

FCC Test Report

Equipment : 802.11abgn Bluetooth Mini PCIe module
Brand Name : Fukuda Denshi
Model No. : WPEA-251N(BT)
FCC ID : RFH-DS101WIFI
Standard : 47 CFR FCC Part 15.247
RF Specification : Bluetooth BR/EDR
Frequency : 2400 MHz – 2483.5 MHz
FCC Classification : DSS
Applicant : IEI Integration Corp.
No. 29, Chung-Hsing Rd., Sijhih City,
New Taipei City 221, Taiwan (R.O.C.)
Manufacturer : SparkLAN Communications, Inc.
8F., No. 257, Sec. 2, Tiding Blvd., Neihu District,
Taipei 11493, Taiwan

The product sample received on Jan. 06, 2017 and completely tested on Jan. 21, 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.

Reviewed by:


Phoenix Chen / Assistant Manager

Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Testing Applied Standards	6
1.3	Testing Location Information	7
1.4	Measurement Uncertainty	7
2	TEST CONFIGURATION OF EUT.....	8
2.1	Test Condition	8
2.2	Test Channel Mode	8
2.3	The Worst Case Measurement Configuration.....	9
2.4	Support Equipment.....	10
2.5	Test Setup Diagram	11
3	TRANSMITTER TEST RESULT	12
3.1	AC Power-line Conducted Emissions	12
3.2	20dB Bandwidth and Carrier Frequency Separation.....	13
3.3	Number of Hopping Frequencies	14
3.4	Time of Occupancy (Dwell Time)	15
3.5	RF Output Power.....	16
3.6	Emissions in Non-restricted Frequency Bands	18
3.7	Emissions in Restricted Frequency Bands.....	20
4	TEST EQUIPMENT AND CALIBRATION DATA	24
APPENDIX A. TEST RESULT OF AC POWER-LINE CONDUCTED EMISSIONS		
APPENDIX B. TEST RESULT OF EMISSION BANDWIDTH & CHANNEL SEPARATION		
APPENDIX C. TEST RESULT OF HOPPING NUMBER & DWELL TIME		
APPENDIX D. TEST RESULT OF MAXIMUM CONDUCTED OUTPUT POWER		
APPENDIX E. TEST RESULT OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS		
APPENDIX F. TEST RESULT OF EMISSIONS IN RESTRICTED FREQUENCY BANDS		
APPENDIX G. TEST PHOTOS		
PHOTOGRAPHS OF EUT v01		

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	N/A	Complied
3.2	15.247(a)	Carrier Frequency Separation (ChS)	$ChS \geq BW_{20dB} \times 2/3$	Complied
3.3	15.247(a)	Number of Hopping Frequencies (N)	$N \geq 15$	Complied
3.4	15.247(a)	Time of Occupancy (Dwell Time)	0.4 s within 0.4 x N	Complied
3.5	15.247(b)	RF Output Power	Power [dBm] BR:21 EDR:21	Complied
3.6	15.247(d)	Emissions in Non-restricted Frequency Bands	Non-Restricted Bands: > 20 dBc	Complied
3.7	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied



SPORTON INTERNATIONAL INC.
TEL : 886-3-327-3456
FAX : 886-3-327-0973

1 General Description

1.1 Information

1.1.1 RF General Information

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

Antenna Category	
☒	Integral antenna (antenna permanently attached)
☒	Temporary RF connector provided
☐	No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.
☐	External antenna (dedicated antennas)
☐	Single power level with corresponding antenna(s).
☐	Multiple power level and corresponding antenna(s).

Antenna General Information			
No.	Ant. Cat.	Ant. Type	Gain (dBi)
1	Integral	PIFA	2

1.1.3 Type of EUT

Identify EUT	
EUT Serial Number	N/A
HW Version	v1.0
SW Version	v1.0
Presentation of Equipment	☐ Production ; ☒ Pre-Production ; ☐ Prototype
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.: Fukuda Denshi / DS-101
☐	Other:

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
BT-BR(1Mbps)	0.787	1.04	2.899m	1k
BT-EDR(2Mbps)	0.787	1.04	2.904m	1k
BT-EDR(3Mbps)	0.788	1.035	2.905m	1k

1.1.5 EUT Operational Condition

Supply Voltage	☒ AC mains	☐ DC	
Type of DC Source	☒ External AC adapter	☐ From Host System	☐ Battery

1.1.6 EUT Operate Information

Items	Description	
Operate Condition	☒ Point-to-multipoint (P2M)	☐ Point-to-point (P2P)

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

47 CFR FCC Part 15

ANSI C63.10-2013

ANSI C63.4-2014

Public Notice DA 00-705

1.3 Testing Location Information

Testing Location				
☒	HWA YA	ADD :	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.	
		TEL :	886-3-327-3456	FAX : 886-3-327-0973
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Ryan	22.2°C / 51.8%	20/Jan/2017
RF Conducted	TH01-HY	Lisa	23.8°C / 64.5%	19/Jan/2017
Radiated	03CH09-HY	Terry	22.2°C / 51.8%	21/Jan/2017

Test site registered number [553509] with FCC.

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))

Measurement Uncertainty		
Test Item		Uncertainty
AC power-line conducted emissions		±2.3 dB
Emission bandwidth, 6dB bandwidth		±0.6 %
RF output power, conducted		±0.1 dB
Power density, conducted		±0.6 dB
Unwanted emissions, conducted	9 – 150 kHz	±0.4 dB
	0.15 – 30 MHz	±0.4 dB
	30 – 1000 MHz	±0.6 dB
	1 – 18 GHz	±0.5 dB
	18 – 40 GHz	±0.5 dB
	40 – 200 GHz	N/A
All emissions, radiated	9 – 150 kHz	±2.5 dB
	0.15 – 30 MHz	±2.3 dB
	30 – 1000 MHz	±2.6 dB
	1 – 18 GHz	±3.6 dB
	18 – 40 GHz	±3.8 dB
	40 – 200 GHz	N/A
Temperature		±0.8 °C
Humidity		±5 %
DC and low frequency voltages		±0.9%
Time		±1.4 %
Duty Cycle		±0.6 %

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software Version	BtUSB_V18.12.12
-----------------------	-----------------

Mode	Power Setting
BT-BR(1Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4
BT-EDR(2Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4
BT-EDR(3Mbps)	-
2402MHz	4
2440MHz	4
2480MHz	4

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 Test Voltage: 120Vac / 60Hz
Operating Mode	Operating Mode Description
1	Adapter Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	RF Output Power, 20dB Bandwidth, Carrier Frequency Separation (ChS), Number of Hopping Frequencies (N), 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		
User Position	☐ EUT will be placed in fixed position.		
	☒ EUT will be placed in mobile position and operating multiple positions.		
	☐ EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions.		
Operating Mode	☒ 1. Adapter Mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

2.4 Support Equipment

Support Equipment - RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Patient Monitor	IEI	DS-101	-
2	AC adapter for Patient Monitor	-	EM10683G	-

Note: Support equipment No.1 and No.2 were provided by customer.

Support Equipment - AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Patient Monitor	IEI	DS-101	-
2	AC adapter for Patient Monitor	-	EM10683G	-
3	Mouse	Microsoft	1004	R33057
4	iPod	APPLE	A1051	DoC
5	Wireless AP (Remote)	BUFFALO	WHR-HP-G54	DoC
6	BLUETOOTH HEADSET (Remote)	Sony Ericsson	Z354 (HBH-PV702)	PY7DDA-2006

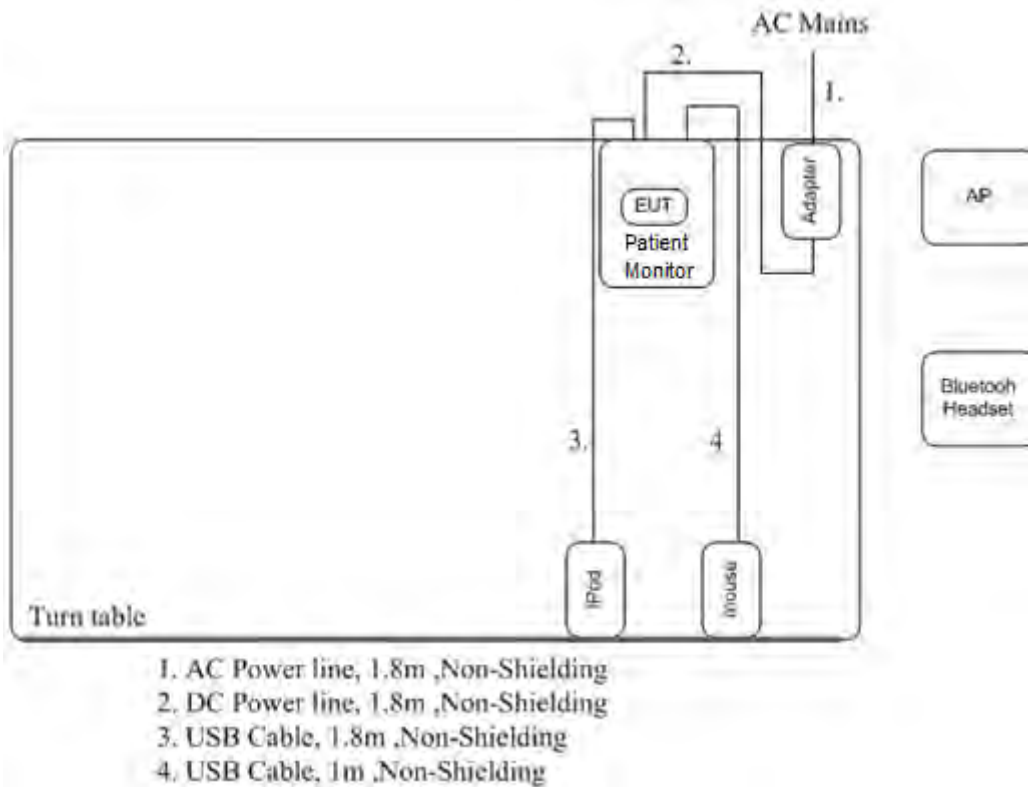
Note: Support equipment No.1 and No.2 were provided by customer.

Support Equipment - Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Patient Monitor	IEI	DS-101	-
2	AC adapter for Patient Monitor	-	EM10683G	-

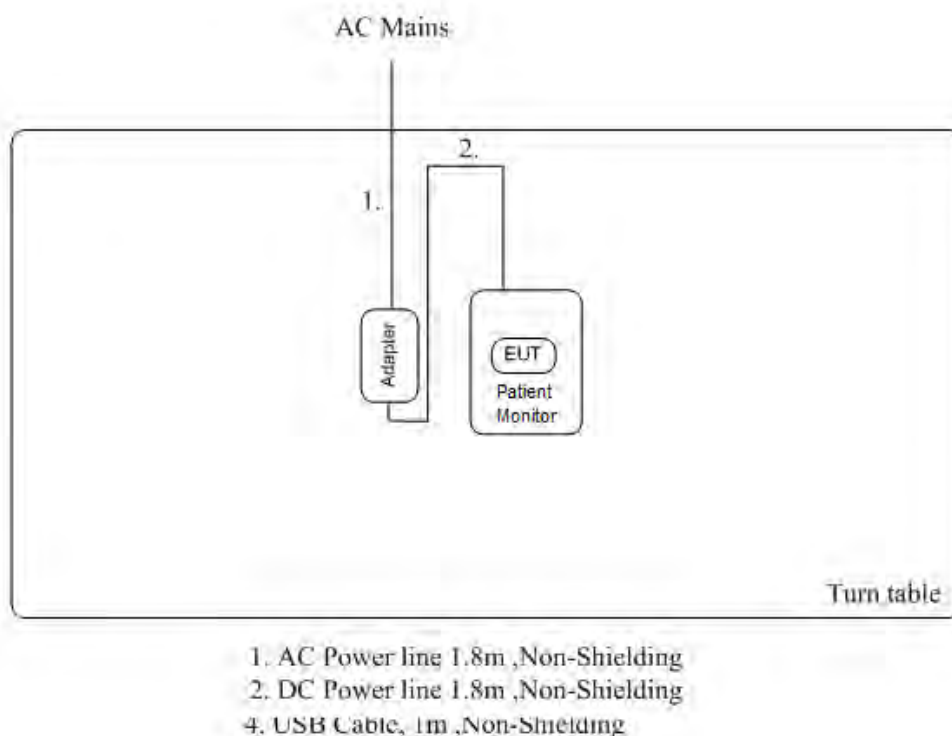
Note: Support equipment No.1 and No.2 were provided by customer.

2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Test Setup Diagram - Radiated Test



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

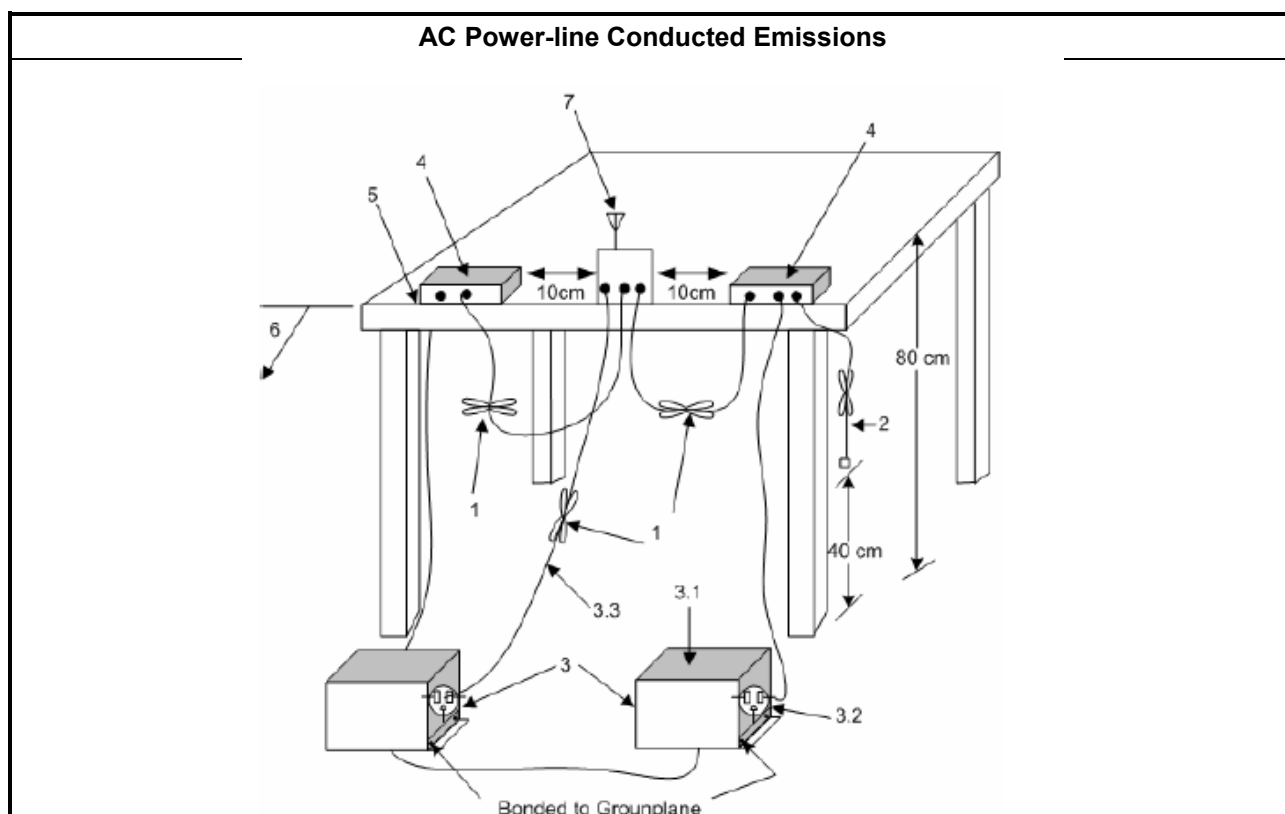
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 20dB Bandwidth and Carrier Frequency Separation

3.2.1 20dB Bandwidth and Carrier Frequency Separation Limit

20dB Bandwidth and Carrier Frequency Separation Limit for Frequency Hopping Systems	
☒	2400-2483.5 MHz Band:
☐	$N \geq 75$ and ChS $\geq$ MAX (20 dB bandwidth, 25 kHz).
☒	$N \geq 15$ and ChS $\geq$ MAX (20 dB bandwidth x 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

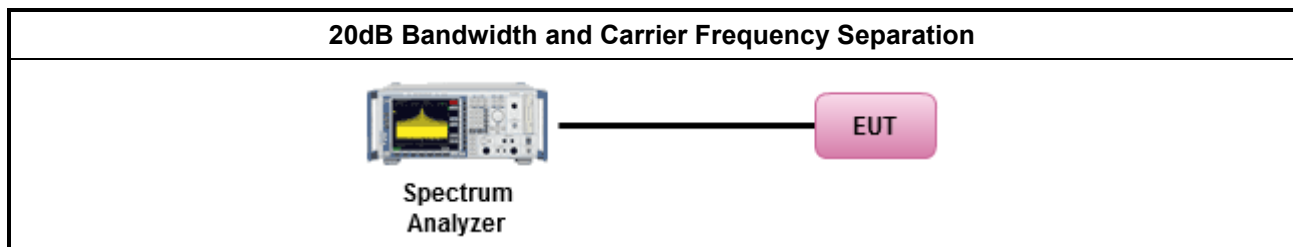
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
☒	Refer as ANSI C63.10, clause 6.9.2 for 20 dB bandwidth measurement.
☒	Refer as ANSI C63.10, clause 7.8.2 for carrier frequency separation measurement.
☒	For conducted measurement.
☒	The EUT supports single transmit chain and measurements performed on this transmit chain.
☐	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.

3.2.4 Test Setup



3.2.5 Test Result of 20dB Bandwidth and Carrier Frequency Separation

Refer as Appendix B

3.3 Number of Hopping Frequencies

3.3.1 Number of Hopping Frequencies Limit

Number of Hopping Frequencies Limit for Frequency Hopping Systems	
☒	2400-2483.5 MHz Band:
☐	$N \geq 75$ and ChS $\geq$ MAX (20 dB bandwidth, 25 kHz).
☒	$N \geq 15$ and ChS $\geq$ MAX (20 dB bandwidth x 2/3, 25 kHz).
N: Number of Hopping Frequencies; ChS: Hopping Channel Separation	

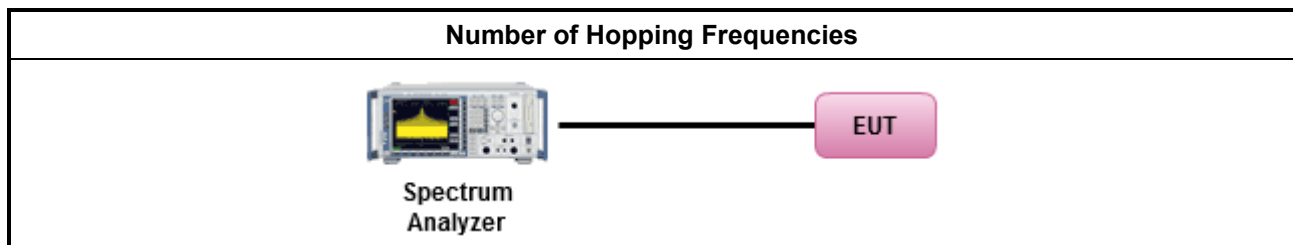
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
☒	Refer as ANSI C63.10, clause 7.8.3 for number of hopping frequencies measurement.
☒	For conducted measurement.
☒	The EUT supports single transmit chain and measurements performed on this transmit chain.
☐	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.

3.3.4 Test Setup



3.3.5 Test Result of Number of Hopping Frequencies

Refer as Appendix C

3.4 Time of Occupancy (Dwell Time)

3.4.1 Time of Occupancy (Dwell Time) Limit

Time of Occupancy (Dwell Time) Limit for Frequency Hopping Systems	
☒	2400-2483.5 MHz Band: Dwell time ≤ 0.4 second within $0.4 \times N$
N: Number of Hopping Frequencies	

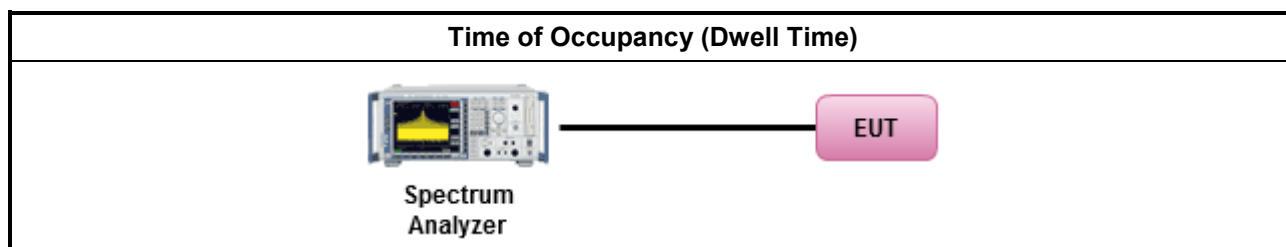
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
☒	Refer as DA-00-705 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 DH1 packet can cover a single time slot. A maximum length packet has duration of 1 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is $1/1600$ seconds, or 0.625ms. DH1 Packet permit maximum $1600 / 79 / 2 = 10.12$ hops per second in each channel (1 time slot RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times $10.12 \times 31.6 = 320$ within 31.6 seconds.
☒	The DH3 packet can cover up to 3 time slots. A maximum length packet has duration of 3 time slots. The hopping rate is 1600 hops/second so the maximum dwell time is $3/1600$ seconds, or 1.875ms. DH3 Packet permit maximum $1600 / 79 / 4 = 5.06$ hops per second in each channel (3 time slots TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times $5.06 \times 31.6 = 160$ within 31.6 seconds.
☒	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 (5 time slots TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times $3.37 \times 31.6 = 106.6$ within 31.6 seconds
☒	For conducted measurement.
☒	The EUT supports single transmit chain and measurements performed on this transmit chain.
☐	The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.

