FCC Test Report

Equipment	:	**BLE Card**
Model No.	:	**C0291**
FCC ID	:	**2ADPT-C0291**
Standard	:	**47 CFR FCC Part 15.247**
Frequency	:	**2400 MHz – 2483.5 MHz**
Function	:	**☒Point-to-multipoint; ☐Point-to-point**
Applicant / Manufacturer	:	**SmartDisplayer Technology Co., Ltd. No.2-1, Gongjian Rd., Qidu Dist., Keelung City 20647, Taiwan (R.O.C.)**

The product sample received on Apr. 19, 2017 and completely tested on Jun. 07, 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
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

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Summary of Test Result

Conformance Test Specifications				
Report Clause	**Ref. Std. Clause**	**Description**	**Limit**	**Result**
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	DTS Bandwidth	≥500kHz	Complied
3.3	15.247(b)	Maximum Conducted Output Power	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	Non-Restricted Bands: >30 dBc	Complied
3.6	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied

Revision History

Report No.	Version	Description	Issued Date
FR741975AL	Rev. 01	Initial issue of report	May 18, 2017
FR741975AL	Rev. 02	Radiated Emission data below 30MHz was evaluated	Jun. 09, 2017

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	Bluetooth Mode	Ch. Frequency (MHz)	Channel Number
2400-2483.5	LE	2402-2480	0-39 [40]

Band	Mode	BWch (MHz)	Nant
2.4G	BT-LE	1	1

Note:
- Bluetooth LE uses a GFSK (1Mbps) modulation for DSSS.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Antenna Type	Connector	Gain (dBi)
1	1	Printed Antenna	Mini I-PEX	3.77

1.1.3 EUT Information

Operational Condition		
EUT Power Type	From Battery / DC Power Supply	
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-LE(1Mbps)	0.626	2.034	391.875u	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
- ANSI C63.10-2013
- KDB 558074 D01 v04

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. 553509 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Lisa	22.8°C / 63.8%	25/Apr/2017
Radiated below 1G	03CH02-HY	Lynus	24.5°C / 58%	07/Jun/2017
Radiated above 1G	03CH01-HY	Lynus	24.5°C / 58%	26/Apr/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
RF Conducted-DTS	Abbreviation	Remark
TnomVnom	Tnom	20°C
	Vnom	3V

2.2 Test Channel Mode

Test Software	DoS

Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	default
2440MHz	default
2480MHz	default

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density 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	DC Power Supply Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT	V		

2.4 Support Equipment

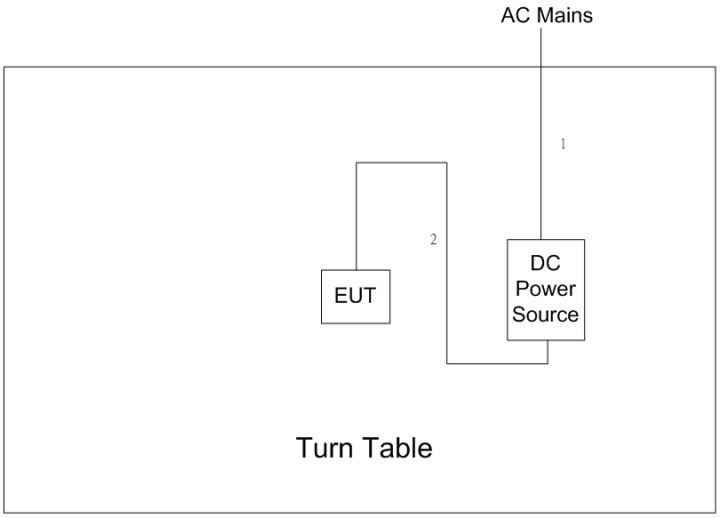
Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for Notebook	DELL	HA65NM130	DoC
3	DC Power Source	G.W.	GPS-3030DD	-

Support Equipment – Radiated Emission below 1G				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	DC power supply	GWinstek	GPS-3030DD	-

Support Equipment – Radiated Emission above 1G				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	DC power supply	GWinstek	GPS-3030DD	-

2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test



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

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

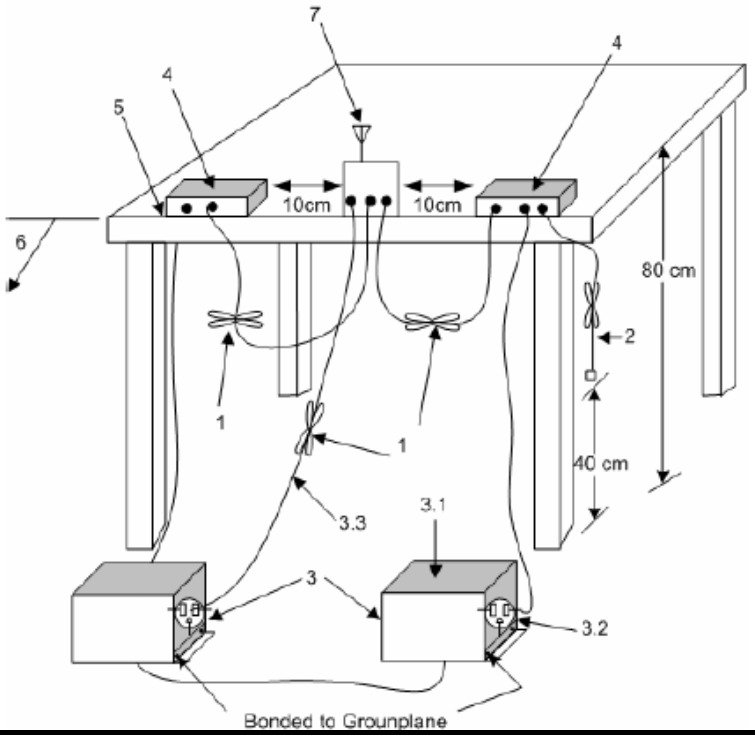
Refer a test equipment and calibration data table in this test report.

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

Please refer to Part 15.207 (c) which states, “Measurements to demonstrate compliance with the conducted limits are not required for devices employ battery for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines”.
Therefore, for this device, AC Power Line Conducted Emissions investigation is not required.

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

3.2.2 Measuring Instruments

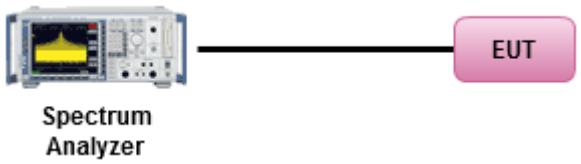
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit			
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)		
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm		
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm		
	▪ Smart antenna system (SAS):		
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm	
e.i.r.p. Power Limit:			
▪ 2400-2483.5 MHz Band			
	▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)		
	▪ Point-to-point systems (P2P): $P_{eirp} \leq$ MAX(36, [$P_{Out} + G_{TX}$]) dBm		
	▪ Smart antenna system (SAS)		
		- Single beam: $P_{eirp} \leq$ MAX(36, $P_{Out} + G_{TX}$) dBm	
		- Overlap beam: $P_{eirp} \leq$ MAX(36, $P_{Out} + G_{TX}$) dBm	
		- Aggregate power on all beams: $P_{eirp} \leq$ MAX(36, [$P_{Out} + G_{TX} + 8$]) dBm	
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.			

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
	☐ Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)
	☐ Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)
▪ Maximum Average Conducted Output Power	
	Duty cycle ≥ 98%
	☐ Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	Duty cycle < 98%
	☐ Refer as KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
	RF power meter and average over on/off periods with duty factor or gated trigger
	☒ Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD)≤8 dBm/3kHz

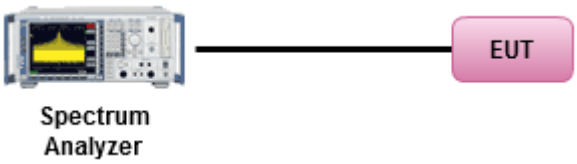
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method			
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).			
	☒ Refer as KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).		
▪ For conducted measurement.			
	▪ If The EUT supports multiple transmit chains using options given below:		
		☐	Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix C

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 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.

3.5.2 Measuring Instruments

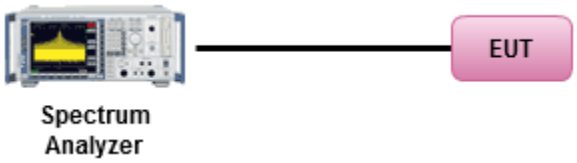
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
▪ Refer as KDB 558074, clause 11 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

3.6 Emissions in Restricted Frequency Bands

3.6.1 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.

