

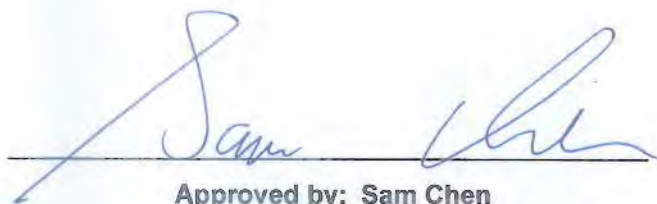


RADIO TEST REPORT

FCC ID : 2AQ68W6RT2230
Equipment : Outdoor Wireless Gateway
Brand Name : Hon Lin
Model Name : W6R-T223-001,W6B-T223-001,W6S-T223-001
Applicant : Hon Lin Technology Co., Ltd.
11F, No.32, Jihu Rd., Neihu Dist., Taipei City Taiwan
Manufacturer : Hon Lin Technology Co., Ltd.
11F, No.32, Jihu Rd., Neihu Dist., Taipei City Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 10, 2021, and testing was started from Aug. 12, 2021 and completed on Oct. 06, 2021. We, Sporton International Inc. Hsinchu 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 test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_1 Ver1.4



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	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Output Power	PASS	-
3.3	15.407(a)	Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Wendy Pan

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), ax (HEW20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5690	106-138 [3]
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	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW20-BF	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 VHT40-BF	40	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2TX
5.25-5.35GHz	802.11a	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX



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	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW20-BF	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 VHT40-BF	40	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2TX
5.25-5.35GHz	802.11ac VHT20-BF	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW20-BF	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT40-BF	40	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ax HEW40-BF	40	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX
5.25-5.35GHz	802.11ax HEW80-BF	80	2TX
5.47-5.725GHz	802.11a	20	3TX
5.47-5.725GHz	802.11n HT20	20	3TX
5.47-5.725GHz	802.11ac VHT20	20	3TX
5.47-5.725GHz	802.11ac VHT20-BF	20	3TX
5.47-5.725GHz	802.11ax HEW20	20	3TX
5.47-5.725GHz	802.11ax HEW20-BF	20	3TX
5.47-5.725GHz	802.11n HT40	40	3TX
5.47-5.725GHz	802.11ac VHT40	40	3TX
5.47-5.725GHz	802.11ac VHT40-BF	40	3TX
5.47-5.725GHz	802.11ax HEW40	40	3TX
5.47-5.725GHz	802.11ax HEW40-BF	40	3TX
5.47-5.725GHz	802.11ac VHT80-BF	80	3TX
5.47-5.725GHz	802.11ax HEW80	80	3TX
5.47-5.725GHz	802.11ax HEW80-BF	80	3TX



5.725-5.85GHz	802.11a	20	3TX
5.725-5.85GHz	802.11n HT20	20	3TX
5.725-5.85GHz	802.11ac VHT20	20	3TX
5.725-5.85GHz	802.11ac VHT20-BF	20	3TX
5.725-5.85GHz	802.11ax HEW20	20	3TX
5.725-5.85GHz	802.11ax HEW20-BF	20	3TX
5.725-5.85GHz	802.11n HT40	40	3TX
5.725-5.85GHz	802.11ac VHT40	40	3TX
5.725-5.85GHz	802.11ac VHT40-BF	40	3TX
5.725-5.85GHz	802.11ax HEW40	40	3TX
5.725-5.85GHz	802.11ax HEW40-BF	40	3TX
5.725-5.85GHz	802.11ac VHT80	80	3TX
5.725-5.85GHz	802.11ac VHT80-BF	80	3TX
5.725-5.85GHz	802.11ax HEW80	80	3TX
5.725-5.85GHz	802.11ax HEW80-BF	80	3TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Set	Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
		2.4GHz	5GHz (UNII 1, UNII 2A)	5GHz (UNII 2C, UNII 3)					
1	1	1	1	-	Shenzhen AotianChuangke	AMXF-2458-5	Omnidirectional	N Type	Note 1
	2	2	2	-	Shenzhen AotianChuangke	AMXF-2458-5	Omnidirectional	N Type	
2	3	-	-	1	Shenzhen AotianChuangke	ATCK-5800-8	Omnidirectional	N Type	
	4	-	-	2	Shenzhen AotianChuangke	ATCK-5800-8	Omnidirectional	N Type	
	5	-	-	3	Shenzhen AotianChuangke	ATCK-5800-8	Omnidirectional	N Type	
3	1	1	1	-	M.gear	C407-690902-A	Omnidirectional	N Type	
	2	2	2	-	M.gear	C407-690902-A	Omnidirectional	N Type	
4	3	-	-	1	M.gear	C407-690851-A	Omnidirectional	N Type	
	4	-	-	2	M.gear	C407-690851-A	Omnidirectional	N Type	
	5	-	-	3	M.gear	C407-690851-A	Omnidirectional	N Type	
5	1	1	1	-	INPAQ	DAM-E9-C-N0-000-50-03	Omnidirectional	N Type	
	2	2	2	-	INPAQ	DAM-E9-C-N0-000-50-03	Omnidirectional	N Type	
6	3	-	-	1	INPAQ	DAM-E9-A-N0-000-50-03	Omnidirectional	N Type	
	4	-	-	2	INPAQ	DAM-E9-A-N0-000-50-03	Omnidirectional	N Type	
	5	-	-	3	INPAQ	DAM-E9-A-N0-000-50-03	Omnidirectional	N Type	
7	1	1	1	-	M.gear	C107-691992-A	Omnidirectional	N Type	
	2	2	2	-	M.gear	C107-691992-A	Omnidirectional	N Type	
8	3	-	-	1	M.gear	C107-691991-A	Omnidirectional	N Type	
	4	-	-	2	M.gear	C107-691991-A	Omnidirectional	N Type	
	5	-	-	3	M.gear	C107-691991-A	Omnidirectional	N Type	



Note 1:

Set	Ant.	Gain (dBi)			Cable Loss	Gain (dBi)		
		2.4GHz	5GHz (UNII 1, UNII 2A)	5GHz (UNII 2C, UNII 3)		2.4GHz	5GHz (UNII 1, UNII 2A)	5GHz (UNII 2C, UNII 3)
1	1	6	6	-	0.5	5.5	5.5	-
	2	6	6	-	0.5	5.5	5.5	-
2	3	-	-	8	0.5	-	-	7.5
	4	-	-	8	0.5	-	-	7.5
	5	-	-	8	0.5	-	-	7.5
3	1	3.5	6	-	0.5	3	5.5	-
	2	3.5	6	-	0.5	3	5.5	-
4	3	-	-	7	0.5	-	-	6.5
	4	-	-	7	0.5	-	-	6.5
	5	-	-	7	0.5	-	-	6.5
5	1	5.85	6	-	0.5	5.35	5.5	-
	2	5.85	6	-	0.5	5.35	5.5	-
6	3	-	-	7.15	0.5	-	-	6.65
	4	-	-	7.15	0.5	-	-	6.65
	5	-	-	7.15	0.5	-	-	6.65
7	1	5.64	6	-	0.5	5.14	5.5	-
	2	5.64	6	-	0.5	5.14	5.5	-
8	3	-	-	7	0.5	-	-	6.5
	4	-	-	7	0.5	-	-	6.5
	5	-	-	7	0.5	-	-	6.5

Note 2: The above information was declared by manufacturer.

Note 3: Antenna set 1, 3, 5 and 7 are the same type of antennas, antenna set 1 has the higher gain than set 3, 5 and 7 so antenna set 1 is chosen to test for WLAN 2.4GHz, WLAN 5GHz UNII 1 and UNII 2A.

Antenna set 2, 4, 6 and 8 are the same type of antennas, antenna set 2 has the higher gain than set 4, so antenna set 2, 6 and 8 is chosen to test for WLAN 5GHz UNII 2C and UNII 3.

For 2.4GHz function:

For IEEE 802.11b/g/n/VHT/ax (2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

UNII 1 ~ UNII 2A

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

UNII 2C ~ UNII 3

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

Port 1, Port 2 and Port 3 can be used as transmitting/receiving antenna.

Port 1, Port 2 and Port 3 could transmit/receive simultaneously.

Note 4: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$	$Directional\ IGain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{ss}} \left\{ \sum_{k=1}^{N_{ANT}} g_{i,k} \right\}^2}{N_{ANT}} \right]$
BF	$Directional\ IGain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{ss}} \left\{ \sum_{k=1}^{N_{ANT}} g_{i,k} \right\}^2}{N_{ANT}} \right]$	$Directional\ IGain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{ss}} \left\{ \sum_{k=1}^{N_{ANT}} g_{i,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$Directional\ IGain = 10 \cdot \log \left[\frac{\sum_{i=1}^{N_{ss}} \left\{ \sum_{k=1}^{N_{ANT}} g_{i,k} \right\}^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

G1 = Ant 1 Gain ; G2 = Ant 2 Gain ; G3 = Ant 3 Gain ; G4 = Ant 4 Gain ;

5 GHz U-NII-2A DG = 5.51 dBi

5 GHz U-NII-2C DG = 12.27 dBi

5 GHz U-NII-3 DG = 12.27 dBi

1.1.3 Mode Test Duty Cycle

UNII 2A

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.947	0.24	2.065m	1k
802.11ax HEW20	0.979	0.09	1.489m	1k
802.11ax HEW40	0.964	0.16	781.25u	3k
802.11ax HEW80	0.93	0.32	413.75u	3k

UNII 2C

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.957	0.19	2.064m	1k
802.11ax HEW20	0.975	0.11	1.488m	1k
802.11ax HEW40	0.963	0.16	780.625u	3k
802.11ax HEW80	0.93	0.32	413.75u	3k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for VHT/ax in 2.4GHz and ac/ax in 5GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☒	Outdoor P2M	☐	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	Mtool V3.2.1.2			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The difference for each model name is shown as below:

Model Name	Support Function
W6R-T223-001	AP
W6B-T223-001	Mesh AP
W6S-T223-001	Mesh AP-satelite

Note 1: From the above models, model: W6R-T223-001 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.6 EUT Supports Type

The EUT supports AP, Mesh AP, Mesh AP-satelite functions.

1.1.7 Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR0D3031AB

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

Modifications	Performance Checking
1. Adding 5GHz UNII 2A and UNII 2C (5250~5350 MHz, 5470~5725 MHz) for this device.	1. Emission Bandwidth 2. Maximum Output Power 3. Power Spectral Density 4. Unwanted Emissions above 1GHz
2. Adding set 5 ~ 8 antenna.	After evaluating, it is necessary to test Maximum Output Power (elevation angle above 30 degrees) for UNII 1 with antenna set 5 and set 7.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

Testing Location Information				
Test Lab. : Sporton International Inc. Hsinchu Laboratory				
Hsinchu ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)				
(TAF: 3787) TEL: 886-3-656-9065 FAX: 886-3-656-9085				
Test site Designation No. TW3787 with FCC.				
Conformity Assessment Body Identifier (CABID) TW3787 with ISCED.				

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Lee	21.9~23.5 / 58~61	Aug. 12, 2021 ~ Oct. 06, 2021
Radiated	03CH02-CB	RJ Huang	24.6-25.7 / 55-58	Aug. 12, 2021 ~ Oct. 04, 2021
	03CH01-CB		23.9-26.1 / 55-58	

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
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

<Non-beamforming mode>

UNII 2A

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	74
5300MHz	73
5320MHz	73
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	76
5300MHz	74
5320MHz	74
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	84
5310MHz	81
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	80

**UNII 2C**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_3TX	-
5500MHz	50
5580MHz	46
5700MHz	52
5720MHz Straddle 5.47-5.725GHz	51
5720MHz Straddle 5.725-5.85GHz	51
802.11ax HEW20_Nss1,(MCS0)_3TX	-
5500MHz	51
5580MHz	48
5700MHz	54
5720MHz Straddle 5.47-5.725GHz	53
5720MHz Straddle 5.725-5.85GHz	53
802.11ax HEW40_Nss1,(MCS0)_3TX	-
5510MHz	61
5550MHz	60
5670MHz	65
5710MHz Straddle 5.47-5.725GHz	64
5710MHz Straddle 5.725-5.85GHz	64
802.11ax HEW80_Nss1,(MCS0)_3TX	-
5530MHz	68
5610MHz	67
5690MHz Straddle 5.47-5.725GHz	70
5690MHz Straddle 5.725-5.85GHz	70

**<Beamforming mode>****UNII 2A**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5260MHz	72
5300MHz	70
5320MHz	70
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5270MHz	74
5310MHz	72
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5290MHz	73

UNII 2C

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_3TX	-
5500MHz	48
5580MHz	45
5700MHz	50
5720MHz Straddle 5.47-5.725GHz	53
5720MHz Straddle 5.725-5.85GHz	53
802.11ax HEW40-BF_Nss1,(MCS0)_3TX	-
5510MHz	47
5550MHz	46
5670MHz	49
5710MHz Straddle 5.47-5.725GHz	50
5710MHz Straddle 5.725-5.85GHz	50
802.11ax HEW80-BF_Nss1,(MCS0)_3TX	-
5530MHz	47
5610MHz	44
5690MHz Straddle 5.47-5.725GHz	48
5690MHz Straddle 5.725-5.85GHz	48

Note:

- ♦ Evaluated HEW20/HEW40/HEW80 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.
- ♦ The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been evaluated to be the worst case, so it was selected to test. The beamforming mode evaluates the output power only.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Power Spectral Density
Test Condition	Conducted measurement at transmit chains
1	WLAN 5GHz UNII 2A + Antenna Set 1
2	WLAN 5GHz UNII 2C + Antenna Set 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Output Power
Test Condition	Conducted measurement at transmit chains
1	WLAN 5GHz UNII 2A + Antenna Set 1
2	WLAN 5GHz UNII 2C + Antenna Set 2
3	WLAN 5GHz UNII 1 + Antenna Set 5
4	WLAN 5GHz UNII 1 + Antenna Set 7

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	WLAN 5GHz UNII 2A + Antenna Set 1
2	WLAN 5GHz UNII 2C + Antenna Set 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz (Antenna Set 1) + WLAN 5GHz Low Band (Antenna Set 1) + WLAN 5GHz High Band (Antenna Set 2)
Refer to Sporton Test Report No.: FA0D3031-01 for Co-location RF Exposure Evaluation.	

Note 1: The EUT can only be used in Y-axis position.

Note 2: The PoE below is for measurement only, would not be marketed.

The PoE information as below:

Support Unit	Brand	Model Number
PoE	T-STONE	TSD-PSE25



2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

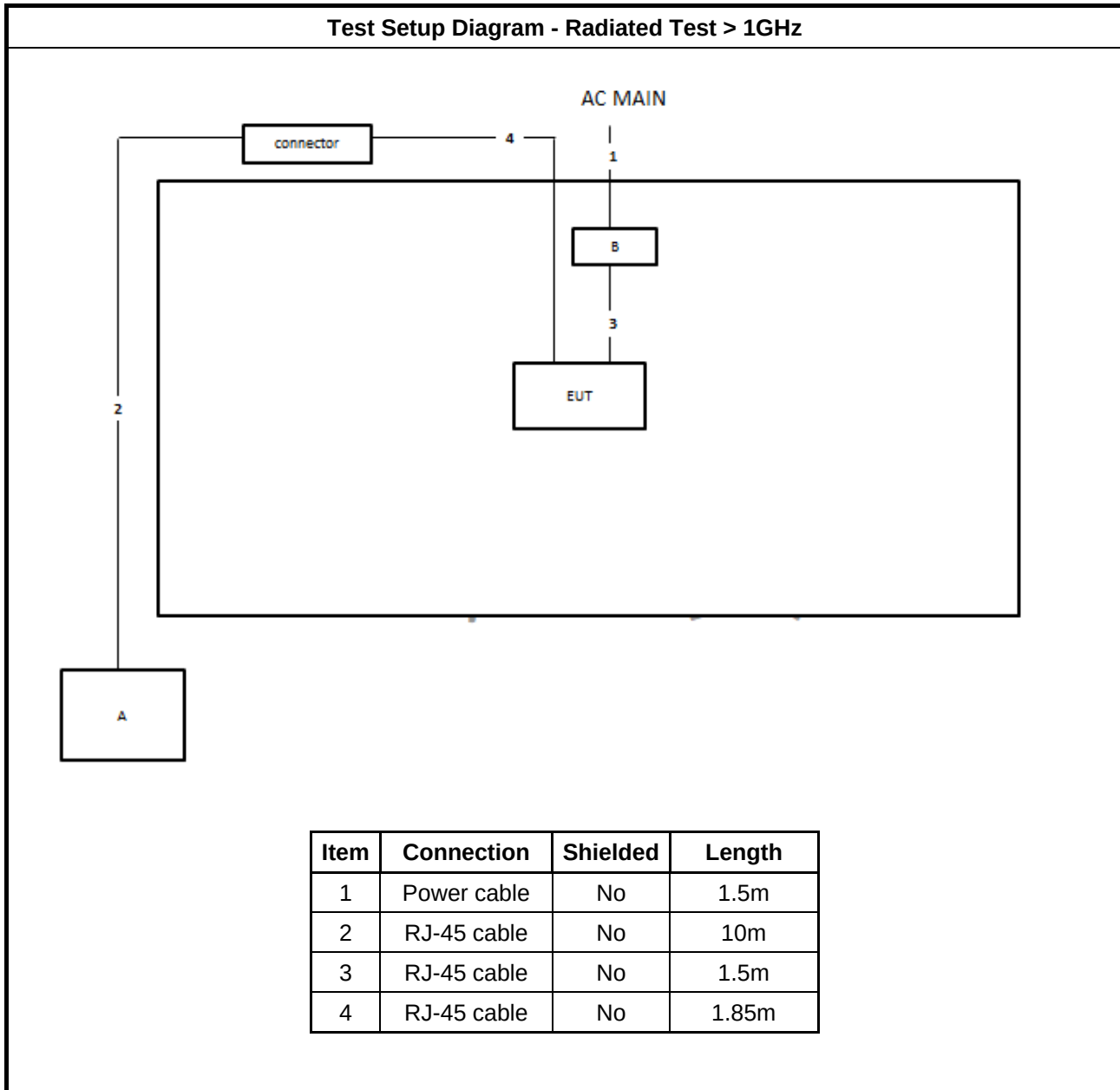
Sealing Collar*1

2.5 Support Equipment

For RF Conducted and Radiated:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE	T-STONE	TSD-PSE25	N/A

2.6 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
☐	For the 5.85-5.895 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

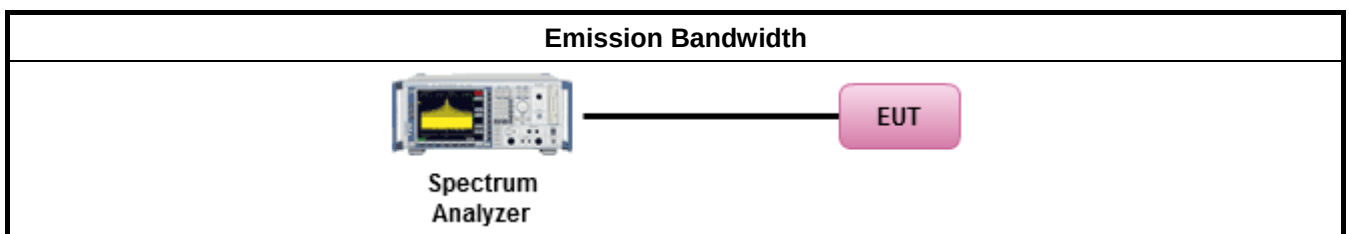
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.1.4 Test Setup





3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A



3.2 Maximum Output Power

3.2.1 Limit

Maximum Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] ▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ ▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. ▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
Maximum EIRP Limit	
☐ For the 5.85-5.895 GHz band:	
	▪ Indoor AP & subordinate device < 36 dBm ▪ Client device < 30 dBm
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
☐ For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
☐ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.

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

3.2.2 Measuring Instruments

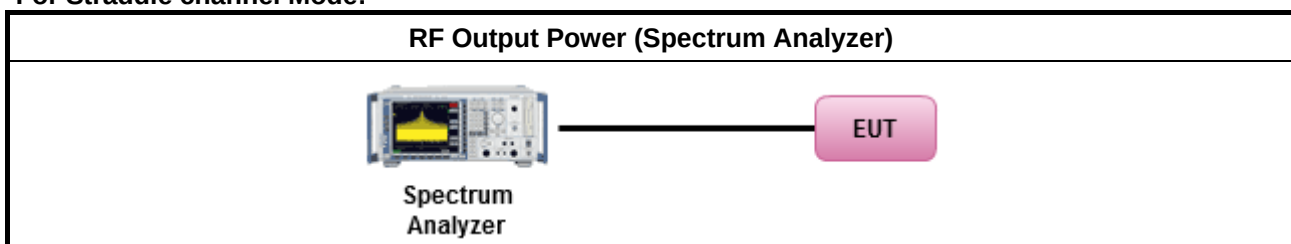
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

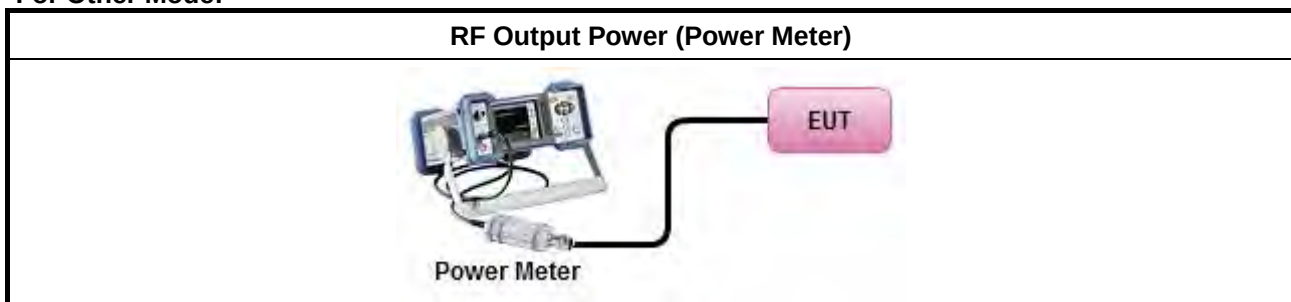
Test Method	
Maximum Conducted Output Power	
Average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033, clause E Method PM-G (using an 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: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + DG$	

3.2.4 Test Setup

For Straddle channel Mode:



For Other Mode:



3.2.5 Test Result of Maximum Output Power

Refer as Appendix B



3.3 Power Spectral Density

3.3.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒	For the 5.725-5.85 GHz band:
☐	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
EIRP Power Spectral Density Limit	
☐ For the 5.85-5.895 GHz band:	
☐	- Indoor AP & subordinate device < 20dBm/MHz - Client device < 14dBm/MHz
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; $-13 - 0.716 (\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ $-35.9 - 1.22 (\theta - 40)$ dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
☐	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that the same method as used to determine the conducted output power	



shall be used to determine the power spectral density. And power spectral density in dBm/MHz
 G_{TX} = the maximum transmitting antenna directional gain in dBi.

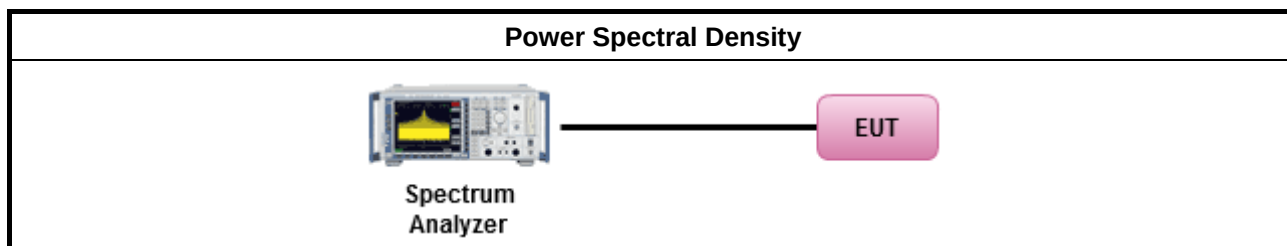
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐	Refer as FCC KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
☒	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
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.
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Refer as Appendix C



3.4 Unwanted Emissions

3.4.1 Transmitter 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.
☐ 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
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).	

3.4.2 Measuring Instruments

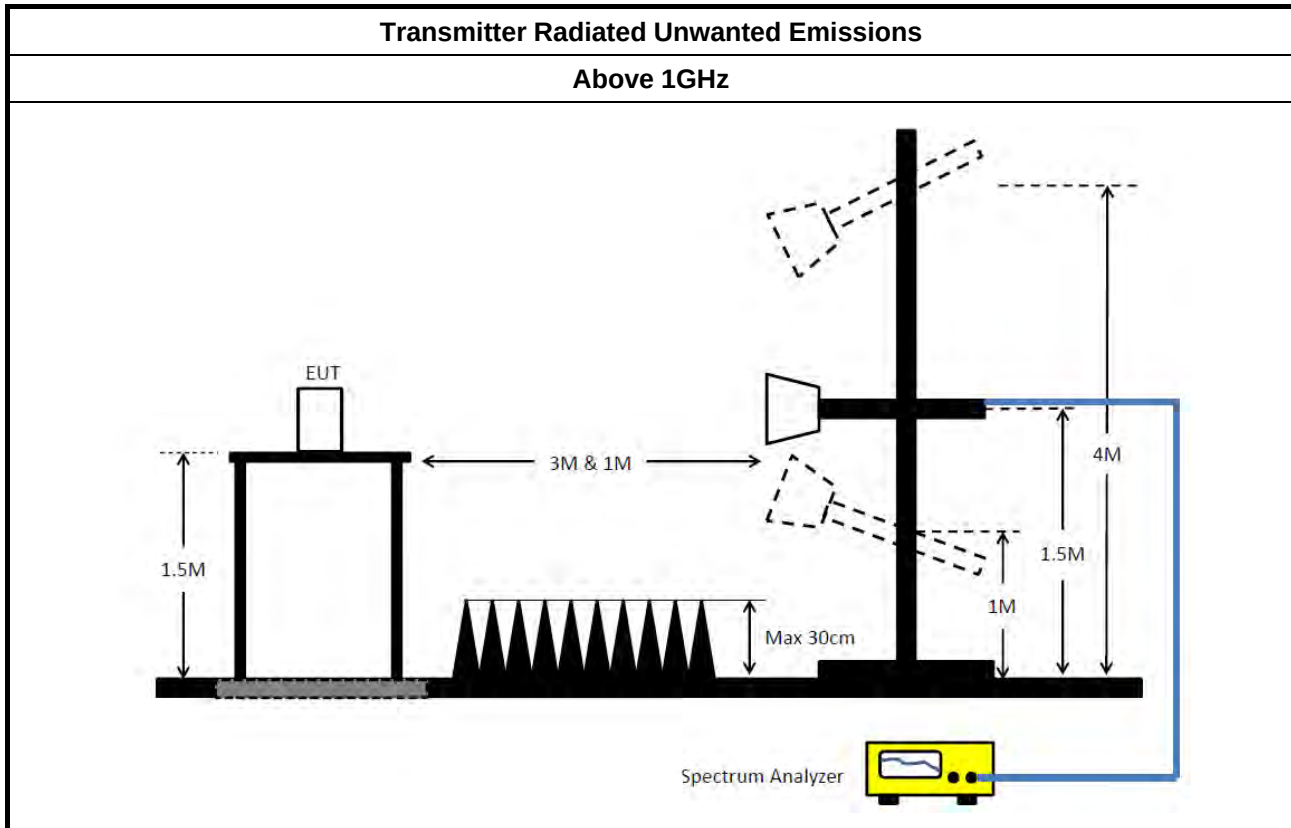
Refer a test equipment and calibration data table in this test report.



3.4.3 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 $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
☐ Refer as ANSI C63.10, clause 4.1.4.2.2 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.	

3.4.4 Test Setup



3.4.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.4.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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 10th harmonic or 40 GHz, whichever is appropriate.

3.4.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~ 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~ 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~ 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz ~ 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~ 18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 18, 2021	Jun. 17, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Amplifier	-	-	TF-130N-R1	18GHz ~ 40GHz	Jun.15, 2021	Jun. 14, 2022	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 07, 2021	May 06, 2022	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2020	Nov. 05, 2021	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 20, 2021	May 19, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)

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

Test Mode: Mode 1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.66M	17.061M	17M1D1D	21.39M	16.852M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.78M	19.16M	19M2D1D	21.51M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.14M	37.781M	37M8D1D	39.84M	37.601M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.24M	77.001M	77M0D1D	81.24M	77.001M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth

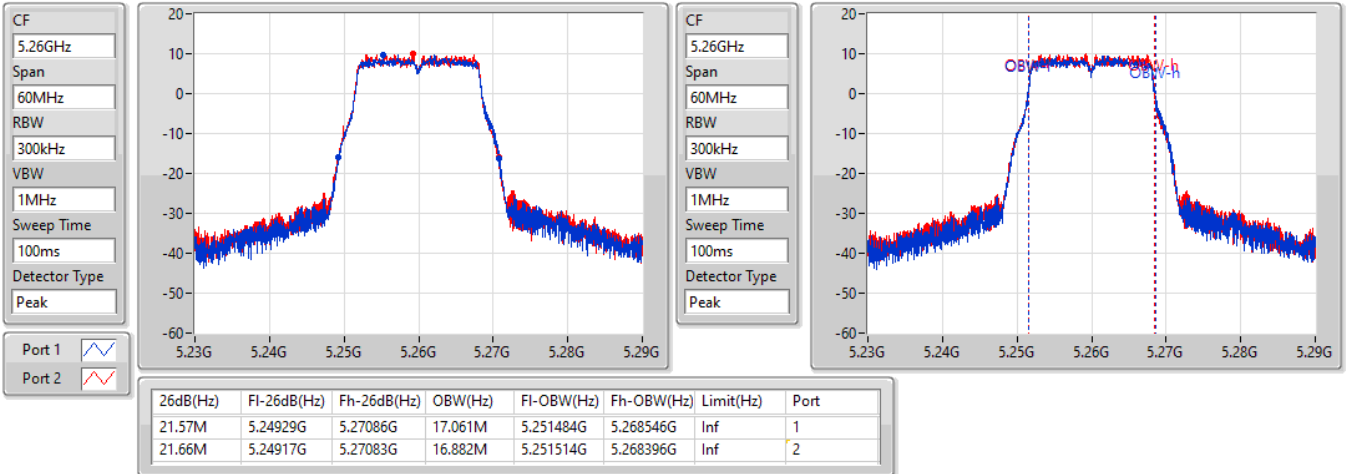
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.57M	17.061M	21.66M	16.882M
5300MHz	Pass	Inf	21.54M	17.031M	21.6M	16.882M
5320MHz	Pass	Inf	21.42M	17.061M	21.39M	16.852M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.6M	19.07M	21.66M	19.16M
5300MHz	Pass	Inf	21.66M	19.04M	21.51M	19.13M
5320MHz	Pass	Inf	21.78M	19.04M	21.57M	19.13M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.14M	37.781M	39.84M	37.721M
5310MHz	Pass	Inf	40.08M	37.721M	39.84M	37.601M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.24M	77.001M	81.24M	77.001M

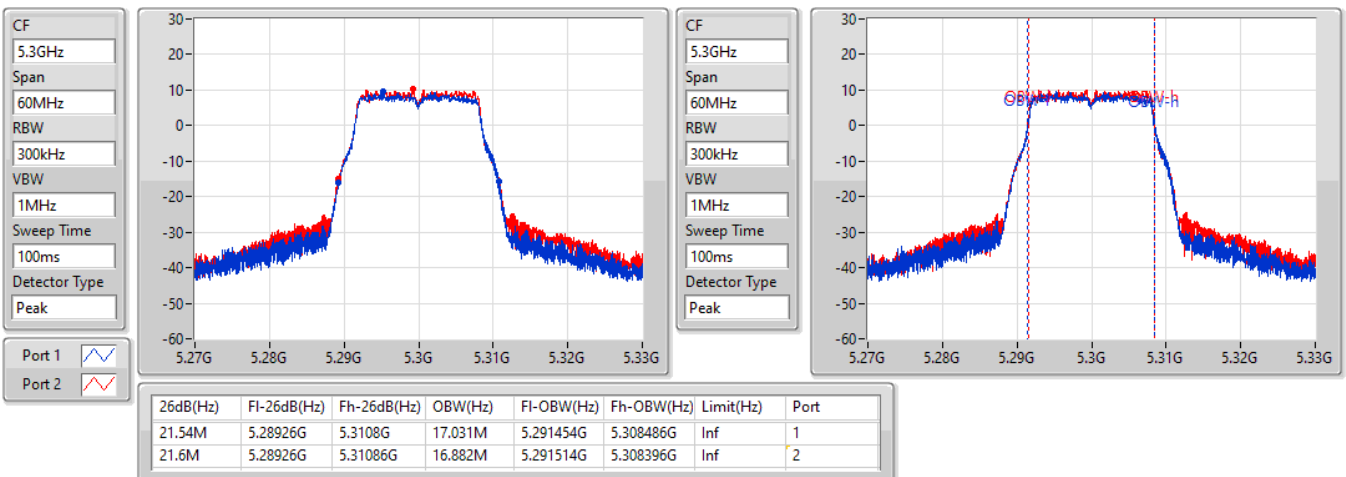
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

12/08/2021


802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

12/08/2021

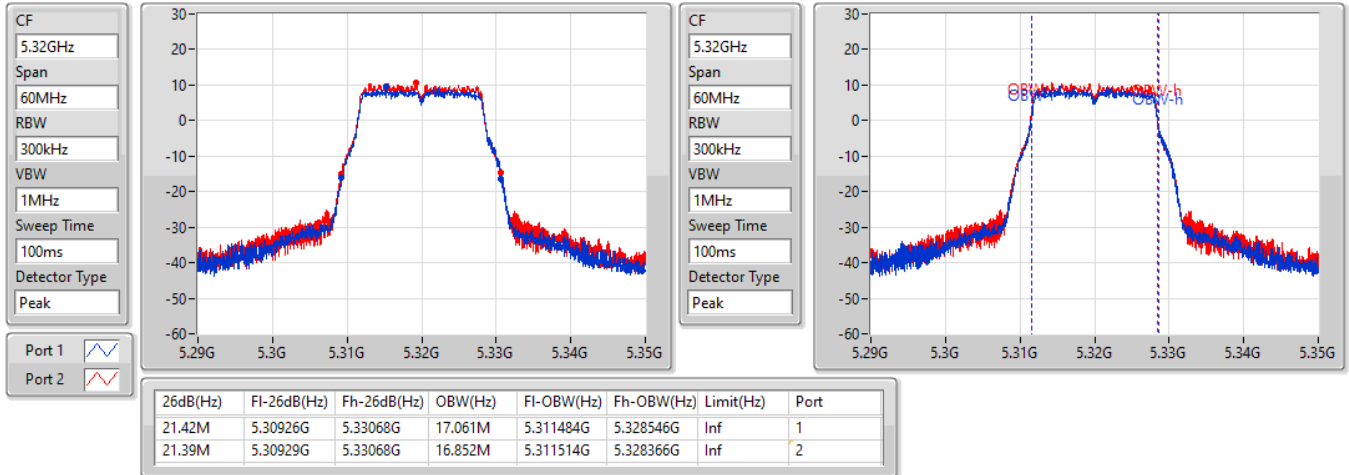


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

12/08/2021

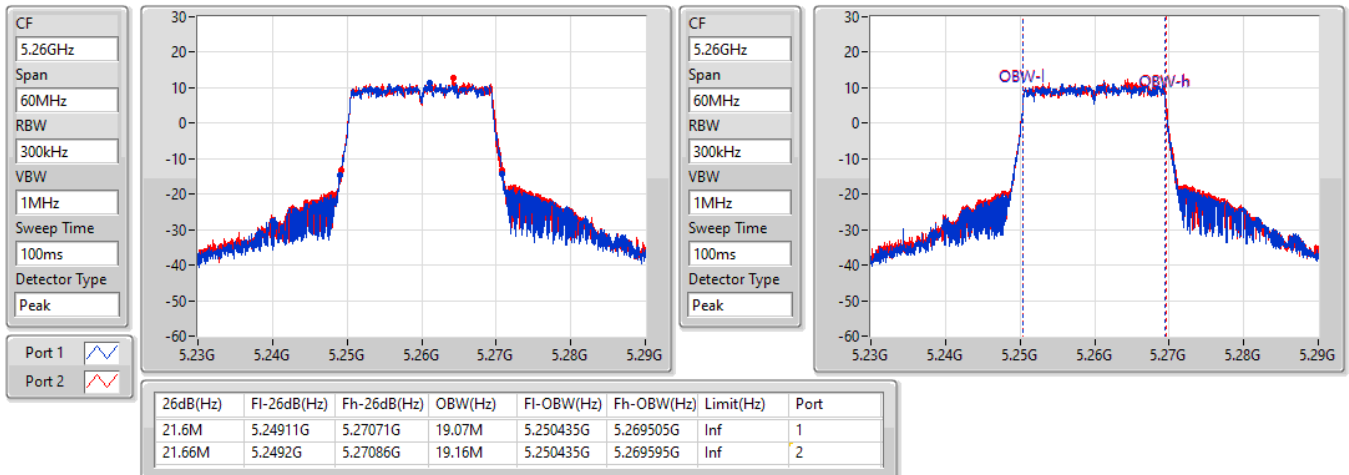


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

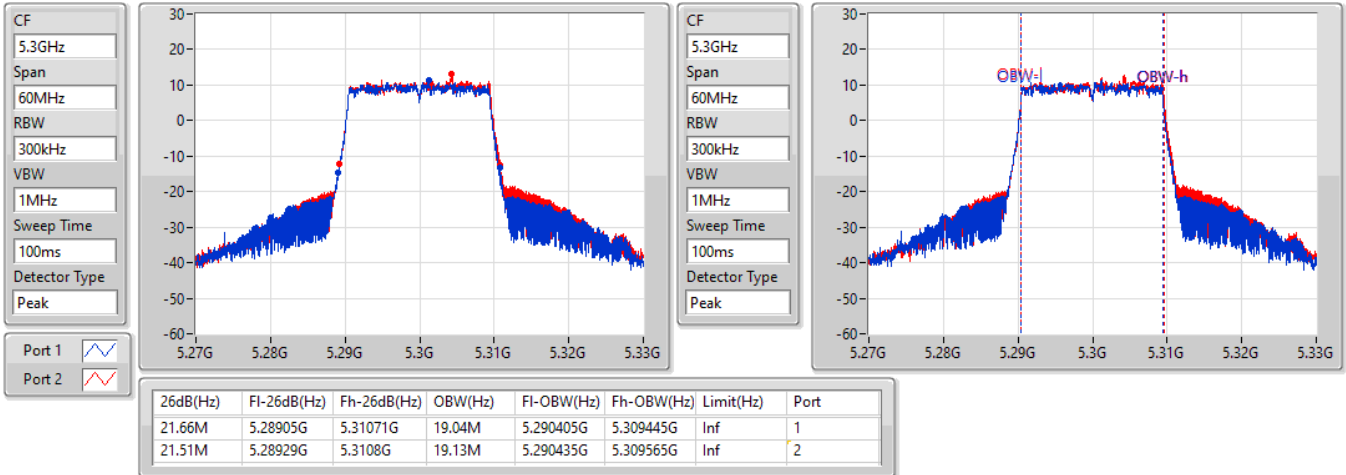
5260MHz

12/08/2021

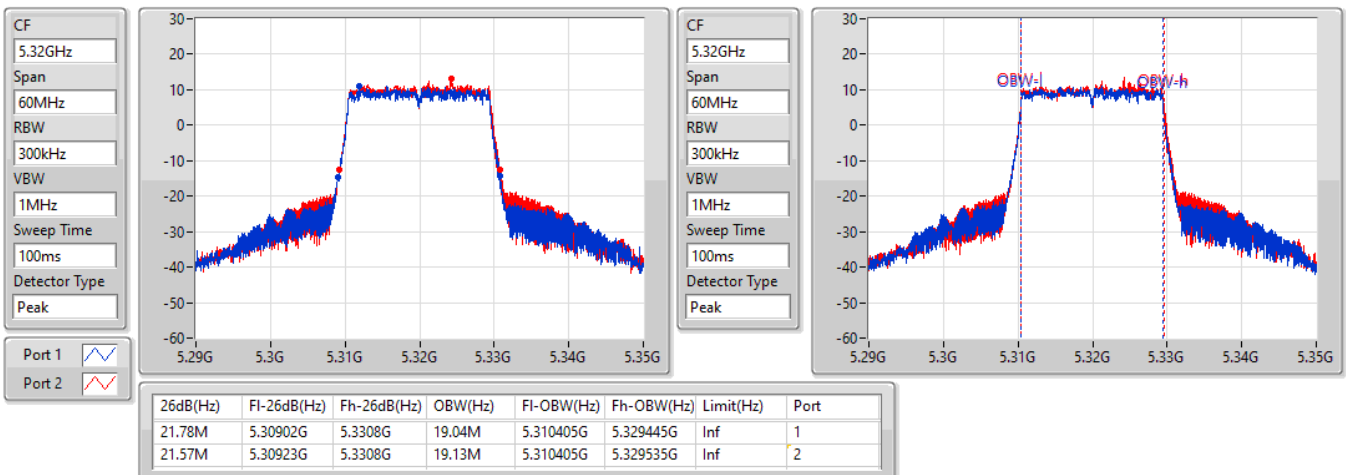


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

12/08/2021

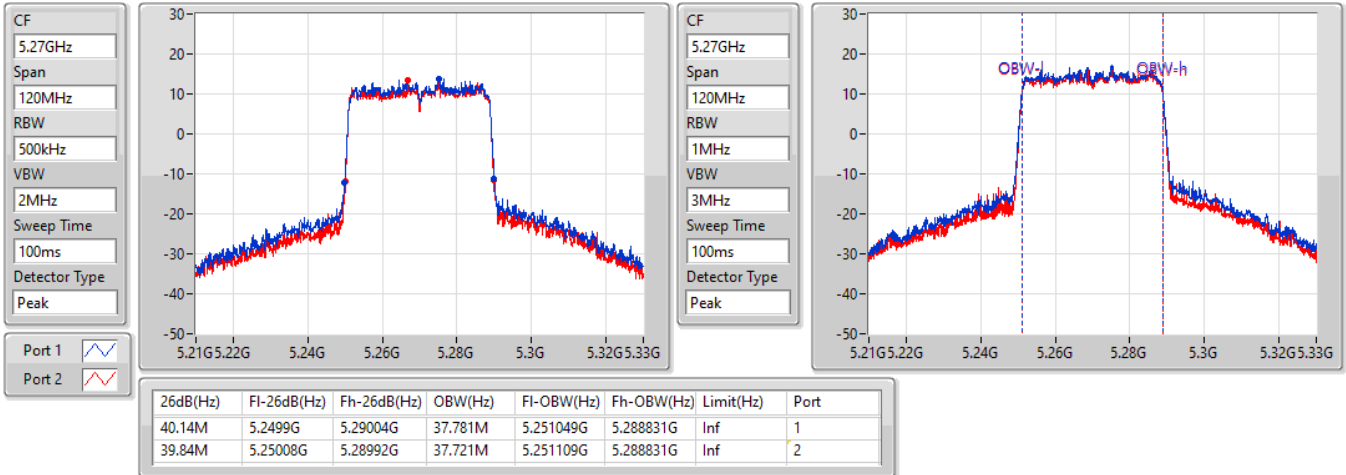

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

12/08/2021

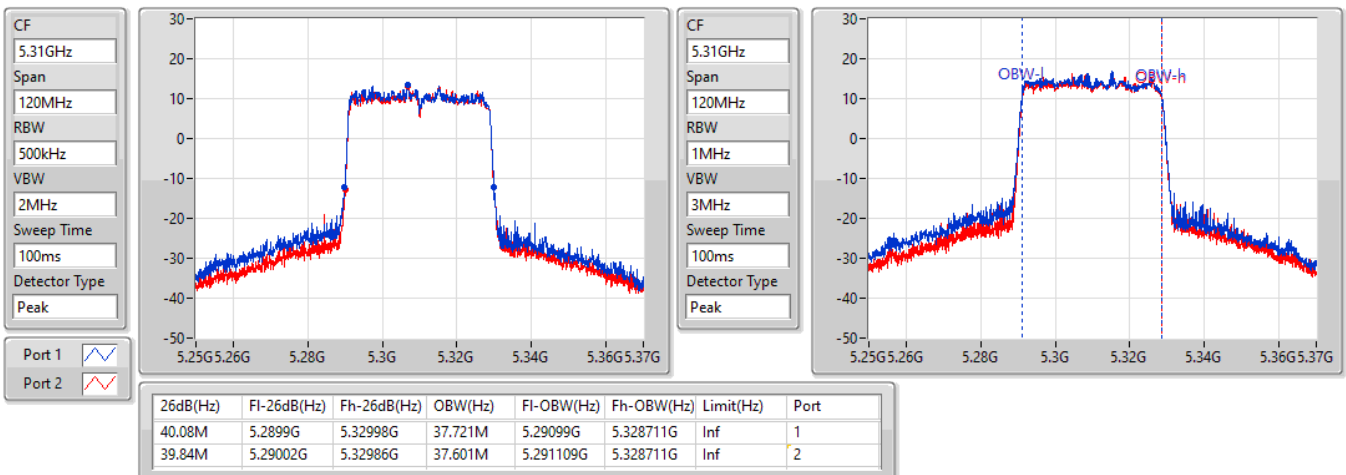


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

12/08/2021


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5310MHz

12/08/2021

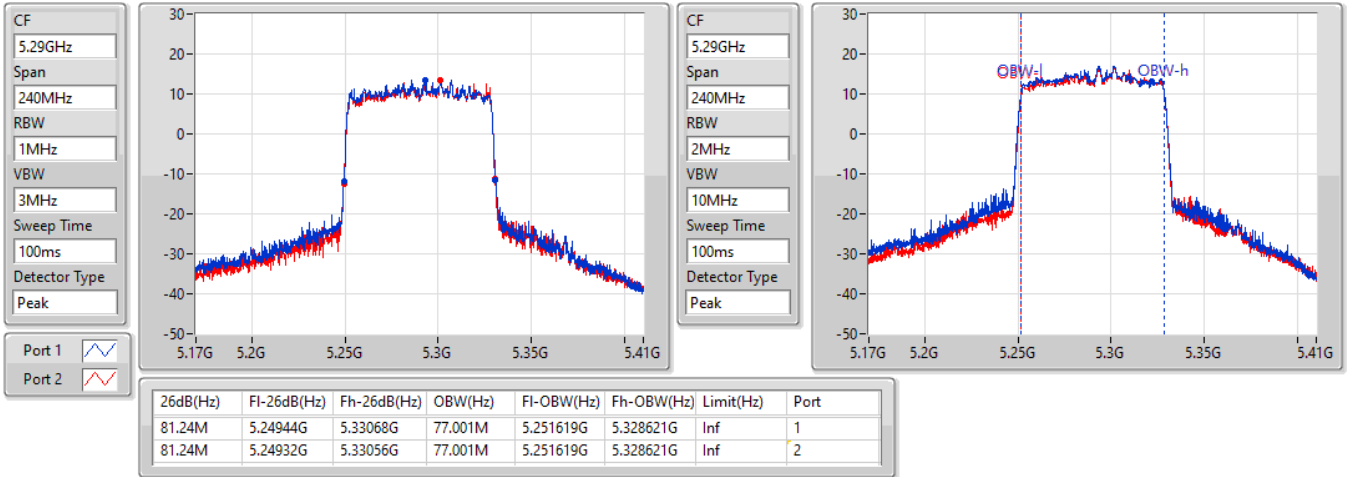


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

12/08/2021



Test Mode: Mode 2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	21.69M	17.061M	17M1D1D	15.54M	13.478M
802.11ax HEW20_Nss1,(MCS0)_3TX	21.75M	19.16M	19M2D1D	15.66M	14.528M
802.11ax HEW40_Nss1,(MCS0)_3TX	40.2M	37.721M	37M7D1D	34.895M	33.723M
802.11ax HEW80_Nss1,(MCS0)_3TX	81.6M	77.121M	77M1D1D	75.6M	72.939M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	3.14M	4.278M	4M28D1D	3.14M	4.118M
802.11ax HEW20_Nss1,(MCS0)_3TX	4.46M	4.718M	4M72D1D	4.44M	4.638M
802.11ax HEW40_Nss1,(MCS0)_3TX	3.8M	4.078M	4M08D1D	3.78M	4.058M
802.11ax HEW80_Nss1,(MCS0)_3TX	3.84M	4.118M	4M12D1D	3.56M	4.098M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth

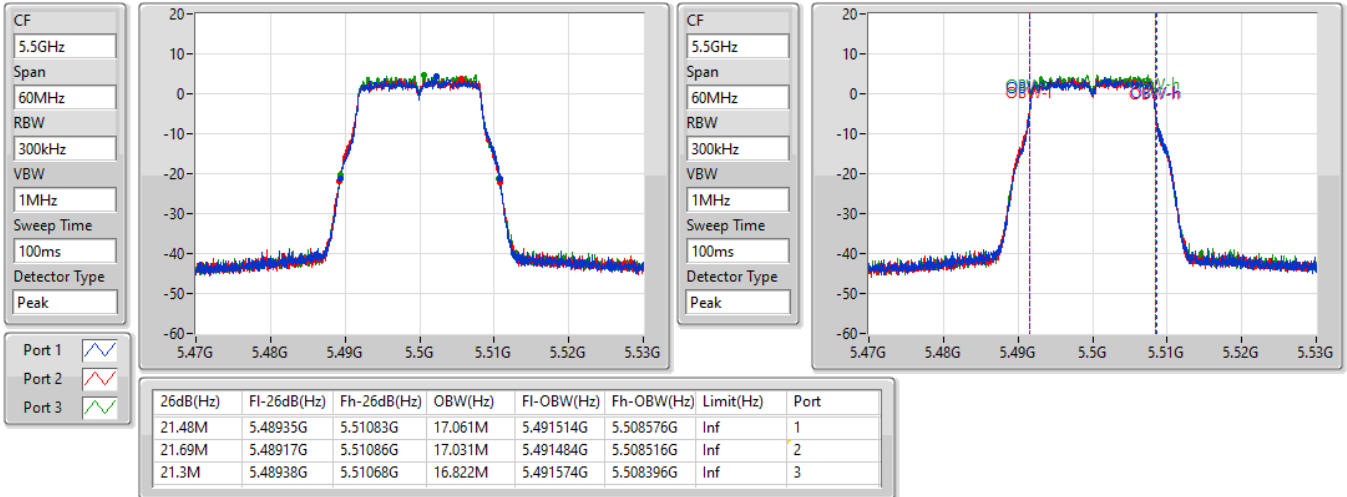
Result

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)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	21.48M	17.061M	21.69M	17.031M	21.3M	16.822M
5580MHz	Pass	Inf	21.51M	17.031M	21.69M	17.031M	21.36M	16.852M
5700MHz	Pass	Inf	21.39M	17.001M	21.69M	17.031M	21.3M	16.852M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.54M	13.508M	15.75M	13.598M	15.555M	13.478M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	4.278M	3.14M	4.238M	3.14M	4.118M
802.11ax HEW20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	21.66M	19.04M	21.63M	19.16M	21.72M	19.13M
5580MHz	Pass	Inf	21.75M	19.04M	21.45M	19.1M	21.69M	19.13M
5700MHz	Pass	Inf	21.69M	19.07M	21.57M	19.1M	21.69M	19.16M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	14.528M	15.66M	14.543M	15.765M	14.543M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.638M	4.46M	4.718M	4.46M	4.698M
802.11ax HEW40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	40.2M	37.661M	39.9M	37.721M	40.02M	37.661M
5550MHz	Pass	Inf	40.14M	37.661M	39.84M	37.541M	40.02M	37.601M
5670MHz	Pass	Inf	40.2M	37.721M	39.78M	37.601M	40.08M	37.661M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.14M	33.758M	34.895M	33.723M	34.93M	33.723M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.078M	3.78M	4.058M	3.8M	4.078M
802.11ax HEW80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	81.36M	76.882M	81.12M	77.121M	81.24M	77.001M
5610MHz	Pass	Inf	81.48M	77.121M	81.12M	77.001M	81.6M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.6M	73.013M	75.6M	72.939M	75.6M	72.939M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	4.118M	3.56M	4.098M	3.84M	4.118M

