

FCC Test Report

FCC ID : 2AG0Z-F8MZ
Equipment : VR Headset
Brand Name : **Oculus**
Model Name : MH-B
Applicant : Facebook Technologies, LLC
1 Hacker Way, Menlo Park, CA 94025, USA
Manufacturer : Facebook Technologies, LLC
1 Hacker Way, Menlo Park, CA 94025, USA
Standard : 47 CFR FCC Part 15.247

The product was received on Jul. 25, 2018, and testing was started from Oct. 11, 2018 and completed on Nov. 07, 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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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

Declaration of Conformity:

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Comments and explanations:

None

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	Brand	Model Name	Antenna Type	Connector
1	1	-	-	PIFA	I-PEX
2	2	-	-	PIFA	I-PEX
3	-	-	-	Monopole	I-PEX

Ant.	Gain (dBi) - Maximum Peak Gain								
	2.4G			5G				BT	GFSK
	2412MHz	2437MHz	2462MHz	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3		
1	2.92	3.24	3.30	4.28	4.28	3.34	2.21	3.3	-
2	2.56	2.52	2.56	4.04	4.04	4.56	4.93	-	-
3	-	-	-	-	-	-	-	-	3.8

2TX Stream	DG Gain (dBi) - Correlated Gain						
	2.4G			5G			
	2412MHz	2437MHz	2462MHz	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
1	5.56	5.77	5.95	6.93	6.93	6.53	6.07
2	2.56	2.77	2.95	3.92	3.92	3.52	3.16

Note 1: The EUT has three antennas.

Note 2: Ant. 1 = port 1 = Chain 0 = Right ; Ant. 2 = port 2 = Chain 1 = Left.

For 2.4GHz function:

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

Only supports 2X2 MIMO configuration.

For 5GHz function:

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

Only supports 2X2 MIMO configuration.

For BT function:

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

Only Ant. 1 could transmit/receive simultaneously.

For GFSK function:

For GFSK mode (1TX/1RX)

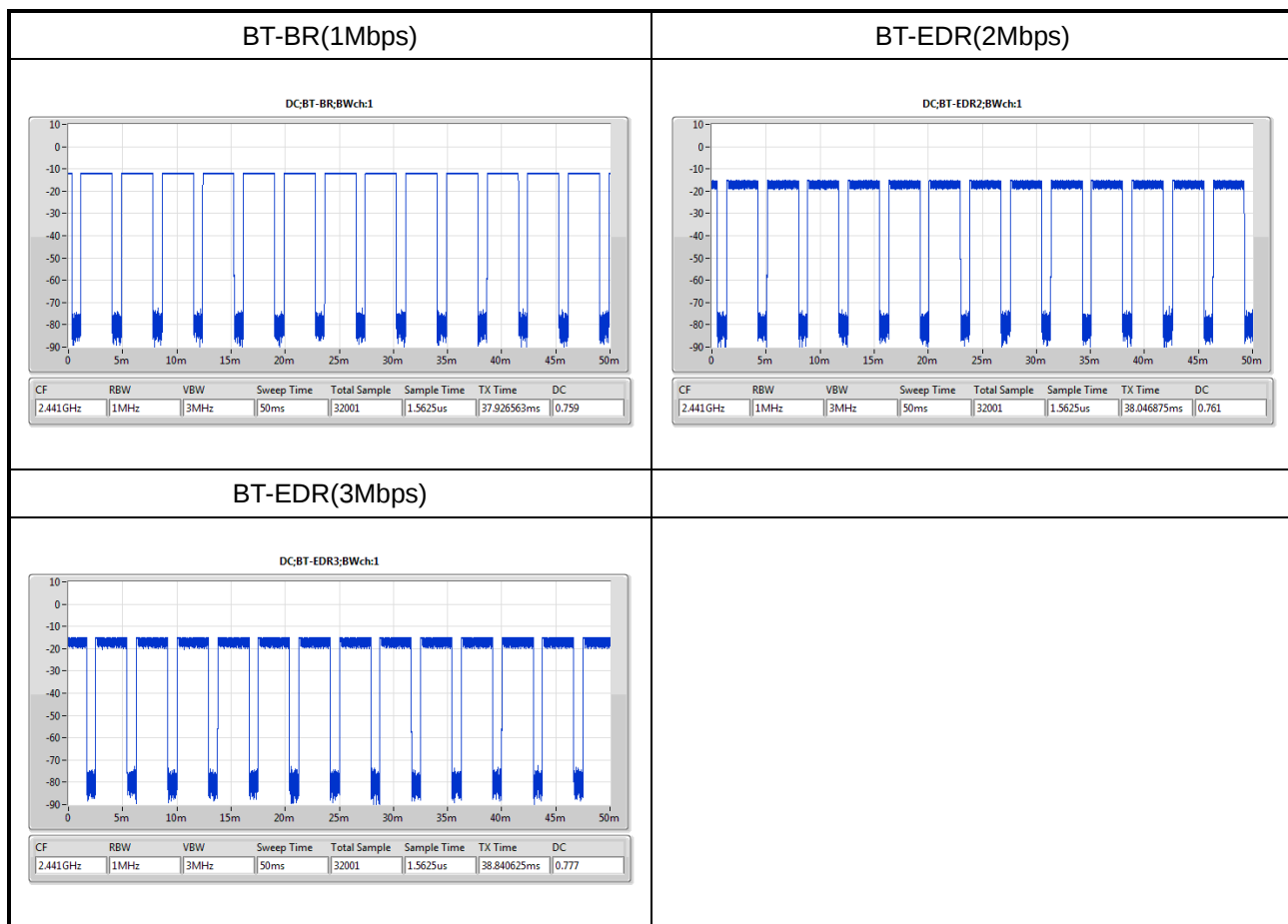
Only Ant. 3 could transmit/receive simultaneously.

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)	0.759	1.198	2.888m	1k
BT-EDR(2Mbps)	0.761	1.186	2.889m	1k
BT-EDR(3Mbps)	0.777	1.096	2.892m	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
- ♦ KDB 558074 D01 v05
- ♦ 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	Andy	24.8°C / 59%	17/Oct/2018
RF Conducted	TH01-HY	Andy	24.5°C / 63.5%	12/Oct/2018
Radiated	03CH09-HY	Kevin	21°C / 59%	11/Oct/2018
Radiated (co-location)	03CH09-HY	Kevin	22.3°C / 58%	09/Nov/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	3.82V

2.2 Test Channel Mode

Test Software Version	QRCT 3.0.297.0
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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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal
1	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: Appendix H for Radiated Emission Co-location.	

Note.

Non-AFH: DH5 Packet permit maximum $1600 / 79 / 6 = 3.37$ hops per second in each channel (5 time slots RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times $3.37 \times 1.185 = 4$ within 1.185 seconds.

AFH: DH5 Packet permit maximum $800 / 20 / 6 = 6.67$ hops per second in each channel (5 time slots RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times $13.33 \times 8 = 106.6$ within 8 seconds.

Under the above conditions, Non-AFH Mode configuration was found to be the worst case and measured during the test.

2.4 Accessories

Accessories				
AC Adapter (US Plug)	Brand Name	oculus	Model Name	AQ15A-050A
	Manufacturer	PHIHONG		
	Power Rating	I/P: 100 - 240Vac, 0.5A, O/P: 5Vdc, 3A		
Type-C USB Cable	In/Out door	In door		
	Cable	2.95 meter, Shielded cable, w/o ferrite core		

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

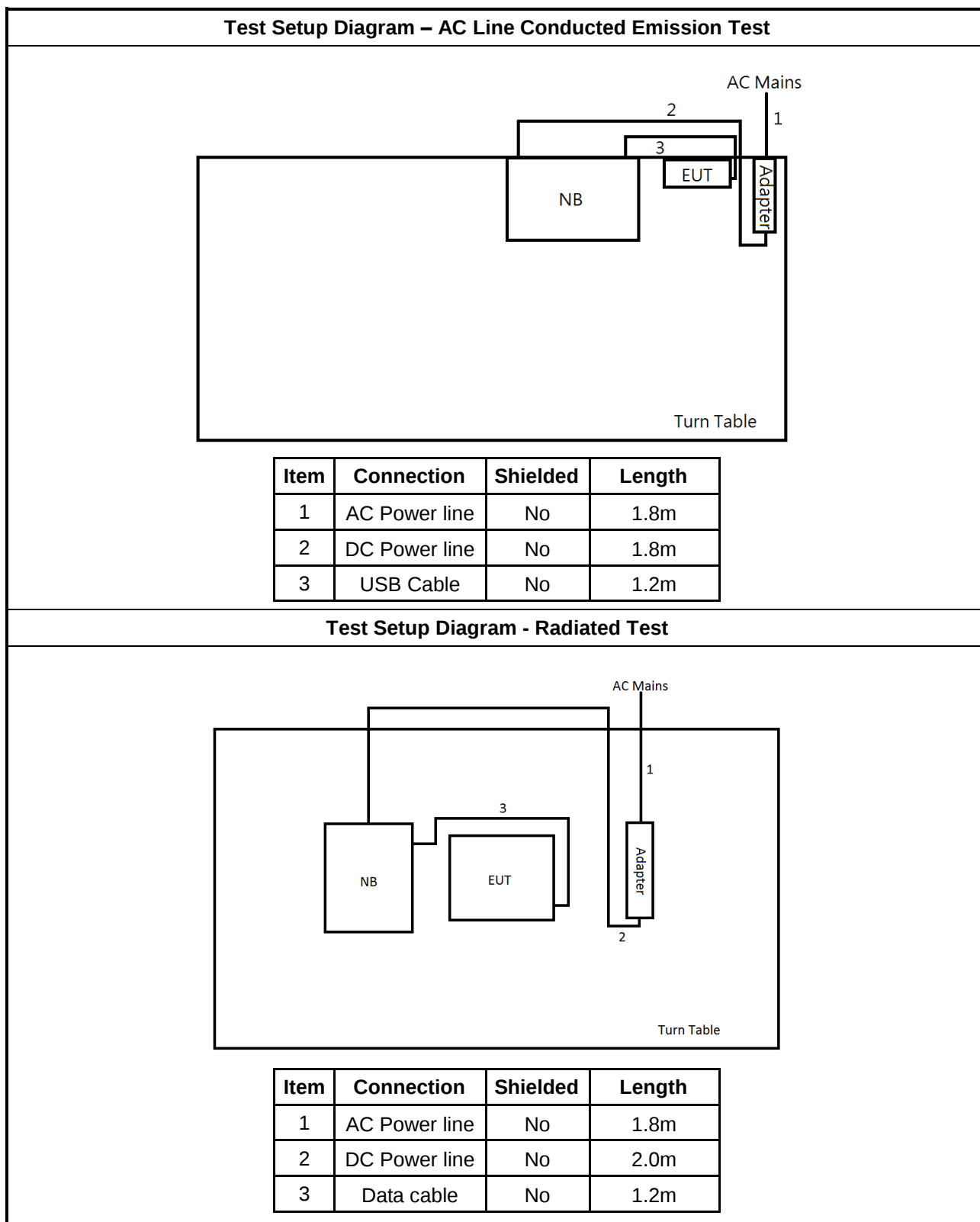
2.5 Support Equipment

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	HP	ProBook5220m	-
2	Mouse(USB)	DELL	MS111-L	-
3	iPod	APPLE	YM719D8YVQ5	-
4	AC adapter	HP	608425-003	-
5	USB Cable	-	-	-

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	DC Power Supply	GW	GPS-3030DD	-

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	HP	ProBook5220m	-
2	Adapter for notebook	HP	Series PPP012H-S	-

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.

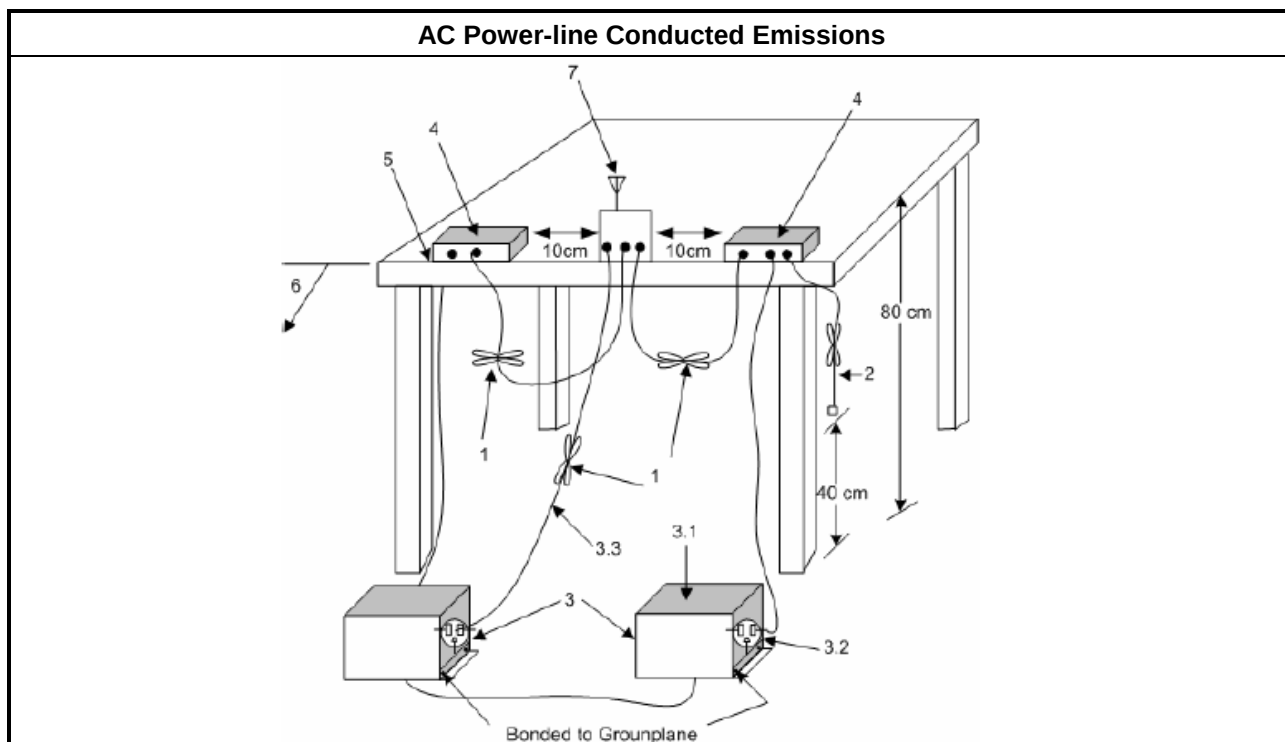
3.1.2 Measuring Instruments

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 $ChS \geq MAX$ (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	

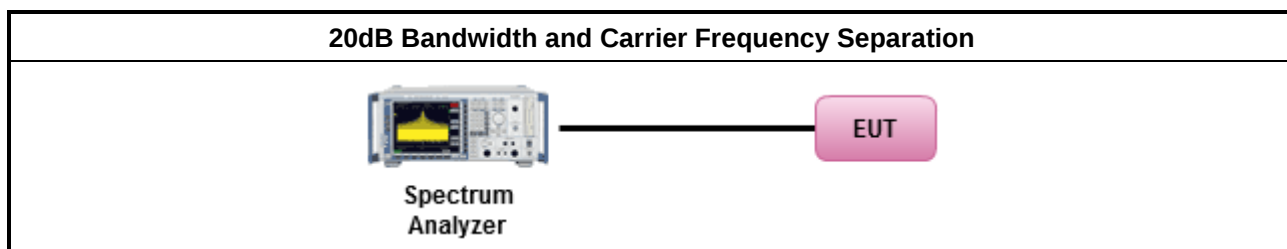
3.2.2 Measuring Instruments

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	

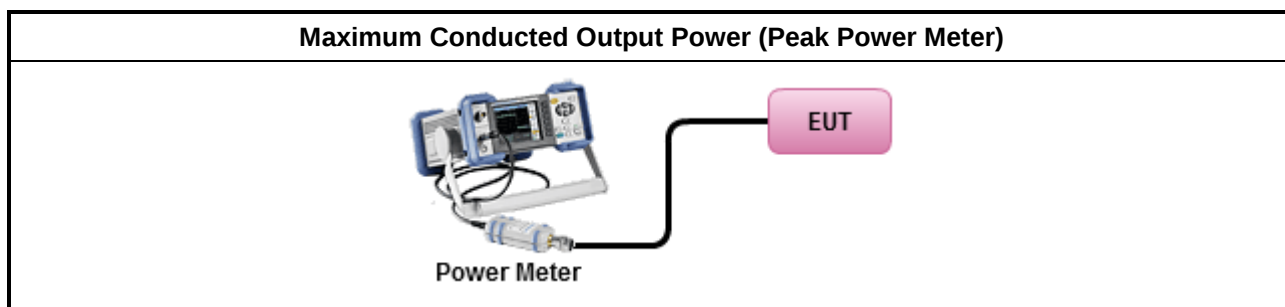
3.3.2 Measuring Instruments

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

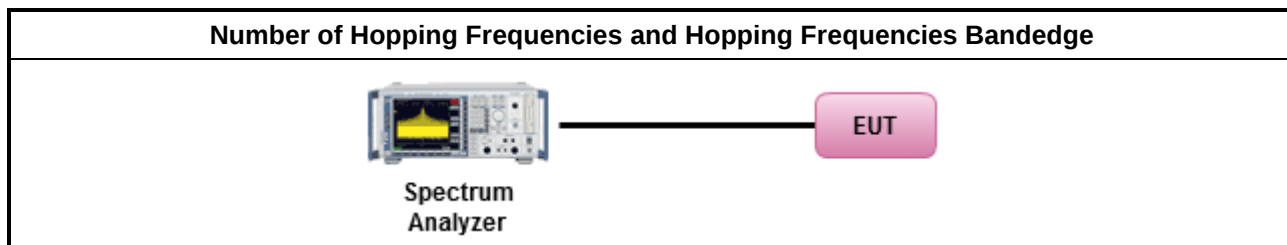
3.4.3 Measuring Instruments

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	

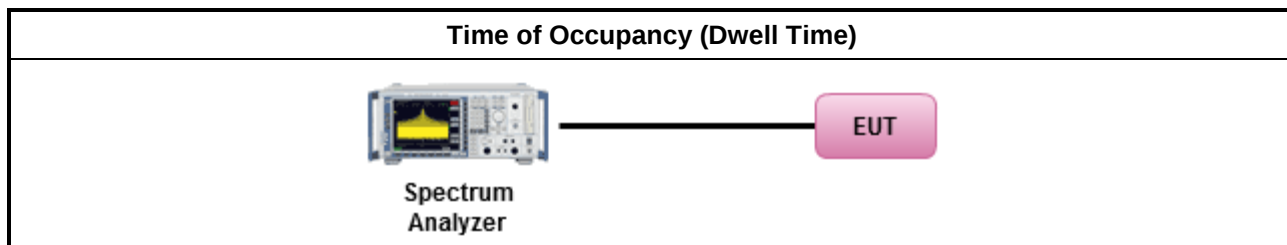
3.5.2 Measuring Instruments

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.	