3.6.2 Measuring Instruments

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

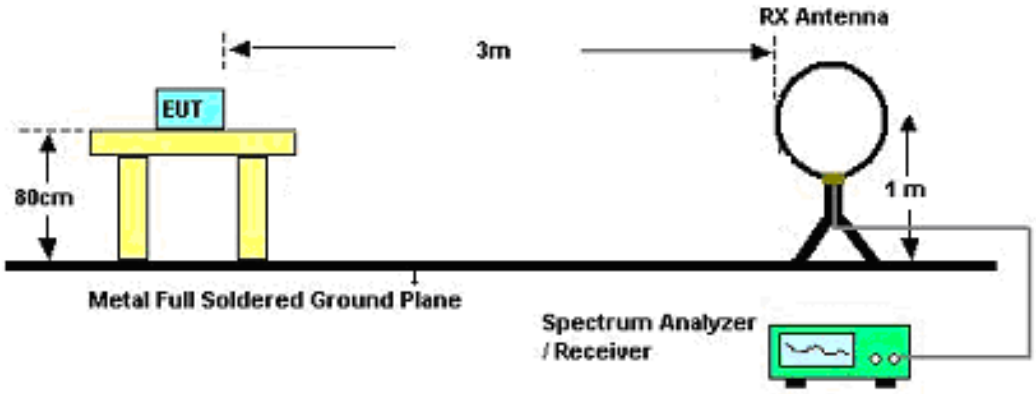
3.6.3 Test Procedures

Test Method
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪ Refer as ANSI C63.10, clause 6.10.3 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 KDB 558074, clause 12 for unwanted emissions into restricted bands.
☒ Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW≥1/T.
☒ Refer as KDB 558074, clause 12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:
▪ Refer as KDB 558074 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
▪ Refer as KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
▪ Refer as KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
▪ For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2.
▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
▪ For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

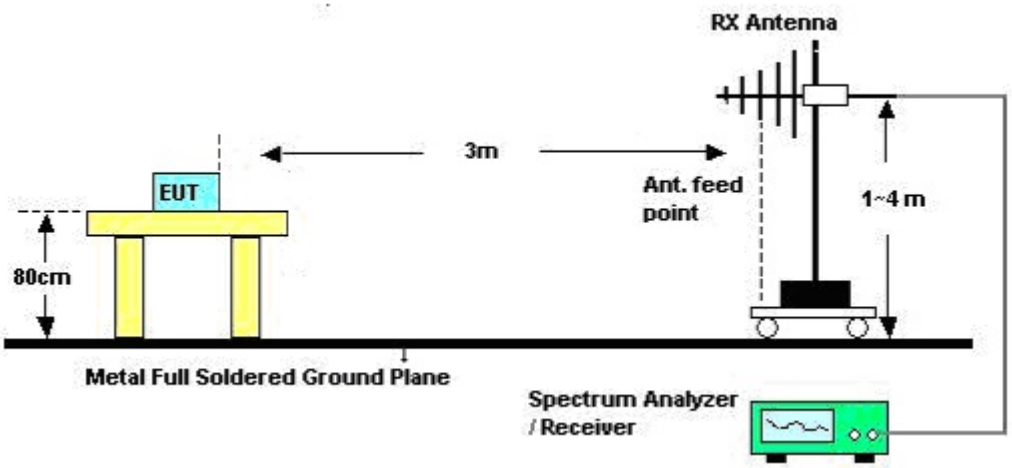
3.6.4 Test Setup

Emissions in Restricted Frequency Bands

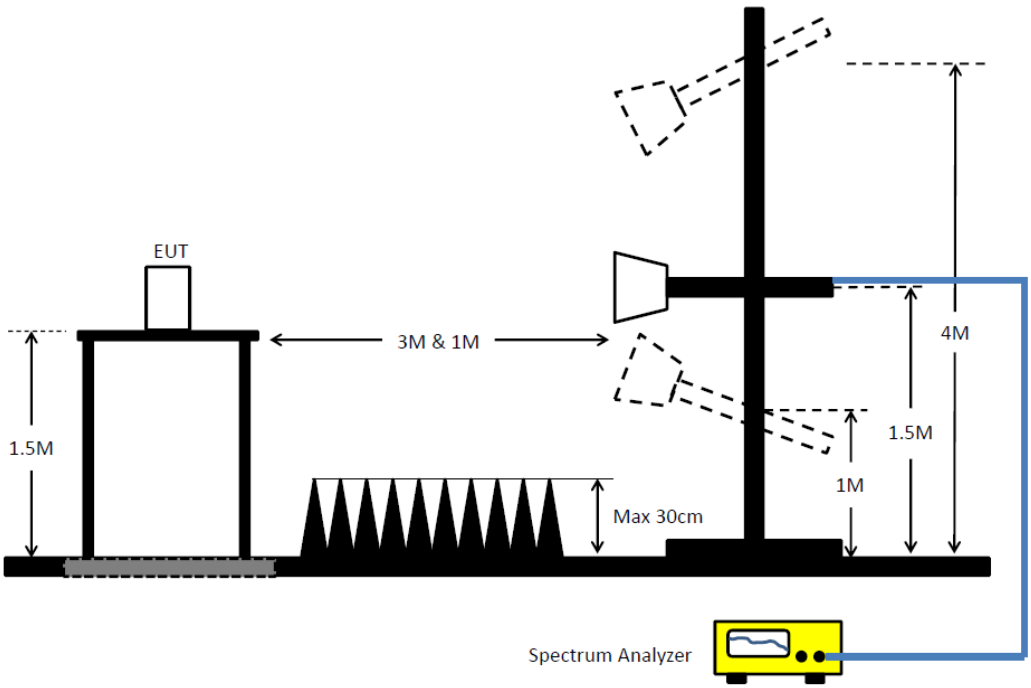
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	10Hz~40GHz	12/May/2016	11/May/2017
Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	24/Feb/2017	23/Feb/2018
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	24/Feb/2017	23/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	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

Instrument for Radiated below 1G 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
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	01/Jul/2016	30/Jun/2017
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30 MHz	02/Mar/2017	01/Mar/2018

Instrument for Radiated above 1G Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101514	9kHz ~ 40GHz	13/Sep/2016	12/Sep/2017
Amplifier	Keysight	83017A	MY53270197	1GHz ~ 26.5GHz	29/Aug/2016	28/Aug/2017
Amplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	12/May/2016	11/May/2018
Horn Antenna	COM-POWER	AH-118	10094	1GHz ~ 18GHz	26/May/2016	25/May/2017
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
RF Cable-8m for High Frequency	HUBER+SUHNER	SUCOFLEX_104	MY34919/4	1GHz ~ 40GHz	19/May/2016	18/May/2017

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-	-
2.4-2.4835GHz	720k	1.052M	1M05F1D	693.75k	1.051M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

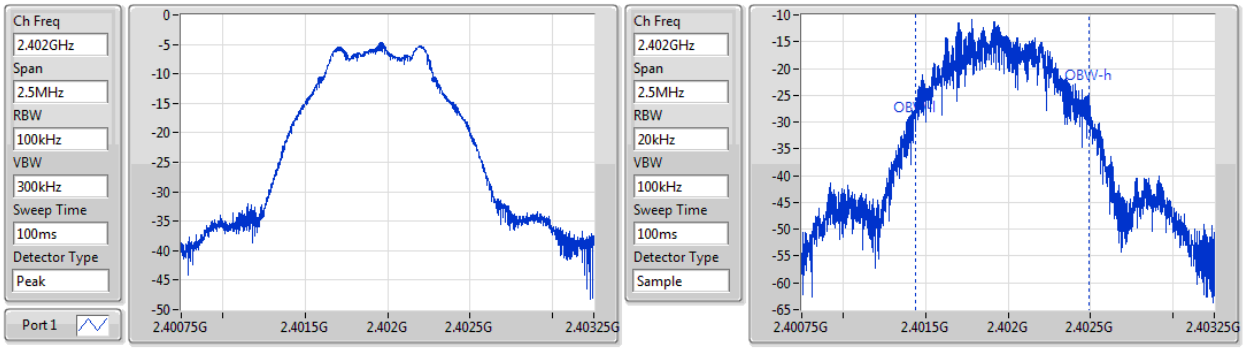
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	693.75k	1.052M
2440MHz	Pass	500k	720k	1.051M
2480MHz	Pass	500k	698.75k	1.051M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

BT-LE(1Mbps) **EBW**

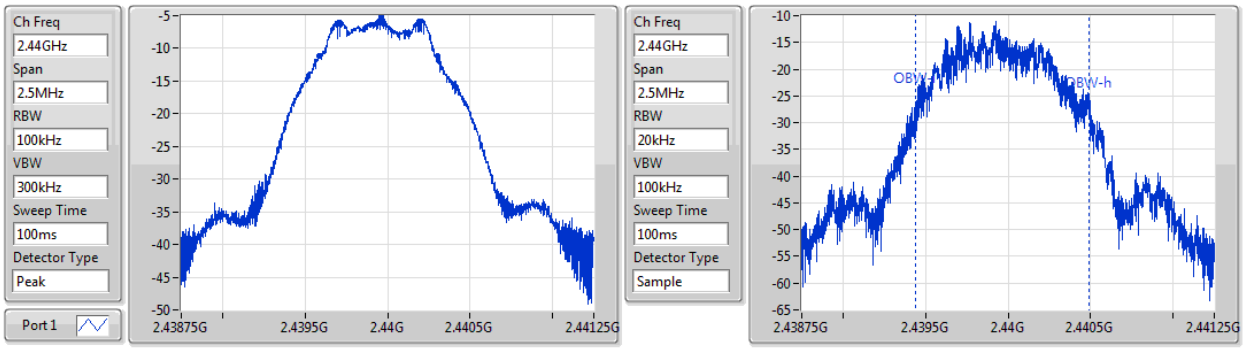
2402MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
693.75k	2.401591G	2.402285G	1.052M	2.401438G	2.40249G	500k	1

