FCC RADIO TEST REPORT

FCC ID	:	BKMAE-8111
Equipment	:	ELPAP11
Brand Name	:	EPSON
Model Name	:	WN8111BEP
Applicant	:	Seiko Epson Corporation 3-3-5 Owa Suwa-shi, Nagano-ken 392-8502 Japan
Manufacturer	:	Arcadyan Technology Corporation No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Standard	:	47 CFR FCC Part 15.247

The product was received on Apr. 25, 2019, and testing was started from May 07, 2019 and completed on May 31, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, 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: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR942537AA	01	Initial issue of report	Jul. 05, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: Sandy Chuang

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.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)		
						WLAN 2.4GHz	WLAN 5GHz	Bluetooth
1	1	Wieson	GT128HT346C-001	Chip	N/A	0.71	4.64	0.71
2	2	Wieson	GT128HT346C-001	Chip	N/A	1.76	3.33	-

Note1: The above information was declared by manufacturer.

Note2: The EUT has two antennas.

<For 2.4GHz Band>

For IEEE 802.11b/g/n mode(1TX/1RX):

The EUT supports the antenna with TX and RX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The port 1 and port 2 were test for radiated emission test and the worst case was found in port 2. thus, it was selected to test and record for conducted.

<For 5GHz Band>

For IEEE 802.11a/n/ac mode(1TX/1RX):

The EUT supports the antenna with TX and RX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used at one time.

The port 1 and port 2 were test for radiated emission test and the worst case was found in port 1. thus, it was selected to test and record for conducted.

<For Bluetooth>

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.997	0.01	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	0.987	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	0.975	0.11	950.625u	3k

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Vmware Workstation 15 Player(version 13.10.246.144)			

Note: The above information was declared by manufacturer.

1.2 Applicable 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
- FCC KDB 558074 D01 v05r02

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
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Ekko Heieh	21~24°C / 50~59%	May 07, 2019~ May 31, 2019
Radiated (Below 1GHz)	03CH03-CB	Cola Fan	25~27°C / 55~65%	May 20, 2019~ May 25, 2019
Radiated (Above 1GHz)	03CH06-CB	Brian Sun	22~24°C / 50~60%	May 07, 2019~ May 31, 2019
AC Conduction	CO02-CB	GN Hou	22.1~23.8°C / 61~63%	May 22, 2019

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086B with Industry Canada.

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)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	1.3 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	65
2437MHz	67
2462MHz	70
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	62
2417MHz	72
2437MHz	75
2457MHz	73
2462MHz	59
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	59
2417MHz	67
2437MHz	75
2457MHz	68
2462MHz	55
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	51
2427MHz	56
2437MHz	63
2447MHz	53
2452MHz	50

2.2 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	2.4GHz + Bluetooth
2	5GHz + Bluetooth
For operating mode 2 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
1	Ant. 2

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	Place EUT in Z axis + 2.4GHz + Bluetooth
2	Place EUT in Z axis + 5GHz + Bluetooth
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	Place EUT in Y axis + 2.4GHz + Bluetooth
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position. The worst case was found at Z axis, thus the measurement will follow this same test configuration.	
1	Ant. 1 + Place EUT in Z axis
2	Ant. 2 + Place EUT in Z axis

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PC	SAIVIA	SGH8190LP1	N/A
B	LCD Monitor	DELL	E1913C	N/A
C	Printer	EPSON	LQ-300+	N/A
D	Modem	ACEEX	DM1414	N/A
E	Keyboard	iCooky	SK068	N/A
F	Mouse	Logitech	Logitech	N/A
G	2.4/5G AP	ASUS	RP-N53	MSQ-RPN53
H	Bluetooth Speaker	MARUS	MSK06C-RD	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	Acer	Z5WBH	N/A
B	Bluetooth Speaker	MARUS	MSK06C-RD	N/A
C	WLAN AP	Netgear	R8000	N/A
D	Earphone	SHYARO CHI	MIC-04	N/A
E	Mouse	Logitech	M-U0026	N/A
F	Notebook	DELL	E4300	N/A

For Radiated (above 1GHz):

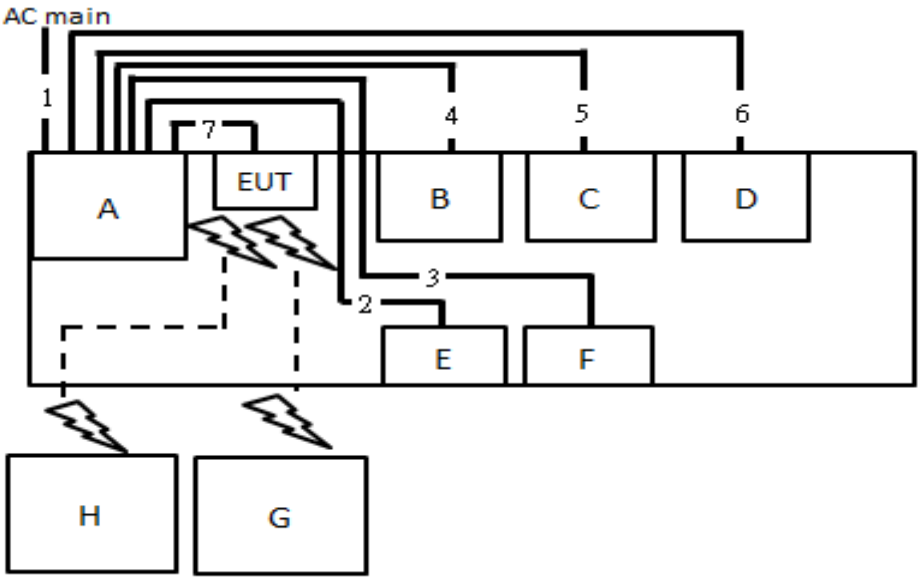
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	Acer	Z5WBH	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	Acer	Z5WBH	N/A

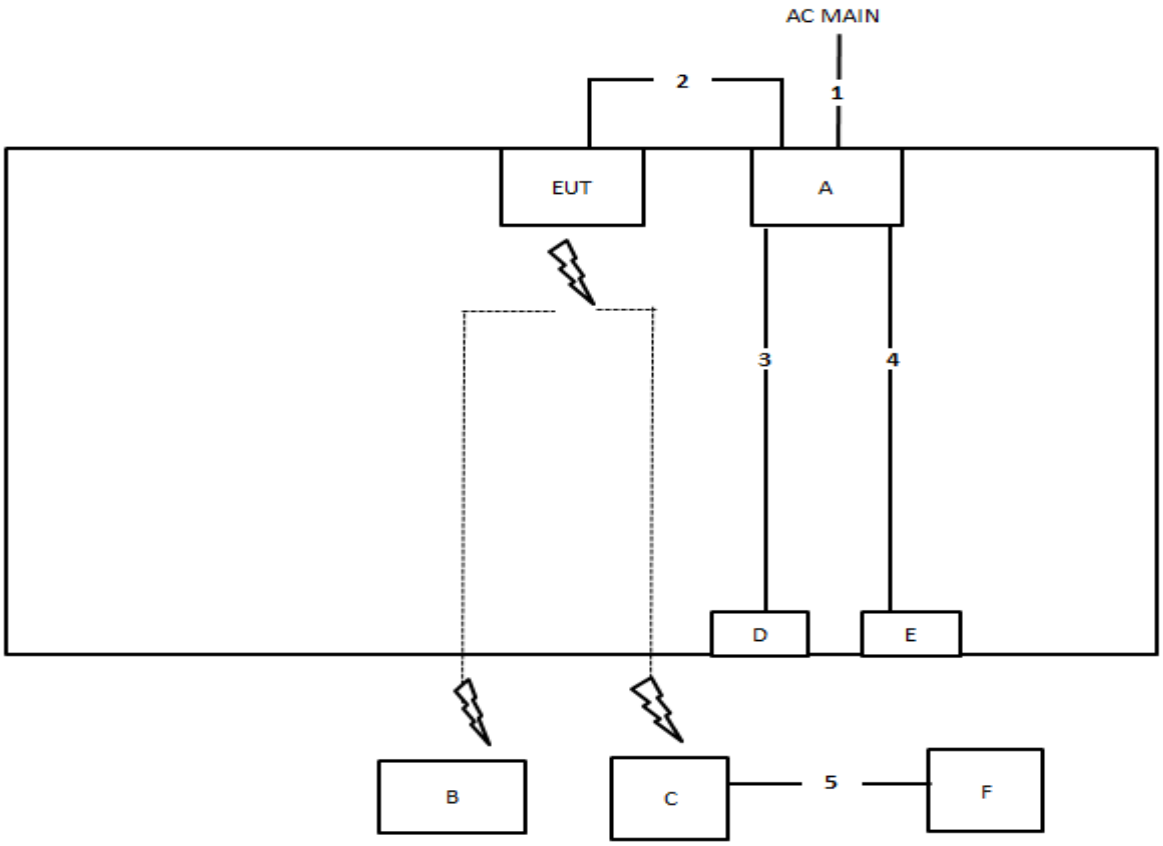
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



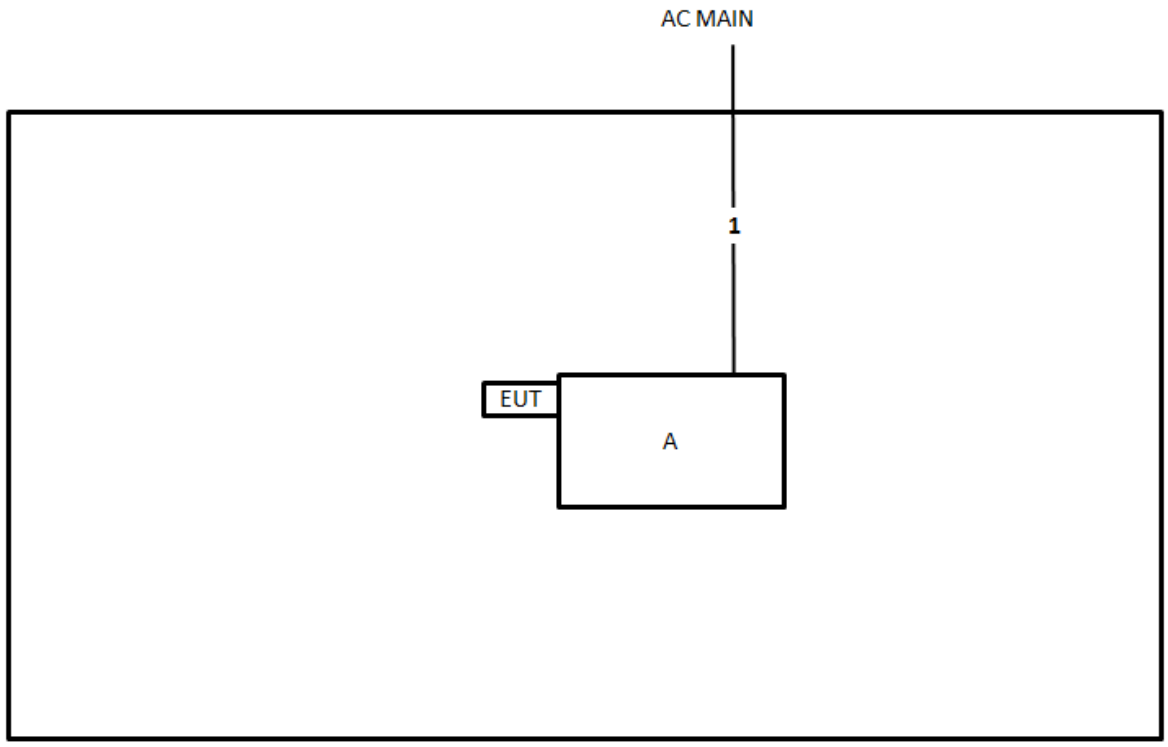
Item	Connection	Shielded	Length
1	Power cable	No	1m
2	USB cable	Yes	1.8m
3	USB cable	Yes	1.8m
4	VGA cable	Yes	1.8m
5	USB cable	Yes	1.8m
6	RS-232 cable	Yes	1.8m
7	USB cable	Yes	1.8m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	USB cable	Yes	1.0m
3	Audio cable	No	1.1m
4	USB cable	Yes	1.8m
5	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.6m

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

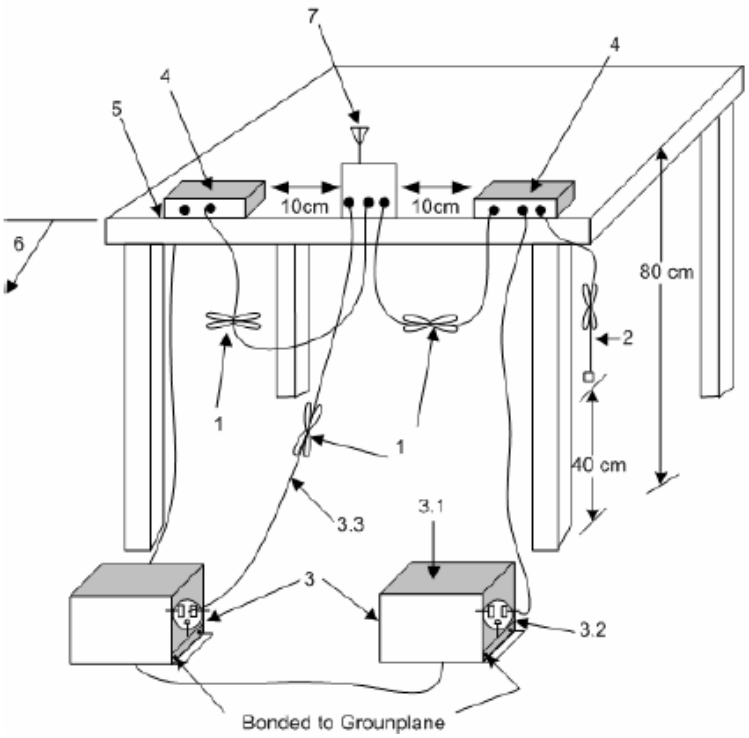
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 ≥ 500 kHz.

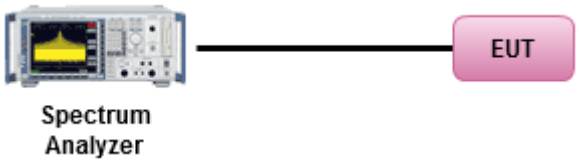
3.2.2 Measuring Instruments

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 FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


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
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

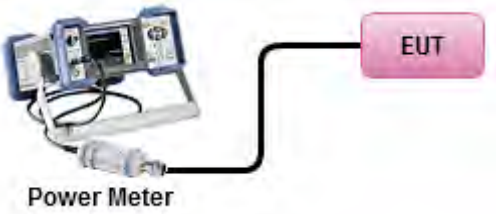
3.3.2 Measuring Instruments

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 FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix 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

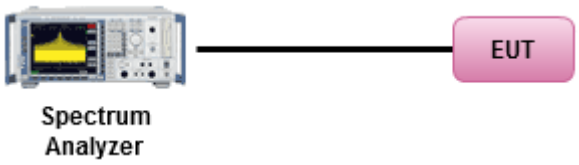
Refer a test equipment and calibration data table in this test report.

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 FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.2 Method PKPSD.
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.3 Method AVGPSD-1.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.5 Method AVGPSD-2.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.7 Method AVGPSD-3.
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.4 Method AVGPSD-1A. (alternative).
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPSD-2A. (alternative)
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.8 Method AVGPSD-3A. (alternative)
▪ For conducted measurement.	
	▪ If The EUT supports multiple transmit chains using options given below:
	☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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.
	☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,

		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup

Power Spectral Density


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 (dBc)**
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.	

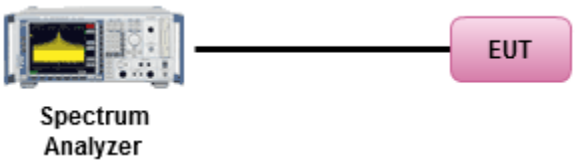
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix 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.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

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

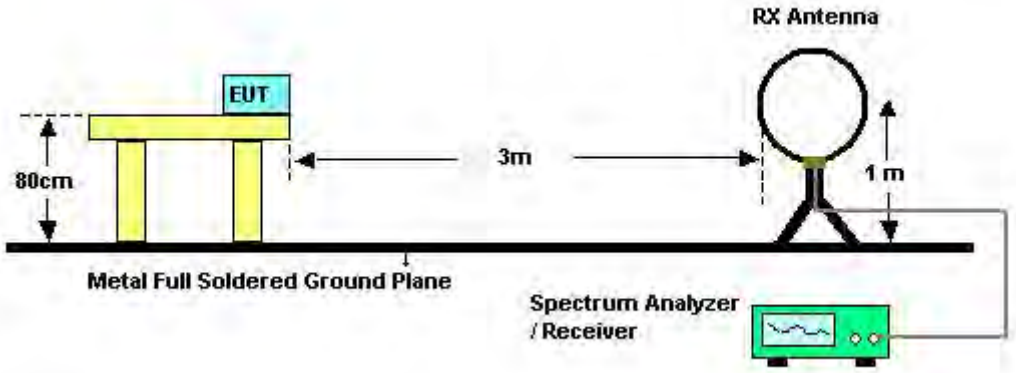
3.6.3 Test Procedures

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 FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, 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 FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).		
	▪ 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 FCC 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.		

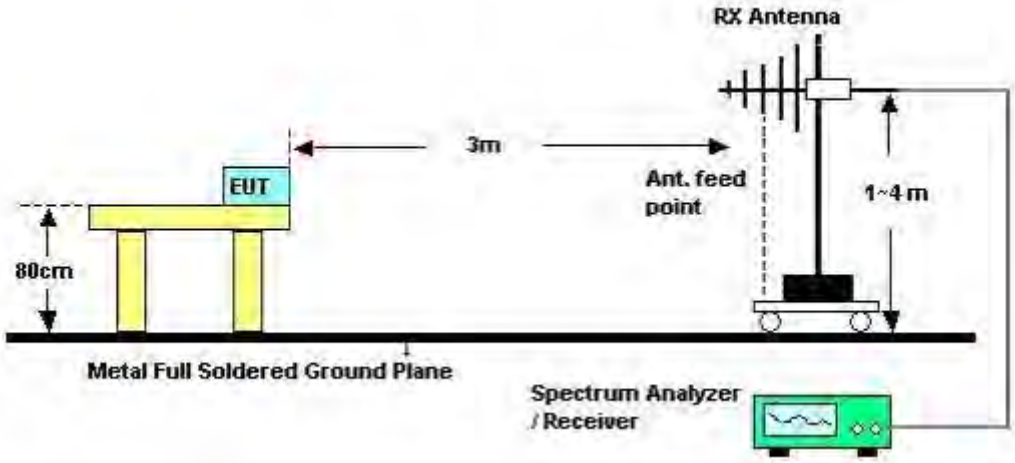
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

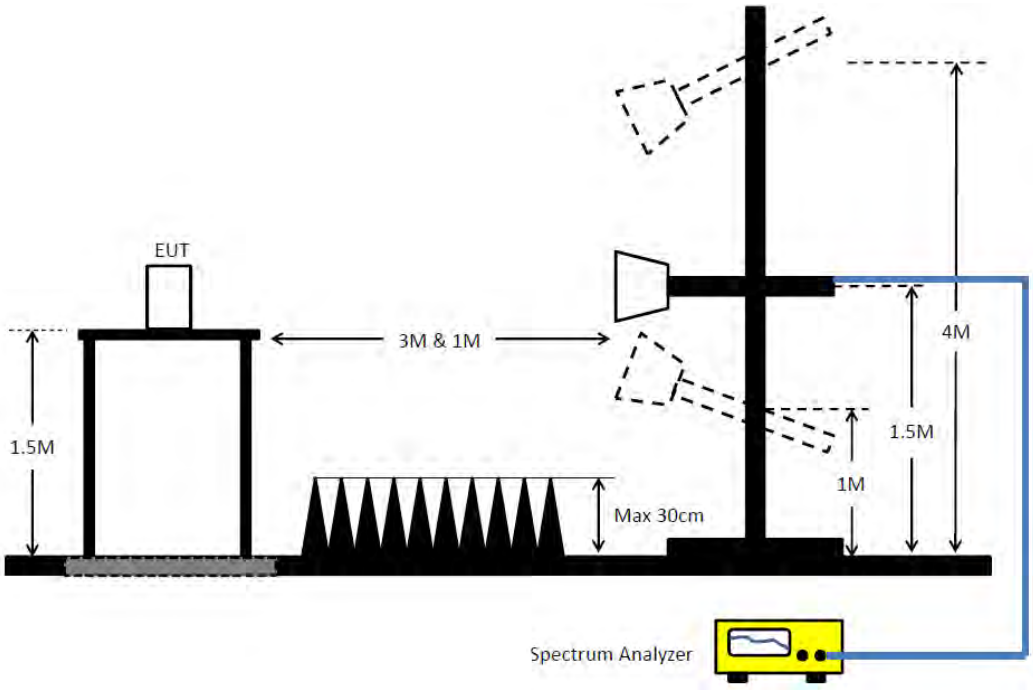
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

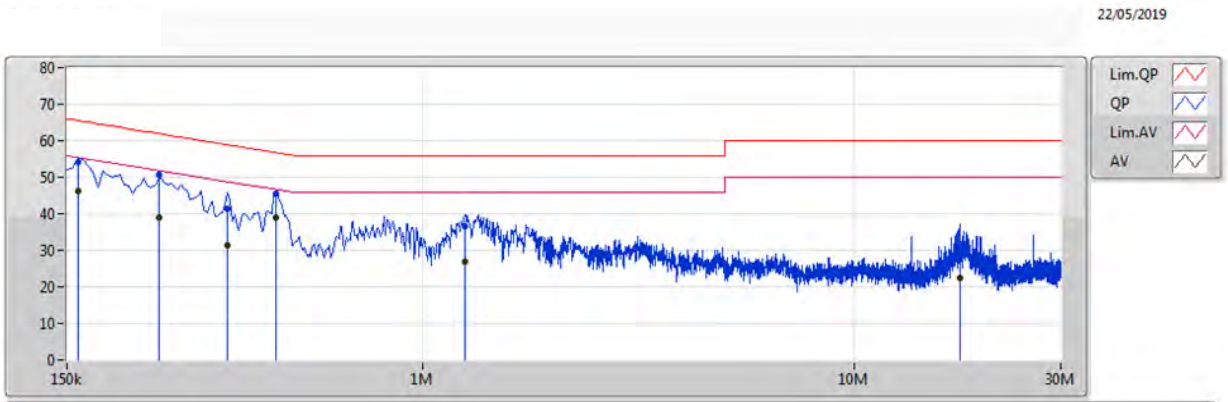
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2018	Nov. 20, 2019	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 05, 2018	Nov. 04, 2019	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 16, 2019	Jan. 15, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 06, 2018	Nov. 05, 2019	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH03-CB)
Bilog Antenna	Schaffner	CBL6112B & N-6-06	2928 & AT-N0607	20MHz ~ 2GHz	Jan. 02, 2019	Jan. 01, 2020	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 16, 2019	Jan. 15, 2020	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH03-CB)
Low Cable	Woken	RG402	Low Cable-02+27	25MHz ~ 1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH03-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 20, 2018	Jul. 19, 2019	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH06-CB)
RF Cable	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.

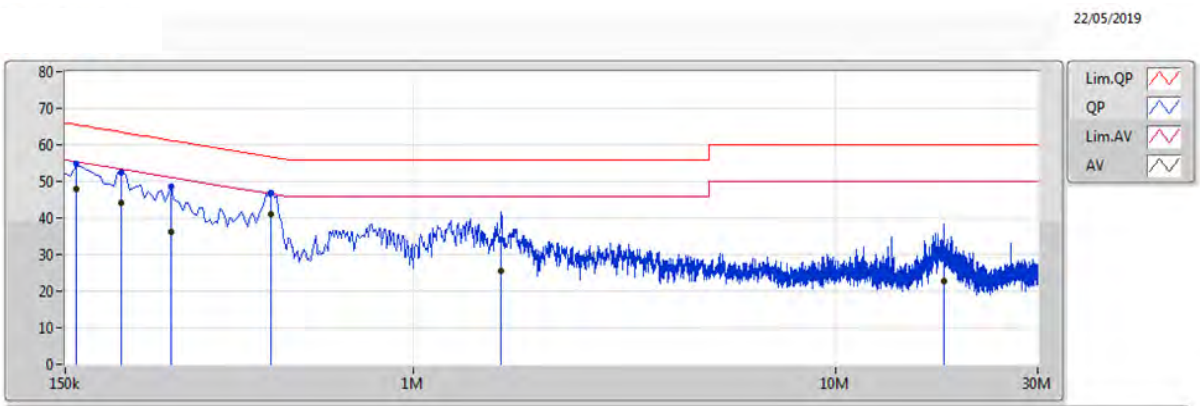
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Line
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	54.21	65.52	-11.31	10.17	Line	-	44.04	0.05	0.02	10.10
AV	159k	46.36	55.52	-9.16	10.17	Line	-	36.19	0.05	0.02	10.10
QP	244.5k	50.80	61.95	-11.15	10.17	Line	-	40.63	0.05	0.02	10.10
AV	244.5k	39.04	51.95	-12.91	10.17	Line	-	28.87	0.05	0.02	10.10
QP	352.5k	41.40	58.91	-17.51	10.18	Line	-	31.22	0.06	0.02	10.10
AV	352.5k	31.32	48.91	-17.59	10.18	Line	-	21.14	0.06	0.02	10.10
QP	456k	45.65	56.76	-11.11	10.18	Line	-	35.47	0.06	0.02	10.10
AV	456k	38.97	46.76	-7.79	10.18	Line	"Worst"	28.79	0.06	0.02	10.10
QP	1.253M	36.43	56.00	-19.57	10.21	Line	-	26.22	0.08	0.03	10.10
AV	1.253M	26.73	46.00	-19.27	10.21	Line	-	16.52	0.08	0.03	10.10
QP	17.493M	31.35	60.00	-28.65	10.49	Line	-	20.86	0.26	0.12	10.11
AV	17.493M	22.34	50.00	-27.66	10.49	Line	-	11.85	0.26	0.12	10.11

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	2	**Power Phase**	Neutral
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	54.75	65.52	-10.77	10.15	Neutral	-	44.60	0.03	0.02	10.10
AV	159k	48.04	55.52	-7.48	10.15	Neutral	-	37.89	0.03	0.02	10.10
QP	204k	52.38	63.44	-11.06	10.15	Neutral	-	42.23	0.03	0.02	10.10
AV	204k	43.98	53.44	-9.46	10.15	Neutral	-	33.83	0.03	0.02	10.10
QP	267k	48.67	61.20	-12.53	10.15	Neutral	-	38.52	0.03	0.02	10.10
AV	267k	36.24	51.20	-14.96	10.15	Neutral	-	26.09	0.03	0.02	10.10
QP	460.5k	46.78	56.69	-9.91	10.16	Neutral	-	36.62	0.04	0.02	10.10
AV	460.5k	40.90	46.69	-5.79	10.16	Neutral	"Worst"	30.74	0.04	0.02	10.10
QP	1.613M	34.25	56.00	-21.75	10.19	Neutral	-	24.06	0.05	0.04	10.10
AV	1.613M	25.43	46.00	-20.57	10.19	Neutral	-	15.24	0.05	0.04	10.10
QP	17.984M	30.88	60.00	-29.12	10.44	Neutral	-	20.44	0.21	0.12	10.11
AV	17.984M	22.71	50.00	-27.29	10.44	Neutral	-	12.27	0.21	0.12	10.11

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	9.05M	12.144M	12M1G1D	8.575M	12.044M
802.11g_Nss1,(6Mbps)_1TX	16.35M	16.767M	16M8D1D	16.3M	16.617M
802.11n HT20_Nss1,(MCS0)_1TX	17.575M	17.891M	17M9D1D	17.55M	17.766M
802.11n HT40_Nss1,(MCS0)_1TX	36.4M	36.332M	36M3D1D	36.35M	36.182M

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

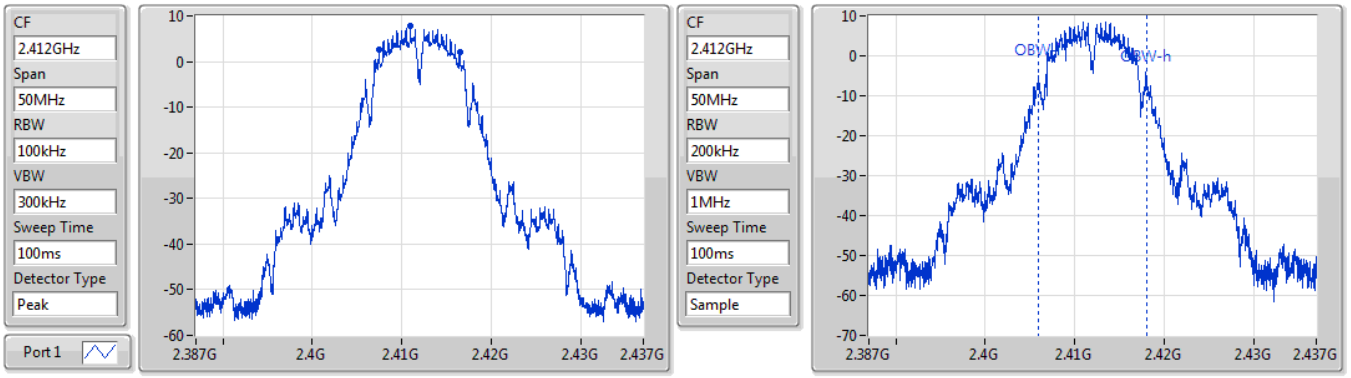
Mode	Result	Limit (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.05M	12.044M
2437MHz	Pass	500k	8.6M	12.094M
2462MHz	Pass	500k	8.575M	12.144M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.35M	16.617M
2437MHz	Pass	500k	16.3M	16.767M
2462MHz	Pass	500k	16.325M	16.617M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.575M	17.766M
2437MHz	Pass	500k	17.55M	17.891M
2462MHz	Pass	500k	17.55M	17.766M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	36.35M	36.182M
2437MHz	Pass	500k	36.4M	36.332M
2452MHz	Pass	500k	36.35M	36.232M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

11/05/2019

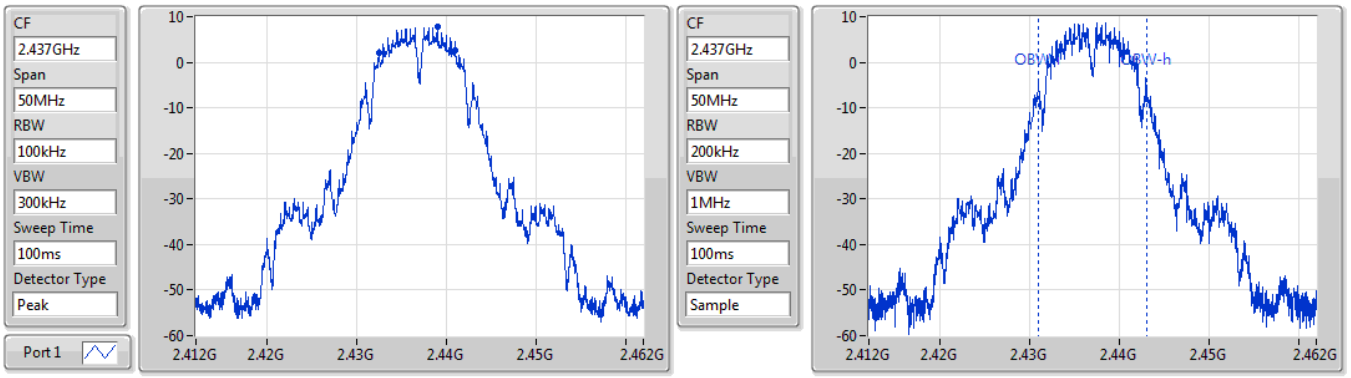


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.40745G	2.4165G	12.044M	2.405953G	2.417997G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

11/05/2019

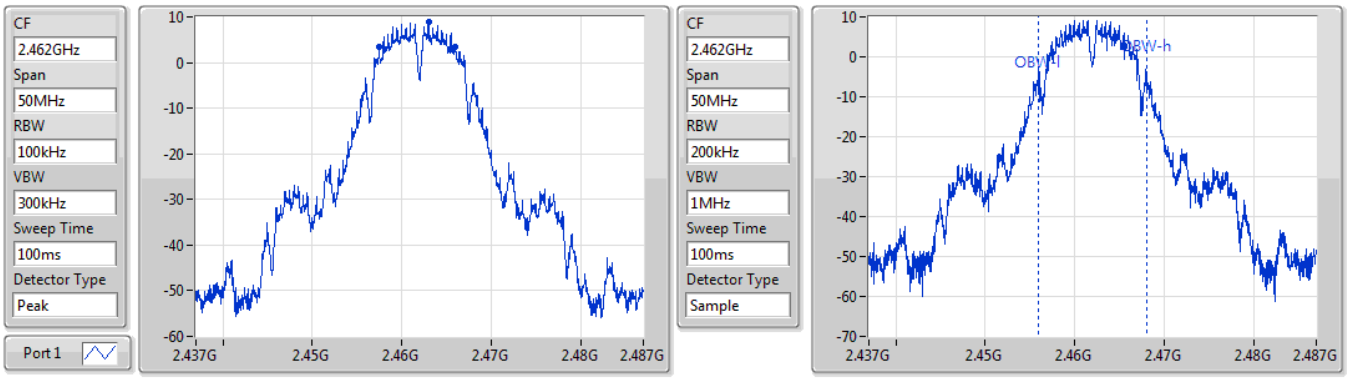


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.6M	2.432425G	2.441025G	12.094M	2.430903G	2.442997G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

11/05/2019

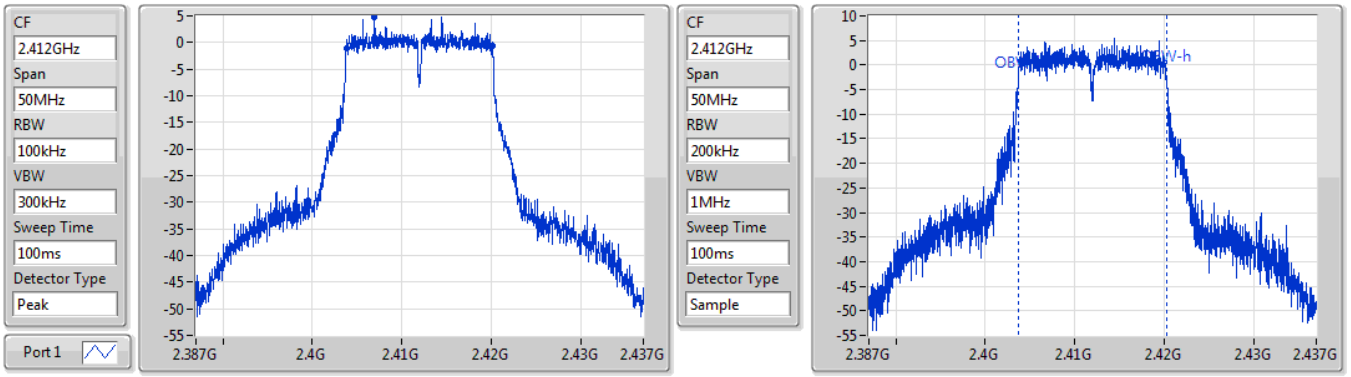


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.575M	2.45745G	2.466025G	12.144M	2.455878G	2.468022G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

11/05/2019

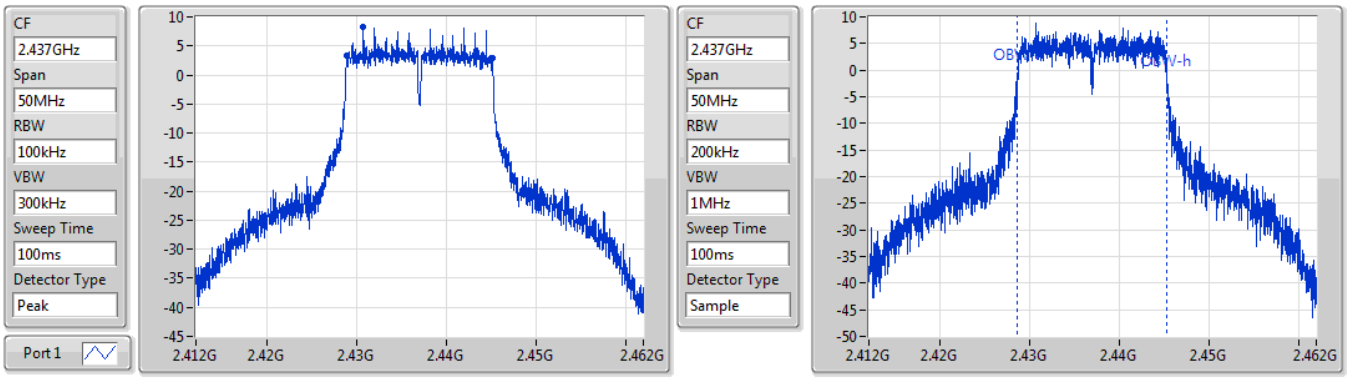


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4038G	2.42015G	16.617M	2.403654G	2.420271G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

11/05/2019

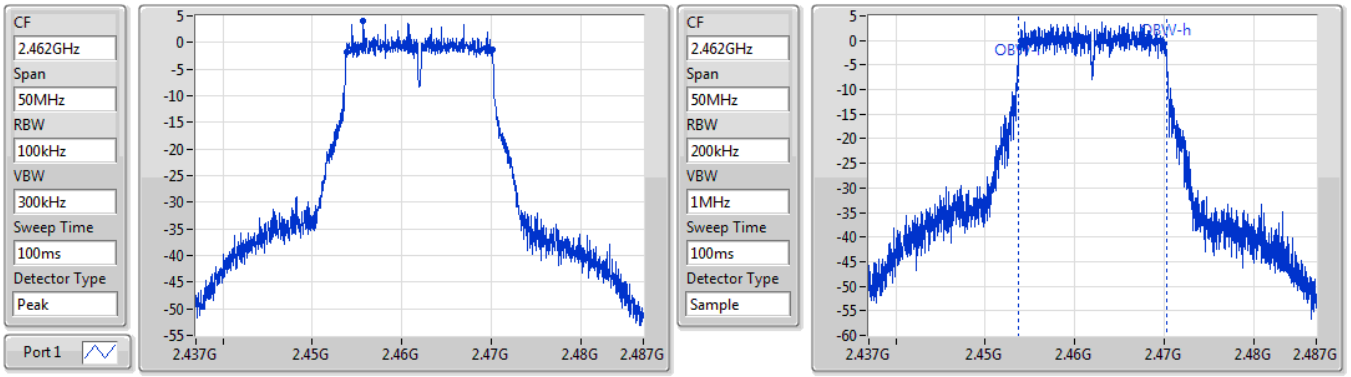


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.428825G	2.445125G	16.767M	2.428579G	2.445346G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

11/05/2019

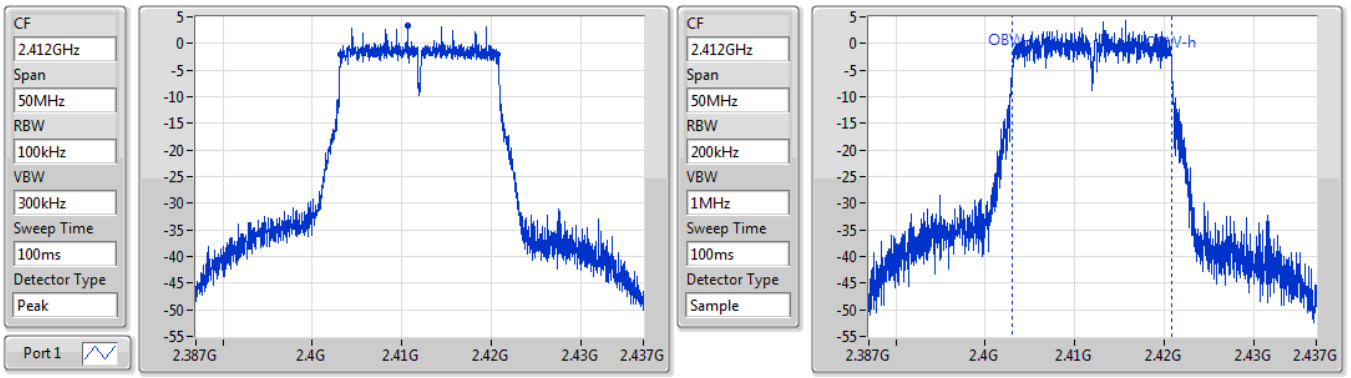


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.4538G	2.470125G	16.617M	2.453654G	2.470271G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2412MHz

30/05/2019

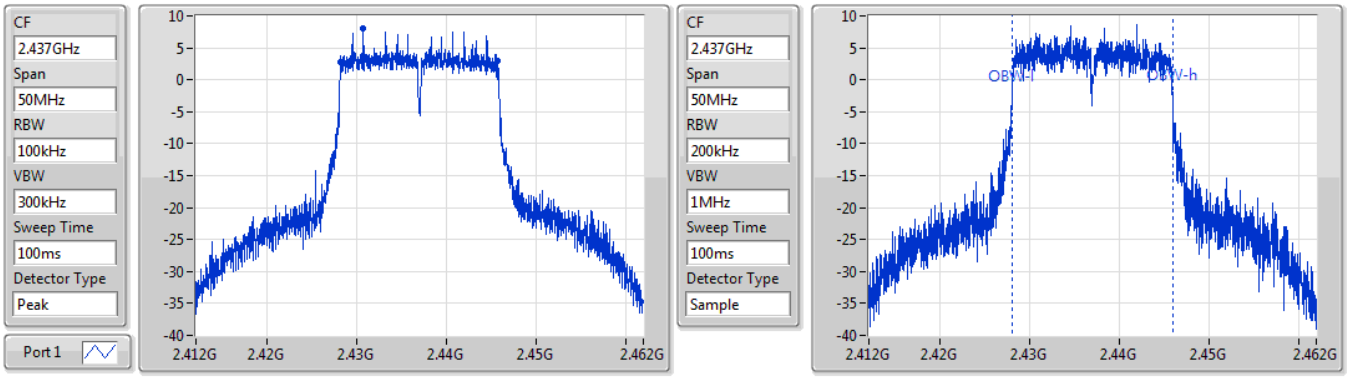


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.403175G	2.42075G	17.766M	2.403054G	2.420821G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2437MHz

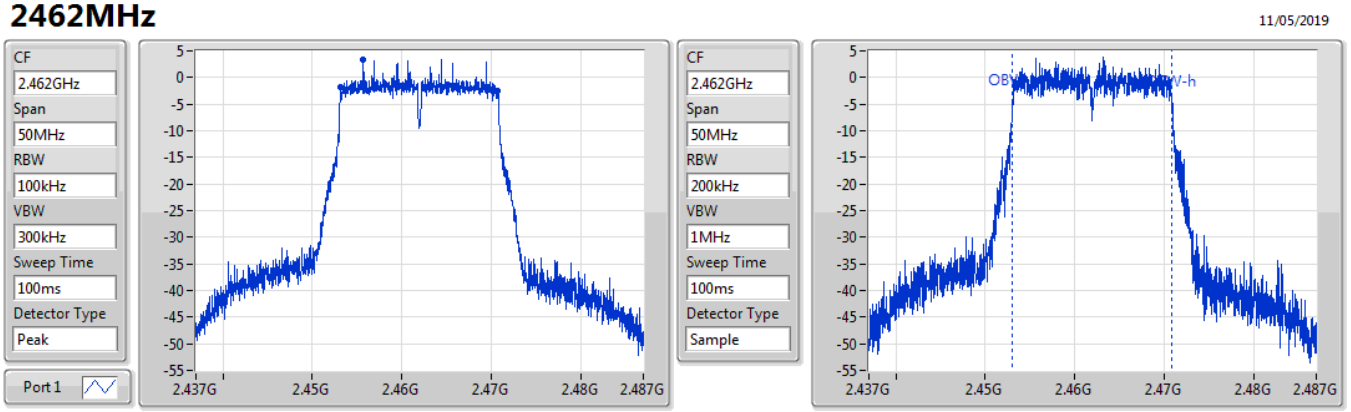
11/05/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4282G	2.44575G	17.891M	2.428029G	2.445921G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

