

FCC Test Report

Equipment : Lyric™ C2 Wi-Fi® Camera
Brand Name : Honeywell
Model No. : LYRICC2
FCC ID : CFS8DLLYRICC2
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
Function : ☐ Point-to-multipoint; ☒ Point-to-point
Applicant : Honeywell International Inc.
2 Corporate Center Drive, 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 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
SPORTON INTERNATIONAL INC.



Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Testing Applied Standards	6
1.3	Testing Location Information	6
1.4	Measurement Uncertainty	6
2	TEST CONFIGURATION OF EUT.....	7
2.1	Test Condition	7
2.2	Test Channel Mode	7
2.3	The Worst Case Measurement Configuration.....	8
2.4	Accessories	9
2.5	Support Equipment.....	9
2.6	Test Setup Diagram	10
3	TRANSMITTER TEST RESULT	12
3.1	AC Power-line Conducted Emissions	12
3.2	DTS Bandwidth.....	13
3.3	Maximum Conducted Output Power	14
3.4	Power Spectral Density	16
3.5	Emissions in Non-restricted Frequency Bands	17
3.6	Emissions in Restricted Frequency Bands.....	18
4	TEST EQUIPMENT AND CALIBRATION DATA	22
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS		
APPENDIX B. TEST RESULTS OF DTS BANDWIDTH		
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER		
APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY		
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS		
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS		
APPENDIX G. TEST PHOTOS		
PHOTOGRAPHS OF EUT V01		

Summary of Test Result

Conformance Test Specifications				
Report Clause	Ref. Std. Clause	Description	Limit	Result
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	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)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX
2.4-2.4835GHz	802.11n HT40	40	1TX

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	LYNwave	ALX17F-222XX2=00	PCB	I-PEX	5.5

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
Beamforming Function	☐ With beamforming	☒ Without beamforming	
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) $\geq 1/T$
802.11b	0.995	0.022	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.997	0.013	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT20	0.993	0.031	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT40	0.999	0.004	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

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 v04

1.3 Testing Location Information

Testing Location				
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)		
		TEL : 886-3-327-3456	FAX : 886-3-327-0973	
Test site Designation No. 553509 with FCC.				
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)		
		TEL : 886-3-656-9065	FAX : 886-3-656-9085	
Test site Designation No. TW0006 with FCC.				

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	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 Version	MP_TEST RTL819X3.4
-----------------------	--------------------

Mode	Power Setting
802.11b_(1Mbps)_1TX	-
2412MHz	48
2437MHz	48
2462MHz	48
802.11g_(6Mbps)_1TX	-
2412MHz	39
2437MHz	59
2462MHz	41
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	38
2437MHz	59
2462MHz	41
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	36
2437MHz	42
2452MHz	38

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	missions 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

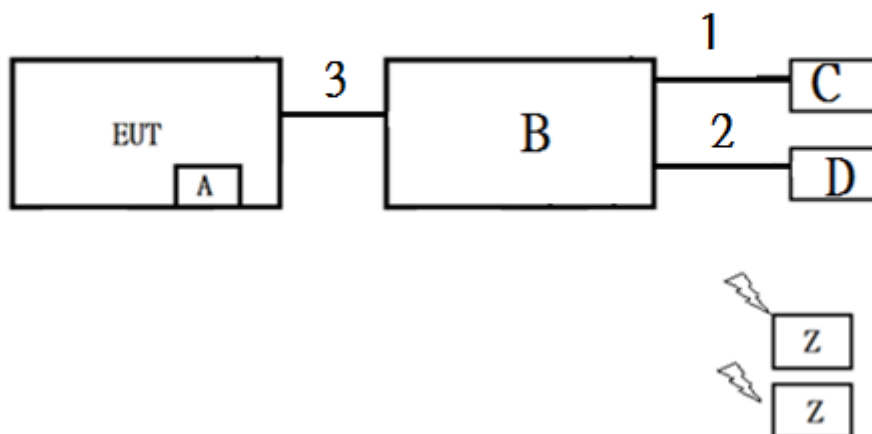
Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	AC Power source	-	-	-

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

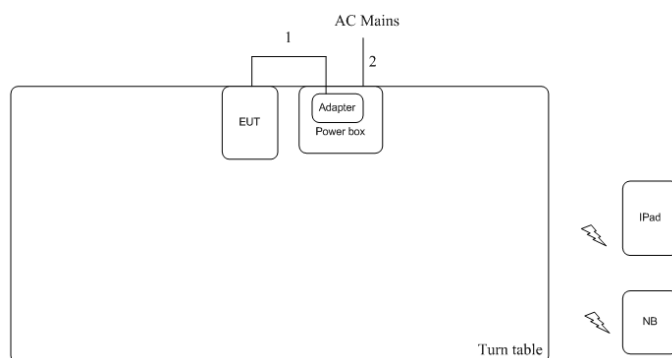
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test

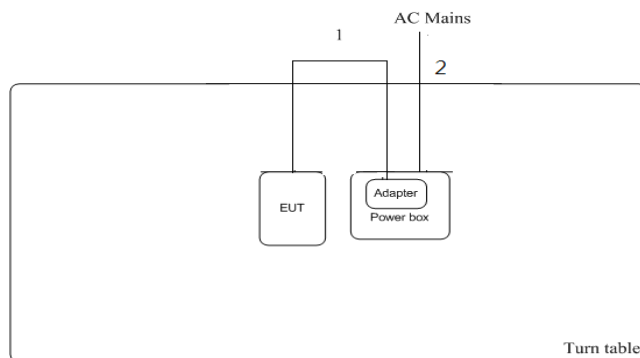


Item	Location Peripheral	Brand	Model
A	SD Card	Transcend	8GB
B	Notebook	Dell	E5430
C	Mouse	Microsoft	1113
D	iPod nano	Apple	A1199
Z	Notebook*2	DELL	P55G

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.

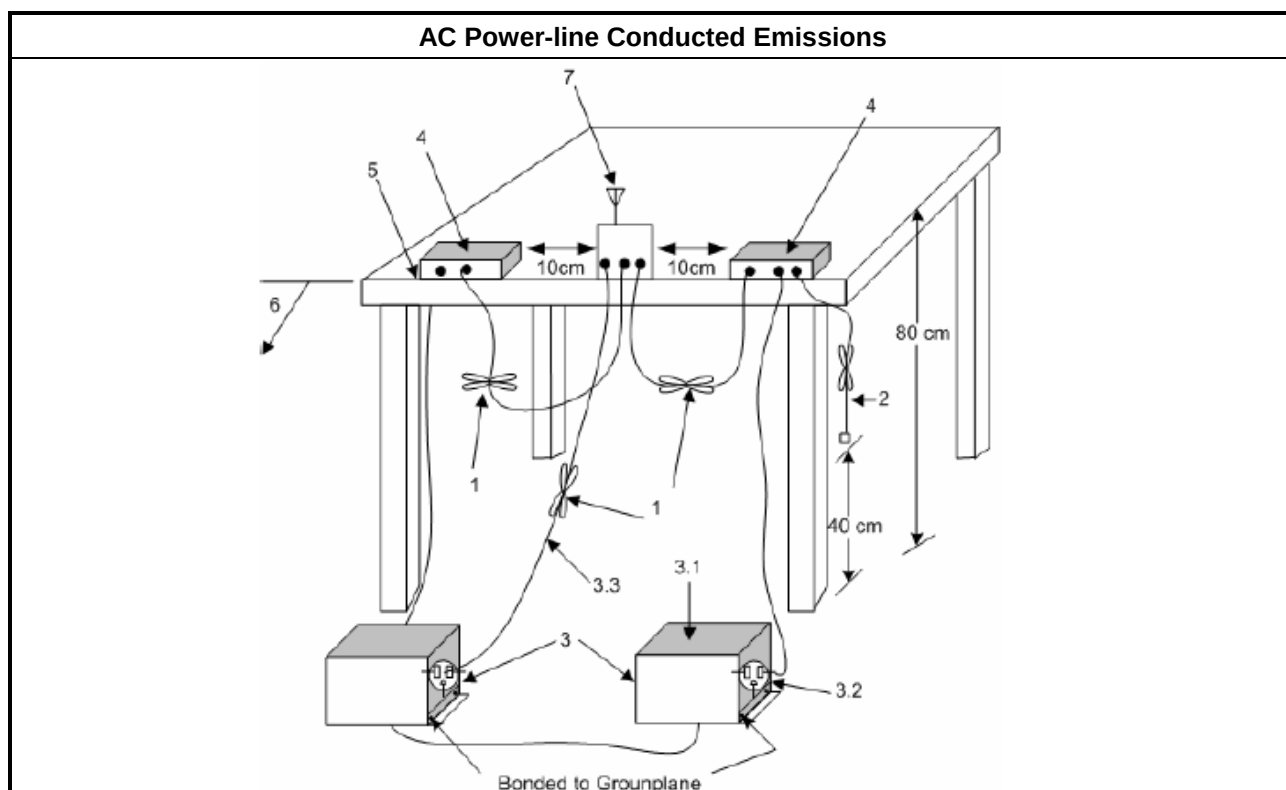
3.1.2 Measuring Instruments

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 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

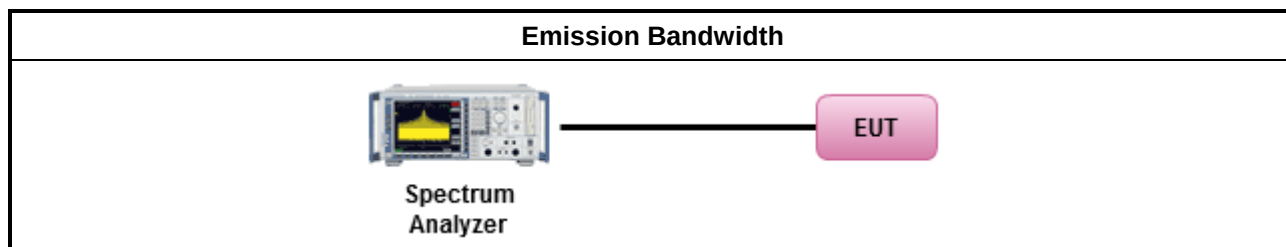
3.2.2 Measuring Instruments

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 8.1 Option 1 for 6 dB bandwidth measurement.
☐	Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



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.		

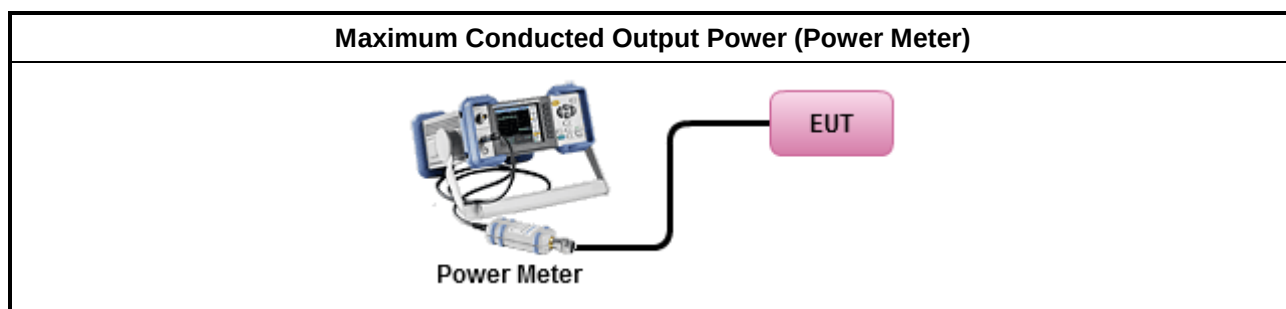
3.3.2 Measuring Instruments

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 9.1.1 Option 1 (RBW ≥ EBW method).
☐	Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)
☐	Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)
Maximum Average Conducted Output Power	
Duty cycle ≥ 98%	
☐	Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
Duty cycle < 98%	
☐	Refer as KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
RF power meter and average over on/off periods with duty factor or gated trigger	
☒	Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (using an RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (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) $\leq$ 8 dBm/3kHz

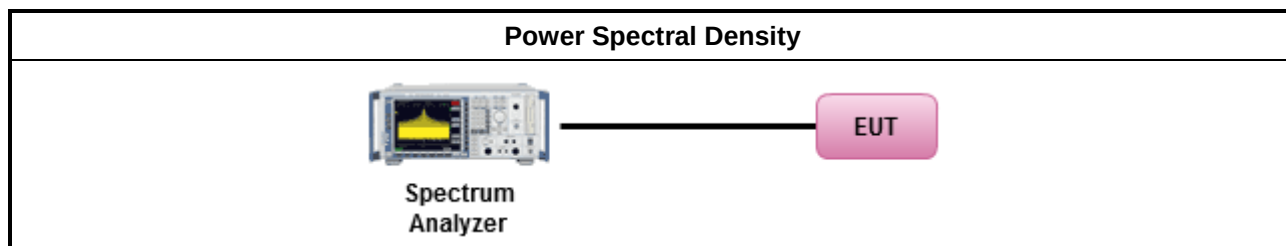
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



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.	

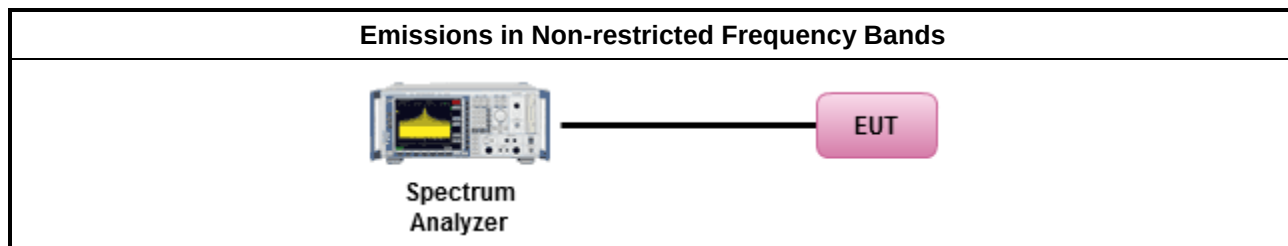
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as KDB 558074, clause 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.

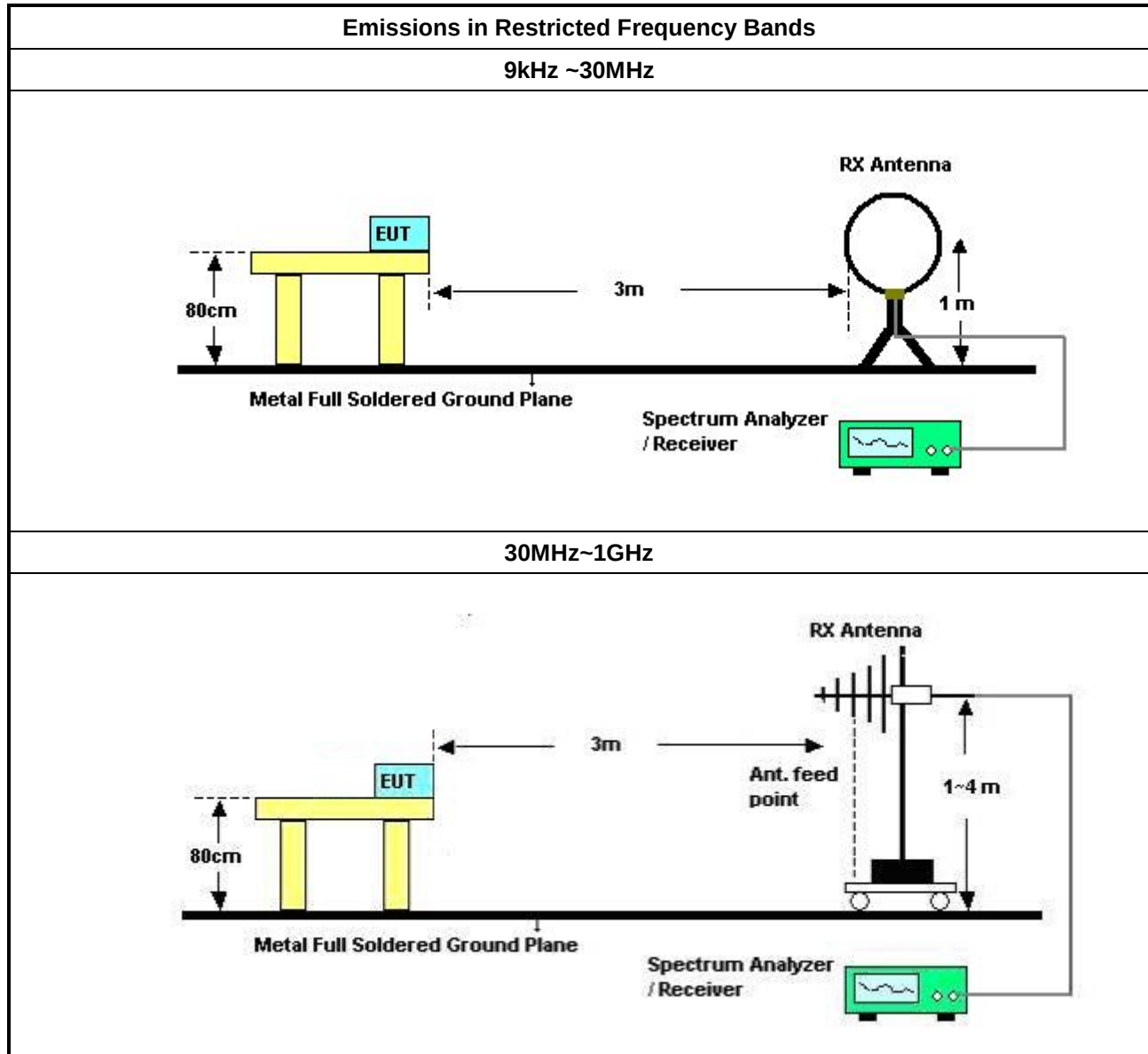
3.6.2 Measuring Instruments

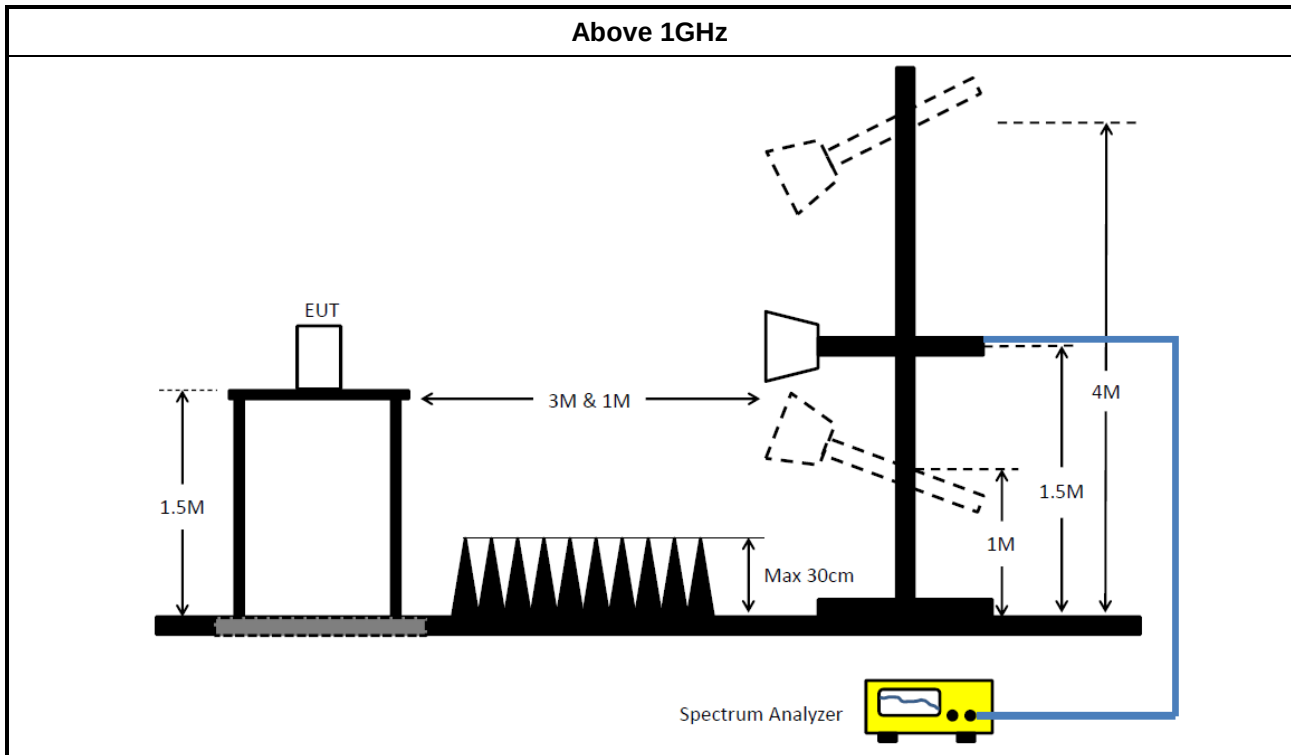
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

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

3.6.4 Test Setup





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	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
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	20/Oct/2016	19/Oct/2017

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	24/04/2018
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	25/Apr/2017	24/04/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	04/Jul/2016	03/07/2017
Bilog Antenna	TESEQ	CBL 6111D	35418	30MHz~1GHz	01/Oct/2016	30/09/2017
Loop Antenna	R&S	HFH2-Z2	100330	9 kHz~30 MHz	10/Nov/2016	09/11/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	23/Jul/2016	22/Jul/2017

Instrument for Radiated Test Above 1G

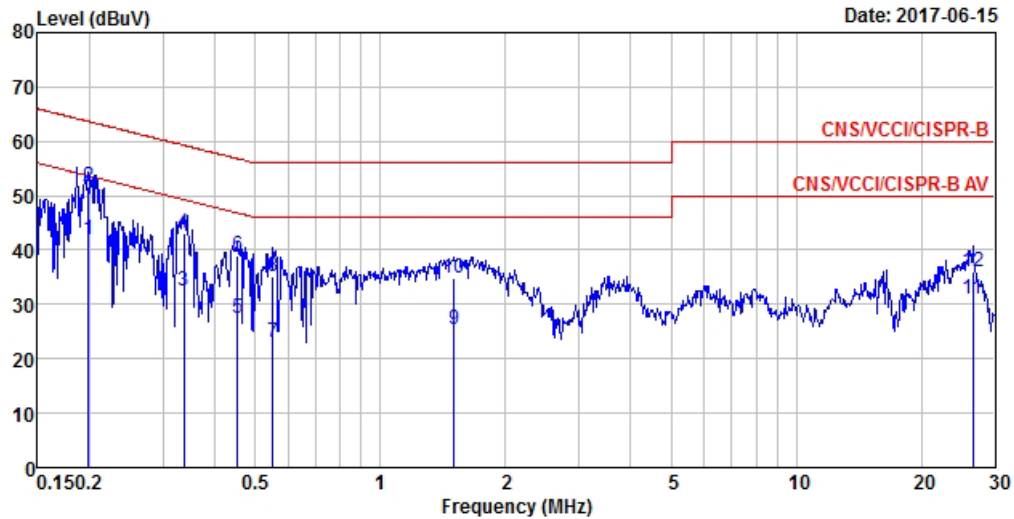
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	21/Jun/2016	20/Jun/2017
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	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	BBHA917061 4	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		



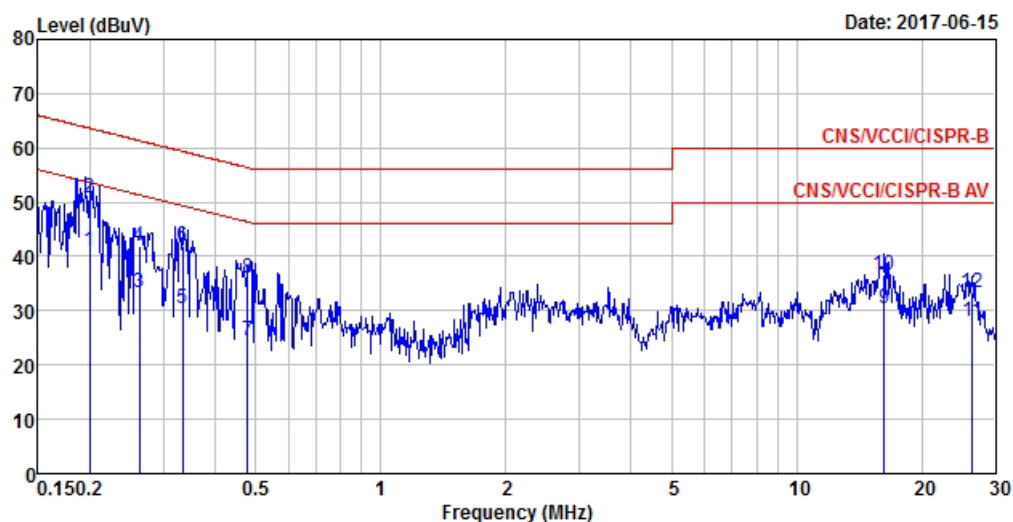
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	MAX	0.20	41.84	-11.83	53.67	31.89	9.65	0.30 Average
2		0.20	51.54	-12.13	63.67	41.59	9.65	0.30 QP
3		0.34	32.60	-16.67	49.27	22.78	9.67	0.15 Average
4		0.34	43.19	-16.08	59.27	33.37	9.67	0.15 QP
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	LISM 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)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	10.075M	14.968M	15M0G1D	10.05M	14.893M
802.11g_(6Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	16.475M	16.567M	16M6D1D	16.45M	16.442M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	17.575M	23.513M	23M5D1D	17.575M	17.516M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	36.4M	36.132M	36M1D1D	36.35M	36.032M

