FCC RADIO TEST REPORT

FCC ID	:	HEDML60LW
Equipment	:	Metrolinq 60G dual band dual radio wireless bridge
Brand Name	:	Ignitenet
Model Name	:	ML-60-LW-DO,ML-5-LW,ML-60-LW
Applicant	:	Accton Technology Corp No. 1, Creation Rd. III, Science-based Industrial Park Hsin Chu 30077, Taiwan
Manufacturer (1)	:	Joy Technology (Shen Zhen) Co. Ltd HengKeng Ind., Shangpai, Shangwu, Aiqun Rd., Shiyan Town, Shenzhen 518108 China
Manufacturer (2)	:	Accton Technology Corp No. 1, Creation Rd. III, Science-based Industrial Park Hsin Chu 30077, Taiwan
Standard	:	47 CFR FCC Part 15.407

The product was received on Jan. 09, 2018, and testing was started from Apr. 17, 2018 and completed on May 05, 2018. We, SPORTON INTERTIONAL 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 variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERTIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

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History of this test report

Report No.	Version	Description	Issued Date
FR7D2234-03AB	01	Initial issue of report	May 07, 2048

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	15.407(b)	Unwanted Emissions	PASS	-

Reviewed by: Sam Chen

Report Producer: Viola 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
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

Note 1:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM 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.

Note 2: This device contains transmitter 60GHz module FCC ID: HEDML60PRS4601

1.1.2 Antenna Information

For WLAN 2.4GHz and WLAN 5GHz:
For Model Name: ML-5-LW, ML-60-LW

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Remark
1	1	Accton	120G00000186X	Dipole Antenna	MMCX	7	2.4GHz
	2						
2	1	Accton	120G00000181X	Sector Antenna	MMCX	15	5GHz
	2						

For Model Name: ML-60-LW-DO

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Remark
1	1	Accton	120G00000192X	Dipole Antenna	MMCX	5.23	2.4GHz
	2					6.15	2.4GHz
	1					8.11	5GHz
2	2	Accton	120G00000191X	Dipole Antenna	MMCX	6.39	5GHz

Note:

1. For WLAN 2.4GHz:

   Port 1 and Port 2 could transmit/receive simultaneously.

2. For WLAN 5GHz:

   Port 1 and Port 2 could transmit/receive simultaneously.

For 60GHz:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Accton	120300000225X	Chip Ant.	N/A	17.2

1.1.3 EUT Operational Condition

EUT Power Type	From PoE or DC 48V			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☒	Outdoor P2M	☐	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	QRCT			

1.1.4 Table for Multiple Listing

Model Name	EUT No.	WLAN 2.4GHz Function	WLAN 5GHz Function	60GHz Function
ML-60-LW	EUT 1	V	V	V
		Match antenna “Dipole Antenna, Model Name: 120G00000186X”	Match Antenna “Sector Antenna, Model Name: 120G00000181X”	Match Antenna “Chip Antenna, Model Name: 120300000225X”
ML-5-LW	EUT 2	V	V	X
		Match Antenna “Dipole Antenna, Model Name: 120G00000186X”	Match Antenna “Sector Antenna, Model Name: 120G00000181X”	-
ML-60-LW-DO	EUT 3	V	V	V
		Match Antenna “Dipole Antenna, Model Name: 120G00000192X”	Match Antenna “Dipole Antenna, Model Name: 120G00000191X” and 120G00000192X”	Match Antenna “Chip Antenna, Model Name: 120300000225X”

From the above models, model: ML-60-LW and ML-60-LW-DO were selected as representative model for the test and its data was recorded in this report.

1.1.5 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR7D2234-01AB

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
For the original model name “ML-60-LW”.	
1. Changing the Equipment Name to "Metrolinq 60G dual band dual radio wireless bridge" from "MetroLinq 60 LW".	For item 1 and item 5 Do not have to retest assessed.
2. Updating the digital board version to R01 from R0B.	For item 2~4
3. Changing a new USB cable.	1.AC Power-line Conducted Emissions
4. Updating EUT Power Type to DC 48V from DC 24V.	2. Unwanted Emissions below 1GHz
Based on the above modification.	For item 6
5. Adding a new model name “ML-5-LW” which without the 60GHz module.	1.AC Power-line Conducted Emissions 2. Unwanted Emissions below 1GHz
6. Adding a new model name “ML-60-LW-DO” which with a new set dipole antenna. The new set antenna has lower gain, same type antennas in 2.4GHz function and lower gain, different type antennas in 5GHz function.	3. Unwanted Emissions above 1GHz (Based on orignal report power)

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 789033 D02 v02r01
- FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location							
☐	HWA YA	ADD	:	No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.			
		TEL	:	886-3-327-3456	FAX	:	886-3-318-0055
☒	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
Radiated	03CH01-CB	Stim Sung & Gino Huang & Justin Lin & Ekko Hsieh	22°C / 54%	Apr. 17, 2018~May 04, 2018
AC Conduction	CO01-CB	Wei Li	24°C / 52%	Apr. 19, 2018~ May 05, 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%

2 Test Configuration of EUT

2.1 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	CTX
1	EUT 3 + WLAN 2.4GHz - AC mode
2	EUT 3 + WLAN 5GHz - AC mode
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT 3 + WLAN 5GHz - DC mode (48V)
4	EUT 1 + WLAN 2.4GHz - AC mode
5	EUT 1 + WLAN 5GHz - AC mode
Mode 5 has been evaluated to be the worst case among Mode 4~5, thus measurement for Mode 6 will follow this same test mode.	
6	EUT 1 + WLAN 5GHz - DC mode (48V)
Mode 5 generated the worst test result, so it was recorded in this report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
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	CTX
1	EUT 3 + WLAN 2.4GHz - AC mode
2	EUT 3 + WLAN 5GHz - AC mode
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT 3 + WLAN 5GHz - DC mode (48V)
4	EUT 1 + WLAN 2.4GHz - AC mode
5	EUT 1 + WLAN 5GHz - AC mode
Mode 5 has been evaluated to be the worst case among Mode 4~5, thus measurement for Mode 6 will follow this same test mode.	
6	EUT 1 + WLAN 5GHz - DC mode (48V)
Mode 2 generated the worst test result, so it was recorded in this report.	
Operating Mode > 1GHz	CTX
1	EUT 3 + WLAN 5GHz

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+60GHz
Refer to Sporton Test Report No.: FA7D2234-03 for Co-location RF Exposure Evaluation.	

Note: 1. The EUT can only be used at Y axis position.
2. The PoE is for measurement only, would not be marketed, and its information as below:

Equipment	Brand Name	Model Name	FCC ID
PoE	CARRIER	GME241DA-240100G	N/A

2.2 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.3 Accessories

N/A

2.4 Support Equipment

For Test Site No: CO01-CB

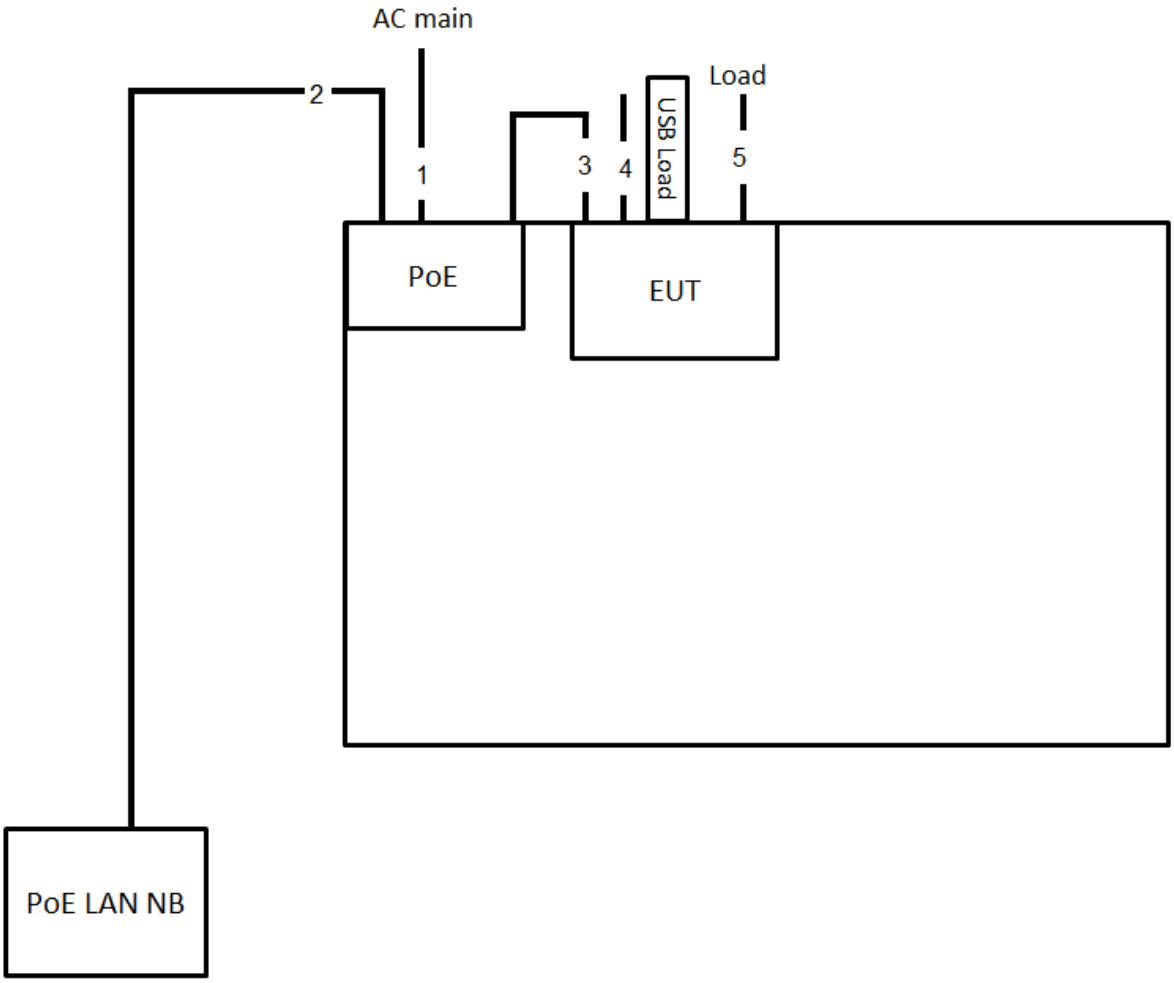
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E6430	DoC
2	Flash disk	Kingston	DTSE9H	N/A
3	PoE	CARRIER	GME241DA-240100G	N/A

For Test Site No: 03CH01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E4300	DoC
2	PoE	CARRIER	GME241DA-240100G	N/A

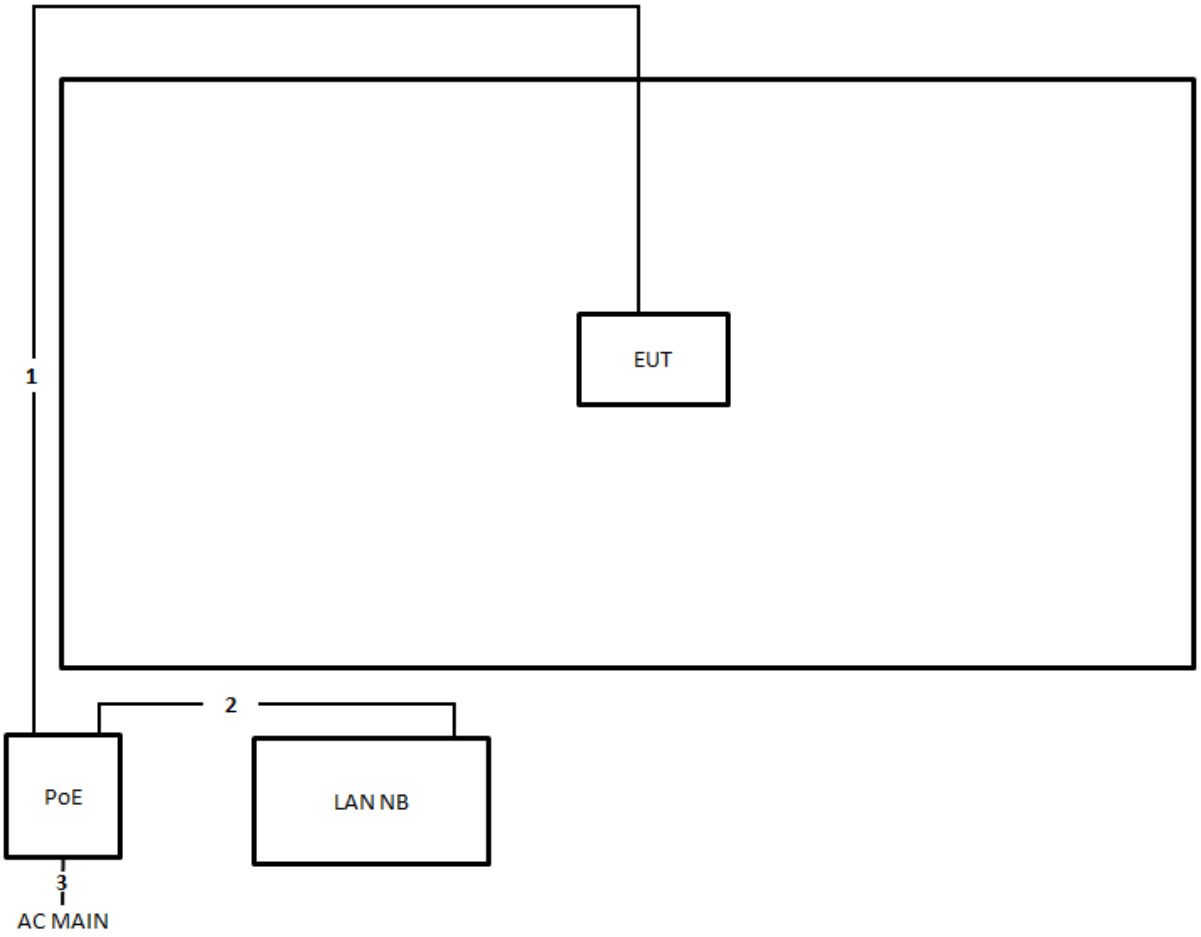
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	0.9m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	Ground cable	No	1.5m
5	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10 m
2	RJ-45 cable	No	1.5 m
3	Power cable	No	0.9 m

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

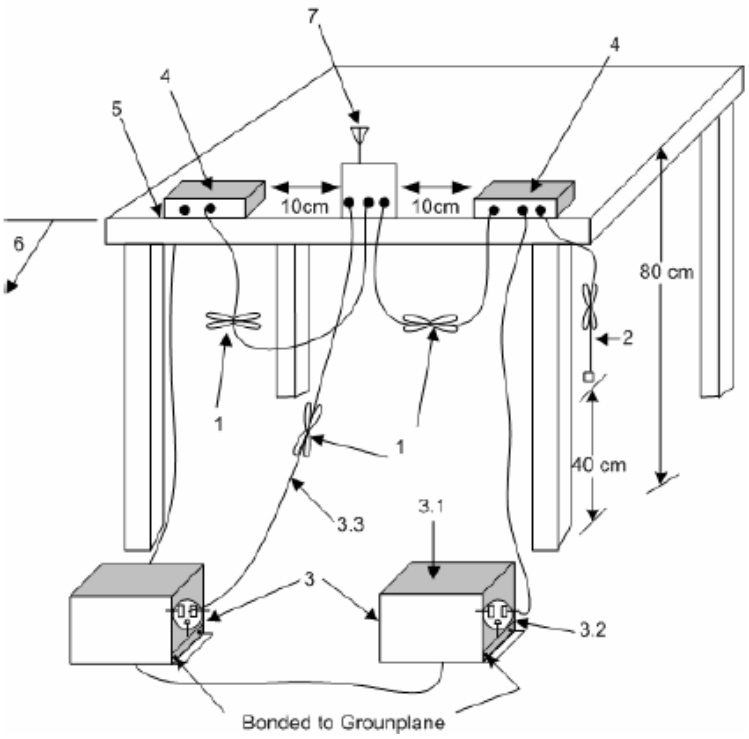
Refer a test equipment and calibration data table in this test report.

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 Unwanted Emissions

3.2.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note 1: 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).

3.2.2 Measuring Instruments

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

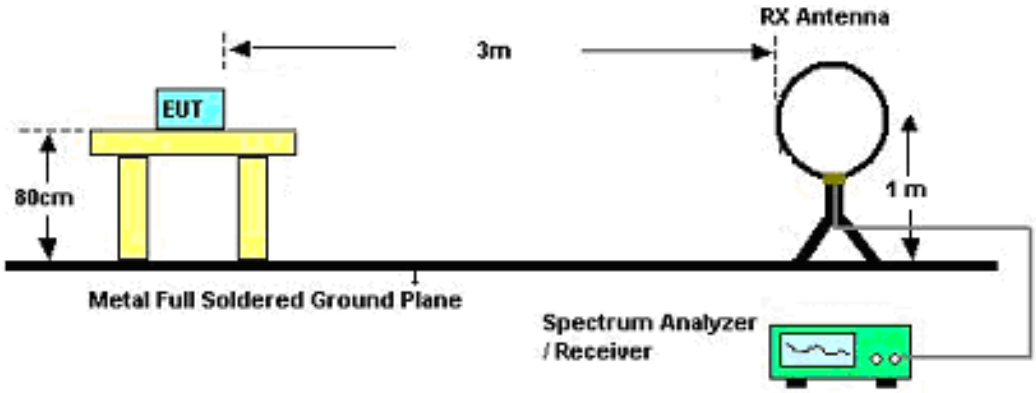
3.2.3 Test Procedures

Test Method		
▪ 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. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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).		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.	
	▪ Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW).
		☐ 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 789033, clause H)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
▪ For radiated measurement.		
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
▪ The any unwanted emissions level shall not exceed the fundamental emission level.		
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.		

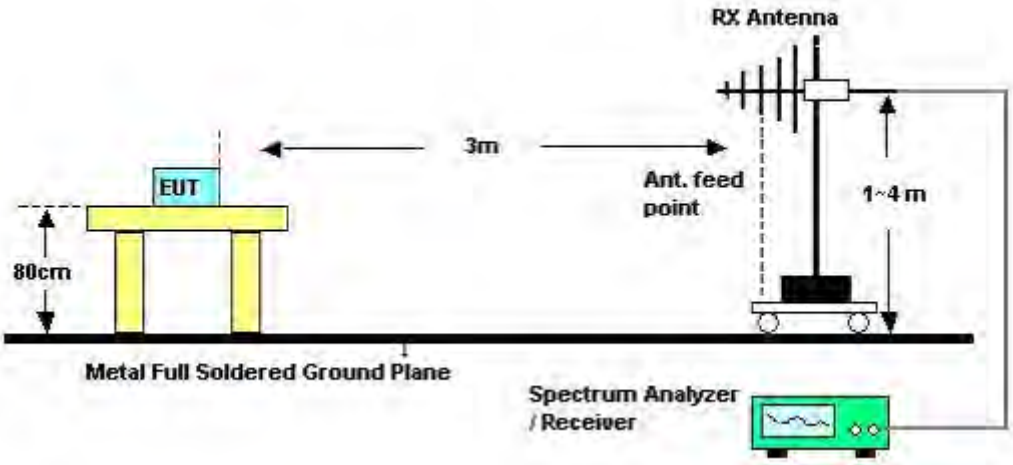
3.2.4 Test Setup

Transmitter Radiated Unwanted Emissions

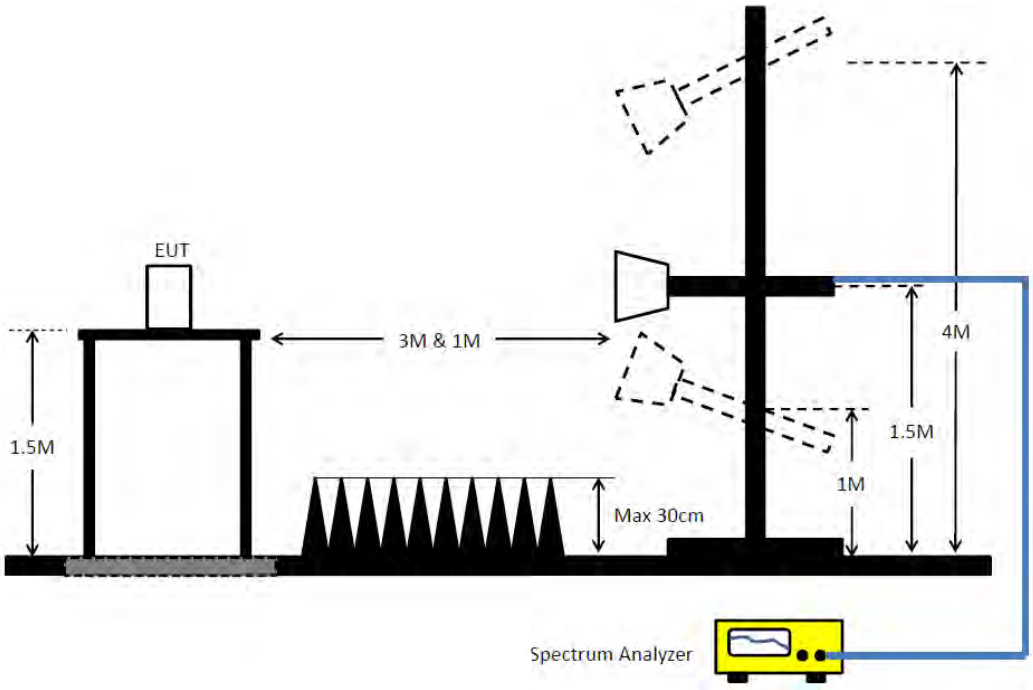
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.2.5 Transmitter 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.

3.2.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix B

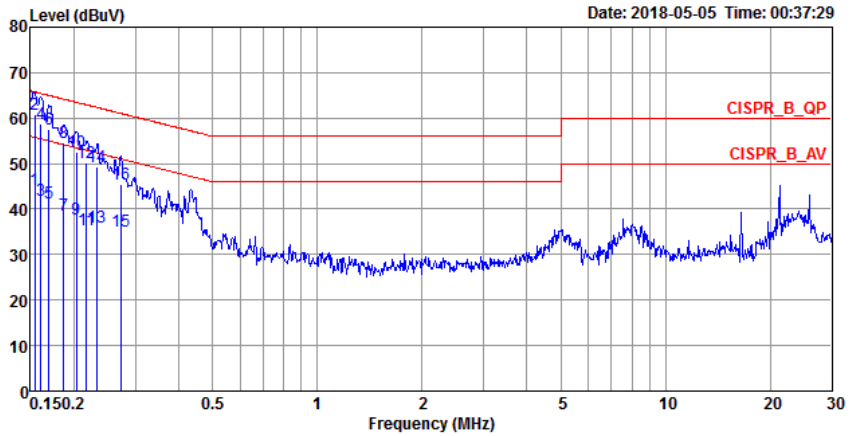
4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 31, 2018	Jan. 30, 2019	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz~100MHz	Dec. 20, 2017	Dec. 19, 2018	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 29, 2017	Dec. 28, 2018	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	May 22, 2018	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Log Antenna	Schwarzbeck	VUSLP 9111	247	200MHz ~ 1GHz	May 26, 2017	May 25, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 15, 2018	Jan. 14, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	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	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)

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

N.C.R. means Non-Calibration required.

