

FCC Test Report

Equipment : C2 Wi-Fi Camera
Brand Name : Honeywell
Model No. : CHCC2
FCC ID : CFS8DLCHCC2
Standard : 47 CFR FCC Part 15.247
Frequency : 2400 MHz – 2483.5 MHz
Function : ☐ Point-to-multipoint; ☒ Point-to-point
Applicant : Ademco Inc.
2 Corporate Center Drive, Suite 100, Melville,
New York 11747 United States
Manufacturer : EDIMAX TECHNOLOGY CO., LTD.
No.278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan

The product sample received on May 23, 2017 and completely tested on Jun. 15, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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


Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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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

Declaration of Conformity:

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Comments and explanations:

None



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	LYNwave	ALC160-051023-000000	PCB	I-PEX	2.0

1.1.3 EUT Information

Operational Condition	
EUT Power Type	From AC Adapter
Type of EUT	
☒	Stand-alone
☐	Combined (EUT where the radio part is fully integrated within another device)
	Combined Equipment - Brand Name / Model No.: ...
☐	Plug-in radio (EUT intended for a variety of host systems)
	Host System - Brand Name / Model No.: ...
☐	Other:

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
BT-LE(1Mbps)	0.632	1.993	395.312u	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
- ♦ ANSI C63.4-2014
- ♦ KDB 558074 D01 v05

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	21.8°C / 65%	12/Jun/2017
Radiated	03CH09-HY	Terry	20.7°C / 57%	10/Jun/2017
AC Conduction	CO04-HY	Teddy	22°C / 60%	15/Jun/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
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software	Realtek
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Mode	Power Setting
BT-LE(1Mbps)	-
2402MHz	25
2440MHz	22
2480MHz	24

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	Normal Link
1	EUT standing + Adapter with Extend Cable; WiFi 2.4G Link ; Micro SD R/W
2	EUT standing + Adapter with Extend Cable; WiFi 5G Link ; Micro SD R/W
3	EUT standing + USB with Extend Cable; WiFi 5G Link ; Micro SD R/W
For operating mode 3 is the worst case and it was record in this test report.	

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	Normal Link	
1	EUT standing + Adapter with Extend Cable; WiFi 2.4G Link ; Micro SD R/W	
2	EUT standing + Adapter with Extend Cable; WiFi 5G Link ; Micro SD R/W	
3	EUT laying + Adapter with Extend Cable; WiFi 2.4G Link ; Micro SD R/W	
4	EUT standing + USB with Extend Cable; WiFi 2.4G Link ; Micro SD R/W	
Operating Mode > 1GHz	CTX	
Orthogonal Planes of EUT	Y Plane	Z Plane
		
Worst Planes of EUT	V	

2.4 Accessories

Accessories				
AC Adapter	Brand Name	APD	Model Name	WB-10E05FU
	Power Rating	I/P: 100-240Vac, 50-60Hz, 0.4A, O/P: 5Vdc, 2A		
	Power Cord	1.8meter, non-shielded cable, w/o ferrite core		
USB Cable	Brand Name	-	Model Name	-
	Power Cord	1.8meter, non-shielded cable, w/o ferrite core		
Stand	Brand Name	-	Model Name	-
USB Extend Cable	Brand Name	-	Model Name	-
	Power Cord	2.75meter, non-shielded cable, w/o ferrite core		

2.5 Support Equipment

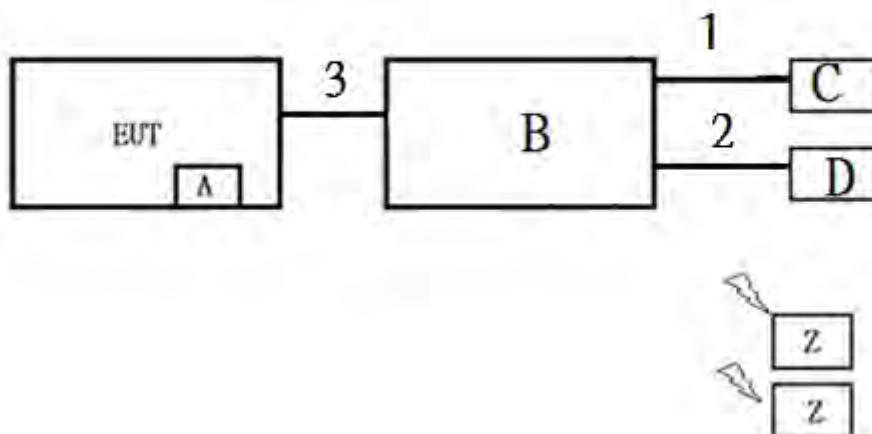
Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	AC Power source	-	-	-

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook(remote)	DELL	E6400	R33002
2	AC adapter for NB	DELL	LA65NS2-01	-
3	IPad(remote)	APPLE	-	-

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	SD Card	Transcend	8GB	DoC
2	Notebook	Dell	E5430	-
3	Mouse	Microsoft	1113	DoC
4	iPod nano	Apple	A1199	DoC
5	Notebook*2(remote)	DELL	P55G	DoC

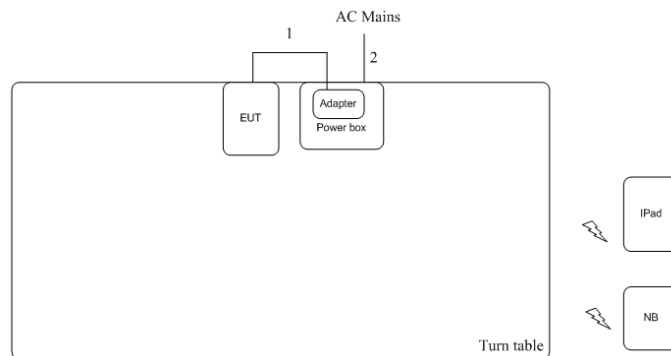
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test

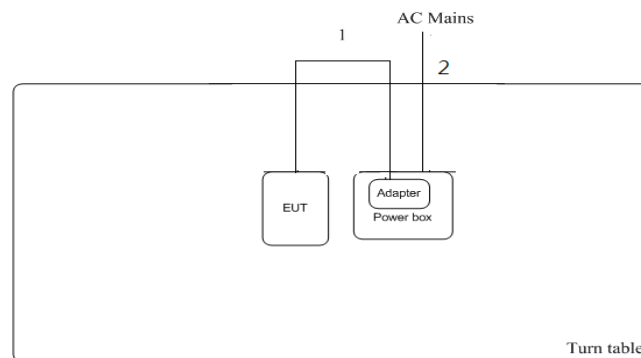


Item	Location Peripheral	Brand	Model
A	SD Card	Transcend	8GB
B	Notebook	Dell	E5430
C	Mouse	Microsoft	1113
D	iPod nano	Apple	A1199
Z	Notebook*2	DELL	P55G

Item	Connection	Shielded	Length
1	USB Cable	AL-F-Shielded	1.8m
2	USB Cable	B-Shielded	1m
3	USB Cable	Non-Shielded	2.75m

Test Setup Diagram - Radiated Test <1G


Item	Connection	Shielded	Length
1	USB Cable	D	4.6m
2	AC Power line	No	1.8m

Test Setup Diagram - Radiated Test >1G


Item	Connection	Shielded	Length
1	USB Cable	D	4.6m
2	AC Power line	No	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.

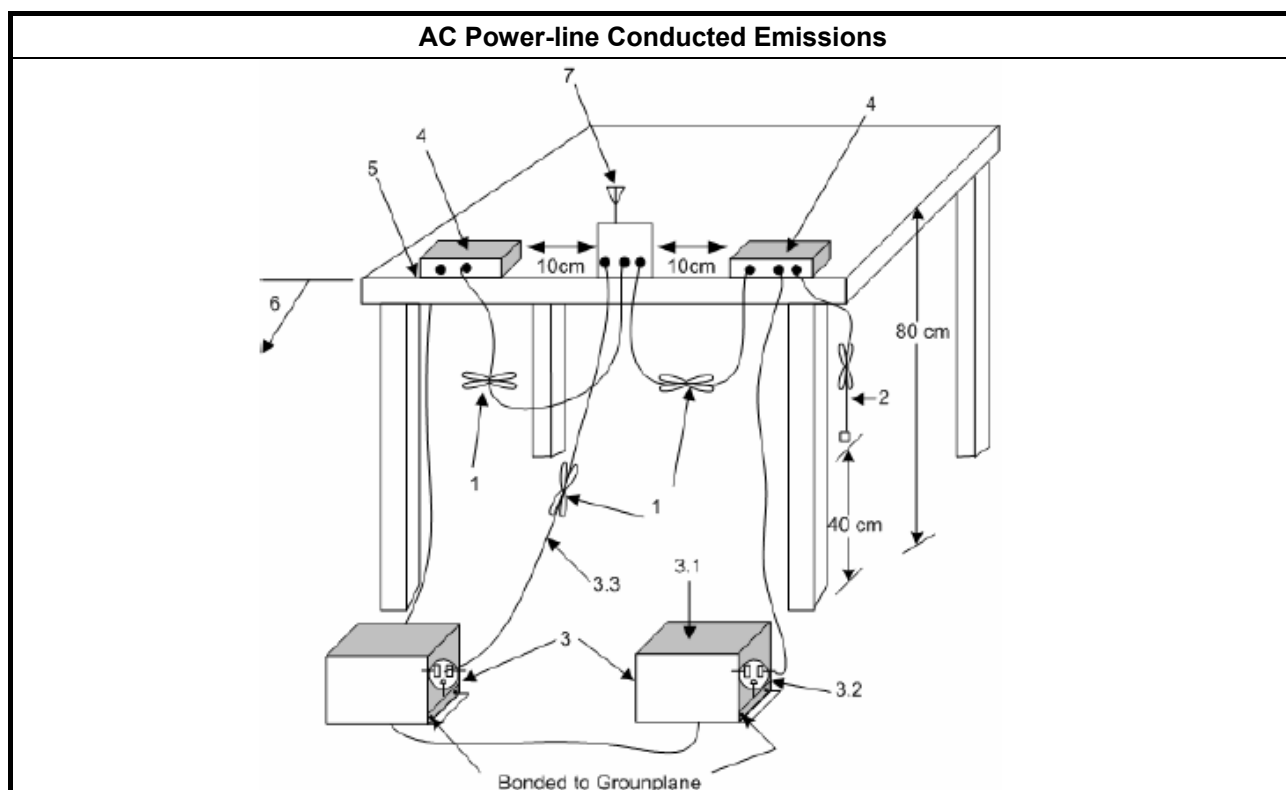
3.1.2 Measuring Instruments

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



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.

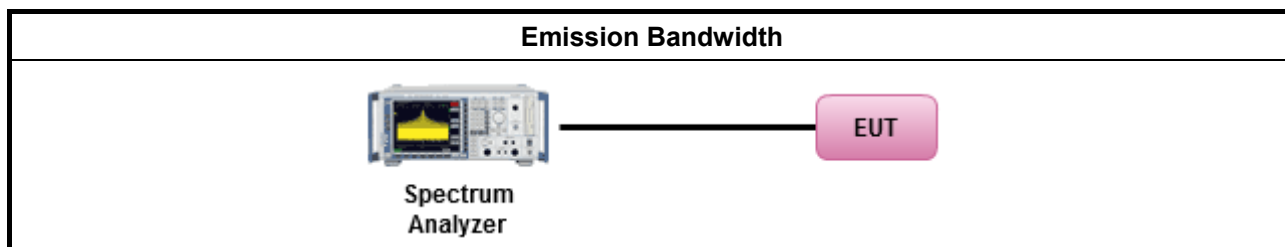
3.2.2 Measuring Instruments

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:
☒	Refer as KDB 558074, clause 8.2 (11.9.2.2 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	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		
	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): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm	
	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.		

