FCC Test Report

Equipment	:	**Mobile Terminal System**
Brand Name	:	**POSIFLEX**
Model No.	:	**MT-4XXXXXX(where X can be 0-9, A-Z,blank or symbol)**
FCC ID	:	**V93MT4300W**
Standard	:	**47 CFR FCC Part 15.247**
Operating Band	:	**2400 MHz – 2483.5 MHz**
Applicant	:	**POSIFLEX TECHNOLOGY, INC. No.23, Datong St., Tucheng Dist., New Taipei City 23679, Taiwan (R.O.C.)**
Manufacturer	:	**POSIFLEX TECHNOLOGY, INC. No.23, Datong St., Tucheng Dist., New Taipei City 23679, Taiwan (R.O.C.)**

The product sample received on Mar. 06, 2017 and completely tested on Oct. 11, 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 INTERNATIONALINC., the test report shall not be reproduced except in full.

Phoenix Chen / Assistant Manager

Testing Laboratory
1190

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APPENDIX I. 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	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

Revision History

Report No.	Version	Description	Issued Date
FR4O0804-02AD	Rev. 01	Initial issue of report	Oct. 25, 2017

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 π/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	Gain (dBi)
1	1	Unictron	HE014	PCB Antenna	I-PEX	0.6

1.1.3 EUT Information

Operational Condition		
EUT Power Type	From AC Adapter	
RF Chip	AP6255	
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) ≥ 1/T
BT-BR(1Mbps)	0.567	2.464	2.216m	1k
BT-EDR(2Mbps)	0.303	5.186	1.194m	1k
BT-EDR(3Mbps)	0.212	6.737	849.375u	3k

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	TH01-HY	Ryan	24.5°C / 65%	11/Oct/2017
Radiated	03CH02-HY	Andy	23.5°C / 55%	03/Aug/2017
AC Conduction	CO04-HY	Eric	23.5°C / 55%	25/Sep/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

Condition Item	Abbreviation/Remark	Remark
TnomVnom	Tnom	20°C
-	Vnom	110V

2.2 Test Channel Mode

Test Software	Win8DUTApp.exe

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

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	**X Plane**	**Y Plane**	**Z Plane**
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA4O0804-02 for Co-location RF Exposure Evaluation and Appendix H for Radiated Emission Co-location.	

2.4 Accessories

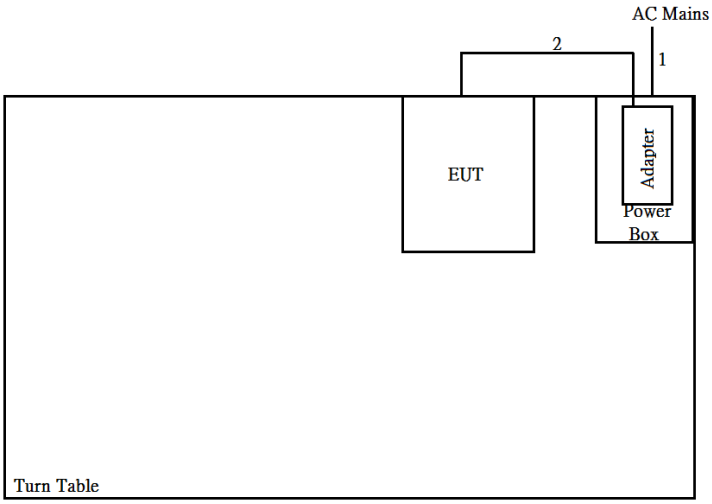
Accessories				
AC Adapter	Brand Name	AOEM	Model Name	ADS0248T-W050300
	Power Rating	I/P: 100- 240 V~50-60Hz 0.6 A, O/P: 5 V⎓3.0 A		
	Power Cord	1.19 meter, non-shielded cable, w/o ferrite core		
USB Cable	Brand Name	-	Model Name	-
	Signal Line	0.06 meter, non-shielded cable		
Rechargeable Li-ion Polymer Battery	Brand Name	McNair	Model Name	MLP3872134
	Power Rating	3.7 V⎓4800 mAh 17.76Wh		
Rechargeable Li-ion Battery Pack	Brand Name	POSIFLEX	Model Name	RB-3000
	Power Rating	3.7 V⎓5000 mAh 18.5Wh		

2.5 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	N/A

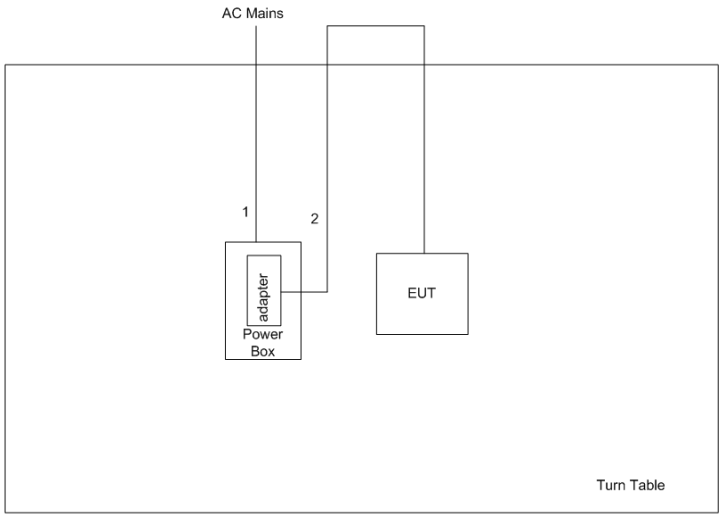
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8	-
2	DC Power line	No	1.19	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.8	-
2	DC Power line	No	1.19	-

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

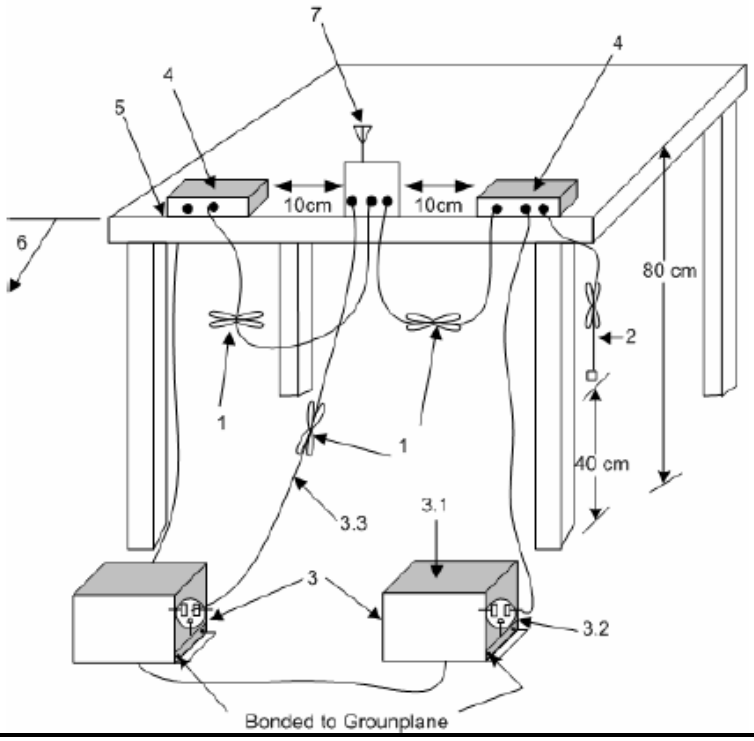
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



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 ≥50 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 250 kHz.
	▪ 50 >N≥25 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth>250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ N ≥75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz).
	▪ 75>N ≥ 15 and ChS ≥ MAX (20 dB bandwidth 2/3,25 kHz).
▪ 5725-5850 MHz Band:	
	▪ N ≥ 75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 1 MHz.
N:Number of Hopping Frequencies; **ChS**: Hopping Channel Separation	

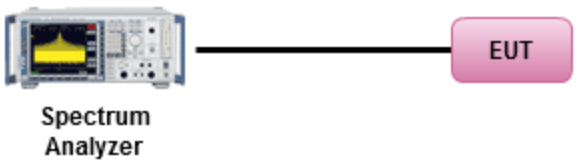
3.2.2 Measuring Instruments

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

20dB Bandwidth and Carrier Frequency Separation


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 ≥50; Power 30dBm; EIRP 36dBm
	▪ 50 >N≥ 25; Power 24dBm; EIRP 30dBm
▪ 2400-2483.5 MHz Band:	
	▪ N ≥ 75; Power 30dBm; EIRP 36dBm
	▪ 75 >N ≥ 15; Power 21dBm; EIRP 27dBm
▪ 5725-5850 MHz Band:	
	▪ N ≥ 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

Maximum Conducted Output Power (Peak Power Meter)

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 ≥50 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 250 kHz.
	▪ 50 >N≥ 25 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth>250 kHz.
▪ 2400-2483.5 MHz Band:	
	▪ N ≥ 75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz).
	▪ 75 >N ≥ 15 and ChS ≥ MAX (20 dB bandwidth 2/3,25 kHz).
▪ 5725-5850 MHz Band:	
	▪ N ≥ 75 and ChS ≥ MAX (20 dB bandwidth, 25 kHz); 20 dB bandwidth≤ 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

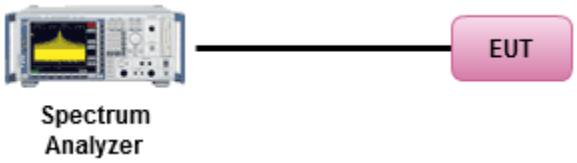
3.4.3 Measuring Instruments

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

Number of Hopping Frequencies and Hopping Frequencies Bandedge


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 ≥50; 0.4s in 20s period
	▪ 50 >N≥ 25; 0.4s in 10s period
▪ 2400-2483.5 MHz Band:	
	▪ N ≥ 75; 0.4s in N x 0.4 period
	▪ 75 >N ≥ 15; 0.4s in N x 0.4 period
▪ 5725-5850 MHz Band:	
	▪ N ≥ 75; 0.4s in 30s period
N:Number of Hopping Frequencies	

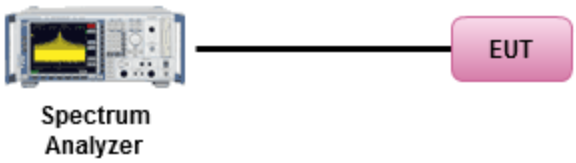
3.5.2 Measuring Instruments

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

Time of Occupancy (Dwell Time)


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

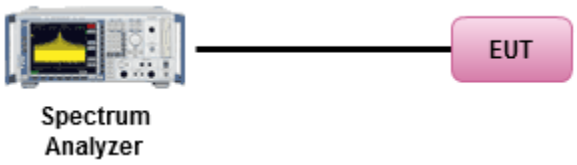
Refer a test equipment and calibration data table in this test report.

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

Emissions in Non-restricted Frequency Bands



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 below30 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.

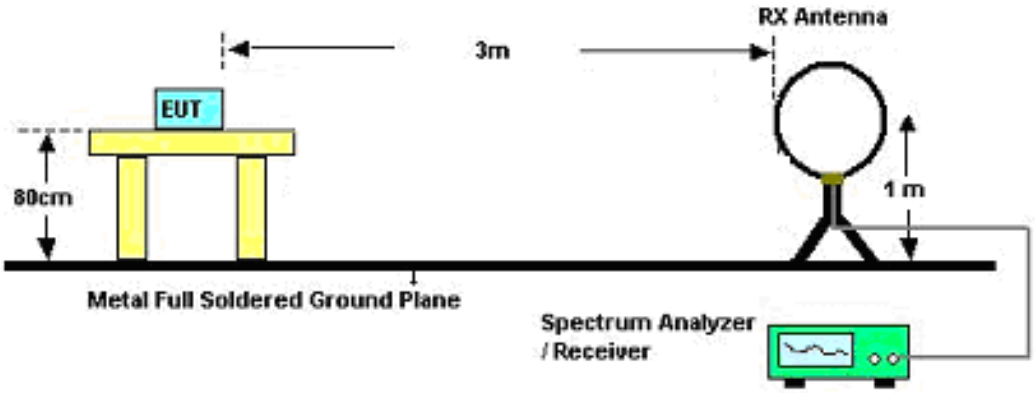
3.7.3 Test Procedures

Test Method	
▪ 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.

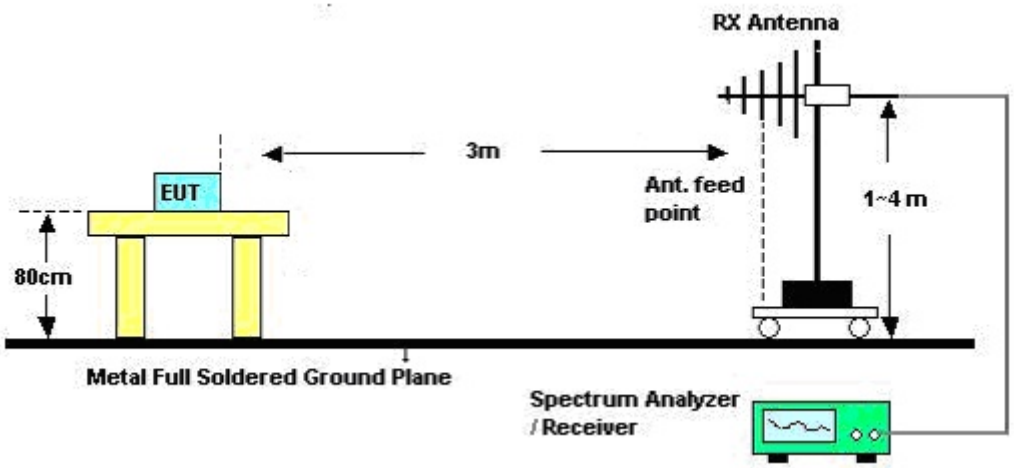
3.7.4 Test Setup

Emissions in Restricted Frequency Bands

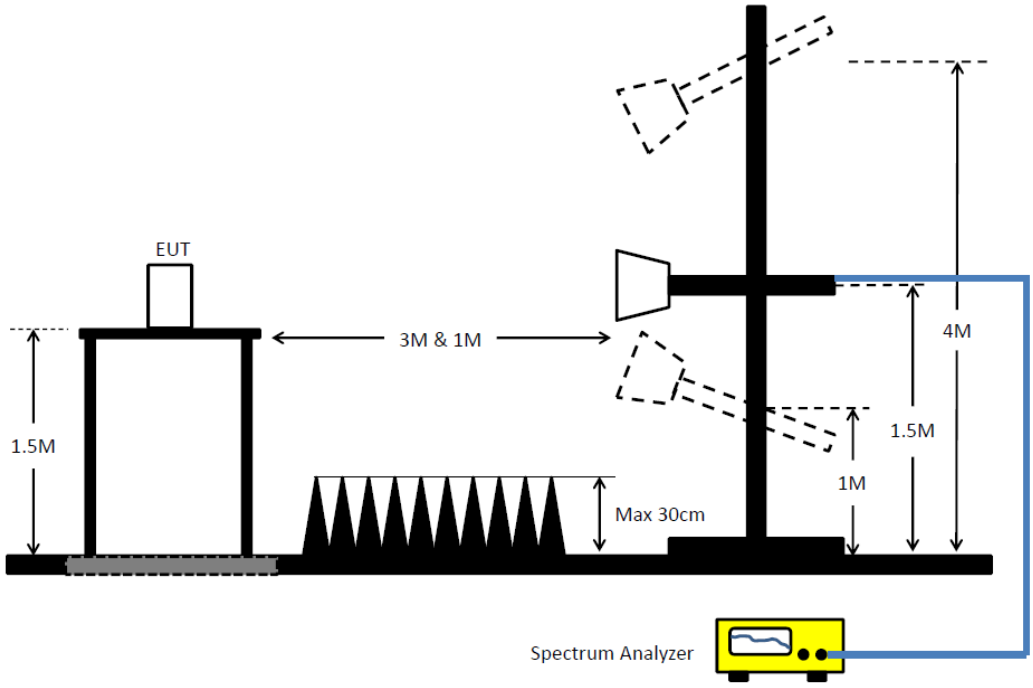
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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. All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.7.6 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/2016	14/Nov/2017
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

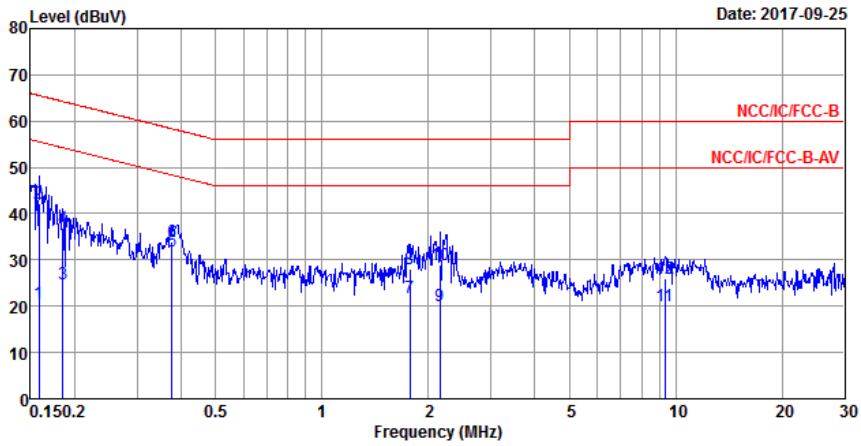
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	21/Oct/2016	20/Oct/2017
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	Agilent	8449B	3008A02373	1GHz-26.5GHz	02/Sep/2016	01/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
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	ESU-26	100422/026	20Hz~26.5GHz	21/Sep/2016	20/Sep/2017

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018

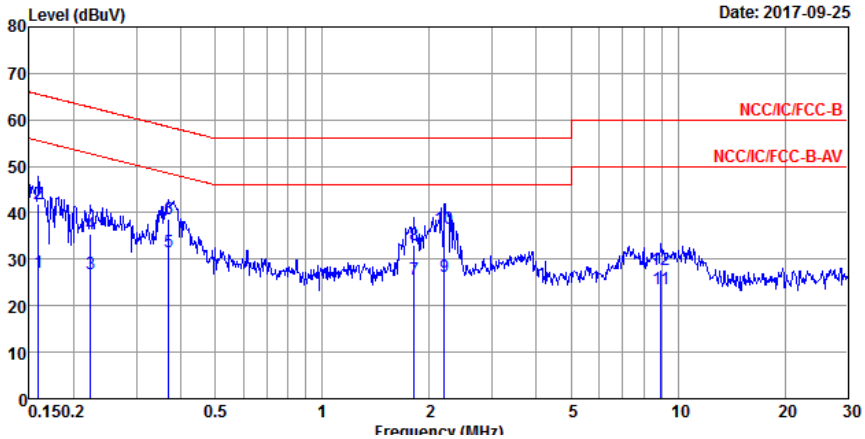
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15816	20.67	-34.89	55.56	10.83	9.61	0.23	Average
2	0.15816	42.31	-23.25	65.56	32.47	9.61	0.23	QP
3	0.18541	24.83	-29.41	54.24	14.90	9.65	0.28	Average
4	0.18541	36.95	-27.29	64.24	27.02	9.65	0.28	QP
5 MAX	0.37711	31.90	-16.44	48.34	22.15	9.63	0.12	Average
6	0.37711	34.01	-24.33	58.34	24.26	9.63	0.12	QP
7	1.77162	21.86	-24.14	46.00	11.96	9.64	0.26	Average
8	1.77162	27.99	-28.01	56.00	18.09	9.64	0.26	QP
9	2.15531	20.02	-25.98	46.00	10.08	9.66	0.28	Average
10	2.15531	28.83	-27.17	56.00	18.89	9.66	0.28	QP
11	9.30237	20.02	-29.98	50.00	10.09	9.74	0.19	Average
12	9.30237	25.95	-34.05	60.00	16.02	9.74	0.19	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	0.15900	27.03	-28.49	55.52	17.14	9.66	0.23	Average
2	0.15900	41.80	-23.72	65.52	31.91	9.66	0.23	QP
3	0.22319	26.90	-25.80	52.70	16.98	9.65	0.27	Average
4	0.22319	35.35	-27.35	62.70	25.43	9.65	0.27	QP
5 MAX	0.36920	31.54	-16.98	48.52	21.74	9.68	0.12	Average
6	0.36920	38.75	-19.77	58.52	28.95	9.68	0.12	QP
7	1.80957	25.71	-20.29	46.00	15.67	9.77	0.27	Average
8	1.80957	33.16	-22.84	56.00	23.12	9.77	0.27	QP
9	2.20147	26.27	-19.73	46.00	16.21	9.79	0.27	Average
10	2.20147	36.70	-19.30	56.00	26.64	9.79	0.27	QP
11	8.96368	23.47	-26.53	50.00	13.54	9.74	0.19	Average
12	8.96368	27.85	-32.15	60.00	17.92	9.74	0.19	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)	921.25k	902.049k	902KF1D	916.25k	899.55k
BT-EDR(2Mbps)	1.339M	1.221M	1M22G1D	1.331M	1.214M
BT-EDR(3Mbps)	1.303M	1.222M	1M22G1D	1.289M	1.218M

