



FCC Test Report

FCC ID : 2AO9Z-B5736
Equipment : Media Receiver
Model Name : B81AO1xxxx(Where "x" in model name
can be 0 to 9, A to Z, a to z, "/", "-" or
blank, for marketing purpose only)
Applicant : MCBP Technologies, LLC
103 Foulk Road, Suite 202, Wilmington,
DE 19803
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 30, 2018, and testing was started from Aug. 03, 2018 and completed on Aug. 08, 2018. 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	FCC 15.203
3.1	15.207	AC Power-line Conducted Emissions	PASS	FCC 15.207
3.2	15.247(a)	20dB Bandwidth	PASS	15.247(a)
3.2	15.247(a)	Carrier Frequency Separation	PASS	15.247(a)
3.3	15.247(b)	Maximum Conducted Output Power	PASS	15.247(b)
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Bandedge	PASS	15.247(a)
3.5	15.247(a)	Time of Occupancy (Dwell Time)	PASS	15.247(a)
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	15.247(d)
3.7	15.247(d)	Emissions in Restricted Frequency Bands	PASS	Restricted Bands: FCC 15.209

Reviewed by: Sam Chen

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Version	Ch. Frequency (MHz)	Channel Number
2400-2483.5	BR / EDR	2402-2480	0-78 [79]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	BT-BR(1Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(2Mbps)	1	1TX
2.4-2.4835GHz	BT-EDR(3Mbps)	1	1TX

Note:

- Bluetooth BR uses a GFSK (1Mbps).
- Bluetooth EDR uses a combination of $\pi/4$ -DQPSK (2Mbps) and 8DPSK (3Mbps).
- Bluetooth BR/EDR uses as a system using FHSS modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Part number (Main)	Part number (Aux)	Antenna Type	Connector
1	1	ADP6P-100000	-	PIFA	I-PEX
2	2	-	ADP6P-100001	PIFA	I-PEX

Ant.	Port	Gain (dBi)					
		2.4G	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	BT
1	1	1.90	1.84	1.84	1.95	1.88	1.9
2	2	1.81	1.60	1.60	1.89	1.89	-

Note 1: The EUT has two antennas.

Note 2 : Higher gain antenna was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4 GHz function:

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

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

For 5 GHz function:

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

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

For Bluetooth function:

For Bluetooth mode (1TX/1RX)

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
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)	0.784	1.057	2.887m	1k
BT-EDR(2Mbps)	0.742	1.296	2.889m	1k
BT-EDR(3Mbps)	0.744	1.284	2.891m	1k

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
- ◆ Public Notice DA 00-705
- ◆ ANSI C63.10-2013

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.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Jeff	24.2°C / 53%	07/Aug/2018
RF Conducted	TH01-HY	Barry	23.5°C / 65%	03/Aug/2018
Radiated	03CH09-HY	Andy	23.8°C / 59%	03/Aug/2018
Radiated (co-location)	03CH09-HY	Andy	24.2°C / 61%	08/Aug/2018

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)	3.6 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	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	QRCT Version3.0.303.0
-----------------------	-----------------------

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	9
2441MHz	9
2480MHz	9
BT-EDR(2Mbps)	-
2402MHz	9
2441MHz	9
2480MHz	9
BT-EDR(3Mbps)	-
2402MHz	9
2441MHz	9
2480MHz	9

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	Adapter 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-AFH Mode configuration was tested and 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	Adapter mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Bluetooth+WLAN 2.4G
2	Bluetooth+WLAN 5G
Refer to Sporton Test Report No.: FA860527 for Co-location RF Exposure Evaluation and Appendix H for Radiated Emission Co-location.	

2.4 Accessories

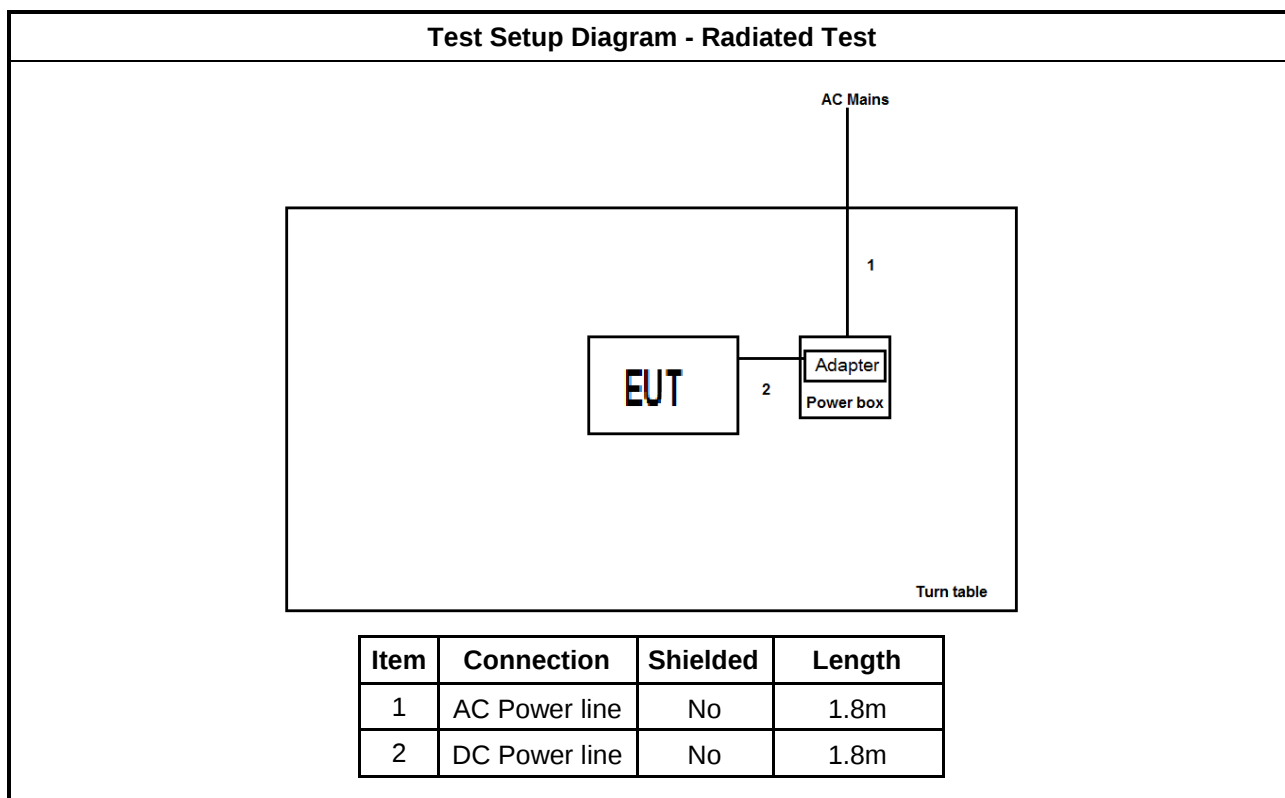
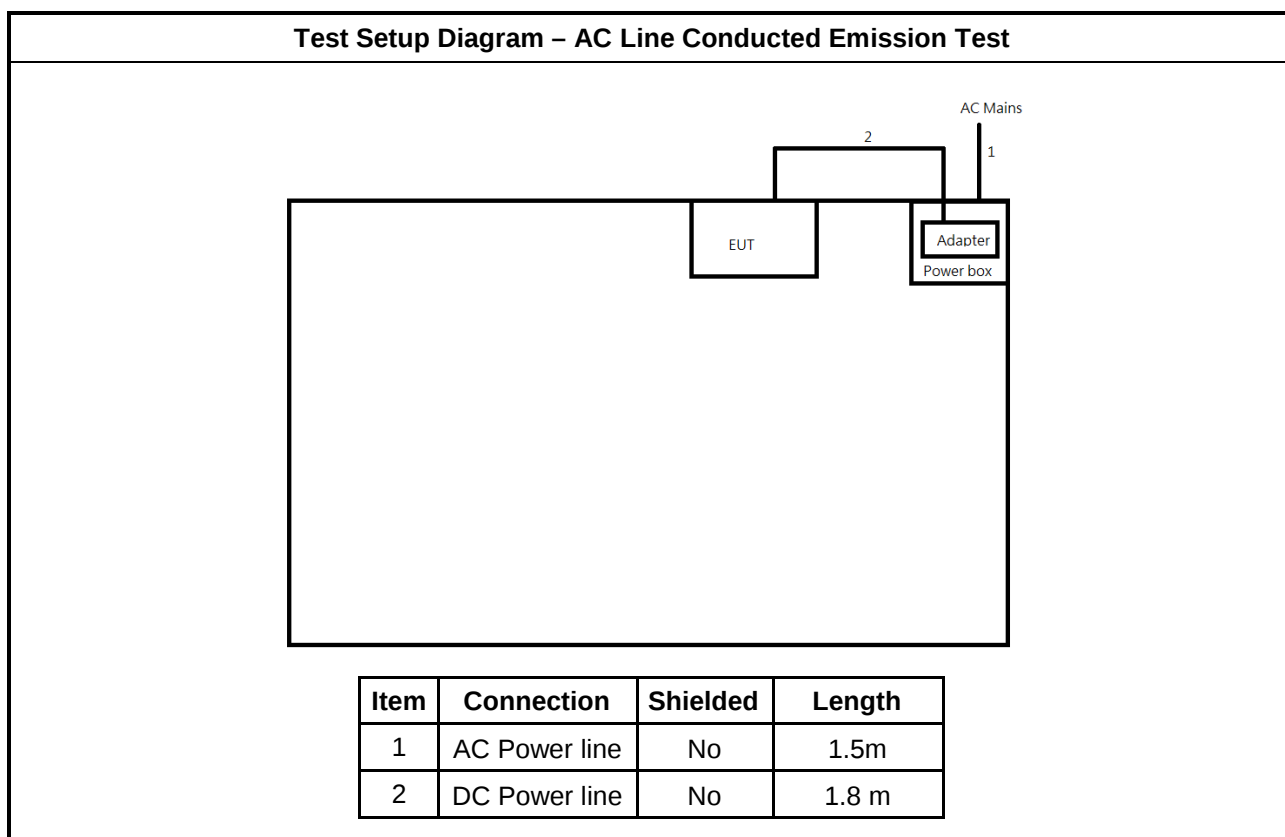
Accessories				
AC Adapter (EU Plug)	Brand Name	Chicony	Model Name	W18-045N1A
	Power Rating	I/P: 100- 240Vac, 1.2A, O/P: 19Vdc, 2.37A		
	Power Cord	1.8meter, Shielded cable, w/o ferrite core		

Reminder: Regarding to more detail and other information, please refer to user manual.

2.5 Support Equipment

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for Notebook	DELL	HA65NM130	DoC
3	AC Power Source	GW	APS-9102	-

2.6 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.

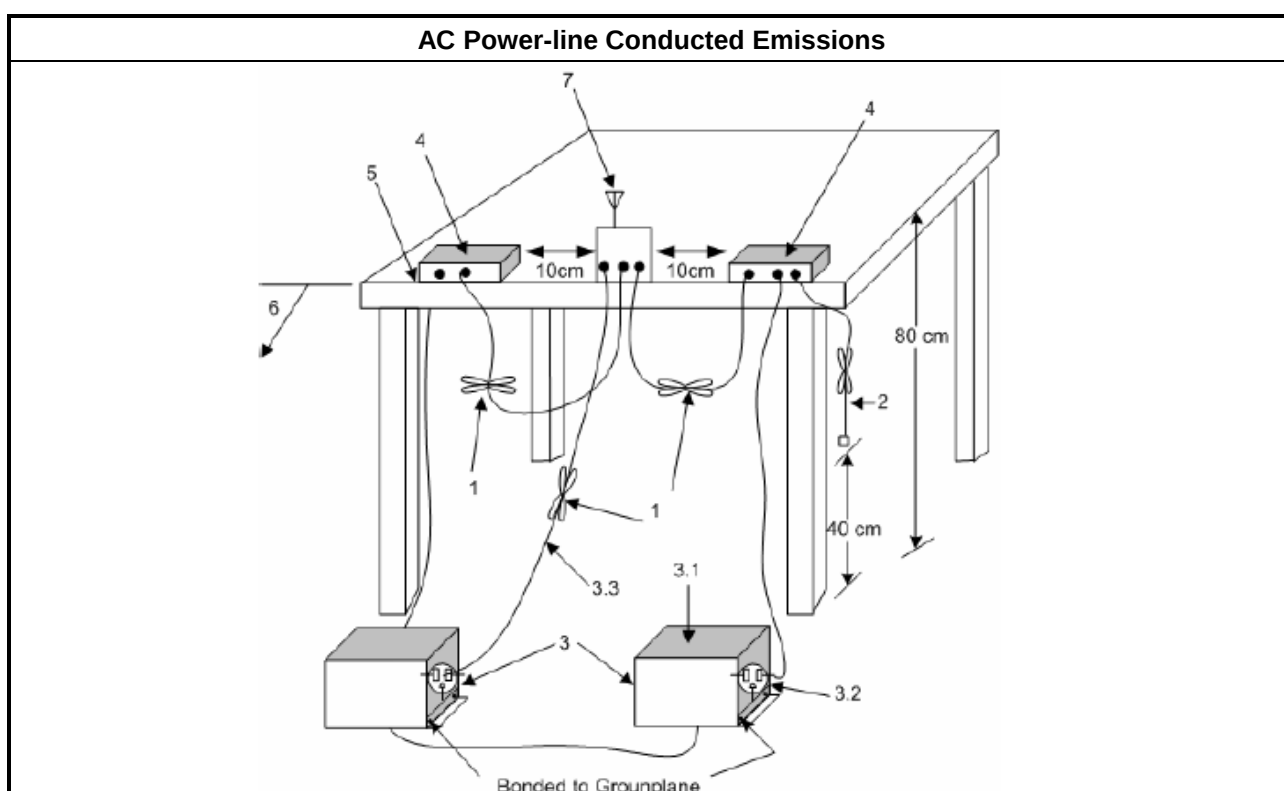
3.1.2 Measuring Instruments

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 foray 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 $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz).
	$75 > N \geq 15$ and $ChS \geq \text{MAX}$ (20 dB bandwidth 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

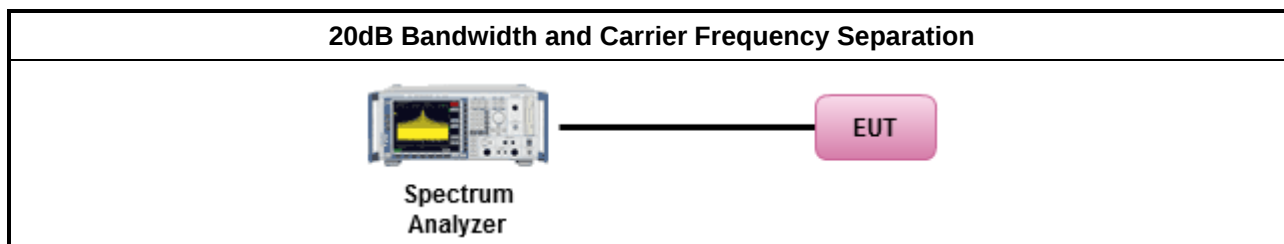
3.2.2 Measuring Instruments

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	

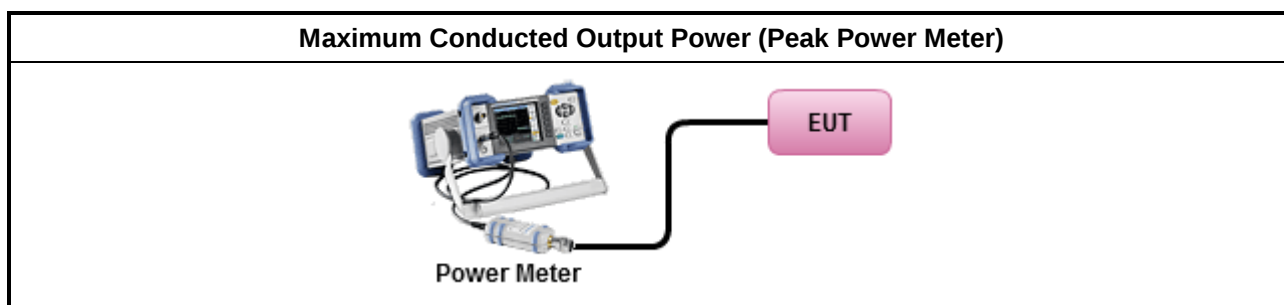
3.3.2 Measuring Instruments

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

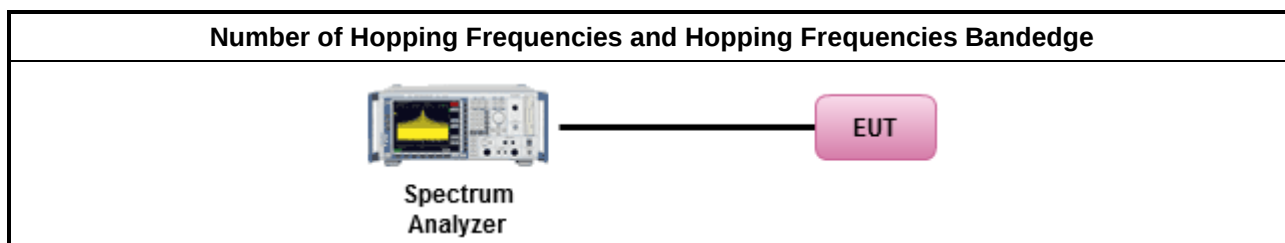
3.4.3 Measuring Instruments

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	

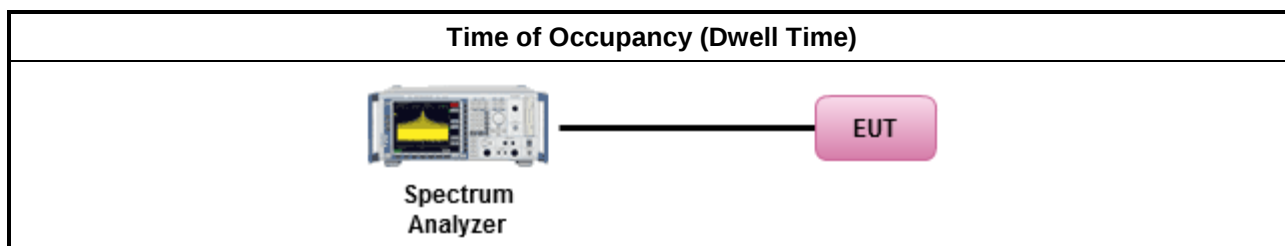
3.5.2 Measuring Instruments

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.	

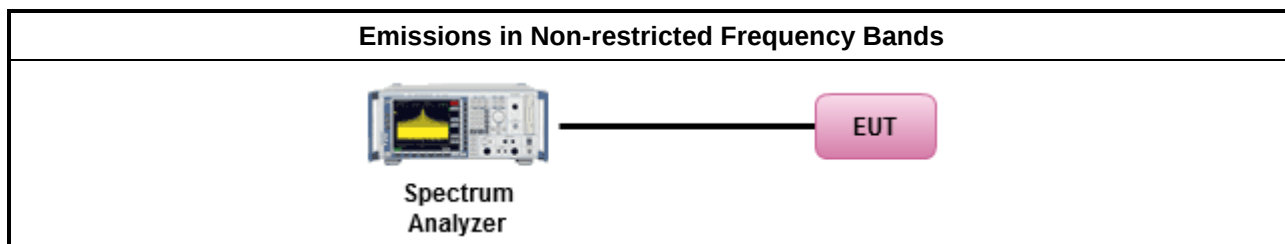
3.6.2 Measuring Instruments

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.