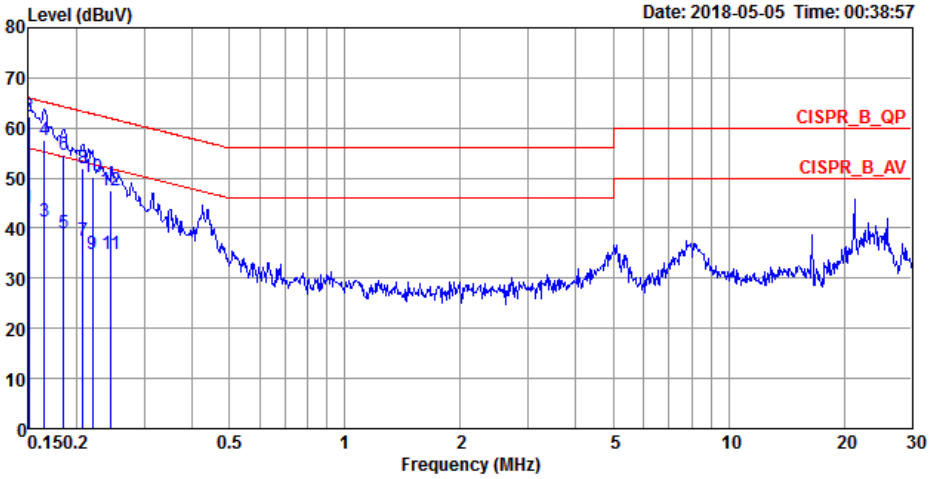
AC Power-line Conducted Emissions Result			
Operating Mode	5	**Power Phase**	Neutral
Operating Function	CTX / EUT 1 + WLAN 5GHz - AC mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1540	44.37	-11.41	55.78	34.29	9.92	0.16	Average	NEUTRAL
2	0.1540	60.94	-4.84	65.78	50.86	9.92	0.16	QP	NEUTRAL
3	0.1607	41.94	-13.49	55.43	31.87	9.92	0.15	Average	NEUTRAL
4	0.1607	58.83	-6.60	65.43	48.76	9.92	0.15	QP	NEUTRAL
5	0.1694	41.38	-13.61	54.99	31.31	9.92	0.15	Average	NEUTRAL
6	0.1694	57.70	-7.29	64.99	47.63	9.92	0.15	QP	NEUTRAL
7	0.1864	38.71	-15.49	54.20	28.65	9.92	0.14	Average	NEUTRAL
8	0.1864	54.67	-9.53	64.20	44.61	9.92	0.14	QP	NEUTRAL
9	0.2029	37.79	-15.70	53.49	27.74	9.92	0.13	Average	NEUTRAL
10	0.2029	52.42	-11.07	63.49	42.37	9.92	0.13	QP	NEUTRAL
11	0.2174	35.43	-17.49	52.92	25.40	9.92	0.11	Average	NEUTRAL
12	0.2174	50.25	-12.67	62.92	40.22	9.92	0.11	QP	NEUTRAL
13	0.2329	35.93	-16.42	52.35	25.91	9.92	0.10	Average	NEUTRAL
14	0.2329	49.27	-13.08	62.35	39.25	9.92	0.10	QP	NEUTRAL
15	0.2730	34.99	-16.04	51.03	24.99	9.92	0.08	Average	NEUTRAL
16	0.2730	45.44	-15.59	61.03	35.44	9.92	0.08	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.)

AC Power-line Conducted Emissions Result			
Operating Mode	5	**Power Phase**	Line
Operating Function	CTX / EUT 1 + WLAN 5GHz - AC mode		

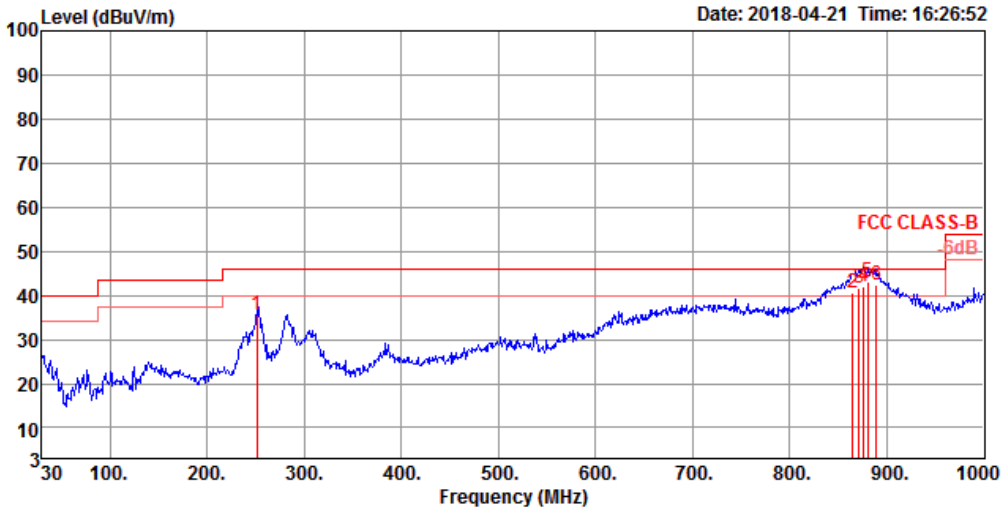


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	44.11	-11.89	56.00	34.04	9.91	0.16	Average	LINE
2	0.1500	62.22	-3.78	66.00	52.15	9.91	0.16	QP	LINE
3	0.1650	41.40	-13.81	55.21	31.34	9.91	0.15	Average	LINE
4	0.1650	57.43	-7.78	65.21	47.37	9.91	0.15	QP	LINE
5	0.1854	38.98	-15.26	54.24	28.93	9.91	0.14	Average	LINE
6	0.1854	54.49	-9.75	64.24	44.44	9.91	0.14	QP	LINE
7	0.2072	37.55	-15.77	53.32	27.52	9.91	0.12	Average	LINE
8	0.2072	51.82	-11.50	63.32	41.79	9.91	0.12	QP	LINE
9	0.2197	34.98	-17.85	52.83	24.96	9.91	0.11	Average	LINE
10	0.2197	50.32	-12.51	62.83	40.30	9.91	0.11	QP	LINE
11	0.2455	34.92	-16.99	51.91	24.92	9.91	0.09	Average	LINE
12	0.2455	47.54	-14.37	61.91	37.54	9.91	0.09	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.)

TEL : 886-3-656-9065
FAX : 886-3-656-9085

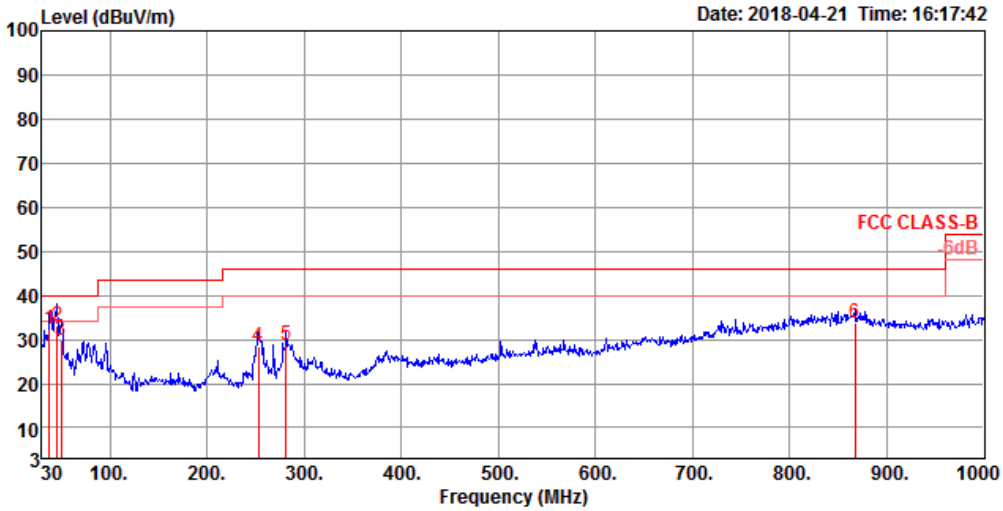
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Horizontal
Operating Function	CTX / EUT 3 + WLAN 5GHz - AC mode		



	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	251.16	35.69	46.00	-10.31	46.60	2.38	18.99	32.28	100	3	QP	HORIZONTAL
2	865.17	40.68	46.00	-5.32	41.89	3.16	27.42	31.79	150	4	QP	HORIZONTAL
3	870.99	41.74	46.00	-4.26	42.56	3.45	27.48	31.75	150	7	QP	HORIZONTAL
4	875.84	42.06	46.00	-3.94	42.67	3.60	27.50	31.71	150	3	QP	HORIZONTAL
5	880.69	42.95	46.00	-3.05	43.22	3.89	27.55	31.71	150	26	QP	HORIZONTAL
6	889.42	42.22	46.00	-3.78	41.94	4.33	27.62	31.67	150	31	QP	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.)

RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	CTX / EUT 3 + WLAN 5GHz - AC mode		



	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	37.76	32.27	40.00	-7.73	42.53	1.10	21.06	32.42	100	1	QP	VERTICAL
2	45.52	33.07	40.00	-6.93	47.32	1.39	16.78	32.42	100	310	QP	VERTICAL
3	49.40	29.98	40.00	-10.02	45.88	1.43	15.09	32.42	125	358	QP	VERTICAL
4	253.10	28.56	46.00	-17.44	39.28	2.39	19.17	32.28	200	1	QP	VERTICAL
5	281.23	28.61	46.00	-17.39	38.92	2.54	19.42	32.27	300	280	QP	VERTICAL
6	867.11	33.80	46.00	-12.20	34.97	3.16	27.42	31.75	300	294	QP	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.)

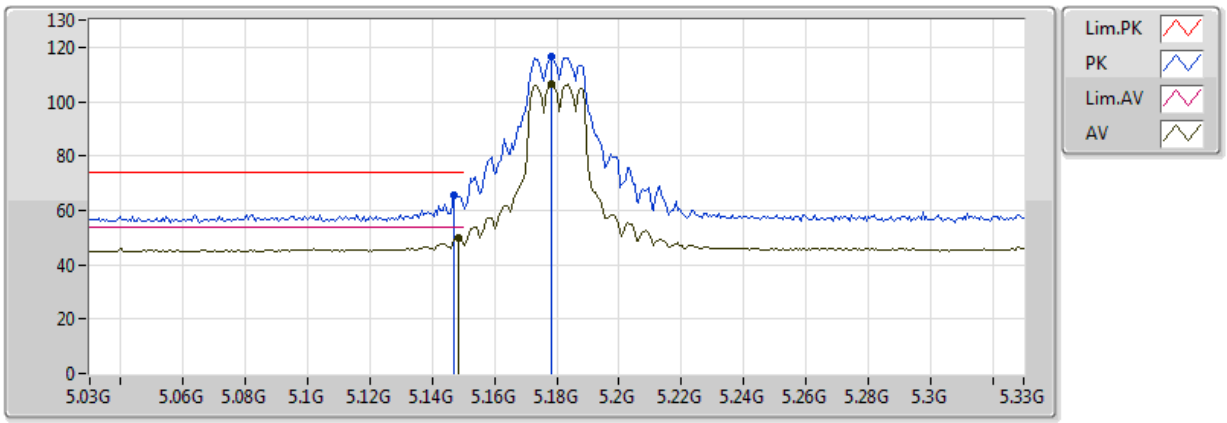
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	17.25936G	68.19	68.20	-0.01	20.17	3	Horizontal	44	2.91	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

17/04/2018



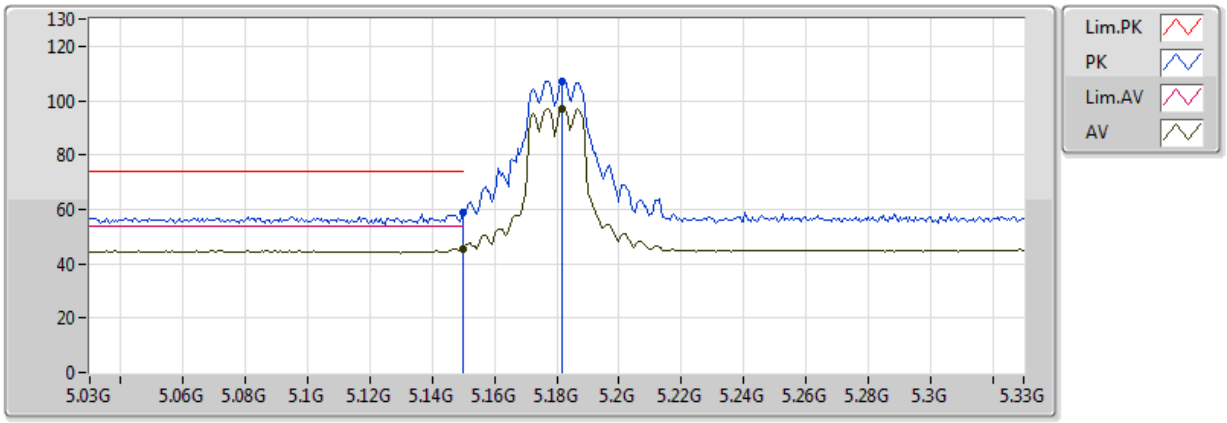
EUT Y_2TX
Setting 19.5
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.147G	65.57	74.00	-8.43	4.90	3	Vertical	308	1.17	-
AV	5.1482G	50.01	54.00	-3.99	4.90	3	Vertical	308	1.17	-
PK	5.1782G	116.45	Inf	-Inf	4.93	3	Vertical	308	1.17	-
AV	5.1782G	106.51	Inf	-Inf	4.93	3	Vertical	308	1.17	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

17/04/2018



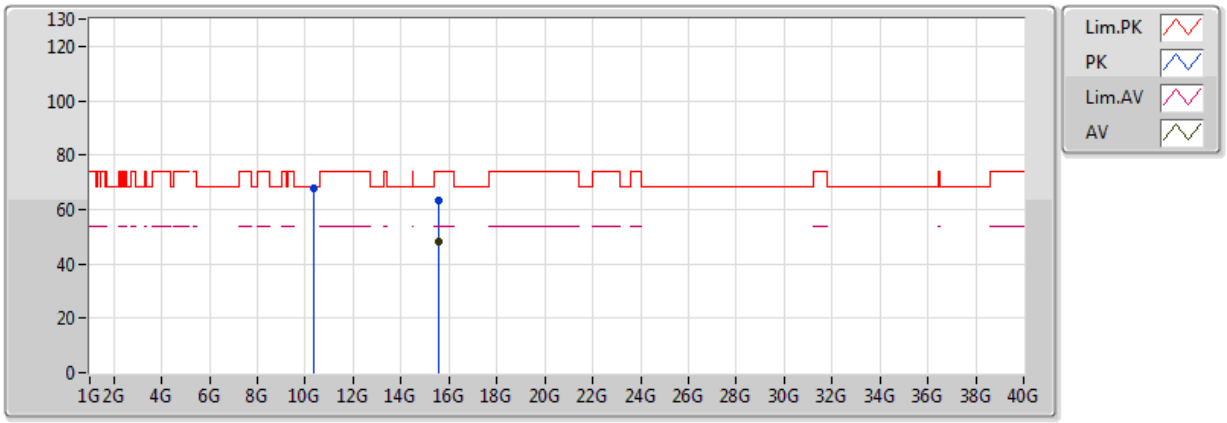
EUT Y_2TX
Setting 19.5
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.149995G	58.74	74.00	-15.26	4.90	3	Horizontal	191	1.87	-
AV	5.149995G	45.63	54.00	-8.37	4.90	3	Horizontal	191	1.87	-
PK	5.1818G	107.29	Inf	-Inf	4.94	3	Horizontal	191	1.87	-
AV	5.1818G	97.06	Inf	-Inf	4.94	3	Horizontal	191	1.87	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

17/04/2018



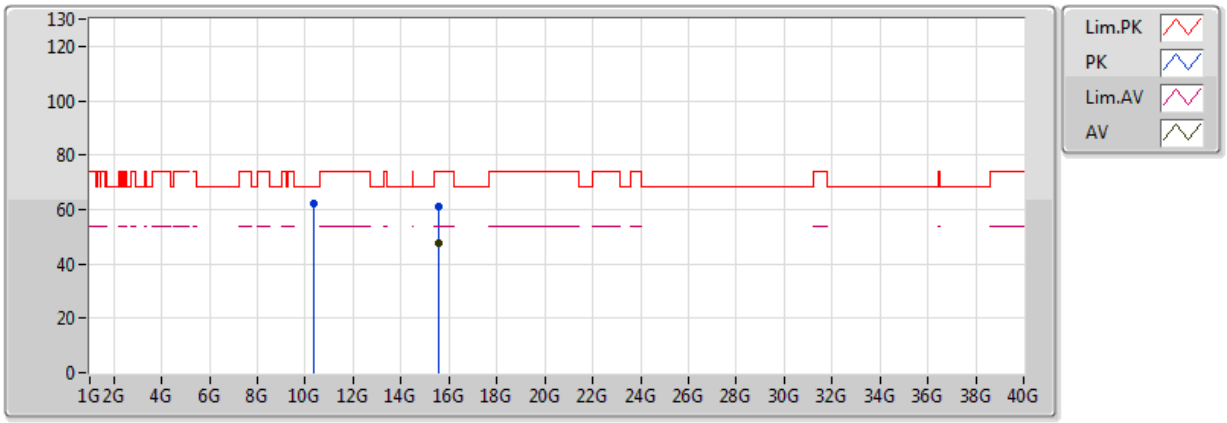
EUT Y_2TX
Setting 19.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.36052G	68.05	68.20	-0.15	12.66	3	Vertical	170	1.48	-
PK	15.54148G	63.30	74.00	-10.70	15.93	3	Vertical	359	1.50	-
AV	15.53996G	47.98	54.00	-6.02	15.93	3	Vertical	359	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

17/04/2018



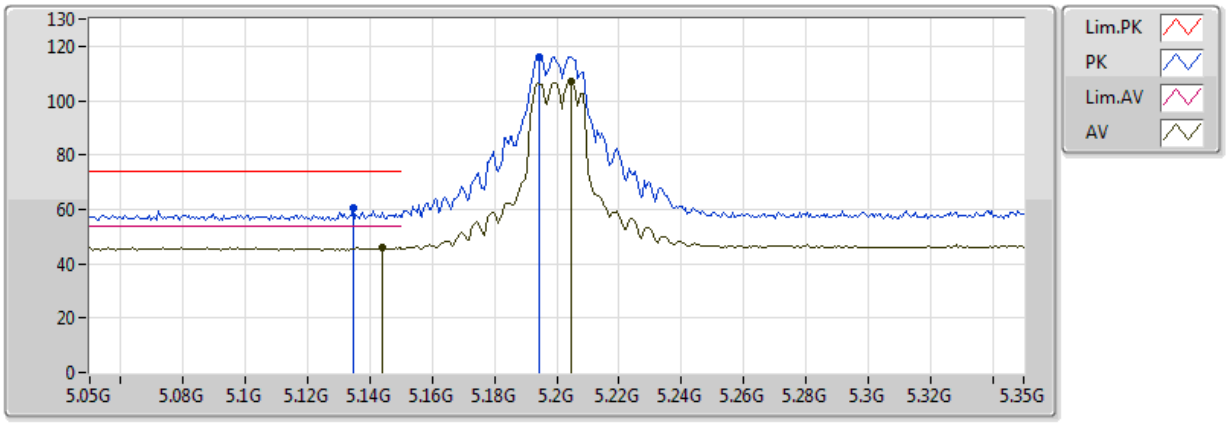
EUT Y_2TX
Setting 19.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.35688G	62.19	68.20	-6.01	12.66	3	Horizontal	349	1.50	-
PK	15.5376G	60.95	74.00	-13.05	15.94	3	Horizontal	360	1.50	-
AV	15.54032G	47.35	54.00	-6.65	15.93	3	Horizontal	360	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

17/04/2018

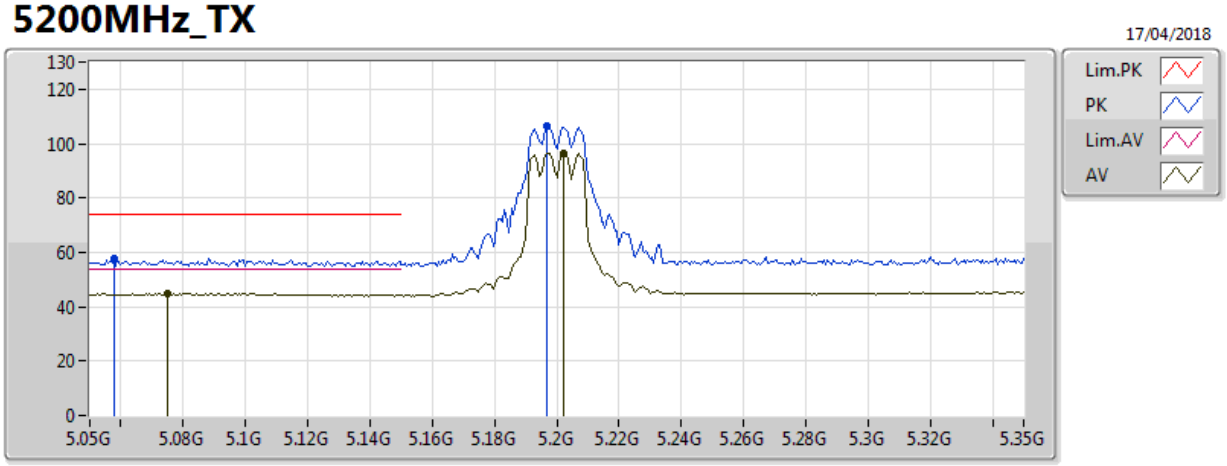


EUT Y_2TX
Setting 19.5
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1346G	60.49	74.00	-13.51	4.89	3	Vertical	301	1.32	-
AV	5.1442G	46.01	54.00	-7.99	4.89	3	Vertical	301	1.32	-
PK	5.1946G	116.27	Inf	-Inf	4.95	3	Vertical	301	1.32	-
AV	5.2048G	106.87	Inf	-Inf	4.98	3	Vertical	301	1.32	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX



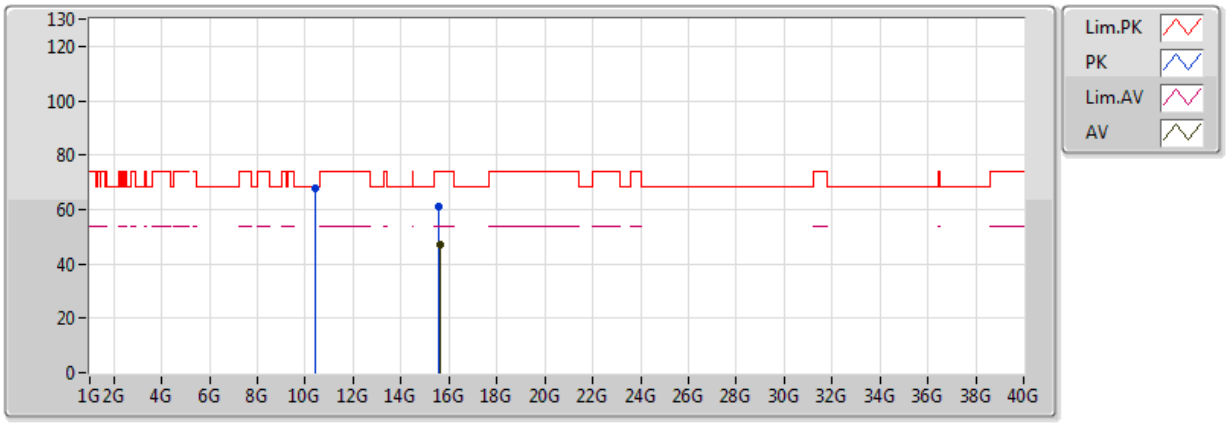
EUT Y_2TX
Setting 19.5
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0578G	57.51	74.00	-16.49	4.78	3	Horizontal	191	1.69	-
AV	5.0752G	44.81	54.00	-9.19	4.80	3	Horizontal	191	1.69	-
PK	5.197G	106.29	Inf	-Inf	4.96	3	Horizontal	191	1.69	-
AV	5.2024G	96.32	Inf	-Inf	4.97	3	Horizontal	191	1.69	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