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;

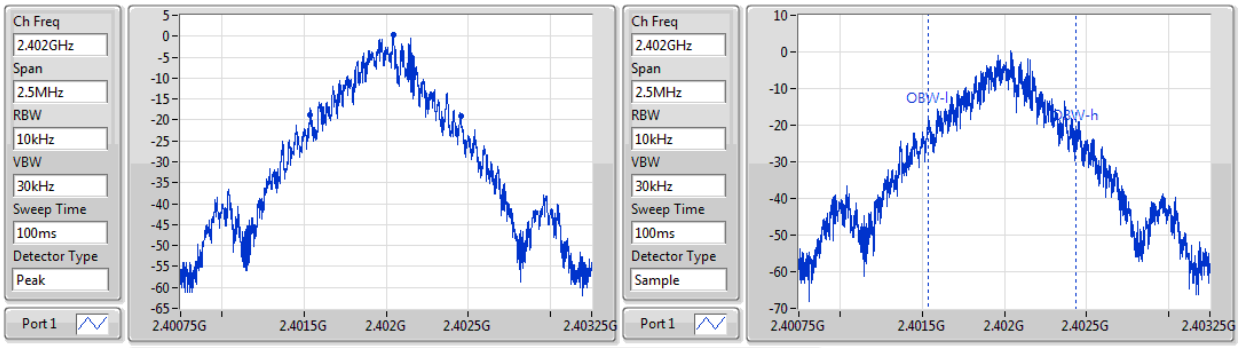
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	Inf	918.75k	899.55k
2441MHz	Pass	Inf	916.25k	900.8k
2480MHz	Pass	Inf	921.25k	902.049k
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.339M	1.214M
2441MHz	Pass	Inf	1.331M	1.217M
2480MHz	Pass	Inf	1.333M	1.221M
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	Inf	1.289M	1.222M
2441MHz	Pass	Inf	1.291M	1.218M
2480MHz	Pass	Inf	1.303M	1.218M

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

BT-BR(1Mbps) EBW

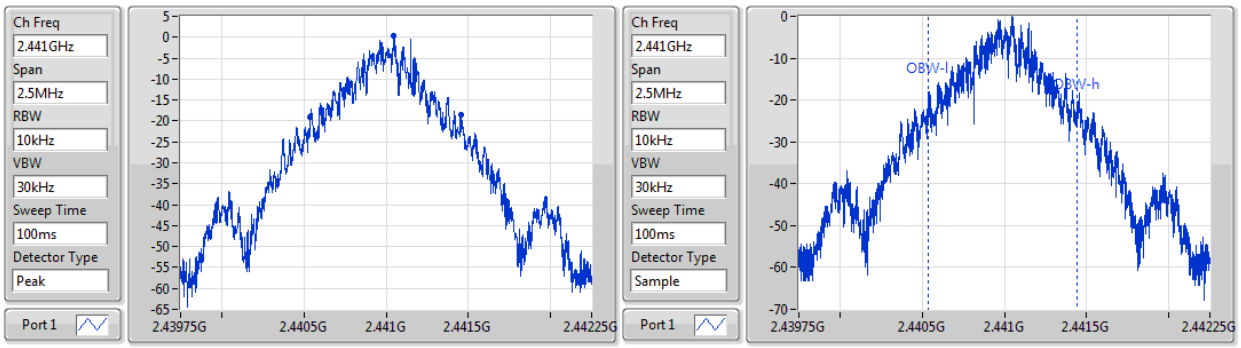
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
918.75k	2.401536G	2.402455G	899.55k	2.401535G	2.402435G	Inf	1

BT-BR(1Mbps) EBW

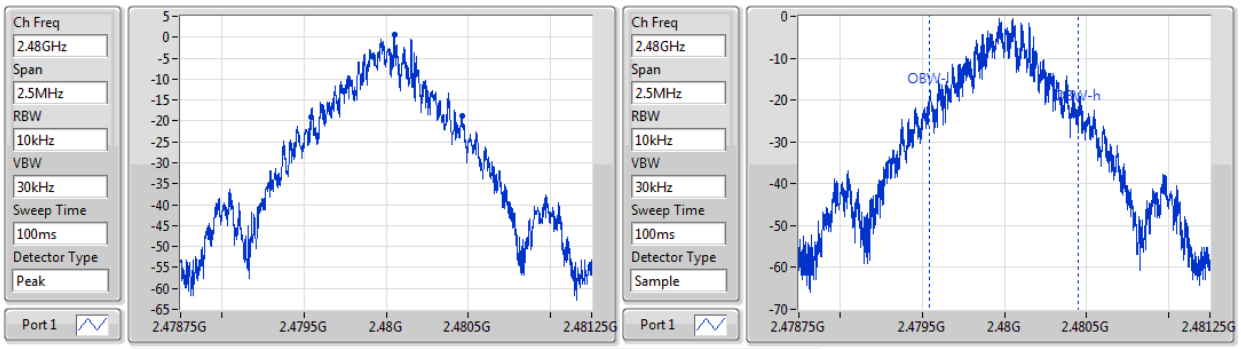
2441MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
916.25k	2.440539G	2.441455G	900.8k	2.44054G	2.441441G	Inf	1

BT-BR(1Mbps) EBW

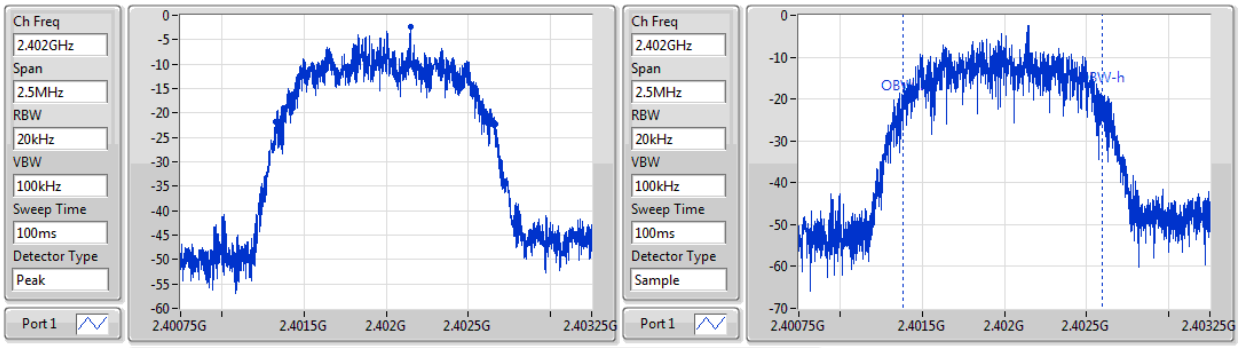
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
921.25k	2.479543G	2.480464G	902.049k	2.479546G	2.480449G	Inf	1

BT-EDR(2Mbps) **EBW**

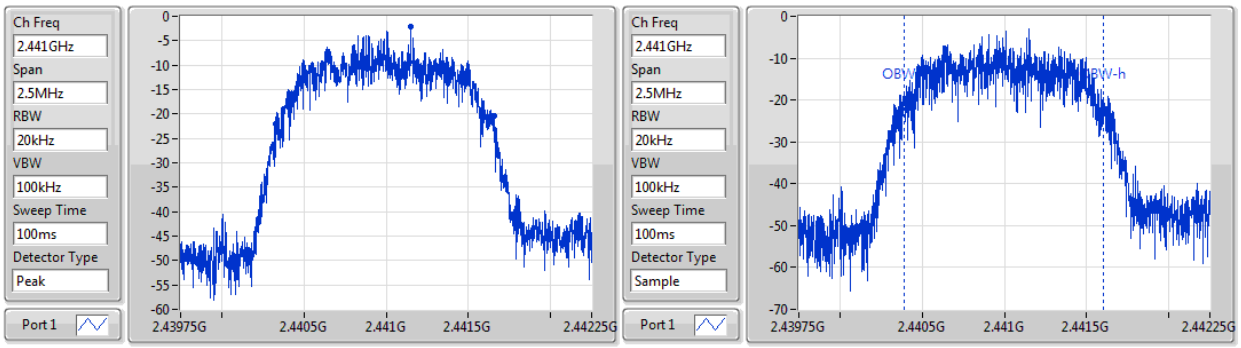
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.339M	2.401328G	2.402666G	1.214M	2.401384G	2.402598G	Inf	1

BT-EDR(2Mbps) **EBW**

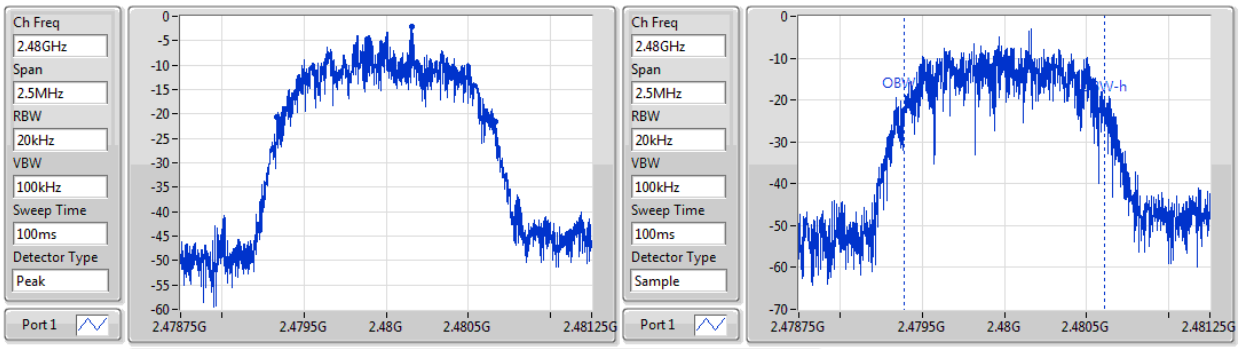
2441MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.331M	2.440325G	2.441656G	1.217M	2.440388G	2.441605G	Inf	1

BT-EDR(2Mbps) **EBW**

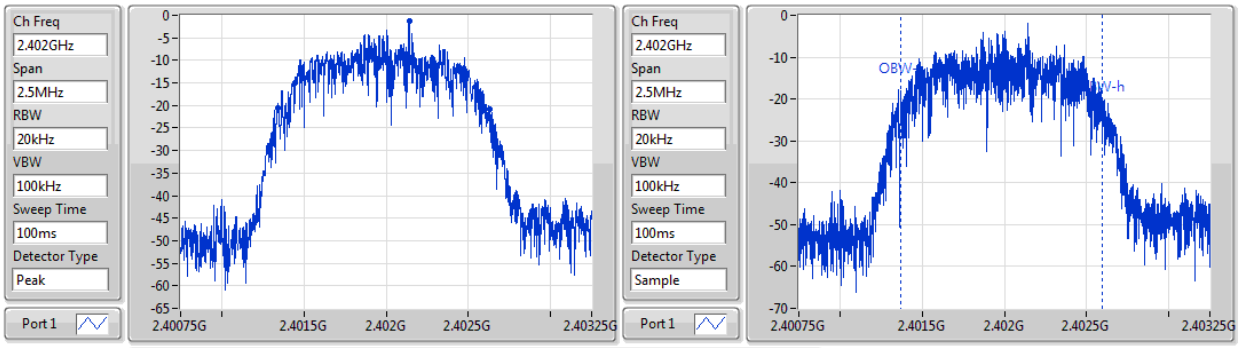
2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.333M	2.479334G	2.480666G	1.221M	2.479392G	2.480612G	Inf	1

BT-EDR(3Mbps) EBW

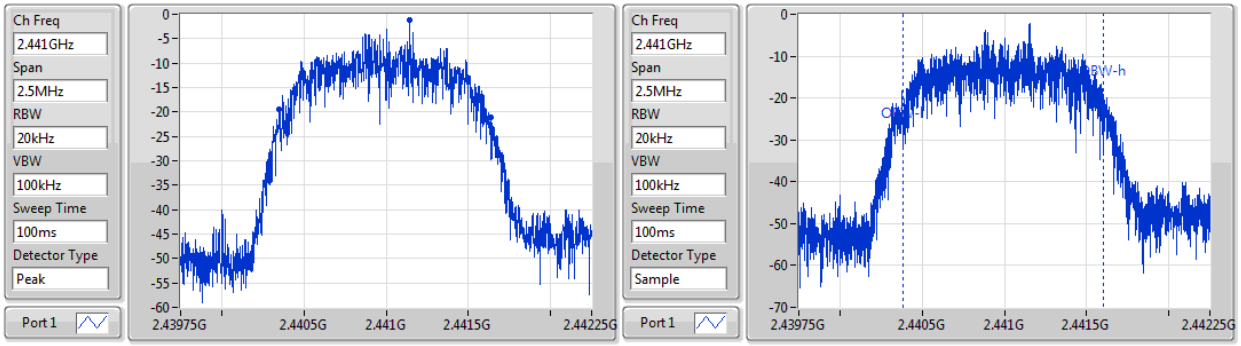
2402MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.289M	2.401339G	2.402628G	1.222M	2.401373G	2.402595G	Inf	1

BT-EDR(3Mbps) EBW

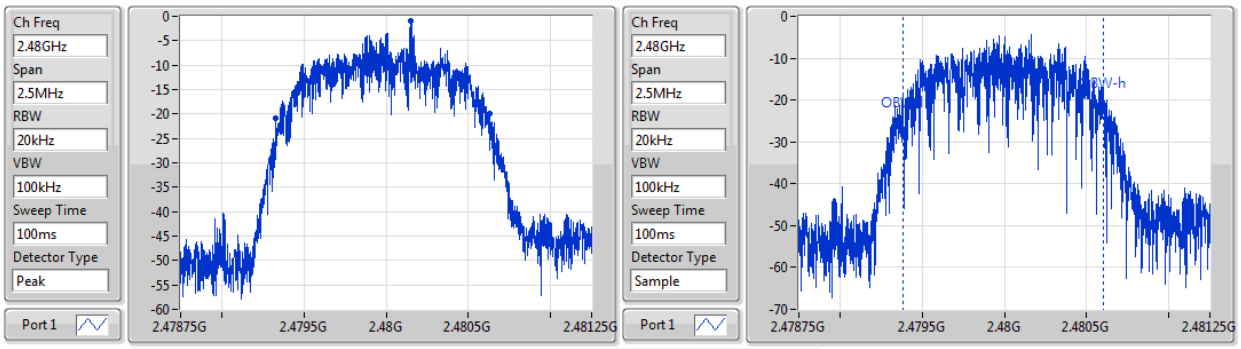
2441MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.291M	2.440349G	2.44164G	1.218M	2.440384G	2.441602G	Inf	1

BT-EDR(3Mbps) EBW

2480MHz



20dB(Hz)	Fl-20dB(Hz)	Fh-20dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
1.303M	2.479328G	2.48063G	1.218M	2.479387G	2.480605G	Inf	1

Channel Separation-FS Result

Summary

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

Result

Mode	Result	Fl (Hz)	Fh (Hz)	Ch.Space (Hz)	Limit (Hz)
BT-BR(1Mbps)	-	-	-	-	-
2402MHz	Pass	2.402145G	2.403144G	999k	611.8875k
2441MHz	Pass	2.441148G	2.442148G	1.0005M	610.2225k
2480MHz	Pass	2.479152G	2.480153G	1.0005M	613.5525k
BT-EDR(2Mbps)	-	-	-	-	-
2402MHz	Pass	2.402146G	2.403145G	999k	891.774k
2441MHz	Pass	2.441152G	2.442153G	1.0005M	886.446k
2480MHz	Pass	2.479155G	2.480156G	1.0005M	887.778k
BT-EDR(3Mbps)	-	-	-	-	-
2402MHz	Pass	2.402145G	2.403144G	999k	858.474k
2441MHz	Pass	2.441148G	2.44215G	1.002M	859.806k
2480MHz	Pass	2.479152G	2.480153G	1.0005M	867.798k

BT-BR(1Mbps) **Channel Separation**

2.402G/2.403GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402145G	2.403144G	999k	611.8875k

BT-BR(1Mbps) **Channel Separation**

2.441G/2.442GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.441148G	2.442148G	1.0005M	610.2225k

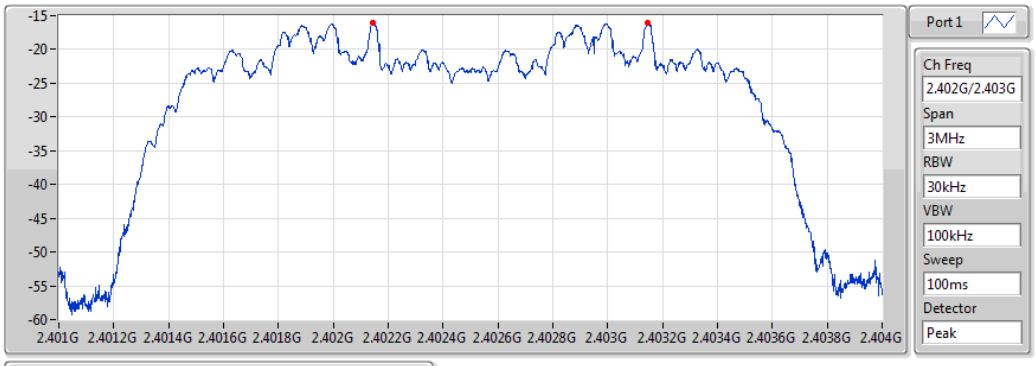
BT-BR(1Mbps) **Channel Separation**

2.48G/2.479GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479152G	2.480153G	1.0005M	613.5525k

BT-EDR(2Mbps) **Channel Separation**

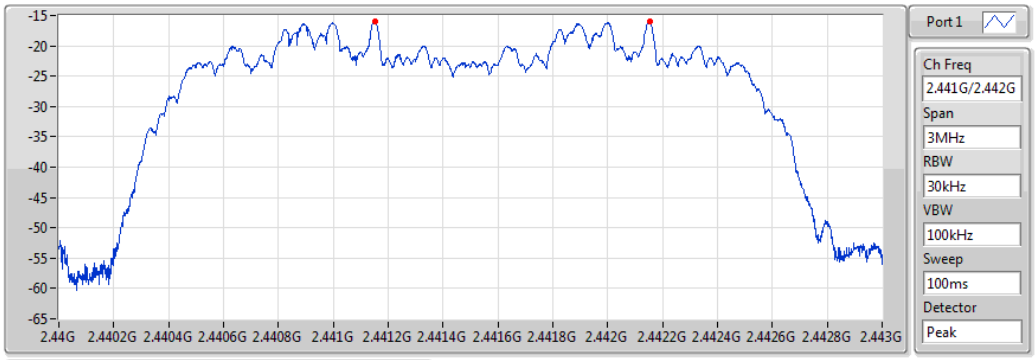
2.402G/2.403GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402146G	2.403145G	999k	891.774k

BT-EDR(2Mbps) **Channel Separation**

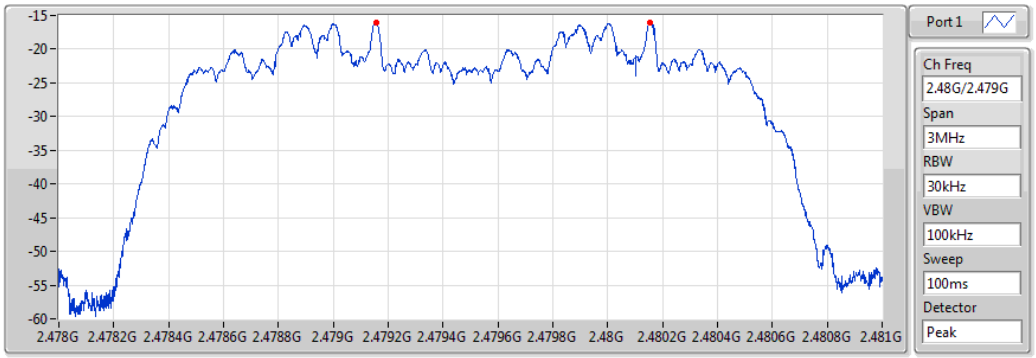
2.441G/2.442GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.441152G	2.442153G	1.0005M	886.446k