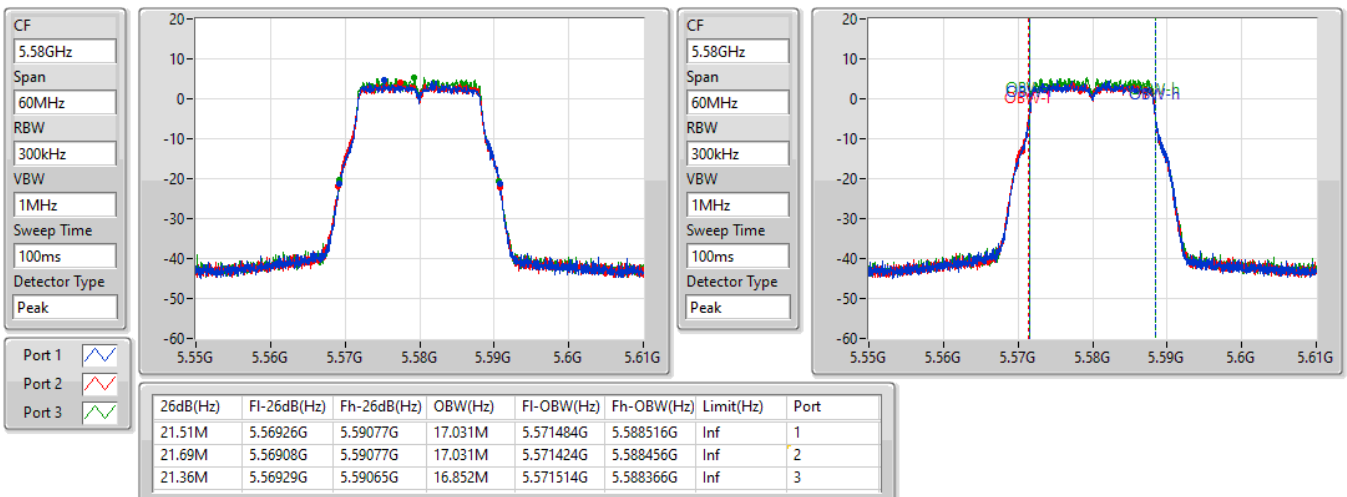
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_3TX
EBW
5500MHz

12/08/2021

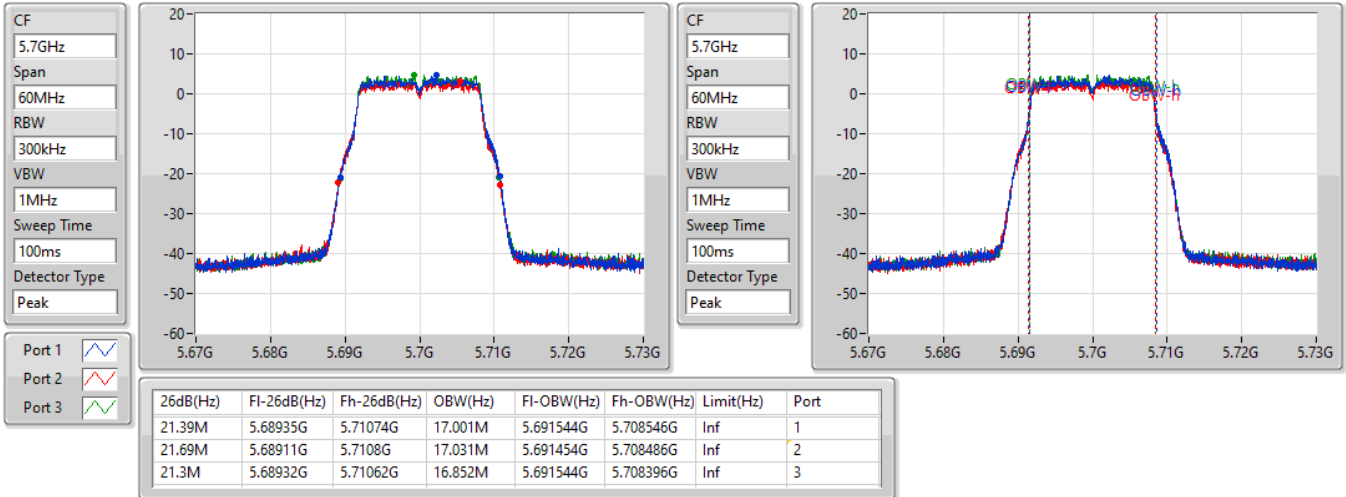

802.11a_Nss1,(6Mbps)_3TX
EBW
5580MHz

12/08/2021

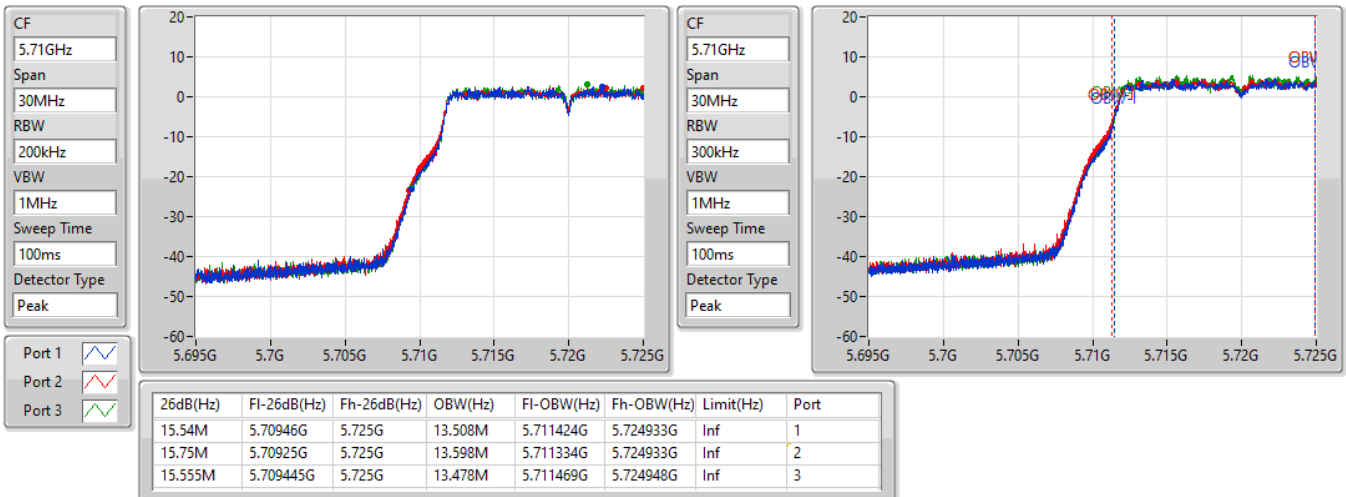


802.11a_Nss1,(6Mbps)_3TX
EBW
5700MHz

12/08/2021

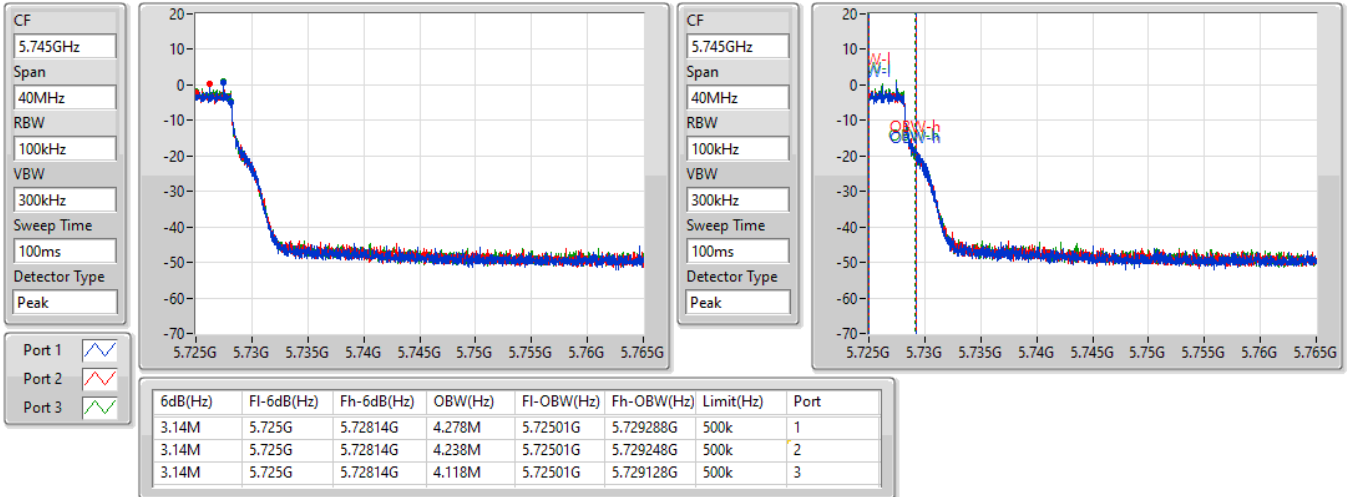

802.11a_Nss1,(6Mbps)_3TX
EBW
5720MHz Straddle 5.47-5.725GHz

06/10/2021

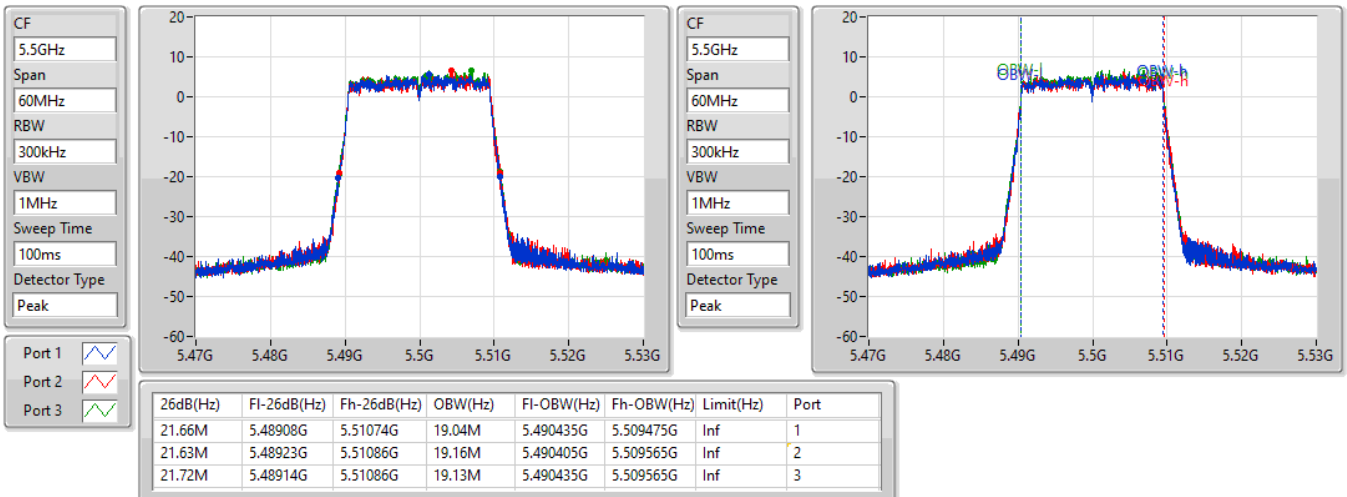


802.11a_Nss1,(6Mbps)_3TX
EBW
5720MHz Straddle 5.725-5.85GHz

06/10/2021

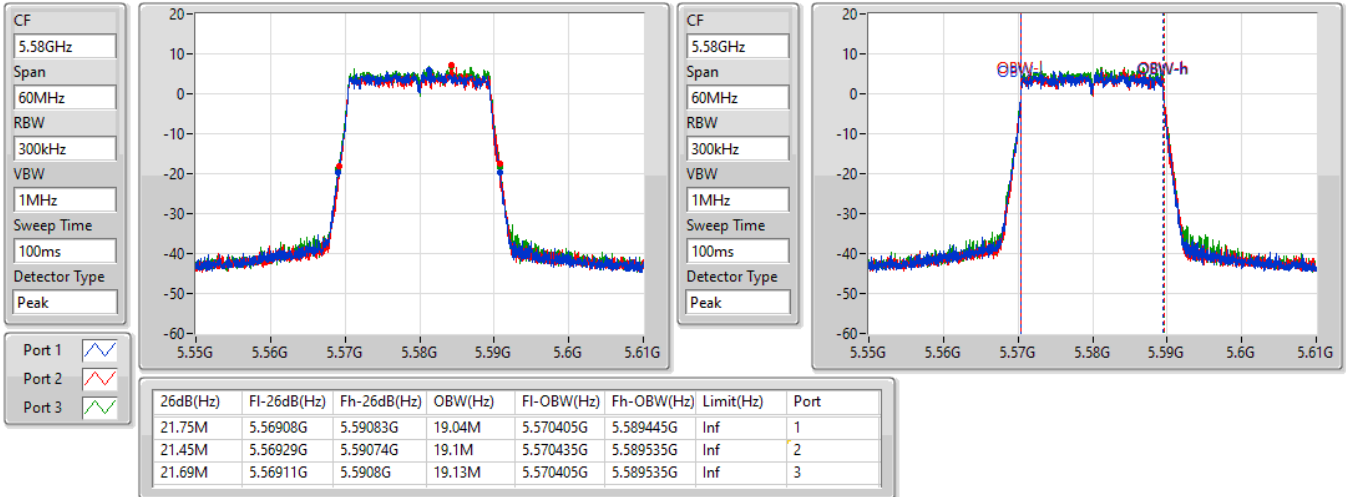

802.11ax HEW20_Nss1,(MCS0)_3TX
EBW
5500MHz

12/08/2021

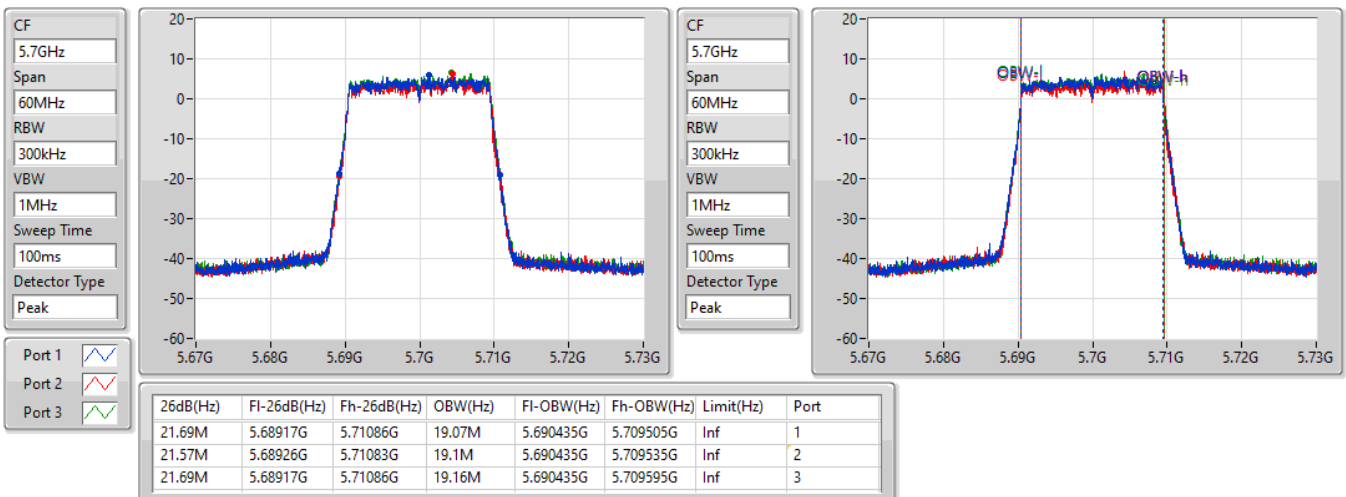


802.11ax HEW20_Nss1,(MCS0)_3TX
EBW
5580MHz

12/08/2021

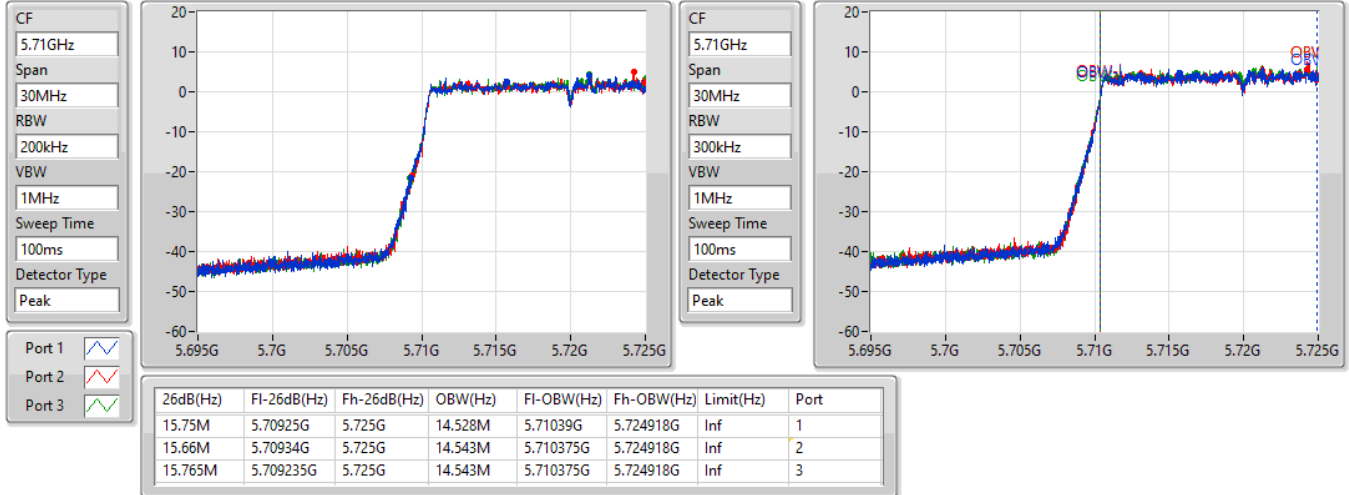

802.11ax HEW20_Nss1,(MCS0)_3TX
EBW
5700MHz

12/08/2021

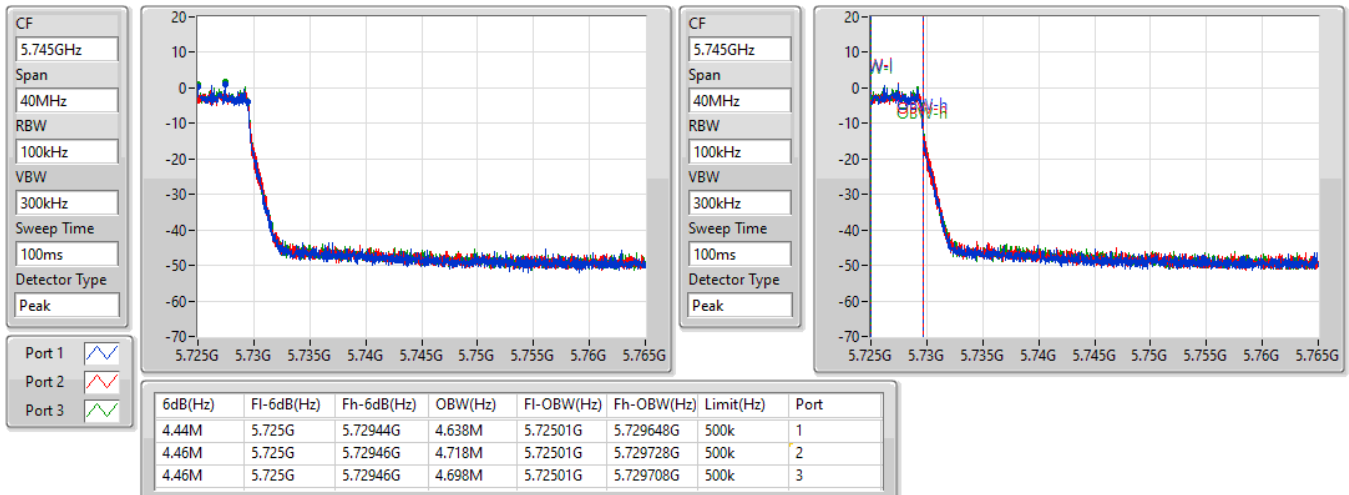


802.11ax HEW20_Nss1,(MCS0)_3TX
EBW
5720MHz Straddle 5.47-5.725GHz

06/10/2021

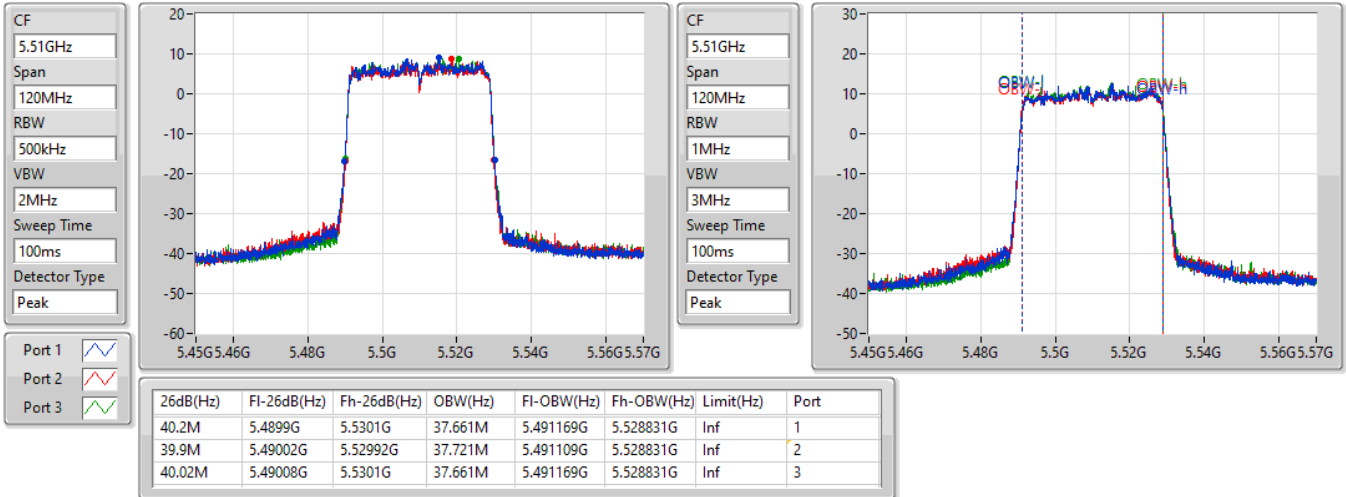

802.11ax HEW20_Nss1,(MCS0)_3TX
EBW
5720MHz Straddle 5.725-5.85GHz

06/10/2021

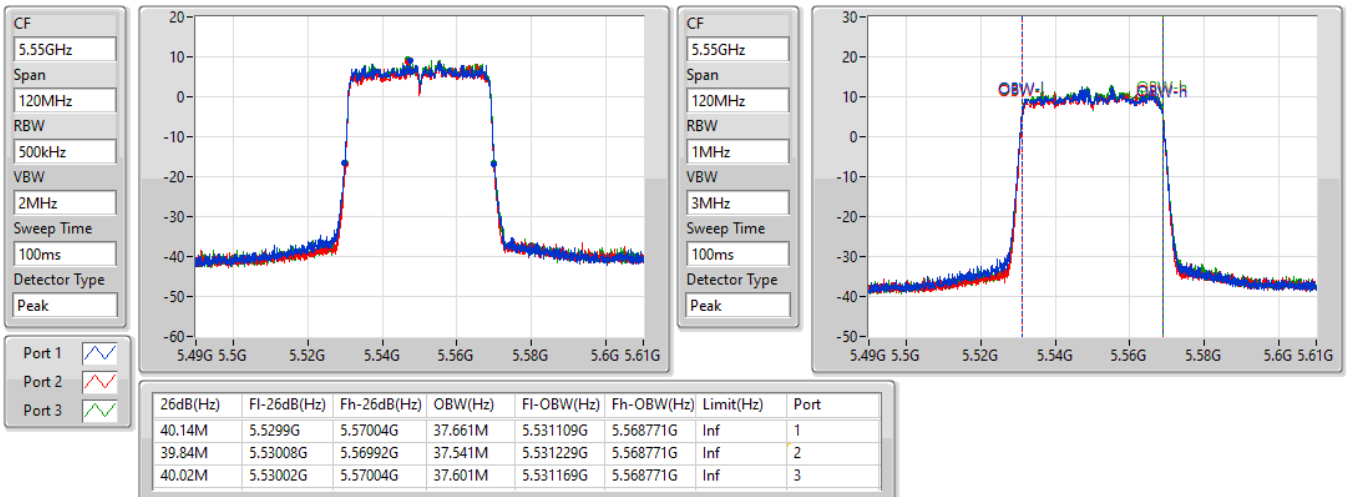


802.11ax HEW40_Nss1,(MCS0)_3TX
EBW
5510MHz

12/08/2021

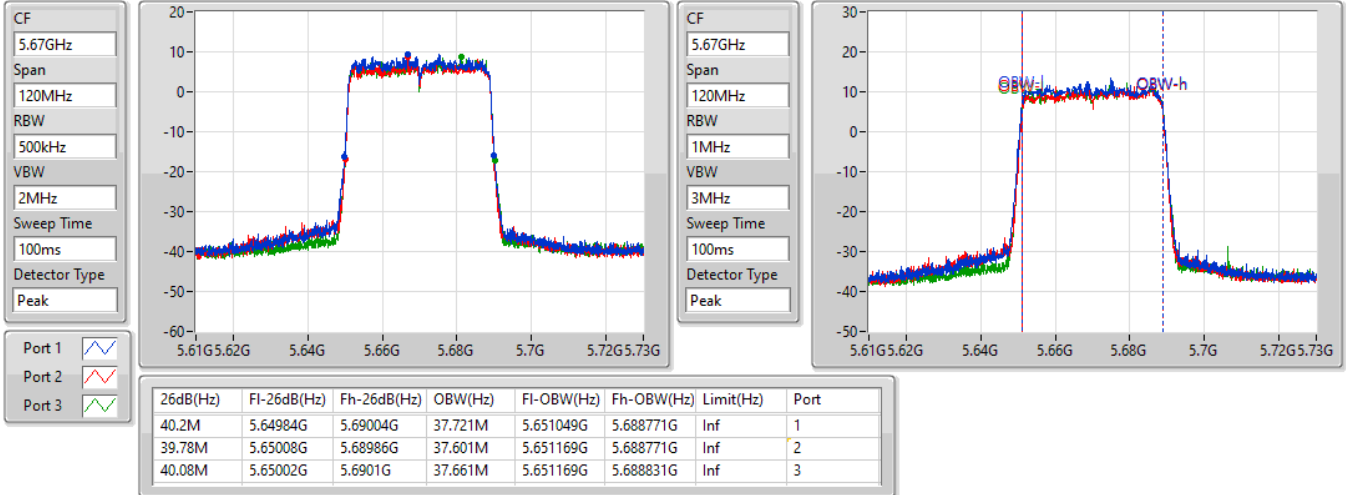

802.11ax HEW40_Nss1,(MCS0)_3TX
EBW
5550MHz

12/08/2021

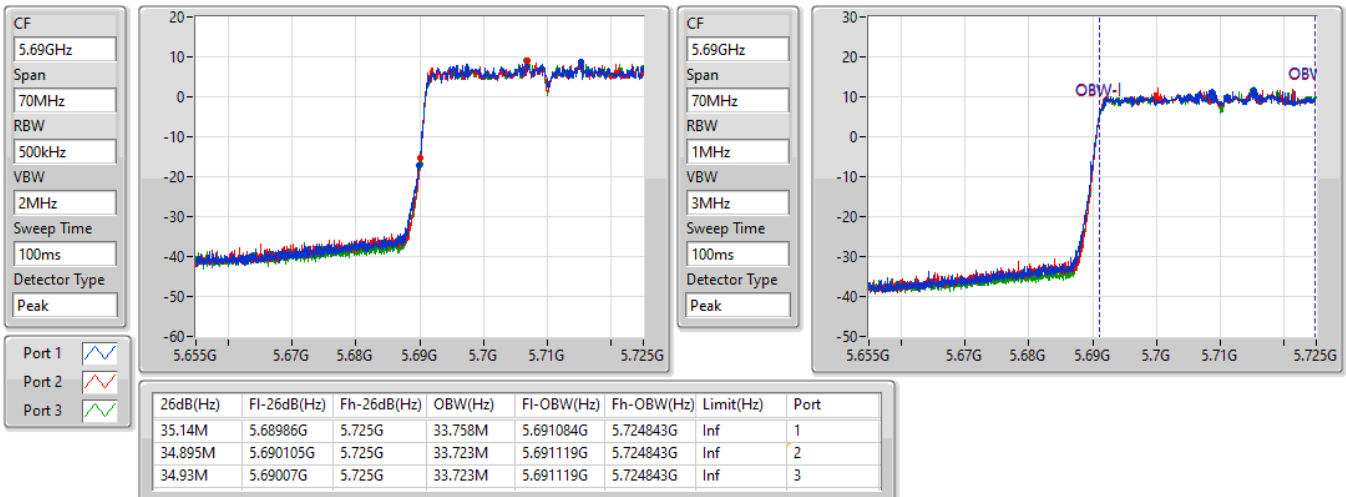


802.11ax HEW40_Nss1,(MCS0)_3TX
EBW
5670MHz

12/08/2021

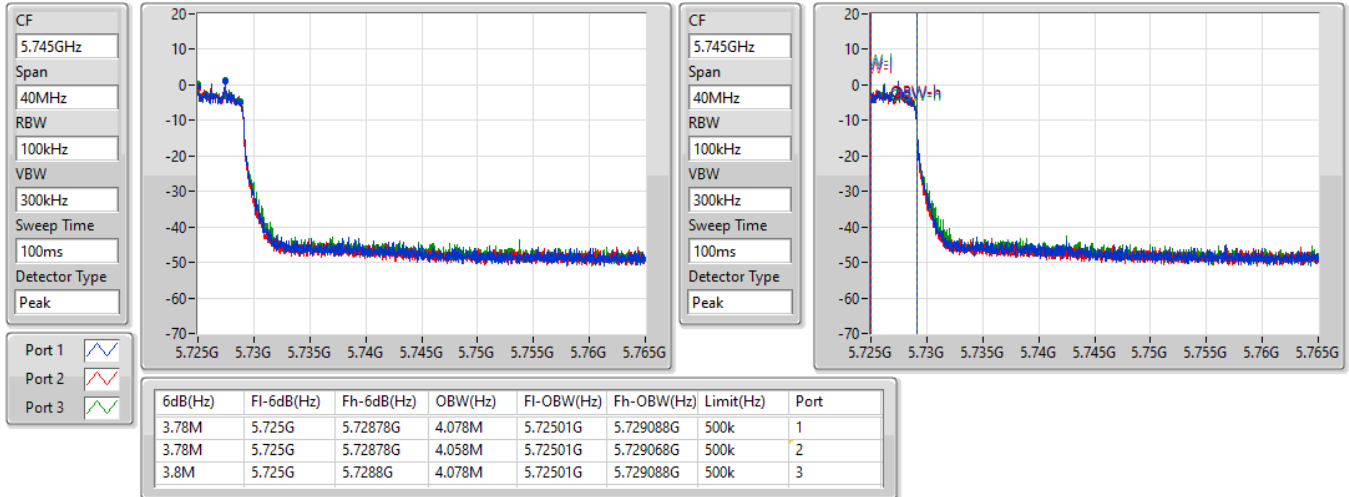

802.11ax HEW40_Nss1,(MCS0)_3TX
EBW
5710MHz Straddle 5.47-5.725GHz

06/10/2021

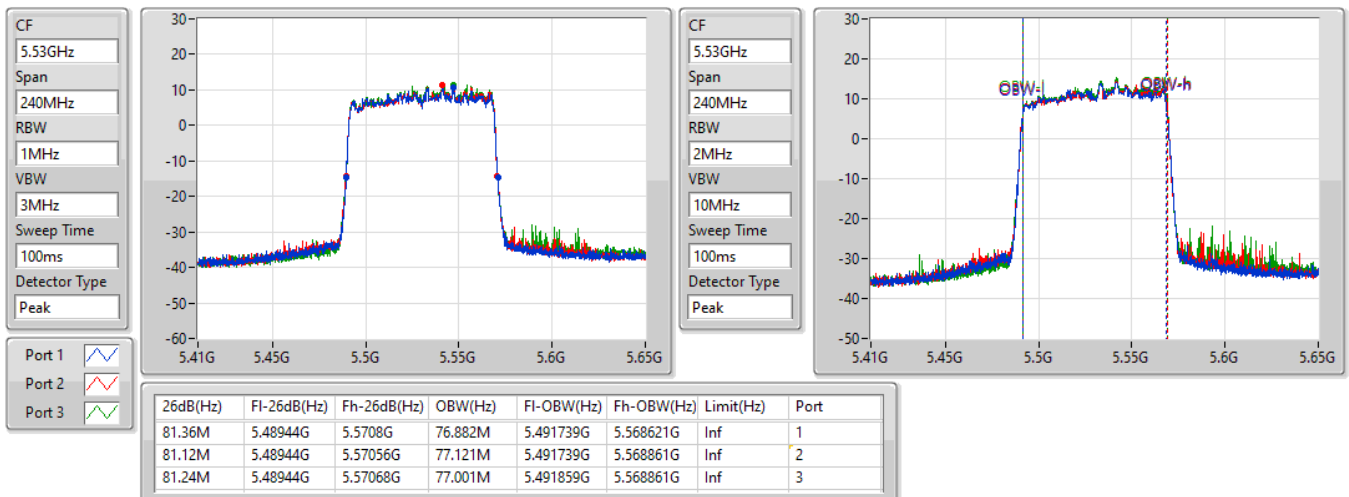


802.11ax HEW40_Nss1,(MCS0)_3TX
EBW
5710MHz Straddle 5.725-5.85GHz

06/10/2021

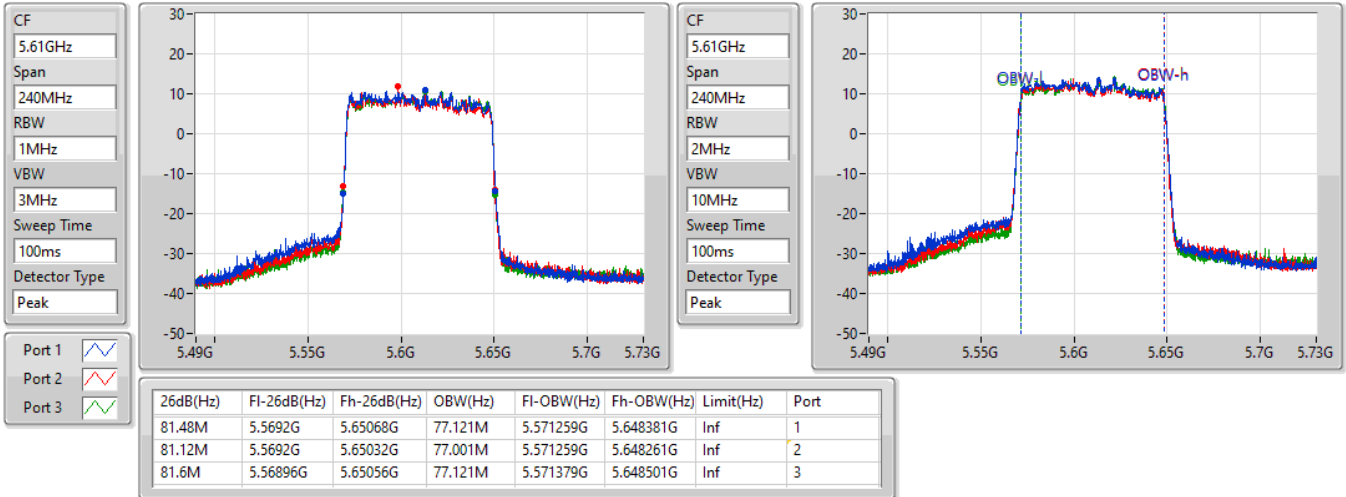

802.11ax HEW80_Nss1,(MCS0)_3TX
EBW
5530MHz

12/08/2021

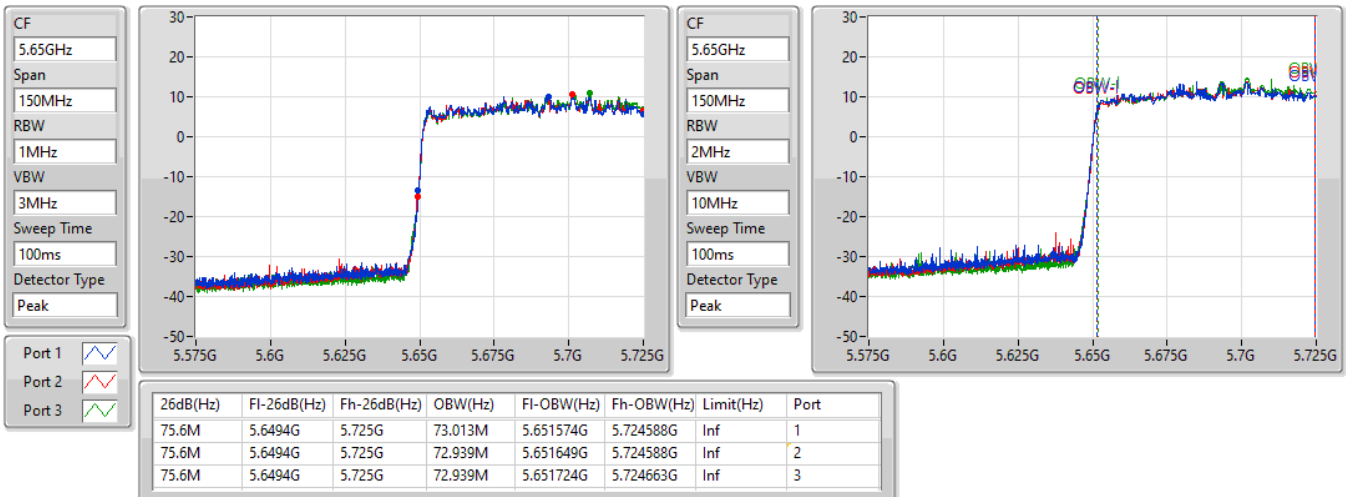


802.11ax HEW80_Nss1,(MCS0)_3TX
EBW
5610MHz

12/08/2021


802.11ax HEW80_Nss1,(MCS0)_3TX
EBW
5690MHz Straddle 5.47-5.725GHz

06/10/2021

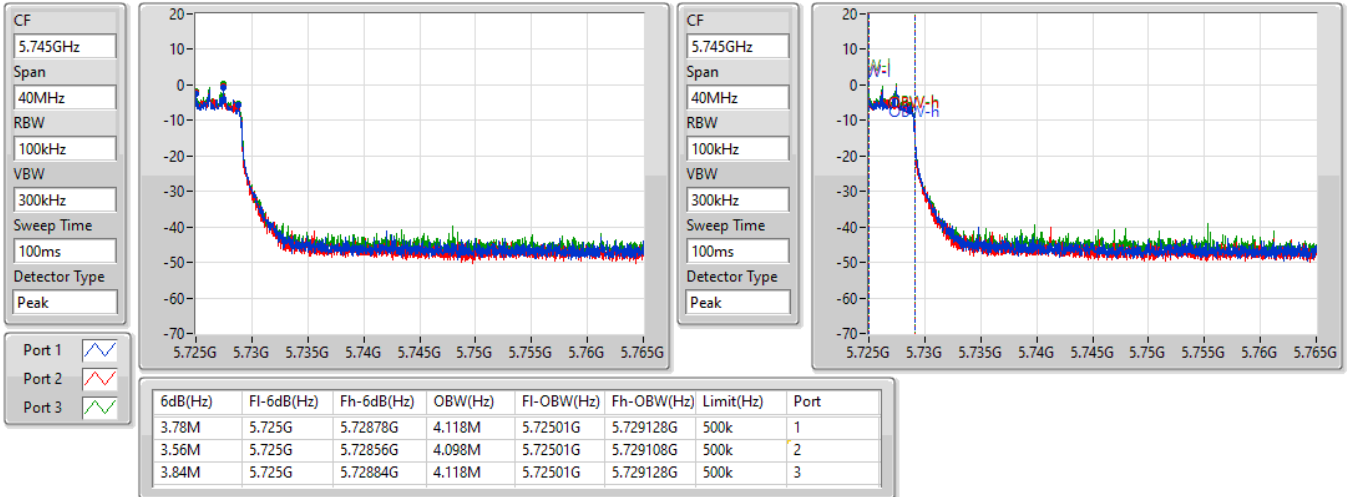


802.11ax HEW80_Nss1,(MCS0)_3TX

EBW

5690MHz Straddle 5.725-5.85GHz

06/10/2021





Average Power_Non-beamforming mode

Appendix B.1

Test Mode: Mode 1

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	21.81	0.15171
802.11ax HEW20_Nss1,(MCS0)_2TX	22.31	0.17022
802.11ax HEW40_Nss1,(MCS0)_2TX	23.87	0.24378
802.11ax HEW80_Nss1,(MCS0)_2TX	22.95	0.19724



Average Power_Non-beamforming mode

Appendix B.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	5.50	18.56	18.45	21.52	23.98
5300MHz	Pass	5.50	18.31	18.97	21.66	23.98
5320MHz	Pass	5.50	18.49	19.08	21.81	23.98
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	5.50	19.23	19.37	22.31	23.98
5300MHz	Pass	5.50	19.06	19.32	22.20	23.98
5320MHz	Pass	5.50	19.05	19.45	22.26	23.98
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	5.50	21.08	20.63	23.87	23.98
5310MHz	Pass	5.50	20.47	20.28	23.39	23.98
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	5.50	20.09	19.78	22.95	23.98

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



Average Power_beamforming mode

Appendix B.2

Test Mode: Mode 1

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.42	0.13868
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.44	0.13932
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	21.43	0.13900

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	8.51	18.18	18.45	21.33	21.47
5300MHz	Pass	8.51	18.13	18.47	21.31	21.47
5320MHz	Pass	8.51	18.19	18.61	21.42	21.47
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	8.51	18.64	18.21	21.44	21.47
5310MHz	Pass	8.51	18.35	18.26	21.32	21.47
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	8.51	18.47	18.36	21.43	21.47

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



Average Power_Non-beamforming mode

Appendix B.3

Test Mode: Mode 2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	17.79	0.06012
802.11ax HEW20_Nss1,(MCS0)_3TX	18.58	0.07211
802.11ax HEW40_Nss1,(MCS0)_3TX	21.03	0.12677
802.11ax HEW80_Nss1,(MCS0)_3TX	22.42	0.17458
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	10.57	0.01140
802.11ax HEW20_Nss1,(MCS0)_3TX	12.29	0.01694
802.11ax HEW40_Nss1,(MCS0)_3TX	11.17	0.01309
802.11ax HEW80_Nss1,(MCS0)_3TX	9.57	0.00906



Average Power_Non-beamforming mode

Appendix B.3

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
5500MHz	Pass	7.50	12.87	12.68	13.43	17.78	22.48
5580MHz	Pass	7.50	12.68	12.58	13.71	17.79	22.48
5700MHz	Pass	7.50	13.03	12.31	13.43	17.72	22.48
5720MHz Straddle 5.47-5.725GHz	Pass	7.50	11.73	11.92	12.05	16.67	21.41
5720MHz Straddle 5.725-5.85GHz	Pass	7.50	5.57	5.70	6.11	10.57	28.50
802.11ax HEW20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5500MHz	Pass	7.50	13.43	13.29	14.04	18.37	22.48
5580MHz	Pass	7.50	13.40	13.37	14.43	18.53	22.48
5700MHz	Pass	7.50	13.97	13.28	14.12	18.58	22.48
5720MHz Straddle 5.47-5.725GHz	Pass	7.50	12.27	12.30	12.61	17.17	21.45
5720MHz Straddle 5.725-5.85GHz	Pass	7.50	7.27	7.38	7.88	12.29	28.50
802.11ax HEW40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5510MHz	Pass	7.50	16.02	15.95	16.52	20.94	22.48
5550MHz	Pass	7.50	16.22	15.72	16.65	20.98	22.48
5670MHz	Pass	7.50	16.78	15.89	16.05	21.03	22.48
5710MHz Straddle 5.47-5.725GHz	Pass	7.50	15.85	15.73	15.81	20.57	22.48
5710MHz Straddle 5.725-5.85GHz	Pass	7.50	6.30	6.29	6.61	11.17	28.50
802.11ax HEW80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5530MHz	Pass	7.50	17.32	17.28	17.95	22.30	22.48
5610MHz	Pass	7.50	17.90	17.30	17.73	22.42	22.48
5690MHz Straddle 5.47-5.725GHz	Pass	7.50	17.42	17.60	17.64	22.33	22.48
5690MHz Straddle 5.725-5.85GHz	Pass	7.50	4.44	4.52	5.38	9.57	28.50

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

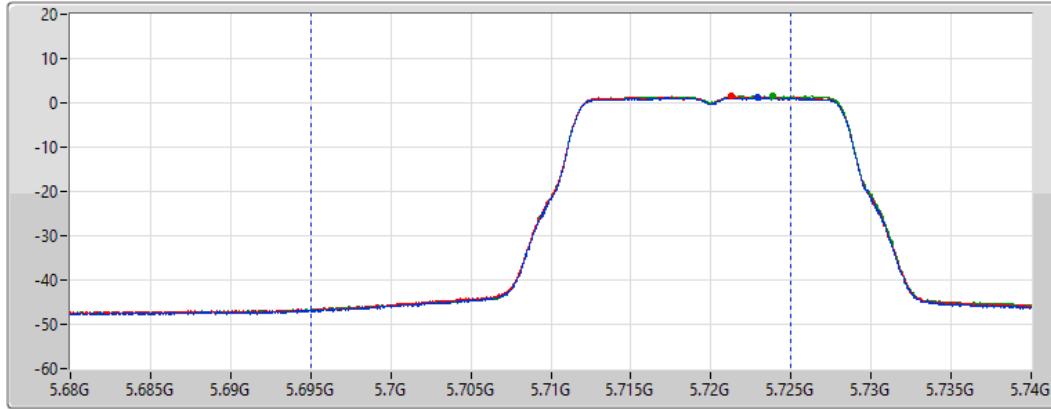
802.11a_Nss1,(6Mbps)_3TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

06/10/2021

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz



Port 1
Port 2
Port 3

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
16.67	11.73	11.92	12.05

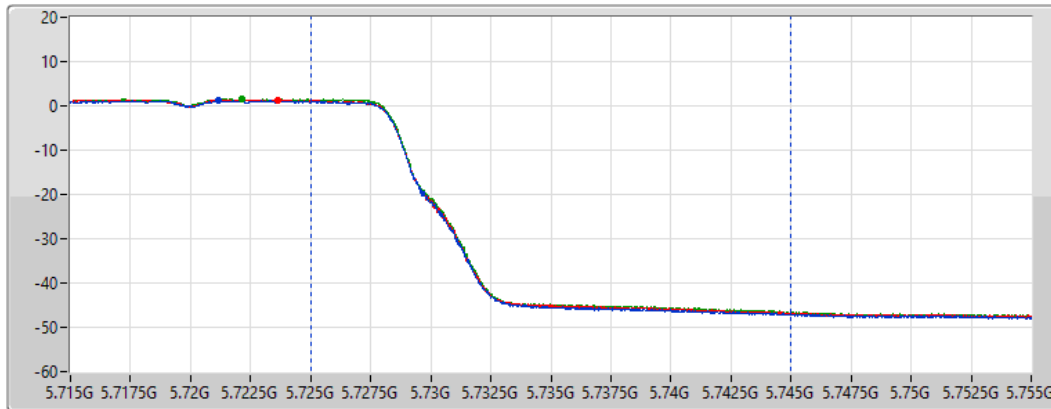
802.11a_Nss1,(6Mbps)_3TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

06/10/2021

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
10.57	5.57	5.70	6.11

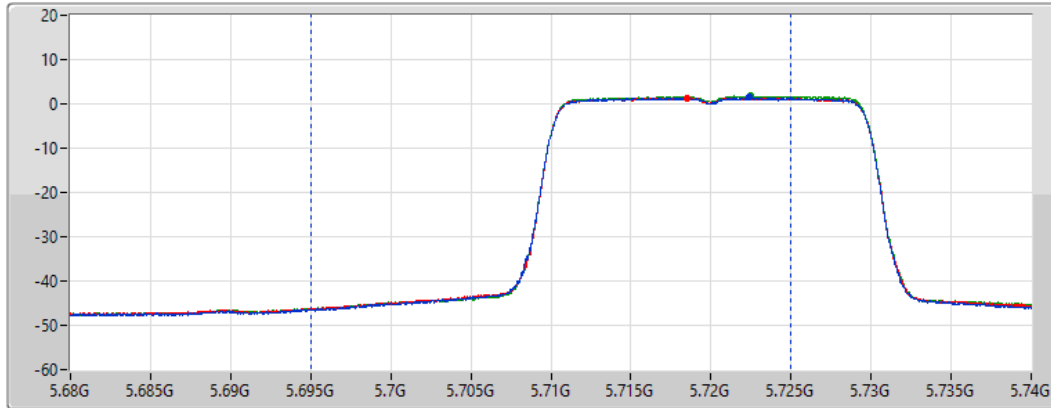
802.11ax HEW20_Nss1,(MCS0)_3TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

06/10/2021

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz



Port 1 
Port 2 
Port 3 

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
17.17	12.27	12.30	12.61

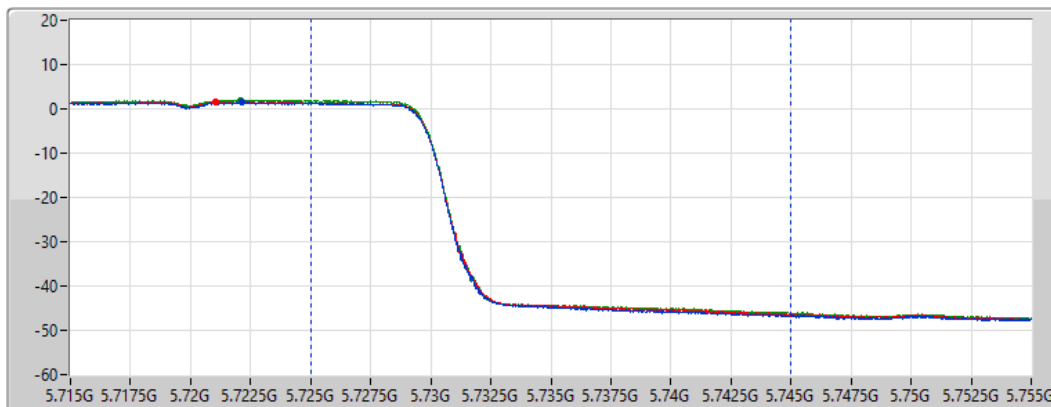
802.11ax HEW20_Nss1,(MCS0)_3TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

