Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	TLZ-XM9098
Equipment	:	IEEE 802.112X2 WiFi 6 SU and MU-MIMO DBC Wireless LAN + Bluetooth 5.1 Combo Module
Brand Name	:	AzureWave
Model Name	:	AW-XM458, AW-XM369, AW-XM458MA-XXX, AW-XM369MA-XXX
Applicant	:	AzureWave Technologies, Inc. 8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
Manufacturer	:	AzureWave Technologies (Shanghai) Inc. No. 1355, Jiaxin Road, Malu Twon, Jiading District Shanghai, P.R. China
Standard	:	47 CFR FCC Part 15.407

The product was received on Feb. 13, 2023, and testing was started from Feb. 25, 2023 and completed on Apr. 13, 2023. 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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History of this test report

Report No.	Version	Description	Issued Date
FR132339-07AB	01	Initial issue of report	May 02, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Output Power	PASS	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
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		5510-5670	102-134 [5]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2
5.15-5.25GHz	802.11n HT20	20	2
5.15-5.25GHz	802.11n HT20-BF	20	2
5.15-5.25GHz	802.11ac VHT20	20	2
5.15-5.25GHz	802.11ac VHT20-BF	20	2
5.15-5.25GHz	802.11ax HEW20	20	2
5.15-5.25GHz	802.11ax HEW20-BF	20	2
5.15-5.25GHz	802.11n HT40	40	2
5.15-5.25GHz	802.11n HT40-BF	40	2
5.15-5.25GHz	802.11ac VHT40	40	2
5.15-5.25GHz	802.11ac VHT40-BF	40	2
5.15-5.25GHz	802.11ax HEW40	40	2
5.15-5.25GHz	802.11ax HEW40-BF	40	2
5.15-5.25GHz	802.11ac VHT 80	80	2
5.15-5.25GHz	802.11ac VHT 80-BF	80	2
5.15-5.25GHz	802.11ax HEW80	80	2

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ax HEW80-BF	80	2
5.25-5.35GHz	802.11a	20	2
5.25-5.35GHz	802.11n HT20	20	2
5.25-5.35GHz	802.11n HT20-BF	20	2
5.25-5.35GHz	802.11ac VHT20-BF	20	2
5.25-5.35GHz	802.11ac VHT20	20	2
5.25-5.35GHz	802.11ac VHT20-BF	20	2
5.25-5.35GHz	802.11ax HEW20	20	2
5.25-5.35GHz	802.11ax HEW20-BF	20	2
5.25-5.35GHz	802.11n HT40	40	2
5.25-5.35GHz	802.11n HT40-BF	40	2
5.25-5.35GHz	802.11ac VHT40	40	2
5.25-5.35GHz	802.11ac VHT40-BF	40	2
5.25-5.35GHz	802.11ax HEW40	40	2
5.25-5.35GHz	802.11ax HEW40-BF	40	2
5.25-5.35GHz	802.11ac VHT 80	80	2
5.25-5.35GHz	802.11ac VHT 80-BF	80	2
5.25-5.35GHz	802.11ax HEW80	80	2
5.25-5.35GHz	802.11ax HEW80-BF	80	2
5.47-5.725GHz	802.11a	20	2
5.47-5.725GHz	802.11n HT20	20	2
5.47-5.725GHz	802.11n HT20-BF	20	2
5.47-5.725GHz	802.11ac VHT20	20	2
5.47-5.725GHz	802.11ac VHT20-BF	20	2
5.47-5.725GHz	802.11ax HEW20	20	2
5.47-5.725GHz	802.11ax HEW20-BF	20	2
5.47-5.725GHz	802.11n HT40	40	2
5.47-5.725GHz	802.11n HT40-BF	40	2
5.47-5.725GHz	802.11ac VHT40	40	2
5.47-5.725GHz	802.11ac VHT40-BF	40	2
5.47-5.725GHz	802.11ax HEW40	40	2
5.47-5.725GHz	802.11ax HEW40-BF	40	2
5.47-5.725GHz	802.11ac VHT 80	80	2
5.47-5.725GHz	802.11ac VHT 80-BF	80	2
5.47-5.725GHz	802.11ax HEW80	80	2

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ax HEW80-BF	80	2
5.47-5.725GHz	802.11a	20	2
5.725-5.85GHz	802.11n HT20	20	2
5.725-5.85GHz	802.11n HT20-BF	20	2
5.725-5.85GHz	802.11ac VHT20	20	2
5.725-5.85GHz	802.11ac VHT20-BF	20	2
5.47-5.725GHz	802.11ax HEW20	20	2
5.725-5.85GHz	802.11ax HEW20-BF	20	2
5.725-5.85GHz	802.11n HT40	40	2
5.725-5.85GHz	802.11n HT40-BF	40	2
5.725-5.85GHz	802.11ac VHT40	40	2
5.47-5.725GHz	802.11ac VHT40-BF	40	2
5.725-5.85GHz	802.11ax HEW40	40	2
5.725-5.85GHz	802.11ax HEW40-BF	40	2
5.725-5.85GHz	802.11ac VHT 80	80	2
5.725-5.85GHz	802.11ac VHT 80-BF	80	2
5.725-5.85GHz	802.11ax HEW80	80	2
5.725-5.85GHz	802.11ax HEW80-BF	80	2

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

1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz	Bluetooth					
1	1	1	-	MAG. LAYERS	MSA-4008-25GC1-A2	PIFA	I-PEX	Note 1
2	2	2	-	MAG. LAYERS	MSA-4008-25GC1-A2	PIFA	I-PEX	
3	-	-	1	MAG. LAYERS	MSA-4008-25GC1-A2	PIFA	I-PEX	
4	1/2	1/2	1	Inpaq	WA-P-LB-02-587	PCB	I-PEX	
5	1/2	1/2	1	Inpaq	WA-P-LB-03-129	PCB	I-PEX	
6	-	-	-	Inpaq	WA-P-LB-03-130	PCB	I-PEX	
7	-	-	-	Inpaq	WA-F-LB-03-110	PCB	I-PEX	
8	-	-	-	Inpaq	WA-F-LB-02-187	PCB	I-PEX	
9	-	-	-	Inpaq	WA-F-LA-01-015	PCB	I-PEX	
10	-	-	-	TE Connectivity	2195501-2	PCB	I-PEX	
11	-	-	-	TE Connectivity	2195505-2	PCB	I-PEX	
12	-	-	-	LUXSHARE-ICT	SA37A47021	Dipole	I-PEX	Note 2
13	-	-	-	LUXSHARE-ICT	SA37A47021	Dipole	I-PEX	
14	-	-	-	LUXSHARE-ICT	SA37A47025	PIFA	I-PEX	Note 1

Note1:

Ant.	Port			Antenna Gain (dBi)		
	2.4GHz	5GHz	Bluetooth	WLAN 2.4GHz	WLAN 5GHz	Bluetooth
1	1	1	-	2.98	5.16	-
2	2	2	-	2.98	5.16	-
3	-	-	1	-	-	2.98
4	1/2	1/2	1	4.43	7.52	4.43
5	1/2	1/2	1	6.51	3.2	6.51
6	-	-	-	4.91	5.84	4.91
7	-	-	-	-0.27	2.74	-0.27
8	-	-	-	0.07	2.39	0.07
9	-	-	-	5.66	-	5.66
10	-	-	-	0.47	1.88	0.47
11	-	-	-	0.77	0.96	0.77
14	-	-	-	-	-	-1.1

Note2:

Ant.	Port		Cable Length	Antenna Gain (dBi)		Cable Loss (dB)		True Gain (dBi)	
	2.4GHz	5GHz		WLAN 2.4GHz	WLAN 5GHz	WLAN 2.4GHz	WLAN 5GHz	WLAN 2.4GHz	WLAN 5GHz
12	-	-	450mm	2.8	2.6	1.1	1.9	1.7	0.7
13	-	-	470mm	2.8	2.6	1.2	2	1.6	0.6

Note3: The above information was declared by manufacturer.

Note4: There are 14 antennas listed on the antenna table. The EUT has three types of antenna.

Note5: Directional gain information.

For ant. 1~ant. 2

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 ≤ 4	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$
BF	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$

Ex.

Directional Gain (NSS1) formula : $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$

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

gj,k =(Nss1(g1,1) + Nss1(g1,2))^2

DG = 10 log[(Nss1(g1,1) + Nss1(g1,2)))^2 / N_{ANT}] => 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2 / N_{ANT}]

Where ;

2.4G G1 = 2.98 ; G2 = 2.98 ; DG=5.99

5G G1 = 5.16; G2 = 5.16 ; DG=8.17

For ant. 4~ant. 5

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 ≤ 4	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$
BF	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

Ex.

Directional Gain (NSS1) formula : $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

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

gj,k =(Nss1(g1,1) + Nss1(g1,2))²

DG = 10 log[(Nss1(g1,1) + Nss1(g1,2)))² / N_{ANT}] => 10 log[($10^{G1/20}$ + $10^{G2/20}$)² / N_{ANT}]

Where ;

For ant. 5

2.4G G1 = 6.51 ; G2 = 6.51 ; DG=9.52

For ant. 4

5G G1 = 7.52 ; G2 = 7.52 ; DG=10.53

<WLAN 2.4GHz Function>

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

<WLAN 5GHz Function>

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.

<Bluetooth Function> (1TX/1RX)

Only Port 1 can be used as transmitting/receiving.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.834	0.79	1.433m	1k
802.11ax HEW20	0.935	0.29	3.902m	300
802.11ax HEW40	0.871	0.6	1.981m	1k
802.11ax HEW80	0.783	1.06	977.812u	3k

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

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/ac/ax in 5GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☐	Indoor P2M
	☐	Fixed P2P	☒	Client
	☒	Point-to-multipoint	☐	Point-to-point
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	DutApiMimoApApp (Version : 2.0.0.80)			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

EUT	Model No.	GPIO	Antenna	Description
1	AW-XM458, AW-XM369	Without GPIO	PIFA, PCB, Dipole	All the model names are identical, the difference model names served as marketing strategy.
2	AW-XM458MA-XXX, AW-XM369MA-XXX	With GPIO		1. All the model names are identical, the difference model names served as marketing strategy. 2. The difference between this two EUTs are RF connector trace and RF connector type.
3				

Note 1: From the above models, model: AW-XM458MA-XXX (EUT 2) 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 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR132339-01AB.

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

Modifications	Performance Checking
1. Adding antenna type for WLAN 2.4GHz/5GHz: Dipole antenna (Set 12~13).	1. AC Power-line Conducted Emissions 2. Emission Bandwidth 3. Maximum Output Power 4. Power Spectral Density 5. Unwanted Emissions (Based on original output power to test excepting 802.11ax HEW40 CH62 (5310MHz), CH134 (5670MHz), 11ax HEW80 CH106 (5530MHz)). (For above item 2~4: After evaluating, only non-beamforming 802.11ax HEW40 CH62 (5310MHz), CH134 (5670MHz), 802.11ax HEW80 CH106 (5530MHz) and beamforming 802.11ax HEW40 CH62 (5310MHz), 802.11ax HEW80 CH106 (5530MHz), need to be retested.)
2. Adding 1 set of PIFA antenna (Set 14) for bluetooth. The antenna type is the same as the original and the gain is lower than the original report. 3. Adding 2 same PCB type antenna (Ant. 10~11) with lower gain than the original report for all EUT. 4. Adding PCB type antenna for EUT 2. 5. Adding PIFA type antenna for EUT 3.	Do not have to retest assessed.

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
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Jay Lo	23.1~24.9 / 66~72	Mar. 22, 2023
Radiated below 1GHz	03CH04-CB	Chris Li	22~23 / 55~58	Feb. 25, 2023~Apr. 07, 2023
Radiated above 1GHz	03CH02-CB		20~21 / 55~58	Feb. 25, 2023~Apr. 07, 2023
AC Conduction	CO01-CB	Bob Chang	23~24 / 52~53	Apr. 13, 2023

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

<Non-beamforming mode>

Mode	Power Setting
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5310MHz	14.5
5670MHz	16.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5530MHz	11.5

<beamforming mode>

Mode	Power Setting
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5310MHz	14.5
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5530MHz	11.5

Note:
- The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been selected to execute all tests. 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	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	EUT 2 + WLAN 2.4GHz (Ant. 12)
2	EUT 2 + WLAN 5GHz (Ant. 12)
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Output Power Power Spectral Density
Test Condition	Conducted measurement at transmit chains
1	For non-beamforming: EUT 2 (Test 802.11ax HEW40 CH62 (5310MHz), CH134 (5670MHz), 11ax HEW80 CH106 (5530MHz) only) For beamforming: EUT 2 (Test 802.11ax HEW40 CH62 (5310MHz), 11ax HEW80 CH106 (5530MHz) only)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	EUT 2 in X axis + WLAN 2.4GHz (Ant. 12)
2	EUT 2 in Y axis + WLAN 2.4GHz (Ant. 12)
3	EUT 2 in Z axis + WLAN 2.4GHz (Ant. 12)
4	EUT 2 in X axis + WLAN 5GHz (Ant. 12)
5	EUT 2 in Y axis + WLAN 5GHz (Ant. 12)
6	EUT 2 in Z axis + WLAN 5GHz (Ant. 12)
For operating mode 5 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT 2 in Y axis + Ant. 12

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	Normal Link
1	WLAN 2.4GHz + WLAN 5GHz + Bluetooth
Refer to Sporton Test Report No.: FA132339-07 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E6430	N/A
B	Fixture 3	Azurewave	2460 I2	N/A
C	Earphone	SHYARO CHI	MIC-04	N/A
D	Mouse	HP	FM100	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Fixture 1	Azurewave	2458 I2	N/A

For Radiated (above 1GHz):

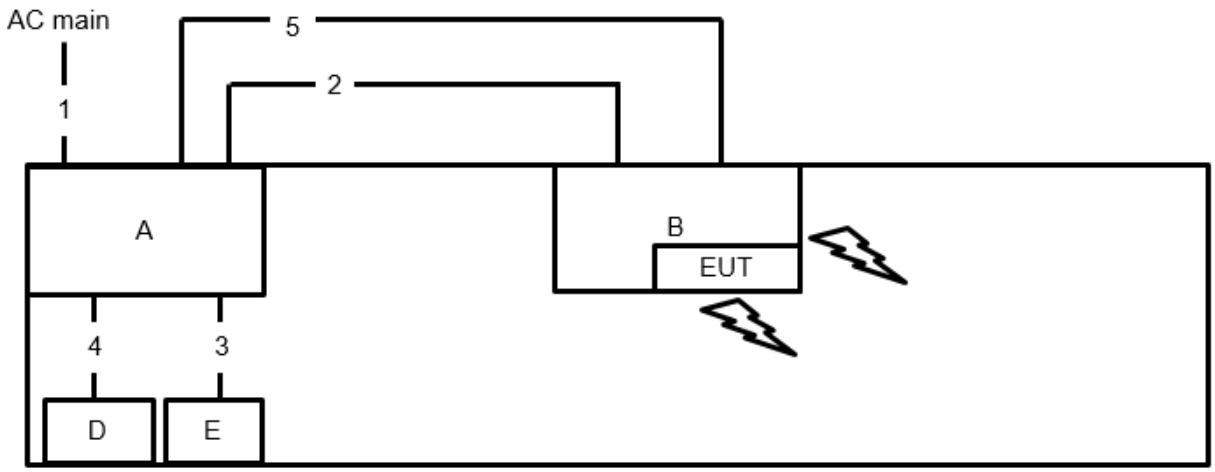
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Fixture 2	Azurewave	AW-CB162NF I3	N/A
C	Fixture 3	Azurewave	2460 I2	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	Fixture 2	Azurewave	AW-CB162NF I3	N/A
D	Fixture 3	Azurewave	2460 I2	N/A

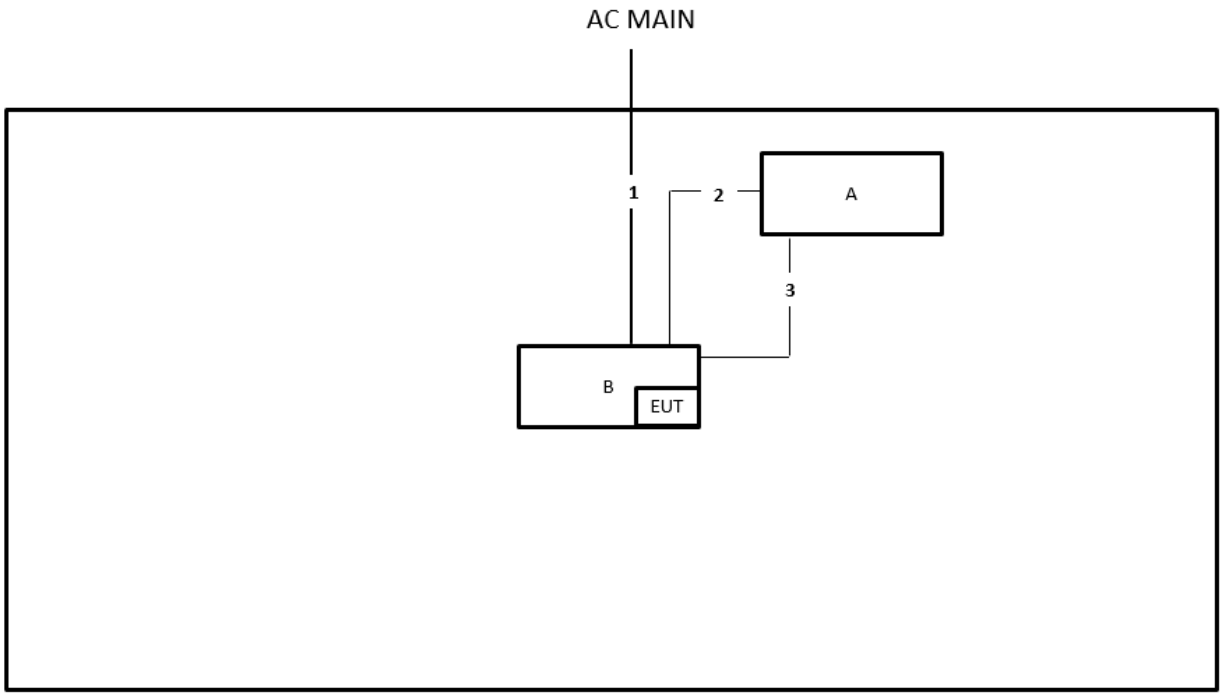
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



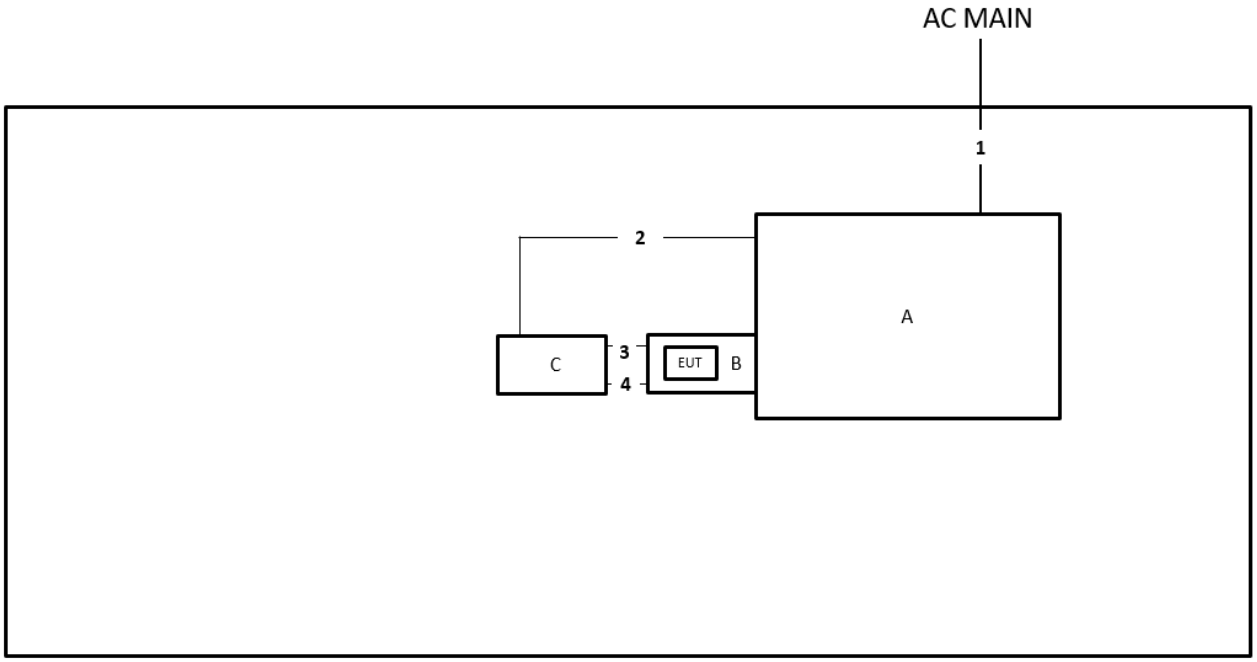
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	USB cable	Yes	1.8m
3	USB cable	Yes	1.8m
4	Audio cable	No	1.5m
5	USB cable	Yes	0.5m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	USB to Type C cable	No	0.3m
3	RJ-45 cable	No	0.3m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	USB cable	Yes	1.5m
3	Console cable	No	0.15m
4	Console cable	No	0.15m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

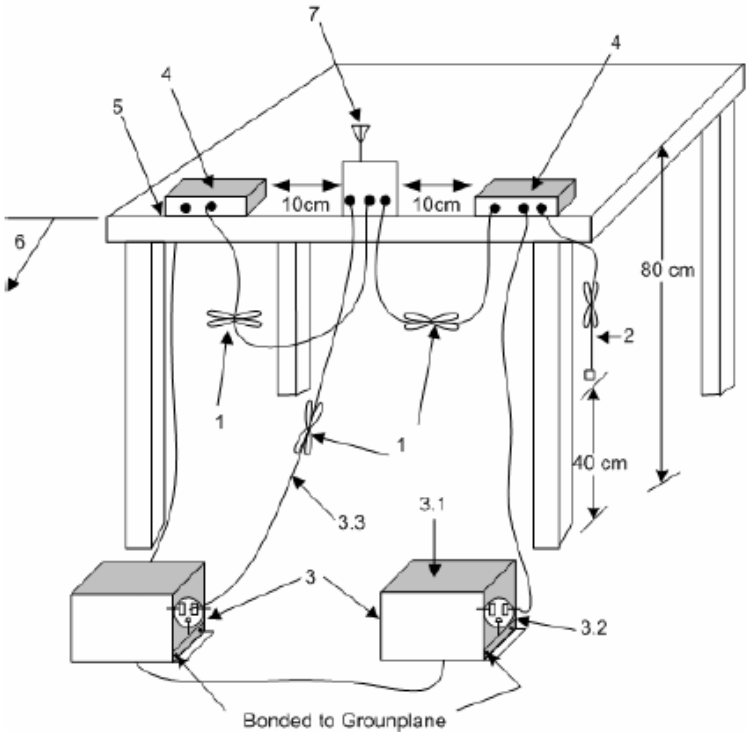
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 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, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
☐	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 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 ≥ 500kHz.

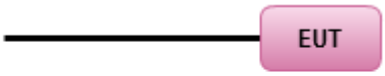
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method		
▪	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as FCC KDB 789033 D02, 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.

3.2.4 Test Setup

Emission Bandwidth
 Spectrum Analyzer 

3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Output Power

3.3.1 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.	

3.3.2 Measuring Instruments

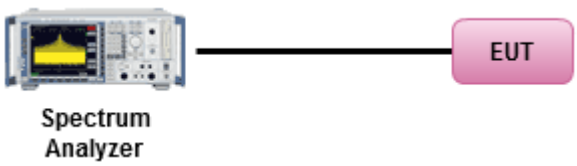
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
	Average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033 D02, 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 D02, 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
☐	For radiated measurement.
	▪ Refer as FCC KDB 789033 D02 clause II A.1.F ”Antenna-port Conducted versus Radiated Testing”
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup

Conducted Measurement (Spectrum Analyzer)



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 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° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	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 he 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.

3.4.2 Measuring Instruments

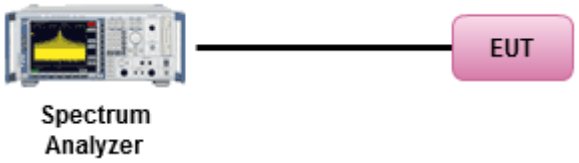
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power 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 D02, 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 D02, clause E Method SA-1 (spectral trace averaging).
	☐	Refer as FCC KDB 789033 D02, 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 D02, clause E Method SA-2 (spectral trace averaging).
	☐	Refer as FCC KDB 789033 D02, 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: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$
☐	For radiated measurement.	
	▪	Refer as FCC KDB 789033 D02 clause II A.1.F ”Antenna-port Conducted versus Radiated Testing”
	▪	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.

Test Method	
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.4.4 Test Setup

Conducted Measurement


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 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).	

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

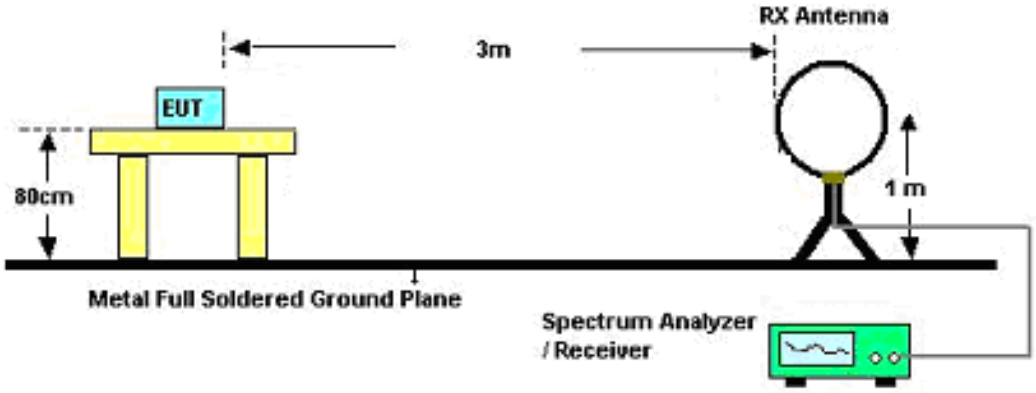
Test Method			
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.		
	▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.		
		☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).	
		☒ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).	
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.	
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.	
		☒ Refer as FCC KDB 789033 D02, 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.			

Test Method
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

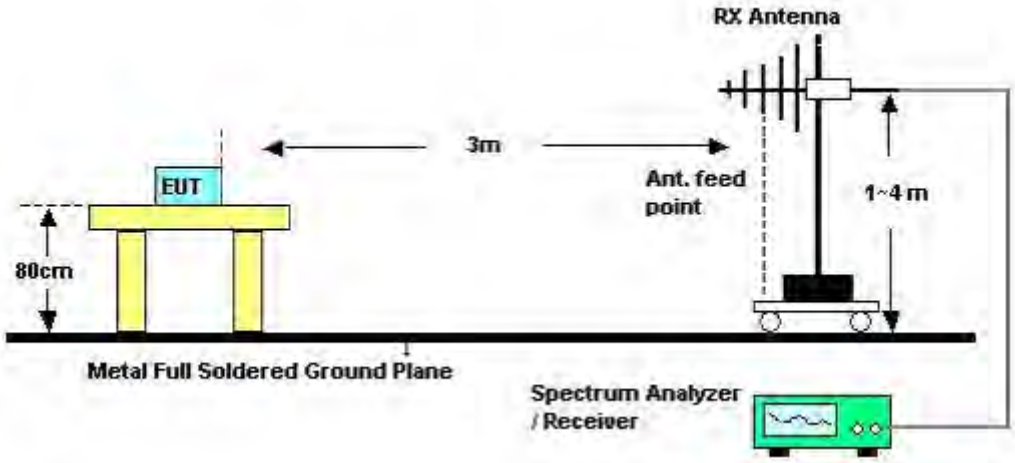
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

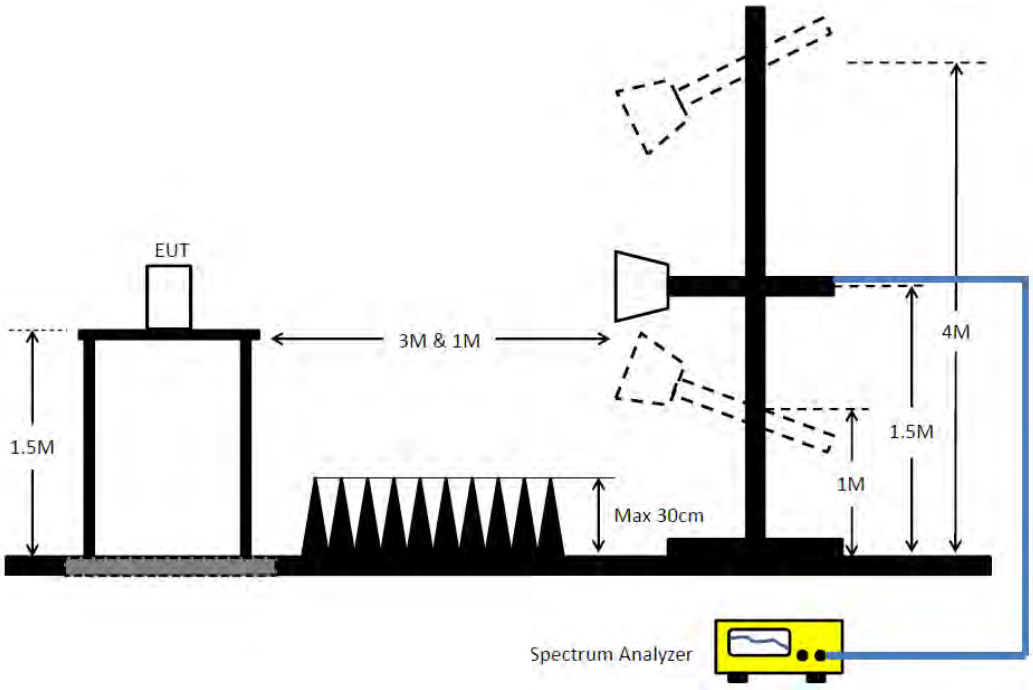
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 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.

3.5.6 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.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Aug. 02, 2022	Aug. 01, 2023	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 08, 2022	Oct. 07, 2023	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 19, 2022	May 18, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz – 1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Dec. 05, 2022	Dec. 04, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2022	May 26, 2023	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

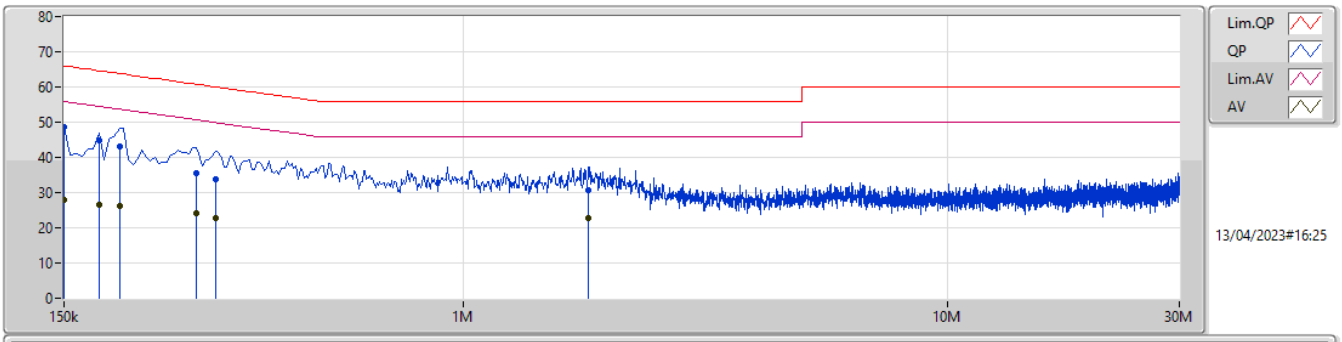
Note: Calibration Interval of instruments listed above is one year.

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

Summary

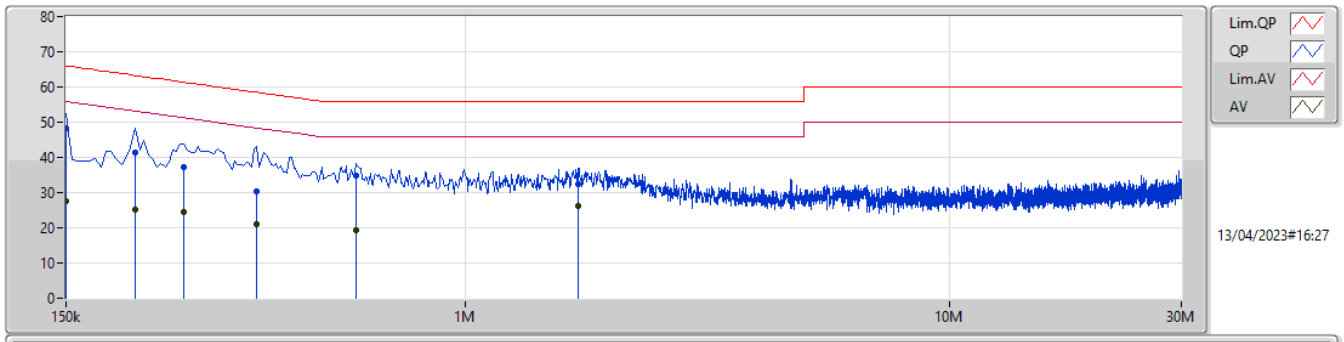
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	150k	48.45	66.00	-17.55	Line

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	48.45	66.00	-17.55	9.97	Line	"Worst"	38.48	0.06	0.04	9.87
AV	150k	27.77	56.00	-28.23	9.97	Line	-	17.80	0.06	0.04	9.87
QP	177k	44.82	64.62	-19.80	9.97	Line	-	34.85	0.06	0.04	9.87
AV	177k	26.50	54.62	-28.12	9.97	Line	-	16.53	0.06	0.04	9.87
QP	195k	42.99	63.82	-20.83	9.96	Line	-	33.03	0.06	0.04	9.86
AV	195k	26.32	53.82	-27.50	9.96	Line	-	16.36	0.06	0.04	9.86
QP	280.5k	35.52	60.80	-25.28	9.99	Line	-	25.53	0.06	0.05	9.88
AV	280.5k	24.24	50.80	-26.56	9.99	Line	-	14.25	0.06	0.05	9.88
QP	307.5k	33.73	60.03	-26.30	9.99	Line	-	23.74	0.06	0.05	9.88
AV	307.5k	22.77	50.03	-27.26	9.99	Line	-	12.78	0.06	0.05	9.88
QP	1.811M	30.56	56.00	-25.44	10.07	Line	-	20.49	0.09	0.08	9.90
AV	1.811M	22.79	46.00	-23.21	10.07	Line	-	12.72	0.09	0.08	9.90

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	48.35	66.00	-17.65	9.98	Neutral	"Worst"	38.37	0.07	0.04	9.87
AV	150k	27.75	56.00	-28.25	9.98	Neutral	-	17.77	0.07	0.04	9.87
QP	208.5k	41.43	63.27	-21.84	9.97	Neutral	-	31.46	0.07	0.04	9.86
AV	208.5k	25.30	53.27	-27.97	9.97	Neutral	-	15.33	0.07	0.04	9.86
QP	262.5k	37.36	61.35	-23.99	10.00	Neutral	-	27.36	0.07	0.05	9.88
AV	262.5k	24.38	51.35	-26.97	10.00	Neutral	-	14.38	0.07	0.05	9.88
QP	370.5k	30.49	58.49	-28.00	10.03	Neutral	-	20.46	0.07	0.06	9.90
AV	370.5k	21.11	48.49	-27.38	10.03	Neutral	-	11.08	0.07	0.06	9.90
QP	595.5k	34.79	56.00	-21.21	10.02	Neutral	-	24.77	0.07	0.05	9.90
AV	595.5k	19.35	46.00	-26.65	10.02	Neutral	-	9.33	0.07	0.05	9.90
QP	1.712M	32.56	56.00	-23.44	10.08	Neutral	-	22.48	0.10	0.08	9.90
AV	1.712M	26.27	46.00	-19.73	10.08	Neutral	-	16.19	0.10	0.08	9.90

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	40.74M	37.558M	37M6D1D	40.14M	37.534M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	61.56M	37.735M	37M7D1D	40.68M	37.532M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.88M	77.56M	77M6D1D	80.76M	77.548M

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

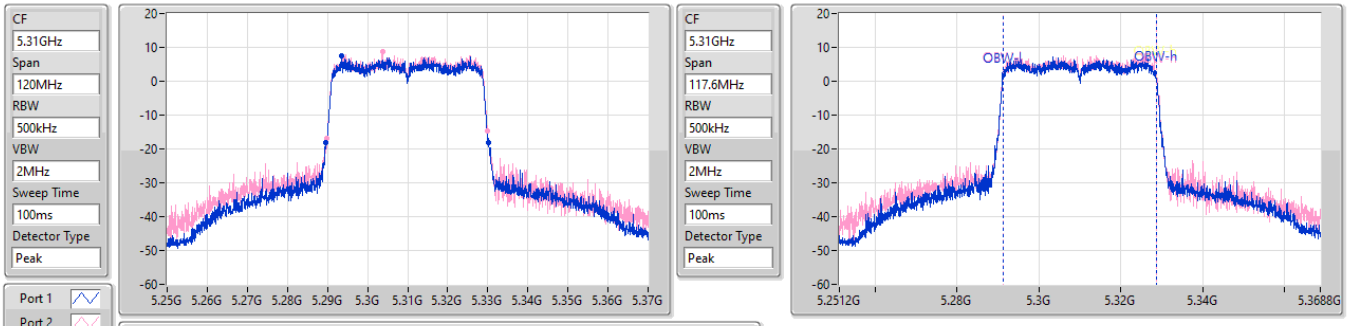
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5310MHz	Pass	Inf	40.74M	37.534M	40.14M	37.558M
5670MHz	Pass	Inf	61.56M	37.735M	40.68M	37.532M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	Inf	80.76M	77.56M	80.88M	77.548M