BT-EDR(2Mbps) **Channel Separation**

2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479155G	2.480156G	1.0005M	887.778k

BT-EDR(3Mbps) **Channel Separation**

2.402G/2.403GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.402145G	2.403144G	999k	858.474k

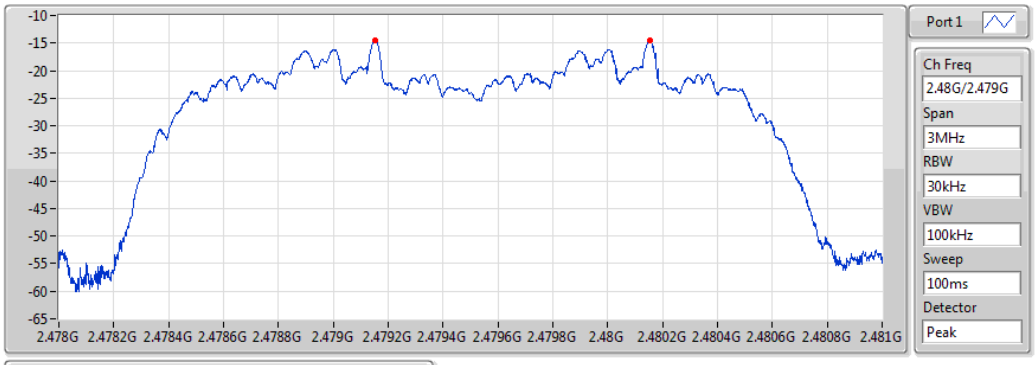
BT-EDR(3Mbps) **Channel Separation**

2.441G/2.442GHz

Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.441148G	2.44215G	1.002M	859.806k

BT-EDR(3Mbps) **Channel Separation**

2.48G/2.479GHz



Fl(Hz)	Fh(Hz)	Ch.Space(Hz)	Limit(Hz)
2.479152G	2.480153G	1.0005M	867.798k

PK Power Result

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	7.69	0.00587
BT-EDR(2Mbps)	5.64	0.00366
BT-EDR(3Mbps)	5.79	0.00379

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	0.60	7.47	21.00
2441MHz	Pass	0.60	7.47	21.00
2480MHz	Pass	0.60	7.69	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	0.60	5.54	21.00
2441MHz	Pass	0.60	5.64	21.00
2480MHz	Pass	0.60	5.55	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	0.60	5.71	21.00
2441MHz	Pass	0.60	5.79	21.00
2480MHz	Pass	0.60	5.72	21.00

Summary

Mode	Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-BR(1Mbps)	7.27	0.00533
BT-EDR(2Mbps)	3.10	0.00204
BT-EDR(3Mbps)	3.00	0.00200

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-BR(1Mbps)	-	-	-	-
2402MHz	Pass	0.60	7.07	21.00
2441MHz	Pass	0.60	7.03	21.00
2480MHz	Pass	0.60	7.27	21.00
BT-EDR(2Mbps)	-	-	-	-
2402MHz	Pass	0.60	2.92	21.00
2441MHz	Pass	0.60	3.10	21.00
2480MHz	Pass	0.60	2.94	21.00
BT-EDR(3Mbps)	-	-	-	-
2402MHz	Pass	0.60	2.96	21.00
2441MHz	Pass	0.60	3.00	21.00
2480MHz	Pass	0.60	2.91	21.00

Summary

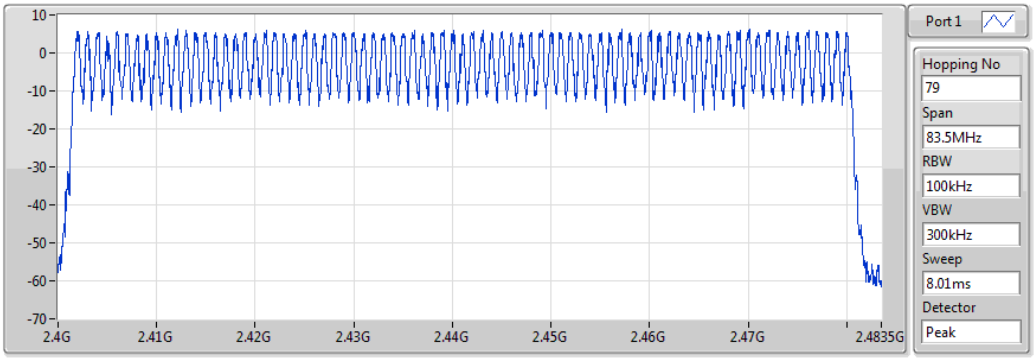
Mode	Max-Hop No
2.4-2.4835GHz	-
BT-BR(1Mbps)	79
BT-EDR(2Mbps)	79
BT-EDR(3Mbps)	79

Result

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

BT-BR(1Mbps) **Hopping Ch**

2441MHz

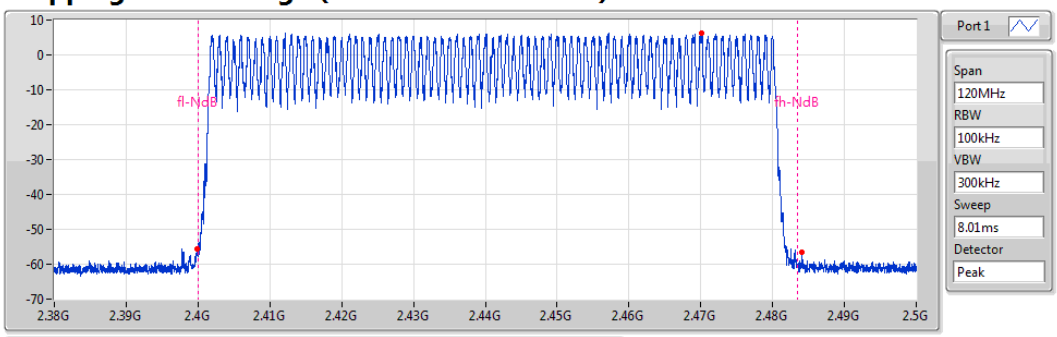


Hopping No	Limit
79	15

BT-BR(1Mbps)

2441MHz

Hopping Ch Bandedge (Non-restricted Band)

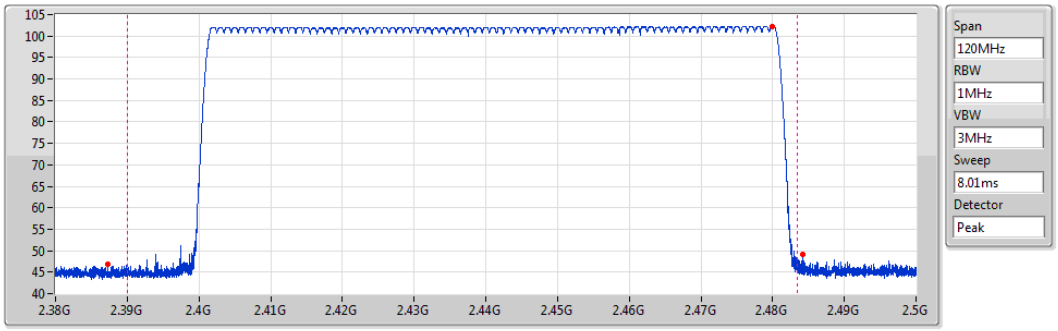


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-13.71	2.470165G	6.29	2.39986G	-55.53	2.484055G	-56.47

BT-BR(1Mbps)

2441MHz

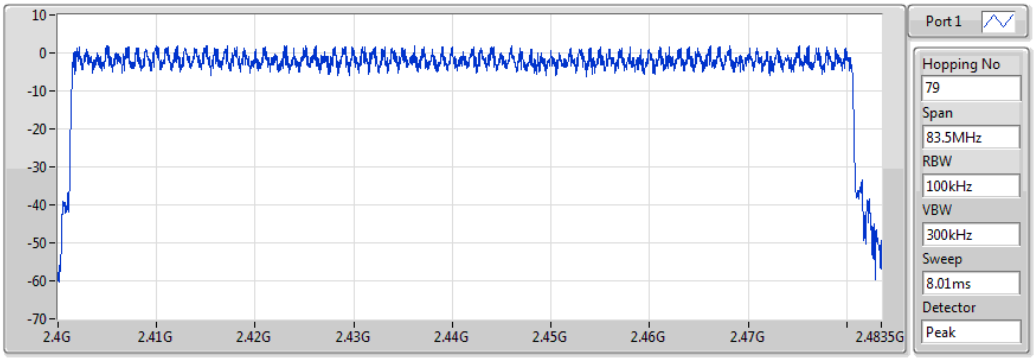
Hopping Ch Bandedge (Restricted Band)



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.479885G	102.24	2.387305G	46.77	13.81	2.48422G	49.23	16.27	74	54	2.249	-32.96

BT-EDR(2Mbps) **Hopping Ch**

2441MHz

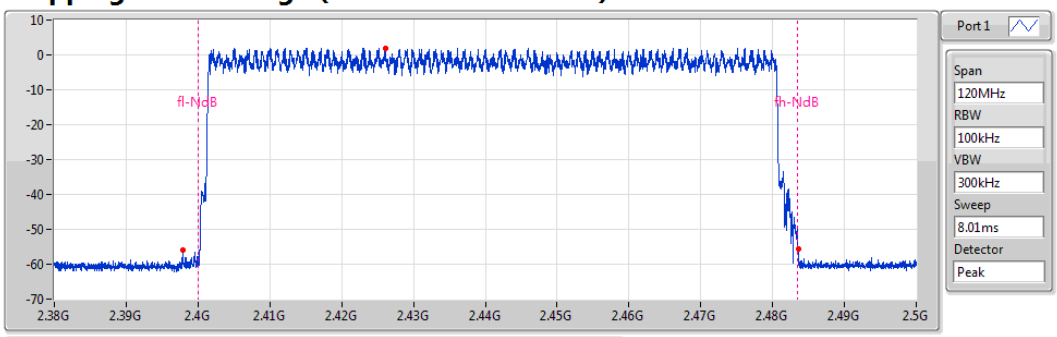


Hopping No	Limit
79	15

BT-EDR(2Mbps)

2441MHz

Hopping Ch Bandedge (Non-restricted Band)

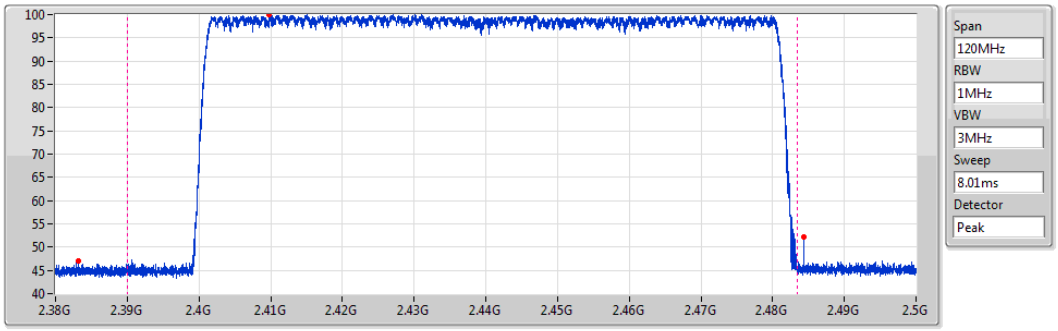


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-18.03	2.426155G	1.97	2.397865G	-55.89	2.483545G	-55.49

BT-EDR(2Mbps)

2441MHz

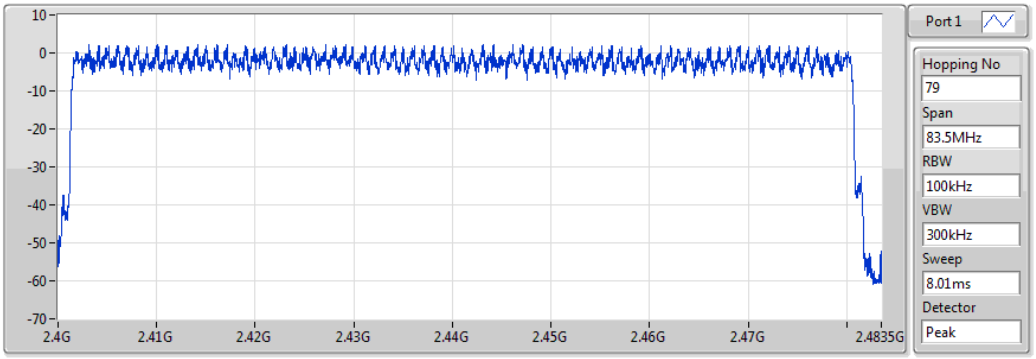
Hopping Ch Bandedge (Restricted Band)



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.409805G	99.94	2.383195G	46.93	8.71	2.4844G	52.08	13.86	74	54	1.228	-38.22

BT-EDR(3Mbps) **Hopping Ch**

2441MHz

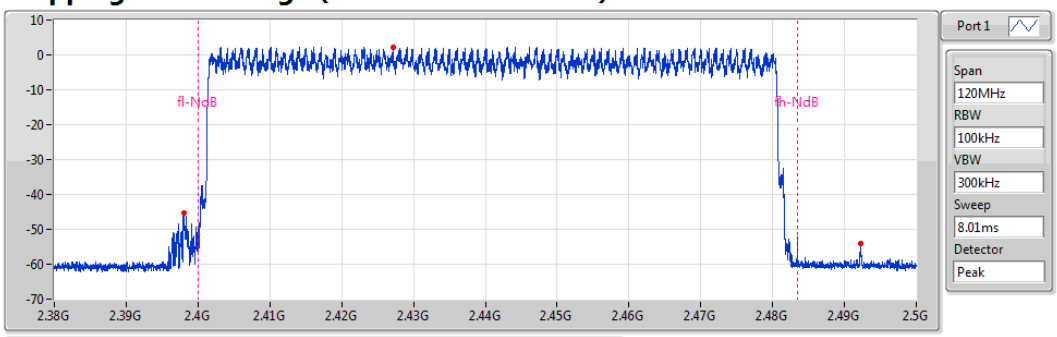


Hopping No	Limit
79	15

BT-EDR(3Mbps)

2441MHz

Hopping Ch Bandedge (Non-restricted Band)

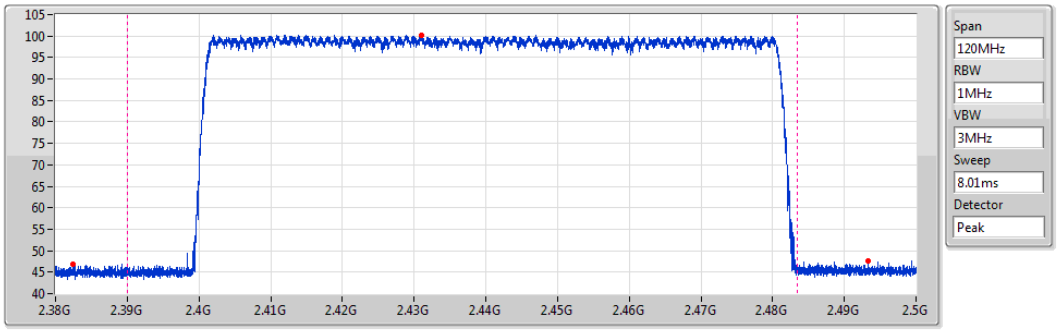


Limit(dBm)	Ref(Hz)	Ref(dBm)	BE-l(Hz)	BE-l(dBm)	BE-h(Hz)	BE-h(dBm)
-17.79	2.427145G	2.21	2.397985G	-45.36	2.492275G	-54

BT-EDR(3Mbps)

2441MHz

Hopping Ch Bandedge (Restricted Band)



Ref(Hz)	Ref(dBuV/m)	BE-l(Hz)	PK(dBuV/m)	AV(dBuV/m)	BE-h(Hz)	PK(dBuV/m)	AV(dBuV/m)	LimPK(dBuV/	LimAV(dBuV/	Tx On(ms)	DCF(dB)
2.430985G	100.24	2.382475G	46.94	5.86	2.493385G	47.54	6.46	74	54	0.883	-41.08

Summary

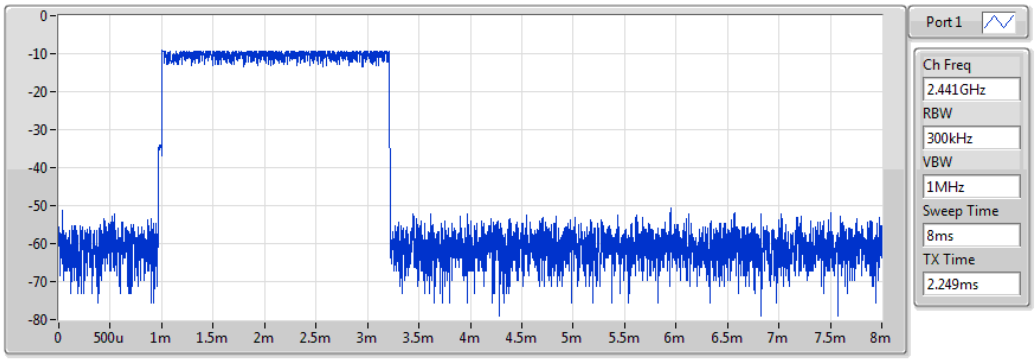
Mode	Max-Dwell (s)
2.4-2.4835GHz	-
BT-BR(1Mbps)	239.7434m
BT-EDR(2Mbps)	130.9048m
BT-EDR(3Mbps)	94.1278m

Result

Mode	Result	Period (s)	Dwell (s)	Limit (s)	Tx On (s)
BT-BR(1Mbps)	-	-	-	-	-
2441MHz	Pass	31.6	239.7434m	400m	2.249m
BT-EDR(2Mbps)	-	-	-	-	-
2441MHz	Pass	31.6	130.9048m	400m	1.228m
BT-EDR(3Mbps)	-	-	-	-	-
2441MHz	Pass	31.6	94.1278m	400m	883u

BT-BR(1Mbps) **Dwell**

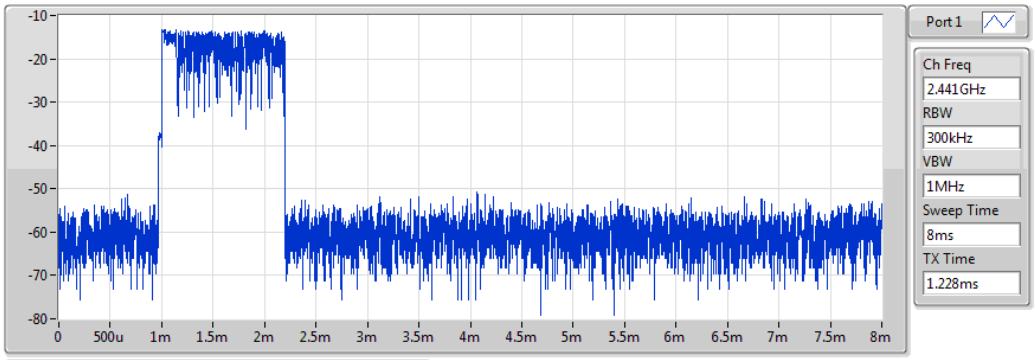
2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	239.7434m	400m	2.249m

BT-EDR(2Mbps) **Dwell**

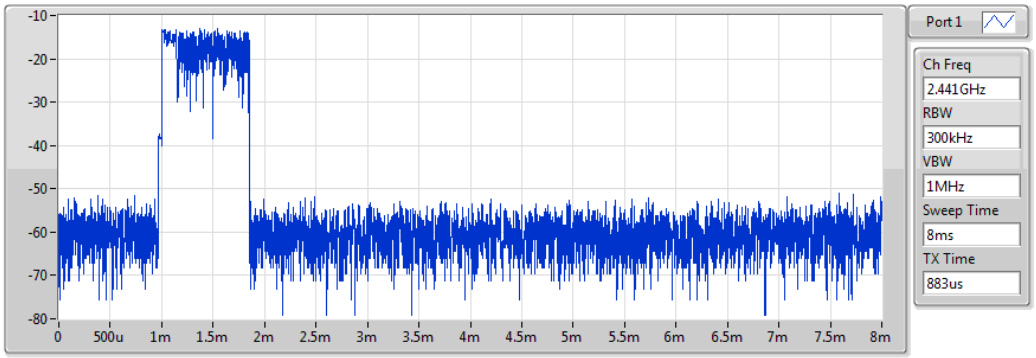
2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	130.9048m	400m	1.228m

