

FCC Radio Test Report

FCC ID : HDC-17600030F1
Contains FCC ID : HDC-649B
Equipment : WiFi 6 Mesh AP
Brand Name : **ADTRAN**[®]
Model Name : 841-t6YYYYYY(Y can be 0-9, a-z, A-Z, blank, "+"
or "-" or "#")
Part Number : 17600030FYYYYYYY(Y can be 0-9, a-z, A-Z, blank,
"+" or "-" or "#")
Applicant : Adtran
901 Explorer Blvd., Huntsville, AL 35806, USA
Manufacturer : XAVi Technologies Corporation
22F., No.69, Sec. 2, Guangfu Rd., Sanchong Dist.,
New Taipei City 241, Taiwan (R.O.C.)
Standard : 47 CFR FCC Part 15.407

The product was received on Sep. 16, 2021, and testing was started from Sep. 16, 2021 and completed on Sep. 30, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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History of this test report

[illegible]

Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Ben Tseng

Report Producer: Jenny Yang

1 General Description

1.1 Information

The EUT contains certified module FCC ID: HDC-649B for WLAN 5G High Band.

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax(HEW20)	5260-5320	52-64 [4]
5250-5350	n (HT40), ac (VHT40), ax(HEW40)	5270-5310	54-62 [2]
5250-5350	ac (VHT80), ax(HEW80)	5290	58 [1]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX

Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ax HEW20-BF	20	2TX
5.25-5.35GHz	802.11ax HEW40-BF	40	2TX
5.25-5.35GHz	802.11ax HEW80-BF	80	2TX

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, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	Galtronics	02036142-07357-1	PIFA	N/A	5G DFS RX
2	Galtronics	02036073-07357-3	PIFA	N/A	BT
3	Galtronics	60-2962-03-4	PCB	U.FL	2.4G+5G
4	Galtronics	60-2962-03-3	PCB	U.FL	2.4G+5G

Non-Beamforming

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	-	4.7	-
2	1	-	-	5.3
3	1	2.7	3.7	-
4	2	2.7	3.7	-

Note 1: The EUT has eight antennas.

For 2.4GHz function:

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

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

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Only Ant. 2 (port 1) can be used as transmitting/receiving.

For 5GHz function (Low Band):

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

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

Note2: Directional gain information

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

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

$$N_{SS1}(g_{1,1}) = 10^{G_{1,1}/20} ; N_{SS1}(g_{1,2}) = 10^{G_{1,2}/20} ; g_{j,k} = (N_{SS1}(g_{1,1}) + N_{SS1}(g_{1,2}))^2$$

$$DG = 10 \log[(N_{SS1}(g_{1,1}) + N_{SS1}(g_{1,2}))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G_{1,1}/20} + 10^{G_{1,2}/20})^2 / N_{ANT}]$$

$$5GHz DG = 10 \log[(10^{3.720} + 10^{3.720})^2 / N_{ANT}] = 6.71 \text{ dBi}$$

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☐ Outdoor AP	☒ Indoor AP	
	☐ Fixed P2P AP	☐ Outdoor/Indoor Client	
Beamforming Function	☒ With beamforming	☐ Without beamforming	
TPC Function	☒ With TPC Function	☐ Without TPC Function	
Weather Band	☒ With 5600~5650MHz	☐ Without 5600~5650MHz	
Resource Unit(802.11ax)	☒ Full RU	☐ Partial RU	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		
☐	Other:		

1.1.4 Mode Test Duty Cycle
Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq \frac{1}{T}$
802.11a_Nss1,(6Mbps)_2TX	0.918	0.37	1.398m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.895	0.48	1.03m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.801	0.96	550u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.691	1.61	298.438u	10k

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq \frac{1}{T}$
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.977	0.1	3.786m	300
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.955	0.2	1.923m	1k
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.911	0.4	948.438u	3k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.



1.1.5 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Description
841-t6YYYYYY(Y can be 0-9, a-z, A-Z, blank, "+" or "-" or "#")	All the models are identical, the difference model served as marketing strategy.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR182051AN

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

Modifications	Performance Checking
Frequency band U-NII-2A was added	Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density and Unwanted Emissions above 1GHz were evaluated

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 662911 D01 v02r01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456	FAX: 886-3-327-0973		
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Johnny Yu	20.3~26.7°C / 52~61%	16/Sep/2021~30/Sep/2021
Radiated	03CH03-HY	Edward Wang	24.2~25.2°C / 50~60%	21/Sep/2021~25/Sep/2021
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787	FAX: 886-3-318-0287		
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Non-Beamforming

Test Software Version	QATool_Dbg
Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	18.5
5300MHz	16.5
5320MHz	15.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	19
5300MHz	17
5320MHz	14.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	20.5
5310MHz	16
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	17

Beamforming

Test Software Version	CMD
Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5260MHz	40
5300MHz	38
5320MHz	37
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5270MHz	40
5310MHz	36
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5290MHz	35

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains

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	Adapter mode
Orthogonal Planes of EUT	Y Plane
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Bluetooth+WLAN 2.4GHz+WLAN 5GHz (Low Band)+WLAN 5GHz (High Band)
Refer to Sporton Test Report No.: FA182051-01 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories				
AC Adapter	Brand Name	MASS POWER	Model Name	S030-1A120250VU
	Power Rating	I/P: 100 - 240 Vac, 0.8 A, O/P: 12.0 Vdc, 2.5 A		
	Power Cord	1.45 meter, non-shielded cable, w/o ferrite core		

Reminder: Regarding to more detail and other information, please refer to user manual.

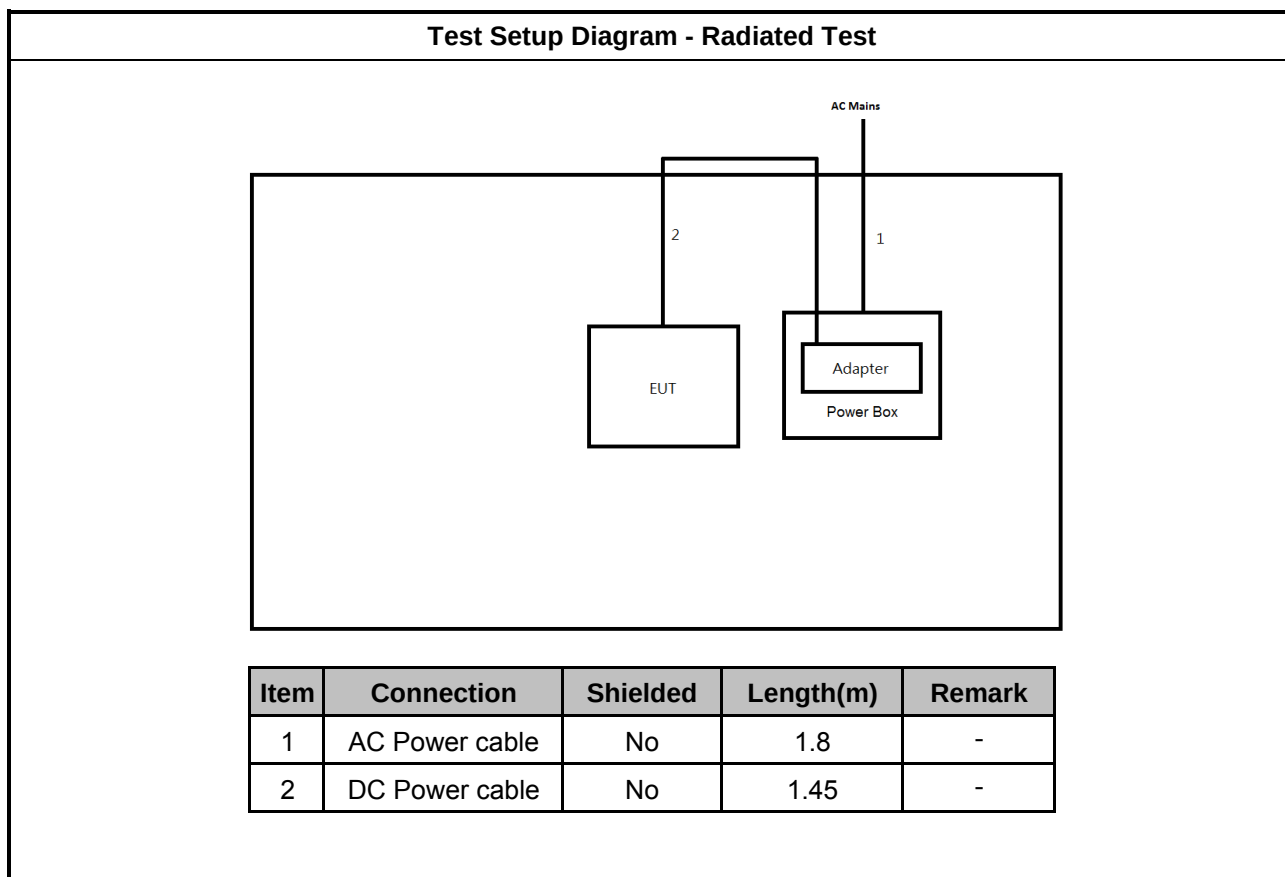
2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	BF Client	841-T6	HA65NM130	-	-
4	Adapter for BF Client	MASS POWER	S050-1A120400B3	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Client (Remote)	ADTRAN	841-T6	-	Note 1
2	Adapter for Client (Remote)	MASS POWER	S030-1A120250VU	-	Note 1

Note 1: Provided by Customer.

2.5 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, N/A
☐	For the 5.47-5.725 GHz band, N/A
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

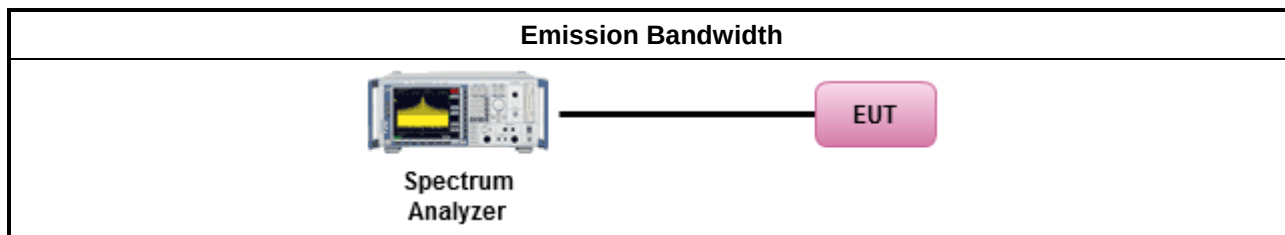
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted 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 $11 \text{ dBm} + 10 \log B$, 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 $11 \text{ dBm} + 10 \log B$, 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.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

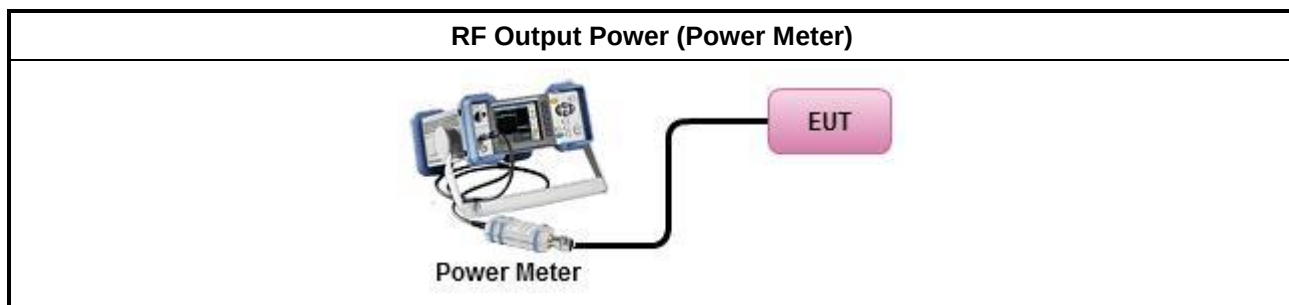
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as 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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density 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.
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.	

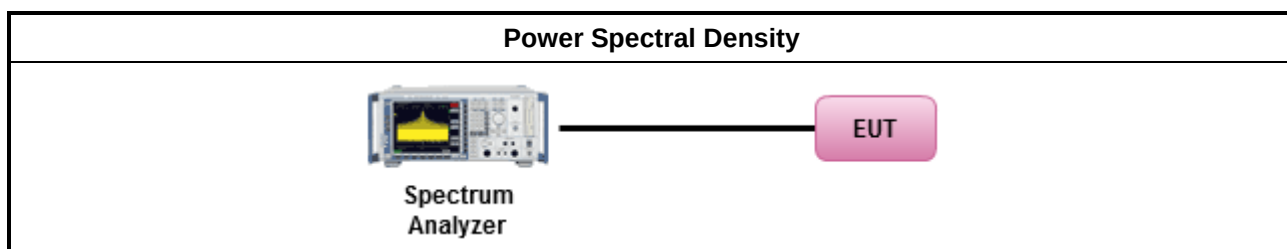
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

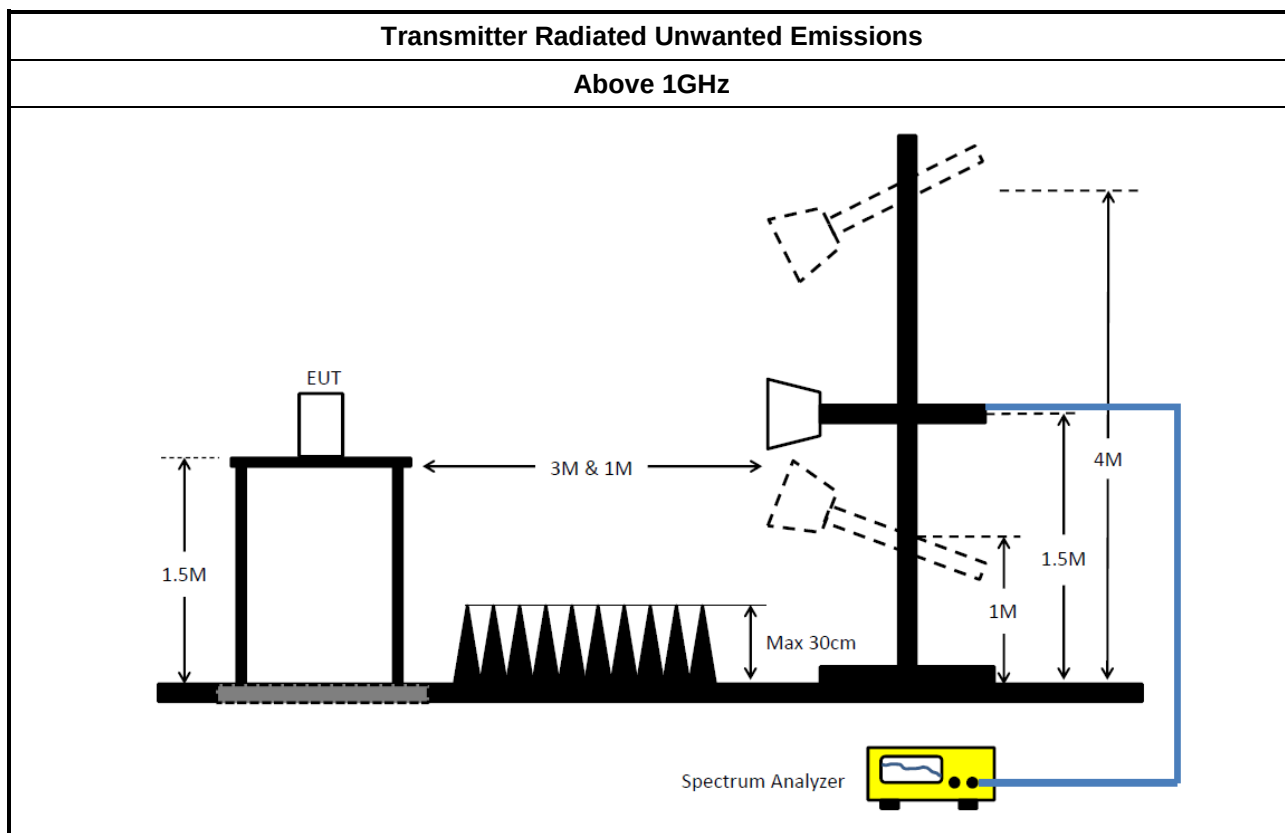
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
	☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

3.4.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.4.5 Test Setup



3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Mar/2021	29/Mar/2022
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	23/Feb/2021	22/Feb/2022
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	23/Feb/2021	22/Feb/2022

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101515	10Hz~40GHz	26/Mar/2021	25/Mar/2022
Microwave System Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2021	14/Jul/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	24/Mar/2021	23/Mar/2022
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Prempifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	09/Mar/2021	08/Mar/2022

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.31M	16.762M	16M8D1D	19.95M	16.552M
802.11ax HEW20_Nss1,(MCS0)_2TX	30.78M	19.16M	19M2D1D	23.22M	19.07M
802.11ax HEW40_Nss1,(MCS0)_2TX	42.36M	37.841M	37M8D1D	39.48M	37.601M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.16M	76.522M	76M5D1D	80.04M	76.402M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

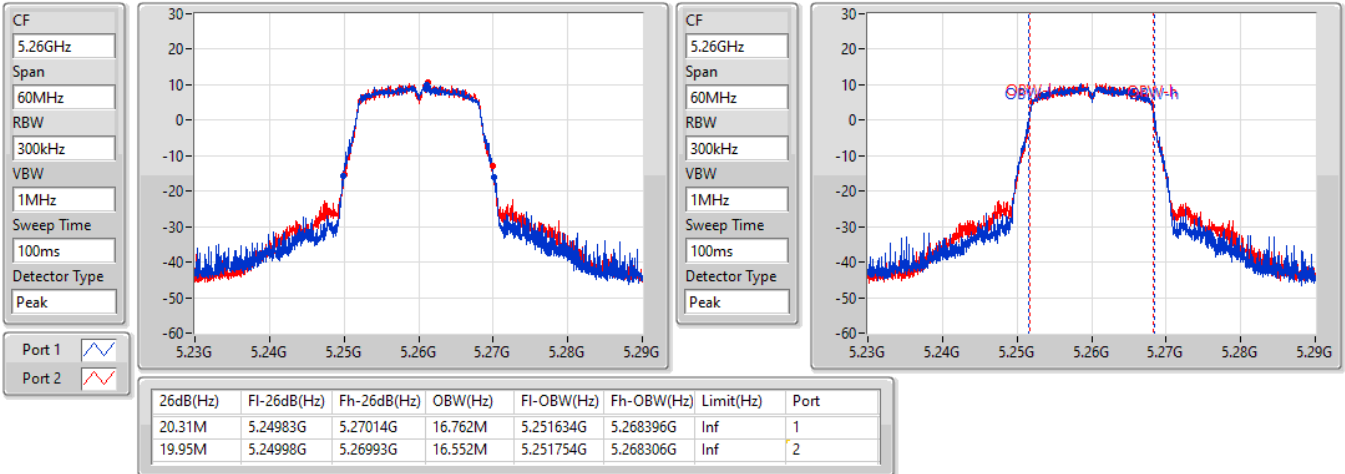
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.31M	16.762M	19.95M	16.552M				
5300MHz	Pass	Inf	20.25M	16.732M	20.1M	16.582M				
5320MHz	Pass	Inf	20.31M	16.762M	19.98M	16.552M				
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	26.16M	19.13M	28.14M	19.1M				
5300MHz	Pass	Inf	23.22M	19.07M	30.12M	19.16M				
5320MHz	Pass	Inf	30.78M	19.13M	24.51M	19.13M				
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.48M	37.721M	42.36M	37.841M				
5310MHz	Pass	Inf	39.6M	37.601M	39.54M	37.601M				
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	80.16M	76.402M	80.04M	76.522M				

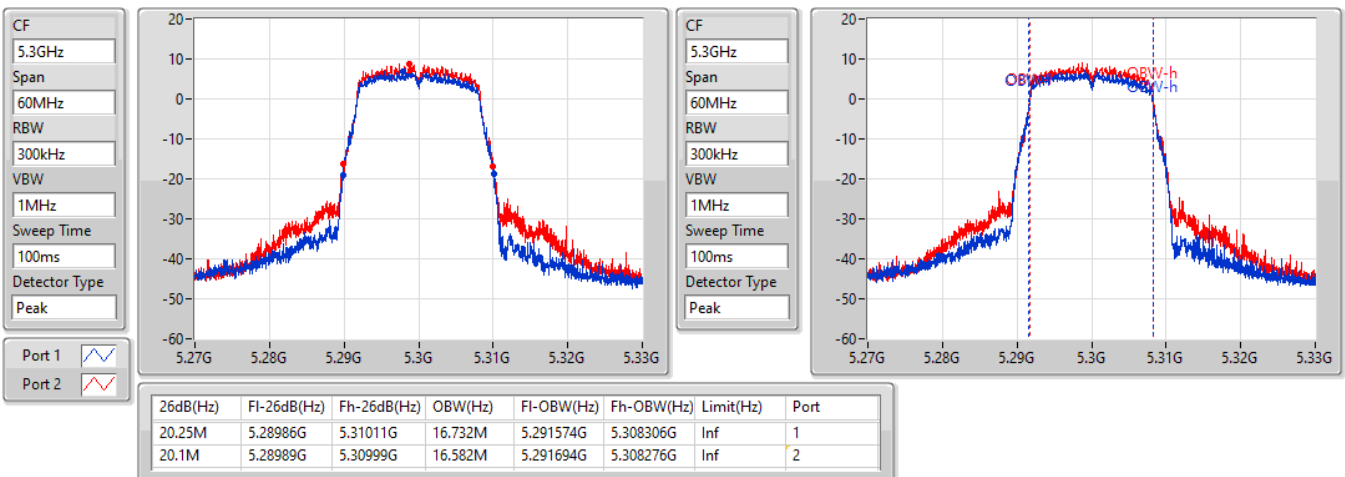
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