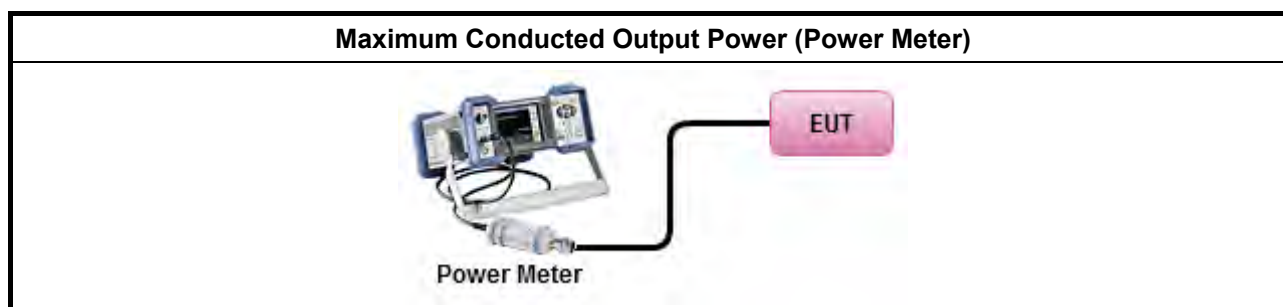
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a 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: $P_{total} = P_1 + P_2 + \dots + P_n$ (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

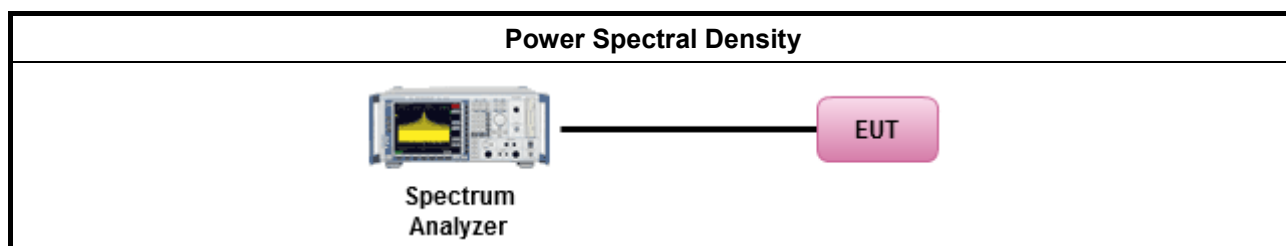
3.4.2 Measuring Instruments

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).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Method PKPSD.
▪	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
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.	

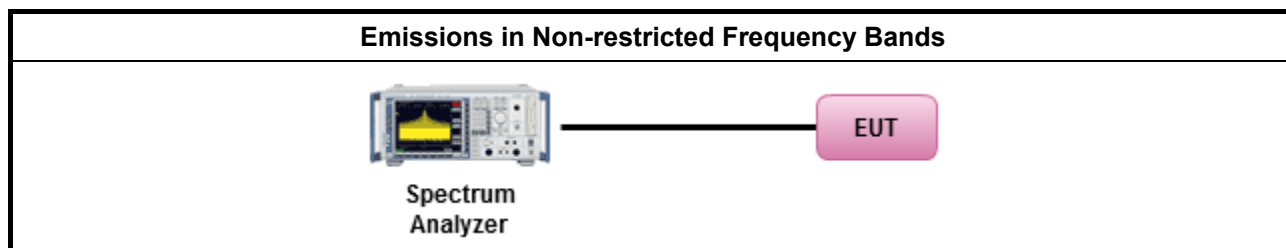
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency 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.

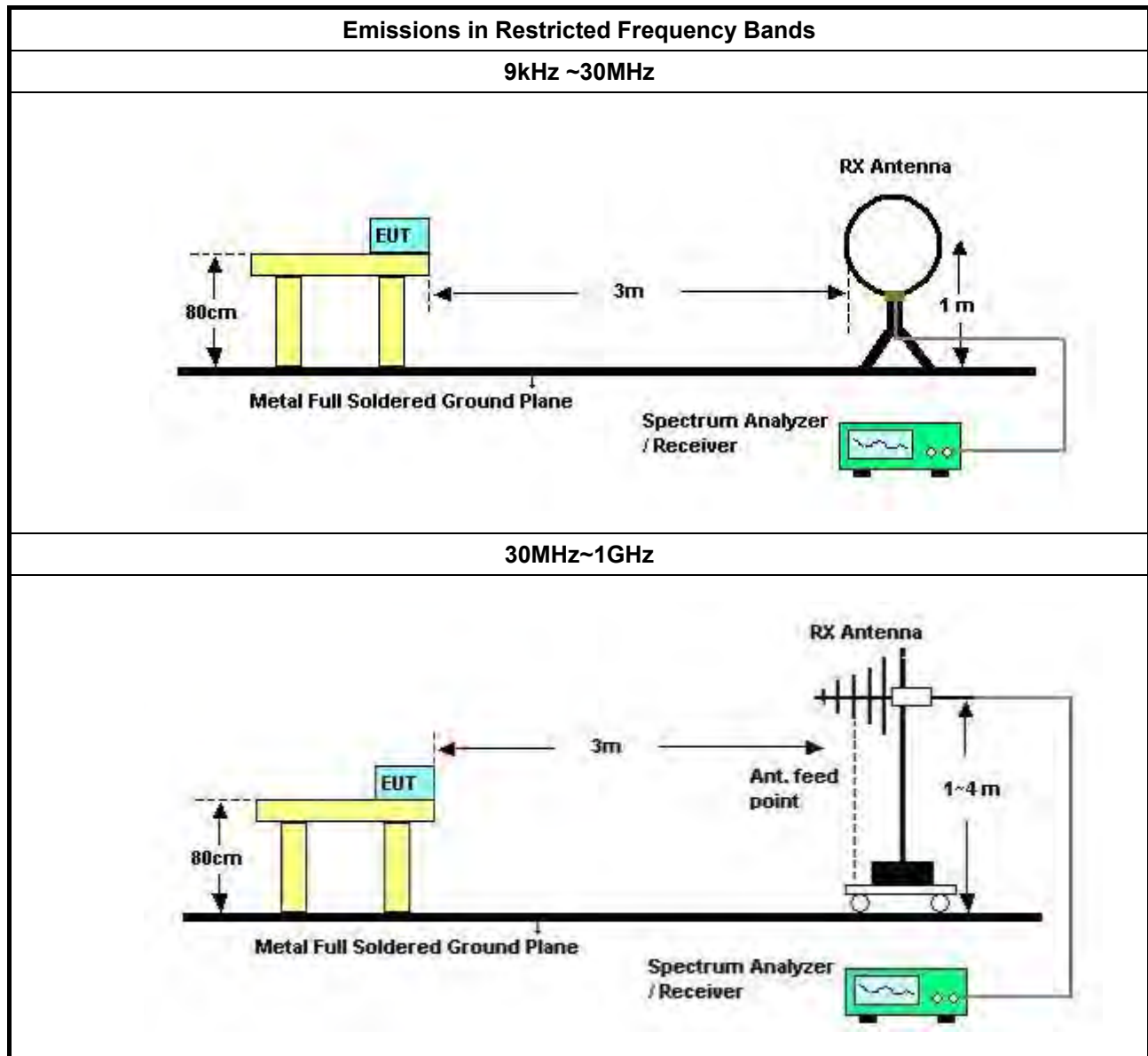
3.6.2 Measuring Instruments

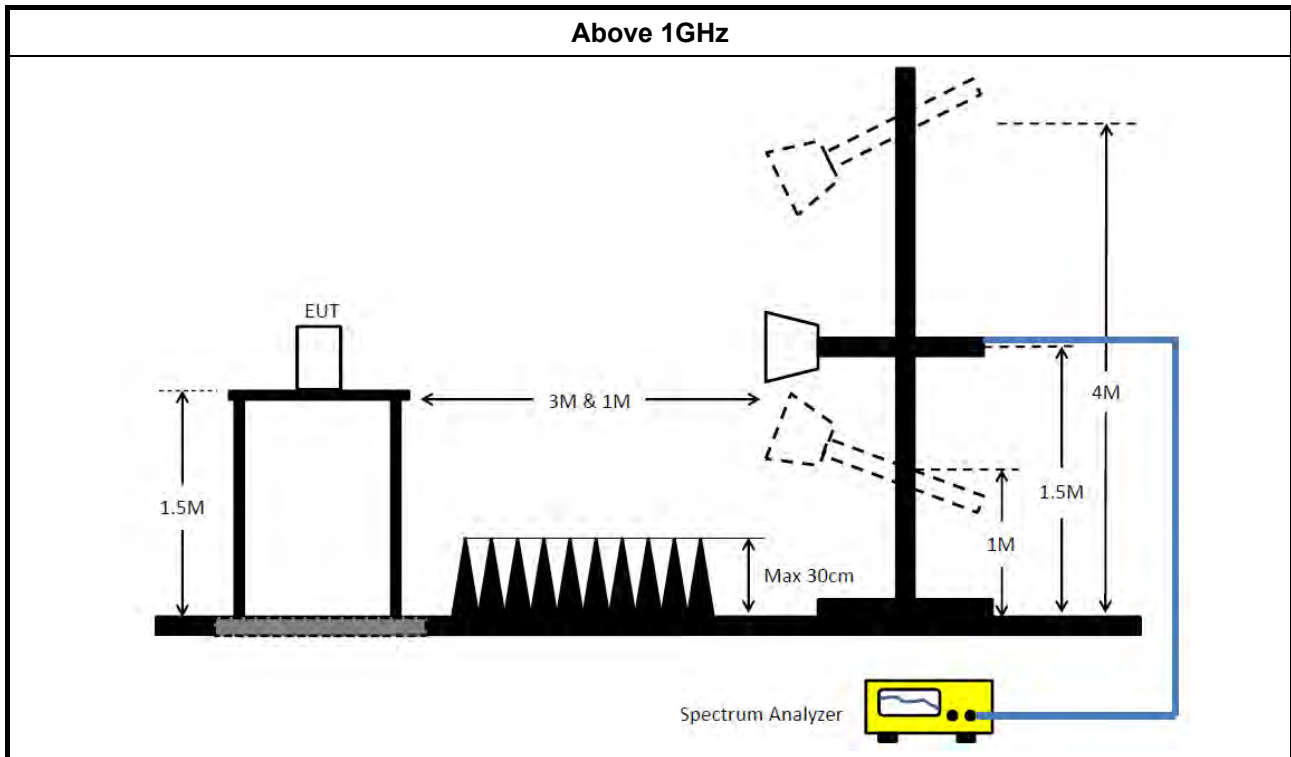
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 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 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as KDB 558074 clause 8.7.1, 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 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).