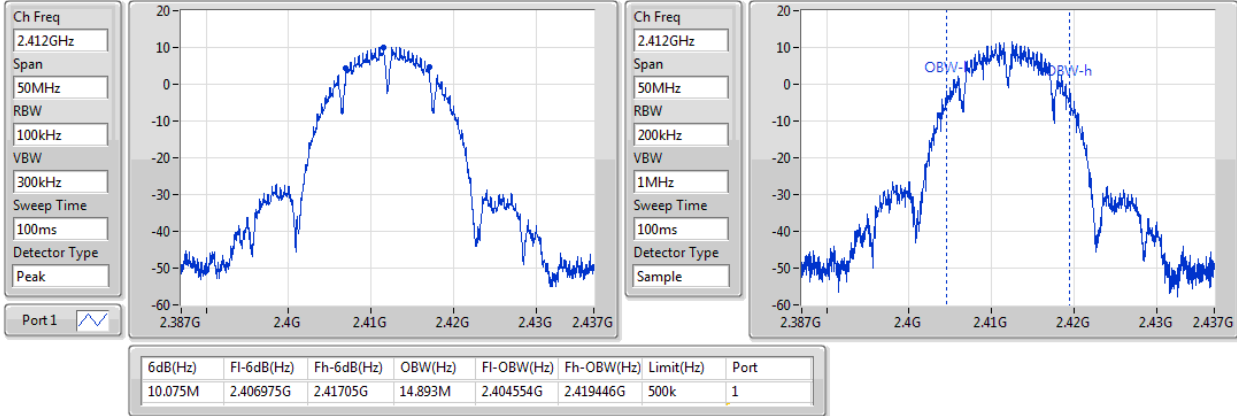
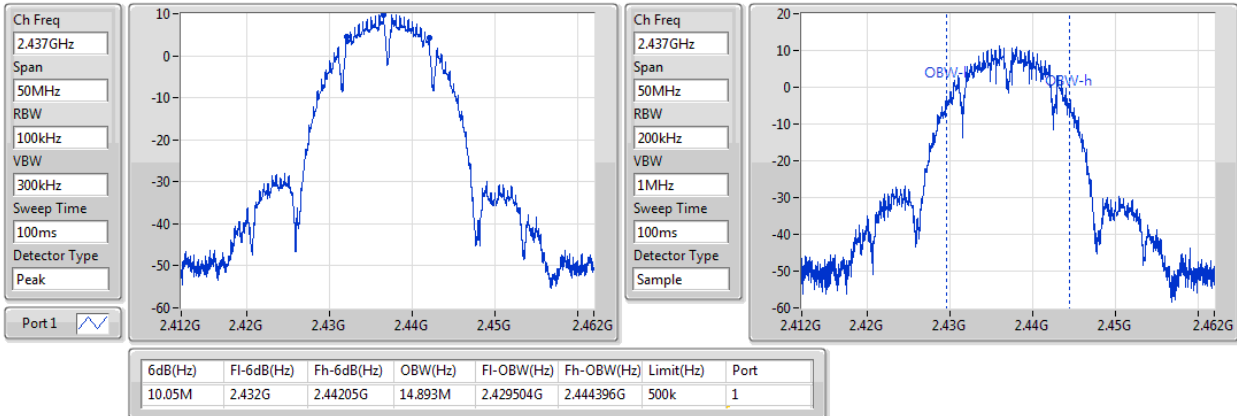
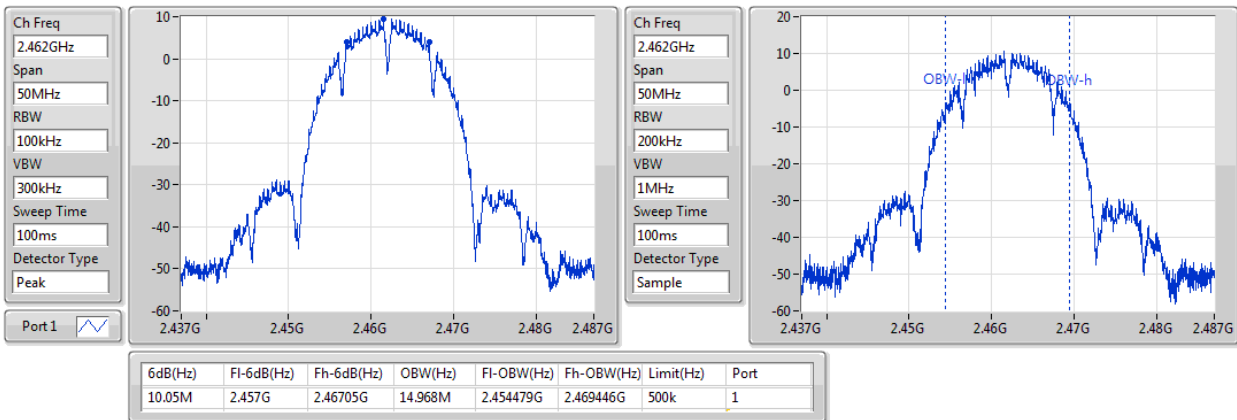
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

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)
802.11b_(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	10.075M	14.893M
2437MHz	Pass	500k	10.05M	14.893M
2462MHz	Pass	500k	10.05M	14.968M
802.11g_(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.45M	16.442M
2437MHz	Pass	500k	16.45M	16.567M
2462MHz	Pass	500k	16.475M	16.442M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.575M	17.516M
2437MHz	Pass	500k	17.575M	23.513M
2462MHz	Pass	500k	17.575M	17.516M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	36.4M	36.132M
2437MHz	Pass	500k	36.35M	36.032M
2452MHz	Pass	500k	36.4M	36.082M

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

802.11b_(1Mbps)_1TX
EBW
2412MHz

802.11b_(1Mbps)_1TX
EBW
2437MHz

802.11b_(1Mbps)_1TX
EBW
2462MHz


802.11g_(6Mbps)_1TX
EBW
2412MHz

Ch Freq
2.412GHz

Span
50MHz

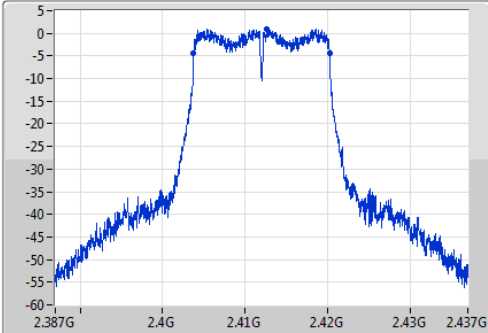
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.412GHz

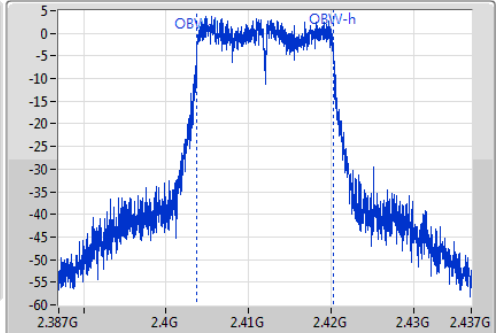
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.45M	2.403775G	2.420225G	16.442M	2.403779G	2.420221G	500k	1

802.11g_(6Mbps)_1TX
EBW
2437MHz

Ch Freq
2.437GHz

Span
50MHz

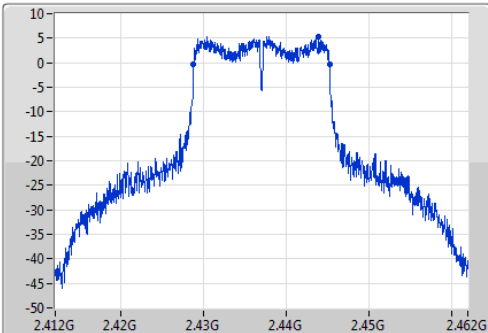
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.437GHz

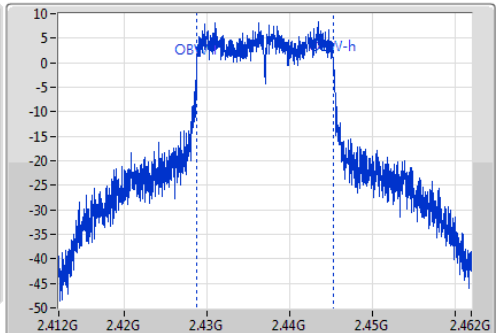
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.45M	2.428775G	2.445225G	16.567M	2.428729G	2.445296G	500k	1

802.11g_(6Mbps)_1TX
EBW
2462MHz

Ch Freq
2.462GHz

Span
50MHz

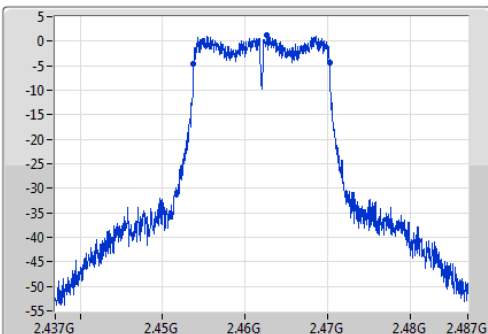
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.462GHz

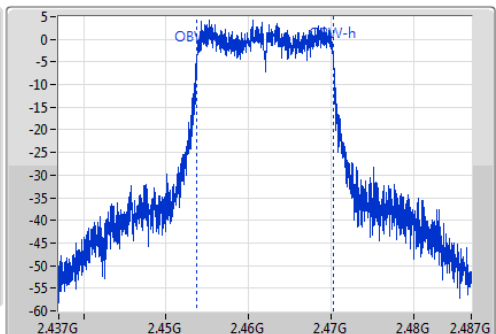
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.475M	2.45375G	2.470225G	16.442M	2.453779G	2.470221G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2412MHz

Ch Freq
2.412GHz

Span
50MHz

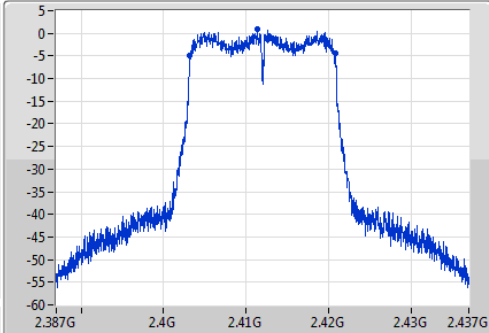
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.412GHz

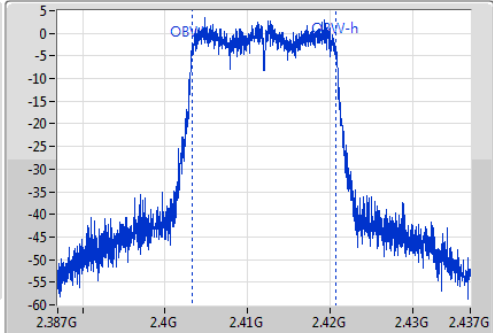
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.403225G	2.4208G	17.516M	2.403254G	2.420771G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2437MHz

Ch Freq
2.437GHz

Span
50MHz

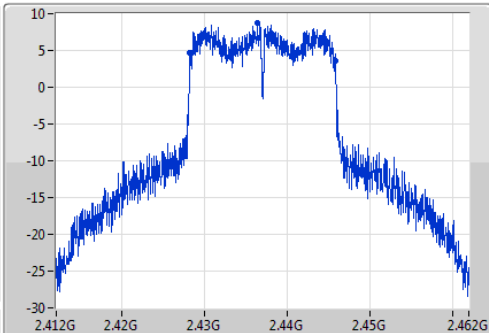
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.437GHz

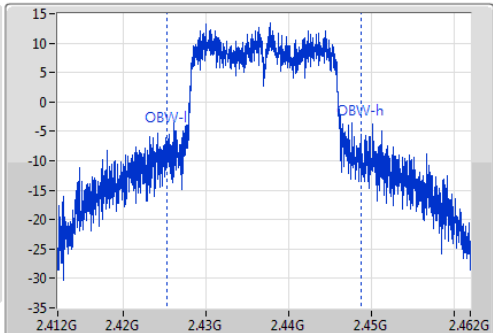
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.428225G	2.4458G	23.513M	2.425231G	2.448744G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2462MHz

Ch Freq
2.462GHz

Span
50MHz

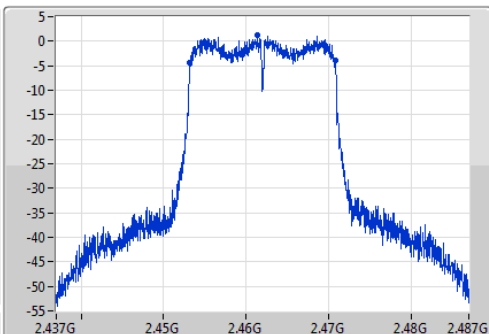
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.462GHz

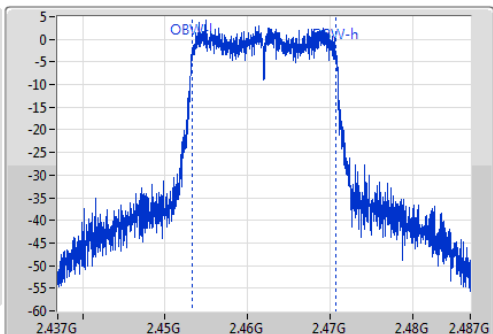
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.453225G	2.4708G	17.516M	2.453254G	2.470771G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX
EBW
2422MHz

Ch Freq
2.422GHz

Span
100MHz

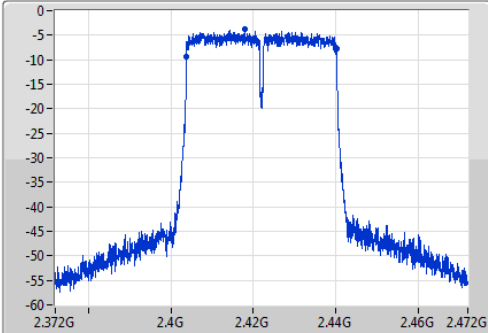
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.422GHz

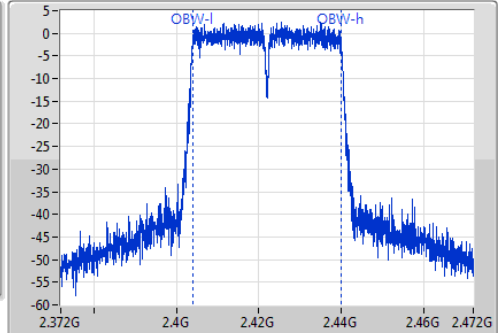
Span
100MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	2.4038G	2.4402G	36.132M	2.403909G	2.440041G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX
EBW
2437MHz

Ch Freq
2.437GHz

Span
100MHz

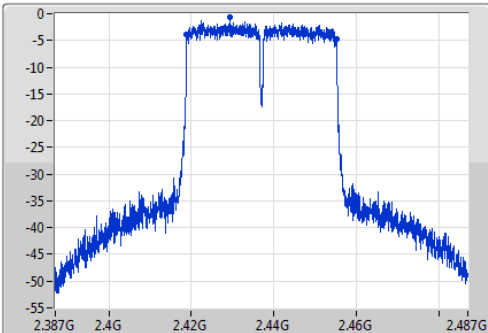
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.437GHz

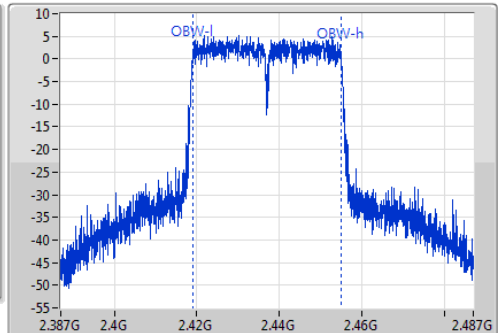
Span
100MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.41885G	2.4552G	36.032M	2.418959G	2.454991G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX
EBW
2452MHz

Ch Freq
2.452GHz

Span
100MHz

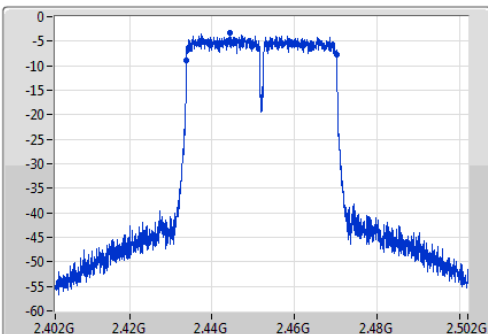
RBW
100kHz

VBW
300kHz

Sweep Time
100ms

Detector Type
Peak

Port1 



Ch Freq
2.452GHz

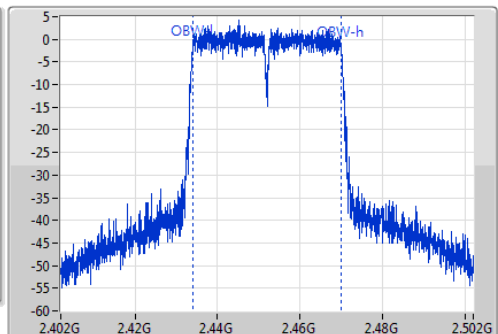
Span
100MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	2.4338G	2.4702G	36.082M	2.433959G	2.470041G	500k	1

**Summary**

Mode	Total Power (dBm)	Total Power (W)
802.11b_(1Mbps)_1TX	-	-
2.4-2.4835GHz	20.81	0.12050
802.11g_(6Mbps)_1TX	-	-
2.4-2.4835GHz	19.50	0.08913
802.11n HT20_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	22.96	0.19770
802.11n HT40_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	16.60	0.04571

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.50	20.81	20.81	30.00
2437MHz	Pass	5.50	20.42	20.42	30.00
2462MHz	Pass	5.50	20.08	20.08	30.00
802.11g_(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.50	15.43	15.43	30.00
2437MHz	Pass	5.50	19.50	19.50	30.00
2462MHz	Pass	5.50	15.66	15.66	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	5.50	14.93	14.93	30.00
2437MHz	Pass	5.50	22.96	22.96	30.00
2462MHz	Pass	5.50	15.54	15.54	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	5.50	14.06	14.06	30.00
2437MHz	Pass	5.50	16.60	16.60	30.00
2452MHz	Pass	5.50	14.49	14.49	30.00

DG = Directional Gain; **Port X** = Port X output power

Summary

Mode	PD (dBm/RBW)
802.11b_(1Mbps)_1TX	-
2.4-2.4835GHz	-10.02
802.11g_(6Mbps)_1TX	-
2.4-2.4835GHz	-9.32
802.11n HT20_Nss1,(MCS0)_1TX	-
2.4-2.4835GHz	-4.94
802.11n HT40_Nss1,(MCS0)_1TX	-
2.4-2.4835GHz	-14.93

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.50	-10.02	-10.02	8.00
2437MHz	Pass	5.50	-10.34	-10.34	8.00
2462MHz	Pass	5.50	-10.85	-10.85	8.00
802.11g_(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	5.50	-12.75	-12.75	8.00
2437MHz	Pass	5.50	-9.32	-9.32	8.00
2462MHz	Pass	5.50	-13.20	-13.20	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	5.50	-13.98	-13.98	8.00
2437MHz	Pass	5.50	-4.94	-4.94	8.00
2462MHz	Pass	5.50	-12.97	-12.97	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	5.50	-15.02	-15.02	8.00
2437MHz	Pass	5.50	-14.93	-14.93	8.00
2452MHz	Pass	5.50	-16.36	-16.36	8.00

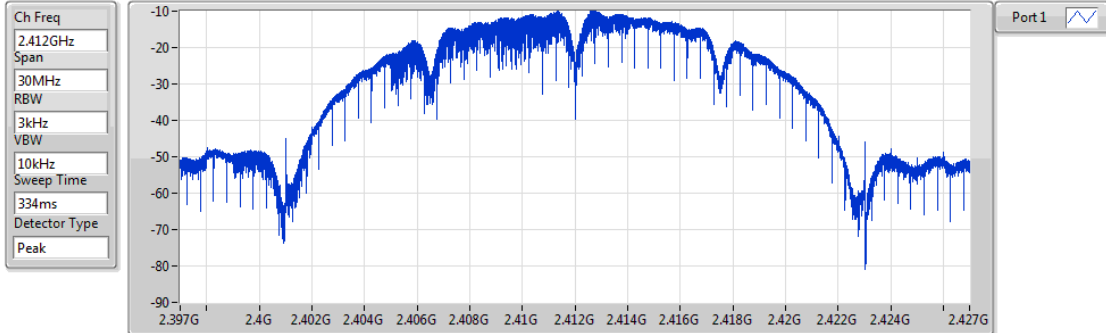
DG = Directional Gain; RBW=3kHz;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_(1Mbps)_1TX