23/09/2021


802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

23/09/2021

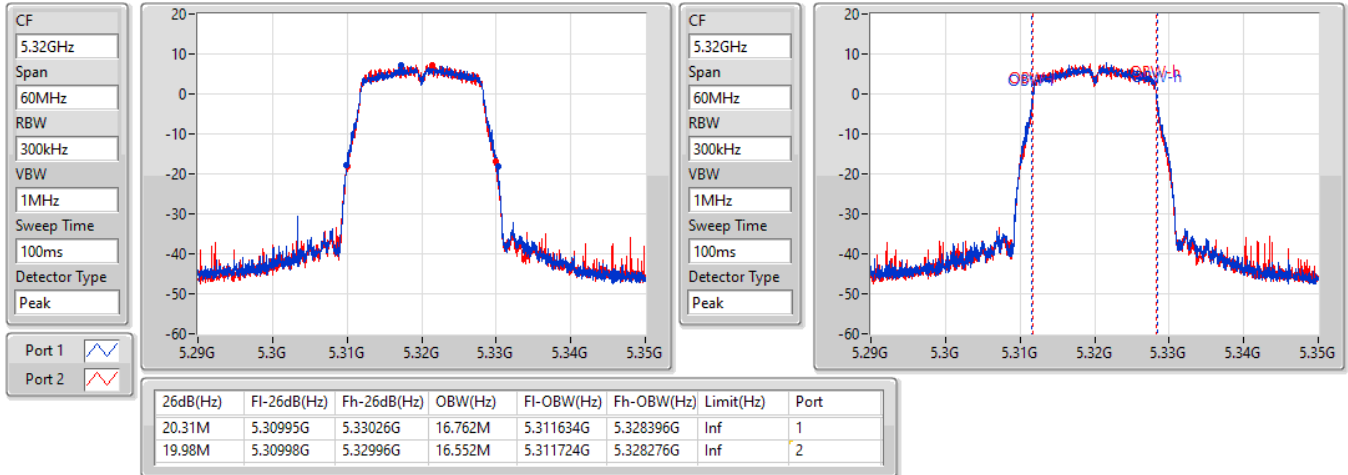


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

23/09/2021

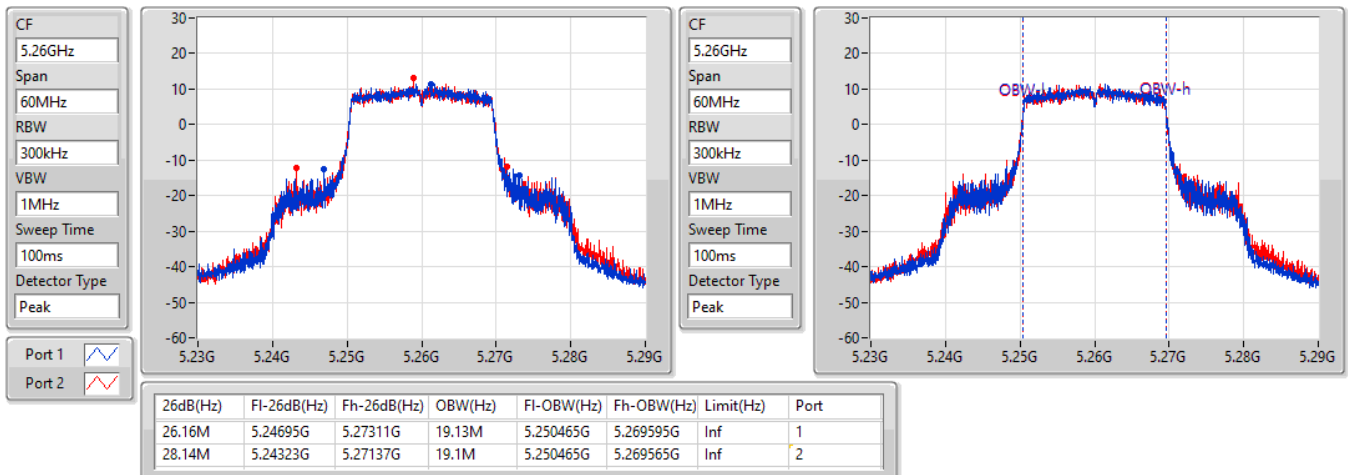


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

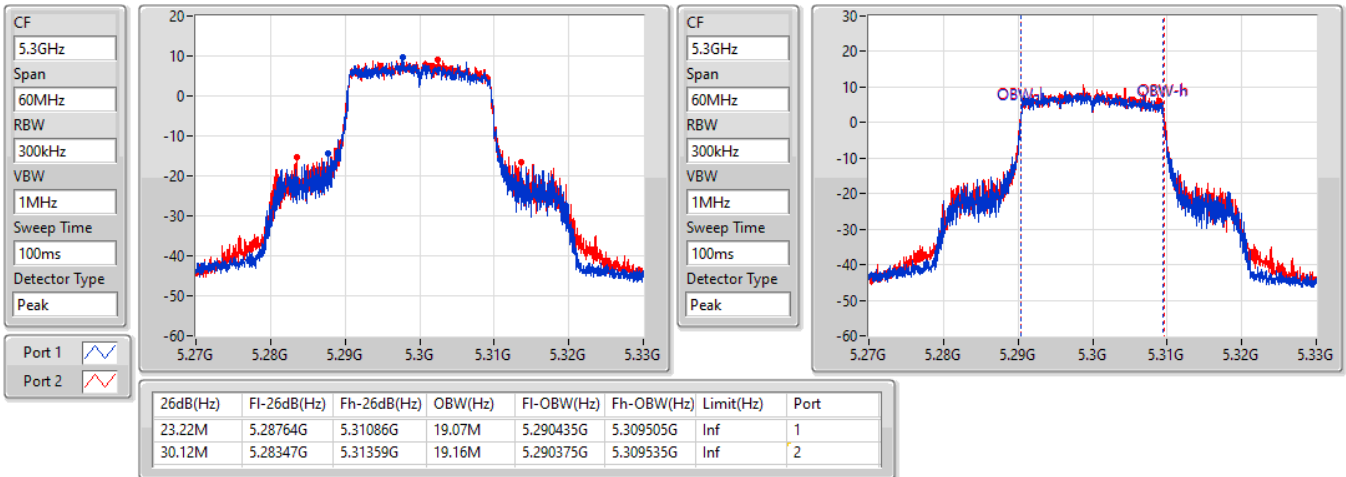
5260MHz

23/09/2021

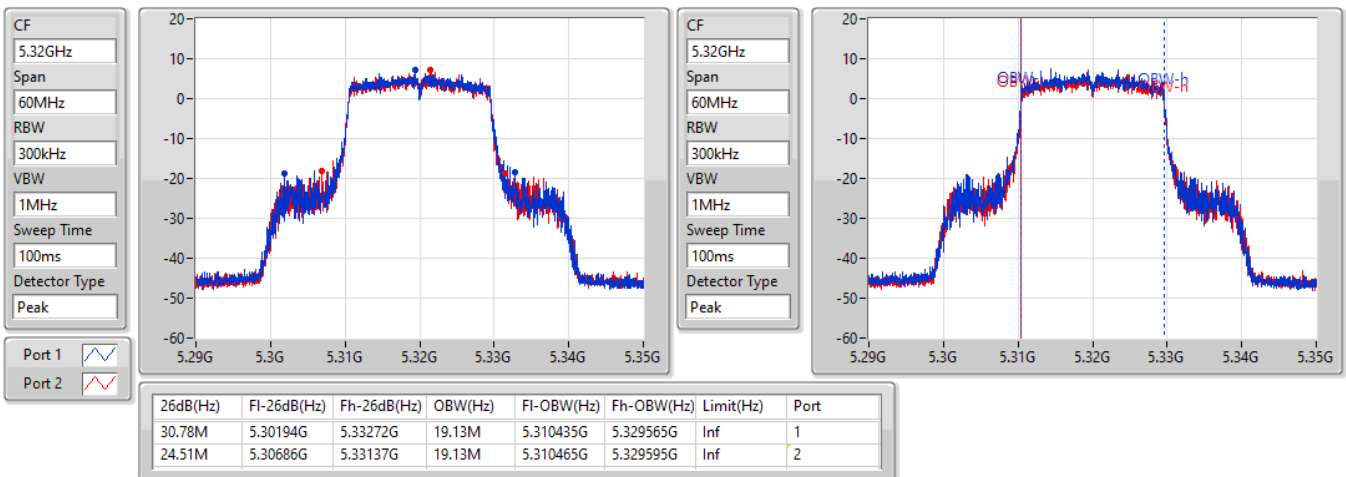


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5300MHz

23/09/2021

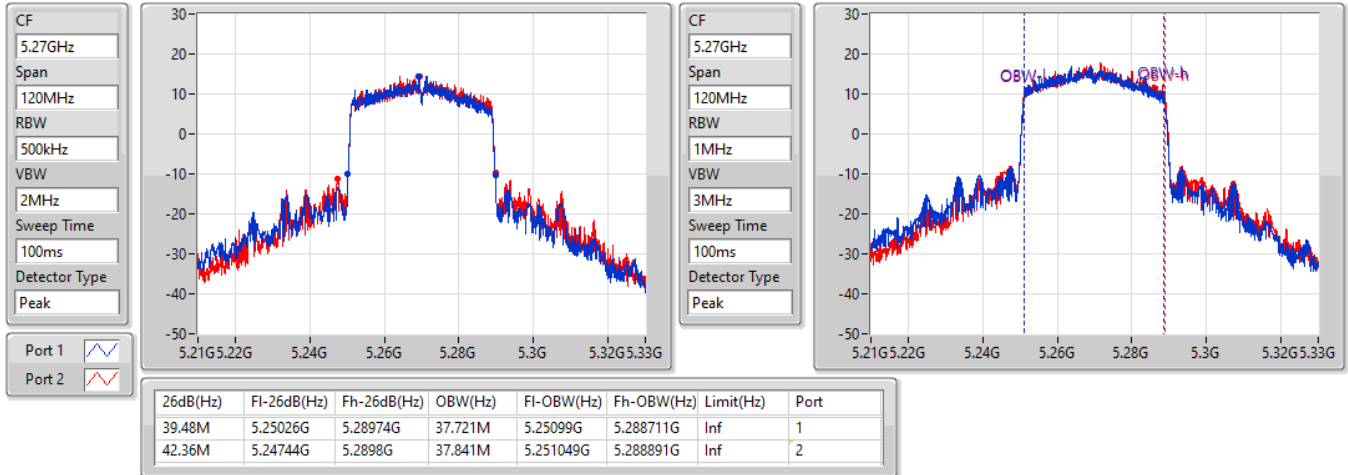

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5320MHz

23/09/2021

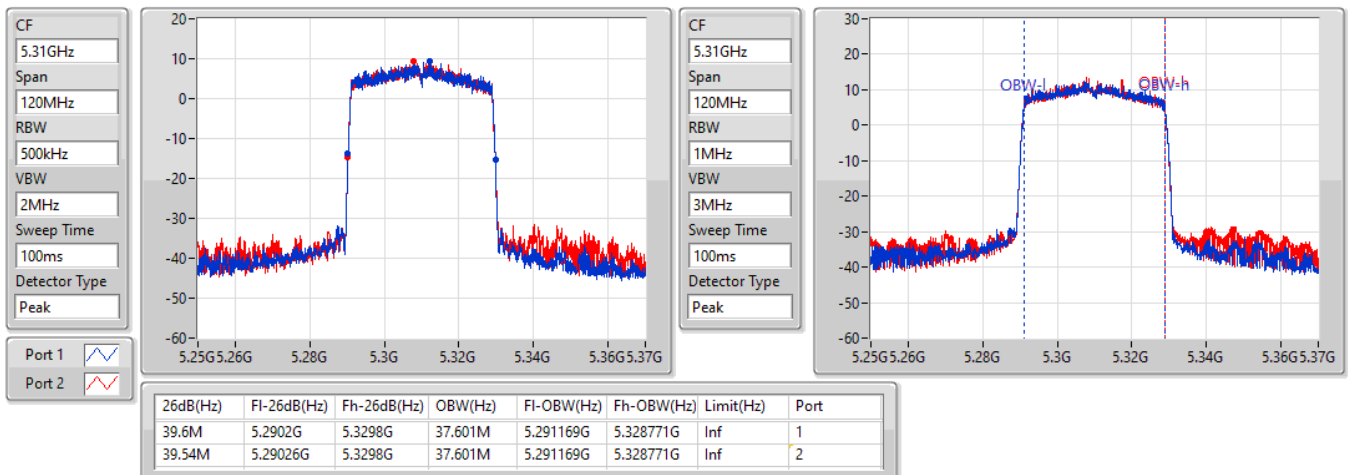


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5270MHz

23/09/2021


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5310MHz

23/09/2021

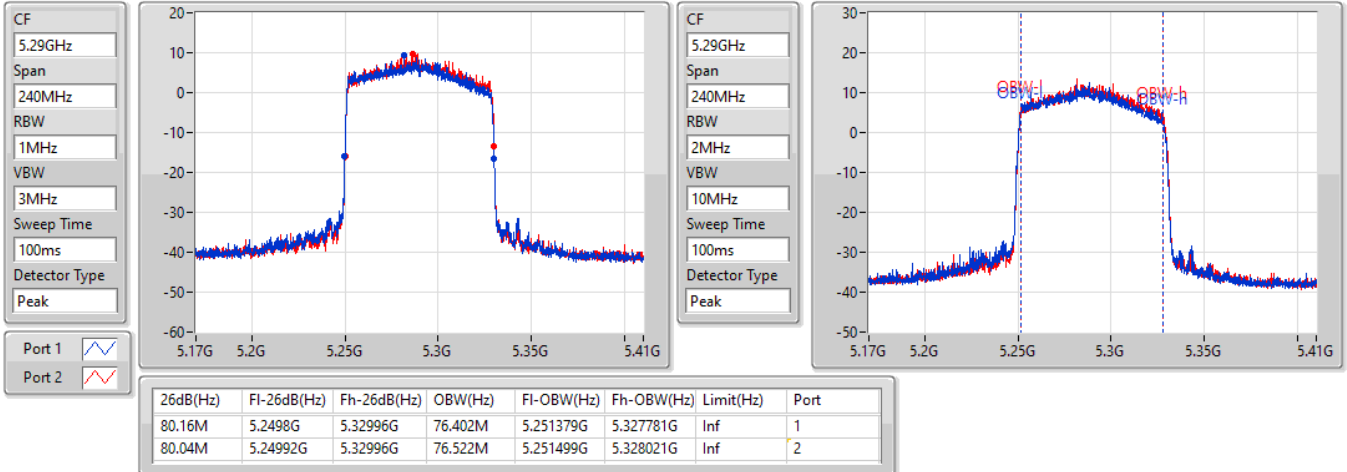


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

23/09/2021



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.13M	19.13M	19M1D1D	24.27M	19.1M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	39.66M	37.781M	37M8D1D	39.6M	37.661M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	80.76M	77.601M	77M6D1D	80.4M	77.121M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

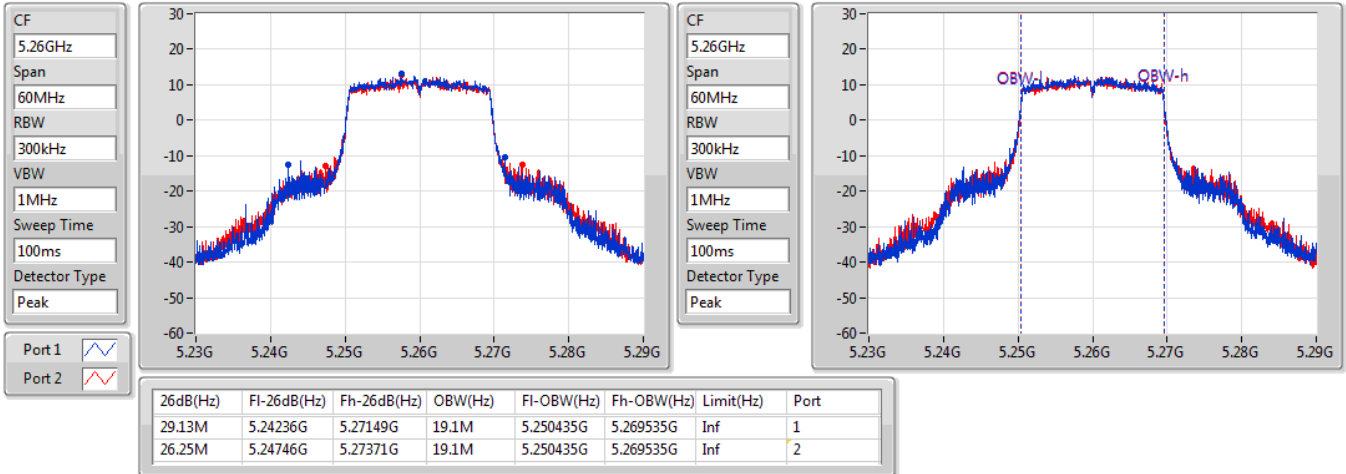
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	29.13M	19.1M	26.25M	19.1M				
5300MHz	Pass	Inf	27.06M	19.13M	28.65M	19.13M				
5320MHz	Pass	Inf	29.01M	19.13M	24.27M	19.13M				
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.66M	37.661M	39.66M	37.721M				
5310MHz	Pass	Inf	39.6M	37.781M	39.6M	37.781M				
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	80.76M	77.601M	80.4M	77.121M				

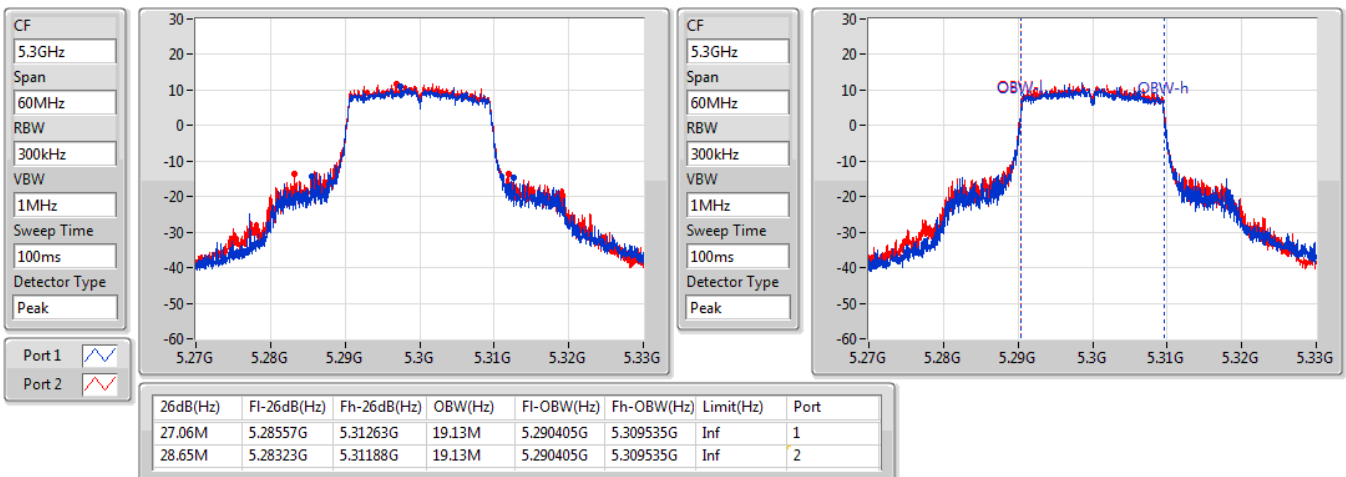
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5260MHz

30/09/2021


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5300MHz

30/09/2021

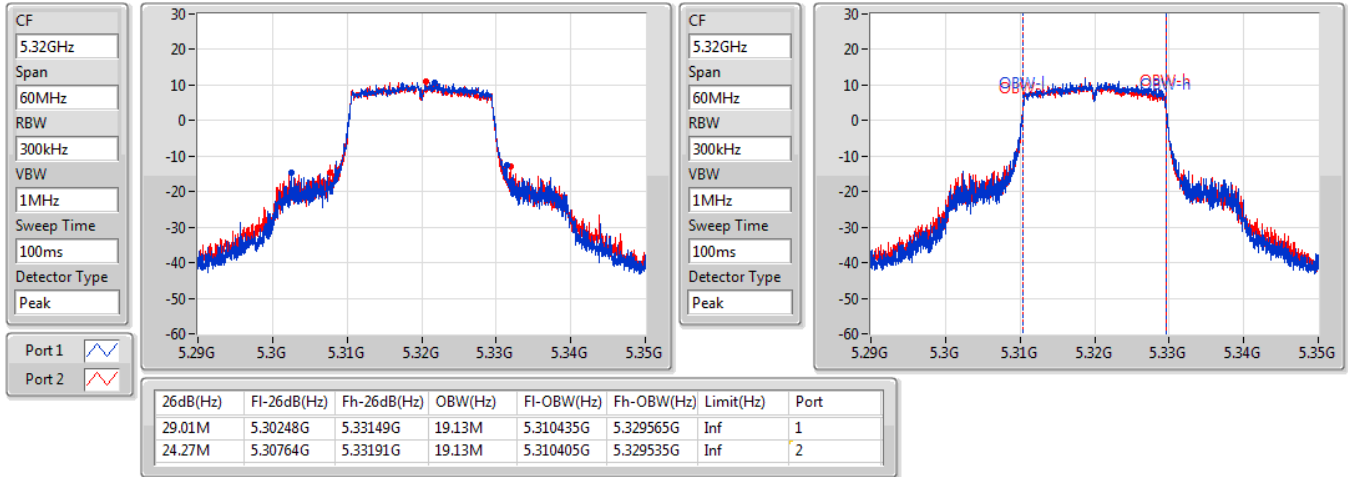


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

5320MHz

30/09/2021

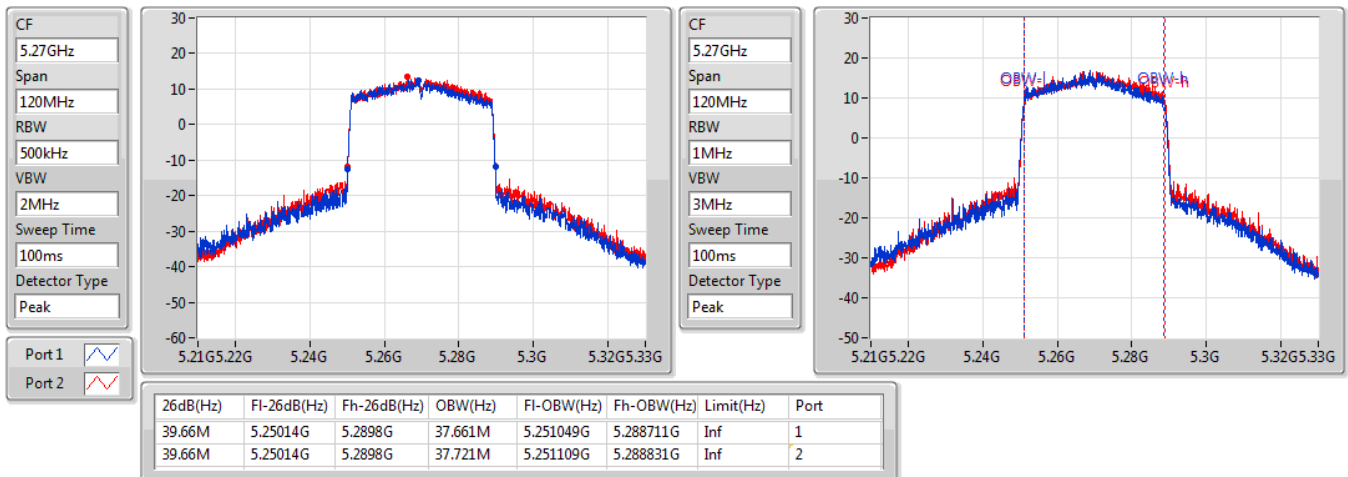


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5270MHz

30/09/2021

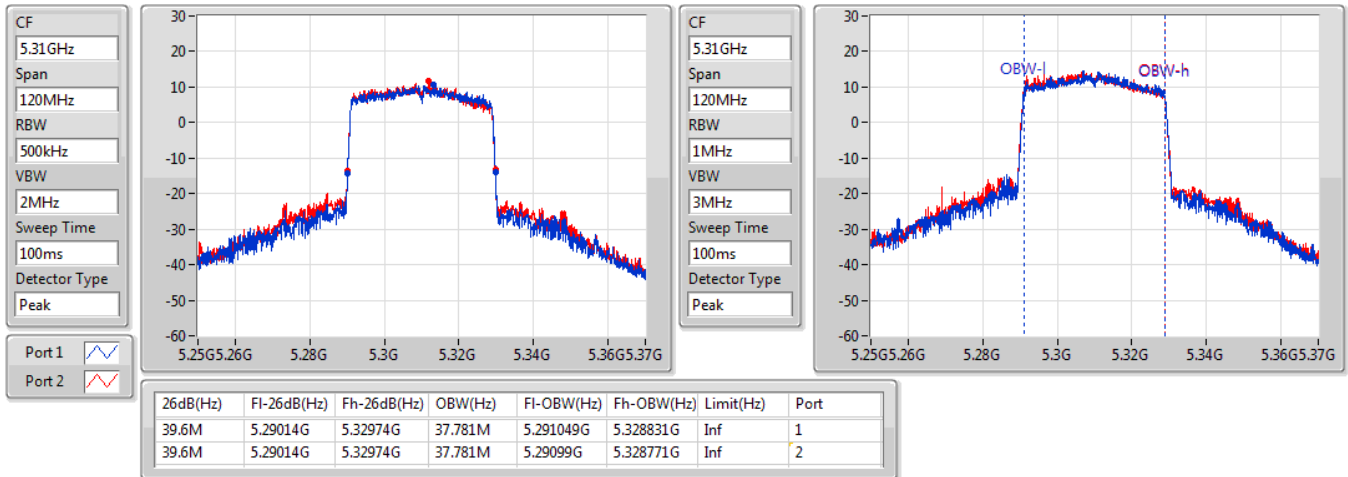


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

5310MHz

30/09/2021

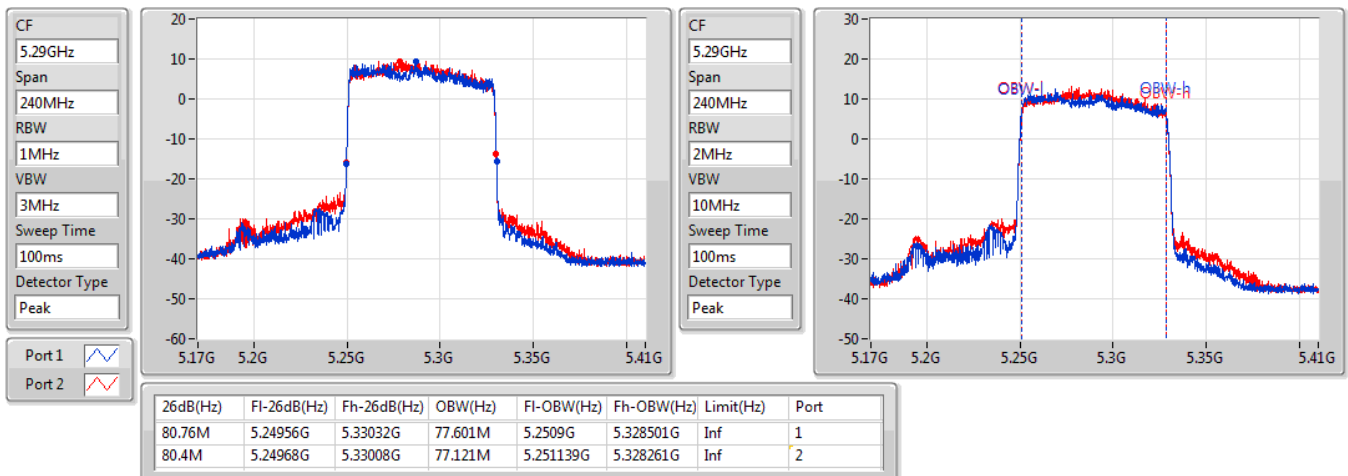


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5290MHz

30/09/2021



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.66	0.11641	24.36	0.27290
802.11ax HEW20_Nss1,(MCS0)_2TX	20.69	0.11722	24.39	0.27479
802.11ax HEW40_Nss1,(MCS0)_2TX	22.26	0.16827	25.96	0.39446
802.11ax HEW80_Nss1,(MCS0)_2TX	16.91	0.04909	20.61	0.11508



