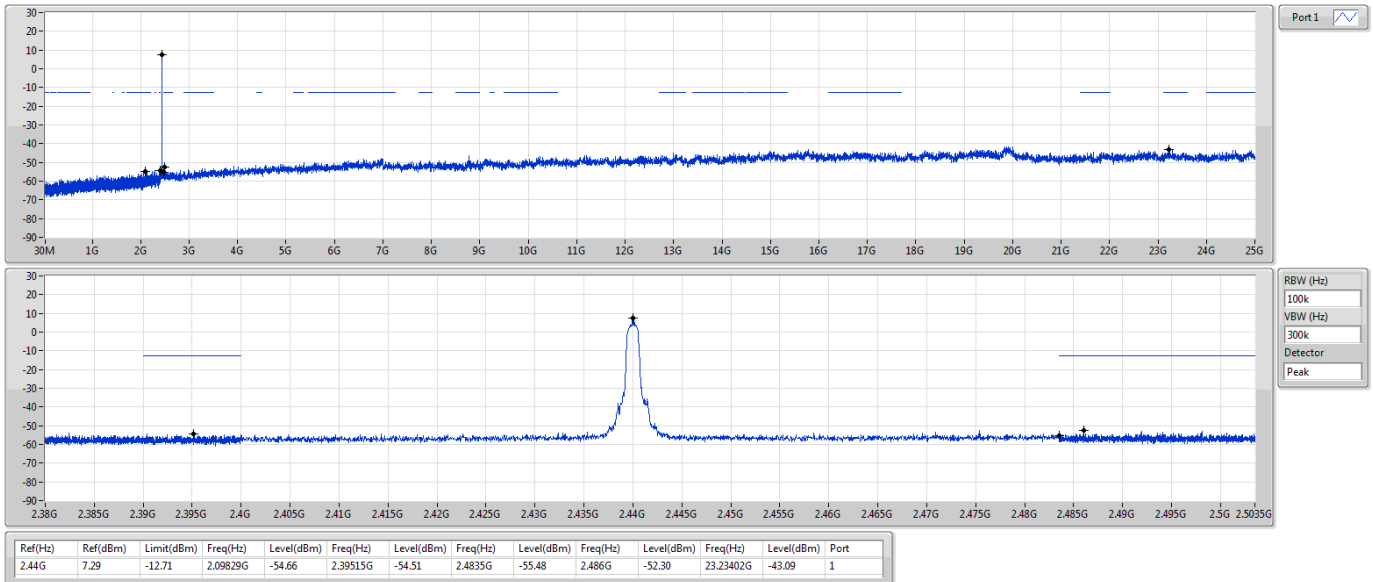


BT-EDR(2Mbps)

2440MHz

CSE NdB

18/06/2020

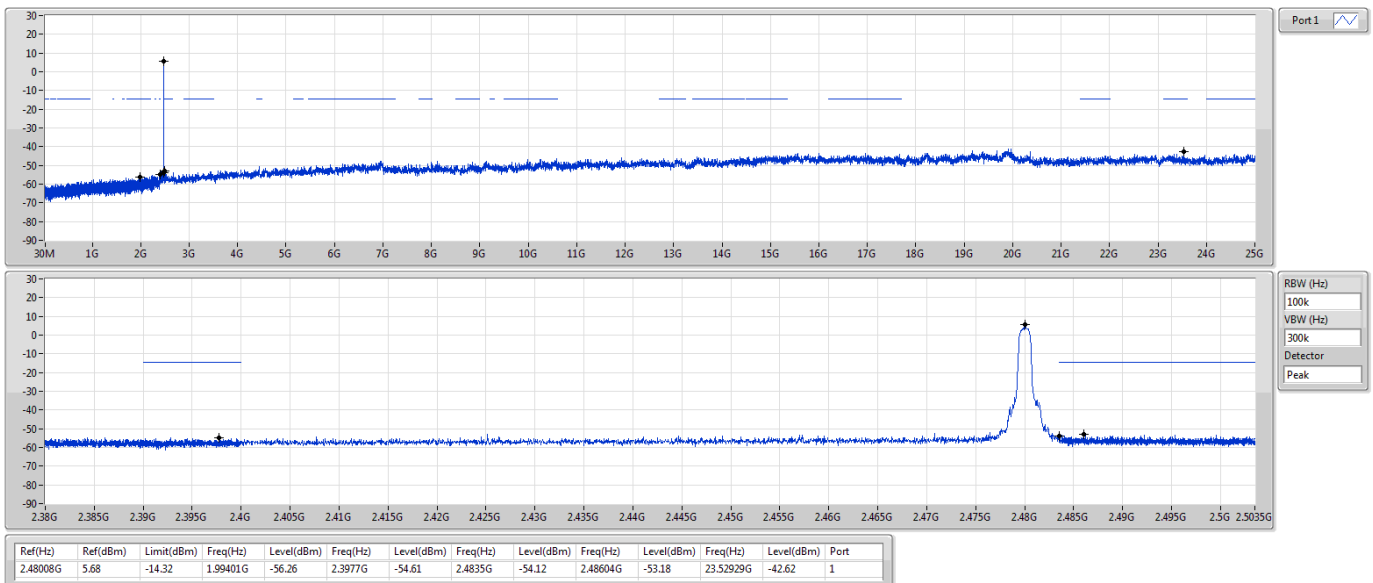


BT-EDR(2Mbps)

2480MHz

CSE NdB

18/06/2020

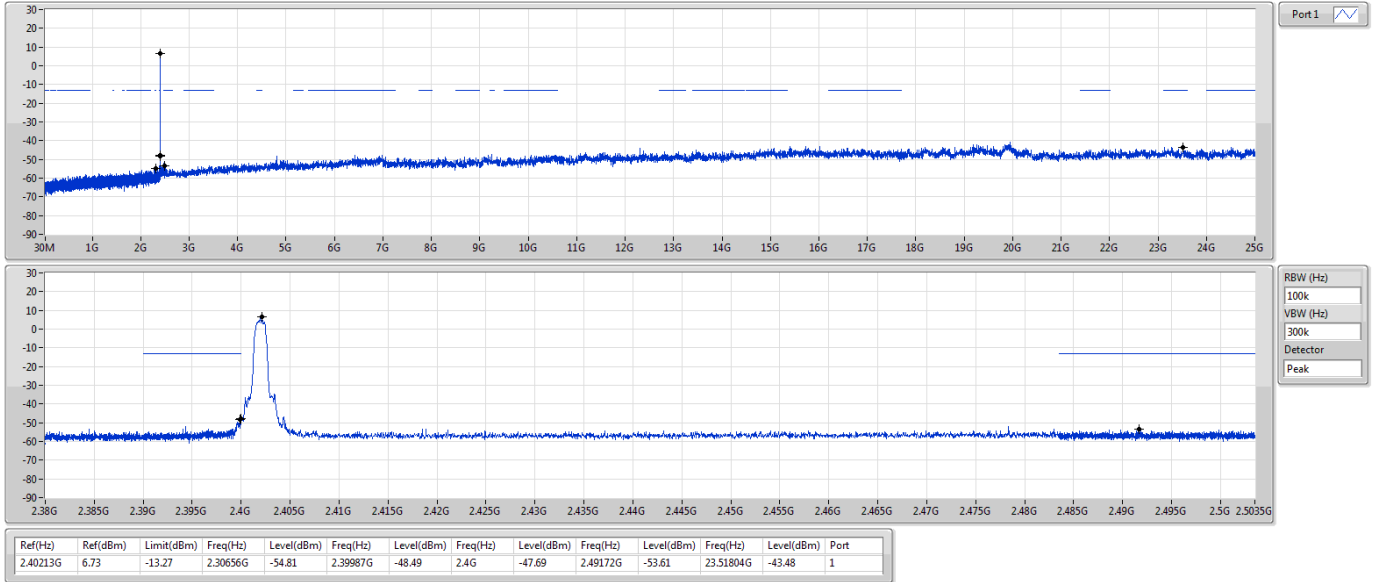


BT-EDR(3Mbps)

2402MHz

CSE NdB

18/06/2020

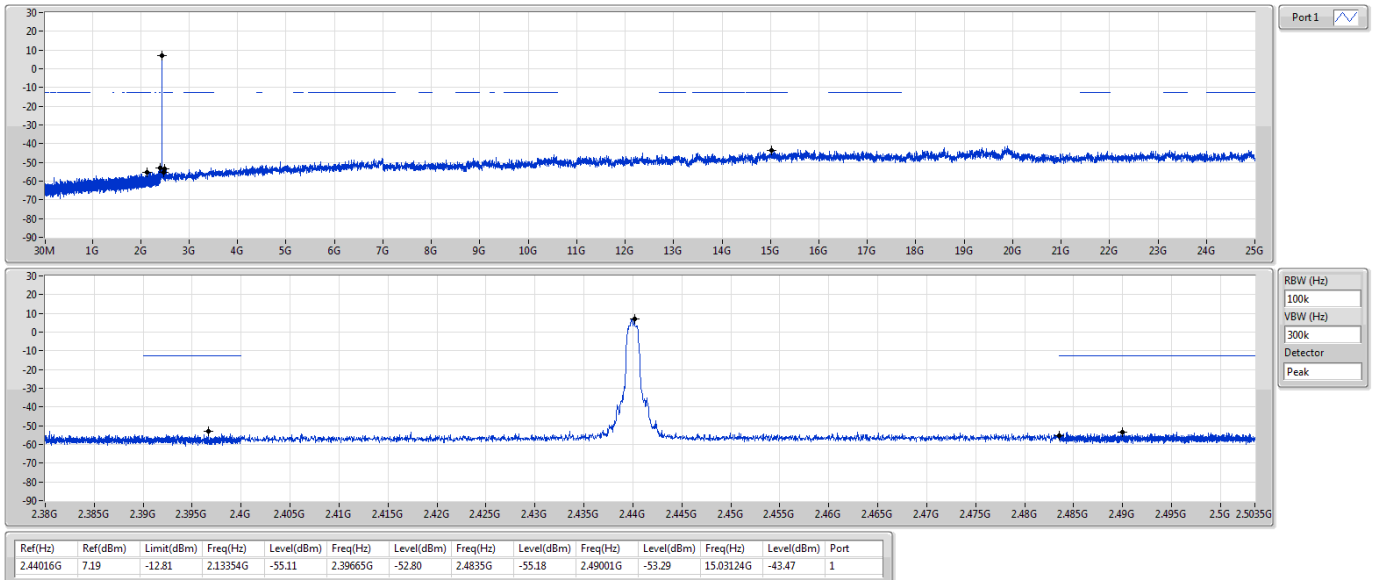


BT-EDR(3Mbps)