PSD

2412MHz

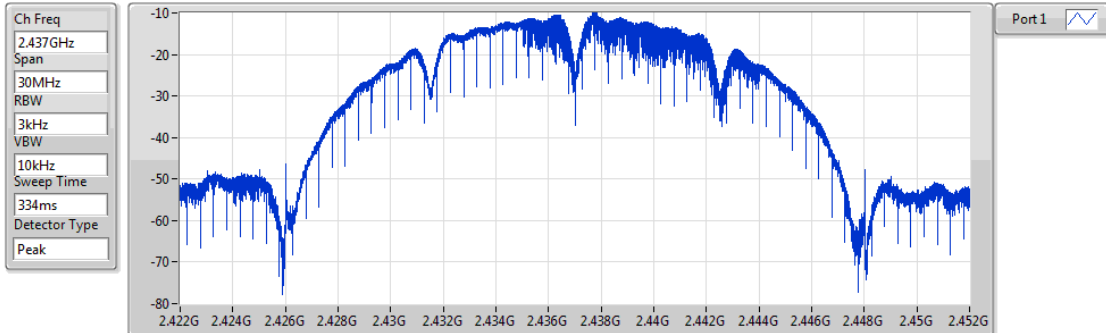


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.02	-10.02	-10.02

802.11b_(1Mbps)_1TX

PSD

2437MHz

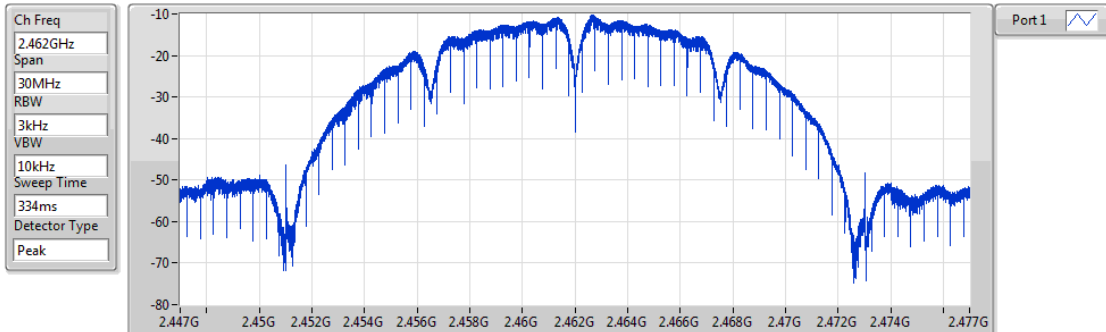


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.34	-10.34	-10.34

802.11b_(1Mbps)_1TX

PSD

2462MHz

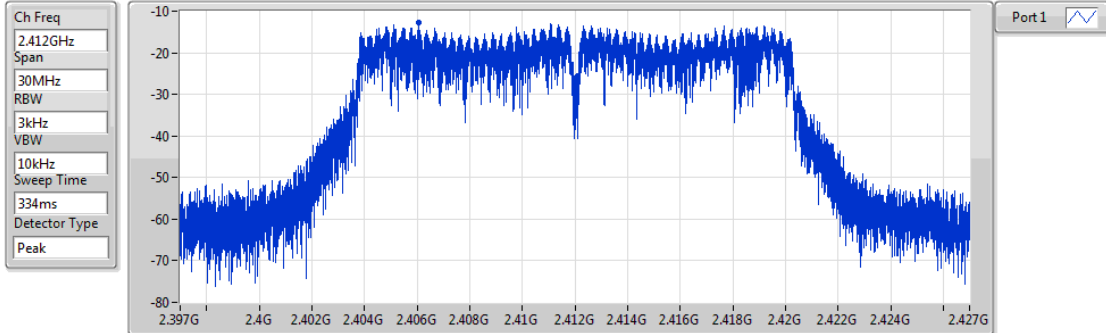


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.85	-10.85	-10.85

802.11g_(6Mbps)_1TX

PSD

2412MHz

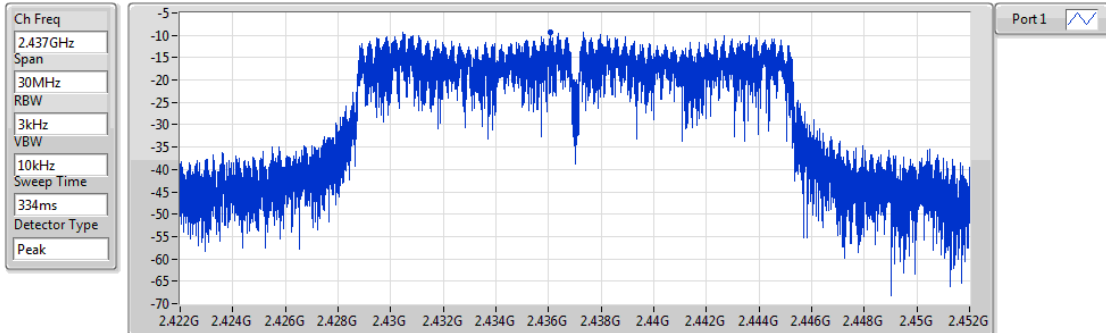


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.75	-12.75	-12.75

802.11g_(6Mbps)_1TX

PSD

2437MHz

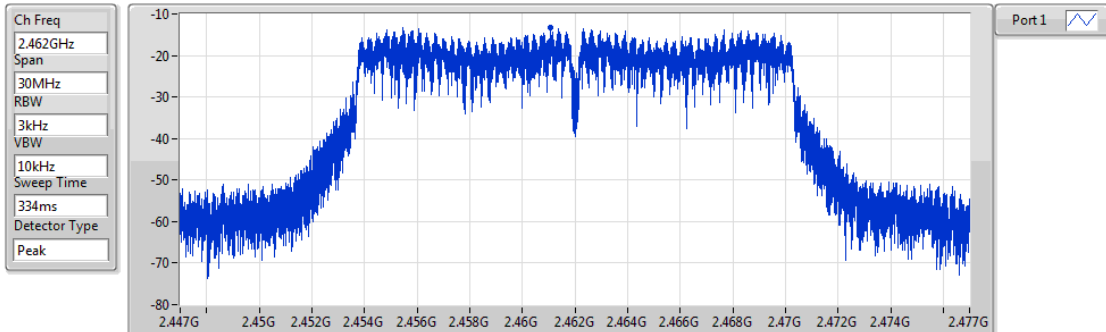


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.32	-9.32	-9.32

802.11g_(6Mbps)_1TX

PSD

2462MHz

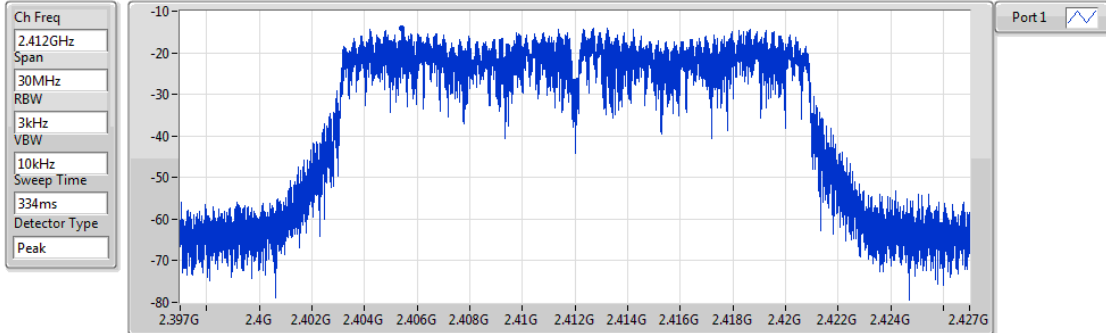


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.20	-13.20	-13.20

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2412MHz

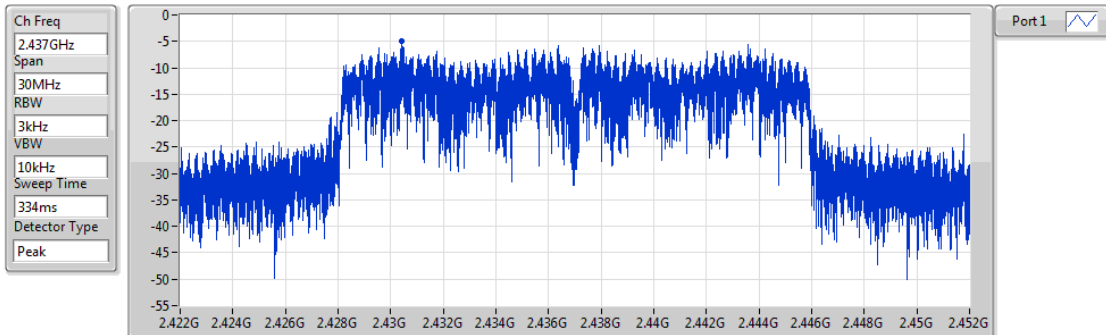


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-13.98	-13.98	-13.98

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

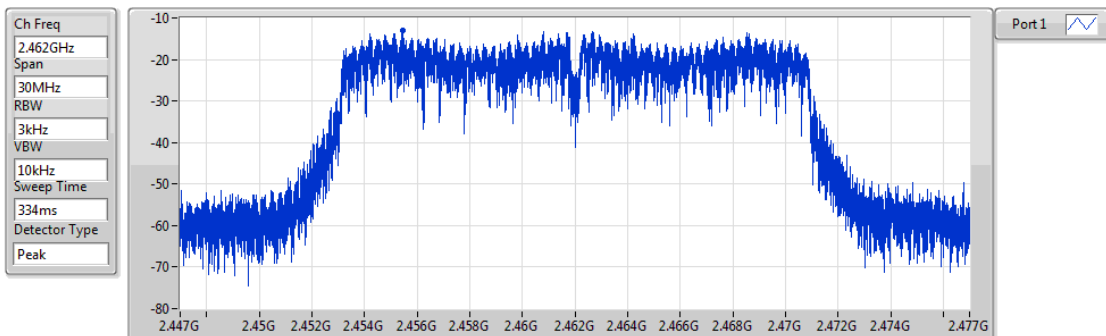


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.94	-4.94	-4.94

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2462MHz

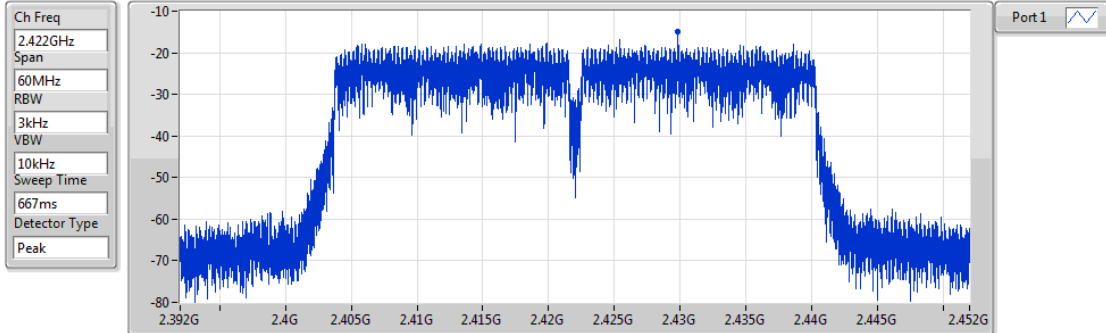


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.97	-12.97	-12.97

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2422MHz

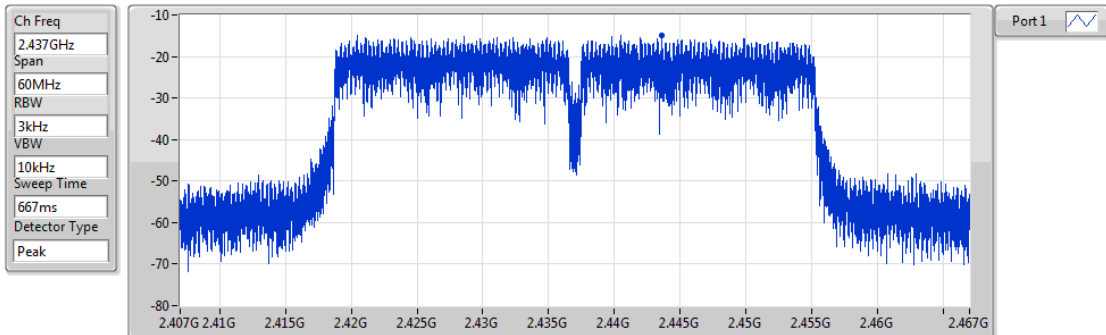


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-15.02	-15.02	-15.02

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

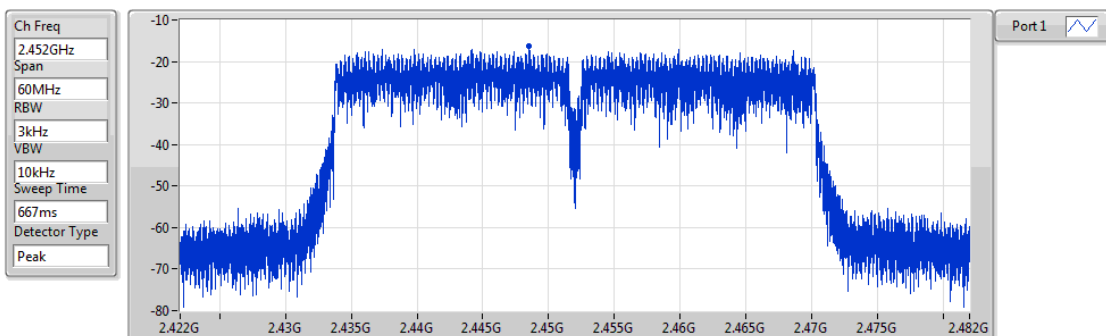


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.93	-14.93	-14.93

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2452MHz



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-16.36	-16.36	-16.36

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
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.412525G	10.25	-19.75	147.665M	-43.79	2.39808G	-27.60	2.48814G	-57.15	15.323867G	-53.91	1

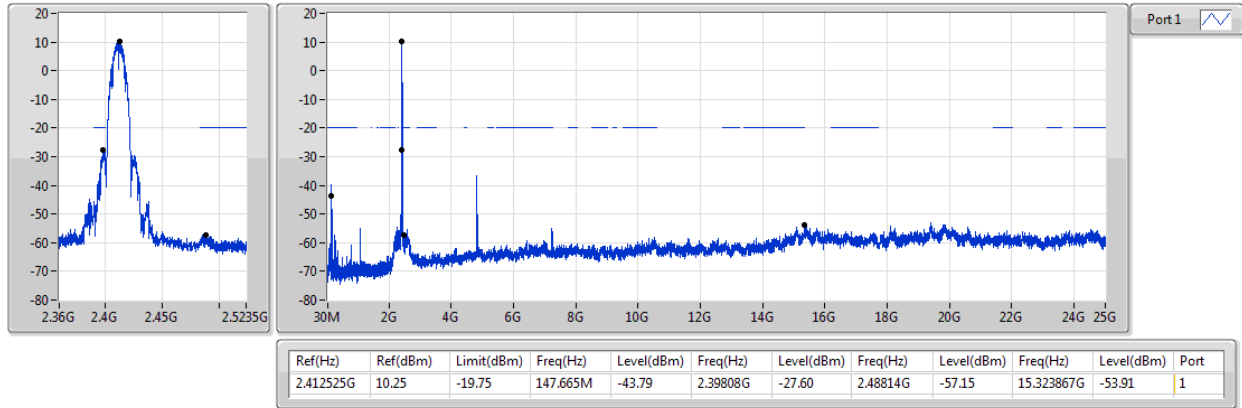
Result

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
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.412525G	10.25	-19.75	147.665M	-43.79	2.39808G	-27.60	2.48814G	-57.15	15.323867G	-53.91	1
2437MHz	Pass	2.412525G	10.25	-19.75	147.665M	-43.75	2.39616G	-56.18	2.51254G	-56.22	24.407182G	-54.62	1
2462MHz	Pass	2.412525G	10.25	-19.75	147.665M	-43.84	2.39192G	-56.82	2.48798G	-45.40	17.307418G	-54.72	1
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.443921G	4.96	-25.04	147.665M	-43.89	2.39992G	-33.23	2.48414G	-57.70	15.11315G	-53.70	1
2437MHz	Pass	2.443921G	4.96	-25.04	147.665M	-43.87	2.39992G	-47.58	2.4843G	-51.73	24.123417G	-55.14	1
2462MHz	Pass	2.443921G	4.96	-25.04	147.665M	-43.95	2.39416G	-58.68	2.48382G	-44.47	24.581375G	-54.34	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.429893G	8.62	-21.38	147.665M	-43.80	2.39768G	-38.62	2.4879G	-58.31	15.130007G	-54.53	1
2437MHz	Pass	2.429893G	8.62	-21.38	147.665M	-43.95	2.39824G	-33.47	2.48422G	-39.85	2.602168G	-54.44	1
2462MHz	Pass	2.429893G	8.62	-21.38	147.665M	-43.77	2.39024G	-57.93	2.4839G	-42.16	16.638742G	-54.31	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.429225G	-1.05	-31.05	146.79M	-43.97	2.39872G	-43.02	2.49022G	-57.15	15.341087G	-53.79	1
2437MHz	Pass	2.429225G	-1.05	-31.05	146.79M	-43.85	2.39712G	-39.46	2.48446G	-45.58	16.325488G	-54.05	1
2452MHz	Pass	2.429225G	-1.05	-31.05	146.79M	-43.92	2.39024G	-56.69	2.48382G	-43.18	15.116722G	-53.68	1

802.11b_(1Mbps)_1TX

CSE NdB

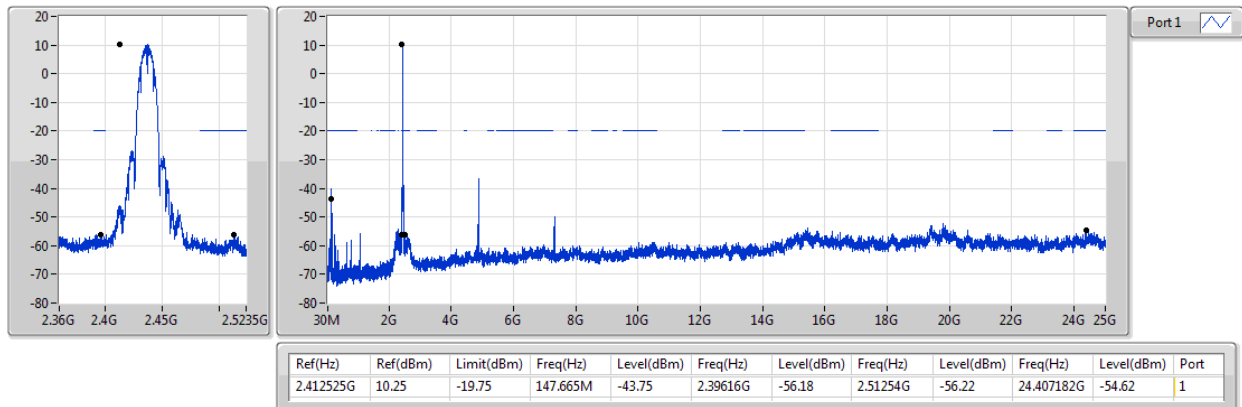
2412MHz



802.11b_(1Mbps)_1TX

CSE NdB

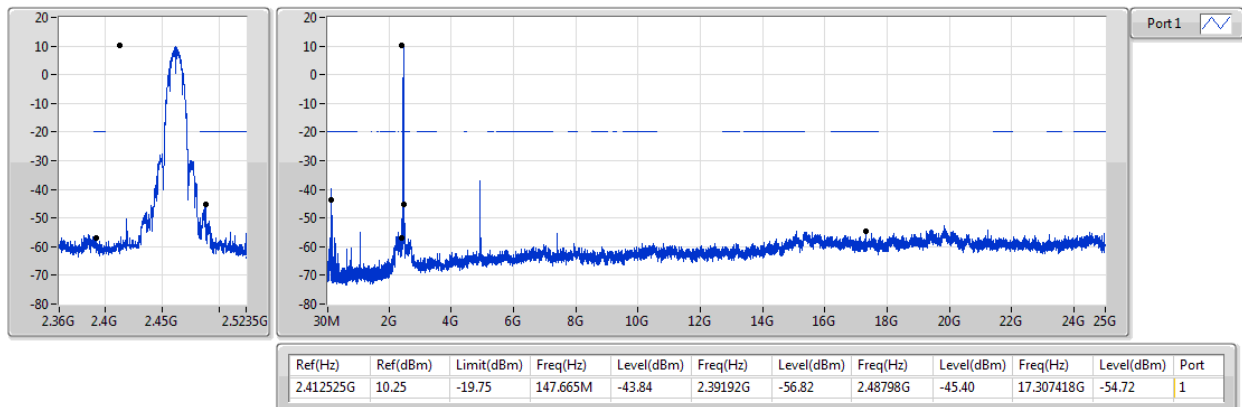
2437MHz



802.11b_(1Mbps)_1TX

CSE NdB

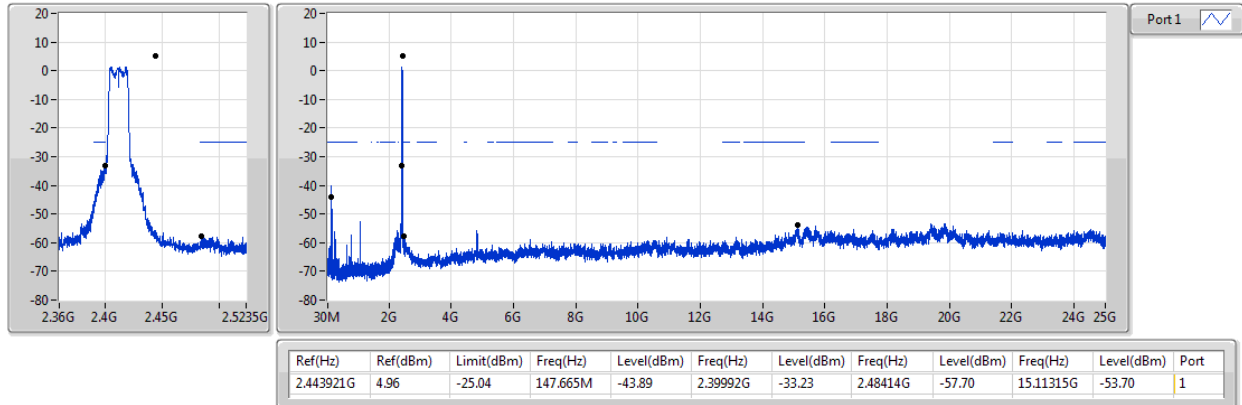
2462MHz



802.11g_(6Mbps)_1TX

CSE NdB

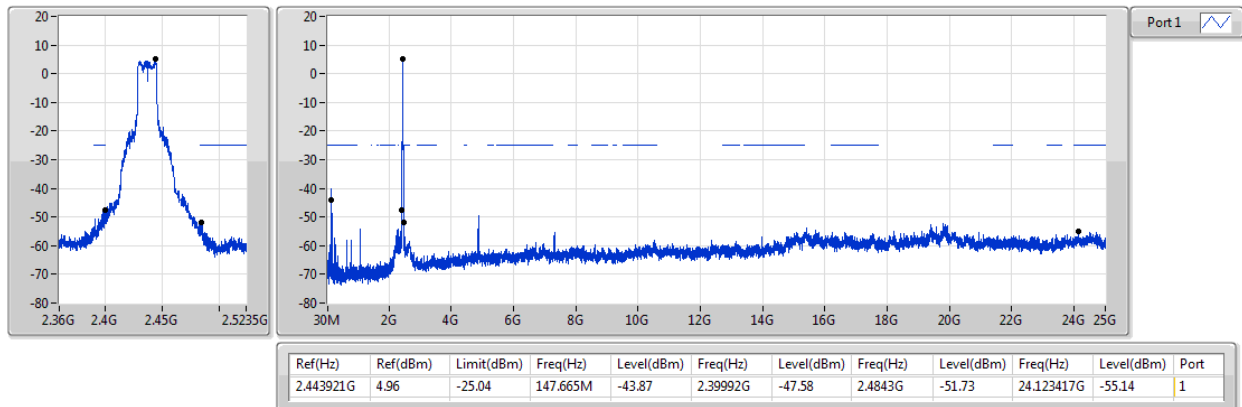
2412MHz



802.11g_(6Mbps)_1TX

CSE NdB

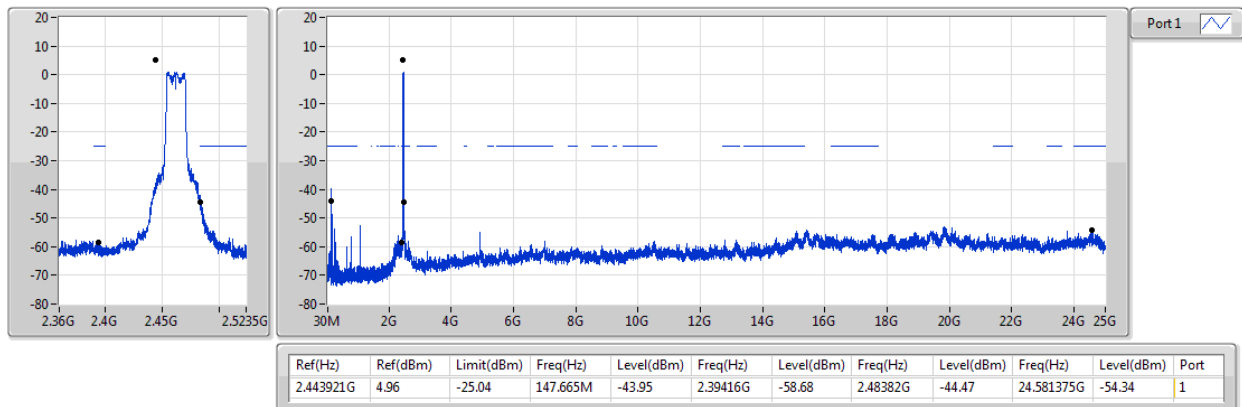
2437MHz



802.11g_(6Mbps)_1TX

CSE NdB

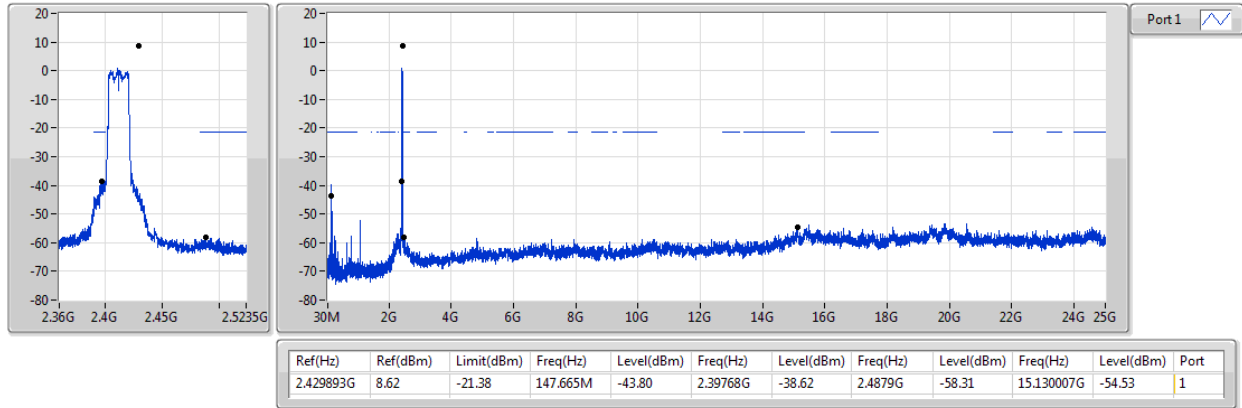
2462MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

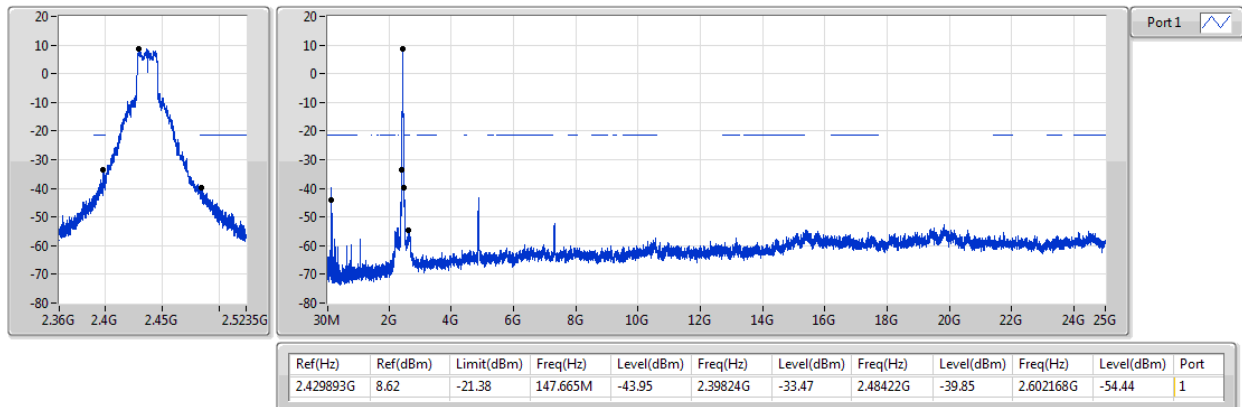
2412MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

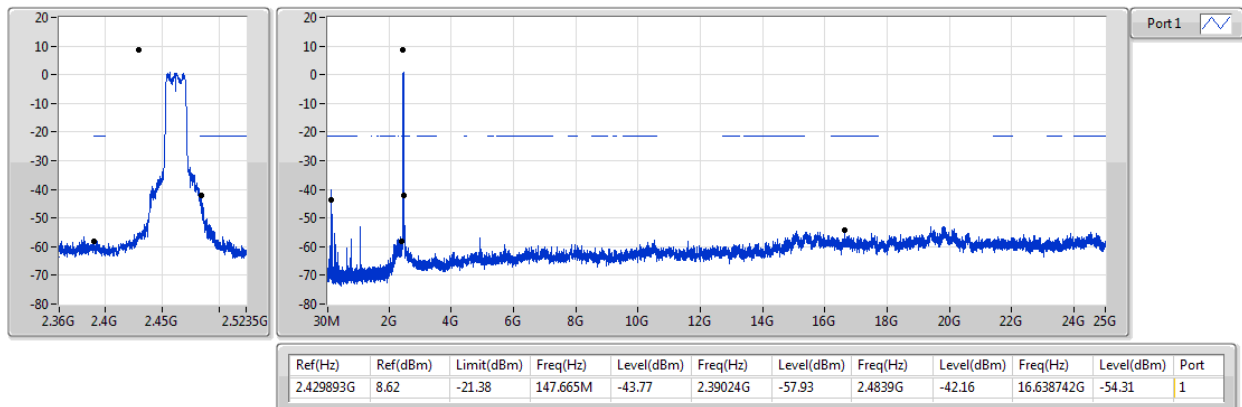
2437MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

