

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
Frequency : 2400 MHz – 2483.5 MHz
Function : ☒Point-to-multipoint; ☐Point-to-point
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 INTERNATIONAL INC., the test report shall not be reproduced except in full.

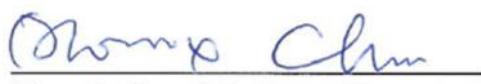

Phoenix Chen / Assistant Manager





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Summary of Test Result

Conformance Test Specifications				
Report Clause	Ref. Std. Clause	Description	Limit	Result
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	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

[illegible]

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
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX

Note:

- ♦ Bluetooth LE uses a GFSK (1Mbps) modulation for DSSS.
- ♦ 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	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)
<input type="checkbox"/>	Combined Equipment - Brand Name / Model No.: ...
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)
<input type="checkbox"/>	Host System - Brand Name / Model No.: ...
<input type="checkbox"/>	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	391.25u	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			
<input checked="" type="checkbox"/>	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.			
<input type="checkbox"/>	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

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

2.2 Test Channel Mode




Test Software	Win8DUTApp.exe
---------------	----------------

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	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	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	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 G for Radiated Emission Co-location.	

2.4 Accessories

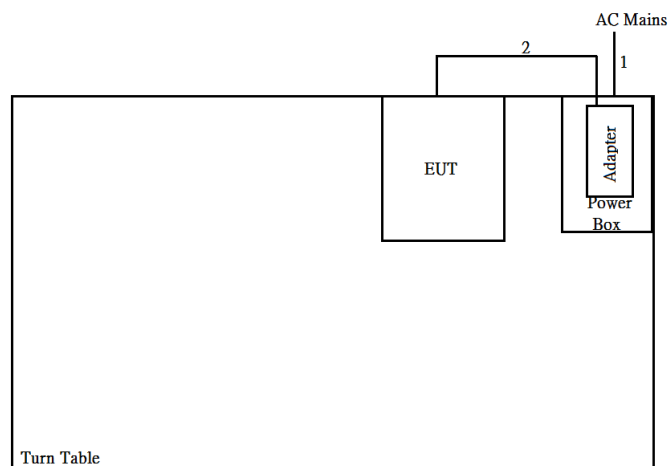
Accessories				
AC Adapter	Brand Name	AOEM	Model Name	ADS0248T-W050300
	Power Rating	I/P: 100- 240 V~50-60Hz 0.6 A, O/P: 5 V === 3.0 A		
	Power Cord	1.19 meter, non-shielded cable, w/o ferrite core		
USB Cable	Brand Name	-	Model Name	-
	Signal Line	0.06 meter, non-shielded cable		
Rechargeable Li-ion 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

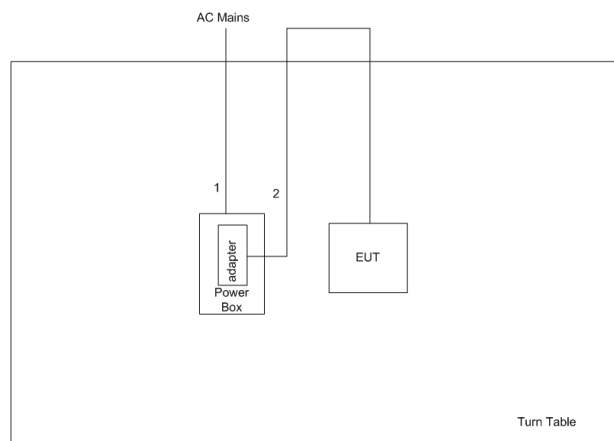
2.6 Test Setup Diagram

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.

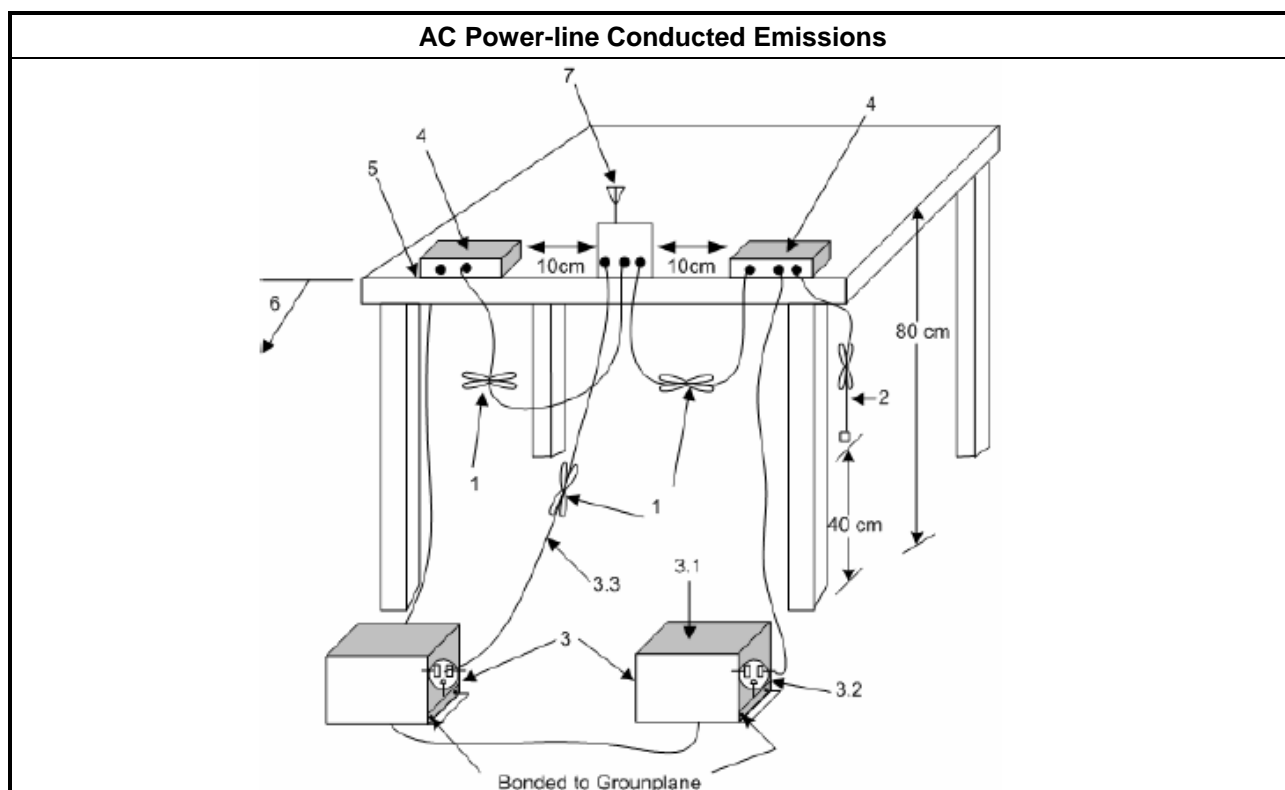
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

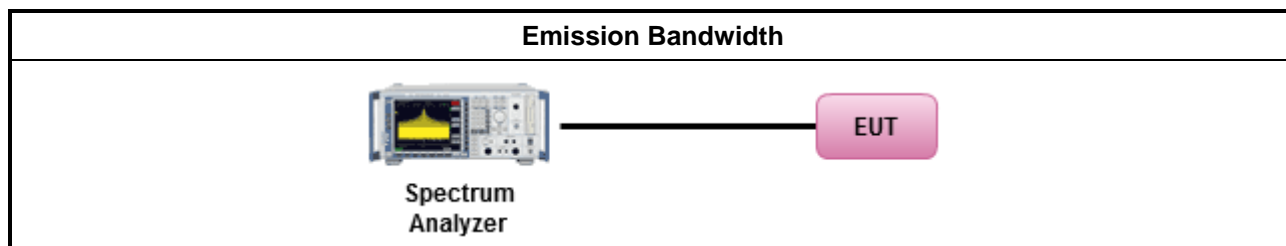
3.2.2 Measuring Instruments

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:
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	<ul style="list-style-type: none"> If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W) 	
	<ul style="list-style-type: none"> Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm 	
	<ul style="list-style-type: none"> Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm 	
	<ul style="list-style-type: none"> 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:		
	<ul style="list-style-type: none"> 2400-2483.5 MHz Band 	
	<ul style="list-style-type: none"> Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W) 	
	<ul style="list-style-type: none"> Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm 	
	<ul style="list-style-type: none"> Smart antenna system (SAS) 	
	-	Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ 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.		

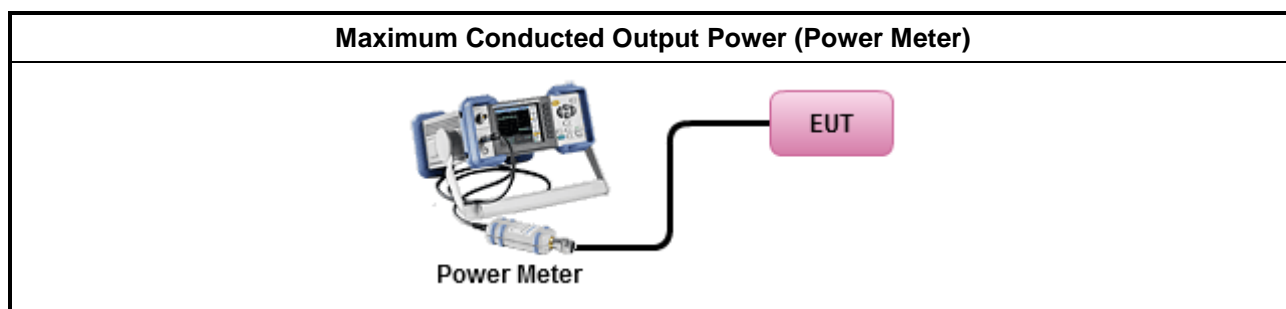
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> Maximum Peak Conducted Output Power 	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)
<ul style="list-style-type: none"> Maximum Average Conducted Output Power 	
Duty cycle ≥ 98%	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
Duty cycle < 98%	
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (using an RF average power meter).
<ul style="list-style-type: none"> For conducted measurement. 	
<ul style="list-style-type: none"> 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. 	
<ul style="list-style-type: none"> If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ 	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