2440MHz

CSE NdB

18/06/2020

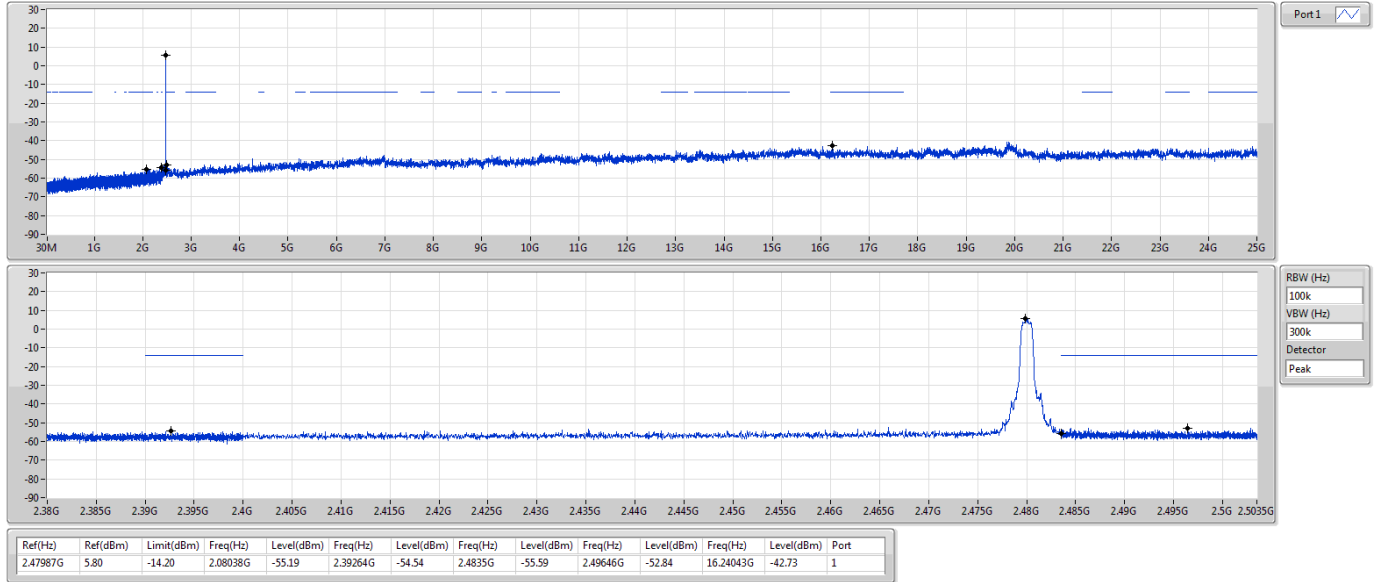


BT-EDR(3Mbps)

2480MHz

CSE NdB

18/06/2020





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	55.22M	35.27	40.00	-4.73	3	Horizontal	0	1.00	-

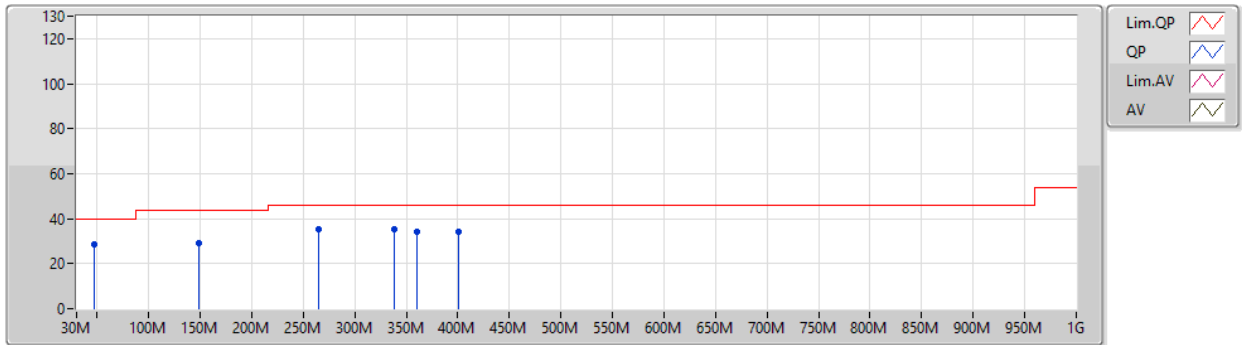
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	47.46M	28.60	40.00	-11.40	3	Vertical	360	1.00	-
2440MHz	Pass	PK	148.34M	28.99	43.50	-14.51	3	Vertical	360	1.00	-
2440MHz	Pass	PK	264.74M	35.08	46.00	-10.92	3	Vertical	360	1.00	-
2440MHz	Pass	PK	338.46M	35.53	46.00	-10.47	3	Vertical	360	1.00	-
2440MHz	Pass	PK	359.8M	34.30	46.00	-11.70	3	Vertical	360	1.00	-
2440MHz	Pass	PK	400.54M	34.17	46.00	-11.83	3	Vertical	360	1.00	-
2440MHz	Pass	PK	55.22M	35.27	40.00	-4.73	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	99.84M	37.38	43.50	-6.12	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	216M	32.29	46.00	-13.71	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	282.2M	38.43	46.00	-7.57	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	352.04M	38.05	46.00	-7.95	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	462.62M	32.28	46.00	-13.72	3	Horizontal	0	1.00	-

BT-BR(1Mbps)

2440MHz_USB

19/06/2020

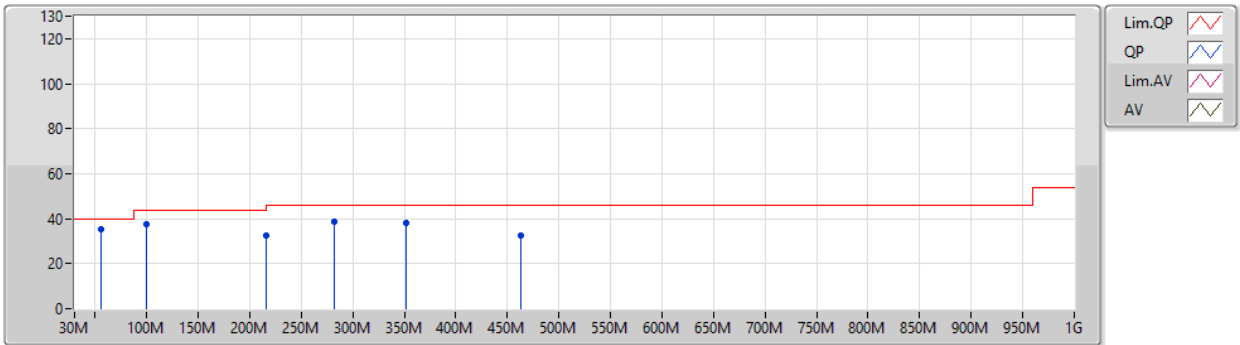


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	47.46M	28.60	40.00	-11.40	-22.03	3	Vertical	360	1.00	-	50.63	14.46	0.50	36.99
PK	148.34M	28.99	43.50	-14.51	-19.09	3	Vertical	360	1.00	-	48.08	16.30	0.94	36.33
PK	264.74M	35.08	46.00	-10.92	-15.76	3	Vertical	360	1.00	-	50.84	19.32	1.33	36.41
PK	338.46M	35.53	46.00	-10.47	-15.93	3	Vertical	360	1.00	-	51.46	19.06	1.48	36.47
PK	359.8M	34.30	46.00	-11.70	-15.21	3	Vertical	360	1.00	-	49.51	19.73	1.54	36.48
PK	400.54M	34.17	46.00	-11.83	-13.79	3	Vertical	360	1.00	-	47.96	20.93	1.70	36.42

BT-BR(1Mbps)

2440MHz_USB

19/06/2020



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	55.22M	35.27	40.00	-4.73	-24.98	3	Horizontal	0	1.00	-	60.25	11.41	0.60	36.99
PK	99.84M	37.38	43.50	-6.12	-20.78	3	Horizontal	0	1.00	-	58.16	14.98	0.80	36.56
PK	216M	32.29	46.00	-13.71	-21.11	3	Horizontal	0	1.00	-	53.40	13.99	1.16	36.26
PK	282.2M	38.43	46.00	-7.57	-17.10	3	Horizontal	0	1.00	-	55.53	17.92	1.36	36.38
PK	352.04M	38.05	46.00	-7.95	-15.50	3	Horizontal	0	1.00	-	53.55	19.49	1.51	36.50
PK	462.62M	32.28	46.00	-13.72	-12.42	3	Horizontal	0	1.00	-	44.70	22.46	1.83	36.71