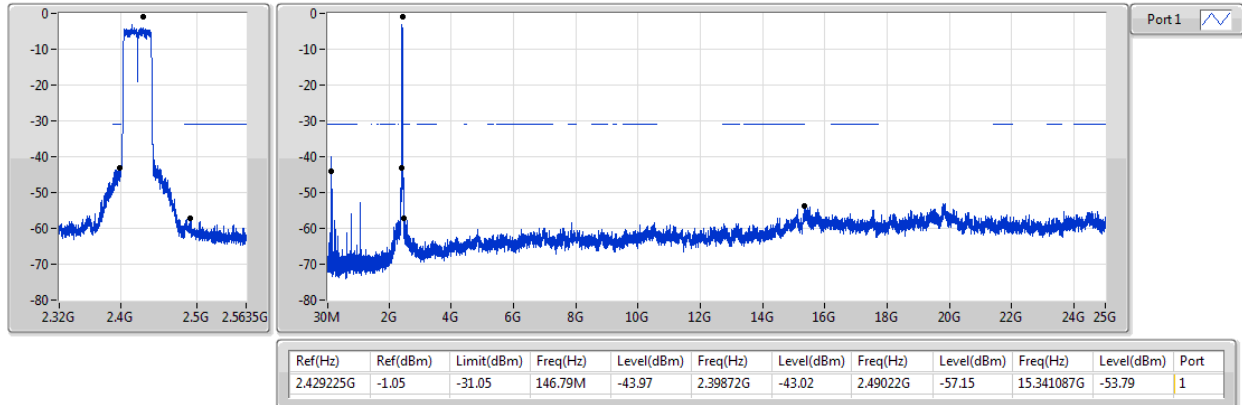
2462MHz



802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

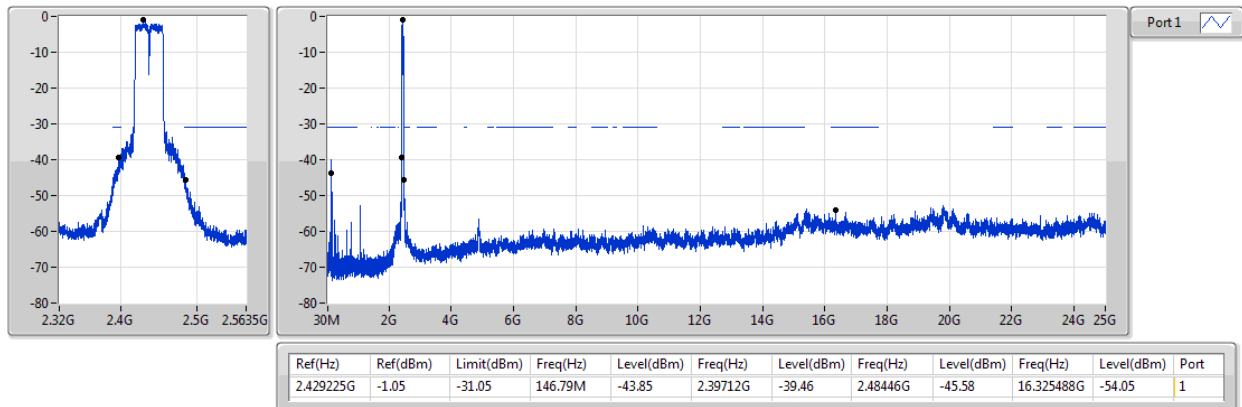
2422MHz



802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

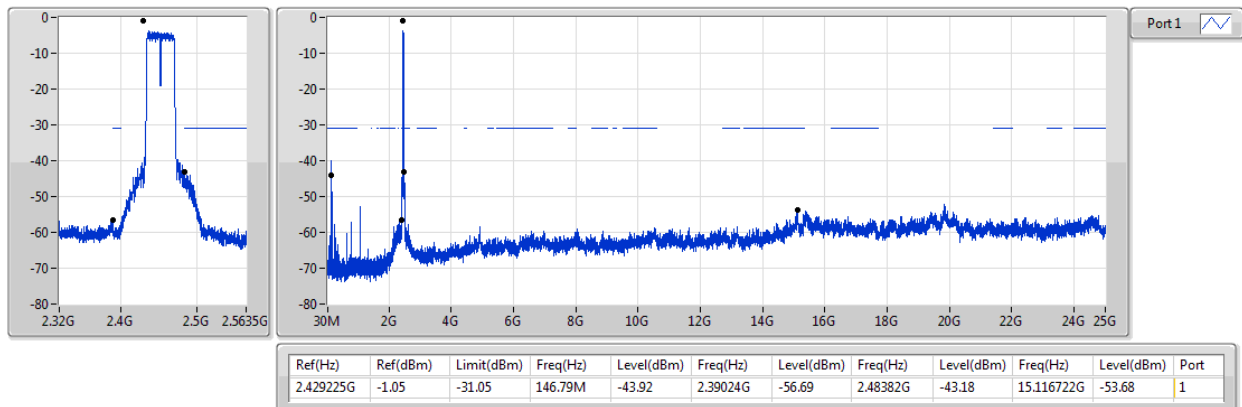
2437MHz



802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

2452MHz





Summary

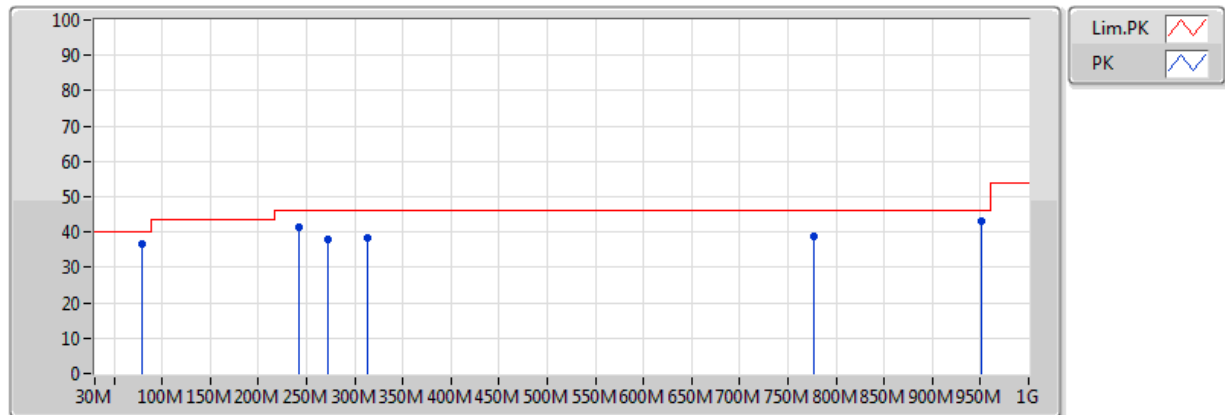
Mode	Result	Type	Freq (Hz)	Level	Limit	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1.	Pass	PK	951.5M	42.89	46.00	-3.11	-2.41	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	776.9M	42.34	46.00	-3.66	-5.78	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	776.9M	42.50	46.00	-3.50	-5.78	3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



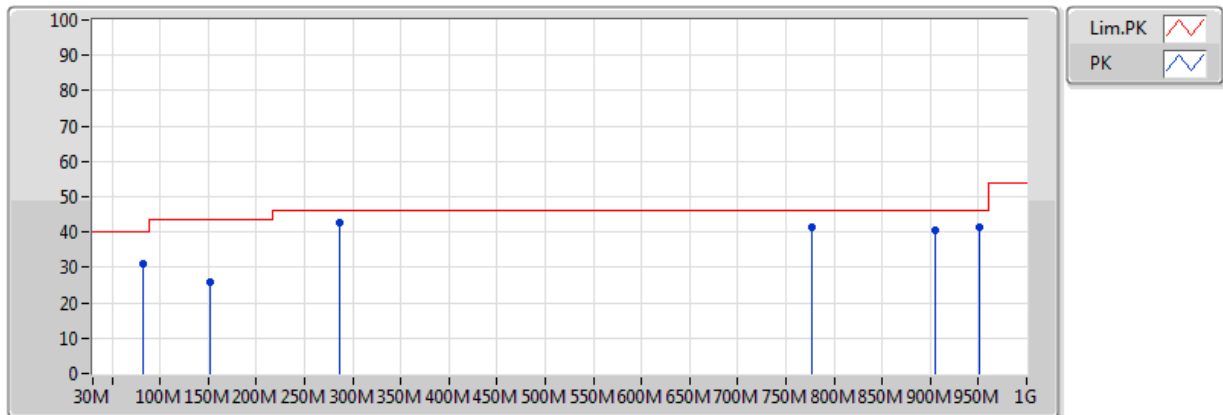
Radiated-below 1GHz_Mode 1



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	-

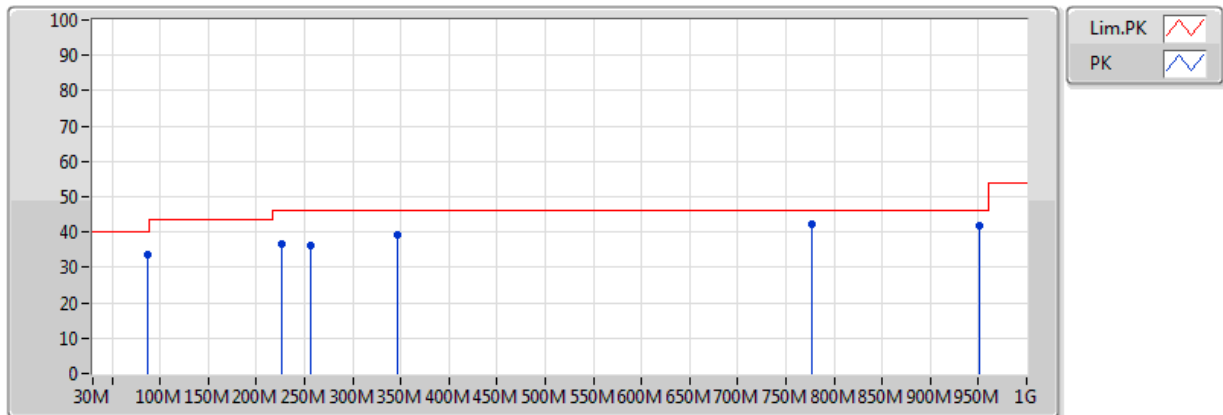
Radiated-below 1GHz_Mode 1



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	-

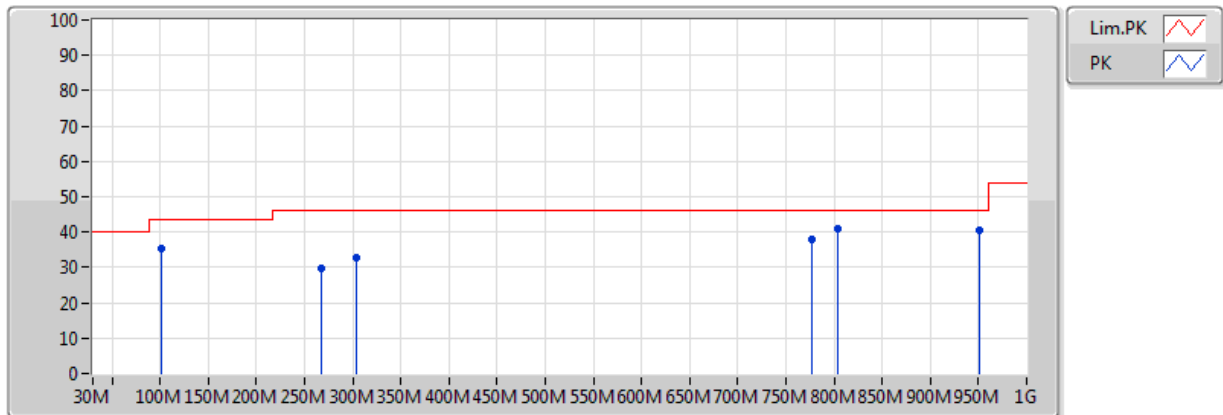
Radiated-below 1GHz_Mode 2



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	-

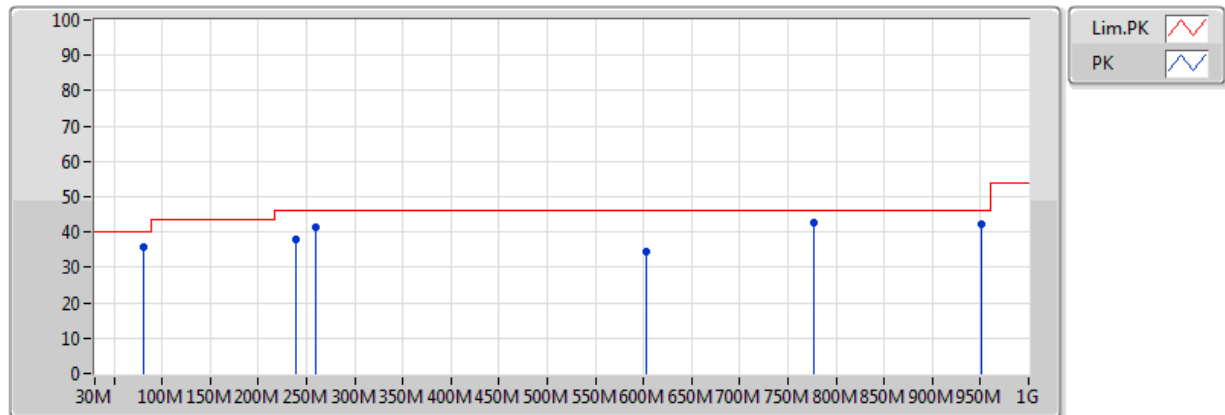
Radiated-below 1GHz_Mode 2



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	-

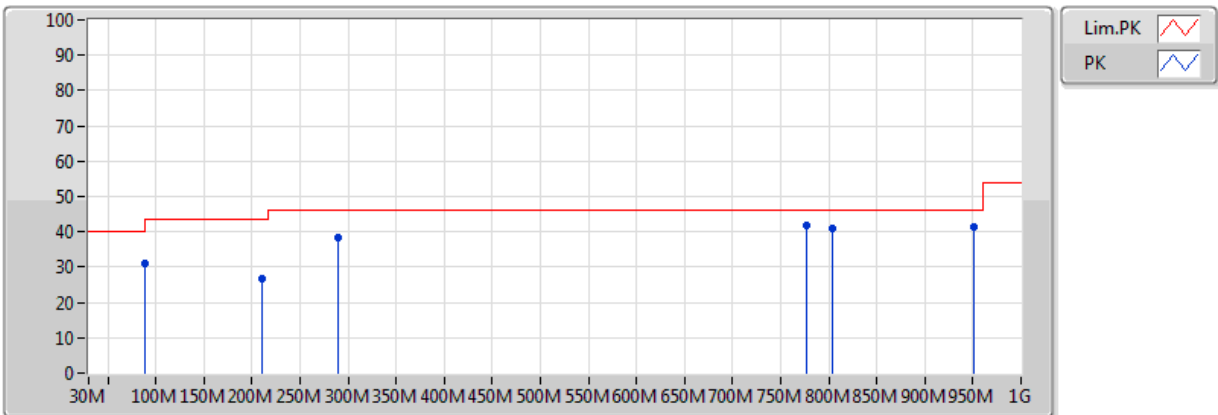
Radiated-below 1GHz_Mode 3



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	-

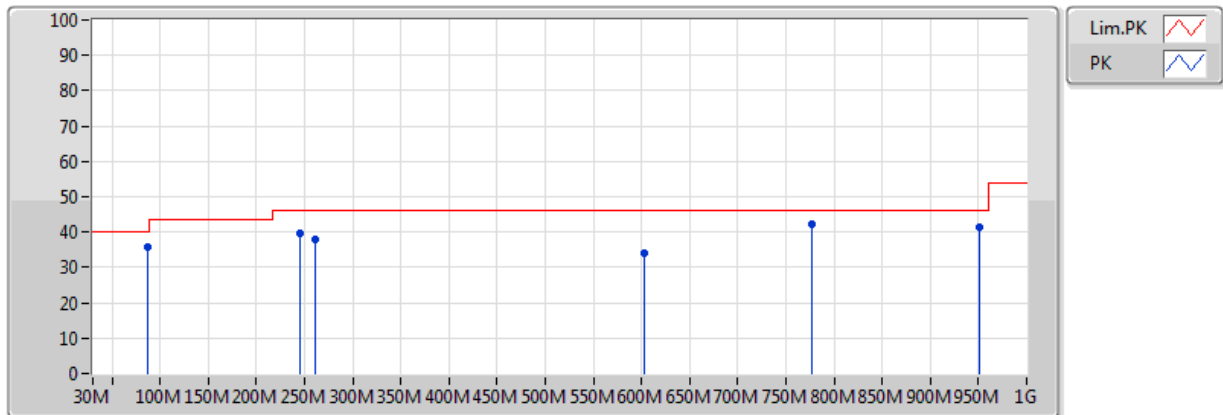
Radiated-below 1GHz_Mode 3



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	-

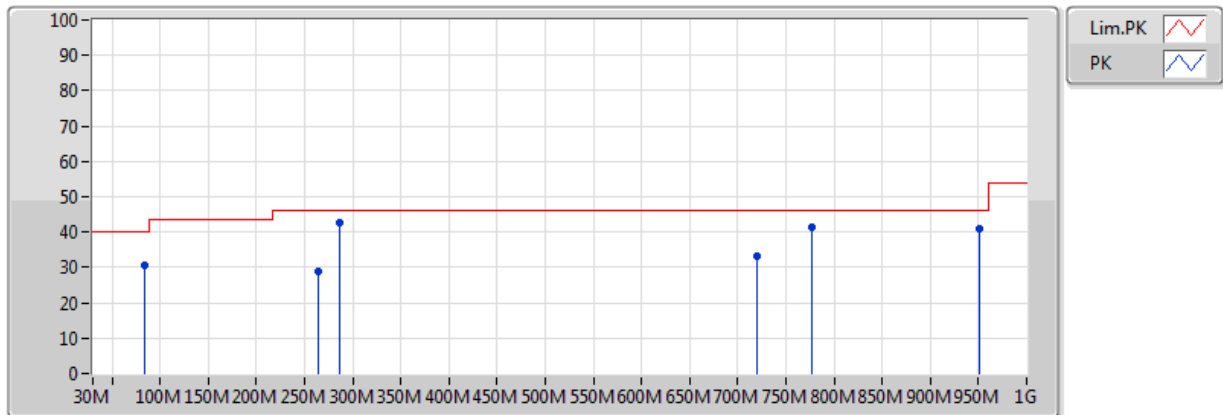
Radiated-below 1GHz_Mode 4



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
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.389998G	52.99	54.00	-1.01	31.17	3	H	357	1.17	-

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
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3866G	52.42	54.00	-1.58	31.16	3	H	177	2.71	-
2412MHz	Pass	AV	2.413G	106.96	Inf	-Inf	31.26	3	H	177	2.71	-
2412MHz	Pass	PK	2.3866G	60.33	74.00	-13.67	31.16	3	H	177	2.71	-
2412MHz	Pass	PK	2.412G	110.44	Inf	-Inf	31.26	3	H	177	2.71	-
2412MHz	Pass	AV	2.3876G	47.34	54.00	-6.66	31.16	3	V	164	1.98	-
2412MHz	Pass	AV	2.413G	94.18	Inf	-Inf	31.26	3	V	164	1.98	-
2412MHz	Pass	PK	2.3834G	58.11	74.00	-15.89	31.15	3	V	164	1.98	-
2412MHz	Pass	PK	2.412G	97.51	Inf	-Inf	31.26	3	V	164	1.98	-
2412MHz	Pass	AV	4.824G	52.71	54.00	-1.29	2.48	3	H	212	2.14	-
2412MHz	Pass	PK	4.824G	55.46	74.00	-18.54	2.48	3	H	212	2.14	-
2412MHz	Pass	AV	4.824G	49.05	54.00	-4.95	2.48	3	V	82	1.01	-
2412MHz	Pass	PK	4.824G	52.11	74.00	-21.89	2.48	3	V	82	1.01	-
2437MHz	Pass	AV	2.3886G	46.93	54.00	-7.07	31.17	3	H	359	1.19	-
2437MHz	Pass	AV	2.4382G	105.46	Inf	-Inf	31.36	3	H	359	1.19	-
2437MHz	Pass	AV	2.483502G	47.67	54.00	-6.33	31.53	3	H	359	1.19	-
2437MHz	Pass	PK	2.3766G	58.11	74.00	-15.89	31.12	3	H	359	1.19	-
2437MHz	Pass	PK	2.437G	108.99	Inf	-Inf	31.35	3	H	359	1.19	-
2437MHz	Pass	PK	2.499998G	58.36	74.00	-15.64	31.59	3	H	359	1.19	-
2437MHz	Pass	AV	2.3858G	46.76	54.00	-7.24	31.15	3	V	147	3.69	-
2437MHz	Pass	AV	2.4358G	102.82	Inf	-Inf	31.35	3	V	147	3.69	-
2437MHz	Pass	AV	2.499998G	47.49	54.00	-6.51	31.59	3	V	147	3.69	-
2437MHz	Pass	PK	2.367G	57.67	74.00	-16.33	31.08	3	V	147	3.69	-
2437MHz	Pass	PK	2.437G	106.24	Inf	-Inf	31.35	3	V	147	3.69	-
2437MHz	Pass	PK	2.4962G	58.53	74.00	-15.47	31.58	3	V	147	3.69	-
2437MHz	Pass	AV	4.874G	52.70	54.00	-1.30	2.55	3	H	214	1.97	-
2437MHz	Pass	PK	4.874G	55.47	74.00	-18.53	2.55	3	H	214	1.97	-
2437MHz	Pass	AV	4.924G	48.82	54.00	-5.18	2.63	3	V	172	1.89	-
2437MHz	Pass	PK	4.924G	51.76	74.00	-22.24	2.63	3	V	172	1.89	-
2462MHz	Pass	AV	2.461G	105.16	Inf	-Inf	31.44	3	H	170	2.61	-
2462MHz	Pass	AV	2.4878G	51.51	54.00	-2.49	31.54	3	H	170	2.61	-
2462MHz	Pass	PK	2.462G	108.57	Inf	-Inf	31.45	3	H	170	2.61	-
2462MHz	Pass	PK	2.4874G	60.96	74.00	-13.04	31.54	3	H	170	2.61	-
2462MHz	Pass	AV	2.463G	99.93	Inf	-Inf	31.45	3	V	216	1.00	-
2462MHz	Pass	AV	2.4876G	48.49	54.00	-5.51	31.54	3	V	216	1.00	-
2462MHz	Pass	PK	2.462G	103.44	Inf	-Inf	31.45	3	V	216	1.00	-
2462MHz	Pass	PK	2.4862G	59.64	74.00	-14.36	31.54	3	V	216	1.00	-
2462MHz	Pass	AV	4.924G	52.56	54.00	-1.44	2.63	3	H	218	3.67	-
2462MHz	Pass	PK	4.924G	55.04	74.00	-18.96	2.63	3	H	218	3.67	-
2462MHz	Pass	AV	4.924G	47.90	54.00	-6.10	2.63	3	V	171	1.91	-
2462MHz	Pass	PK	4.924G	51.80	74.00	-22.20	2.63	3	V	171	1.91	-
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.66	54.00	-1.34	31.17	3	H	165	2.19	-
2412MHz	Pass	AV	2.4054G	101.19	Inf	-Inf	31.23	3	H	165	2.19	-
2412MHz	Pass	PK	2.39G	67.05	74.00	-6.95	31.17	3	H	165	2.19	-
2412MHz	Pass	PK	2.4056G	108.07	Inf	-Inf	31.23	3	H	165	2.19	-
2412MHz	Pass	AV	2.39G	48.42	54.00	-5.58	31.17	3	V	142	3.69	-
2412MHz	Pass	AV	2.4188G	96.10	Inf	-Inf	31.28	3	V	142	3.69	-