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. All amplitude of spurious emissions that are attenuated by more than 20 dB 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	102051	9KHz ~ 3.6GHz	29/Apr/2017	29/Apr/2017
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	15/Nov/2016
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	24/Oct/2016
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	20/Oct/2016	20/Oct/2016

Instrument for Radiated Test Below 1G

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	25/Apr/2017	24/Apr/2018
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	04/Jul/2016	03/Jul/2017
Bilog Antenna	TESEQ	CBL 6111D	35418	30MHz~1GHz	01/Oct/2016	30/Sep/2017
Loop Antenna	R&S	HFH2-Z2	100330	9 kHz~30 MHz	10/Nov/2016	09/Nov/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	23/Jul/2016	22/Jul/2017

Instrument for Radiated Test Above 1G

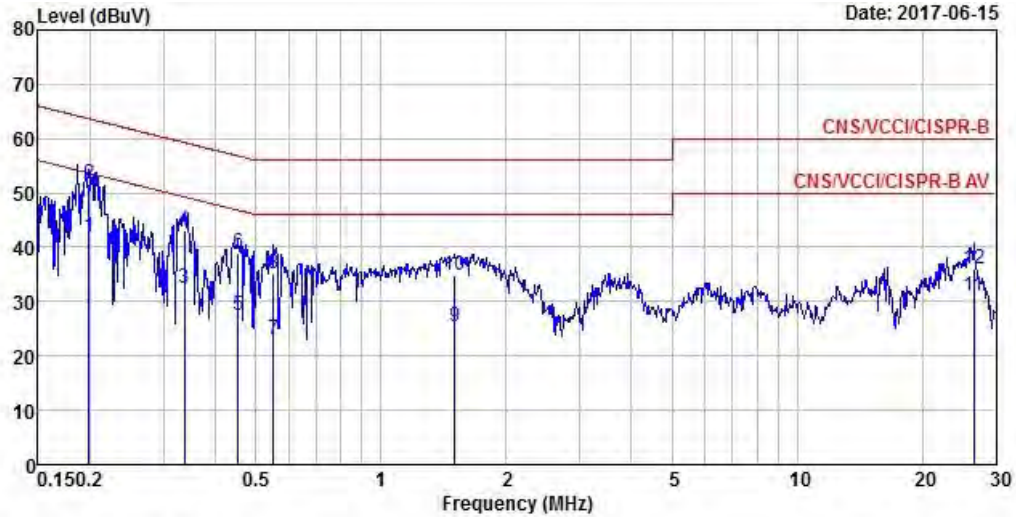
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	21/Jun/2016	20/Jun/2017
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	04/Jul/2016	03/Jul/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA9120D 1534	1GHz~18GHz	28/Apr/2017	27/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
RF Cable-high	Jye Bao	RG142	03CH09-HY	1GHz ~ 40GHz	23/Jul/2016	22/Jul/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	21/Jul/2016	20/Jul/2017
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	3	Power Phase	Neutral
Operating Function	EUT standing + USB with Extend Cable; WiFi 5G Link ; Micro SD R/W		

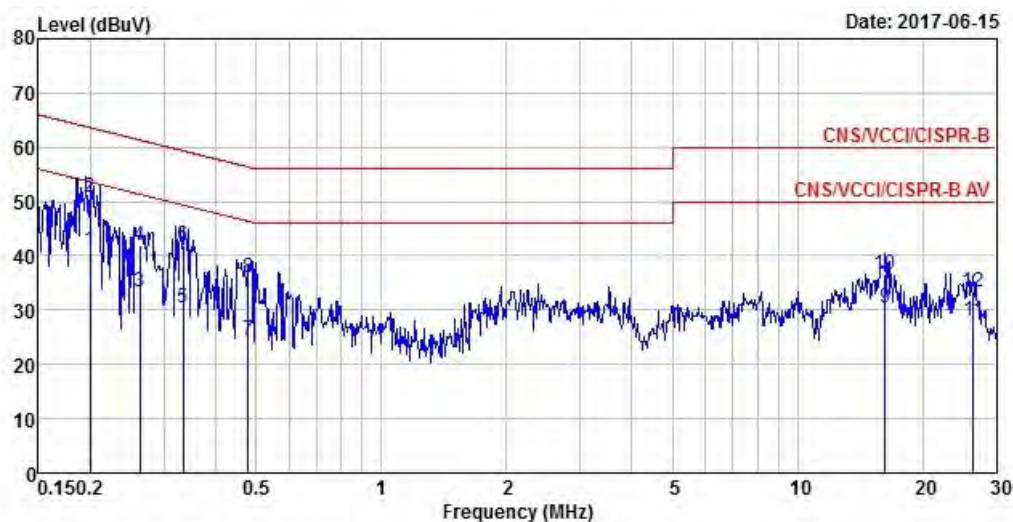


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.20	41.84	-11.83	53.67	31.89	9.65	0.30	Average
2	0.20	51.54	-12.13	63.67	41.59	9.65	0.30	QP
3	0.34	32.60	-16.67	49.27	22.78	9.67	0.15	Average
4	0.34	43.19	-16.08	59.27	33.37	9.67	0.15	QP
5	0.45	27.34	-19.46	46.80	17.57	9.67	0.10	Average
6	0.45	39.00	-17.80	56.80	29.23	9.67	0.10	QP
7	0.55	23.10	-22.90	46.00	13.34	9.66	0.10	Average
8	0.55	35.17	-20.83	56.00	25.41	9.66	0.10	QP
9	1.50	25.26	-20.74	46.00	15.32	9.72	0.22	Average

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	3	Power Phase	Line
Operating Function	EUT standing + USB with Extend Cable; WiFi 5G Link ; Micro SD R/W		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.20	41.08	-12.54	53.62	31.11	9.67	0.30	Average
2	0.20	50.83	-12.79	63.62	40.86	9.67	0.30	QP
3	0.26	33.39	-17.95	51.34	23.52	9.65	0.22	Average
4	0.26	41.91	-19.43	61.34	32.04	9.65	0.22	QP
5	0.33	30.46	-18.89	49.35	20.67	9.64	0.15	Average
6	0.33	41.93	-17.42	59.35	32.14	9.64	0.15	QP
7	0.48	24.40	-21.96	46.36	14.68	9.62	0.10	Average
8	0.48	35.88	-20.48	56.36	26.16	9.62	0.10	QP
9	16.23	30.54	-19.46	50.00	20.50	9.84	0.20	Average

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	717.5k	1.047M	1M05F1D	713.75k	1.039M

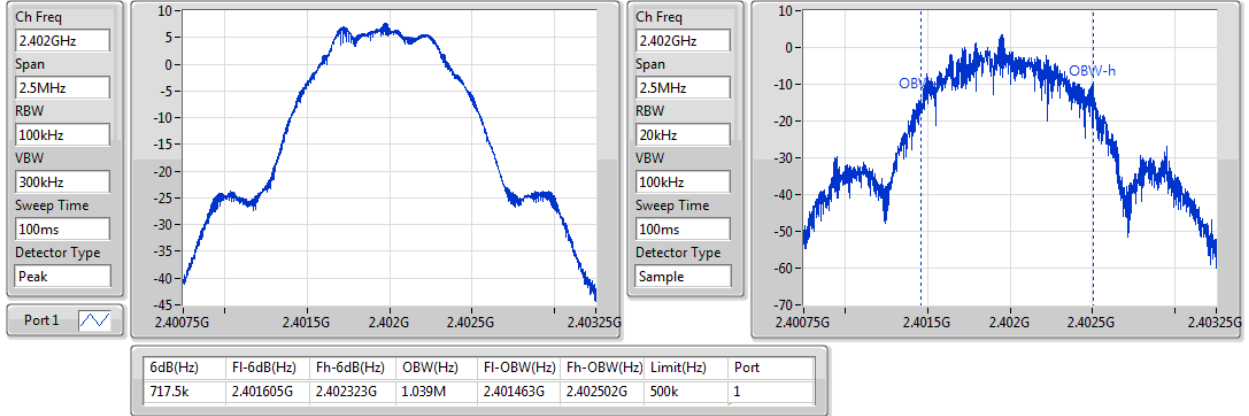
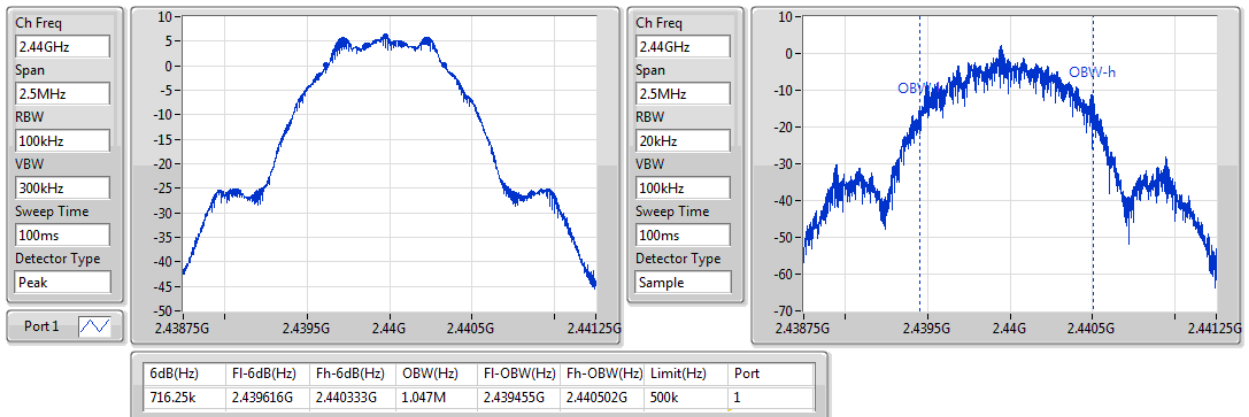
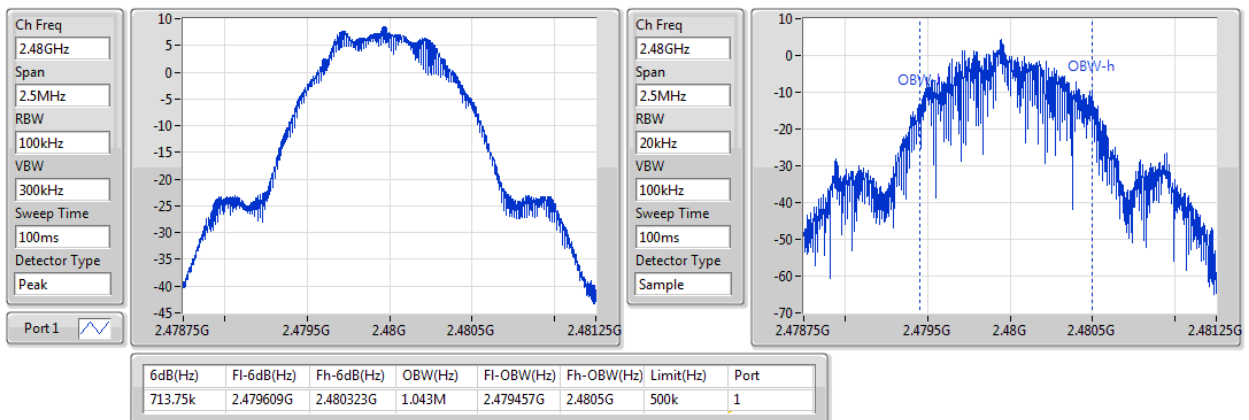
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

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_TnomVnom	Pass	500k	717.5k	1.039M
2440MHz_TnomVnom	Pass	500k	716.25k	1.047M
2480MHz_TnomVnom	Pass	500k	713.75k	1.043M

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	7.16	0.00520

Result

Mode	Result	Gain (dBi)	Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.00	6.29	30.00
2440MHz_TnomVnom	Pass	2.00	5.11	30.00
2480MHz_TnomVnom	Pass	2.00	7.16	30.00

Summary

Mode	PD (dBm/RBW)
BT-LE(1Mbps)	-
2.4-2.4835GHz	-7.11

RBW=3kHz.

Result

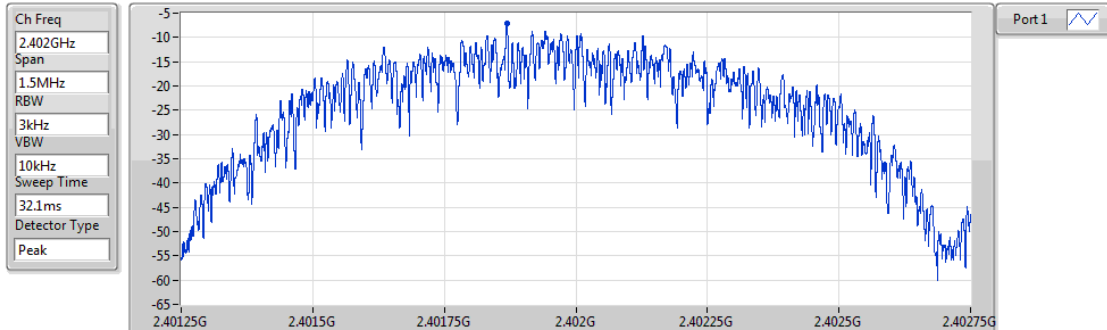
Mode	Result	Gain (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz_TnomVnom	Pass	2.00	-7.11	8.00
2440MHz_TnomVnom	Pass	2.00	-9.41	8.00
2480MHz_TnomVnom	Pass	2.00	-7.86	8.00

RBW=3kHz.