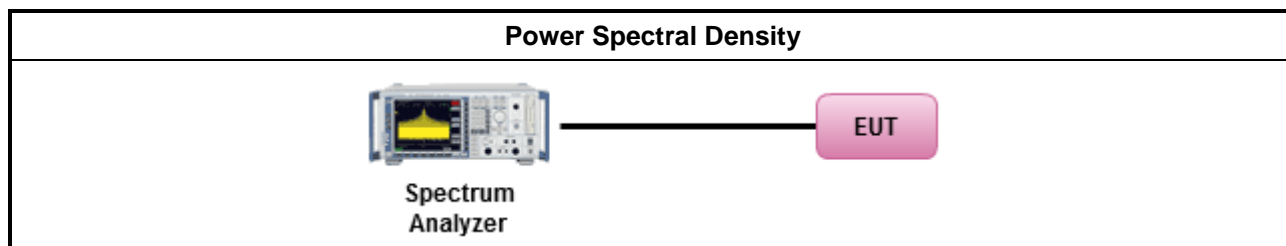
3.4.2 Measuring Instruments

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).
<input checked="" type="checkbox"/>	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



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

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
<p>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.</p> <p>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.</p>	

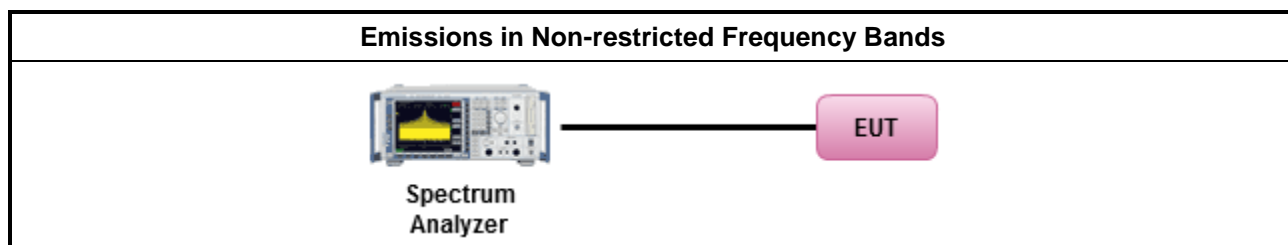
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as KDB 558074, clause 11 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

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 below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

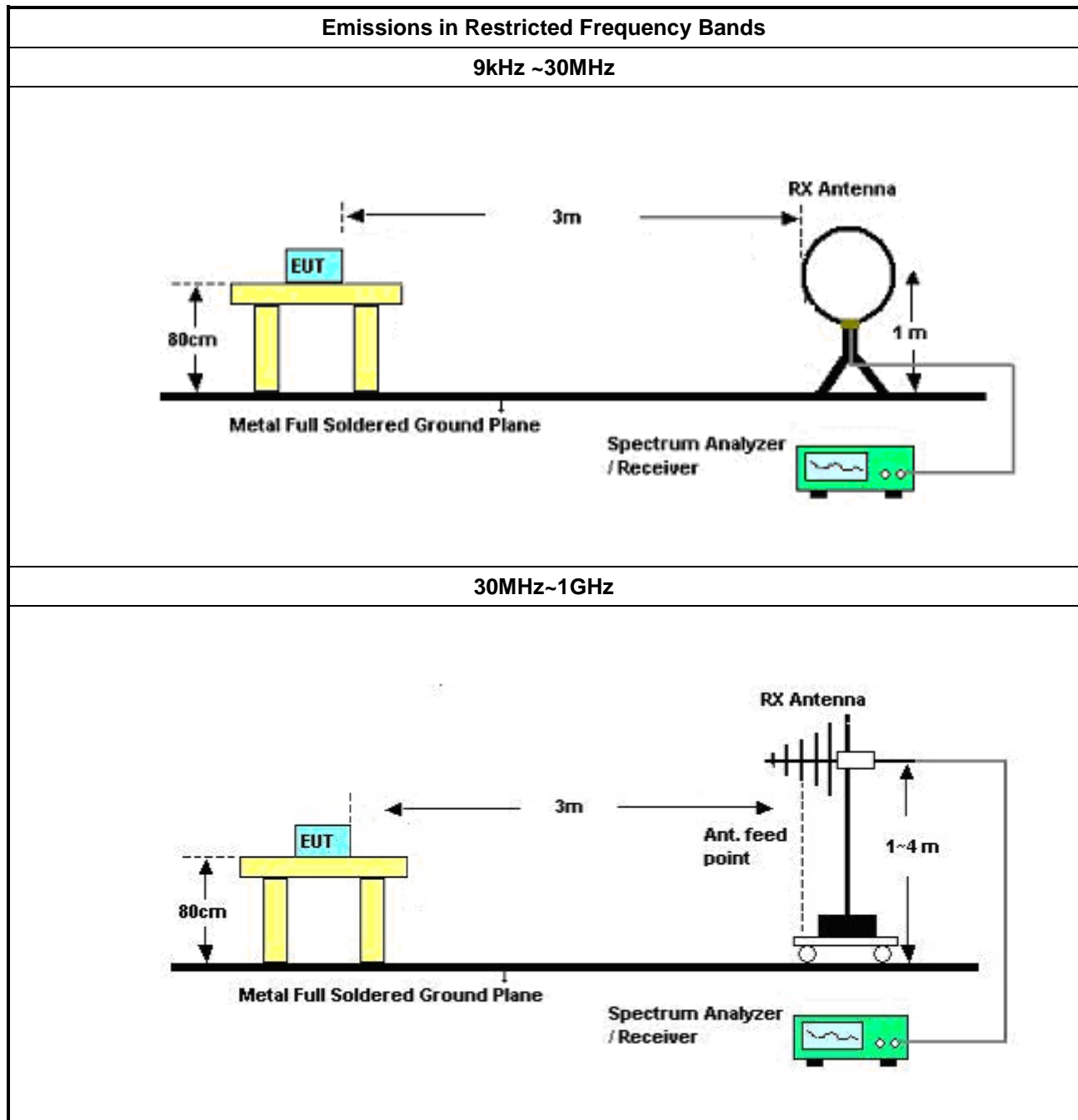
3.6.2 Measuring Instruments

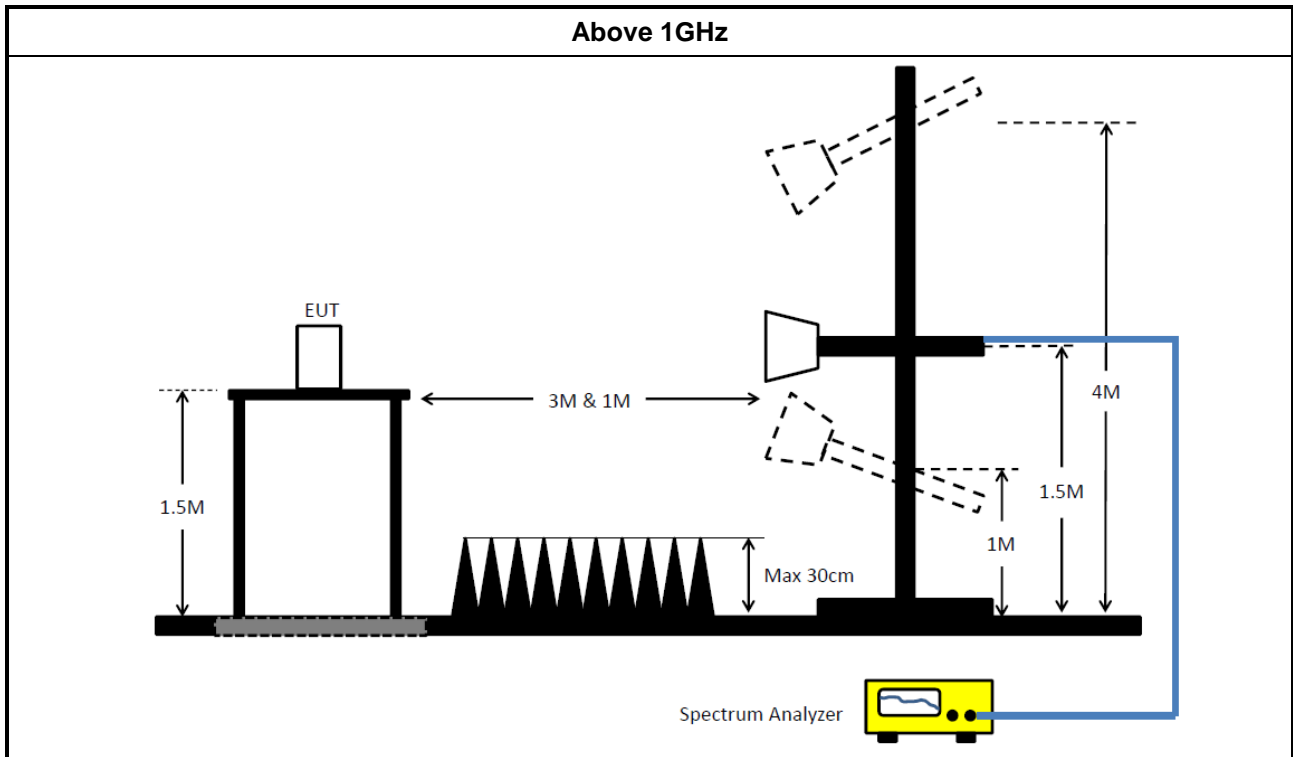
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. 	
<ul style="list-style-type: none"> 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. 	
<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 12 for unwanted emissions into restricted bands.
	<input checked="" type="checkbox"/> Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW $\geq 1/T$.
	<input checked="" type="checkbox"/> Refer as KDB 558074, clause 12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> 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.
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> 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).
<ul style="list-style-type: none"> For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2. 	
	<ul style="list-style-type: none"> 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
	<ul style="list-style-type: none"> 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





3.6.5 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

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

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

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

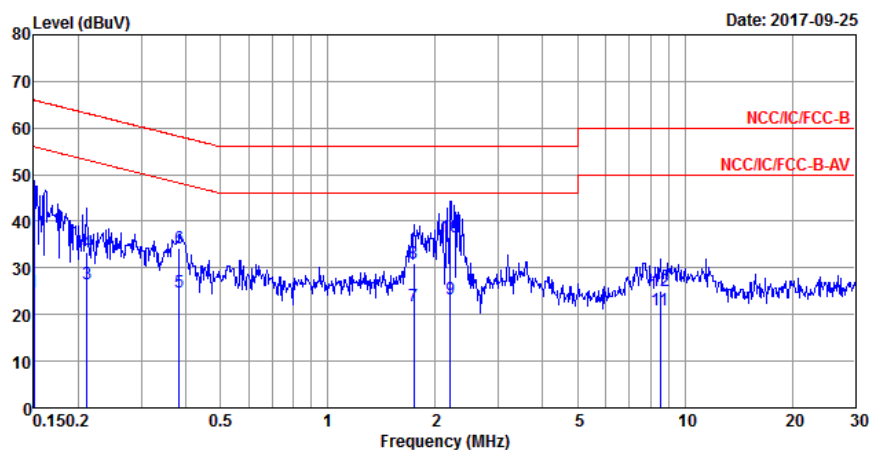
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	21/Oct/2016	20/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 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	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Adapter mode		

