



FCC Test Report

Equipment : Secured Wireless Access Point
Brand Name : Fortinet Inc.
Model No. : FORTIAP-U24JEVxxxxxx, FAP-U24JEVxxxxxx
FCC ID : TVE-121C01
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
Function : ☒ Point-to-multipoint; ☐ Point-to-point
Applicant : Fortinet Inc.
899 Kifer Road, Sunnyvale, CA 94086, USA
Manufacturer : Universal Global Scientific Industrial Co., Ltd.
141, Lane 351, Sec. 1, Taiping Road, Tsao-tuen,
Nantou 54261, Taiwan

The product sample received on Apr. 07, 2017 and completely tested on Oct. 31, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

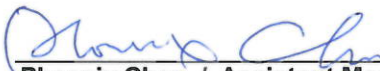

Phoenix Chen / Assistant Manager





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Summary of Test Result

Conformance Test Specifications				
Report Clause	Ref. Std. Clause	Description	Limit	Result
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	20dB Bandwidth	15.247(a)	Complied
3.2	15.247(a)	Carrier Frequency Separation	15.247(a)	Complied
3.3	15.247(b)	Maximum Conducted Output Power	15.247(b)	Complied
3.4	15.247(a)	Number of Hopping Frequencies and Hopping Bandedge	15.247(a)	Complied
3.5	15.247(a)	Time of Occupancy (Dwell Time)	15.247(a)	Complied
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	15.247(d)	Complied
3.7	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied



SPORTON INTERNATIONAL INC.
TEL : 886-3-3273456
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FCC ID: TVE-121C01

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	Aristotle	RFA-25-AP375-70B-72	PIFA Antenna	I-PEX
2	2	Aristotle	RFA-25-AP513B-70B-56	PIFA Antenna	I-PEX
3	1	Aristotle	RFA-BT-AP375-70-105	PIFA Antenna	I-PEX

Ant.	Gain (dBi)		
	2.4G	5G	BT
1	4	4	-
2	1.41	3.77	-
3	-	-	3.2

Note 1: The EUT has three antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For BT function:

For BT-LE/BR/EDR (1TX/1RX)

Only Ant. 3 (port 1) can be used as transmitting/receiving antenna.

1.1.3 EUT Information

Identify EUT	
RF chip	BCM47452
Operational Condition	
EUT Power Type	From AC Adapter
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)	0.787	1.04	2.898m	1k
BT-EDR(2Mbps)	0.788	1.035	2.902m	1k
BT-EDR(3Mbps)	0.784	1.057	2.904m	1k

1.1.5 Table for Multiple Listing

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

Model Name	Description
FORTIAP-U24JEVxxxxxx	Where "x" can be used as "A-Z", or "-0-9", or "-", or blank for software changes or marking purposes only.
FAP-U24JEVxxxxxx	

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
RF Conducted	TH06-HY	Gary	21.5°C / 64%	31/Oct/2017
Radiated	03CH09-HY	Jeff	21.5°C / 59%	31/Oct/2017
AC Conduction	CO04-HY	Eric	20.9°C / 58%	11/Oct/2017

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 (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software	DoS
---------------	-----

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	10
2441MHz	10
2480MHz	10
BT-EDR(2Mbps)	-
2402MHz	10
2441MHz	10
2480MHz	10
BT-EDR(3Mbps)	-
2402MHz	10
2441MHz	10
2480MHz	10

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

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	Y Plane	Z Plane
		
Worst Planes of EUT		V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	Normal Link
1	Bluetooth+WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA732918 for Co-location RF Exposure Evaluation.	

2.4 Support Equipment

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

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	AC adapter	UMEC	UP0451H-54PP	-

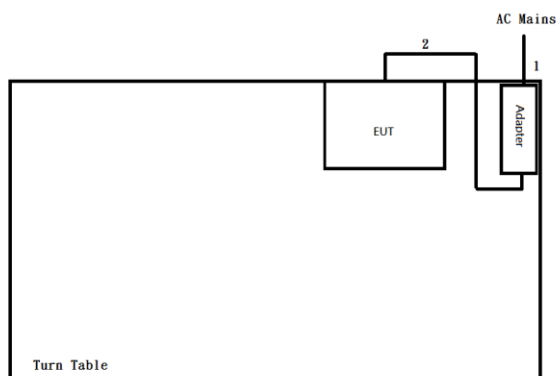
Note: Support equipment No.1 was provided by customer.

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	AC adapter	UMEC	UP0451H-54PP	-

Note: Support equipment No.1 was provided by customer.

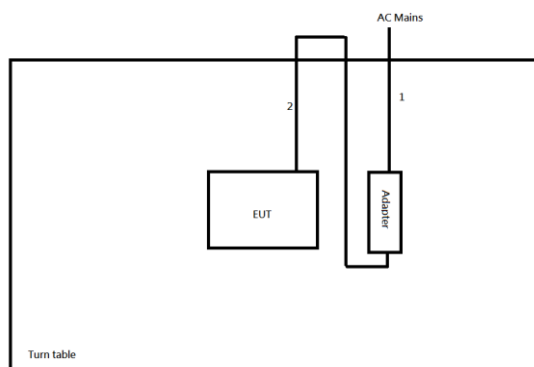
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC power line	No	1.7	-
2	DC power line	No	1.2	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC power line	No	1.7	-
2	DC power line	No	1.2	-

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.

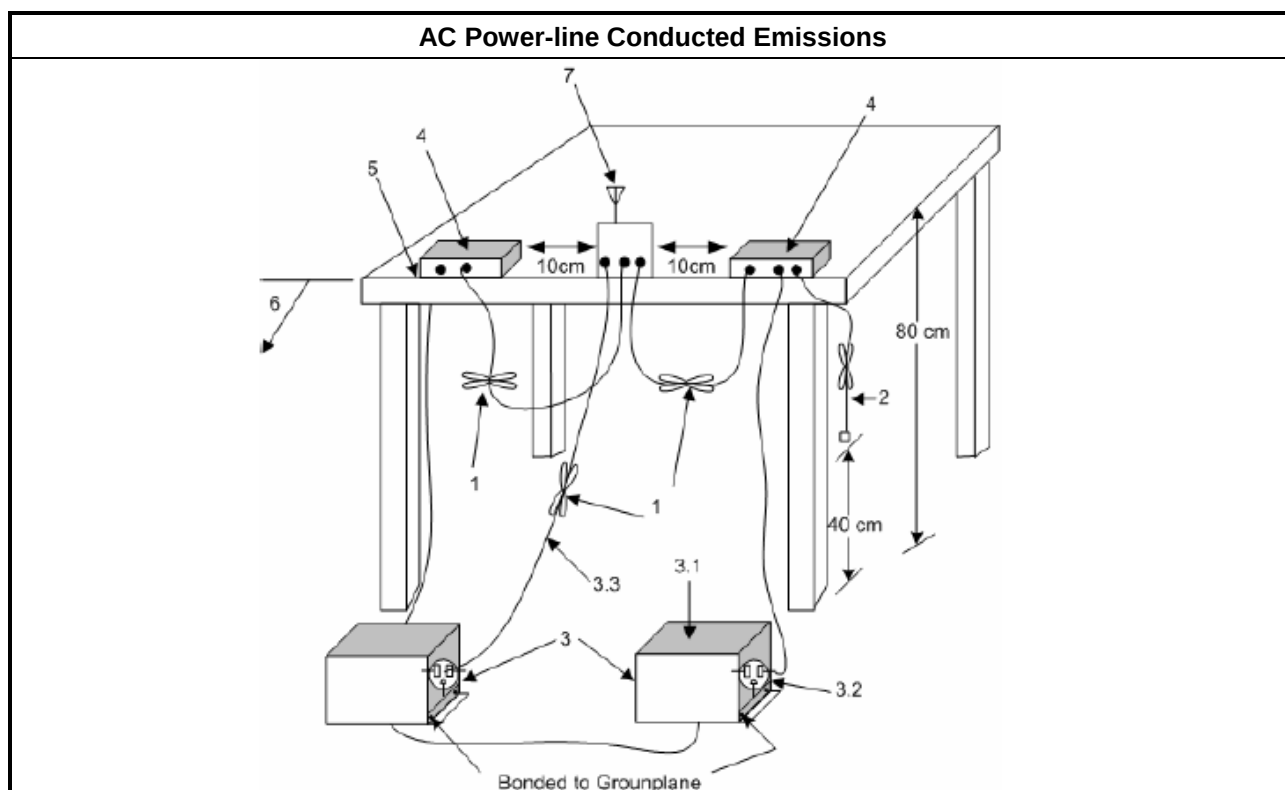
3.1.2 Measuring Instruments

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	
902-928 MHz Band:	
	$N \geq 50$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	$50 > N \geq 25$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
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).
5725-5850 MHz Band:	
	$N \geq 75$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 1 MHz.
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

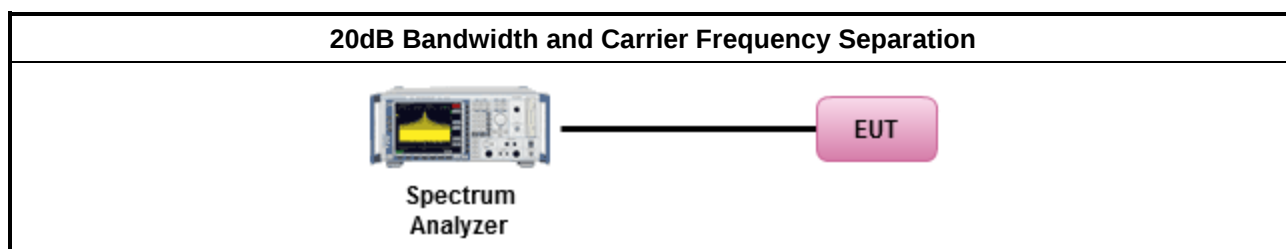
3.2.2 Measuring Instruments

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	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$; Power 30dBm; EIRP 36dBm
	▪ $50 > N \geq 25$; Power 24dBm; EIRP 30dBm
▪ 2400-2483.5 MHz Band:	
	▪ $N \geq 75$; Power 30dBm; EIRP 36dBm
	▪ $75 > N \geq 15$; Power 21dBm; EIRP 27dBm
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$; Power 30dBm; EIRP 36dBm
N: Number of Hopping Frequencies	

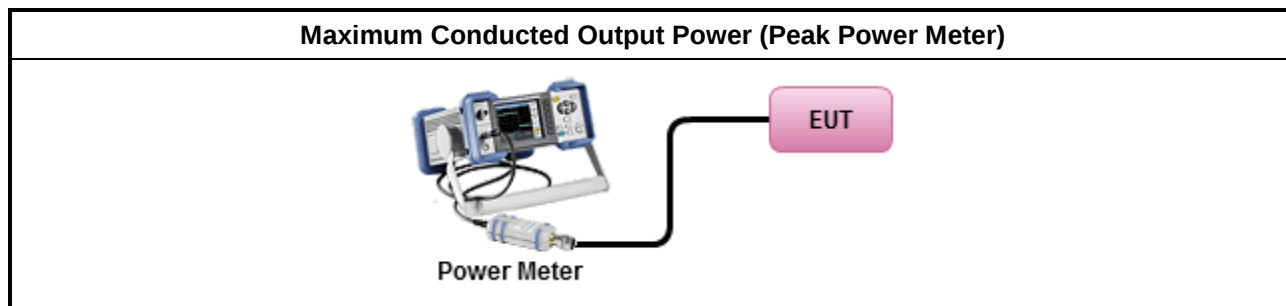
3.3.2 Measuring Instruments

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	
▪ 902-928 MHz Band:	
	▪ $N \geq 50$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 250 kHz.
	▪ $50 > N \geq 25$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $>$ 250 kHz.
▪ 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).
▪ 5725-5850 MHz Band:	
	▪ $N \geq 75$ and $ChS \geq \text{MAX}$ (20 dB bandwidth, 25 kHz); 20 dB bandwidth $\leq$ 1 MHz.
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

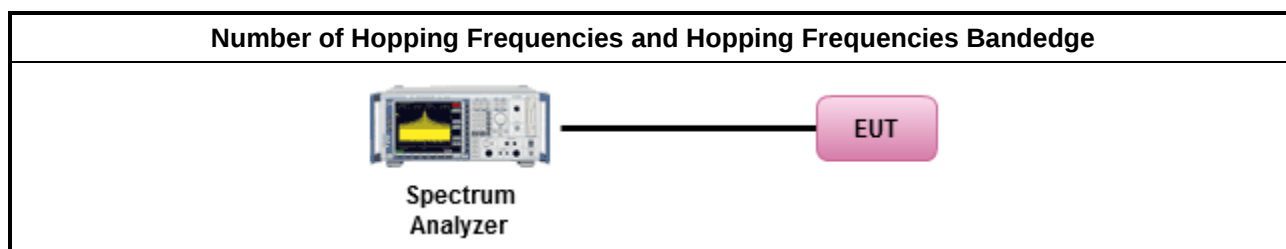
3.4.3 Measuring Instruments

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	
902-928 MHz Band:	
	$N \geq 50$; 0.4s in 20s period
	$50 > N \geq 25$; 0.4s in 10s period
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
5725-5850 MHz Band:	
	$N \geq 75$; 0.4s in 30s period
N: Number of Hopping Frequencies	

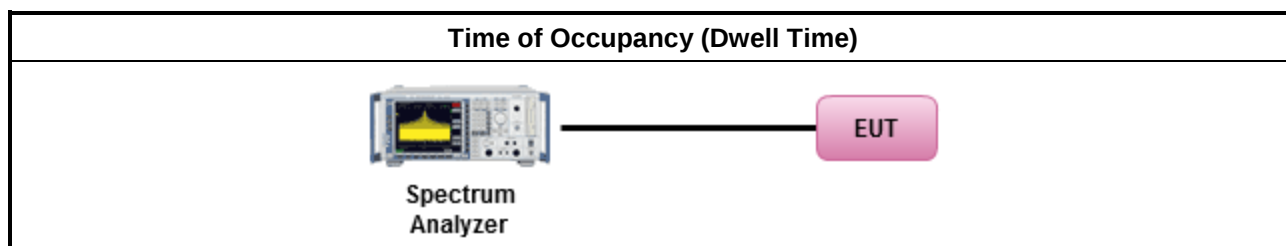
3.5.2 Measuring Instruments

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.	

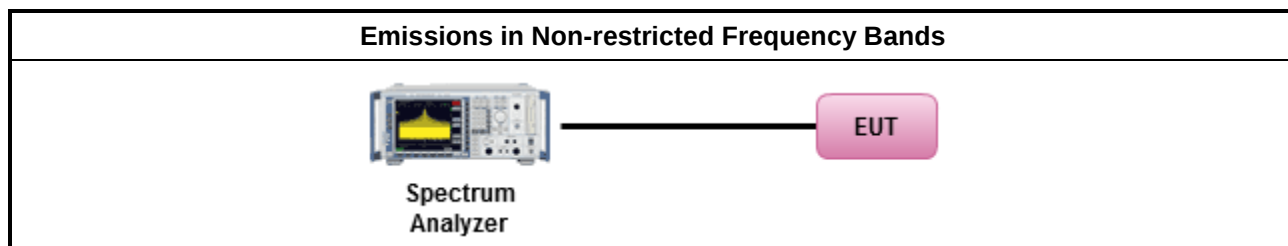
3.6.2 Measuring Instruments

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.

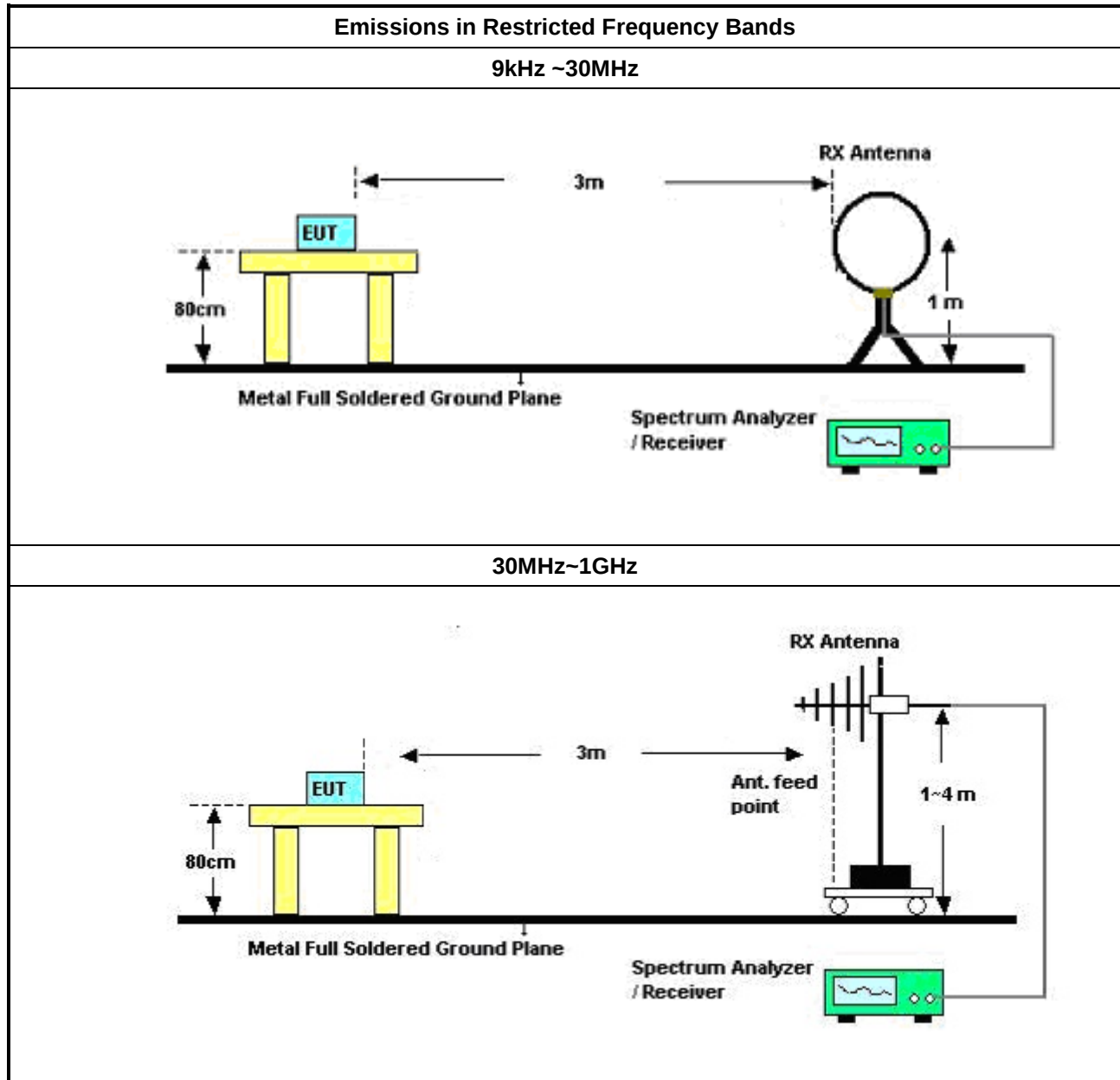
3.7.2 Measuring Instruments

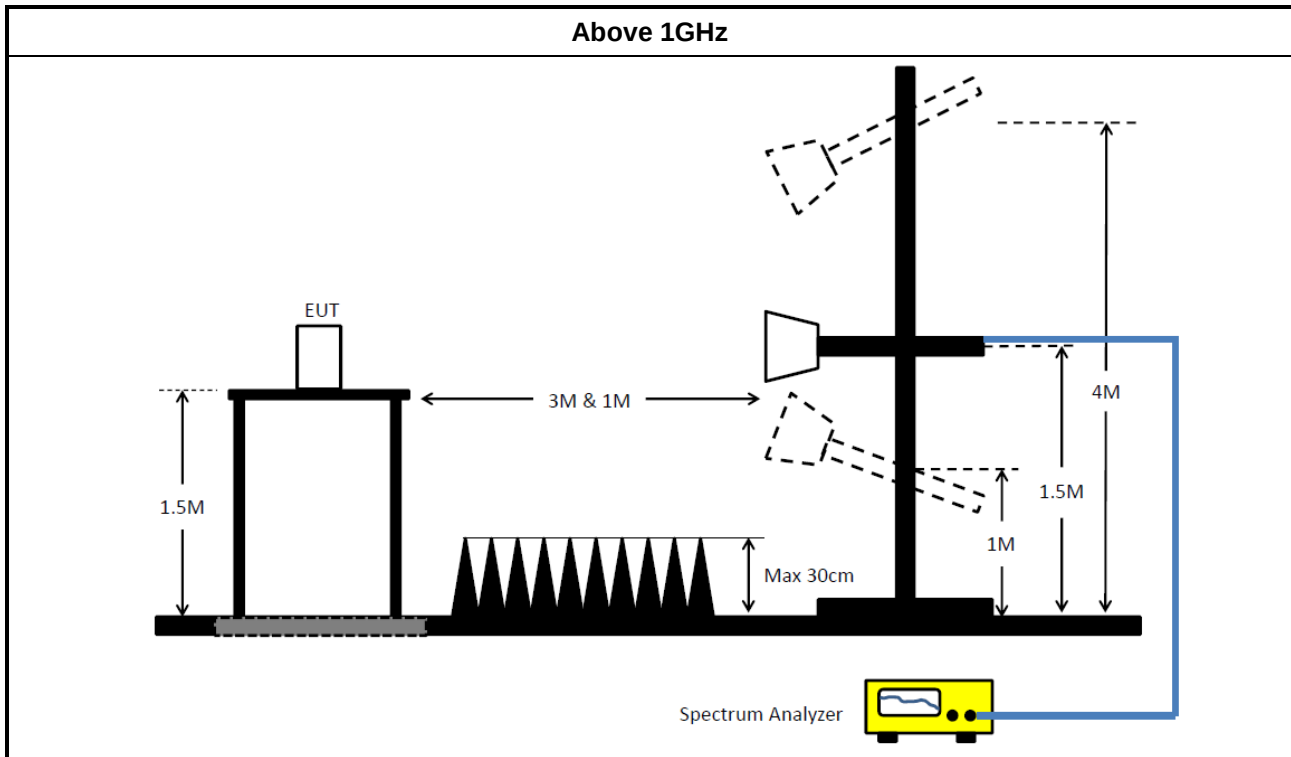
Refer a test equipment and calibration data table in this test report.