BT-LE(1Mbps) **EBW**

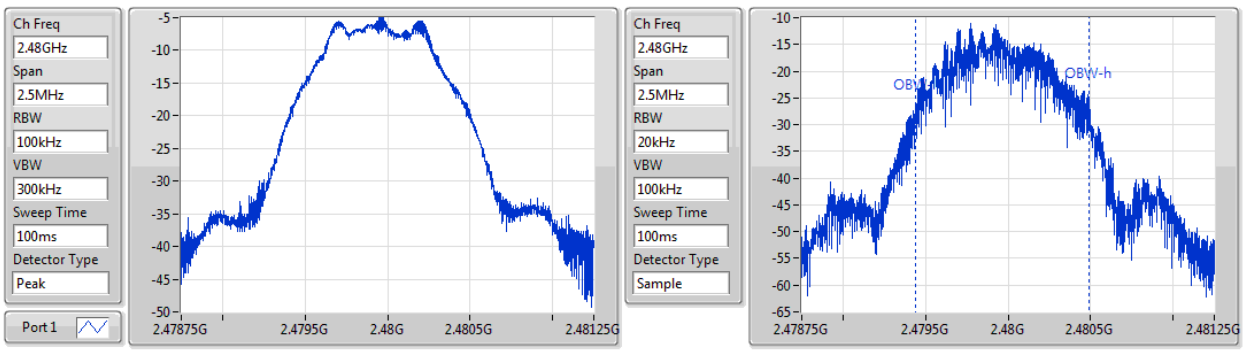
2440MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
720k	2.439583G	2.440303G	1.051M	2.439443G	2.440494G	500k	1

BT-LE(1Mbps) **EBW**

2480MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
698.75k	2.479598G	2.480296G	1.051M	2.479438G	2.480489G	500k	1

Summary

Mode	Power	Power
	(dBm)	(W)
BT-LE(1Mbps)	-	-
2.4-2.4835GHz	-4.39	0.00036

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.77	-4.39	30.00
2440MHz	Pass	3.77	-4.57	30.00
2480MHz	Pass	3.77	-4.55	30.00

Summary

Mode	PD (dBm/RBW)
BT-LE(1Mbps)	-
2.4-2.4835GHz	-19.12

RBW=3kHz.

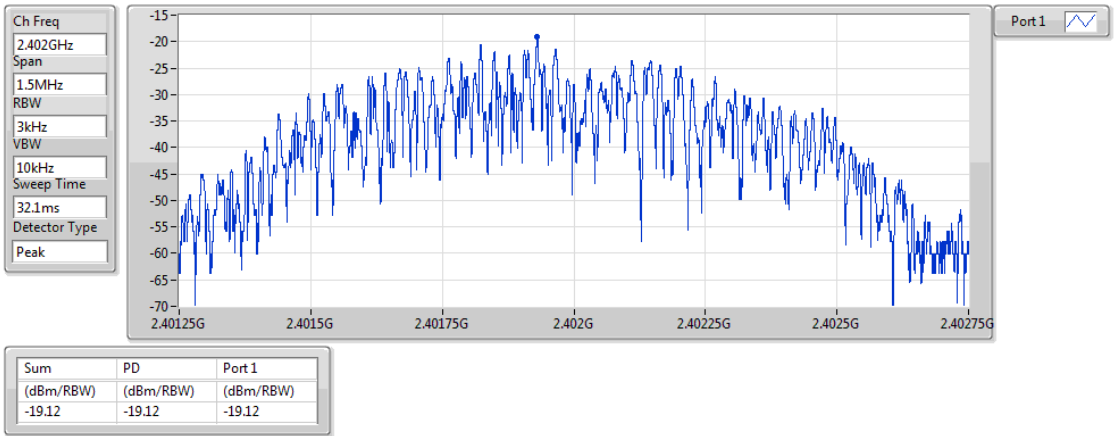
Result

Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	3.77	-19.12	8.00
2440MHz	Pass	3.77	-19.53	8.00
2480MHz	Pass	3.77	-19.13	8.00

RBW=3kHz.

BT-LE(1Mbps) **PSD**

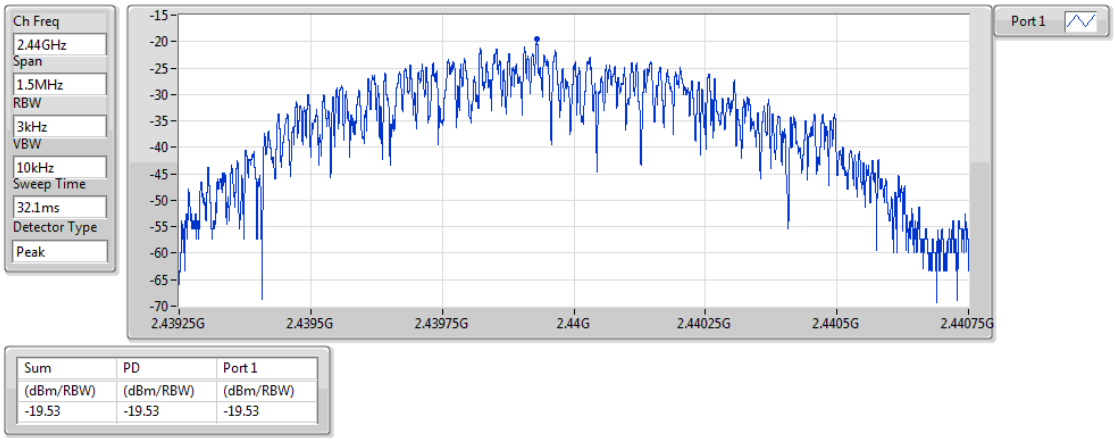
2402MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.12	-19.12	-19.12

BT-LE(1Mbps) **PSD**

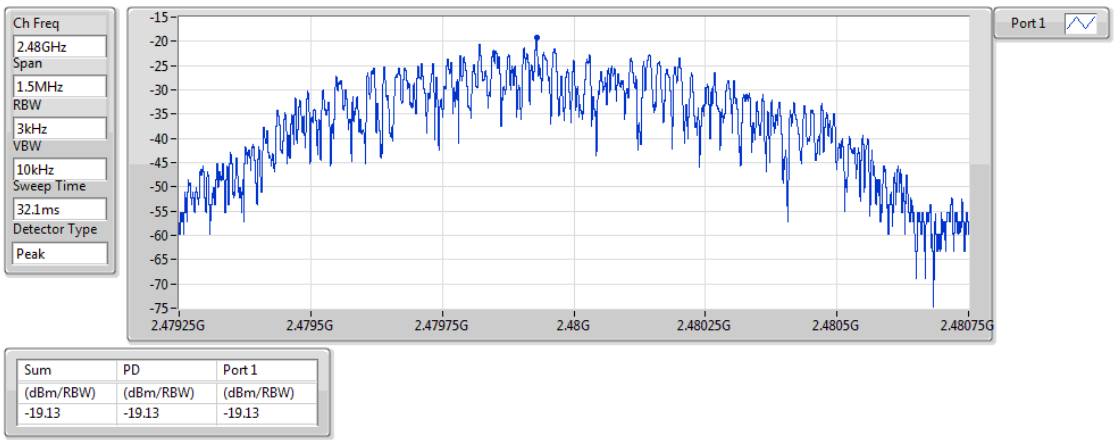
2440MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.53	-19.53	-19.53

BT-LE(1Mbps) **PSD**

2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.13	-19.13	-19.13

Summary

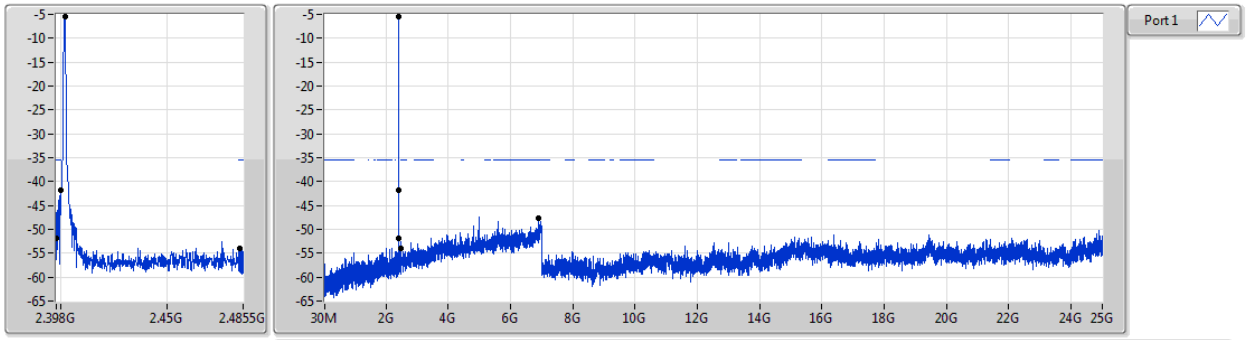
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.402171G	-5.54	-35.54	2.398G	-51.96	2.399972G	-41.91	2.484052G	-53.98	6.909599G	-47.70	1

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-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.402171G	-5.54	-35.54	2.398G	-51.96	2.399972G	-41.91	2.484052G	-53.98	6.909599G	-47.70	1
2440MHz	Pass	2.439913G	-5.54	-35.54	1.80008G	-54.78	2.399524G	-54.61	2.48406G	-53.34	6.951814G	-47.16	1
2480MHz	Pass	2.479993G	-5.54	-35.54	1.772848G	-54.28	2.398052G	-53.95	2.483776G	-47.39	6.954628G	-47.25	1