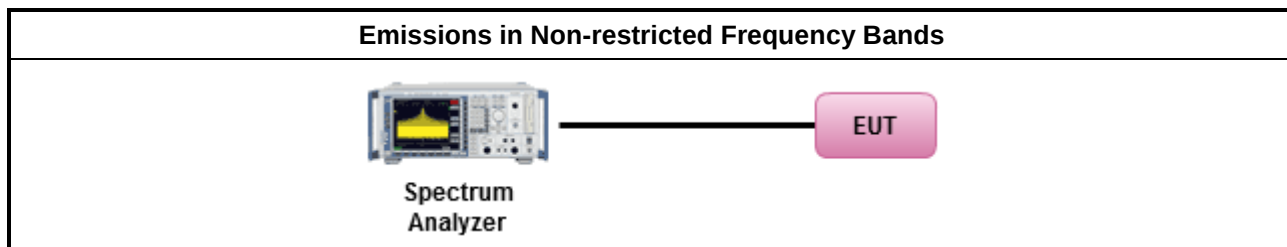
3.6.2 Measuring Instruments

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.

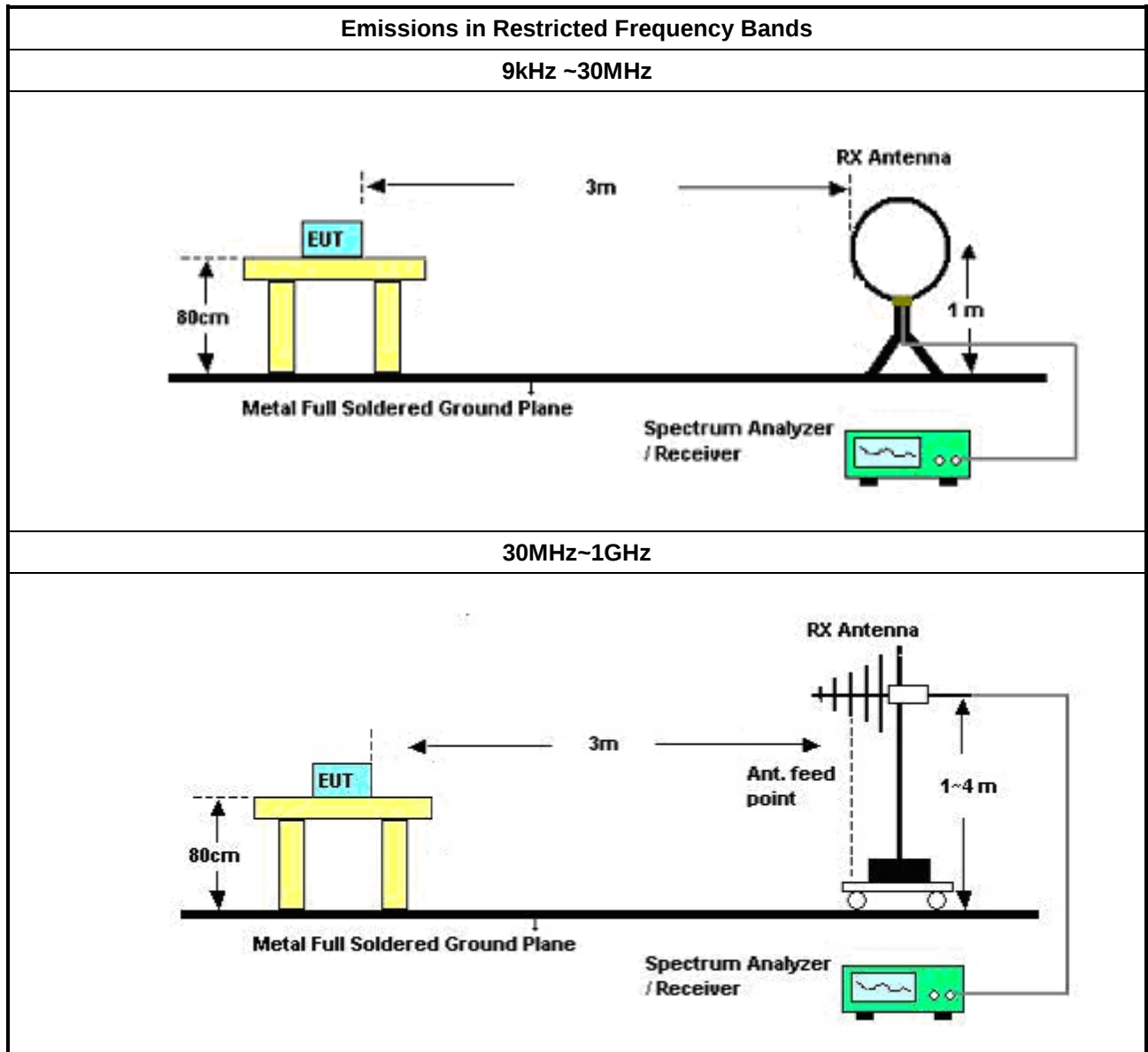
3.7.2 Measuring Instruments

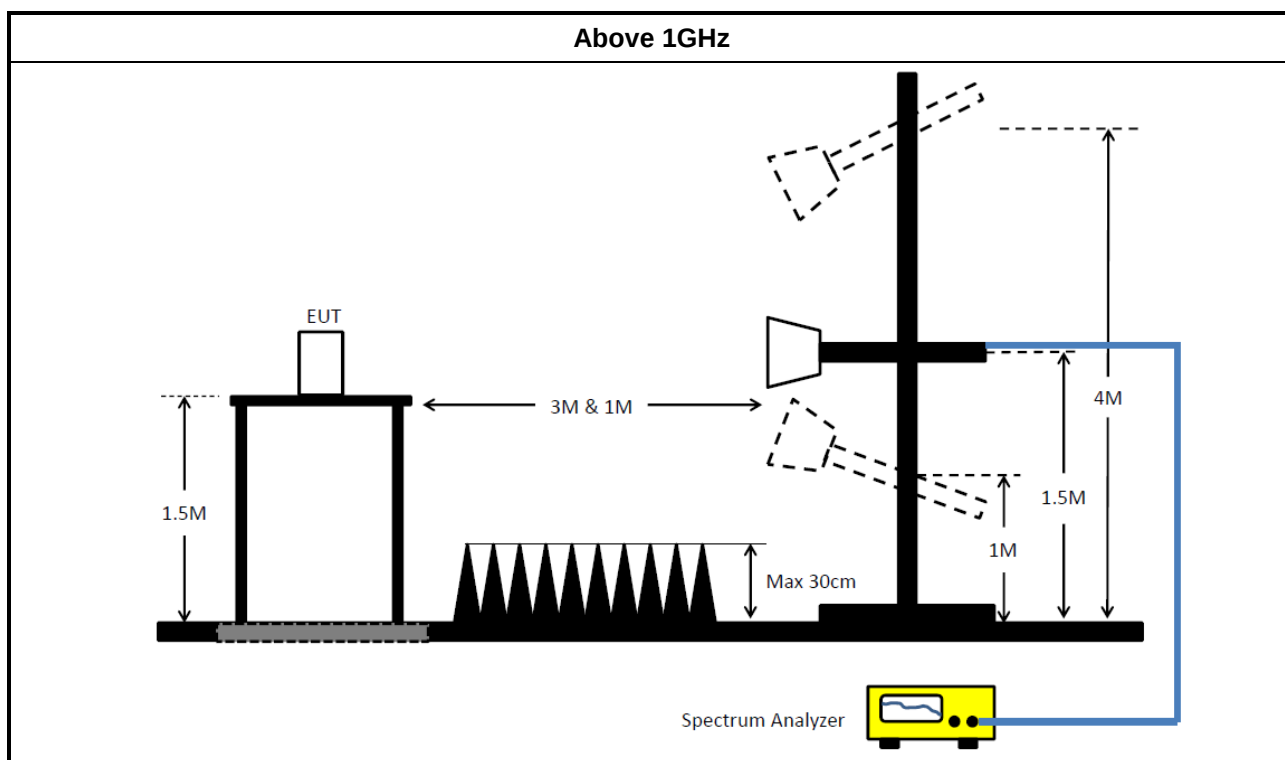
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [hopping duty factor].	
▪ Refer as ANSI C63.10; clause 6.9.2.2 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	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	17/Sep/2018	16/Sep/2019
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/2018	11/Oct/2019

NCR : Non-Calibration Require

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	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz ~ 1GHz	02/Oct/2018	03/Oct/2019
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/2018	23/Aug/2019
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
EMC Receiver	R&S	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019

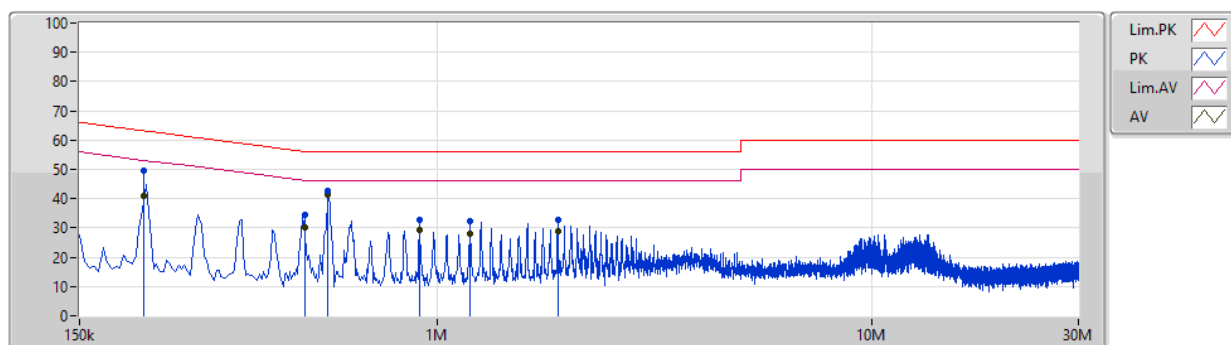
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	18/Jul/2018	17/Jul/2019
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-1m	HUBER+SUHNER	MY37332/4	RF Cable - 44	30MHz~1GHz	26/Jan/2018	25/Jan/2019
RF Cable-1m	HUBER+SUHNER	MY37332/4	RF Cable - 44	1GHz~18GHz	26/Jan/2018	25/Jan/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz~26.5GHz	26/Jan/2018	25/Jan/2019
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz~26.5GHz	26/Jan/2018	25/Jan/2019
Signal Generator	R&S	SMB100A	175727	100kHz~40GHz	26/Oct/2017	25/Oct/2018

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	USB mode		

17/10/2018

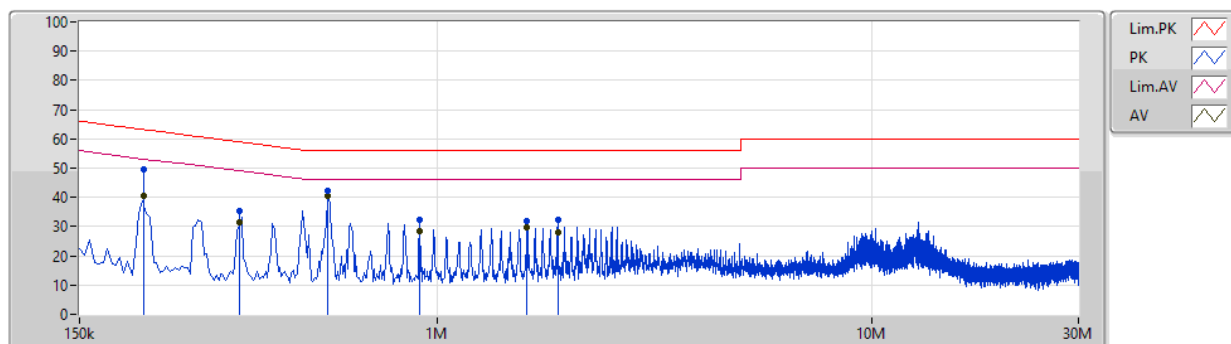


Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	210.961k	49.62	63.17	-13.55	19.50	Neutral	-	30.12	9.62	0.01	9.87			
AV	210.961k	41.12	53.17	-12.05	19.50	Neutral	-	21.62	9.62	0.01	9.87			
QP	494.848k	34.27	56.10	-21.83	19.57	Neutral	-	14.70	9.61	0.08	9.88			
AV	494.848k	30.12	46.10	-15.98	19.57	Neutral	-	10.55	9.61	0.08	9.88			
QP	560.915k	42.64	56.00	-13.36	19.55	Neutral	-	23.09	9.61	0.06	9.88			
AV	560.915k	41.41	46.00	-4.59	19.55	Neutral	"Worst"	21.86	9.61	0.06	9.88			
QP	911.178k	32.80	56.00	-23.20	19.51	Neutral	-	13.29	9.62	0.01	9.88			
AV	911.178k	29.29	46.00	-16.71	19.51	Neutral	-	9.78	9.62	0.01	9.88			
QP	1.193M	32.47	56.00	-23.53	19.51	Neutral	-	12.96	9.62	0.01	9.88			
AV	1.193M	28.02	46.00	-17.98	19.51	Neutral	-	8.51	9.62	0.01	9.88			
QP	1.894M	32.71	56.00	-23.29	19.52	Neutral	-	13.19	9.63	0.01	9.88			
AV	1.894M	28.90	46.00	-17.10	19.52	Neutral	-	9.38	9.63	0.01	9.88			

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	USB mode		

17/10/2018



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	211.375k	49.42	63.15	-13.73	19.50	Line	-	29.92	9.62	0.01	9.87			
AV	211.375k	40.53	53.15	-12.62	19.50	Line	-	21.03	9.62	0.01	9.87			
QP	350.527k	35.44	58.94	-23.50	19.57	Line	-	15.87	9.61	0.08	9.88			
AV	350.527k	31.52	48.94	-17.42	19.57	Line	-	11.95	9.61	0.08	9.88			
QP	559.467k	42.14	56.00	-13.86	19.55	Line	-	22.59	9.61	0.06	9.88			
AV	559.467k	40.60	46.00	-5.40	19.55	Line	"Worst"	21.05	9.61	0.06	9.88			
QP	912.098k	32.34	56.00	-23.66	19.50	Line	-	12.84	9.61	0.01	9.88			
AV	912.098k	28.62	46.00	-17.38	19.50	Line	-	9.12	9.61	0.01	9.88			
QP	1.613M	32.03	56.00	-23.97	19.51	Line	-	12.52	9.62	0.01	9.88			
AV	1.613M	29.95	46.00	-16.05	19.51	Line	-	10.44	9.62	0.01	9.88			
QP	1.894M	32.12	56.00	-23.88	19.51	Line	-	12.61	9.62	0.01	9.88			
AV	1.894M	28.15	46.00	-17.85	19.51	Line	-	8.64	9.62	0.01	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)	913.75k	857.071k	857KF1D	875k	848.326k
BT-EDR(2Mbps)	1.28M	1.188M	1M19G1D	1.255M	1.186M
BT-EDR(3Mbps)	1.263M	1.191M	1M19G1D	1.248M	1.188M

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;

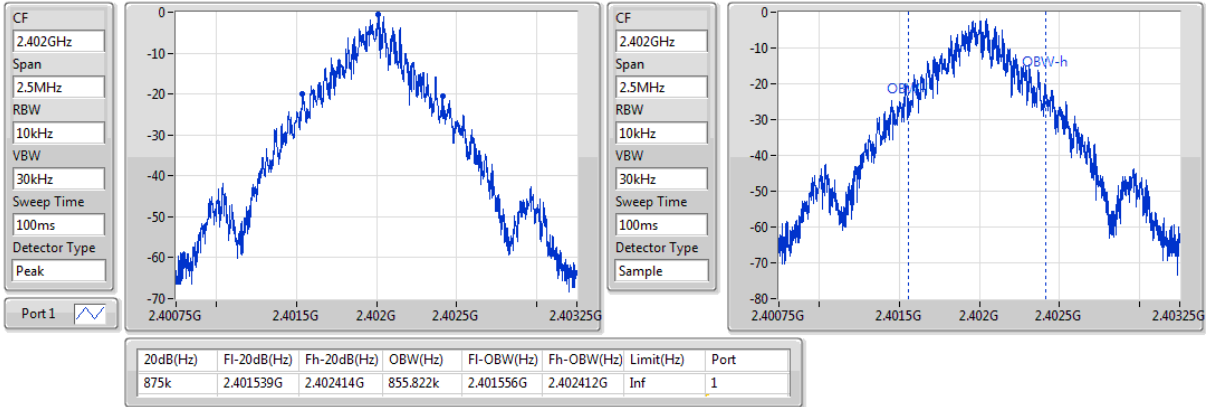
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	875k	855.822k
2441MHz_TnomVnom	Pass	Inf	913.75k	857.071k
2480MHz_TnomVnom	Pass	Inf	877.5k	848.326k
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.28M	1.186M
2441MHz_TnomVnom	Pass	Inf	1.279M	1.188M
2480MHz_TnomVnom	Pass	Inf	1.255M	1.186M
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.263M	1.188M
2441MHz_TnomVnom	Pass	Inf	1.248M	1.191M
2480MHz_TnomVnom	Pass	Inf	1.256M	1.191M

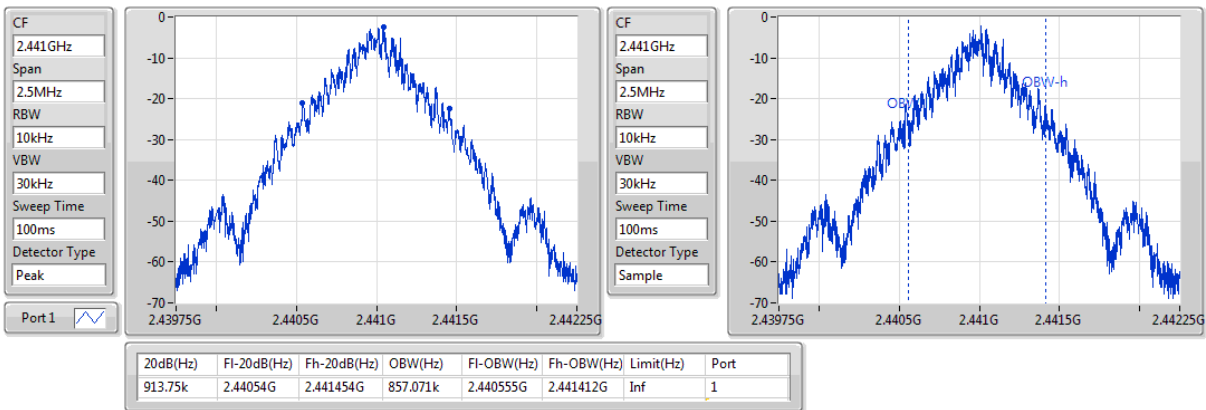
Port X-N dB = Port X 20dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