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

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5310MHz

22/03/2023

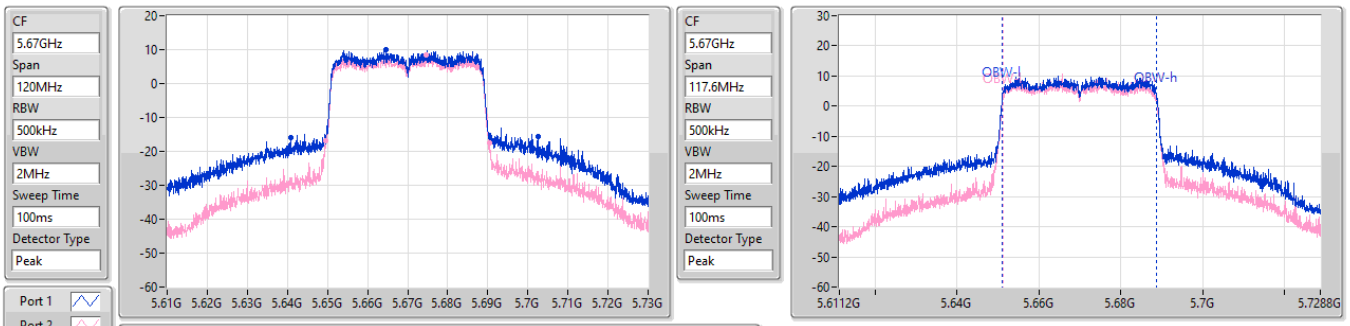


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	5.28954G	5.33028G	37.534M	5.291168G	5.328702G	Inf	1
40.14M	5.2899G	5.33004G	37.558M	5.291188G	5.328745G	Inf	2

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX EBW

5670MHz

22/03/2023

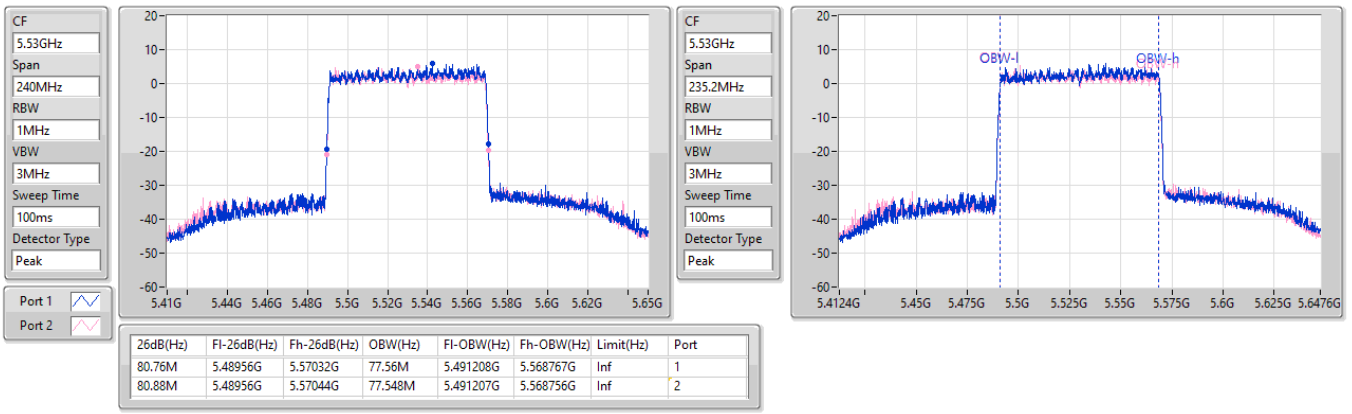


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
61.56M	5.6409G	5.70246G	37.735M	5.651096G	5.688832G	Inf	1
40.68M	5.64966G	5.69034G	37.532M	5.651203G	5.688735G	Inf	2

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

5530MHz

22/03/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.76M	5.48956G	5.57032G	77.56M	5.491208G	5.568767G	Inf	1
80.88M	5.48956G	5.57044G	77.548M	5.491207G	5.568756G	Inf	2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	17.31	0.05383
5.47-5.725GHz	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	19.28	0.08472
802.11ax HEW80_Nss1,(MCS0)_2TX	14.89	0.03083

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5310MHz	Pass	7.52	13.98	14.59	17.31	22.46
5670MHz	Pass	7.52	16.85	15.60	19.28	22.46
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	7.52	12.23	11.50	14.89	22.46

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

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	17.31	0.05383
5.47-5.725GHz	-	-
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	14.89	0.03083

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5310MHz	Pass	10.53	13.98	14.59	17.31	19.45
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	10.53	12.23	11.50	14.89	19.45

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

Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11ax HEW40_Nss1,(MCS0)_2TX	1.16
5.47-5.725GHz	-
802.11ax HEW40_Nss1,(MCS0)_2TX	3.15
802.11ax HEW80_Nss1,(MCS0)_2TX	-4.19

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

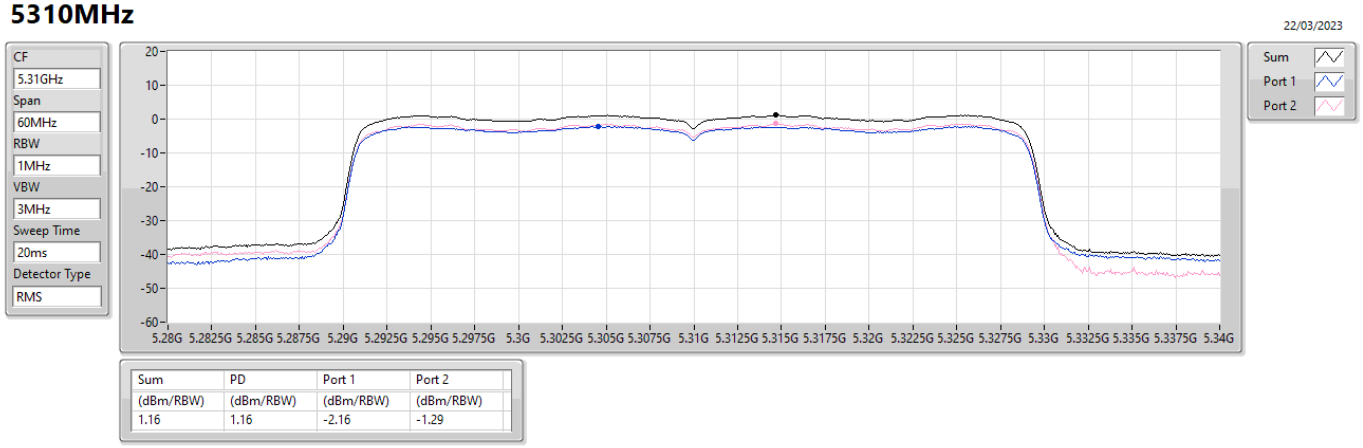
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5310MHz	Pass	10.53	-2.16	-1.29	1.16	6.47
5670MHz	Pass	10.53	0.85	-0.44	3.15	6.47
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	10.53	-6.41	-7.50	-4.19	6.47

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;

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

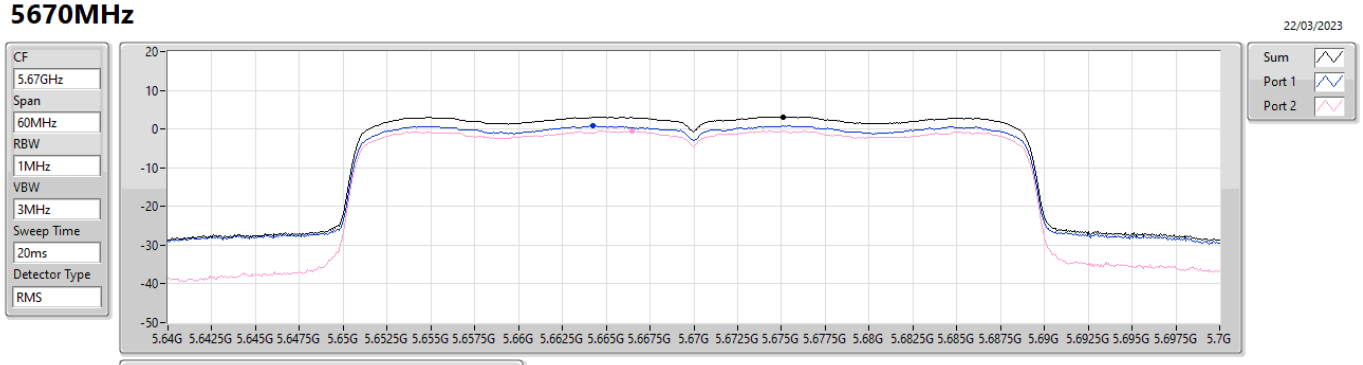
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.16	1.16	-2.16	-1.29

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **PSD**

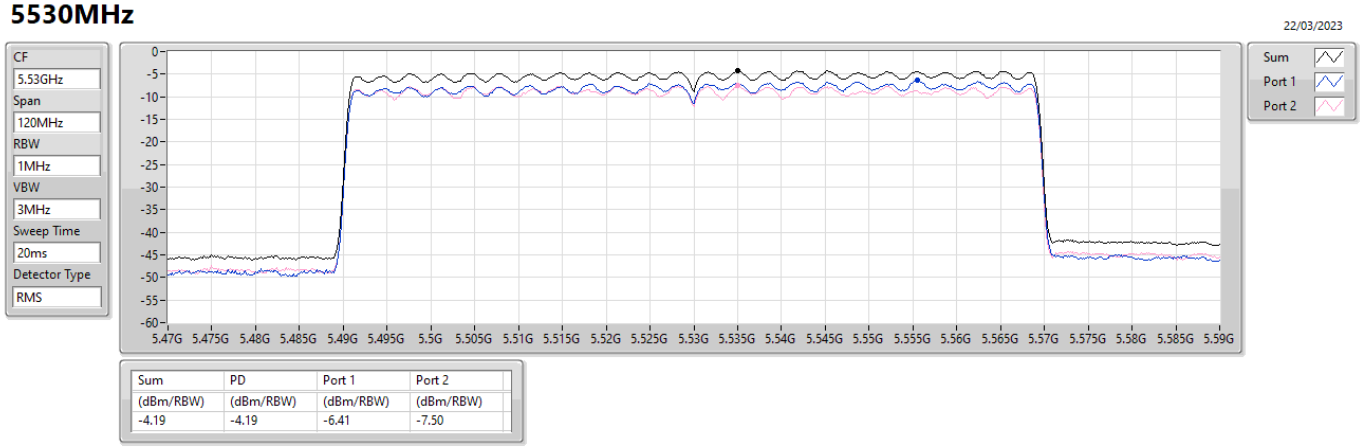
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.15	3.15	0.85	-0.44

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **PSD**

5530MHz

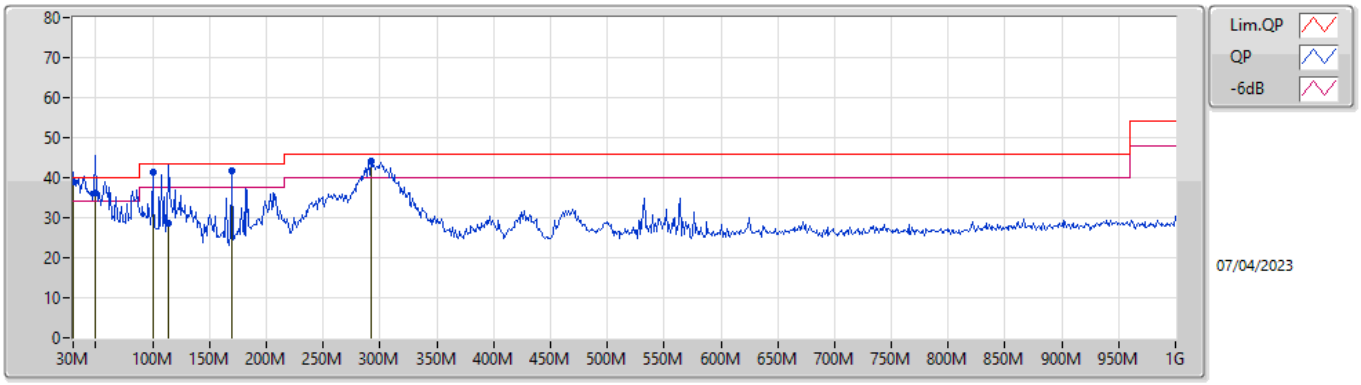


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.19	-4.19	-6.41	-7.50

Summary

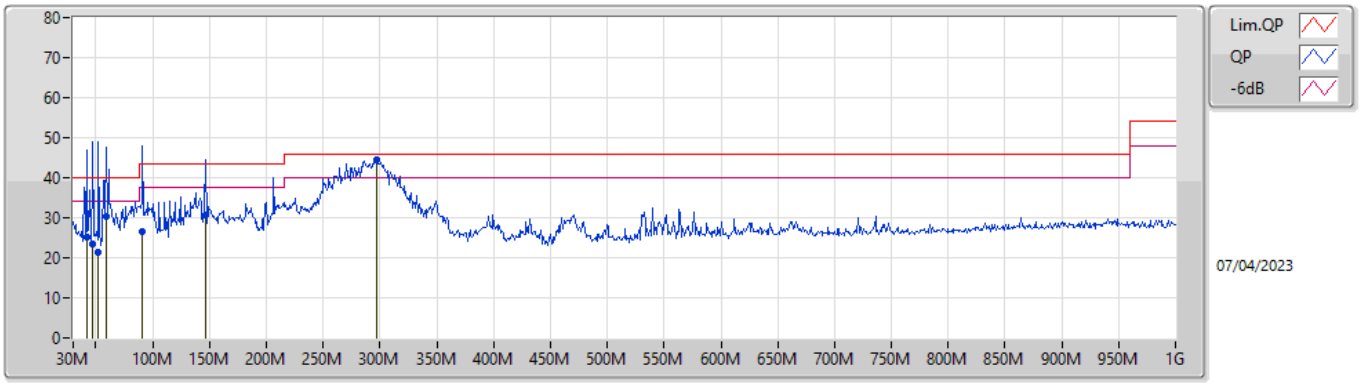
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 5	Pass	QP	30M	38.95	40.00	-1.05	Vertical

Mode 5



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	30M	38.95	40.00	-1.05	-6.30	3	Vertical	57	1.00	"Worst"	45.25	24.34	0.63	31.27
QP	49.4M	36.10	40.00	-3.90	-16.10	3	Vertical	77	1.50	-	52.20	14.70	0.78	31.58
PK	99.84M	41.45	43.50	-2.05	-13.92	3	Vertical	129	1.50	-	55.37	16.69	1.09	31.70
QP	113.42M	28.59	43.50	-14.91	-12.53	3	Vertical	267	1.00	-	41.12	18.02	1.16	31.71
PK	169.68M	41.74	43.50	-1.76	-14.43	3	Vertical	76	1.50	-	56.17	15.87	1.42	31.72
PK	291.9M	44.21	46.00	-1.79	-11.05	3	Vertical	168	1.50	-	55.26	18.93	1.87	31.85

Mode 5



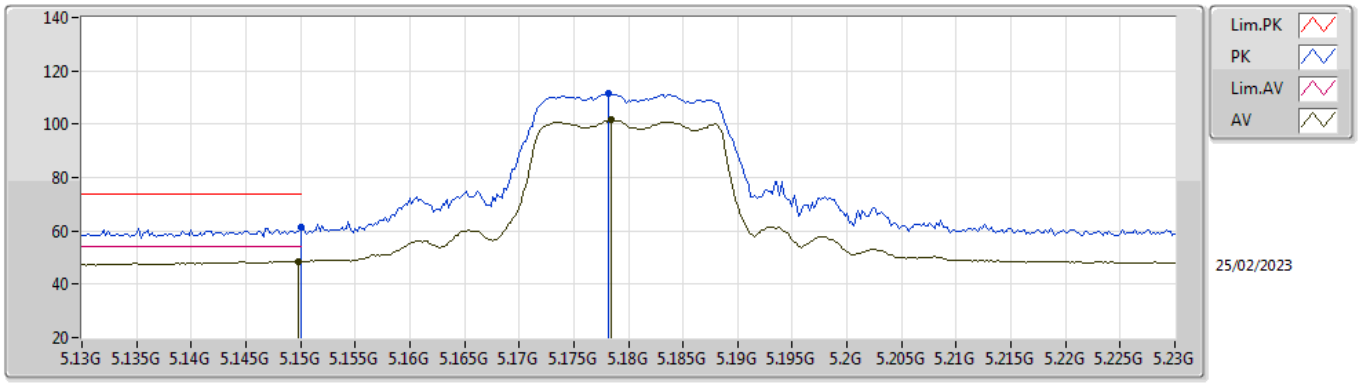
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	41.64M	25.30	40.00	-14.70	-12.82	3	Horizontal	342	3.00	-	38.12	17.96	0.72	31.50
QP	47.46M	23.49	40.00	-16.51	-15.43	3	Horizontal	342	3.00	-	38.92	15.37	0.76	31.56
QP	52.31M	21.33	40.00	-18.67	-17.03	3	Horizontal	84	3.00	-	38.36	13.76	0.80	31.59
QP	59.1M	30.28	40.00	-9.72	-17.82	3	Horizontal	342	3.00	-	48.10	12.95	0.86	31.63
QP	91.11M	26.41	43.50	-17.09	-15.82	3	Horizontal	349	1.50	-	42.23	14.82	1.05	31.69
QP	146.4M	30.81	43.50	-12.69	-13.70	3	Horizontal	82	1.25	-	44.51	16.72	1.32	31.74
PK	296.75M	44.32	46.00	-1.68	-10.94	3	Horizontal	62	1.25	"Worst"	55.26	19.03	1.89	31.86

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 HEW40_Nss1,(MCS0)_2TX	Pass	PK	5.7252G	68.02	68.20	-0.18	3	Vertical	9	1.77	-

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

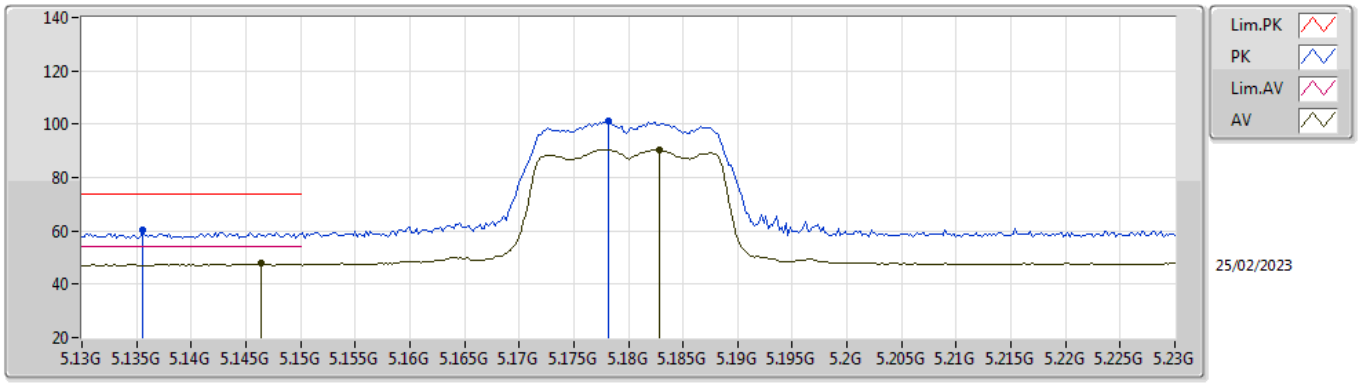


EUT Y_2TX
Setting 15
02-E-W-4-10

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	5.15G	61.20	74.00	-12.80	52.55	3	Vertical	329	1.97	-	33.60	5.78	30.73
AV	5.1498G	48.58	54.00	-5.42	39.94	3	Vertical	329	1.97	-	33.60	5.77	30.73
PK	5.1782G	111.58	Inf	-Inf	102.86	3	Vertical	329	1.97	-	33.66	5.79	30.73
AV	5.1784G	101.56	Inf	-Inf	92.84	3	Vertical	329	1.97	-	33.66	5.79	30.73

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

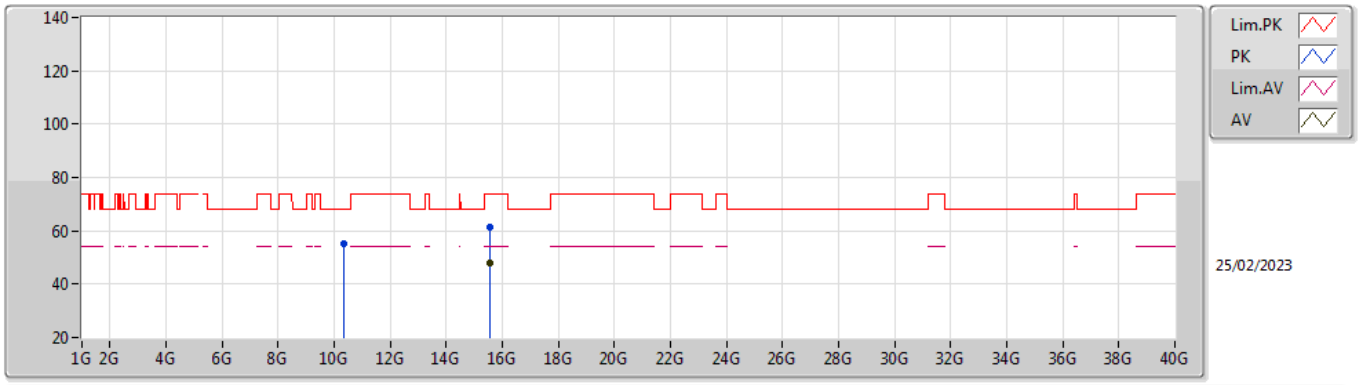


EUT Y_2TX
Setting 15
02-E-W-4-10

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	5.1356G	60.24	74.00	-13.76	51.63	3	Horizontal	8	1.98	-	33.57	5.77	30.73
AV	5.1464G	47.74	54.00	-6.26	39.11	3	Horizontal	8	1.98	-	33.59	5.77	30.73
PK	5.1782G	101.07	Inf	-Inf	92.35	3	Horizontal	8	1.98	-	33.66	5.79	30.73
AV	5.1828G	90.51	Inf	-Inf	81.78	3	Horizontal	8	1.98	-	33.67	5.79	30.73

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

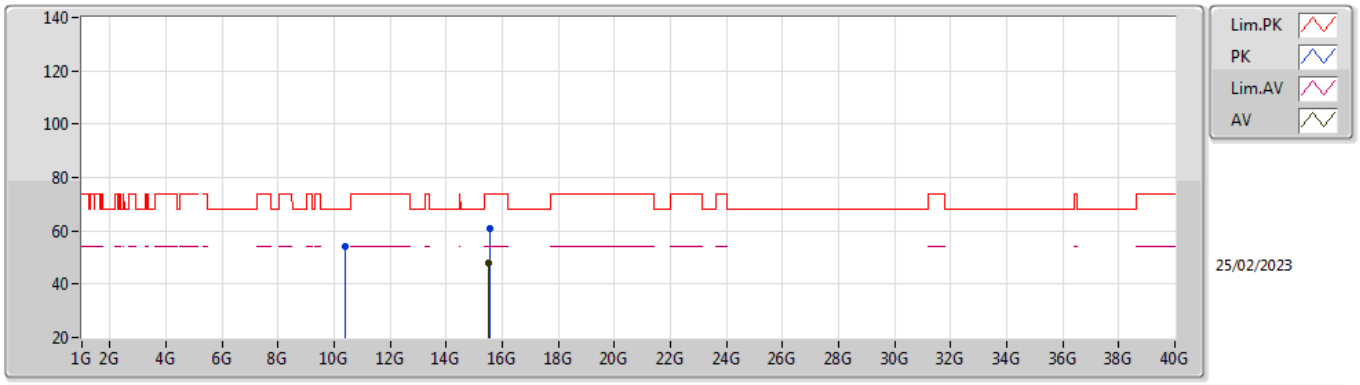


EUT Y_2TX
Setting 15
02-E-W-4

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	10.36264G	55.11	68.20	-13.09	39.87	3	Vertical	-0	1.80	-	38.64	8.43	31.83
PK	15.549G	61.51	74.00	-12.49	44.74	3	Vertical	264	3.00	-	37.81	10.32	31.36
AV	15.54342G	47.91	54.00	-6.09	31.10	3	Vertical	264	3.00	-	37.84	10.32	31.35

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

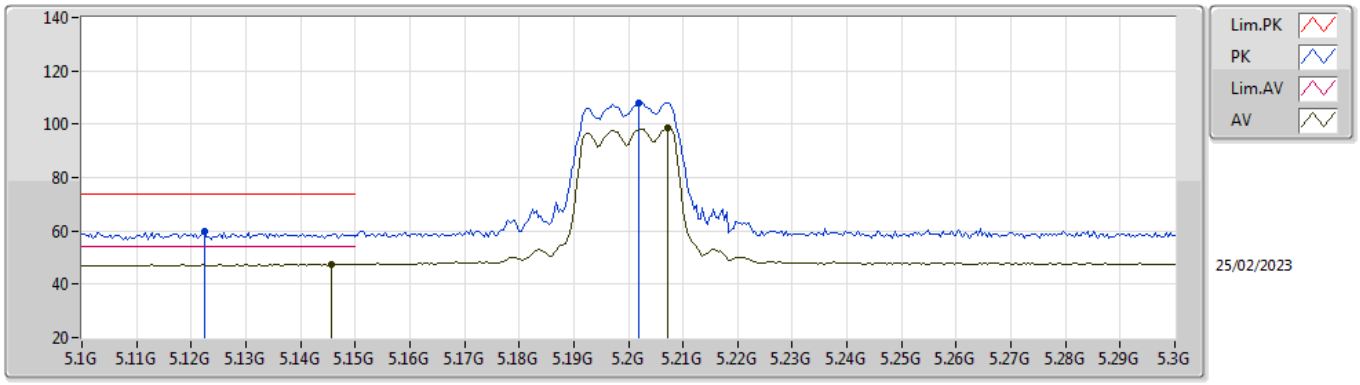


EUT Y_2TX
Setting 15
02-E-W-4

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	10.36948G	54.39	68.20	-13.81	39.16	3	Horizontal	343	1.52	-	38.63	8.43	31.83
PK	15.54852G	61.04	74.00	-12.96	44.27	3	Horizontal	143	1.64	-	37.81	10.32	31.36
AV	15.52836G	47.90	54.00	-6.10	31.00	3	Horizontal	143	1.64	-	37.93	10.31	31.34

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

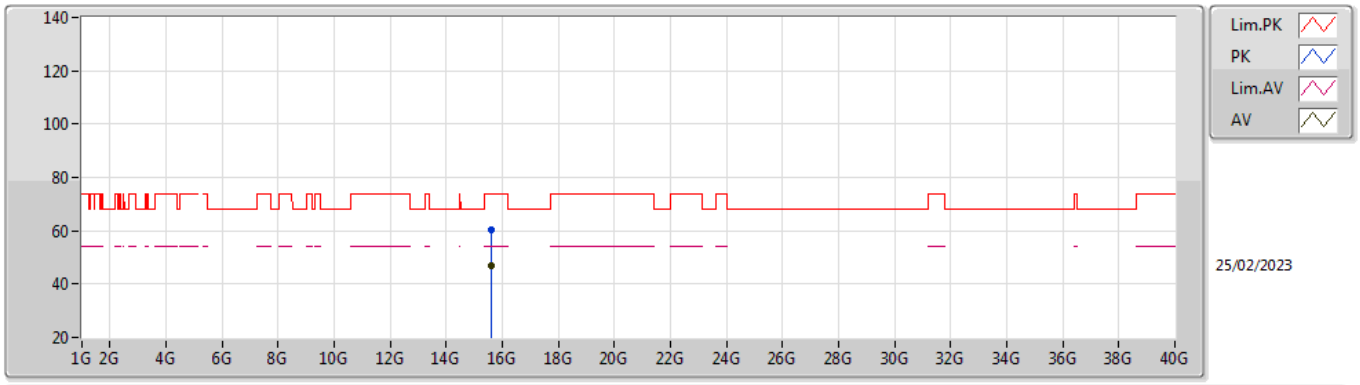


EUT Y_2TX
Setting 14.5
02-E-S-5-10

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	5.1224G	59.79	74.00	-14.21	51.22	3	Vertical	51	1.60	-	33.54	5.76	30.73
AV	5.1456G	47.62	54.00	-6.38	38.99	3	Vertical	51	1.60	-	33.59	5.77	30.73
PK	5.202G	108.18	Inf	-Inf	99.41	3	Vertical	51	1.60	-	33.70	5.80	30.73
AV	5.2072G	98.55	Inf	-Inf	89.78	3	Vertical	51	1.60	-	33.70	5.80	30.73

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

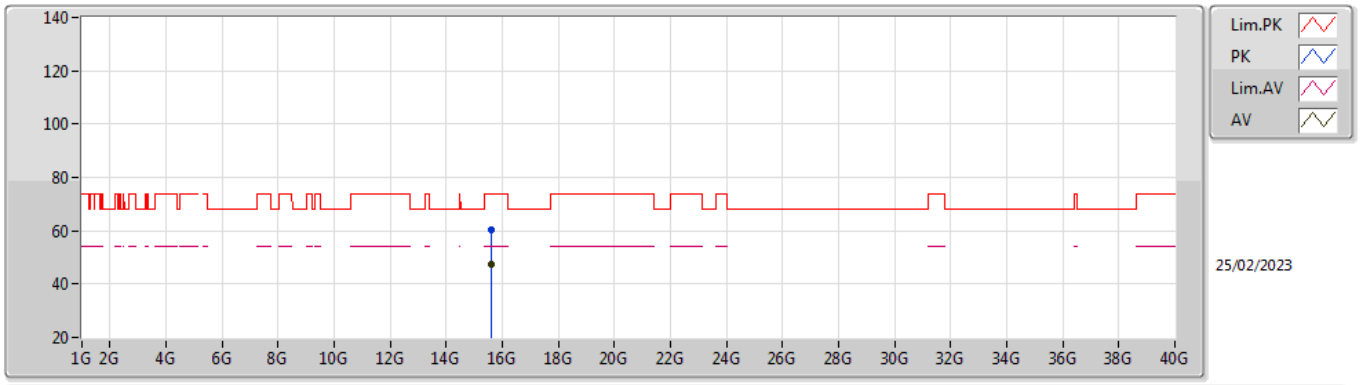


EUT Y_2TX
Setting 14.5
02-E-S-5

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	15.60326G	60.21	74.00	-13.79	43.75	3	Vertical	38	1.51	-	37.50	10.34	31.38
AV	15.60212G	47.10	54.00	-6.90	30.64	3	Vertical	38	1.51	-	37.50	10.34	31.38

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

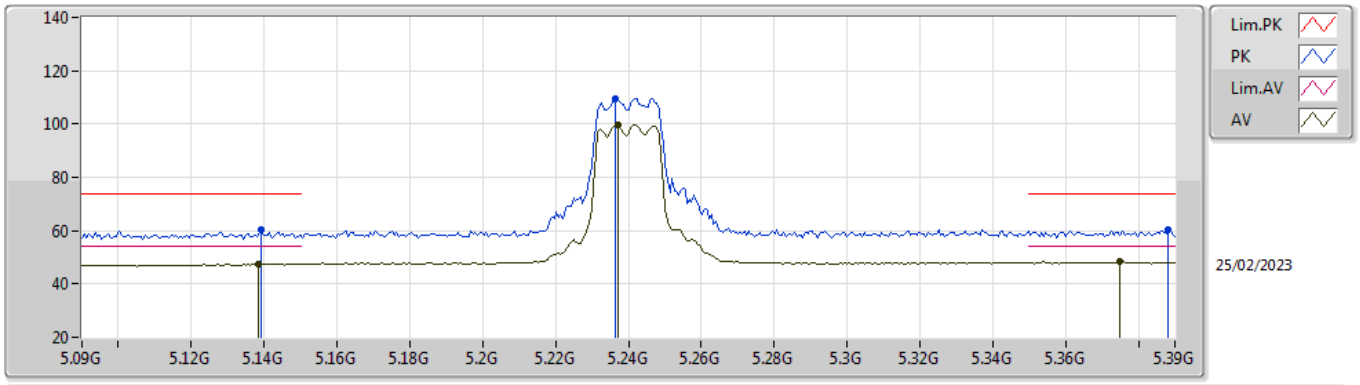


EUT Y_2TX
Setting 14.5
02-E-S-5

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	15.6021G	60.52	74.00	-13.48	44.06	3	Horizontal	335	2.03	-	37.50	10.34	31.38
AV	15.59794G	47.22	54.00	-6.78	30.75	3	Horizontal	335	2.03	-	37.51	10.34	31.38

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

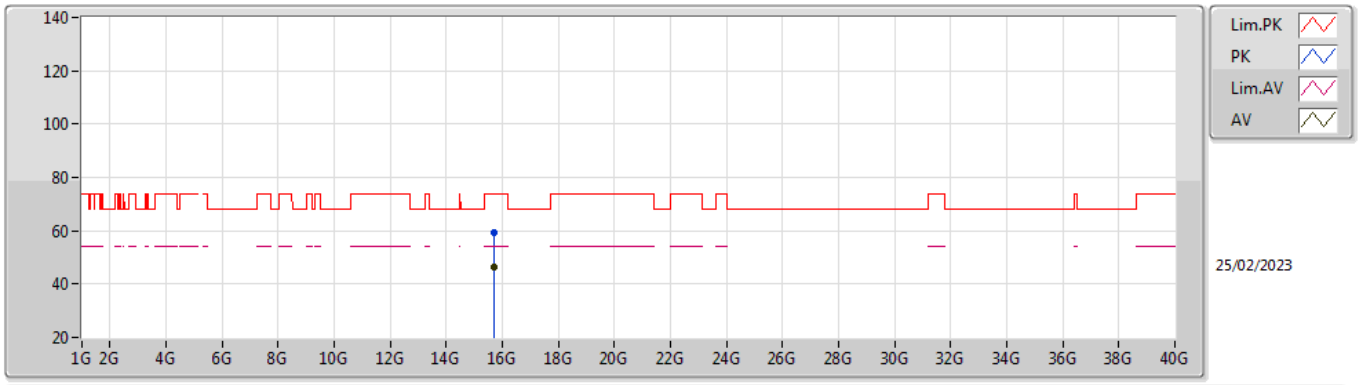


EUT Y_2TX
Setting 14.5
02-E-S-5-10

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	5.1392G	60.43	74.00	-13.57	51.81	3	Vertical	347	1.66	-	33.58	5.77	30.73
AV	5.1386G	47.50	54.00	-6.50	38.88	3	Vertical	347	1.66	-	33.58	5.77	30.73
PK	5.2364G	109.68	Inf	-Inf	100.89	3	Vertical	347	1.66	-	33.70	5.82	30.73
AV	5.237G	99.50	Inf	-Inf	90.71	3	Vertical	347	1.66	-	33.70	5.82	30.73
PK	5.3882G	60.36	74.00	-13.64	51.21	3	Vertical	347	1.66	-	33.98	5.89	30.72
AV	5.375G	48.34	54.00	-5.66	39.22	3	Vertical	347	1.66	-	33.95	5.89	30.72

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

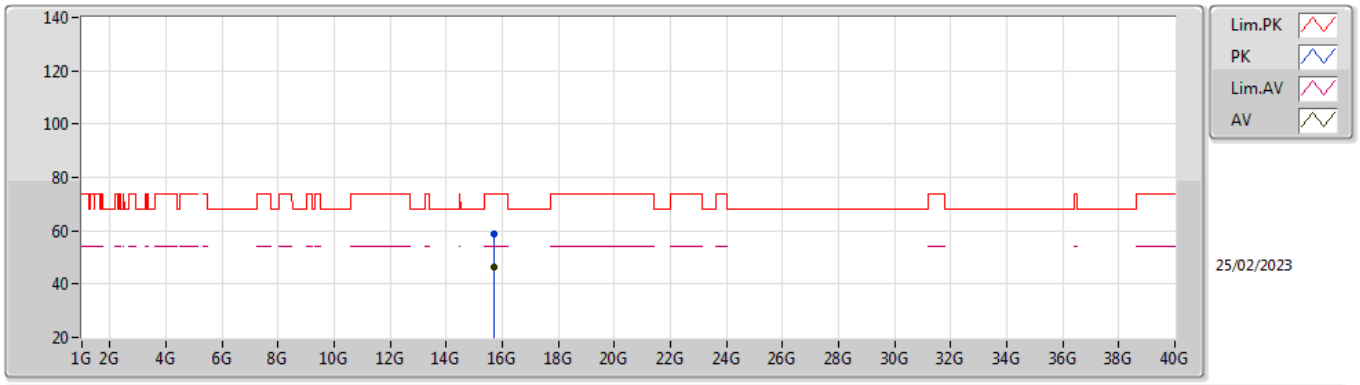


EUT Y_2TX
Setting 14.5
02-E-S-5

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	15.71798G	59.25	74.00	-14.75	42.80	3	Vertical	182	1.50	-	37.50	10.39	31.44
AV	15.72368G	46.47	54.00	-7.53	30.03	3	Vertical	182	1.50	-	37.50	10.39	31.45

