FCC RADIO TEST REPORT

FCC ID	:	TE7A9V6
Equipment	:	AC1900 Wireless MU-MIMO Gigabit Router
Brand Name	:	tp-link
Model Name	:	Archer A9
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 Sep. 10, 2018, and testing was started from Sep. 27, 2018 and completed on Oct. 30, 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.)

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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR890719AA	01	Initial issue of report	Nov. 23, 2018

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 judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.
Comments and Explanations:
None

Reviewed by: Cliff Chang
Report Producer: Vicky Huang

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	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX

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 Band 1	5GHz Band 4
1	1	TP-LINK	3101501875	Dipole Antenna	I-PEX	2.24	3.87	3.64
2	2	TP-LINK	3101501879	Dipole Antenna	I-PEX	2.24	3.87	3.64
3	3	TP-LINK	3101501872	Dipole Antenna	I-PEX	2.24	3.87	3.64
4	4	TP-LINK	3101502150	PIFA Antenna	N/A	1.83	-	-

Note: The EUT has four antennas.

For 2.4GHz function:

For IEEE 802.11b/g/n mode (4TX/4RX)

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3) and Ant. 4 (port 4) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac mode (3TX/3RX)

Ant. 1 (port 1), Ant. 2 (port 2) and Ant. 3 (port 3) could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.991	0.039	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	0.991	0.039	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	0.988	0.052	n/a (DC>=0.98)	n/a (DC>=0.98)

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming for 802.11n/ac in 5GHz	☐	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QSPR V5.0-00140			

1.1.5 Table for EUT support function

Function	Support type
AP Router mode	Master
Bridge mode	Master + Slave

Note:
The EUT supports both AP Router and Bridge mode. Bridge mode selected as representative mode because it is equipped with the most complicated functions.

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 v05
- 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	DK Chang	25.3°C / 46%	Sep. 28, 2018~Oct. 20, 2018
Radiated	03CH01-CB	Cola Fan	22°C / 54%	Sep. 27, 2018~Oct. 23, 2018
AC Conduction	CO02-CB	Rick Yeh	25°C / 60%	Oct. 30, 2018

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086D 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	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	15
2437MHz	18
2452MHz	18
2457MHz	16.5
2462MHz	16.5
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	10
2417MHz	15
2422MHz	18
2427MHz	20
2432MHz	20
2437MHz	22
2442MHz	21
2447MHz	19
2452MHz	17
2457MHz	15
2462MHz	11
802.11n HT20_Nss1,(MCS0)_4TX	-
2412MHz	9
2417MHz	13
2422MHz	15
2427MHz	18
2432MHz	20
2437MHz	21
2442MHz	19.5
2447MHz	19
2452MHz	17
2457MHz	15
2462MHz	11
802.11n HT40_Nss1,(MCS0)_4TX	-
2422MHz	9
2427MHz	10
2432MHz	12
2437MHz	14

Mode	Power Setting
2442MHz	12
2447MHz	10
2452MHz	9

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	Bridge mode 2.4G link AP + Adapter
2	Bridge mode 5G link AP + Adapter
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT at Y axis-Bridge mode 2.4G link AP + Adapter
2	EUT at Z axis-Bridge mode 2.4G link AP + Adapter
Mode 2 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT at Z axis-Bridge mode 5G link AP + Adapter
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT at Y axis

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 was performed at Y axis and Z axis position for Radiated emission test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.	
1	EUT at Z axis-WLAN 2.4GHz+WLAN 5GHz
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.: FA890719 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

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	tp-link	T120150-2B1	Input:100-240V~50/60Hz, 0.6A Output:12V, 1.5A

2.5 Support Equipment

For Test Site No: CO02-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*4	DELL	E6430	N/A
2	AP Router	ASUS	RP-N53	MSQ-RPN53
3	Flash disk3.0	Transcend	JetFlash-700	N/A

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

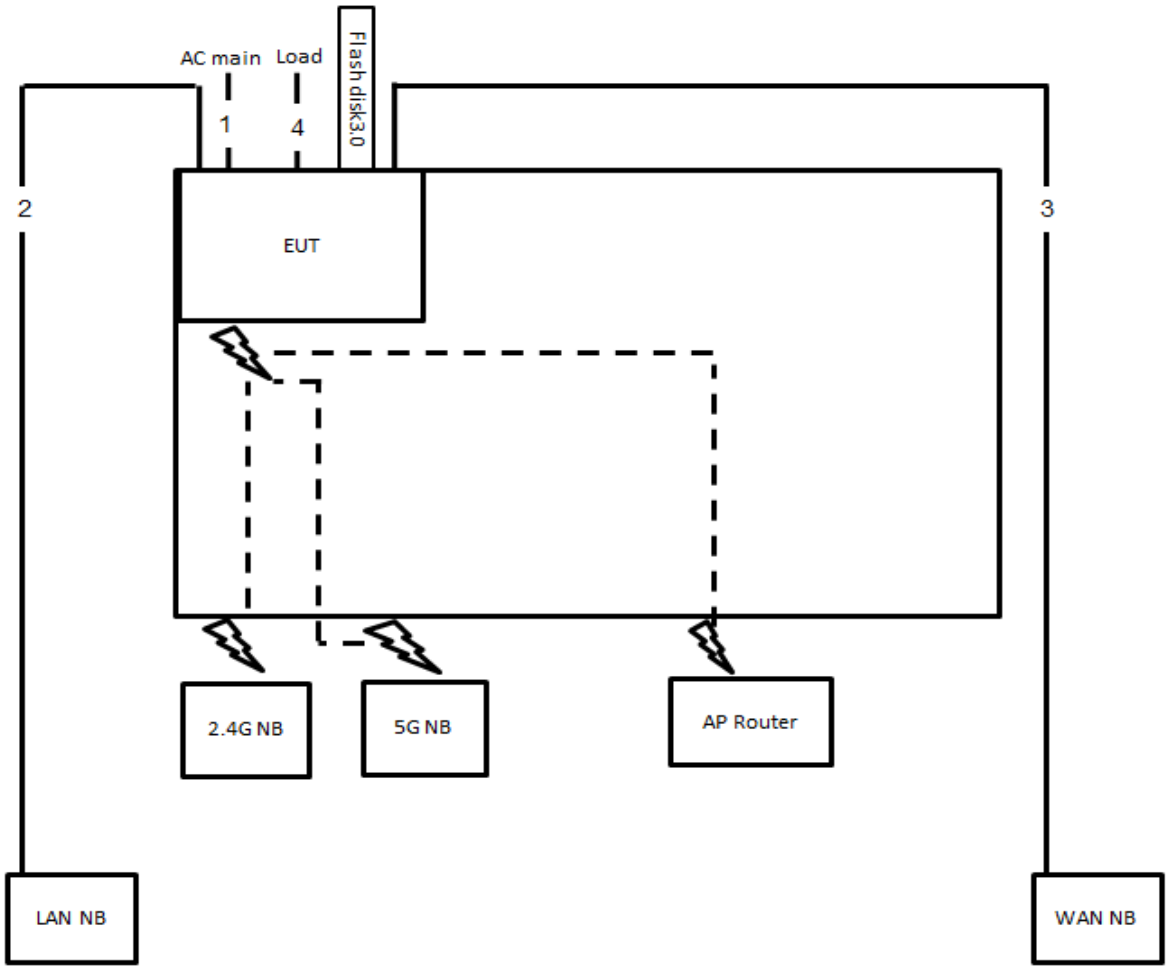
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*4	DELL	E4300	N/A
2	AP Route	NETGEAR	WNDR3300v2	PY309300116
3	Flash disk3.0	Silicon Power	B06	N/A

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	N/A

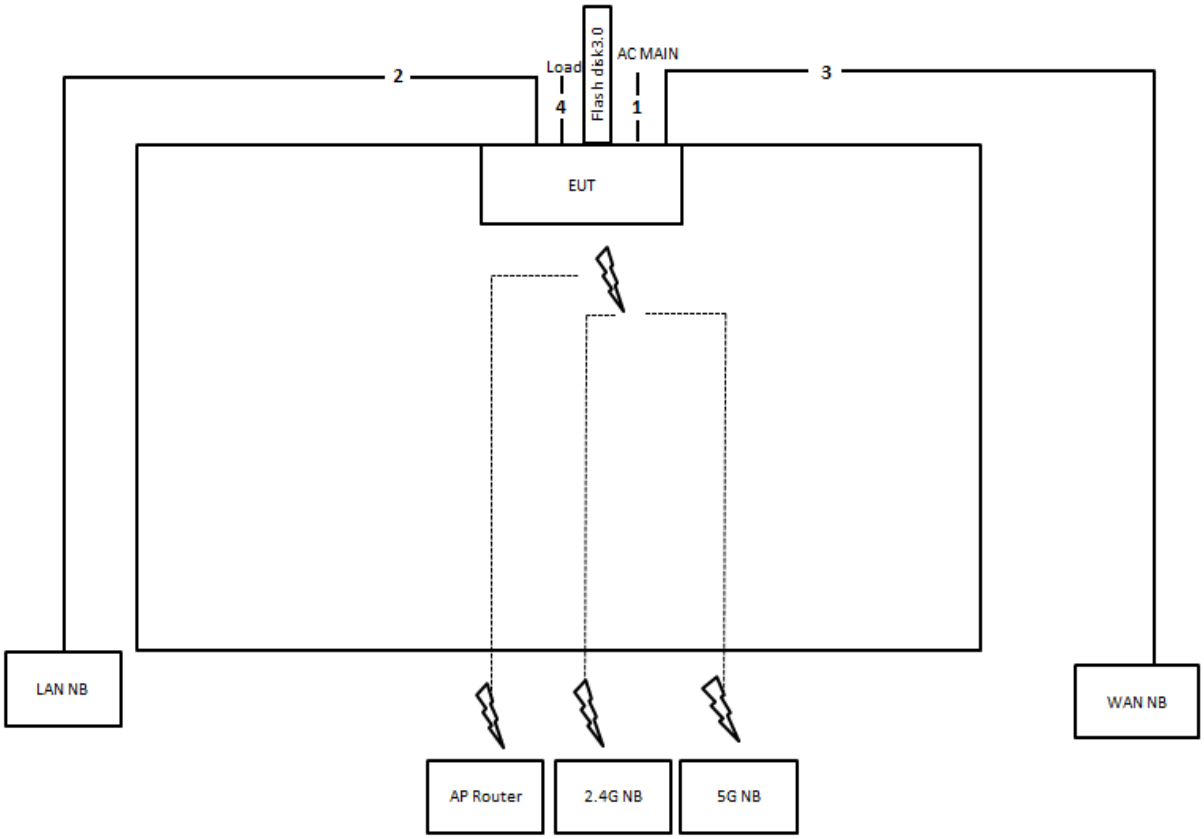
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



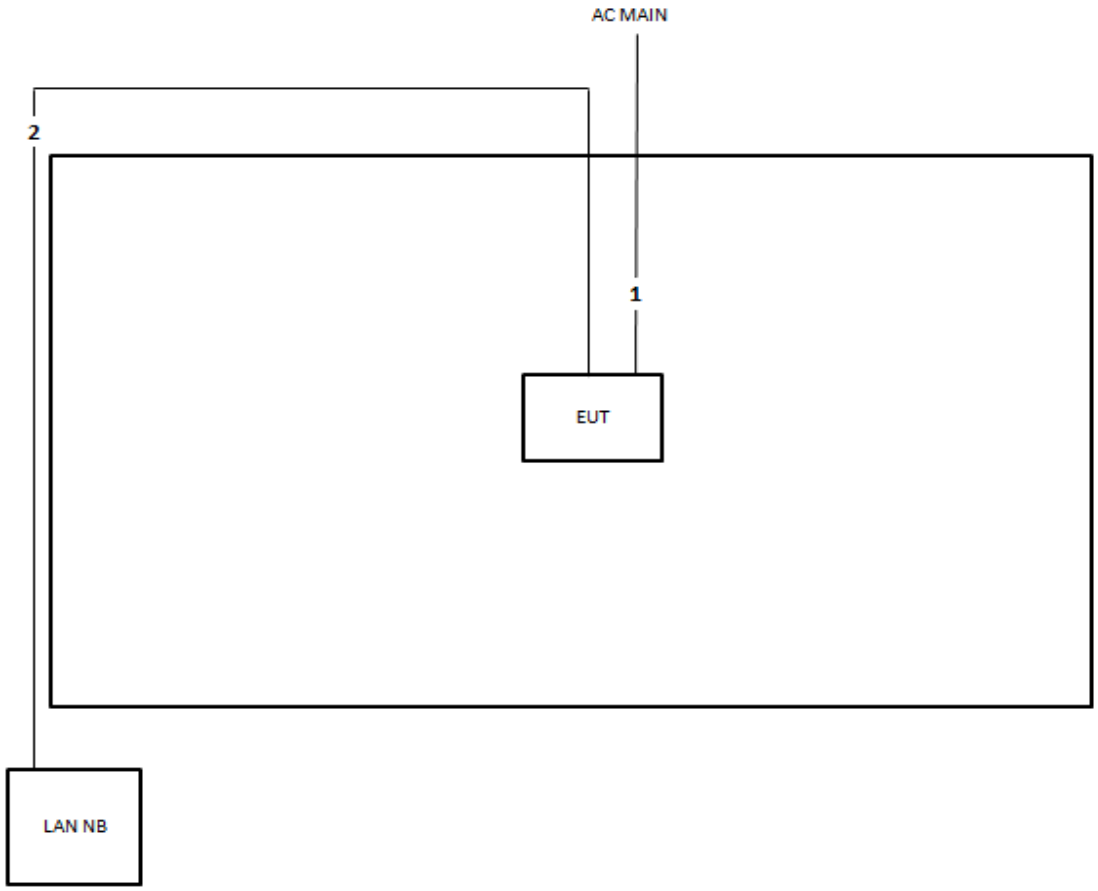
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable*3	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable*3	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz



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

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

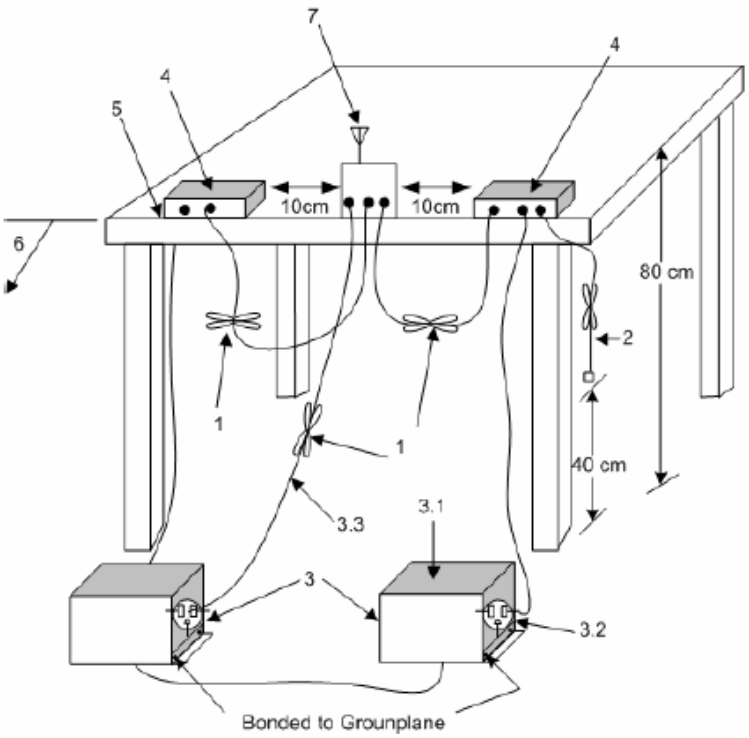
Refer a test equipment and calibration data table in this test report.

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.

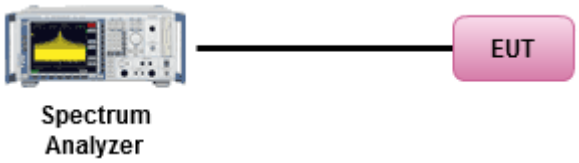
3.2.2 Measuring Instruments

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.

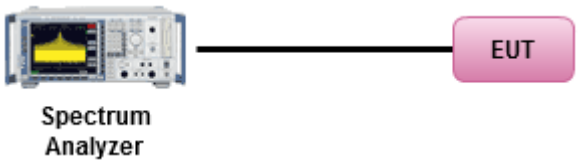
3.4.3 Test Procedures

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 11.10.6 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 (dB)**
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

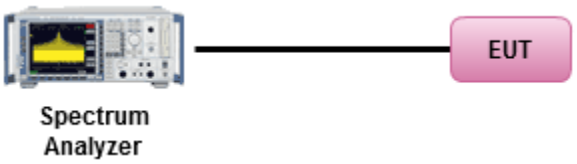
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as 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.

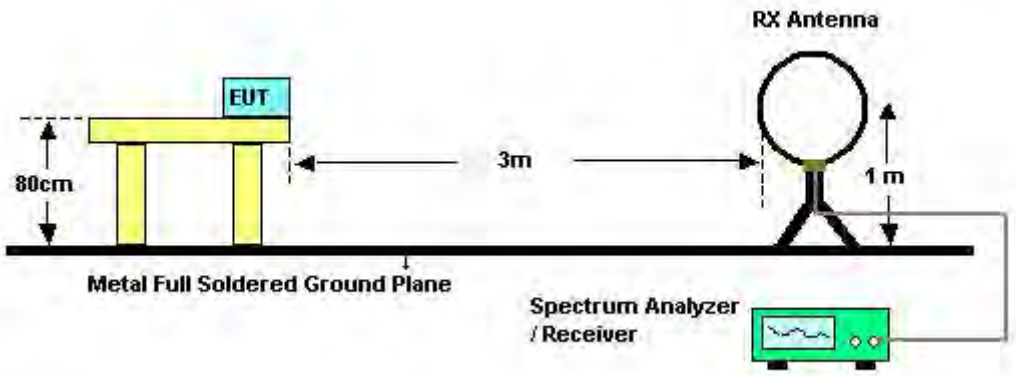
3.6.3 Test Procedures

Test Method		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ Refer as ANSI C63.10, clause 6.9.2.2 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 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.4 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.	

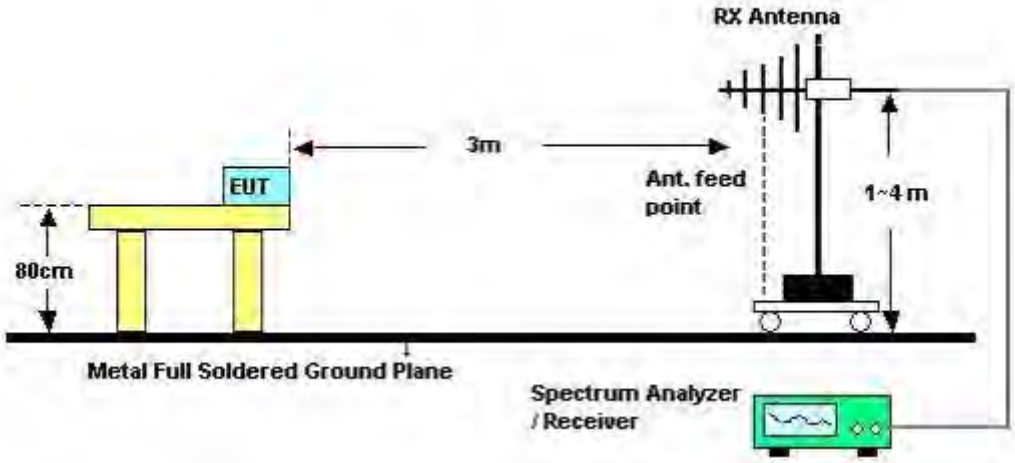
3.6.4 Test Setup

Transmitter Radiated Emissions

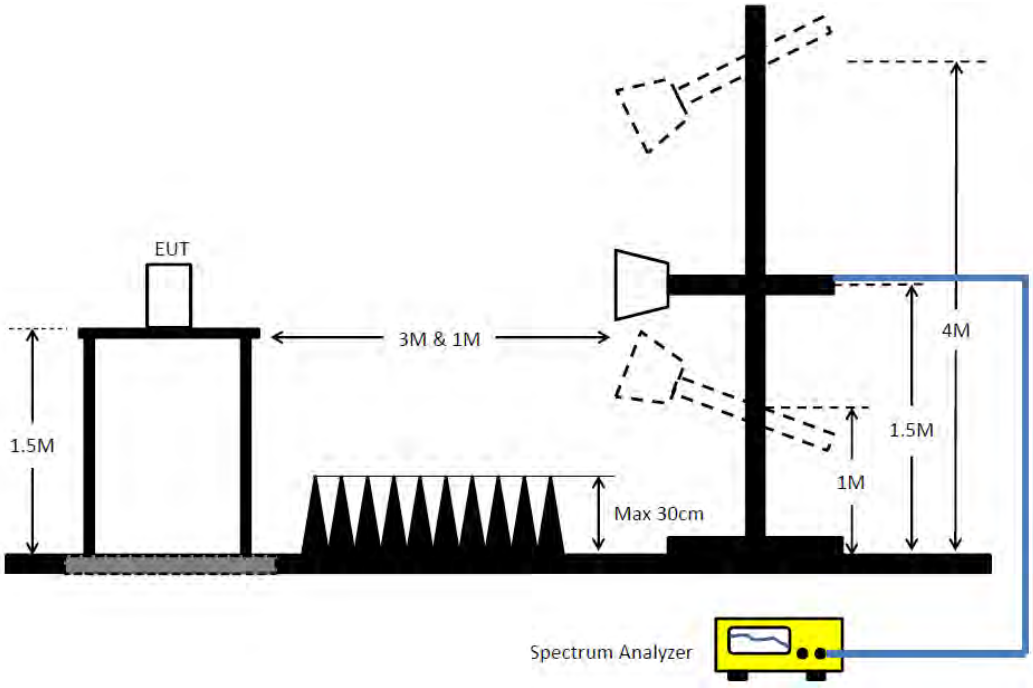
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Transmitter Radiated Unwanted Emissions (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 Transmitter Radiated Unwanted Emissions

Refer as Appendix F

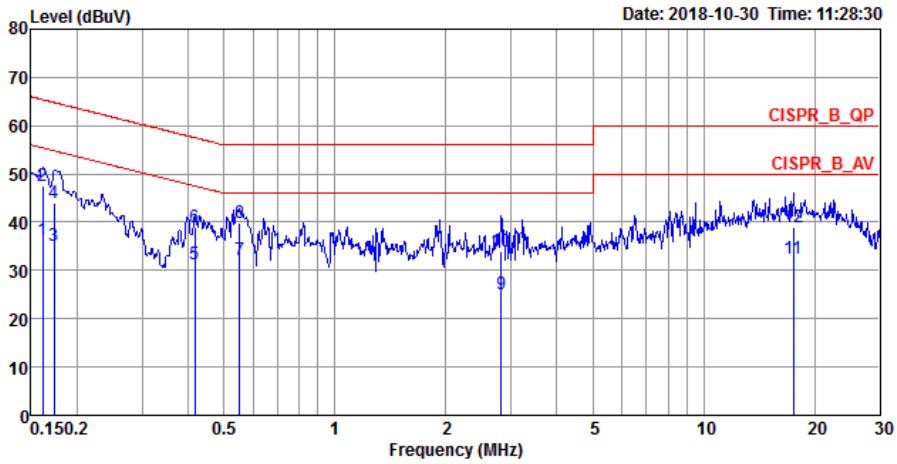
4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 24, 2017	Nov. 23, 2018	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 13, 2017	Nov. 12, 2018	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 17, 2018	Jan. 16, 2019	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 10, 2017	Nov. 09, 2018	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 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-H G	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-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	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	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	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)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	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)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 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-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320014	50MHz~18GHz	Apr. 17, 2018	Apr. 16, 2019	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

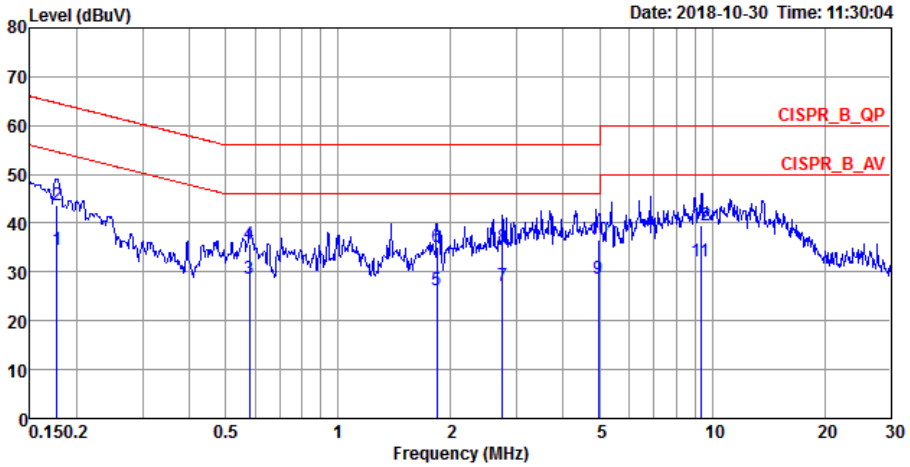
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1616	36.27	-19.11	55.38	26.10	10.16	0.01	Average	LINE
2	0.1616	47.50	-17.88	65.38	37.33	10.16	0.01	QP	LINE
3	0.1731	35.27	-19.54	54.81	25.10	10.16	0.01	Average	LINE
4	0.1731	44.11	-20.70	64.81	33.94	10.16	0.01	QP	LINE
5	0.4171	31.24	-16.27	47.51	21.05	10.16	0.03	Average	LINE
6	0.4171	39.11	-18.40	57.51	28.92	10.16	0.03	QP	LINE
7	0.5523	32.14	-13.86	46.00	21.95	10.16	0.03	Average	LINE
8	0.5523	39.98	-16.02	56.00	29.79	10.16	0.03	QP	LINE
9	2.8240	25.04	-20.96	46.00	14.78	10.20	0.06	Average	LINE
10	2.8240	33.98	-22.02	56.00	23.72	10.20	0.06	QP	LINE
11	17.4750	32.57	-17.43	50.00	22.07	10.39	0.11	Average	LINE
12	17.4750	38.92	-21.08	60.00	28.42	10.39	0.11	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	0.1768	34.49	-20.15	54.64	24.31	10.17	0.01	Average	NEUTRAL
2	0.1768	43.77	-20.87	64.64	33.59	10.17	0.01	QP	NEUTRAL
3	0.5792	28.77	-17.23	46.00	18.57	10.17	0.03	Average	NEUTRAL
4	0.5792	35.71	-20.29	56.00	25.51	10.17	0.03	QP	NEUTRAL
5	1.8386	26.41	-19.59	46.00	16.16	10.20	0.05	Average	NEUTRAL
6	1.8386	35.00	-21.00	56.00	24.75	10.20	0.05	QP	NEUTRAL
7	2.7502	27.28	-18.72	46.00	17.01	10.21	0.06	Average	NEUTRAL
8	2.7502	35.16	-20.84	56.00	24.89	10.21	0.06	QP	NEUTRAL
9	4.9597	28.55	-17.45	46.00	18.24	10.24	0.07	Average	NEUTRAL
10	4.9597	36.60	-19.40	56.00	26.29	10.24	0.07	QP	NEUTRAL
11	9.3024	32.27	-17.73	50.00	21.89	10.31	0.07	Average	NEUTRAL
12	9.3024	39.52	-20.48	60.00	29.14	10.31	0.07	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)_4TX	7.075M	12.294M	12M3G1D	6.05M	11.044M
802.11g_Nss1,(6Mbps)_4TX	15.275M	23.463M	23M5D1D	11.6M	16.092M
802.11n HT20_Nss1,(MCS0)_4TX	15.025M	23.338M	23M3D1D	12.475M	17.291M
802.11n HT40_Nss1,(MCS0)_4TX	35M	35.882M	35M9D1D	22.6M	35.682M

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

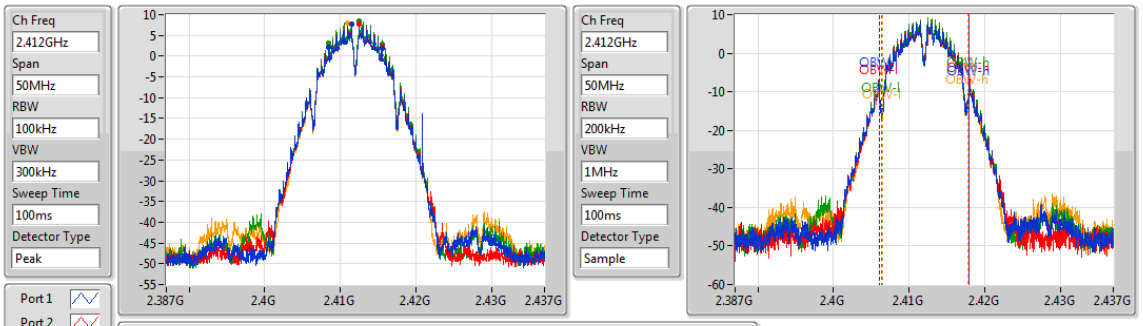
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	11.844M	7.075M	11.869M	7.05M	11.469M	7.025M	11.244M
2437MHz	Pass	500k	7.05M	12.294M	7.05M	12.244M	7M	12.144M	7.025M	11.969M
2462MHz	Pass	500k	7.025M	12.019M	6.05M	11.994M	7M	11.744M	7.025M	11.044M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	15M	16.092M	14.175M	16.192M	13.725M	16.217M	14.375M	16.192M
2437MHz	Pass	500k	13.725M	19.415M	14.075M	18.466M	15.075M	21.889M	15.075M	23.463M
2462MHz	Pass	500k	15.275M	16.217M	12.475M	16.192M	11.6M	16.192M	13.2M	16.192M
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	12.475M	17.291M	13.75M	17.341M	14.975M	17.316M	15.025M	17.366M
2437MHz	Pass	500k	14.95M	18.341M	13.775M	17.766M	15.025M	19.815M	13.85M	23.338M
2462MHz	Pass	500k	15M	17.391M	13.7M	17.341M	12.8M	17.366M	14.025M	17.416M
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	30M	35.732M	31.25M	35.682M	26.25M	35.732M	35M	35.782M
2437MHz	Pass	500k	22.6M	35.832M	30.05M	35.782M	28.75M	35.832M	30.05M	35.782M
2452MHz	Pass	500k	31.25M	35.882M	31.25M	35.782M	32.5M	35.832M	30M	35.832M

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

802.11b_Nss1,(1Mbps)_4TX — EBW

2412MHz

28/09/2018

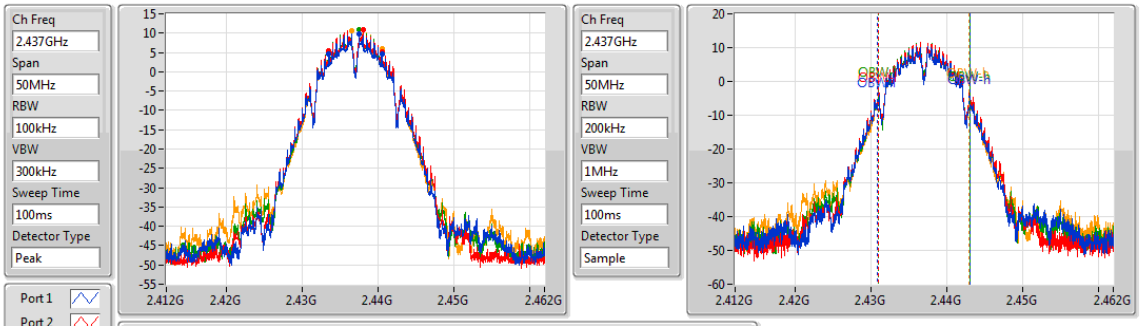


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.408475G	2.415525G	11.844M	2.406028G	2.417872G	500k	1
7.075M	2.40845G	2.415525G	11.869M	2.406078G	2.417947G	500k	2
7.05M	2.408475G	2.415525G	11.469M	2.406428G	2.417897G	500k	3
7.025M	2.408475G	2.4155G	11.244M	2.406528G	2.417772G	500k	4

802.11b_Nss1,(1Mbps)_4TX — EBW

2437MHz

28/09/2018

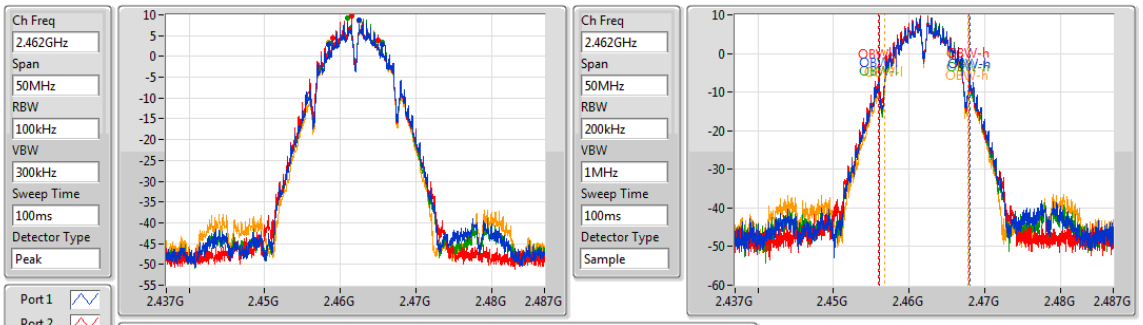


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.43345G	2.4405G	12.294M	2.430778G	2.443072G	500k	1
7.05M	2.433475G	2.440525G	12.244M	2.430878G	2.443122G	500k	2
7M	2.4335G	2.4405G	12.144M	2.430928G	2.443072G	500k	3
7.025M	2.433475G	2.4405G	11.969M	2.430978G	2.442947G	500k	4

802.11b_Nss1,(1Mbps)_4TX — EBW

2462MHz

28/09/2018

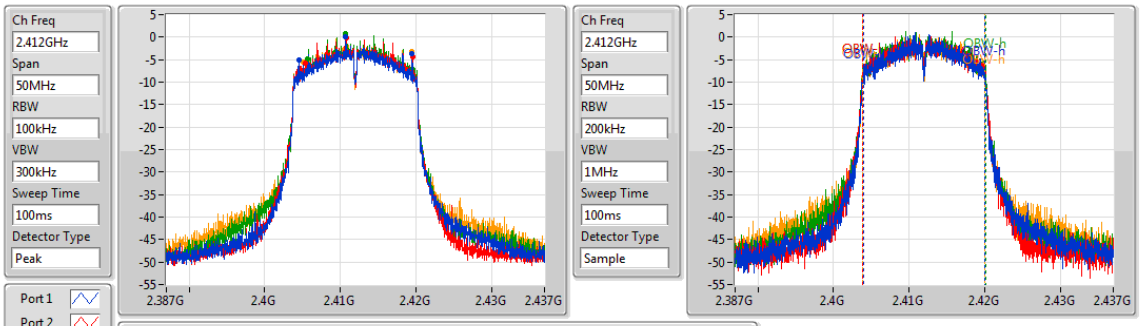


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	12.019M	2.456053G	2.468072G	500k	1
6.05M	2.45895G	2.465G	11.994M	2.455953G	2.467947G	500k	2
7M	2.458525G	2.465525G	11.744M	2.456128G	2.467872G	500k	3
7.025M	2.458475G	2.4655G	11.044M	2.456753G	2.467797G	500k	4

