FCC RADIO TEST REPORT

FCC ID	:	TE7RE305V3
Equipment	:	AC1200 Wi-Fi Range Extender
Brand Name	:	tp-link
Model Name	:	RE305
Applicant	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Manufacturer	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Standard	:	47 CFR FCC Part 15.247

The product was received on Aug. 10, 2018, and testing was started from Aug. 23, 2018 and completed on Aug. 28, 2018. 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.)

Table of Contents

Appendix H. Test Photos

Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR880834AA	01	Initial issue of report	Mar. 25, 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:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. 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	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX

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)	
	2.4GHz	5GHz					2.4GHz	5GHz
1	2	1	TP-LINK	3101500970	Dipole Antenna	I-PEX	2	3
2	1	2	TP-LINK	3101500971	Dipole Antenna	I-PEX	2	3

Note: The above information was declared by manufacturer.

<For 2.4GHz Band>

For IEEE 802.11b/g/n mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

<For 5GHz Band>

For IEEE 802.11a/n/ac mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.987	0.057	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.944	0.25	1.398m	1k
802.11n HT20	0.93	0.315	1.3m	1k
802.11n HT40	0.868	0.615	637.5u	3k

1.1.4 EUT Operational Condition

EUT Power Type	From Internal Power Supply			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	MT7603 QA V0.0.0.70			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT support function

Function
AP
Extender

Note: The EUT supports AP and Extender mode, only Extender mode was tested and recorded in this test report by applicant request.

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 558074 D01 v05r01
- FCC KDB 662911 D01 v02r01

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	Caster Chang	23°C / 56%	Aug. 25, 2018~ Aug. 28, 2018
Radiated	03CH01-CB	Lance Wu	22°C / 54%	Aug. 23, 2018~ Aug. 27, 2018
AC Conduction	CO01-CB	Wei Li	25°C / 63%	Aug. 28, 2018

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)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 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)_2TX	-
2412MHz	29
2417MHz	2B
2437MHz	2B
2452MHz	2B
2457MHz	27
2462MHz	27
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	1F
2417MHz	28
2437MHz	28
2457MHz	28
2462MHz	22
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	1D
2417MHz	25
2422MHz	28
2437MHz	28
2452MHz	28
2457MHz	25
2462MHz	1D
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	18
2427MHz	1B
2432MHz	1E
2437MHz	21
2442MHz	1F
2447MHz	1C
2452MHz	18

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	Normal Link_Extender mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	Normal Link_Extender mode: Place EUT in Y axis
2	Normal Link_Extender mode: Place EUT in Z axis
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT can be placed in Y-axis and Z-axis. After evaluating, “Z axis” generated the worst test result, so the measurement will follow this same test configuration.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The EUT can be placed in Y-axis and Z-axis. After evaluating, “Z axis” generated the worst test result from Emissions in Restricted Frequency Bands Above 1GHz, so the measurement will follow this same test configuration.	
1	WLAN 2.4GHz+ WLAN 5GHz_Place EUT in Z axis
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA880834 for Co-location RF Exposure Evaluation.	

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 Test Site No: CO01-CB

Support Equipment			
Equipment	**Brand Name**	**Model Name**	**FCC ID**
NB	DELL	E6430	N/A
NB	DELL	E6430	N/A
NB	DELL	E6430	N/A
AP Router	ASUS	RP-N53	MSQ-RPN53

For Test Site No: 03CH01-CB (below 1GHz)

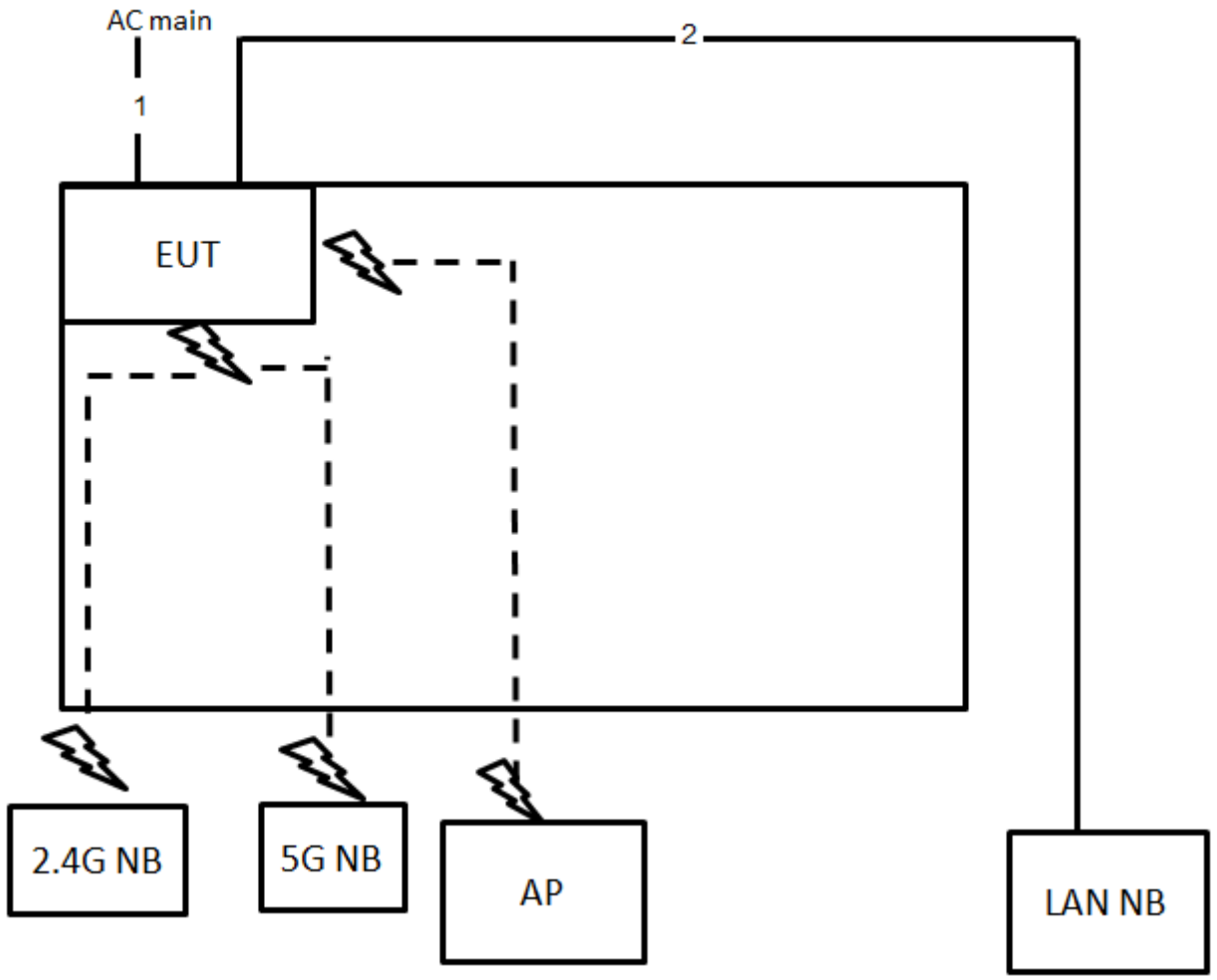
Support Equipment			
Equipment	**Brand Name**	**Model Name**	**FCC ID**
NB	DELL	E4300	N/A
NB	DELL	E4300	N/A
NB	Apple	Mac Book	N/A
WLAN AP	NETGEAR	WNDR3300v2	PY309300116

For Test Site No: 03CH01-CB (above 1GHz) and TH01-CB

Support Equipment			
Equipment	**Brand Name**	**Model Name**	**FCC ID**
NB	DELL	E4300	N/A

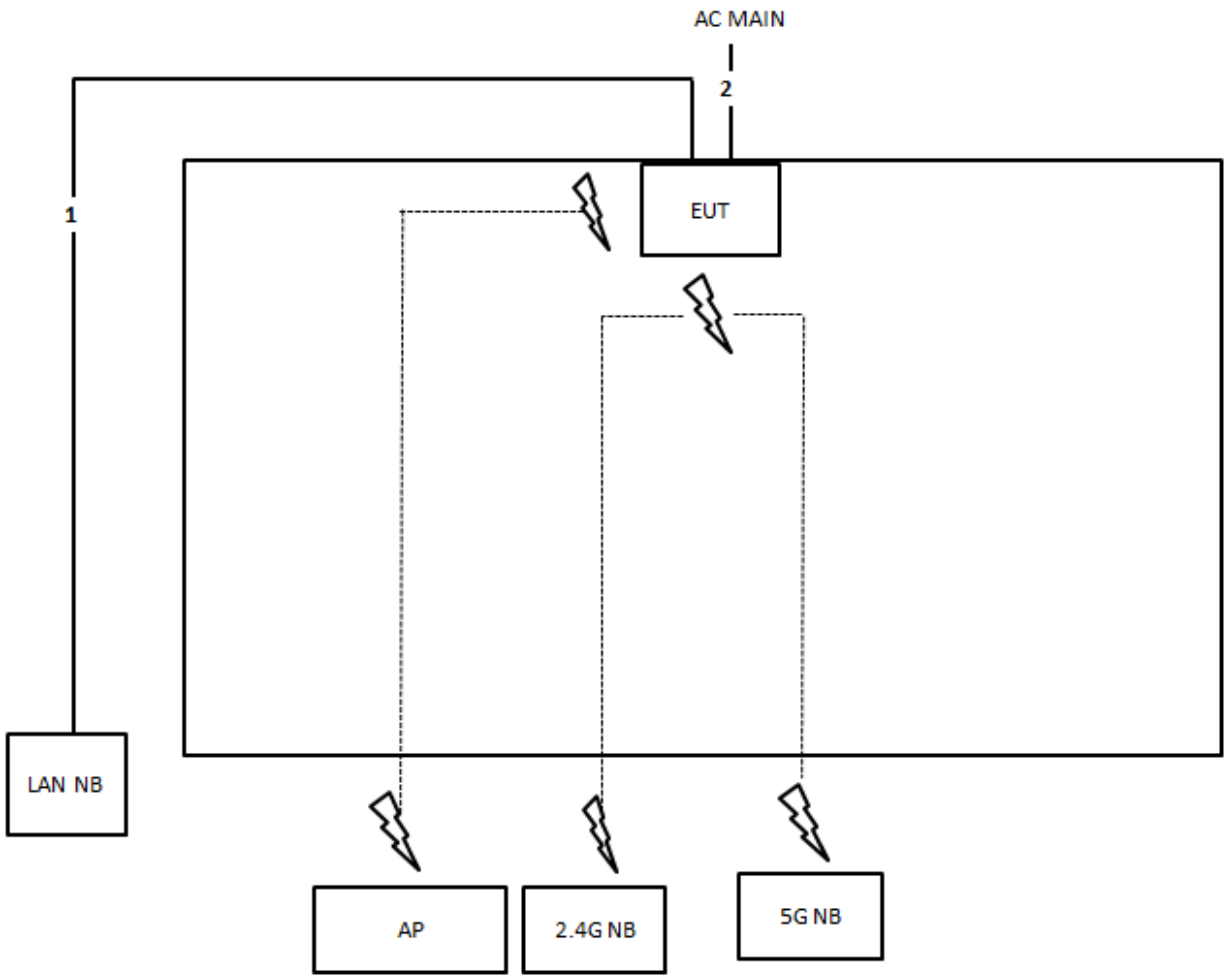
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



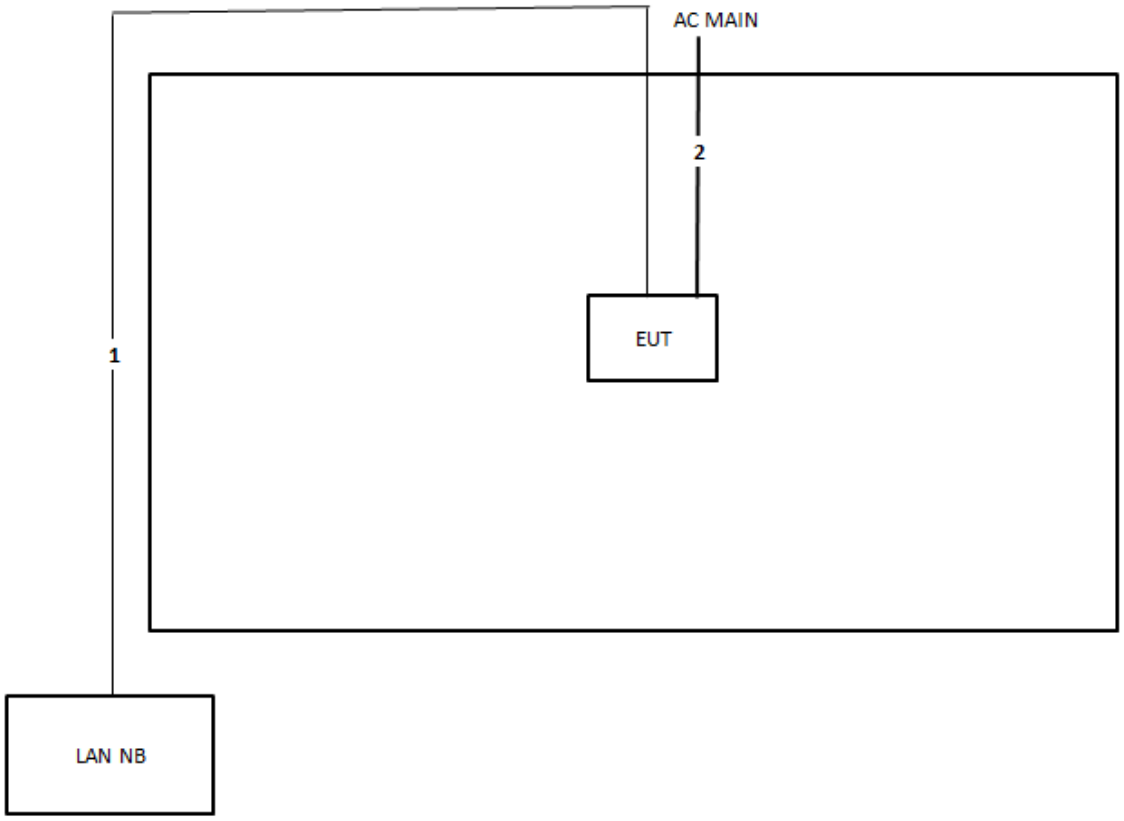
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.5m

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

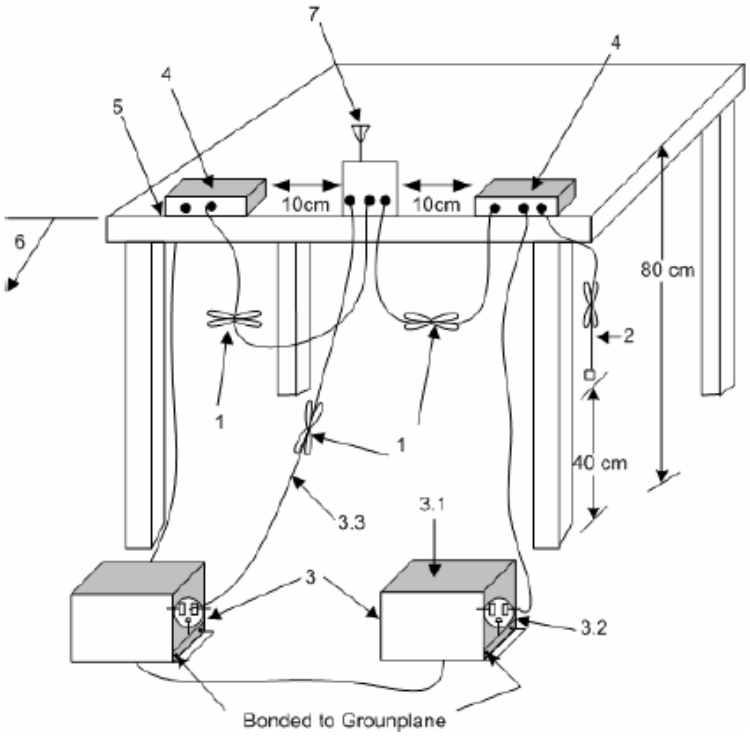
Refer a test equipment and calibration data table in this test report.

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.

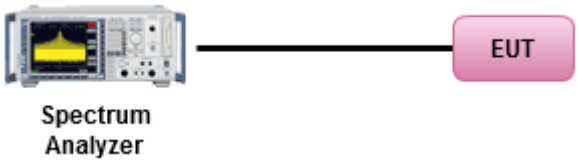
3.2.2 Measuring Instruments

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

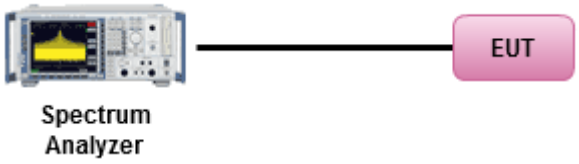
Refer a test equipment and calibration data table in this test report.

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.	

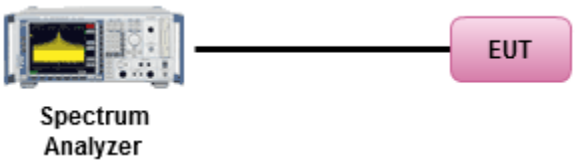
3.5.2 Measuring Instruments

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.

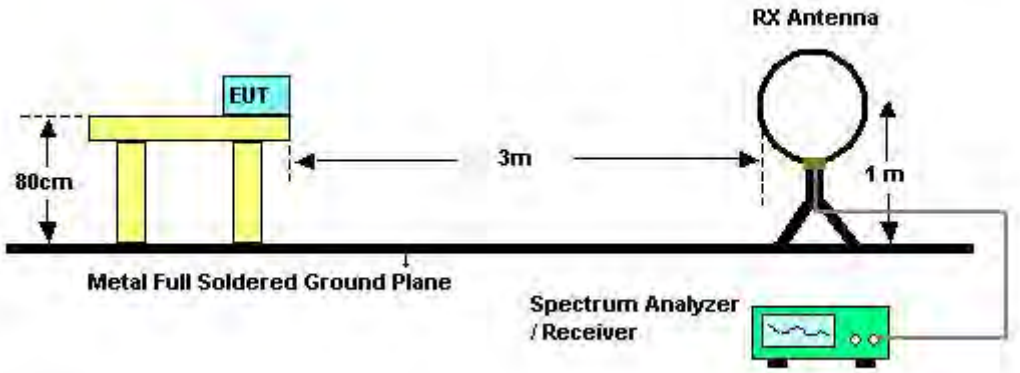
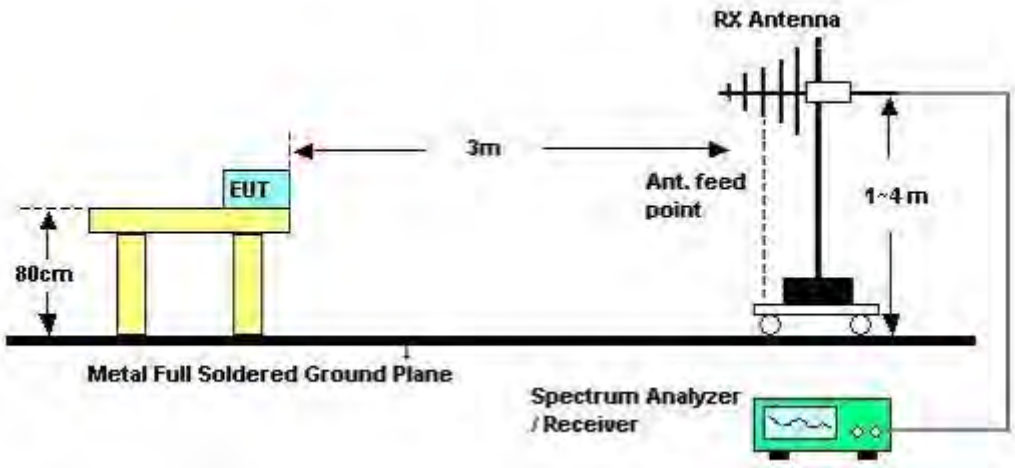
3.6.2 Measuring Instruments

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

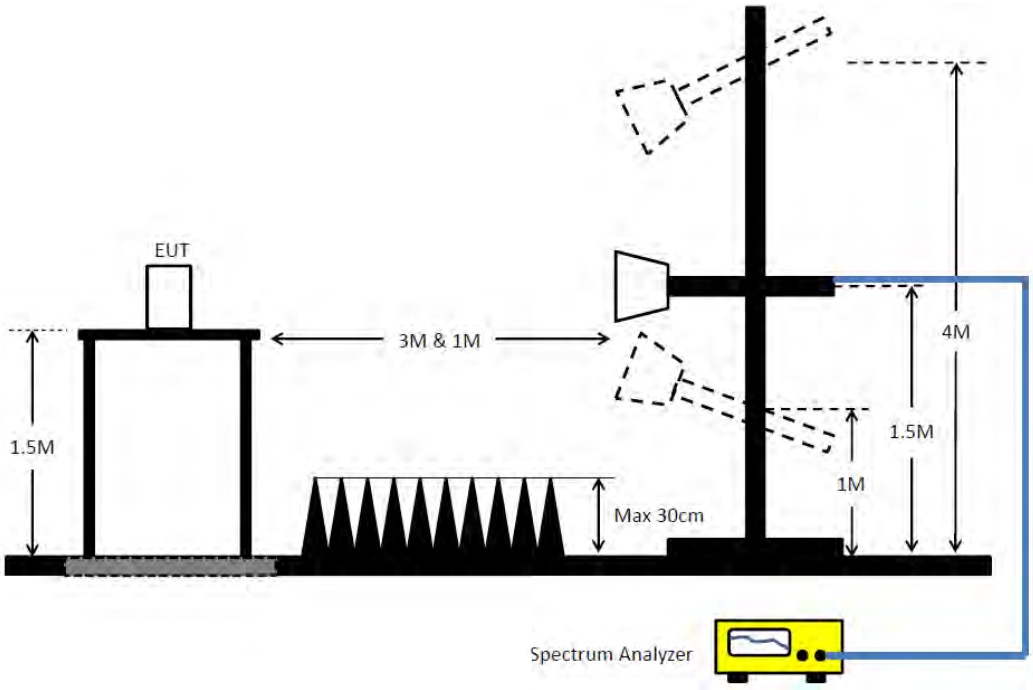
3.6.3 Test Procedures

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 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.

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

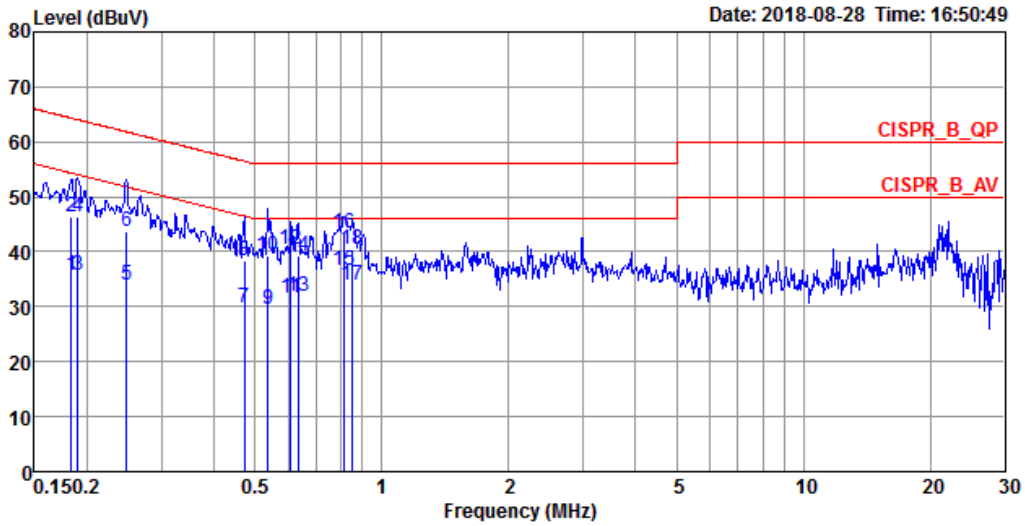
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 31, 2018	Jan. 30, 2019	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 20, 2017	Dec. 19, 2018	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 29, 2017	Dec. 28, 2018	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	150kHz ~ 30MHz	May 22, 2018	May 21, 2019	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100354	9kHz ~ 2.75GHz	Dec. 08, 2017	Dec. 07, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)

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

NCR means Non-Calibration required.

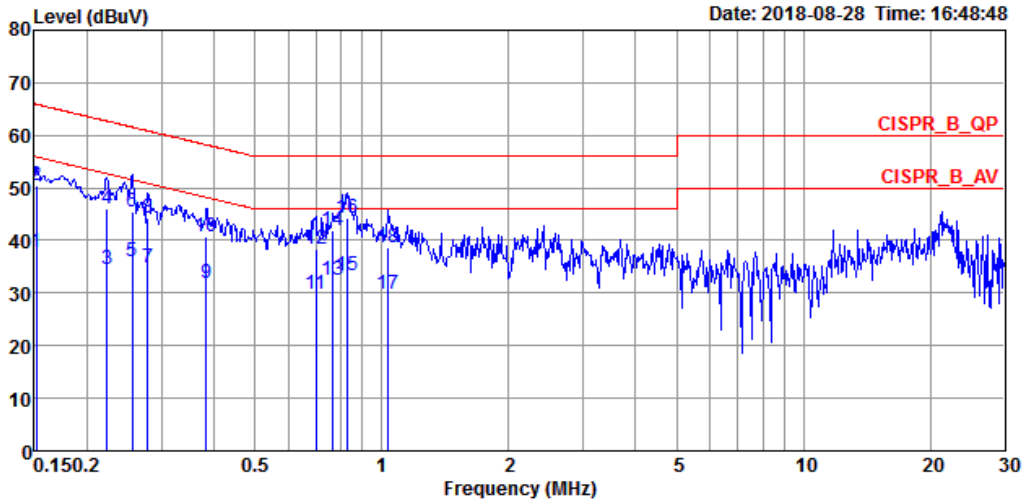
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1835	35.79	-18.54	54.33	25.73	9.91	0.15	Average	LINE
2	0.1835	46.47	-17.86	64.33	36.41	9.91	0.15	QP	LINE
3	0.1904	35.61	-18.41	54.02	25.56	9.91	0.14	Average	LINE
4	0.1904	46.38	-17.64	64.02	36.33	9.91	0.14	QP	LINE
5	0.2481	33.87	-17.95	51.82	23.83	9.91	0.13	Average	LINE
6	0.2481	43.63	-18.19	61.82	33.59	9.91	0.13	QP	LINE
7	0.4711	29.87	-16.62	46.49	19.83	9.91	0.13	Average	LINE
8	0.4711	38.29	-18.20	56.49	28.25	9.91	0.13	QP	LINE
9	0.5378	29.62	-16.38	46.00	19.55	9.92	0.15	Average	LINE
10	0.5378	39.25	-16.75	56.00	29.18	9.92	0.15	QP	LINE
11	0.6075	31.61	-14.39	46.00	21.53	9.92	0.16	Average	LINE
12	0.6075	40.41	-15.59	56.00	30.33	9.92	0.16	QP	LINE
13	0.6338	32.02	-13.98	46.00	21.94	9.92	0.16	Average	LINE
14	0.6338	39.15	-16.85	56.00	29.07	9.92	0.16	QP	LINE
15	0.8131	36.57	-9.43	46.00	26.46	9.93	0.18	Average	LINE
16	0.8131	43.53	-12.47	56.00	33.42	9.93	0.18	QP	LINE
17	0.8528	33.89	-12.11	46.00	23.77	9.93	0.19	Average	LINE
18	0.8528	40.51	-15.49	56.00	30.39	9.93	0.19	QP	LINE

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

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1516	37.84	-18.07	55.91	27.76	9.92	0.16	Average	NEUTRAL
2	0.1516	50.34	-15.57	65.91	40.26	9.92	0.16	QP	NEUTRAL
3	0.2232	34.60	-18.10	52.70	24.54	9.92	0.14	Average	NEUTRAL
4	0.2232	45.98	-16.72	62.70	35.92	9.92	0.14	QP	NEUTRAL
5	0.2562	36.04	-15.52	51.56	25.99	9.92	0.13	Average	NEUTRAL
6	0.2562	45.56	-16.00	61.56	35.51	9.92	0.13	QP	NEUTRAL
7	0.2788	34.79	-16.06	50.85	24.74	9.92	0.13	Average	NEUTRAL
8	0.2788	44.17	-16.68	60.85	34.12	9.92	0.13	QP	NEUTRAL
9	0.3832	31.91	-16.30	48.21	21.87	9.92	0.12	Average	NEUTRAL
10	0.3832	40.72	-17.49	58.21	30.68	9.92	0.12	QP	NEUTRAL
11	0.6973	29.69	-16.31	46.00	19.59	9.93	0.17	Average	NEUTRAL
12	0.6973	38.36	-17.64	56.00	28.26	9.93	0.17	QP	NEUTRAL
13	0.7670	32.49	-13.51	46.00	22.38	9.93	0.18	Average	NEUTRAL
14	0.7670	41.80	-14.20	56.00	31.69	9.93	0.18	QP	NEUTRAL
15	0.8261	33.34	-12.66	46.00	23.23	9.93	0.18	Average	NEUTRAL
16	0.8261	44.31	-11.69	56.00	34.20	9.93	0.18	QP	NEUTRAL
17	1.0375	29.74	-16.26	46.00	19.61	9.93	0.20	Average	NEUTRAL
18	1.0375	38.82	-17.18	56.00	28.69	9.93	0.20	QP	NEUTRAL

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)_2TX	10.075M	16.992M	17M0G1D	10.025M	14.843M
802.11g_Nss1,(6Mbps)_2TX	15.05M	17.816M	17M8D1D	14.375M	16.342M
802.11n HT20_Nss1,(MCS0)_2TX	15.1M	18.691M	18M7D1D	12.625M	17.516M
802.11n HT40_Nss1,(MCS0)_2TX	35.05M	36.032M	36M0D1D	33.75M	35.782M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.05M	15.342M	10.075M	15.142M
2437MHz	Pass	500k	10.05M	16.017M	10.075M	16.992M
2462MHz	Pass	500k	10.025M	14.843M	10.05M	14.968M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15M	16.342M	15.025M	16.342M
2437MHz	Pass	500k	14.9M	17.241M	14.375M	17.816M
2462MHz	Pass	500k	15.025M	16.442M	15.05M	16.442M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.05M	17.516M	15.1M	17.516M
2437MHz	Pass	500k	15.025M	18.066M	15.05M	18.691M
2462MHz	Pass	500k	12.625M	17.516M	15.05M	17.541M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.05M	35.882M	33.75M	35.882M
2437MHz	Pass	500k	35M	35.932M	35.05M	36.032M
2452MHz	Pass	500k	33.85M	35.832M	35.05M	35.782M

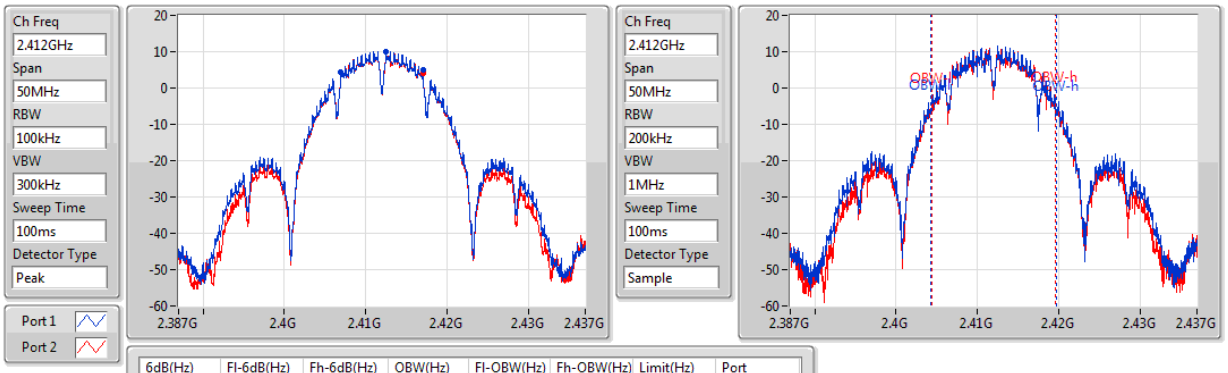
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

25/08/2018



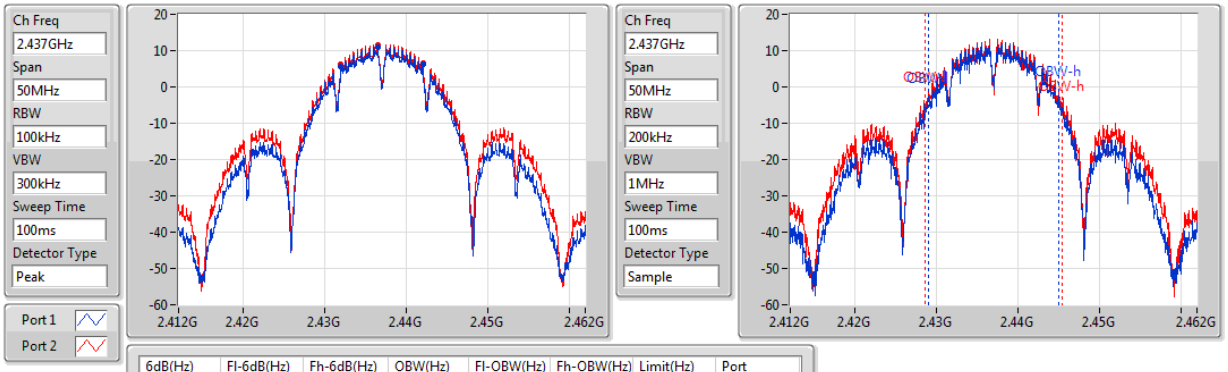
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.406975G	2.417025G	15.342M	2.404329G	2.419671G	500k	1
10.075M	2.406975G	2.41705G	15.142M	2.404429G	2.419571G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