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	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2017	14/Nov/2018
RF Cable-CON	HUBER+ SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2016	20/Oct/2017

NCR : Non-Calibration Require

Instrument for Radiated Test

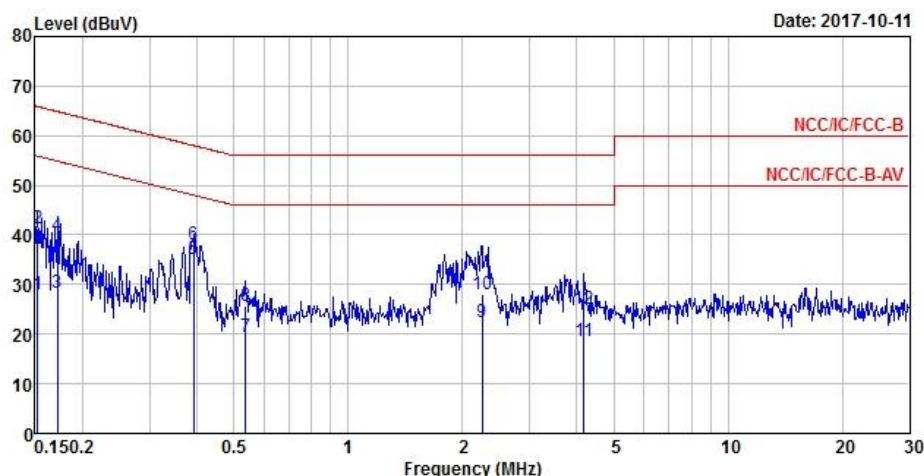
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100305	9KHz - 40GHz	30/Dec/2016	29/Dec/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	20/Oct/2017	19/Oct/2018
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	12/Dec/2016	11/Dec/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	28/Jun/2018
Amplifier	Ketsight	8449B	3008A02602	1GHz-26.5GHz	19/Sep/2017	18/Sep/2018
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	09/Sep/2017	08/Sep/2018
Loop Antenna	TESEQ	HLA 6120	31244	9KHz-30MHz	02/Mar/2017	01/Mar/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Receiver	R&S	ESU3	102052	9kHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018

**Instrument for Conducted Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	24/Feb/2017	23/Feb/2018
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	24/Feb/2017	23/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY677/3	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY678/3	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10717/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter mode		



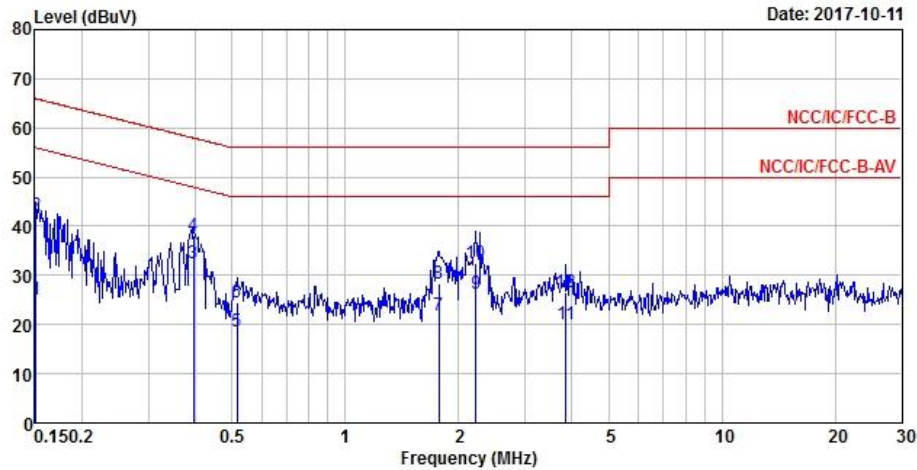
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15240	28.13	-27.74	55.87	18.53	9.60	0.00	Average
2	0.15240	41.19	-24.68	65.87	31.59	9.60	0.00	QP
3	0.17125	28.44	-26.46	54.90	18.81	9.63	0.00	Average
4	0.17125	39.94	-24.96	64.90	30.31	9.63	0.00	QP
5 MAX	0.39136	35.11	-12.92	48.03	25.48	9.63	0.00	Average
6	0.39136	38.05	-19.98	58.03	28.42	9.63	0.00	QP
7	0.53782	19.37	-26.63	46.00	9.75	9.62	0.00	Average
8	0.53782	25.78	-30.22	56.00	16.16	9.62	0.00	QP
9	2.24863	22.49	-23.51	46.00	12.83	9.66	0.00	Average
10	2.24863	27.90	-28.10	56.00	18.24	9.66	0.00	QP
11	4.17963	18.58	-27.42	46.00	8.87	9.71	0.00	Average
12	4.17963	25.22	-30.78	56.00	15.51	9.71	0.00	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	Limit Line	Read Level	LISM Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15080	24.96	-31.00	55.96	15.30	9.66	0.00	Average
2	0.15080	42.19	-23.77	65.96	32.53	9.66	0.00	QP
3 MAX	0.39553	32.61	-15.34	47.95	22.93	9.68	0.00	Average
4	0.39553	38.00	-19.95	57.95	28.32	9.68	0.00	QP
5	0.51550	18.54	-27.46	46.00	8.87	9.67	0.00	Average
6	0.51550	24.39	-31.61	56.00	14.72	9.67	0.00	QP
7	1.77162	21.94	-24.06	46.00	12.18	9.76	0.00	Average
8	1.77162	28.30	-27.70	56.00	18.54	9.76	0.00	QP
9	2.22493	26.18	-19.82	46.00	16.39	9.79	0.00	Average
10	2.22493	32.34	-23.66	56.00	22.55	9.79	0.00	QP
11	3.86031	20.19	-25.81	46.00	10.42	9.77	0.00	Average
12	3.86031	26.52	-29.48	56.00	16.75	9.77	0.00	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)	941.25k	915.792k	916KF1D	937.5k	892.054k
BT-EDR(2Mbps)	1.339M	1.223M	1M22G1D	1.33M	1.213M
BT-EDR(3Mbps)	1.324M	1.224M	1M22G1D	1.274M	1.219M

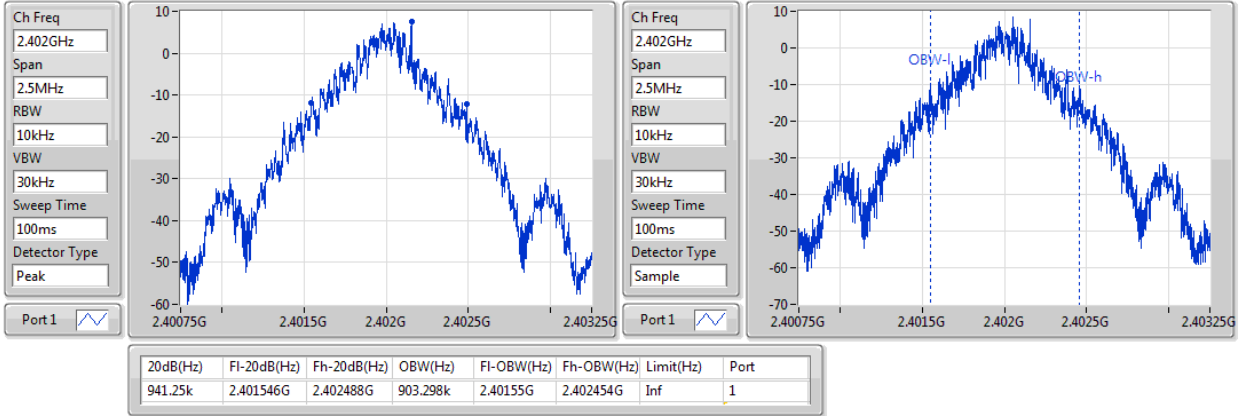
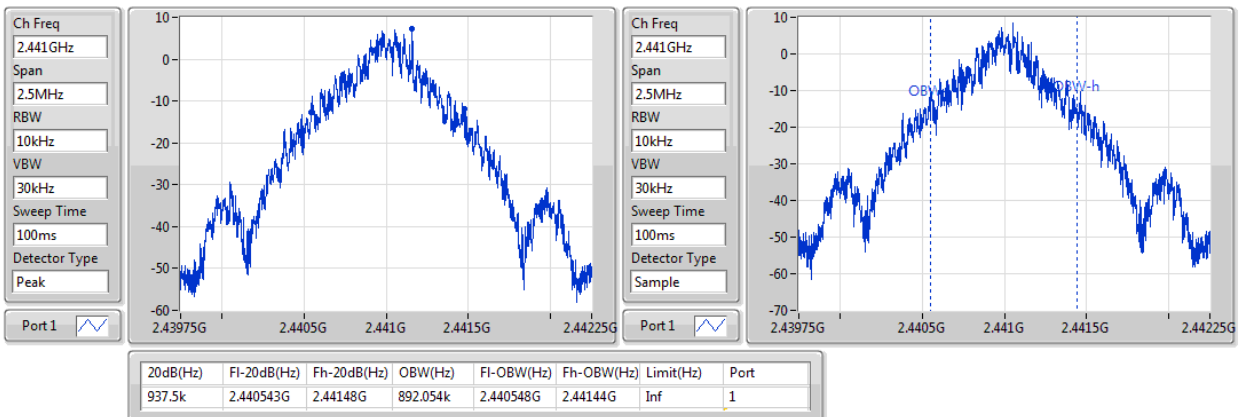
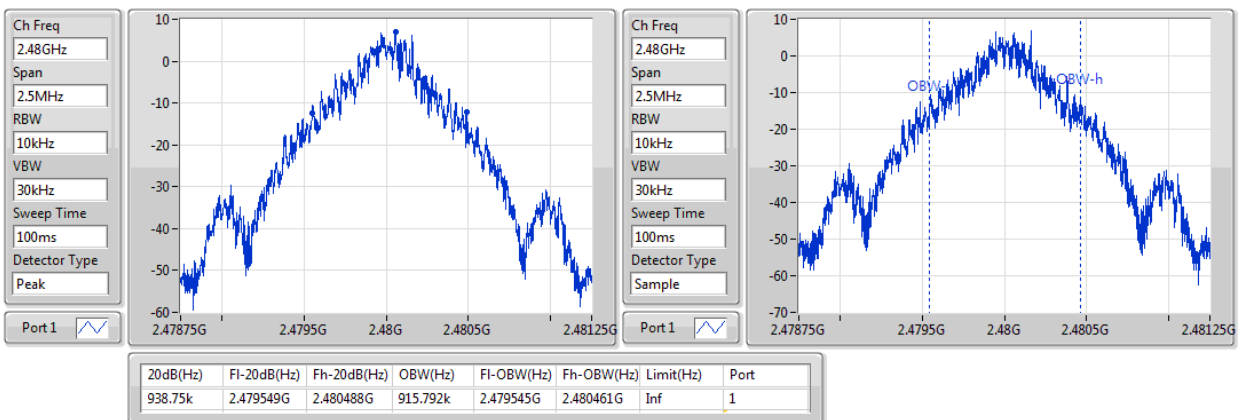
Max-N dB = Maximum 20dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

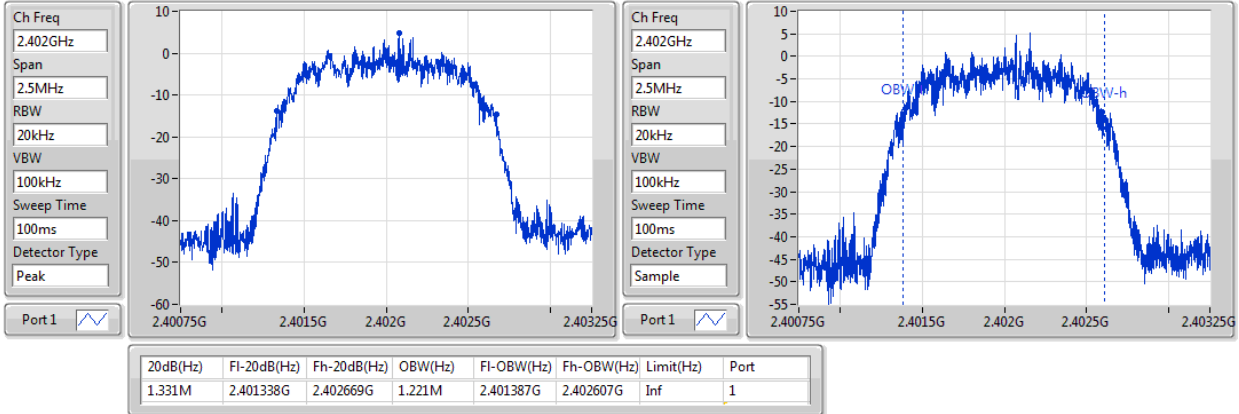
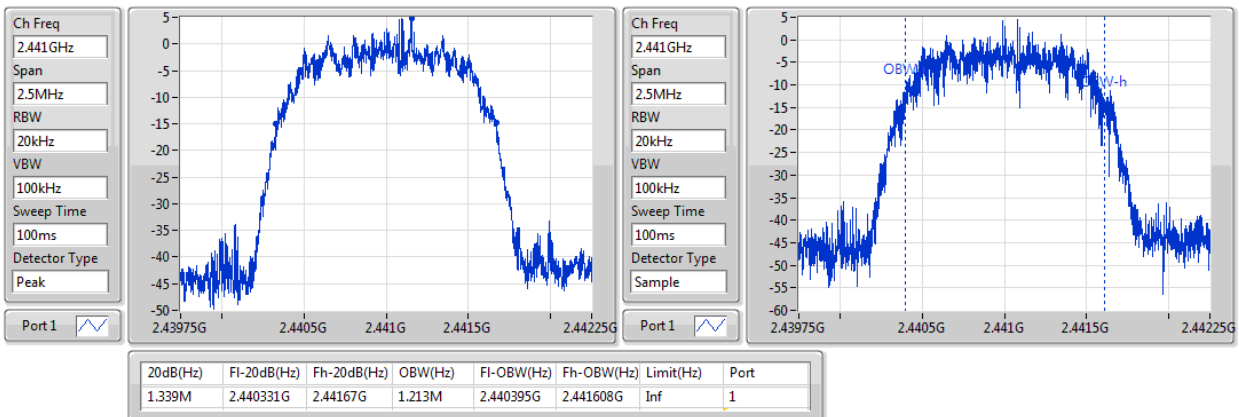
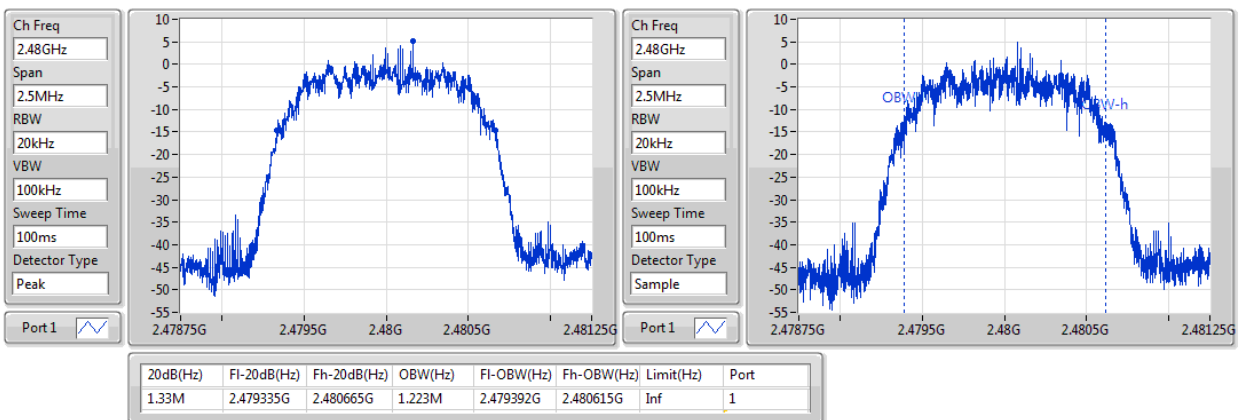
Min-N dB = Minimum 20dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

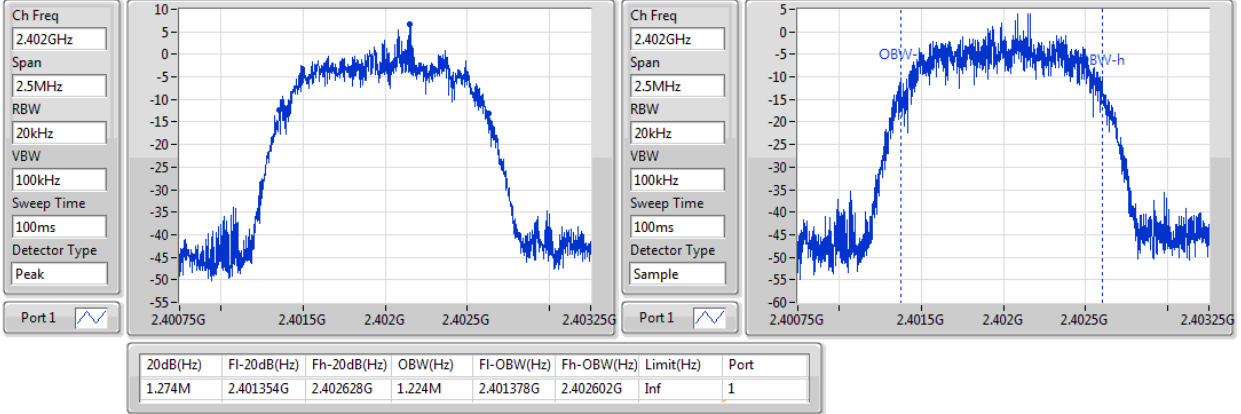
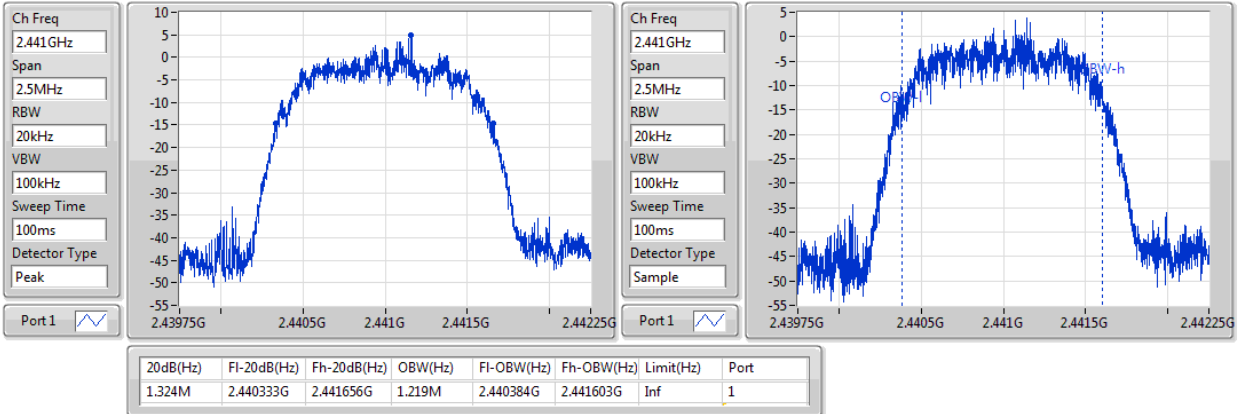
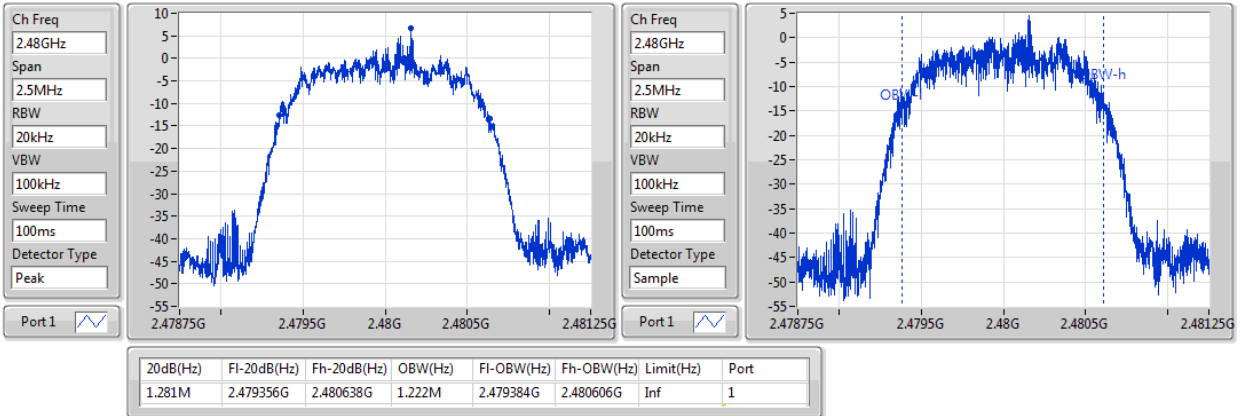
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	941.25k	903.298k
2441MHz_TnomVnom	Pass	Inf	937.5k	892.054k
2480MHz_TnomVnom	Pass	Inf	938.75k	915.792k
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.331M	1.221M
2441MHz_TnomVnom	Pass	Inf	1.339M	1.213M
2480MHz_TnomVnom	Pass	Inf	1.33M	1.223M
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	Inf	1.274M	1.224M
2441MHz_TnomVnom	Pass	Inf	1.324M	1.219M
2480MHz_TnomVnom	Pass	Inf	1.281M	1.222M