Average Power_Non-Beamforming

Appendix B.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	3.70	17.70	17.59			20.66	23.98	24.36	30.00
5300MHz	Pass	3.70	15.52	15.91			18.73	23.98	22.43	30.00
5320MHz	Pass	3.70	15.06	14.81			17.95	23.98	21.65	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	3.70	17.70	17.65			20.69	23.98	24.39	30.00
5300MHz	Pass	3.70	15.09	15.94			18.55	23.98	22.25	30.00
5320MHz	Pass	3.70	13.12	12.78			15.96	23.98	19.66	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	3.70	19.20	19.29			22.26	23.98	25.96	30.00
5310MHz	Pass	3.70	14.36	14.75			17.57	23.98	21.27	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	3.70	13.75	14.05			16.91	23.98	20.61	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.23	0.13274	27.94	0.62230
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.11	0.12912	27.82	0.60534
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	17.56	0.05702	24.27	0.26730

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.71	18.38	18.06			21.23	23.27	27.94	30.00
5300MHz	Pass	6.71	17.15	17.38			20.28	23.27	26.99	30.00
5320MHz	Pass	6.71	17.37	16.61			20.02	23.27	26.73	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	6.71	17.84	18.35			21.11	23.27	27.82	30.00
5310MHz	Pass	6.71	16.08	16.50			19.31	23.27	26.02	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	6.71	14.43	14.66			17.56	23.27	24.27	30.00

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



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.81	15.52
802.11ax HEW20_Nss1,(MCS0)_2TX	8.38	15.09
802.11ax HEW40_Nss1,(MCS0)_2TX	8.10	14.81
802.11ax HEW80_Nss1,(MCS0)_2TX	-0.29	6.42

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.71	5.97	5.73			8.81	10.29	15.52	17.00
5300MHz	Pass	6.71	3.64	4.18			6.90	10.29	13.61	17.00
5320MHz	Pass	6.71	3.09	2.92			5.84	10.29	12.55	17.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.71	5.42	5.47			8.38	10.29	15.09	17.00
5300MHz	Pass	6.71	2.87	3.64			6.21	10.29	12.92	17.00
5320MHz	Pass	6.71	0.96	0.57			3.54	10.29	10.25	17.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	6.71	5.09	5.38			8.10	10.29	14.81	17.00
5310MHz	Pass	6.71	-0.27	0.20			2.91	10.29	9.62	17.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	6.71	-3.57	-2.72			-0.29	10.29	6.42	17.00

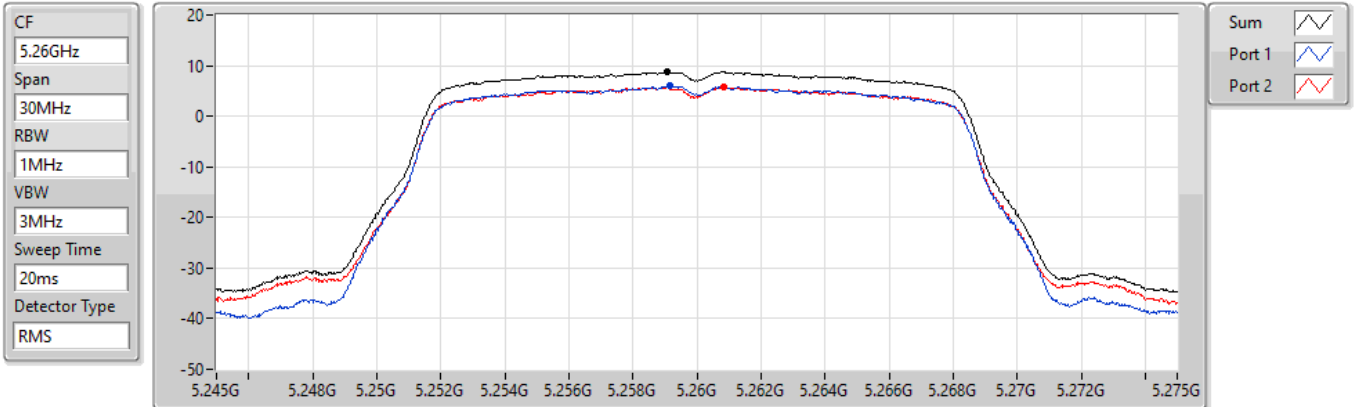
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

23/09/2021

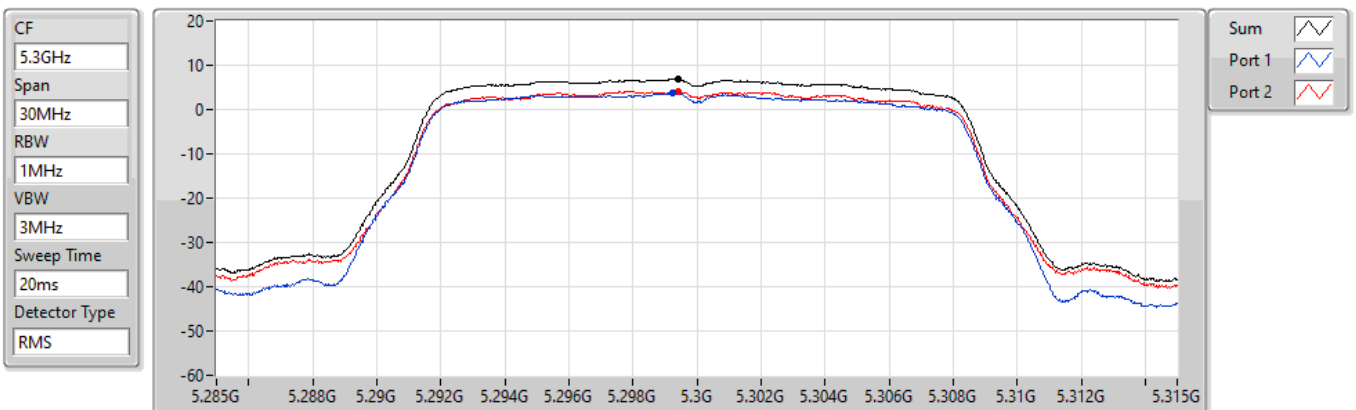


802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

23/09/2021



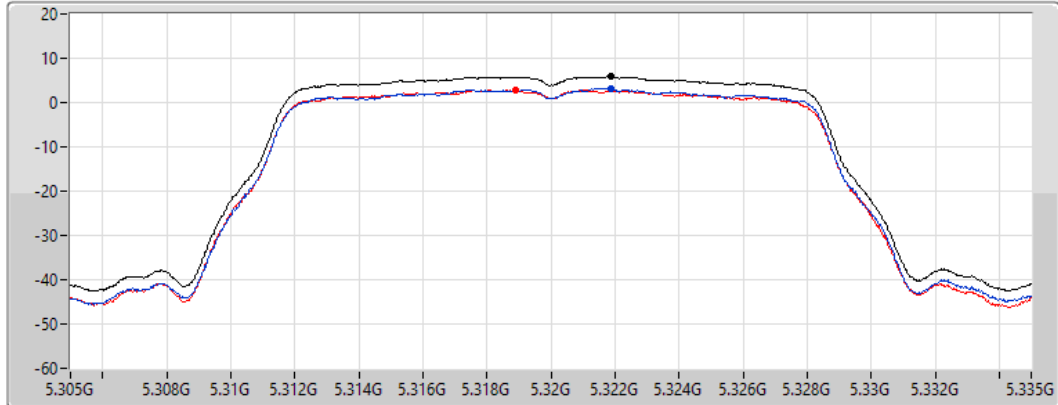
802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

23/09/2021

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.84	5.84	3.09	2.92

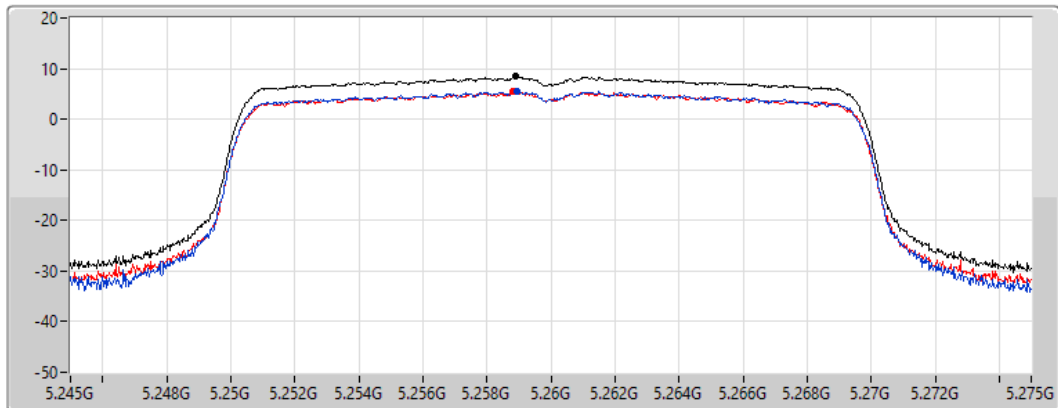
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5260MHz

23/09/2021

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum ☒
Port 1 ☒
Port 2 ☒

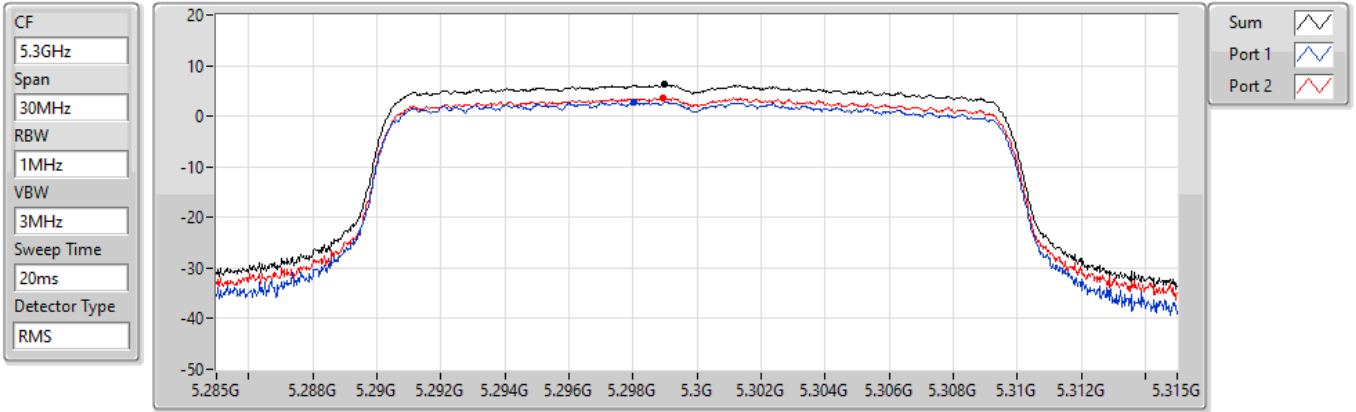
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.38	8.38	5.42	5.47

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5300MHz

23/09/2021

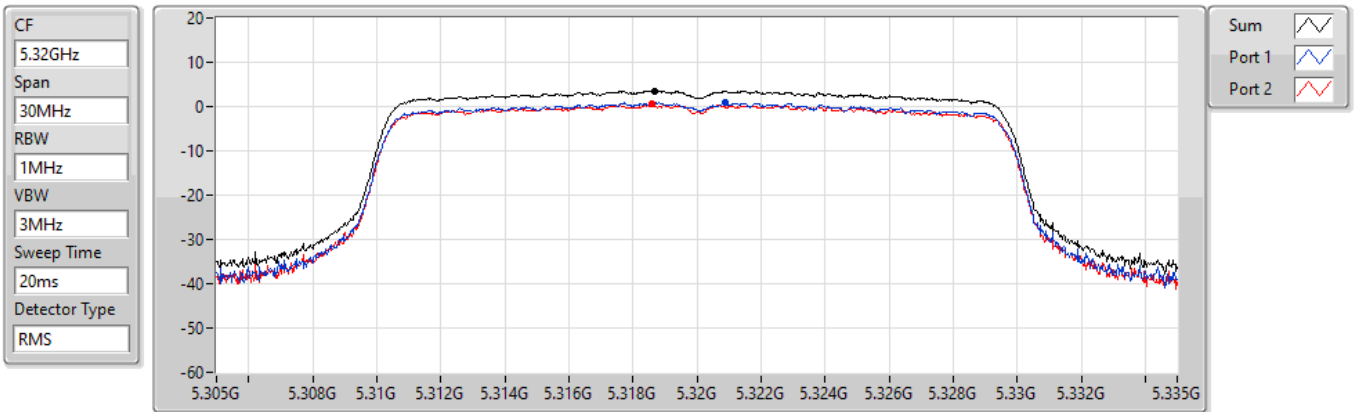


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5320MHz

23/09/2021

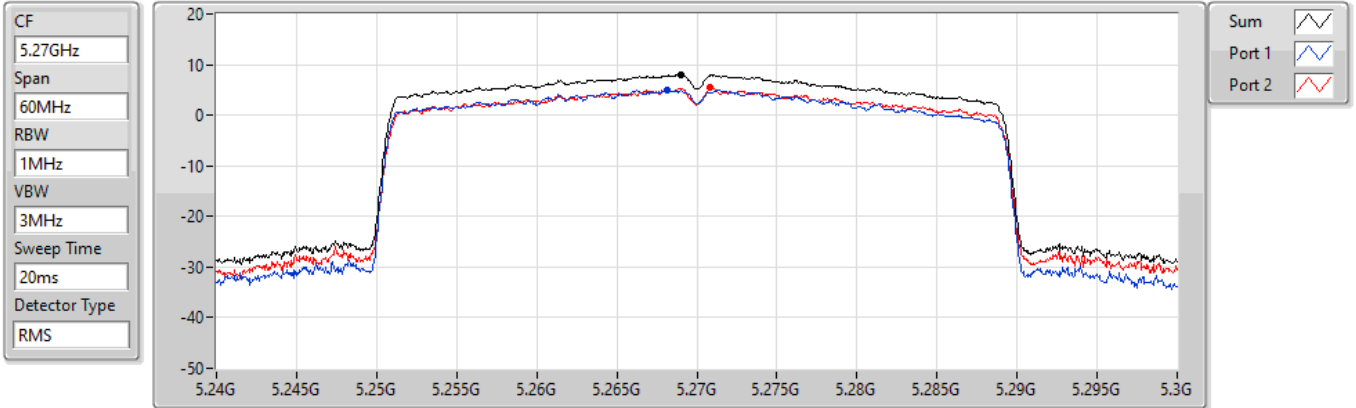


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5270MHz

23/09/2021



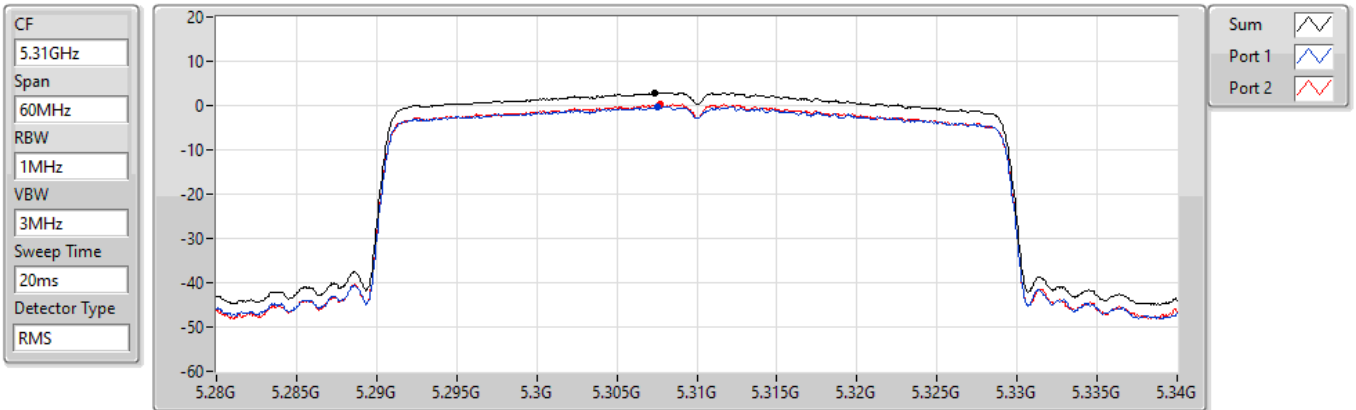
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.10	8.10	5.09	5.38

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5310MHz

23/09/2021



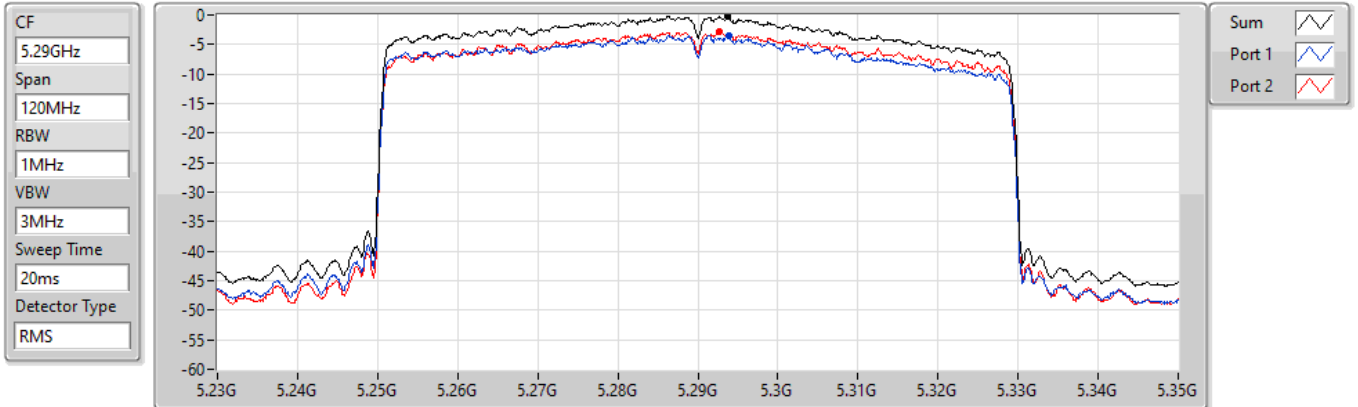
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.91	2.91	-0.27	0.20

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz

PSD

23/09/2021





Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	8.81	15.52
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	7.12	13.83
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-1.06	5.65

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	6.71	6.01	5.76			8.81	10.29	15.52	17.00
5300MHz	Pass	6.71	4.78	5.14			7.93	10.29	14.64	17.00
5320MHz	Pass	6.71	4.71	4.23			7.47	10.29	14.18	17.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	6.71	4.27	4.10			7.12	10.29	13.83	17.00
5310MHz	Pass	6.71	0.64	1.07			3.58	10.29	10.29	17.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	6.71	-4.44	-3.61			-1.06	10.29	5.65	17.00

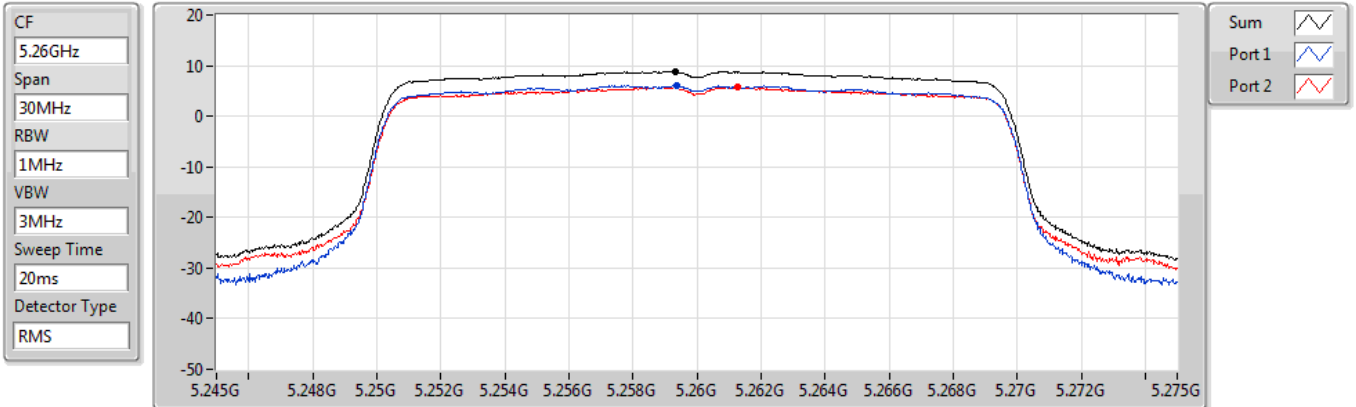
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5260MHz