25/08/2018



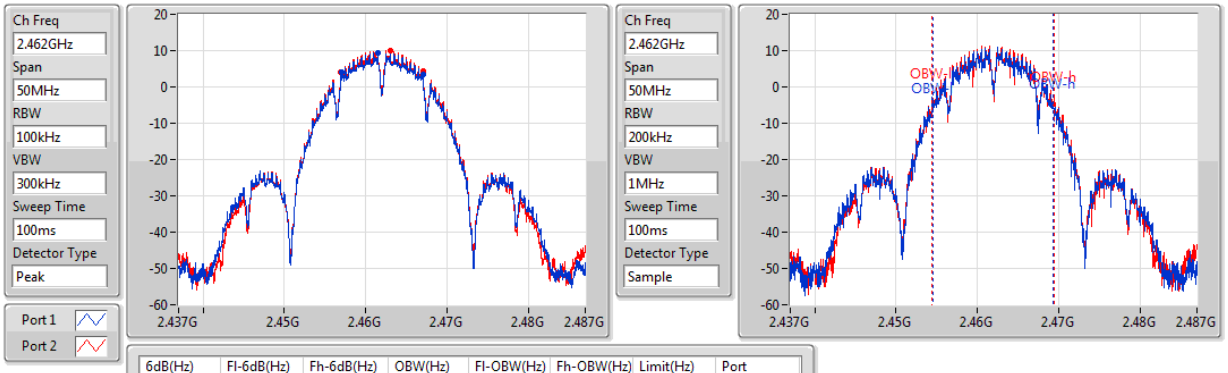
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.431975G	2.442025G	16.017M	2.428979G	2.444996G	500k	1
10.075M	2.431975G	2.44205G	16.992M	2.428504G	2.445496G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

25/08/2018



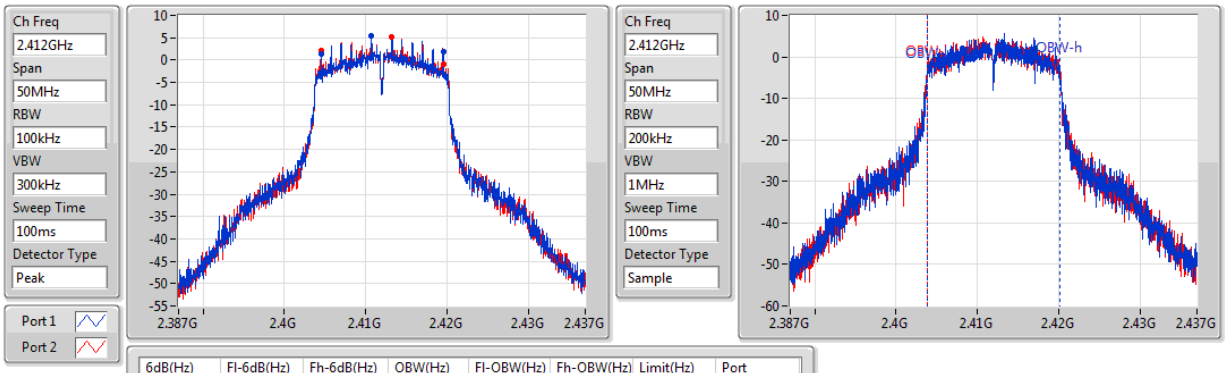
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.457G	2.467025G	14.843M	2.454504G	2.469346G	500k	1
10.05M	2.456975G	2.467025G	14.968M	2.454479G	2.469446G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

25/08/2018



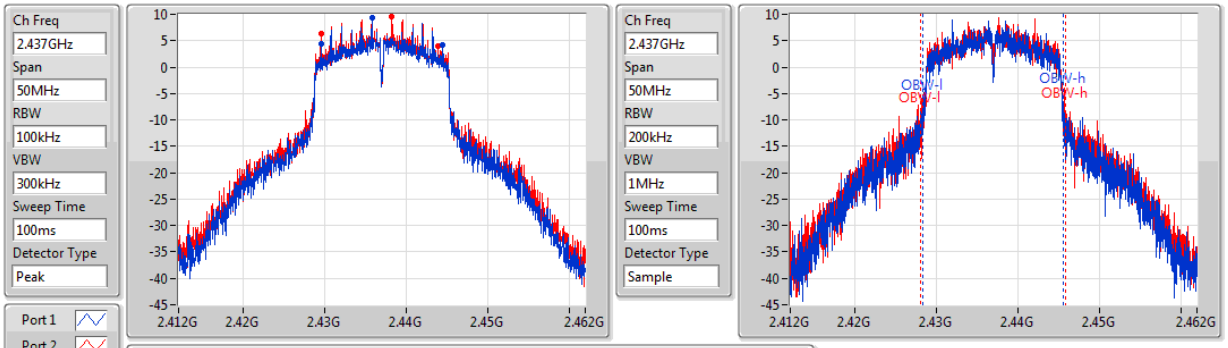
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.404525G	2.419525G	16.342M	2.403829G	2.420171G	500k	1
15.025M	2.4045G	2.419525G	16.342M	2.403829G	2.420171G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

25/08/2018



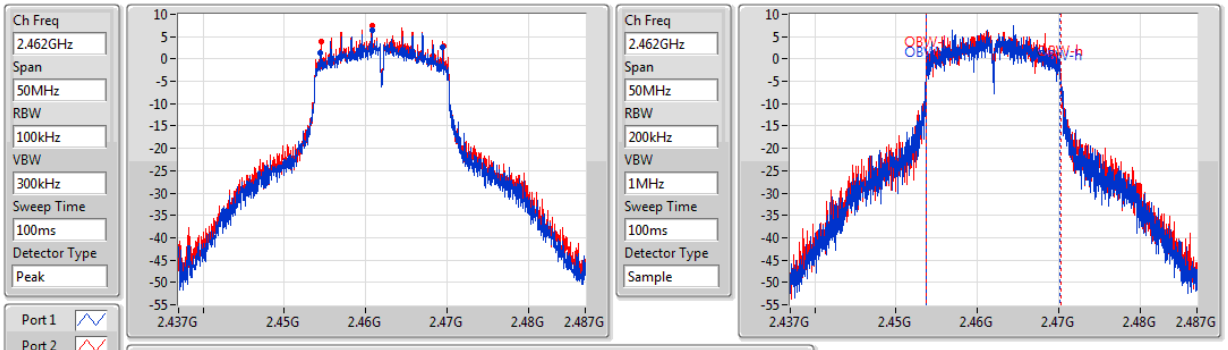
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.9M	2.42955G	2.44445G	17.241M	2.428354G	2.445596G	500k	1
14.375M	2.4295G	2.443875G	17.816M	2.428079G	2.445896G	500k	2

802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

25/08/2018



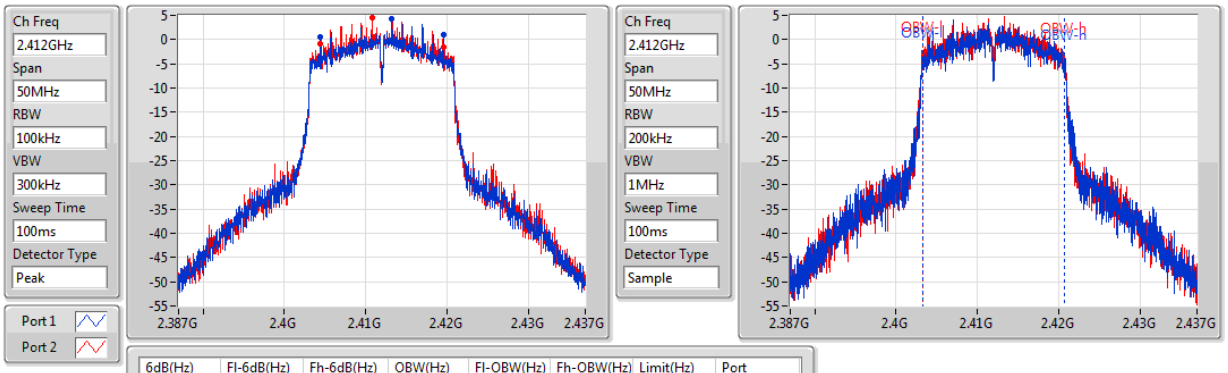
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.45445G	2.469475G	16.442M	2.453754G	2.470196G	500k	1
15.05M	2.4545G	2.46955G	16.442M	2.453779G	2.470221G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

2412MHz

25/08/2018



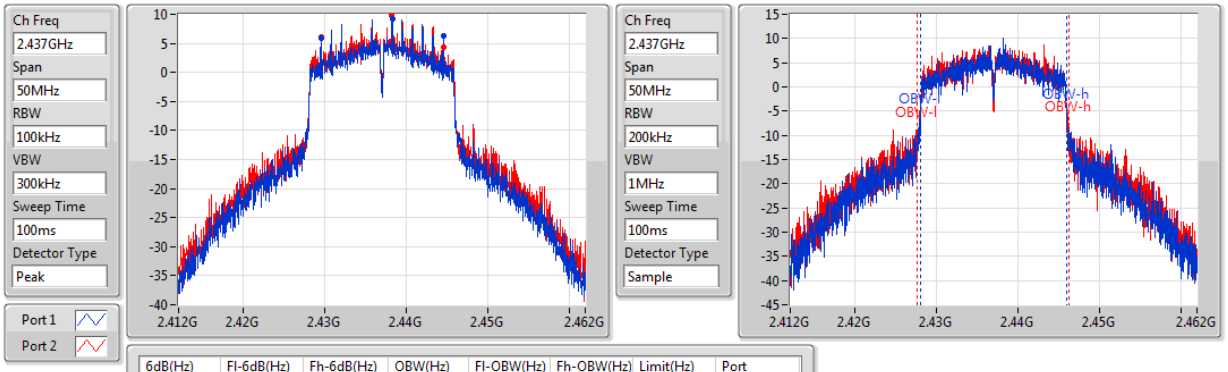
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.404475G	2.419525G	17.516M	2.403229G	2.420746G	500k	1
15.1M	2.40445G	2.41955G	17.516M	2.403229G	2.420746G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

2437MHz

25/08/2018



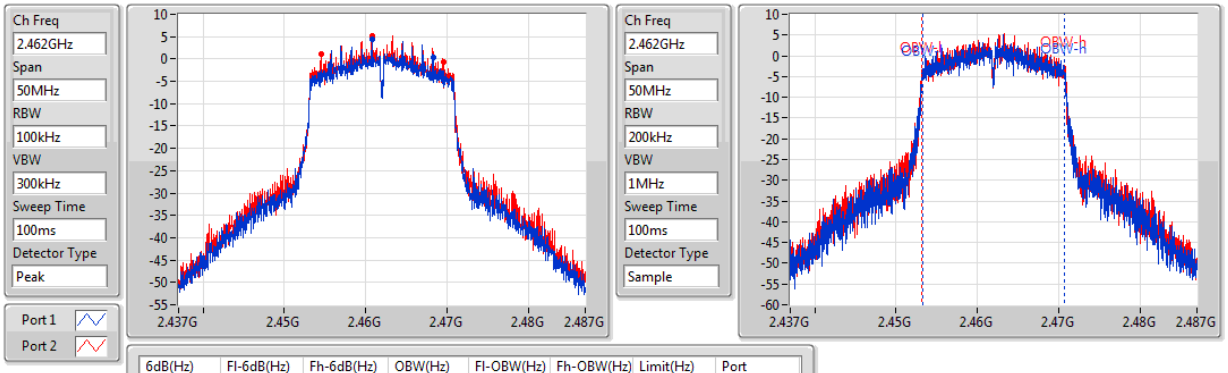
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.4295G	2.444525G	18.066M	2.427955G	2.44602G	500k	1
15.05M	2.4295G	2.44455G	18.691M	2.42763G	2.44632G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

2462MHz

25/08/2018



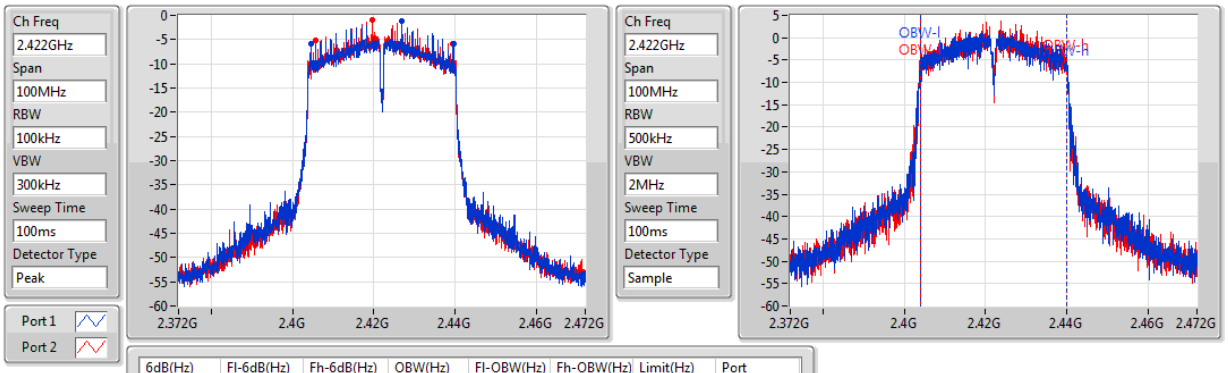
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.625M	2.455675G	2.4683G	17.516M	2.453229G	2.470746G	500k	1
15.05M	2.4545G	2.46955G	17.541M	2.453204G	2.470746G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX

EBW

2422MHz

25/08/2018



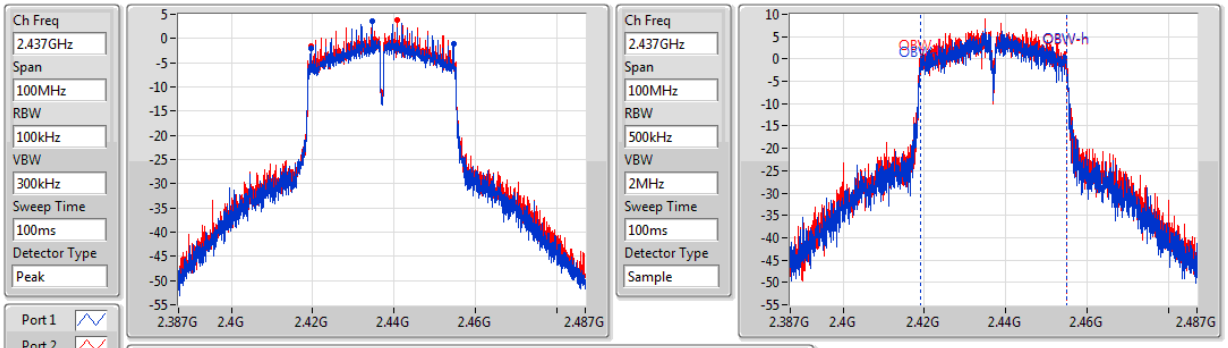
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.4045G	2.43955G	35.882M	2.404059G	2.439941G	500k	1
33.75M	2.40575G	2.4395G	35.882M	2.404009G	2.439891G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX

EBW

2437MHz

25/08/2018



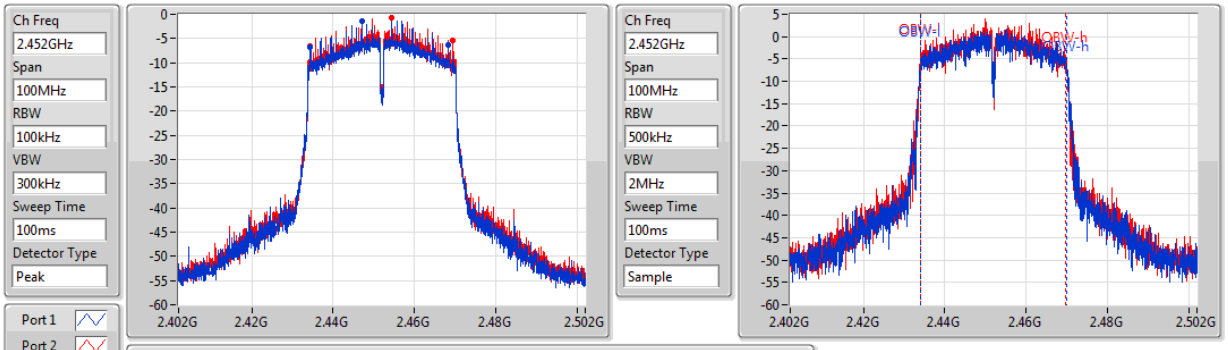
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35M	2.41955G	2.45455G	35.932M	2.419009G	2.454941G	500k	1
35.05M	2.4195G	2.45455G	36.032M	2.418909G	2.454941G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX

EBW

2452MHz

25/08/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.85M	2.43445G	2.4683G	35.832M	2.434059G	2.469891G	500k	1
35.05M	2.43445G	2.4695G	35.782M	2.434009G	2.469791G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.42	0.34834
802.11g_Nss1,(6Mbps)_2TX	23.05	0.20184
802.11n HT20_Nss1,(MCS0)_2TX	23.05	0.20184
802.11n HT40_Nss1,(MCS0)_2TX	19.85	0.09661

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	21.05	20.92	24.00	30.00
2417MHz	Pass	2.00	21.76	21.80	24.79	30.00
2437MHz	Pass	2.00	21.94	22.84	25.42	30.00
2452MHz	Pass	2.00	21.89	22.83	25.40	30.00
2457MHz	Pass	2.00	20.32	20.48	23.41	30.00
2462MHz	Pass	2.00	19.88	20.46	23.19	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	16.19	16.38	19.30	30.00
2417MHz	Pass	2.00	19.76	20.09	22.94	30.00
2437MHz	Pass	2.00	19.78	20.29	23.05	30.00
2457MHz	Pass	2.00	19.60	20.28	22.96	30.00
2462MHz	Pass	2.00	17.53	18.04	20.80	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.00	15.09	15.38	18.25	30.00
2417MHz	Pass	2.00	18.68	18.84	21.77	30.00
2422MHz	Pass	2.00	19.71	20.03	22.88	30.00
2437MHz	Pass	2.00	19.73	20.32	23.05	30.00
2452MHz	Pass	2.00	19.72	20.29	23.02	30.00
2457MHz	Pass	2.00	18.59	19.33	21.99	30.00
2462MHz	Pass	2.00	14.92	15.70	18.34	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.00	12.37	12.44	15.42	30.00
2427MHz	Pass	2.00	13.95	13.89	16.93	30.00
2432MHz	Pass	2.00	15.41	15.39	18.41	30.00
2437MHz	Pass	2.00	16.55	17.12	19.85	30.00
2442MHz	Pass	2.00	15.76	16.20	19.00	30.00
2447MHz	Pass	2.00	14.39	14.84	17.63	30.00
2452MHz	Pass	2.00	12.19	12.83	15.53	30.00

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted average output power is for reference only

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-6.51
802.11g_Nss1,(6Mbps)_2TX	-4.18
802.11n HT20_Nss1,(MCS0)_2TX	-3.49
802.11n HT40_Nss1,(MCS0)_2TX	-9.84

RBW=3kHz.

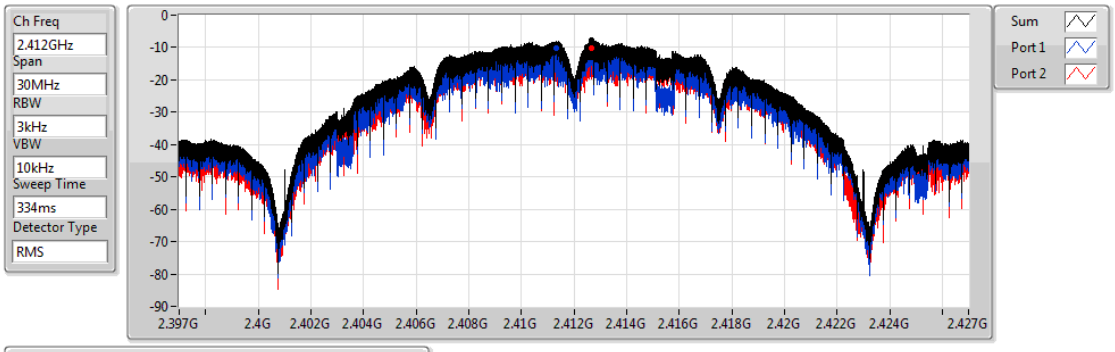
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-10.30	-10.29	-7.80	8.00
2437MHz	Pass	5.01	-9.77	-8.81	-6.51	8.00
2462MHz	Pass	5.01	-11.01	-10.50	-8.33	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-9.46	-11.09	-8.69	8.00
2437MHz	Pass	5.01	-5.73	-6.98	-4.18	8.00
2462MHz	Pass	5.01	-9.66	-9.30	-7.64	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.01	-12.68	-11.27	-9.83	8.00
2437MHz	Pass	5.01	-6.75	-6.18	-3.49	8.00
2462MHz	Pass	5.01	-12.29	-10.84	-9.48	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.01	-17.02	-16.79	-14.14	8.00
2437MHz	Pass	5.01	-12.82	-12.58	-9.84	8.00
2452MHz	Pass	5.01	-17.15	-14.79	-13.60	8.00

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

802.11b_Nss1,(1Mbps)_2TX PSD

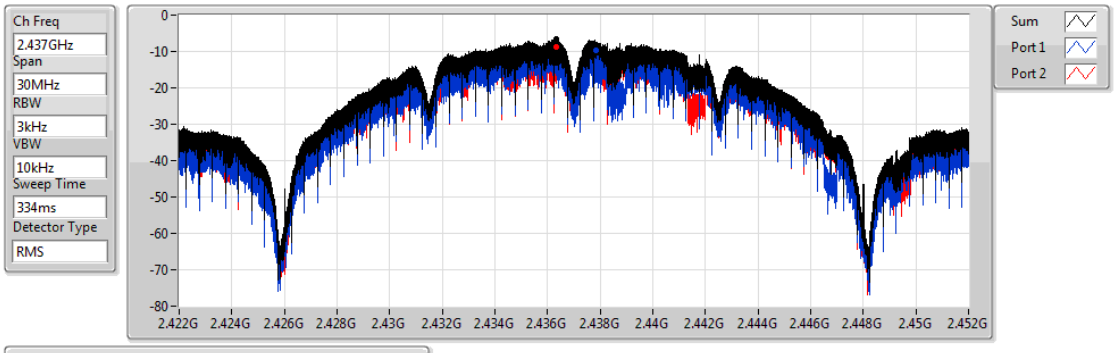
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.80	-7.80	-10.30	-10.29

802.11b_Nss1,(1Mbps)_2TX PSD

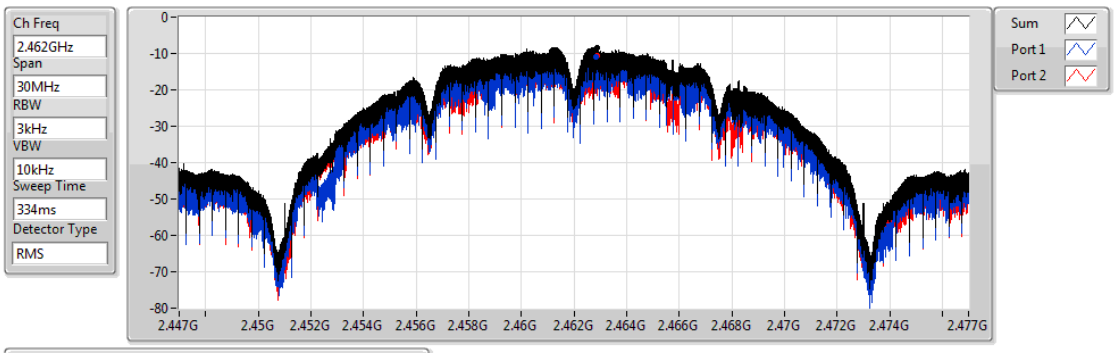
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.51	-6.51	-9.77	-8.81

802.11b_Nss1,(1Mbps)_2TX PSD

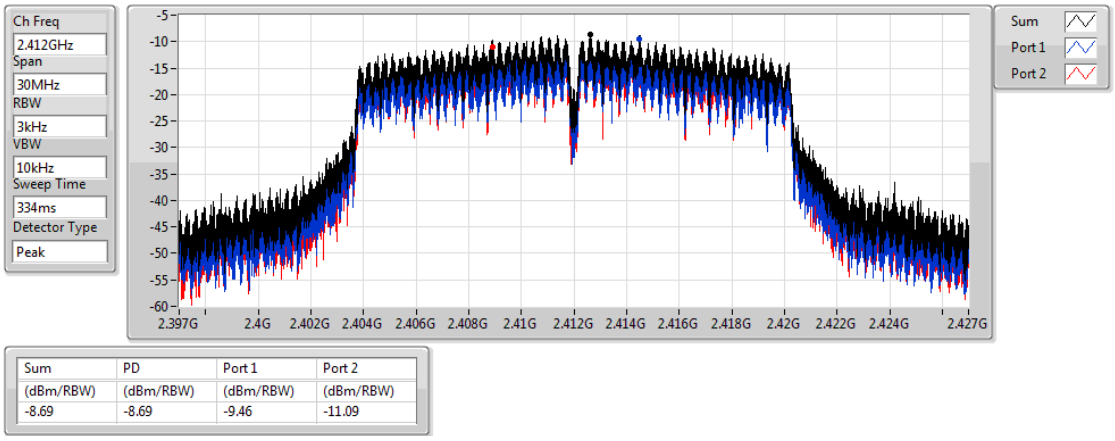
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.33	-8.33	-11.01	-10.50

802.11g_Nss1,(6Mbps)_2TX PSD

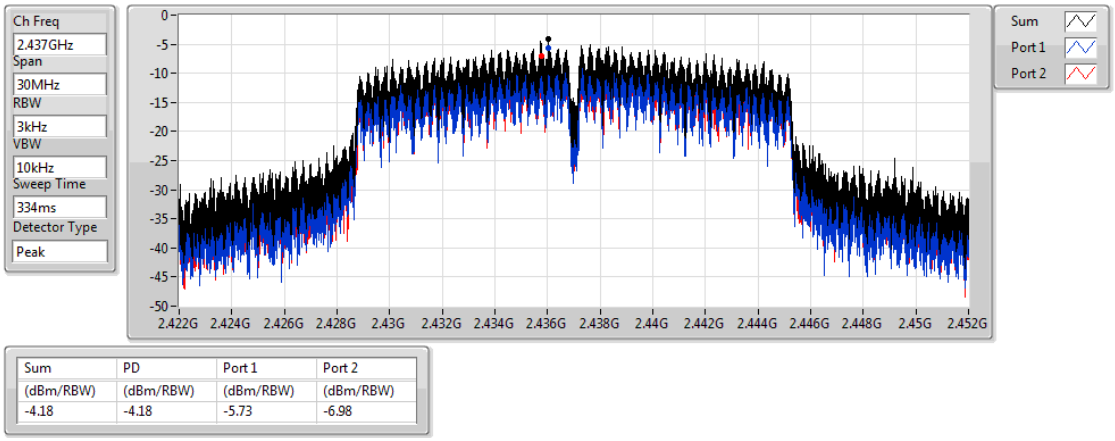
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.69	-8.69	-9.46	-11.09

802.11g_Nss1,(6Mbps)_2TX PSD

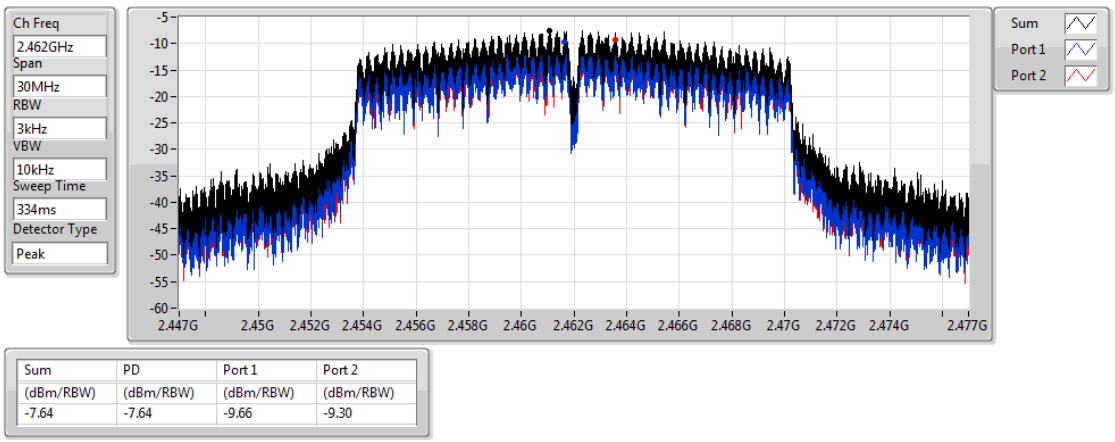
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.18	-4.18	-5.73	-6.98

802.11g_Nss1,(6Mbps)_2TX PSD

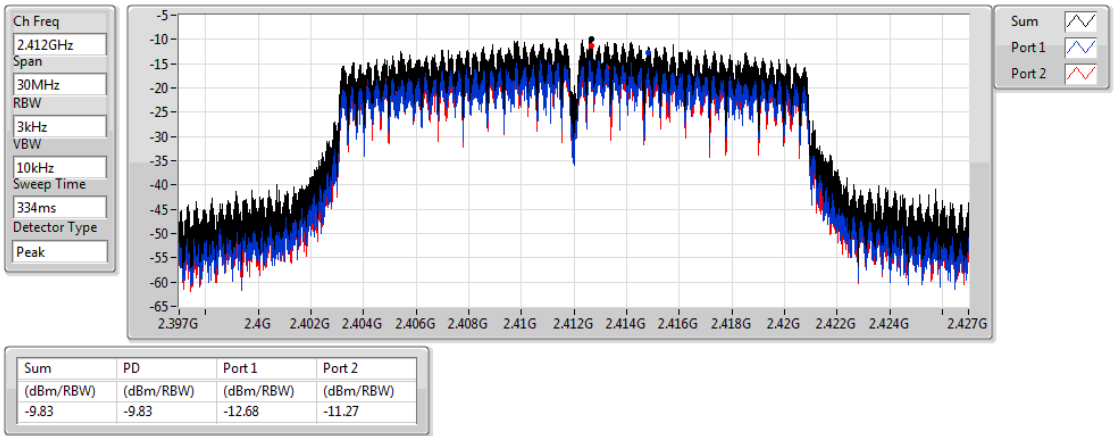
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.64	-7.64	-9.66	-9.30

802.11n HT20_Nss1,(MCS0)_2TX PSD

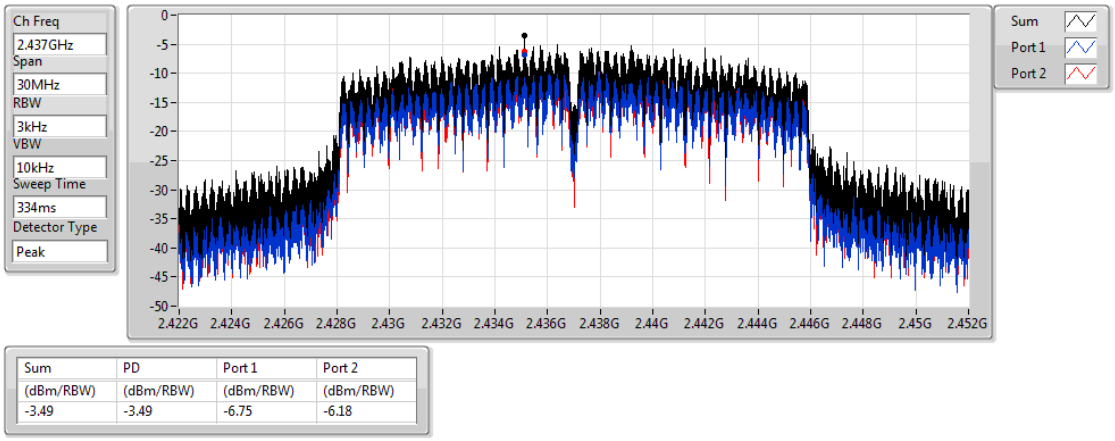
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.83	-9.83	-12.68	-11.27

802.11n HT20_Nss1,(MCS0)_2TX PSD

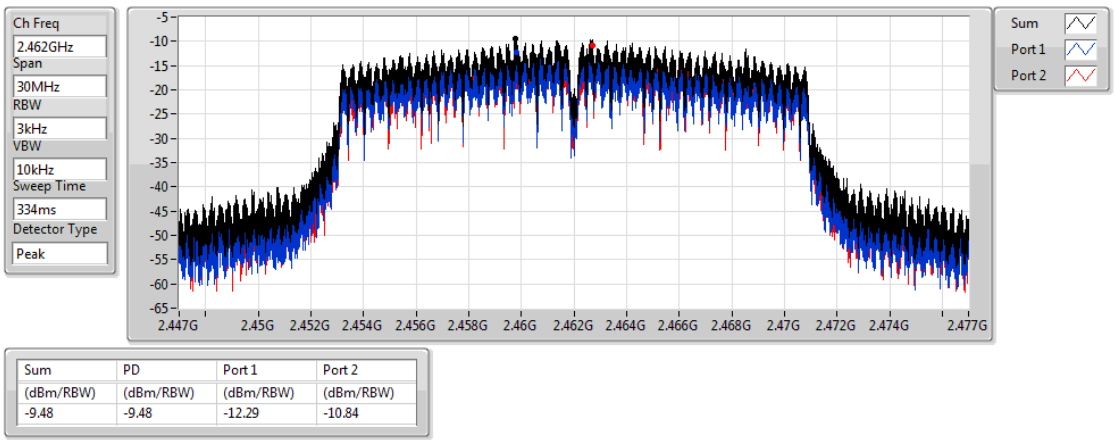
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.49	-3.49	-6.75	-6.18