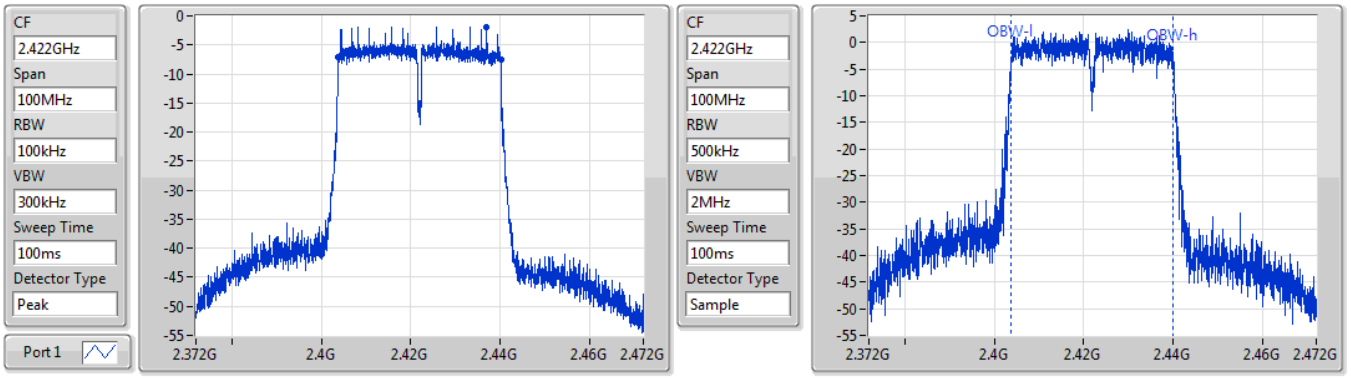
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4532G	2.47075G	17.766M	2.453079G	2.470846G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

2422MHz

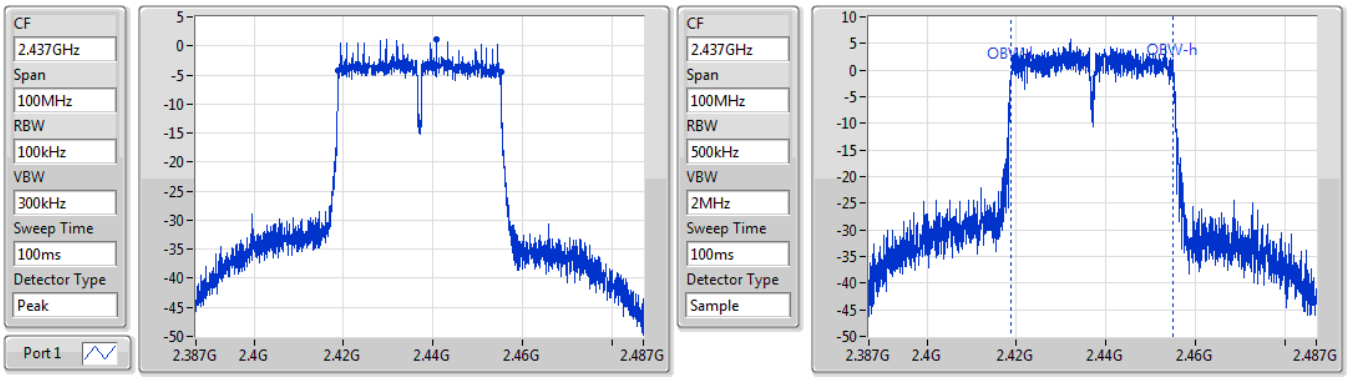


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.4038G	2.44015G	36.182M	2.403859G	2.440041G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

2437MHz

11/05/2019

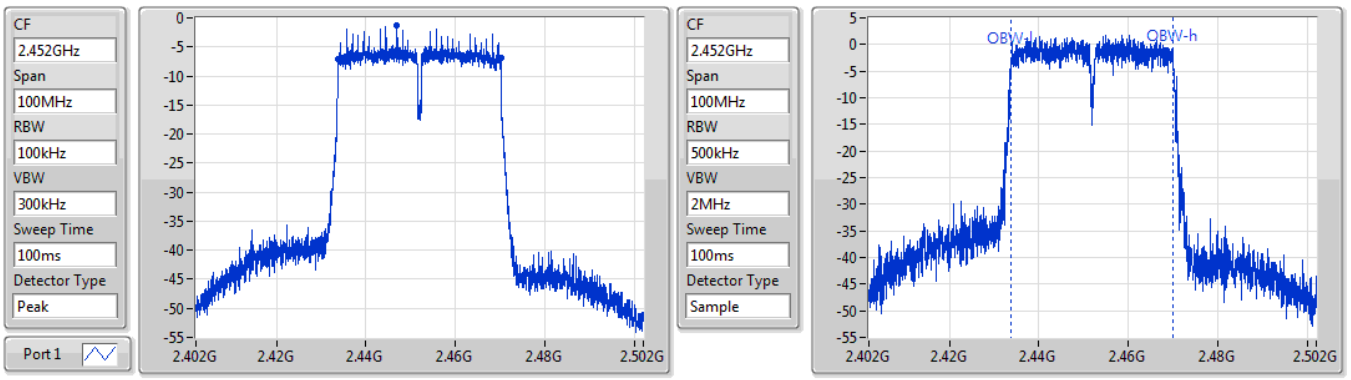


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	2.4188G	2.4552G	36.332M	2.418759G	2.455091G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

2452MHz

11/05/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.4338G	2.47015G	36.232M	2.433809G	2.470041G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	17.90	0.06166
802.11g_Nss1,(6Mbps)_1TX	19.54	0.08995
802.11n HT20_Nss1,(MCS0)_1TX	19.51	0.08933
802.11n HT40_Nss1,(MCS0)_1TX	16.02	0.03999

Result

Mode	Result	DG (dBi)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.76	16.91	16.91	30.00
2417MHz					
2437MHz	Pass	1.76	17.30	17.30	30.00
2457MHz					
2462MHz	Pass	1.76	17.90	17.90	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.76	16.49	16.49	30.00
2417MHz	Pass	1.76	18.56	18.56	30.00
2437MHz	Pass	1.76	19.54	19.54	30.00
2457MHz	Pass	1.76	18.78	18.78	30.00
2462MHz	Pass	1.76	15.60	15.60	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.76	15.66	15.66	30.00
2417MHz	Pass	1.76	17.55	17.55	30.00
2437MHz	Pass	1.76	19.51	19.51	30.00
2457MHz	Pass	1.76	17.81	17.81	30.00
2462MHz	Pass	1.76	14.92	14.92	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	1.76	13.30	13.30	30.00
2427MHz	Pass	1.76	14.37	14.37	30.00
2437MHz	Pass	1.76	16.02	16.02	30.00
2447MHz	Pass	1.76	13.70	13.70	30.00
2452MHz	Pass	1.76	12.97	12.97	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-5.16
802.11g_Nss1,(6Mbps)_1TX	-6.91
802.11n HT20_Nss1,(MCS0)_1TX	-6.55
802.11n HT40_Nss1,(MCS0)_1TX	-12.45

RBW=3 kHz.

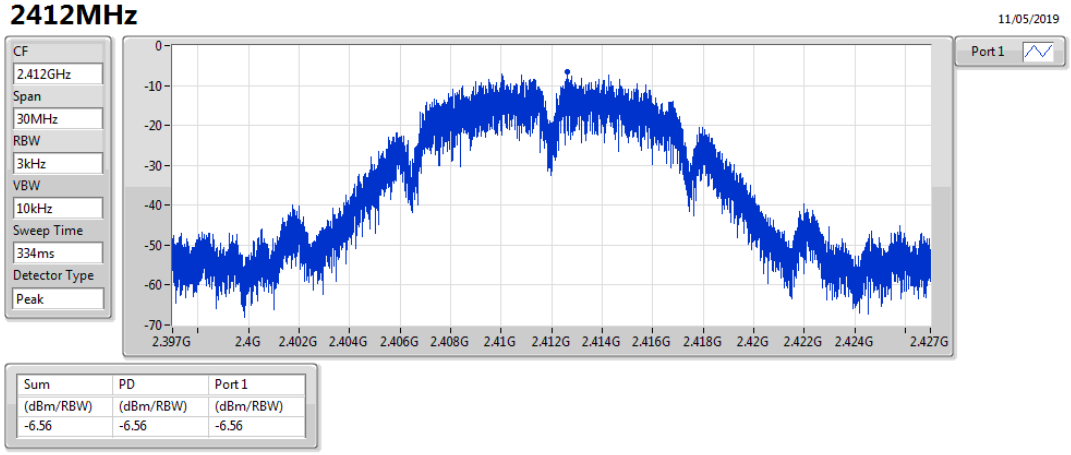
Result

Mode	Result	DG (dBi)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.76	-6.56	-6.56	8.00
2437MHz	Pass	1.76	-5.98	-5.98	8.00
2462MHz	Pass	1.76	-5.16	-5.16	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.76	-8.95	-8.95	8.00
2437MHz	Pass	1.76	-6.91	-6.91	8.00
2462MHz	Pass	1.76	-9.50	-9.50	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.76	-11.16	-11.16	8.00
2437MHz	Pass	1.76	-6.55	-6.55	8.00
2462MHz	Pass	1.76	-11.41	-11.41	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	1.76	-15.98	-15.98	8.00
2437MHz	Pass	1.76	-12.45	-12.45	8.00
2452MHz	Pass	1.76	-16.16	-16.16	8.00

DG = Directional Gain; RBW=3 kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX PSD

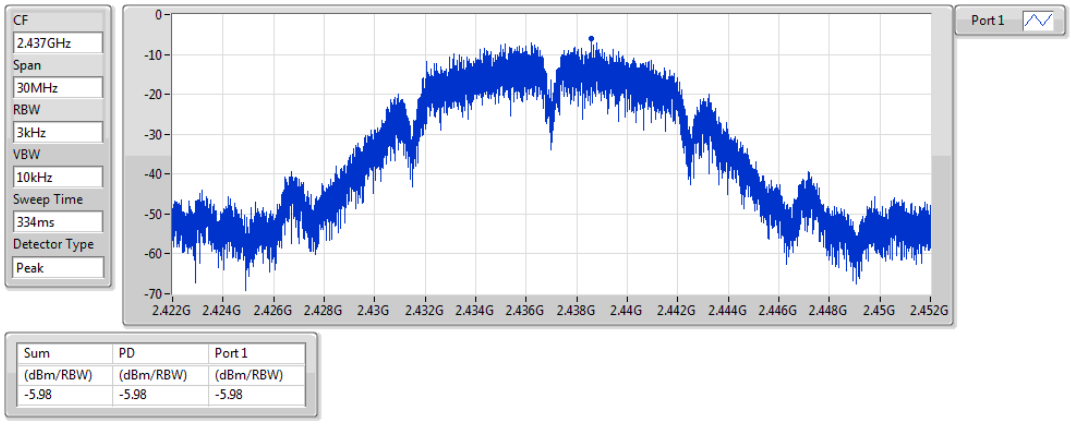
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.56	-6.56	-6.56

802.11b_Nss1,(1Mbps)_1TX PSD

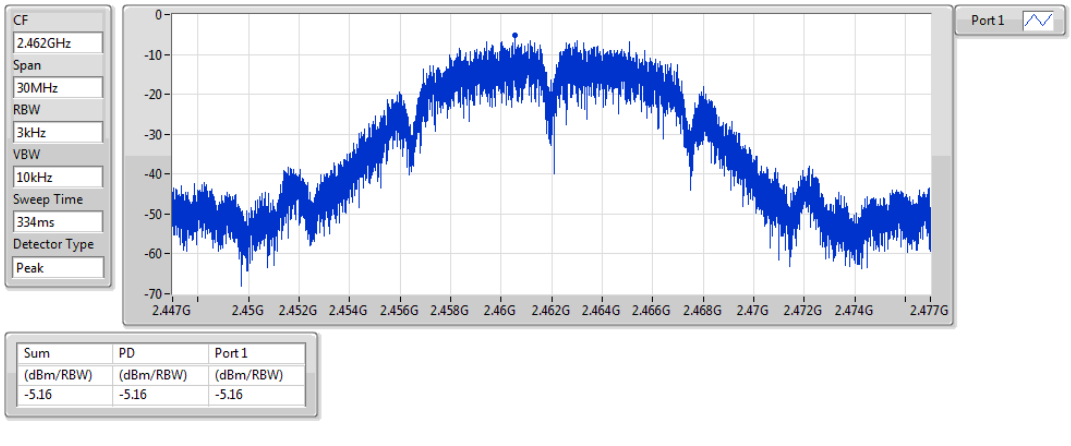
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.98	-5.98	-5.98

802.11b_Nss1,(1Mbps)_1TX PSD

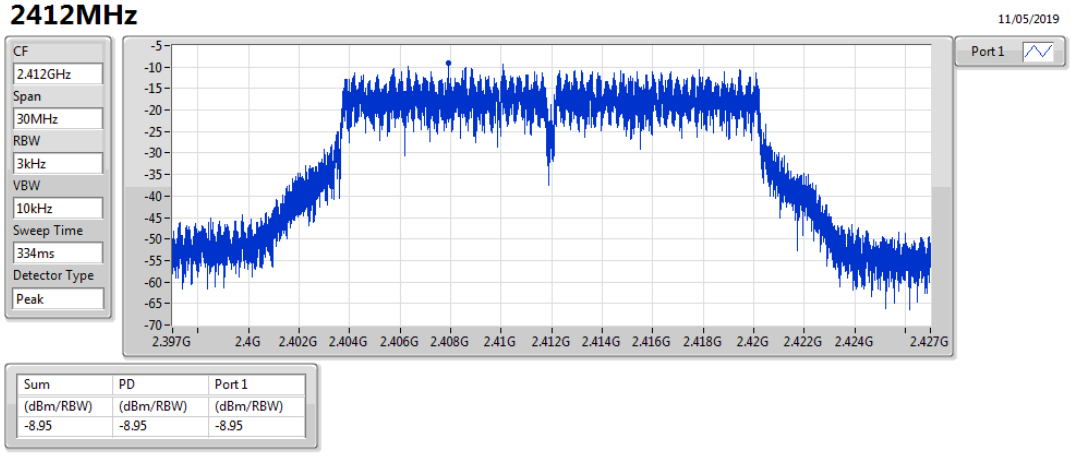
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.16	-5.16	-5.16

802.11g_Nss1,(6Mbps)_1TX PSD

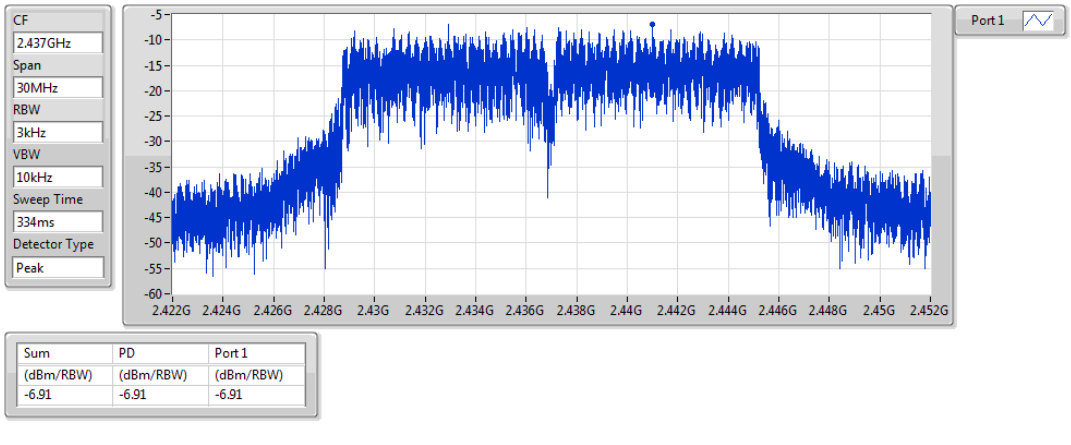
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.95	-8.95	-8.95

802.11g_Nss1,(6Mbps)_1TX PSD

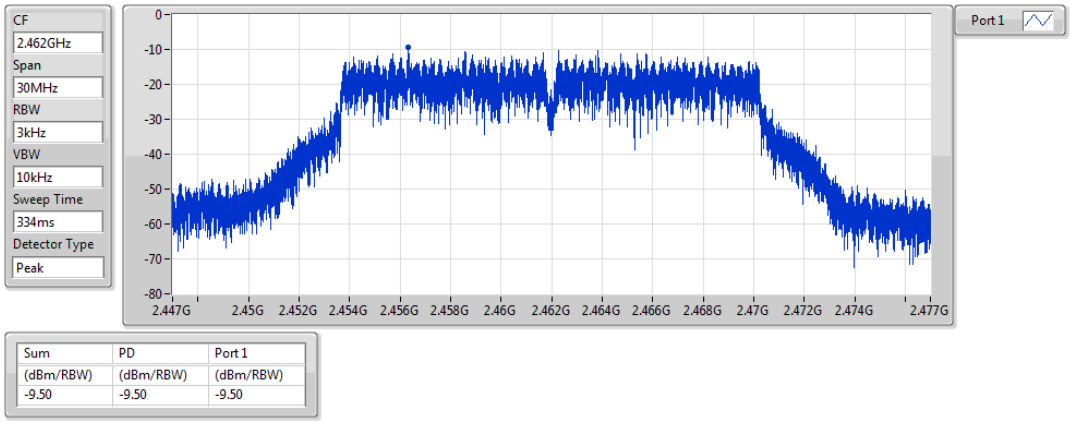
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.91	-6.91	-6.91

802.11g_Nss1,(6Mbps)_1TX PSD

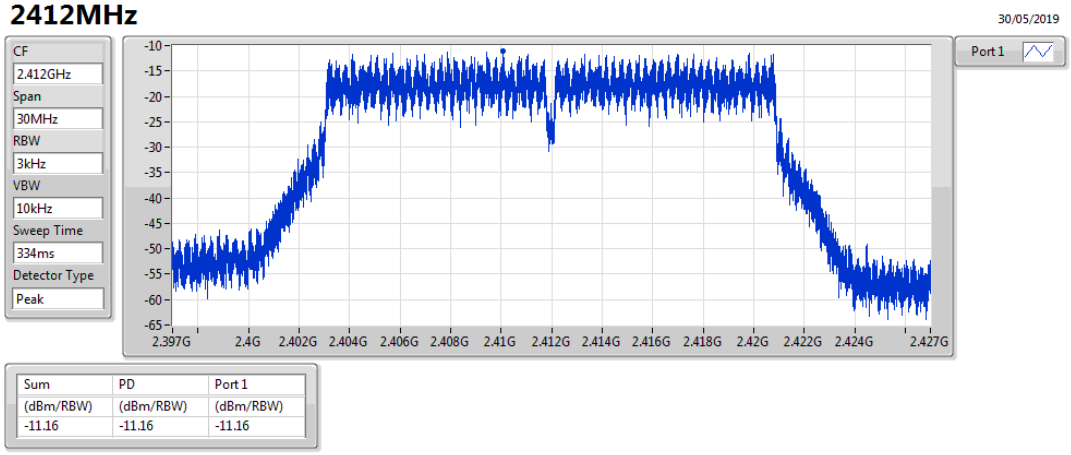
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.50	-9.50	-9.50

802.11n HT20_Nss1,(MCS0)_1TX PSD

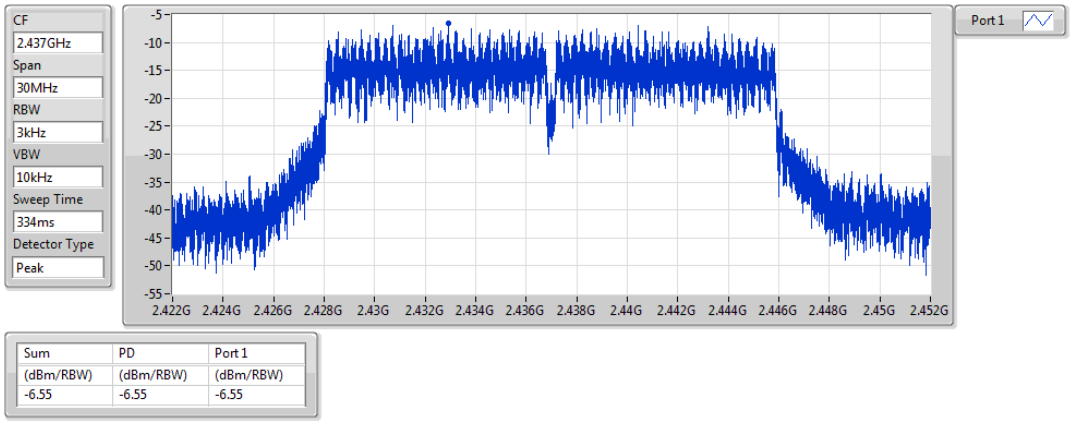
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.16	-11.16	-11.16

802.11n HT20_Nss1,(MCS0)_1TX PSD

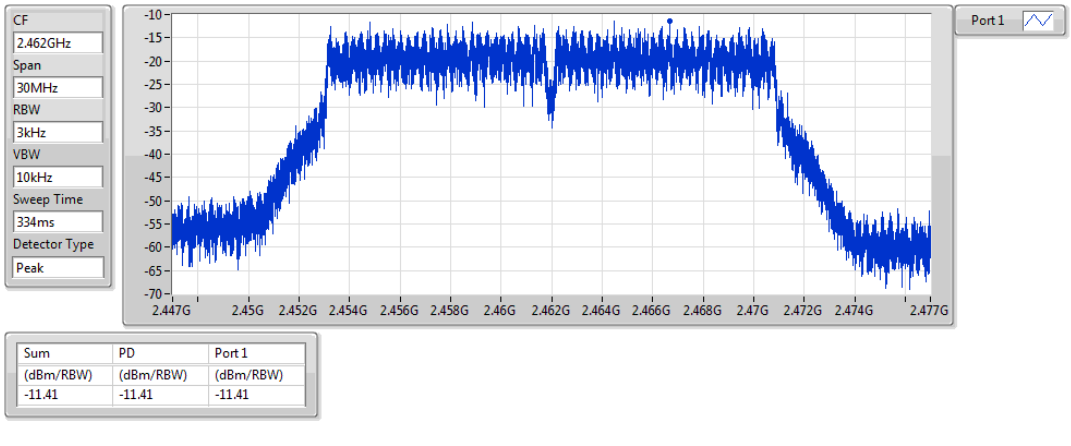
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.55	-6.55	-6.55

802.11n HT20_Nss1,(MCS0)_1TX PSD

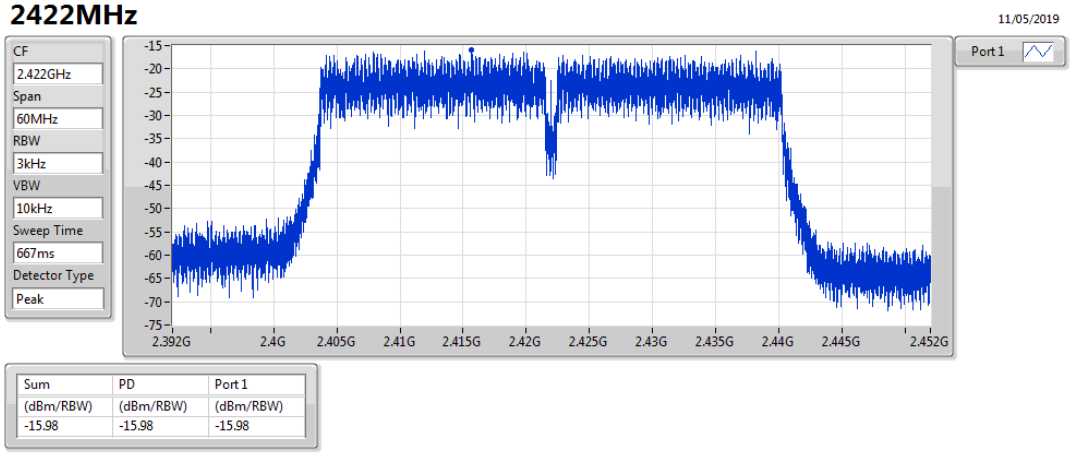
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.41	-11.41	-11.41

802.11n HT40_Nss1,(MCS0)_1TX PSD

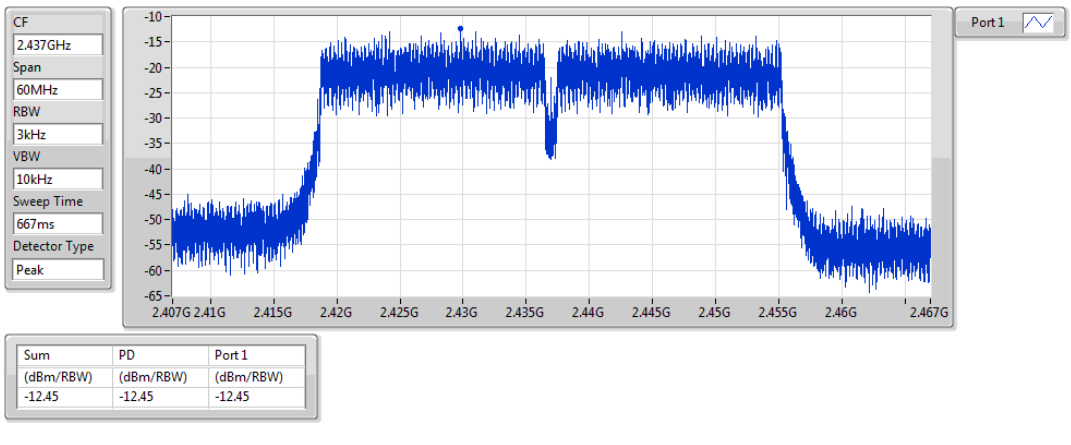
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.98	-15.98	-15.98

802.11n HT40_Nss1,(MCS0)_1TX PSD

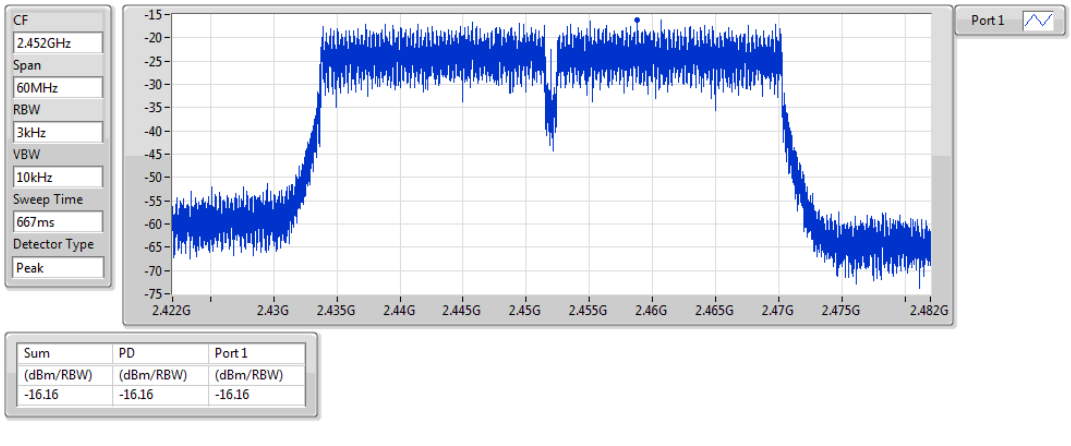
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.45	-12.45	-12.45

802.11n HT40_Nss1,(MCS0)_1TX PSD

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.16	-16.16	-16.16

Summary

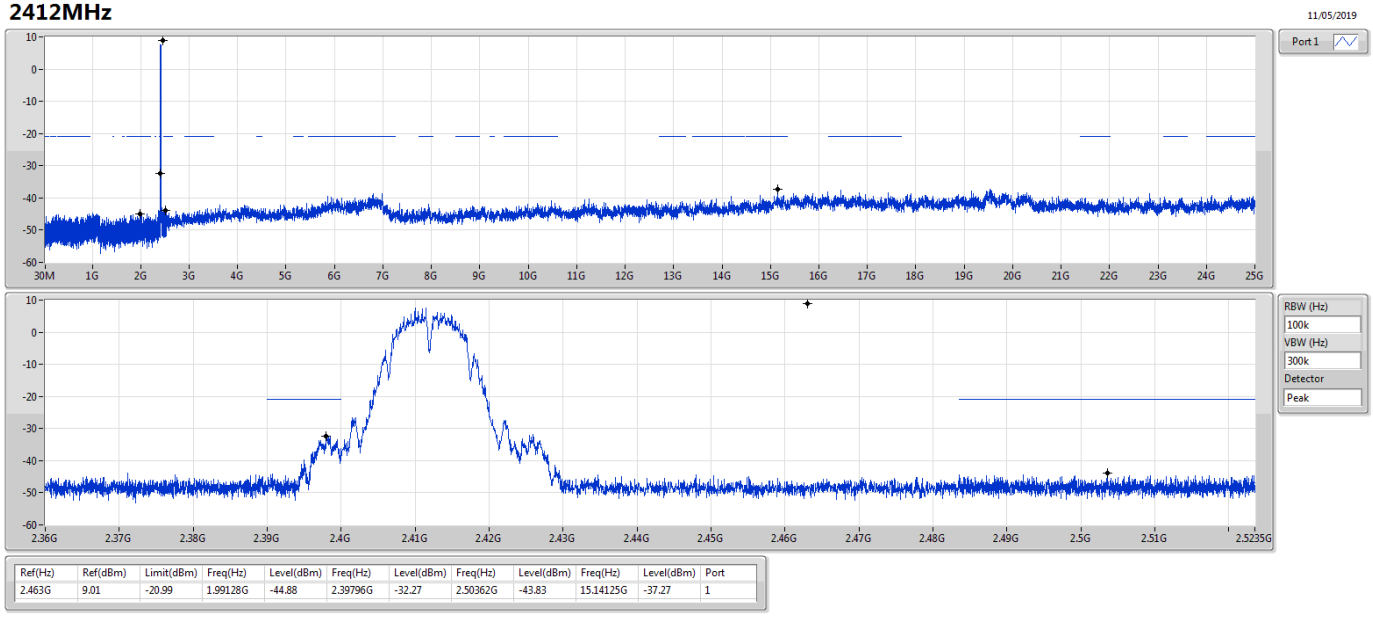
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.463G	9.01	-20.99	1.99128G	-44.88	2.39796G	-32.27	2.50362G	-43.83	15.14125G	-37.27	2
802.11g_Nss1,(6Mbps)_1TX	Pass	2.4382G	7.72	-22.28	544.06M	-43.48	2.39976G	-28.07	2.49574G	-43.94	16.43364G	-37.14	2
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43294G	4.50	-25.50	544.06M	-43.34	2.39984G	-31.88	2.49252G	-43.75	15.26487G	-38.10	2
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.42196G	1.12	-28.88	95.84M	-42.95	2.3996G	-30.60	2.48398G	-39.59	17.44731G	-37.83	2

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_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.463G	9.01	-20.99	1.99128G	-44.88	2.39796G	-32.27	2.50362G	-43.83	15.14125G	-37.27	2
2437MHz	Pass	2.463G	9.01	-20.99	415.91M	-44.79	2.39238G	-43.62	2.49646G	-43.05	17.54061G	-37.91	2
2462MHz	Pass	2.463G	9.01	-20.99	1.92371G	-44.00	2.39372G	-45.29	2.4846G	-43.19	16.41117G	-37.94	2
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4382G	7.72	-22.28	544.06M	-43.48	2.39976G	-28.07	2.49574G	-43.94	16.43364G	-37.14	2
2437MHz	Pass	2.4382G	7.72	-22.28	179.41M	-44.23	2.39796G	-41.97	2.49012G	-43.35	17.47599G	-37.68	2
2462MHz	Pass	2.4382G	7.72	-22.28	2.01749G	-45.07	2.39622G	-42.83	2.48358G	-39.27	16.84103G	-38.15	2
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43294G	4.50	-25.50	544.06M	-43.34	2.39984G	-31.88	2.49252G	-43.75	15.26487G	-38.10	2
2437MHz	Pass	2.43294G	4.50	-25.50	544.06M	-43.35	2.39572G	-40.09	2.49582G	-43.73	24.83985G	-38.21	2
2462MHz	Pass	2.43294G	4.50	-25.50	543.77M	-42.62	2.39882G	-44.41	2.48372G	-39.02	15.2171G	-38.17	2
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42196G	1.12	-28.88	95.84M	-41.99	2.3922G	-35.41	2.56218G	-44.13	24.52883G	-38.61	2
2437MHz	Pass	2.42196G	1.12	-28.88	95.84M	-42.95	2.3996G	-30.60	2.48398G	-39.59	17.44731G	-37.83	2
2452MHz	Pass	2.42196G	1.12	-28.88	95.84M	-43.76	2.39728G	-45.69	2.48434G	-41.02	16.86396G	-37.57	2

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

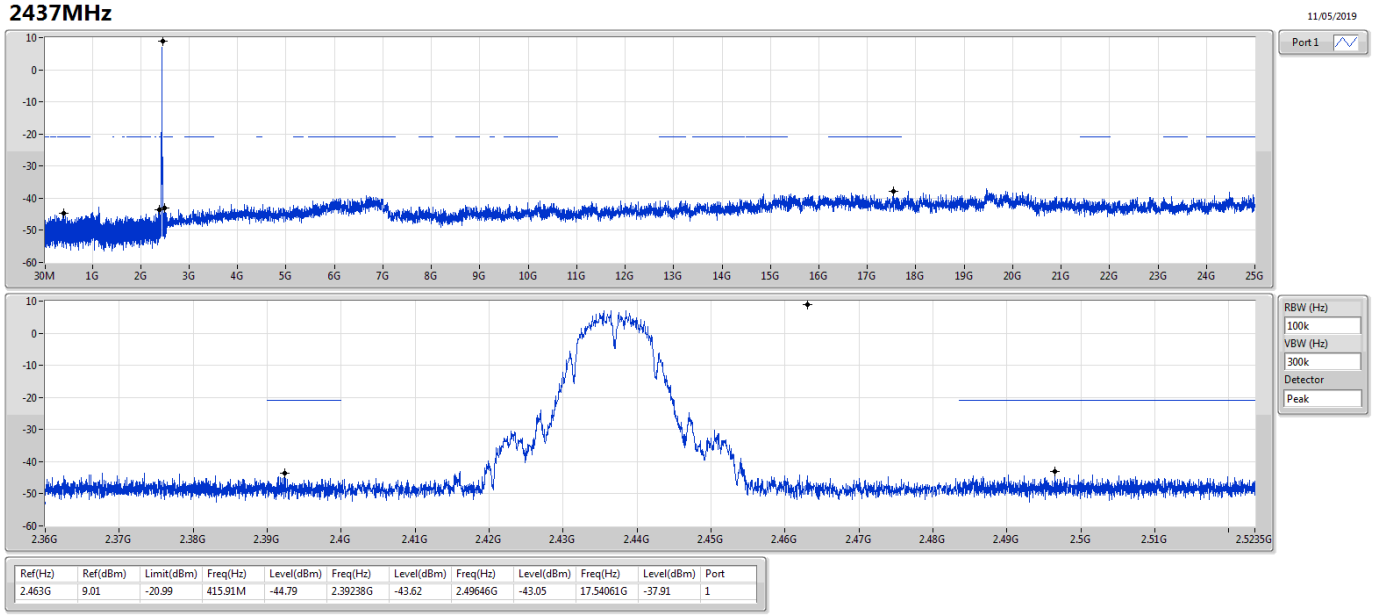
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.463G	9.01	-20.99	1.99128G	-44.88	2.39796G	-32.27	2.50362G	-43.83	15.14125G	-37.27	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

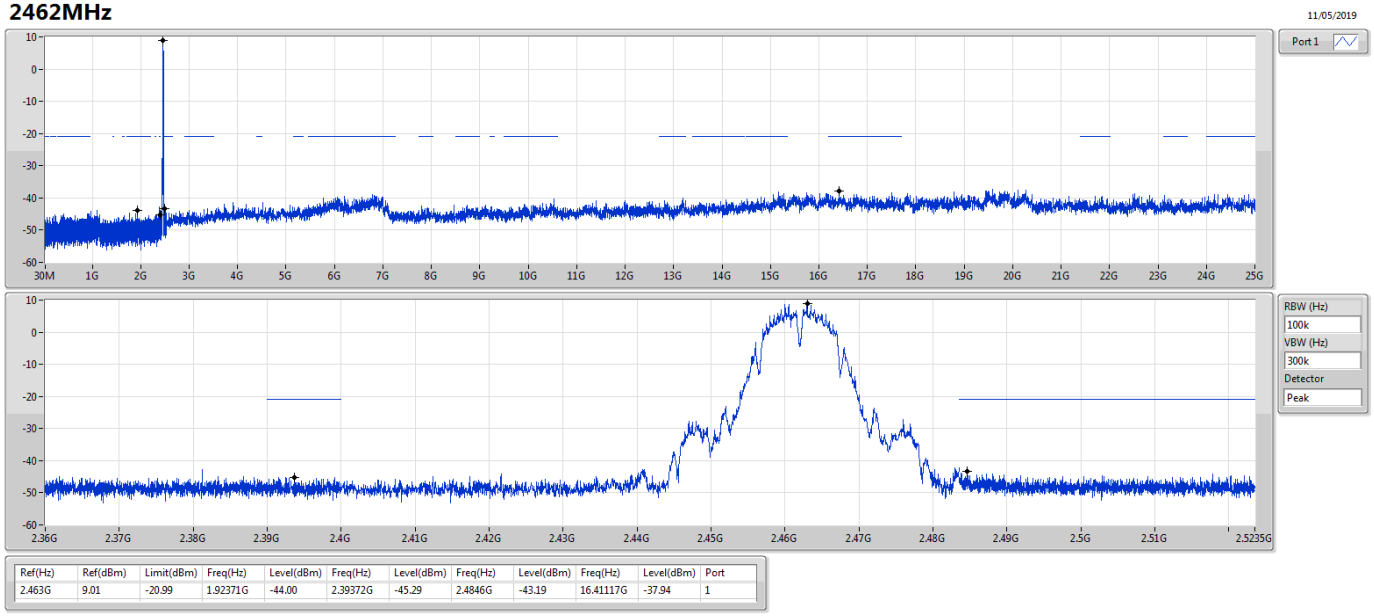
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.463G	9.01	-20.99	415.91M	-44.79	2.39238G	-43.62	2.49646G	-43.05	17.54061G	-37.91	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

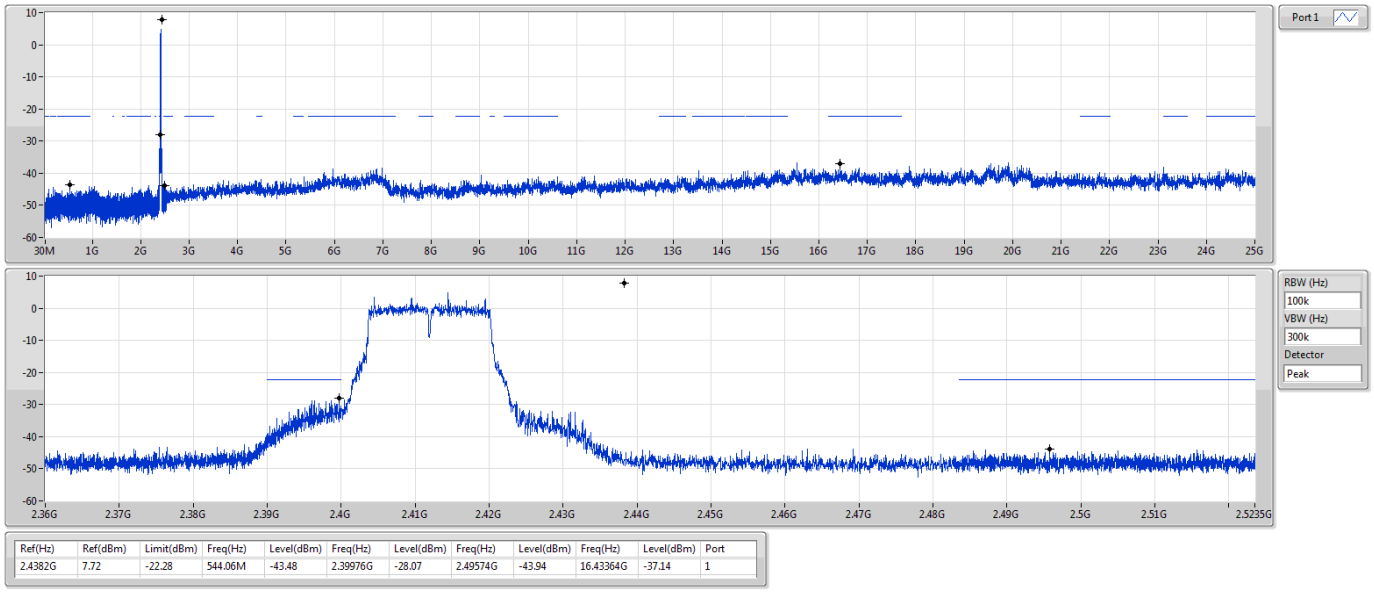
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.463G	9.01	-20.99	1.92371G	-44.00	2.39372G	-45.29	2.4846G	-43.19	16.41117G	-37.94	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

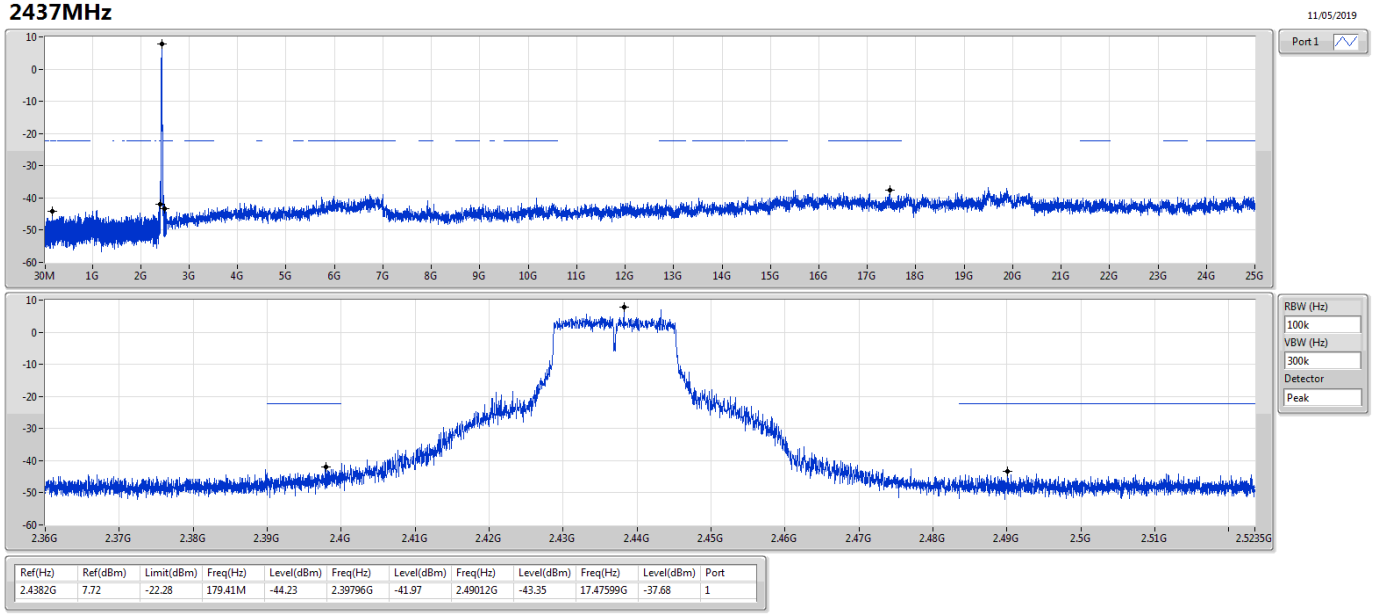
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4382G	7.72	-22.28	544.06M	-43.48	2.39976G	-28.07	2.49574G	-43.94	16.43364G	-37.14	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