30/09/2021

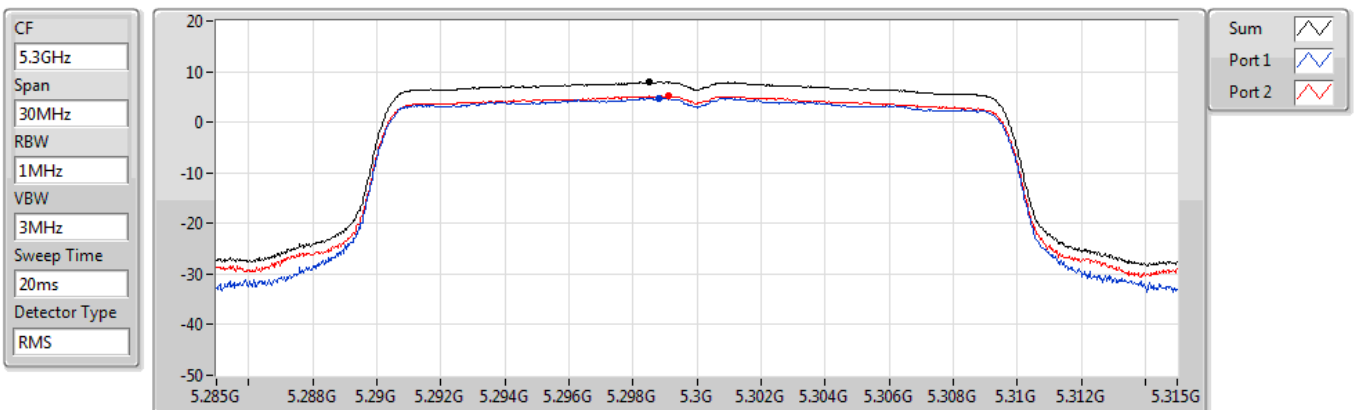


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5300MHz

30/09/2021

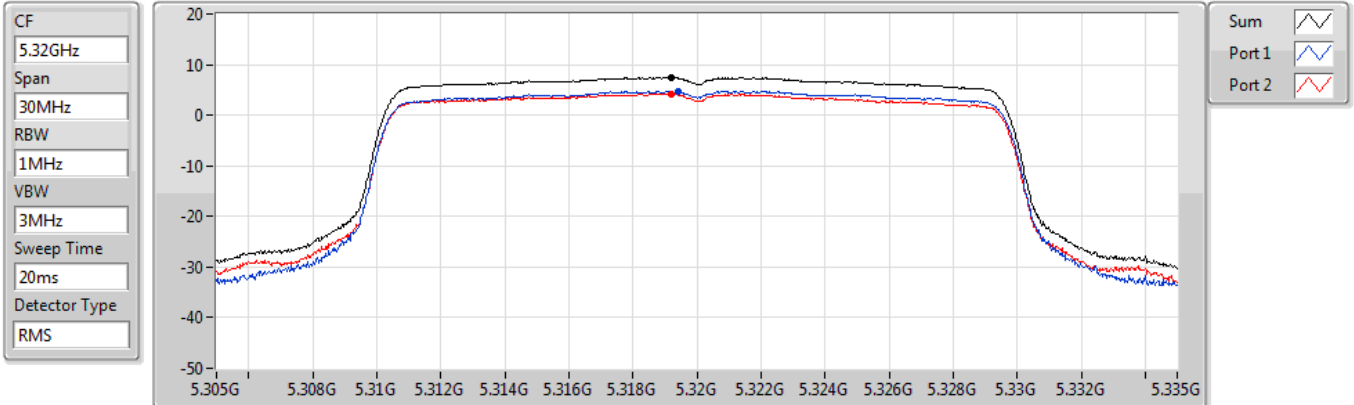


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

5320MHz

30/09/2021

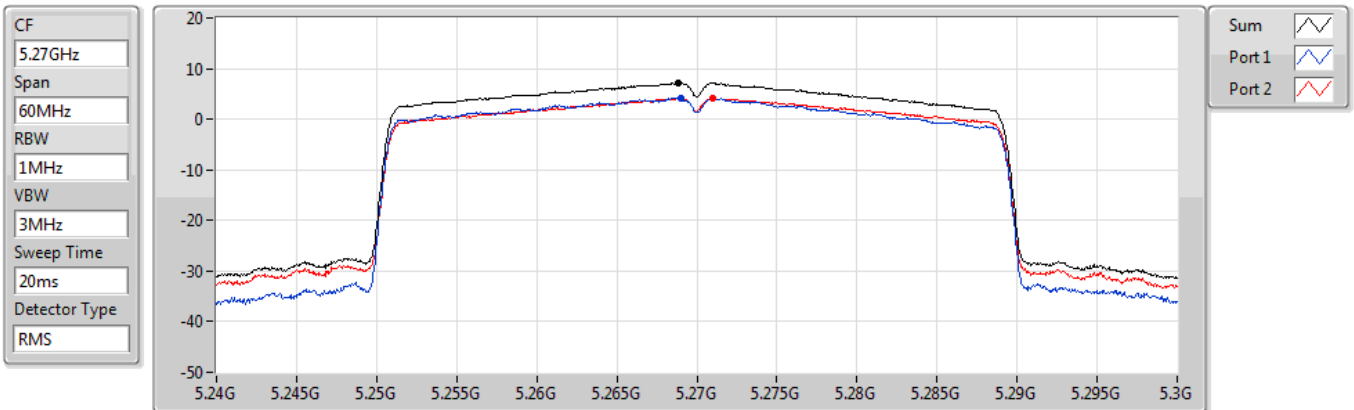


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

5270MHz

30/09/2021

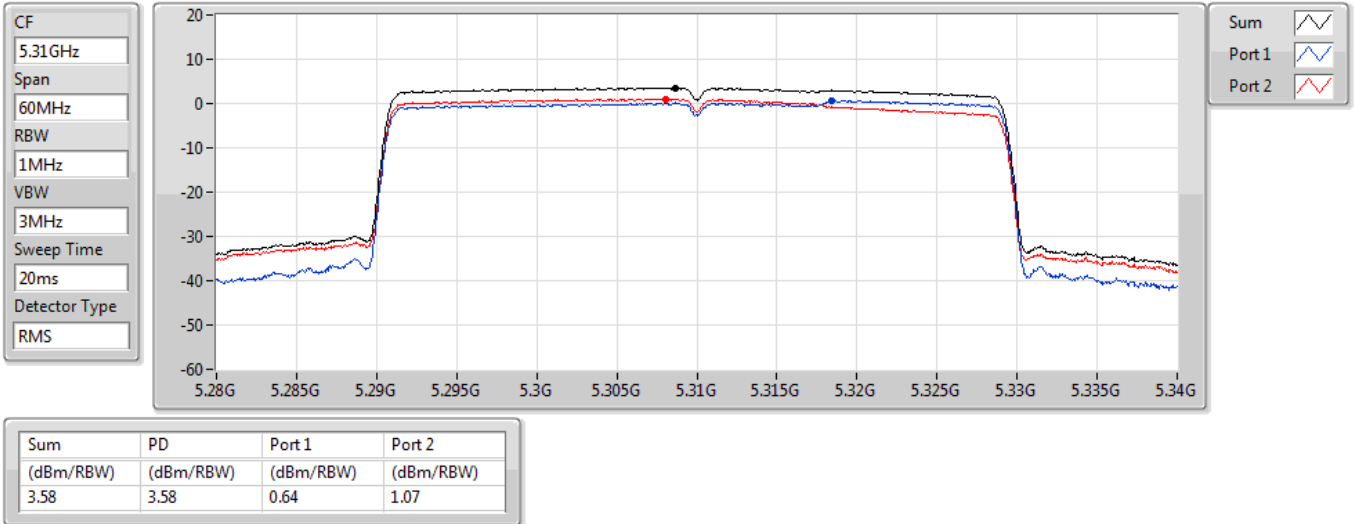


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

5310MHz

30/09/2021

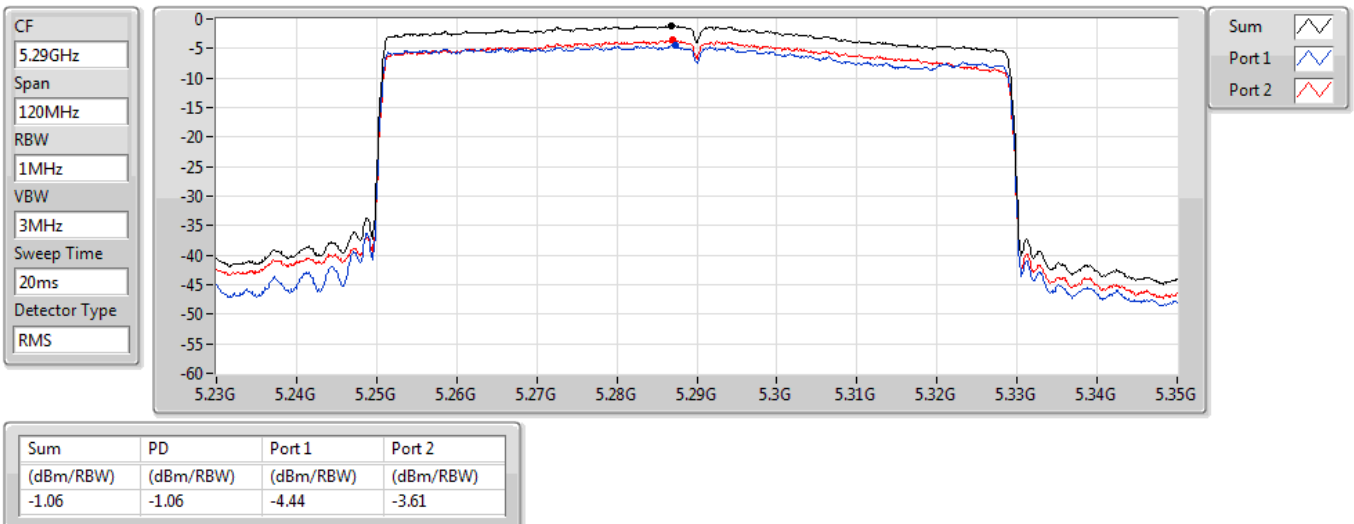


802.11ax HEW80-BF_Nss1,(MCS0)_2TX

PSD

5290MHz

30/09/2021





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	10.63814G	52.77	54.00	-1.23	3	Horizontal	26	1.50	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	10.51952G	66.80	68.20	-1.40	3	Horizontal	25	1.30	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	10.61408G	52.89	54.00	-1.11	3	Horizontal	26	1.27	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.354G	52.47	54.00	-1.53	3	Vertical	64	1.72	-

Result

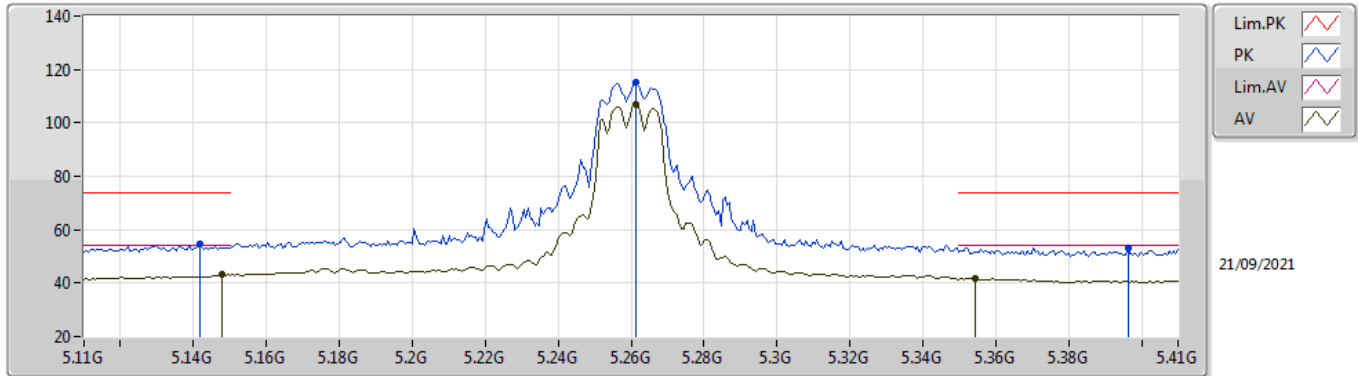
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1478G	43.15	54.00	-10.85	3	Vertical	109	1.68	-
5260MHz	Pass	AV	5.2612G	106.73	Inf	-Inf	3	Vertical	109	1.68	-
5260MHz	Pass	AV	5.3542G	41.60	54.00	-12.40	3	Vertical	109	1.68	-
5260MHz	Pass	PK	5.1418G	54.63	74.00	-19.37	3	Vertical	109	1.68	-
5260MHz	Pass	PK	5.2612G	114.95	Inf	-Inf	3	Vertical	109	1.68	-
5260MHz	Pass	PK	5.3962G	53.32	74.00	-20.68	3	Vertical	109	1.68	-
5260MHz	Pass	AV	5.1226G	41.25	54.00	-12.75	3	Horizontal	219	1.50	-
5260MHz	Pass	AV	5.2606G	95.24	Inf	-Inf	3	Horizontal	219	1.50	-
5260MHz	Pass	AV	5.3878G	40.87	54.00	-13.13	3	Horizontal	219	1.50	-
5260MHz	Pass	PK	5.1256G	53.07	74.00	-20.93	3	Horizontal	219	1.50	-
5260MHz	Pass	PK	5.2606G	103.92	Inf	-Inf	3	Horizontal	219	1.50	-
5260MHz	Pass	PK	5.4034G	53.32	74.00	-20.68	3	Horizontal	219	1.50	-
5260MHz	Pass	AV	15.77928G	45.96	54.00	-8.04	3	Vertical	52	2.27	-
5260MHz	Pass	PK	10.52048G	64.67	68.20	-3.53	3	Vertical	110	1.39	-
5260MHz	Pass	PK	15.77412G	58.44	74.00	-15.56	3	Vertical	52	2.27	-
5260MHz	Pass	AV	15.77928G	46.13	54.00	-7.87	3	Horizontal	158	1.49	-
5260MHz	Pass	PK	10.52312G	66.92	68.20	-1.28	3	Horizontal	25	1.25	-
5260MHz	Pass	PK	15.77874G	58.74	74.00	-15.26	3	Horizontal	158	1.49	-
5300MHz	Pass	AV	5.2984G	105.02	Inf	-Inf	3	Vertical	64	1.82	-
5300MHz	Pass	AV	5.3536G	42.48	54.00	-11.52	3	Vertical	64	1.82	-
5300MHz	Pass	PK	5.2988G	113.33	Inf	-Inf	3	Vertical	64	1.82	-
5300MHz	Pass	PK	5.3508G	53.63	74.00	-20.37	3	Vertical	64	1.82	-
5300MHz	Pass	AV	5.2972G	93.94	Inf	-Inf	3	Horizontal	211	1.58	-
5300MHz	Pass	AV	5.3864G	40.95	54.00	-13.05	3	Horizontal	211	1.58	-
5300MHz	Pass	PK	5.2972G	102.40	Inf	-Inf	3	Horizontal	211	1.58	-
5300MHz	Pass	PK	5.3896G	52.50	74.00	-21.50	3	Horizontal	211	1.58	-
5300MHz	Pass	AV	15.89676G	43.32	54.00	-10.68	3	Vertical	49	2.26	-
5300MHz	Pass	PK	10.59972G	64.84	68.20	-3.36	3	Vertical	283	1.71	-
5300MHz	Pass	PK	15.89538G	55.46	74.00	-18.54	3	Vertical	49	2.26	-
5300MHz	Pass	AV	15.90048G	43.68	54.00	-10.32	3	Horizontal	158	1.49	-
5300MHz	Pass	PK	10.59788G	66.76	68.20	-1.44	3	Horizontal	24	1.42	-
5300MHz	Pass	PK	15.8961G	56.61	74.00	-17.39	3	Horizontal	158	1.49	-
5320MHz	Pass	AV	5.3208G	104.71	Inf	-Inf	3	Vertical	65	1.75	-
5320MHz	Pass	AV	5.3506G	44.46	54.00	-9.54	3	Vertical	65	1.75	-
5320MHz	Pass	PK	5.3206G	112.90	Inf	-Inf	3	Vertical	65	1.75	-
5320MHz	Pass	PK	5.3502G	67.13	74.00	-6.87	3	Vertical	65	1.75	-
5320MHz	Pass	AV	5.3194G	92.73	Inf	-Inf	3	Horizontal	211	1.63	-
5320MHz	Pass	AV	5.35G	40.85	54.00	-13.15	3	Horizontal	211	1.63	-
5320MHz	Pass	PK	5.3192G	101.06	Inf	-Inf	3	Horizontal	211	1.63	-
5320MHz	Pass	PK	5.3532G	53.22	74.00	-20.78	3	Horizontal	211	1.63	-
5320MHz	Pass	AV	10.6397G	50.25	54.00	-3.75	3	Vertical	286	1.74	-
5320MHz	Pass	AV	15.95814G	43.02	54.00	-10.98	3	Vertical	57	2.05	-
5320MHz	Pass	PK	10.6388G	64.08	74.00	-9.92	3	Vertical	286	1.74	-
5320MHz	Pass	PK	15.95298G	55.64	74.00	-18.36	3	Vertical	57	2.05	-
5320MHz	Pass	AV	10.63814G	52.77	54.00	-1.23	3	Horizontal	26	1.50	-
5320MHz	Pass	AV	15.9588G	43.59	54.00	-10.41	3	Horizontal	157	1.50	-
5320MHz	Pass	PK	10.63844G	66.37	74.00	-7.63	3	Horizontal	26	1.50	-
5320MHz	Pass	PK	15.95358G	56.74	74.00	-17.26	3	Horizontal	157	1.50	-
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1478G	45.35	54.00	-8.65	3	Vertical	108	1.69	-
5260MHz	Pass	AV	5.2618G	106.37	Inf	-Inf	3	Vertical	108	1.69	-
5260MHz	Pass	AV	5.35G	43.83	54.00	-10.17	3	Vertical	108	1.69	-
5260MHz	Pass	PK	5.116G	54.41	74.00	-19.59	3	Vertical	108	1.69	-
5260MHz	Pass	PK	5.2618G	116.28	Inf	-Inf	3	Vertical	108	1.69	-
5260MHz	Pass	PK	5.3554G	53.30	74.00	-20.70	3	Vertical	108	1.69	-
5260MHz	Pass	AV	5.1244G	43.74	54.00	-10.26	3	Horizontal	211	1.67	-
5260MHz	Pass	AV	5.2588G	96.22	Inf	-Inf	3	Horizontal	211	1.67	-
5260MHz	Pass	AV	5.4094G	43.13	54.00	-10.87	3	Horizontal	211	1.67	-
5260MHz	Pass	PK	5.1184G	53.35	74.00	-20.65	3	Horizontal	211	1.67	-
5260MHz	Pass	PK	5.2582G	105.52	Inf	-Inf	3	Horizontal	211	1.67	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	PK	5.3884G	52.29	74.00	-21.71	3	Horizontal	211	1.67	-
5260MHz	Pass	AV	15.77196G	47.72	54.00	-6.28	3	Vertical	53	2.23	-
5260MHz	Pass	PK	10.52042G	65.05	68.20	-3.15	3	Vertical	111	1.37	-
5260MHz	Pass	PK	15.77448G	57.02	74.00	-16.98	3	Vertical	53	2.23	-
5260MHz	Pass	AV	15.77724G	47.91	54.00	-6.09	3	Horizontal	158	1.50	-
5260MHz	Pass	PK	10.51952G	66.80	68.20	-1.40	3	Horizontal	25	1.30	-
5260MHz	Pass	PK	15.78426G	58.25	74.00	-15.75	3	Horizontal	158	1.50	-
5300MHz	Pass	AV	5.2992G	105.27	Inf	-Inf	3	Vertical	65	1.78	-
5300MHz	Pass	AV	5.3524G	45.47	54.00	-8.53	3	Vertical	65	1.78	-
5300MHz	Pass	PK	5.2968G	115.84	Inf	-Inf	3	Vertical	65	1.78	-
5300MHz	Pass	PK	5.352G	53.95	74.00	-20.05	3	Vertical	65	1.78	-
5300MHz	Pass	AV	5.3008G	93.85	Inf	-Inf	3	Horizontal	210	1.67	-
5300MHz	Pass	AV	5.3864G	43.26	54.00	-10.74	3	Horizontal	210	1.67	-
5300MHz	Pass	PK	5.3012G	103.19	Inf	-Inf	3	Horizontal	210	1.67	-
5300MHz	Pass	PK	5.3856G	52.46	74.00	-21.54	3	Horizontal	210	1.67	-
5300MHz	Pass	AV	15.89208G	45.51	54.00	-8.49	3	Vertical	51	1.50	-
5300MHz	Pass	PK	10.59754G	61.99	68.20	-6.21	3	Vertical	238	1.50	-
5300MHz	Pass	PK	15.90714G	55.02	74.00	-18.98	3	Vertical	51	1.50	-
5300MHz	Pass	AV	15.89682G	45.91	54.00	-8.09	3	Horizontal	158	1.50	-
5300MHz	Pass	PK	10.59646G	66.05	68.20	-2.15	3	Horizontal	25	1.35	-
5300MHz	Pass	PK	15.89898G	55.97	74.00	-18.03	3	Horizontal	158	1.50	-
5320MHz	Pass	AV	5.3176G	102.57	Inf	-Inf	3	Vertical	66	1.84	-
5320MHz	Pass	AV	5.3504G	45.32	54.00	-8.68	3	Vertical	66	1.84	-
5320MHz	Pass	PK	5.3154G	112.84	Inf	-Inf	3	Vertical	66	1.84	-
5320MHz	Pass	PK	5.3506G	56.14	74.00	-17.86	3	Vertical	66	1.84	-
5320MHz	Pass	AV	5.3176G	91.02	Inf	-Inf	3	Horizontal	211	1.62	-
5320MHz	Pass	AV	5.3586G	43.13	54.00	-10.87	3	Horizontal	211	1.62	-
5320MHz	Pass	PK	5.3224G	100.52	Inf	-Inf	3	Horizontal	211	1.62	-
5320MHz	Pass	PK	5.3592G	52.50	74.00	-21.50	3	Horizontal	211	1.62	-
5320MHz	Pass	AV	10.63736G	49.74	54.00	-4.26	3	Vertical	284	1.71	-
5320MHz	Pass	AV	15.97434G	45.11	54.00	-8.89	3	Vertical	17	2.02	-
5320MHz	Pass	PK	10.6346G	60.56	74.00	-13.44	3	Vertical	284	1.71	-
5320MHz	Pass	PK	15.9531G	55.05	74.00	-18.95	3	Vertical	17	2.02	-
5320MHz	Pass	AV	10.63898G	52.09	54.00	-1.91	3	Horizontal	26	1.49	-
5320MHz	Pass	AV	15.96618G	45.37	54.00	-8.63	3	Horizontal	302	1.50	-
5320MHz	Pass	PK	10.63388G	61.25	74.00	-12.75	3	Horizontal	26	1.49	-
5320MHz	Pass	PK	15.96312G	55.10	74.00	-18.90	3	Horizontal	302	1.50	-
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	AV	5.2708G	106.63	Inf	-Inf	3	Vertical	108	1.61	-
5270MHz	Pass	AV	5.3508G	48.42	54.00	-5.58	3	Vertical	108	1.61	-
5270MHz	Pass	PK	5.268G	117.18	Inf	-Inf	3	Vertical	108	1.61	-
5270MHz	Pass	PK	5.3508G	60.82	74.00	-13.18	3	Vertical	108	1.61	-
5270MHz	Pass	AV	5.2676G	95.29	Inf	-Inf	3	Horizontal	212	1.58	-
5270MHz	Pass	AV	5.3572G	42.90	54.00	-11.10	3	Horizontal	212	1.58	-
5270MHz	Pass	PK	5.2676G	104.80	Inf	-Inf	3	Horizontal	212	1.58	-
5270MHz	Pass	PK	5.3504G	52.57	74.00	-21.43	3	Horizontal	212	1.58	-
5270MHz	Pass	AV	15.8044G	48.23	54.00	-5.77	3	Vertical	51	2.26	-
5270MHz	Pass	PK	10.54104G	64.39	68.20	-3.81	3	Vertical	242	1.63	-
5270MHz	Pass	PK	15.79976G	58.88	74.00	-15.12	3	Vertical	51	2.26	-
5270MHz	Pass	AV	15.80944G	49.80	54.00	-4.20	3	Horizontal	157	1.50	-
5270MHz	Pass	PK	10.53912G	66.47	68.20	-1.73	3	Horizontal	25	1.38	-
5270MHz	Pass	PK	15.80704G	60.06	74.00	-13.94	3	Horizontal	157	1.50	-
5310MHz	Pass	AV	5.3116G	102.50	Inf	-Inf	3	Vertical	65	1.87	-
5310MHz	Pass	AV	5.3536G	49.61	54.00	-4.39	3	Vertical	65	1.87	-
5310MHz	Pass	PK	5.3116G	111.81	Inf	-Inf	3	Vertical	65	1.87	-
5310MHz	Pass	PK	5.352G	66.38	74.00	-7.62	3	Vertical	65	1.87	-
5310MHz	Pass	AV	5.3112G	91.24	Inf	-Inf	3	Horizontal	211	1.63	-
5310MHz	Pass	AV	5.372G	43.42	54.00	-10.58	3	Horizontal	211	1.63	-
5310MHz	Pass	PK	5.3108G	101.01	Inf	-Inf	3	Horizontal	211	1.63	-
5310MHz	Pass	PK	5.3612G	54.64	74.00	-19.36	3	Horizontal	211	1.63	-
5310MHz	Pass	AV	10.62032G	50.94	54.00	-3.06	3	Vertical	285	1.58	-
5310MHz	Pass	AV	15.92976G	45.17	54.00	-8.83	3	Vertical	65	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5310MHz	Pass	PK	10.6168G	60.16	74.00	-13.84	3	Vertical	285	1.58	-
5310MHz	Pass	PK	15.93856G	54.58	74.00	-19.42	3	Vertical	65	1.50	-
5310MHz	Pass	AV	10.61408G	52.89	54.00	-1.11	3	Horizontal	26	1.27	-
5310MHz	Pass	AV	15.91104G	45.44	54.00	-8.56	3	Horizontal	158	1.32	-
5310MHz	Pass	PK	10.6196G	62.81	74.00	-11.19	3	Horizontal	26	1.27	-
5310MHz	Pass	PK	15.9348G	54.72	74.00	-19.28	3	Horizontal	158	1.32	-
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	AV	5.149G	44.26	54.00	-9.74	3	Vertical	64	1.72	-
5290MHz	Pass	AV	5.289G	99.80	Inf	-Inf	3	Vertical	64	1.72	-
5290MHz	Pass	AV	5.354G	52.47	54.00	-1.53	3	Vertical	64	1.72	-
5290MHz	Pass	PK	5.115G	53.86	74.00	-20.14	3	Vertical	64	1.72	-
5290MHz	Pass	PK	5.289G	109.32	Inf	-Inf	3	Vertical	64	1.72	-
5290MHz	Pass	PK	5.353G	61.80	74.00	-12.20	3	Vertical	64	1.72	-
5290MHz	Pass	AV	5.127G	43.49	54.00	-10.51	3	Horizontal	211	1.65	-
5290MHz	Pass	AV	5.289G	88.38	Inf	-Inf	3	Horizontal	211	1.65	-
5290MHz	Pass	AV	5.354G	44.08	54.00	-9.92	3	Horizontal	211	1.65	-
5290MHz	Pass	PK	5.117G	53.49	74.00	-20.51	3	Horizontal	211	1.65	-
5290MHz	Pass	PK	5.293G	98.08	Inf	-Inf	3	Horizontal	211	1.65	-
5290MHz	Pass	PK	5.535G	53.36	68.20	-14.84	3	Horizontal	211	1.65	-
5290MHz	Pass	AV	15.87248G	45.46	54.00	-8.54	3	Vertical	306	1.50	-
5290MHz	Pass	PK	10.58512G	57.84	68.20	-10.36	3	Vertical	239	1.50	-
5290MHz	Pass	PK	15.87808G	54.68	74.00	-19.32	3	Vertical	306	1.50	-
5290MHz	Pass	AV	15.8764G	45.31	54.00	-8.69	3	Horizontal	0	1.50	-
5290MHz	Pass	PK	10.59168G	59.91	68.20	-8.29	3	Horizontal	28	1.36	-
5290MHz	Pass	PK	15.88888G	55.54	74.00	-18.46	3	Horizontal	0	1.50	-