802.11n HT20_Nss1,(MCS0)_2TX PSD

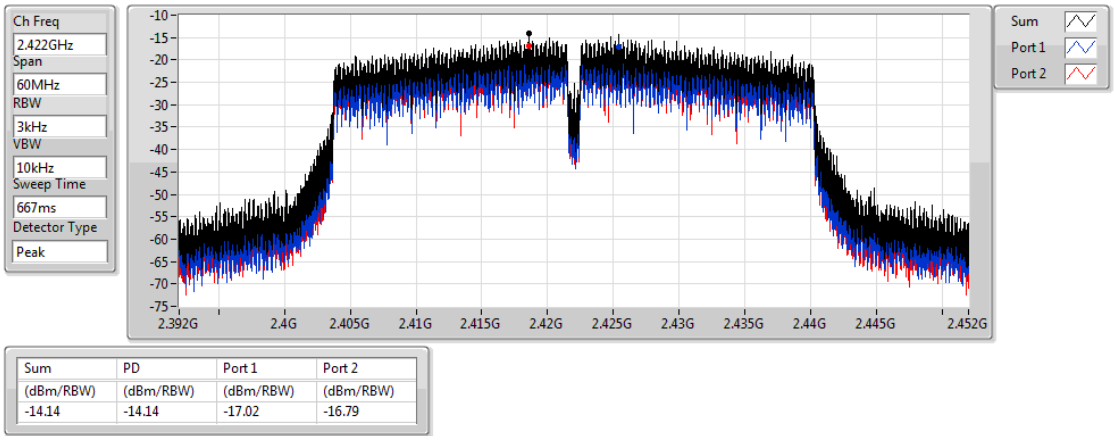
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.48	-9.48	-12.29	-10.84

802.11n HT40_Nss1,(MCS0)_2TX PSD

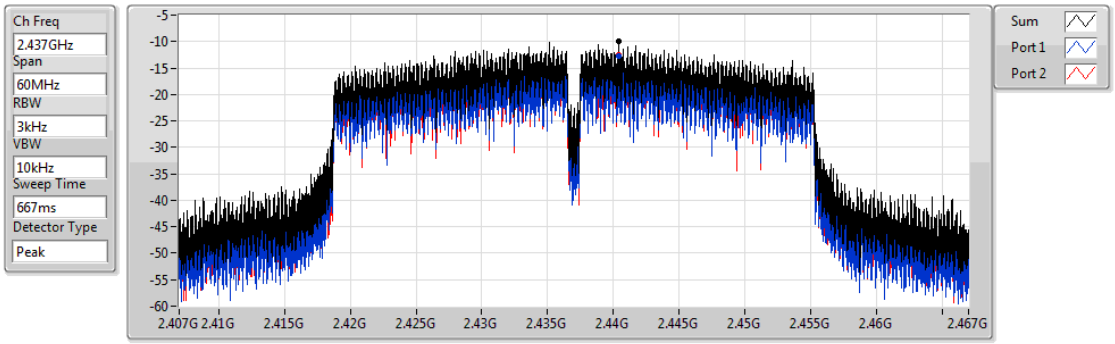
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.14	-14.14	-17.02	-16.79

802.11n HT40_Nss1,(MCS0)_2TX PSD

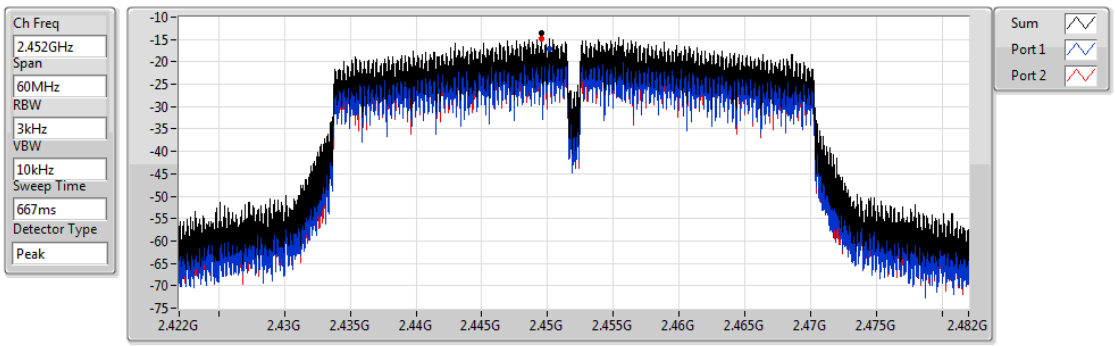
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.84	-9.84	-12.82	-12.58

802.11n HT40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.60	-13.60	-17.15	-14.79

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)_2TX	Pass	2.436406G	11.83	-18.17	2.30175G	-62.14	2.39808G	-19.14	2.4899G	-55.76	7.235136G	-49.73	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.441917G	8.66	-21.34	479.69M	-55.54	2.39984G	-25.46	2.5007G	-52.01	7.229517G	-55.24	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.438243G	8.75	-21.25	479.69M	-58.89	2.39992G	-27.41	2.51326G	-52.65	15.315438G	-55.20	1
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.434569G	3.77	-26.23	2.309695G	-56.68	2.39952G	-30.86	2.48478G	-45.96	15.015758G	-55.80	1

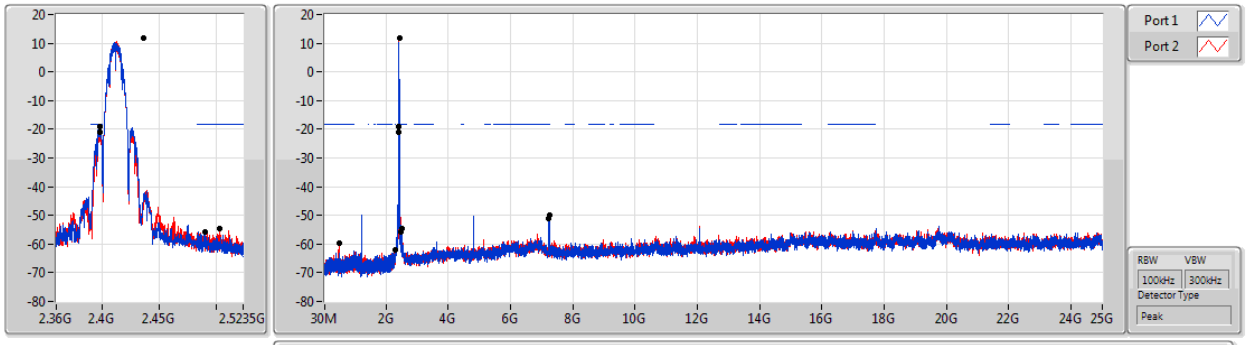
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.436406G	11.83	-18.17	2.30175G	-62.14	2.39808G	-19.14	2.4899G	-55.76	7.235136G	-49.73	1
2412MHz	Pass	2.436406G	11.83	-18.17	479.69M	-59.65	2.39856G	-21.04	2.5027G	-54.54	7.232327G	-51.00	2
2437MHz	Pass	2.436406G	11.83	-18.17	2.300585G	-62.15	2.39904G	-51.94	2.48494G	-53.74	17.697947G	-55.26	1
2437MHz	Pass	2.436406G	11.83	-18.17	2.305245G	-62.19	2.39904G	-39.60	2.48446G	-41.75	17.093891G	-55.15	2
2462MHz	Pass	2.436406G	11.83	-18.17	479.69M	-62.13	2.39904G	-57.12	2.48798G	-48.27	17.672661G	-55.98	1
2462MHz	Pass	2.436406G	11.83	-18.17	479.69M	-58.22	2.39352G	-54.48	2.48894G	-42.40	15.054149G	-55.78	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.441917G	8.66	-21.34	2.30641G	-57.40	2.39736G	-26.39	2.48846G	-53.80	24.985952G	-55.99	1
2412MHz	Pass	2.441917G	8.66	-21.34	479.69M	-55.54	2.39984G	-25.46	2.5007G	-52.01	7.229517G	-55.24	2
2437MHz	Pass	2.441917G	8.66	-21.34	479.69M	-58.65	2.3932G	-50.37	2.48734G	-49.73	15.034482G	-54.23	1
2437MHz	Pass	2.441917G	8.66	-21.34	479.69M	-55.46	2.39488G	-49.50	2.48478G	-49.70	15.04853G	-55.16	2
2462MHz	Pass	2.441917G	8.66	-21.34	479.69M	-59.10	2.39448G	-51.90	2.48414G	-41.43	24.893237G	-55.19	1
2462MHz	Pass	2.441917G	8.66	-21.34	479.69M	-54.84	2.39552G	-51.70	2.48382G	-37.40	2.5235G	-55.06	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	8.75	-21.25	479.69M	-58.89	2.39992G	-27.41	2.51326G	-52.65	15.315438G	-55.20	1
2412MHz	Pass	2.438243G	8.75	-21.25	479.69M	-56.23	2.39928G	-27.51	2.48446G	-51.77	24.505517G	-55.24	2
2437MHz	Pass	2.438243G	8.75	-21.25	479.69M	-57.27	2.39704G	-48.83	2.48574G	-50.03	24.154322G	-55.31	1
2437MHz	Pass	2.438243G	8.75	-21.25	479.69M	-55.31	2.39864G	-46.32	2.48574G	-46.23	24.890427G	-55.04	2
2462MHz	Pass	2.438243G	8.75	-21.25	479.69M	-60.10	2.39176G	-53.42	2.48358G	-44.29	16.576932G	-55.80	1
2462MHz	Pass	2.438243G	8.75	-21.25	479.69M	-56.35	2.39096G	-53.34	2.4839G	-43.25	2.537548G	-55.58	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.434569G	3.77	-26.23	479.985M	-56.64	2.3992G	-37.77	2.48446G	-53.23	17.694115G	-55.47	1
2422MHz	Pass	2.434569G	3.77	-26.23	479.985M	-52.05	2.39952G	-39.12	2.49662G	-54.86	24.203504G	-55.32	2
2437MHz	Pass	2.434569G	3.77	-26.23	2.309695G	-56.68	2.39952G	-30.86	2.48478G	-45.96	15.015758G	-55.80	1
2437MHz	Pass	2.434569G	3.77	-26.23	479.985M	-53.04	2.39888G	-33.28	2.48942G	-43.14	17.696919G	-55.60	2
2452MHz	Pass	2.434569G	3.77	-26.23	479.985M	-56.75	2.39616G	-54.86	2.4851G	-45.33	15.060631G	-54.09	1
2452MHz	Pass	2.434569G	3.77	-26.23	479.985M	-52.59	2.39456G	-53.45	2.48446G	-45.40	24.604557G	-55.15	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

2412MHz

25/08/2018

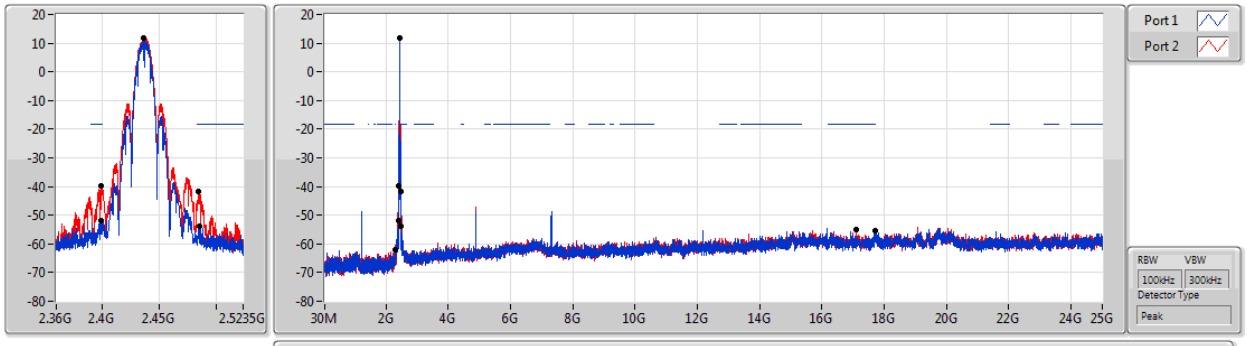


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	11.83	-18.17	2.30175G	-62.14	2.39808G	-19.14	2.4899G	-55.76	7.235136G	-49.73	1
2.436406G	11.83	-18.17	479.69M	-59.65	2.39856G	-21.04	2.5027G	-54.54	7.232327G	-51.00	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

2437MHz

25/08/2018

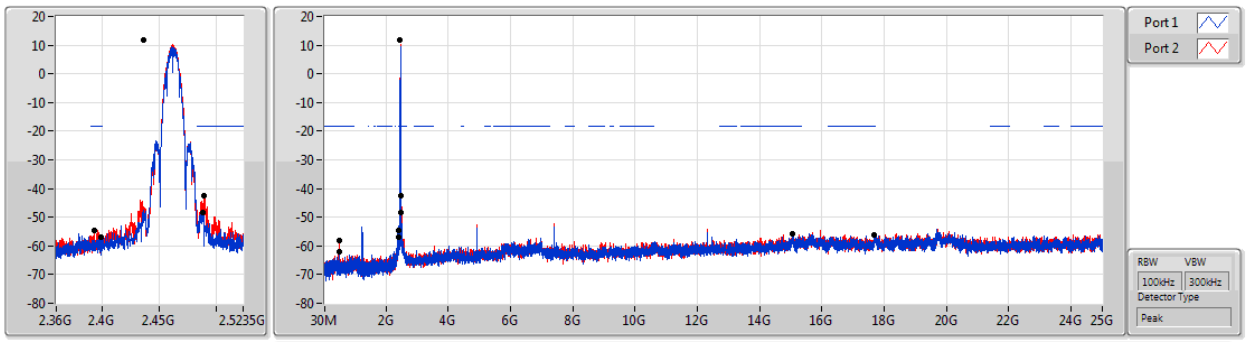


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	11.83	-18.17	2.300585G	-62.15	2.39904G	-51.94	2.48494G	-53.74	17.697947G	-55.26	1
2.436406G	11.83	-18.17	2.305245G	-62.19	2.39904G	-39.60	2.48446G	-41.75	17.093891G	-55.15	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

2462MHz

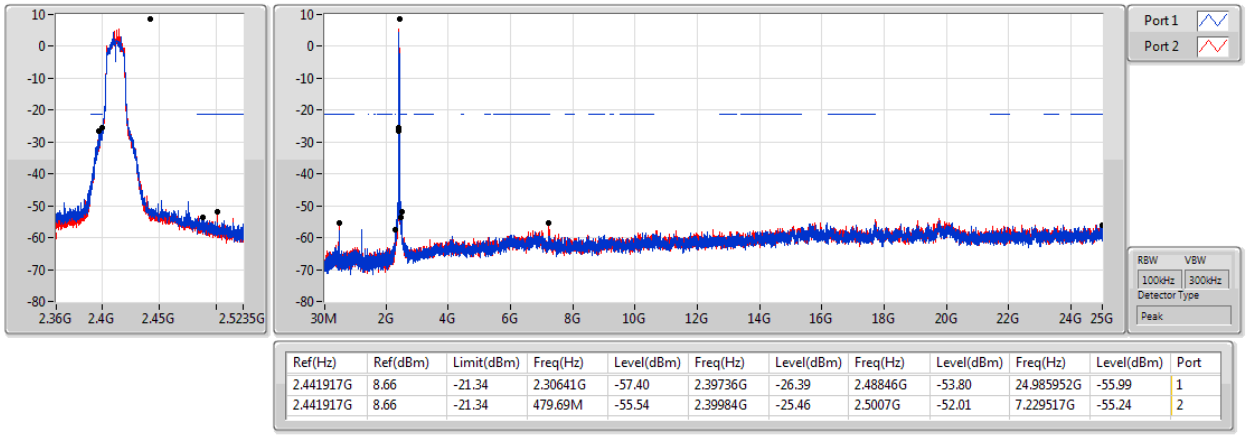
25/08/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436406G	11.83	-18.17	479.69M	-62.13	2.39904G	-57.12	2.48798G	-48.27	17.672661G	-55.98	1
2.436406G	11.83	-18.17	479.69M	-58.22	2.39352G	-54.48	2.48894G	-42.40	15.054149G	-55.78	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

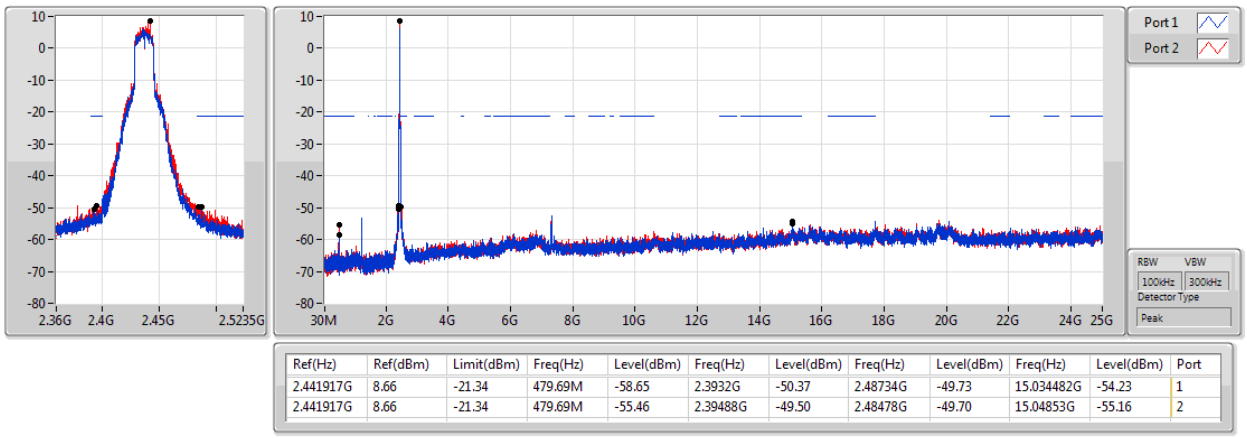
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	8.66	-21.34	2.30641G	-57.40	2.39736G	-26.39	2.48846G	-53.80	24.985952G	-55.99	1
2.441917G	8.66	-21.34	479.69M	-55.54	2.39984G	-25.46	2.5007G	-52.01	7.229517G	-55.24	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

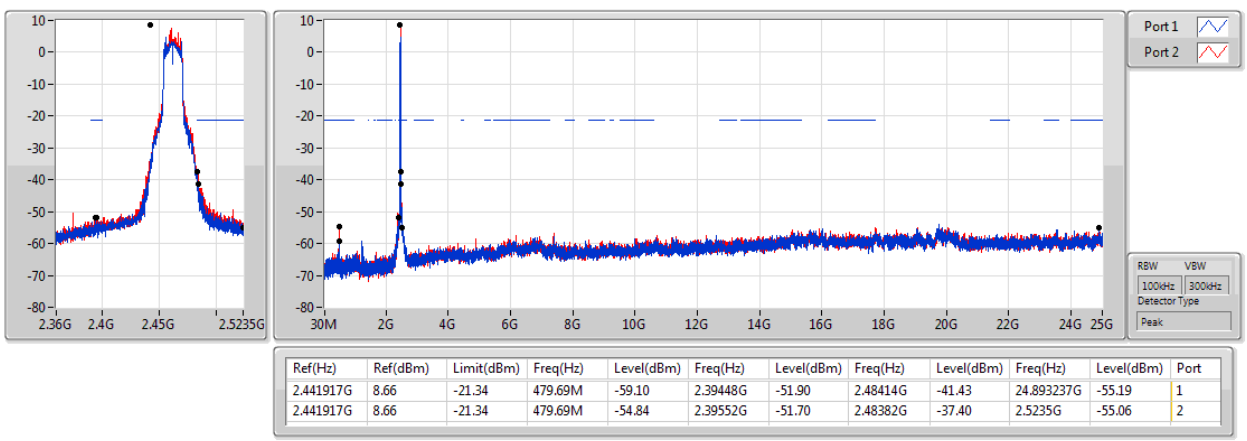
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	8.66	-21.34	479.69M	-58.65	2.3932G	-50.37	2.48734G	-49.73	15.034482G	-54.23	1
2.441917G	8.66	-21.34	479.69M	-55.46	2.39488G	-49.50	2.48478G	-49.70	15.04853G	-55.16	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

2462MHz

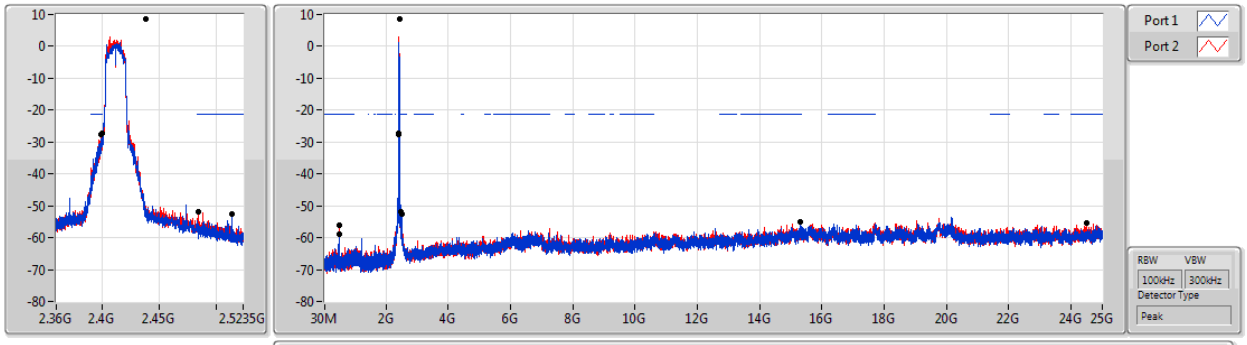


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	8.66	-21.34	479.69M	-59.10	2.39448G	-51.90	2.48414G	-41.43	24.893237G	-55.19	1
2.441917G	8.66	-21.34	479.69M	-54.84	2.39552G	-51.70	2.48382G	-37.40	2.5235G	-55.06	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

2412MHz

25/08/2018

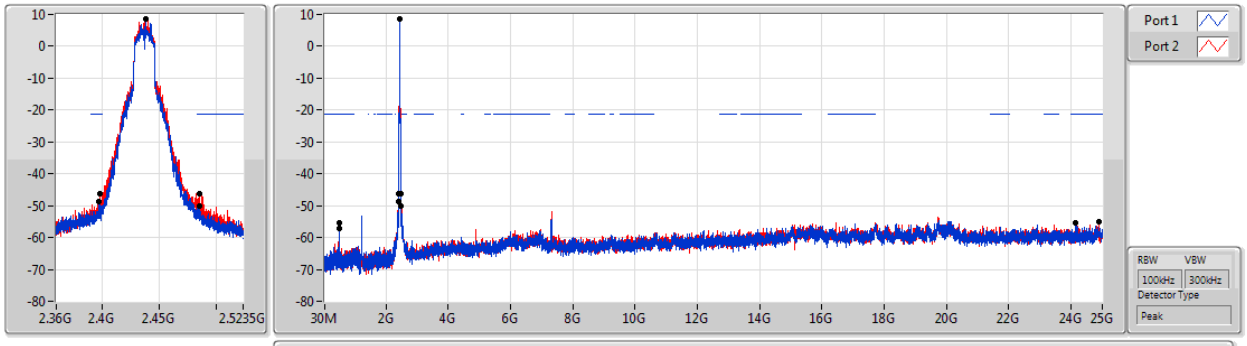


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	8.75	-21.25	479.69M	-58.89	2.39992G	-27.41	2.51326G	-52.65	15.315438G	-55.20	1
2.438243G	8.75	-21.25	479.69M	-56.23	2.39928G	-27.51	2.48446G	-51.77	24.505517G	-55.24	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

2437MHz

25/08/2018

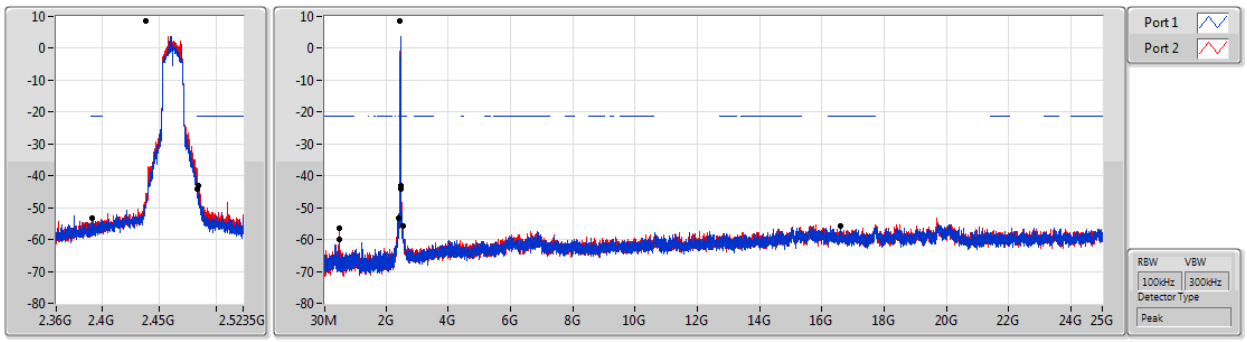


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	8.75	-21.25	479.69M	-57.27	2.39704G	-48.83	2.48574G	-50.03	24.154322G	-55.31	1
2.438243G	8.75	-21.25	479.69M	-55.31	2.39864G	-46.32	2.48574G	-46.23	24.890427G	-55.04	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

2462MHz

25/08/2018

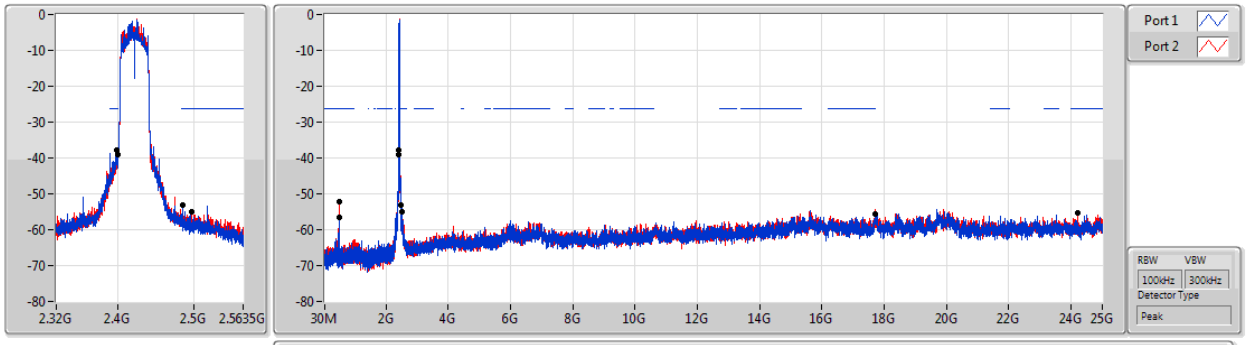


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	8.75	-21.25	479.69M	-60.10	2.39176G	-53.42	2.48358G	-44.29	16.576932G	-55.80	1
2.438243G	8.75	-21.25	479.69M	-56.35	2.39096G	-53.34	2.4839G	-43.25	2.537548G	-55.58	2

802.11n HT40_Nss1,(MCS0)_2TX CSE NdB

2422MHz

25/08/2018

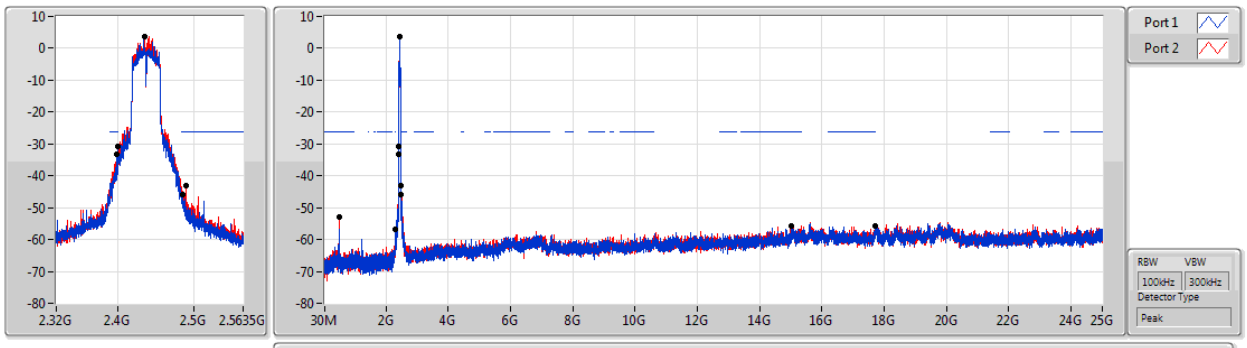


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434569G	3.77	-26.23	479.985M	-56.64	2.3992G	-37.77	2.48446G	-53.23	17.694115G	-55.47	1
2.434569G	3.77	-26.23	479.985M	-52.05	2.39952G	-39.12	2.49662G	-54.86	24.203504G	-55.32	2

802.11n HT40_Nss1,(MCS0)_2TX CSE NdB

2437MHz

25/08/2018

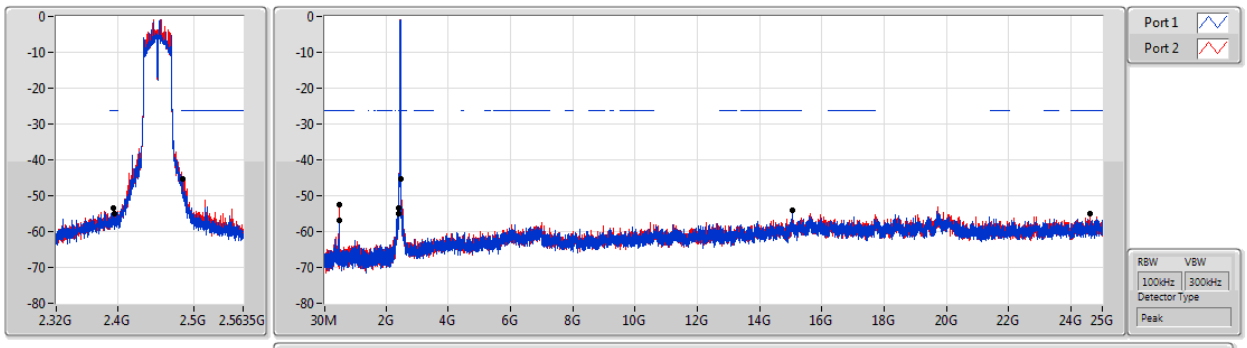


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434569G	3.77	-26.23	2.309695G	-56.68	2.39952G	-30.86	2.48478G	-45.96	15.015758G	-55.80	1
2.434569G	3.77	-26.23	479.985M	-53.04	2.39888G	-33.28	2.48942G	-43.14	17.696919G	-55.60	2

802.11n HT40_Nss1,(MCS0)_2TX CSE NdB

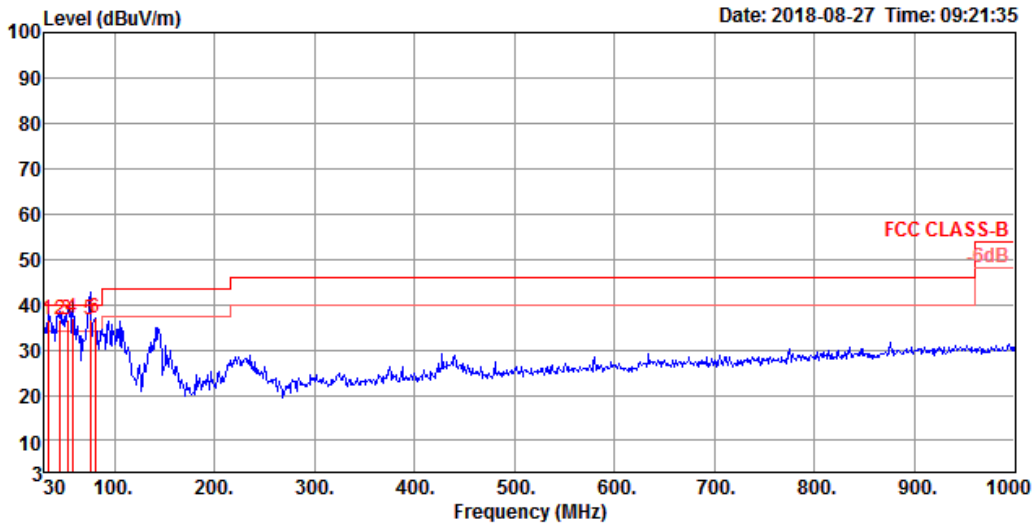
2452MHz

25/08/2018



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.434569G	3.77	-26.23	479.985M	-56.75	2.39616G	-54.86	2.4851G	-45.33	15.060631G	-54.09	1
2.434569G	3.77	-26.23	479.985M	-52.59	2.39456G	-53.45	2.48446G	-45.40	24.604557G	-55.15	2