3.4.4 Test Setup



3.4.5 Test Result of Time of Occupancy (Dwell Time)

Refer as Appendix C

3.5 RF Output Power

3.5.1 RF Output Power Limit

RF Output Power Limit for Frequency Hopping Systems	
Maximum Peak Conducted Output Power Limit	
☒ 2400-2483.5 MHz Band:	
	☐ For Hopping Channel: $N \geq 75$
	☐ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	☐ If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	☒ For Hopping Channel: $N \geq 15$
	☒ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 21$ dBm (0.125 W)
	☐ If $G_{TX} > 6$ dBi, then $P_{Out} = 21 - (G_{TX} - 6)$ dBm
e.i.r.p. Power Limit:	
☒ 2400-2483.5 MHz Band:	
	☐ For Hopping Channel: $N \geq 75 - P_{eirp} \leq 36$ dBm (4 W)
	☒ For Hopping Channel: $N \geq 15 - P_{eirp} \leq 27$ dBm (0.5 W)
G_{TX} = the maximum transmitting antenna directional gain in dBi. P_{eirp} = e.i.r.p. Power in dBm. N: Number of Hopping Frequencies ChS: Hopping Channel Separation	

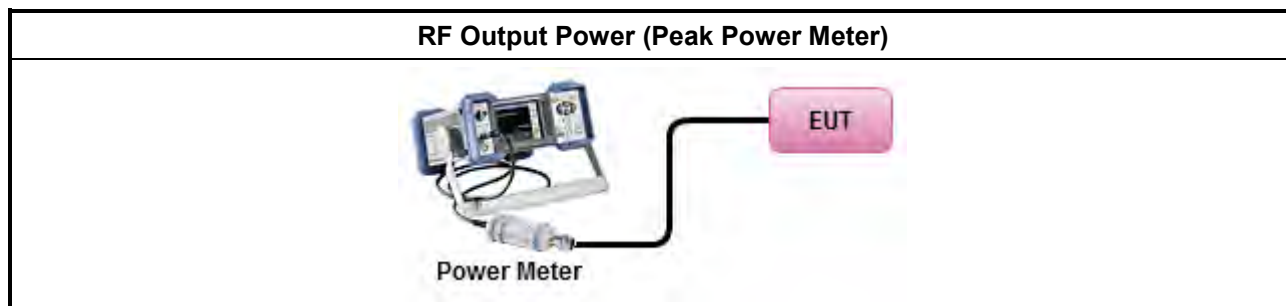
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
☒ Maximum Peak Conducted Output Power	
	☐ Refer as DA 00-705, spectrum analyzer for peak power.
	☒ Refer as DA 00-705, peak power meter for peak power.
	☐ Refer as ANSI C63.10, clause 11.9.1.3) for peak power meter.
	☐ Refer as ANSI C63.10, clause 11.9.1.1) for spectrum analyzer - (RBW $\geq$ EBW).
☒ For conducted measurement.	
	☒ The EUT supports single transmit chain and measurements performed on this transmit chain.
	☐ The EUT supports diversity transmitting and the results on transmit chain port 1 is the worst case.

3.5.4 Test Setup



3.5.5 Test Result of Maximum Conducted Output Power

Refer as Appendix D

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
Average output power procedure	30
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. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

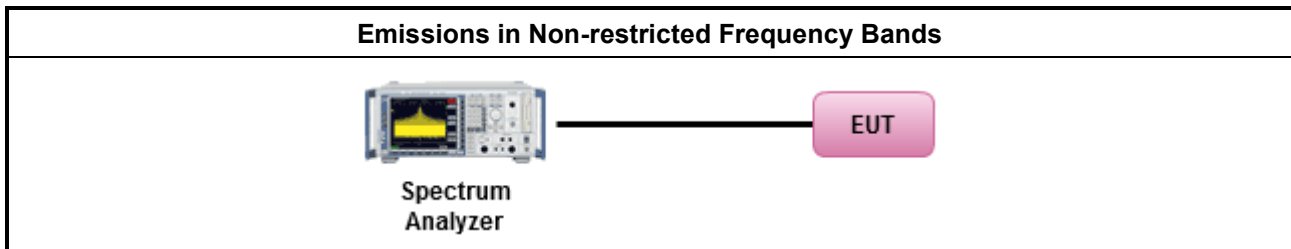
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method – General Information	
☒	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
☒	Refer as ANSI C63.10, clause 6.10.3 bandedge 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:
☒	For unwanted emissions into non-restricted bands. 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.
☒	For unwanted emissions into restricted bands.
☒	Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
☐	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.
☒	Refer as ANSI C63.10, clause 11.11.3 measurement procedure peak limit.
☒	For the transmitter bandedge emissions shall be measured using following options below:
☒	Refer as ANSI C63.10, clause 6.10 for band-edge testing.
☐	Refer as ANSI C63.10, clause 6.10.6.2 for marker-delta method for band-edge measurements.
☒	Refer as ANSI C63.10, clause 7.8.6 for band-edge testing into non-restricted bands.
☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions and test distance is 3m.

3.6.4 Test Setup



3.6.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

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.

3.7.2 Measuring Instruments

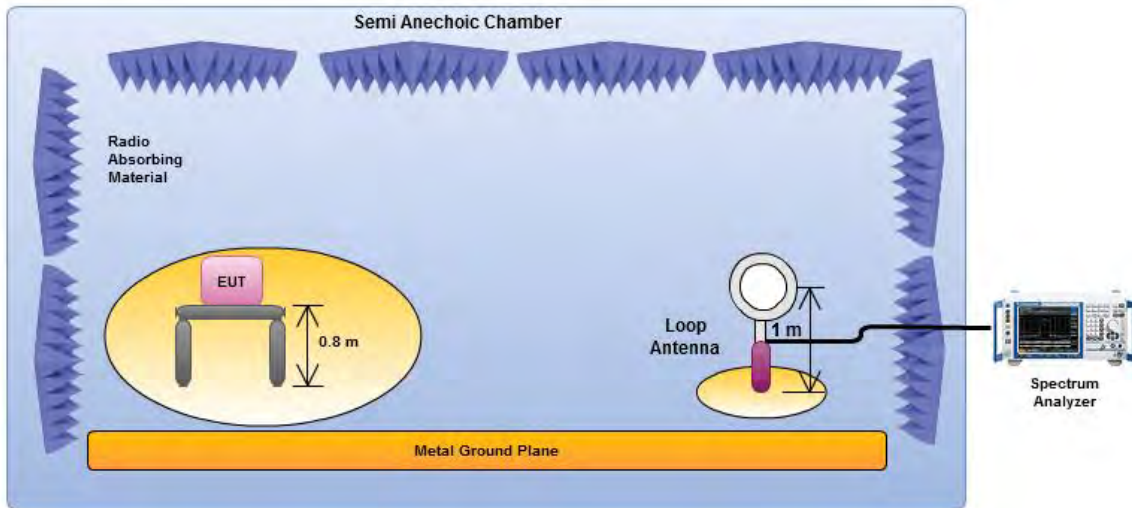
Refer a test equipment and calibration data table in this test report.

3.7.3 Test Procedures

Test Method – General Information	
☒	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).
☒	The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].
☒	For the transmitter unwanted emissions shall be measured using following options below:
☒	Refer as DA 00-705, for spurious radiated emissions. The dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from $20\log(\text{dwell time}/100 \text{ ms})$
☐	For unwanted emissions into non-restricted bands. 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.
☒	For unwanted emissions into restricted bands.
☒	Refer as ANSI C63.10, clause 4.1.4.2.3 (Reduced VBW). $\text{VBW} \geq 1/T$, where T is pulse time.
☐	Refer as ANSI C63.10, clause 4.1.4.2.4 average value of pulsed emissions.
☒	Refer as ANSI C63.10, clause 11.12.2.4 measurement procedure peak limit.
☒	Refer as ANSI C63.10, clause 11.12.2.3 measurement procedure Quasi-Peak limit.
☒	For radiated measurement.
☒	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
☒	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1 GHz and test distance is 3m.
☒	The any unwanted emissions level shall not exceed the fundamental emission level.
☒	All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

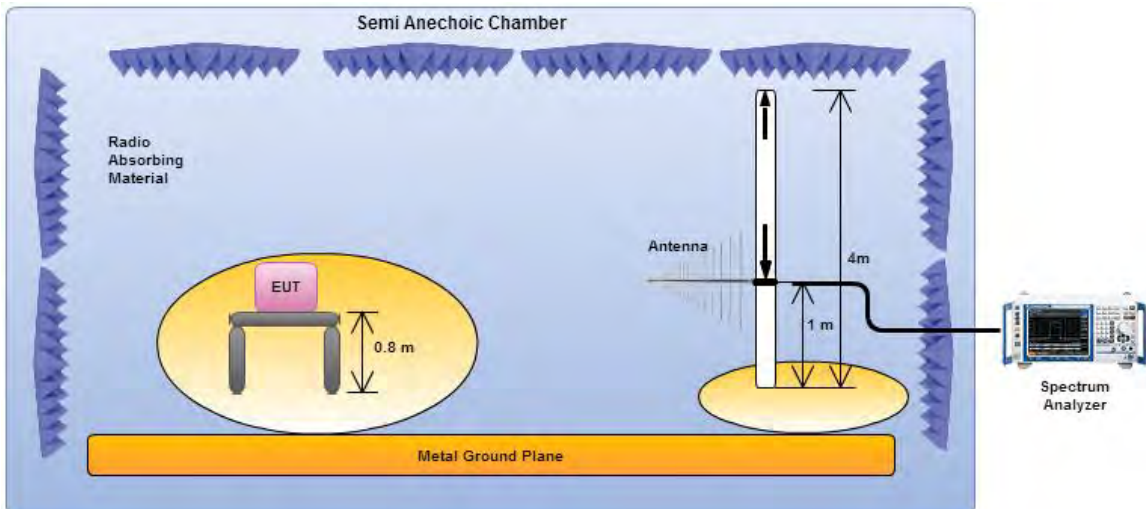
3.7.4 Test Setup

Transmitter Spurious and Out of Band Emissions (9 kHz - 30 MHz)

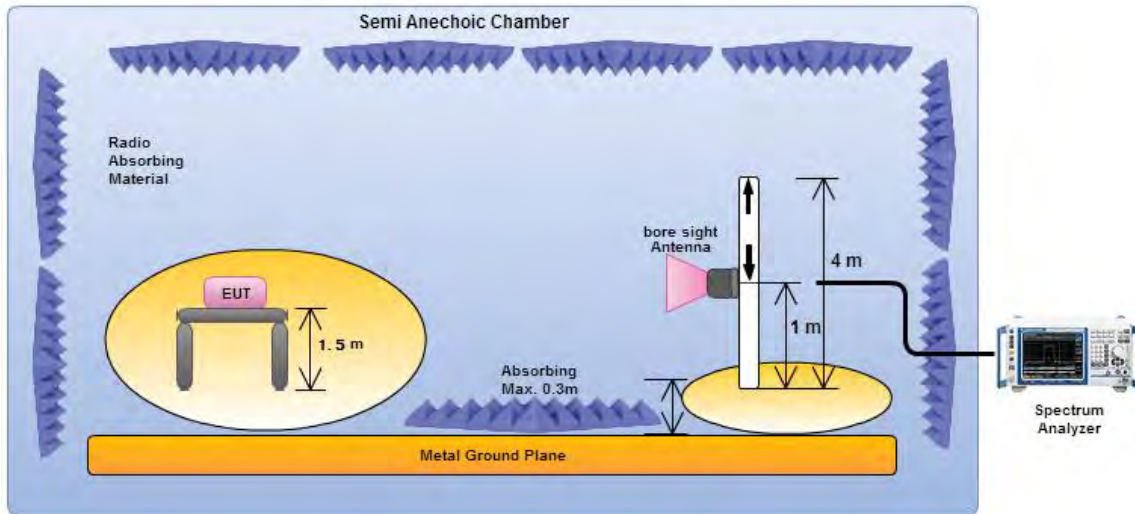


Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna.

Transmitter Radiated Unwanted Emissions (below 1GHz)



Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna.

Transmitter Radiated Unwanted Emissions (above 1GHz)


Electric field tests shall be performed in the frequency range of 1 GHz to 10th harmonic of highest fundamental frequency or 40 GHz using a calibrated horn antenna.

3.7.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported. Any spurious which has more than 20 dB of margin compared to the applicable limit is not necessarily reported.

3.7.6 Transmitter Radiated Unwanted Emissions

Refer as Appendix F

4 Test Equipment and Calibration Data

AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR-3	102051	9kHz~3.6GHz	19/Apr/2016	18/Apr/2017
LISN	SCHWARZBECK MESS-ELEKTRO NIK	NSLK 8127	8127-477	9kHz~30MHz	26/Jan/2016	25/Jan/2017
LISN (Support Unit)	R&S	ENV216	101295	9kHz~30MHz	NCR	NCR
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz~30MHz	24/Oct/2016	23/Oct/2017
EMI Filter	LINDGREN	LRE-2030	2651	< 450Hz	NCR	NCR

NCR : Non-Calibration Require

Conducted

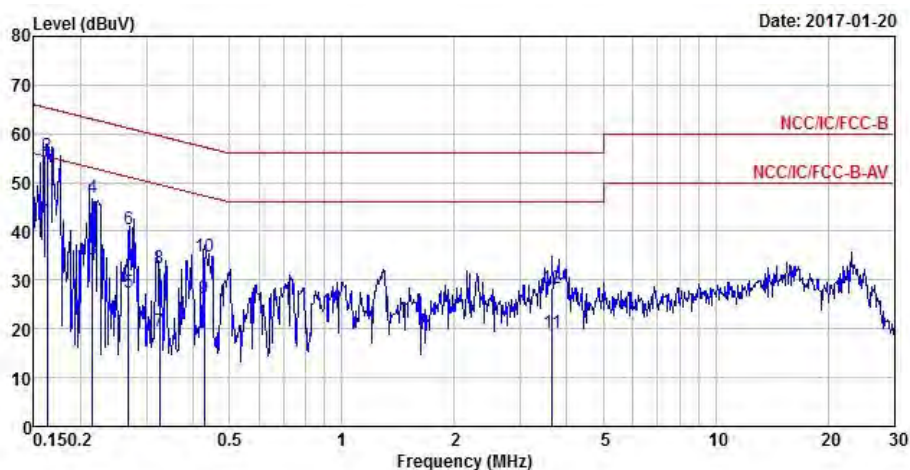
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	16/Feb/2016	15/Feb/2017
Power Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	04/Feb/2016	03/Feb/2017
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	04/Feb/2016	03/Feb/2017
Signal Generator	R&S	SMR40	100116	10MHz~40GHz	21/Jul/2016	20/Jul/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY677/3	30MHz~26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY678/3	30MHz~26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10717/4	30MHz~26.5GHz	02/Oct/2016	01/Oct/2017

Radiated

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz	28/Nov/2016	27/Nov/2017
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz	16/Dec/2016	15/Dec/2017
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	10/May/2016	09/May/2017
Amplifier	KEYSIGHT	83017A	MY53270197	1GHz~26.5GHz	29/Aug/2016	28/Aug/2017
Spectrum	R&S	FSV40	101513	9kHz~40GHz	16/Feb/2016	15/Feb/2017
Bilog Antenna	SCHAFFNER	CBL 6112D	2723	30MHz~1GHz	01/Oct/2016	30/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1531	1GHz~18GHz	22/Apr/2016	21/Apr/2017
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	29/Jan/2016	28/Jan/2017
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	02/Feb/2015	01/Feb/2017
RF-Cable-high	SUHNER	SUHNER	CB222	1GHz~40GHz	28/Oct/2016	27/Oct/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~1GHz	27/Oct/2016	26/Oct/2017

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter Mode		



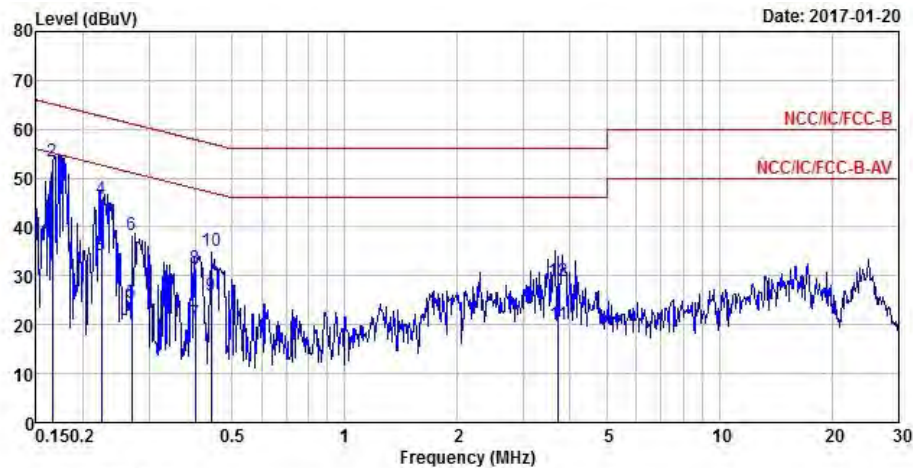
	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	42.11	-13.23	55.34	41.77	0.10	0.24	Average
2 MAX	0.16	55.47	-9.87	65.34	55.13	0.10	0.24	QP
3	0.22	34.23	-18.77	53.00	33.84	0.11	0.28	Average
4	0.22	46.91	-16.09	63.00	46.52	0.11	0.28	QP
5	0.27	27.44	-23.73	51.17	27.12	0.11	0.21	Average
6	0.27	40.31	-20.86	61.17	39.99	0.11	0.21	QP
7	0.33	19.39	-30.18	49.57	19.11	0.12	0.16	Average
8	0.33	32.58	-26.99	59.57	32.30	0.12	0.16	QP
9	0.43	26.13	-21.16	47.29	25.91	0.12	0.10	Average
10	0.43	34.90	-22.39	57.29	34.68	0.12	0.10	QP
11	3.66	19.32	-26.68	46.00	19.01	0.18	0.13	Average
12	3.66	28.33	-27.67	56.00	28.02	0.18	0.13	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	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	40.12	-15.07	55.19	39.76	0.11	0.25	Average
2 MAX	0.17	53.39	-11.80	65.19	53.03	0.11	0.25	QP
3	0.22	34.31	-18.34	52.65	33.93	0.11	0.27	Average
4	0.22	45.86	-16.79	62.65	45.48	0.11	0.27	QP
5	0.27	24.43	-26.68	51.11	24.11	0.11	0.21	Average
6	0.27	38.39	-22.72	61.11	38.07	0.11	0.21	QP
7	0.40	20.48	-27.41	47.89	20.26	0.12	0.10	Average
8	0.40	31.62	-26.27	57.89	31.40	0.12	0.10	QP
9	0.44	26.09	-20.98	47.07	25.87	0.12	0.10	Average
10	0.44	35.02	-22.05	57.07	34.80	0.12	0.10	QP
11	3.72	19.93	-26.07	46.00	19.64	0.17	0.12	Average
12	3.72	29.00	-27.00	56.00	28.71	0.17	0.12	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)
BT-BR(1Mbps)	-	-	-	-	-
2.4-2.4835GHz	927.5k	897.051k	897kF1D	925k	894.553k
BT-EDR(2Mbps)	-	-	-	-	-
2.4-2.4835GHz	1.313M	1.191M	1M19G1D	1.281M	1.187M
BT-EDR(3Mbps)	-	-	-	-	-
2.4-2.4835GHz	1.255M	1.198M	1M20G1D	1.251M	1.196M