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

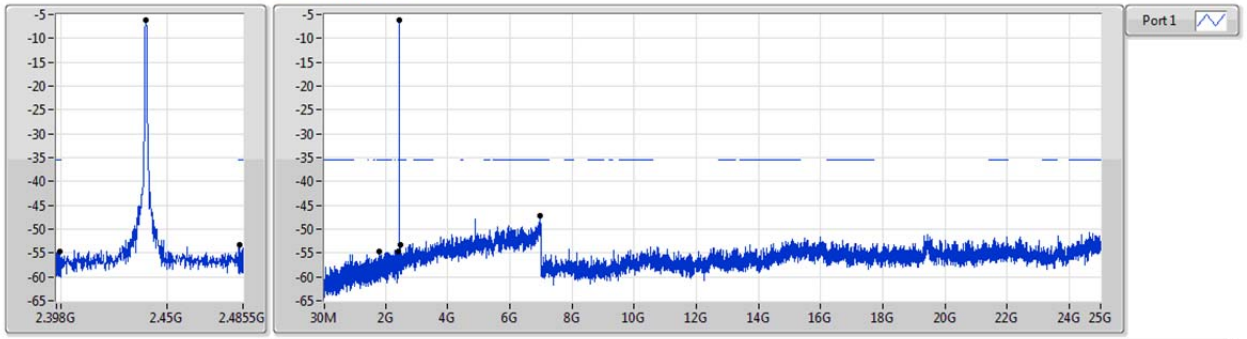
2402MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.402171G	-5.54	-35.54	2.398G	-51.96	2.399972G	-41.91	2.484052G	-53.98	6.909599G	-47.70	1

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

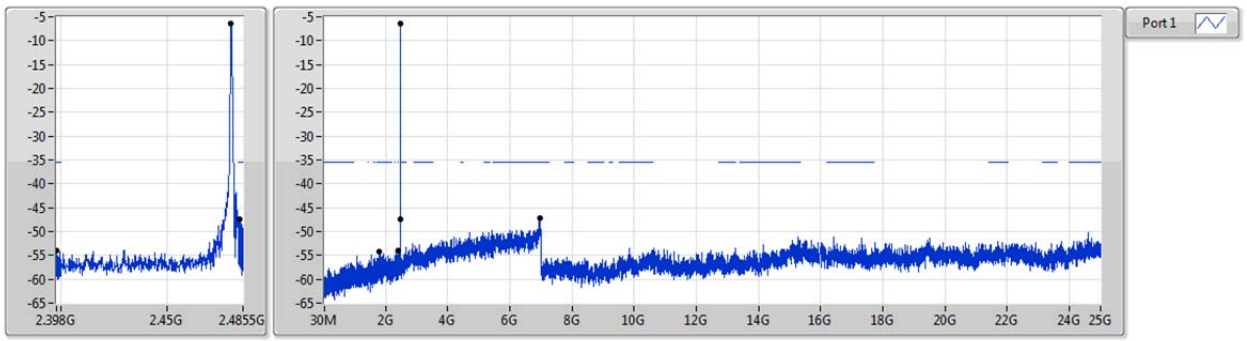
2440MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439913G	-5.54	-35.54	1.80008G	-54.78	2.399524G	-54.61	2.48406G	-53.34	6.951814G	-47.16	1

BT-LE(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
2.479993G	-5.54	-35.54	1.772848G	-54.28	2.398052G	-53.95	2.483776G	-47.39	6.954628G	-47.25	1

Summary

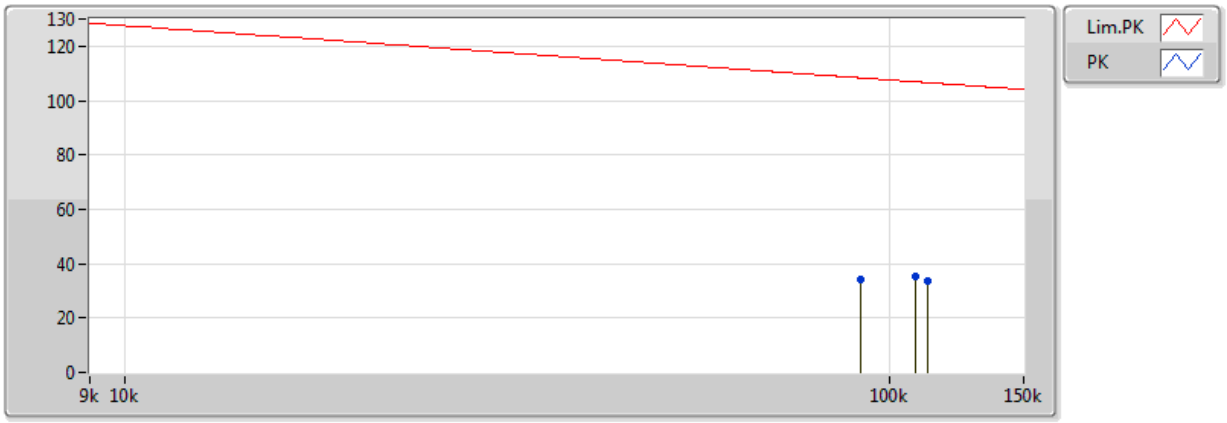
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	91.908k	34.07	108.33	-74.26	21.18	3	H	0	1.00	-
2.4-2.4835GHz	Pass	PK	108.264k	35.39	106.91	-71.52	21.18	3	H	0	1.00	-
2.4-2.4835GHz	Pass	PK	112.494k	33.52	106.57	-73.05	21.17	3	H	0	1.00	-
2.4-2.4835GHz	Pass	PK	508.2k	46.14	73.48	-27.34	20.88	3	H	360	1.00	-
2.4-2.4835GHz	Pass	PK	7.9707M	36.12	69.50	-33.38	21.67	3	H	360	1.00	-
2.4-2.4835GHz	Pass	PK	17.1048M	35.55	69.50	-33.95	22.21	3	H	360	1.00	-
2.4-2.4835GHz	Pass	PK	30M	23.59	40.00	-16.41	-4.25	3	H	0	1.00	-
2.4-2.4835GHz	Pass	PK	90.14M	26.12	43.50	-17.38	-12.53	3	H	0	1.00	-
2.4-2.4835GHz	Pass	PK	266.68M	18.99	46.00	-27.01	-6.62	3	H	0	1.00	-
2.4-2.4835GHz	Pass	PK	592.6M	27.80	46.00	-18.20	-1.16	3	H	0	1.00	-
2.4-2.4835GHz	Pass	PK	740.04M	27.88	46.00	-18.12	0.56	3	H	0	1.00	-
2.4-2.4835GHz	Pass	PK	858.38M	30.98	46.00	-15.02	2.34	3	H	0	1.00	-
2.4-2.4835GHz	Pass	PK	30M	23.65	40.00	-16.35	-4.25	3	V	360	1.00	-
2.4-2.4835GHz	Pass	PK	90.14M	26.51	43.50	-16.99	-12.53	3	V	360	1.00	-
2.4-2.4835GHz	Pass	PK	402.48M	23.35	46.00	-22.65	-3.93	3	V	360	1.00	-
2.4-2.4835GHz	Pass	PK	575.14M	28.03	46.00	-17.97	-1.06	3	V	360	1.00	-
2.4-2.4835GHz	Pass	PK	730.34M	28.04	46.00	-17.96	0.34	3	V	360	1.00	-
2.4-2.4835GHz	Pass	PK	838.98M	31.28	46.00	-14.72	1.94	3	V	360	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-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	91.908k	34.07	108.33	-74.26	21.18	3	H	0	1.00	-
2440MHz	Pass	PK	108.264k	35.39	106.91	-71.52	21.18	3	H	0	1.00	-
2440MHz	Pass	PK	112.494k	33.52	106.57	-73.05	21.17	3	H	0	1.00	-
2440MHz	Pass	PK	508.2k	46.14	73.48	-27.34	20.88	3	H	360	1.00	-
2440MHz	Pass	PK	7.9707M	36.12	69.50	-33.38	21.67	3	H	360	1.00	-
2440MHz	Pass	PK	17.1048M	35.55	69.50	-33.95	22.21	3	H	360	1.00	-
2440MHz	Pass	PK	30M	23.59	40.00	-16.41	-4.25	3	H	0	1.00	-
2440MHz	Pass	PK	90.14M	26.12	43.50	-17.38	-12.53	3	H	0	1.00	-
2440MHz	Pass	PK	266.68M	18.99	46.00	-27.01	-6.62	3	H	0	1.00	-
2440MHz	Pass	PK	592.6M	27.80	46.00	-18.20	-1.16	3	H	0	1.00	-
2440MHz	Pass	PK	740.04M	27.88	46.00	-18.12	0.56	3	H	0	1.00	-
2440MHz	Pass	PK	858.38M	30.98	46.00	-15.02	2.34	3	H	0	1.00	-
2440MHz	Pass	PK	30M	23.65	40.00	-16.35	-4.25	3	V	360	1.00	-
2440MHz	Pass	PK	90.14M	26.51	43.50	-16.99	-12.53	3	V	360	1.00	-
2440MHz	Pass	PK	402.48M	23.35	46.00	-22.65	-3.93	3	V	360	1.00	-
2440MHz	Pass	PK	575.14M	28.03	46.00	-17.97	-1.06	3	V	360	1.00	-
2440MHz	Pass	PK	730.34M	28.04	46.00	-17.96	0.34	3	V	360	1.00	-
2440MHz	Pass	PK	838.98M	31.28	46.00	-14.72	1.94	3	V	360	1.00	-