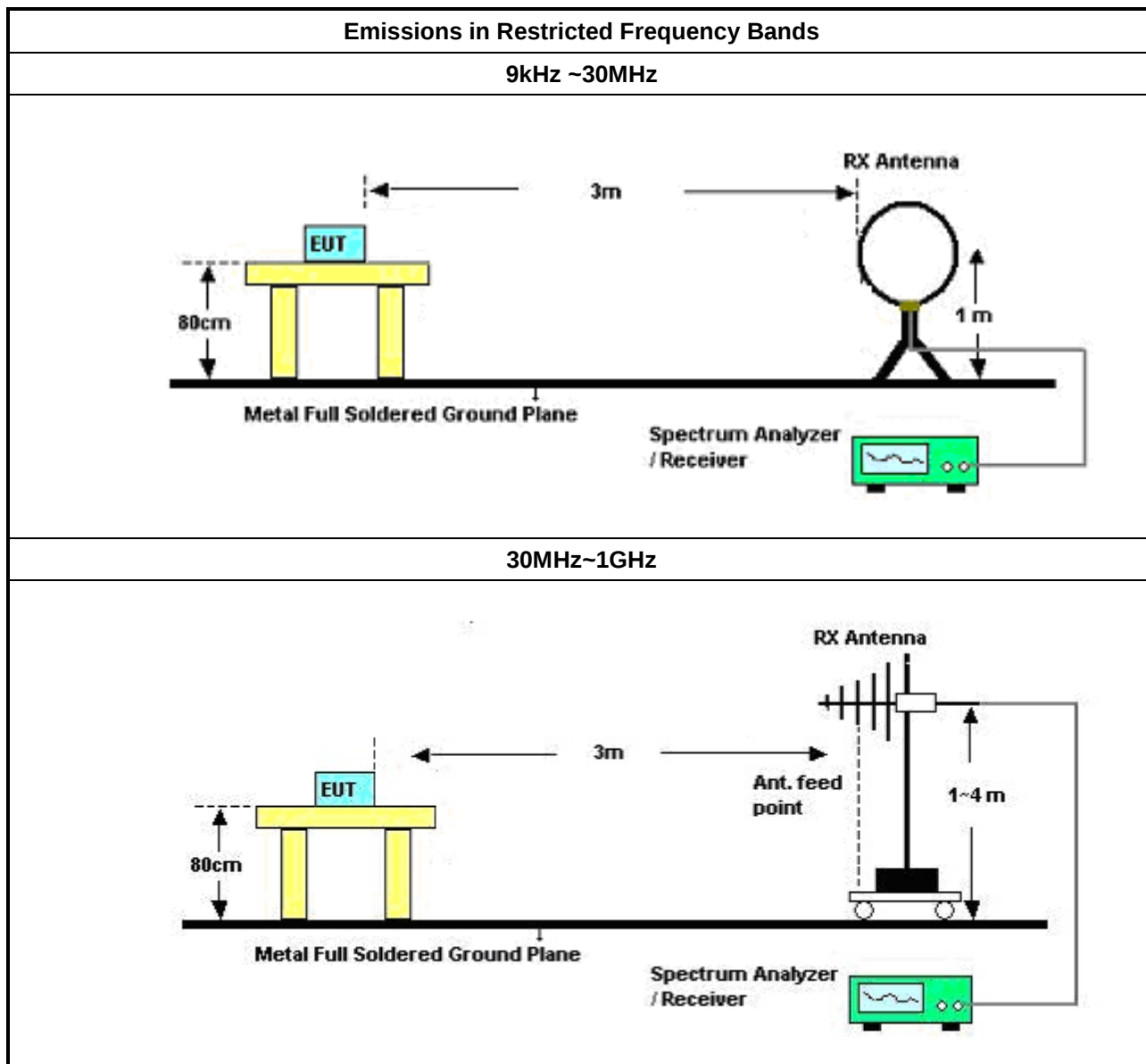
3.7.2 Measuring Instruments

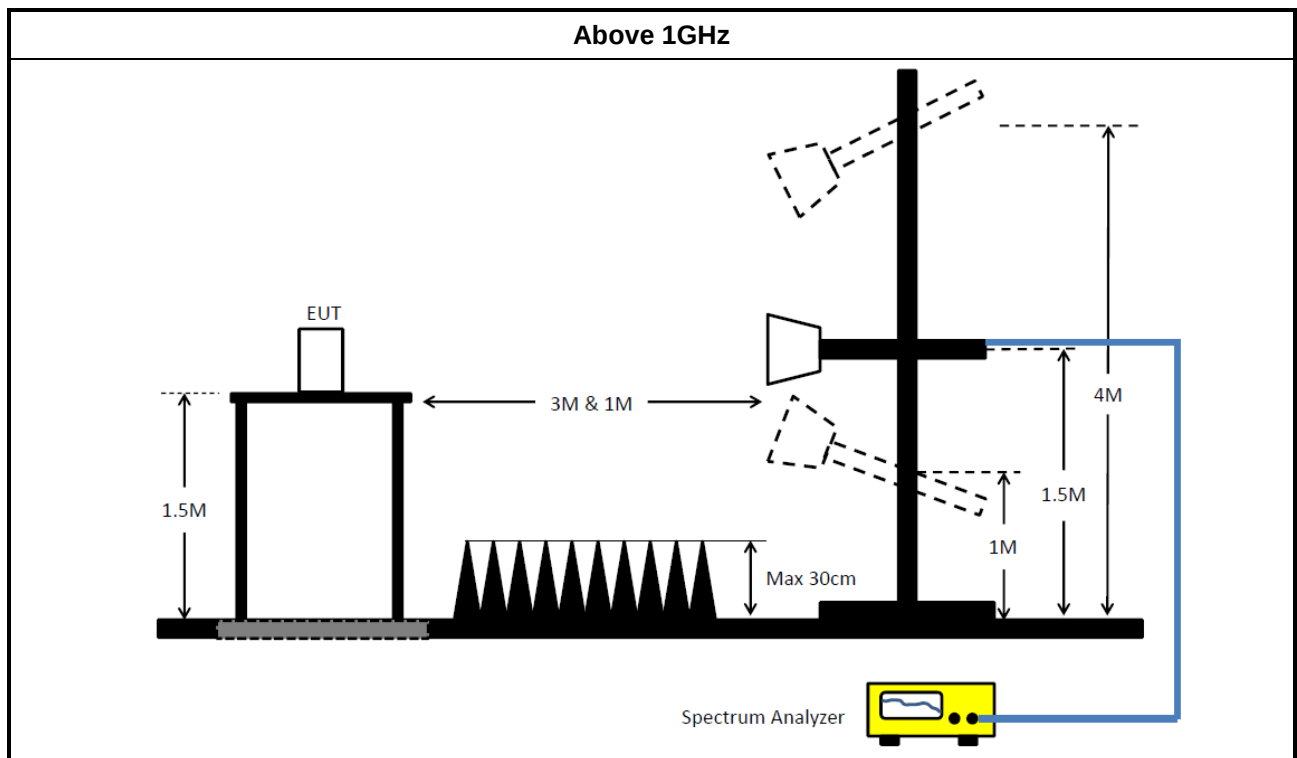
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [hopping duty factor].	
▪ Refer as ANSI C63.10; clause 6.9.2.2 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.

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	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz~30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz~30MHz	06/Oct/2017	05/Oct/2018
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	12/Oct/2017	11/Oct/2018

NCR : Non-Calibration Require

Instrument for Conducted Test

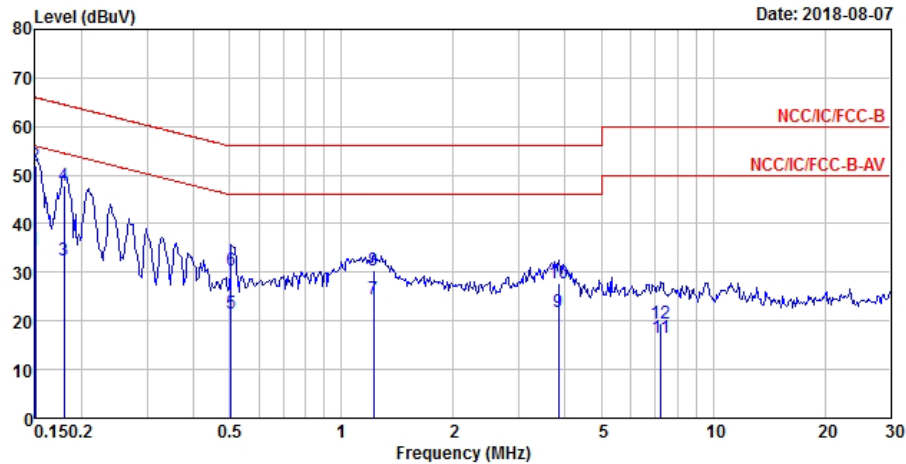
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101515	9kHz~40GHz	08/Dec/2017	07/Dec/2018
Power Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	06/Nov/2017	05/Nov/2018
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	06/Nov/2017	05/Nov/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz~26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz~26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-1m	HUBER+SUHNER	SUCOFLEX_104	MY37332/4	30MHz~26.5GHz	26/Jan/2018	25/Jan/2019
Signal Generator	R&S	SMR40	100116	10MHz~40GHz	26/Jul/2018	25/Jul/2019

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	23/Apr/2018	22/Apr/2019
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz	14/Jun/2018	13/Jun/2019
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	10/May/2018	09/May/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	27/Apr/2018	26/Apr/2019
EXA Signal Analyzer	KEYSIGHT	N9010A	SG56070103	10Hz~44GHz	15/Dec/2016	14/Dec/2018
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	09/Sep/2017	08/Sep/2018
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	30/Apr/2018	29/Apr/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	09/Feb/2018	08/Feb/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	24/Aug/2017	23/Aug/2018
Loop Antenna	TESEQ	HLA 6120	31244	9k~30MHz	29/Mar/2018	28/Mar/2019
RF Cable-R03m	Jye Bao	RG142	CB031	9kHz~1GHz	1/Feb/2018	31/Jan/2019
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz~40GHz	14/Mar/2018	13/Mar/2019

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter Mode		



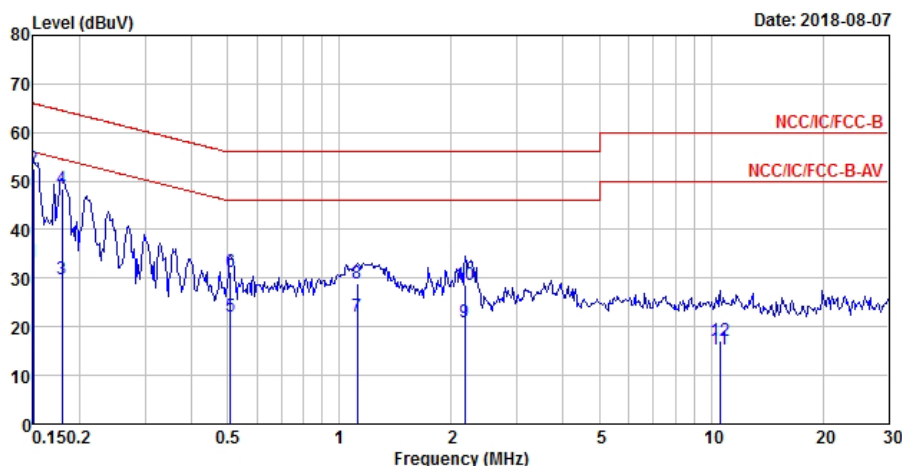
	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	34.61	-21.39	56.00	24.94	9.63	0.04	Average
2 MAX	0.15	52.07	-13.93	66.00	42.40	9.63	0.04	QP
3	0.18	32.49	-22.01	54.50	22.85	9.62	0.02	Average
4	0.18	47.94	-16.56	64.50	38.30	9.62	0.02	QP
5	0.50	21.61	-24.39	46.00	11.93	9.61	0.07	Average
6	0.50	30.32	-25.68	56.00	20.64	9.61	0.07	QP
7	1.22	24.47	-21.53	46.00	14.85	9.62	0.00	Average
8	1.22	30.37	-25.63	56.00	20.75	9.62	0.00	QP
9	3.84	21.73	-24.27	46.00	12.01	9.64	0.08	Average
10	3.84	27.65	-28.35	56.00	17.93	9.64	0.08	QP
11	7.25	16.56	-33.44	50.00	6.73	9.67	0.16	Average
12	7.25	19.40	-40.60	60.00	9.57	9.67	0.16	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter Mode		



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	33.22	-22.78	56.00	23.56	9.62	0.04	Average
2 MAX	0.15	52.53	-13.47	66.00	42.87	9.62	0.04	QP
3	0.18	29.75	-24.75	54.50	20.11	9.62	0.02	Average
4	0.18	48.32	-16.18	64.50	38.68	9.62	0.02	QP
5	0.51	22.27	-23.73	46.00	12.59	9.61	0.07	Average
6	0.51	31.28	-24.72	56.00	21.60	9.61	0.07	QP
7	1.12	22.22	-23.78	46.00	12.61	9.61	0.00	Average
8	1.12	28.91	-27.09	56.00	19.30	9.61	0.00	QP
9	2.18	21.09	-24.91	46.00	11.46	9.62	0.01	Average
10	2.18	28.78	-27.22	56.00	19.15	9.62	0.01	QP
11	10.56	15.36	-34.64	50.00	5.53	9.66	0.17	Average
12	10.56	17.22	-42.78	60.00	7.39	9.66	0.17	QP

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
 Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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)	915k	853.323k	853KF1D	875k	848.326k
BT-EDR(2Mbps)	1.255M	1.192M	1M19G1D	1.254M	1.184M
BT-EDR(3Mbps)	1.255M	1.202M	1M20G1D	1.254M	1.196M

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;

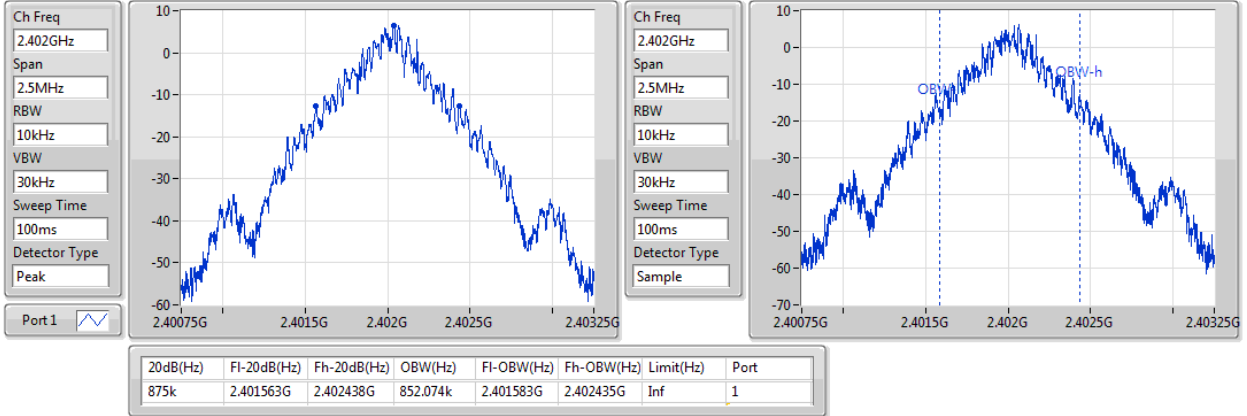
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	875k	852.074k
2441MHz_TnomVnom	Pass	Inf	877.5k	848.326k
2480MHz_TnomVnom	Pass	Inf	915k	853.323k
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.255M	1.192M
2441MHz_TnomVnom	Pass	Inf	1.254M	1.184M
2480MHz_TnomVnom	Pass	Inf	1.254M	1.191M
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.254M	1.202M
2441MHz_TnomVnom	Pass	Inf	1.255M	1.196M
2480MHz_TnomVnom	Pass	Inf	1.255M	1.201M

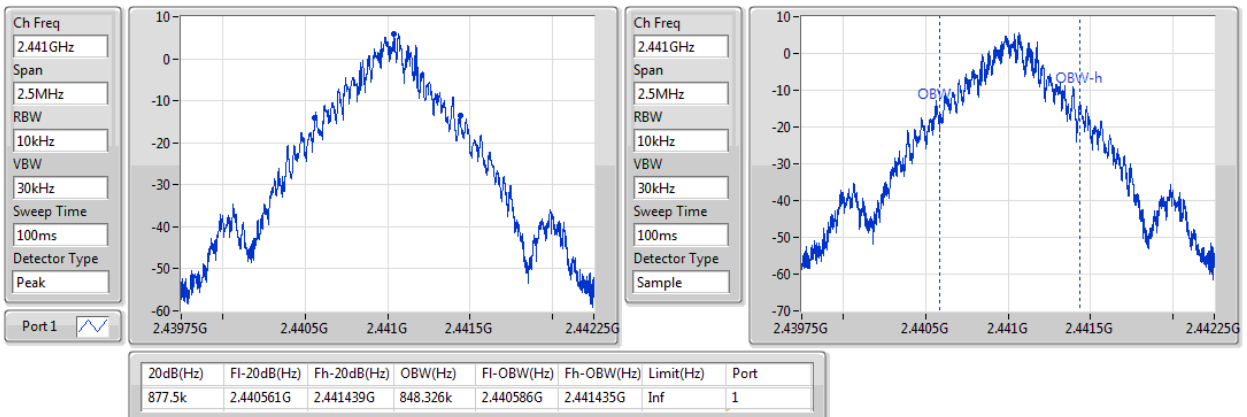
Port X-N dB = Port X 20dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