06/10/2021

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1 
Port 2 
Port 3 

Sum= Total Power
PX=Port X

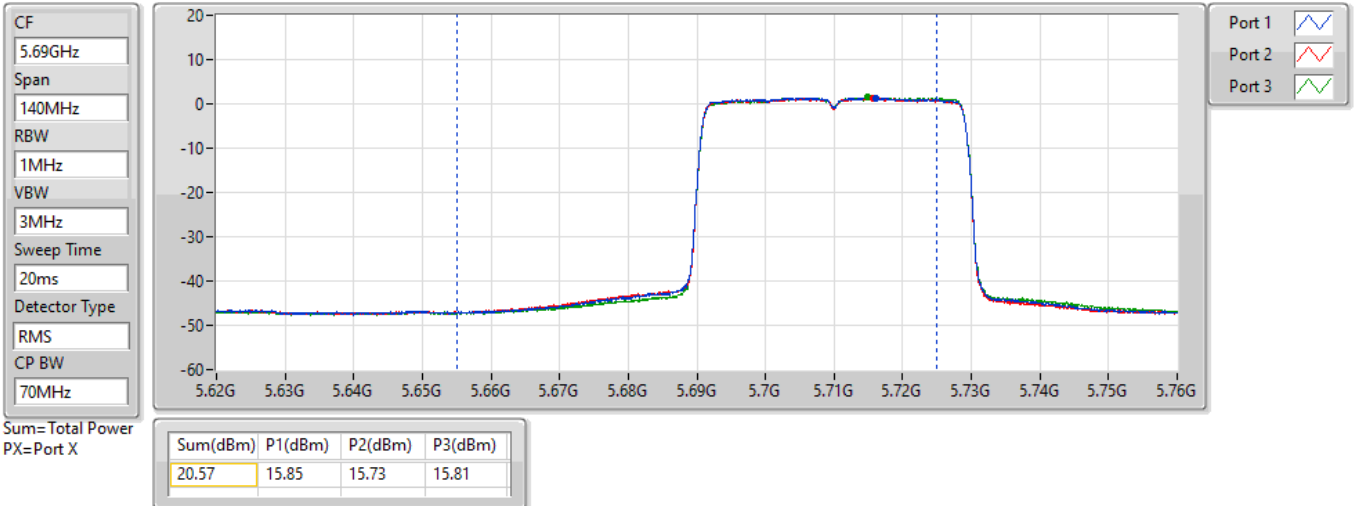
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
12.29	7.27	7.38	7.88

802.11ax HEW40_Nss1,(MCS0)_3TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

06/10/2021

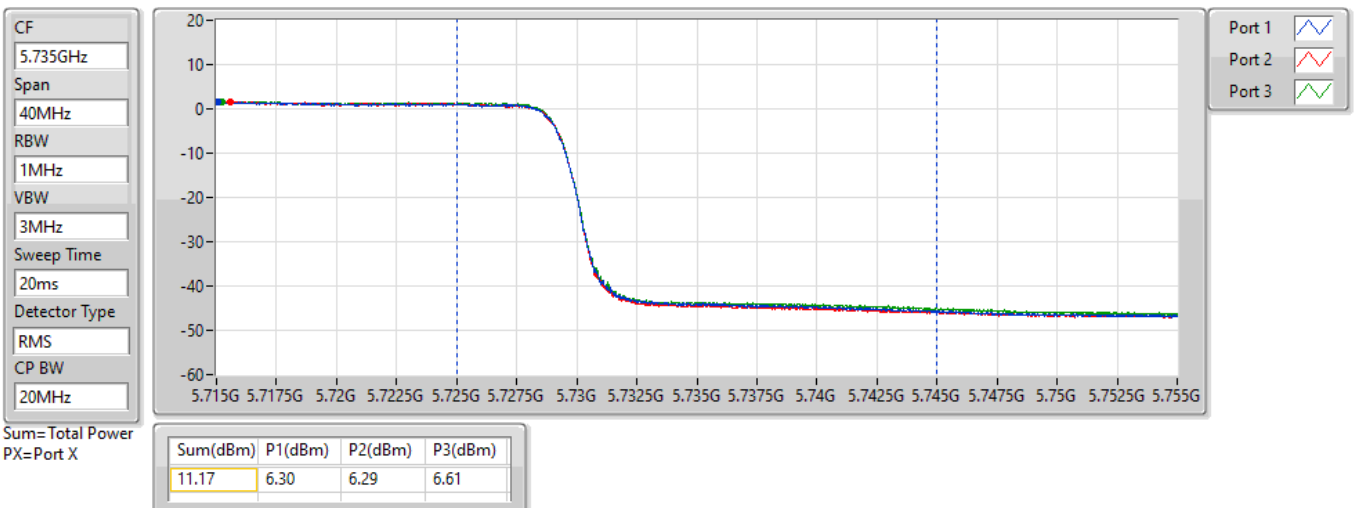


802.11ax HEW40_Nss1,(MCS0)_3TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

06/10/2021



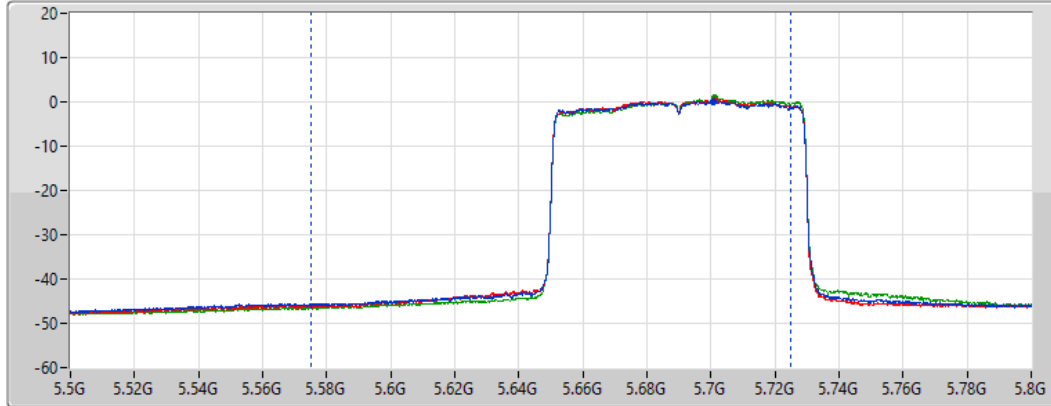
802.11ax HEW80_Nss1,(MCS0)_3TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

06/10/2021

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
150MHz



Port 1
Port 2
Port 3

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
22.33	17.42	17.60	17.64

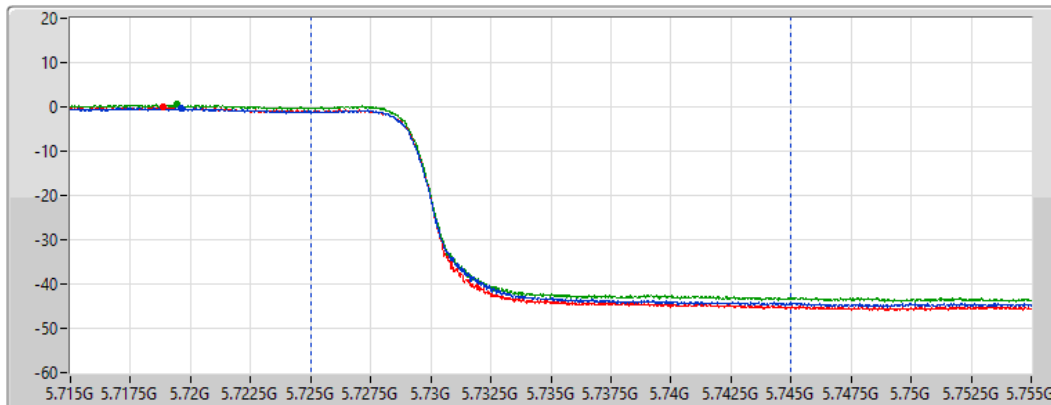
802.11ax HEW80_Nss1,(MCS0)_3TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

06/10/2021

CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3

Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)
9.57	4.44	4.52	5.38



Average Power_beamforming mode

Appendix B.4

Test Mode: Mode 2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_3TX	17.68	0.05861
802.11ax HEW40-BF_Nss1,(MCS0)_3TX	17.67	0.05848
802.11ax HEW80-BF_Nss1,(MCS0)_3TX	17.65	0.05821
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_3TX	12.29	0.01694
802.11ax HEW40-BF_Nss1,(MCS0)_3TX	8.27	0.00671
802.11ax HEW80-BF_Nss1,(MCS0)_3TX	4.86	0.00306



Average Power_beamforming mode

Appendix B.4

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5500MHz	Pass	12.27	12.72	12.68	13.27	17.67	17.71
5580MHz	Pass	12.27	12.55	12.52	13.56	17.68	17.71
5700MHz	Pass	12.27	12.92	12.37	13.23	17.63	17.71
5720MHz Straddle 5.47-5.725GHz	Pass	12.27	12.27	12.3	12.61	17.17	17.71
5720MHz Straddle 5.725-5.85GHz	Pass	12.27	7.27	7.38	7.88	12.29	23.73
802.11ax HEW40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5510MHz	Pass	12.27	12.67	12.72	13.12	17.61	17.71
5550MHz	Pass	12.27	12.83	12.52	13.27	17.66	17.71
5670MHz	Pass	12.27	13.47	12.49	12.68	17.67	17.71
5710MHz Straddle 5.47-5.725GHz	Pass	12.27	12.94	12.77	12.73	17.59	17.71
5710MHz Straddle 5.725-5.85GHz	Pass	12.27	3.56	3.37	3.57	8.27	23.73
802.11ax HEW80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5530MHz	Pass	12.27	12.41	12.72	13.18	17.55	17.71
5610MHz	Pass	12.27	13.33	12.51	12.77	17.65	17.71
5690MHz Straddle 5.47-5.725GHz	Pass	12.27	12.70	12.64	12.92	17.53	17.71
5690MHz Straddle 5.725-5.85GHz	Pass	12.27	-0.29	-0.33	0.78	4.86	23.73

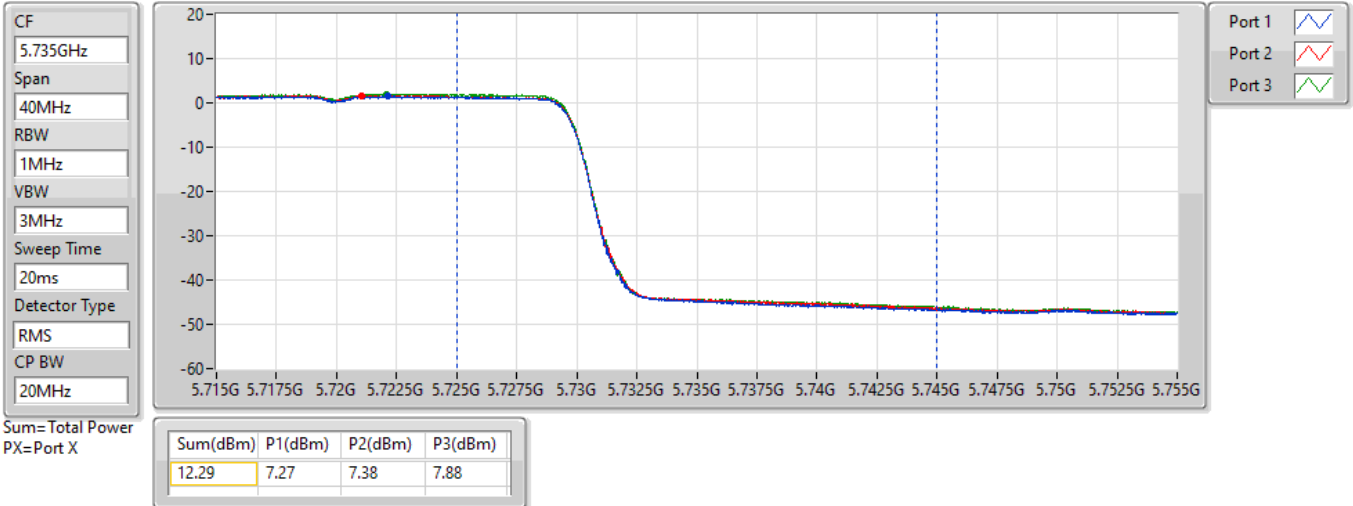
DG = Directional Gain; Port X = Port X output power

802.11ax HEW20-BF_Nss1,(MCS0)_3TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

06/10/2021

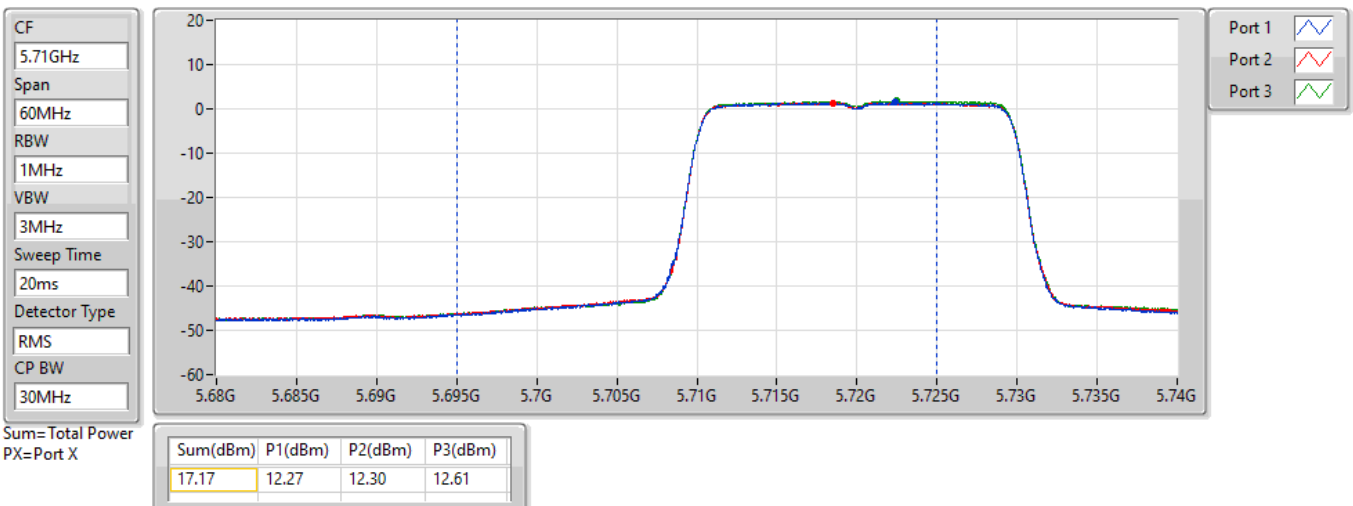


802.11ax HEW20-BF_Nss1,(MCS0)_3TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

06/10/2021

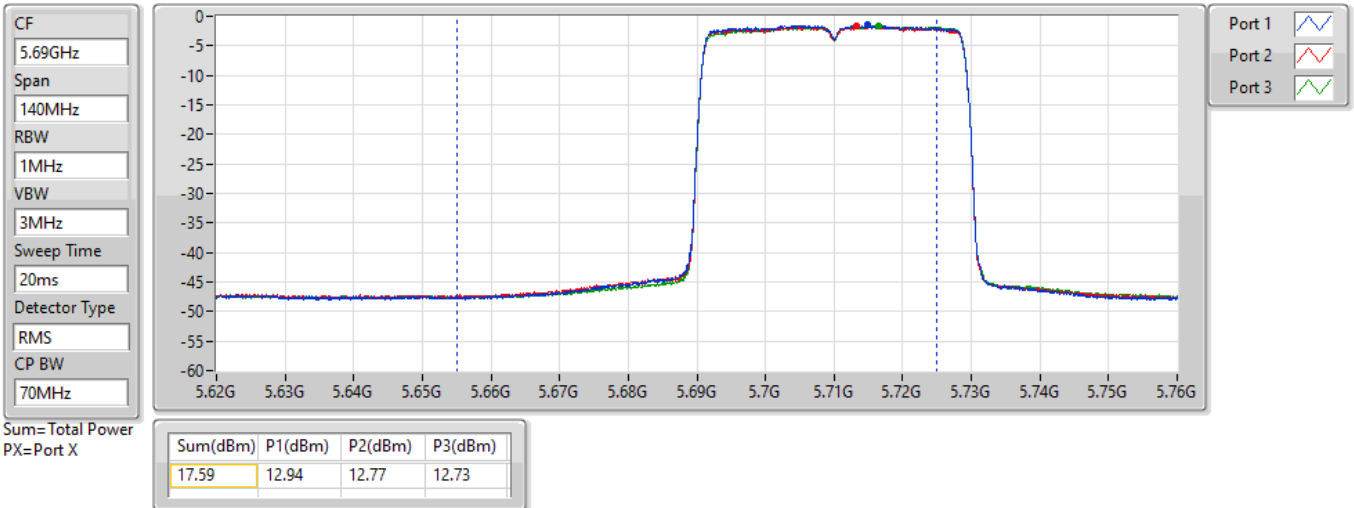


802.11ax HEW40-BF_Nss1,(MCS0)_3TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

06/10/2021

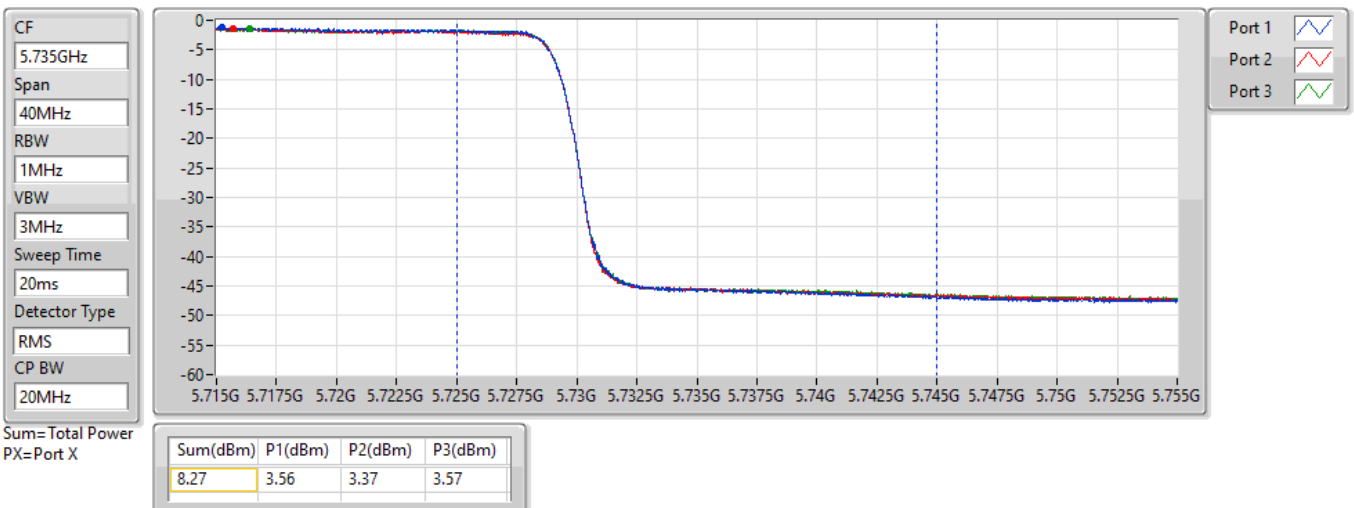


802.11ax HEW40-BF_Nss1,(MCS0)_3TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

06/10/2021

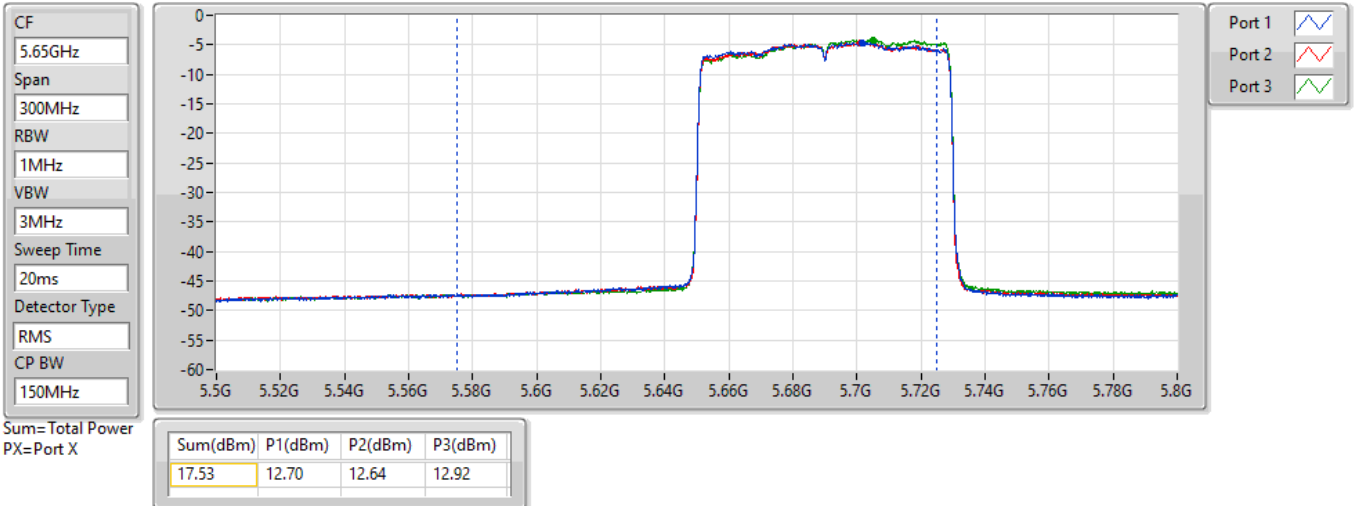


802.11ax HEW80-BF_Nss1,(MCS0)_3TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

06/10/2021

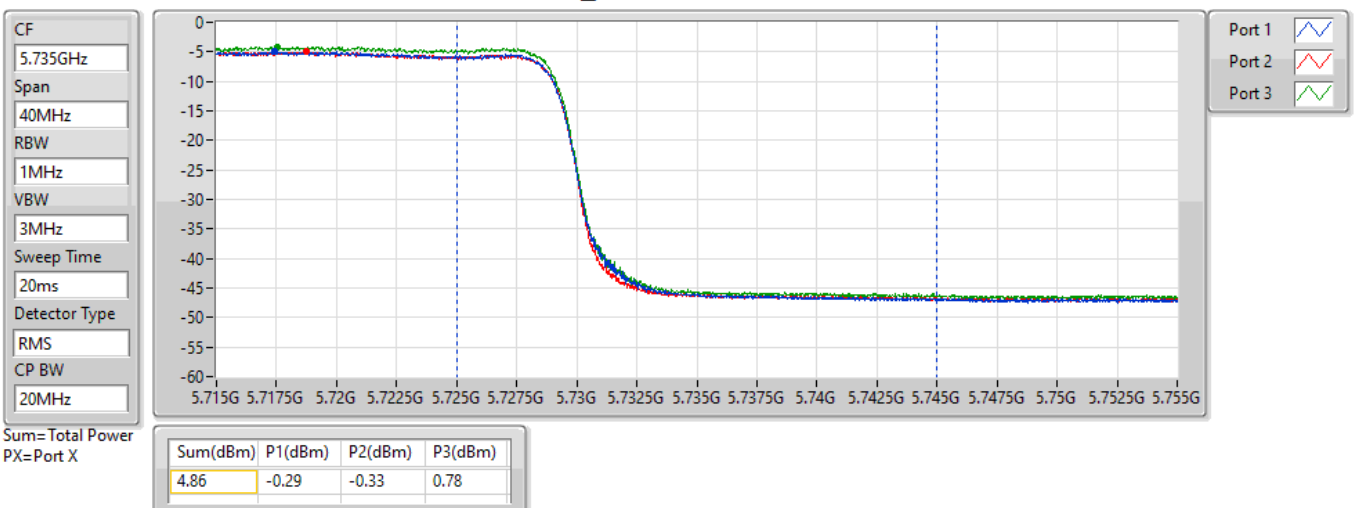


802.11ax HEW80-BF_Nss1,(MCS0)_3TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

06/10/2021





Test Mode: Mode 3
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP / EIRP [Phi 30°] (dBm)	EIRP / EIRP [Phi 30°] (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.72	0.09376	25.22/20.85	0.33266/0.12162
802.11ax HEW20_Nss1,(MCS0)_2TX	19.70	0.09333	25.20/20.83	0.33113/0.12106
802.11ax HEW40_Nss1,(MCS0)_2TX	19.67	0.09268	25.17/20.80	0.32885/0.12023
802.11ax HEW80_Nss1,(MCS0)_2TX	19.70	0.09333	25.20/20.83	0.33113/0.12106

Result

Mode	Result	Directional Gain [Power] / Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP / EIRP [Phi 30°] (dBm)	EIRP Limit / EIRP Limit [Phi 30°] (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.50/1.13	16.71	16.71	19.72	30.00	25.22/20.85	Inf/21.00
5200MHz	Pass	5.50/1.13	16.65	16.65	19.66	30.00	25.16/20.79	Inf/21.00
5240MHz	Pass	5.50/1.13	16.46	16.79	19.64	30.00	25.14/20.77	Inf/21.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.50/1.13	16.85	16.40	19.64	30.00	25.14/20.77	Inf/21.00
5200MHz	Pass	5.50/1.13	16.71	16.67	19.70	30.00	25.20/20.83	Inf/21.00
5240MHz	Pass	5.50/1.13	16.44	16.70	19.58	30.00	25.08/20.71	Inf/21.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.50/1.13	16.68	16.56	19.63	30.00	25.13/20.76	Inf/21.00
5230MHz	Pass	5.50/1.13	16.54	16.77	19.67	30.00	25.17/20.80	Inf/21.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.50/1.13	16.72	16.66	19.70	30.00	25.20/20.83	Inf/21.00

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



Test Mode: Mode 3
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP / EIRP [Phi 30°] (dBm)	EIRP / EIRP [Phi 30°] (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	16.76	0.04742	25.27/20.90	0.33651/0.12303
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	16.76	0.04742	25.27/20.90	0.33651/0.12303
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.66	0.04634	25.17/20.80	0.32885/0.12023

Result

Mode	Result	Directional Gain [Power] / Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP / EIRP [Phi 30°] (dBm)	EIRP Limit / EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.51/4.14	13.82	13.37	16.61	27.49	25.12/20.75	Inf/21.00
5200MHz	Pass	8.51/4.14	13.80	13.70	16.76	27.49	25.27/20.90	Inf/21.00
5240MHz	Pass	8.51/4.14	13.47	13.66	16.58	27.49	25.09/20.72	Inf/21.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.51/4.14	13.90	13.50	16.71	27.49	25.22/20.85	Inf/21.00
5230MHz	Pass	8.51/4.14	13.79	13.71	16.76	27.49	25.27/20.90	Inf/21.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.51/4.14	13.80	13.50	16.66	27.49	25.17/20.80	Inf/21.00

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



**Test Mode: Mode 4
Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP / EIRP [Phi 30°] (dBm)	EIRP / EIRP [Phi 30°] (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.72	0.09376	25.22/11.74	0.33266/0.01493
802.11ax HEW20_Nss1,(MCS0)_2TX	19.70	0.09333	25.20/11.72	0.33113/0.01486
802.11ax HEW40_Nss1,(MCS0)_2TX	19.67	0.09268	25.17/11.69	0.32885/0.01475
802.11ax HEW80_Nss1,(MCS0)_2TX	19.70	0.09333	25.20/11.72	0.33113/0.01486

Result

Mode	Result	Directional Gain [Power] / Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP / EIRP [Phi 30°] (dBm)	EIRP Limit / EIRP Limit [Phi 30°] (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.50/-7.98	16.71	16.71	19.72	30.00	25.22/11.74	Inf/21.00
5200MHz	Pass	5.50/-7.98	16.65	16.65	19.66	30.00	25.16/11.68	Inf/21.00
5240MHz	Pass	5.50/-7.98	16.46	16.79	19.64	30.00	25.14/11.66	Inf/21.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.50/-7.98	16.85	16.40	19.64	30.00	25.14/11.66	Inf/21.00
5200MHz	Pass	5.50/-7.98	16.71	16.67	19.70	30.00	25.20/11.72	Inf/21.00
5240MHz	Pass	5.50/-7.98	16.44	16.70	19.58	30.00	25.08/11.60	Inf/21.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.50/-7.98	16.68	16.56	19.63	30.00	25.13/11.65	Inf/21.00
5230MHz	Pass	5.50/-7.98	16.54	16.77	19.67	30.00	25.17/11.69	Inf/21.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.50/-7.98	16.72	16.66	19.70	30.00	25.20/11.72	Inf/21.00

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



**Test Mode: Mode 4
Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP / EIRP [Phi 30°] (dBm)	EIRP / EIRP [Phi 30°] (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	16.76	0.04742	25.27/11.79	0.33651/0.01510
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	16.76	0.04742	25.27/11.79	0.33651/0.01510
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.66	0.04634	25.17/11.69	0.32885/0.01476

Result

Mode	Result	Directional Gain [Power] / Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP / EIRP [Phi 30°] (dBm)	EIRP Limit / EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.51/-4.97	13.82	13.37	16.61	27.49	25.12/11.64	Inf/21.00
5200MHz	Pass	8.51/-4.97	13.80	13.70	16.76	27.49	25.27/11.79	Inf/21.00
5240MHz	Pass	8.51/-4.97	13.47	13.66	16.58	27.49	25.09/11.61	Inf/21.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.51/-4.97	13.90	13.50	16.71	27.49	25.22/11.74	Inf/21.00
5230MHz	Pass	8.51/-4.97	13.79	13.71	16.76	27.49	25.27/11.79	Inf/21.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.51/-4.97	13.80	13.50	16.66	27.49	25.17/11.69	Inf/21.00

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

Test Mode: Mode 1

Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.45
802.11ax HEW20_Nss1,(MCS0)_2TX	8.37
802.11ax HEW40_Nss1,(MCS0)_2TX	7.38
802.11ax HEW80_Nss1,(MCS0)_2TX	3.80

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	8.51	5.23	5.49	8.29	8.49
5300MHz	Pass	8.51	5.13	5.81	8.41	8.49
5320MHz	Pass	8.51	5.08	5.96	8.45	8.49
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	8.51	5.33	5.47	8.36	8.49
5300MHz	Pass	8.51	5.15	5.58	8.31	8.49
5320MHz	Pass	8.51	5.04	5.74	8.37	8.49
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	8.51	4.62	4.13	7.38	8.49
5310MHz	Pass	8.51	4.19	3.65	6.85	8.49
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	8.51	0.94	0.78	3.80	8.49

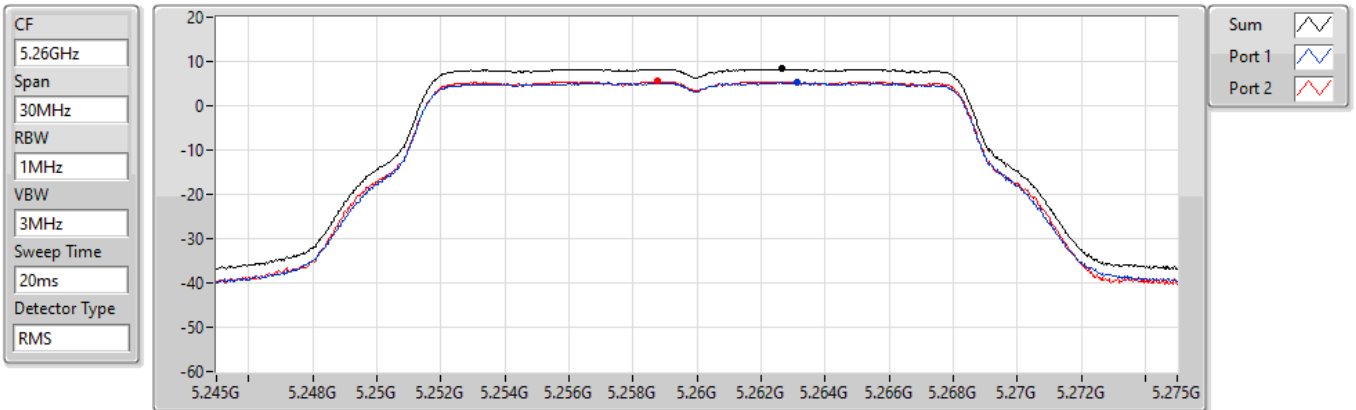
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

12/08/2021



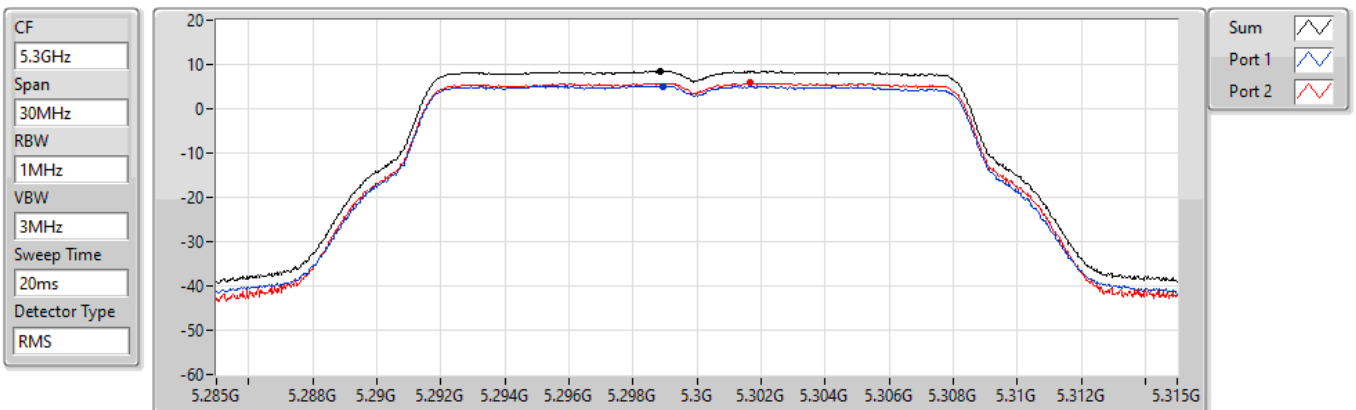
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.29	8.29	5.23	5.49

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

12/08/2021



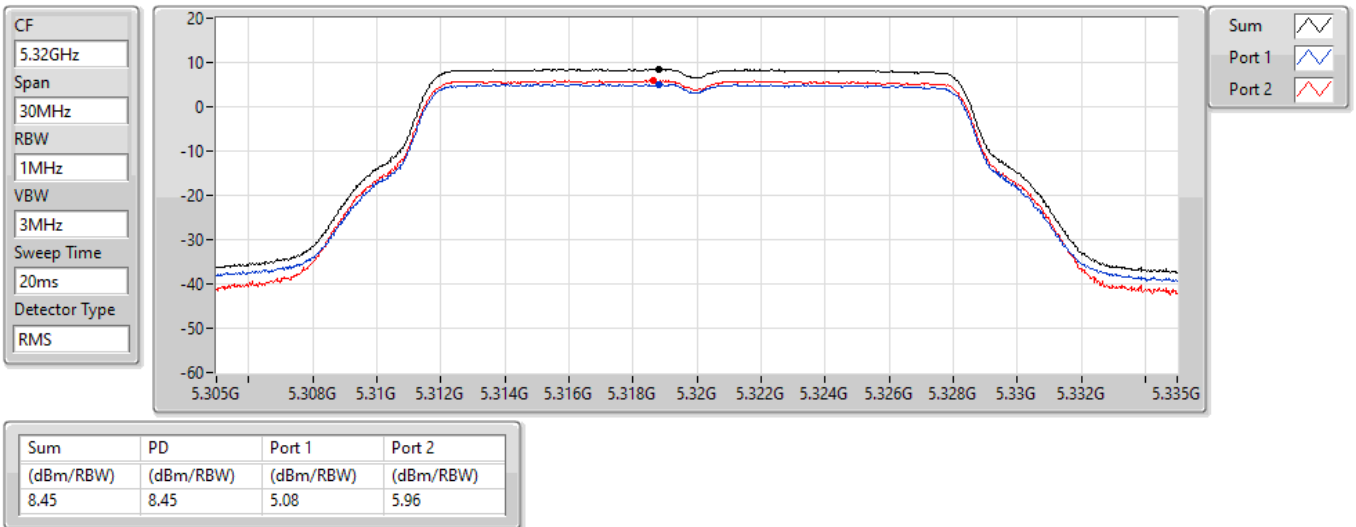
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.41	8.41	5.13	5.81

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

12/08/2021

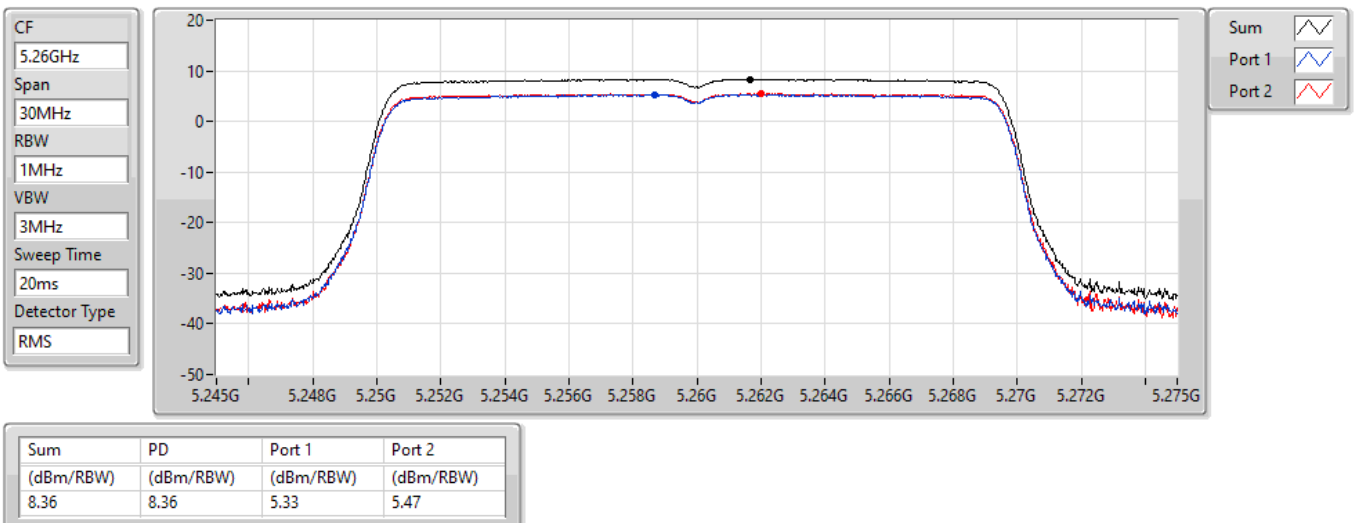


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5260MHz

12/08/2021

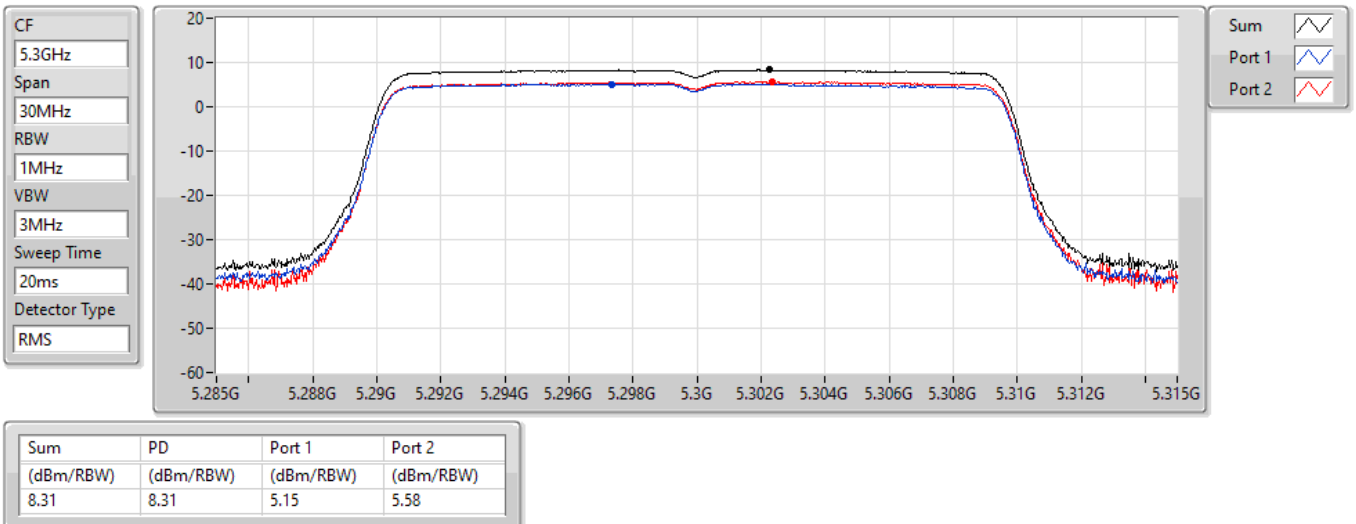


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5300MHz

12/08/2021

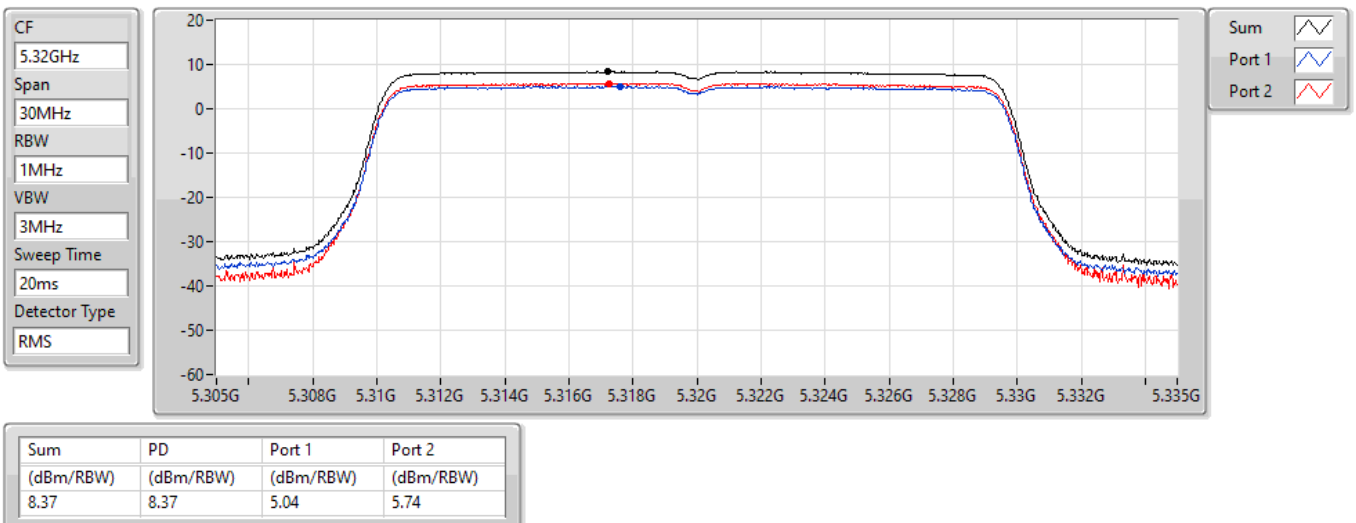


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5320MHz

12/08/2021

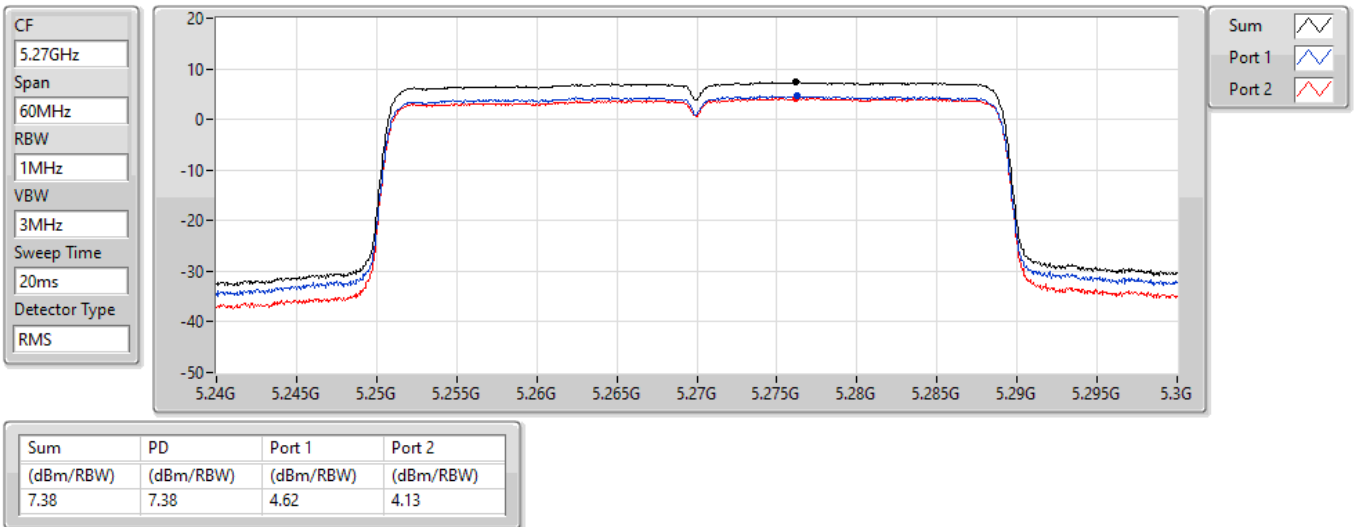


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5270MHz

12/08/2021

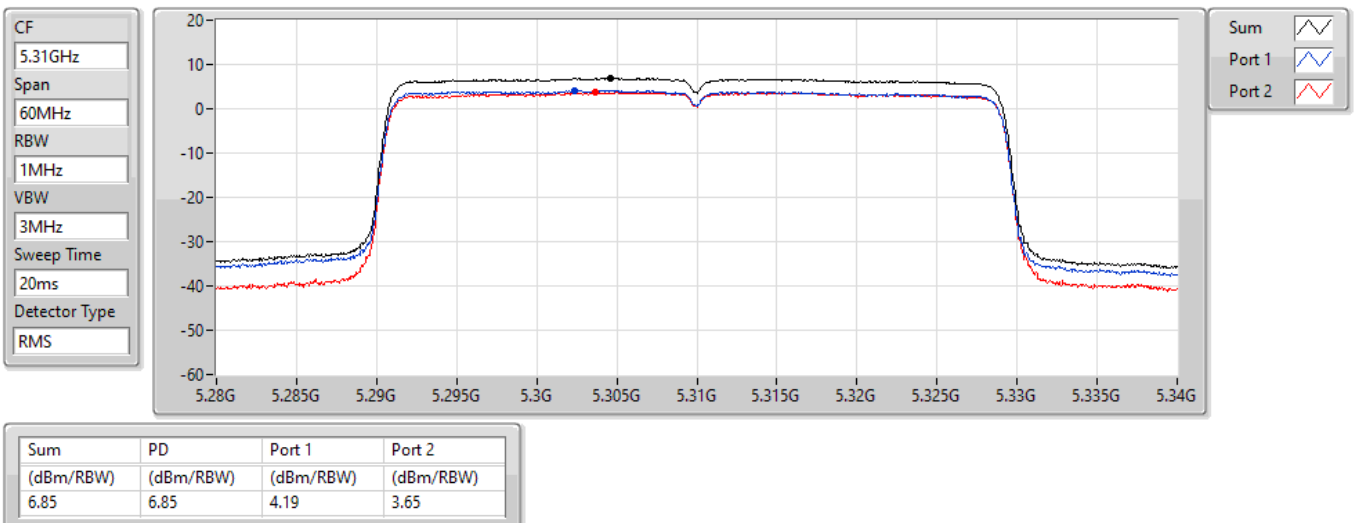


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5310MHz

12/08/2021

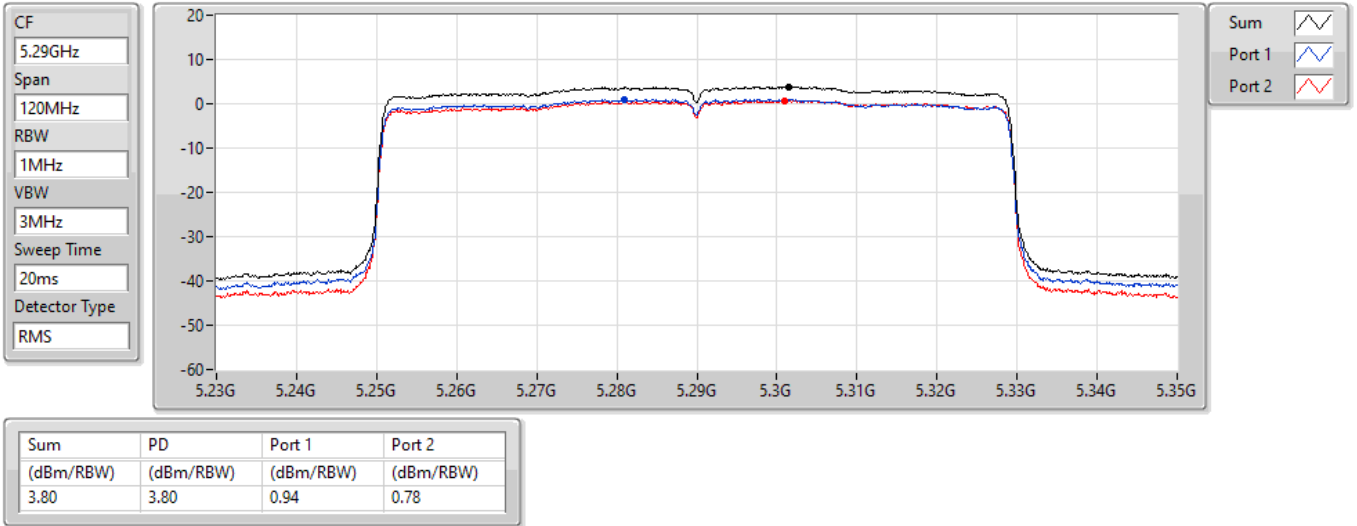


802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz

PSD

12/08/2021



Test Mode: Mode 2

Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_3TX	4.62
802.11ax HEW20_Nss1,(MCS0)_3TX	4.69
802.11ax HEW40_Nss1,(MCS0)_3TX	4.58
802.11ax HEW80_Nss1,(MCS0)_3TX	3.64
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_3TX	2.87
802.11ax HEW20_Nss1,(MCS0)_3TX	3.26
802.11ax HEW40_Nss1,(MCS0)_3TX	2.85
802.11ax HEW80_Nss1,(MCS0)_3TX	1.32