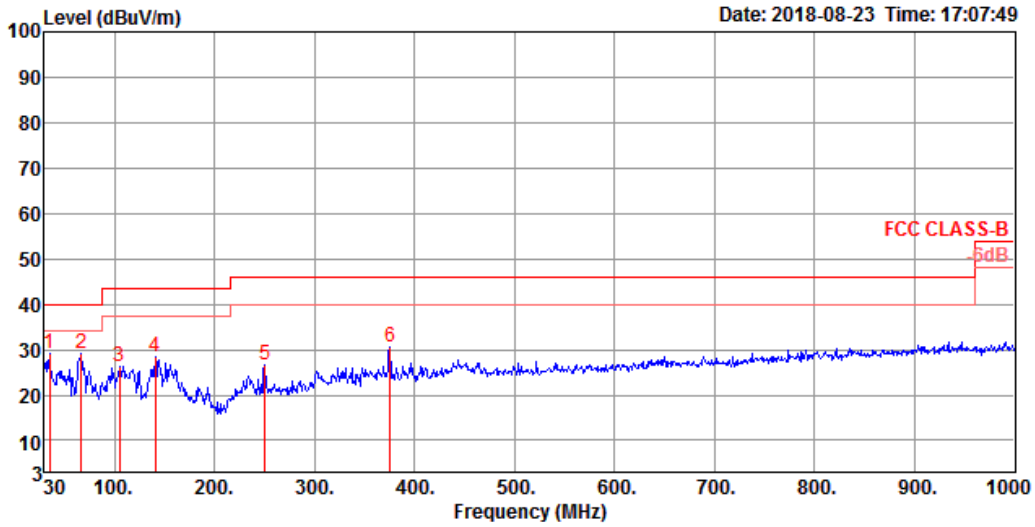
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	Normal Link		



	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	33.88	36.65	40.00	-3.35	44.08	0.72	23.39	31.54	100	166	QP	VERTICAL
2	45.52	36.64	40.00	-3.36	50.75	0.82	16.78	31.71	100	263	QP	VERTICAL
3	53.28	36.72	40.00	-3.28	53.57	0.89	14.04	31.78	100	148	QP	VERTICAL
4	58.13	36.92	40.00	-3.08	54.83	0.92	12.98	31.81	100	157	QP	VERTICAL
5	75.59	36.54	40.00	-3.46	54.33	1.05	13.01	31.85	100	346	QP	VERTICAL
6	80.44	36.85	40.00	-3.15	54.26	1.09	13.36	31.86	125	83	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	34.85	29.24	40.00	-10.76	37.22	0.72	22.87	31.57	100	150	Peak	HORIZONTAL
2	66.86	28.95	40.00	-11.05	47.19	0.99	12.60	31.83	100	155	Peak	HORIZONTAL
3	104.69	26.31	43.50	-17.19	39.33	1.24	17.61	31.87	200	65	Peak	HORIZONTAL
4	140.58	28.52	43.50	-14.98	41.22	1.44	17.75	31.89	200	281	Peak	HORIZONTAL
5	250.19	26.57	46.00	-19.43	37.74	1.91	18.90	31.98	100	75	Peak	HORIZONTAL
6	375.32	30.65	46.00	-15.35	38.55	2.33	21.88	32.11	100	200	Peak	HORIZONTAL

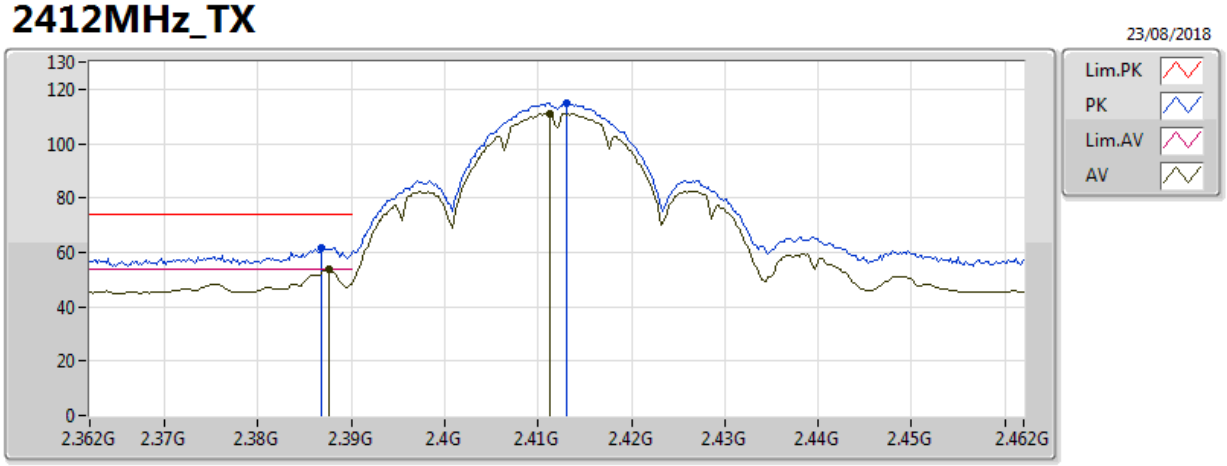
Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

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	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	2.3898G	53.99	54.00	-0.01	32.14	3	Vertical	28	1.84	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

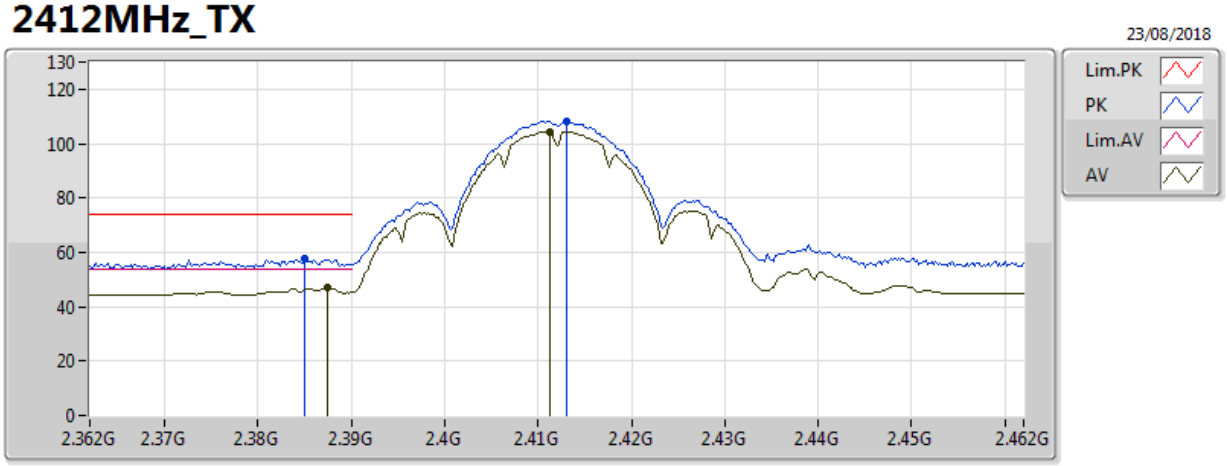


EUT Z_2TX
Setting 2A
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3868G	61.51	74.00	-12.49	32.13	3	Vertical	8	1.95	-
AV	2.3876G	53.63	54.00	-0.37	32.13	3	Vertical	8	1.95	-
PK	2.413G	115.00	Inf	-Inf	32.21	3	Vertical	8	1.95	-
AV	2.4112G	110.96	Inf	-Inf	32.20	3	Vertical	8	1.95	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

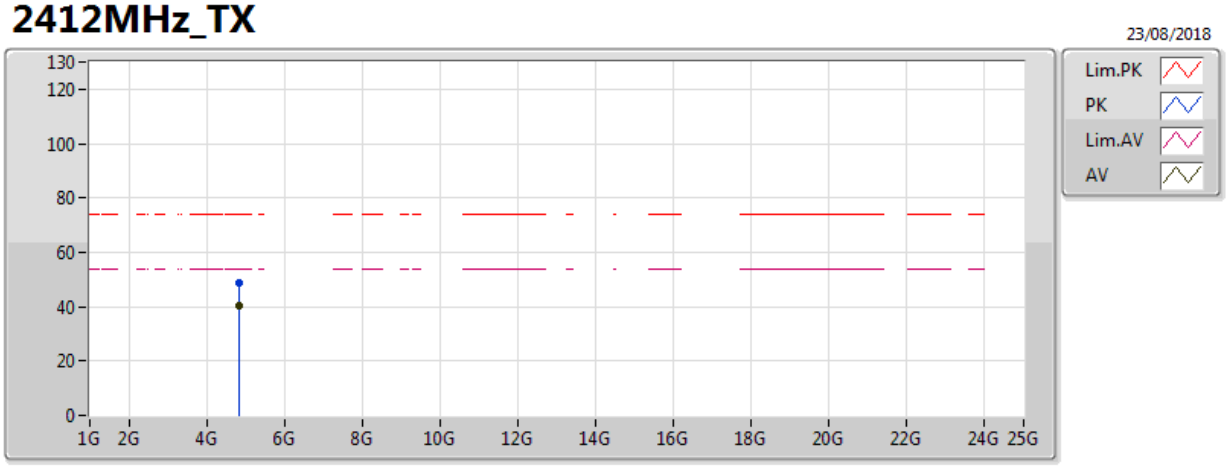


EUT Z_2TX
Setting 2A
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.385G	57.47	74.00	-16.53	32.13	3	Horizontal	180	1.10	-
AV	2.3874G	46.80	54.00	-7.20	32.13	3	Horizontal	180	1.10	-
PK	2.413G	108.30	Inf	-Inf	32.21	3	Horizontal	180	1.10	-
AV	2.4112G	104.38	Inf	-Inf	32.20	3	Horizontal	180	1.10	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

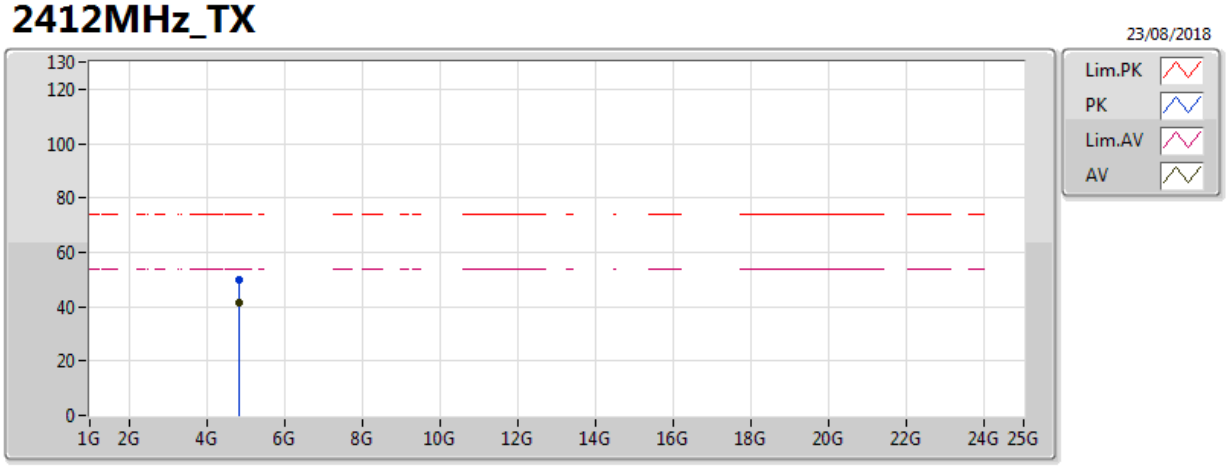


EUT Z_2TX
Setting 2A
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82417G	48.80	74.00	-25.20	6.55	3	Vertical	104	1.96	-
AV	4.82407G	40.56	54.00	-13.44	6.55	3	Vertical	104	1.96	-

802.11b_Nss1,(1Mbps)_2TX

2412MHz_TX

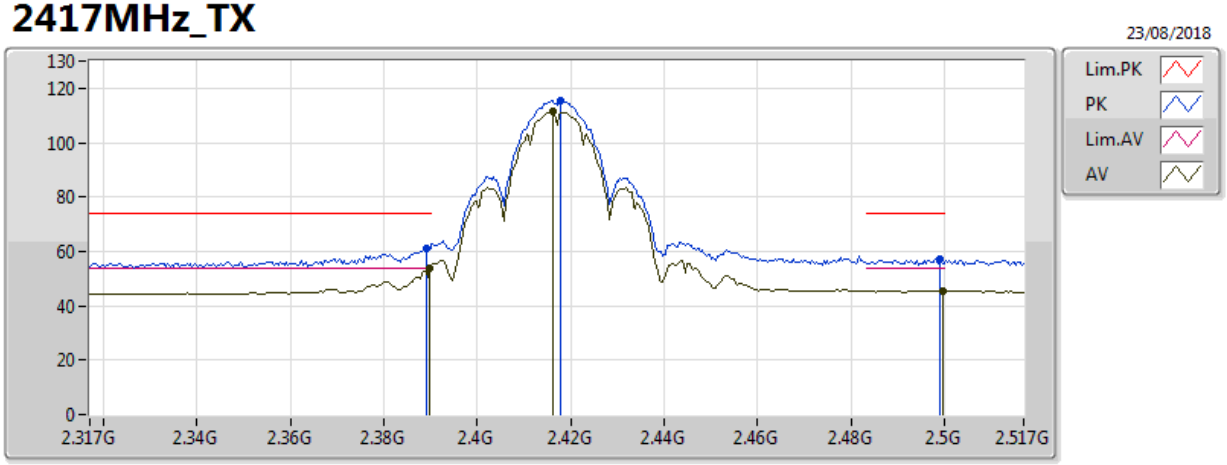


EUT Z_2TX
Setting 2A
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.823932G	49.98	74.00	-24.02	6.55	3	Horizontal	217	2.90	-
AV	4.824032G	41.25	54.00	-12.75	6.55	3	Horizontal	217	2.90	-

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

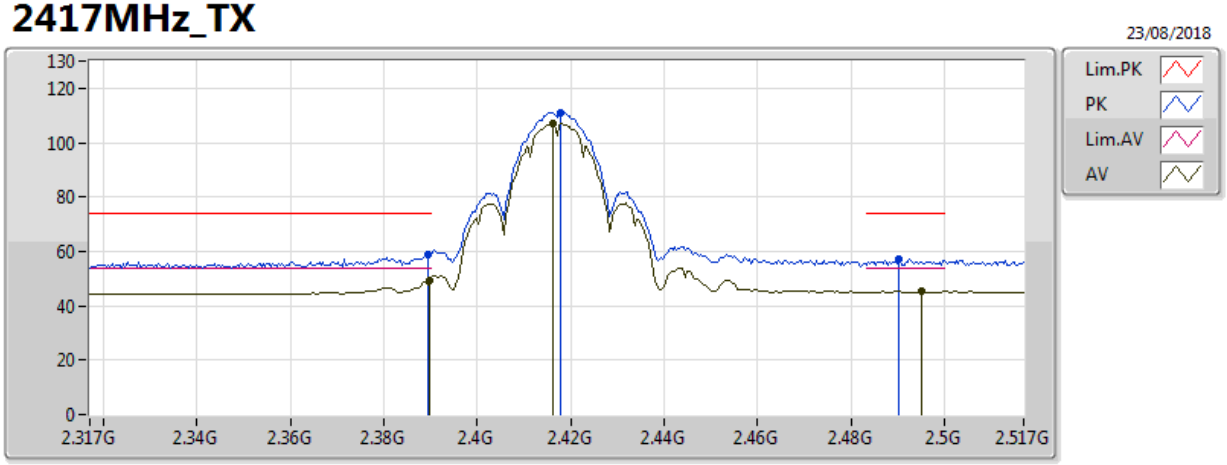


EUT Z_2TX
Setting 2B
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	61.11	74.00	-12.89	32.13	3	Vertical	28	1.84	-
AV	2.3898G	53.99	54.00	-0.01	32.14	3	Vertical	28	1.84	-
PK	2.4178G	115.59	Inf	-Inf	32.22	3	Vertical	28	1.84	-
AV	2.4162G	111.38	Inf	-Inf	32.22	3	Vertical	28	1.84	-
PK	2.499G	56.97	74.00	-17.03	32.47	3	Vertical	28	1.84	-
AV	2.4998G	45.40	54.00	-8.60	32.47	3	Vertical	28	1.84	-

802.11b_Nss1,(1Mbps)_2TX

2417MHz_TX

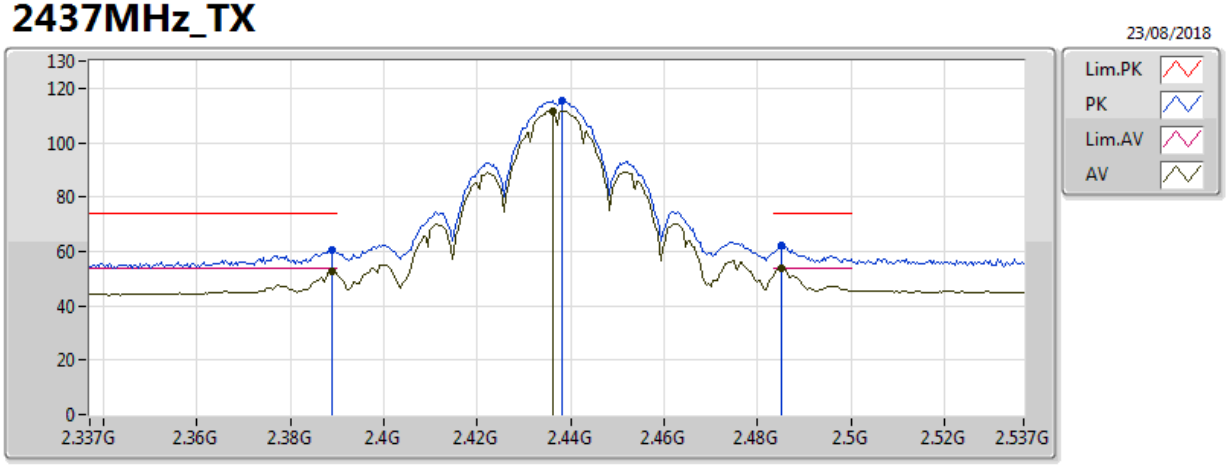


EUT Z_2TX
Setting 2B
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	58.71	74.00	-15.29	32.14	3	Horizontal	177	1.00	-
AV	2.3898G	49.42	54.00	-4.58	32.14	3	Horizontal	177	1.00	-
PK	2.4178G	111.19	Inf	-Inf	32.22	3	Horizontal	177	1.00	-
AV	2.4162G	107.07	Inf	-Inf	32.22	3	Horizontal	177	1.00	-
PK	2.4902G	57.31	74.00	-16.69	32.45	3	Horizontal	177	1.00	-
AV	2.495G	45.17	54.00	-8.83	32.46	3	Horizontal	177	1.00	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

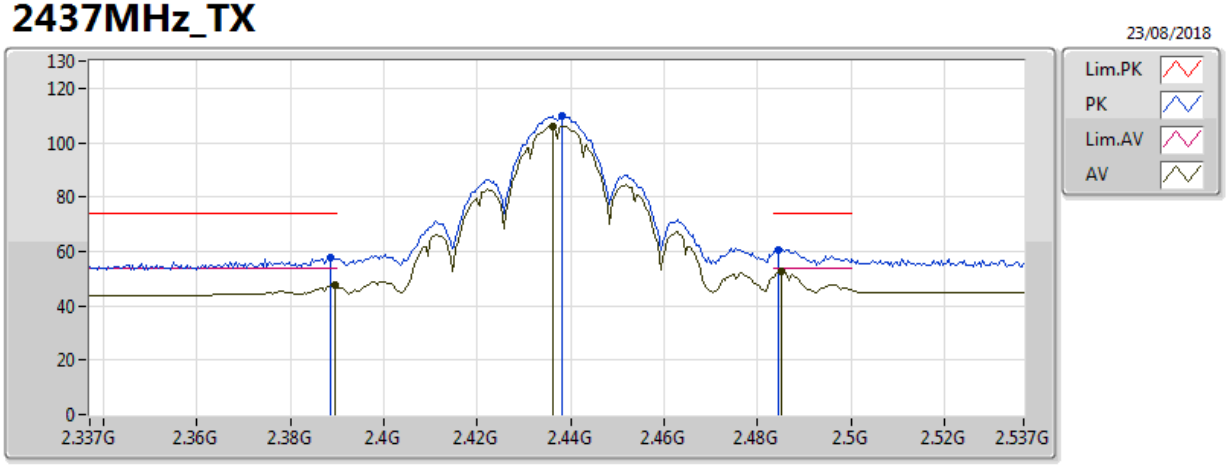


EUT Z_2TX
Setting 2B
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	60.31	74.00	-13.69	32.13	3	Vertical	19	2.25	-
AV	2.389G	52.66	54.00	-1.34	32.13	3	Vertical	19	2.25	-
PK	2.4382G	115.53	Inf	-Inf	32.29	3	Vertical	19	2.25	-
AV	2.4362G	111.55	Inf	-Inf	32.28	3	Vertical	19	2.25	-
PK	2.485G	62.18	74.00	-11.82	32.43	3	Vertical	19	2.25	-
AV	2.485G	53.99	54.00	-0.01	32.43	3	Vertical	19	2.25	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

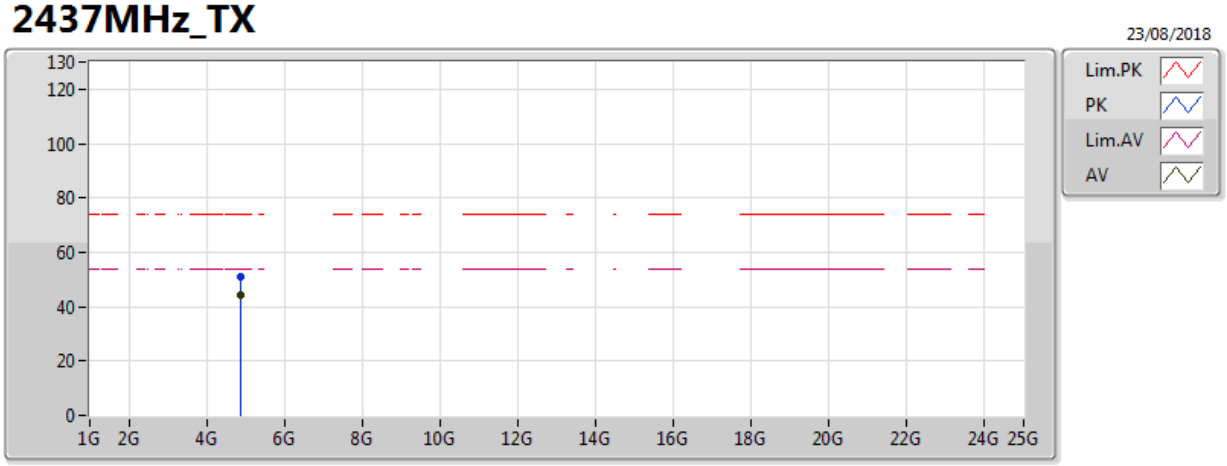


EUT Z_2TX
Setting 2B
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	57.54	74.00	-16.46	32.13	3	Horizontal	62	2.22	-
AV	2.3894G	47.48	54.00	-6.52	32.14	3	Horizontal	62	2.22	-
PK	2.4382G	109.97	Inf	-Inf	32.29	3	Horizontal	62	2.22	-
AV	2.4362G	105.95	Inf	-Inf	32.28	3	Horizontal	62	2.22	-
PK	2.4846G	60.60	74.00	-13.40	32.43	3	Horizontal	62	2.22	-
AV	2.485G	52.60	54.00	-1.40	32.43	3	Horizontal	62	2.22	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

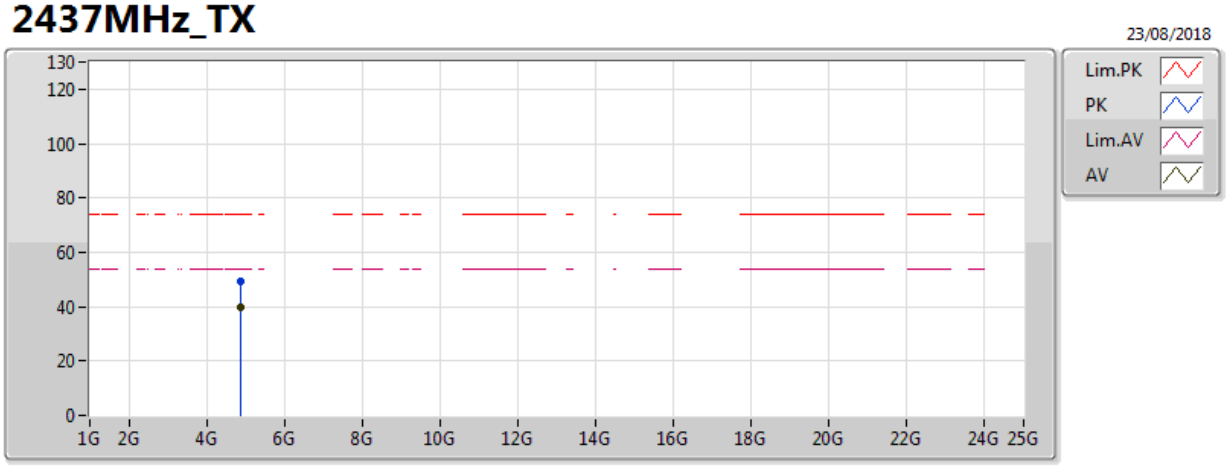


EUT Z_2TX
Setting 2B
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87392G	50.83	74.00	-23.17	6.66	3	Vertical	99	2.03	-
AV	4.87404G	44.40	54.00	-9.60	6.66	3	Vertical	99	2.03	-

802.11b_Nss1,(1Mbps)_2TX

2437MHz_TX

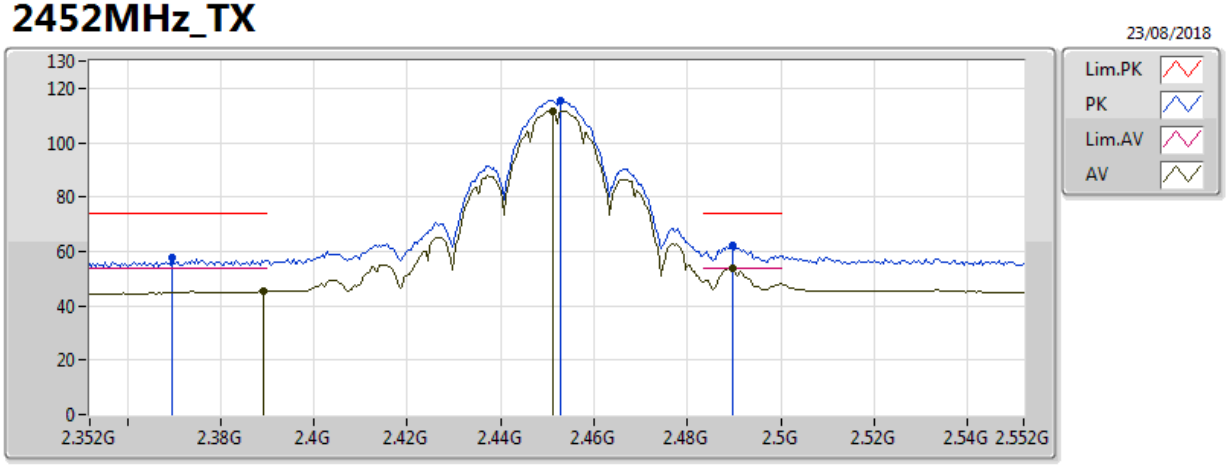


EUT Z_2TX
Setting 2B
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87396G	49.27	74.00	-24.73	6.66	3	Horizontal	154	1.66	-
AV	4.87405G	39.71	54.00	-14.29	6.66	3	Horizontal	154	1.66	-

802.11b_Nss1,(1Mbps)_2TX

2452MHz_TX

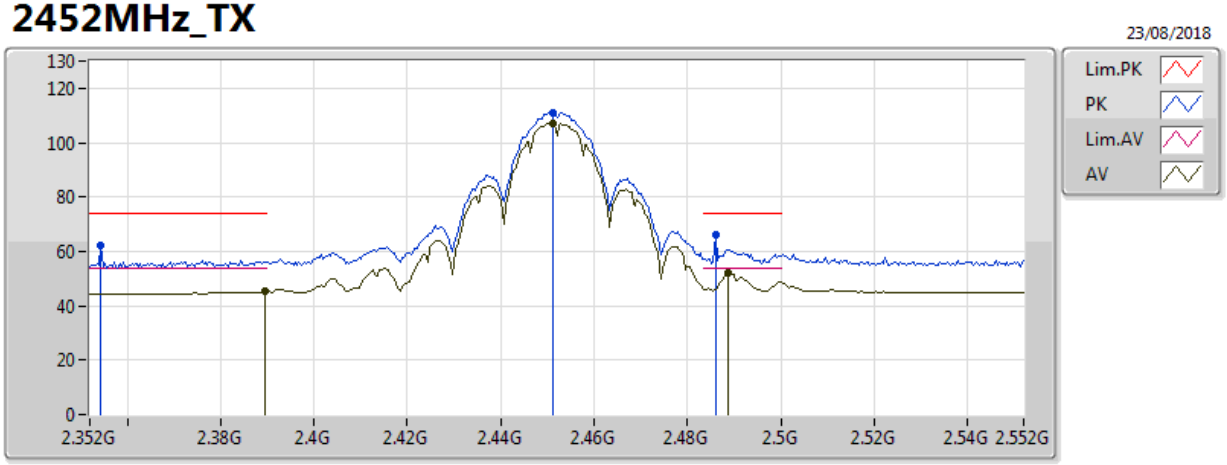


EUT Z_2TX
Setting 2B
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3696G	57.48	74.00	-16.52	32.08	3	Vertical	24	2.23	-
AV	2.3892G	45.43	54.00	-8.57	32.14	3	Vertical	24	2.23	-
PK	2.4528G	115.62	Inf	-Inf	32.33	3	Vertical	24	2.23	-
AV	2.4512G	111.63	Inf	-Inf	32.33	3	Vertical	24	2.23	-
PK	2.4896G	61.96	74.00	-12.04	32.45	3	Vertical	24	2.23	-
AV	2.4896G	53.66	54.00	-0.34	32.45	3	Vertical	24	2.23	-

802.11b_Nss1,(1Mbps)_2TX

2452MHz_TX

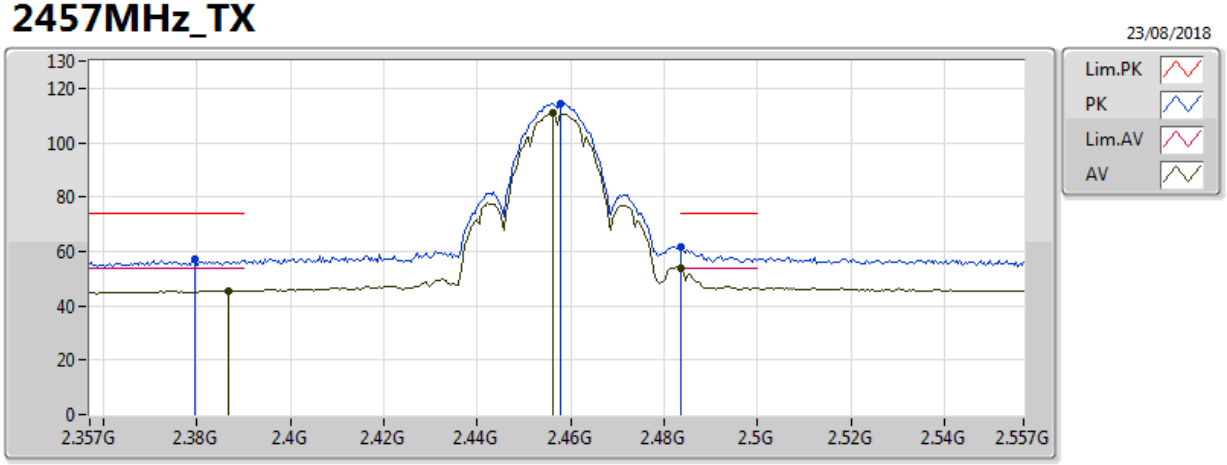


EUT Z_2TX
Setting 2B
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3544G	62.20	74.00	-11.80	32.04	3	Horizontal	180	1.06	-
AV	2.3896G	45.22	54.00	-8.78	32.14	3	Horizontal	180	1.06	-
PK	2.4512G	111.04	Inf	-Inf	32.33	3	Horizontal	180	1.06	-
AV	2.4512G	107.09	Inf	-Inf	32.33	3	Horizontal	180	1.06	-
PK	2.486G	66.12	74.00	-7.88	32.43	3	Horizontal	180	1.06	-
AV	2.4888G	51.92	54.00	-2.08	32.45	3	Horizontal	180	1.06	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

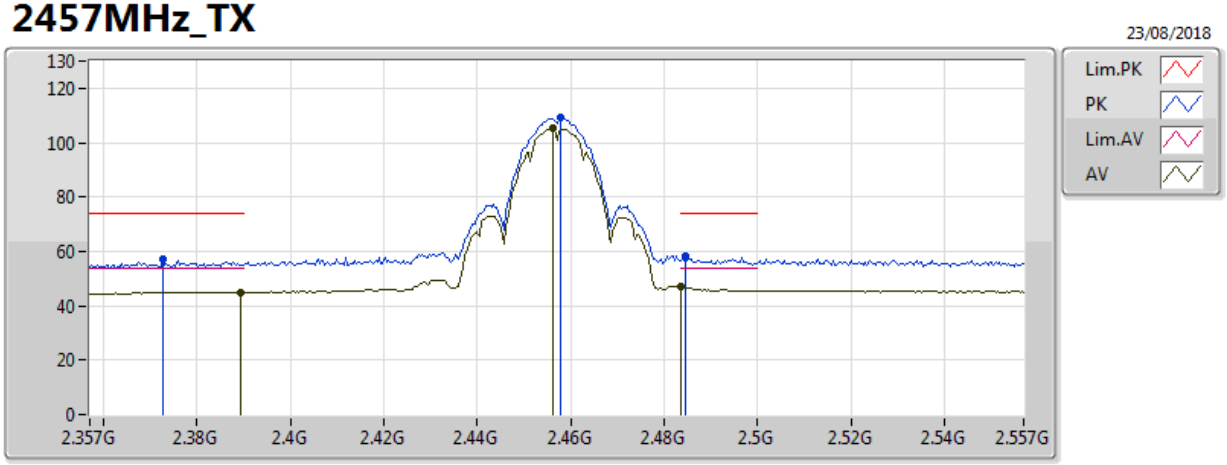


EUT Z_2TX
Setting 27
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3794G	56.92	74.00	-17.08	32.11	3	Vertical	10	1.83	-
AV	2.3866G	45.62	54.00	-8.38	32.13	3	Vertical	10	1.83	-
PK	2.4578G	114.54	Inf	-Inf	32.35	3	Vertical	10	1.83	-
AV	2.4562G	110.69	Inf	-Inf	32.34	3	Vertical	10	1.83	-
PK	2.483502G	61.50	74.00	-12.50	32.42	3	Vertical	10	1.83	-
AV	2.483502G	53.58	54.00	-0.42	32.42	3	Vertical	10	1.83	-