802.11a_Nss1,(6Mbps)_2TX

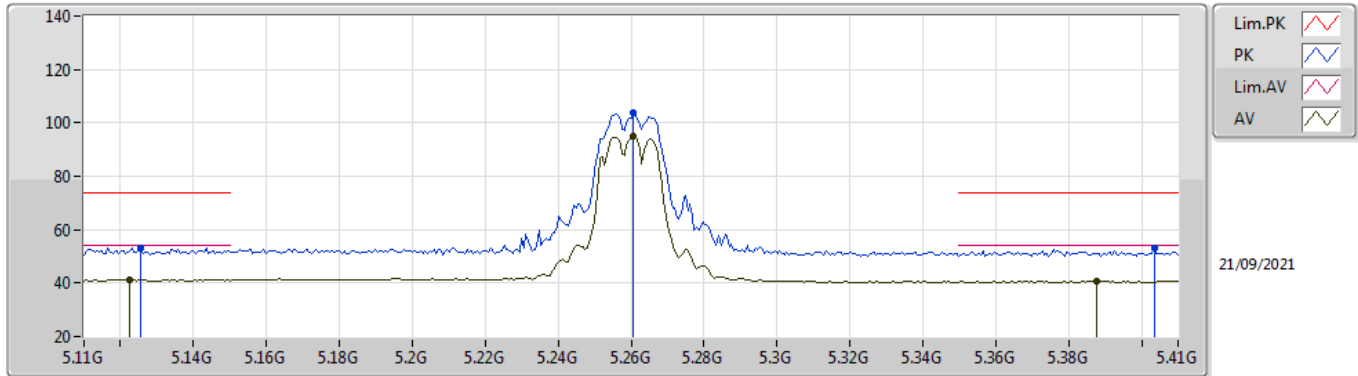
5260MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1478G	43.15	54.00	-10.85	4.05	3	Vertical	109	1.68	-	39.10	32.00	6.49	34.44
AV	5.2612G	106.73	Inf	-Inf	3.58	3	Vertical	109	1.68	-	103.15	31.43	6.60	34.45
AV	5.3542G	41.60	54.00	-12.40	3.39	3	Vertical	109	1.68	-	38.21	31.13	6.71	34.45
PK	5.1418G	54.63	74.00	-19.37	4.05	3	Vertical	109	1.68	-	50.58	32.00	6.49	34.44
PK	5.2612G	114.95	Inf	-Inf	3.58	3	Vertical	109	1.68	-	111.37	31.43	6.60	34.45
PK	5.3962G	53.32	74.00	-20.68	3.78	3	Vertical	109	1.68	-	49.54	31.47	6.76	34.45

802.11a_Nss1,(6Mbps)_2TX

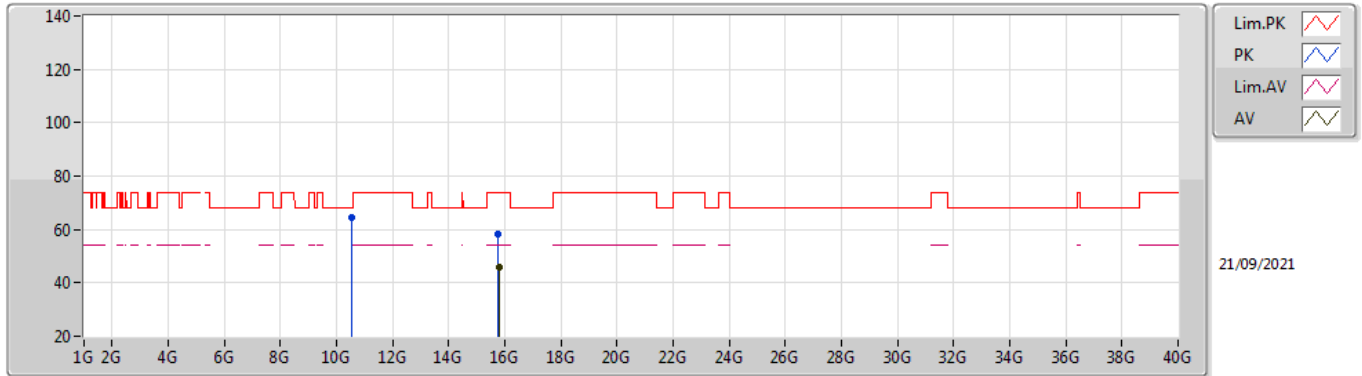
5260MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1226G	41.25	54.00	-12.75	4.03	3	Horizontal	219	1.50	-	37.22	32.00	6.47	34.44
AV	5.2606G	95.24	Inf	-Inf	3.59	3	Horizontal	219	1.50	-	91.65	31.44	6.60	34.45
AV	5.3878G	40.87	54.00	-13.13	3.70	3	Horizontal	219	1.50	-	37.17	31.40	6.75	34.45
PK	5.1256G	53.07	74.00	-20.93	4.03	3	Horizontal	219	1.50	-	49.04	32.00	6.47	34.44
PK	5.2606G	103.92	Inf	-Inf	3.59	3	Horizontal	219	1.50	-	100.33	31.44	6.60	34.45
PK	5.4034G	53.32	74.00	-20.68	3.82	3	Horizontal	219	1.50	-	49.50	31.51	6.76	34.45

802.11a_Nss1,(6Mbps)_2TX

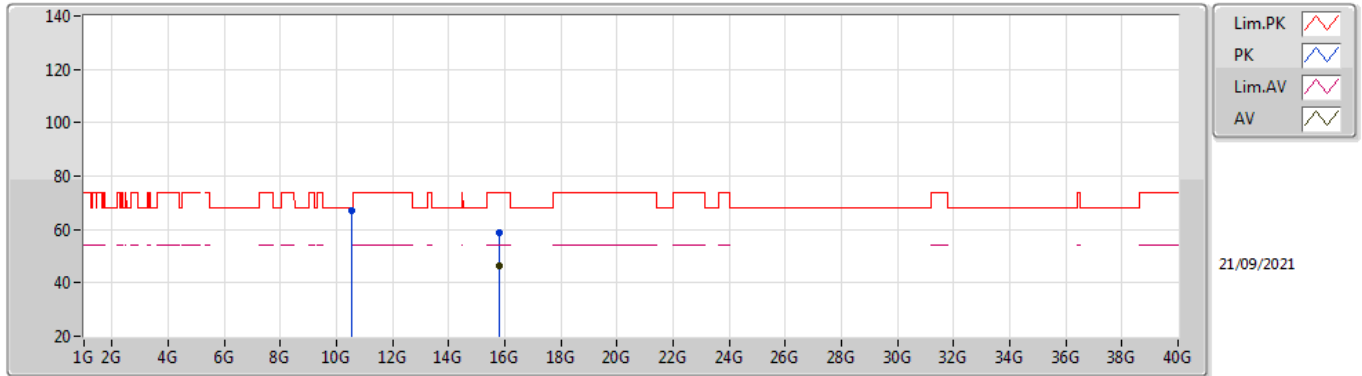
5260MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.77928G	45.96	54.00	-8.04	14.43	3	Vertical	52	2.27	-	31.53	37.32	11.74	34.63
PK	10.52048G	64.67	68.20	-3.53	14.77	3	Vertical	110	1.39	-	49.90	39.68	9.56	34.47
PK	15.77412G	58.44	74.00	-15.56	14.43	3	Vertical	52	2.27	-	44.01	37.33	11.73	34.63

802.11a_Nss1,(6Mbps)_2TX

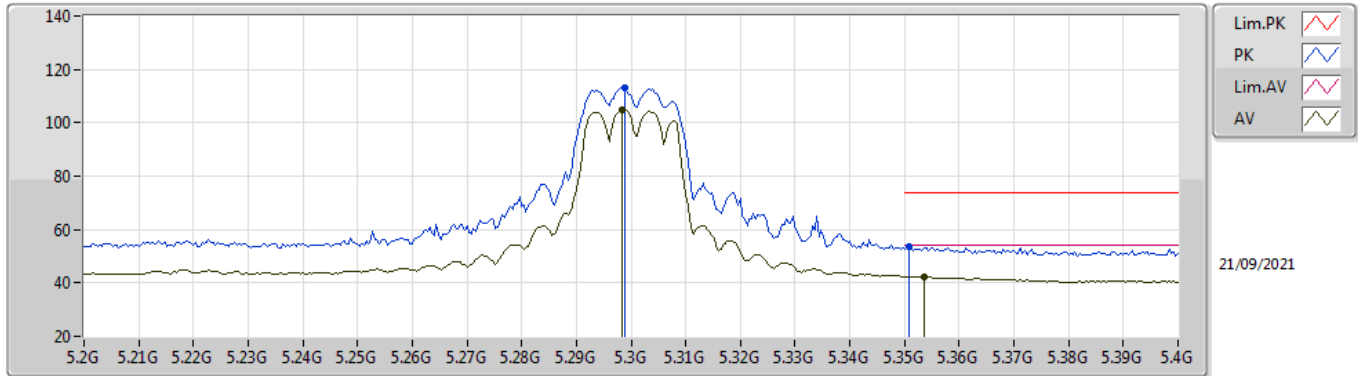
5260MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.77928G	46.13	54.00	-7.87	14.43	3	Horizontal	158	1.49	-	31.70	37.32	11.74	34.63
PK	10.52312G	66.92	68.20	-1.28	14.78	3	Horizontal	25	1.25	-	52.14	39.68	9.57	34.47
PK	15.77874G	58.74	74.00	-15.26	14.43	3	Horizontal	158	1.49	-	44.31	37.32	11.74	34.63

802.11a_Nss1,(6Mbps)_2TX

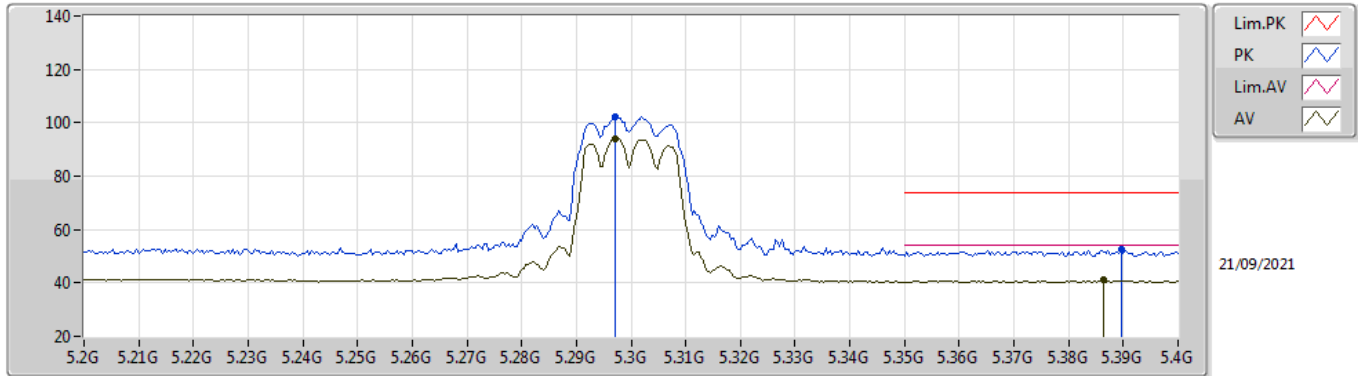
5300MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2984G	105.02	Inf	-Inf	3.40	3	Vertical	64	1.82	-	101.62	31.21	6.64	34.45
AV	5.3536G	42.48	54.00	-11.52	3.39	3	Vertical	64	1.82	-	39.09	31.13	6.71	34.45
PK	5.2988G	113.33	Inf	-Inf	3.40	3	Vertical	64	1.82	-	109.93	31.21	6.64	34.45
PK	5.3508G	53.63	74.00	-20.37	3.36	3	Vertical	64	1.82	-	50.27	31.11	6.70	34.45

802.11a_Nss1,(6Mbps)_2TX

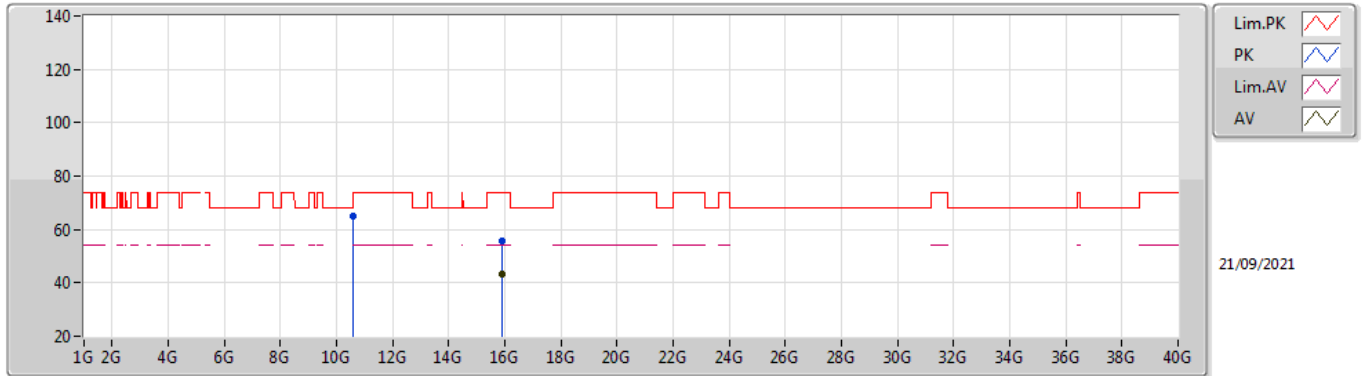
5300MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.2972G	93.94	Inf	-Inf	3.41	3	Horizontal	211	1.58	-	90.53	31.22	6.64	34.45
AV	5.3864G	40.95	54.00	-13.05	3.68	3	Horizontal	211	1.58	-	37.27	31.39	6.74	34.45
PK	5.2972G	102.40	Inf	-Inf	3.41	3	Horizontal	211	1.58	-	98.99	31.22	6.64	34.45
PK	5.3896G	52.50	74.00	-21.50	3.72	3	Horizontal	211	1.58	-	48.78	31.42	6.75	34.45

802.11a_Nss1,(6Mbps)_2TX

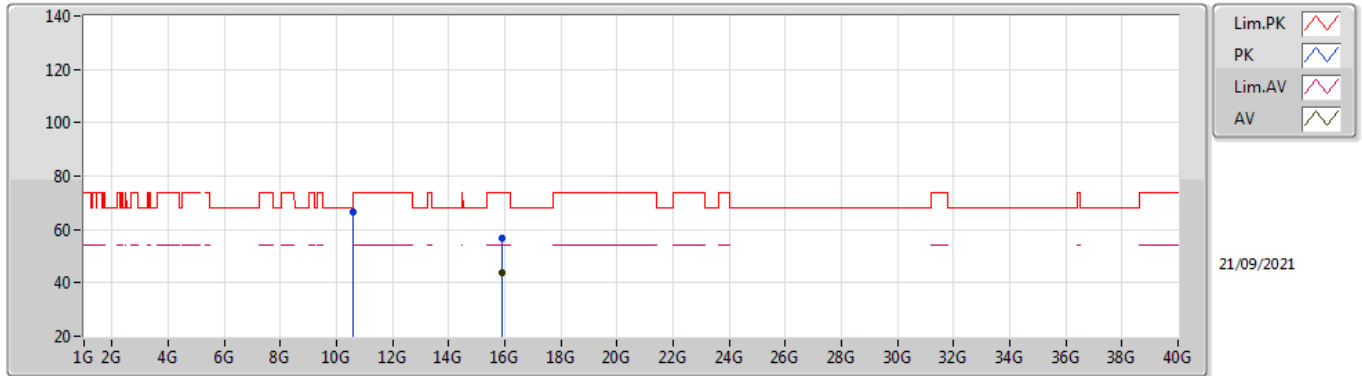
5300MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.89676G	43.32	54.00	-10.68	14.10	3	Vertical	49	2.26	-	29.22	37.01	11.79	34.70
PK	10.59972G	64.84	68.20	-3.36	14.75	3	Vertical	283	1.71	-	50.09	39.60	9.59	34.44
PK	15.89538G	55.46	74.00	-18.54	14.10	3	Vertical	49	2.26	-	41.36	37.01	11.79	34.70

802.11a_Nss1,(6Mbps)_2TX

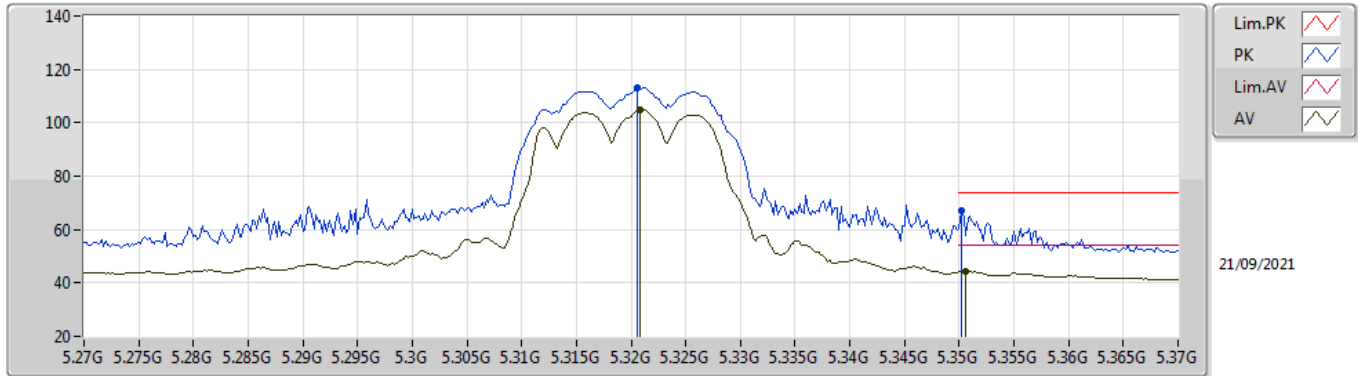
5300MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.90048G	43.68	54.00	-10.32	14.08	3	Horizontal	158	1.49	-	29.60	37.00	11.79	34.71
PK	10.59788G	66.76	68.20	-1.44	14.75	3	Horizontal	24	1.42	-	52.01	39.60	9.59	34.44
PK	15.8961G	56.61	74.00	-17.39	14.10	3	Horizontal	158	1.49	-	42.51	37.01	11.79	34.70