17/04/2018



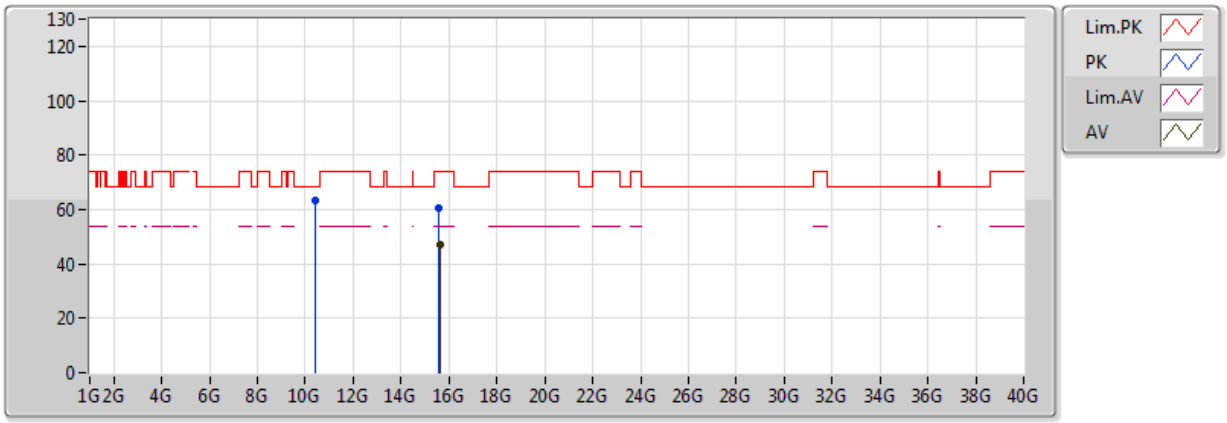
EUT Y_2TX
Setting 19.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.40052G	67.83	68.20	-0.37	12.70	3	Vertical	170	1.47	-
PK	15.59588G	60.90	74.00	-13.10	15.84	3	Vertical	0	2.12	-
AV	15.60436G	47.32	54.00	-6.68	15.83	3	Vertical	0	2.12	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

17/04/2018



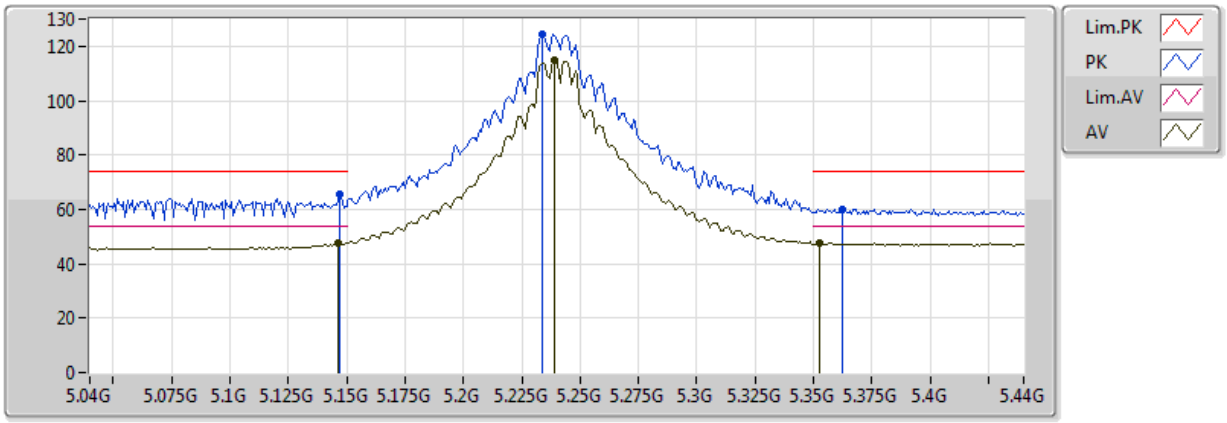
EUT Y_2TX
Setting 19.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.40072G	63.23	68.20	-4.97	12.70	3	Horizontal	55	1.45	-
PK	15.59184G	60.73	74.00	-13.27	15.85	3	Horizontal	0	1.50	-
AV	15.60152G	47.18	54.00	-6.82	15.83	3	Horizontal	0	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

17/04/2018

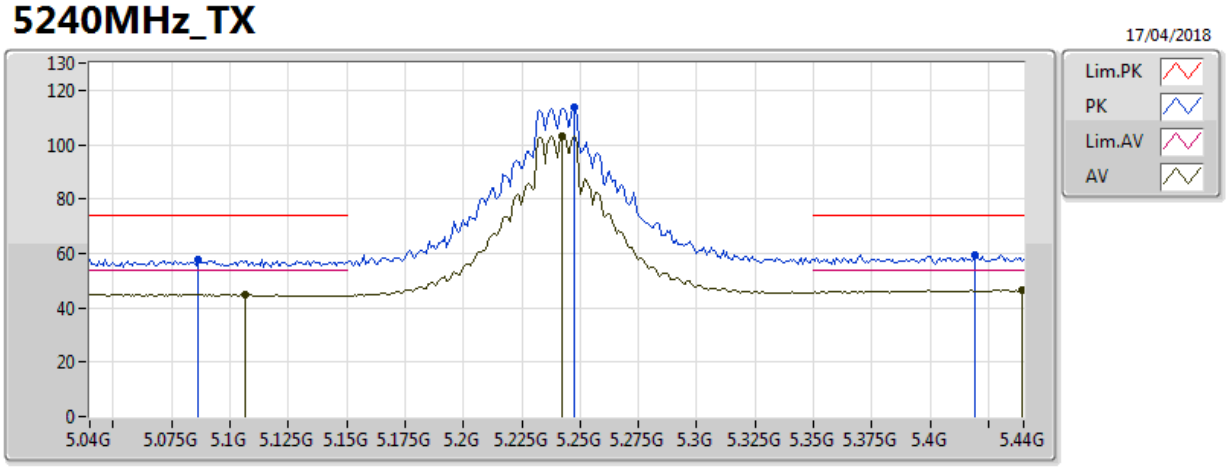


EUT Y_2TX
Setting 24
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1472G	65.35	74.00	-8.65	4.90	3	Vertical	306	1.04	-
AV	5.1464G	47.61	54.00	-6.39	4.89	3	Vertical	306	1.04	-
PK	5.2336G	124.57	Inf	-Inf	5.11	3	Vertical	306	1.04	-
AV	5.2392G	114.63	Inf	-Inf	5.14	3	Vertical	306	1.04	-
PK	5.3624G	60.15	74.00	-13.85	5.65	3	Vertical	306	1.04	-
AV	5.3528G	47.53	54.00	-6.47	5.61	3	Vertical	306	1.04	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX



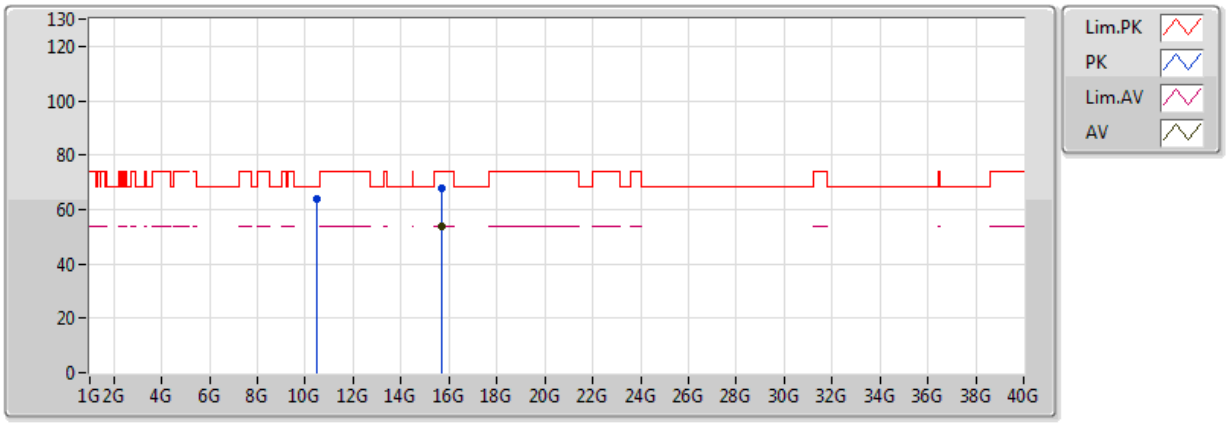
EUT Y_2TX
Setting 24
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0864G	57.82	74.00	-16.18	4.82	3	Horizontal	193	1.50	-
AV	5.1064G	44.93	54.00	-9.07	4.85	3	Horizontal	193	1.50	-
PK	5.2472G	113.56	Inf	-Inf	5.17	3	Horizontal	193	1.50	-
AV	5.2424G	103.34	Inf	-Inf	5.15	3	Horizontal	193	1.50	-
PK	5.4192G	59.45	74.00	-14.55	5.83	3	Horizontal	193	1.50	-
AV	5.4392G	46.54	54.00	-7.46	5.87	3	Horizontal	193	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

17/04/2018



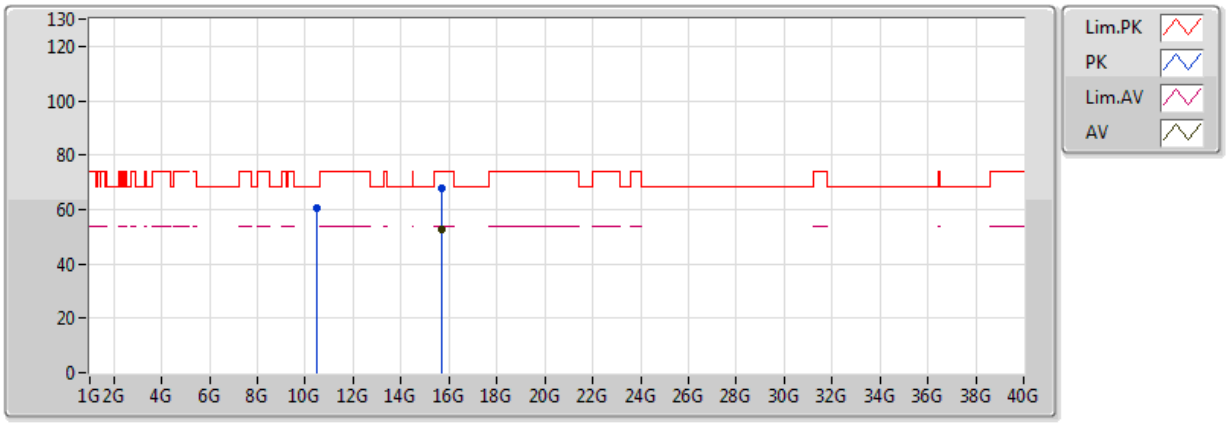
EUT Y_2TX
Setting 24
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.47476G	63.76	68.20	-4.44	12.77	3	Vertical	169	1.49	-
PK	15.71444G	67.74	74.00	-6.26	15.65	3	Vertical	217	1.58	-
AV	15.71956G	53.59	54.00	-0.41	15.65	3	Vertical	217	1.58	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

17/04/2018

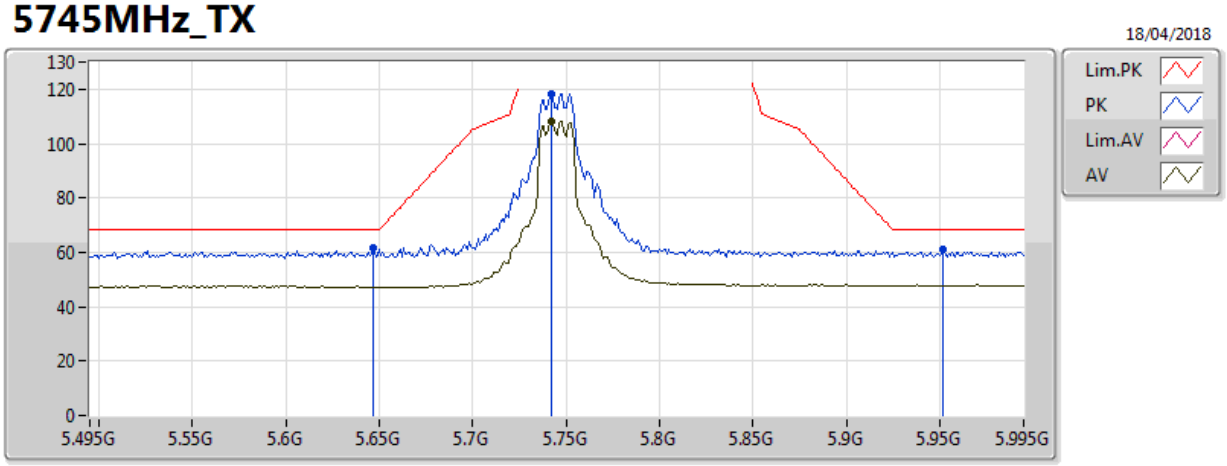


EUT Y_2TX
Setting 24
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.48108G	60.57	68.20	-7.63	12.78	3	Horizontal	54	1.01	-
PK	15.71672G	67.63	74.00	-6.37	15.65	3	Horizontal	74	1.50	-
AV	15.71712G	52.60	54.00	-1.40	15.65	3	Horizontal	74	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

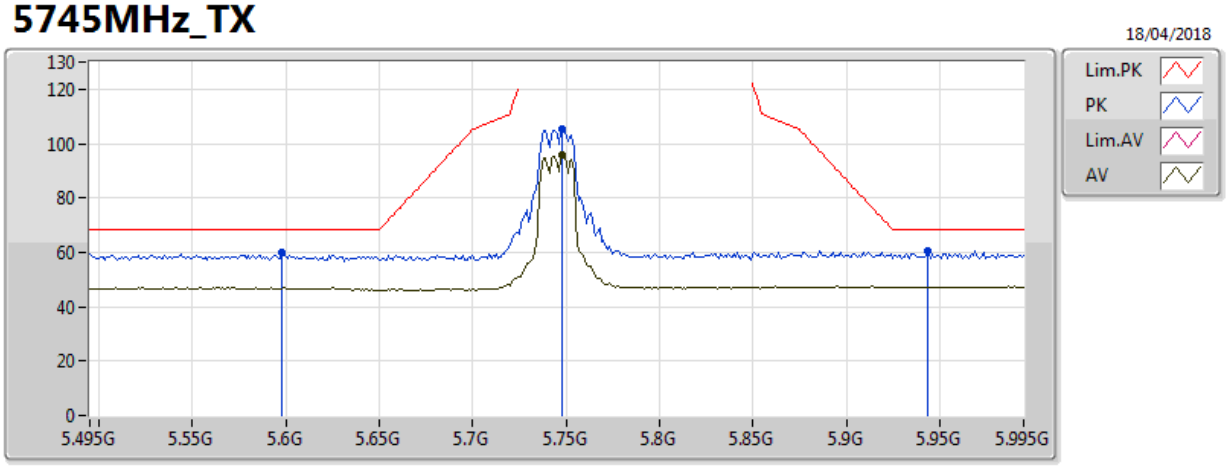


EUT Y_2TX
Setting 19
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.647G	61.45	68.20	-6.75	6.46	3	Vertical	289	1.30	-
PK	5.742G	118.45	Inf	-Inf	6.86	3	Vertical	289	1.30	-
AV	5.742G	108.40	Inf	-Inf	6.86	3	Vertical	289	1.30	-
PK	5.952G	61.08	68.20	-7.12	7.39	3	Vertical	289	1.30	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

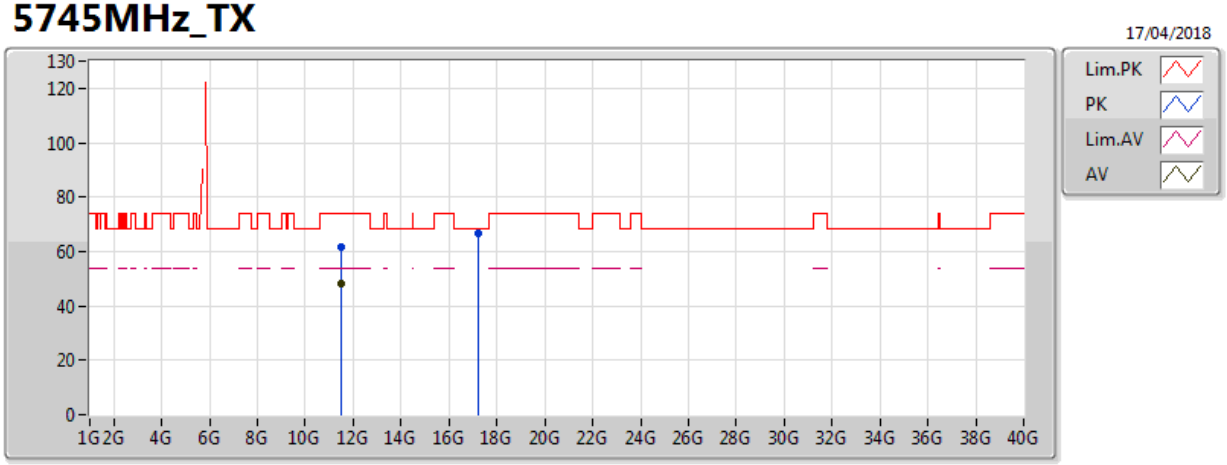


EUT Y_2TX
Setting 19
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.598G	59.78	68.20	-8.42	6.26	3	Horizontal	277	1.54	-
PK	5.748G	105.49	Inf	-Inf	6.88	3	Horizontal	277	1.54	-
AV	5.748G	95.60	Inf	-Inf	6.88	3	Horizontal	277	1.54	-
PK	5.944G	60.71	68.20	-7.49	7.37	3	Horizontal	277	1.54	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX



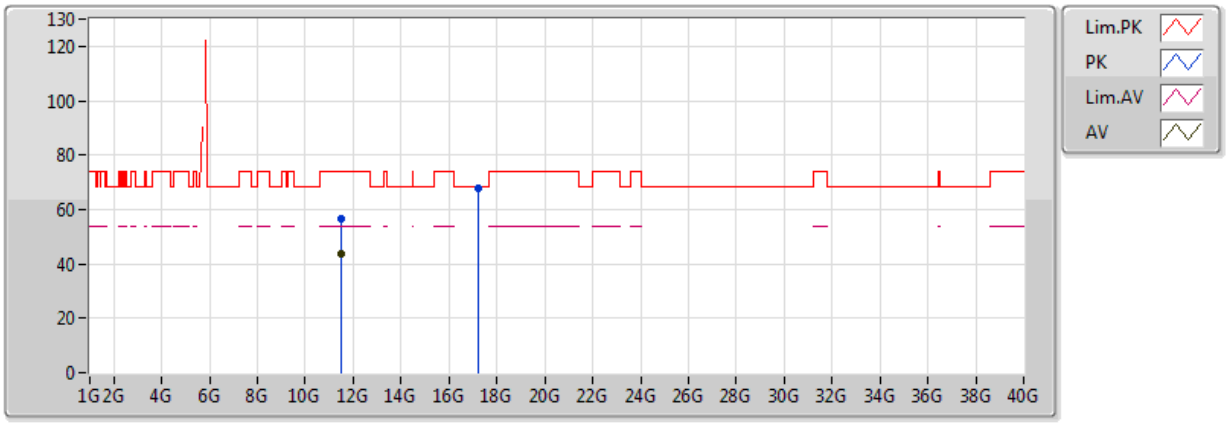
EUT Y_2TX
Setting 19
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49108G	61.62	74.00	-12.38	13.32	3	Vertical	172	1.38	-
AV	11.49004G	48.39	54.00	-5.61	13.32	3	Vertical	172	1.38	-
PK	17.23144G	66.41	68.20	-1.79	20.10	3	Vertical	36	1.69	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

17/04/2018

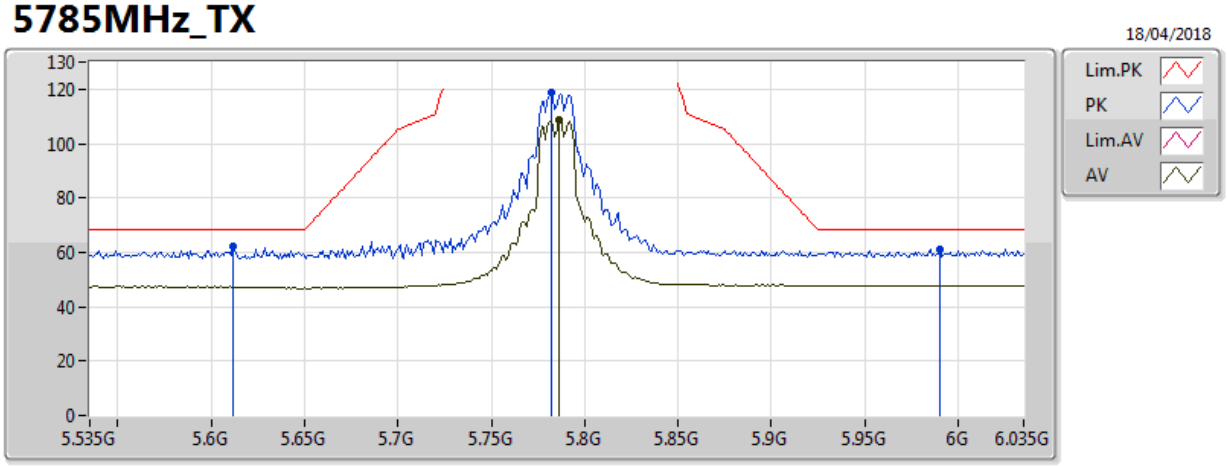


EUT Y_2TX
Setting 19
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49008G	56.58	74.00	-17.42	13.32	3	Horizontal	277	1.42	-
AV	11.48996G	43.85	54.00	-10.15	13.32	3	Horizontal	277	1.42	-
PK	17.23116G	67.96	68.20	-0.24	20.10	3	Horizontal	42	2.89	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

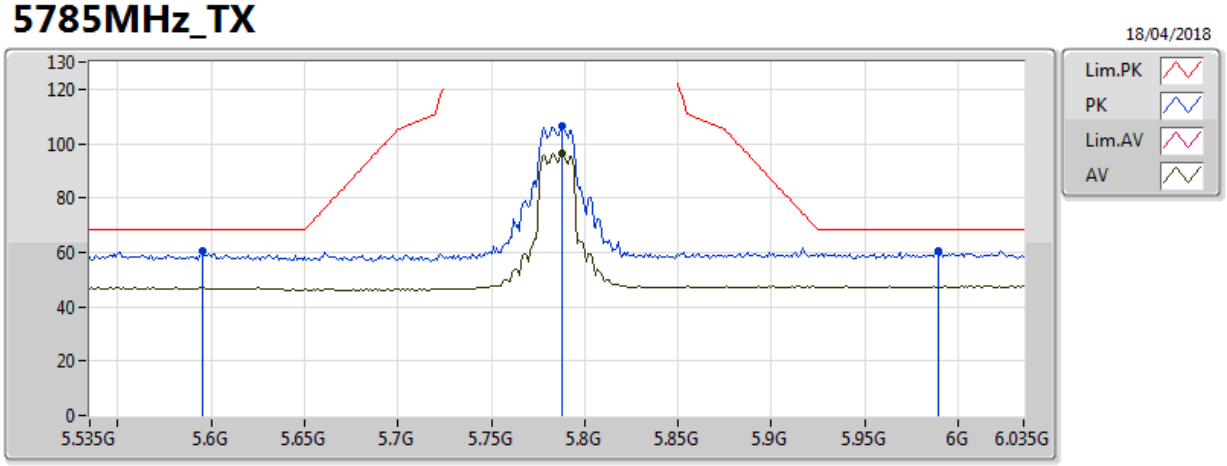


EUT Y_2TX
Setting 19.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.612G	61.93	68.20	-6.27	6.32	3	Vertical	292	1.50	-
PK	5.782G	118.77	Inf	-Inf	7.02	3	Vertical	292	1.50	-
AV	5.786G	108.55	Inf	-Inf	7.04	3	Vertical	292	1.50	-
PK	5.99G	61.21	68.20	-6.99	7.46	3	Vertical	292	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX