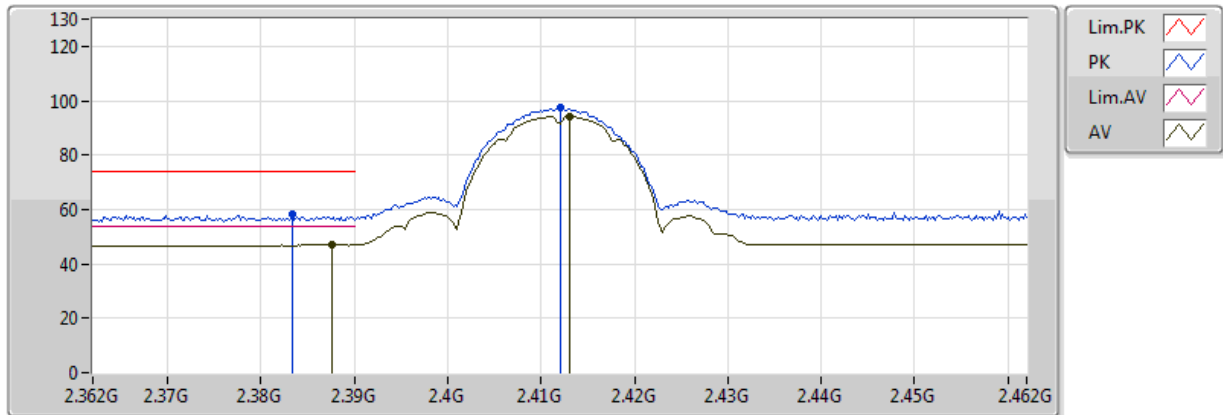
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.3898G	61.95	74.00	-12.05	31.17	3	V	142	3.69	-
2412MHz	Pass	PK	2.4188G	103.50	Inf	-Inf	31.28	3	V	142	3.69	-
2412MHz	Pass	AV	4.824G	36.05	54.00	-17.95	2.48	3	H	337	2.03	-
2412MHz	Pass	PK	4.824G	49.51	74.00	-24.49	2.48	3	H	337	2.03	-
2412MHz	Pass	AV	4.824G	35.14	54.00	-18.86	2.48	3	V	11	1.04	-
2412MHz	Pass	PK	4.824G	46.32	74.00	-27.68	2.48	3	V	11	1.04	-
2437MHz	Pass	AV	2.389998G	51.04	54.00	-2.96	31.17	3	H	358	1.15	-
2437MHz	Pass	AV	2.4362G	105.41	Inf	-Inf	31.35	3	H	358	1.15	-
2437MHz	Pass	AV	2.483502G	52.47	54.00	-1.53	31.53	3	H	358	1.15	-
2437MHz	Pass	PK	2.389998G	64.86	74.00	-9.14	31.17	3	H	358	1.15	-
2437MHz	Pass	PK	2.4298G	112.52	Inf	-Inf	31.32	3	H	358	1.15	-
2437MHz	Pass	PK	2.4842G	65.01	74.00	-8.99	31.53	3	H	358	1.15	-
2437MHz	Pass	AV	2.389998G	49.58	54.00	-4.42	31.17	3	V	164	3.59	-
2437MHz	Pass	AV	2.4362G	104.33	Inf	-Inf	31.35	3	V	164	3.59	-
2437MHz	Pass	AV	2.483502G	51.77	54.00	-2.23	31.53	3	V	164	3.59	-
2437MHz	Pass	PK	2.3894G	62.16	74.00	-11.84	31.17	3	V	164	3.59	-
2437MHz	Pass	PK	2.4298G	111.76	Inf	-Inf	31.32	3	V	164	3.59	-
2437MHz	Pass	PK	2.4846G	64.04	74.00	-9.96	31.53	3	V	164	3.59	-
2437MHz	Pass	AV	4.874G	50.17	54.00	-3.83	2.55	3	H	213	2.18	-
2437MHz	Pass	PK	4.874G	60.38	74.00	-13.62	2.55	3	H	213	2.18	-
2437MHz	Pass	AV	4.874G	47.33	54.00	-6.67	2.55	3	V	338	2.45	-
2437MHz	Pass	PK	4.874G	58.63	74.00	-15.37	2.55	3	V	338	2.45	-
2462MHz	Pass	AV	2.4554G	98.39	Inf	-Inf	31.42	3	H	0	1.00	-
2462MHz	Pass	AV	2.483502G	52.29	54.00	-1.71	31.53	3	H	0	1.00	-
2462MHz	Pass	PK	2.4548G	105.11	Inf	-Inf	31.42	3	H	0	1.00	-
2462MHz	Pass	PK	2.483502G	65.41	74.00	-8.59	31.53	3	H	0	1.00	-
2462MHz	Pass	AV	2.4612G	95.74	Inf	-Inf	31.44	3	V	157	2.69	-
2462MHz	Pass	AV	2.483502G	51.79	54.00	-2.21	31.53	3	V	157	2.69	-
2462MHz	Pass	PK	2.4688G	102.46	Inf	-Inf	31.47	3	V	157	2.69	-
2462MHz	Pass	PK	2.483502G	64.05	74.00	-9.95	31.53	3	V	157	2.69	-
2462MHz	Pass	AV	4.924G	35.99	54.00	-18.01	2.63	3	H	0	1.50	-
2462MHz	Pass	PK	4.924G	47.63	74.00	-26.37	2.63	3	H	0	1.50	-
2462MHz	Pass	AV	4.924G	34.95	54.00	-19.05	2.63	3	V	360	1.50	-
2462MHz	Pass	PK	4.924G	46.23	74.00	-27.77	2.63	3	V	360	1.50	-
802.11n HT20_Nss1_(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.22	54.00	-1.78	31.17	3	H	341	1.01	-
2412MHz	Pass	AV	2.405G	97.03	Inf	-Inf	31.23	3	H	341	1.01	-
2412MHz	Pass	PK	2.39G	67.75	74.00	-6.25	31.17	3	H	341	1.01	-
2412MHz	Pass	PK	2.4044G	103.84	Inf	-Inf	31.23	3	H	341	1.01	-
2412MHz	Pass	AV	2.39G	50.27	54.00	-3.73	31.17	3	V	164	3.69	-
2412MHz	Pass	AV	2.4128G	97.40	Inf	-Inf	31.26	3	V	164	3.69	-
2412MHz	Pass	PK	2.39G	65.51	74.00	-8.49	31.17	3	V	164	3.69	-
2412MHz	Pass	PK	2.413G	104.40	Inf	-Inf	31.26	3	V	164	3.69	-
2412MHz	Pass	AV	4.824G	35.02	54.00	-18.98	2.48	3	H	360	1.50	-
2412MHz	Pass	PK	4.824G	45.75	74.00	-28.25	2.48	3	H	360	1.50	-
2412MHz	Pass	AV	4.824G	34.99	54.00	-19.01	2.48	3	V	0	1.50	-
2412MHz	Pass	PK	4.824G	45.58	74.00	-28.42	2.48	3	V	0	1.50	-
2437MHz	Pass	AV	2.389998G	51.69	54.00	-2.31	31.17	3	H	354	1.15	-
2437MHz	Pass	AV	2.4362G	105.02	Inf	-Inf	31.35	3	H	354	1.15	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.483502G	52.50	54.00	-1.50	31.53	3	H	354	1.15	-
2437MHz	Pass	PK	2.389998G	70.22	74.00	-3.78	31.17	3	H	354	1.15	-
2437MHz	Pass	PK	2.4374G	112.80	Inf	-Inf	31.35	3	H	354	1.15	-
2437MHz	Pass	PK	2.4838G	68.48	74.00	-5.52	31.53	3	H	354	1.15	-
2437MHz	Pass	AV	2.389998G	48.44	54.00	-5.56	31.17	3	V	216	1.03	-
2437MHz	Pass	AV	2.4302G	99.62	Inf	-Inf	31.32	3	V	216	1.03	-
2437MHz	Pass	AV	2.4846G	49.63	54.00	-4.37	31.53	3	V	216	1.03	-
2437MHz	Pass	PK	2.389998G	64.40	74.00	-9.60	31.17	3	V	216	1.03	-
2437MHz	Pass	PK	2.4302G	107.17	Inf	-Inf	31.32	3	V	216	1.03	-
2437MHz	Pass	PK	2.485G	64.23	74.00	-9.77	31.53	3	V	216	1.03	-
2437MHz	Pass	AV	4.874G	49.30	54.00	-4.70	2.55	3	H	214	2.17	-
2437MHz	Pass	PK	4.874G	60.95	74.00	-13.05	2.55	3	H	214	2.17	-
2437MHz	Pass	AV	4.874G	46.54	54.00	-7.46	2.55	3	V	175	3.63	-
2437MHz	Pass	PK	4.874G	58.56	74.00	-15.44	2.55	3	V	175	3.63	-
2462MHz	Pass	AV	2.455G	98.09	Inf	-Inf	31.42	3	H	0	1.01	-
2462MHz	Pass	AV	2.483502G	52.71	54.00	-1.29	31.53	3	H	0	1.01	-
2462MHz	Pass	PK	2.4544G	104.84	Inf	-Inf	31.42	3	H	0	1.01	-
2462MHz	Pass	PK	2.483502G	68.07	74.00	-5.93	31.53	3	H	0	1.01	-
2462MHz	Pass	AV	2.4612G	94.92	Inf	-Inf	31.44	3	V	156	2.67	-
2462MHz	Pass	AV	2.483502G	51.81	54.00	-2.19	31.53	3	V	156	2.67	-
2462MHz	Pass	PK	2.4622G	102.09	Inf	-Inf	31.45	3	V	156	2.67	-
2462MHz	Pass	PK	2.483502G	65.85	74.00	-8.15	31.53	3	V	156	2.67	-
2462MHz	Pass	AV	4.924G	35.72	54.00	-18.28	2.63	3	H	0	1.50	-
2462MHz	Pass	PK	4.924G	47.72	74.00	-26.28	2.63	3	H	0	1.50	-
2462MHz	Pass	AV	4.924G	35.45	54.00	-18.55	2.63	3	V	360	1.50	-
2462MHz	Pass	PK	4.924G	47.00	74.00	-27.00	2.63	3	V	360	1.50	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	52.13	54.00	-1.87	31.17	3	H	357	1.22	-
2422MHz	Pass	AV	2.414G	92.58	Inf	-Inf	31.26	3	H	357	1.22	-
2422MHz	Pass	AV	2.4996G	47.54	54.00	-6.46	31.59	3	H	357	1.22	-
2422MHz	Pass	PK	2.3884G	65.34	74.00	-8.66	31.16	3	H	357	1.22	-
2422MHz	Pass	PK	2.4152G	100.82	Inf	-Inf	31.27	3	H	357	1.22	-
2422MHz	Pass	PK	2.4996G	58.72	74.00	-15.28	31.59	3	H	357	1.22	-
2422MHz	Pass	AV	2.3896G	48.36	54.00	-5.64	31.17	3	V	146	3.69	-
2422MHz	Pass	AV	2.4184G	90.80	Inf	-Inf	31.28	3	V	146	3.69	-
2422MHz	Pass	AV	2.5G	47.50	54.00	-6.50	31.59	3	V	146	3.69	-
2422MHz	Pass	PK	2.386G	60.44	74.00	-13.56	31.16	3	V	146	3.69	-
2422MHz	Pass	PK	2.4144G	98.89	Inf	-Inf	31.26	3	V	146	3.69	-
2422MHz	Pass	PK	2.49G	58.37	74.00	-15.63	31.55	3	V	146	3.69	-
2422MHz	Pass	AV	4.844G	34.54	54.00	-19.46	2.51	3	H	360	1.50	-
2422MHz	Pass	PK	4.844G	46.03	74.00	-27.97	2.51	3	H	360	1.50	-
2422MHz	Pass	AV	4.844G	34.65	54.00	-19.35	2.51	3	V	0	1.50	-
2422MHz	Pass	PK	4.844G	45.81	74.00	-28.19	2.51	3	V	0	1.50	-
2437MHz	Pass	AV	2.389998G	52.99	54.00	-1.01	31.17	3	H	357	1.17	-
2437MHz	Pass	AV	2.4338G	95.49	Inf	-Inf	31.34	3	H	357	1.17	-
2437MHz	Pass	AV	2.483502G	52.83	54.00	-1.17	31.53	3	H	357	1.17	-
2437MHz	Pass	PK	2.389G	64.98	74.00	-9.02	31.17	3	H	357	1.17	-
2437MHz	Pass	PK	2.4294G	103.42	Inf	-Inf	31.32	3	H	357	1.17	-
2437MHz	Pass	PK	2.483502G	64.33	74.00	-9.67	31.53	3	H	357	1.17	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.389998G	48.96	54.00	-5.04	31.17	3	V	144	3.69	-
2437MHz	Pass	AV	2.4226G	93.21	Inf	-Inf	31.30	3	V	144	3.69	-
2437MHz	Pass	AV	2.483502G	50.08	54.00	-3.92	31.53	3	V	144	3.69	-
2437MHz	Pass	PK	2.389G	59.69	74.00	-14.31	31.17	3	V	144	3.69	-
2437MHz	Pass	PK	2.4222G	101.40	Inf	-Inf	31.29	3	V	144	3.69	-
2437MHz	Pass	PK	2.4842G	61.38	74.00	-12.62	31.53	3	V	144	3.69	-
2437MHz	Pass	AV	4.874G	34.13	54.00	-19.87	2.55	3	H	0	1.50	-
2437MHz	Pass	PK	4.874G	44.62	74.00	-29.38	2.55	3	H	0	1.50	-
2437MHz	Pass	AV	4.874G	34.15	54.00	-19.85	2.55	3	V	360	1.50	-
2437MHz	Pass	PK	4.874G	45.65	74.00	-28.35	2.55	3	V	360	1.50	-
2452MHz	Pass	AV	2.3896G	46.97	54.00	-7.03	31.17	3	H	358	1.41	-
2452MHz	Pass	AV	2.4444G	93.15	Inf	-Inf	31.38	3	H	358	1.41	-
2452MHz	Pass	AV	2.4836G	52.62	54.00	-1.38	31.53	3	H	358	1.41	-
2452MHz	Pass	PK	2.354G	57.98	74.00	-16.02	31.03	3	H	358	1.41	-
2452MHz	Pass	PK	2.4452G	101.36	Inf	-Inf	31.38	3	H	358	1.41	-
2452MHz	Pass	PK	2.4844G	65.05	74.00	-8.95	31.53	3	H	358	1.41	-
2452MHz	Pass	AV	2.3896G	46.65	54.00	-7.35	31.17	3	V	163	3.60	-
2452MHz	Pass	AV	2.444G	92.73	Inf	-Inf	31.38	3	V	163	3.60	-
2452MHz	Pass	AV	2.4836G	51.43	54.00	-2.57	31.53	3	V	163	3.60	-
2452MHz	Pass	PK	2.3724G	58.05	74.00	-15.95	31.10	3	V	163	3.60	-
2452MHz	Pass	PK	2.4444G	100.94	Inf	-Inf	31.38	3	V	163	3.60	-
2452MHz	Pass	PK	2.484G	64.73	74.00	-9.27	31.53	3	V	163	3.60	-
2452MHz	Pass	AV	4.904G	34.22	54.00	-19.78	2.60	3	H	0	1.50	-
2452MHz	Pass	PK	4.904G	45.02	74.00	-28.98	2.60	3	H	0	1.50	-
2452MHz	Pass	AV	4.904G	34.23	54.00	-19.77	2.60	3	V	360	1.50	-
2452MHz	Pass	PK	4.904G	45.89	74.00	-28.11	2.60	3	V	360	1.50	-

802.11b_(1Mbps)_1TX

2412MHz_TX

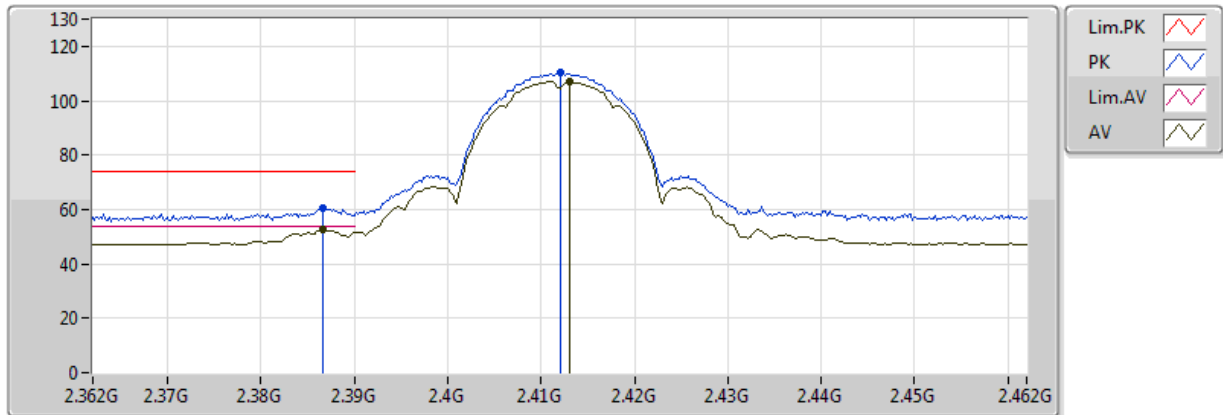


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3876G	47.34	54.00	-6.66	31.16	3	V	164	1.98	-
AV	2.413G	94.18	Inf	-Inf	31.26	3	V	164	1.98	-
PK	2.3834G	58.11	74.00	-15.89	31.15	3	V	164	1.98	-
PK	2.412G	97.51	Inf	-Inf	31.26	3	V	164	1.98	-

802.11b_(1Mbps)_1TX

2412MHz_TX

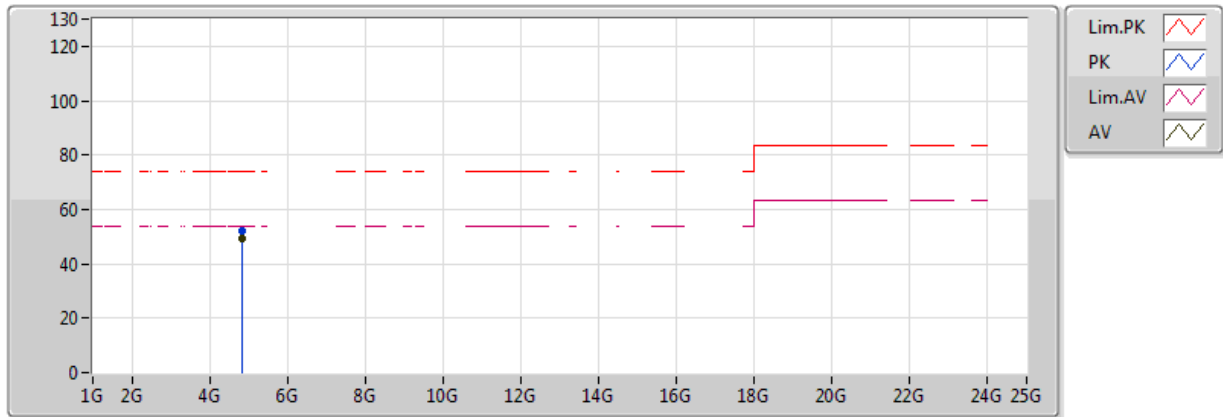


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3866G	52.42	54.00	-1.58	31.16	3	H	177	2.71	-
AV	2.413G	106.96	Inf	-Inf	31.26	3	H	177	2.71	-
PK	2.3866G	60.33	74.00	-13.67	31.16	3	H	177	2.71	-
PK	2.412G	110.44	Inf	-Inf	31.26	3	H	177	2.71	-

802.11b_(1Mbps)_1TX

2412MHz_TX

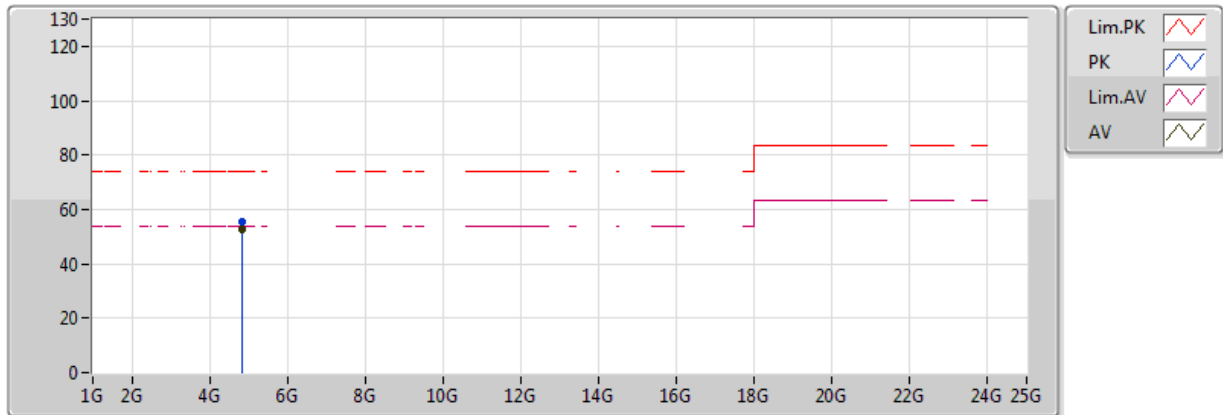


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	49.05	54.00	-4.95	2.48	3	V	82	1.01	-
PK	4.824G	52.11	74.00	-21.89	2.48	3	V	82	1.01	-

802.11b_(1Mbps)_1TX

2412MHz_TX

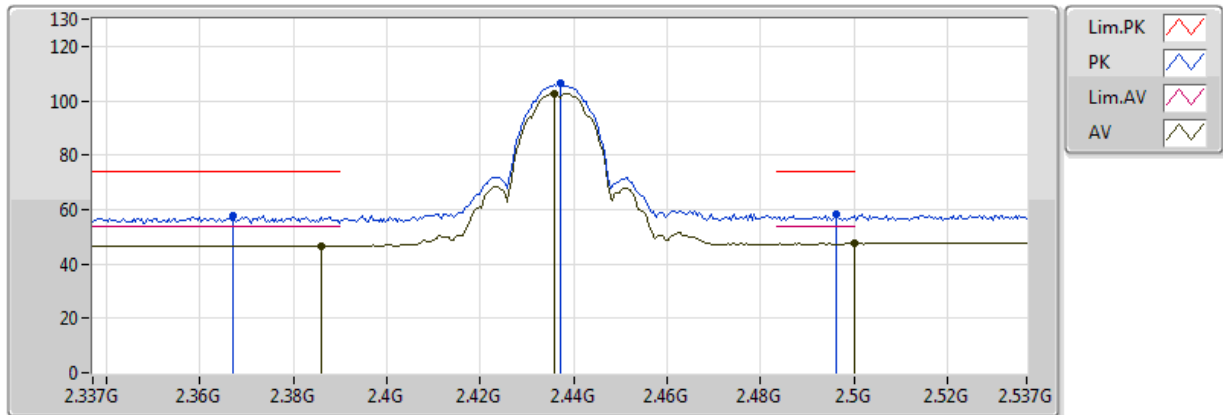


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	52.71	54.00	-1.29	2.48	3	H	212	2.14	-
PK	4.824G	55.46	74.00	-18.54	2.48	3	H	212	2.14	-

802.11b_(1Mbps)_1TX

2437MHz_TX

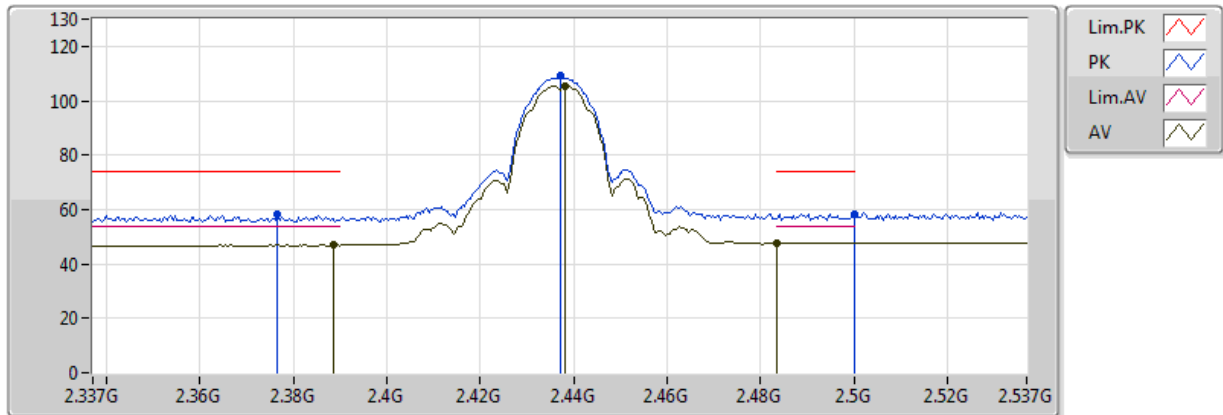


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3858G	46.76	54.00	-7.24	31.15	3	V	147	3.69	-
AV	2.4358G	102.82	Inf	-Inf	31.35	3	V	147	3.69	-
AV	2.499998G	47.49	54.00	-6.51	31.59	3	V	147	3.69	-
PK	2.367G	57.67	74.00	-16.33	31.08	3	V	147	3.69	-
PK	2.437G	106.24	Inf	-Inf	31.35	3	V	147	3.69	-
PK	2.4962G	58.53	74.00	-15.47	31.58	3	V	147	3.69	-

802.11b_(1Mbps)_1TX

2437MHz_TX

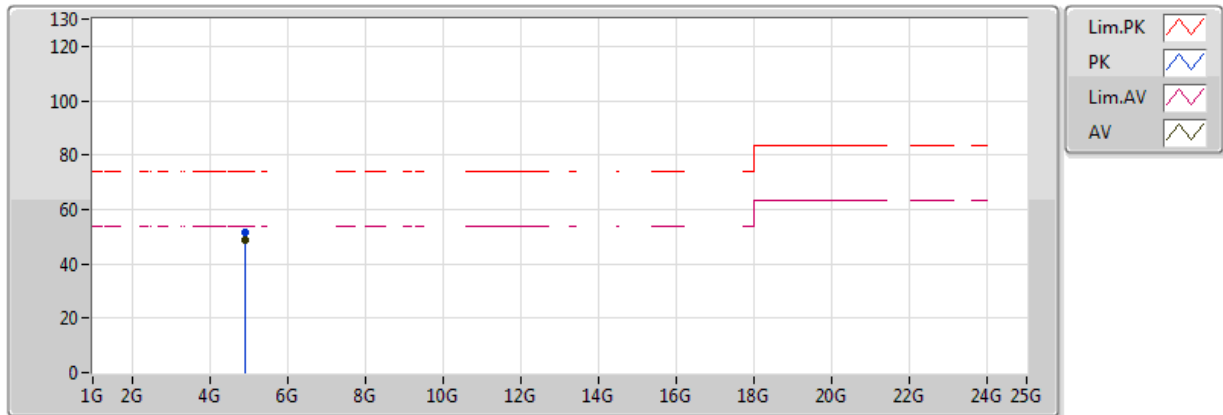


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3886G	46.93	54.00	-7.07	31.17	3	H	359	1.19	-
AV	2.4382G	105.46	Inf	-Inf	31.36	3	H	359	1.19	-
AV	2.483502G	47.67	54.00	-6.33	31.53	3	H	359	1.19	-
PK	2.3766G	58.11	74.00	-15.89	31.12	3	H	359	1.19	-
PK	2.437G	108.99	Inf	-Inf	31.35	3	H	359	1.19	-
PK	2.499998G	58.36	74.00	-15.64	31.59	3	H	359	1.19	-

802.11b_(1Mbps)_1TX

2437MHz_TX

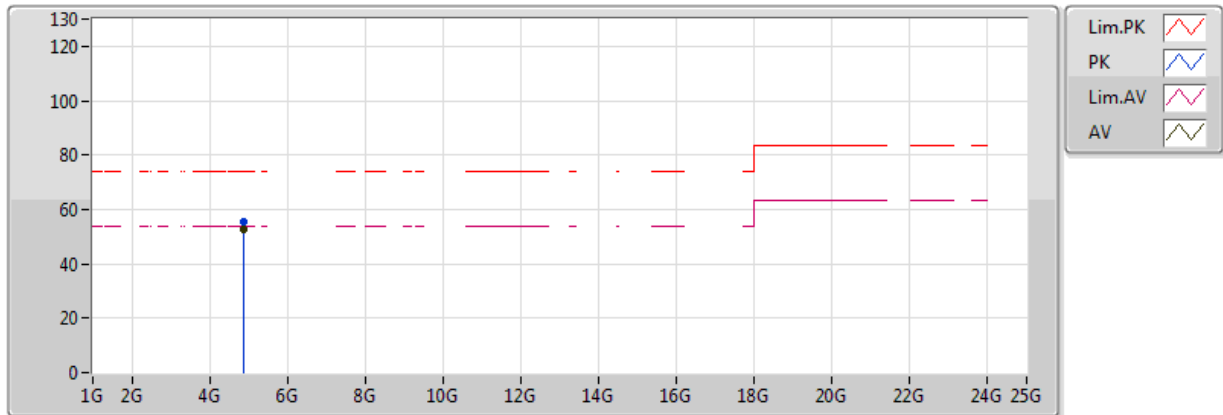


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	48.82	54.00	-5.18	2.63	3	V	172	1.89	-
PK	4.924G	51.76	74.00	-22.24	2.63	3	V	172	1.89	-