BT-EDR(3Mbps) **Dwell**

2441MHz



Period(s)	Dwell(s)	Limit(s)	Tx On(s)
31.6	94.1278m	400m	883u

Summary

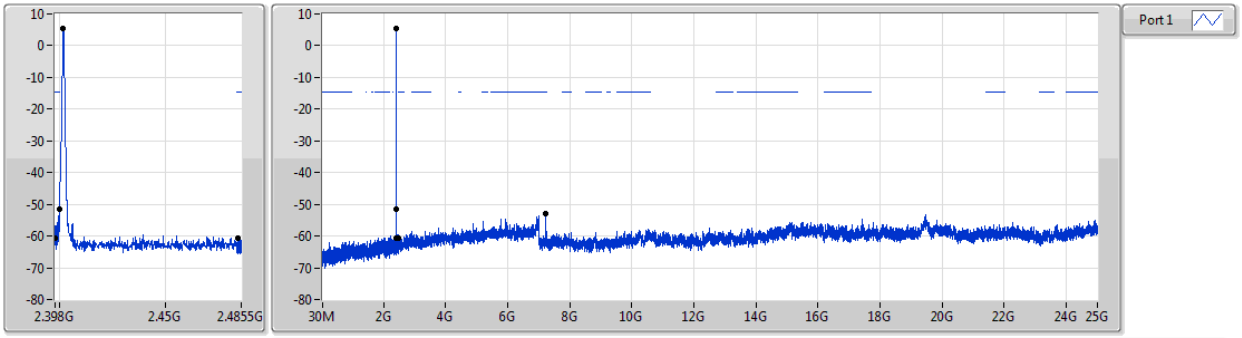
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-BR(1Mbps)	Pass	2.48016G	6.09	-13.91	2.12568G	-60.12	2.3991G	-60.33	2.484216G	-50.39	6.920857G	-54.92	1
BT-EDR(2Mbps)	Pass	2.479993G	-1.04	-21.04	1.994256G	-59.83	2.399916G	-59.40	2.483884G	-58.13	6.965886G	-54.67	1
BT-EDR(3Mbps)	Pass	2.48016G	-0.91	-20.91	1.9836G	-59.45	2.398096G	-60.96	2.484024G	-58.44	6.977143G	-54.74	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	2.401837G	5.37	-14.63	2.398G	-60.51	2.399952G	-51.64	2.484176G	-60.72	7.205102G	-53.06	1
2441MHz	Pass	2.440915G	5.37	-14.63	2.163568G	-60.77	2.39914G	-60.07	2.48364G	-59.44	24.662283G	-54.51	1
2480MHz	Pass	2.48016G	6.09	-13.91	2.12568G	-60.12	2.3991G	-60.33	2.484216G	-50.39	6.920857G	-54.92	1
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402004G	1.72	-18.28	2.398G	-59.81	2.399916G	-55.71	2.483516G	-59.52	6.982771G	-54.11	1
2441MHz	Pass	2.441082G	0.35	-19.65	2.021488G	-60.42	2.399624G	-61.14	2.48394G	-59.60	6.965886G	-54.46	1
2480MHz	Pass	2.479993G	-1.04	-21.04	1.994256G	-59.83	2.399916G	-59.40	2.483884G	-58.13	6.965886G	-54.67	1
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.401837G	-0.46	-20.46	2.194352G	-60.78	2.39998G	-56.24	2.483936G	-59.88	6.996843G	-55.27	1
2441MHz	Pass	2.440748G	-0.09	-20.09	2.039248G	-60.46	2.39966G	-60.15	2.48522G	-59.74	6.951814G	-54.80	1
2480MHz	Pass	2.48016G	-0.91	-20.91	1.9836G	-59.45	2.398096G	-60.96	2.484024G	-58.44	6.977143G	-54.74	1

BT-BR(1Mbps) **CSE NdB**

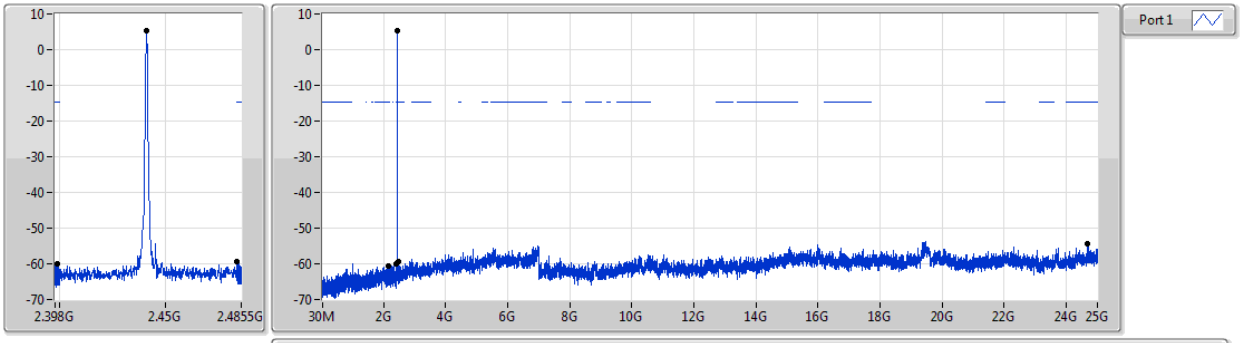
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.401837G	5.37	-14.63	2.398G	-60.51	2.399952G	-51.64	2.484176G	-60.72	7.205102G	-53.06	1

BT-BR(1Mbps) **CSE NdB**

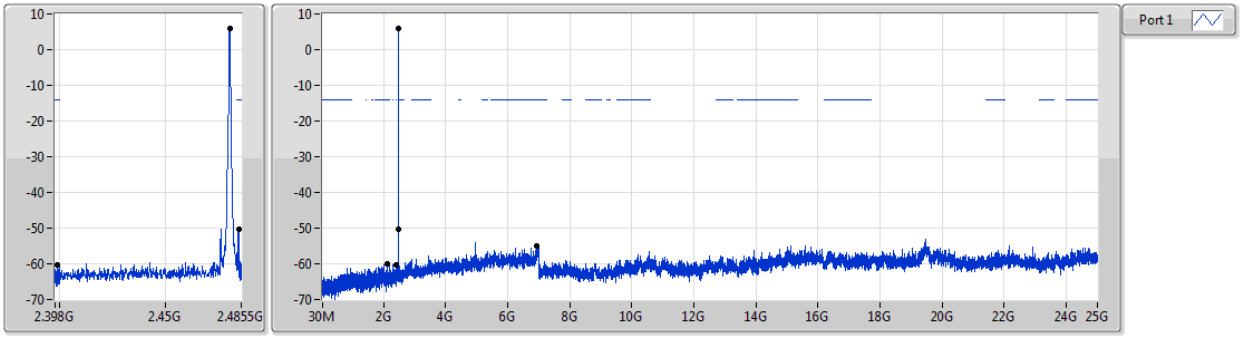
2441MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440915G	5.37	-14.63	2.163568G	-60.77	2.39914G	-60.07	2.48364G	-59.44	24.662283G	-54.51	1

BT-BR(1Mbps) **CSE NdB**

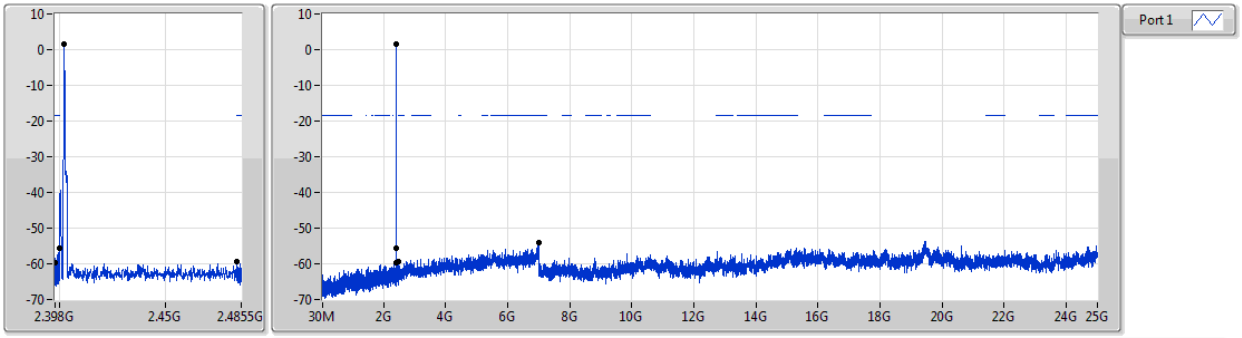
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48016G	6.09	-13.91	2.12568G	-60.12	2.3991G	-60.33	2.484216G	-50.39	6.920857G	-54.92	1

BT-EDR(2Mbps) **CSE NdB**

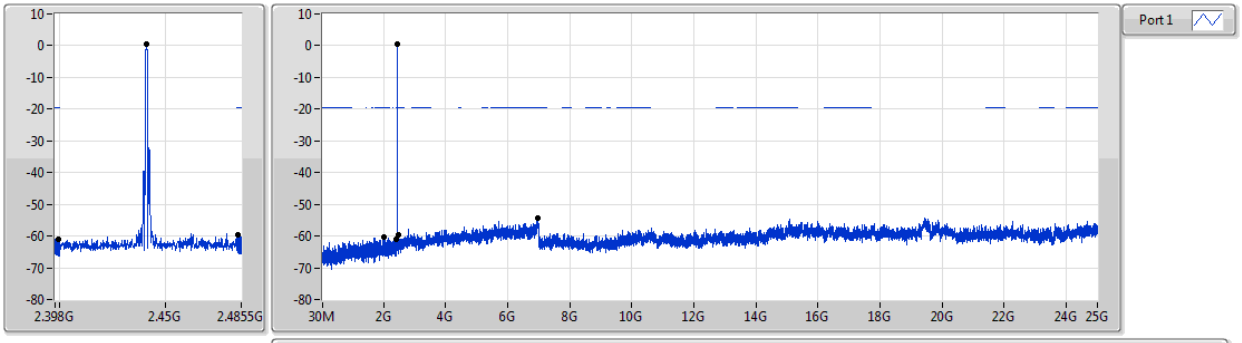
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.402004G	1.72	-18.28	2.398G	-59.81	2.399916G	-55.71	2.483516G	-59.52	6.982771G	-54.11	1

BT-EDR(2Mbps) **CSE NdB**

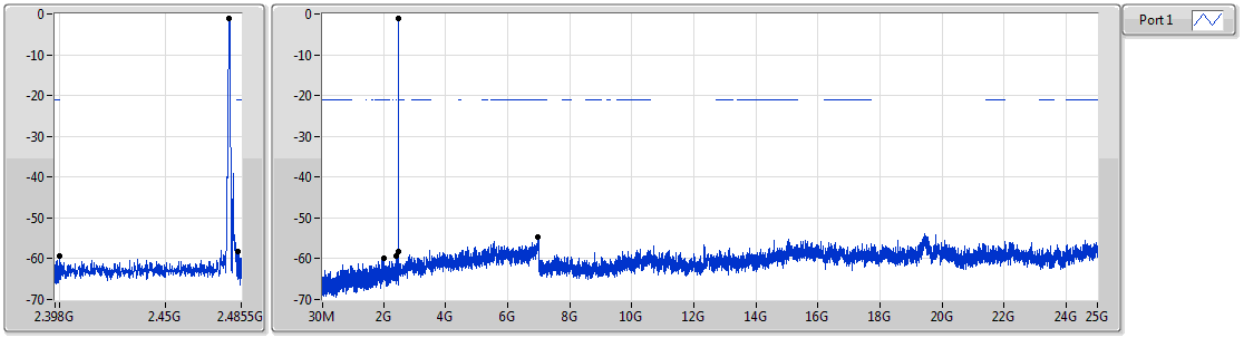
2441MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441082G	0.35	-19.65	2.021488G	-60.42	2.399624G	-61.14	2.48394G	-59.60	6.965886G	-54.46	1

BT-EDR(2Mbps) **CSE NdB**

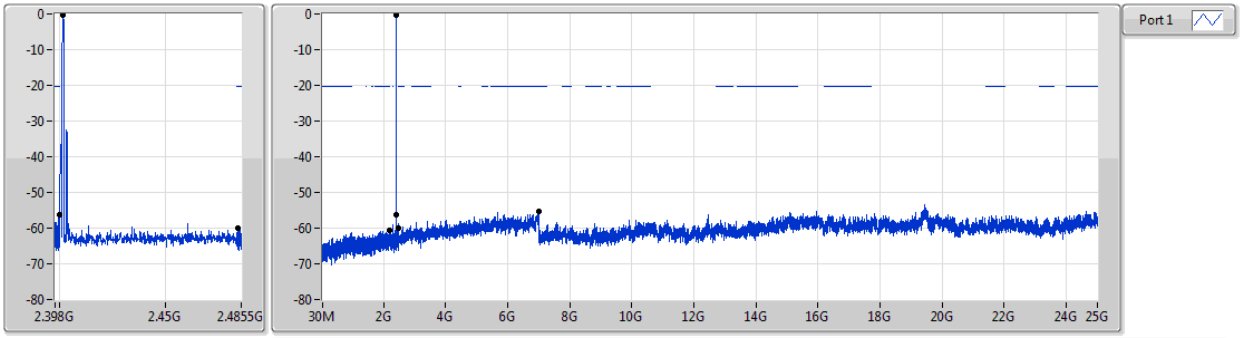
2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.479993G	-1.04	-21.04	1.994256G	-59.83	2.399916G	-59.40	2.483884G	-58.13	6.965886G	-54.67	1

BT-EDR(3Mbps) **CSE NdB**

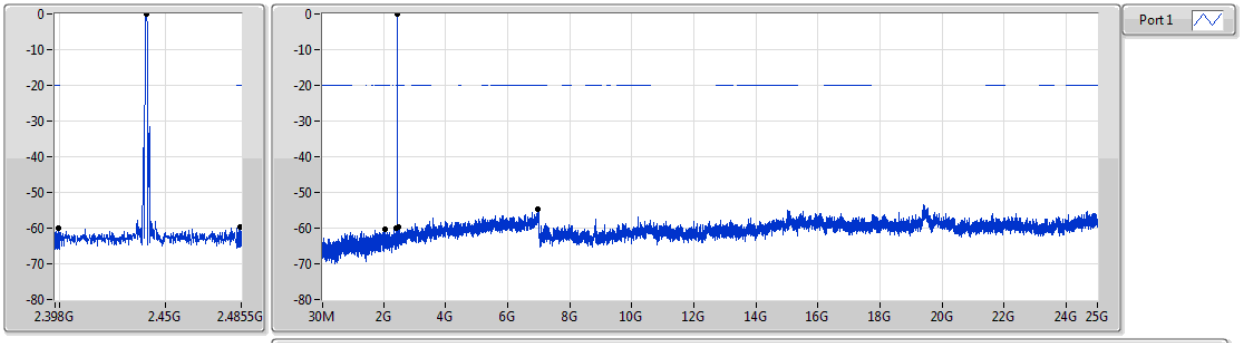
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.401837G	-0.46	-20.46	2.194352G	-60.78	2.39998G	-56.24	2.483936G	-59.88	6.996843G	-55.27	1

BT-EDR(3Mbps) **CSE NdB**

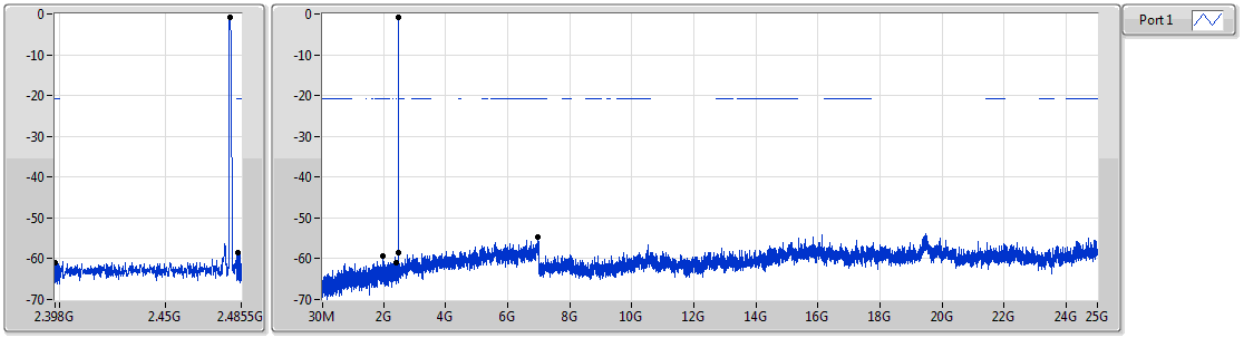
2441MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	-0.09	-20.09	2.039248G	-60.46	2.39966G	-60.15	2.48522G	-59.74	6.951814G	-54.80	1

BT-EDR(3Mbps) **CSE NdB**

2480MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.48016G	-0.91	-20.91	1.9836G	-59.45	2.398096G	-60.96	2.484024G	-58.44	6.977143G	-54.74	1

Summary

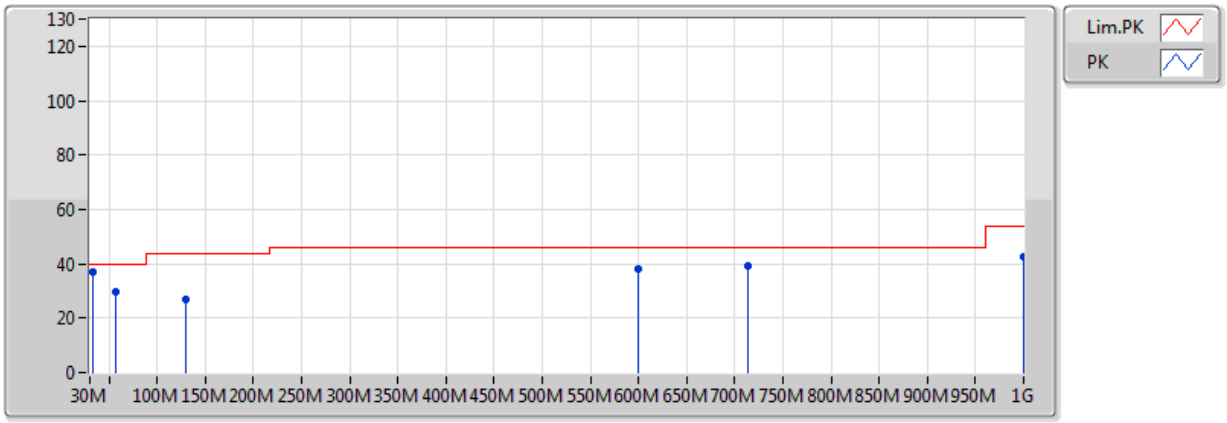
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	33.88M	36.79	40.00	-3.21	-6.70	3	Vertical	0	1.00	-

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	33.88M	31.92	40.00	-8.08	-6.70	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	111.48M	25.42	43.50	-18.08	-9.21	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	154.16M	24.78	43.50	-18.72	-10.49	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	600.36M	37.34	46.00	-8.66	-1.23	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	712.88M	36.90	46.00	-9.10	-0.08	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	800.18M	38.86	46.00	-7.14	1.12	3	Horizontal	360	1.00	-
2441MHz	Pass	PK	33.88M	36.79	40.00	-3.21	-6.70	3	Vertical	0	1.00	-
2441MHz	Pass	PK	57.16M	29.49	40.00	-10.51	-14.48	3	Vertical	0	1.00	-
2441MHz	Pass	PK	128.94M	26.98	43.50	-16.52	-9.02	3	Vertical	0	1.00	-
2441MHz	Pass	PK	600.36M	38.31	46.00	-7.69	-1.23	3	Vertical	0	1.00	-
2441MHz	Pass	PK	712.88M	39.12	46.00	-6.88	-0.08	3	Vertical	0	1.00	-
2441MHz	Pass	PK	999.999M	42.82	54.00	-11.18	3.80	3	Vertical	0	1.00	-