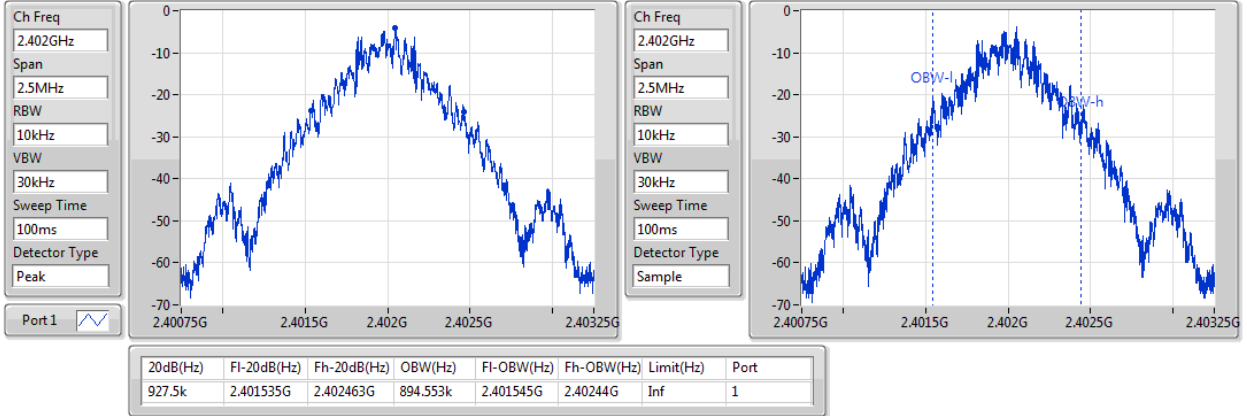
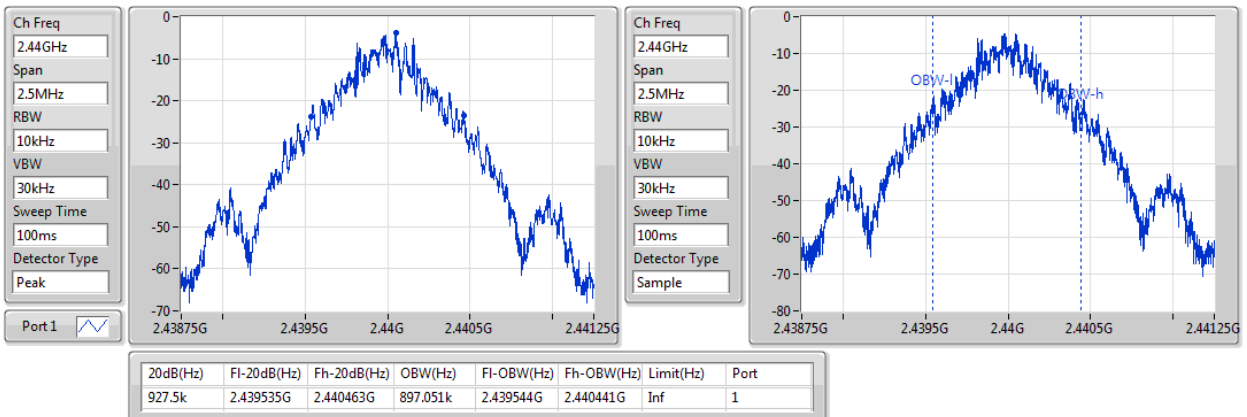
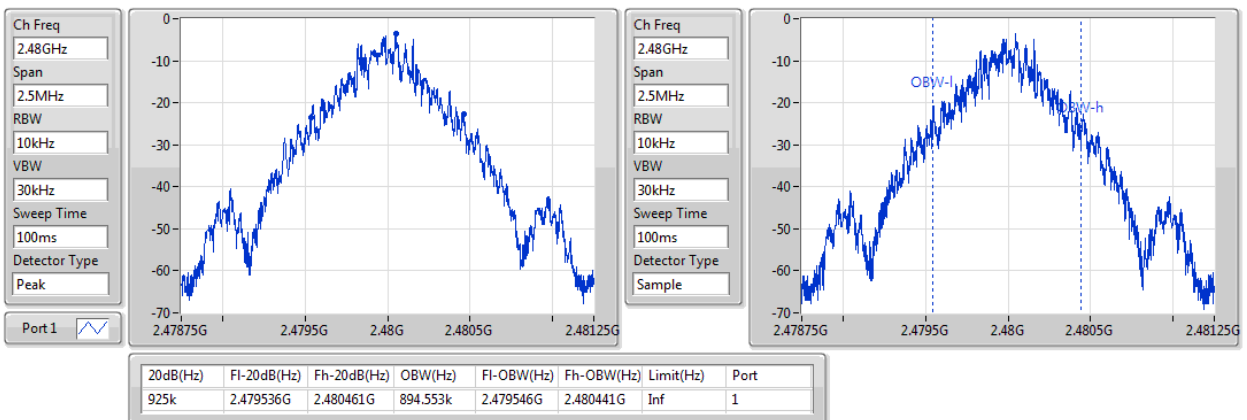
Max-N dB = Maximum 20dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

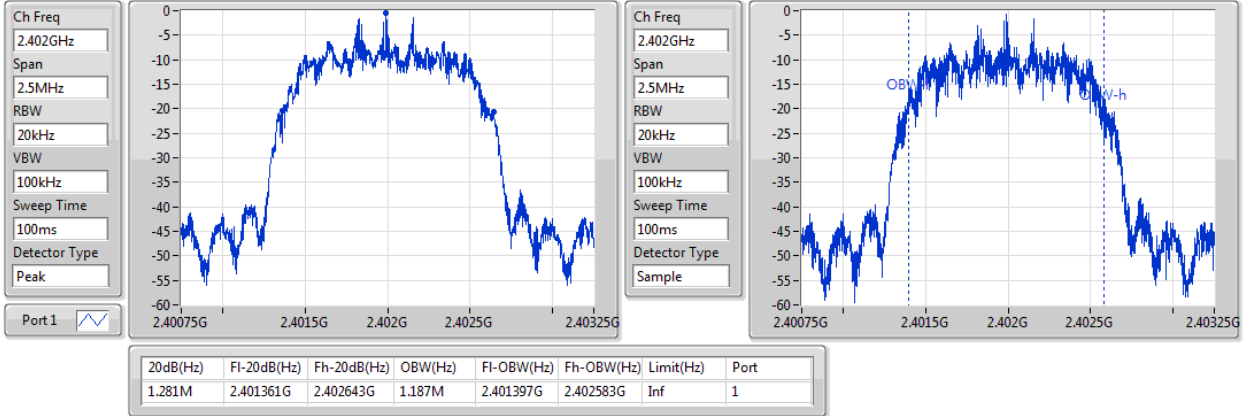
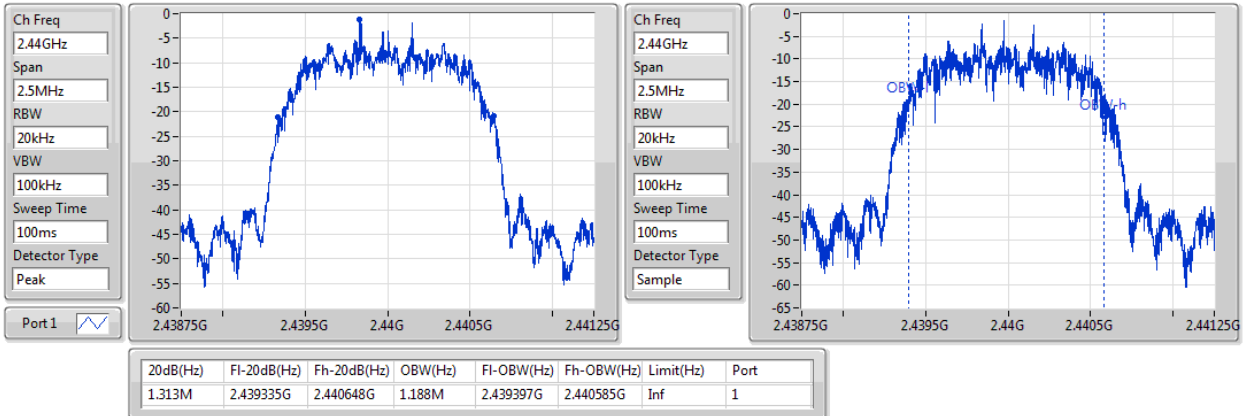
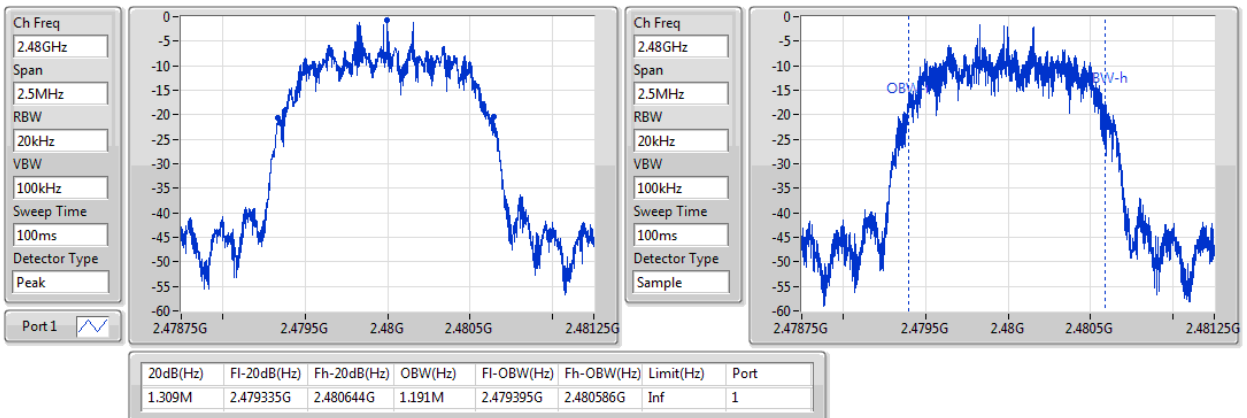
Min-N dB = Minimum 20dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

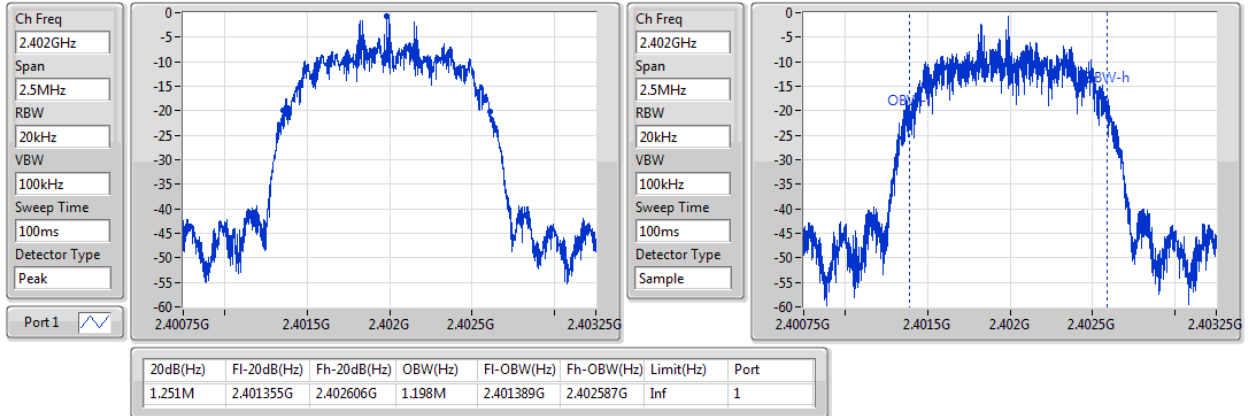
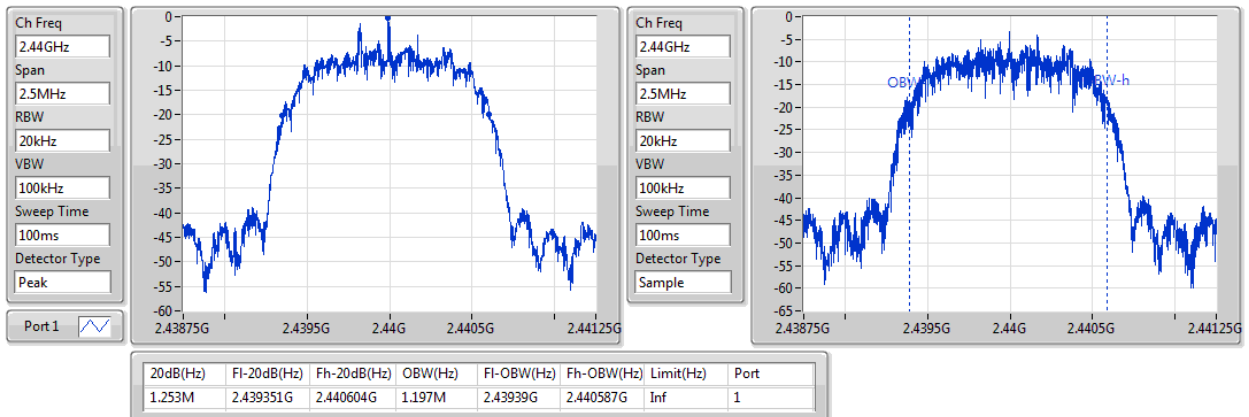
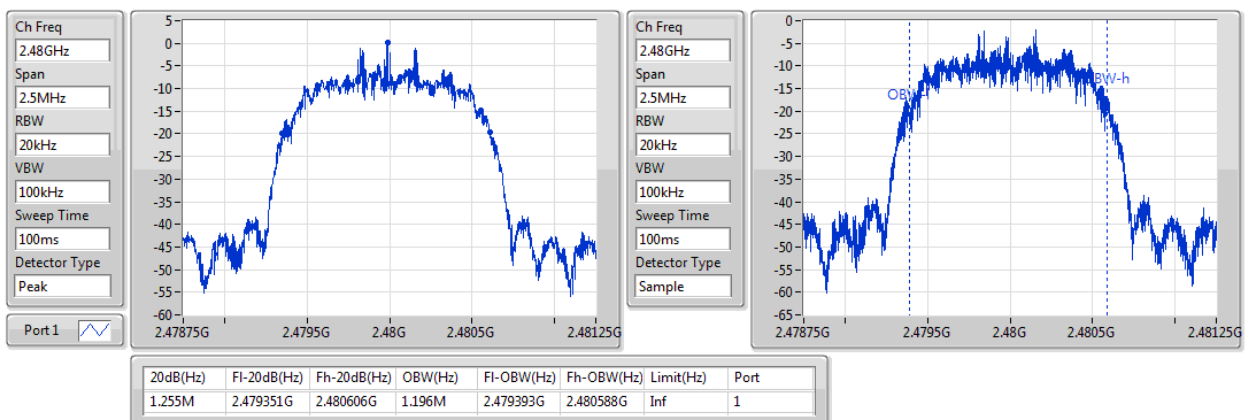
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	927.5k	894.553k
2440MHz	Pass	Inf	927.5k	897.051k
2480MHz	Pass	Inf	925k	894.553k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.281M	1.187M
2440MHz	Pass	Inf	1.313M	1.188M
2480MHz	Pass	Inf	1.309M	1.191M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.251M	1.198M
2440MHz	Pass	Inf	1.253M	1.197M
2480MHz	Pass	Inf	1.255M	1.196M

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
2440MHz

BT-BR(1Mbps)
EBW
2480MHz


BT-EDR(2Mbps)
EBW
2402MHz

BT-EDR(2Mbps)
EBW
2440MHz

BT-EDR(2Mbps)
EBW
2480MHz


BT-EDR(3Mbps)
EBW
2402MHz

BT-EDR(3Mbps)
EBW
2440MHz

BT-EDR(3Mbps)
EBW
2480MHz


Summary

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

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.401989G	2.402989G	1.0005M	617.715k
2440MHz	Pass	2.439989G	2.440991G	1.002M	617.715k
2480MHz	Pass	2.47899G	2.479991G	1.0005M	616.05k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.401989G	2.402991G	1.002M	853.146k
2440MHz	Pass	2.439989G	2.440989G	1.0005M	874.458k
2480MHz	Pass	2.478987G	2.479989G	1.002M	871.794k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.40199G	2.402989G	999k	833.166k
2440MHz	Pass	2.43999G	2.440989G	999k	834.498k
2480MHz	Pass	2.478989G	2.479989G	1.0005M	835.83k

BT-BR(1Mbps)

Channel Separation

2.402G/2.403GHz



Ff(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.401989G	2.402989G	1.0005M	617.715k

BT-BR(1Mbps)

Channel Separation

2.44G/2.441GHz



Ff(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.439989G	2.440991G	1.002M	617.715k

BT-BR(1Mbps)

Channel Separation

2.48G/2.479GHz

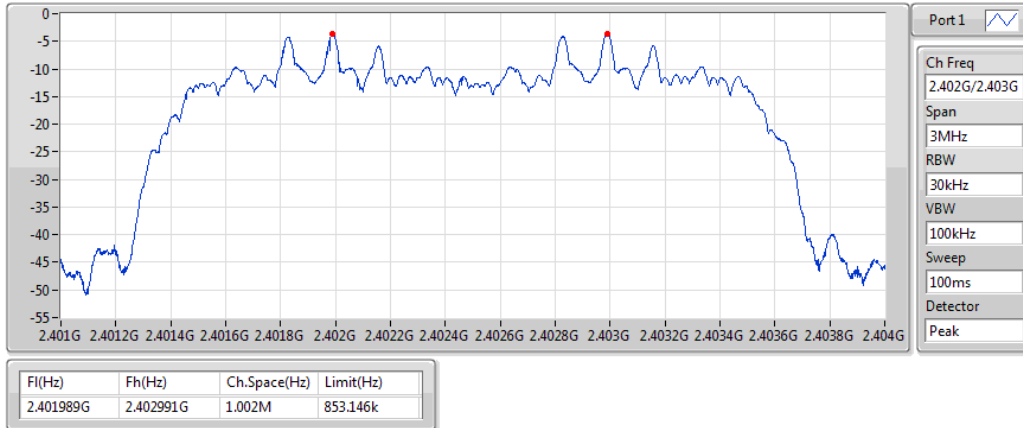


Ff(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.47899G	2.479991G	1.0005M	616.05k

BT-EDR(2Mbps)

Channel Separation

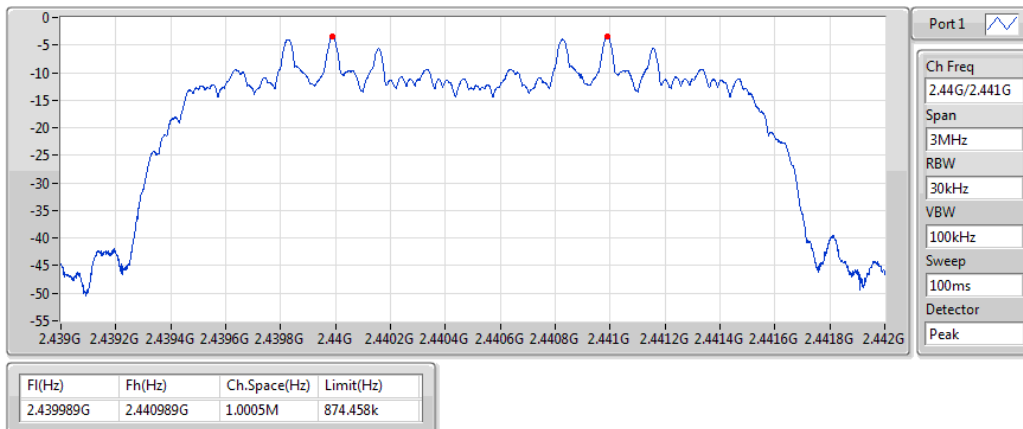
2.402G/2.403GHz



BT-EDR(2Mbps)

Channel Separation

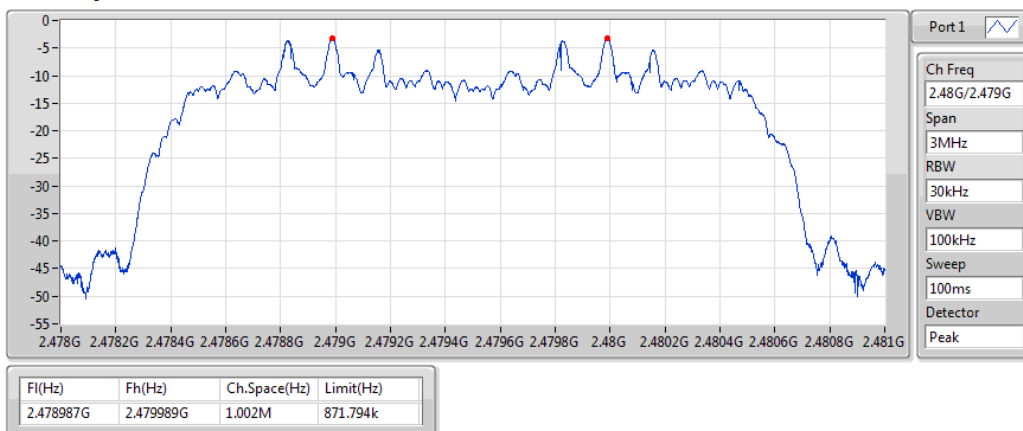
2.44G/2.441GHz



BT-EDR(2Mbps)