BT-LE(1Mbps)

PSD

2402MHz

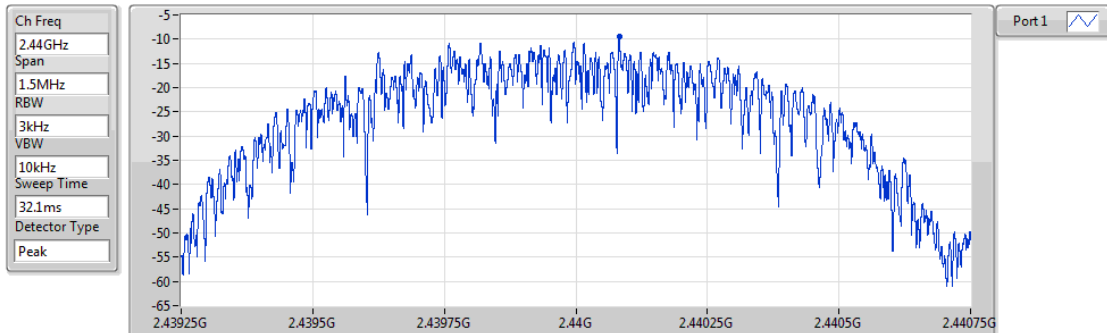


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.11	-7.11	-7.11

BT-LE(1Mbps)

PSD

2440MHz

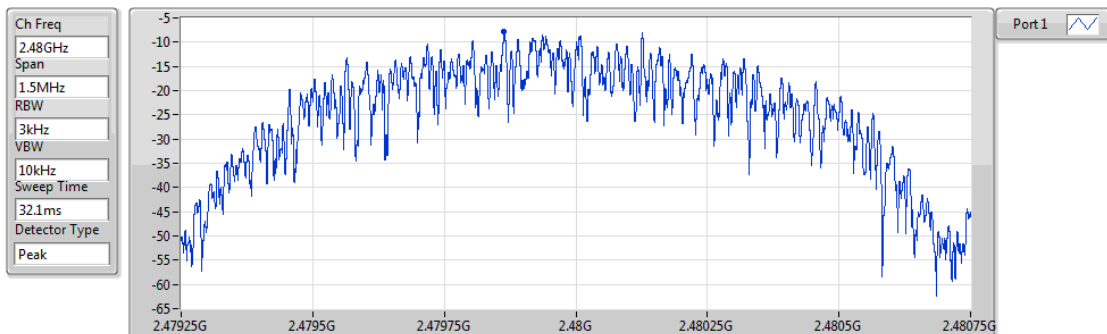


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.41	-9.41	-9.41

BT-LE(1Mbps)

PSD

2480MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.86	-7.86	-7.86

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	2.479826G	7.42	-22.58	477.552M	-61.56	2.399316G	-49.30	2.48456G	-60.00	7.205102G	-41.59	1

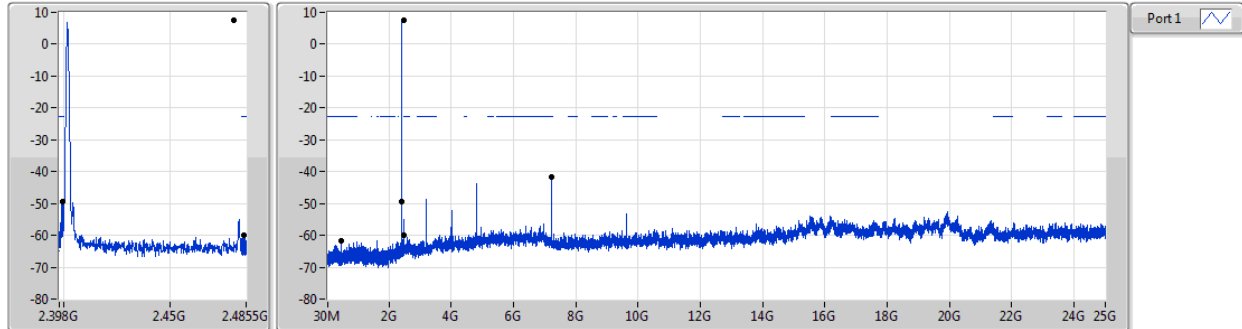
Result

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_TnomVnom	Pass	2.479826G	7.42	-22.58	477.552M	-61.56	2.399316G	-49.30	2.48456G	-60.00	7.205102G	-41.59	1
2440MHz_TnomVnom	Pass	2.479826G	7.42	-22.58	688.304M	-62.21	2.39886G	-60.27	2.4841G	-59.99	3.250993G	-50.44	1
2480MHz_TnomVnom	Pass	2.479826G	7.42	-22.58	1.653264G	-56.44	2.399956G	-56.43	2.483568G	-56.06	3.304465G	-49.30	1

BT-LE(1Mbps)

CSE NdB

2402MHz

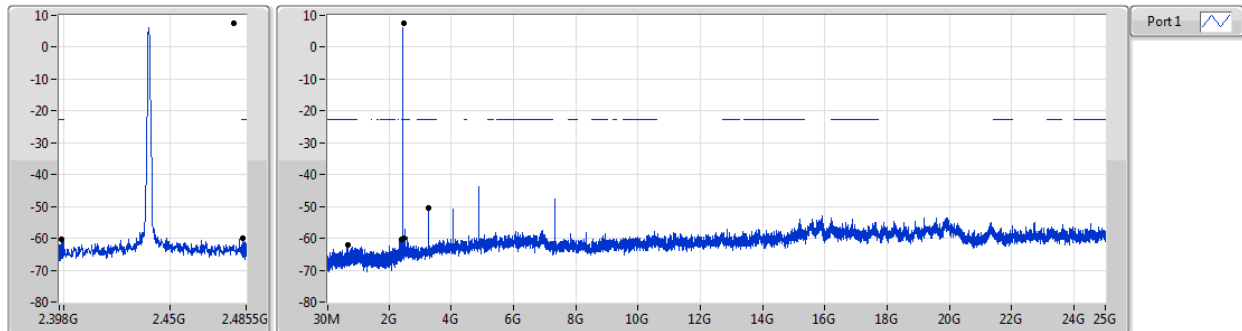


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.479826G	7.42	-22.58	477.552M	-61.56	2.399316G	-49.30	2.48456G	-60.00	7.205102G	-41.59	1

BT-LE(1Mbps)

CSE NdB

2440MHz

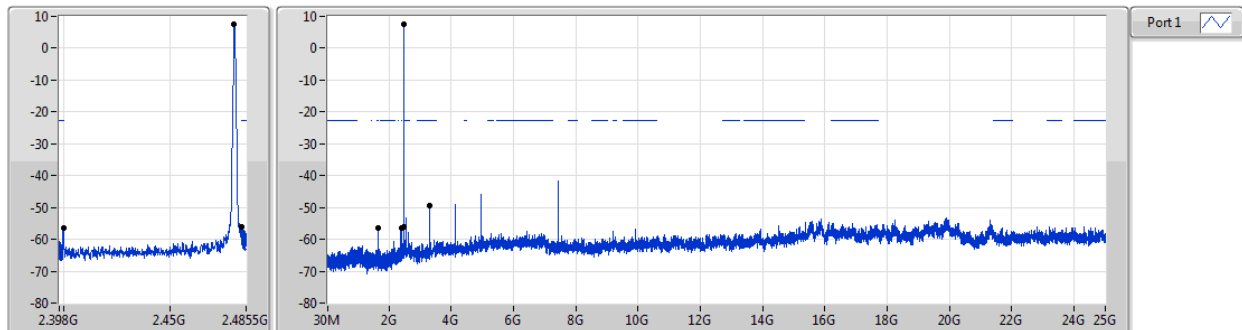


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.479826G	7.42	-22.58	688.304M	-62.21	2.39886G	-60.27	2.4841G	-59.99	3.250993G	-50.44	1

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
2.479826G	7.42	-22.58	1.653264G	-56.44	2.399956G	-56.43	2.483568G	-56.06	3.304465G	-49.30	1