802.11b_Nss1,(1Mbps)_2TX

2457MHz_TX

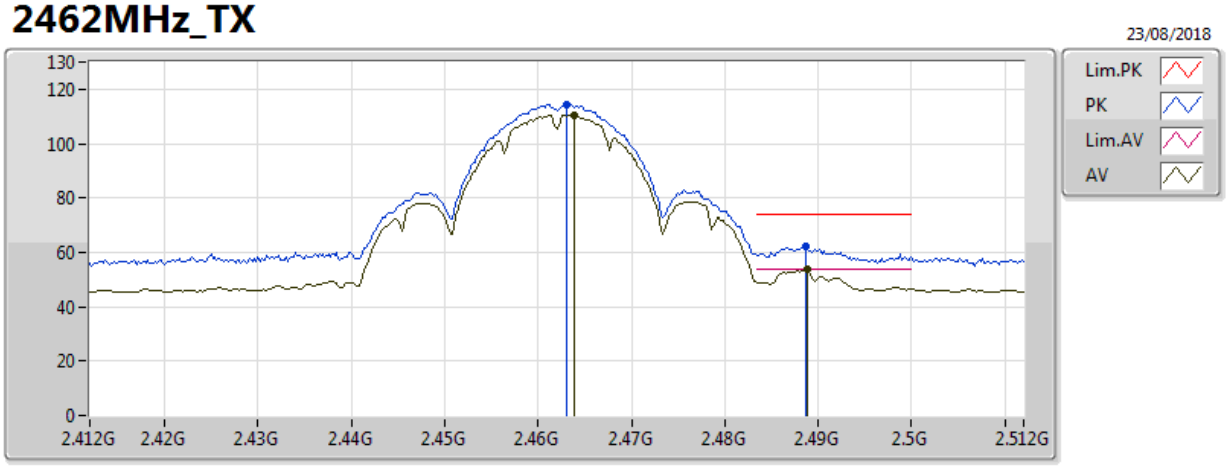


EUT Z_2TX
Setting 27
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3726G	57.02	74.00	-16.98	32.09	3	Horizontal	181	1.01	-
AV	2.3894G	45.01	54.00	-8.99	32.14	3	Horizontal	181	1.01	-
PK	2.4578G	109.01	Inf	-Inf	32.35	3	Horizontal	181	1.01	-
AV	2.4562G	105.18	Inf	-Inf	32.34	3	Horizontal	181	1.01	-
PK	2.4846G	58.27	74.00	-15.73	32.43	3	Horizontal	181	1.01	-
AV	2.483502G	46.91	54.00	-7.09	32.42	3	Horizontal	181	1.01	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

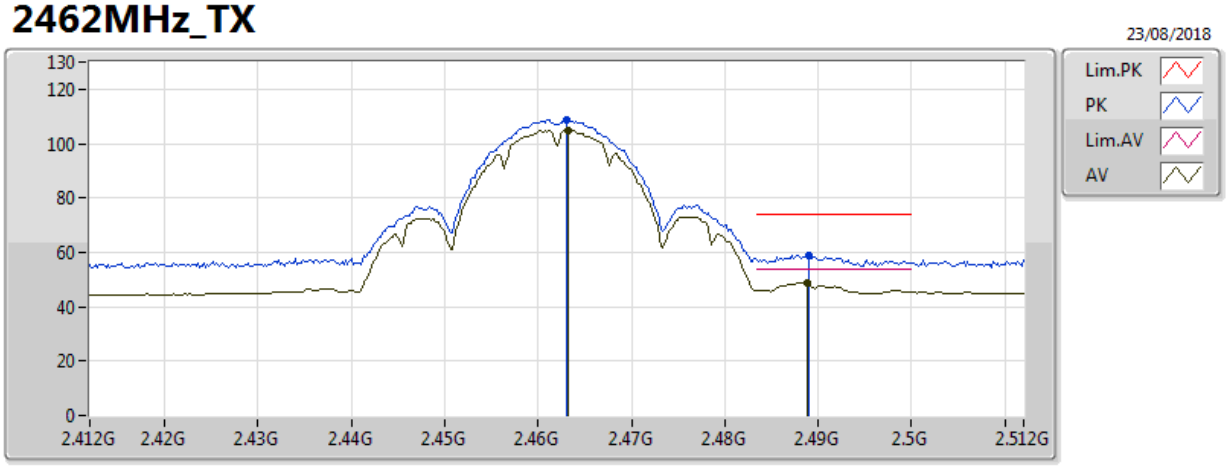


EUT Z_2TX
Setting 27
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	114.55	Inf	-Inf	32.36	3	Vertical	11	1.60	-
AV	2.4638G	110.39	Inf	-Inf	32.36	3	Vertical	11	1.60	-
PK	2.4886G	62.01	74.00	-11.99	32.44	3	Vertical	11	1.60	-
AV	2.4888G	53.62	54.00	-0.38	32.45	3	Vertical	11	1.60	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

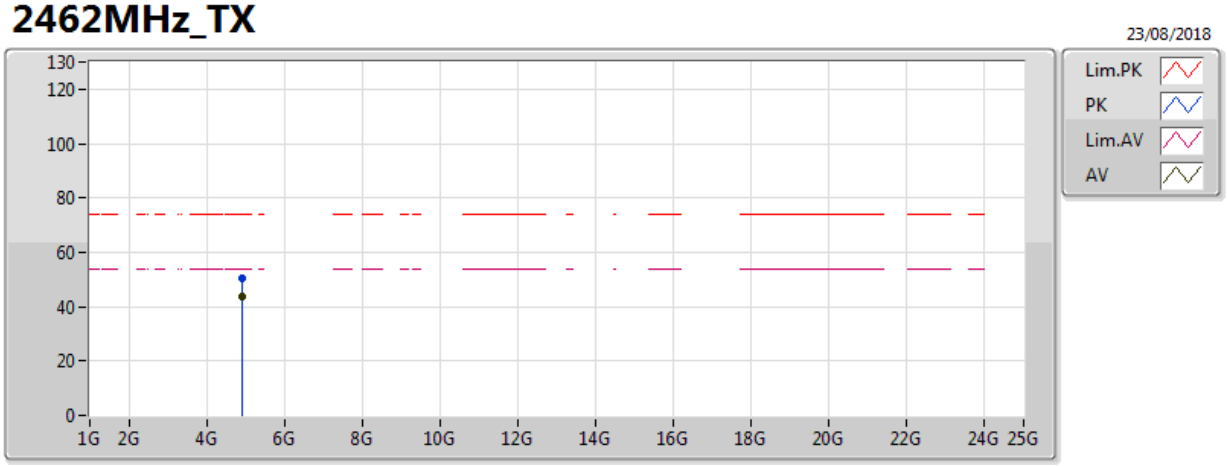


EUT Z_2TX
Setting 27
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	108.81	Inf	-Inf	32.36	3	Horizontal	68	2.99	-
AV	2.4632G	104.62	Inf	-Inf	32.36	3	Horizontal	68	2.99	-
PK	2.489G	58.93	74.00	-15.07	32.45	3	Horizontal	68	2.99	-
AV	2.4888G	48.97	54.00	-5.03	32.45	3	Horizontal	68	2.99	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

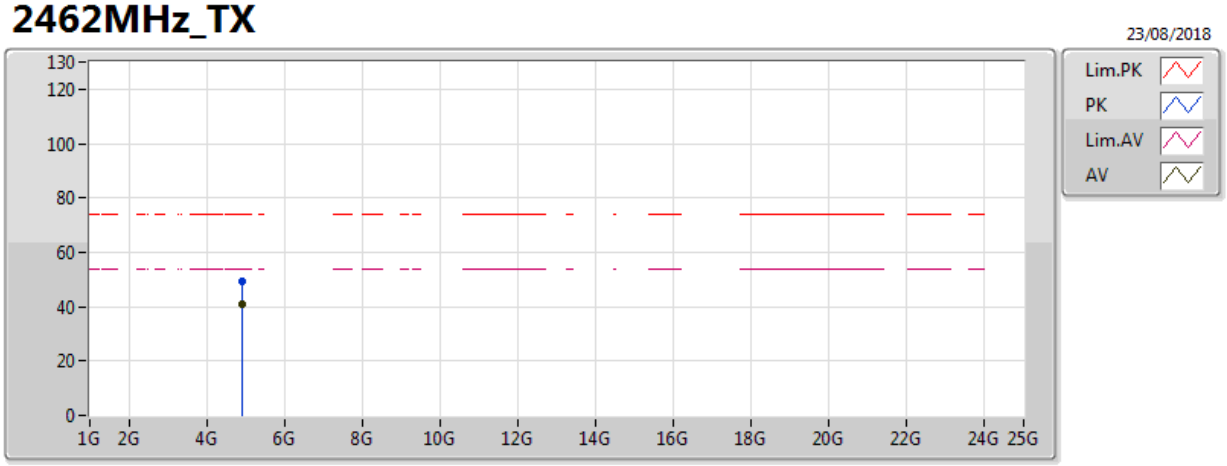


EUT Z_2TX
Setting 27
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.924096G	50.41	74.00	-23.59	6.78	3	Vertical	104	2.12	-
AV	4.924028G	43.52	54.00	-10.48	6.78	3	Vertical	104	2.12	-

802.11b_Nss1,(1Mbps)_2TX

2462MHz_TX

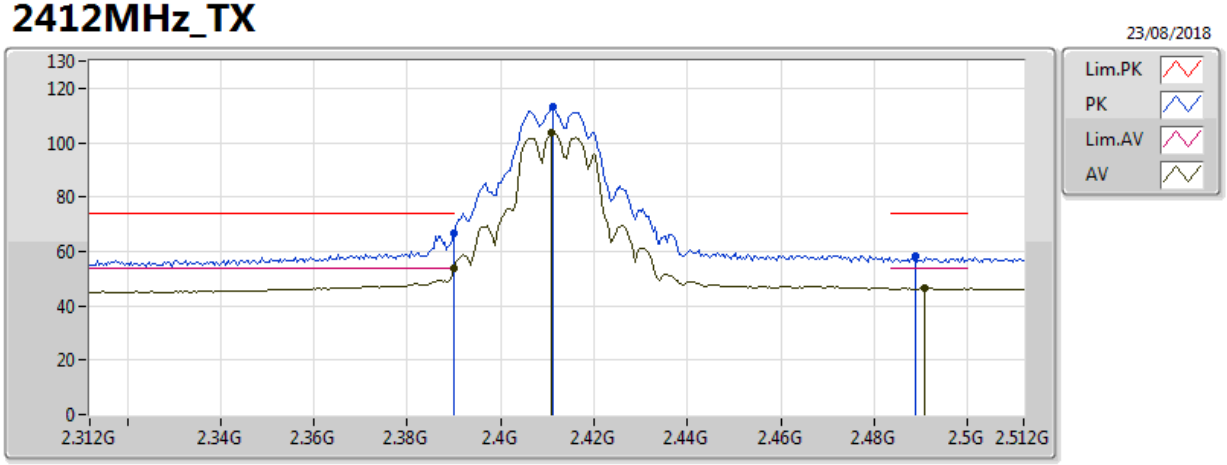


EUT Z_2TX
Setting 27
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.924068G	49.36	74.00	-24.64	6.78	3	Horizontal	203	2.92	-
AV	4.924056G	40.97	54.00	-13.03	6.78	3	Horizontal	203	2.92	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

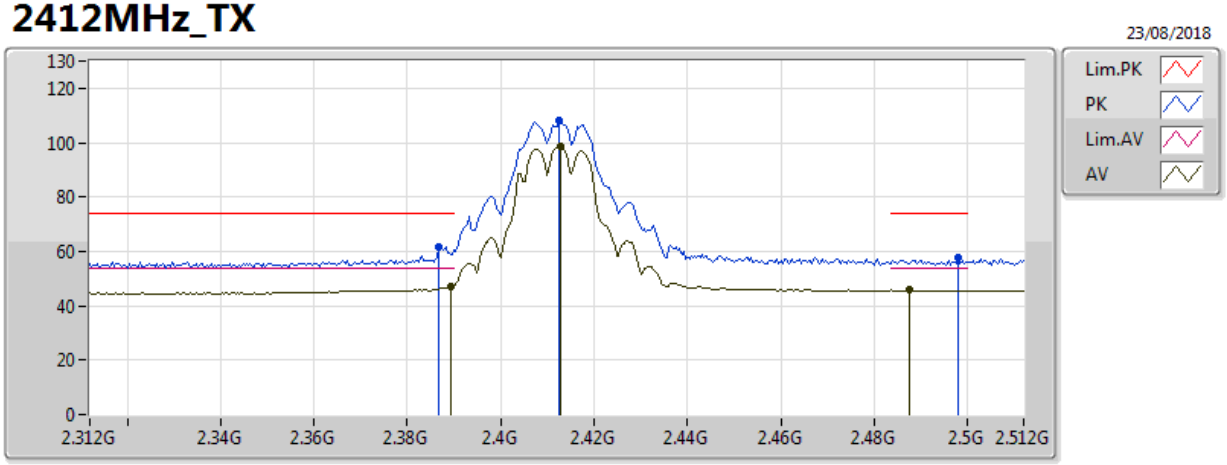


EUT Z_2TX
Setting 1F
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	66.87	74.00	-7.13	32.14	3	Vertical	0	1.13	-
AV	2.389998G	53.66	54.00	-0.34	32.14	3	Vertical	0	1.13	-
PK	2.4112G	113.16	Inf	-Inf	32.20	3	Vertical	0	1.13	-
AV	2.4108G	103.68	Inf	-Inf	32.20	3	Vertical	0	1.13	-
PK	2.4888G	58.02	74.00	-15.98	32.45	3	Vertical	0	1.13	-
AV	2.4908G	46.45	54.00	-7.55	32.45	3	Vertical	0	1.13	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

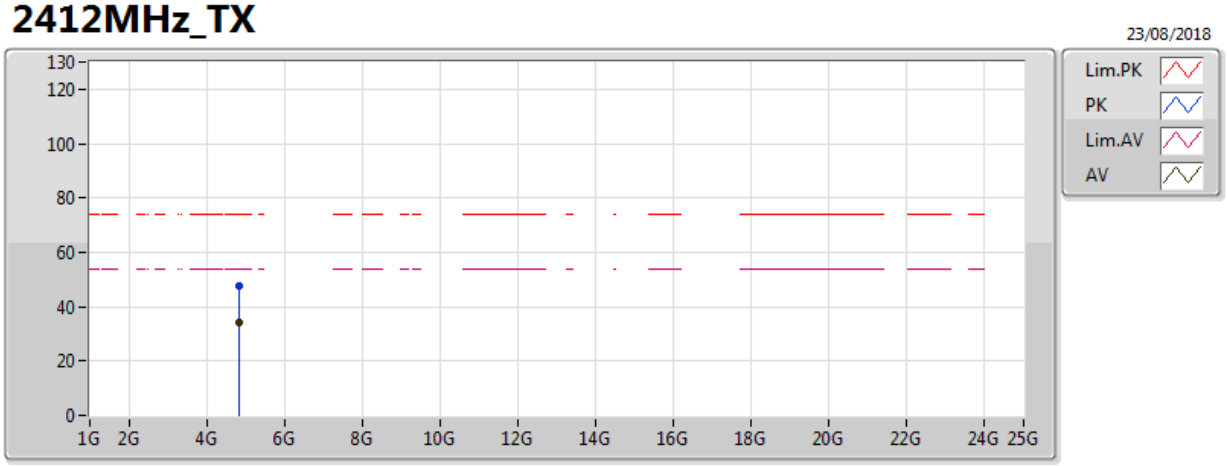


EUT Z_2TX
Setting 1F
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3868G	61.66	74.00	-12.34	32.13	3	Horizontal	177	1.07	-
AV	2.3892G	46.90	54.00	-7.10	32.14	3	Horizontal	177	1.07	-
PK	2.4124G	108.05	Inf	-Inf	32.21	3	Horizontal	177	1.07	-
AV	2.4128G	98.90	Inf	-Inf	32.21	3	Horizontal	177	1.07	-
PK	2.498G	57.46	74.00	-16.54	32.47	3	Horizontal	177	1.07	-
AV	2.4876G	45.70	54.00	-8.30	32.43	3	Horizontal	177	1.07	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

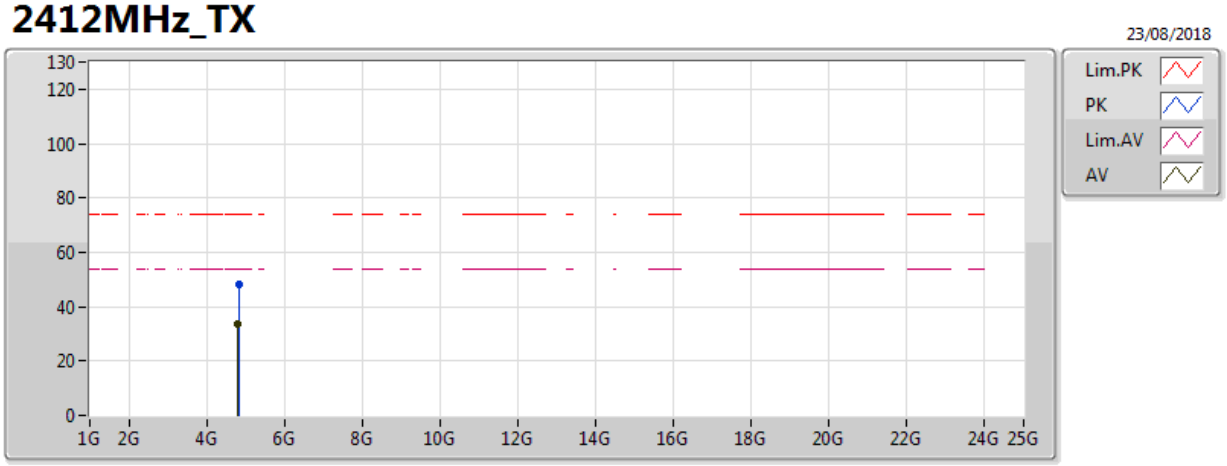


EUT Z_2TX
Setting 1F
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82196G	47.64	74.00	-26.36	6.55	3	Vertical	343	2.17	-
AV	4.82644G	34.14	54.00	-19.86	6.56	3	Vertical	343	2.17	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

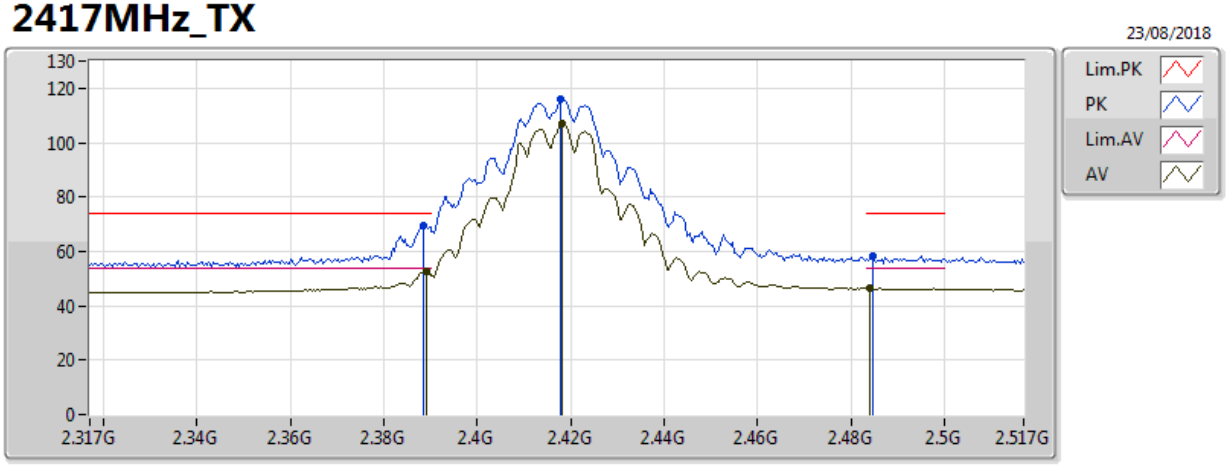


EUT Z_2TX
Setting 1F
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82712G	47.94	74.00	-26.06	6.56	3	Horizontal	114	1.02	-
AV	4.8142G	33.82	54.00	-20.18	6.53	3	Horizontal	114	1.02	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

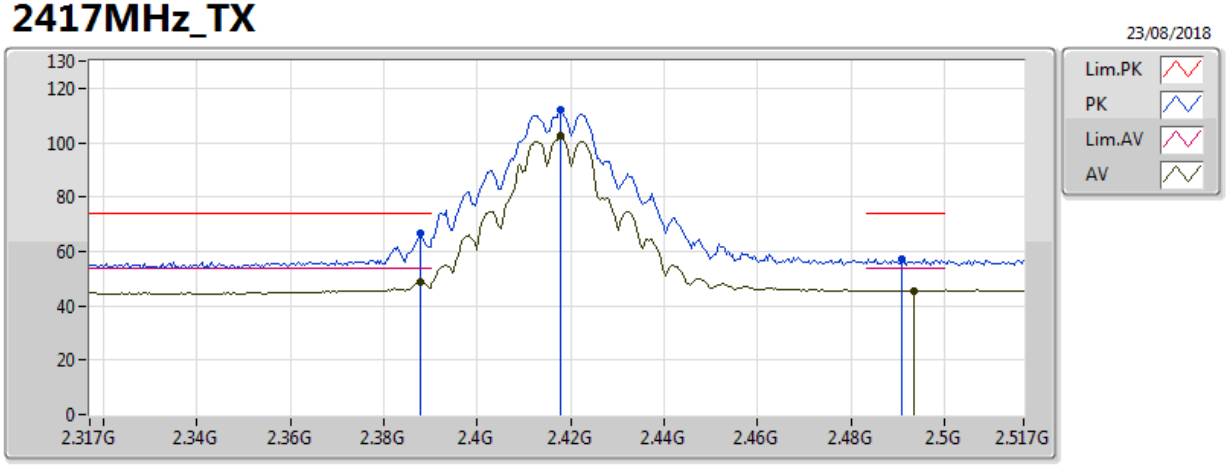


EUT Z_2TX
Setting 28
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	69.59	74.00	-4.41	32.13	3	Vertical	242	1.50	-
AV	2.389G	52.48	54.00	-1.52	32.13	3	Vertical	242	1.50	-
PK	2.4178G	116.20	Inf	-Inf	32.22	3	Vertical	242	1.50	-
AV	2.4182G	106.92	Inf	-Inf	32.23	3	Vertical	242	1.50	-
PK	2.4846G	58.32	74.00	-15.68	32.43	3	Vertical	242	1.50	-
AV	2.4842G	46.38	54.00	-7.62	32.43	3	Vertical	242	1.50	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

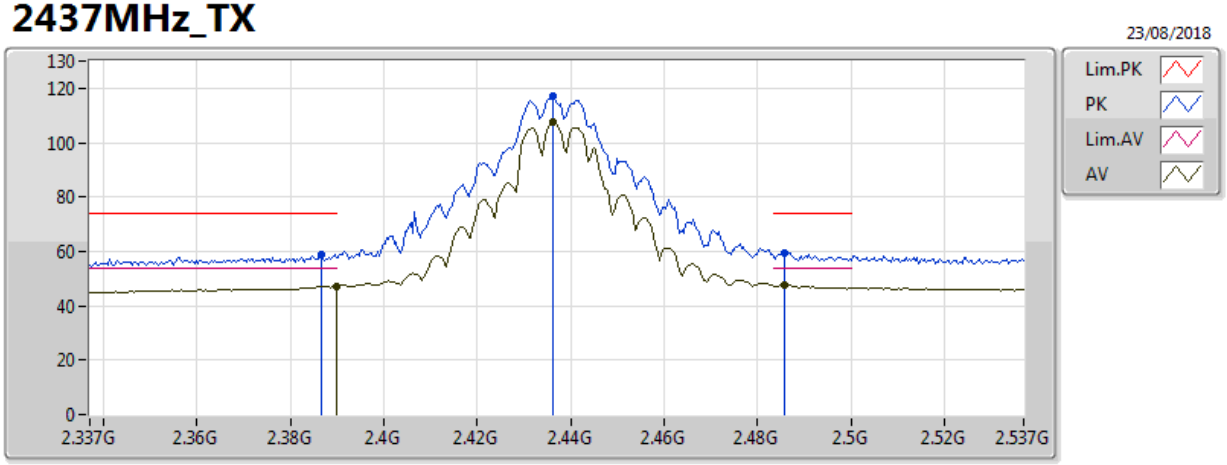


EUT Z_2TX
Setting 28
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3878G	66.61	74.00	-7.39	32.13	3	Horizontal	177	1.01	-
AV	2.3878G	48.87	54.00	-5.13	32.13	3	Horizontal	177	1.01	-
PK	2.4178G	111.87	Inf	-Inf	32.22	3	Horizontal	177	1.01	-
AV	2.4178G	102.29	Inf	-Inf	32.22	3	Horizontal	177	1.01	-
PK	2.491G	57.02	74.00	-16.98	32.45	3	Horizontal	177	1.01	-
AV	2.4934G	45.57	54.00	-8.43	32.46	3	Horizontal	177	1.01	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

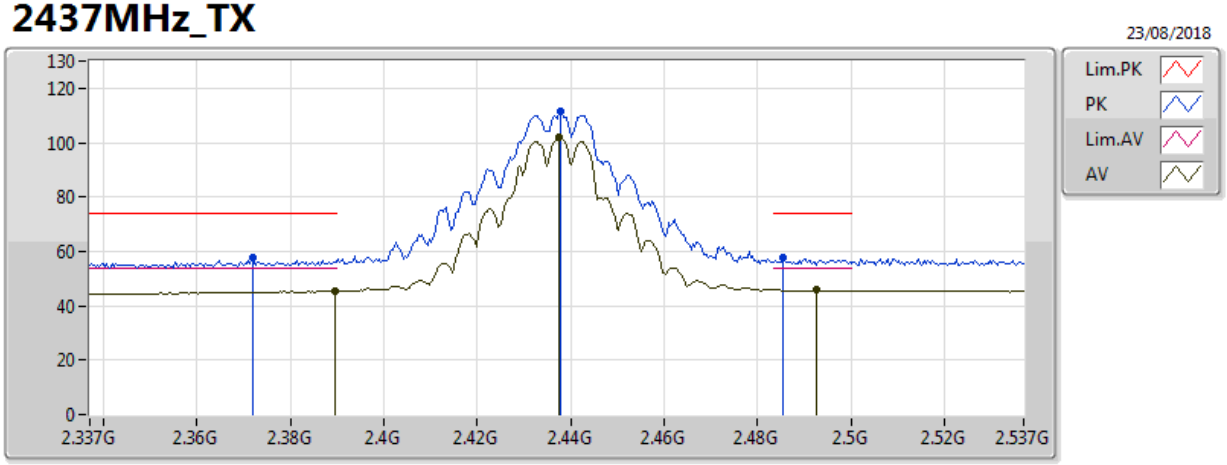


EUT Z_2TX
Setting 28
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3866G	58.69	74.00	-15.31	32.13	3	Vertical	0	1.30	-
AV	2.3898G	47.09	54.00	-6.91	32.14	3	Vertical	0	1.30	-
PK	2.4362G	117.36	Inf	-Inf	32.28	3	Vertical	0	1.30	-
AV	2.4362G	107.59	Inf	-Inf	32.28	3	Vertical	0	1.30	-
PK	2.4858G	59.33	74.00	-14.67	32.43	3	Vertical	0	1.30	-
AV	2.4858G	47.49	54.00	-6.51	32.43	3	Vertical	0	1.30	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

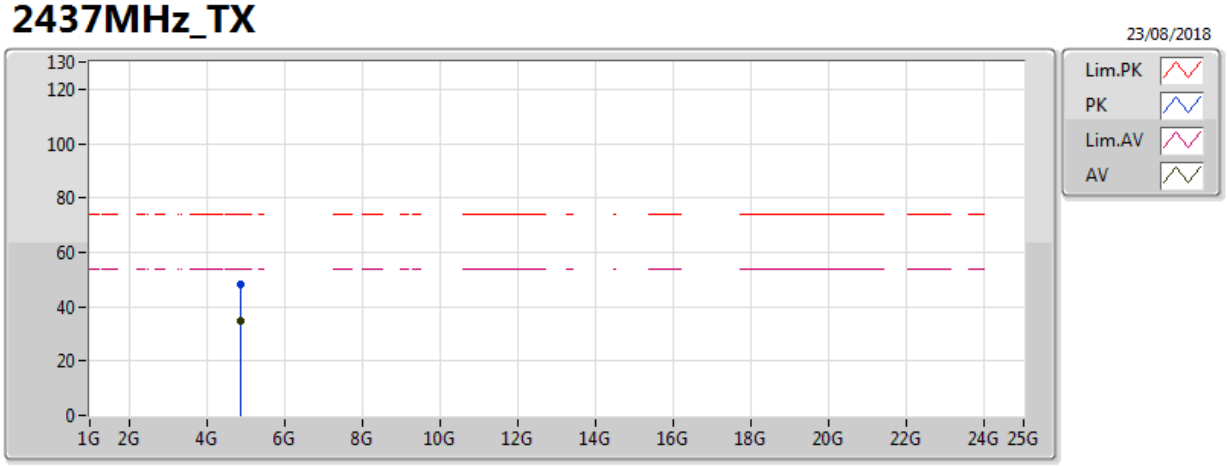


EUT Z_2TX
Setting 28
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3718G	57.61	74.00	-16.39	32.09	3	Horizontal	179	1.05	-
AV	2.3894G	45.39	54.00	-8.61	32.14	3	Horizontal	179	1.05	-
PK	2.4378G	111.49	Inf	-Inf	32.29	3	Horizontal	179	1.05	-
AV	2.4374G	101.99	Inf	-Inf	32.28	3	Horizontal	179	1.05	-
PK	2.4854G	57.44	74.00	-16.56	32.43	3	Horizontal	179	1.05	-
AV	2.4926G	45.81	54.00	-8.19	32.45	3	Horizontal	179	1.05	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

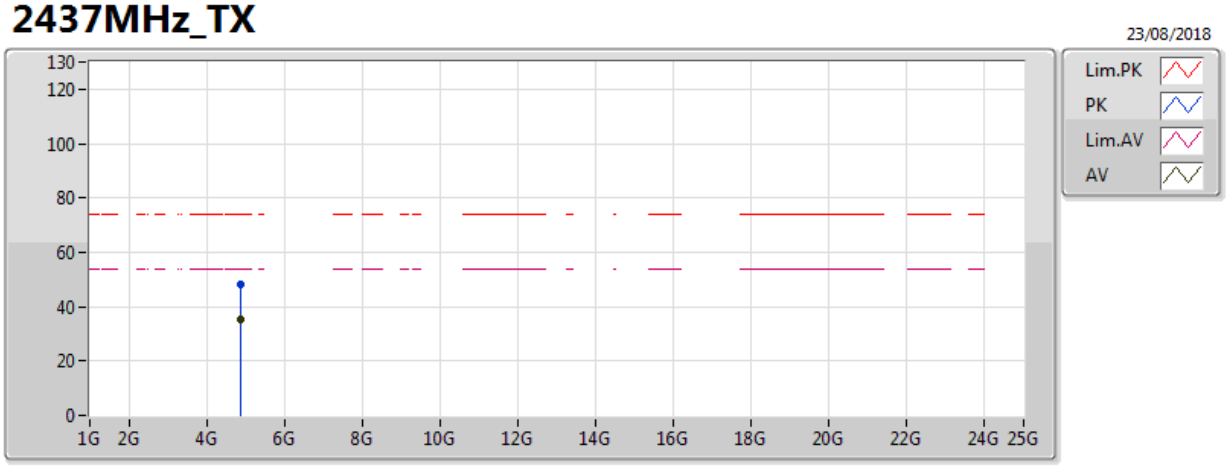


EUT Z_2TX
Setting 28
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87512G	48.04	74.00	-25.96	6.67	3	Vertical	88	1.87	-
AV	4.87572G	34.51	54.00	-19.49	6.67	3	Vertical	88	1.87	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