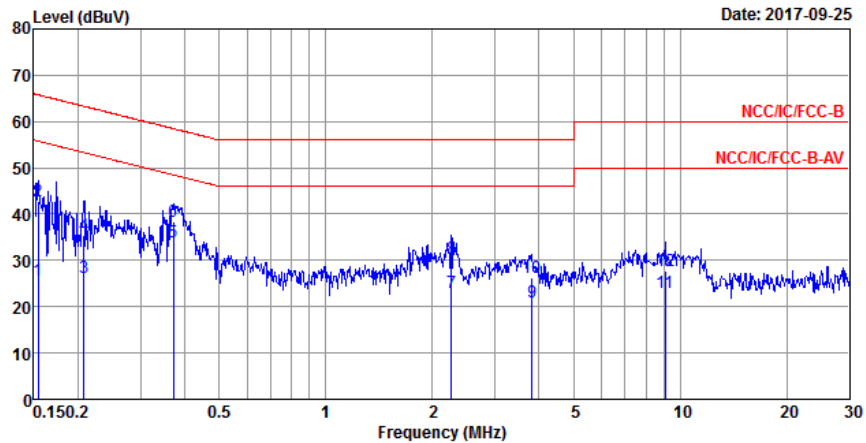


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.15000	24.83	-31.17	56.00	15.01	9.60	0.22	Average
2	0.15000	43.01	-22.99	66.00	33.19	9.60	0.22	QP
3	0.21167	26.62	-26.52	53.14	16.67	9.67	0.28	Average
4	0.21167	33.37	-29.77	63.14	23.42	9.67	0.28	QP
5	0.38315	24.93	-23.28	48.21	15.19	9.63	0.11	Average
6	0.38315	34.31	-23.90	58.21	24.57	9.63	0.11	QP
7	1.74369	21.86	-24.14	46.00	11.96	9.64	0.26	Average
8	1.74369	31.02	-24.98	56.00	21.12	9.64	0.26	QP
9	2.20147	23.23	-22.77	46.00	13.30	9.66	0.27	Average
10 MAX	2.20147	36.63	-19.37	56.00	26.70	9.66	0.27	QP
11	8.54628	20.95	-29.05	50.00	11.04	9.73	0.18	Average
12	8.54628	25.15	-34.85	60.00	15.24	9.73	0.18	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	0.15403	25.82	-29.96	55.78	15.94	9.66	0.22	Average
2	0.15403	42.75	-23.03	65.78	32.87	9.66	0.22	QP
3	0.20723	26.25	-27.07	53.32	16.31	9.65	0.29	Average
4	0.20723	35.48	-27.84	63.32	25.54	9.65	0.29	QP
5 MAX	0.37117	33.83	-14.64	48.47	24.03	9.68	0.12	Average
6	0.37117	38.42	-20.05	58.47	28.62	9.68	0.12	QP
7	2.26057	23.15	-22.85	46.00	13.09	9.79	0.27	Average
8	2.26057	30.49	-25.51	56.00	20.43	9.79	0.27	QP
9	3.81962	20.96	-25.04	46.00	11.08	9.77	0.11	Average
10	3.81962	26.24	-29.76	56.00	16.36	9.77	0.11	QP
11	9.05917	22.92	-27.08	50.00	12.99	9.74	0.19	Average
12	9.05917	27.69	-32.31	60.00	17.76	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)
BT-LE(1Mbps)	-	-	-	-	-
2.4-2.4835GHz	711.25k	1.056M	1M06F1D	702.5k	1.053M

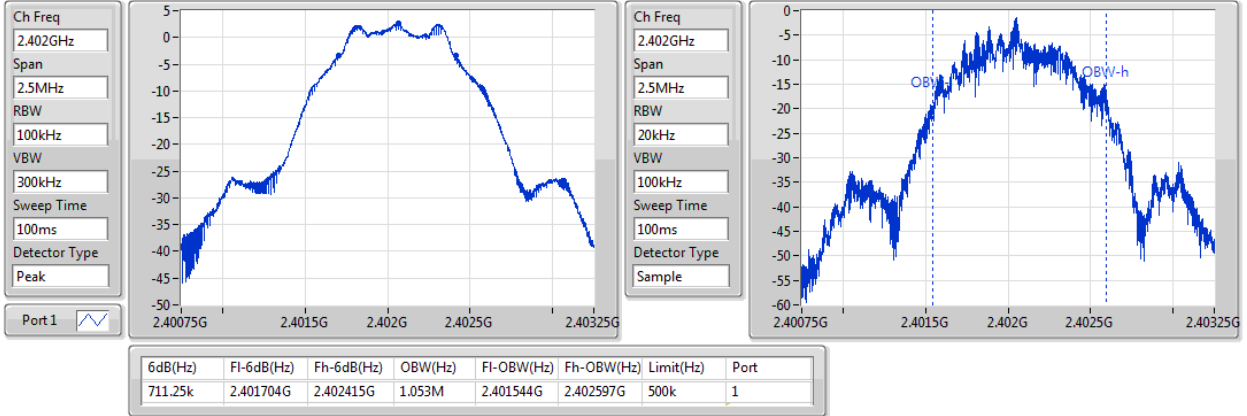
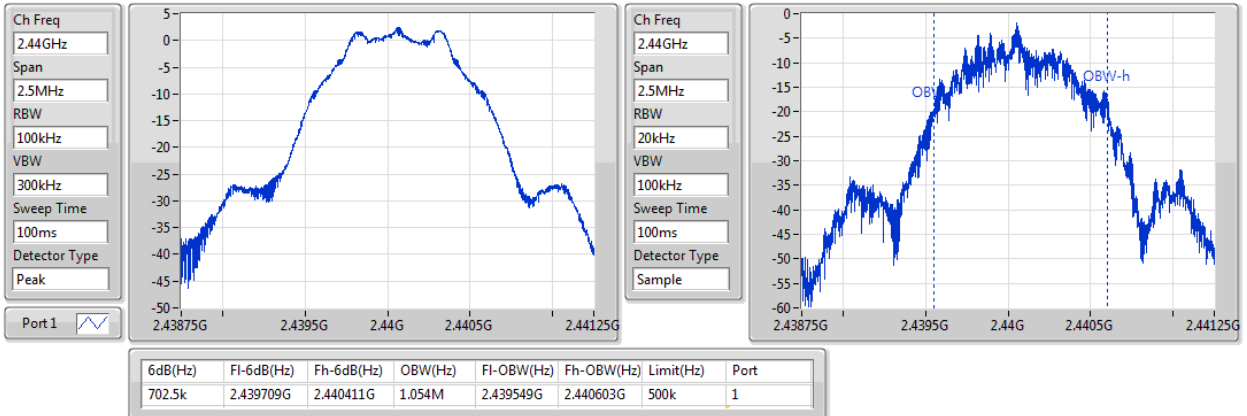
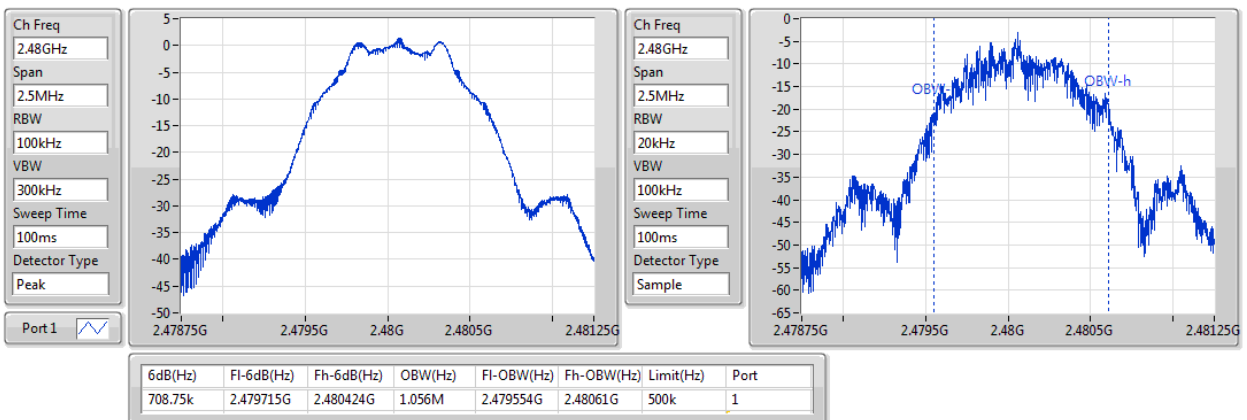
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

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	711.25k	1.053M
2440MHz	Pass	500k	702.5k	1.054M
2480MHz	Pass	500k	708.75k	1.056M

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

BT-LE(1Mbps)
EBW
2402MHz

BT-LE(1Mbps)
EBW
2440MHz

BT-LE(1Mbps)
EBW
2480MHz


Summary

Mode	Power	Power
	(dBm)	(W)
BT-LE(1Mbps)	-	-
2.4-2.4835GHz	1.75	0.00150

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	0.60	1.75	30.00
2440MHz	Pass	0.60	1.20	30.00
2480MHz	Pass	0.60	0.03	30.00

Summary

Mode	PD (dBm/RBW)
BT-LE(1Mbps)	-
2.4-2.4835GHz	-11.70

RBW=3kHz.

Result

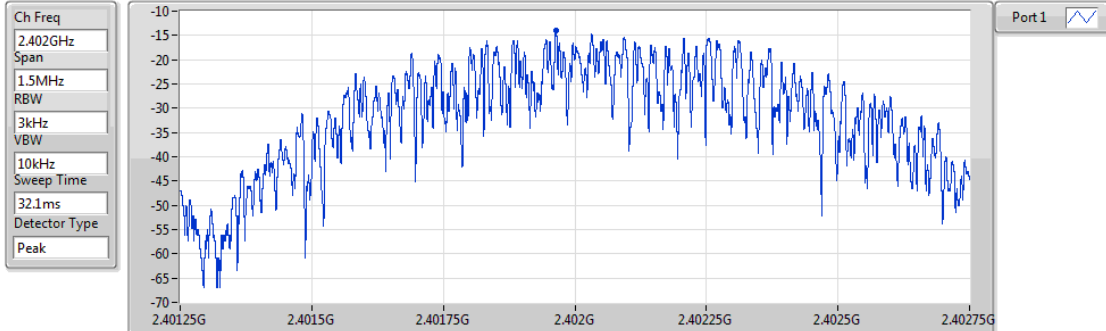
Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	0.60	-14.06	8.00
2440MHz	Pass	0.60	-11.70	8.00
2480MHz	Pass	0.60	-13.31	8.00

RBW=3kHz.