BT-BR(1Mbps)
EBW
2402MHz

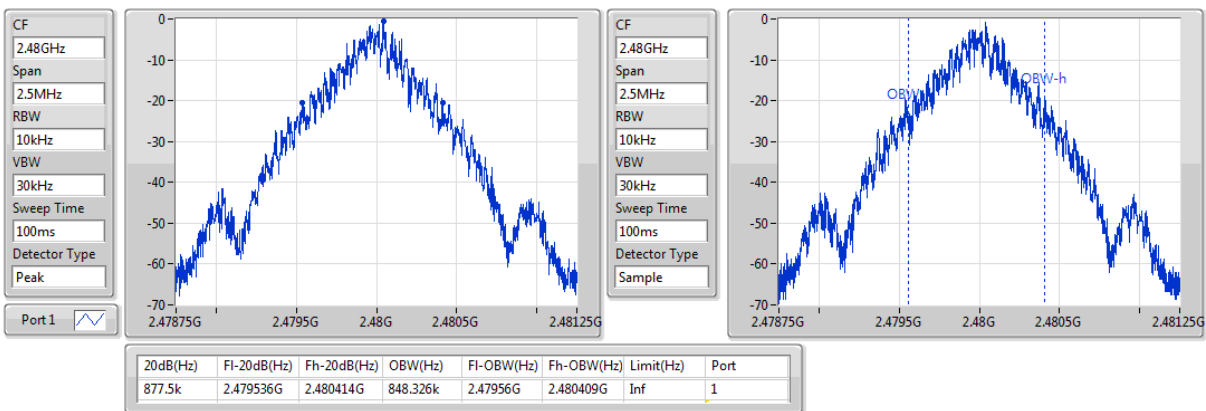
12/10/2018


BT-BR(1Mbps)
EBW
2441MHz

12/10/2018

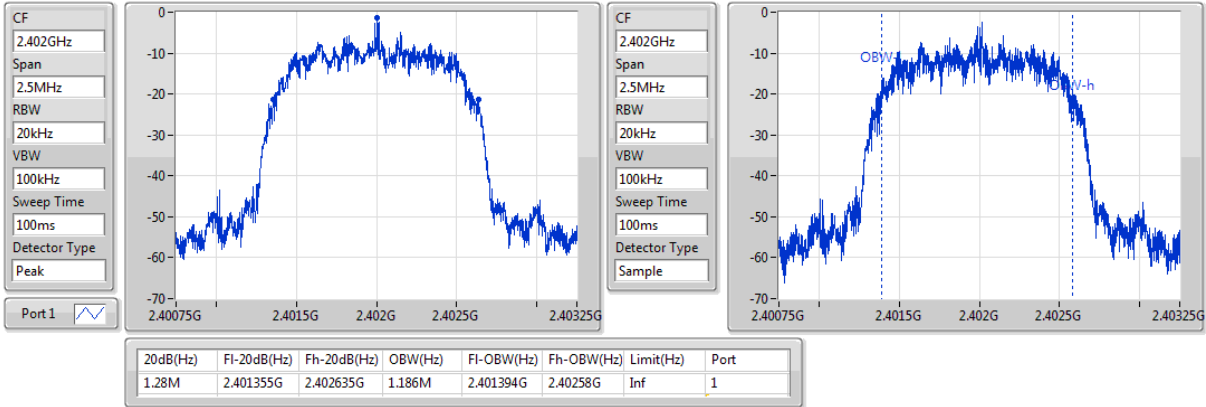

BT-BR(1Mbps)
EBW
2480MHz

12/10/2018

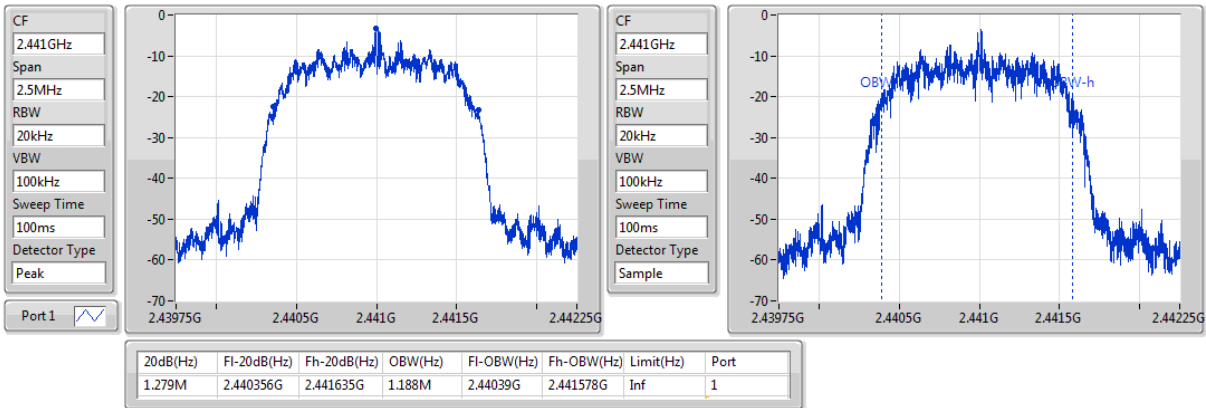


BT-EDR(2Mbps)
EBW
2402MHz

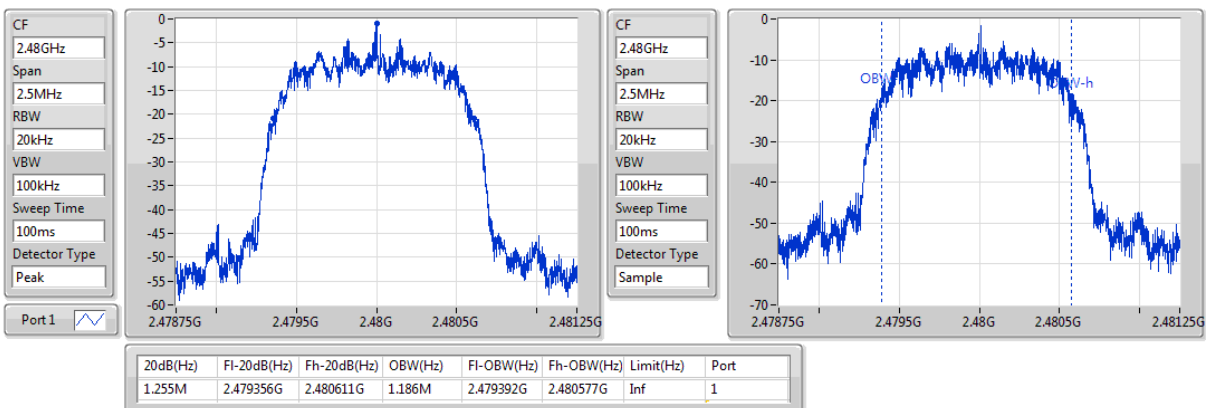
12/10/2018


BT-EDR(2Mbps)
EBW
2441MHz

12/10/2018

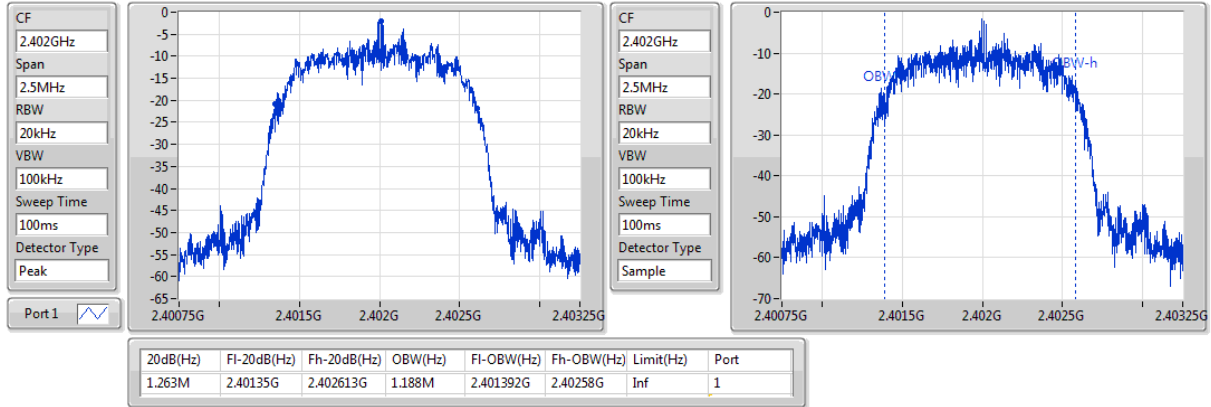

BT-EDR(2Mbps)
EBW
2480MHz

12/10/2018

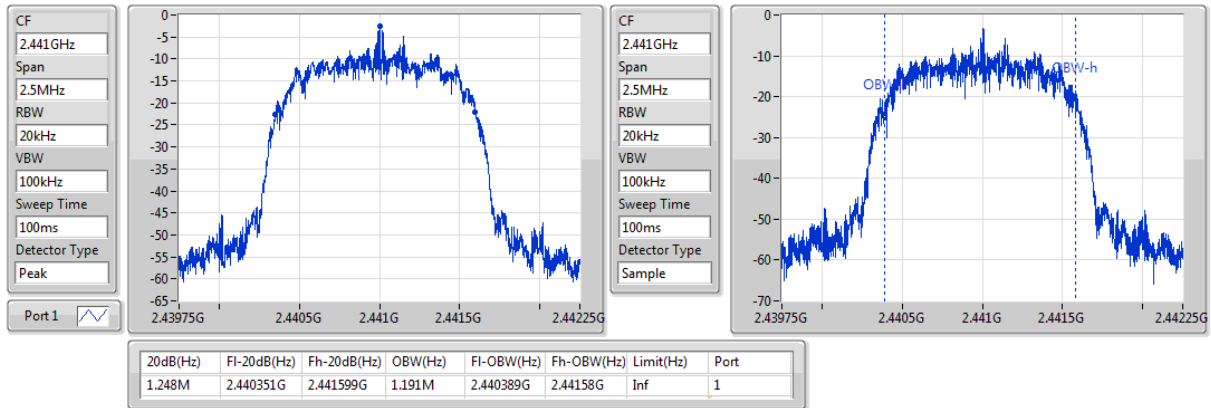


BT-EDR(3Mbps)
EBW
2402MHz

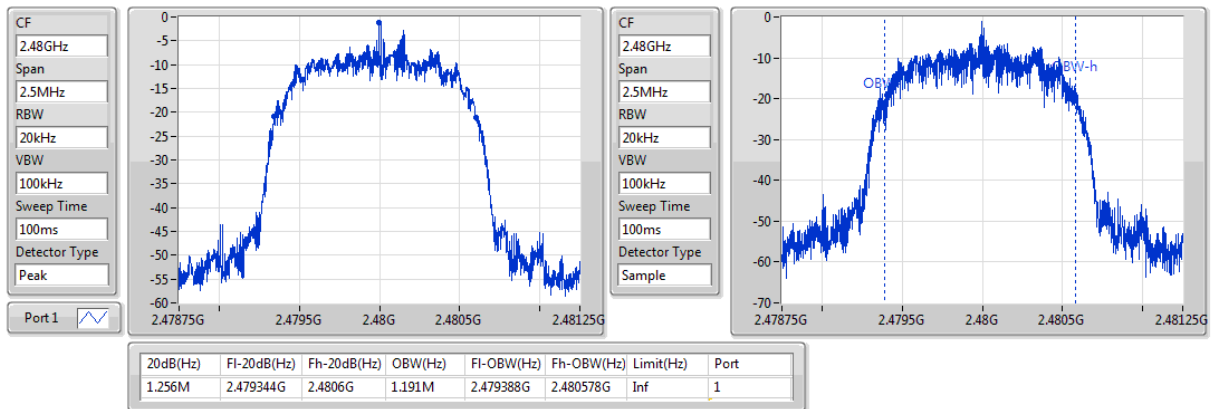
12/10/2018


BT-EDR(3Mbps)
EBW
2441MHz

12/10/2018


BT-EDR(3Mbps)
EBW
2480MHz

12/10/2018



Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	999k	996k
BT-EDR(2Mbps)	1.002M	997.5k
BT-EDR(3Mbps)	1.002M	1.0005M

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402001G	2.403G	999k	582.75k
2441MHz_TnomVnom	Pass	2.441002G	2.441998G	996k	608.5575k
2480MHz_TnomVnom	Pass	2.479001G	2.48G	999k	584.415k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402001G	2.403003G	1.002M	852.48k
2441MHz_TnomVnom	Pass	2.441001G	2.441998G	997.5k	851.814k
2480MHz_TnomVnom	Pass	2.479001G	2.48G	999k	835.83k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402001G	2.403003G	1.002M	841.158k
2441MHz_TnomVnom	Pass	2.441001G	2.442001G	1.0005M	831.168k
2480MHz_TnomVnom	Pass	2.478998G	2.479998G	1.0005M	836.496k

BT-BR(1Mbps)

Channel Separation

2.402G/2.403GHz



BT-BR(1Mbps)

Channel Separation

2.441G/2.442GHz



BT-BR(1Mbps)

Channel Separation

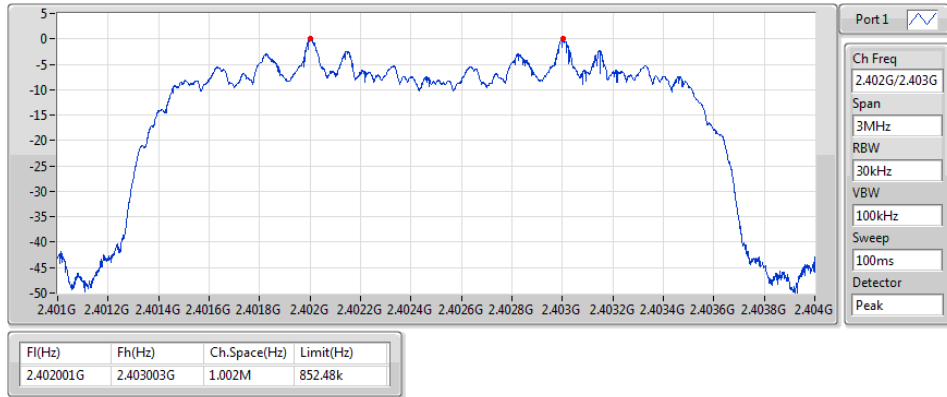
2.48G/2.479GHz



BT-EDR(2Mbps)

Channel Separation

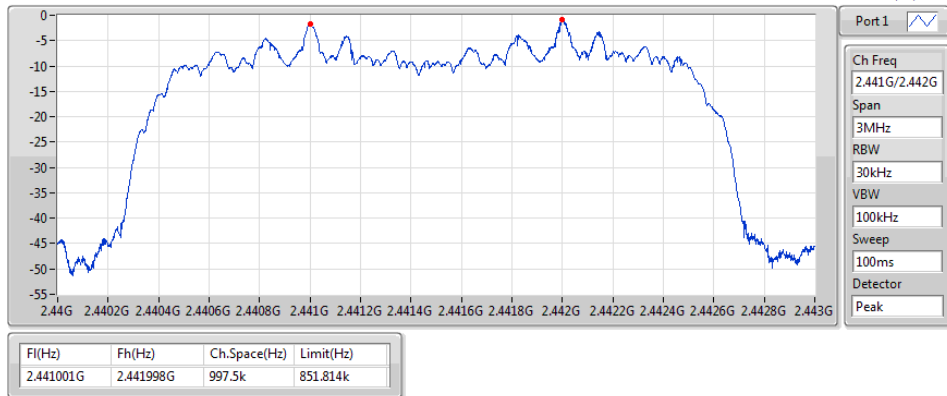
2.402G/2.403GHz



BT-EDR(2Mbps)

Channel Separation

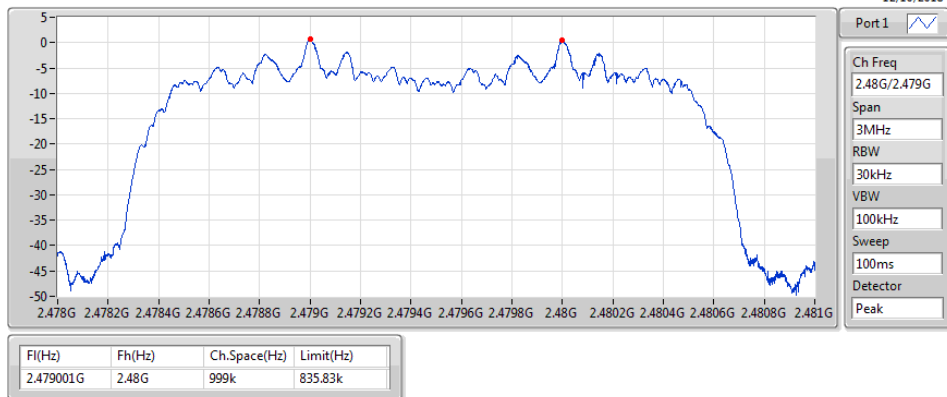
2.441G/2.442GHz



BT-EDR(2Mbps)

Channel Separation

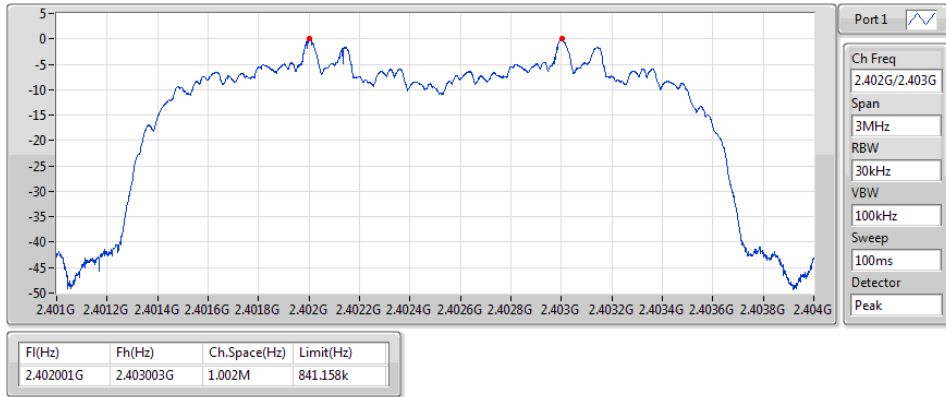
2.48G/2.479GHz



BT-EDR(3Mbps)

Channel Separation

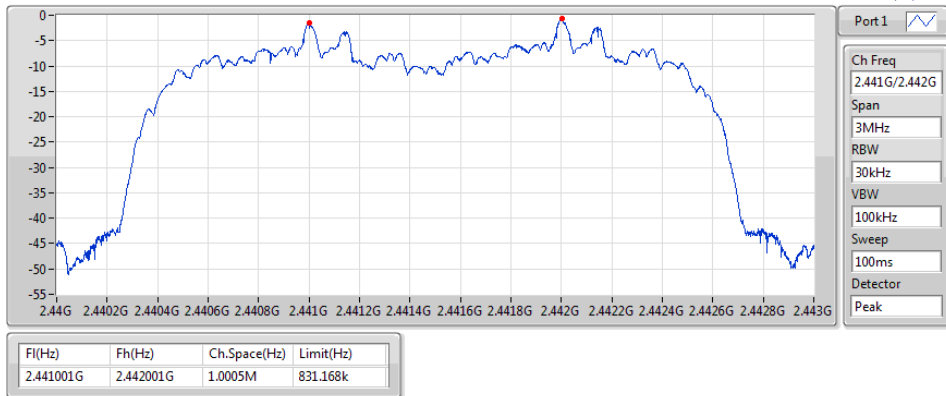
2.402G/2.403GHz



BT-EDR(3Mbps)

Channel Separation

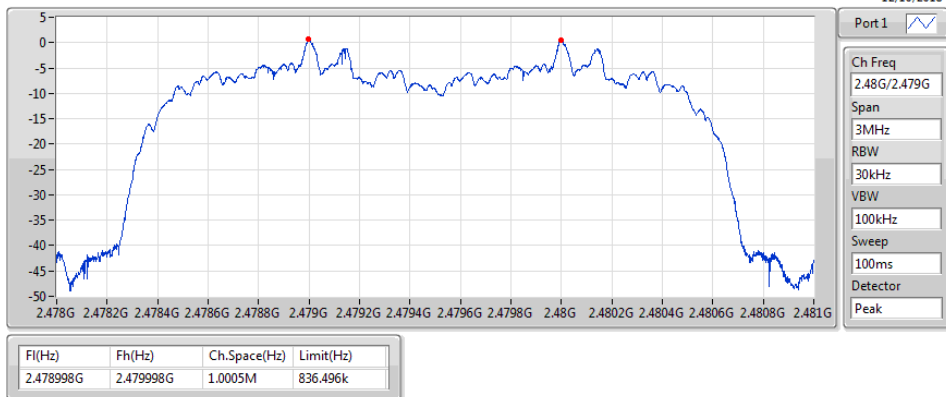
2.441G/2.442GHz



BT-EDR(3Mbps)