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

BT-BR(1Mbps)
EBW
2402MHz

BT-BR(1Mbps)
EBW
2441MHz

BT-BR(1Mbps)
EBW
2480MHz


BT-EDR(2Mbps)
EBW
2402MHz

BT-EDR(2Mbps)
EBW
2441MHz

BT-EDR(2Mbps)
EBW
2480MHz


BT-EDR(3Mbps)
EBW
2402MHz

BT-EDR(3Mbps)
EBW
2441MHz

BT-EDR(3Mbps)
EBW
2480MHz


Summary

Mode	Max-Space (Hz)	Min-Space (Hz)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	1.0095M	999k
BT-EDR(2Mbps)	1.002M	994.5k
BT-EDR(3Mbps)	1.059M	1.005M

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402146G	2.403156G	1.0095M	626.8725k
2441MHz_TnomVnom	Pass	2.441157G	2.442156G	999k	624.375k
2480MHz_TnomVnom	Pass	2.479154G	2.480156G	1.002M	625.2075k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402085G	2.403087G	1.002M	886.446k
2441MHz_TnomVnom	Pass	2.441083G	2.442082G	999k	891.774k
2480MHz_TnomVnom	Pass	2.479094G	2.480088G	994.5k	885.78k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402094G	2.403153G	1.059M	848.484k
2441MHz_TnomVnom	Pass	2.441152G	2.442157G	1.005M	881.784k
2480MHz_TnomVnom	Pass	2.479151G	2.480162G	1.011M	853.146k

BT-BR(1Mbps)

Channel Separation

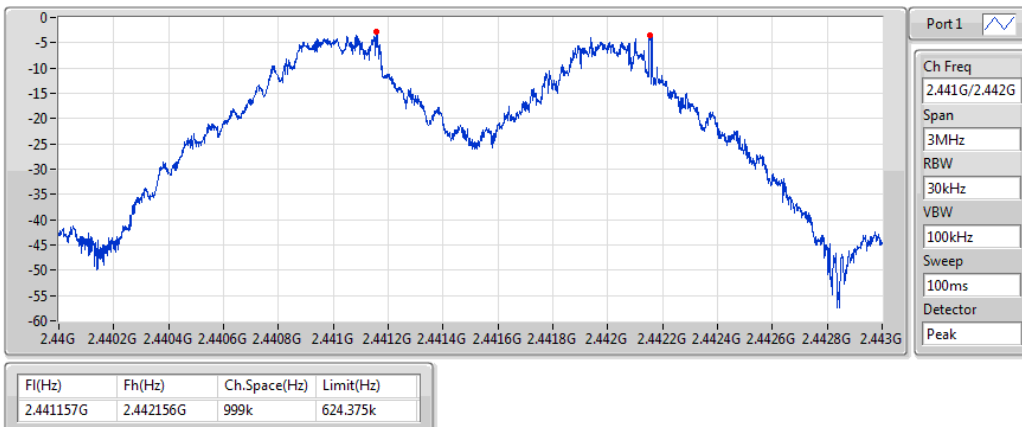
2.402G/2.403GHz



BT-BR(1Mbps)

Channel Separation

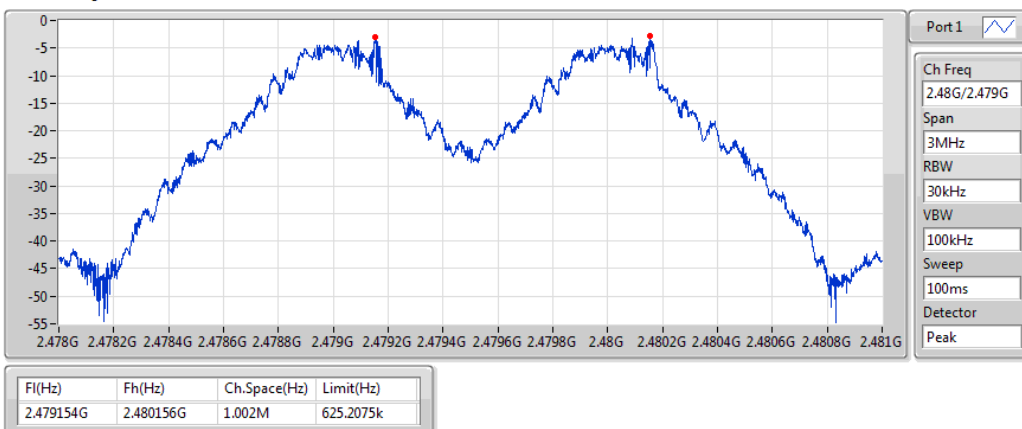
2.441G/2.442GHz



BT-BR(1Mbps)

Channel Separation

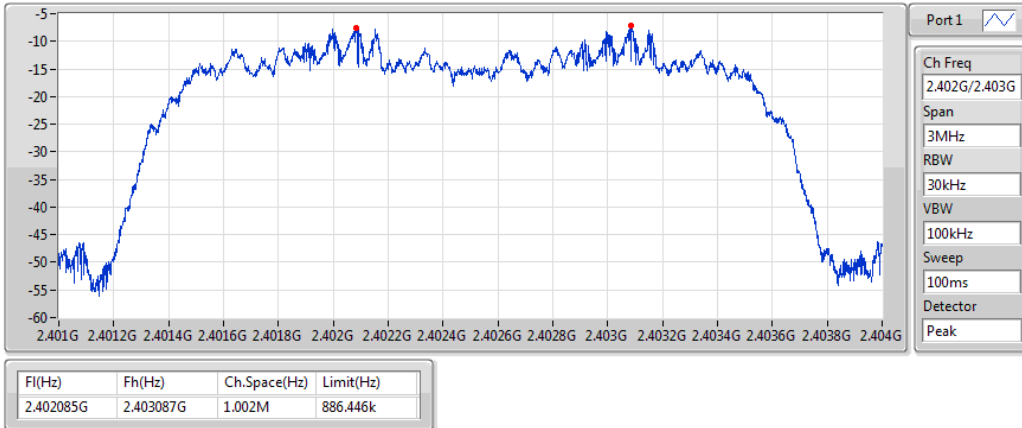
2.48G/2.479GHz



BT-EDR(2Mbps)

Channel Separation

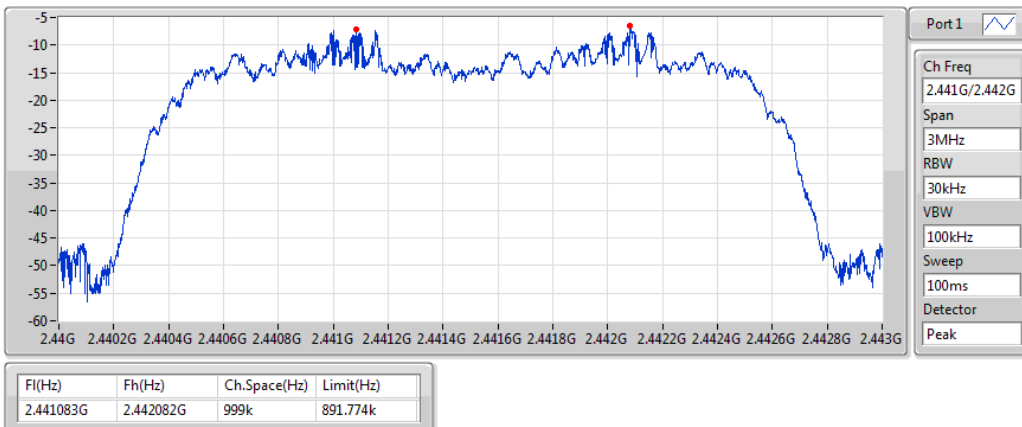
2.402G/2.403GHz



BT-EDR(2Mbps)

Channel Separation

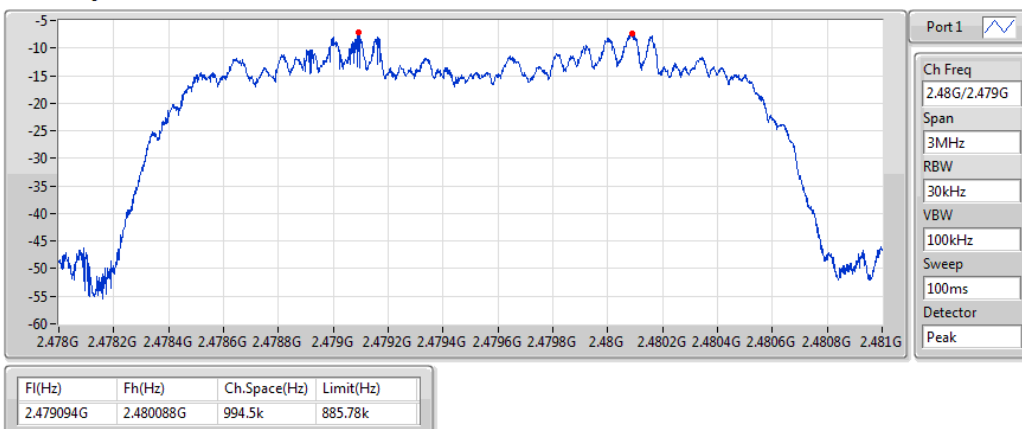
2.441G/2.442GHz



BT-EDR(2Mbps)

Channel Separation

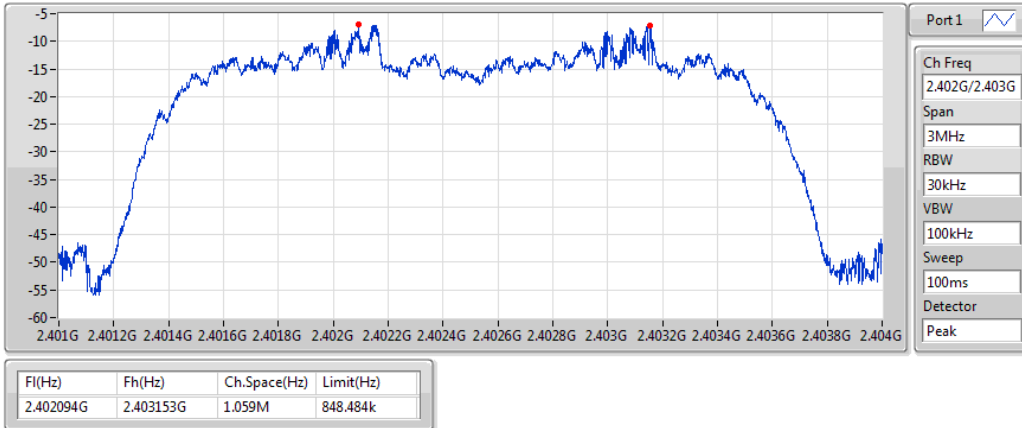
2.48G/2.479GHz



BT-EDR(3Mbps)

Channel Separation

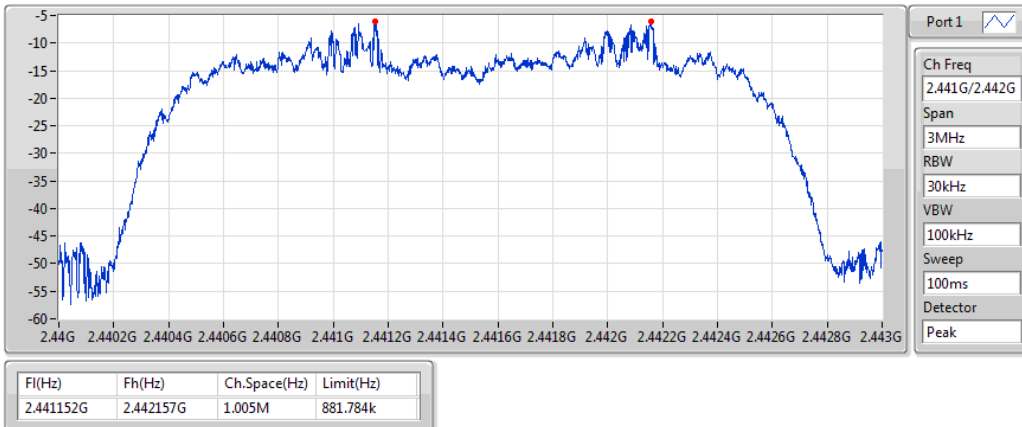
2.402G/2.403GHz



BT-EDR(3Mbps)

Channel Separation

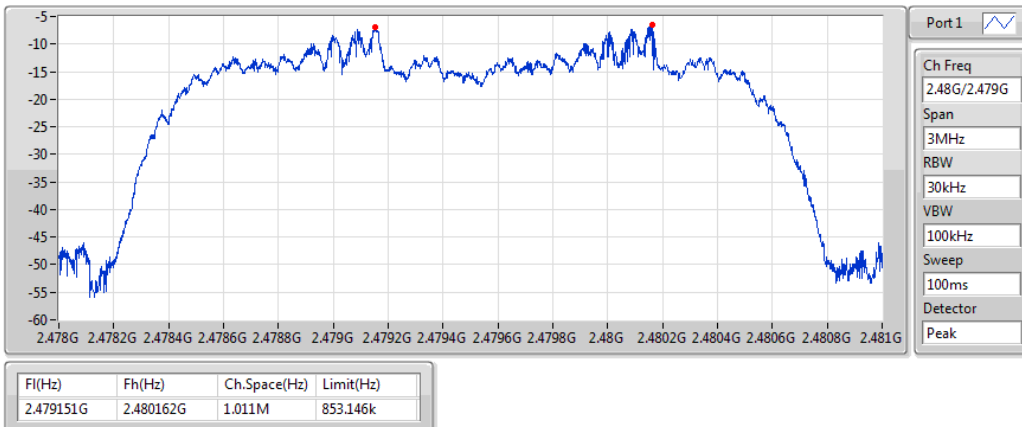
2.441G/2.442GHz



BT-EDR(3Mbps)

Channel Separation

2.48G/2.479GHz



Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	10.61	0.01151
BT-EDR(2Mbps)	9.28	0.00847
BT-EDR(3Mbps)	9.64	0.0092

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.20	10.41	21.00
2441MHz_TnomVnom	Pass	3.20	10.61	21.00
2480MHz_TnomVnom	Pass	3.20	10.04	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.20	9.10	21.00
2441MHz_TnomVnom	Pass	3.20	9.28	21.00
2480MHz_TnomVnom	Pass	3.20	8.59	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.20	9.31	21.00
2441MHz_TnomVnom	Pass	3.20	9.64	21.00
2480MHz_TnomVnom	Pass	3.20	8.98	21.00

Summary

Mode	Power	Power
	(dBm)	(W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	10.32	0.01076
BT-EDR(2Mbps)	6.63	0.00460
BT-EDR(3Mbps)	6.86	0.00485

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.20	10.13	21.00
2441MHz_TnomVnom	Pass	3.20	10.32	21.00
2480MHz_TnomVnom	Pass	3.20	9.77	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.20	6.46	21.00
2441MHz_TnomVnom	Pass	3.20	6.63	21.00
2480MHz_TnomVnom	Pass	3.20	5.90	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	3.20	6.43	21.00
2441MHz_TnomVnom	Pass	3.20	6.86	21.00
2480MHz_TnomVnom	Pass	3.20	6.11	21.00

Summary

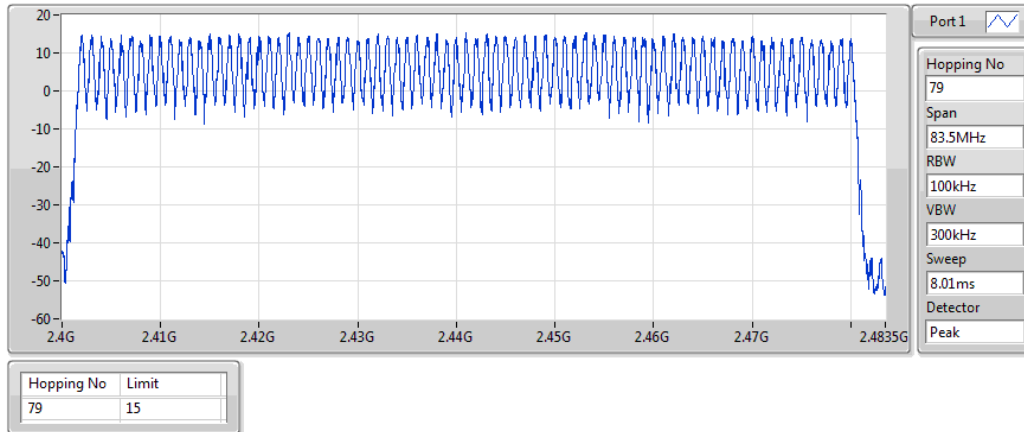
Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

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

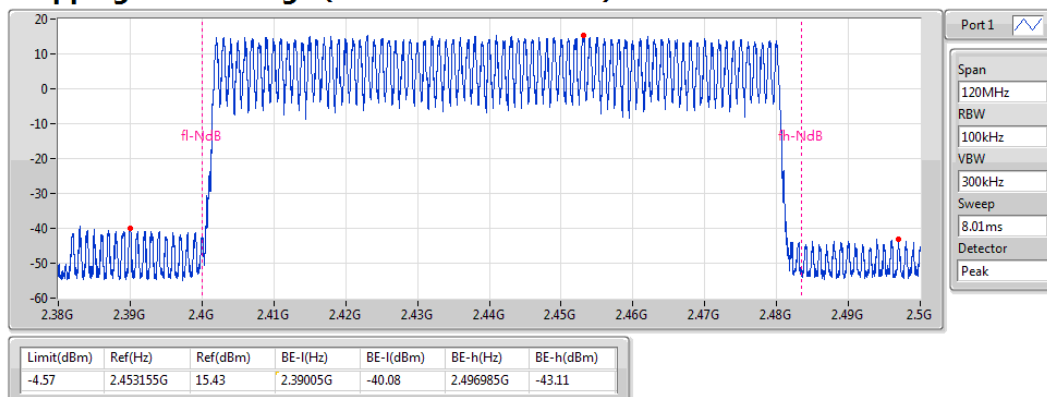
BT-BR(1Mbps)
2441MHz

Hopping Ch



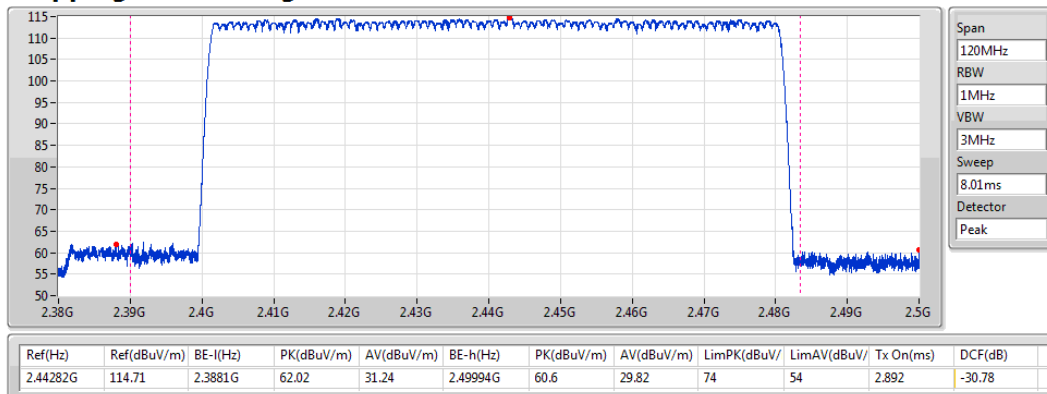
BT-BR(1Mbps)
2441MHz

Hopping Ch Bandedge (Non-restricted Band)