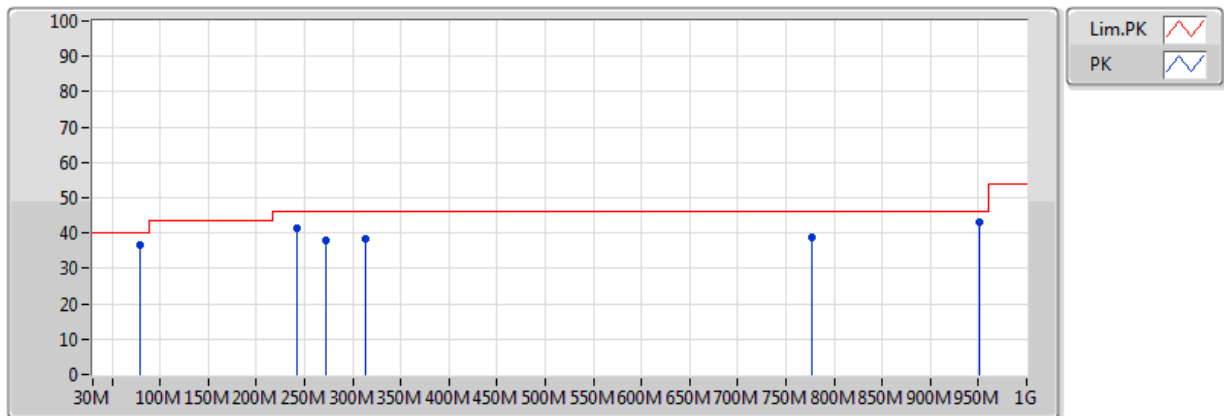
Summary

Mode	Result	Type	Freq (Hz)	Level	Limit	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1.	Pass	PK	951.5M	42.89	46.00	-3.11	-2.41	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	776.9M	42.34	46.00	-3.66	-5.78	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	776.9M	42.50	46.00	-3.50	-5.78	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	286.08M	42.78	46.00	-3.22	-15.78	3	Horizontal	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level	Limit	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1.	Pass	PK	82.38M	30.96	40.00	-9.04	-22.83	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	152.22M	25.92	43.50	-17.58	-18.57	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	286.08M	42.66	46.00	-3.34	-15.78	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	776.9M	41.39	46.00	-4.61	-5.78	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	904.94M	40.41	46.00	-5.59	-4.48	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	951.5M	41.52	46.00	-4.48	-2.41	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	78.5M	36.45	40.00	-3.55	-23.41	3	Vertical	360	1.00	-
Mode 1.	Pass	PK	241.46M	41.20	46.00	-4.80	-17.57	3	Vertical	360	1.00	-
Mode 1.	Pass	PK	272.5M	37.75	46.00	-8.25	-15.58	3	Vertical	360	1.00	-
Mode 1.	Pass	PK	313.24M	38.47	46.00	-7.53	-15.14	3	Vertical	360	1.00	-
Mode 1.	Pass	PK	951.5M	42.89	46.00	-3.11	-2.41	3	Vertical	360	1.00	-
Mode 1.	Pass	QP	776.9M	38.64	46.00	-7.36	-5.78	3	Vertical	36	2.22	-
Mode 2.	Pass	PK	101.78M	35.48	43.50	-8.02	-20.12	3	Horizontal	0	1.00	-
Mode 2.	Pass	PK	266.68M	29.71	46.00	-16.29	-15.28	3	Horizontal	0	1.00	-
Mode 2.	Pass	PK	303.54M	32.64	46.00	-13.36	-15.29	3	Horizontal	0	1.00	-
Mode 2.	Pass	PK	804.06M	40.82	46.00	-5.18	-5.62	3	Horizontal	0	1.00	-
Mode 2.	Pass	PK	951.5M	40.62	46.00	-5.38	-2.41	3	Horizontal	0	1.00	-
Mode 2.	Pass	QP	776.9M	38.10	46.00	-7.90	-5.78	3	Horizontal	231	1.20	-
Mode 2.	Pass	PK	225.94M	36.76	46.00	-9.24	-19.21	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	256.98M	36.27	46.00	-9.73	-15.37	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	346.22M	39.08	46.00	-6.92	-14.23	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	776.9M	42.34	46.00	-3.66	-5.78	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	951.5M	41.87	46.00	-4.13	-2.41	3	Vertical	360	1.00	-
Mode 2.	Pass	QP	86.26M	33.62	40.00	-6.38	-22.28	3	Vertical	5	2.24	-
Mode 3.	Pass	PK	81.41M	35.96	40.00	-4.04	-22.96	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	88.2M	30.94	43.50	-12.56	-21.97	3	Horizontal	0	1.00	-
Mode 3.	Pass	PK	210.42M	26.68	43.50	-16.82	-19.96	3	Horizontal	0	1.00	-
Mode 3.	Pass	PK	259.89M	41.44	46.00	-4.56	-14.96	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	289.96M	38.54	46.00	-7.46	-15.65	3	Horizontal	0	1.00	-
Mode 3.	Pass	PK	603.27M	34.32	46.00	-11.68	-8.52	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	776.9M	42.50	46.00	-3.50	-5.78	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	776.9M	41.91	46.00	-4.09	-5.78	3	Horizontal	0	1.00	-
Mode 3.	Pass	PK	804.06M	40.76	46.00	-5.24	-5.62	3	Horizontal	0	1.00	-
Mode 3.	Pass	PK	951.5M	42.43	46.00	-3.57	-2.41	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	951.5M	41.40	46.00	-4.60	-2.41	3	Horizontal	0	1.00	-
Mode 3.	Pass	QP	238.55M	38.12	46.00	-7.88	-17.93	3	Vertical	333	1.00	-
Mode 4.	Pass	PK	84.32M	30.42	40.00	-9.58	-22.57	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	264.74M	28.93	46.00	-17.07	-15.18	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	286.08M	42.78	46.00	-3.22	-15.78	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	720.64M	33.19	46.00	-12.81	-7.04	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	776.9M	41.20	46.00	-4.80	-5.78	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	951.5M	40.96	46.00	-5.04	-2.41	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	86.26M	35.66	40.00	-4.34	-22.28	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	245.34M	39.83	46.00	-6.17	-17.03	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	260.86M	37.87	46.00	-8.13	-14.98	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	602.3M	33.94	46.00	-12.06	-8.55	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	776.9M	42.07	46.00	-3.93	-5.78	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	951.5M	41.26	46.00	-4.74	-2.41	3	Vertical	360	1.00	-

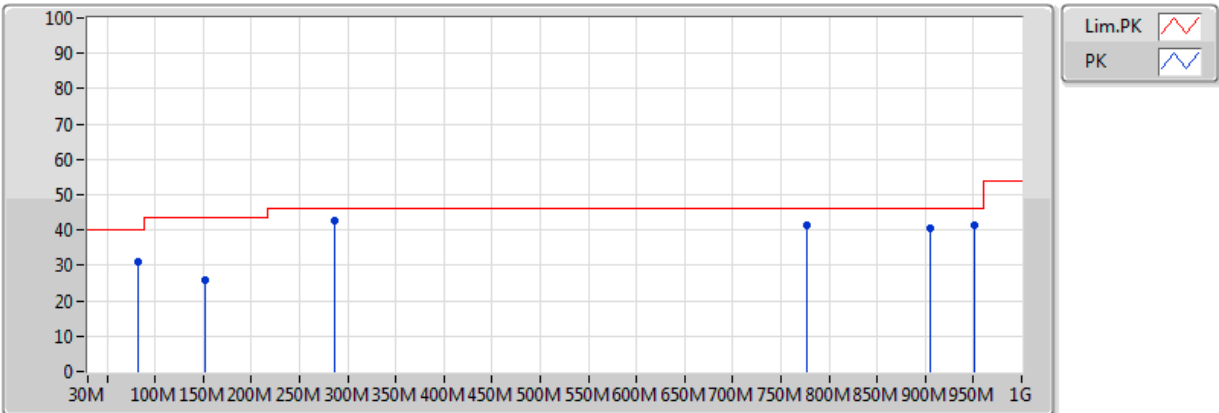
Radiated-below 1GHz_Mode 1



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	78.5M	36.45	40.00	-3.55	-23.41	3	Vertical	360	1.00	-
PK	241.46M	41.20	46.00	-4.80	-17.57	3	Vertical	360	1.00	-
PK	272.5M	37.75	46.00	-8.25	-15.58	3	Vertical	360	1.00	-
PK	313.24M	38.47	46.00	-7.53	-15.14	3	Vertical	360	1.00	-
PK	951.5M	42.89	46.00	-3.11	-2.41	3	Vertical	360	1.00	-
QP	776.9M	38.64	46.00	-7.36	-5.78	3	Vertical	36	2.22	-

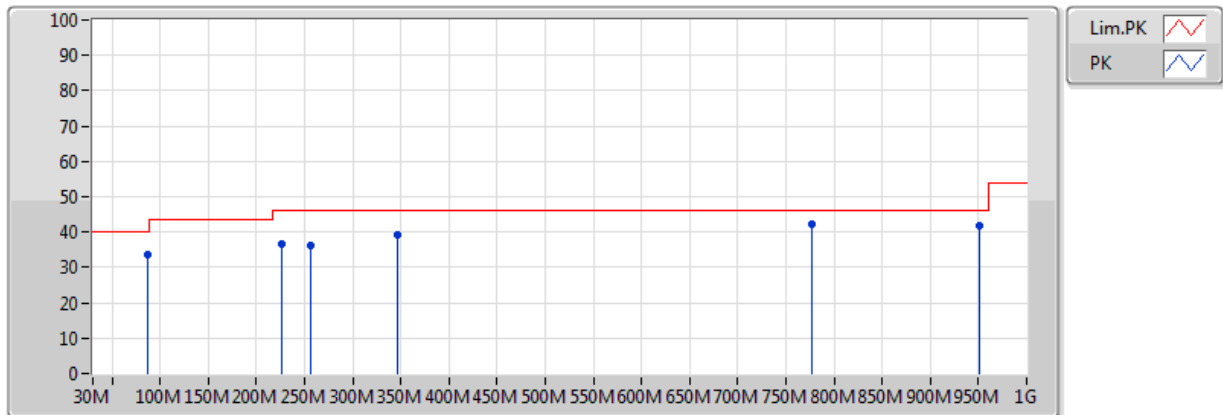
Radiated-below 1GHz_Mode 1



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	82.38M	30.96	40.00	-9.04	-22.83	3	Horizontal	0	1.00	-
PK	152.22M	25.92	43.50	-17.58	-18.57	3	Horizontal	0	1.00	-
PK	286.08M	42.66	46.00	-3.34	-15.78	3	Horizontal	0	1.00	-
PK	776.9M	41.39	46.00	-4.61	-5.78	3	Horizontal	0	1.00	-
PK	904.94M	40.41	46.00	-5.59	-4.48	3	Horizontal	0	1.00	-
PK	951.5M	41.52	46.00	-4.48	-2.41	3	Horizontal	0	1.00	-

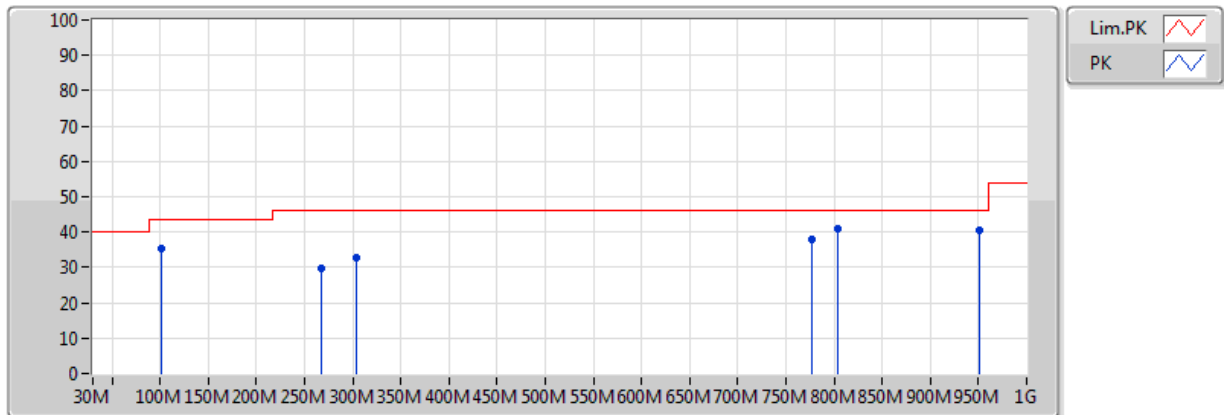
Radiated-below 1GHz_Mode 2



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	225.94M	36.76	46.00	-9.24	-19.21	3	Vertical	360	1.00	-
PK	256.98M	36.27	46.00	-9.73	-15.37	3	Vertical	360	1.00	-
PK	346.22M	39.08	46.00	-6.92	-14.23	3	Vertical	360	1.00	-
PK	776.9M	42.34	46.00	-3.66	-5.78	3	Vertical	360	1.00	-
PK	951.5M	41.87	46.00	-4.13	-2.41	3	Vertical	360	1.00	-
QP	86.26M	33.62	40.00	-6.38	-22.28	3	Vertical	5	2.24	-

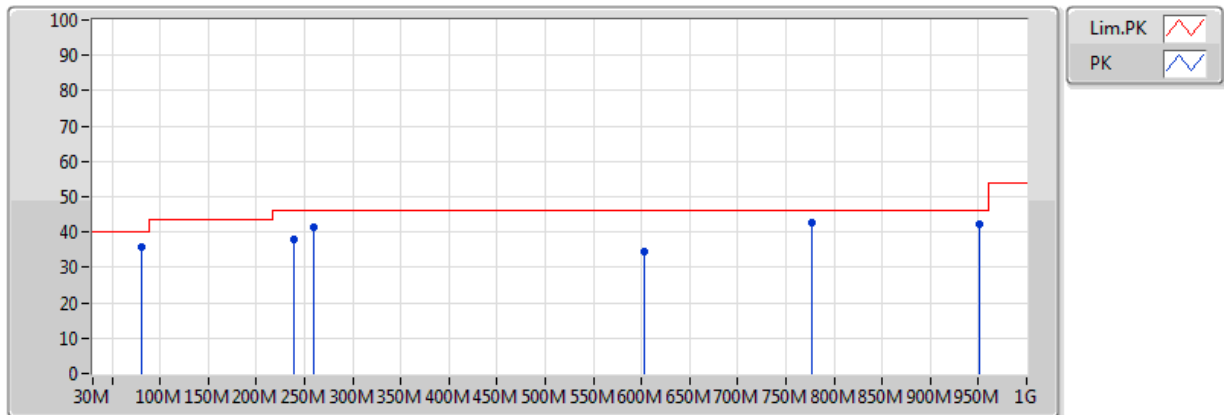
Radiated-below 1GHz_Mode 2



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	101.78M	35.48	43.50	-8.02	-20.12	3	Horizontal	0	1.00	-
PK	266.68M	29.71	46.00	-16.29	-15.28	3	Horizontal	0	1.00	-
PK	303.54M	32.64	46.00	-13.36	-15.29	3	Horizontal	0	1.00	-
PK	804.06M	40.82	46.00	-5.18	-5.62	3	Horizontal	0	1.00	-
PK	951.5M	40.62	46.00	-5.38	-2.41	3	Horizontal	0	1.00	-
QP	776.9M	38.10	46.00	-7.90	-5.78	3	Horizontal	231	1.20	-