BT-LE(1Mbps)

2440MHz_DC power Mode

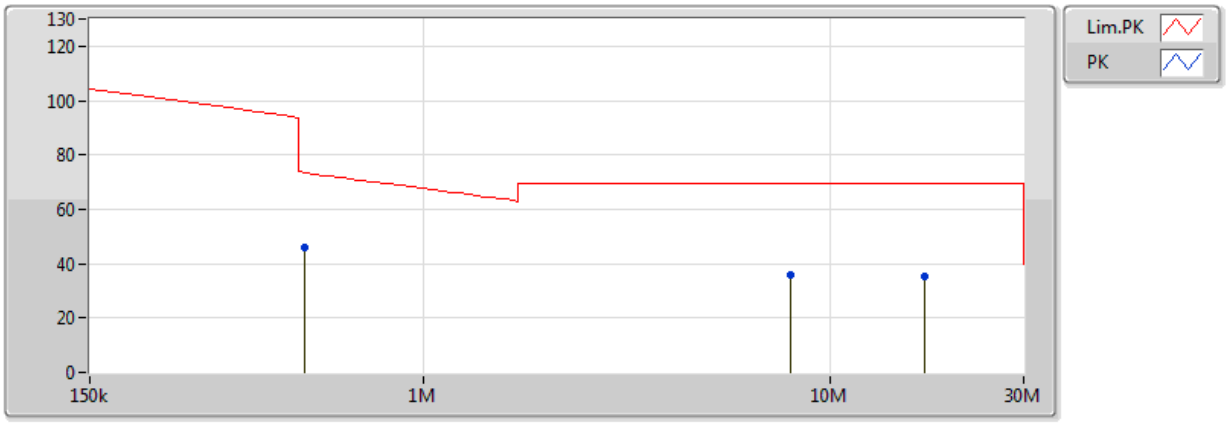


EUT = X

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	108.264k	35.39	106.91	-71.52	21.18	3	H	0	1.00	-
PK	112.494k	33.52	106.57	-73.05	21.17	3	H	0	1.00	-
PK	91.908k	34.07	108.33	-74.26	21.18	3	H	0	1.00	-

BT-LE(1Mbps)

2440MHz_DC power Mode

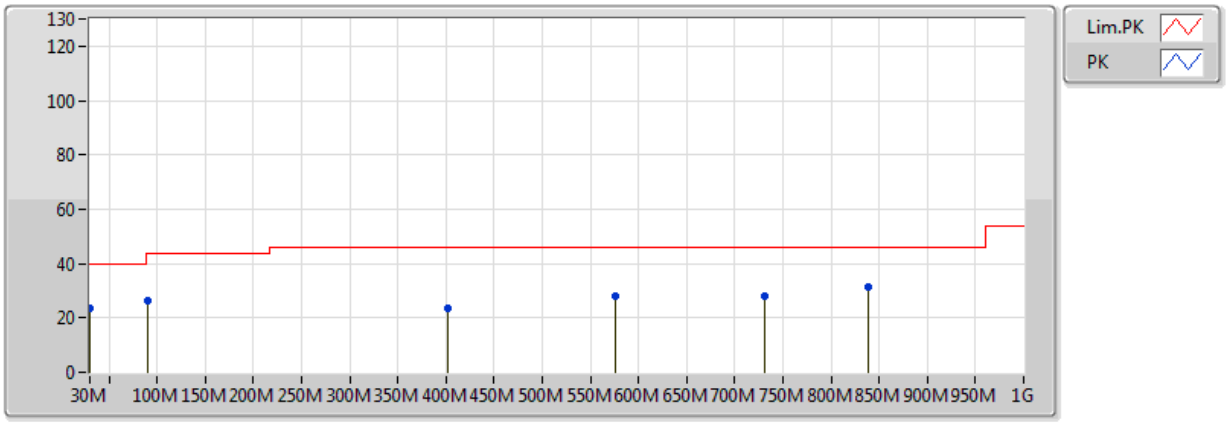


EUT = X

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	508.2k	46.14	73.48	-27.34	20.88	3	H	360	1.00	-
PK	7.9707M	36.12	69.50	-33.38	21.67	3	H	360	1.00	-
PK	17.1048M	35.55	69.50	-33.95	22.21	3	H	360	1.00	-

BT-LE(1Mbps)

2440MHz_DC power Mode

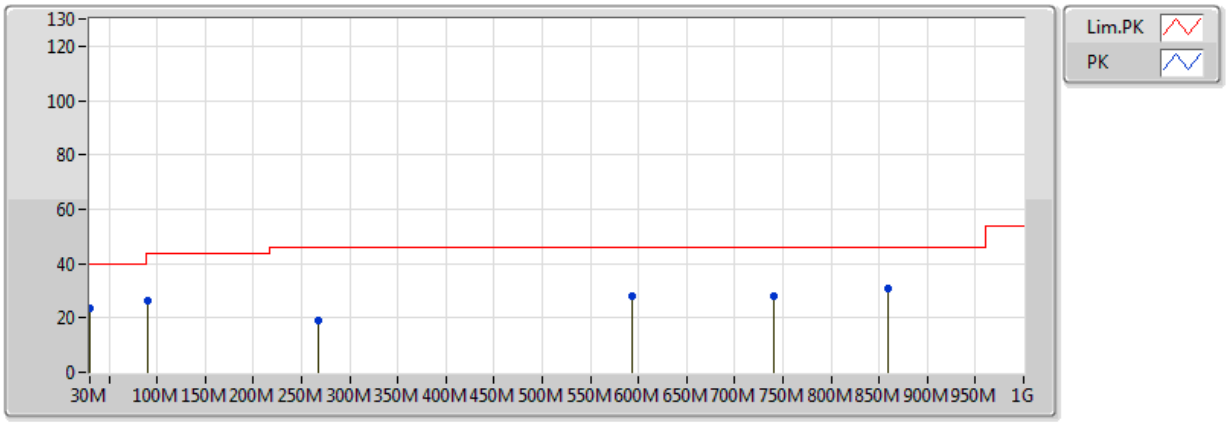


EUT = X

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	30M	23.65	40.00	-16.35	-4.25	3	V	360	1.00	-
PK	90.14M	26.51	43.50	-16.99	-12.53	3	V	360	1.00	-
PK	402.48M	23.35	46.00	-22.65	-3.93	3	V	360	1.00	-
PK	575.14M	28.03	46.00	-17.97	-1.06	3	V	360	1.00	-
PK	730.34M	28.04	46.00	-17.96	0.34	3	V	360	1.00	-
PK	838.98M	31.28	46.00	-14.72	1.94	3	V	360	1.00	-

BT-LE(1Mbps)

2440MHz_DC power Mode



EUT = X

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	30M	23.59	40.00	-16.41	-4.25	3	H	0	1.00	-
PK	90.14M	26.12	43.50	-17.38	-12.53	3	H	0	1.00	-
PK	266.68M	18.99	46.00	-27.01	-6.62	3	H	0	1.00	-
PK	592.6M	27.80	46.00	-18.20	-1.16	3	H	0	1.00	-
PK	740.04M	27.88	46.00	-18.12	0.56	3	H	0	1.00	-
PK	858.38M	30.98	46.00	-15.02	2.34	3	H	0	1.00	-

Summary

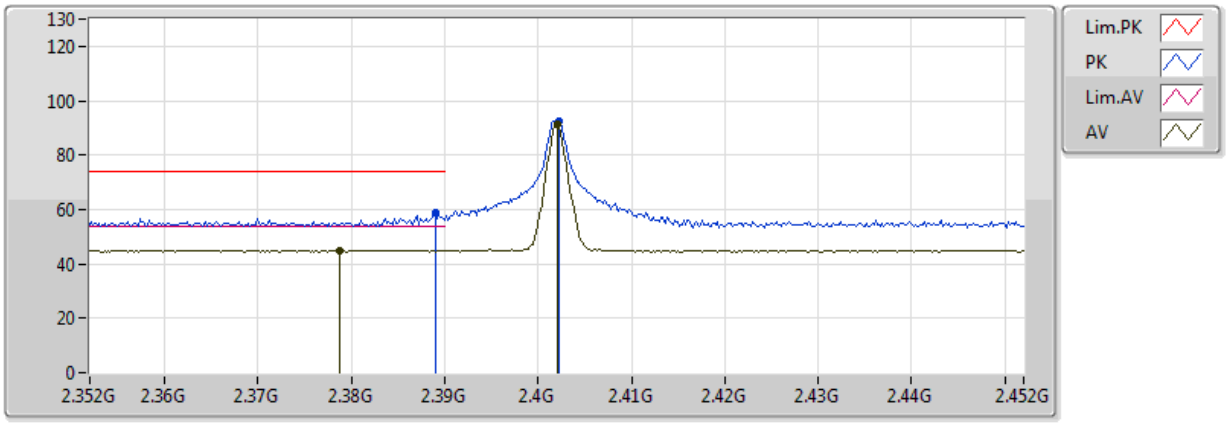
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	2.483502G	67.30	74.00	-6.70	32.54	3	H	9	1.20	-