Channel Separation

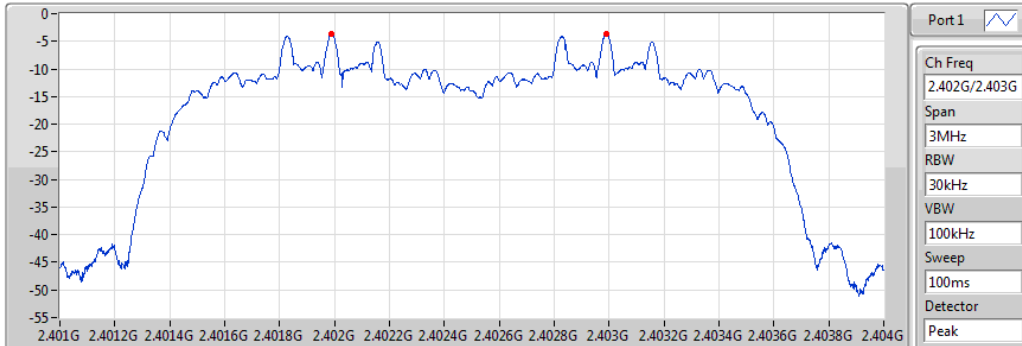
2.48G/2.479GHz



BT-EDR(3Mbps)

Channel Separation

2.402G/2.403GHz

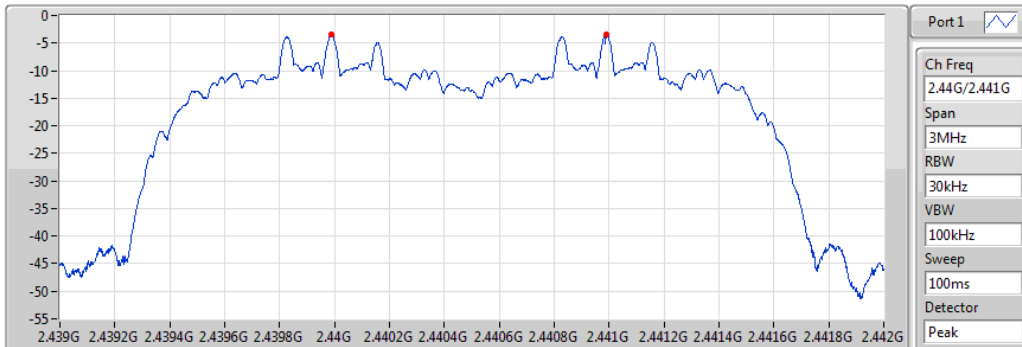


Ff(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.40199G	2.402989G	999k	833.166k

BT-EDR(3Mbps)

Channel Separation

2.44G/2.441GHz

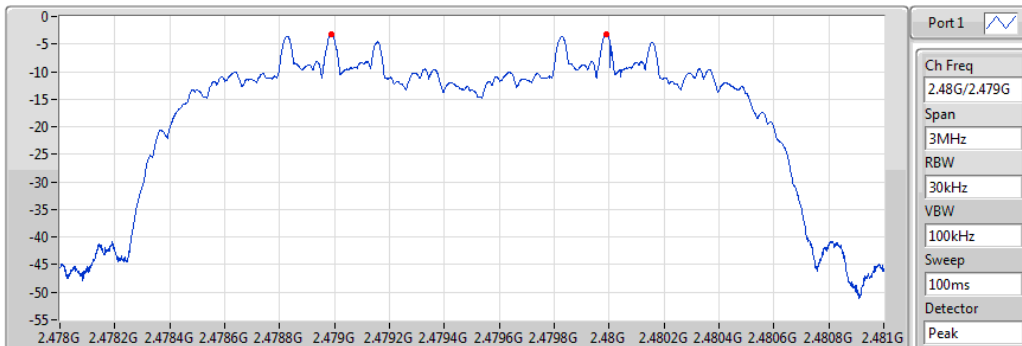


Ff(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.43999G	2.440989G	999k	834.498k

BT-EDR(3Mbps)

Channel Separation

2.48G/2.479GHz



Ff(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.478989G	2.479989G	1.0005M	835.83k

Summary

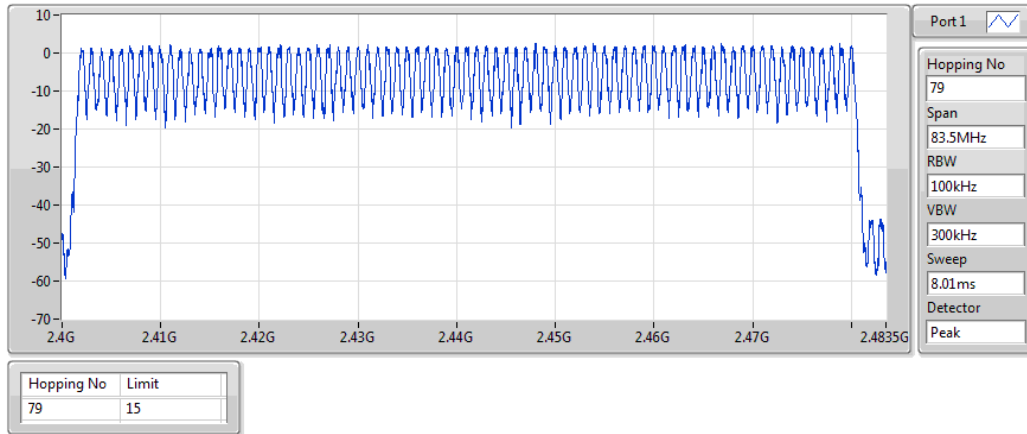
Mode	Max-Hop No
BT-BR(1Mbps)	-
2.4-2.4835GHz	79
BT-EDR(2Mbps)	-
2.4-2.4835GHz	79
BT-EDR(3Mbps)	-
2.4-2.4835GHz	79

Result

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

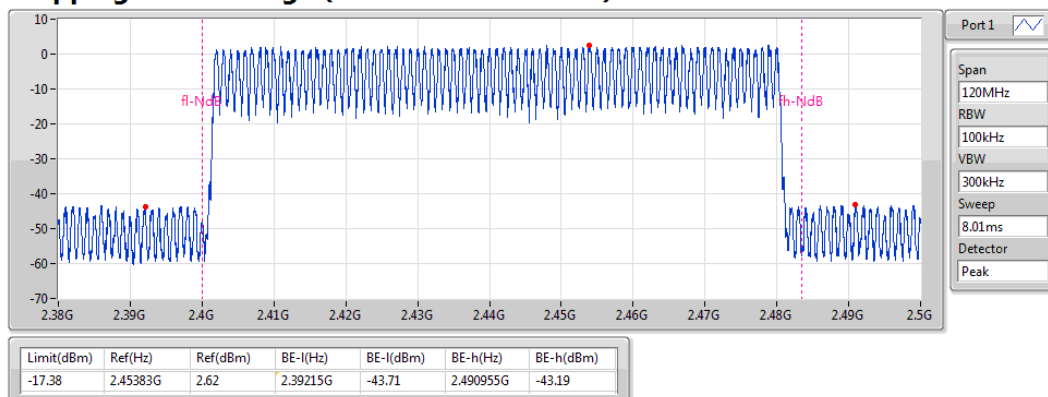
BT-BR(1Mbps) 2440MHz

Hopping Ch



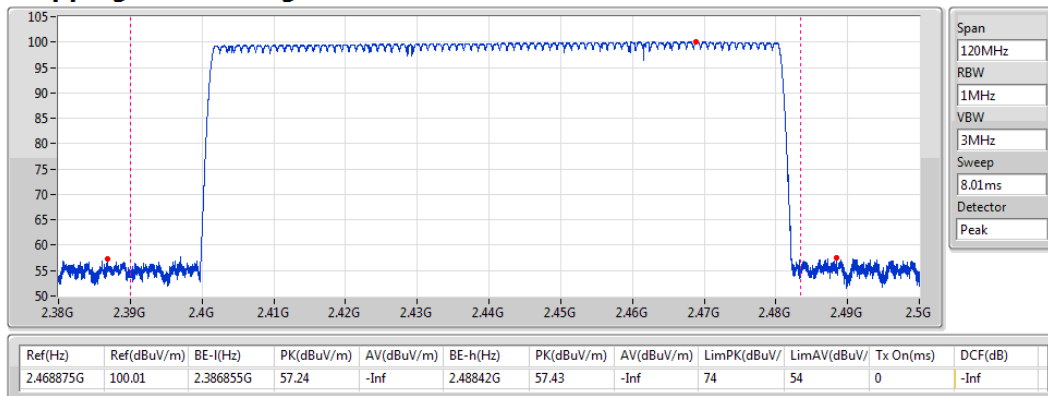
BT-BR(1Mbps) 2440MHz

Hopping Ch Bandedge (Non-restricted Band)



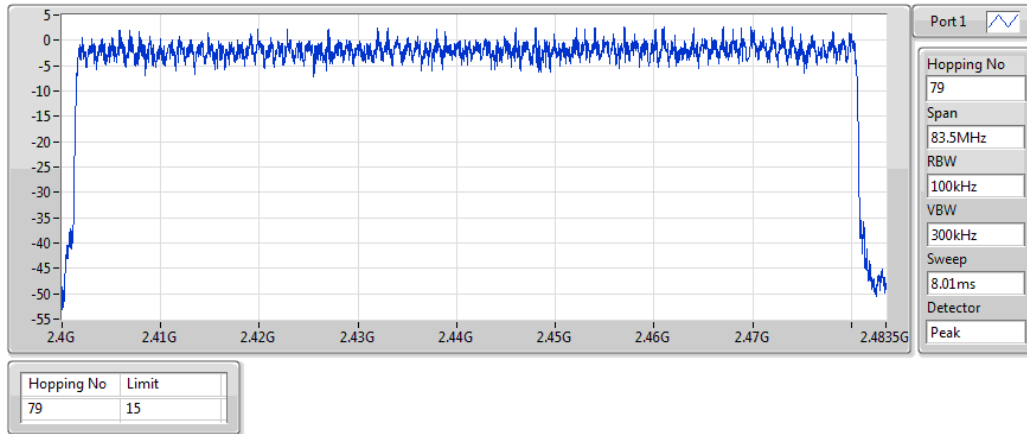
BT-BR(1Mbps) 2440MHz

Hopping Ch Bandedge (Restricted Band)



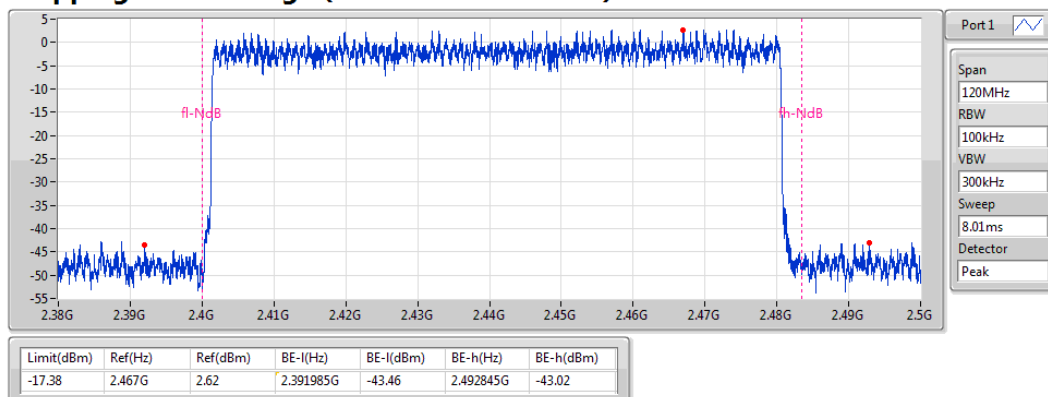
BT-EDR(2Mbps) 2440MHz

Hopping Ch



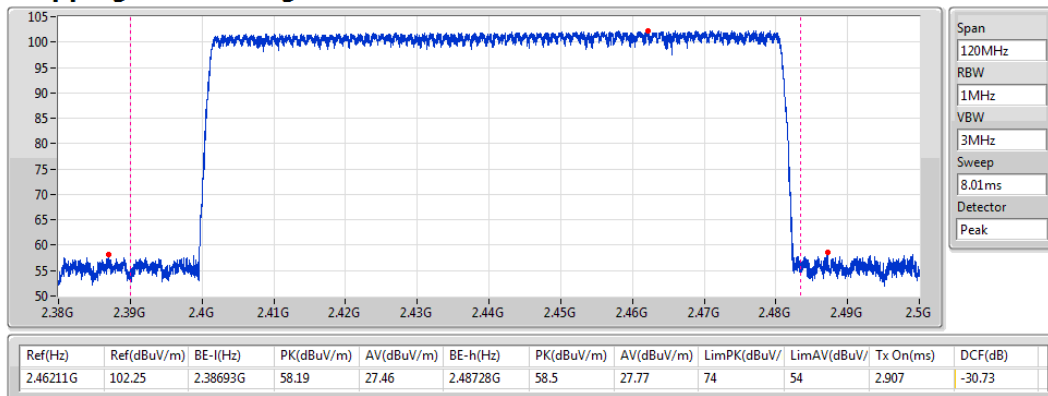
BT-EDR(2Mbps) 2440MHz

Hopping Ch Bandedge (Non-restricted Band)



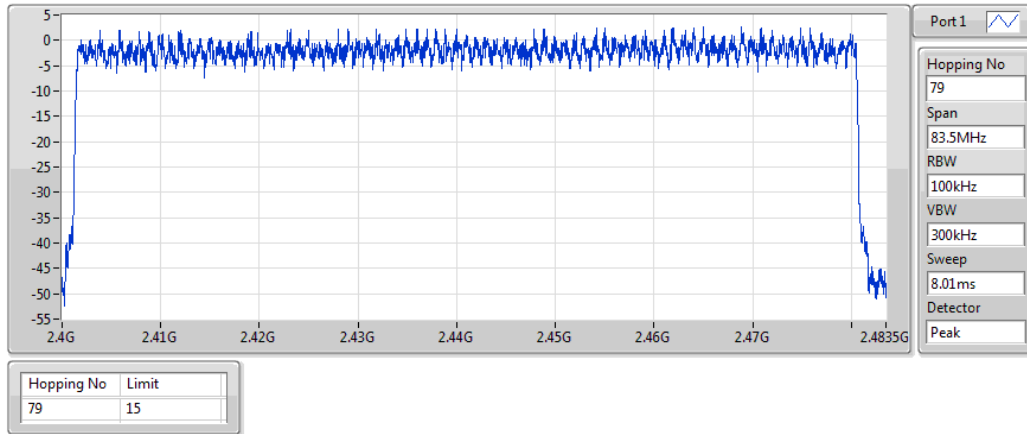
BT-EDR(2Mbps) 2440MHz

Hopping Ch Bandedge (Restricted Band)



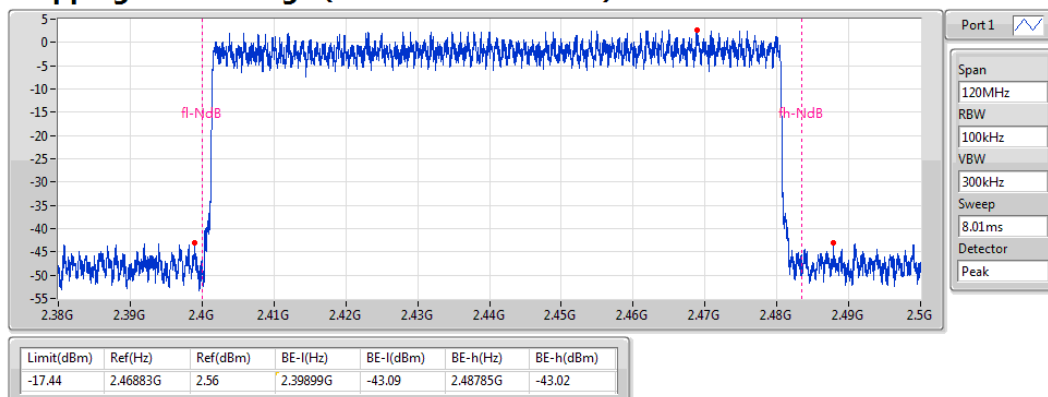
BT-EDR(3Mbps) 2440MHz

Hopping Ch



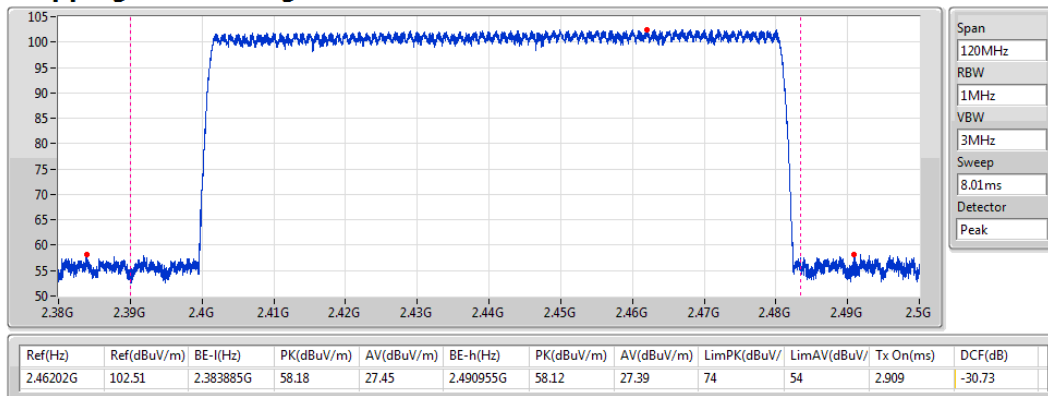
BT-EDR(3Mbps) 2440MHz

Hopping Ch Bandedge (Non-restricted Band)



BT-EDR(3Mbps) 2440MHz

Hopping Ch Bandedge (Restricted Band)



Summary

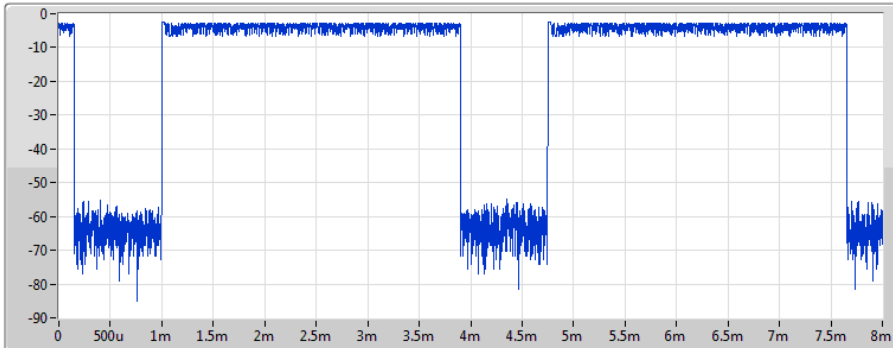
Mode	Max-Dwell (s)
BT-BR(1Mbps)	-
2.4-2.4835GHz	309.5664m
BT-EDR(2Mbps)	-
2.4-2.4835GHz	309.8862m
BT-EDR(3Mbps)	-
2.4-2.4835GHz	310.0994m

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.5664m	400m	2.904m
BT-EDR(2Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	309.8862m	400m	2.907m
BT-EDR(3Mbps)	-	-	-	-	-
2440MHz	Pass	31.6	310.0994m	400m	2.909m

BT-BR(1Mbps)

2440MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.5664m	400m	2.904m

Dwell

Port 1 

Ch Freq
2.44GHz

RBW
300kHz

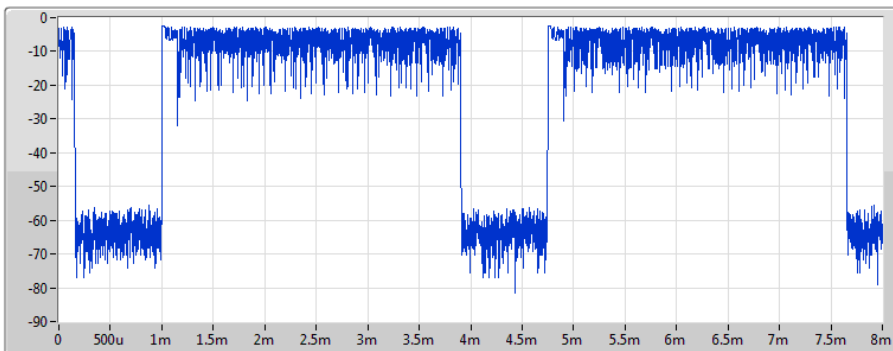
VBW
1MHz

Sweep Time
8ms

TX Time
2.904ms

BT-EDR(2Mbps)