BT-LE(1Mbps)

PSD

2402MHz

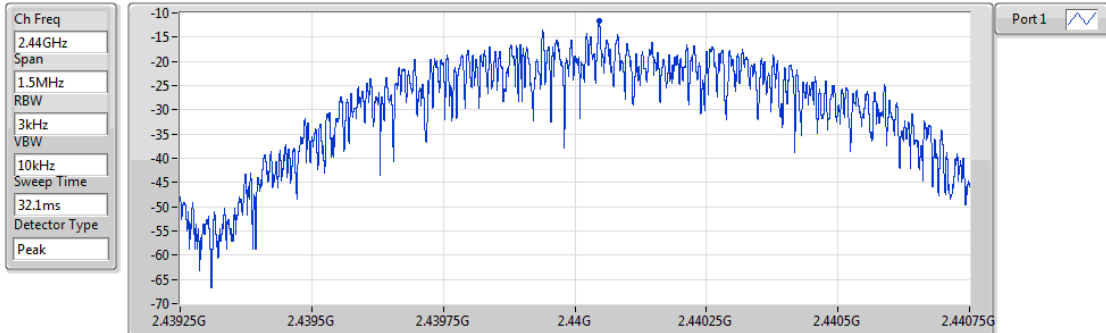


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.06	-14.06	-14.06

BT-LE(1Mbps)

PSD

2440MHz

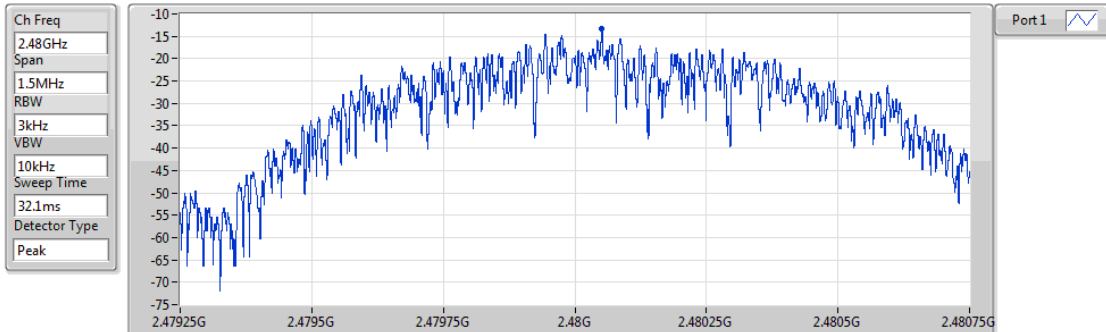


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.70	-11.70	-11.70

BT-LE(1Mbps)

PSD

2480MHz



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.31	-13.31	-13.31

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	2.402004G	2.67	-27.33	225.36M	-55.66	2.39934G	-56.01	2.485228G	-56.41	6.062491G	-50.60	1

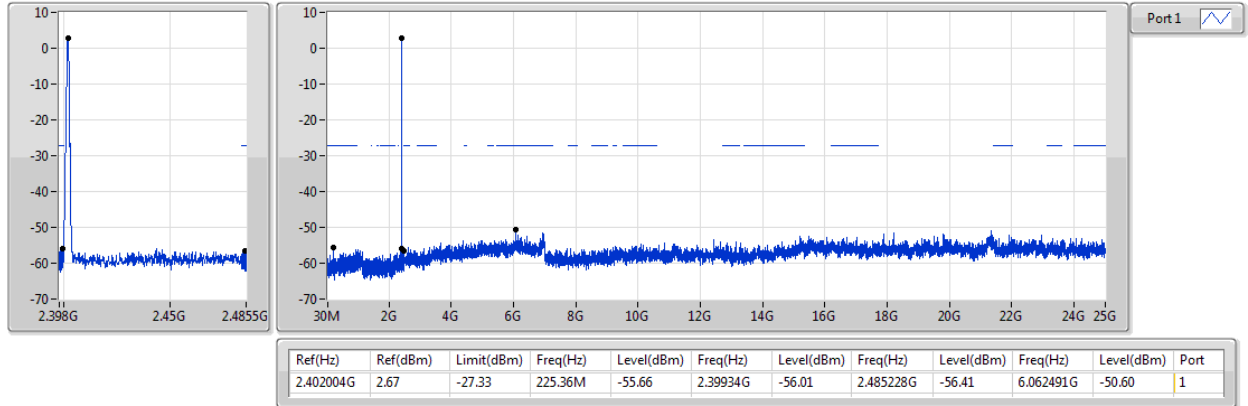
Result

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	2.402004G	2.67	-27.33	225.36M	-55.66	2.39934G	-56.01	2.485228G	-56.41	6.062491G	-50.60	1
2440MHz	Pass	2.402004G	2.67	-27.33	661.072M	-56.17	2.39888G	-56.98	2.483944G	-56.34	6.357994G	-52.35	1
2480MHz	Pass	2.402004G	2.67	-27.33	839.856M	-56.45	2.39928G	-56.25	2.483908G	-55.49	5.285741G	-52.14	1

BT-LE(1Mbps)

CSE NdB

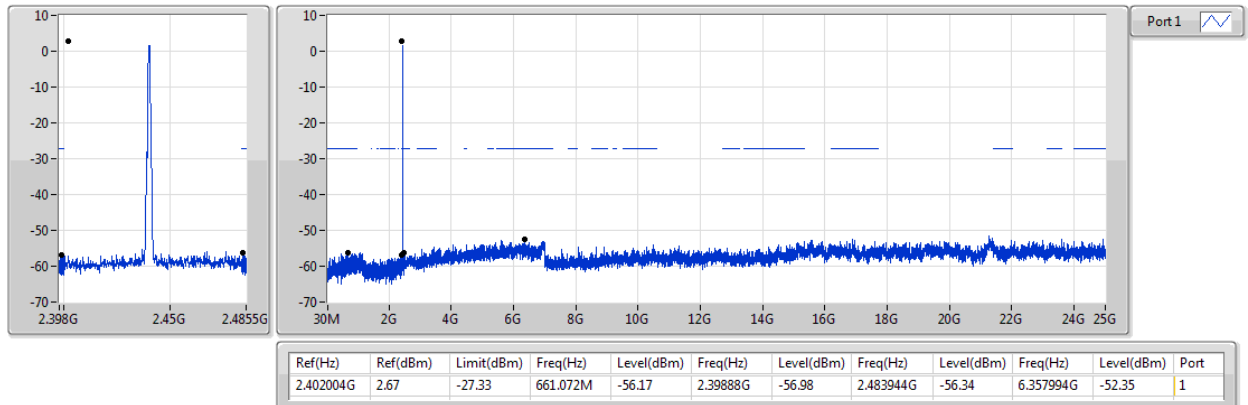
2402MHz



BT-LE(1Mbps)

CSE NdB

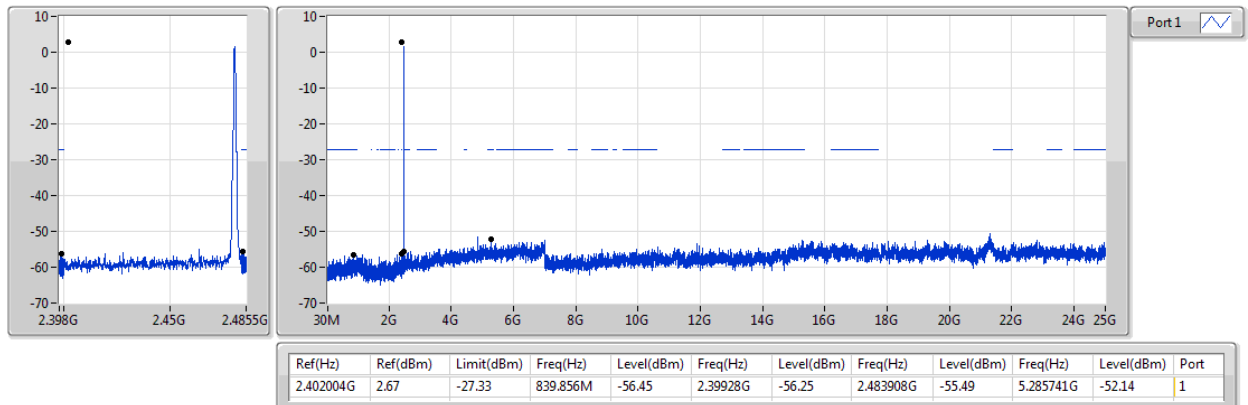
2440MHz



BT-LE(1Mbps)

CSE NdB

2480MHz



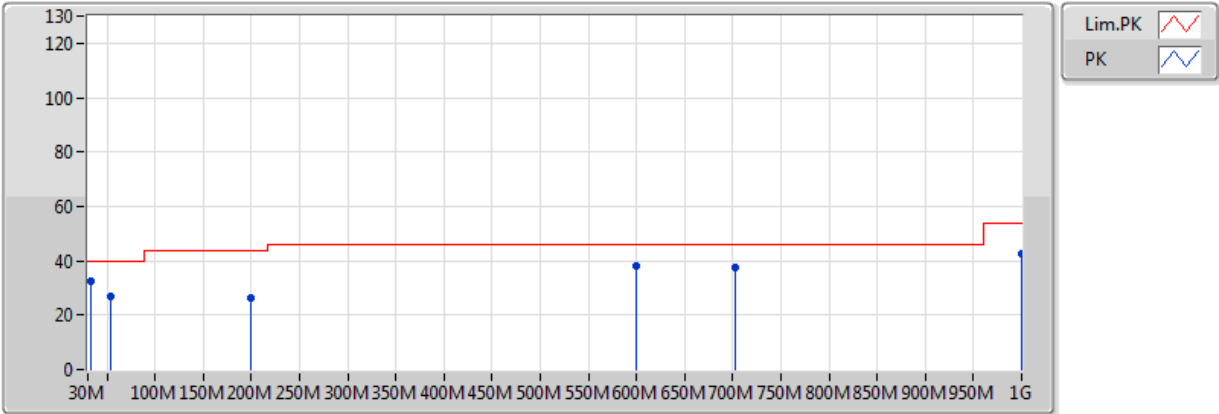
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	800.18M	40.87	46.00	-5.13	1.12	3	Horizontal	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-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	33.88M	31.60	40.00	-8.40	-6.70	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	33.88M	31.60	40.00	-8.40	-6.70	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	128.94M	24.92	43.50	-18.58	-9.02	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	128.94M	24.92	43.50	-18.58	-9.02	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	266.68M	27.85	46.00	-18.15	-6.79	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	266.68M	27.85	46.00	-18.15	-6.79	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	600.36M	37.02	46.00	-8.98	-1.23	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	600.36M	37.02	46.00	-8.98	-1.23	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	703.18M	36.88	46.00	-9.12	-0.28	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	703.18M	36.88	46.00	-9.12	-0.28	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	800.18M	40.87	46.00	-5.13	1.12	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	800.18M	40.87	46.00	-5.13	1.12	3	Horizontal	0	1.00	-
2440MHz	Pass	PK	33.88M	32.69	40.00	-7.31	-6.70	3	Vertical	360	1.00	-
2440MHz	Pass	PK	53.28M	27.11	40.00	-12.89	-13.97	3	Vertical	360	1.00	-
2440MHz	Pass	PK	198.78M	26.43	43.50	-17.07	-10.88	3	Vertical	360	1.00	-
2440MHz	Pass	PK	600.36M	37.85	46.00	-8.15	-1.23	3	Vertical	360	1.00	-
2440MHz	Pass	PK	703.18M	37.68	46.00	-8.32	-0.28	3	Vertical	360	1.00	-
2440MHz	Pass	PK	999.999M	42.82	54.00	-11.18	3.80	3	Vertical	360	1.00	-