BT-BR(1Mbps)
EBW
2402MHz

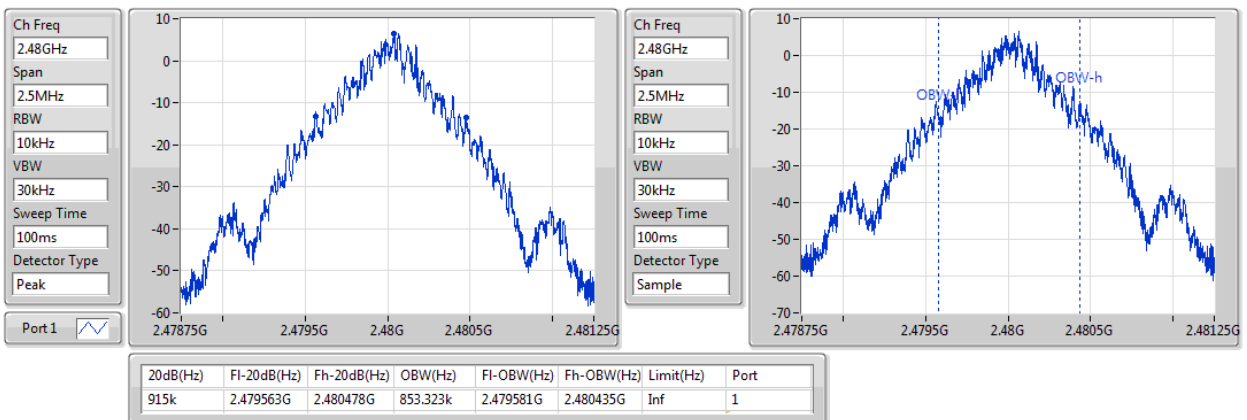
07/08/2018


BT-BR(1Mbps)
EBW
2441MHz

07/08/2018

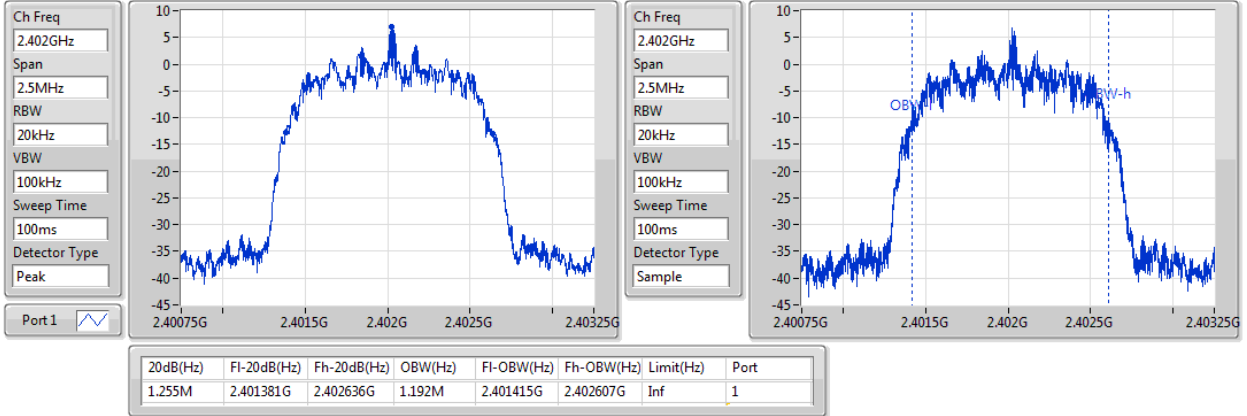

BT-BR(1Mbps)
EBW
2480MHz

07/08/2018

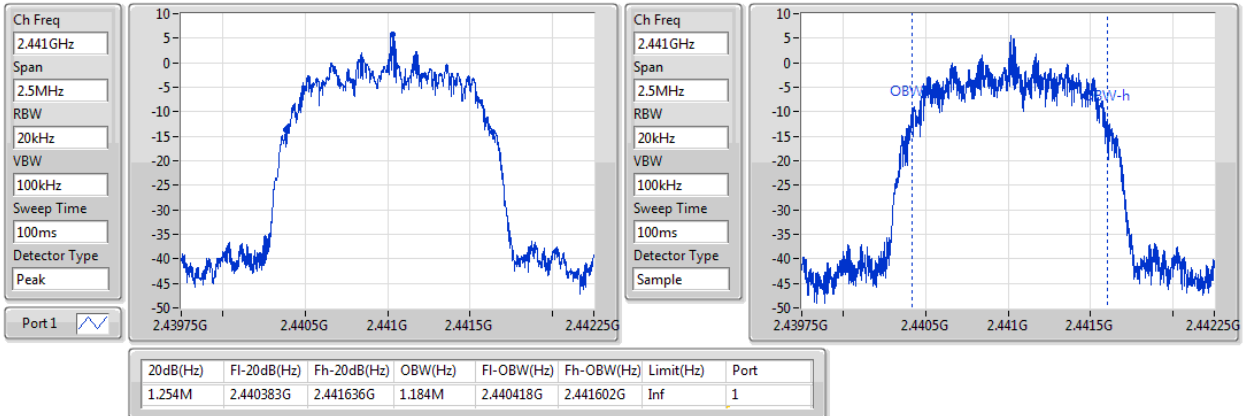


BT-EDR(2Mbps)
EBW
2402MHz

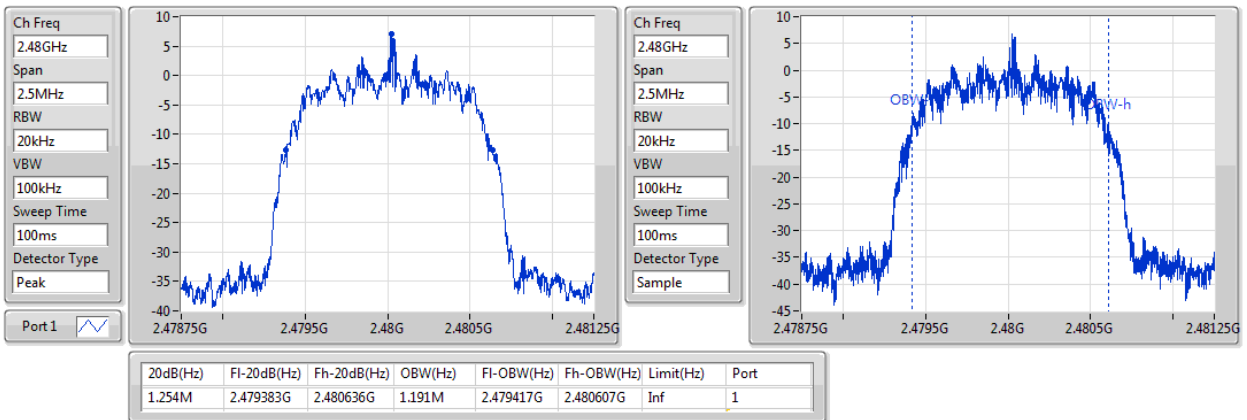
07/08/2018


BT-EDR(2Mbps)
EBW
2441MHz

07/08/2018

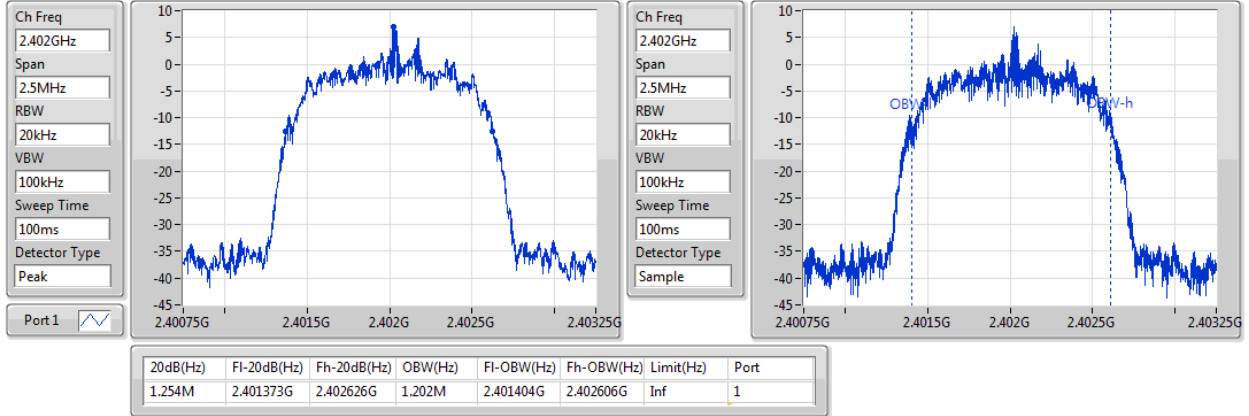

BT-EDR(2Mbps)
EBW
2480MHz

07/08/2018

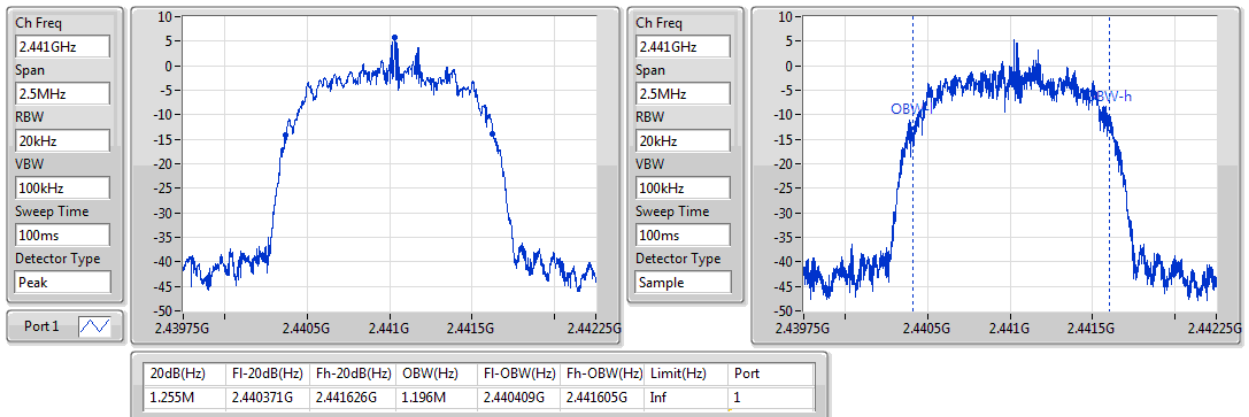


BT-EDR(3Mbps)
EBW
2402MHz

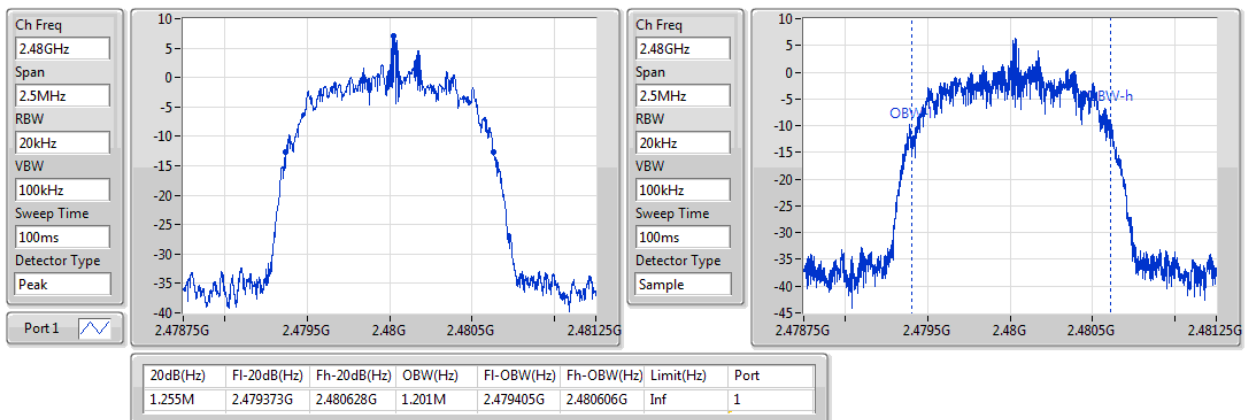
07/08/2018


BT-EDR(3Mbps)
EBW
2441MHz

07/08/2018


BT-EDR(3Mbps)
EBW
2480MHz

07/08/2018



Summary

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

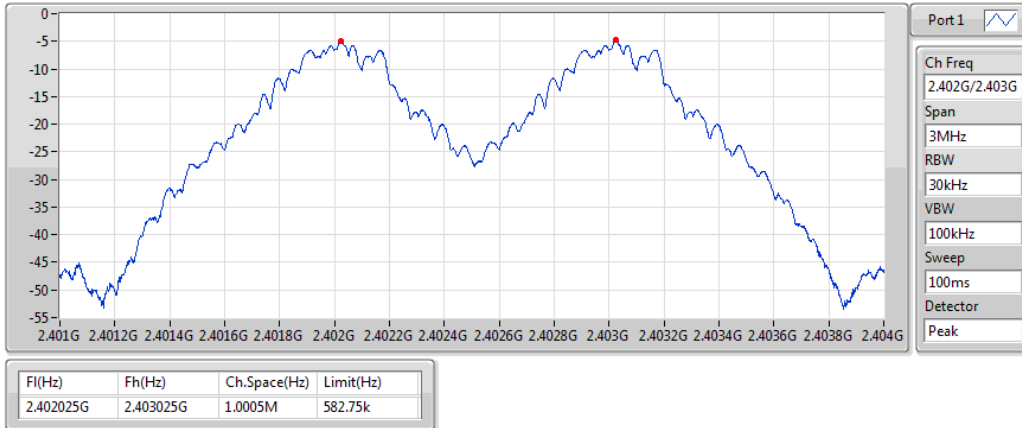
Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402025G	2.403025G	1.0005M	582.75k
2441MHz_TnomVnom	Pass	2.441025G	2.442024G	999k	584.415k
2480MHz_TnomVnom	Pass	2.479025G	2.480025G	1.0005M	609.39k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402023G	2.403025G	1.002M	835.83k
2441MHz_TnomVnom	Pass	2.441023G	2.442024G	1.0005M	835.164k
2480MHz_TnomVnom	Pass	2.479025G	2.480025G	1.0005M	835.164k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402023G	2.403025G	1.002M	835.164k
2441MHz_TnomVnom	Pass	2.441025G	2.442027G	1.002M	835.83k
2480MHz_TnomVnom	Pass	2.479026G	2.480025G	999k	46.62k

BT-BR(1Mbps)

Channel Separation

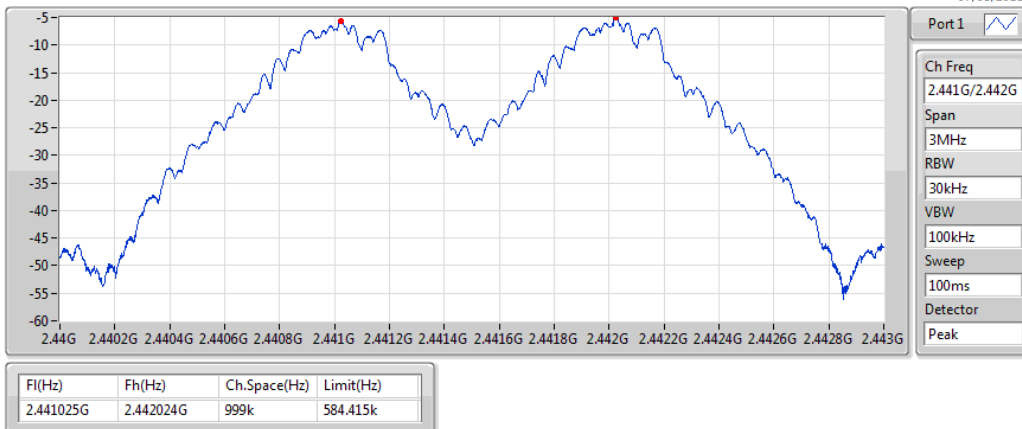
2.402G/2.403GHz



BT-BR(1Mbps)

Channel Separation

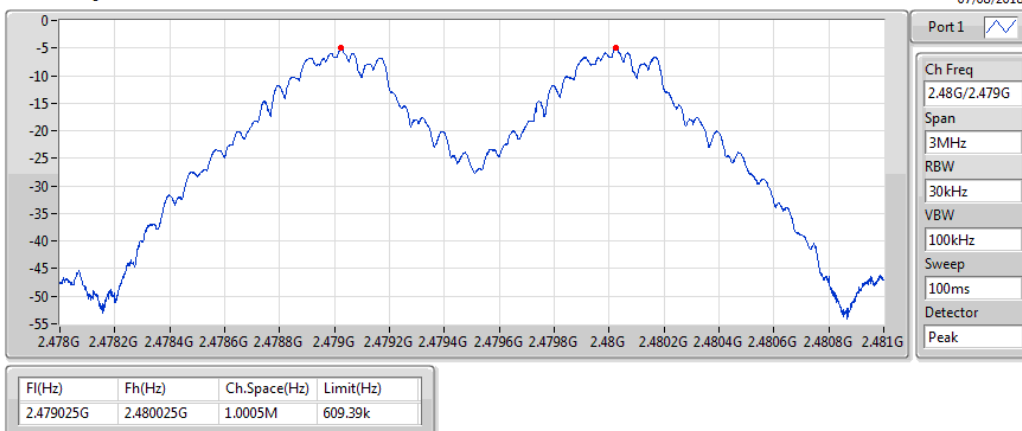
2.441G/2.442GHz



BT-BR(1Mbps)

Channel Separation

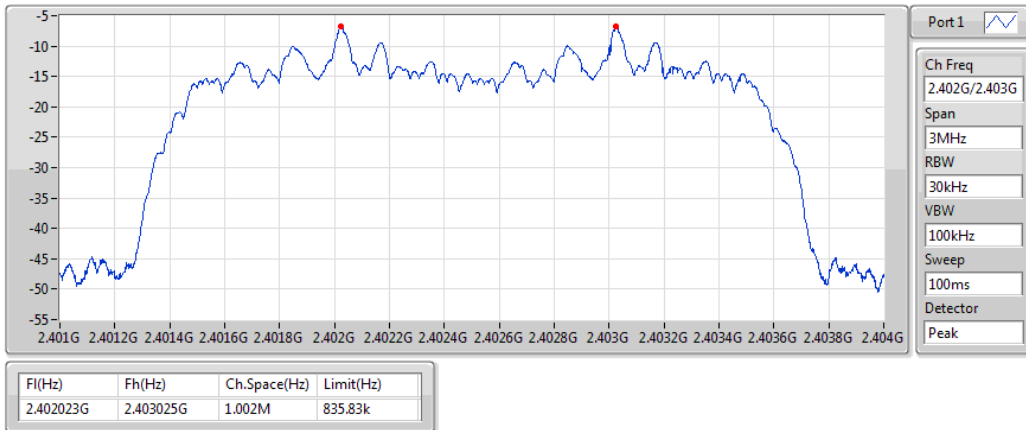
2.48G/2.479GHz



BT-EDR(2Mbps)

Channel Separation

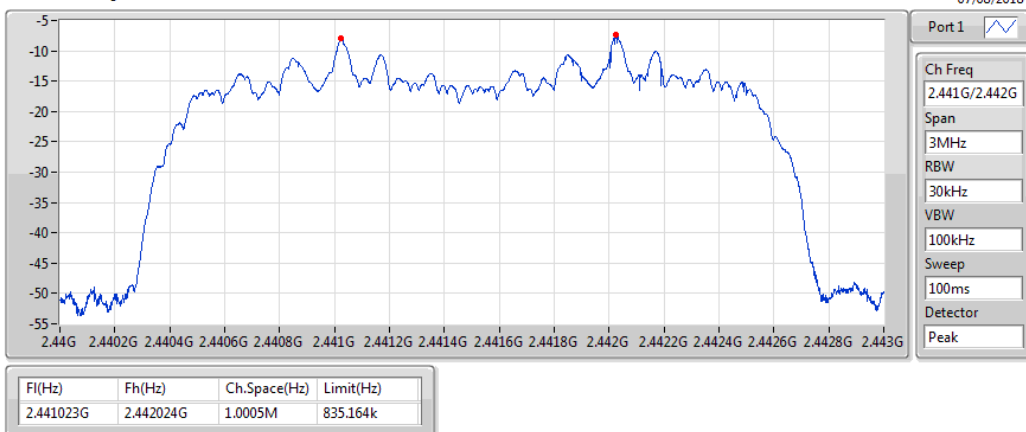
2.402G/2.403GHz



BT-EDR(2Mbps)

Channel Separation

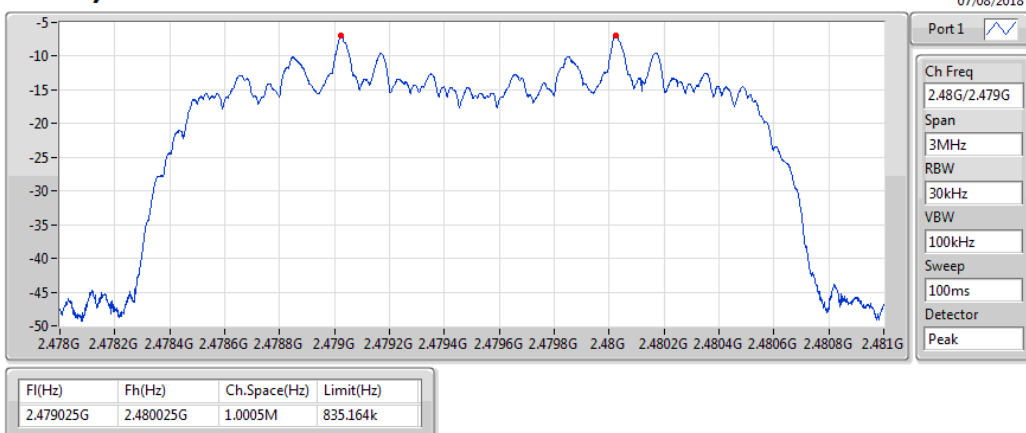
2.441G/2.442GHz



BT-EDR(2Mbps)

Channel Separation

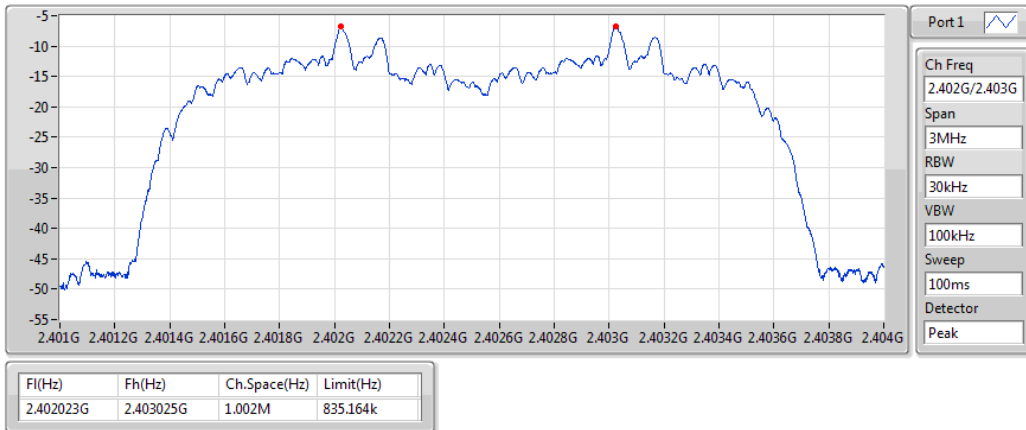
2.48G/2.479GHz



BT-EDR(3Mbps)

Channel Separation

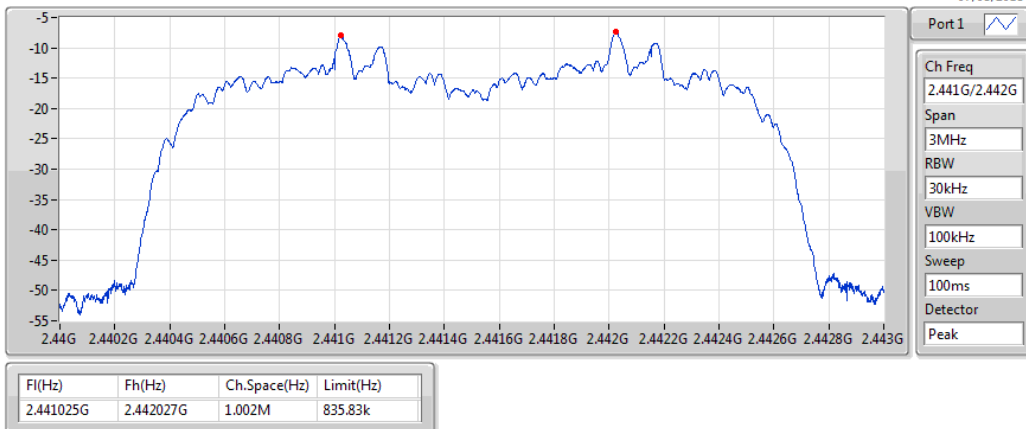
2.402G/2.403GHz



BT-EDR(3Mbps)

Channel Separation

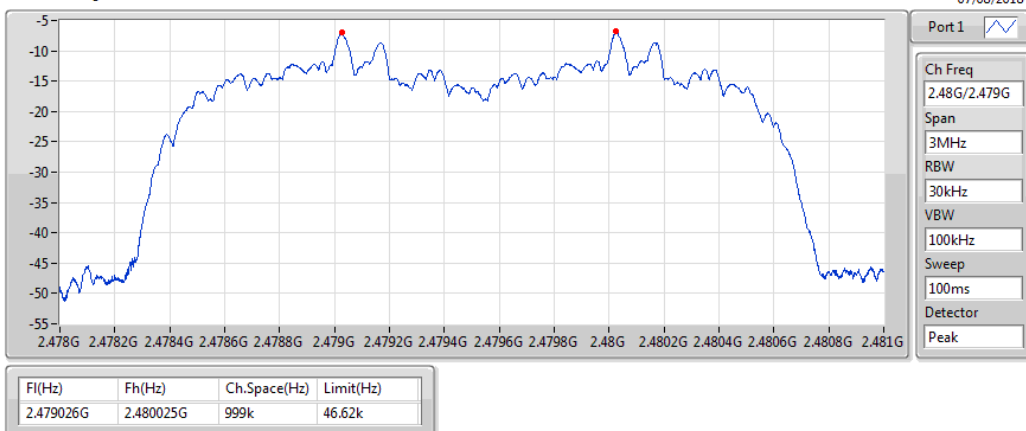
2.441G/2.442GHz



BT-EDR(3Mbps)

Channel Separation

2.48G/2.479GHz



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	12.03	0.01596
BT-EDR(2Mbps)	11.48	0.01406
BT-EDR(3Mbps)	11.68	0.01472

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	1.90	12.03	21.00
2441MHz_TnomVnom	Pass	1.90	11.34	21.00
2480MHz_TnomVnom	Pass	1.90	11.84	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	1.90	11.48	21.00
2441MHz_TnomVnom	Pass	1.90	10.57	21.00
2480MHz_TnomVnom	Pass	1.90	11.31	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	1.90	11.68	21.00
2441MHz_TnomVnom	Pass	1.90	10.86	21.00
2480MHz_TnomVnom	Pass	1.90	11.59	21.00

Summary

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	11.76	0.01500
BT-EDR(2Mbps)	9.17	0.00826
BT-EDR(3Mbps)	9.20	0.00832

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	1.90	11.76	21.00
2441MHz_TnomVnom	Pass	1.90	11.01	21.00
2480MHz_TnomVnom	Pass	1.90	11.54	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	1.90	9.17	21.00
2441MHz_TnomVnom	Pass	1.90	8.00	21.00
2480MHz_TnomVnom	Pass	1.90	8.90	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	1.90	9.20	21.00
2441MHz_TnomVnom	Pass	1.90	7.97	21.00
2480MHz_TnomVnom	Pass	1.90	9.00	21.00