2440MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	309.8862m	400m	2.907m

Dwell

Port 1 

Ch Freq
2.44GHz

RBW
300kHz

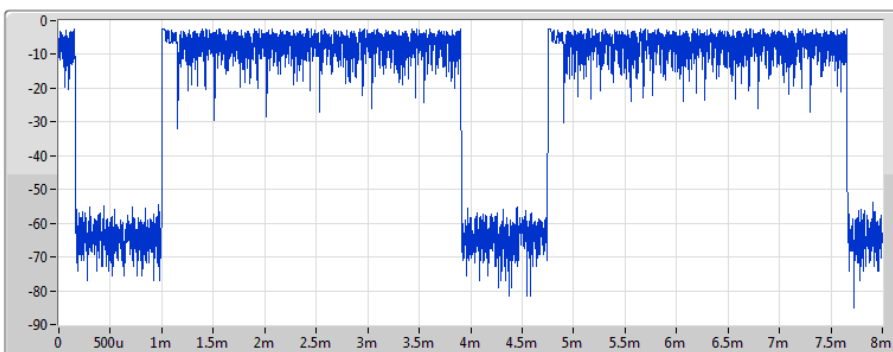
VBW
1MHz

Sweep Time
8ms

TX Time
2.907ms

BT-EDR(3Mbps)

2440MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	310.0994m	400m	2.909m

Dwell

Port 1 

Ch Freq
2.44GHz

RBW
300kHz

VBW
1MHz

Sweep Time
8ms

TX Time
2.909ms

Summary

Mode	Power (dBm)	Power (W)
BT-BR(1Mbps)	-	-
2.4-2.4835GHz	2.84	0.00192
BT-EDR(2Mbps)	-	-
2.4-2.4835GHz	5.21	0.00332
BT-EDR(3Mbps)	-	-
2.4-2.4835GHz	5.75	0.00376

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	2.00	2.31	21.00
2440MHz	Pass	2.00	2.59	21.00
2480MHz	Pass	2.00	2.84	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	2.00	4.69	21.00
2440MHz	Pass	2.00	4.94	21.00
2480MHz	Pass	2.00	5.21	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	2.00	5.19	21.00
2440MHz	Pass	2.00	5.40	21.00
2480MHz	Pass	2.00	5.75	21.00

Summary

Mode	Power	Power
	(dBm)	(W)
BT-BR(1Mbps)	-	-
2.4-2.4835GHz	2.44	0.00175
BT-EDR(2Mbps)	-	-
2.4-2.4835GHz	2.68	0.00185
BT-EDR(3Mbps)	-	-
2.4-2.4835GHz	2.73	0.00187

Result

Mode	Result	Gain	Power	Power Limit
		(dBi)	(dBm)	(dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	2.00	1.96	21.00
2440MHz	Pass	2.00	2.15	21.00
2480MHz	Pass	2.00	2.44	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	2.00	2.17	21.00
2440MHz	Pass	2.00	2.42	21.00
2480MHz	Pass	2.00	2.68	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	2.00	2.19	21.00
2440MHz	Pass	2.00	2.37	21.00
2480MHz	Pass	2.00	2.73	21.00

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
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.479993G	1.34	-18.66	2.157648G	-58.14	2.39958G	-55.64	2.483972G	-54.45	2.558672G	-46.71	1

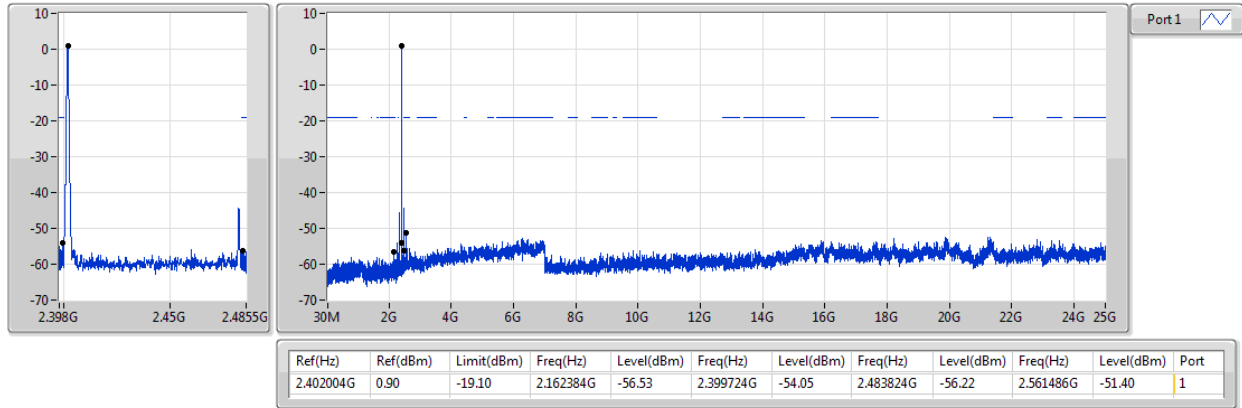
Result

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	Pass	2.402004G	0.90	-19.10	2.162384G	-56.53	2.399724G	-54.05	2.483824G	-56.22	2.561486G	-51.40	1
2440MHz	Pass	2.439913G	1.59	-18.41	959.44M	-56.78	2.39914G	-57.39	2.484452G	-56.31	2.519272G	-49.19	1
2480MHz	Pass	2.479993G	1.34	-18.66	2.157648G	-58.14	2.39958G	-55.64	2.483972G	-54.45	2.558672G	-46.71	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402004G	-0.57	-20.57	773.552M	-58.70	2.3997G	-54.89	2.484244G	-56.12	6.68164G	-52.92	1
2440MHz	Pass	2.44008G	1.88	-18.12	870.64M	-58.25	2.398144G	-57.01	2.485088G	-55.74	2.519272G	-51.74	1
2480MHz	Pass	2.479826G	1.54	-18.46	2.144624G	-57.37	2.399824G	-46.98	2.48452G	-55.32	2.558672G	-51.06	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.401837G	0.10	-19.90	1.904272G	-58.36	2.399428G	-55.35	2.48358G	-56.36	16.224974G	-52.36	1
2440MHz	Pass	2.439913G	0.49	-19.51	1.846256G	-57.31	2.399072G	-56.61	2.485028G	-56.07	2.519272G	-49.64	1
2480MHz	Pass	2.479993G	2.41	-17.59	1.839152G	-57.01	2.398316G	-56.76	2.483712G	-54.95	2.558672G	-47.78	1

BT-BR(1Mbps)

CSE NdB

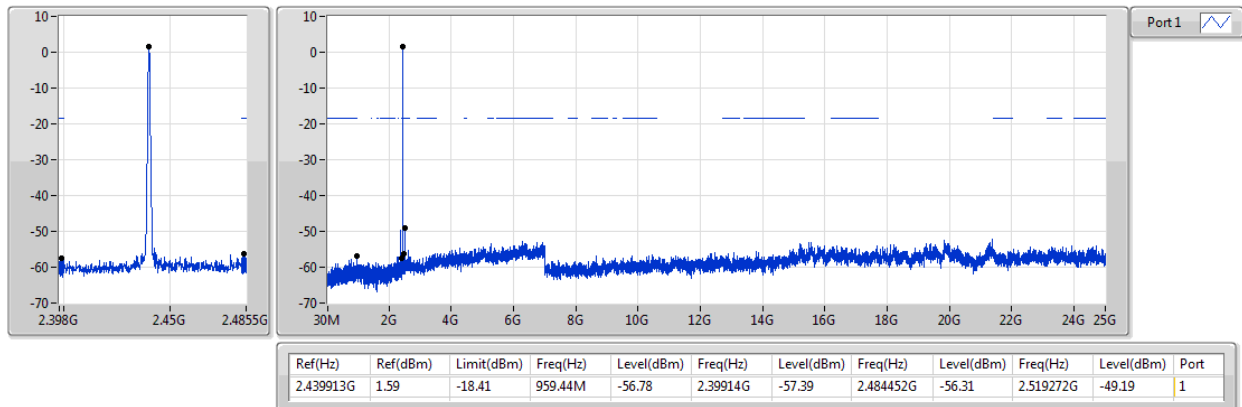
2402MHz



BT-BR(1Mbps)

CSE NdB

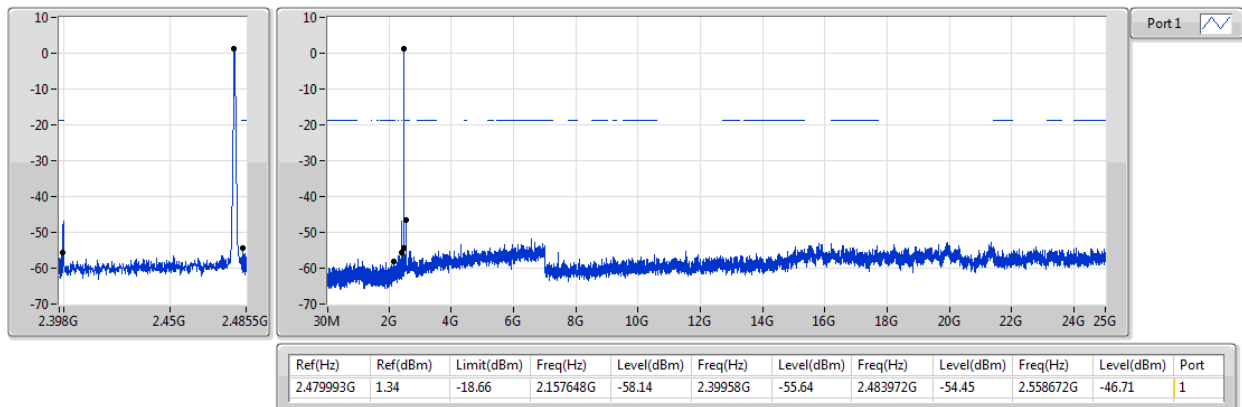
2440MHz



BT-BR(1Mbps)

CSE NdB

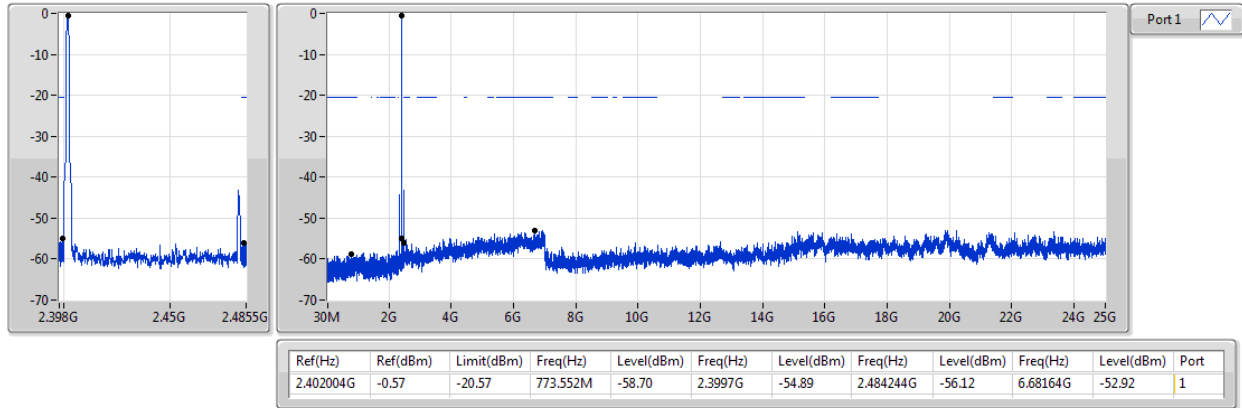
2480MHz



BT-EDR(2Mbps)

CSE NdB

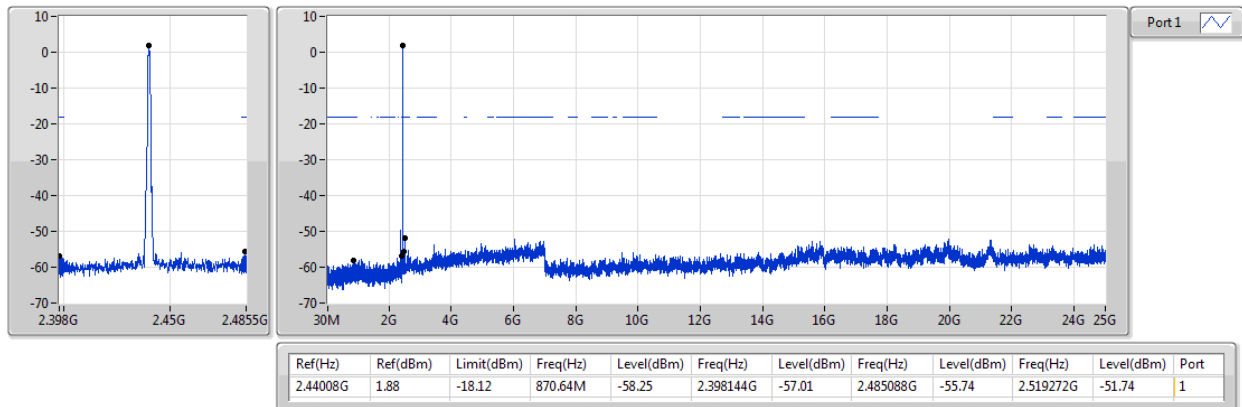
2402MHz



BT-EDR(2Mbps)

CSE NdB

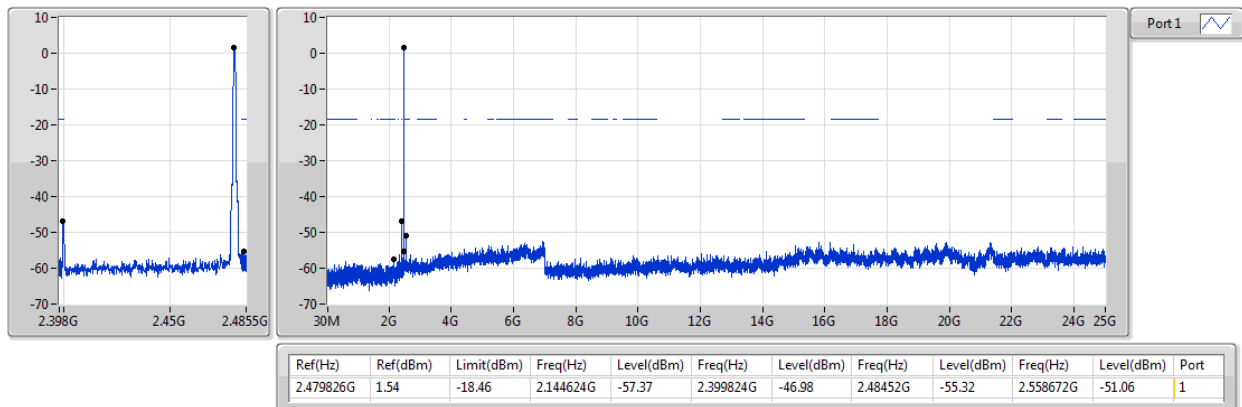
2440MHz



BT-EDR(2Mbps)

CSE NdB

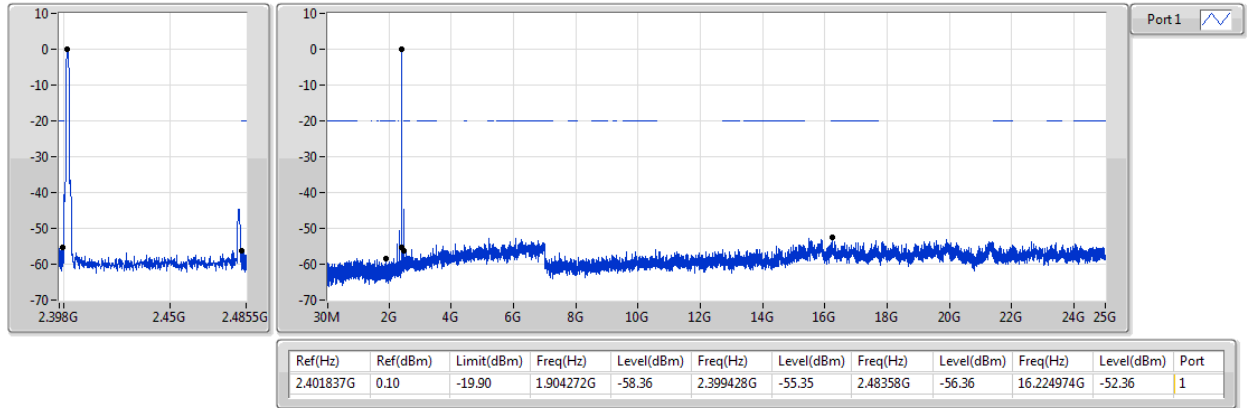
2480MHz



BT-EDR(3Mbps)

CSE NdB

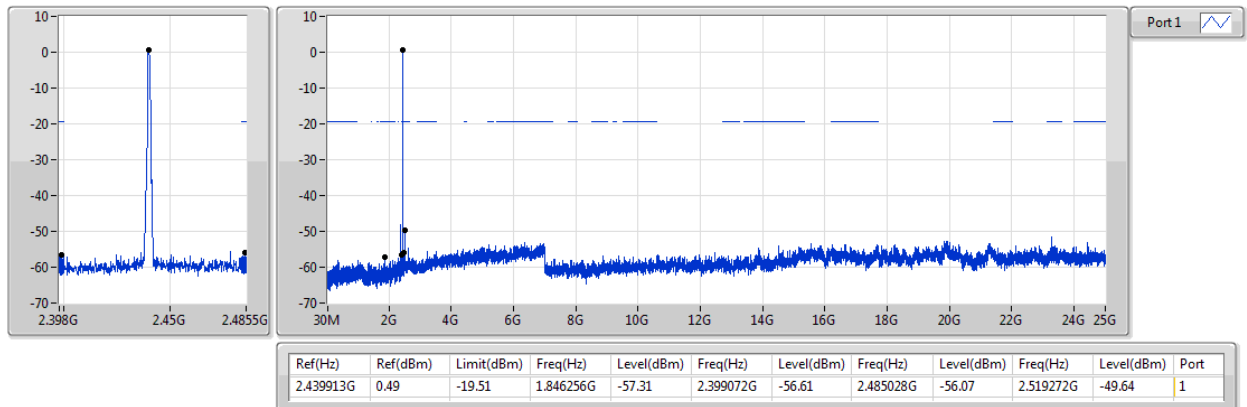
2402MHz



BT-EDR(3Mbps)

CSE NdB

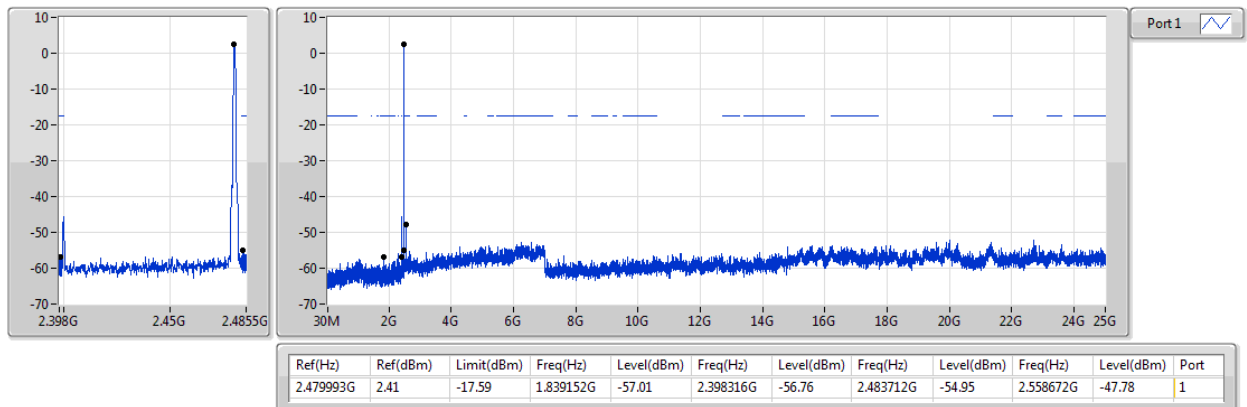
2440MHz



BT-EDR(3Mbps)