BT-BR(1Mbps)

2441MHz_Adapter

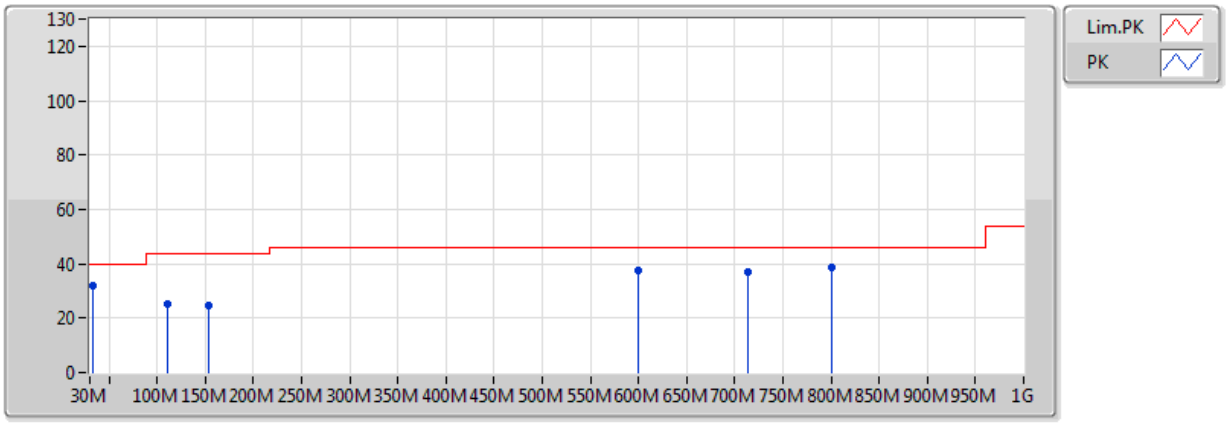


EUT = Z axis

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)
PK	33.88M	36.79	40.00	-3.21	-6.70	3	Vertical	0	1.00	-	43.49	20.36	0.74	27.80
PK	57.16M	29.49	40.00	-10.51	-14.48	3	Vertical	0	1.00	-	43.97	11.96	1.14	27.59
PK	128.94M	26.98	43.50	-16.52	-9.02	3	Vertical	0	1.00	-	36.00	16.99	1.70	27.70
PK	600.36M	38.31	46.00	-7.69	-1.23	3	Vertical	0	1.00	-	39.54	23.67	3.66	28.56
PK	712.88M	39.12	46.00	-6.88	-0.08	3	Vertical	0	1.00	-	39.20	24.15	4.12	28.34
PK	999.999M	42.82	54.00	-11.18	3.80	3	Vertical	0	1.00	-	39.02	26.05	4.99	27.24

BT-BR(1Mbps)

2441MHz_Adapter



EUT = Z axis

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)
PK	33.88M	31.92	40.00	-8.08	-6.70	3	Horizontal	360	1.00	-	38.62	20.36	0.74	27.80
PK	111.48M	25.42	43.50	-18.08	-9.21	3	Horizontal	360	1.00	-	34.63	17.09	1.47	27.77
PK	154.16M	24.78	43.50	-18.72	-10.49	3	Horizontal	360	1.00	-	35.27	15.30	1.82	27.61
PK	600.36M	37.34	46.00	-8.66	-1.23	3	Horizontal	360	1.00	-	38.57	23.67	3.66	28.56
PK	712.88M	36.90	46.00	-9.10	-0.08	3	Horizontal	360	1.00	-	36.98	24.15	4.12	28.34
PK	800.18M	38.86	46.00	-7.14	1.12	3	Horizontal	360	1.00	-	37.74	24.82	4.37	28.07

Summary

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)	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.4956G	47.41	54.00	-6.59	31.57	3	Vertical	132	3.14	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-BR(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3886G	46.39	54.00	-7.61	31.17	3	Horizontal	20	3.65	-
2402MHz	Pass	AV	2.402G	72.03	Inf	-Inf	31.22	3	Horizontal	20	3.65	-
2402MHz	Pass	AV	4.804G	32.85	54.00	-21.15	2.46	3	Horizontal	360	1.50	-
2402MHz	Pass	PK	2.3682G	58.66	74.00	-15.34	31.09	3	Horizontal	20	3.65	-
2402MHz	Pass	PK	2.4022G	73.98	Inf	-Inf	31.22	3	Horizontal	20	3.65	-
2402MHz	Pass	PK	4.804G	44.53	74.00	-29.47	2.46	3	Horizontal	360	1.50	-
2402MHz	Pass	AV	2.3862G	46.42	54.00	-7.58	31.16	3	Vertical	131	3.69	-
2402MHz	Pass	AV	2.4022G	68.85	Inf	-Inf	31.22	3	Vertical	131	3.69	-
2402MHz	Pass	AV	4.804G	32.91	54.00	-21.09	2.46	3	Vertical	0	1.50	-
2402MHz	Pass	PK	2.389G	58.10	74.00	-15.90	31.17	3	Vertical	131	3.69	-
2402MHz	Pass	PK	2.4018G	71.26	Inf	-Inf	31.22	3	Vertical	131	3.69	-
2402MHz	Pass	PK	4.804G	45.02	74.00	-28.98	2.46	3	Vertical	0	1.50	-
2441MHz	Pass	AV	2.3762G	46.37	54.00	-7.63	31.12	3	Horizontal	20	1.03	-
2441MHz	Pass	AV	2.441G	72.69	Inf	-Inf	31.37	3	Horizontal	20	1.03	-
2441MHz	Pass	AV	2.4966G	47.21	54.00	-6.79	31.58	3	Horizontal	20	1.03	-
2441MHz	Pass	PK	2.371G	57.75	74.00	-16.25	31.10	3	Horizontal	20	1.03	-
2441MHz	Pass	PK	2.4414G	74.97	Inf	-Inf	31.37	3	Horizontal	20	1.03	-
2441MHz	Pass	PK	2.485G	58.66	74.00	-15.34	31.53	3	Horizontal	20	1.03	-
2441MHz	Pass	AV	2.3746G	46.46	54.00	-7.54	31.11	3	Vertical	133	3.67	-
2441MHz	Pass	AV	2.441G	72.05	Inf	-Inf	31.37	3	Vertical	133	3.67	-
2441MHz	Pass	AV	2.495G	47.32	54.00	-6.68	31.57	3	Vertical	133	3.67	-
2441MHz	Pass	PK	2.3734G	58.05	74.00	-15.95	31.11	3	Vertical	133	3.67	-
2441MHz	Pass	PK	2.4406G	74.12	Inf	-Inf	31.36	3	Vertical	133	3.67	-
2441MHz	Pass	PK	2.4878G	58.44	74.00	-15.56	31.54	3	Vertical	133	3.67	-
2441MHz	Pass	AV	4.882G	33.07	54.00	-20.93	2.56	3	Horizontal	0	1.50	-
2441MHz	Pass	PK	4.882G	44.88	74.00	-29.12	2.56	3	Horizontal	0	1.50	-
2441MHz	Pass	AV	4.882G	33.09	54.00	-20.91	2.56	3	Vertical	360	1.50	-
2441MHz	Pass	PK	4.882G	44.55	74.00	-29.45	2.56	3	Vertical	360	1.50	-
2480MHz	Pass	AV	2.4802G	71.10	Inf	-Inf	31.51	3	Horizontal	20	1.11	-
2480MHz	Pass	AV	2.4942G	47.28	54.00	-6.72	31.57	3	Horizontal	20	1.11	-
2480MHz	Pass	PK	2.4798G	73.27	Inf	-Inf	31.51	3	Horizontal	20	1.11	-
2480MHz	Pass	PK	2.484G	58.21	74.00	-15.79	31.53	3	Horizontal	20	1.11	-
2480MHz	Pass	AV	2.48G	71.53	Inf	-Inf	31.51	3	Vertical	132	3.14	-
2480MHz	Pass	AV	2.4956G	47.41	54.00	-6.59	31.57	3	Vertical	132	3.14	-
2480MHz	Pass	PK	2.4804G	73.69	Inf	-Inf	31.52	3	Vertical	132	3.14	-
2480MHz	Pass	PK	2.4968G	58.43	74.00	-15.57	31.58	3	Vertical	132	3.14	-
2480MHz	Pass	AV	4.96G	33.19	54.00	-20.81	2.68	3	Horizontal	360	1.50	-
2480MHz	Pass	PK	4.96G	45.04	74.00	-28.96	2.68	3	Horizontal	360	1.50	-
2480MHz	Pass	AV	4.96G	33.28	54.00	-20.72	2.68	3	Vertical	0	1.50	-
2480MHz	Pass	PK	4.96G	45.04	74.00	-28.96	2.68	3	Vertical	0	1.50	-
BT-EDR(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3792G	46.46	54.00	-7.54	31.13	3	Horizontal	20	3.63	-
2402MHz	Pass	AV	2.402G	64.23	Inf	-Inf	31.22	3	Horizontal	20	3.63	-
2402MHz	Pass	PK	2.3624G	58.29	74.00	-15.71	31.06	3	Horizontal	20	3.63	-
2402MHz	Pass	PK	2.402G	69.28	Inf	-Inf	31.22	3	Horizontal	20	3.63	-
2402MHz	Pass	AV	2.386G	46.46	54.00	-7.54	31.16	3	Vertical	135	3.69	-
2402MHz	Pass	AV	2.402G	61.30	Inf	-Inf	31.22	3	Vertical	135	3.69	-

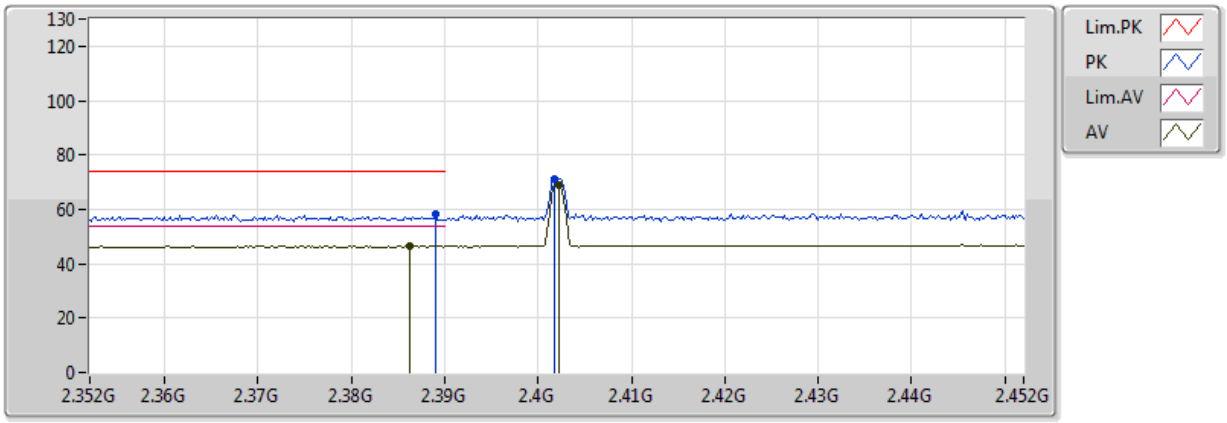
RSE TX above 1GHz Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2402MHz	Pass	PK	2.3766G	58.18	74.00	-15.82	31.12	3	Vertical	135	3.69	-
2402MHz	Pass	PK	2.4022G	66.80	Inf	-Inf	31.22	3	Vertical	135	3.69	-
2441MHz	Pass	AV	2.389G	46.50	54.00	-7.50	31.17	3	Horizontal	21	1.04	-
2441MHz	Pass	AV	2.441G	65.04	Inf	-Inf	31.37	3	Horizontal	21	1.04	-
2441MHz	Pass	AV	2.4986G	47.32	54.00	-6.68	31.58	3	Horizontal	21	1.04	-
2441MHz	Pass	PK	2.3786G	58.23	74.00	-15.77	31.13	3	Horizontal	21	1.04	-
2441MHz	Pass	PK	2.441G	70.06	Inf	-Inf	31.37	3	Horizontal	21	1.04	-
2441MHz	Pass	PK	2.4902G	58.17	74.00	-15.83	31.55	3	Horizontal	21	1.04	-
2441MHz	Pass	AV	2.3674G	46.43	54.00	-7.57	31.08	3	Vertical	318	1.17	-
2441MHz	Pass	AV	2.441G	61.05	Inf	-Inf	31.37	3	Vertical	318	1.17	-
2441MHz	Pass	AV	2.499998G	47.32	54.00	-6.68	31.59	3	Vertical	318	1.17	-
2441MHz	Pass	PK	2.353G	57.66	74.00	-16.34	31.03	3	Vertical	318	1.17	-
2441MHz	Pass	PK	2.441G	66.74	Inf	-Inf	31.37	3	Vertical	318	1.17	-
2441MHz	Pass	PK	2.4978G	58.38	74.00	-15.62	31.58	3	Vertical	318	1.17	-
2480MHz	Pass	AV	2.48G	65.87	Inf	-Inf	31.51	3	Horizontal	23	3.69	-
2480MHz	Pass	AV	2.4958G	47.26	54.00	-6.74	31.57	3	Horizontal	23	3.69	-
2480MHz	Pass	PK	2.48G	70.82	Inf	-Inf	31.51	3	Horizontal	23	3.69	-
2480MHz	Pass	PK	2.4908G	58.29	74.00	-15.71	31.56	3	Horizontal	23	3.69	-
2480MHz	Pass	AV	2.48G	64.63	Inf	-Inf	31.51	3	Vertical	134	3.18	-
2480MHz	Pass	AV	2.4892G	47.29	54.00	-6.71	31.55	3	Vertical	134	3.18	-
2480MHz	Pass	PK	2.48G	69.55	Inf	-Inf	31.51	3	Vertical	134	3.18	-
2480MHz	Pass	PK	2.4836G	59.21	74.00	-14.79	31.53	3	Vertical	134	3.18	-
BT-EDR(3Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3864G	46.58	54.00	-7.42	31.16	3	Horizontal	20	3.65	-
2402MHz	Pass	AV	2.4022G	63.73	Inf	-Inf	31.22	3	Horizontal	20	3.65	-
2402MHz	Pass	PK	2.3752G	58.18	74.00	-15.82	31.11	3	Horizontal	20	3.65	-
2402MHz	Pass	PK	2.402G	69.62	Inf	-Inf	31.22	3	Horizontal	20	3.65	-
2402MHz	Pass	AV	2.3898G	46.47	54.00	-7.53	31.17	3	Vertical	136	3.69	-
2402MHz	Pass	AV	2.402G	61.09	Inf	-Inf	31.22	3	Vertical	136	3.69	-
2402MHz	Pass	PK	2.3606G	58.38	74.00	-15.62	31.06	3	Vertical	136	3.69	-
2402MHz	Pass	PK	2.402G	67.12	Inf	-Inf	31.22	3	Vertical	136	3.69	-
2441MHz	Pass	AV	2.3722G	46.47	54.00	-7.53	31.10	3	Horizontal	24	3.50	-
2441MHz	Pass	AV	2.441G	65.28	Inf	-Inf	31.37	3	Horizontal	24	3.50	-
2441MHz	Pass	AV	2.4918G	47.25	54.00	-6.75	31.56	3	Horizontal	24	3.50	-
2441MHz	Pass	PK	2.3542G	57.85	74.00	-16.15	31.03	3	Horizontal	24	3.50	-
2441MHz	Pass	PK	2.441G	70.91	Inf	-Inf	31.37	3	Horizontal	24	3.50	-
2441MHz	Pass	PK	2.4954G	58.35	74.00	-15.65	31.57	3	Horizontal	24	3.50	-
2441MHz	Pass	AV	2.3826G	46.57	54.00	-7.43	31.14	3	Vertical	137	3.66	-
2441MHz	Pass	AV	2.441G	64.17	Inf	-Inf	31.37	3	Vertical	137	3.66	-
2441MHz	Pass	AV	2.4978G	47.37	54.00	-6.63	31.58	3	Vertical	137	3.66	-
2441MHz	Pass	PK	2.3538G	58.02	74.00	-15.98	31.03	3	Vertical	137	3.66	-
2441MHz	Pass	PK	2.441G	69.92	Inf	-Inf	31.37	3	Vertical	137	3.66	-
2441MHz	Pass	PK	2.4914G	58.94	74.00	-15.06	31.56	3	Vertical	137	3.66	-
2480MHz	Pass	AV	2.4802G	64.48	Inf	-Inf	31.51	3	Horizontal	24	3.69	-
2480MHz	Pass	AV	2.4992G	47.36	54.00	-6.64	31.59	3	Horizontal	24	3.69	-
2480MHz	Pass	PK	2.48G	70.42	Inf	-Inf	31.51	3	Horizontal	24	3.69	-
2480MHz	Pass	PK	2.496G	58.58	74.00	-15.42	31.57	3	Horizontal	24	3.69	-
2480MHz	Pass	AV	2.48G	63.80	Inf	-Inf	31.51	3	Vertical	139	3.18	-
2480MHz	Pass	AV	2.5G	47.35	54.00	-6.65	31.59	3	Vertical	139	3.18	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2480MHz	Pass	PK	2.4802G	69.56	Inf	-Inf	31.51	3	Vertical	139	3.18	-
2480MHz	Pass	PK	2.4902G	58.72	74.00	-15.28	31.55	3	Vertical	139	3.18	-

BT-BR(1Mbps)

2402MHz_TX

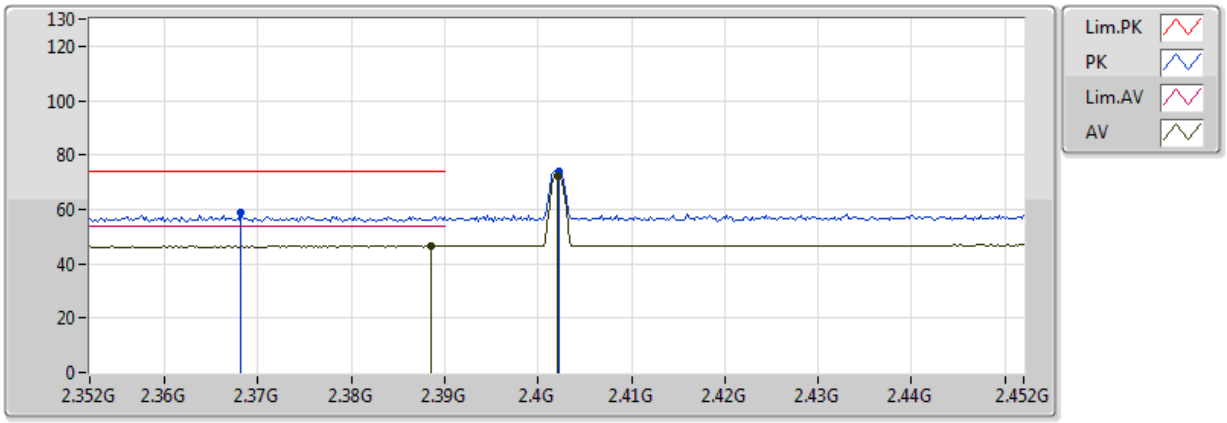


EUT = Z axis

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	2.3862G	46.42	54.00	-7.58	31.16	3	Vertical	131	3.69	-	15.26	26.98	4.17	-
AV	2.4022G	68.85	Inf	-Inf	31.22	3	Vertical	131	3.69	-	37.63	27.03	4.19	-
PK	2.389G	58.10	74.00	-15.90	31.17	3	Vertical	131	3.69	-	26.93	26.99	4.18	-
PK	2.4018G	71.26	Inf	-Inf	31.22	3	Vertical	131	3.69	-	40.04	27.03	4.19	-

BT-BR(1Mbps)