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

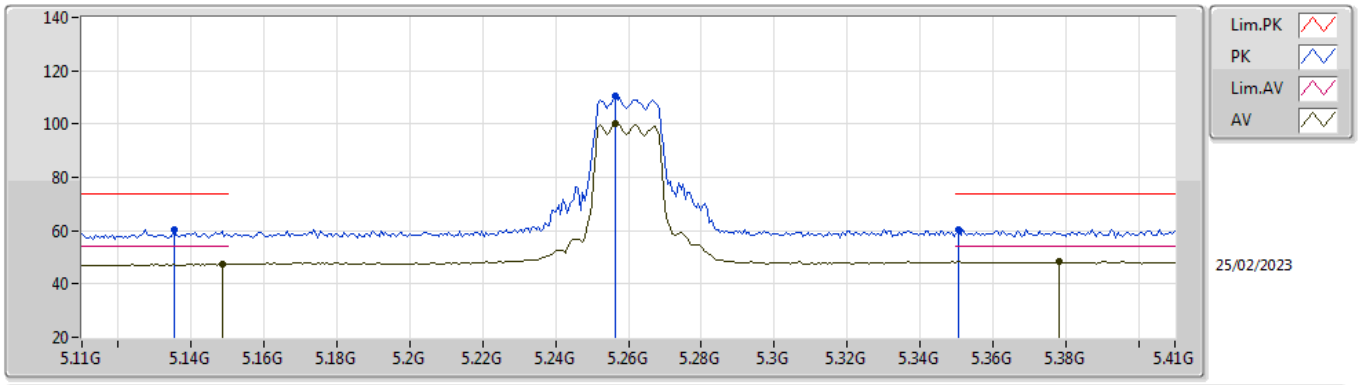


EUT Y_2TX
Setting 14.5
02-E-S-5

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	15.72156G	59.05	74.00	-14.95	42.61	3	Horizontal	186	2.92	-	37.50	10.39	31.45
AV	15.72094G	46.34	54.00	-7.66	29.89	3	Horizontal	186	2.92	-	37.50	10.39	31.44

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

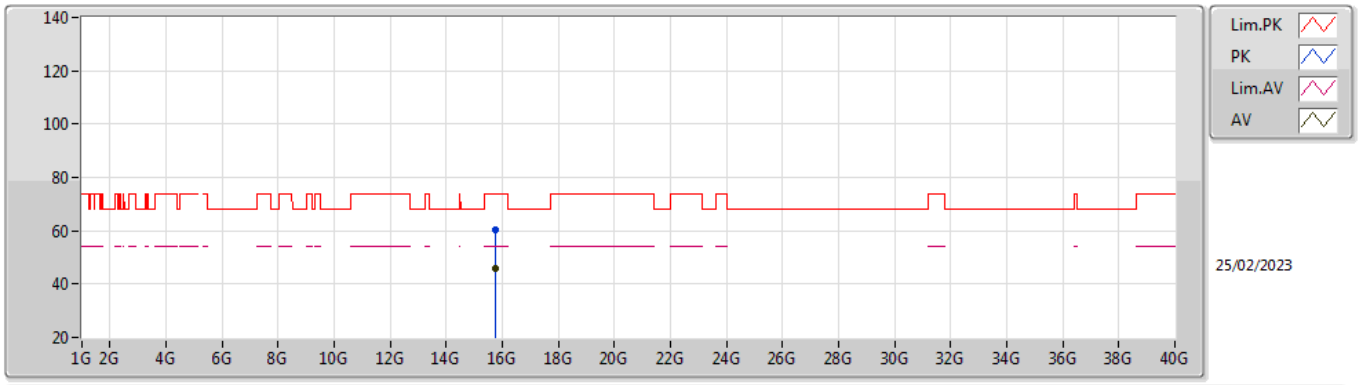


EUT Y_2TX
Setting 15.5
02-E-S-5-10

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	5.1352G	60.24	74.00	-13.76	51.63	3	Vertical	348	1.63	-	33.57	5.77	30.73
AV	5.1484G	47.66	54.00	-6.34	39.02	3	Vertical	348	1.63	-	33.60	5.77	30.73
PK	5.2564G	110.51	Inf	-Inf	101.69	3	Vertical	348	1.63	-	33.71	5.83	30.72
AV	5.2564G	100.22	Inf	-Inf	91.40	3	Vertical	348	1.63	-	33.71	5.83	30.72
PK	5.3506G	60.44	74.00	-13.56	51.38	3	Vertical	348	1.63	-	33.90	5.88	30.72
AV	5.3782G	48.44	54.00	-5.56	39.31	3	Vertical	348	1.63	-	33.96	5.89	30.72

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

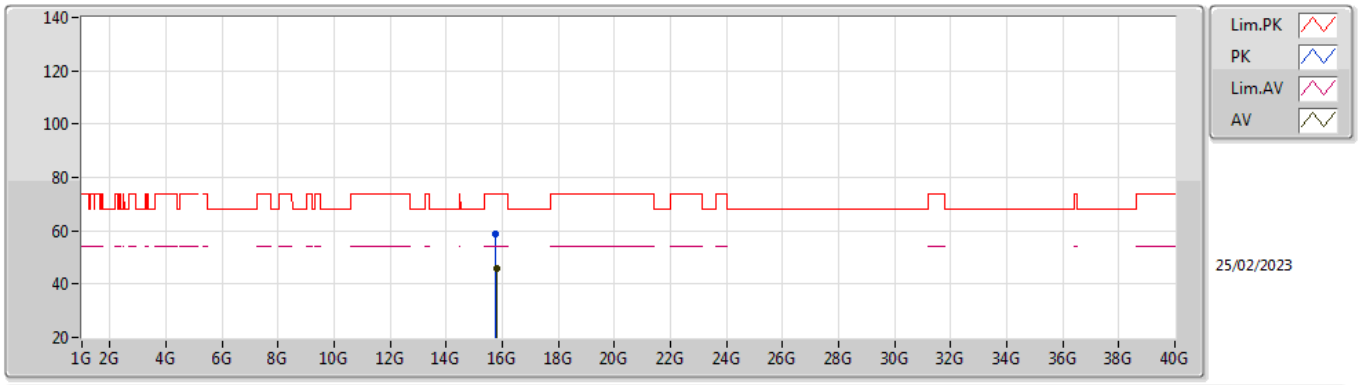


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.77658G	60.60	74.00	-13.40	44.16	3	Vertical	242	2.35	-	37.50	10.41	31.47
AV	15.77592G	46.00	54.00	-8.00	29.56	3	Vertical	242	2.35	-	37.50	10.41	31.47

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

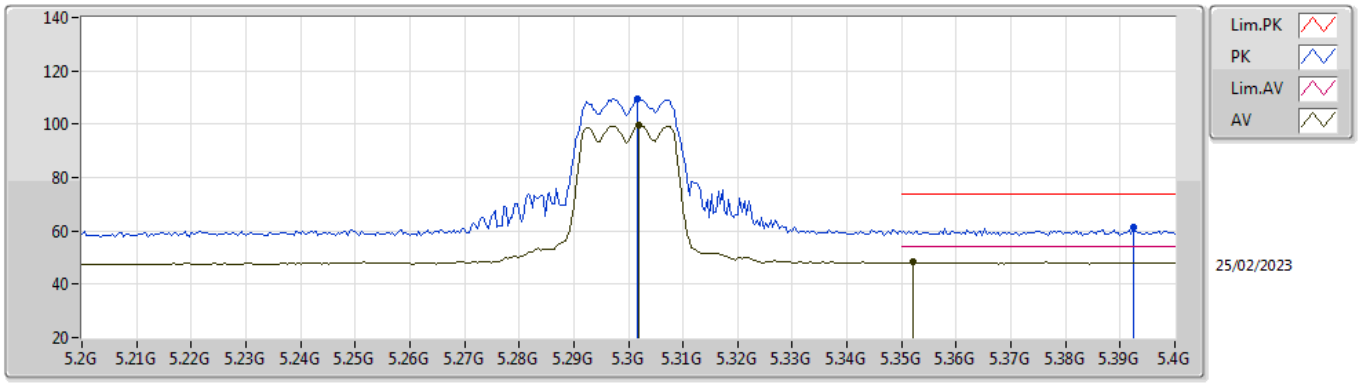


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.77548G	58.82	74.00	-15.18	42.38	3	Horizontal	312	2.25	-	37.50	10.41	31.47
AV	15.78048G	46.03	54.00	-7.97	29.60	3	Horizontal	312	2.25	-	37.50	10.41	31.48

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

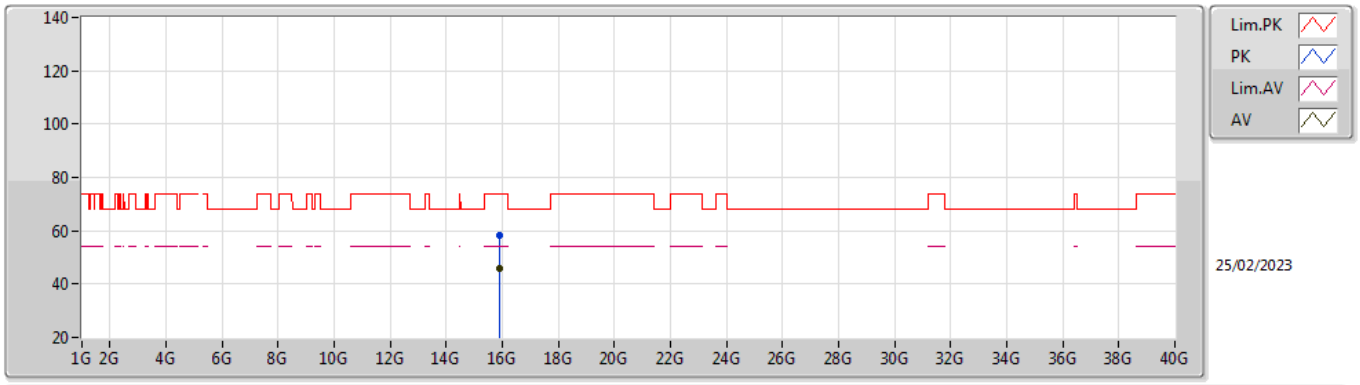


EUT Y_2TX
Setting 15.5
02-E-S-5-10

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	5.3016G	109.56	Inf	-Inf	100.63	3	Vertical	348	1.78	-	33.80	5.85	30.72
AV	5.302G	99.51	Inf	-Inf	90.58	3	Vertical	348	1.78	-	33.80	5.85	30.72
PK	5.3924G	61.26	74.00	-12.74	52.10	3	Vertical	348	1.78	-	33.98	5.90	30.72
AV	5.352G	48.22	54.00	-5.78	39.16	3	Vertical	348	1.78	-	33.90	5.88	30.72

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

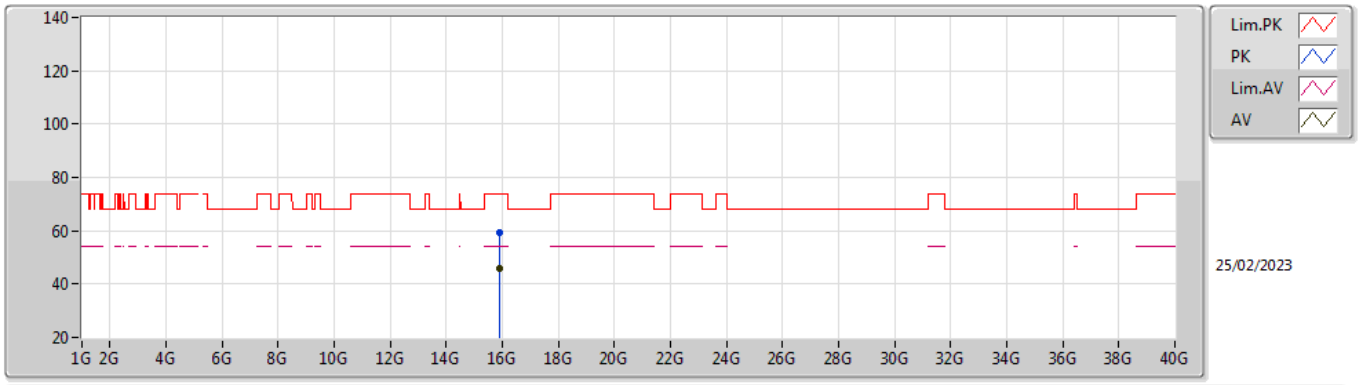


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.9036G	58.52	74.00	-15.48	42.30	3	Vertical	340	1.70	-	37.30	10.46	31.54
AV	15.90306G	46.10	54.00	-7.90	29.88	3	Vertical	340	1.70	-	37.30	10.46	31.54

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

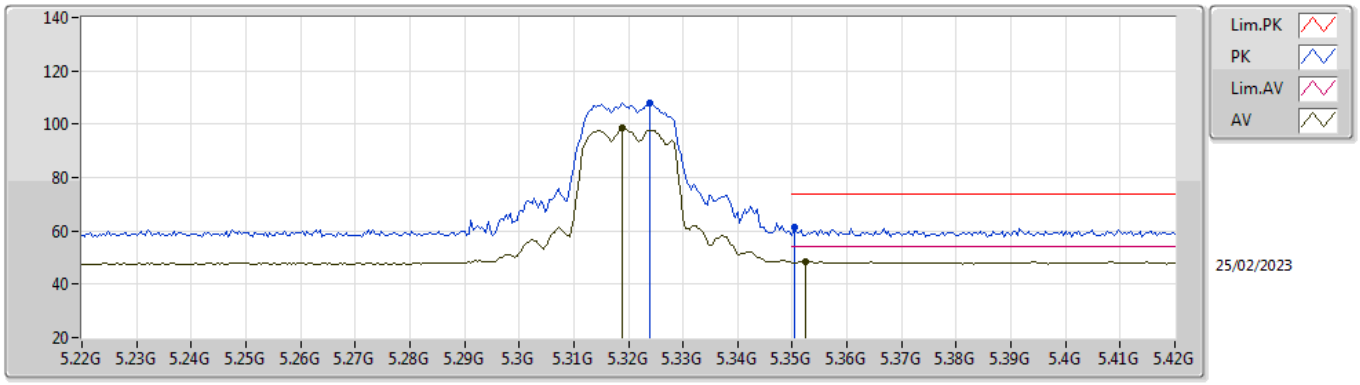


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.9041G	59.29	74.00	-14.71	43.07	3	Horizontal	92	2.34	-	37.30	10.46	31.54
AV	15.89652G	46.02	54.00	-7.98	29.79	3	Horizontal	92	2.34	-	37.31	10.46	31.54

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

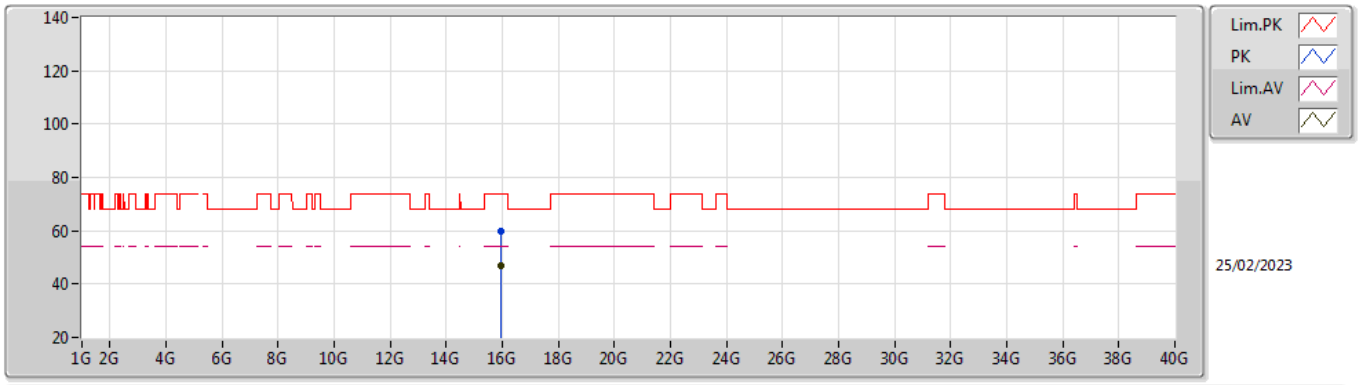


EUT Y_2TX
Setting 15
02-E-S-5-10

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	5.324G	107.94	Inf	-Inf	98.95	3	Vertical	349	1.85	-	33.85	5.86	30.72
AV	5.3188G	98.40	Inf	-Inf	89.42	3	Vertical	349	1.85	-	33.84	5.86	30.72
PK	5.3504G	61.39	74.00	-12.61	52.33	3	Vertical	349	1.85	-	33.90	5.88	30.72
AV	5.3524G	48.66	54.00	-5.34	39.60	3	Vertical	349	1.85	-	33.90	5.88	30.72

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

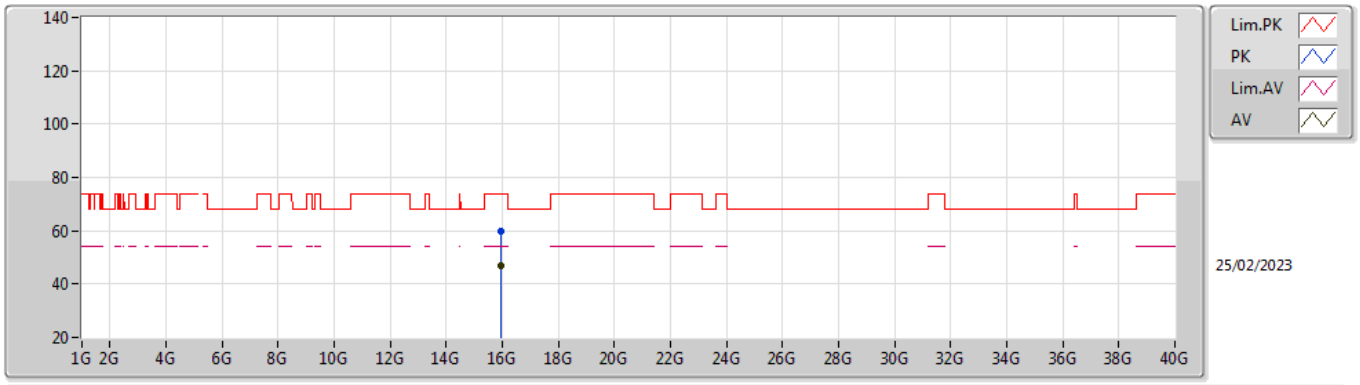


EUT Y_2TX
Setting 15
02-E-S-5

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	15.9617G	59.81	74.00	-14.19	43.60	3	Vertical	69	2.32	-	37.30	10.48	31.57
AV	15.95746G	46.99	54.00	-7.01	30.78	3	Vertical	69	2.32	-	37.30	10.48	31.57

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

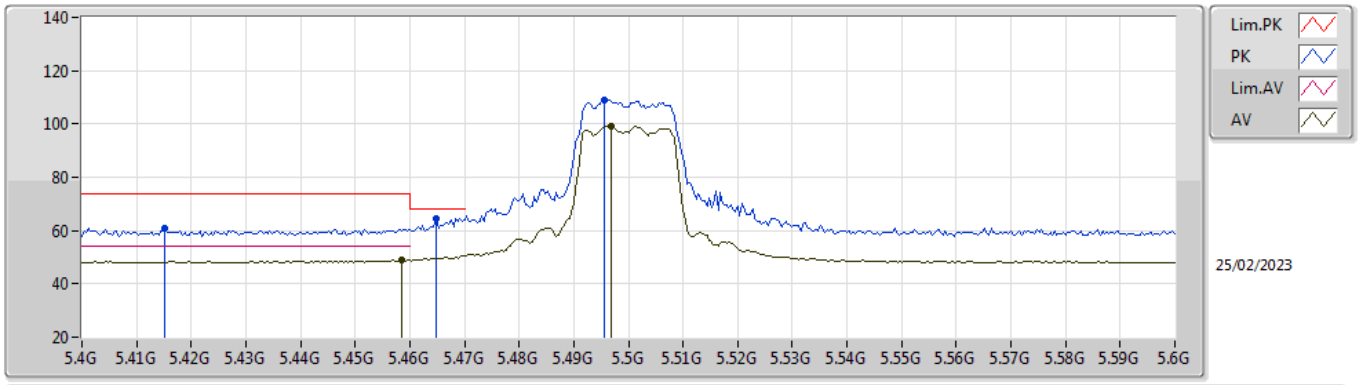


EUT Y_2TX
Setting 15
02-E-S-5

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	15.9615G	59.87	74.00	-14.13	43.66	3	Horizontal	137	1.84	-	37.30	10.48	31.57
AV	15.95816G	46.93	54.00	-7.07	30.72	3	Horizontal	137	1.84	-	37.30	10.48	31.57

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

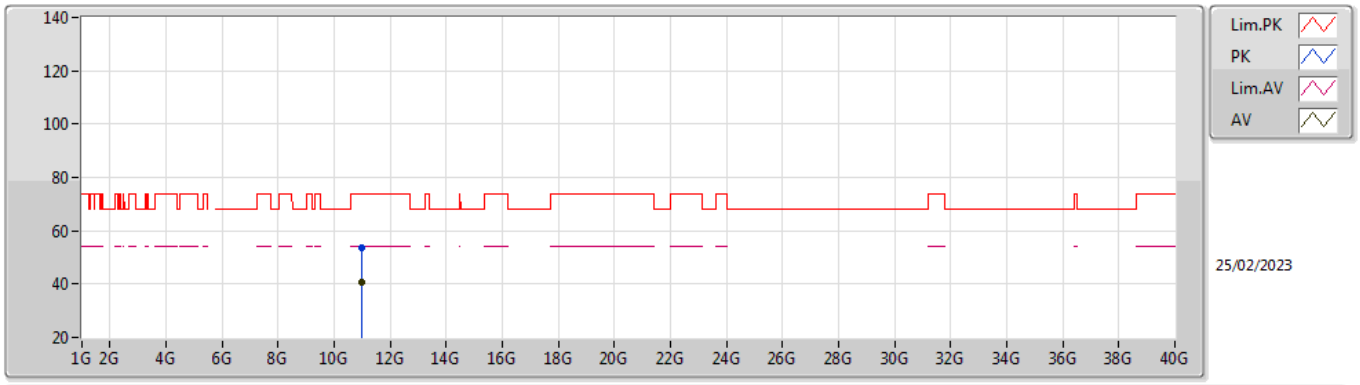


EUT Y_2TX
Setting 15
02-E-S-5-10

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	5.4152G	61.00	74.00	-13.00	51.80	3	Vertical	40	1.80	-	34.00	5.92	30.72
PK	5.4648G	64.62	68.20	-3.58	55.38	3	Vertical	40	1.80	-	34.00	5.96	30.72
AV	5.4584G	48.99	54.00	-5.01	39.75	3	Vertical	40	1.80	-	34.00	5.96	30.72
PK	5.4956G	109.02	Inf	-Inf	99.74	3	Vertical	40	1.80	-	34.00	6.00	30.72
AV	5.4968G	99.20	Inf	-Inf	89.92	3	Vertical	40	1.80	-	34.00	6.00	30.72

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

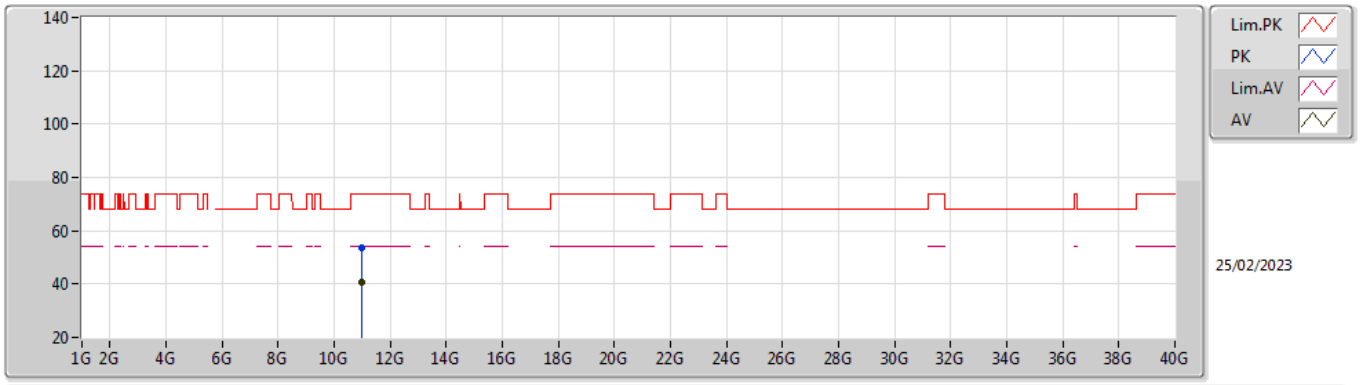


EUT Y_2TX
Setting 15
02-E-S-5

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	10.99752G	53.54	74.00	-20.46	38.21	3	Vertical	247	1.06	-	38.60	8.65	31.92
AV	10.99588G	40.65	54.00	-13.35	25.32	3	Vertical	247	1.06	-	38.60	8.65	31.92

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

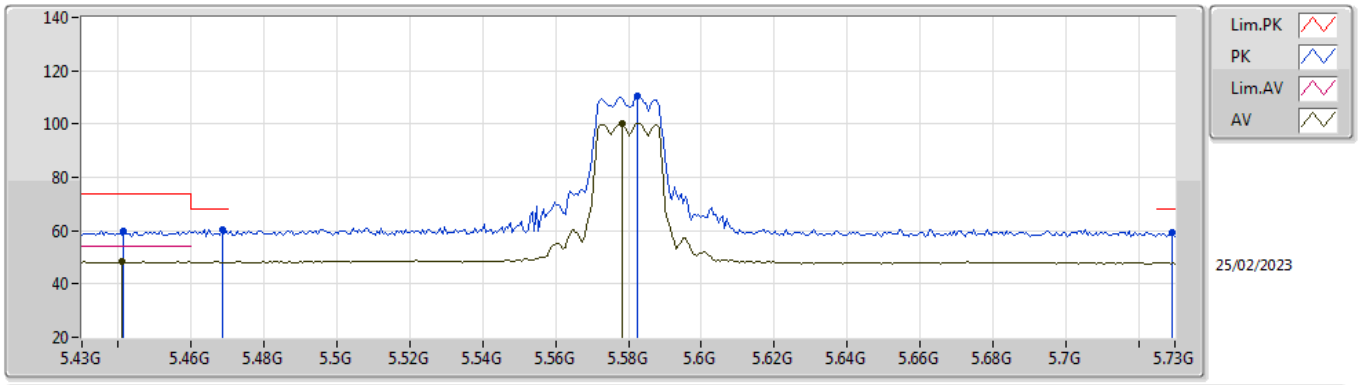


EUT Y_2TX
Setting 15
02-E-S-5

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	11.00124G	53.77	74.00	-20.23	38.44	3	Horizontal	236	1.36	-	38.60	8.65	31.92
AV	10.9997G	40.49	54.00	-13.51	25.16	3	Horizontal	236	1.36	-	38.60	8.65	31.92

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

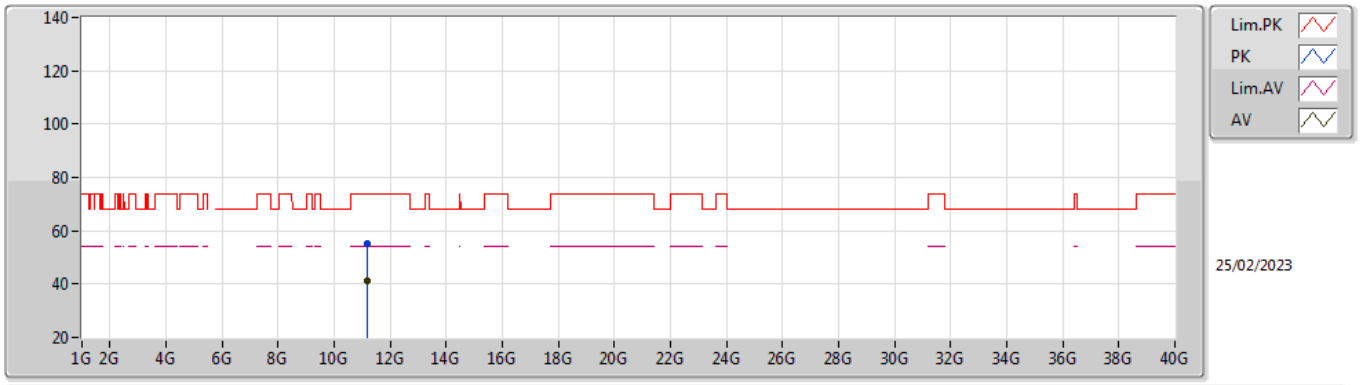


EUT Y_2TX
Setting 14.5
02-E-S-5-10

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	5.4414G	59.91	74.00	-14.09	50.69	3	Vertical	5	1.48	-	34.00	5.94	30.72
AV	5.4408G	48.43	54.00	-5.57	39.21	3	Vertical	5	1.48	-	34.00	5.94	30.72
PK	5.4684G	60.35	68.20	-7.85	51.10	3	Vertical	5	1.48	-	34.00	5.97	30.72
PK	5.5824G	110.36	Inf	-Inf	101.12	3	Vertical	5	1.48	-	33.94	6.08	30.78
AV	5.5782G	100.29	Inf	-Inf	91.05	3	Vertical	5	1.48	-	33.94	6.08	30.78
PK	5.7294G	59.32	68.20	-8.88	50.27	3	Vertical	5	1.48	-	33.84	6.10	30.89

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

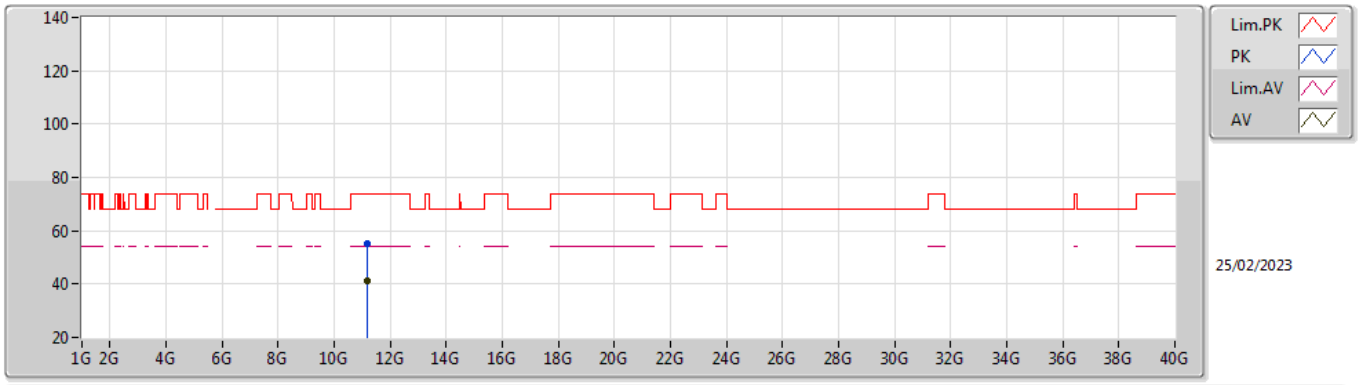


EUT Y_2TX
Setting 14.5
02-E-S-5

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	11.16216G	54.92	74.00	-19.08	39.43	3	Vertical	166	1.05	-	38.76	8.71	31.98
AV	11.15876G	41.31	54.00	-12.69	25.82	3	Vertical	166	1.05	-	38.76	8.71	31.98

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

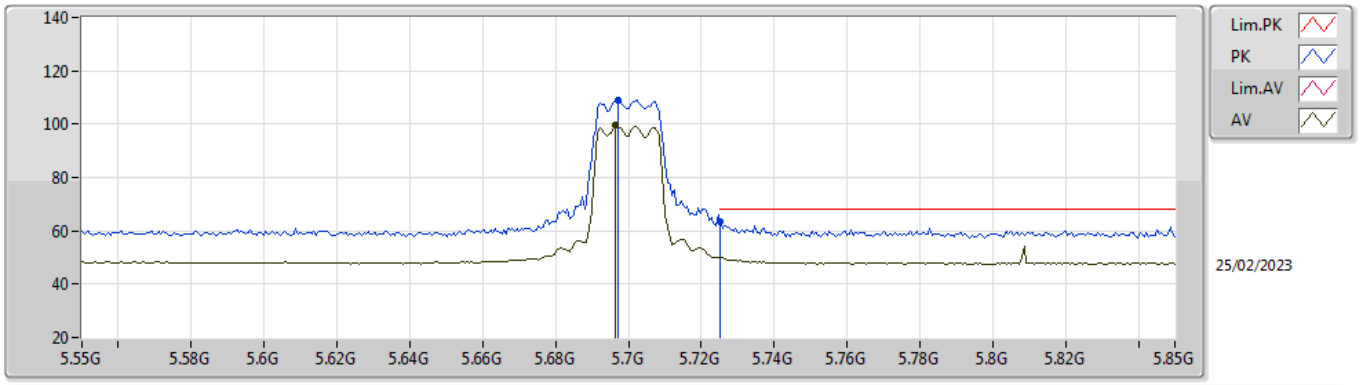


EUT Y_2TX
Setting 14.5
02-E-S-5

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	11.16152G	55.10	74.00	-18.90	39.61	3	Horizontal	21	2.10	-	38.76	8.71	31.98
AV	11.16104G	41.45	54.00	-12.55	25.96	3	Horizontal	21	2.10	-	38.76	8.71	31.98

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

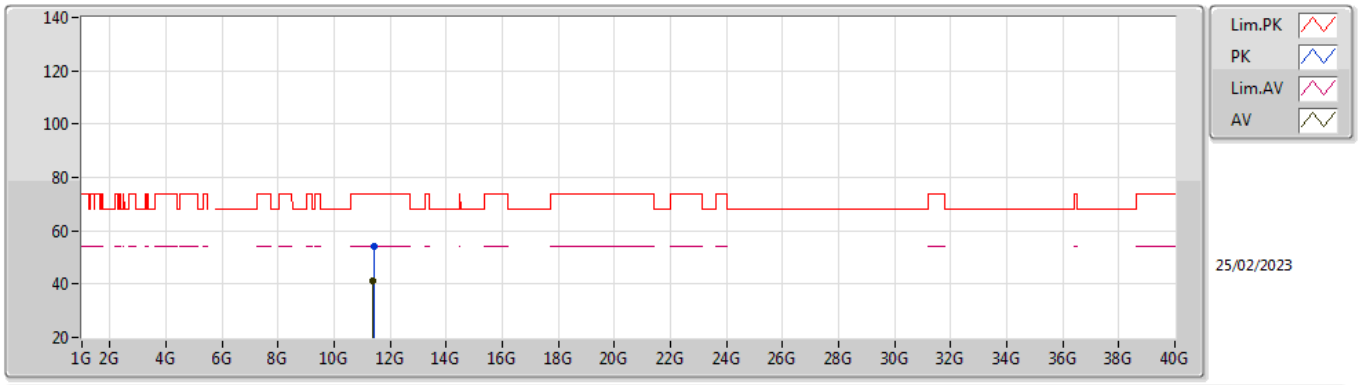


EUT Y_2TX
Setting 15
02-E-S-5-10

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	5.697G	109.17	Inf	-Inf	100.05	3	Vertical	42	2.04	-	33.89	6.10	30.87
AV	5.6964G	99.41	Inf	-Inf	90.29	3	Vertical	42	2.04	-	33.89	6.10	30.87
PK	5.7252G	63.39	68.20	-4.81	54.33	3	Vertical	42	2.04	-	33.85	6.10	30.89

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

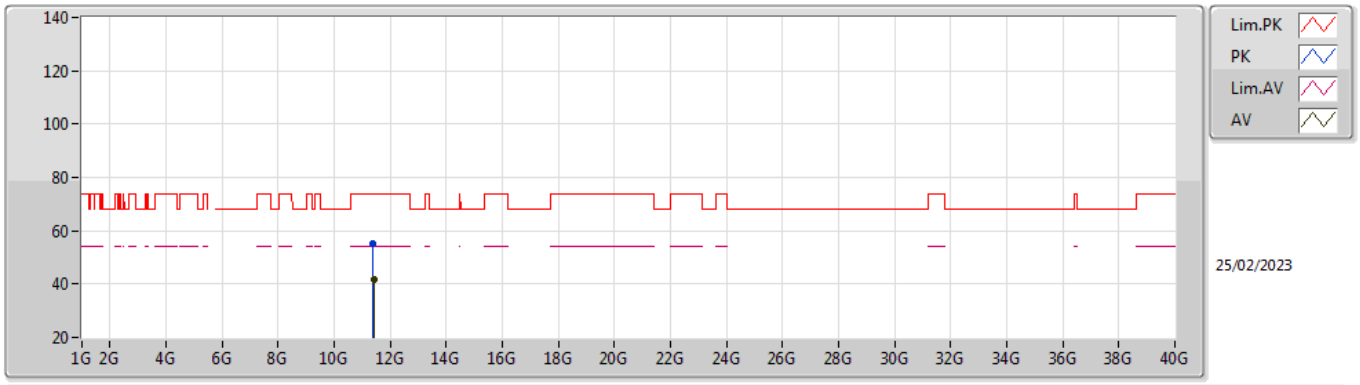


EUT Y_2TX
Setting 15
02-E-S-5

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	11.40316G	54.28	74.00	-19.72	38.76	3	Vertical	49	1.73	-	38.81	8.79	32.08
AV	11.39906G	41.33	54.00	-12.67	25.82	3	Vertical	49	1.73	-	38.80	8.79	32.08