**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	7.32044G	65.27	74.00	-8.73	3	Horizontal	133	1.00	-
BT-EDR(3Mbps)	Pass	PK	7.31993G	63.45	74.00	-10.55	3	Horizontal	135	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)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3762G	36.55	54.00	-17.45	3	Vertical	95	2.18	-
2402MHz	Pass	AV	2.4018G	85.04	Inf	-Inf	3	Vertical	95	2.18	-
2402MHz	Pass	PK	2.3762G	59.05	74.00	-14.95	3	Vertical	95	2.18	-
2402MHz	Pass	PK	2.4018G	107.54	Inf	-Inf	3	Vertical	95	2.18	-
2402MHz	Pass	AV	2.352G	35.78	54.00	-18.22	3	Horizontal	115	1.12	-
2402MHz	Pass	AV	2.402G	89.95	Inf	-Inf	3	Horizontal	115	1.12	-
2402MHz	Pass	PK	2.352G	58.28	74.00	-15.72	3	Horizontal	115	1.12	-
2402MHz	Pass	PK	2.402G	112.45	Inf	-Inf	3	Horizontal	115	1.12	-
2402MHz	Pass	AV	4.80378G	28.95	54.00	-25.05	3	Vertical	84	1.57	-
2402MHz	Pass	PK	4.80378G	51.45	74.00	-22.55	3	Vertical	84	1.57	-
2402MHz	Pass	AV	4.80371G	31.17	54.00	-22.83	3	Horizontal	104	1.00	-
2402MHz	Pass	PK	4.80371G	53.67	74.00	-20.33	3	Horizontal	104	1.00	-
2440MHz	Pass	AV	2.368G	35.29	54.00	-18.71	3	Vertical	75	2.30	-
2440MHz	Pass	AV	2.44G	83.70	Inf	-Inf	3	Vertical	75	2.30	-
2440MHz	Pass	AV	2.4944G	35.62	54.00	-18.38	3	Vertical	75	2.30	-
2440MHz	Pass	PK	2.368G	57.79	74.00	-16.21	3	Vertical	75	2.30	-
2440MHz	Pass	PK	2.44G	106.20	Inf	-Inf	3	Vertical	75	2.30	-
2440MHz	Pass	PK	2.4944G	58.12	74.00	-15.88	3	Vertical	75	2.30	-
2440MHz	Pass	AV	2.38G	35.86	54.00	-18.14	3	Horizontal	119	1.00	-
2440MHz	Pass	AV	2.44G	88.96	Inf	-Inf	3	Horizontal	119	1.00	-
2440MHz	Pass	AV	2.488G	35.17	54.00	-18.83	3	Horizontal	119	1.00	-
2440MHz	Pass	PK	2.38G	58.36	74.00	-15.64	3	Horizontal	119	1.00	-
2440MHz	Pass	PK	2.44G	111.46	Inf	-Inf	3	Horizontal	119	1.00	-
2440MHz	Pass	PK	2.488G	57.67	74.00	-16.33	3	Horizontal	119	1.00	-
2440MHz	Pass	AV	4.87967G	28.60	54.00	-25.40	3	Vertical	81	1.63	-
2440MHz	Pass	AV	7.32041G	40.62	54.00	-13.38	3	Vertical	96	1.04	-
2440MHz	Pass	PK	4.87967G	51.10	74.00	-22.90	3	Vertical	81	1.63	-
2440MHz	Pass	PK	7.32041G	63.12	74.00	-10.88	3	Vertical	96	1.04	-
2440MHz	Pass	AV	4.87966G	31.03	54.00	-22.97	3	Horizontal	124	1.00	-
2440MHz	Pass	AV	7.32044G	42.77	54.00	-11.23	3	Horizontal	133	1.00	-
2440MHz	Pass	PK	4.87966G	53.53	74.00	-20.47	3	Horizontal	124	1.00	-
2440MHz	Pass	PK	7.32044G	65.27	74.00	-8.73	3	Horizontal	133	1.00	-
2480MHz	Pass	AV	2.4802G	83.36	Inf	-Inf	3	Vertical	90	2.28	-
2480MHz	Pass	AV	2.4942G	35.27	54.00	-18.73	3	Vertical	90	2.28	-
2480MHz	Pass	PK	2.4802G	105.86	Inf	-Inf	3	Vertical	90	2.28	-
2480MHz	Pass	PK	2.4942G	57.77	74.00	-16.23	3	Vertical	90	2.28	-
2480MHz	Pass	AV	2.48G	86.49	Inf	-Inf	3	Horizontal	111	1.31	-
2480MHz	Pass	AV	2.4848G	36.15	54.00	-17.85	3	Horizontal	111	1.31	-
2480MHz	Pass	PK	2.48G	108.99	Inf	-Inf	3	Horizontal	111	1.31	-
2480MHz	Pass	PK	2.4848G	58.65	74.00	-15.35	3	Horizontal	111	1.31	-
2480MHz	Pass	AV	4.95955G	27.32	54.00	-26.68	3	Vertical	85	1.55	-
2480MHz	Pass	AV	7.43941G	38.08	54.00	-15.92	3	Vertical	83	1.12	-
2480MHz	Pass	PK	4.95955G	49.82	74.00	-24.18	3	Vertical	85	1.55	-
2480MHz	Pass	PK	7.43941G	60.58	74.00	-13.42	3	Vertical	83	1.12	-
2480MHz	Pass	AV	4.96008G	29.34	54.00	-24.66	3	Horizontal	122	1.00	-
2480MHz	Pass	AV	7.44048G	41.32	54.00	-12.68	3	Horizontal	134	1.00	-
2480MHz	Pass	PK	4.96008G	51.84	74.00	-22.16	3	Horizontal	122	1.00	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2480MHz	Pass	PK	7.44048G	63.82	74.00	-10.18	3	Horizontal	134	1.00	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3812G	35.45	54.00	-18.55	3	Vertical	95	2.16	-
2402MHz	Pass	AV	2.402G	85.25	Inf	-Inf	3	Vertical	95	2.16	-
2402MHz	Pass	PK	2.3812G	57.95	74.00	-16.05	3	Vertical	95	2.16	-
2402MHz	Pass	PK	2.402G	107.75	Inf	-Inf	3	Vertical	95	2.16	-
2402MHz	Pass	AV	2.3896G	35.73	54.00	-18.27	3	Horizontal	116	1.14	-
2402MHz	Pass	AV	2.402G	90.28	Inf	-Inf	3	Horizontal	116	1.14	-
2402MHz	Pass	PK	2.3896G	58.23	74.00	-15.77	3	Horizontal	116	1.14	-
2402MHz	Pass	PK	2.402G	112.78	Inf	-Inf	3	Horizontal	116	1.14	-
2402MHz	Pass	AV	4.80363G	29.45	54.00	-24.55	3	Vertical	83	1.57	-
2402MHz	Pass	PK	4.80363G	51.95	74.00	-22.05	3	Vertical	83	1.57	-
2402MHz	Pass	AV	4.80357G	31.51	54.00	-22.49	3	Horizontal	127	1.00	-
2402MHz	Pass	PK	4.80357G	54.01	74.00	-19.99	3	Horizontal	127	1.00	-
2440MHz	Pass	AV	2.3872G	34.84	54.00	-19.16	3	Vertical	74	2.30	-
2440MHz	Pass	AV	2.44G	84.10	Inf	-Inf	3	Vertical	74	2.30	-
2440MHz	Pass	AV	2.4916G	35.39	54.00	-18.61	3	Vertical	74	2.30	-
2440MHz	Pass	PK	2.3872G	57.34	74.00	-16.66	3	Vertical	74	2.30	-
2440MHz	Pass	PK	2.44G	106.60	Inf	-Inf	3	Vertical	74	2.30	-
2440MHz	Pass	PK	2.4916G	57.89	74.00	-16.11	3	Vertical	74	2.30	-
2440MHz	Pass	AV	2.35G	35.92	54.00	-18.08	3	Horizontal	118	1.01	-
2440MHz	Pass	AV	2.44G	89.06	Inf	-Inf	3	Horizontal	118	1.01	-
2440MHz	Pass	AV	2.5244G	36.31	54.00	-17.69	3	Horizontal	118	1.01	-
2440MHz	Pass	PK	2.35G	58.42	74.00	-15.58	3	Horizontal	118	1.01	-
2440MHz	Pass	PK	2.44G	111.56	Inf	-Inf	3	Horizontal	118	1.01	-
2440MHz	Pass	PK	2.5244G	58.81	74.00	-15.19	3	Horizontal	118	1.01	-
2440MHz	Pass	AV	4.88059G	29.22	54.00	-24.78	3	Vertical	82	1.60	-
2440MHz	Pass	AV	7.32009G	38.82	54.00	-15.18	3	Vertical	98	1.04	-
2440MHz	Pass	PK	4.88059G	51.72	74.00	-22.28	3	Vertical	82	1.60	-
2440MHz	Pass	PK	7.32009G	61.32	74.00	-12.68	3	Vertical	98	1.04	-
2440MHz	Pass	AV	4.88025G	32.01	54.00	-21.99	3	Horizontal	125	1.00	-
2440MHz	Pass	AV	7.31993G	40.95	54.00	-13.05	3	Horizontal	135	1.00	-
2440MHz	Pass	PK	4.88025G	54.51	74.00	-19.49	3	Horizontal	125	1.00	-
2440MHz	Pass	PK	7.31993G	63.45	74.00	-10.55	3	Horizontal	135	1.00	-
2480MHz	Pass	AV	2.4798G	83.67	Inf	-Inf	3	Vertical	92	2.27	-
2480MHz	Pass	AV	2.4835G	36.14	54.00	-17.86	3	Vertical	92	2.27	-
2480MHz	Pass	PK	2.4798G	106.17	Inf	-Inf	3	Vertical	92	2.27	-
2480MHz	Pass	PK	2.4835G	58.64	74.00	-15.36	3	Vertical	92	2.27	-
2480MHz	Pass	AV	2.4798G	86.16	Inf	-Inf	3	Horizontal	111	1.32	-
2480MHz	Pass	AV	2.4836G	37.70	54.00	-16.30	3	Horizontal	111	1.32	-
2480MHz	Pass	PK	2.4798G	108.66	Inf	-Inf	3	Horizontal	111	1.32	-
2480MHz	Pass	PK	2.4836G	60.20	74.00	-13.80	3	Horizontal	111	1.32	-
2480MHz	Pass	AV	4.95984G	27.34	54.00	-26.66	3	Vertical	93	1.38	-
2480MHz	Pass	AV	7.43978G	37.26	54.00	-16.74	3	Vertical	98	1.12	-
2480MHz	Pass	PK	4.95984G	49.84	74.00	-24.16	3	Vertical	93	1.38	-
2480MHz	Pass	PK	7.43978G	59.76	74.00	-14.24	3	Vertical	98	1.12	-
2480MHz	Pass	AV	4.96051G	28.80	54.00	-25.20	3	Horizontal	123	1.07	-
2480MHz	Pass	AV	7.43935G	36.93	54.00	-17.07	3	Horizontal	131	1.04	-
2480MHz	Pass	PK	4.96051G	51.30	74.00	-22.70	3	Horizontal	123	1.07	-