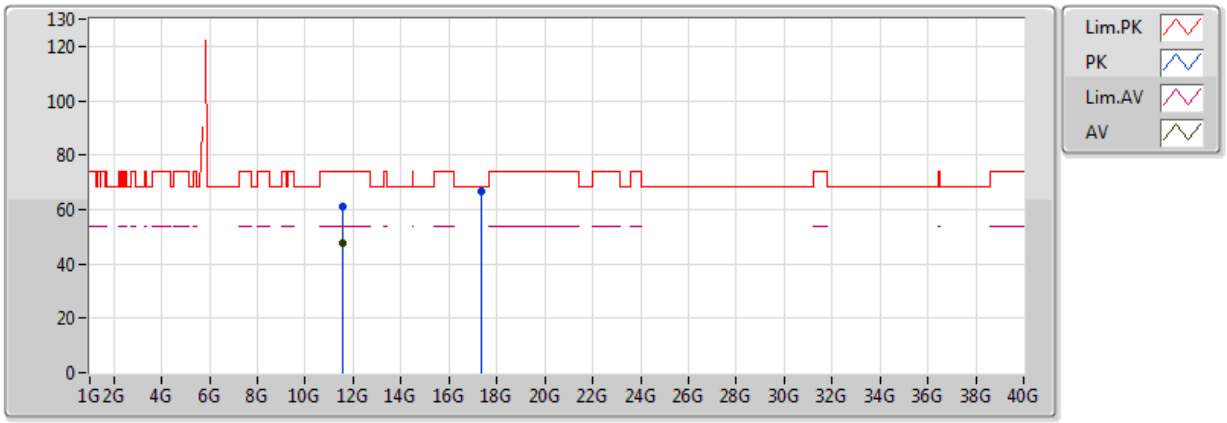
EUT Y_2TX
Setting 19.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.595G	60.43	68.20	-7.77	6.26	3	Horizontal	280	1.75	-
PK	5.788G	106.54	Inf	-Inf	7.05	3	Horizontal	280	1.75	-
AV	5.788G	96.43	Inf	-Inf	7.05	3	Horizontal	280	1.75	-
PK	5.989G	60.43	68.20	-7.77	7.46	3	Horizontal	280	1.75	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

17/04/2018



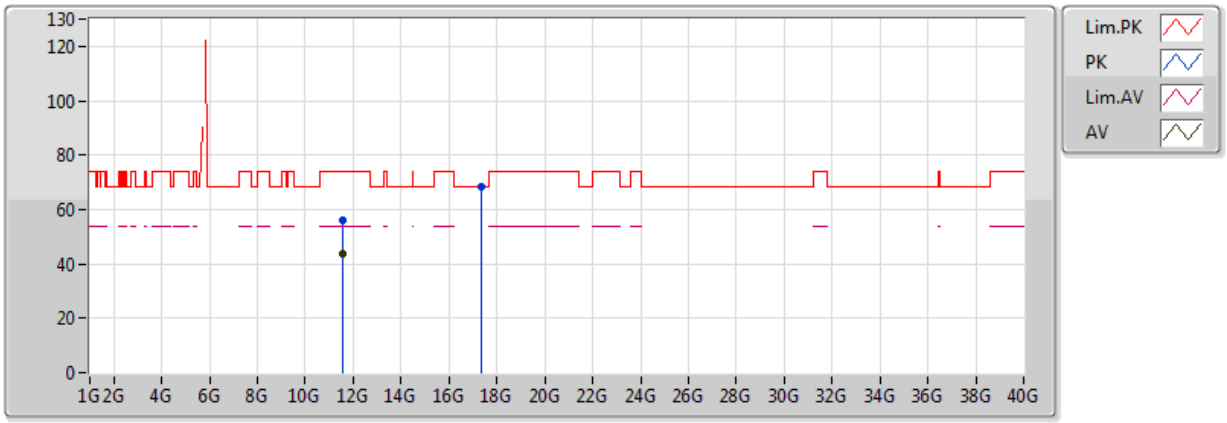
EUT Y_2TX
Setting 19.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.573G	61.32	74.00	-12.68	13.33	3	Vertical	175	1.73	-
AV	11.56788G	47.74	54.00	-6.26	13.33	3	Vertical	175	1.73	-
PK	17.36108G	66.51	68.20	-1.69	20.42	3	Vertical	38	1.47	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

17/04/2018

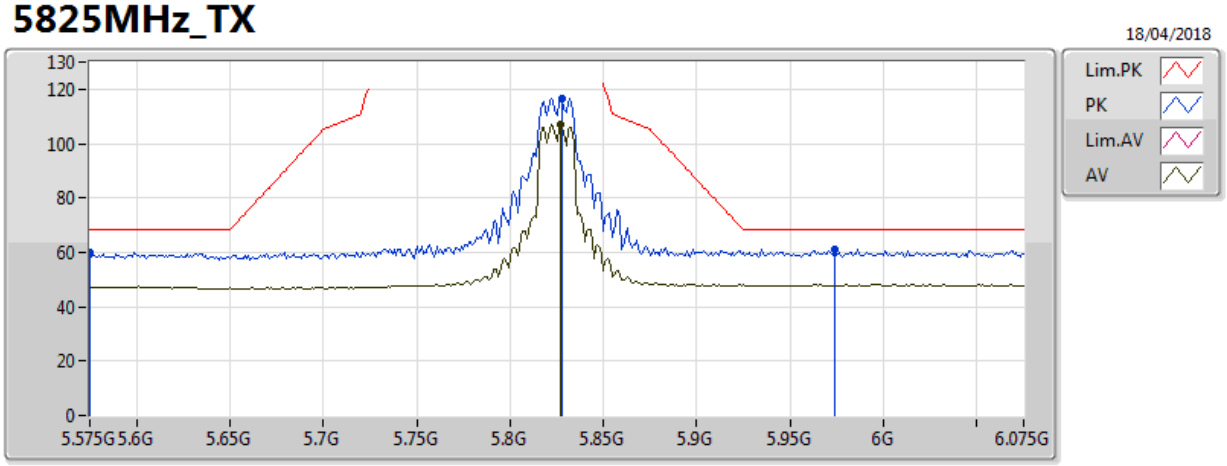


EUT Y_2TX
Setting 19.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5702G	55.95	74.00	-18.05	13.33	3	Horizontal	277	1.49	-
AV	11.57016G	43.50	54.00	-10.50	13.33	3	Horizontal	277	1.49	-
PK	17.36088G	68.11	68.20	-0.09	20.42	3	Horizontal	48	1.95	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

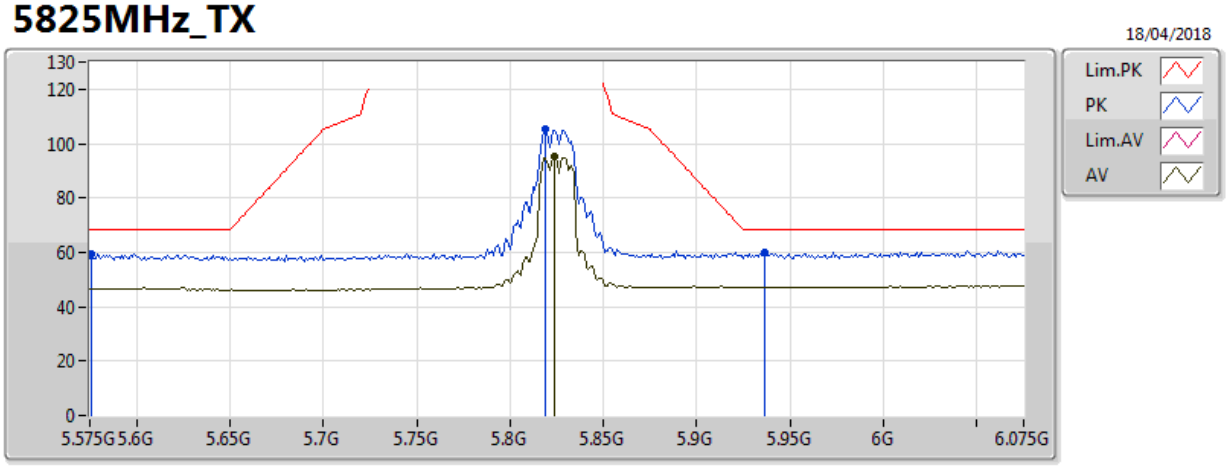


EUT Y_2TX
Setting 18.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.575G	59.99	68.20	-8.21	6.21	3	Vertical	289	1.50	-
PK	5.828G	116.70	Inf	-Inf	7.15	3	Vertical	289	1.50	-
AV	5.827G	107.03	Inf	-Inf	7.15	3	Vertical	289	1.50	-
PK	5.974G	61.20	68.20	-7.00	7.44	3	Vertical	289	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

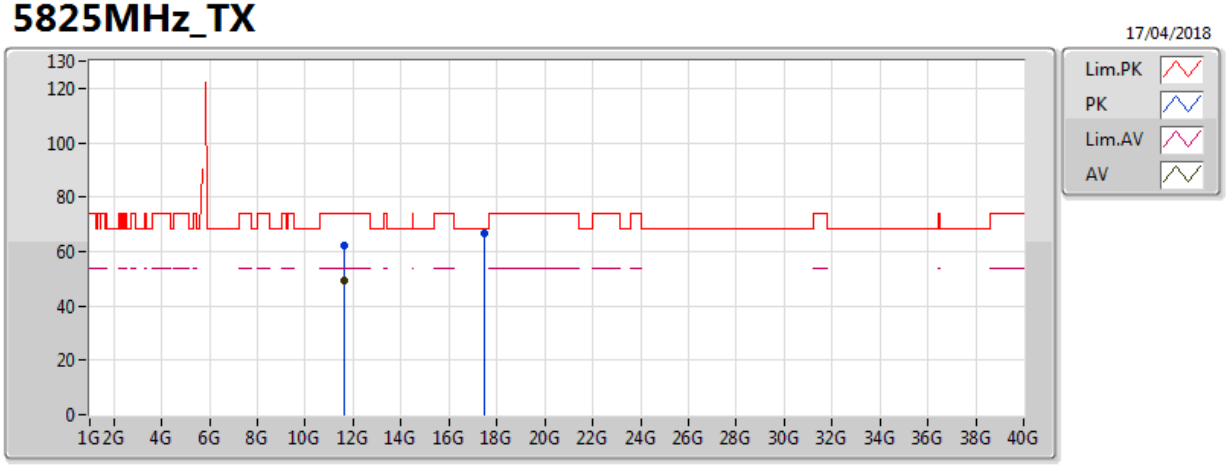


EUT Y_2TX
Setting 18.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.576G	59.26	68.20	-8.94	6.20	3	Horizontal	281	1.61	-
PK	5.819G	105.14	Inf	-Inf	7.14	3	Horizontal	281	1.61	-
AV	5.824G	94.98	Inf	-Inf	7.15	3	Horizontal	281	1.61	-
PK	5.936G	60.21	68.20	-7.99	7.35	3	Horizontal	281	1.61	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX



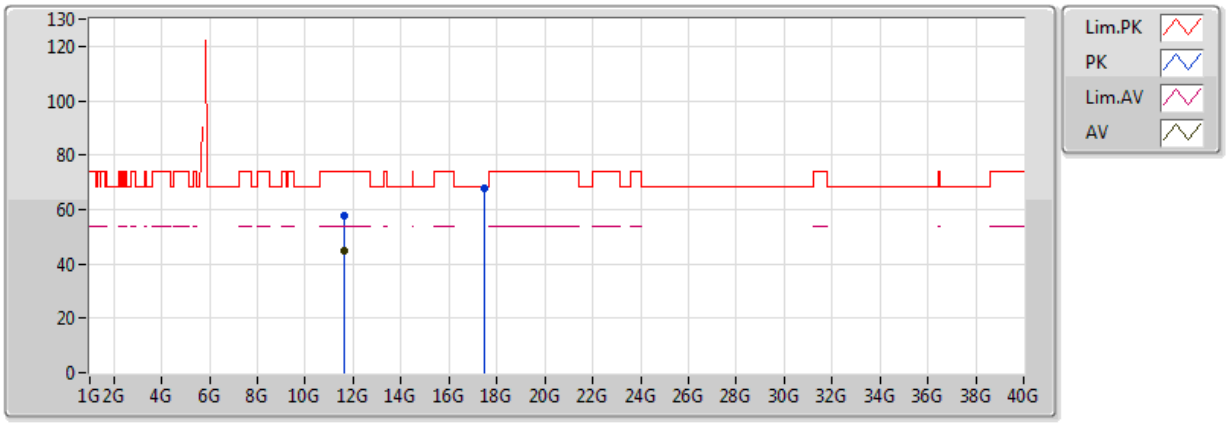
EUT Y_2TX
Setting 18.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64448G	62.26	74.00	-11.74	13.34	3	Vertical	178	1.50	-
AV	11.65008G	49.29	54.00	-4.71	13.34	3	Vertical	178	1.50	-
PK	17.47216G	66.44	68.20	-1.76	20.70	3	Vertical	38	1.48	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

17/04/2018

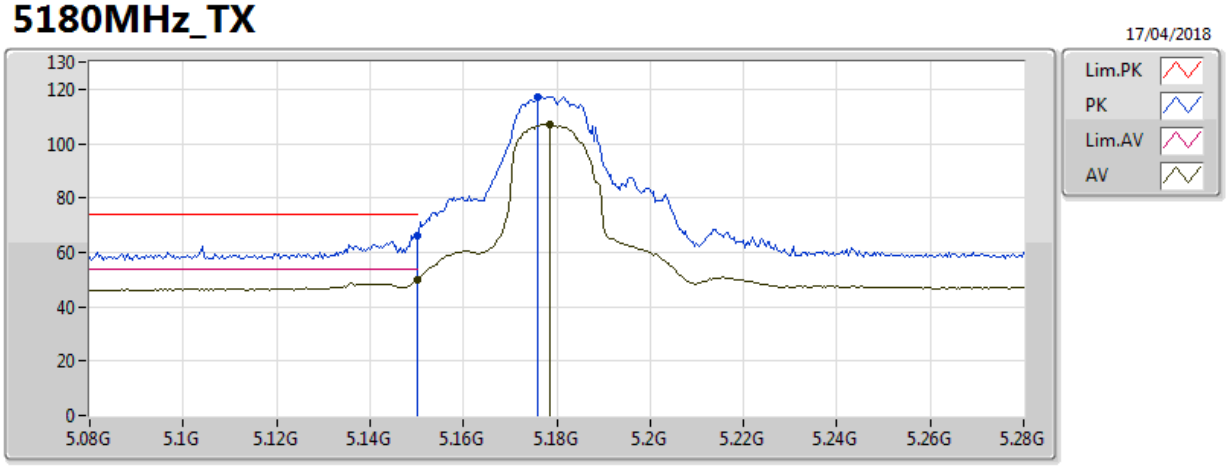


EUT Y_2TX
Setting 18.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65028G	57.75	74.00	-16.25	13.34	3	Horizontal	248	2.01	-
AV	11.65032G	44.69	54.00	-9.31	13.34	3	Horizontal	248	2.01	-
PK	17.47696G	68.05	68.20	-0.15	20.71	3	Horizontal	45	2.88	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

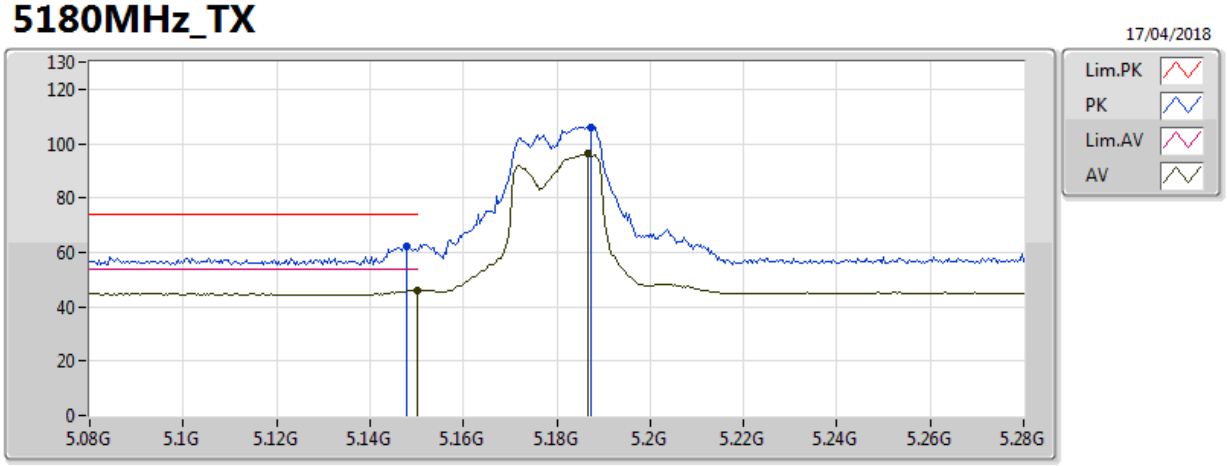


EUT Y_2TX
Setting 20
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.149995G	66.05	74.00	-7.95	4.90	3	Vertical	297	1.37	-
AV	5.149995G	49.94	54.00	-4.06	4.90	3	Vertical	297	1.37	-
PK	5.176G	117.27	Inf	-Inf	4.93	3	Vertical	297	1.37	-
AV	5.1784G	107.19	Inf	-Inf	4.93	3	Vertical	297	1.37	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

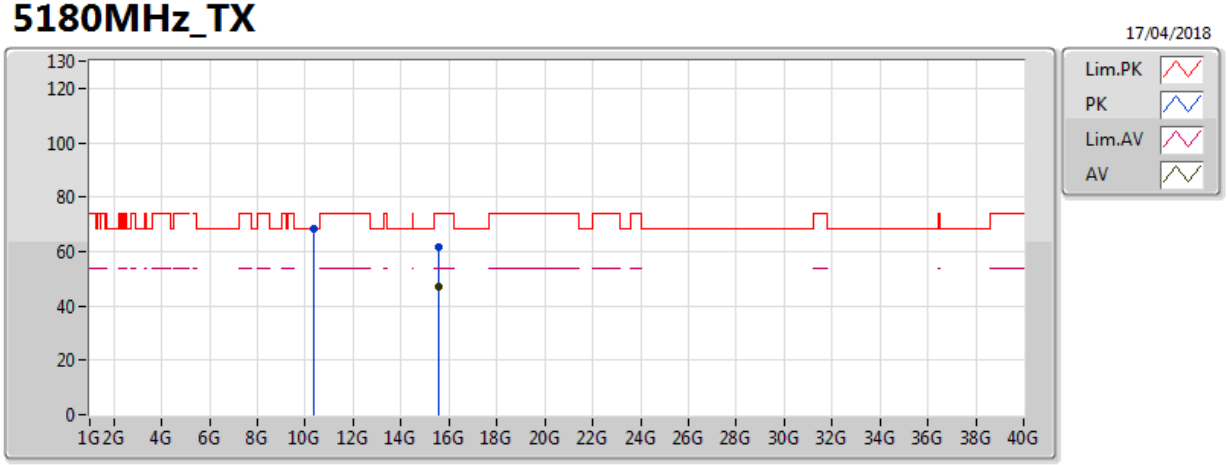


EUT Y_2TX
Setting 20
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.148G	61.93	74.00	-12.07	4.90	3	Horizontal	190	1.82	-
AV	5.149995G	45.92	54.00	-8.08	4.90	3	Horizontal	190	1.82	-
PK	5.1872G	106.11	Inf	-Inf	4.94	3	Horizontal	190	1.82	-
AV	5.1868G	96.25	Inf	-Inf	4.94	3	Horizontal	190	1.82	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX



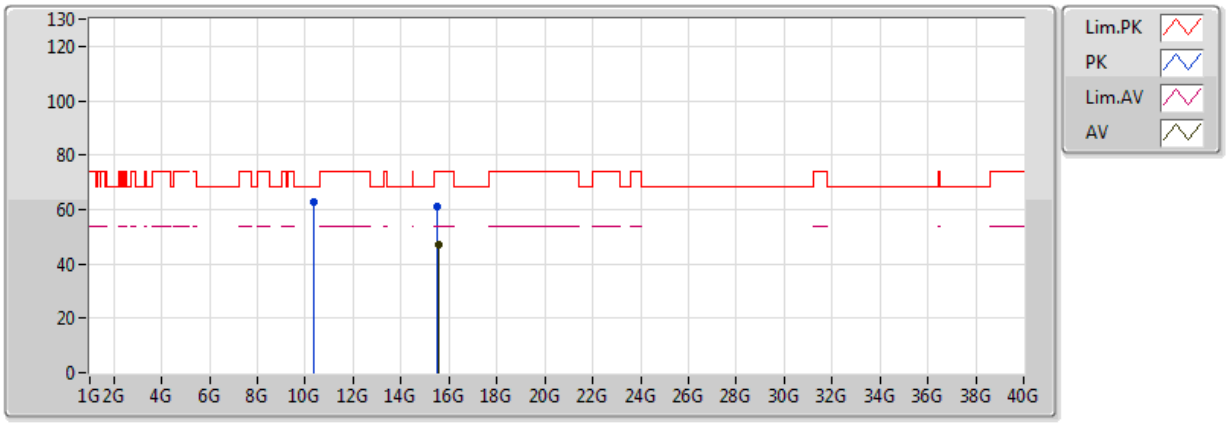
EUT Y_2TX
Setting 20
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.36268G	68.10	68.20	-0.10	12.66	3	Vertical	170	1.50	-
PK	15.5424G	61.88	74.00	-12.12	15.93	3	Vertical	116	1.50	-
AV	15.54264G	46.85	54.00	-7.15	15.93	3	Vertical	116	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

17/04/2018

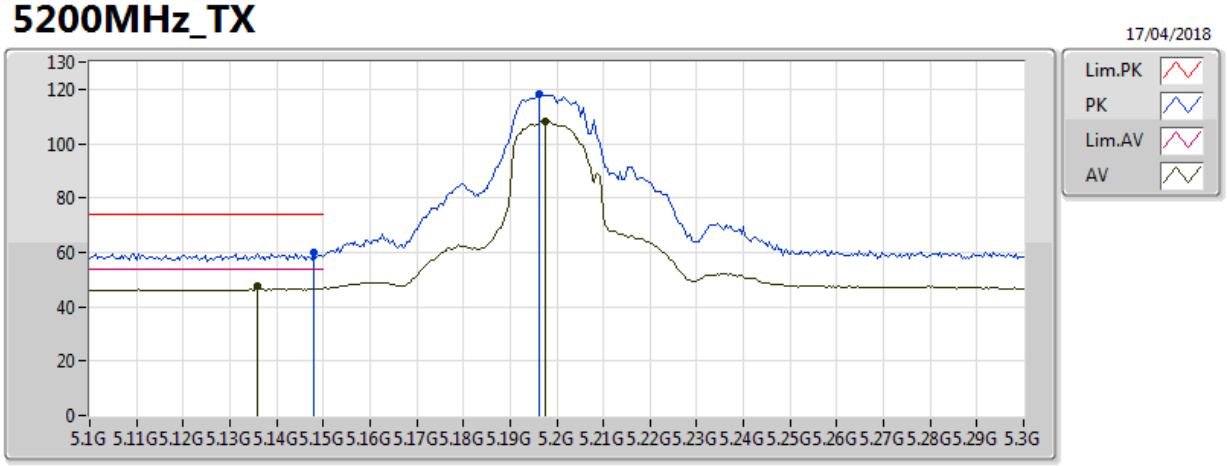


EUT Y_2TX
Setting 20
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.36248G	62.63	68.20	-5.57	12.66	3	Horizontal	54	1.43	-
PK	15.53584G	60.93	74.00	-13.07	15.94	3	Horizontal	112	1.50	-
AV	15.54704G	46.82	54.00	-7.18	15.92	3	Horizontal	112	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