802.11b_(1Mbps)_1TX

2437MHz_TX

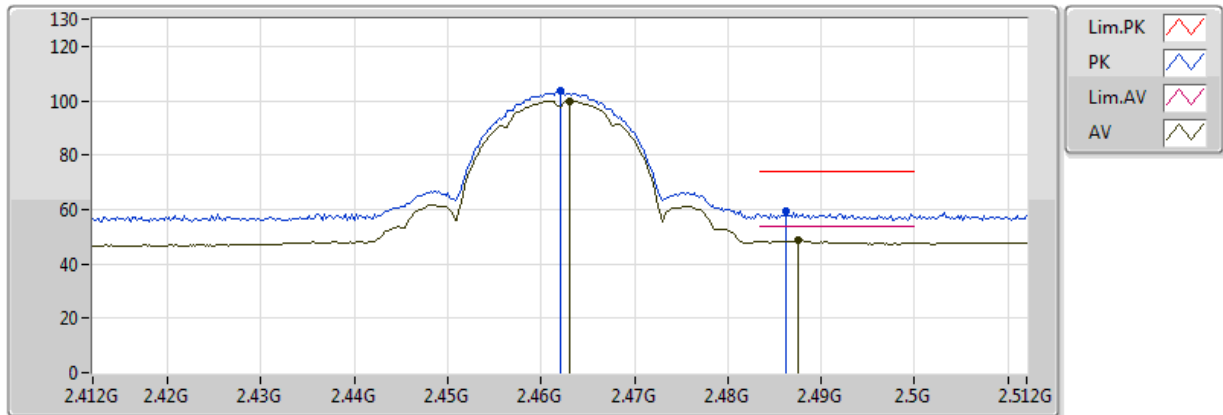


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	52.70	54.00	-1.30	2.55	3	H	214	1.97	-
PK	4.874G	55.47	74.00	-18.53	2.55	3	H	214	1.97	-

802.11b_(1Mbps)_1TX

2462MHz_TX

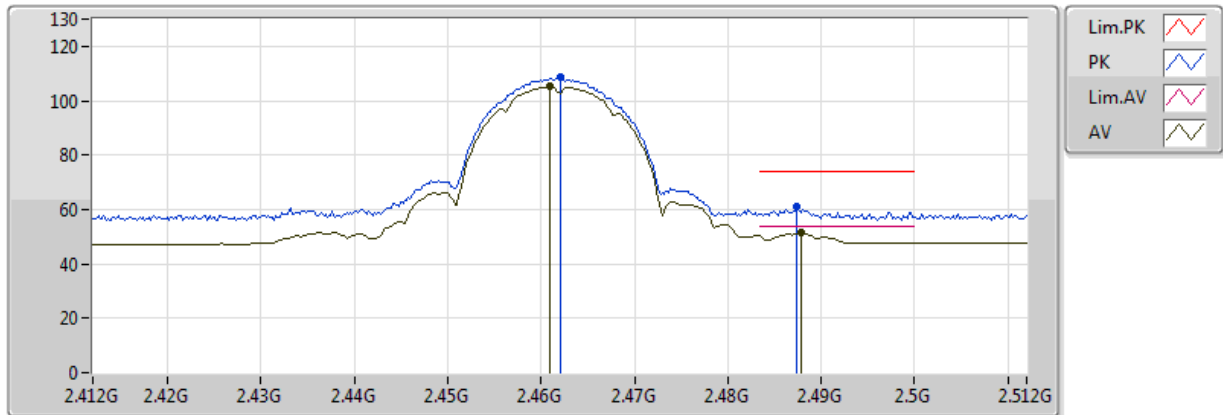


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.463G	99.93	Inf	-Inf	31.45	3	V	216	1.00	-
AV	2.4876G	48.49	54.00	-5.51	31.54	3	V	216	1.00	-
PK	2.462G	103.44	Inf	-Inf	31.45	3	V	216	1.00	-
PK	2.4862G	59.64	74.00	-14.36	31.54	3	V	216	1.00	-

802.11b_(1Mbps)_1TX

2462MHz_TX

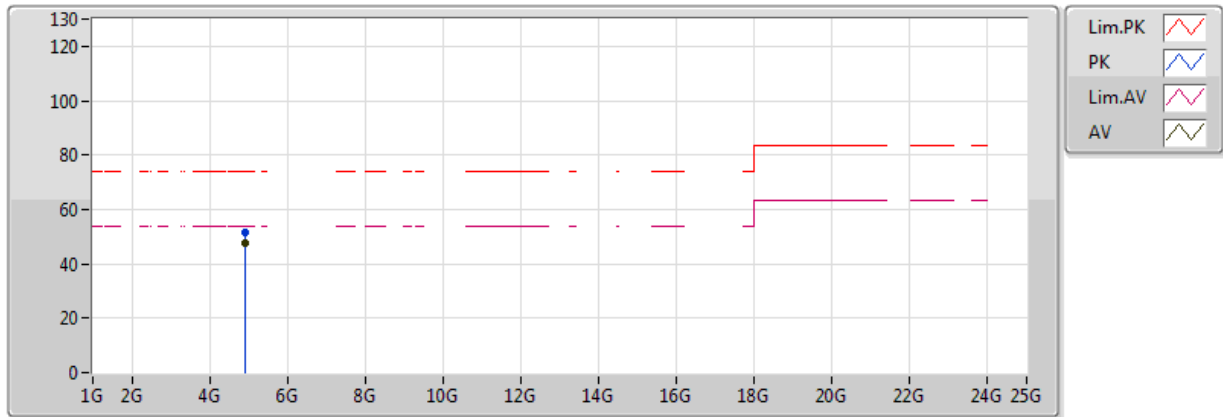


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.461G	105.16	Inf	-Inf	31.44	3	H	170	2.61	-
AV	2.4878G	51.51	54.00	-2.49	31.54	3	H	170	2.61	-
PK	2.462G	108.57	Inf	-Inf	31.45	3	H	170	2.61	-
PK	2.4874G	60.96	74.00	-13.04	31.54	3	H	170	2.61	-

802.11b_(1Mbps)_1TX

2462MHz_TX

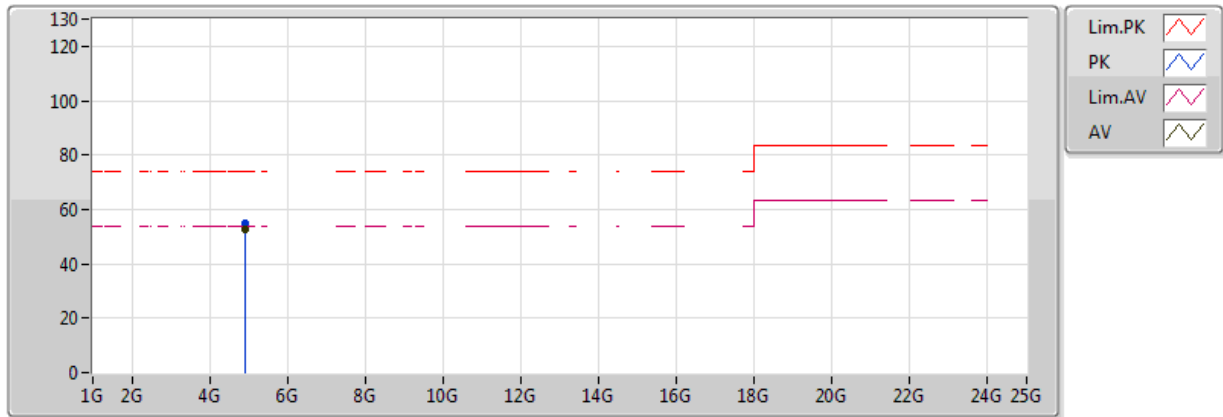


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	47.90	54.00	-6.10	2.63	3	V	171	1.91	-
PK	4.924G	51.80	74.00	-22.20	2.63	3	V	171	1.91	-

802.11b_(1Mbps)_1TX

2462MHz_TX

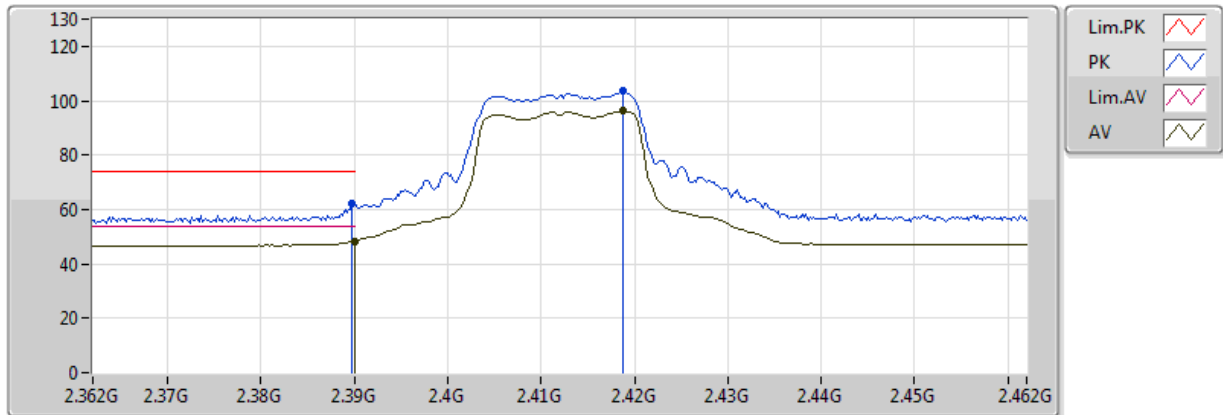


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	52.56	54.00	-1.44	2.63	3	H	218	3.67	-
PK	4.924G	55.04	74.00	-18.96	2.63	3	H	218	3.67	-

802.11g_(6Mbps)_1TX

2412MHz_TX

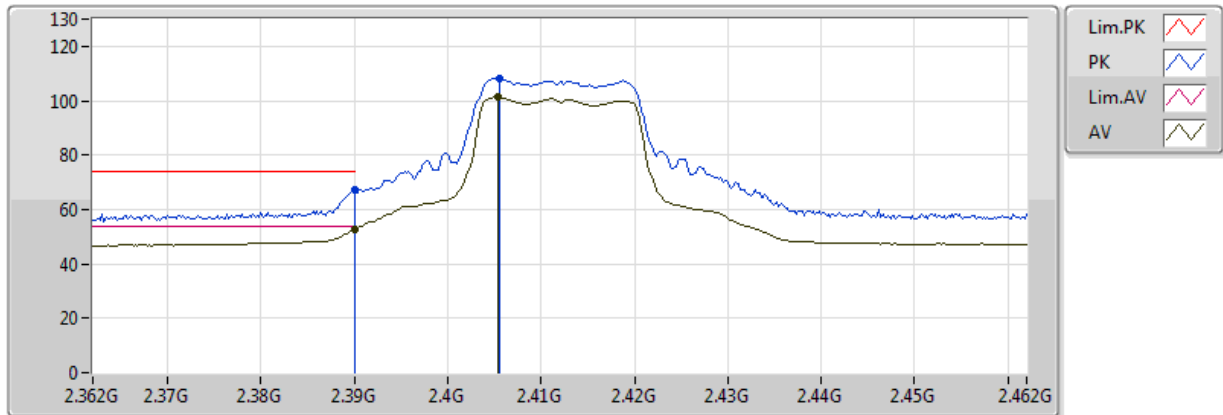


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	48.42	54.00	-5.58	31.17	3	V	142	3.69	-
AV	2.4188G	96.10	Inf	-Inf	31.28	3	V	142	3.69	-
PK	2.3898G	61.95	74.00	-12.05	31.17	3	V	142	3.69	-
PK	2.4188G	103.50	Inf	-Inf	31.28	3	V	142	3.69	-

802.11g_(6Mbps)_1TX

2412MHz_TX

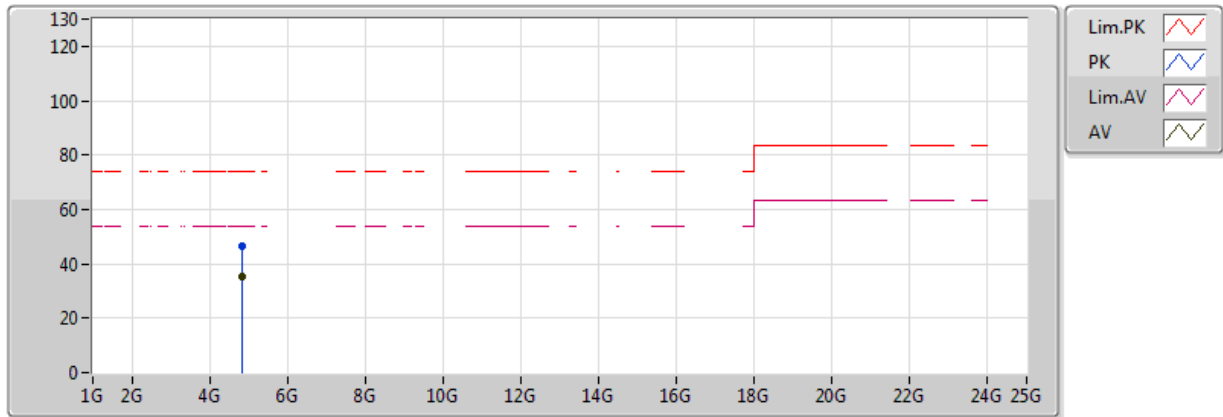


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	52.66	54.00	-1.34	31.17	3	H	165	2.19	-
AV	2.4054G	101.19	Inf	-Inf	31.23	3	H	165	2.19	-
PK	2.39G	67.05	74.00	-6.95	31.17	3	H	165	2.19	-
PK	2.4056G	108.07	Inf	-Inf	31.23	3	H	165	2.19	-

802.11g_(6Mbps)_1TX

2412MHz_TX

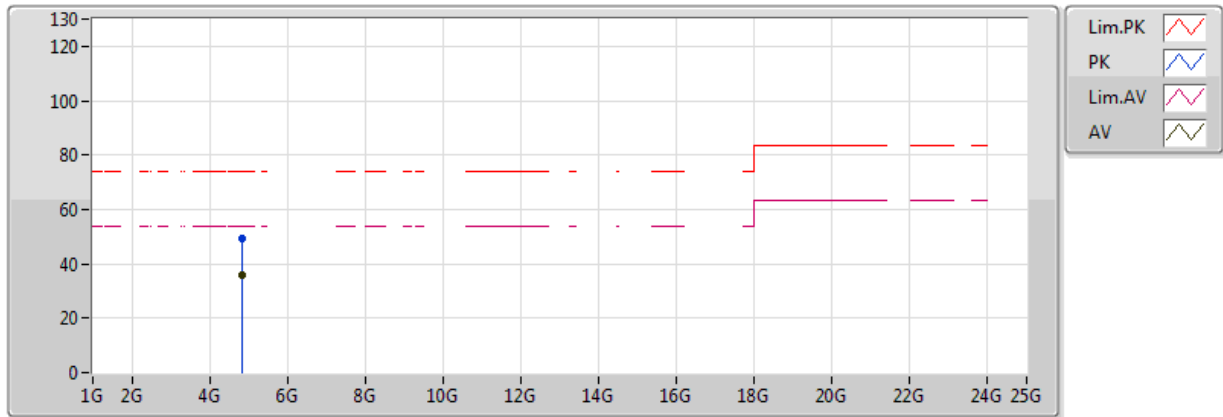


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	35.14	54.00	-18.86	2.48	3	V	11	1.04	-
PK	4.824G	46.32	74.00	-27.68	2.48	3	V	11	1.04	-

802.11g_(6Mbps)_1TX

2412MHz_TX

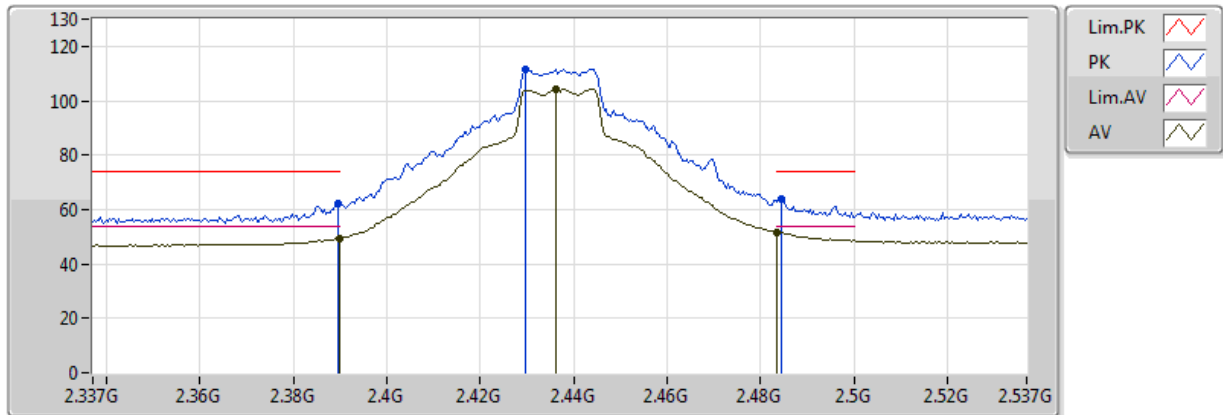


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	36.05	54.00	-17.95	2.48	3	H	337	2.03	-
PK	4.824G	49.51	74.00	-24.49	2.48	3	H	337	2.03	-

802.11g_(6Mbps)_1TX

2437MHz_TX

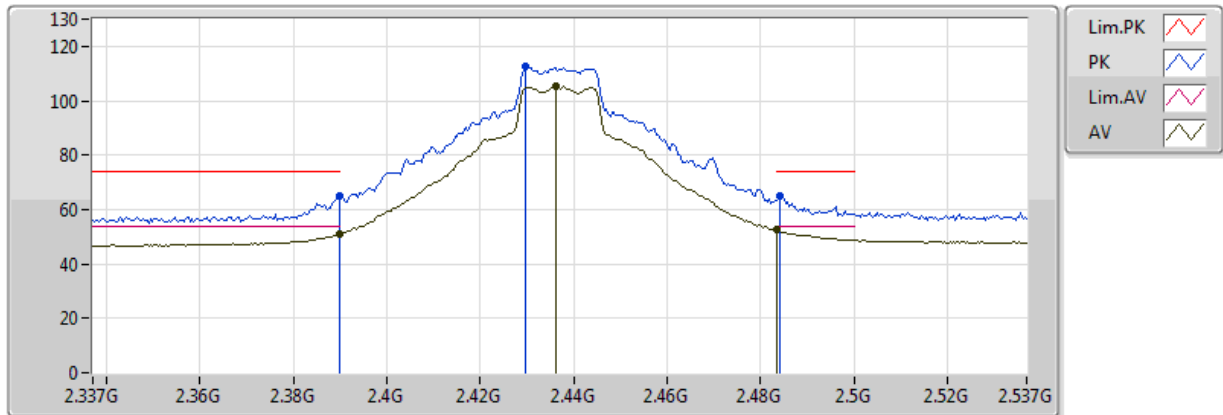


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	49.58	54.00	-4.42	31.17	3	V	164	3.59	-
AV	2.4362G	104.33	Inf	-Inf	31.35	3	V	164	3.59	-
AV	2.483502G	51.77	54.00	-2.23	31.53	3	V	164	3.59	-
PK	2.3894G	62.16	74.00	-11.84	31.17	3	V	164	3.59	-
PK	2.4298G	111.76	Inf	-Inf	31.32	3	V	164	3.59	-
PK	2.4846G	64.04	74.00	-9.96	31.53	3	V	164	3.59	-

802.11g_(6Mbps)_1TX

2437MHz_TX

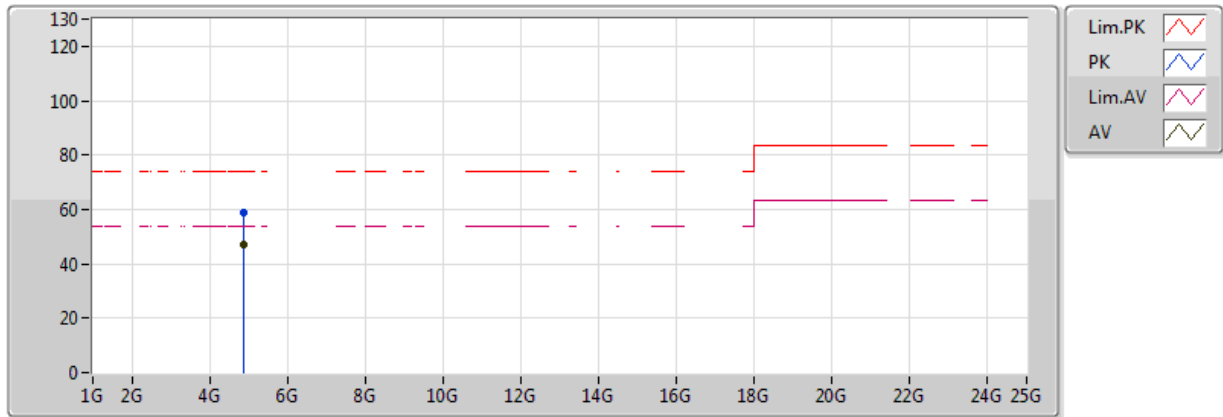


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	51.04	54.00	-2.96	31.17	3	H	358	1.15	-
AV	2.4362G	105.41	Inf	-Inf	31.35	3	H	358	1.15	-
AV	2.483502G	52.47	54.00	-1.53	31.53	3	H	358	1.15	-
PK	2.389998G	64.86	74.00	-9.14	31.17	3	H	358	1.15	-
PK	2.4298G	112.52	Inf	-Inf	31.32	3	H	358	1.15	-
PK	2.4842G	65.01	74.00	-8.99	31.53	3	H	358	1.15	-

802.11g_(6Mbps)_1TX

2437MHz_TX

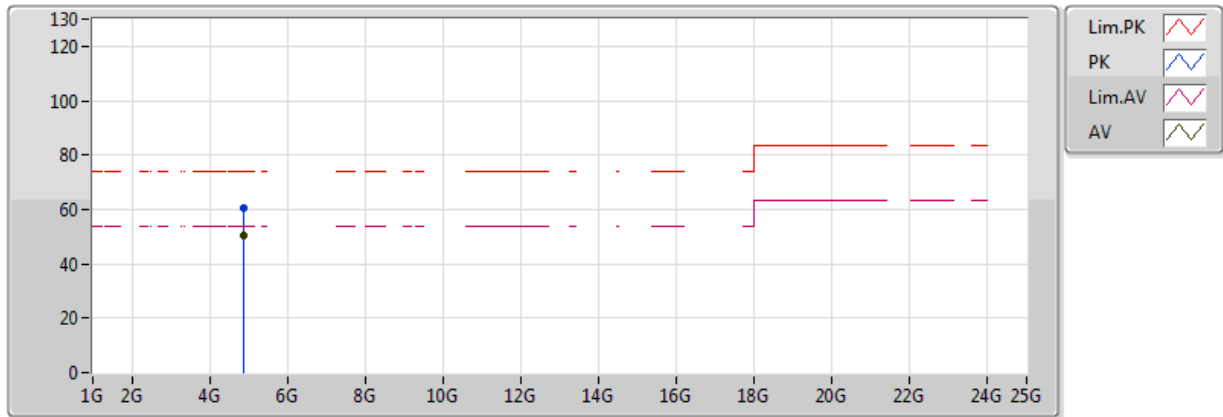


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	47.33	54.00	-6.67	2.55	3	V	338	2.45	-
PK	4.874G	58.63	74.00	-15.37	2.55	3	V	338	2.45	-

802.11g_(6Mbps)_1TX

2437MHz_TX

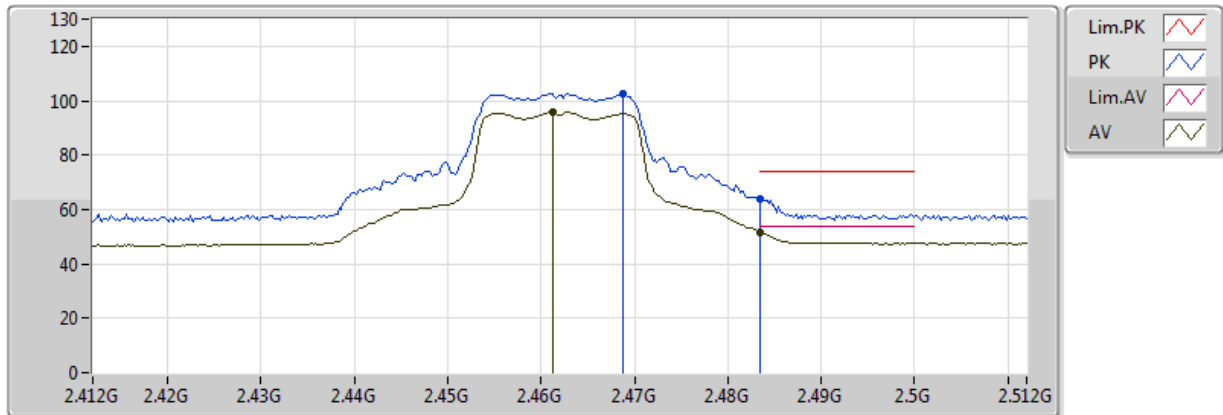


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	50.17	54.00	-3.83	2.55	3	H	213	2.18	-
PK	4.874G	60.38	74.00	-13.62	2.55	3	H	213	2.18	-