Channel Separation

2.48G/2.479GHz



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	5.34	0.00342
BT-EDR(2Mbps)	4.67	0.00293
BT-EDR(3Mbps)	5.02	0.00318

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.30	4.94	21.00
2441MHz_TnomVnom	Pass	3.30	3.56	21.00
2480MHz_TnomVnom	Pass	3.30	5.34	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.30	4.04	21.00
2441MHz_TnomVnom	Pass	3.30	2.67	21.00
2480MHz_TnomVnom	Pass	3.30	4.67	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.30	4.61	21.00
2441MHz_TnomVnom	Pass	3.30	3.21	21.00
2480MHz_TnomVnom	Pass	3.30	5.02	21.00

Summary

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	4.94	0.00312
BT-EDR(2Mbps)	1.75	0.00150
BT-EDR(3Mbps)	1.70	0.00148

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.30	4.55	21.00
2441MHz_TnomVnom	Pass	3.30	3.18	21.00
2480MHz_TnomVnom	Pass	3.30	4.94	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.30	1.14	21.00
2441MHz_TnomVnom	Pass	3.30	-0.30	21.00
2480MHz_TnomVnom	Pass	3.30	1.75	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.30	1.32	21.00
2441MHz_TnomVnom	Pass	3.30	-0.20	21.00
2480MHz_TnomVnom	Pass	3.30	1.70	21.00

Summary

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

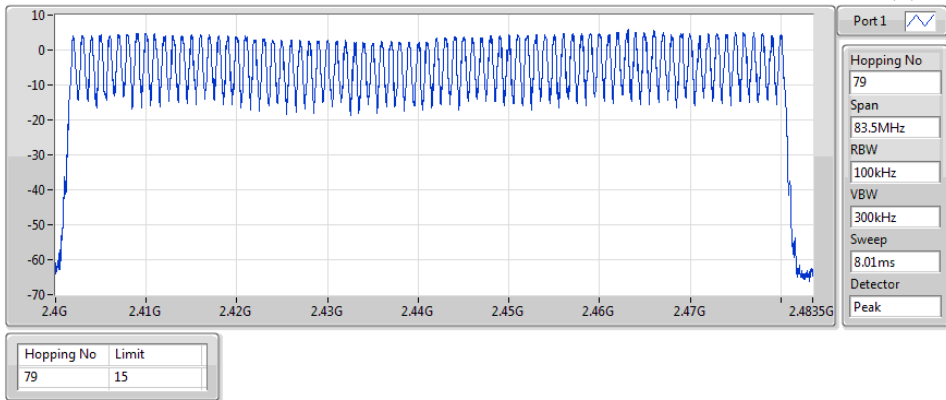
Result

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

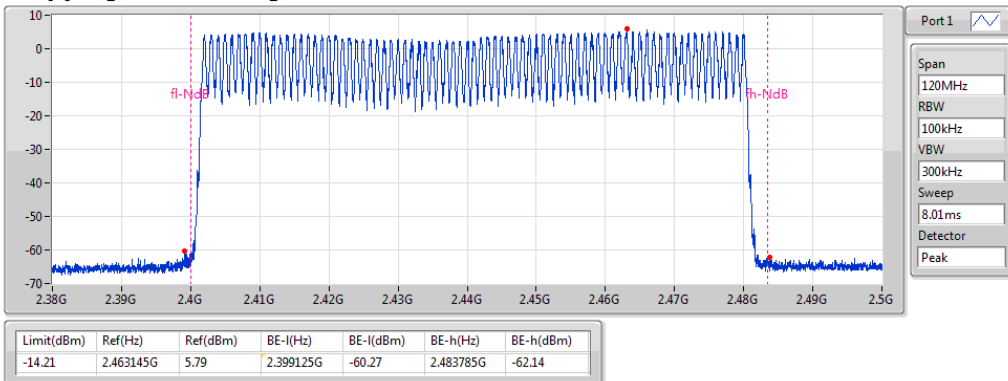
Hopping Ch



BT-BR(1Mbps)

2441MHz

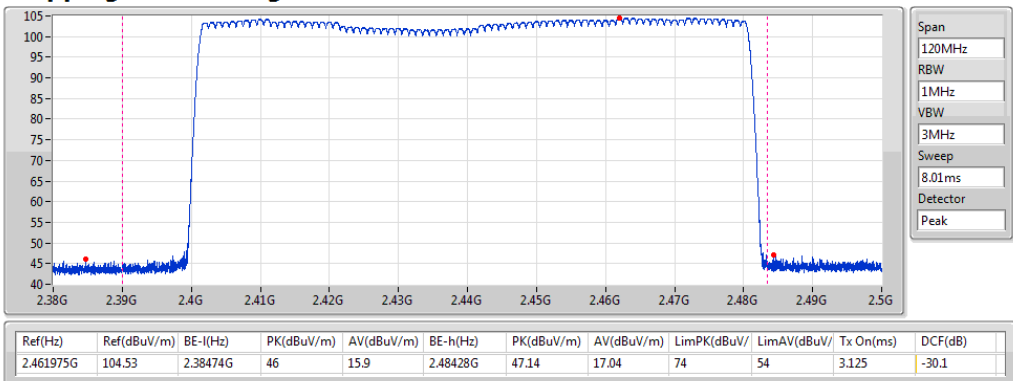
Hopping Ch Bandedge (Non-restricted Band)



BT-BR(1Mbps)

2441MHz

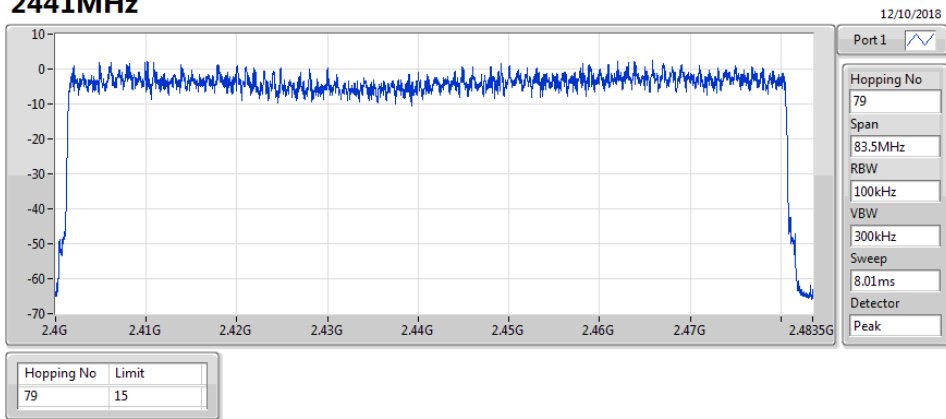
Hopping Ch Bandedge (Restricted Band)



BT-EDR(2Mbps)

2441MHz

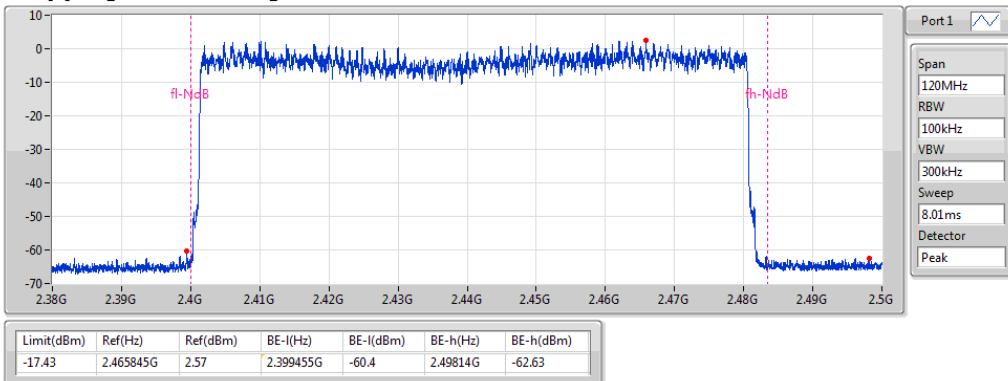
Hopping Ch



BT-EDR(2Mbps)

2441MHz

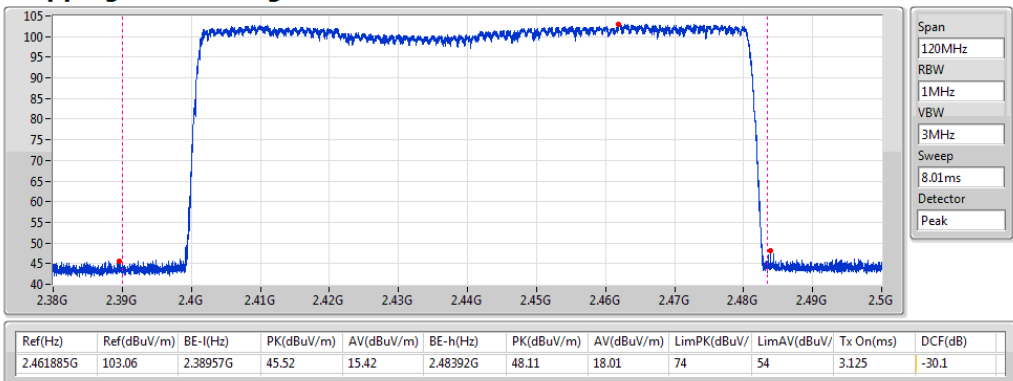
Hopping Ch Bandedge (Non-restricted Band)



BT-EDR(2Mbps)

2441MHz

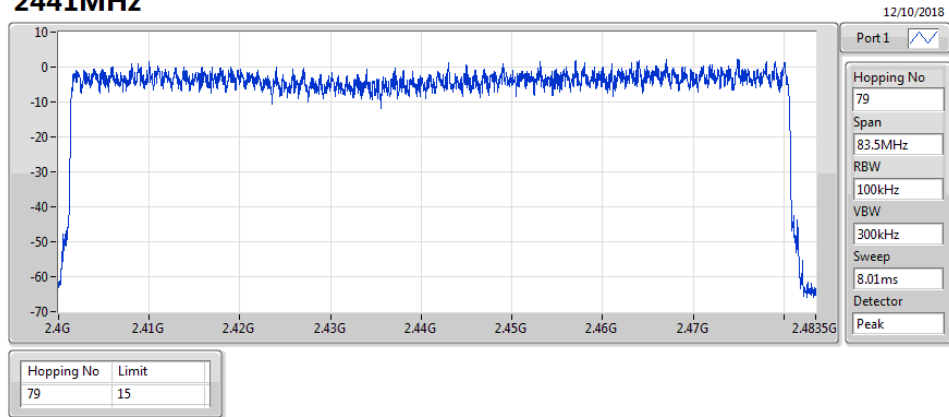
Hopping Ch Bandedge (Restricted Band)



BT-EDR(3Mbps)

2441MHz

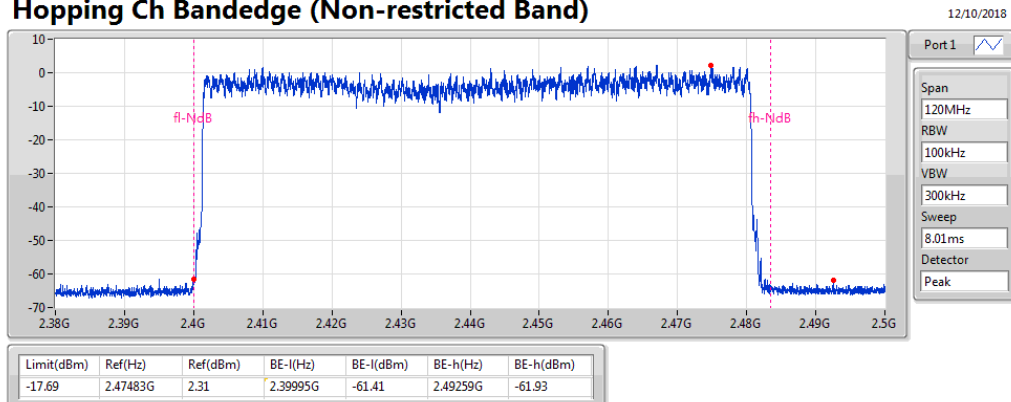
Hopping Ch



BT-EDR(3Mbps)

2441MHz

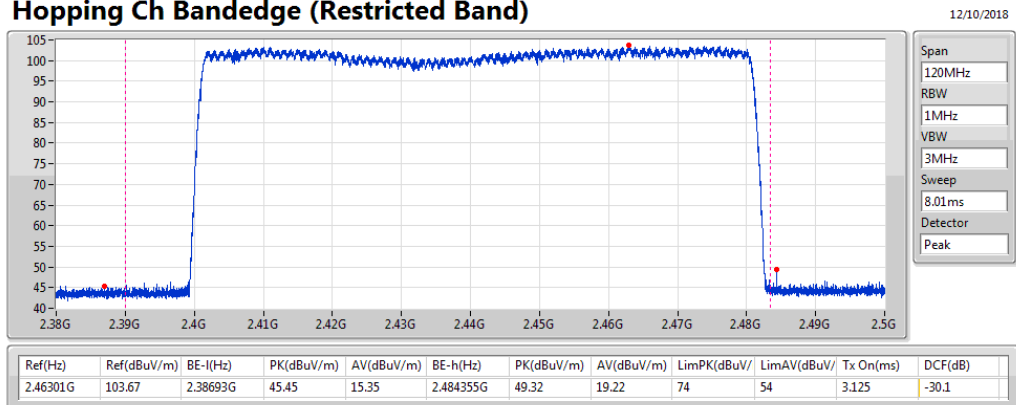
Hopping Ch Bandedge (Non-restricted Band)



BT-EDR(3Mbps)

2441MHz

Hopping Ch Bandedge (Restricted Band)



Summary

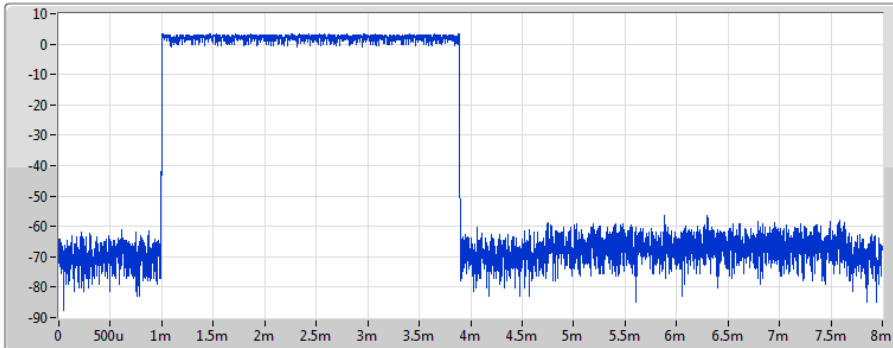
Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	308.074m
BT-EDR(2Mbps)	308.3938m
BT-EDR(3Mbps)	308.5004m

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	308.3938m	400m	2.893m
BT-EDR(3Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	308.5004m	400m	2.894m

BT-BR(1Mbps)

2441MHz



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

Dwell

12/10/2018

Port 1 

Ch Freq
2.441GHz

RBW
300kHz

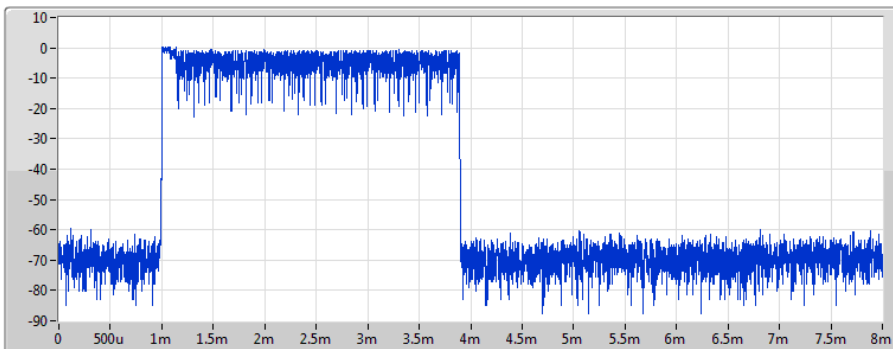
VBW
1MHz

Sweep Time
8ms

TX Time
2.89ms

BT-EDR(2Mbps)

2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.3938m	400m	2.893m

Dwell

12/10/2018

Port 1 

Ch Freq
2.441GHz

RBW
300kHz

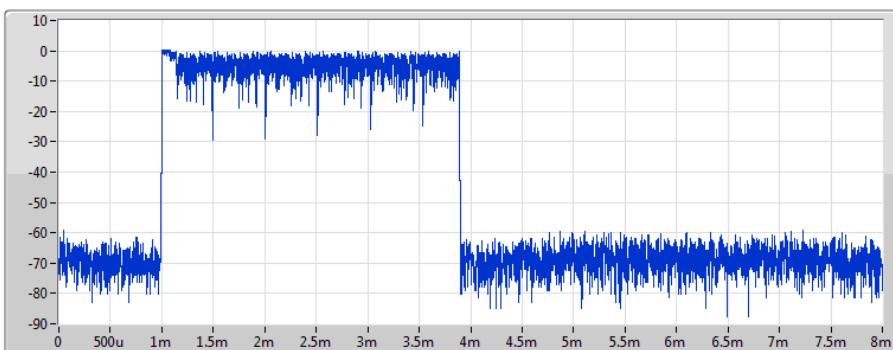
VBW
1MHz

Sweep Time
8ms

TX Time
2.893ms

BT-EDR(3Mbps)