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
5500MHz	Pass	12.27	-0.25	-0.54	0.36	4.60	4.73
5580MHz	Pass	12.27	-0.21	-0.49	0.58	4.62	4.73
5700MHz	Pass	12.27	0.03	-0.86	0.27	4.55	4.73
5720MHz Straddle 5.47-5.725GHz	Pass	12.27	-0.25	-0.07	0.03	4.57	4.73
5720MHz Straddle 5.725-5.85GHz	Pass	12.27	-2.03	-1.86	-1.46	2.87	23.73
802.11ax HEW20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5500MHz	Pass	12.27	-0.33	-0.49	0.37	4.60	4.73
5580MHz	Pass	12.27	-0.17	-0.48	0.52	4.69	4.73
5700MHz	Pass	12.27	0.11	-0.73	0.29	4.64	4.73
5720MHz Straddle 5.47-5.725GHz	Pass	12.27	-0.15	-0.13	0.29	4.69	4.73
5720MHz Straddle 5.725-5.85GHz	Pass	12.27	-1.76	-1.66	-1.12	3.26	23.73
802.11ax HEW40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5510MHz	Pass	12.27	-0.35	-0.41	0.19	4.55	4.73
5550MHz	Pass	12.27	-0.28	-0.47	0.21	4.58	4.73
5670MHz	Pass	12.27	0.29	-0.36	-0.27	4.56	4.73
5710MHz Straddle 5.47-5.725GHz	Pass	12.27	-0.15	-0.19	-0.07	4.56	4.73
5710MHz Straddle 5.725-5.85GHz	Pass	12.27	-1.89	-1.79	-1.74	2.85	23.73
802.11ax HEW80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5530MHz	Pass	12.27	-1.61	-1.34	-0.75	3.46	4.73
5610MHz	Pass	12.27	-0.96	-1.52	-1.42	3.40	4.73
5690MHz Straddle 5.47-5.725GHz	Pass	12.27	-1.34	-1.11	-0.74	3.64	4.73
5690MHz Straddle 5.725-5.85GHz	Pass	12.27	-3.55	-3.58	-2.84	1.32	23.73

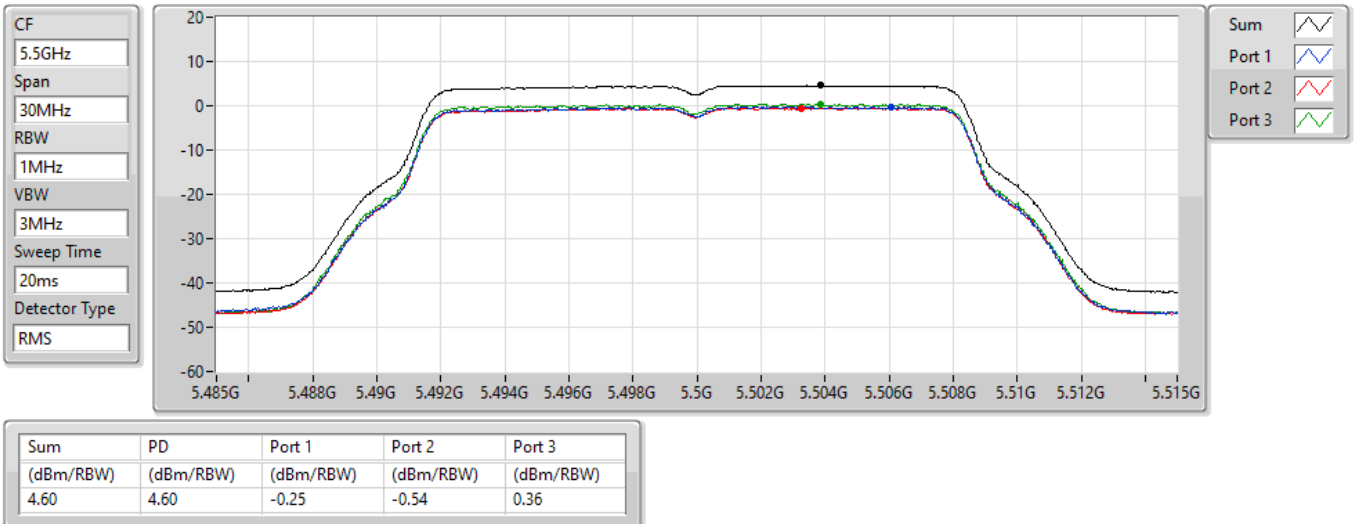
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_3TX

PSD

5500MHz

12/08/2021

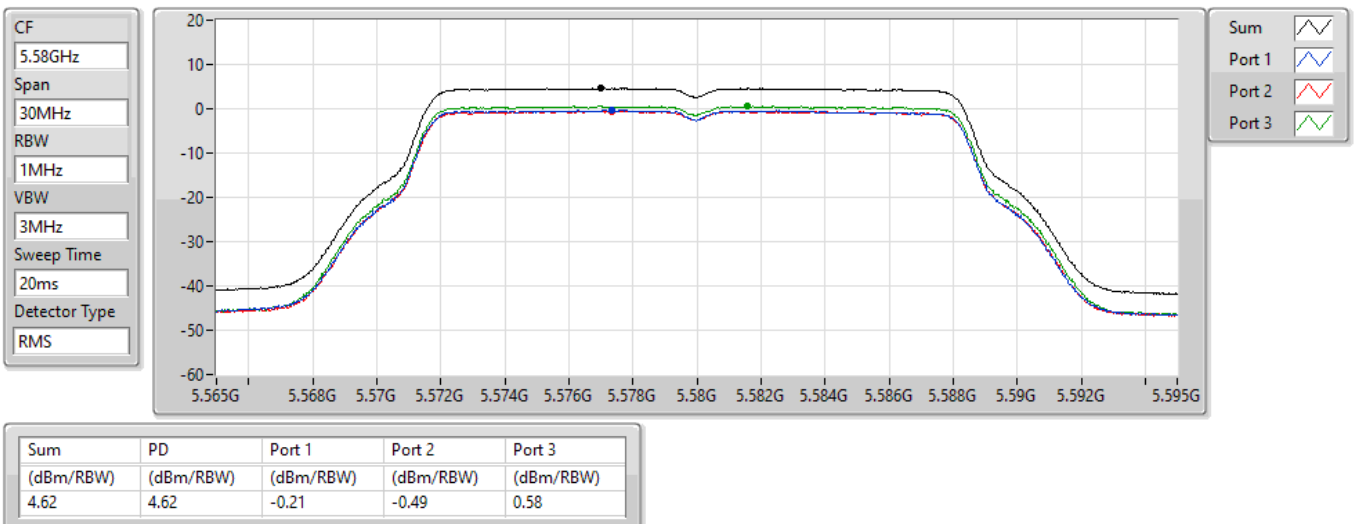


802.11a_Nss1,(6Mbps)_3TX

PSD

5580MHz

12/08/2021

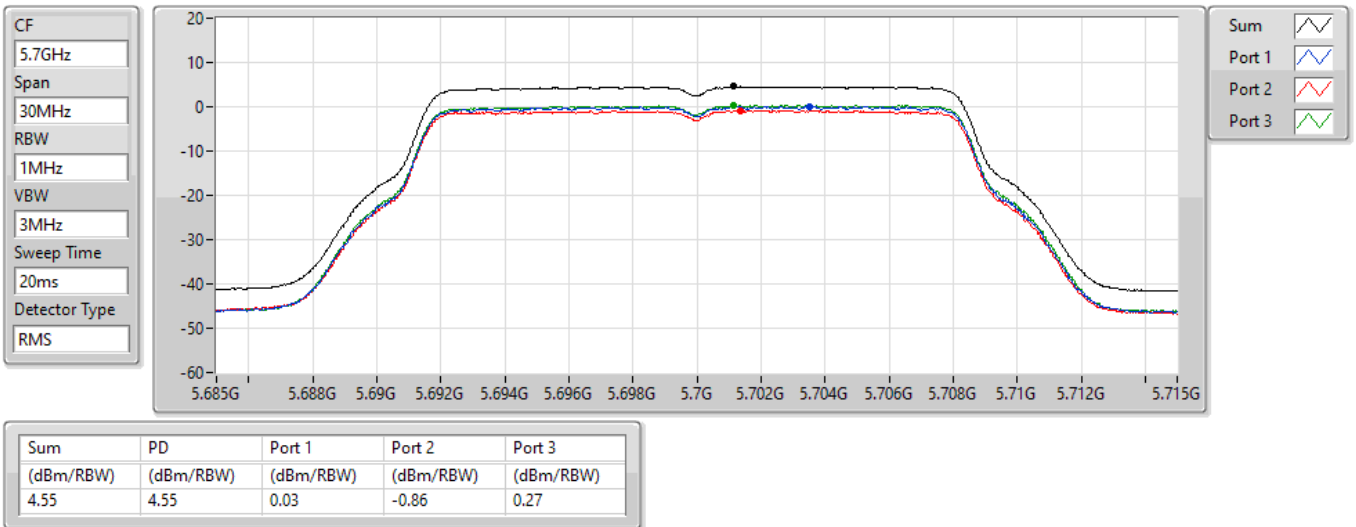


802.11a_Nss1,(6Mbps)_3TX

PSD

5700MHz

12/08/2021

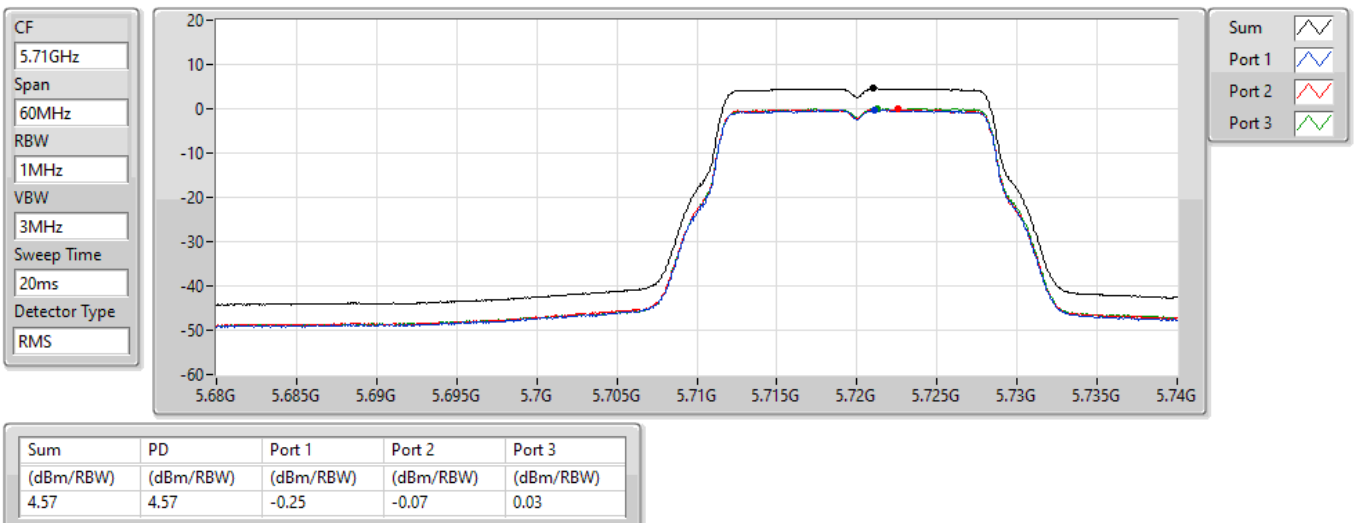


802.11a_Nss1,(6Mbps)_3TX

PSD

5720MHz Straddle 5.47-5.725GHz

06/10/2021

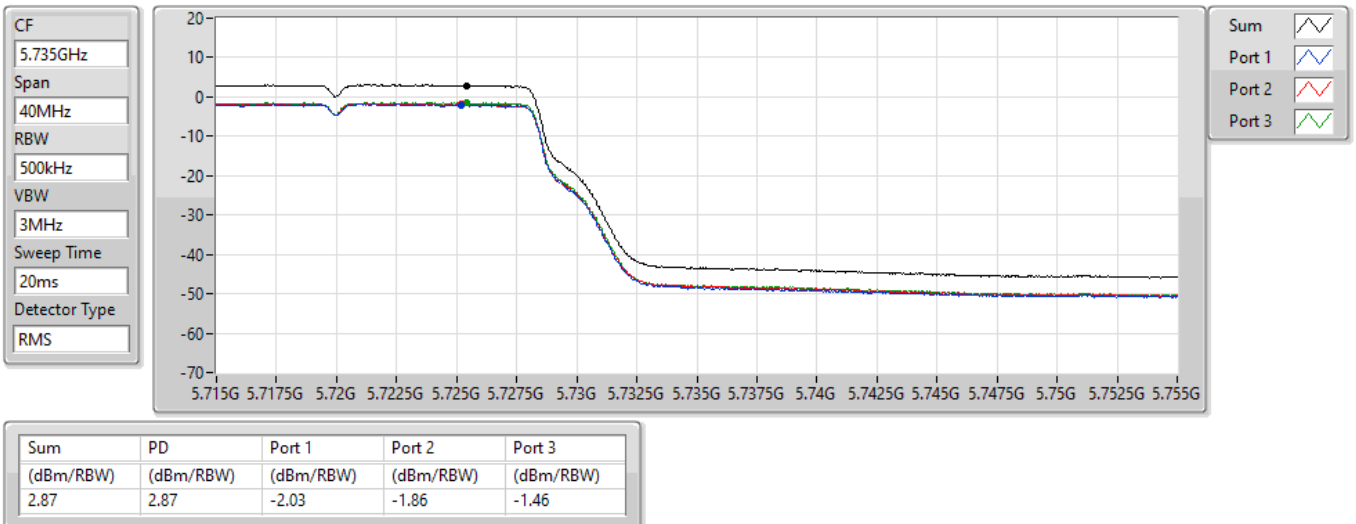


802.11a_Nss1,(6Mbps)_3TX

5720MHz Straddle 5.725-5.85GHz

PSD

06/10/2021

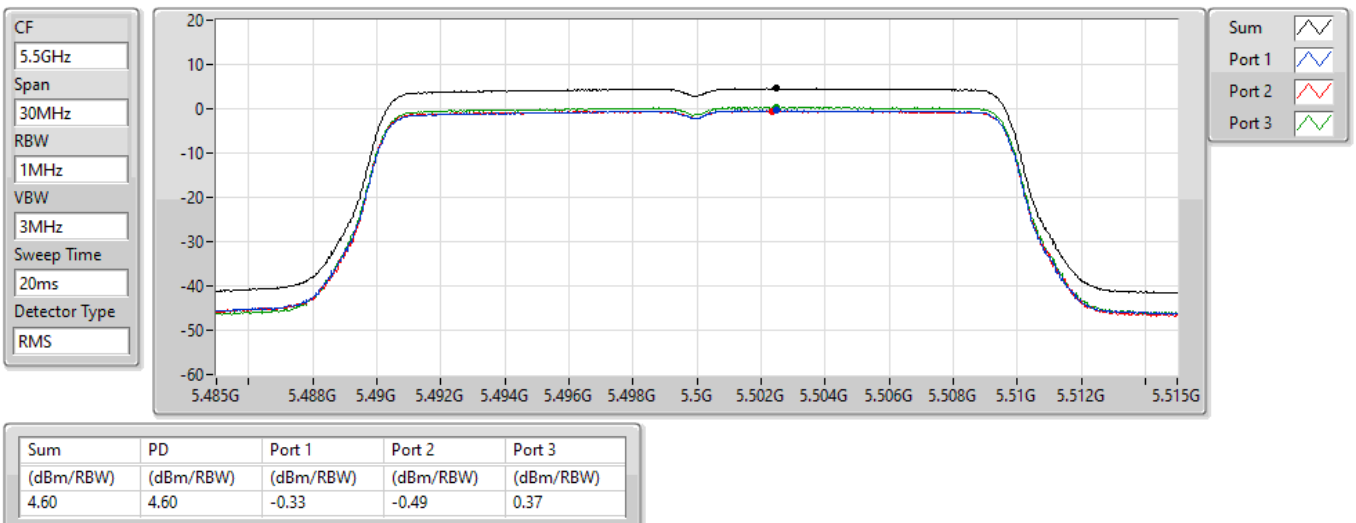


802.11ax HEW20_Nss1,(MCS0)_3TX

5500MHz

PSD

12/08/2021

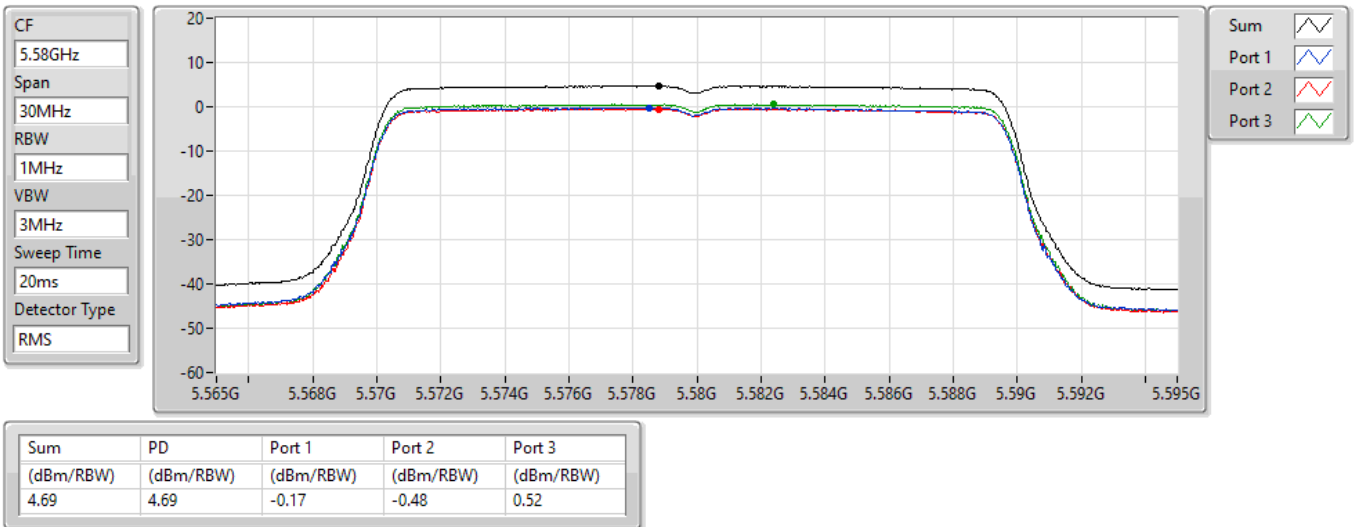


802.11ax HEW20_Nss1,(MCS0)_3TX

PSD

5580MHz

12/08/2021

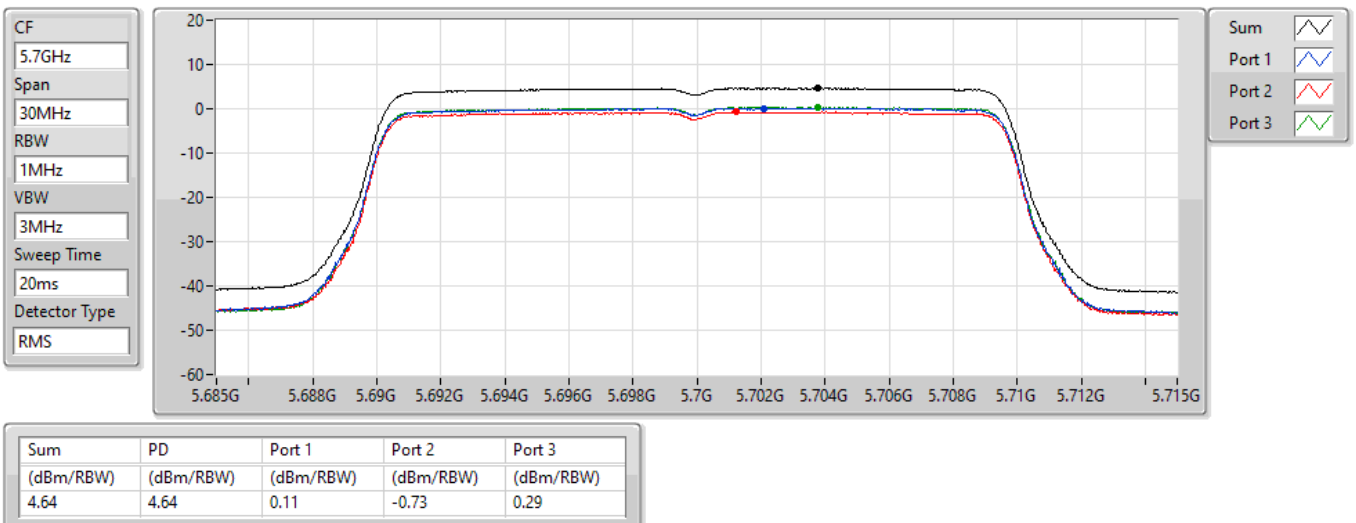


802.11ax HEW20_Nss1,(MCS0)_3TX

PSD

5700MHz

12/08/2021

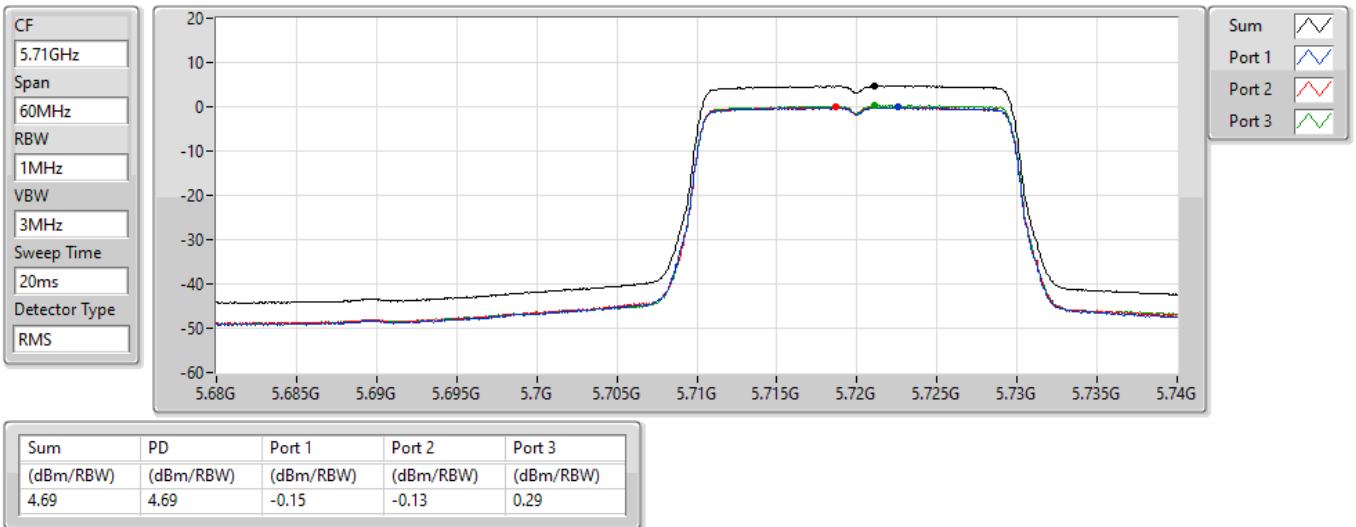


802.11ax HEW20_Nss1,(MCS0)_3TX

5720MHz Straddle 5.47-5.725GHz

PSD

06/10/2021

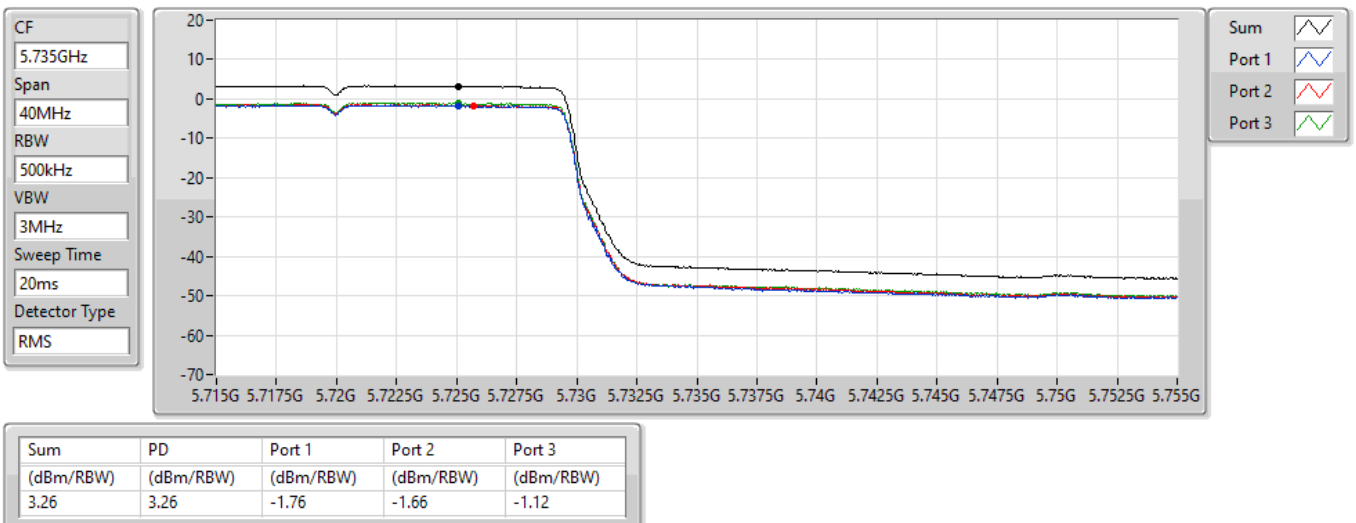


802.11ax HEW20_Nss1,(MCS0)_3TX

5720MHz Straddle 5.725-5.85GHz

PSD

06/10/2021

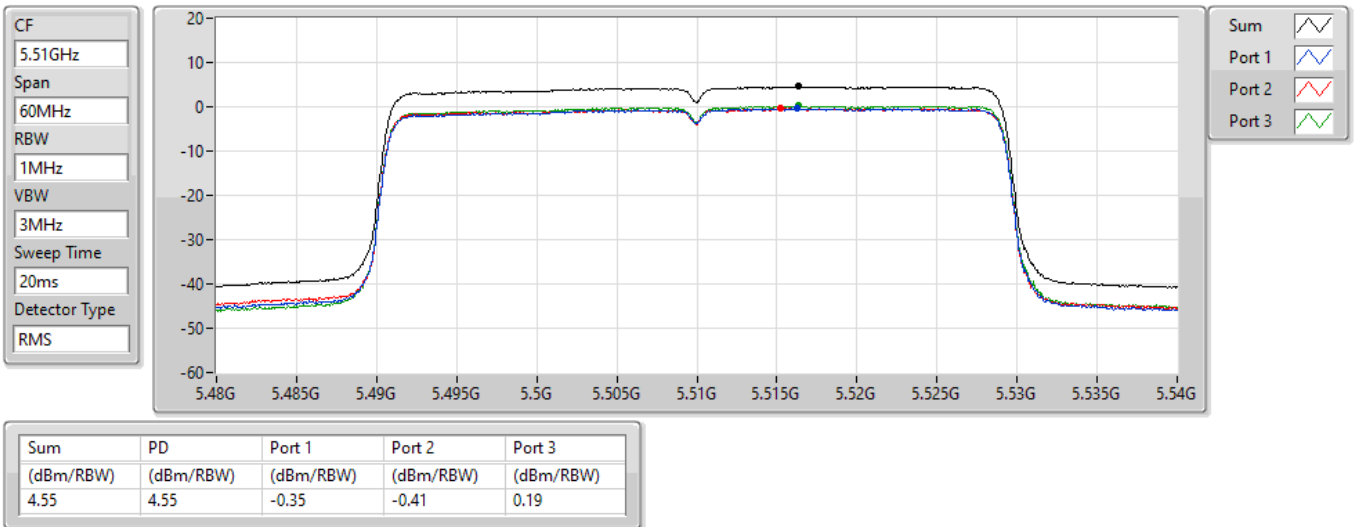


802.11ax HEW40_Nss1,(MCS0)_3TX

PSD

5510MHz

12/08/2021

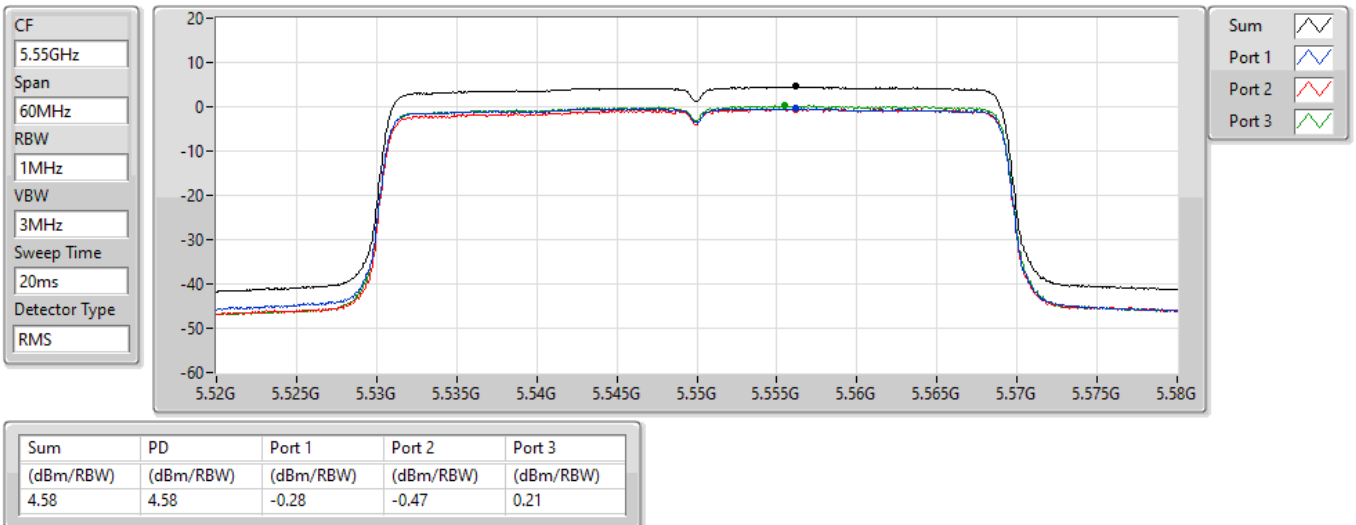


802.11ax HEW40_Nss1,(MCS0)_3TX

PSD

5550MHz

12/08/2021

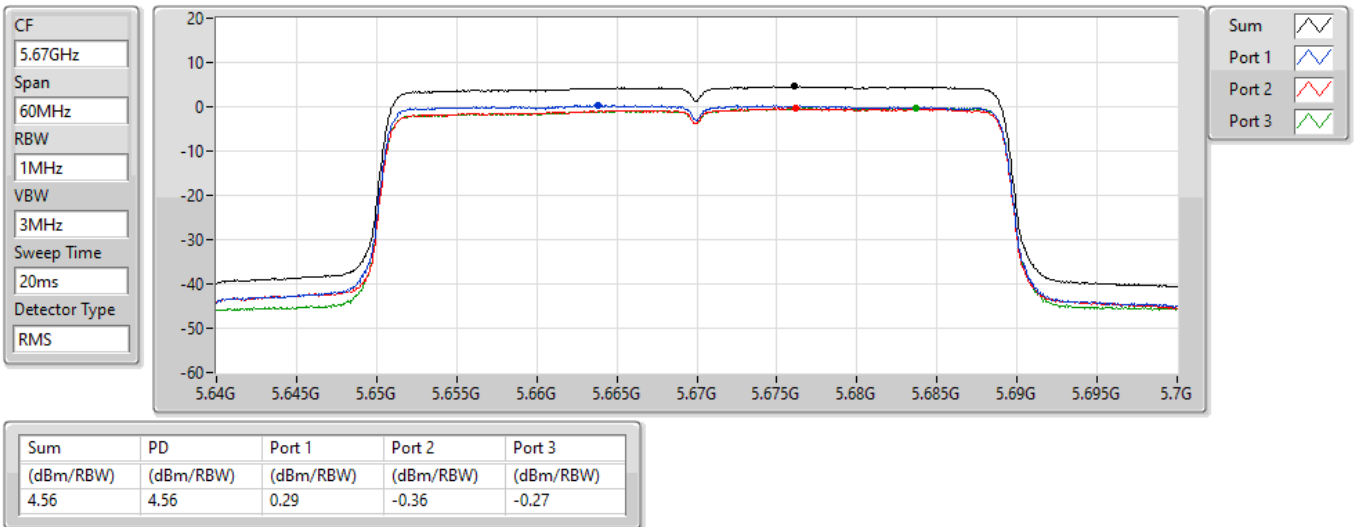


802.11ax HEW40_Nss1,(MCS0)_3TX

PSD

5670MHz

12/08/2021

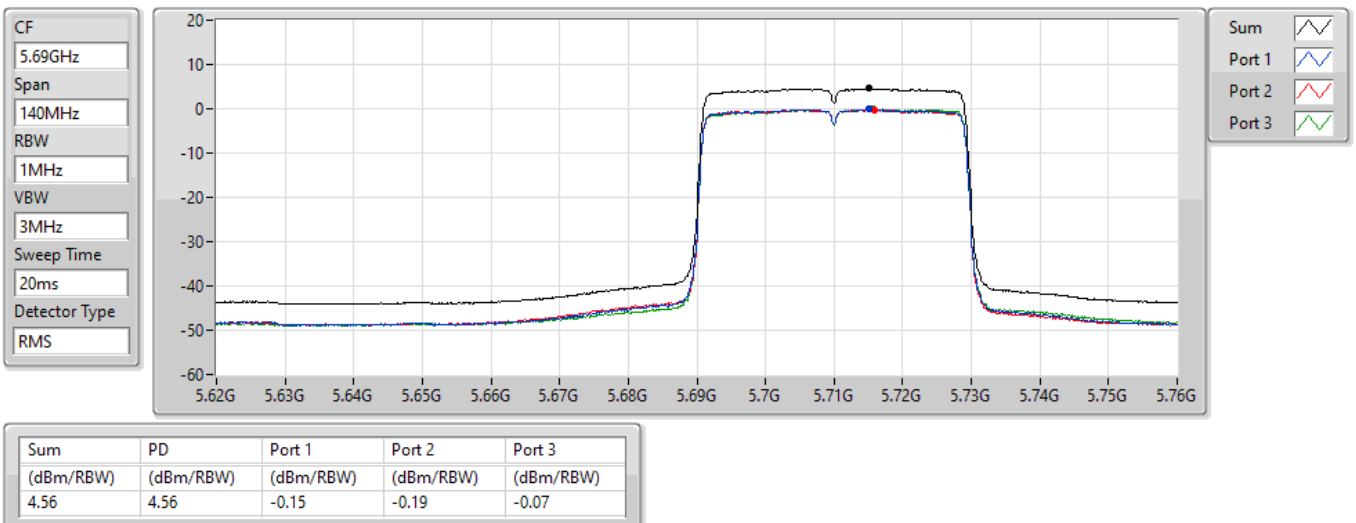


802.11ax HEW40_Nss1,(MCS0)_3TX

PSD

5710MHz Straddle 5.47-5.725GHz

06/10/2021

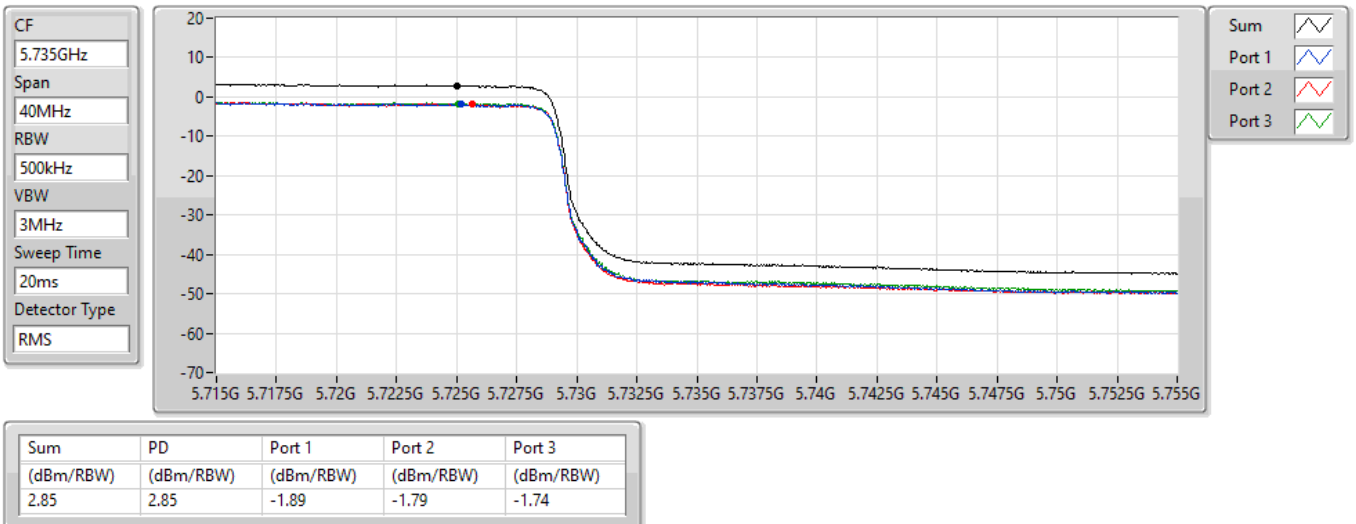


802.11ax HEW40_Nss1,(MCS0)_3TX

5710MHz Straddle 5.725-5.85GHz

PSD

06/10/2021

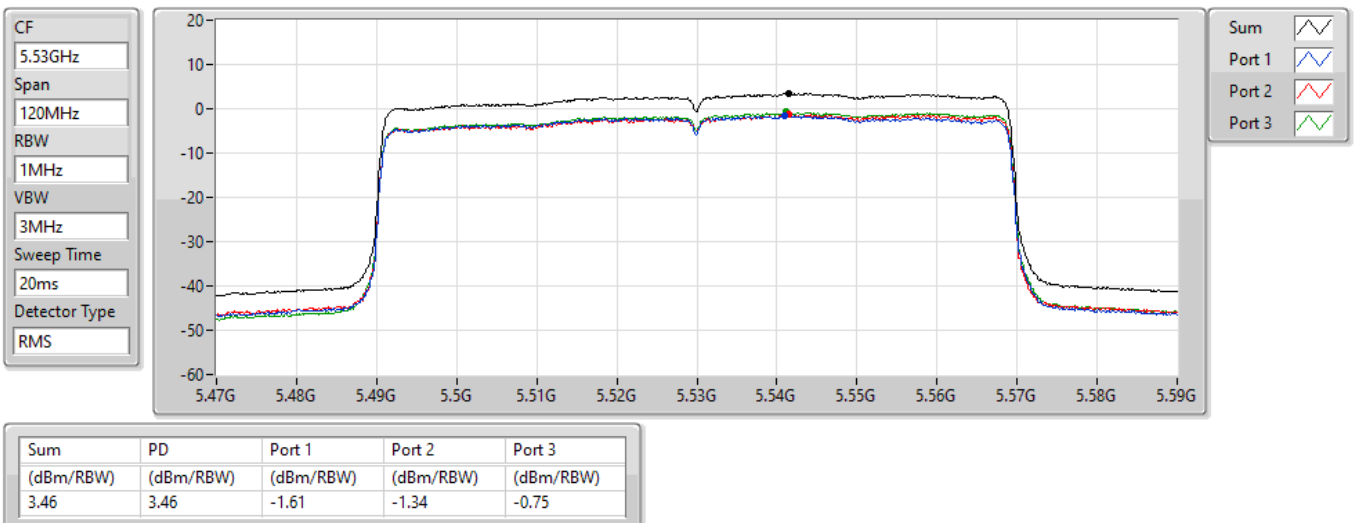


802.11ax HEW80_Nss1,(MCS0)_3TX

5530MHz

PSD

12/08/2021

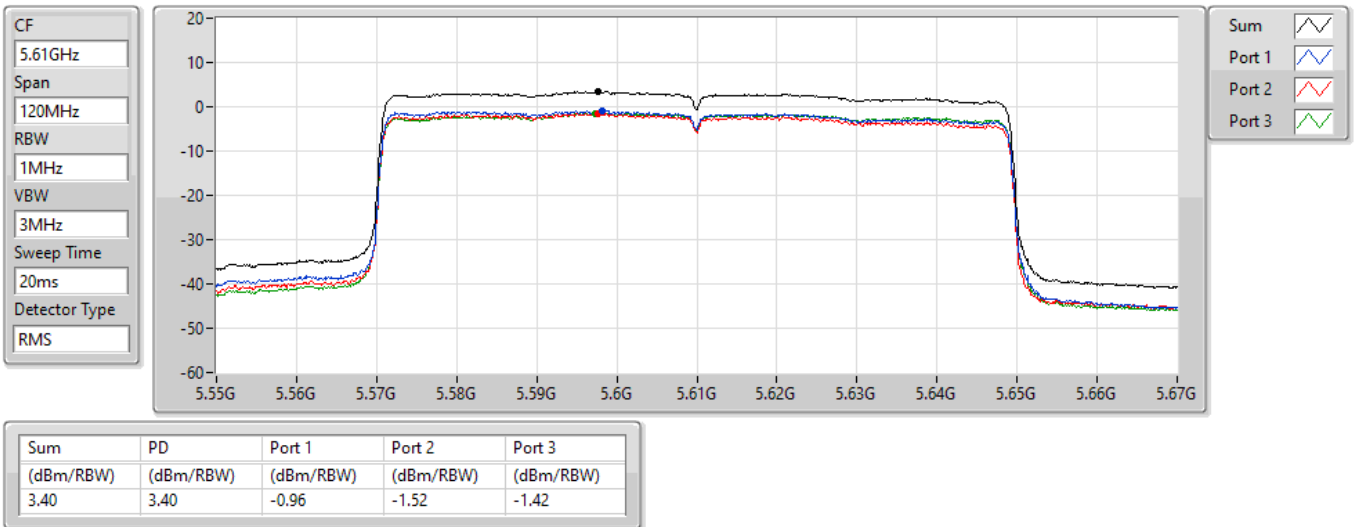


802.11ax HEW80_Nss1,(MCS0)_3TX

PSD

5610MHz

12/08/2021

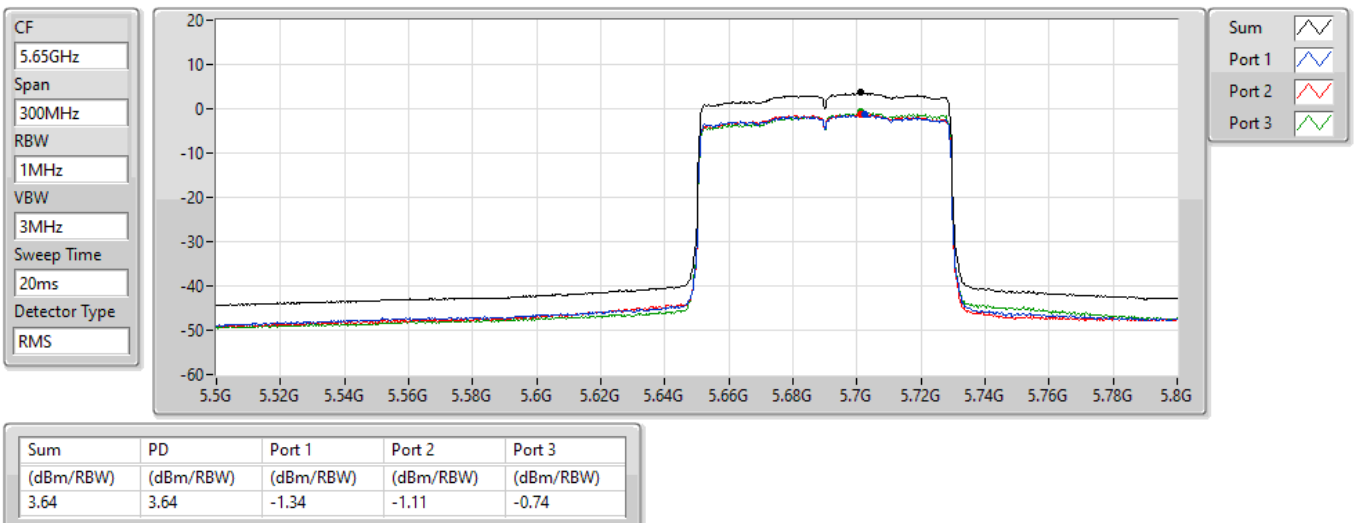


802.11ax HEW80_Nss1,(MCS0)_3TX

PSD

5690MHz Straddle 5.47-5.725GHz

06/10/2021

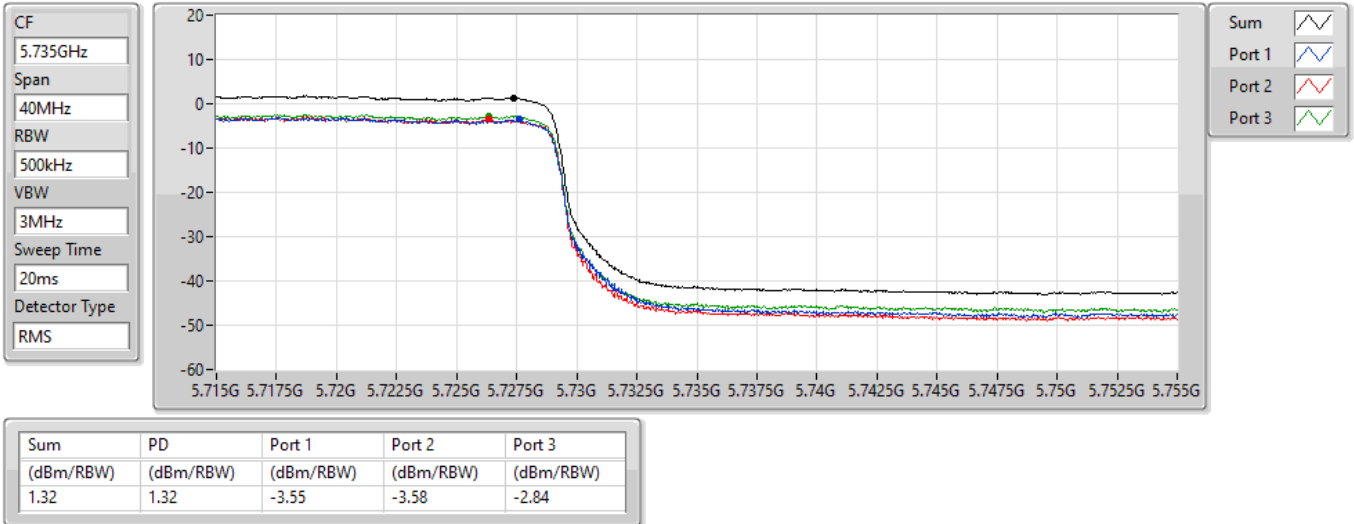


802.11ax HEW80_Nss1,(MCS0)_3TX

5690MHz Straddle 5.725-5.85GHz

PSD

06/10/2021





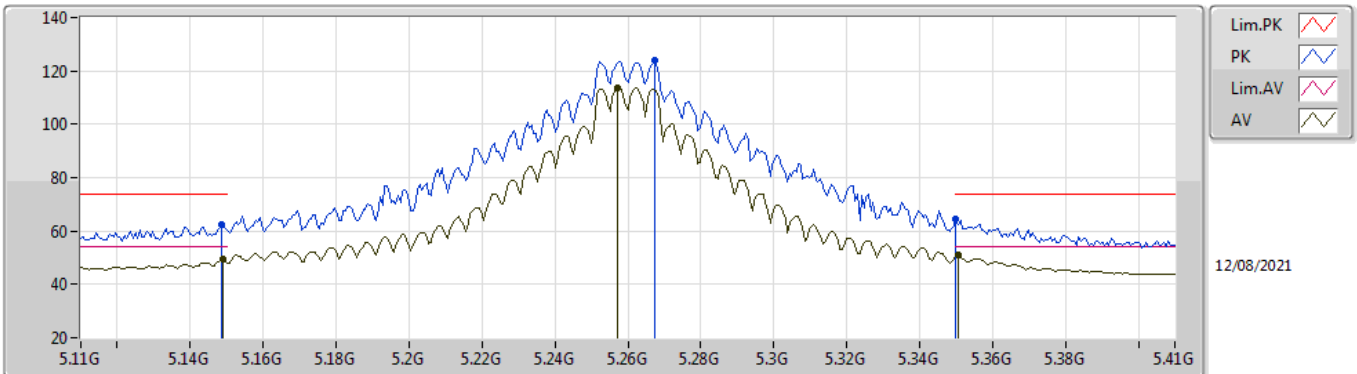
Test Mode: Mode 1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.3512G	53.84	54.00	-0.16	3	Vertical	40	2.14	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TnomVnom

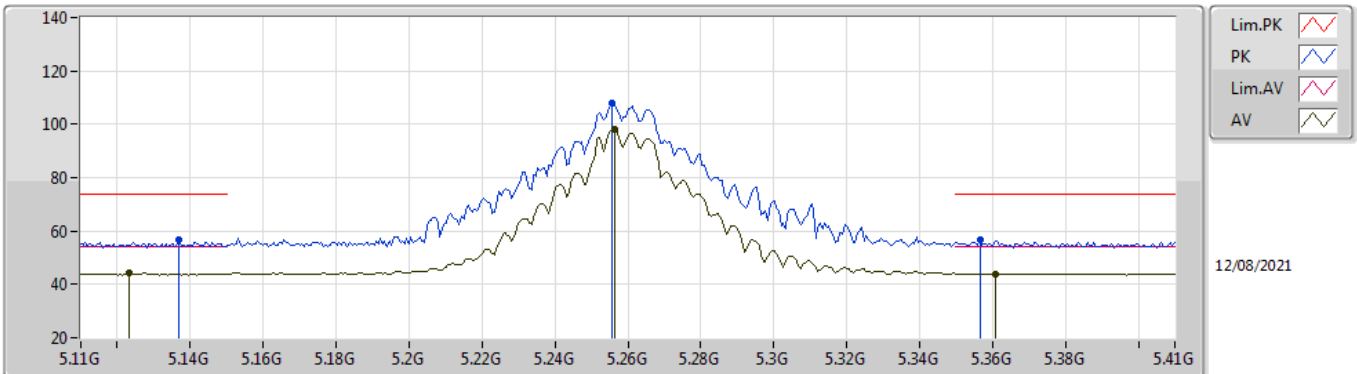


EUT V_2TX
Setting 108
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1484G	62.35	74.00	-11.65	56.00	3	Vertical	38	2.07	-	33.50	5.00	32.15
AV	5.149G	49.26	54.00	-4.74	42.91	3	Vertical	38	2.07	-	33.50	5.00	32.15
PK	5.2672G	123.77	Inf	-Inf	117.21	3	Vertical	38	2.07	-	33.63	5.07	32.14
AV	5.257G	113.58	Inf	-Inf	107.04	3	Vertical	38	2.07	-	33.61	5.07	32.14
PK	5.35G	64.26	74.00	-9.74	57.67	3	Vertical	38	2.07	-	33.70	5.03	32.14
AV	5.3506G	50.84	54.00	-3.16	44.26	3	Vertical	38	2.07	-	33.70	5.02	32.14