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-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3794G	45.17	54.00	-8.83	32.19	3	H	358	2.15	-
2402MHz	Pass	AV	2.402G	92.32	Inf	-Inf	32.28	3	H	358	2.15	-
2402MHz	Pass	AV	4.804G	35.17	54.00	-18.83	3.67	3	H	355	2.27	-
2402MHz	Pass	PK	2.3874G	58.57	74.00	-15.43	32.22	3	H	358	2.15	-
2402MHz	Pass	PK	2.4022G	93.65	Inf	-Inf	32.28	3	H	358	2.15	-
2402MHz	Pass	PK	4.804G	47.03	74.00	-26.97	3.67	3	H	355	2.27	-
2402MHz	Pass	AV	2.3788G	45.06	54.00	-8.94	32.19	3	V	276	1.00	-
2402MHz	Pass	AV	2.402G	91.10	Inf	-Inf	32.28	3	V	276	1.00	-
2402MHz	Pass	AV	4.804G	34.68	54.00	-19.32	3.67	3	V	150	1.63	-
2402MHz	Pass	PK	2.389G	58.72	74.00	-15.28	32.23	3	V	276	1.00	-
2402MHz	Pass	PK	2.4022G	92.59	Inf	-Inf	32.28	3	V	276	1.00	-
2402MHz	Pass	PK	4.804G	46.73	74.00	-27.27	3.67	3	V	150	1.63	-
2440MHz	Pass	AV	2.3888G	45.08	54.00	-8.92	32.23	3	H	12	2.39	-
2440MHz	Pass	AV	2.44G	91.28	Inf	-Inf	32.40	3	H	12	2.39	-
2440MHz	Pass	AV	2.4972G	45.25	54.00	-8.75	32.58	3	H	12	2.39	-
2440MHz	Pass	AV	4.88G	33.14	54.00	-20.86	3.88	3	H	264	2.49	-
2440MHz	Pass	PK	2.3404G	56.77	74.00	-17.23	32.04	3	H	12	2.39	-
2440MHz	Pass	PK	2.44G	92.65	Inf	-Inf	32.40	3	H	12	2.39	-
2440MHz	Pass	PK	2.4904G	56.27	74.00	-17.73	32.56	3	H	12	2.39	-
2440MHz	Pass	PK	4.88G	47.09	74.00	-26.91	3.88	3	H	264	2.49	-
2440MHz	Pass	AV	2.366G	45.04	54.00	-8.96	32.14	3	V	307	1.14	-
2440MHz	Pass	AV	2.44G	91.34	Inf	-Inf	32.40	3	V	307	1.14	-
2440MHz	Pass	AV	2.4972G	45.42	54.00	-8.58	32.58	3	V	307	1.14	-
2440MHz	Pass	AV	4.88G	34.42	54.00	-19.58	3.88	3	V	176	1.45	-
2440MHz	Pass	PK	2.3496G	55.97	74.00	-18.03	32.08	3	V	307	1.14	-
2440MHz	Pass	PK	2.4404G	92.74	Inf	-Inf	32.40	3	V	307	1.14	-
2440MHz	Pass	PK	2.494G	56.02	74.00	-17.98	32.57	3	V	307	1.14	-
2440MHz	Pass	PK	4.88G	47.00	74.00	-27.00	3.88	3	V	176	1.45	-
2480MHz	Pass	AV	2.48G	91.78	Inf	-Inf	32.53	3	H	9	1.20	-
2480MHz	Pass	AV	2.483502G	45.78	54.00	-8.22	32.54	3	H	9	1.20	-
2480MHz	Pass	AV	4.96G	32.95	54.00	-21.05	4.14	3	H	333	1.90	-
2480MHz	Pass	PK	2.4802G	93.31	Inf	-Inf	32.53	3	H	9	1.20	-
2480MHz	Pass	PK	2.483502G	67.30	74.00	-6.70	32.54	3	H	9	1.20	-
2480MHz	Pass	PK	4.96G	47.58	74.00	-26.42	4.14	3	H	333	1.90	-
2480MHz	Pass	AV	2.48G	89.64	Inf	-Inf	32.53	3	V	306	1.18	-
2480MHz	Pass	AV	2.483502G	45.68	54.00	-8.32	32.54	3	V	306	1.18	-
2480MHz	Pass	AV	4.96G	32.95	54.00	-21.05	4.14	3	V	273	1.41	-
2480MHz	Pass	PK	2.4802G	91.06	Inf	-Inf	32.53	3	V	306	1.18	-
2480MHz	Pass	PK	2.483502G	65.63	74.00	-8.37	32.54	3	V	306	1.18	-
2480MHz	Pass	PK	4.96G	47.33	74.00	-26.67	4.14	3	V	273	1.41	-

BT-LE(1Mbps)

2402MHz_TX

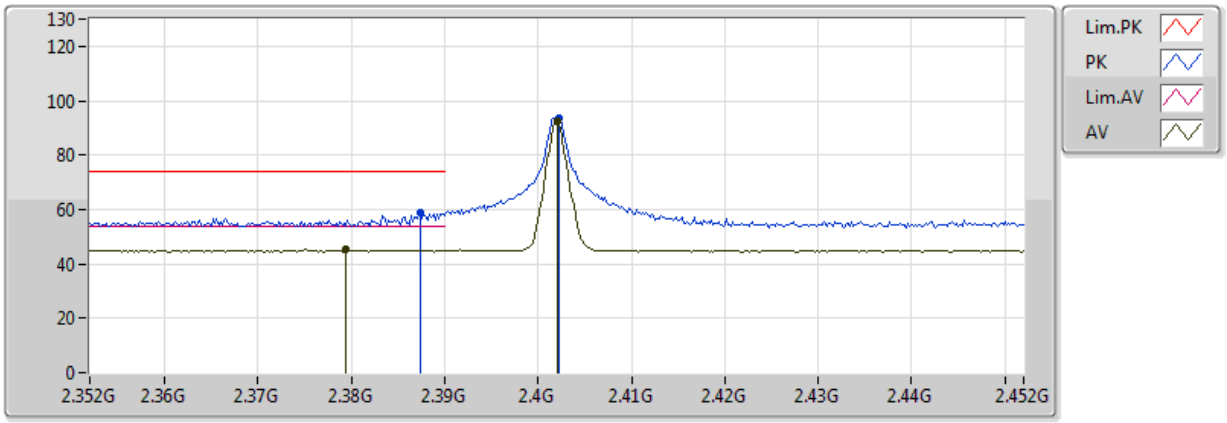


EUT = X

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3788G	45.06	54.00	-8.94	32.19	3	V	276	1.00	-
AV	2.402G	91.10	Inf	-Inf	32.28	3	V	276	1.00	-
PK	2.389G	58.72	74.00	-15.28	32.23	3	V	276	1.00	-
PK	2.4022G	92.59	Inf	-Inf	32.28	3	V	276	1.00	-

BT-LE(1Mbps)

2402MHz_TX

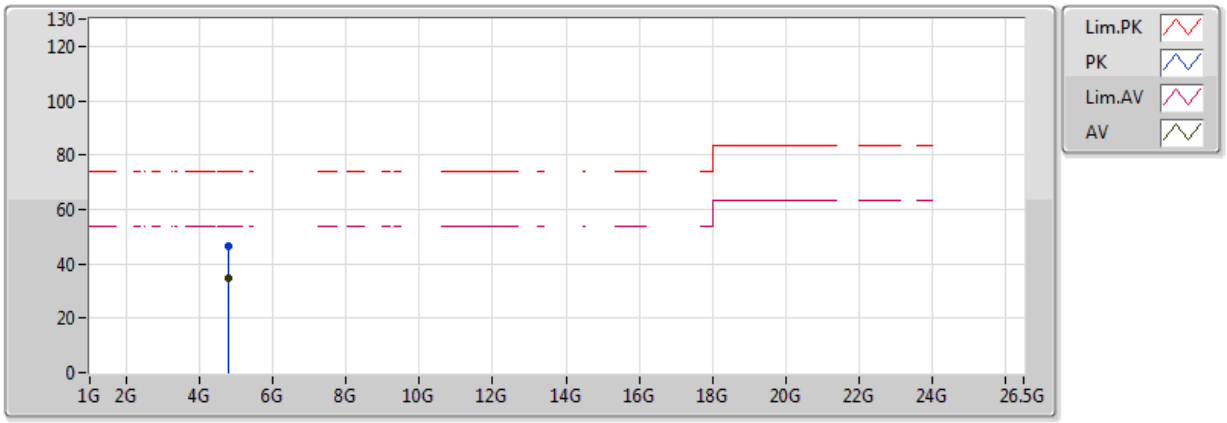


EUT = X

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3794G	45.17	54.00	-8.83	32.19	3	H	358	2.15	-
AV	2.402G	92.32	Inf	-Inf	32.28	3	H	358	2.15	-
PK	2.3874G	58.57	74.00	-15.43	32.22	3	H	358	2.15	-
PK	2.4022G	93.65	Inf	-Inf	32.28	3	H	358	2.15	-

BT-LE(1Mbps)