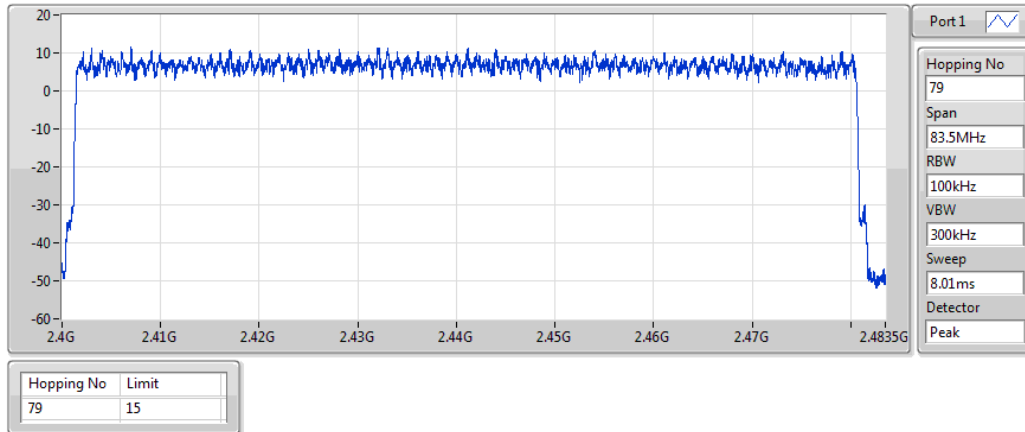
BT-BR(1Mbps)
2441MHz

Hopping Ch Bandedge (Restricted Band)



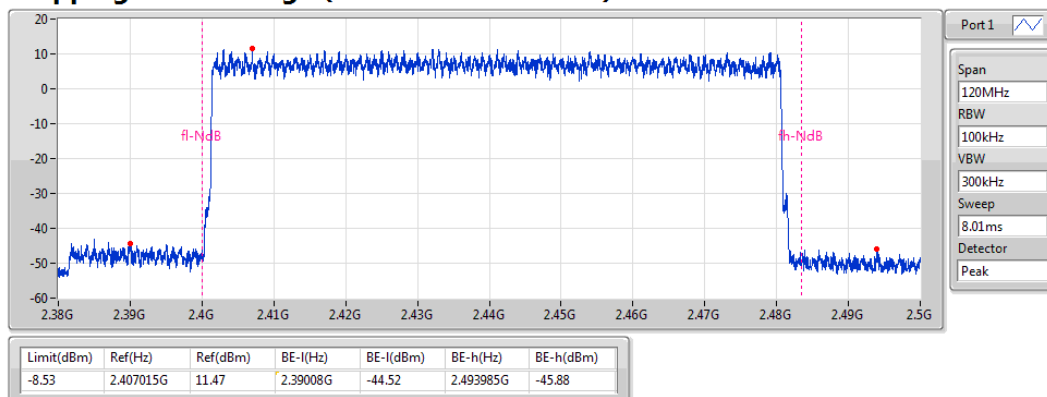
BT-EDR(2Mbps) 2441MHz

Hopping Ch



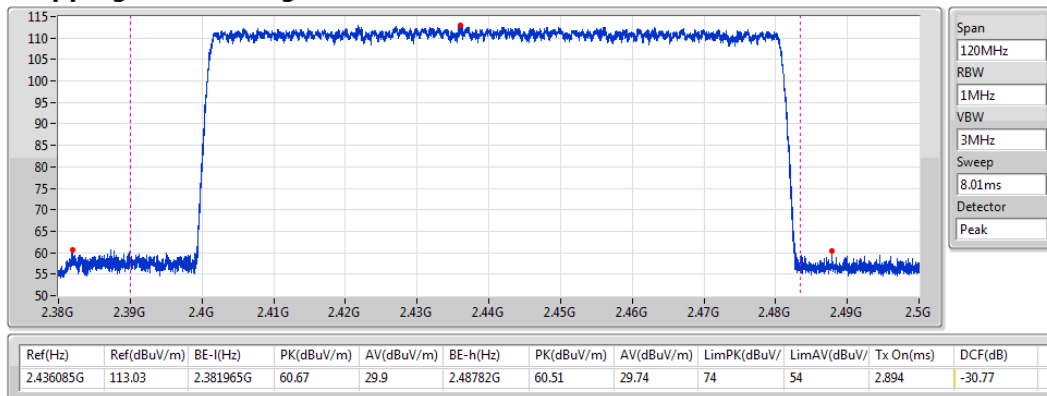
BT-EDR(2Mbps) 2441MHz

Hopping Ch Bandedge (Non-restricted Band)



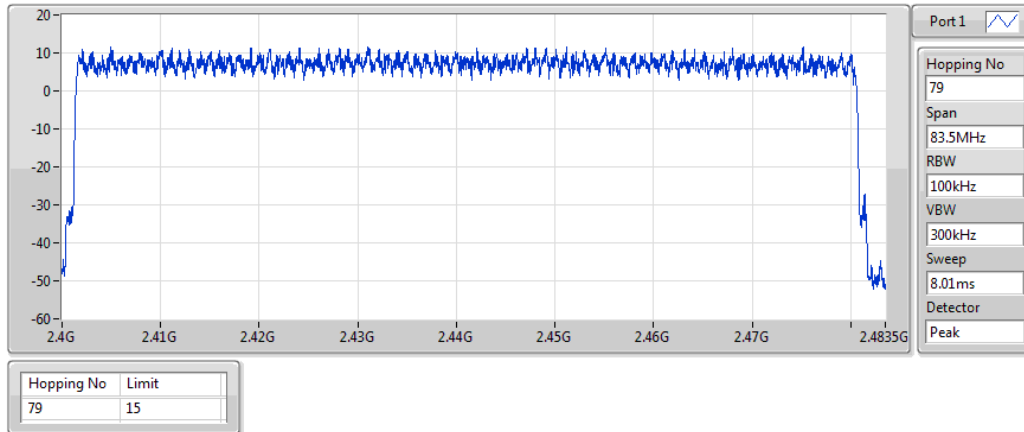
BT-EDR(2Mbps) 2441MHz

Hopping Ch Bandedge (Restricted Band)



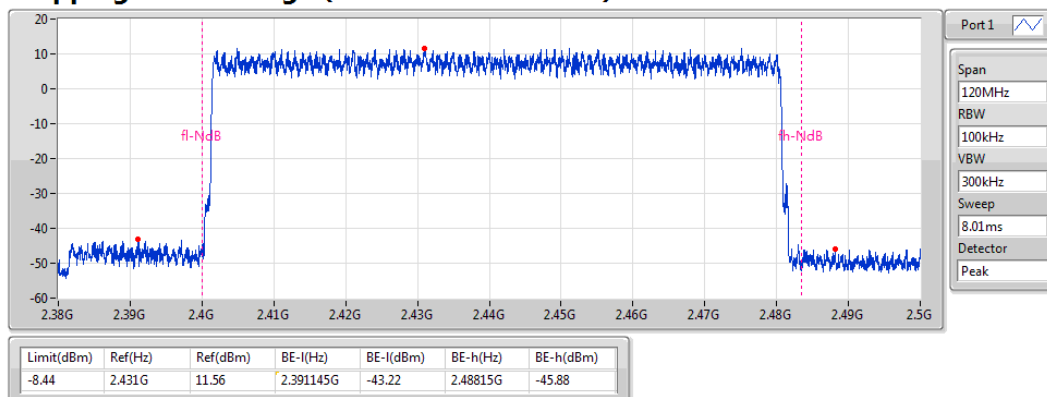
BT-EDR(3Mbps) 2441MHz

Hopping Ch



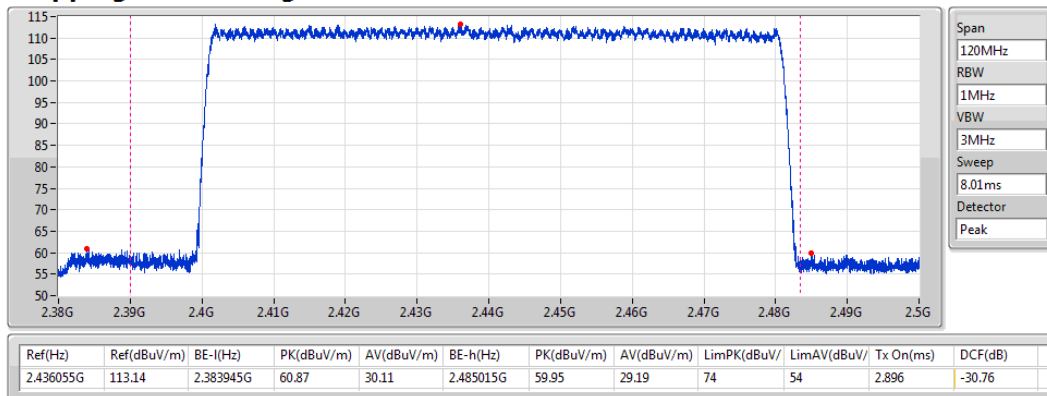
BT-EDR(3Mbps) 2441MHz

Hopping Ch Bandedge (Non-restricted Band)



BT-EDR(3Mbps) 2441MHz

Hopping Ch Bandedge (Restricted Band)



Summary

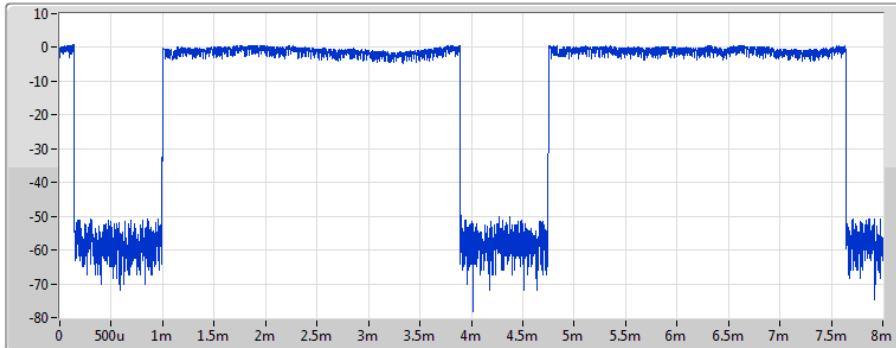
Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	308.2872m
BT-EDR(2Mbps)	308.5004m
BT-EDR(3Mbps)	308.7136m

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	308.2872m	400m	2.892m
BT-EDR(2Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	308.5004m	400m	2.894m
BT-EDR(3Mbps)	-	-	-	-	-
2441MHz_TnomVnom	Pass	31.6	308.7136m	400m	2.896m

BT-BR(1Mbps)

2441MHz



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

Dwell

Port 1 

Ch Freq
2.441GHz

RBW
300kHz

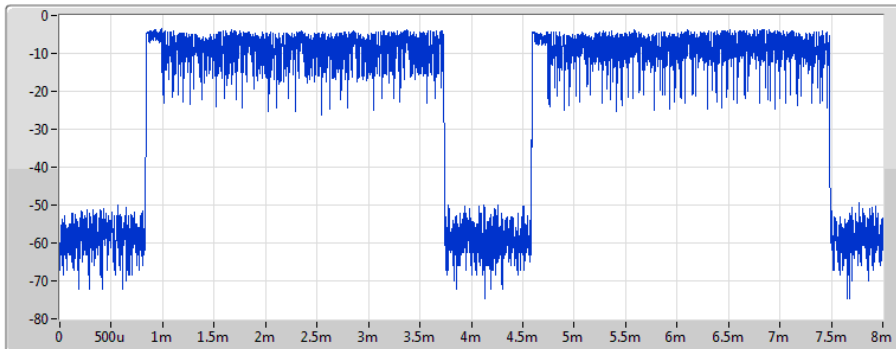
VBW
1MHz

Sweep Time
8ms

TX Time
2.892ms

BT-EDR(2Mbps)

2441MHz



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

Dwell

Port 1 

Ch Freq
2.441GHz

RBW
300kHz

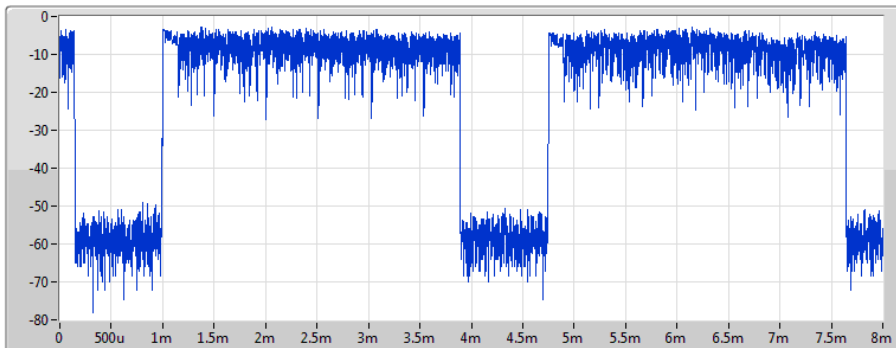
VBW
1MHz

Sweep Time
8ms

TX Time
2.894ms

BT-EDR(3Mbps)

2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	308.7136m	400m	2.896m

Dwell

Port 1 

Ch Freq
2.441GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.896ms

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	2.48016G	12.54	-7.46	720.272M	-52.62	2.398296G	-54.00	2.483824G	-51.88	2.499572G	-46.35	1
BT-EDR(2Mbps)	Pass	2.440748G	8.09	-11.91	2.393264G	-52.16	2.399096G	-53.78	2.484844G	-52.07	6.951814G	-47.30	1
BT-EDR(3Mbps)	Pass	2.40167G	7.69	-12.31	1.961104G	-51.87	2.399536G	-47.31	2.484908G	-53.52	21.43708G	-47.95	1

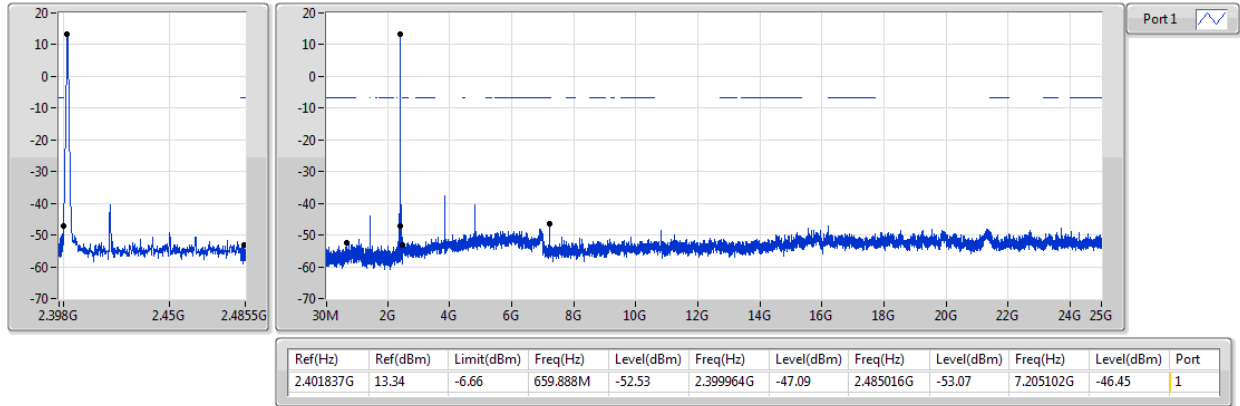
Result

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	2.401837G	13.34	-6.66	659.888M	-52.53	2.399964G	-47.09	2.485016G	-53.07	7.205102G	-46.45	1
2441MHz_TnomVnom	Pass	2.440915G	13.04	-6.96	2.393264G	-52.43	2.399948G	-53.40	2.483628G	-51.73	6.982771G	-47.89	1
2480MHz_TnomVnom	Pass	2.48016G	12.54	-7.46	720.272M	-52.62	2.398296G	-54.00	2.483824G	-51.88	2.499572G	-46.35	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.402004G	9.31	-10.69	717.904M	-53.32	2.39976G	-48.28	2.483812G	-53.28	6.957443G	-47.71	1
2441MHz_TnomVnom	Pass	2.440748G	8.09	-11.91	2.393264G	-52.16	2.399096G	-53.78	2.484844G	-52.07	6.951814G	-47.30	1
2480MHz_TnomVnom	Pass	2.479993G	9.51	-10.49	2.300912G	-52.31	2.399252G	-52.89	2.484616G	-51.66	23.339556G	-47.29	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz_TnomVnom	Pass	2.40167G	7.69	-12.31	1.961104G	-51.87	2.399536G	-47.31	2.484908G	-53.52	21.43708G	-47.95	1
2441MHz_TnomVnom	Pass	2.441082G	8.18	-11.82	694.224M	-52.87	2.398004G	-52.68	2.48384G	-53.58	6.949G	-47.73	1
2480MHz_TnomVnom	Pass	2.48016G	8.57	-11.43	755.792M	-53.14	2.398148G	-53.38	2.483784G	-51.71	16.559877G	-47.96	1

BT-BR(1Mbps)

CSE NdB

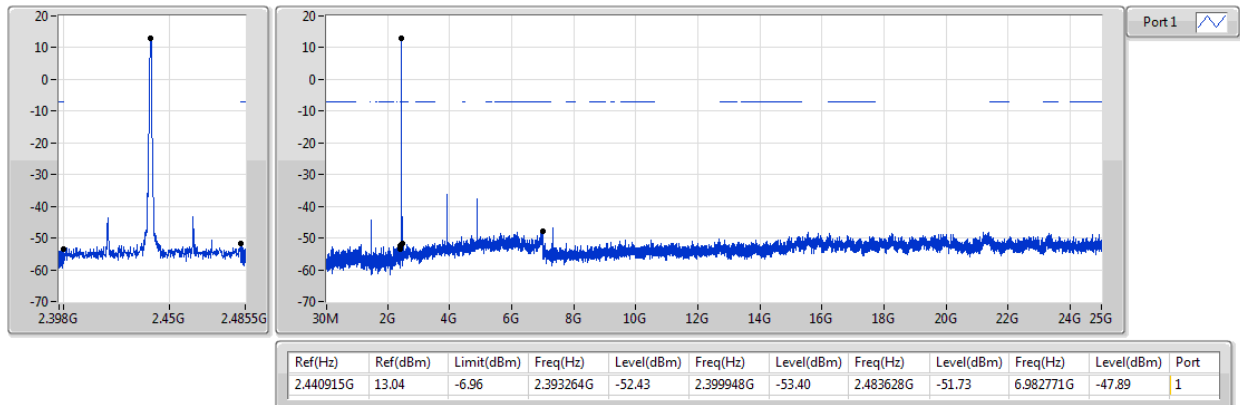
2402MHz



BT-BR(1Mbps)