CSE NdB

2480MHz



**Summary**

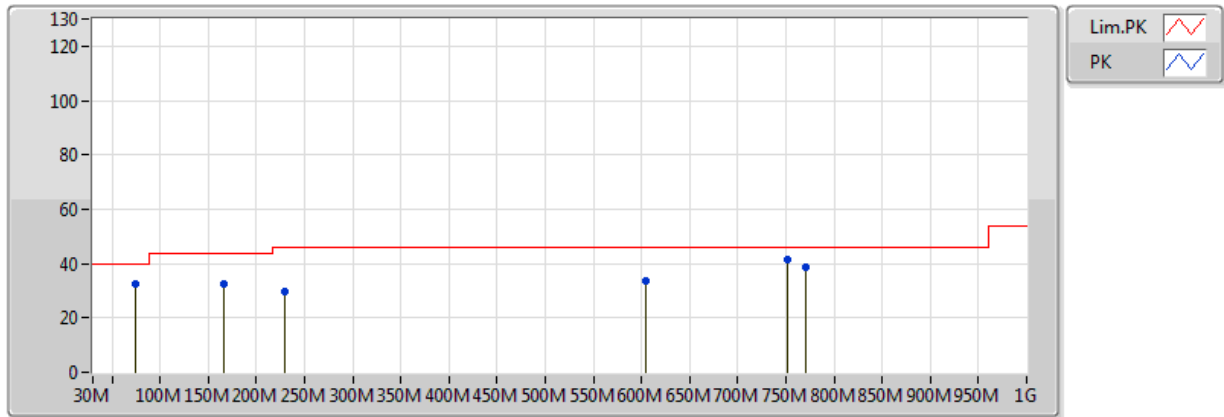
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	751.68M	41.23	46.00	-4.77	-6.26	3	V	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	37.76M	14.48	40.00	-25.52	-16.98	3	H	360	1.00	-
2440MHz	Pass	PK	272.5M	17.54	46.00	-28.46	-15.56	3	H	360	1.00	-
2440MHz	Pass	PK	297.72M	17.07	46.00	-28.93	-15.38	3	H	360	1.00	-
2440MHz	Pass	PK	736.16M	33.09	46.00	-12.91	-6.48	3	H	360	1.00	-
2440MHz	Pass	PK	821.52M	31.84	46.00	-14.16	-5.57	3	H	360	1.00	-
2440MHz	Pass	PK	955.38M	35.16	46.00	-10.84	-2.40	3	H	360	1.00	-
2440MHz	Pass	PK	74.62M	32.64	40.00	-7.36	-24.08	3	V	0	1.00	-
2440MHz	Pass	PK	165.8M	32.24	43.50	-11.26	-19.42	3	V	0	1.00	-
2440MHz	Pass	PK	229.82M	29.75	46.00	-16.25	-18.81	3	V	0	1.00	-
2440MHz	Pass	PK	604.24M	33.68	46.00	-12.32	-8.57	3	V	0	1.00	-
2440MHz	Pass	PK	751.68M	41.23	46.00	-4.77	-6.26	3	V	0	1.00	-
2440MHz	Pass	PK	771.08M	38.72	46.00	-7.28	-5.97	3	V	0	1.00	-

BT-EDR(3Mbps)

2440MHz_Adapter

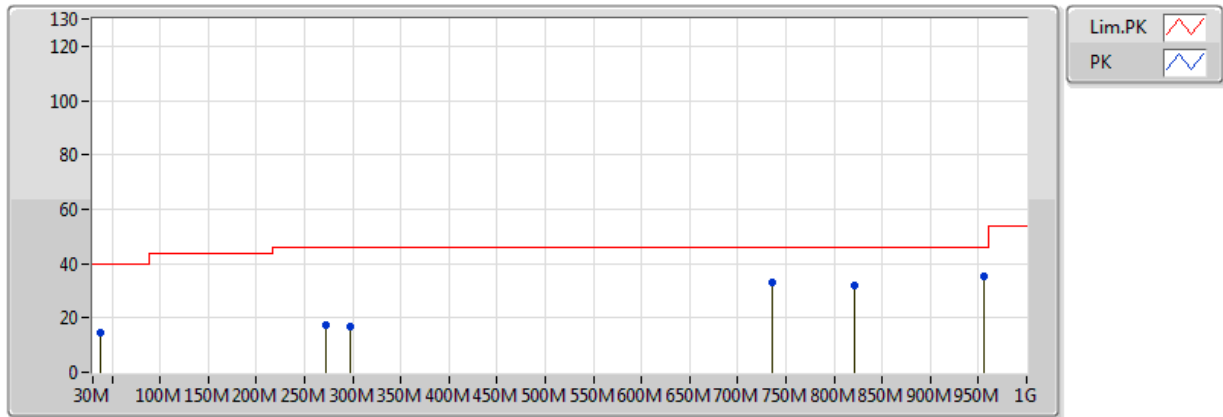


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	165.8M	32.24	43.50	-11.26	-19.42	3	V	0	1.00	-
PK	229.82M	29.75	46.00	-16.25	-18.81	3	V	0	1.00	-
PK	74.62M	32.64	40.00	-7.36	-24.08	3	V	0	1.00	-
PK	604.24M	33.68	46.00	-12.32	-8.57	3	V	0	1.00	-
PK	751.68M	41.23	46.00	-4.77	-6.26	3	V	0	1.00	-
PK	771.08M	38.72	46.00	-7.28	-5.97	3	V	0	1.00	-

BT-EDR(3Mbps)

2440MHz_Adapter



Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	37.76M	14.48	40.00	-25.52	-16.98	3	H	360	1.00	-
PK	297.72M	17.07	46.00	-28.93	-15.38	3	H	360	1.00	-
PK	272.5M	17.54	46.00	-28.46	-15.56	3	H	360	1.00	-
PK	736.16M	33.09	46.00	-12.91	-6.48	3	H	360	1.00	-
PK	821.52M	31.84	46.00	-14.16	-5.57	3	H	360	1.00	-
PK	955.38M	35.16	46.00	-10.84	-2.40	3	H	360	1.00	-

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	2.322036G	60.37	74.00	-13.63	30.94	3	H	NaN	NaN	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.322444G	30.16	54.00	-23.84	30.94	3	H	NaN	NaN	-
2402MHz	Pass	AV	2.4018G	69.86	Inf	-Inf	31.24	3	H	NaN	NaN	-
2402MHz	Pass	PK	2.322444G	60.26	74.00	-13.74	30.94	3	H	NaN	NaN	-
2402MHz	Pass	PK	2.4018G	99.96	Inf	-Inf	31.24	3	H	NaN	NaN	-
2402MHz	Pass	AV	2.321832G	29.23	54.00	-24.77	30.94	3	V	NaN	NaN	-
2402MHz	Pass	AV	2.4018G	70.12	Inf	-Inf	31.24	3	V	NaN	NaN	-
2402MHz	Pass	PK	2.321832G	59.33	74.00	-14.67	30.94	3	V	NaN	NaN	-
2402MHz	Pass	PK	2.4018G	100.22	Inf	-Inf	31.24	3	V	NaN	NaN	-
2440MHz	Pass	AV	2.35978G	29.11	54.00	-24.89	31.08	3	H	NaN	NaN	-
2440MHz	Pass	AV	2.43958G	69.28	Inf	-Inf	31.37	3	H	NaN	NaN	-
2440MHz	Pass	AV	2.5G	28.35	54.00	-25.65	31.59	3	H	NaN	NaN	-
2440MHz	Pass	PK	2.35978G	59.21	74.00	-14.79	31.08	3	H	NaN	NaN	-
2440MHz	Pass	PK	2.43958G	99.38	Inf	-Inf	31.37	3	H	NaN	NaN	-
2440MHz	Pass	PK	2.5G	58.45	74.00	-15.55	31.59	3	H	NaN	NaN	-
2440MHz	Pass	AV	2.36016G	28.29	54.00	-25.71	31.08	3	V	NaN	NaN	-
2440MHz	Pass	AV	2.43958G	67.74	Inf	-Inf	31.37	3	V	NaN	NaN	-
2440MHz	Pass	AV	2.49962G	27.61	54.00	-26.39	31.59	3	V	NaN	NaN	-
2440MHz	Pass	PK	2.36016G	58.39	74.00	-15.61	31.08	3	V	NaN	NaN	-
2440MHz	Pass	PK	2.43958G	97.84	Inf	-Inf	31.37	3	V	NaN	NaN	-
2440MHz	Pass	PK	2.49962G	57.71	74.00	-16.29	31.59	3	V	NaN	NaN	-
2480MHz	Pass	AV	2.47968G	69.09	Inf	-Inf	31.52	3	H	NaN	NaN	-
2480MHz	Pass	AV	2.496G	37.64	54.00	-16.36	31.58	3	H	NaN	NaN	-
2480MHz	Pass	PK	2.47968G	99.19	Inf	-Inf	31.52	3	H	NaN	NaN	-
2480MHz	Pass	PK	2.496G	57.74	74.00	-16.26	31.58	3	H	NaN	NaN	-
2480MHz	Pass	AV	2.47968G	67.65	Inf	-Inf	31.52	3	V	NaN	NaN	-
2480MHz	Pass	AV	2.4952G	28.95	54.00	-25.05	31.57	3	V	NaN	NaN	-
2480MHz	Pass	PK	2.47968G	97.75	Inf	-Inf	31.52	3	V	NaN	NaN	-
2480MHz	Pass	PK	2.4952G	59.05	74.00	-14.95	31.57	3	V	NaN	NaN	-
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.322036G	29.98	54.00	-24.02	30.94	3	H	NaN	NaN	-
2402MHz	Pass	AV	2.402004G	71.97	Inf	-Inf	31.24	3	H	NaN	NaN	-
2402MHz	Pass	PK	2.322036G	60.08	74.00	-13.92	30.94	3	H	NaN	NaN	-
2402MHz	Pass	PK	2.402004G	102.07	Inf	-Inf	31.24	3	H	NaN	NaN	-
2402MHz	Pass	AV	2.32224G	29.17	54.00	-24.83	30.94	3	V	NaN	NaN	-
2402MHz	Pass	AV	2.402004G	72.30	Inf	-Inf	31.24	3	V	NaN	NaN	-
2402MHz	Pass	PK	2.32224G	59.27	74.00	-14.73	30.94	3	V	NaN	NaN	-
2402MHz	Pass	PK	2.402004G	102.40	Inf	-Inf	31.24	3	V	NaN	NaN	-
2440MHz	Pass	AV	2.35978G	28.91	54.00	-25.09	31.08	3	H	NaN	NaN	-
2440MHz	Pass	AV	2.43996G	71.47	Inf	-Inf	31.37	3	H	NaN	NaN	-
2440MHz	Pass	AV	2.49392G	28.32	54.00	-25.68	31.57	3	H	NaN	NaN	-
2440MHz	Pass	PK	2.35978G	59.01	74.00	-14.99	31.08	3	H	NaN	NaN	-
2440MHz	Pass	PK	2.43996G	101.57	Inf	-Inf	31.37	3	H	NaN	NaN	-
2440MHz	Pass	PK	2.49392G	58.42	74.00	-15.58	31.57	3	H	NaN	NaN	-
2440MHz	Pass	AV	2.36016G	29.57	54.00	-24.43	31.08	3	V	NaN	NaN	-
2440MHz	Pass	AV	2.43996G	69.92	Inf	-Inf	31.37	3	V	NaN	NaN	-
2440MHz	Pass	AV	2.48556G	29.39	54.00	-24.61	31.54	3	V	NaN	NaN	-
2440MHz	Pass	PK	2.36016G	59.67	74.00	-14.33	31.08	3	V	NaN	NaN	-
2440MHz	Pass	PK	2.43996G	100.02	Inf	-Inf	31.37	3	V	NaN	NaN	-



RSE TX above 1GHz Result

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2440MHz	Pass	PK	2.48556G	58.49	74.00	-15.51	31.54	3	V	NaN	NaN	-
2440MHz	Pass	-										
2480MHz	Pass	AV	2.48G	71.29	Inf	-Inf	31.52	3	H	NaN	NaN	-
2480MHz	Pass	AV	2.49392G	28.87	54.00	-25.13	31.57	3	H	NaN	NaN	-
2480MHz	Pass	PK	2.48G	101.39	Inf	-Inf	31.52	3	H	NaN	NaN	-
2480MHz	Pass	PK	2.49392G	58.97	74.00	-15.03	31.57	3	H	NaN	NaN	-
2480MHz	Pass	AV	2.48G	69.94	Inf	-Inf	31.52	3	V	NaN	NaN	-
2480MHz	Pass	AV	2.48624G	28.55	54.00	-25.45	31.54	3	V	NaN	NaN	-
2480MHz	Pass	PK	2.48G	100.04	Inf	-Inf	31.52	3	V	NaN	NaN	-
2480MHz	Pass	PK	2.48624G	58.65	74.00	-15.35	31.54	3	V	NaN	NaN	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.322036G	30.27	54.00	-23.73	30.94	3	H	NaN	NaN	-
2402MHz	Pass	AV	2.402004G	72.37	Inf	-Inf	31.24	3	H	NaN	NaN	-
2402MHz	Pass	PK	2.322036G	60.37	74.00	-13.63	30.94	3	H	NaN	NaN	-
2402MHz	Pass	PK	2.402004G	102.47	Inf	-Inf	31.24	3	H	NaN	NaN	-
2402MHz	Pass	AV	2.32224G	29.53	54.00	-54.00	30.94	3	V	NaN	NaN	-
2402MHz	Pass	AV	2.402004G	72.75	Inf	-Inf	31.24	3	V	NaN	NaN	-
2402MHz	Pass	PK	2.32224G	59.63	74.00	-14.37	30.94	3	V	NaN	NaN	-
2402MHz	Pass	PK	2.402004G	102.85	Inf	-Inf	31.24	3	V	NaN	NaN	-
2402MHz	Pass	AV	4.804G	15.76	54.00	-38.24	2.41	3	H	NaN	NaN	-
2402MHz	Pass	PK	4.804G	45.86	74.00	-28.14	2.41	3	H	NaN	NaN	-
2402MHz	Pass	AV	4.804G	15.35	54.00	-38.65	2.41	3	V	NaN	NaN	-
2402MHz	Pass	PK	4.804G	45.45	74.00	-28.55	2.41	3	V	NaN	NaN	-
2440MHz	Pass	AV	2.36016G	29.81	54.00	-24.19	31.08	3	H	NaN	NaN	-
2440MHz	Pass	AV	2.43996G	31.85	Inf	-Inf	31.37	3	H	NaN	NaN	-
2440MHz	Pass	AV	2.48708G	28.01	54.00	-25.99	31.54	3	H	NaN	NaN	-
2440MHz	Pass	PK	2.36016G	59.91	74.00	-14.09	31.08	3	H	NaN	NaN	-
2440MHz	Pass	PK	2.43996G	101.95	Inf	-Inf	31.37	3	H	NaN	NaN	-
2440MHz	Pass	PK	2.48708G	58.11	74.00	-15.89	31.54	3	H	NaN	NaN	-
2440MHz	Pass	AV	2.36016G	28.44	54.00	-25.56	31.08	3	V	NaN	NaN	-
2440MHz	Pass	AV	2.43996G	70.28	Inf	-Inf	31.37	3	V	NaN	NaN	-
2440MHz	Pass	AV	2.49354G	28.14	54.00	-25.86	31.57	3	V	NaN	NaN	-
2440MHz	Pass	PK	2.36016G	58.54	74.00	-15.46	31.08	3	V	NaN	NaN	-
2440MHz	Pass	PK	2.43996G	100.38	Inf	-Inf	31.37	3	V	NaN	NaN	-
2440MHz	Pass	PK	2.49354G	58.24	74.00	-15.76	31.57	3	V	NaN	NaN	-
2440MHz	Pass	AV	4.88G	15.31	54.00	-38.69	2.53	3	H	NaN	NaN	-
2440MHz	Pass	PK	4.88G	45.41	74.00	-28.59	2.53	3	H	NaN	NaN	-
2440MHz	Pass	AV	4.88G	15.41	54.00	-38.59	2.53	3	V	NaN	NaN	-
2440MHz	Pass	PK	4.88G	45.51	74.00	-28.49	2.53	3	V	NaN	NaN	-
2480MHz	Pass	AV	2.48G	71.86	Inf	-Inf	31.52	3	H	NaN	NaN	-
2480MHz	Pass	AV	2.484G	29.27	54.00	-24.73	31.53	3	H	NaN	NaN	-
2480MHz	Pass	PK	2.48G	101.96	Inf	-Inf	31.52	3	H	NaN	NaN	-
2480MHz	Pass	PK	2.484G	59.37	74.00	-14.63	31.53	3	H	NaN	NaN	-
2480MHz	Pass	AV	2.48G	70.33	Inf	-Inf	31.52	3	V	NaN	NaN	-
2480MHz	Pass	AV	2.49056G	28.48	54.00	-25.52	31.56	3	V	NaN	NaN	-
2480MHz	Pass	PK	2.48G	100.43	Inf	-Inf	31.52	3	V	NaN	NaN	-
2480MHz	Pass	PK	2.49056G	58.58	74.00	-15.42	31.56	3	V	NaN	NaN	-
2480MHz	Pass	AV	4.96G	15.78	54.00	-38.22	2.65	3	H	NaN	NaN	-
2480MHz	Pass	PK	4.96G	45.88	74.00	-28.12	2.65	3	H	NaN	NaN	-



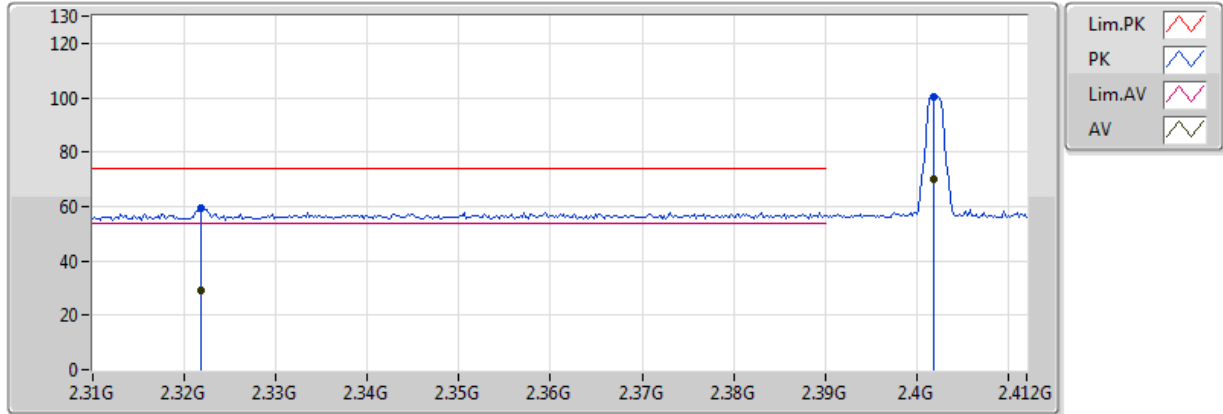
RSE TX above 1GHz Result

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2480MHz	Pass	AV	4.96G	15.99	54.00	-38.01	2.65	3	V	NaN	NaN	-
2480MHz	Pass	PK	4.96G	46.09	74.00	-27.91	2.65	3	V	NaN	NaN	-

BT-BR(1Mbps)

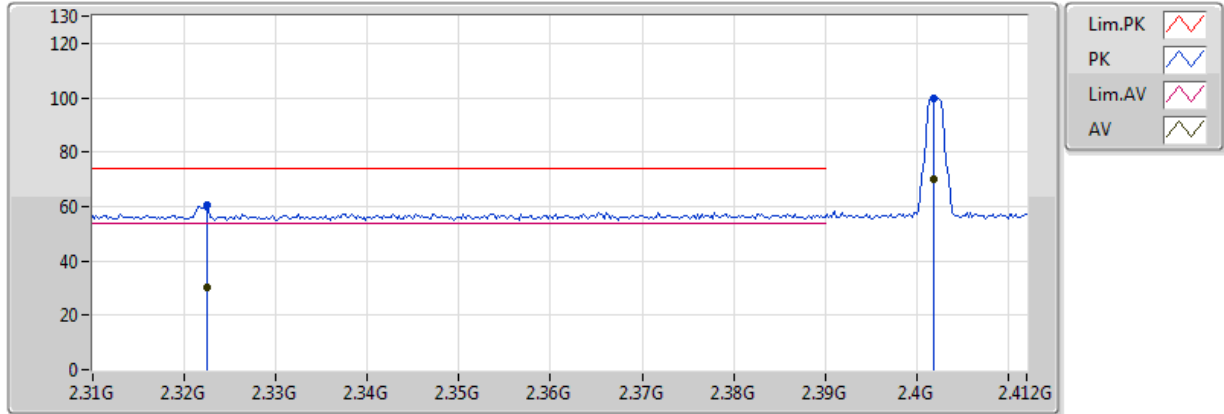
2402MHz_Adapter



Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.321832G	29.23	54.00	-24.77	30.94	3	V	NaN	NaN	-
AV	2.4018G	70.12	Inf	-Inf	31.24	3	V	NaN	NaN	-
PK	2.321832G	59.33	74.00	-14.67	30.94	3	V	NaN	NaN	-
PK	2.4018G	100.22	Inf	-Inf	31.24	3	V	NaN	NaN	-

BT-BR(1Mbps)