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TnomVnom

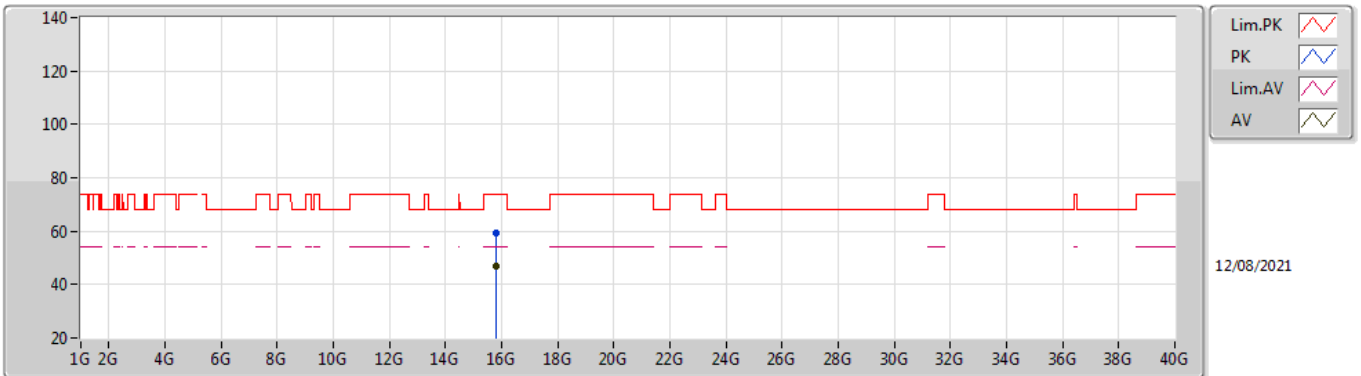


EUT_V_2TX
Setting 108
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.137G	56.48	74.00	-17.52	50.16	3	Horizontal	115	2.17	-	33.50	4.97	32.15
AV	5.1232G	44.08	54.00	-9.92	37.78	3	Horizontal	115	2.17	-	33.50	4.95	32.15
PK	5.2558G	107.82	Inf	-Inf	101.28	3	Horizontal	115	2.17	-	33.61	5.07	32.14
AV	5.2564G	97.85	Inf	-Inf	91.31	3	Horizontal	115	2.17	-	33.61	5.07	32.14
PK	5.3566G	56.51	74.00	-17.49	49.92	3	Horizontal	115	2.17	-	33.71	5.02	32.14
AV	5.3608G	44.04	54.00	-9.96	37.44	3	Horizontal	115	2.17	-	33.72	5.02	32.14

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TnomVnom

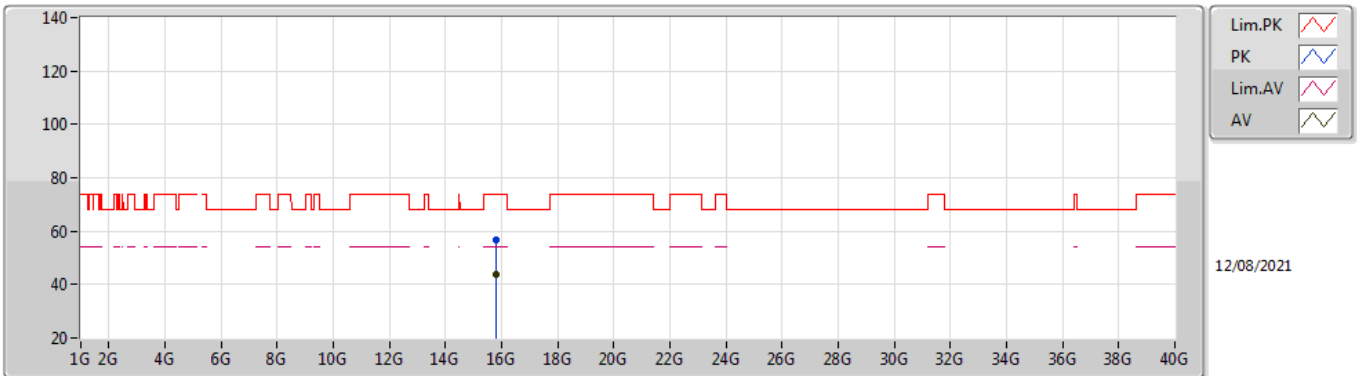


EUT_V_2TX
Setting 108
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.7868G	59.21	74.00	-14.79	46.17	3	Vertical	348	1.84	-	37.40	9.13	33.49	
AV	15.782G	46.77	54.00	-7.23	33.73	3	Vertical	348	1.84	-	37.40	9.12	33.48	

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TnomVnom

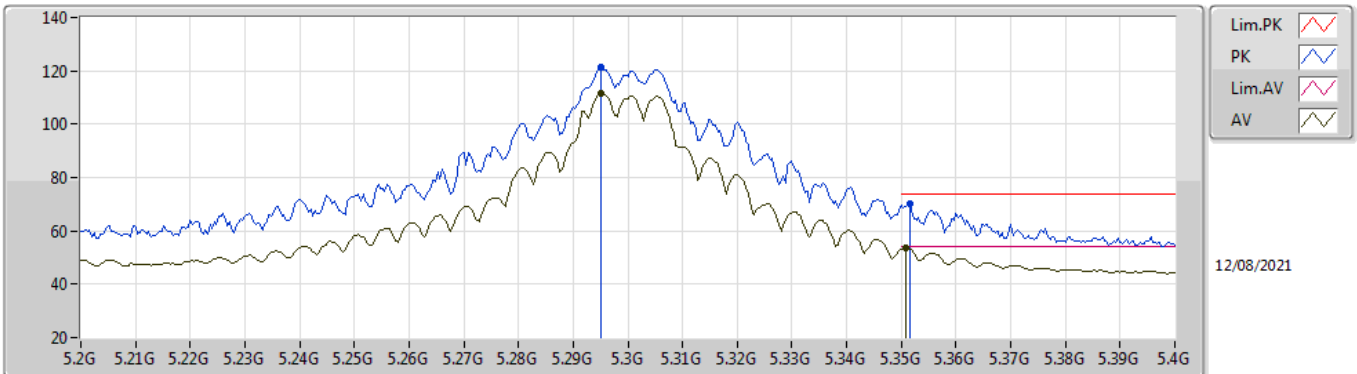


EUT V_2TX
Setting 108
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.782G	56.62	74.00	-17.38	43.58	3	Horizontal	335	2.16	-	37.40	9.12	33.48
AV	15.7822G	43.59	54.00	-10.41	30.55	3	Horizontal	335	2.16	-	37.40	9.12	33.48

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TnomVnom

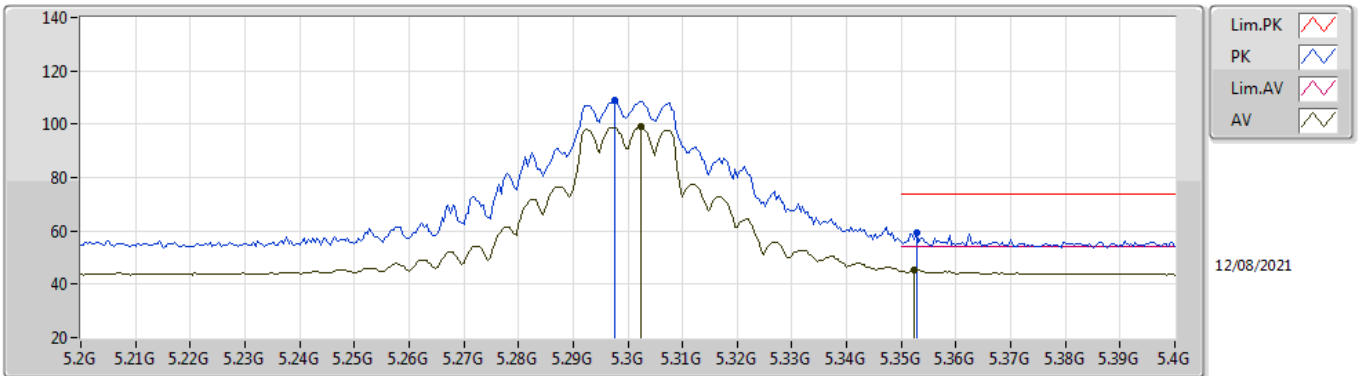


EUT_V_2TX
Setting 101
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.2952G	121.58	Inf	-Inf	114.98	3	Vertical	40	1.87	-	33.69	5.05	32.14
AV	5.2952G	111.38	Inf	-Inf	104.78	3	Vertical	40	1.87	-	33.69	5.05	32.14
PK	5.3516G	70.41	74.00	-3.59	63.83	3	Vertical	40	1.87	-	33.70	5.02	32.14
AV	5.3508G	53.79	54.00	-0.21	47.21	3	Vertical	40	1.87	-	33.70	5.02	32.14

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TnomVnom

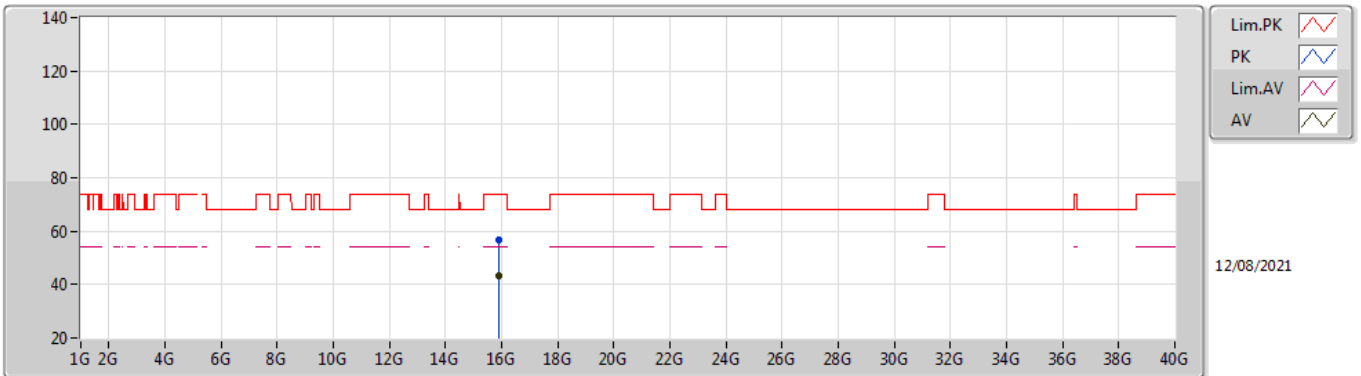


EUT V_2TX
Setting 101
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.2976G	108.73	Inf	-Inf	102.12	3	Horizontal	143	2.06	-	33.70	5.05	32.14
AV	5.3024G	99.19	Inf	-Inf	92.58	3	Horizontal	143	2.06	-	33.70	5.05	32.14
PK	5.3528G	59.38	74.00	-14.62	52.79	3	Horizontal	143	2.06	-	33.71	5.02	32.14
AV	5.3524G	45.25	54.00	-8.75	38.67	3	Horizontal	143	2.06	-	33.70	5.02	32.14

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TnomVnom

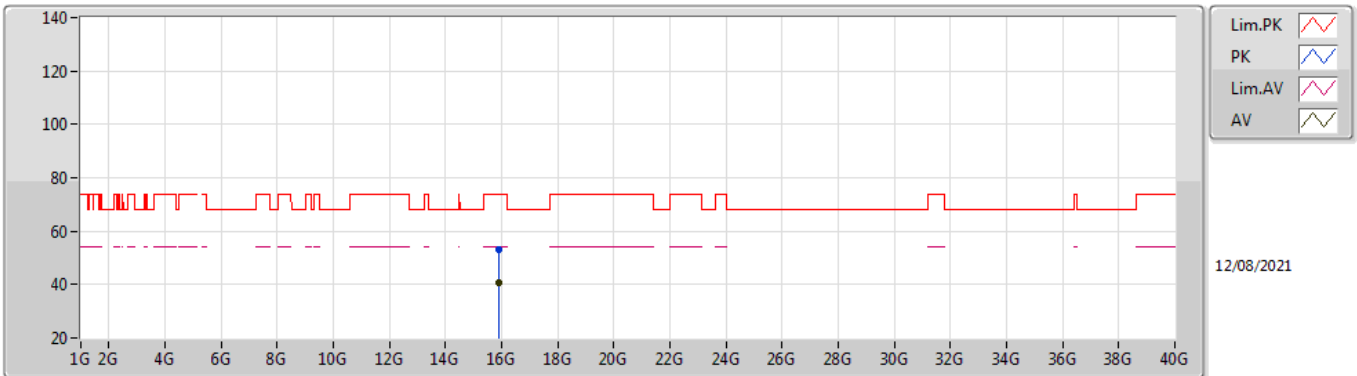


EUT V_2TX
Setting 101
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.8933G	56.56	74.00	-17.44	43.52	3	Vertical	330	1.29	-	37.49	9.16	33.61
AV	15.898G	43.37	54.00	-10.63	30.33	3	Vertical	330	1.29	-	37.50	9.16	33.62

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TnomVnom

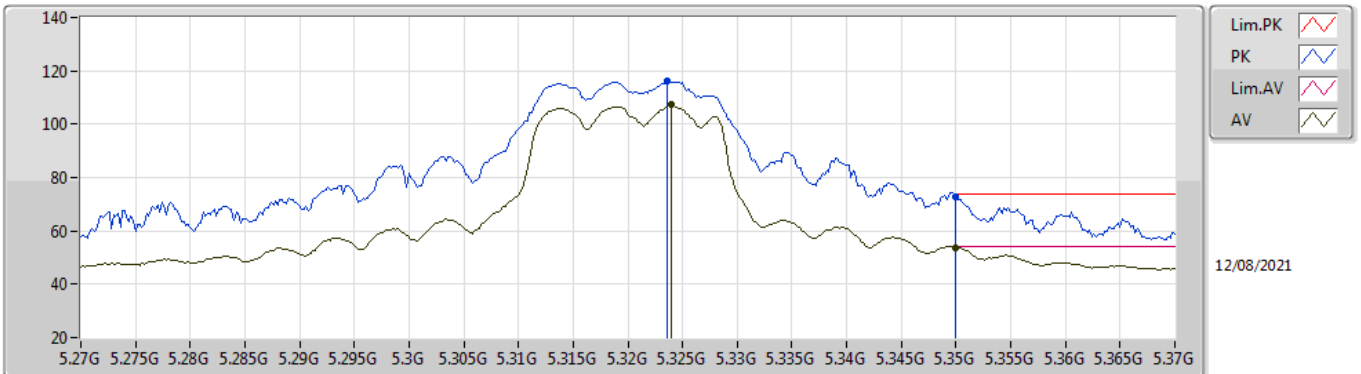


EUT_V_2TX
Setting 101
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.8938G	52.94	74.00	-21.06	39.90	3	Horizontal	166	1.20	-	37.49	9.16	33.61
AV	15.898G	40.69	54.00	-13.31	27.65	3	Horizontal	166	1.20	-	37.50	9.16	33.62

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TnomVnom

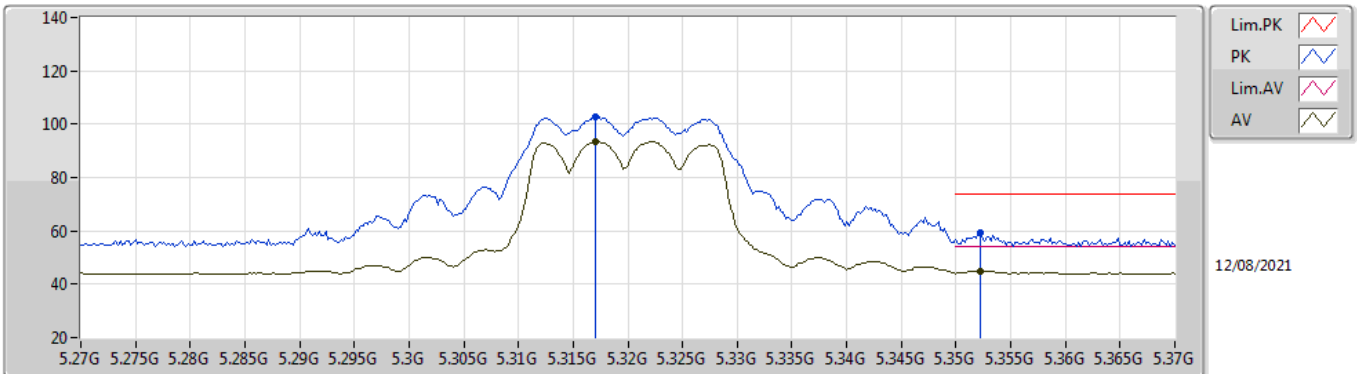


EUT V_2TX
Setting 85
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.3236G	116.18	Inf	-Inf	109.58	3	Vertical	36	1.66	-	33.70	5.04	32.14	
AV	5.324G	107.18	Inf	-Inf	100.58	3	Vertical	36	1.66	-	33.70	5.04	32.14	
PK	5.35G	72.64	74.00	-1.36	66.05	3	Vertical	36	1.66	-	33.70	5.03	32.14	
AV	5.35G	53.80	54.00	-0.20	47.21	3	Vertical	36	1.66	-	33.70	5.03	32.14	

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TnomVnom

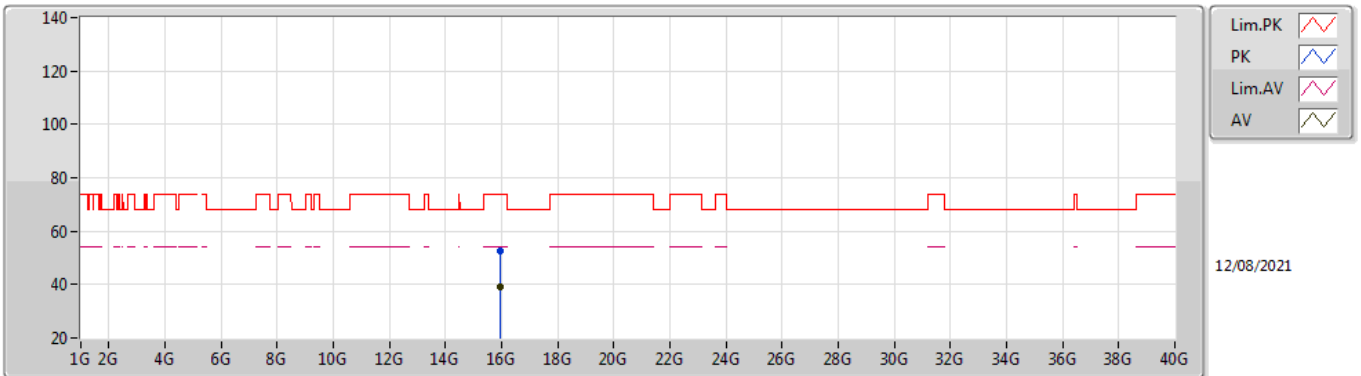


EUT V_2TX
Setting 85
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.317G	102.76	Inf	-Inf	96.16	3	Horizontal	31	1.90	-	33.70	5.04	32.14
AV	5.317G	93.47	Inf	-Inf	86.87	3	Horizontal	31	1.90	-	33.70	5.04	32.14
PK	5.352G	59.32	74.00	-14.68	52.74	3	Horizontal	31	1.90	-	33.70	5.02	32.14
AV	5.352G	45.08	54.00	-8.92	38.50	3	Horizontal	31	1.90	-	33.70	5.02	32.14

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TnomVnom

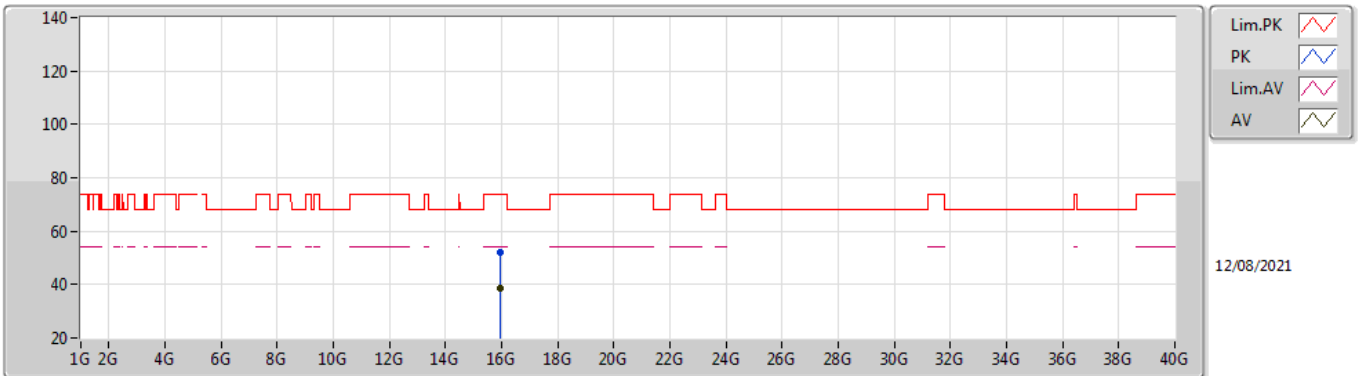


EUT_V_2TX
Setting 85
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.9637G	52.68	74.00	-21.32	39.75	3	Vertical	326	1.36	-	37.44	9.19	33.70
AV	15.9439G	39.39	54.00	-14.61	26.42	3	Vertical	326	1.36	-	37.46	9.18	33.67

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TnomVnom

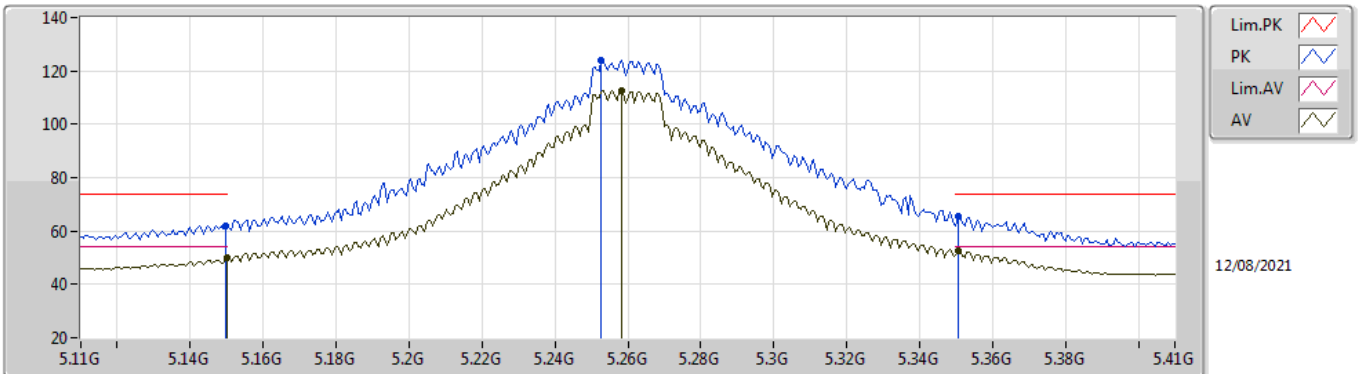


EUT_V_2TX
Setting 85
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.9667G	51.87	74.00	-22.13	38.95	3	Horizontal	34	1.72	-	37.43	9.19	33.70
AV	15.935G	38.50	54.00	-15.50	25.51	3	Horizontal	34	1.72	-	37.47	9.18	33.66

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TnomVnom

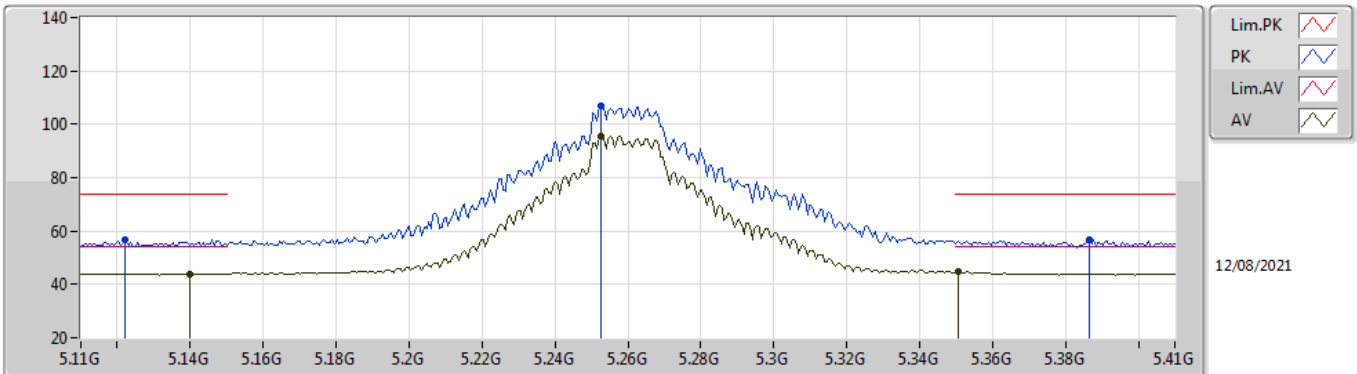


EUT V_2TX
Setting 108
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1496G	62.12	74.00	-11.88	55.77	3	Vertical	38	1.80	-	33.50	5.00	32.15
AV	5.15G	49.99	54.00	-4.01	43.64	3	Vertical	38	1.80	-	33.50	5.00	32.15
PK	5.2528G	123.84	Inf	-Inf	117.30	3	Vertical	38	1.80	-	33.61	5.07	32.14
AV	5.2582G	112.45	Inf	-Inf	105.90	3	Vertical	38	1.80	-	33.62	5.07	32.14
PK	5.3506G	65.62	74.00	-8.38	59.04	3	Vertical	38	1.80	-	33.70	5.02	32.14
AV	5.3506G	52.40	54.00	-1.60	45.82	3	Vertical	38	1.80	-	33.70	5.02	32.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TnomVnom

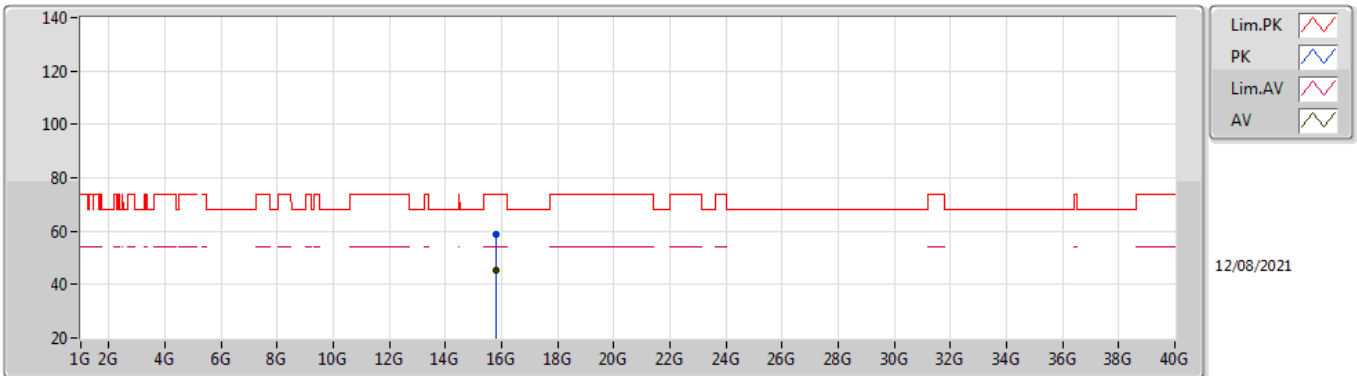


EUT V_2TX
Setting 108
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.122G	56.75	74.00	-17.25	50.46	3	Horizontal	104	1.80	-	33.50	4.94	32.15
AV	5.14G	43.99	54.00	-10.01	37.66	3	Horizontal	104	1.80	-	33.50	4.98	32.15
PK	5.2528G	107.08	Inf	-Inf	100.54	3	Horizontal	104	1.80	-	33.61	5.07	32.14
AV	5.2528G	95.69	Inf	-Inf	89.15	3	Horizontal	104	1.80	-	33.61	5.07	32.14
PK	5.3866G	56.75	74.00	-17.25	50.11	3	Horizontal	104	1.80	-	33.77	5.01	32.14
AV	5.3506G	44.84	54.00	-9.16	38.26	3	Horizontal	104	1.80	-	33.70	5.02	32.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TnomVnom

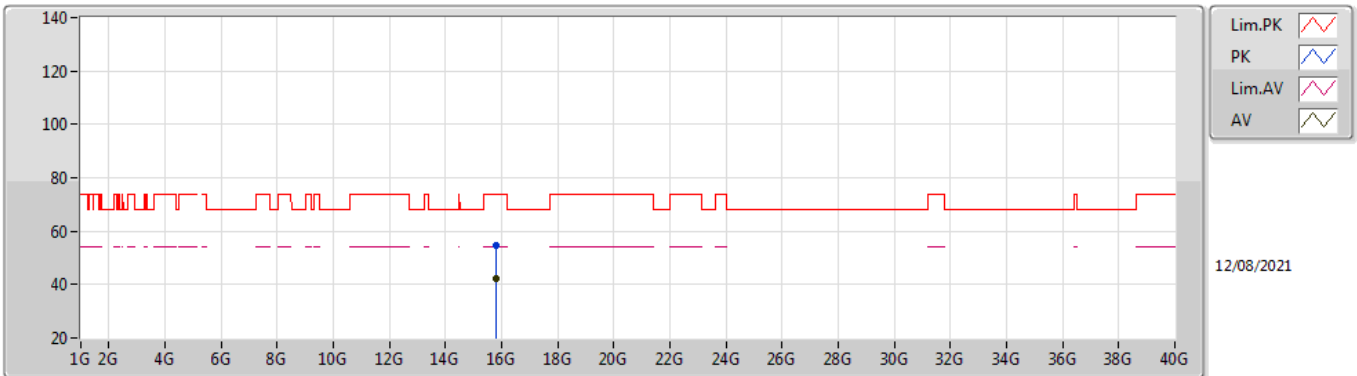


EUT_V_2TX
Setting 108
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.7805G	58.92	74.00	-15.08	45.88	3	Vertical	346	1.80	-	37.40	9.12	33.48	
AV	15.7858G	45.41	54.00	-8.59	32.37	3	Vertical	346	1.80	-	37.40	9.13	33.49	

802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TnomVnom

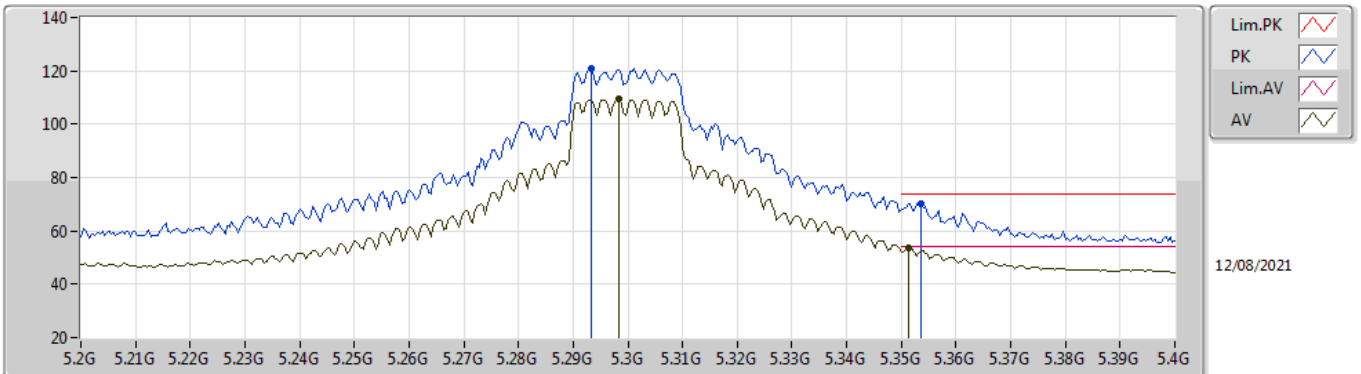


EUT V_2TX
Setting 108
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.7806G	54.90	74.00	-19.10	41.86	3	Horizontal	307	1.39	-	37.40	9.12	33.48	
AV	15.781G	42.20	54.00	-11.80	29.16	3	Horizontal	307	1.39	-	37.40	9.12	33.48	

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TnomVnom

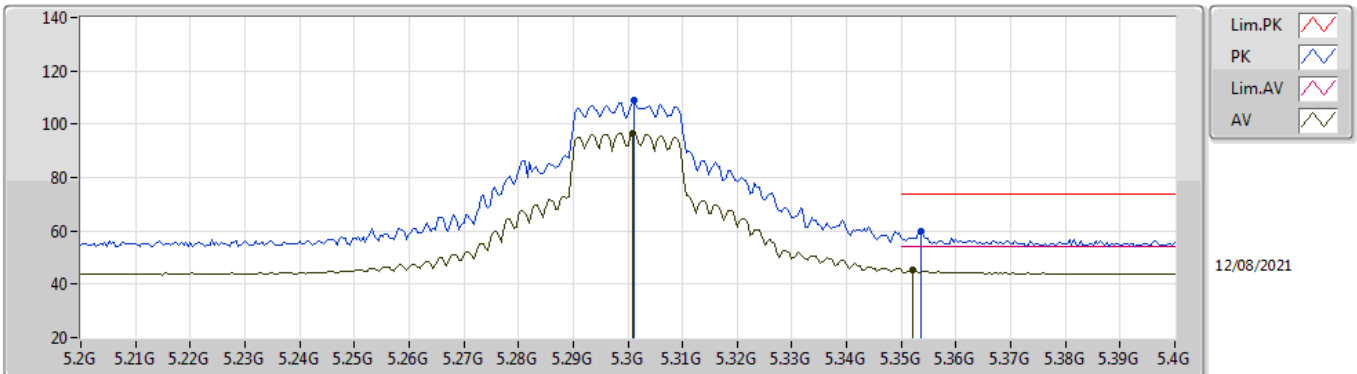


EUT V_2TX
Setting 97
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.2932G	121.06	Inf	-Inf	114.46	3	Vertical	40	2.14	-	33.69	5.05	32.14
AV	5.2984G	109.30	Inf	-Inf	102.69	3	Vertical	40	2.14	-	33.70	5.05	32.14
PK	5.3536G	70.33	74.00	-3.67	63.74	3	Vertical	40	2.14	-	33.71	5.02	32.14
AV	5.3512G	53.84	54.00	-0.16	47.26	3	Vertical	40	2.14	-	33.70	5.02	32.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TnomVnom

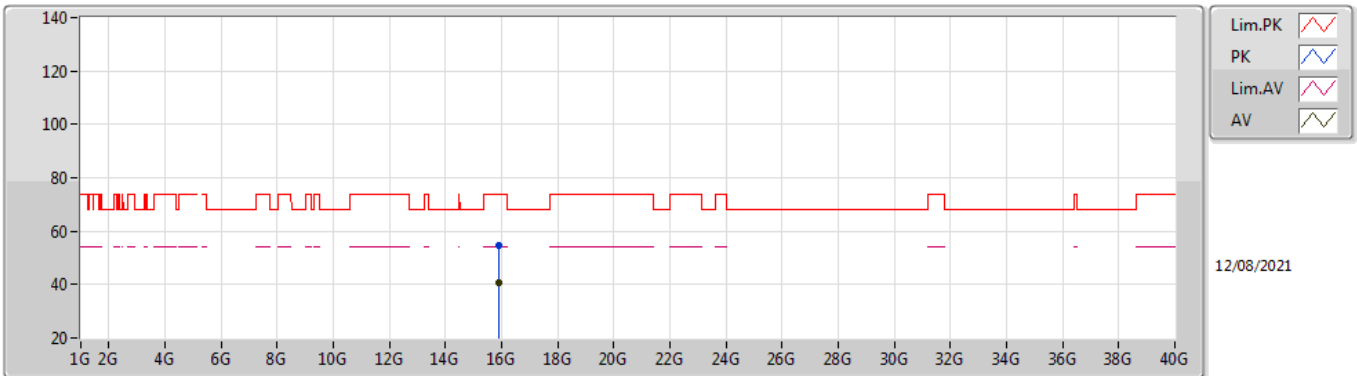


EUT_V_2TX
Setting 97
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3012G	108.96	Inf	-Inf	102.35	3	Horizontal	142	2.07	-	33.70	5.05	32.14
AV	5.3008G	96.80	Inf	-Inf	90.19	3	Horizontal	142	2.07	-	33.70	5.05	32.14
PK	5.3536G	59.64	74.00	-14.36	53.05	3	Horizontal	142	2.07	-	33.71	5.02	32.14
AV	5.352G	45.34	54.00	-8.66	38.76	3	Horizontal	142	2.07	-	33.70	5.02	32.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TnomVnom

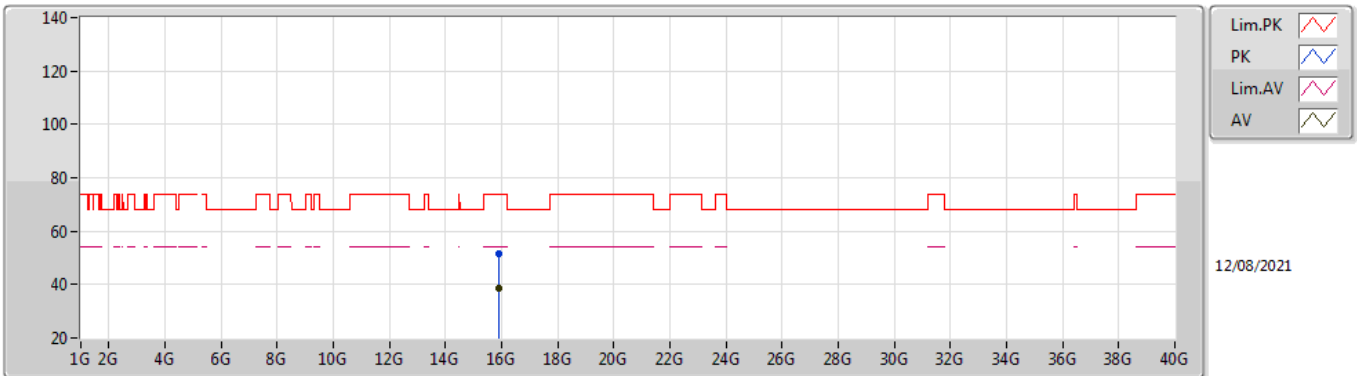


EUT V_2TX
Setting 97
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.9014G	54.52	74.00	-19.48	41.47	3	Vertical	55	1.79	-	37.50	9.17	33.62
AV	15.8987G	40.64	54.00	-13.36	27.60	3	Vertical	55	1.79	-	37.50	9.16	33.62

802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TnomVnom

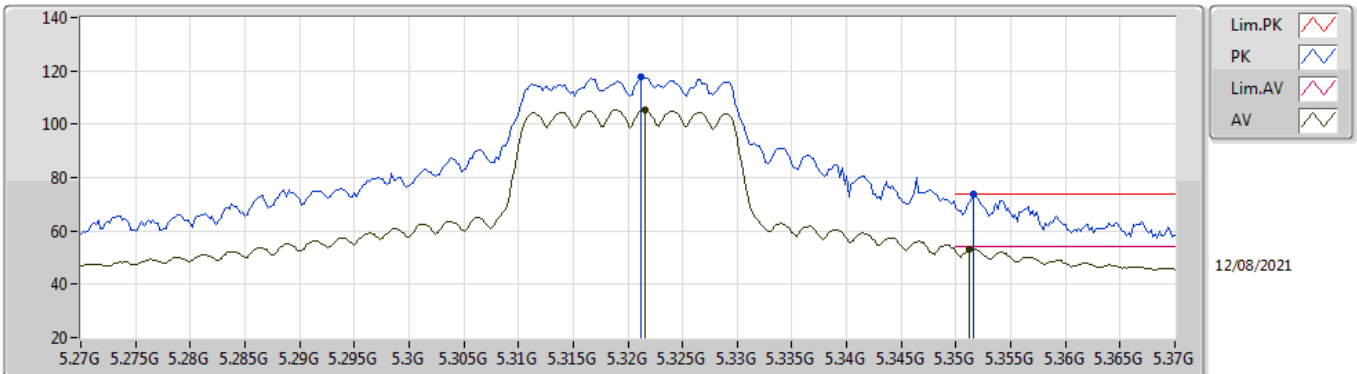


EUT V_2TX
Setting 97
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.878G	51.71	74.00	-22.29	38.67	3	Horizontal	290	2.75	-	37.48	9.16	33.60
AV	15.888G	38.52	54.00	-15.48	25.48	3	Horizontal	290	2.75	-	37.49	9.16	33.61

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TnomVnom

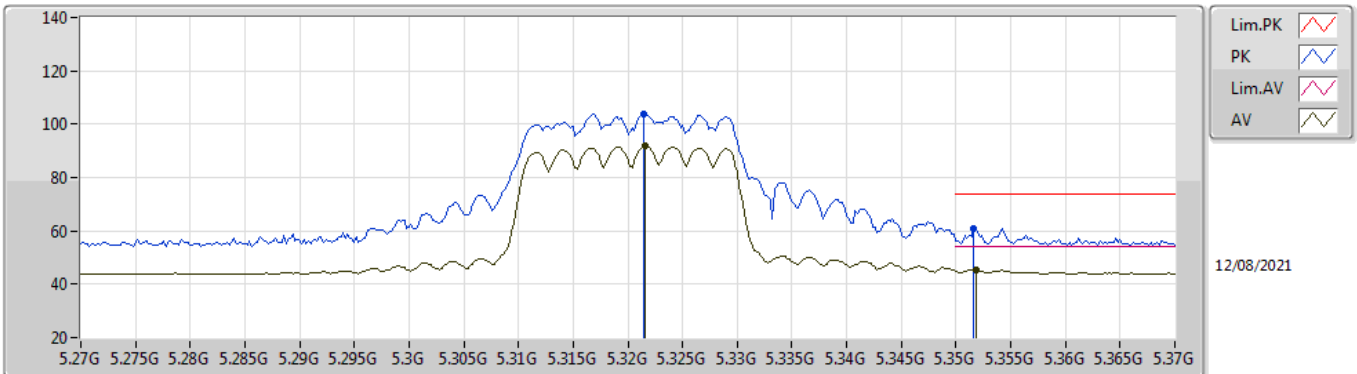


EUT_V_2TX
Setting 83
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3212G	117.58	Inf	-Inf	110.98	3	Vertical	38	1.72	-	33.70	5.04	32.14
AV	5.3216G	105.29	Inf	-Inf	98.69	3	Vertical	38	1.72	-	33.70	5.04	32.14
PK	5.3516G	73.70	74.00	-0.30	67.12	3	Vertical	38	1.72	-	33.70	5.02	32.14
AV	5.3512G	53.34	54.00	-0.66	46.76	3	Vertical	38	1.72	-	33.70	5.02	32.14

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TnomVnom

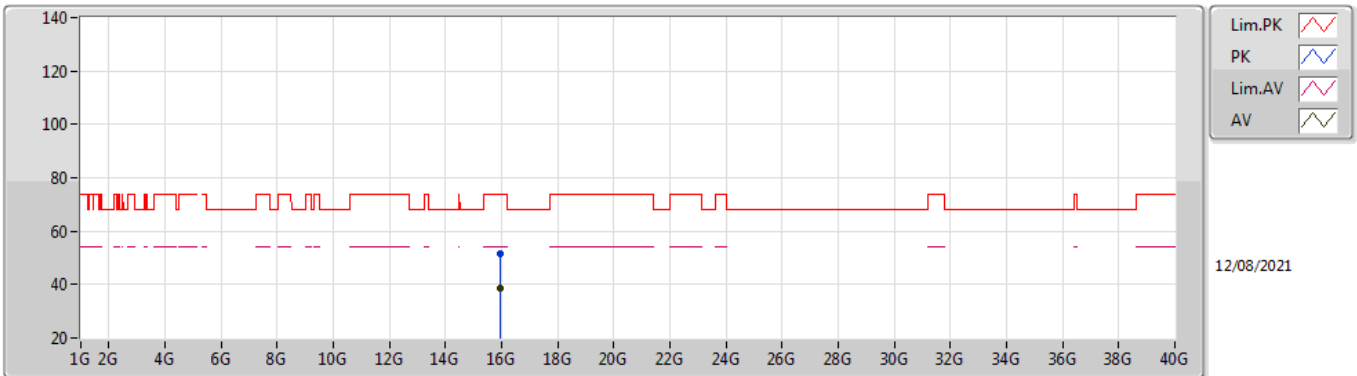


EUT_V_2TX
Setting 83
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.3214G	103.78	Inf	-Inf	97.18	3	Horizontal	34	1.78	-	33.70	5.04	32.14	
AV	5.3216G	91.80	Inf	-Inf	85.20	3	Horizontal	34	1.78	-	33.70	5.04	32.14	
PK	5.3516G	61.02	74.00	-12.98	54.44	3	Horizontal	34	1.78	-	33.70	5.02	32.14	
AV	5.3518G	45.51	54.00	-8.49	38.93	3	Horizontal	34	1.78	-	33.70	5.02	32.14	

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TnomVnom

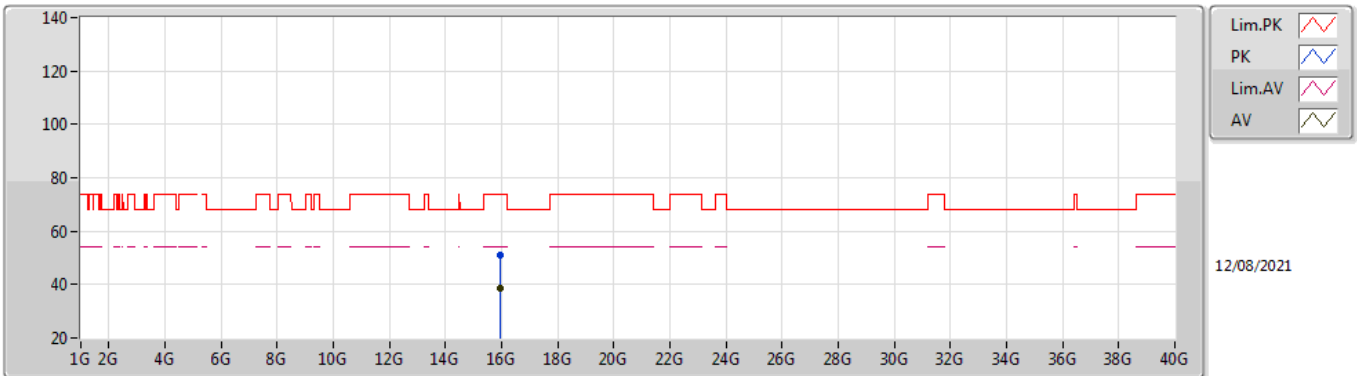


EUT V_2TX
Setting 83
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.9734G	51.32	74.00	-22.68	38.41	3	Vertical	199	2.19	-	37.43	9.19	33.71
AV	15.9388G	38.50	54.00	-15.50	25.53	3	Vertical	199	2.19	-	37.46	9.18	33.67

802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TnomVnom

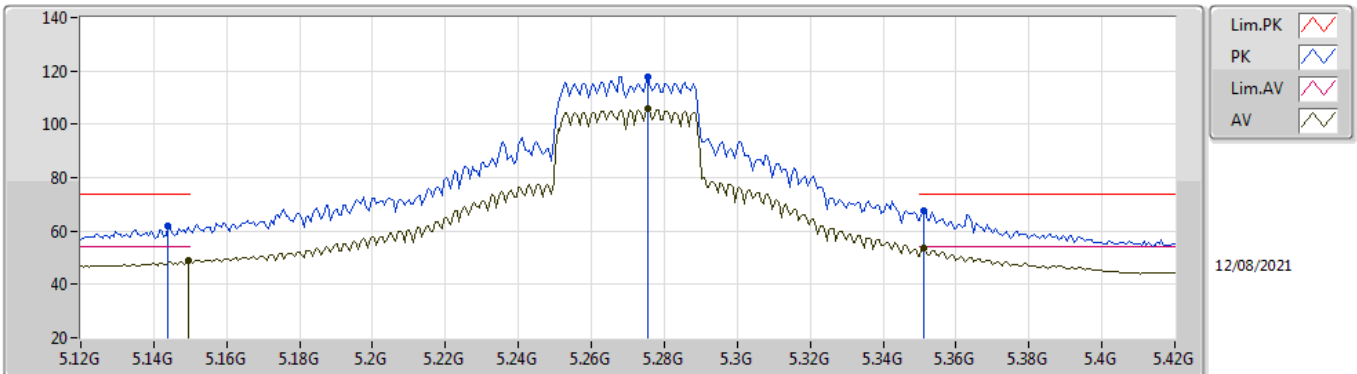


EUT V_2TX
Setting 83
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.9717G	50.97	74.00	-23.03	38.06	3	Horizontal	115	1.30	-	37.43	9.19	33.71
AV	15.9523G	38.40	54.00	-15.60	25.45	3	Horizontal	115	1.30	-	37.45	9.18	33.68

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TnomVnom

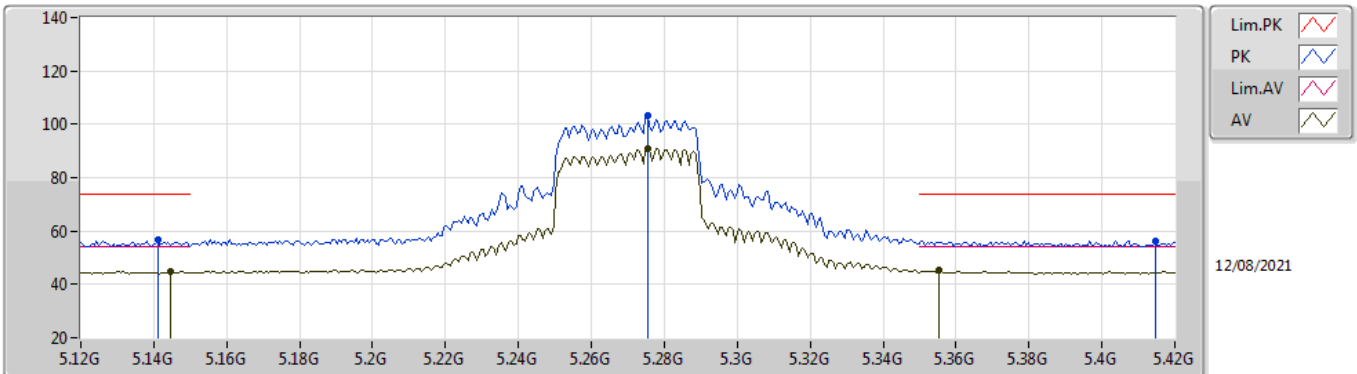


EUT_V_2TX
Setting 94
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.144G	61.96	74.00	-12.04	55.62	3	Vertical	37	2.16	-	33.50	4.99	32.15
AV	5.1494G	48.89	54.00	-5.11	42.54	3	Vertical	37	2.16	-	33.50	5.00	32.15
PK	5.2754G	117.93	Inf	-Inf	111.36	3	Vertical	37	2.16	-	33.65	5.06	32.14
AV	5.2754G	106.02	Inf	-Inf	99.45	3	Vertical	37	2.16	-	33.65	5.06	32.14
PK	5.351G	67.55	74.00	-6.45	60.97	3	Vertical	37	2.16	-	33.70	5.02	32.14
AV	5.351G	53.76	54.00	-0.24	47.18	3	Vertical	37	2.16	-	33.70	5.02	32.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TnomVnom