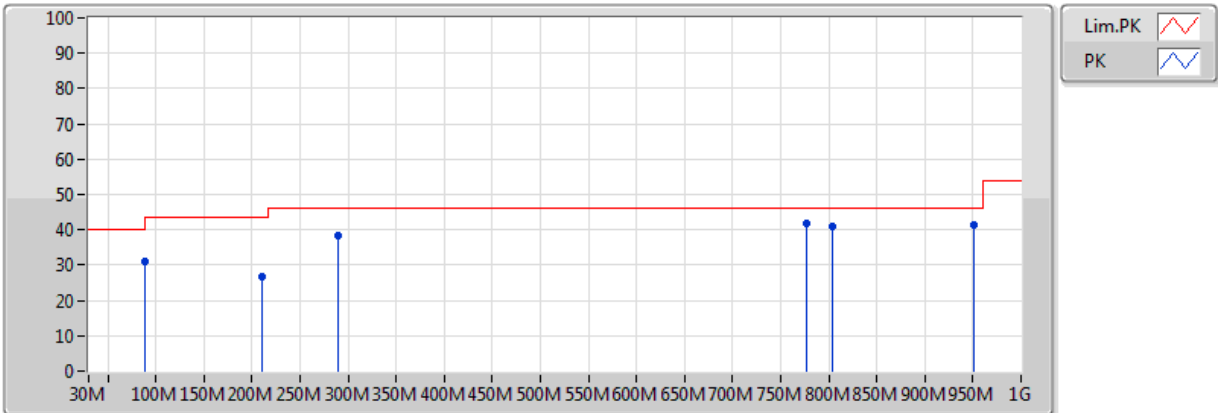
Radiated-below 1GHz_Mode 3



EUT = Z axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	81.41M	35.96	40.00	-4.04	-22.96	3	Vertical	360	1.00	-
PK	259.89M	41.44	46.00	-4.56	-14.96	3	Vertical	360	1.00	-
PK	603.27M	34.32	46.00	-11.68	-8.52	3	Vertical	360	1.00	-
PK	776.9M	42.50	46.00	-3.50	-5.78	3	Vertical	360	1.00	-
PK	951.5M	42.43	46.00	-3.57	-2.41	3	Vertical	360	1.00	-
QP	238.55M	38.12	46.00	-7.88	-17.93	3	Vertical	333	1.00	-

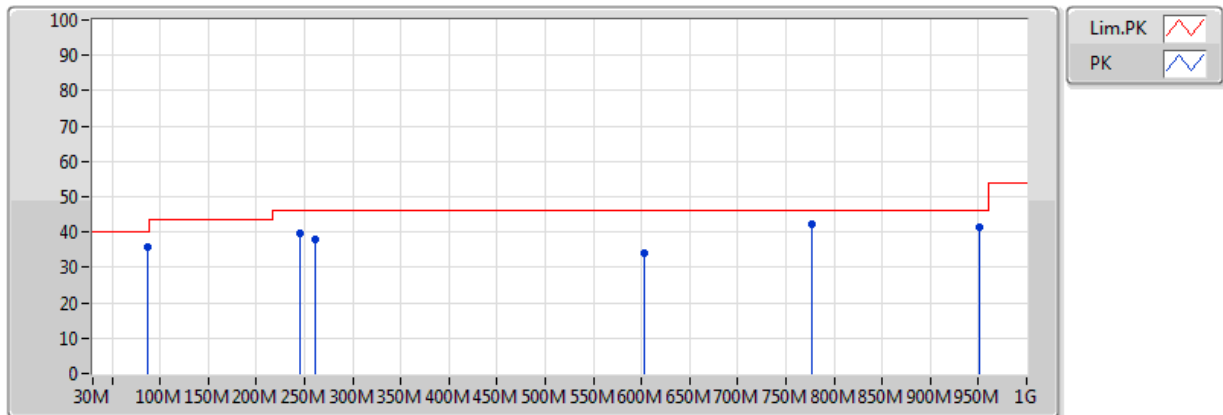
Radiated-below 1GHz_Mode 3



EUT = Z axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	88.2M	30.94	43.50	-12.56	-21.97	3	Horizontal	0	1.00	-
PK	210.42M	26.68	43.50	-16.82	-19.96	3	Horizontal	0	1.00	-
PK	289.96M	38.54	46.00	-7.46	-15.65	3	Horizontal	0	1.00	-
PK	776.9M	41.91	46.00	-4.09	-5.78	3	Horizontal	0	1.00	-
PK	804.06M	40.76	46.00	-5.24	-5.62	3	Horizontal	0	1.00	-
PK	951.5M	41.40	46.00	-4.60	-2.41	3	Horizontal	0	1.00	-

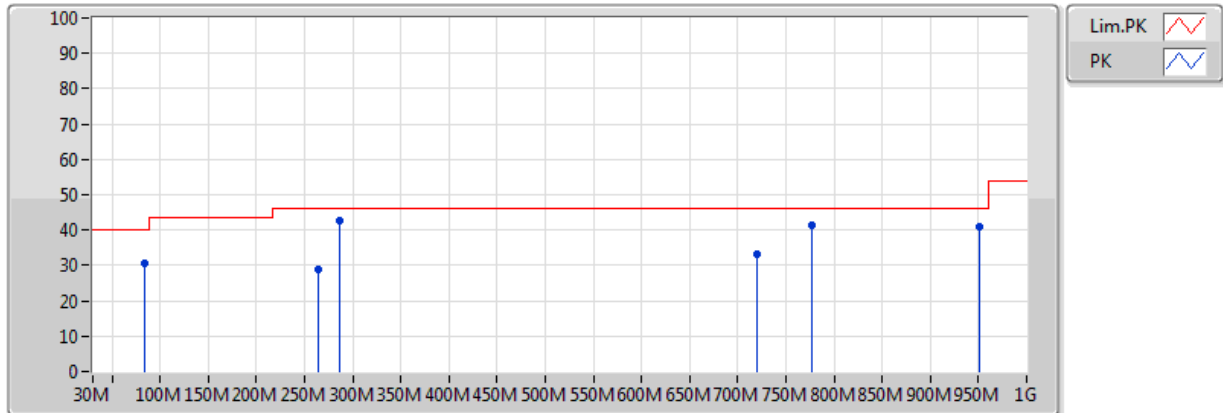
Radiated-below 1GHz_Mode 4



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	86.26M	35.66	40.00	-4.34	-22.28	3	Vertical	360	1.00	-
PK	245.34M	39.83	46.00	-6.17	-17.03	3	Vertical	360	1.00	-
PK	260.86M	37.87	46.00	-8.13	-14.98	3	Vertical	360	1.00	-
PK	602.3M	33.94	46.00	-12.06	-8.55	3	Vertical	360	1.00	-
PK	776.9M	42.07	46.00	-3.93	-5.78	3	Vertical	360	1.00	-
PK	951.5M	41.26	46.00	-4.74	-2.41	3	Vertical	360	1.00	-

Radiated-below 1GHz_Mode 4



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	84.32M	30.42	40.00	-9.58	-22.57	3	Horizontal	0	1.00	-
PK	264.74M	28.93	46.00	-17.07	-15.18	3	Horizontal	0	1.00	-
PK	286.08M	42.78	46.00	-3.22	-15.78	3	Horizontal	0	1.00	-
PK	720.64M	33.19	46.00	-12.81	-7.04	3	Horizontal	0	1.00	-
PK	776.9M	41.20	46.00	-4.80	-5.78	3	Horizontal	0	1.00	-
PK	951.5M	40.96	46.00	-5.04	-2.41	3	Horizontal	0	1.00	-

Summary

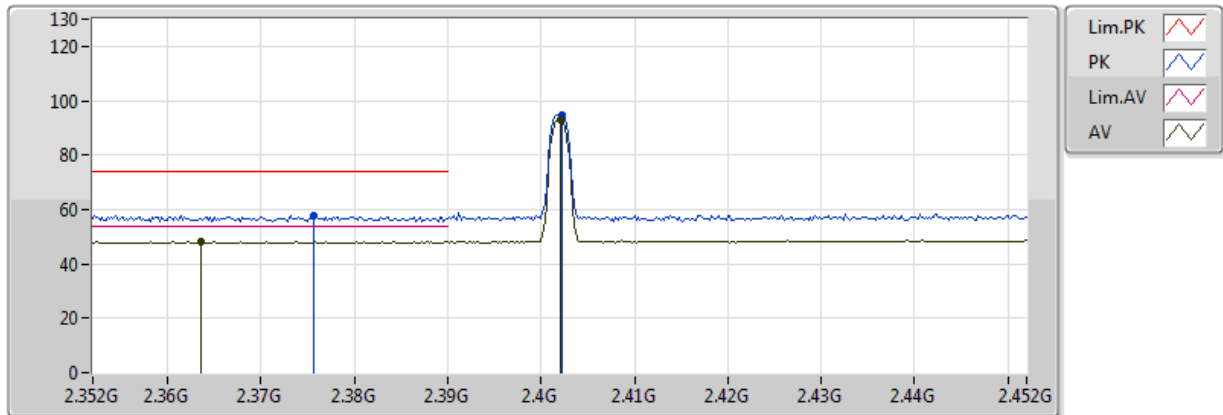
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	4.88G	52.78	54.00	-1.22	2.56	3	H	333	1.87	-

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	2.3624G	48.09	54.00	-5.91	31.06	3	H	340	2.23	-
2402MHz	Pass	AV	2.402G	95.45	Inf	-Inf	31.22	3	H	340	2.23	-
2402MHz	Pass	PK	2.3692G	57.62	74.00	-16.38	31.09	3	H	340	2.23	-
2402MHz	Pass	PK	2.4022G	97.13	Inf	-Inf	31.22	3	H	340	2.23	-
2402MHz	Pass	AV	2.3636G	48.20	54.00	-5.80	31.07	3	V	31	1.49	-
2402MHz	Pass	AV	2.402G	93.06	Inf	-Inf	31.22	3	V	31	1.49	-
2402MHz	Pass	PK	2.3756G	57.90	74.00	-16.10	31.11	3	V	31	1.49	-
2402MHz	Pass	PK	2.4022G	94.66	Inf	-Inf	31.22	3	V	31	1.49	-
2402MHz	Pass	AV	4.804G	52.68	54.00	-1.32	2.46	3	H	315	1.79	-
2402MHz	Pass	PK	4.804G	58.15	74.00	-15.85	2.46	3	H	315	1.79	-
2402MHz	Pass	AV	4.804G	45.04	54.00	-8.96	2.46	3	V	31	1.81	-
2402MHz	Pass	PK	4.804G	52.48	74.00	-21.52	2.46	3	V	31	1.81	-
2440MHz	Pass	AV	2.3748G	47.70	54.00	-6.30	31.11	3	H	352	3.38	-
2440MHz	Pass	AV	2.44G	98.87	Inf	-Inf	31.36	3	H	352	3.38	-
2440MHz	Pass	AV	2.4996G	48.48	54.00	-5.52	31.59	3	H	352	3.38	-
2440MHz	Pass	PK	2.3864G	57.19	74.00	-16.81	31.16	3	H	352	3.38	-
2440MHz	Pass	PK	2.4396G	100.30	Inf	-Inf	31.36	3	H	352	3.38	-
2440MHz	Pass	PK	2.4956G	57.96	74.00	-16.04	31.57	3	H	352	3.38	-
2440MHz	Pass	AV	2.3868G	47.95	54.00	-6.05	31.16	3	V	73	3.05	-
2440MHz	Pass	AV	2.44G	97.04	Inf	-Inf	31.36	3	V	73	3.05	-
2440MHz	Pass	AV	2.4956G	48.34	54.00	-5.66	31.57	3	V	73	3.05	-
2440MHz	Pass	PK	2.3524G	57.94	74.00	-16.06	31.02	3	V	73	3.05	-
2440MHz	Pass	PK	2.4396G	98.71	Inf	-Inf	31.36	3	V	73	3.05	-
2440MHz	Pass	PK	2.498G	57.97	74.00	-16.03	31.58	3	V	73	3.05	-
2440MHz	Pass	AV	4.88G	52.78	54.00	-1.22	2.56	3	H	333	1.87	-
2440MHz	Pass	PK	4.88G	57.73	74.00	-16.27	2.56	3	H	333	1.87	-
2440MHz	Pass	AV	4.88G	48.35	54.00	-5.65	2.56	3	V	69	3.69	-
2440MHz	Pass	PK	4.88G	54.03	74.00	-19.97	2.56	3	V	69	3.69	-
2480MHz	Pass	AV	2.48G	102.86	Inf	-Inf	31.51	3	H	357	3.69	-
2480MHz	Pass	AV	2.484G	48.63	54.00	-5.37	31.53	3	H	357	3.69	-
2480MHz	Pass	PK	2.4798G	104.45	Inf	-Inf	31.51	3	H	357	3.69	-
2480MHz	Pass	PK	2.4998G	58.27	74.00	-15.73	31.59	3	H	357	3.69	-
2480MHz	Pass	AV	2.48G	100.25	Inf	-Inf	31.51	3	V	73	3.69	-
2480MHz	Pass	AV	2.4878G	48.57	54.00	-5.43	31.54	3	V	73	3.69	-
2480MHz	Pass	PK	2.4798G	101.79	Inf	-Inf	31.51	3	V	73	3.69	-
2480MHz	Pass	PK	2.49G	57.96	74.00	-16.04	31.55	3	V	73	3.69	-
2480MHz	Pass	AV	4.96G	52.78	54.00	-1.22	2.68	3	H	338	1.82	-
2480MHz	Pass	PK	4.96G	57.78	74.00	-16.22	2.68	3	H	338	1.82	-
2480MHz	Pass	AV	4.96G	50.72	54.00	-3.28	2.68	3	V	104	3.39	-
2480MHz	Pass	PK	4.96G	55.12	74.00	-18.88	2.68	3	V	104	3.39	-