2402MHz_TX

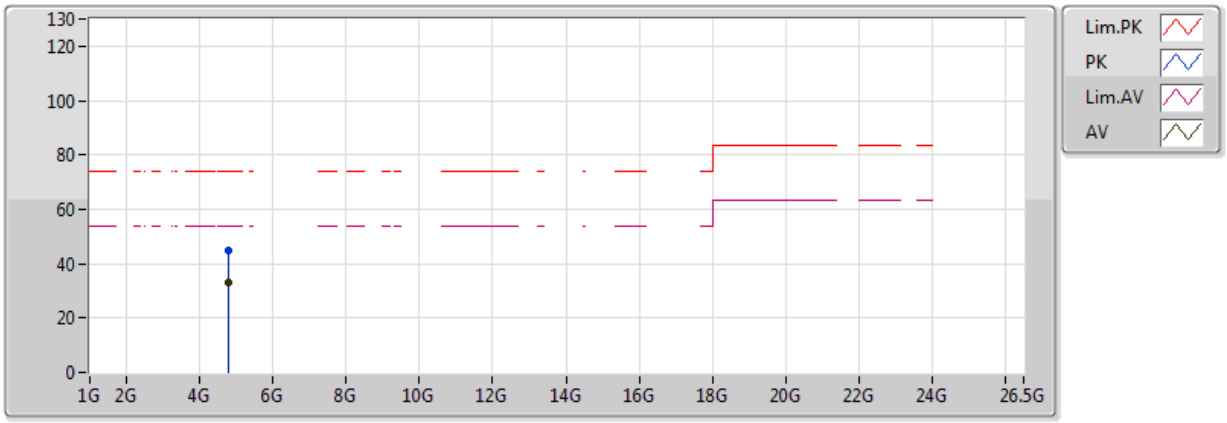


EUT = Z axis

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	2.3886G	46.39	54.00	-7.61	31.17	3	Horizontal	20	3.65	-	15.23	26.99	4.18	-
AV	2.402G	72.03	Inf	-Inf	31.22	3	Horizontal	20	3.65	-	40.81	27.03	4.19	-
PK	2.3682G	58.66	74.00	-15.34	31.09	3	Horizontal	20	3.65	-	27.57	26.93	4.16	-
PK	2.4022G	73.98	Inf	-Inf	31.22	3	Horizontal	20	3.65	-	42.76	27.03	4.19	-

BT-BR(1Mbps)

2402MHz_TX

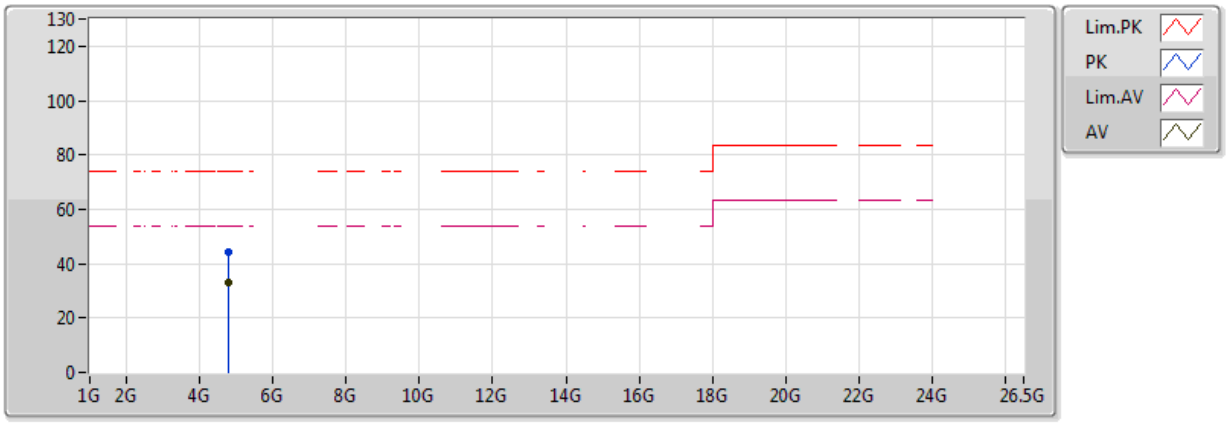


EUT = Z axis

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	4.804G	32.91	54.00	-21.09	2.46	3	Vertical	0	1.50	-	30.45	31.19	6.44	35.17
PK	4.804G	45.02	74.00	-28.98	2.46	3	Vertical	0	1.50	-	42.56	31.19	6.44	35.17

BT-BR(1Mbps)

2402MHz_TX

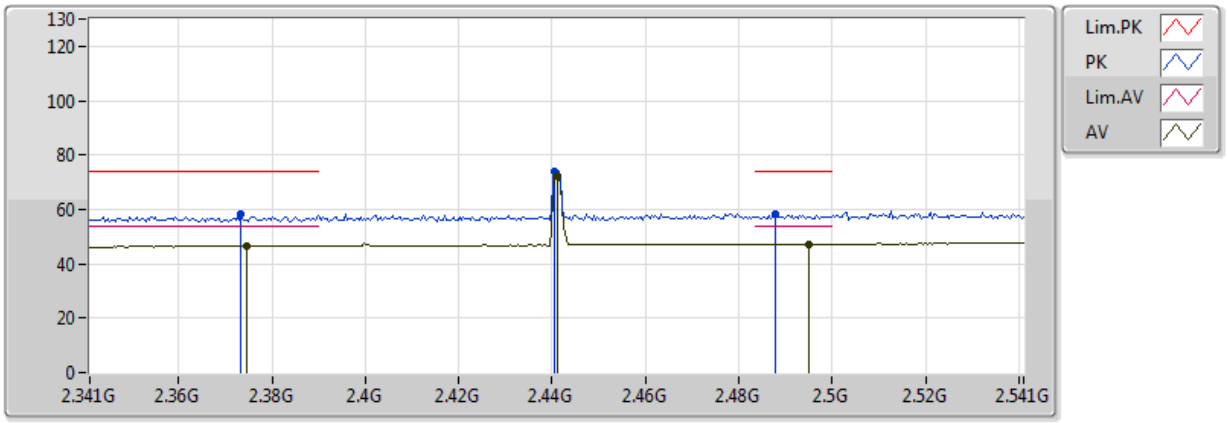


EUT = Z axis

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	4.804G	32.85	54.00	-21.15	2.46	3	Horizontal	360	1.50	-	30.39	31.19	6.44	35.17
PK	4.804G	44.53	74.00	-29.47	2.46	3	Horizontal	360	1.50	-	42.07	31.19	6.44	35.17

BT-BR(1Mbps)

2441MHz_TX

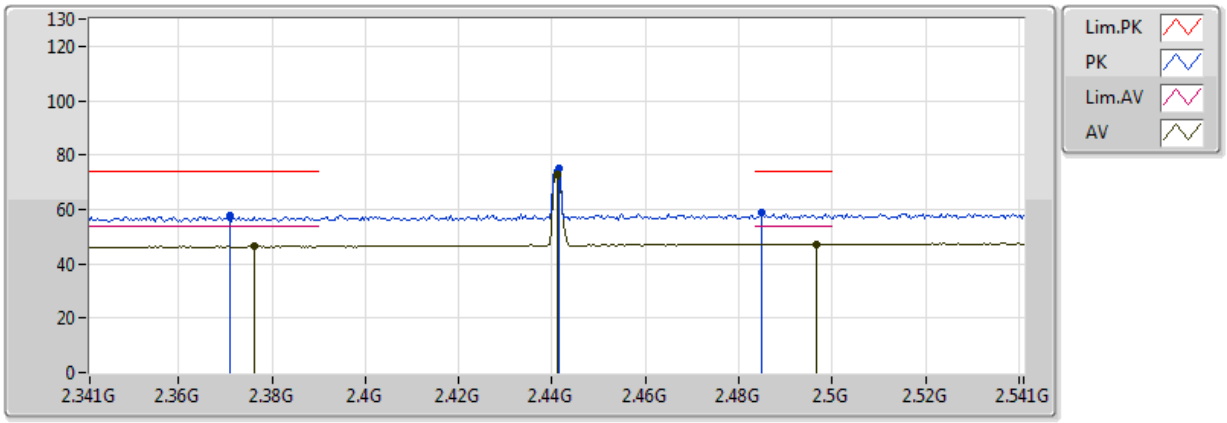


EUT = Z axis

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	2.3746G	46.46	54.00	-7.54	31.11	3	Vertical	133	3.67	-	15.35	26.95	4.16	-
AV	2.441G	72.05	Inf	-Inf	31.37	3	Vertical	133	3.67	-	40.68	27.13	4.23	-
AV	2.495G	47.32	54.00	-6.68	31.57	3	Vertical	133	3.67	-	15.75	27.29	4.29	-
PK	2.3734G	58.05	74.00	-15.95	31.11	3	Vertical	133	3.67	-	26.95	26.95	4.16	-
PK	2.4406G	74.12	Inf	-Inf	31.36	3	Vertical	133	3.67	-	42.76	27.13	4.23	-
PK	2.4878G	58.44	74.00	-15.56	31.54	3	Vertical	133	3.67	-	26.89	27.27	4.28	-

BT-BR(1Mbps)

2441MHz_TX

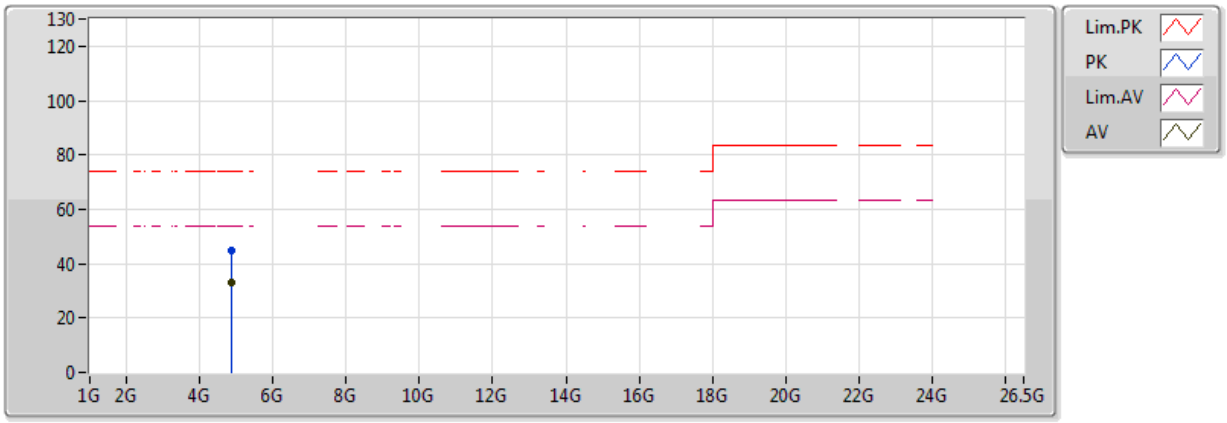


EUT = Z axis

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	2.3762G	46.37	54.00	-7.63	31.12	3	Horizontal	20	1.03	-	15.25	26.95	4.16	-
AV	2.441G	72.69	Inf	-Inf	31.37	3	Horizontal	20	1.03	-	41.33	27.13	4.23	-
AV	2.4966G	47.21	54.00	-6.79	31.58	3	Horizontal	20	1.03	-	15.63	27.29	4.29	-
PK	2.371G	57.75	74.00	-16.25	31.10	3	Horizontal	20	1.03	-	26.65	26.94	4.16	-
PK	2.4414G	74.97	Inf	-Inf	31.37	3	Horizontal	20	1.03	-	43.61	27.14	4.23	-
PK	2.485G	58.66	74.00	-15.34	31.53	3	Horizontal	20	1.03	-	27.13	27.26	4.28	-

BT-BR(1Mbps)

2441MHz_TX

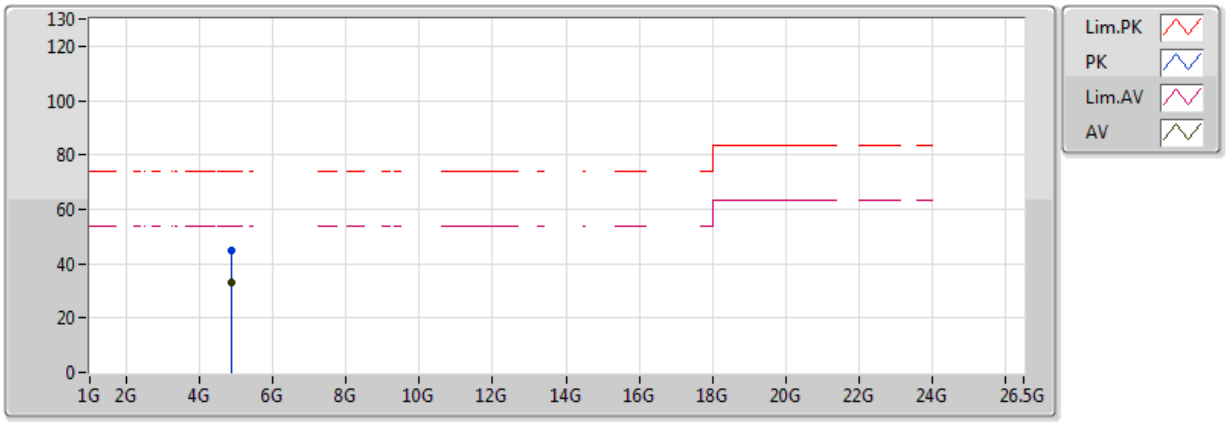


EUT = Z axis

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	4.882G	33.09	54.00	-20.91	2.56	3	Vertical	360	1.50	-	30.53	31.31	6.45	35.19
PK	4.882G	44.55	74.00	-29.45	2.56	3	Vertical	360	1.50	-	41.99	31.31	6.45	35.19

BT-BR(1Mbps)

2441MHz_TX

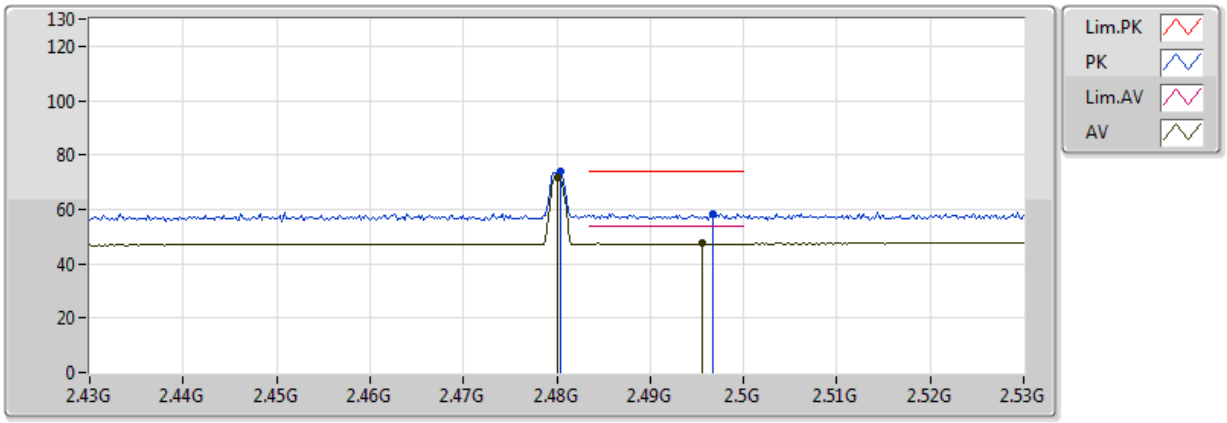


EUT = Z axis

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	4.882G	33.07	54.00	-20.93	2.56	3	Horizontal	0	1.50	-	30.51	31.31	6.45	35.19
PK	4.882G	44.88	74.00	-29.12	2.56	3	Horizontal	0	1.50	-	42.32	31.31	6.45	35.19

BT-BR(1Mbps)

2480MHz_TX

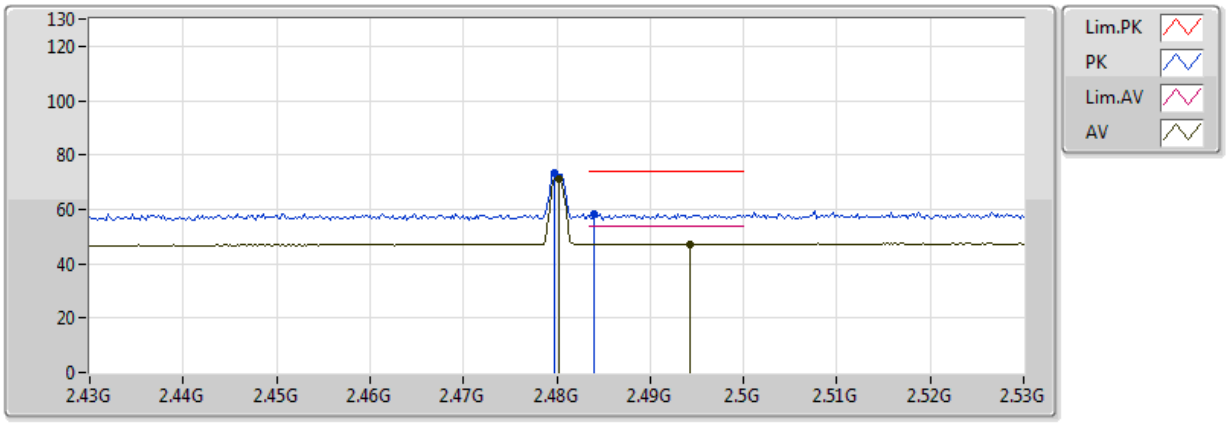


EUT = Z axis

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	71.53	Inf	-Inf	31.51	3	Vertical	132	3.14	-	40.02	27.24	4.27	-
AV	2.4956G	47.41	54.00	-6.59	31.57	3	Vertical	132	3.14	-	15.84	27.29	4.29	-
PK	2.4804G	73.69	Inf	-Inf	31.52	3	Vertical	132	3.14	-	42.17	27.25	4.27	-
PK	2.4968G	58.43	74.00	-15.57	31.58	3	Vertical	132	3.14	-	26.85	27.29	4.29	-

BT-BR(1Mbps)

2480MHz_TX

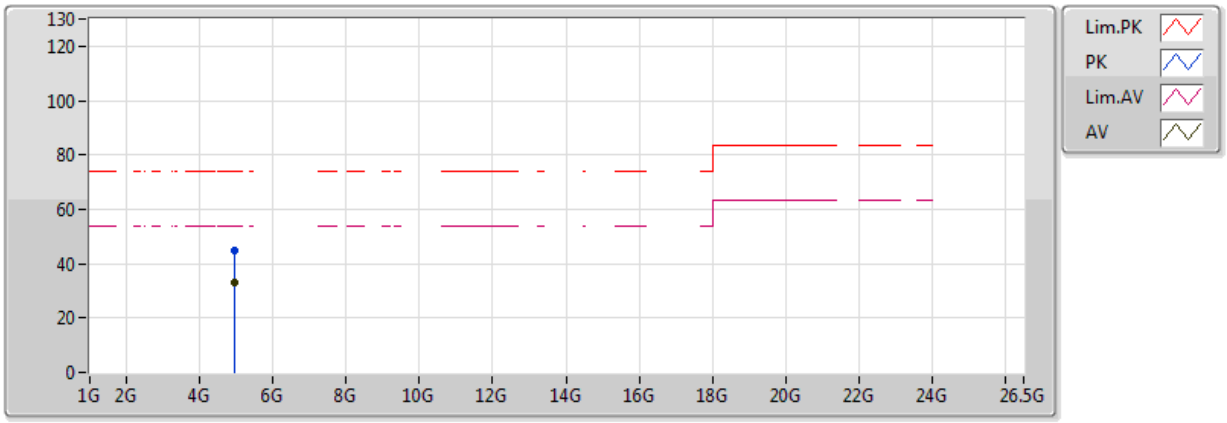


EUT = Z axis

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	2.4802G	71.10	Inf	-Inf	31.51	3	Horizontal	20	1.11	-	39.58	27.24	4.27	-
AV	2.4942G	47.28	54.00	-6.72	31.57	3	Horizontal	20	1.11	-	15.71	27.28	4.28	-
PK	2.4798G	73.27	Inf	-Inf	31.51	3	Horizontal	20	1.11	-	41.75	27.24	4.27	-
PK	2.484G	58.21	74.00	-15.79	31.53	3	Horizontal	20	1.11	-	26.69	27.26	4.27	-

BT-BR(1Mbps)