802.11g_Nss1,(6Mbps)_4TX — EBW

2412MHz

28/09/2018

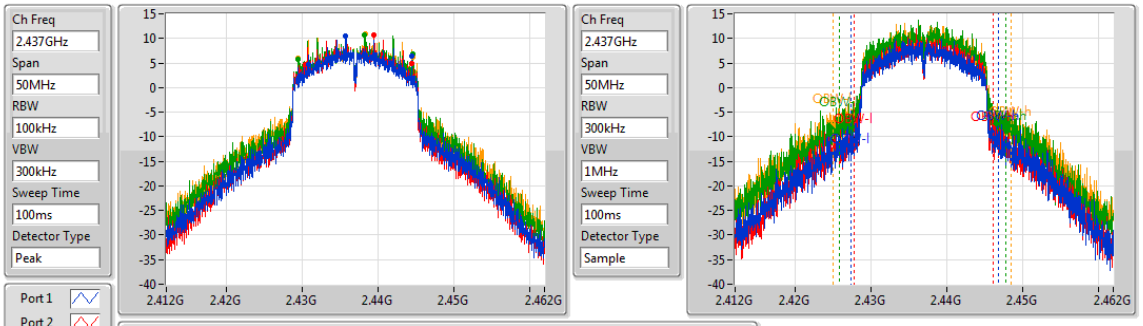


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.4045G	2.4195G	16.092M	2.403954G	2.420046G	500k	1
14.175M	2.40535G	2.419525G	16.192M	2.403879G	2.420071G	500k	2
13.725M	2.405725G	2.41945G	16.217M	2.403879G	2.420096G	500k	3
14.375M	2.405125G	2.4195G	16.192M	2.403879G	2.420071G	500k	4

802.11g_Nss1,(6Mbps)_4TX — EBW

2437MHz

28/09/2018

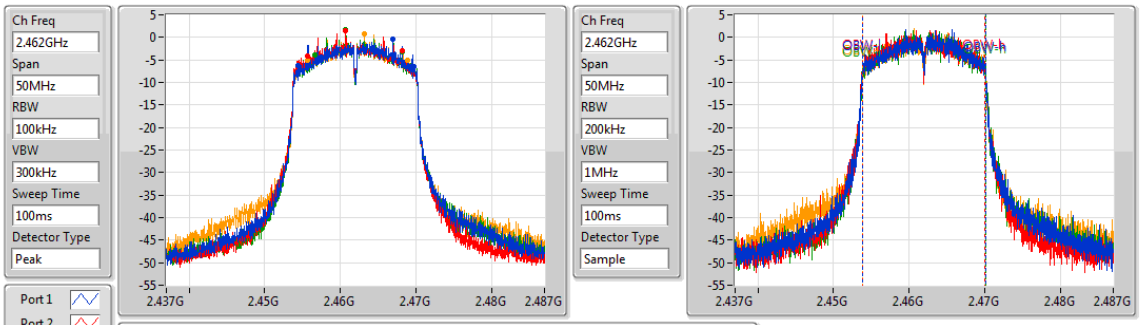


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.725M	2.43075G	2.444475G	19.415M	2.427355G	2.44677G	500k	1
14.075M	2.430375G	2.44445G	18.466M	2.427705G	2.44617G	500k	2
15.075M	2.42945G	2.444525G	21.889M	2.425856G	2.447745G	500k	3
15.075M	2.42945G	2.444525G	23.463M	2.425006G	2.448469G	500k	4

802.11g_Nss1,(6Mbps)_4TX — EBW

2462MHz

28/09/2018

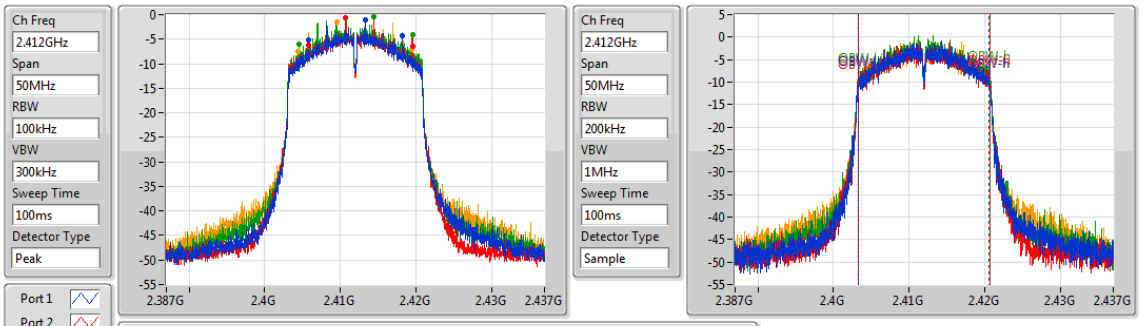


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.275M	2.454475G	2.46975G	16.217M	2.453879G	2.470096G	500k	1
12.475M	2.455725G	2.4682G	16.192M	2.453854G	2.470046G	500k	2
11.6M	2.4566G	2.4682G	16.192M	2.453904G	2.470096G	500k	3
13.2M	2.4557G	2.4689G	16.192M	2.453904G	2.470096G	500k	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

2412MHz

28/09/2018

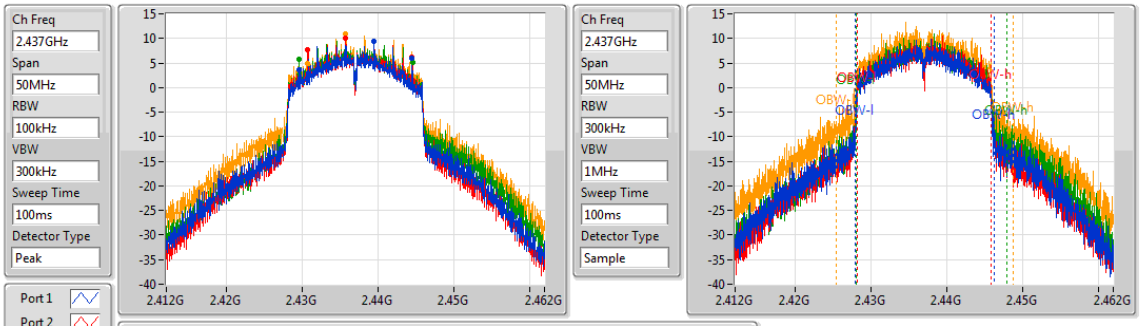


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.475M	2.405775G	2.41825G	17.291M	2.403329G	2.420621G	500k	1
13.75M	2.4058G	2.41955G	17.341M	2.403304G	2.420646G	500k	2
14.975M	2.40455G	2.419525G	17.316M	2.403354G	2.420671G	500k	3
15.025M	2.404425G	2.41945G	17.366M	2.403304G	2.420671G	500k	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

2437MHz

28/09/2018

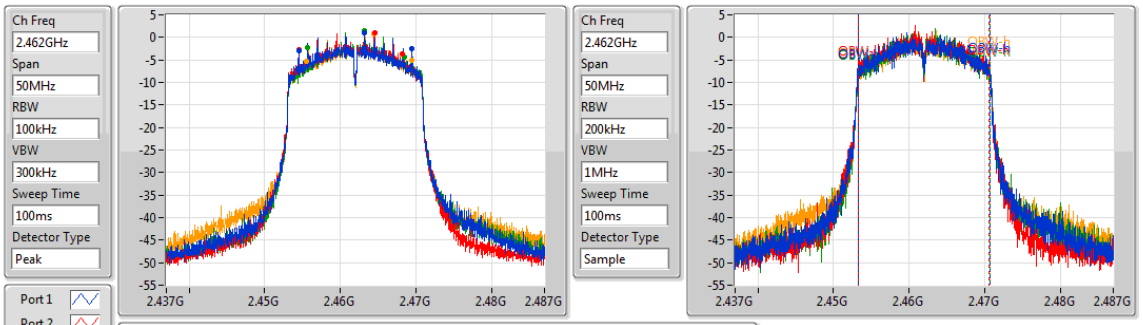


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.95M	2.42955G	2.4445G	18.341M	2.42788G	2.44622G	500k	1
13.775M	2.430725G	2.4445G	17.766M	2.428104G	2.445871G	500k	2
15.025M	2.429525G	2.44455G	19.815M	2.428054G	2.44787G	500k	3
13.85M	2.4307G	2.44455G	23.338M	2.425431G	2.448769G	500k	4

802.11n HT20_Nss1,(MCS0)_4TX EBW

2462MHz

28/09/2018

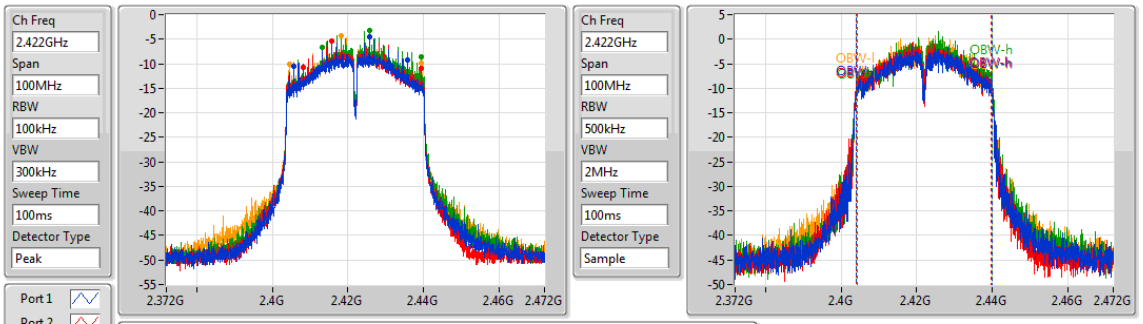


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.4545G	2.4695G	17.391M	2.453279G	2.470671G	500k	1
13.7M	2.4545G	2.4682G	17.341M	2.453279G	2.470621G	500k	2
12.8M	2.4557G	2.4685G	17.366M	2.453304G	2.470671G	500k	3
14.025M	2.455475G	2.4695G	17.416M	2.453279G	2.470696G	500k	4

802.11n HT40_Nss1,(MCS0)_4TX **EBW**

2422MHz

28/09/2018

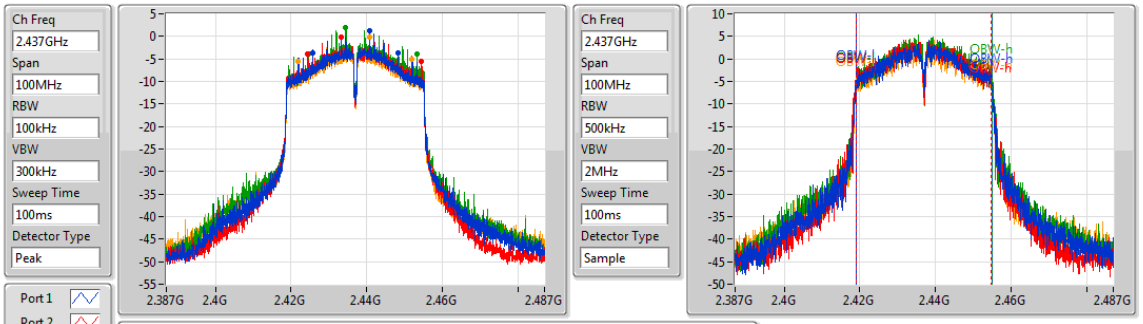


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30M	2.40575G	2.43575G	35.732M	2.404159G	2.439891G	500k	1
31.25M	2.4082G	2.43945G	35.682M	2.404109G	2.439791G	500k	2
26.25M	2.4132G	2.43945G	35.732M	2.404209G	2.439941G	500k	3
35M	2.4045G	2.4395G	35.782M	2.404109G	2.439891G	500k	4

802.11n HT40_Nss1,(MCS0)_4TX **EBW**

2437MHz

28/09/2018

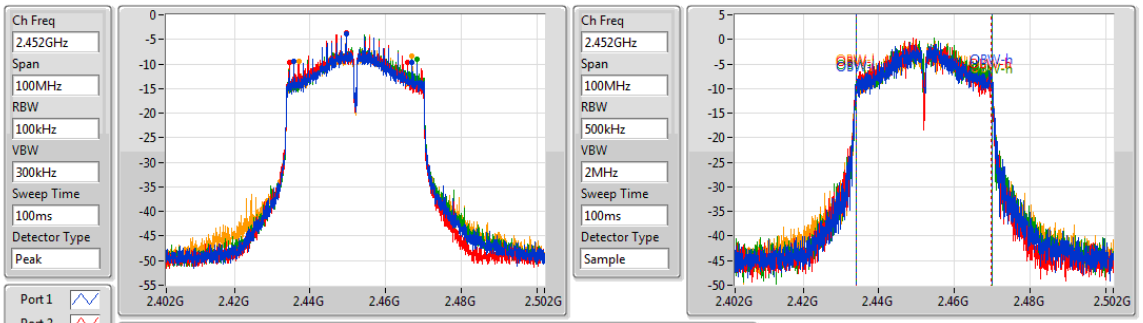


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.6M	2.4257G	2.4483G	35.832M	2.419059G	2.454891G	500k	1
30.05M	2.42445G	2.4545G	35.782M	2.419009G	2.454791G	500k	2
28.75M	2.4245G	2.45325G	35.832M	2.419109G	2.454941G	500k	3
30.05M	2.42195G	2.452G	35.782M	2.419109G	2.454891G	500k	4

802.11n HT40_Nss1,(MCS0)_4TX **EBW**

2452MHz

28/09/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.25M	2.43575G	2.467G	35.882M	2.434059G	2.469941G	500k	1
31.25M	2.4345G	2.46575G	35.782M	2.434009G	2.469791G	500k	2
32.5M	2.43575G	2.46825G	35.832M	2.434059G	2.469891G	500k	3
30M	2.437G	2.467G	35.832M	2.434109G	2.469941G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	25.09	0.32285
802.11g_Nss1,(6Mbps)_4TX	27.45	0.55590
802.11n HT20_Nss1,(MCS0)_4TX	26.84	0.48306
802.11n HT40_Nss1,(MCS0)_4TX	19.77	0.09484

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.24	15.93	16.27	16.92	16.45	22.43	30.00
2437MHz	Pass	2.24	19.02	19.18	19.22	18.84	25.09	30.00
2452MHz	Pass	2.24	18.39	19.35	18.39	18.97	24.81	30.00
2457MHz	Pass	2.24	16.61	17.34	17.79	16.95	23.22	30.00
2462MHz	Pass	2.24	16.55	17.13	17.49	17.19	23.12	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.24	10.84	10.95	11.83	11.56	17.34	30.00
2417MHz	Pass	2.24	15.37	16.11	16.32	15.88	21.95	30.00
2422MHz	Pass	2.24	17.98	18.61	18.97	18.89	24.65	30.00
2427MHz	Pass	2.24	19.79	19.66	20.48	19.77	25.96	30.00
2432MHz	Pass	2.24	19.73	20.04	20.14	19.71	25.93	30.00
2437MHz	Pass	2.24	21.04	21.22	22.06	21.31	27.45	30.00
2442MHz	Pass	2.24	20.06	20.35	20.79	21.31	26.67	30.00
2447MHz	Pass	2.24	18.95	19.18	19.55	19.49	25.32	30.00
2452MHz	Pass	2.24	17.06	17.97	17.65	17.87	23.67	30.00
2457MHz	Pass	2.24	15.70	16.12	15.91	15.76	21.90	30.00
2462MHz	Pass	2.24	12.02	12.26	11.96	12.08	18.10	30.00
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.24	9.66	9.83	10.71	10.54	16.23	30.00
2417MHz	Pass	2.24	13.66	13.69	14.05	13.87	19.84	30.00
2422MHz	Pass	2.24	15.19	16.08	15.83	15.67	21.73	30.00
2427MHz	Pass	2.24	17.82	18.32	19.06	18.32	24.42	30.00
2432MHz	Pass	2.24	19.57	19.66	20.17	19.70	25.80	30.00
2437MHz	Pass	2.24	20.15	20.58	21.13	21.31	26.84	30.00
2442MHz	Pass	2.24	18.48	18.77	19.27	19.08	24.93	30.00
2447MHz	Pass	2.24	18.70	19.04	19.27	19.17	25.07	30.00
2452MHz	Pass	2.24	17.04	17.90	17.45	17.78	23.58	30.00
2457MHz	Pass	2.24	15.49	16.15	15.71	15.17	21.67	30.00
2462MHz	Pass	2.24	12.11	12.36	11.85	12.01	18.11	30.00
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	2.24	8.38	8.84	9.77	9.24	15.11	30.00
2427MHz	Pass	2.24	9.57	9.93	10.98	10.27	16.24	30.00
2432MHz	Pass	2.24	11.56	11.25	12.57	12.09	17.92	30.00
2437MHz	Pass	2.24	13.58	13.64	14.37	13.34	19.77	30.00

AV Power Result

Appendix C

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
2442MHz	Pass	2.24	11.53	11.65	12.42	11.58	17.83	30.00
2447MHz	Pass	2.24	9.70	9.57	10.66	9.80	15.97	30.00
2452MHz	Pass	2.24	8.76	9.25	9.38	9.07	15.14	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)_4TX	1.75
802.11g_Nss1,(6Mbps)_4TX	3.61
802.11n HT20_Nss1,(MCS0)_4TX	1.21
802.11n HT40_Nss1,(MCS0)_4TX	-9.04

RBW=3kHz.

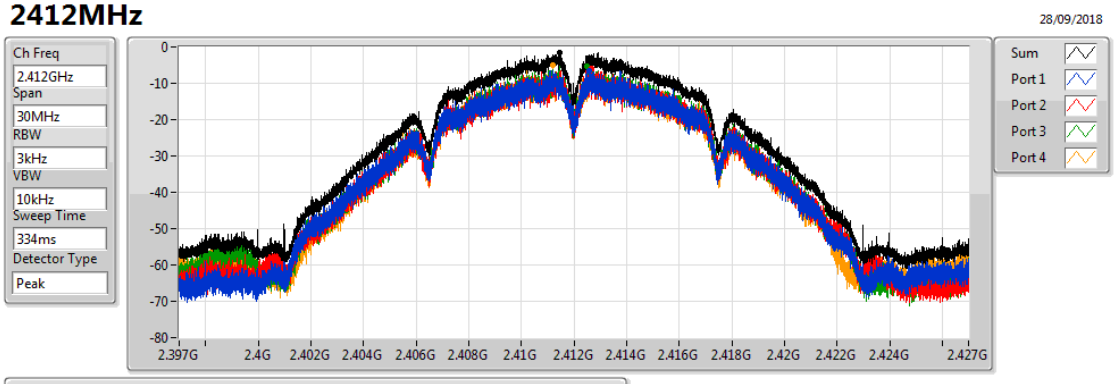
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.16	-6.41	-6.04	-5.22	-5.03	-1.64	5.84
2437MHz	Pass	8.16	-4.12	-3.40	-2.87	-2.40	1.75	5.84
2462MHz	Pass	8.16	-4.26	-4.21	-5.18	-4.18	1.14	5.84
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.16	-12.57	-12.79	-12.74	-12.93	-8.77	5.84
2437MHz	Pass	8.16	-0.93	-3.34	1.03	-3.38	3.61	5.84
2462MHz	Pass	8.16	-11.57	-12.69	-11.61	-12.47	-8.18	5.84
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.16	-14.54	-13.42	-13.95	-15.02	-9.57	5.84
2437MHz	Pass	8.16	-1.66	-3.71	-3.56	-3.66	1.21	5.84
2462MHz	Pass	8.16	-12.24	-12.94	-12.69	-12.56	-8.84	5.84
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	8.16	-19.08	-18.34	-16.94	-17.18	-13.62	5.84
2437MHz	Pass	8.16	-12.68	-12.07	-11.70	-14.13	-9.04	5.84
2452MHz	Pass	8.16	-17.32	-16.96	-17.53	-16.67	-13.68	5.84

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)_4TX **PSD**

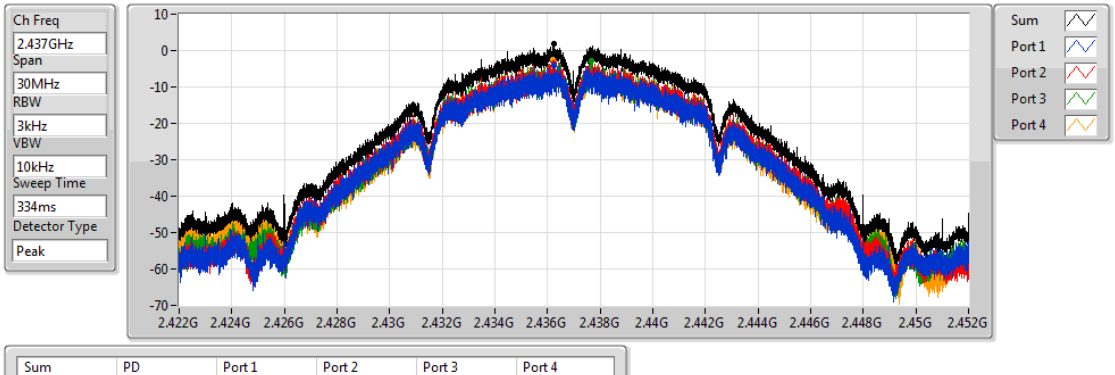
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.64	-1.64	-6.41	-6.04	-5.22	-5.03

802.11b_Nss1,(1Mbps)_4TX **PSD**

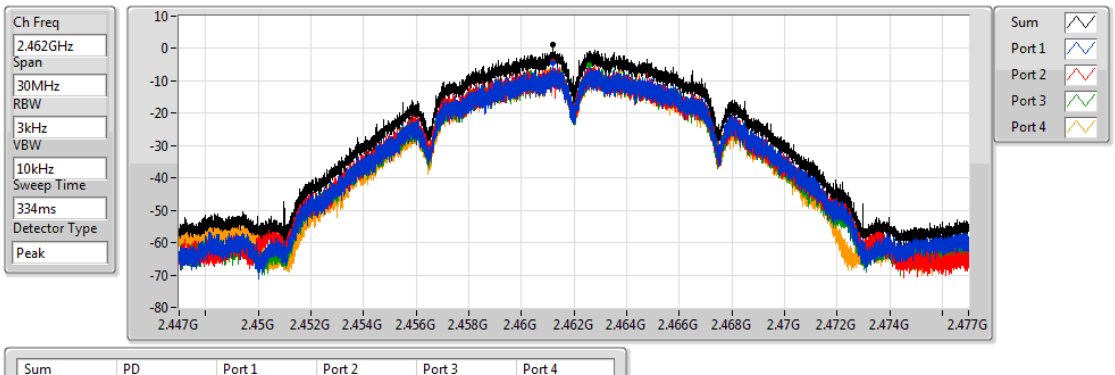
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.75	1.75	-4.12	-3.40	-2.87	-2.40

802.11b_Nss1,(1Mbps)_4TX **PSD**

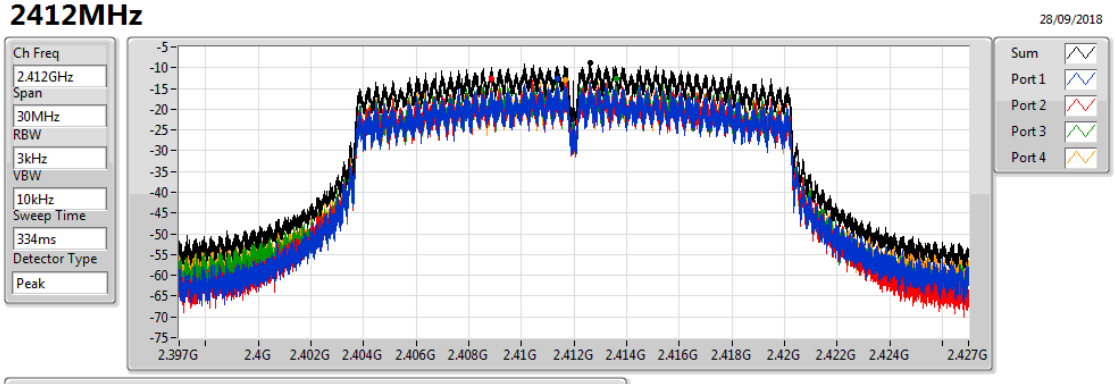
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.14	1.14	-4.26	-4.21	-5.18	-4.18

802.11g_Nss1,(6Mbps)_4TX PSD

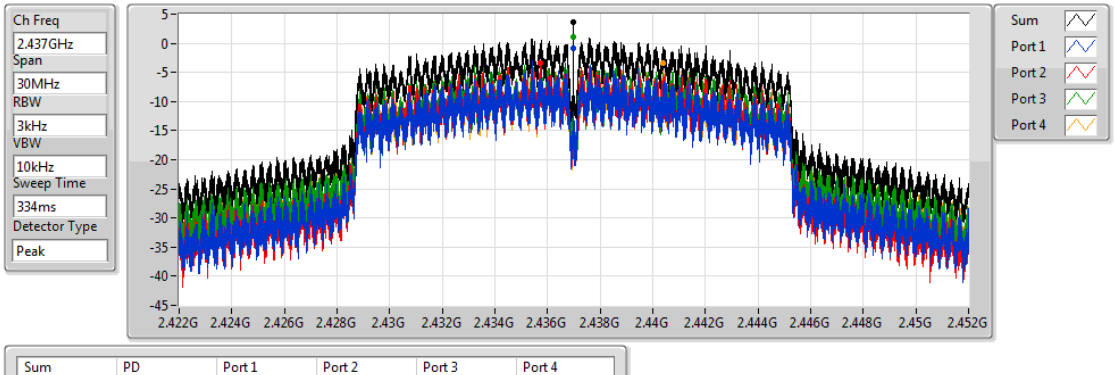
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.77	-8.77	-12.57	-12.79	-12.74	-12.93

802.11g_Nss1,(6Mbps)_4TX PSD

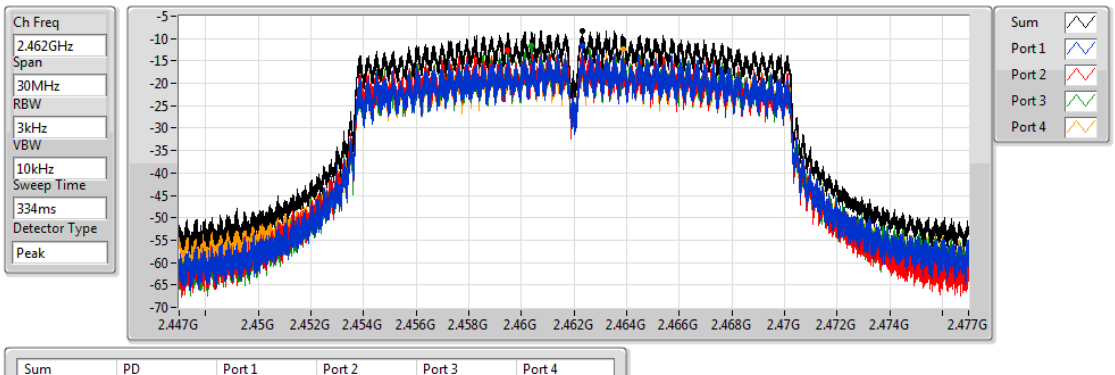
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.61	3.61	-0.93	-3.34	1.03	-3.38

802.11g_Nss1,(6Mbps)_4TX PSD

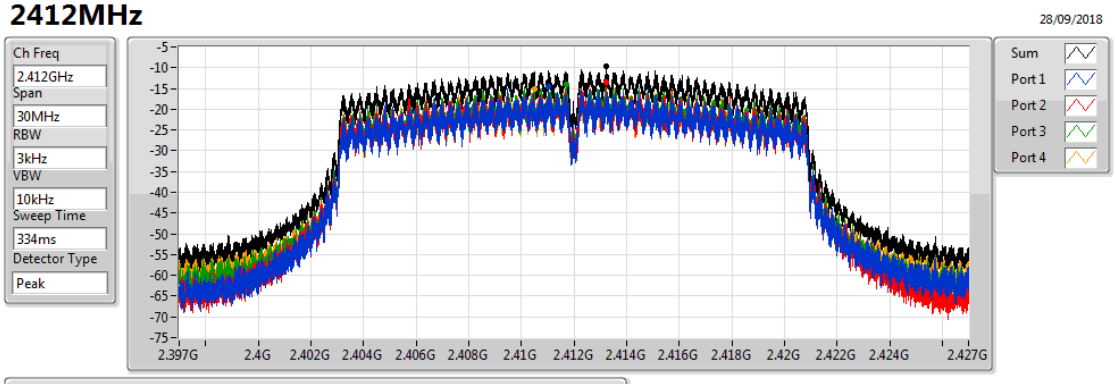
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.18	-8.18	-11.57	-12.69	-11.61	-12.47

802.11n HT20_Nss1,(MCS0)_4TX PSD

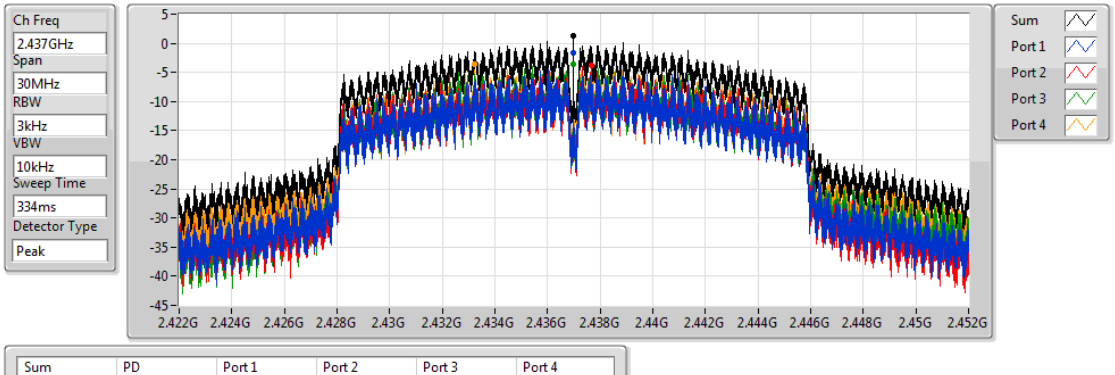
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.57	-9.57	-14.54	-13.42	-13.95	-15.02

802.11n HT20_Nss1,(MCS0)_4TX PSD

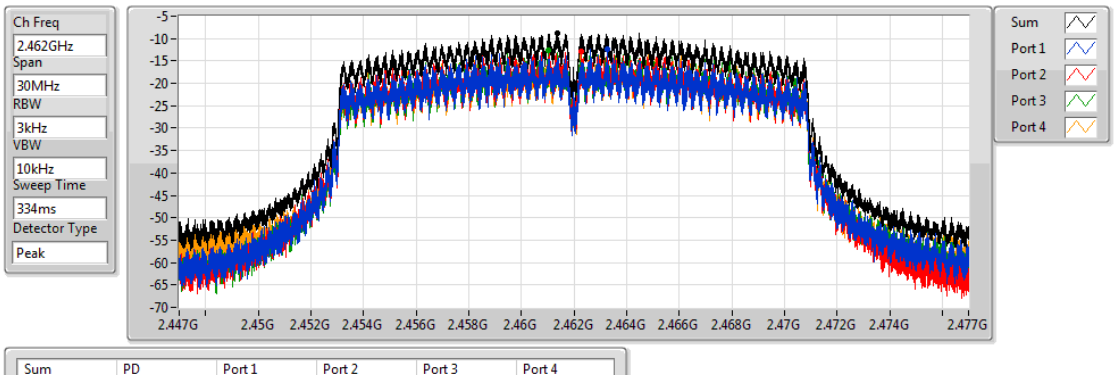
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.21	1.21	-1.66	-3.71	-3.56	-3.66

802.11n HT20_Nss1,(MCS0)_4TX PSD

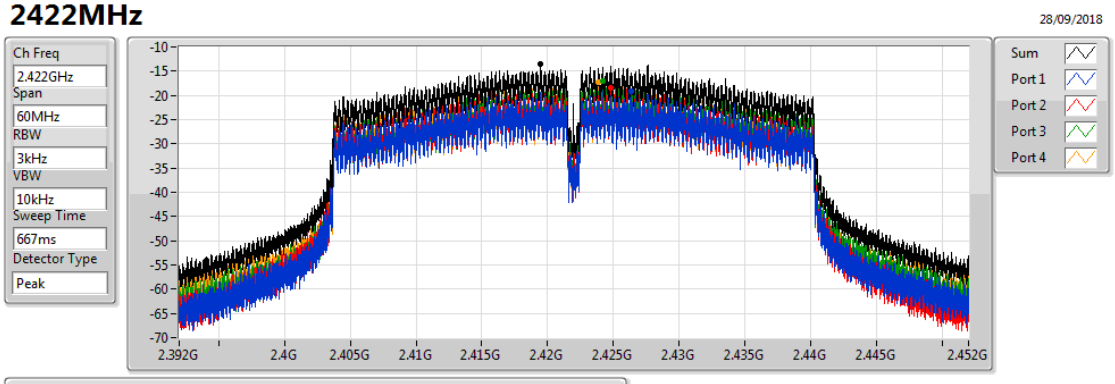
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.84	-8.84	-12.24	-12.94	-12.69	-12.56

802.11n HT40_Nss1,(MCS0)_4TX **PSD**

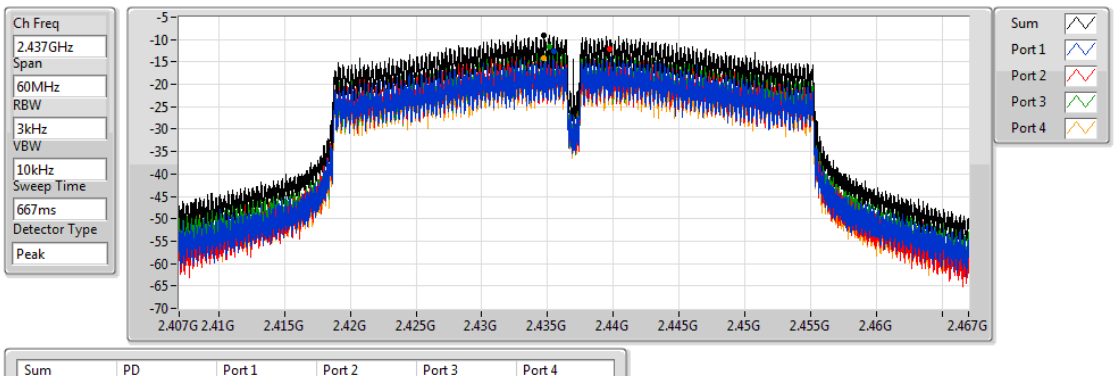
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.62	-13.62	-19.08	-18.34	-16.94	-17.18

802.11n HT40_Nss1,(MCS0)_4TX **PSD**

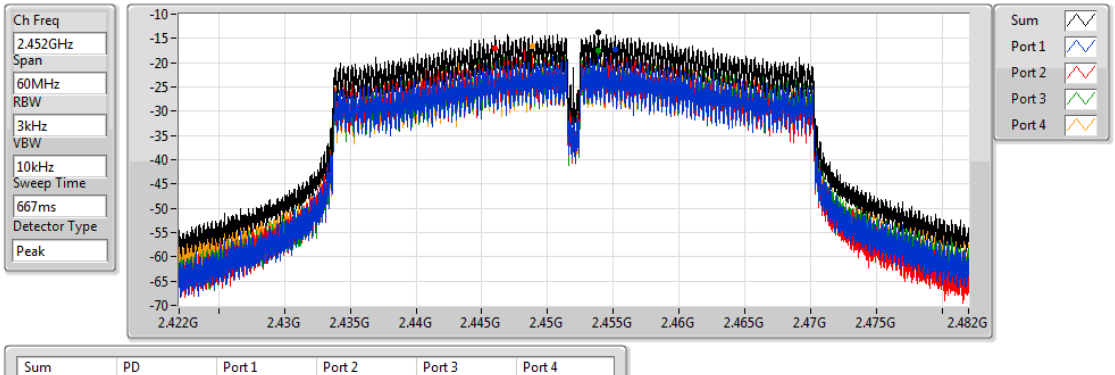
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.04	-9.04	-12.68	-12.07	-11.70	-14.13