BT-LE(1Mbps)

2402MHz_TX

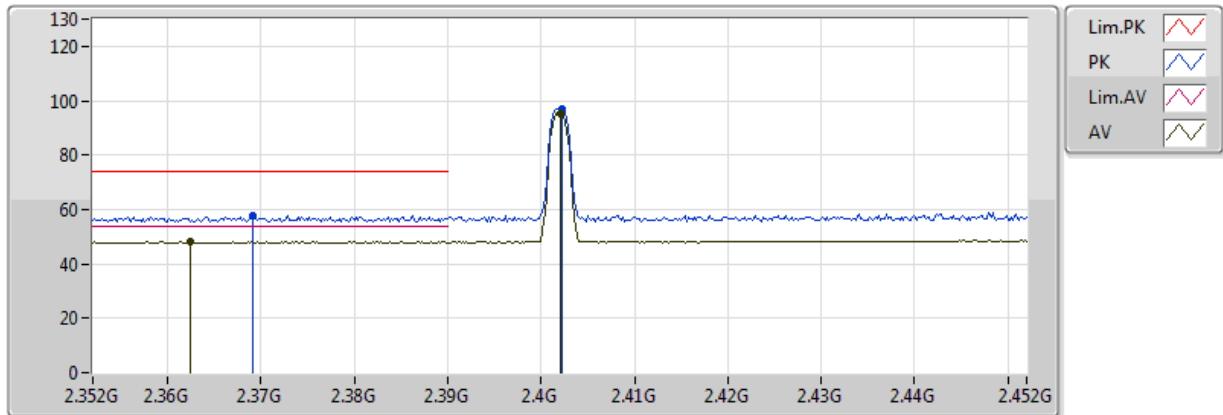


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3636G	48.20	54.00	-5.80	31.07	3	V	31	1.49	-
AV	2.402G	93.06	Inf	-Inf	31.22	3	V	31	1.49	-
PK	2.3756G	57.90	74.00	-16.10	31.11	3	V	31	1.49	-
PK	2.4022G	94.66	Inf	-Inf	31.22	3	V	31	1.49	-

BT-LE(1Mbps)

2402MHz_TX

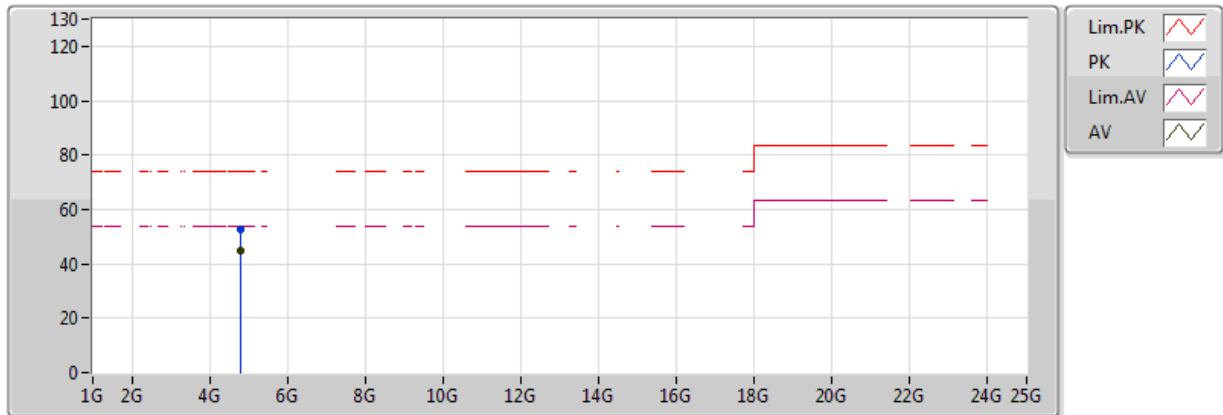


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3624G	48.09	54.00	-5.91	31.06	3	H	340	2.23	-
AV	2.402G	95.45	Inf	-Inf	31.22	3	H	340	2.23	-
PK	2.3692G	57.62	74.00	-16.38	31.09	3	H	340	2.23	-
PK	2.4022G	97.13	Inf	-Inf	31.22	3	H	340	2.23	-

BT-LE(1Mbps)

2402MHz_TX

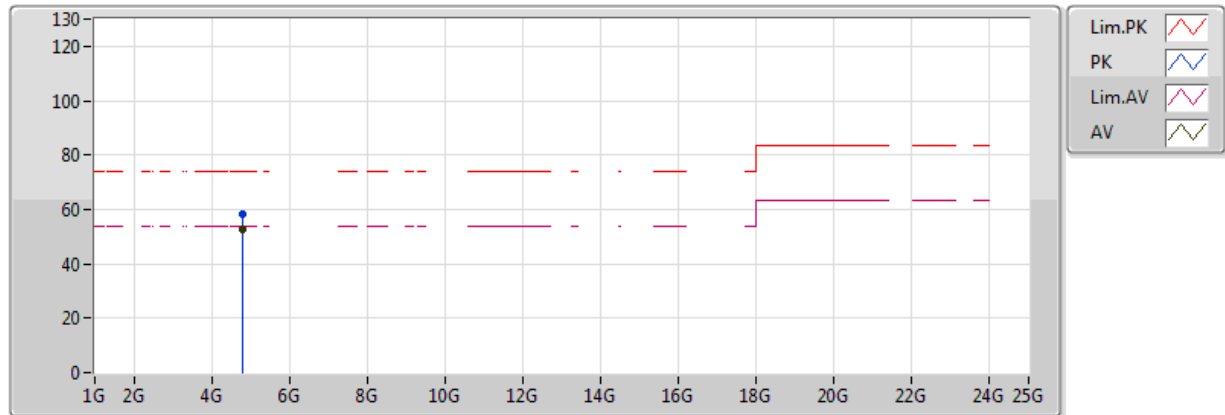


EUT=Y axis with Stand

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	45.04	54.00	-8.96	2.46	3	V	31	1.81	-
PK	4.804G	52.48	74.00	-21.52	2.46	3	V	31	1.81	-

BT-LE(1Mbps)

2402MHz_TX

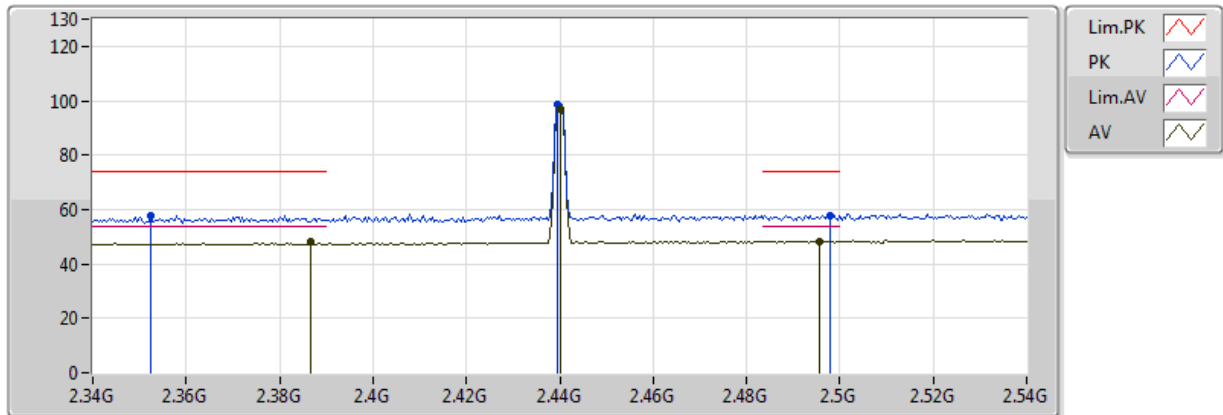


EUT=Y axis with Stand

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	52.68	54.00	-1.32	2.46	3	H	315	1.79	-
PK	4.804G	58.15	74.00	-15.85	2.46	3	H	315	1.79	-

BT-LE(1Mbps)

2440MHz_TX

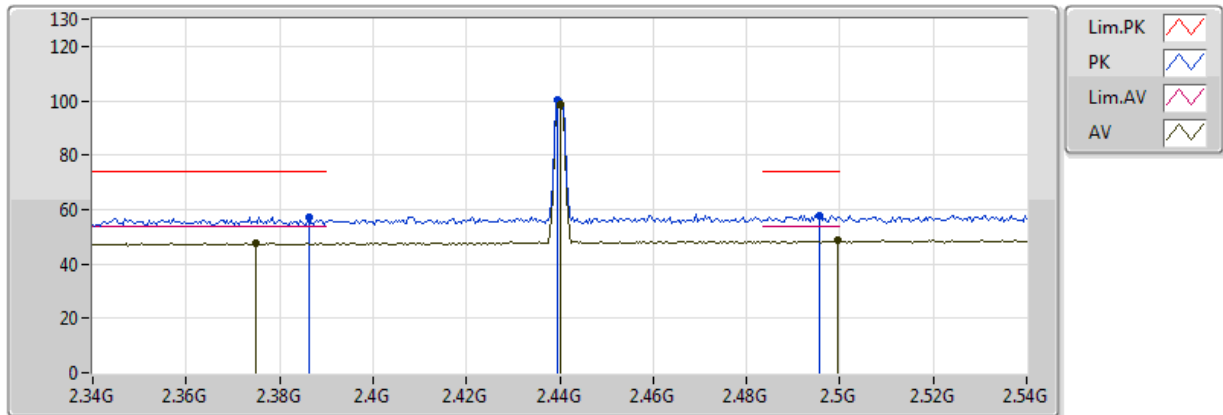


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3868G	47.95	54.00	-6.05	31.16	3	V	73	3.05	-
AV	2.44G	97.04	Inf	-Inf	31.36	3	V	73	3.05	-
AV	2.4956G	48.34	54.00	-5.66	31.57	3	V	73	3.05	-
PK	2.3524G	57.94	74.00	-16.06	31.02	3	V	73	3.05	-
PK	2.4396G	98.71	Inf	-Inf	31.36	3	V	73	3.05	-
PK	2.498G	57.97	74.00	-16.03	31.58	3	V	73	3.05	-

BT-LE(1Mbps)