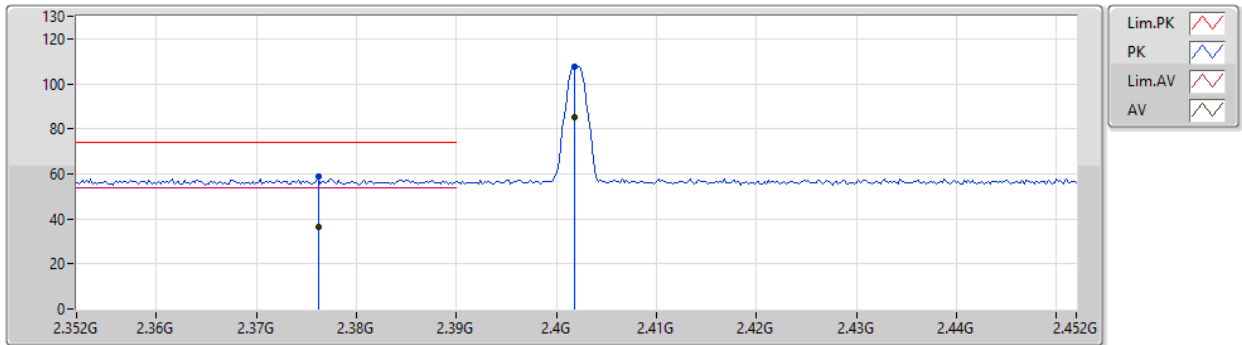


Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2480MHz	Pass	PK	7.43935G	59.43	74.00	-14.57	3	Horizontal	131	1.04	-

BT-BR(1Mbps)

2402MHz_TX

18/06/2020

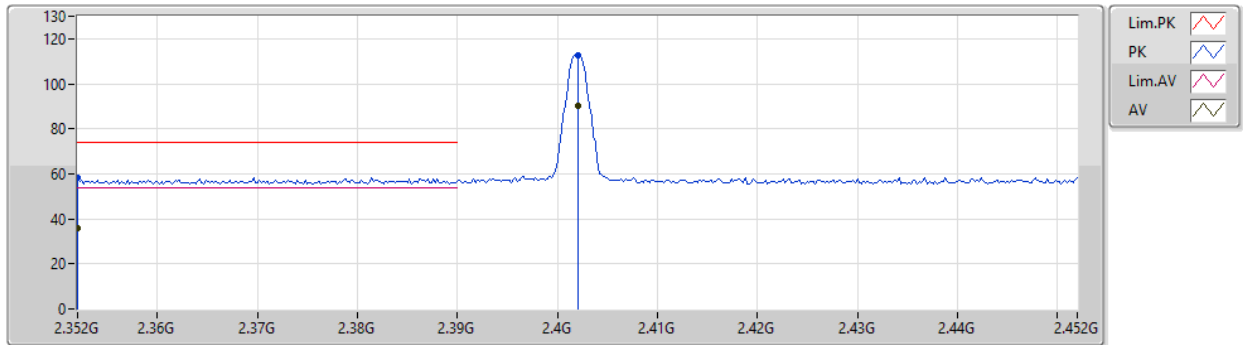


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3762G	36.55	54.00	-17.45	32.72	3	Vertical	95	2.18	-	3.83	27.67	5.05	-
AV	2.4018G	85.04	Inf	-Inf	32.70	3	Vertical	95	2.18	-	52.34	27.60	5.10	-
PK	2.3762G	59.05	74.00	-14.95	32.72	3	Vertical	95	2.18	-	26.33	27.67	5.05	-
PK	2.4018G	107.54	Inf	-Inf	32.70	3	Vertical	95	2.18	-	74.84	27.60	5.10	-

BT-BR(1Mbps)

2402MHz_TX

18/06/2020

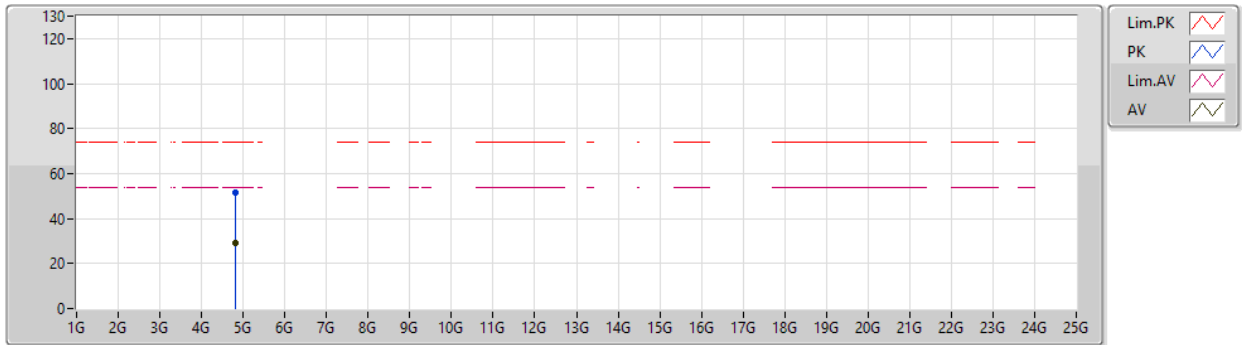


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.352G	35.78	54.00	-18.22	32.74	3	Horizontal	115	1.12	-	3.04	27.74	5.00	-
AV	2.402G	89.95	Inf	-Inf	32.70	3	Horizontal	115	1.12	-	57.25	27.60	5.10	-
PK	2.352G	58.28	74.00	-15.72	32.74	3	Horizontal	115	1.12	-	25.54	27.74	5.00	-
PK	2.402G	112.45	Inf	-Inf	32.70	3	Horizontal	115	1.12	-	79.75	27.60	5.10	-

BT-BR(1Mbps)

18/06/2020

2402MHz_TX

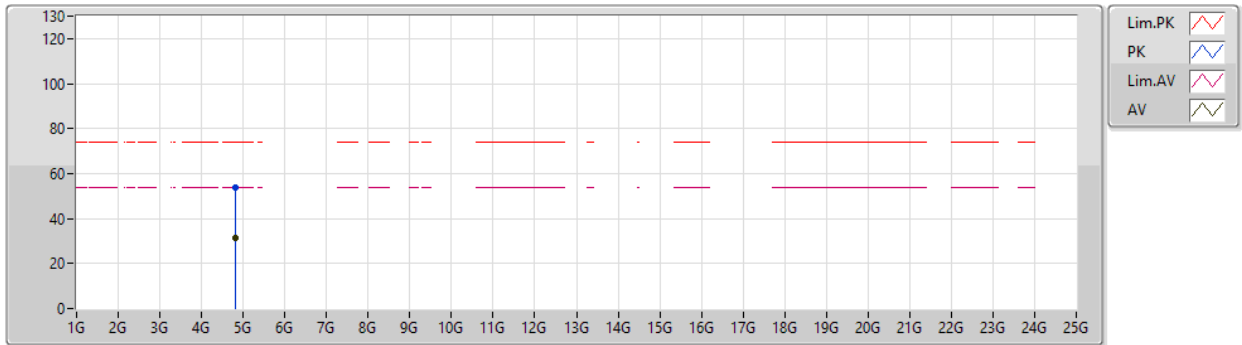


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80378G	28.95	54.00	-25.05	4.31	3	Vertical	84	1.57	-	24.64	31.12	7.30	34.11
PK	4.80378G	51.45	74.00	-22.55	4.31	3	Vertical	84	1.57	-	47.14	31.12	7.30	34.11

BT-BR(1Mbps)

2402MHz_TX

18/06/2020

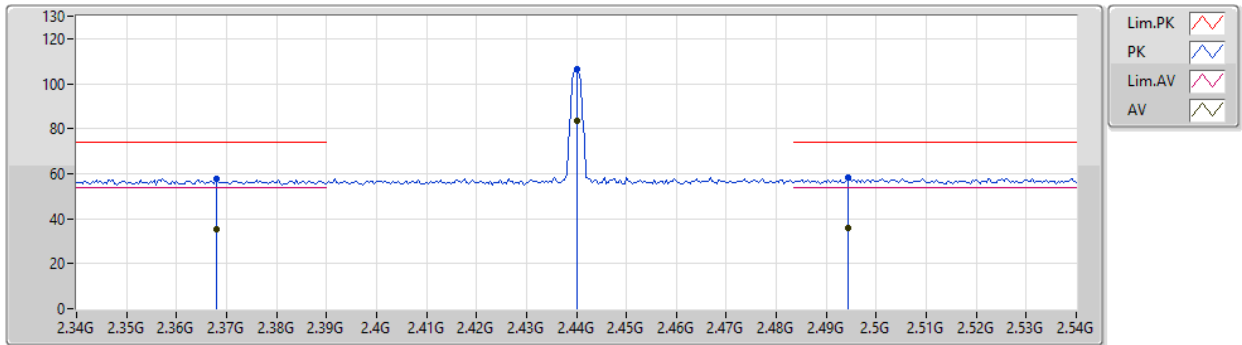


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80371G	31.17	54.00	-22.83	4.30	3	Horizontal	104	1.00	-	26.87	31.11	7.30	34.11
PK	4.80371G	53.67	74.00	-20.33	4.30	3	Horizontal	104	1.00	-	49.37	31.11	7.30	34.11

BT-BR(1Mbps)