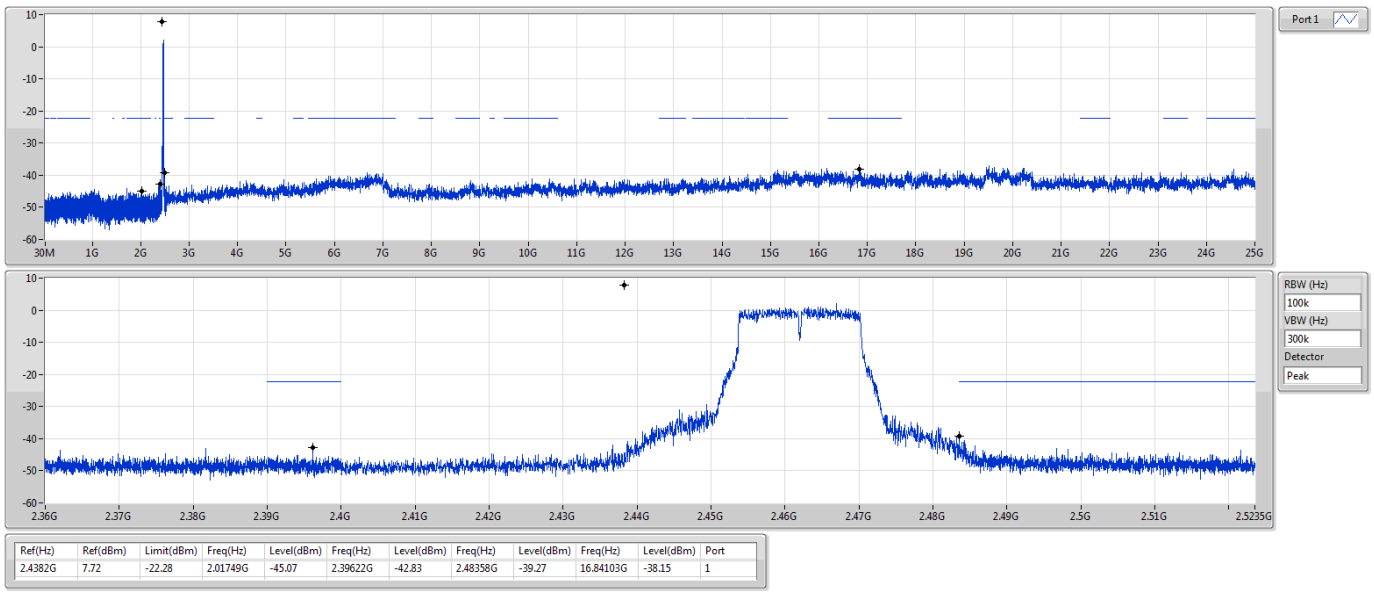
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4382G	7.72	-22.28	179.41M	-44.23	2.39796G	-41.97	2.49012G	-43.35	17.47599G	-37.68	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

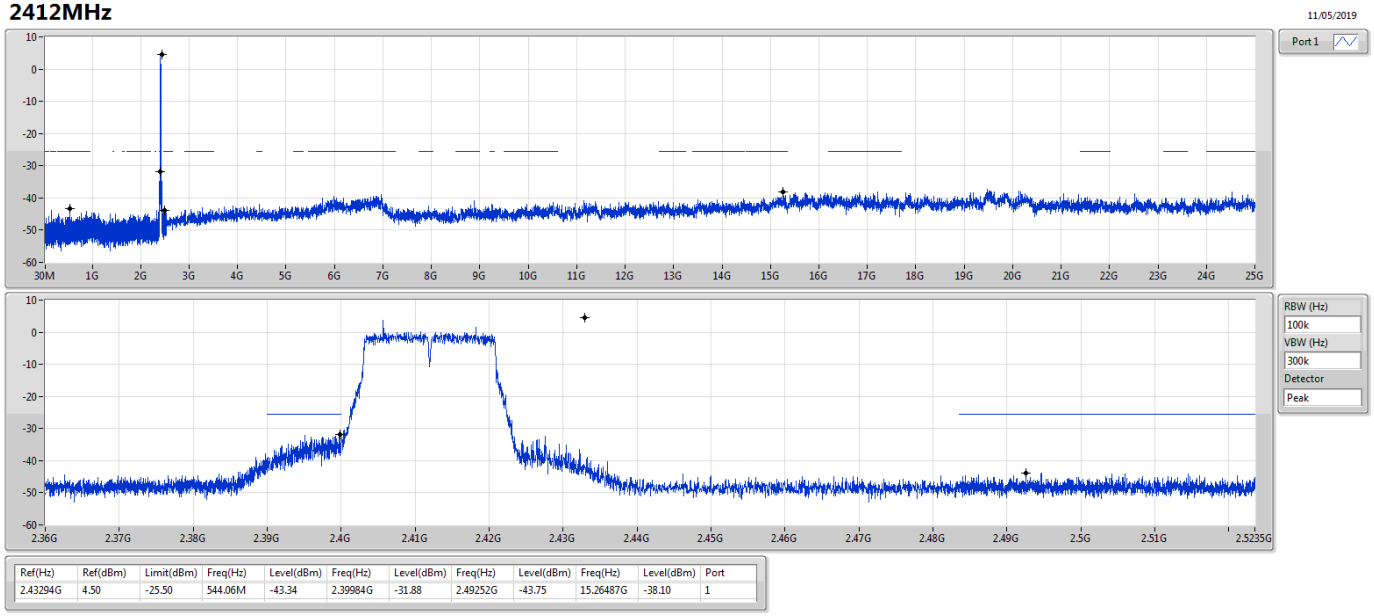
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4382G	7.72	-22.28	2.01749G	-45.07	2.39622G	-42.83	2.48358G	-39.27	16.84103G	-38.15	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

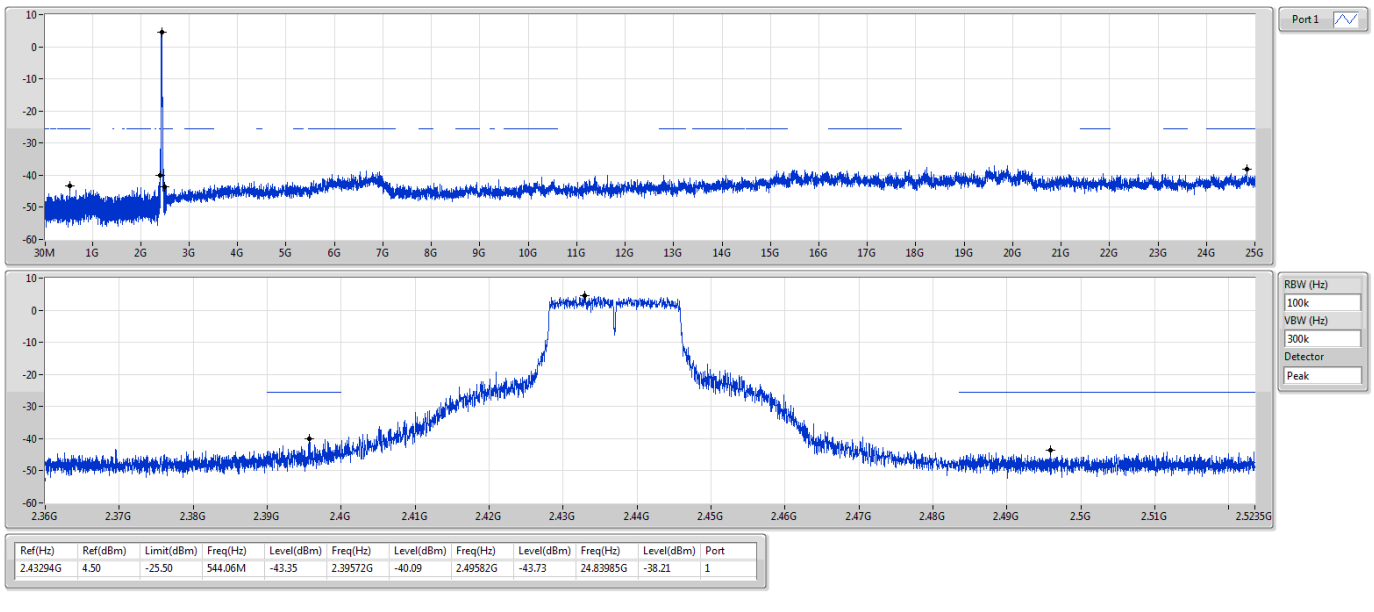
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43294G	4.50	-25.50	544.06M	-43.34	2.39984G	-31.88	2.49252G	-43.75	15.26487G	-38.10	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

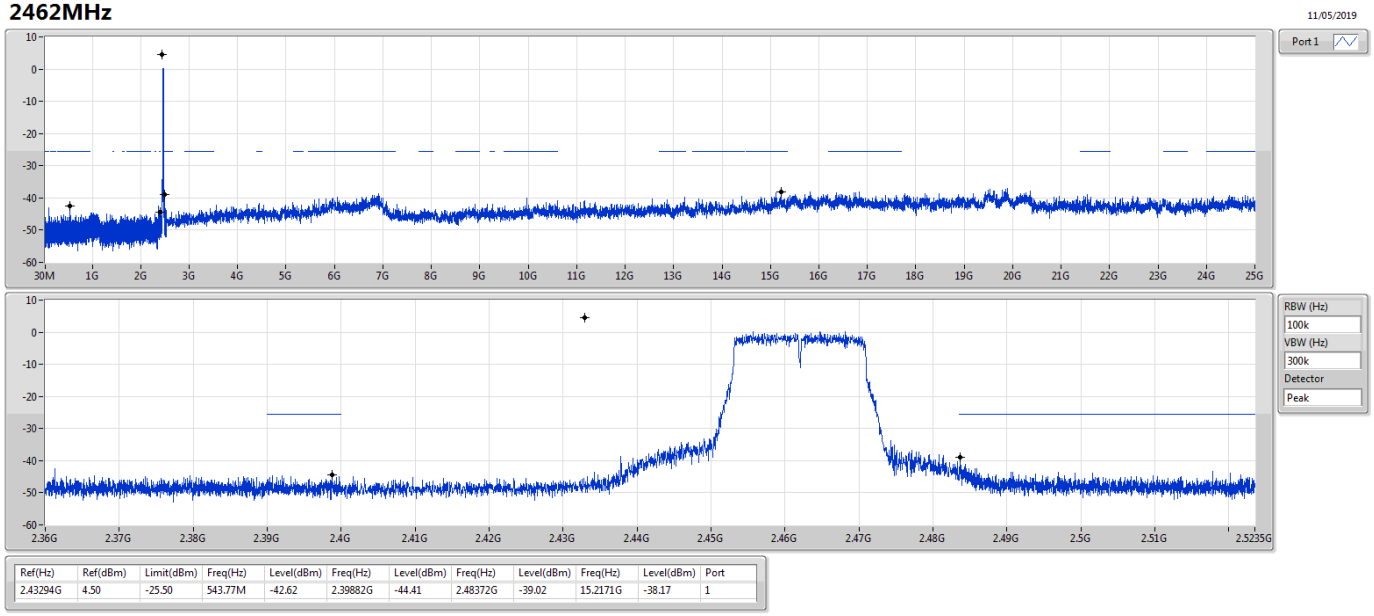
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43294G	4.50	-25.50	544.06M	-43.35	2.39572G	-40.09	2.49582G	-43.73	24.83985G	-38.21	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

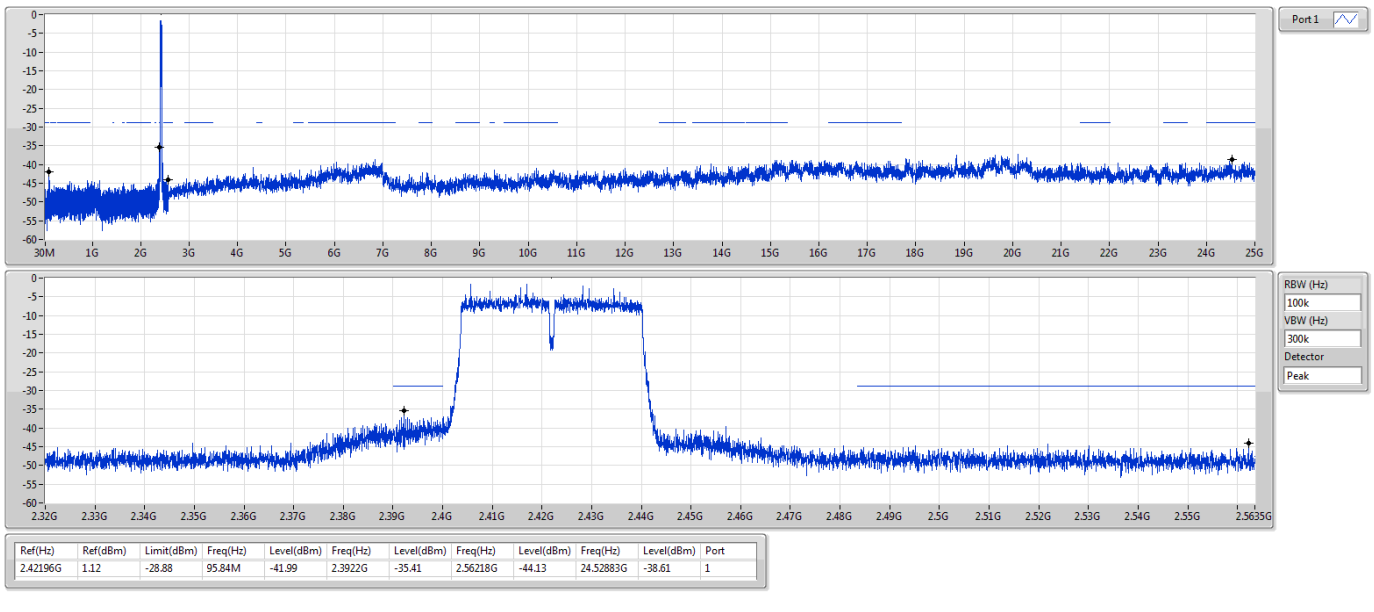
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43294G	4.50	-25.50	543.77M	-42.62	2.39882G	-44.41	2.48372G	-39.02	15.2171G	-38.17	1

802.11n HT40_Nss1,(MCS0)_1TX **CSE NdB**

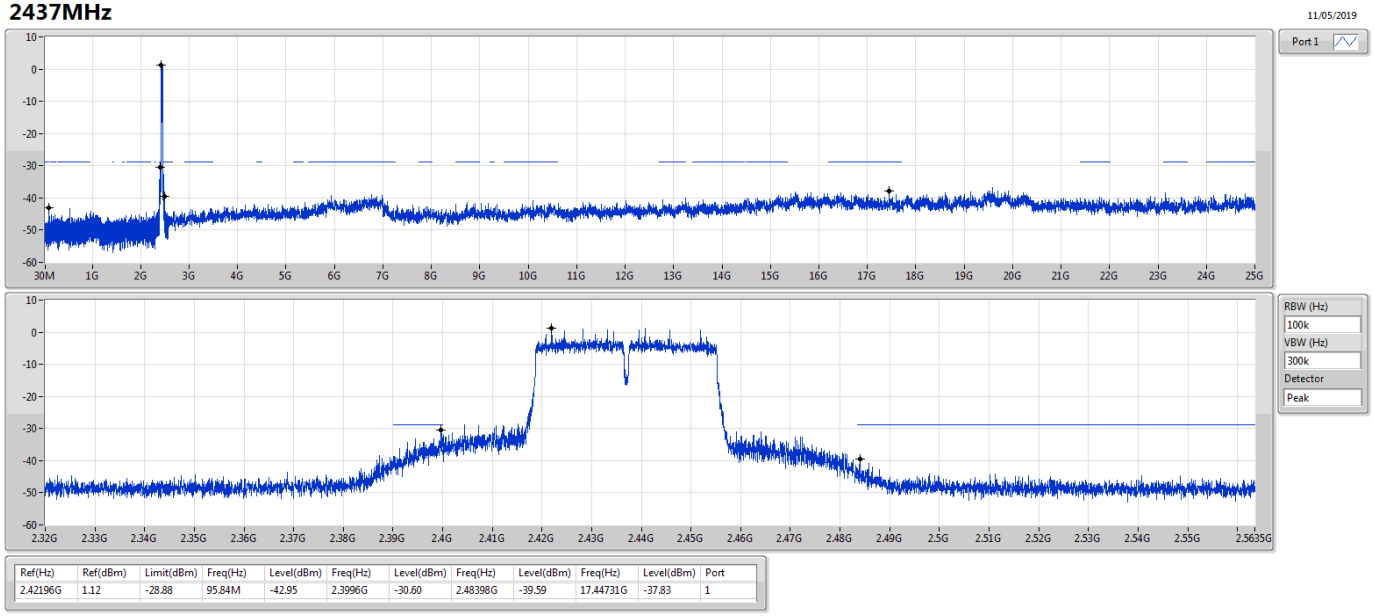
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42196G	1.12	-28.88	95.84M	-41.99	2.3922G	-35.41	2.56218G	-44.13	24.52883G	-38.61	1

802.11n HT40_Nss1,(MCS0)_1TX **CSE NdB**

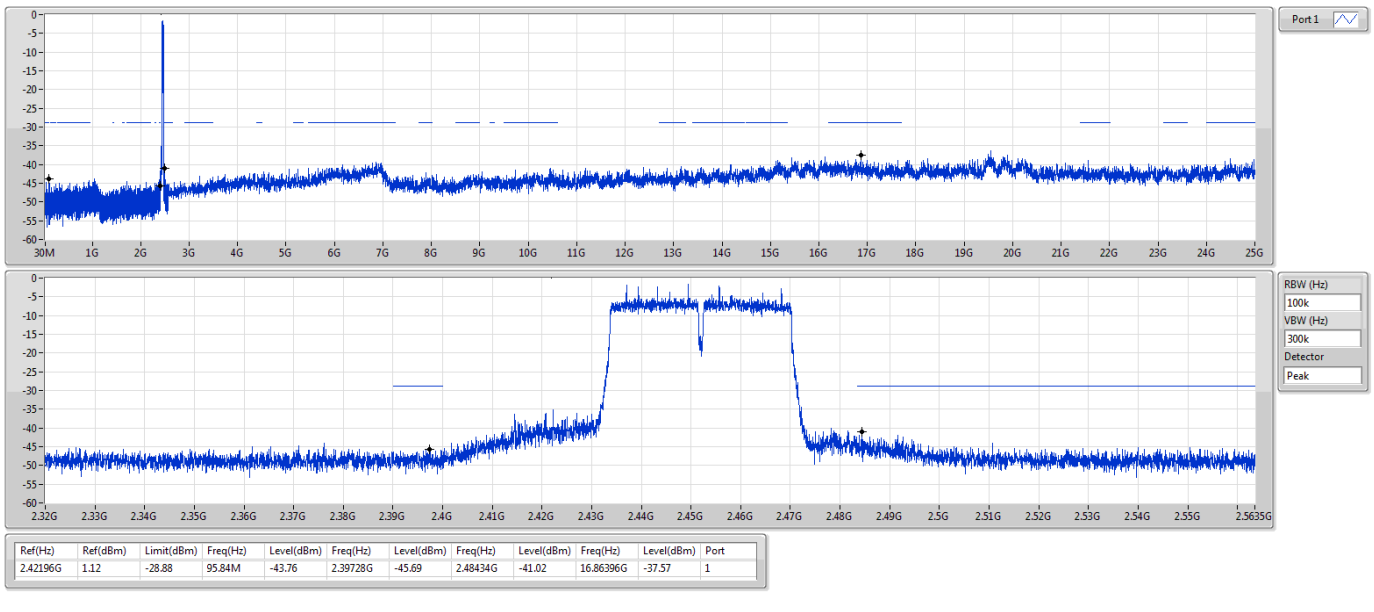
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42196G	1.12	-28.88	95.84M	-42.95	2.3996G	-30.60	2.48398G	-39.59	17.44731G	-37.83	1

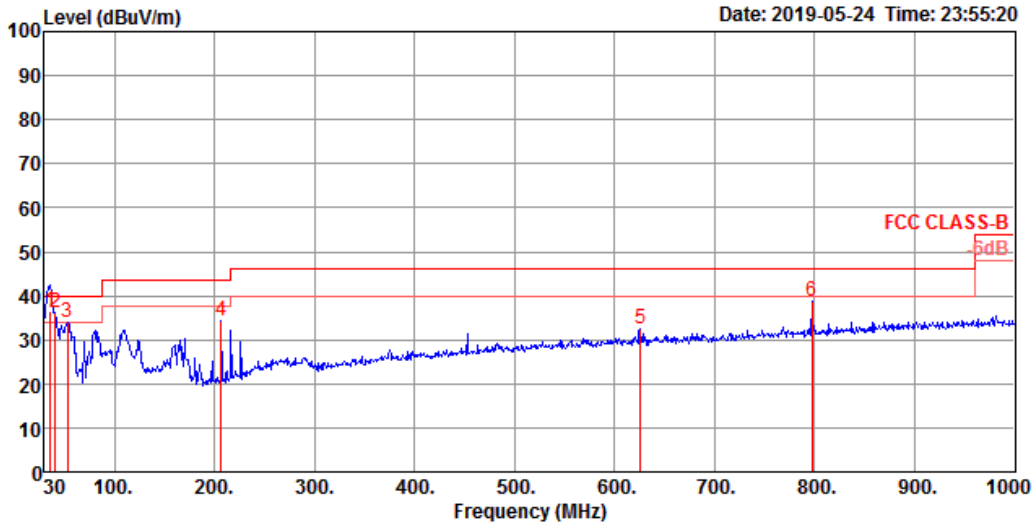
802.11n HT40_Nss1,(MCS0)_1TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42196G	1.12	-28.88	95.84M	-43.76	2.39728G	-45.69	2.48434G	-41.02	16.86396G	-37.57	1

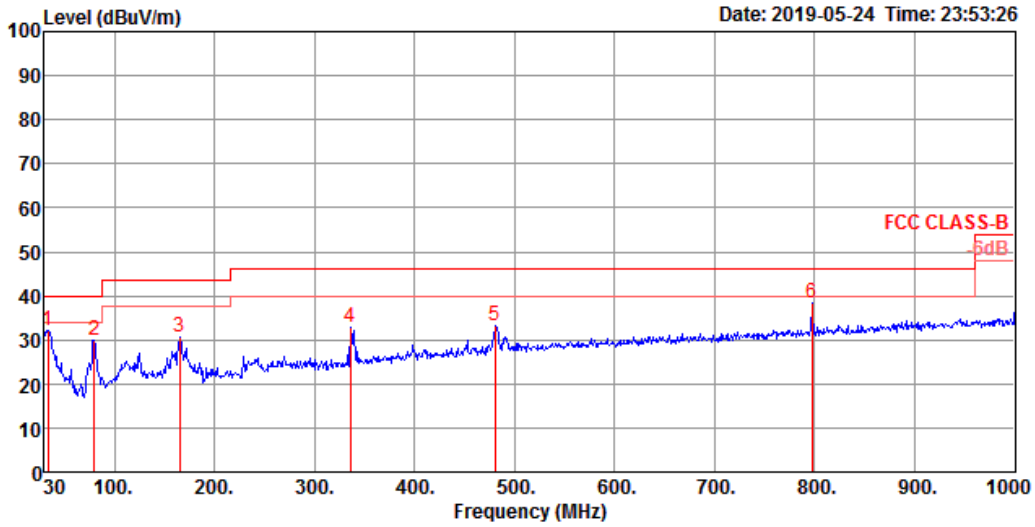
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	35.82	36.68	40.00	-3.32	45.25	0.77	22.25	31.59	100	311	QP	VERTICAL
2	40.67	36.17	40.00	-3.83	47.61	0.84	19.39	31.67	100	135	Peak	VERTICAL
3	53.28	33.96	40.00	-6.04	50.78	0.92	14.04	31.78	150	260	Peak	VERTICAL
4	206.54	34.31	43.50	-9.19	48.14	1.78	16.33	31.94	300	0	Peak	VERTICAL
5	625.58	32.31	46.00	-13.69	36.26	3.28	25.21	32.44	100	198	Peak	VERTICAL
6	797.27	38.72	46.00	-7.28	40.84	3.71	26.67	32.50	125	122	Peak	VERTICAL

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.)

RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	33.88	32.14	40.00	-7.86	39.55	0.74	23.39	31.54	150	154	Peak	HORIZONTAL
2	79.47	29.95	40.00	-10.05	47.40	1.15	13.26	31.86	150	169	Peak	HORIZONTAL
3	164.83	30.56	43.50	-12.94	44.58	1.63	16.25	31.90	200	168	Peak	HORIZONTAL
4	335.55	32.75	46.00	-13.25	41.60	2.39	20.82	32.06	100	360	Peak	HORIZONTAL
5	480.08	33.27	46.00	-12.73	39.12	2.87	23.51	32.23	100	280	Peak	HORIZONTAL
6	797.27	38.50	46.00	-7.50	40.62	3.71	26.67	32.50	125	44	Peak	HORIZONTAL

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.)

<Mode 1: Ant. 1 + Place EUT in Z axis>

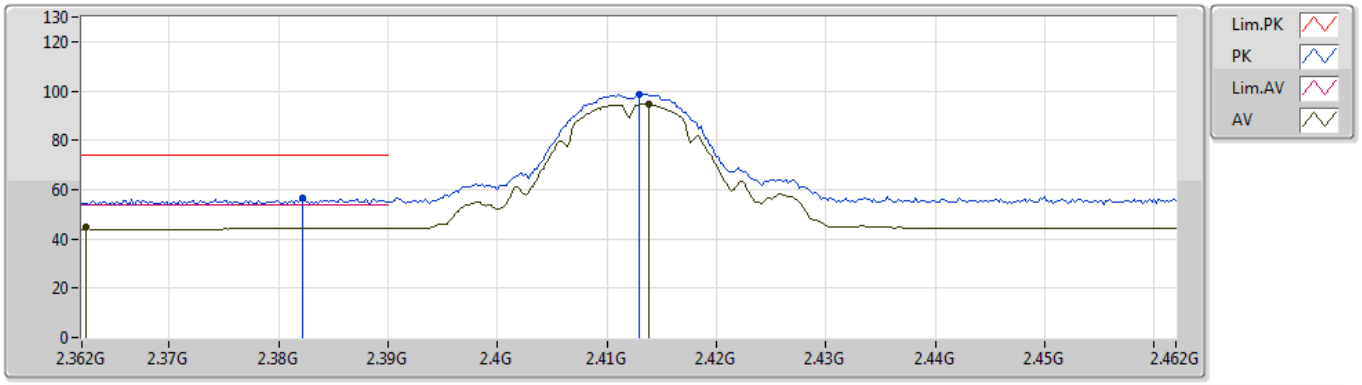
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	52.93	54.00	-1.07	32.41	3	Horizontal	68	1.30	-

802.11b_Nss1,(1Mbps)_1TX

09/05/2019

2412MHz_TX



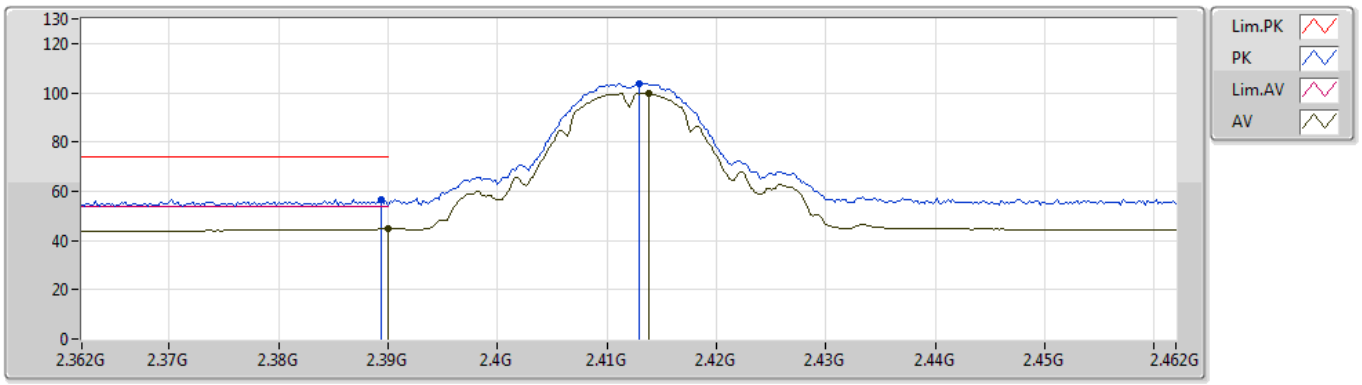
EUT Z_1TX ANT 1
Setting 65
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3822G	56.38	74.00	-17.62	32.10	3	Vertical	135	2.57	-
AV	2.3624G	44.66	54.00	-9.34	32.02	3	Vertical	135	2.57	-
PK	2.413G	98.73	Inf	-Inf	32.20	3	Vertical	135	2.57	-
AV	2.4138G	94.77	Inf	-Inf	32.20	3	Vertical	135	2.57	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

09/05/2019



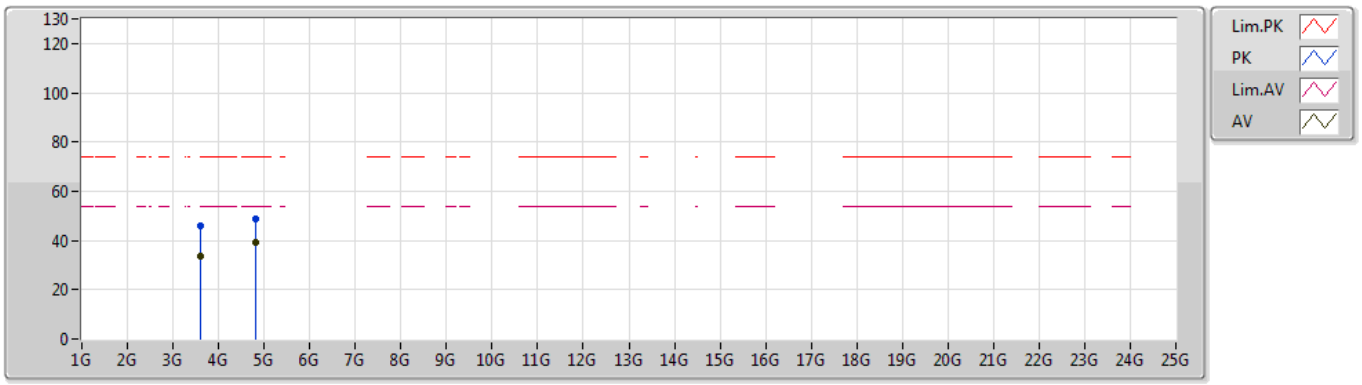
EUT Z_1TX ANT 1
Setting 65
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	56.46	74.00	-17.54	32.13	3	Horizontal	232	1.00	-
AV	2.39G	44.64	54.00	-9.36	32.13	3	Horizontal	232	1.00	-
PK	2.413G	103.94	Inf	-Inf	32.20	3	Horizontal	232	1.00	-
AV	2.4138G	99.88	Inf	-Inf	32.20	3	Horizontal	232	1.00	-

802.11b_Nss1,(1Mbps)_1TX

09/05/2019

2412MHz_TX



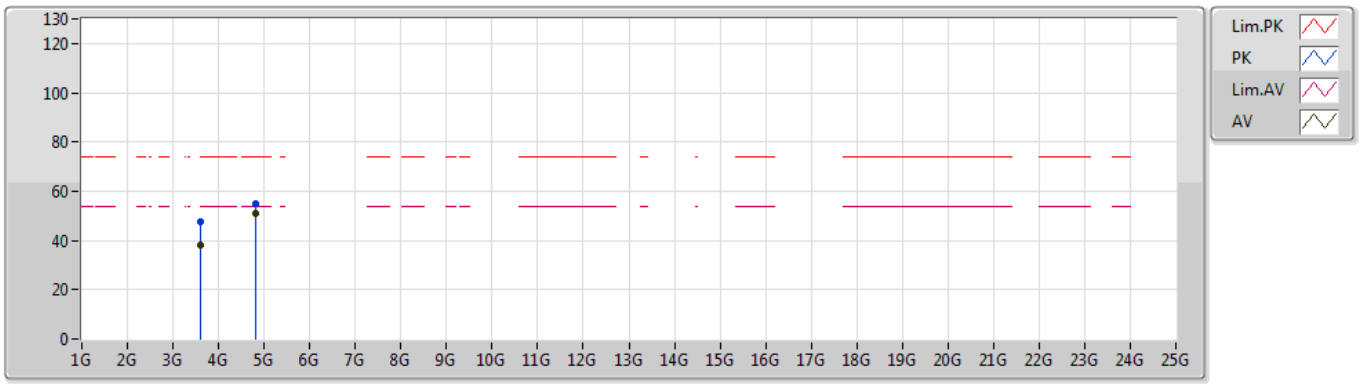
EUT Z_1TX ANT 1
Setting 65
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.61548G	46.15	74.00	-27.85	2.53	3	Vertical	191	1.28	-
AV	3.61628G	33.63	54.00	-20.37	2.53	3	Vertical	191	1.28	-
PK	4.824G	48.64	74.00	-25.36	6.59	3	Vertical	181	1.30	-
AV	4.82402G	39.09	54.00	-14.91	6.59	3	Vertical	181	1.30	-

802.11b_Nss1,(1Mbps)_1TX

09/05/2019

2412MHz_TX



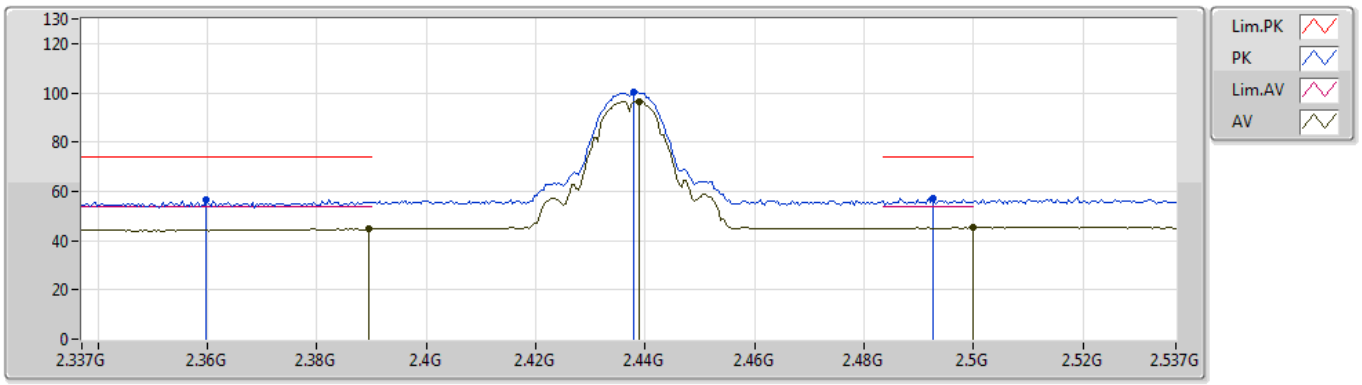
EUT Z_1TX ANT 1
Setting 65
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.61696G	47.64	74.00	-26.36	2.53	3	Horizontal	221	1.05	-
AV	3.61632G	38.18	54.00	-15.82	2.53	3	Horizontal	221	1.05	-
PK	4.82406G	54.86	74.00	-19.14	6.59	3	Horizontal	266	1.01	-
AV	4.82403G	50.94	54.00	-3.06	6.59	3	Horizontal	266	1.01	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

09/05/2019



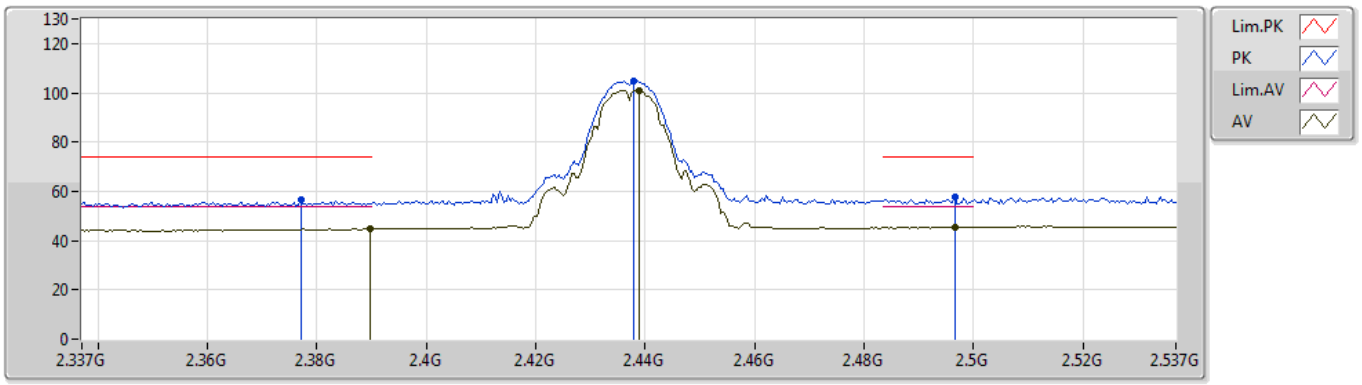
EUT Z_1TX ANT 1
Setting 67
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3598G	56.51	74.00	-17.49	32.02	3	Vertical	138	2.96	-
AV	2.3894G	44.72	54.00	-9.28	32.13	3	Vertical	138	2.96	-
PK	2.4378G	100.39	Inf	-Inf	32.27	3	Vertical	138	2.96	-
AV	2.439G	96.65	Inf	-Inf	32.28	3	Vertical	138	2.96	-
PK	2.4926G	57.28	74.00	-16.72	32.43	3	Vertical	138	2.96	-
AV	2.4998G	45.25	54.00	-8.75	32.46	3	Vertical	138	2.96	-

802.11b_Nss1,(1Mbps)_1TX

09/05/2019

2437MHz_TX



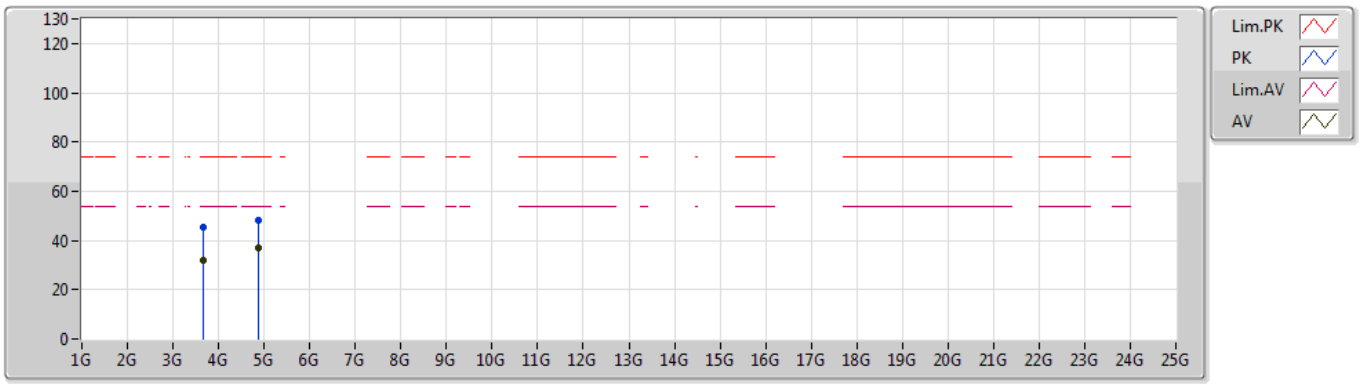
EUT Z_1TX ANT 1
Setting 67
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.377G	56.45	74.00	-17.55	32.08	3	Horizontal	72	1.44	-
AV	2.3898G	44.79	54.00	-9.21	32.13	3	Horizontal	72	1.44	-
PK	2.4378G	104.84	Inf	-Inf	32.27	3	Horizontal	72	1.44	-
AV	2.439G	100.98	Inf	-Inf	32.28	3	Horizontal	72	1.44	-
PK	2.4966G	57.67	74.00	-16.33	32.45	3	Horizontal	72	1.44	-
AV	2.4966G	45.41	54.00	-8.59	32.45	3	Horizontal	72	1.44	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

09/05/2019



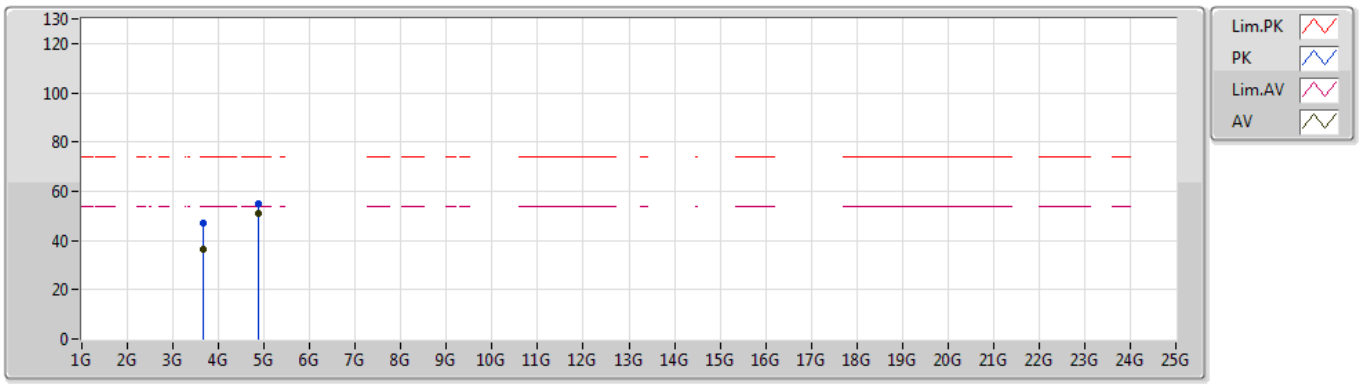
EUT Z_1TX ANT 1
Setting 67
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.654G	45.19	74.00	-28.81	2.66	3	Vertical	186	1.42	-
AV	3.65384G	32.16	54.00	-21.84	2.66	3	Vertical	186	1.42	-
PK	4.87409G	48.38	74.00	-25.62	6.71	3	Vertical	177	1.50	-
AV	4.87404G	37.08	54.00	-16.92	6.71	3	Vertical	177	1.50	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