802.11n HT40_Nss1,(MCS0)_4TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.68	-13.68	-17.32	-16.96	-17.53	-16.67

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)_4TX	Pass	2.438076G	10.92	-19.08	802.395M	-55.26	2.39856G	-39.14	2.48662G	-56.08	6.223694G	-52.75	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.439412G	9.60	-20.40	1.62139G	-56.07	2.39864G	-36.57	2.48622G	-44.88	6.813702G	-52.48	4
802.11n HT20_Nss1,(MCS0)_4TX	Pass	2.438243G	9.97	-20.03	2.30175G	-58.30	2.3992G	-36.27	2.48374G	-44.31	6.934513G	-52.46	4
802.11n HT40_Nss1,(MCS0)_4TX	Pass	2.440748G	2.21	-27.79	2.140235G	-58.11	2.39968G	-37.22	2.55854G	-56.99	6.980686G	-53.11	4

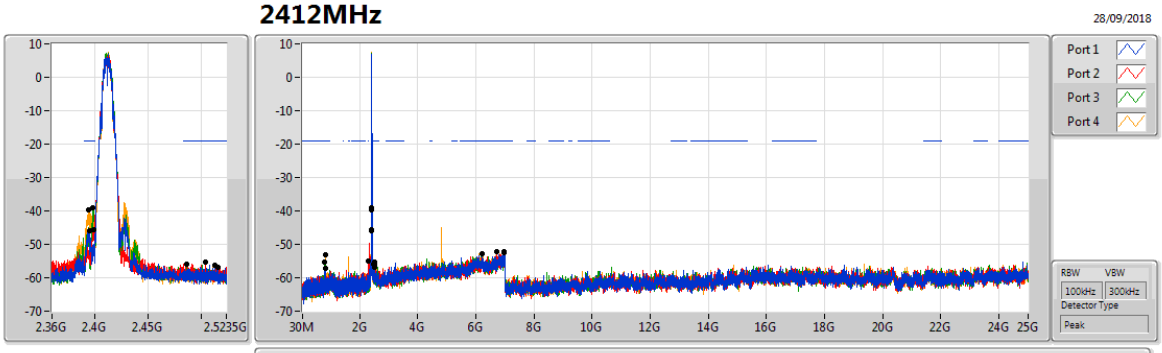
Result

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)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438076G	10.92	-19.08	804.725M	-57.13	2.39504G	-45.93	2.51294G	-56.14	6.979466G	-52.20	1
2412MHz	Pass	2.438076G	10.92	-19.08	2.30408G	-54.88	2.39904G	-45.55	2.50374G	-55.17	6.720986G	-52.27	2
2412MHz	Pass	2.438076G	10.92	-19.08	802.395M	-55.26	2.39856G	-39.14	2.48662G	-56.08	6.223694G	-52.75	3
2412MHz	Pass	2.438076G	10.92	-19.08	804.725M	-53.01	2.394G	-39.60	2.51542G	-56.86	6.962609G	-52.62	4
2437MHz	Pass	2.438076G	10.92	-19.08	811.715M	-56.26	2.39488G	-55.89	2.50078G	-55.50	3.248367G	-49.02	1
2437MHz	Pass	2.438076G	10.92	-19.08	2.30408G	-57.77	2.39776G	-54.78	2.49662G	-55.26	6.838988G	-51.62	2
2437MHz	Pass	2.438076G	10.92	-19.08	812.88M	-56.44	2.3984G	-55.25	2.48358G	-53.89	6.968228G	-51.93	3
2437MHz	Pass	2.438076G	10.92	-19.08	1.624885G	-52.91	2.39928G	-52.10	2.5039G	-55.26	6.95699G	-51.66	4
2462MHz	Pass	2.438076G	10.92	-19.08	821.035M	-56.64	2.39896G	-57.51	2.48598G	-50.46	6.822131G	-52.37	1
2462MHz	Pass	2.438076G	10.92	-19.08	2.30641G	-55.14	2.39088G	-54.80	2.48358G	-54.48	6.855845G	-52.47	2
2462MHz	Pass	2.438076G	10.92	-19.08	822.2M	-54.73	2.39632G	-57.30	2.48638G	-49.39	6.917656G	-52.70	3
2462MHz	Pass	2.438076G	10.92	-19.08	1.641195G	-55.10	2.392G	-57.38	2.48854G	-46.94	6.996324G	-51.53	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.439412G	9.60	-20.40	873.46M	-58.00	2.39968G	-41.60	2.50398G	-55.78	6.847417G	-51.13	1
2412MHz	Pass	2.439412G	9.60	-20.40	2.30874G	-54.78	2.39984G	-41.32	2.50374G	-55.87	6.917656G	-52.38	2
2412MHz	Pass	2.439412G	9.60	-20.40	809.385M	-58.75	2.39976G	-37.12	2.48654G	-56.00	6.926084G	-52.00	3
2412MHz	Pass	2.439412G	9.60	-20.40	804.725M	-57.80	2.39736G	-38.01	2.49598G	-56.51	6.704129G	-53.05	4
2437MHz	Pass	2.439412G	9.60	-20.40	1.631875G	-57.97	2.39856G	-41.50	2.48382G	-48.59	6.136597G	-53.06	1
2437MHz	Pass	2.439412G	9.60	-20.40	1.78682G	-57.24	2.39992G	-40.43	2.48502G	-49.57	6.962609G	-52.13	2
2437MHz	Pass	2.439412G	9.60	-20.40	810.55M	-57.02	2.39992G	-37.69	2.48478G	-43.17	6.987895G	-52.59	3
2437MHz	Pass	2.439412G	9.60	-20.40	1.62139G	-56.07	2.39864G	-36.57	2.48622G	-44.88	6.813702G	-52.48	4
2462MHz	Pass	2.439412G	9.60	-20.40	880.45M	-58.11	2.39256G	-58.13	2.48478G	-48.16	6.830559G	-52.93	1
2462MHz	Pass	2.439412G	9.60	-20.40	2.30874G	-55.95	2.39344G	-56.05	2.48622G	-54.30	6.838988G	-52.50	2
2462MHz	Pass	2.439412G	9.60	-20.40	817.54M	-57.69	2.3956G	-57.53	2.48422G	-47.98	6.886751G	-52.91	3
2462MHz	Pass	2.439412G	9.60	-20.40	822.2M	-57.32	2.392G	-56.70	2.48406G	-44.69	6.917656G	-53.12	4
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	9.97	-20.03	1.739055G	-58.37	2.39864G	-44.05	2.51622G	-56.94	6.861465G	-52.27	1
2412MHz	Pass	2.438243G	9.97	-20.03	2.30641G	-53.91	2.39992G	-44.06	2.5031G	-54.86	6.777178G	-52.51	2
2412MHz	Pass	2.438243G	9.97	-20.03	2.130495G	-58.79	2.39824G	-39.92	2.49334G	-56.33	6.993514G	-52.77	3
2412MHz	Pass	2.438243G	9.97	-20.03	803.56M	-57.99	2.39992G	-38.35	2.51414G	-56.70	6.726606G	-52.84	4
2437MHz	Pass	2.438243G	9.97	-20.03	879.285M	-57.60	2.39952G	-45.10	2.48358G	-50.65	6.900798G	-52.44	1
2437MHz	Pass	2.438243G	9.97	-20.03	2.309905G	-56.55	2.39952G	-44.90	2.4839G	-50.52	6.850226G	-51.98	2
2437MHz	Pass	2.438243G	9.97	-20.03	811.715M	-57.78	2.39696G	-42.40	2.48358G	-46.81	6.971037G	-51.93	3
2437MHz	Pass	2.438243G	9.97	-20.03	2.30175G	-58.30	2.3992G	-36.27	2.48374G	-44.31	6.934513G	-52.46	4
2462MHz	Pass	2.438243G	9.97	-20.03	901.42M	-58.55	2.39216G	-57.30	2.4847G	-48.74	6.872703G	-52.93	1
2462MHz	Pass	2.438243G	9.97	-20.03	2.30641G	-53.59	2.39888G	-55.79	2.48358G	-52.94	6.083216G	-52.61	2
2462MHz	Pass	2.438243G	9.97	-20.03	1.839245G	-58.33	2.39368G	-57.85	2.48398G	-47.63	6.881131G	-51.32	3

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
2462MHz	Pass	2.438243G	9.97	-20.03	823.365M	-57.34	2.39304G	-57.74	2.48566G	-43.71	13.475175G	-50.90	4
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.440748G	2.21	-27.79	2.080695G	-57.63	2.39984G	-40.06	2.49214G	-56.58	6.70023G	-52.56	1
2422MHz	Pass	2.440748G	2.21	-27.79	744.48M	-58.79	2.39984G	-38.82	2.52606G	-57.39	6.963859G	-51.82	2
2422MHz	Pass	2.440748G	2.21	-27.79	812.035M	-58.39	2.39936G	-38.62	2.51406G	-56.15	6.977881G	-51.99	3
2422MHz	Pass	2.440748G	2.21	-27.79	2.140235G	-58.11	2.39968G	-37.22	2.55854G	-56.99	6.980686G	-53.11	4
2437MHz	Pass	2.440748G	2.21	-27.79	1.986805G	-58.18	2.39984G	-41.85	2.48414G	-48.88	6.980686G	-51.35	1
2437MHz	Pass	2.440748G	2.21	-27.79	2.30855G	-55.82	2.3984G	-44.29	2.48766G	-55.30	6.70023G	-52.48	2
2437MHz	Pass	2.440748G	2.21	-27.79	2.140235G	-58.45	2.39968G	-37.85	2.48414G	-46.82	6.79278G	-52.74	3
2437MHz	Pass	2.440748G	2.21	-27.79	944.855M	-57.67	2.39936G	-39.76	2.48446G	-43.81	13.476053G	-48.10	4
2452MHz	Pass	2.440748G	2.21	-27.79	949.435M	-58.45	2.39632G	-56.94	2.48382G	-47.81	5.971043G	-52.09	1
2452MHz	Pass	2.440748G	2.21	-27.79	928.825M	-58.07	2.39632G	-57.02	2.4867G	-54.95	6.910572G	-52.71	2
2452MHz	Pass	2.440748G	2.21	-27.79	2.30397G	-58.30	2.39936G	-57.59	2.48542G	-45.76	6.820826G	-52.05	3
2452MHz	Pass	2.440748G	2.21	-27.79	2.057795G	-58.29	2.39728G	-55.36	2.48366G	-43.75	6.991904G	-52.77	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

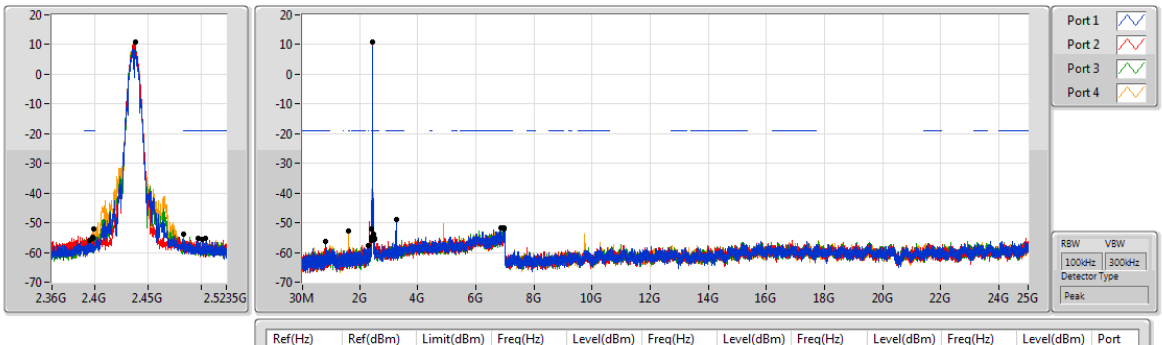
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438076G	10.92	-19.08	804.725M	-57.13	2.39504G	-45.93	2.51294G	-56.14	6.979466G	-52.20	1
2.438076G	10.92	-19.08	2.30408G	-54.88	2.39904G	-45.55	2.50374G	-55.17	6.720986G	-52.27	2
2.438076G	10.92	-19.08	802.395M	-55.26	2.39856G	-39.14	2.48662G	-56.08	6.223694G	-52.75	3
2.438076G	10.92	-19.08	804.725M	-53.01	2.394G	-39.60	2.51542G	-56.86	6.962609G	-52.62	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

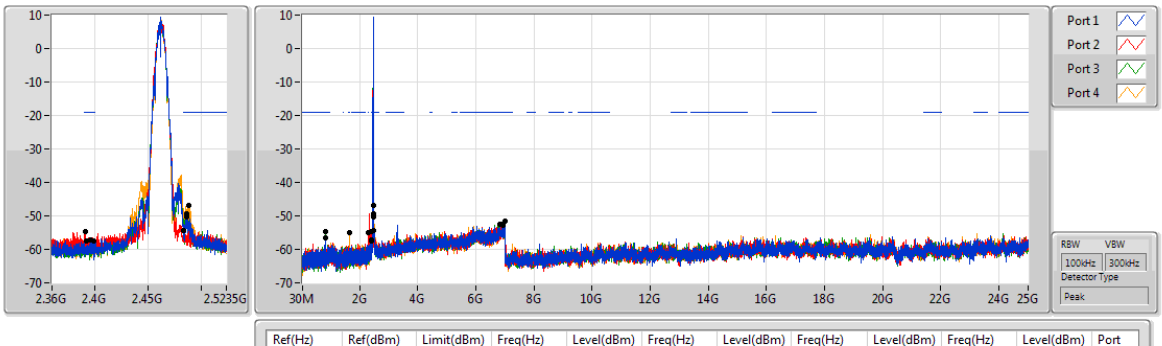
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438076G	10.92	-19.08	811.715M	-56.26	2.39488G	-55.89	2.50078G	-55.50	3.248367G	-49.02	1
2.438076G	10.92	-19.08	2.30408G	-57.77	2.39776G	-54.78	2.49662G	-55.26	6.838988G	-51.62	2
2.438076G	10.92	-19.08	812.88M	-56.44	2.3984G	-55.25	2.48358G	-53.89	6.968228G	-51.93	3
2.438076G	10.92	-19.08	1.624885G	-52.91	2.39928G	-52.10	2.5039G	-55.26	6.95699G	-51.66	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

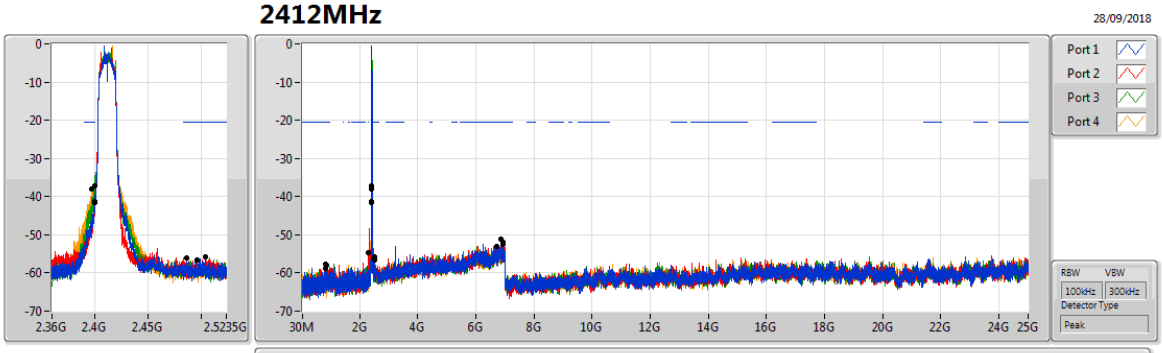
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438076G	10.92	-19.08	821.035M	-56.64	2.39896G	-57.51	2.48598G	-50.46	6.822131G	-52.37	1
2.438076G	10.92	-19.08	2.30641G	-55.14	2.39088G	-54.80	2.48358G	-54.48	6.855845G	-52.47	2
2.438076G	10.92	-19.08	822.2M	-54.73	2.39632G	-57.30	2.48638G	-49.39	6.917656G	-52.70	3
2.438076G	10.92	-19.08	1.641195G	-55.10	2.392G	-57.38	2.48854G	-46.94	6.996324G	-51.53	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

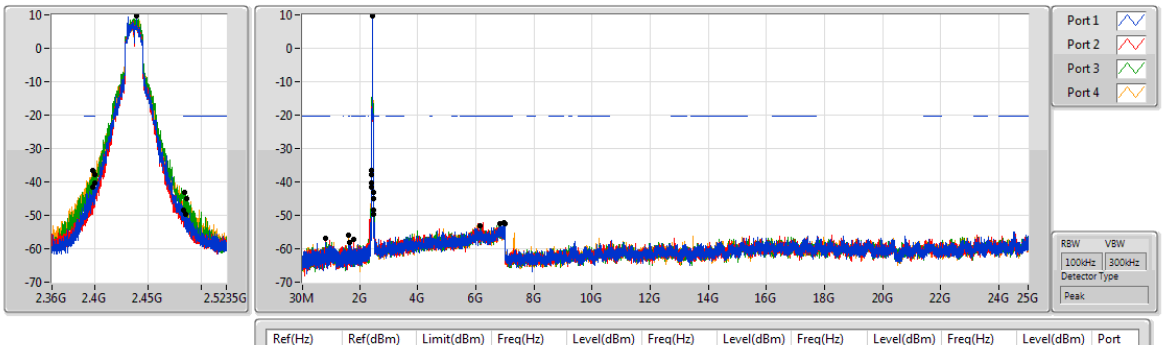
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439412G	9.60	-20.40	873.46M	-58.00	2.39968G	-41.60	2.50398G	-55.78	6.847417G	-51.13	1
2.439412G	9.60	-20.40	2.30874G	-54.78	2.39984G	-41.32	2.50374G	-55.87	6.917656G	-52.38	2
2.439412G	9.60	-20.40	809.385M	-58.75	2.39976G	-37.12	2.48654G	-56.00	6.926084G	-52.00	3
2.439412G	9.60	-20.40	804.725M	-57.80	2.39736G	-38.01	2.49598G	-56.51	6.704129G	-53.05	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

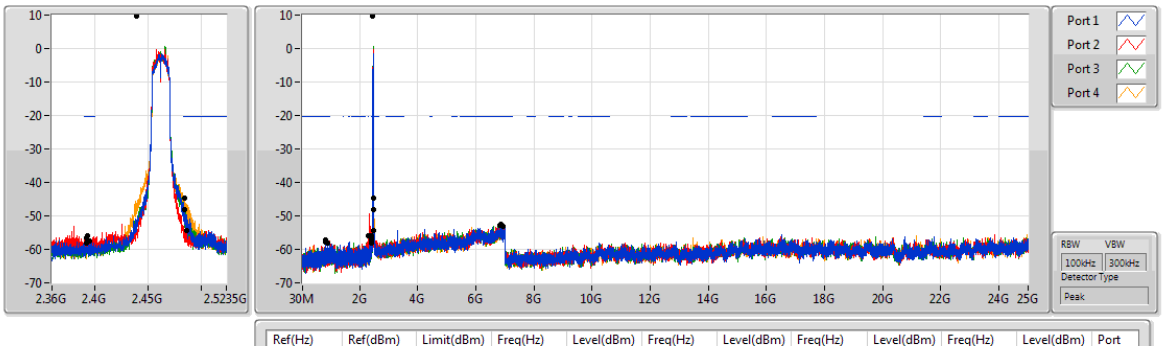
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439412G	9.60	-20.40	1.631875G	-57.97	2.39856G	-41.50	2.48382G	-48.59	6.136597G	-53.06	1
2.439412G	9.60	-20.40	1.78682G	-57.24	2.39992G	-40.43	2.48502G	-49.57	6.962609G	-52.13	2
2.439412G	9.60	-20.40	810.55M	-57.02	2.39992G	-37.69	2.48478G	-43.17	6.987895G	-52.59	3
2.439412G	9.60	-20.40	1.62139G	-56.07	2.39864G	-36.57	2.48622G	-44.88	6.813702G	-52.48	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

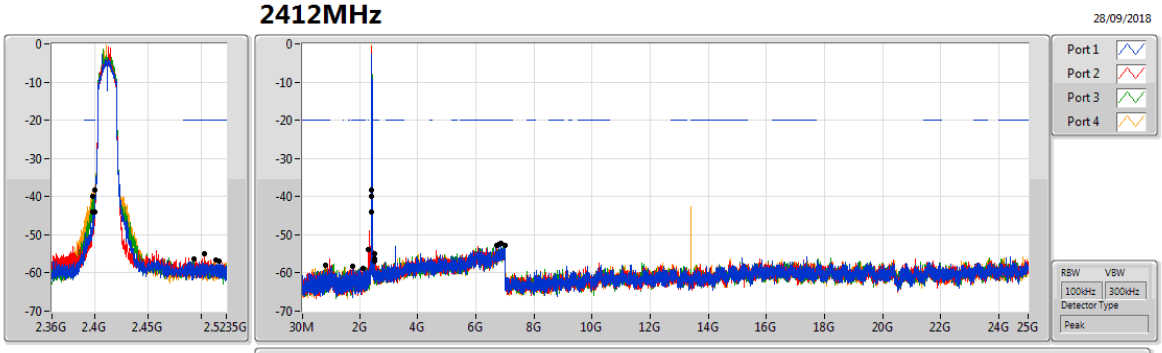
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439412G	9.60	-20.40	880.45M	-58.11	2.39256G	-58.13	2.48478G	-48.16	6.830559G	-52.93	1
2.439412G	9.60	-20.40	2.30874G	-55.95	2.39344G	-56.05	2.48622G	-54.30	6.838988G	-52.50	2
2.439412G	9.60	-20.40	817.54M	-57.69	2.3956G	-57.53	2.48422G	-47.98	6.886751G	-52.91	3
2.439412G	9.60	-20.40	822.2M	-57.32	2.392G	-56.70	2.48406G	-44.69	6.917656G	-53.12	4

802.11n HT20_Nss1,(MCS0)_4TX **CSE NdB**

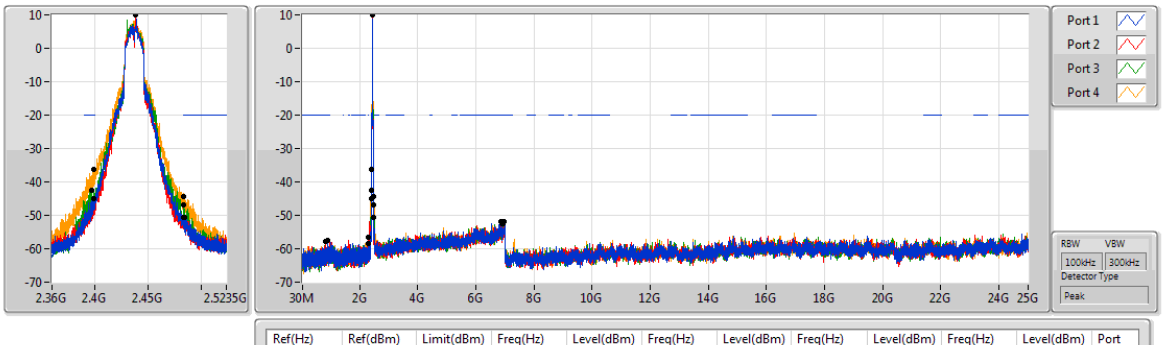
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	9.97	-20.03	1.739055G	-58.37	2.39864G	-44.05	2.51622G	-56.94	6.861465G	-52.27	1
2.438243G	9.97	-20.03	2.30641G	-53.91	2.39992G	-44.06	2.5031G	-54.86	6.777178G	-52.51	2
2.438243G	9.97	-20.03	2.130495G	-58.79	2.39824G	-39.92	2.49334G	-56.33	6.993514G	-52.77	3
2.438243G	9.97	-20.03	803.56M	-57.99	2.39992G	-38.35	2.51414G	-56.70	6.726606G	-52.84	4

802.11n HT20_Nss1,(MCS0)_4TX **CSE NdB**

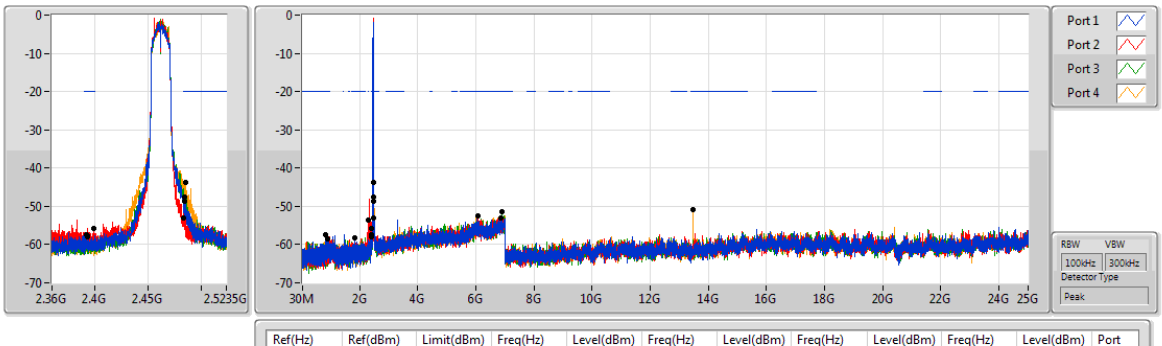
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	9.97	-20.03	879.285M	-57.60	2.39952G	-45.10	2.48358G	-50.65	6.900798G	-52.44	1
2.438243G	9.97	-20.03	2.309905G	-56.55	2.39952G	-44.90	2.4839G	-50.52	6.850226G	-51.98	2
2.438243G	9.97	-20.03	811.715M	-57.78	2.39696G	-42.40	2.48358G	-46.81	6.971037G	-51.93	3
2.438243G	9.97	-20.03	2.30175G	-58.30	2.3992G	-36.27	2.48374G	-44.31	6.934513G	-52.46	4

802.11n HT20_Nss1,(MCS0)_4TX **CSE NdB**

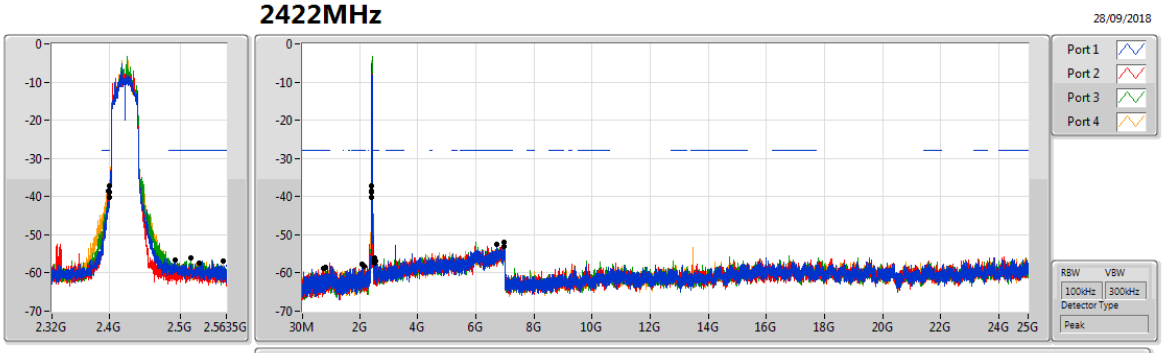
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438243G	9.97	-20.03	901.42M	-58.55	2.39216G	-57.30	2.4847G	-48.74	6.872703G	-52.93	1
2.438243G	9.97	-20.03	2.30641G	-53.59	2.39888G	-55.79	2.48358G	-52.94	6.083216G	-52.61	2
2.438243G	9.97	-20.03	1.839245G	-58.33	2.39368G	-57.85	2.48398G	-47.63	6.881131G	-51.32	3
2.438243G	9.97	-20.03	823.365M	-57.34	2.39304G	-57.74	2.48566G	-43.71	13.475175G	-50.90	4

802.11n HT40_Nss1,(MCS0)_4TX **CSE NdB**

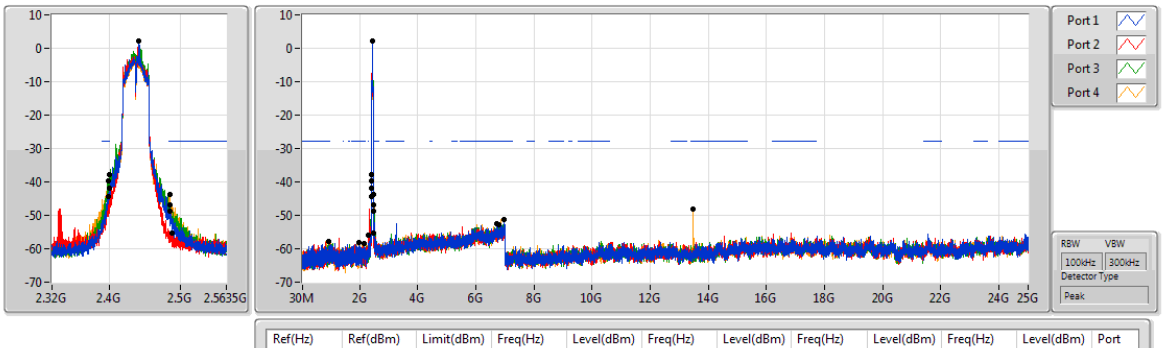
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	2.21	-27.79	2.080695G	-57.63	2.39984G	-40.06	2.49214G	-56.58	6.70023G	-52.56	1
2.440748G	2.21	-27.79	744.48M	-58.79	2.39984G	-38.82	2.52606G	-57.39	6.963859G	-51.82	2
2.440748G	2.21	-27.79	812.035M	-58.39	2.39936G	-38.62	2.51406G	-56.15	6.977881G	-51.99	3
2.440748G	2.21	-27.79	2.140235G	-58.11	2.39968G	-37.22	2.55854G	-56.99	6.980686G	-53.11	4

802.11n HT40_Nss1,(MCS0)_4TX **CSE NdB**

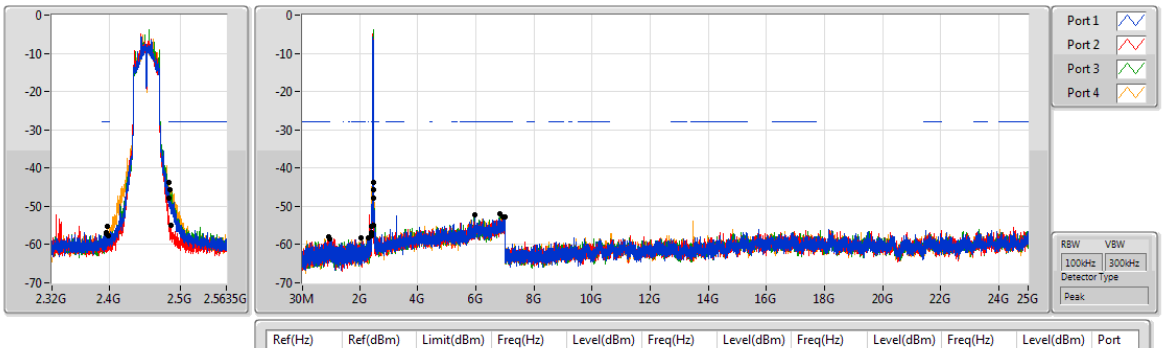
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	2.21	-27.79	1.986805G	-58.18	2.39984G	-41.85	2.48414G	-48.88	6.980686G	-51.35	1
2.440748G	2.21	-27.79	2.30855G	-55.82	2.3984G	-44.29	2.48766G	-55.30	6.70023G	-52.48	2
2.440748G	2.21	-27.79	2.140235G	-58.45	2.39968G	-37.85	2.48414G	-46.82	6.79278G	-52.74	3
2.440748G	2.21	-27.79	944.855M	-57.67	2.39936G	-39.76	2.48446G	-43.81	13.476053G	-48.10	4

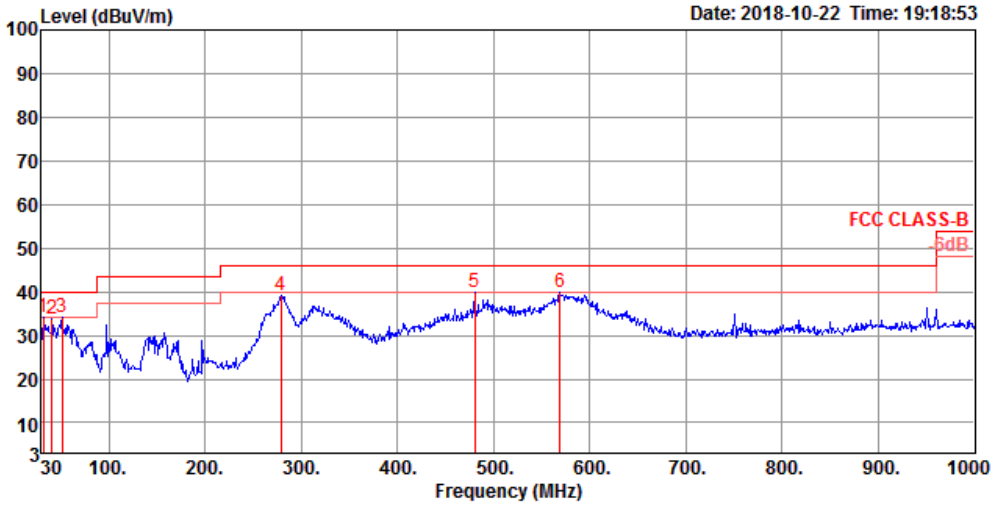
802.11n HT40_Nss1,(MCS0)_4TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.440748G	2.21	-27.79	949.435M	-58.45	2.39632G	-56.94	2.48382G	-47.81	5.971043G	-52.09	1
2.440748G	2.21	-27.79	928.825M	-58.07	2.39632G	-57.02	2.4867G	-54.95	6.910572G	-52.71	2
2.440748G	2.21	-27.79	2.30397G	-58.30	2.39936G	-57.59	2.48542G	-45.76	6.820826G	-52.05	3
2.440748G	2.21	-27.79	2.057795G	-58.29	2.39728G	-55.36	2.48366G	-43.75	6.991904G	-52.77	4

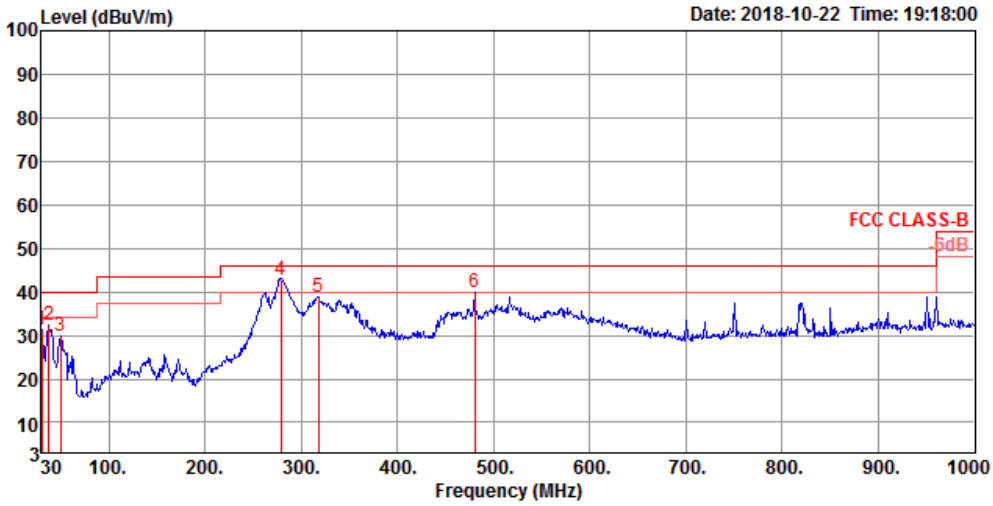
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	Normal Link		



	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	31.94	34.22	40.00	-5.78	37.93	0.99	23.84	28.54	300	177	Peak	VERTICAL
2	40.67	33.88	40.00	-6.12	42.17	1.19	19.06	28.54	300	2	Peak	VERTICAL
3	51.34	33.98	40.00	-6.02	47.28	1.40	13.84	28.54	100	138	Peak	VERTICAL
4	279.29	39.12	46.00	-6.88	46.05	2.53	18.44	27.90	200	221	Peak	VERTICAL
5	480.08	39.96	46.00	-6.04	43.27	2.87	22.97	29.15	200	218	Peak	VERTICAL
6	569.32	39.79	46.00	-6.21	42.38	2.40	24.37	29.36	125	142	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	30.00	31.36	40.00	-8.64	34.03	0.97	24.91	28.55	200	310	Peak	HORIZONTAL
2	37.76	32.29	40.00	-7.71	39.01	1.10	20.72	28.54	200	310	Peak	HORIZONTAL
3	49.40	29.78	40.00	-10.22	42.34	1.43	14.55	28.54	150	209	Peak	HORIZONTAL
4	279.29	42.67	46.00	-3.33	49.60	2.53	18.44	27.90	140	83	QP	HORIZONTAL
5	318.09	38.86	46.00	-7.14	45.64	2.17	19.05	28.00	150	111	Peak	HORIZONTAL
6	480.08	39.82	46.00	-6.18	43.13	2.87	22.97	29.15	100	251	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.)