2402MHz_TX

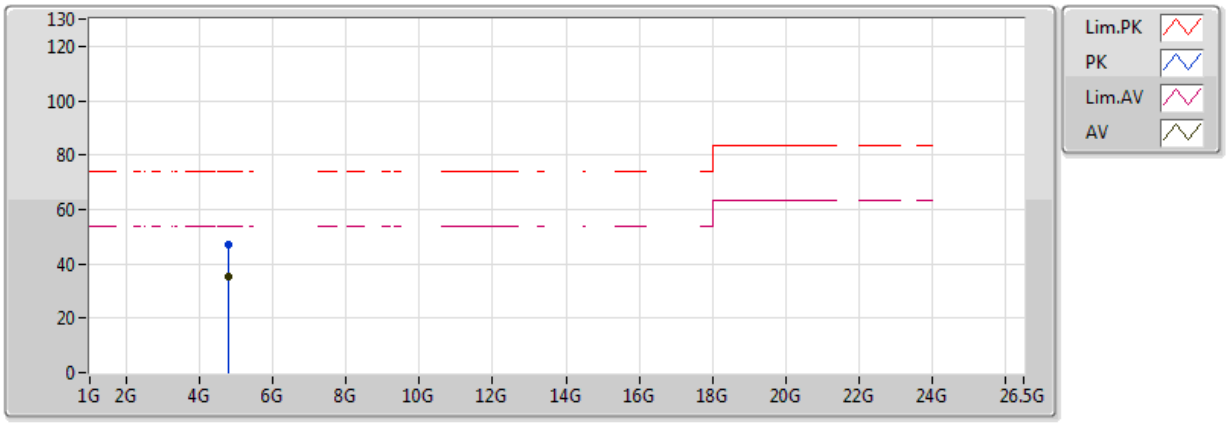


EUT = X

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	34.68	54.00	-19.32	3.67	3	V	150	1.63	-
PK	4.804G	46.73	74.00	-27.27	3.67	3	V	150	1.63	-

BT-LE(1Mbps)

2402MHz_TX

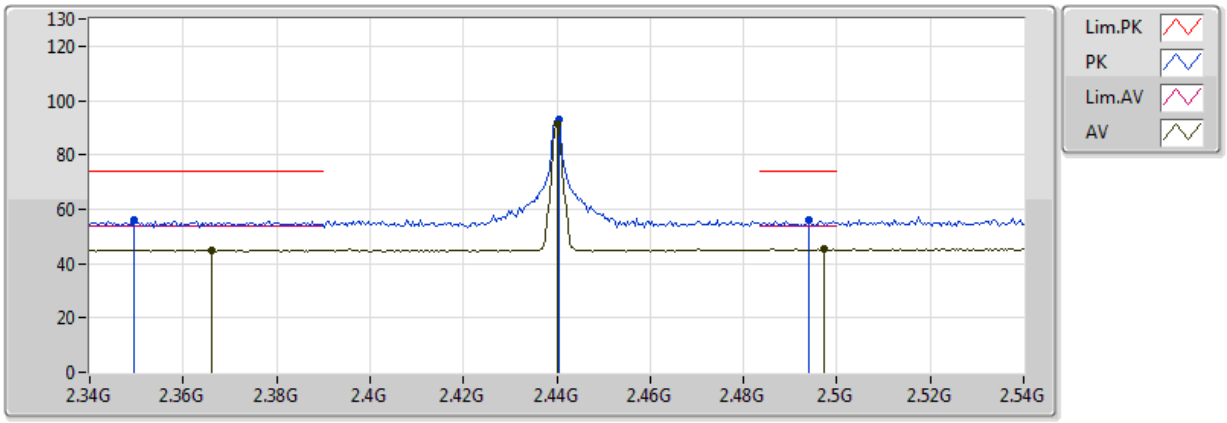


EUT = X

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	35.17	54.00	-18.83	3.67	3	H	355	2.27	-
PK	4.804G	47.03	74.00	-26.97	3.67	3	H	355	2.27	-

BT-LE(1Mbps)

2440MHz_TX

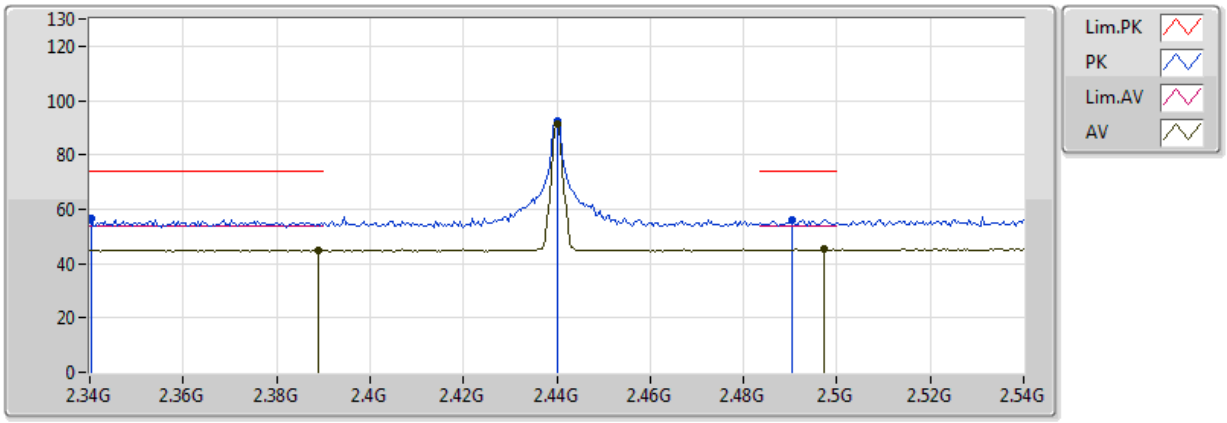


EUT = X

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.366G	45.04	54.00	-8.96	32.14	3	V	307	1.14	-
AV	2.44G	91.34	Inf	-Inf	32.40	3	V	307	1.14	-
AV	2.4972G	45.42	54.00	-8.58	32.58	3	V	307	1.14	-
PK	2.3496G	55.97	74.00	-18.03	32.08	3	V	307	1.14	-
PK	2.4404G	92.74	Inf	-Inf	32.40	3	V	307	1.14	-
PK	2.494G	56.02	74.00	-17.98	32.57	3	V	307	1.14	-

BT-LE(1Mbps)

2440MHz_TX

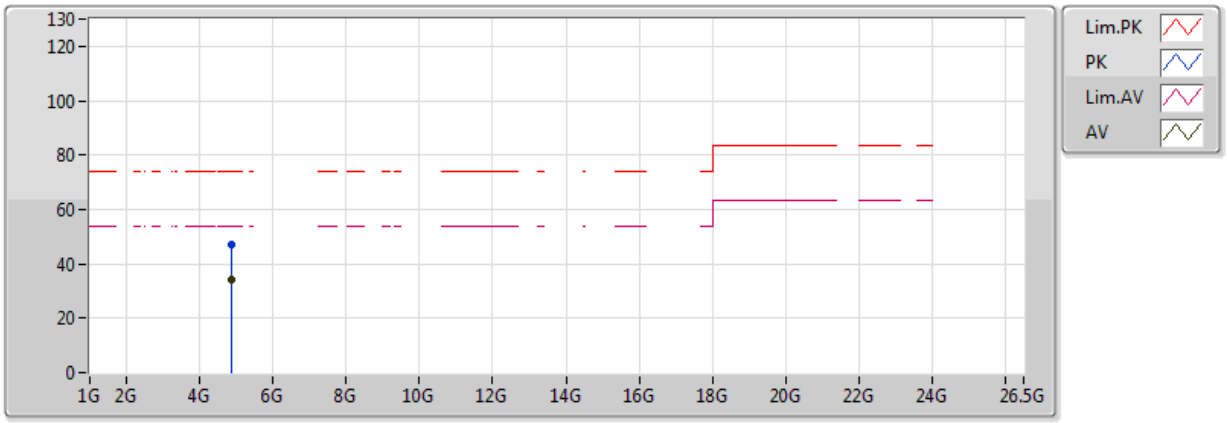


EUT = X

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3888G	45.08	54.00	-8.92	32.23	3	H	12	2.39	-
AV	2.44G	91.28	Inf	-Inf	32.40	3	H	12	2.39	-
AV	2.4972G	45.25	54.00	-8.75	32.58	3	H	12	2.39	-
PK	2.3404G	56.77	74.00	-17.23	32.04	3	H	12	2.39	-
PK	2.44G	92.65	Inf	-Inf	32.40	3	H	12	2.39	-
PK	2.4904G	56.27	74.00	-17.73	32.56	3	H	12	2.39	-

BT-LE(1Mbps)

2440MHz_TX

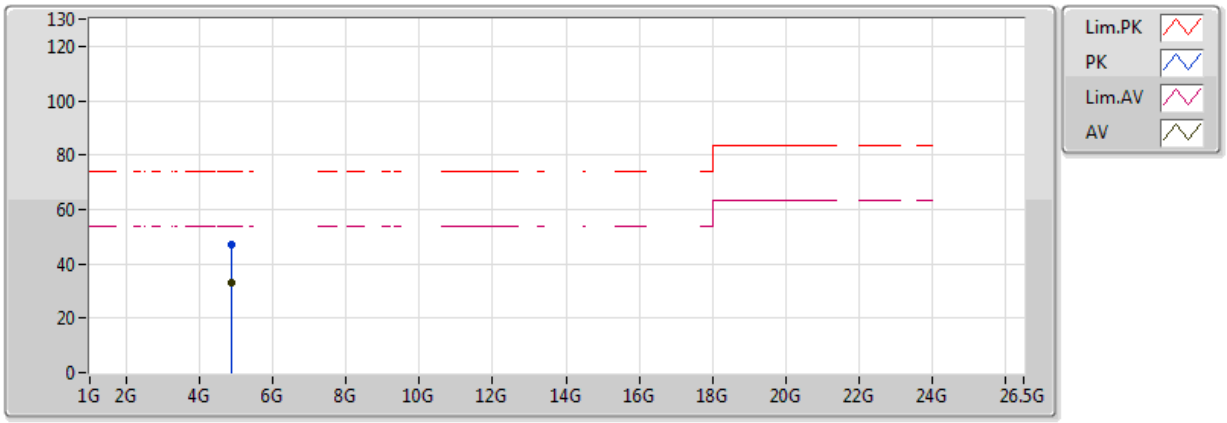


EUT = X

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	34.42	54.00	-19.58	3.88	3	V	176	1.45	-
PK	4.88G	47.00	74.00	-27.00	3.88	3	V	176	1.45	-