BT-LE(1Mbps) 2440MHz_Adapter

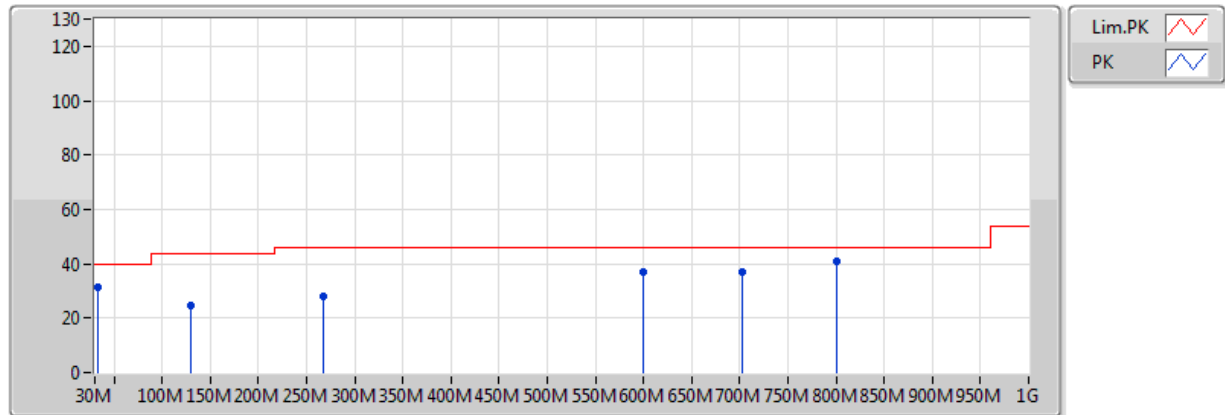


EUT = Z axis

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	32.69	40.00	-7.31	-6.70	3	Vertical	360	1.00	-	39.39	20.36	0.74	27.80
PK	53.28M	27.11	40.00	-12.89	-13.97	3	Vertical	360	1.00	-	41.08	12.58	1.03	27.57
PK	198.78M	26.43	43.50	-17.07	-10.88	3	Vertical	360	1.00	-	37.31	14.36	2.20	27.44
PK	600.36M	37.85	46.00	-8.15	-1.23	3	Vertical	360	1.00	-	39.08	23.67	3.66	28.56
PK	703.18M	37.68	46.00	-8.32	-0.28	3	Vertical	360	1.00	-	37.96	23.99	4.10	28.37
PK	999.999M	42.82	54.00	-11.18	3.80	3	Vertical	360	1.00	-	39.02	26.05	4.99	27.24

BT-LE(1Mbps)

2440MHz_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	31.60	40.00	-8.40	-6.70	3	Horizontal	0	1.00	-	38.30	20.36	0.74	27.80
PK	128.94M	24.92	43.50	-18.58	-9.02	3	Horizontal	0	1.00	-	33.94	16.99	1.70	27.70
PK	266.68M	27.85	46.00	-18.15	-6.79	3	Horizontal	0	1.00	-	34.64	18.18	2.31	27.28
PK	600.36M	37.02	46.00	-8.98	-1.23	3	Horizontal	0	1.00	-	38.25	23.67	3.66	28.56
PK	703.18M	36.88	46.00	-9.12	-0.28	3	Horizontal	0	1.00	-	37.16	23.99	4.10	28.37
PK	800.18M	40.87	46.00	-5.13	1.12	3	Horizontal	0	1.00	-	39.75	24.82	4.37	28.07

Summary

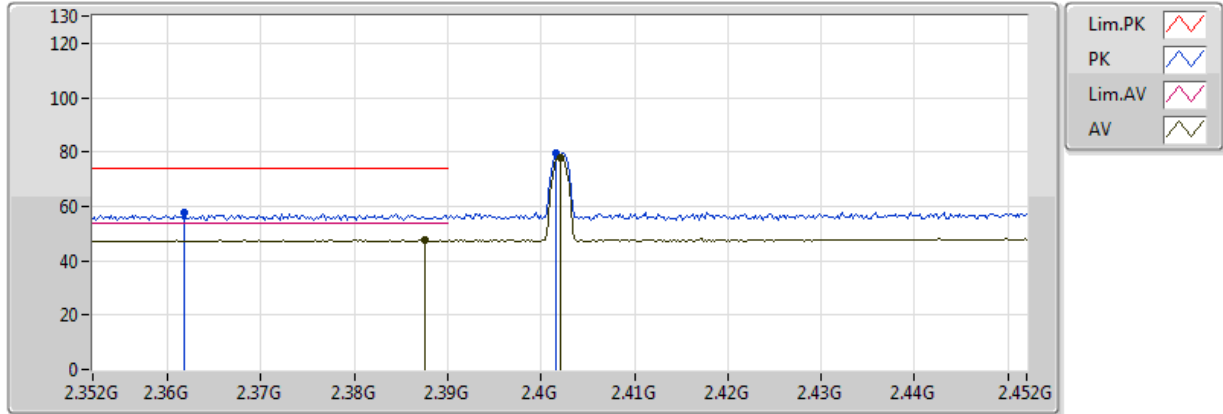
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.4968G	48.50	54.00	-5.50	31.58	3	Vertical	120	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.38G	47.60	54.00	-6.40	31.13	3	Horizontal	23	3.69	-
2402MHz	Pass	AV	2.402G	78.18	Inf	-Inf	31.22	3	Horizontal	23	3.69	-
2402MHz	Pass	PK	2.3546G	57.63	74.00	-16.37	31.03	3	Horizontal	23	3.69	-
2402MHz	Pass	PK	2.4018G	80.04	Inf	-Inf	31.22	3	Horizontal	23	3.69	-
2402MHz	Pass	AV	2.3876G	47.74	54.00	-6.26	31.16	3	Vertical	294	3.62	-
2402MHz	Pass	AV	2.402G	77.82	Inf	-Inf	31.22	3	Vertical	294	3.62	-
2402MHz	Pass	PK	2.3618G	57.77	74.00	-16.23	31.06	3	Vertical	294	3.62	-
2402MHz	Pass	PK	2.4016G	79.84	Inf	-Inf	31.22	3	Vertical	294	3.62	-
2402MHz	Pass	AV	4.804G	33.35	54.00	-20.65	2.46	3	Horizontal	0	1.50	-
2402MHz	Pass	PK	4.804G	44.54	74.00	-29.46	2.46	3	Horizontal	0	1.50	-
2402MHz	Pass	AV	4.804G	33.27	54.00	-20.73	2.46	3	Vertical	360	1.50	-
2402MHz	Pass	PK	4.804G	44.36	74.00	-29.64	2.46	3	Vertical	360	1.50	-
2440MHz	Pass	AV	2.3664G	47.45	54.00	-6.55	31.08	3	Horizontal	24	1.01	-
2440MHz	Pass	AV	2.44G	79.57	Inf	-Inf	31.36	3	Horizontal	24	1.01	-
2440MHz	Pass	AV	2.4844G	48.30	54.00	-5.70	31.53	3	Horizontal	24	1.01	-
2440MHz	Pass	PK	2.3536G	58.14	74.00	-15.86	31.03	3	Horizontal	24	1.01	-
2440MHz	Pass	PK	2.4404G	81.45	Inf	-Inf	31.36	3	Horizontal	24	1.01	-
2440MHz	Pass	PK	2.5G	58.50	74.00	-15.50	31.59	3	Horizontal	24	1.01	-
2440MHz	Pass	AV	2.3732G	47.54	54.00	-6.46	31.11	3	Vertical	120	1.00	-
2440MHz	Pass	AV	2.44G	80.64	Inf	-Inf	31.36	3	Vertical	120	1.00	-
2440MHz	Pass	AV	2.4968G	48.50	54.00	-5.50	31.58	3	Vertical	120	1.00	-
2440MHz	Pass	PK	2.3544G	57.67	74.00	-16.33	31.03	3	Vertical	120	1.00	-
2440MHz	Pass	PK	2.4396G	82.47	Inf	-Inf	31.36	3	Vertical	120	1.00	-
2440MHz	Pass	PK	2.4924G	57.82	74.00	-16.18	31.56	3	Vertical	120	1.00	-
2440MHz	Pass	AV	4.88G	32.93	54.00	-21.07	2.56	3	Horizontal	0	1.50	-
2440MHz	Pass	PK	4.88G	44.85	74.00	-29.15	2.56	3	Horizontal	0	1.50	-
2440MHz	Pass	AV	4.88G	32.94	54.00	-21.06	2.56	3	Vertical	360	1.50	-
2440MHz	Pass	PK	4.88G	44.21	74.00	-29.79	2.56	3	Vertical	360	1.50	-
2480MHz	Pass	AV	2.48G	80.22	Inf	-Inf	31.51	3	Horizontal	138	1.07	-
2480MHz	Pass	AV	2.4882G	48.34	54.00	-5.66	31.55	3	Horizontal	138	1.07	-
2480MHz	Pass	PK	2.4798G	82.11	Inf	-Inf	31.51	3	Horizontal	138	1.07	-
2480MHz	Pass	PK	2.4878G	58.86	74.00	-15.14	31.54	3	Horizontal	138	1.07	-
2480MHz	Pass	AV	2.48G	82.53	Inf	-Inf	31.51	3	Vertical	115	2.77	-
2480MHz	Pass	AV	2.494G	48.42	54.00	-5.58	31.57	3	Vertical	115	2.77	-
2480MHz	Pass	PK	2.4798G	84.16	Inf	-Inf	31.51	3	Vertical	115	2.77	-
2480MHz	Pass	PK	2.4964G	58.47	74.00	-15.53	31.58	3	Vertical	115	2.77	-
2480MHz	Pass	AV	4.96G	33.33	54.00	-20.67	2.68	3	Horizontal	360	1.50	-
2480MHz	Pass	PK	4.96G	44.66	74.00	-29.34	2.68	3	Horizontal	360	1.50	-
2480MHz	Pass	AV	4.96G	33.35	54.00	-20.65	2.68	3	Vertical	0	1.50	-
2480MHz	Pass	PK	4.96G	45.37	74.00	-28.63	2.68	3	Vertical	0	1.50	-