09/05/2019



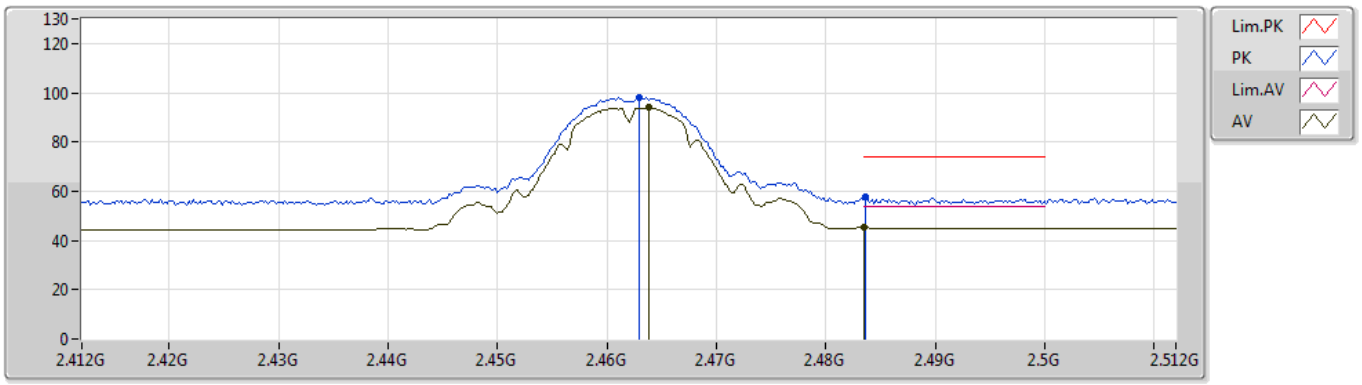
EUT Z_1TX ANT 1
Setting 67
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6558G	46.96	74.00	-27.04	2.67	3	Horizontal	223	1.02	-
AV	3.6537G	36.34	54.00	-17.66	2.66	3	Horizontal	223	1.02	-
PK	4.87402G	55.08	74.00	-18.92	6.71	3	Horizontal	274	1.11	-
AV	4.87404G	50.99	54.00	-3.01	6.71	3	Horizontal	274	1.11	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

09/05/2019



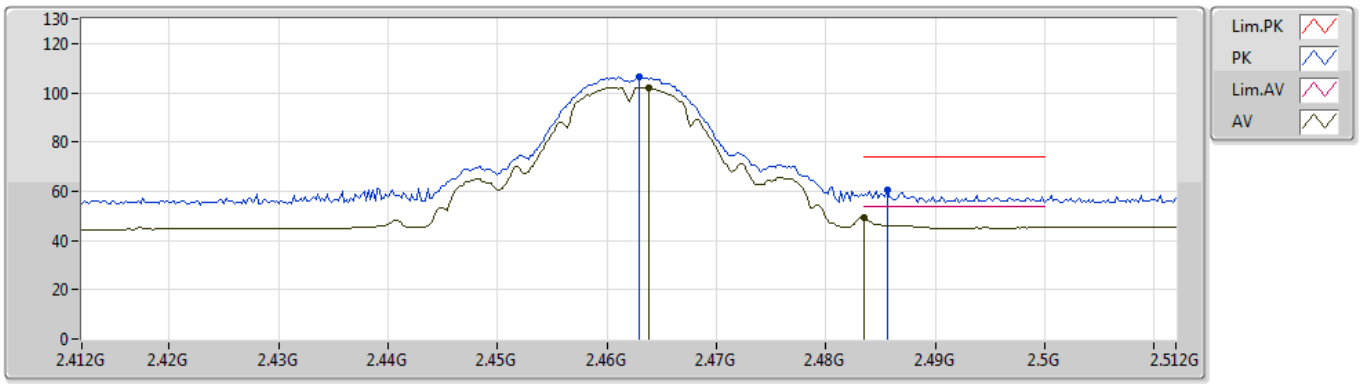
EUT Z_1TX ANT 1
Setting 70
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	98.05	Inf	-Inf	32.35	3	Vertical	199	2.01	-
AV	2.4638G	93.90	Inf	-Inf	32.35	3	Vertical	199	2.01	-
PK	2.4836G	57.79	74.00	-16.21	32.41	3	Vertical	199	2.01	-
AV	2.4835G	45.21	54.00	-8.79	32.41	3	Vertical	199	2.01	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

09/05/2019



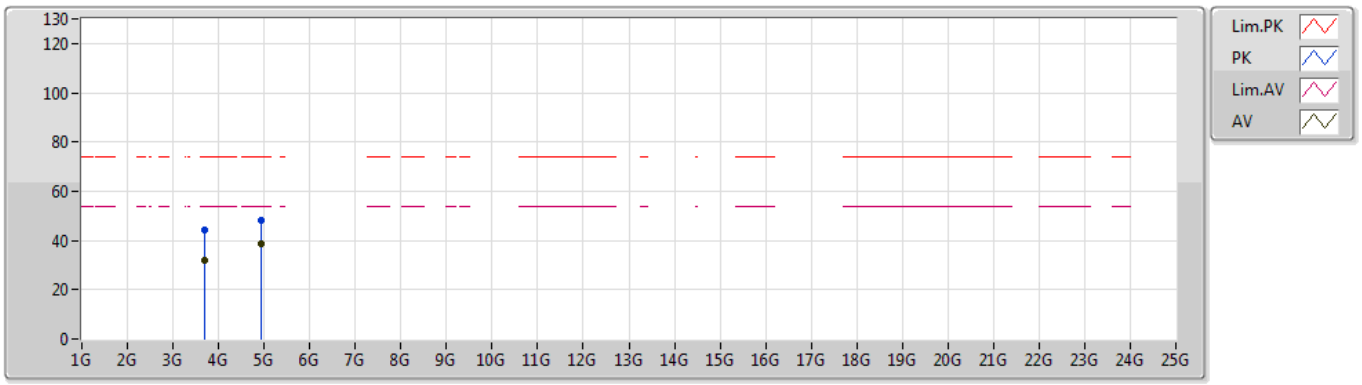
EUT Z_1TX ANT 1
Setting 70
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	106.33	Inf	-Inf	32.35	3	Horizontal	66	1.20	-
AV	2.4638G	102.24	Inf	-Inf	32.35	3	Horizontal	66	1.20	-
PK	2.4856G	60.66	74.00	-13.34	32.42	3	Horizontal	66	1.20	-
AV	2.4835G	49.14	54.00	-4.86	32.41	3	Horizontal	66	1.20	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

09/05/2019



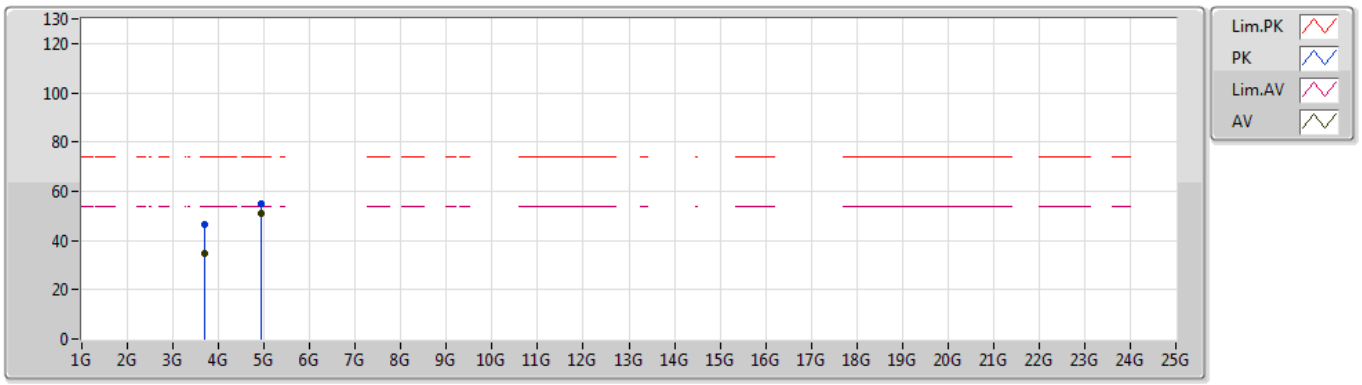
EUT Z_1TX ANT 1
Setting 70
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6958G	44.37	74.00	-29.63	2.80	3	Vertical	186	1.50	-
AV	3.69128G	31.67	54.00	-22.33	2.77	3	Vertical	186	1.50	-
PK	4.92396G	48.06	74.00	-25.94	6.83	3	Vertical	185	1.10	-
AV	4.92404G	38.59	54.00	-15.41	6.83	3	Vertical	185	1.10	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

09/05/2019



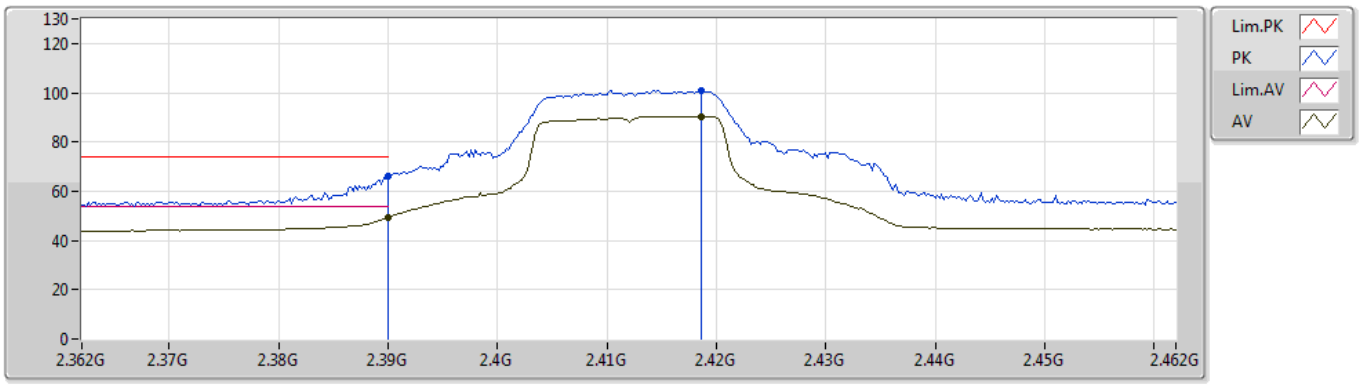
EUT Z_1TX ANT 1
Setting 70
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.69388G	46.54	74.00	-27.46	2.80	3	Horizontal	224	1.01	-
AV	3.69128G	34.81	54.00	-19.19	2.77	3	Horizontal	224	1.01	-
PK	4.92407G	54.71	74.00	-19.29	6.83	3	Horizontal	277	1.10	-
AV	4.92401G	50.94	54.00	-3.06	6.83	3	Horizontal	277	1.10	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

10/05/2019



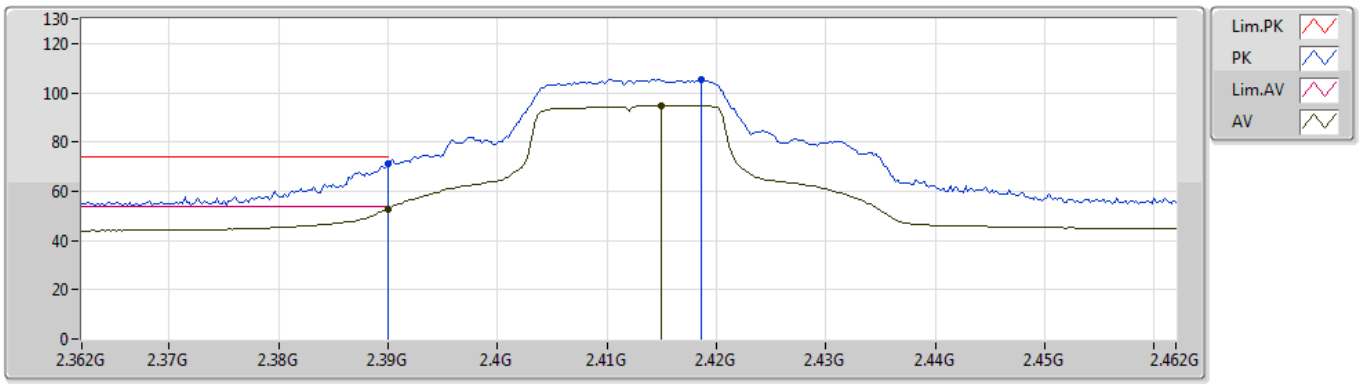
EUT Z_1TX ANT 1
Setting 68
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	66.04	74.00	-7.96	32.13	3	Vertical	134	2.57	-
AV	2.39G	49.36	54.00	-4.64	32.13	3	Vertical	134	2.57	-
PK	2.4186G	100.91	Inf	-Inf	32.21	3	Vertical	134	2.57	-
AV	2.4186G	90.45	Inf	-Inf	32.21	3	Vertical	134	2.57	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

10/05/2019



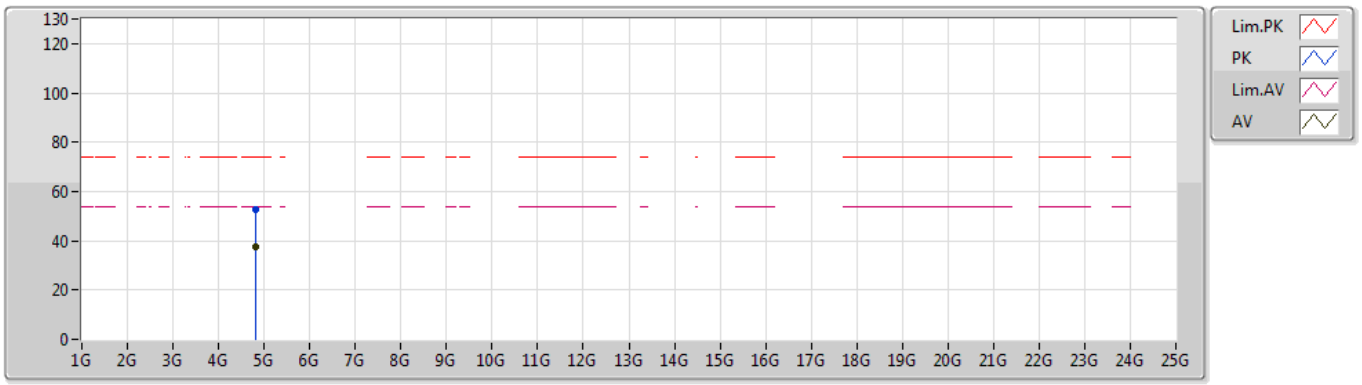
EUT Z_1TX ANT 1
Setting 68
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	71.04	74.00	-2.96	32.13	3	Horizontal	228	1.35	-
AV	2.39G	52.89	54.00	-1.11	32.13	3	Horizontal	228	1.35	-
PK	2.4186G	105.37	Inf	-Inf	32.21	3	Horizontal	228	1.35	-
AV	2.415G	94.89	Inf	-Inf	32.20	3	Horizontal	228	1.35	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

10/05/2019



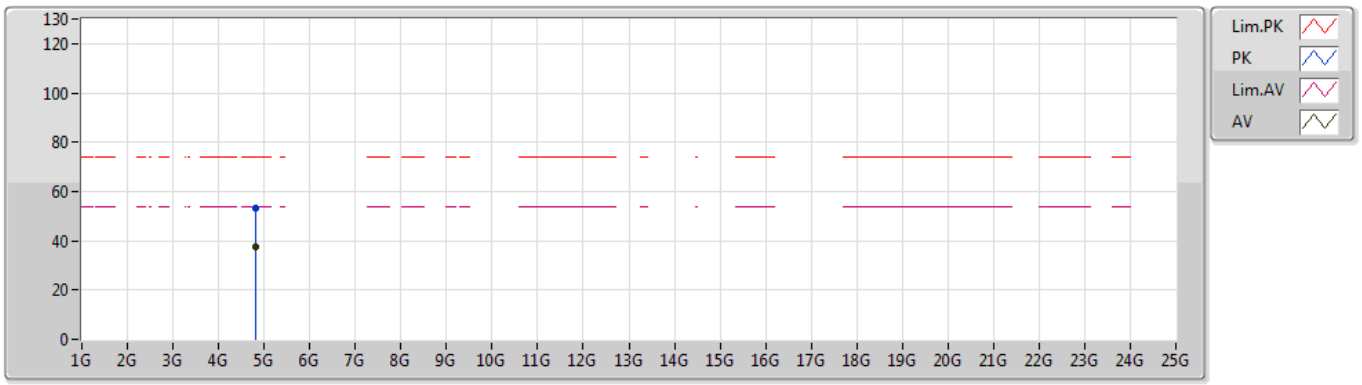
EUT Z_1TX ANT 1
Setting 68
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8243G	52.67	74.00	-21.33	6.59	3	Vertical	313	1.58	-
AV	4.82382G	37.50	54.00	-16.50	6.59	3	Vertical	313	1.58	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

10/05/2019



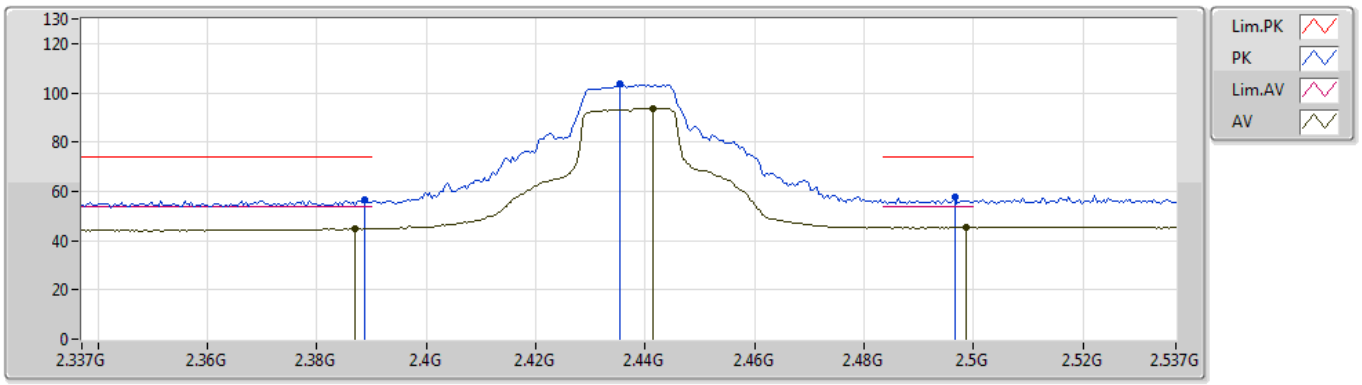
EUT Z_1TX ANT 1
Setting 68
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82292G	53.10	74.00	-20.90	6.58	3	Horizontal	264	1.01	-
AV	4.82394G	37.56	54.00	-16.44	6.59	3	Horizontal	264	1.01	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

10/05/2019



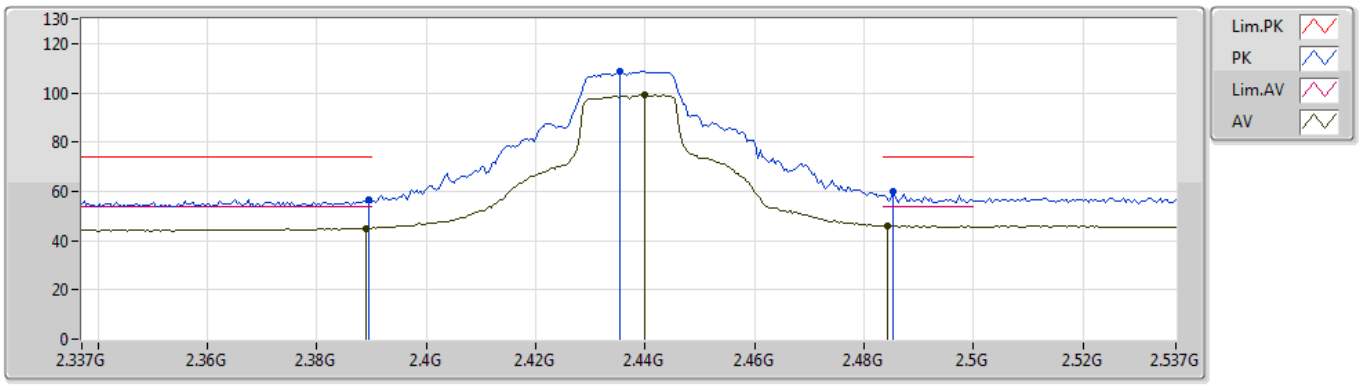
EUT Z_1TX ANT 1
Setting 75
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	56.72	74.00	-17.28	32.12	3	Vertical	136	2.97	-
AV	2.387G	44.83	54.00	-9.17	32.11	3	Vertical	136	2.97	-
PK	2.4354G	103.39	Inf	-Inf	32.27	3	Vertical	136	2.97	-
AV	2.4414G	93.79	Inf	-Inf	32.28	3	Vertical	136	2.97	-
PK	2.4966G	57.51	74.00	-16.49	32.45	3	Vertical	136	2.97	-
AV	2.4986G	45.45	54.00	-8.55	32.46	3	Vertical	136	2.97	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

10/05/2019



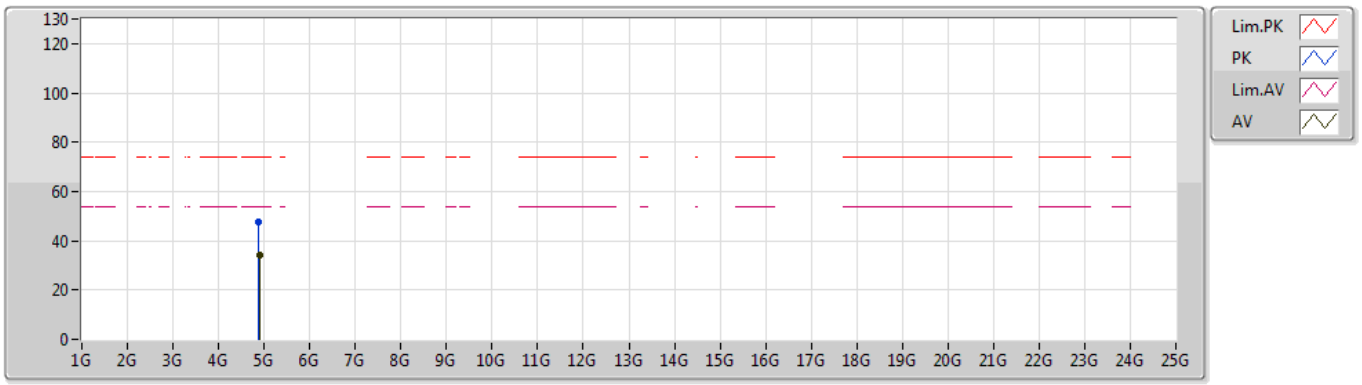
EUT Z_1TX ANT 1
Setting 75
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	56.62	74.00	-17.38	32.13	3	Horizontal	67	1.06	-
AV	2.389G	45.06	54.00	-8.94	32.12	3	Horizontal	67	1.06	-
PK	2.4354G	108.90	Inf	-Inf	32.27	3	Horizontal	67	1.06	-
AV	2.4398G	99.06	Inf	-Inf	32.28	3	Horizontal	67	1.06	-
PK	2.4854G	59.87	74.00	-14.13	32.42	3	Horizontal	67	1.06	-
AV	2.4842G	45.99	54.00	-8.01	32.42	3	Horizontal	67	1.06	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

10/05/2019



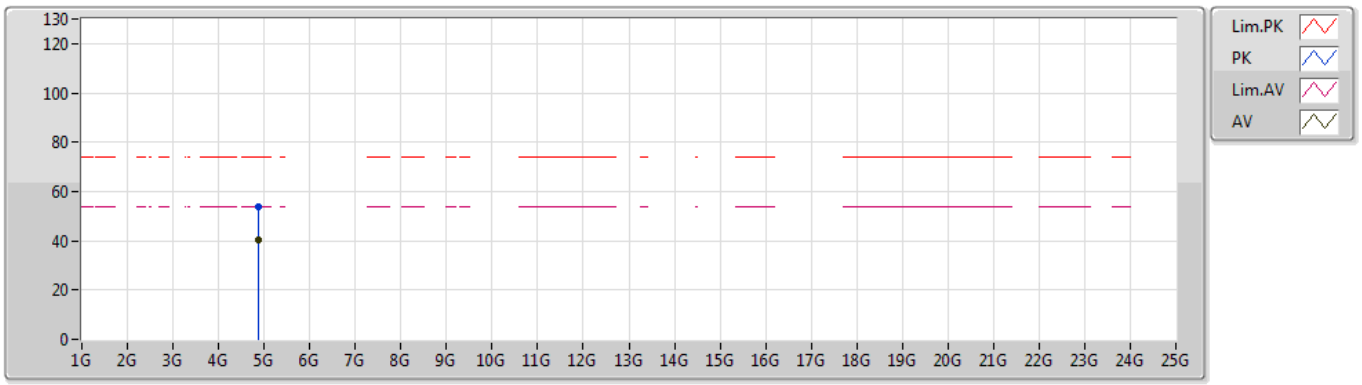
EUT Z_1TX ANT 1
Setting 75
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8658G	47.47	74.00	-26.53	6.69	3	Vertical	33	1.65	-
AV	4.8937G	34.31	54.00	-19.69	6.76	3	Vertical	33	1.65	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

10/05/2019



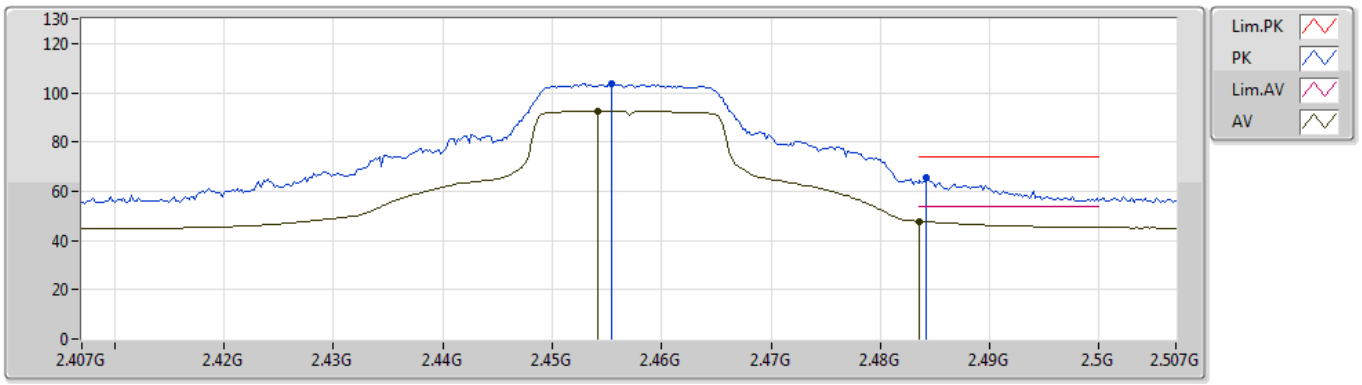
EUT Z_1TX ANT 1
Setting 75
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8771G	53.73	74.00	-20.27	6.72	3	Horizontal	269	1.07	-
AV	4.8737G	40.54	54.00	-13.46	6.71	3	Horizontal	269	1.07	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

09/05/2019



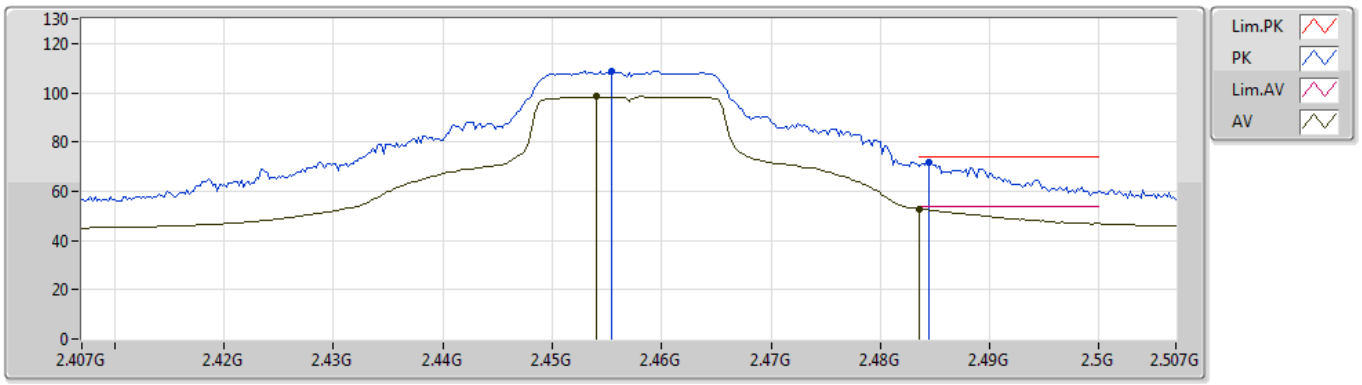
EUT Z_1TX ANT 1
Setting 73
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4554G	103.92	Inf	-Inf	32.32	3	Vertical	135	2.55	-
AV	2.4542G	92.69	Inf	-Inf	32.32	3	Vertical	135	2.55	-
PK	2.4842G	65.46	74.00	-8.54	32.42	3	Vertical	135	2.55	-
AV	2.4835G	47.77	54.00	-6.23	32.41	3	Vertical	135	2.55	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

09/05/2019



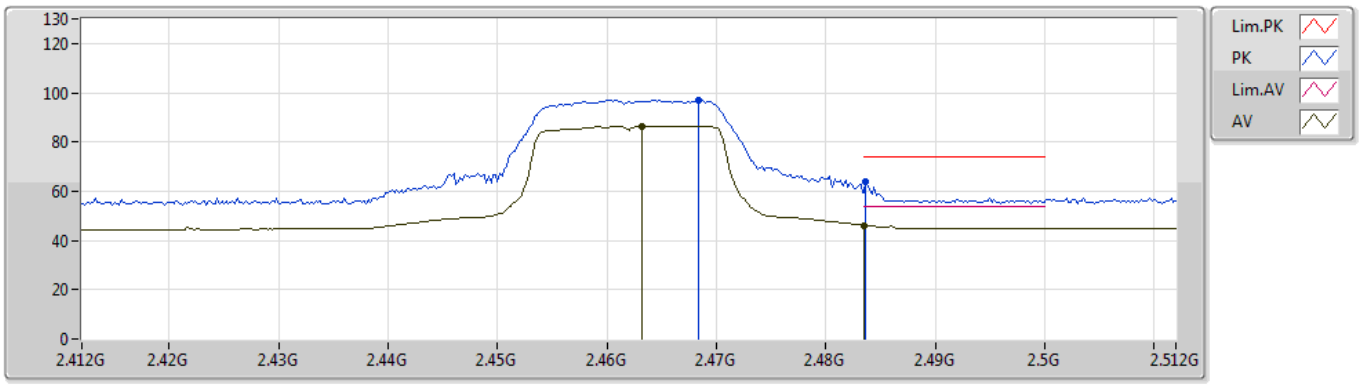
EUT Z_1TX ANT 1
Setting 73
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4554G	108.81	Inf	-Inf	32.32	3	Horizontal	68	1.30	-
AV	2.454G	98.37	Inf	-Inf	32.32	3	Horizontal	68	1.30	-
PK	2.4844G	71.84	74.00	-2.16	32.42	3	Horizontal	68	1.30	-
AV	2.4835G	52.93	54.00	-1.07	32.41	3	Horizontal	68	1.30	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

10/05/2019



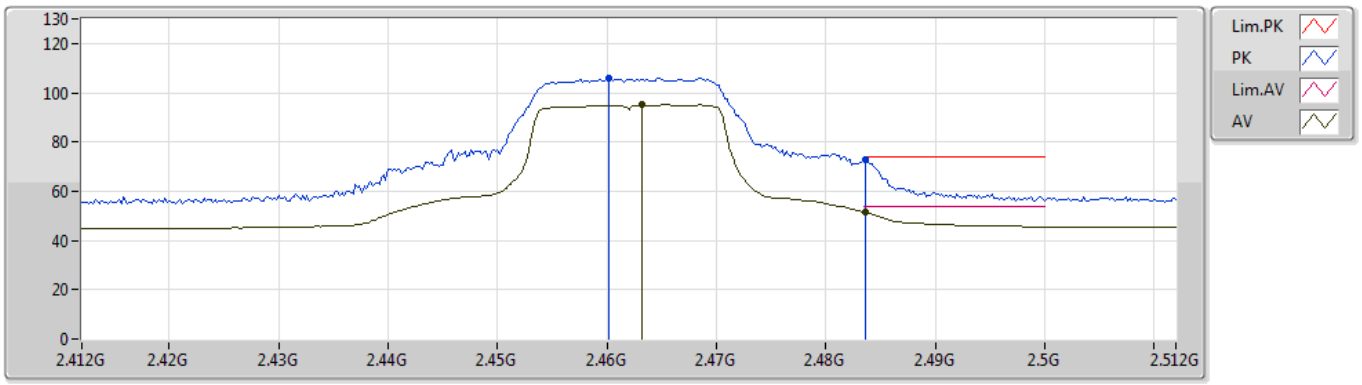
EUT Z_1TX ANT 1
Setting 59
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4684G	97.16	Inf	-Inf	32.36	3	Vertical	200	2.01	-
AV	2.4632G	86.52	Inf	-Inf	32.35	3	Vertical	200	2.01	-
PK	2.4836G	64.10	74.00	-9.90	32.41	3	Vertical	200	2.01	-
AV	2.4835G	46.18	54.00	-7.82	32.41	3	Vertical	200	2.01	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

10/05/2019



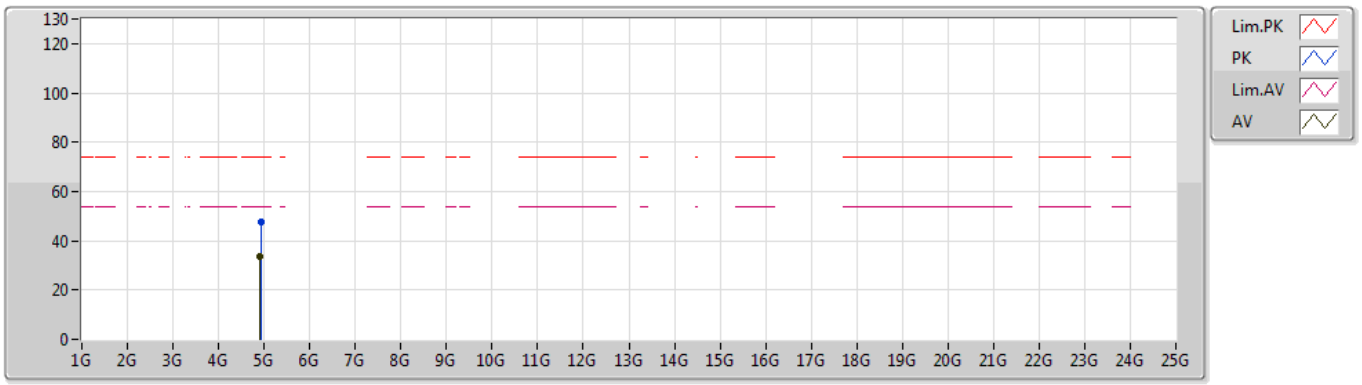
EUT Z_1TX ANT 1
Setting 59
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4602G	105.95	Inf	-Inf	32.34	3	Horizontal	67	1.01	-
AV	2.4632G	95.07	Inf	-Inf	32.35	3	Horizontal	67	1.01	-
PK	2.4836G	72.76	74.00	-1.24	32.41	3	Horizontal	67	1.01	-
AV	2.4836G	51.58	54.00	-2.42	32.41	3	Horizontal	67	1.01	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

10/05/2019



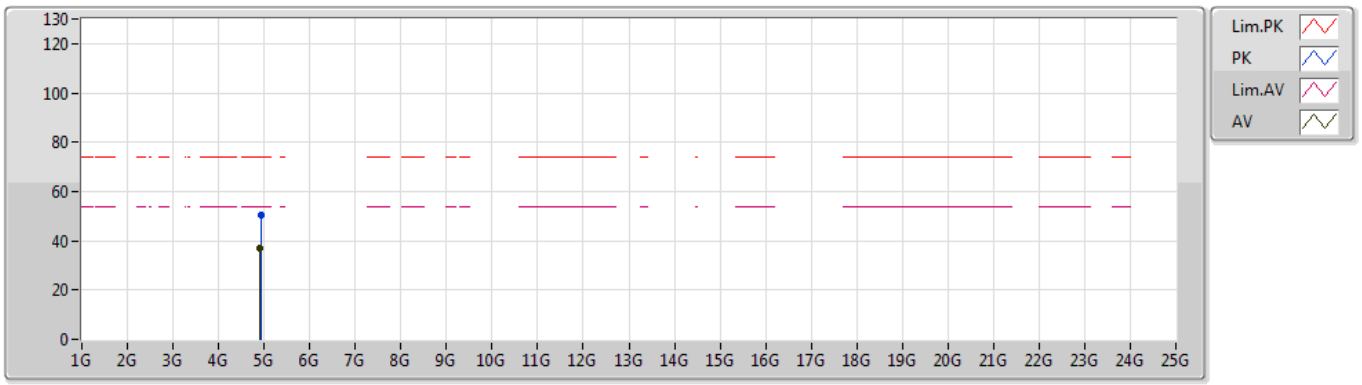
EUT Z_1TX ANT 1
Setting 59
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.93792G	47.73	74.00	-26.27	6.87	3	Vertical	67	1.12	-
AV	4.9105G	33.39	54.00	-20.61	6.81	3	Vertical	67	1.12	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

10/05/2019



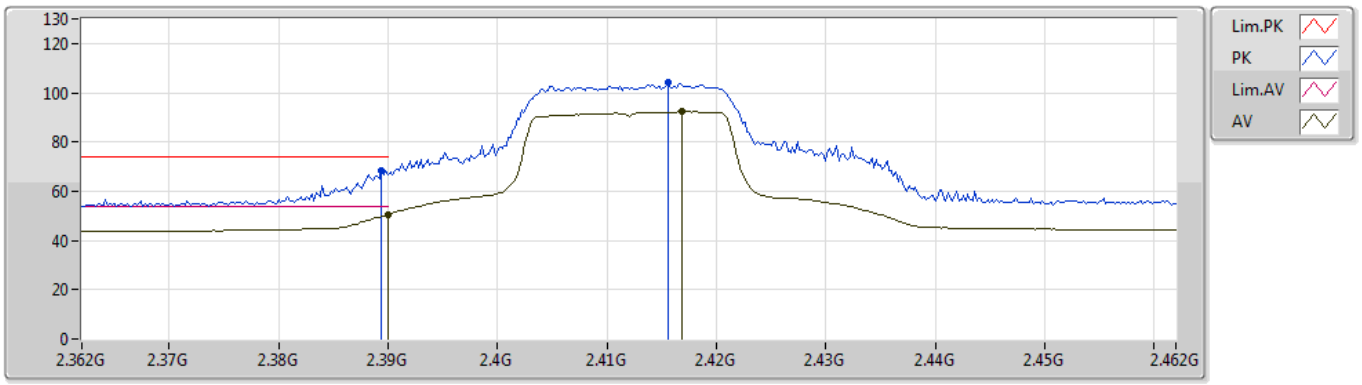
EUT Z_1TX ANT 1
Setting 59
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9204G	50.51	74.00	-26.49	6.82	3	Horizontal	130	1.02	-
AV	4.91056G	37.26	54.00	-19.74	6.81	3	Horizontal	130	1.02	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

29/05/2019



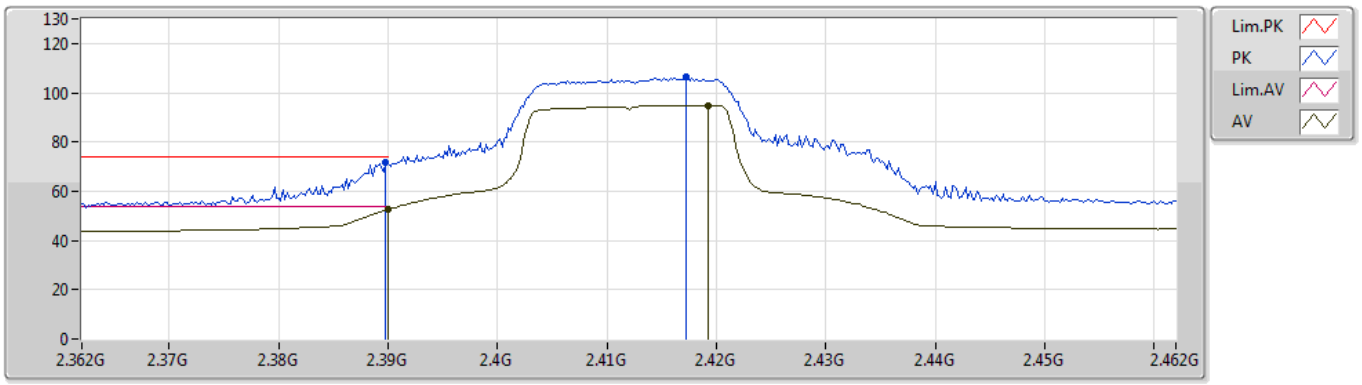
EUT Z_1TX ANT 1
Setting 61
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	68.31	74.00	-5.69	32.13	3	Vertical	57	2.70	-
AV	2.39G	50.55	54.00	-3.45	32.13	3	Vertical	57	2.70	-
PK	2.4156G	104.01	Inf	-Inf	32.20	3	Vertical	57	2.70	-
AV	2.4168G	92.25	Inf	-Inf	32.21	3	Vertical	57	2.70	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

29/05/2019



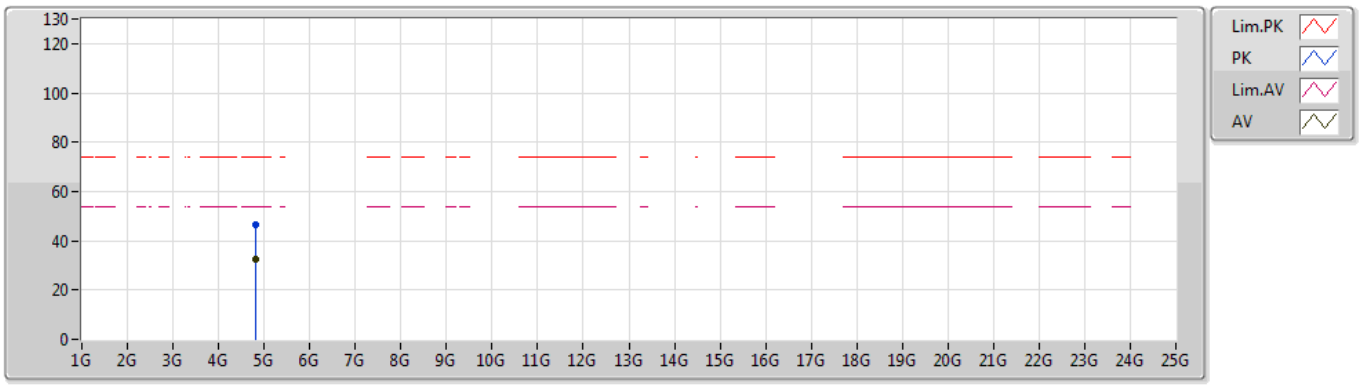
EUT Z_1TX ANT 1
Setting 61
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	71.98	74.00	-2.02	32.13	3	Horizontal	260	1.49	-
AV	2.39G	52.58	54.00	-1.42	32.13	3	Horizontal	260	1.49	-
PK	2.4172G	106.32	Inf	-Inf	32.21	3	Horizontal	260	1.49	-
AV	2.4192G	94.95	Inf	-Inf	32.22	3	Horizontal	260	1.49	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

31/05/2019



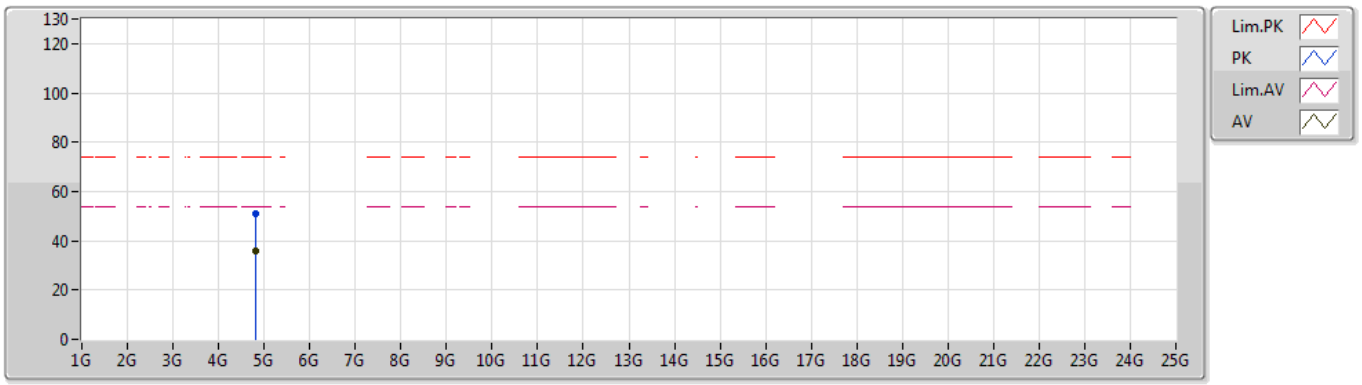
EUT Z_1TX ANT 1
Setting 61
03-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.81218G	46.53	74.00	-27.47	5.08	3	Vertical	32	2.46	-
AV	4.82538G	32.54	54.00	-21.46	5.11	3	Vertical	32	2.46	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