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

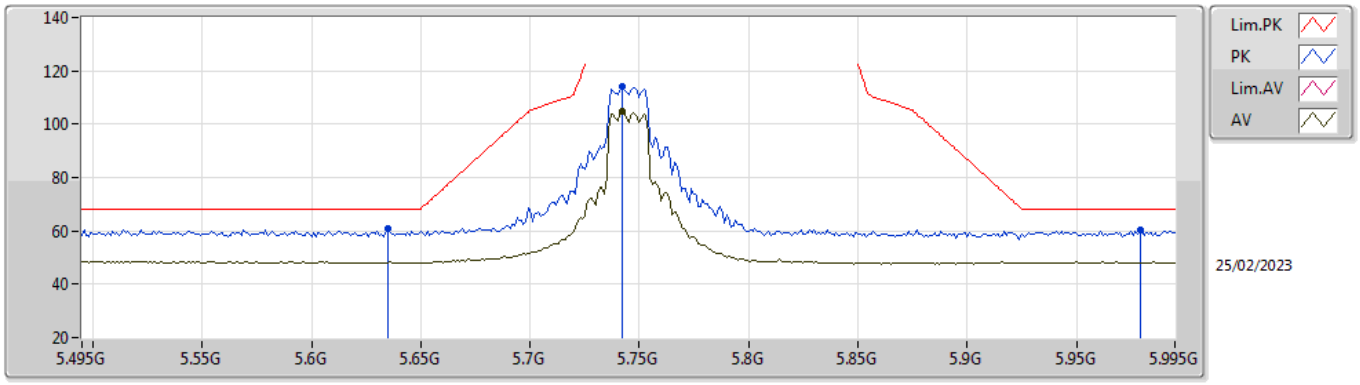


EUT Y_2TX
Setting 15
02-E-S-5

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	11.39962G	54.98	74.00	-19.02	39.47	3	Horizontal	209	1.72	-	38.80	8.79	32.08
AV	11.40272G	41.54	54.00	-12.46	26.02	3	Horizontal	209	1.72	-	38.81	8.79	32.08

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

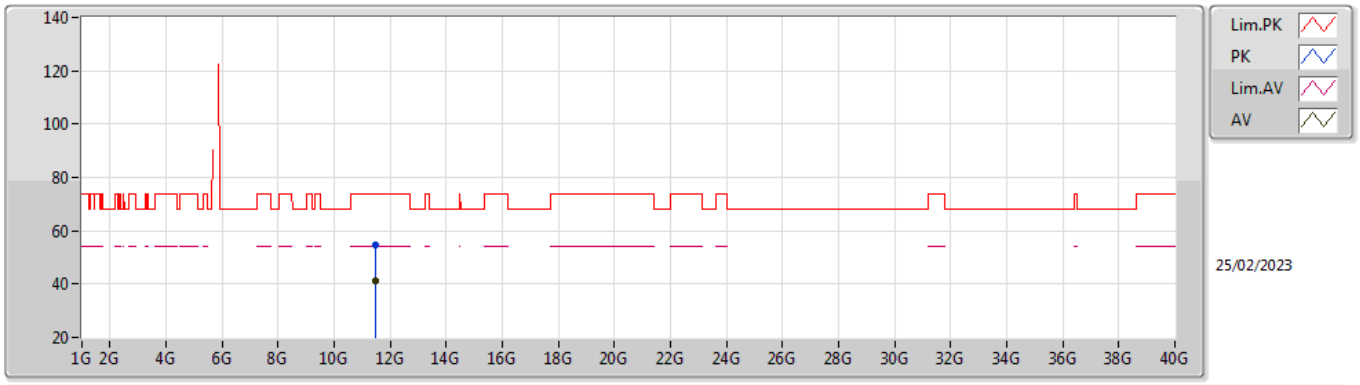


EUT Y_2TX
Setting 24
02-E-S-5-10

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	5.635G	61.01	68.20	-7.19	51.90	3	Vertical	43	2.01	-	33.83	6.10	30.82
PK	5.742G	114.29	Inf	-Inf	105.27	3	Vertical	43	2.01	-	33.82	6.10	30.90
AV	5.742G	104.81	Inf	-Inf	95.79	3	Vertical	43	2.01	-	33.82	6.10	30.90
PK	5.979G	60.58	68.20	-7.62	51.18	3	Vertical	43	2.01	-	34.20	6.28	31.08

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

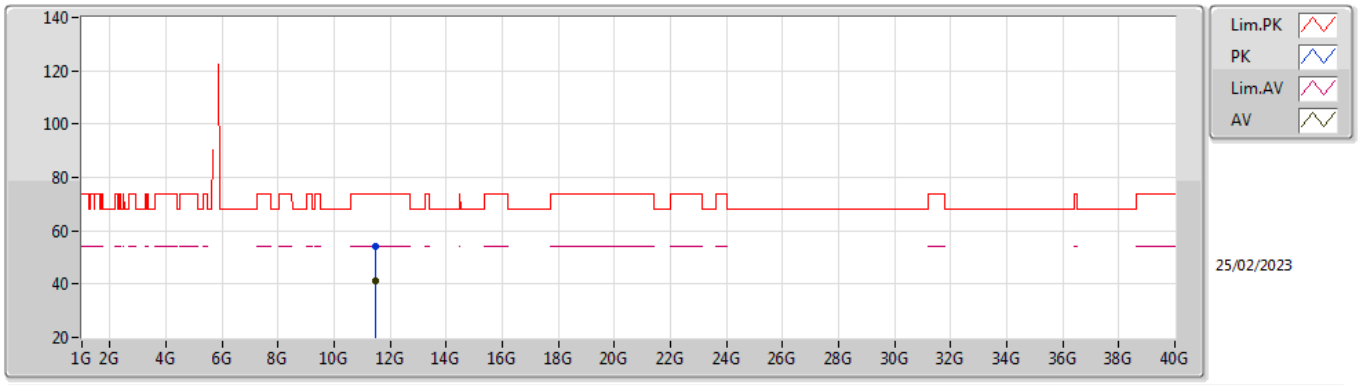


EUT Y_2TX
Setting 24
02-E-S-5

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	11.49016G	54.53	74.00	-19.47	38.85	3	Vertical	186	1.78	-	38.98	8.82	32.12
AV	11.49132G	41.11	54.00	-12.89	25.43	3	Vertical	186	1.78	-	38.98	8.82	32.12

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

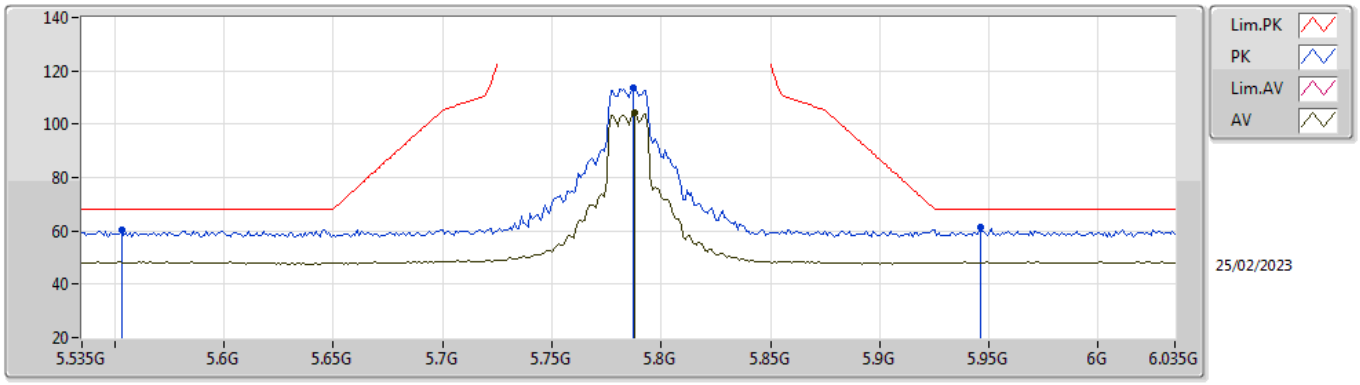


EUT Y_2TX
Setting 24
02-E-S-5

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	11.49306G	54.39	74.00	-19.61	38.70	3	Horizontal	261	2.25	-	38.99	8.82	32.12
AV	11.48682G	41.17	54.00	-12.83	25.49	3	Horizontal	261	2.25	-	38.97	8.82	32.11

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

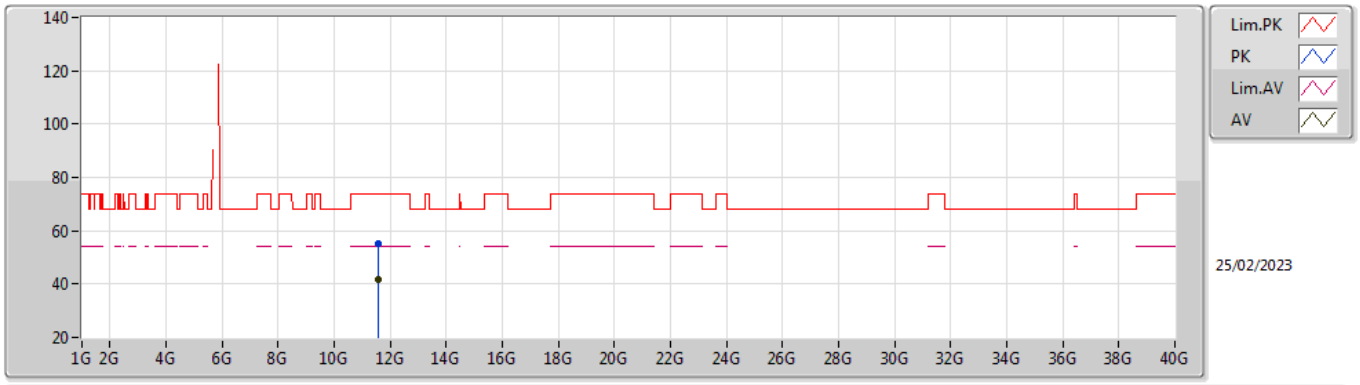


EUT Y_2TX
Setting 24
02-E-S-5-10

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	5.553G	60.59	68.20	-7.61	51.31	3	Vertical	14	1.80	-	33.99	6.05	30.76
PK	5.787G	113.46	Inf	-Inf	104.50	3	Vertical	14	1.80	-	33.80	6.10	30.94
AV	5.788G	104.18	Inf	-Inf	95.22	3	Vertical	14	1.80	-	33.80	6.10	30.94
PK	5.946G	61.36	68.20	-6.84	51.99	3	Vertical	14	1.80	-	34.19	6.24	31.06

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

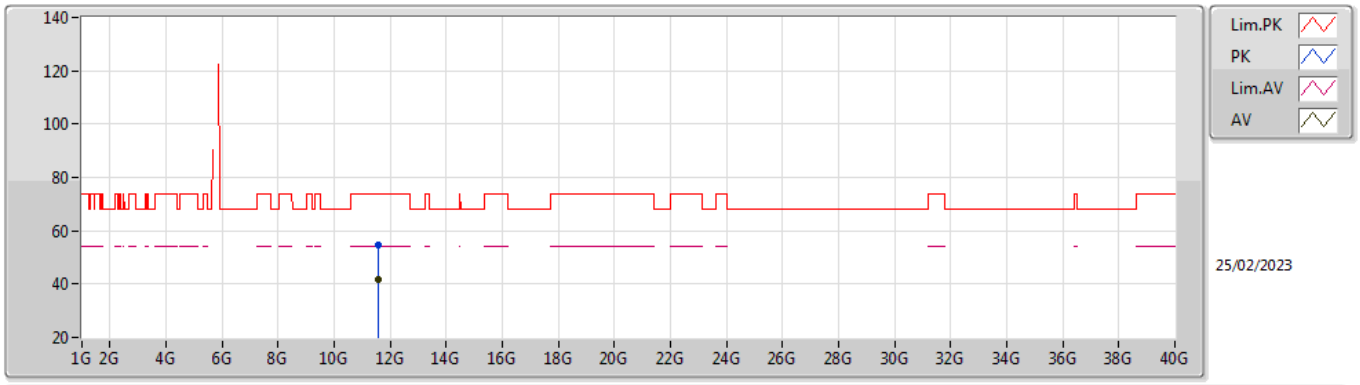


EUT Y_2TX
Setting 24
02-E-S-5

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	11.56738G	55.13	74.00	-18.87	39.24	3	Vertical	271	1.21	-	39.20	8.85	32.16
AV	11.56966G	41.54	54.00	-12.46	25.64	3	Vertical	271	1.21	-	39.21	8.85	32.16

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

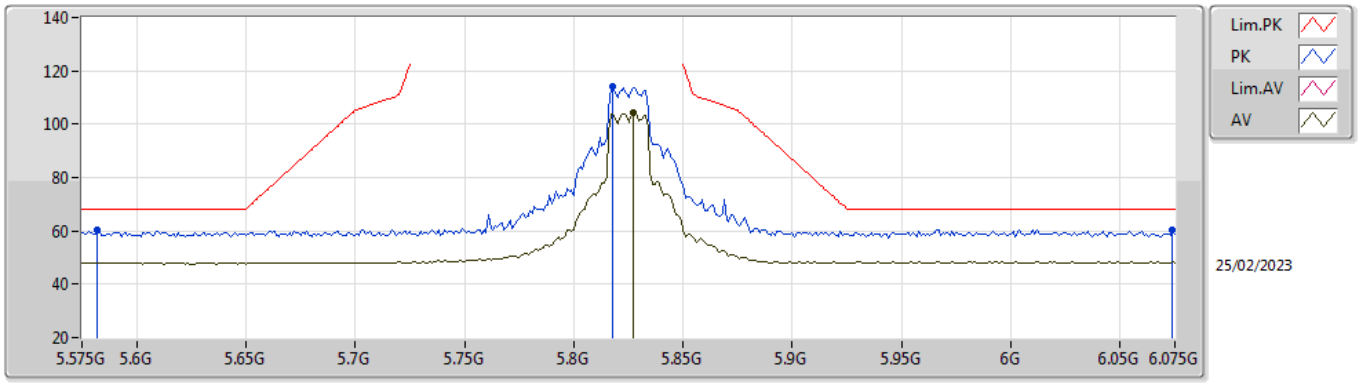


EUT Y_2TX
Setting 24
02-E-S-5

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	11.56598G	54.90	74.00	-19.10	39.01	3	Horizontal	114	2.58	-	39.20	8.85	32.16
AV	11.57302G	41.70	54.00	-12.30	25.79	3	Horizontal	114	2.58	-	39.22	8.85	32.16

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

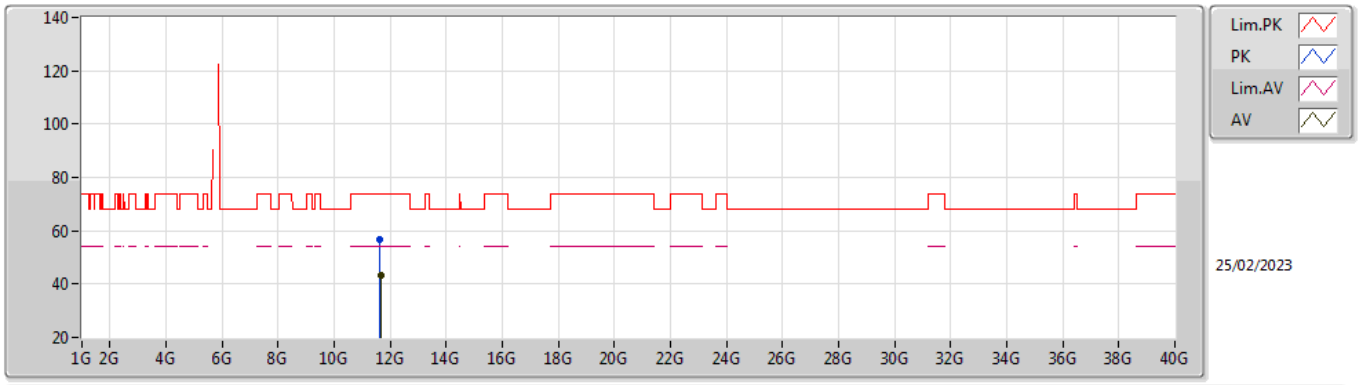


EUT Y_2TX
Setting 24.5
02-E-S-5-10

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	5.582G	60.20	68.20	-8.00	50.96	3	Vertical	43	1.88	-	33.94	6.08	30.78
PK	5.818G	113.97	Inf	-Inf	105.02	3	Vertical	43	1.88	-	33.80	6.11	30.96
AV	5.827G	104.28	Inf	-Inf	95.33	3	Vertical	43	1.88	-	33.80	6.12	30.97
PK	6.074G	60.44	68.20	-7.76	50.91	3	Vertical	43	1.88	-	34.35	6.30	31.12

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

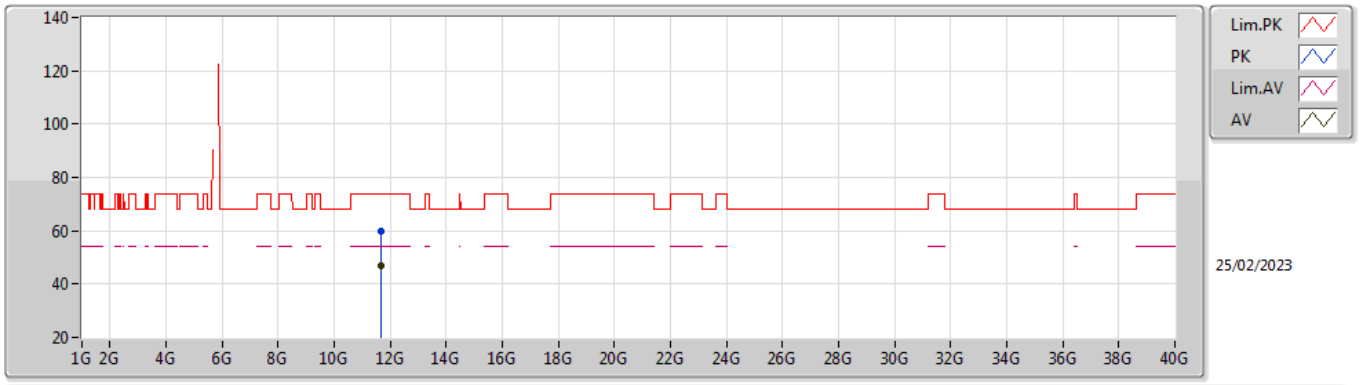


EUT Y_2TX
Setting 24.5
02-E-S-5

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	11.64456G	56.91	74.00	-17.09	40.84	3	Vertical	116	1.80	-	39.39	8.88	32.20
AV	11.64812G	43.47	54.00	-10.53	27.40	3	Vertical	116	1.80	-	39.40	8.88	32.21

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

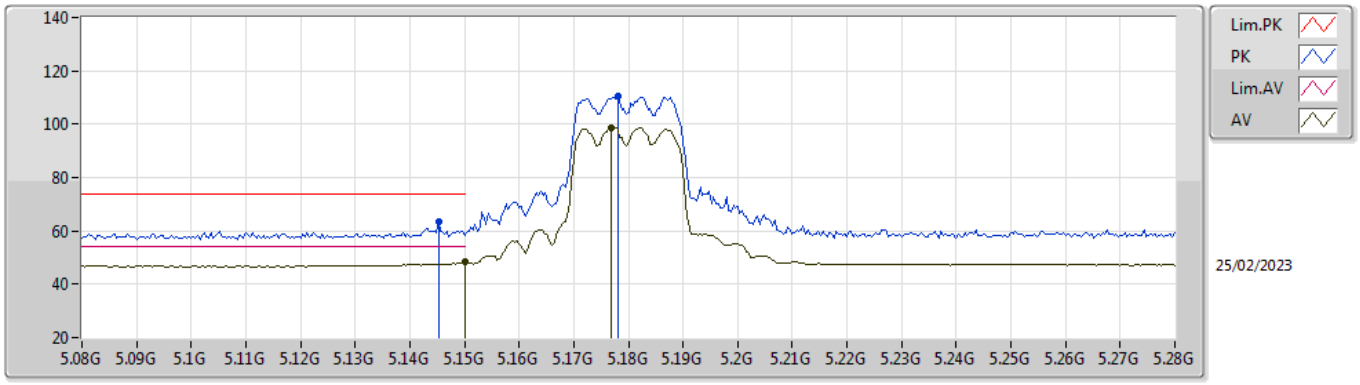


EUT Y_2TX
Setting 24.5
02-E-S-5

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	11.64788G	59.86	74.00	-14.14	43.79	3	Horizontal	138	1.73	-	39.40	8.88	32.21
AV	11.648G	47.05	54.00	-6.95	30.98	3	Horizontal	138	1.73	-	39.40	8.88	32.21

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

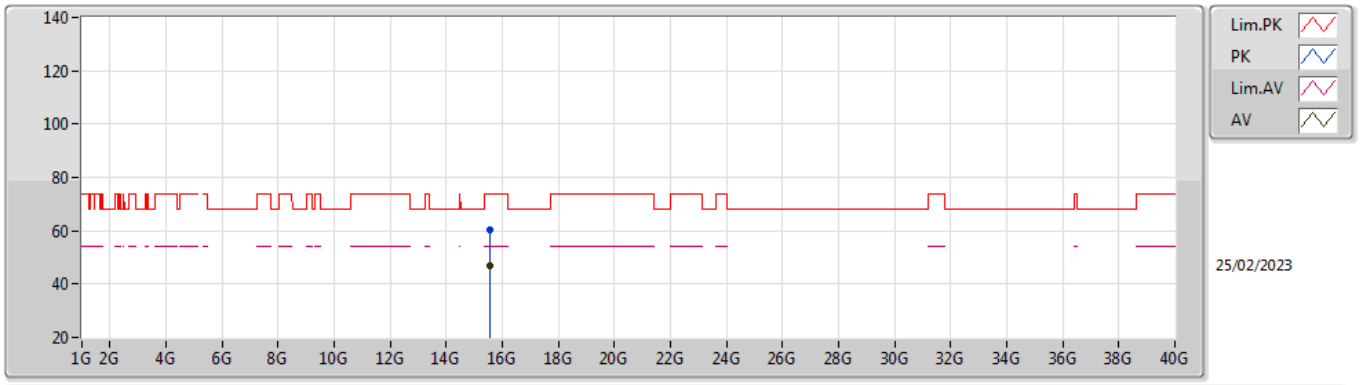


EUT Y_2TX
Setting 15.5
02-E-S-5-10

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	5.1452G	63.58	74.00	-10.42	54.95	3	Vertical	348	1.47	-	33.59	5.77	30.73
AV	5.15G	48.30	54.00	-5.70	39.65	3	Vertical	348	1.47	-	33.60	5.78	30.73
PK	5.178G	110.29	Inf	-Inf	101.57	3	Vertical	348	1.47	-	33.66	5.79	30.73
AV	5.1768G	98.86	Inf	-Inf	90.15	3	Vertical	348	1.47	-	33.65	5.79	30.73

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

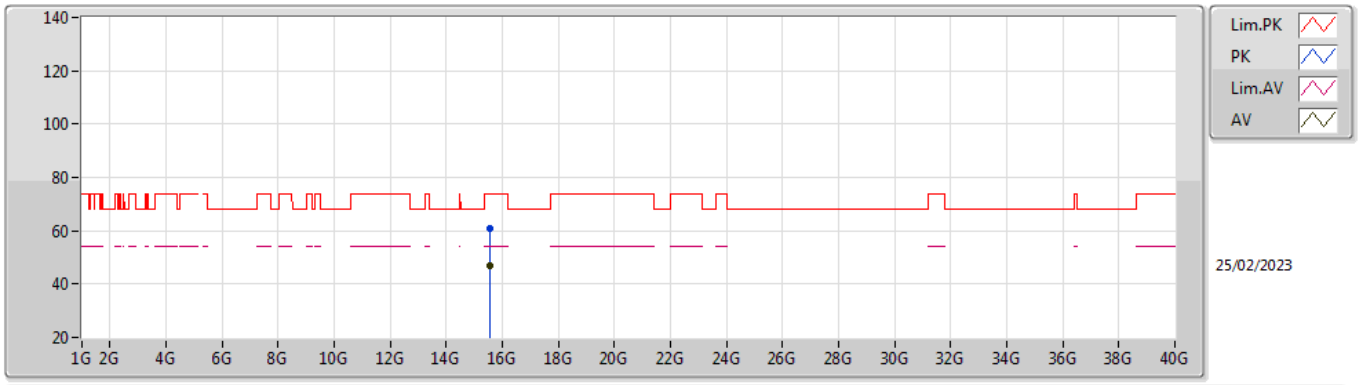


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.54236G	60.44	74.00	-13.56	43.62	3	Vertical	105	2.42	-	37.85	10.32	31.35
AV	15.53706G	47.02	54.00	-6.98	30.18	3	Vertical	105	2.42	-	37.88	10.31	31.35

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

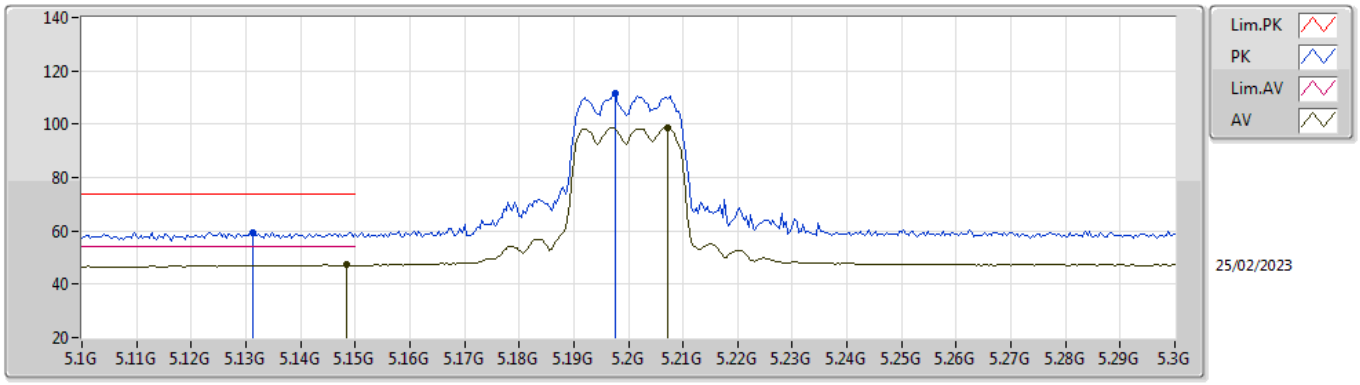


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.54186G	61.01	74.00	-12.99	44.19	3	Horizontal	164	1.21	-	37.85	10.32	31.35
AV	15.5399G	47.07	54.00	-6.93	30.24	3	Horizontal	164	1.21	-	37.86	10.32	31.35

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

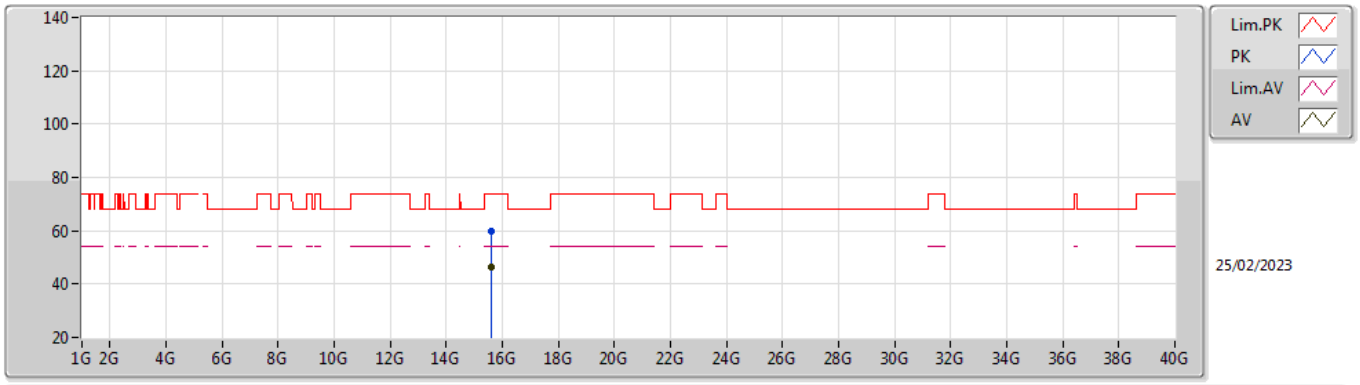


EUT Y_2TX
Setting 15.5
02-E-S-5-10

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	5.1312G	59.55	74.00	-14.45	50.95	3	Vertical	348	1.53	-	33.56	5.77	30.73
AV	5.1484G	47.22	54.00	-6.78	38.58	3	Vertical	348	1.53	-	33.60	5.77	30.73
PK	5.1976G	111.30	Inf	-Inf	102.53	3	Vertical	348	1.53	-	33.70	5.80	30.73
AV	5.2072G	98.55	Inf	-Inf	89.78	3	Vertical	348	1.53	-	33.70	5.80	30.73

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

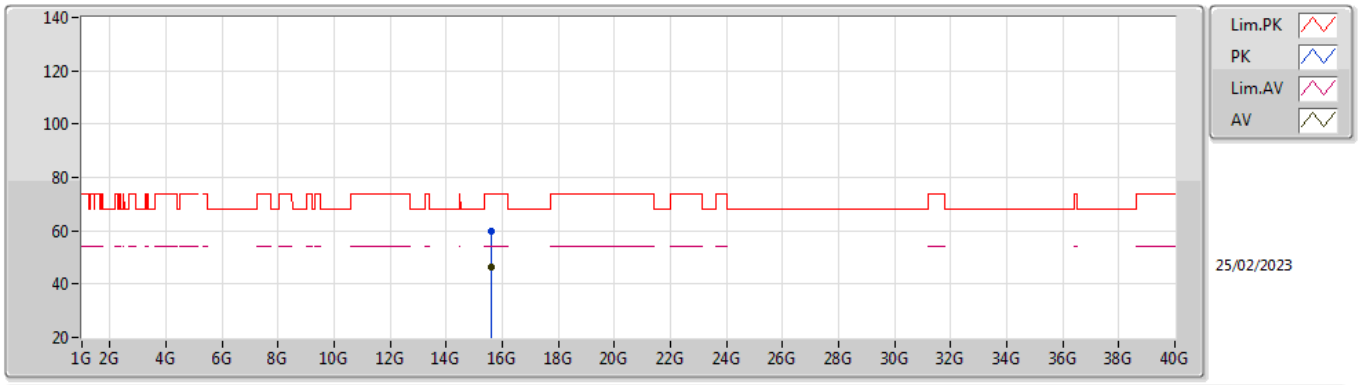


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.59798G	60.04	74.00	-13.96	43.57	3	Vertical	262	2.98	-	37.51	10.34	31.38
AV	15.59536G	46.57	54.00	-7.43	30.08	3	Vertical	262	2.98	-	37.53	10.34	31.38

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

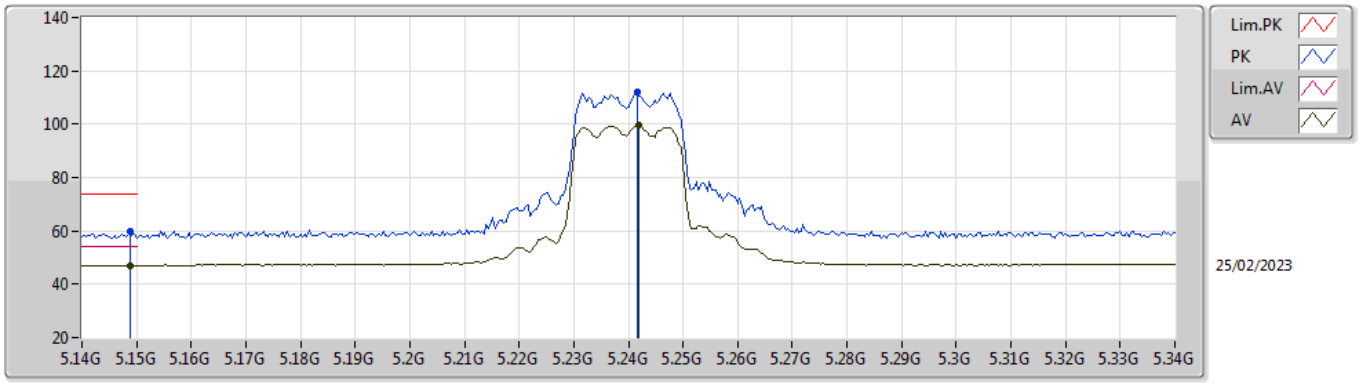


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.6005G	59.81	74.00	-14.19	43.35	3	Horizontal	29	2.85	-	37.50	10.34	31.38
AV	15.59642G	46.59	54.00	-7.41	30.11	3	Horizontal	29	2.85	-	37.52	10.34	31.38

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

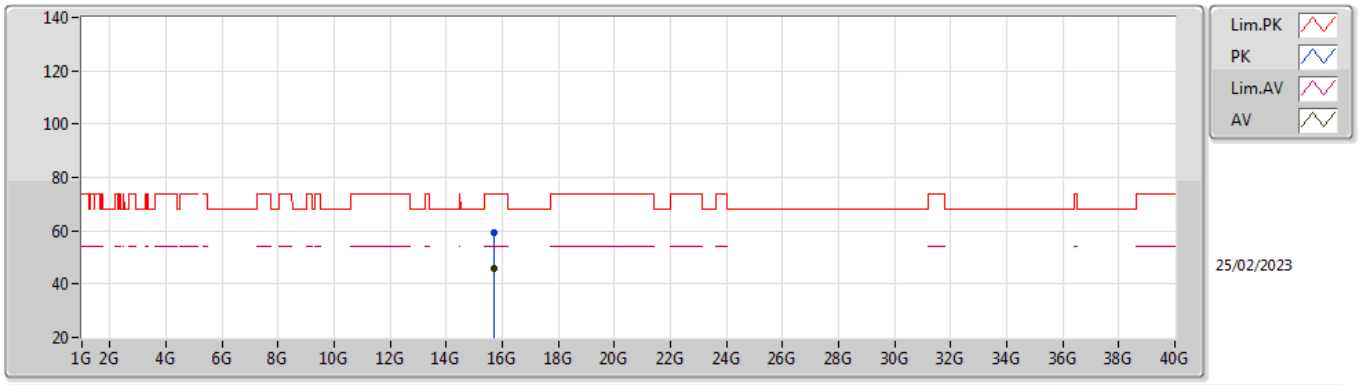


EUT Y_2TX
Setting 15
02-E-S-5-10

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	5.1488G	59.76	74.00	-14.24	51.12	3	Vertical	347	1.52	-	33.60	5.77	30.73
AV	5.1488G	47.02	54.00	-6.98	38.38	3	Vertical	347	1.52	-	33.60	5.77	30.73
PK	5.2416G	111.96	Inf	-Inf	103.17	3	Vertical	347	1.52	-	33.70	5.82	30.73
AV	5.242G	99.45	Inf	-Inf	90.66	3	Vertical	347	1.52	-	33.70	5.82	30.73

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

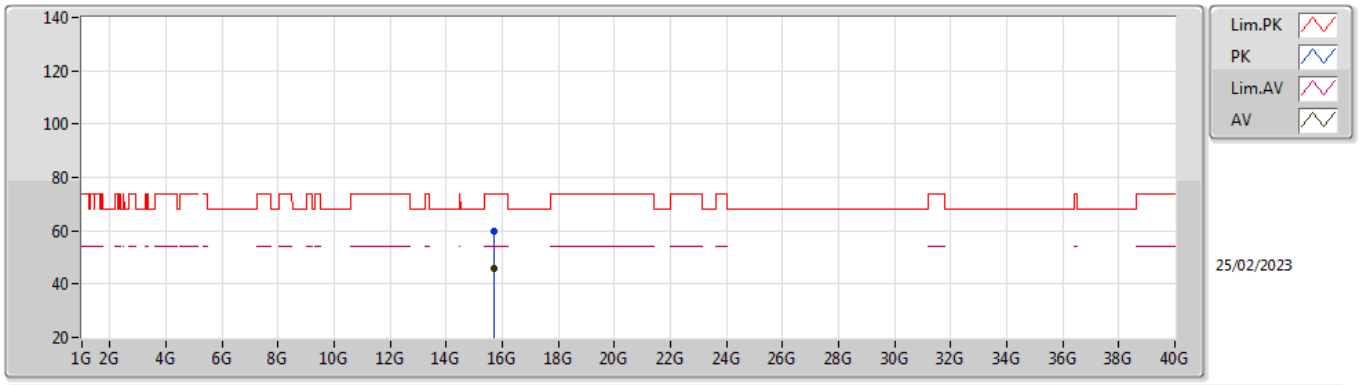


EUT Y_2TX
Setting 15
02-E-S-5

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	15.72266G	59.53	74.00	-14.47	43.09	3	Vertical	185	2.17	-	37.50	10.39	31.45
AV	15.7159G	45.83	54.00	-8.17	29.38	3	Vertical	185	2.17	-	37.50	10.39	31.44

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

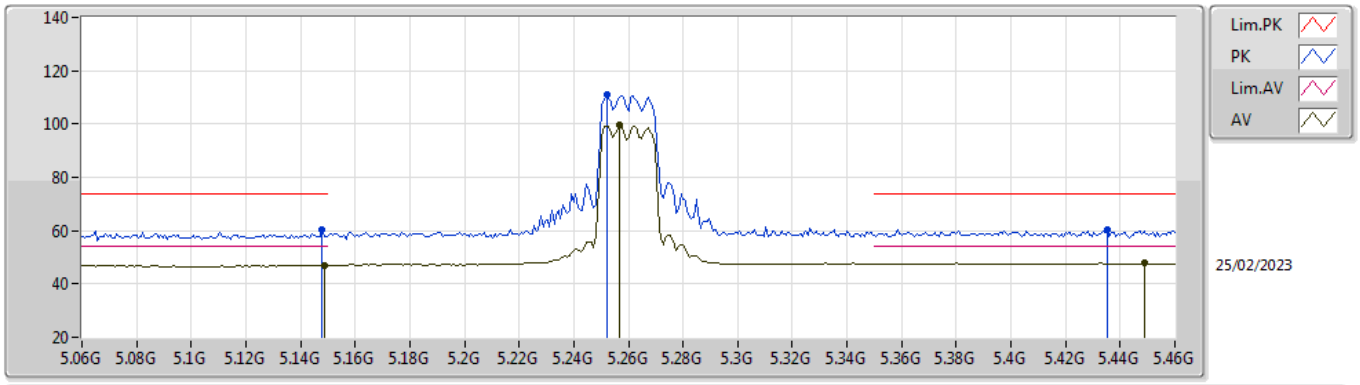


EUT Y_2TX
Setting 15
02-E-S-5

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	15.72044G	59.80	74.00	-14.20	43.35	3	Horizontal	11	1.87	-	37.50	10.39	31.44
AV	15.71572G	45.92	54.00	-8.08	29.47	3	Horizontal	11	1.87	-	37.50	10.39	31.44