Summary

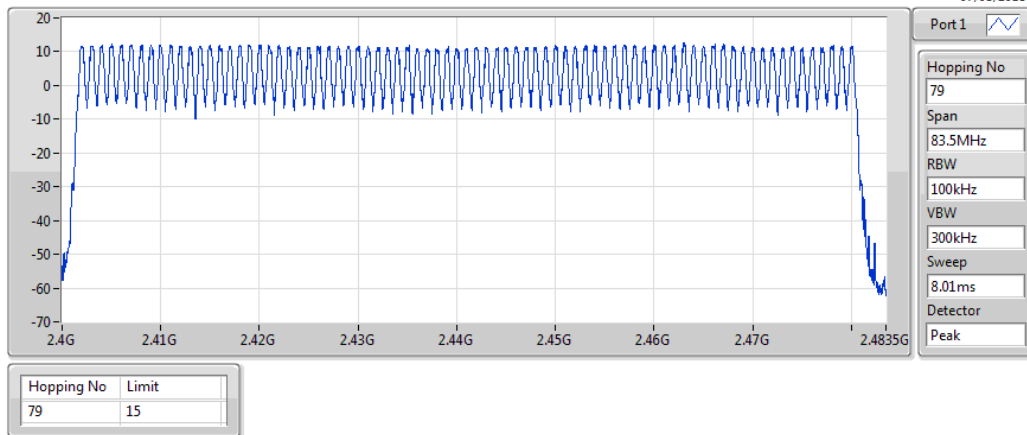
Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

Mode	Result	Hopping No	Limit
BT-BR(1Mbps)	-	-	-
2441MHz_TnomVnom	Pass	79	15
BT-EDR(2Mbps)	-	-	-
2441MHz_TnomVnom	Pass	79	15
BT-EDR(3Mbps)	-	-	-
2441MHz_TnomVnom	Pass	79	15

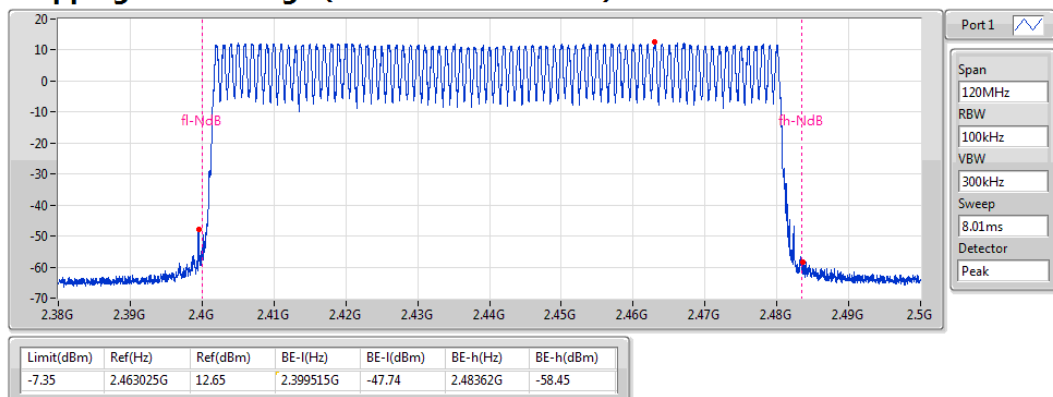
BT-BR(1Mbps) 2441MHz

Hopping Ch



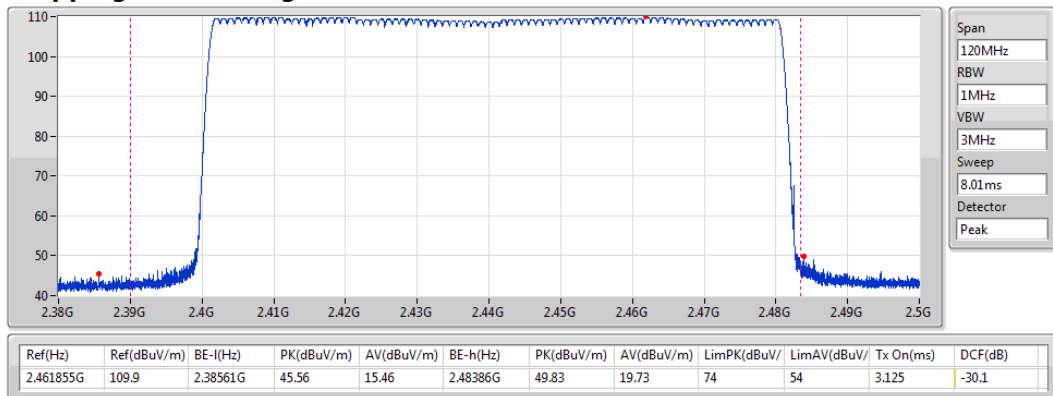
BT-BR(1Mbps) 2441MHz

Hopping Ch Bandedge (Non-restricted Band)



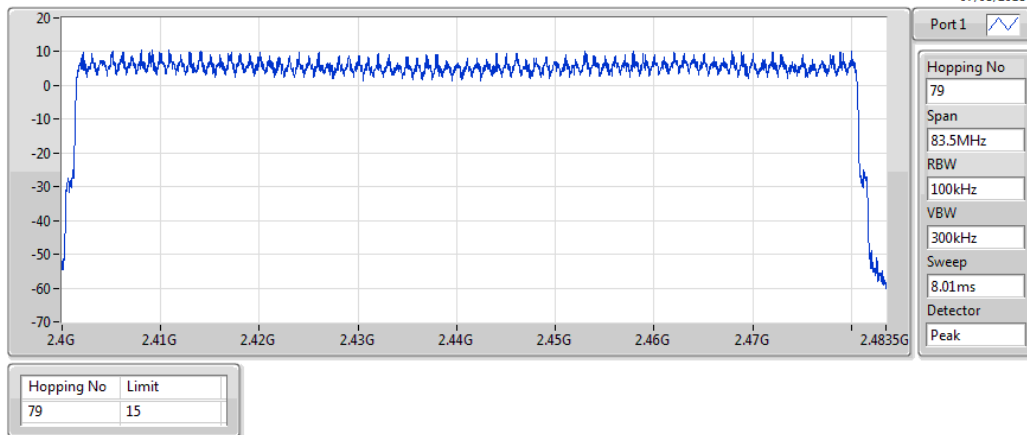
BT-BR(1Mbps) 2441MHz

Hopping Ch Bandedge (Restricted Band)



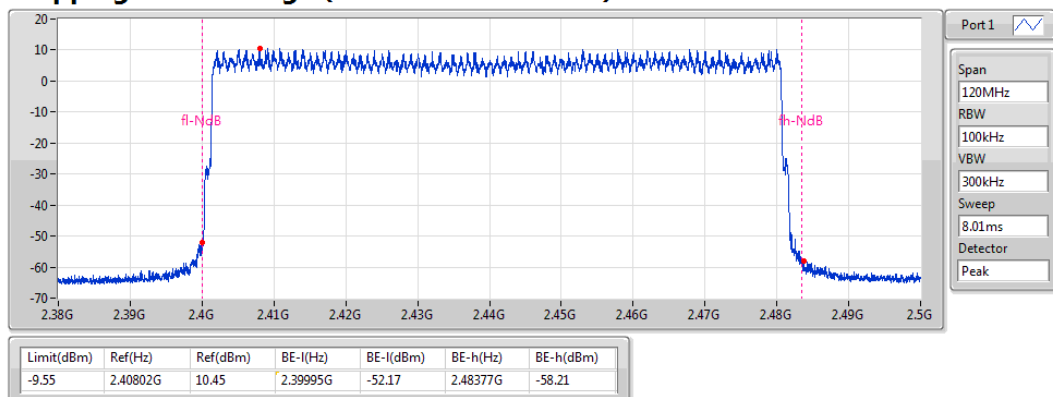
BT-EDR(2Mbps) 2441MHz

Hopping Ch



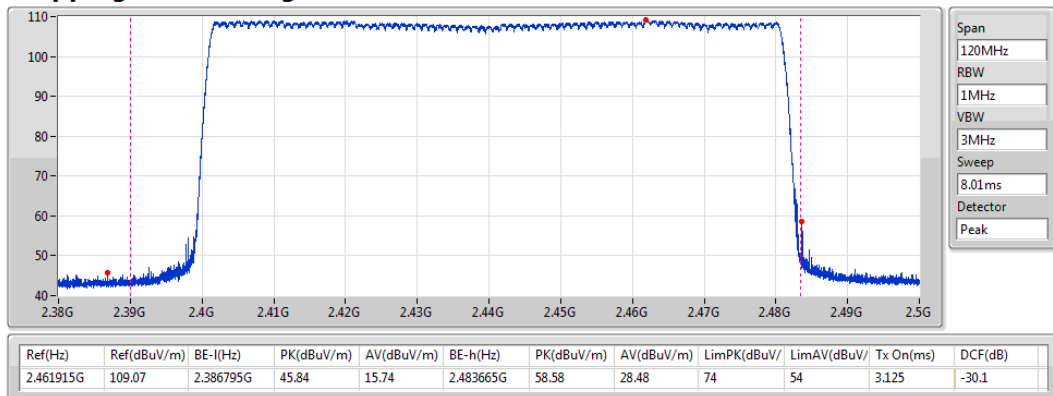
BT-EDR(2Mbps) 2441MHz

Hopping Ch Bandedge (Non-restricted Band)



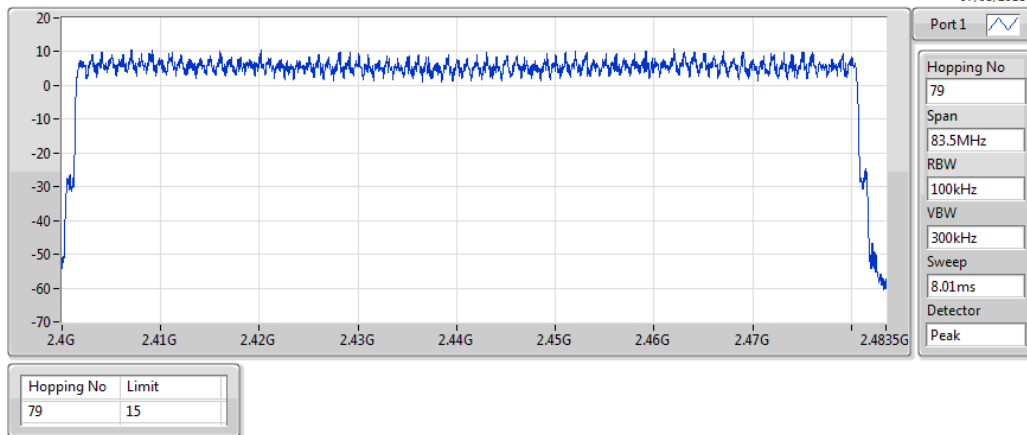
BT-EDR(2Mbps) 2441MHz

Hopping Ch Bandedge (Restricted Band)



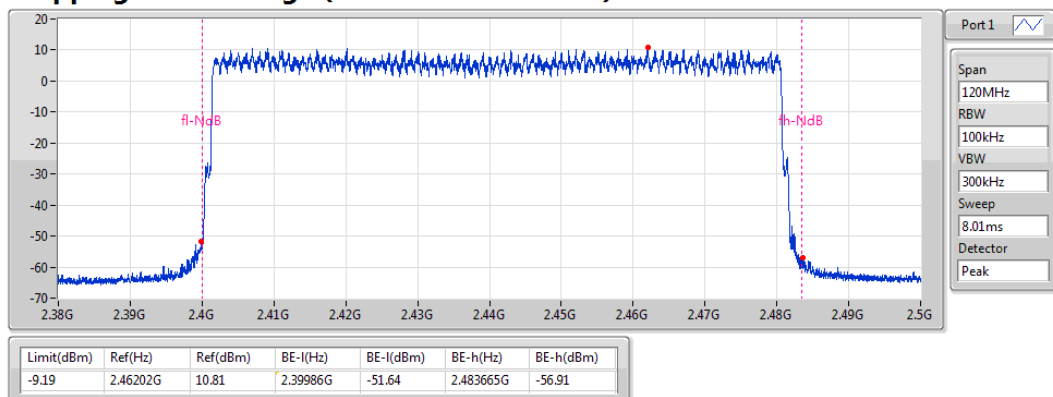
BT-EDR(3Mbps) 2441MHz

Hopping Ch



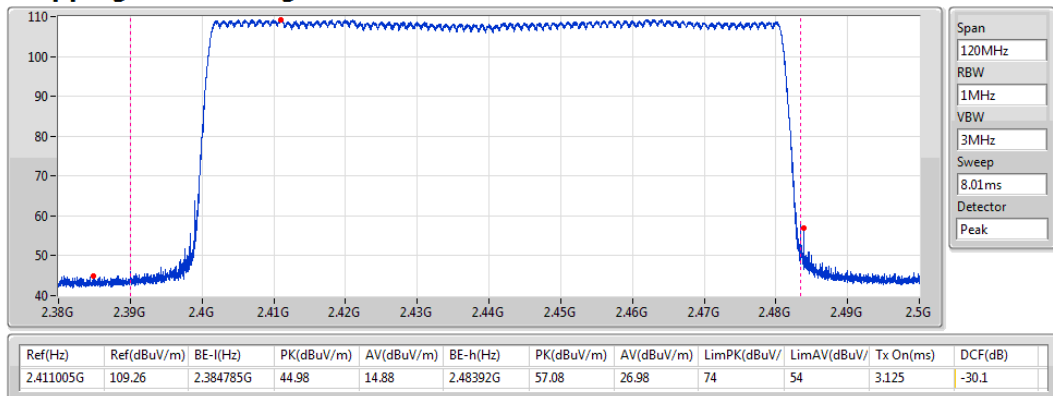
BT-EDR(3Mbps) 2441MHz

Hopping Ch Bandedge (Non-restricted Band)



BT-EDR(3Mbps) 2441MHz

Hopping Ch Bandedge (Restricted Band)



**Summary**

Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	308.074m
BT-EDR(2Mbps)	308.2872m
BT-EDR(3Mbps)	308.5004m

Result

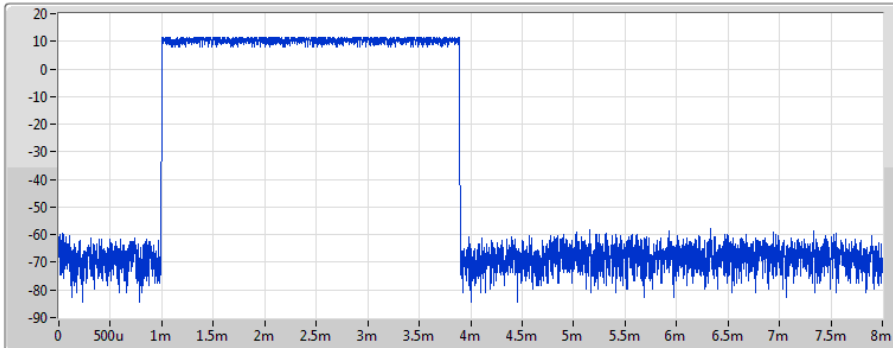
Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	308.074m	400m	2.89m
BT-EDR(2Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	308.2872m	400m	2.892m
BT-EDR(3Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	308.5004m	400m	2.894m

BT-BR(1Mbps)

2441MHz

Dwell

07/08/2018



Port 1 

Ch Freq
2.441GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.89ms

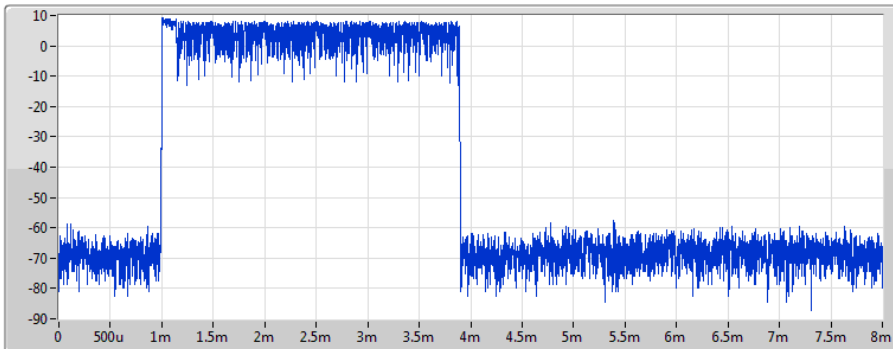
Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.074m	400m	2.89m

BT-EDR(2Mbps)

2441MHz

Dwell

07/08/2018



Port 1 

Ch Freq
2.441GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.892ms

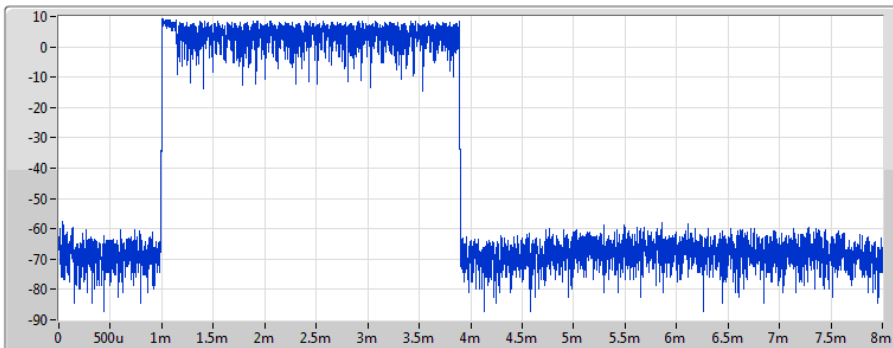
Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.2872m	400m	2.892m

BT-EDR(3Mbps)

2441MHz

Dwell

07/08/2018



Port 1 

Ch Freq
2.441GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.894ms

Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.5004m	400m	2.894m

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)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.402004G	11.74	-8.26	2.398G	-63.04	2.399988G	-42.80	2.483756G	-62.20	9.608525G	-36.69	1
BT-EDR(2Mbps)	Pass	2.402004G	7.89	-12.11	2.394448G	-61.18	2.399936G	-45.66	2.483764G	-63.02	9.608525G	-42.89	1
BT-EDR(3Mbps)	Pass	2.40167G	7.37	-12.63	790.128M	-63.72	2.399996G	-45.46	2.485436G	-62.34	17.452014G	-53.44	1

Result

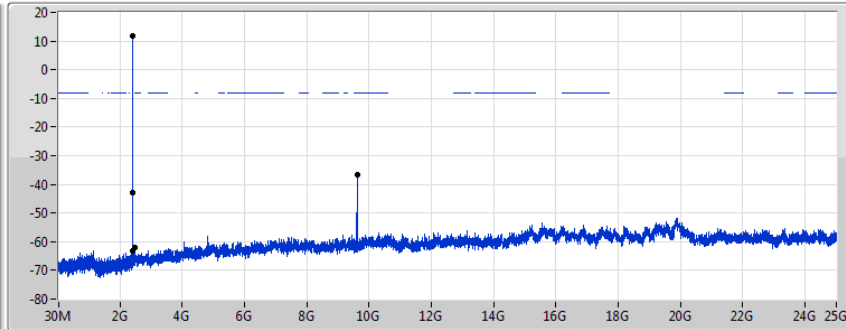
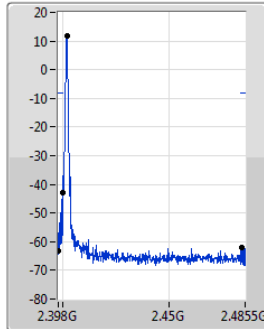
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402004G	11.74	-8.26	2.398G	-63.04	2.399988G	-42.80	2.483756G	-62.20	9.608525G	-36.69	1
2441MHz_TnomVnom	Pass	2.440915G	10.88	-9.12	2.308016G	-63.82	2.39976G	-62.80	2.485168G	-62.34	16.846937G	-53.88	1
2480MHz_TnomVnom	Pass	2.48016G	11.52	-8.48	801.968M	-64.62	2.39916G	-63.23	2.48358G	-55.00	9.918099G	-38.06	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402004G	7.89	-12.11	2.394448G	-61.18	2.399936G	-45.66	2.483764G	-63.02	9.608525G	-42.89	1
2441MHz_TnomVnom	Pass	2.441249G	6.95	-13.05	743.952M	-64.26	2.39992G	-62.77	2.484432G	-62.82	9.763312G	-49.38	1
2480MHz_TnomVnom	Pass	2.479993G	7.21	-12.79	573.456M	-64.06	2.399988G	-62.18	2.48352G	-56.61	9.920914G	-43.81	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.40167G	7.37	-12.63	790.128M	-63.72	2.399996G	-45.46	2.485436G	-62.34	17.452014G	-53.44	1
2441MHz_TnomVnom	Pass	2.440915G	6.30	-13.70	1.75864G	-63.67	2.399268G	-63.25	2.485332G	-62.10	9.763312G	-49.14	1
2480MHz_TnomVnom	Pass	2.478991G	7.71	-12.29	2.395632G	-62.57	2.399728G	-61.95	2.484528G	-57.78	9.915285G	-45.48	1

BT-BR(1Mbps)

CSE NdB

2402MHz

07/08/2018



Port1

RBW VSW
100kHz 300kHz
Detector Type
Peak

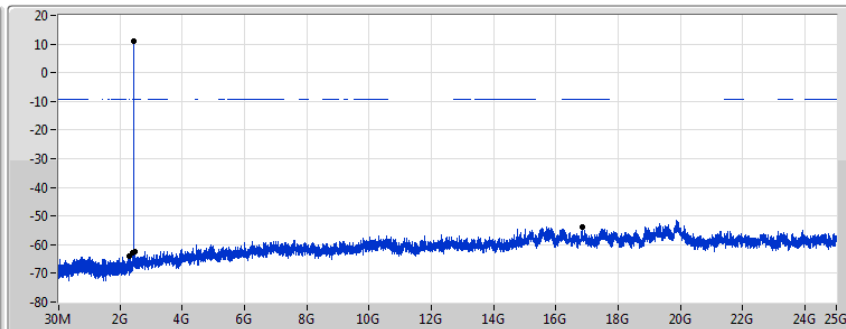
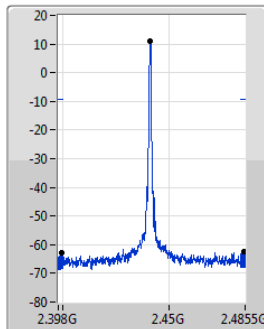
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.402004G	11.74	-8.26	2.398G	-63.04	2.399988G	-42.80	2.483756G	-62.20	9.608525G	-36.69	1