31/05/2019



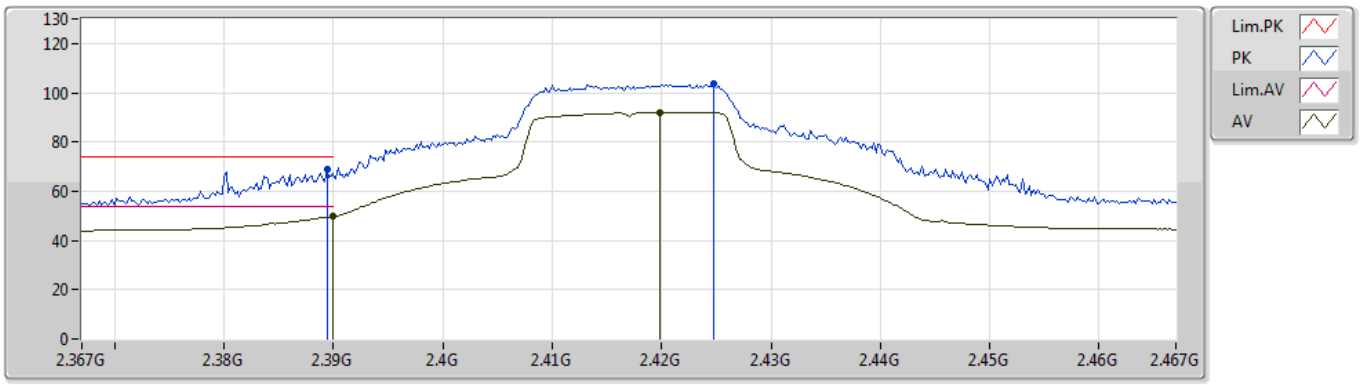
EUT Z_1TX ANT 1
Setting 61
03-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82052G	50.88	74.00	-23.12	5.10	3	Horizontal	246	1.04	-
AV	4.82394G	35.92	54.00	-18.08	5.11	3	Horizontal	246	1.04	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

09/05/2019



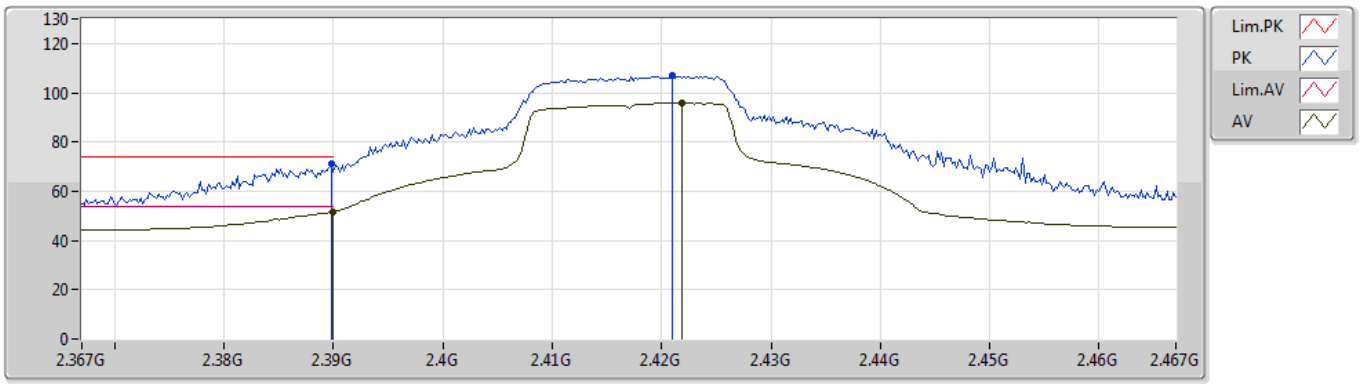
EUT Z_1TX ANT 1
Setting 75
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	68.96	74.00	-5.04	32.13	3	Vertical	137	1.00	-
AV	2.39G	49.75	54.00	-4.25	32.13	3	Vertical	137	1.00	-
PK	2.4248G	103.43	Inf	-Inf	32.23	3	Vertical	137	1.00	-
AV	2.4198G	92.05	Inf	-Inf	32.22	3	Vertical	137	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

09/05/2019



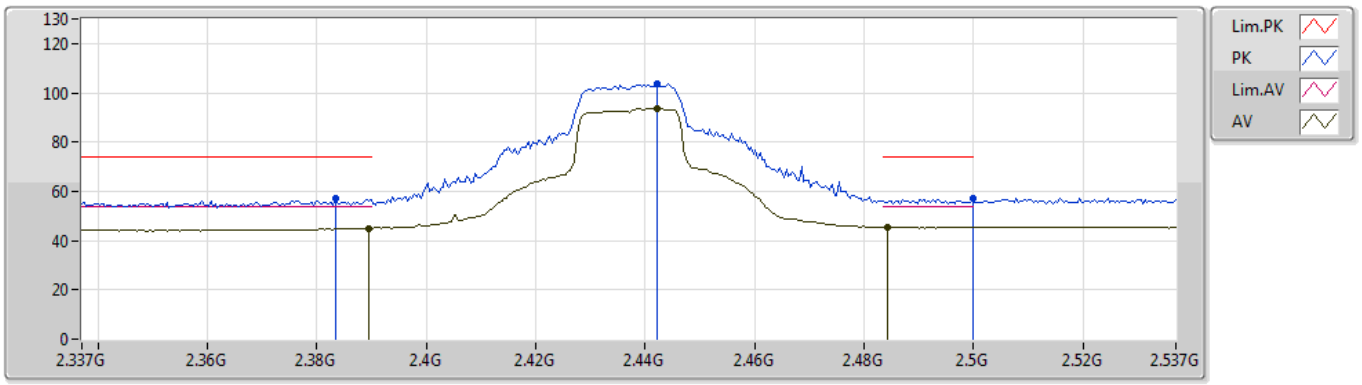
EUT Z_1TX ANT 1
Setting 75
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	71.18	74.00	-2.82	32.13	3	Horizontal	68	1.49	-
AV	2.39G	51.62	54.00	-2.38	32.13	3	Horizontal	68	1.49	-
PK	2.421G	107.02	Inf	-Inf	32.23	3	Horizontal	68	1.49	-
AV	2.4218G	95.67	Inf	-Inf	32.23	3	Horizontal	68	1.49	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

10/05/2019



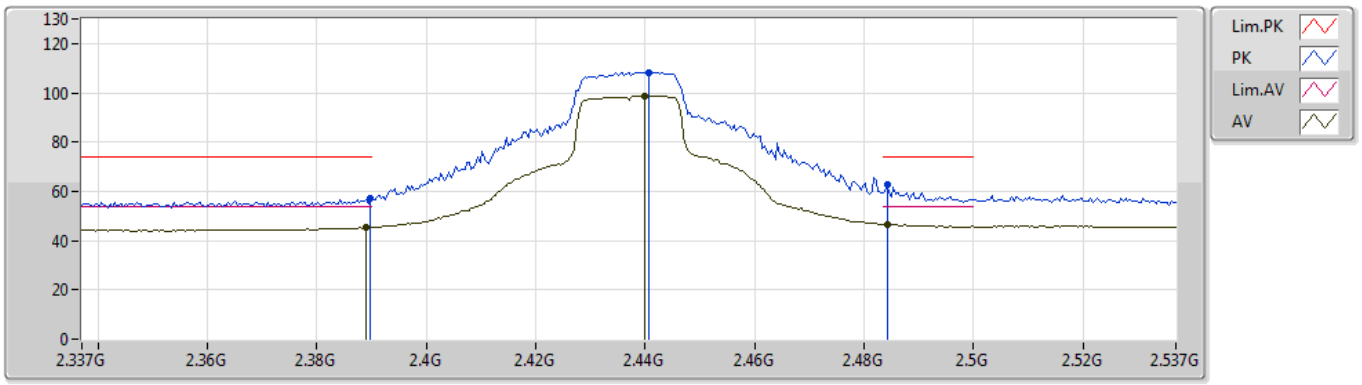
EUT Z_1TX ANT 1
Setting 75
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3834G	57.25	74.00	-16.75	32.10	3	Vertical	140	2.97	-
AV	2.3894G	45.03	54.00	-8.97	32.13	3	Vertical	140	2.97	-
PK	2.4422G	103.80	Inf	-Inf	32.28	3	Vertical	140	2.97	-
AV	2.4422G	93.55	Inf	-Inf	32.28	3	Vertical	140	2.97	-
PK	2.4998G	57.06	74.00	-16.94	32.46	3	Vertical	140	2.97	-
AV	2.4842G	45.47	54.00	-8.53	32.42	3	Vertical	140	2.97	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

10/05/2019



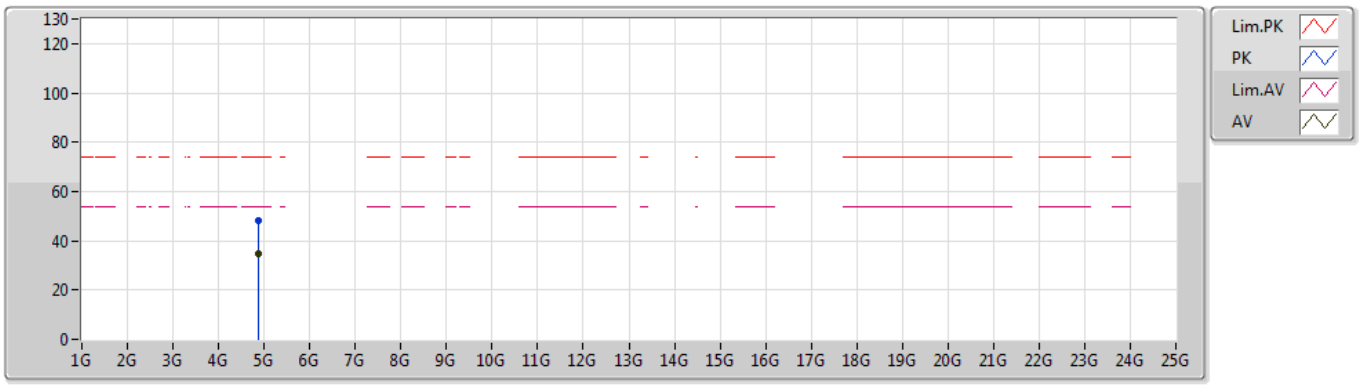
EUT Z_1TX ANT 1
Setting 75
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	57.11	74.00	-16.89	32.13	3	Horizontal	66	1.05	-
AV	2.389G	45.36	54.00	-8.64	32.12	3	Horizontal	66	1.05	-
PK	2.4406G	108.40	Inf	-Inf	32.28	3	Horizontal	66	1.05	-
AV	2.4398G	98.75	Inf	-Inf	32.28	3	Horizontal	66	1.05	-
PK	2.4842G	62.88	74.00	-11.12	32.42	3	Horizontal	66	1.05	-
AV	2.4842G	46.61	54.00	-7.39	32.42	3	Horizontal	66	1.05	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

10/05/2019



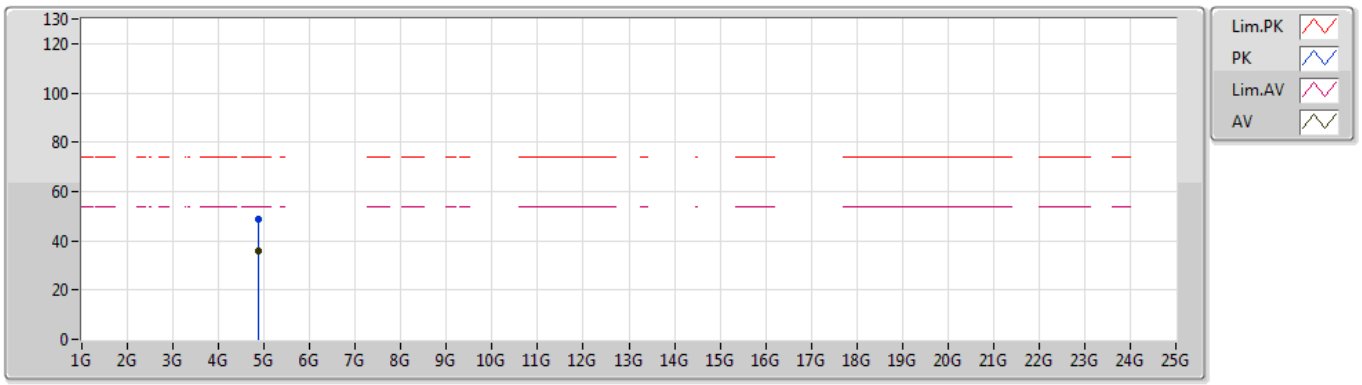
EUT Z_1TX ANT 1
Setting 75
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8752G	48.01	74.00	-25.99	6.71	3	Vertical	39	1.38	-
AV	4.87322G	34.57	54.00	-19.43	6.71	3	Vertical	39	1.38	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

10/05/2019



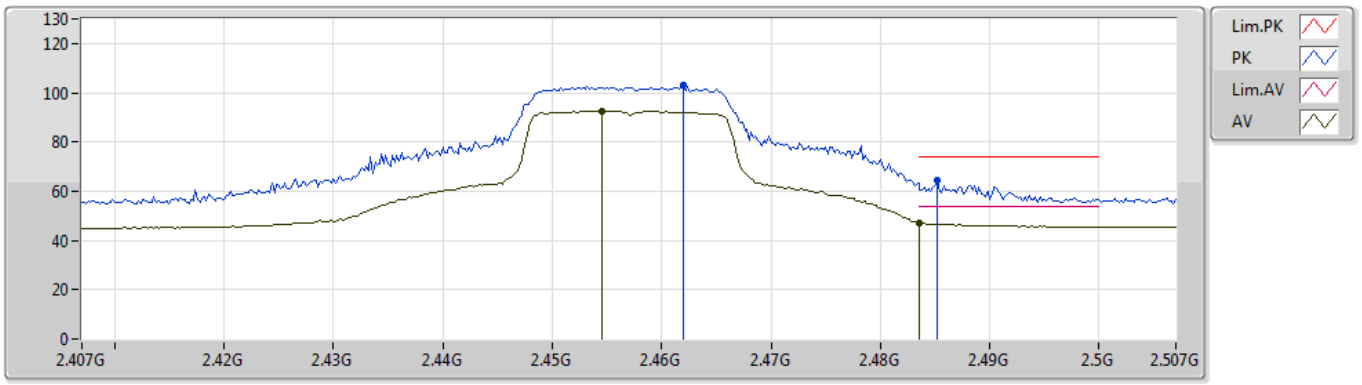
EUT Z_1TX ANT 1
Setting 75
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87472G	48.93	74.00	-25.07	6.71	3	Horizontal	237	1.50	-
AV	4.8743G	35.66	54.00	-18.34	6.71	3	Horizontal	237	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

10/05/2019



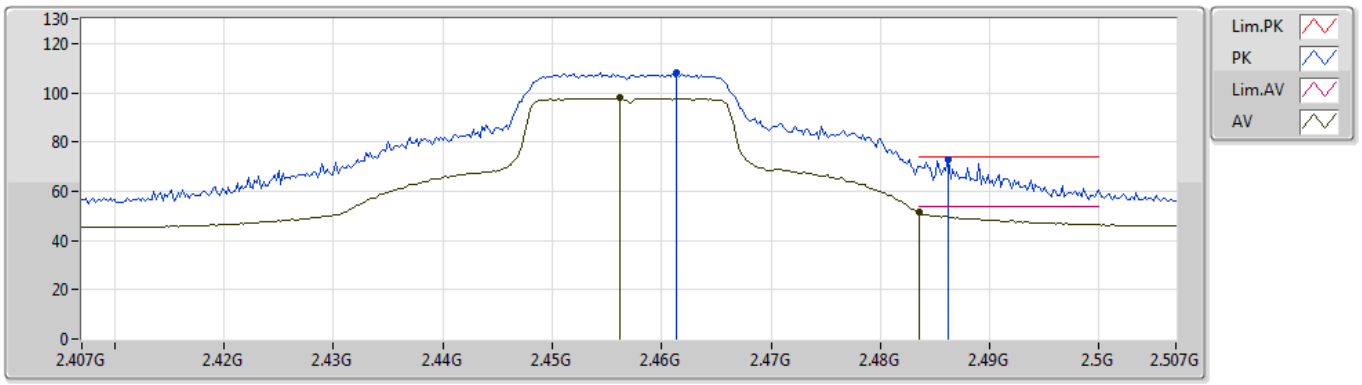
EUT Z_1TX ANT 1
Setting 68
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.462G	103.12	Inf	-Inf	32.35	3	Vertical	135	2.54	-
AV	2.4546G	92.55	Inf	-Inf	32.32	3	Vertical	135	2.54	-
PK	2.4852G	64.39	74.00	-9.61	32.42	3	Vertical	135	2.54	-
AV	2.4835G	47.18	54.00	-6.82	32.41	3	Vertical	135	2.54	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

10/05/2019



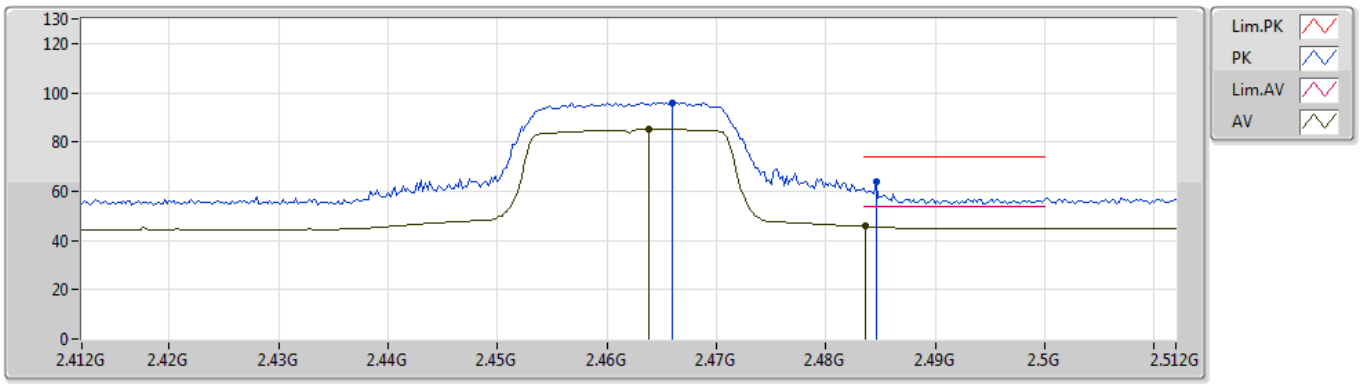
EUT Z_1TX ANT 1
Setting 68
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4614G	108.28	Inf	-Inf	32.35	3	Horizontal	65	1.28	-
AV	2.4562G	97.81	Inf	-Inf	32.32	3	Horizontal	65	1.28	-
PK	2.4862G	72.77	74.00	-1.23	32.42	3	Horizontal	65	1.28	-
AV	2.4835G	51.31	54.00	-2.69	32.41	3	Horizontal	65	1.28	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

10/05/2019



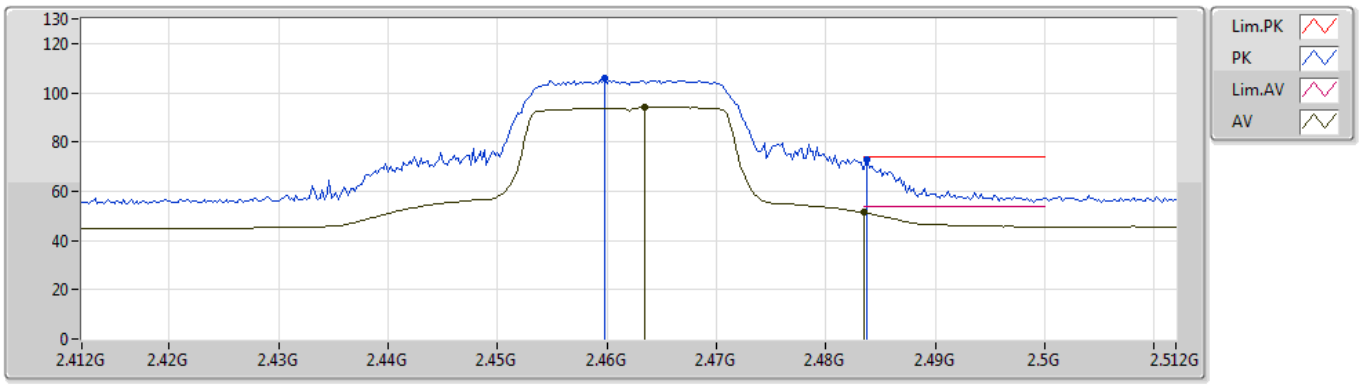
EUT Z_1TX ANT 1
Setting 55
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.466G	96.01	Inf	-Inf	32.36	3	Vertical	202	1.99	-
AV	2.4638G	85.10	Inf	-Inf	32.35	3	Vertical	202	1.99	-
PK	2.4846G	63.82	74.00	-10.18	32.42	3	Vertical	202	1.99	-
AV	2.4836G	45.70	54.00	-8.30	32.41	3	Vertical	202	1.99	-

802.11n HT20_Nss1,(MCS0)_1TX

10/05/2019

2462MHz_TX



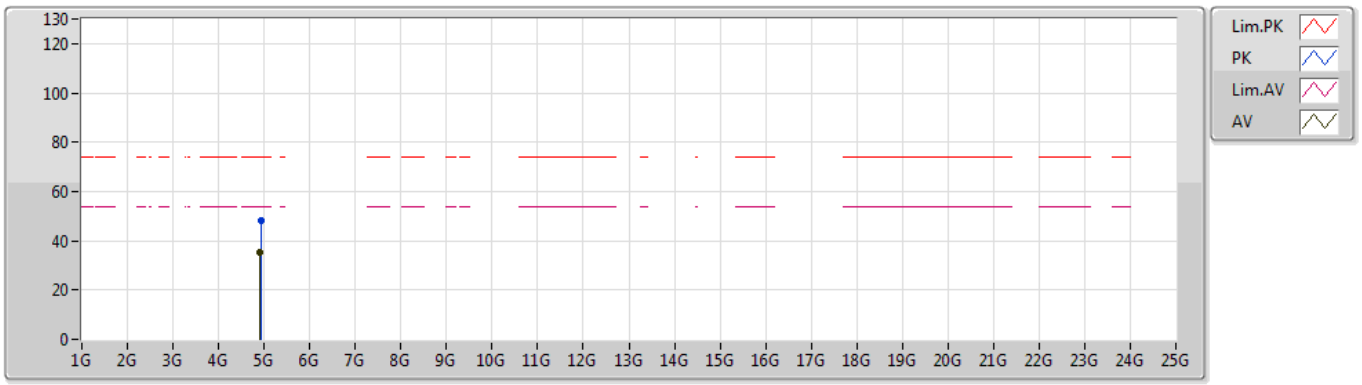
EUT Z_1TX ANT 1
Setting 55
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4598G	105.77	Inf	-Inf	32.34	3	Horizontal	67	1.00	-
AV	2.4634G	93.98	Inf	-Inf	32.35	3	Horizontal	67	1.00	-
PK	2.4838G	72.93	74.00	-1.07	32.41	3	Horizontal	67	1.00	-
AV	2.4835G	51.32	54.00	-2.68	32.41	3	Horizontal	67	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

10/05/2019



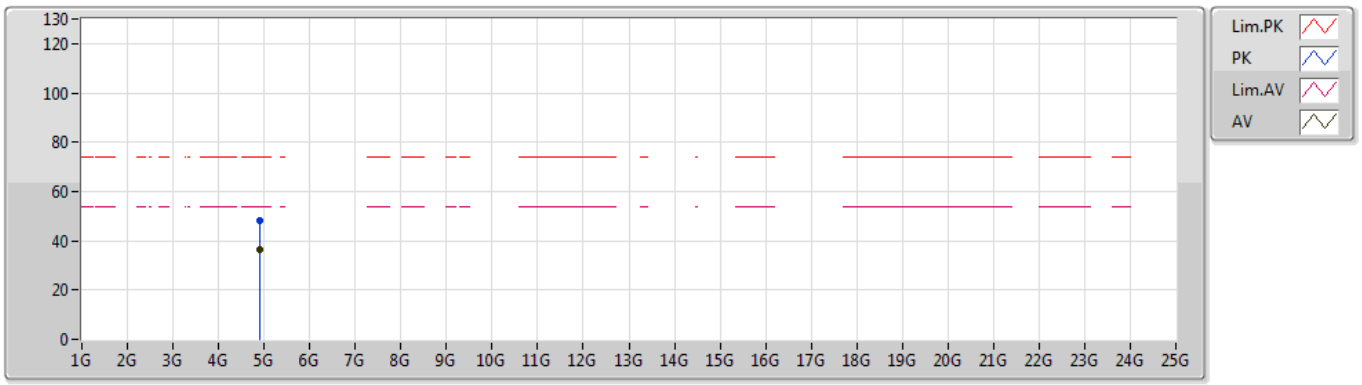
EUT Z_1TX ANT 1
Setting 55
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92196G	48.26	74.00	-25.74	6.82	3	Vertical	222	1.44	-
AV	4.9108G	35.19	54.00	-18.81	6.81	3	Vertical	222	1.44	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

10/05/2019



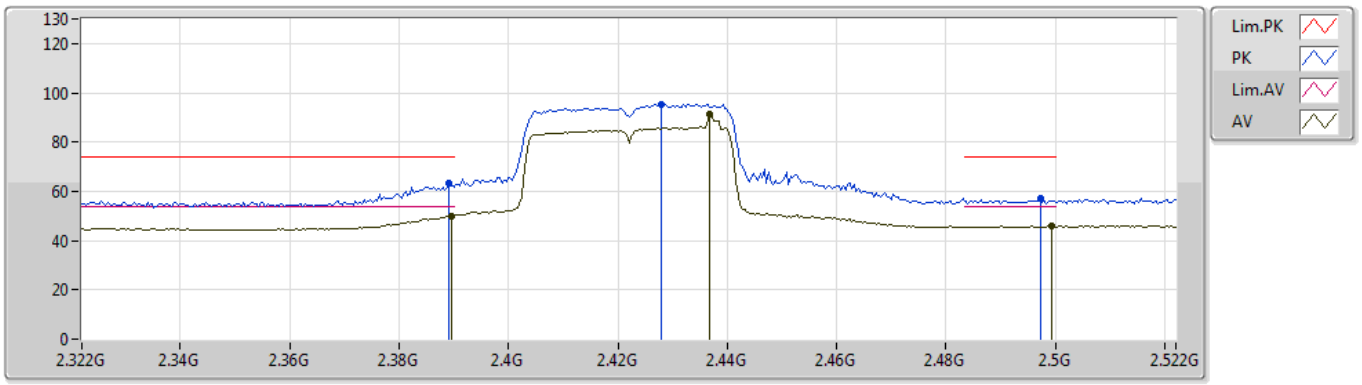
EUT Z_1TX ANT 1
Setting 55
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91032G	48.02	74.00	-25.98	6.81	3	Horizontal	324	1.16	-
AV	4.91008G	36.15	54.00	-17.85	6.81	3	Horizontal	324	1.16	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

10/05/2019



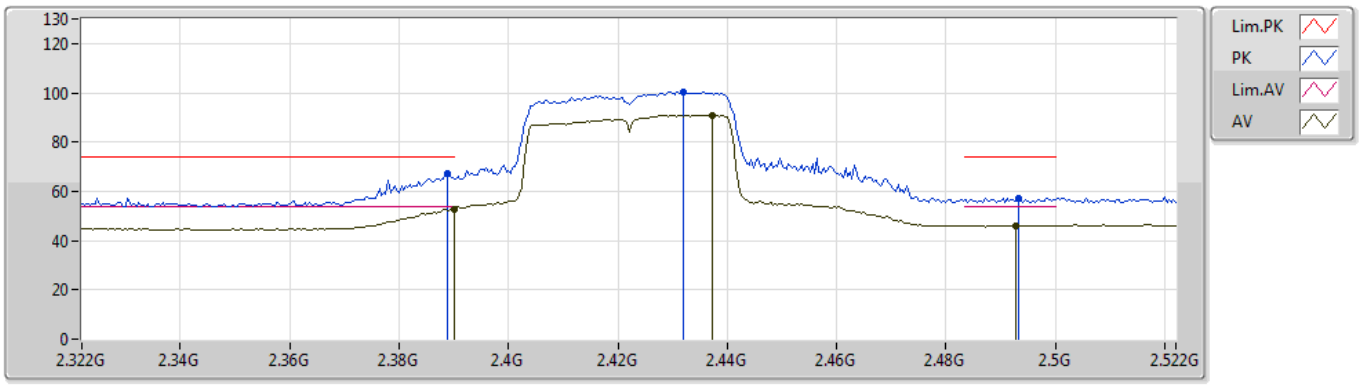
EUT Z_1TX ANT 1
Setting 56
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	63.13	74.00	-10.87	32.13	3	Vertical	136	2.71	-
AV	2.3896G	50.14	54.00	-3.86	32.13	3	Vertical	136	2.71	-
PK	2.428G	95.37	Inf	-Inf	32.24	3	Vertical	136	2.71	-
AV	2.4368G	91.56	Inf	-Inf	32.27	3	Vertical	136	2.71	-
PK	2.4972G	56.89	74.00	-17.11	32.45	3	Vertical	136	2.71	-
AV	2.4992G	46.13	54.00	-7.87	32.46	3	Vertical	136	2.71	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

10/05/2019



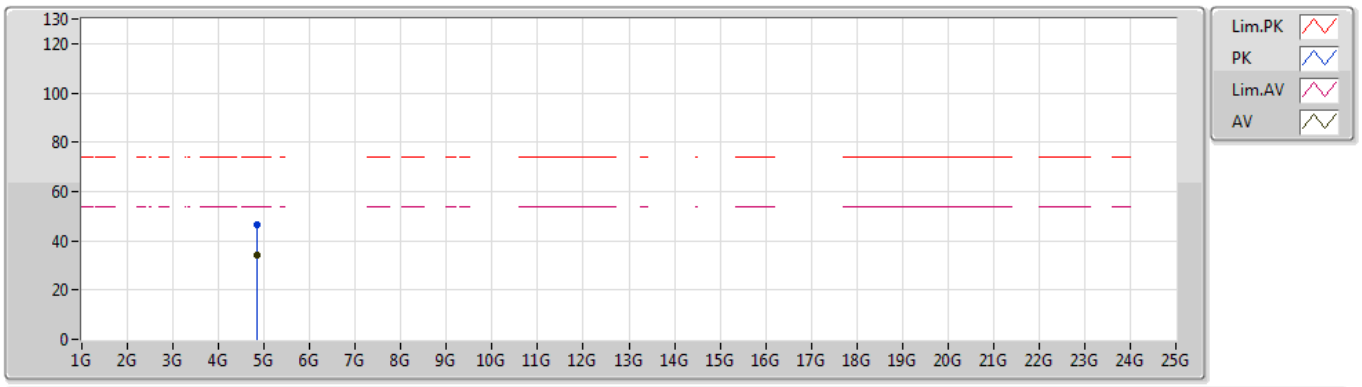
EUT Z_1TX ANT 1
Setting 56
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	67.15	74.00	-6.85	32.12	3	Horizontal	67	1.39	-
AV	2.39G	52.86	54.00	-1.14	32.13	3	Horizontal	67	1.39	-
PK	2.432G	100.57	Inf	-Inf	32.26	3	Horizontal	67	1.39	-
AV	2.4372G	90.87	Inf	-Inf	32.27	3	Horizontal	67	1.39	-
PK	2.4932G	57.16	74.00	-16.84	32.44	3	Horizontal	67	1.39	-
AV	2.4928G	46.19	54.00	-7.81	32.43	3	Horizontal	67	1.39	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

10/05/2019



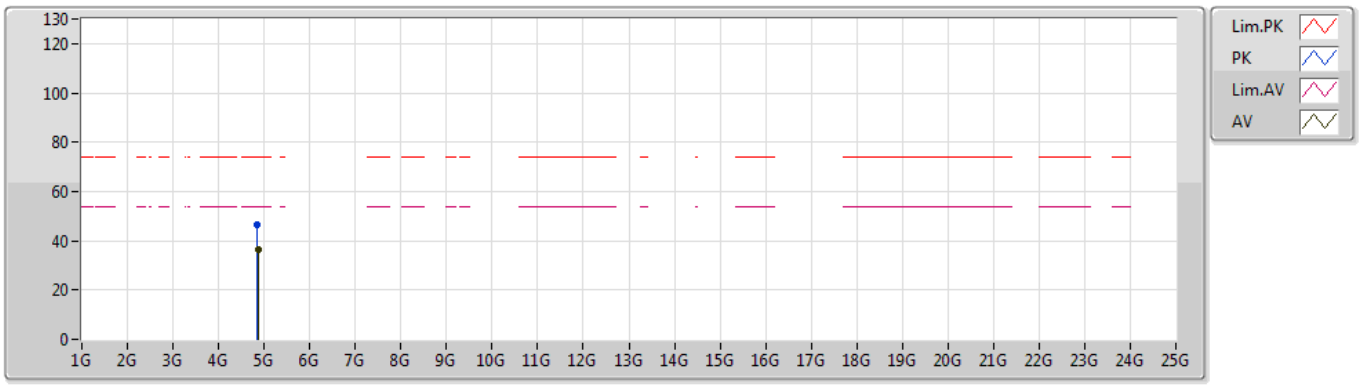
EUT Z_1TX ANT 1
Setting 56
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.85552G	46.77	74.00	-27.23	6.66	3	Vertical	142	1.89	-
AV	4.85858G	34.30	54.00	-19.70	6.67	3	Vertical	142	1.89	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

10/05/2019



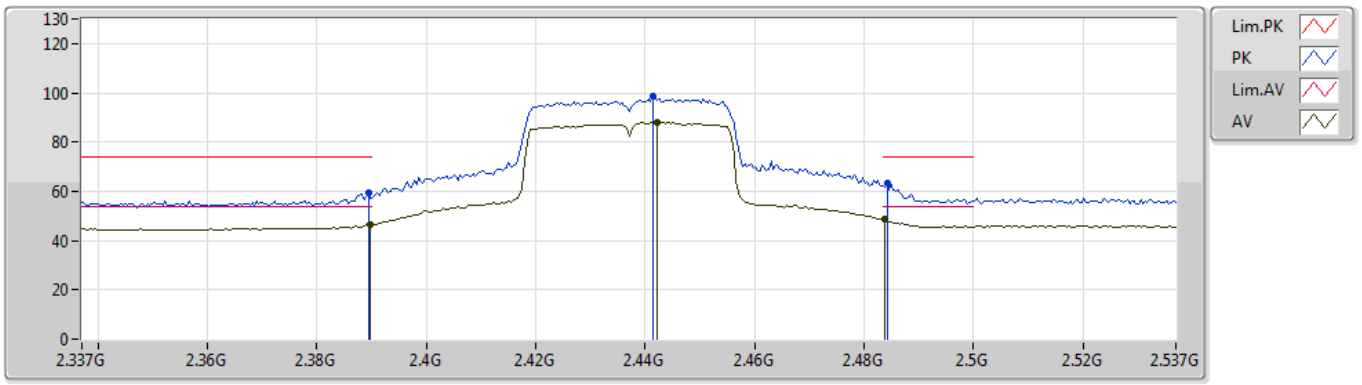
EUT Z_1TX ANT 1
Setting 56
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.83338G	46.67	74.00	-27.33	6.61	3	Horizontal	321	1.82	-
AV	4.859G	36.29	54.00	-17.71	6.67	3	Horizontal	321	1.82	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

10/05/2019



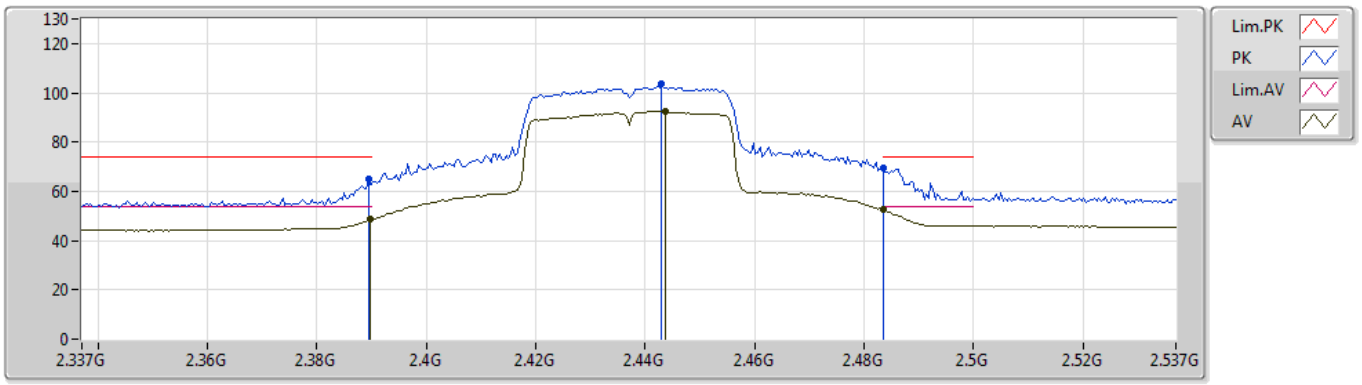
EUT Z_1TX ANT 1
Setting 63
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	59.61	74.00	-14.39	32.13	3	Vertical	139	2.99	-
AV	2.3898G	46.57	54.00	-7.43	32.13	3	Vertical	139	2.99	-
PK	2.4414G	98.42	Inf	-Inf	32.28	3	Vertical	139	2.99	-
AV	2.4422G	88.02	Inf	-Inf	32.28	3	Vertical	139	2.99	-
PK	2.4842G	63.56	74.00	-10.44	32.42	3	Vertical	139	2.99	-
AV	2.4838G	48.59	54.00	-5.41	32.41	3	Vertical	139	2.99	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

10/05/2019



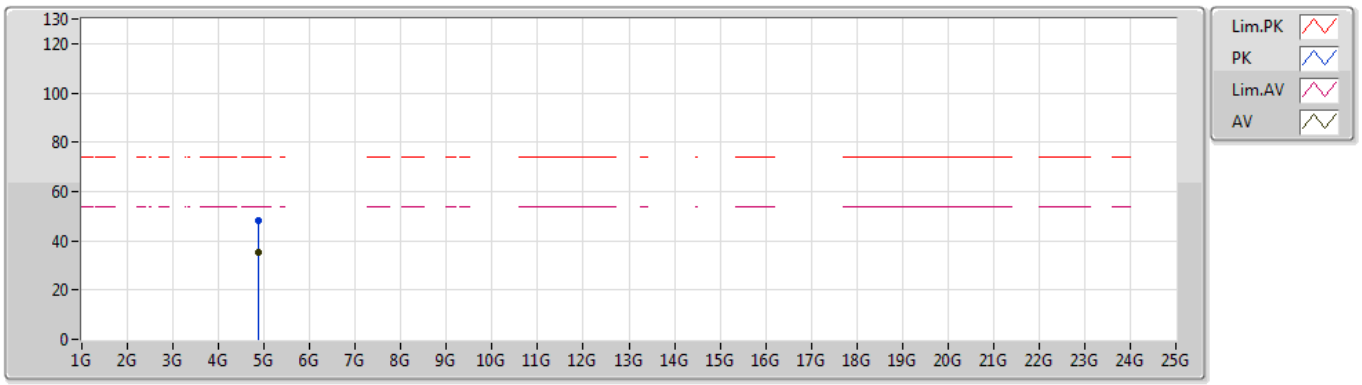
EUT Z_1TX ANT 1
Setting 63
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	64.75	74.00	-9.25	32.13	3	Horizontal	65	1.05	-
AV	2.3898G	48.74	54.00	-5.26	32.13	3	Horizontal	65	1.05	-
PK	2.443G	103.72	Inf	-Inf	32.28	3	Horizontal	65	1.05	-
AV	2.4438G	92.64	Inf	-Inf	32.30	3	Horizontal	65	1.05	-
PK	2.48351G	69.27	74.00	-4.73	32.41	3	Horizontal	65	1.05	-
AV	2.48351G	52.77	54.00	-1.23	32.41	3	Horizontal	65	1.05	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

10/05/2019



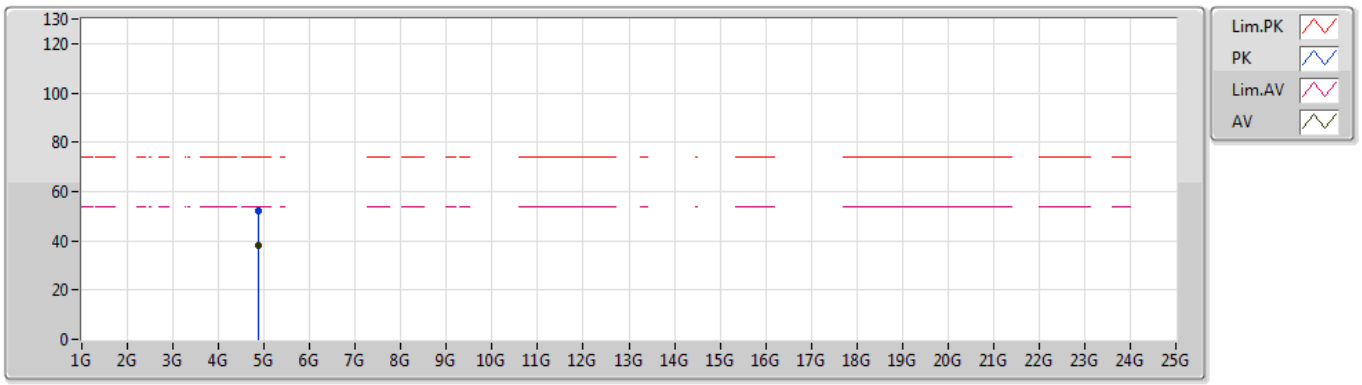
EUT Z_1TX ANT 1
Setting 63
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87538G	48.41	74.00	-25.59	6.71	3	Vertical	178	1.26	-
AV	4.87466G	35.29	54.00	-18.71	6.71	3	Vertical	178	1.26	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

10/05/2019



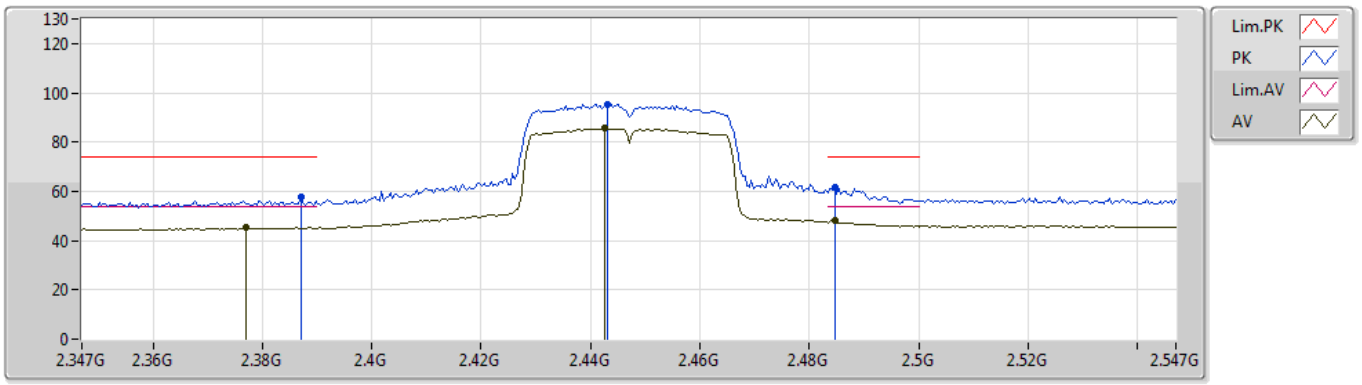
EUT Z_1TX ANT 1
Setting 63
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87418G	51.99	74.00	-22.01	6.71	3	Horizontal	100	1.91	-
AV	4.8755G	38.20	54.00	-15.80	6.71	3	Horizontal	100	1.91	-