802.11g_(6Mbps)_1TX

2462MHz_TX

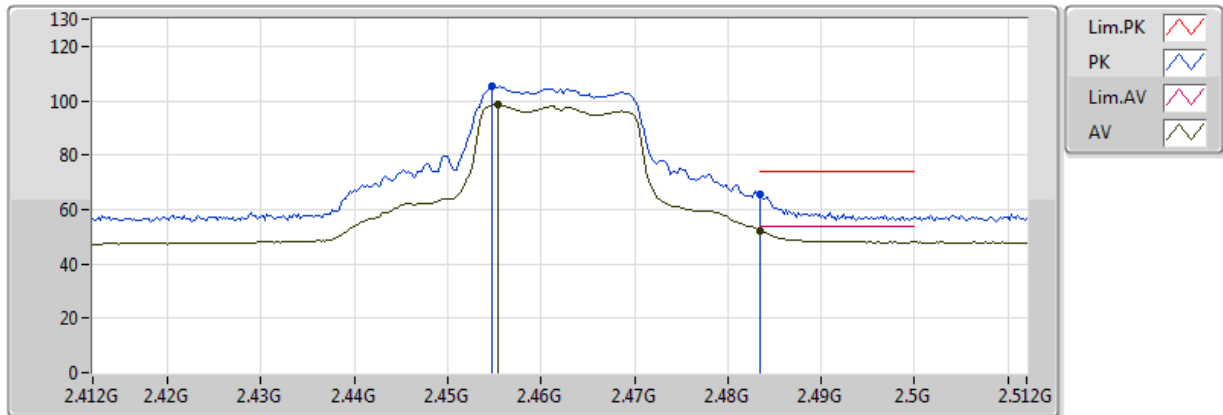


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4612G	95.74	Inf	-Inf	31.44	3	V	157	2.69	-
AV	2.483502G	51.79	54.00	-2.21	31.53	3	V	157	2.69	-
PK	2.4688G	102.46	Inf	-Inf	31.47	3	V	157	2.69	-
PK	2.483502G	64.05	74.00	-9.95	31.53	3	V	157	2.69	-

802.11g_(6Mbps)_1TX

2462MHz_TX

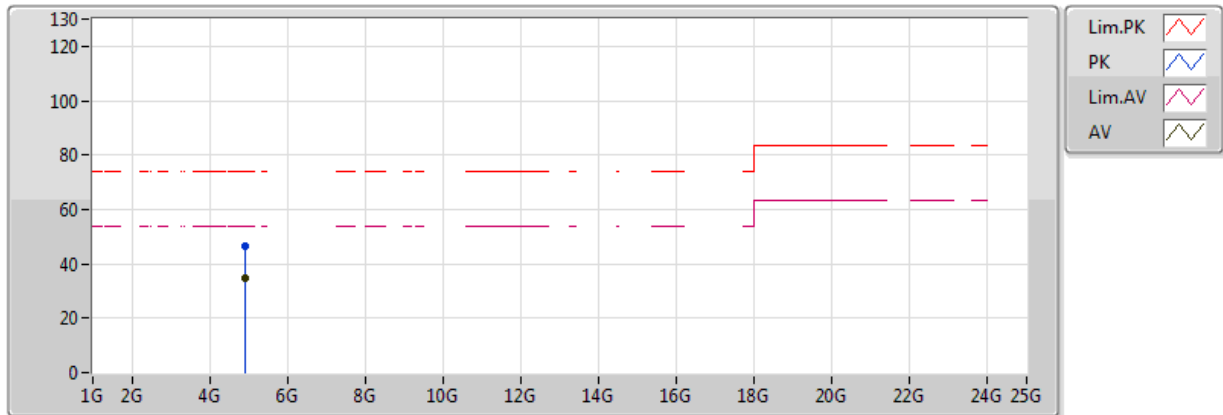


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4554G	98.39	Inf	-Inf	31.42	3	H	0	1.00	-
AV	2.483502G	52.29	54.00	-1.71	31.53	3	H	0	1.00	-
PK	2.4548G	105.11	Inf	-Inf	31.42	3	H	0	1.00	-
PK	2.483502G	65.41	74.00	-8.59	31.53	3	H	0	1.00	-

802.11g_(6Mbps)_1TX

2462MHz_TX

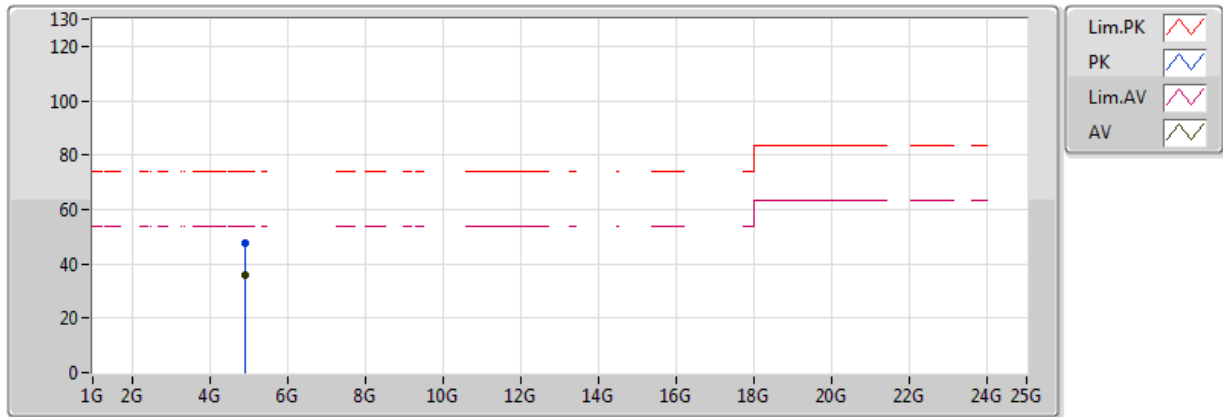


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	34.95	54.00	-19.05	2.63	3	V	360	1.50	-
PK	4.924G	46.23	74.00	-27.77	2.63	3	V	360	1.50	-

802.11g_(6Mbps)_1TX

2462MHz_TX

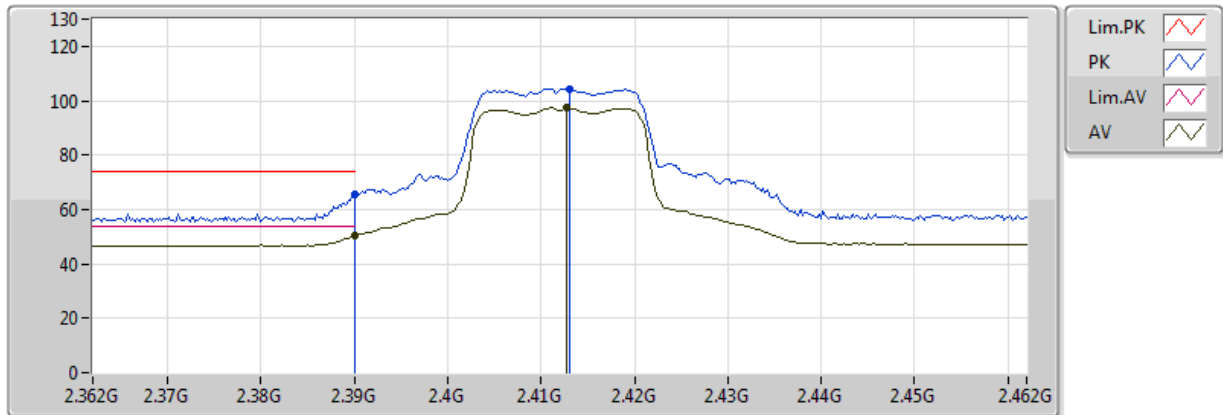


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	35.99	54.00	-18.01	2.63	3	H	0	1.50	-
PK	4.924G	47.63	74.00	-26.37	2.63	3	H	0	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

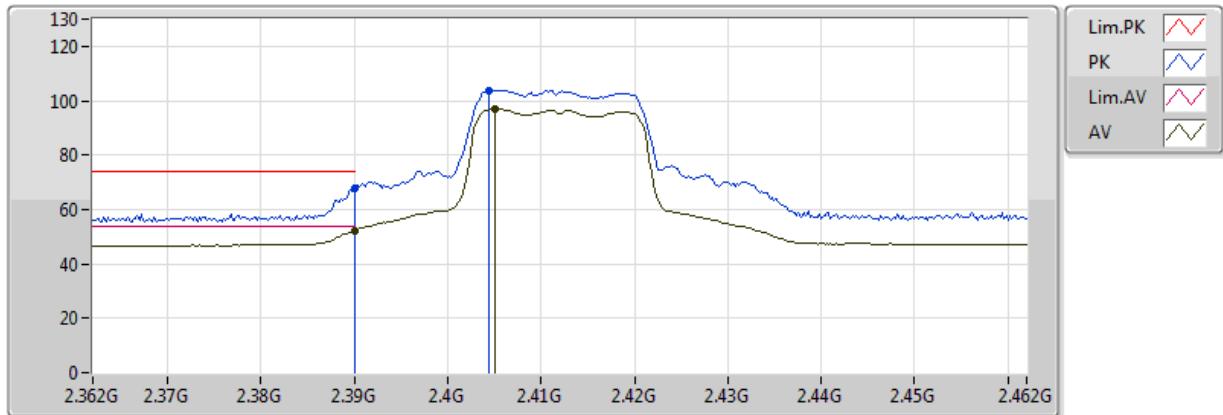


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	50.27	54.00	-3.73	31.17	3	V	164	3.69	-
AV	2.4128G	97.40	Inf	-Inf	31.26	3	V	164	3.69	-
PK	2.39G	65.51	74.00	-8.49	31.17	3	V	164	3.69	-
PK	2.413G	104.40	Inf	-Inf	31.26	3	V	164	3.69	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

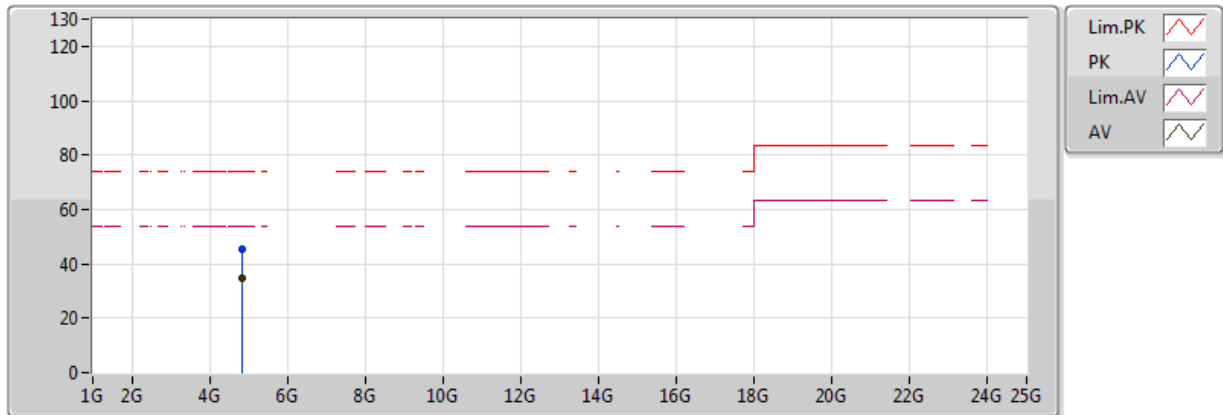


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	52.22	54.00	-1.78	31.17	3	H	341	1.01	-
AV	2.405G	97.03	Inf	-Inf	31.23	3	H	341	1.01	-
PK	2.39G	67.75	74.00	-6.25	31.17	3	H	341	1.01	-
PK	2.4044G	103.84	Inf	-Inf	31.23	3	H	341	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

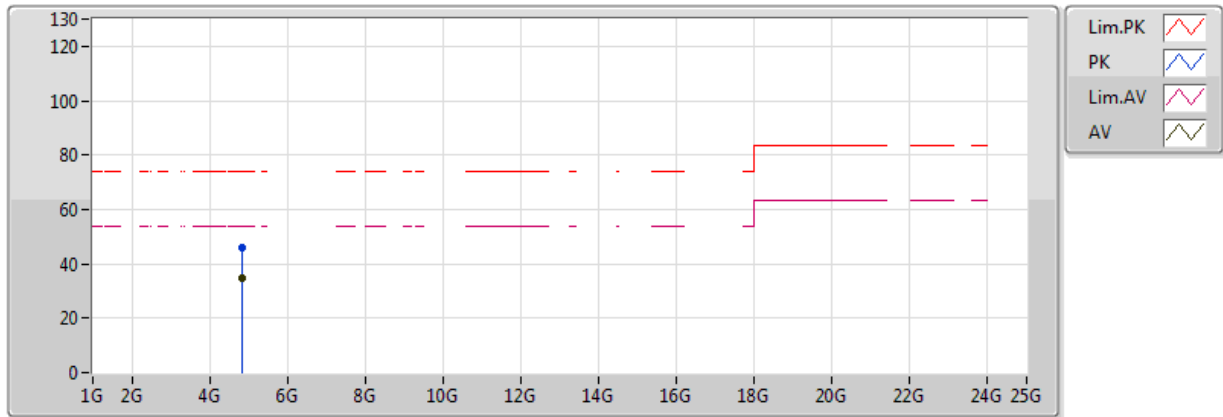


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	34.99	54.00	-19.01	2.48	3	V	0	1.50	-
PK	4.824G	45.58	74.00	-28.42	2.48	3	V	0	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

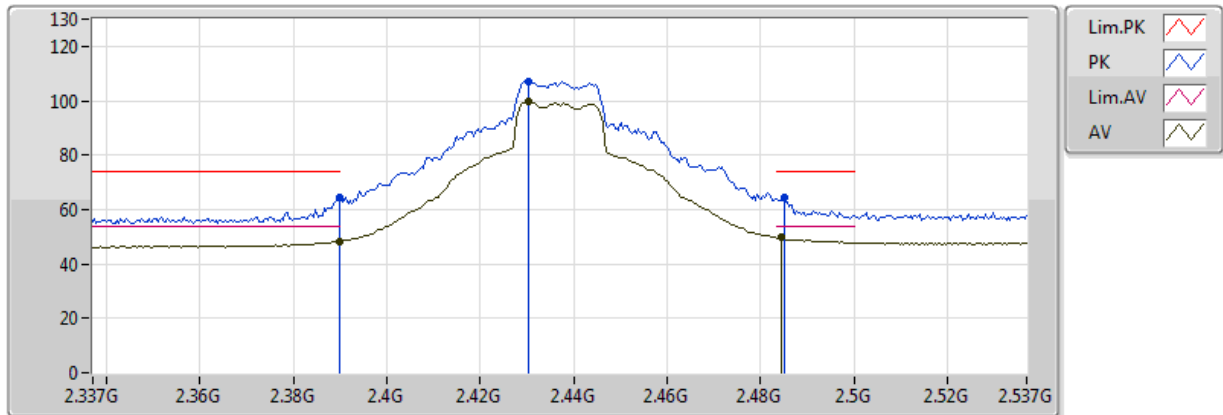


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	35.02	54.00	-18.98	2.48	3	H	360	1.50	-
PK	4.824G	45.75	74.00	-28.25	2.48	3	H	360	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

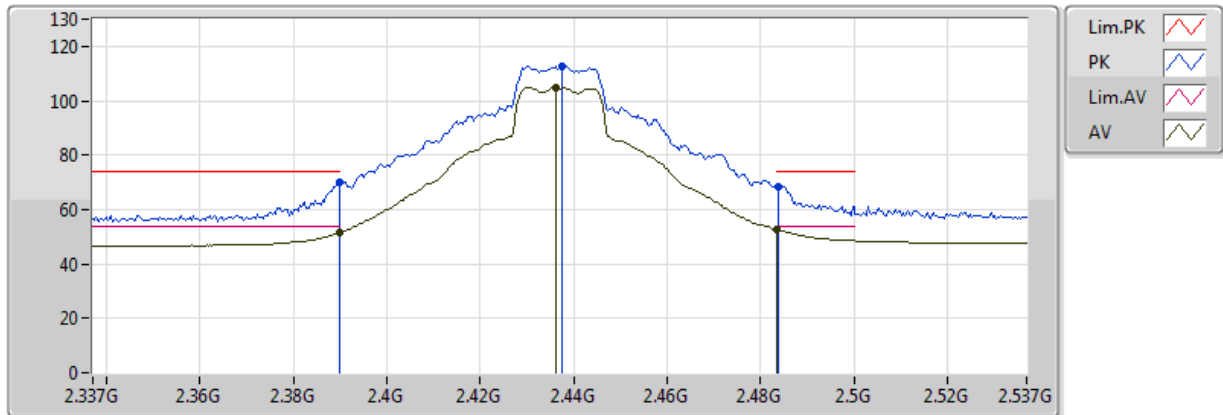


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	48.44	54.00	-5.56	31.17	3	V	216	1.03	-
AV	2.4302G	99.62	Inf	-Inf	31.32	3	V	216	1.03	-
AV	2.4846G	49.63	54.00	-4.37	31.53	3	V	216	1.03	-
PK	2.389998G	64.40	74.00	-9.60	31.17	3	V	216	1.03	-
PK	2.4302G	107.17	Inf	-Inf	31.32	3	V	216	1.03	-
PK	2.485G	64.23	74.00	-9.77	31.53	3	V	216	1.03	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

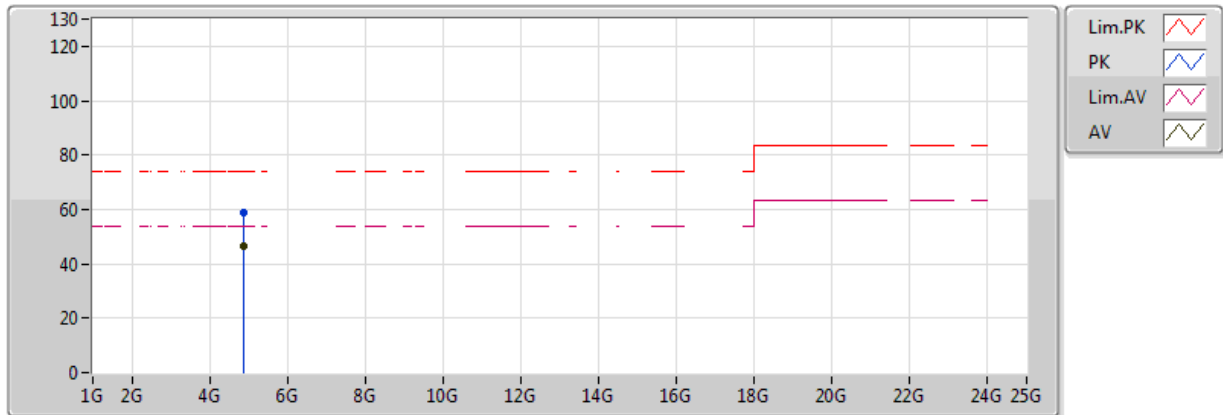


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	51.69	54.00	-2.31	31.17	3	H	354	1.15	-
AV	2.4362G	105.02	Inf	-Inf	31.35	3	H	354	1.15	-
AV	2.483502G	52.50	54.00	-1.50	31.53	3	H	354	1.15	-
PK	2.389998G	70.22	74.00	-3.78	31.17	3	H	354	1.15	-
PK	2.4374G	112.80	Inf	-Inf	31.35	3	H	354	1.15	-
PK	2.4838G	68.48	74.00	-5.52	31.53	3	H	354	1.15	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

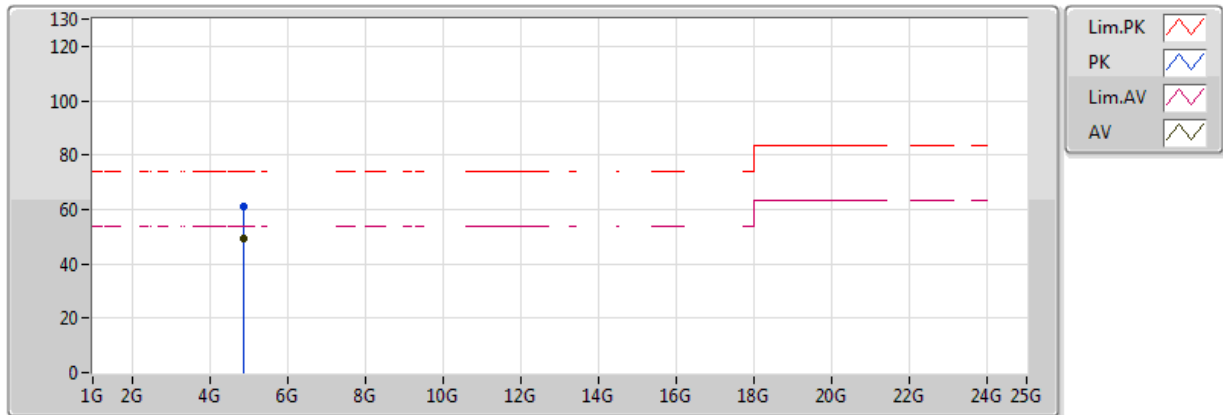


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	46.54	54.00	-7.46	2.55	3	V	175	3.63	-
PK	4.874G	58.56	74.00	-15.44	2.55	3	V	175	3.63	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

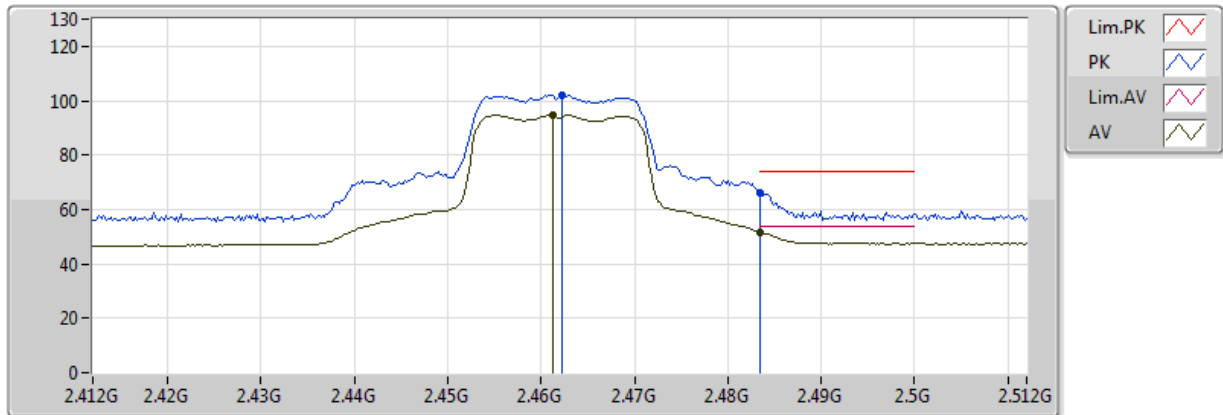


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	49.30	54.00	-4.70	2.55	3	H	214	2.17	-
PK	4.874G	60.95	74.00	-13.05	2.55	3	H	214	2.17	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

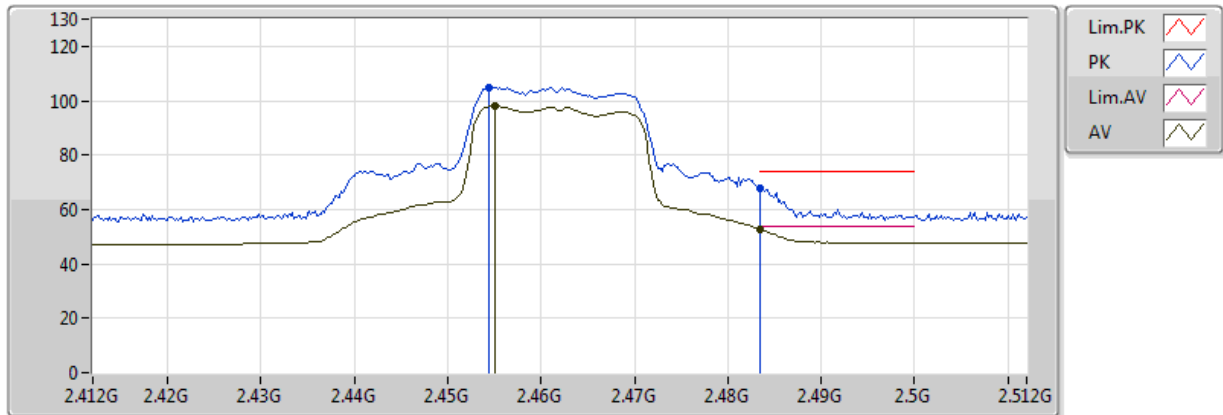


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4612G	94.92	Inf	-Inf	31.44	3	V	156	2.67	-
AV	2.483502G	51.81	54.00	-2.19	31.53	3	V	156	2.67	-
PK	2.4622G	102.09	Inf	-Inf	31.45	3	V	156	2.67	-
PK	2.483502G	65.85	74.00	-8.15	31.53	3	V	156	2.67	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

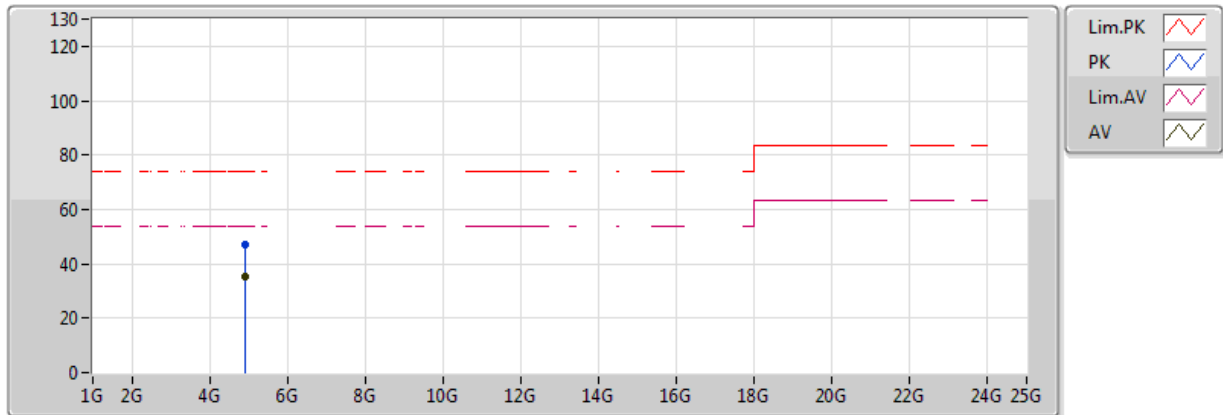


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.455G	98.09	Inf	-Inf	31.42	3	H	0	1.01	-
AV	2.483502G	52.71	54.00	-1.29	31.53	3	H	0	1.01	-
PK	2.4544G	104.84	Inf	-Inf	31.42	3	H	0	1.01	-
PK	2.483502G	68.07	74.00	-5.93	31.53	3	H	0	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