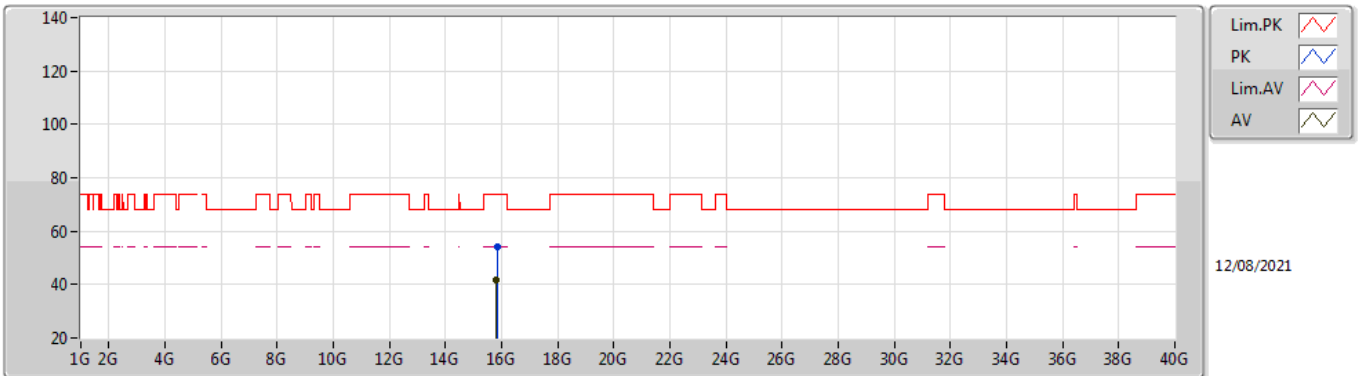


EUT_V_2TX
Setting 94
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.141G	56.47	74.00	-17.53	50.14	3	Horizontal	300	1.82	-	33.50	4.98	32.15
AV	5.1446G	44.91	54.00	-9.09	38.57	3	Horizontal	300	1.82	-	33.50	4.99	32.15
PK	5.2754G	103.46	Inf	-Inf	96.89	3	Horizontal	300	1.82	-	33.65	5.06	32.14
AV	5.2754G	91.06	Inf	-Inf	84.49	3	Horizontal	300	1.82	-	33.65	5.06	32.14
PK	5.4146G	56.23	74.00	-17.77	49.53	3	Horizontal	300	1.82	-	33.83	5.01	32.14
AV	5.3552G	45.29	54.00	-8.71	38.70	3	Horizontal	300	1.82	-	33.71	5.02	32.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TnomVnom

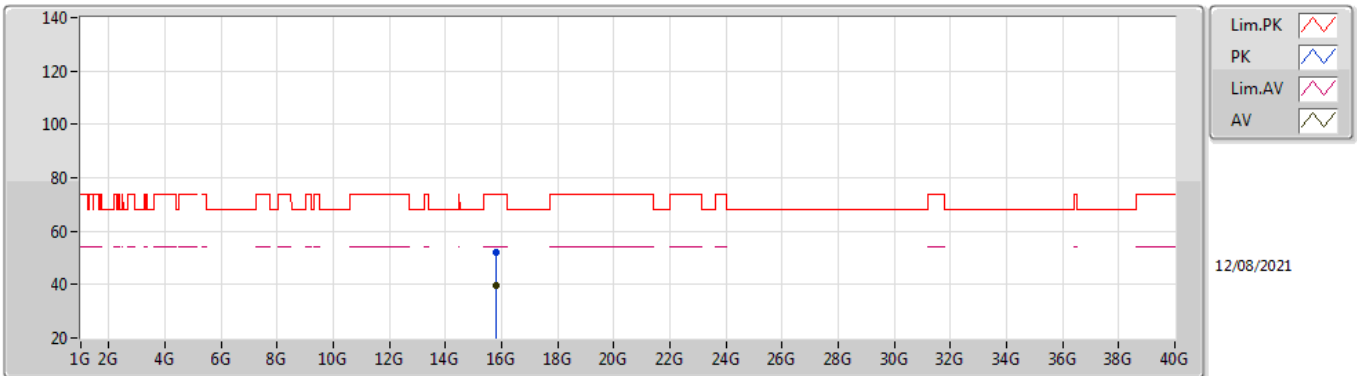


EUT V_2TX
Setting 94
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.831G	53.90	74.00	-20.10	40.87	3	Vertical	215	1.70	-	37.43	9.14	33.54
AV	15.8211G	41.59	54.00	-12.41	28.56	3	Vertical	215	1.70	-	37.42	9.14	33.53

802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TnomVnom

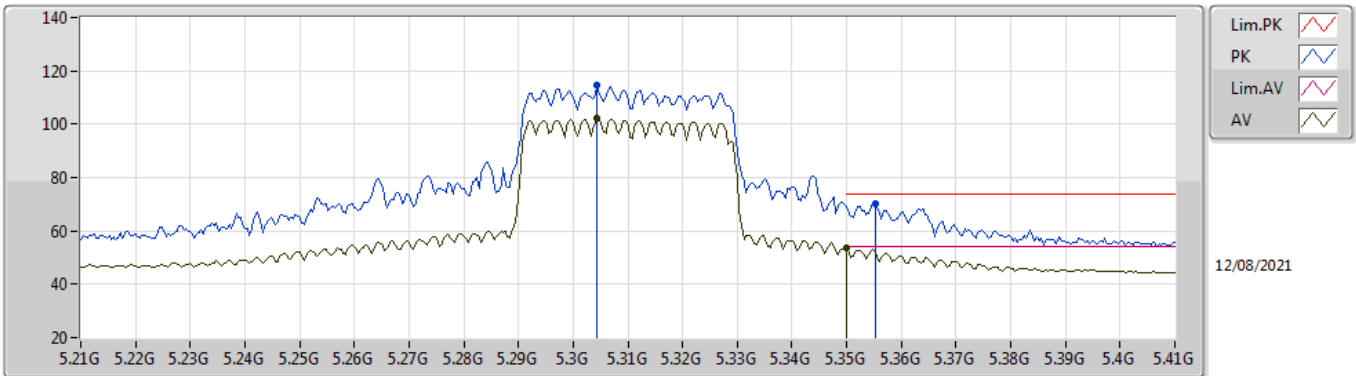


EUT_V_2TX
Setting 94
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.7977G	52.13	74.00	-21.87	39.10	3	Horizontal	84	2.68	-	37.40	9.13	33.50	
AV	15.7941G	39.74	54.00	-14.26	26.71	3	Horizontal	84	2.68	-	37.40	9.13	33.50	

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TnomVnom

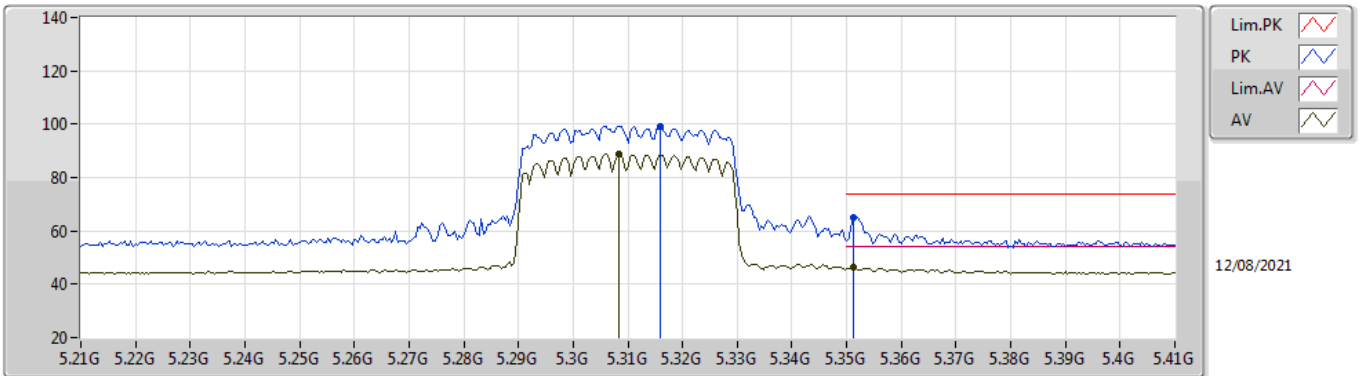


EUT V_2TX
Setting 81
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3044G	114.88	Inf	-Inf	108.27	3	Vertical	42	1.95	-	33.70	5.05	32.14
AV	5.3044G	102.01	Inf	-Inf	95.40	3	Vertical	42	1.95	-	33.70	5.05	32.14
PK	5.3552G	70.27	74.00	-3.73	63.68	3	Vertical	42	1.95	-	33.71	5.02	32.14
AV	5.35G	53.78	54.00	-0.22	47.19	3	Vertical	42	1.95	-	33.70	5.03	32.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TnomVnom

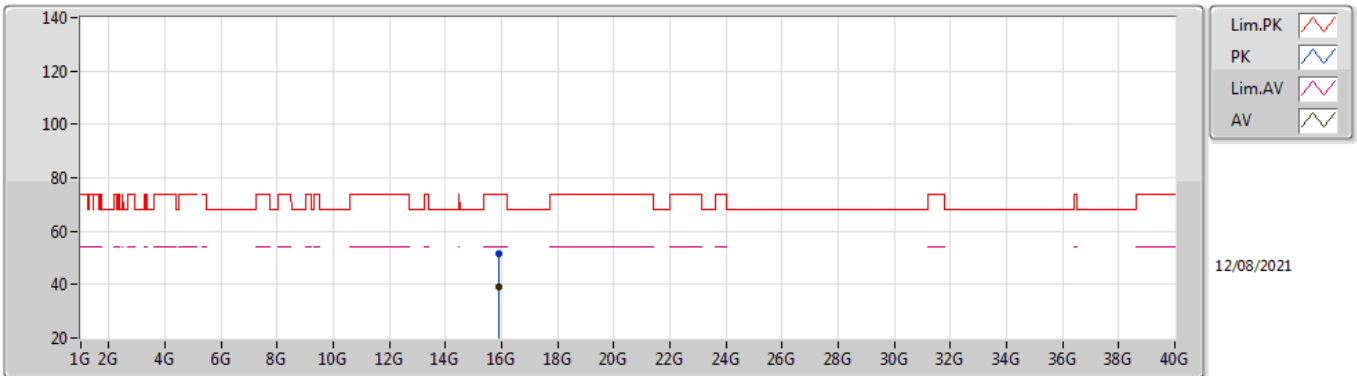


EUT_V_2TX
Setting 81
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.316G	99.29	Inf	-Inf	92.69	3	Horizontal	33	1.90	-	33.70	5.04	32.14
AV	5.3084G	88.68	Inf	-Inf	82.07	3	Horizontal	33	1.90	-	33.70	5.05	32.14
PK	5.3512G	64.85	74.00	-9.15	58.27	3	Horizontal	33	1.90	-	33.70	5.02	32.14
AV	5.3512G	46.35	54.00	-7.65	39.77	3	Horizontal	33	1.90	-	33.70	5.02	32.14

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TnomVnom

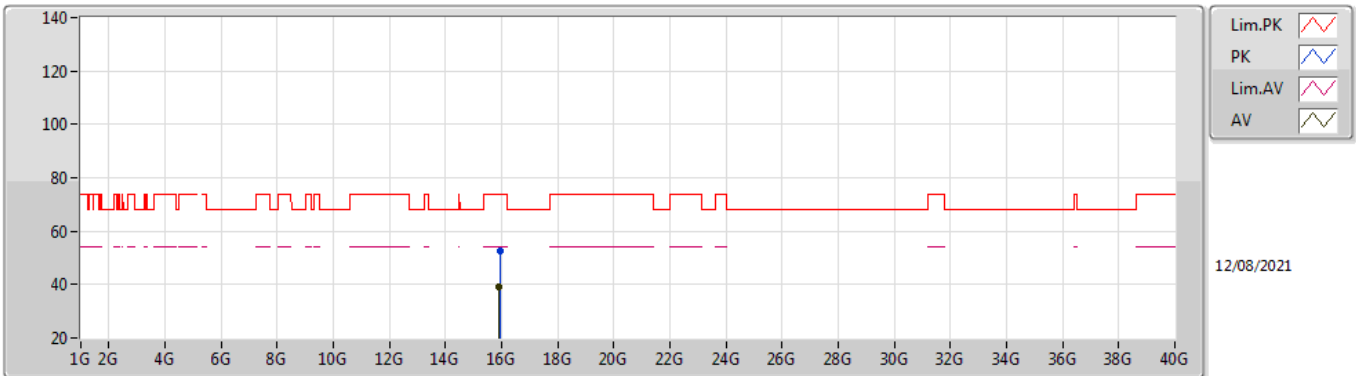


EUT_V_2TX
Setting 81
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.9255G	51.34	74.00	-22.66	38.35	3	Vertical	160	2.71	-	37.47	9.17	33.65
AV	15.9239G	39.23	54.00	-14.77	26.23	3	Vertical	160	2.71	-	37.48	9.17	33.65

802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TnomVnom

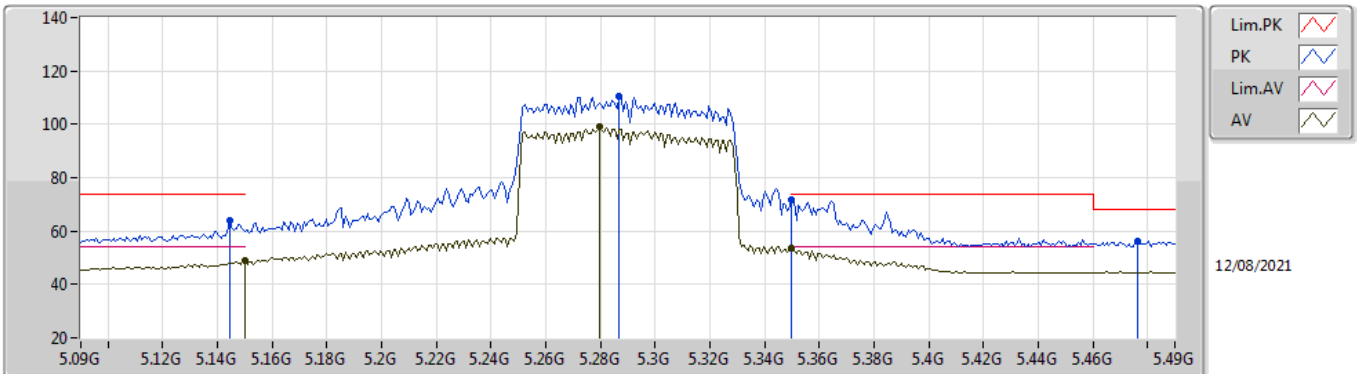


EUT V_2TX
Setting 81
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.9408G	52.63	74.00	-21.37	39.66	3	Horizontal	168	1.48	-	37.46	9.18	33.67
AV	15.926G	39.23	54.00	-14.77	26.24	3	Horizontal	168	1.48	-	37.47	9.17	33.65

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TnomVnom

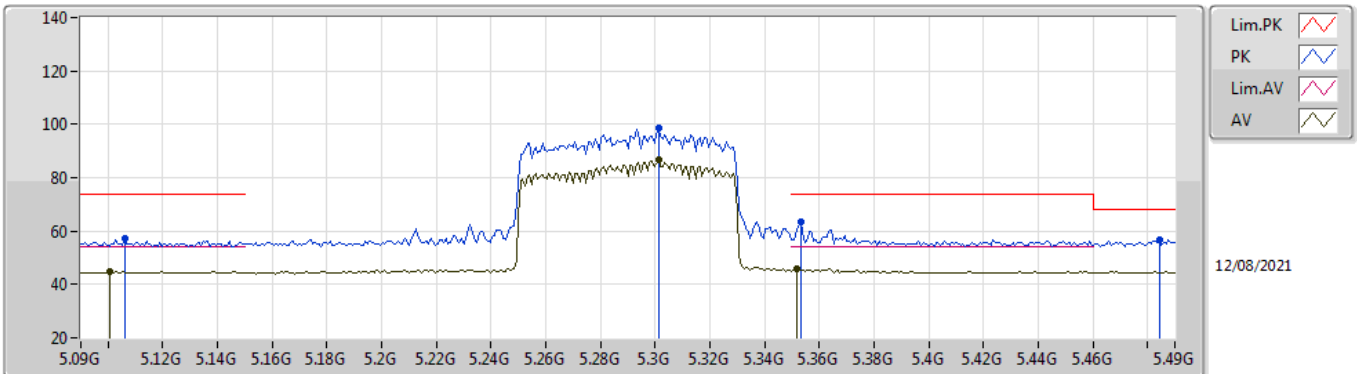


EUT_V_2TX
Setting 80
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1444G	63.94	74.00	-10.06	57.60	3	Vertical	-0	1.90	-	33.50	4.99	32.15
AV	5.15G	48.76	54.00	-5.24	42.41	3	Vertical	-0	1.90	-	33.50	5.00	32.15
PK	5.2868G	110.67	Inf	-Inf	104.08	3	Vertical	-0	1.90	-	33.67	5.06	32.14
AV	5.2796G	99.01	Inf	-Inf	92.43	3	Vertical	-0	1.90	-	33.66	5.06	32.14
PK	5.35G	71.67	74.00	-2.33	65.08	3	Vertical	-0	1.90	-	33.70	5.03	32.14
AV	5.35G	53.69	54.00	-0.31	47.10	3	Vertical	-0	1.90	-	33.70	5.03	32.14
PK	5.4764G	56.19	68.20	-12.01	49.34	3	Vertical	-0	1.90	-	33.90	5.08	32.13

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TnomVnom

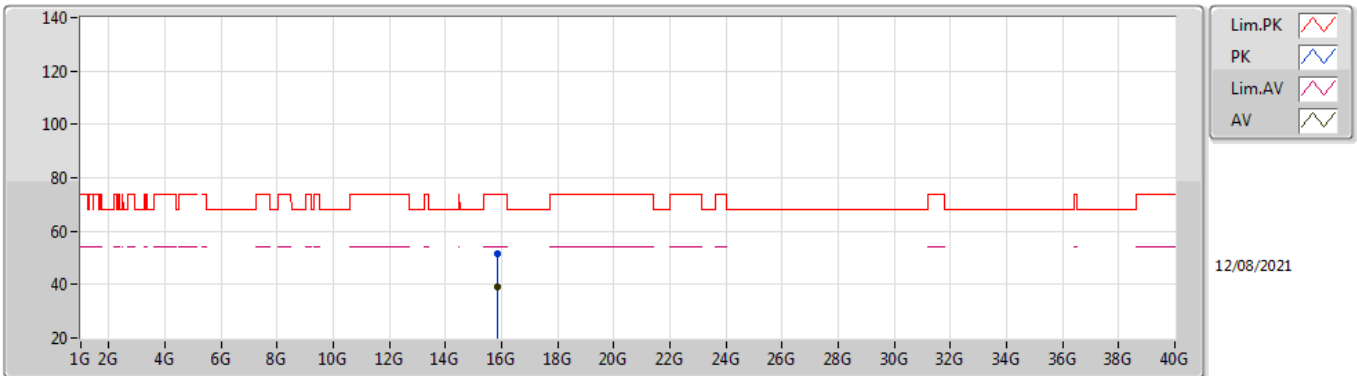


EUT_V_2TX
Setting 80
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.106G	57.08	74.00	-16.92	50.82	3	Horizontal	141	2.06	-	33.50	4.91	32.15
AV	5.1004G	44.84	54.00	-9.16	38.59	3	Horizontal	141	2.06	-	33.50	4.90	32.15
PK	5.3012G	98.79	Inf	-Inf	92.18	3	Horizontal	141	2.06	-	33.70	5.05	32.14
AV	5.3012G	86.58	Inf	-Inf	79.97	3	Horizontal	141	2.06	-	33.70	5.05	32.14
PK	5.3532G	63.24	74.00	-10.76	56.65	3	Horizontal	141	2.06	-	33.71	5.02	32.14
AV	5.3516G	46.11	54.00	-7.89	39.53	3	Horizontal	141	2.06	-	33.70	5.02	32.14
PK	5.4844G	56.97	68.20	-11.23	50.12	3	Horizontal	141	2.06	-	33.90	5.08	32.13

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TnomVnom

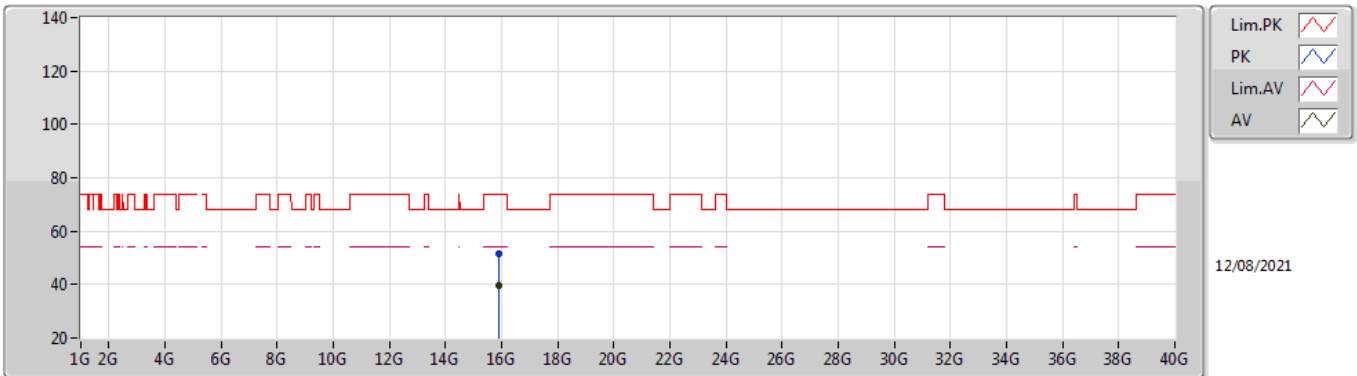


EUT V_2TX
Setting 80
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.8479G	51.45	74.00	-22.55	38.41	3	Vertical	248	2.78	-	37.45	9.15	33.56
AV	15.8485G	39.31	54.00	-14.69	26.27	3	Vertical	248	2.78	-	37.45	9.15	33.56

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TnomVnom



EUT V_2TX
Setting 80
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	15.8801G	51.40	74.00	-22.60	38.36	3	Horizontal	170	2.96	-	37.48	9.16	33.60	
AV	15.8798G	39.50	54.00	-14.50	26.46	3	Horizontal	170	2.96	-	37.48	9.16	33.60	



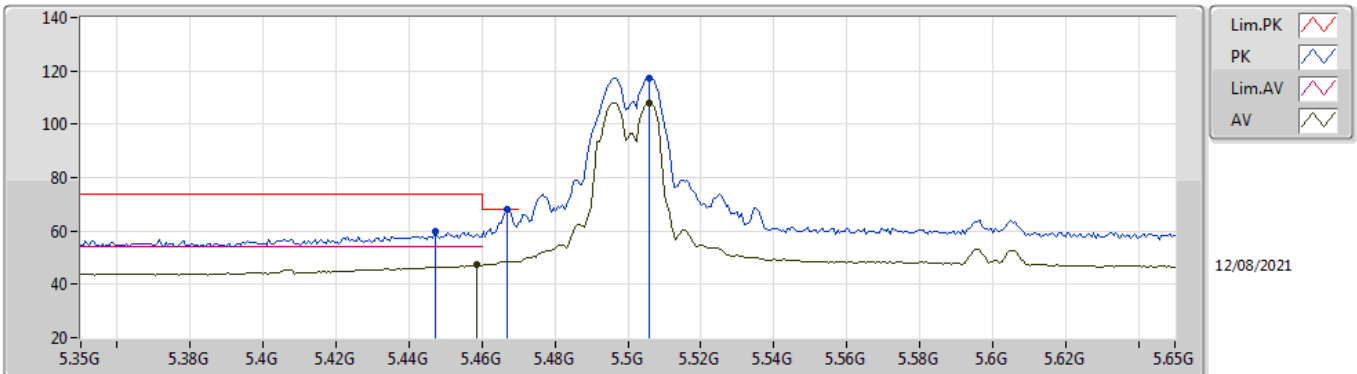
Test Mode: Mode 2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_3TX	Pass	PK	5.7284G	68.15	68.20	-0.05	3	Vertical	180	1.84	-

802.11a_Nss1,(6Mbps)_3TX

5500MHz_TnomVnom

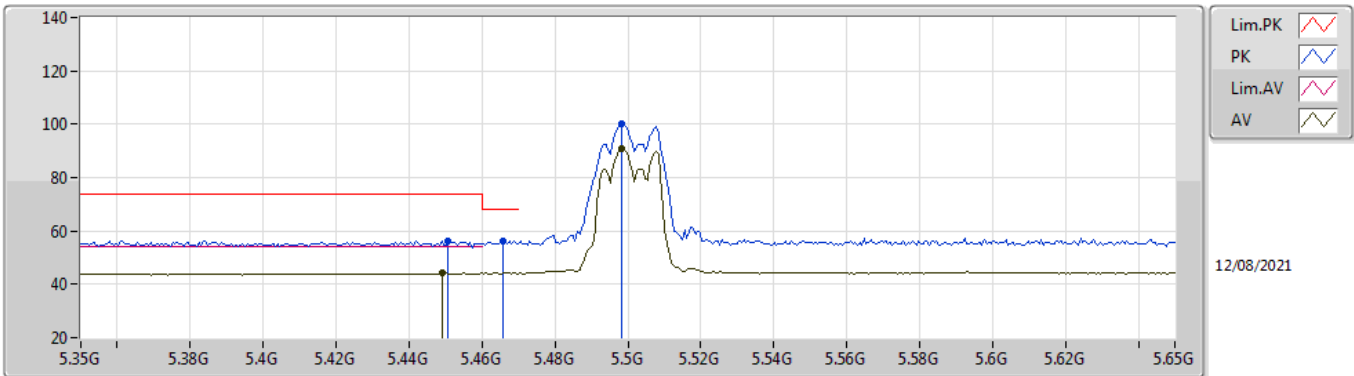


EUT_V_3TX
Setting 69
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4472G	59.96	74.00	-14.04	53.15	3	Vertical	144	1.98	-	33.89	5.05	32.13
PK	5.467G	68.13	68.20	-0.07	61.29	3	Vertical	144	1.98	-	33.90	5.07	32.13
AV	5.4586G	47.29	54.00	-6.71	40.46	3	Vertical	144	1.98	-	33.90	5.06	32.13
PK	5.506G	117.41	Inf	-Inf	110.53	3	Vertical	144	1.98	-	33.90	5.11	32.13
AV	5.506G	108.00	Inf	-Inf	101.12	3	Vertical	144	1.98	-	33.90	5.11	32.13

802.11a_Nss1,(6Mbps)_3TX

5500MHz_TnomVnom

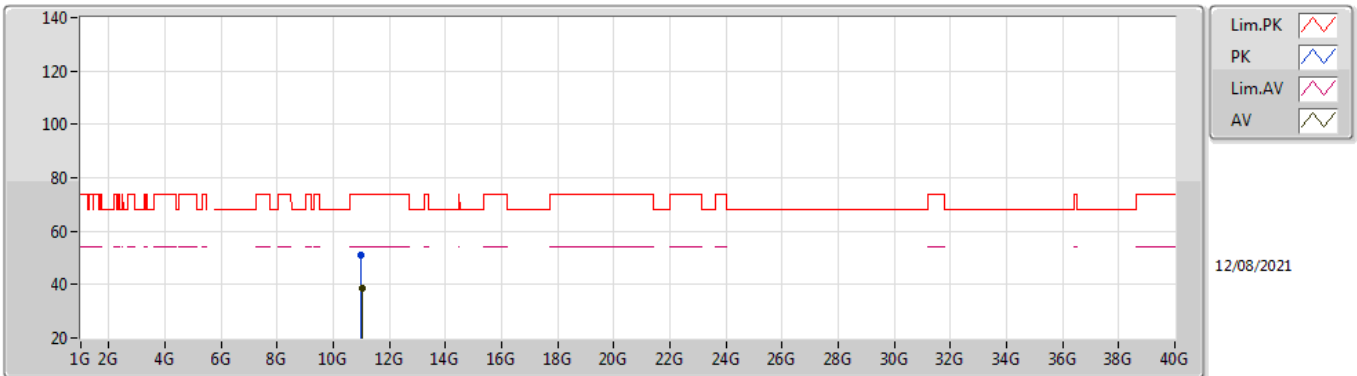


EUT_V_3TX
Setting 69
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.4508G	56.46	74.00	-17.54	49.64	3	Horizontal	335	1.80	-	33.90	5.05	32.13	
AV	5.449G	44.11	54.00	-9.89	37.29	3	Horizontal	335	1.80	-	33.90	5.05	32.13	
PK	5.4658G	56.29	68.20	-11.91	49.45	3	Horizontal	335	1.80	-	33.90	5.07	32.13	
PK	5.4982G	100.24	Inf	-Inf	93.37	3	Horizontal	335	1.80	-	33.90	5.10	32.13	
AV	5.4982G	90.76	Inf	-Inf	83.89	3	Horizontal	335	1.80	-	33.90	5.10	32.13	

802.11a_Nss1,(6Mbps)_3TX

5500MHz_TnomVnom

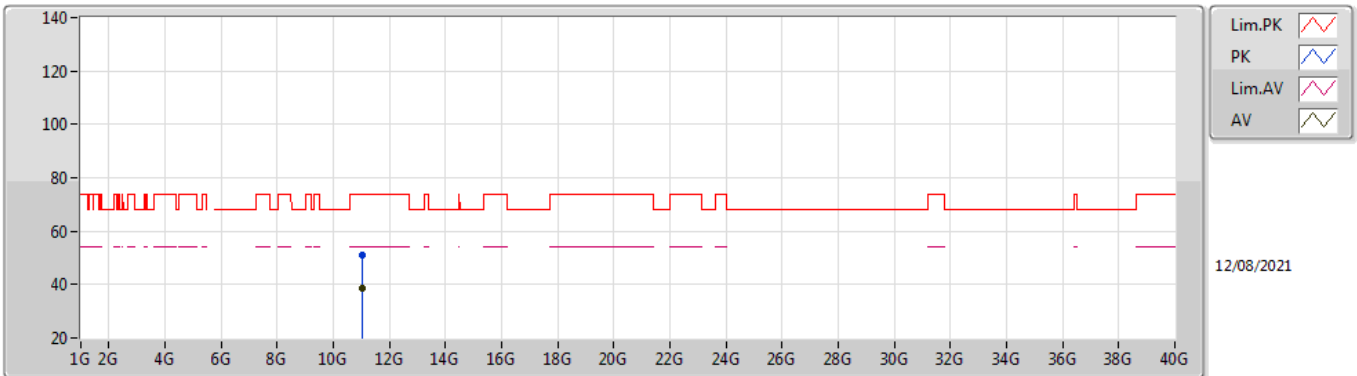


EUT_V_3TX
Setting 69
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.9794G	50.99	74.00	-23.01	38.33	3	Vertical	351	1.41	-	38.48	7.44	33.26
AV	11.0172G	38.45	54.00	-15.55	25.74	3	Vertical	351	1.41	-	38.52	7.46	33.27

802.11a_Nss1,(6Mbps)_3TX

5500MHz_TnomVnom

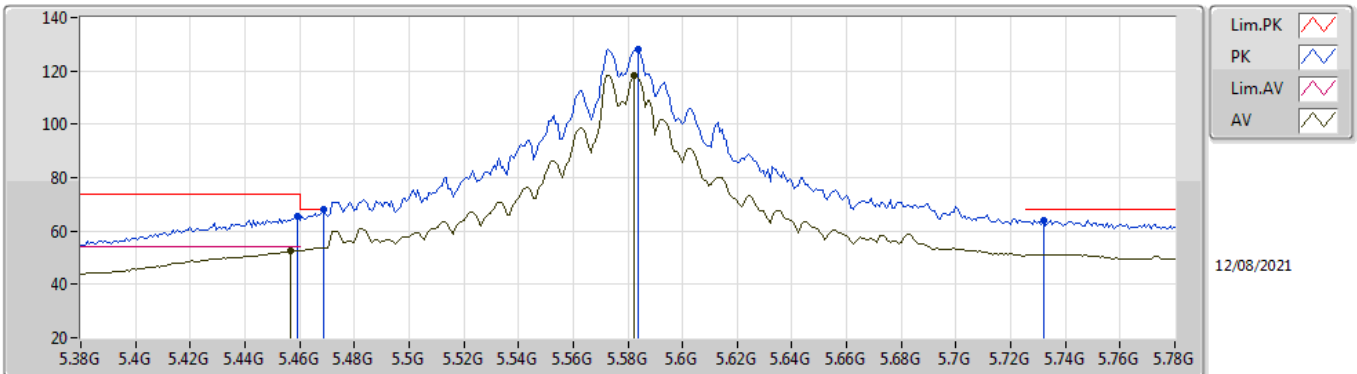


EUT_V_3TX
Setting 69
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.0249G	51.02	74.00	-22.98	38.31	3	Horizontal	192	1.83	-	38.52	7.46	33.27
AV	11.02G	38.57	54.00	-15.43	25.86	3	Horizontal	192	1.83	-	38.52	7.46	33.27

802.11a_Nss1,(6Mbps)_3TX

5580MHz_TnomVnom

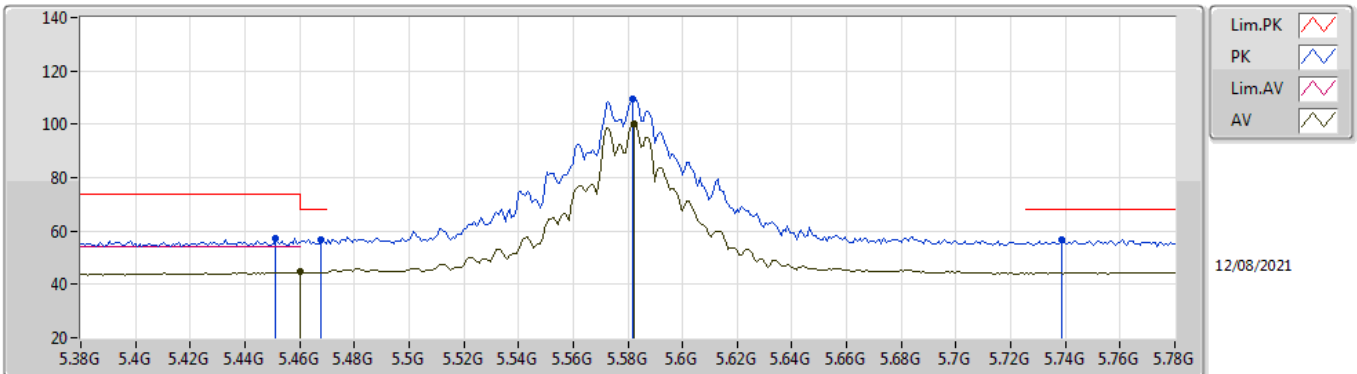


EUT_V_3TX
Setting 106
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4592G	65.62	74.00	-8.38	58.79	3	Vertical	176	1.84	-	33.90	5.06	32.13
AV	5.4568G	52.77	54.00	-1.23	45.94	3	Vertical	176	1.84	-	33.90	5.06	32.13
PK	5.4688G	67.92	68.20	-0.28	61.08	3	Vertical	176	1.84	-	33.90	5.07	32.13
PK	5.584G	128.05	Inf	-Inf	121.11	3	Vertical	176	1.84	-	33.90	5.18	32.14
AV	5.5824G	118.48	Inf	-Inf	111.53	3	Vertical	176	1.84	-	33.90	5.18	32.13
PK	5.732G	64.09	68.20	-4.11	57.40	3	Vertical	176	1.84	-	33.76	5.07	32.14

802.11a_Nss1,(6Mbps)_3TX

5580MHz_TnomVnom

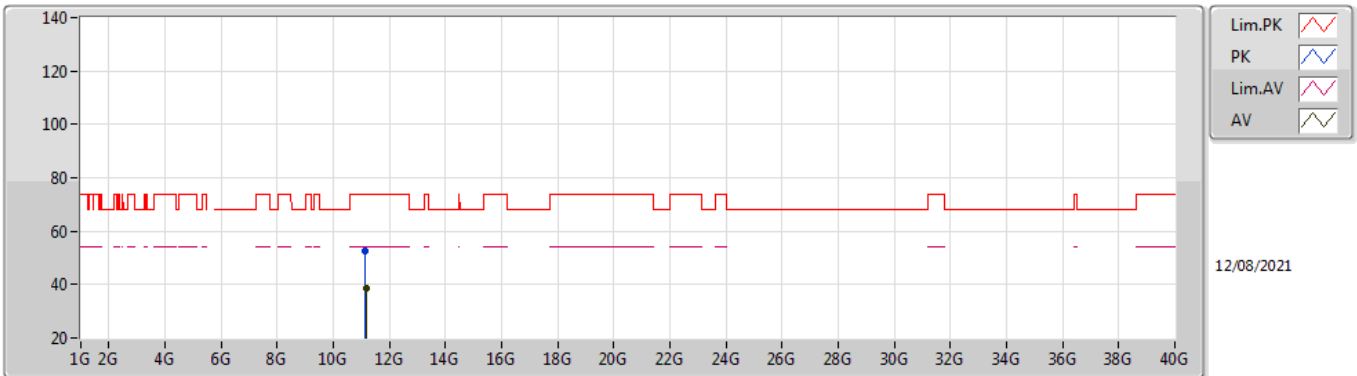


EUT V_3TX
Setting 106
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4512G	57.30	74.00	-16.70	50.48	3	Horizontal	331	1.27	-	33.90	5.05	32.13
PK	5.468G	56.84	68.20	-11.36	50.00	3	Horizontal	331	1.27	-	33.90	5.07	32.13
AV	5.46G	44.59	54.00	-9.41	37.76	3	Horizontal	331	1.27	-	33.90	5.06	32.13
PK	5.5816G	109.71	Inf	-Inf	102.76	3	Horizontal	331	1.27	-	33.90	5.18	32.13
AV	5.5824G	100.15	Inf	-Inf	93.20	3	Horizontal	331	1.27	-	33.90	5.18	32.13
PK	5.7384G	56.77	68.20	-11.43	50.07	3	Horizontal	331	1.27	-	33.78	5.06	32.14

802.11a_Nss1,(6Mbps)_3TX

5580MHz_TnomVnom

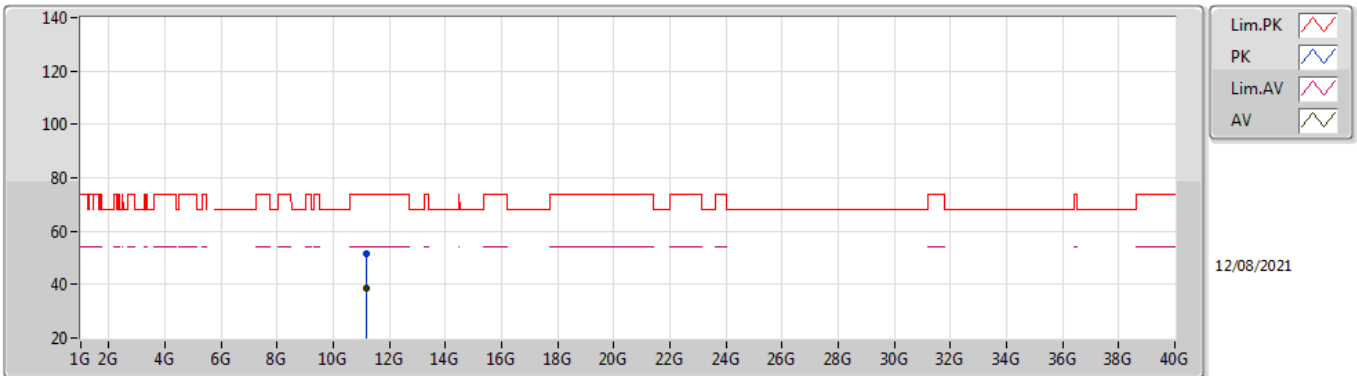


EUT_V_3TX
Setting 106
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1354G	52.61	74.00	-21.39	39.73	3	Vertical	17	1.15	-	38.64	7.50	33.26
AV	11.1615G	38.80	54.00	-15.20	25.88	3	Vertical	17	1.15	-	38.66	7.51	33.25

802.11a_Nss1,(6Mbps)_3TX

5580MHz_TnomVnom

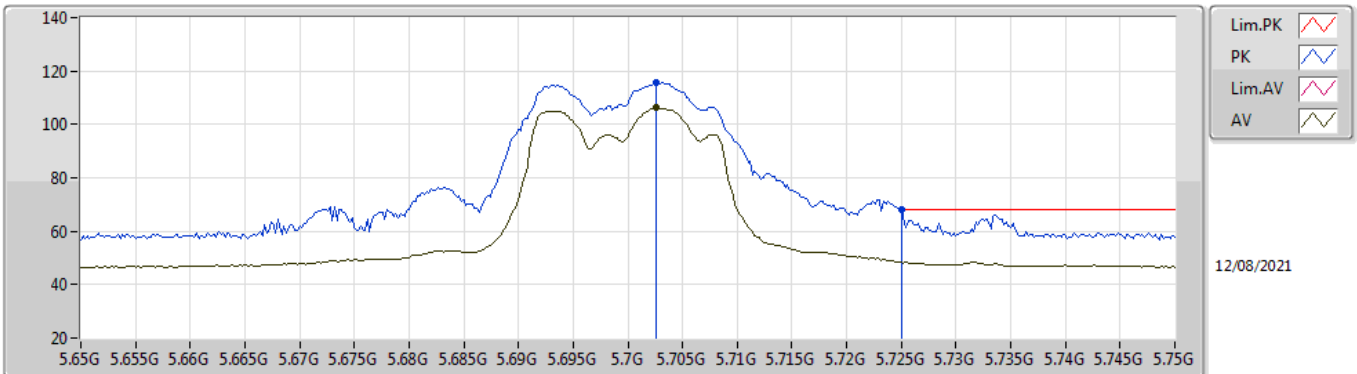


EUT_V_3TX
Setting 106
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1752G	51.71	74.00	-22.29	38.77	3	Horizontal	218	1.64	-	38.68	7.51	33.25
AV	11.1639G	38.74	54.00	-15.26	25.82	3	Horizontal	218	1.64	-	38.66	7.51	33.25

802.11a_Nss1,(6Mbps)_3TX

5700MHz_TnomVnom

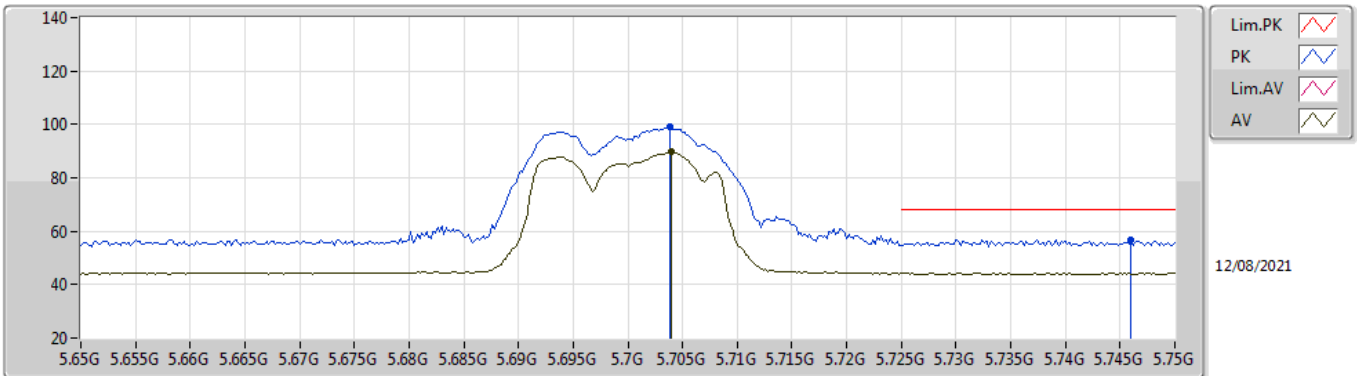


EUT_V_3TX
Setting 69
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7026G	115.81	Inf	-Inf	109.14	3	Vertical	178	1.83	-	33.71	5.10	32.14
AV	5.7026G	106.28	Inf	-Inf	99.61	3	Vertical	178	1.83	-	33.71	5.10	32.14
PK	5.725G	67.88	68.20	-0.32	61.19	3	Vertical	178	1.83	-	33.75	5.08	32.14

802.11a_Nss1,(6Mbps)_3TX

5700MHz_TnomVnom

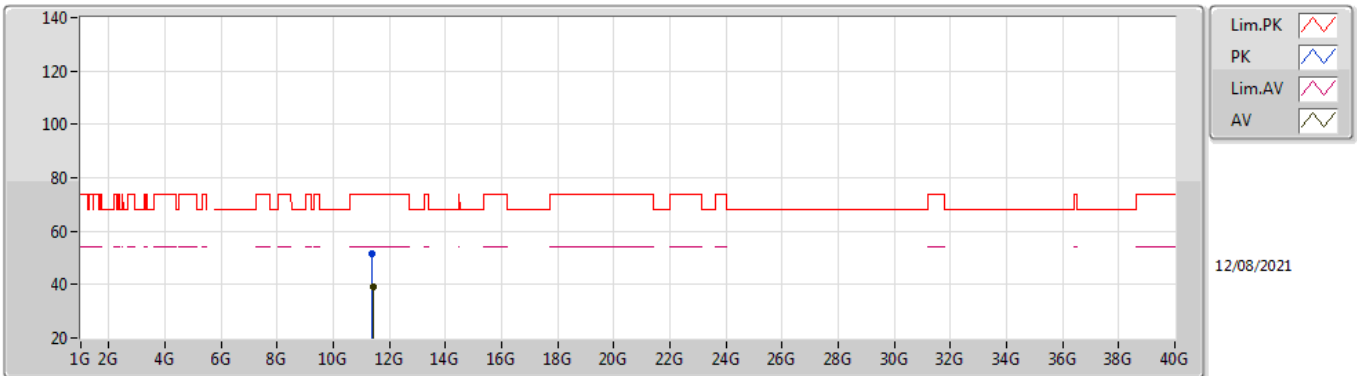


EUT V_3TX
Setting 69
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7038G	98.90	Inf	-Inf	92.23	3	Horizontal	294	1.96	-	33.71	5.10	32.14
AV	5.704G	89.88	Inf	-Inf	83.21	3	Horizontal	294	1.96	-	33.71	5.10	32.14
PK	5.746G	56.57	68.20	-11.63	49.87	3	Horizontal	294	1.96	-	33.79	5.05	32.14

802.11a_Nss1,(6Mbps)_3TX

5700MHz_TnomVnom

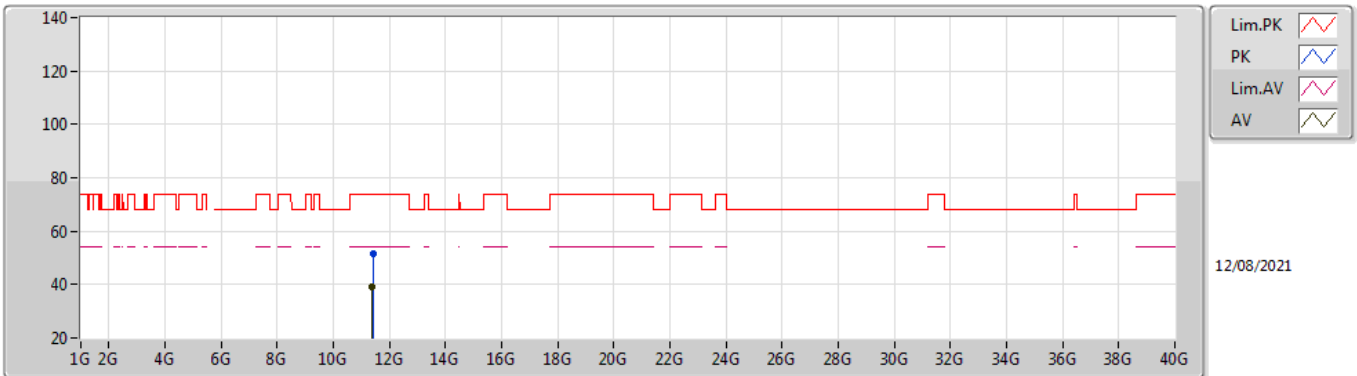


EUT_V_3TX
Setting 69
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.3789G	51.76	74.00	-22.24	38.63	3	Vertical	16	1.59	-	38.78	7.58	33.23
AV	11.4135G	38.88	54.00	-15.12	25.69	3	Vertical	16	1.59	-	38.83	7.59	33.23

802.11a_Nss1,(6Mbps)_3TX

5700MHz_TnomVnom

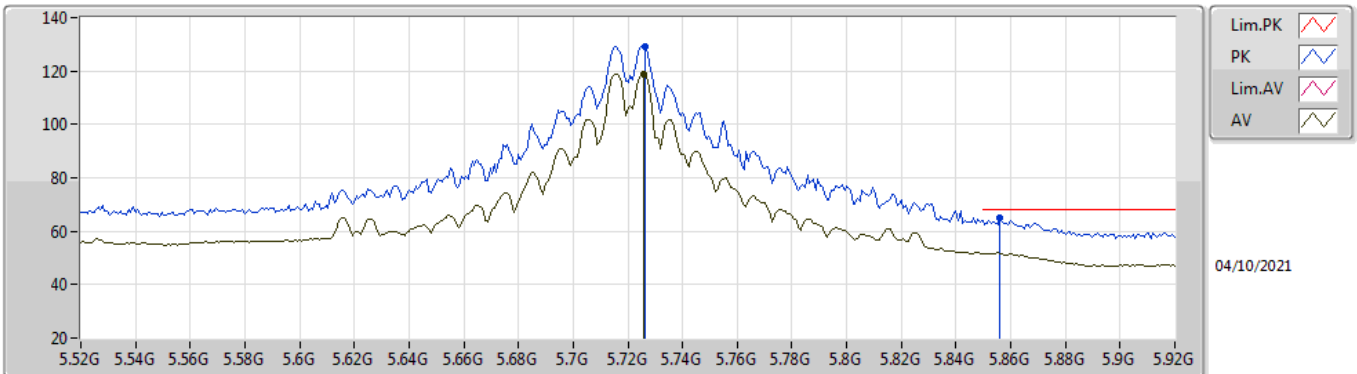


EUT_V_3TX
Setting 69
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4104G	51.80	74.00	-22.20	38.62	3	Horizontal	181	1.28	-	38.82	7.59	33.23
AV	11.3909G	39.11	54.00	-14.89	25.96	3	Horizontal	181	1.28	-	38.79	7.59	33.23