BT-BR(1Mbps)

CSE NdB

2441MHz

07/08/2018



Port1

RBW VSW
100kHz 300kHz
Detector Type
Peak

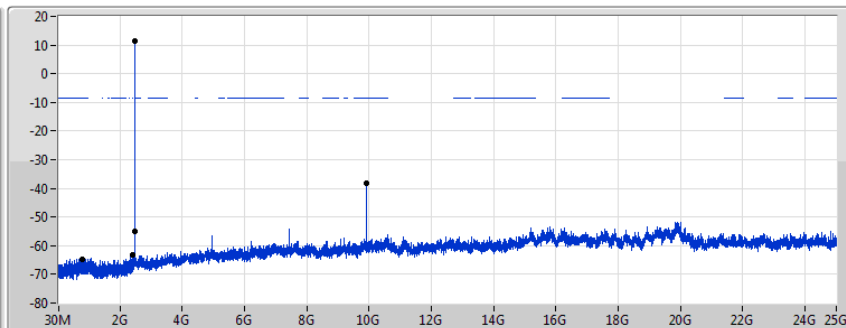
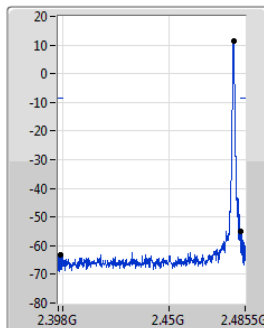
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440915G	10.88	-9.12	2.308016G	-63.82	2.39976G	-62.80	2.485168G	-62.34	16.846937G	-53.88	1

BT-BR(1Mbps)

CSE NdB

2480MHz

07/08/2018



Port1

RBW VSW
100kHz 300kHz
Detector Type
Peak

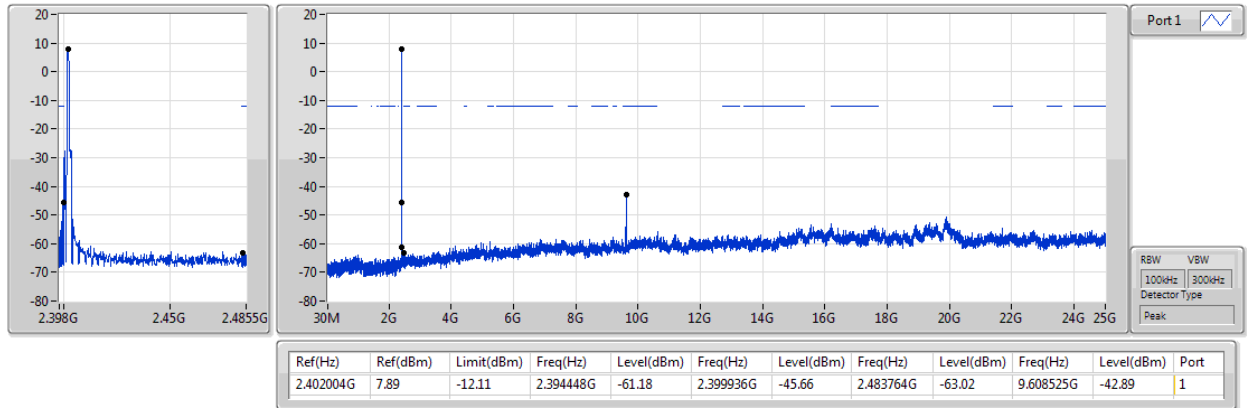
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48016G	11.52	-8.48	801.968M	-64.62	2.39916G	-63.23	2.48358G	-55.00	9.918099G	-38.06	1

BT-EDR(2Mbps)

CSE NdB

2402MHz

07/08/2018

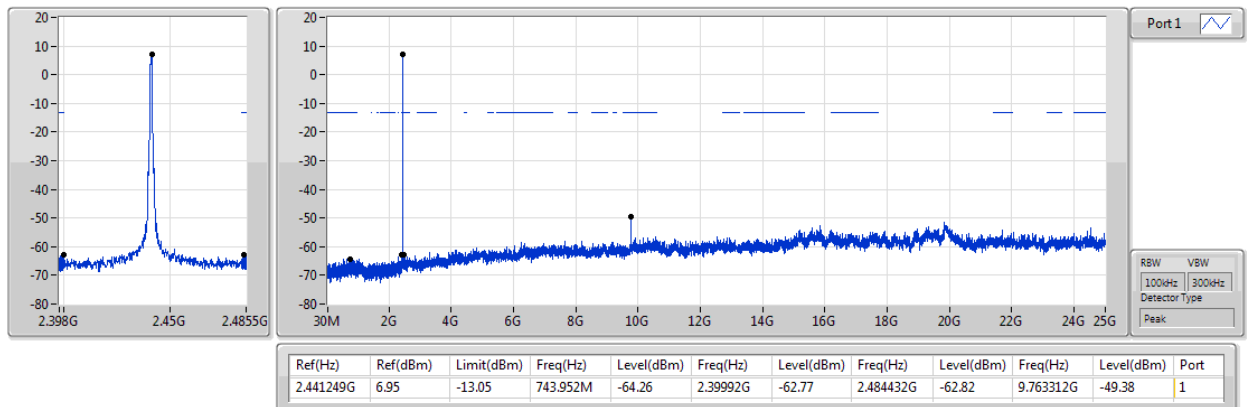


BT-EDR(2Mbps)

CSE NdB

2441MHz

07/08/2018

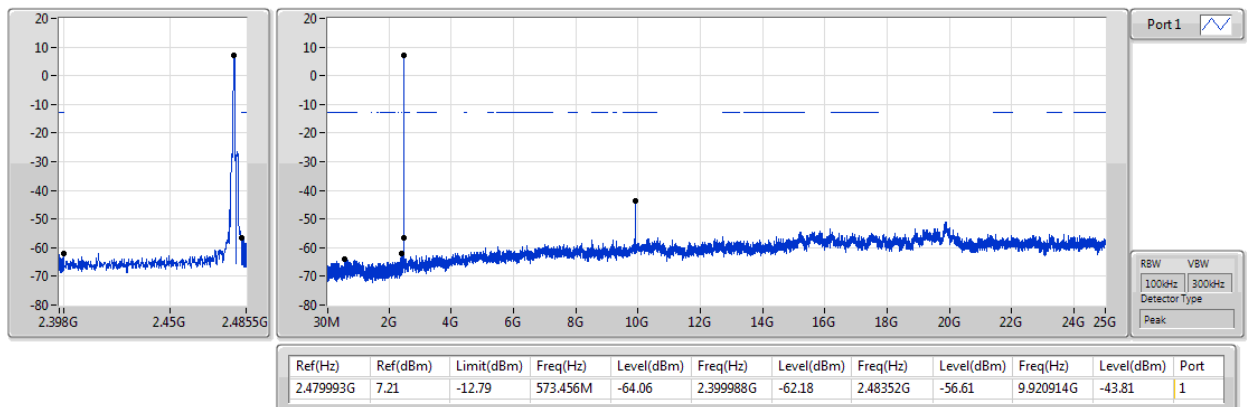


BT-EDR(2Mbps)

CSE NdB

2480MHz

07/08/2018

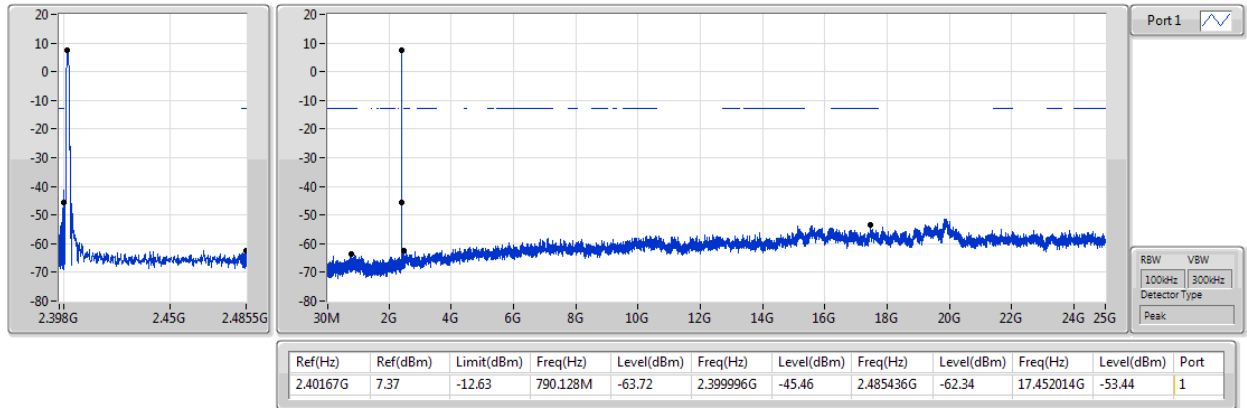


BT-EDR(3Mbps)

CSE NdB

2402MHz

07/08/2018

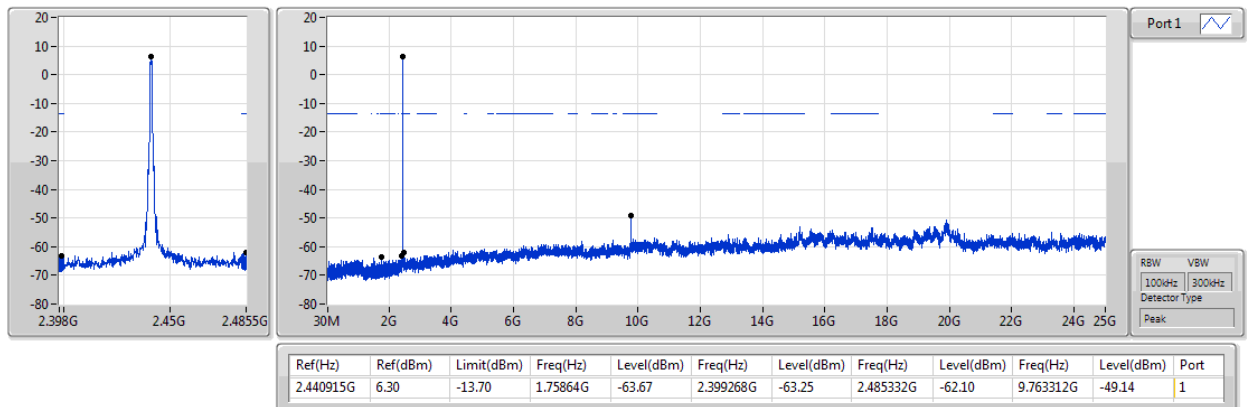


BT-EDR(3Mbps)

CSE NdB

2441MHz

07/08/2018

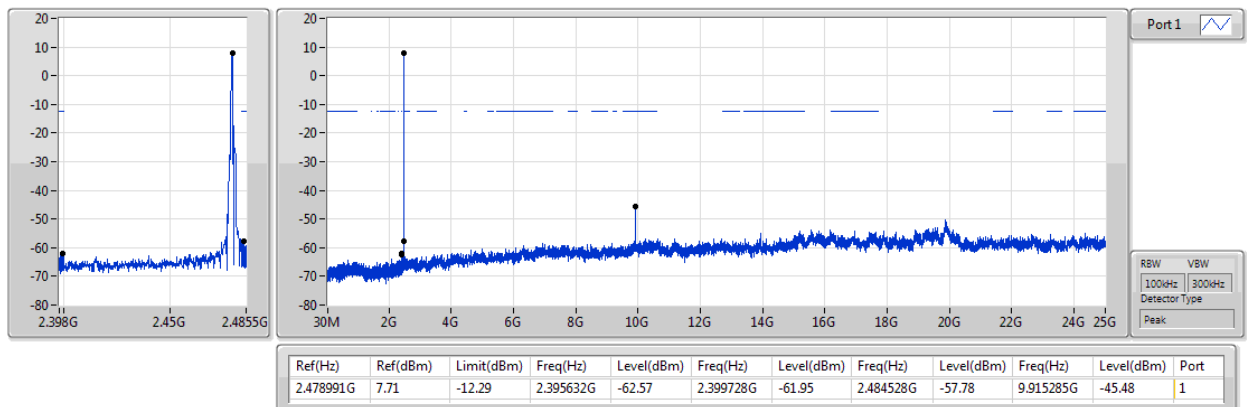


BT-EDR(3Mbps)

CSE NdB

2480MHz

07/08/2018





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	PK	30M	31.42	40.00	-8.58	-13.40	3	Vertical	360	1.00	-

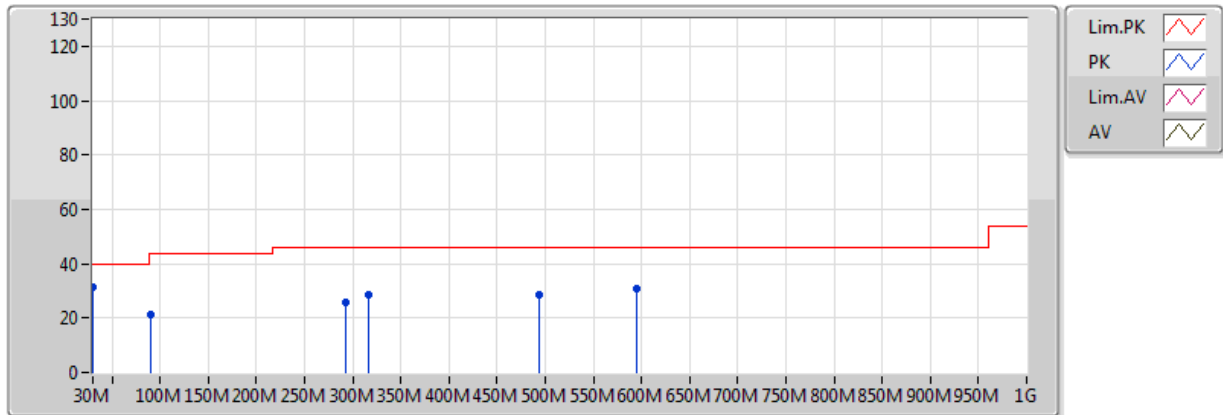
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2441MHz	Pass	PK	30M	31.42	40.00	-8.58	-13.40	3	Vertical	360	1.00	-
2441MHz	Pass	PK	90.14M	21.51	43.50	-21.99	-22.41	3	Vertical	360	1.00	-
2441MHz	Pass	PK	291.9M	26.00	46.00	-20.00	-16.84	3	Vertical	360	1.00	-
2441MHz	Pass	PK	317.12M	28.35	46.00	-17.65	-16.44	3	Vertical	360	1.00	-
2441MHz	Pass	PK	493.66M	28.77	46.00	-17.23	-12.19	3	Vertical	360	1.00	-
2441MHz	Pass	PK	594.54M	30.66	43.50	-15.34	-10.92	3	Vertical	360	1.00	-
2441MHz	Pass	PK	61.04M	25.92	40.00	-14.08	-25.64	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	165.8M	25.45	43.50	-18.05	-20.39	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	255.04M	27.38	46.00	-18.62	-16.39	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	317.12M	27.11	46.00	-18.89	-16.44	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	522.76M	27.47	46.00	-18.53	-12.12	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	953.44M	33.41	46.00	-12.59	-4.71	3	Horizontal	0	1.00	-

BT-BR(1Mbps)

2441MHz_Adapter

02/08/2018

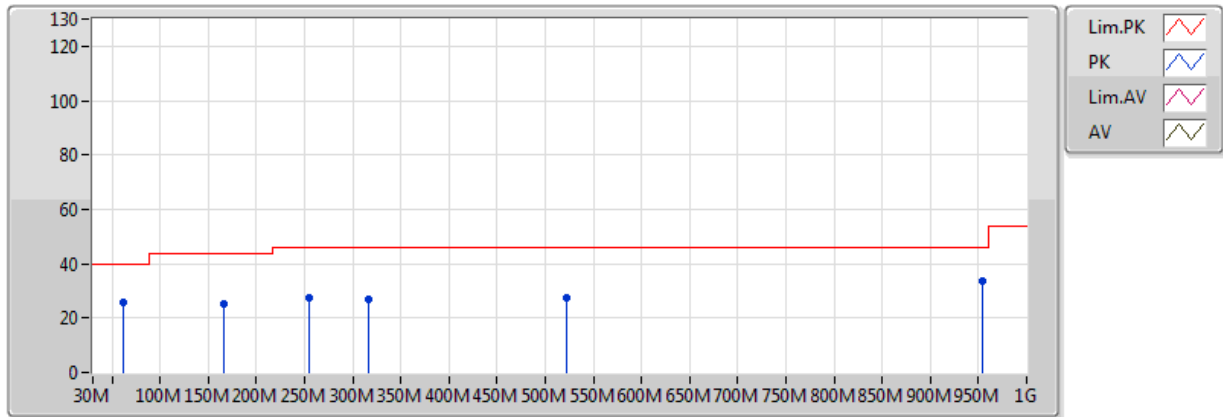


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	30M	31.42	40.00	-8.58	-13.40	3	Vertical	360	1.00	-
PK	90.14M	21.51	43.50	-21.99	-22.41	3	Vertical	360	1.00	-
PK	291.9M	26.00	46.00	-20.00	-16.84	3	Vertical	360	1.00	-
PK	317.12M	28.35	46.00	-17.65	-16.44	3	Vertical	360	1.00	-
PK	493.66M	28.77	46.00	-17.23	-12.19	3	Vertical	360	1.00	-
PK	594.54M	30.66	43.50	-15.34	-10.92	3	Vertical	360	1.00	-

BT-BR(1Mbps)

2441MHz_Adapter

02/08/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	61.04M	25.92	40.00	-14.08	-25.64	3	Horizontal	0	1.00	-
PK	165.8M	25.45	43.50	-18.05	-20.39	3	Horizontal	0	1.00	-
PK	255.04M	27.38	46.00	-18.62	-16.39	3	Horizontal	0	1.00	-
PK	317.12M	27.11	46.00	-18.89	-16.44	3	Horizontal	0	1.00	-
PK	522.76M	27.47	46.00	-18.53	-12.12	3	Horizontal	0	1.00	-
PK	953.44M	33.41	46.00	-12.59	-4.71	3	Horizontal	0	1.00	-