802.11n HT40_Nss1,(MCS0)_1TX

2447MHz_TX

10/05/2019



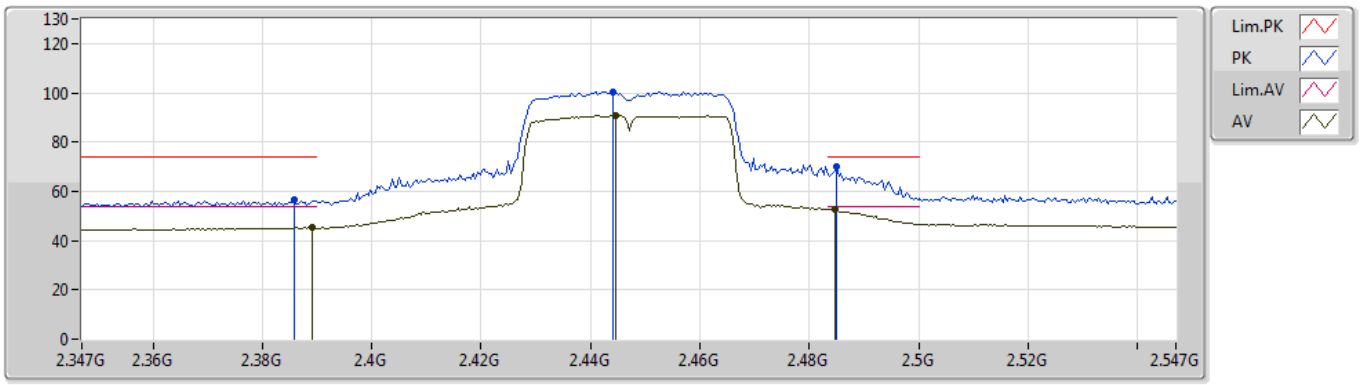
EUT Z_1TX ANT 1
Setting 53
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	57.80	74.00	-16.20	32.11	3	Vertical	136	2.97	-
AV	2.377G	45.19	54.00	-8.81	32.08	3	Vertical	136	2.97	-
PK	2.443G	95.29	Inf	-Inf	32.28	3	Vertical	136	2.97	-
AV	2.4426G	85.61	Inf	-Inf	32.28	3	Vertical	136	2.97	-
PK	2.4846G	61.36	74.00	-12.64	32.42	3	Vertical	136	2.97	-
AV	2.4846G	48.03	54.00	-5.97	32.42	3	Vertical	136	2.97	-

802.11n HT40_Nss1,(MCS0)_1TX

2447MHz_TX

10/05/2019



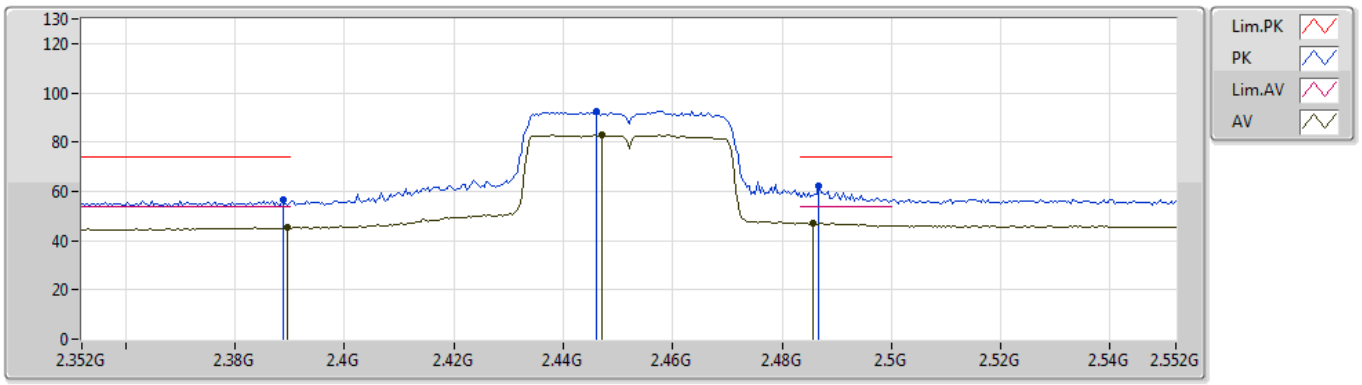
EUT Z_1TX ANT 1
Setting 53
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3858G	56.53	74.00	-17.47	32.11	3	Horizontal	68	1.04	-
AV	2.389G	45.40	54.00	-8.60	32.12	3	Horizontal	68	1.04	-
PK	2.4442G	100.47	Inf	-Inf	32.30	3	Horizontal	68	1.04	-
AV	2.4446G	90.72	Inf	-Inf	32.30	3	Horizontal	68	1.04	-
PK	2.485G	69.88	74.00	-4.12	32.42	3	Horizontal	68	1.04	-
AV	2.4846G	52.88	54.00	-1.12	32.42	3	Horizontal	68	1.04	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

10/05/2019



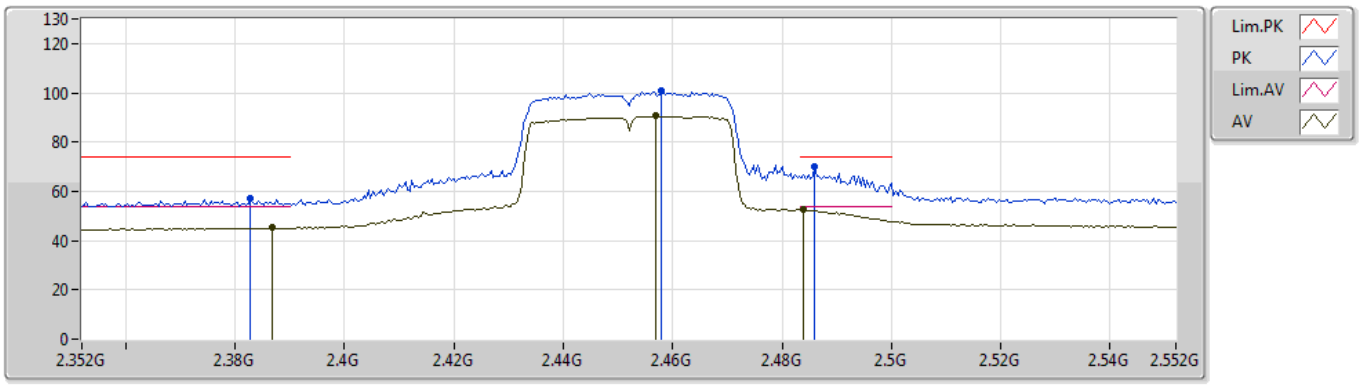
EUT Z_1TX ANT 1
Setting 50
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	56.50	74.00	-17.50	32.12	3	Vertical	137	1.01	-
AV	2.3896G	45.26	54.00	-8.74	32.13	3	Vertical	137	1.01	-
PK	2.446G	92.71	Inf	-Inf	32.30	3	Vertical	137	1.01	-
AV	2.4472G	82.79	Inf	-Inf	32.30	3	Vertical	137	1.01	-
PK	2.4868G	62.46	74.00	-11.54	32.42	3	Vertical	137	1.01	-
AV	2.4856G	47.19	54.00	-6.81	32.42	3	Vertical	137	1.01	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

10/05/2019



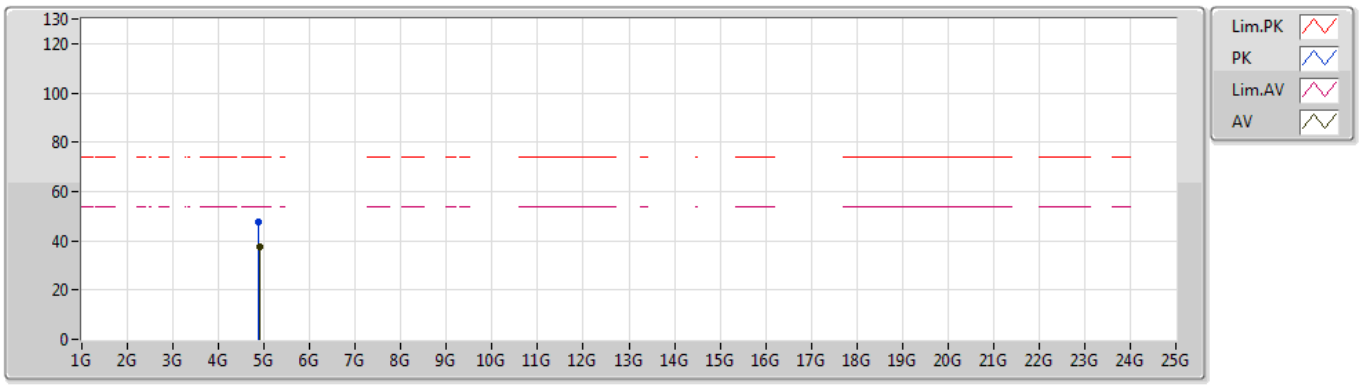
EUT Z_1TX ANT 1
Setting 50
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3828G	57.11	74.00	-16.89	32.10	3	Horizontal	66	1.31	-
AV	2.3868G	45.11	54.00	-8.89	32.11	3	Horizontal	66	1.31	-
PK	2.458G	101.14	Inf	-Inf	32.34	3	Horizontal	66	1.31	-
AV	2.4568G	90.54	Inf	-Inf	32.33	3	Horizontal	66	1.31	-
PK	2.486G	69.97	74.00	-4.03	32.42	3	Horizontal	66	1.31	-
AV	2.484G	52.84	54.00	-1.16	32.41	3	Horizontal	66	1.31	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

10/05/2019



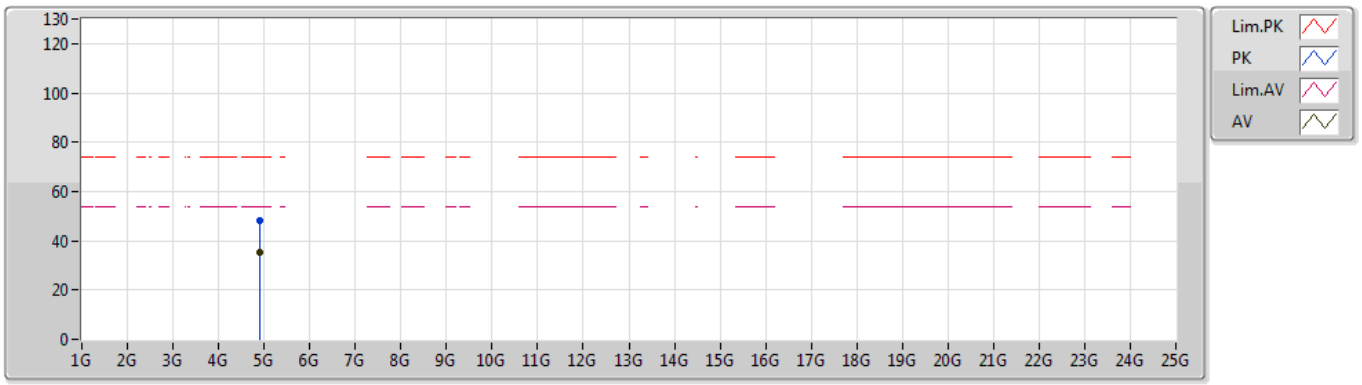
EUT Z_1TX ANT 1
Setting 50
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8818G	47.82	74.00	-26.18	6.72	3	Vertical	49	1.02	-
AV	4.904G	37.47	54.00	-16.53	6.78	3	Vertical	49	1.02	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

10/05/2019



EUT Z_1TX ANT 1
Setting 50
06-N-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9074G	48.31	74.00	-25.69	6.78	3	Horizontal	235	1.65	-
AV	4.9077G	35.35	54.00	-18.65	6.78	3	Horizontal	235	1.65	-

<Mode 2: Ant. 2 + Place EUT in Z axis>

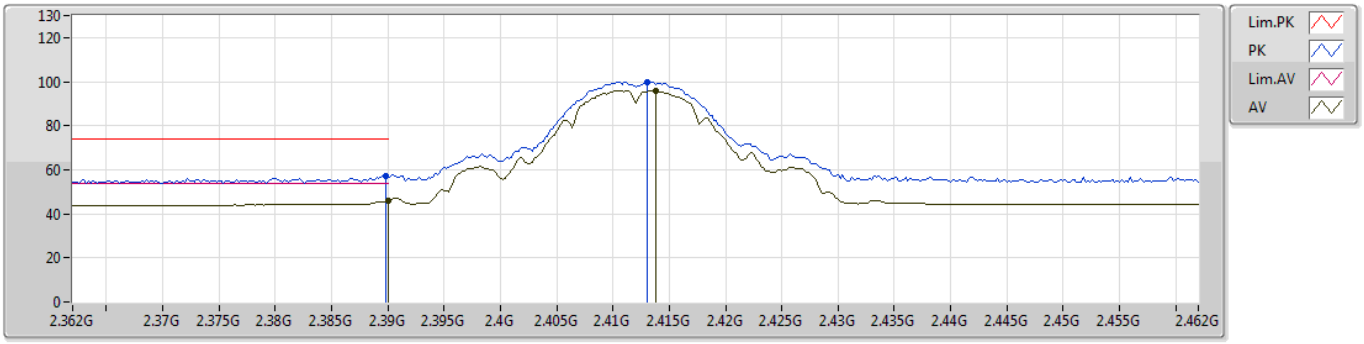
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	2.4836G	72.88	74.00	-1.12	32.41	3	Horizontal	76	1.25	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

06/05/2019



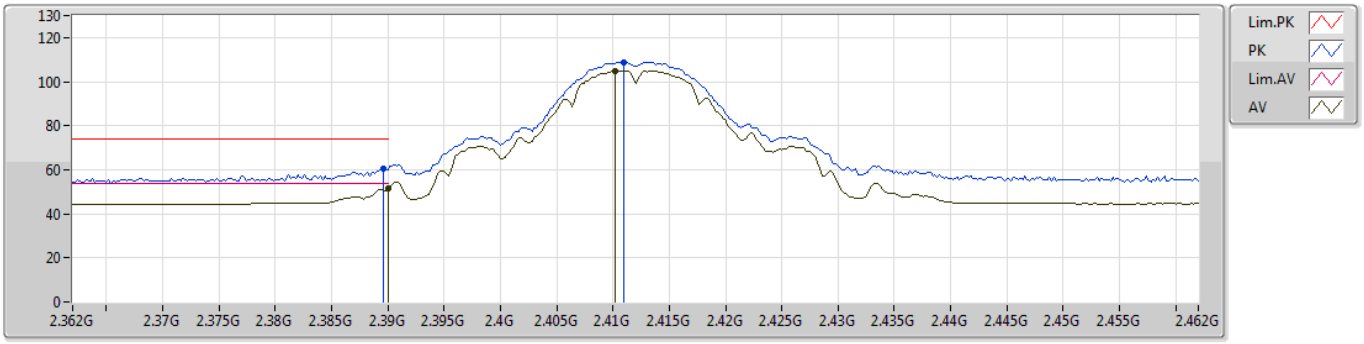
EUT Z_1TX ANT 2
Setting 77
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	57.19	74.00	-16.81	32.13	3	Vertical	135	1.01	-
AV	2.39G	45.68	54.00	-8.32	32.13	3	Vertical	135	1.01	-
PK	2.413G	99.86	Inf	-Inf	32.20	3	Vertical	135	1.01	-
AV	2.4138G	95.83	Inf	-Inf	32.20	3	Vertical	135	1.01	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

06/05/2019



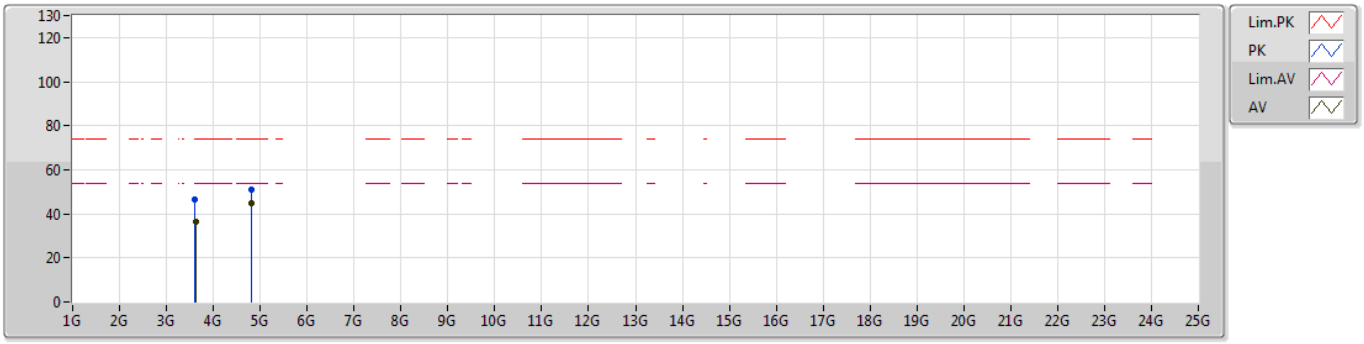
EUT Z_1TX ANT 2
Setting 77
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	60.64	74.00	-13.36	32.13	3	Horizontal	76	1.37	-
AV	2.39G	51.53	54.00	-2.47	32.13	3	Horizontal	76	1.37	-
PK	2.411G	108.91	Inf	-Inf	32.19	3	Horizontal	76	1.37	-
AV	2.4102G	105.04	Inf	-Inf	32.19	3	Horizontal	76	1.37	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

06/05/2019



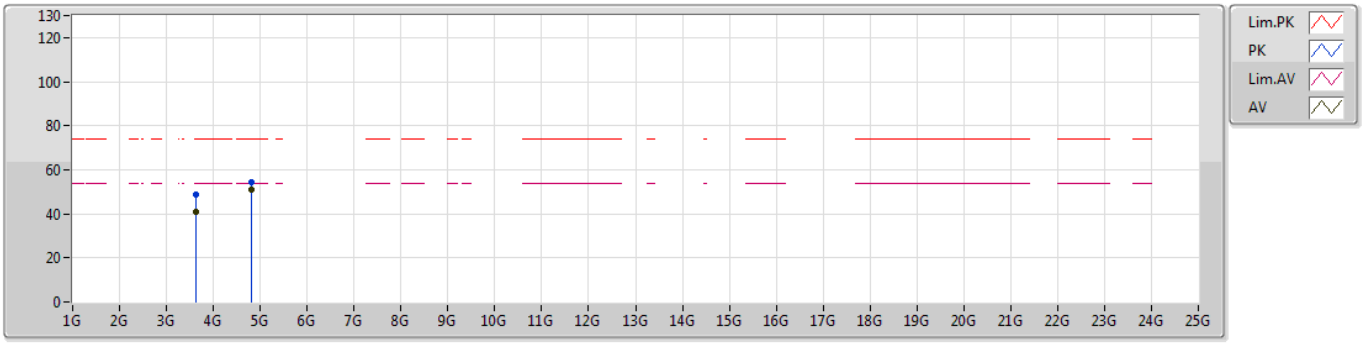
EUT Z_1TX ANT 2
Setting 77
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.61528G	46.45	74.00	-27.55	2.53	3	Vertical	264	2.78	-
AV	3.61628G	36.35	54.00	-17.65	2.53	3	Vertical	264	2.78	-
PK	4.82388G	51.06	74.00	-22.94	6.59	3	Vertical	237	2.99	-
AV	4.82404G	45.04	54.00	-8.96	6.59	3	Vertical	237	2.99	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

06/05/2019



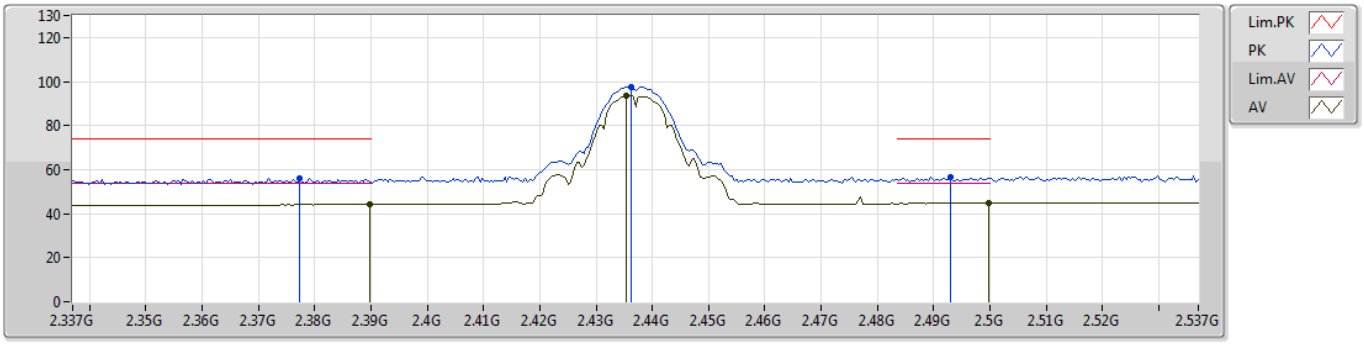
EUT Z_1TX ANT 2
Setting 77
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.619G	48.91	74.00	-25.09	2.54	3	Horizontal	315	1.09	-
AV	3.61632G	40.73	54.00	-13.27	2.53	3	Horizontal	315	1.09	-
PK	4.82398G	54.46	74.00	-19.54	6.59	3	Horizontal	309	1.01	-
AV	4.82406G	50.95	54.00	-3.05	6.59	3	Horizontal	309	1.01	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

06/05/2019



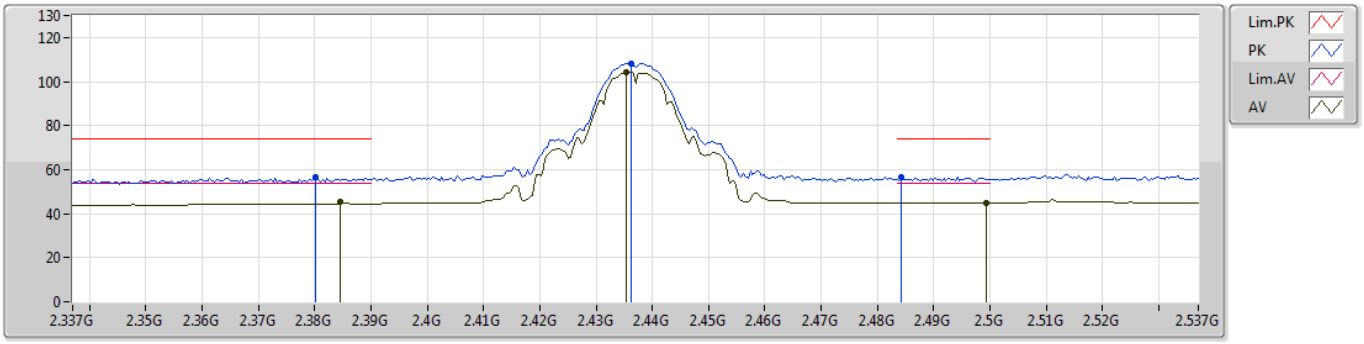
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3774G	55.85	74.00	-18.15	32.08	3	Vertical	183	2.74	-
AV	2.3898G	44.26	54.00	-9.74	32.13	3	Vertical	183	2.74	-
PK	2.4362G	97.56	Inf	-Inf	32.27	3	Vertical	183	2.74	-
AV	2.4354G	93.51	Inf	-Inf	32.27	3	Vertical	183	2.74	-
PK	2.493G	56.51	74.00	-17.49	32.43	3	Vertical	183	2.74	-
AV	2.4998G	44.81	54.00	-9.19	32.46	3	Vertical	183	2.74	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

06/05/2019



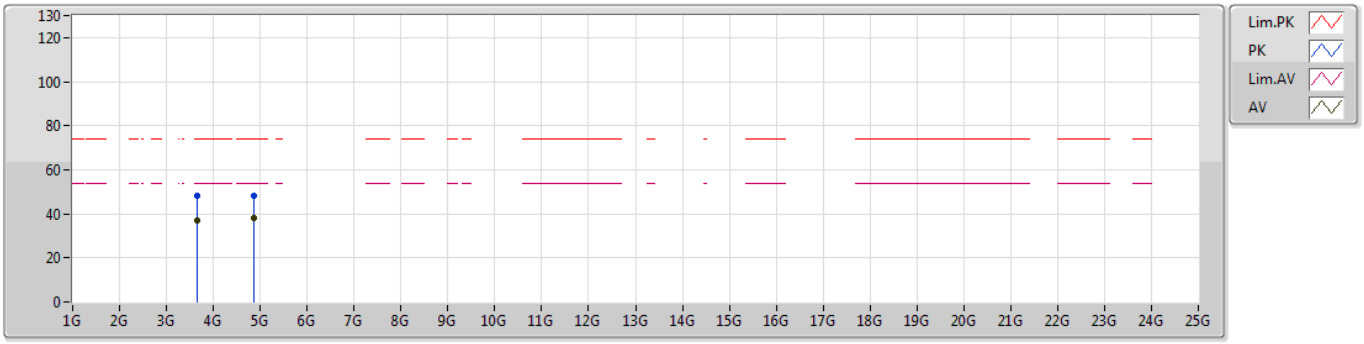
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3802G	56.51	74.00	-17.49	32.08	3	Horizontal	76	1.34	-
AV	2.3846G	45.23	54.00	-8.77	32.10	3	Horizontal	76	1.34	-
PK	2.4362G	108.26	Inf	-Inf	32.27	3	Horizontal	76	1.34	-
AV	2.4354G	104.30	Inf	-Inf	32.27	3	Horizontal	76	1.34	-
PK	2.4842G	56.53	74.00	-17.47	32.42	3	Horizontal	76	1.34	-
AV	2.4994G	45.02	54.00	-8.98	32.46	3	Horizontal	76	1.34	-

802.11b_Nss1,(1Mbps)_1TX

06/05/2019

2437MHz_TX



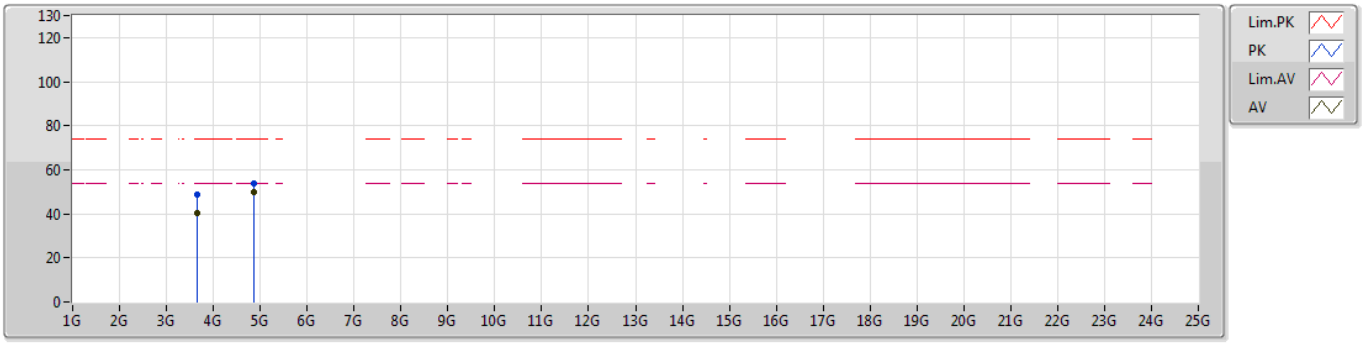
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.65368G	48.10	74.00	-25.90	2.66	3	Vertical	127	2.55	-
AV	3.65372G	36.94	54.00	-17.06	2.66	3	Vertical	127	2.55	-
PK	4.87382G	48.27	74.00	-25.73	6.71	3	Vertical	171	2.36	-
AV	4.87404G	38.13	54.00	-15.87	6.71	3	Vertical	171	2.36	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

06/05/2019



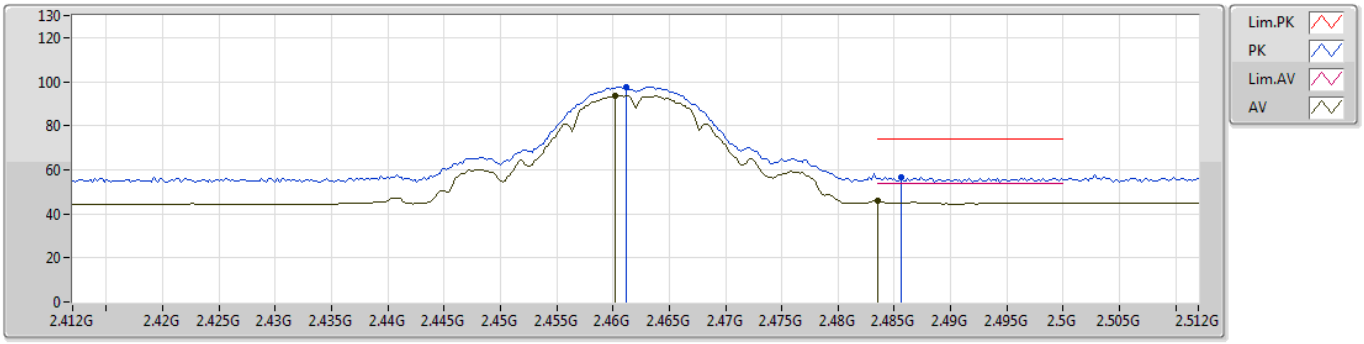
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.65644G	48.58	74.00	-25.42	2.67	3	Horizontal	286	1.03	-
AV	3.65376G	40.36	54.00	-13.64	2.66	3	Horizontal	286	1.03	-
PK	4.87396G	53.89	74.00	-20.11	6.71	3	Horizontal	314	1.01	-
AV	4.87398G	49.91	54.00	-4.09	6.71	3	Horizontal	314	1.01	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

06/05/2019



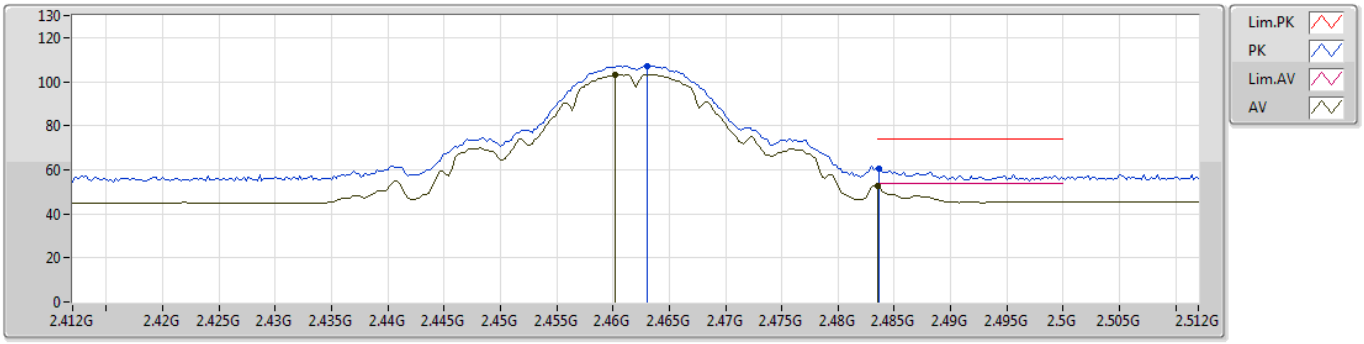
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4612G	97.59	Inf	-Inf	32.34	3	Vertical	167	2.70	-
AV	2.4602G	93.57	Inf	-Inf	32.34	3	Vertical	167	2.70	-
PK	2.4856G	56.62	74.00	-17.38	32.42	3	Vertical	167	2.70	-
AV	2.4835G	45.73	54.00	-8.27	32.41	3	Vertical	167	2.70	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

06/05/2019



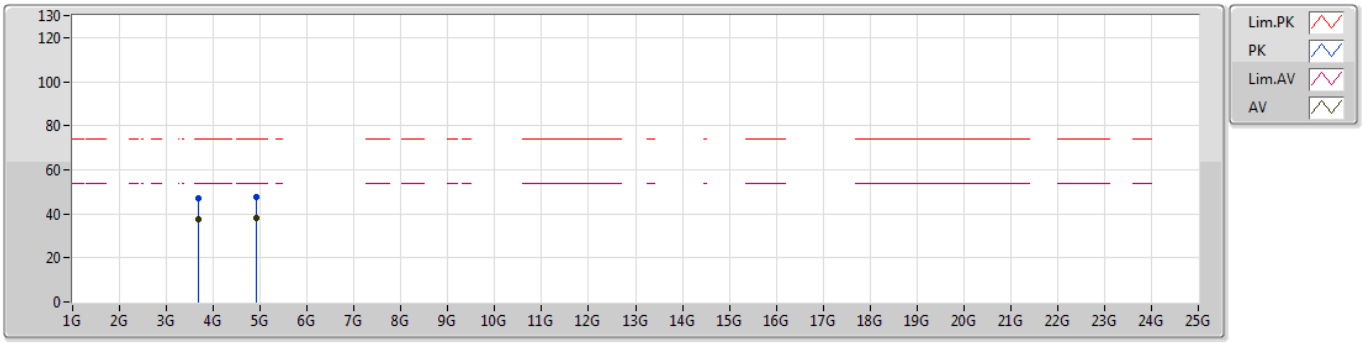
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	107.28	Inf	-Inf	32.35	3	Horizontal	76	1.28	-
AV	2.4602G	103.21	Inf	-Inf	32.34	3	Horizontal	76	1.28	-
PK	2.4836G	60.57	74.00	-13.43	32.41	3	Horizontal	76	1.28	-
AV	2.4835G	52.84	54.00	-1.16	32.41	3	Horizontal	76	1.28	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

06/05/2019



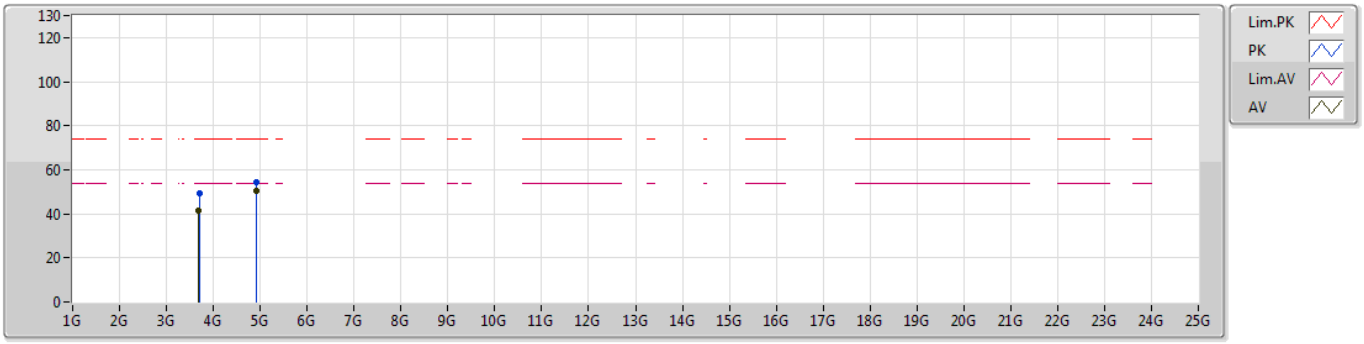
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.69156G	47.26	74.00	-26.74	2.77	3	Vertical	82	1.02	-
AV	3.69128G	37.52	54.00	-16.48	2.77	3	Vertical	82	1.02	-
PK	4.92422G	47.58	74.00	-26.42	6.83	3	Vertical	183	2.43	-
AV	4.92406G	37.92	54.00	-16.08	6.83	3	Vertical	183	2.43	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

06/05/2019



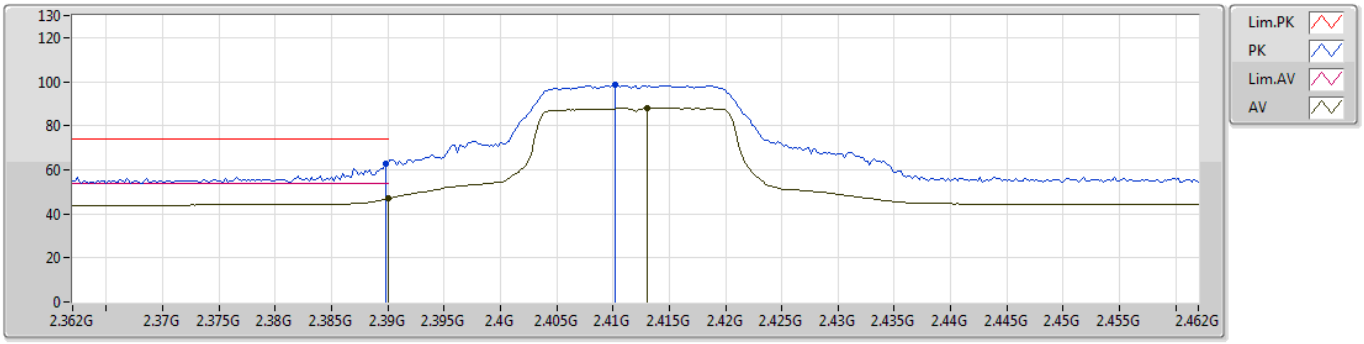
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6946G	49.41	74.00	-24.59	2.80	3	Horizontal	317	1.02	-
AV	3.69128G	41.33	54.00	-12.67	2.77	3	Horizontal	317	1.02	-
PK	4.92406G	54.08	74.00	-19.92	6.83	3	Horizontal	282	1.01	-
AV	4.92396G	50.24	54.00	-3.76	6.83	3	Horizontal	282	1.01	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

06/05/2019



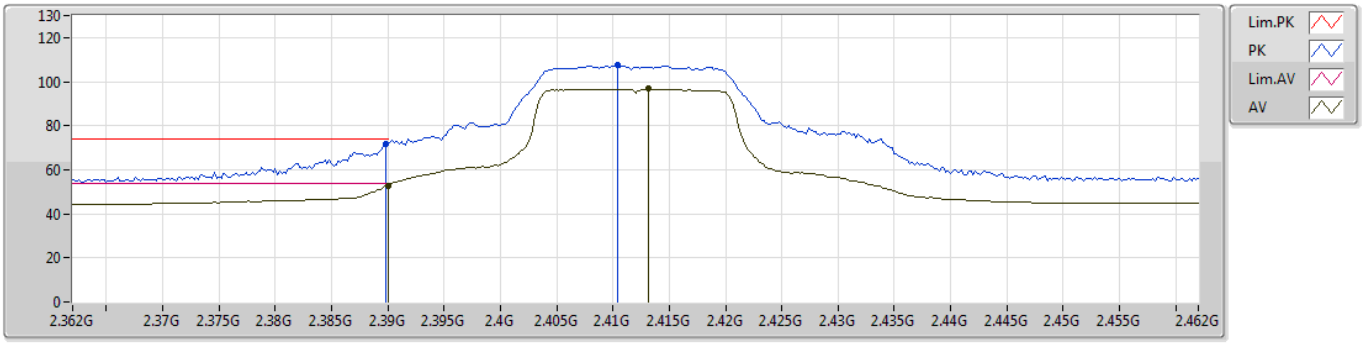
EUT Z_1TX ANT 2
Setting 62
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	62.83	74.00	-11.17	32.13	3	Vertical	134	1.00	-
AV	2.39G	46.85	54.00	-7.15	32.13	3	Vertical	134	1.00	-
PK	2.4102G	98.61	Inf	-Inf	32.19	3	Vertical	134	1.00	-
AV	2.413G	87.96	Inf	-Inf	32.20	3	Vertical	134	1.00	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

06/05/2019



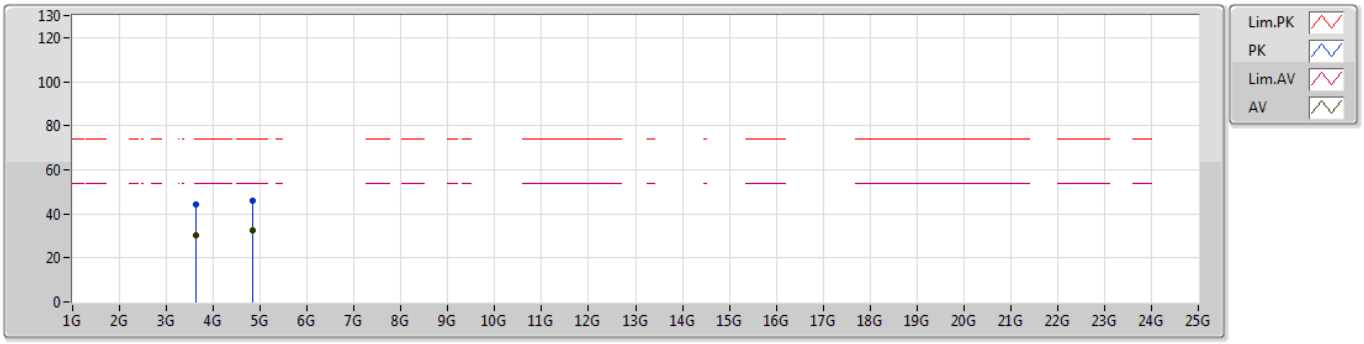
EUT Z_1TX ANT 2
Setting 62
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	71.98	74.00	-2.02	32.13	3	Horizontal	74	1.18	-
AV	2.39G	52.83	54.00	-1.17	32.13	3	Horizontal	74	1.18	-
PK	2.4104G	107.50	Inf	-Inf	32.19	3	Horizontal	74	1.18	-
AV	2.4132G	96.67	Inf	-Inf	32.20	3	Horizontal	74	1.18	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

06/05/2019



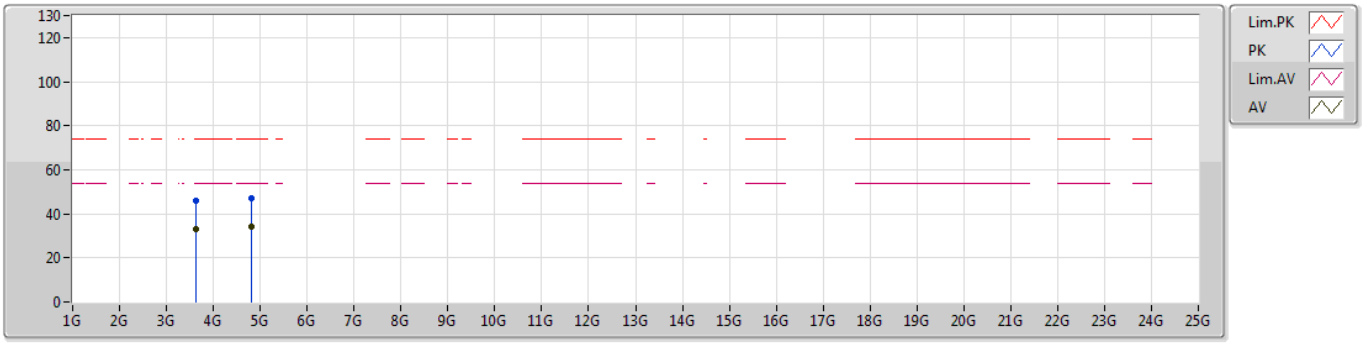
EUT Z_1TX ANT 2
Setting 62
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.62214G	44.29	74.00	-29.71	2.56	3	Vertical	99	1.46	-
AV	3.618G	30.15	54.00	-23.85	2.53	3	Vertical	99	1.46	-
PK	4.82548G	46.17	74.00	-27.83	6.59	3	Vertical	81	1.64	-
AV	4.82846G	32.36	54.00	-21.64	6.59	3	Vertical	81	1.64	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