802.11a_Nss1,(6Mbps)_3TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

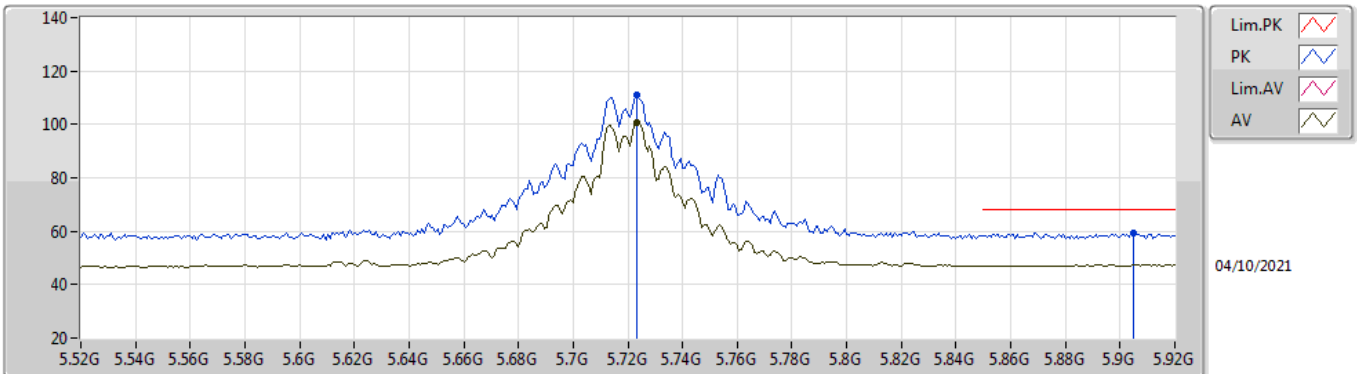


EUT_V_3TX
Setting 108
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.7264G	129.15	Inf	-Inf	122.60	3	Vertical	146	1.96	-	34.01	5.46	32.92	
AV	5.7256G	118.76	Inf	-Inf	112.22	3	Vertical	146	1.96	-	34.00	5.46	32.92	
PK	5.856G	65.07	68.20	-3.13	57.97	3	Vertical	146	1.96	-	34.54	5.50	32.94	

802.11a_Nss1,(6Mbps)_3TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

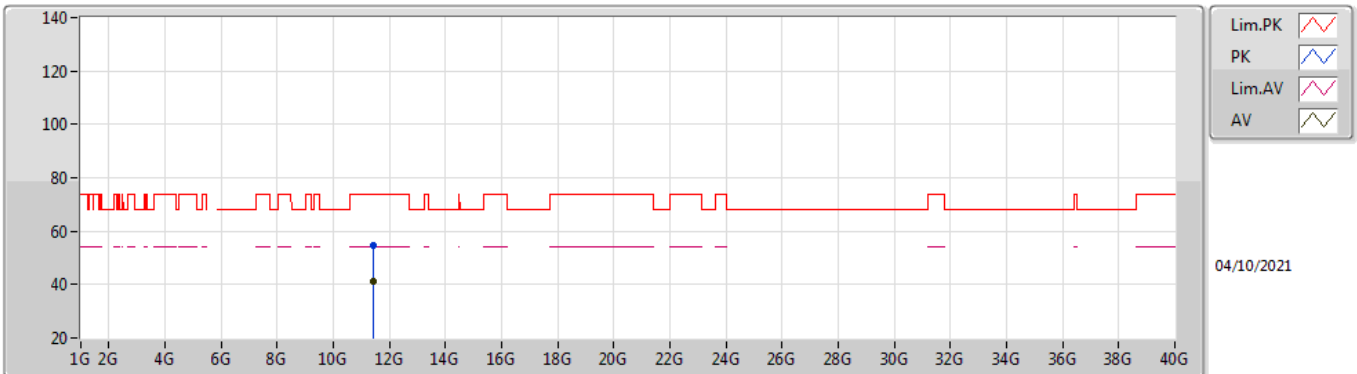


EUT V_3TX
Setting 108
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7232G	110.78	Inf	-Inf	104.25	3	Horizontal	144	1.93	-	33.99	5.46	32.92
AV	5.7232G	100.53	Inf	-Inf	94.00	3	Horizontal	144	1.93	-	33.99	5.46	32.92
PK	5.9048G	59.35	68.20	-8.85	51.97	3	Horizontal	144	1.93	-	34.82	5.50	32.94

802.11a_Nss1,(6Mbps)_3TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

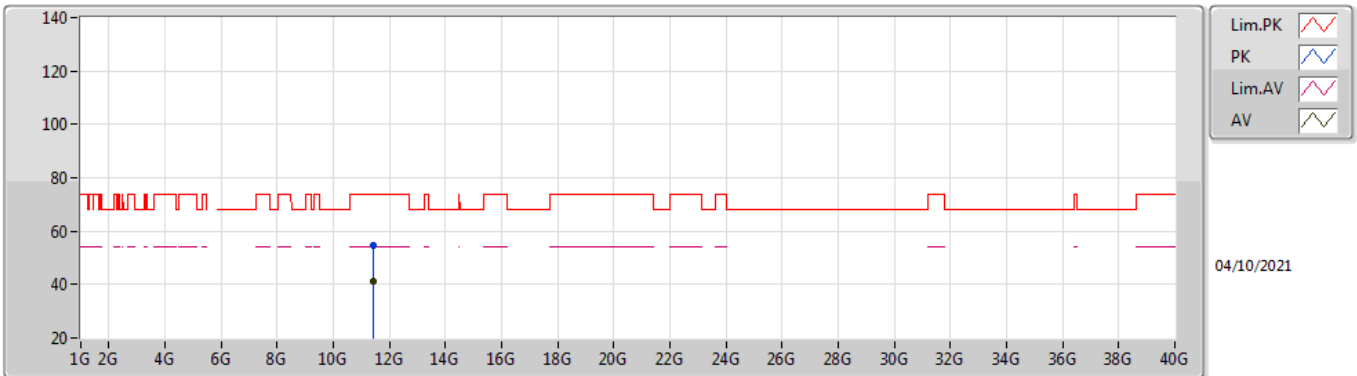


EUT_V_3TX
Setting 108
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4445G	54.49	74.00	-19.51	41.08	3	Vertical	10	1.80	-	38.40	7.81	32.80
AV	11.44028G	41.06	54.00	-12.94	27.66	3	Vertical	10	1.80	-	38.40	7.80	32.80

802.11a_Nss1,(6Mbps)_3TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

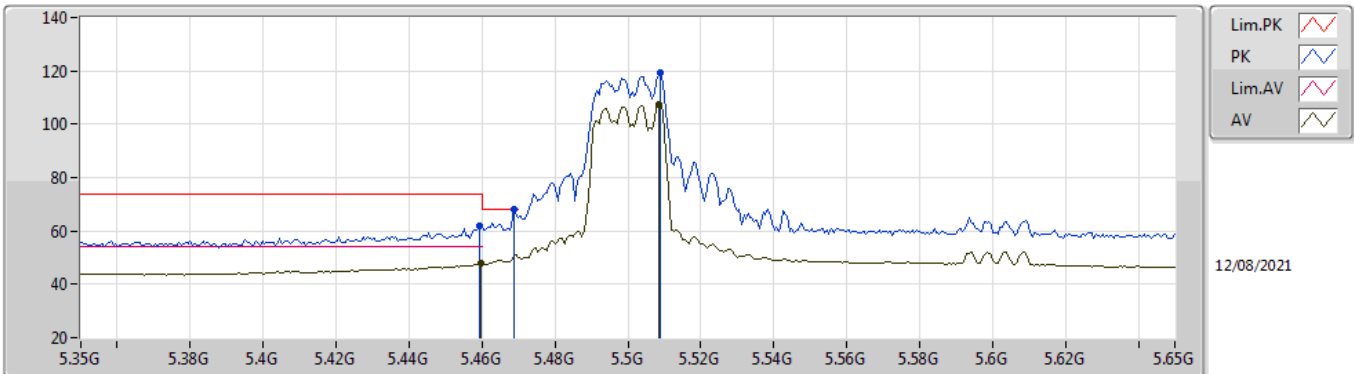


EUT_V_3TX
Setting 108
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4386G	54.50	74.00	-19.50	41.10	3	Horizontal	340	2.19	-	38.40	7.80	32.80
AV	11.44366G	41.31	54.00	-12.69	27.90	3	Horizontal	340	2.19	-	38.40	7.81	32.80

802.11ax HEW20_Nss1,(MCS0)_3TX

5500MHz_TnomVnom

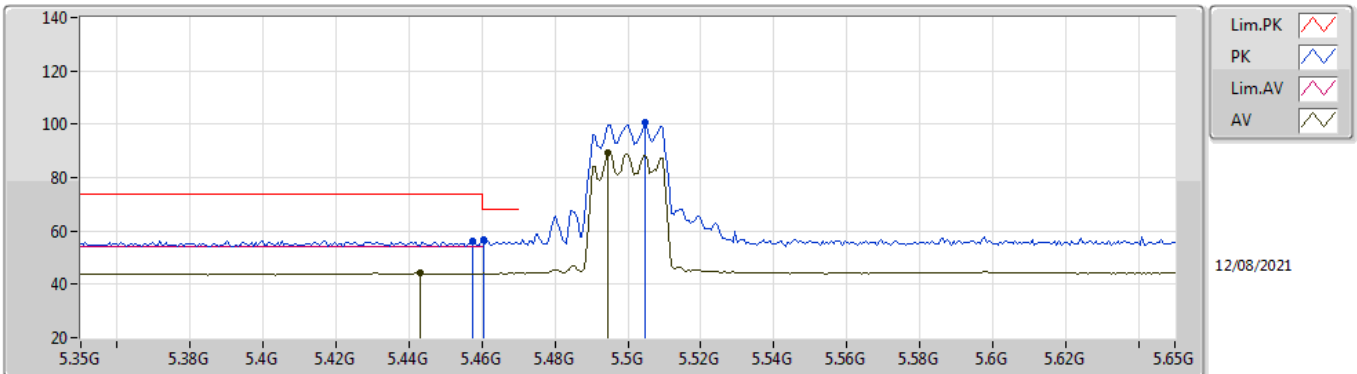


EUT V_3TX
Setting 69
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4592G	61.80	74.00	-12.20	54.97	3	Vertical	142	1.92	-	33.90	5.06	32.13
AV	5.4598G	47.78	54.00	-6.22	40.95	3	Vertical	142	1.92	-	33.90	5.06	32.13
PK	5.4688G	68.04	68.20	-0.16	61.20	3	Vertical	142	1.92	-	33.90	5.07	32.13
PK	5.509G	119.13	Inf	-Inf	112.25	3	Vertical	142	1.92	-	33.90	5.11	32.13
AV	5.5084G	107.26	Inf	-Inf	100.38	3	Vertical	142	1.92	-	33.90	5.11	32.13

802.11ax HEW20_Nss1,(MCS0)_3TX

5500MHz_TnomVnom

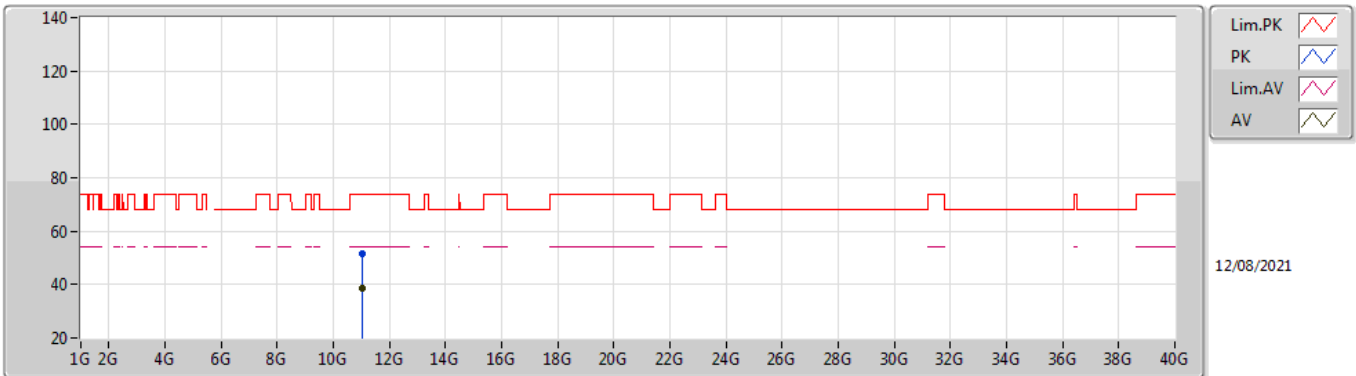


EUT_V_3TX
Setting 69
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	5.4574G	56.35	74.00	-17.65	49.52	3	Horizontal	336	1.90	-	33.90	5.06	32.13	
AV	5.443G	44.46	54.00	-9.54	37.66	3	Horizontal	336	1.90	-	33.89	5.04	32.13	
PK	5.4604G	56.47	68.20	-11.73	49.64	3	Horizontal	336	1.90	-	33.90	5.06	32.13	
PK	5.5048G	100.54	Inf	-Inf	93.67	3	Horizontal	336	1.90	-	33.90	5.10	32.13	
AV	5.4946G	89.36	Inf	-Inf	82.50	3	Horizontal	336	1.90	-	33.90	5.09	32.13	

802.11ax HEW20_Nss1,(MCS0)_3TX

5500MHz_TnomVnom

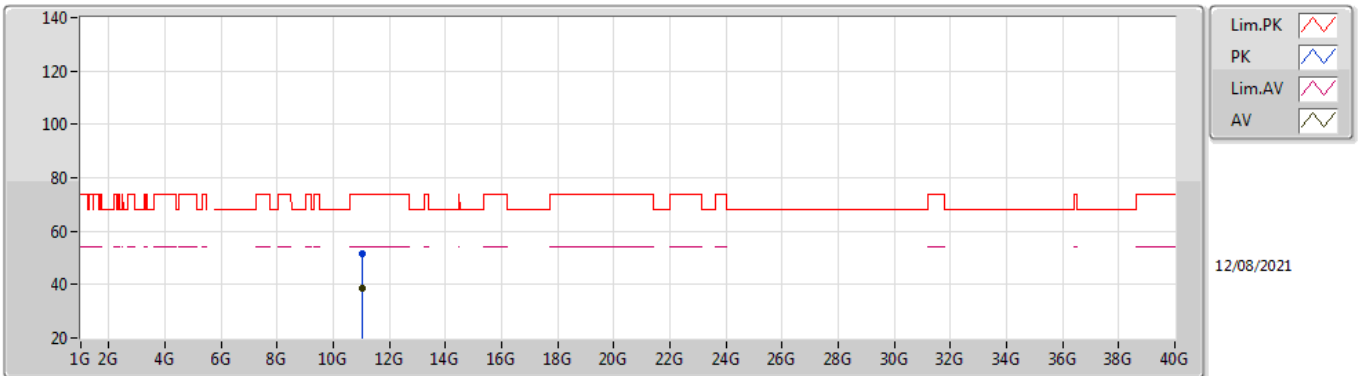


EUT V_3TX
Setting 69
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.0204G	51.30	74.00	-22.70	38.59	3	Vertical	301	2.06	-	38.52	7.46	33.27
AV	11.0173G	38.54	54.00	-15.46	25.83	3	Vertical	301	2.06	-	38.52	7.46	33.27

802.11ax HEW20_Nss1,(MCS0)_3TX

5500MHz_TnomVnom

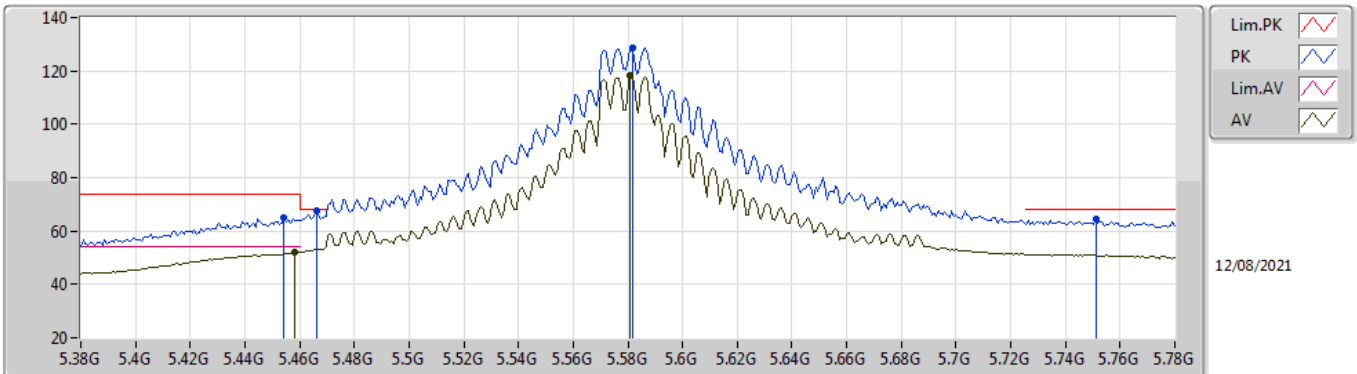


EUT V_3TX
Setting 69
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)	
PK	11.0164G	51.32	74.00	-22.68	38.61	3	Horizontal	167	2.49	-	38.52	7.46	33.27	
AV	11.0201G	38.74	54.00	-15.26	26.03	3	Horizontal	167	2.49	-	38.52	7.46	33.27	

802.11ax HEW20_Nss1,(MCS0)_3TX

5580MHz_TnomVnom

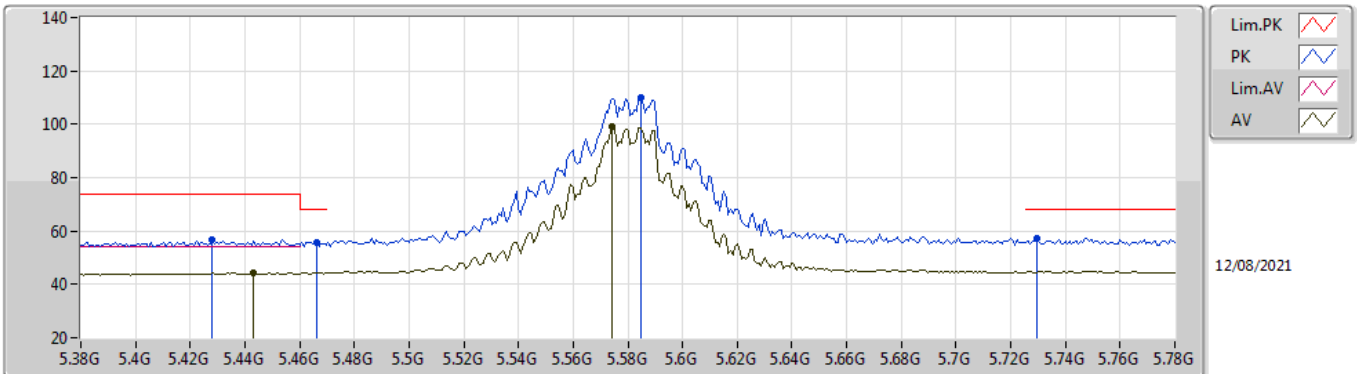


EUT V_3TX
Setting 104
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4544G	65.12	74.00	-8.88	58.30	3	Vertical	179	1.96	-	33.90	5.05	32.13
AV	5.4584G	52.12	54.00	-1.88	45.29	3	Vertical	179	1.96	-	33.90	5.06	32.13
PK	5.4664G	67.75	68.20	-0.45	60.91	3	Vertical	179	1.96	-	33.90	5.07	32.13
PK	5.5816G	128.63	Inf	-Inf	121.68	3	Vertical	179	1.96	-	33.90	5.18	32.13
AV	5.5808G	118.06	Inf	-Inf	111.11	3	Vertical	179	1.96	-	33.90	5.18	32.13
PK	5.7512G	64.63	68.20	-3.57	57.93	3	Vertical	179	1.96	-	33.80	5.05	32.15

802.11ax HEW20_Nss1,(MCS0)_3TX

5580MHz_TnomVnom

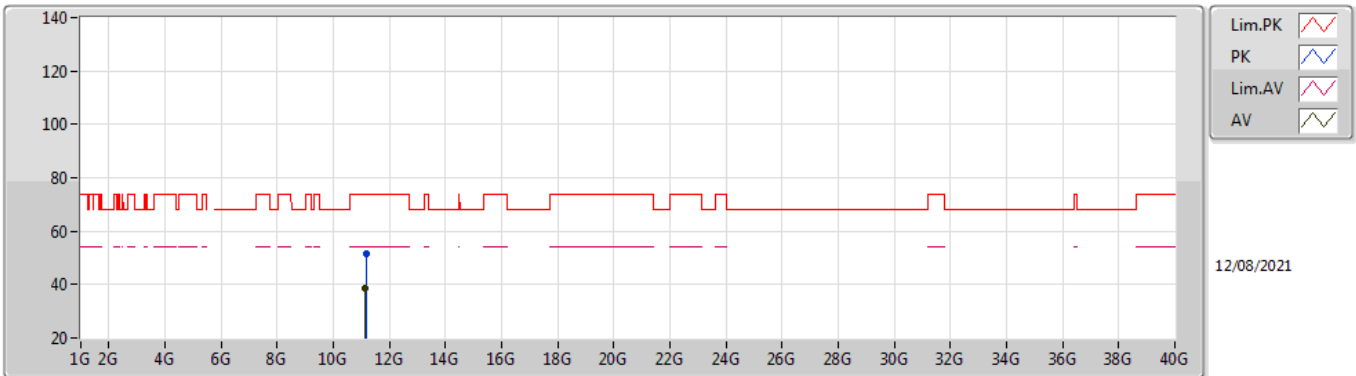


EUT V_3TX
Setting 104
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.428G	56.54	74.00	-17.46	49.78	3	Horizontal	286	1.66	-	33.86	5.03	32.13
AV	5.4432G	44.36	54.00	-9.64	37.56	3	Horizontal	286	1.66	-	33.89	5.04	32.13
PK	5.4664G	55.83	68.20	-12.37	48.99	3	Horizontal	286	1.66	-	33.90	5.07	32.13
PK	5.5848G	109.93	Inf	-Inf	102.99	3	Horizontal	286	1.66	-	33.90	5.18	32.14
AV	5.5744G	98.96	Inf	-Inf	92.02	3	Horizontal	286	1.66	-	33.90	5.17	32.13
PK	5.7296G	57.44	68.20	-10.76	50.75	3	Horizontal	286	1.66	-	33.76	5.07	32.14

802.11ax HEW20_Nss1,(MCS0)_3TX

5580MHz_TnomVnom

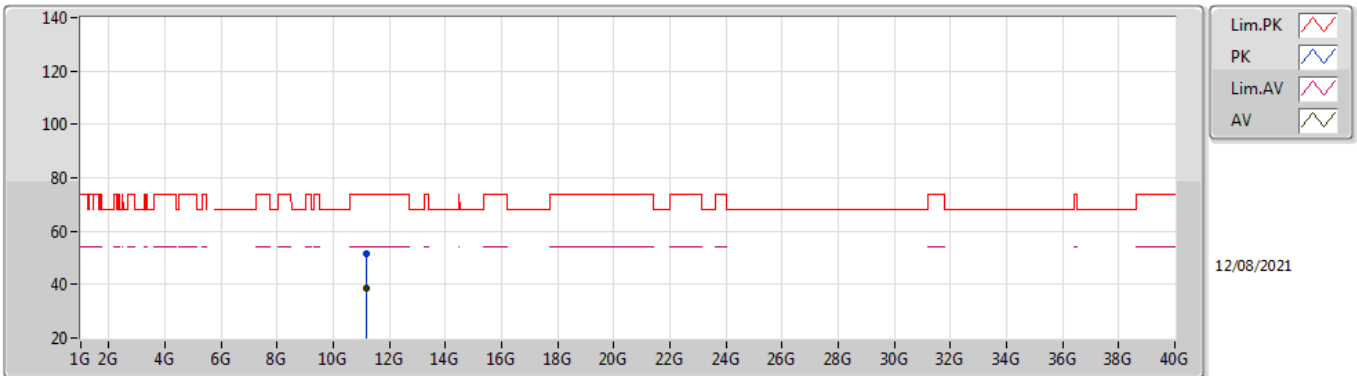


EUT V_3TX
Setting 104
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1688G	51.76	74.00	-22.24	38.83	3	Vertical	250	1.02	-	38.67	7.51	33.25
AV	11.1428G	38.71	54.00	-15.29	25.83	3	Vertical	250	1.02	-	38.64	7.50	33.26

802.11ax HEW20_Nss1,(MCS0)_3TX

5580MHz_TnomVnom

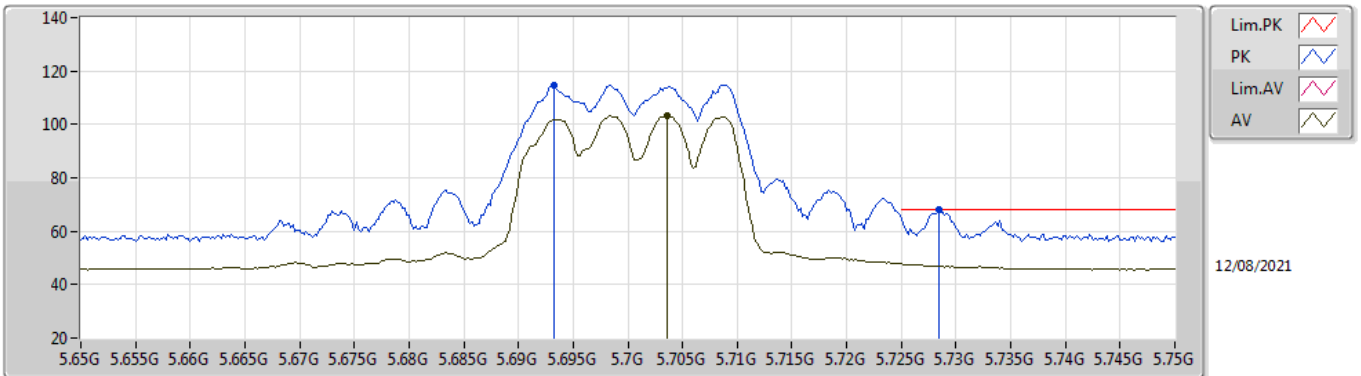


EUT_V_3TX
Setting 104
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1645G	51.72	74.00	-22.28	38.80	3	Horizontal	219	1.21	-	38.66	7.51	33.25
AV	11.1621G	38.76	54.00	-15.24	25.84	3	Horizontal	219	1.21	-	38.66	7.51	33.25

802.11ax HEW20_Nss1,(MCS0)_3TX

5700MHz_TnomVnom

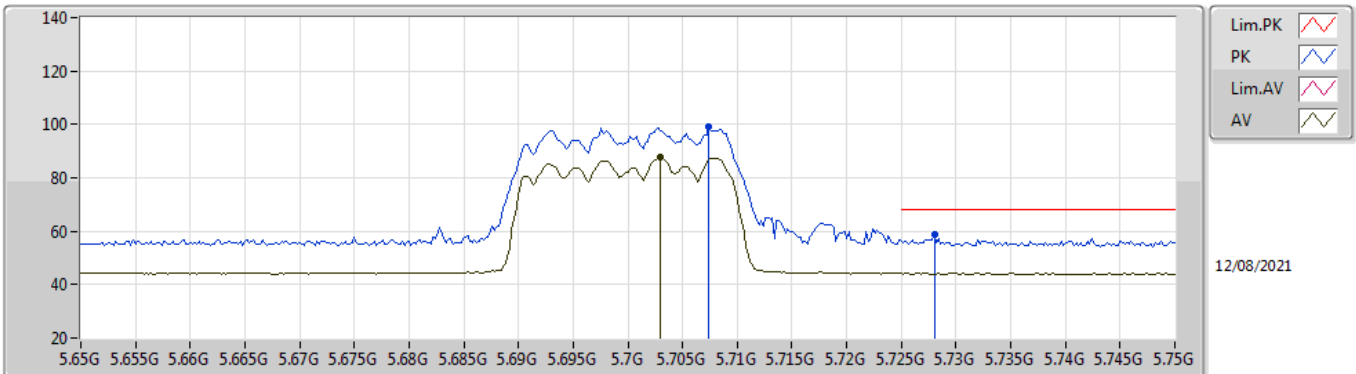


EUT V_3TX
Setting 58
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6932G	114.69	Inf	-Inf	108.01	3	Vertical	180	1.84	-	33.71	5.11	32.14
AV	5.7036G	103.32	Inf	-Inf	96.65	3	Vertical	180	1.84	-	33.71	5.10	32.14
PK	5.7284G	68.15	68.20	-0.05	61.46	3	Vertical	180	1.84	-	33.76	5.07	32.14

802.11ax HEW20_Nss1,(MCS0)_3TX

5700MHz_TnomVnom

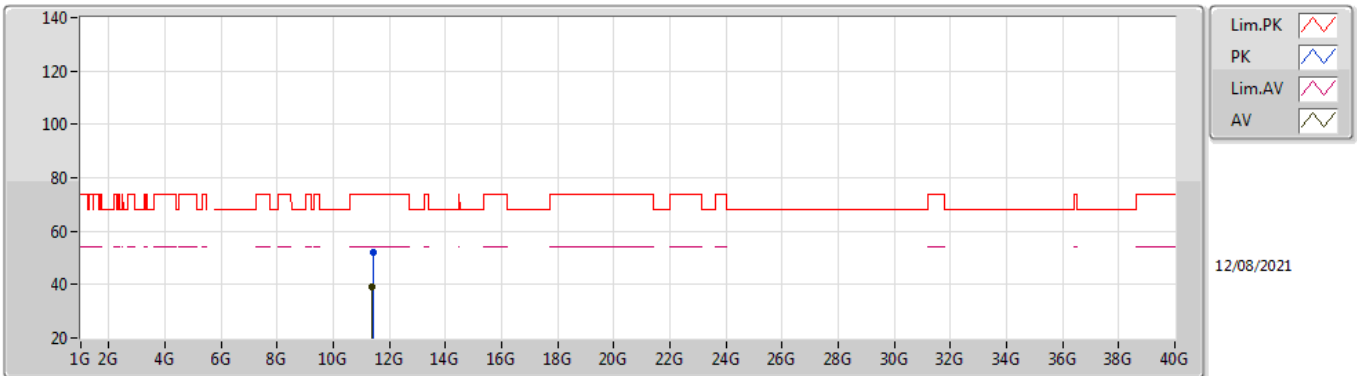


EUT_V_3TX
Setting 58
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7074G	98.90	Inf	-Inf	92.24	3	Horizontal	289	1.60	-	33.71	5.09	32.14
AV	5.703G	87.65	Inf	-Inf	80.98	3	Horizontal	289	1.60	-	33.71	5.10	32.14
PK	5.728G	58.98	68.20	-9.22	52.29	3	Horizontal	289	1.60	-	33.76	5.07	32.14

802.11ax HEW20_Nss1,(MCS0)_3TX

5700MHz_TnomVnom

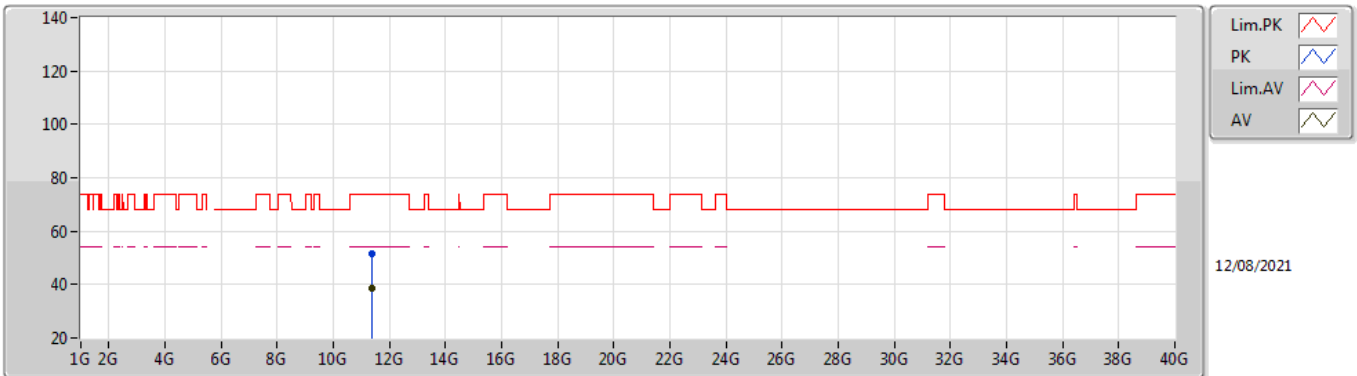


EUT V_3TX
Setting 58
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4039G	52.14	74.00	-21.86	38.97	3	Vertical	212	2.98	-	38.81	7.59	33.23
AV	11.3903G	38.92	54.00	-15.08	25.77	3	Vertical	212	2.98	-	38.79	7.59	33.23

802.11ax HEW20_Nss1,(MCS0)_3TX

5700MHz_TnomVnom

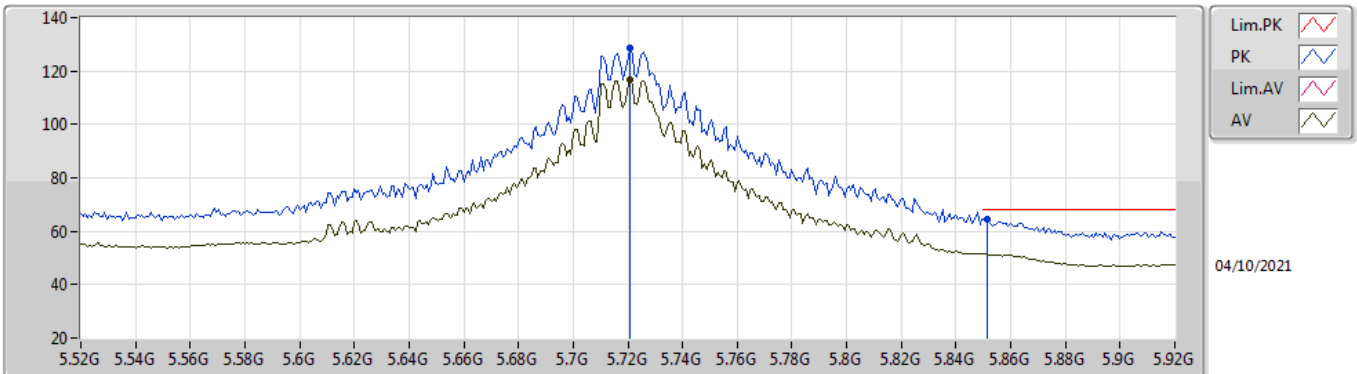


EUT_V_3TX
Setting 58
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.3906G	51.79	74.00	-22.21	38.64	3	Horizontal	29	2.01	-	38.79	7.59	33.23
AV	11.3914G	38.86	54.00	-15.14	25.71	3	Horizontal	29	2.01	-	38.79	7.59	33.23

802.11ax HEW20_Nss1,(MCS0)_3TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

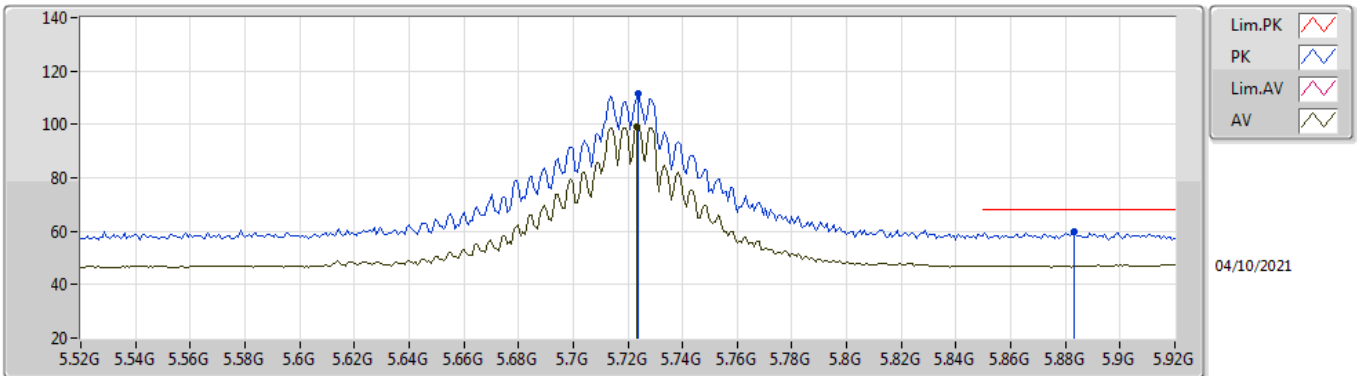


EUT V_3TX
Setting 108
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7208G	128.82	Inf	-Inf	122.30	3	Vertical	178	2.06	-	33.98	5.46	32.92
AV	5.7208G	116.53	Inf	-Inf	110.01	3	Vertical	178	2.06	-	33.98	5.46	32.92
PK	5.8512G	64.49	68.20	-3.71	57.42	3	Vertical	178	2.06	-	34.51	5.50	32.94

802.11ax HEW20_Nss1,(MCS0)_3TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

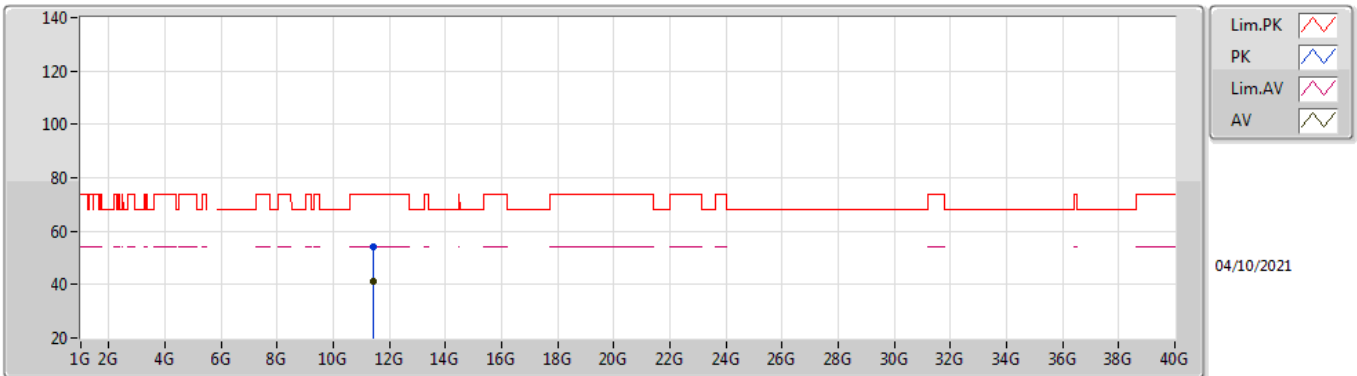


EUT V_3TX
Setting 108
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.724G	111.44	Inf	-Inf	104.90	3	Horizontal	143	1.93	-	34.00	5.46	32.92
AV	5.7232G	99.21	Inf	-Inf	92.68	3	Horizontal	143	1.93	-	33.99	5.46	32.92
PK	5.8832G	59.69	68.20	-8.51	52.43	3	Horizontal	143	1.93	-	34.70	5.50	32.94

802.11ax HEW20_Nss1,(MCS0)_3TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

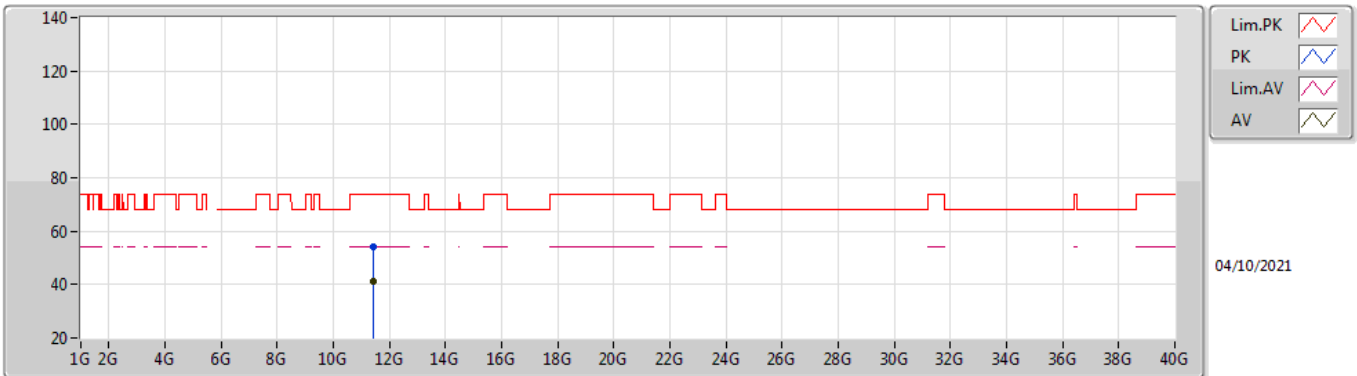


EUT V_3TX
Setting 108
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.44074G	54.31	74.00	-19.69	40.91	3	Vertical	189	2.89	-	38.40	7.80	32.80
AV	11.43532G	41.12	54.00	-12.88	27.72	3	Vertical	189	2.89	-	38.40	7.80	32.80

802.11ax HEW20_Nss1,(MCS0)_3TX

5720MHz Straddle 5.47-5.725GHz_TnomVnom

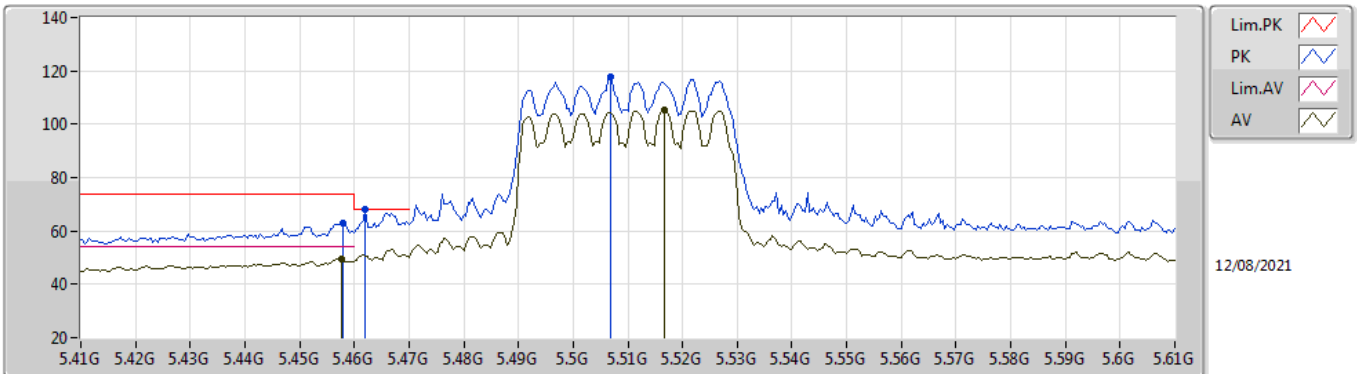


EUT V_3TX
Setting 108
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4387G	54.25	74.00	-19.75	40.85	3	Horizontal	89	1.83	-	38.40	7.80	32.80
AV	11.43796G	41.08	54.00	-12.92	27.68	3	Horizontal	89	1.83	-	38.40	7.80	32.80

802.11ax HEW40_Nss1,(MCS0)_3TX

5510MHz_TnomVnom

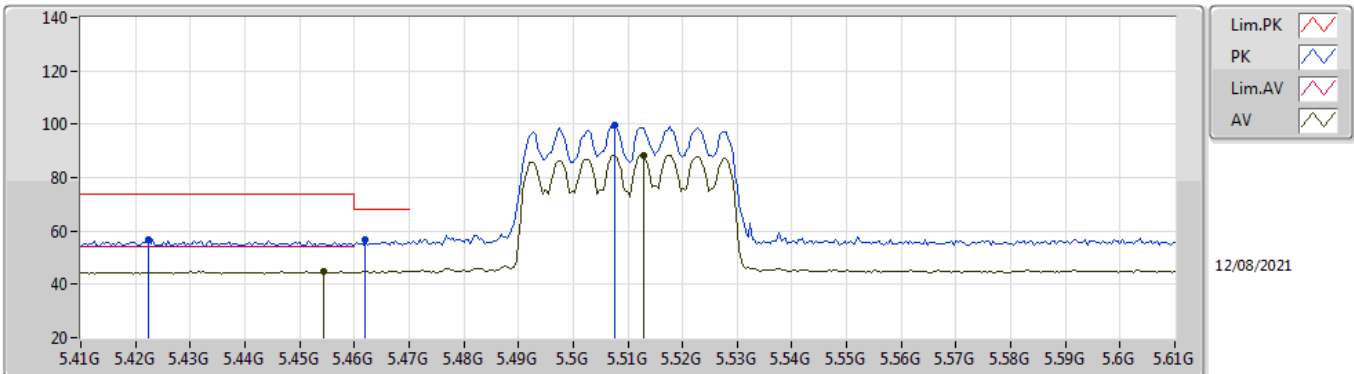


EUT_V_3TX
Setting 68
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.458G	63.01	74.00	-10.99	56.18	3	Vertical	181	1.95	-	33.90	5.06	32.13
AV	5.4576G	49.32	54.00	-4.68	42.49	3	Vertical	181	1.95	-	33.90	5.06	32.13
PK	5.462G	67.90	68.20	-0.30	61.07	3	Vertical	181	1.95	-	33.90	5.06	32.13
PK	5.5068G	117.55	Inf	-Inf	110.67	3	Vertical	181	1.95	-	33.90	5.11	32.13
AV	5.5168G	105.52	Inf	-Inf	98.63	3	Vertical	181	1.95	-	33.90	5.12	32.13

802.11ax HEW40_Nss1,(MCS0)_3TX

5510MHz_TnomVnom

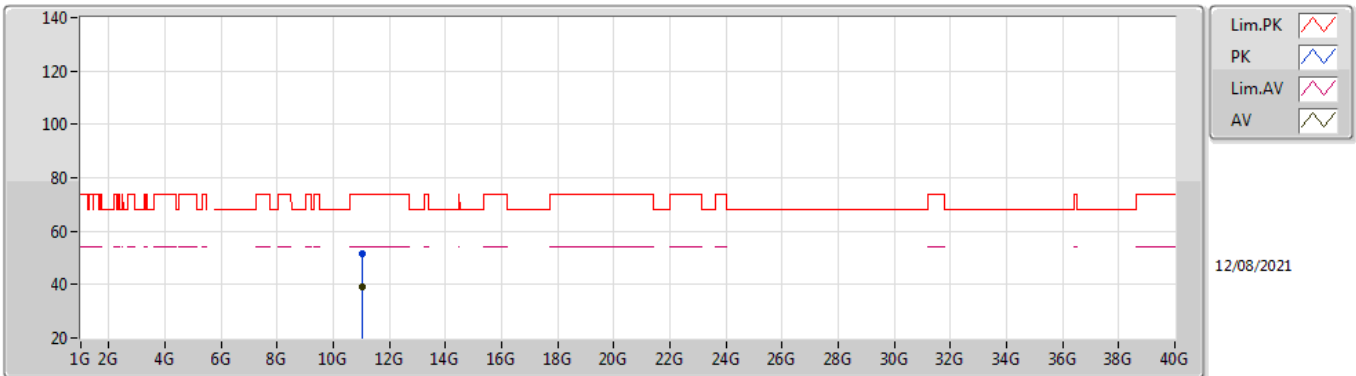


EUT V_3TX
Setting 68
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4224G	56.76	74.00	-17.24	50.03	3	Horizontal	331	1.31	-	33.84	5.02	32.13
PK	5.462G	56.96	68.20	-11.24	50.13	3	Horizontal	331	1.31	-	33.90	5.06	32.13
AV	5.4544G	44.68	54.00	-9.32	37.86	3	Horizontal	331	1.31	-	33.90	5.05	32.13
PK	5.5076G	99.40	Inf	-Inf	92.52	3	Horizontal	331	1.31	-	33.90	5.11	32.13
AV	5.5128G	88.43	Inf	-Inf	81.55	3	Horizontal	331	1.31	-	33.90	5.11	32.13

802.11ax HEW40_Nss1,(MCS0)_3TX

5510MHz_TnomVnom

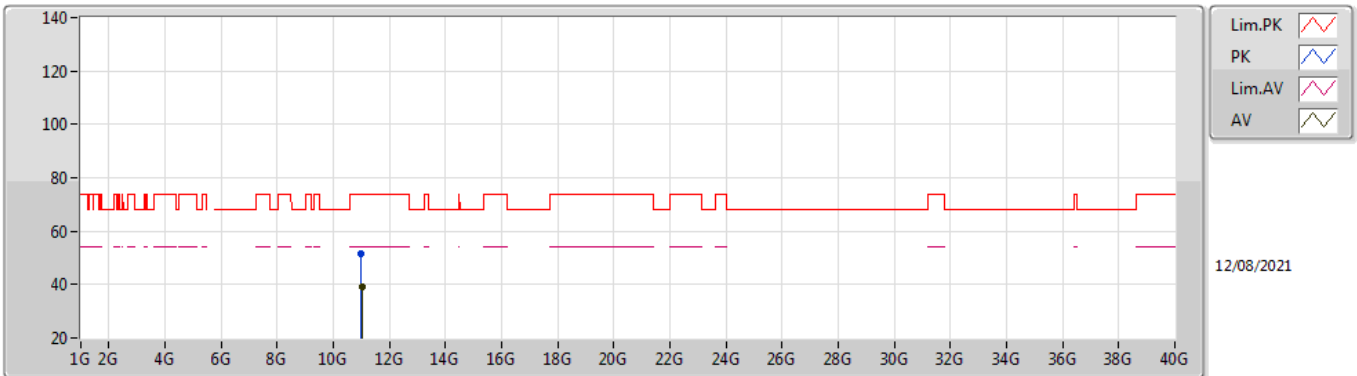


EUT_V_3TX
Setting 68
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.0311G	51.61	74.00	-22.39	38.89	3	Vertical	237	1.17	-	38.53	7.46	33.27
AV	11.0165G	39.34	54.00	-14.66	26.63	3	Vertical	237	1.17	-	38.52	7.46	33.27

802.11ax HEW40_Nss1,(MCS0)_3TX

5510MHz_TnomVnom

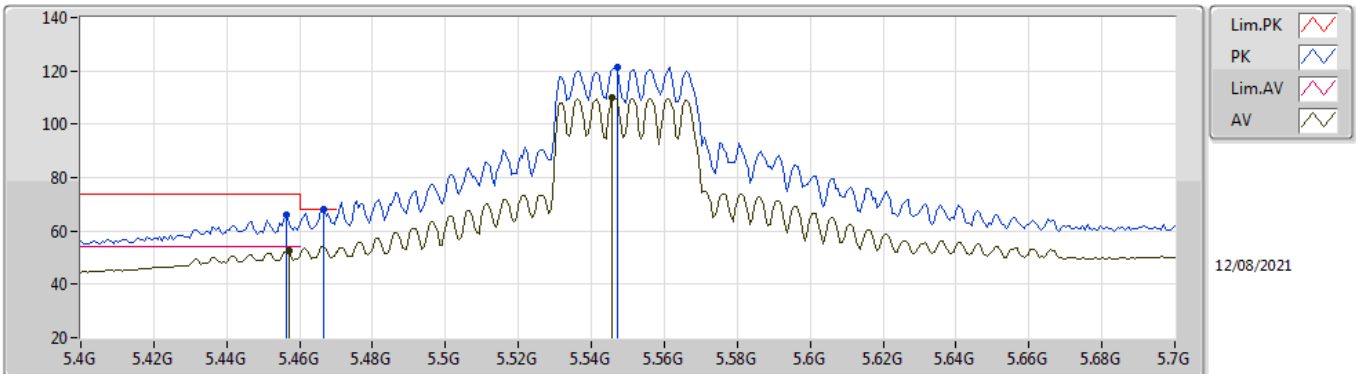


EUT_V_3TX
Setting 68
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.9985G	51.66	74.00	-22.34	38.98	3	Horizontal	171	1.92	-	38.50	7.45	33.27
AV	11.025G	39.30	54.00	-14.70	26.59	3	Horizontal	171	1.92	-	38.52	7.46	33.27