802.11a_Nss1,(6Mbps)_2TX

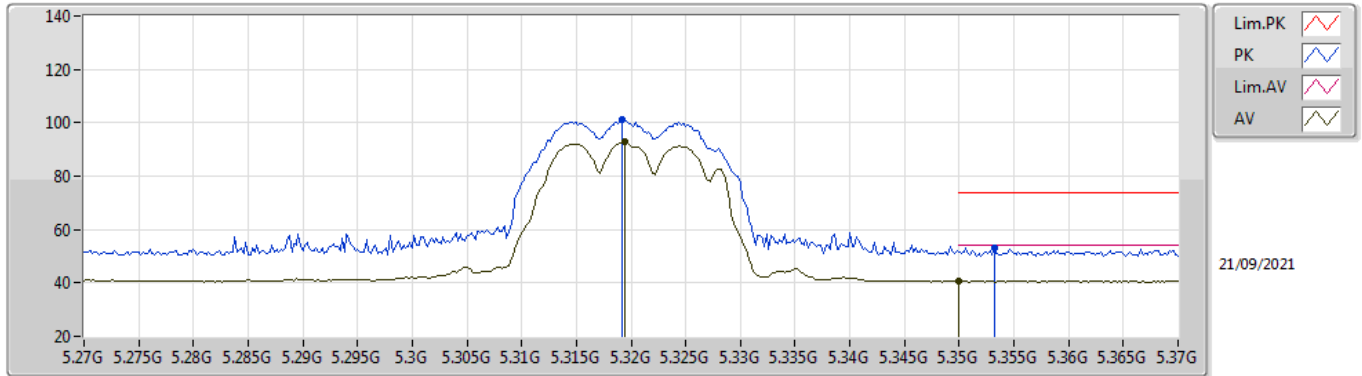
5320MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3208G	104.71	Inf	-Inf	3.38	3	Vertical	65	1.75	-	101.33	31.16	6.67	34.45
AV	5.3506G	44.46	54.00	-9.54	3.35	3	Vertical	65	1.75	-	41.11	31.10	6.70	34.45
PK	5.3206G	112.90	Inf	-Inf	3.38	3	Vertical	65	1.75	-	109.52	31.16	6.67	34.45
PK	5.3502G	67.13	74.00	-6.87	3.35	3	Vertical	65	1.75	-	63.78	31.10	6.70	34.45

802.11a_Nss1,(6Mbps)_2TX

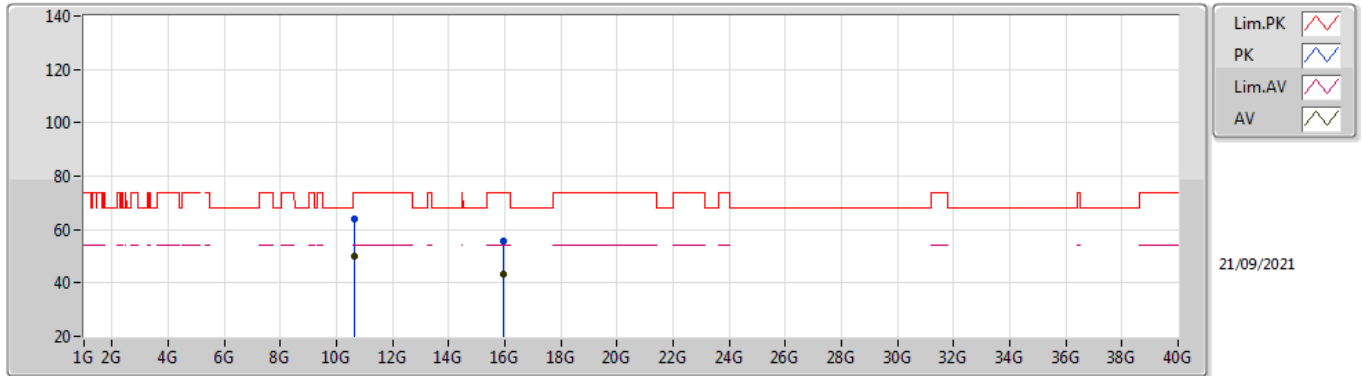
5320MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3194G	92.73	Inf	-Inf	3.38	3	Horizontal	211	1.63	-	89.35	31.16	6.67	34.45
AV	5.35G	40.85	54.00	-13.15	3.35	3	Horizontal	211	1.63	-	37.50	31.10	6.70	34.45
PK	5.3192G	101.06	Inf	-Inf	3.38	3	Horizontal	211	1.63	-	97.68	31.16	6.67	34.45
PK	5.3532G	53.22	74.00	-20.78	3.39	3	Horizontal	211	1.63	-	49.83	31.13	6.71	34.45

802.11a_Nss1,(6Mbps)_2TX

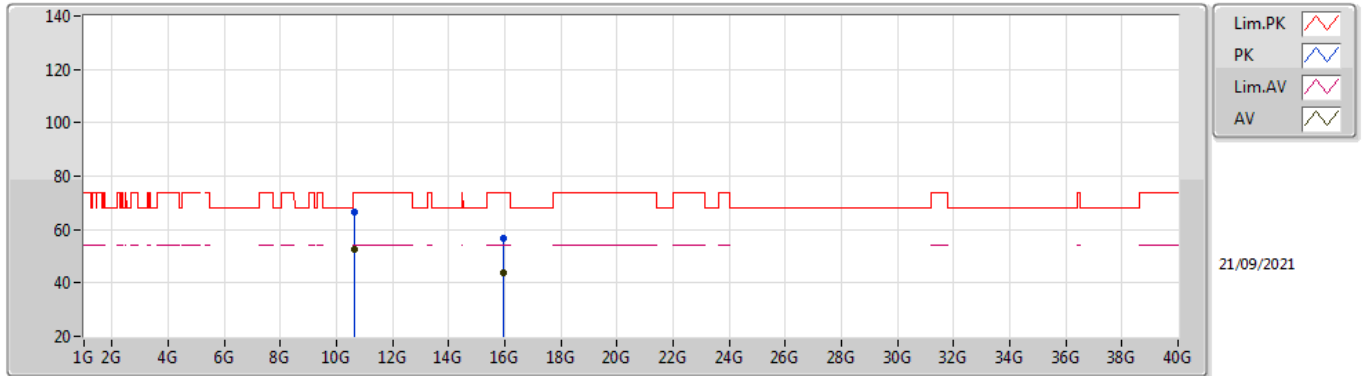
5320MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.6397G	50.25	54.00	-3.75	14.86	3	Vertical	286	1.74	-	35.39	39.68	9.61	34.43
AV	15.95814G	43.02	54.00	-10.98	14.07	3	Vertical	57	2.05	-	28.95	37.00	11.81	34.74
PK	10.6388G	64.08	74.00	-9.92	14.86	3	Vertical	286	1.74	-	49.22	39.68	9.61	34.43
PK	15.95298G	55.64	74.00	-18.36	14.07	3	Vertical	57	2.05	-	41.57	37.00	11.81	34.74

802.11a_Nss1,(6Mbps)_2TX

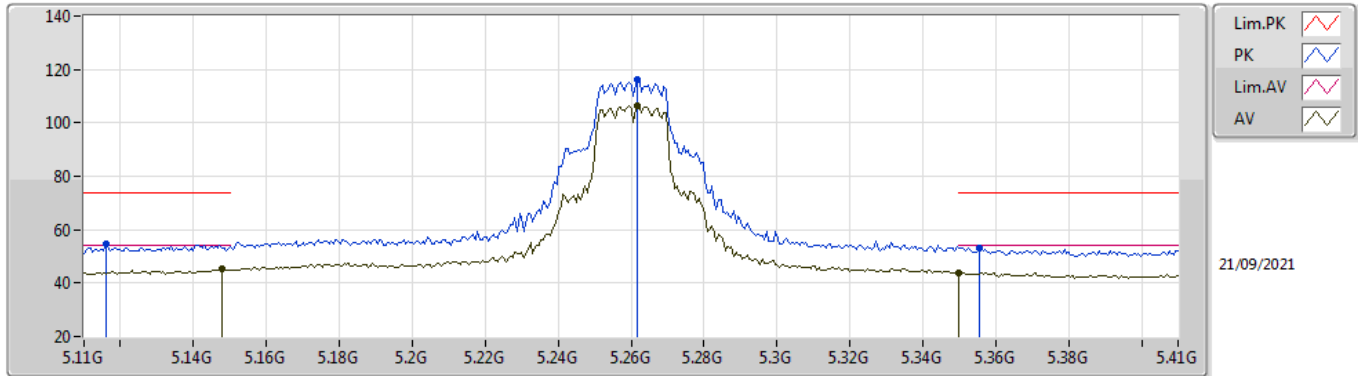
5320MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.63814G	52.77	54.00	-1.23	14.86	3	Horizontal	26	1.50	-	37.91	39.68	9.61	34.43
AV	15.9588G	43.59	54.00	-10.41	14.07	3	Horizontal	157	1.50	-	29.52	37.00	11.81	34.74
PK	10.63844G	66.37	74.00	-7.63	14.86	3	Horizontal	26	1.50	-	51.51	39.68	9.61	34.43
PK	15.95358G	56.74	74.00	-17.26	14.07	3	Horizontal	157	1.50	-	42.67	37.00	11.81	34.74

802.11ax HEW20_Nss1,(MCS0)_2TX

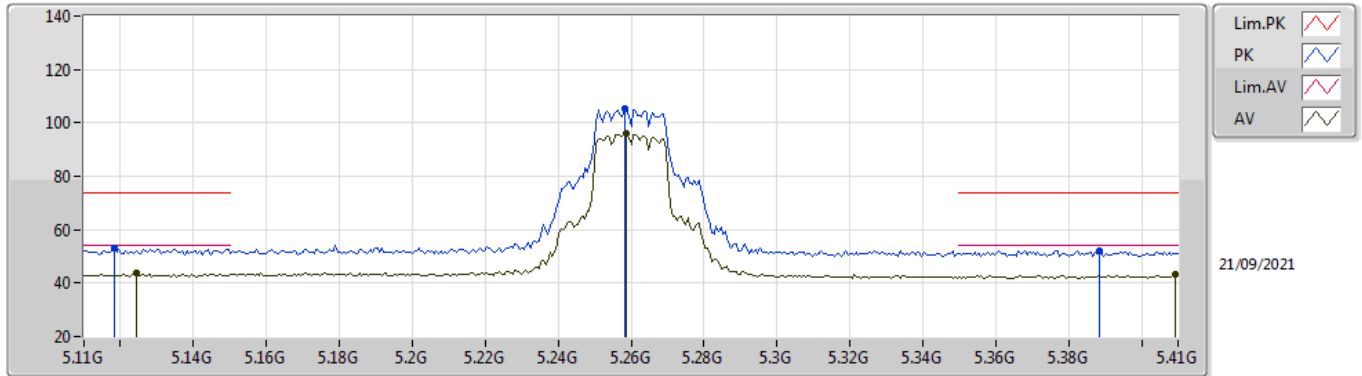
5260MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1478G	45.35	54.00	-8.65	4.05	3	Vertical	108	1.69	-	41.30	32.00	6.49	34.44
AV	5.2618G	106.37	Inf	-Inf	3.58	3	Vertical	108	1.69	-	102.79	31.43	6.60	34.45
AV	5.35G	43.83	54.00	-10.17	3.35	3	Vertical	108	1.69	-	40.48	31.10	6.70	34.45
PK	5.116G	54.41	74.00	-19.59	4.03	3	Vertical	108	1.69	-	50.38	32.00	6.47	34.44
PK	5.2618G	116.28	Inf	-Inf	3.58	3	Vertical	108	1.69	-	112.70	31.43	6.60	34.45
PK	5.3554G	53.30	74.00	-20.70	3.40	3	Vertical	108	1.69	-	49.90	31.14	6.71	34.45

802.11ax HEW20_Nss1,(MCS0)_2TX

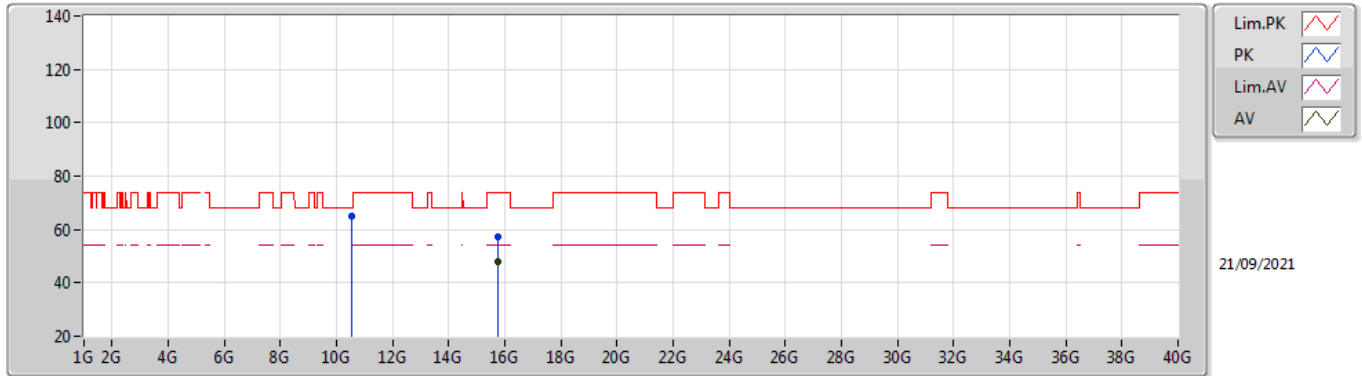
5260MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1244G	43.74	54.00	-10.26	4.03	3	Horizontal	211	1.67	-	39.71	32.00	6.47	34.44
AV	5.2588G	96.22	Inf	-Inf	3.60	3	Horizontal	211	1.67	-	92.62	31.45	6.60	34.45
AV	5.4094G	43.13	54.00	-10.87	3.83	3	Horizontal	211	1.67	-	39.30	31.52	6.76	34.45
PK	5.1184G	53.35	74.00	-20.65	4.03	3	Horizontal	211	1.67	-	49.32	32.00	6.47	34.44
PK	5.2582G	105.52	Inf	-Inf	3.60	3	Horizontal	211	1.67	-	101.92	31.45	6.60	34.45
PK	5.3884G	52.29	74.00	-21.71	3.71	3	Horizontal	211	1.67	-	48.58	31.41	6.75	34.45

802.11ax HEW20_Nss1,(MCS0)_2TX

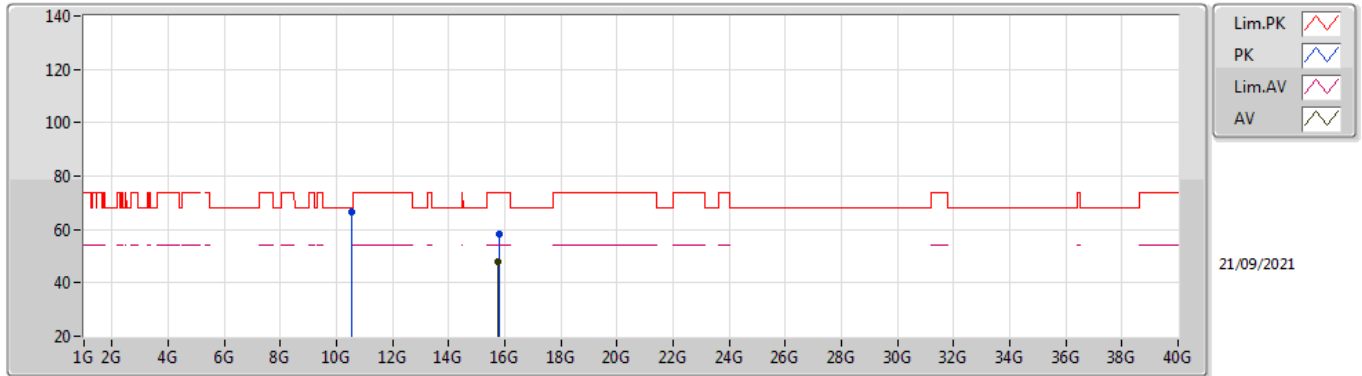
5260MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.77196G	47.72	54.00	-6.28	14.44	3	Vertical	53	2.23	-	33.28	37.33	11.73	34.62
PK	10.52042G	65.05	68.20	-3.15	14.77	3	Vertical	111	1.37	-	50.28	39.68	9.56	34.47
PK	15.77448G	57.02	74.00	-16.98	14.43	3	Vertical	53	2.23	-	42.59	37.33	11.73	34.63

802.11ax HEW20_Nss1,(MCS0)_2TX

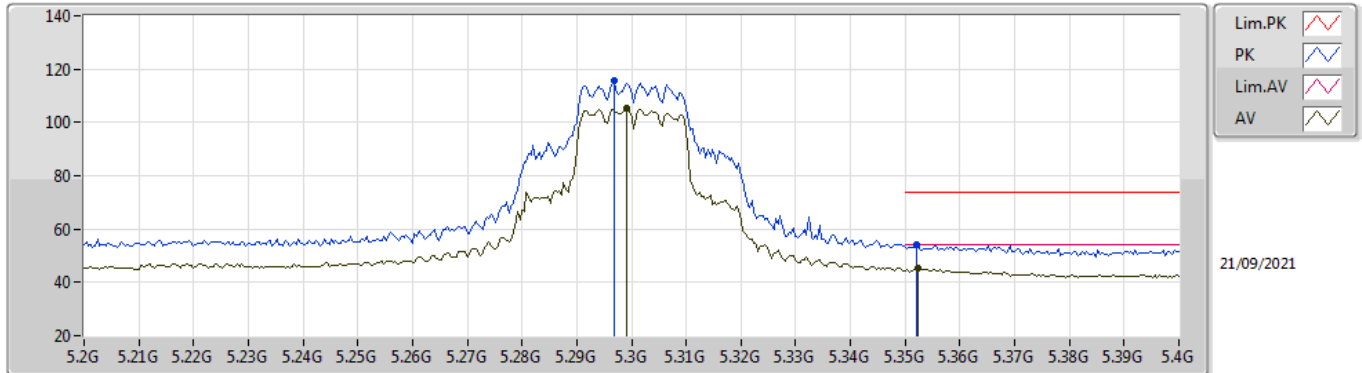
5260MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.77724G	47.91	54.00	-6.09	14.43	3	Horizontal	158	1.50	-	33.48	37.32	11.74	34.63
PK	10.51952G	66.80	68.20	-1.40	14.77	3	Horizontal	25	1.30	-	52.03	39.68	9.56	34.47
PK	15.78426G	58.25	74.00	-15.75	14.43	3	Horizontal	158	1.50	-	43.82	37.32	11.74	34.63

802.11ax HEW20_Nss1,(MCS0)_2TX

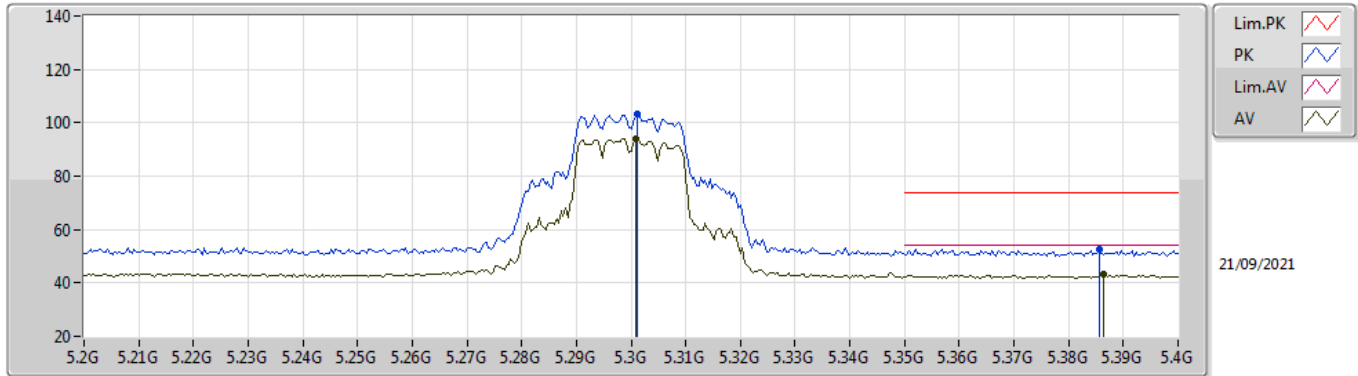
5300MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2992G	105.27	Inf	-Inf	3.39	3	Vertical	65	1.78	-	101.88	31.20	6.64	34.45
AV	5.3524G	45.47	54.00	-8.53	3.38	3	Vertical	65	1.78	-	42.09	31.12	6.71	34.45
PK	5.2968G	115.84	Inf	-Inf	3.41	3	Vertical	65	1.78	-	112.43	31.22	6.64	34.45
PK	5.352G	53.95	74.00	-20.05	3.37	3	Vertical	65	1.78	-	50.58	31.12	6.70	34.45

802.11ax HEW20_Nss1,(MCS0)_2TX

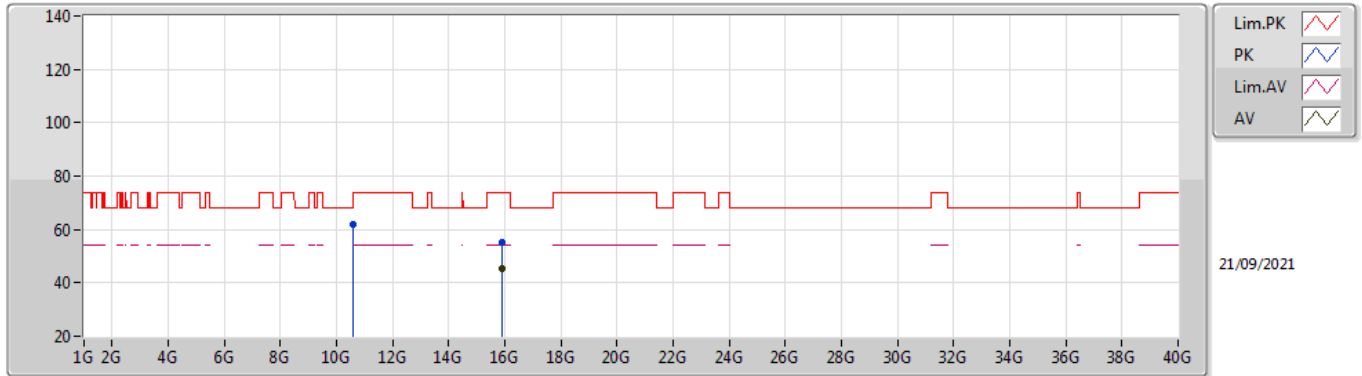
5300MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3008G	93.85	Inf	-Inf	3.40	3	Horizontal	210	1.67	-	90.45	31.20	6.65	34.45
AV	5.3864G	43.26	54.00	-10.74	3.68	3	Horizontal	210	1.67	-	39.58	31.39	6.74	34.45
PK	5.3012G	103.19	Inf	-Inf	3.40	3	Horizontal	210	1.67	-	99.79	31.20	6.65	34.45
PK	5.3856G	52.46	74.00	-21.54	3.67	3	Horizontal	210	1.67	-	48.79	31.38	6.74	34.45