BT-LE(1Mbps)

2440MHz_TX

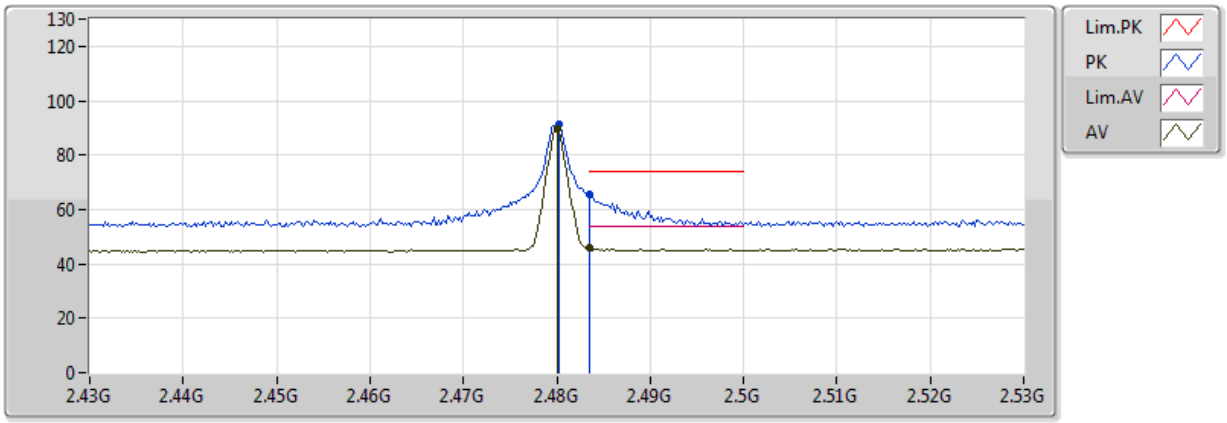


EUT = X

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	33.14	54.00	-20.86	3.88	3	H	264	2.49	-
PK	4.88G	47.09	74.00	-26.91	3.88	3	H	264	2.49	-

BT-LE(1Mbps)

2480MHz_TX

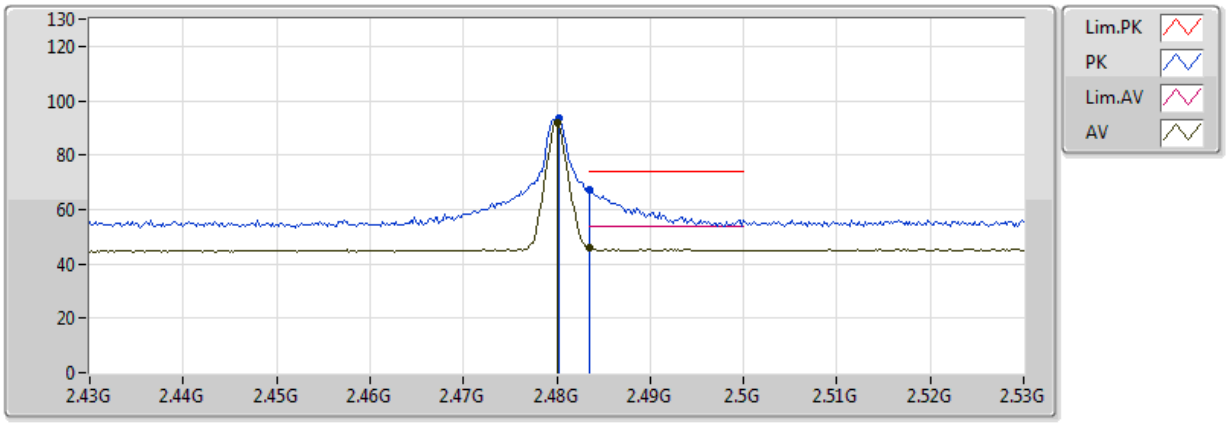


EUT = X

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	89.64	Inf	-Inf	32.53	3	V	306	1.18	-
AV	2.483502G	45.68	54.00	-8.32	32.54	3	V	306	1.18	-
PK	2.4802G	91.06	Inf	-Inf	32.53	3	V	306	1.18	-
PK	2.483502G	65.63	74.00	-8.37	32.54	3	V	306	1.18	-

BT-LE(1Mbps)

2480MHz_TX

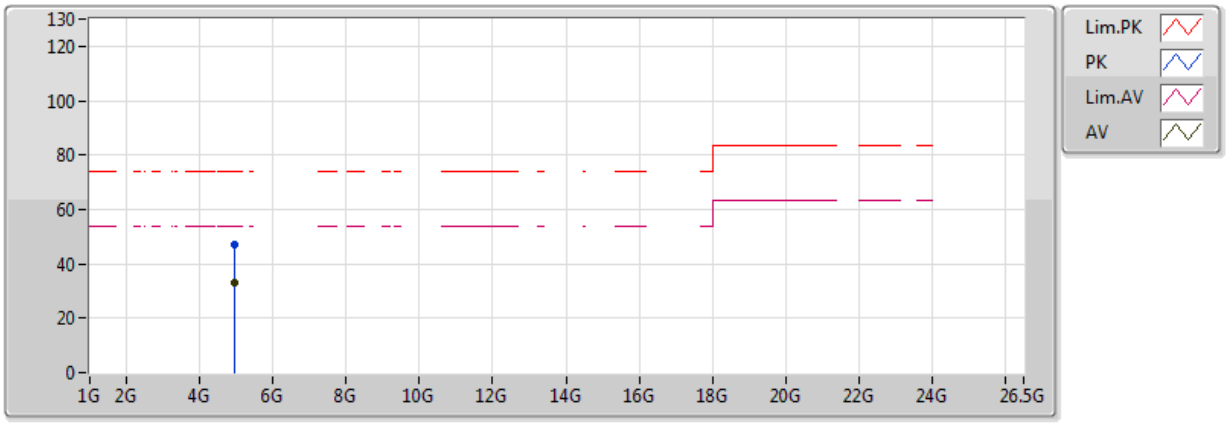


EUT = X

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	91.78	Inf	-Inf	32.53	3	H	9	1.20	-
AV	2.483502G	45.78	54.00	-8.22	32.54	3	H	9	1.20	-
PK	2.4802G	93.31	Inf	-Inf	32.53	3	H	9	1.20	-
PK	2.483502G	67.30	74.00	-6.70	32.54	3	H	9	1.20	-

BT-LE(1Mbps)

2480MHz_TX

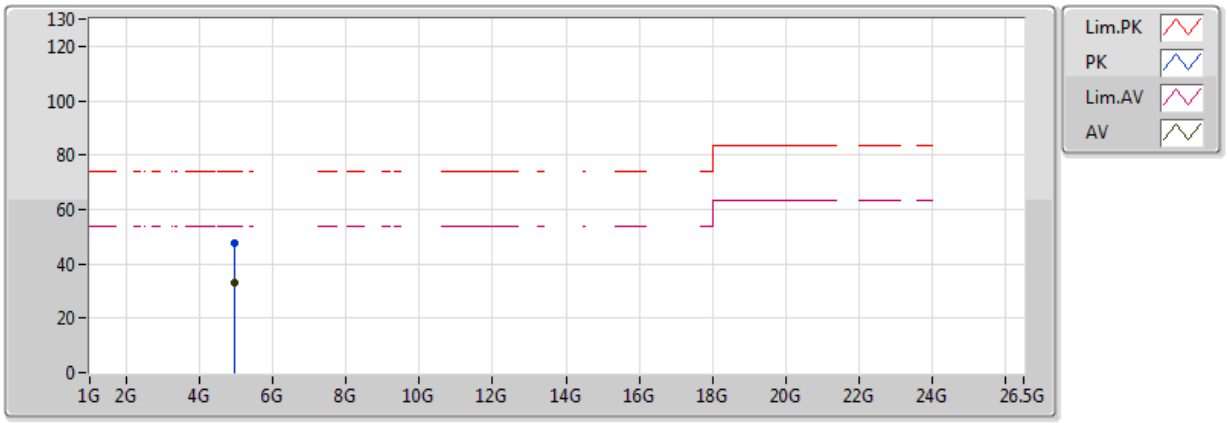


EUT = X

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.96G	32.95	54.00	-21.05	4.14	3	V	273	1.41	-
PK	4.96G	47.33	74.00	-26.67	4.14	3	V	273	1.41	-

BT-LE(1Mbps)

2480MHz_TX



EUT = X

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.96G	32.95	54.00	-21.05	4.14	3	H	333	1.90	-
PK	4.96G	47.58	74.00	-26.42	4.14	3	H	333	1.90	-