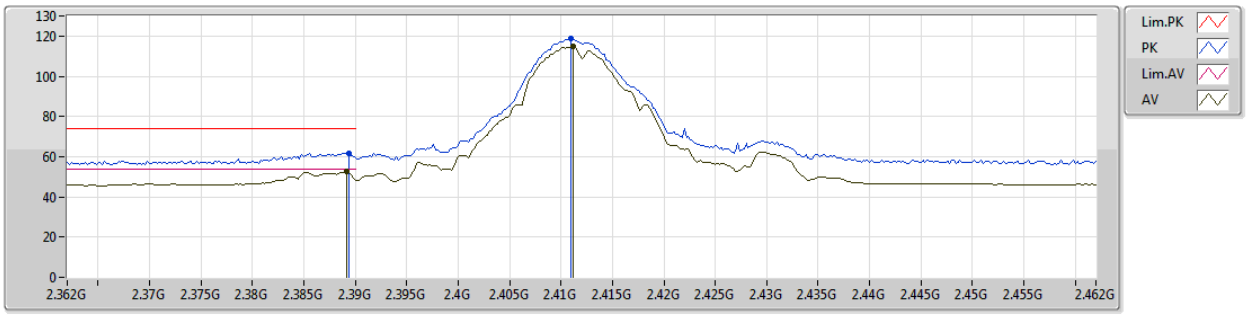
Summary

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	-	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_4TX	Pass	AV	2.39G	53.99	54.00	-0.01	33.17	3	Vertical	140	1.50	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

27/09/2018



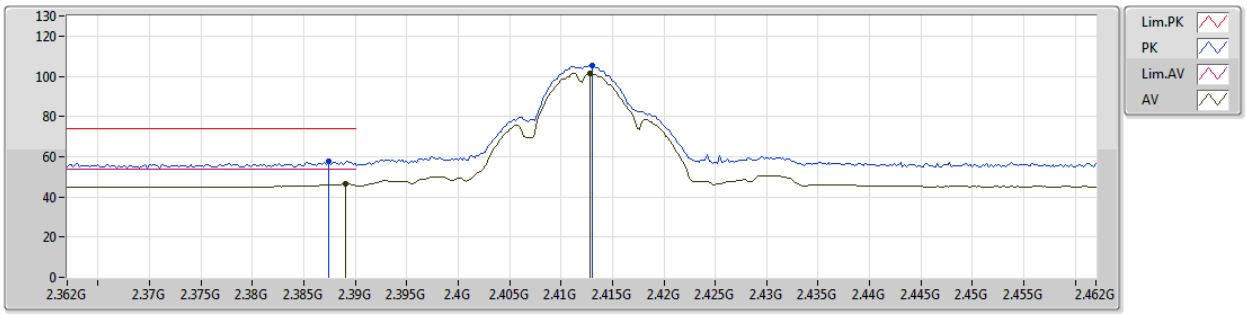
EUT Y_4TX
Setting 15
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	61.63	74.00	-12.37	33.17	3	Vertical	138	1.49	-
AV	2.3892G	52.83	54.00	-1.17	33.17	3	Vertical	138	1.49	-
PK	2.411G	118.69	Inf	-Inf	33.17	3	Vertical	138	1.49	-
AV	2.4112G	114.83	Inf	-Inf	33.17	3	Vertical	138	1.49	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

27/09/2018



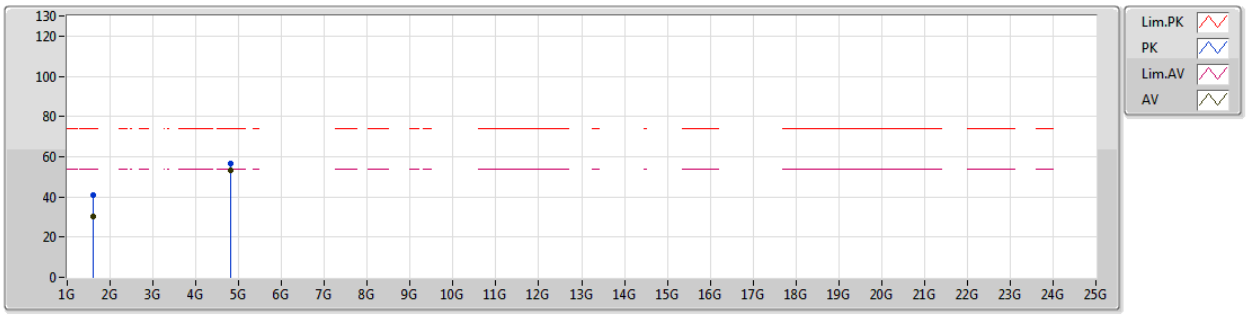
EUT Y_4TX
Setting 15
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3874G	57.75	74.00	-16.25	33.16	3	Horizontal	230	1.27	-
AV	2.389G	46.36	54.00	-7.64	33.17	3	Horizontal	230	1.27	-
PK	2.413G	105.47	Inf	-Inf	33.17	3	Horizontal	230	1.27	-
AV	2.4128G	101.63	Inf	-Inf	33.17	3	Horizontal	230	1.27	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

27/09/2018



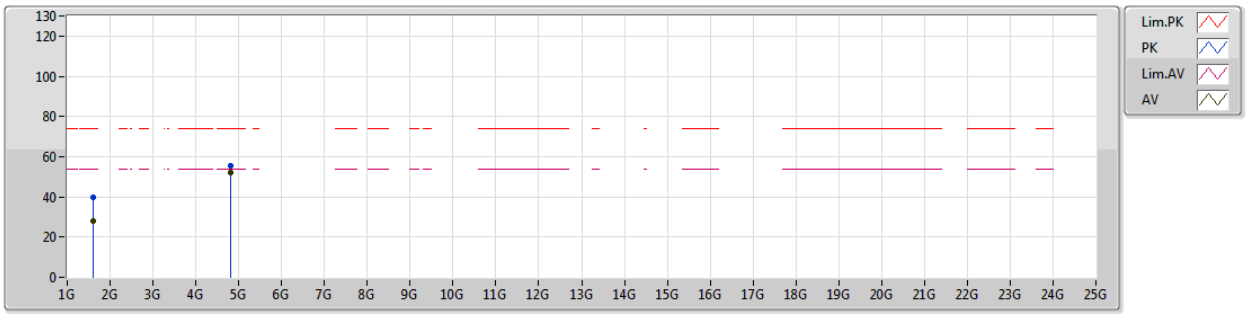
EUT Y_4TX
Setting 15
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	1.60795G	40.68	74.00	-33.32	-4.90	3	Vertical	119	2.20	-
AV	1.608G	30.43	54.00	-23.57	-4.90	3	Vertical	119	2.20	-
PK	4.824G	56.80	74.00	-17.20	6.87	3	Vertical	44	1.01	-
AV	4.82398G	53.49	54.00	-0.51	6.87	3	Vertical	44	1.01	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

27/09/2018



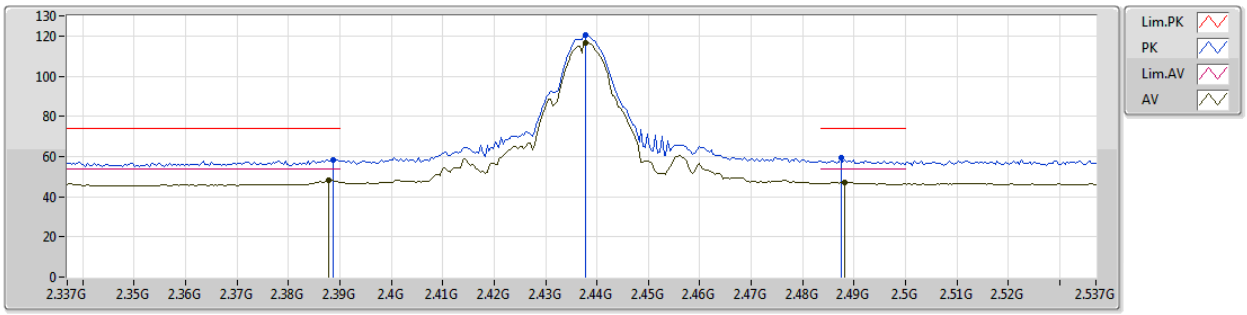
EUT Y_4TX
Setting 15
04-E-4
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	1.6079G	39.54	74.00	-34.46	-4.90	3	Horizontal	0	1.49	-
AV	1.608G	27.96	54.00	-26.04	-4.90	3	Horizontal	0	1.49	-
PK	4.82402G	55.35	74.00	-18.65	6.87	3	Horizontal	76	1.72	-
AV	4.82398G	51.87	54.00	-2.13	6.87	3	Horizontal	76	1.72	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

27/09/2018



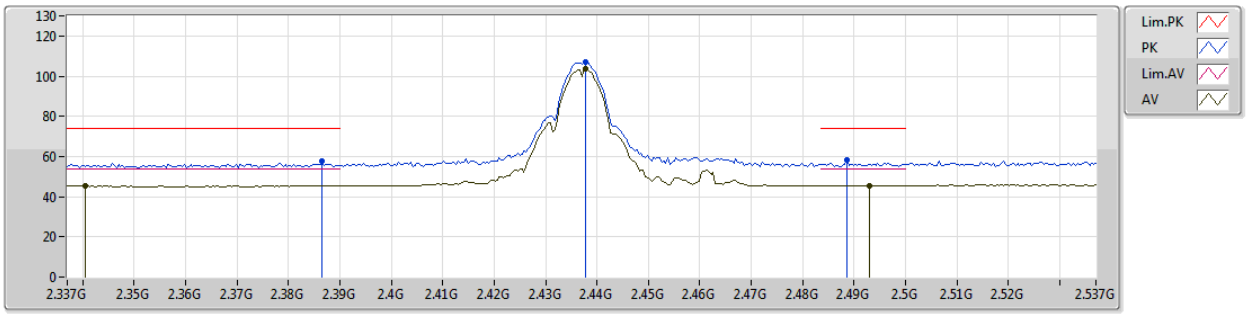
EUT Y_4TX
Setting 18
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	58.50	74.00	-15.50	33.17	3	Vertical	76	1.47	-
AV	2.3878G	48.34	54.00	-5.66	33.16	3	Vertical	76	1.47	-
PK	2.4378G	120.40	Inf	-Inf	33.17	3	Vertical	76	1.47	-
AV	2.4378G	116.54	Inf	-Inf	33.17	3	Vertical	76	1.47	-
PK	2.4874G	59.18	74.00	-14.82	33.19	3	Vertical	76	1.47	-
AV	2.4882G	47.08	54.00	-6.92	33.19	3	Vertical	76	1.47	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

27/09/2018



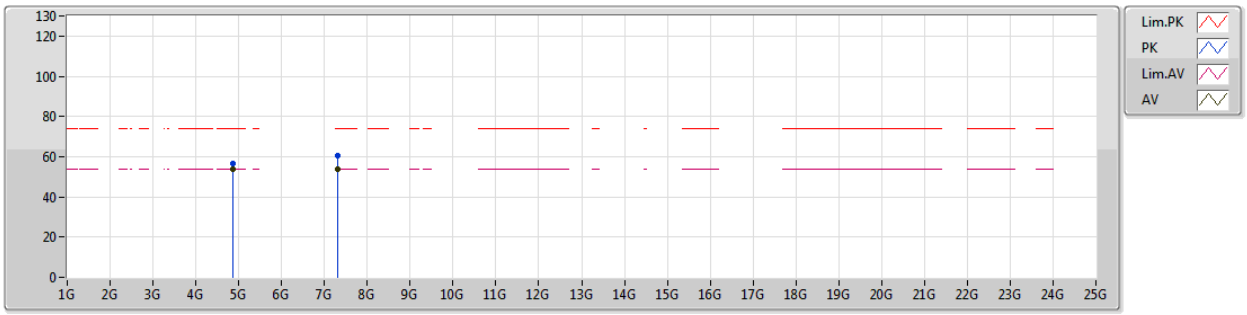
EUT Y_4TX
Setting 18
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3866G	57.71	74.00	-16.29	33.16	3	Horizontal	336	2.74	-
AV	2.3406G	45.51	54.00	-8.49	33.14	3	Horizontal	336	2.74	-
PK	2.4378G	107.07	Inf	-Inf	33.17	3	Horizontal	336	2.74	-
AV	2.4378G	103.41	Inf	-Inf	33.17	3	Horizontal	336	2.74	-
PK	2.4886G	58.14	74.00	-15.86	33.19	3	Horizontal	336	2.74	-
AV	2.493G	45.65	54.00	-8.35	33.19	3	Horizontal	336	2.74	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

27/09/2018



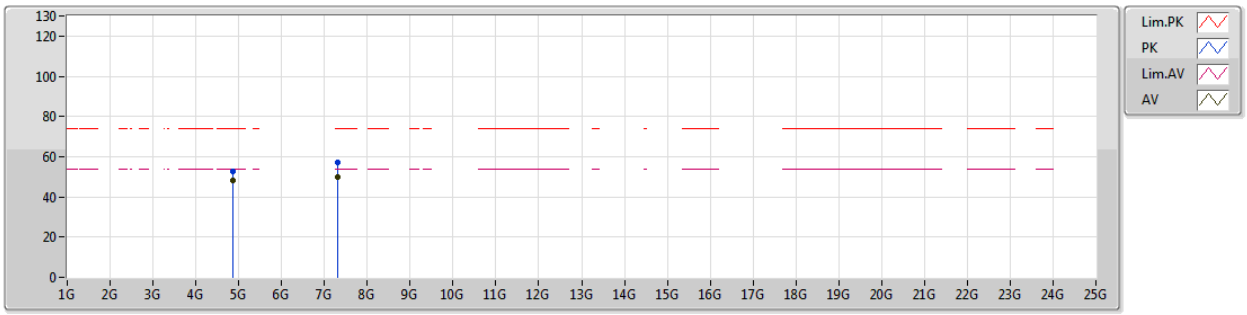
EUT Y_4TX
Setting 18
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87396G	56.32	74.00	-17.68	6.98	3	Vertical	15	1.01	-
AV	4.87398G	53.85	54.00	-0.15	6.98	3	Vertical	15	1.01	-
PK	7.31252G	60.37	74.00	-13.63	11.70	3	Vertical	17	2.44	-
AV	7.31272G	53.80	54.00	-0.20	11.70	3	Vertical	17	2.44	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

27/09/2018



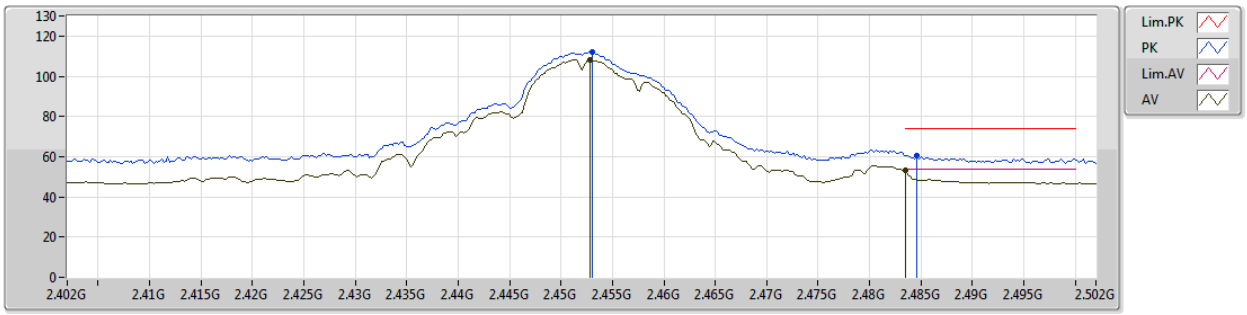
EUT Y_4TX
Setting 18
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87402G	52.83	74.00	-21.17	6.98	3	Horizontal	81	1.50	-
AV	4.87396G	48.08	54.00	-5.92	6.98	3	Horizontal	81	1.50	-
PK	7.31246G	57.38	74.00	-16.62	11.70	3	Horizontal	142	2.15	-
AV	7.31274G	49.85	54.00	-4.15	11.70	3	Horizontal	142	2.15	-

802.11b_Nss1,(1Mbps)_4TX

2452MHz_TX

28/09/2018



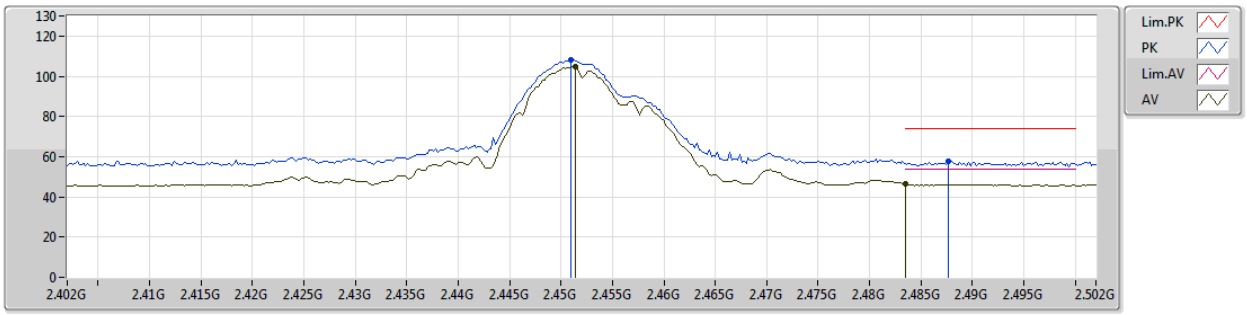
EUT Y_4TX
Setting 18
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.453G	112.02	Inf	-Inf	33.18	3	Vertical	184	2.23	-
AV	2.4528G	108.27	Inf	-Inf	33.18	3	Vertical	184	2.23	-
PK	2.4846G	60.74	74.00	-13.26	33.18	3	Vertical	184	2.23	-
AV	2.4835G	53.03	54.00	-0.97	33.18	3	Vertical	184	2.23	-

802.11b_Nss1,(1Mbps)_4TX

2452MHz_TX

28/09/2018



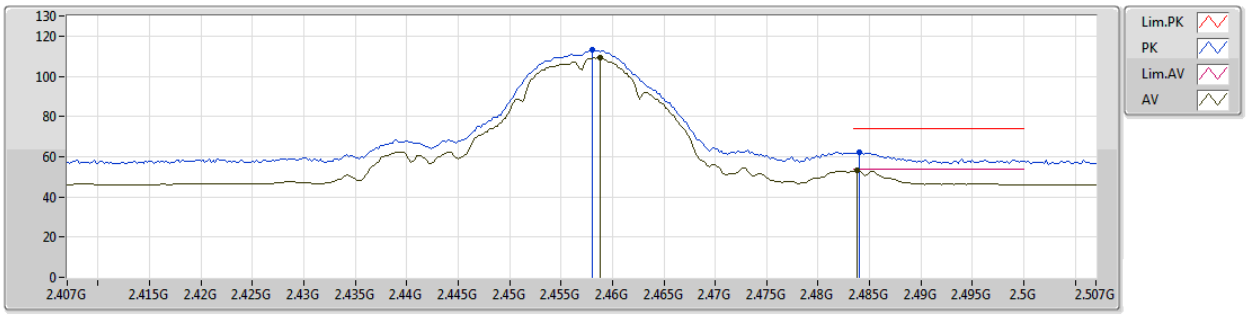
EUT Y_4TX
Setting 18
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.451G	108.31	Inf	-Inf	33.18	3	Horizontal	4	2.56	-
AV	2.4514G	104.62	Inf	-Inf	33.18	3	Horizontal	4	2.56	-
PK	2.4876G	57.58	74.00	-16.42	33.19	3	Horizontal	4	2.56	-
AV	2.4835G	46.40	54.00	-7.60	33.18	3	Horizontal	4	2.56	-

802.11b_Nss1,(1Mbps)_4TX

2457MHz_TX

28/09/2018



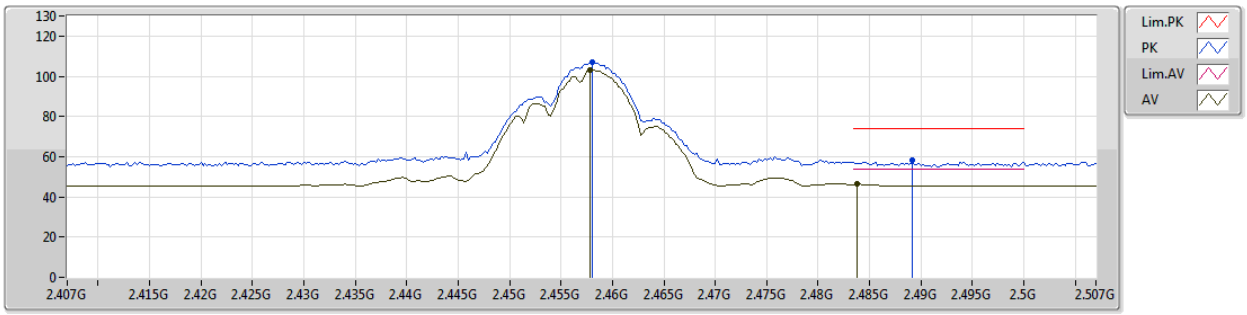
EUT Y_4TX
Setting 16.5
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.458G	113.25	Inf	-Inf	33.18	3	Vertical	246	1.70	-
AV	2.4588G	109.23	Inf	-Inf	33.18	3	Vertical	246	1.70	-
PK	2.484G	62.16	74.00	-11.84	33.18	3	Vertical	246	1.70	-
AV	2.4838G	53.46	54.00	-0.54	33.18	3	Vertical	246	1.70	-

802.11b_Nss1,(1Mbps)_4TX

2457MHz_TX

28/09/2018



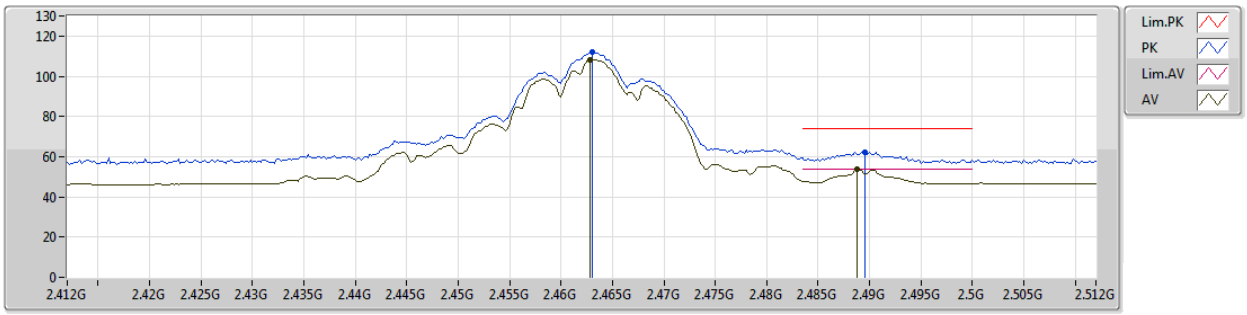
EUT Y_4TX
Setting 16.5
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.458G	107.15	Inf	-Inf	33.18	3	Horizontal	207	2.26	-
AV	2.4578G	102.94	Inf	-Inf	33.18	3	Horizontal	207	2.26	-
PK	2.4892G	58.15	74.00	-15.85	33.19	3	Horizontal	207	2.26	-
AV	2.4838G	46.42	54.00	-7.58	33.18	3	Horizontal	207	2.26	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

27/09/2018



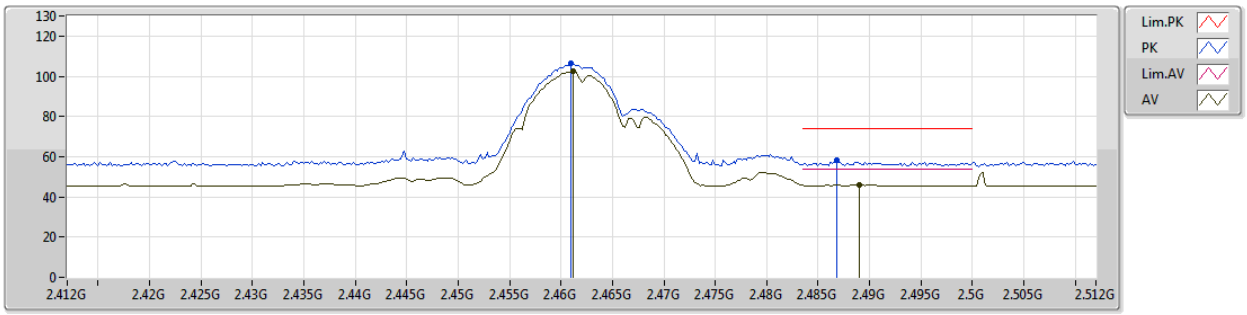
EUT Y_4TX
Setting 16.5
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	112.13	Inf	-Inf	33.19	3	Vertical	0	2.69	-
AV	2.4628G	108.13	Inf	-Inf	33.19	3	Vertical	0	2.69	-
PK	2.4896G	62.35	74.00	-11.65	33.19	3	Vertical	0	2.69	-
AV	2.4888G	53.60	54.00	-0.40	33.19	3	Vertical	0	2.69	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

27/09/2018



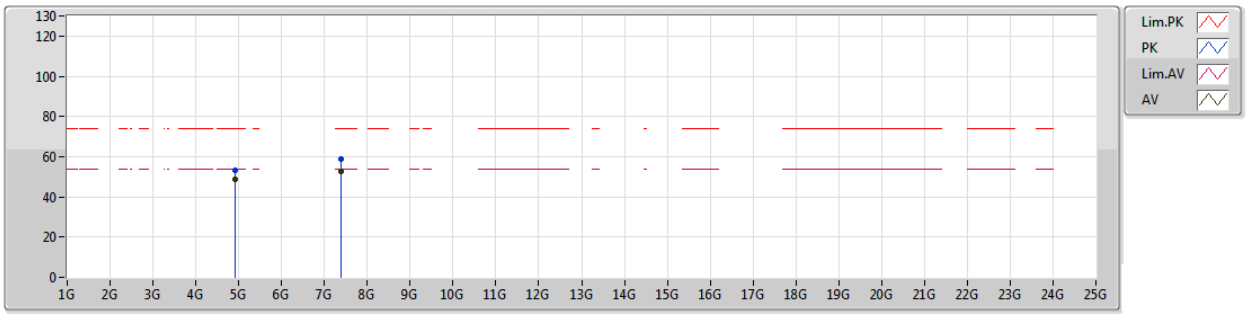
EUT Y_4TX
Setting 16.5
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.461G	106.19	Inf	-Inf	33.18	3	Horizontal	13	1.85	-
AV	2.4612G	102.42	Inf	-Inf	33.18	3	Horizontal	13	1.85	-
PK	2.4868G	58.25	74.00	-15.75	33.19	3	Horizontal	13	1.85	-
AV	2.489G	45.91	54.00	-8.09	33.19	3	Horizontal	13	1.85	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

27/09/2018



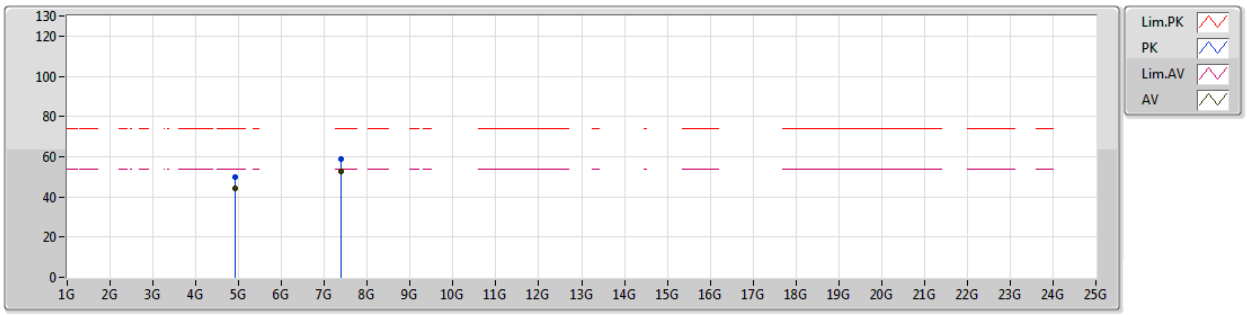
EUT Y_4TX
Setting 16.5
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.924G	53.27	74.00	-20.73	7.11	3	Vertical	12	2.84	-
AV	4.924G	48.97	54.00	-5.03	7.11	3	Vertical	12	2.84	-
PK	7.38692G	59.09	74.00	-14.91	11.68	3	Vertical	7	1.28	-
AV	7.38724G	52.85	54.00	-1.15	11.68	3	Vertical	7	1.28	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

27/09/2018



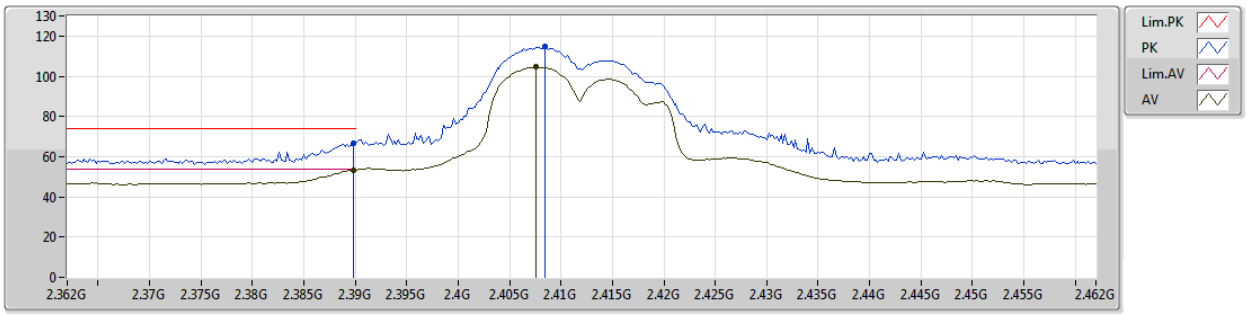
EUT Y_4TX
Setting 16.5
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92386G	50.13	74.00	-23.87	7.11	3	Horizontal	95	1.44	-
AV	4.92398G	44.32	54.00	-9.68	7.11	3	Horizontal	95	1.44	-
PK	7.38498G	59.02	74.00	-14.98	11.68	3	Horizontal	156	2.51	-
AV	7.38524G	52.72	54.00	-1.28	11.68	3	Horizontal	156	2.51	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

27/09/2018



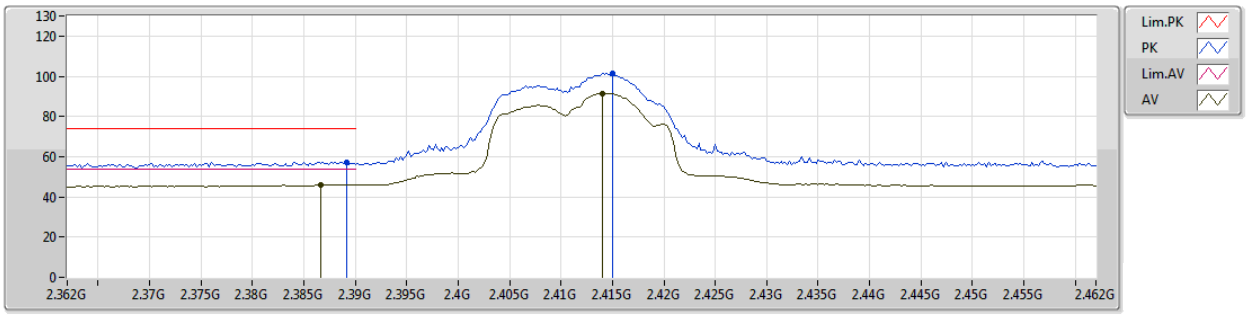
EUT Y_4TX
Setting 10
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	66.62	74.00	-7.38	33.17	3	Vertical	28	1.48	-
AV	2.3898G	53.49	54.00	-0.51	33.17	3	Vertical	28	1.48	-
PK	2.4084G	114.71	Inf	-Inf	33.17	3	Vertical	28	1.48	-
AV	2.4076G	104.83	Inf	-Inf	33.17	3	Vertical	28	1.48	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

27/09/2018



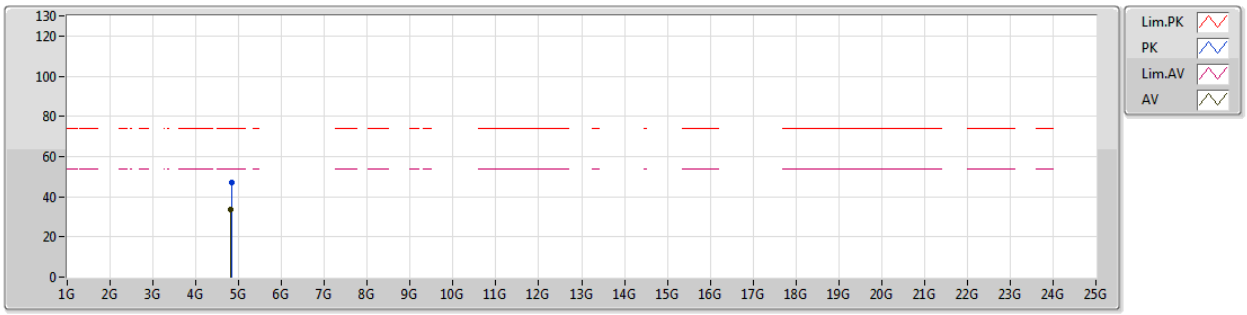
EUT Y_4TX
Setting 10
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	57.42	74.00	-16.58	33.17	3	Horizontal	21	2.16	-
AV	2.3866G	46.05	54.00	-7.95	33.16	3	Horizontal	21	2.16	-
PK	2.415G	101.50	Inf	-Inf	33.18	3	Horizontal	21	2.16	-
AV	2.414G	91.52	Inf	-Inf	33.17	3	Horizontal	21	2.16	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