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX

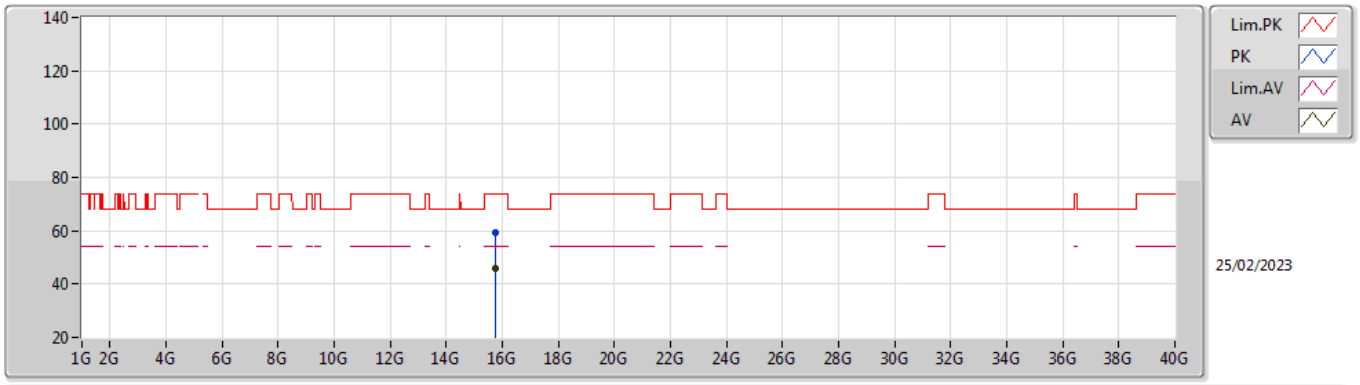


EUT Y_2TX
Setting 15.5
02-E-S-5-10

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	5.148G	60.15	74.00	-13.85	51.51	3	Vertical	350	1.63	-	33.60	5.77	30.73
AV	5.1488G	47.07	54.00	-6.93	38.43	3	Vertical	350	1.63	-	33.60	5.77	30.73
PK	5.252G	110.95	Inf	-Inf	102.14	3	Vertical	350	1.63	-	33.70	5.83	30.72
AV	5.2568G	99.51	Inf	-Inf	90.69	3	Vertical	350	1.63	-	33.71	5.83	30.72
PK	5.4352G	60.25	74.00	-13.75	51.03	3	Vertical	350	1.63	-	34.00	5.94	30.72
AV	5.4488G	47.75	54.00	-6.25	38.52	3	Vertical	350	1.63	-	34.00	5.95	30.72

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX

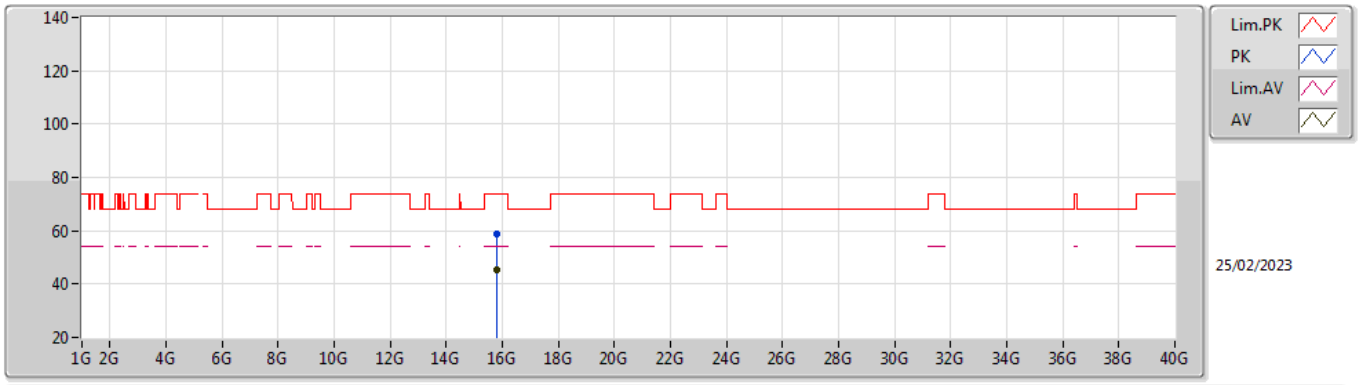


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.77706G	59.39	74.00	-14.61	42.95	3	Vertical	323	1.47	-	37.50	10.41	31.47
AV	15.77622G	45.63	54.00	-8.37	29.19	3	Vertical	323	1.47	-	37.50	10.41	31.47

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5260MHz_TX

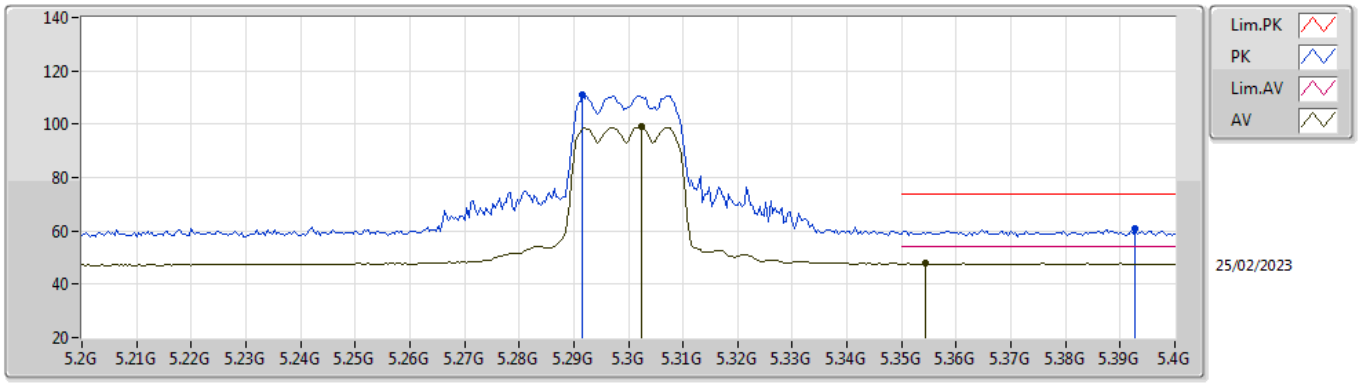


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.78142G	58.88	74.00	-15.12	42.45	3	Horizontal	338	2.70	-	37.50	10.41	31.48
AV	15.78196G	45.49	54.00	-8.51	29.06	3	Horizontal	338	2.70	-	37.50	10.41	31.48

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TX

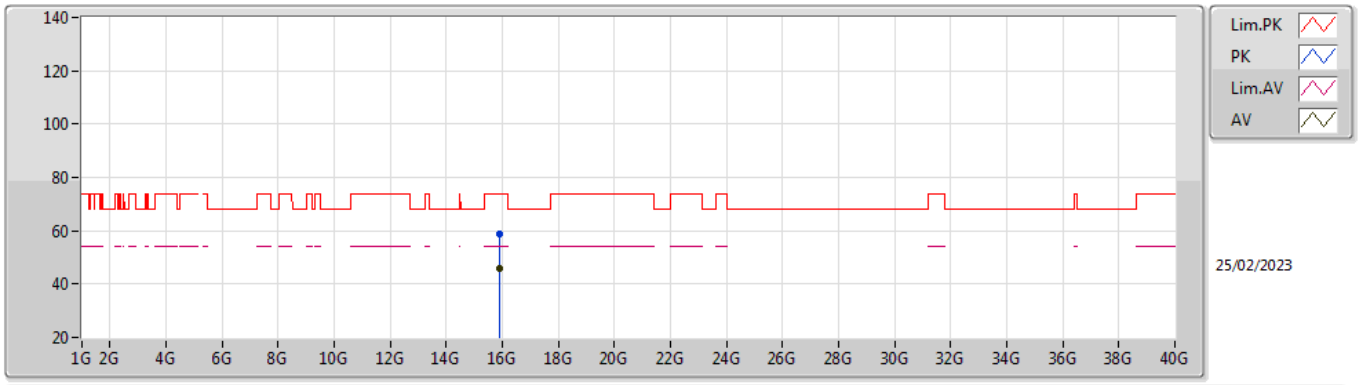


EUT Y_2TX
Setting 15.5
02-E-S-5-10

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	5.2916G	110.79	Inf	-Inf	101.88	3	Vertical	348	1.77	-	33.78	5.85	30.72
AV	5.3024G	99.04	Inf	-Inf	90.11	3	Vertical	348	1.77	-	33.80	5.85	30.72
PK	5.3928G	60.62	74.00	-13.38	51.45	3	Vertical	348	1.77	-	33.99	5.90	30.72
AV	5.3544G	47.79	54.00	-6.21	38.72	3	Vertical	348	1.77	-	33.91	5.88	30.72

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TX

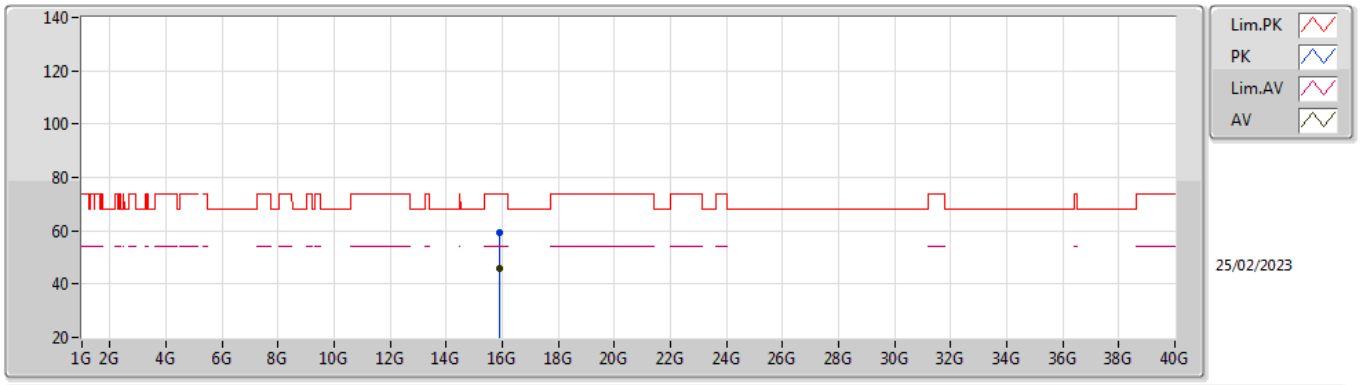


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.90396G	59.02	74.00	-14.98	42.80	3	Vertical	243	2.36	-	37.30	10.46	31.54
AV	15.90466G	45.69	54.00	-8.31	29.47	3	Vertical	243	2.36	-	37.30	10.46	31.54

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5300MHz_TX

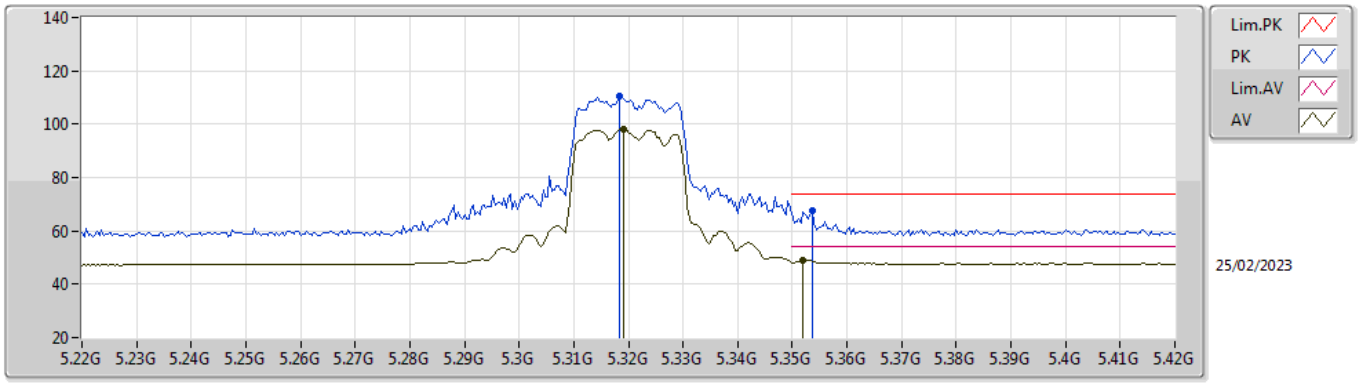


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.89732G	59.23	74.00	-14.77	43.00	3	Horizontal	98	1.79	-	37.31	10.46	31.54
AV	15.90256G	45.64	54.00	-8.36	29.42	3	Horizontal	98	1.79	-	37.30	10.46	31.54

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TX

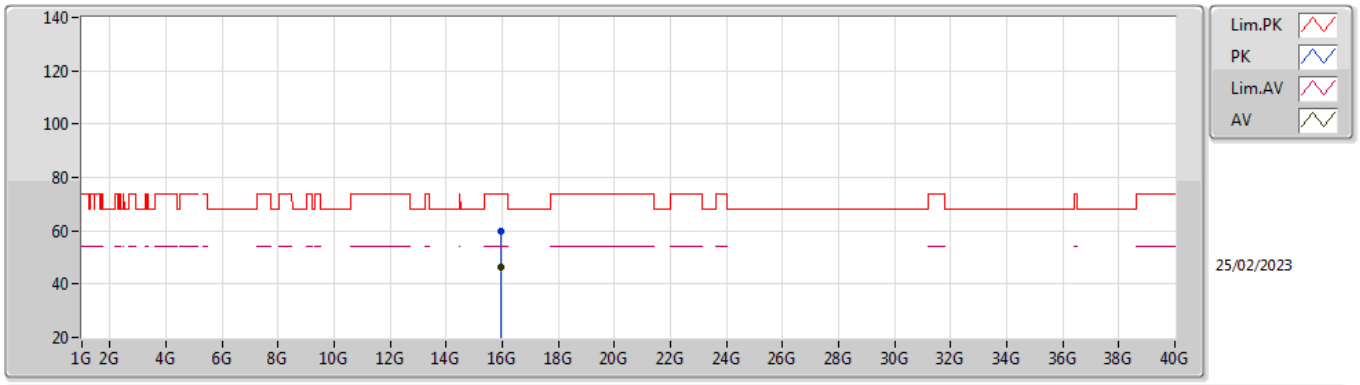


EUT Y_2TX
Setting 15.5
02-E-S-5-10

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	5.3184G	110.65	Inf	-Inf	101.67	3	Vertical	348	1.74	-	33.84	5.86	30.72
AV	5.3192G	98.29	Inf	-Inf	89.31	3	Vertical	348	1.74	-	33.84	5.86	30.72
PK	5.3536G	67.46	74.00	-6.54	58.39	3	Vertical	348	1.74	-	33.91	5.88	30.72
AV	5.352G	48.81	54.00	-5.19	39.75	3	Vertical	348	1.74	-	33.90	5.88	30.72

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TX

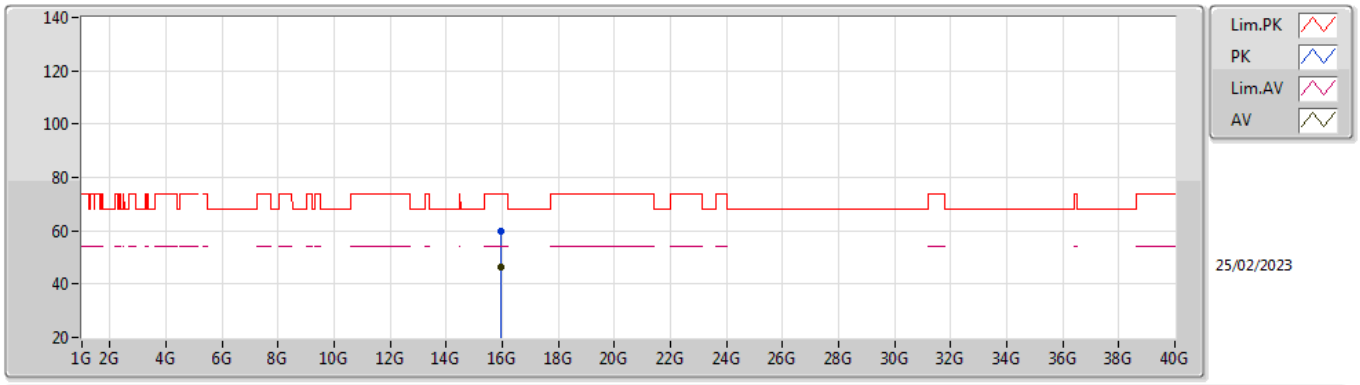


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.95844G	59.66	74.00	-14.34	43.45	3	Vertical	317	2.55	-	37.30	10.48	31.57
AV	15.95882G	46.47	54.00	-7.53	30.26	3	Vertical	317	2.55	-	37.30	10.48	31.57

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5320MHz_TX

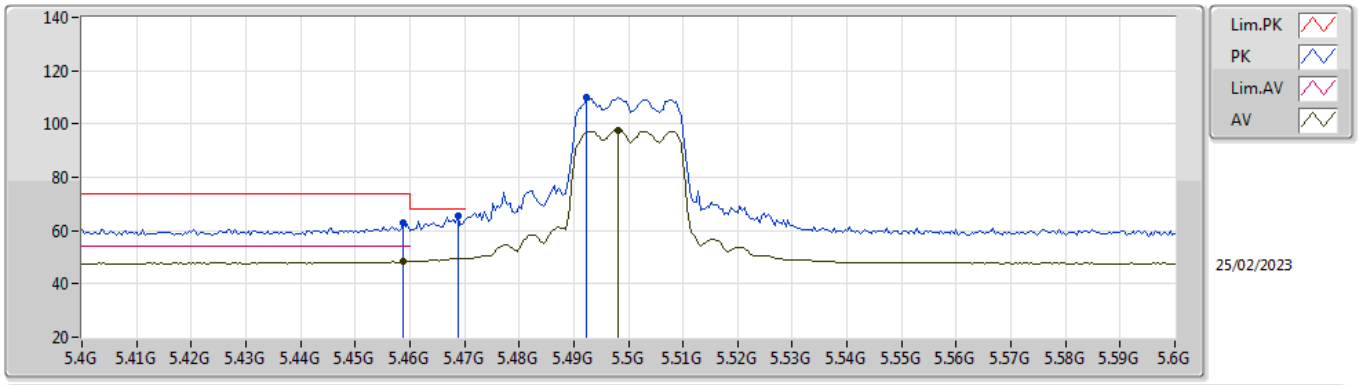


EUT Y_2TX
Setting 15.5
02-E-S-5

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	15.95688G	59.61	74.00	-14.39	43.40	3	Horizontal	356	2.18	-	37.30	10.48	31.57
AV	15.95588G	46.49	54.00	-7.51	30.28	3	Horizontal	356	2.18	-	37.30	10.48	31.57

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5500MHz_TX

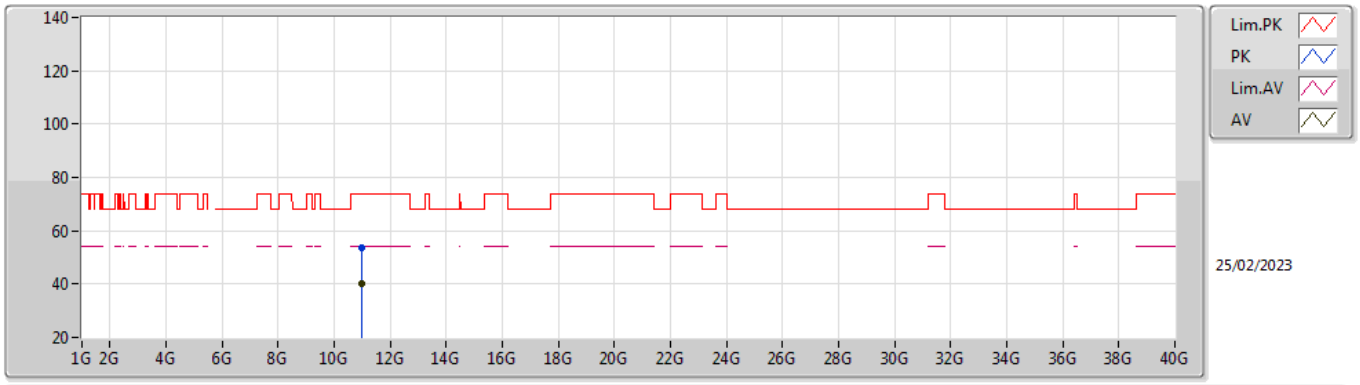


EUT Y_2TX
Setting 14
02-E-S-5-10

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	5.4588G	62.95	74.00	-11.05	53.71	3	Vertical	39	1.80	-	34.00	5.96	30.72
AV	5.4588G	48.28	54.00	-5.72	39.04	3	Vertical	39	1.80	-	34.00	5.96	30.72
PK	5.4688G	65.56	68.20	-2.64	56.31	3	Vertical	39	1.80	-	34.00	5.97	30.72
PK	5.4924G	109.92	Inf	-Inf	100.65	3	Vertical	39	1.80	-	34.00	5.99	30.72
AV	5.498G	97.68	Inf	-Inf	88.40	3	Vertical	39	1.80	-	34.00	6.00	30.72

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5500MHz_TX

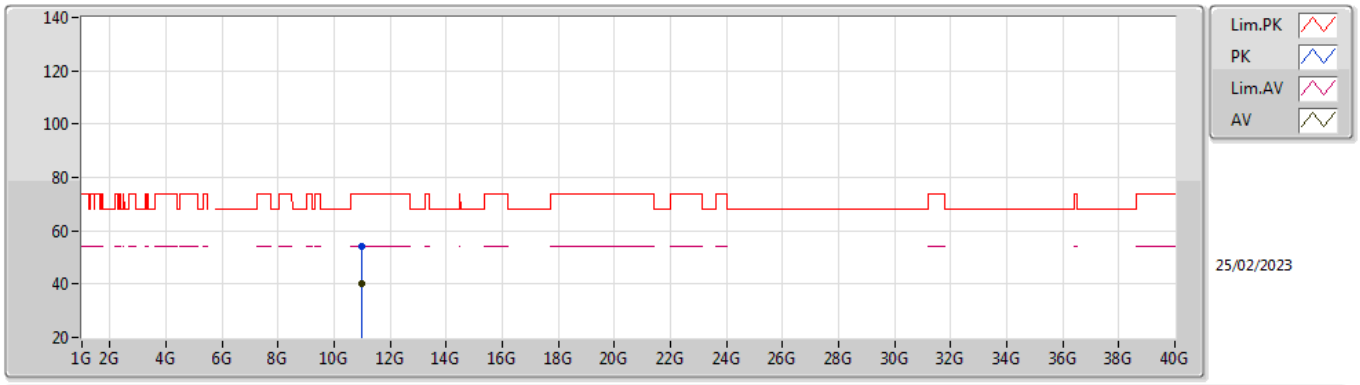


EUT Y_2TX
Setting 14
02-E-S-5

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	11.0013G	53.59	74.00	-20.41	38.26	3	Vertical	212	2.07	-	38.60	8.65	31.92
AV	10.99592G	39.93	54.00	-14.07	24.60	3	Vertical	212	2.07	-	38.60	8.65	31.92

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5500MHz_TX

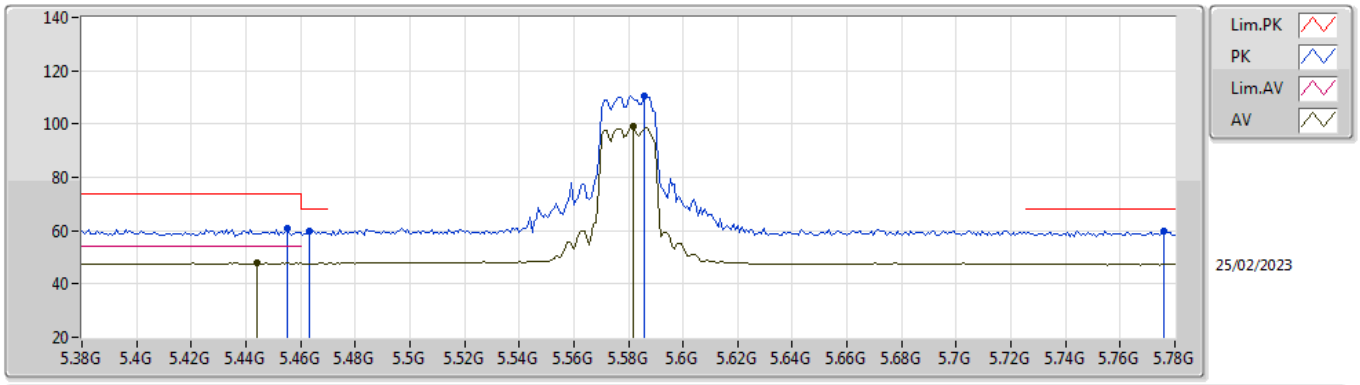


EUT Y_2TX
Setting 14
02-E-S-5

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	10.9963G	53.89	74.00	-20.11	38.56	3	Horizontal	278	2.32	-	38.60	8.65	31.92
AV	11.001G	39.98	54.00	-14.02	24.65	3	Horizontal	278	2.32	-	38.60	8.65	31.92

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5580MHz_TX

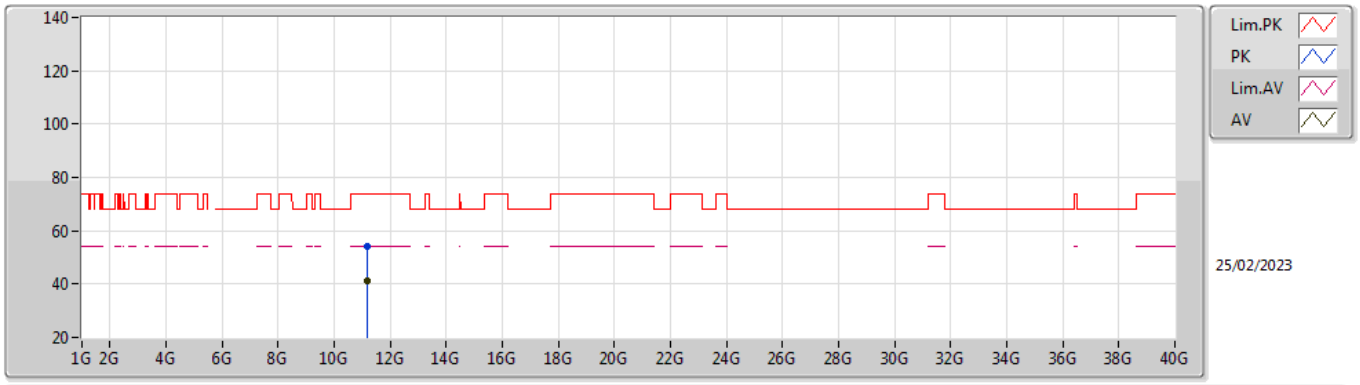


EUT Y_2TX
Setting 14.5
02-E-S-5-10

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	5.4552G	60.95	74.00	-13.05	51.71	3	Vertical	8	1.57	-	34.00	5.96	30.72
AV	5.444G	47.94	54.00	-6.06	38.72	3	Vertical	8	1.57	-	34.00	5.94	30.72
PK	5.4632G	60.07	68.20	-8.13	50.83	3	Vertical	8	1.57	-	34.00	5.96	30.72
PK	5.5856G	110.48	Inf	-Inf	101.25	3	Vertical	8	1.57	-	33.93	6.09	30.79
AV	5.5816G	98.98	Inf	-Inf	89.74	3	Vertical	8	1.57	-	33.94	6.08	30.78
PK	5.776G	59.89	68.20	-8.31	50.92	3	Vertical	8	1.57	-	33.80	6.10	30.93

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5580MHz_TX



EUT Y_2TX
Setting 14.5
02-E-S-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	11.15872G	54.34	74.00	-19.66	38.85	3	Vertical	128	1.13	-	38.76	8.71	31.98
AV	11.16106G	41.02	54.00	-12.98	25.53	3	Vertical	128	1.13	-	38.76	8.71	31.98

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

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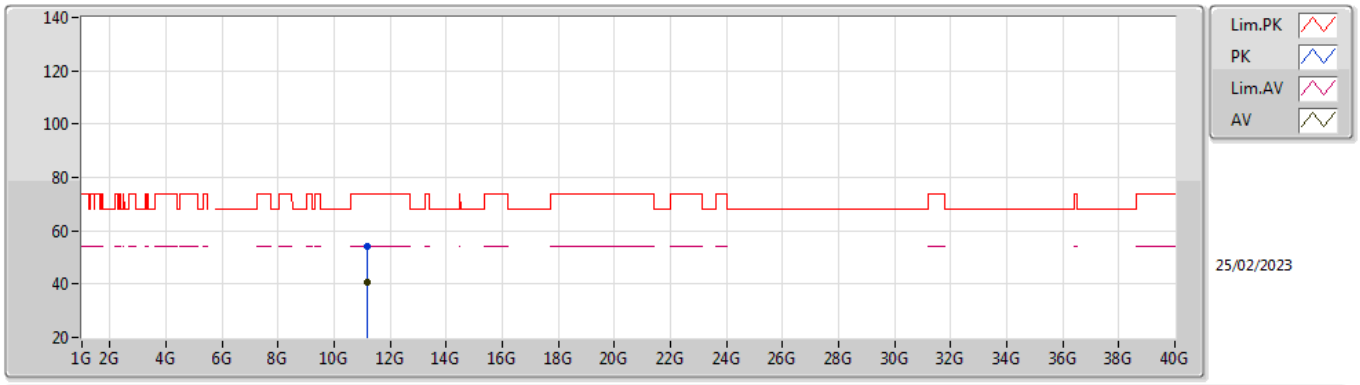
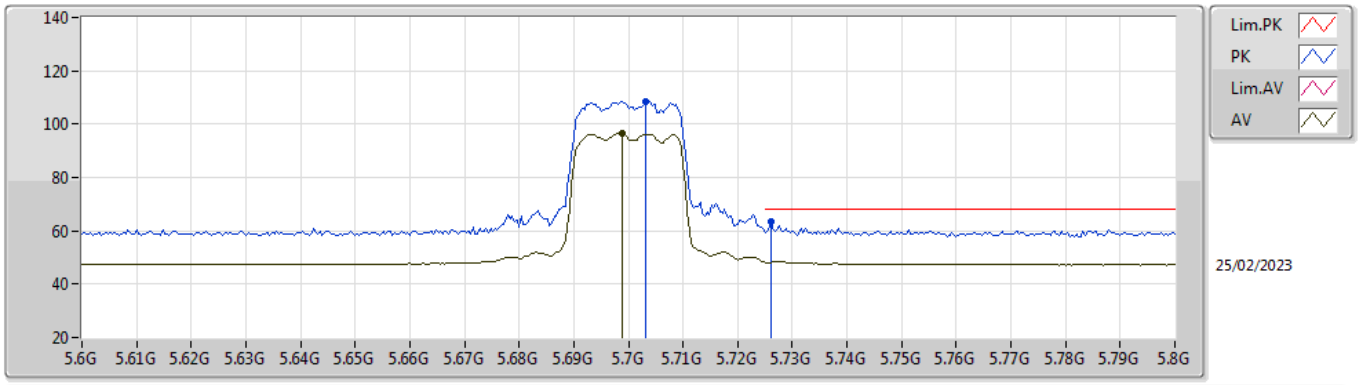


EUT Y_2TX
Setting 14.5
02-E-S-5

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	11.16112G	53.89	74.00	-20.11	38.40	3	Horizontal	49	1.43	-	38.76	8.71	31.98
AV	11.15768G	40.84	54.00	-13.16	25.35	3	Horizontal	49	1.43	-	38.76	8.71	31.98

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX

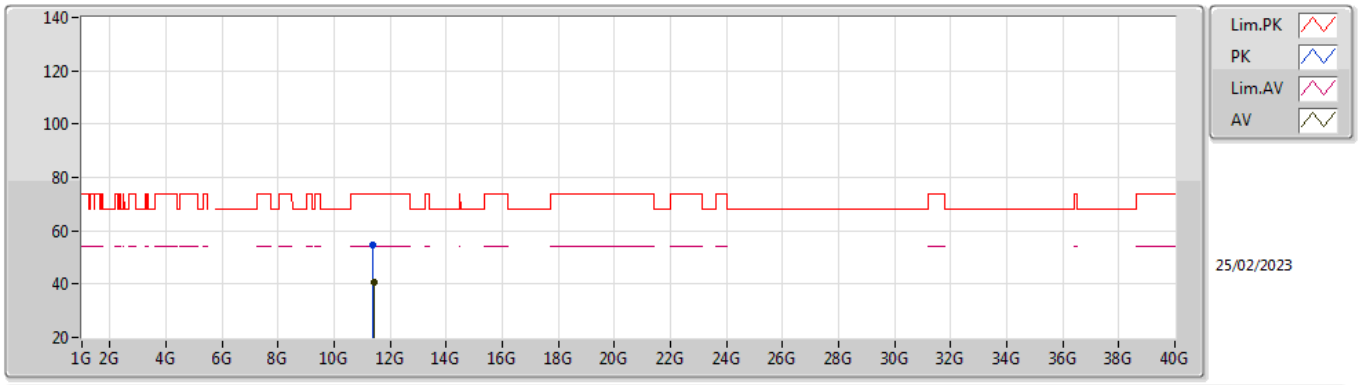


EUT Y_2TX
Setting 13.5
02-E-S-5-10

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	5.7032G	108.55	Inf	-Inf	99.43	3	Vertical	42	1.94	-	33.89	6.10	30.87
AV	5.6988G	96.75	Inf	-Inf	87.62	3	Vertical	42	1.94	-	33.90	6.10	30.87
PK	5.726G	63.49	68.20	-4.71	54.43	3	Vertical	42	1.94	-	33.85	6.10	30.89

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX

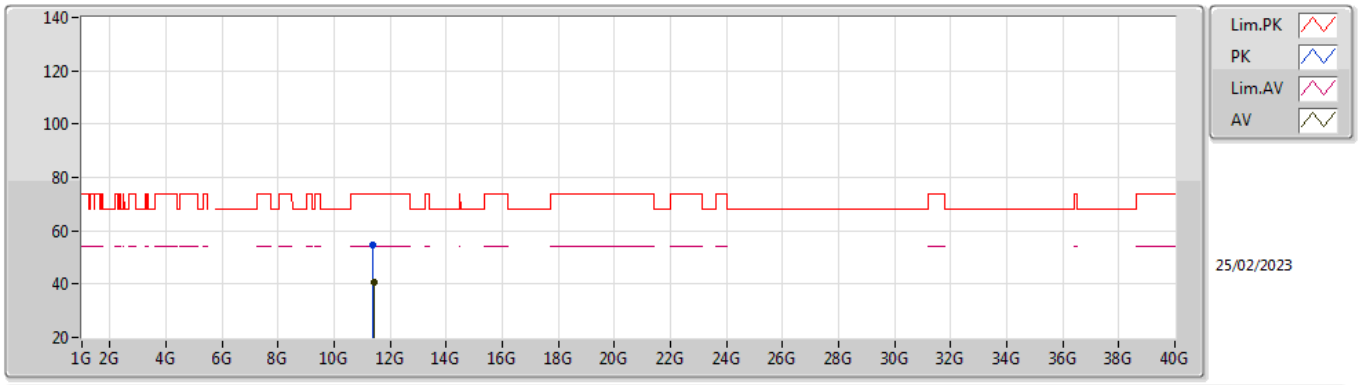


EUT Y_2TX
Setting 13.5
02-E-S-5

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	11.39738G	54.75	74.00	-19.25	39.24	3	Vertical	76	1.20	-	38.80	8.79	32.08
AV	11.40486G	40.91	54.00	-13.09	25.39	3	Vertical	76	1.20	-	38.81	8.79	32.08

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5700MHz_TX

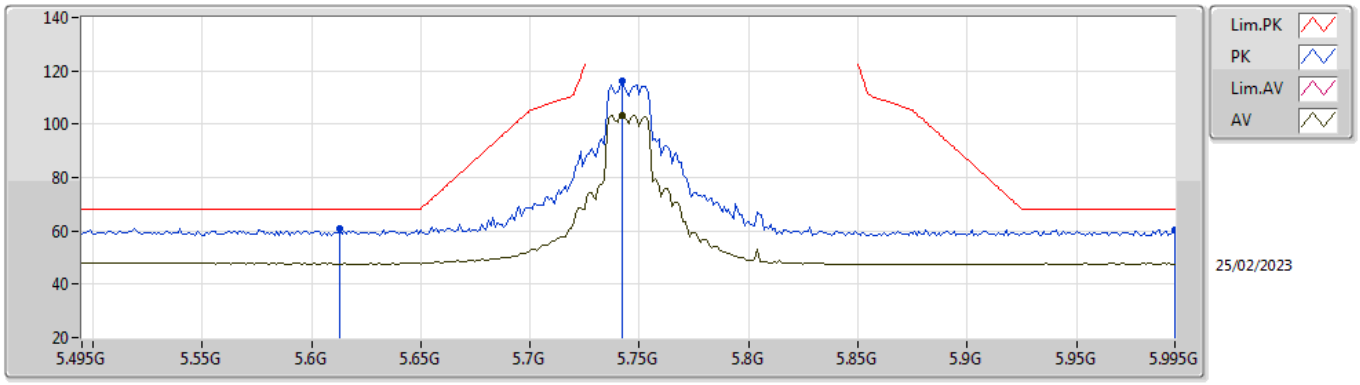


EUT Y_2TX
Setting 13.5
02-E-S-5

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	11.39788G	54.42	74.00	-19.58	38.91	3	Horizontal	105	1.85	-	38.80	8.79	32.08
AV	11.40268G	40.89	54.00	-13.11	25.37	3	Horizontal	105	1.85	-	38.81	8.79	32.08