2402MHz_Adapter

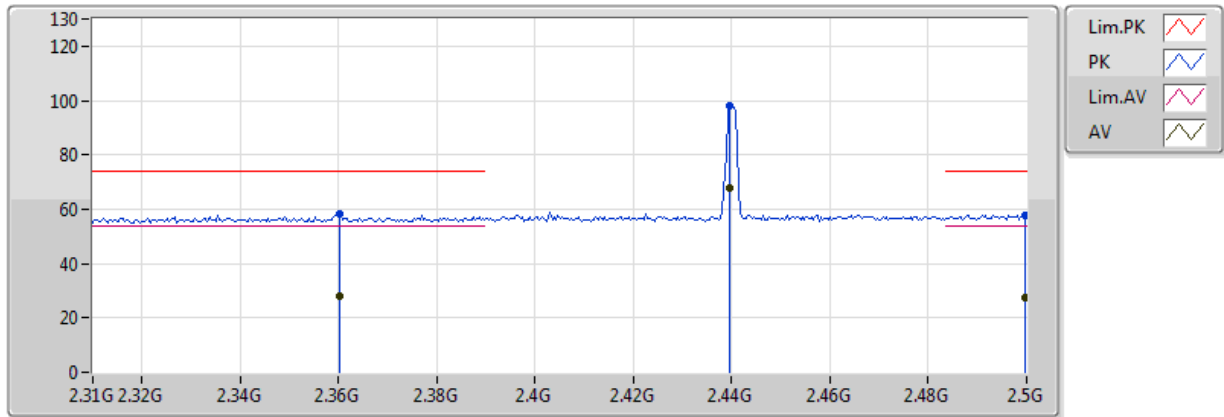


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.322444G	30.16	54.00	-23.84	30.94	3	H	NaN	NaN	-
AV	2.4018G	69.86	Inf	-Inf	31.24	3	H	NaN	NaN	-
PK	2.322444G	60.26	74.00	-13.74	30.94	3	H	NaN	NaN	-
PK	2.4018G	99.96	Inf	-Inf	31.24	3	H	NaN	NaN	-

BT-BR(1Mbps)

2440MHz_Adapter

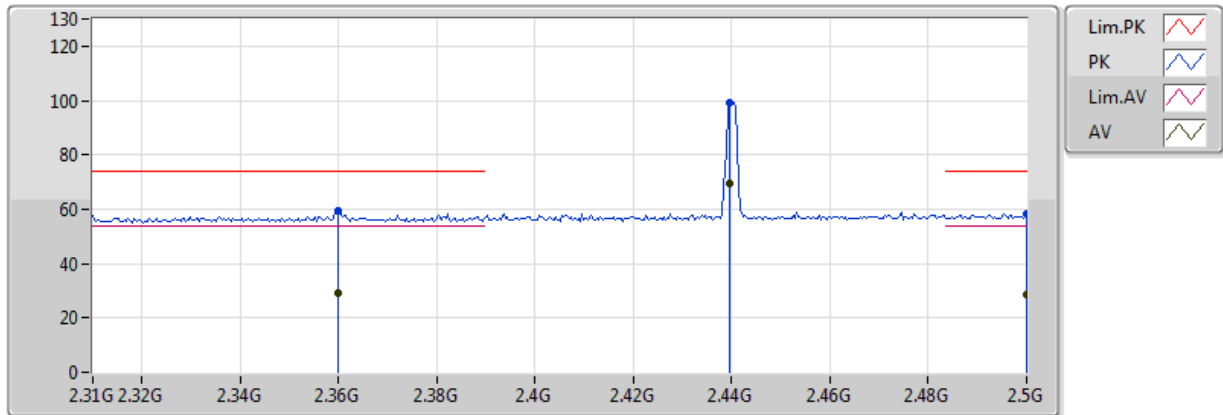


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.36016G	28.29	54.00	-25.71	31.08	3	V	NaN	NaN	-
AV	2.43958G	67.74	Inf	-Inf	31.37	3	V	NaN	NaN	-
AV	2.49962G	27.61	54.00	-26.39	31.59	3	V	NaN	NaN	-
PK	2.36016G	58.39	74.00	-15.61	31.08	3	V	NaN	NaN	-
PK	2.43958G	97.84	Inf	-Inf	31.37	3	V	NaN	NaN	-
PK	2.49962G	57.71	74.00	-16.29	31.59	3	V	NaN	NaN	-

BT-BR(1Mbps)

2440MHz_Adapter

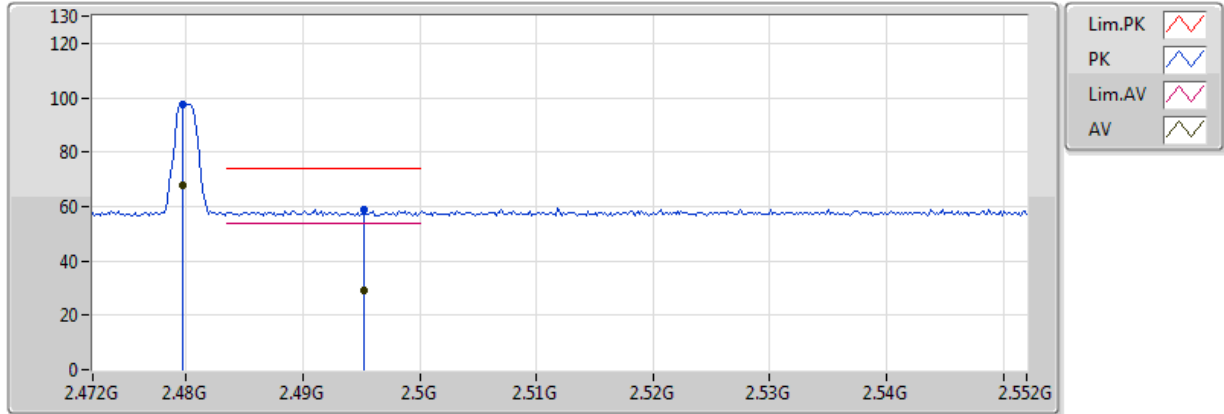


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.35978G	29.11	54.00	-24.89	31.08	3	H	NaN	NaN	-
AV	2.43958G	69.28	Inf	-Inf	31.37	3	H	NaN	NaN	-
AV	2.5G	28.35	54.00	-25.65	31.59	3	H	NaN	NaN	-
PK	2.35978G	59.21	74.00	-14.79	31.08	3	H	NaN	NaN	-
PK	2.43958G	99.38	Inf	-Inf	31.37	3	H	NaN	NaN	-
PK	2.5G	58.45	74.00	-15.55	31.59	3	H	NaN	NaN	-

BT-BR(1Mbps)

2480MHz_Adapter

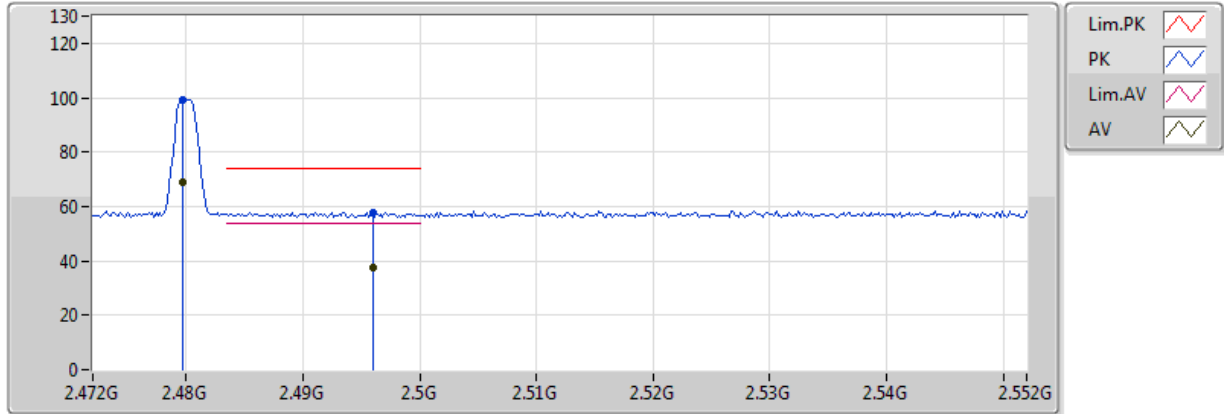


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.47968G	67.65	Inf	-Inf	31.52	3	V	NaN	NaN	-
AV	2.4952G	28.95	54.00	-25.05	31.57	3	V	NaN	NaN	-
PK	2.47968G	97.75	Inf	-Inf	31.52	3	V	NaN	NaN	-
PK	2.4952G	59.05	74.00	-14.95	31.57	3	V	NaN	NaN	-

BT-BR(1Mbps)

2480MHz_Adapter

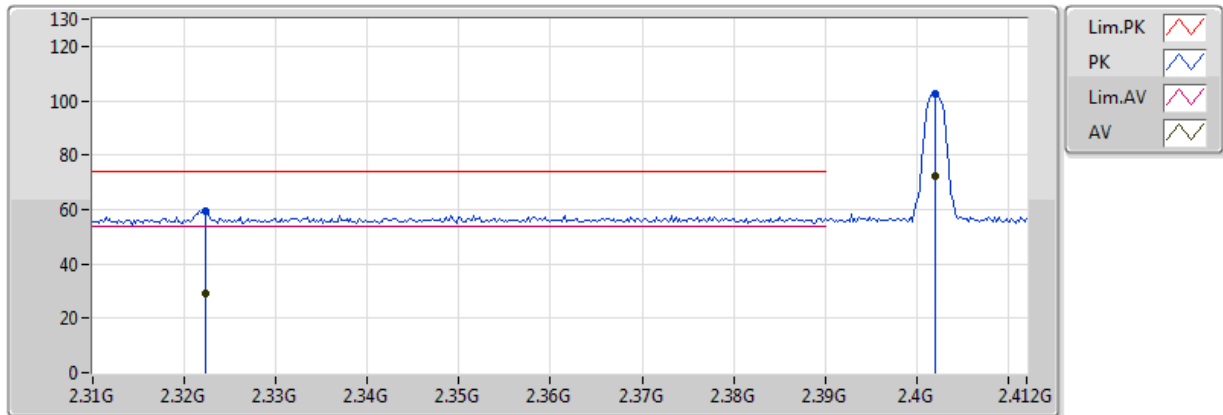


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.47968G	69.09	Inf	-Inf	31.52	3	H	NaN	NaN	-
AV	2.496G	37.64	54.00	-16.36	31.58	3	H	NaN	NaN	-
PK	2.47968G	99.19	Inf	-Inf	31.52	3	H	NaN	NaN	-
PK	2.496G	57.74	74.00	-16.26	31.58	3	H	NaN	NaN	-

BT-EDR(2Mbps)

2402MHz_Adapter

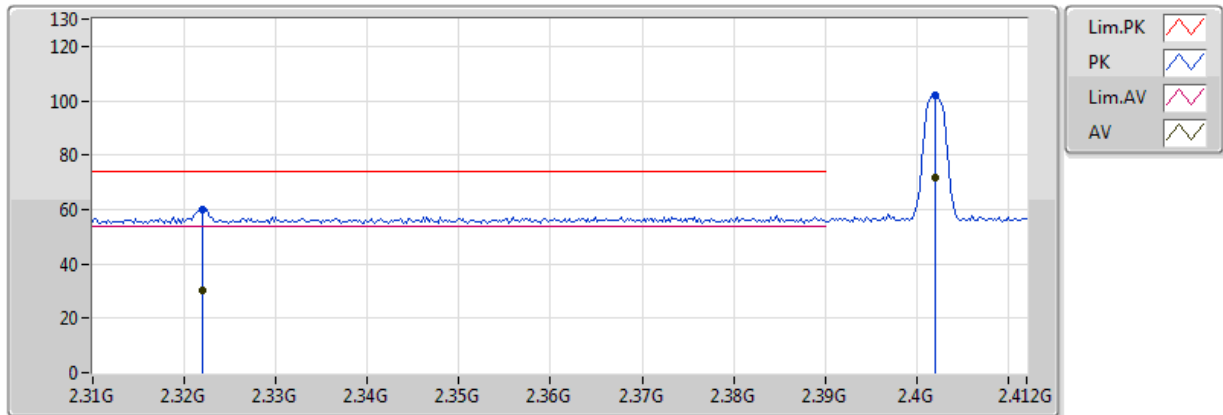


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.32224G	29.17	54.00	-24.83	30.94	3	V	NaN	NaN	-
AV	2.402004G	72.30	Inf	-Inf	31.24	3	V	NaN	NaN	-
PK	2.32224G	59.27	74.00	-14.73	30.94	3	V	NaN	NaN	-
PK	2.402004G	102.40	Inf	-Inf	31.24	3	V	NaN	NaN	-

BT-EDR(2Mbps)

2402MHz_Adapter

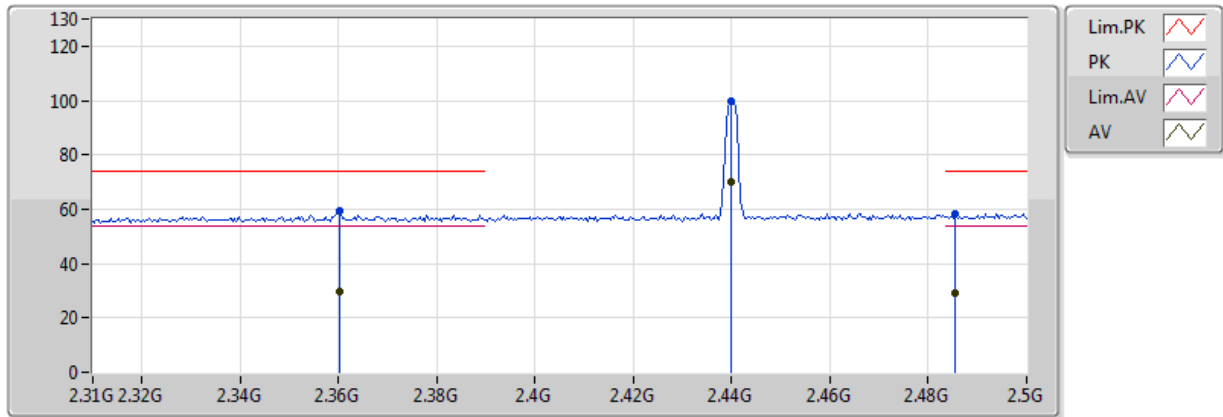


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.322036G	29.98	54.00	-24.02	30.94	3	H	NaN	NaN	-
AV	2.402004G	71.97	Inf	-Inf	31.24	3	H	NaN	NaN	-
PK	2.322036G	60.08	74.00	-13.92	30.94	3	H	NaN	NaN	-
PK	2.402004G	102.07	Inf	-Inf	31.24	3	H	NaN	NaN	-

BT-EDR(2Mbps)

2440MHz_Adapter

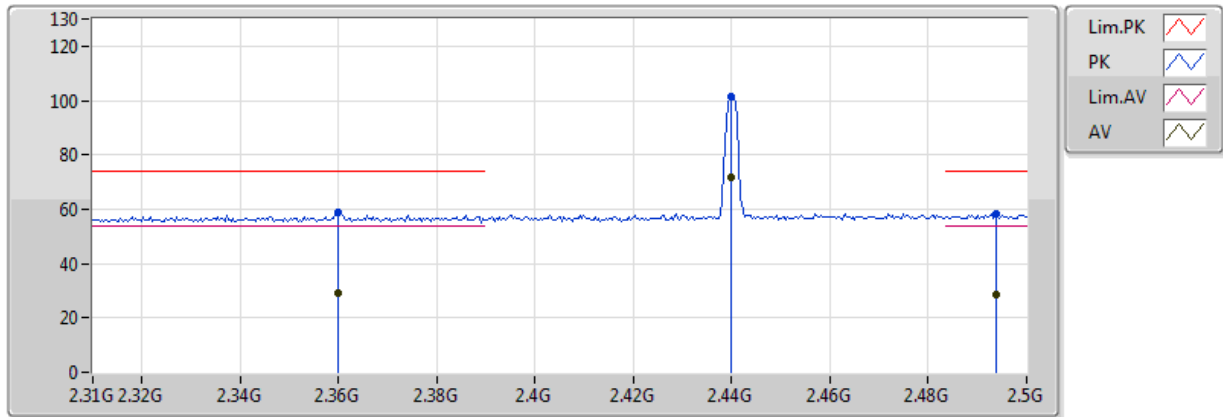


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.36016G	29.57	54.00	-24.43	31.08	3	V	NaN	NaN	-
AV	2.43996G	69.92	Inf	-Inf	31.37	3	V	NaN	NaN	-
AV	2.48556G	29.39	54.00	-24.61	31.54	3	V	NaN	NaN	-
PK	2.36016G	59.67	74.00	-14.33	31.08	3	V	NaN	NaN	-
PK	2.43996G	100.02	Inf	-Inf	31.37	3	V	NaN	NaN	-
PK	2.48556G	58.49	74.00	-15.51	31.54	3	V	NaN	NaN	-

BT-EDR(2Mbps)

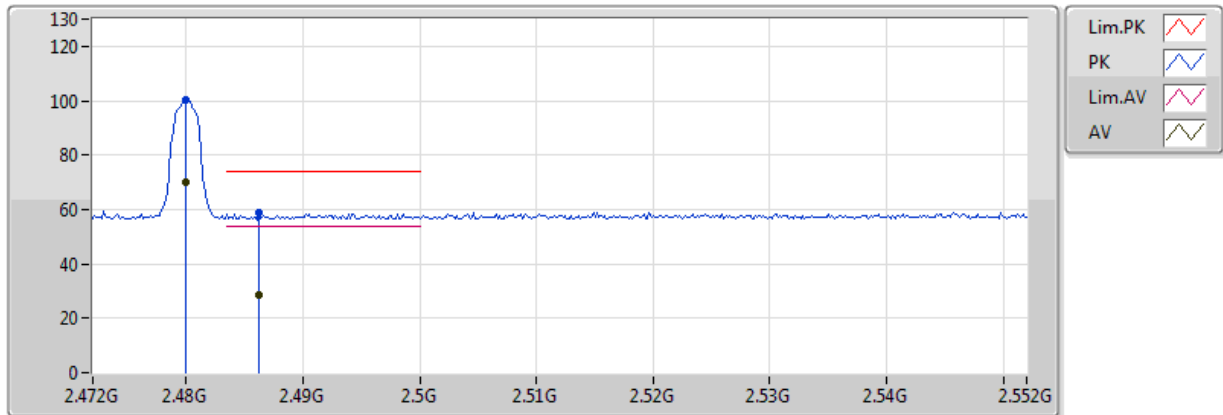
2440MHz_Adapter



Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.35978G	28.91	54.00	-25.09	31.08	3	H	NaN	NaN	-
AV	2.43996G	71.47	Inf	-Inf	31.37	3	H	NaN	NaN	-
AV	2.49392G	28.32	54.00	-25.68	31.57	3	H	NaN	NaN	-
PK	2.35978G	59.01	74.00	-14.99	31.08	3	H	NaN	NaN	-
PK	2.43996G	101.57	Inf	-Inf	31.37	3	H	NaN	NaN	-
PK	2.49392G	58.42	74.00	-15.58	31.57	3	H	NaN	NaN	-

BT-EDR(2Mbps)

2480MHz_Adapter

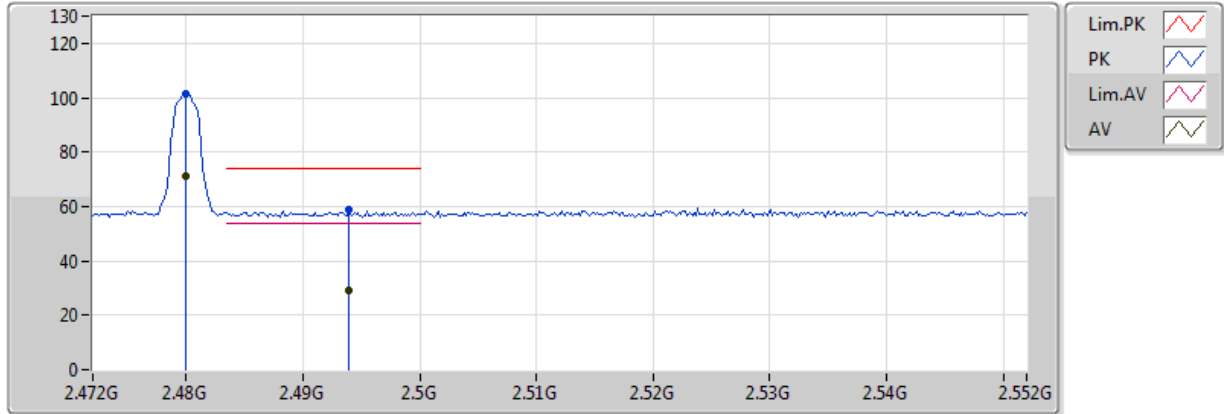


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.48G	69.94	Inf	-Inf	31.52	3	V	NaN	NaN	-
AV	2.48624G	28.55	54.00	-25.45	31.54	3	V	NaN	NaN	-
PK	2.48G	100.04	Inf	-Inf	31.52	3	V	NaN	NaN	-
PK	2.48624G	58.65	74.00	-15.35	31.54	3	V	NaN	NaN	-