28/09/2018



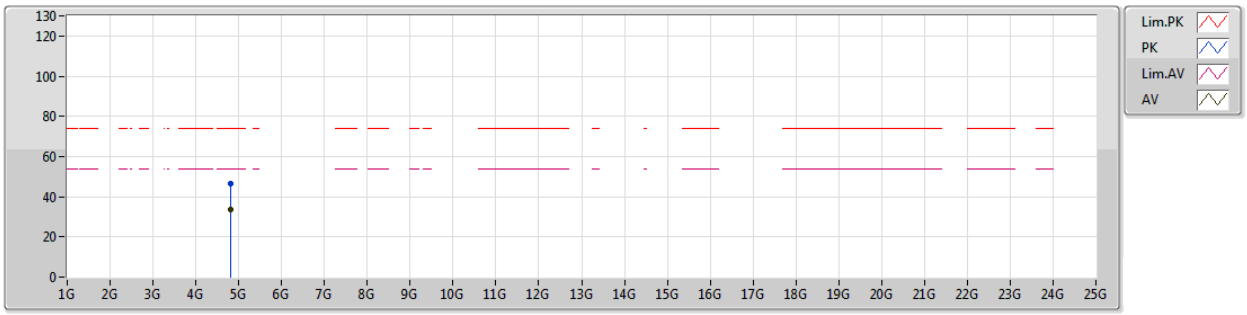
EUT Y_4TX
Setting 10
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82485G	47.15	74.00	-26.85	6.87	3	Vertical	130	1.34	-
AV	4.82239G	33.40	54.00	-20.60	6.86	3	Vertical	130	1.34	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

28/09/2018



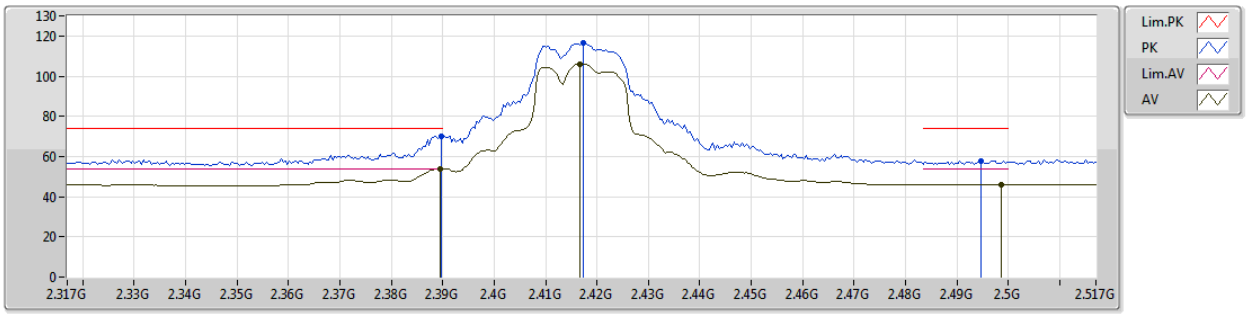
EUT Y_4TX
Setting 10
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82452G	46.60	74.00	-27.40	6.87	3	Horizontal	212	1.69	-
AV	4.82241G	33.48	54.00	-20.52	6.86	3	Horizontal	212	1.69	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

28/09/2018



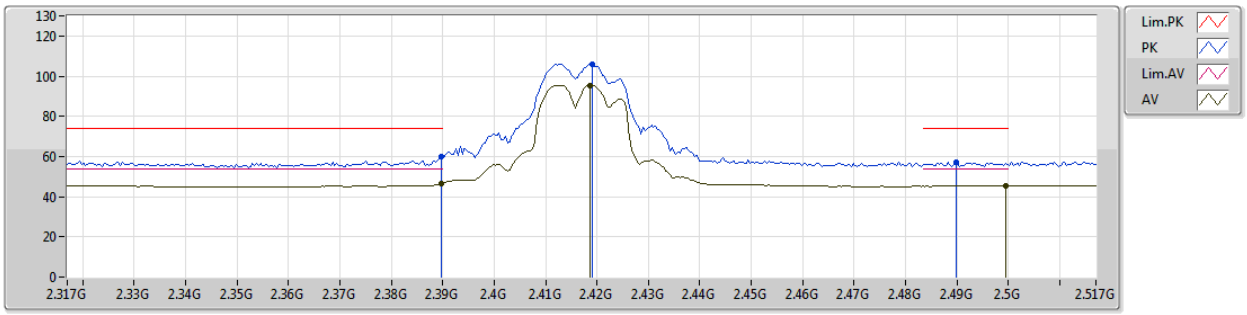
EUT Y_4TX
Setting 15
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	70.29	74.00	-3.71	33.17	3	Vertical	16	1.48	-
AV	2.3894G	53.86	54.00	-0.14	33.17	3	Vertical	16	1.48	-
PK	2.4174G	116.45	Inf	-Inf	33.17	3	Vertical	16	1.48	-
AV	2.4166G	106.17	Inf	-Inf	33.18	3	Vertical	16	1.48	-
PK	2.4946G	57.99	74.00	-16.01	33.19	3	Vertical	16	1.48	-
AV	2.4986G	46.04	54.00	-7.96	33.19	3	Vertical	16	1.48	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

28/09/2018



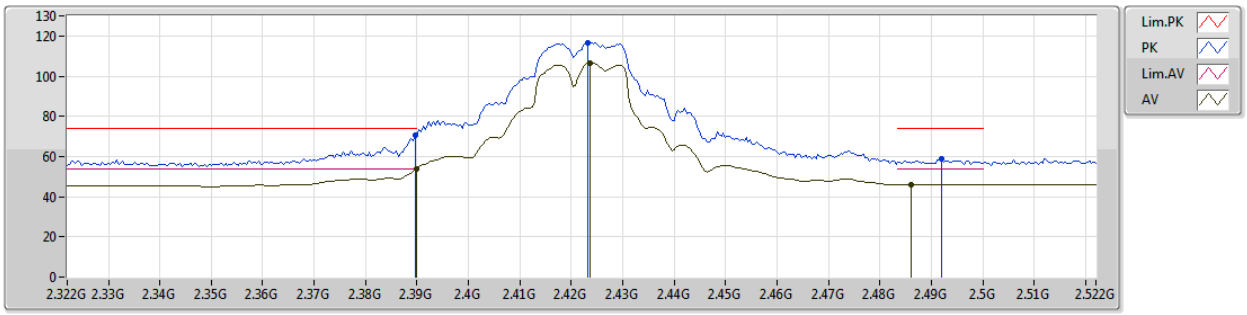
EUT Y_4TX
Setting 15
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	59.83	74.00	-14.17	33.17	3	Horizontal	211	2.10	-
AV	2.3898G	46.67	54.00	-7.33	33.17	3	Horizontal	211	2.10	-
PK	2.419G	106.12	Inf	-Inf	33.17	3	Horizontal	211	2.10	-
AV	2.4186G	95.46	Inf	-Inf	33.17	3	Horizontal	211	2.10	-
PK	2.4898G	56.96	74.00	-17.04	33.19	3	Horizontal	211	2.10	-
AV	2.4994G	45.28	54.00	-8.72	33.19	3	Horizontal	211	2.10	-

802.11g_Nss1,(6Mbps)_4TX

2422MHz_TX

28/09/2018



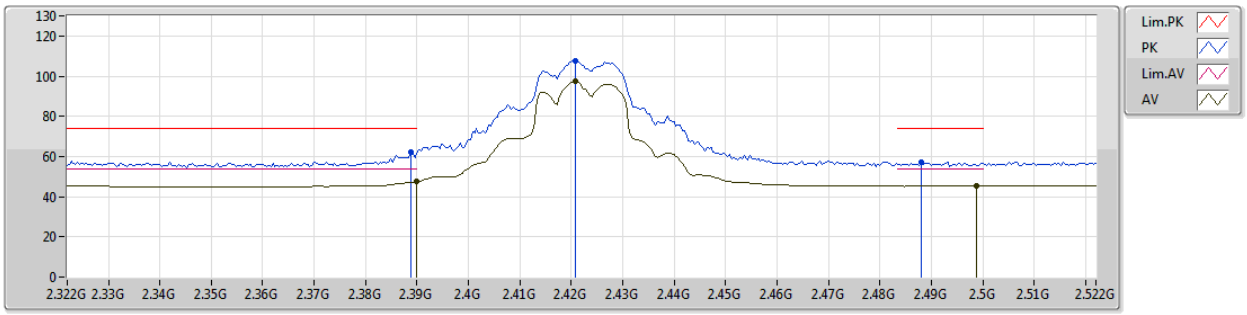
EUT Y_4TX
Setting 18
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	70.35	74.00	-3.65	33.17	3	Vertical	140	1.50	-
AV	2.39G	53.99	54.00	-0.01	33.17	3	Vertical	140	1.50	-
PK	2.4232G	116.82	Inf	-Inf	33.18	3	Vertical	140	1.50	-
AV	2.4236G	106.57	Inf	-Inf	33.17	3	Vertical	140	1.50	-
PK	2.492G	58.93	74.00	-15.07	33.19	3	Vertical	140	1.50	-
AV	2.486G	45.98	54.00	-8.02	33.19	3	Vertical	140	1.50	-

802.11g_Nss1,(6Mbps)_4TX

2422MHz_TX

28/09/2018



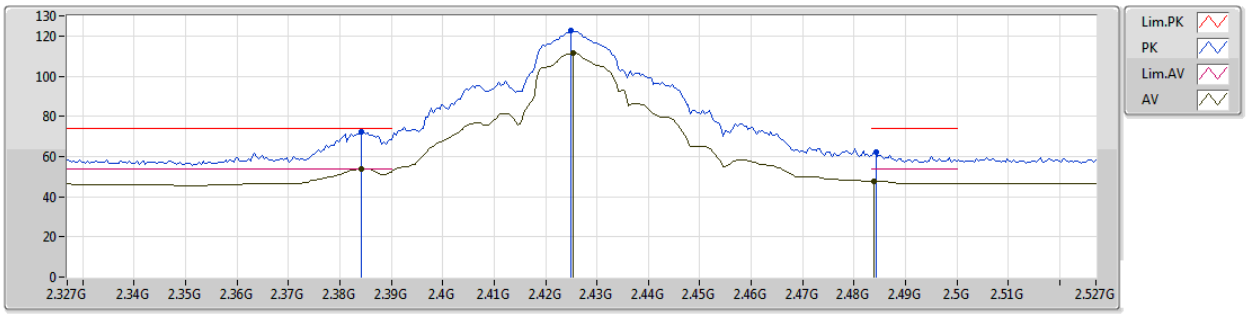
EUT Y_4TX
Setting 18
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3888G	61.95	74.00	-12.05	33.17	3	Horizontal	246	2.83	-
AV	2.39G	47.37	54.00	-6.63	33.17	3	Horizontal	246	2.83	-
PK	2.4208G	107.55	Inf	-Inf	33.18	3	Horizontal	246	2.83	-
AV	2.4208G	97.25	Inf	-Inf	33.18	3	Horizontal	246	2.83	-
PK	2.488G	57.28	74.00	-16.72	33.19	3	Horizontal	246	2.83	-
AV	2.4988G	45.28	54.00	-8.72	33.19	3	Horizontal	246	2.83	-

802.11g_Nss1,(6Mbps)_4TX

2427MHz_TX

28/09/2018



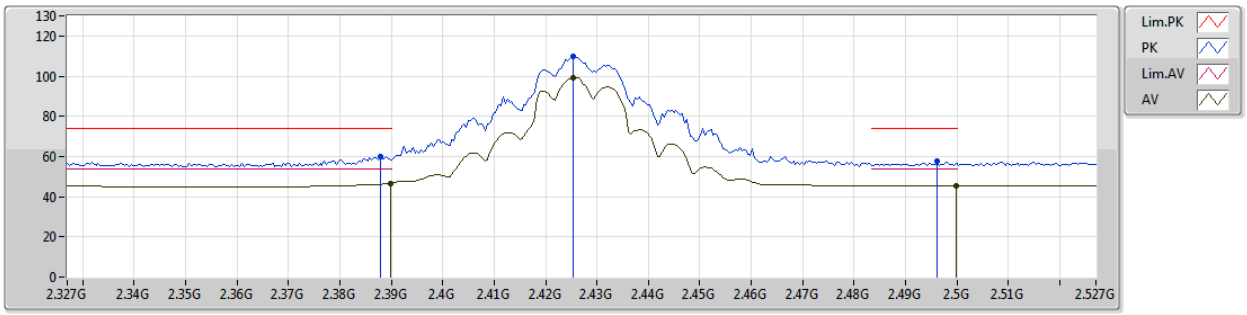
EUT Y_4TX
Setting 20
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3842G	72.40	74.00	-1.60	33.16	3	Vertical	352	1.49	-
AV	2.3842G	53.94	54.00	-0.06	33.16	3	Vertical	352	1.49	-
PK	2.425G	122.75	Inf	-Inf	33.17	3	Vertical	352	1.49	-
AV	2.4254G	111.40	Inf	-Inf	33.17	3	Vertical	352	1.49	-
PK	2.4842G	62.36	74.00	-11.64	33.18	3	Vertical	352	1.49	-
AV	2.4838G	47.81	54.00	-6.19	33.18	3	Vertical	352	1.49	-

802.11g_Nss1,(6Mbps)_4TX

2427MHz_TX

28/09/2018



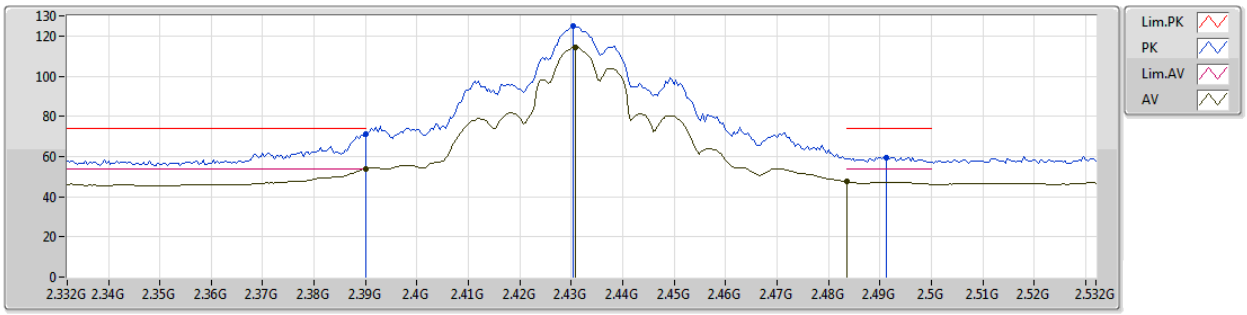
EUT Y_4TX
Setting 20
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3878G	60.15	74.00	-13.85	33.16	3	Horizontal	208	2.50	-
AV	2.3898G	46.72	54.00	-7.28	33.17	3	Horizontal	208	2.50	-
PK	2.4254G	109.80	Inf	-Inf	33.17	3	Horizontal	208	2.50	-
AV	2.4254G	99.22	Inf	-Inf	33.17	3	Horizontal	208	2.50	-
PK	2.4962G	57.58	74.00	-16.42	33.19	3	Horizontal	208	2.50	-
AV	2.4998G	45.28	54.00	-8.72	33.19	3	Horizontal	208	2.50	-

802.11g_Nss1,(6Mbps)_4TX

2432MHz_TX

28/09/2018



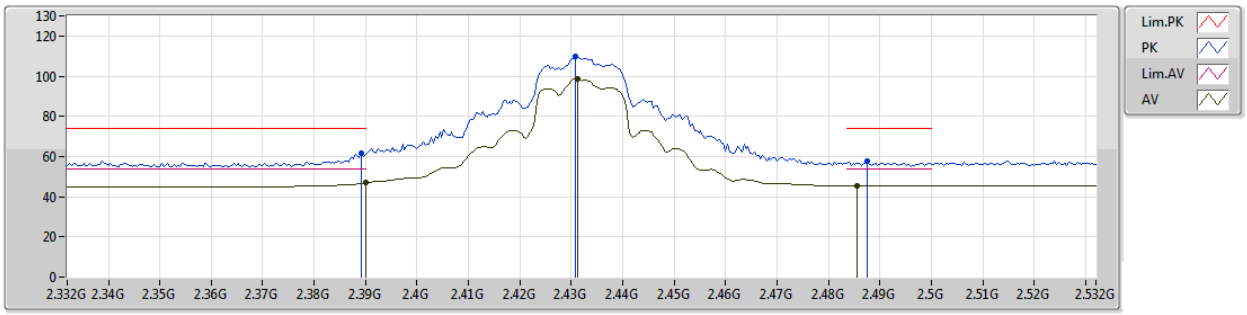
EUT Y_4TX
Setting 20
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	71.17	74.00	-2.83	33.17	3	Vertical	16	1.35	-
AV	2.39G	53.84	54.00	-0.16	33.17	3	Vertical	16	1.35	-
PK	2.4304G	124.90	Inf	-Inf	33.17	3	Vertical	16	1.35	-
AV	2.4308G	114.24	Inf	-Inf	33.17	3	Vertical	16	1.35	-
PK	2.4912G	59.62	74.00	-14.38	33.19	3	Vertical	16	1.35	-
AV	2.4835G	47.55	54.00	-6.45	33.18	3	Vertical	16	1.35	-

802.11g_Nss1,(6Mbps)_4TX

2432MHz_TX

28/09/2018



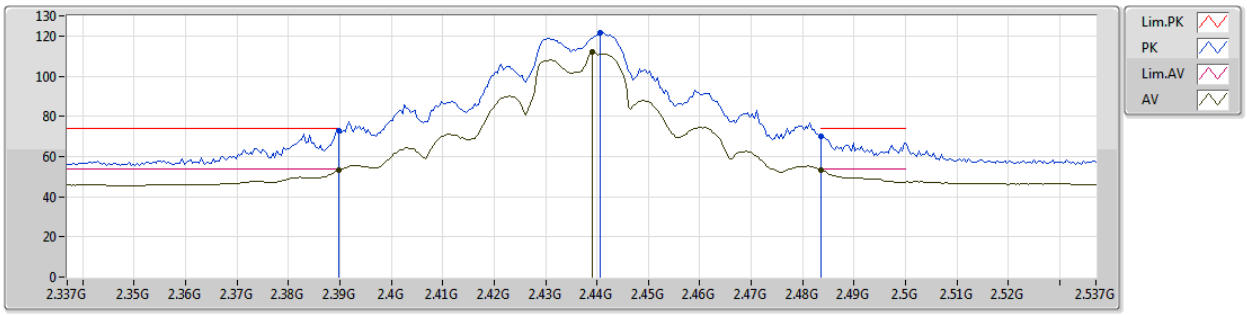
EUT Y_4TX
Setting 20
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	61.60	74.00	-12.40	33.17	3	Horizontal	238	1.35	-
AV	2.39G	46.91	54.00	-7.09	33.17	3	Horizontal	238	1.35	-
PK	2.4308G	109.55	Inf	-Inf	33.17	3	Horizontal	238	1.35	-
AV	2.4312G	98.86	Inf	-Inf	33.17	3	Horizontal	238	1.35	-
PK	2.4876G	57.95	74.00	-16.05	33.19	3	Horizontal	238	1.35	-
AV	2.4856G	45.36	54.00	-8.64	33.19	3	Horizontal	238	1.35	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

27/09/2018



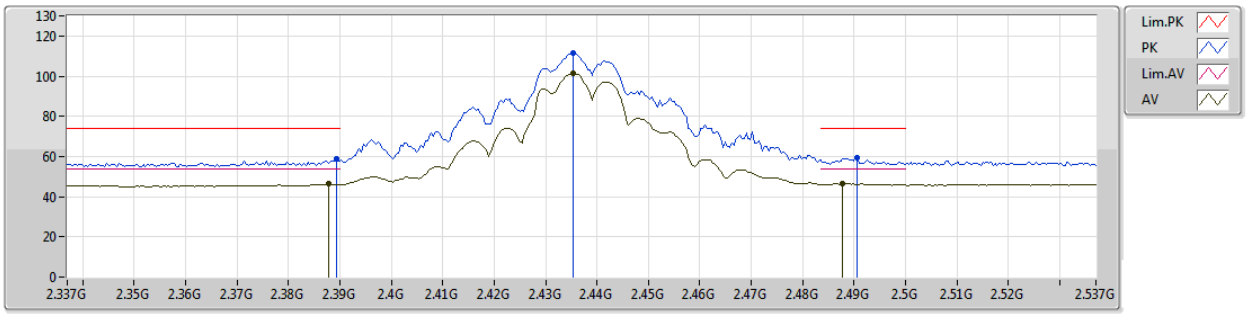
EUT Y_4TX
Setting 22
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	72.92	74.00	-1.08	33.17	3	Vertical	88	1.50	-
AV	2.3898G	53.14	54.00	-0.86	33.17	3	Vertical	88	1.50	-
PK	2.4406G	121.74	Inf	-Inf	33.18	3	Vertical	88	1.50	-
AV	2.439G	111.91	Inf	-Inf	33.18	3	Vertical	88	1.50	-
PK	2.4835G	70.06	74.00	-3.94	33.18	3	Vertical	88	1.50	-
AV	2.4835G	53.43	54.00	-0.57	33.18	3	Vertical	88	1.50	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

27/09/2018



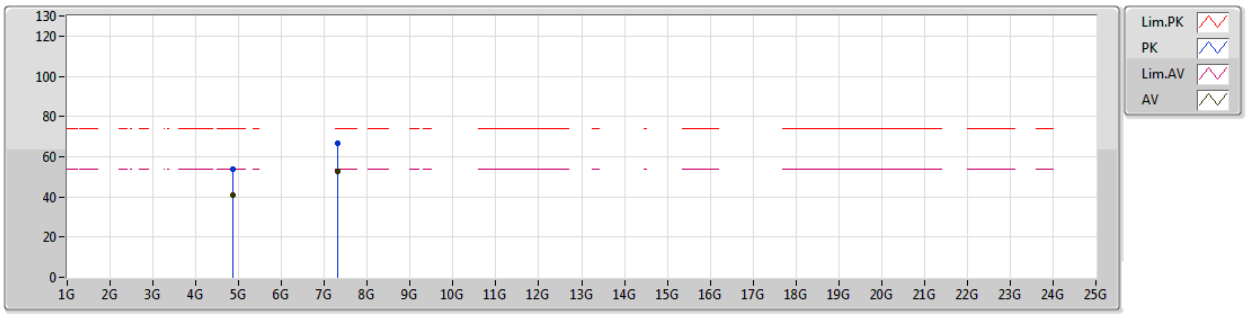
EUT Y_4TX
Setting 22
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	58.69	74.00	-15.31	33.17	3	Horizontal	211	1.66	-
AV	2.3878G	46.23	54.00	-7.77	33.16	3	Horizontal	211	1.66	-
PK	2.4354G	111.30	Inf	-Inf	33.18	3	Horizontal	211	1.66	-
AV	2.4354G	101.25	Inf	-Inf	33.18	3	Horizontal	211	1.66	-
PK	2.4906G	59.47	74.00	-14.53	33.18	3	Horizontal	211	1.66	-
AV	2.4878G	46.50	54.00	-7.50	33.19	3	Horizontal	211	1.66	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

28/09/2018



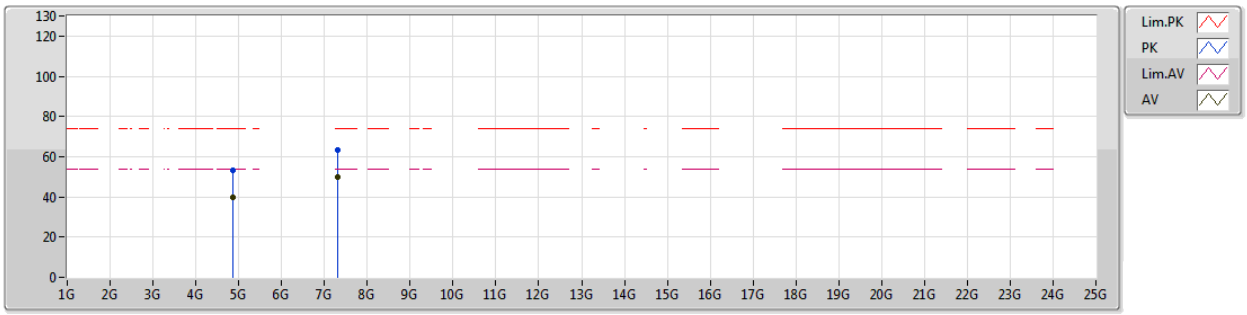
EUT Y_4TX
Setting 22
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8734G	53.58	74.00	-20.42	6.98	3	Vertical	17	1.03	-
AV	4.8722G	41.06	54.00	-12.94	6.98	3	Vertical	17	1.03	-
PK	7.3085G	66.43	74.00	-7.57	11.69	3	Vertical	22	2.54	-
AV	7.3087G	52.84	54.00	-1.16	11.69	3	Vertical	22	2.54	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

28/09/2018



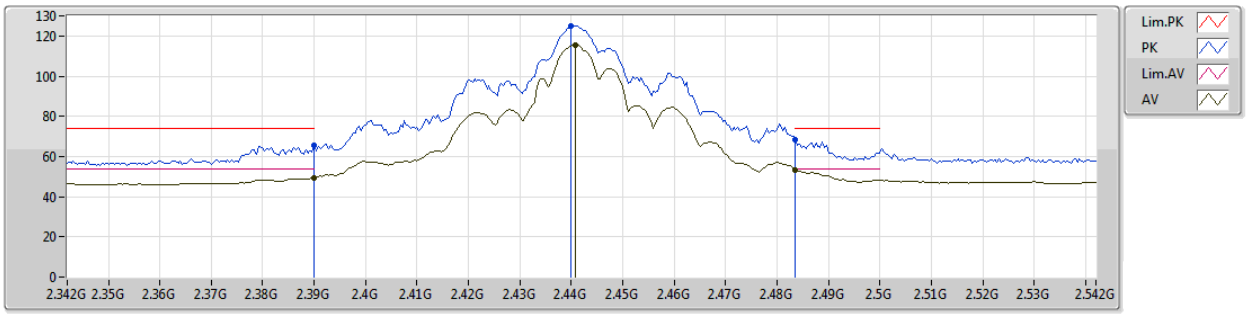
EUT Y_4TX
Setting 22
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8714G	53.00	74.00	-21.00	6.98	3	Horizontal	29	2.41	-
AV	4.8721G	40.03	54.00	-13.97	6.98	3	Horizontal	29	2.41	-
PK	7.3103G	63.32	74.00	-10.68	11.69	3	Horizontal	206	2.99	-
AV	7.3094G	50.01	54.00	-3.99	11.69	3	Horizontal	206	2.99	-

802.11g_Nss1,(6Mbps)_4TX

2442MHz_TX

28/09/2018



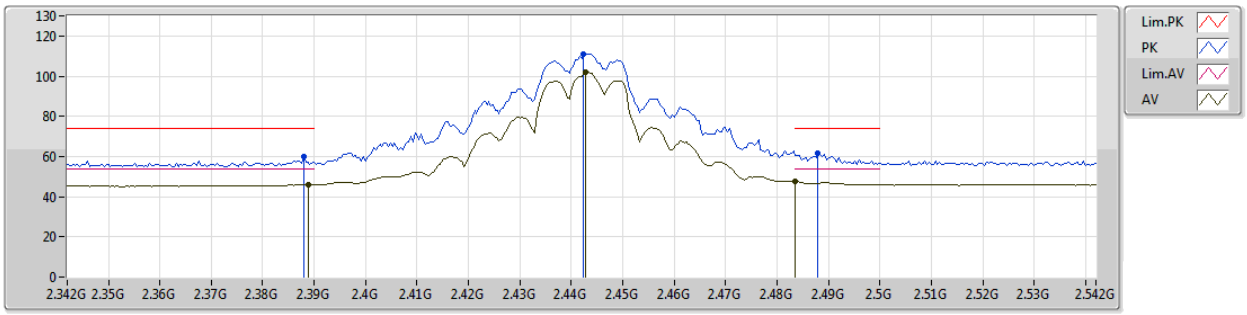
EUT Y_4TX
Setting 21
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	65.50	74.00	-8.50	33.17	3	Vertical	17	1.32	-
AV	2.39G	49.53	54.00	-4.47	33.17	3	Vertical	17	1.32	-
PK	2.44G	125.12	Inf	-Inf	33.18	3	Vertical	17	1.32	-
AV	2.4408G	115.35	Inf	-Inf	33.18	3	Vertical	17	1.32	-
PK	2.4835G	68.25	74.00	-5.75	33.18	3	Vertical	17	1.32	-
AV	2.4835G	53.49	54.00	-0.51	33.18	3	Vertical	17	1.32	-

802.11g_Nss1,(6Mbps)_4TX

2442MHz_TX

28/09/2018



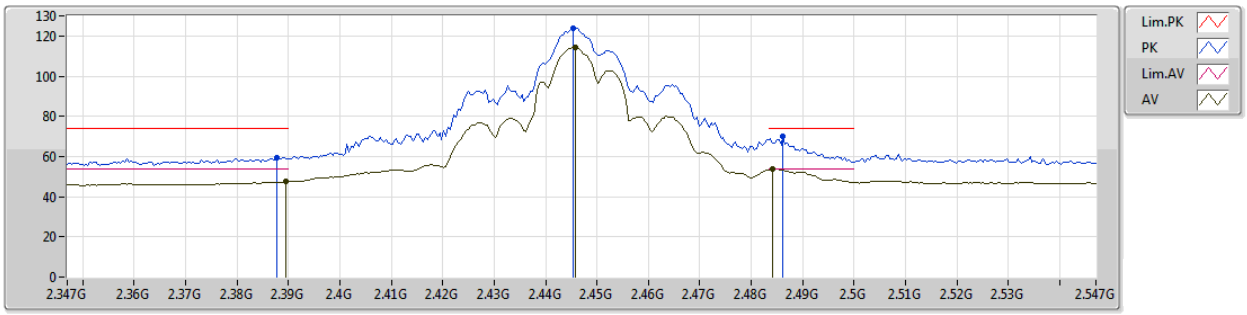
EUT Y_4TX
Setting 21
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.388G	59.91	74.00	-14.09	33.16	3	Horizontal	215	1.67	-
AV	2.3888G	46.09	54.00	-7.91	33.17	3	Horizontal	215	1.67	-
PK	2.4424G	111.19	Inf	-Inf	33.18	3	Horizontal	215	1.67	-
AV	2.4428G	101.79	Inf	-Inf	33.18	3	Horizontal	215	1.67	-
PK	2.488G	61.42	74.00	-12.58	33.19	3	Horizontal	215	1.67	-
AV	2.4835G	47.60	54.00	-6.40	33.18	3	Horizontal	215	1.67	-

802.11g_Nss1,(6Mbps)_4TX

2447MHz_TX

28/09/2018



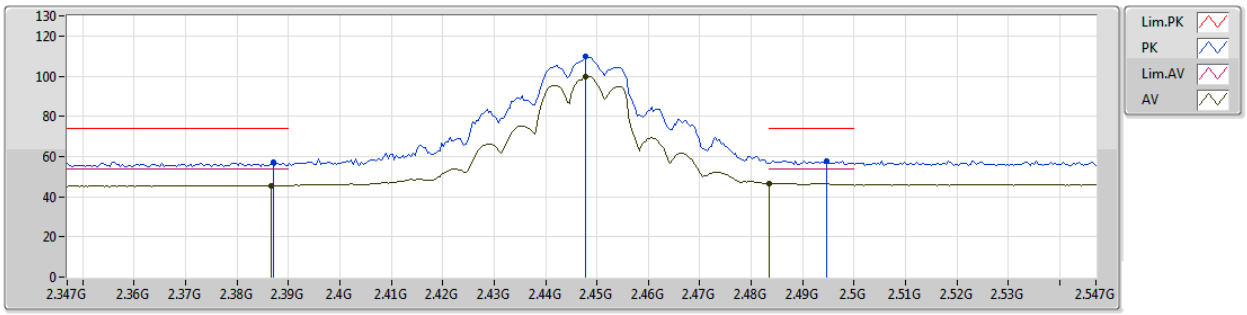
EUT Y_4TX
Setting 19
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3878G	59.36	74.00	-14.64	33.16	3	Vertical	16	1.30	-
AV	2.3894G	47.43	54.00	-6.57	33.17	3	Vertical	16	1.30	-
PK	2.4454G	123.69	Inf	-Inf	33.18	3	Vertical	16	1.30	-
AV	2.4458G	114.13	Inf	-Inf	33.18	3	Vertical	16	1.30	-
PK	2.4862G	69.95	74.00	-4.05	33.19	3	Vertical	16	1.30	-
AV	2.4842G	53.79	54.00	-0.21	33.18	3	Vertical	16	1.30	-

802.11g_Nss1,(6Mbps)_4TX

2447MHz_TX

28/09/2018



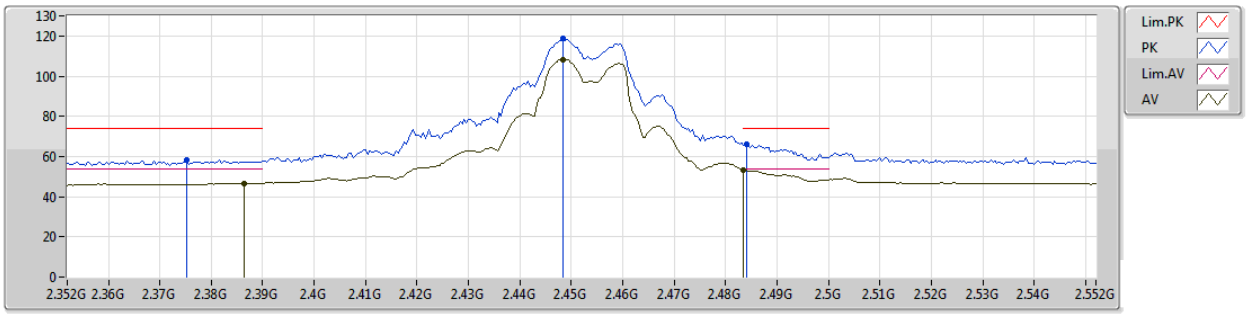
EUT Y_4TX
Setting 19
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	57.33	74.00	-16.67	33.16	3	Horizontal	214	1.67	-
AV	2.3866G	45.62	54.00	-8.38	33.16	3	Horizontal	214	1.67	-
PK	2.4478G	109.64	Inf	-Inf	33.18	3	Horizontal	214	1.67	-
AV	2.4478G	99.92	Inf	-Inf	33.18	3	Horizontal	214	1.67	-
PK	2.4946G	57.97	74.00	-16.03	33.19	3	Horizontal	214	1.67	-
AV	2.4835G	46.62	54.00	-7.38	33.18	3	Horizontal	214	1.67	-

802.11g_Nss1,(6Mbps)_4TX

2452MHz_TX

28/09/2018



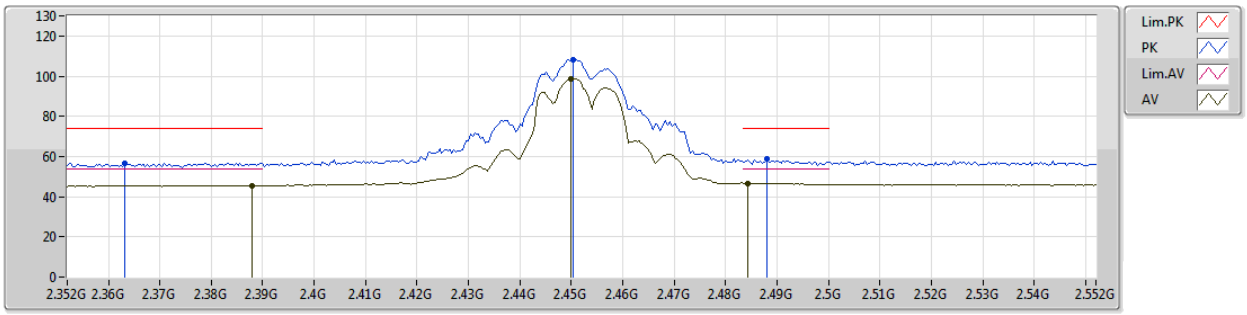
EUT Y_4TX
Setting 17
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3752G	58.40	74.00	-15.60	33.16	3	Vertical	7	1.11	-
AV	2.3864G	46.68	54.00	-7.32	33.16	3	Vertical	7	1.11	-
PK	2.4484G	118.90	Inf	-Inf	33.18	3	Vertical	7	1.11	-
AV	2.4484G	108.24	Inf	-Inf	33.18	3	Vertical	7	1.11	-
PK	2.484G	65.94	74.00	-8.06	33.18	3	Vertical	7	1.11	-
AV	2.4835G	53.45	54.00	-0.55	33.18	3	Vertical	7	1.11	-