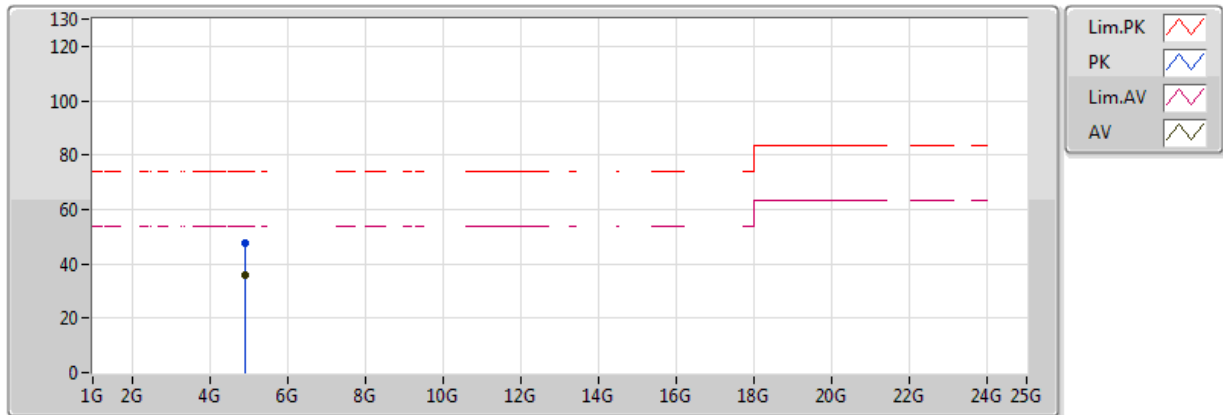


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	35.45	54.00	-18.55	2.63	3	V	360	1.50	-
PK	4.924G	47.00	74.00	-27.00	2.63	3	V	360	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

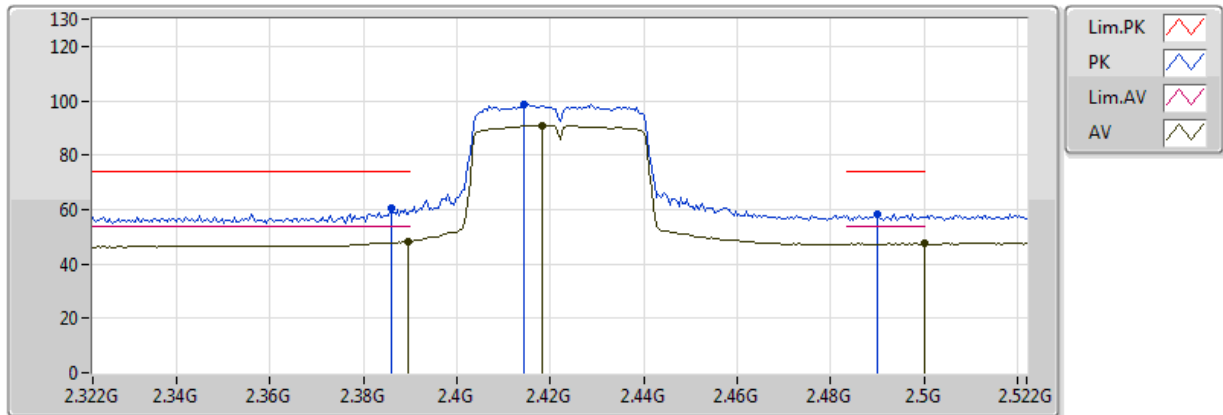


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	35.72	54.00	-18.28	2.63	3	H	0	1.50	-
PK	4.924G	47.72	74.00	-26.28	2.63	3	H	0	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

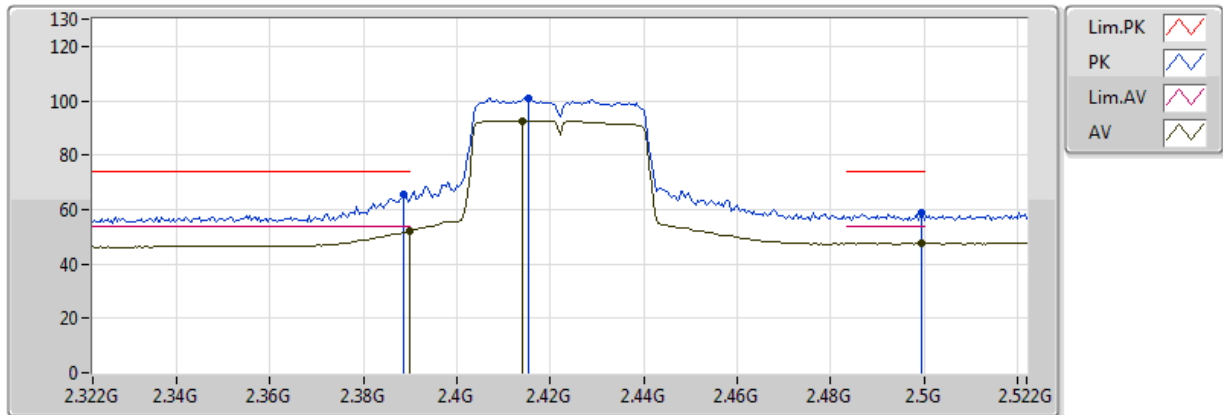


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	48.36	54.00	-5.64	31.17	3	V	146	3.69	-
AV	2.4184G	90.80	Inf	-Inf	31.28	3	V	146	3.69	-
AV	2.5G	47.50	54.00	-6.50	31.59	3	V	146	3.69	-
PK	2.386G	60.44	74.00	-13.56	31.16	3	V	146	3.69	-
PK	2.4144G	98.89	Inf	-Inf	31.26	3	V	146	3.69	-
PK	2.49G	58.37	74.00	-15.63	31.55	3	V	146	3.69	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

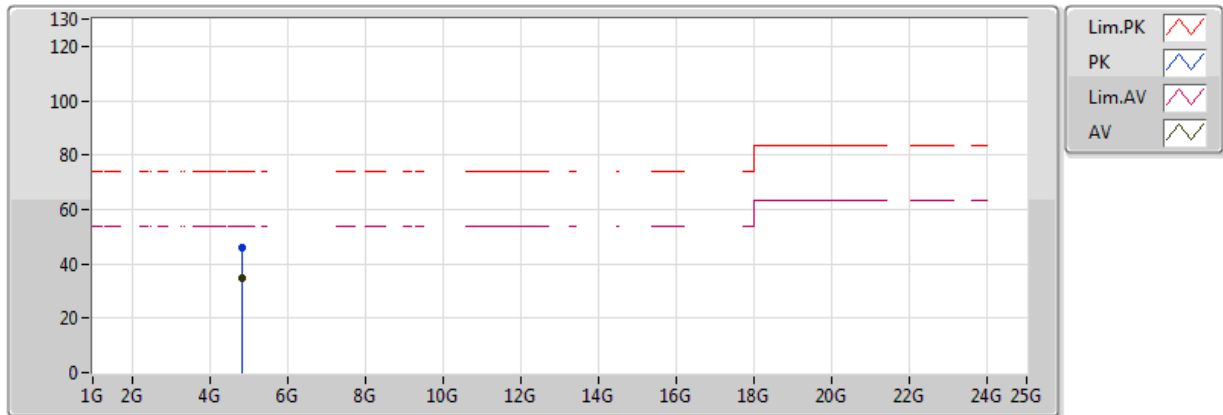


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	52.13	54.00	-1.87	31.17	3	H	357	1.22	-
AV	2.4996G	47.54	54.00	-6.46	31.59	3	H	357	1.22	-
AV	2.414G	92.58	Inf	-Inf	31.26	3	H	357	1.22	-
PK	2.4152G	100.82	Inf	-Inf	31.27	3	H	357	1.22	-
PK	2.3884G	65.34	74.00	-8.66	31.16	3	H	357	1.22	-
PK	2.4996G	58.72	74.00	-15.28	31.59	3	H	357	1.22	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

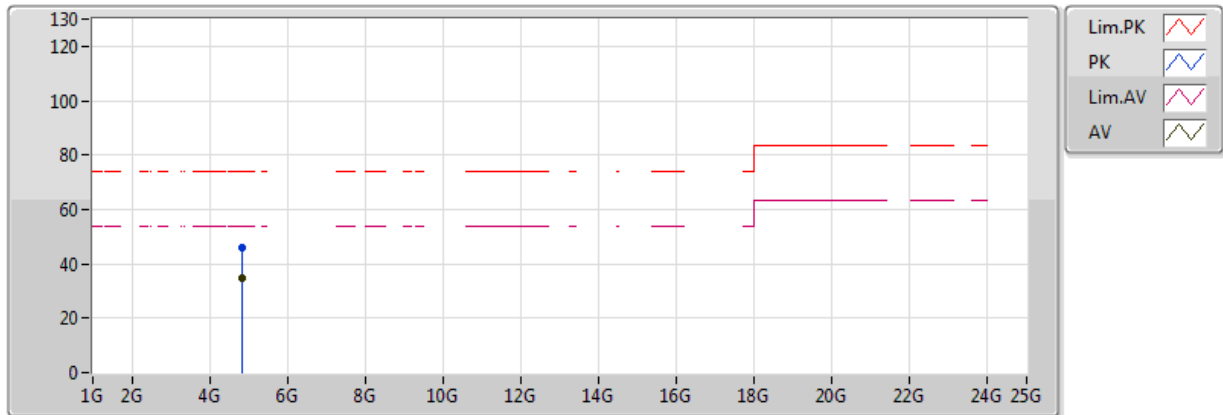


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	34.65	54.00	-19.35	2.51	3	V	0	1.50	-
PK	4.844G	45.81	74.00	-28.19	2.51	3	V	0	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

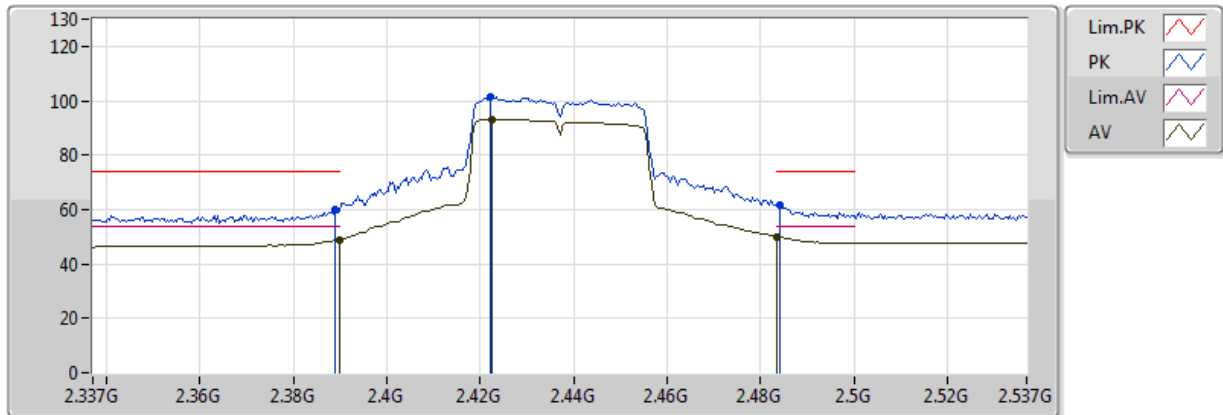


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	34.54	54.00	-19.46	2.51	3	H	360	1.50	-
PK	4.844G	46.03	74.00	-27.97	2.51	3	H	360	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

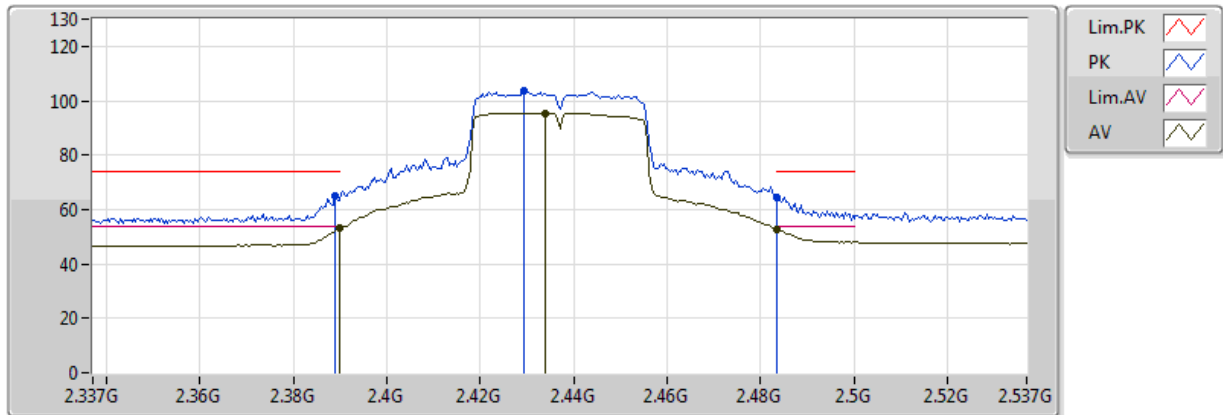


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	48.96	54.00	-5.04	31.17	3	V	144	3.69	-
AV	2.4226G	93.21	Inf	-Inf	31.30	3	V	144	3.69	-
AV	2.483502G	50.08	54.00	-3.92	31.53	3	V	144	3.69	-
PK	2.389G	59.69	74.00	-14.31	31.17	3	V	144	3.69	-
PK	2.4222G	101.40	Inf	-Inf	31.29	3	V	144	3.69	-
PK	2.4842G	61.38	74.00	-12.62	31.53	3	V	144	3.69	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

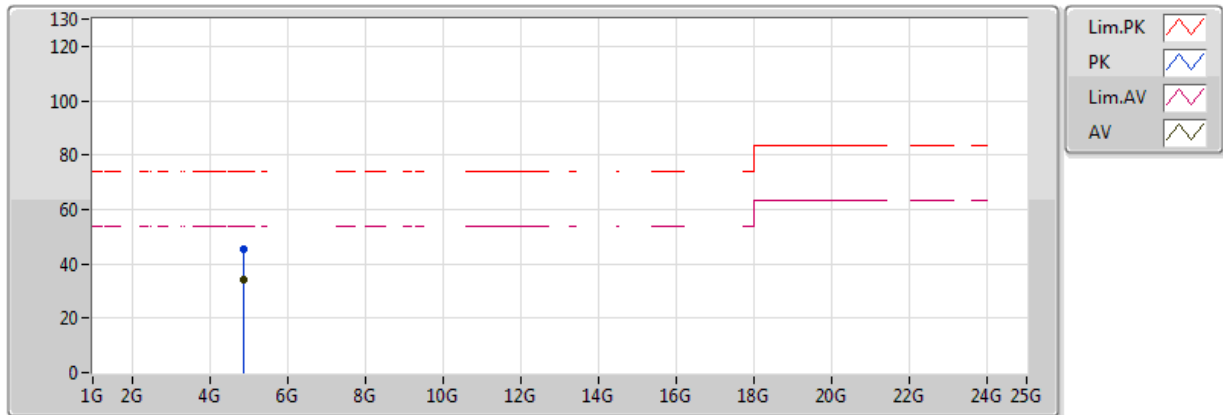


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	52.99	54.00	-1.01	31.17	3	H	357	1.17	-
AV	2.4338G	95.49	Inf	-Inf	31.34	3	H	357	1.17	-
AV	2.483502G	52.83	54.00	-1.17	31.53	3	H	357	1.17	-
PK	2.389G	64.98	74.00	-9.02	31.17	3	H	357	1.17	-
PK	2.4294G	103.42	Inf	-Inf	31.32	3	H	357	1.17	-
PK	2.483502G	64.33	74.00	-9.67	31.53	3	H	357	1.17	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

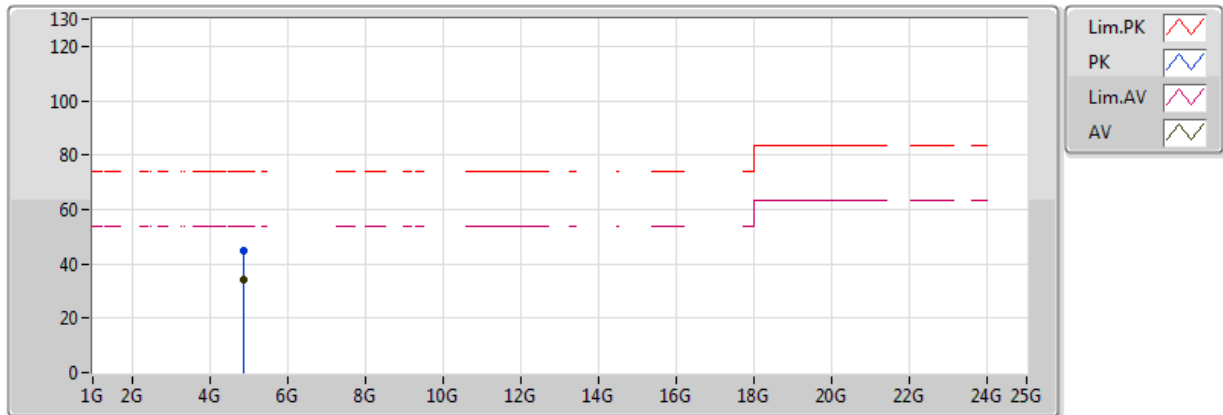


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	34.15	54.00	-19.85	2.55	3	V	360	1.50	-
PK	4.874G	45.65	74.00	-28.35	2.55	3	V	360	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

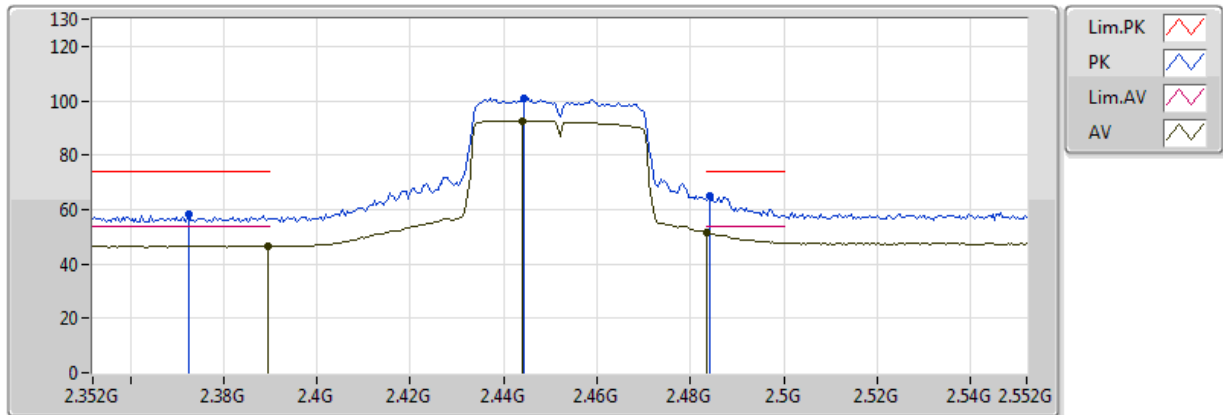


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	34.13	54.00	-19.87	2.55	3	H	0	1.50	-
PK	4.874G	44.62	74.00	-29.38	2.55	3	H	0	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

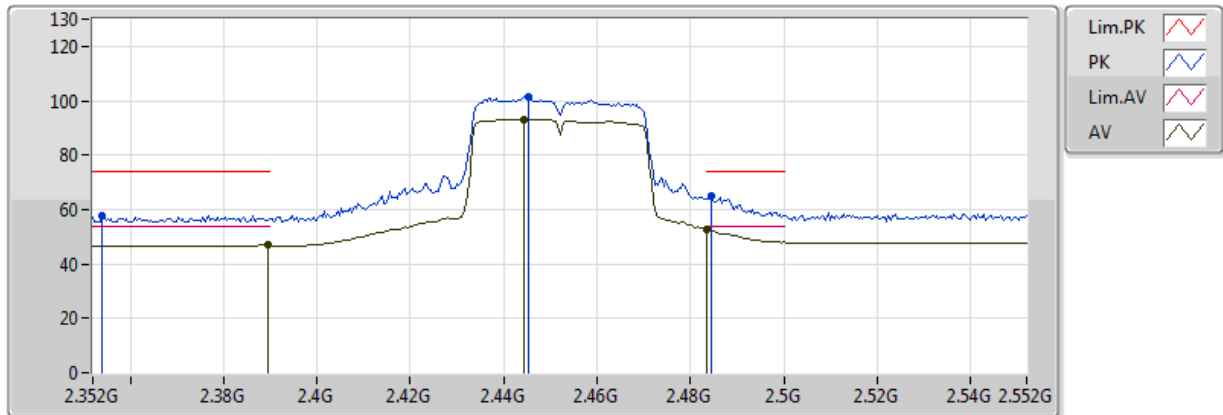


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.444G	92.73	Inf	-Inf	31.38	3	V	163	3.60	-
AV	2.3896G	46.65	54.00	-7.35	31.17	3	V	163	3.60	-
AV	2.4836G	51.43	54.00	-2.57	31.53	3	V	163	3.60	-
PK	2.4444G	100.94	Inf	-Inf	31.38	3	V	163	3.60	-
PK	2.3724G	58.05	74.00	-15.95	31.10	3	V	163	3.60	-
PK	2.484G	64.73	74.00	-9.27	31.53	3	V	163	3.60	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

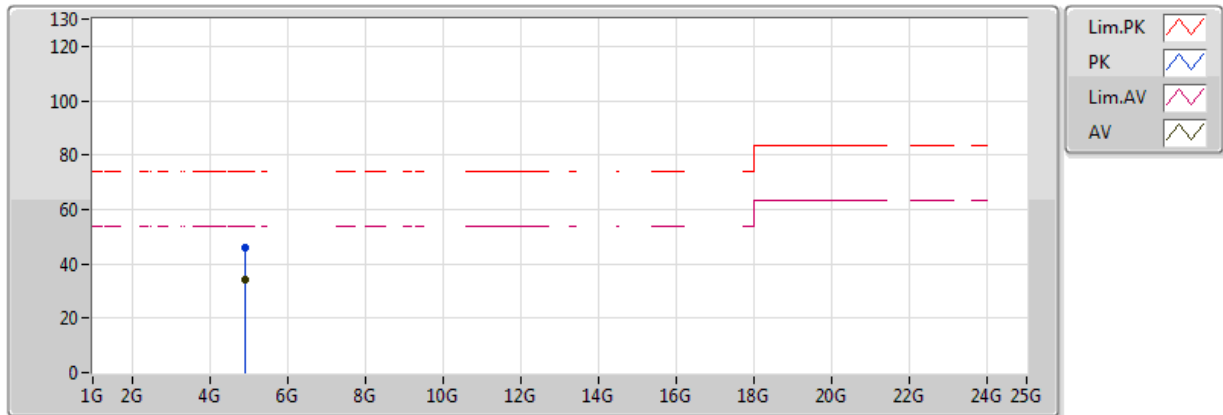


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	46.97	54.00	-7.03	31.17	3	H	358	1.41	-
AV	2.4444G	93.15	Inf	-Inf	31.38	3	H	358	1.41	-
AV	2.4836G	52.62	54.00	-1.38	31.53	3	H	358	1.41	-
PK	2.354G	57.98	74.00	-16.02	31.03	3	H	358	1.41	-
PK	2.4452G	101.36	Inf	-Inf	31.38	3	H	358	1.41	-
PK	2.4844G	65.05	74.00	-8.95	31.53	3	H	358	1.41	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

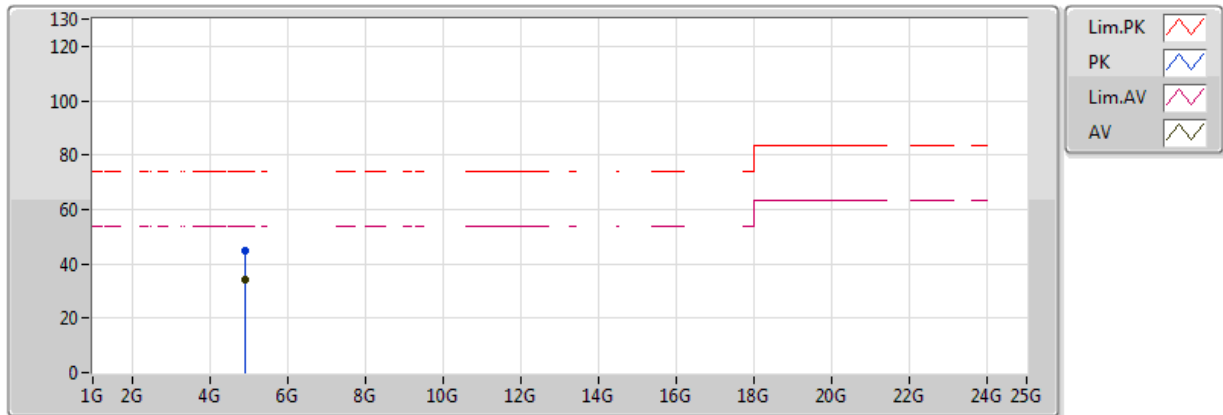


EUT = Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	34.23	54.00	-19.77	2.60	3	V	360	1.50	-
PK	4.904G	45.89	74.00	-28.11	2.60	3	V	360	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_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	4.904G	34.22	54.00	-19.78	2.60	3	H	0	1.50	-
PK	4.904G	45.02	74.00	-28.98	2.60	3	H	0	1.50	-