2441MHz



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

Dwell

12/10/2018

Port 1 

Ch Freq
2.441GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.894ms

Summary

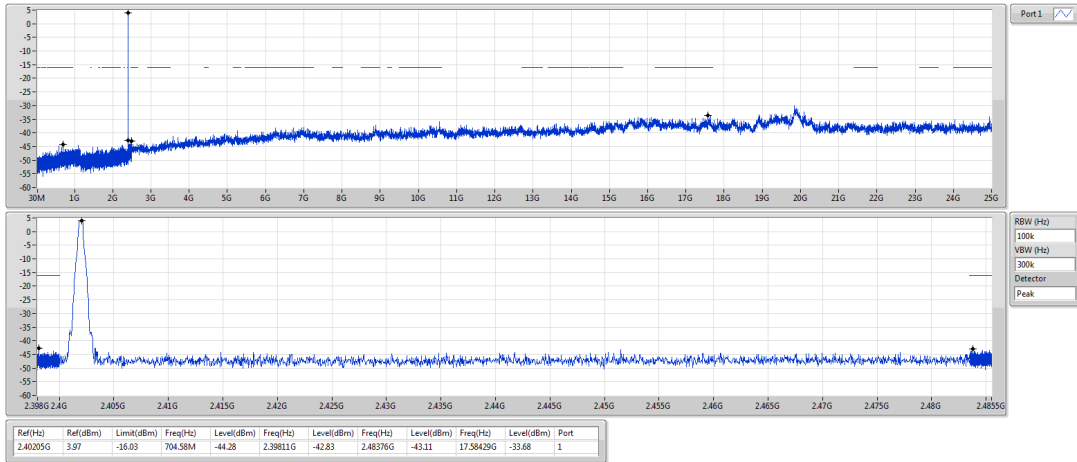
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.44083G	2.72	-17.28	886.62M	-44.64	2.39989G	-44.24	2.48518G	-43.03	16.21372G	-33.58	1
BT-EDR(2Mbps)	Pass	2.44112G	-0.25	-20.25	2.0949G	-44.77	2.39875G	-43.19	2.4851G	-43.23	15.16679G	-33.36	1
BT-EDR(3Mbps)	Pass	2.44108G	-1.91	-21.91	1.96821G	-45.01	2.39943G	-42.86	2.48405G	-43.31	17.47734G	-33.26	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	2.40205G	3.97	-16.03	704.58M	-44.28	2.39811G	-42.83	2.48376G	-43.11	17.58429G	-33.68	1
2441MHz_TnomVnom	Pass	2.44083G	2.72	-17.28	886.62M	-44.64	2.39989G	-44.24	2.48518G	-43.03	16.21372G	-33.58	1
2480MHz_TnomVnom	Pass	2.48003G	4.39	-15.61	2.39652G	-44.00	2.39855G	-43.92	2.48522G	-43.28	16.82724G	-33.66	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.40196G	0.73	-19.27	2.139G	-44.43	2.39813G	-43.45	2.48507G	-42.81	17.46046G	-34.17	1
2441MHz_TnomVnom	Pass	2.44112G	-0.25	-20.25	2.0949G	-44.77	2.39875G	-43.19	2.4851G	-43.23	15.16679G	-33.36	1
2480MHz_TnomVnom	Pass	2.47995G	-0.17	-20.17	883.96M	-44.68	2.39901G	-43.22	2.48391G	-42.92	23.3086G	-34.10	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.40196G	1.68	-18.32	2.15498G	-44.66	2.39926G	-43.79	2.48515G	-42.60	17.58147G	-34.42	1
2441MHz_TnomVnom	Pass	2.44108G	-1.91	-21.91	1.96821G	-45.01	2.39943G	-42.86	2.48405G	-43.31	17.47734G	-33.26	1
2480MHz_TnomVnom	Pass	2.47999G	1.16	-18.84	2.30328G	-43.88	2.39998G	-43.71	2.48546G	-42.26	16.22779G	-32.46	1

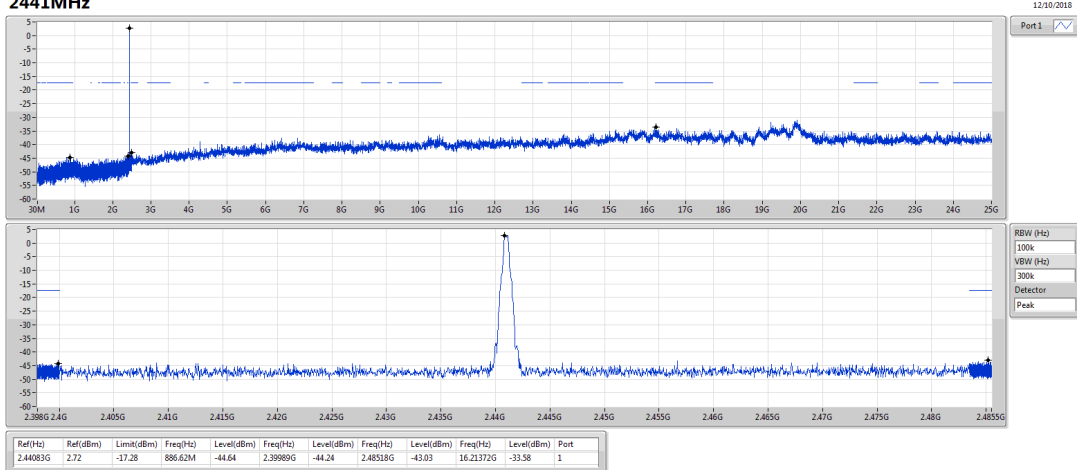
BT-BR(1Mbps)
2402MHz

CSE NdB



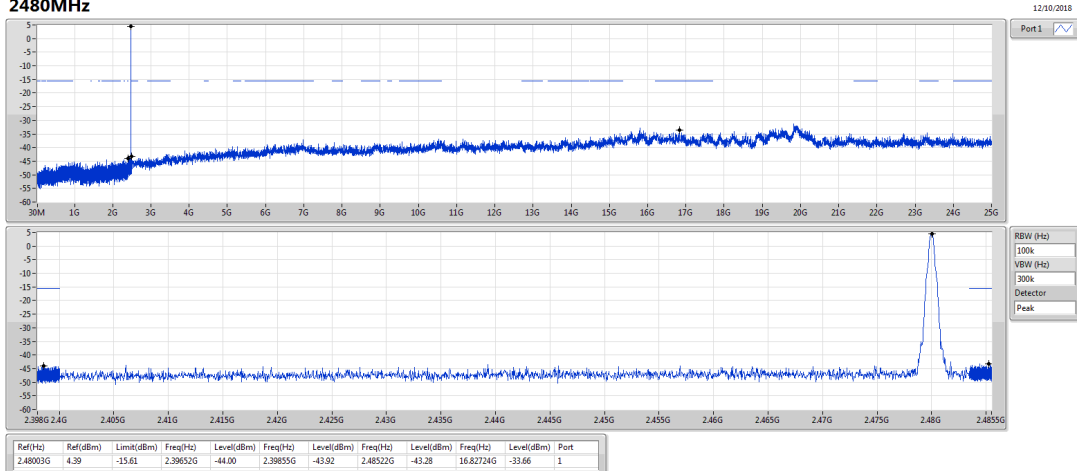
BT-BR(1Mbps)
2441MHz

CSE NdB



BT-BR(1Mbps)
2480MHz

CSE NdB

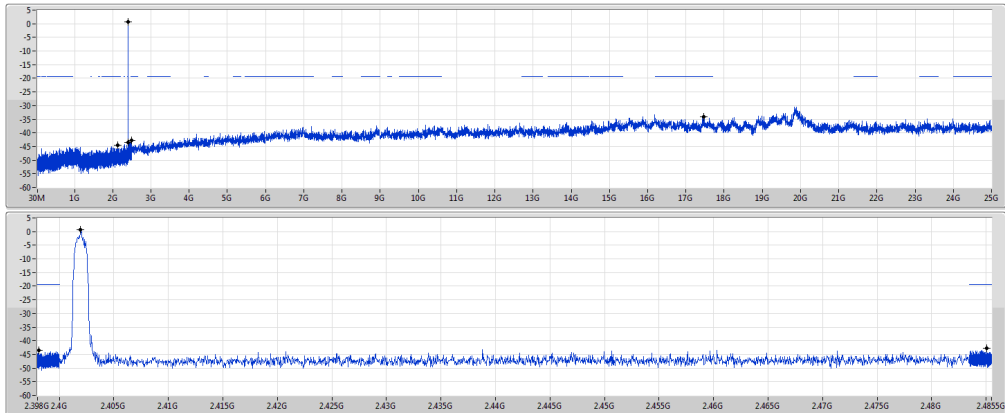


BT-EDR(2Mbps)

2402MHz

CSE NdB

12/10/2018

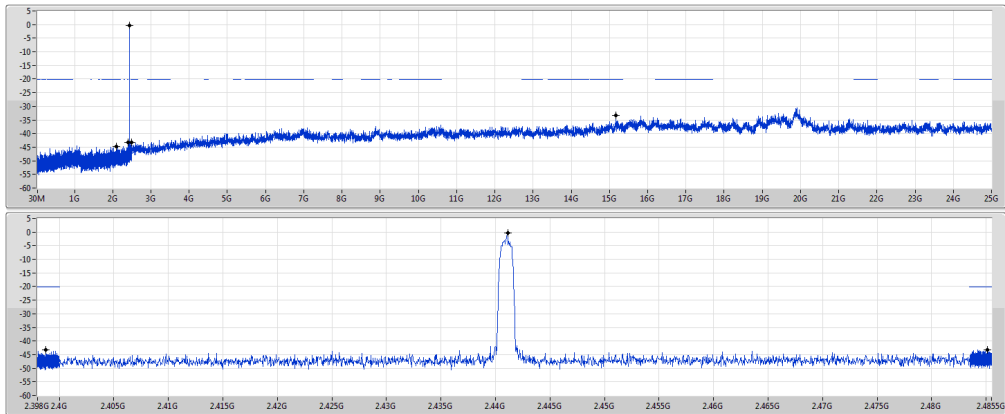


BT-EDR(2Mbps)

2441MHz

CSE NdB

12/10/2018

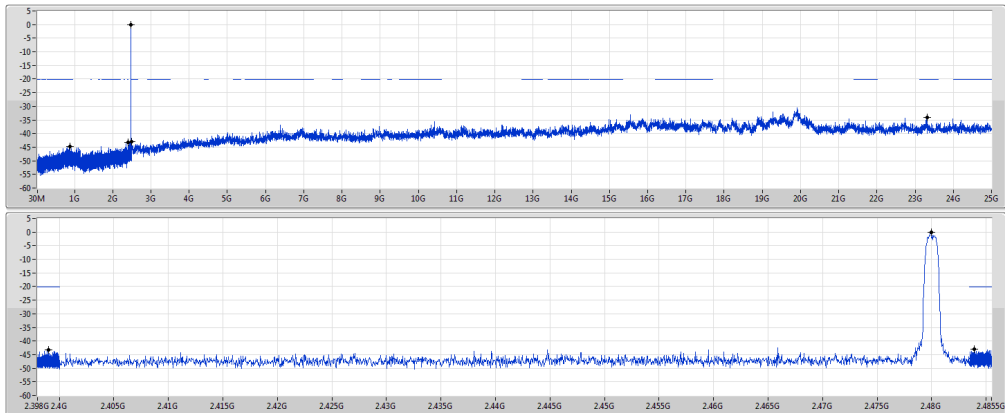


BT-EDR(2Mbps)

2480MHz

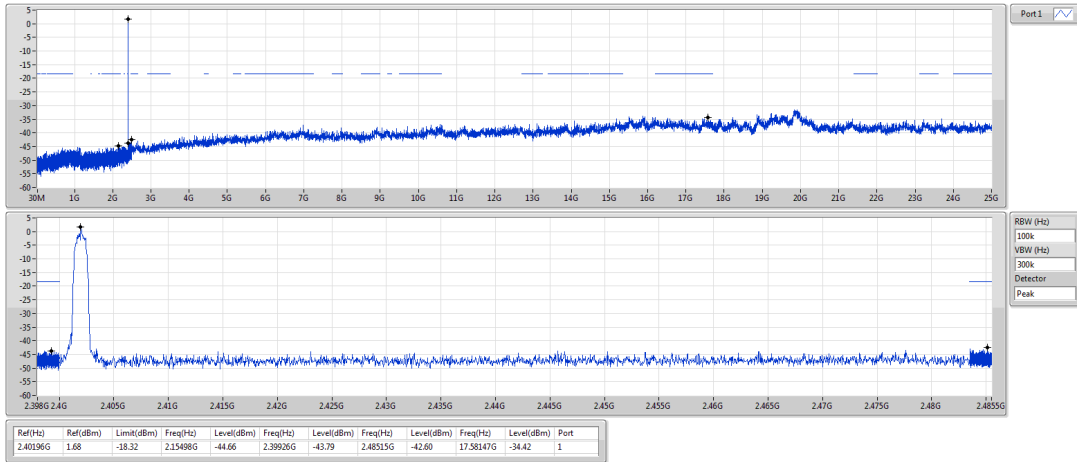
CSE NdB

12/10/2018



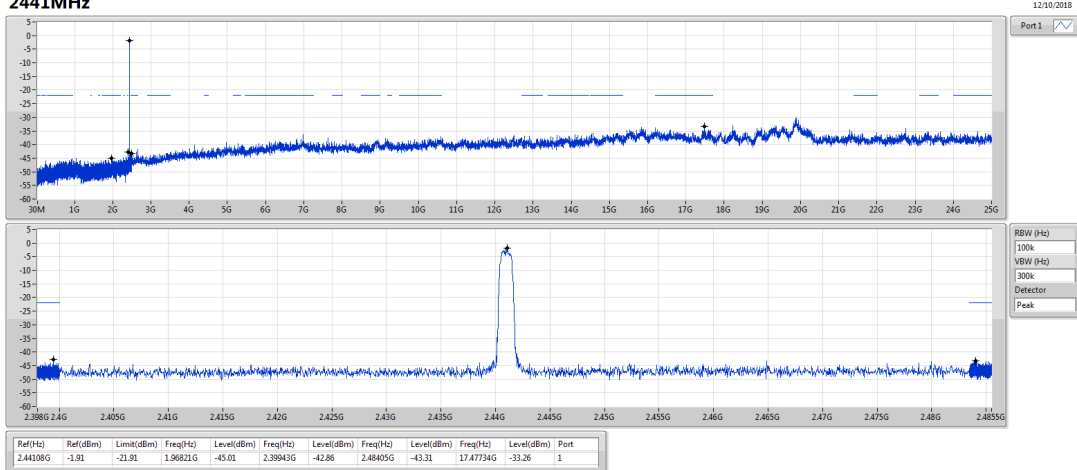
BT-EDR(3Mbps)
2402MHz

CSE NdB



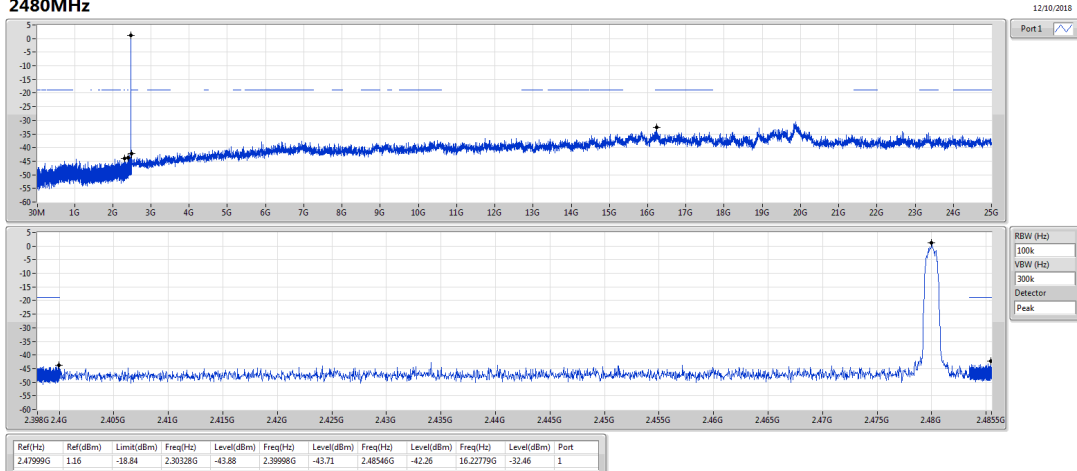
BT-EDR(3Mbps)
2441MHz

CSE NdB



BT-EDR(3Mbps)
2480MHz

CSE NdB



**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	788.54M	33.26	46.00	-12.74	-8.11	3	Vertical	360	1.00	-

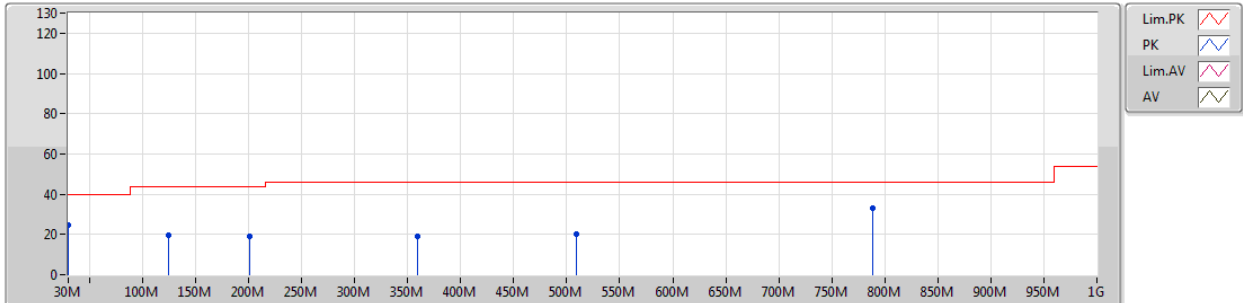
Result

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	24.47	40.00	-15.53	-13.40	3	Vertical	360	1.00	-
2441MHz	Pass	PK	125.06M	19.81	43.50	-23.69	-19.21	3	Vertical	360	1.00	-
2441MHz	Pass	PK	200.72M	18.96	43.50	-24.54	-21.04	3	Vertical	360	1.00	-
2441MHz	Pass	PK	359.8M	18.81	46.00	-27.19	-15.24	3	Vertical	360	1.00	-
2441MHz	Pass	PK	509.18M	20.11	46.00	-25.89	-12.12	3	Vertical	360	1.00	-
2441MHz	Pass	PK	788.54M	33.26	46.00	-12.74	-8.11	3	Vertical	360	1.00	-
2441MHz	Pass	PK	30M	26.13	40.00	-13.87	-13.40	3	Horizontal	0	2.00	-
2441MHz	Pass	PK	125.06M	19.54	43.50	-23.96	-19.21	3	Horizontal	0	2.00	-
2441MHz	Pass	PK	200.72M	18.03	43.50	-25.47	-21.04	3	Horizontal	0	2.00	-
2441MHz	Pass	PK	359.8M	19.31	46.00	-26.69	-15.24	3	Horizontal	0	2.00	-
2441MHz	Pass	PK	452.92M	18.54	46.00	-27.46	-12.83	3	Horizontal	0	2.00	-
2441MHz	Pass	PK	802.12M	31.38	46.00	-14.62	-8.12	3	Horizontal	0	2.00	-

BT-BR(1Mbps)

2441MHz_USB

11/10/2018

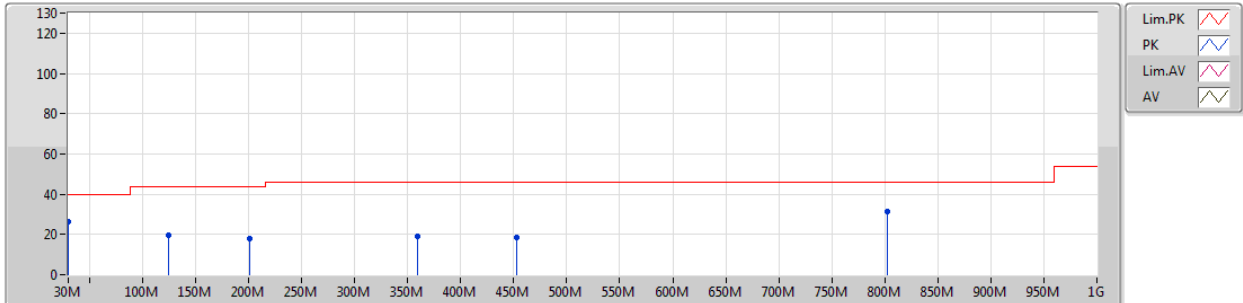


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	30M	24.47	40.00	-15.53	-13.40	3	Vertical	360	1.00	-
PK	125.06M	19.81	43.50	-23.69	-19.21	3	Vertical	360	1.00	-
PK	200.72M	18.96	43.50	-24.54	-21.04	3	Vertical	360	1.00	-
PK	359.8M	18.81	46.00	-27.19	-15.24	3	Vertical	360	1.00	-
PK	509.18M	20.11	46.00	-25.89	-12.12	3	Vertical	360	1.00	-
PK	788.54M	33.26	46.00	-12.74	-8.11	3	Vertical	360	1.00	-

BT-BR(1Mbps)