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	AV	2.483502G	43.38	54.00	-10.62	31.11	3	Vertical	172	1.52	-
BT-EDR(2Mbps)	Pass	AV	2.483502G	43.80	54.00	-10.20	31.11	3	Vertical	179	1.50	-
BT-EDR(3Mbps)	Pass	AV	2.483502G	43.89	54.00	-10.11	31.11	3	Vertical	175	1.50	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3886G	42.17	54.00	-11.83	30.77	3	Vertical	179	1.81	-
2402MHz	Pass	AV	2.402G	94.84	Inf	-Inf	30.82	3	Vertical	179	1.81	-
2402MHz	Pass	PK	2.3748G	55.54	74.00	-18.46	30.72	3	Vertical	179	1.81	-
2402MHz	Pass	PK	2.4018G	109.07	Inf	-Inf	30.82	3	Vertical	179	1.81	-
2402MHz	Pass	AV	2.3882G	42.15	54.00	-11.85	30.77	3	Horizontal	151	1.76	-
2402MHz	Pass	AV	2.402G	94.40	Inf	-Inf	30.82	3	Horizontal	151	1.76	-
2402MHz	Pass	PK	2.3896G	55.87	74.00	-18.13	30.77	3	Horizontal	151	1.76	-
2402MHz	Pass	PK	2.402G	108.58	Inf	-Inf	30.82	3	Horizontal	151	1.76	-
2402MHz	Pass	AV	4.80394G	29.21	54.00	-24.79	2.08	3	Vertical	127	1.59	-
2402MHz	Pass	PK	4.8064G	41.87	74.00	-32.13	2.09	3	Vertical	127	1.59	-
2402MHz	Pass	AV	4.804G	30.81	54.00	-23.19	2.08	3	Horizontal	261	1.50	-
2402MHz	Pass	PK	4.8154G	44.67	74.00	-29.33	2.11	3	Horizontal	261	1.50	-
2441MHz	Pass	AV	2.3894G	42.13	54.00	-11.87	30.77	3	Vertical	186	1.50	-
2441MHz	Pass	AV	2.441G	93.62	Inf	-Inf	30.96	3	Vertical	186	1.50	-
2441MHz	Pass	AV	2.4998G	42.95	54.00	-11.05	31.17	3	Vertical	186	1.50	-
2441MHz	Pass	PK	2.347G	57.18	74.00	-16.82	30.62	3	Vertical	186	1.50	-
2441MHz	Pass	PK	2.441G	107.45	Inf	-Inf	30.96	3	Vertical	186	1.50	-
2441MHz	Pass	PK	2.4866G	56.30	74.00	-17.70	31.12	3	Vertical	186	1.50	-
2441MHz	Pass	AV	2.3734G	42.10	54.00	-11.90	30.72	3	Horizontal	196	1.42	-
2441MHz	Pass	AV	2.441G	93.21	Inf	-Inf	30.96	3	Horizontal	196	1.42	-
2441MHz	Pass	AV	2.499G	42.94	54.00	-11.06	31.17	3	Horizontal	196	1.42	-
2441MHz	Pass	PK	2.3854G	55.51	74.00	-18.49	30.76	3	Horizontal	196	1.42	-
2441MHz	Pass	PK	2.441G	106.94	Inf	-Inf	30.96	3	Horizontal	196	1.42	-
2441MHz	Pass	PK	2.4978G	56.13	74.00	-17.87	31.16	3	Horizontal	196	1.42	-
2441MHz	Pass	AV	4.88194G	29.31	54.00	-24.69	2.27	3	Vertical	210	1.49	-
2441MHz	Pass	PK	4.88896G	41.75	74.00	-32.25	2.29	3	Vertical	210	1.49	-
2441MHz	Pass	AV	4.88464G	26.91	54.00	-27.09	2.28	3	Horizontal	285	1.50	-
2441MHz	Pass	PK	4.8865G	39.63	74.00	-34.37	2.29	3	Horizontal	285	1.50	-
2480MHz	Pass	AV	2.48G	94.42	Inf	-Inf	31.10	3	Vertical	172	1.52	-
2480MHz	Pass	AV	2.483502G	43.38	54.00	-10.62	31.11	3	Vertical	172	1.52	-
2480MHz	Pass	PK	2.48G	108.35	Inf	-Inf	31.10	3	Vertical	172	1.52	-
2480MHz	Pass	PK	2.483502G	59.28	74.00	-14.72	31.11	3	Vertical	172	1.52	-
2480MHz	Pass	AV	2.48G	93.47	Inf	-Inf	31.10	3	Horizontal	106	1.51	-
2480MHz	Pass	AV	2.483502G	43.21	54.00	-10.79	31.11	3	Horizontal	106	1.51	-
2480MHz	Pass	PK	2.48G	107.17	Inf	-Inf	31.10	3	Horizontal	106	1.51	-
2480MHz	Pass	PK	2.483502G	59.78	74.00	-14.22	31.11	3	Horizontal	106	1.51	-
2480MHz	Pass	AV	4.96G	32.66	54.00	-21.34	2.47	3	Vertical	212	1.37	-
2480MHz	Pass	PK	4.95994G	45.96	74.00	-28.04	2.47	3	Vertical	212	1.37	-
2480MHz	Pass	AV	4.96006G	29.58	54.00	-24.42	2.47	3	Horizontal	90	1.50	-
2480MHz	Pass	PK	4.95958G	42.61	74.00	-31.39	2.47	3	Horizontal	90	1.50	-
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3876G	42.17	54.00	-11.83	30.77	3	Vertical	183	1.32	-
2402MHz	Pass	AV	2.402G	90.89	Inf	-Inf	30.82	3	Vertical	183	1.32	-
2402MHz	Pass	PK	2.3856G	56.28	74.00	-17.72	30.76	3	Vertical	183	1.32	-
2402MHz	Pass	PK	2.4022G	107.02	Inf	-Inf	30.82	3	Vertical	183	1.32	-
2402MHz	Pass	AV	2.3892G	42.16	54.00	-11.84	30.77	3	Horizontal	188	1.50	-
2402MHz	Pass	AV	2.402G	90.46	Inf	-Inf	30.82	3	Horizontal	188	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	PK	2.3892G	55.76	74.00	-18.24	30.77	3	Horizontal	188	1.50	-
2402MHz	Pass	PK	2.4022G	106.55	Inf	-Inf	30.82	3	Horizontal	188	1.50	-
2441MHz	Pass	AV	2.3894G	42.12	54.00	-11.88	30.77	3	Vertical	193	1.13	-
2441MHz	Pass	AV	2.441G	89.17	Inf	-Inf	30.96	3	Vertical	193	1.13	-
2441MHz	Pass	AV	2.4998G	42.98	54.00	-11.02	31.17	3	Vertical	193	1.13	-
2441MHz	Pass	PK	2.3542G	55.90	74.00	-18.10	30.65	3	Vertical	193	1.13	-
2441MHz	Pass	PK	2.441G	104.96	Inf	-Inf	30.96	3	Vertical	193	1.13	-
2441MHz	Pass	PK	2.4954G	56.17	74.00	-17.83	31.16	3	Vertical	193	1.13	-
2441MHz	Pass	AV	2.375G	42.11	54.00	-11.89	30.72	3	Horizontal	160	1.31	-
2441MHz	Pass	AV	2.441G	89.31	Inf	-Inf	30.96	3	Horizontal	160	1.31	-
2441MHz	Pass	AV	2.4966G	42.92	54.00	-11.08	31.16	3	Horizontal	160	1.31	-
2441MHz	Pass	PK	2.3842G	56.19	74.00	-17.81	30.76	3	Horizontal	160	1.31	-
2441MHz	Pass	PK	2.441G	105.07	Inf	-Inf	30.96	3	Horizontal	160	1.31	-
2441MHz	Pass	PK	2.4954G	56.15	74.00	-17.85	31.16	3	Horizontal	160	1.31	-
2480MHz	Pass	AV	2.48G	92.01	Inf	-Inf	31.10	3	Vertical	179	1.50	-
2480MHz	Pass	AV	2.483502G	43.80	54.00	-10.20	31.11	3	Vertical	179	1.50	-
2480MHz	Pass	PK	2.4802G	108.12	Inf	-Inf	31.10	3	Vertical	179	1.50	-
2480MHz	Pass	PK	2.483502G	58.37	74.00	-15.63	31.11	3	Vertical	179	1.50	-
2480MHz	Pass	AV	2.48G	90.65	Inf	-Inf	31.10	3	Horizontal	158	1.49	-
2480MHz	Pass	AV	2.483502G	43.47	54.00	-10.53	31.11	3	Horizontal	158	1.49	-
2480MHz	Pass	PK	2.4802G	106.53	Inf	-Inf	31.10	3	Horizontal	158	1.49	-
2480MHz	Pass	PK	2.4872G	56.88	74.00	-17.12	31.12	3	Horizontal	158	1.49	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.389G	42.15	54.00	-11.85	30.77	3	Vertical	176	1.63	-
2402MHz	Pass	AV	2.402G	90.60	Inf	-Inf	30.82	3	Vertical	176	1.63	-
2402MHz	Pass	PK	2.3632G	55.84	74.00	-18.16	30.68	3	Vertical	176	1.63	-
2402MHz	Pass	PK	2.402G	106.76	Inf	-Inf	30.82	3	Vertical	176	1.63	-
2402MHz	Pass	AV	2.389G	42.16	54.00	-11.84	30.77	3	Horizontal	157	1.77	-
2402MHz	Pass	AV	2.402G	91.15	Inf	-Inf	30.82	3	Horizontal	157	1.77	-
2402MHz	Pass	PK	2.3854G	55.72	74.00	-18.28	30.76	3	Horizontal	157	1.77	-
2402MHz	Pass	PK	2.402G	107.42	Inf	-Inf	30.82	3	Horizontal	157	1.77	-
2441MHz	Pass	AV	2.389G	42.14	54.00	-11.86	30.77	3	Vertical	183	1.74	-
2441MHz	Pass	AV	2.441G	90.19	Inf	-Inf	30.96	3	Vertical	183	1.74	-
2441MHz	Pass	AV	2.4998G	42.95	54.00	-11.05	31.17	3	Vertical	183	1.74	-
2441MHz	Pass	PK	2.3782G	56.09	74.00	-17.91	30.73	3	Vertical	183	1.74	-
2441MHz	Pass	PK	2.441G	106.38	Inf	-Inf	30.96	3	Vertical	183	1.74	-
2441MHz	Pass	PK	2.4854G	56.61	74.00	-17.39	31.12	3	Vertical	183	1.74	-
2441MHz	Pass	AV	2.3886G	42.15	54.00	-11.85	30.77	3	Horizontal	190	1.66	-
2441MHz	Pass	AV	2.441G	89.51	Inf	-Inf	30.96	3	Horizontal	190	1.66	-
2441MHz	Pass	AV	2.4998G	42.94	54.00	-11.06	31.17	3	Horizontal	190	1.66	-
2441MHz	Pass	PK	2.3706G	55.85	74.00	-18.15	30.71	3	Horizontal	190	1.66	-
2441MHz	Pass	PK	2.441G	105.51	Inf	-Inf	30.96	3	Horizontal	190	1.66	-
2441MHz	Pass	PK	2.4946G	56.03	74.00	-17.97	31.15	3	Horizontal	190	1.66	-
2480MHz	Pass	AV	2.48G	91.66	Inf	-Inf	31.10	3	Vertical	175	1.50	-
2480MHz	Pass	AV	2.483502G	43.89	54.00	-10.11	31.11	3	Vertical	175	1.50	-
2480MHz	Pass	PK	2.48G	107.81	Inf	-Inf	31.10	3	Vertical	175	1.50	-
2480MHz	Pass	PK	2.4836G	57.34	74.00	-16.66	31.11	3	Vertical	175	1.50	-
2480MHz	Pass	AV	2.48G	90.41	Inf	-Inf	31.10	3	Horizontal	157	1.50	-
2480MHz	Pass	AV	2.483502G	43.59	54.00	-10.41	31.11	3	Horizontal	157	1.50	-



RSE TX above 1GHz Result

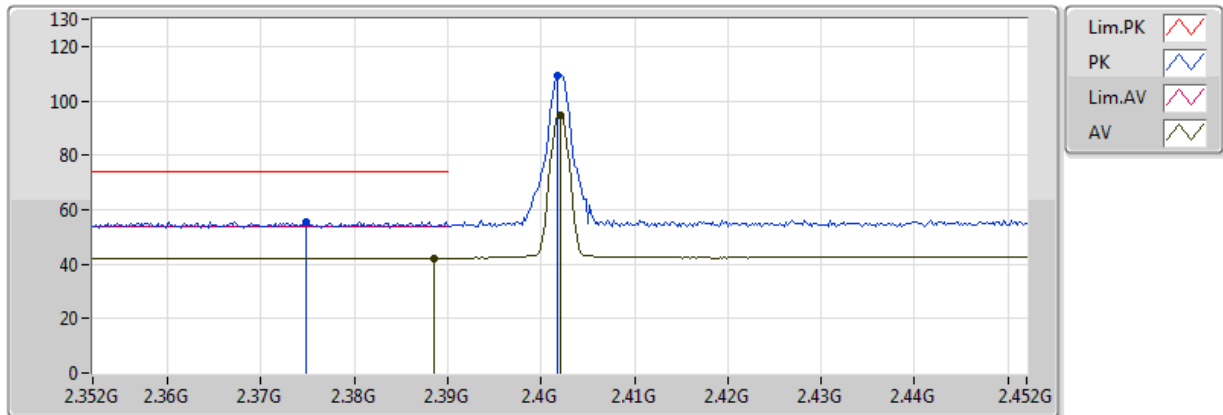
Appendix G.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2480MHz	Pass	PK	2.48G	106.14	Inf	-Inf	31.10	3	Horizontal	157	1.50	-
2480MHz	Pass	PK	2.483502G	58.69	74.00	-15.31	31.11	3	Horizontal	157	1.50	-

BT-BR(1Mbps)

2402MHz_TX

26/06/2018

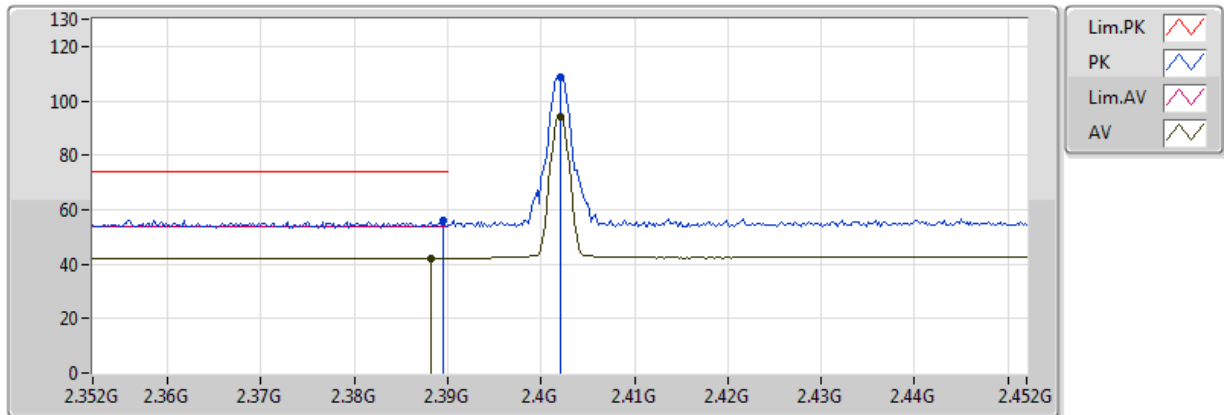


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3886G	42.17	54.00	-11.83	30.77	3	Vertical	179	1.81	-
AV	2.402G	94.84	Inf	-Inf	30.82	3	Vertical	179	1.81	-
PK	2.3748G	55.54	74.00	-18.46	30.72	3	Vertical	179	1.81	-
PK	2.4018G	109.07	Inf	-Inf	30.82	3	Vertical	179	1.81	-

BT-BR(1Mbps)

2402MHz_TX

26/06/2018

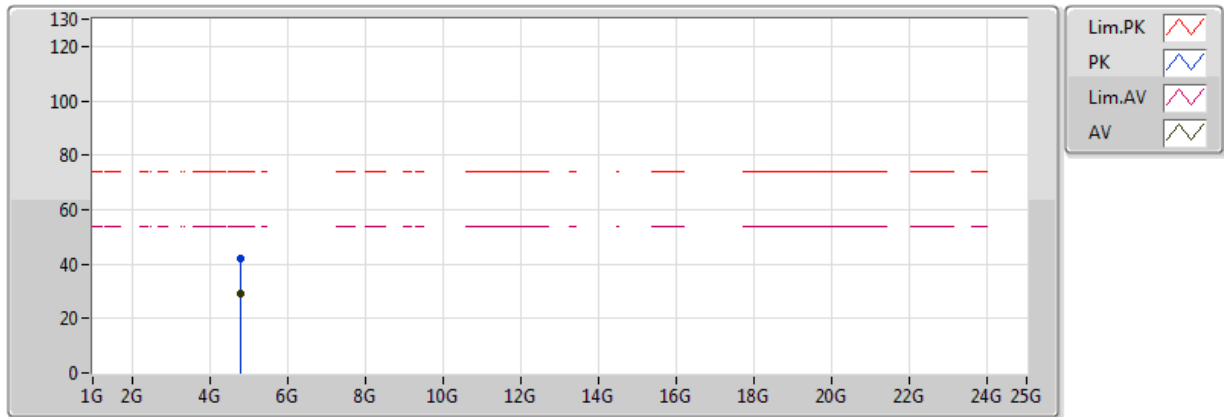


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3882G	42.15	54.00	-11.85	30.77	3	Horizontal	151	1.76	-
AV	2.402G	94.40	Inf	-Inf	30.82	3	Horizontal	151	1.76	-
PK	2.3896G	55.87	74.00	-18.13	30.77	3	Horizontal	151	1.76	-
PK	2.402G	108.58	Inf	-Inf	30.82	3	Horizontal	151	1.76	-

BT-BR(1Mbps)

2402MHz_TX

26/06/2018

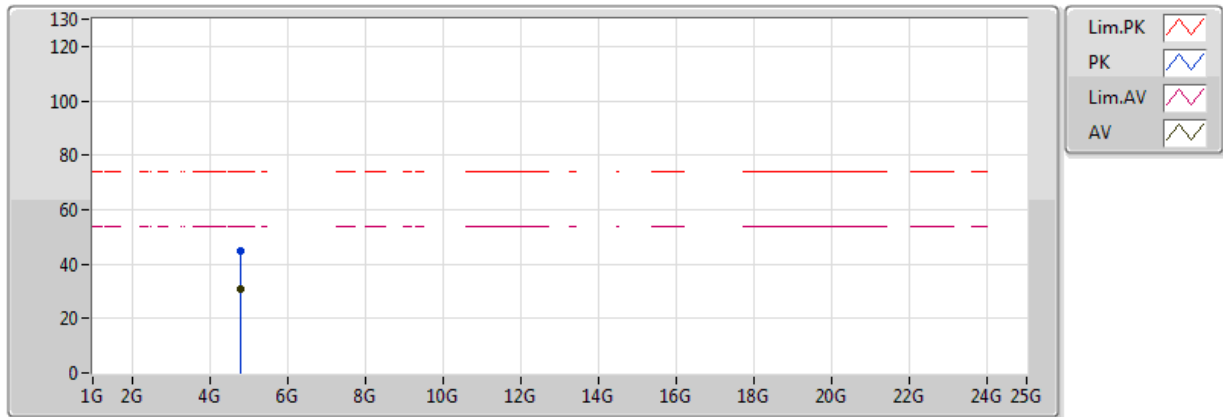


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.80394G	29.21	54.00	-24.79	2.08	3	Vertical	127	1.59	-
PK	4.8064G	41.87	74.00	-32.13	2.09	3	Vertical	127	1.59	-

BT-BR(1Mbps)

2402MHz_TX

26/06/2018

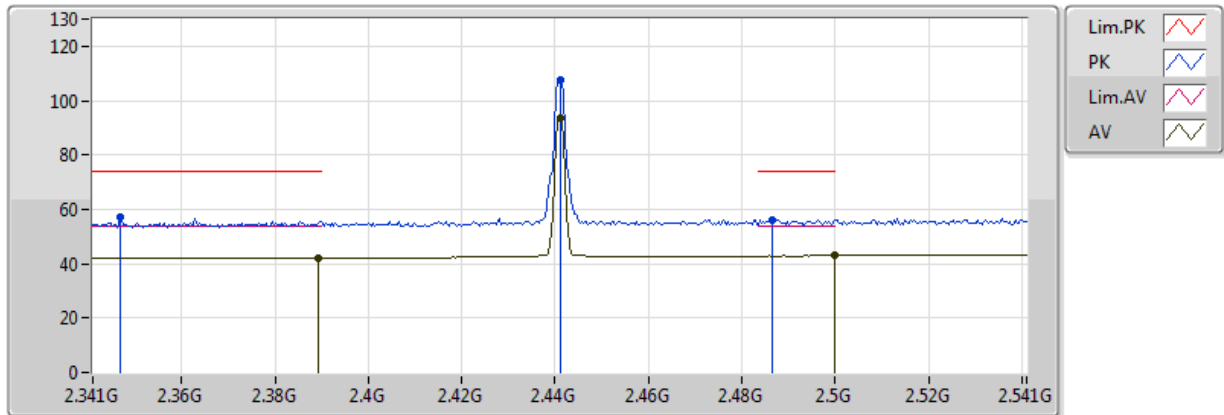


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.804G	30.81	54.00	-23.19	2.08	3	Horizontal	261	1.50	-
PK	4.8154G	44.67	74.00	-29.33	2.11	3	Horizontal	261	1.50	-

BT-BR(1Mbps)

2441MHz_TX

26/06/2018

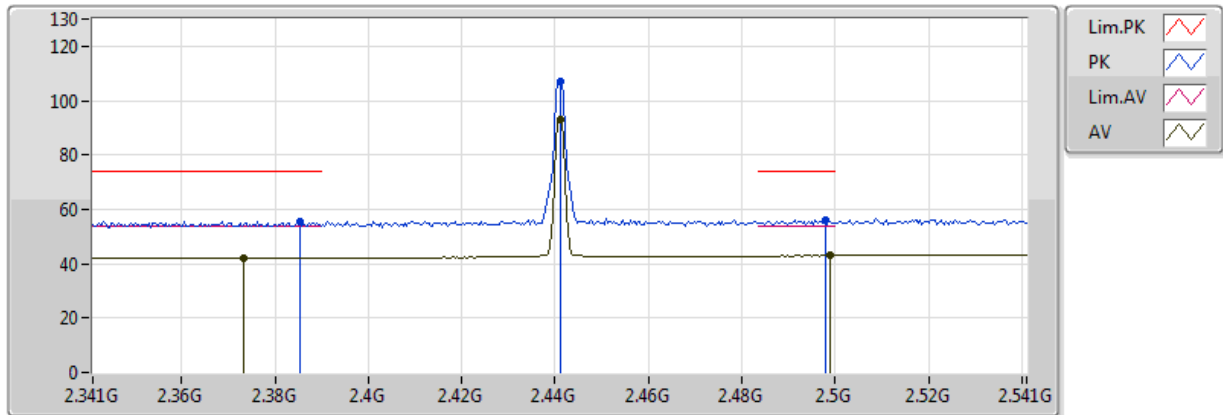


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3894G	42.13	54.00	-11.87	30.77	3	Vertical	186	1.50	-
AV	2.441G	93.62	Inf	-Inf	30.96	3	Vertical	186	1.50	-
AV	2.4998G	42.95	54.00	-11.05	31.17	3	Vertical	186	1.50	-
PK	2.347G	57.18	74.00	-16.82	30.62	3	Vertical	186	1.50	-
PK	2.441G	107.45	Inf	-Inf	30.96	3	Vertical	186	1.50	-
PK	2.4866G	56.30	74.00	-17.70	31.12	3	Vertical	186	1.50	-

BT-BR(1Mbps)

2441MHz_TX

26/06/2018

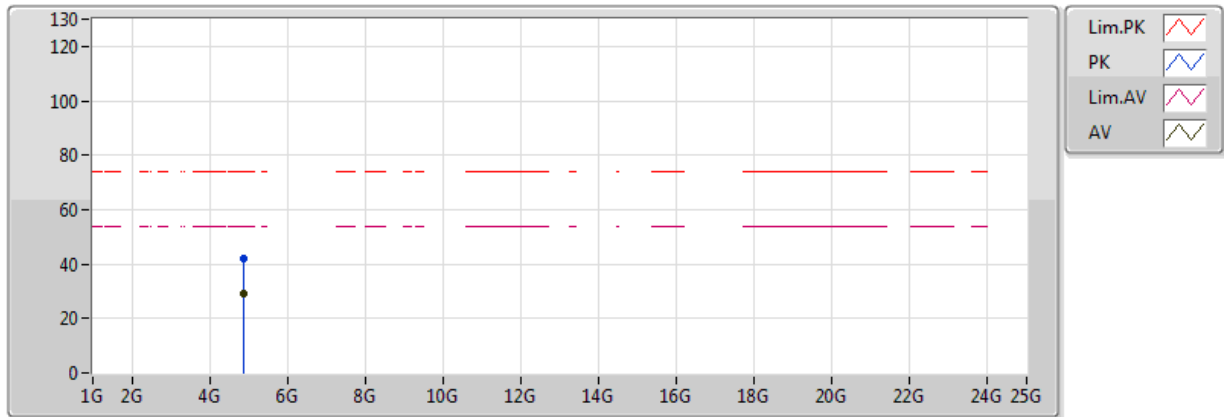


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3734G	42.10	54.00	-11.90	30.72	3	Horizontal	196	1.42	-
AV	2.441G	93.21	Inf	-Inf	30.96	3	Horizontal	196	1.42	-
AV	2.499G	42.94	54.00	-11.06	31.17	3	Horizontal	196	1.42	-
PK	2.3854G	55.51	74.00	-18.49	30.76	3	Horizontal	196	1.42	-
PK	2.441G	106.94	Inf	-Inf	30.96	3	Horizontal	196	1.42	-
PK	2.4978G	56.13	74.00	-17.87	31.16	3	Horizontal	196	1.42	-