2440MHz_TX

18/06/2020

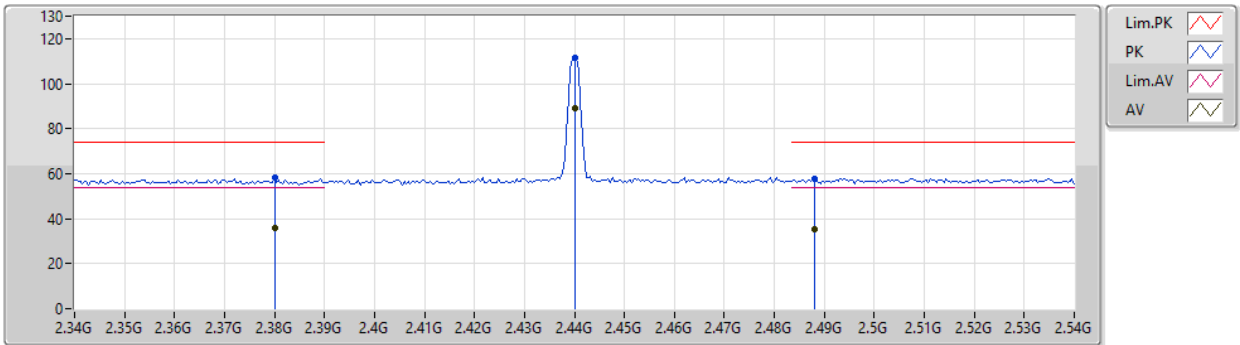


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.368G	35.29	54.00	-18.71	32.77	3	Vertical	75	2.30	-	2.52	27.73	5.04	-
AV	2.44G	83.70	Inf	-Inf	32.76	3	Vertical	75	2.30	-	50.94	27.60	5.16	-
AV	2.4944G	35.62	54.00	-18.38	32.84	3	Vertical	75	2.30	-	2.78	27.60	5.24	-
PK	2.368G	57.79	74.00	-16.21	32.77	3	Vertical	75	2.30	-	25.02	27.73	5.04	-
PK	2.44G	106.20	Inf	-Inf	32.76	3	Vertical	75	2.30	-	73.44	27.60	5.16	-
PK	2.4944G	58.12	74.00	-15.88	32.84	3	Vertical	75	2.30	-	25.28	27.60	5.24	-

BT-BR(1Mbps)

2440MHz_TX

18/06/2020

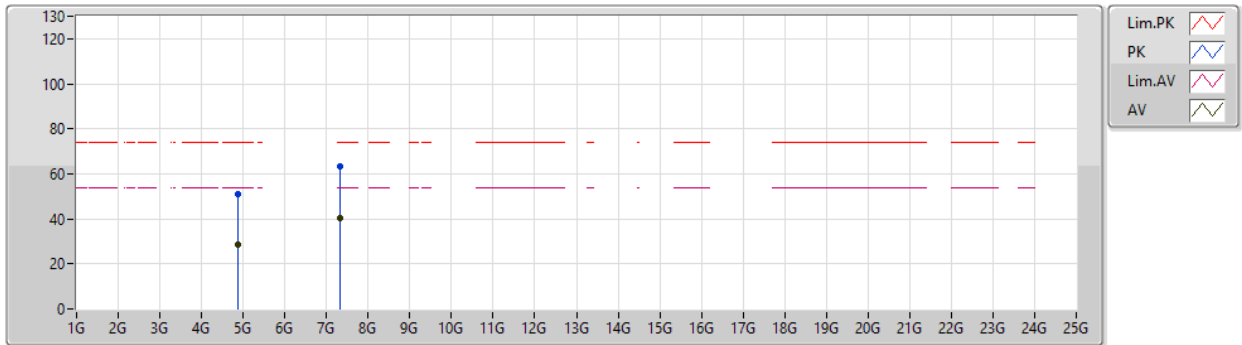


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38G	35.86	54.00	-18.14	32.74	3	Horizontal	119	1.00	-	3.12	27.68	5.06	-
AV	2.44G	88.96	Inf	-Inf	32.76	3	Horizontal	119	1.00	-	56.20	27.60	5.16	-
AV	2.488G	35.17	54.00	-18.83	32.83	3	Horizontal	119	1.00	-	2.34	27.60	5.23	-
PK	2.38G	58.36	74.00	-15.64	32.74	3	Horizontal	119	1.00	-	25.62	27.68	5.06	-
PK	2.44G	111.46	Inf	-Inf	32.76	3	Horizontal	119	1.00	-	78.70	27.60	5.16	-
PK	2.488G	57.67	74.00	-16.33	32.83	3	Horizontal	119	1.00	-	24.84	27.60	5.23	-

BT-BR(1Mbps)

2440MHz_TX

18/06/2020

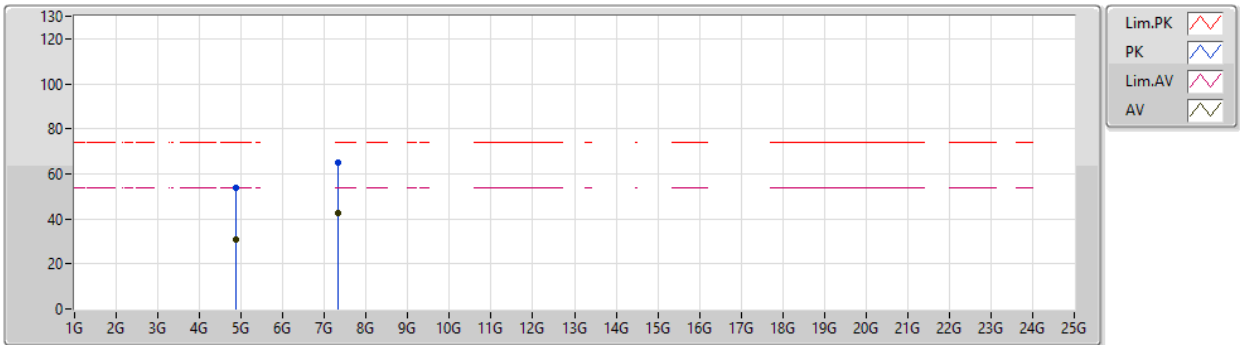


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87967G	28.60	54.00	-25.40	4.52	3	Vertical	81	1.63	-	24.08	31.24	7.38	34.10
AV	7.32041G	40.62	54.00	-13.38	10.58	3	Vertical	96	1.04	-	30.04	36.56	8.60	34.58
PK	4.87967G	51.10	74.00	-22.90	4.52	3	Vertical	81	1.63	-	46.58	31.24	7.38	34.10
PK	7.32041G	63.12	74.00	-10.88	10.58	3	Vertical	96	1.04	-	52.54	36.56	8.60	34.58

BT-BR(1Mbps)

2440MHz_TX

18/06/2020

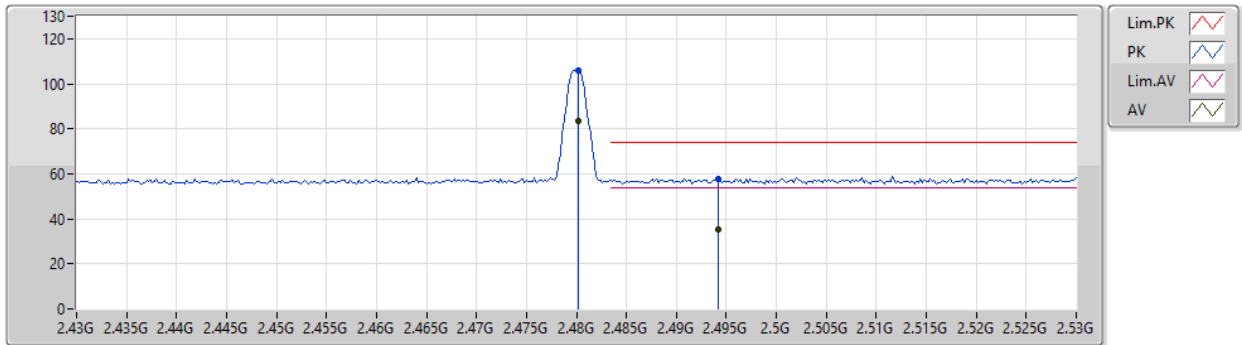


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87966G	31.03	54.00	-22.97	4.52	3	Horizontal	124	1.00	-	26.51	31.24	7.38	34.10
AV	7.32044G	42.77	54.00	-11.23	10.58	3	Horizontal	133	1.00	-	32.19	36.56	8.60	34.58
PK	4.87966G	53.53	74.00	-20.47	4.52	3	Horizontal	124	1.00	-	49.01	31.24	7.38	34.10
PK	7.32044G	65.27	74.00	-8.73	10.58	3	Horizontal	133	1.00	-	54.69	36.56	8.60	34.58

BT-BR(1Mbps)

2480MHz_TX

18/06/2020

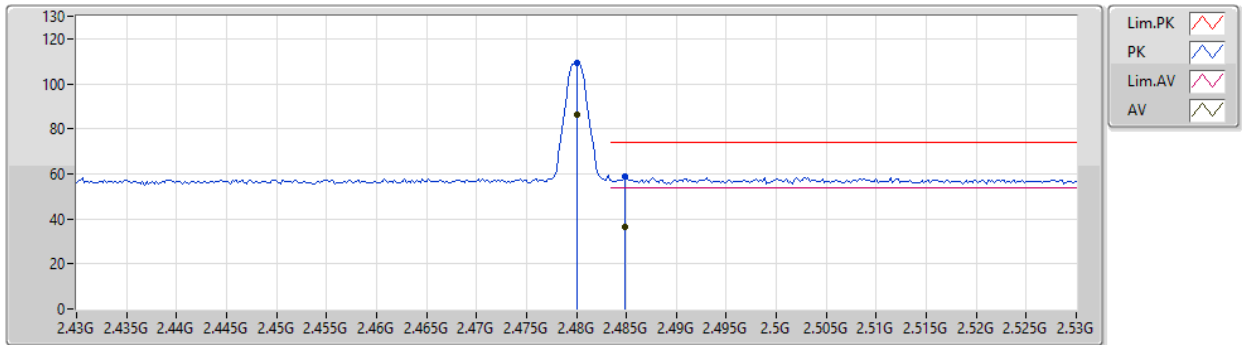


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4802G	83.36	Inf	-Inf	32.82	3	Vertical	90	2.28	-	50.54	27.60	5.22	-
AV	2.4942G	35.27	54.00	-18.73	32.84	3	Vertical	90	2.28	-	2.43	27.60	5.24	-
PK	2.4802G	105.86	Inf	-Inf	32.82	3	Vertical	90	2.28	-	73.04	27.60	5.22	-
PK	2.4942G	57.77	74.00	-16.23	32.84	3	Vertical	90	2.28	-	24.93	27.60	5.24	-