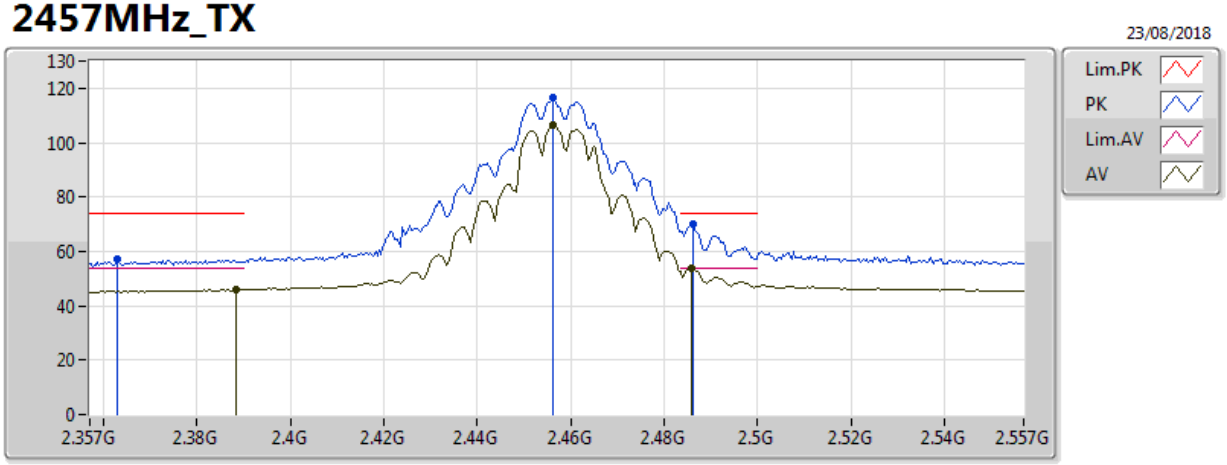


EUT Z_2TX
Setting 28
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87532G	47.93	74.00	-26.07	6.67	3	Horizontal	167	1.40	-
AV	4.87572G	35.07	54.00	-18.93	6.67	3	Horizontal	167	1.40	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

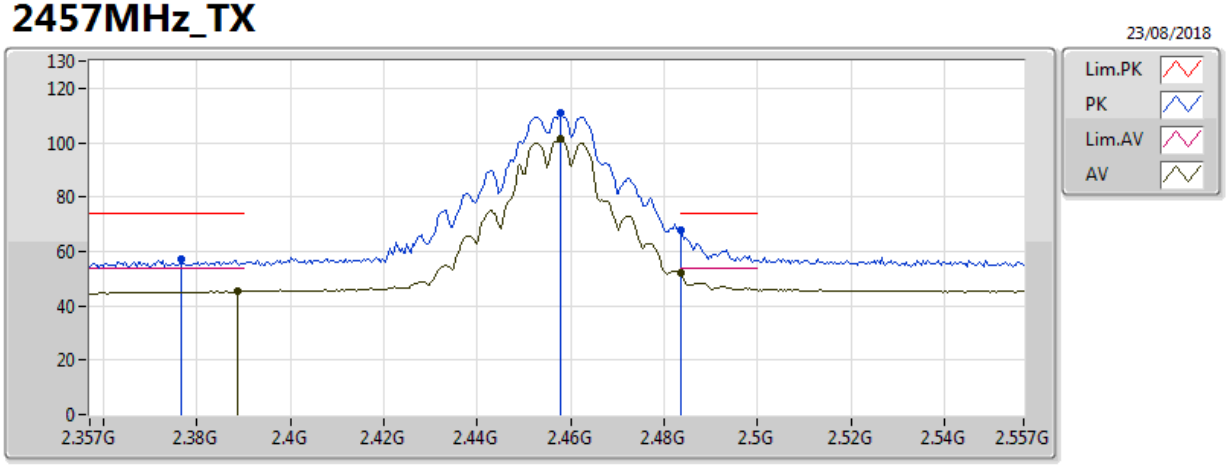


EUT Z_2TX
Setting 28
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.363G	56.93	74.00	-17.07	32.05	3	Vertical	1	1.03	-
AV	2.3882G	45.84	54.00	-8.16	32.13	3	Vertical	1	1.03	-
PK	2.4562G	116.43	Inf	-Inf	32.34	3	Vertical	1	1.03	-
AV	2.4562G	106.58	Inf	-Inf	32.34	3	Vertical	1	1.03	-
PK	2.4862G	70.05	74.00	-3.95	32.43	3	Vertical	1	1.03	-
AV	2.4858G	53.66	54.00	-0.34	32.43	3	Vertical	1	1.03	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

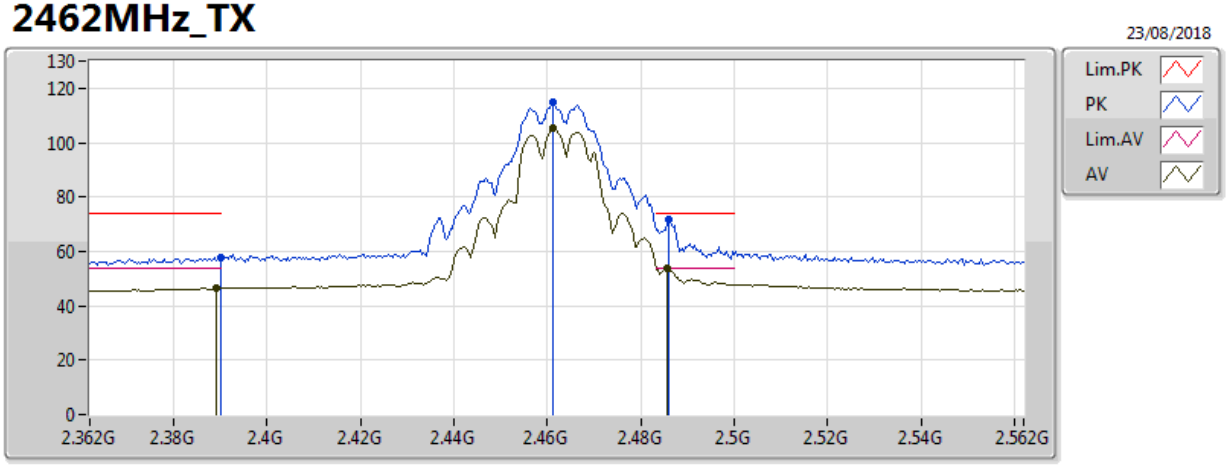


EUT Z_2TX
Setting 28
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3766G	57.06	74.00	-16.94	32.10	3	Horizontal	178	1.00	-
AV	2.3886G	45.32	54.00	-8.68	32.13	3	Horizontal	178	1.00	-
PK	2.4578G	111.03	Inf	-Inf	32.35	3	Horizontal	178	1.00	-
AV	2.4578G	101.62	Inf	-Inf	32.35	3	Horizontal	178	1.00	-
PK	2.483502G	67.54	74.00	-6.46	32.42	3	Horizontal	178	1.00	-
AV	2.483502G	51.92	54.00	-2.08	32.42	3	Horizontal	178	1.00	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

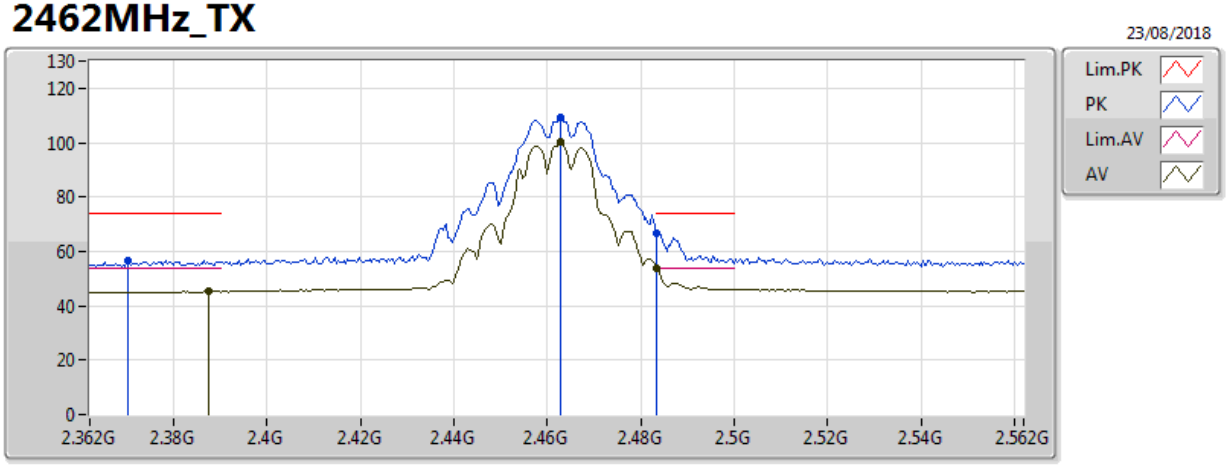


EUT Z_2TX
Setting 22
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	57.62	74.00	-16.38	32.14	3	Vertical	0	1.23	-
AV	2.3892G	46.37	54.00	-7.63	32.14	3	Vertical	0	1.23	-
PK	2.4612G	114.71	Inf	-Inf	32.36	3	Vertical	0	1.23	-
AV	2.4612G	105.15	Inf	-Inf	32.36	3	Vertical	0	1.23	-
PK	2.486G	71.89	74.00	-2.11	32.43	3	Vertical	0	1.23	-
AV	2.4856G	53.81	54.00	-0.19	32.43	3	Vertical	0	1.23	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

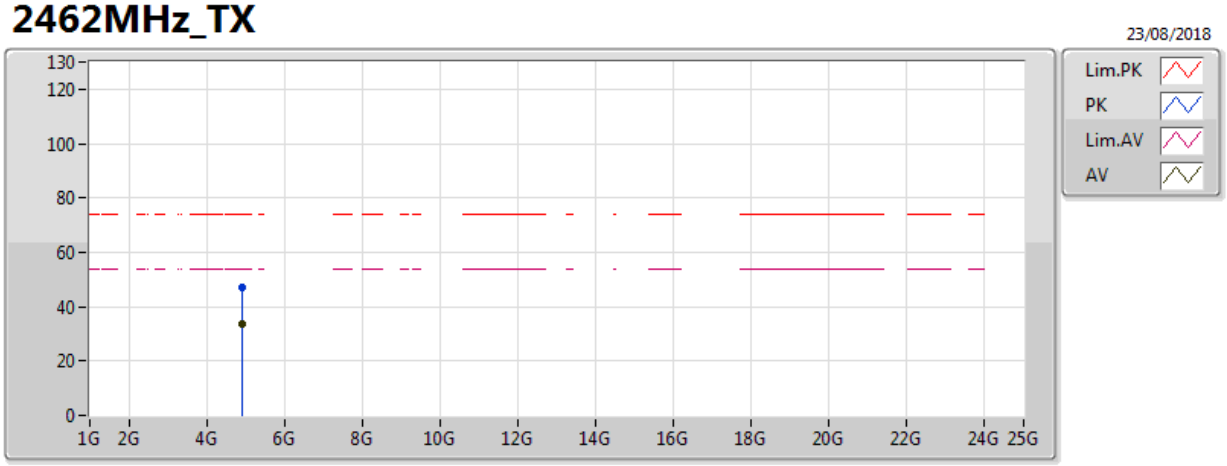


EUT Z_2TX
Setting 22
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.37G	56.66	74.00	-17.34	32.08	3	Horizontal	179	1.00	-
AV	2.3876G	45.25	54.00	-8.75	32.13	3	Horizontal	179	1.00	-
PK	2.4628G	109.36	Inf	-Inf	32.36	3	Horizontal	179	1.00	-
AV	2.4628G	100.12	Inf	-Inf	32.36	3	Horizontal	179	1.00	-
PK	2.483502G	66.91	74.00	-7.09	32.42	3	Horizontal	179	1.00	-
AV	2.483502G	53.88	54.00	-0.12	32.42	3	Horizontal	179	1.00	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

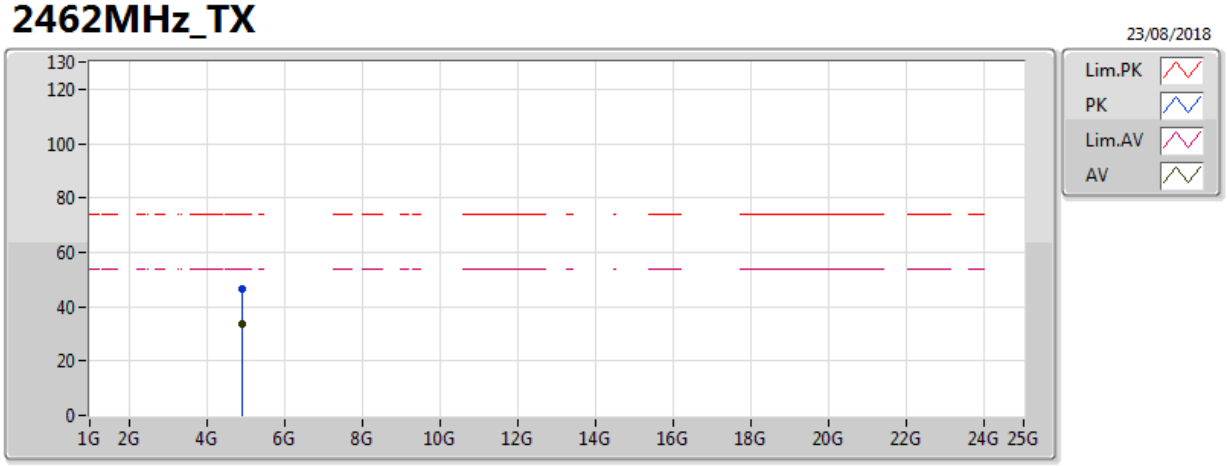


EUT Z_2TX
Setting 22
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91892G	47.18	74.00	-26.82	6.76	3	Vertical	113	1.49	-
AV	4.92148G	33.65	54.00	-20.35	6.77	3	Vertical	113	1.49	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

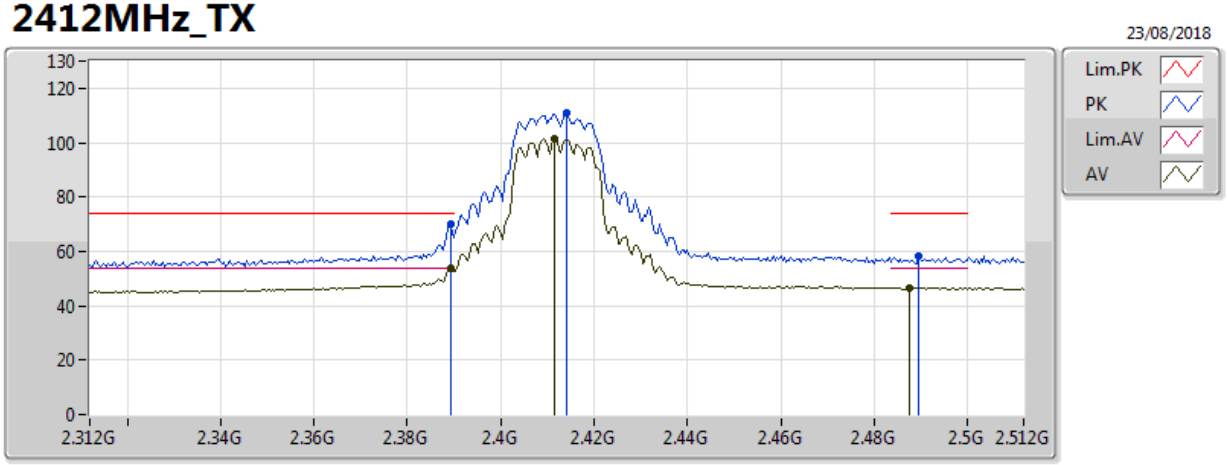


EUT Z_2TX
Setting 22
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91448G	46.70	74.00	-27.30	6.75	3	Horizontal	290	1.52	-
AV	4.92736G	33.60	54.00	-20.40	6.78	3	Horizontal	290	1.52	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

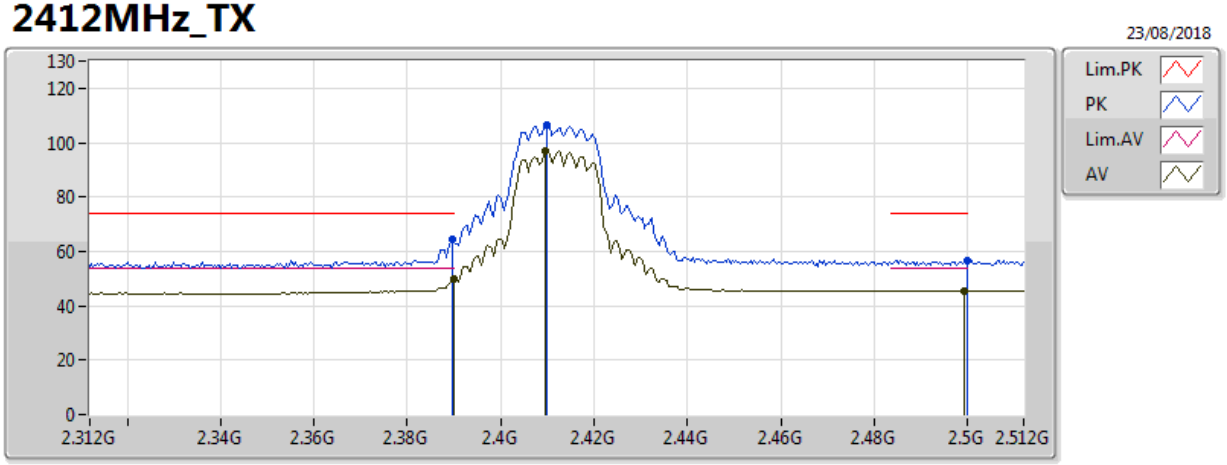


EUT Z_2TX
Setting 1D
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	70.30	74.00	-3.70	32.14	3	Vertical	0	1.15	-
AV	2.3892G	53.71	54.00	-0.29	32.14	3	Vertical	0	1.15	-
PK	2.414G	110.99	Inf	-Inf	32.21	3	Vertical	0	1.15	-
AV	2.4116G	101.66	Inf	-Inf	32.21	3	Vertical	0	1.15	-
PK	2.4896G	58.49	74.00	-15.51	32.45	3	Vertical	0	1.15	-
AV	2.4876G	46.63	54.00	-7.37	32.43	3	Vertical	0	1.15	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

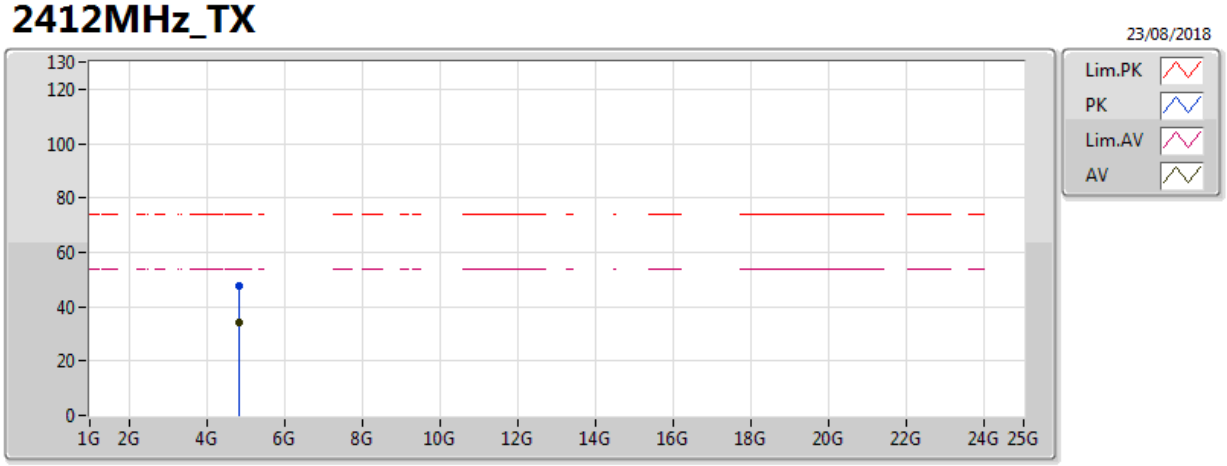


EUT Z_2TX
Setting 1D
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	64.49	74.00	-9.51	32.14	3	Horizontal	176	1.08	-
AV	2.389998G	49.93	54.00	-4.07	32.14	3	Horizontal	176	1.08	-
PK	2.41G	106.53	Inf	-Inf	32.20	3	Horizontal	176	1.08	-
AV	2.4096G	97.03	Inf	-Inf	32.20	3	Horizontal	176	1.08	-
PK	2.5G	56.84	74.00	-17.16	32.48	3	Horizontal	176	1.08	-
AV	2.4992G	45.55	54.00	-8.45	32.47	3	Horizontal	176	1.08	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

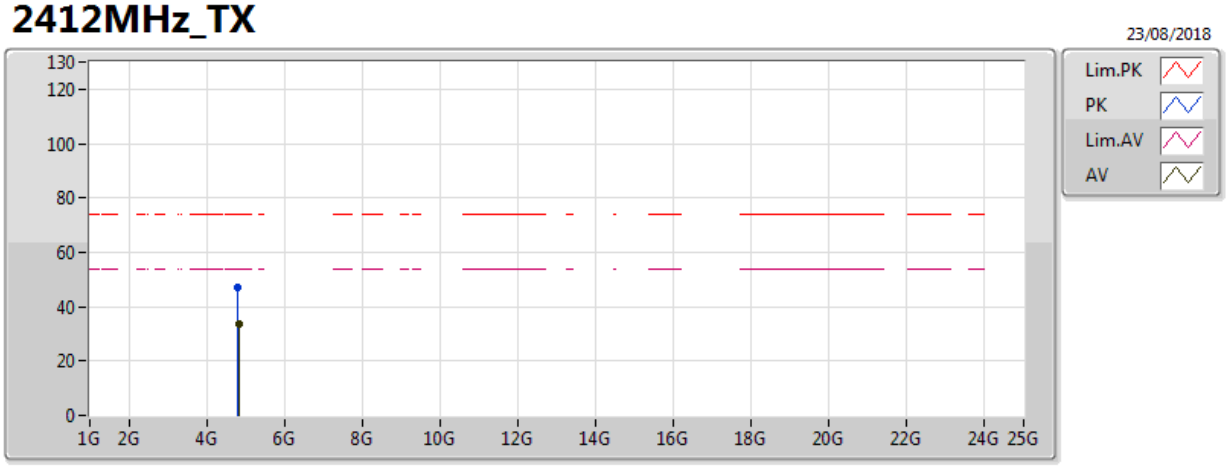


EUT Z_2TX
Setting 1D
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.827G	47.50	74.00	-26.50	6.56	3	Vertical	75	1.19	-
AV	4.82732G	34.45	54.00	-19.55	6.56	3	Vertical	75	1.19	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

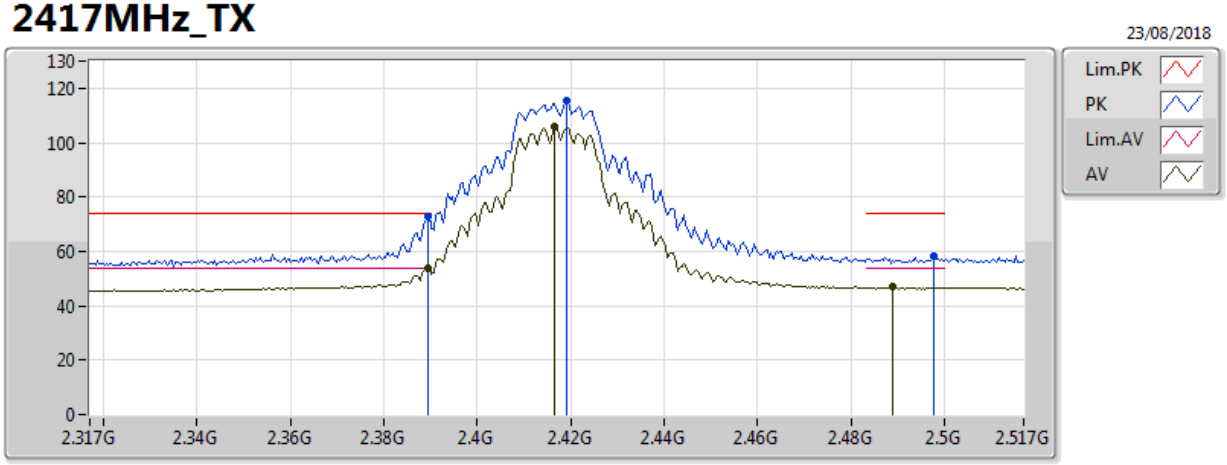


EUT Z_2TX
Setting 1D
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.81728G	47.00	74.00	-27.00	6.54	3	Horizontal	301	1.30	-
AV	4.82752G	33.57	54.00	-20.43	6.56	3	Horizontal	301	1.30	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

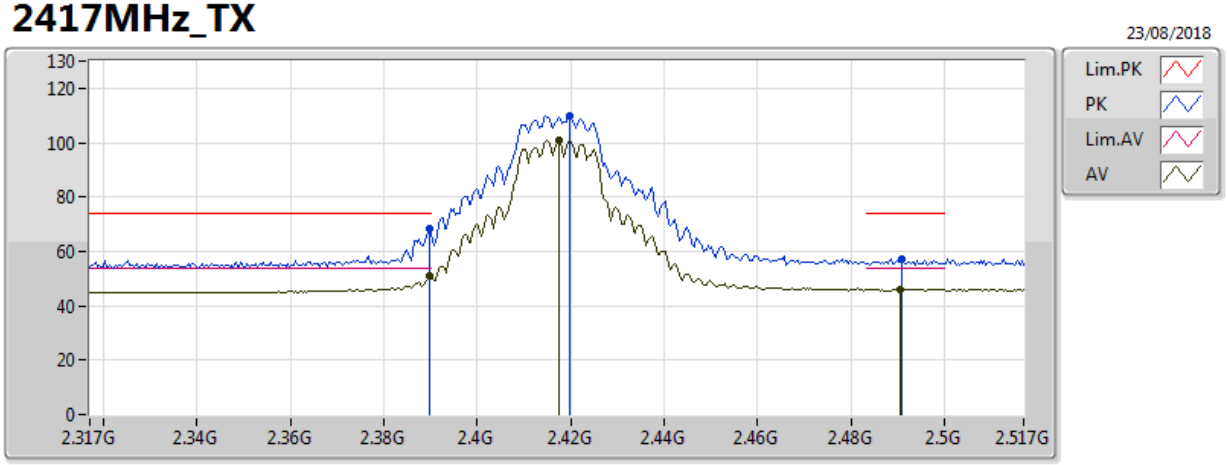


EUT Z_2TX
Setting 25
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	72.66	74.00	-1.34	32.14	3	Vertical	1	1.86	-
AV	2.3894G	53.67	54.00	-0.33	32.14	3	Vertical	1	1.86	-
PK	2.419G	115.59	Inf	-Inf	32.23	3	Vertical	1	1.86	-
AV	2.4166G	105.71	Inf	-Inf	32.22	3	Vertical	1	1.86	-
PK	2.4978G	58.03	74.00	-15.97	32.47	3	Vertical	1	1.86	-
AV	2.489G	46.82	54.00	-7.18	32.45	3	Vertical	1	1.86	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

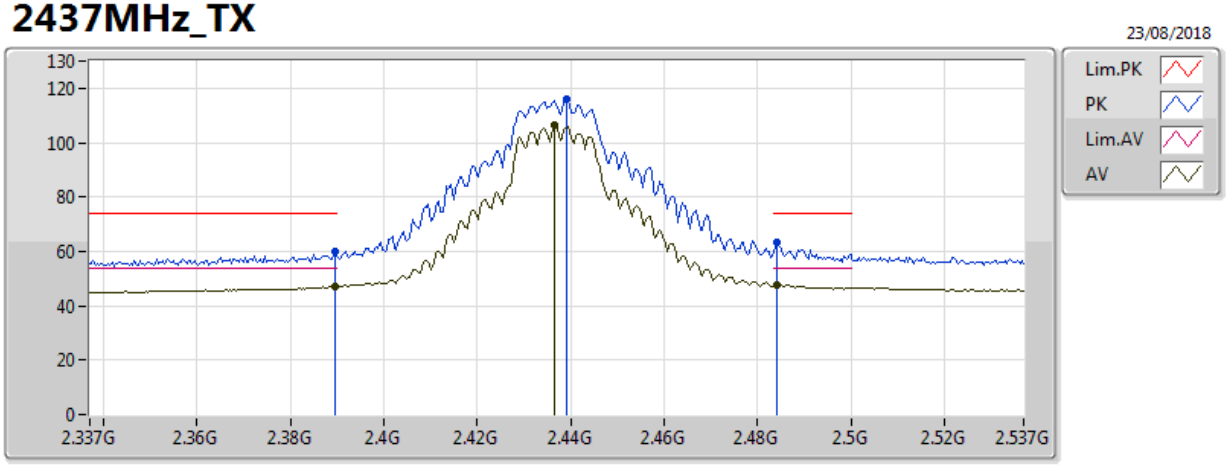


EUT Z_2TX
Setting 25
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	68.51	74.00	-5.49	32.14	3	Horizontal	177	1.01	-
AV	2.3898G	50.89	54.00	-3.11	32.14	3	Horizontal	177	1.01	-
PK	2.4198G	109.68	Inf	-Inf	32.23	3	Horizontal	177	1.01	-
AV	2.4174G	100.91	Inf	-Inf	32.22	3	Horizontal	177	1.01	-
PK	2.491G	57.01	74.00	-16.99	32.45	3	Horizontal	177	1.01	-
AV	2.4906G	45.97	54.00	-8.03	32.45	3	Horizontal	177	1.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

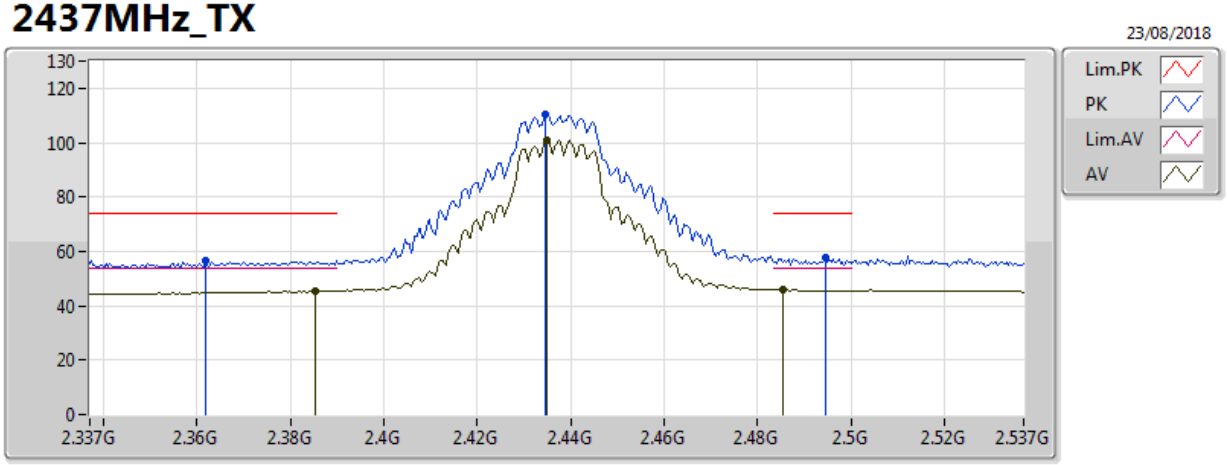


EUT Z_2TX
Setting 28
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	60.04	74.00	-13.96	32.14	3	Vertical	0	1.28	-
AV	2.3894G	47.02	54.00	-6.98	32.14	3	Vertical	0	1.28	-
PK	2.439G	116.18	Inf	-Inf	32.29	3	Vertical	0	1.28	-
AV	2.4366G	106.19	Inf	-Inf	32.28	3	Vertical	0	1.28	-
PK	2.4842G	63.34	74.00	-10.66	32.43	3	Vertical	0	1.28	-
AV	2.4842G	47.82	54.00	-6.18	32.43	3	Vertical	0	1.28	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

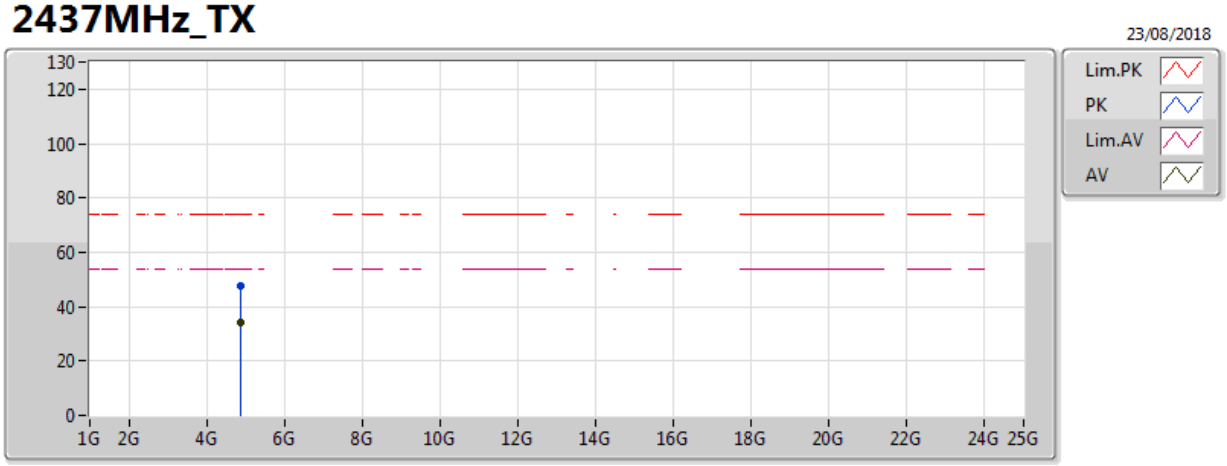


EUT Z_2TX
Setting 28
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3618G	56.73	74.00	-17.27	32.05	3	Horizontal	178	1.05	-
AV	2.3854G	45.50	54.00	-8.50	32.13	3	Horizontal	178	1.05	-
PK	2.4346G	110.32	Inf	-Inf	32.28	3	Horizontal	178	1.05	-
AV	2.435G	100.84	Inf	-Inf	32.28	3	Horizontal	178	1.05	-
PK	2.4946G	57.83	74.00	-16.17	32.46	3	Horizontal	178	1.05	-
AV	2.4854G	45.88	54.00	-8.12	32.43	3	Horizontal	178	1.05	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