BT-LE(1Mbps)

2402MHz_TX

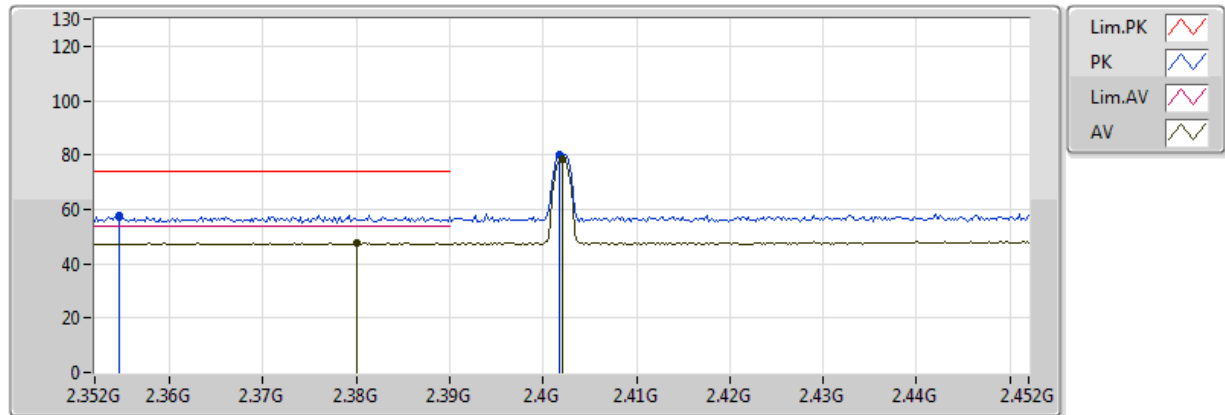


EUT = Z axis

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	2.3876G	47.74	54.00	-6.26	31.16	3	Vertical	294	3.62	-	16.58	26.99	4.18	-
AV	2.402G	77.82	Inf	-Inf	31.22	3	Vertical	294	3.62	-	46.61	27.03	4.19	-
PK	2.3618G	57.77	74.00	-16.23	31.06	3	Vertical	294	3.62	-	26.71	26.91	4.15	-
PK	2.4016G	79.84	Inf	-Inf	31.22	3	Vertical	294	3.62	-	48.62	27.02	4.19	-

BT-LE(1Mbps)

2402MHz_TX

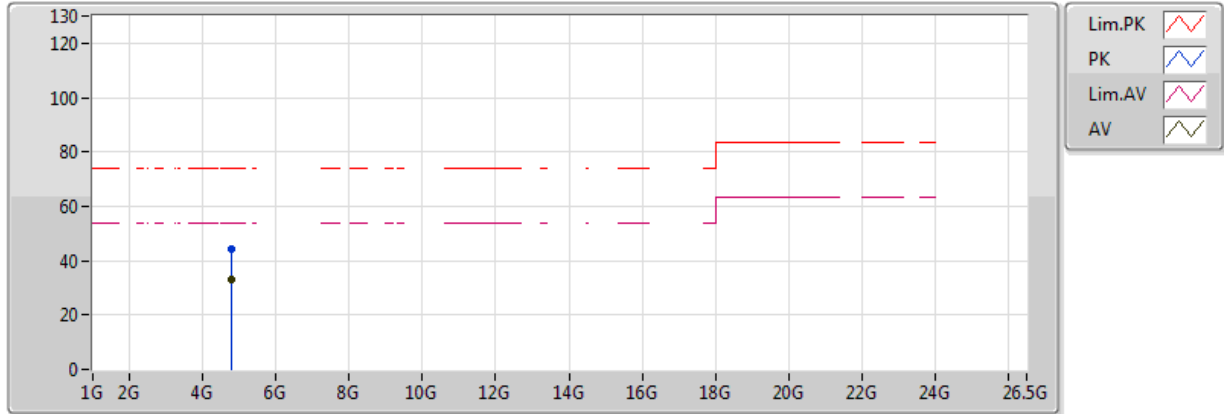


EUT = Z axis

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	2.38G	47.60	54.00	-6.40	31.13	3	Horizontal	23	3.69	-	16.47	26.96	4.17	-
AV	2.402G	78.18	Inf	-Inf	31.22	3	Horizontal	23	3.69	-	46.96	27.03	4.19	-
PK	2.3546G	57.63	74.00	-16.37	31.03	3	Horizontal	23	3.69	-	26.60	26.89	4.14	-
PK	2.4018G	80.04	Inf	-Inf	31.22	3	Horizontal	23	3.69	-	48.82	27.03	4.19	-

BT-LE(1Mbps)

2402MHz_TX

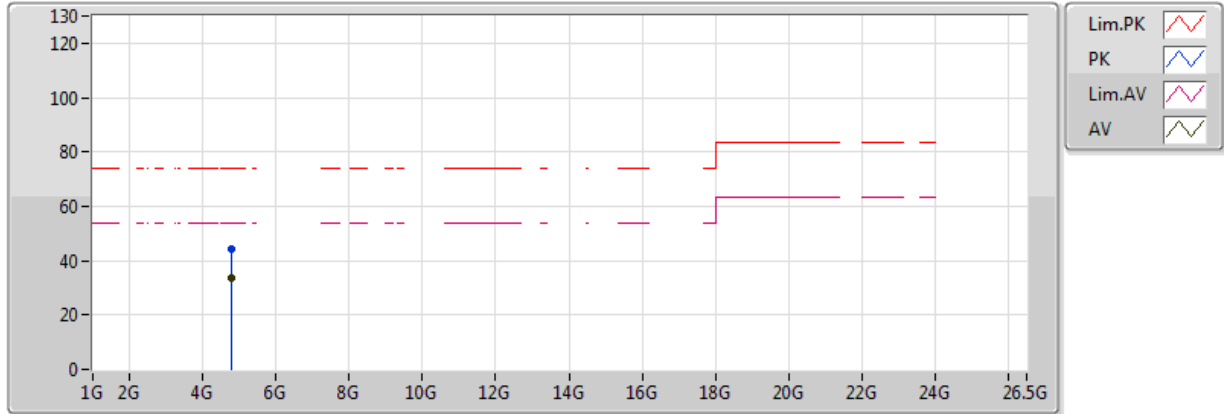


EUT = Z axis

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.804G	33.27	54.00	-20.73	2.46	3	Vertical	360	1.50	-	30.81	31.19	6.44	35.17
PK	4.804G	44.36	74.00	-29.64	2.46	3	Vertical	360	1.50	-	41.90	31.19	6.44	35.17

BT-LE(1Mbps)

2402MHz_TX

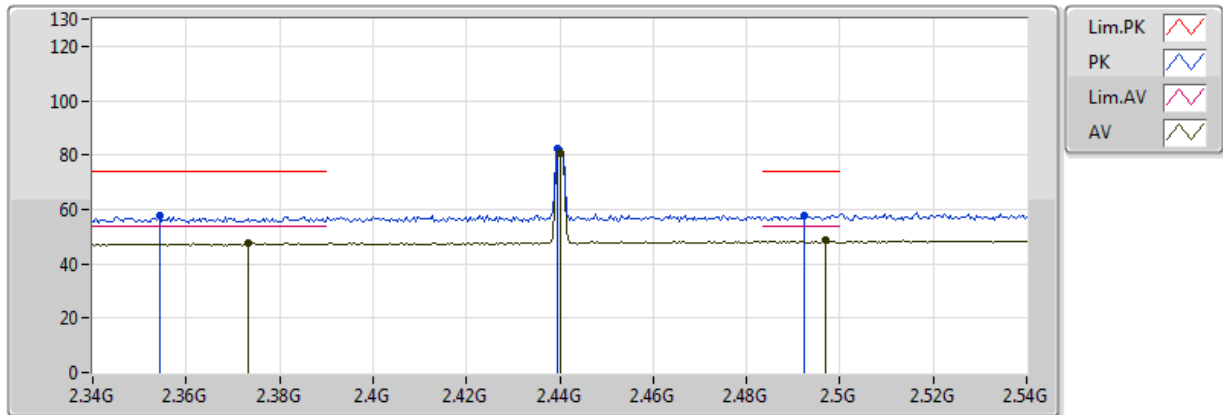


EUT = Z axis

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.804G	33.35	54.00	-20.65	2.46	3	Horizontal	0	1.50	-	30.89	31.19	6.44	35.17
PK	4.804G	44.54	74.00	-29.46	2.46	3	Horizontal	0	1.50	-	42.08	31.19	6.44	35.17

BT-LE(1Mbps)

2440MHz_TX

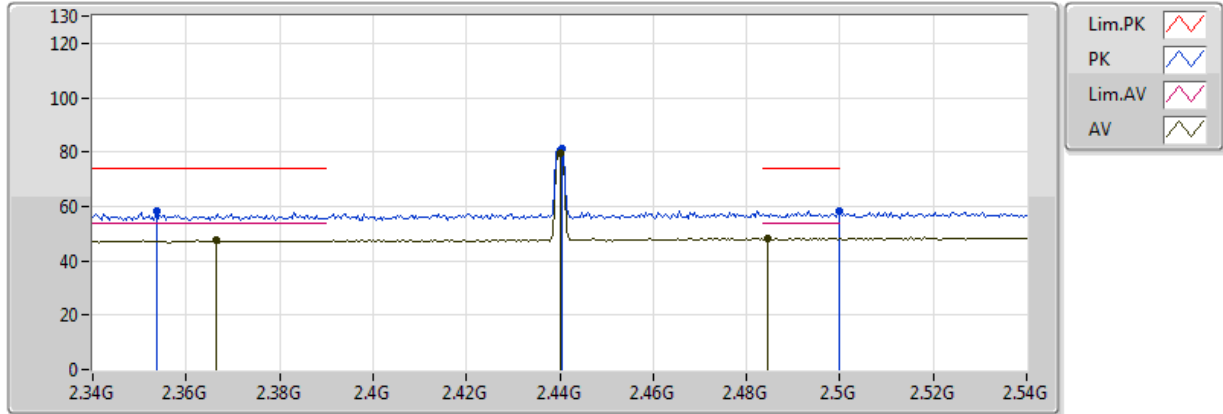


EUT = Z axis

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	2.3732G	47.54	54.00	-6.46	31.11	3	Vertical	120	1.00	-	16.44	26.94	4.16	-
AV	2.44G	80.64	Inf	-Inf	31.36	3	Vertical	120	1.00	-	49.28	27.13	4.23	-
AV	2.4968G	48.50	54.00	-5.50	31.58	3	Vertical	120	1.00	-	16.93	27.29	4.29	-
PK	2.3544G	57.67	74.00	-16.33	31.03	3	Vertical	120	1.00	-	26.64	26.89	4.14	-
PK	2.4396G	82.47	Inf	-Inf	31.36	3	Vertical	120	1.00	-	51.11	27.13	4.23	-
PK	2.4924G	57.82	74.00	-16.18	31.56	3	Vertical	120	1.00	-	26.26	27.28	4.28	-