BT-BR(1Mbps)

2441MHz_TX

26/06/2018

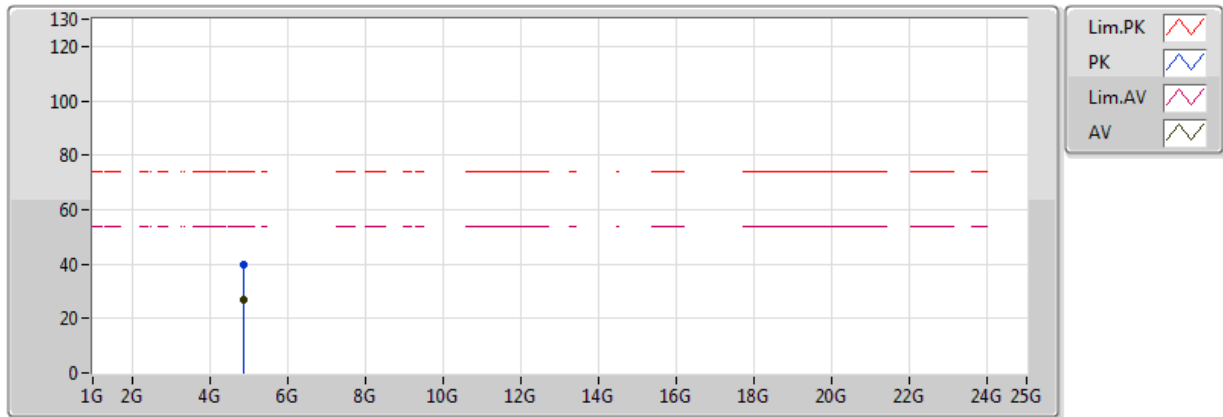


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88194G	29.31	54.00	-24.69	2.27	3	Vertical	210	1.49	-
PK	4.88896G	41.75	74.00	-32.25	2.29	3	Vertical	210	1.49	-

BT-BR(1Mbps)

2441MHz_TX

26/06/2018

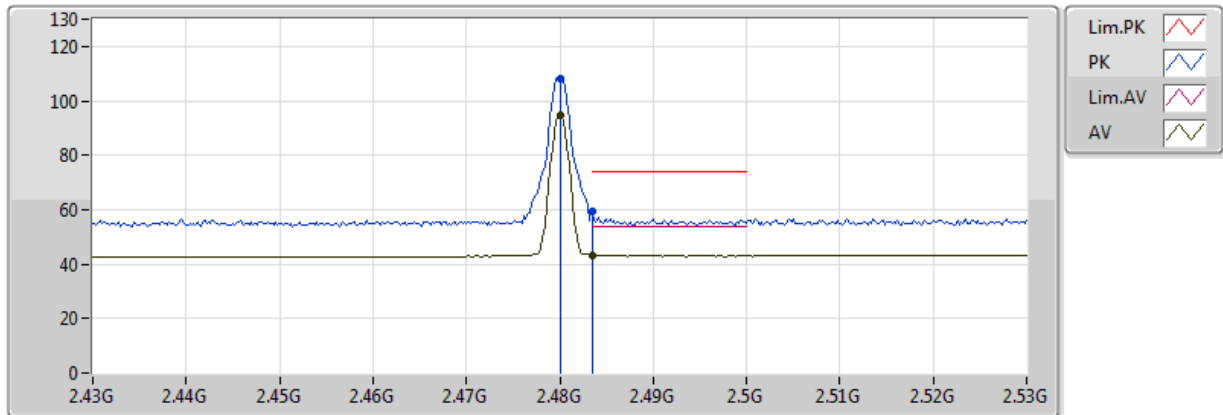


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.88464G	26.91	54.00	-27.09	2.28	3	Horizontal	285	1.50	-
PK	4.8865G	39.63	74.00	-34.37	2.29	3	Horizontal	285	1.50	-

BT-BR(1Mbps)

2480MHz_TX

26/06/2018

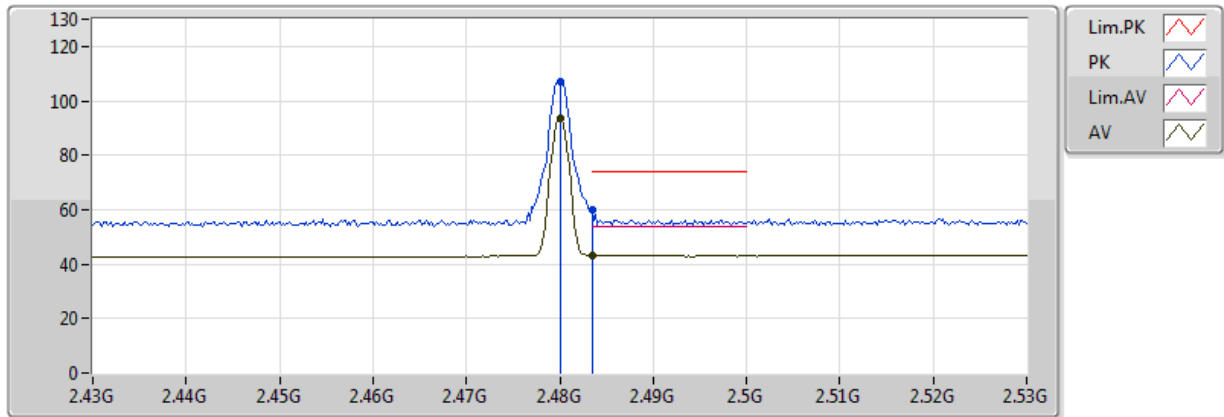


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	94.42	Inf	-Inf	31.10	3	Vertical	172	1.52	-
AV	2.483502G	43.38	54.00	-10.62	31.11	3	Vertical	172	1.52	-
PK	2.48G	108.35	Inf	-Inf	31.10	3	Vertical	172	1.52	-
PK	2.483502G	59.28	74.00	-14.72	31.11	3	Vertical	172	1.52	-

BT-BR(1Mbps)

2480MHz_TX

26/06/2018

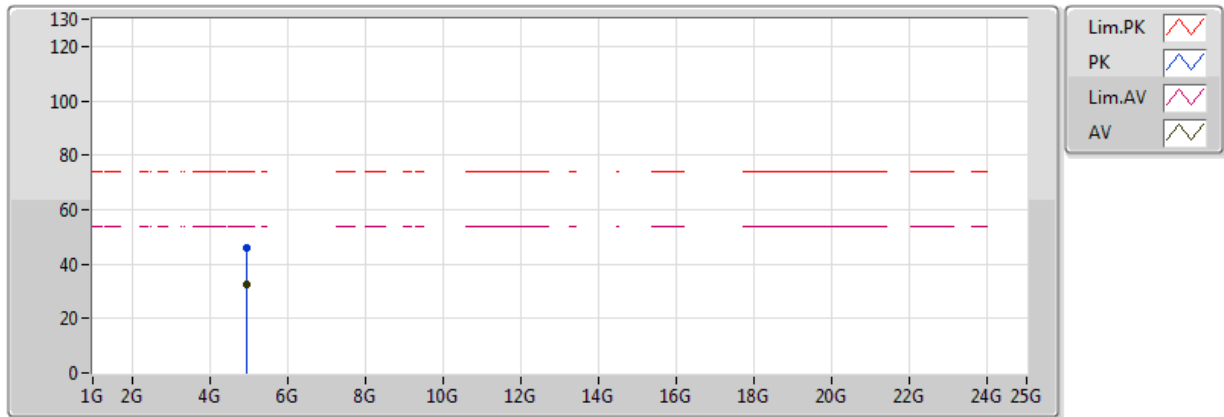


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	93.47	Inf	-Inf	31.10	3	Horizontal	106	1.51	-
AV	2.483502G	43.21	54.00	-10.79	31.11	3	Horizontal	106	1.51	-
PK	2.48G	107.17	Inf	-Inf	31.10	3	Horizontal	106	1.51	-
PK	2.483502G	59.78	74.00	-14.22	31.11	3	Horizontal	106	1.51	-

BT-BR(1Mbps)

2480MHz_TX

26/06/2018

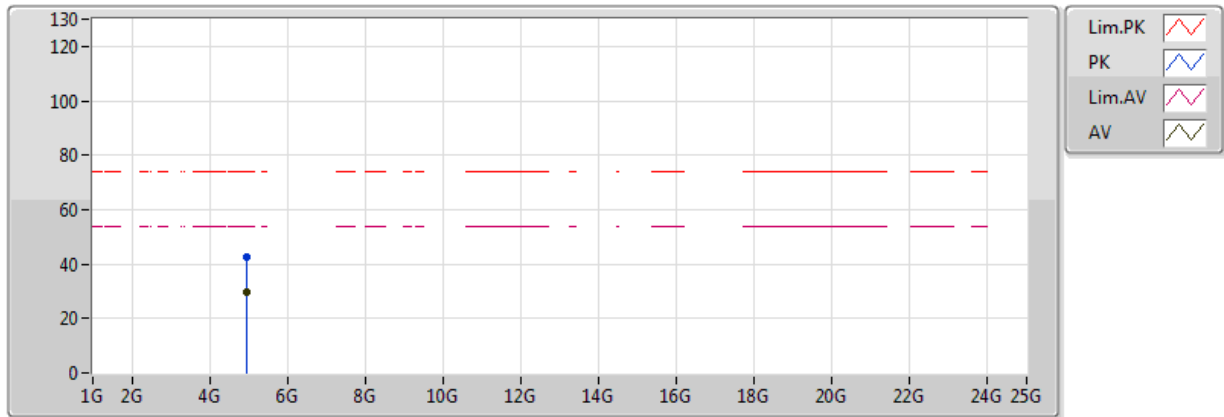


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.96G	32.66	54.00	-21.34	2.47	3	Vertical	212	1.37	-
PK	4.95994G	45.96	74.00	-28.04	2.47	3	Vertical	212	1.37	-

BT-BR(1Mbps)

2480MHz_TX

26/06/2018

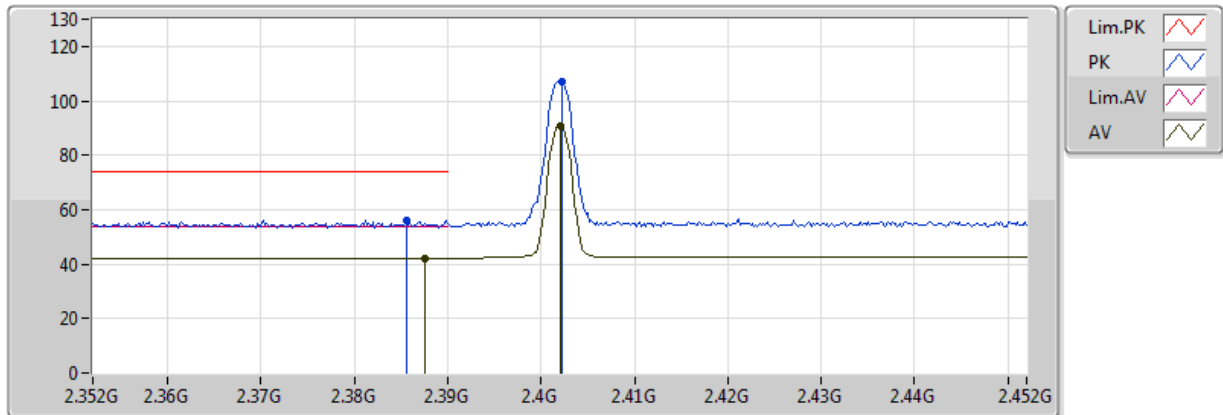


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	4.96006G	29.58	54.00	-24.42	2.47	3	Horizontal	90	1.50	-
PK	4.95958G	42.61	74.00	-31.39	2.47	3	Horizontal	90	1.50	-

BT-EDR(2Mbps)

2402MHz_TX

26/06/2018

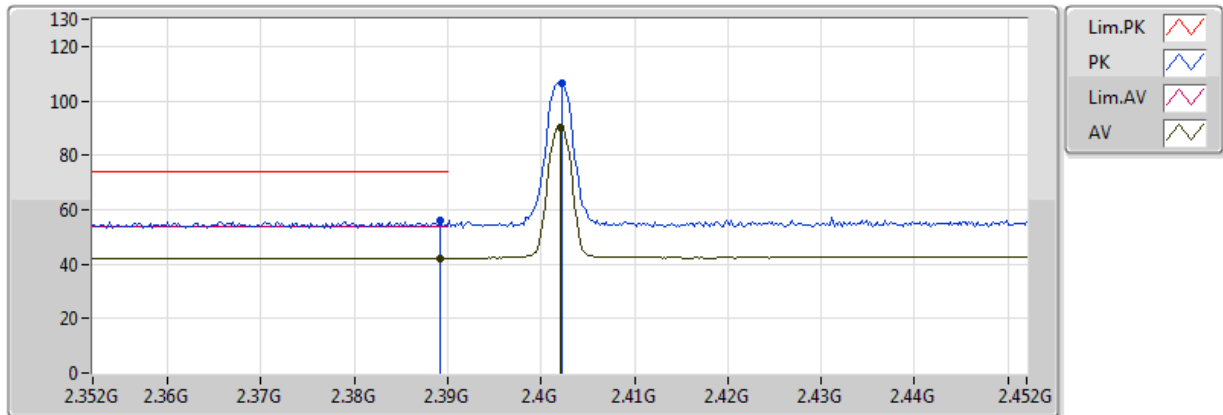


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3876G	42.17	54.00	-11.83	30.77	3	Vertical	183	1.32	-
AV	2.402G	90.89	Inf	-Inf	30.82	3	Vertical	183	1.32	-
PK	2.3856G	56.28	74.00	-17.72	30.76	3	Vertical	183	1.32	-
PK	2.4022G	107.02	Inf	-Inf	30.82	3	Vertical	183	1.32	-

BT-EDR(2Mbps)

2402MHz_TX

26/06/2018

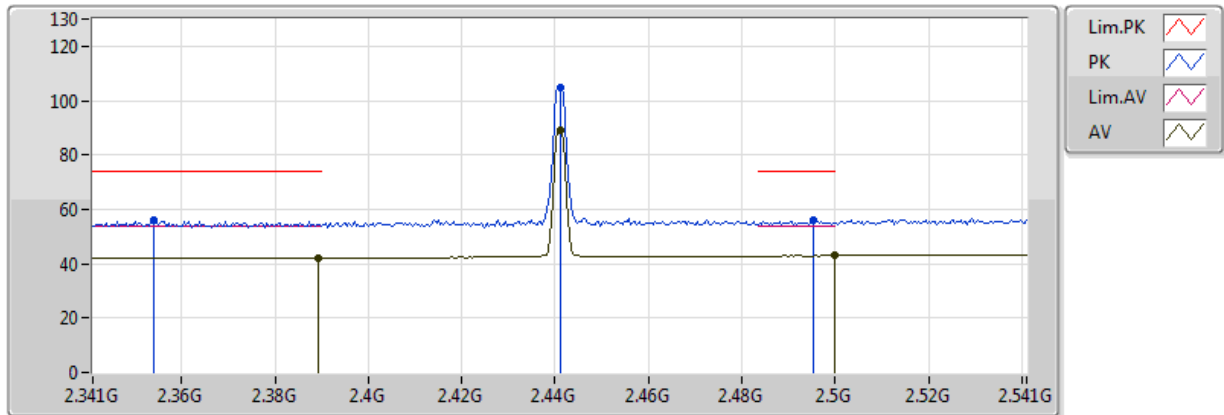


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3892G	42.16	54.00	-11.84	30.77	3	Horizontal	188	1.50	-
AV	2.402G	90.46	Inf	-Inf	30.82	3	Horizontal	188	1.50	-
PK	2.3892G	55.76	74.00	-18.24	30.77	3	Horizontal	188	1.50	-
PK	2.4022G	106.55	Inf	-Inf	30.82	3	Horizontal	188	1.50	-

BT-EDR(2Mbps)

2441MHz_TX

26/06/2018

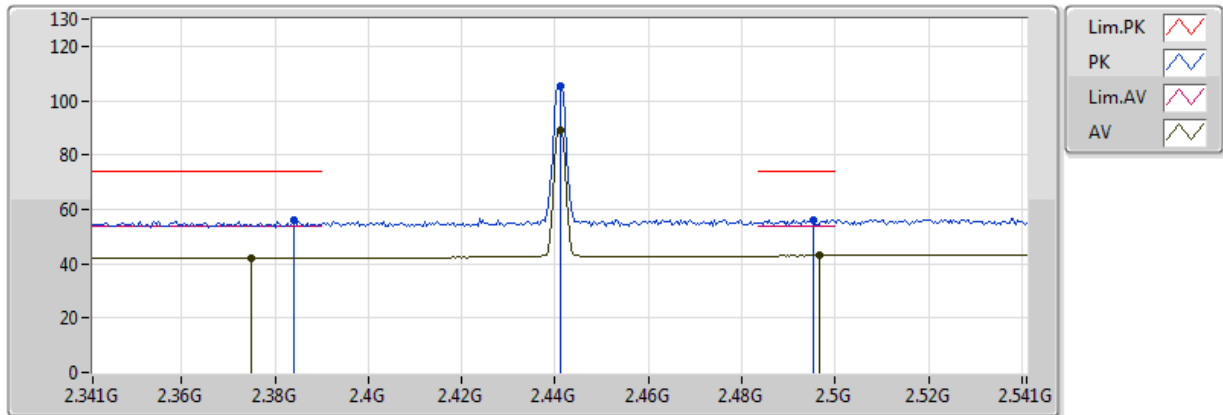


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3894G	42.12	54.00	-11.88	30.77	3	Vertical	193	1.13	-
AV	2.441G	89.17	Inf	-Inf	30.96	3	Vertical	193	1.13	-
AV	2.4998G	42.98	54.00	-11.02	31.17	3	Vertical	193	1.13	-
PK	2.3542G	55.90	74.00	-18.10	30.65	3	Vertical	193	1.13	-
PK	2.441G	104.96	Inf	-Inf	30.96	3	Vertical	193	1.13	-
PK	2.4954G	56.17	74.00	-17.83	31.16	3	Vertical	193	1.13	-

BT-EDR(2Mbps)

2441MHz_TX

26/06/2018

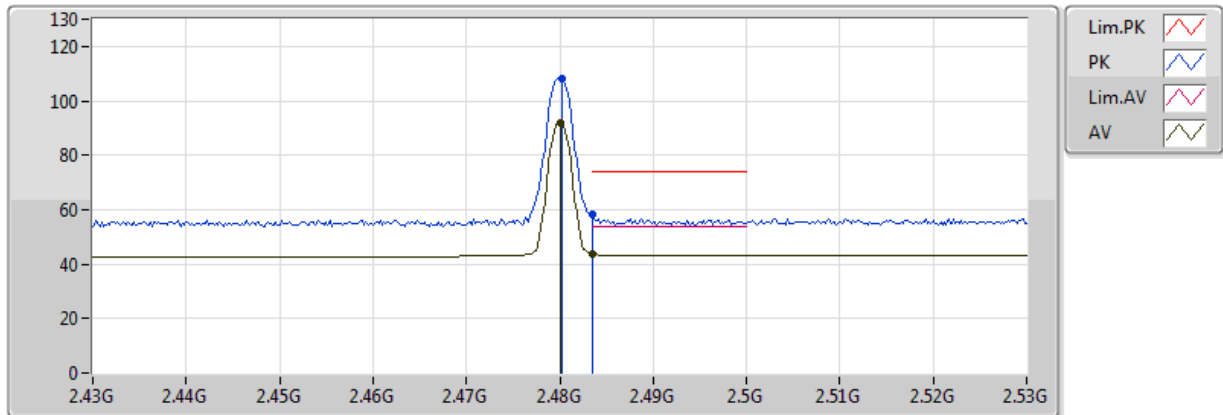


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.375G	42.11	54.00	-11.89	30.72	3	Horizontal	160	1.31	-
AV	2.441G	89.31	Inf	-Inf	30.96	3	Horizontal	160	1.31	-
AV	2.4966G	42.92	54.00	-11.08	31.16	3	Horizontal	160	1.31	-
PK	2.3842G	56.19	74.00	-17.81	30.76	3	Horizontal	160	1.31	-
PK	2.441G	105.07	Inf	-Inf	30.96	3	Horizontal	160	1.31	-
PK	2.4954G	56.15	74.00	-17.85	31.16	3	Horizontal	160	1.31	-

BT-EDR(2Mbps)