CSE NdB

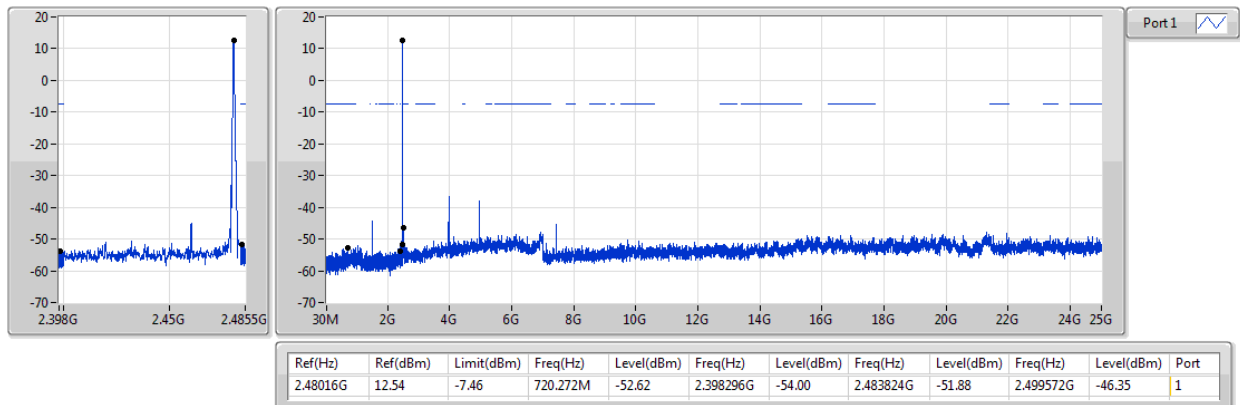
2441MHz



BT-BR(1Mbps)

CSE NdB

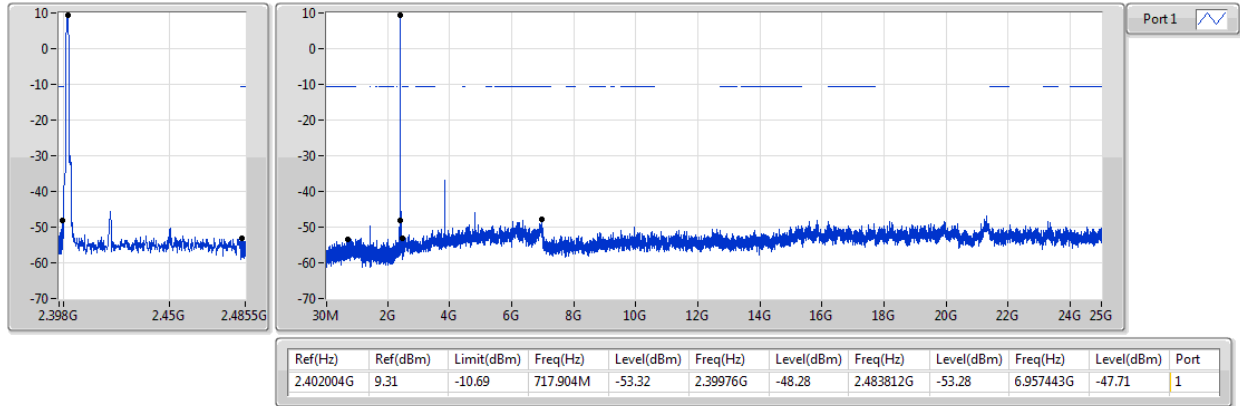
2480MHz



BT-EDR(2Mbps)

CSE NdB

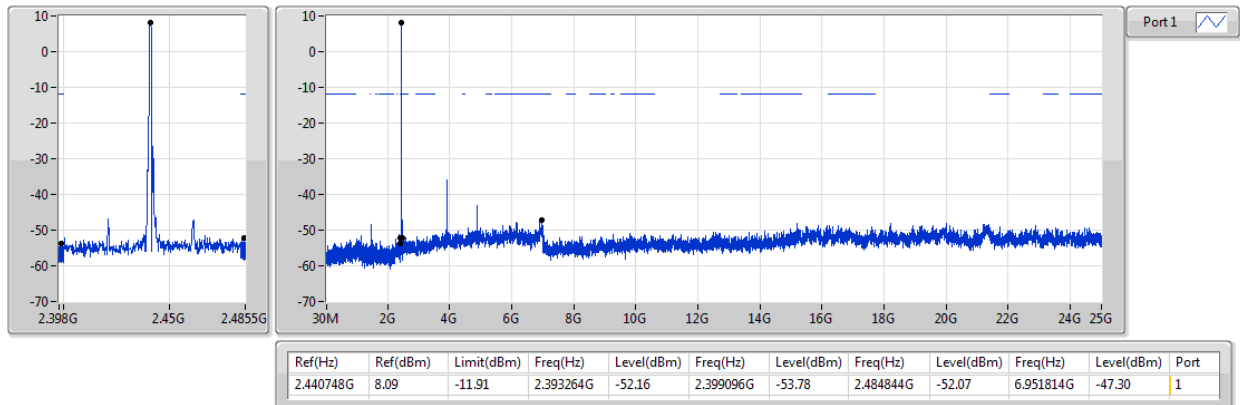
2402MHz



BT-EDR(2Mbps)

CSE NdB

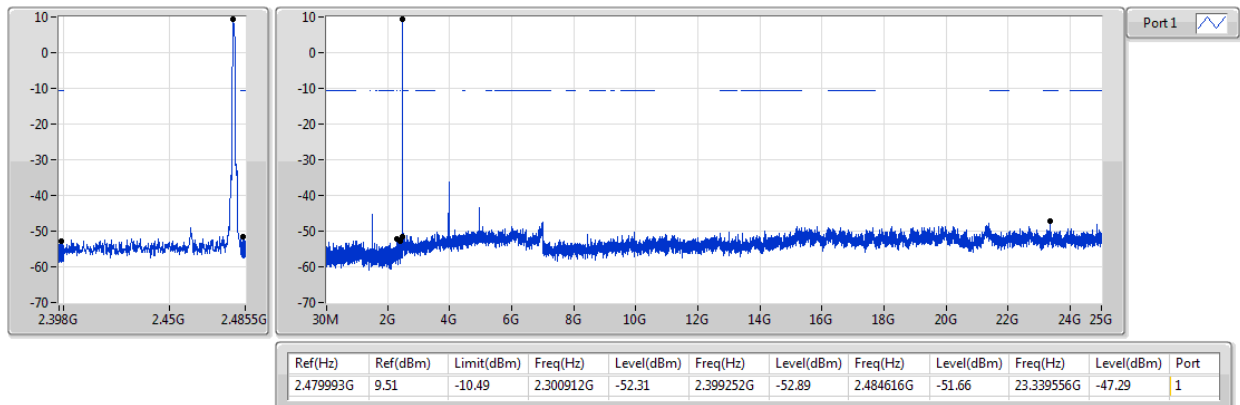
2441MHz



BT-EDR(2Mbps)

CSE NdB

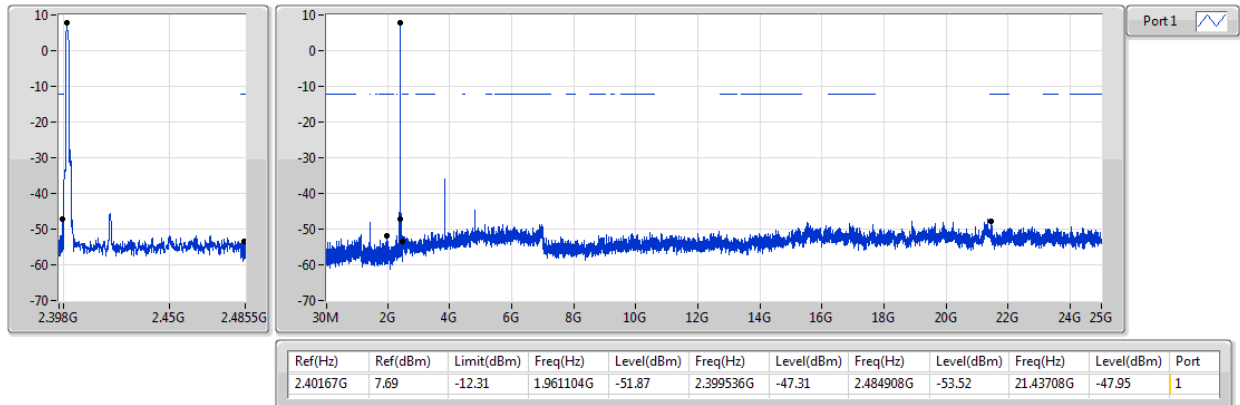
2480MHz



BT-EDR(3Mbps)

CSE NdB

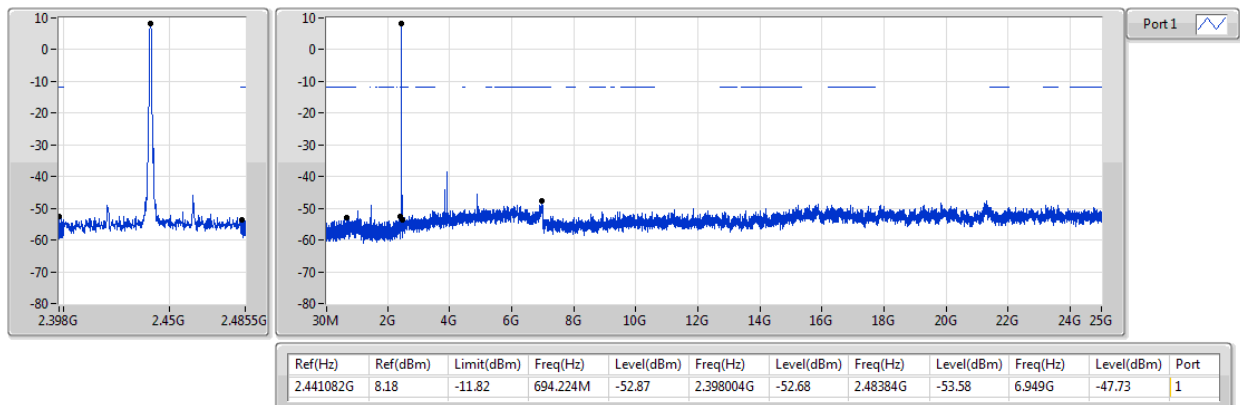
2402MHz



BT-EDR(3Mbps)

CSE NdB

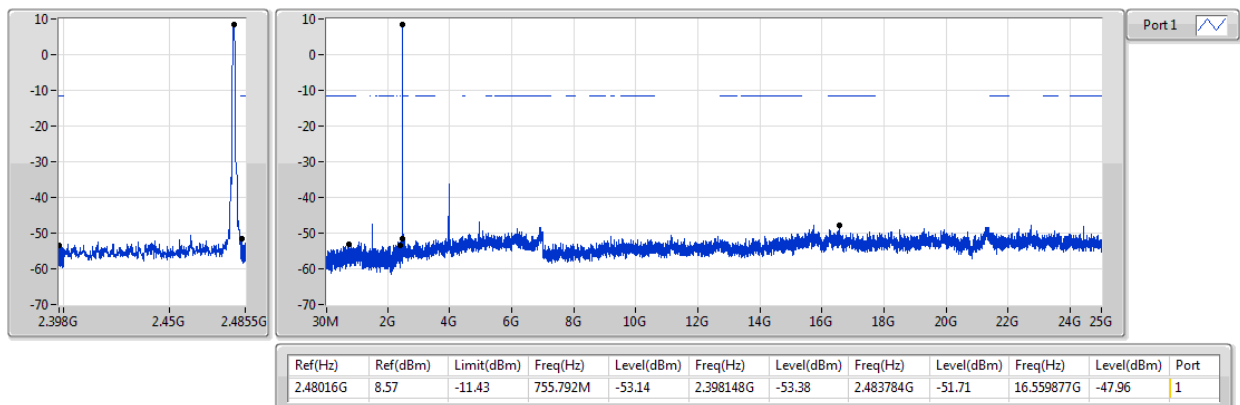
2441MHz



BT-EDR(3Mbps)

CSE NdB

2480MHz



**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	33.88M	34.89	40.00	-5.11	-14.67	3	Vertical	0	1.00	-

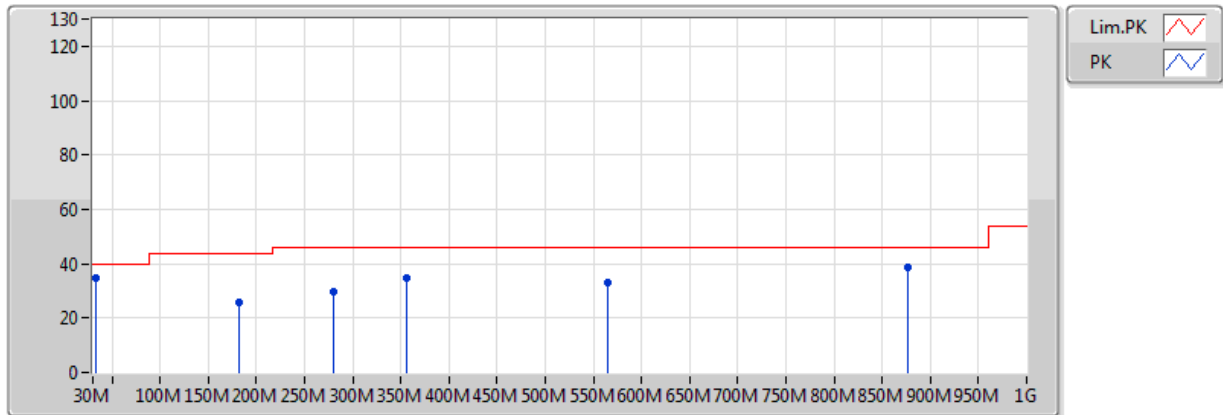
Result

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	80.44M	34.74	40.00	-5.26	-22.94	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	181.32M	34.94	43.50	-8.56	-20.16	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	284.14M	35.63	46.00	-10.37	-15.49	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	499.48M	35.32	46.00	-10.68	-9.76	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	773.02M	39.40	46.00	-6.60	-5.40	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	953.44M	37.31	46.00	-8.69	-1.74	3	Horizontal	0	1.00	-
2441MHz	Pass	PK	33.88M	34.89	40.00	-5.11	-14.67	3	Vertical	0	1.00	-
2441MHz	Pass	PK	181.32M	26.04	43.50	-17.46	-20.16	3	Vertical	0	1.00	-
2441MHz	Pass	PK	280.26M	29.43	46.00	-16.57	-15.59	3	Vertical	0	1.00	-
2441MHz	Pass	PK	355.92M	34.51	46.00	-11.49	-13.65	3	Vertical	0	1.00	-
2441MHz	Pass	PK	565.44M	32.80	46.00	-13.20	-8.01	3	Vertical	0	1.00	-
2441MHz	Pass	PK	875.84M	38.85	46.00	-7.15	-4.11	3	Vertical	0	1.00	-

BT-BR(1Mbps)

2441MHz_Adapter

31/10/2017

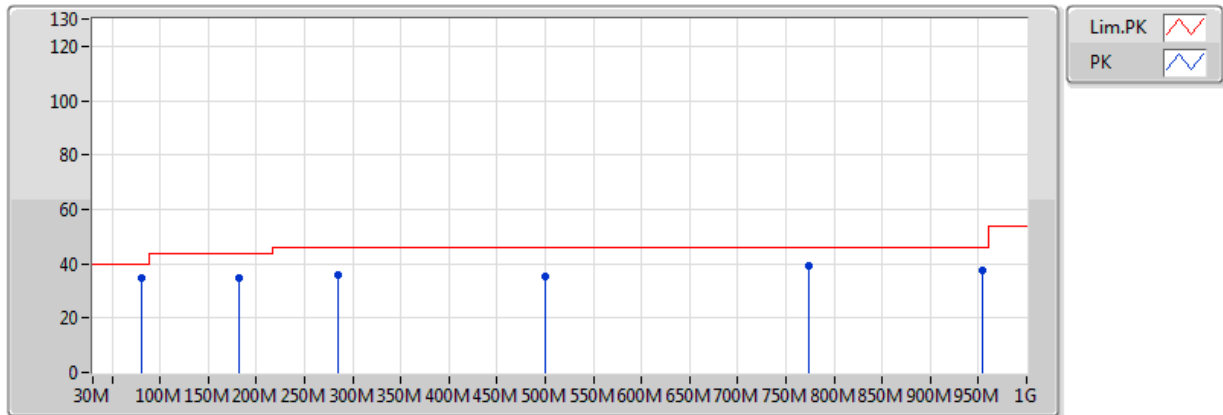


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	33.88M	34.89	40.00	-5.11	-14.67	3	Vertical	0	1.00	-	49.56	21.64	0.99	37.30
PK	181.32M	26.04	43.50	-17.46	-20.16	3	Vertical	0	1.00	-	46.20	14.09	2.21	36.45
PK	280.26M	29.43	46.00	-16.57	-15.59	3	Vertical	0	1.00	-	45.02	18.02	2.81	36.43
PK	355.92M	34.51	46.00	-11.49	-13.65	3	Vertical	0	1.00	-	48.16	19.74	3.13	36.53
PK	565.44M	32.80	46.00	-13.20	-8.01	3	Vertical	0	1.00	-	40.81	25.02	4.07	37.10
PK	875.84M	38.85	46.00	-7.15	-4.11	3	Vertical	0	1.00	-	42.96	28.36	5.05	37.52

BT-BR(1Mbps)

2441MHz_Adapter

31/10/2017



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)
PK	80.44M	34.74	40.00	-5.26	-22.94	3	Horizontal	0	1.00	-	57.68	12.56	1.43	36.94
PK	181.32M	34.94	43.50	-8.56	-20.16	3	Horizontal	0	1.00	-	55.10	14.09	2.21	36.45
PK	284.14M	35.63	46.00	-10.37	-15.49	3	Horizontal	0	1.00	-	51.12	18.09	2.85	36.43
PK	499.48M	35.32	46.00	-10.68	-9.76	3	Horizontal	0	1.00	-	45.08	23.22	3.94	36.92
PK	773.02M	39.40	46.00	-6.60	-5.40	3	Horizontal	0	1.00	-	44.80	27.33	4.71	37.44
PK	953.44M	37.31	46.00	-8.69	-1.74	3	Horizontal	0	1.00	-	39.05	30.14	5.44	37.32

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	2.4998G	45.90	54.00	-8.10	33.16	3	Vertical	215	1.01	-
BT-EDR(2Mbps)	Pass	AV	2.4998G	45.93	54.00	-8.07	33.16	3	Horizontal	174	1.06	-
BT-EDR(3Mbps)	Pass	AV	2.5G	46.08	54.00	-7.92	33.16	3	Vertical	206	1.01	-