802.11ax HEW40_Nss1,(MCS0)_3TX

5550MHz_TnomVnom

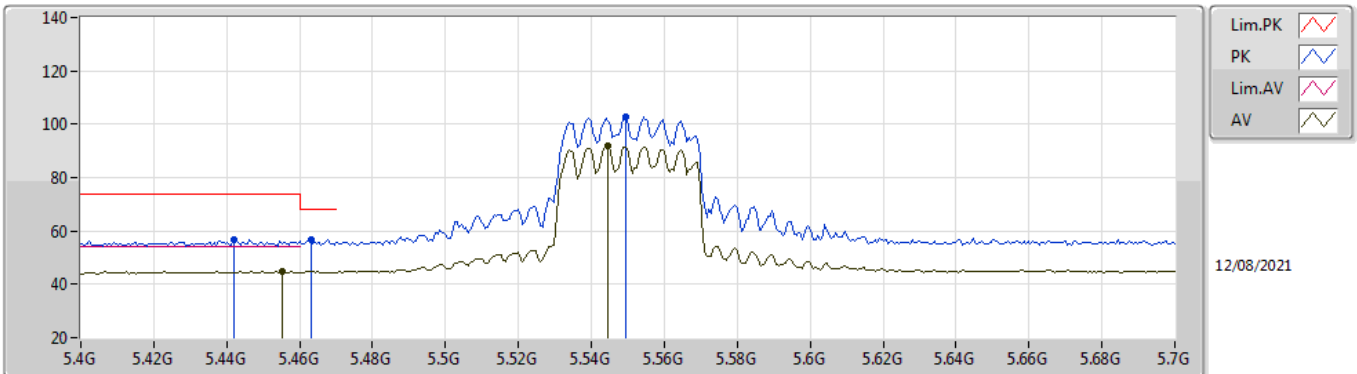


EUT V_3TX
Setting 86
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4564G	66.10	74.00	-7.90	59.27	3	Vertical	179	1.97	-	33.90	5.06	32.13
AV	5.457G	52.43	54.00	-1.57	45.60	3	Vertical	179	1.97	-	33.90	5.06	32.13
PK	5.4666G	68.15	68.20	-0.05	61.31	3	Vertical	179	1.97	-	33.90	5.07	32.13
PK	5.547G	121.62	Inf	-Inf	114.70	3	Vertical	179	1.97	-	33.90	5.15	32.13
AV	5.5458G	110.10	Inf	-Inf	103.18	3	Vertical	179	1.97	-	33.90	5.15	32.13

802.11ax HEW40_Nss1,(MCS0)_3TX

5550MHz_TnomVnom

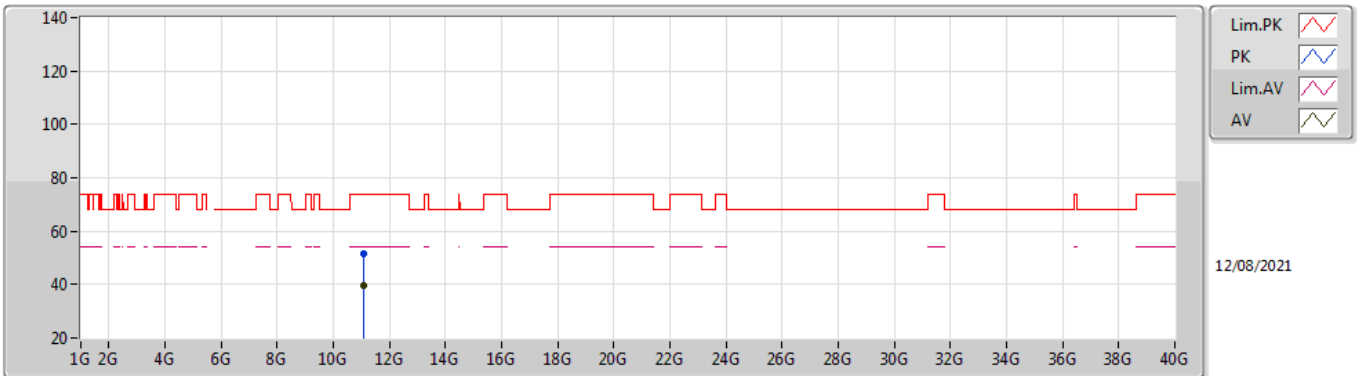


EUT V_3TX
Setting 86
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.442G	56.90	74.00	-17.10	50.11	3	Horizontal	290	1.71	-	33.88	5.04	32.13
PK	5.463G	56.74	68.20	-11.46	49.91	3	Horizontal	290	1.71	-	33.90	5.06	32.13
AV	5.4552G	44.82	54.00	-9.18	37.99	3	Horizontal	290	1.71	-	33.90	5.06	32.13
PK	5.5494G	102.76	Inf	-Inf	95.84	3	Horizontal	290	1.71	-	33.90	5.15	32.13
AV	5.5446G	91.96	Inf	-Inf	85.05	3	Horizontal	290	1.71	-	33.90	5.14	32.13

802.11ax HEW40_Nss1,(MCS0)_3TX

5550MHz_TnomVnom

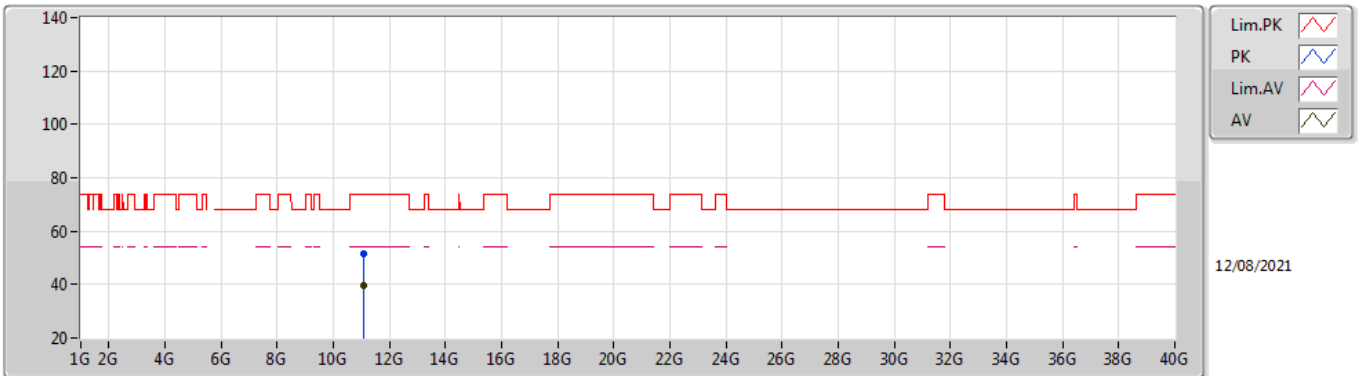


EUT V_3TX
Setting 86
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.0991G	51.46	74.00	-22.54	38.64	3	Vertical	296	1.58	-	38.60	7.48	33.26
AV	11.1004G	39.46	54.00	-14.54	26.63	3	Vertical	296	1.58	-	38.60	7.49	33.26

802.11ax HEW40_Nss1,(MCS0)_3TX

5550MHz_TnomVnom

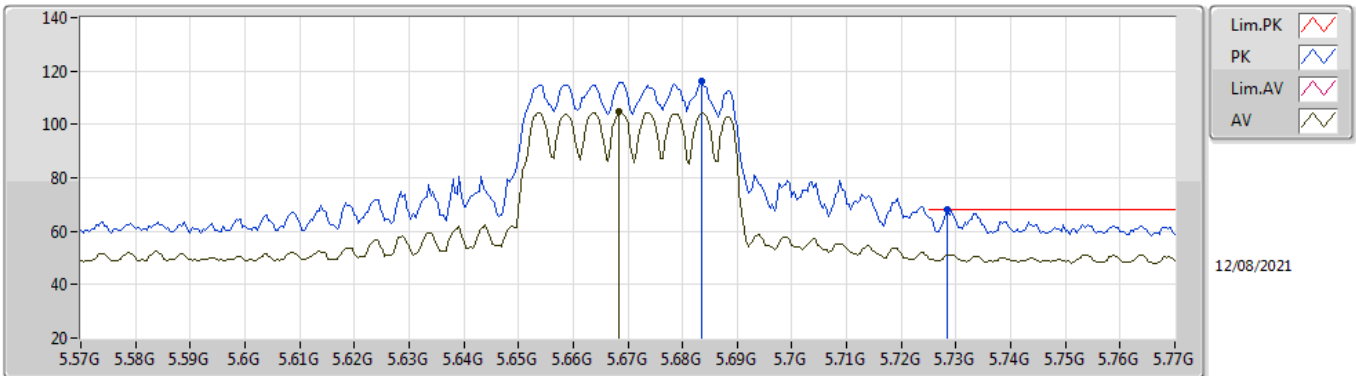


EUT V_3TX
Setting 86
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.077G	51.57	74.00	-22.43	38.77	3	Horizontal	96	2.74	-	38.58	7.48	33.26
AV	11.1018G	39.66	54.00	-14.34	26.83	3	Horizontal	96	2.74	-	38.60	7.49	33.26

802.11ax HEW40_Nss1,(MCS0)_3TX

5670MHz_TnomVnom

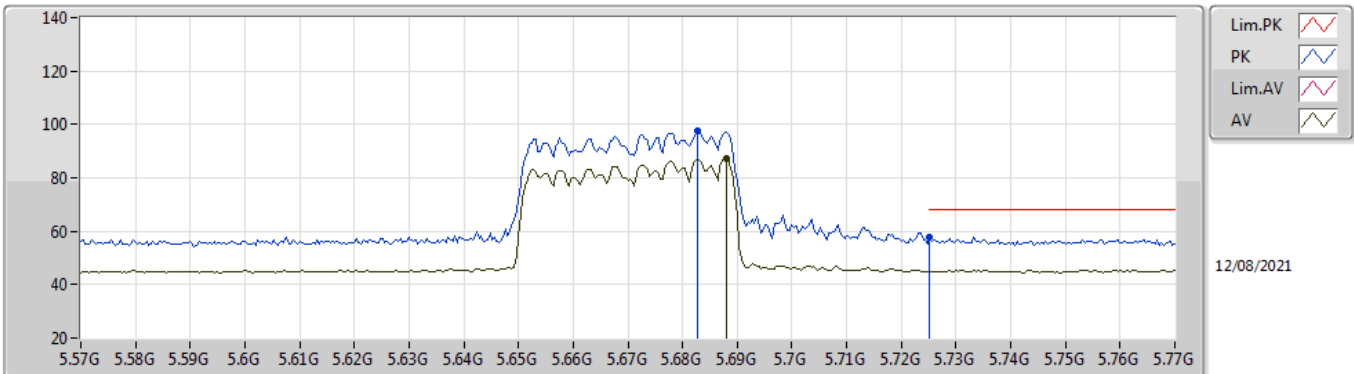


EUT V_3TX
Setting 76
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6836G	116.20	Inf	-Inf	109.49	3	Vertical	181	1.83	-	33.73	5.12	32.14
AV	5.684G	104.74	Inf	-Inf	97.99	3	Vertical	181	1.83	-	33.76	5.13	32.14
PK	5.7284G	68.10	68.20	-0.10	61.41	3	Vertical	181	1.83	-	33.76	5.07	32.14

802.11ax HEW40_Nss1,(MCS0)_3TX

5670MHz_TnomVnom

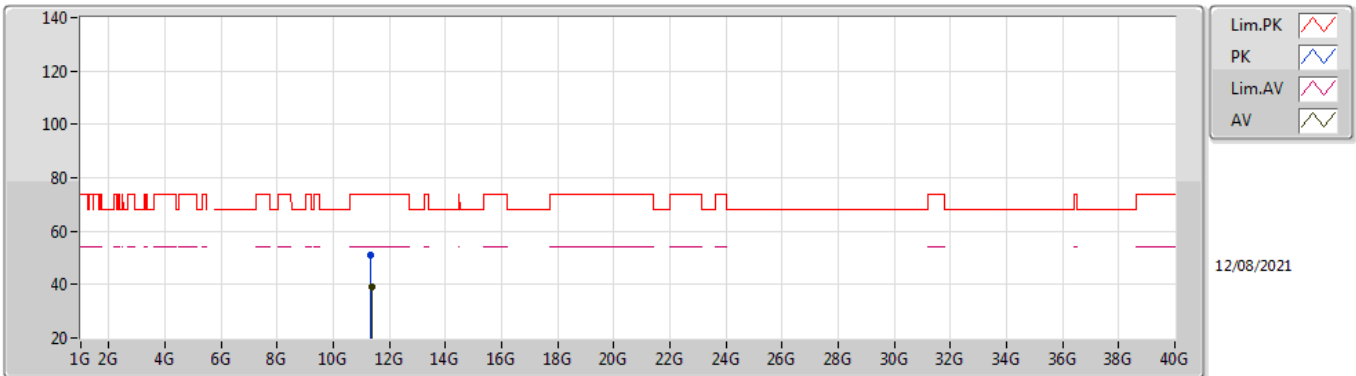


EUT_V_3TX
Setting 76
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6828G	97.62	Inf	-Inf	90.91	3	Horizontal	297	1.95	-	33.73	5.12	32.14
AV	5.688G	87.46	Inf	-Inf	80.77	3	Horizontal	297	1.95	-	33.72	5.11	32.14
PK	5.7252G	57.77	68.20	-10.43	51.09	3	Horizontal	297	1.95	-	33.75	5.07	32.14

802.11ax HEW40_Nss1,(MCS0)_3TX

5670MHz_TnomVnom

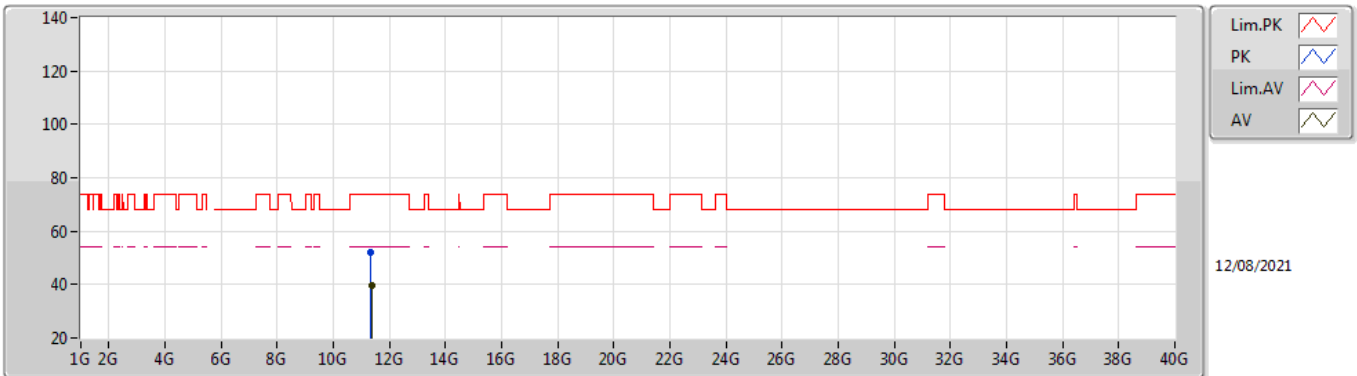


EUT_V_3TX
Setting 76
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.3331G	51.04	74.00	-22.96	37.98	3	Vertical	287	1.93	-	38.73	7.57	33.24
AV	11.363G	39.30	54.00	-14.70	26.19	3	Vertical	287	1.93	-	38.76	7.58	33.23

802.11ax HEW40_Nss1,(MCS0)_3TX

5670MHz_TnomVnom

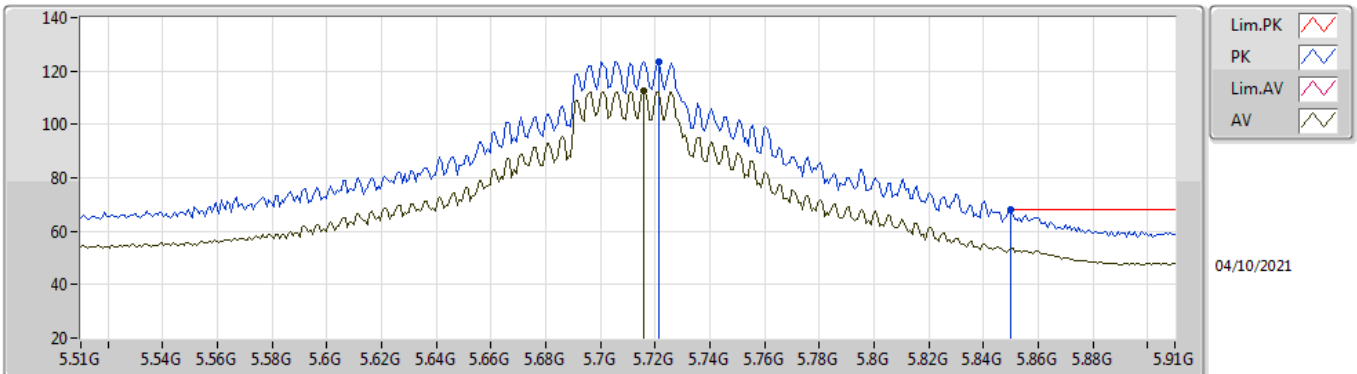


EUT_V_3TX
Setting 76
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.3369G	51.85	74.00	-22.15	38.78	3	Horizontal	347	1.80	-	38.74	7.57	33.24
AV	11.3589G	39.80	54.00	-14.20	26.69	3	Horizontal	347	1.80	-	38.76	7.58	33.23

802.11ax HEW40_Nss1,(MCS0)_3TX

5710MHz Straddle 5.47-5.725GHz_TnomVnom

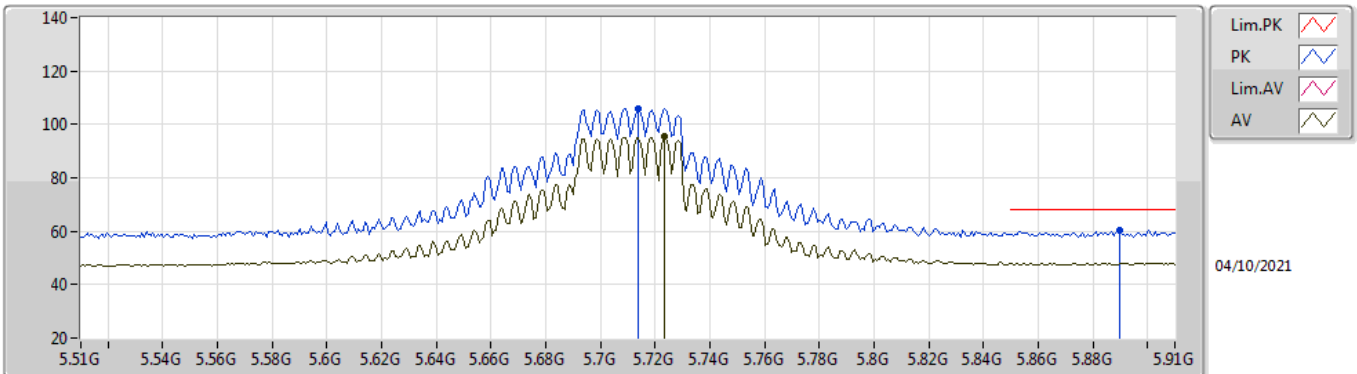


EUT V_3TX
Setting 104
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7212G	123.50	Inf	-Inf	116.98	3	Vertical	179	2.04	-	33.98	5.46	32.92
AV	5.7156G	112.72	Inf	-Inf	106.22	3	Vertical	179	2.04	-	33.96	5.46	32.92
PK	5.85G	67.86	68.20	-0.34	60.80	3	Vertical	179	2.04	-	34.50	5.50	32.94

802.11ax HEW40_Nss1,(MCS0)_3TX

5710MHz Straddle 5.47-5.725GHz_TnomVnom

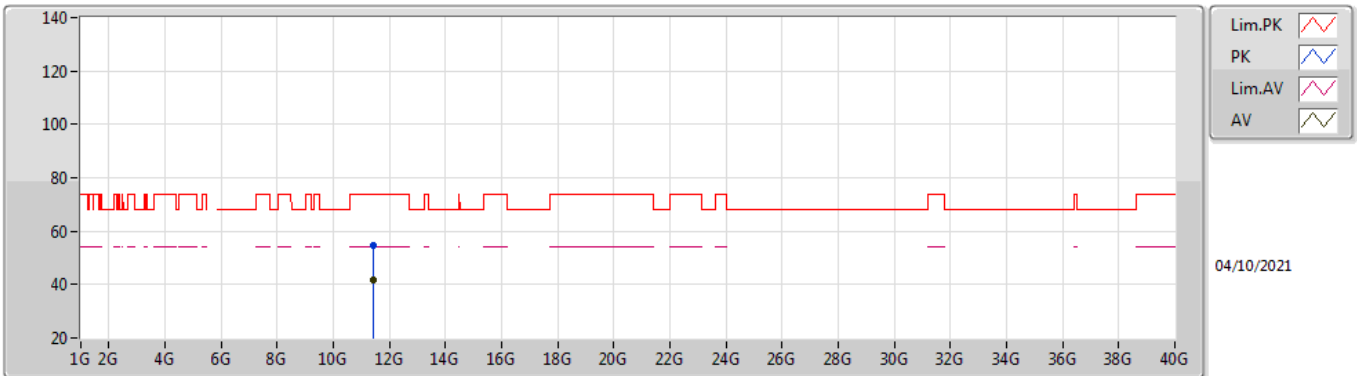


EUT V_3TX
Setting 104
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.714G	105.89	Inf	-Inf	99.39	3	Horizontal	143	1.92	-	33.96	5.46	32.92
AV	5.7236G	95.29	Inf	-Inf	88.76	3	Horizontal	143	1.92	-	33.99	5.46	32.92
PK	5.89G	60.50	68.20	-7.70	53.20	3	Horizontal	143	1.92	-	34.74	5.50	32.94

802.11ax HEW40_Nss1,(MCS0)_3TX

5710MHz Straddle 5.47-5.725GHz_TnomVnom

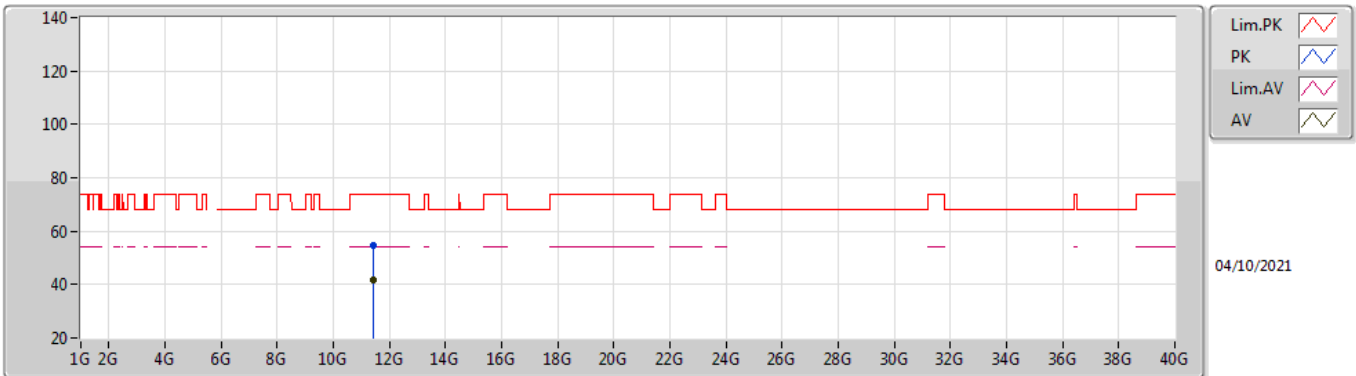


EUT Y_3TX
Setting 104
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.42192G	54.89	74.00	-19.11	41.49	3	Vertical	24	1.02	-	38.40	7.80	32.80
AV	11.4167G	41.95	54.00	-12.05	28.55	3	Vertical	24	1.02	-	38.40	7.80	32.80

802.11ax HEW40_Nss1,(MCS0)_3TX

5710MHz Straddle 5.47-5.725GHz_TnomVnom

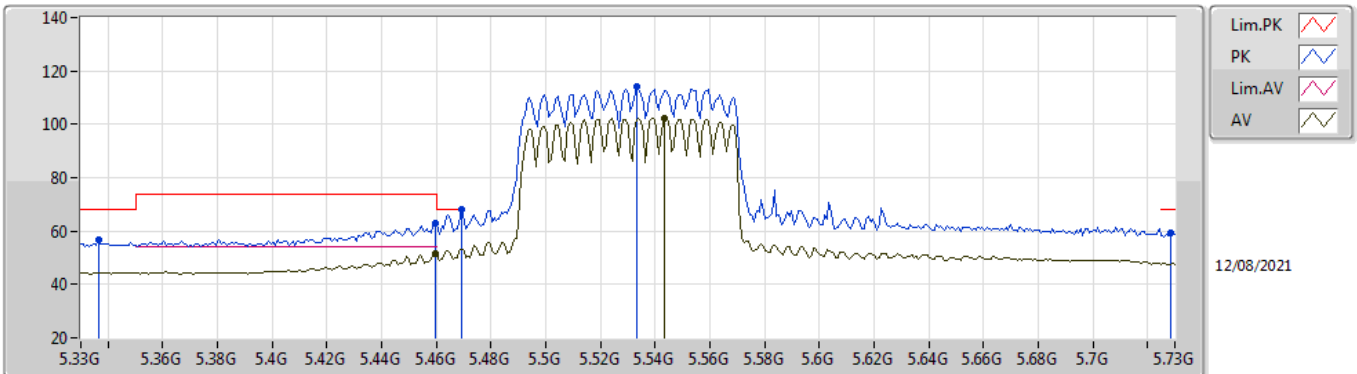


EUT V_3TX
Setting 104
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.41762G	54.44	74.00	-19.56	41.04	3	Horizontal	101	2.04	-	38.40	7.80	32.80
AV	11.41868G	41.81	54.00	-12.19	28.41	3	Horizontal	101	2.04	-	38.40	7.80	32.80

802.11ax HEW80_Nss1,(MCS0)_3TX

5530MHz_TnomVnom

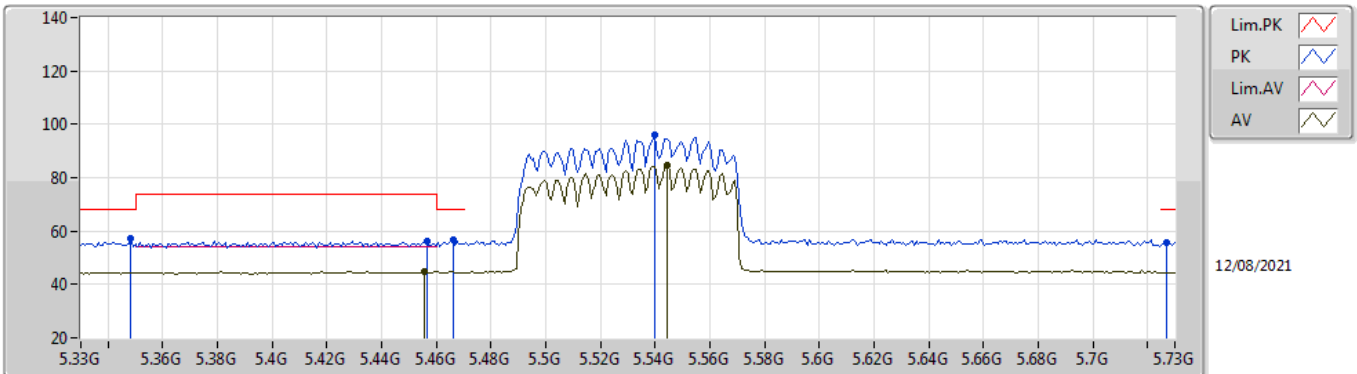


EUT_V_3TX
Setting 68
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3364G	56.63	68.20	-11.57	50.04	3	Vertical	180	1.83	-	33.70	5.03	32.14
PK	5.4596G	62.89	74.00	-11.11	56.06	3	Vertical	180	1.83	-	33.90	5.06	32.13
AV	5.4596G	51.50	54.00	-2.50	44.67	3	Vertical	180	1.83	-	33.90	5.06	32.13
PK	5.4692G	68.03	68.20	-0.17	61.19	3	Vertical	180	1.83	-	33.90	5.07	32.13
PK	5.5332G	113.88	Inf	-Inf	106.98	3	Vertical	180	1.83	-	33.90	5.13	32.13
AV	5.5436G	102.47	Inf	-Inf	95.56	3	Vertical	180	1.83	-	33.90	5.14	32.13
PK	5.7284G	59.22	68.20	-8.98	52.53	3	Vertical	180	1.83	-	33.76	5.07	32.14

802.11ax HEW80_Nss1,(MCS0)_3TX

5530MHz_TnomVnom

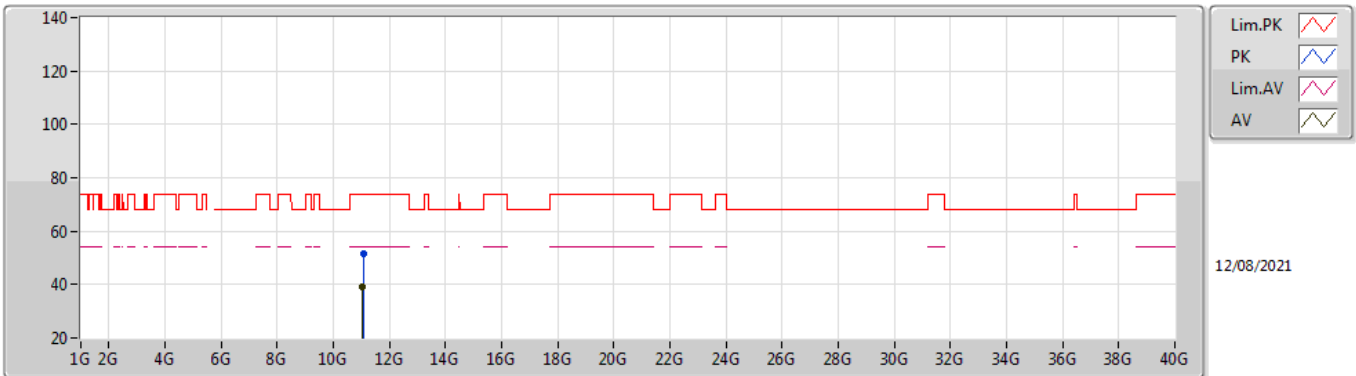


EUT_V_3TX
Setting 68
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3484G	57.22	68.20	-10.98	50.63	3	Horizontal	291	1.73	-	33.70	5.03	32.14
PK	5.4564G	56.37	74.00	-17.63	49.54	3	Horizontal	291	1.73	-	33.90	5.06	32.13
AV	5.4556G	44.92	54.00	-9.08	38.09	3	Horizontal	291	1.73	-	33.90	5.06	32.13
PK	5.466G	56.55	68.20	-11.65	49.71	3	Horizontal	291	1.73	-	33.90	5.07	32.13
PK	5.5396G	96.06	Inf	-Inf	89.15	3	Horizontal	291	1.73	-	33.90	5.14	32.13
AV	5.5444G	84.56	Inf	-Inf	77.65	3	Horizontal	291	1.73	-	33.90	5.14	32.13
PK	5.7268G	55.66	68.20	-12.54	48.98	3	Horizontal	291	1.73	-	33.75	5.07	32.14

802.11ax HEW80_Nss1,(MCS0)_3TX

5530MHz_TnomVnom

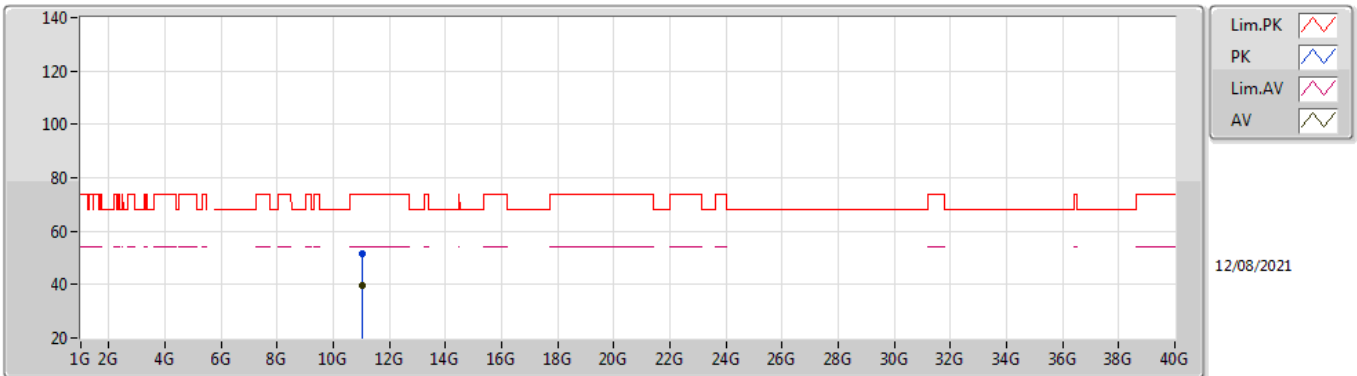


EUT_V_3TX
Setting 68
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.0828G	51.52	74.00	-22.48	38.72	3	Vertical	328	2.25	-	38.58	7.48	33.26
AV	11.0415G	39.37	54.00	-14.63	26.64	3	Vertical	328	2.25	-	38.54	7.46	33.27

802.11ax HEW80_Nss1,(MCS0)_3TX

5530MHz_TnomVnom

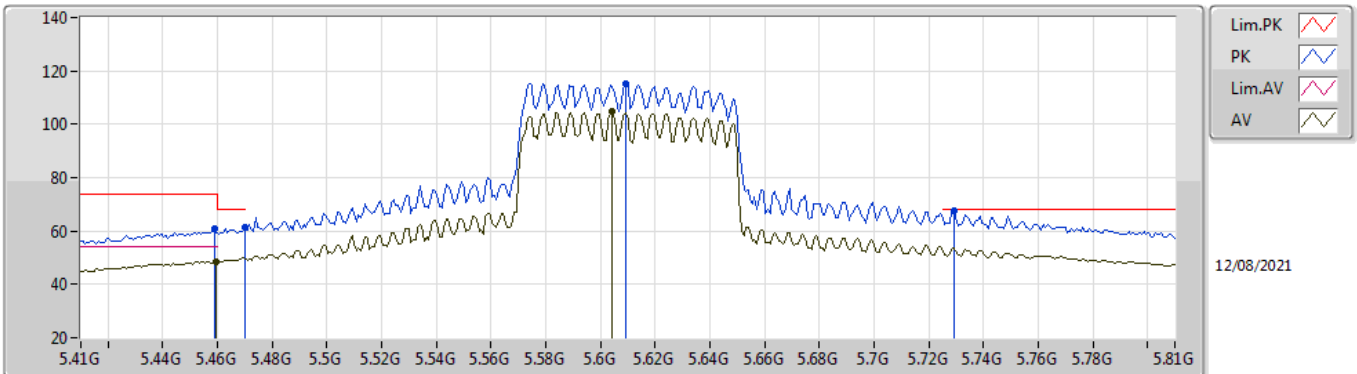


EUT_V_3TX
Setting 68
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.0513G	51.48	74.00	-22.52	38.72	3	Horizontal	299	1.92	-	38.55	7.47	33.26
AV	11.035G	39.43	54.00	-14.57	26.71	3	Horizontal	299	1.92	-	38.53	7.46	33.27

802.11ax HEW80_Nss1,(MCS0)_3TX

5610MHz_TnomVnom

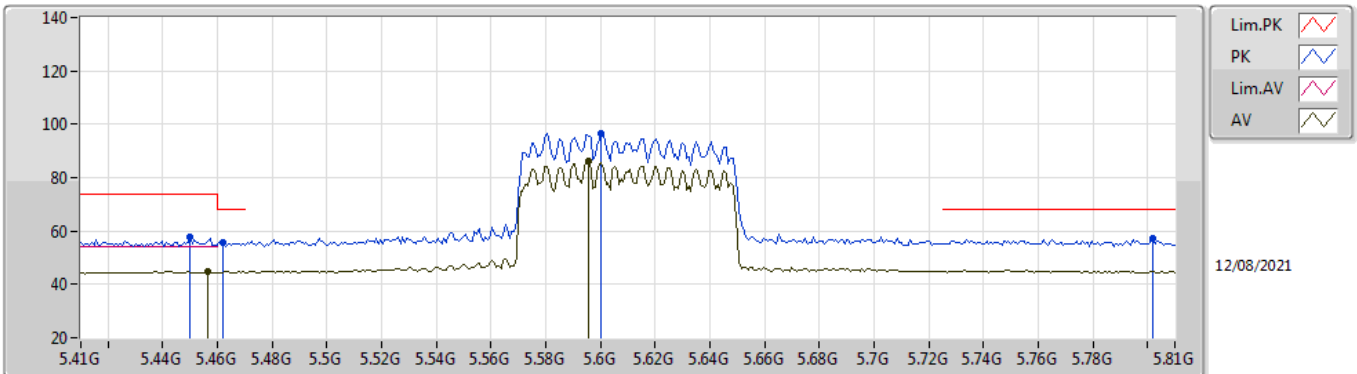


EUT_V_3TX
Setting 79
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4588G	60.98	74.00	-13.02	54.15	3	Vertical	182	2.06	-	33.90	5.06	32.13
AV	5.4596G	48.65	54.00	-5.35	41.82	3	Vertical	182	2.06	-	33.90	5.06	32.13
PK	5.47G	61.50	68.20	-6.70	54.66	3	Vertical	182	2.06	-	33.90	5.07	32.13
PK	5.6092G	115.38	Inf	-Inf	108.45	3	Vertical	182	2.06	-	33.88	5.19	32.14
AV	5.6044G	104.77	Inf	-Inf	97.82	3	Vertical	182	2.06	-	33.89	5.20	32.14
PK	5.7292G	67.58	68.20	-0.62	60.89	3	Vertical	182	2.06	-	33.76	5.07	32.14

802.11ax HEW80_Nss1,(MCS0)_3TX

5610MHz_TnomVnom

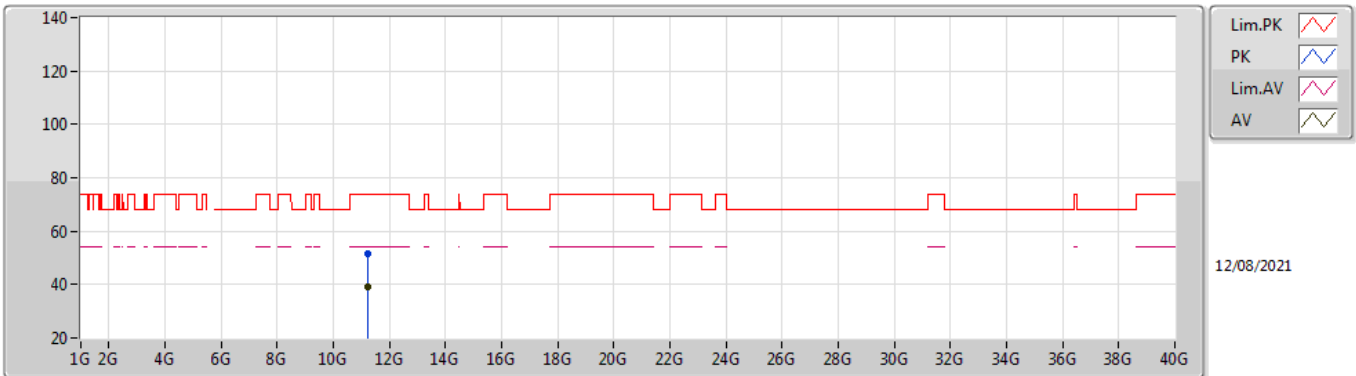


EUT V_3TX
Setting 79
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.45G	57.92	74.00	-16.08	51.10	3	Horizontal	329	1.90	-	33.90	5.05	32.13
PK	5.462G	55.88	68.20	-12.32	49.05	3	Horizontal	329	1.90	-	33.90	5.06	32.13
AV	5.4564G	44.82	54.00	-9.18	37.99	3	Horizontal	329	1.90	-	33.90	5.06	32.13
PK	5.6004G	96.71	Inf	-Inf	89.75	3	Horizontal	329	1.90	-	33.90	5.20	32.14
AV	5.5956G	86.45	Inf	-Inf	79.49	3	Horizontal	329	1.90	-	33.90	5.20	32.14
PK	5.802G	57.02	68.20	-11.18	50.46	3	Horizontal	329	1.90	-	33.70	5.01	32.15

802.11ax HEW80_Nss1,(MCS0)_3TX

5610MHz_TnomVnom

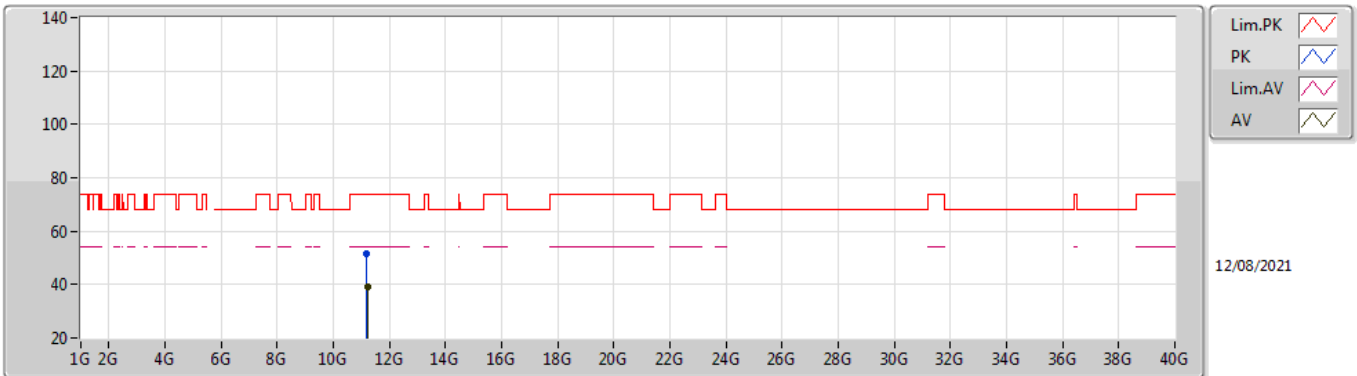


EUT V_3TX
Setting 79
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.2173G	51.36	74.00	-22.64	38.38	3	Vertical	322	2.80	-	38.70	7.53	33.25
AV	11.2148G	39.24	54.00	-14.76	26.26	3	Vertical	322	2.80	-	38.70	7.53	33.25

802.11ax HEW80_Nss1,(MCS0)_3TX

5610MHz_TnomVnom

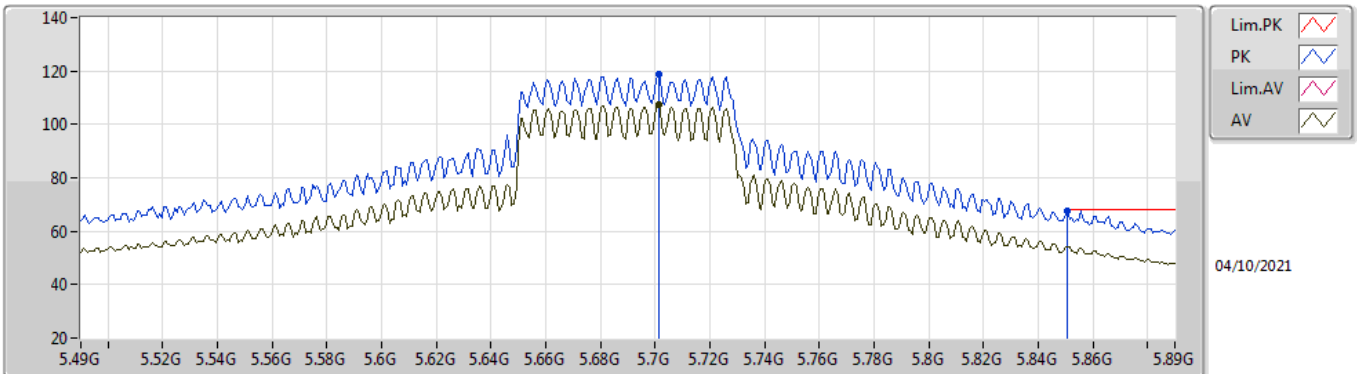


EUT_V_3TX
Setting 79
02-B-R-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1958G	51.66	74.00	-22.34	38.69	3	Horizontal	84	2.43	-	38.70	7.52	33.25
AV	11.2253G	39.39	54.00	-14.61	26.41	3	Horizontal	84	2.43	-	38.70	7.53	33.25

802.11ax HEW80_Nss1,(MCS0)_3TX

5690MHz Straddle 5.47-5.725GHz_TnomVnom

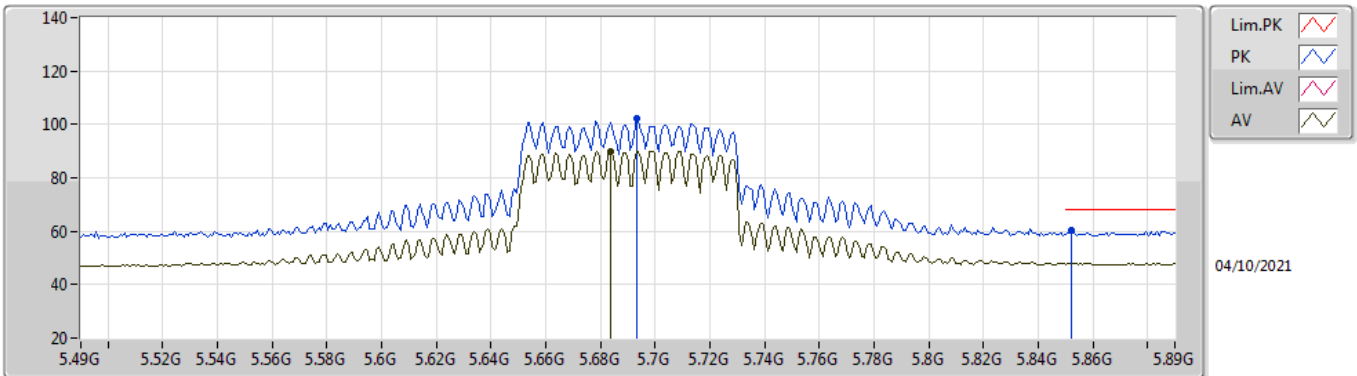


EUT Y_3TX
Setting 90
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7012G	118.80	Inf	-Inf	112.37	3	Vertical	179	2.04	-	33.90	5.45	32.92
AV	5.7012G	107.34	Inf	-Inf	100.91	3	Vertical	179	2.04	-	33.90	5.45	32.92
PK	5.8508G	67.76	68.20	-0.44	60.70	3	Vertical	179	2.04	-	34.50	5.50	32.94

802.11ax HEW80_Nss1,(MCS0)_3TX

5690MHz Straddle 5.47-5.725GHz_TnomVnom

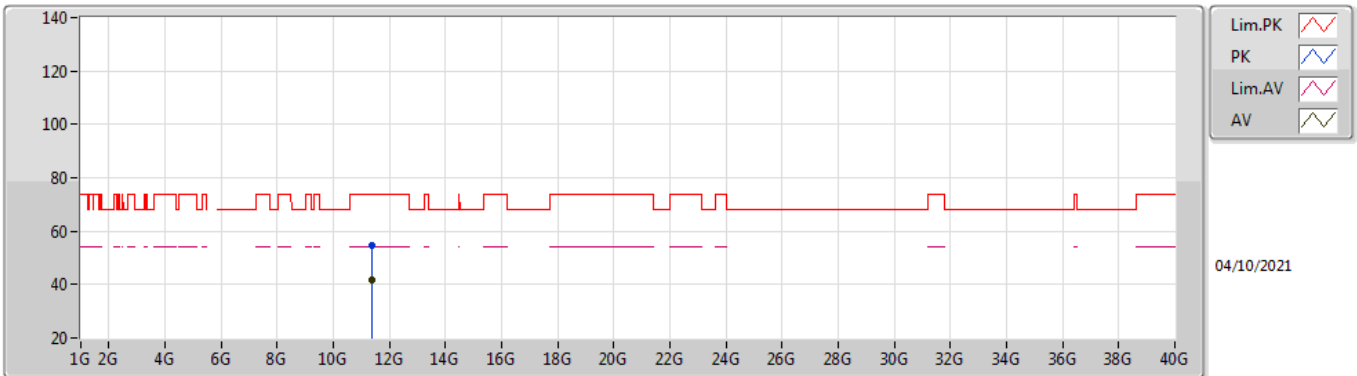


EUT V_3TX
Setting 90
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6932G	102.01	Inf	-Inf	95.58	3	Horizontal	144	1.94	-	33.90	5.45	32.92
AV	5.6836G	90.04	Inf	-Inf	83.62	3	Horizontal	144	1.94	-	33.90	5.44	32.92
PK	5.8524G	60.48	68.20	-7.72	53.41	3	Horizontal	144	1.94	-	34.51	5.50	32.94

802.11ax HEW80_Nss1,(MCS0)_3TX

5690MHz Straddle 5.47-5.725GHz_TnomVnom

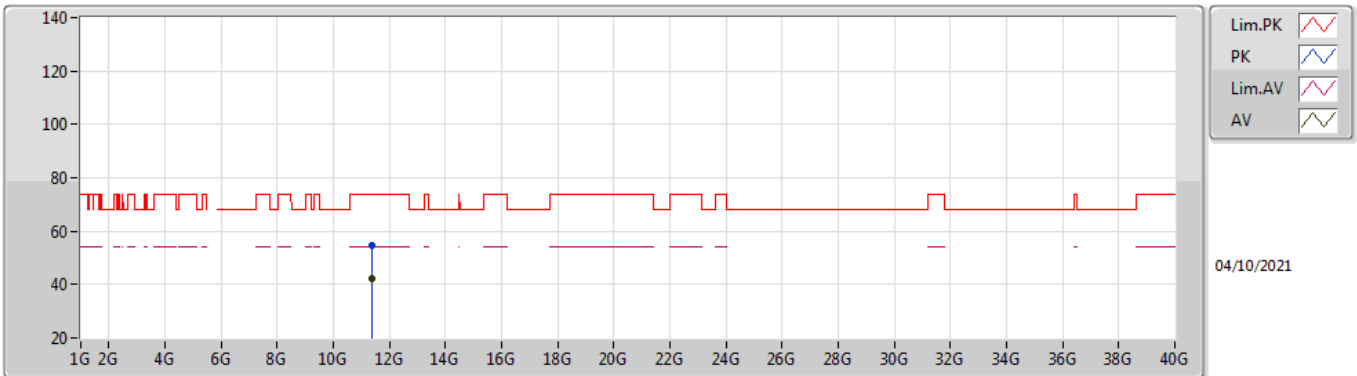


EUT V_3TX
Setting 90
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.37836G	54.52	74.00	-19.48	41.16	3	Vertical	15	1.80	-	38.38	7.78	32.80
AV	11.37766G	41.55	54.00	-12.45	28.19	3	Vertical	15	1.80	-	38.38	7.78	32.80

802.11ax HEW80_Nss1,(MCS0)_3TX

5690MHz Straddle 5.47-5.725GHz_TnomVnom



EUT V_3TX
Setting 90
01-A-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.38402G	54.66	74.00	-19.34	41.30	3	Horizontal	32	3.00	-	38.38	7.78	32.80
AV	11.37716G	42.05	54.00	-11.95	28.69	3	Horizontal	32	3.00	-	38.38	7.78	32.80