06/05/2019



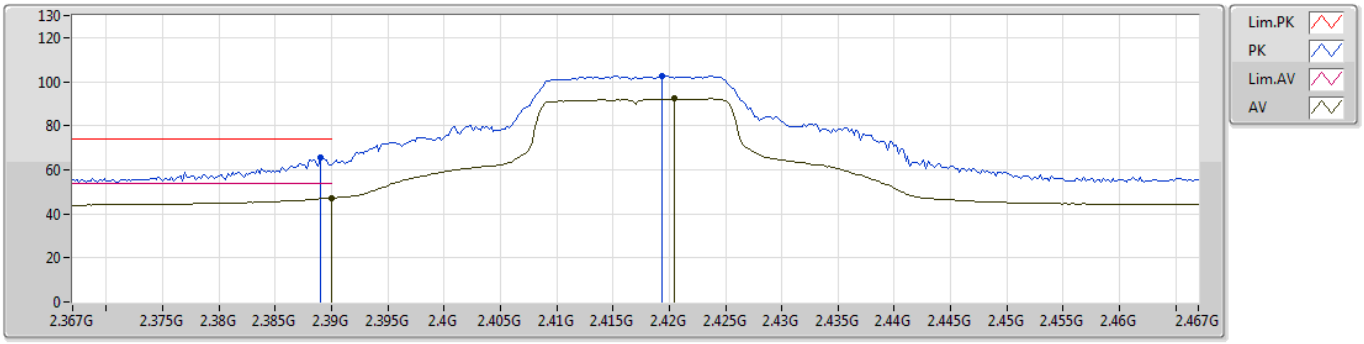
EUT Z_1TX ANT 2
Setting 62
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.61832G	46.19	74.00	-27.81	2.53	3	Horizontal	39	1.56	-
AV	3.618G	33.15	54.00	-20.85	2.53	3	Horizontal	39	1.56	-
PK	4.8244G	47.29	74.00	-26.71	6.59	3	Horizontal	320	1.48	-
AV	4.824G	34.08	54.00	-19.92	6.59	3	Horizontal	320	1.48	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

06/05/2019



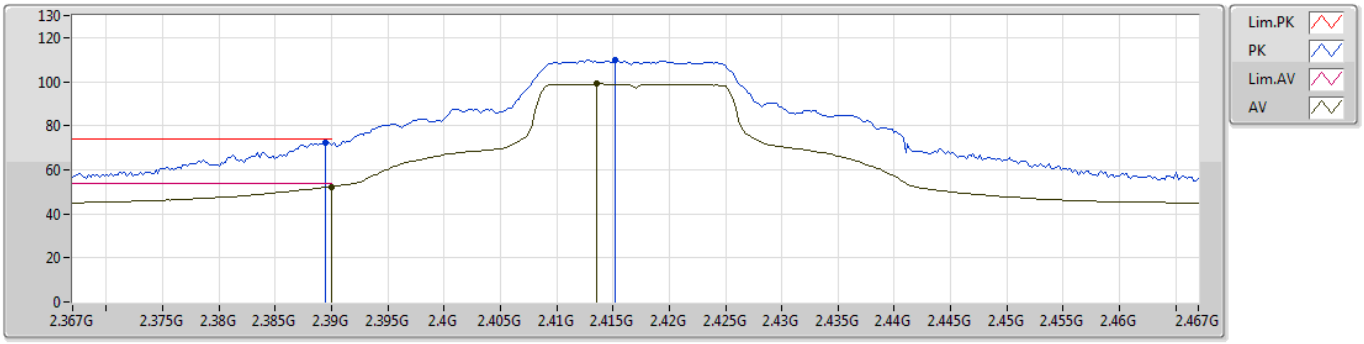
EUT Z_1TX ANT 2
Setting 72
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	65.40	74.00	-8.60	32.12	3	Vertical	163	2.49	-
AV	2.39G	47.16	54.00	-6.84	32.13	3	Vertical	163	2.49	-
PK	2.4194G	102.70	Inf	-Inf	32.22	3	Vertical	163	2.49	-
AV	2.4204G	92.21	Inf	-Inf	32.22	3	Vertical	163	2.49	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

06/05/2019



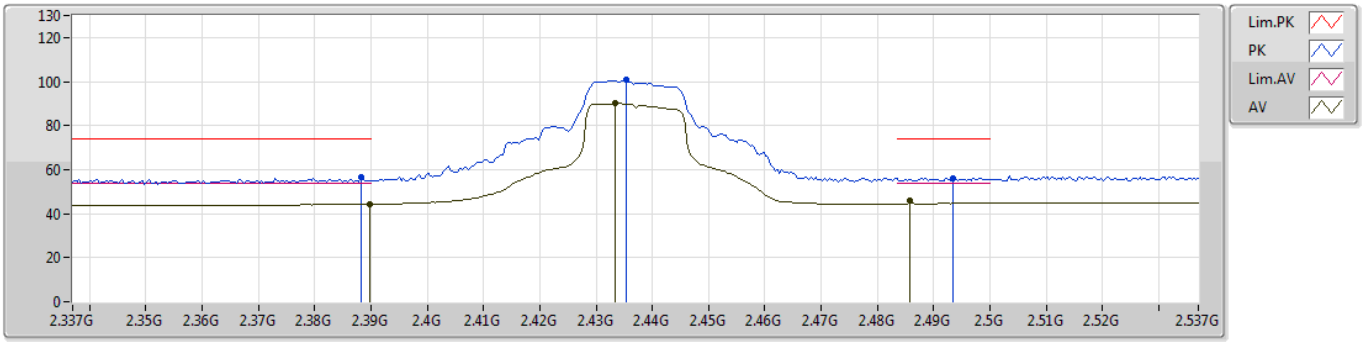
EUT Z_1TX ANT 2
Setting 72
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	72.29	74.00	-1.71	32.13	3	Horizontal	71	1.21	-
AV	2.39G	52.38	54.00	-1.62	32.13	3	Horizontal	71	1.21	-
PK	2.4152G	109.75	Inf	-Inf	32.20	3	Horizontal	71	1.21	-
AV	2.4136G	98.93	Inf	-Inf	32.20	3	Horizontal	71	1.21	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

06/05/2019



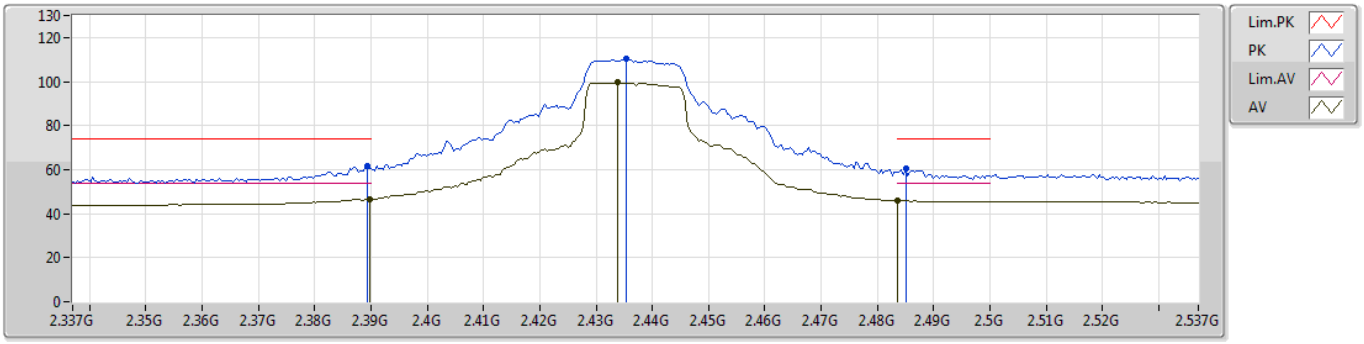
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	56.38	74.00	-17.62	32.11	3	Vertical	297	2.99	-
AV	2.3898G	44.25	54.00	-9.75	32.13	3	Vertical	297	2.99	-
PK	2.4354G	100.69	Inf	-Inf	32.27	3	Vertical	297	2.99	-
AV	2.4334G	89.96	Inf	-Inf	32.26	3	Vertical	297	2.99	-
PK	2.4934G	56.25	74.00	-17.75	32.44	3	Vertical	297	2.99	-
AV	2.4858G	46.02	54.00	-7.98	32.42	3	Vertical	297	2.99	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

06/05/2019



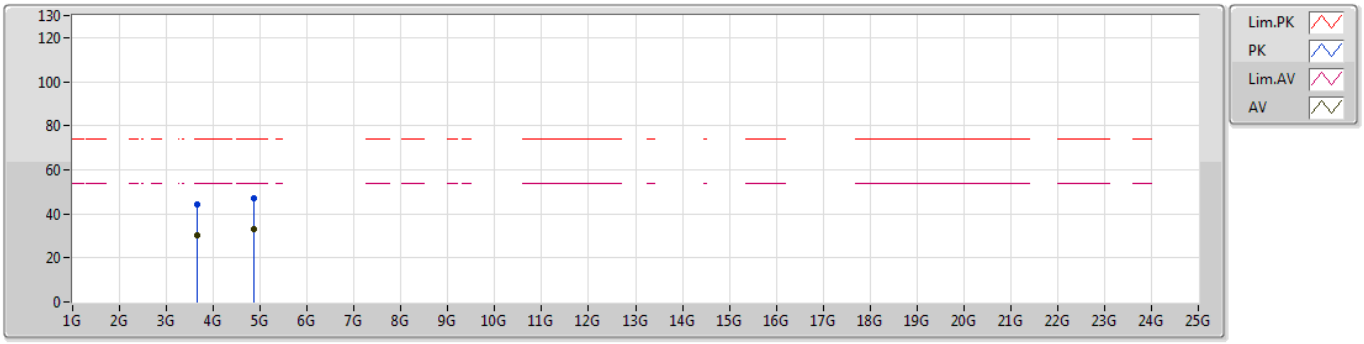
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	61.51	74.00	-12.49	32.13	3	Horizontal	75	1.35	-
AV	2.3898G	46.67	54.00	-7.33	32.13	3	Horizontal	75	1.35	-
PK	2.4354G	110.53	Inf	-Inf	32.27	3	Horizontal	75	1.35	-
AV	2.4338G	99.56	Inf	-Inf	32.26	3	Horizontal	75	1.35	-
PK	2.485G	60.25	74.00	-13.75	32.42	3	Horizontal	75	1.35	-
AV	2.4835G	45.89	54.00	-8.11	32.41	3	Horizontal	75	1.35	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

06/05/2019



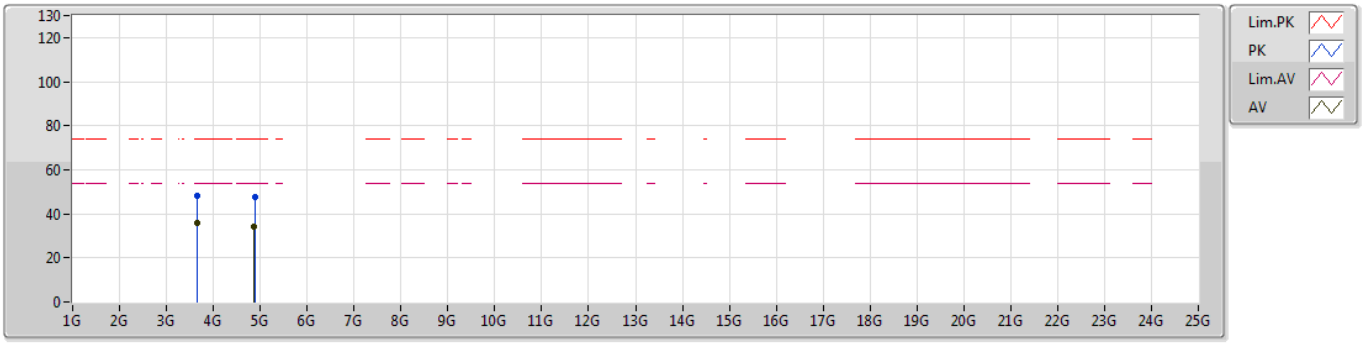
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6669G	43.99	74.00	-30.01	2.71	3	Vertical	34	1.48	-
AV	3.6465G	30.18	54.00	-23.82	2.63	3	Vertical	34	1.48	-
PK	4.86752G	47.08	74.00	-26.92	6.69	3	Vertical	168	1.54	-
AV	4.87564G	32.93	54.00	-21.07	6.71	3	Vertical	168	1.54	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

06/05/2019



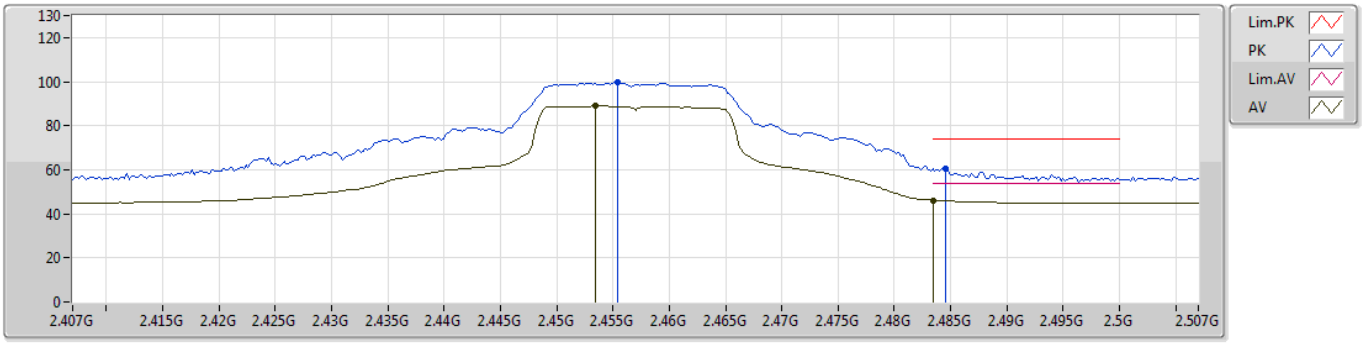
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.65G	47.97	74.00	-26.03	2.63	3	Horizontal	307	1.21	-
AV	3.6556G	35.75	54.00	-18.25	2.67	3	Horizontal	307	1.21	-
PK	4.8797G	47.66	74.00	-26.34	6.72	3	Horizontal	37	1.55	-
AV	4.8758G	34.15	54.00	-19.85	6.71	3	Horizontal	37	1.55	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

06/05/2019



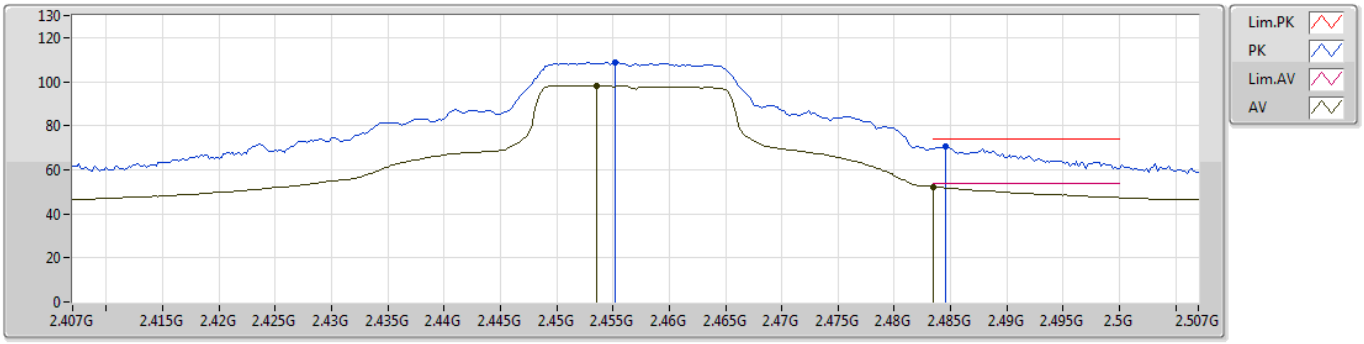
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4554G	99.70	Inf	-Inf	32.32	3	Vertical	162	2.67	-
AV	2.4534G	88.90	Inf	-Inf	32.32	3	Vertical	162	2.67	-
PK	2.4846G	60.75	74.00	-13.25	32.42	3	Vertical	162	2.67	-
AV	2.4835G	46.22	54.00	-7.78	32.41	3	Vertical	162	2.67	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

06/05/2019



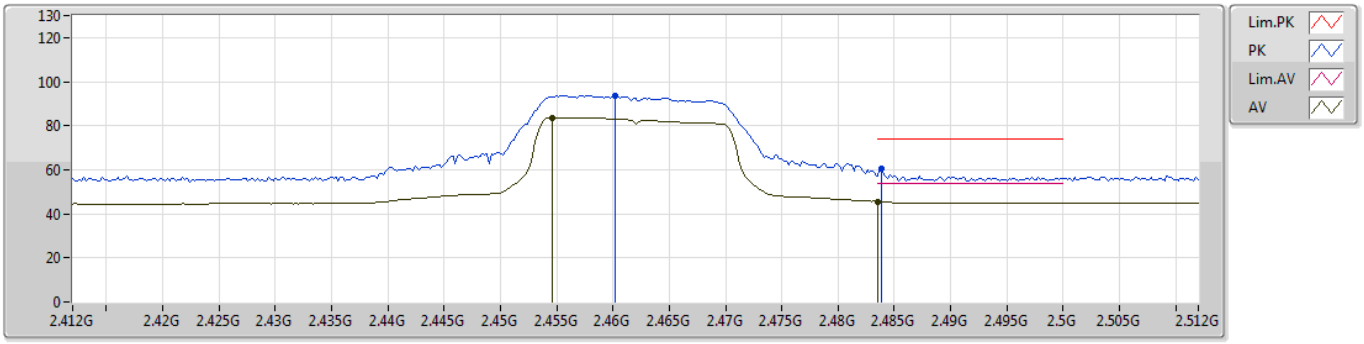
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4552G	108.89	Inf	-Inf	32.32	3	Horizontal	74	1.28	-
AV	2.4536G	98.12	Inf	-Inf	32.32	3	Horizontal	74	1.28	-
PK	2.4846G	70.81	74.00	-3.19	32.42	3	Horizontal	74	1.28	-
AV	2.4835G	52.25	54.00	-1.75	32.41	3	Horizontal	74	1.28	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

06/05/2019



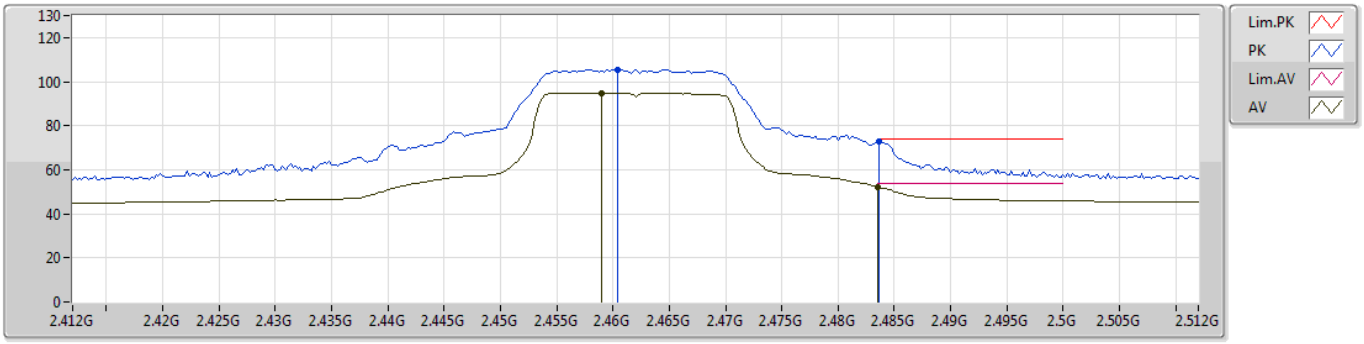
EUT Z_1TX ANT 2
Setting 61
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4602G	93.75	Inf	-Inf	32.34	3	Vertical	180	2.68	-
AV	2.4546G	83.67	Inf	-Inf	32.32	3	Vertical	180	2.68	-
PK	2.4838G	60.47	74.00	-13.53	32.41	3	Vertical	180	2.68	-
AV	2.4835G	45.57	54.00	-8.43	32.41	3	Vertical	180	2.68	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

06/05/2019



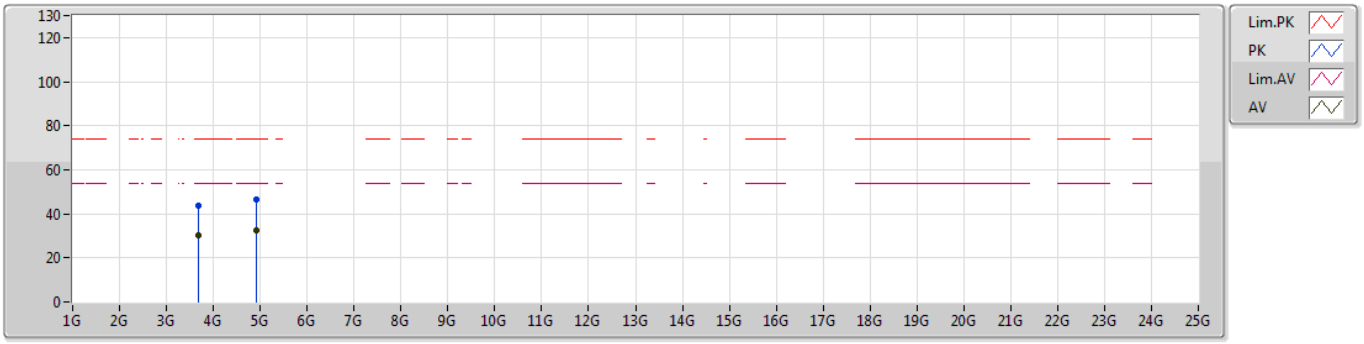
EUT Z_1TX ANT 2
Setting 61
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4604G	105.62	Inf	-Inf	32.34	3	Horizontal	76	1.30	-
AV	2.459G	94.90	Inf	-Inf	32.34	3	Horizontal	76	1.30	-
PK	2.4836G	72.57	74.00	-1.43	32.41	3	Horizontal	76	1.30	-
AV	2.4835G	52.32	54.00	-1.68	32.41	3	Horizontal	76	1.30	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

06/05/2019



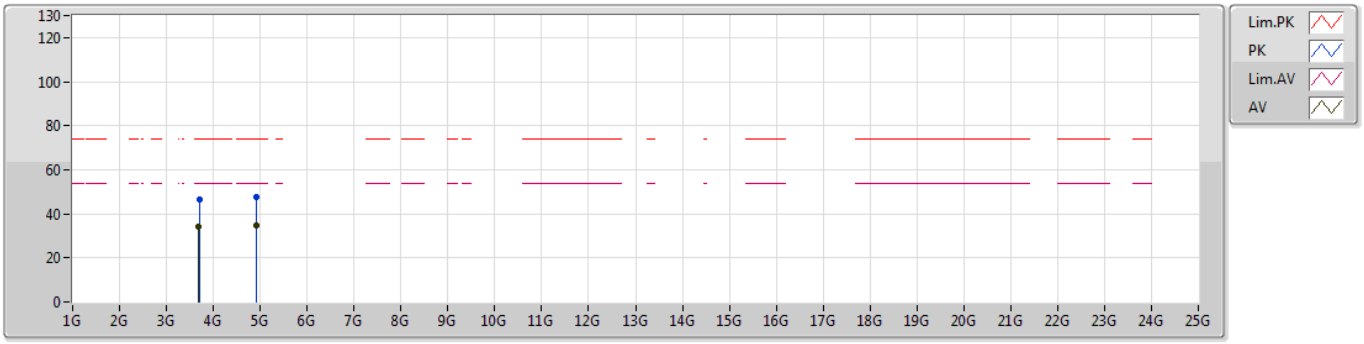
EUT Z_1TX ANT 2
Setting 61
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6916G	43.52	74.00	-30.48	2.77	3	Vertical	61	1.46	-
AV	3.6912G	30.13	54.00	-23.87	2.77	3	Vertical	61	1.46	-
PK	4.92916G	46.77	74.00	-27.23	6.84	3	Vertical	2	1.37	-
AV	4.92508G	32.71	54.00	-21.29	6.84	3	Vertical	2	1.37	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

06/05/2019



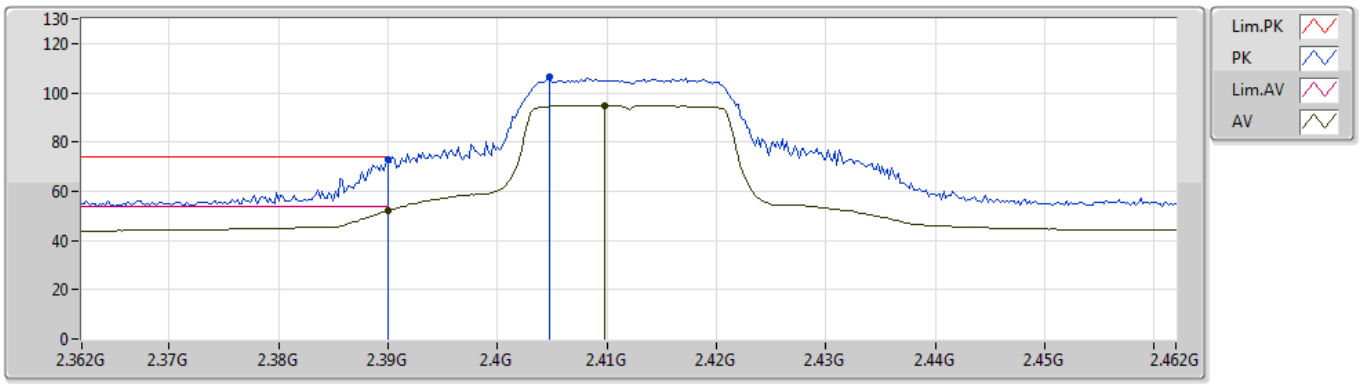
EUT Z_1TX ANT 2
Setting 61
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6951G	46.37	74.00	-27.63	2.80	3	Horizontal	81	1.42	-
AV	3.693G	34.34	54.00	-19.66	2.80	3	Horizontal	81	1.42	-
PK	4.9236G	47.79	74.00	-26.21	6.83	3	Horizontal	292	1.17	-
AV	4.9238G	34.53	54.00	-19.47	6.83	3	Horizontal	292	1.17	-

802.11n HT20_Nss1,(MCS0)_1TX

29/05/2019

2412MHz_TX



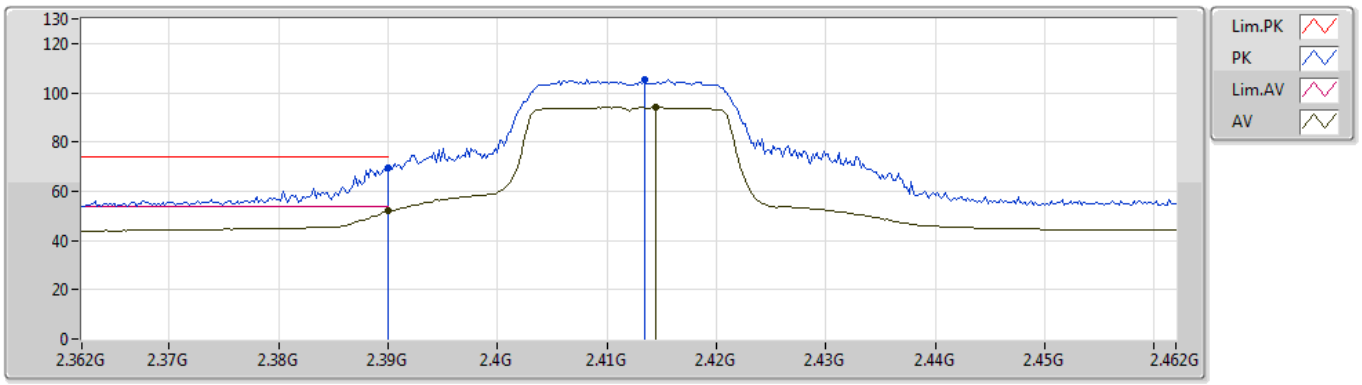
EUT Z_1TX ANT 2
Setting 59
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	72.71	74.00	-1.29	32.13	3	Vertical	60	2.74	-
AV	2.39G	52.19	54.00	-1.81	32.13	3	Vertical	60	2.74	-
PK	2.4048G	106.74	Inf	-Inf	32.17	3	Vertical	60	2.74	-
AV	2.4098G	94.80	Inf	-Inf	32.19	3	Vertical	60	2.74	-

802.11n HT20_Nss1,(MCS0)_1TX

29/05/2019

2412MHz_TX



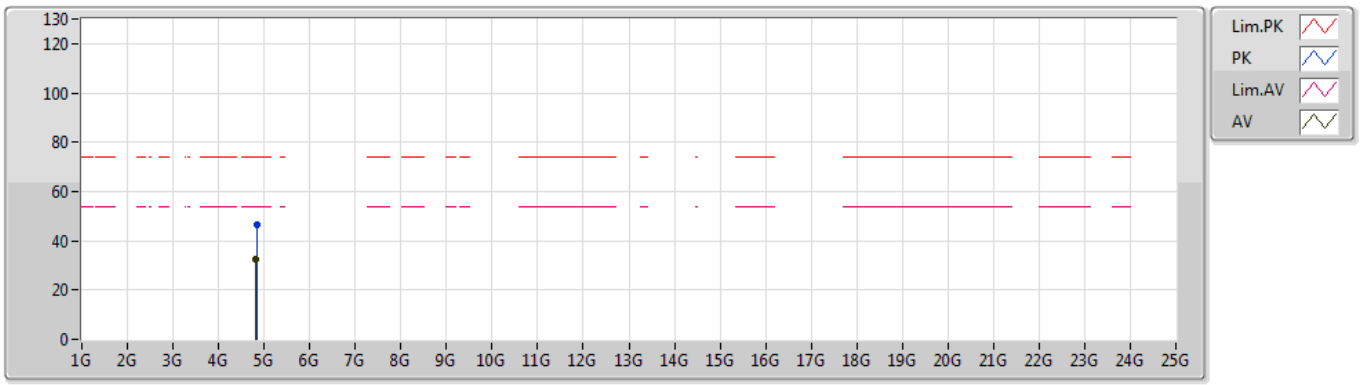
EUT Z_1TX ANT 2
Setting 59
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	69.67	74.00	-4.33	32.13	3	Horizontal	118	1.01	-
AV	2.39G	52.30	54.00	-1.70	32.13	3	Horizontal	118	1.01	-
PK	2.4134G	105.19	Inf	-Inf	32.20	3	Horizontal	118	1.01	-
AV	2.4144G	94.01	Inf	-Inf	32.20	3	Horizontal	118	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

31/05/2019



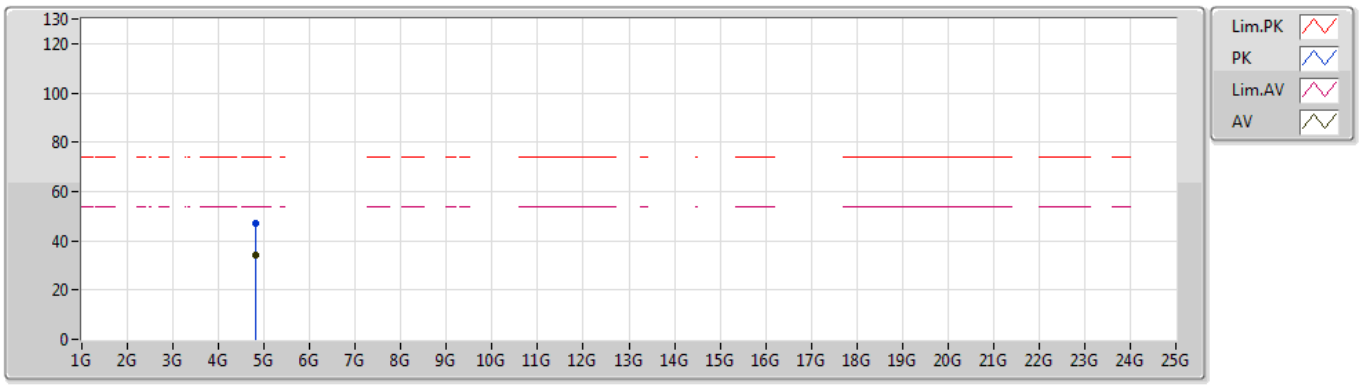
EUT Z_1TX ANT 2
Setting 59
03-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82994G	46.56	74.00	-27.44	5.12	3	Vertical	176	2.13	-
AV	4.8261G	32.28	54.00	-21.72	5.11	3	Vertical	176	2.13	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

31/05/2019



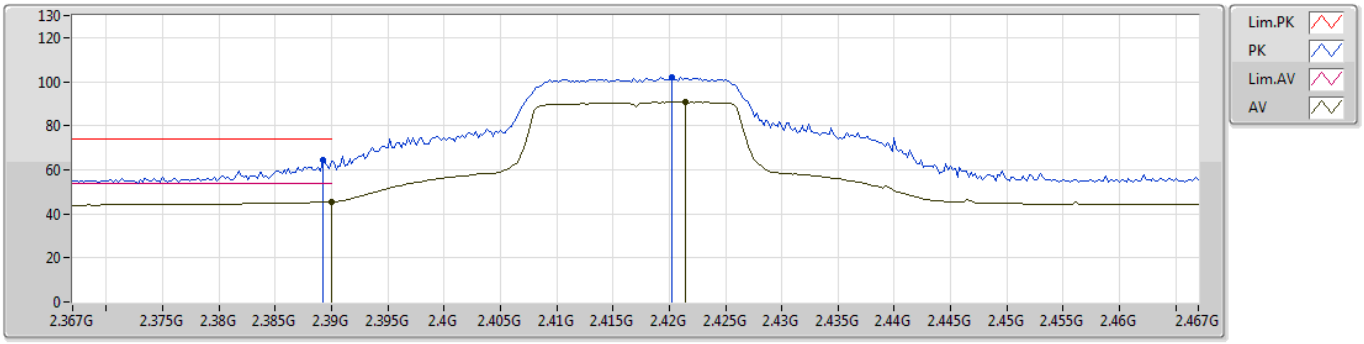
EUT Z_1TX ANT 2
Setting 59
03-B-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82628G	47.31	74.00	-26.69	5.11	3	Horizontal	341	1.00	-
AV	4.82412G	34.00	54.00	-20.00	5.11	3	Horizontal	341	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

07/05/2019



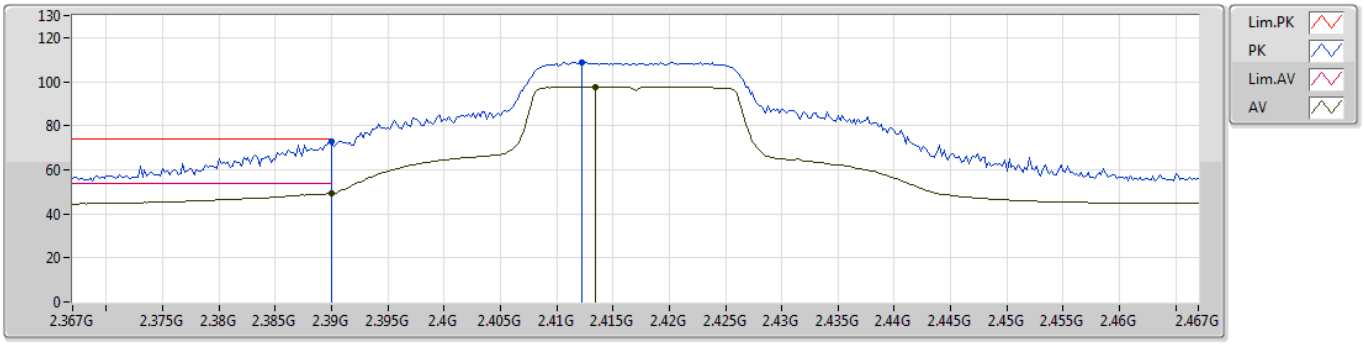
EUT Z_1TX ANT 2
Setting 67
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	64.51	74.00	-9.49	32.13	3	Vertical	162	2.49	-
AV	2.39G	45.45	54.00	-8.55	32.13	3	Vertical	162	2.49	-
PK	2.4202G	102.06	Inf	-Inf	32.22	3	Vertical	162	2.49	-
AV	2.4214G	90.63	Inf	-Inf	32.23	3	Vertical	162	2.49	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

07/05/2019



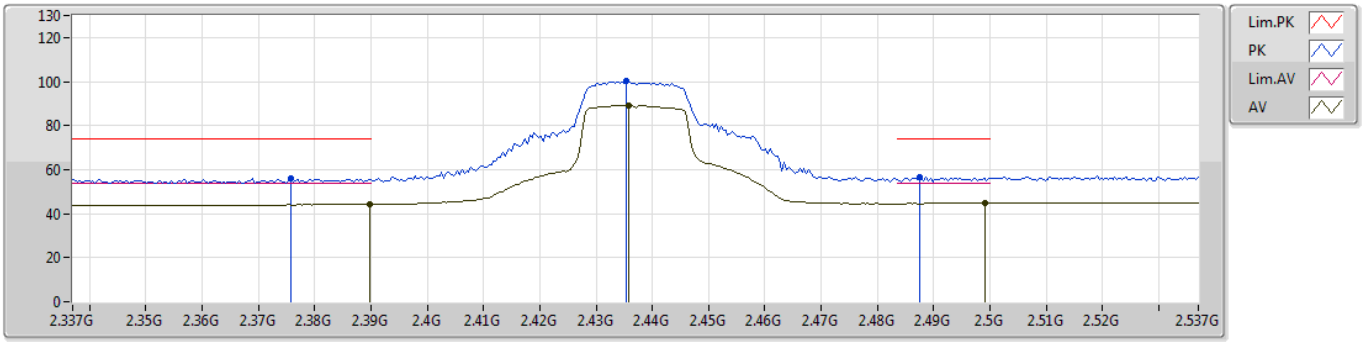
EUT Z_1TX ANT 2
Setting 67
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	72.94	74.00	-1.06	32.13	3	Horizontal	74	1.38	-
AV	2.39G	49.26	54.00	-4.74	32.13	3	Horizontal	74	1.38	-
PK	2.4122G	108.82	Inf	-Inf	32.20	3	Horizontal	74	1.38	-
AV	2.4134G	97.72	Inf	-Inf	32.20	3	Horizontal	74	1.38	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

07/05/2019



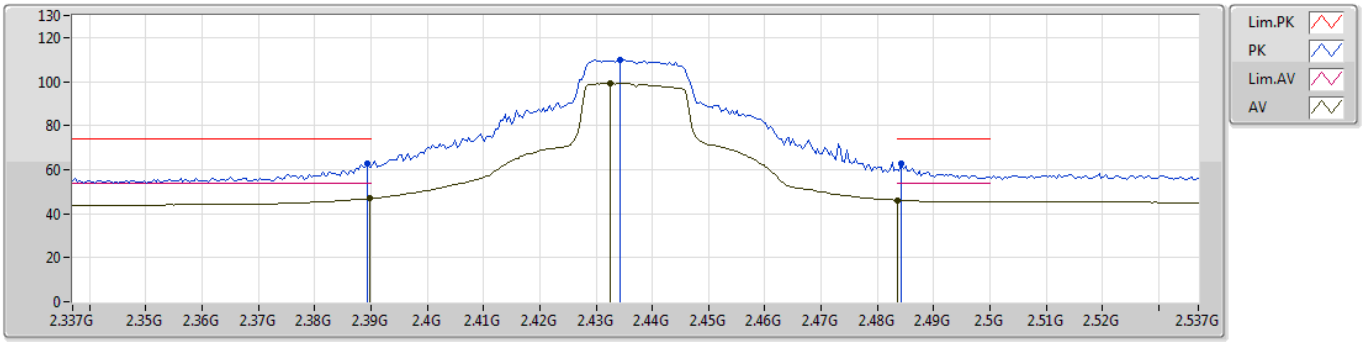
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3758G	55.81	74.00	-18.19	32.07	3	Vertical	295	2.92	-
AV	2.3898G	44.21	54.00	-9.79	32.13	3	Vertical	295	2.92	-
PK	2.4354G	100.35	Inf	-Inf	32.27	3	Vertical	295	2.92	-
AV	2.4358G	89.27	Inf	-Inf	32.27	3	Vertical	295	2.92	-
PK	2.4874G	56.72	74.00	-17.28	32.42	3	Vertical	295	2.92	-
AV	2.499G	44.85	54.00	-9.15	32.46	3	Vertical	295	2.92	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

07/05/2019



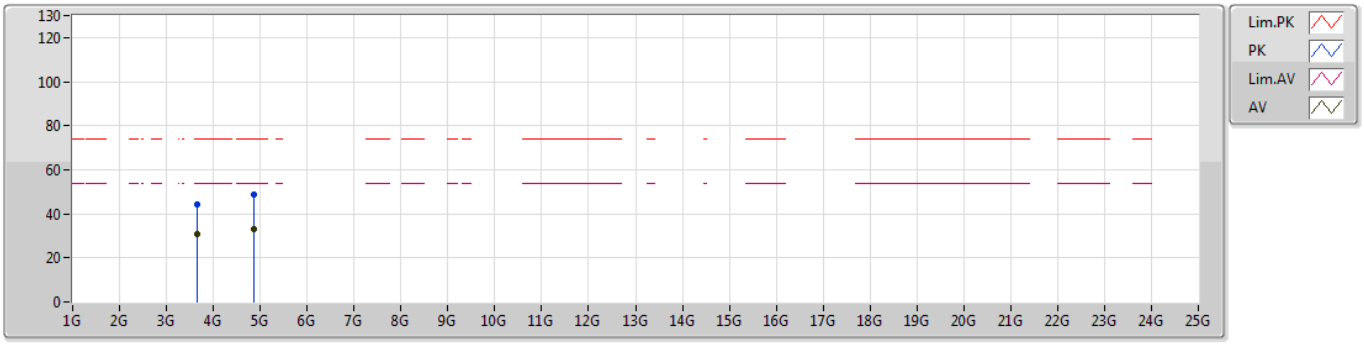
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	62.51	74.00	-11.49	32.13	3	Horizontal	75	1.35	-
AV	2.3898G	46.85	54.00	-7.15	32.13	3	Horizontal	75	1.35	-
PK	2.4342G	109.98	Inf	-Inf	32.27	3	Horizontal	75	1.35	-
AV	2.4326G	98.98	Inf	-Inf	32.26	3	Horizontal	75	1.35	-
PK	2.4842G	62.83	74.00	-11.17	32.42	3	Horizontal	75	1.35	-
AV	2.4835G	46.11	54.00	-7.89	32.41	3	Horizontal	75	1.35	-