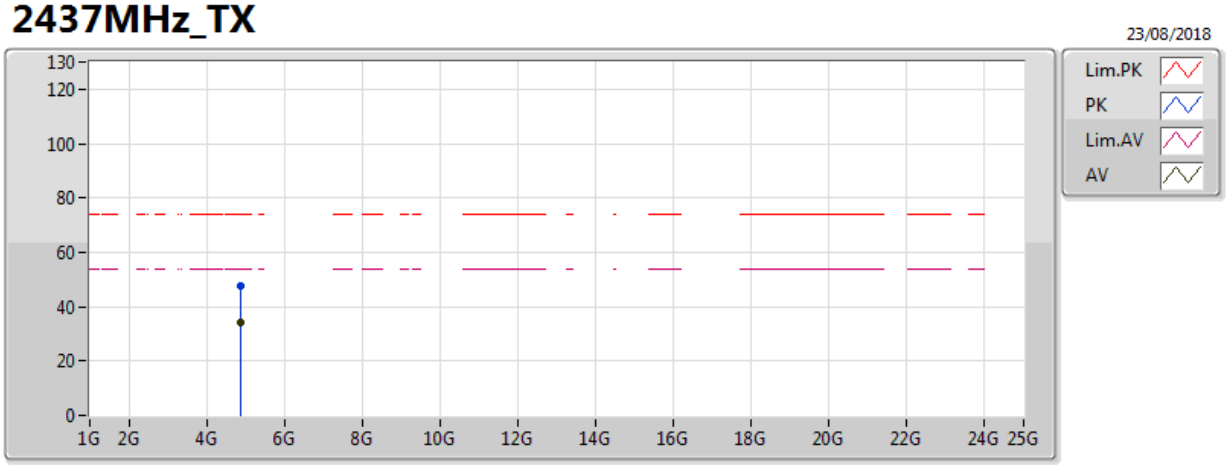


EUT Z_2TX
Setting 28
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.88368G	47.66	74.00	-26.34	6.68	3	Vertical	122	1.84	-
AV	4.87876G	34.16	54.00	-19.84	6.67	3	Vertical	122	1.84	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

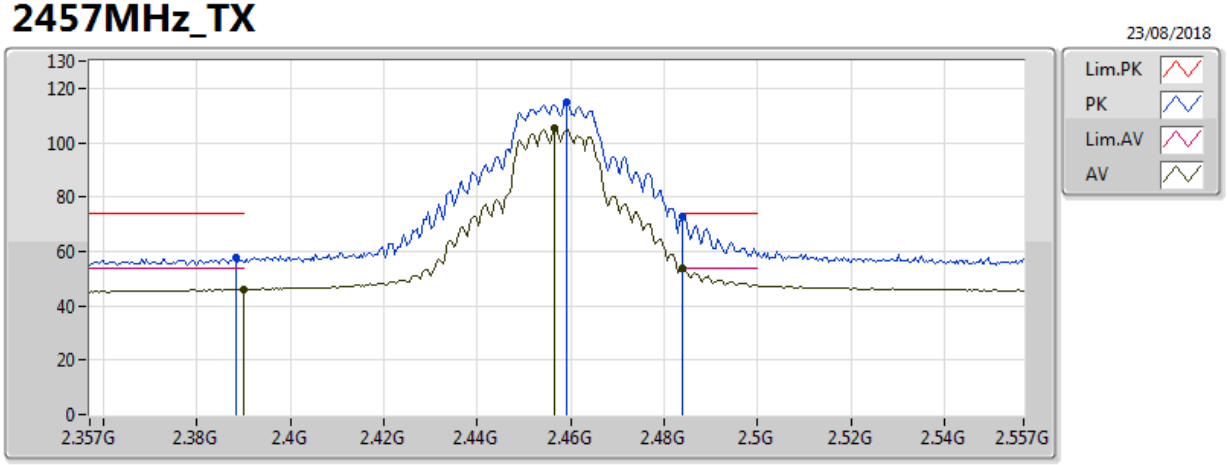


EUT Z_2TX
Setting 28
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87632G	47.74	74.00	-26.26	6.67	3	Horizontal	318	1.39	-
AV	4.88152G	34.00	54.00	-20.00	6.68	3	Horizontal	318	1.39	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

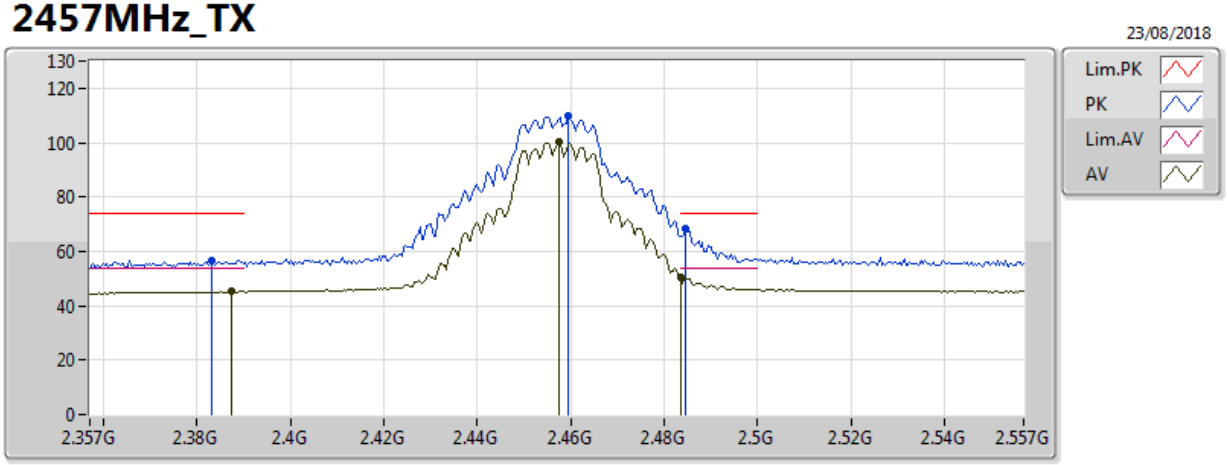


EUT Z_2TX
Setting 25
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	57.54	74.00	-16.46	32.13	3	Vertical	0	1.02	-
AV	2.3898G	46.03	54.00	-7.97	32.14	3	Vertical	0	1.02	-
PK	2.459G	114.78	Inf	-Inf	32.35	3	Vertical	0	1.02	-
AV	2.4566G	105.17	Inf	-Inf	32.34	3	Vertical	0	1.02	-
PK	2.4838G	72.63	74.00	-1.37	32.42	3	Vertical	0	1.02	-
AV	2.4838G	53.74	54.00	-0.26	32.42	3	Vertical	0	1.02	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

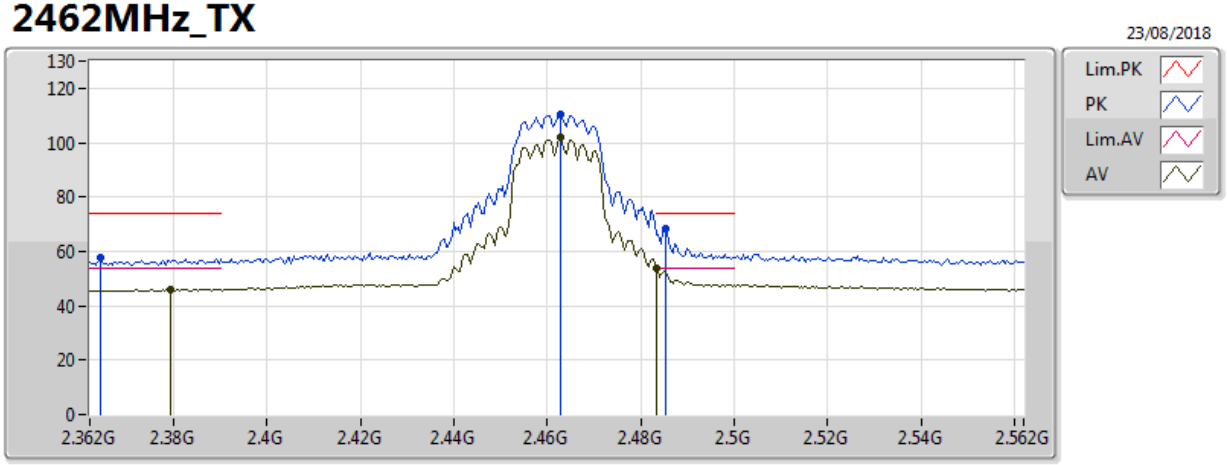


EUT Z_2TX
Setting 25
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.383G	56.75	74.00	-17.25	32.12	3	Horizontal	177	1.01	-
AV	2.3874G	45.25	54.00	-8.75	32.13	3	Horizontal	177	1.01	-
PK	2.4594G	109.62	Inf	-Inf	32.35	3	Horizontal	177	1.01	-
AV	2.4574G	100.03	Inf	-Inf	32.35	3	Horizontal	177	1.01	-
PK	2.4846G	68.11	74.00	-5.89	32.43	3	Horizontal	177	1.01	-
AV	2.483502G	50.20	54.00	-3.80	32.42	3	Horizontal	177	1.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

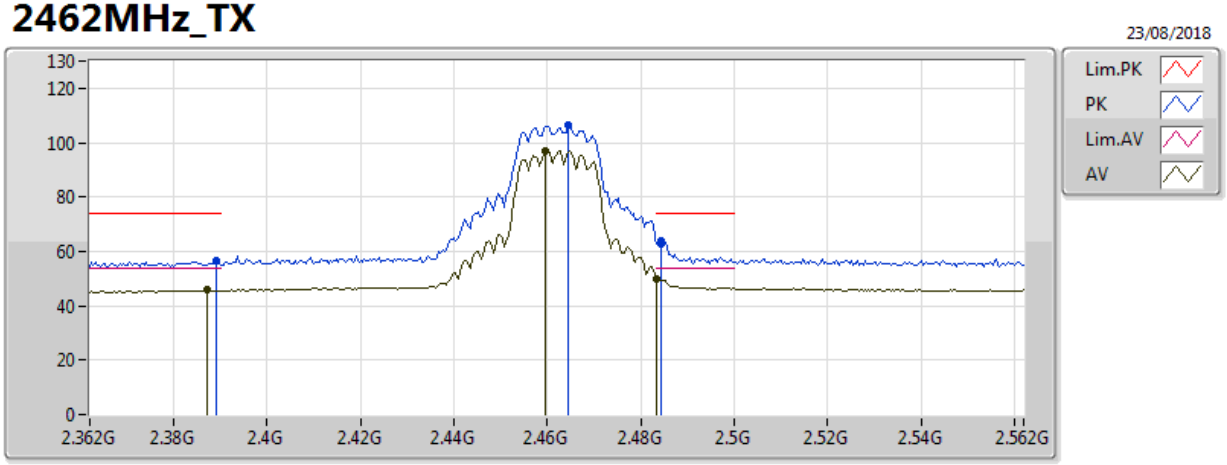


EUT Z_2TX
Setting 1D
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3644G	57.95	74.00	-16.05	32.06	3	Vertical	240	1.38	-
AV	2.3792G	46.00	54.00	-8.00	32.11	3	Vertical	240	1.38	-
PK	2.4628G	110.13	Inf	-Inf	32.36	3	Vertical	240	1.38	-
AV	2.4628G	101.79	Inf	-Inf	32.36	3	Vertical	240	1.38	-
PK	2.4852G	68.27	74.00	-5.73	32.43	3	Vertical	240	1.38	-
AV	2.483502G	53.80	54.00	-0.20	32.42	3	Vertical	240	1.38	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

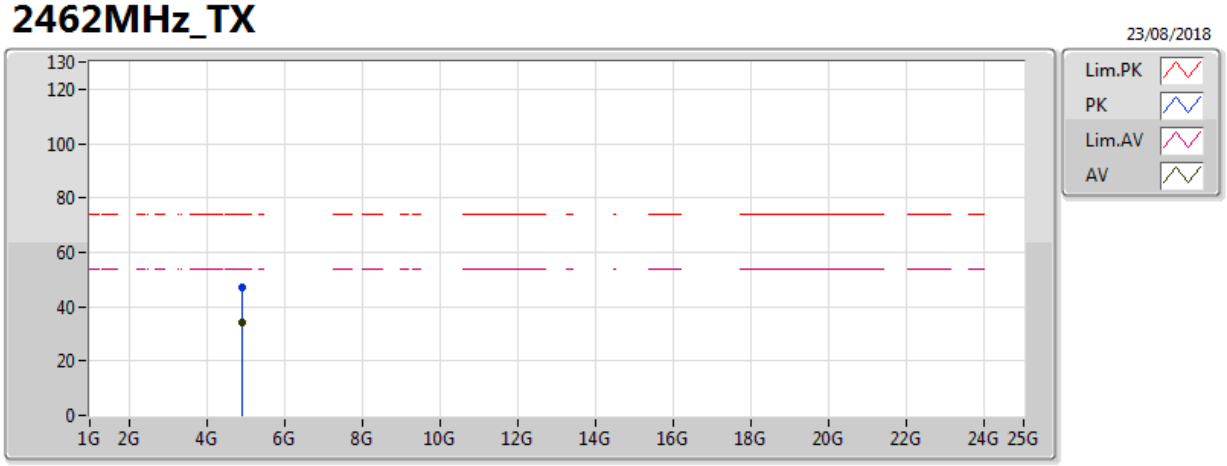


EUT Z_2TX
Setting 1D
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	56.66	74.00	-17.34	32.14	3	Horizontal	178	1.01	-
AV	2.3872G	45.78	54.00	-8.22	32.13	3	Horizontal	178	1.01	-
PK	2.4644G	106.22	Inf	-Inf	32.37	3	Horizontal	178	1.01	-
AV	2.4596G	97.09	Inf	-Inf	32.35	3	Horizontal	178	1.01	-
PK	2.4844G	63.81	74.00	-10.19	32.43	3	Horizontal	178	1.01	-
AV	2.483502G	49.64	54.00	-4.36	32.42	3	Horizontal	178	1.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

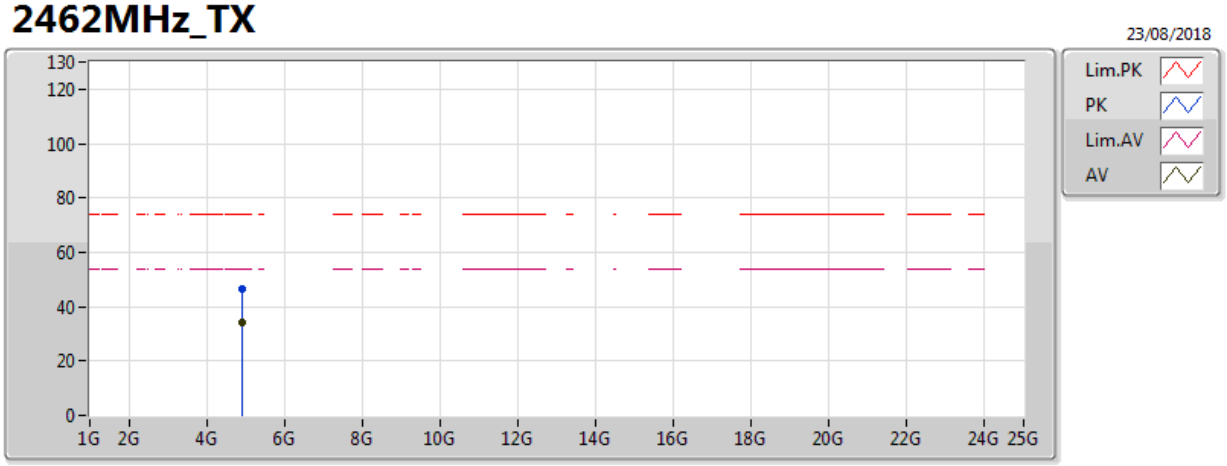


EUT Z_2TX
Setting 1D
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.93024G	47.01	74.00	-26.99	6.79	3	Vertical	16	1.64	-
AV	4.92292G	34.36	54.00	-19.64	6.77	3	Vertical	16	1.64	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

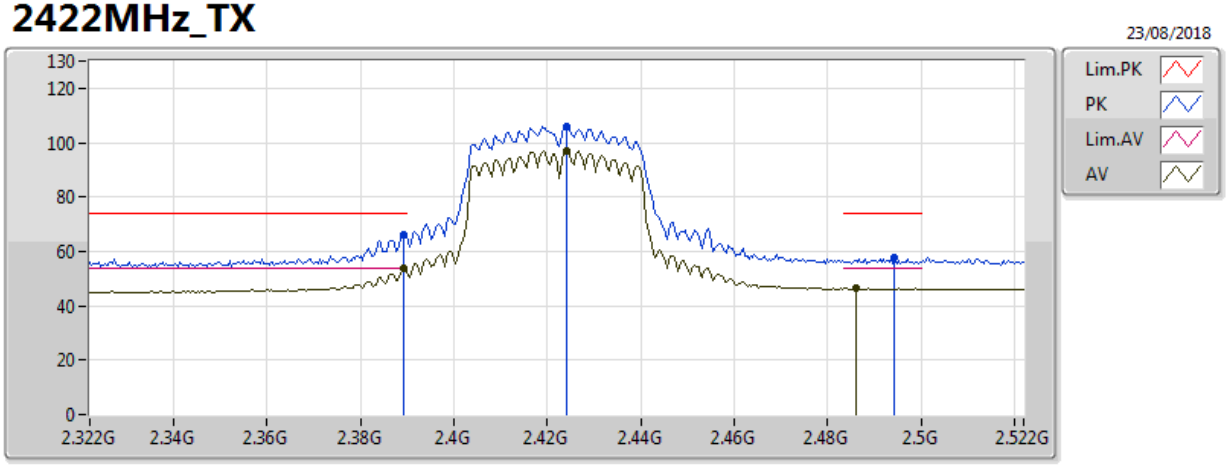


EUT Z_2TX
Setting 1D
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.93072G	46.36	74.00	-27.64	6.79	3	Horizontal	157	1.34	-
AV	4.92272G	34.34	54.00	-19.66	6.77	3	Horizontal	157	1.34	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

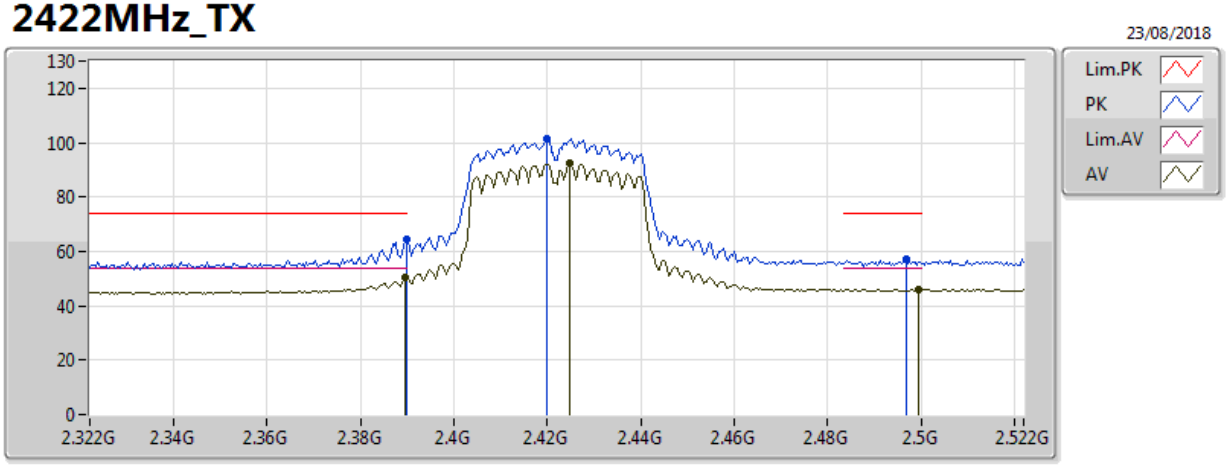


EUT Z_2TX
Setting 18
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	66.35	74.00	-7.65	32.14	3	Vertical	0	1.06	-
AV	2.3892G	53.66	54.00	-0.34	32.14	3	Vertical	0	1.06	-
PK	2.424G	105.96	Inf	-Inf	32.24	3	Vertical	0	1.06	-
AV	2.424G	97.01	Inf	-Inf	32.24	3	Vertical	0	1.06	-
PK	2.4944G	57.48	74.00	-16.52	32.46	3	Vertical	0	1.06	-
AV	2.486G	46.40	54.00	-7.60	32.43	3	Vertical	0	1.06	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

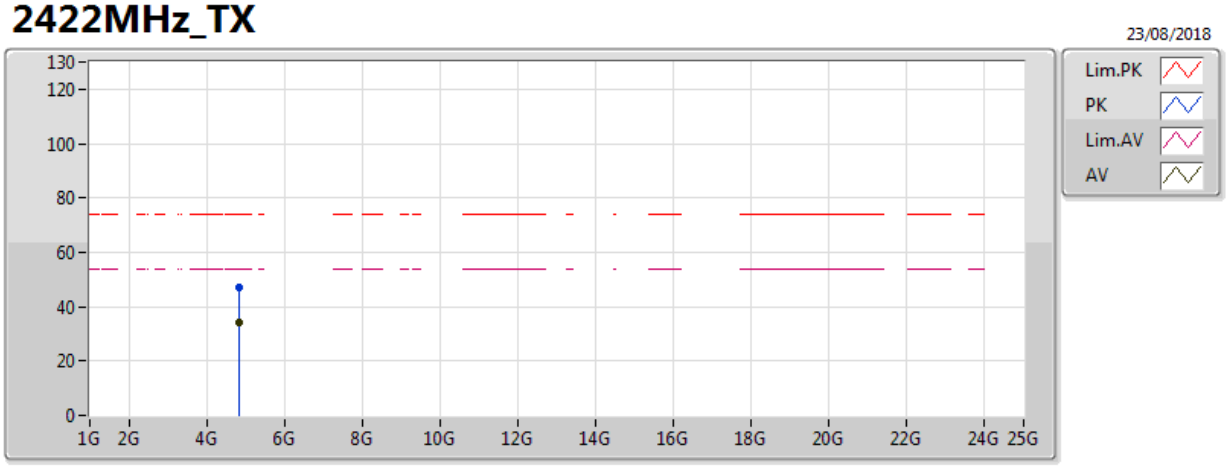


EUT Z_2TX
Setting 18
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	64.17	74.00	-9.83	32.14	3	Horizontal	178	1.01	-
AV	2.3896G	50.53	54.00	-3.47	32.14	3	Horizontal	178	1.01	-
PK	2.42G	101.49	Inf	-Inf	32.23	3	Horizontal	178	1.01	-
AV	2.4248G	92.24	Inf	-Inf	32.25	3	Horizontal	178	1.01	-
PK	2.4968G	56.91	74.00	-17.09	32.46	3	Horizontal	178	1.01	-
AV	2.4996G	45.95	54.00	-8.05	32.47	3	Horizontal	178	1.01	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

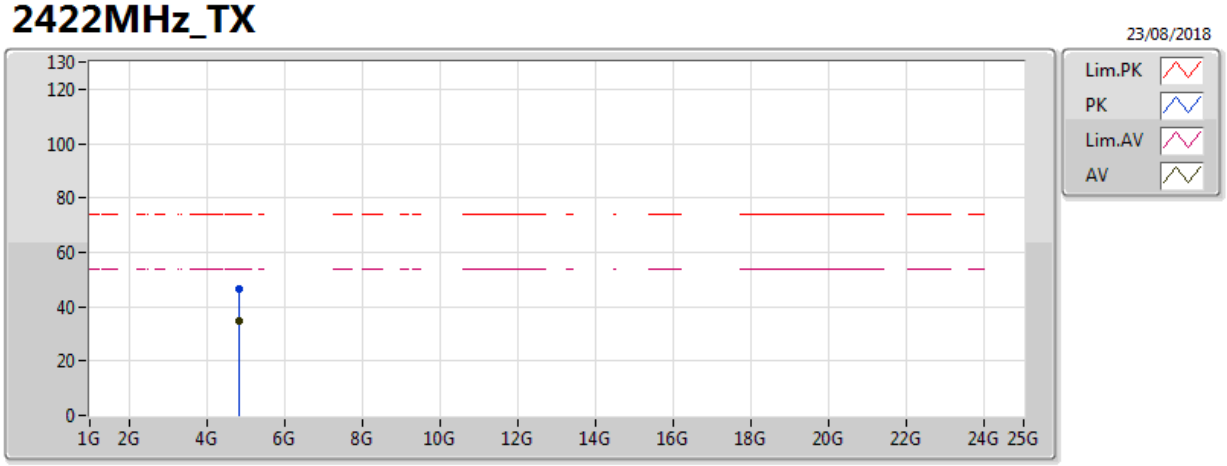


EUT Z_2TX
Setting 18
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.854G	46.91	74.00	-27.09	6.62	3	Vertical	216	1.42	-
AV	4.85392G	34.23	54.00	-19.77	6.62	3	Vertical	216	1.42	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

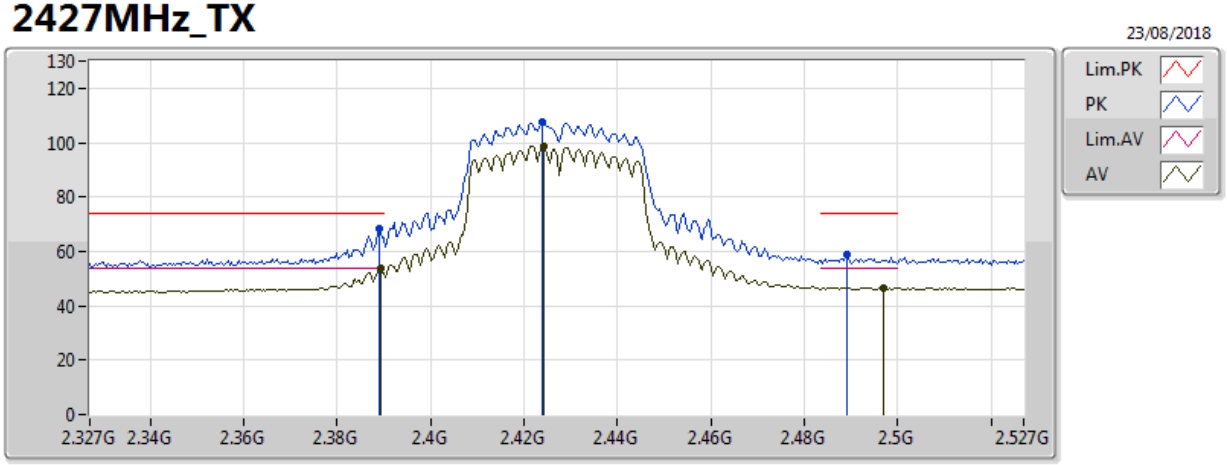


EUT Z_2TX
Setting 18
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.83412G	46.43	74.00	-27.57	6.58	3	Horizontal	85	1.14	-
AV	4.83456G	34.59	54.00	-19.41	6.58	3	Horizontal	85	1.14	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

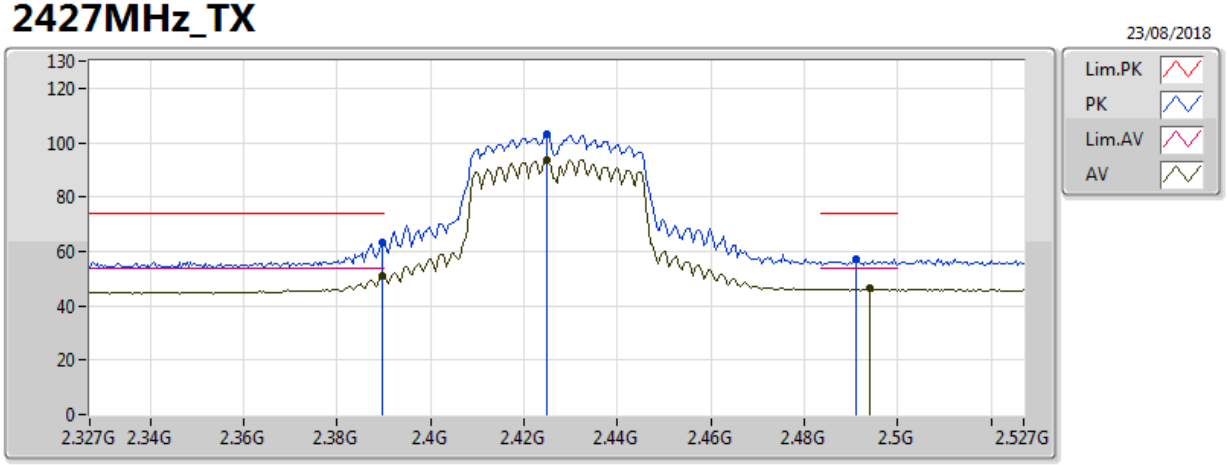


EUT Z_2TX
Setting 1B
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	68.22	74.00	-5.78	32.13	3	Vertical	0	1.06	-
AV	2.3894G	53.66	54.00	-0.34	32.14	3	Vertical	0	1.06	-
PK	2.4238G	107.71	Inf	-Inf	32.24	3	Vertical	0	1.06	-
AV	2.4242G	98.65	Inf	-Inf	32.24	3	Vertical	0	1.06	-
PK	2.489G	58.78	74.00	-15.22	32.45	3	Vertical	0	1.06	-
AV	2.497G	46.54	54.00	-7.46	32.46	3	Vertical	0	1.06	-

802.11n HT40_Nss1,(MCS0)_2TX

2427MHz_TX

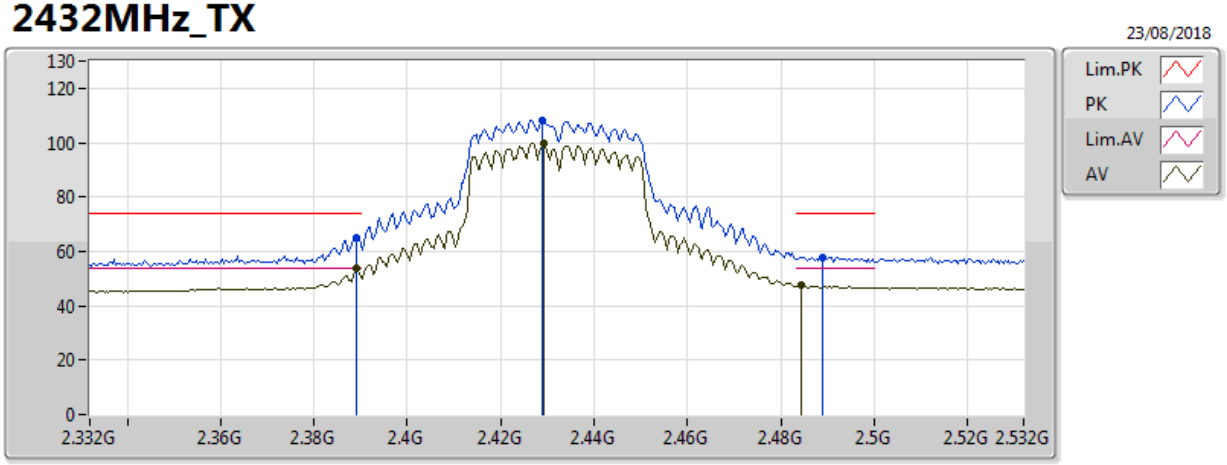


EUT Z_2TX
Setting 1B
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	63.22	74.00	-10.78	32.14	3	Horizontal	177	1.02	-
AV	2.3898G	50.86	54.00	-3.14	32.14	3	Horizontal	177	1.02	-
PK	2.425G	102.94	Inf	-Inf	32.25	3	Horizontal	177	1.02	-
AV	2.425G	93.71	Inf	-Inf	32.25	3	Horizontal	177	1.02	-
PK	2.491G	57.16	74.00	-16.84	32.45	3	Horizontal	177	1.02	-
AV	2.4942G	46.23	54.00	-7.77	32.46	3	Horizontal	177	1.02	-