802.11g_Nss1,(6Mbps)_4TX

2452MHz_TX

28/09/2018



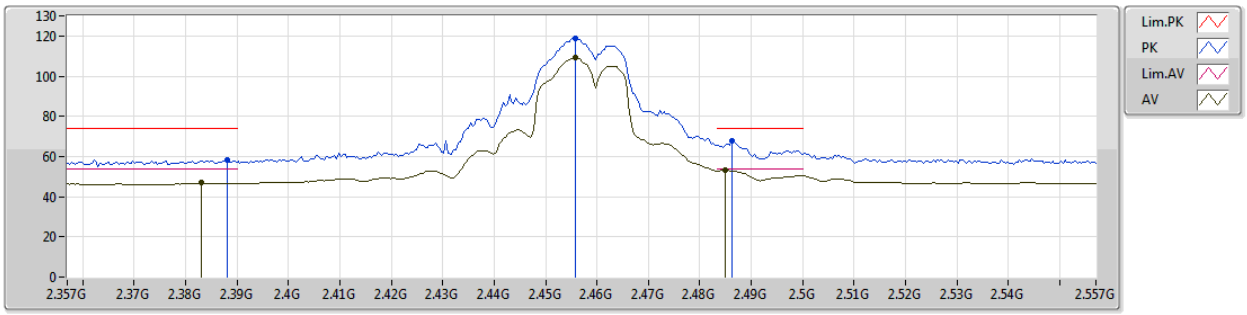
EUT Y_4TX
Setting 17
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3632G	56.68	74.00	-17.32	33.15	3	Horizontal	211	2.10	-
AV	2.388G	45.53	54.00	-8.47	33.16	3	Horizontal	211	2.10	-
PK	2.4504G	108.06	Inf	-Inf	33.18	3	Horizontal	211	2.10	-
AV	2.45G	98.75	Inf	-Inf	33.19	3	Horizontal	211	2.10	-
PK	2.488G	58.95	74.00	-15.05	33.19	3	Horizontal	211	2.10	-
AV	2.4844G	46.77	54.00	-7.23	33.18	3	Horizontal	211	2.10	-

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

28/09/2018



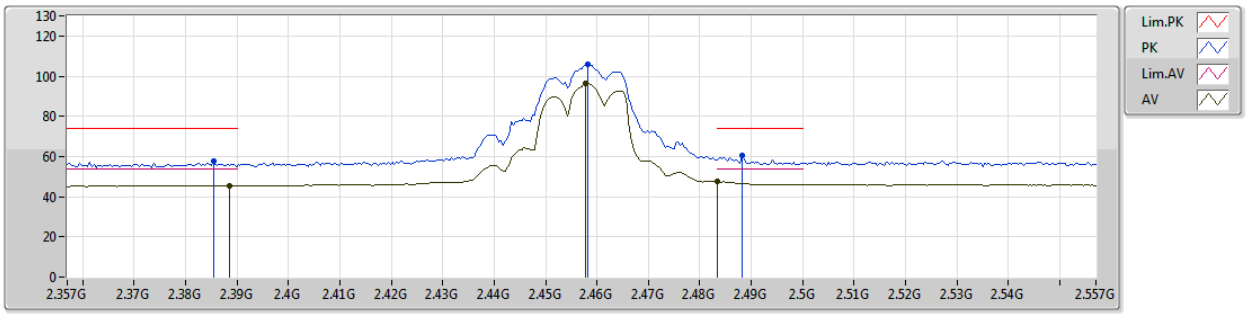
EUT Y_4TX
Setting 15
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	58.18	74.00	-15.82	33.17	3	Vertical	7	1.26	-
AV	2.383G	46.79	54.00	-7.21	33.16	3	Vertical	7	1.26	-
PK	2.4558G	118.85	Inf	-Inf	33.18	3	Vertical	7	1.26	-
AV	2.4558G	109.11	Inf	-Inf	33.18	3	Vertical	7	1.26	-
PK	2.4862G	67.75	74.00	-6.25	33.19	3	Vertical	7	1.26	-
AV	2.485G	53.46	54.00	-0.54	33.18	3	Vertical	7	1.26	-

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

28/09/2018



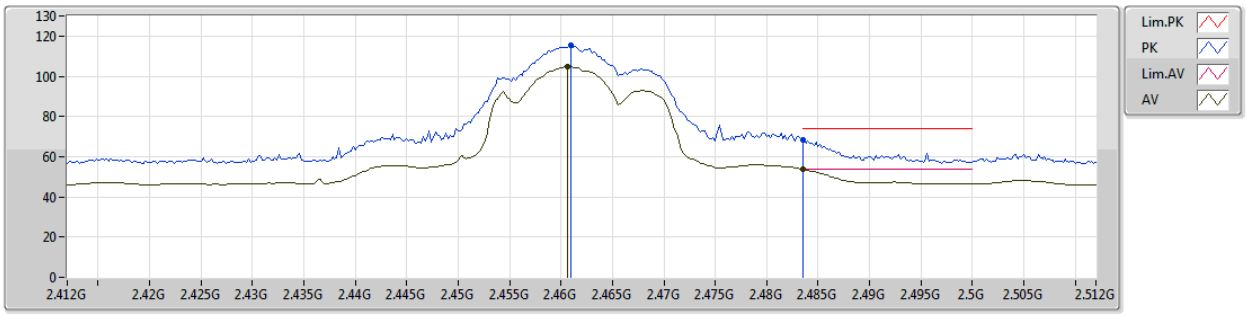
EUT Y_4TX
Setting 15
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3854G	57.48	74.00	-16.52	33.16	3	Horizontal	214	1.60	-
AV	2.3886G	45.61	54.00	-8.39	33.17	3	Horizontal	214	1.60	-
PK	2.4582G	105.78	Inf	-Inf	33.18	3	Horizontal	214	1.60	-
AV	2.4578G	96.25	Inf	-Inf	33.18	3	Horizontal	214	1.60	-
PK	2.4882G	60.39	74.00	-13.61	33.19	3	Horizontal	214	1.60	-
AV	2.4835G	47.45	54.00	-6.55	33.18	3	Horizontal	214	1.60	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

27/09/2018



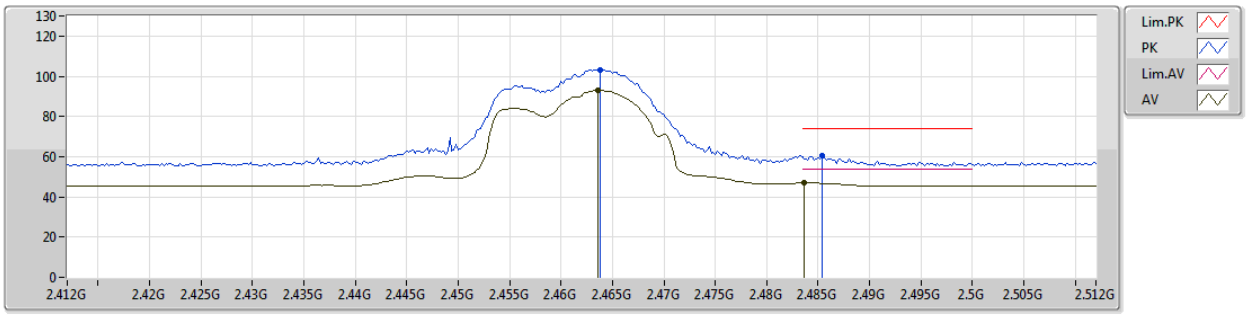
EUT Y_4TX
Setting 11
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.461G	115.41	Inf	-Inf	33.18	3	Vertical	331	2.03	-
AV	2.4606G	104.62	Inf	-Inf	33.18	3	Vertical	331	2.03	-
PK	2.4835G	68.26	74.00	-5.74	33.18	3	Vertical	331	2.03	-
AV	2.4835G	53.68	54.00	-0.32	33.18	3	Vertical	331	2.03	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

27/09/2018



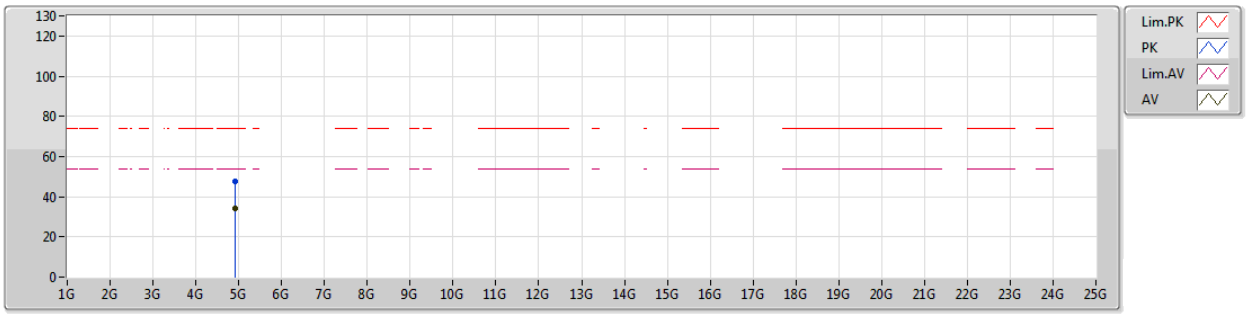
EUT Y_4TX
Setting 11
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4638G	103.38	Inf	-Inf	33.18	3	Horizontal	10	2.15	-
AV	2.4636G	92.97	Inf	-Inf	33.18	3	Horizontal	10	2.15	-
PK	2.4854G	60.53	74.00	-13.47	33.19	3	Horizontal	10	2.15	-
AV	2.4836G	46.91	54.00	-7.09	33.18	3	Horizontal	10	2.15	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

28/09/2018



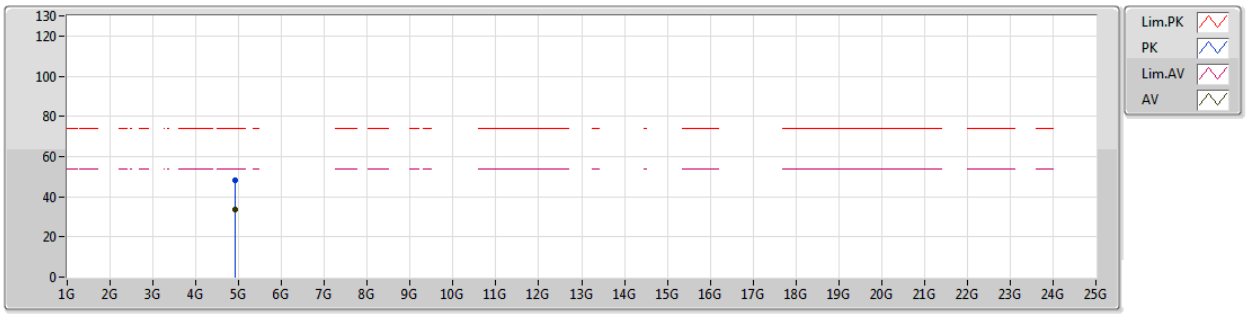
EUT Y_4TX
Setting 11
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92539G	47.55	74.00	-26.45	7.12	3	Vertical	278	1.02	-
AV	4.92524G	34.22	54.00	-19.78	7.12	3	Vertical	278	1.02	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

28/09/2018



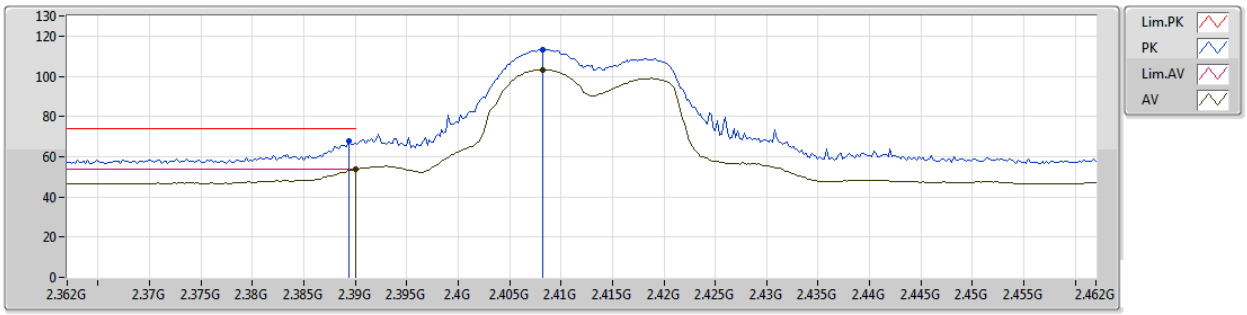
EUT Y_4TX
Setting 11
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92255G	48.16	74.00	-25.84	7.10	3	Horizontal	229	1.53	-
AV	4.92245G	33.48	54.00	-20.52	7.10	3	Horizontal	229	1.53	-

802.11n HT20_Nss1,(MCS0)_4TX

2412MHz_TX

27/09/2018



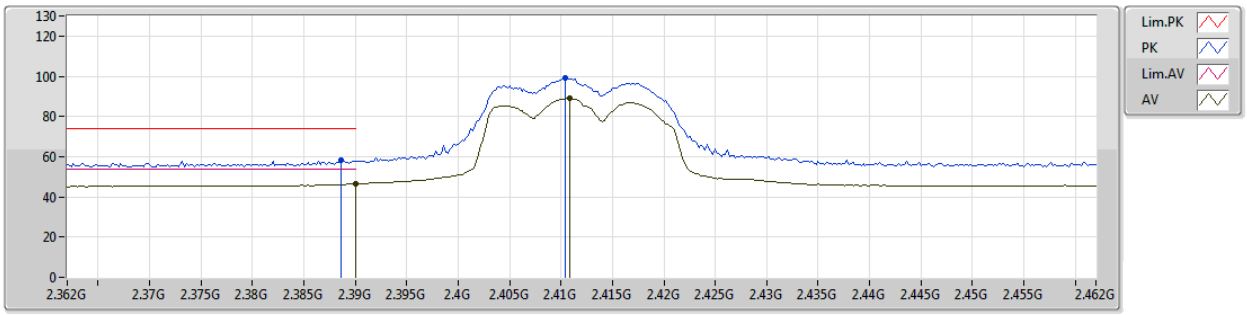
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	67.71	74.00	-6.29	33.17	3	Vertical	0	1.79	-
AV	2.39G	53.73	54.00	-0.27	33.17	3	Vertical	0	1.79	-
PK	2.4082G	113.29	Inf	-Inf	33.17	3	Vertical	0	1.79	-
AV	2.4082G	103.34	Inf	-Inf	33.17	3	Vertical	0	1.79	-

802.11n HT20_Nss1,(MCS0)_4TX

2412MHz_TX

27/09/2018



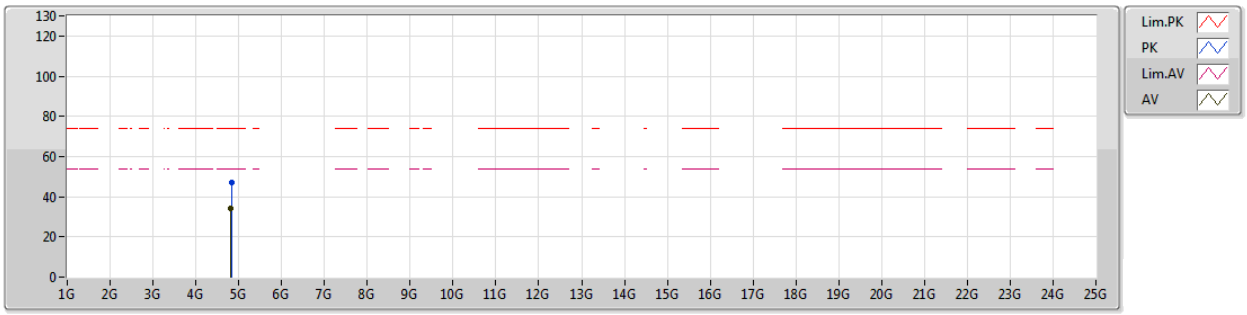
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	58.19	74.00	-15.81	33.17	3	Horizontal	241	1.63	-
AV	2.39G	46.34	54.00	-7.66	33.17	3	Horizontal	241	1.63	-
PK	2.4104G	99.36	Inf	-Inf	33.17	3	Horizontal	241	1.63	-
AV	2.4108G	88.84	Inf	-Inf	33.17	3	Horizontal	241	1.63	-

802.11n HT20_Nss1,(MCS0)_4TX

2412MHz_TX

28/09/2018



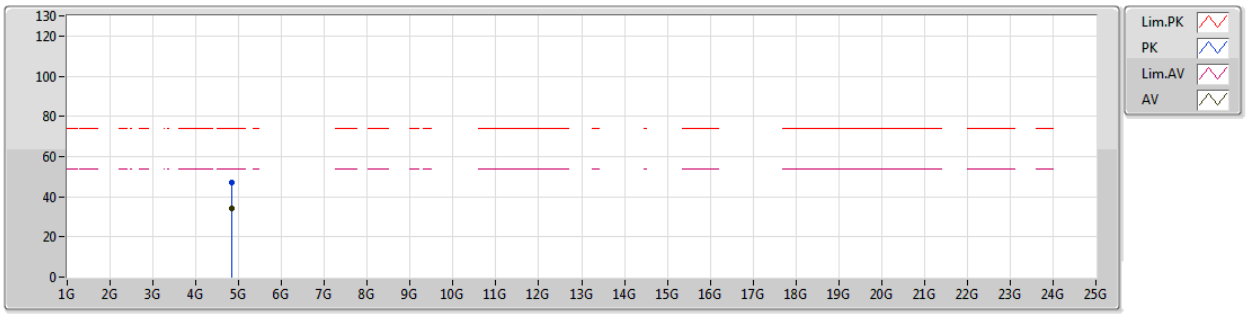
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82554G	47.28	74.00	-26.72	6.88	3	Vertical	142	1.58	-
AV	4.82355G	34.45	54.00	-19.55	6.86	3	Vertical	142	1.58	-

802.11n HT20_Nss1,(MCS0)_4TX

2412MHz_TX

28/09/2018



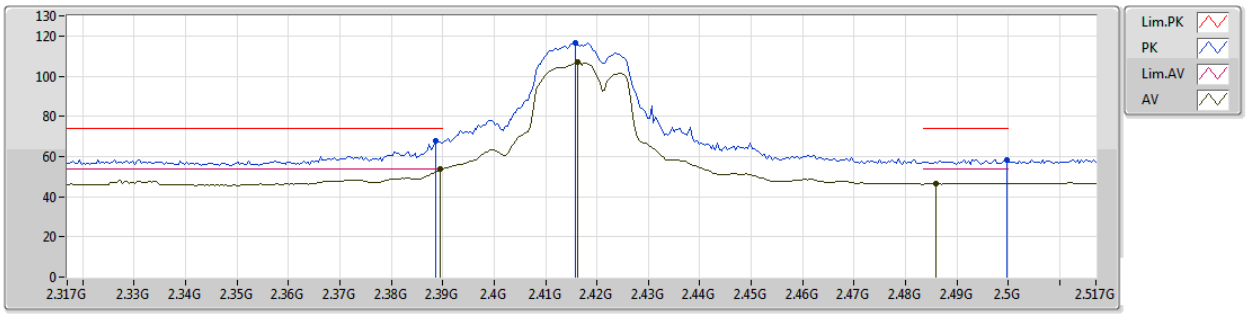
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82573G	46.84	74.00	-27.16	6.88	3	Horizontal	246	1.21	-
AV	4.82516G	34.20	54.00	-19.80	6.88	3	Horizontal	246	1.21	-

802.11n HT20_Nss1,(MCS0)_4TX

2417MHz_TX

28/09/2018



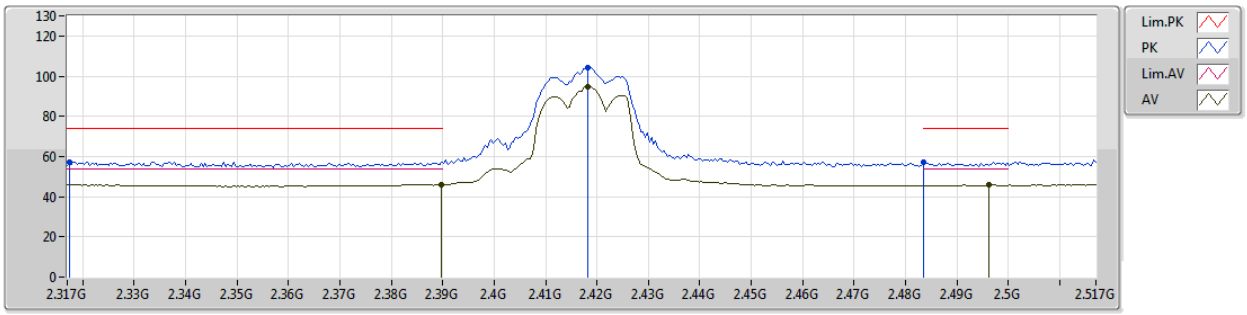
EUT Y_4TX
Setting 13
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	67.86	74.00	-6.14	33.17	3	Vertical	11	1.80	-
AV	2.3894G	53.55	54.00	-0.45	33.17	3	Vertical	11	1.80	-
PK	2.4158G	116.54	Inf	-Inf	33.18	3	Vertical	11	1.80	-
AV	2.4162G	106.84	Inf	-Inf	33.18	3	Vertical	11	1.80	-
PK	2.4998G	58.46	74.00	-15.54	33.19	3	Vertical	11	1.80	-
AV	2.4858G	46.56	54.00	-7.44	33.19	3	Vertical	11	1.80	-

802.11n HT20_Nss1,(MCS0)_4TX

2417MHz_TX

28/09/2018



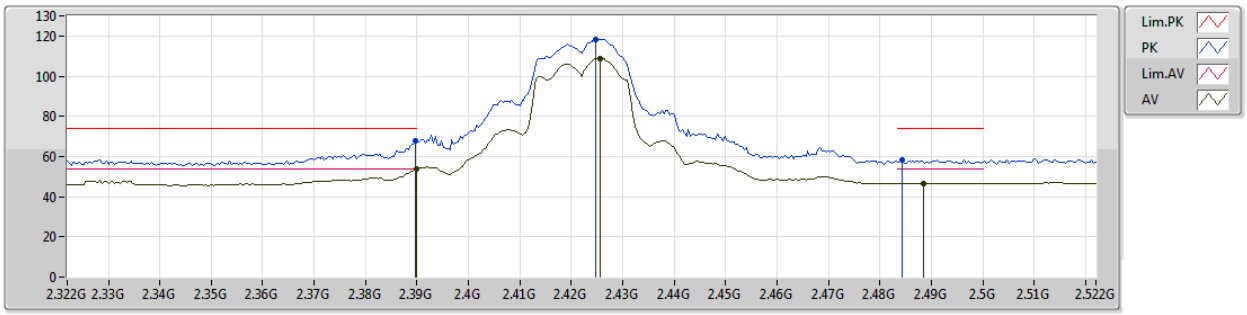
EUT Y_4TX
Setting 13
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3174G	57.27	74.00	-16.73	33.12	3	Horizontal	213	1.61	-
AV	2.3898G	46.01	54.00	-7.99	33.17	3	Horizontal	213	1.61	-
PK	2.4182G	104.20	Inf	-Inf	33.17	3	Horizontal	213	1.61	-
AV	2.4182G	94.76	Inf	-Inf	33.17	3	Horizontal	213	1.61	-
PK	2.4835G	57.10	74.00	-16.90	33.18	3	Horizontal	213	1.61	-
AV	2.4962G	45.83	54.00	-8.17	33.19	3	Horizontal	213	1.61	-

802.11n HT20_Nss1,(MCS0)_4TX

2422MHz_TX

28/09/2018



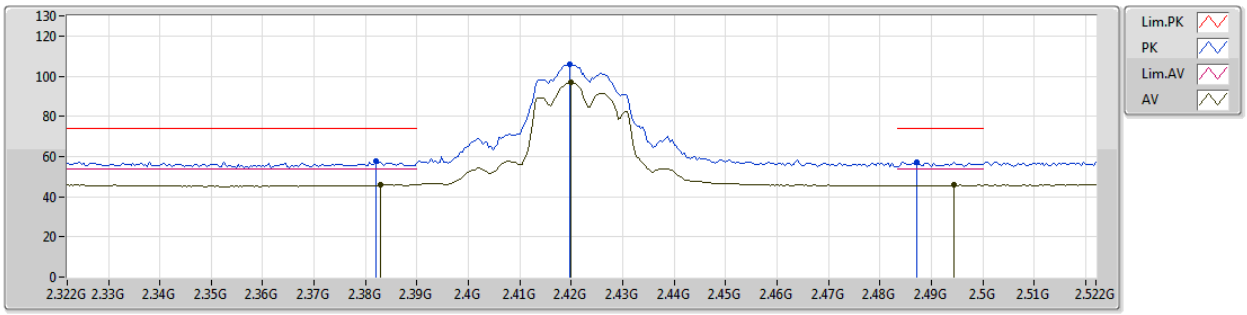
EUT Y_4TX
Setting 15
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	67.91	74.00	-6.09	33.17	3	Vertical	13	1.76	-
AV	2.39G	53.64	54.00	-0.36	33.17	3	Vertical	13	1.76	-
PK	2.4248G	118.39	Inf	-Inf	33.17	3	Vertical	13	1.76	-
AV	2.4256G	108.92	Inf	-Inf	33.17	3	Vertical	13	1.76	-
PK	2.4844G	58.14	74.00	-15.86	33.18	3	Vertical	13	1.76	-
AV	2.4884G	46.67	54.00	-7.33	33.19	3	Vertical	13	1.76	-

802.11n HT20_Nss1,(MCS0)_4TX

2422MHz_TX

28/09/2018



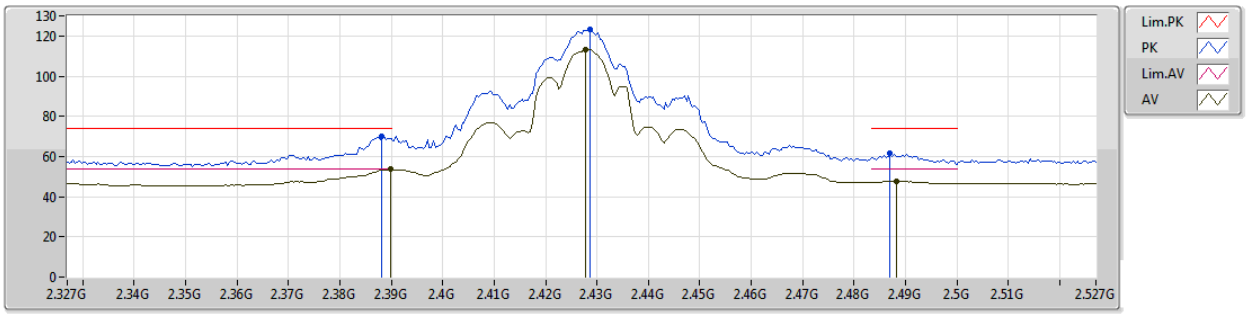
EUT Y_4TX
Setting 15
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.382G	57.67	74.00	-16.33	33.16	3	Horizontal	215	2.23	-
AV	2.3828G	45.93	54.00	-8.07	33.16	3	Horizontal	215	2.23	-
PK	2.4196G	106.13	Inf	-Inf	33.17	3	Horizontal	215	2.23	-
AV	2.42G	96.84	Inf	-Inf	33.17	3	Horizontal	215	2.23	-
PK	2.4872G	57.14	74.00	-16.86	33.19	3	Horizontal	215	2.23	-
AV	2.4944G	45.75	54.00	-8.25	33.19	3	Horizontal	215	2.23	-

802.11n HT20_Nss1,(MCS0)_4TX

2427MHz_TX

28/09/2018



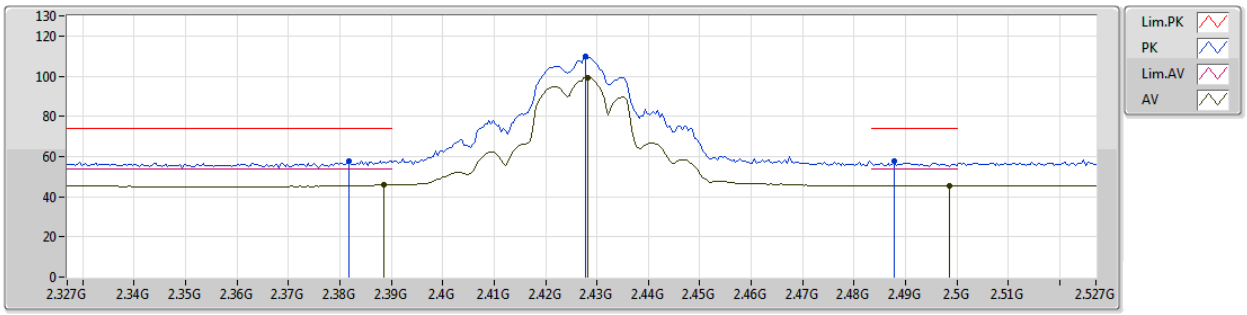
EUT Y_4TX
Setting 18
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	70.19	74.00	-3.81	33.17	3	Vertical	178	1.50	-
AV	2.3898G	53.53	54.00	-0.47	33.17	3	Vertical	178	1.50	-
PK	2.4286G	123.10	Inf	-Inf	33.18	3	Vertical	178	1.50	-
AV	2.4278G	113.19	Inf	-Inf	33.18	3	Vertical	178	1.50	-
PK	2.487G	61.39	74.00	-12.61	33.19	3	Vertical	178	1.50	-
AV	2.4882G	47.75	54.00	-6.25	33.19	3	Vertical	178	1.50	-

802.11n HT20_Nss1,(MCS0)_4TX

2427MHz_TX

28/09/2018



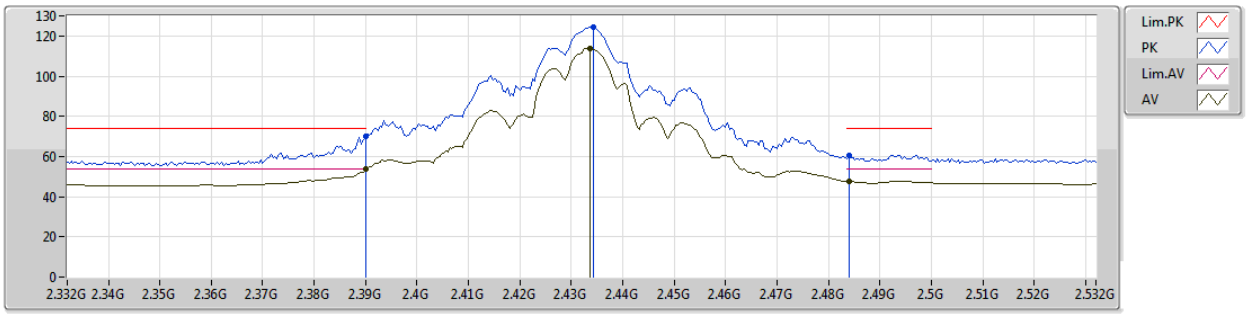
EUT Y_4TX
Setting 18
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3818G	57.76	74.00	-16.24	33.16	3	Horizontal	214	1.28	-
AV	2.3886G	45.84	54.00	-8.16	33.17	3	Horizontal	214	1.28	-
PK	2.4278G	109.75	Inf	-Inf	33.18	3	Horizontal	214	1.28	-
AV	2.4282G	99.26	Inf	-Inf	33.18	3	Horizontal	214	1.28	-
PK	2.4878G	57.94	74.00	-16.06	33.19	3	Horizontal	214	1.28	-
AV	2.4986G	45.48	54.00	-8.52	33.19	3	Horizontal	214	1.28	-

802.11n HT20_Nss1,(MCS0)_4TX

2432MHz_TX

28/09/2018



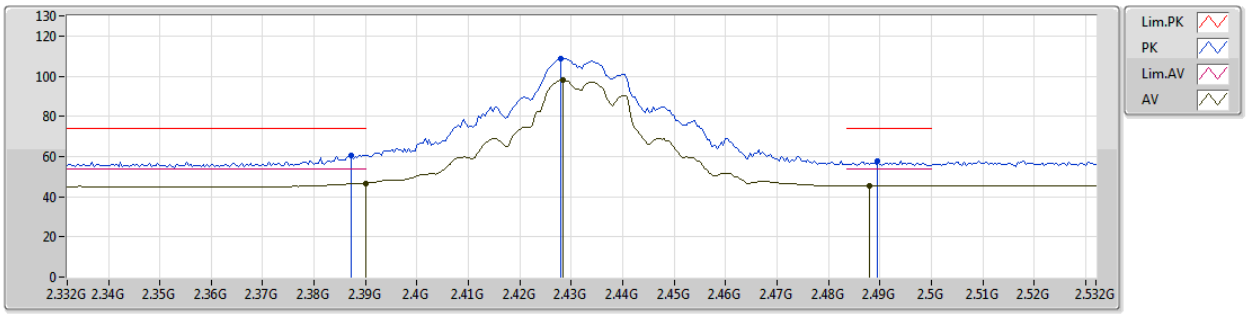
EUT Y_4TX
Setting 20
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	70.21	74.00	-3.79	33.17	3	Vertical	3	2.76	-
AV	2.39G	53.58	54.00	-0.42	33.17	3	Vertical	3	2.76	-
PK	2.4344G	124.21	Inf	-Inf	33.18	3	Vertical	3	2.76	-
AV	2.4336G	113.74	Inf	-Inf	33.18	3	Vertical	3	2.76	-
PK	2.484G	60.71	74.00	-13.29	33.18	3	Vertical	3	2.76	-
AV	2.484G	47.57	54.00	-6.43	33.18	3	Vertical	3	2.76	-

802.11n HT20_Nss1,(MCS0)_4TX

2432MHz_TX

28/09/2018



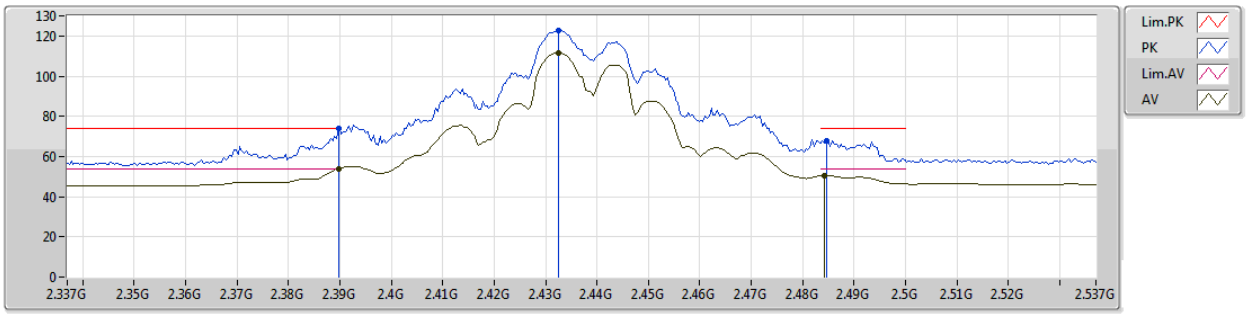
EUT Y_4TX
Setting 20
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3872G	60.74	74.00	-13.26	33.16	3	Horizontal	239	1.50	-
AV	2.39G	46.48	54.00	-7.52	33.17	3	Horizontal	239	1.50	-
PK	2.428G	108.77	Inf	-Inf	33.18	3	Horizontal	239	1.50	-
AV	2.4284G	97.91	Inf	-Inf	33.18	3	Horizontal	239	1.50	-
PK	2.4896G	57.58	74.00	-16.42	33.19	3	Horizontal	239	1.50	-
AV	2.488G	45.40	54.00	-8.60	33.19	3	Horizontal	239	1.50	-