BT-BR(1Mbps)

2480MHz_TX

18/06/2020

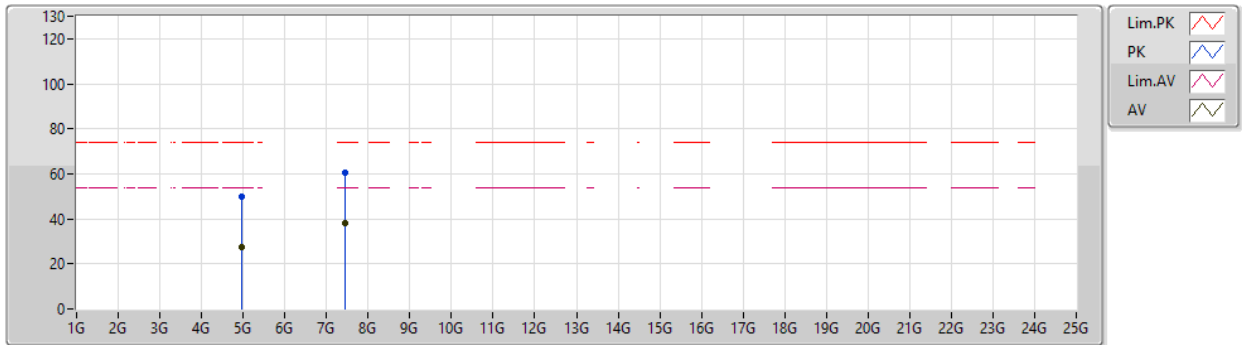


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	86.49	Inf	-Inf	32.82	3	Horizontal	111	1.31	-	53.67	27.60	5.22	-
AV	2.4848G	36.15	54.00	-17.85	32.83	3	Horizontal	111	1.31	-	3.32	27.60	5.23	-
PK	2.48G	108.99	Inf	-Inf	32.82	3	Horizontal	111	1.31	-	76.17	27.60	5.22	-
PK	2.4848G	58.65	74.00	-15.35	32.83	3	Horizontal	111	1.31	-	25.82	27.60	5.23	-

BT-BR(1Mbps)

18/06/2020

2480MHz_TX

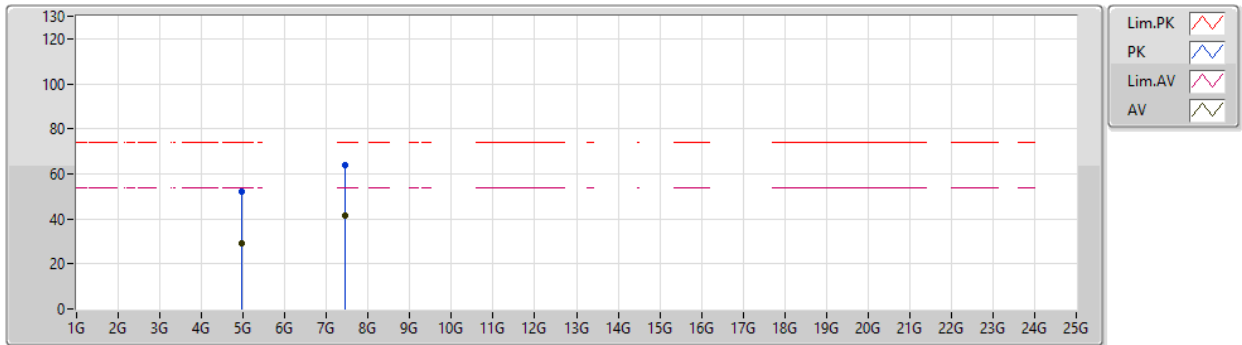


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95955G	27.32	54.00	-26.68	4.79	3	Vertical	85	1.55	-	22.53	31.42	7.46	34.09
AV	7.43941G	38.08	54.00	-15.92	10.56	3	Vertical	83	1.12	-	27.52	36.56	8.60	34.60
PK	4.95955G	49.82	74.00	-24.18	4.79	3	Vertical	85	1.55	-	45.03	31.42	7.46	34.09
PK	7.43941G	60.58	74.00	-13.42	10.56	3	Vertical	83	1.12	-	50.02	36.56	8.60	34.60

BT-BR(1Mbps)

2480MHz_TX

18/06/2020

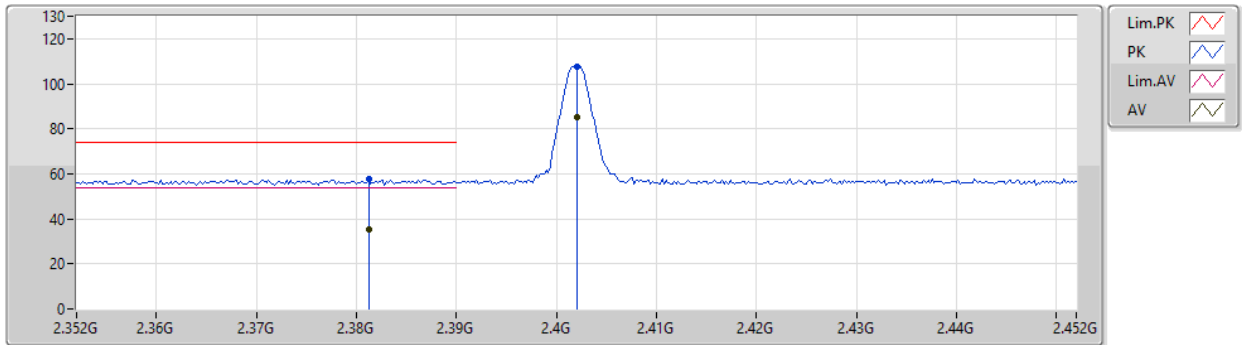


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.96008G	29.34	54.00	-24.66	4.79	3	Horizontal	122	1.00	-	24.55	31.42	7.46	34.09
AV	7.44048G	41.32	54.00	-12.68	10.56	3	Horizontal	134	1.00	-	30.76	36.56	8.60	34.60
PK	4.96008G	51.84	74.00	-22.16	4.79	3	Horizontal	122	1.00	-	47.05	31.42	7.46	34.09
PK	7.44048G	63.82	74.00	-10.18	10.56	3	Horizontal	134	1.00	-	53.26	36.56	8.60	34.60

BT-EDR(3Mbps)

2402MHz_TX

18/06/2020

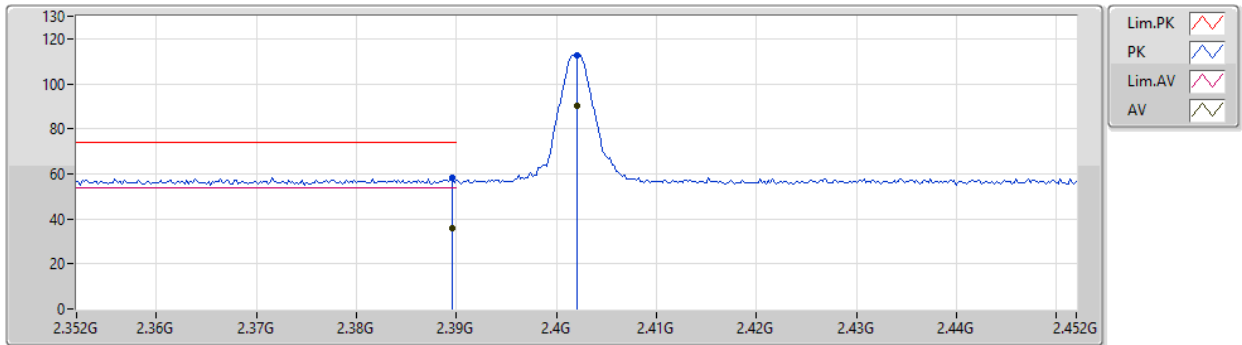


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3812G	35.45	54.00	-18.55	32.74	3	Vertical	95	2.16	-	2.71	27.68	5.06	-
AV	2.402G	85.25	Inf	-Inf	32.70	3	Vertical	95	2.16	-	52.55	27.60	5.10	-
PK	2.3812G	57.95	74.00	-16.05	32.74	3	Vertical	95	2.16	-	25.21	27.68	5.06	-
PK	2.402G	107.75	Inf	-Inf	32.70	3	Vertical	95	2.16	-	75.05	27.60	5.10	-

BT-EDR(3Mbps)

18/06/2020

2402MHz_TX

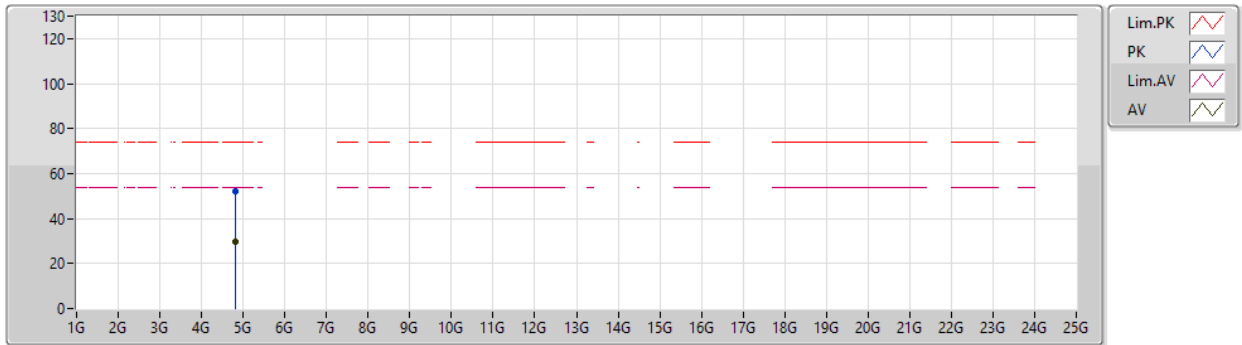


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3896G	35.73	54.00	-18.27	32.72	3	Horizontal	116	1.14	-	3.01	27.64	5.08	-
AV	2.402G	90.28	Inf	-Inf	32.70	3	Horizontal	116	1.14	-	57.58	27.60	5.10	-
PK	2.3896G	58.23	74.00	-15.77	32.72	3	Horizontal	116	1.14	-	25.51	27.64	5.08	-
PK	2.402G	112.78	Inf	-Inf	32.70	3	Horizontal	116	1.14	-	80.08	27.60	5.10	-