2480MHz_TX

26/06/2018

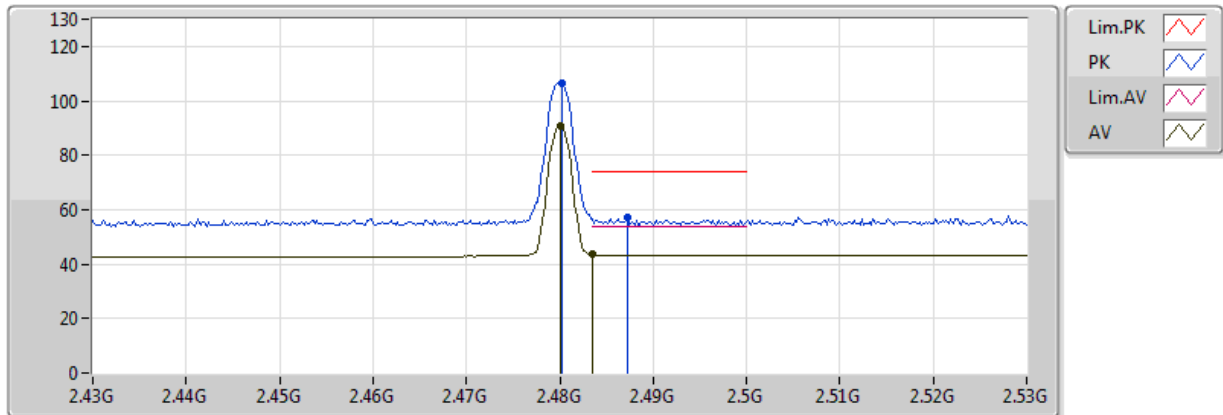


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	92.01	Inf	-Inf	31.10	3	Vertical	179	1.50	-
AV	2.483502G	43.80	54.00	-10.20	31.11	3	Vertical	179	1.50	-
PK	2.4802G	108.12	Inf	-Inf	31.10	3	Vertical	179	1.50	-
PK	2.483502G	58.37	74.00	-15.63	31.11	3	Vertical	179	1.50	-

BT-EDR(2Mbps)

2480MHz_TX

26/06/2018

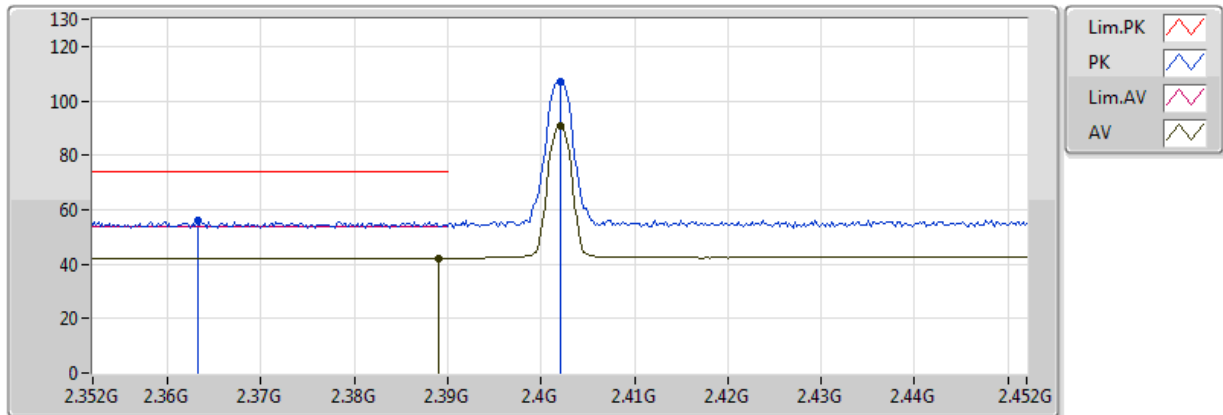


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	90.65	Inf	-Inf	31.10	3	Horizontal	158	1.49	-
AV	2.483502G	43.47	54.00	-10.53	31.11	3	Horizontal	158	1.49	-
PK	2.4802G	106.53	Inf	-Inf	31.10	3	Horizontal	158	1.49	-
PK	2.4872G	56.88	74.00	-17.12	31.12	3	Horizontal	158	1.49	-

BT-EDR(3Mbps)

2402MHz_TX

26/06/2018

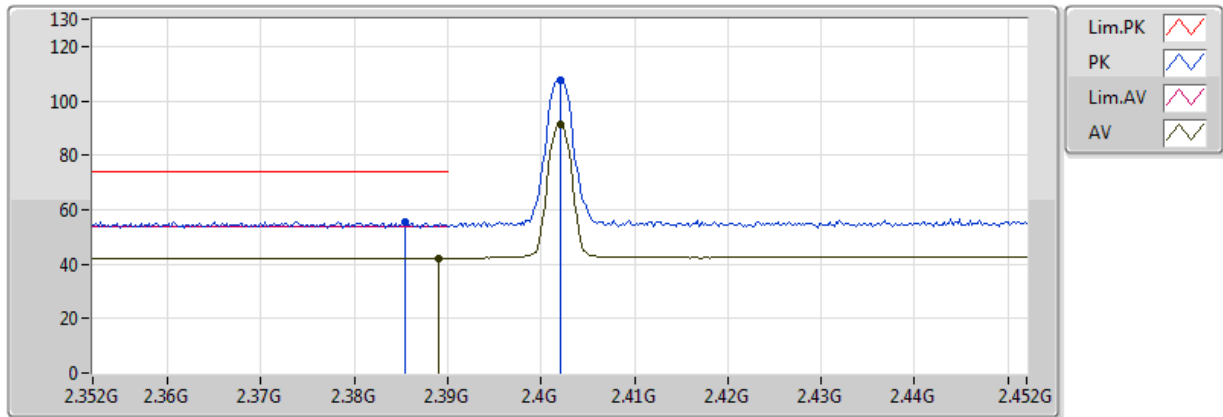


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389G	42.15	54.00	-11.85	30.77	3	Vertical	176	1.63	-
AV	2.402G	90.60	Inf	-Inf	30.82	3	Vertical	176	1.63	-
PK	2.3632G	55.84	74.00	-18.16	30.68	3	Vertical	176	1.63	-
PK	2.402G	106.76	Inf	-Inf	30.82	3	Vertical	176	1.63	-

BT-EDR(3Mbps)

2402MHz_TX

26/06/2018

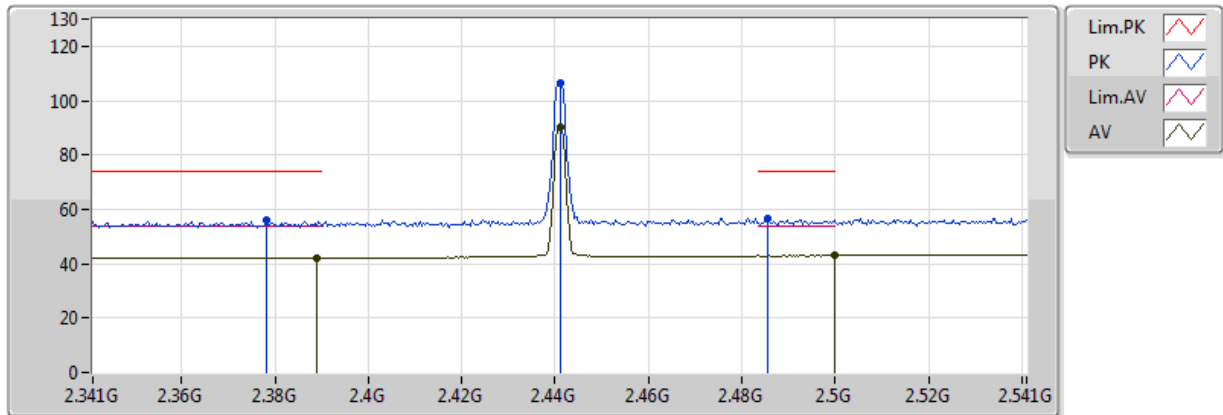


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389G	42.16	54.00	-11.84	30.77	3	Horizontal	157	1.77	-
AV	2.402G	91.15	Inf	-Inf	30.82	3	Horizontal	157	1.77	-
PK	2.3854G	55.72	74.00	-18.28	30.76	3	Horizontal	157	1.77	-
PK	2.402G	107.42	Inf	-Inf	30.82	3	Horizontal	157	1.77	-

BT-EDR(3Mbps)

2441MHz_TX

26/06/2018

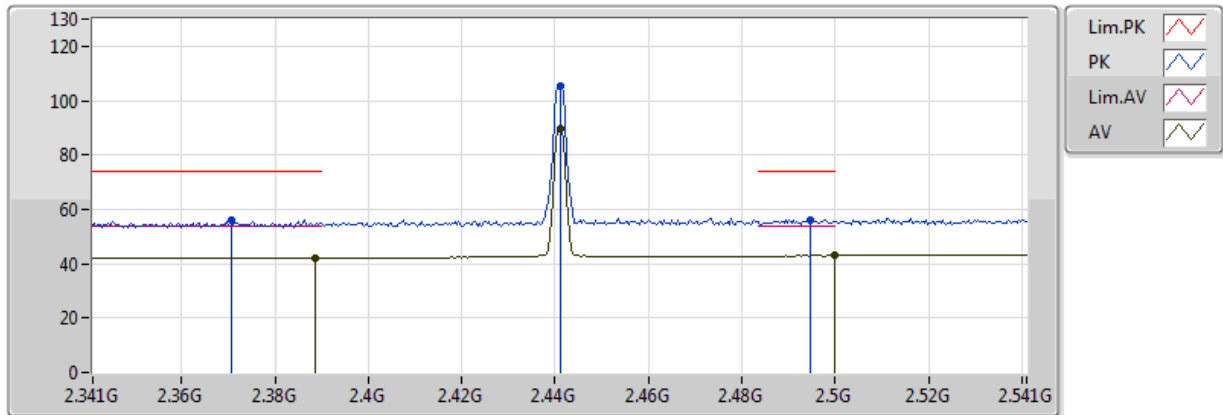


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389G	42.14	54.00	-11.86	30.77	3	Vertical	183	1.74	-
AV	2.441G	90.19	Inf	-Inf	30.96	3	Vertical	183	1.74	-
AV	2.4998G	42.95	54.00	-11.05	31.17	3	Vertical	183	1.74	-
PK	2.3782G	56.09	74.00	-17.91	30.73	3	Vertical	183	1.74	-
PK	2.441G	106.38	Inf	-Inf	30.96	3	Vertical	183	1.74	-
PK	2.4854G	56.61	74.00	-17.39	31.12	3	Vertical	183	1.74	-

BT-EDR(3Mbps)

2441MHz_TX

26/06/2018

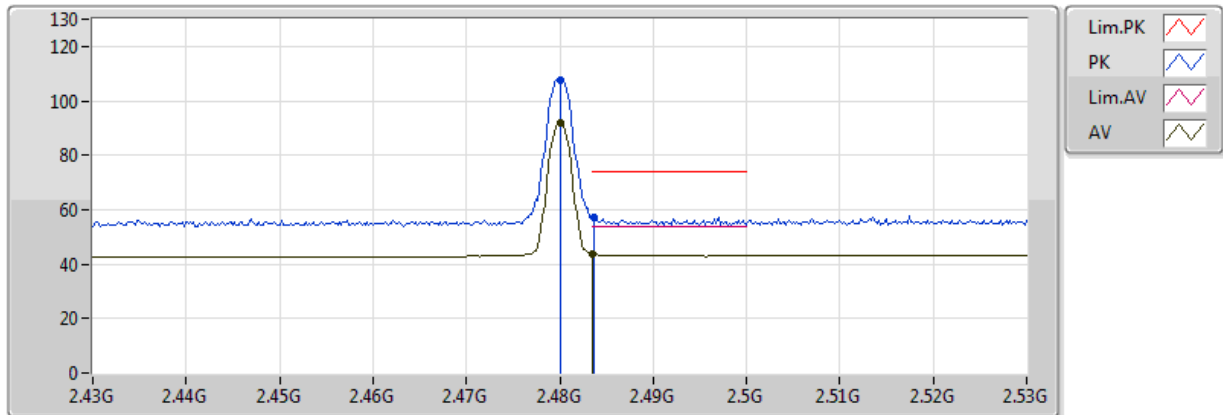


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3886G	42.15	54.00	-11.85	30.77	3	Horizontal	190	1.66	-
AV	2.441G	89.51	Inf	-Inf	30.96	3	Horizontal	190	1.66	-
AV	2.4998G	42.94	54.00	-11.06	31.17	3	Horizontal	190	1.66	-
PK	2.3706G	55.85	74.00	-18.15	30.71	3	Horizontal	190	1.66	-
PK	2.441G	105.51	Inf	-Inf	30.96	3	Horizontal	190	1.66	-
PK	2.4946G	56.03	74.00	-17.97	31.15	3	Horizontal	190	1.66	-

BT-EDR(3Mbps)

2480MHz_TX

26/06/2018

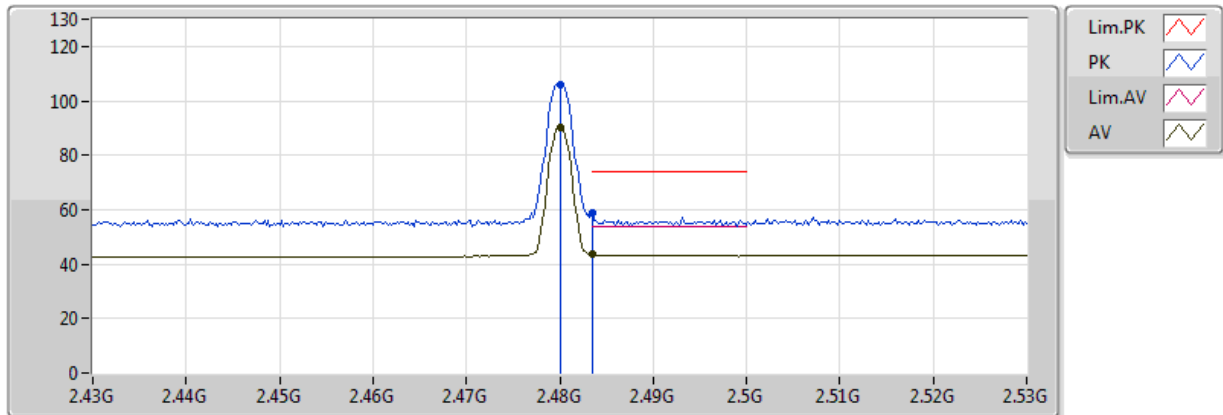


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	91.66	Inf	-Inf	31.10	3	Vertical	175	1.50	-
AV	2.483502G	43.89	54.00	-10.11	31.11	3	Vertical	175	1.50	-
PK	2.48G	107.81	Inf	-Inf	31.10	3	Vertical	175	1.50	-
PK	2.4836G	57.34	74.00	-16.66	31.11	3	Vertical	175	1.50	-

BT-EDR(3Mbps)

2480MHz_TX

26/06/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	90.41	Inf	-Inf	31.10	3	Horizontal	157	1.50	-
AV	2.483502G	43.59	54.00	-10.41	31.11	3	Horizontal	157	1.50	-
PK	2.48G	106.14	Inf	-Inf	31.10	3	Horizontal	157	1.50	-
PK	2.483502G	58.69	74.00	-15.31	31.11	3	Horizontal	157	1.50	-



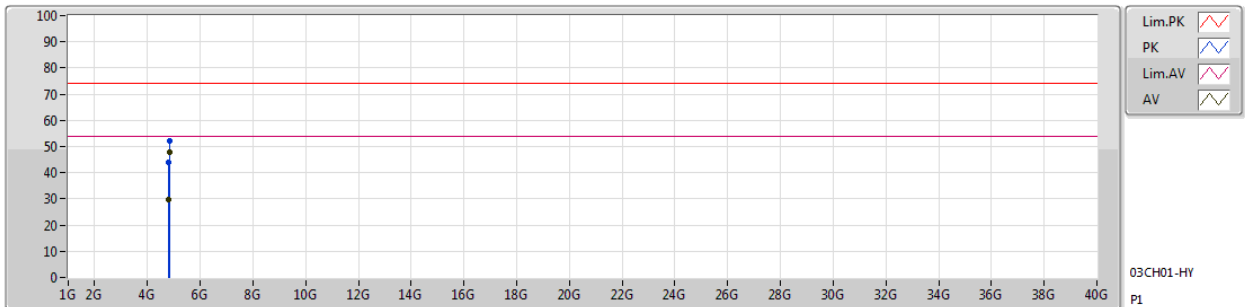
RSE above 1GHz Result

Appendix H

Summary

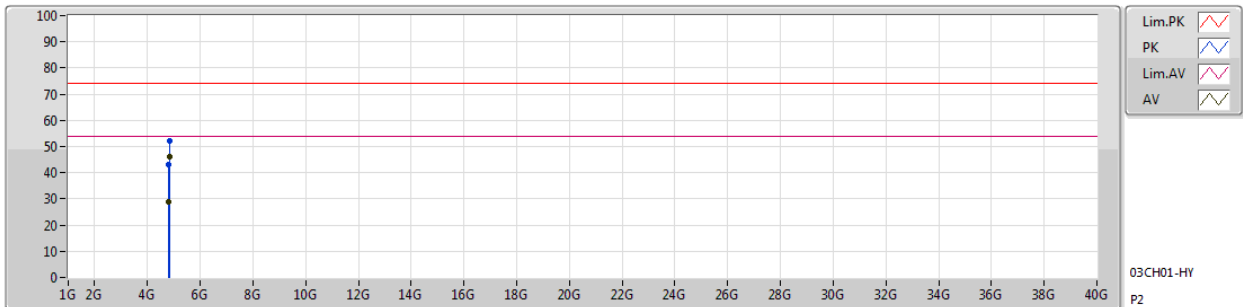
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
1	Pass	AV	4.824G	48.02	54.00	-5.98	2.13	3	Vertical	244	1.50	-
2	Pass	AV	4.824G	47.25	54.00	-6.75	2.13	3	Vertical	244	1.50	-

Radiation-above 1GHz_1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)		
AV	4.80478G	29.77	54.00	-24.23	2.08	3	Vertical	75	1.67	-	27.69	31.19	5.19	34.30		
AV	4.824G	48.02	54.00	-5.98	2.13	3	Vertical	244	1.50	-	45.89	31.22	5.20	34.29		
PK	4.80478G	43.76	74.00	-30.24	2.08	3	Vertical	75	1.67	-	41.68	31.19	5.19	34.30		
PK	4.82406G	52.29	74.00	-21.71	2.13	3	Vertical	244	1.50	-	50.16	31.22	5.20	34.29		

Radiation-above 1GHz_1

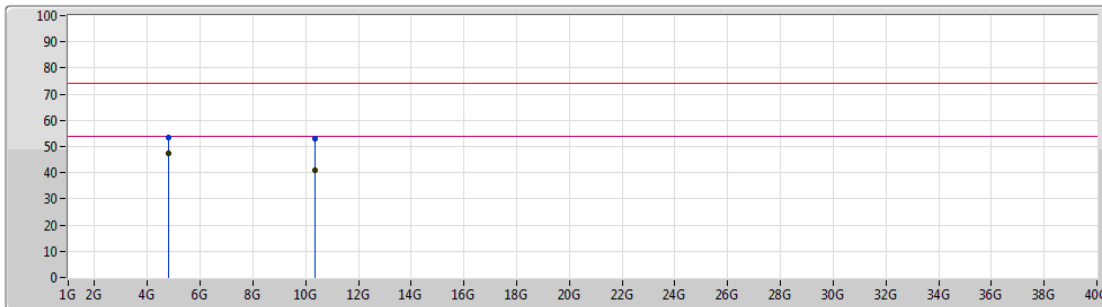


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)		
AV	4.80634G	28.76	54.00	-25.24	2.08	3	Horizontal	336	1.50	-	26.68	31.19	5.19	34.30		
AV	4.824G	46.08	54.00	-7.92	2.13	3	Horizontal	224	1.66	-	43.95	31.22	5.20	34.29		
PK	4.80634G	42.96	74.00	-31.04	2.08	3	Horizontal	336	1.50	-	40.88	31.19	5.19	34.30		
PK	4.82406G	51.94	74.00	-22.06	2.13	3	Horizontal	224	1.66	-	49.81	31.22	5.20	34.29		

Radiation-above 1GHz_2

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Lim.PK 
 PK 
 Lim.AV 
 AV 

03CH01-HY

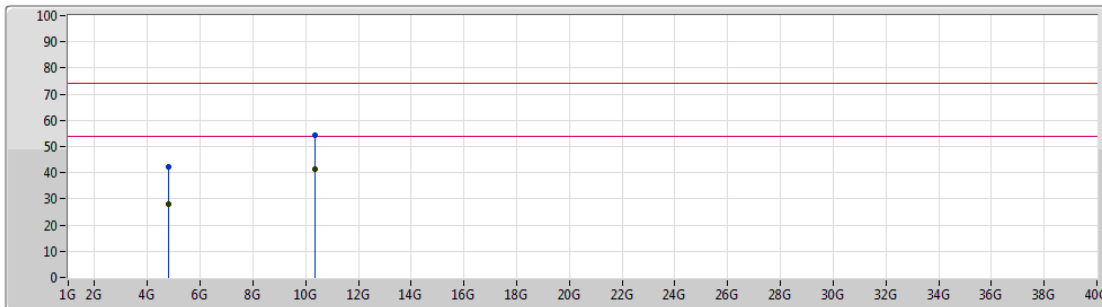
P1

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)		
AV	4.80478G	47.20	54.00	-6.80	2.08	3	Vertical	244	1.50	-	45.12	31.19	5.19	34.30		
AV	10.36882G	40.80	54.00	-13.20	12.66	3	Vertical	167	1.50	-	28.14	39.42	8.00	34.76		
PK	4.80478G	53.30	74.00	-20.70	2.08	3	Vertical	244	1.50	-	51.22	31.19	5.19	34.30		
PK	10.37046G	53.23	74.00	-20.77	12.66	3	Vertical	167	1.50	-	40.57	39.42	8.00	34.76		

Radiation-above 1GHz_2

08/08/2018

17:38



Lim.PK 
 PK 
 Lim.AV 
 AV 

03CH01-HY
P2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)		
AV	4.80634G	27.85	54.00	-26.15	2.08	3	Horizontal	336	1.50	-	25.77	31.19	5.19	34.30		
AV	10.36876G	41.40	54.00	-12.60	12.66	3	Horizontal	161	1.97	-	28.74	39.42	8.00	34.76		
PK	4.80634G	42.27	74.00	-31.73	2.08	3	Horizontal	336	1.50	-	40.19	31.19	5.19	34.30		
PK	10.36432G	54.29	74.00	-19.71	12.64	3	Horizontal	161	1.97	-	41.65	39.41	8.00	34.77		