BT-EDR(2Mbps)

2480MHz_Adapter

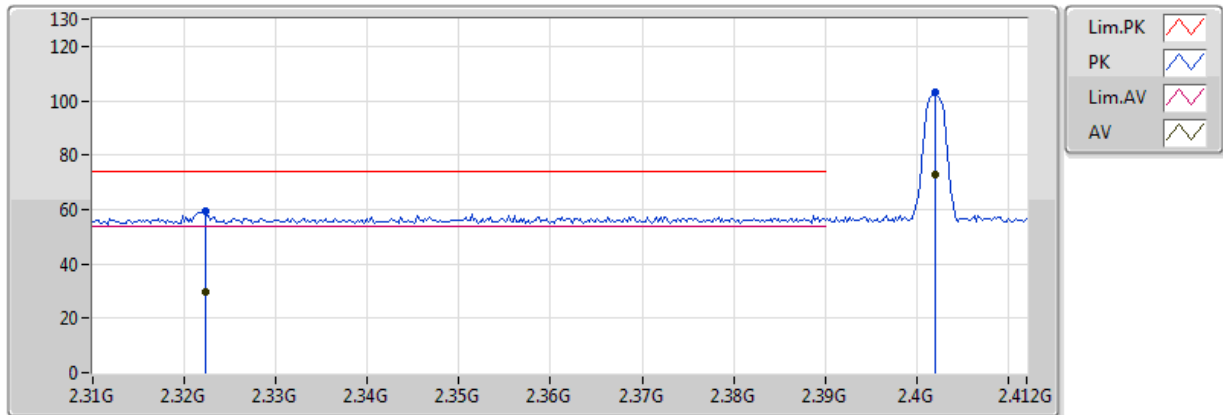


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.48G	71.29	Inf	-Inf	31.52	3	H	NaN	NaN	-
AV	2.49392G	28.87	54.00	-25.13	31.57	3	H	NaN	NaN	-
PK	2.48G	101.39	Inf	-Inf	31.52	3	H	NaN	NaN	-
PK	2.49392G	58.97	74.00	-15.03	31.57	3	H	NaN	NaN	-

BT-EDR(3Mbps)

2402MHz_Adapter

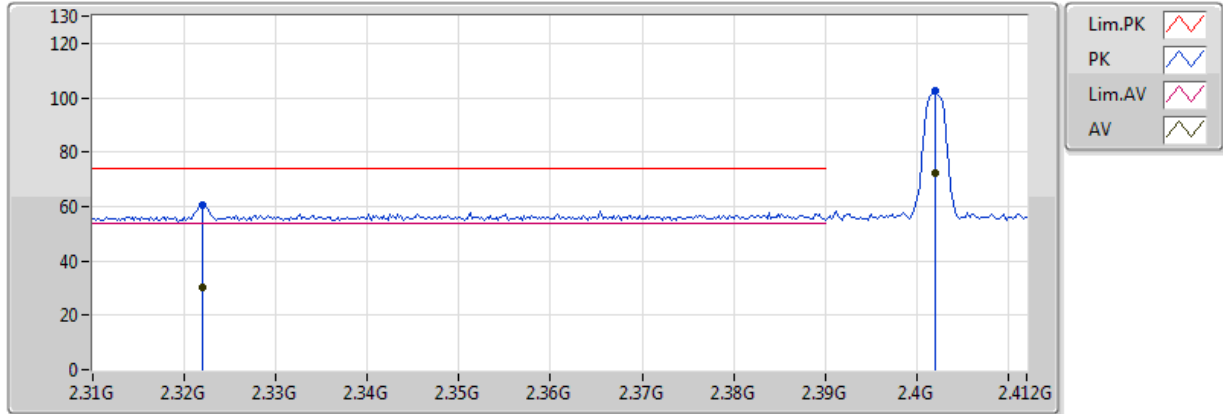


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.32224G	29.53	54.00	-54.00	30.94	3	V	NaN	NaN	-
AV	2.402004G	72.75	Inf	-Inf	31.24	3	V	NaN	NaN	-
PK	2.32224G	59.63	74.00	-14.37	30.94	3	V	NaN	NaN	-
PK	2.402004G	102.85	Inf	-Inf	31.24	3	V	NaN	NaN	-

BT-EDR(3Mbps)

2402MHz_Adapter

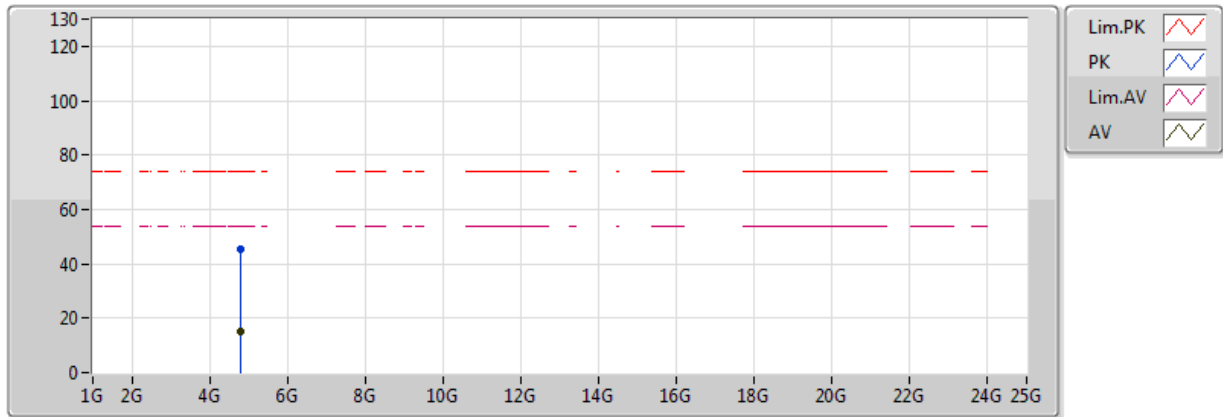


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.322036G	30.27	54.00	-23.73	30.94	3	H	NaN	NaN	-
AV	2.402004G	72.37	Inf	-Inf	31.24	3	H	NaN	NaN	-
PK	2.322036G	60.37	74.00	-13.63	30.94	3	H	NaN	NaN	-
PK	2.402004G	102.47	Inf	-Inf	31.24	3	H	NaN	NaN	-

BT-EDR(3Mbps)

2402MHz_Adapter

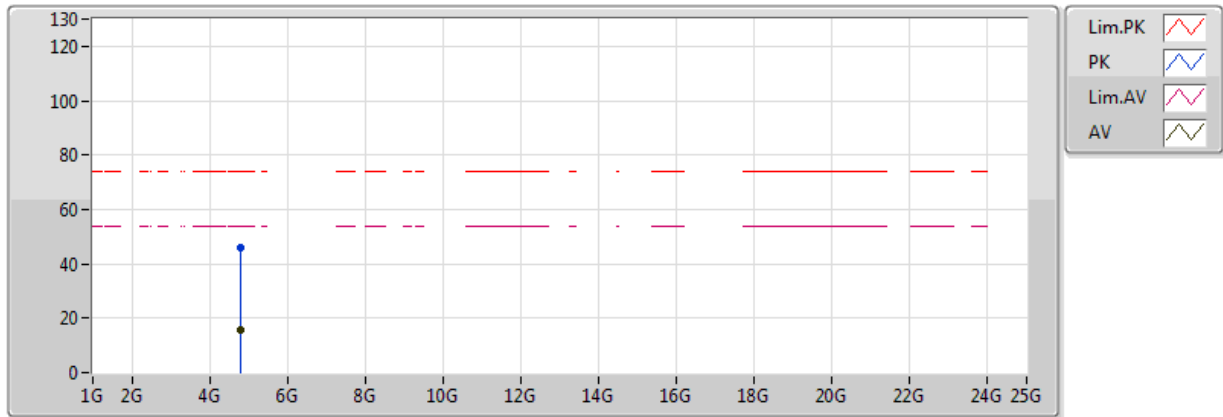


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.804G	15.35	54.00	-38.65	2.41	3	V	NaN	NaN	-
PK	4.804G	45.45	74.00	-28.55	2.41	3	V	NaN	NaN	-

BT-EDR(3Mbps)

2402MHz_Adapter

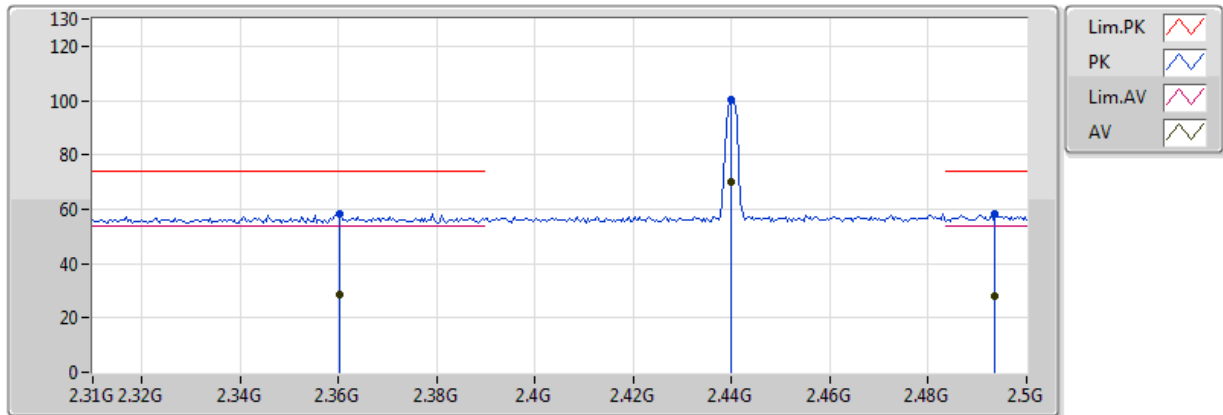


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.804G	15.76	54.00	-38.24	2.41	3	H	NaN	NaN	-
PK	4.804G	45.86	74.00	-28.14	2.41	3	H	NaN	NaN	-

BT-EDR(3Mbps)

2440MHz_Adapter

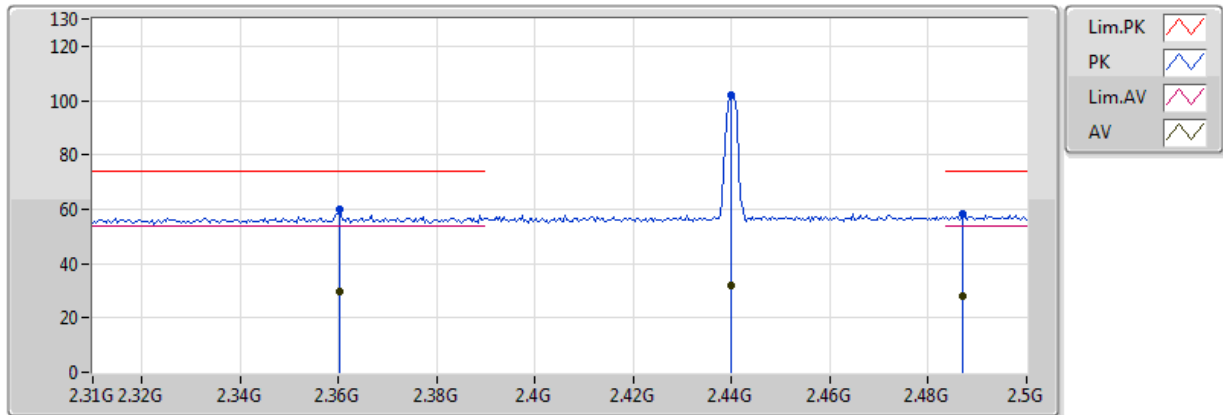


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.36016G	28.44	54.00	-25.56	31.08	3	V	NaN	NaN	-
AV	2.43996G	70.28	Inf	-Inf	31.37	3	V	NaN	NaN	-
AV	2.49354G	28.14	54.00	-25.86	31.57	3	V	NaN	NaN	-
PK	2.36016G	58.54	74.00	-15.46	31.08	3	V	NaN	NaN	-
PK	2.43996G	100.38	Inf	-Inf	31.37	3	V	NaN	NaN	-
PK	2.49354G	58.24	74.00	-15.76	31.57	3	V	NaN	NaN	-

BT-EDR(3Mbps)

2440MHz_Adapter

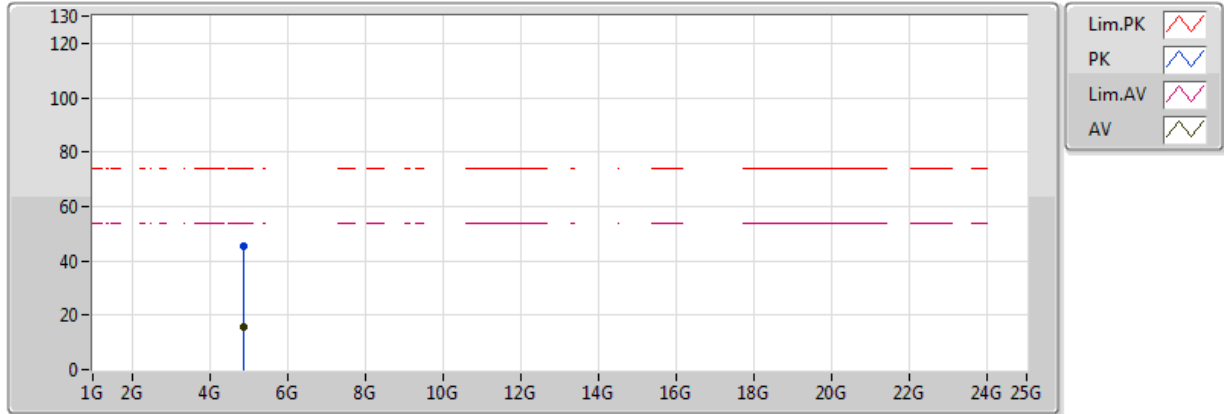


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.36016G	29.81	54.00	-24.19	31.08	3	H	NaN	NaN	-
AV	2.43996G	31.85	Inf	-Inf	31.37	3	H	NaN	NaN	-
AV	2.48708G	28.01	54.00	-25.99	31.54	3	H	NaN	NaN	-
PK	2.36016G	59.91	74.00	-14.09	31.08	3	H	NaN	NaN	-
PK	2.43996G	101.95	Inf	-Inf	31.37	3	H	NaN	NaN	-
PK	2.48708G	58.11	74.00	-15.89	31.54	3	H	NaN	NaN	-

BT-EDR(3Mbps)

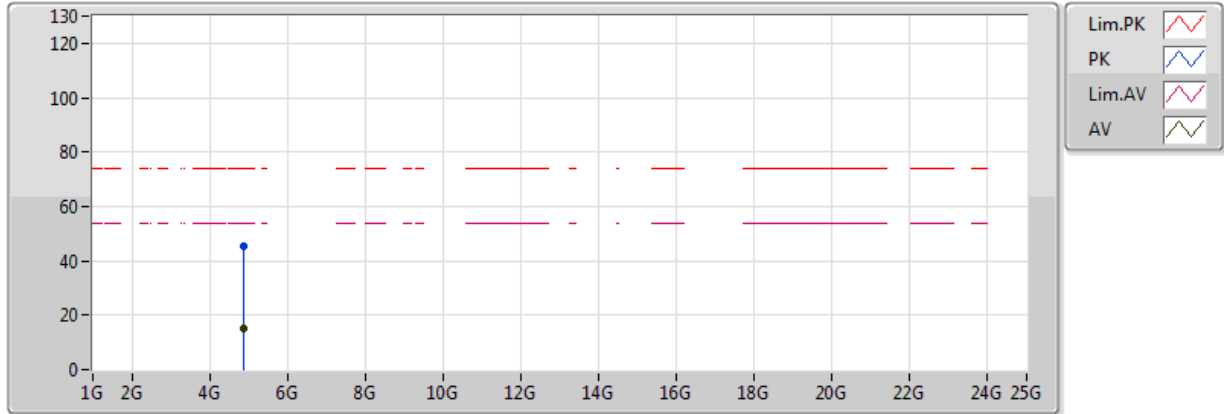
2440MHz_Adapter



Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.88G	15.41	54.00	-38.59	2.53	3	V	NaN	NaN	-
PK	4.88G	45.51	74.00	-28.49	2.53	3	V	NaN	NaN	-

BT-EDR(3Mbps)

2440MHz_Adapter

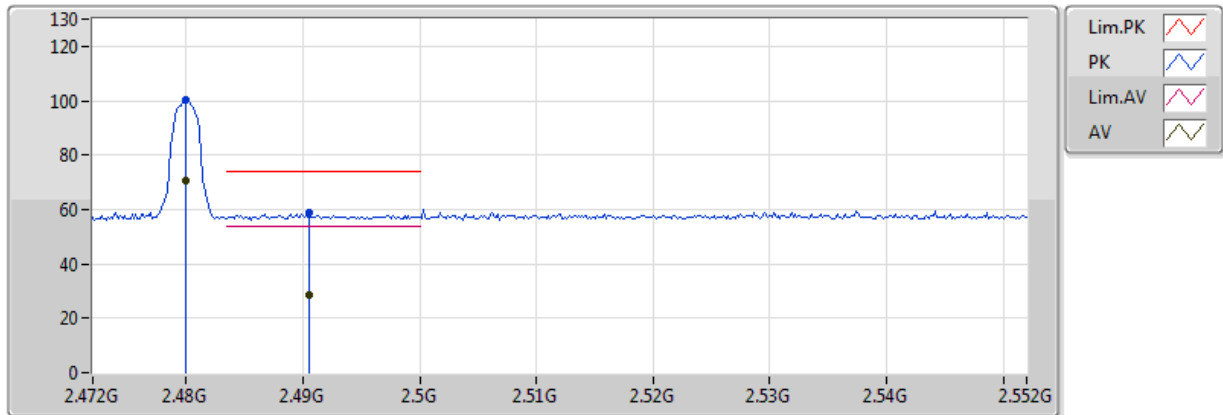


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.88G	15.31	54.00	-38.69	2.53	3	H	NaN	NaN	-
PK	4.88G	45.41	74.00	-28.59	2.53	3	H	NaN	NaN	-

BT-EDR(3Mbps)

2480MHz_Adapter

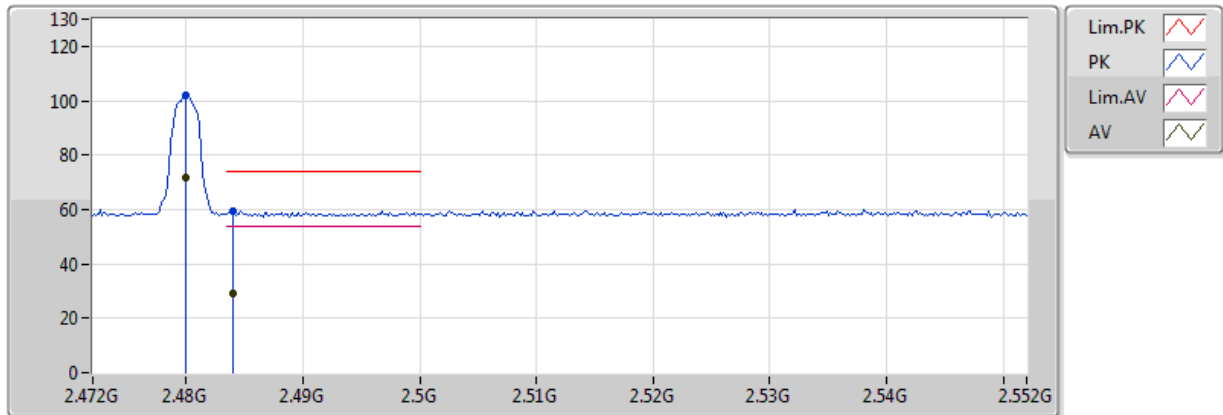


Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.48G	70.33	Inf	-Inf	31.52	3	V	NaN	NaN	-
AV	2.49056G	28.48	54.00	-25.52	31.56	3	V	NaN	NaN	-
PK	2.48G	100.43	Inf	-Inf	31.52	3	V	NaN	NaN	-
PK	2.49056G	58.58	74.00	-15.42	31.56	3	V	NaN	NaN	-

BT-EDR(3Mbps)

2480MHz_Adapter



Adapter Mode
ENT = A+B
EUT = Y axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.48G	71.86	Inf	-Inf	31.52	3	H	NaN	NaN	-
AV	2.484G	29.27	54.00	-24.73	31.53	3	H	NaN	NaN	-
PK	2.48G	101.96	Inf	-Inf	31.52	3	H	NaN	NaN	-
PK	2.484G	59.37	74.00	-14.63	31.53	3	H	NaN	NaN	-

BT-EDR(3Mbps)

2480MHz_Adapter



BT-EDR(3Mbps)

2480MHz_Adapter