802.11n HT20_Nss1,(MCS0)_4TX

2437MHz_TX

27/09/2018



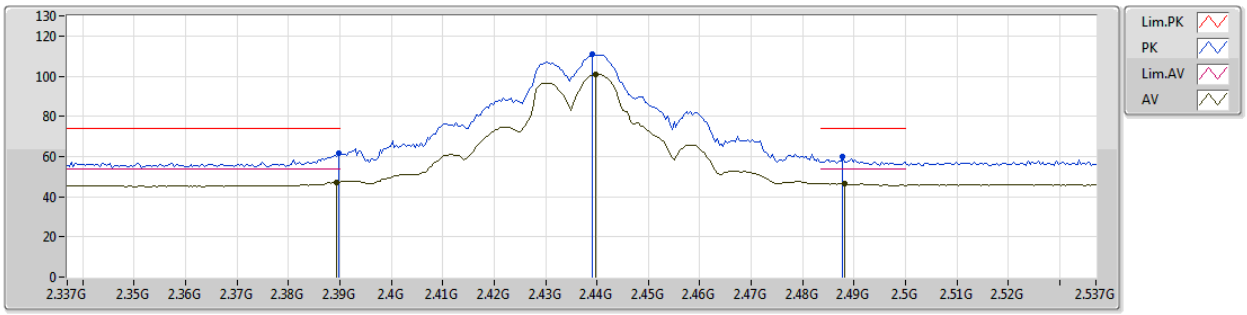
EUT Y_4TX
Setting 21
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	73.73	74.00	-0.27	33.17	3	Vertical	37	1.50	-
AV	2.3898G	53.96	54.00	-0.04	33.17	3	Vertical	37	1.50	-
PK	2.4326G	122.77	Inf	-Inf	33.18	3	Vertical	37	1.50	-
AV	2.4326G	111.36	Inf	-Inf	33.18	3	Vertical	37	1.50	-
PK	2.4846G	68.08	74.00	-5.92	33.18	3	Vertical	37	1.50	-
AV	2.4842G	50.52	54.00	-3.48	33.18	3	Vertical	37	1.50	-

802.11n HT20_Nss1,(MCS0)_4TX

2437MHz_TX

27/09/2018



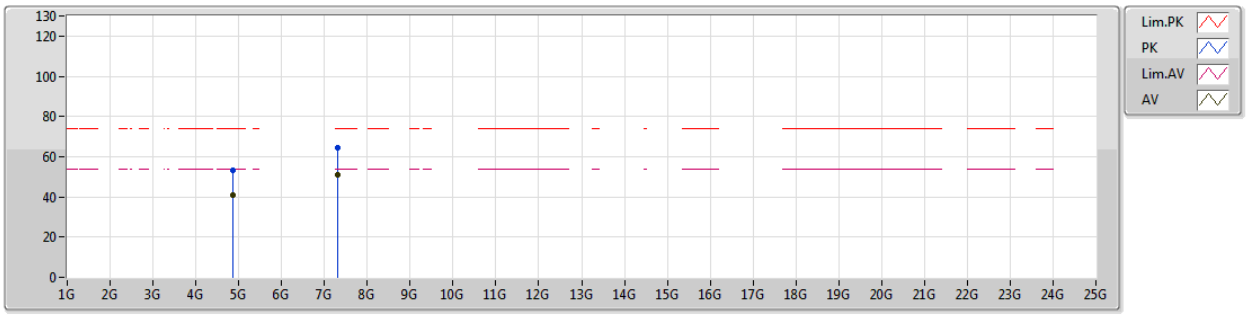
EUT Y_4TX
Setting 21
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	61.78	74.00	-12.22	33.17	3	Horizontal	21	2.32	-
AV	2.3894G	47.23	54.00	-6.77	33.17	3	Horizontal	21	2.32	-
PK	2.439G	110.82	Inf	-Inf	33.18	3	Horizontal	21	2.32	-
AV	2.4398G	100.92	Inf	-Inf	33.18	3	Horizontal	21	2.32	-
PK	2.4878G	59.73	74.00	-14.27	33.19	3	Horizontal	21	2.32	-
AV	2.4882G	46.43	54.00	-7.57	33.19	3	Horizontal	21	2.32	-

802.11n HT20_Nss1,(MCS0)_4TX

2437MHz_TX

28/09/2018



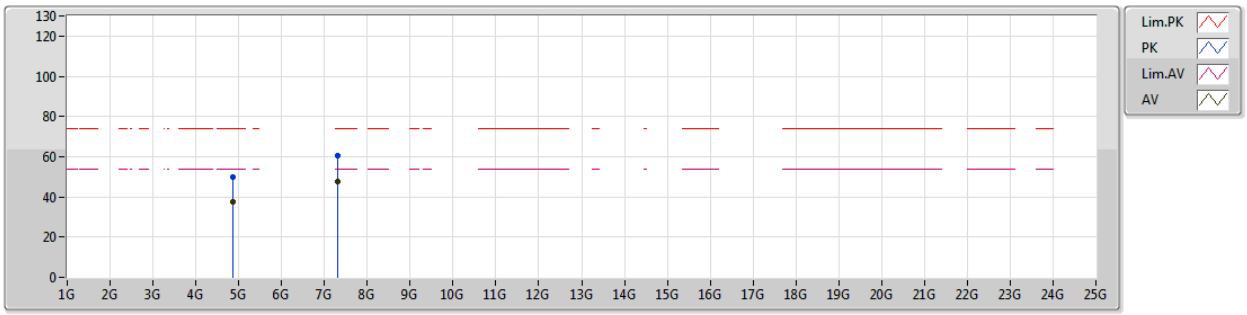
EUT Y_4TX
Setting 21
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8733G	53.38	74.00	-20.62	6.98	3	Vertical	13	2.73	-
AV	4.8728G	41.09	54.00	-12.91	6.98	3	Vertical	13	2.73	-
PK	7.3061G	64.67	74.00	-9.33	11.70	3	Vertical	20	2.71	-
AV	7.3076G	51.13	54.00	-2.87	11.70	3	Vertical	20	2.71	-

802.11n HT20_Nss1,(MCS0)_4TX

2437MHz_TX

28/09/2018



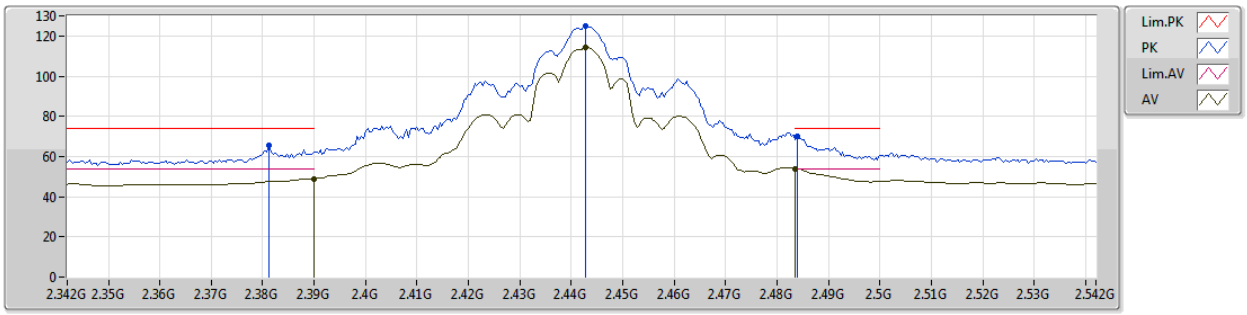
EUT Y_4TX
Setting 21
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8714G	50.07	74.00	-23.93	6.98	3	Horizontal	74	1.44	-
AV	4.8724G	37.59	54.00	-16.41	6.98	3	Horizontal	74	1.44	-
PK	7.3078G	60.76	74.00	-13.24	11.70	3	Horizontal	205	2.50	-
AV	7.3074G	47.48	54.00	-6.52	11.70	3	Horizontal	205	2.50	-

802.11n HT20_Nss1,(MCS0)_4TX

2442MHz_TX

28/09/2018



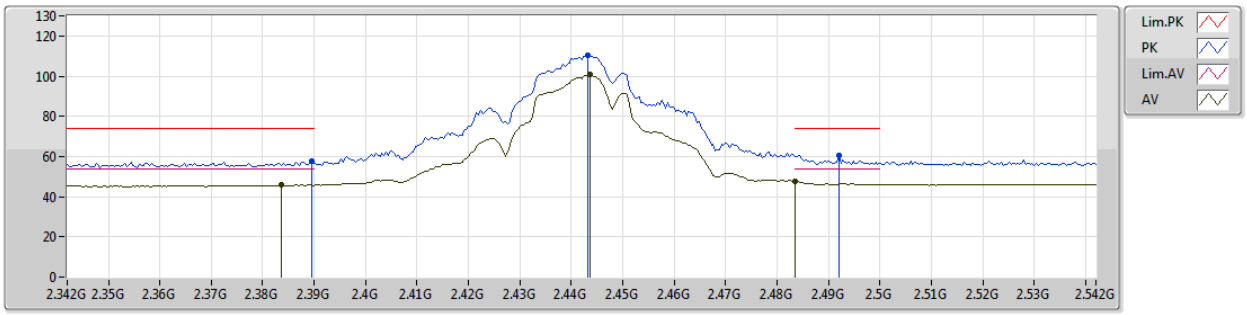
EUT Y_4TX
Setting 19.5
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3812G	65.54	74.00	-8.46	33.16	3	Vertical	0	1.50	-
AV	2.39G	48.89	54.00	-5.11	33.17	3	Vertical	0	1.50	-
PK	2.4428G	124.73	Inf	-Inf	33.18	3	Vertical	0	1.50	-
AV	2.4428G	114.12	Inf	-Inf	33.18	3	Vertical	0	1.50	-
PK	2.484G	70.20	74.00	-3.80	33.18	3	Vertical	0	1.50	-
AV	2.48351G	53.98	54.00	-0.02	33.18	3	Vertical	0	1.50	-

802.11n HT20_Nss1,(MCS0)_4TX

2442MHz_TX

28/09/2018



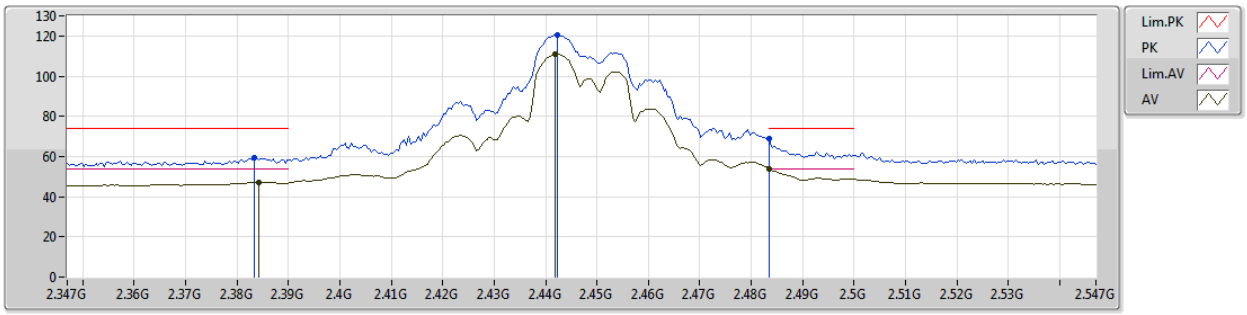
EUT Y_4TX
Setting 19.5
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	57.68	74.00	-16.32	33.17	3	Horizontal	211	1.04	-
AV	2.3836G	45.74	54.00	-8.26	33.16	3	Horizontal	211	1.04	-
PK	2.4432G	110.44	Inf	-Inf	33.18	3	Horizontal	211	1.04	-
AV	2.4436G	100.61	Inf	-Inf	33.17	3	Horizontal	211	1.04	-
PK	2.492G	60.59	74.00	-13.41	33.19	3	Horizontal	211	1.04	-
AV	2.4835G	47.48	54.00	-6.52	33.18	3	Horizontal	211	1.04	-

802.11n HT20_Nss1,(MCS0)_4TX

2447MHz_TX

28/09/2018



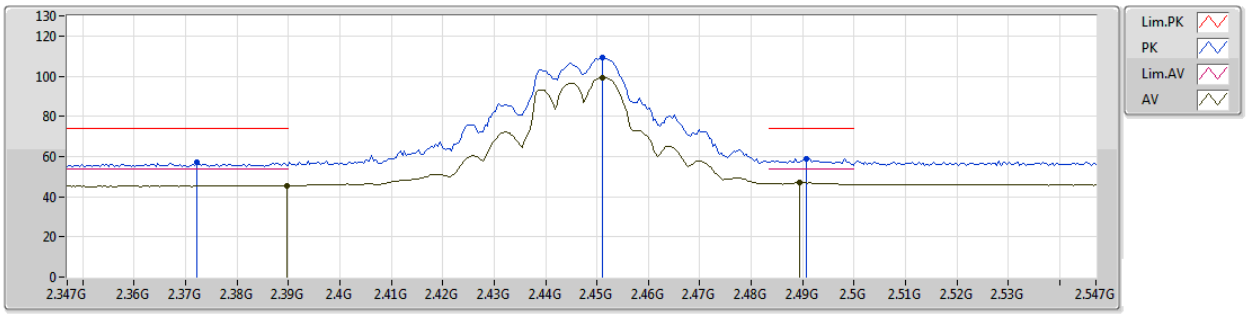
EUT Y_4TX
Setting 19
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3834G	59.25	74.00	-14.75	33.16	3	Vertical	33	1.39	-
AV	2.3842G	47.23	54.00	-6.77	33.16	3	Vertical	33	1.39	-
PK	2.4422G	120.63	Inf	-Inf	33.18	3	Vertical	33	1.39	-
AV	2.4418G	110.86	Inf	-Inf	33.18	3	Vertical	33	1.39	-
PK	2.4835G	68.96	74.00	-5.04	33.18	3	Vertical	33	1.39	-
AV	2.4835G	53.86	54.00	-0.14	33.18	3	Vertical	33	1.39	-

802.11n HT20_Nss1,(MCS0)_4TX

2447MHz_TX

28/09/2018



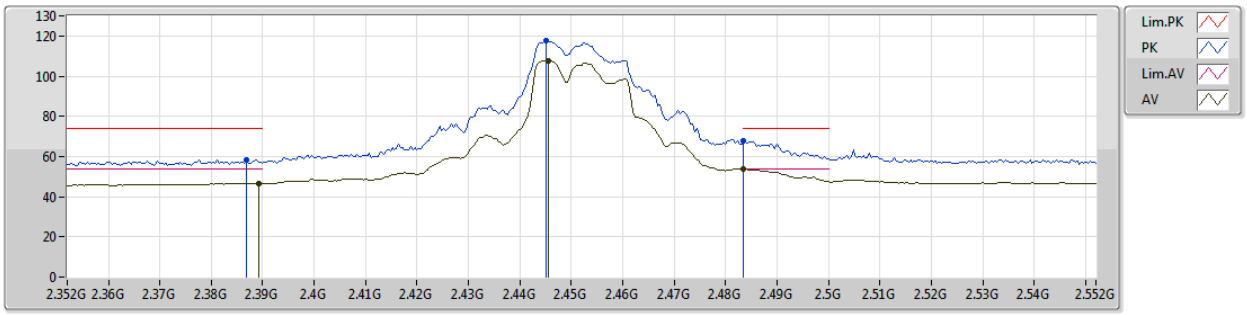
EUT Y_4TX
Setting 19
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3722G	57.01	74.00	-16.99	33.15	3	Horizontal	213	1.59	-
AV	2.3898G	45.55	54.00	-8.45	33.17	3	Horizontal	213	1.59	-
PK	2.451G	109.34	Inf	-Inf	33.18	3	Horizontal	213	1.59	-
AV	2.451G	99.37	Inf	-Inf	33.18	3	Horizontal	213	1.59	-
PK	2.4906G	59.06	74.00	-14.94	33.18	3	Horizontal	213	1.59	-
AV	2.4894G	46.93	54.00	-7.07	33.19	3	Horizontal	213	1.59	-

802.11n HT20_Nss1,(MCS0)_4TX

2452MHz_TX

28/09/2018



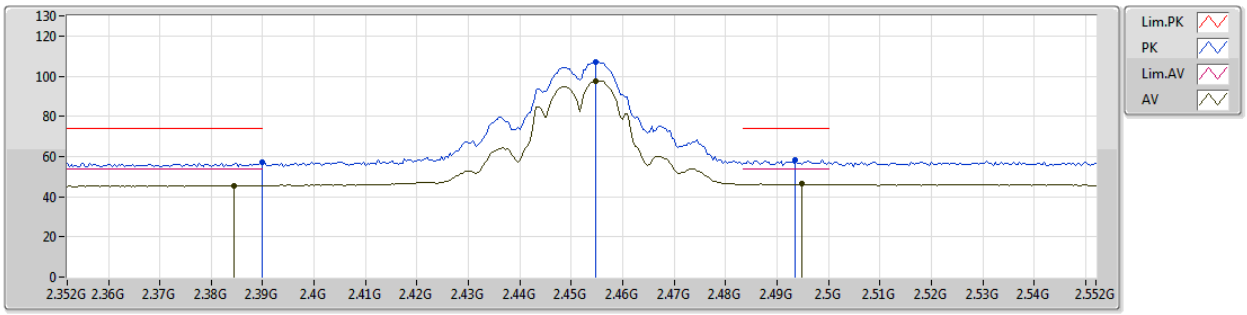
EUT Y_4TX
Setting 17
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3868G	58.37	74.00	-15.63	33.16	3	Vertical	185	1.82	-
AV	2.3892G	46.63	54.00	-7.37	33.17	3	Vertical	185	1.82	-
PK	2.4452G	117.95	Inf	-Inf	33.18	3	Vertical	185	1.82	-
AV	2.4456G	107.79	Inf	-Inf	33.18	3	Vertical	185	1.82	-
PK	2.4835G	67.74	74.00	-6.26	33.18	3	Vertical	185	1.82	-
AV	2.4835G	53.93	54.00	-0.07	33.18	3	Vertical	185	1.82	-

802.11n HT20_Nss1,(MCS0)_4TX

2452MHz_TX

28/09/2018



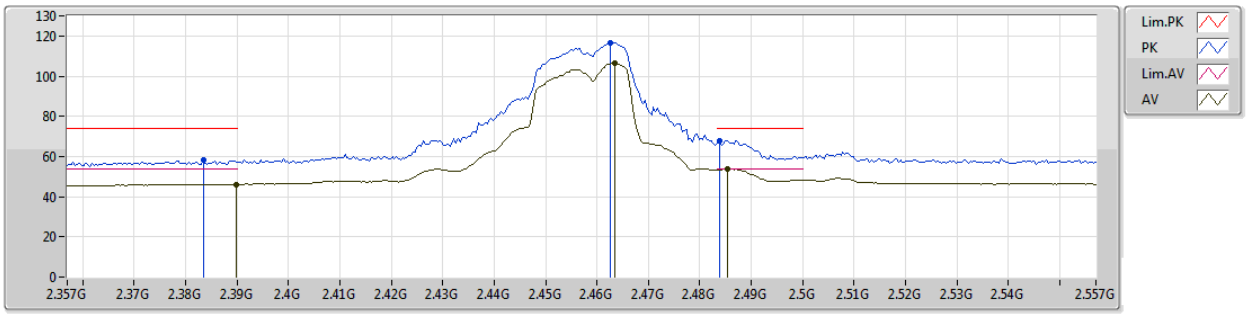
EUT Y_4TX
Setting 17
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	56.89	74.00	-17.11	33.17	3	Horizontal	234	1.93	-
AV	2.3844G	45.47	54.00	-8.53	33.16	3	Horizontal	234	1.93	-
PK	2.4548G	107.17	Inf	-Inf	33.18	3	Horizontal	234	1.93	-
AV	2.4548G	97.76	Inf	-Inf	33.18	3	Horizontal	234	1.93	-
PK	2.4936G	58.16	74.00	-15.84	33.19	3	Horizontal	234	1.93	-
AV	2.4948G	46.28	54.00	-7.72	33.19	3	Horizontal	234	1.93	-

802.11n HT20_Nss1,(MCS0)_4TX

2457MHz_TX

28/09/2018



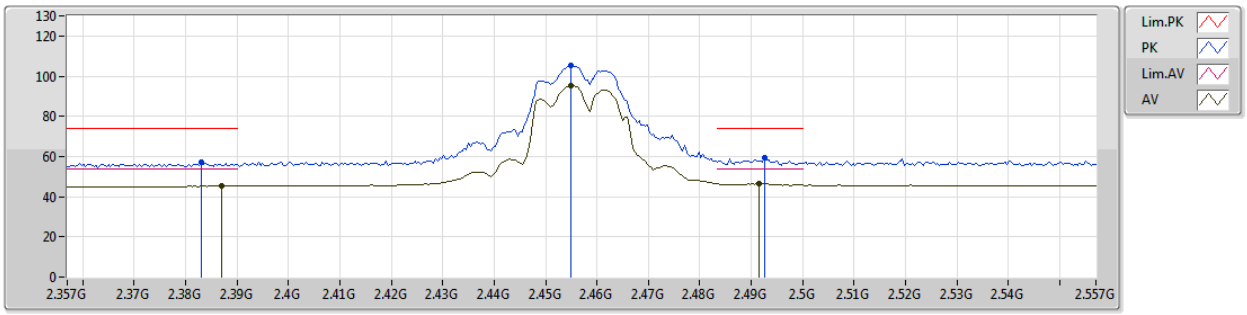
EUT Y_4TX
Setting 15
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3834G	58.45	74.00	-15.55	33.16	3	Vertical	183	2.04	-
AV	2.3898G	46.17	54.00	-7.83	33.17	3	Vertical	183	2.04	-
PK	2.4626G	116.83	Inf	-Inf	33.19	3	Vertical	183	2.04	-
AV	2.4634G	106.32	Inf	-Inf	33.18	3	Vertical	183	2.04	-
PK	2.4838G	68.05	74.00	-5.95	33.18	3	Vertical	183	2.04	-
AV	2.4854G	53.80	54.00	-0.20	33.19	3	Vertical	183	2.04	-

802.11n HT20_Nss1,(MCS0)_4TX

2457MHz_TX

28/09/2018



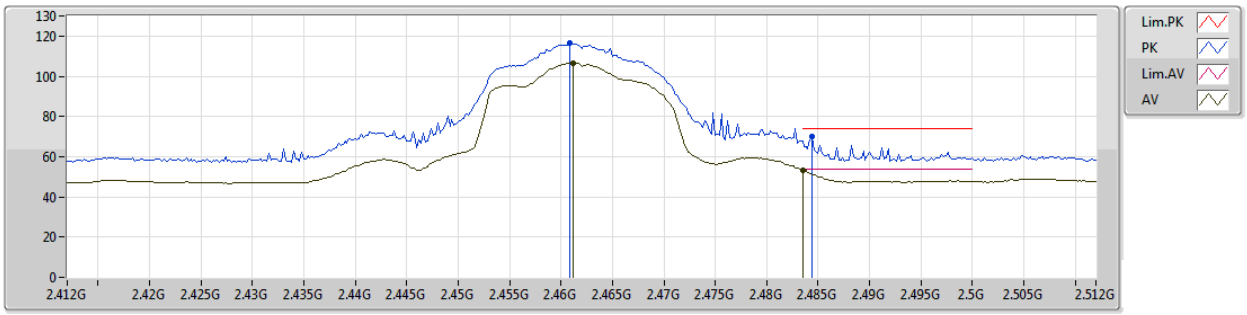
EUT Y_4TX
Setting 15
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.383G	57.19	74.00	-16.81	33.16	3	Horizontal	213	1.49	-
AV	2.387G	45.23	54.00	-8.77	33.16	3	Horizontal	213	1.49	-
PK	2.455G	105.39	Inf	-Inf	33.18	3	Horizontal	213	1.49	-
AV	2.455G	95.27	Inf	-Inf	33.18	3	Horizontal	213	1.49	-
PK	2.4926G	59.21	74.00	-14.79	33.19	3	Horizontal	213	1.49	-
AV	2.4914G	46.43	54.00	-7.57	33.19	3	Horizontal	213	1.49	-

802.11n HT20_Nss1,(MCS0)_4TX

2462MHz_TX

27/09/2018



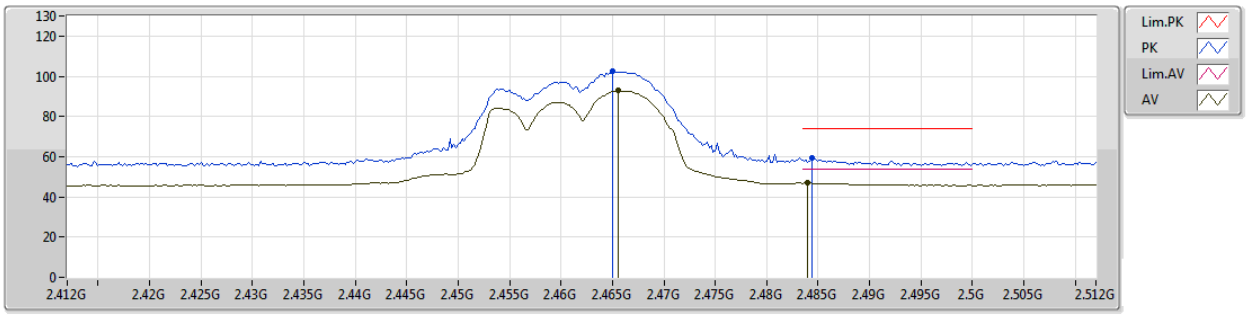
EUT Y_4TX
Setting 11
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4608G	116.60	Inf	-Inf	33.18	3	Vertical	354	1.85	-
AV	2.4612G	106.57	Inf	-Inf	33.18	3	Vertical	354	1.85	-
PK	2.4844G	69.86	74.00	-4.14	33.18	3	Vertical	354	1.85	-
AV	2.4835G	53.45	54.00	-0.55	33.18	3	Vertical	354	1.85	-

802.11n HT20_Nss1,(MCS0)_4TX

2462MHz_TX

27/09/2018



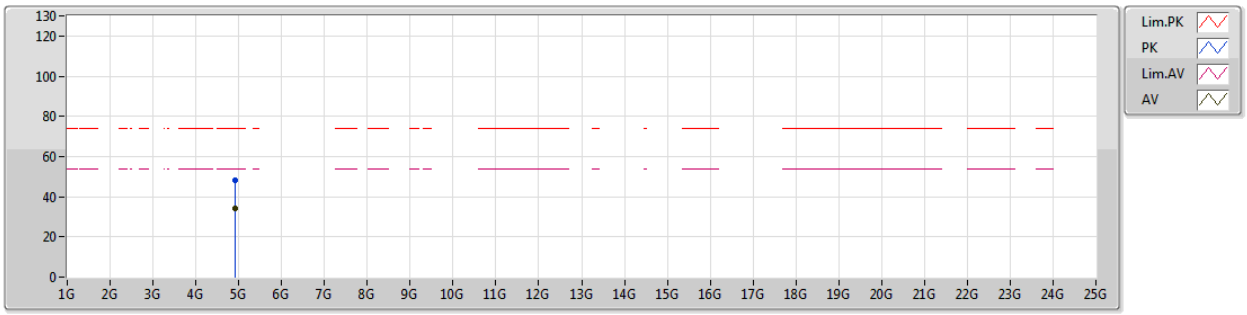
EUT Y_4TX
Setting 11
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.465G	102.54	Inf	-Inf	33.18	3	Horizontal	215	1.50	-
AV	2.4656G	92.84	Inf	-Inf	33.18	3	Horizontal	215	1.50	-
PK	2.4844G	59.29	74.00	-14.71	33.18	3	Horizontal	215	1.50	-
AV	2.484G	46.85	54.00	-7.15	33.18	3	Horizontal	215	1.50	-

802.11n HT20_Nss1,(MCS0)_4TX

2462MHz_TX

28/09/2018



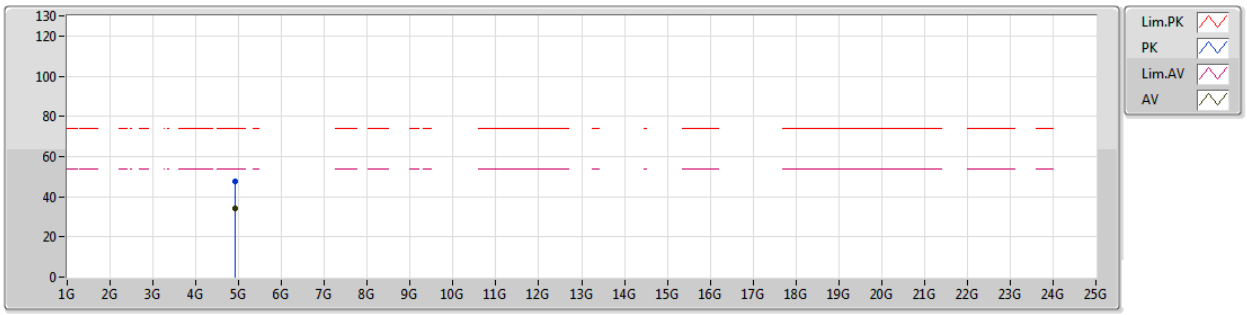
EUT Y_4TX
Setting 11
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92514G	48.11	74.00	-25.89	7.12	3	Vertical	195	1.57	-
AV	4.92366G	34.17	54.00	-19.83	7.10	3	Vertical	195	1.57	-

802.11n HT20_Nss1,(MCS0)_4TX

2462MHz_TX

28/09/2018



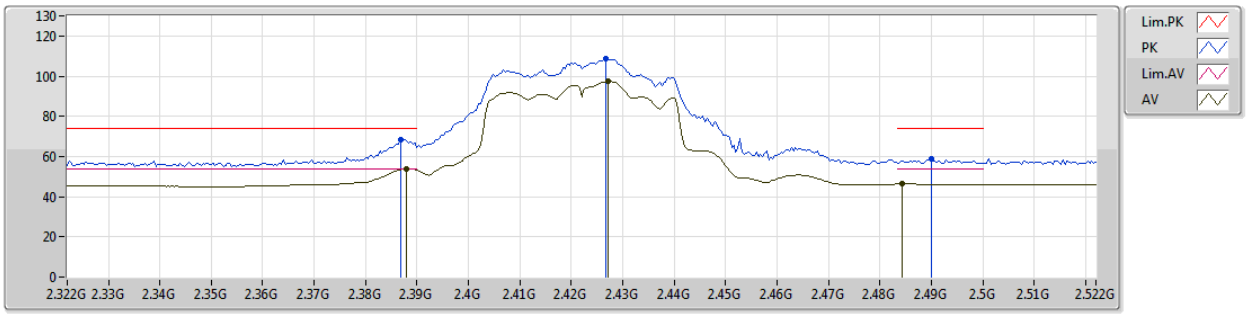
EUT Y_4TX
Setting 11
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92625G	47.36	74.00	-26.64	7.12	3	Horizontal	93	1.44	-
AV	4.92195G	34.26	54.00	-19.74	7.10	3	Horizontal	93	1.44	-

802.11n HT40_Nss1,(MCS0)_4TX

2422MHz_TX

27/09/2018



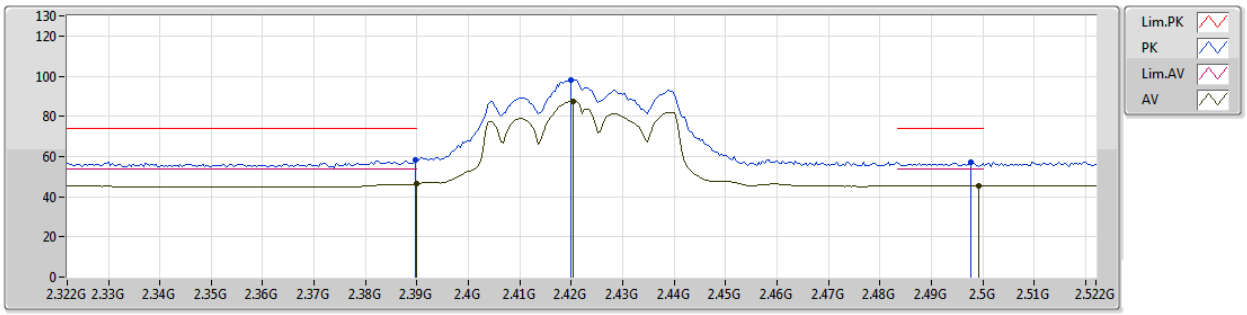
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3868G	68.48	74.00	-5.52	33.16	3	Vertical	175	1.84	-
AV	2.388G	53.87	54.00	-0.13	33.16	3	Vertical	175	1.84	-
PK	2.4268G	108.45	Inf	-Inf	33.18	3	Vertical	175	1.84	-
AV	2.4272G	97.40	Inf	-Inf	33.18	3	Vertical	175	1.84	-
PK	2.49G	58.69	74.00	-15.31	33.18	3	Vertical	175	1.84	-
AV	2.4844G	46.30	54.00	-7.70	33.18	3	Vertical	175	1.84	-

802.11n HT40_Nss1,(MCS0)_4TX

2422MHz_TX

27/09/2018



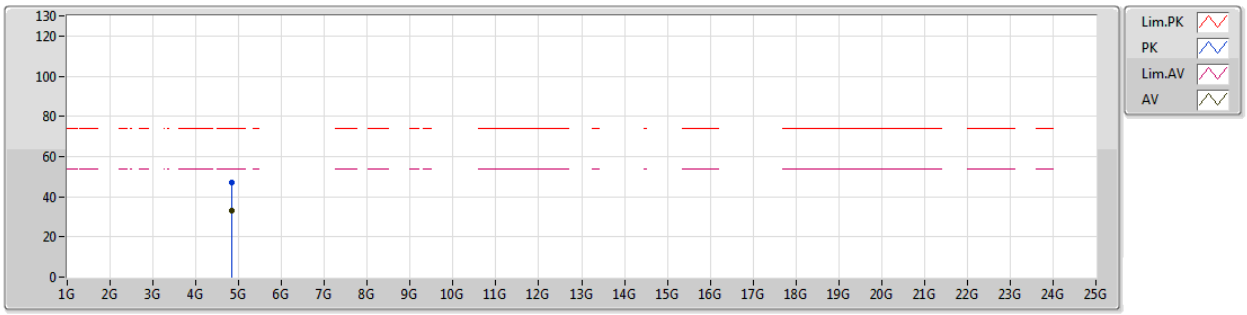
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3896G	58.40	74.00	-15.60	33.17	3	Horizontal	16	2.32	-
AV	2.39G	46.37	54.00	-7.63	33.17	3	Horizontal	16	2.32	-
PK	2.42G	98.29	Inf	-Inf	33.17	3	Horizontal	16	2.32	-
AV	2.4204G	87.62	Inf	-Inf	33.17	3	Horizontal	16	2.32	-
PK	2.4976G	56.96	74.00	-17.04	33.19	3	Horizontal	16	2.32	-
AV	2.4992G	45.26	54.00	-8.74	33.19	3	Horizontal	16	2.32	-