2441MHz_USB

11/10/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	30M	26.13	40.00	-13.87	-13.40	3	Horizontal	0	2.00	-
PK	125.06M	19.54	43.50	-23.96	-19.21	3	Horizontal	0	2.00	-
PK	200.72M	18.03	43.50	-25.47	-21.04	3	Horizontal	0	2.00	-
PK	359.8M	19.31	46.00	-26.69	-15.24	3	Horizontal	0	2.00	-
PK	452.92M	18.54	46.00	-27.46	-12.83	3	Horizontal	0	2.00	-
PK	802.12M	31.38	46.00	-14.62	-8.12	3	Horizontal	0	2.00	-

**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	2.4835G	48.25	54.00	-5.75	30.97	3	Vertical	14	1.57	-
BT-EDR(2Mbps)	Pass	AV	2.4835G	45.54	54.00	-8.46	31.11	3	Vertical	14	2.53	-
BT-EDR(3Mbps)	Pass	AV	2.4835G	45.48	54.00	-8.52	31.11	3	Vertical	17	2.53	-

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	2.3898G	42.13	54.00	-11.87	30.69	3	Vertical	360	1.14	-
2402MHz	Pass	AV	2.402G	102.31	Inf	-Inf	30.72	3	Vertical	360	1.14	-
2402MHz	Pass	PK	2.3854G	54.06	74.00	-19.94	30.67	3	Vertical	360	1.14	-
2402MHz	Pass	PK	2.4022G	103.50	Inf	-Inf	30.73	3	Vertical	360	1.14	-
2402MHz	Pass	AV	2.3858G	42.05	54.00	-11.95	30.68	3	Horizontal	66	1.01	-
2402MHz	Pass	AV	2.402G	94.20	Inf	-Inf	30.72	3	Horizontal	66	1.01	-
2402MHz	Pass	PK	2.3808G	53.74	74.00	-20.26	30.66	3	Horizontal	66	1.01	-
2402MHz	Pass	PK	2.4022G	95.28	Inf	-Inf	30.73	3	Horizontal	66	1.01	-
2402MHz	Pass	AV	4.80166G	32.70	54.00	-21.30	2.07	3	Vertical	359	1.64	-
2402MHz	Pass	PK	4.8091G	43.51	74.00	-30.49	2.09	3	Vertical	359	1.64	-
2402MHz	Pass	AV	4.8076G	32.61	54.00	-21.39	2.08	3	Horizontal	0	1.00	-
2402MHz	Pass	PK	4.80256G	43.64	74.00	-30.36	2.07	3	Horizontal	0	1.00	-
2441MHz	Pass	AV	2.387G	42.01	54.00	-11.99	30.68	3	Vertical	5	1.35	-
2441MHz	Pass	AV	2.441G	101.73	Inf	-Inf	30.84	3	Vertical	5	1.35	-
2441MHz	Pass	AV	2.4982G	42.67	54.00	-11.33	31.01	3	Vertical	5	1.35	-
2441MHz	Pass	PK	2.3658G	53.17	74.00	-20.83	30.62	3	Vertical	5	1.35	-
2441MHz	Pass	PK	2.441G	102.94	Inf	-Inf	30.84	3	Vertical	5	1.35	-
2441MHz	Pass	PK	2.4942G	53.78	74.00	-20.22	31.00	3	Vertical	5	1.35	-
2441MHz	Pass	AV	2.389G	42.09	54.00	-11.91	30.68	3	Horizontal	67	1.06	-
2441MHz	Pass	AV	2.441G	93.11	Inf	-Inf	30.84	3	Horizontal	67	1.06	-
2441MHz	Pass	AV	2.4954G	42.67	54.00	-11.33	31.00	3	Horizontal	67	1.06	-
2441MHz	Pass	PK	2.3858G	53.36	74.00	-20.64	30.68	3	Horizontal	67	1.06	-
2441MHz	Pass	PK	2.441G	94.44	Inf	-Inf	30.84	3	Horizontal	67	1.06	-
2441MHz	Pass	PK	2.4854G	54.44	74.00	-19.56	30.97	3	Horizontal	67	1.06	-
2441MHz	Pass	AV	4.88824G	33.01	54.00	-20.99	2.29	3	Vertical	20	1.51	-
2441MHz	Pass	PK	4.87012G	43.78	74.00	-30.22	2.24	3	Vertical	20	1.51	-
2441MHz	Pass	AV	4.8871G	32.46	54.00	-21.54	2.29	3	Vertical	359	1.50	-
2441MHz	Pass	PK	4.88056G	43.69	74.00	-30.31	2.27	3	Vertical	359	1.50	-
2480MHz	Pass	AV	2.48G	102.72	Inf	-Inf	30.95	3	Vertical	14	1.57	-
2480MHz	Pass	AV	2.4835G	48.25	54.00	-5.75	30.97	3	Vertical	14	1.57	-
2480MHz	Pass	PK	2.48G	103.97	Inf	-Inf	30.95	3	Vertical	14	1.57	-
2480MHz	Pass	PK	2.4835G	56.65	74.00	-17.35	30.97	3	Vertical	14	1.57	-
2480MHz	Pass	AV	2.48G	94.37	Inf	-Inf	30.95	3	Horizontal	67	1.00	-
2480MHz	Pass	AV	2.4835G	43.60	54.00	-10.40	30.97	3	Horizontal	67	1.00	-
2480MHz	Pass	PK	2.4798G	95.52	Inf	-Inf	30.95	3	Horizontal	67	1.00	-
2480MHz	Pass	PK	2.4986G	54.53	74.00	-19.47	31.01	3	Horizontal	67	1.00	-
2480MHz	Pass	AV	4.96846G	32.87	54.00	-21.13	2.49	3	Vertical	10	1.50	-
2480MHz	Pass	PK	4.95292G	43.99	74.00	-30.01	2.45	3	Vertical	10	1.50	-
2480MHz	Pass	AV	4.97422G	32.49	54.00	-21.51	2.50	3	Horizontal	359	2.01	-
2480MHz	Pass	PK	4.96354G	43.75	74.00	-30.25	2.47	3	Horizontal	359	2.01	-
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.39G	44.60	54.00	-9.40	30.77	3	Vertical	9	1.27	-
2402MHz	Pass	AV	2.402G	97.05	Inf	-Inf	30.82	3	Vertical	9	1.27	-
2402MHz	Pass	PK	2.3798G	56.20	74.00	-17.80	30.74	3	Vertical	9	1.27	-
2402MHz	Pass	PK	2.4022G	101.00	Inf	-Inf	30.82	3	Vertical	9	1.27	-
2402MHz	Pass	AV	2.3898G	44.61	54.00	-9.39	30.77	3	Horizontal	61	1.00	-
2402MHz	Pass	AV	2.402G	87.35	Inf	-Inf	30.82	3	Horizontal	61	1.00	-

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	2.3844G	55.90	74.00	-18.10	30.76	3	Horizontal	61	1.00	-
2402MHz	Pass	PK	2.4022G	91.33	Inf	-Inf	30.82	3	Horizontal	61	1.00	-
2441MHz	Pass	AV	2.389G	44.64	54.00	-9.36	30.77	3	Vertical	20	1.15	-
2441MHz	Pass	AV	2.441G	97.02	Inf	-Inf	30.95	3	Vertical	20	1.15	-
2441MHz	Pass	AV	2.4998G	45.44	54.00	-8.56	31.17	3	Vertical	20	1.15	-
2441MHz	Pass	PK	2.3722G	56.09	74.00	-17.91	30.71	3	Vertical	20	1.15	-
2441MHz	Pass	PK	2.441G	101.01	Inf	-Inf	30.95	3	Vertical	20	1.15	-
2441MHz	Pass	PK	2.4978G	56.53	74.00	-17.47	31.16	3	Vertical	20	1.15	-
2441MHz	Pass	AV	2.3894G	44.59	54.00	-9.41	30.77	3	Horizontal	58	1.00	-
2441MHz	Pass	AV	2.441G	85.89	Inf	-Inf	30.95	3	Horizontal	58	1.00	-
2441MHz	Pass	AV	2.4978G	45.39	54.00	-8.61	31.16	3	Horizontal	58	1.00	-
2441MHz	Pass	PK	2.373G	55.65	74.00	-18.35	30.71	3	Horizontal	58	1.00	-
2441MHz	Pass	PK	2.4406G	89.81	Inf	-Inf	30.95	3	Horizontal	58	1.00	-
2441MHz	Pass	PK	2.4998G	55.94	74.00	-18.06	31.17	3	Horizontal	58	1.00	-
2480MHz	Pass	AV	2.48G	102.21	Inf	-Inf	31.09	3	Vertical	14	2.53	-
2480MHz	Pass	AV	2.4835G	45.54	54.00	-8.46	31.11	3	Vertical	14	2.53	-
2480MHz	Pass	PK	2.48G	103.60	Inf	-Inf	31.09	3	Vertical	14	2.53	-
2480MHz	Pass	PK	2.4835G	57.49	74.00	-16.51	31.11	3	Vertical	14	2.53	-
2480MHz	Pass	AV	2.48G	87.40	Inf	-Inf	31.09	3	Horizontal	67	1.00	-
2480MHz	Pass	AV	2.495G	45.40	54.00	-8.60	31.16	3	Horizontal	67	1.00	-
2480MHz	Pass	PK	2.4802G	91.30	Inf	-Inf	31.09	3	Horizontal	67	1.00	-
2480MHz	Pass	PK	2.498G	57.12	74.00	-16.88	31.16	3	Horizontal	67	1.00	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3884G	44.61	54.00	-9.39	30.77	3	Vertical	7	1.42	-
2402MHz	Pass	AV	2.402G	96.68	Inf	-Inf	30.82	3	Vertical	7	1.42	-
2402MHz	Pass	PK	2.354G	56.47	74.00	-17.53	30.65	3	Vertical	7	1.42	-
2402MHz	Pass	PK	2.402G	100.73	Inf	-Inf	30.82	3	Vertical	7	1.42	-
2402MHz	Pass	AV	2.3768G	44.60	54.00	-9.40	30.73	3	Horizontal	69	1.00	-
2402MHz	Pass	AV	2.402G	86.93	Inf	-Inf	30.82	3	Horizontal	69	1.00	-
2402MHz	Pass	PK	2.3544G	56.41	74.00	-17.59	30.65	3	Horizontal	69	1.00	-
2402MHz	Pass	PK	2.402G	91.02	Inf	-Inf	30.82	3	Horizontal	69	1.00	-
2441MHz	Pass	AV	2.3878G	44.63	54.00	-9.37	30.77	3	Vertical	17	1.15	-
2441MHz	Pass	AV	2.441G	96.79	Inf	-Inf	30.95	3	Vertical	17	1.15	-
2441MHz	Pass	AV	2.4986G	45.40	54.00	-8.60	31.17	3	Vertical	17	1.15	-
2441MHz	Pass	PK	2.3846G	55.52	74.00	-18.48	30.76	3	Vertical	17	1.15	-
2441MHz	Pass	PK	2.441G	100.87	Inf	-Inf	30.95	3	Vertical	17	1.15	-
2441MHz	Pass	PK	2.499G	56.81	74.00	-17.19	31.17	3	Vertical	17	1.15	-
2441MHz	Pass	AV	2.389G	44.62	54.00	-9.38	30.77	3	Horizontal	71	1.08	-
2441MHz	Pass	AV	2.441G	85.83	Inf	-Inf	30.95	3	Horizontal	71	1.08	-
2441MHz	Pass	AV	2.497G	45.42	54.00	-8.58	31.16	3	Horizontal	71	1.08	-
2441MHz	Pass	PK	2.3602G	56.21	74.00	-17.79	30.67	3	Horizontal	71	1.08	-
2441MHz	Pass	PK	2.441G	89.92	Inf	-Inf	30.95	3	Horizontal	71	1.08	-
2441MHz	Pass	PK	2.499G	56.41	74.00	-17.59	31.17	3	Horizontal	71	1.08	-
2480MHz	Pass	AV	2.48G	97.69	Inf	-Inf	31.09	3	Vertical	17	2.53	-
2480MHz	Pass	AV	2.4835G	45.48	54.00	-8.52	31.11	3	Vertical	17	2.53	-
2480MHz	Pass	PK	2.48G	101.70	Inf	-Inf	31.09	3	Vertical	17	2.53	-
2480MHz	Pass	PK	2.4954G	56.68	74.00	-17.32	31.16	3	Vertical	17	2.53	-
2480MHz	Pass	AV	2.48G	87.29	Inf	-Inf	31.09	3	Horizontal	67	1.00	-
2480MHz	Pass	AV	2.5G	45.43	54.00	-8.57	31.17	3	Horizontal	67	1.00	-



RSE TX above 1GHz Result

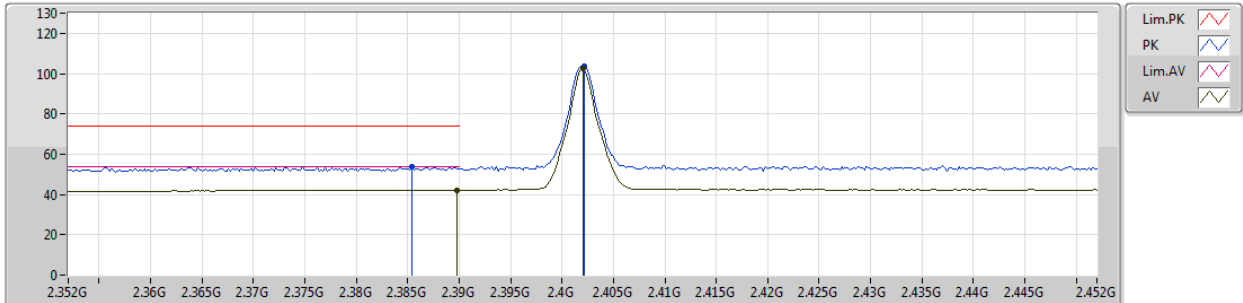
Appendix G.2

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	91.37	Inf	-Inf	31.09	3	Horizontal	67	1.00	-
2480MHz	Pass	PK	2.499G	56.23	74.00	-17.77	31.17	3	Horizontal	67	1.00	-

BT-BR(1Mbps)

2402MHz_TX

10/10/2018

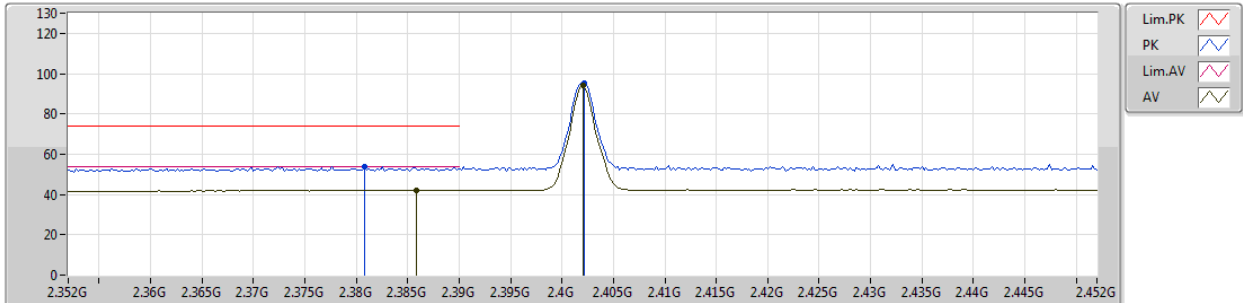


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.3898G	42.13	54.00	-11.87	30.69	3	Vertical	360	1.14	-								
AV	2.402G	102.31	Inf	-Inf	30.72	3	Vertical	360	1.14	-								
PK	2.3854G	54.06	74.00	-19.94	30.67	3	Vertical	360	1.14	-								
PK	2.4022G	103.50	Inf	-Inf	30.73	3	Vertical	360	1.14	-								

BT-BR(1Mbps)

2402MHz_TX

10/10/2018

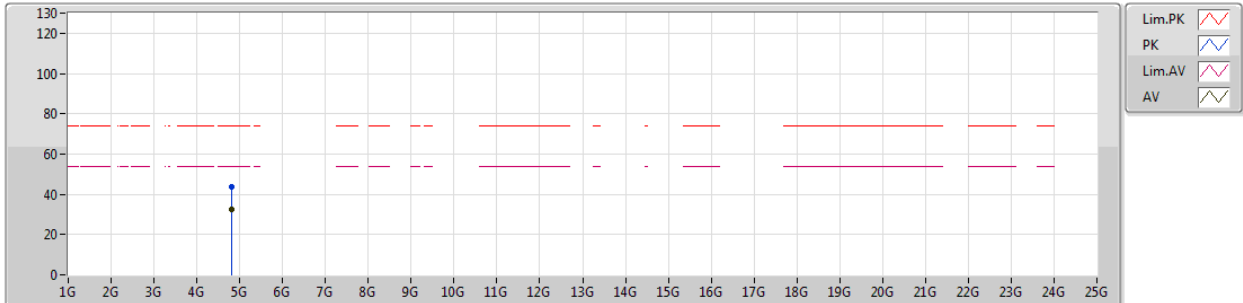


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3858G	42.05	54.00	-11.95	30.68	3	Horizontal	66	1.01	-
AV	2.402G	94.20	Inf	-Inf	30.72	3	Horizontal	66	1.01	-
PK	2.3808G	53.74	74.00	-20.26	30.66	3	Horizontal	66	1.01	-
PK	2.4022G	95.28	Inf	-Inf	30.73	3	Horizontal	66	1.01	-

BT-BR(1Mbps)

2402MHz_TX

11/10/2018

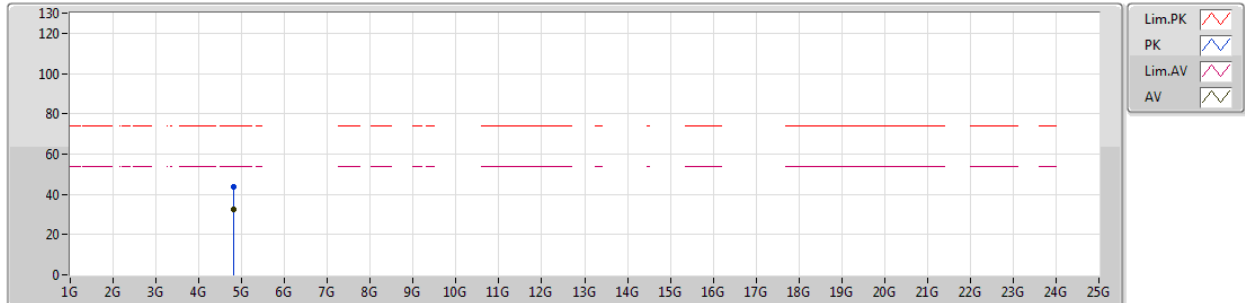


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)									
AV	4.80166G	32.70	54.00	-21.30	2.07	3	Vertical	359	1.64	-								
PK	4.8091G	43.51	74.00	-30.49	2.09	3	Vertical	359	1.64	-								

BT-BR(1Mbps)