Result

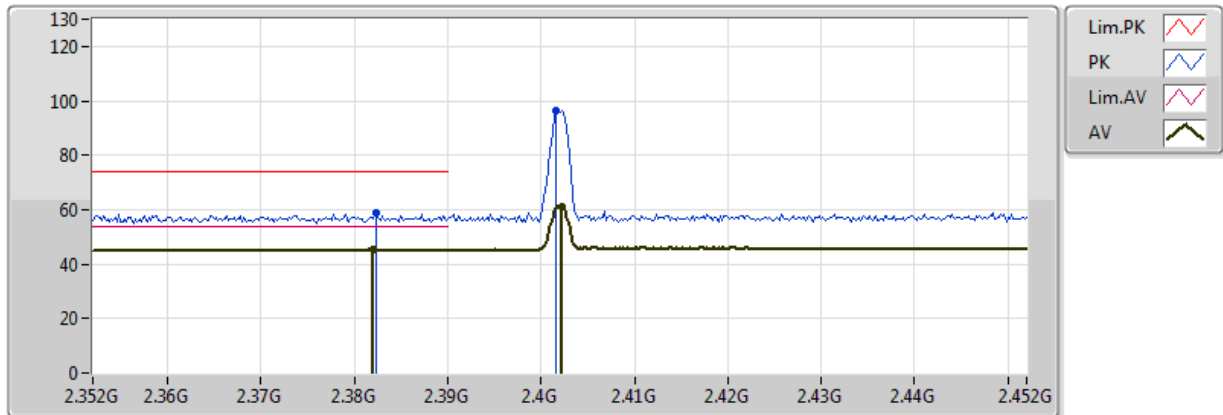
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3872G	44.93	54.00	-9.07	32.71	3	Horizontal	172	1.48	-
2402MHz	Pass	AV	2.402G	59.11	Inf	-Inf	32.77	3	Horizontal	172	1.48	-
2402MHz	Pass	PK	2.3658G	58.22	74.00	-15.78	32.63	3	Horizontal	172	1.48	-
2402MHz	Pass	PK	2.4018G	90.71	Inf	-Inf	32.77	3	Horizontal	172	1.48	-
2402MHz	Pass	AV	2.382G	45.19	54.00	-8.81	32.69	3	Vertical	167	1.14	-
2402MHz	Pass	AV	2.4022G	61.03	Inf	-Inf	32.77	3	Vertical	167	1.14	-
2402MHz	Pass	PK	2.3824G	58.62	74.00	-15.38	32.69	3	Vertical	167	1.14	-
2402MHz	Pass	PK	2.4016G	96.55	Inf	-Inf	32.77	3	Vertical	167	1.14	-
2402MHz	Pass	AV	4.804G	35.43	54.00	-18.57	4.10	3	Horizontal	0	1.50	-
2402MHz	Pass	PK	4.804G	48.05	74.00	-25.95	4.10	3	Horizontal	0	1.50	-
2402MHz	Pass	AV	4.804G	33.25	54.00	-20.75	4.10	3	Vertical	360	1.50	-
2402MHz	Pass	PK	4.804G	47.66	74.00	-26.34	4.10	3	Vertical	360	1.50	-
2441MHz	Pass	AV	2.3886G	44.97	54.00	-9.03	32.72	3	Horizontal	166	1.05	-
2441MHz	Pass	AV	2.441G	61.09	Inf	-Inf	32.92	3	Horizontal	166	1.05	-
2441MHz	Pass	AV	2.4998G	45.81	54.00	-8.19	33.16	3	Horizontal	166	1.05	-
2441MHz	Pass	PK	2.3542G	58.29	74.00	-15.71	32.58	3	Horizontal	166	1.05	-
2441MHz	Pass	PK	2.4406G	95.86	Inf	-Inf	32.92	3	Horizontal	166	1.05	-
2441MHz	Pass	PK	2.491G	58.36	74.00	-15.64	33.12	3	Horizontal	166	1.05	-
2441MHz	Pass	AV	2.387G	44.98	54.00	-9.02	32.71	3	Vertical	167	1.00	-
2441MHz	Pass	AV	2.441G	62.81	Inf	-Inf	32.92	3	Vertical	167	1.00	-
2441MHz	Pass	AV	2.499G	45.79	54.00	-8.21	33.16	3	Vertical	167	1.00	-
2441MHz	Pass	PK	2.3502G	58.82	74.00	-15.18	32.57	3	Vertical	167	1.00	-
2441MHz	Pass	PK	2.4406G	101.04	Inf	-Inf	32.92	3	Vertical	167	1.00	-
2441MHz	Pass	PK	2.485G	59.61	74.00	-14.39	33.10	3	Vertical	167	1.00	-
2480MHz	Pass	AV	2.48G	61.82	Inf	-Inf	33.08	3	Horizontal	175	1.05	-
2480MHz	Pass	AV	2.4998G	45.85	54.00	-8.15	33.16	3	Horizontal	175	1.05	-
2480MHz	Pass	PK	2.4796G	97.51	Inf	-Inf	33.08	3	Horizontal	175	1.05	-
2480MHz	Pass	PK	2.4988G	60.11	74.00	-13.89	33.16	3	Horizontal	175	1.05	-
2480MHz	Pass	AV	2.4802G	62.92	Inf	-Inf	33.08	3	Vertical	215	1.01	-
2480MHz	Pass	AV	2.4998G	45.90	54.00	-8.10	33.16	3	Vertical	215	1.01	-
2480MHz	Pass	PK	2.4798G	100.90	Inf	-Inf	33.08	3	Vertical	215	1.01	-
2480MHz	Pass	PK	2.4934G	59.74	74.00	-14.26	33.13	3	Vertical	215	1.01	-
2480MHz	Pass	AV	4.96G	36.60	54.00	-17.40	4.49	3	Horizontal	0	1.50	-
2480MHz	Pass	PK	4.96G	48.24	74.00	-25.76	4.49	3	Horizontal	0	1.50	-
2480MHz	Pass	AV	4.96G	35.89	54.00	-18.11	4.49	3	Vertical	0	1.50	-
2480MHz	Pass	PK	4.96G	49.11	74.00	-24.89	4.49	3	Vertical	0	1.50	-
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.382G	45.18	54.00	-8.82	32.69	3	Horizontal	87	1.01	-
2402MHz	Pass	AV	2.402G	76.70	Inf	-Inf	32.77	3	Horizontal	87	1.01	-
2402MHz	Pass	PK	2.3678G	58.85	74.00	-15.15	32.63	3	Horizontal	87	1.01	-
2402MHz	Pass	PK	2.4016G	93.19	Inf	-Inf	32.77	3	Horizontal	87	1.01	-
2402MHz	Pass	AV	2.3818G	45.53	54.00	-8.47	32.69	3	Vertical	166	1.00	-
2402MHz	Pass	AV	2.402G	78.99	Inf	-Inf	32.77	3	Vertical	166	1.00	-
2402MHz	Pass	PK	2.3674G	58.24	74.00	-15.76	32.63	3	Vertical	166	1.00	-
2402MHz	Pass	PK	2.4022G	96.63	Inf	-Inf	32.77	3	Vertical	166	1.00	-
2441MHz	Pass	AV	2.387G	44.94	54.00	-9.06	32.71	3	Horizontal	165	1.06	-
2441MHz	Pass	AV	2.441G	78.95	Inf	-Inf	32.92	3	Horizontal	165	1.06	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2441MHz	Pass	AV	2.499G	45.81	54.00	-8.19	33.16	3	Horizontal	165	1.06	-
2441MHz	Pass	PK	2.3618G	58.85	74.00	-15.15	32.61	3	Horizontal	165	1.06	-
2441MHz	Pass	PK	2.4406G	96.38	Inf	-Inf	32.92	3	Horizontal	165	1.06	-
2441MHz	Pass	PK	2.499G	59.70	74.00	-14.30	33.16	3	Horizontal	165	1.06	-
2441MHz	Pass	AV	2.381G	44.95	54.00	-9.05	32.69	3	Vertical	164	1.01	-
2441MHz	Pass	AV	2.441G	81.94	Inf	-Inf	32.92	3	Vertical	164	1.01	-
2441MHz	Pass	AV	2.499G	45.82	54.00	-8.18	33.16	3	Vertical	164	1.01	-
2441MHz	Pass	PK	2.3618G	58.73	74.00	-15.27	32.61	3	Vertical	164	1.01	-
2441MHz	Pass	PK	2.4406G	100.82	Inf	-Inf	32.92	3	Vertical	164	1.01	-
2441MHz	Pass	PK	2.4914G	59.77	74.00	-14.23	33.12	3	Vertical	164	1.01	-
2480MHz	Pass	AV	2.48G	80.34	Inf	-Inf	33.08	3	Horizontal	174	1.06	-
2480MHz	Pass	AV	2.4998G	45.93	54.00	-8.07	33.16	3	Horizontal	174	1.06	-
2480MHz	Pass	PK	2.4798G	98.24	Inf	-Inf	33.08	3	Horizontal	174	1.06	-
2480MHz	Pass	PK	2.495G	59.61	74.00	-14.39	33.14	3	Horizontal	174	1.06	-
2480MHz	Pass	AV	2.48G	82.15	Inf	-Inf	33.08	3	Vertical	215	1.00	-
2480MHz	Pass	PK	2.4798G	100.96	Inf	-Inf	33.08	3	Vertical	215	1.00	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3818G	45.07	54.00	-8.93	32.69	3	Horizontal	163	1.14	-
2402MHz	Pass	AV	2.402G	81.09	Inf	-Inf	32.77	3	Horizontal	163	1.14	-
2402MHz	Pass	PK	2.3598G	58.29	74.00	-15.71	32.60	3	Horizontal	163	1.14	-
2402MHz	Pass	PK	2.4018G	91.83	Inf	-Inf	32.77	3	Horizontal	163	1.14	-
2402MHz	Pass	AV	2.3818G	45.71	54.00	-8.29	32.69	3	Vertical	166	1.00	-
2402MHz	Pass	AV	2.402G	85.14	Inf	-Inf	32.77	3	Vertical	166	1.00	-
2402MHz	Pass	PK	2.379G	59.15	74.00	-14.85	32.68	3	Vertical	166	1.00	-
2402MHz	Pass	PK	2.4018G	96.86	Inf	-Inf	32.77	3	Vertical	166	1.00	-
2441MHz	Pass	AV	2.3862G	44.95	54.00	-9.05	32.71	3	Horizontal	165	1.05	-
2441MHz	Pass	AV	2.441G	84.50	Inf	-Inf	32.92	3	Horizontal	165	1.05	-
2441MHz	Pass	AV	2.4998G	45.82	54.00	-8.18	33.16	3	Horizontal	165	1.05	-
2441MHz	Pass	PK	2.3546G	58.88	74.00	-15.12	32.58	3	Horizontal	165	1.05	-
2441MHz	Pass	PK	2.4406G	96.09	Inf	-Inf	32.92	3	Horizontal	165	1.05	-
2441MHz	Pass	PK	2.4898G	59.42	74.00	-14.58	33.12	3	Horizontal	165	1.05	-
2441MHz	Pass	AV	2.3778G	44.95	54.00	-9.05	32.67	3	Vertical	165	1.00	-
2441MHz	Pass	AV	2.441G	88.05	Inf	-Inf	32.92	3	Vertical	165	1.00	-
2441MHz	Pass	AV	2.499G	45.82	54.00	-8.18	33.16	3	Vertical	165	1.00	-
2441MHz	Pass	PK	2.3626G	59.23	74.00	-14.77	32.61	3	Vertical	165	1.00	-
2441MHz	Pass	PK	2.4406G	100.39	Inf	-Inf	32.92	3	Vertical	165	1.00	-
2441MHz	Pass	PK	2.4878G	58.79	74.00	-15.21	33.11	3	Vertical	165	1.00	-
2480MHz	Pass	AV	2.48G	85.73	Inf	-Inf	33.08	3	Horizontal	175	1.05	-
2480MHz	Pass	AV	2.4998G	45.94	54.00	-8.06	33.16	3	Horizontal	175	1.05	-
2480MHz	Pass	AV	2.5G	45.93	54.00	-8.07	33.16	3	Horizontal	175	1.05	-
2480MHz	Pass	PK	2.4798G	97.58	Inf	-Inf	33.08	3	Horizontal	175	1.05	-
2480MHz	Pass	PK	2.4998G	59.70	74.00	-14.30	33.16	3	Horizontal	175	1.05	-
2480MHz	Pass	AV	2.48G	88.01	Inf	-Inf	33.08	3	Vertical	206	1.01	-
2480MHz	Pass	AV	2.5G	46.08	54.00	-7.92	33.16	3	Vertical	206	1.01	-
2480MHz	Pass	PK	2.4798G	100.37	Inf	-Inf	33.08	3	Vertical	206	1.01	-
2480MHz	Pass	PK	2.4994G	59.13	74.00	-14.87	33.16	3	Vertical	206	1.01	-

BT-BR(1Mbps)

2402MHz_TX

30/10/2017

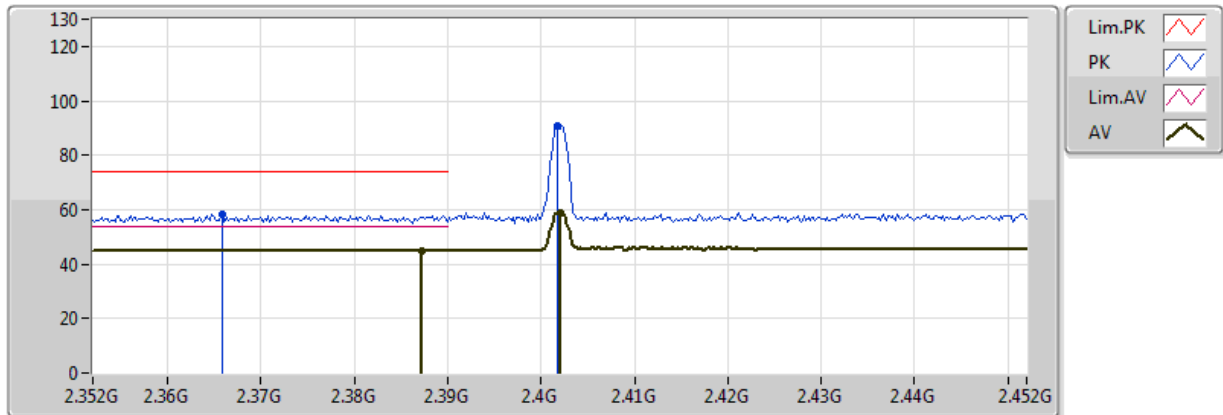


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.382G	45.19	54.00	-8.81	32.69	3	Vertical	167	1.14	-	12.50	26.97	5.72	-
AV	2.4022G	61.03	Inf	-Inf	32.77	3	Vertical	167	1.14	-	28.26	27.03	5.74	-
PK	2.3824G	58.62	74.00	-15.38	32.69	3	Vertical	167	1.14	-	25.93	26.97	5.72	-
PK	2.4016G	96.55	Inf	-Inf	32.77	3	Vertical	167	1.14	-	63.78	27.02	5.74	-

BT-BR(1Mbps)

2402MHz_TX

30/10/2017

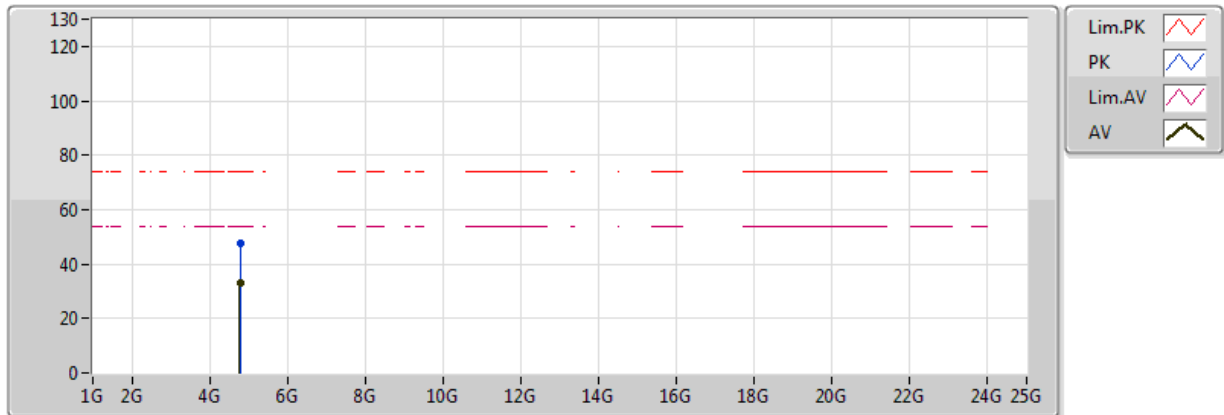


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3872G	44.93	54.00	-9.07	32.71	3	Horizontal	172	1.48	-	12.22	26.98	5.73	-
AV	2.402G	59.11	Inf	-Inf	32.77	3	Horizontal	172	1.48	-	26.34	27.03	5.74	-
PK	2.3658G	58.22	74.00	-15.78	32.63	3	Horizontal	172	1.48	-	25.59	26.92	5.70	-
PK	2.4018G	90.71	Inf	-Inf	32.77	3	Horizontal	172	1.48	-	57.95	27.03	5.74	-

BT-BR(1Mbps)

2402MHz_TX

30/10/2017

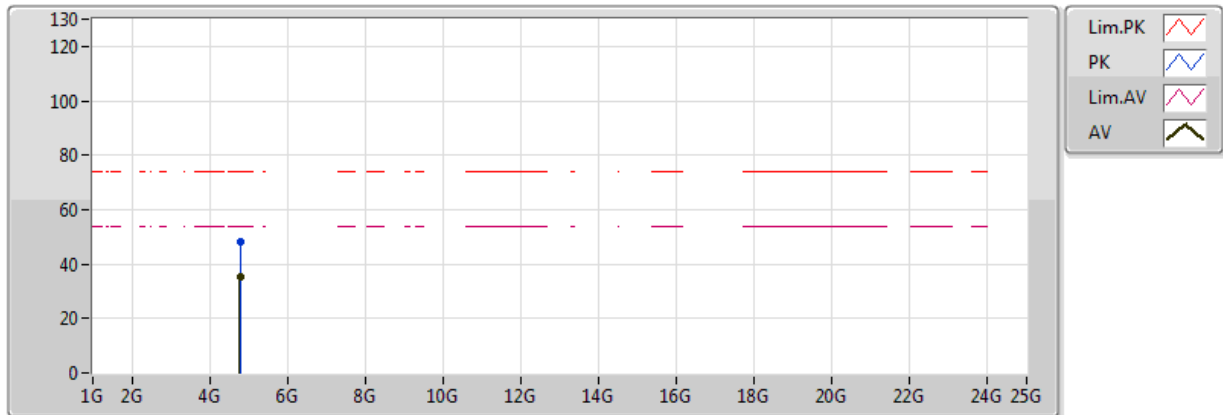


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.804G	33.25	54.00	-20.75	4.10	3	Vertical	360	1.50	-	29.15	31.19	8.08	35.17
PK	4.804G	47.66	74.00	-26.34	4.10	3	Vertical	360	1.50	-	43.56	31.19	8.08	35.17

BT-BR(1Mbps)

2402MHz_TX

30/10/2017

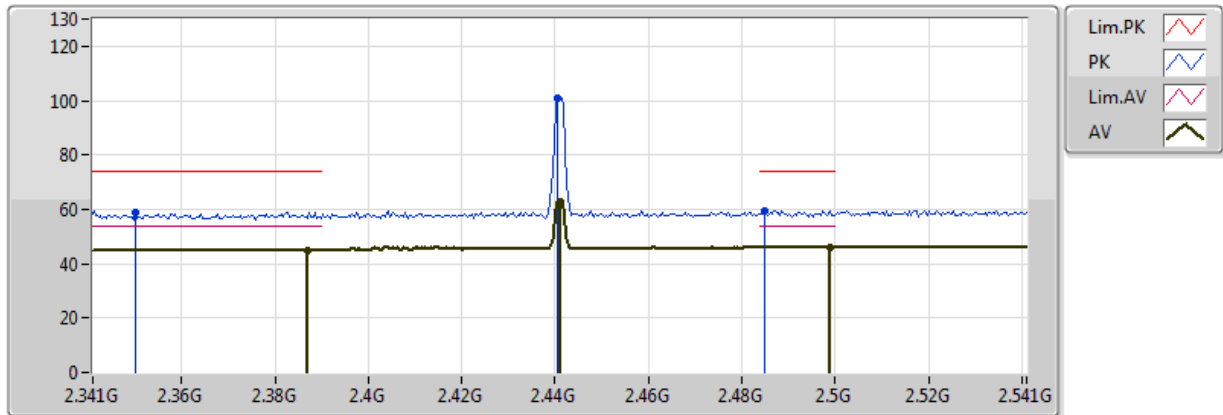


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.804G	35.43	54.00	-18.57	4.10	3	Horizontal	0	1.50	-	31.33	31.19	8.08	35.17
PK	4.804G	48.05	74.00	-25.95	4.10	3	Horizontal	0	1.50	-	43.95	31.19	8.08	35.17

BT-BR(1Mbps)

2441MHz_TX

30/10/2017

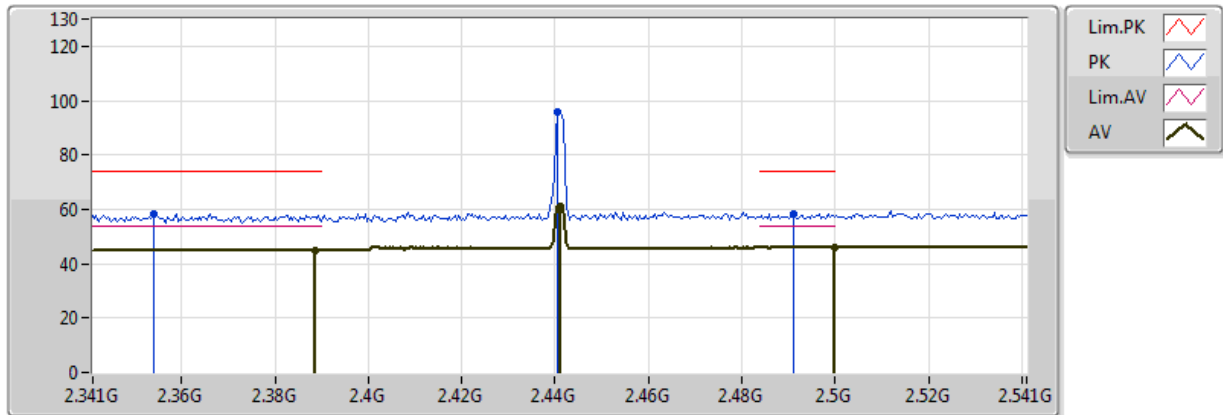


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.387G	44.98	54.00	-9.02	32.71	3	Vertical	167	1.00	-	12.27	26.98	5.73	-
AV	2.441G	62.81	Inf	-Inf	32.92	3	Vertical	167	1.00	-	29.88	27.13	5.79	-
AV	2.499G	45.79	54.00	-8.21	33.16	3	Vertical	167	1.00	-	12.63	27.30	5.86	-
PK	2.3502G	58.82	74.00	-15.18	32.57	3	Vertical	167	1.00	-	26.25	26.88	5.69	-
PK	2.4406G	101.04	Inf	-Inf	32.92	3	Vertical	167	1.00	-	68.12	27.13	5.79	-
PK	2.485G	59.61	74.00	-14.39	33.10	3	Vertical	167	1.00	-	26.51	27.26	5.84	-