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

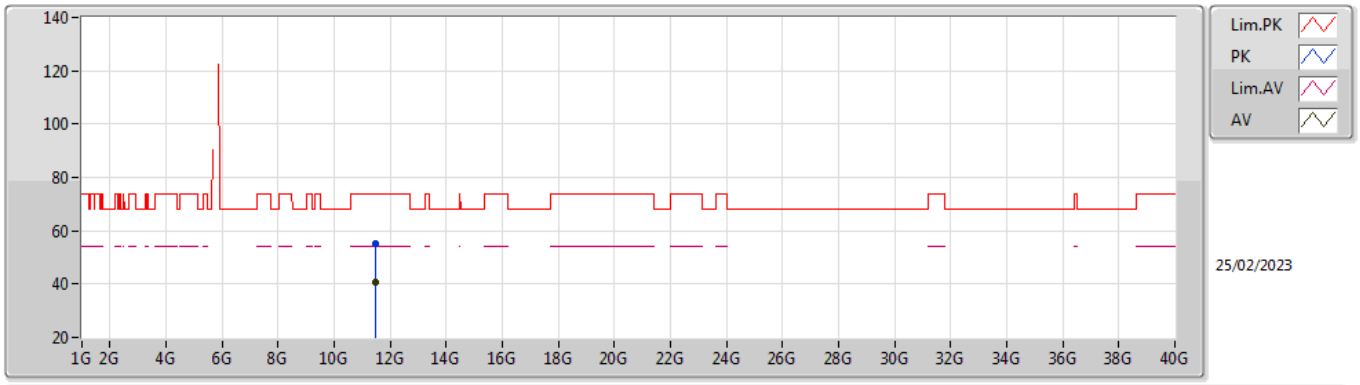


EUT Y_2TX
Setting 24
02-E-S-5-10

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	5.613G	61.07	68.20	-7.13	51.91	3	Vertical	42	2.01	-	33.87	6.10	30.81
PK	5.742G	116.16	Inf	-Inf	107.14	3	Vertical	42	2.01	-	33.82	6.10	30.90
AV	5.742G	103.38	Inf	-Inf	94.36	3	Vertical	42	2.01	-	33.82	6.10	30.90
PK	5.995G	60.33	68.20	-7.87	50.94	3	Vertical	42	2.01	-	34.20	6.29	31.10

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

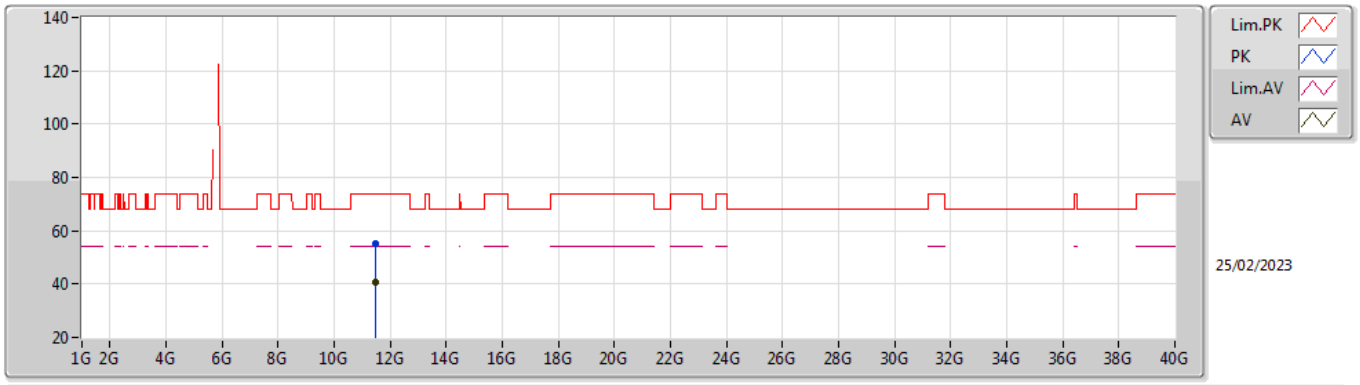


EUT Y_2TX
Setting 24
02-E-S-5

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	11.49028G	55.26	74.00	-18.74	39.58	3	Vertical	340	1.41	-	38.98	8.82	32.12
AV	11.48812G	40.69	54.00	-13.31	25.01	3	Vertical	340	1.41	-	38.98	8.82	32.12

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5745MHz_TX

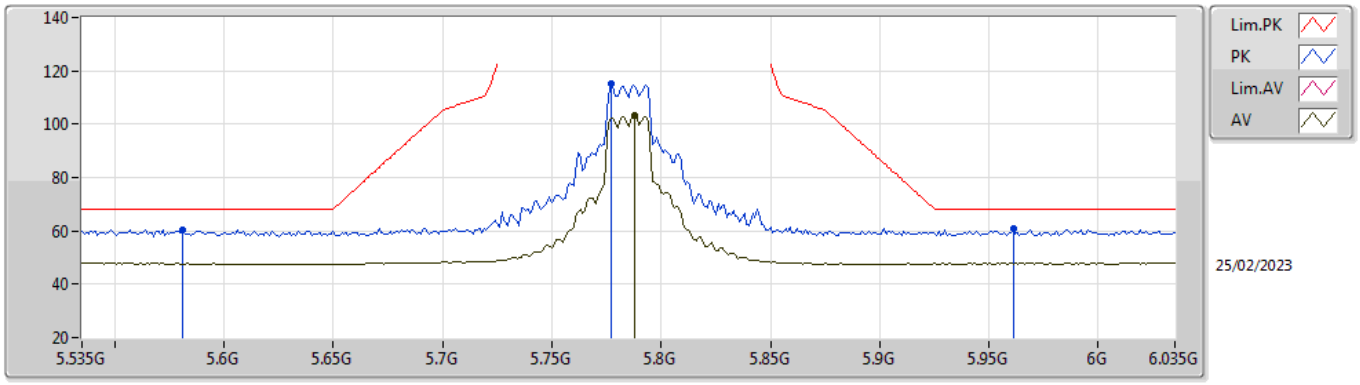


EUT Y_2TX
Setting 24
02-E-S-5

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	11.49186G	54.94	74.00	-19.06	39.26	3	Horizontal	24	1.98	-	38.98	8.82	32.12
AV	11.49256G	40.68	54.00	-13.32	24.99	3	Horizontal	24	1.98	-	38.99	8.82	32.12

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

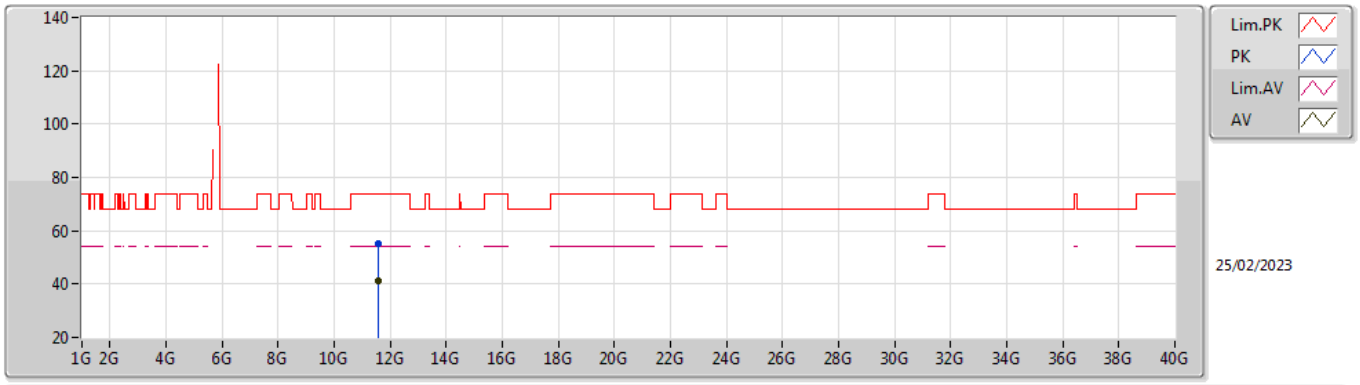


EUT Y_2TX
Setting 24
02-E-S-5-10

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	5.581G	60.58	68.20	-7.62	51.34	3	Vertical	13	1.79	-	33.94	6.08	30.78
PK	5.777G	115.08	Inf	-Inf	106.11	3	Vertical	13	1.79	-	33.80	6.10	30.93
AV	5.788G	103.46	Inf	-Inf	94.50	3	Vertical	13	1.79	-	33.80	6.10	30.94
PK	5.961G	60.66	68.20	-7.54	51.27	3	Vertical	13	1.79	-	34.20	6.26	31.07

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

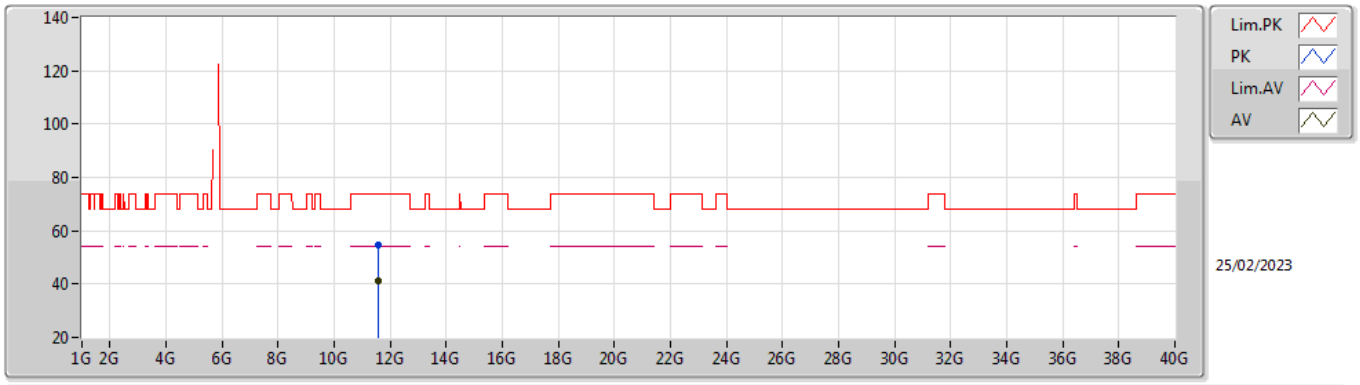


EUT Y_2TX
Setting 24
02-E-S-5

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	11.56664G	55.40	74.00	-18.60	39.51	3	Vertical	225	2.37	-	39.20	8.85	32.16
AV	11.5702G	41.06	54.00	-12.94	25.16	3	Vertical	225	2.37	-	39.21	8.85	32.16

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5785MHz_TX

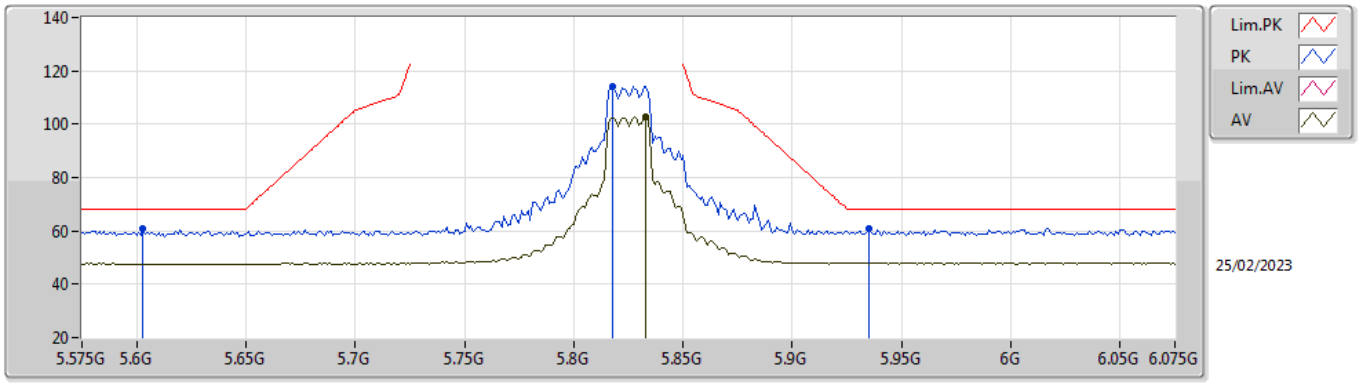


EUT Y_2TX
Setting 24
02-E-S-5

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	11.57212G	54.73	74.00	-19.27	38.82	3	Horizontal	176	1.72	-	39.22	8.85	32.16
AV	11.57058G	41.05	54.00	-12.95	25.15	3	Horizontal	176	1.72	-	39.21	8.85	32.16

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

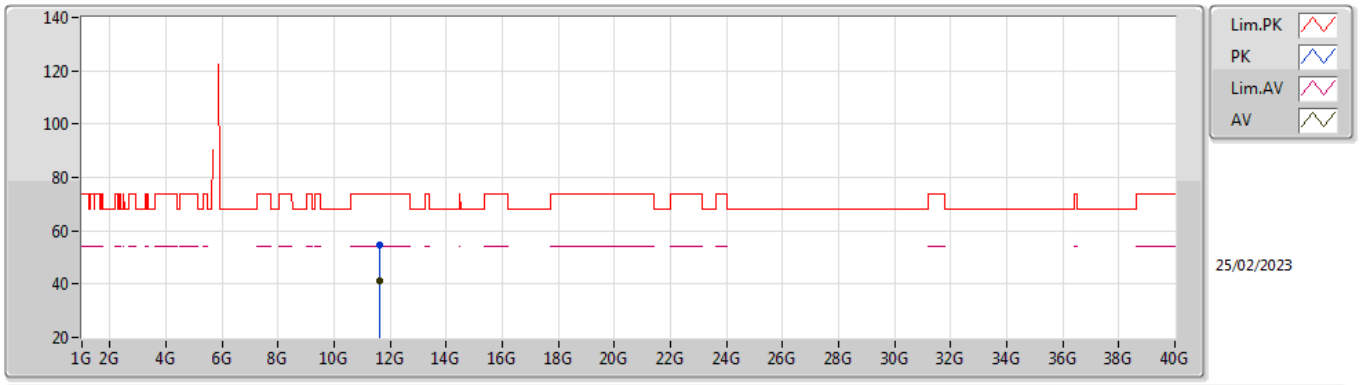


EUT Y_2TX
Setting 24
02-E-S-5-10

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	5.603G	60.88	68.20	-7.32	51.69	3	Vertical	14	1.76	-	33.89	6.10	30.80
PK	5.818G	114.38	Inf	-Inf	105.43	3	Vertical	14	1.76	-	33.80	6.11	30.96
AV	5.833G	102.98	Inf	-Inf	94.03	3	Vertical	14	1.76	-	33.80	6.12	30.97
PK	5.935G	60.95	68.20	-7.25	51.60	3	Vertical	14	1.76	-	34.17	6.23	31.05

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

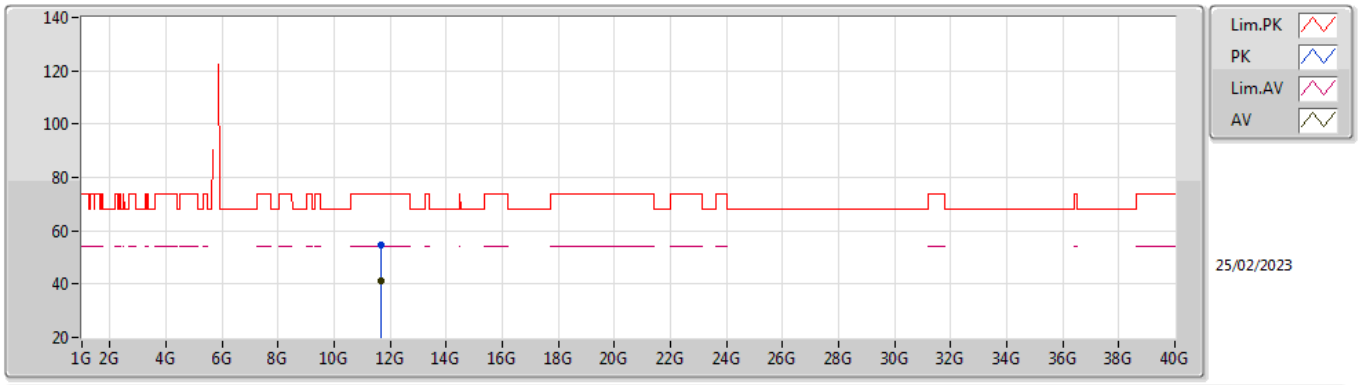


EUT Y_2TX
Setting 24
02-E-S-5

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	11.64608G	54.82	74.00	-19.18	38.75	3	Vertical	172	1.06	-	39.39	8.88	32.20
AV	11.64632G	41.36	54.00	-12.64	25.29	3	Vertical	172	1.06	-	39.39	8.88	32.20

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

5825MHz_TX

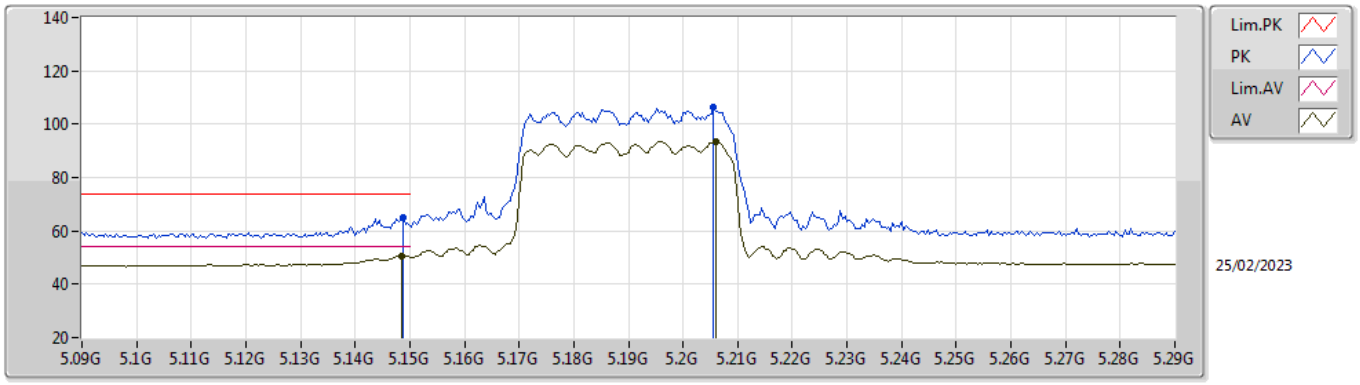


EUT Y_2TX
Setting 24
02-E-S-5

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	11.6493G	54.84	74.00	-19.16	38.77	3	Horizontal	197	2.53	-	39.40	8.88	32.21
AV	11.6549G	41.28	54.00	-12.72	25.20	3	Horizontal	197	2.53	-	39.41	8.88	32.21

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

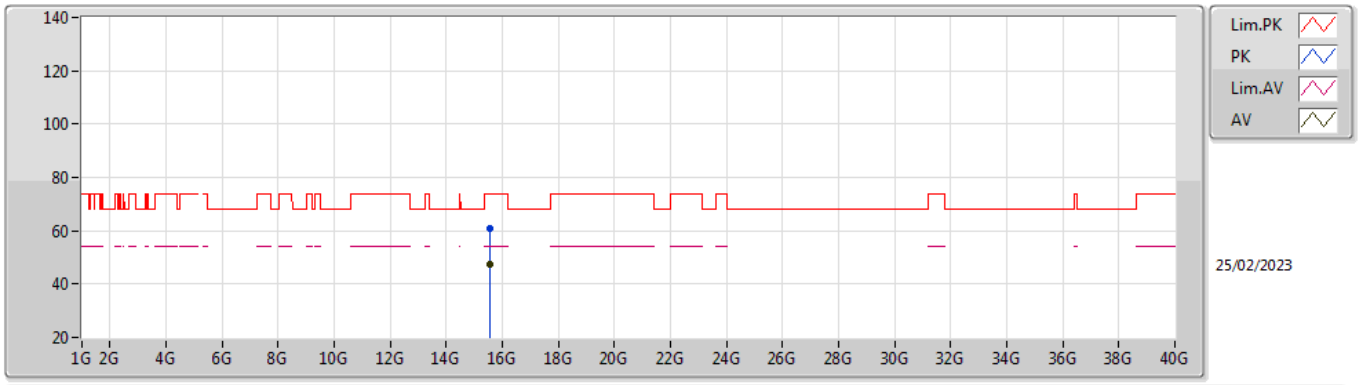


EUT Y_2TX
Setting 13.5
02-E-S-5-10

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	5.1488G	64.82	74.00	-9.18	56.18	3	Vertical	344	1.69	-	33.60	5.77	30.73
AV	5.1484G	50.76	54.00	-3.24	42.12	3	Vertical	344	1.69	-	33.60	5.77	30.73
PK	5.2056G	106.38	Inf	-Inf	97.61	3	Vertical	344	1.69	-	33.70	5.80	30.73
AV	5.206G	93.58	Inf	-Inf	84.81	3	Vertical	344	1.69	-	33.70	5.80	30.73

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

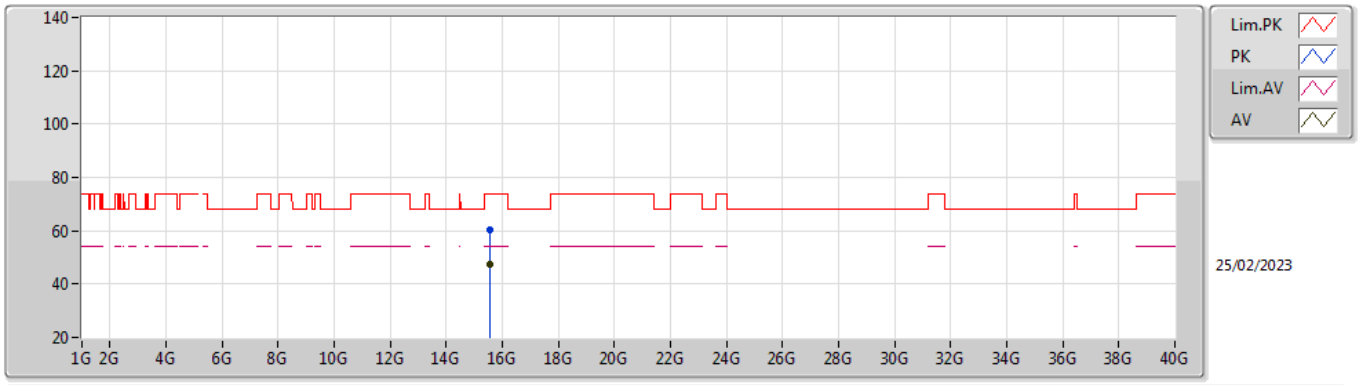


EUT Y_2TX
Setting 13.5
02-E-S-5

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	15.57498G	60.95	74.00	-13.05	44.34	3	Vertical	174	2.95	-	37.65	10.33	31.37
AV	15.56586G	47.53	54.00	-6.47	30.86	3	Vertical	174	2.95	-	37.70	10.33	31.36

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

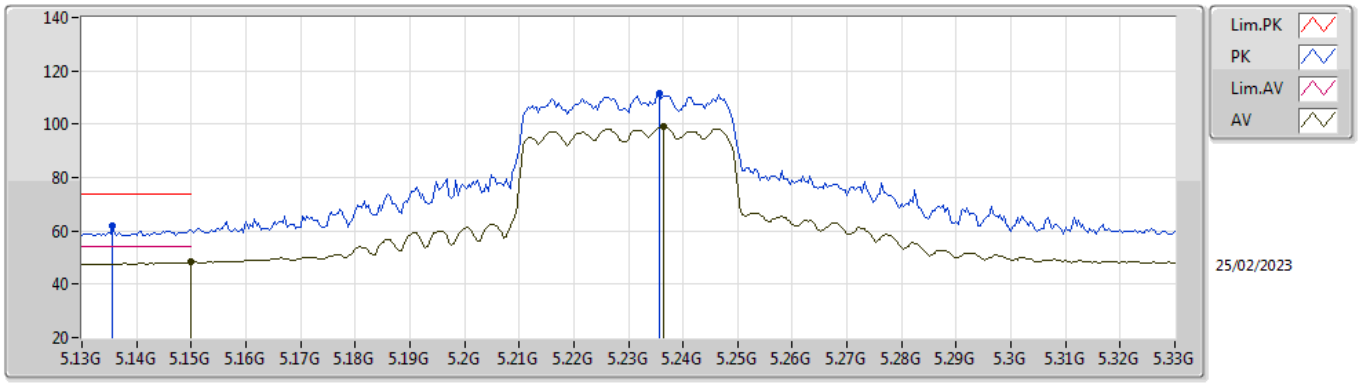


EUT Y_2TX
Setting 13.5
02-E-S-5

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	15.57006G	60.41	74.00	-13.59	43.77	3	Horizontal	249	1.39	-	37.68	10.33	31.37
AV	15.57136G	47.58	54.00	-6.42	30.95	3	Horizontal	249	1.39	-	37.67	10.33	31.37

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

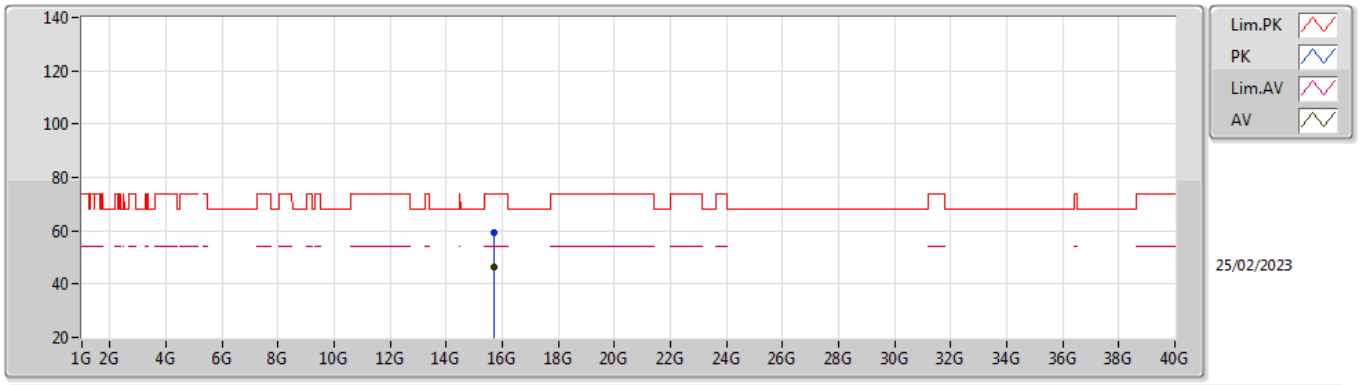


EUT Y_2TX
Setting 20
02-E-S-5-10

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	5.1356G	61.77	74.00	-12.23	53.16	3	Vertical	345	1.78	-	33.57	5.77	30.73
AV	5.15G	48.31	54.00	-5.69	39.66	3	Vertical	345	1.78	-	33.60	5.78	30.73
PK	5.2356G	111.47	Inf	-Inf	102.68	3	Vertical	345	1.78	-	33.70	5.82	30.73
AV	5.2364G	99.28	Inf	-Inf	90.49	3	Vertical	345	1.78	-	33.70	5.82	30.73

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

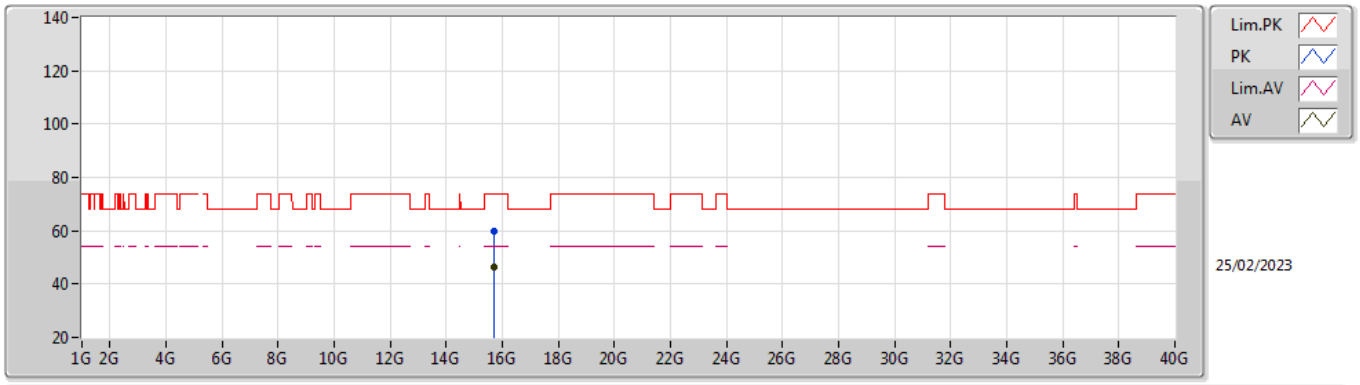


EUT Y_2TX
Setting 20
02-E-S-5

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	15.68684G	59.52	74.00	-14.48	43.08	3	Vertical	104	2.96	-	37.50	10.37	31.43
AV	15.68702G	46.50	54.00	-7.50	30.06	3	Vertical	104	2.96	-	37.50	10.37	31.43

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

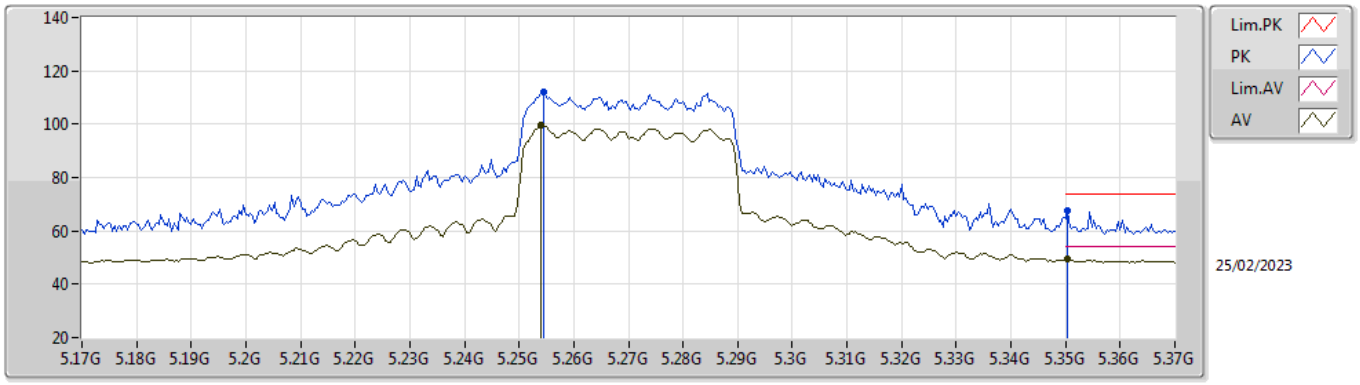


EUT Y_2TX
Setting 20
02-E-S-5

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	15.69352G	59.98	74.00	-14.02	43.53	3	Horizontal	82	2.77	-	37.50	10.38	31.43
AV	15.6948G	46.45	54.00	-7.55	30.00	3	Horizontal	82	2.77	-	37.50	10.38	31.43

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TX

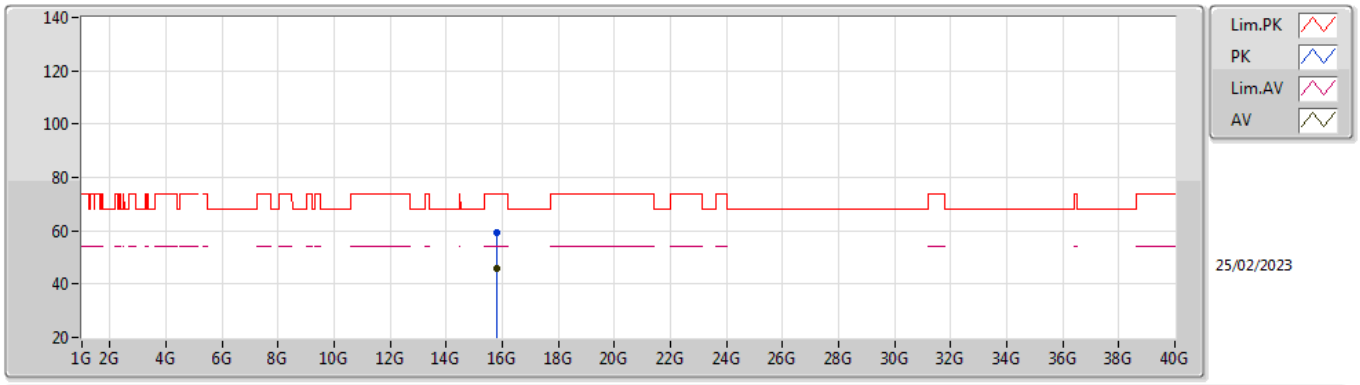


EUT Y_2TX
Setting 20
02-E-S-5-10

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	5.2544G	111.84	Inf	-Inf	103.02	3	Vertical	348	1.50	-	33.71	5.83	30.72
AV	5.254G	99.48	Inf	-Inf	90.66	3	Vertical	348	1.50	-	33.71	5.83	30.72
PK	5.3504G	67.43	74.00	-6.57	58.37	3	Vertical	348	1.50	-	33.90	5.88	30.72
AV	5.3504G	49.35	54.00	-4.65	40.29	3	Vertical	348	1.50	-	33.90	5.88	30.72

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TX

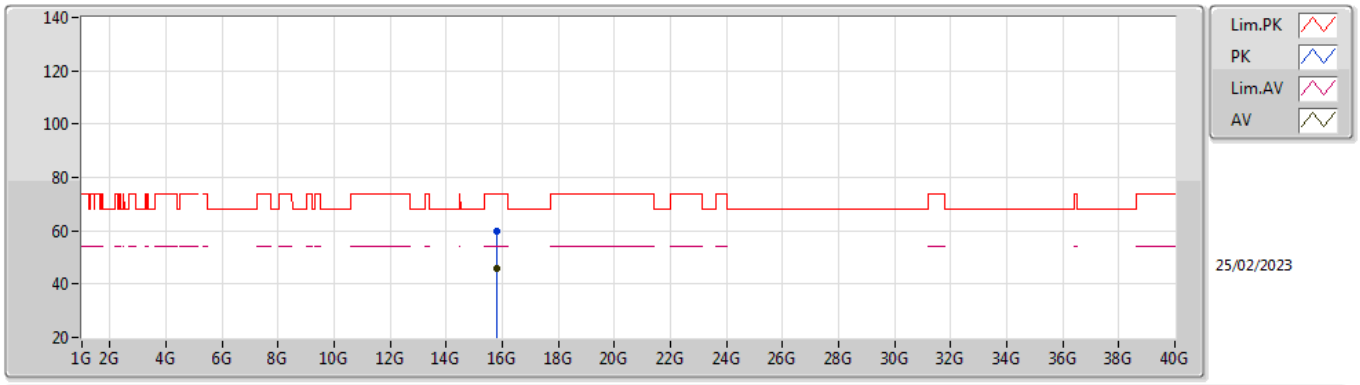


EUT Y_2TX
Setting 20
02-E-S-5

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	15.8093G	59.15	74.00	-14.85	42.74	3	Vertical	37	1.11	-	37.48	10.42	31.49
AV	15.81084G	45.94	54.00	-8.06	29.53	3	Vertical	37	1.11	-	37.48	10.42	31.49

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5270MHz_TX

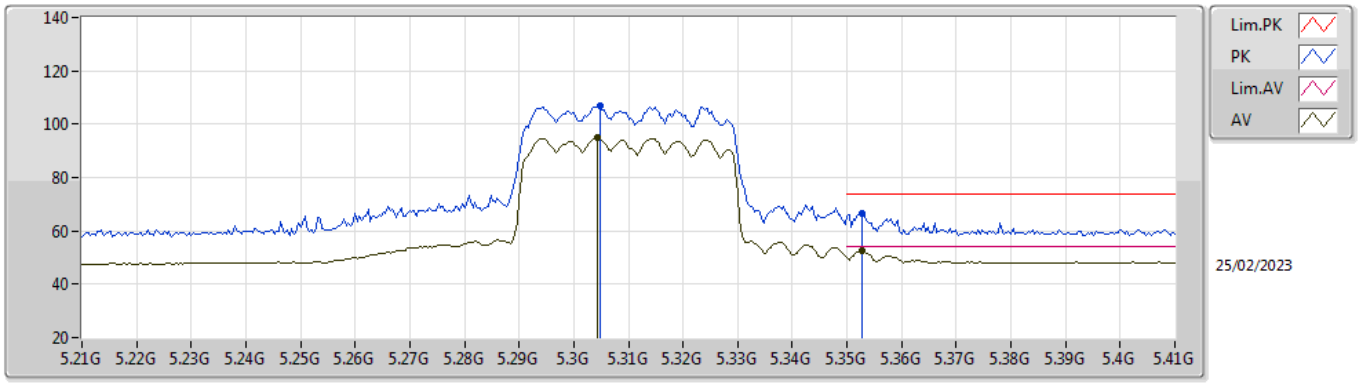


EUT Y_2TX
Setting 20
02-E-S-5

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	15.81488G	59.80	74.00	-14.20	43.39	3	Horizontal	96	2.57	-	37.47	10.43	31.49
AV	15.80866G	45.78	54.00	-8.22	29.37	3	Horizontal	96	2.57	-	37.48	10.42	31.49