2402MHz_TX

11/10/2018

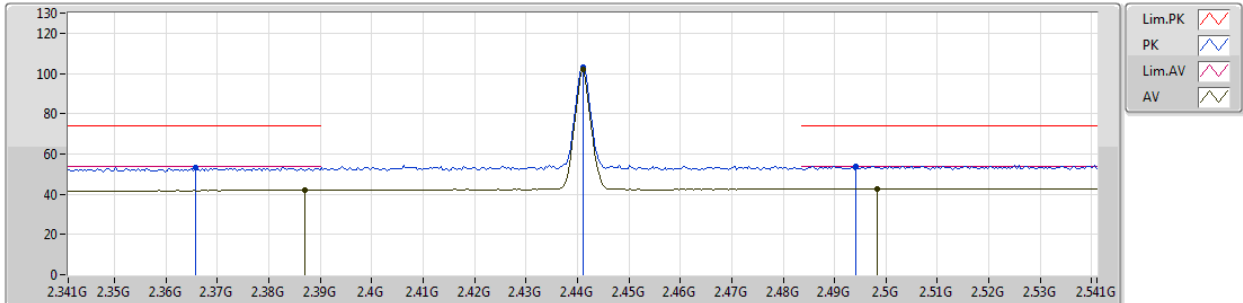


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.8076G	32.61	54.00	-21.39	2.08	3	Horizontal	0	1.00	-								
PK	4.80256G	43.64	74.00	-30.36	2.07	3	Horizontal	0	1.00	-								

BT-BR(1Mbps)

2441MHz_TX

10/10/2018

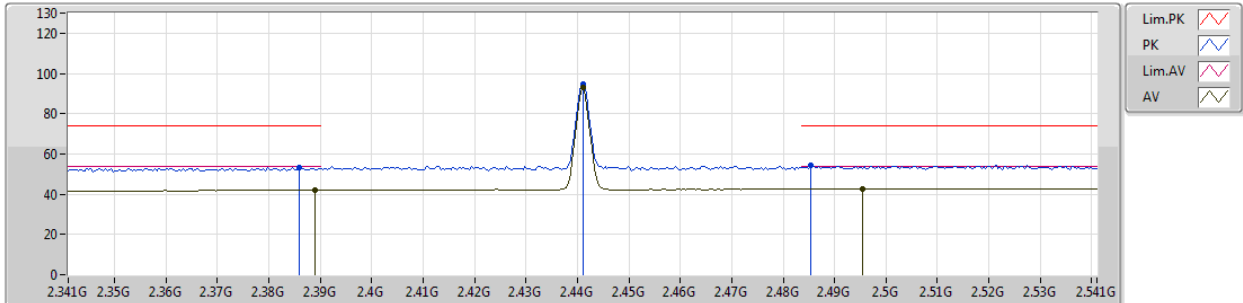


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.387G	42.01	54.00	-11.99	30.68	3	Vertical	5	1.35	-
AV	2.441G	101.73	Inf	-Inf	30.84	3	Vertical	5	1.35	-
AV	2.4982G	42.67	54.00	-11.33	31.01	3	Vertical	5	1.35	-
PK	2.3658G	53.17	74.00	-20.83	30.62	3	Vertical	5	1.35	-
PK	2.441G	102.94	Inf	-Inf	30.84	3	Vertical	5	1.35	-
PK	2.4942G	53.78	74.00	-20.22	31.00	3	Vertical	5	1.35	-

BT-BR(1Mbps)

2441MHz_TX

10/10/2018

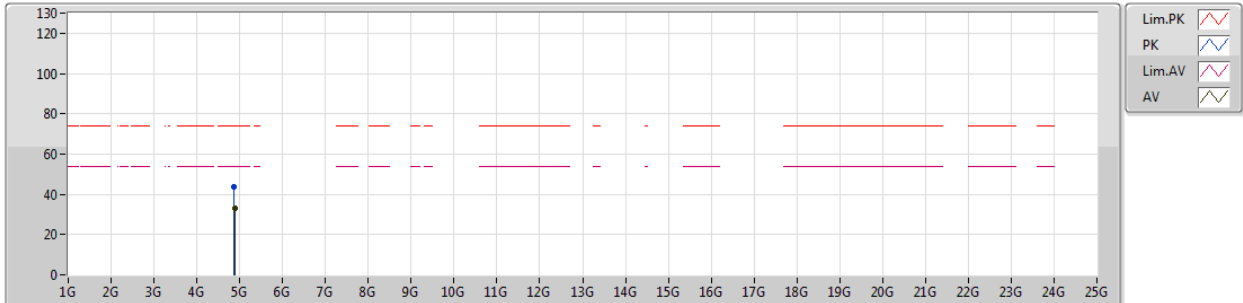


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389G	42.09	54.00	-11.91	30.68	3	Horizontal	67	1.06	-
AV	2.441G	93.11	Inf	-Inf	30.84	3	Horizontal	67	1.06	-
AV	2.4954G	42.67	54.00	-11.33	31.00	3	Horizontal	67	1.06	-
PK	2.3858G	53.36	74.00	-20.64	30.68	3	Horizontal	67	1.06	-
PK	2.441G	94.44	Inf	-Inf	30.84	3	Horizontal	67	1.06	-
PK	2.4854G	54.44	74.00	-19.56	30.97	3	Horizontal	67	1.06	-

BT-BR(1Mbps)

2441MHz_TX

11/10/2018

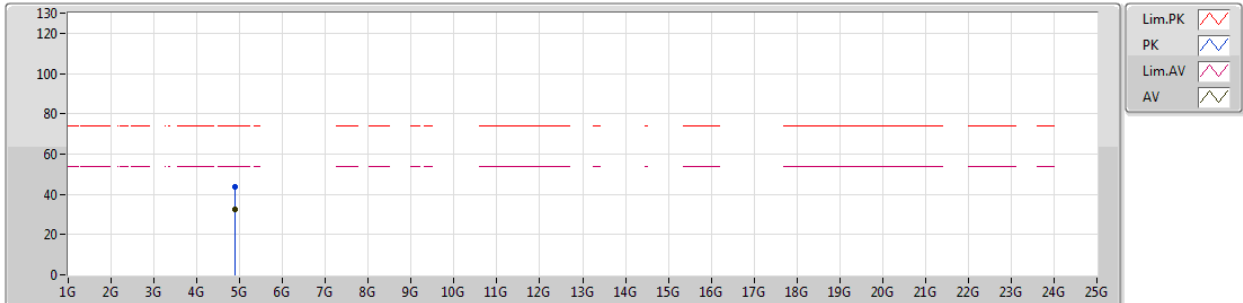


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.88824G	33.01	54.00	-20.99	2.29	3	Vertical	20	1.51	-								
PK	4.87012G	43.78	74.00	-30.22	2.24	3	Vertical	20	1.51	-								

BT-BR(1Mbps)

2441MHz_TX

11/10/2018

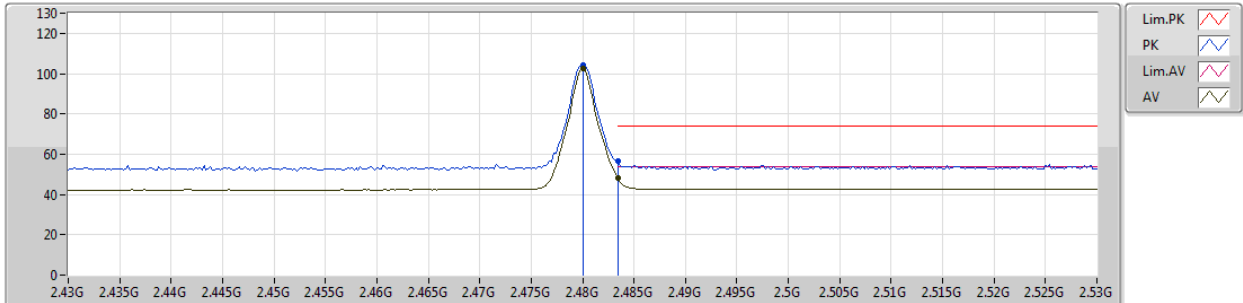


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.8871G	32.46	54.00	-21.54	2.29	3	Vertical	359	1.50	-								
PK	4.88056G	43.69	74.00	-30.31	2.27	3	Vertical	359	1.50	-								

BT-BR(1Mbps)

2480MHz_TX

10/10/2018

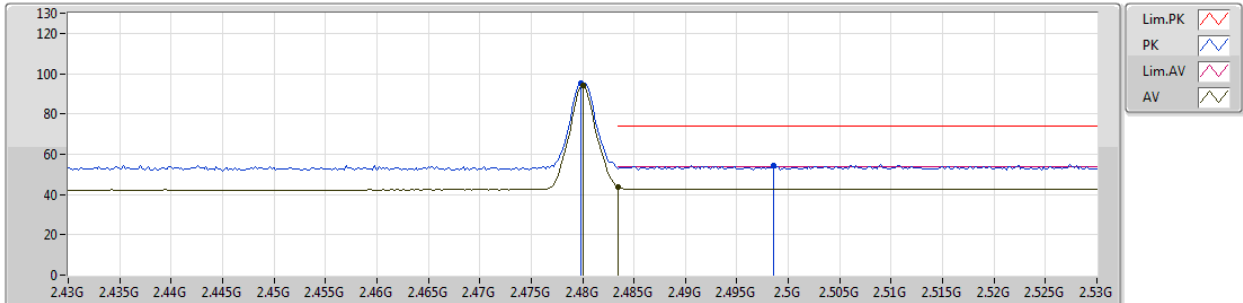


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	102.72	Inf	-Inf	30.95	3	Vertical	14	1.57	-
AV	2.4835G	48.25	54.00	-5.75	30.97	3	Vertical	14	1.57	-
PK	2.48G	103.97	Inf	-Inf	30.95	3	Vertical	14	1.57	-
PK	2.4835G	56.65	74.00	-17.35	30.97	3	Vertical	14	1.57	-

BT-BR(1Mbps)

2480MHz_TX

10/10/2018

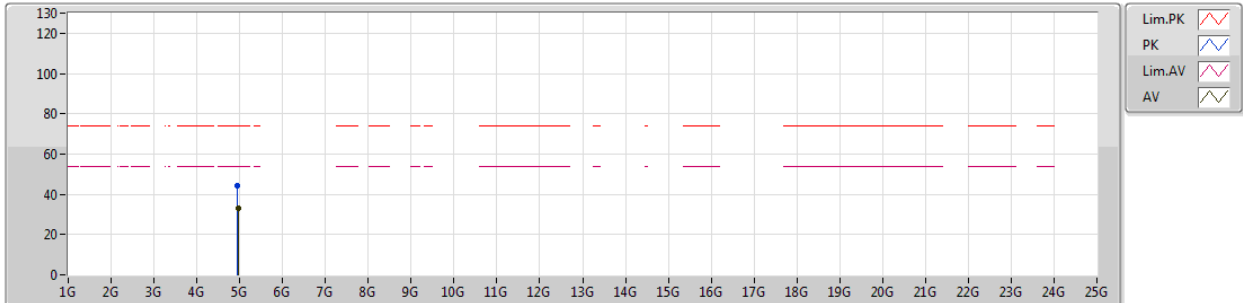


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	94.37	Inf	-Inf	30.95	3	Horizontal	67	1.00	-
AV	2.4835G	43.60	54.00	-10.40	30.97	3	Horizontal	67	1.00	-
PK	2.4798G	95.52	Inf	-Inf	30.95	3	Horizontal	67	1.00	-
PK	2.4986G	54.53	74.00	-19.47	31.01	3	Horizontal	67	1.00	-

BT-BR(1Mbps)

2480MHz_TX

11/10/2018

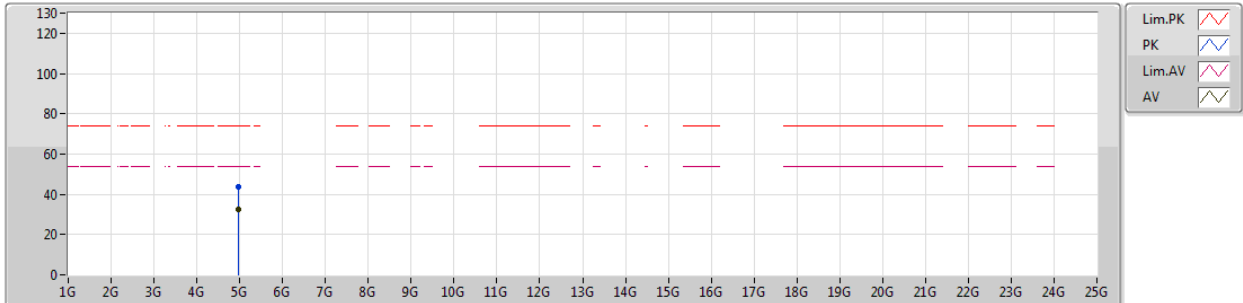


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	4.96846G	32.87	54.00	-21.13	2.49	3	Vertical	10	1.50	-								
PK	4.95292G	43.99	74.00	-30.01	2.45	3	Vertical	10	1.50	-								

BT-BR(1Mbps)

2480MHz_TX

11/10/2018

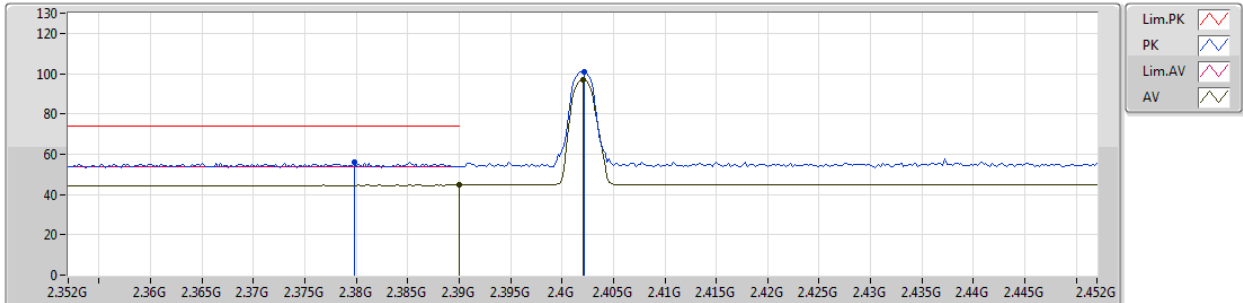


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)									
AV	4.97422G	32.49	54.00	-21.51	2.50	3	Horizontal	359	2.01	-								
PK	4.96354G	43.75	74.00	-30.25	2.47	3	Horizontal	359	2.01	-								

BT-EDR(2Mbps)

2402MHz_TX

11/10/2018

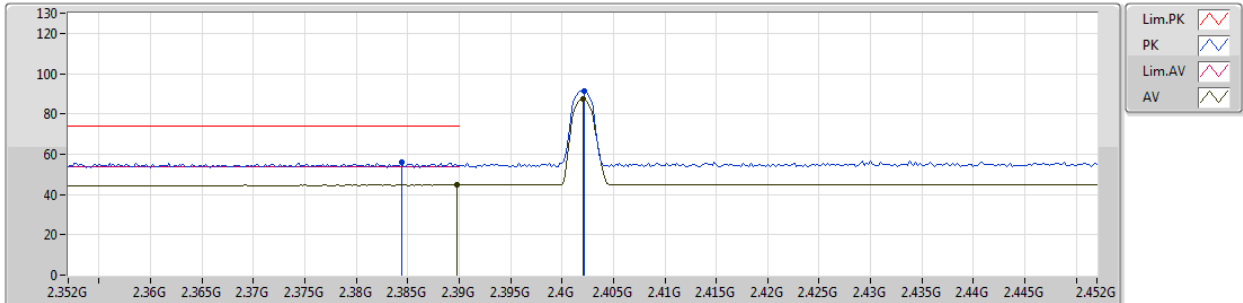


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.39G	44.60	54.00	-9.40	30.77	3	Vertical	9	1.27	-
AV	2.402G	97.05	Inf	-Inf	30.82	3	Vertical	9	1.27	-
PK	2.3798G	56.20	74.00	-17.80	30.74	3	Vertical	9	1.27	-
PK	2.4022G	101.00	Inf	-Inf	30.82	3	Vertical	9	1.27	-

BT-EDR(2Mbps)

2402MHz_TX

11/10/2018

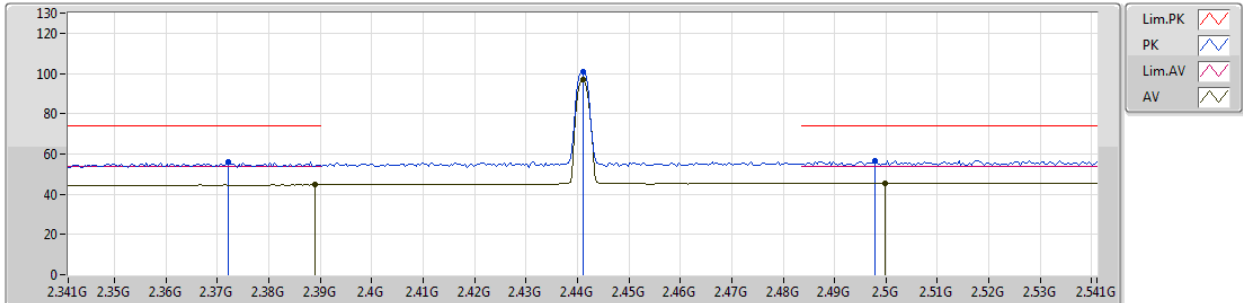


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3898G	44.61	54.00	-9.39	30.77	3	Horizontal	61	1.00	-
AV	2.402G	87.35	Inf	-Inf	30.82	3	Horizontal	61	1.00	-
PK	2.3844G	55.90	74.00	-18.10	30.76	3	Horizontal	61	1.00	-
PK	2.4022G	91.33	Inf	-Inf	30.82	3	Horizontal	61	1.00	-

BT-EDR(2Mbps)

2441MHz_TX

11/10/2018

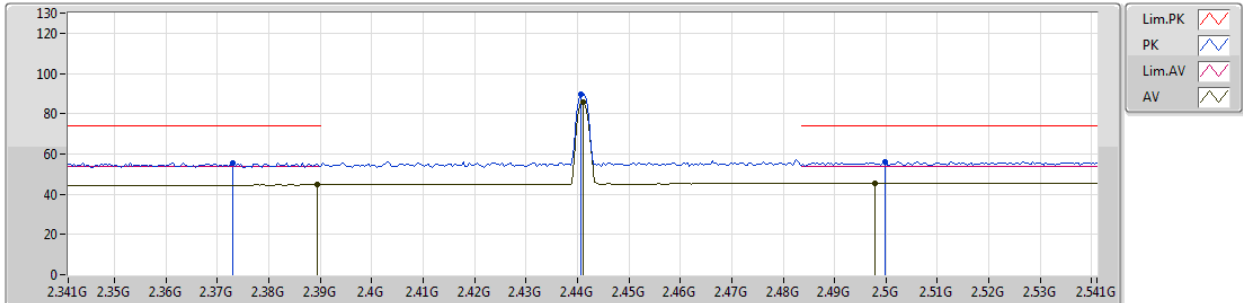


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments							
AV	2.389G	44.64	54.00	-9.36	30.77	3	Vertical	20	1.15	-							
AV	2.441G	97.02	Inf	-Inf	30.95	3	Vertical	20	1.15	-							
AV	2.4998G	45.44	54.00	-8.56	31.17	3	Vertical	20	1.15	-							
PK	2.3722G	56.09	74.00	-17.91	30.71	3	Vertical	20	1.15	-							
PK	2.441G	101.01	Inf	-Inf	30.95	3	Vertical	20	1.15	-							
PK	2.4978G	56.53	74.00	-17.47	31.16	3	Vertical	20	1.15	-							

BT-EDR(2Mbps)