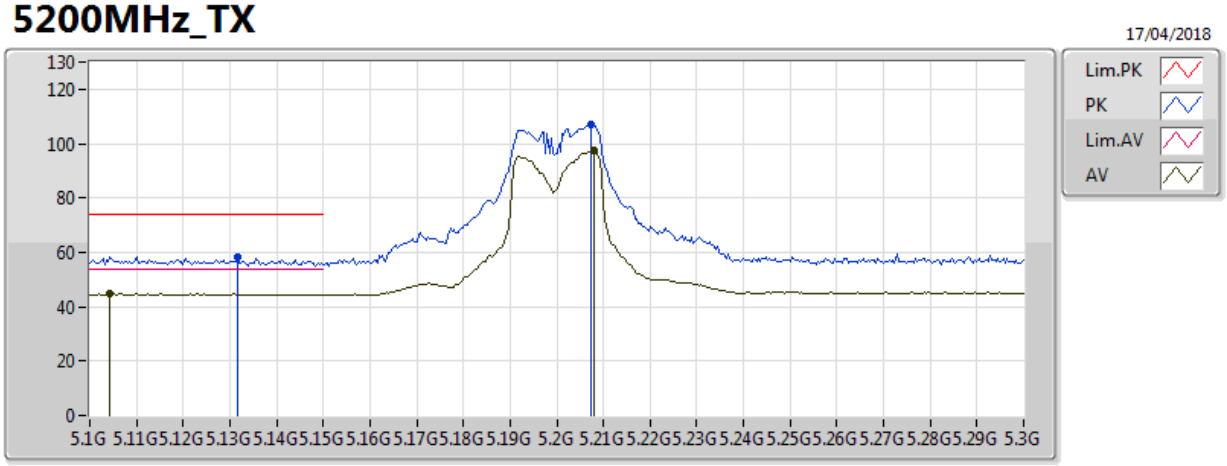


EUT Y_2TX
Setting 20.5
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.148G	59.92	74.00	-14.08	4.90	3	Vertical	299	1.41	-
AV	5.136G	47.67	54.00	-6.33	4.89	3	Vertical	299	1.41	-
PK	5.1964G	118.33	Inf	-Inf	4.96	3	Vertical	299	1.41	-
AV	5.1976G	108.02	Inf	-Inf	4.96	3	Vertical	299	1.41	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX



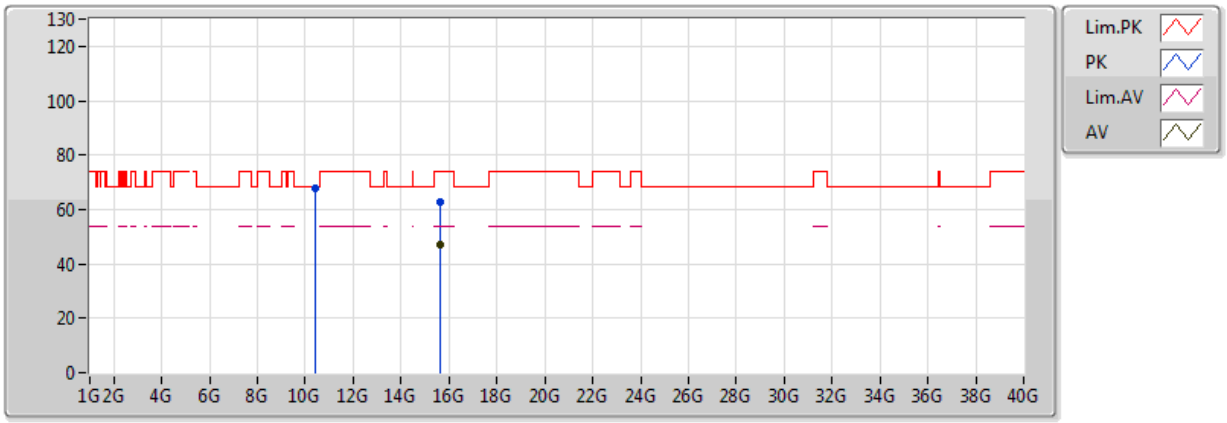
EUT Y_2TX
Setting 20.5
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1316G	58.06	74.00	-15.94	4.88	3	Horizontal	191	1.71	-
AV	5.1044G	44.82	54.00	-9.18	4.85	3	Horizontal	191	1.71	-
PK	5.2072G	107.10	Inf	-Inf	4.99	3	Horizontal	191	1.71	-
AV	5.208G	97.35	Inf	-Inf	5.00	3	Horizontal	191	1.71	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

17/04/2018

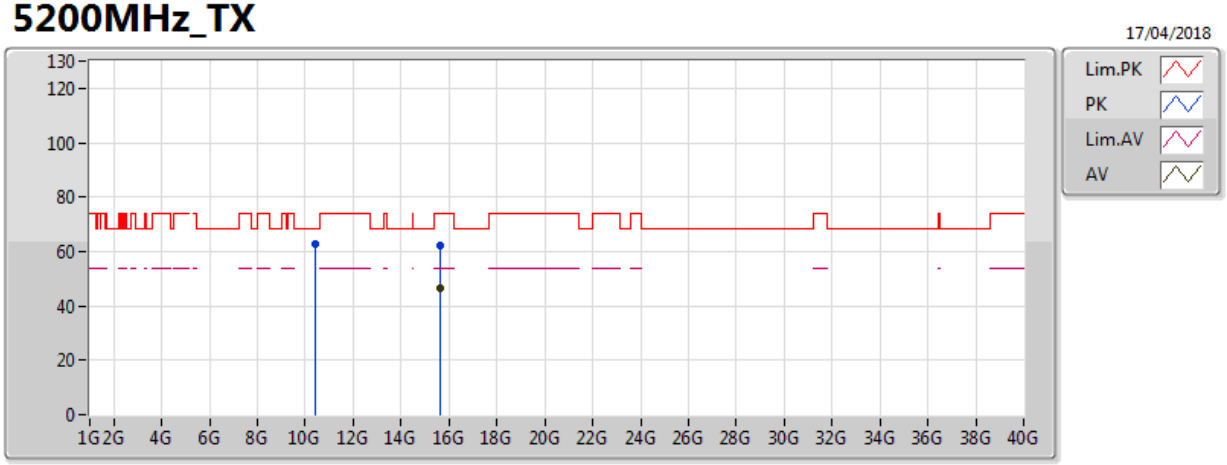


EUT Y_2TX
Setting 20.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.40256G	67.87	68.20	-0.33	12.70	3	Vertical	170	1.45	-
PK	15.60784G	62.90	74.00	-11.10	15.82	3	Vertical	359	1.51	-
AV	15.60876G	46.80	54.00	-7.20	15.82	3	Vertical	359	1.51	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

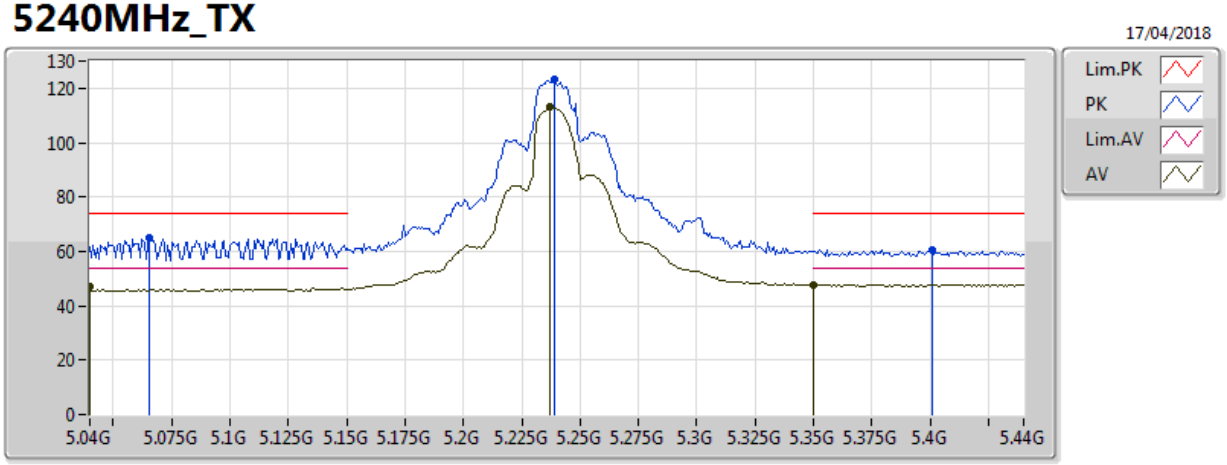


EUT Y_2TX
Setting 20.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4026G	62.54	68.20	-5.66	12.70	3	Horizontal	53	1.45	-
PK	15.60776G	62.37	74.00	-11.63	15.82	3	Horizontal	67	1.50	-
AV	15.6068G	46.71	54.00	-7.29	15.83	3	Horizontal	67	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

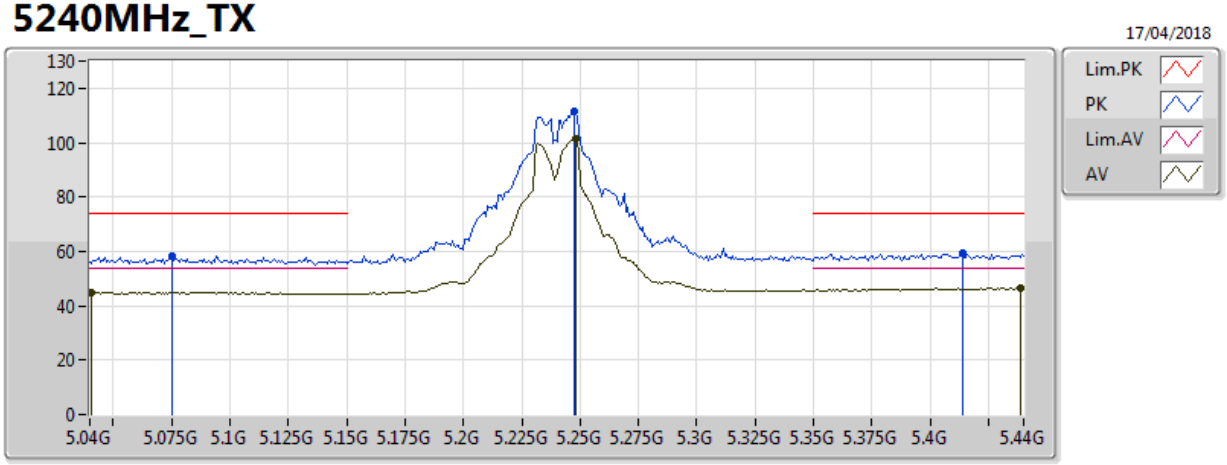


EUT Y_2TX
Setting 24.5
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0656G	65.08	74.00	-8.92	4.79	3	Vertical	304	1.01	-
AV	5.04G	47.01	54.00	-6.99	4.76	3	Vertical	304	1.01	-
PK	5.2392G	123.14	Inf	-Inf	5.14	3	Vertical	304	1.01	-
AV	5.2368G	113.10	Inf	-Inf	5.13	3	Vertical	304	1.01	-
PK	5.4008G	60.72	74.00	-13.28	5.79	3	Vertical	304	1.01	-
AV	5.350005G	47.81	54.00	-6.19	5.60	3	Vertical	304	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

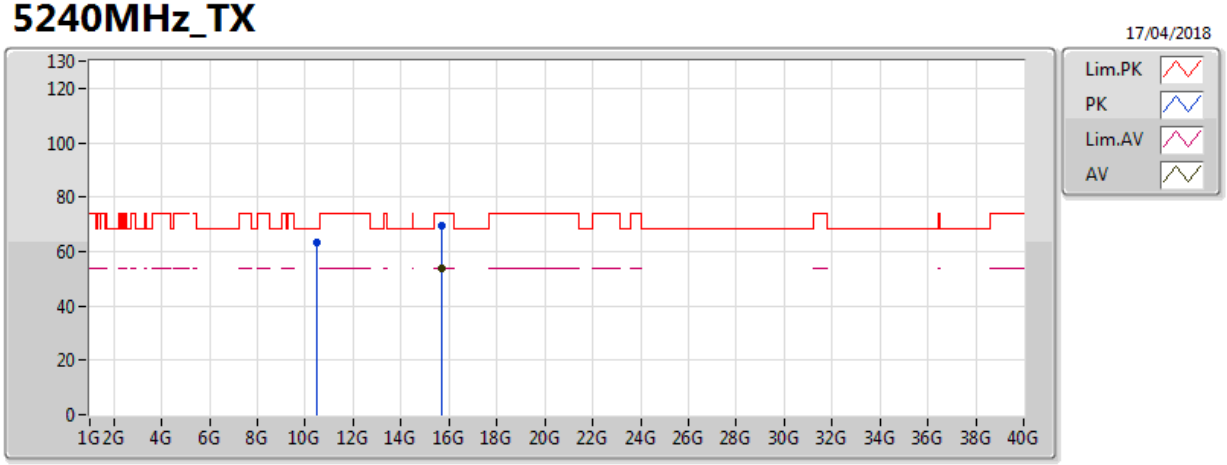


EUT Y_2TX
Setting 24.5
01-S-5-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0752G	58.47	74.00	-15.53	4.80	3	Horizontal	191	1.73	-
AV	5.0408G	44.87	54.00	-9.13	4.76	3	Horizontal	191	1.73	-
PK	5.2472G	111.70	Inf	-Inf	5.17	3	Horizontal	191	1.73	-
AV	5.248G	101.53	Inf	-Inf	5.18	3	Horizontal	191	1.73	-
PK	5.4136G	59.14	74.00	-14.86	5.82	3	Horizontal	191	1.73	-
AV	5.4384G	46.49	54.00	-7.51	5.87	3	Horizontal	191	1.73	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

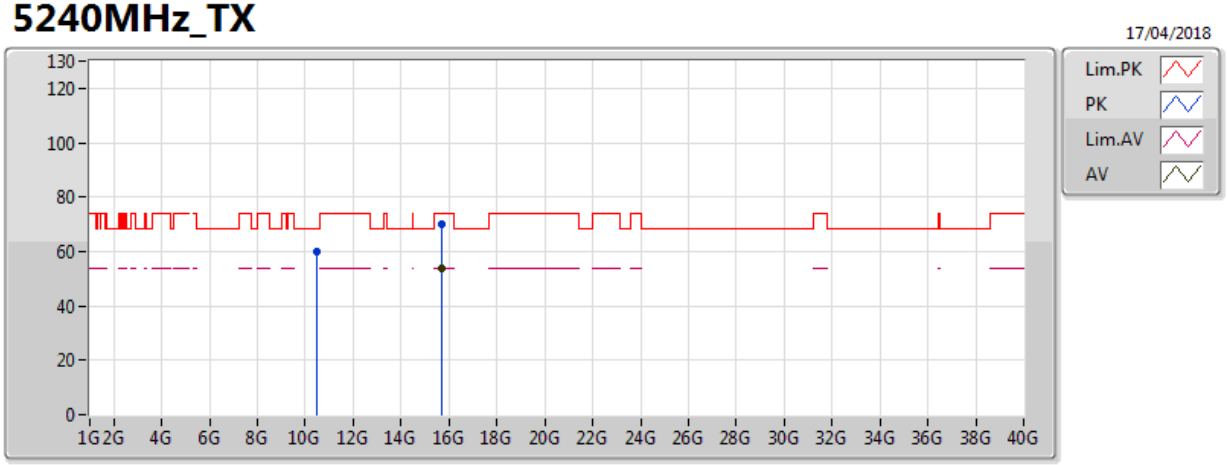


EUT Y_2TX
Setting 24.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4791G	63.20	68.20	-5.00	12.77	3	Vertical	167	1.50	-
PK	15.71764G	69.68	74.00	-4.32	15.65	3	Vertical	217	1.59	-
AV	15.71856G	53.78	54.00	-0.22	15.65	3	Vertical	217	1.59	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

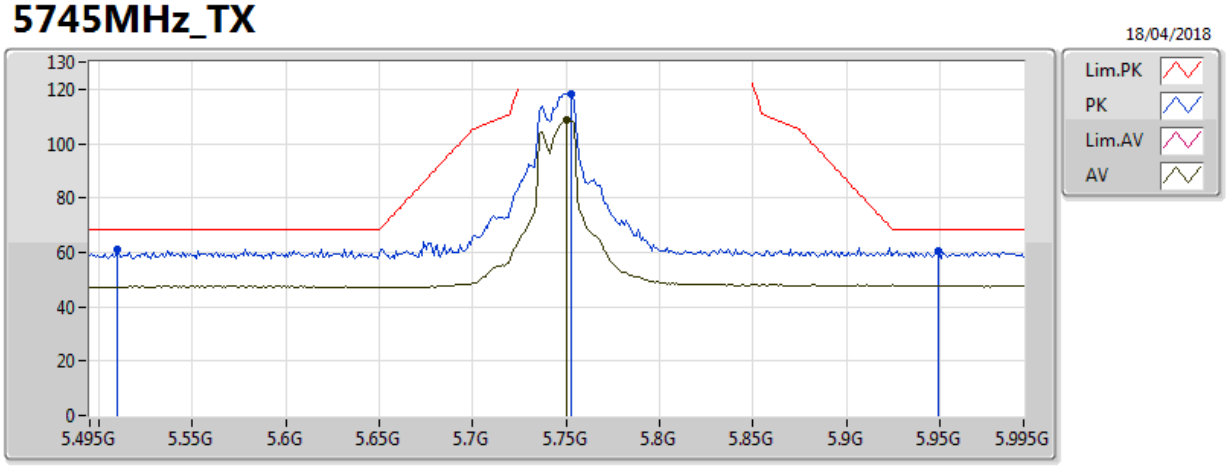


EUT Y_2TX
Setting 24.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.4852G	59.96	68.20	-8.24	12.78	3	Horizontal	55	1.40	-
PK	15.718G	70.31	74.00	-3.69	15.65	3	Horizontal	240	1.52	-
AV	15.71848G	53.89	54.00	-0.11	15.65	3	Horizontal	240	1.52	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

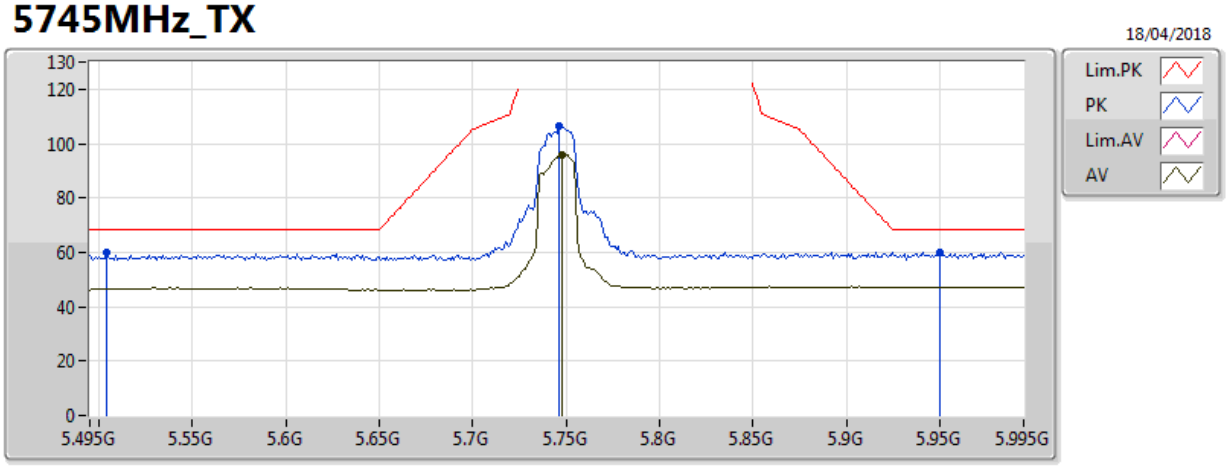


EUT Y_2TX
Setting 19.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.51G	61.29	68.20	-6.91	6.03	3	Vertical	292	1.43	-
PK	5.753G	118.47	Inf	-Inf	6.90	3	Vertical	292	1.43	-
AV	5.75G	108.55	Inf	-Inf	6.89	3	Vertical	292	1.43	-
PK	5.949G	60.62	68.20	-7.58	7.39	3	Vertical	292	1.43	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX



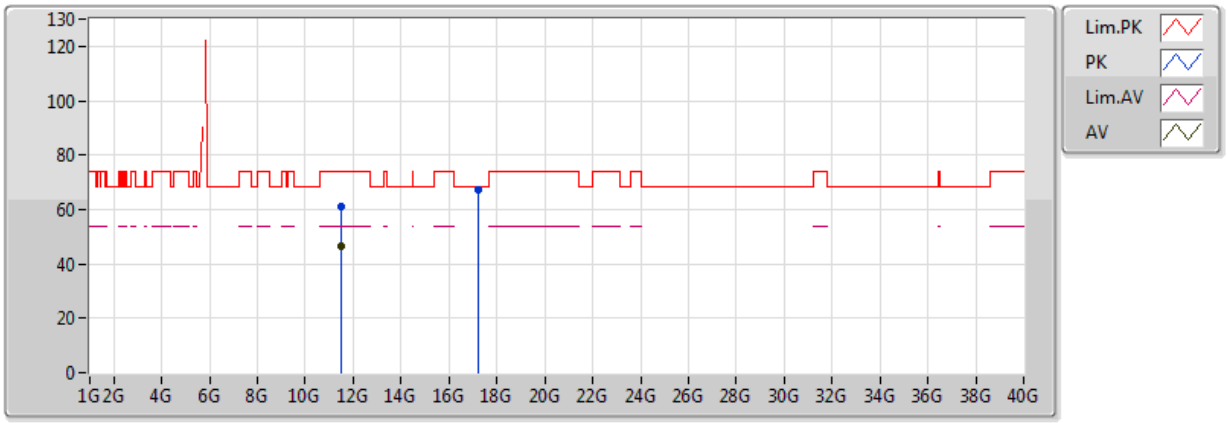
EUT Y_2TX
Setting 19.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.504G	59.78	68.20	-8.42	6.01	3	Horizontal	288	2.08	-
PK	5.746G	106.48	Inf	-Inf	6.87	3	Horizontal	288	2.08	-
AV	5.748G	96.06	Inf	-Inf	6.88	3	Horizontal	288	2.08	-
PK	5.95G	60.23	68.20	-7.97	7.38	3	Horizontal	288	2.08	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

17/04/2018

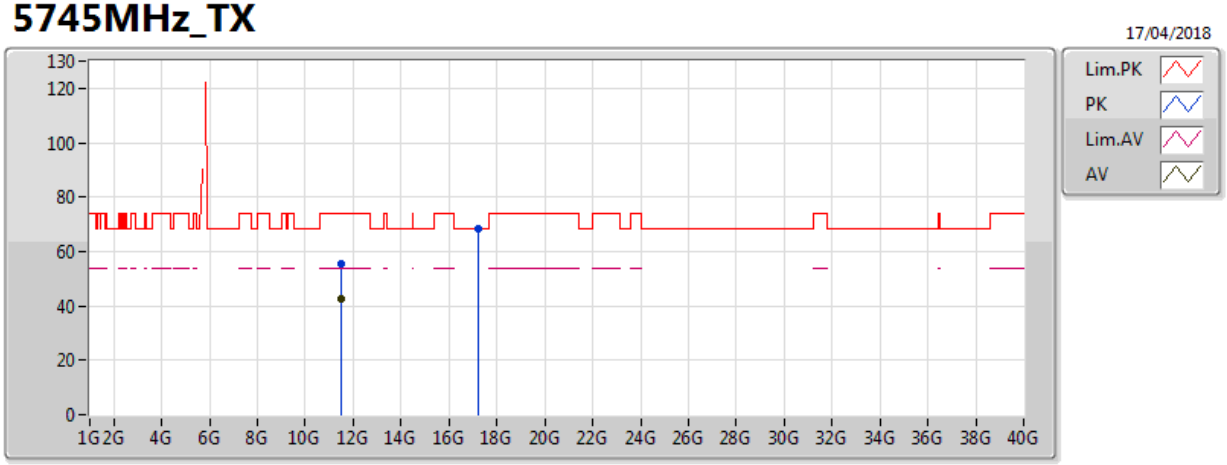


EUT Y_2TX
Setting 19.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48616G	60.90	74.00	-13.10	13.32	3	Vertical	157	1.50	-
AV	11.48904G	46.44	54.00	-7.56	13.32	3	Vertical	157	1.50	-
PK	17.23164G	67.15	68.20	-1.05	20.10	3	Vertical	39	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