BT-BR(1Mbps)

2441MHz_TX

30/10/2017

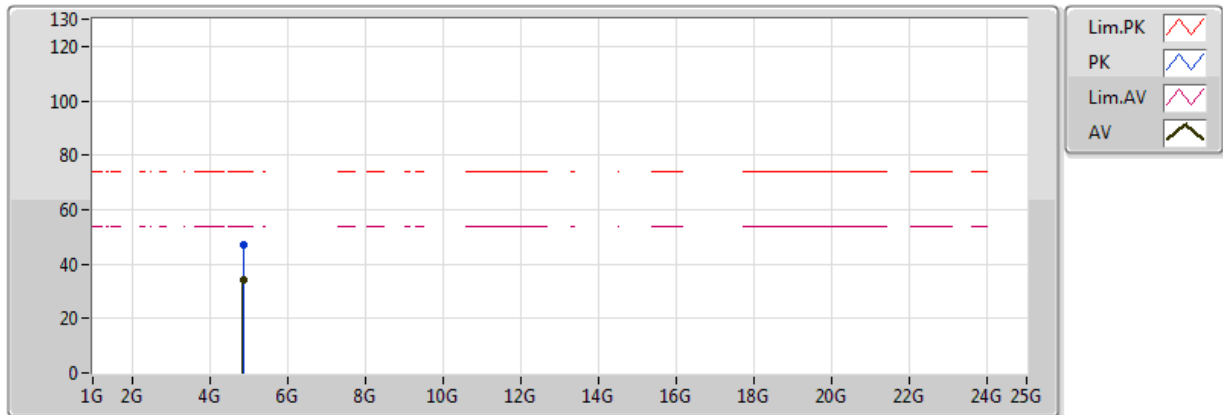


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3886G	44.97	54.00	-9.03	32.72	3	Horizontal	166	1.05	-	12.25	26.99	5.73	-
AV	2.441G	61.09	Inf	-Inf	32.92	3	Horizontal	166	1.05	-	28.17	27.13	5.79	-
AV	2.4998G	45.81	54.00	-8.19	33.16	3	Horizontal	166	1.05	-	12.65	27.30	5.86	-
PK	2.3542G	58.29	74.00	-15.71	32.58	3	Horizontal	166	1.05	-	25.71	26.89	5.69	-
PK	2.4406G	95.86	Inf	-Inf	32.92	3	Horizontal	166	1.05	-	62.94	27.13	5.79	-
PK	2.491G	58.36	74.00	-15.64	33.12	3	Horizontal	166	1.05	-	25.24	27.27	5.85	-

BT-BR(1Mbps)

2441MHz_TX

30/10/2017

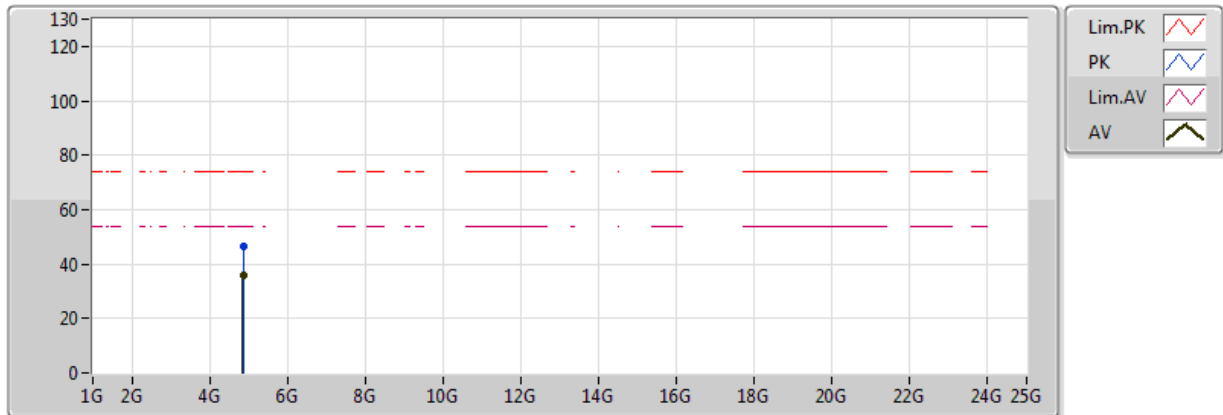


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.882G	34.05	54.00	-19.95	4.29	3	Vertical	360	1.50	-	29.75	31.31	8.18	35.19
PK	4.882G	47.15	74.00	-26.85	4.29	3	Vertical	360	1.50	-	42.86	31.31	8.18	35.19

BT-BR(1Mbps)

2441MHz_TX

30/10/2017

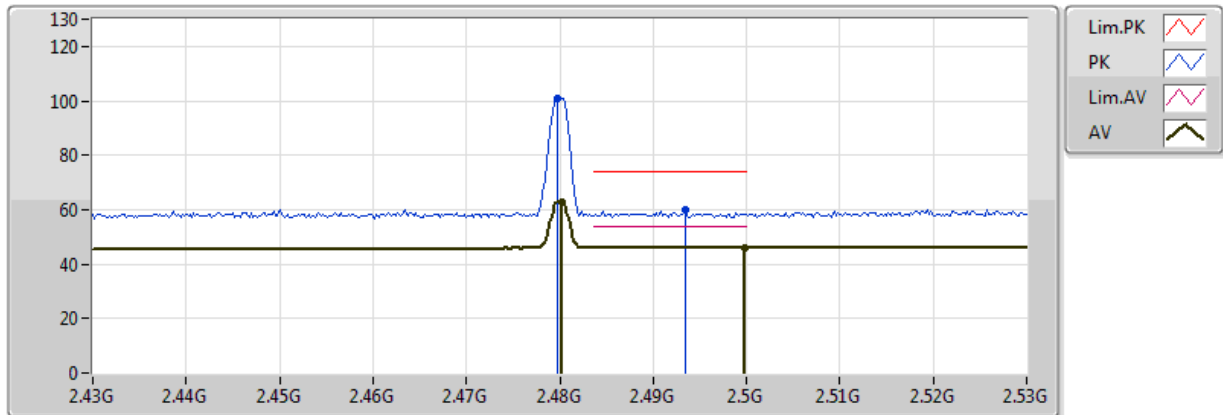


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.882G	35.85	54.00	-18.15	4.29	3	Horizontal	0	1.50	-	31.56	31.31	8.18	35.19
PK	4.882G	46.50	74.00	-27.50	4.29	3	Horizontal	0	1.50	-	42.20	31.31	8.18	35.19

BT-BR(1Mbps)

2480MHz_TX

30/10/2017

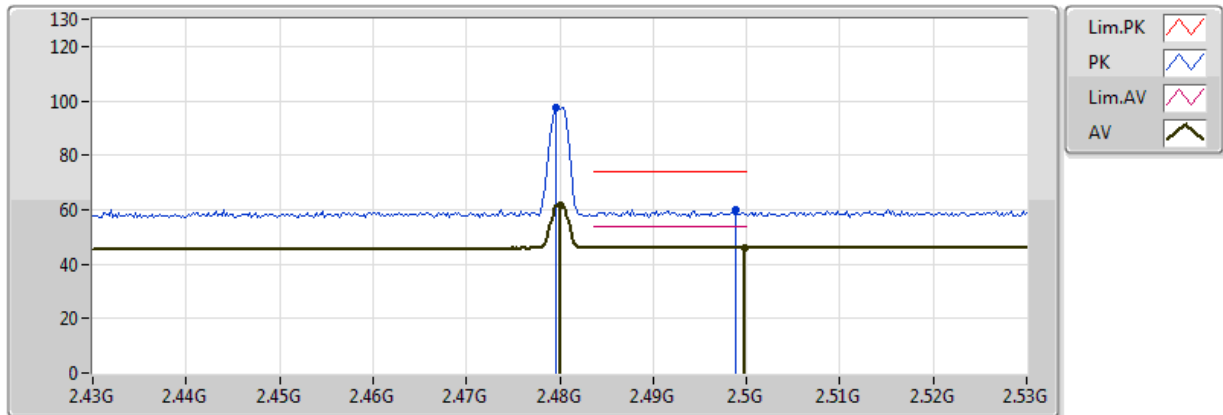


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4802G	62.92	Inf	-Inf	33.08	3	Vertical	215	1.01	-	29.84	27.24	5.84	-
AV	2.4998G	45.90	54.00	-8.10	33.16	3	Vertical	215	1.01	-	12.74	27.30	5.86	-
PK	2.4798G	100.90	Inf	-Inf	33.08	3	Vertical	215	1.01	-	67.82	27.24	5.84	-
PK	2.4934G	59.74	74.00	-14.26	33.13	3	Vertical	215	1.01	-	26.61	27.28	5.85	-

BT-BR(1Mbps)

2480MHz_TX

30/10/2017

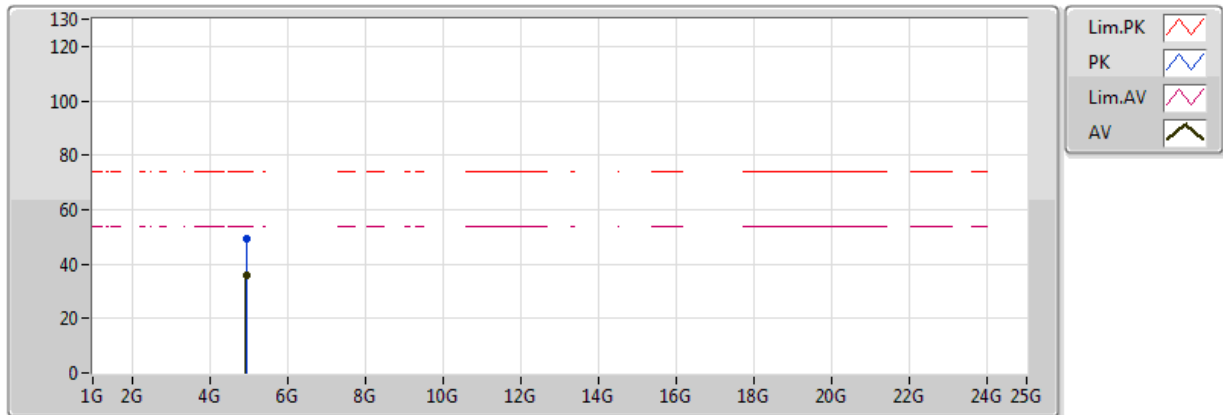


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	61.82	Inf	-Inf	33.08	3	Horizontal	175	1.05	-	28.74	27.24	5.84	-
AV	2.4998G	45.85	54.00	-8.15	33.16	3	Horizontal	175	1.05	-	12.69	27.30	5.86	-
PK	2.4796G	97.51	Inf	-Inf	33.08	3	Horizontal	175	1.05	-	64.43	27.24	5.84	-
PK	2.4988G	60.11	74.00	-13.89	33.16	3	Horizontal	175	1.05	-	26.96	27.30	5.86	-

BT-BR(1Mbps)

2480MHz_TX

30/10/2017

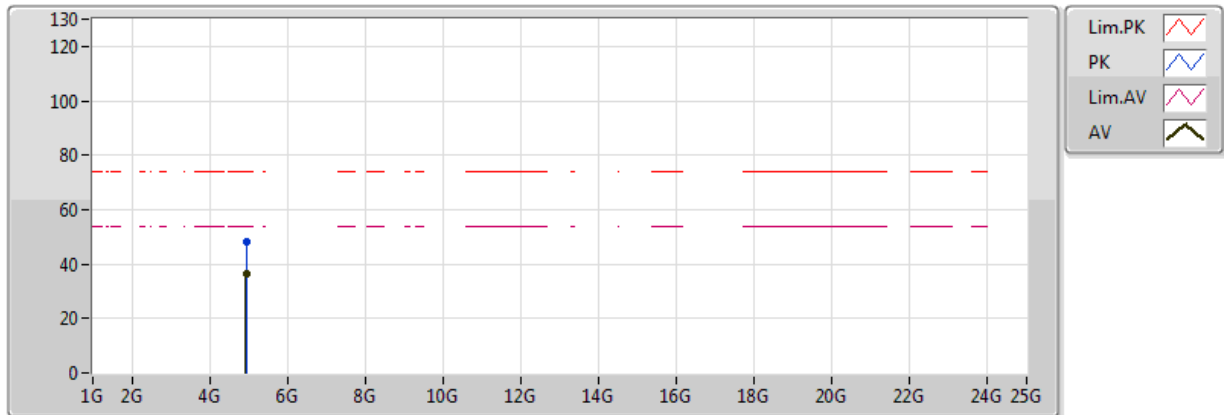


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.96G	35.89	54.00	-18.11	4.49	3	Vertical	0	1.50	-	31.40	31.44	8.27	35.21
PK	4.96G	49.11	74.00	-24.89	4.49	3	Vertical	0	1.50	-	44.62	31.44	8.27	35.21

BT-BR(1Mbps)

2480MHz_TX

30/10/2017

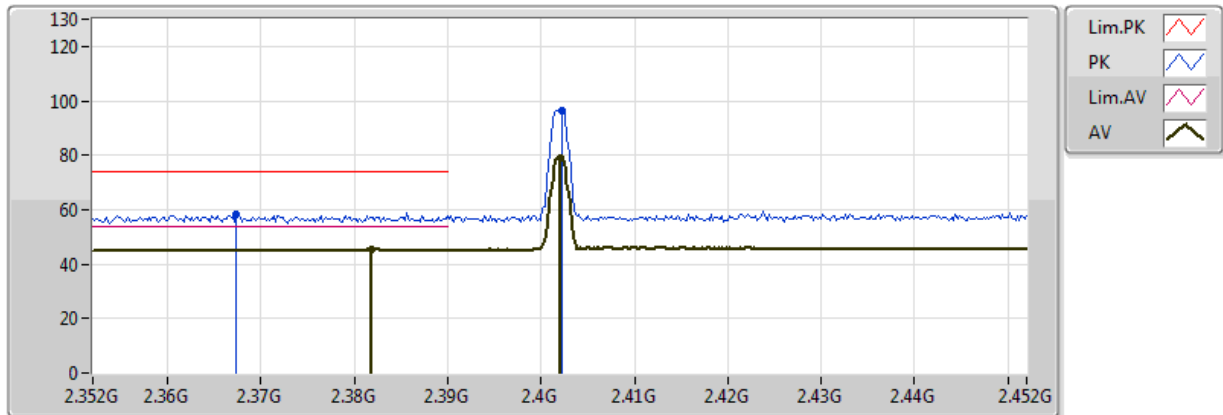


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.96G	36.60	54.00	-17.40	4.49	3	Horizontal	0	1.50	-	32.11	31.44	8.27	35.21
PK	4.96G	48.24	74.00	-25.76	4.49	3	Horizontal	0	1.50	-	43.75	31.44	8.27	35.21

BT-EDR(2Mbps)

2402MHz_TX

30/10/2017

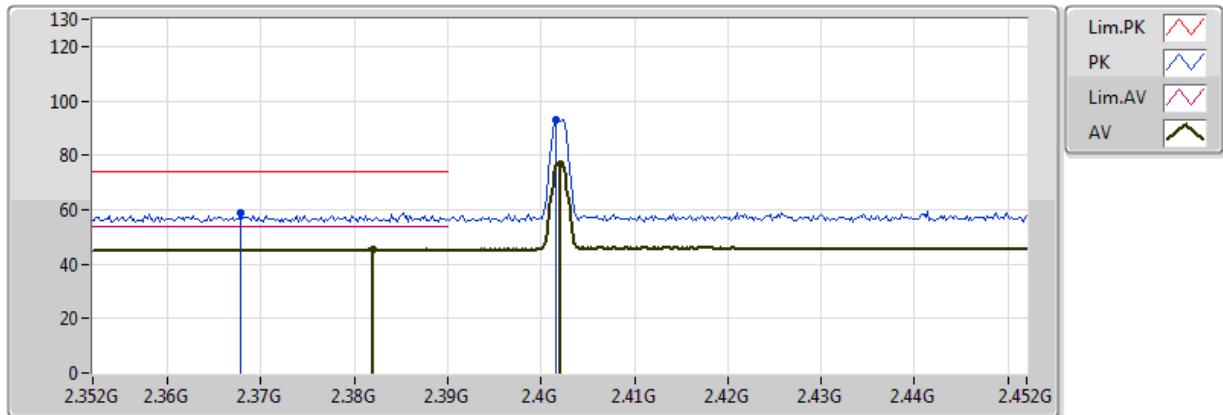


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3818G	45.53	54.00	-8.47	32.69	3	Vertical	166	1.00	-	12.84	26.97	5.72	-
AV	2.402G	78.99	Inf	-Inf	32.77	3	Vertical	166	1.00	-	46.22	27.03	5.74	-
PK	2.3674G	58.24	74.00	-15.76	32.63	3	Vertical	166	1.00	-	25.61	26.93	5.70	-
PK	2.4022G	96.63	Inf	-Inf	32.77	3	Vertical	166	1.00	-	63.86	27.03	5.74	-

BT-EDR(2Mbps)

2402MHz_TX

30/10/2017

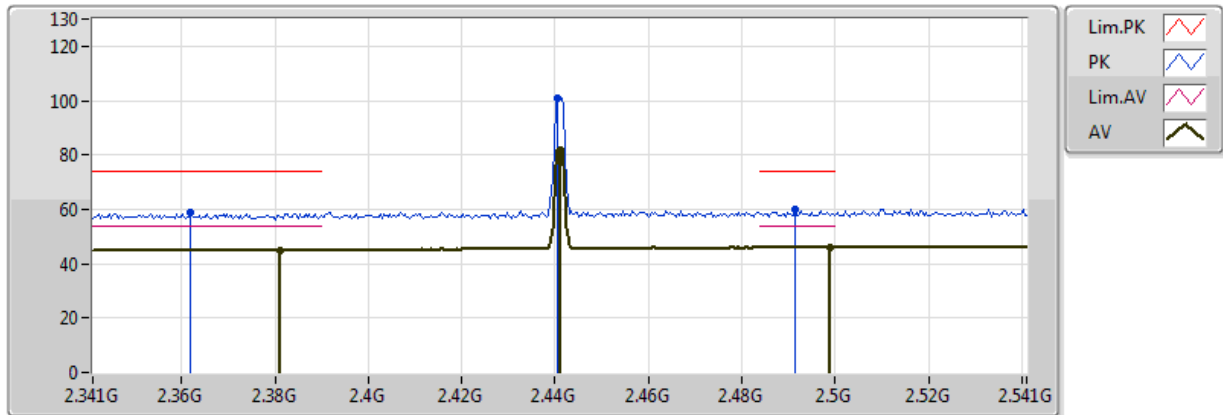


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.382G	45.18	54.00	-8.82	32.69	3	Horizontal	87	1.01	-	12.49	26.97	5.72	-
AV	2.402G	76.70	Inf	-Inf	32.77	3	Horizontal	87	1.01	-	43.93	27.03	5.74	-
PK	2.3678G	58.85	74.00	-15.15	32.63	3	Horizontal	87	1.01	-	26.22	26.93	5.70	-
PK	2.4016G	93.19	Inf	-Inf	32.77	3	Horizontal	87	1.01	-	60.42	27.02	5.74	-

BT-EDR(2Mbps)