2441MHz_TX

11/10/2018

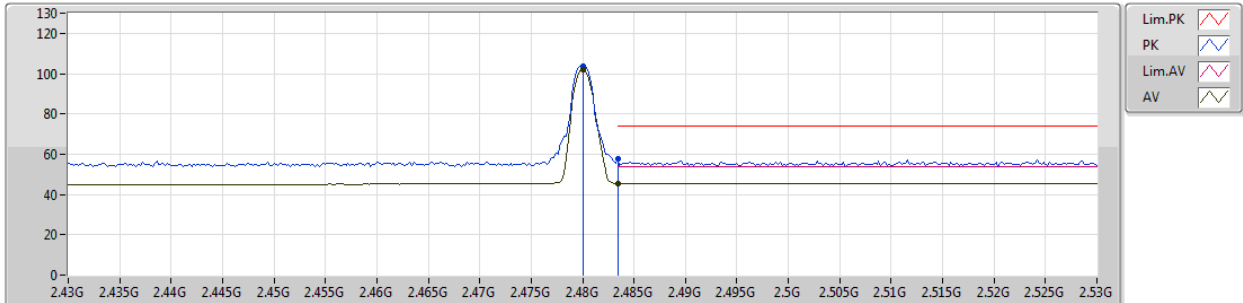


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3894G	44.59	54.00	-9.41	30.77	3	Horizontal	58	1.00	-
AV	2.441G	85.89	Inf	-Inf	30.95	3	Horizontal	58	1.00	-
AV	2.4978G	45.39	54.00	-8.61	31.16	3	Horizontal	58	1.00	-
PK	2.373G	55.65	74.00	-18.35	30.71	3	Horizontal	58	1.00	-
PK	2.4406G	89.81	Inf	-Inf	30.95	3	Horizontal	58	1.00	-
PK	2.4998G	55.94	74.00	-18.06	31.17	3	Horizontal	58	1.00	-

BT-EDR(2Mbps)

2480MHz_TX

11/10/2018

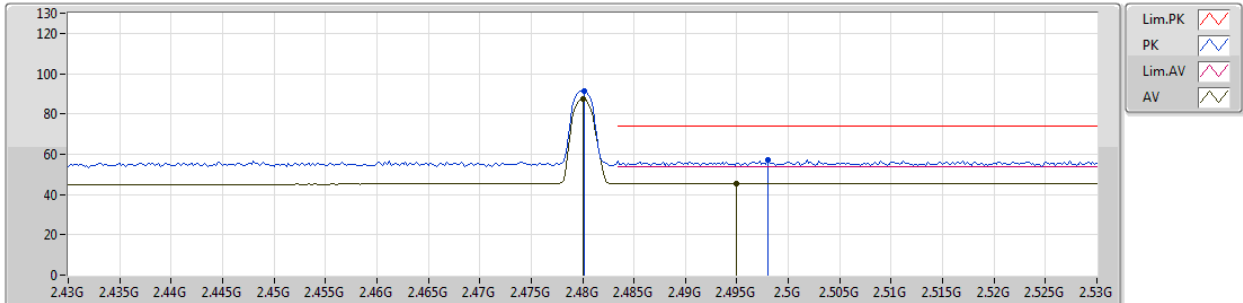


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments								
AV	2.48G	102.21	Inf	-Inf	31.09	3	Vertical	14	2.53	-								
AV	2.4835G	45.54	54.00	-8.46	31.11	3	Vertical	14	2.53	-								
PK	2.48G	103.60	Inf	-Inf	31.09	3	Vertical	14	2.53	-								
PK	2.4835G	57.49	74.00	-16.51	31.11	3	Vertical	14	2.53	-								

BT-EDR(2Mbps)

2480MHz_TX

11/10/2018

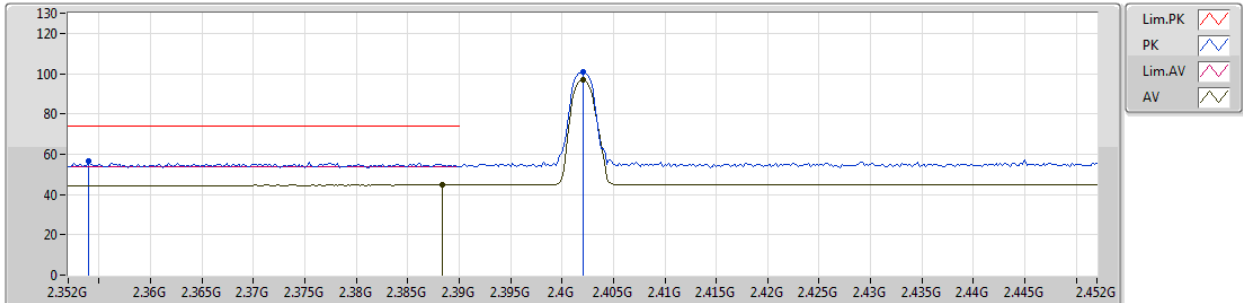


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	87.40	Inf	-Inf	31.09	3	Horizontal	67	1.00	-
AV	2.495G	45.40	54.00	-8.60	31.16	3	Horizontal	67	1.00	-
PK	2.4802G	91.30	Inf	-Inf	31.09	3	Horizontal	67	1.00	-
PK	2.498G	57.12	74.00	-16.88	31.16	3	Horizontal	67	1.00	-

BT-EDR(3Mbps)

2402MHz_TX

11/10/2018

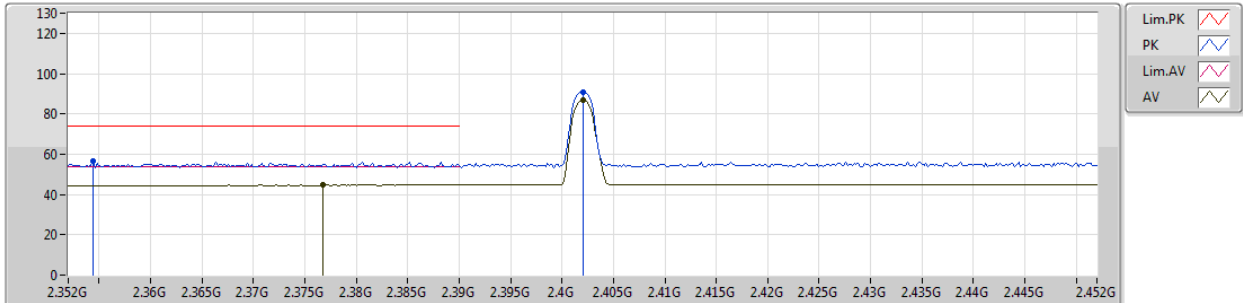


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3884G	44.61	54.00	-9.39	30.77	3	Vertical	7	1.42	-
AV	2.402G	96.68	Inf	-Inf	30.82	3	Vertical	7	1.42	-
PK	2.354G	56.47	74.00	-17.53	30.65	3	Vertical	7	1.42	-
PK	2.402G	100.73	Inf	-Inf	30.82	3	Vertical	7	1.42	-

BT-EDR(3Mbps)

2402MHz_TX

11/10/2018

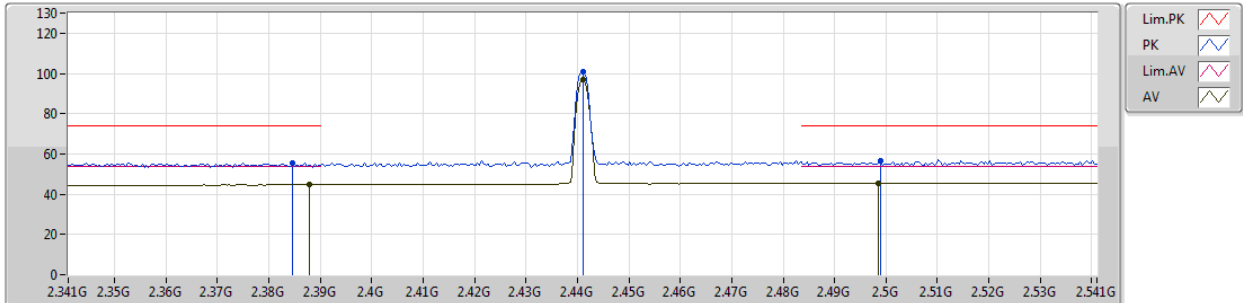


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3768G	44.60	54.00	-9.40	30.73	3	Horizontal	69	1.00	-
AV	2.402G	86.93	Inf	-Inf	30.82	3	Horizontal	69	1.00	-
PK	2.3544G	56.41	74.00	-17.59	30.65	3	Horizontal	69	1.00	-
PK	2.402G	91.02	Inf	-Inf	30.82	3	Horizontal	69	1.00	-

BT-EDR(3Mbps)

11/10/2018

2441MHz_TX

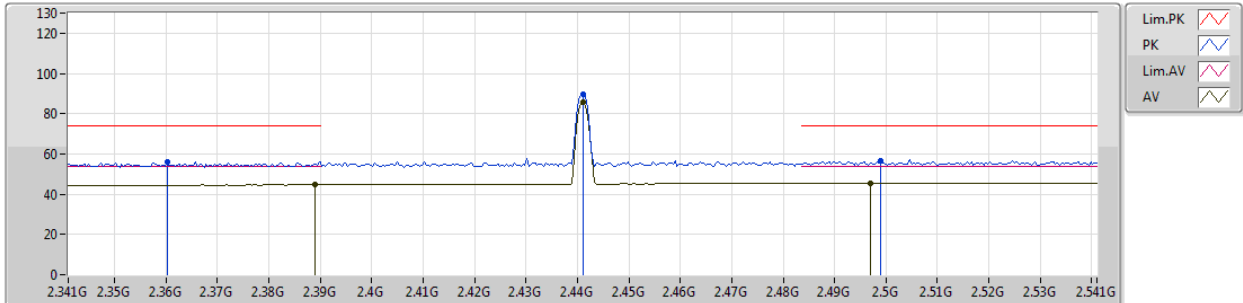


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.3878G	44.63	54.00	-9.37	30.77	3	Vertical	17	1.15	-
AV	2.441G	96.79	Inf	-Inf	30.95	3	Vertical	17	1.15	-
AV	2.4986G	45.40	54.00	-8.60	31.17	3	Vertical	17	1.15	-
PK	2.3846G	55.52	74.00	-18.48	30.76	3	Vertical	17	1.15	-
PK	2.441G	100.87	Inf	-Inf	30.95	3	Vertical	17	1.15	-
PK	2.499G	56.81	74.00	-17.19	31.17	3	Vertical	17	1.15	-

BT-EDR(3Mbps)

2441MHz_TX

11/10/2018

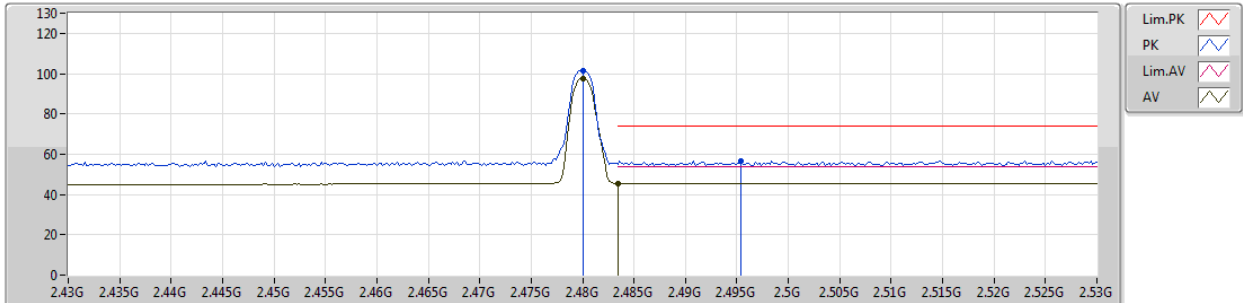


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.389G	44.62	54.00	-9.38	30.77	3	Horizontal	71	1.08	-
AV	2.441G	85.83	Inf	-Inf	30.95	3	Horizontal	71	1.08	-
AV	2.497G	45.42	54.00	-8.58	31.16	3	Horizontal	71	1.08	-
PK	2.3602G	56.21	74.00	-17.79	30.67	3	Horizontal	71	1.08	-
PK	2.441G	89.92	Inf	-Inf	30.95	3	Horizontal	71	1.08	-
PK	2.499G	56.41	74.00	-17.59	31.17	3	Horizontal	71	1.08	-

BT-EDR(3Mbps)

2480MHz_TX

11/10/2018

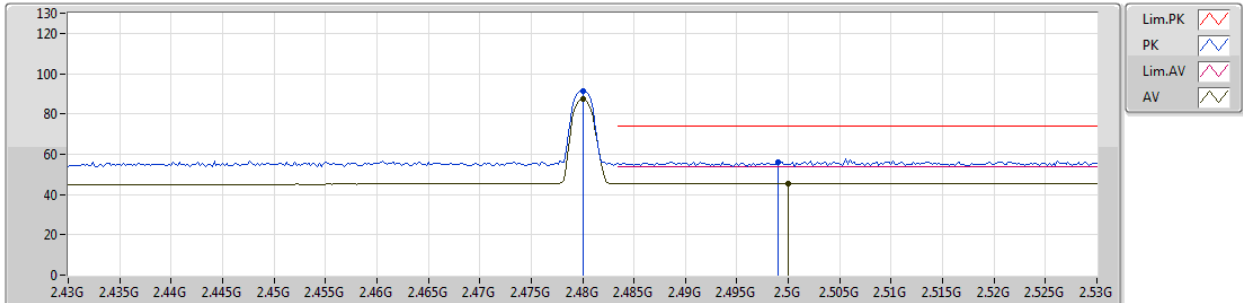


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	97.69	Inf	-Inf	31.09	3	Vertical	17	2.53	-
AV	2.4835G	45.48	54.00	-8.52	31.11	3	Vertical	17	2.53	-
PK	2.48G	101.70	Inf	-Inf	31.09	3	Vertical	17	2.53	-
PK	2.4954G	56.68	74.00	-17.32	31.16	3	Vertical	17	2.53	-

BT-EDR(3Mbps)

2480MHz_TX

11/10/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	2.48G	87.29	Inf	-Inf	31.09	3	Horizontal	67	1.00	-
AV	2.5G	45.43	54.00	-8.57	31.17	3	Horizontal	67	1.00	-
PK	2.48G	91.37	Inf	-Inf	31.09	3	Horizontal	67	1.00	-
PK	2.499G	56.23	74.00	-17.77	31.17	3	Horizontal	67	1.00	-

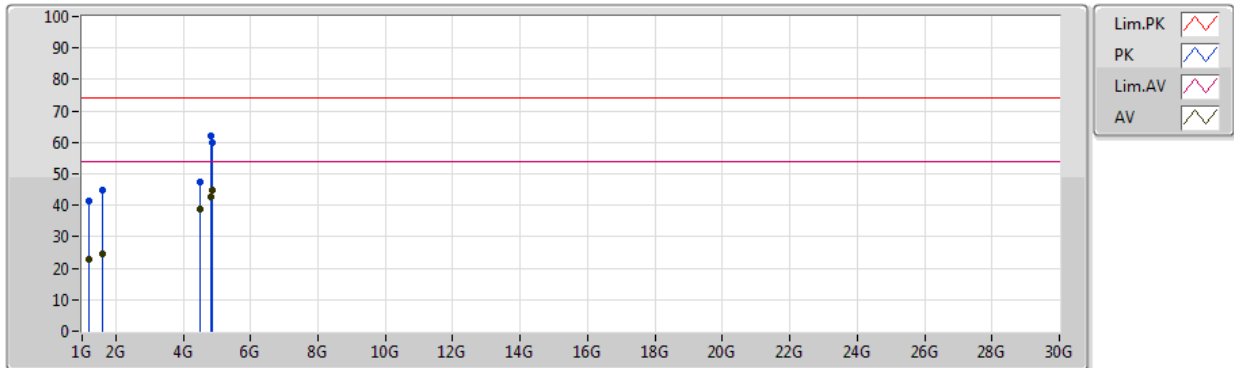


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	4.8745G	44.65	54.00	-9.35	6.65	3	Vertical	174	1.50	-

Radiation-above 1GHz_Mode 1

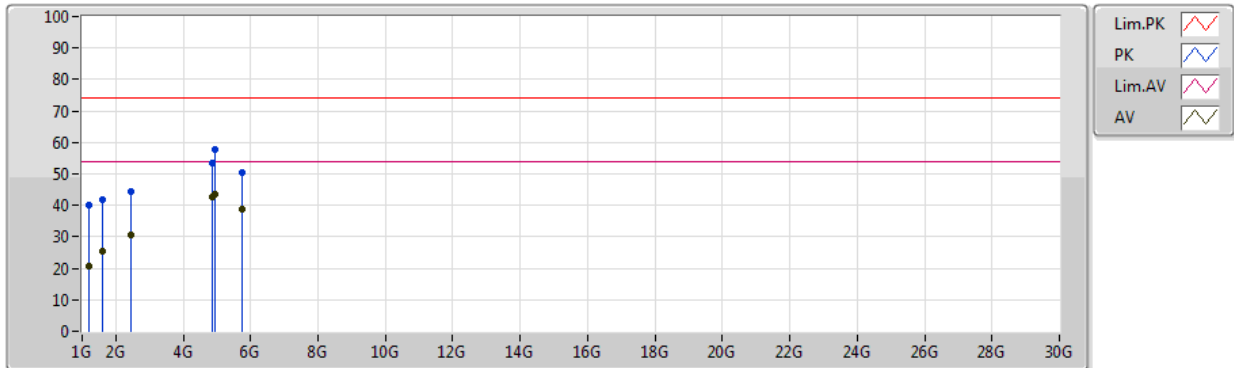
13/11/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height										
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)										
AV	1.19913G	22.76	54.00	-31.24	-5.24	3	Vertical	146	1.50										
AV	1.59513G	24.37	54.00	-29.63	-2.63	3	Vertical	83	1.50										
AV	4.49088G	38.88	54.00	-15.12	5.88	3	Vertical	253	1.50										
AV	4.8295G	42.55	54.00	-11.45	6.55	3	Vertical	93	1.50										
AV	4.8745G	44.65	54.00	-9.35	6.65	3	Vertical	174	1.50										
PK	1.19913G	41.20	74.00	-32.80	-5.24	3	Vertical	146	1.50										
PK	1.59513G	44.69	74.00	-29.31	-2.63	3	Vertical	83	1.50										
PK	4.49088G	47.23	74.00	-26.77	5.88	3	Vertical	253	1.50										
PK	4.8295G	62.18	74.00	-11.82	6.55	3	Vertical	93	1.50										
PK	4.8745G	59.98	74.00	-14.02	6.65	3	Vertical	174	1.50										

Radiation-above 1GHz_Mode 1

13/11/2018



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
AV	1.19913G	20.76	54.00	-33.24	-5.24	3	Horizontal	357	1.50
AV	1.59513G	25.37	54.00	-28.63	-2.63	3	Horizontal	274	1.50
AV	2.44113G	30.42	54.00	-23.58	0.42	3	Horizontal	126	1.50
AV	4.84975G	42.59	54.00	-11.41	6.59	3	Horizontal	153	1.50
AV	4.94988G	43.43	54.00	-10.57	6.83	3	Horizontal	244	1.50
AV	5.75088G	38.64	54.00	-15.36	8.04	3	Horizontal	88	1.50
PK	1.19913G	40.10	74.00	-33.90	-5.24	3	Horizontal	357	1.50
PK	1.59513G	42.01	74.00	-31.99	-2.63	3	Horizontal	274	1.50
PK	2.44113G	44.25	74.00	-29.75	0.42	3	Horizontal	126	1.50
PK	4.84975G	53.51	74.00	-20.49	6.59	3	Horizontal	153	1.50
PK	4.94988G	57.64	74.00	-16.36	6.83	3	Horizontal	244	1.50
PK	5.75088G	50.55	74.00	-23.45	8.04	3	Horizontal	88	1.50