BT-EDR(3Mbps)

18/06/2020

2402MHz_TX

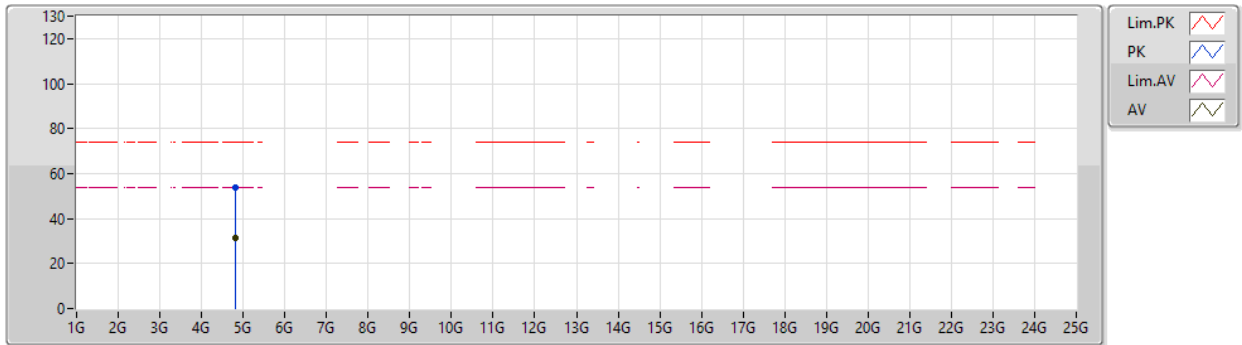


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80363G	29.45	54.00	-24.55	4.30	3	Vertical	83	1.57	-	25.15	31.11	7.30	34.11
PK	4.80363G	51.95	74.00	-22.05	4.30	3	Vertical	83	1.57	-	47.65	31.11	7.30	34.11

BT-EDR(3Mbps)

18/06/2020

2402MHz_TX

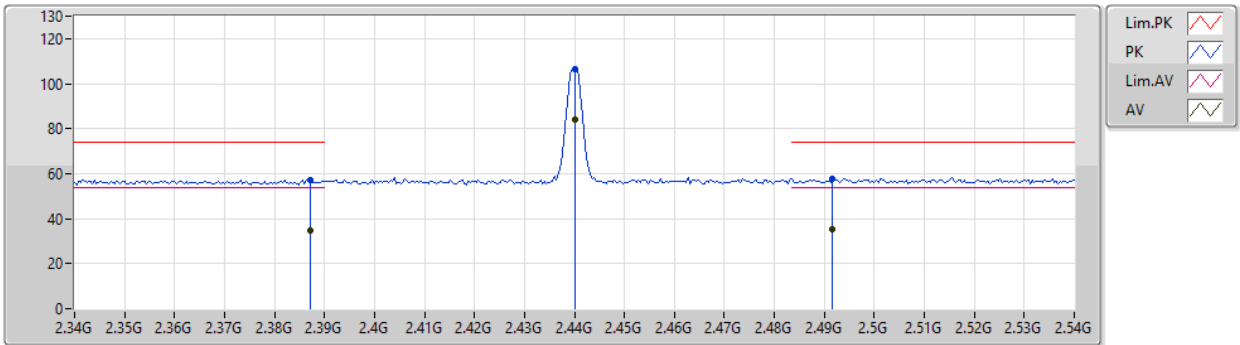


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80357G	31.51	54.00	-22.49	4.30	3	Horizontal	127	1.00	-	27.21	31.11	7.30	34.11
PK	4.80357G	54.01	74.00	-19.99	4.30	3	Horizontal	127	1.00	-	49.71	31.11	7.30	34.11

BT-EDR(3Mbps)

2440MHz_TX

18/06/2020

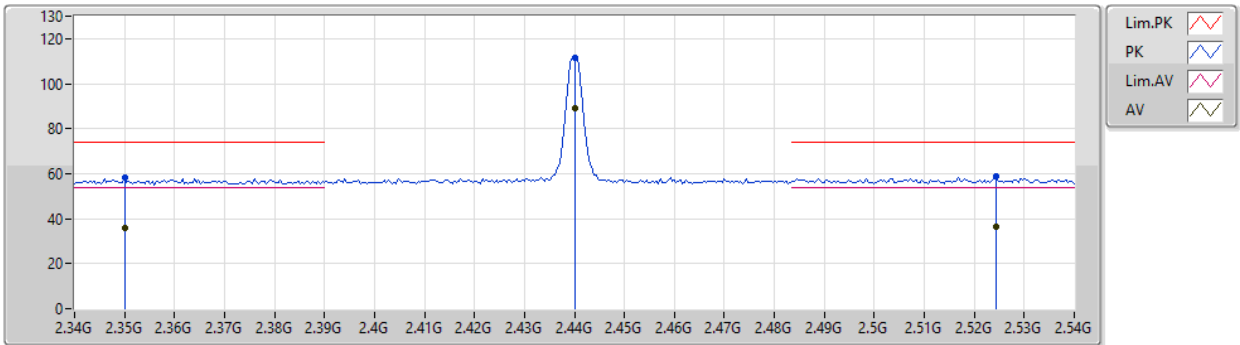


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3872G	34.84	54.00	-19.16	32.72	3	Vertical	74	2.30	-	2.12	27.65	5.07	-
AV	2.44G	84.10	Inf	-Inf	32.76	3	Vertical	74	2.30	-	51.34	27.60	5.16	-
AV	2.4916G	35.39	54.00	-18.61	32.84	3	Vertical	74	2.30	-	2.55	27.60	5.24	-
PK	2.3872G	57.34	74.00	-16.66	32.72	3	Vertical	74	2.30	-	24.62	27.65	5.07	-
PK	2.44G	106.60	Inf	-Inf	32.76	3	Vertical	74	2.30	-	73.84	27.60	5.16	-
PK	2.4916G	57.89	74.00	-16.11	32.84	3	Vertical	74	2.30	-	25.05	27.60	5.24	-

BT-EDR(3Mbps)

2440MHz_TX

18/06/2020

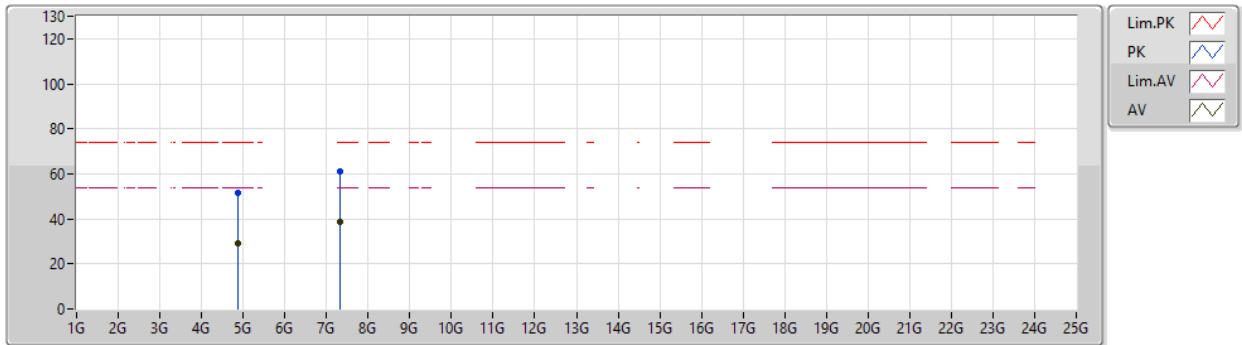


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.35G	35.92	54.00	-18.08	32.80	3	Horizontal	118	1.01	-	3.12	27.80	5.00	-
AV	2.44G	89.06	Inf	-Inf	32.76	3	Horizontal	118	1.01	-	56.30	27.60	5.16	-
AV	2.5244G	36.31	54.00	-17.69	32.84	3	Horizontal	118	1.01	-	3.47	27.55	5.29	-
PK	2.35G	58.42	74.00	-15.58	32.80	3	Horizontal	118	1.01	-	25.62	27.80	5.00	-
PK	2.44G	111.56	Inf	-Inf	32.76	3	Horizontal	118	1.01	-	78.80	27.60	5.16	-
PK	2.5244G	58.81	74.00	-15.19	32.84	3	Horizontal	118	1.01	-	25.97	27.55	5.29	-

BT-EDR(3Mbps)