2441MHz_TX

06/11/2017

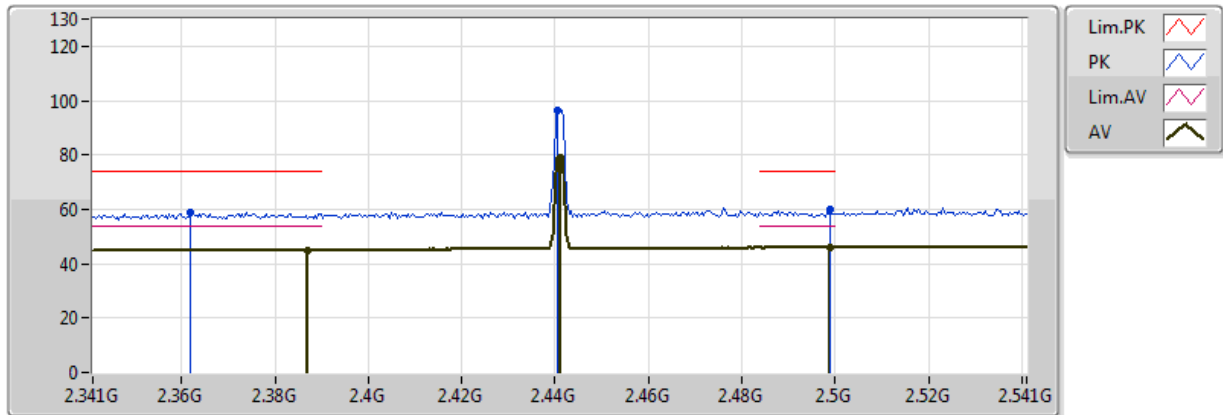


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.381G	44.95	54.00	-9.05	32.69	3	Vertical	164	1.01	-	12.26	26.97	5.72	-
AV	2.441G	81.94	Inf	-Inf	32.92	3	Vertical	164	1.01	-	49.02	27.13	5.79	-
AV	2.499G	45.82	54.00	-8.18	33.16	3	Vertical	164	1.01	-	12.66	27.30	5.86	-
PK	2.3618G	58.73	74.00	-15.27	32.61	3	Vertical	164	1.01	-	26.12	26.91	5.70	-
PK	2.4406G	100.82	Inf	-Inf	32.92	3	Vertical	164	1.01	-	67.90	27.13	5.79	-
PK	2.4914G	59.77	74.00	-14.23	33.12	3	Vertical	164	1.01	-	26.65	27.28	5.85	-

BT-EDR(2Mbps)

2441MHz_TX

06/11/2017

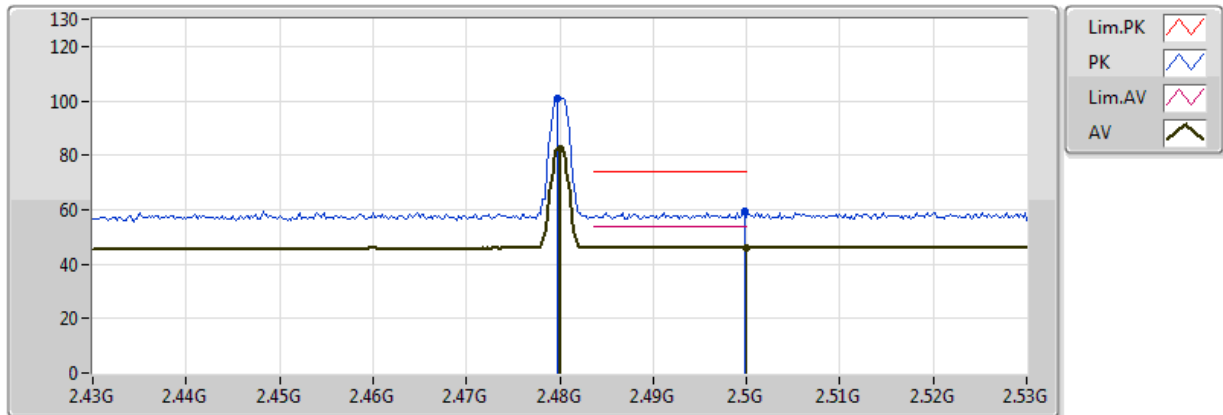


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.387G	44.94	54.00	-9.06	32.71	3	Horizontal	165	1.06	-	12.23	26.98	5.73	-
AV	2.441G	78.95	Inf	-Inf	32.92	3	Horizontal	165	1.06	-	46.03	27.13	5.79	-
AV	2.499G	45.81	54.00	-8.19	33.16	3	Horizontal	165	1.06	-	12.66	27.30	5.86	-
PK	2.3618G	58.85	74.00	-15.15	32.61	3	Horizontal	165	1.06	-	26.24	26.91	5.70	-
PK	2.4406G	96.38	Inf	-Inf	32.92	3	Horizontal	165	1.06	-	63.46	27.13	5.79	-
PK	2.499G	59.70	74.00	-14.30	33.16	3	Horizontal	165	1.06	-	26.54	27.30	5.86	-

BT-EDR(2Mbps)

2480MHz_TX

30/10/2017

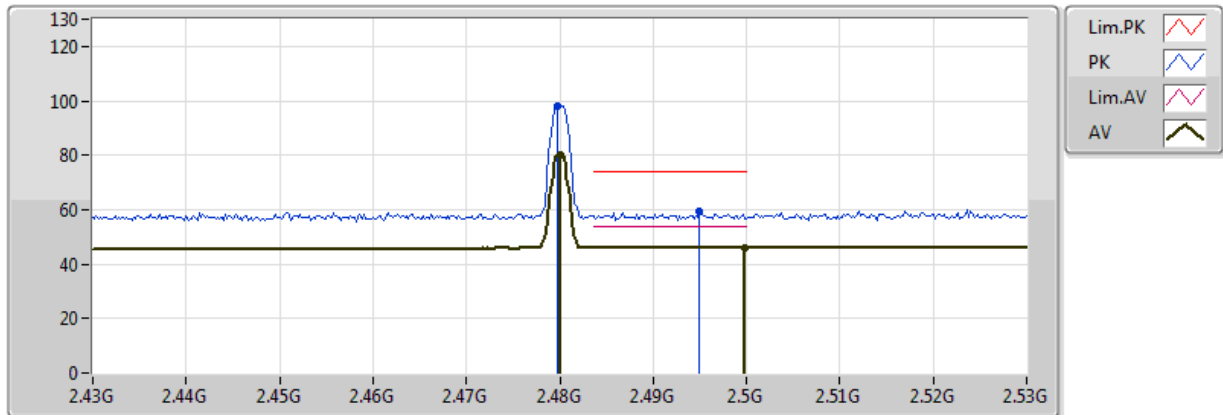


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	82.15	Inf	-Inf	33.08	3	Vertical	215	1.00	-	49.07	27.24	5.84	-
AV	2.5G	46.08	54.00	-7.92	33.16	3	Vertical	215	1.00	-	12.92	27.30	5.86	-
PK	2.4798G	100.96	Inf	-Inf	33.08	3	Vertical	215	1.00	-	67.88	27.24	5.84	-
PK	2.4998G	59.22	74.00	-14.78	33.16	3	Vertical	215	1.00	-	26.06	27.30	5.86	-

BT-EDR(2Mbps)

2480MHz_TX

30/10/2017

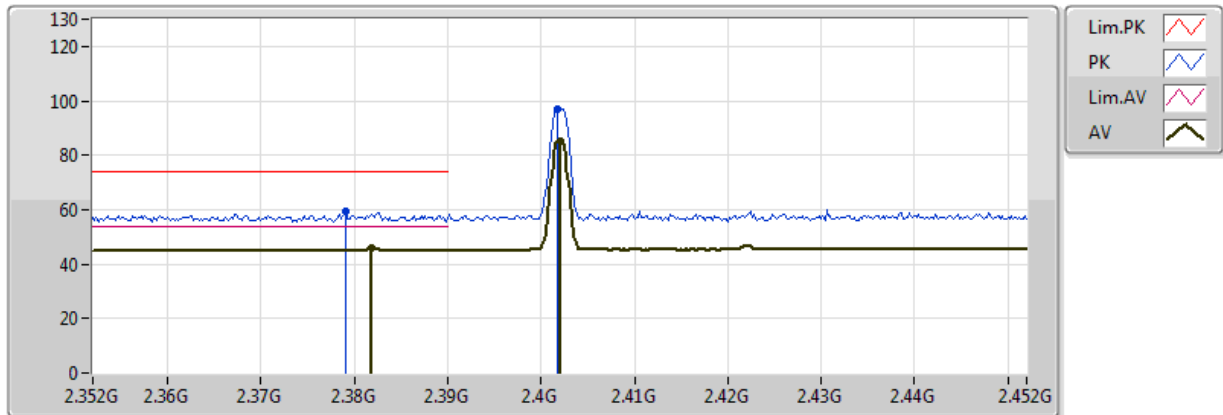


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	80.34	Inf	-Inf	33.08	3	Horizontal	174	1.06	-	47.26	27.24	5.84	-
AV	2.4998G	45.93	54.00	-8.07	33.16	3	Horizontal	174	1.06	-	12.77	27.30	5.86	-
PK	2.4798G	98.24	Inf	-Inf	33.08	3	Horizontal	174	1.06	-	65.17	27.24	5.84	-
PK	2.495G	59.61	74.00	-14.39	33.14	3	Horizontal	174	1.06	-	26.47	27.29	5.85	-

BT-EDR(3Mbps)

2402MHz_TX

30/10/2017

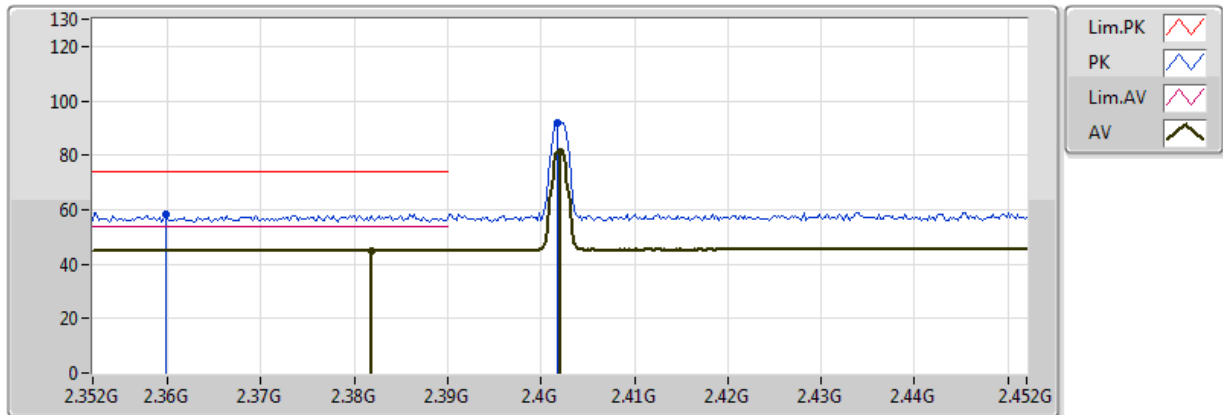


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3818G	45.71	54.00	-8.29	32.69	3	Vertical	166	1.00	-	13.02	26.97	5.72	-
AV	2.402G	85.14	Inf	-Inf	32.77	3	Vertical	166	1.00	-	52.37	27.03	5.74	-
PK	2.379G	59.15	74.00	-14.85	32.68	3	Vertical	166	1.00	-	26.47	26.96	5.72	-
PK	2.4018G	96.86	Inf	-Inf	32.77	3	Vertical	166	1.00	-	64.10	27.03	5.74	-

BT-EDR(3Mbps)

2402MHz_TX

30/10/2017

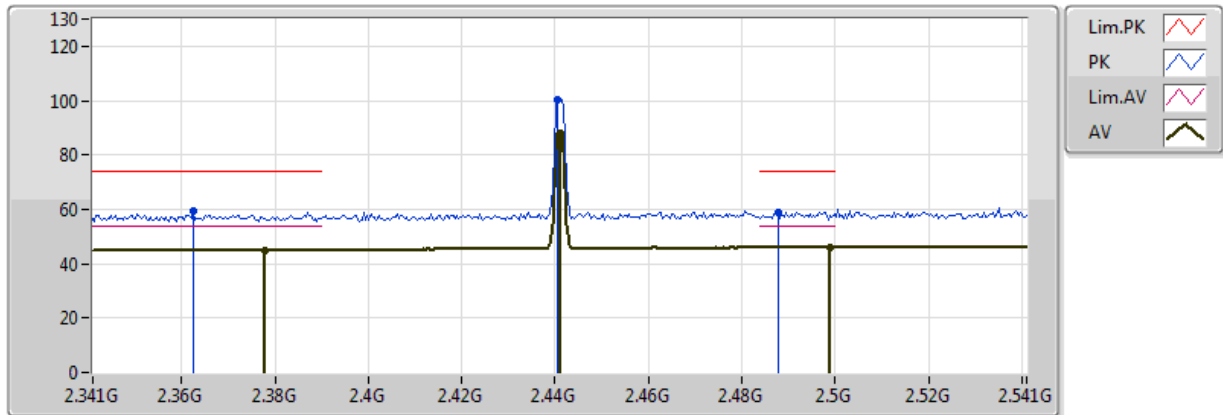


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3818G	45.07	54.00	-8.93	32.69	3	Horizontal	163	1.14	-	12.38	26.97	5.72	-
AV	2.402G	81.09	Inf	-Inf	32.77	3	Horizontal	163	1.14	-	48.32	27.03	5.74	-
PK	2.3598G	58.29	74.00	-15.71	32.60	3	Horizontal	163	1.14	-	25.69	26.91	5.70	-
PK	2.4018G	91.83	Inf	-Inf	32.77	3	Horizontal	163	1.14	-	59.06	27.03	5.74	-

BT-EDR(3Mbps)

2441MHz_TX

30/10/2017

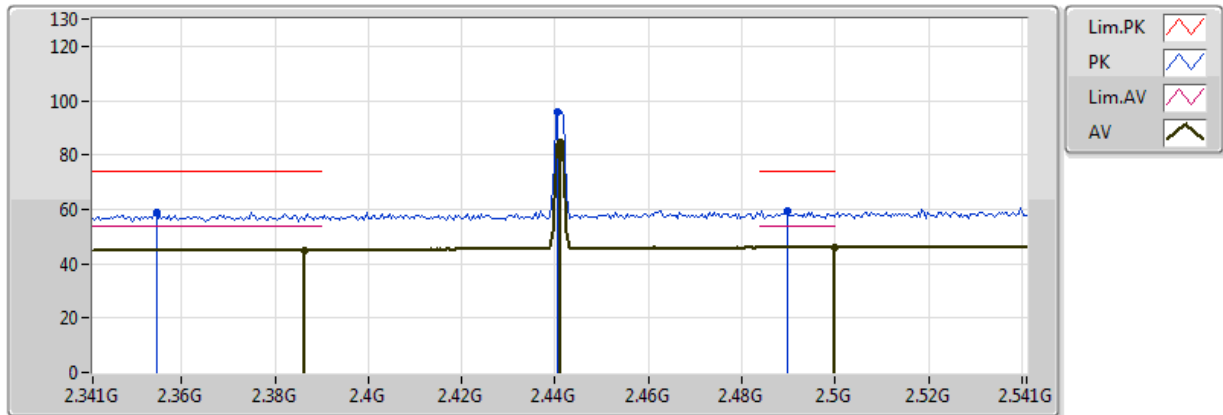


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3778G	44.95	54.00	-9.05	32.67	3	Vertical	165	1.00	-	12.28	26.96	5.72	-
AV	2.441G	88.05	Inf	-Inf	32.92	3	Vertical	165	1.00	-	55.12	27.13	5.79	-
AV	2.499G	45.82	54.00	-8.18	33.16	3	Vertical	165	1.00	-	12.66	27.30	5.86	-
PK	2.3626G	59.23	74.00	-14.77	32.61	3	Vertical	165	1.00	-	26.62	26.92	5.70	-
PK	2.4406G	100.39	Inf	-Inf	32.92	3	Vertical	165	1.00	-	67.47	27.13	5.79	-
PK	2.4878G	58.79	74.00	-15.21	33.11	3	Vertical	165	1.00	-	25.68	27.27	5.85	-

BT-EDR(3Mbps)

2441MHz_TX

30/10/2017

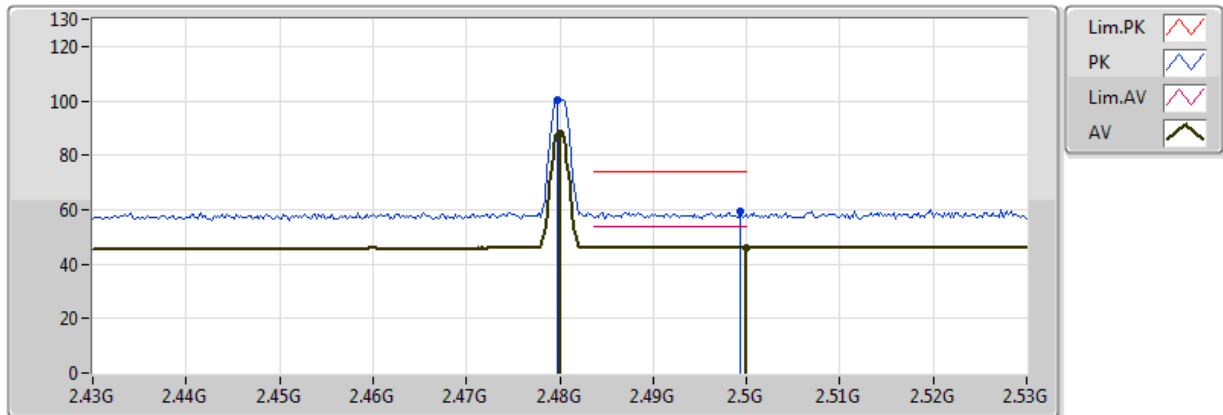


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3862G	44.95	54.00	-9.05	32.71	3	Horizontal	165	1.05	-	12.24	26.98	5.72	-
AV	2.441G	84.50	Inf	-Inf	32.92	3	Horizontal	165	1.05	-	51.57	27.13	5.79	-
AV	2.4998G	45.82	54.00	-8.18	33.16	3	Horizontal	165	1.05	-	12.66	27.30	5.86	-
PK	2.3546G	58.88	74.00	-15.12	32.58	3	Horizontal	165	1.05	-	26.30	26.89	5.69	-
PK	2.4406G	96.09	Inf	-Inf	32.92	3	Horizontal	165	1.05	-	63.17	27.13	5.79	-
PK	2.4898G	59.42	74.00	-14.58	33.12	3	Horizontal	165	1.05	-	26.30	27.27	5.85	-

BT-EDR(3Mbps)

2480MHz_TX

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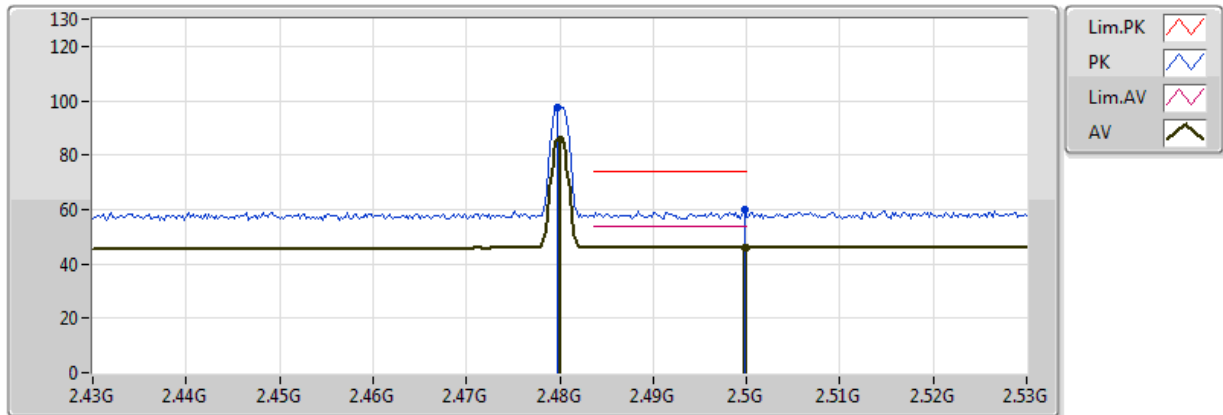


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	88.01	Inf	-Inf	33.08	3	Vertical	206	1.01	-	54.93	27.24	5.84	-
AV	2.5G	46.08	54.00	-7.92	33.16	3	Vertical	206	1.01	-	12.92	27.30	5.86	-
PK	2.4798G	100.37	Inf	-Inf	33.08	3	Vertical	206	1.01	-	67.29	27.24	5.84	-
PK	2.4994G	59.13	74.00	-14.87	33.16	3	Vertical	206	1.01	-	25.97	27.30	5.86	-

BT-EDR(3Mbps)

2480MHz_TX

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Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.48G	85.73	Inf	-Inf	33.08	3	Horizontal	175	1.05	-	52.65	27.24	5.84	-
AV	2.4998G	45.94	54.00	-8.06	33.16	3	Horizontal	175	1.05	-	12.78	27.30	5.86	-
AV	2.5G	45.93	54.00	-8.07	33.16	3	Horizontal	175	1.05	-	12.77	27.30	5.86	-
PK	2.4798G	97.58	Inf	-Inf	33.08	3	Horizontal	175	1.05	-	64.50	27.24	5.84	-
PK	2.4998G	59.70	74.00	-14.30	33.16	3	Horizontal	175	1.05	-	26.54	27.30	5.86	-