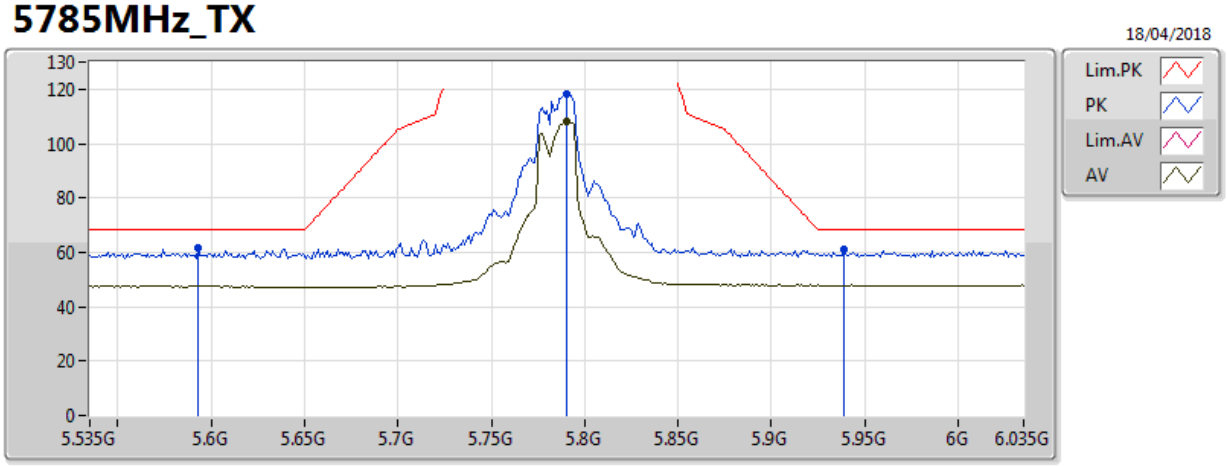


EUT Y_2TX
Setting 19.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48944G	55.66	74.00	-18.34	13.32	3	Horizontal	274	1.50	-
AV	11.48992G	42.60	54.00	-11.40	13.32	3	Horizontal	274	1.50	-
PK	17.24308G	68.17	68.20	-0.03	20.13	3	Horizontal	43	2.90	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

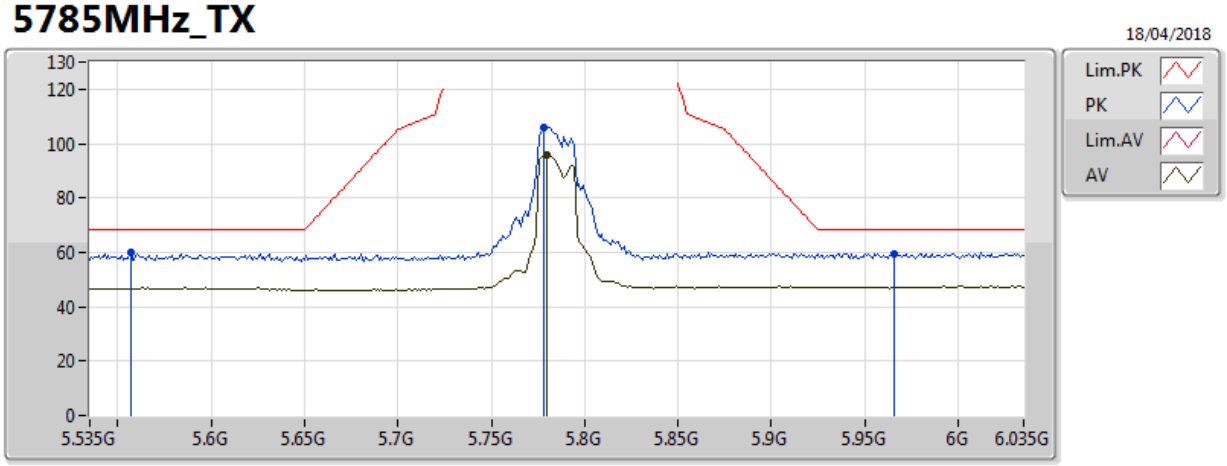


EUT Y_2TX
Setting 19.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.593G	61.90	68.20	-6.30	6.25	3	Vertical	293	1.50	-
PK	5.79G	118.03	Inf	-Inf	7.06	3	Vertical	293	1.50	-
AV	5.79G	108.08	Inf	-Inf	7.06	3	Vertical	293	1.50	-
PK	5.939G	61.22	68.20	-6.98	7.36	3	Vertical	293	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

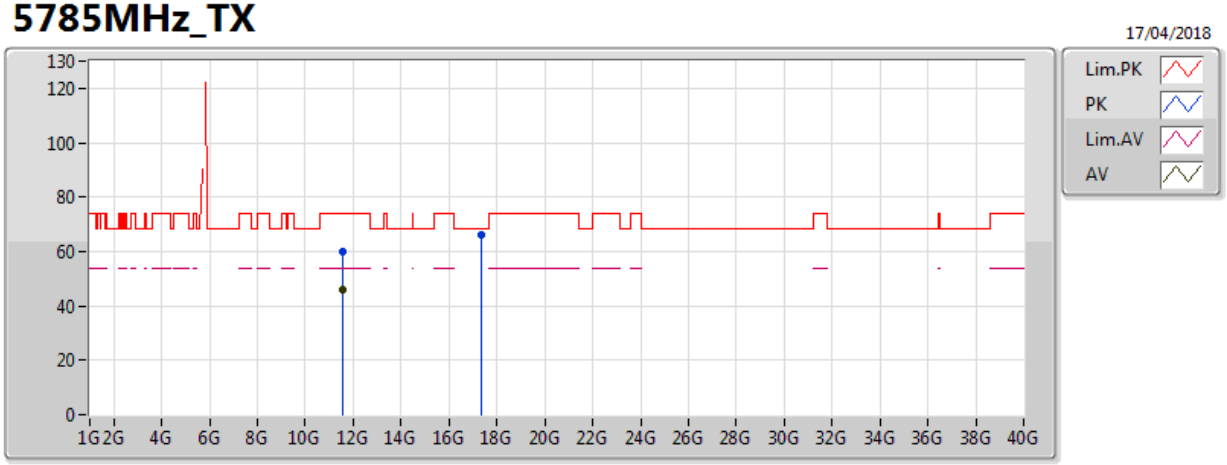


EUT Y_2TX
Setting 19.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.557G	59.73	68.20	-8.47	6.16	3	Horizontal	281	1.60	-
PK	5.778G	105.96	Inf	-Inf	7.01	3	Horizontal	281	1.60	-
AV	5.78G	96.05	Inf	-Inf	7.02	3	Horizontal	281	1.60	-
PK	5.966G	59.61	68.20	-8.59	7.41	3	Horizontal	281	1.60	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX



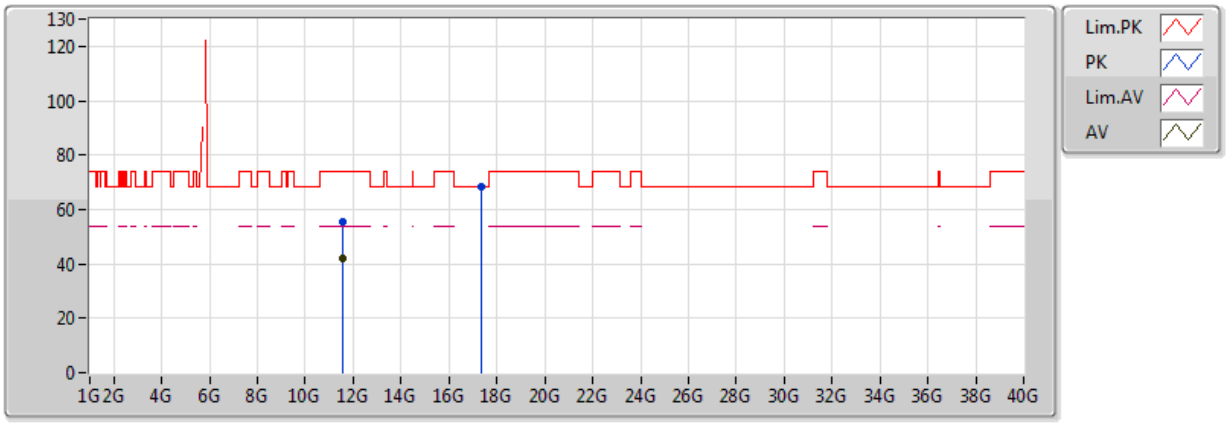
EUT Y_2TX
Setting 19.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5656G	60.18	74.00	-13.82	13.33	3	Vertical	177	1.55	-
AV	11.57G	45.73	54.00	-8.27	13.33	3	Vertical	177	1.55	-
PK	17.34452G	66.10	68.20	-2.10	20.38	3	Vertical	39	1.43	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

17/04/2018

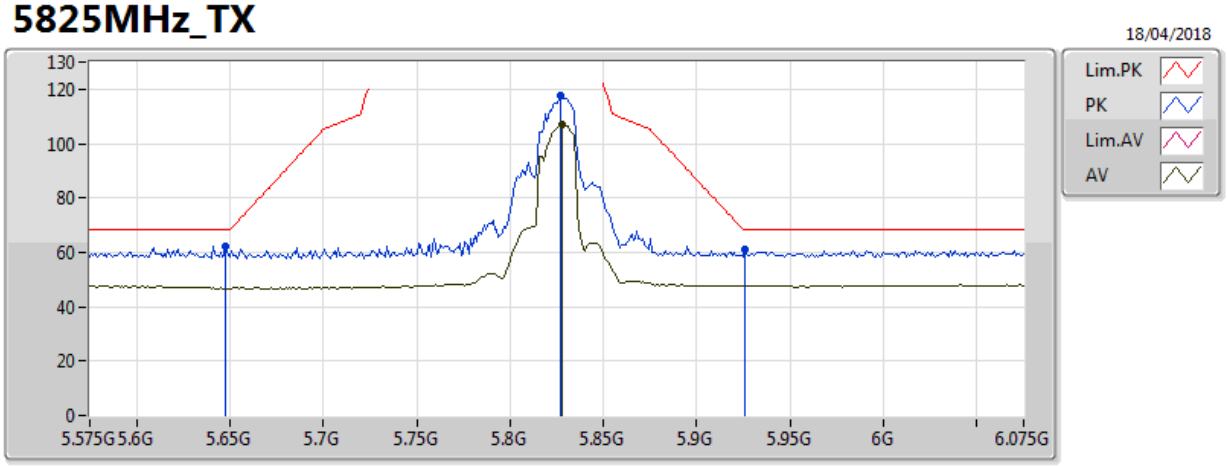


EUT Y_2TX
Setting 19.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57008G	55.51	74.00	-18.49	13.33	3	Horizontal	265	1.50	-
AV	11.56992G	41.96	54.00	-12.04	13.33	3	Horizontal	265	1.50	-
PK	17.3562G	68.16	68.20	-0.04	20.41	3	Horizontal	48	1.97	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

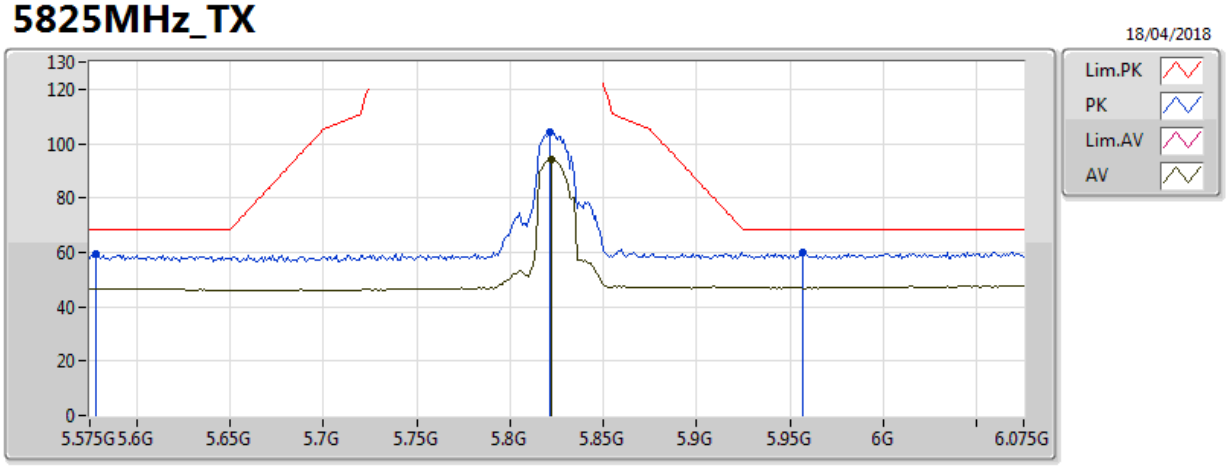


EUT Y_2TX
Setting 18.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.648G	62.43	68.20	-5.77	6.46	3	Vertical	295	1.85	-
PK	5.827G	117.75	Inf	-Inf	7.15	3	Vertical	295	1.85	-
AV	5.828G	107.25	Inf	-Inf	7.15	3	Vertical	295	1.85	-
PK	5.926G	61.19	68.20	-7.01	7.33	3	Vertical	295	1.85	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

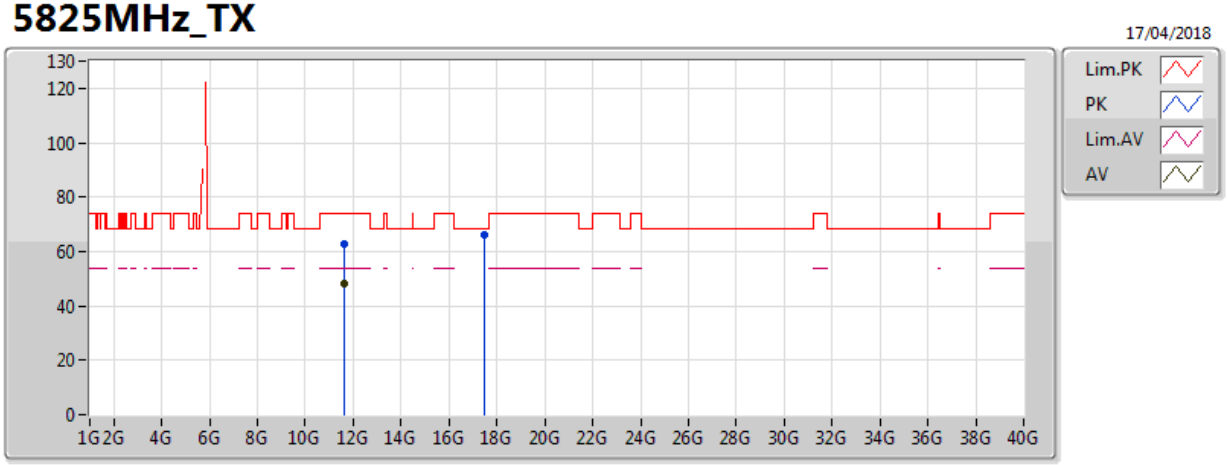


EUT Y_2TX
Setting 18.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.578G	59.14	68.20	-9.06	6.21	3	Horizontal	274	1.50	-
PK	5.821G	104.43	Inf	-Inf	7.14	3	Horizontal	274	1.50	-
AV	5.822G	94.08	Inf	-Inf	7.14	3	Horizontal	274	1.50	-
PK	5.957G	59.83	68.20	-8.37	7.40	3	Horizontal	274	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX



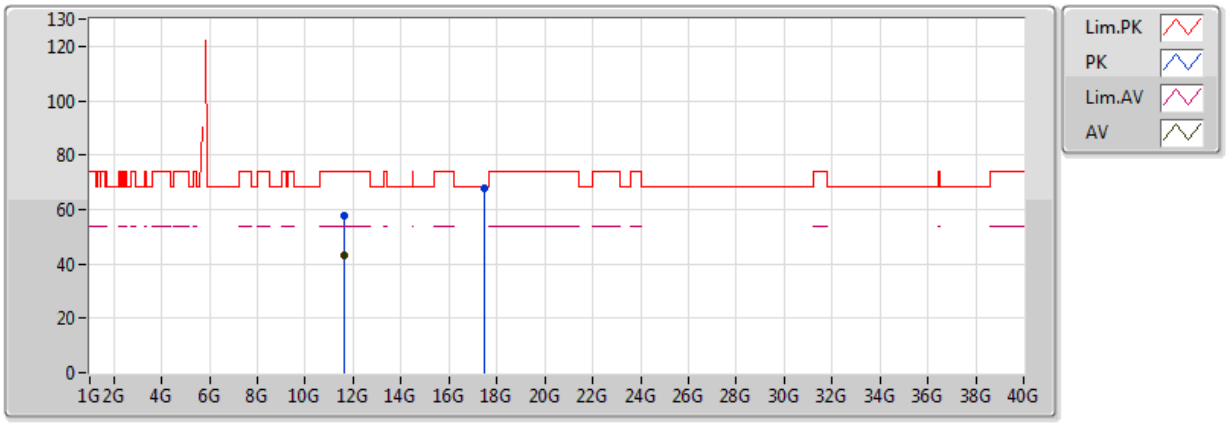
EUT Y_2TX
Setting 18.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65272G	62.85	74.00	-11.15	13.34	3	Vertical	185	1.02	-
AV	11.65G	48.32	54.00	-5.68	13.34	3	Vertical	185	1.02	-
PK	17.473G	66.13	68.20	-2.07	20.70	3	Vertical	33	1.36	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

17/04/2018



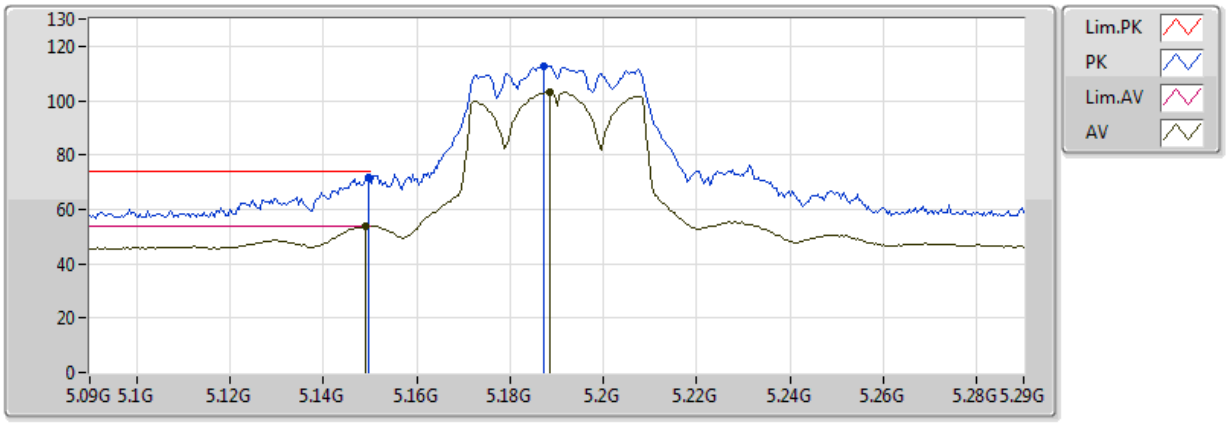
EUT Y_2TX
Setting 18.5
01-S-5
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64936G	57.69	74.00	-16.31	13.34	3	Horizontal	242	2.82	-
AV	11.65008G	43.32	54.00	-10.68	13.34	3	Horizontal	242	2.82	-
PK	17.46476G	67.99	68.20	-0.21	20.68	3	Horizontal	41	2.87	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

17/04/2018

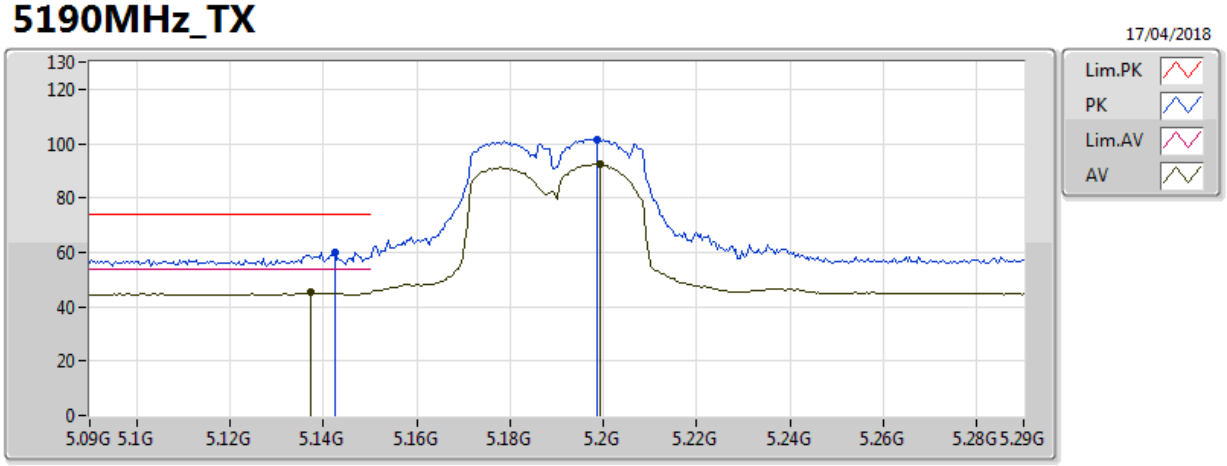


EUT Y_2TX
Setting 18
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1496G	71.49	74.00	-2.51	4.90	3	Vertical	299	1.06	-
AV	5.1492G	53.65	54.00	-0.35	4.90	3	Vertical	299	1.06	-
PK	5.1872G	112.69	Inf	-Inf	4.94	3	Vertical	299	1.06	-
AV	5.1884G	103.35	Inf	-Inf	4.95	3	Vertical	299	1.06	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

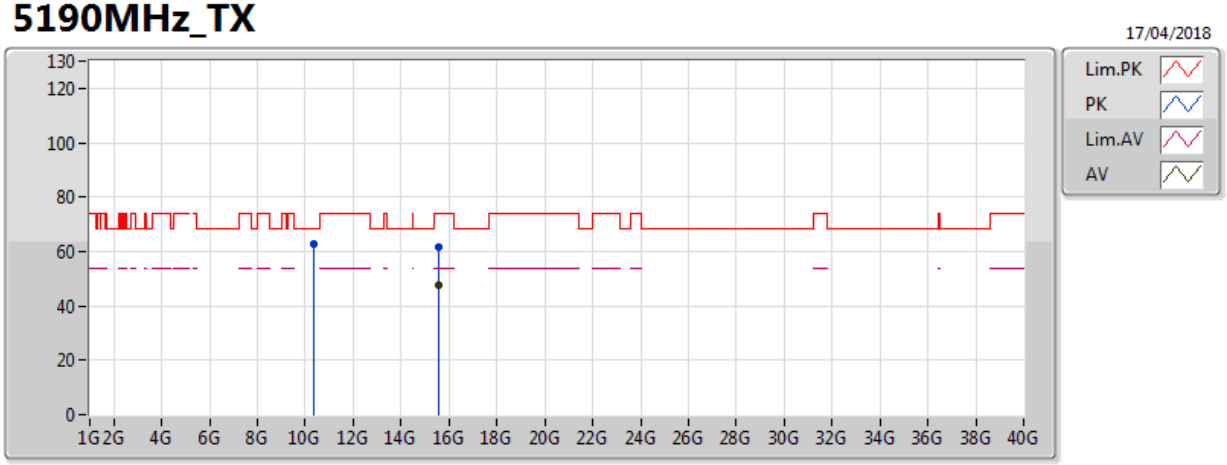


EUT Y_2TX
Setting 18
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1424G	60.23	74.00	-13.77	4.89	3	Horizontal	191	1.66	-
AV	5.1372G	45.12	54.00	-8.88	4.89	3	Horizontal	191	1.66	-
PK	5.1988G	101.68	Inf	-Inf	4.96	3	Horizontal	191	1.66	-
AV	5.1992G	92.38	Inf	-Inf	4.96	3	Horizontal	191	1.66	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