2480MHz_TX

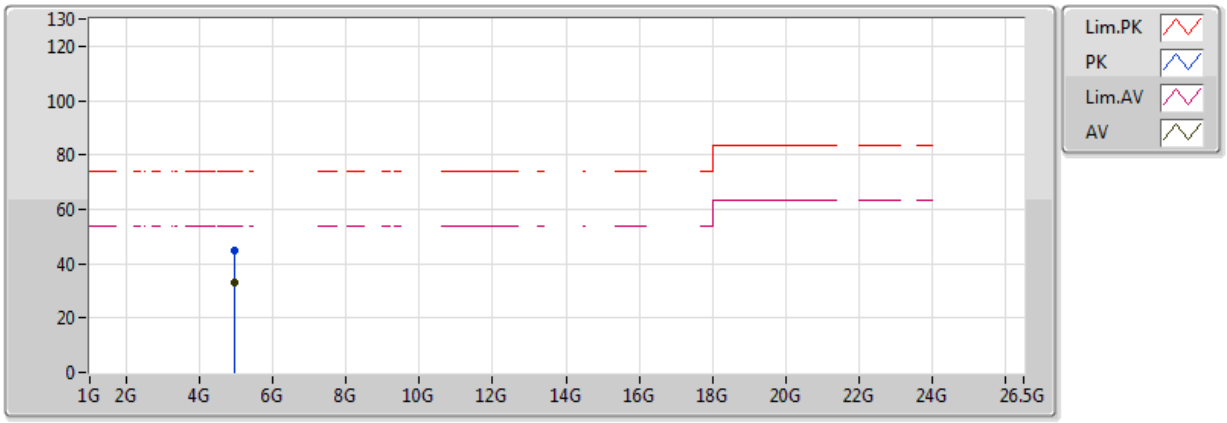


EUT = Z axis

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	33.28	54.00	-20.72	2.68	3	Vertical	0	1.50	-	30.60	31.44	6.46	35.21
PK	4.96G	45.04	74.00	-28.96	2.68	3	Vertical	0	1.50	-	42.36	31.44	6.46	35.21

BT-BR(1Mbps)

2480MHz_TX

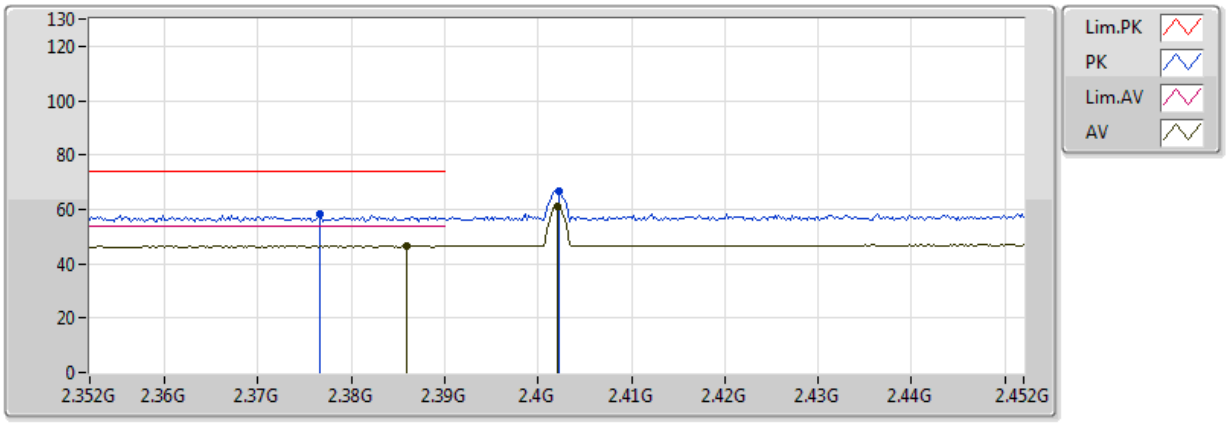


EUT = Z axis

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	33.19	54.00	-20.81	2.68	3	Horizontal	360	1.50	-	30.51	31.44	6.46	35.21
PK	4.96G	45.04	74.00	-28.96	2.68	3	Horizontal	360	1.50	-	42.36	31.44	6.46	35.21

BT-EDR(2Mbps)

2402MHz_TX

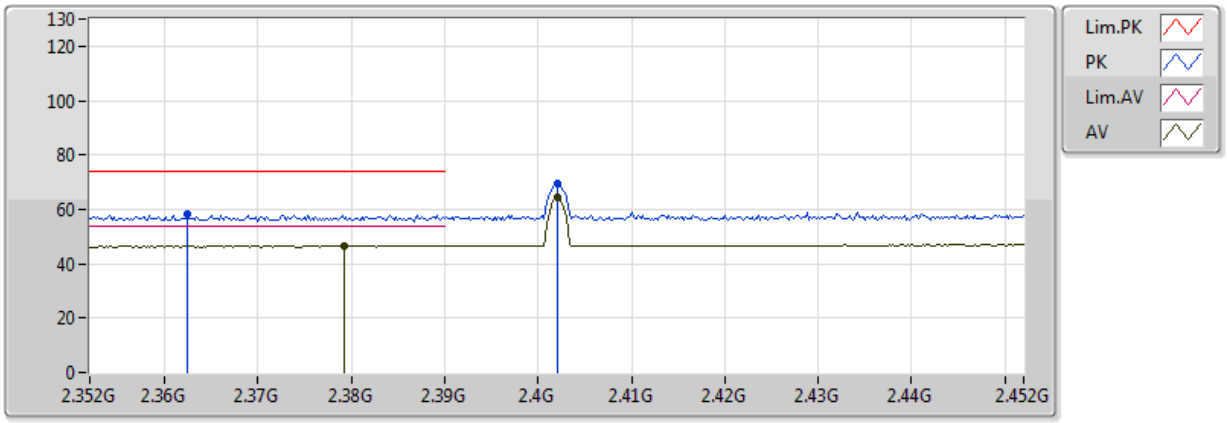


EUT = Z axis

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	2.386G	46.46	54.00	-7.54	31.16	3	Vertical	135	3.69	-	15.31	26.98	4.17	-
AV	2.402G	61.30	Inf	-Inf	31.22	3	Vertical	135	3.69	-	30.08	27.03	4.19	-
PK	2.3766G	58.18	74.00	-15.82	31.12	3	Vertical	135	3.69	-	27.06	26.95	4.16	-
PK	2.4022G	66.80	Inf	-Inf	31.22	3	Vertical	135	3.69	-	35.58	27.03	4.19	-

BT-EDR(2Mbps)

2402MHz_TX

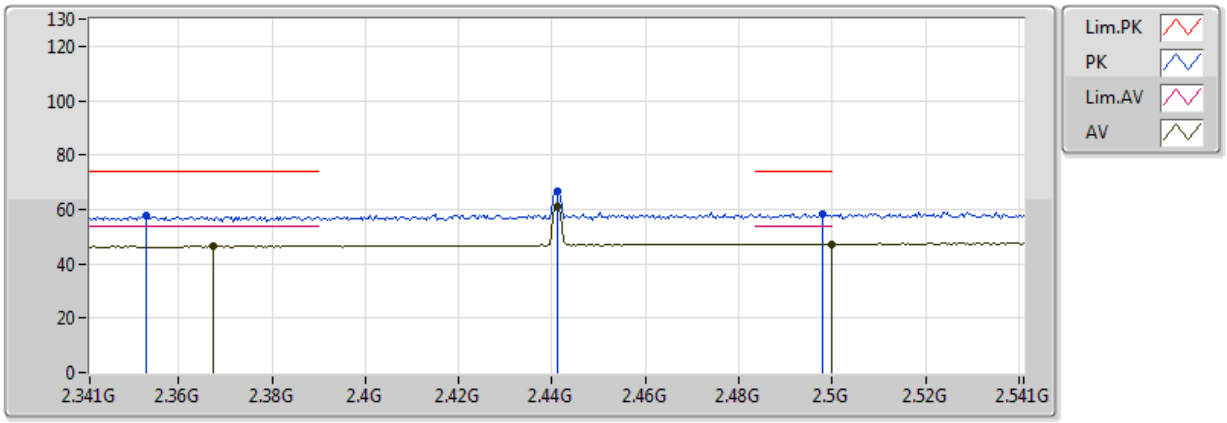


EUT = Z axis

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	2.3792G	46.46	54.00	-7.54	31.13	3	Horizontal	20	3.63	-	15.33	26.96	4.17	-
AV	2.402G	64.23	Inf	-Inf	31.22	3	Horizontal	20	3.63	-	33.01	27.03	4.19	-
PK	2.3624G	58.29	74.00	-15.71	31.06	3	Horizontal	20	3.63	-	27.23	26.91	4.15	-
PK	2.402G	69.28	Inf	-Inf	31.22	3	Horizontal	20	3.63	-	38.06	27.03	4.19	-

BT-EDR(2Mbps)

2441MHz_TX

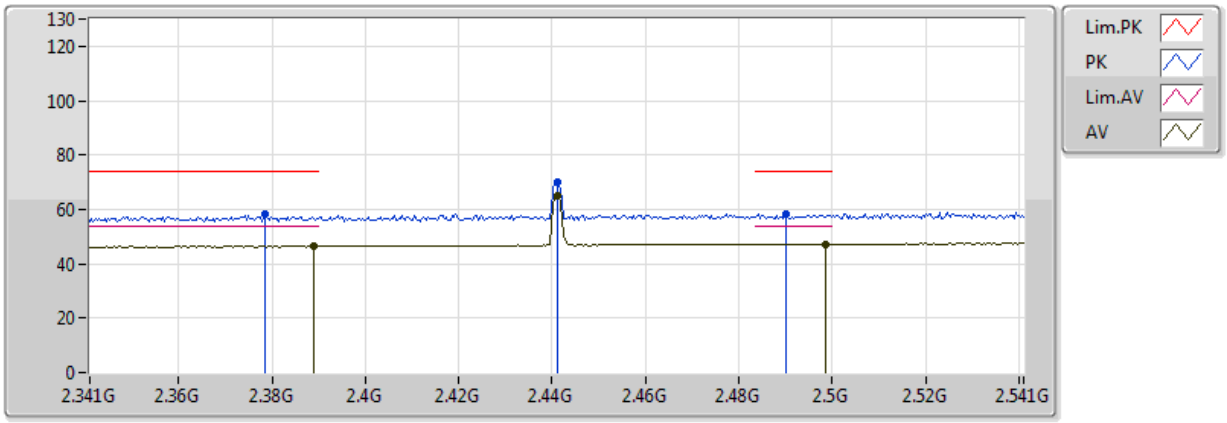


EUT = Z axis

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	2.3674G	46.43	54.00	-7.57	31.08	3	Vertical	318	1.17	-	15.35	26.93	4.15	-
AV	2.441G	61.05	Inf	-Inf	31.37	3	Vertical	318	1.17	-	29.69	27.13	4.23	-
AV	2.499998G	47.32	54.00	-6.68	31.59	3	Vertical	318	1.17	-	15.73	27.30	4.29	-
PK	2.353G	57.66	74.00	-16.34	31.03	3	Vertical	318	1.17	-	26.63	26.89	4.14	-
PK	2.441G	66.74	Inf	-Inf	31.37	3	Vertical	318	1.17	-	35.37	27.13	4.23	-
PK	2.4978G	58.38	74.00	-15.62	31.58	3	Vertical	318	1.17	-	26.79	27.29	4.29	-

BT-EDR(2Mbps)

2441MHz_TX

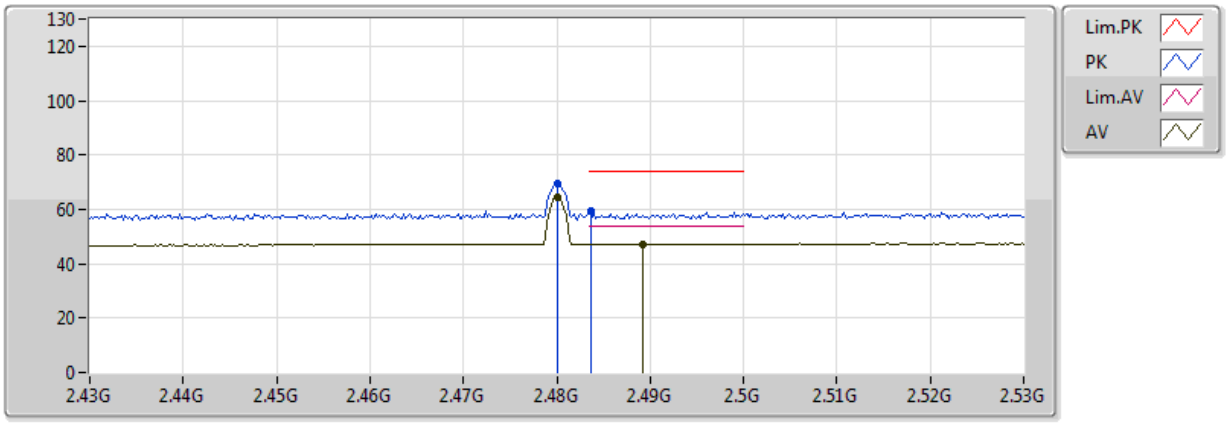


EUT = Z axis

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	2.389G	46.50	54.00	-7.50	31.17	3	Horizontal	21	1.04	-	15.33	26.99	4.18	-
AV	2.441G	65.04	Inf	-Inf	31.37	3	Horizontal	21	1.04	-	33.67	27.13	4.23	-
AV	2.4986G	47.32	54.00	-6.68	31.58	3	Horizontal	21	1.04	-	15.74	27.30	4.29	-
PK	2.3786G	58.23	74.00	-15.77	31.13	3	Horizontal	21	1.04	-	27.11	26.96	4.17	-
PK	2.441G	70.06	Inf	-Inf	31.37	3	Horizontal	21	1.04	-	38.70	27.13	4.23	-
PK	2.4902G	58.17	74.00	-15.83	31.55	3	Horizontal	21	1.04	-	26.62	27.27	4.28	-

BT-EDR(2Mbps)

2480MHz_TX

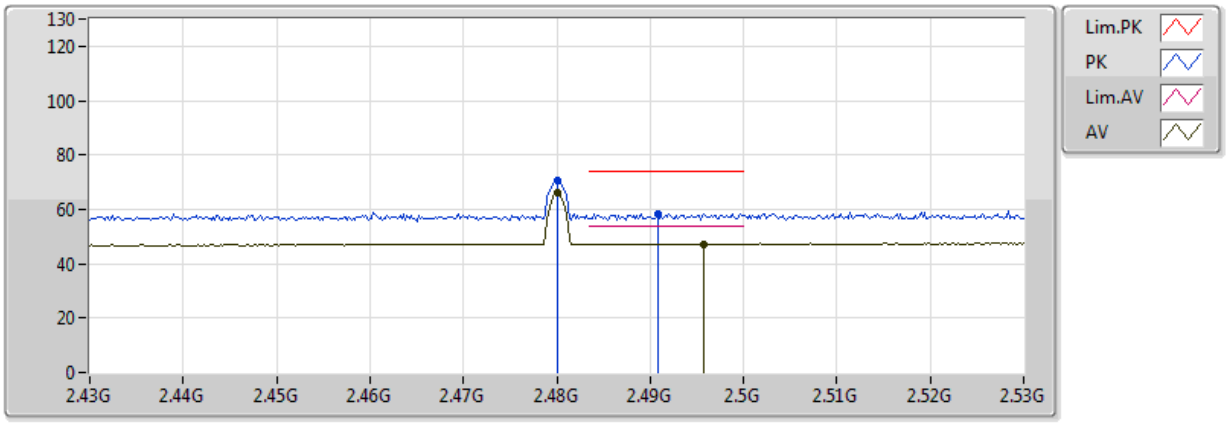


EUT = Z axis

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	64.63	Inf	-Inf	31.51	3	Vertical	134	3.18	-	33.11	27.24	4.27	-
AV	2.4892G	47.29	54.00	-6.71	31.55	3	Vertical	134	3.18	-	15.74	27.27	4.28	-
PK	2.48G	69.55	Inf	-Inf	31.51	3	Vertical	134	3.18	-	38.04	27.24	4.27	-
PK	2.4836G	59.21	74.00	-14.79	31.53	3	Vertical	134	3.18	-	27.68	27.25	4.27	-

BT-EDR(2Mbps)

2480MHz_TX

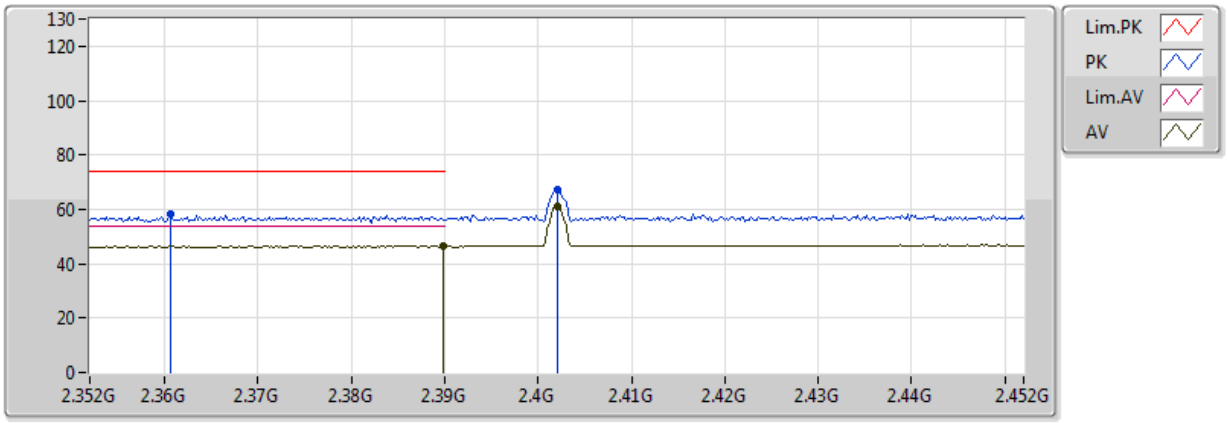


EUT = Z axis

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	65.87	Inf	-Inf	31.51	3	Horizontal	23	3.69	-	34.36	27.24	4.27	-
AV	2.4958G	47.26	54.00	-6.74	31.57	3	Horizontal	23	3.69	-	15.69	27.29	4.29	-
PK	2.48G	70.82	Inf	-Inf	31.51	3	Horizontal	23	3.69	-	39.31	27.24	4.27	-
PK	2.4908G	58.29	74.00	-15.71	31.56	3	Horizontal	23	3.69	-	26.73	27.27	4.28	-

BT-EDR(3Mbps)

2402MHz_TX

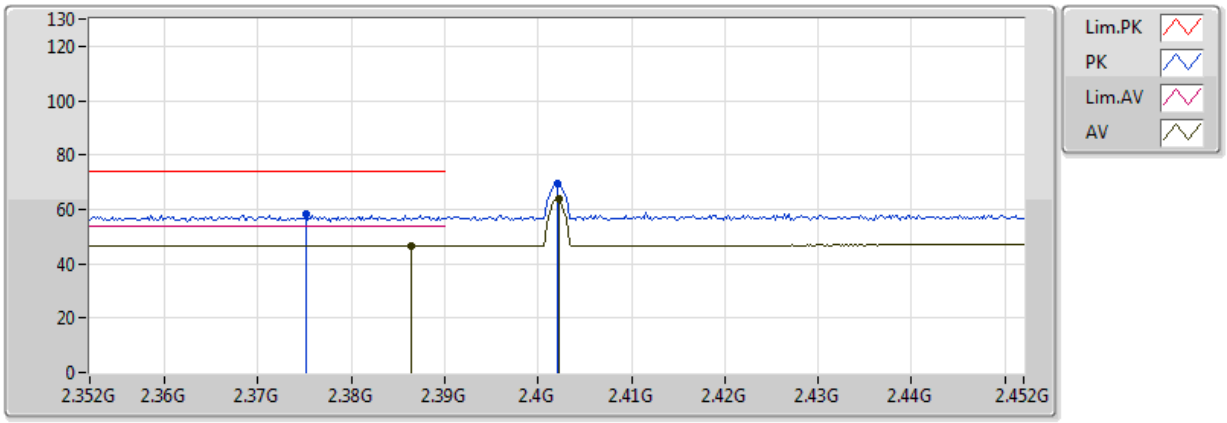


EUT = Z axis

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	2.3898G	46.47	54.00	-7.53	31.17	3	Vertical	136	3.69	-	15.30	26.99	4.18	-
AV	2.402G	61.09	Inf	-Inf	31.22	3	Vertical	136	3.69	-	29.87	27.03	4.19	-
PK	2.3606G	58.38	74.00	-15.62	31.06	3	Vertical	136	3.69	-	27.32	26.91	4.15	-
PK	2.402G	67.12	Inf	-Inf	31.22	3	Vertical	136	3.69	-	35.91	27.03	4.19	-