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

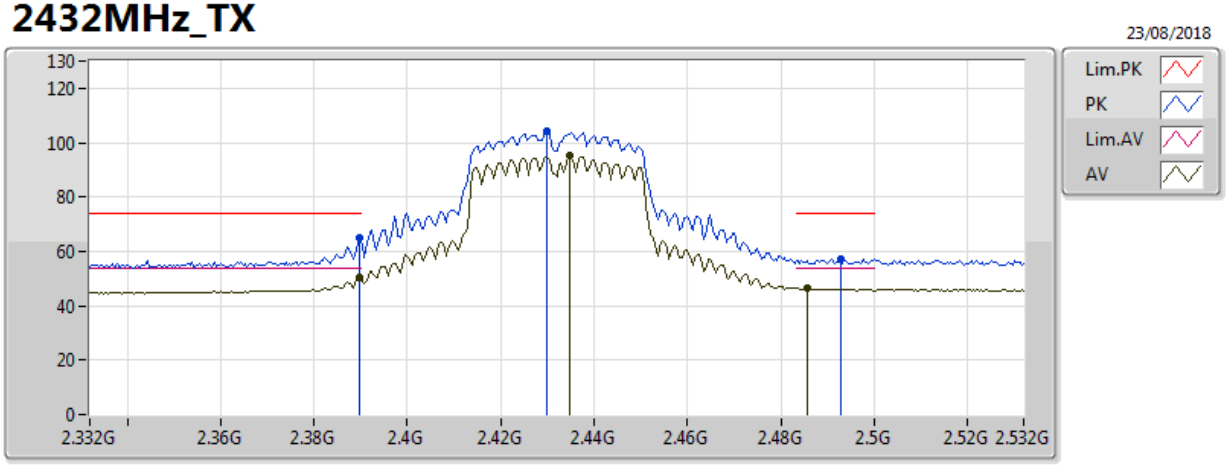


EUT Z_2TX
Setting 1E
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	64.90	74.00	-9.10	32.14	3	Vertical	3	1.04	-
AV	2.3892G	53.64	54.00	-0.36	32.14	3	Vertical	3	1.04	-
PK	2.4288G	108.23	Inf	-Inf	32.26	3	Vertical	3	1.04	-
AV	2.4292G	99.58	Inf	-Inf	32.26	3	Vertical	3	1.04	-
PK	2.4888G	57.99	74.00	-16.01	32.44	3	Vertical	3	1.04	-
AV	2.4844G	47.49	54.00	-6.51	32.43	3	Vertical	3	1.04	-

802.11n HT40_Nss1,(MCS0)_2TX

2432MHz_TX

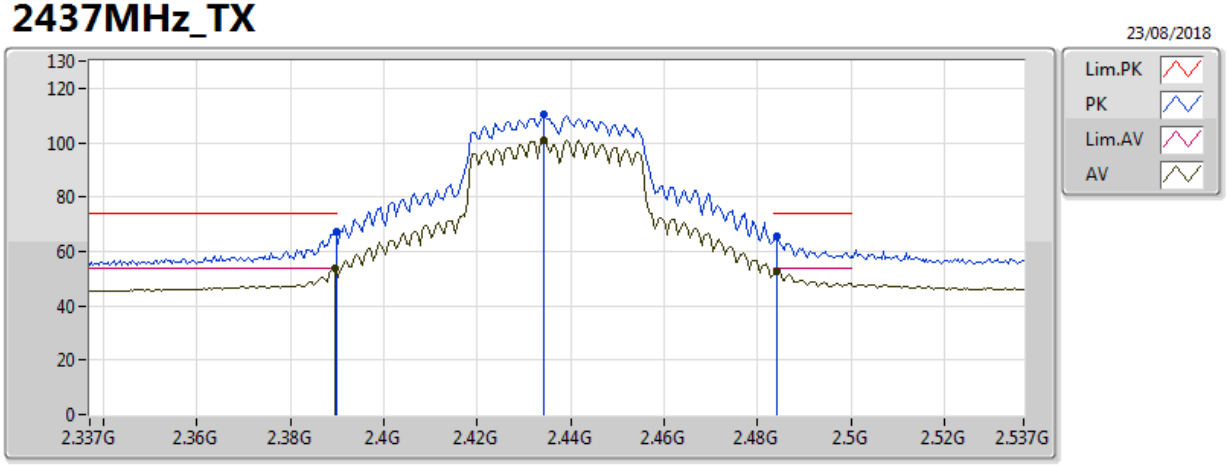


EUT Z_2TX
Setting 1E
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	64.76	74.00	-9.24	32.14	3	Horizontal	179	1.03	-
AV	2.3896G	50.23	54.00	-3.77	32.14	3	Horizontal	179	1.03	-
PK	2.43G	104.10	Inf	-Inf	32.26	3	Horizontal	179	1.03	-
AV	2.4348G	94.99	Inf	-Inf	32.28	3	Horizontal	179	1.03	-
PK	2.4928G	57.37	74.00	-16.63	32.45	3	Horizontal	179	1.03	-
AV	2.4856G	46.38	54.00	-7.62	32.43	3	Horizontal	179	1.03	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

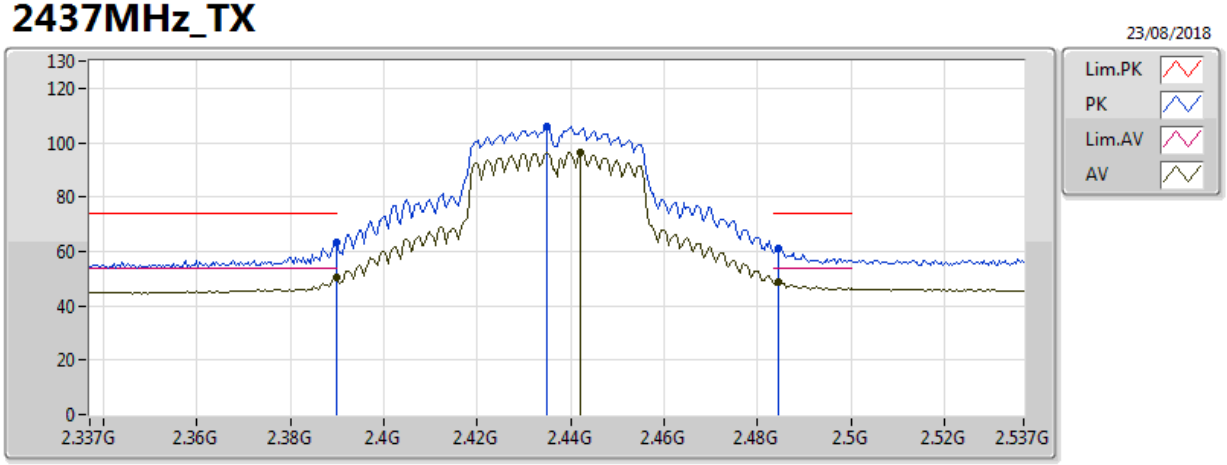


EUT Z_2TX
Setting 21
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	67.13	74.00	-6.87	32.14	3	Vertical	3	1.26	-
AV	2.3894G	53.80	54.00	-0.20	32.14	3	Vertical	3	1.26	-
PK	2.4342G	110.17	Inf	-Inf	32.27	3	Vertical	3	1.26	-
AV	2.4342G	101.02	Inf	-Inf	32.27	3	Vertical	3	1.26	-
PK	2.4842G	65.63	74.00	-8.37	32.43	3	Vertical	3	1.26	-
AV	2.4842G	52.79	54.00	-1.21	32.43	3	Vertical	3	1.26	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

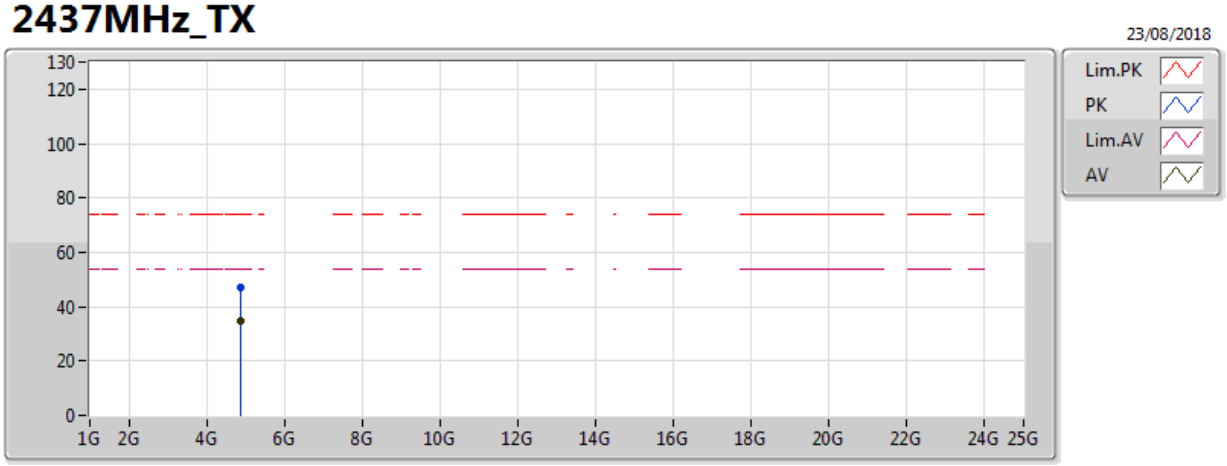


EUT Z_2TX
Setting 21
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	63.46	74.00	-10.54	32.14	3	Horizontal	178	1.06	-
AV	2.3898G	50.57	54.00	-3.43	32.14	3	Horizontal	178	1.06	-
PK	2.435G	105.77	Inf	-Inf	32.28	3	Horizontal	178	1.06	-
AV	2.4422G	96.63	Inf	-Inf	32.30	3	Horizontal	178	1.06	-
PK	2.4846G	61.27	74.00	-12.73	32.43	3	Horizontal	178	1.06	-
AV	2.4846G	48.94	54.00	-5.06	32.43	3	Horizontal	178	1.06	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

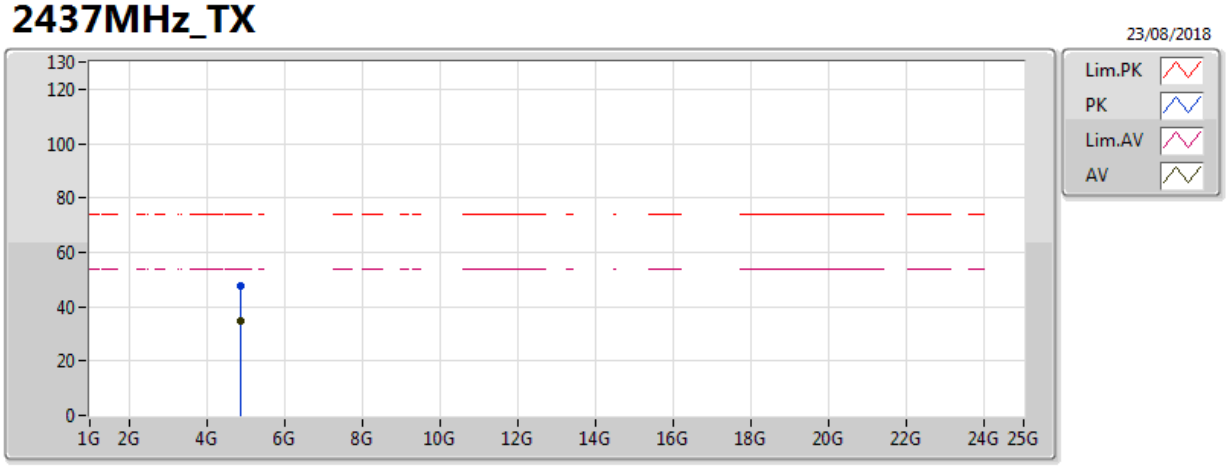


EUT Z_2TX
Setting 21
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.86988G	47.09	74.00	-26.91	6.65	3	Vertical	167	1.50	-
AV	4.87916G	34.53	54.00	-19.47	6.67	3	Vertical	167	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

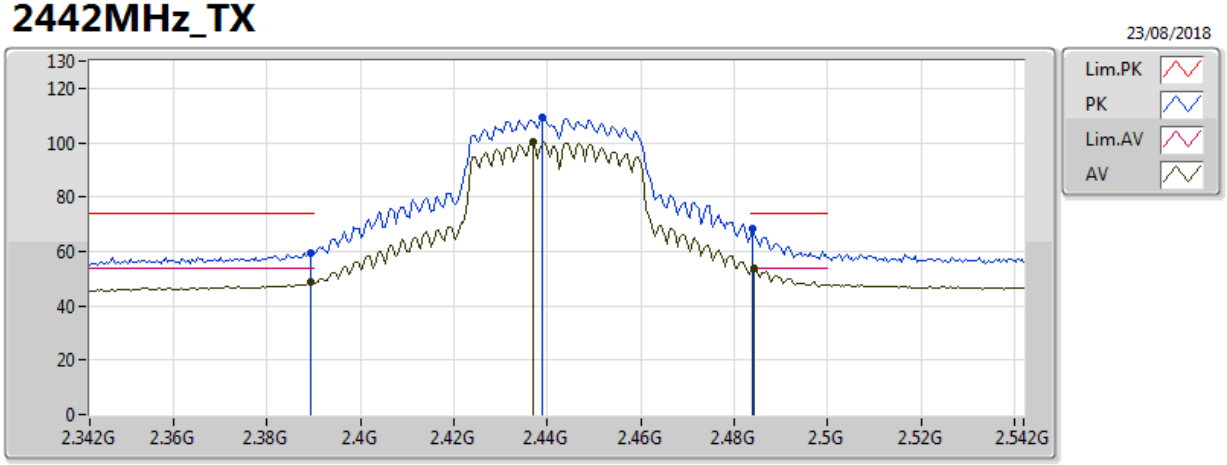


EUT Z_2TX
Setting 21
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.88136G	47.71	74.00	-26.29	6.68	3	Horizontal	120	1.04	-
AV	4.8814G	34.80	54.00	-19.20	6.68	3	Horizontal	120	1.04	-

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

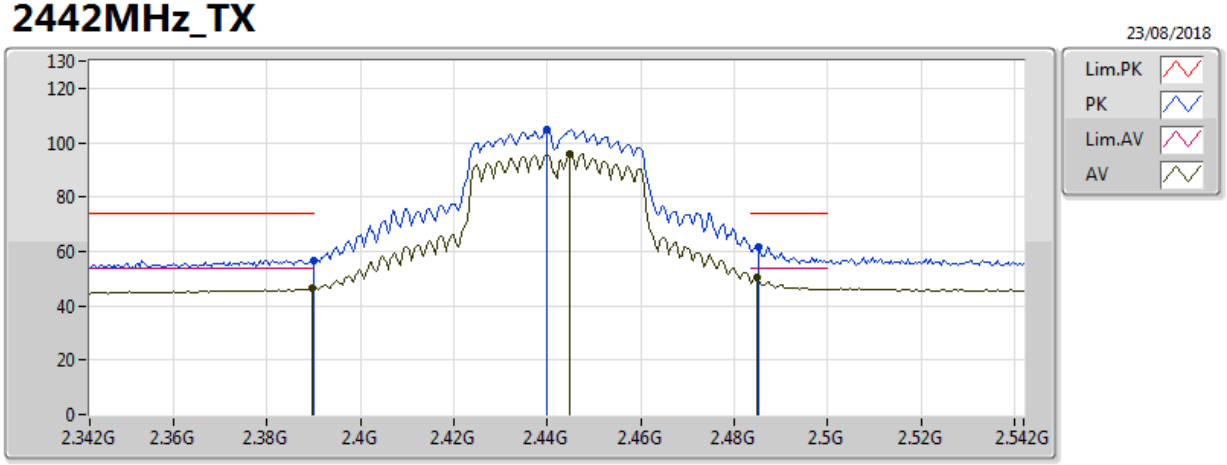


EUT Z_2TX
Setting 1F
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	59.56	74.00	-14.44	32.14	3	Vertical	0	1.31	-
AV	2.3892G	48.61	54.00	-5.39	32.14	3	Vertical	0	1.31	-
PK	2.4388G	109.04	Inf	-Inf	32.29	3	Vertical	0	1.31	-
AV	2.4368G	100.05	Inf	-Inf	32.28	3	Vertical	0	1.31	-
PK	2.484G	68.46	74.00	-5.54	32.42	3	Vertical	0	1.31	-
AV	2.4844G	53.94	54.00	-0.06	32.43	3	Vertical	0	1.31	-

802.11n HT40_Nss1,(MCS0)_2TX

2442MHz_TX

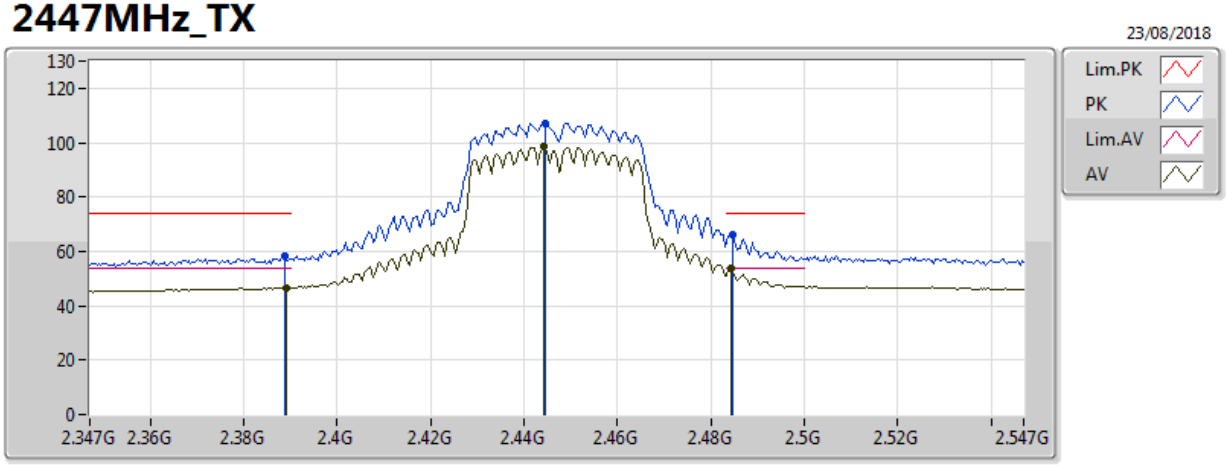


EUT Z_2TX
Setting 1F
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389998G	56.86	74.00	-17.14	32.14	3	Horizontal	179	1.06	-
AV	2.3896G	46.34	54.00	-7.66	32.14	3	Horizontal	179	1.06	-
PK	2.44G	104.87	Inf	-Inf	32.29	3	Horizontal	179	1.06	-
AV	2.4448G	95.87	Inf	-Inf	32.31	3	Horizontal	179	1.06	-
PK	2.4852G	61.45	74.00	-12.55	32.43	3	Horizontal	179	1.06	-
AV	2.4848G	50.17	54.00	-3.83	32.43	3	Horizontal	179	1.06	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

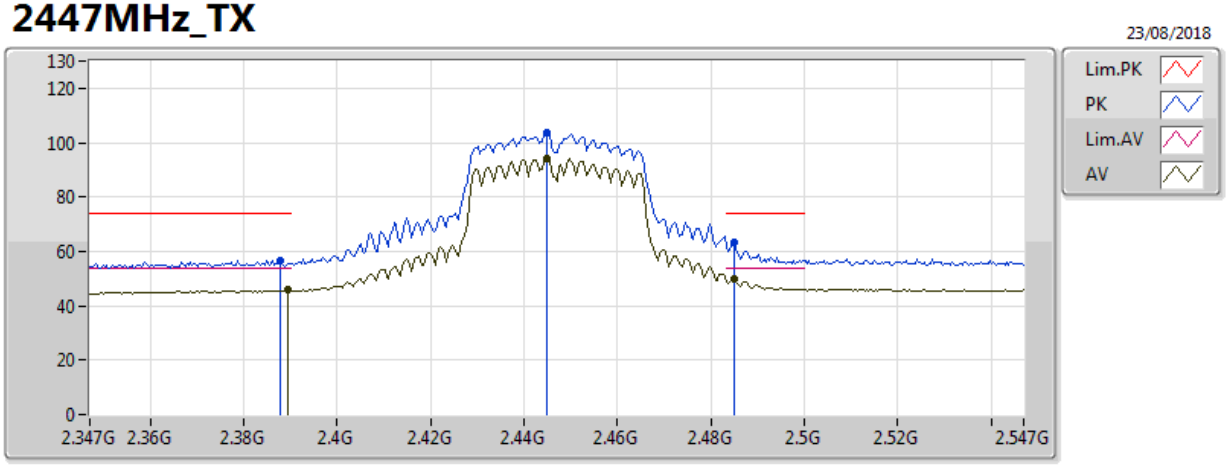


EUT Z_2TX
Setting 1C
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	58.08	74.00	-15.92	32.14	3	Vertical	2	2.54	-
AV	2.389G	46.72	54.00	-7.28	32.14	3	Vertical	2	2.54	-
PK	2.4446G	107.24	Inf	-Inf	32.31	3	Vertical	2	2.54	-
AV	2.4442G	98.40	Inf	-Inf	32.30	3	Vertical	2	2.54	-
PK	2.4846G	66.15	74.00	-7.85	32.43	3	Vertical	2	2.54	-
AV	2.4842G	53.79	54.00	-0.21	32.43	3	Vertical	2	2.54	-

802.11n HT40_Nss1,(MCS0)_2TX

2447MHz_TX

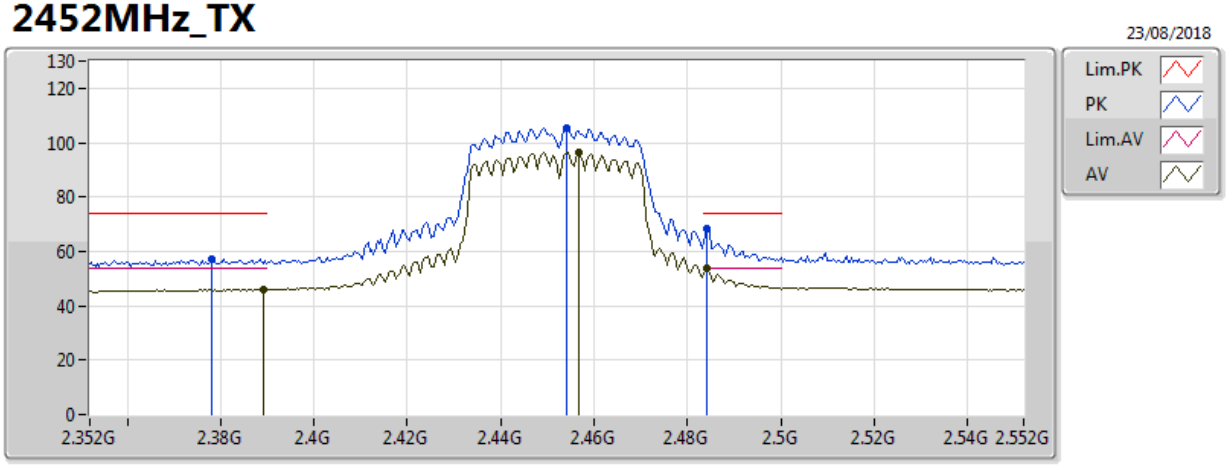


EUT Z_2TX
Setting 1C
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3878G	56.50	74.00	-17.50	32.13	3	Horizontal	179	1.06	-
AV	2.3894G	45.67	54.00	-8.33	32.14	3	Horizontal	179	1.06	-
PK	2.445G	103.61	Inf	-Inf	32.31	3	Horizontal	179	1.06	-
AV	2.445G	94.23	Inf	-Inf	32.31	3	Horizontal	179	1.06	-
PK	2.485G	63.47	74.00	-10.53	32.43	3	Horizontal	179	1.06	-
AV	2.485G	49.89	54.00	-4.11	32.43	3	Horizontal	179	1.06	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

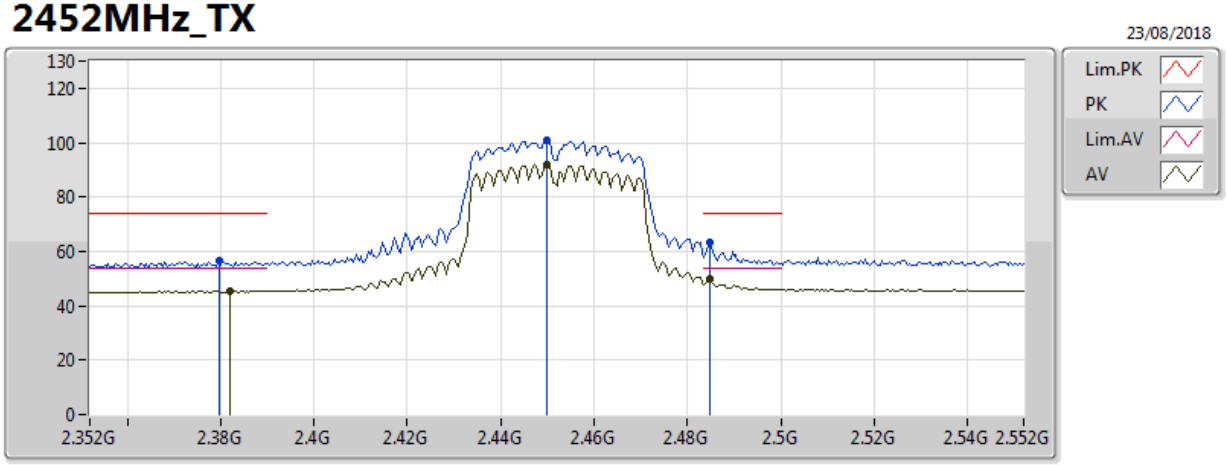


EUT Z_2TX
Setting 18
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.378G	57.28	74.00	-16.72	32.10	3	Vertical	0	1.02	-
AV	2.3892G	45.96	54.00	-8.04	32.14	3	Vertical	0	1.02	-
PK	2.454G	105.23	Inf	-Inf	32.33	3	Vertical	0	1.02	-
AV	2.4568G	96.30	Inf	-Inf	32.34	3	Vertical	0	1.02	-
PK	2.484G	68.29	74.00	-5.71	32.42	3	Vertical	0	1.02	-
AV	2.484G	53.66	54.00	-0.34	32.42	3	Vertical	0	1.02	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

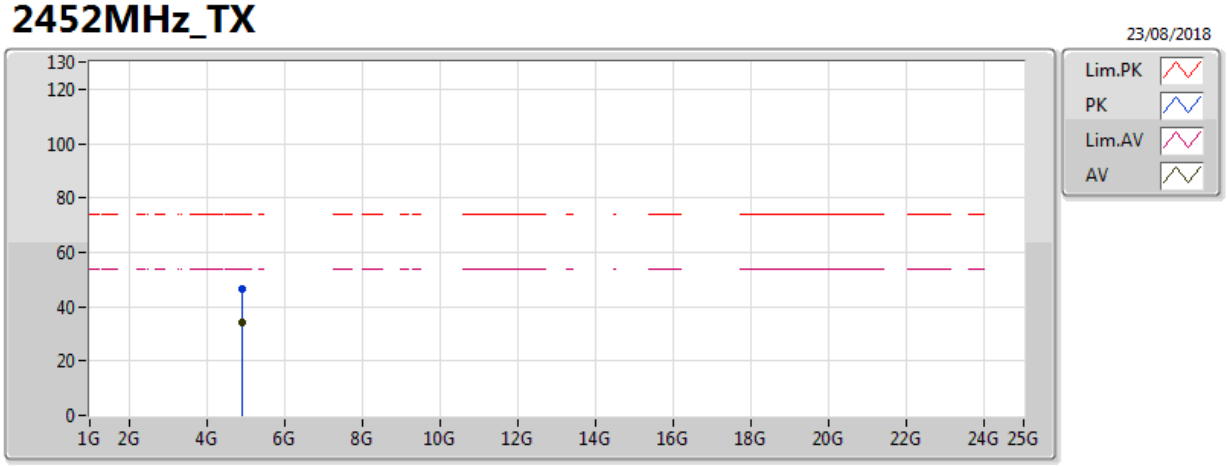


EUT Z_2TX
Setting 18
06-E-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3796G	56.55	74.00	-17.45	32.11	3	Horizontal	178	1.04	-
AV	2.382G	45.43	54.00	-8.57	32.12	3	Horizontal	178	1.04	-
PK	2.45G	101.08	Inf	-Inf	32.32	3	Horizontal	178	1.04	-
AV	2.45G	91.97	Inf	-Inf	32.32	3	Horizontal	178	1.04	-
PK	2.4848G	63.18	74.00	-10.82	32.43	3	Horizontal	178	1.04	-
AV	2.4848G	49.66	54.00	-4.34	32.43	3	Horizontal	178	1.04	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

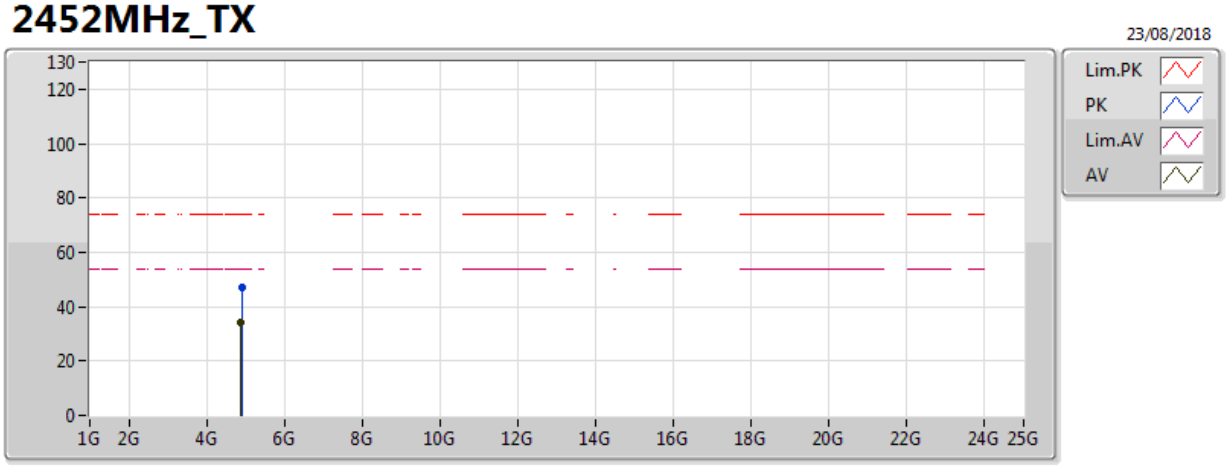


EUT Z_2TX
Setting 18
06-S-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90436G	46.30	74.00	-27.70	6.73	3	Vertical	80	1.51	-
AV	4.89928G	34.27	54.00	-19.73	6.72	3	Vertical	80	1.51	-

802.11n HT40_Nss1,(MCS0)_2TX

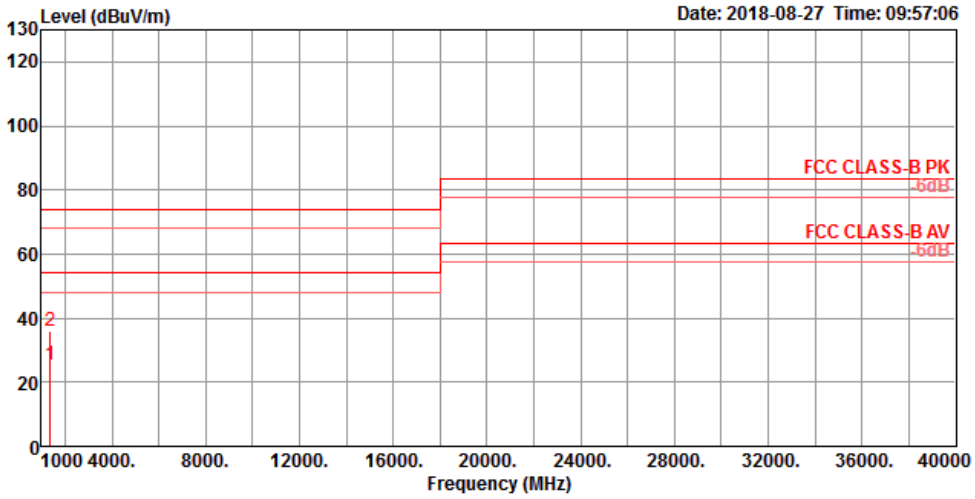
2452MHz_TX



EUT Z_2TX
Setting 18
06-S-5
FSP(100080)

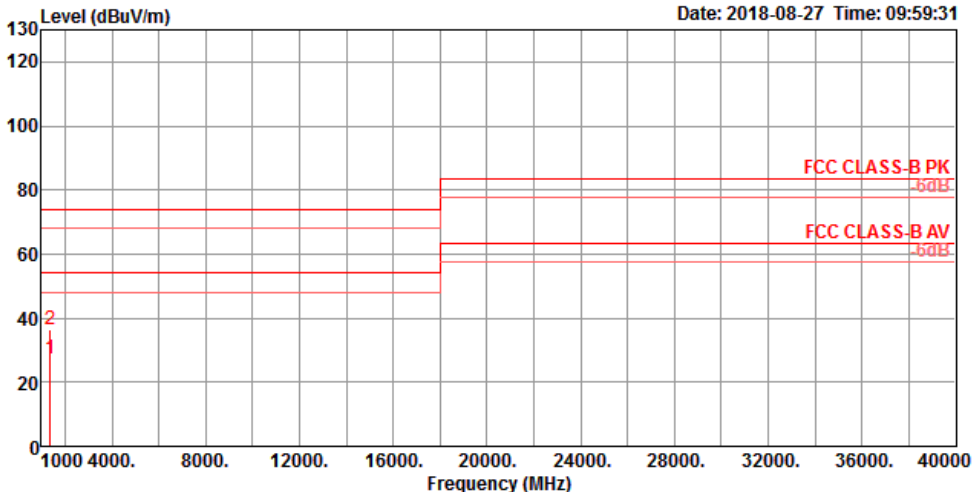
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.89628G	47.31	74.00	-26.69	6.71	3	Horizontal	291	1.06	-
AV	4.894G	34.45	54.00	-19.55	6.71	3	Horizontal	291	1.06	-

RSE Co-location Result			
Operating Mode	1	**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	1374.89	25.33	54.00	-28.67	34.35	2.74	25.16	36.92	131	233	Average	HORIZONTAL
2	1374.91	36.01	74.00	-37.99	45.03	2.74	25.16	36.92	131	233	Peak	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**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	1374.89	27.47	54.00	-26.53	36.49	2.74	25.16	36.92	100	120	Average	VERTICAL
2	1374.98	36.29	74.00	-37.71	45.31	2.74	25.16	36.92	100	120	Peak	VERTICAL