802.11n HT40_Nss1,(MCS0)_4TX

2422MHz_TX

28/09/2018



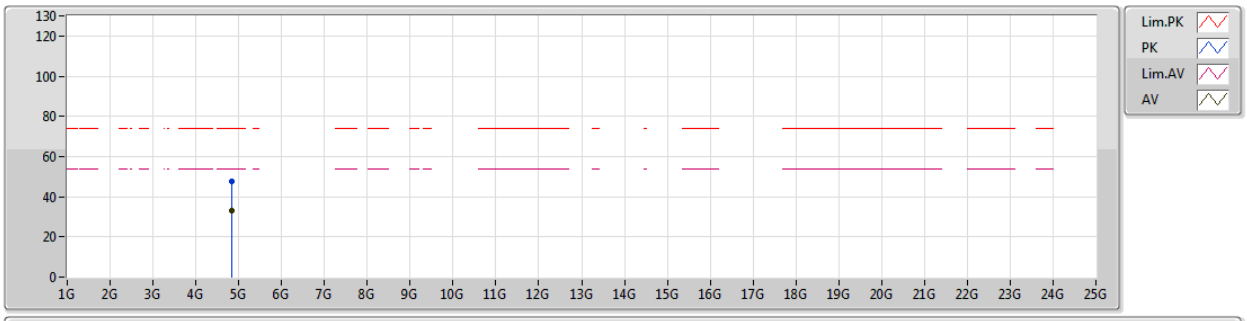
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84406G	47.13	74.00	-26.87	6.91	3	Vertical	215	1.67	-
AV	4.84621G	33.02	54.00	-20.98	6.92	3	Vertical	215	1.67	-

802.11n HT40_Nss1,(MCS0)_4TX

2422MHz_TX

28/09/2018



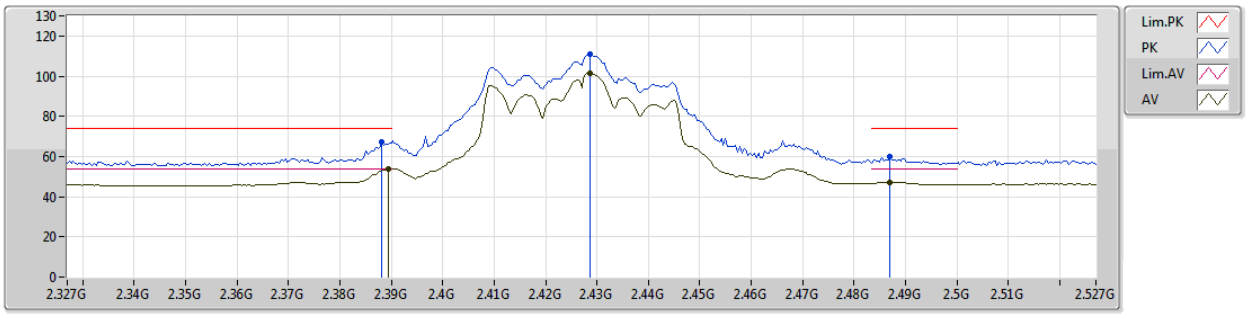
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84335G	47.54	74.00	-26.46	6.91	3	Horizontal	110	1.74	-
AV	4.84647G	32.98	54.00	-21.02	6.92	3	Horizontal	110	1.74	-

802.11n HT40_Nss1,(MCS0)_4TX

2427MHz_TX

28/09/2018



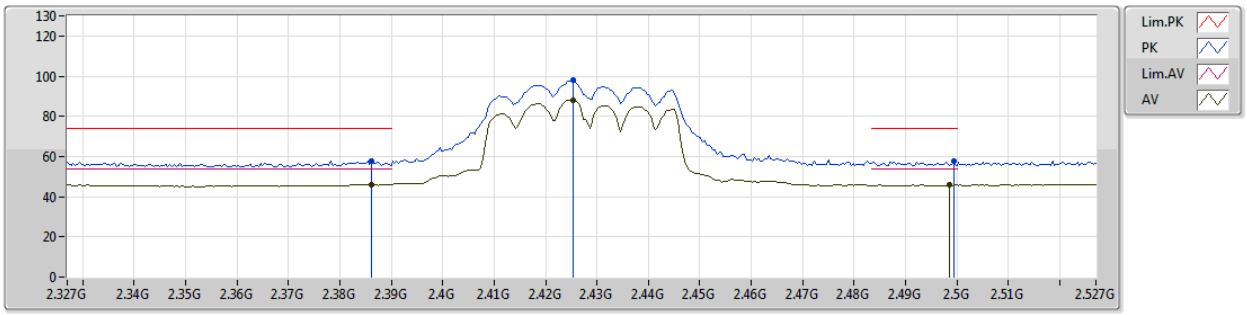
EUT Y_4TX
Setting 10
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	67.16	74.00	-6.84	33.17	3	Vertical	136	1.50	-
AV	2.3894G	53.81	54.00	-0.19	33.17	3	Vertical	136	1.50	-
PK	2.4286G	110.86	Inf	-Inf	33.18	3	Vertical	136	1.50	-
AV	2.4286G	101.35	Inf	-Inf	33.18	3	Vertical	136	1.50	-
PK	2.487G	59.76	74.00	-14.24	33.19	3	Vertical	136	1.50	-
AV	2.487G	47.21	54.00	-6.79	33.19	3	Vertical	136	1.50	-

802.11n HT40_Nss1,(MCS0)_4TX

2427MHz_TX

28/09/2018



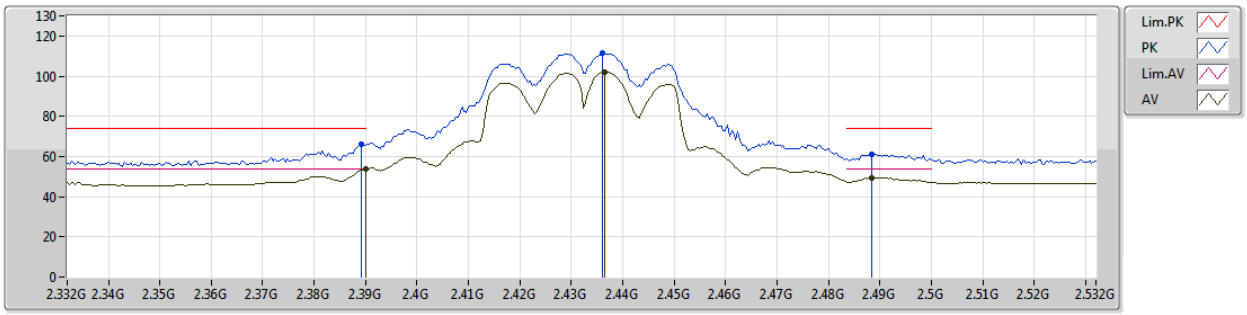
EUT Y_4TX
Setting 10
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3862G	57.58	74.00	-16.42	33.16	3	Horizontal	214	1.62	-
AV	2.3862G	46.08	54.00	-7.92	33.16	3	Horizontal	214	1.62	-
PK	2.4254G	97.80	Inf	-Inf	33.17	3	Horizontal	214	1.62	-
AV	2.4254G	88.10	Inf	-Inf	33.17	3	Horizontal	214	1.62	-
PK	2.4994G	57.80	74.00	-16.20	33.19	3	Horizontal	214	1.62	-
AV	2.4986G	45.86	54.00	-8.14	33.19	3	Horizontal	214	1.62	-

802.11n HT40_Nss1,(MCS0)_4TX

2432MHz_TX

28/09/2018



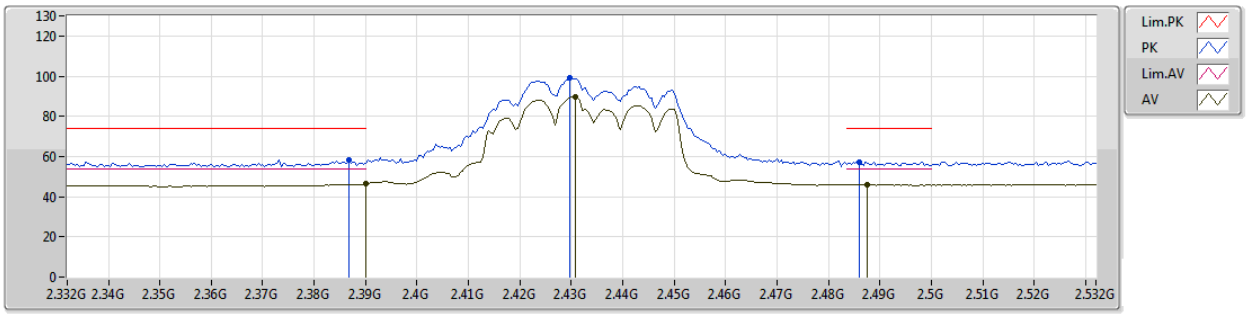
EUT Y_4TX
Setting 12
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	66.37	74.00	-7.63	33.17	3	Vertical	180	1.47	-
AV	2.39G	53.74	54.00	-0.26	33.17	3	Vertical	180	1.47	-
PK	2.436G	111.59	Inf	-Inf	33.18	3	Vertical	180	1.47	-
AV	2.4364G	101.80	Inf	-Inf	33.18	3	Vertical	180	1.47	-
PK	2.4884G	61.03	74.00	-12.97	33.19	3	Vertical	180	1.47	-
AV	2.4884G	49.38	54.00	-4.62	33.19	3	Vertical	180	1.47	-

802.11n HT40_Nss1,(MCS0)_4TX

2432MHz_TX

28/09/2018



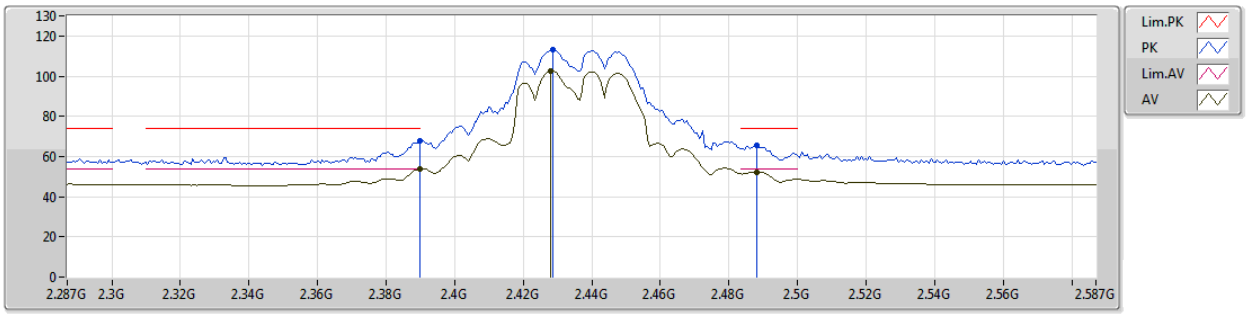
EUT Y_4TX
Setting 12
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3868G	58.19	74.00	-15.81	33.16	3	Horizontal	210	2.39	-
AV	2.39G	46.27	54.00	-7.73	33.17	3	Horizontal	210	2.39	-
PK	2.4296G	99.04	Inf	-Inf	33.18	3	Horizontal	210	2.39	-
AV	2.4308G	89.68	Inf	-Inf	33.17	3	Horizontal	210	2.39	-
PK	2.486G	57.36	74.00	-16.64	33.19	3	Horizontal	210	2.39	-
AV	2.4876G	46.00	54.00	-8.00	33.19	3	Horizontal	210	2.39	-

802.11n HT40_Nss1,(MCS0)_4TX

2437MHz_TX

27/09/2018



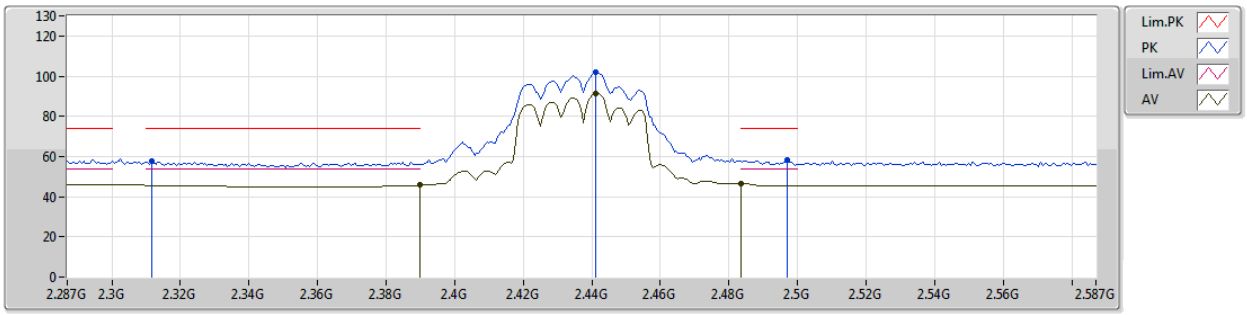
EUT Y_4TX
Setting 14
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	67.89	74.00	-6.11	33.17	3	Vertical	10	1.69	-
AV	2.39G	53.88	54.00	-0.12	33.17	3	Vertical	10	1.69	-
PK	2.4286G	113.42	Inf	-Inf	33.18	3	Vertical	10	1.69	-
AV	2.428G	102.48	Inf	-Inf	33.18	3	Vertical	10	1.69	-
PK	2.488G	65.70	74.00	-8.30	33.19	3	Vertical	10	1.69	-
AV	2.488G	52.27	54.00	-1.73	33.19	3	Vertical	10	1.69	-

802.11n HT40_Nss1,(MCS0)_4TX

2437MHz_TX

27/09/2018



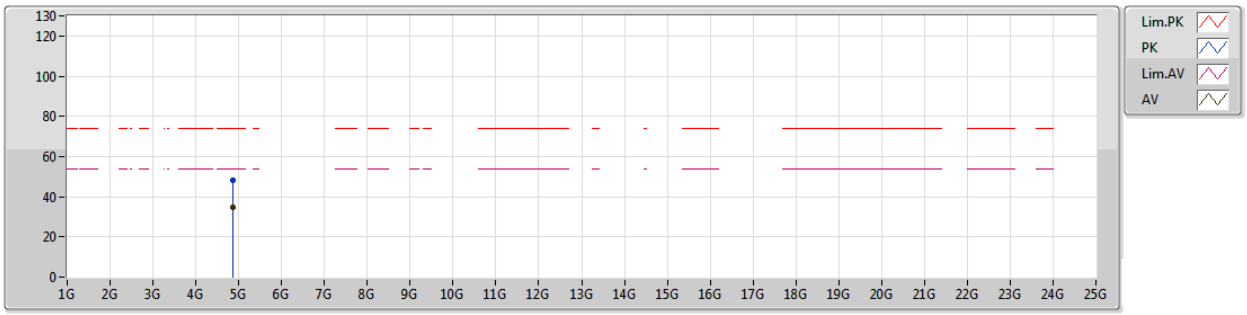
EUT Y_4TX
Setting 14
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3116G	57.50	74.00	-16.50	33.11	3	Horizontal	216	1.65	-
AV	2.39G	45.71	54.00	-8.29	33.17	3	Horizontal	216	1.65	-
PK	2.4412G	101.92	Inf	-Inf	33.18	3	Horizontal	216	1.65	-
AV	2.4412G	91.39	Inf	-Inf	33.18	3	Horizontal	216	1.65	-
PK	2.497G	58.27	74.00	-15.73	33.18	3	Horizontal	216	1.65	-
AV	2.4835G	46.38	54.00	-7.62	33.18	3	Horizontal	216	1.65	-

802.11n HT40_Nss1,(MCS0)_4TX

2437MHz_TX

28/09/2018



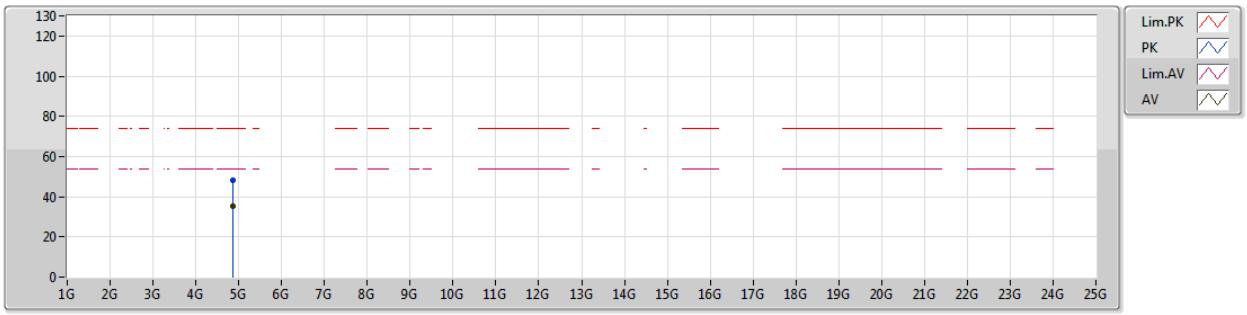
EUT Y_4TX
Setting 14
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87488G	48.09	74.00	-25.91	6.98	3	Vertical	179	1.62	-
AV	4.87605G	34.60	54.00	-19.40	6.99	3	Vertical	179	1.62	-

802.11n HT40_Nss1,(MCS0)_4TX

2437MHz_TX

28/09/2018



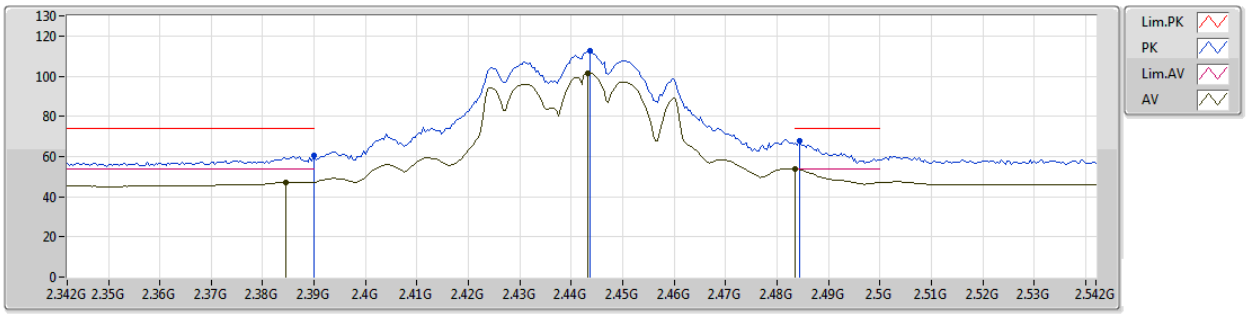
EUT Y_4TX
Setting 14
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8723G	48.45	74.00	-25.55	6.98	3	Horizontal	268	1.30	-
AV	4.87238G	35.50	54.00	-18.50	6.98	3	Horizontal	268	1.30	-

802.11n HT40_Nss1,(MCS0)_4TX

2442MHz_TX

28/09/2018



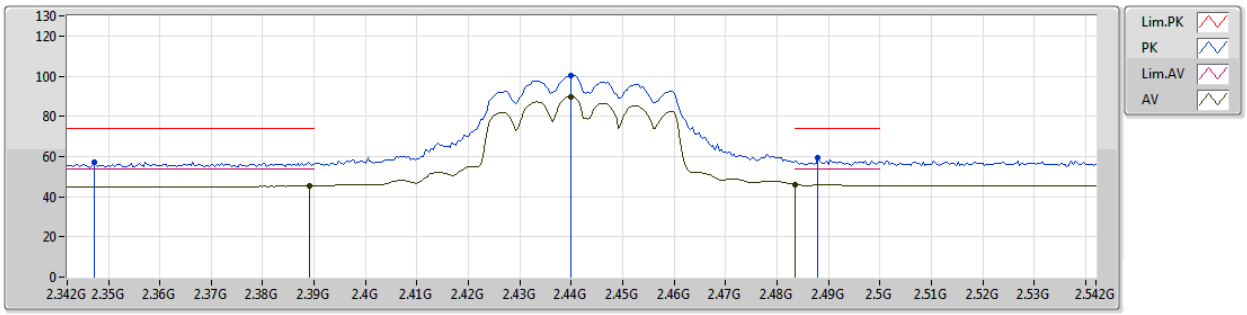
EUT Y_4TX
Setting 12
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	60.73	74.00	-13.27	33.17	3	Vertical	33	1.48	-
AV	2.3844G	47.25	54.00	-6.75	33.16	3	Vertical	33	1.48	-
PK	2.4436G	112.35	Inf	-Inf	33.17	3	Vertical	33	1.48	-
AV	2.4432G	101.58	Inf	-Inf	33.18	3	Vertical	33	1.48	-
PK	2.4844G	67.88	74.00	-6.12	33.18	3	Vertical	33	1.48	-
AV	2.4835G	53.81	54.00	-0.19	33.18	3	Vertical	33	1.48	-

802.11n HT40_Nss1,(MCS0)_4TX

2442MHz_TX

28/09/2018



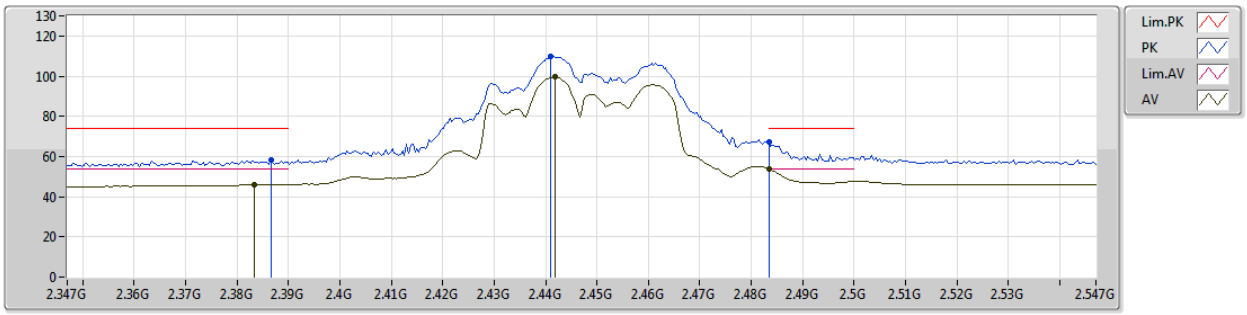
EUT Y_4TX
Setting 12
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3472G	57.39	74.00	-16.61	33.14	3	Horizontal	215	1.67	-
AV	2.3892G	45.35	54.00	-8.65	33.17	3	Horizontal	215	1.67	-
PK	2.44G	100.16	Inf	-Inf	33.18	3	Horizontal	215	1.67	-
AV	2.44G	89.68	Inf	-Inf	33.18	3	Horizontal	215	1.67	-
PK	2.488G	59.36	74.00	-14.64	33.19	3	Horizontal	215	1.67	-
AV	2.4835G	45.99	54.00	-8.01	33.18	3	Horizontal	215	1.67	-

802.11n HT40_Nss1,(MCS0)_4TX

2447MHz_TX

28/09/2018



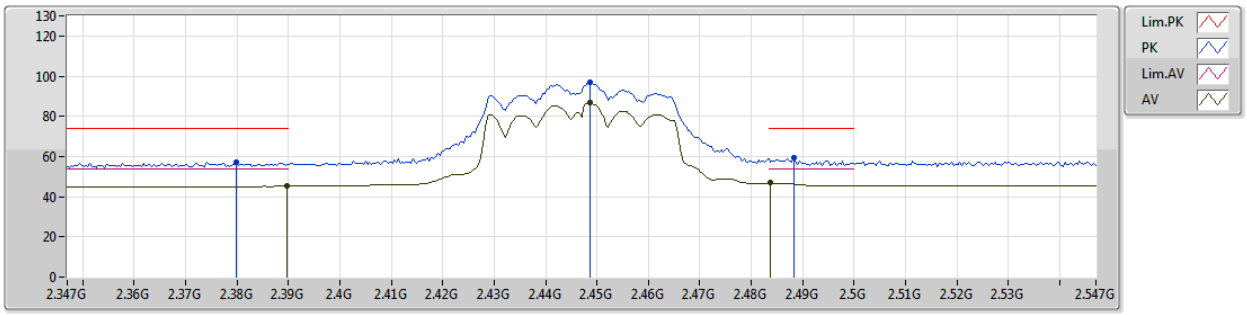
EUT Y_4TX
Setting 10
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3866G	58.15	74.00	-15.85	33.16	3	Vertical	257	1.64	-
AV	2.3834G	46.00	54.00	-8.00	33.16	3	Vertical	257	1.64	-
PK	2.441G	109.61	Inf	-Inf	33.18	3	Vertical	257	1.64	-
AV	2.4418G	99.53	Inf	-Inf	33.18	3	Vertical	257	1.64	-
PK	2.4835G	67.34	74.00	-6.66	33.18	3	Vertical	257	1.64	-
AV	2.4835G	53.75	54.00	-0.25	33.18	3	Vertical	257	1.64	-

802.11n HT40_Nss1,(MCS0)_4TX

2447MHz_TX

28/09/2018



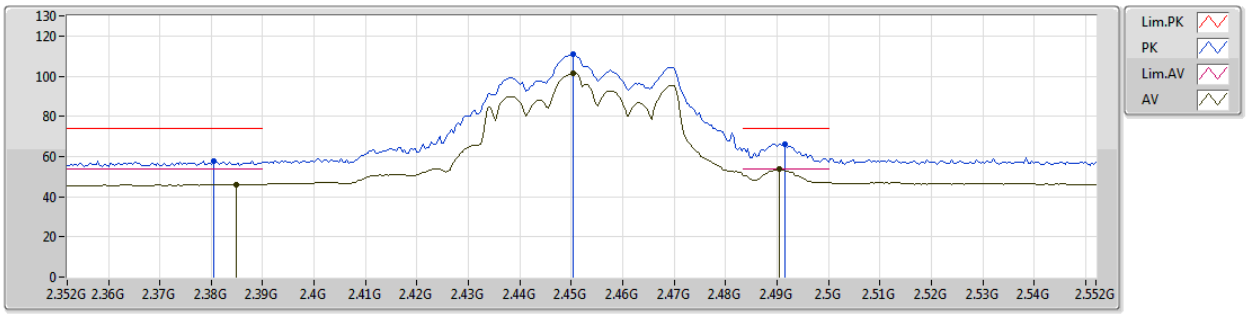
EUT Y_4TX
Setting 10
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3798G	57.10	74.00	-16.90	33.16	3	Horizontal	212	1.50	-
AV	2.3898G	45.21	54.00	-8.79	33.17	3	Horizontal	212	1.50	-
PK	2.4486G	96.96	Inf	-Inf	33.18	3	Horizontal	212	1.50	-
AV	2.4486G	86.65	Inf	-Inf	33.18	3	Horizontal	212	1.50	-
PK	2.4882G	59.12	74.00	-14.88	33.19	3	Horizontal	212	1.50	-
AV	2.4838G	46.79	54.00	-7.21	33.18	3	Horizontal	212	1.50	-

802.11n HT40_Nss1,(MCS0)_4TX

2452MHz_TX

28/09/2018



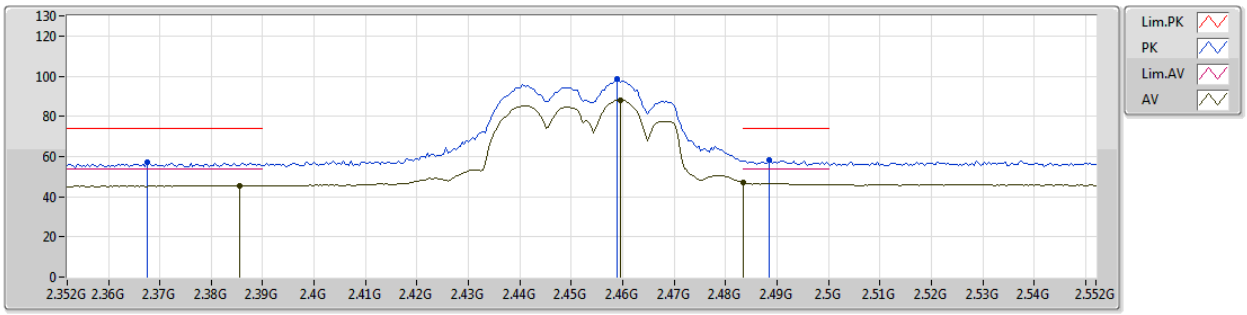
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3804G	57.85	74.00	-16.15	33.16	3	Vertical	15	1.28	-
AV	2.3848G	46.16	54.00	-7.84	33.16	3	Vertical	15	1.28	-
PK	2.4504G	110.91	Inf	-Inf	33.18	3	Vertical	15	1.28	-
AV	2.4504G	101.23	Inf	-Inf	33.18	3	Vertical	15	1.28	-
PK	2.4916G	66.25	74.00	-7.75	33.19	3	Vertical	15	1.28	-
AV	2.4904G	53.56	54.00	-0.44	33.18	3	Vertical	15	1.28	-

802.11n HT40_Nss1,(MCS0)_4TX

2452MHz_TX

28/09/2018



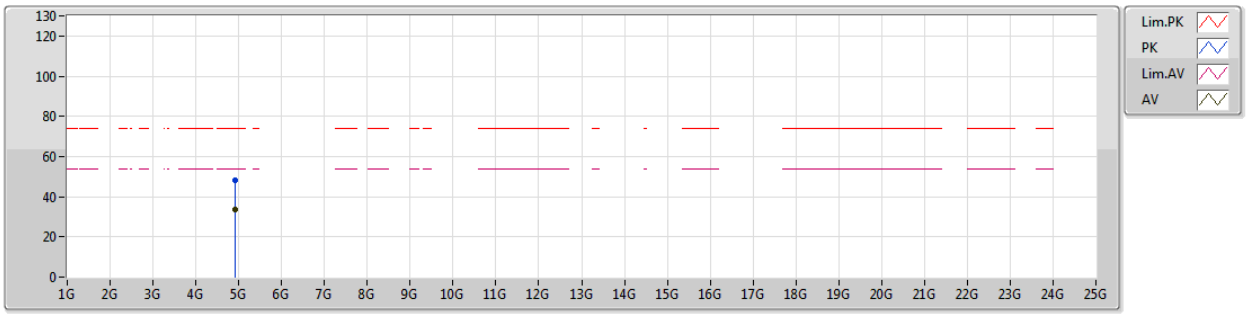
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3676G	56.90	74.00	-17.10	33.15	3	Horizontal	12	2.54	-
AV	2.3856G	45.47	54.00	-8.53	33.16	3	Horizontal	12	2.54	-
PK	2.4588G	98.77	Inf	-Inf	33.18	3	Horizontal	12	2.54	-
AV	2.4596G	88.07	Inf	-Inf	33.18	3	Horizontal	12	2.54	-
PK	2.4884G	58.23	74.00	-15.77	33.19	3	Horizontal	12	2.54	-
AV	2.4835G	46.91	54.00	-7.09	33.18	3	Horizontal	12	2.54	-

802.11n HT40_Nss1,(MCS0)_4TX

2452MHz_TX

28/09/2018



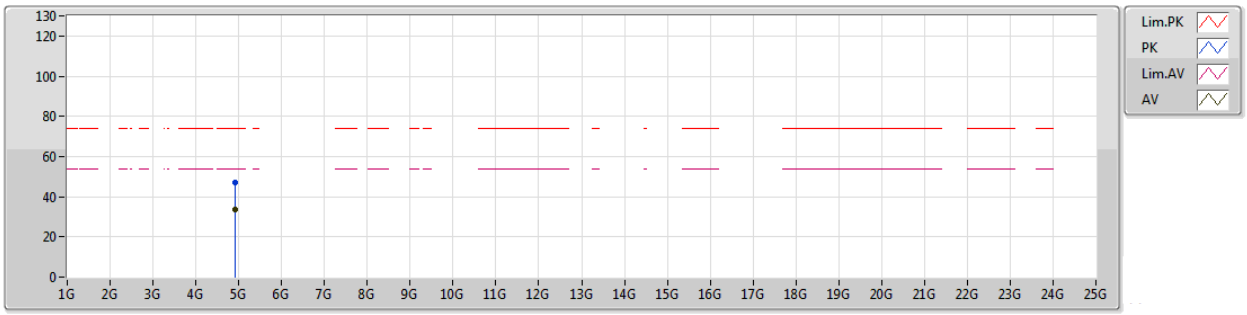
EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90567G	47.97	74.00	-26.03	7.06	3	Vertical	206	1.51	-
AV	4.90556G	33.68	54.00	-20.32	7.06	3	Vertical	206	1.51	-

802.11n HT40_Nss1,(MCS0)_4TX

2452MHz_TX

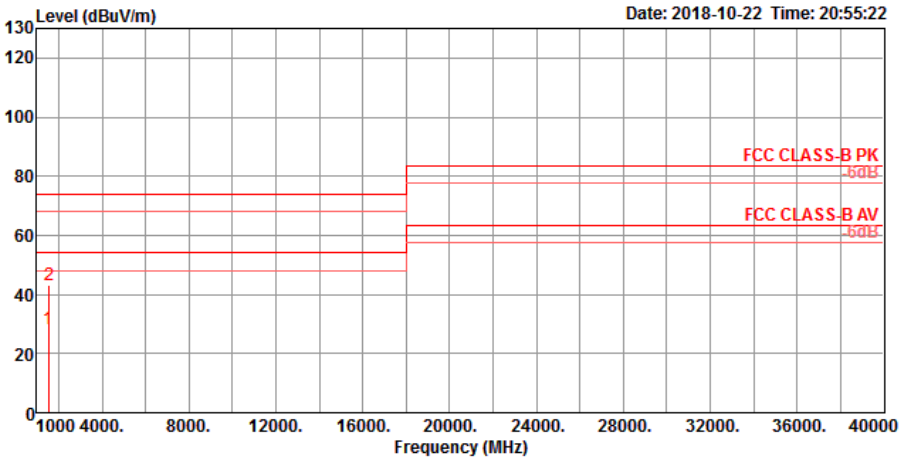
28/09/2018



EUT Y_4TX
Setting 9
04-M-1
FSP(100142)

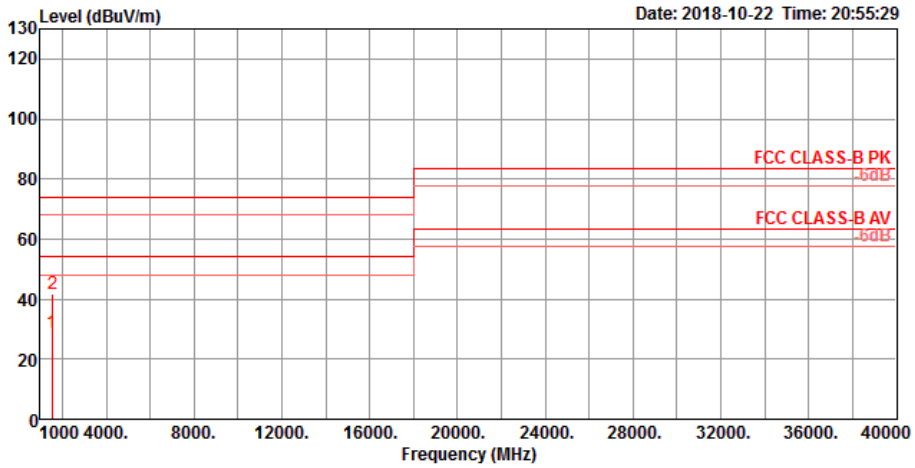
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90493G	47.09	74.00	-26.91	7.06	3	Horizontal	296	1.10	-
AV	4.90556G	33.81	54.00	-20.19	7.06	3	Horizontal	296	1.10	-

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	1548.60	28.10	54.00	-25.90	33.71	3.63	25.33	34.57	102	155	Average	HORIZONTAL
2	1550.42	43.00	74.00	-31.00	48.60	3.64	25.33	34.57	102	155	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	1548.33	28.58	54.00	-25.42	34.19	3.63	25.33	34.57	100	215	Average	VERTICAL
2	1549.22	41.64	74.00	-32.36	47.25	3.63	25.33	34.57	100	215	Peak	VERTICAL