BT-LE(1Mbps)

2440MHz_TX

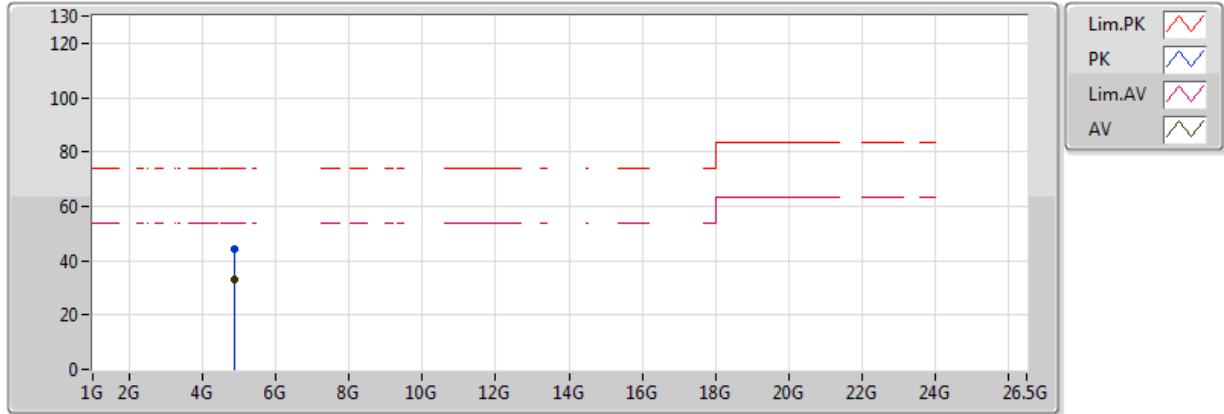


EUT = Z axis

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	2.3664G	47.45	54.00	-6.55	31.08	3	Horizontal	24	1.01	-	16.37	26.93	4.15	-
AV	2.44G	79.57	Inf	-Inf	31.36	3	Horizontal	24	1.01	-	48.21	27.13	4.23	-
AV	2.4844G	48.30	54.00	-5.70	31.53	3	Horizontal	24	1.01	-	16.77	27.26	4.27	-
PK	2.3536G	58.14	74.00	-15.86	31.03	3	Horizontal	24	1.01	-	27.11	26.89	4.14	-
PK	2.4404G	81.45	Inf	-Inf	31.36	3	Horizontal	24	1.01	-	50.09	27.13	4.23	-
PK	2.5G	58.50	74.00	-15.50	31.59	3	Horizontal	24	1.01	-	26.91	27.30	4.29	-

BT-LE(1Mbps)

2440MHz_TX

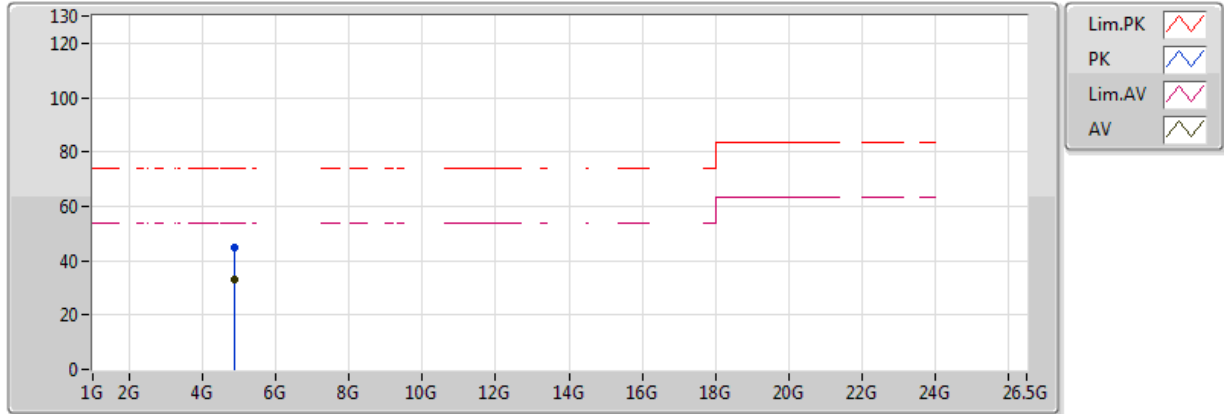


EUT = Z axis

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	4.88G	32.94	54.00	-21.06	2.56	3	Vertical	360	1.50	-	30.38	31.31	6.45	35.19
PK	4.88G	44.21	74.00	-29.79	2.56	3	Vertical	360	1.50	-	41.65	31.31	6.45	35.19

BT-LE(1Mbps)

2440MHz_TX

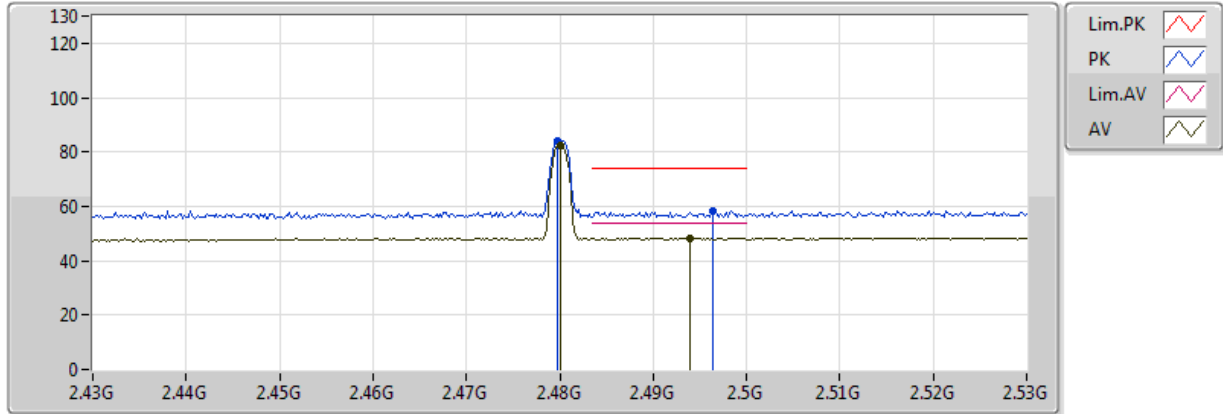


EUT = Z axis

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	4.88G	32.93	54.00	-21.07	2.56	3	Horizontal	0	1.50	-	30.37	31.31	6.45	35.19
PK	4.88G	44.85	74.00	-29.15	2.56	3	Horizontal	0	1.50	-	42.29	31.31	6.45	35.19

BT-LE(1Mbps)

2480MHz_TX

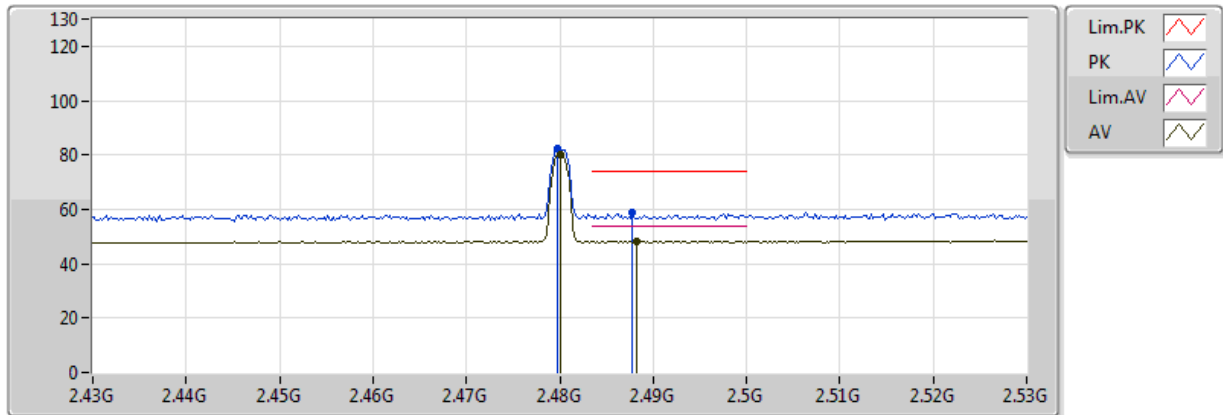


EUT = Z axis

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	82.53	Inf	-Inf	31.51	3	Vertical	115	2.77	-	51.02	27.24	4.27	-
AV	2.494G	48.42	54.00	-5.58	31.57	3	Vertical	115	2.77	-	16.85	27.28	4.28	-
PK	2.4798G	84.16	Inf	-Inf	31.51	3	Vertical	115	2.77	-	52.65	27.24	4.27	-
PK	2.4964G	58.47	74.00	-15.53	31.58	3	Vertical	115	2.77	-	26.90	27.29	4.29	-

BT-LE(1Mbps)