18/06/2020

2440MHz_TX

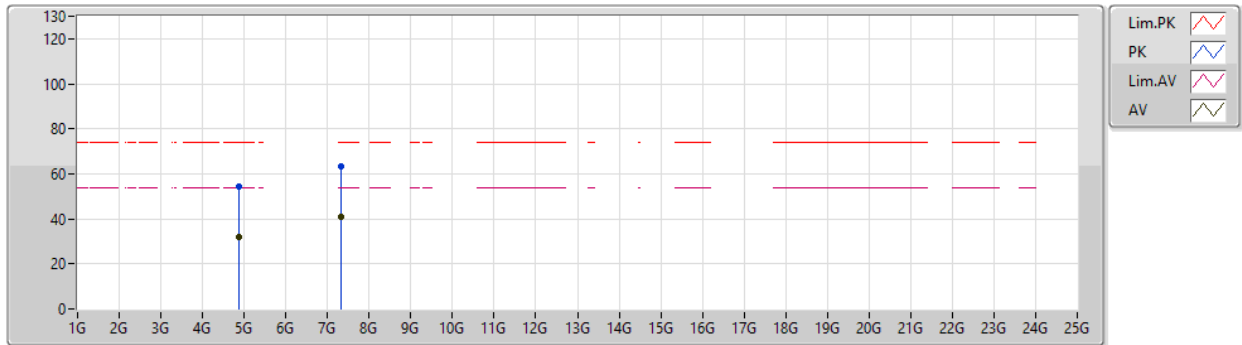


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88059G	29.22	54.00	-24.78	4.52	3	Vertical	82	1.60	-	24.70	31.24	7.38	34.10
AV	7.32009G	38.82	54.00	-15.18	10.58	3	Vertical	98	1.04	-	28.24	36.56	8.60	34.58
PK	4.88059G	51.72	74.00	-22.28	4.52	3	Vertical	82	1.60	-	47.20	31.24	7.38	34.10
PK	7.32009G	61.32	74.00	-12.68	10.58	3	Vertical	98	1.04	-	50.74	36.56	8.60	34.58

BT-EDR(3Mbps)

18/06/2020

2440MHz_TX

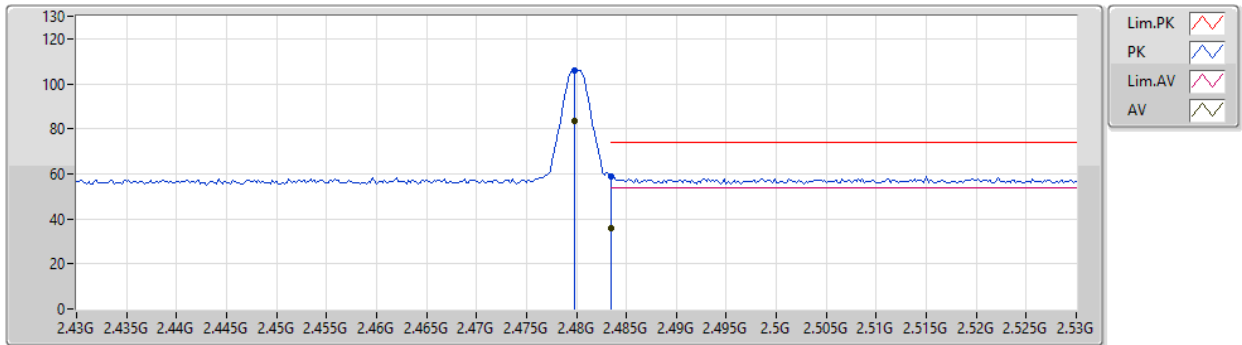


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88025G	32.01	54.00	-21.99	4.52	3	Horizontal	125	1.00	-	27.49	31.24	7.38	34.10
AV	7.31993G	40.95	54.00	-13.05	10.58	3	Horizontal	135	1.00	-	30.37	36.56	8.60	34.58
PK	4.88025G	54.51	74.00	-19.49	4.52	3	Horizontal	125	1.00	-	49.99	31.24	7.38	34.10
PK	7.31993G	63.45	74.00	-10.55	10.58	3	Horizontal	135	1.00	-	52.87	36.56	8.60	34.58

BT-EDR(3Mbps)

2480MHz_TX

18/06/2020

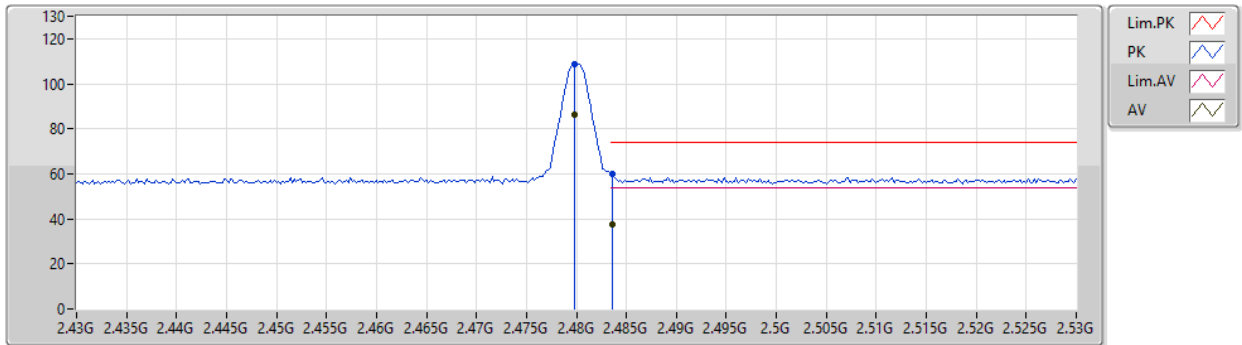


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4798G	83.67	Inf	-Inf	32.82	3	Vertical	92	2.27	-	50.85	27.60	5.22	-
AV	2.4835G	36.14	54.00	-17.86	32.83	3	Vertical	92	2.27	-	3.31	27.60	5.23	-
PK	2.4798G	106.17	Inf	-Inf	32.82	3	Vertical	92	2.27	-	73.35	27.60	5.22	-
PK	2.4835G	58.64	74.00	-15.36	32.83	3	Vertical	92	2.27	-	25.81	27.60	5.23	-

BT-EDR(3Mbps)

2480MHz_TX

18/06/2020

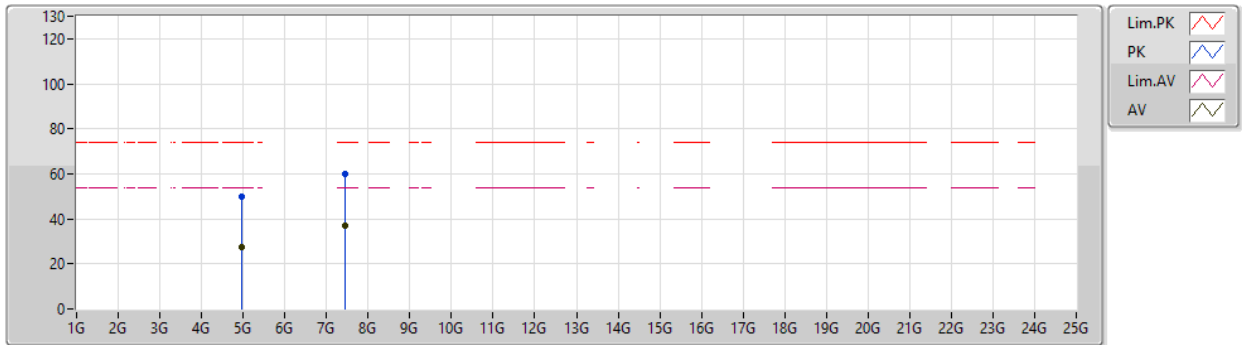


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4798G	86.16	Inf	-Inf	32.82	3	Horizontal	111	1.32	-	53.34	27.60	5.22	-
AV	2.4836G	37.70	54.00	-16.30	32.83	3	Horizontal	111	1.32	-	4.87	27.60	5.23	-
PK	2.4798G	108.66	Inf	-Inf	32.82	3	Horizontal	111	1.32	-	75.84	27.60	5.22	-
PK	2.4836G	60.20	74.00	-13.80	32.83	3	Horizontal	111	1.32	-	27.37	27.60	5.23	-

BT-EDR(3Mbps)

18/06/2020

2480MHz_TX

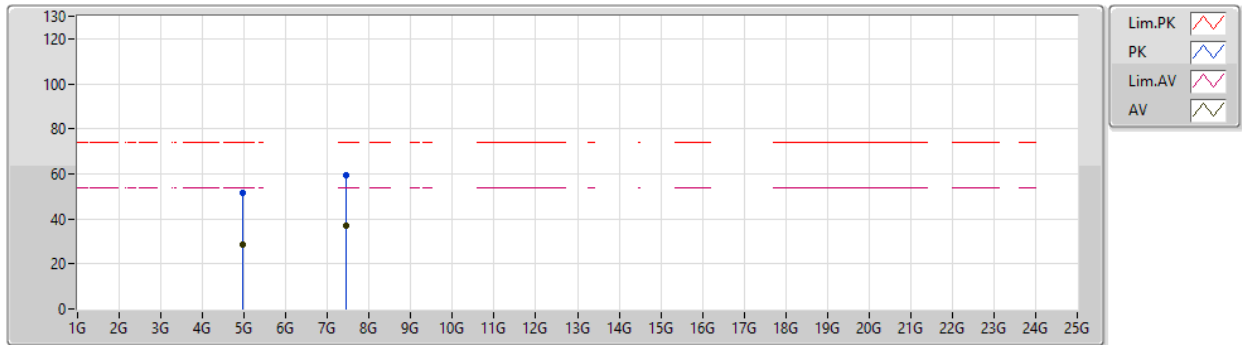


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95984G	27.34	54.00	-26.66	4.79	3	Vertical	93	1.38	-	22.55	31.42	7.46	34.09
AV	7.43978G	37.26	54.00	-16.74	10.56	3	Vertical	98	1.12	-	26.70	36.56	8.60	34.60
PK	4.95984G	49.84	74.00	-24.16	4.79	3	Vertical	93	1.38	-	45.05	31.42	7.46	34.09
PK	7.43978G	59.76	74.00	-14.24	10.56	3	Vertical	98	1.12	-	49.20	36.56	8.60	34.60

BT-EDR(3Mbps)

2480MHz_TX

18/06/2020



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	4.96051G	28.80	54.00	-25.20	4.79	3	Horizontal	123	1.07	-	24.01	31.42	7.46	34.09
AV	7.43935G	36.93	54.00	-17.07	10.56	3	Horizontal	131	1.04	-	26.37	36.56	8.60	34.60
PK	4.96051G	51.30	74.00	-22.70	4.79	3	Horizontal	123	1.07	-	46.51	31.42	7.46	34.09
PK	7.43935G	59.43	74.00	-14.57	10.56	3	Horizontal	131	1.04	-	48.87	36.56	8.60	34.60