802.11ax HEW20_Nss1,(MCS0)_2TX

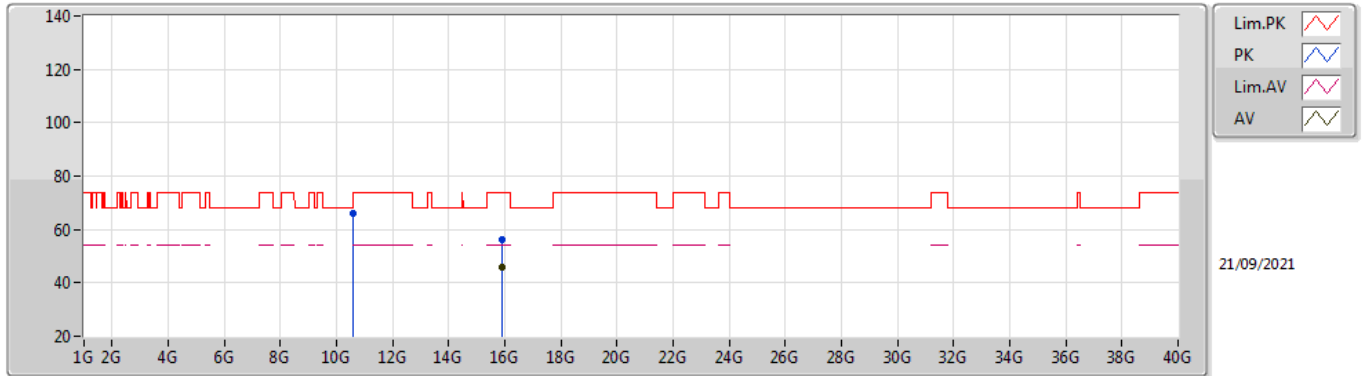
5300MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.89208G	45.51	54.00	-8.49	14.10	3	Vertical	51	1.50	-	31.41	37.02	11.78	34.70
PK	10.59754G	61.99	68.20	-6.21	14.75	3	Vertical	238	1.50	-	47.24	39.60	9.59	34.44
PK	15.90714G	55.02	74.00	-18.98	14.08	3	Vertical	51	1.50	-	40.94	37.00	11.79	34.71

802.11ax HEW20_Nss1,(MCS0)_2TX

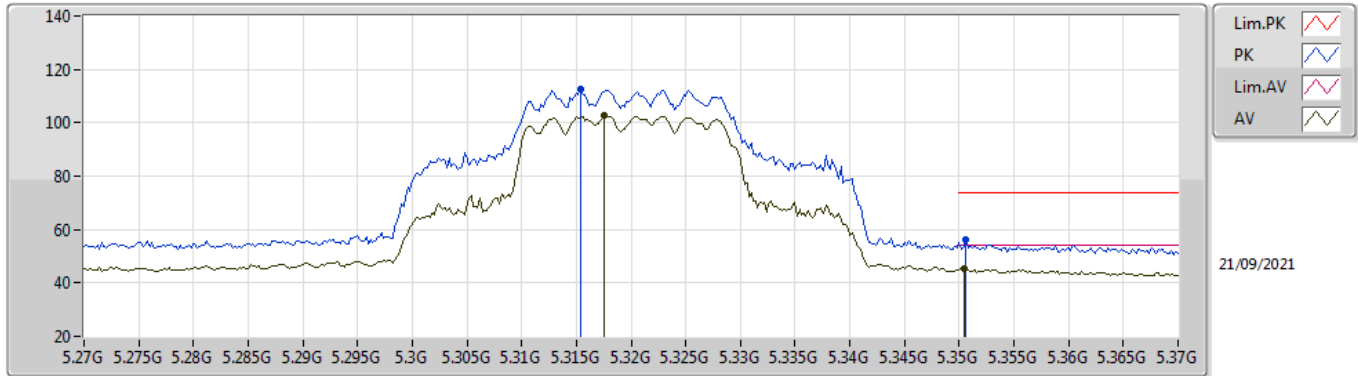
5300MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.89682G	45.91	54.00	-8.09	14.10	3	Horizontal	158	1.50	-	31.81	37.01	11.79	34.70
PK	10.59646G	66.05	68.20	-2.15	14.74	3	Horizontal	25	1.35	-	51.31	39.60	9.59	34.45
PK	15.89898G	55.97	74.00	-18.03	14.08	3	Horizontal	158	1.50	-	41.89	37.00	11.79	34.71

802.11ax HEW20_Nss1,(MCS0)_2TX

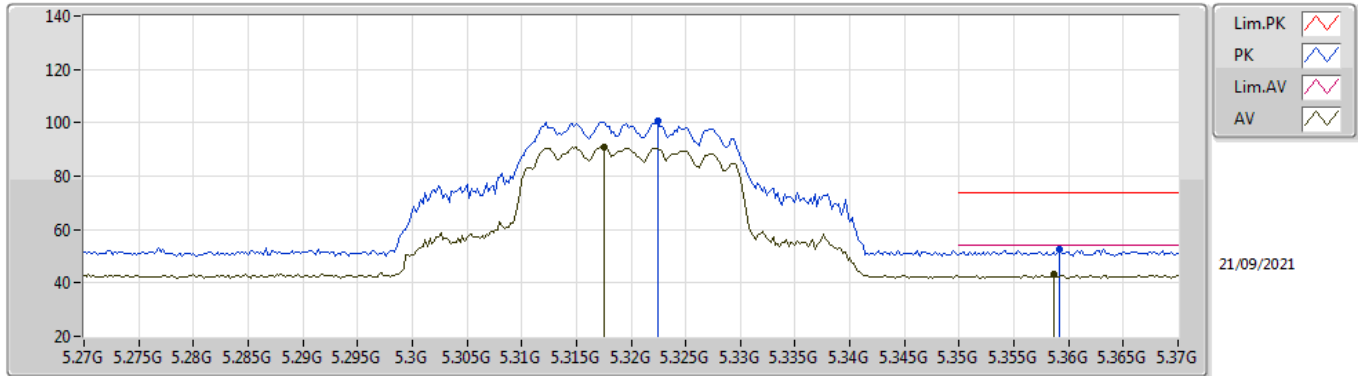
5320MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3176G	102.57	Inf	-Inf	3.38	3	Vertical	66	1.84	-	99.19	31.16	6.67	34.45
AV	5.3504G	45.32	54.00	-8.68	3.35	3	Vertical	66	1.84	-	41.97	31.10	6.70	34.45
PK	5.3154G	112.84	Inf	-Inf	3.38	3	Vertical	66	1.84	-	109.46	31.17	6.66	34.45
PK	5.3506G	56.14	74.00	-17.86	3.35	3	Vertical	66	1.84	-	52.79	31.10	6.70	34.45

802.11ax HEW20_Nss1,(MCS0)_2TX

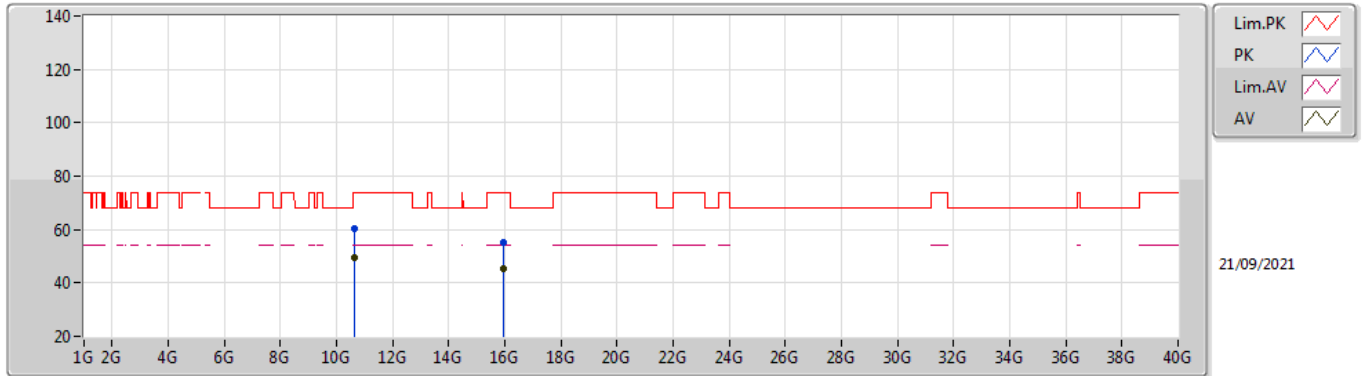
5320MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3176G	91.02	Inf	-Inf	3.38	3	Horizontal	211	1.62	-	87.64	31.16	6.67	34.45
AV	5.3586G	43.13	54.00	-10.87	3.43	3	Horizontal	211	1.62	-	39.70	31.17	6.71	34.45
PK	5.3224G	100.52	Inf	-Inf	3.38	3	Horizontal	211	1.62	-	97.14	31.16	6.67	34.45
PK	5.3592G	52.50	74.00	-21.50	3.43	3	Horizontal	211	1.62	-	49.07	31.17	6.71	34.45

802.11ax HEW20_Nss1,(MCS0)_2TX

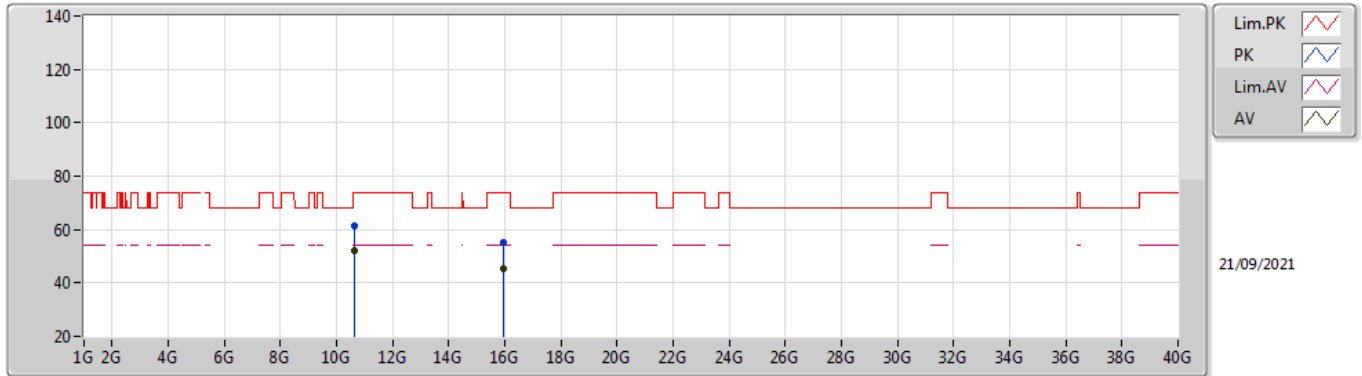
5320MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.63736G	49.74	54.00	-4.26	14.85	3	Vertical	284	1.71	-	34.89	39.67	9.61	34.43
AV	15.97434G	45.11	54.00	-8.89	14.07	3	Vertical	17	2.02	-	31.04	37.00	11.82	34.75
PK	10.6346G	60.56	74.00	-13.44	14.85	3	Vertical	284	1.71	-	45.71	39.67	9.61	34.43
PK	15.9531G	55.05	74.00	-18.95	14.07	3	Vertical	17	2.02	-	40.98	37.00	11.81	34.74

802.11ax HEW20_Nss1,(MCS0)_2TX

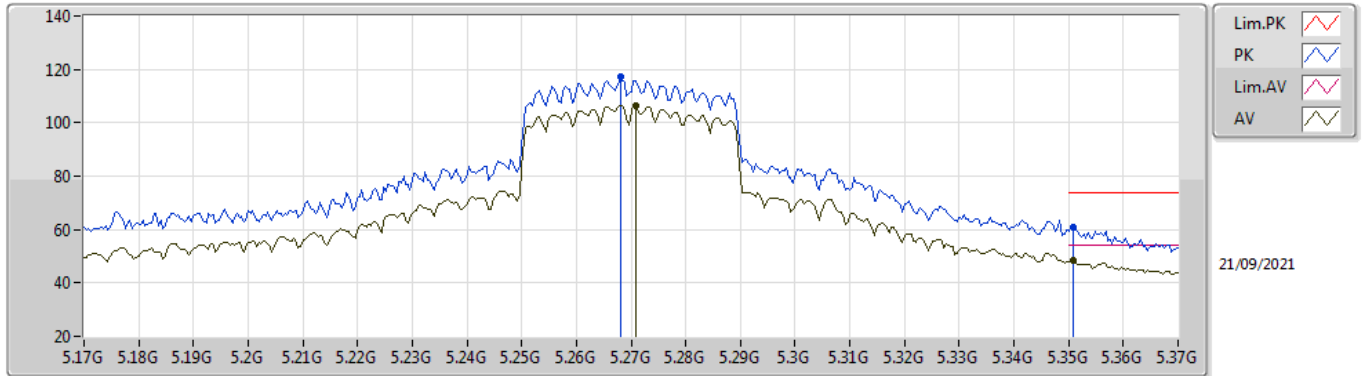
5320MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.63898G	52.09	54.00	-1.91	14.86	3	Horizontal	26	1.49	-	37.23	39.68	9.61	34.43
AV	15.96618G	45.37	54.00	-8.63	14.07	3	Horizontal	302	1.50	-	31.30	37.00	11.82	34.75
PK	10.63388G	61.25	74.00	-12.75	14.85	3	Horizontal	26	1.49	-	46.40	39.67	9.61	34.43
PK	15.96312G	55.10	74.00	-18.90	14.06	3	Horizontal	302	1.50	-	41.04	37.00	11.81	34.75

802.11ax HEW40_Nss1,(MCS0)_2TX

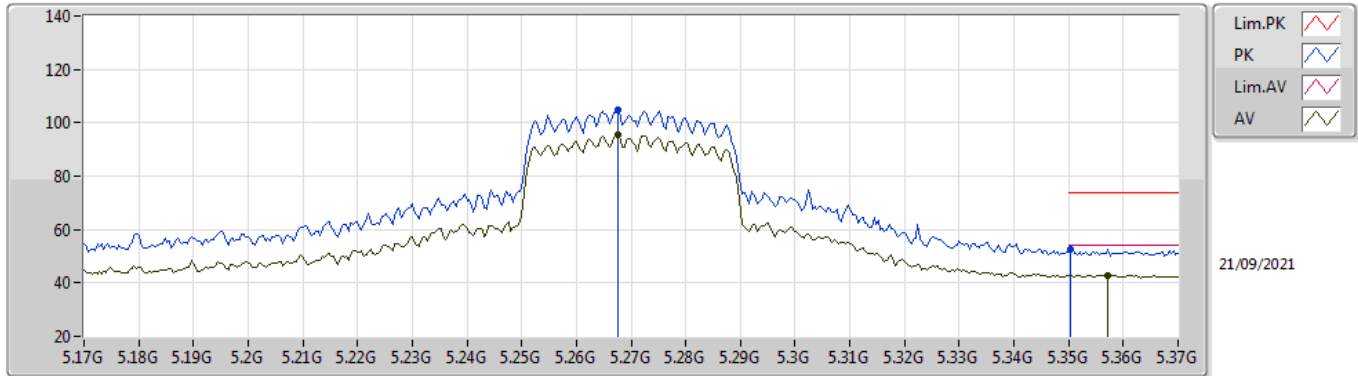
5270MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2708G	106.63	Inf	-Inf	3.54	3	Vertical	108	1.61	-	103.09	31.38	6.61	34.45
AV	5.3508G	48.42	54.00	-5.58	3.36	3	Vertical	108	1.61	-	45.06	31.11	6.70	34.45
PK	5.268G	117.18	Inf	-Inf	3.55	3	Vertical	108	1.61	-	113.63	31.39	6.61	34.45
PK	5.3508G	60.82	74.00	-13.18	3.36	3	Vertical	108	1.61	-	57.46	31.11	6.70	34.45

802.11ax HEW40_Nss1,(MCS0)_2TX

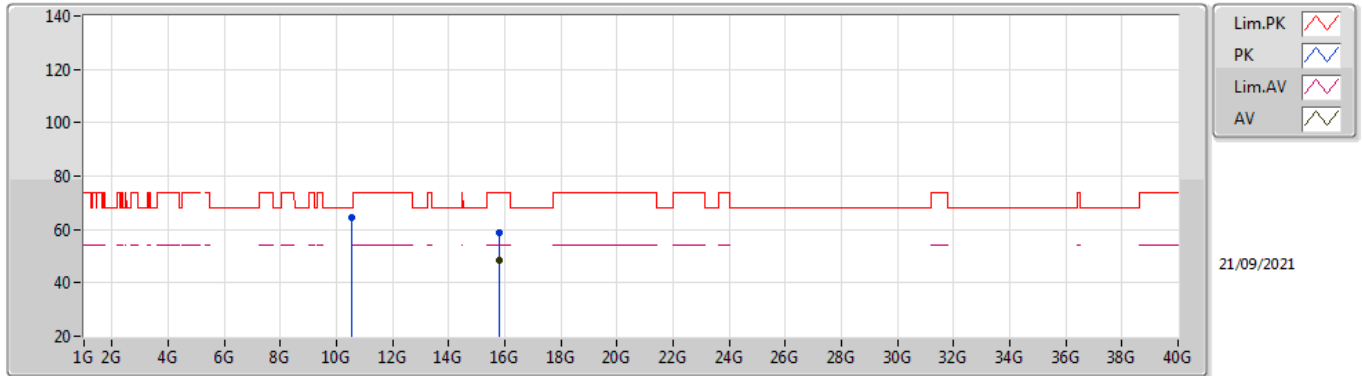
5270MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2676G	95.29	Inf	-Inf	3.55	3	Horizontal	212	1.58	-	91.74	31.39	6.61	34.45
AV	5.3572G	42.90	54.00	-11.10	3.42	3	Horizontal	212	1.58	-	39.48	31.16	6.71	34.45
PK	5.2676G	104.80	Inf	-Inf	3.55	3	Horizontal	212	1.58	-	101.25	31.39	6.61	34.45
PK	5.3504G	52.57	74.00	-21.43	3.35	3	Horizontal	212	1.58	-	49.22	31.10	6.70	34.45

802.11ax HEW40_Nss1,(MCS0)_2TX

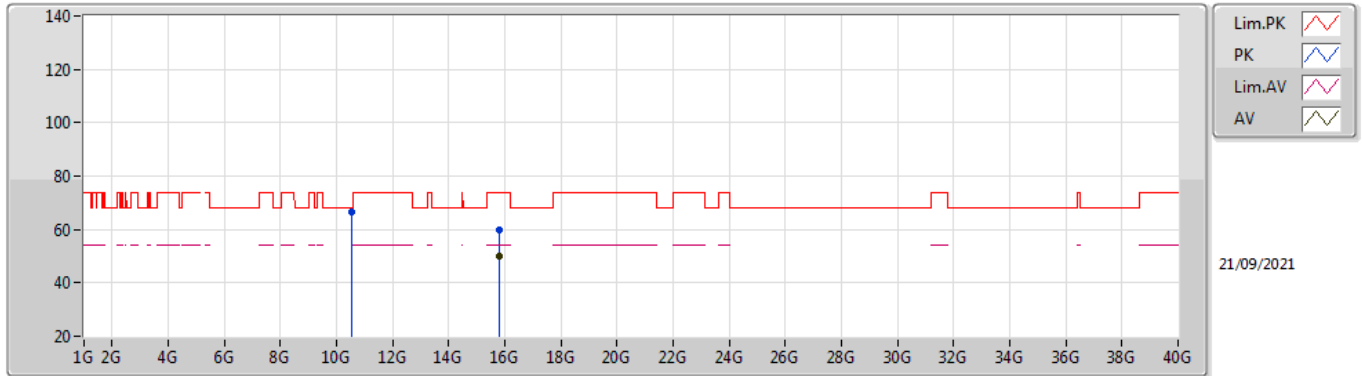
5270MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.8044G	48.23	54.00	-5.77	14.40	3	Vertical	51	2.26	-	33.83	37.29	11.75	34.64
PK	10.54104G	64.39	68.20	-3.81	14.76	3	Vertical	242	1.63	-	49.63	39.66	9.57	34.47
PK	15.79976G	58.88	74.00	-15.12	14.40	3	Vertical	51	2.26	-	44.48	37.30	11.74	34.64

802.11ax HEW40_Nss1,(MCS0)_2TX

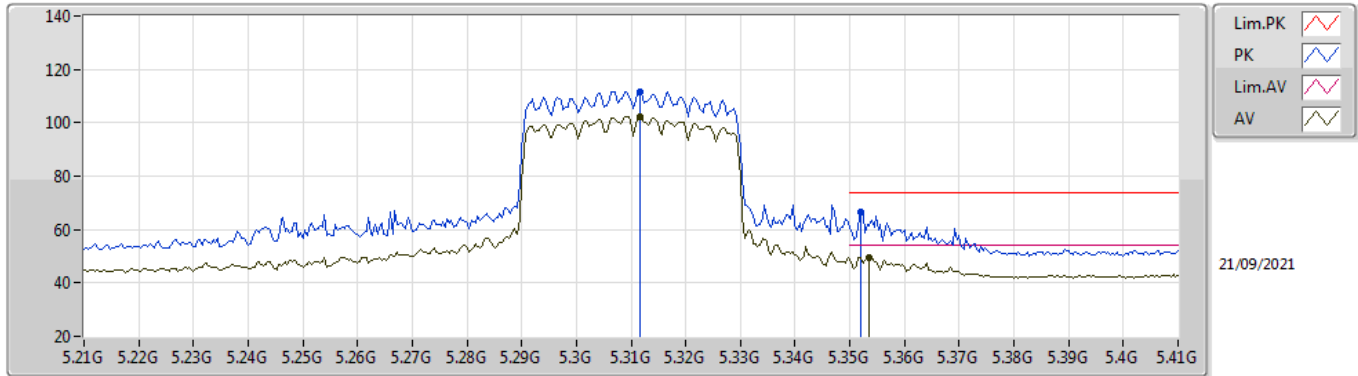
5270MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.80944G	49.80	54.00	-4.20	14.37	3	Horizontal	157	1.50	-	35.43	37.27	11.75	34.65
PK	10.53912G	66.47	68.20	-1.73	14.76	3	Horizontal	25	1.38	-	51.71	39.66	9.57	34.47
PK	15.80704G	60.06	74.00	-13.94	14.38	3	Horizontal	157	1.50	-	45.68	37.28	11.75	34.65

802.11ax HEW40_Nss1,(MCS0)_2TX

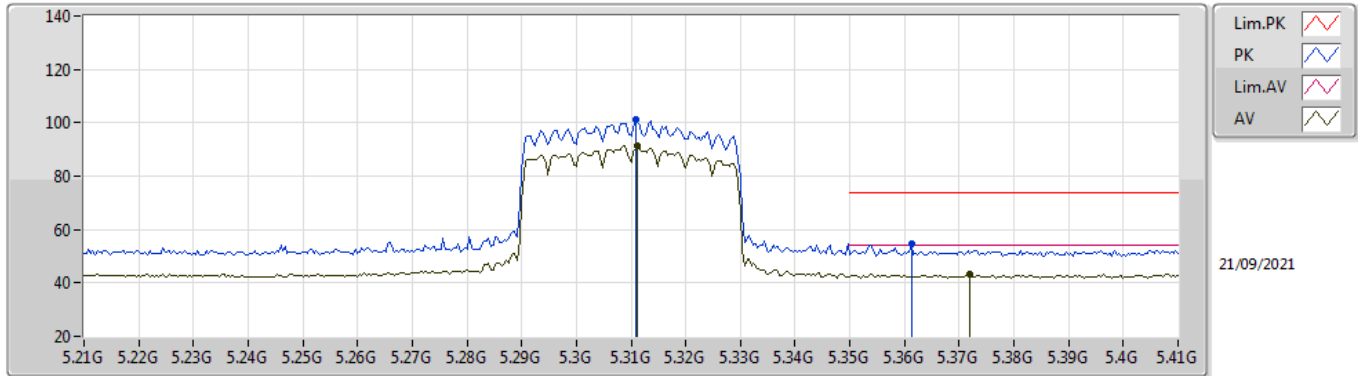
5310MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3116G	102.50	Inf	-Inf	3.39	3	Vertical	65	1.87	-	99.11	31.18	6.66	34.45
AV	5.3536G	49.61	54.00	-4.39	3.39	3	Vertical	65	1.87	-	46.22	31.13	6.71	34.45
PK	5.3116G	111.81	Inf	-Inf	3.39	3	Vertical	65	1.87	-	108.42	31.18	6.66	34.45
PK	5.352G	66.38	74.00	-7.62	3.37	3	Vertical	65	1.87	-	63.01	31.12	6.70	34.45