2480MHz_TX

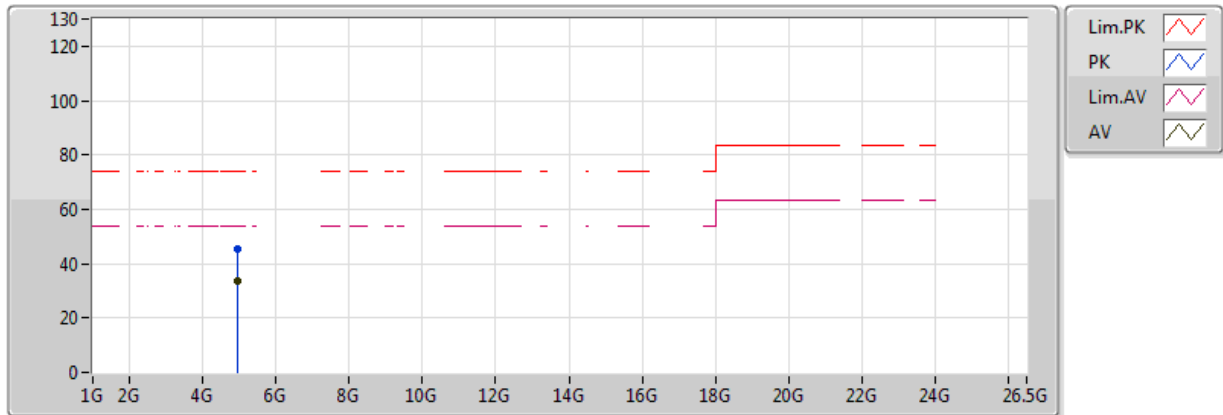


EUT = Z axis

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	80.22	Inf	-Inf	31.51	3	Horizontal	138	1.07	-	48.71	27.24	4.27	-
AV	2.4882G	48.34	54.00	-5.66	31.55	3	Horizontal	138	1.07	-	16.79	27.27	4.28	-
PK	2.4798G	82.11	Inf	-Inf	31.51	3	Horizontal	138	1.07	-	50.60	27.24	4.27	-
PK	2.4878G	58.86	74.00	-15.14	31.54	3	Horizontal	138	1.07	-	27.32	27.27	4.28	-

BT-LE(1Mbps)

2480MHz_TX

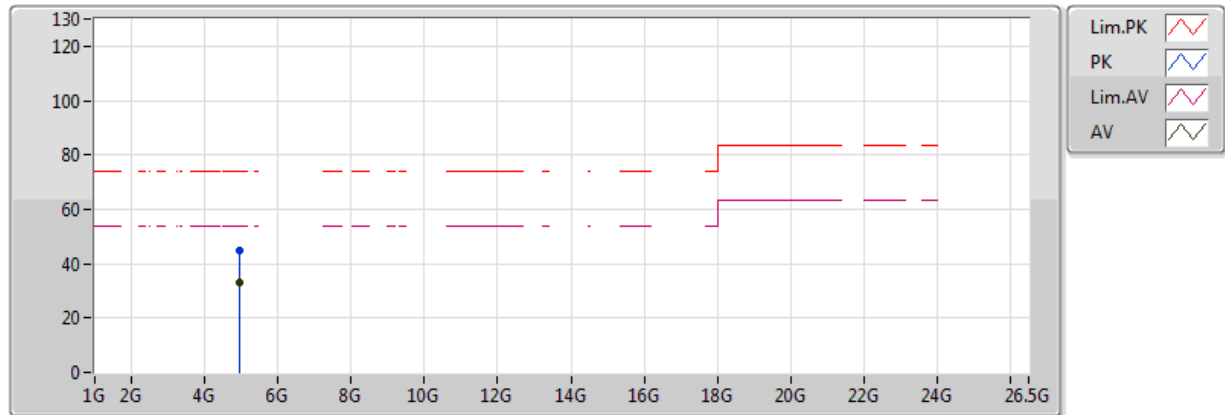


EUT = Z axis

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	33.35	54.00	-20.65	2.68	3	Vertical	0	1.50	-	30.67	31.44	6.46	35.21
PK	4.96G	45.37	74.00	-28.63	2.68	3	Vertical	0	1.50	-	42.69	31.44	6.46	35.21

BT-LE(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	33.33	54.00	-20.67	2.68	3	Horizontal	360	1.50	-	30.65	31.44	6.46	35.21
PK	4.96G	44.66	74.00	-29.34	2.68	3	Horizontal	360	1.50	-	41.98	31.44	6.46	35.21



RSE above 1GHz Result

Appendix G

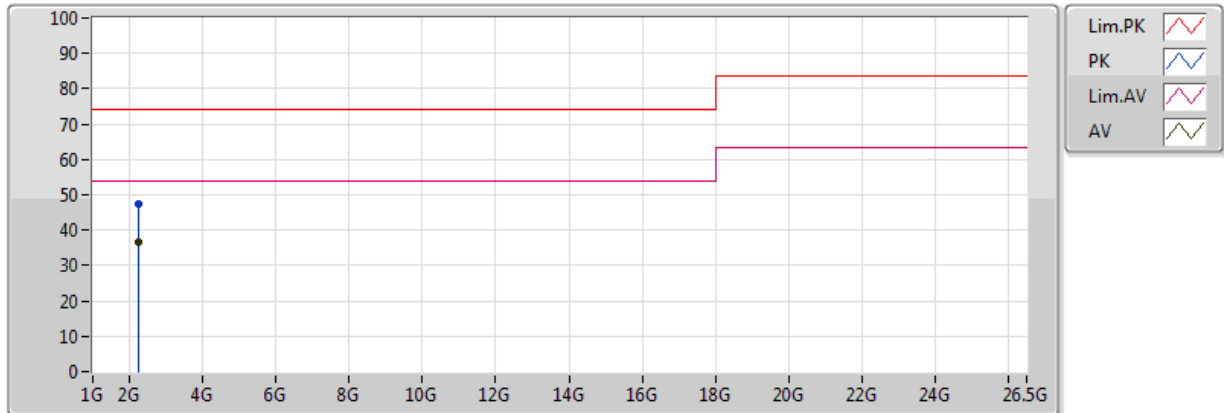
Summary

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	-

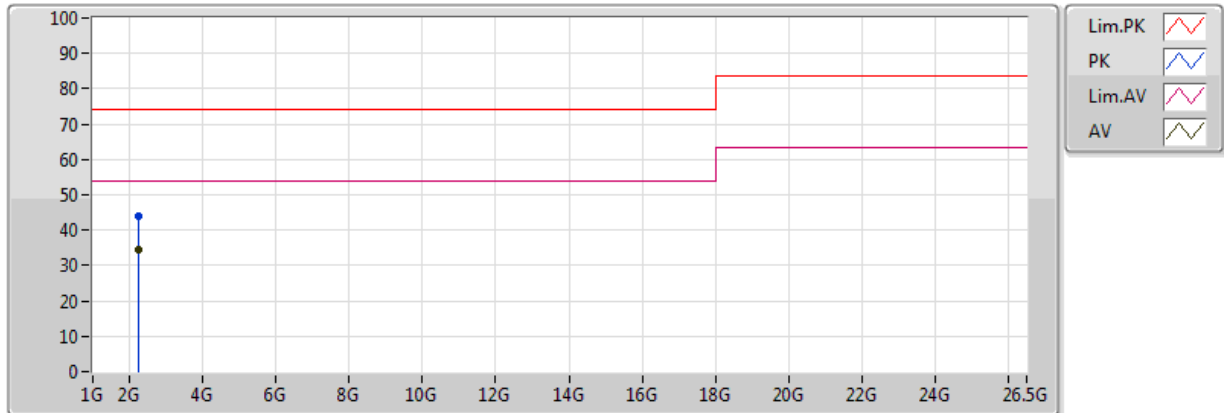
Radiated-above 1GHz_Mode 1



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

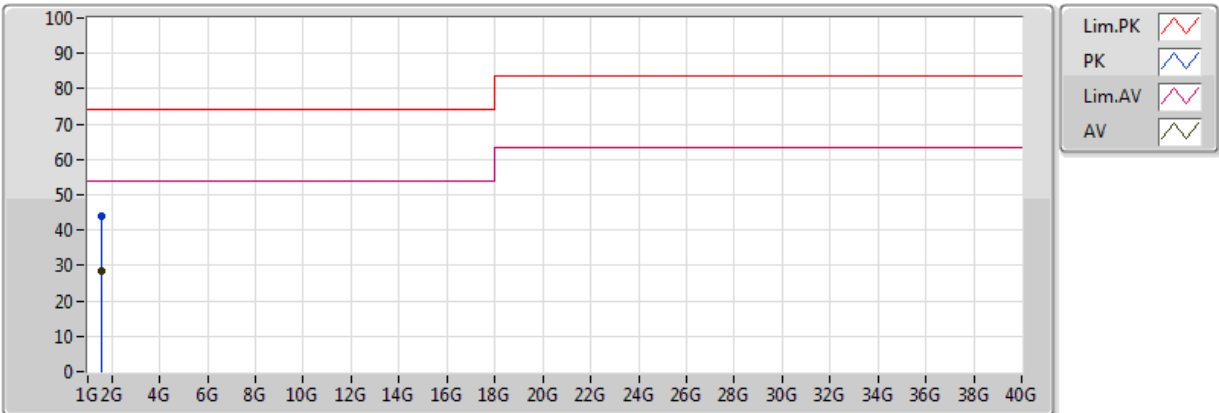
Radiated-above 1GHz_Mode 1



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

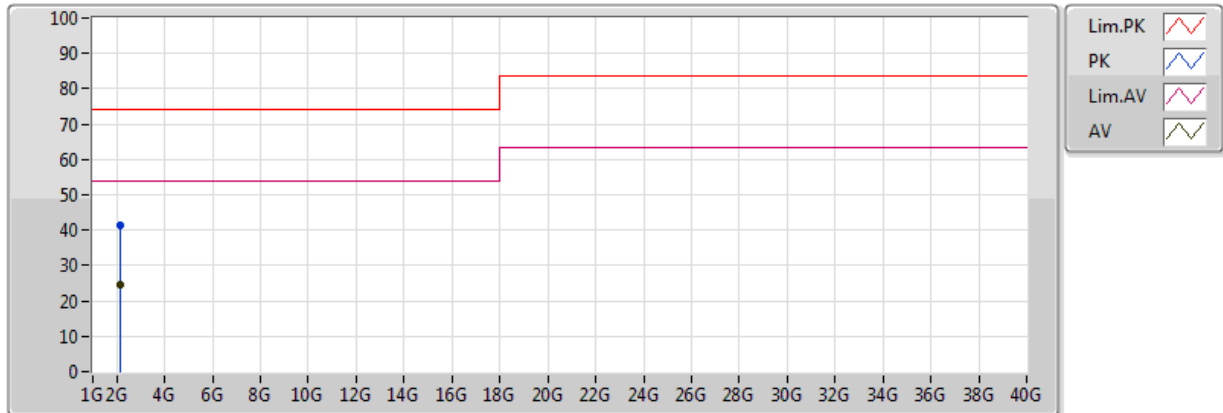
Radiated-above 1GHz_Mode 2



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