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TX

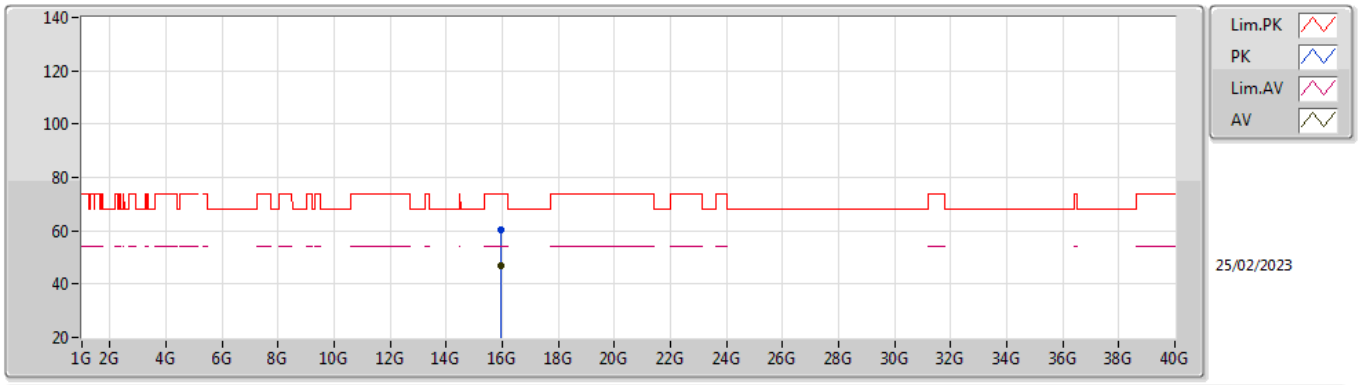


EUT Y_2TX
Setting 14.5
02-E-S-5-10

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	5.3048G	106.90	Inf	-Inf	97.96	3	Vertical	346	1.78	-	33.81	5.85	30.72
AV	5.3044G	95.15	Inf	-Inf	86.21	3	Vertical	346	1.78	-	33.81	5.85	30.72
PK	5.3528G	66.73	74.00	-7.27	57.66	3	Vertical	346	1.78	-	33.91	5.88	30.72
AV	5.3528G	52.39	54.00	-1.61	43.32	3	Vertical	346	1.78	-	33.91	5.88	30.72

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TX

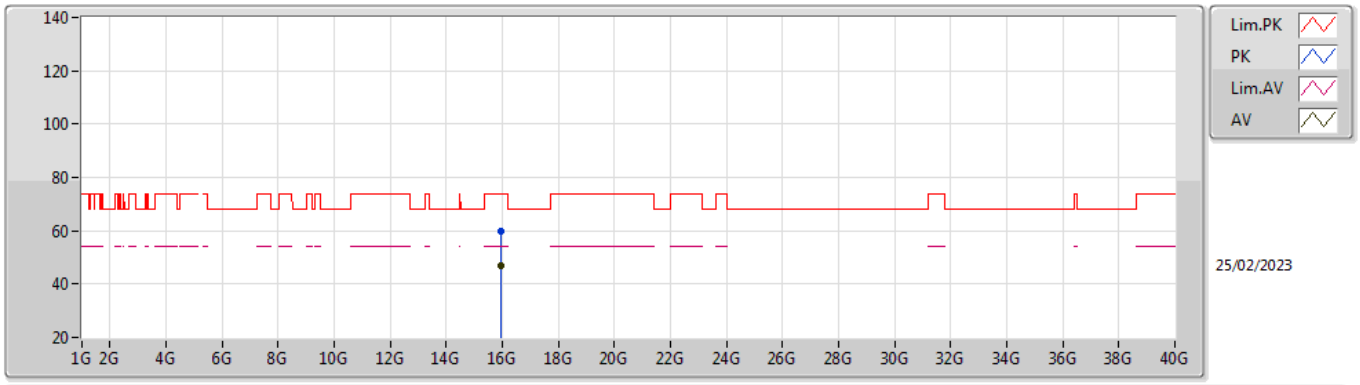


EUT Y_2TX
Setting 14.5
02-E-S-5

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	15.9331G	60.14	74.00	-13.86	43.93	3	Vertical	230	2.51	-	37.30	10.47	31.56
AV	15.92698G	46.87	54.00	-7.13	30.65	3	Vertical	230	2.51	-	37.30	10.47	31.55

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TX

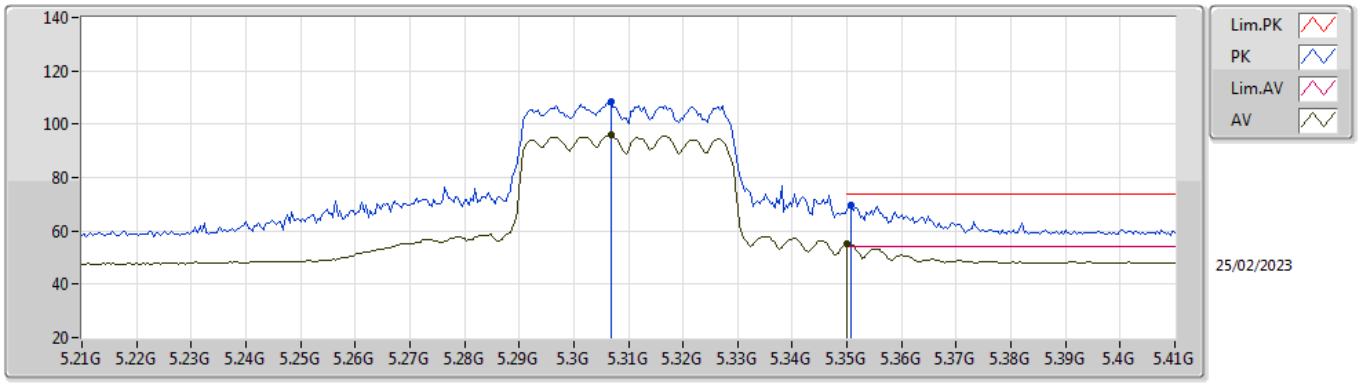


EUT Y_2TX
Setting 14.5
02-E-S-5

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	15.93496G	60.04	74.00	-13.96	43.83	3	Horizontal	315	2.72	-	37.30	10.47	31.56
AV	15.93336G	46.88	54.00	-7.12	30.67	3	Horizontal	315	2.72	-	37.30	10.47	31.56

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5310MHz_TX

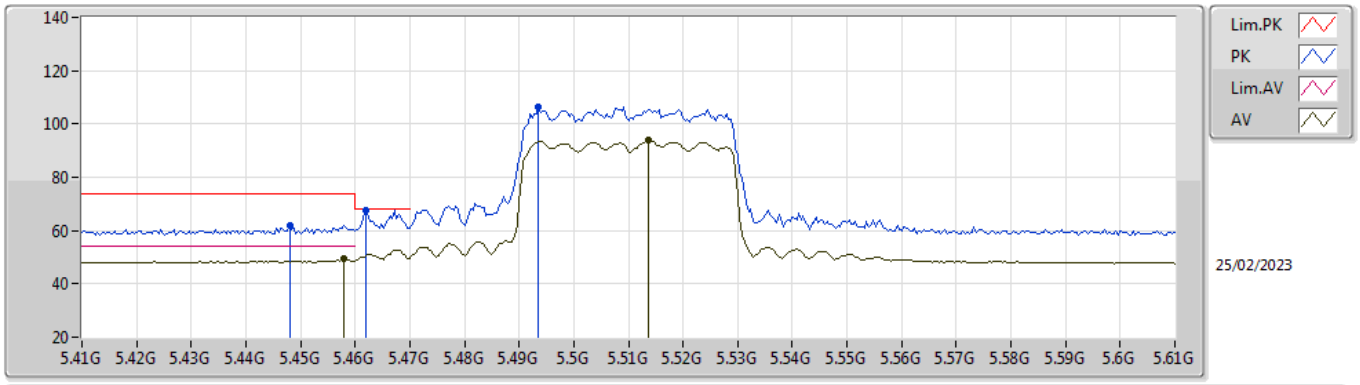


EUT Y_2TX
Setting 15.5
02-E-S-5-10

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	5.3068G	108.44	Inf	-Inf	99.50	3	Vertical	346	1.78	-	33.81	5.85	30.72
AV	5.3068G	95.91	Inf	-Inf	86.97	3	Vertical	346	1.78	-	33.81	5.85	30.72
PK	5.3508G	69.78	74.00	-4.22	60.72	3	Vertical	346	1.78	-	33.90	5.88	30.72
AV	5.35G	55.27	54.00	1.27	46.21	3	Vertical	346	1.78	-	33.90	5.88	30.72

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz_TX

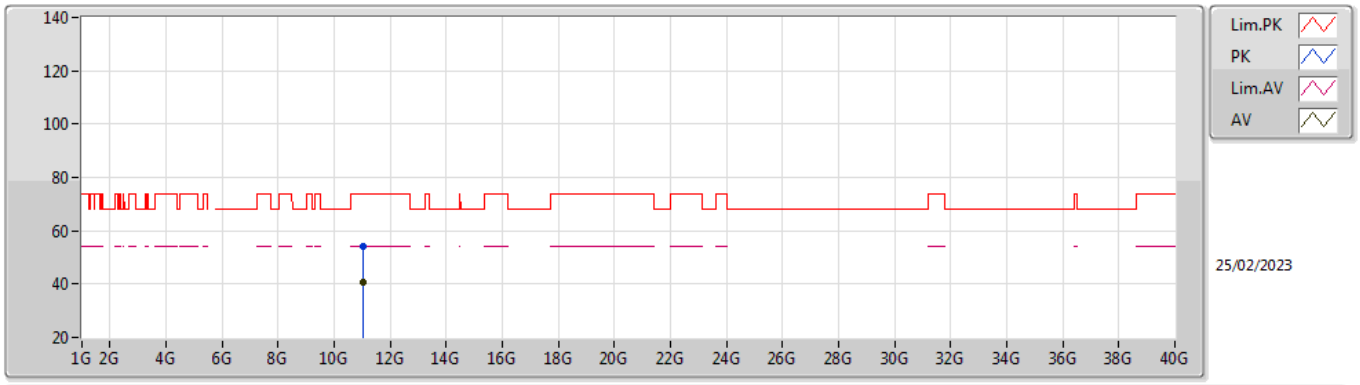


EUT Y_2TX
Setting 12.5
02-E-S-5-10

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	5.448G	62.10	74.00	-11.90	52.87	3	Vertical	39	1.80	-	34.00	5.95	30.72
PK	5.462G	67.66	68.20	-0.54	58.42	3	Vertical	39	1.80	-	34.00	5.96	30.72
AV	5.458G	49.31	54.00	-4.69	40.07	3	Vertical	39	1.80	-	34.00	5.96	30.72
PK	5.4936G	106.23	Inf	-Inf	96.96	3	Vertical	39	1.80	-	34.00	5.99	30.72
AV	5.5136G	93.88	Inf	-Inf	84.60	3	Vertical	39	1.80	-	34.00	6.01	30.73

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz_TX

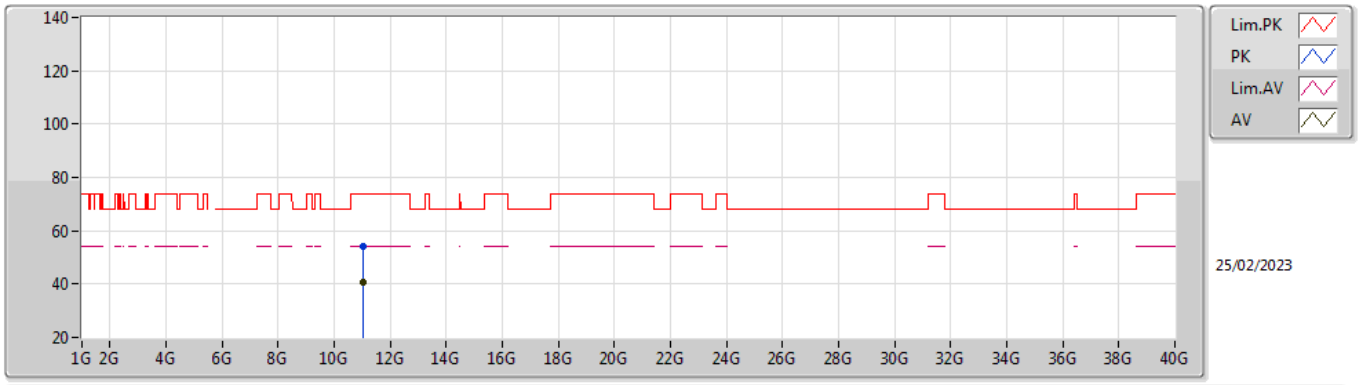


EUT Y_2TX
Setting 12.5
02-E-S-5

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	11.01548G	54.02	74.00	-19.98	38.67	3	Vertical	34	2.58	-	38.62	8.66	31.93
AV	11.01574G	40.75	54.00	-13.25	25.40	3	Vertical	34	2.58	-	38.62	8.66	31.93

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5510MHz_TX

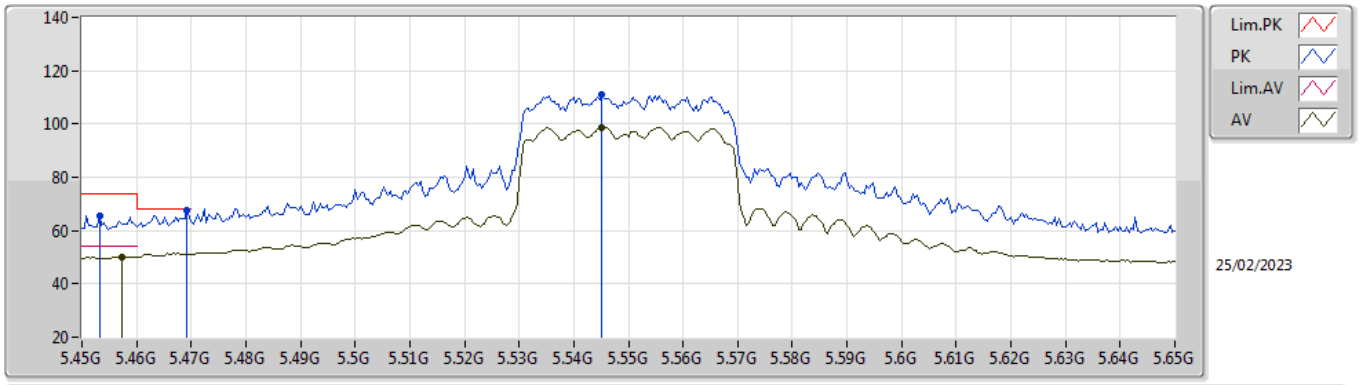


EUT Y_2TX
Setting 12.5
02-E-S-5

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	11.02332G	53.88	74.00	-20.12	38.53	3	Horizontal	235	2.31	-	38.62	8.66	31.93
AV	11.0191G	40.67	54.00	-13.33	25.32	3	Horizontal	235	2.31	-	38.62	8.66	31.93

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5550MHz_TX

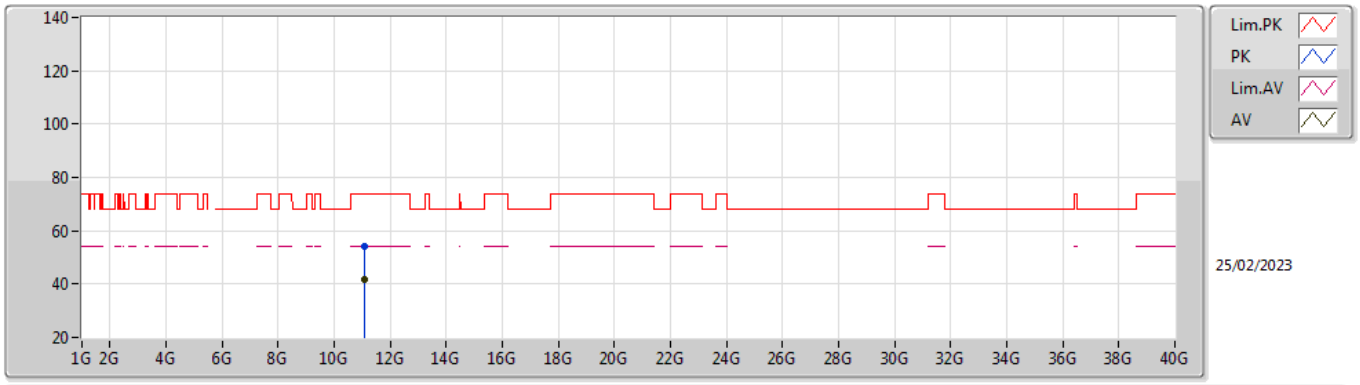


EUT Y_2TX
Setting 20
02-E-S-5-10

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	5.4532G	65.56	74.00	-8.44	56.33	3	Vertical	5	1.82	-	34.00	5.95	30.72
AV	5.4572G	50.18	54.00	-3.82	40.94	3	Vertical	5	1.82	-	34.00	5.96	30.72
PK	5.4692G	67.41	68.20	-0.79	58.16	3	Vertical	5	1.82	-	34.00	5.97	30.72
PK	5.5452G	111.14	Inf	-Inf	101.84	3	Vertical	5	1.82	-	34.00	6.05	30.75
AV	5.5452G	98.86	Inf	-Inf	89.56	3	Vertical	5	1.82	-	34.00	6.05	30.75

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5550MHz_TX

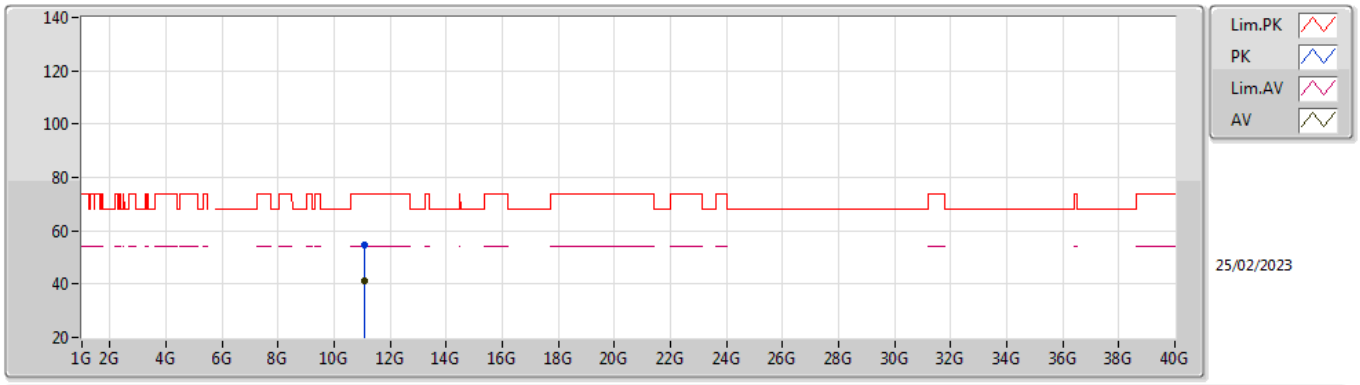


EUT Y_2TX
Setting 20
02-E-S-5

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	11.09538G	54.23	74.00	-19.77	38.81	3	Vertical	163	1.05	-	38.70	8.68	31.96
AV	11.1019G	41.47	54.00	-12.53	26.04	3	Vertical	163	1.05	-	38.70	8.69	31.96

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5550MHz_TX

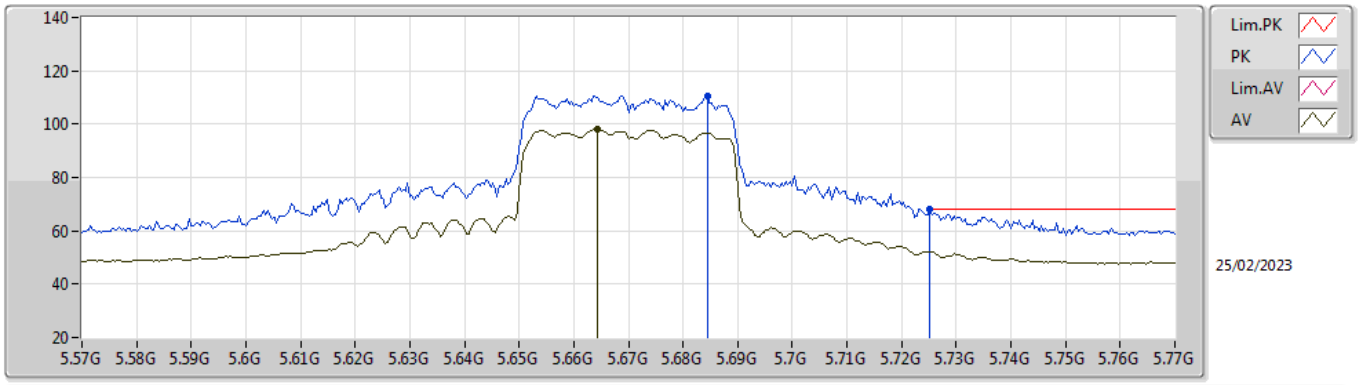


EUT Y_2TX
Setting 20
02-E-S-5

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	11.10182G	54.79	74.00	-19.21	39.36	3	Horizontal	171	1.75	-	38.70	8.69	31.96
AV	11.10288G	41.33	54.00	-12.67	25.90	3	Horizontal	171	1.75	-	38.70	8.69	31.96

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX

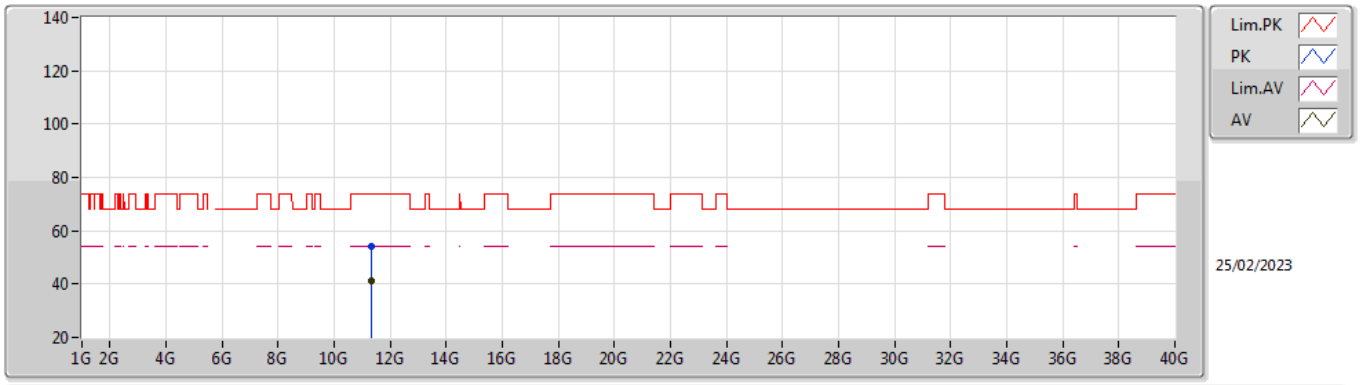


EUT Y_2TX
Setting 16.5
02-E-S-5-10

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	5.6844G	110.67	Inf	-Inf	101.56	3	Vertical	9	1.77	-	33.87	6.10	30.86
AV	5.6644G	98.19	Inf	-Inf	89.10	3	Vertical	9	1.77	-	33.83	6.10	30.84
PK	5.7252G	68.02	68.20	-0.18	58.96	3	Vertical	9	1.77	-	33.85	6.10	30.89

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX

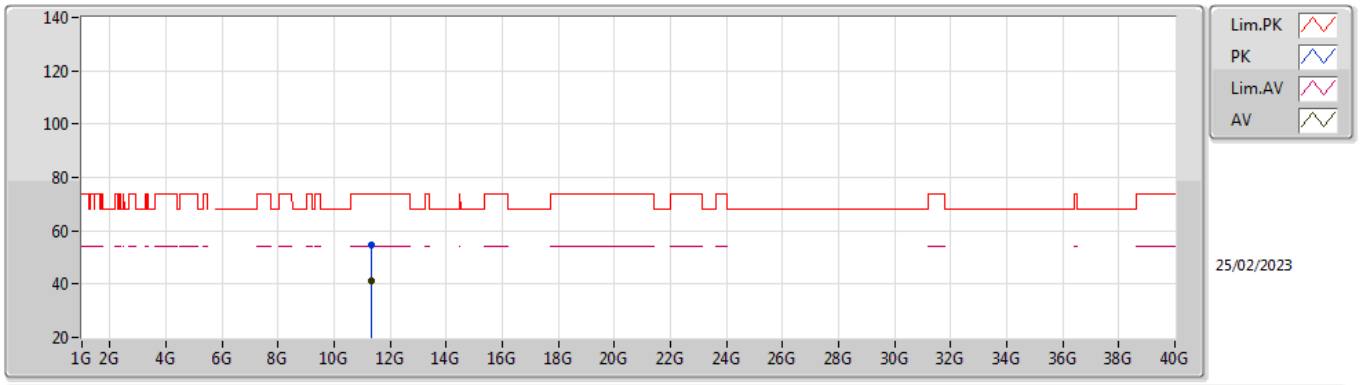


EUT Y_2TX
Setting 16.5
02-E-S-5

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	11.33746G	54.38	74.00	-19.62	38.86	3	Vertical	210	2.94	-	38.80	8.77	32.05
AV	11.3361G	41.22	54.00	-12.78	25.70	3	Vertical	210	2.94	-	38.80	8.77	32.05

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX

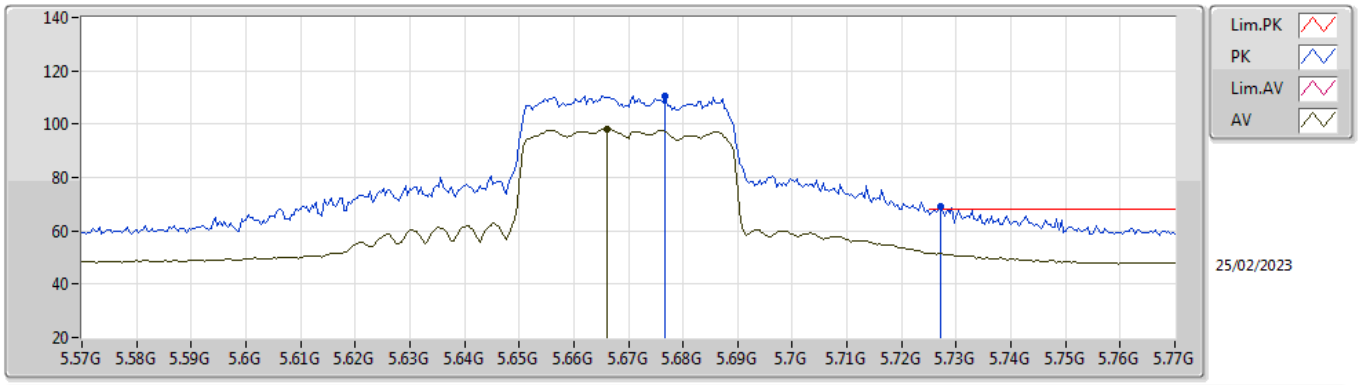


EUT Y_2TX
Setting 16.5
02-E-S-5

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	11.34166G	54.40	74.00	-19.60	38.89	3	Horizontal	335	2.13	-	38.80	8.77	32.06
AV	11.33866G	41.32	54.00	-12.68	25.81	3	Horizontal	335	2.13	-	38.80	8.77	32.06

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5670MHz_TX

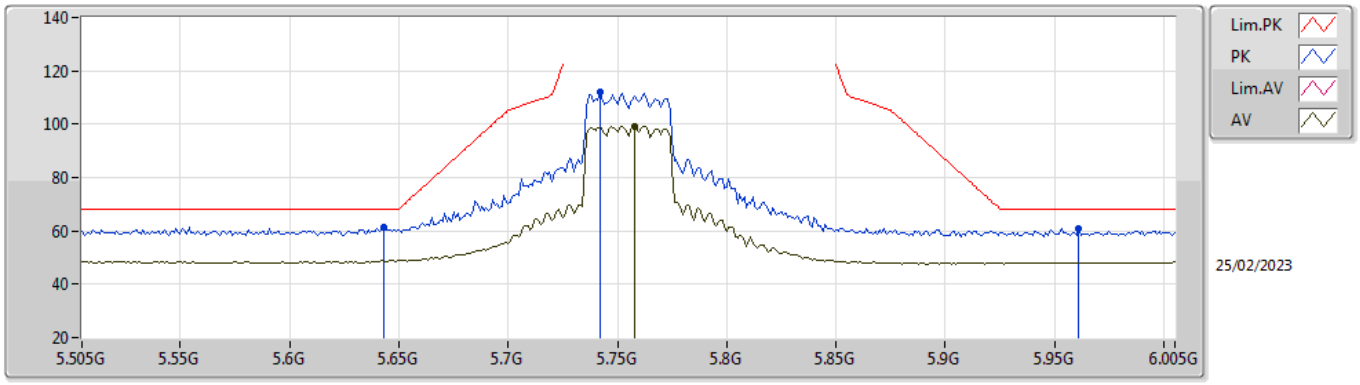


EUT Y_2TX
Setting 17.5
02-E-S-5-10

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	5.6768G	110.75	Inf	-Inf	101.65	3	Vertical	9	1.77	-	33.85	6.10	30.85
AV	5.666G	98.28	Inf	-Inf	89.20	3	Vertical	9	1.77	-	33.83	6.10	30.85
PK	5.7272G	69.15	68.20	0.95	60.09	3	Vertical	9	1.77	-	33.85	6.10	30.89

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

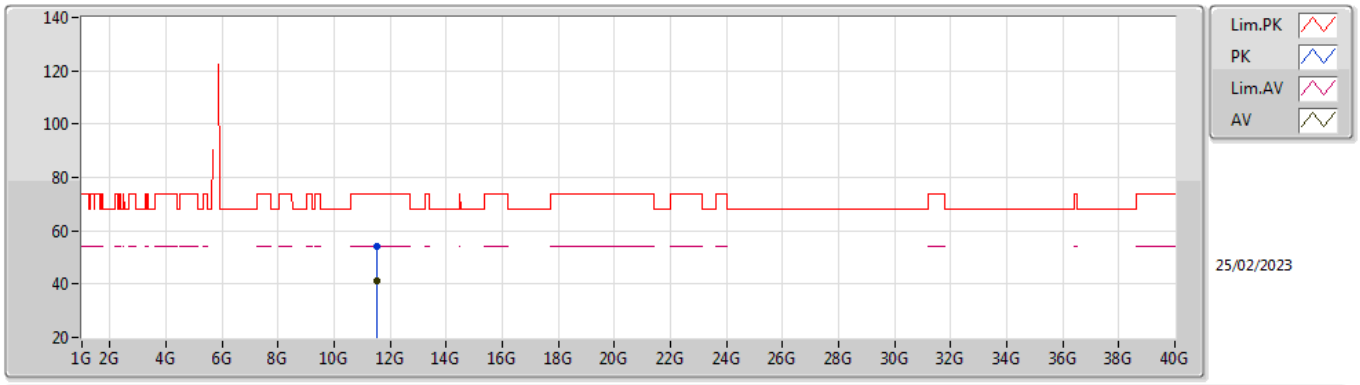


EUT Y_2TX
Setting 22.5
02-E-S-5-10

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	5.643G	61.61	68.20	-6.59	52.53	3	Vertical	42	2.01	-	33.81	6.10	30.83
PK	5.742G	111.83	Inf	-Inf	102.81	3	Vertical	42	2.01	-	33.82	6.10	30.90
AV	5.758G	99.30	Inf	-Inf	90.32	3	Vertical	42	2.01	-	33.80	6.10	30.92
PK	5.961G	60.68	68.20	-7.52	51.29	3	Vertical	42	2.01	-	34.20	6.26	31.07

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

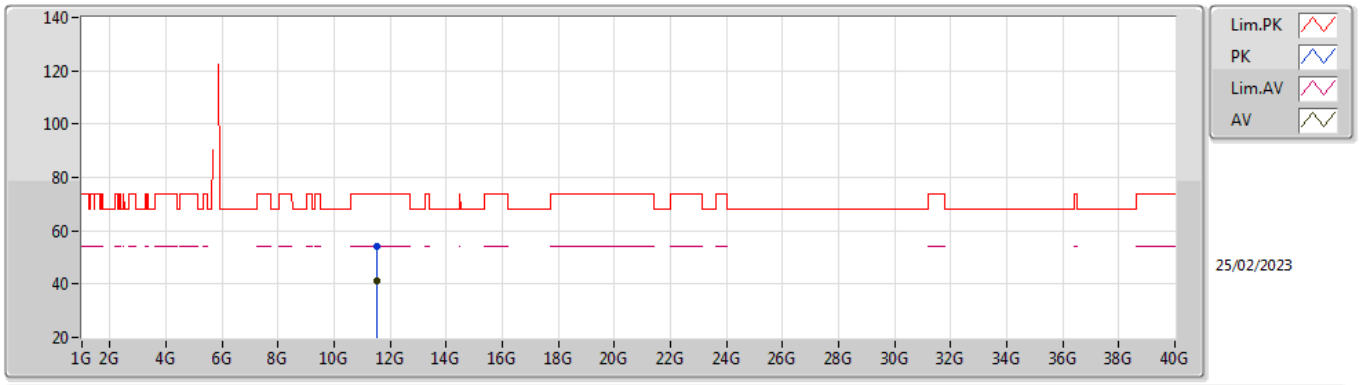


EUT Y_2TX
Setting 22.5
02-E-S-5

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	11.50542G	54.19	74.00	-19.81	38.46	3	Vertical	302	2.51	-	39.02	8.83	32.12
AV	11.51408G	41.24	54.00	-12.76	25.50	3	Vertical	302	2.51	-	39.04	8.83	32.13

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5755MHz_TX

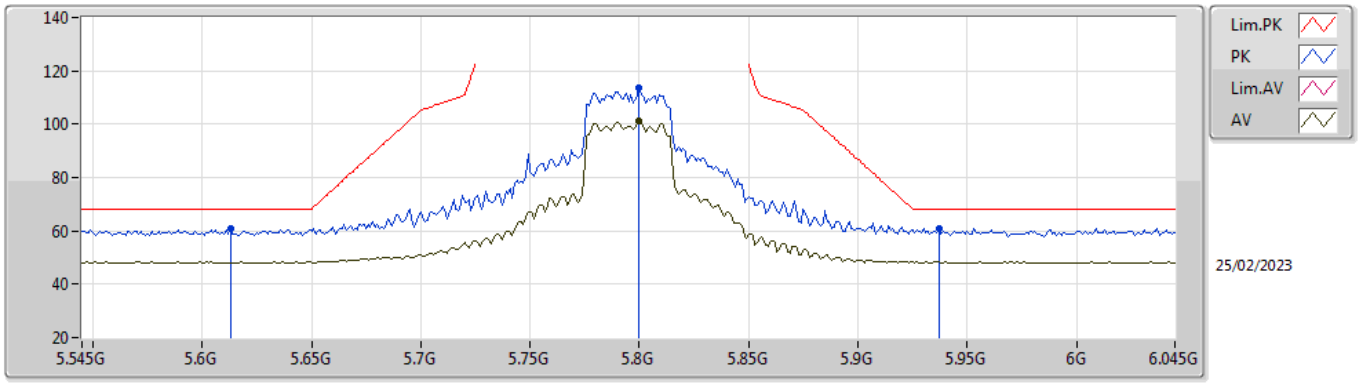


EUT Y_2TX
Setting 22.5
02-E-S-5

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	11.50914G	54.34	74.00	-19.66	38.61	3	Horizontal	311	2.39	-	39.03	8.83	32.13
AV	11.5064G	41.23	54.00	-12.77	25.50	3	Horizontal	311	2.39	-	39.02	8.83	32.12

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

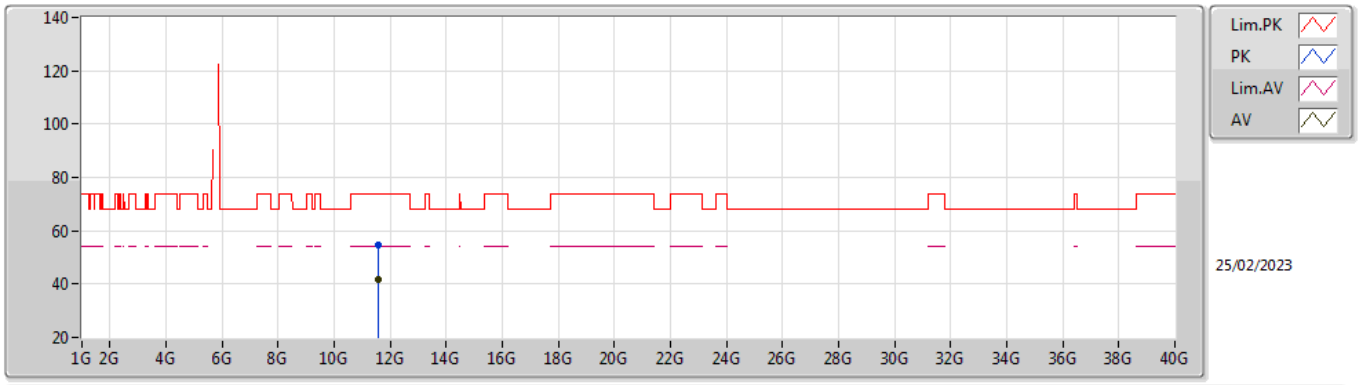


EUT Y_2TX
Setting 24
02-E-S-5-10

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	5.613G	60.89	68.20	-7.31	51.73	3	Vertical	42	1.83	-	33.87	6.10	30.81
PK	5.8G	113.70	Inf	-Inf	104.76	3	Vertical	42	1.83	-	33.80	6.09	30.95
AV	5.8G	101.03	Inf	-Inf	92.09	3	Vertical	42	1.83	-	33.80	6.09	30.95
PK	5.937G	60.98	68.20	-7.22	51.63	3	Vertical	42	1.83	-	34.17	6.23	31.05