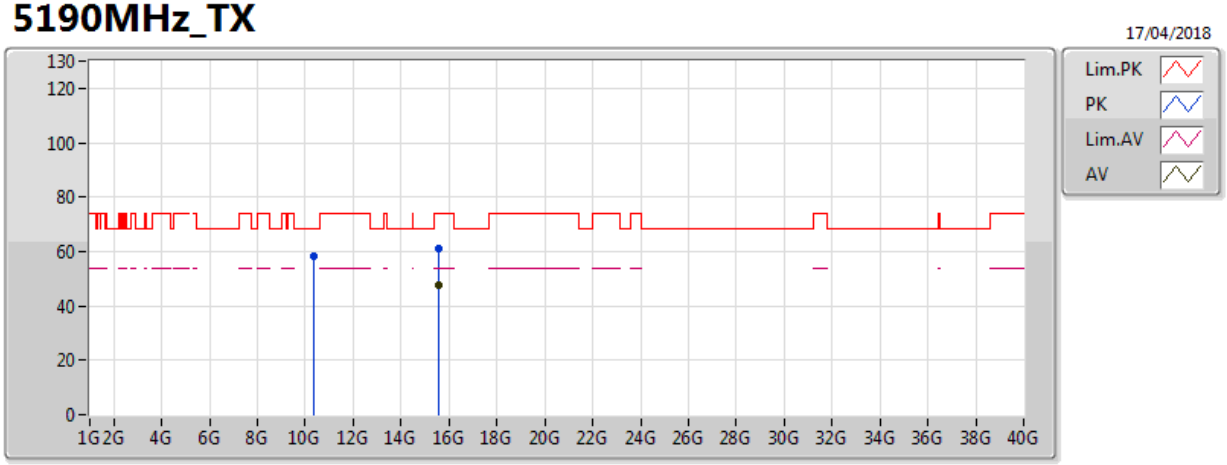


EUT Y_2TX
Setting 18
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3806G	62.99	68.20	-5.21	12.68	3	Vertical	170	1.50	-
PK	15.5628G	61.43	74.00	-12.57	15.90	3	Vertical	332	2.62	-
AV	15.56584G	47.54	54.00	-6.46	15.89	3	Vertical	332	2.62	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

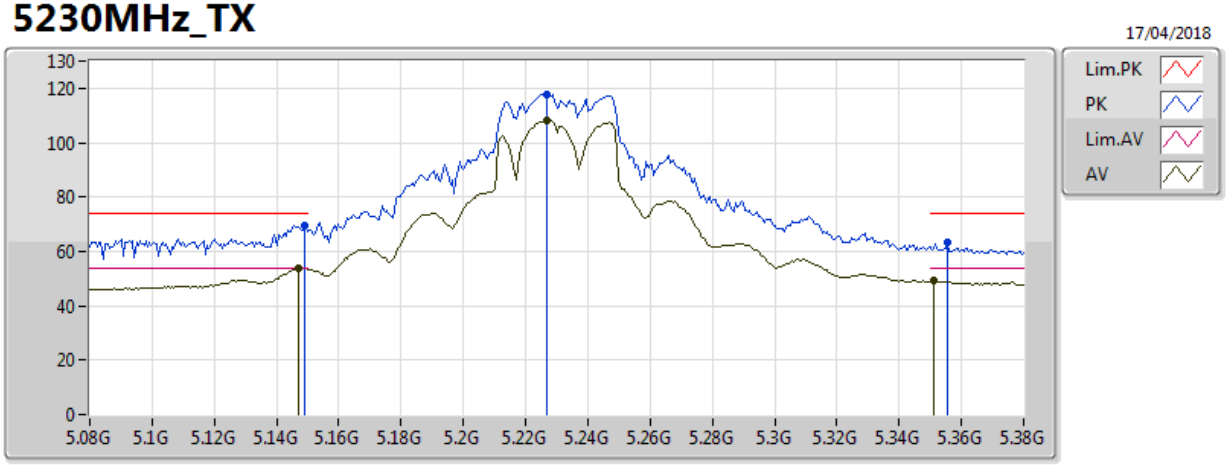


EUT Y_2TX
Setting 18
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.3806G	58.05	68.20	-10.15	12.68	3	Horizontal	57	1.44	-
PK	15.56972G	61.07	74.00	-12.93	15.88	3	Horizontal	300	2.24	-
AV	15.57268G	47.53	54.00	-6.47	15.88	3	Horizontal	300	2.24	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

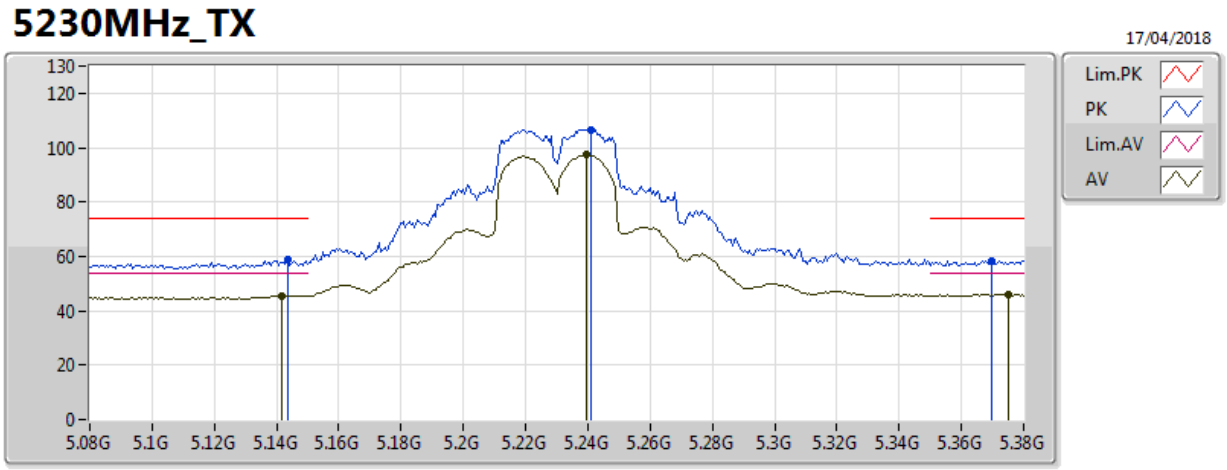


EUT Y_2TX
Setting 22
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.149G	69.50	74.00	-4.50	4.90	3	Vertical	303	1.19	-
AV	5.1472G	53.98	54.00	-0.02	4.90	3	Vertical	303	1.19	-
PK	5.227G	117.83	Inf	-Inf	5.08	3	Vertical	303	1.19	-
AV	5.227G	108.16	Inf	-Inf	5.08	3	Vertical	303	1.19	-
PK	5.3554G	63.06	74.00	-10.94	5.62	3	Vertical	303	1.19	-
AV	5.3512G	49.11	54.00	-4.89	5.60	3	Vertical	303	1.19	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

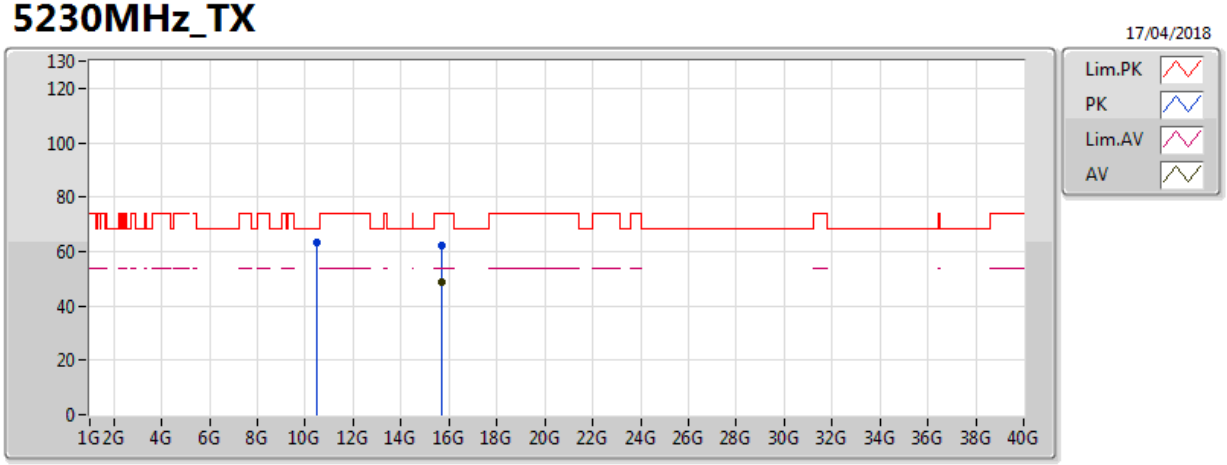


EUT Y_2TX
Setting 22
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1436G	58.65	74.00	-15.35	4.89	3	Horizontal	192	1.65	-
AV	5.1418G	45.65	54.00	-8.35	4.89	3	Horizontal	192	1.65	-
PK	5.2408G	106.67	Inf	-Inf	5.14	3	Horizontal	192	1.65	-
AV	5.2396G	97.33	Inf	-Inf	5.14	3	Horizontal	192	1.65	-
PK	5.3698G	58.16	74.00	-15.84	5.67	3	Horizontal	192	1.65	-
AV	5.3752G	45.96	54.00	-8.04	5.70	3	Horizontal	192	1.65	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

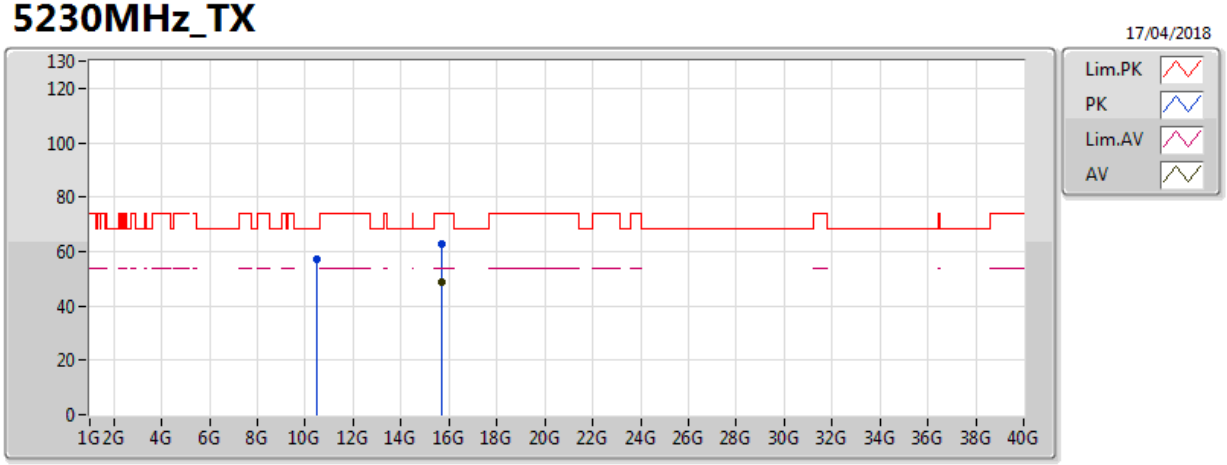


EUT Y_2TX
Setting 22
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.45916G	63.07	68.20	-5.13	12.76	3	Vertical	170	1.50	-
PK	15.67848G	62.18	74.00	-11.82	15.71	3	Vertical	192	1.66	-
AV	15.67992G	48.67	54.00	-5.33	15.71	3	Vertical	192	1.66	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

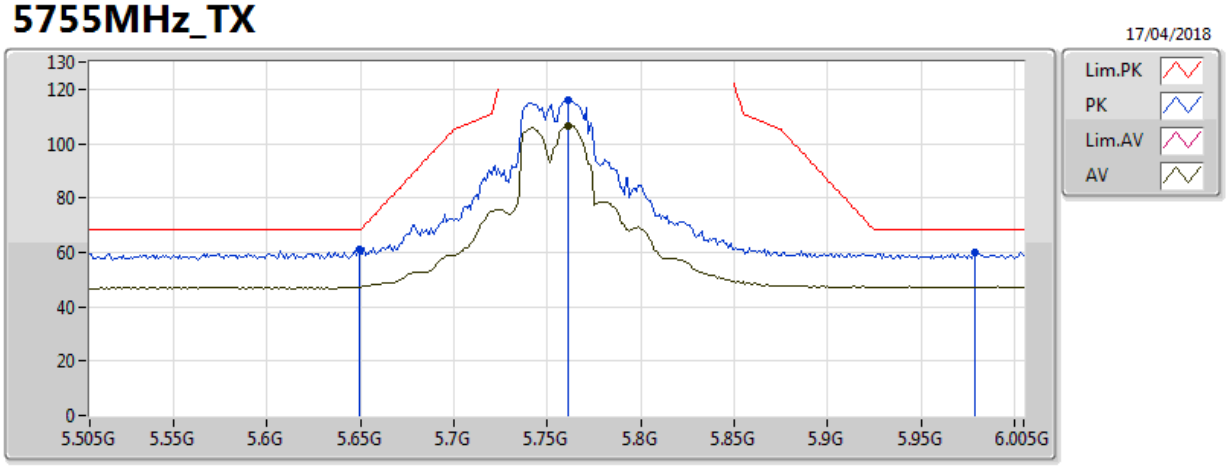


EUT Y_2TX
Setting 22
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.45634G	57.10	68.20	-11.10	12.75	3	Horizontal	246	2.16	-
PK	15.6804G	62.98	74.00	-11.02	15.71	3	Horizontal	200	1.95	-
AV	15.68034G	48.65	54.00	-5.35	15.71	3	Horizontal	200	1.95	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

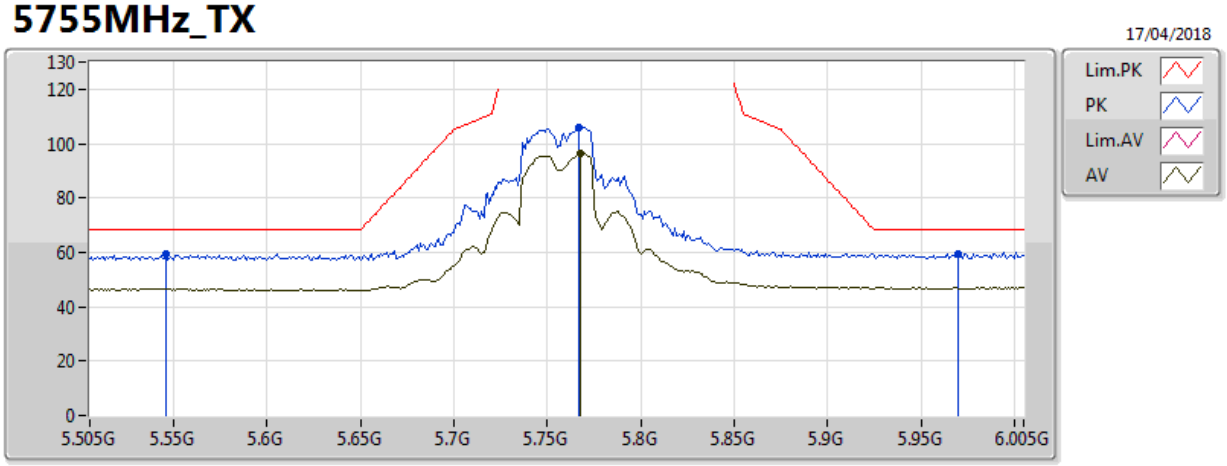


EUT Y_2TX
Setting 20.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.649G	60.83	68.20	-7.37	6.47	3	Vertical	295	1.28	-
PK	5.761G	115.85	Inf	-Inf	6.94	3	Vertical	295	1.28	-
AV	5.761G	106.63	Inf	-Inf	6.94	3	Vertical	295	1.28	-
PK	5.979G	59.75	68.20	-8.45	7.43	3	Vertical	295	1.28	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

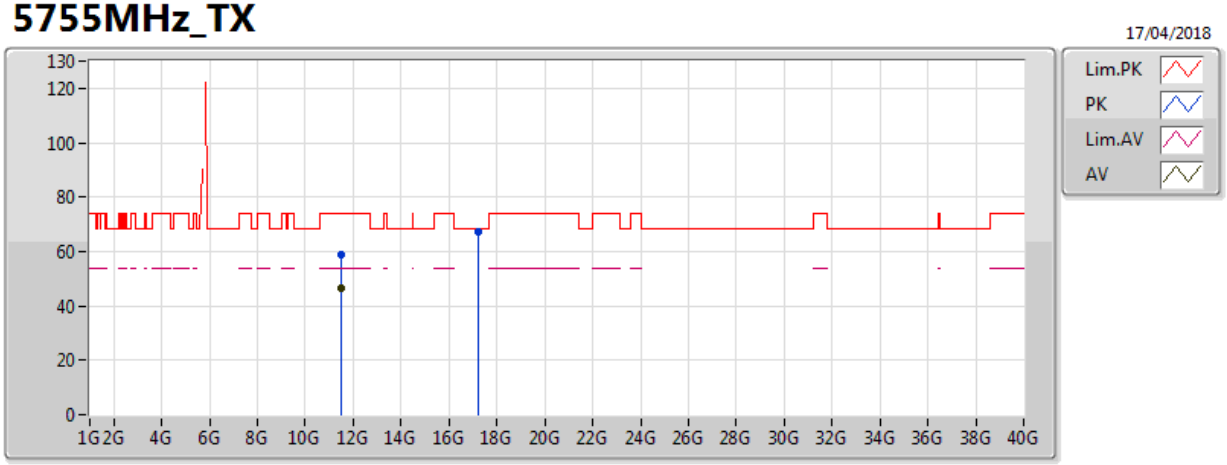


EUT Y_2TX
Setting 20.5
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.546G	59.21	68.20	-8.99	6.12	3	Horizontal	280	1.61	-
PK	5.767G	106.11	Inf	-Inf	6.96	3	Horizontal	280	1.61	-
AV	5.768G	96.32	Inf	-Inf	6.97	3	Horizontal	280	1.61	-
PK	5.97G	59.58	68.20	-8.62	7.43	3	Horizontal	280	1.61	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX



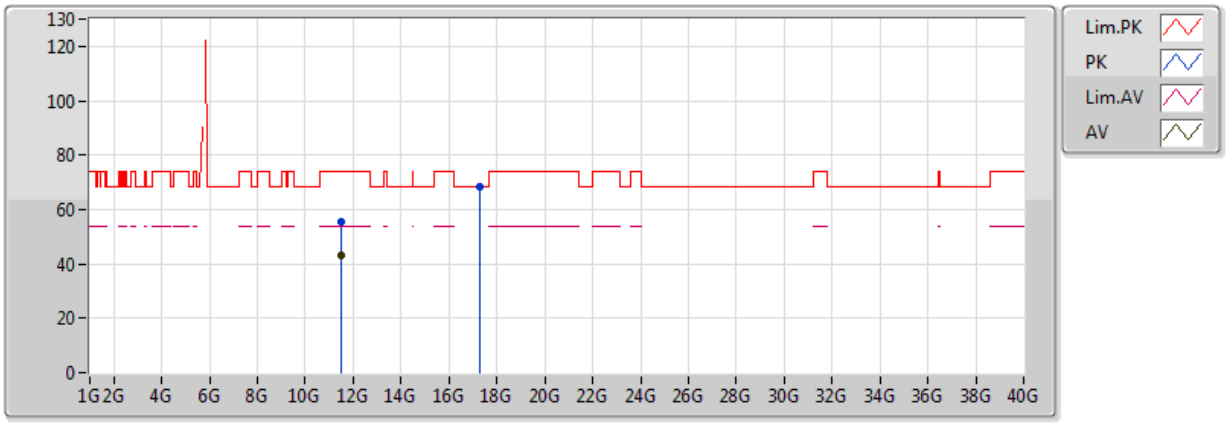
EUT Y_2TX
Setting 20.5
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51018G	58.87	74.00	-15.13	13.33	3	Vertical	158	1.47	-
AV	11.50988G	46.62	54.00	-7.38	13.33	3	Vertical	158	1.47	-
PK	17.25306G	67.28	68.20	-0.92	20.15	3	Vertical	39	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

17/04/2018

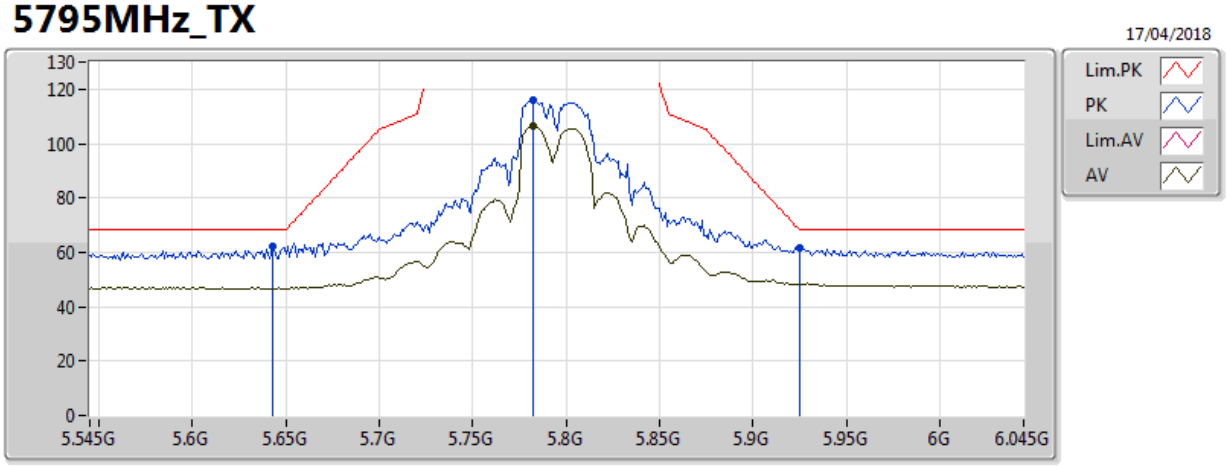


EUT Y_2TX
Setting 20.5
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51018G	55.65	74.00	-18.35	13.33	3	Horizontal	274	1.43	-
AV	11.50988G	43.05	54.00	-10.95	13.33	3	Horizontal	274	1.43	-
PK	17.25936G	68.19	68.20	-0.01	20.17	3	Horizontal	44	2.91	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