BT-EDR(3Mbps)

2402MHz_TX

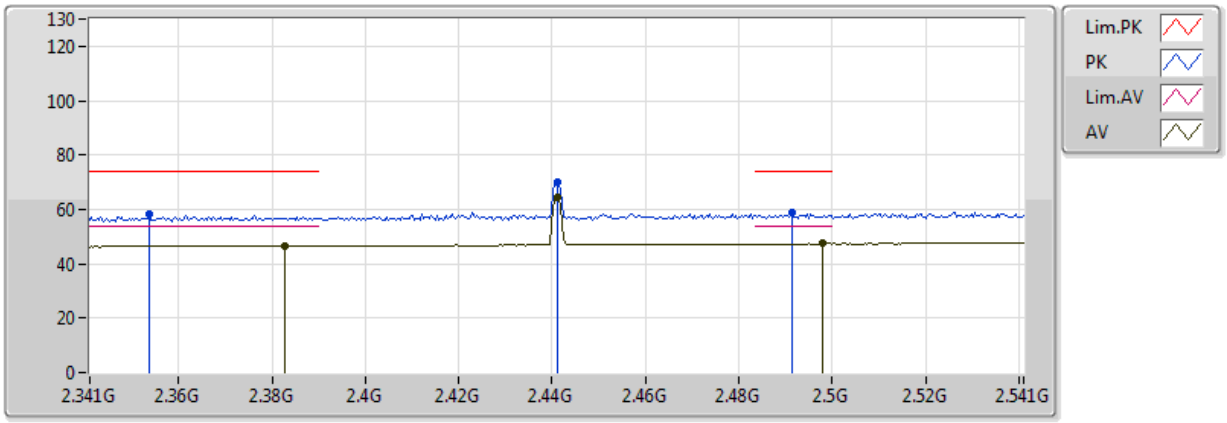


EUT = Z axis

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	2.3864G	46.58	54.00	-7.42	31.16	3	Horizontal	20	3.65	-	15.42	26.98	4.18	-
AV	2.4022G	63.73	Inf	-Inf	31.22	3	Horizontal	20	3.65	-	32.51	27.03	4.19	-
PK	2.3752G	58.18	74.00	-15.82	31.11	3	Horizontal	20	3.65	-	27.06	26.95	4.16	-
PK	2.402G	69.62	Inf	-Inf	31.22	3	Horizontal	20	3.65	-	38.40	27.03	4.19	-

BT-EDR(3Mbps)

2441MHz_TX

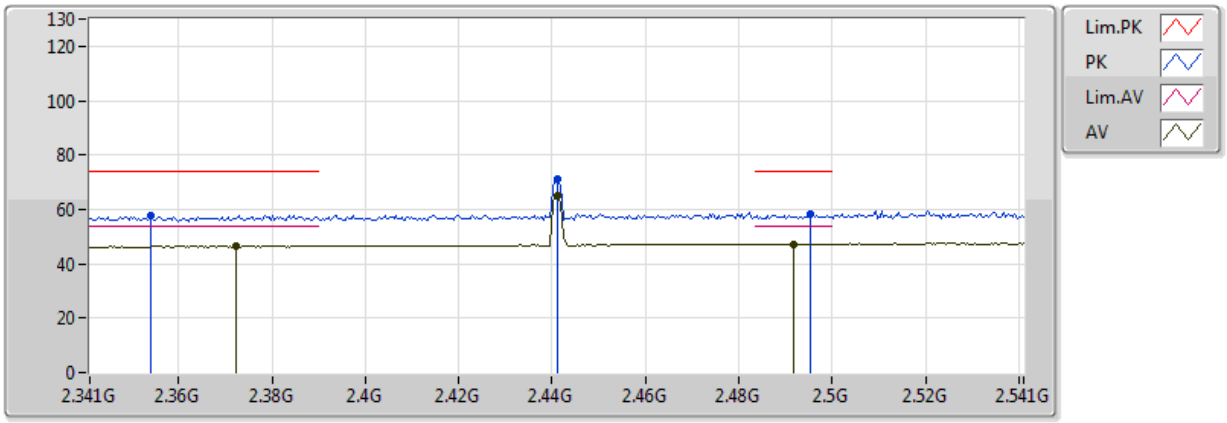


EUT = Z axis

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	2.3826G	46.57	54.00	-7.43	31.14	3	Vertical	137	3.66	-	15.42	26.97	4.17	-
AV	2.441G	64.17	Inf	-Inf	31.37	3	Vertical	137	3.66	-	32.80	27.13	4.23	-
AV	2.4978G	47.37	54.00	-6.63	31.58	3	Vertical	137	3.66	-	15.79	27.29	4.29	-
PK	2.3538G	58.02	74.00	-15.98	31.03	3	Vertical	137	3.66	-	26.99	26.89	4.14	-
PK	2.441G	69.92	Inf	-Inf	31.37	3	Vertical	137	3.66	-	38.56	27.13	4.23	-
PK	2.4914G	58.94	74.00	-15.06	31.56	3	Vertical	137	3.66	-	27.38	27.28	4.28	-

BT-EDR(3Mbps)

2441MHz_TX

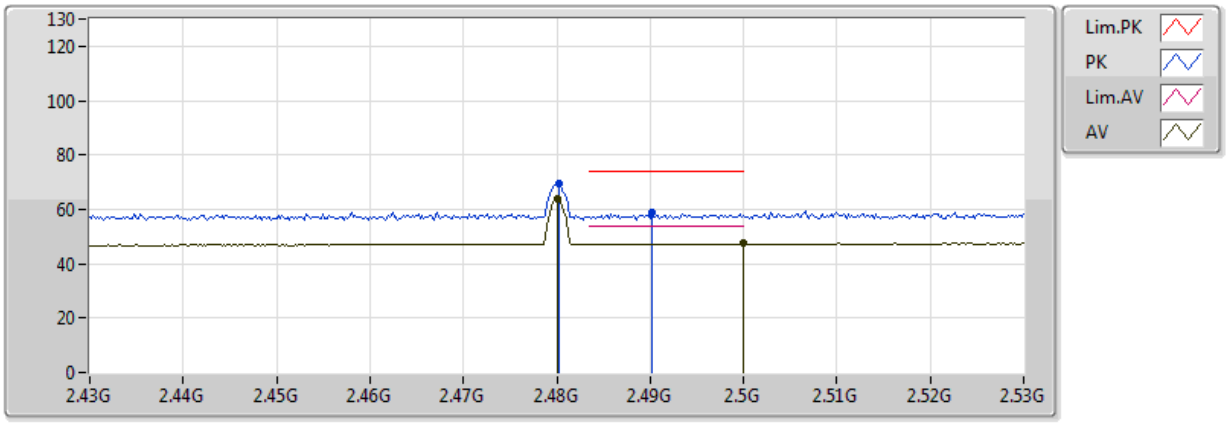


EUT = Z axis

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	2.3722G	46.47	54.00	-7.53	31.10	3	Horizontal	24	3.50	-	15.37	26.94	4.16	-
AV	2.441G	65.28	Inf	-Inf	31.37	3	Horizontal	24	3.50	-	33.92	27.13	4.23	-
AV	2.4918G	47.25	54.00	-6.75	31.56	3	Horizontal	24	3.50	-	15.69	27.28	4.28	-
PK	2.3542G	57.85	74.00	-16.15	31.03	3	Horizontal	24	3.50	-	26.82	26.89	4.14	-
PK	2.441G	70.91	Inf	-Inf	31.37	3	Horizontal	24	3.50	-	39.55	27.13	4.23	-
PK	2.4954G	58.35	74.00	-15.65	31.57	3	Horizontal	24	3.50	-	26.78	27.29	4.29	-

BT-EDR(3Mbps)

2480MHz_TX

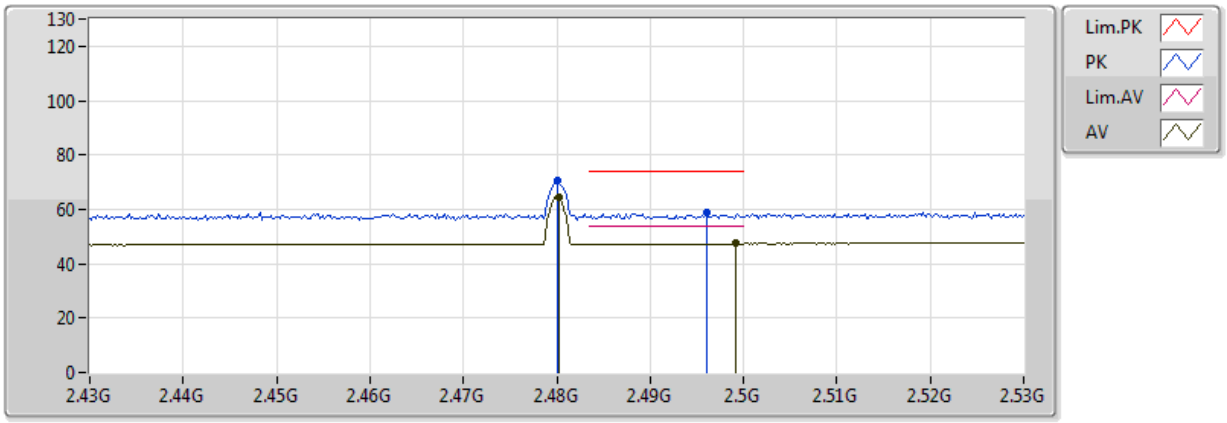


EUT = Z axis

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	63.80	Inf	-Inf	31.51	3	Vertical	139	3.18	-	32.29	27.24	4.27	-
AV	2.5G	47.35	54.00	-6.65	31.59	3	Vertical	139	3.18	-	15.76	27.30	4.29	-
PK	2.4802G	69.56	Inf	-Inf	31.51	3	Vertical	139	3.18	-	38.04	27.24	4.27	-
PK	2.4902G	58.72	74.00	-15.28	31.55	3	Vertical	139	3.18	-	27.16	27.27	4.28	-

BT-EDR(3Mbps)

2480MHz_TX



EUT = Z axis

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	2.4802G	64.48	Inf	-Inf	31.51	3	Horizontal	24	3.69	-	32.97	27.24	4.27	-
AV	2.4992G	47.36	54.00	-6.64	31.59	3	Horizontal	24	3.69	-	15.78	27.30	4.29	-
PK	2.48G	70.42	Inf	-Inf	31.51	3	Horizontal	24	3.69	-	38.91	27.24	4.27	-
PK	2.496G	58.58	74.00	-15.42	31.57	3	Horizontal	24	3.69	-	27.01	27.29	4.29	-

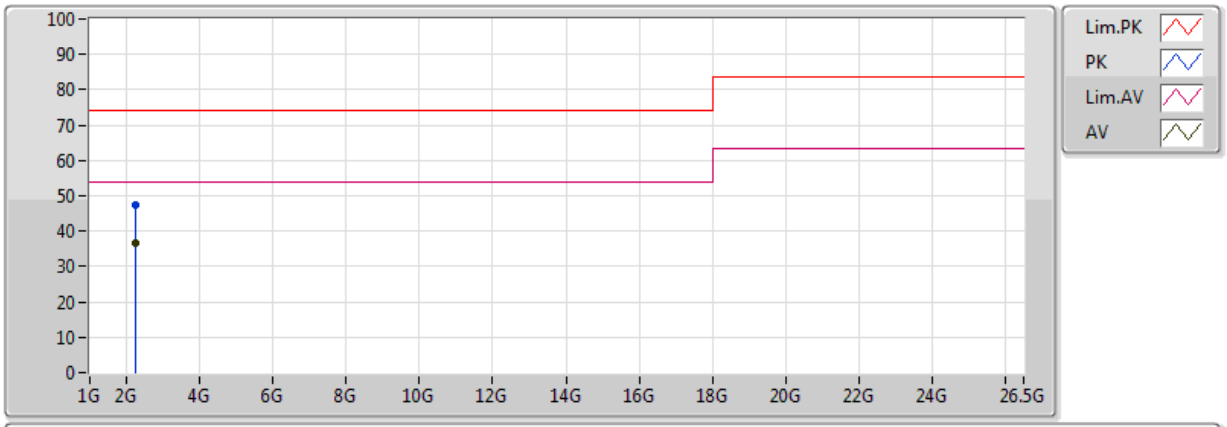
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1.	Pass	AV	2.232G	36.67	54.00	-17.33	-4.07	3	Vertical	0	1.50	-
Mode 2.	Pass	AV	1.6G	28.36	54.00	-25.64	-5.92	3	Vertical	360	1.50	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1.	Pass	AV	2.24G	34.30	54.00	-19.70	-4.04	3	Horizontal	360	1.50	-
Mode 1.	Pass	PK	2.24G	44.08	74.00	-29.92	-4.04	3	Horizontal	360	1.50	-
Mode 1.	Pass	AV	2.232G	36.67	54.00	-17.33	-4.07	3	Vertical	0	1.50	-
Mode 1.	Pass	PK	2.232G	47.32	74.00	-26.68	-4.07	3	Vertical	0	1.50	-
Mode 2.	Pass	AV	2.132G	24.59	54.00	-29.41	-4.37	3	Horizontal	0	1.50	-
Mode 2.	Pass	PK	2.132G	41.22	74.00	-32.78	-4.37	3	Horizontal	0	1.50	-
Mode 2.	Pass	AV	1.6G	28.36	54.00	-25.64	-5.92	3	Vertical	360	1.50	-
Mode 2.	Pass	PK	1.6G	43.94	74.00	-30.06	-5.92	3	Vertical	360	1.50	-

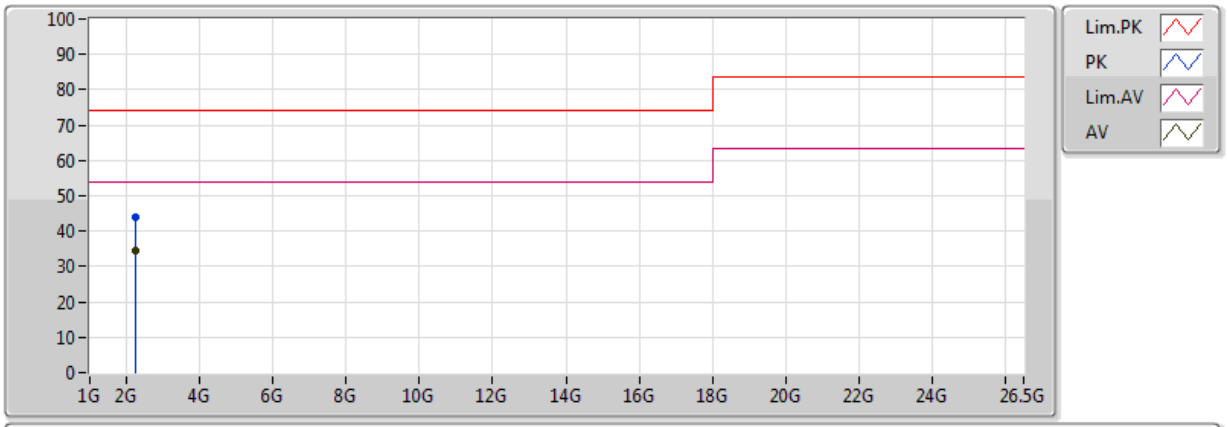
Radiated-above 1GHz_Mode 1



EUT = Z
2.4G+BT

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	2.232G	36.67	54.00	-17.33	-4.07	3	Vertical	0	1.50	-	40.74	26.90	3.47	34.44
PK	2.232G	47.32	74.00	-26.68	-4.07	3	Vertical	0	1.50	-	51.39	26.90	3.47	34.44

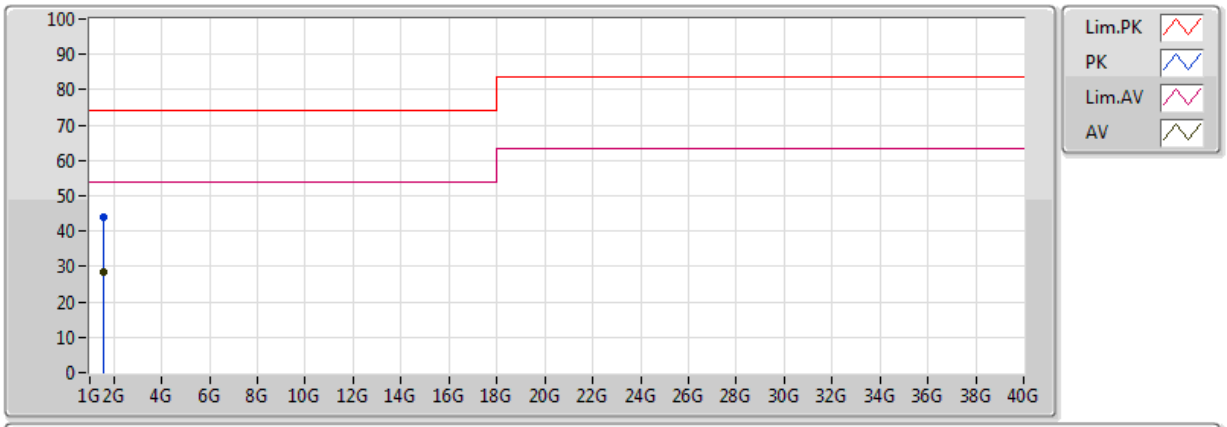
Radiated-above 1GHz_Mode 1



EUT = Z
2.4G+BT

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	2.24G	34.30	54.00	-19.70	-4.04	3	Horizontal	360	1.50	-	38.34	26.92	3.48	34.45
PK	2.24G	44.08	74.00	-29.92	-4.04	3	Horizontal	360	1.50	-	48.12	26.92	3.48	34.45

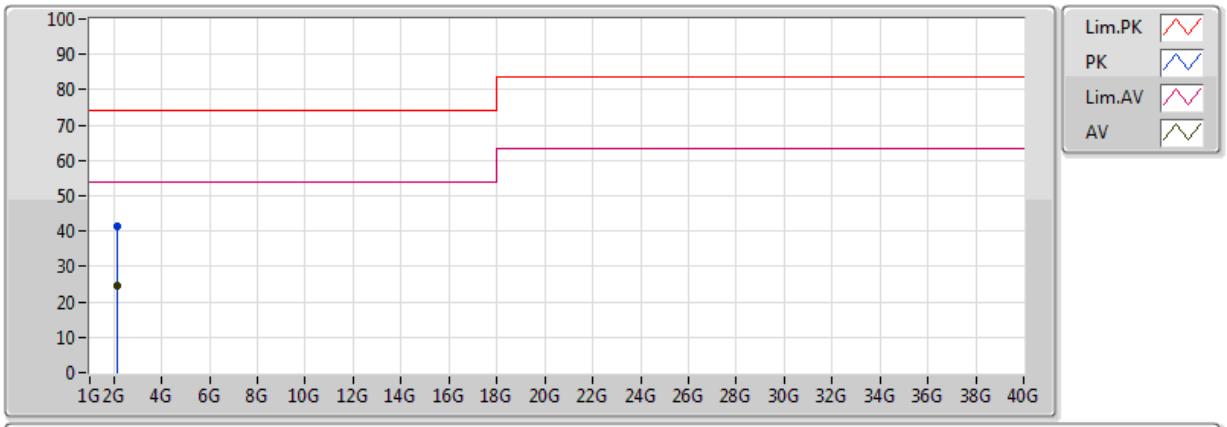
Radiated-above 1GHz_Mode 2



EUT = Z
5G+BT

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	1.6G	28.36	54.00	-25.64	-5.92	3	Vertical	360	1.50	-	34.28	25.66	2.90	34.48
PK	1.6G	43.94	74.00	-30.06	-5.92	3	Vertical	360	1.50	-	49.86	25.66	2.90	34.48

Radiated-above 1GHz_Mode 2



EUT = Z
5G+BT

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	2.132G	24.59	54.00	-29.41	-4.37	3	Horizontal	0	1.50	-	28.96	26.64	3.38	34.40
PK	2.132G	41.22	74.00	-32.78	-4.37	3	Horizontal	0	1.50	-	45.59	26.64	3.38	34.40