802.11n HT20_Nss1,(MCS0)_1TX

07/05/2019

2437MHz_TX



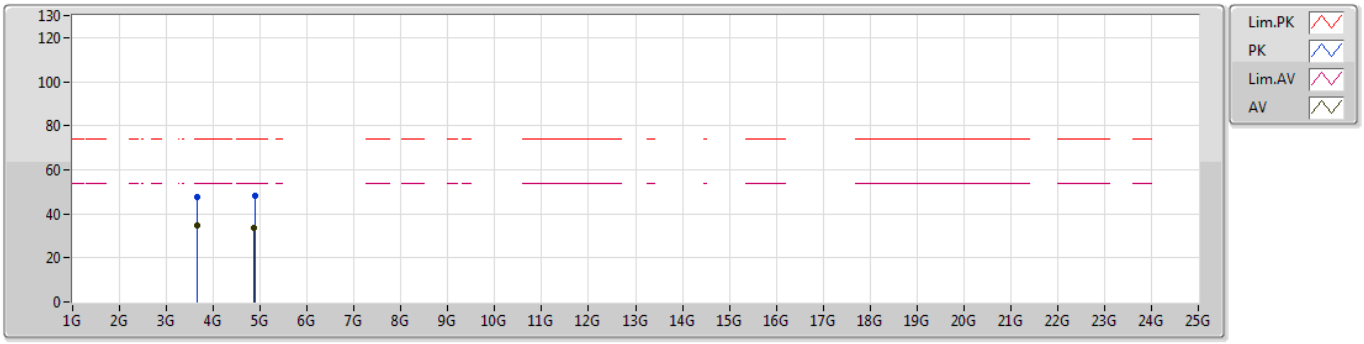
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6462G	44.28	74.00	-29.72	2.63	3	Vertical	355	1.94	-
AV	3.6555G	30.83	54.00	-23.17	2.67	3	Vertical	355	1.94	-
PK	4.87108G	48.57	74.00	-25.43	6.71	3	Vertical	287	1.48	-
AV	4.87476G	32.94	54.00	-21.06	6.71	3	Vertical	287	1.48	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

07/05/2019



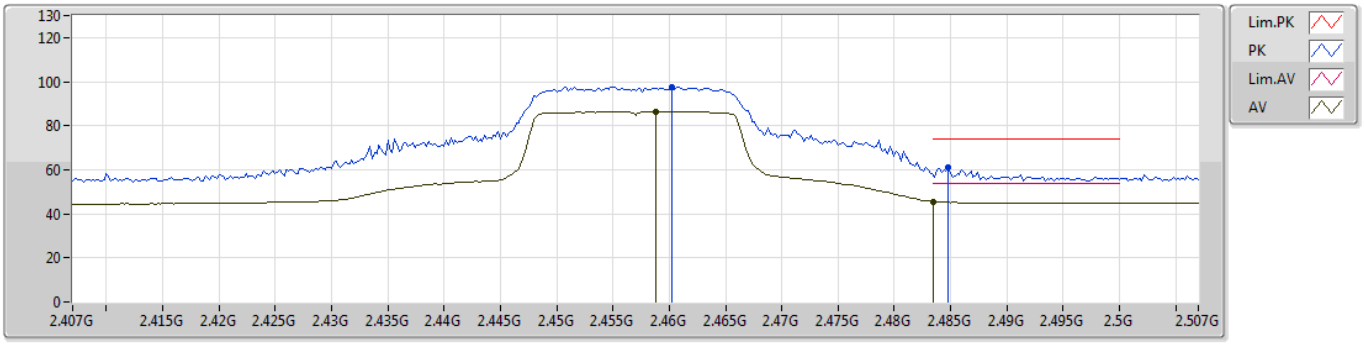
EUT Z_1TX ANT 2
Setting 81
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.654G	47.57	74.00	-26.43	2.66	3	Horizontal	272	1.00	-
AV	3.6555G	34.63	54.00	-19.37	2.67	3	Horizontal	272	1.00	-
PK	4.88004G	48.10	74.00	-25.90	6.72	3	Horizontal	198	1.53	-
AV	4.8744G	33.70	54.00	-20.30	6.71	3	Horizontal	198	1.53	-

802.11n HT20_Nss1,(MCS0)_1TX

07/05/2019

2457MHz_TX



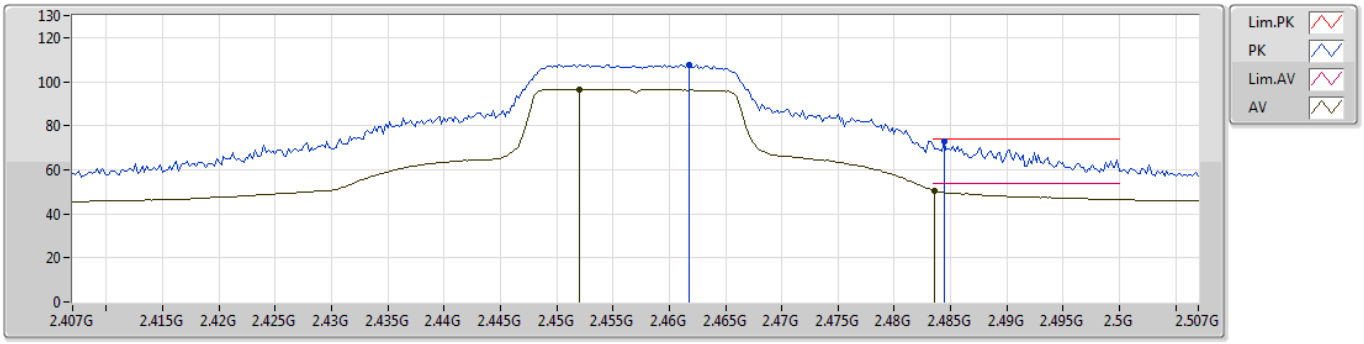
EUT Z_1TX ANT 2
Setting 70
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4602G	97.52	Inf	-Inf	32.34	3	Vertical	167	2.69	-
AV	2.4588G	86.52	Inf	-Inf	32.34	3	Vertical	167	2.69	-
PK	2.4848G	61.10	74.00	-12.90	32.42	3	Vertical	167	2.69	-
AV	2.4835G	45.41	54.00	-8.59	32.41	3	Vertical	167	2.69	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

07/05/2019



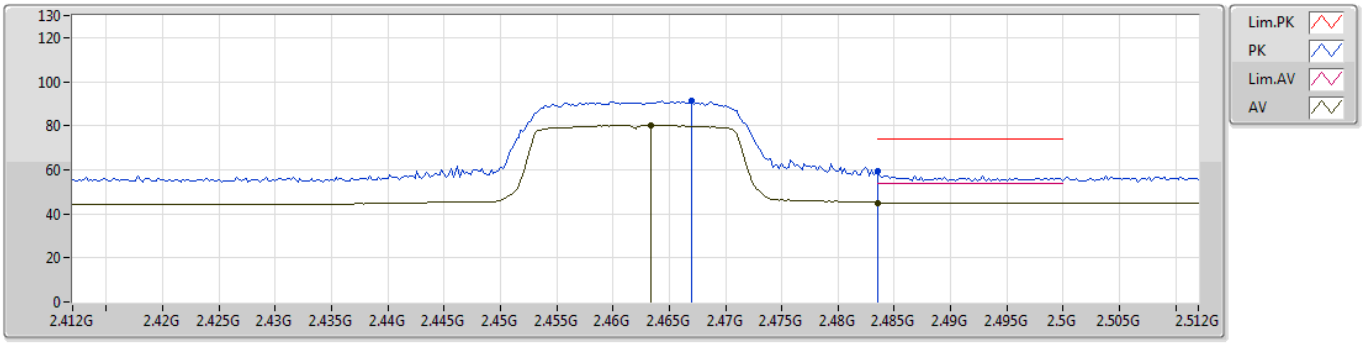
EUT Z_1TX ANT 2
Setting 70
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4618G	107.65	Inf	-Inf	32.35	3	Horizontal	74	1.28	-
AV	2.452G	96.59	Inf	-Inf	32.31	3	Horizontal	74	1.28	-
PK	2.4844G	72.99	74.00	-1.01	32.42	3	Horizontal	74	1.28	-
AV	2.4836G	50.43	54.00	-3.57	32.41	3	Horizontal	74	1.28	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

07/05/2019



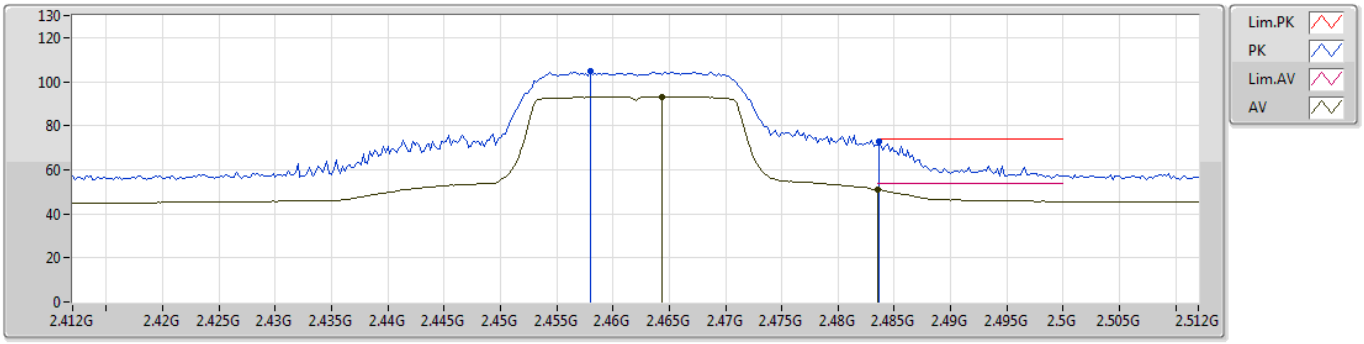
EUT Z_1TX ANT 2
Setting 56
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.467G	91.26	Inf	-Inf	32.36	3	Vertical	184	1.50	-
AV	2.4634G	80.23	Inf	-Inf	32.35	3	Vertical	184	1.50	-
PK	2.4835G	59.57	74.00	-14.43	32.41	3	Vertical	184	1.50	-
AV	2.4835G	45.10	54.00	-8.90	32.41	3	Vertical	184	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

07/05/2019



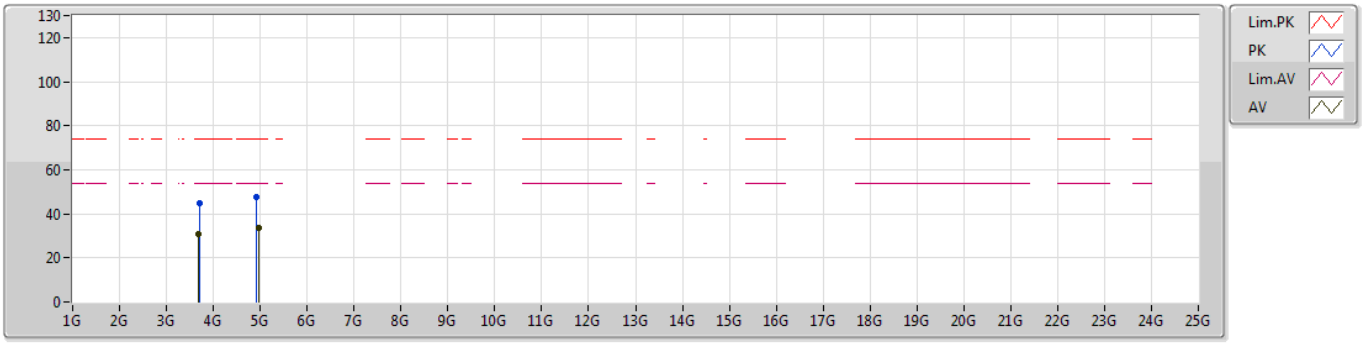
EUT Z_1TX ANT 2
Setting 56
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.458G	104.52	Inf	-Inf	32.34	3	Horizontal	76	1.25	-
AV	2.4644G	93.21	Inf	-Inf	32.35	3	Horizontal	76	1.25	-
PK	2.4836G	72.88	74.00	-1.12	32.41	3	Horizontal	76	1.25	-
AV	2.4835G	51.03	54.00	-2.97	32.41	3	Horizontal	76	1.25	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

07/05/2019



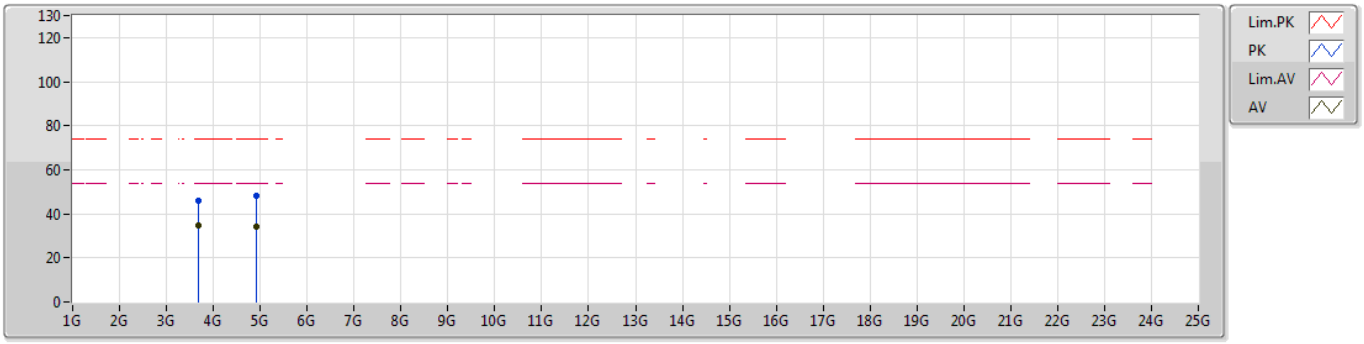
EUT Z_1TX ANT 2
Setting 56
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6969G	44.56	74.00	-29.44	2.80	3	Vertical	132	1.26	-
AV	3.693G	31.05	54.00	-22.95	2.80	3	Vertical	132	1.26	-
PK	4.9272G	47.44	74.00	-26.56	6.84	3	Vertical	194	1.52	-
AV	4.9706G	33.64	54.00	-20.36	6.96	3	Vertical	194	1.52	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

07/05/2019



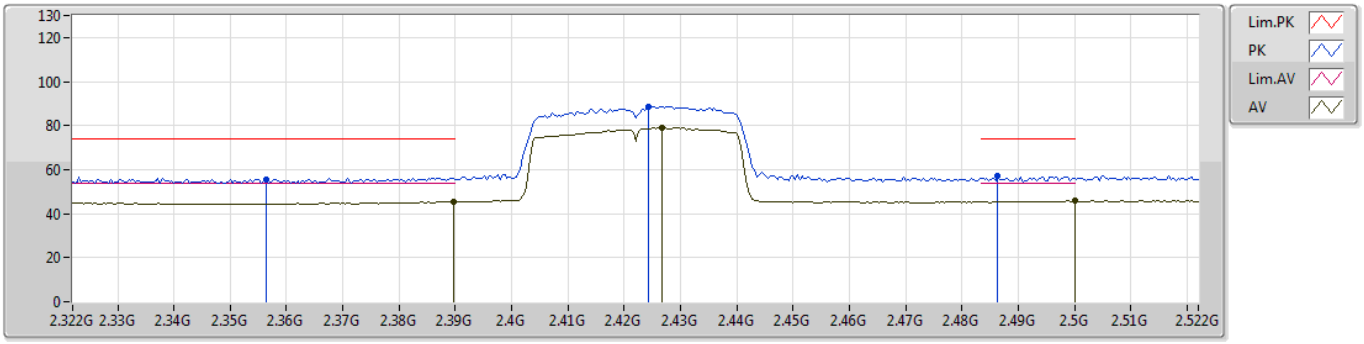
EUT Z_1TX ANT 2
Setting 56
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6929G	45.98	74.00	-28.02	2.80	3	Horizontal	80	1.41	-
AV	3.693G	34.52	54.00	-19.48	2.80	3	Horizontal	80	1.41	-
PK	4.92504G	48.16	74.00	-25.84	6.84	3	Horizontal	290	1.48	-
AV	4.92404G	33.91	54.00	-20.09	6.83	3	Horizontal	290	1.48	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

07/05/2019



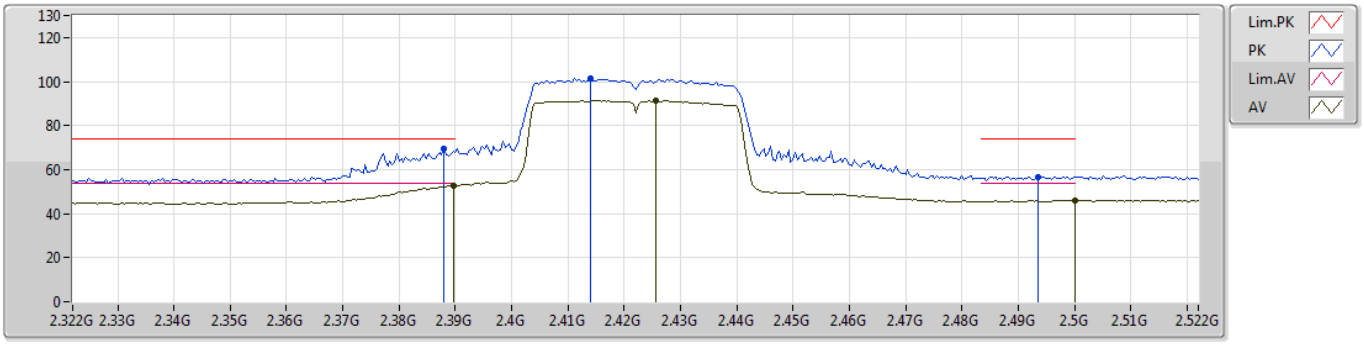
EUT Z_1TX ANT 2
Setting 51
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3564G	55.51	74.00	-18.49	32.00	3	Vertical	282	2.63	-
AV	2.3896G	45.44	54.00	-8.56	32.13	3	Vertical	282	2.63	-
PK	2.4244G	88.65	Inf	-Inf	32.23	3	Vertical	282	2.63	-
AV	2.4268G	78.98	Inf	-Inf	32.24	3	Vertical	282	2.63	-
PK	2.4864G	57.14	74.00	-16.86	32.42	3	Vertical	282	2.63	-
AV	2.5G	45.82	54.00	-8.18	32.46	3	Vertical	282	2.63	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

07/05/2019



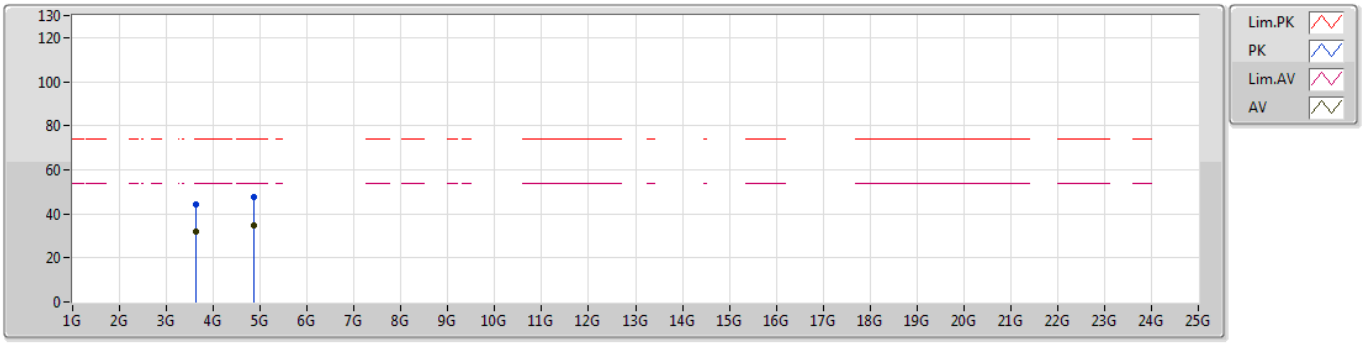
EUT Z_1TX ANT 2
Setting 51
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.388G	69.24	74.00	-4.76	32.11	3	Horizontal	74	1.20	-
AV	2.3896G	52.78	54.00	-1.22	32.13	3	Horizontal	74	1.20	-
PK	2.414G	101.22	Inf	-Inf	32.20	3	Horizontal	74	1.20	-
AV	2.4256G	91.32	Inf	-Inf	32.24	3	Horizontal	74	1.20	-
PK	2.4936G	56.87	74.00	-17.13	32.44	3	Horizontal	74	1.20	-
AV	2.5G	45.88	54.00	-8.12	32.46	3	Horizontal	74	1.20	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

07/05/2019



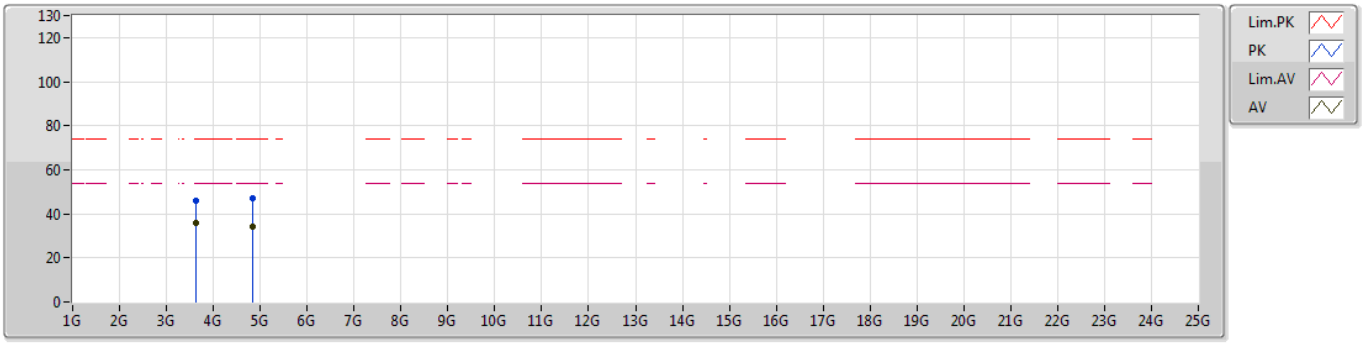
EUT Z_1TX ANT 2
Setting 51
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.63086G	44.11	74.00	-29.89	2.58	3	Vertical	338	1.20	-
AV	3.6316G	31.96	54.00	-22.04	2.58	3	Vertical	338	1.20	-
PK	4.85284G	47.62	74.00	-26.38	6.66	3	Vertical	298	1.57	-
AV	4.85316G	34.52	54.00	-19.48	6.66	3	Vertical	298	1.57	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

07/05/2019



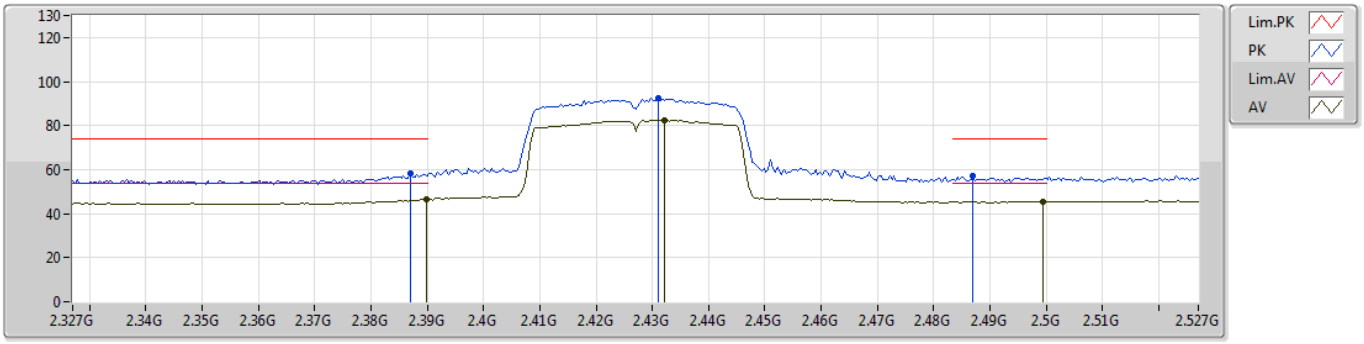
EUT Z_1TX ANT 2
Setting 51
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.63301G	45.72	74.00	-28.28	2.58	3	Horizontal	284	1.36	-
AV	3.63297G	36.00	54.00	-18.00	2.58	3	Horizontal	284	1.36	-
PK	4.83684G	47.31	74.00	-26.69	6.62	3	Horizontal	27	1.48	-
AV	4.84012G	34.45	54.00	-19.55	6.63	3	Horizontal	27	1.48	-

802.11n HT40_Nss1,(MCS0)_1TX

07/05/2019

2427MHz_TX



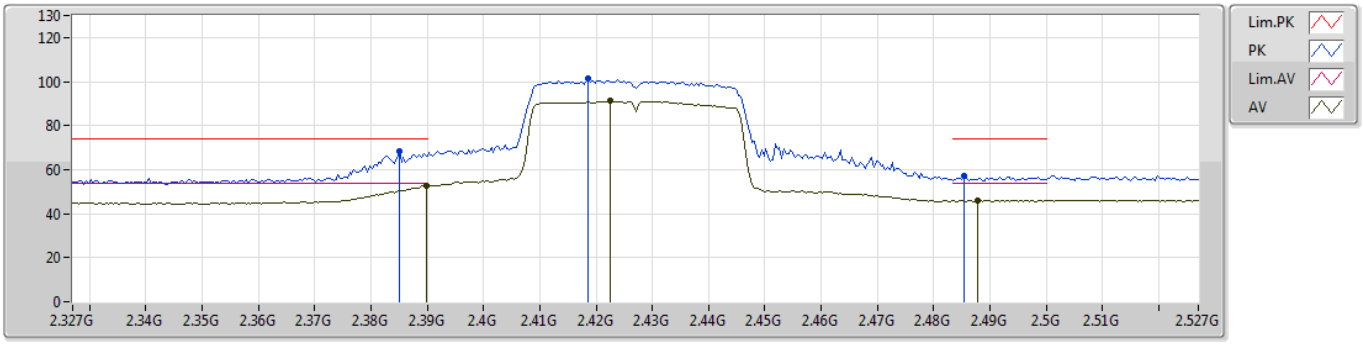
EUT Z_1TX ANT 2
Setting 56
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	58.09	74.00	-15.91	32.11	3	Vertical	167	2.49	-
AV	2.3898G	46.56	54.00	-7.44	32.13	3	Vertical	167	2.49	-
PK	2.431G	92.60	Inf	-Inf	32.25	3	Vertical	167	2.49	-
AV	2.4322G	82.54	Inf	-Inf	32.26	3	Vertical	167	2.49	-
PK	2.487G	56.96	74.00	-17.04	32.42	3	Vertical	167	2.49	-
AV	2.4994G	45.58	54.00	-8.42	32.46	3	Vertical	167	2.49	-

802.11n HT40_Nss1,(MCS0)_1TX

2427MHz_TX

07/05/2019



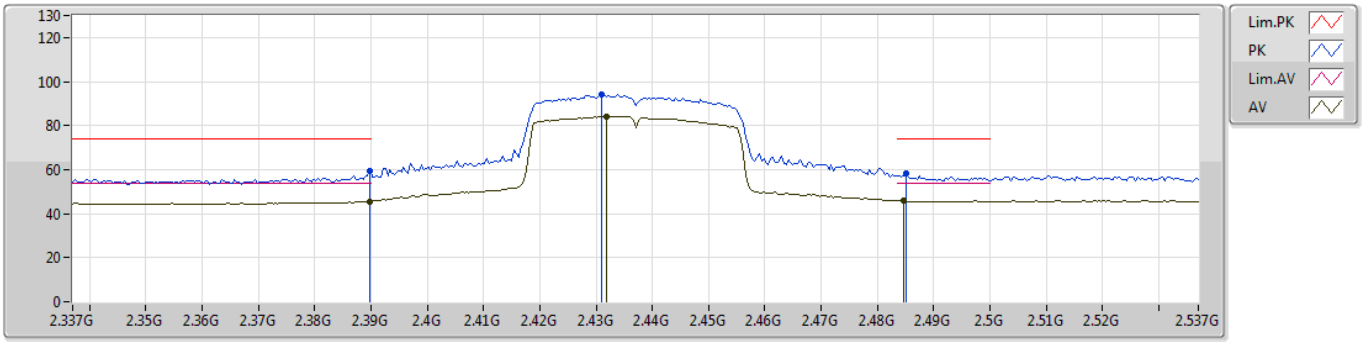
EUT Z_1TX ANT 2
Setting 56
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.385G	68.33	74.00	-5.67	32.11	3	Horizontal	66	1.20	-
AV	2.3898G	52.85	54.00	-1.15	32.13	3	Horizontal	66	1.20	-
PK	2.4186G	101.57	Inf	-Inf	32.21	3	Horizontal	66	1.20	-
AV	2.4226G	91.15	Inf	-Inf	32.23	3	Horizontal	66	1.20	-
PK	2.4854G	56.89	74.00	-17.11	32.42	3	Horizontal	66	1.20	-
AV	2.4878G	45.99	54.00	-8.01	32.42	3	Horizontal	66	1.20	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

07/05/2019



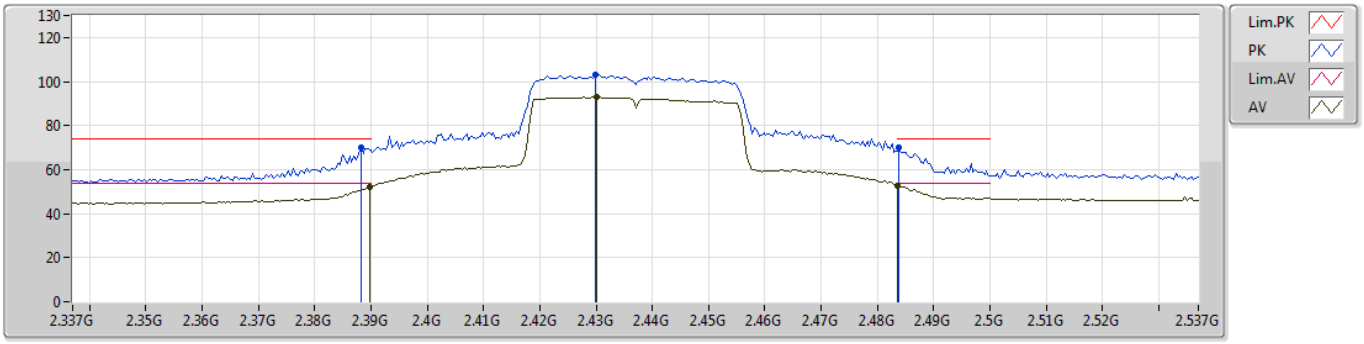
EUT Z_1TX ANT 2
Setting 65
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	59.24	74.00	-14.76	32.13	3	Vertical	182	2.72	-
AV	2.3898G	45.64	54.00	-8.36	32.13	3	Vertical	182	2.72	-
PK	2.431G	93.99	Inf	-Inf	32.25	3	Vertical	182	2.72	-
AV	2.4318G	84.08	Inf	-Inf	32.26	3	Vertical	182	2.72	-
PK	2.485G	58.29	74.00	-15.71	32.42	3	Vertical	182	2.72	-
AV	2.4846G	46.00	54.00	-8.00	32.42	3	Vertical	182	2.72	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

07/05/2019



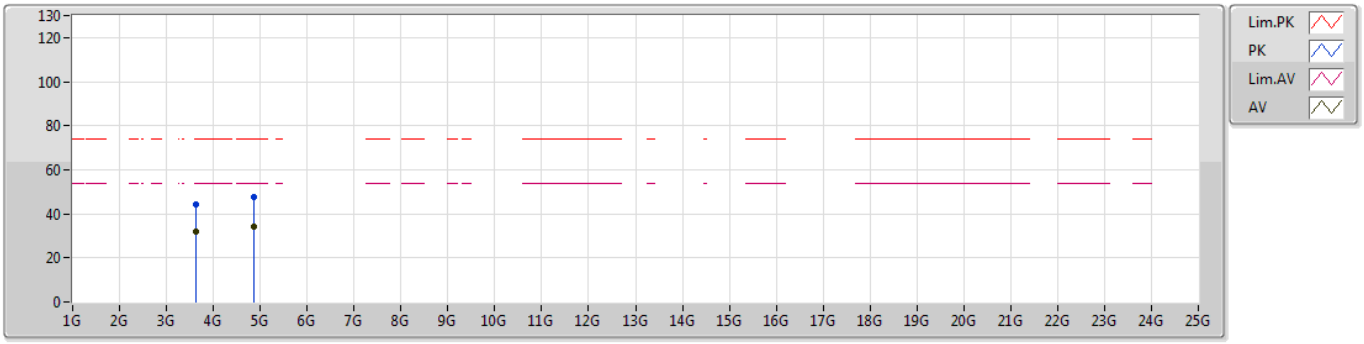
EUT Z_1TX ANT 2
Setting 65
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	70.26	74.00	-3.74	32.11	3	Horizontal	77	1.50	-
AV	2.3898G	52.13	54.00	-1.87	32.13	3	Horizontal	77	1.50	-
PK	2.4298G	102.89	Inf	-Inf	32.25	3	Horizontal	77	1.50	-
AV	2.4302G	92.94	Inf	-Inf	32.25	3	Horizontal	77	1.50	-
PK	2.4838G	69.79	74.00	-4.21	32.41	3	Horizontal	77	1.50	-
AV	2.4835G	52.82	54.00	-1.18	32.41	3	Horizontal	77	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

07/05/2019

2437MHz_TX



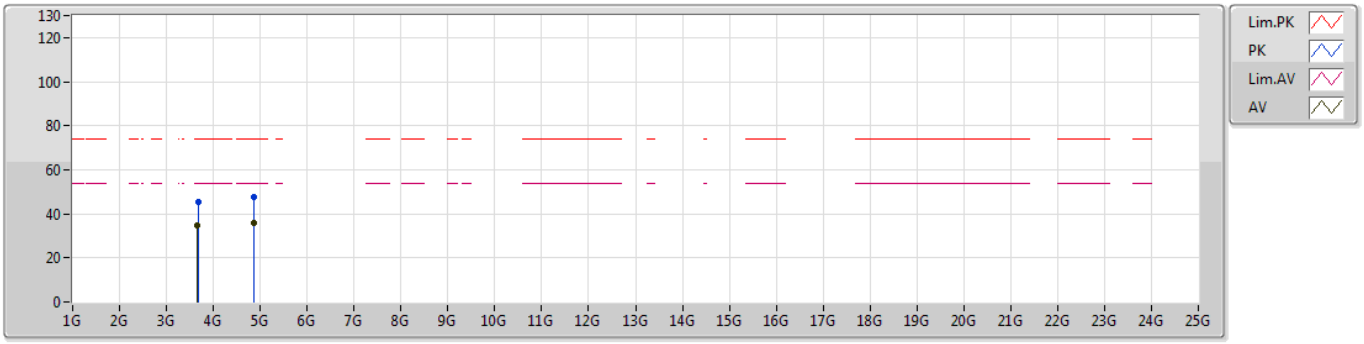
EUT Z_1TX ANT 2
Setting 65
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6274G	44.47	74.00	-29.53	2.57	3	Vertical	59	1.43	-
AV	3.6262G	31.90	54.00	-22.10	2.57	3	Vertical	59	1.43	-
PK	4.87676G	47.52	74.00	-26.48	6.72	3	Vertical	110	1.19	-
AV	4.87456G	34.35	54.00	-19.65	6.71	3	Vertical	110	1.19	-

802.11n HT40_Nss1,(MCS0)_1TX

07/05/2019

2437MHz_TX



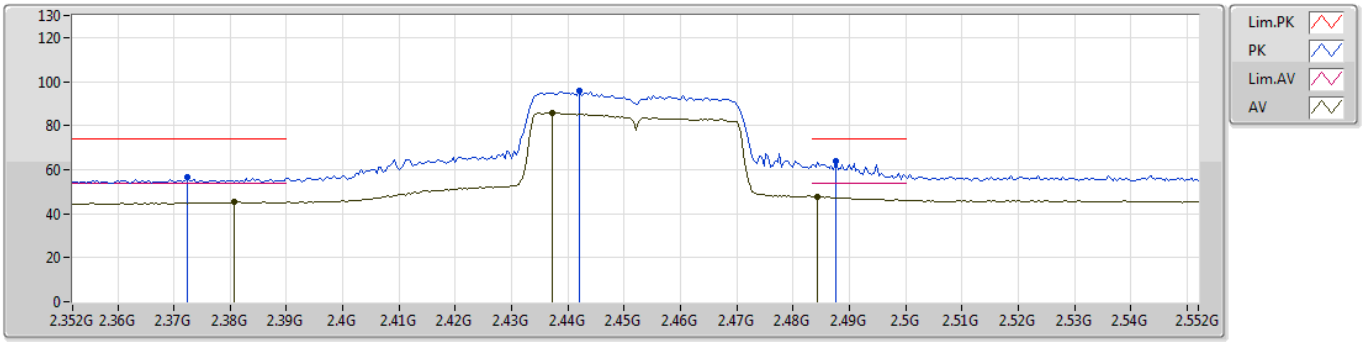
EUT Z_1TX ANT 2
Setting 65
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.6724G	45.23	74.00	-28.77	2.72	3	Horizontal	339	1.49	-
AV	3.6556G	34.73	54.00	-19.27	2.67	3	Horizontal	339	1.49	-
PK	4.87536G	47.57	74.00	-26.43	6.71	3	Horizontal	278	1.35	-
AV	4.874G	35.62	54.00	-18.38	6.71	3	Horizontal	278	1.35	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

07/05/2019



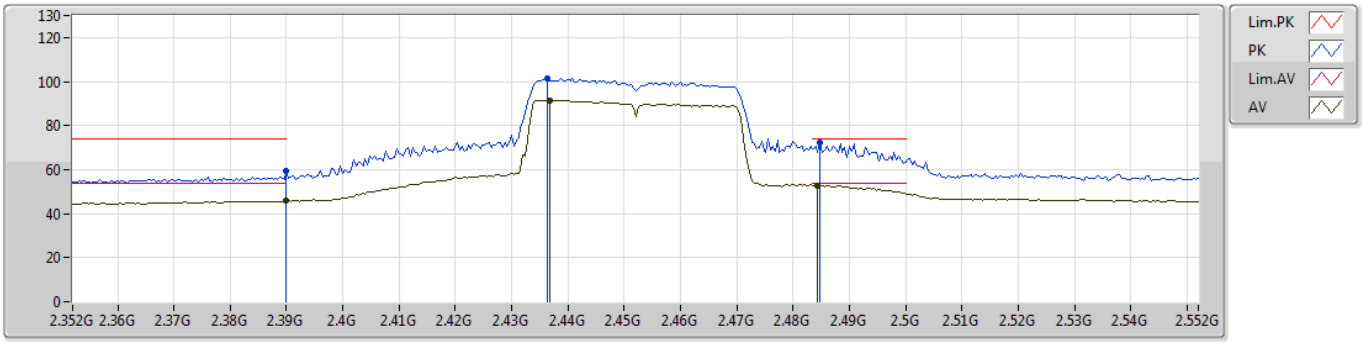
EUT Z_1TX ANT 2
Setting 57
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3724G	56.56	74.00	-17.44	32.06	3	Vertical	101	1.15	-
AV	2.3808G	45.14	54.00	-8.86	32.10	3	Vertical	101	1.15	-
PK	2.442G	95.72	Inf	-Inf	32.28	3	Vertical	101	1.15	-
AV	2.4372G	85.66	Inf	-Inf	32.27	3	Vertical	101	1.15	-
PK	2.4876G	64.14	74.00	-9.86	32.42	3	Vertical	101	1.15	-
AV	2.4844G	47.67	54.00	-6.33	32.42	3	Vertical	101	1.15	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

07/05/2019



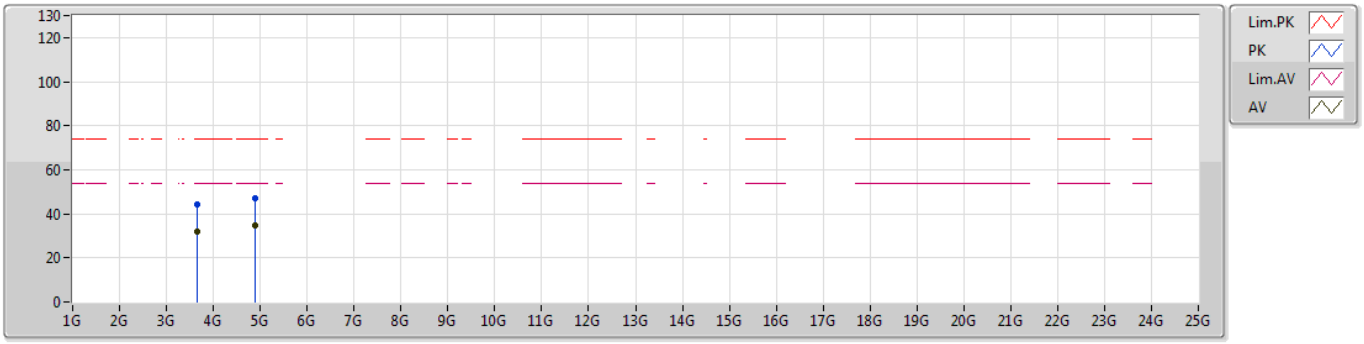
EUT Z_1TX ANT 2
Setting 57
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	59.33	74.00	-14.67	32.13	3	Horizontal	72	1.34	-
AV	2.39G	45.67	54.00	-8.33	32.13	3	Horizontal	72	1.34	-
PK	2.4364G	101.40	Inf	-Inf	32.27	3	Horizontal	72	1.34	-
AV	2.4368G	91.45	Inf	-Inf	32.27	3	Horizontal	72	1.34	-
PK	2.4848G	72.12	74.00	-1.88	32.42	3	Horizontal	72	1.34	-
AV	2.4844G	52.81	54.00	-1.19	32.42	3	Horizontal	72	1.34	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

07/05/2019



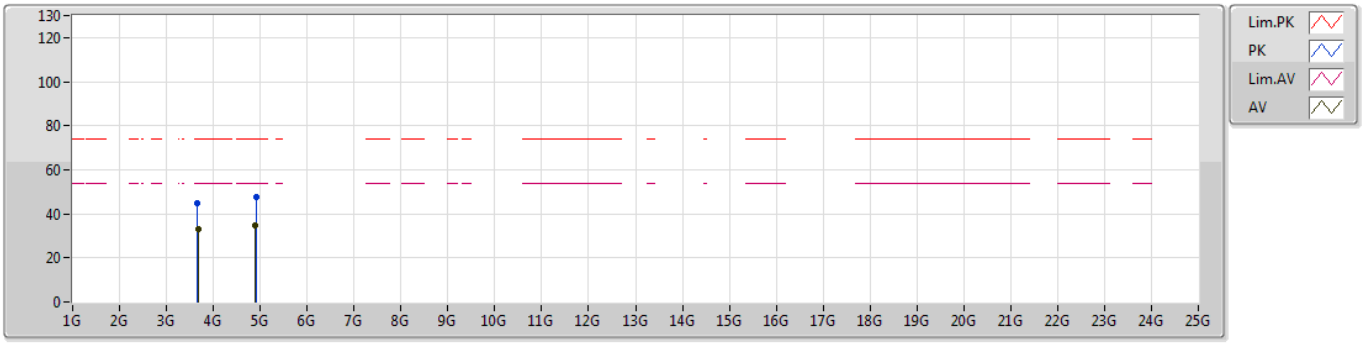
EUT Z_1TX ANT 2
Setting 57
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.64424G	44.23	74.00	-29.77	2.62	3	Vertical	258	1.31	-
AV	3.64956G	31.66	54.00	-22.34	2.63	3	Vertical	258	1.31	-
PK	4.90156G	46.94	74.00	-27.06	6.77	3	Vertical	290	1.47	-
AV	4.8994G	34.77	54.00	-19.23	6.77	3	Vertical	290	1.47	-

802.11n HT40_Nss1,(MCS0)_1TX

07/05/2019

2452MHz_TX



EUT Z_1TX ANT 2
Setting 57
06-C-4
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	3.662G	44.74	74.00	-29.26	2.68	3	Horizontal	233	1.40	-
AV	3.678G	32.97	54.00	-21.03	2.73	3	Horizontal	233	1.40	-
PK	4.90748G	47.51	74.00	-26.49	6.78	3	Horizontal	137	1.12	-
AV	4.90108G	34.81	54.00	-19.19	6.77	3	Horizontal	137	1.12	-