2440MHz_TX

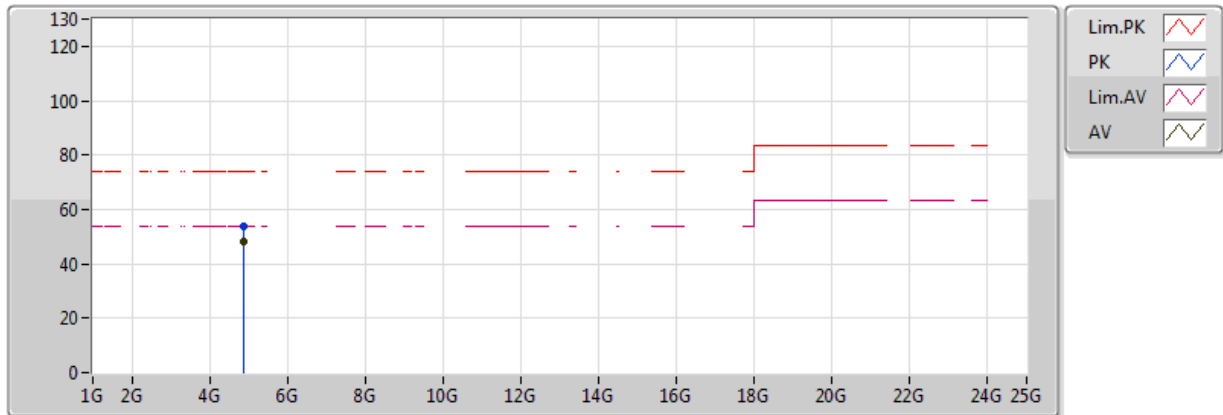


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3748G	47.70	54.00	-6.30	31.11	3	H	352	3.38	-
AV	2.44G	98.87	Inf	-Inf	31.36	3	H	352	3.38	-
AV	2.4996G	48.48	54.00	-5.52	31.59	3	H	352	3.38	-
PK	2.3864G	57.19	74.00	-16.81	31.16	3	H	352	3.38	-
PK	2.4396G	100.30	Inf	-Inf	31.36	3	H	352	3.38	-
PK	2.4956G	57.96	74.00	-16.04	31.57	3	H	352	3.38	-

BT-LE(1Mbps)

2440MHz_TX

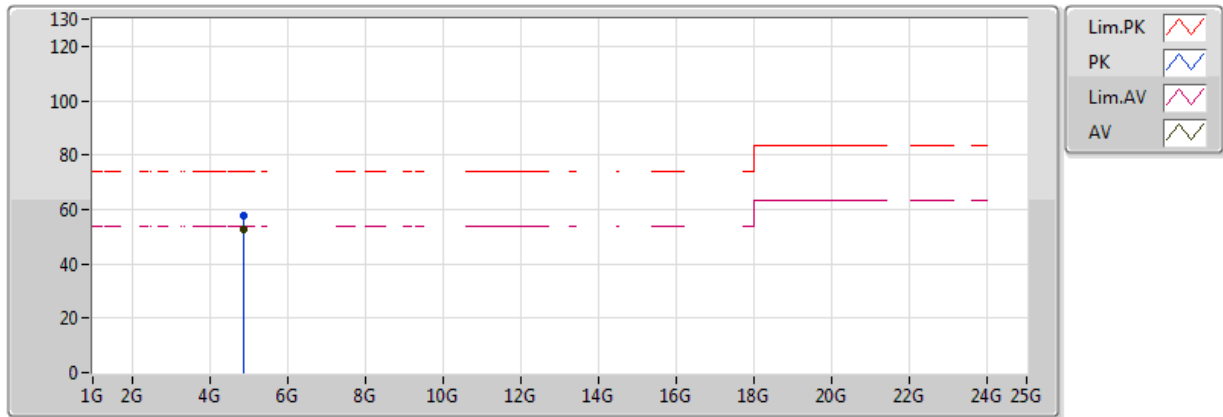


EUT=Y axis with Stand

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	48.35	54.00	-5.65	2.56	3	V	69	3.69	-
PK	4.88G	54.03	74.00	-19.97	2.56	3	V	69	3.69	-

BT-LE(1Mbps)

2440MHz_TX

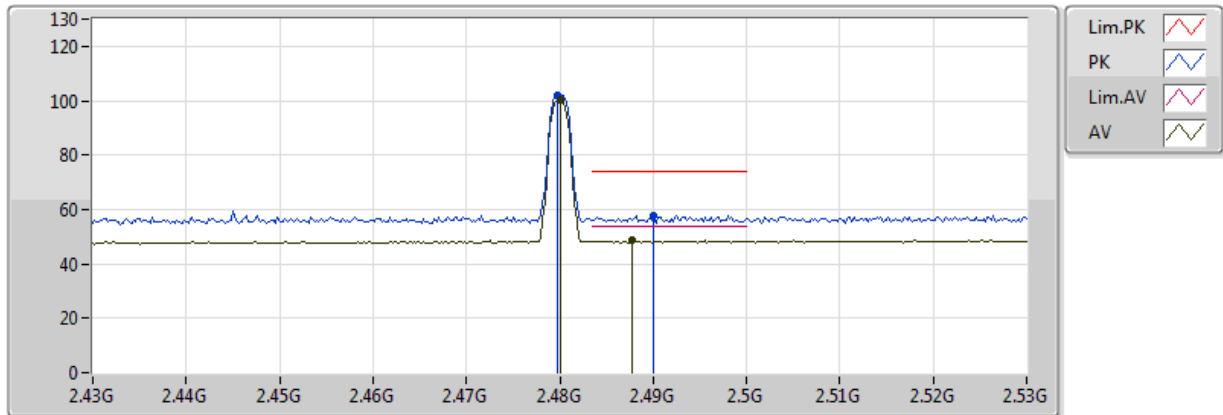


EUT=Y axis with Stand

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	52.78	54.00	-1.22	2.56	3	H	333	1.87	-
PK	4.88G	57.73	74.00	-16.27	2.56	3	H	333	1.87	-

BT-LE(1Mbps)

2480MHz_TX

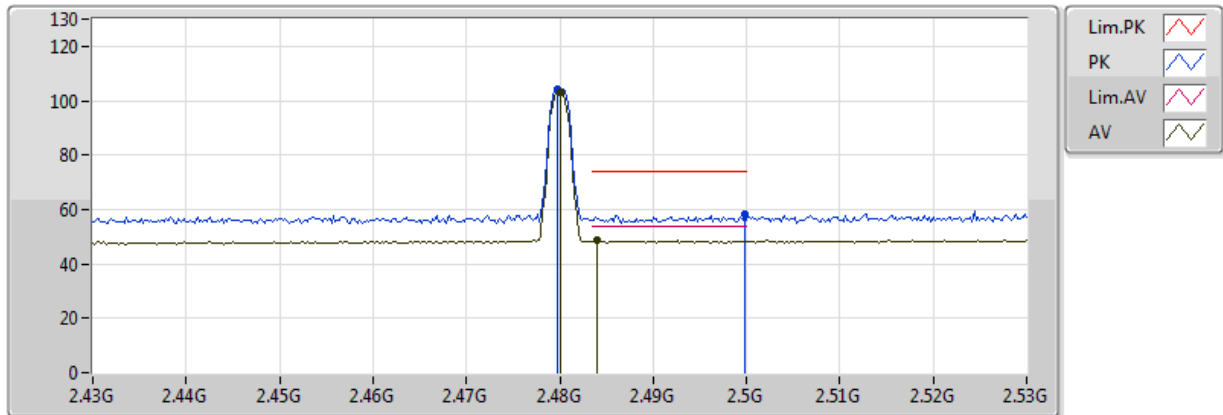


EUT=Y axis with Stand

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	100.25	Inf	-Inf	31.51	3	V	73	3.69	-
AV	2.4878G	48.57	54.00	-5.43	31.54	3	V	73	3.69	-
PK	2.4798G	101.79	Inf	-Inf	31.51	3	V	73	3.69	-
PK	2.49G	57.96	74.00	-16.04	31.55	3	V	73	3.69	-

BT-LE(1Mbps)

2480MHz_TX

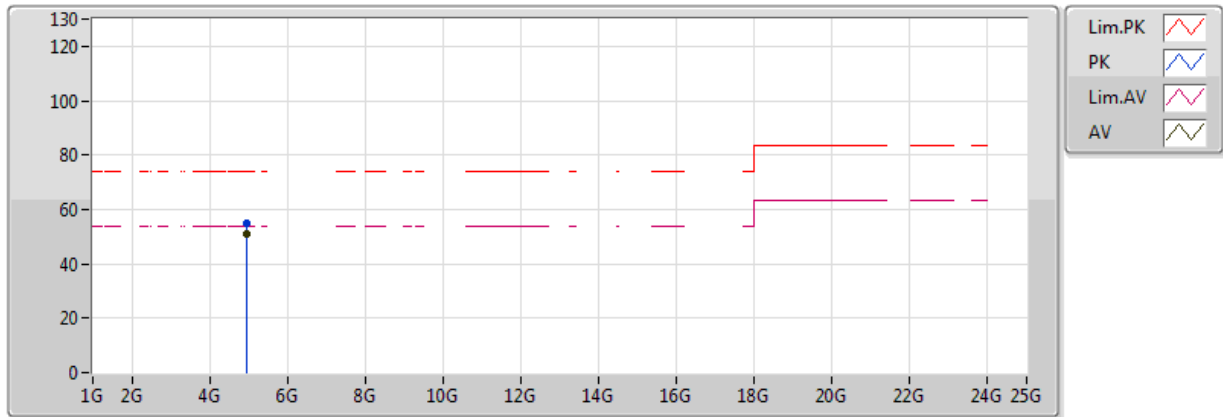


EUT=Y axis with Stand

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	102.86	Inf	-Inf	31.51	3	H	357	3.69	-
AV	2.484G	48.63	54.00	-5.37	31.53	3	H	357	3.69	-
PK	2.4798G	104.45	Inf	-Inf	31.51	3	H	357	3.69	-
PK	2.4998G	58.27	74.00	-15.73	31.59	3	H	357	3.69	-

BT-LE(1Mbps)

2480MHz_TX

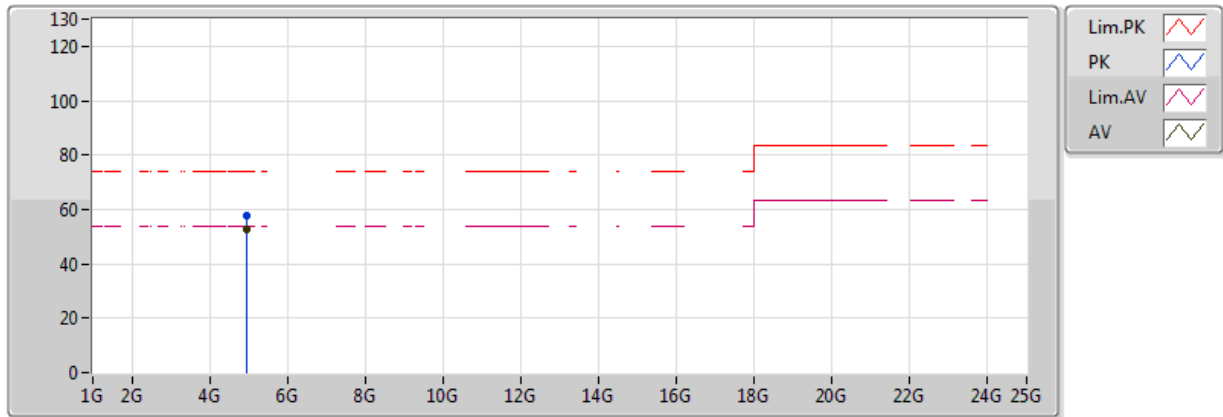


EUT=Y axis with Stand

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	50.72	54.00	-3.28	2.68	3	V	104	3.39	-
PK	4.96G	55.12	74.00	-18.88	2.68	3	V	104	3.39	-

BT-LE(1Mbps)

2480MHz_TX



EUT=Y axis with Stand

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	52.78	54.00	-1.22	2.68	3	H	338	1.82	-
PK	4.96G	57.78	74.00	-16.22	2.68	3	H	338	1.82	-