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

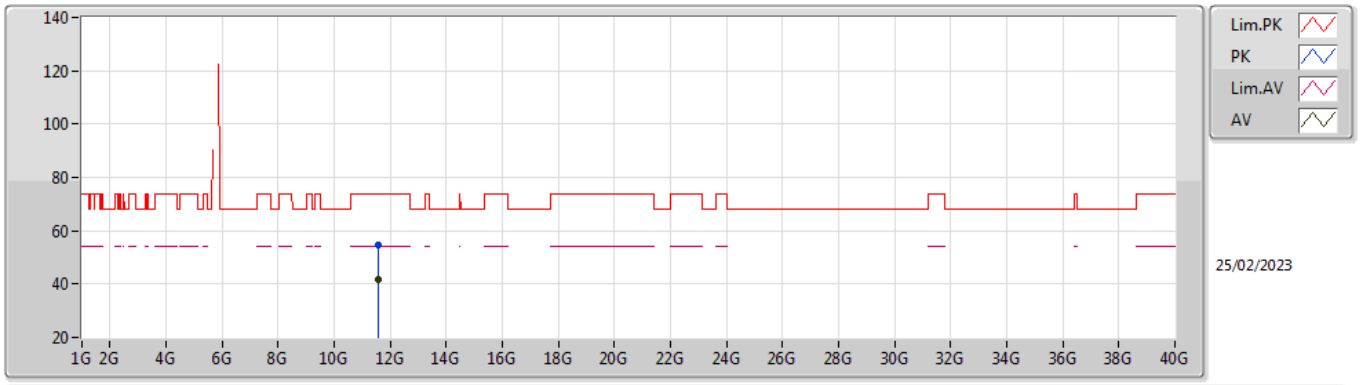


EUT Y_2TX
Setting 24
02-E-S-5

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	11.58938G	54.60	74.00	-19.40	38.64	3	Vertical	208	2.95	-	39.27	8.86	32.17
AV	11.59312G	41.59	54.00	-12.41	25.62	3	Vertical	208	2.95	-	39.28	8.86	32.17

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

5795MHz_TX

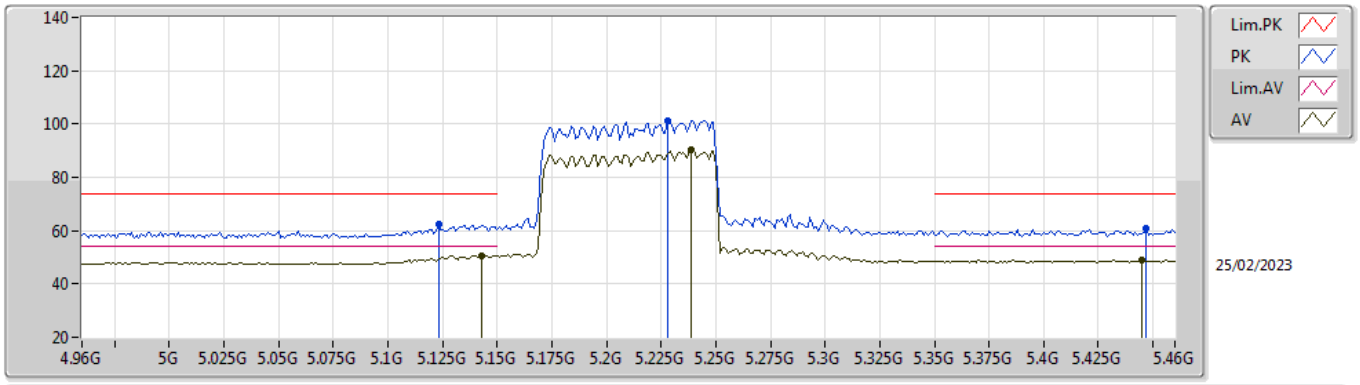


EUT Y_2TX
Setting 24
02-E-S-5

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	11.5863G	54.68	74.00	-19.32	38.73	3	Horizontal	278	2.64	-	39.26	8.86	32.17
AV	11.58982G	41.69	54.00	-12.31	25.73	3	Horizontal	278	2.64	-	39.27	8.86	32.17

5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

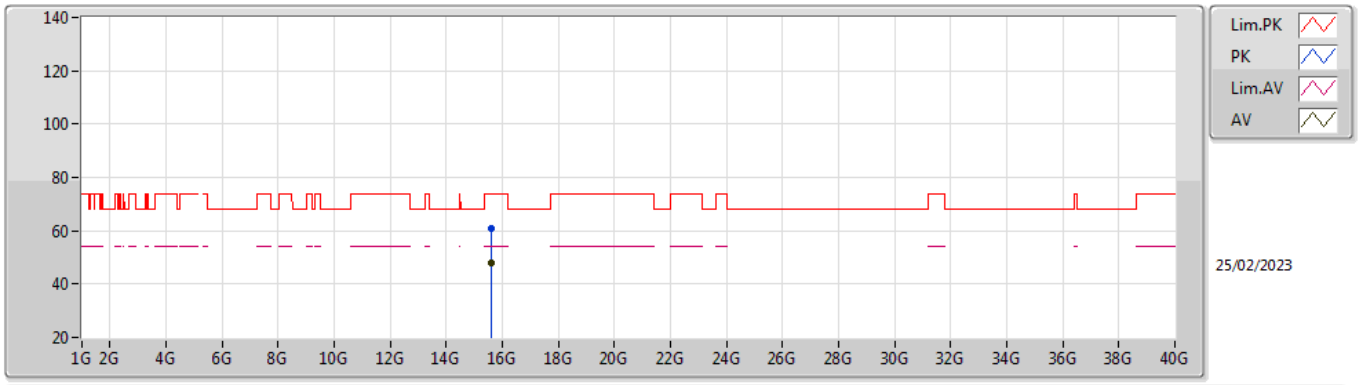


EUT Y_2TX
Setting 12
02-E-S-5-10

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	5.123G	62.32	74.00	-11.68	53.74	3	Vertical	346	1.78	-	33.55	5.76	30.73
AV	5.143G	50.71	54.00	-3.29	42.08	3	Vertical	346	1.78	-	33.59	5.77	30.73
PK	5.228G	101.38	Inf	-Inf	92.60	3	Vertical	346	1.78	-	33.70	5.81	30.73
AV	5.239G	90.59	Inf	-Inf	81.80	3	Vertical	346	1.78	-	33.70	5.82	30.73
PK	5.447G	60.83	74.00	-13.17	51.60	3	Vertical	346	1.78	-	34.00	5.95	30.72
AV	5.445G	48.87	54.00	-5.13	39.64	3	Vertical	346	1.78	-	34.00	5.95	30.72

5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

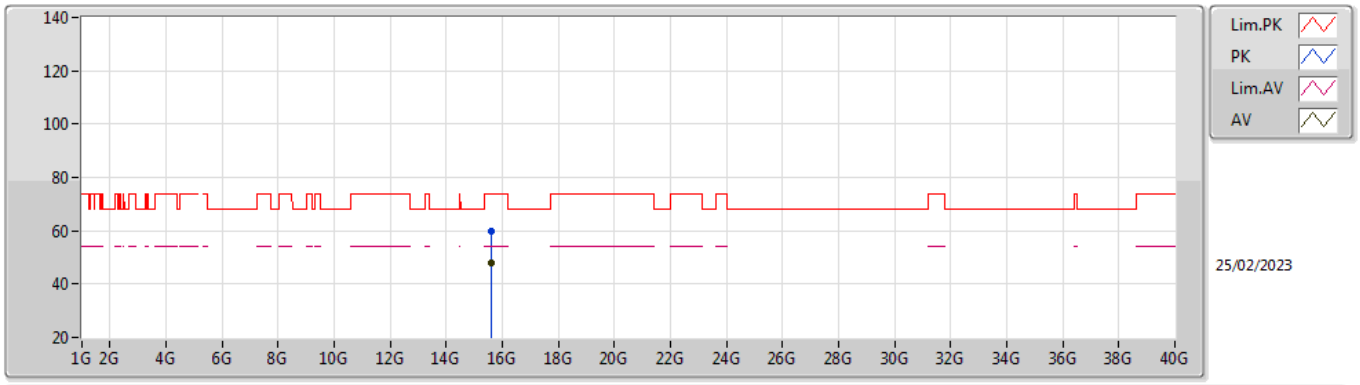


EUT Y_2TX
Setting 12
02-E-S-5

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	15.6293G	60.67	74.00	-13.33	44.22	3	Vertical	196	2.75	-	37.50	10.35	31.40
AV	15.62972G	47.69	54.00	-6.31	31.24	3	Vertical	196	2.75	-	37.50	10.35	31.40

5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

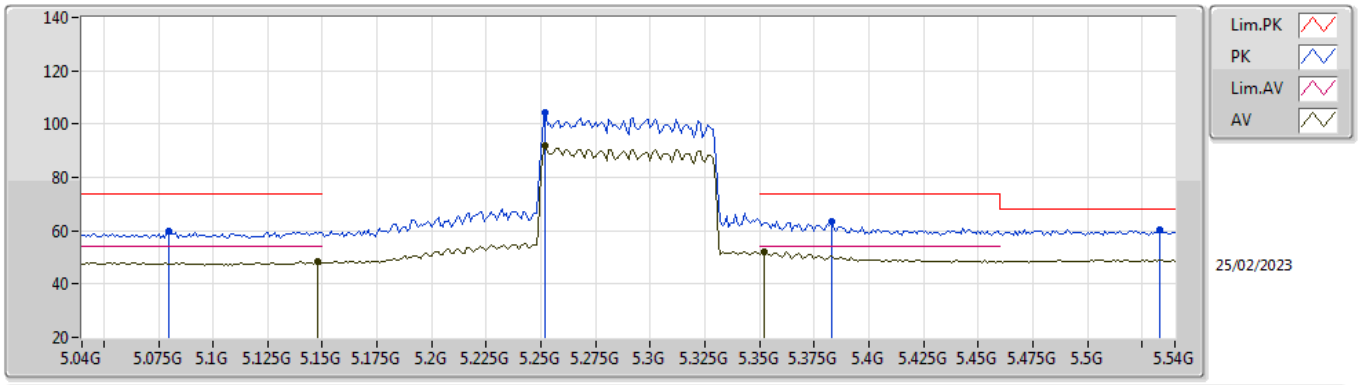


EUT Y_2TX
Setting 12
02-E-S-5

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	15.62984G	59.70	74.00	-14.30	43.25	3	Horizontal	272	2.68	-	37.50	10.35	31.40
AV	15.62996G	47.96	54.00	-6.04	31.51	3	Horizontal	272	2.68	-	37.50	10.35	31.40

5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX

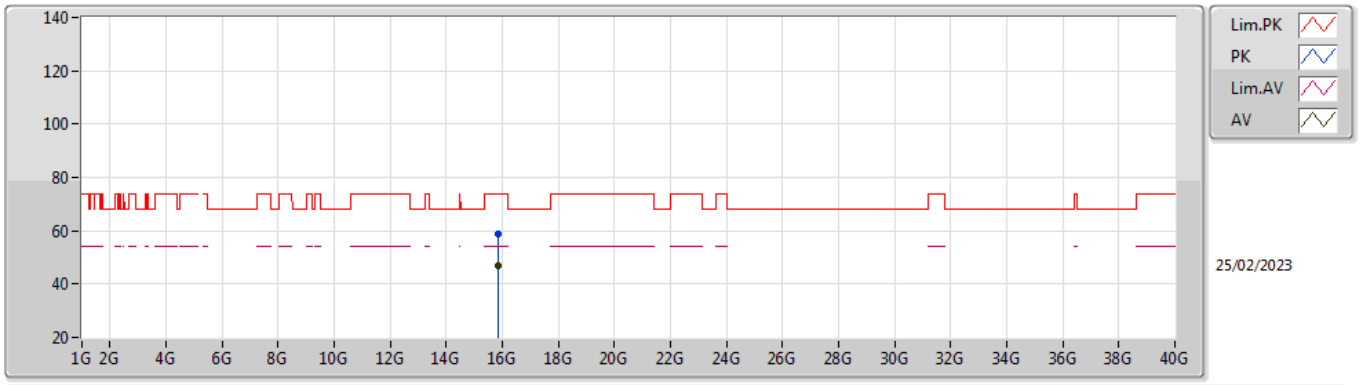


EUT Y_2TX
Setting 13
02-E-S-5-10

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	5.08G	59.66	74.00	-14.34	51.15	3	Vertical	347	1.63	-	33.50	5.74	30.73
AV	5.148G	48.32	54.00	-5.68	39.68	3	Vertical	347	1.63	-	33.60	5.77	30.73
PK	5.252G	104.46	Inf	-Inf	95.65	3	Vertical	347	1.63	-	33.70	5.83	30.72
AV	5.252G	91.73	Inf	-Inf	82.92	3	Vertical	347	1.63	-	33.70	5.83	30.72
PK	5.383G	63.54	74.00	-10.46	54.40	3	Vertical	347	1.63	-	33.97	5.89	30.72
AV	5.352G	52.30	54.00	-1.70	43.24	3	Vertical	347	1.63	-	33.90	5.88	30.72
PK	5.533G	60.60	68.20	-7.60	51.32	3	Vertical	347	1.63	-	34.00	6.03	30.75

5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX

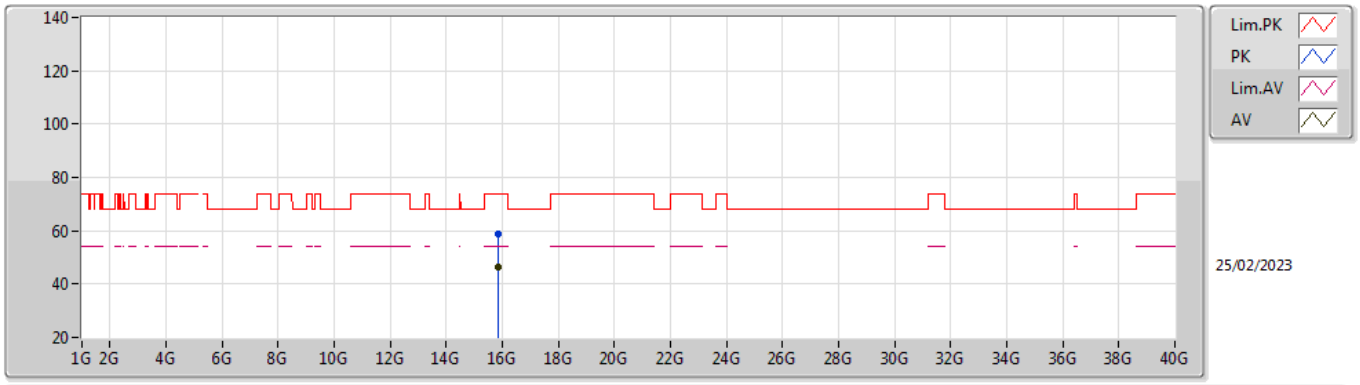


EUT Y_2TX
Setting 13
02-E-S-5

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	15.87426G	58.89	74.00	-15.11	42.61	3	Vertical	99	2.53	-	37.35	10.45	31.52
AV	15.86538G	46.74	54.00	-7.26	30.44	3	Vertical	99	2.53	-	37.37	10.45	31.52

5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX

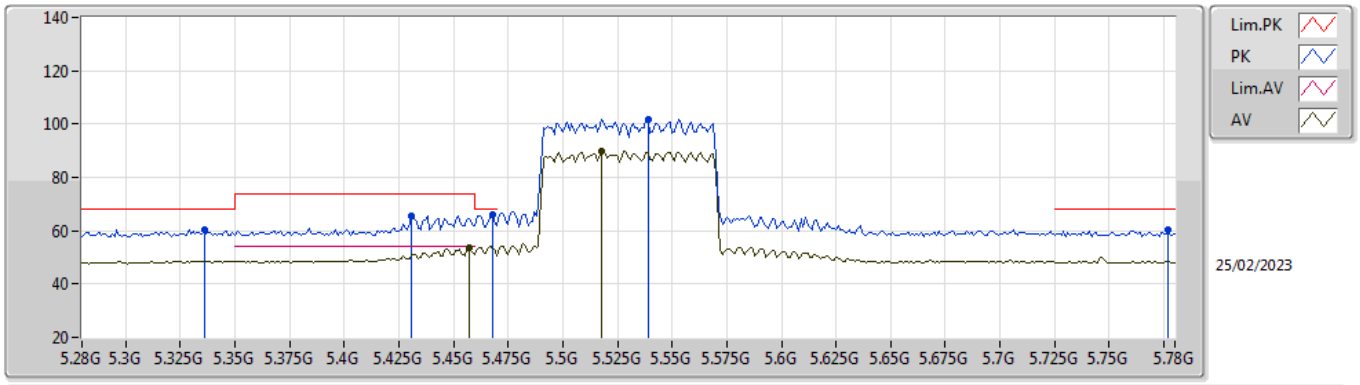


EUT Y_2TX
Setting 13
02-E-S-5

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	15.87258G	58.90	74.00	-15.10	42.62	3	Horizontal	360	1.25	-	37.35	10.45	31.52
AV	15.86796G	46.49	54.00	-7.51	30.20	3	Horizontal	360	1.25	-	37.36	10.45	31.52

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz_TX

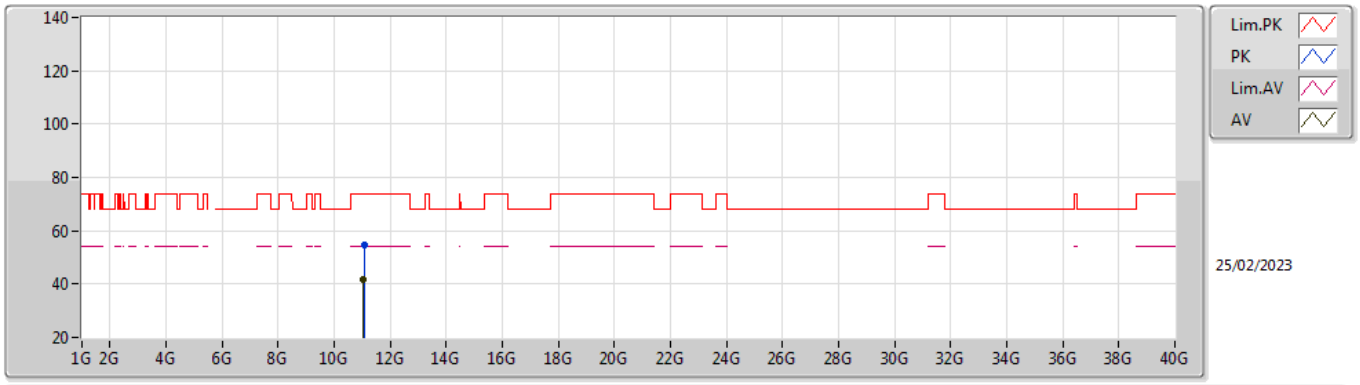


EUT Y_2TX
Setting 11.5
02-E-S-5-10

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	5.336G	60.36	68.20	-7.84	51.34	3	Vertical	39	1.86	-	33.87	5.87	30.72
PK	5.431G	65.42	74.00	-8.58	56.21	3	Vertical	39	1.86	-	34.00	5.93	30.72
PK	5.468G	66.25	68.20	-1.95	57.00	3	Vertical	39	1.86	-	34.00	5.97	30.72
AV	5.457G	53.41	54.00	-0.59	44.17	3	Vertical	39	1.86	-	34.00	5.96	30.72
PK	5.539G	101.83	Inf	-Inf	92.54	3	Vertical	39	1.86	-	34.00	6.04	30.75
AV	5.518G	89.94	Inf	-Inf	80.65	3	Vertical	39	1.86	-	34.00	6.02	30.73
PK	5.777G	60.59	68.20	-7.61	51.62	3	Vertical	39	1.86	-	33.80	6.10	30.93

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz_TX

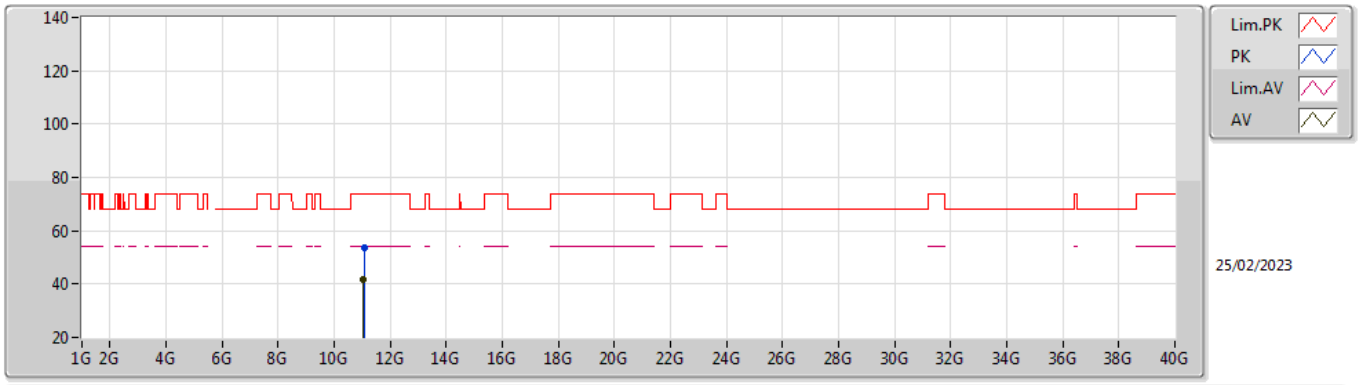


EUT Y_2TX
Setting 11.5
02-E-S-5

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	11.06054G	54.45	74.00	-19.55	39.06	3	Vertical	80	1.63	-	38.66	8.67	31.94
AV	11.05666G	41.60	54.00	-12.40	26.21	3	Vertical	80	1.63	-	38.66	8.67	31.94

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz_TX

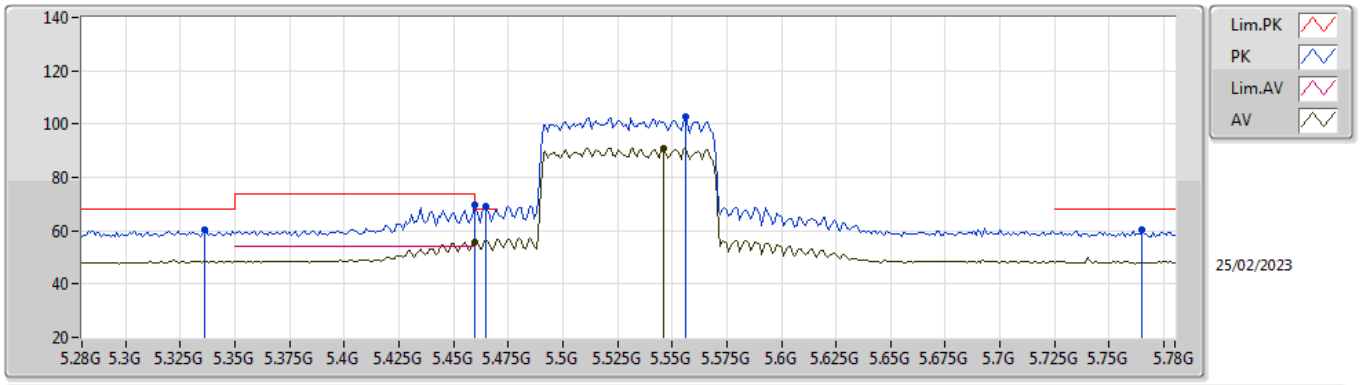


EUT Y_2TX
Setting 11.5
02-E-S-5

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	11.0626G	53.64	74.00	-20.36	38.26	3	Horizontal	46	2.45	-	38.66	8.67	31.95
AV	11.05524G	41.47	54.00	-12.53	26.08	3	Horizontal	46	2.45	-	38.66	8.67	31.94

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5530MHz_TX

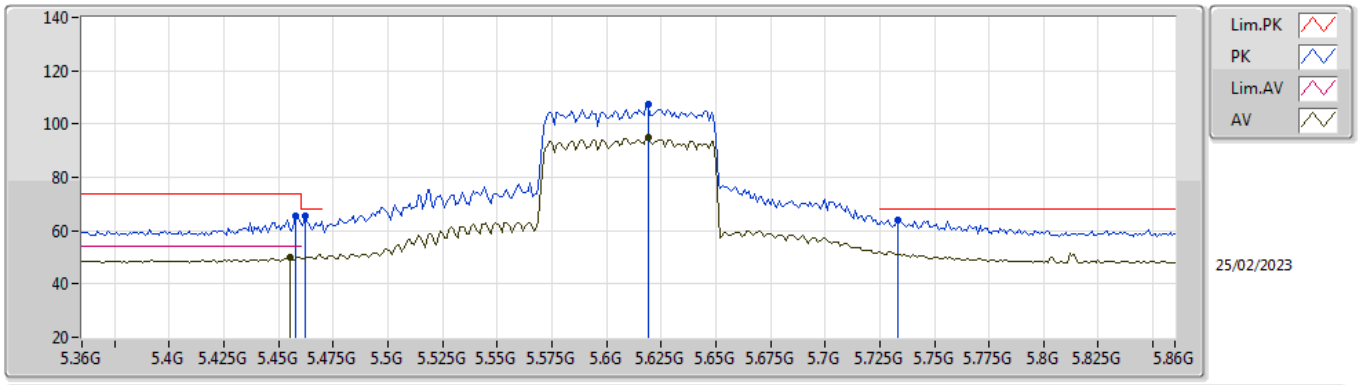


EUT Y_2TX
Setting 12.5
02-E-S-5-10

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	5.336G	60.27	68.20	-7.93	51.25	3	Vertical	39	1.86	-	33.87	5.87	30.72
PK	5.46G	69.41	74.00	-4.59	60.17	3	Vertical	39	1.86	-	34.00	5.96	30.72
AV	5.46G	55.66	54.00	1.66	46.42	3	Vertical	39	1.86	-	34.00	5.96	30.72
PK	5.465G	68.88	68.20	0.68	59.64	3	Vertical	39	1.86	-	34.00	5.96	30.72
PK	5.556G	102.58	Inf	-Inf	93.29	3	Vertical	39	1.86	-	33.99	6.06	30.76
AV	5.546G	91.03	Inf	-Inf	81.73	3	Vertical	39	1.86	-	34.00	6.05	30.75
PK	5.765G	60.45	68.20	-7.75	51.47	3	Vertical	39	1.86	-	33.80	6.10	30.92

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5610MHz_TX

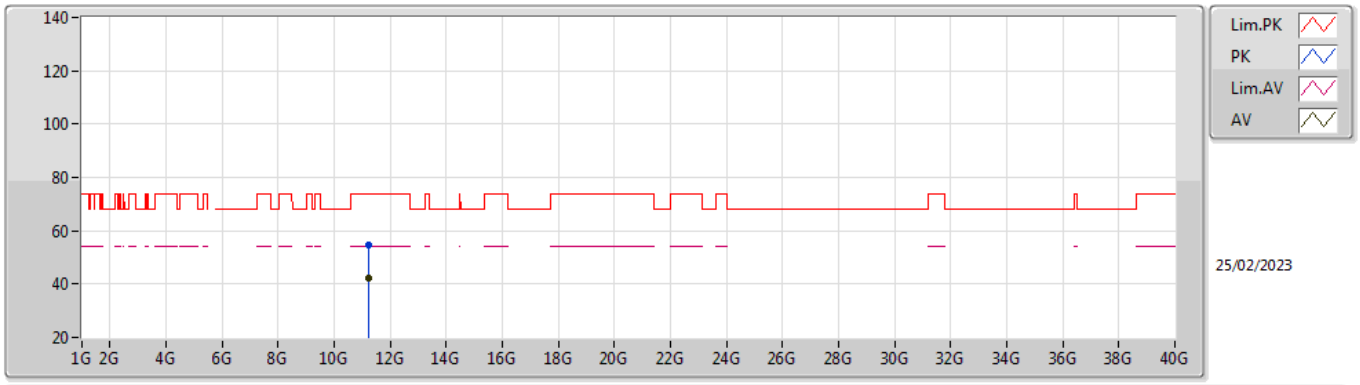


EUT Y_2TX
Setting 11.5
02-E-S-5-10

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	5.458G	65.38	74.00	-8.62	56.14	3	Vertical	8	1.77	-	34.00	5.96	30.72
AV	5.455G	49.91	54.00	-4.09	40.67	3	Vertical	8	1.77	-	34.00	5.96	30.72
PK	5.462G	65.26	68.20	-2.94	56.02	3	Vertical	8	1.77	-	34.00	5.96	30.72
PK	5.619G	107.25	Inf	-Inf	98.10	3	Vertical	8	1.77	-	33.86	6.10	30.81
AV	5.619G	95.10	Inf	-Inf	85.95	3	Vertical	8	1.77	-	33.86	6.10	30.81
PK	5.733G	64.20	68.20	-4.00	55.17	3	Vertical	8	1.77	-	33.83	6.10	30.90

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5610MHz_TX

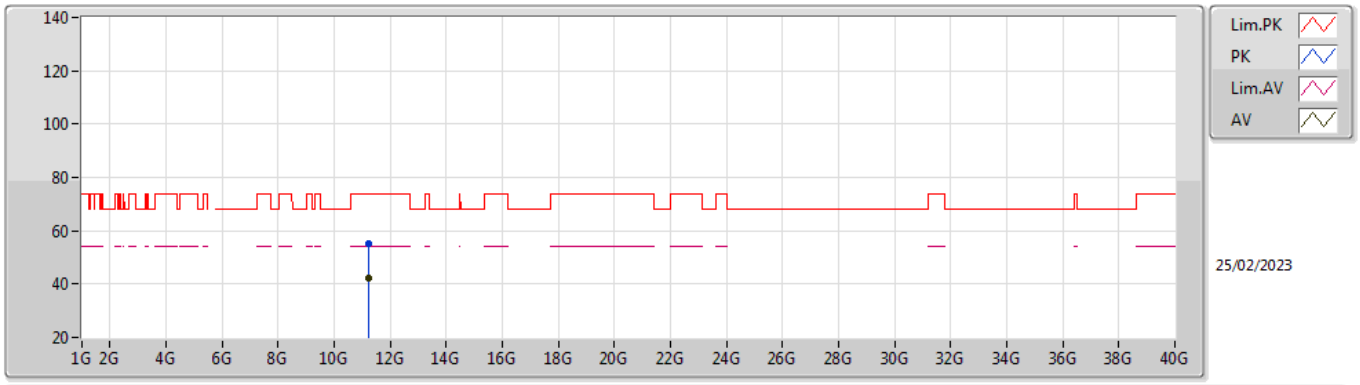


EUT Y_2TX
Setting 11.5
02-E-S-5

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	11.22198G	54.75	74.00	-19.25	39.23	3	Vertical	216	2.22	-	38.80	8.73	32.01
AV	11.21628G	42.27	54.00	-11.73	26.75	3	Vertical	216	2.22	-	38.80	8.73	32.01

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5610MHz_TX

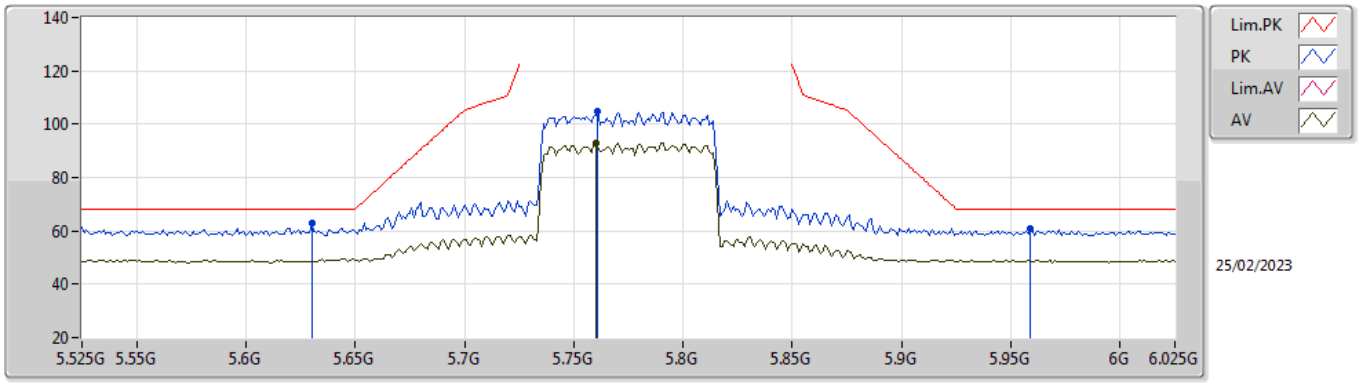


EUT Y_2TX
Setting 11.5
02-E-S-5

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	11.22226G	54.94	74.00	-19.06	39.42	3	Horizontal	186	2.18	-	38.80	8.73	32.01
AV	11.22326G	42.04	54.00	-11.96	26.52	3	Horizontal	186	2.18	-	38.80	8.73	32.01

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX

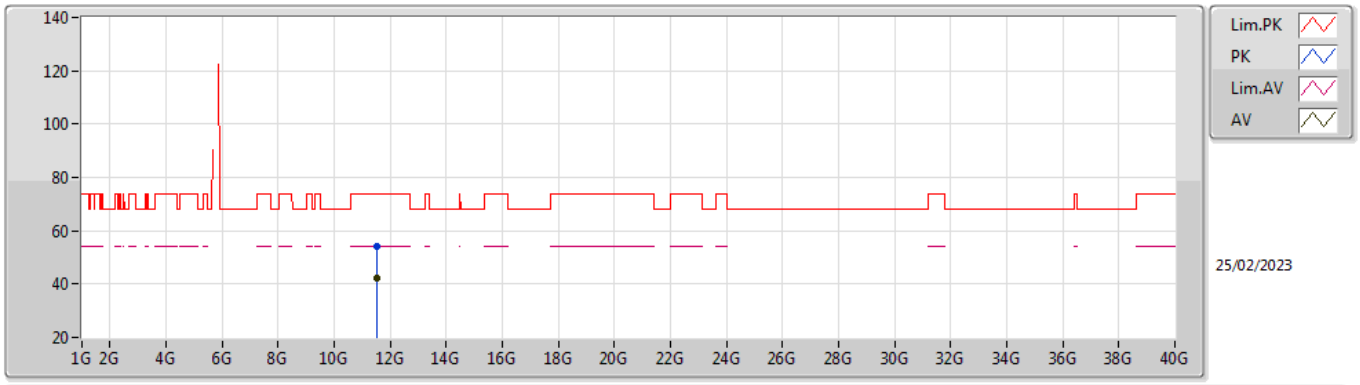


EUT Y_2TX
Setting 15
02-E-S-5-10

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	5.63G	62.87	68.20	-5.33	53.75	3	Vertical	44	1.98	-	33.84	6.10	30.82
PK	5.761G	104.73	Inf	-Inf	95.75	3	Vertical	44	1.98	-	33.80	6.10	30.92
AV	5.76G	93.06	Inf	-Inf	84.08	3	Vertical	44	1.98	-	33.80	6.10	30.92
PK	5.959G	61.10	68.20	-7.10	51.71	3	Vertical	44	1.98	-	34.20	6.26	31.07

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX

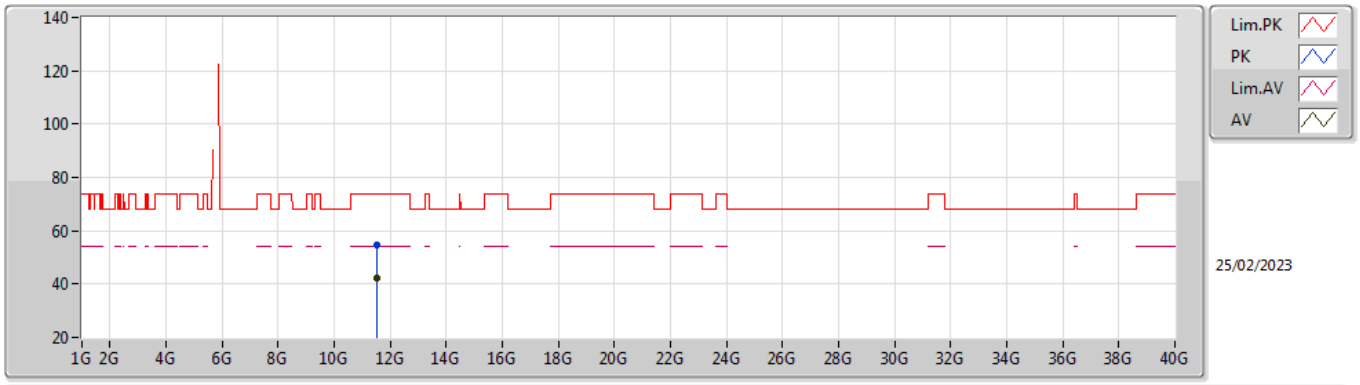


EUT Y_2TX
Setting 15
02-E-S-5

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	11.54784G	54.11	74.00	-19.89	38.28	3	Vertical	220	2.22	-	39.14	8.84	32.15
AV	11.54552G	42.05	54.00	-11.95	26.22	3	Vertical	220	2.22	-	39.14	8.84	32.15

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

5775MHz_TX



EUT Y_2TX
Setting 15
02-E-S-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	11.54712G	54.61	74.00	-19.39	38.78	3	Horizontal	196	1.60	-	39.14	8.84	32.15
AV	11.54516G	42.15	54.00	-11.85	26.32	3	Horizontal	196	1.60	-	39.14	8.84	32.15