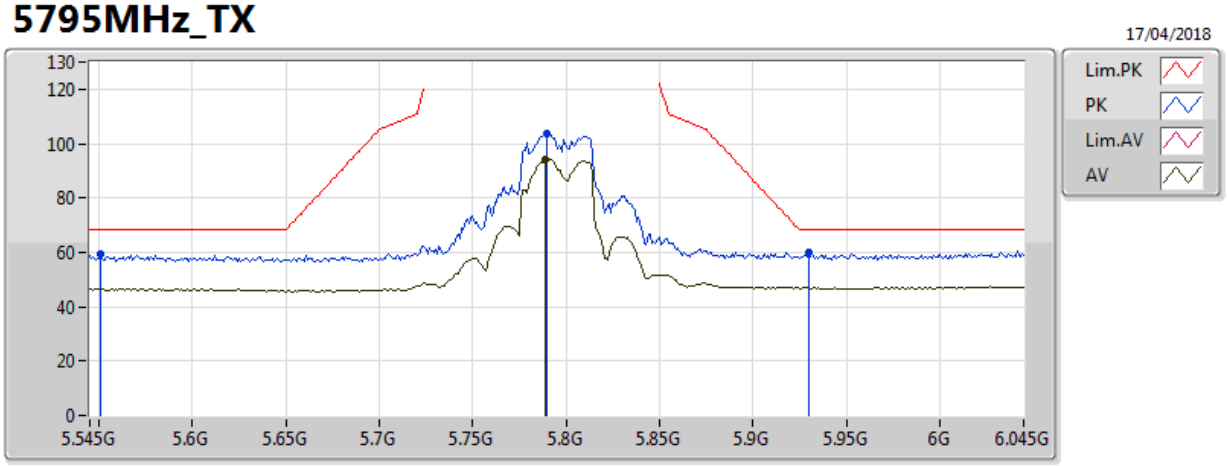


EUT Y_2TX
Setting 21
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.643G	62.11	68.20	-6.09	6.44	3	Vertical	290	1.47	-
PK	5.782G	115.88	Inf	-Inf	7.02	3	Vertical	290	1.47	-
AV	5.782G	106.41	Inf	-Inf	7.02	3	Vertical	290	1.47	-
PK	5.924994G	61.47	68.20	-6.73	7.34	3	Vertical	290	1.47	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

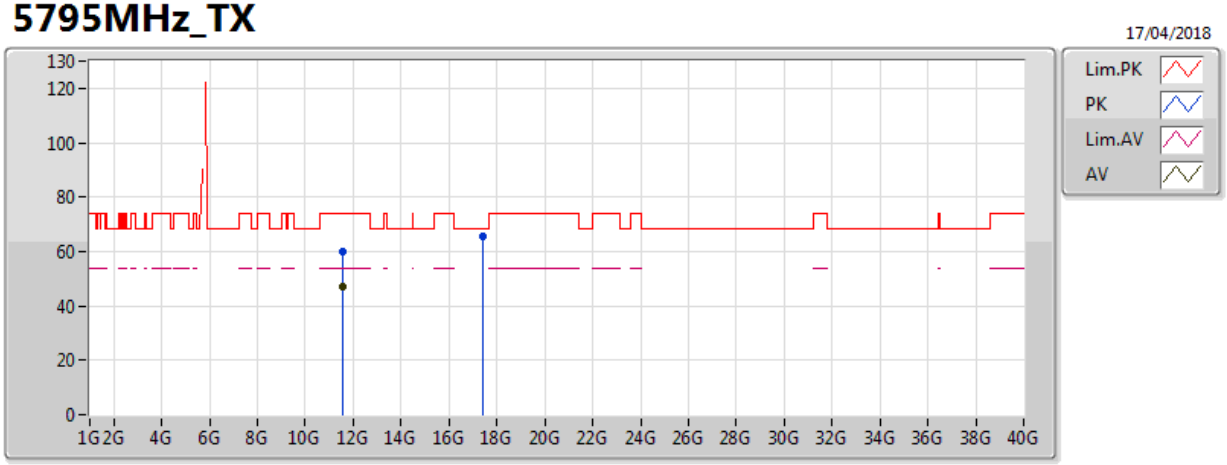


EUT Y_2TX
Setting 21
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.551G	59.35	68.20	-8.85	6.14	3	Horizontal	278	1.50	-
PK	5.79G	103.89	Inf	-Inf	7.06	3	Horizontal	278	1.50	-
AV	5.789G	94.02	Inf	-Inf	7.05	3	Horizontal	278	1.50	-
PK	5.93G	59.79	68.20	-8.41	7.34	3	Horizontal	278	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

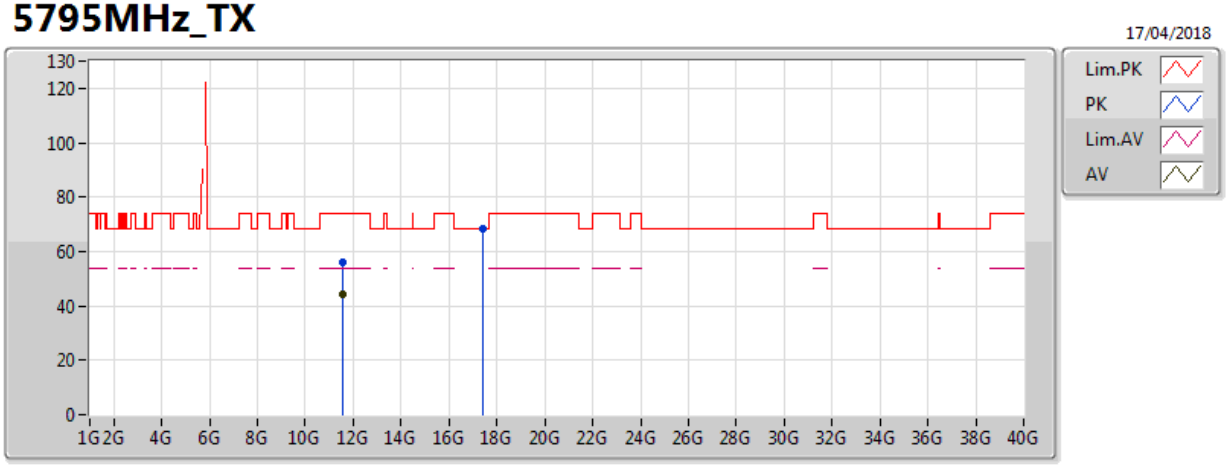


EUT Y_2TX
Setting 21
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58928G	59.91	74.00	-14.09	13.33	3	Vertical	179	1.61	-
AV	11.59G	47.19	54.00	-6.81	13.33	3	Vertical	179	1.61	-
PK	17.38284G	65.80	68.20	-2.40	20.48	3	Vertical	38	1.48	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

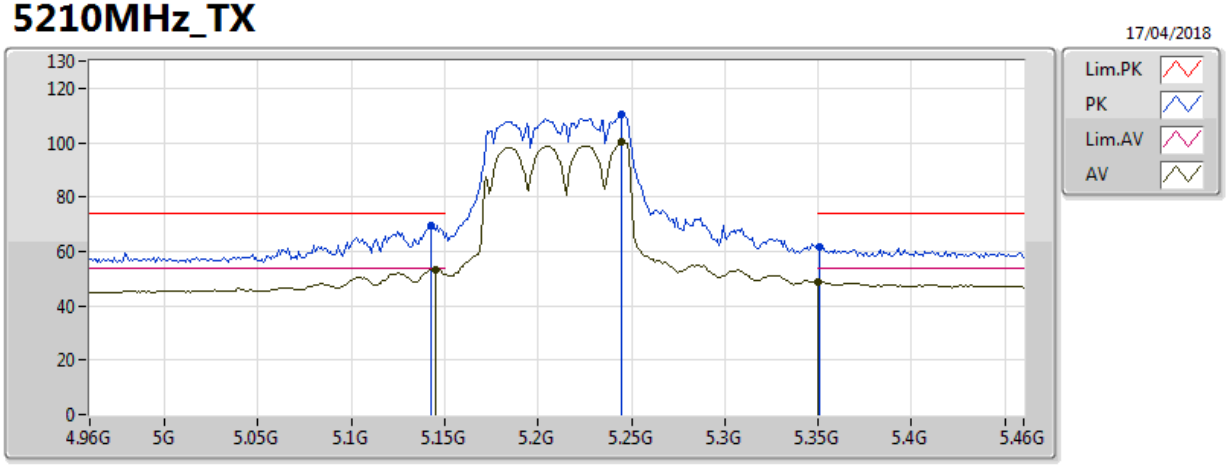


EUT Y_2TX
Setting 21
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58988G	56.15	74.00	-17.85	13.33	3	Horizontal	260	1.25	-
AV	11.58994G	44.31	54.00	-9.69	13.33	3	Horizontal	260	1.25	-
PK	17.39358G	68.13	68.20	-0.07	20.50	3	Horizontal	41	2.89	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

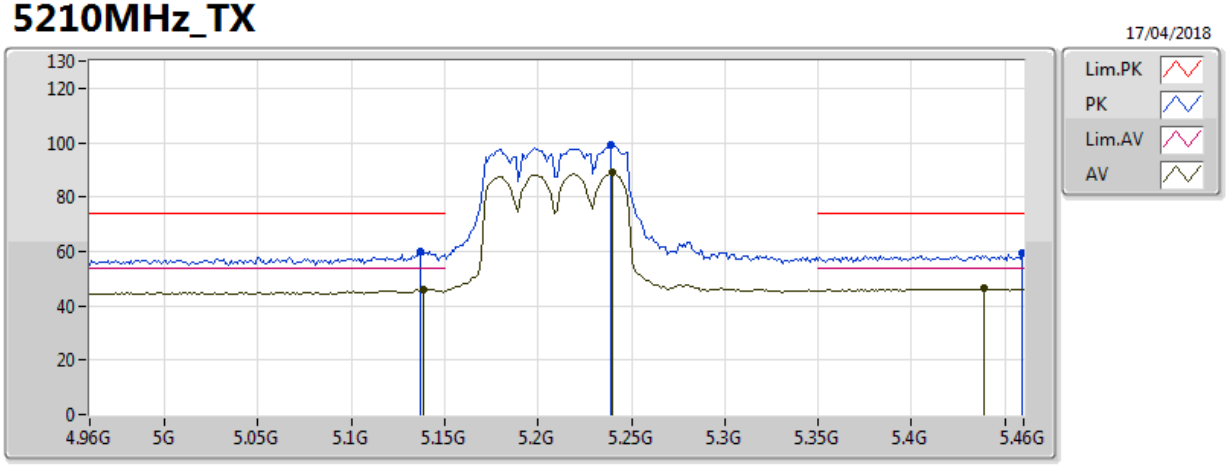


EUT Y_2TX
Setting 18
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.143G	69.42	74.00	-4.58	4.89	3	Vertical	302	1.54	-
AV	5.145G	53.51	54.00	-0.49	4.89	3	Vertical	302	1.54	-
PK	5.245G	110.15	Inf	-Inf	5.16	3	Vertical	302	1.54	-
AV	5.245G	100.21	Inf	-Inf	5.16	3	Vertical	302	1.54	-
PK	5.351G	61.66	74.00	-12.34	5.60	3	Vertical	302	1.54	-
AV	5.350005G	48.95	54.00	-5.05	5.60	3	Vertical	302	1.54	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX



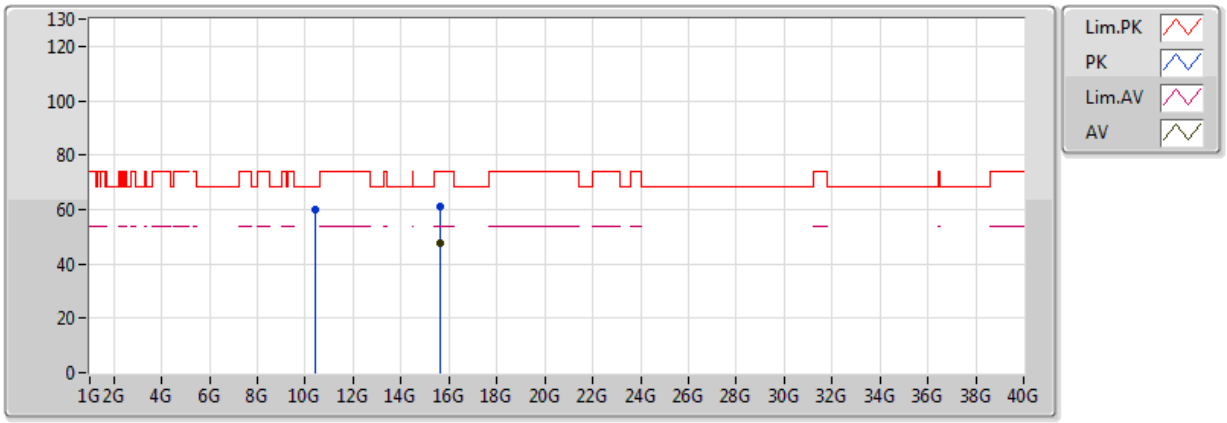
EUT Y_2TX
Setting 18
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.137G	59.99	74.00	-14.01	4.89	3	Horizontal	191	1.57	-
AV	5.139G	46.07	54.00	-7.93	4.88	3	Horizontal	191	1.57	-
PK	5.239G	98.95	Inf	-Inf	5.14	3	Horizontal	191	1.57	-
AV	5.24G	88.88	Inf	-Inf	5.14	3	Horizontal	191	1.57	-
PK	5.459G	59.50	74.00	-14.50	5.91	3	Horizontal	191	1.57	-
AV	5.439G	46.23	54.00	-7.77	5.87	3	Horizontal	191	1.57	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

17/04/2018



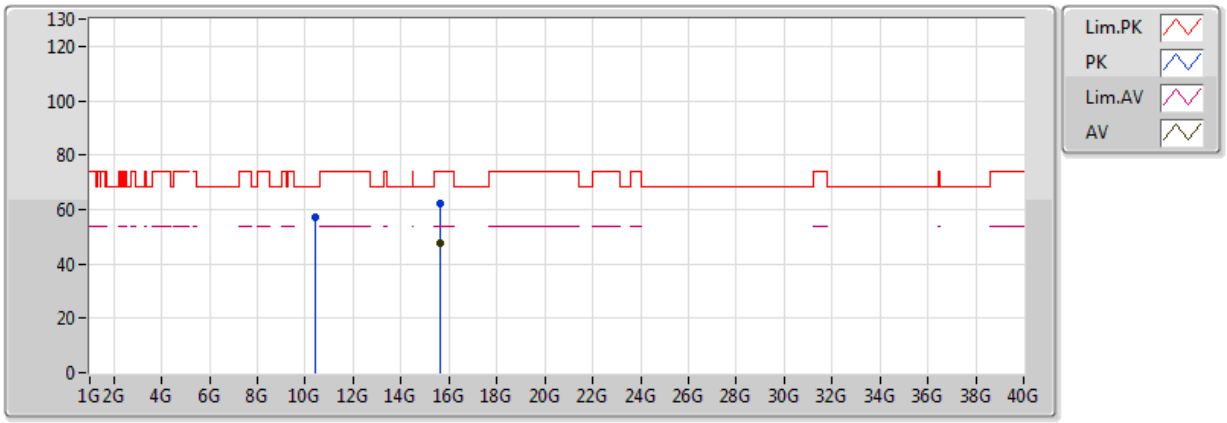
EUT Y_2TX
Setting 18
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.42054G	59.92	68.20	-8.28	12.72	3	Vertical	170	1.50	-
PK	15.62034G	60.94	74.00	-13.06	15.80	3	Vertical	272	2.43	-
AV	15.63132G	47.59	54.00	-6.41	15.79	3	Vertical	272	2.43	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

17/04/2018

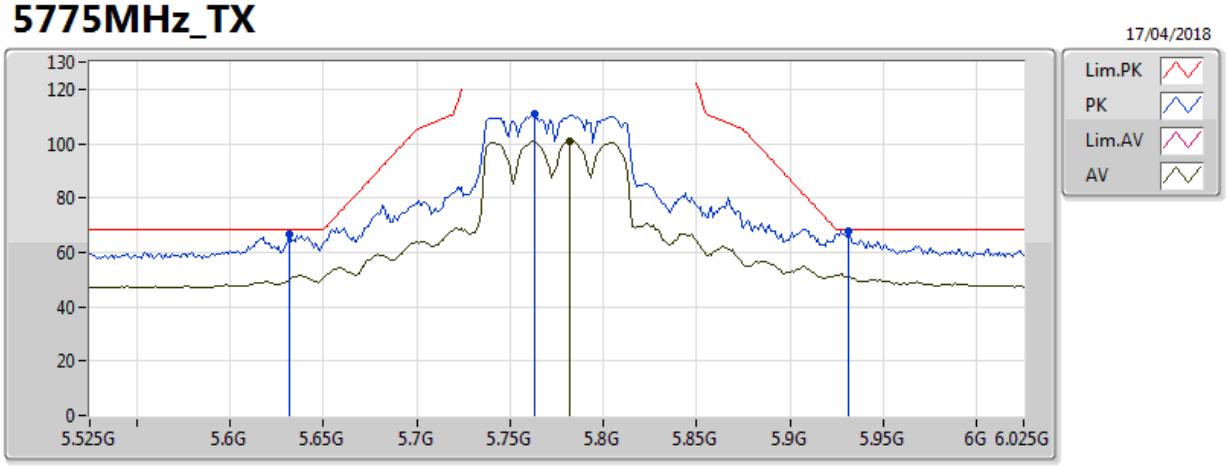


EUT Y_2TX
Setting 18
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.41874G	57.16	68.20	-11.04	12.72	3	Horizontal	56	1.45	-
PK	15.64146G	62.00	74.00	-12.00	15.77	3	Horizontal	343	2.84	-
AV	15.63042G	47.49	54.00	-6.51	15.79	3	Horizontal	343	2.84	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

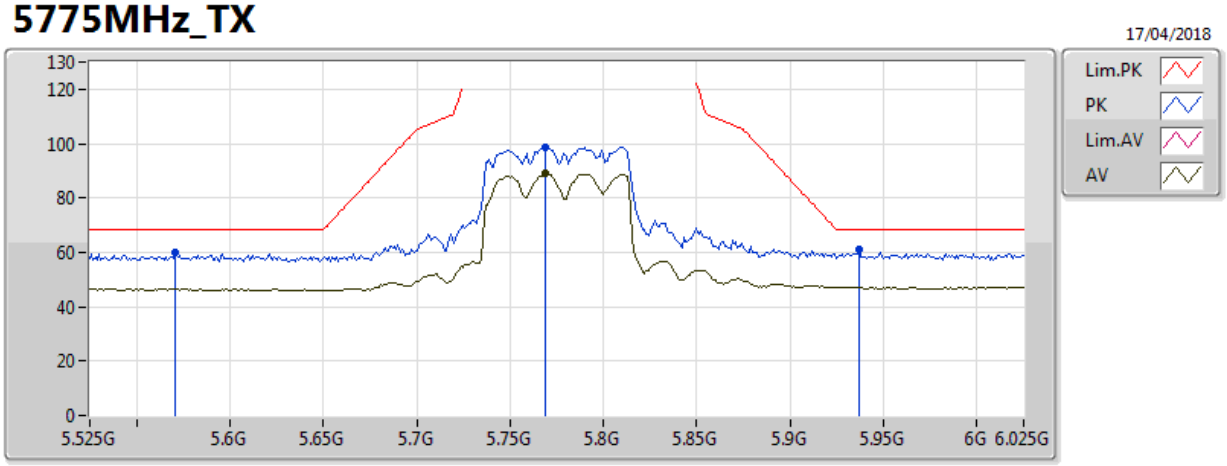


EUT Y_2TX
Setting 19
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.632G	66.45	68.20	-1.75	6.40	3	Vertical	289	1.50	-
PK	5.763G	110.75	Inf	-Inf	6.94	3	Vertical	289	1.50	-
AV	5.782G	100.81	Inf	-Inf	7.02	3	Vertical	289	1.50	-
PK	5.931G	67.88	68.20	-0.32	7.35	3	Vertical	289	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



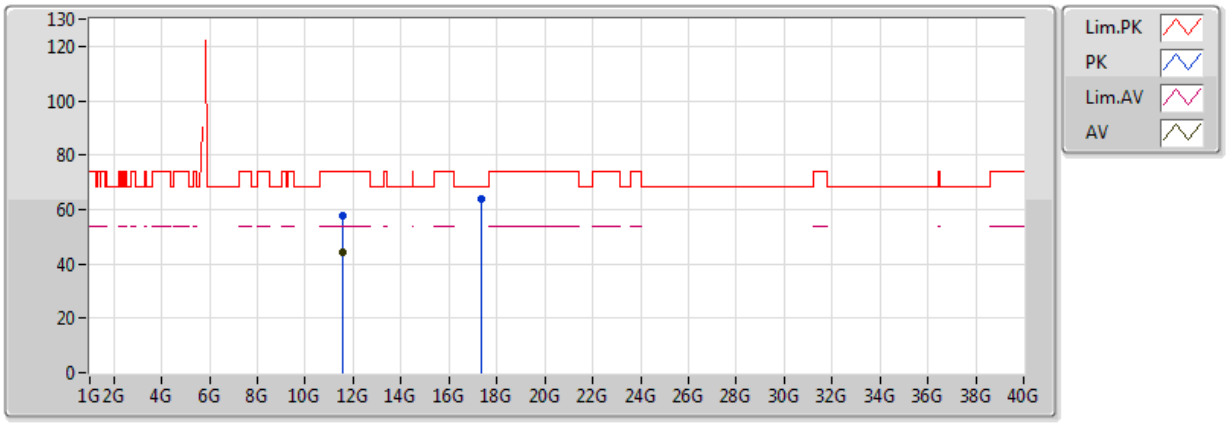
EUT Y_2TX
Setting 19
01-G-2-10
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.571G	59.80	68.20	-8.40	6.20	3	Horizontal	282	1.51	-
PK	5.769G	98.63	Inf	-Inf	6.97	3	Horizontal	282	1.51	-
AV	5.769G	88.88	Inf	-Inf	6.97	3	Horizontal	282	1.51	-
PK	5.937G	61.18	68.20	-7.02	7.35	3	Horizontal	282	1.51	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

17/04/2018



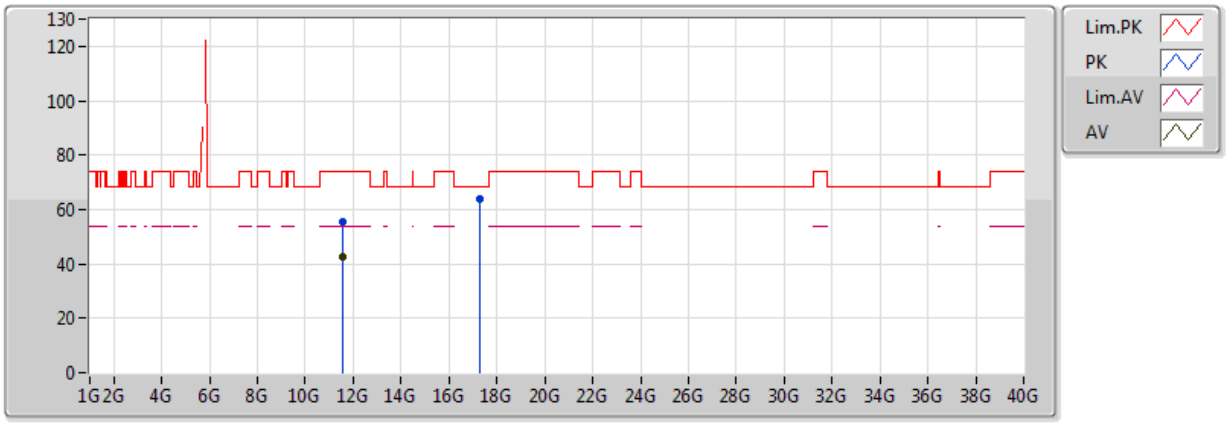
EUT Y_2TX
Setting 19
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.55018G	57.83	74.00	-16.17	13.33	3	Vertical	179	1.50	-
AV	11.54982G	44.03	54.00	-9.97	13.33	3	Vertical	179	1.50	-
PK	17.3241G	63.71	68.20	-4.49	20.33	3	Vertical	203	1.07	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

17/04/2018



EUT Y_2TX
Setting 19
01-G-2
FSP 100056

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.53734G	55.62	74.00	-18.38	13.33	3	Horizontal	263	1.30	-
AV	11.55012G	42.52	54.00	-11.48	13.33	3	Horizontal	263	1.30	-
PK	17.31102G	63.95	68.20	-4.25	20.30	3	Horizontal	223	1.50	-