802.11ax HEW40_Nss1,(MCS0)_2TX

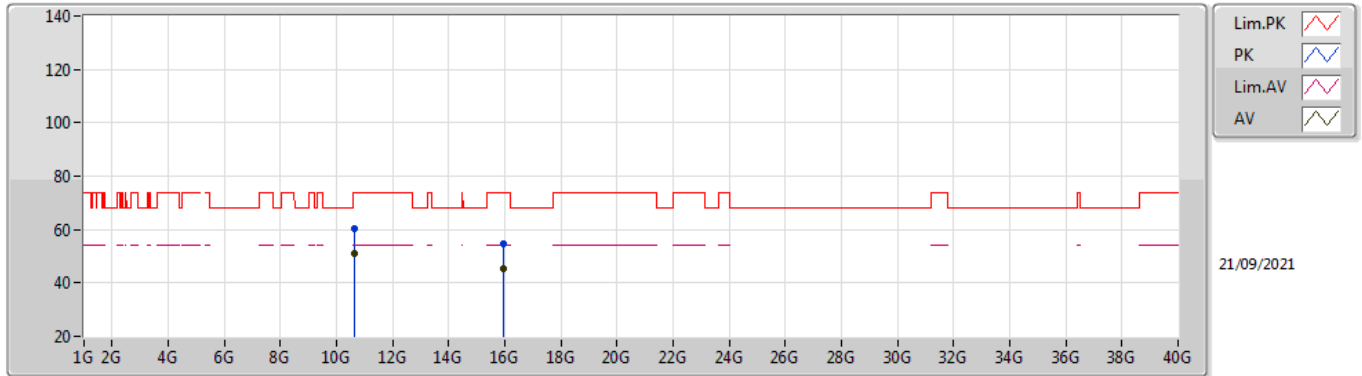
5310MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3112G	91.24	Inf	-Inf	3.39	3	Horizontal	211	1.63	-	87.85	31.18	6.66	34.45
AV	5.372G	43.42	54.00	-10.58	3.56	3	Horizontal	211	1.63	-	39.86	31.28	6.73	34.45
PK	5.3108G	101.01	Inf	-Inf	3.39	3	Horizontal	211	1.63	-	97.62	31.18	6.66	34.45
PK	5.3612G	54.64	74.00	-19.36	3.46	3	Horizontal	211	1.63	-	51.18	31.19	6.72	34.45

802.11ax HEW40_Nss1,(MCS0)_2TX

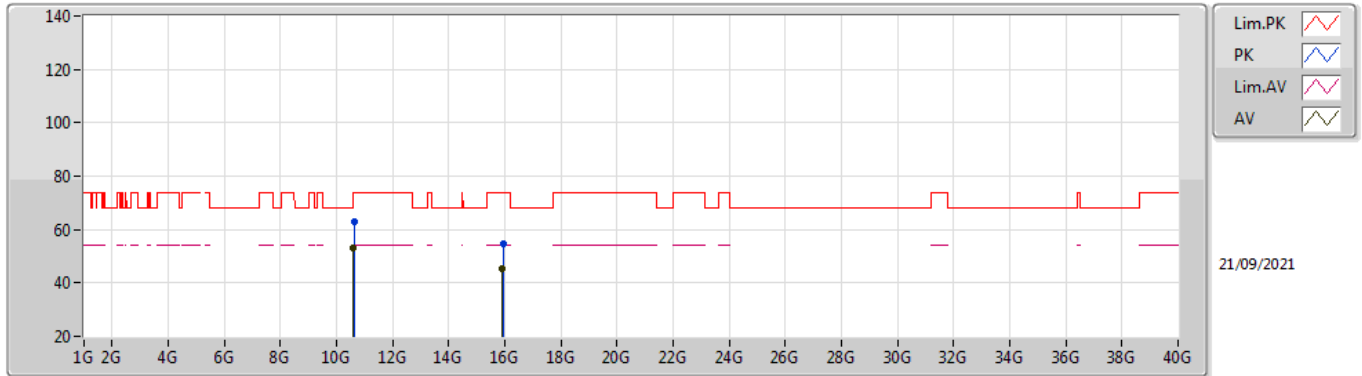
5310MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.62032G	50.94	54.00	-3.06	14.80	3	Vertical	285	1.58	-	36.14	39.64	9.60	34.44
AV	15.92976G	45.17	54.00	-8.83	14.07	3	Vertical	65	1.50	-	31.10	37.00	11.80	34.73
PK	10.6168G	60.16	74.00	-13.84	14.79	3	Vertical	285	1.58	-	45.37	39.63	9.60	34.44
PK	15.93856G	54.58	74.00	-19.42	14.07	3	Vertical	65	1.50	-	40.51	37.00	11.80	34.73

802.11ax HEW40_Nss1,(MCS0)_2TX

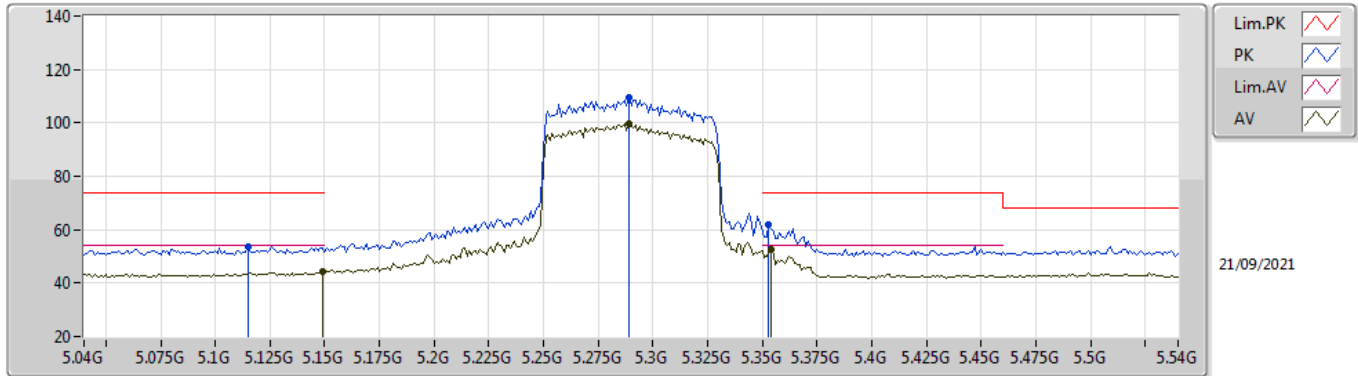
5310MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.61408G	52.89	54.00	-1.11	14.79	3	Horizontal	26	1.27	-	38.10	39.63	9.60	34.44
AV	15.91104G	45.44	54.00	-8.56	14.08	3	Horizontal	158	1.32	-	31.36	37.00	11.79	34.71
PK	10.6196G	62.81	74.00	-11.19	14.80	3	Horizontal	26	1.27	-	48.01	39.64	9.60	34.44
PK	15.9348G	54.72	74.00	-19.28	14.07	3	Horizontal	158	1.32	-	40.65	37.00	11.80	34.73

802.11ax HEW80_Nss1,(MCS0)_2TX

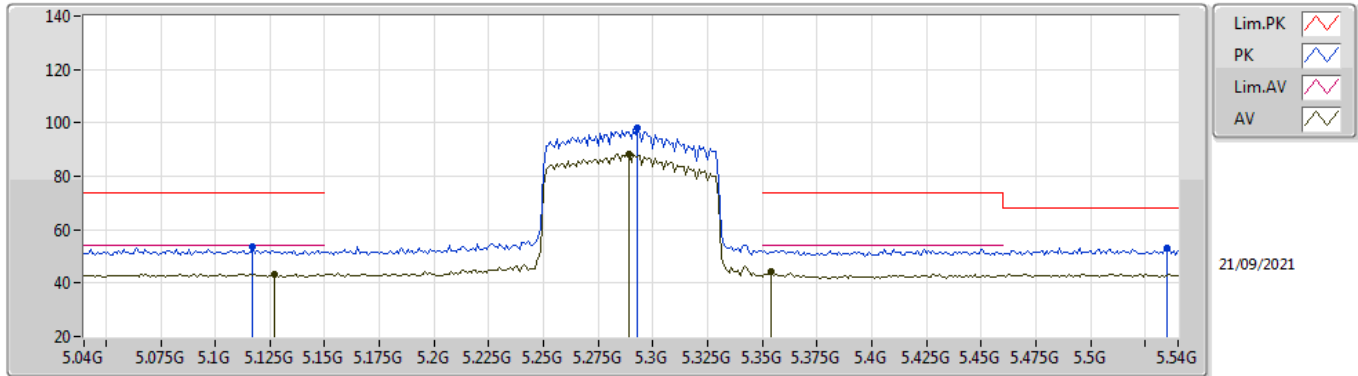
5290MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149G	44.26	54.00	-9.74	4.05	3	Vertical	64	1.72	-	40.21	32.00	6.49	34.44
AV	5.289G	99.80	Inf	-Inf	3.45	3	Vertical	64	1.72	-	96.35	31.27	6.63	34.45
AV	5.354G	52.47	54.00	-1.53	3.39	3	Vertical	64	1.72	-	49.08	31.13	6.71	34.45
PK	5.115G	53.86	74.00	-20.14	4.03	3	Vertical	64	1.72	-	49.83	32.00	6.47	34.44
PK	5.289G	109.32	Inf	-Inf	3.45	3	Vertical	64	1.72	-	105.87	31.27	6.63	34.45
PK	5.353G	61.80	74.00	-12.20	3.38	3	Vertical	64	1.72	-	58.42	31.12	6.71	34.45

802.11ax HEW80_Nss1,(MCS0)_2TX

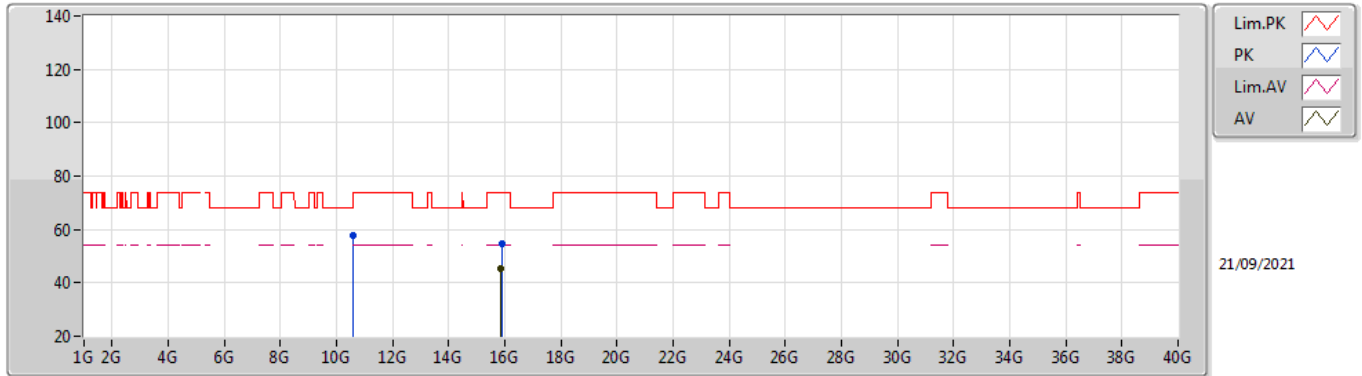
5290MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.127G	43.49	54.00	-10.51	4.04	3	Horizontal	211	1.65	-	39.45	32.00	6.48	34.44
AV	5.289G	88.38	Inf	-Inf	3.45	3	Horizontal	211	1.65	-	84.93	31.27	6.63	34.45
AV	5.354G	44.08	54.00	-9.92	3.39	3	Horizontal	211	1.65	-	40.69	31.13	6.71	34.45
PK	5.117G	53.49	74.00	-20.51	4.03	3	Horizontal	211	1.65	-	49.46	32.00	6.47	34.44
PK	5.293G	98.08	Inf	-Inf	3.43	3	Horizontal	211	1.65	-	94.65	31.24	6.64	34.45
PK	5.535G	53.36	68.20	-14.84	4.10	3	Horizontal	211	1.65	-	49.26	31.73	6.83	34.46

802.11ax HEW80_Nss1,(MCS0)_2TX

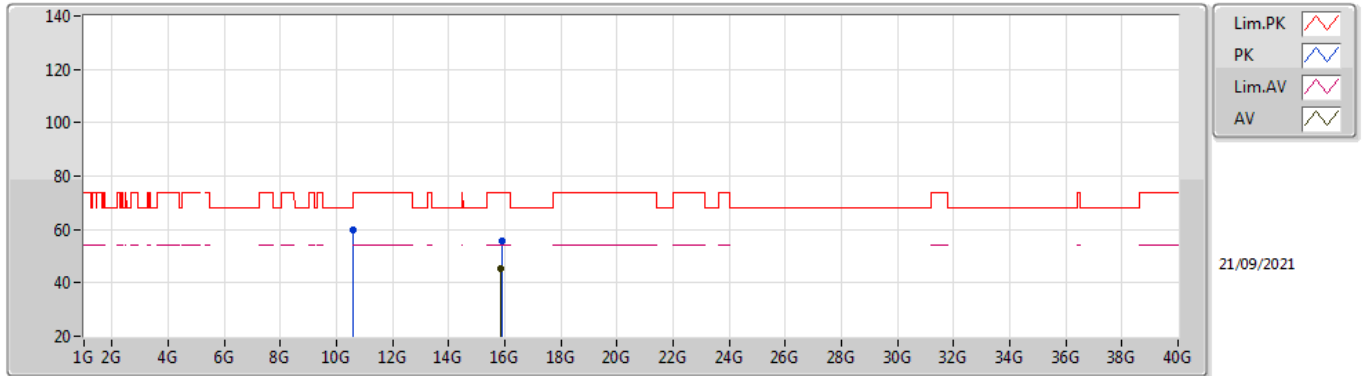
5290MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.87248G	45.46	54.00	-8.54	14.17	3	Vertical	306	1.50	-	31.29	37.08	11.78	34.69
PK	10.58512G	57.84	68.20	-10.36	14.75	3	Vertical	239	1.50	-	43.09	39.61	9.59	34.45
PK	15.87808G	54.68	74.00	-19.32	14.16	3	Vertical	306	1.50	-	40.52	37.07	11.78	34.69

802.11ax HEW80_Nss1,(MCS0)_2TX

5290MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	15.8764G	45.31	54.00	-8.69	14.16	3	Horizontal	0	1.50	-	31.15	37.07	11.78	34.69
PK	10.59168G	59.91	68.20	-8.29	14.75	3	Horizontal	28	1.36	-	45.16	39.61	9.59	34.45
PK	15.88888G	55.54	74.00	-18.46	14.11	3	Horizontal	0	1.50	-	41.43	37.03	11.78	34.70



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	AV	10.63928G	52.85	54.00	-1.15	3	Vertical	288	1.75	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	AV	5.35G	51.32	54.00	-2.68	3	Vertical	94	1.72	-
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	Pass	AV	5.35G	52.31	54.00	-1.69	3	Vertical	67	1.74	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1496G	42.09	54.00	-11.91	3	Vertical	44	2.31	-
5260MHz	Pass	AV	5.2606G	106.02	Inf	-Inf	3	Vertical	44	2.31	-
5260MHz	Pass	AV	5.35G	41.73	54.00	-12.27	3	Vertical	44	2.31	-
5260MHz	Pass	PK	5.1448G	53.91	74.00	-20.09	3	Vertical	44	2.31	-
5260MHz	Pass	PK	5.2546G	117.86	Inf	-Inf	3	Vertical	44	2.31	-
5260MHz	Pass	PK	5.3518G	54.04	74.00	-19.96	3	Vertical	44	2.31	-
5260MHz	Pass	AV	5.122G	40.27	54.00	-13.73	3	Horizontal	194	1.50	-
5260MHz	Pass	AV	5.2594G	93.86	Inf	-Inf	3	Horizontal	194	1.50	-
5260MHz	Pass	AV	5.4094G	39.80	54.00	-14.20	3	Horizontal	194	1.50	-
5260MHz	Pass	PK	5.1274G	52.75	74.00	-21.25	3	Horizontal	194	1.50	-
5260MHz	Pass	PK	5.2582G	105.61	Inf	-Inf	3	Horizontal	194	1.50	-
5260MHz	Pass	PK	5.3722G	51.97	74.00	-22.03	3	Horizontal	194	1.50	-
5260MHz	Pass	PK	10.5184G	65.05	68.20	-3.15	3	Vertical	243	1.70	-
5260MHz	Pass	PK	10.5188G	67.03	68.20	-1.17	3	Horizontal	25	1.38	-
5300MHz	Pass	AV	5.2988G	104.89	Inf	-Inf	3	Vertical	47	1.54	-
5300MHz	Pass	AV	5.35G	43.02	54.00	-10.98	3	Vertical	47	1.54	-
5300MHz	Pass	PK	5.2976G	117.26	Inf	-Inf	3	Vertical	47	1.54	-
5300MHz	Pass	PK	5.3504G	55.32	74.00	-18.68	3	Vertical	47	1.54	-
5300MHz	Pass	AV	5.2988G	91.60	Inf	-Inf	3	Horizontal	194	1.58	-
5300MHz	Pass	AV	5.3904G	39.62	54.00	-14.38	3	Horizontal	194	1.58	-
5300MHz	Pass	PK	5.298G	102.76	Inf	-Inf	3	Horizontal	194	1.58	-
5300MHz	Pass	PK	5.3636G	51.97	74.00	-22.03	3	Horizontal	194	1.58	-
5300MHz	Pass	AV	10.6008G	52.36	54.00	-1.64	3	Vertical	281	1.74	-
5300MHz	Pass	PK	10.60288G	66.22	74.00	-7.78	3	Vertical	281	1.74	-
5300MHz	Pass	AV	10.60088G	52.33	54.00	-1.67	3	Horizontal	25	1.46	-
5300MHz	Pass	PK	10.60176G	67.72	74.00	-6.28	3	Horizontal	25	1.46	-
5320MHz	Pass	AV	5.3212G	98.03	Inf	-Inf	3	Vertical	77	2.35	-
5320MHz	Pass	AV	5.3508G	43.52	54.00	-10.48	3	Vertical	77	2.35	-
5320MHz	Pass	PK	5.3164G	110.03	Inf	-Inf	3	Vertical	77	2.35	-
5320MHz	Pass	PK	5.3536G	60.27	74.00	-13.73	3	Vertical	77	2.35	-
5320MHz	Pass	AV	5.321G	84.65	Inf	-Inf	3	Horizontal	177	1.70	-
5320MHz	Pass	AV	5.3538G	39.55	54.00	-14.45	3	Horizontal	177	1.70	-
5320MHz	Pass	PK	5.3218G	96.69	Inf	-Inf	3	Horizontal	177	1.70	-
5320MHz	Pass	PK	5.3676G	52.19	74.00	-21.81	3	Horizontal	177	1.70	-
5320MHz	Pass	AV	10.63928G	52.85	54.00	-1.15	3	Vertical	288	1.75	-
5320MHz	Pass	PK	10.64008G	67.42	74.00	-6.58	3	Vertical	288	1.75	-
5320MHz	Pass	AV	10.64056G	52.64	54.00	-1.36	3	Horizontal	28	1.38	-
5320MHz	Pass	PK	10.64168G	67.56	74.00	-6.44	3	Horizontal	28	1.38	-
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	AV	5.2716G	104.10	Inf	-Inf	3	Vertical	43	1.50	-
5270MHz	Pass	AV	5.352G	44.27	54.00	-9.73	3	Vertical	43	1.50	-
5270MHz	Pass	PK	5.2688G	114.88	Inf	-Inf	3	Vertical	43	1.50	-
5270MHz	Pass	PK	5.352G	59.61	74.00	-14.39	3	Vertical	43	1.50	-
5270MHz	Pass	AV	5.2684G	90.23	Inf	-Inf	3	Horizontal	180	1.60	-
5270MHz	Pass	AV	5.3696G	40.28	54.00	-13.72	3	Horizontal	180	1.60	-
5270MHz	Pass	PK	5.2672G	102.09	Inf	-Inf	3	Horizontal	180	1.60	-
5270MHz	Pass	PK	5.3608G	51.82	74.00	-22.18	3	Horizontal	180	1.60	-
5270MHz	Pass	PK	10.5406G	64.71	68.20	-3.49	3	Vertical	244	1.66	-
5270MHz	Pass	PK	10.54474G	64.31	68.20	-3.89	3	Horizontal	26	1.50	-
5310MHz	Pass	AV	5.3088G	101.11	Inf	-Inf	3	Vertical	94	1.72	-
5310MHz	Pass	AV	5.35G	51.32	54.00	-2.68	3	Vertical	94	1.72	-
5310MHz	Pass	PK	5.3088G	112.90	Inf	-Inf	3	Vertical	94	1.72	-
5310MHz	Pass	PK	5.3524G	69.20	74.00	-4.80	3	Vertical	94	1.72	-
5310MHz	Pass	AV	5.3116G	87.70	Inf	-Inf	3	Horizontal	192	1.50	-
5310MHz	Pass	AV	5.3504G	41.20	54.00	-12.80	3	Horizontal	192	1.50	-
5310MHz	Pass	PK	5.3128G	99.01	Inf	-Inf	3	Horizontal	192	1.50	-
5310MHz	Pass	PK	5.3524G	56.40	74.00	-17.60	3	Horizontal	192	1.50	-
5310MHz	Pass	AV	10.64784G	51.26	54.00	-2.74	3	Vertical	24	2.36	-
5310MHz	Pass	PK	10.64976G	64.45	74.00	-9.55	3	Vertical	24	2.36	-
5310MHz	Pass	AV	10.61472G	50.08	54.00	-3.92	3	Horizontal	26	1.44	-



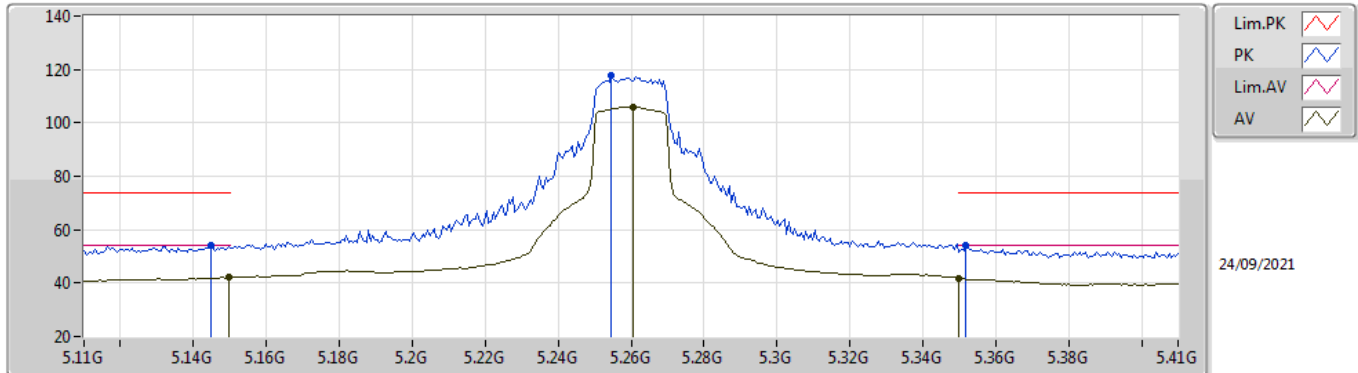
RSE TX above 1GHz_Beamforming

Appendix D.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5310MHz	Pass	PK	10.62144G	63.29	74.00	-10.71	3	Horizontal	26	1.44	-
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	AV	5.149G	45.87	54.00	-8.13	3	Vertical	67	1.74	-
5290MHz	Pass	AV	5.276G	99.29	Inf	-Inf	3	Vertical	67	1.74	-
5290MHz	Pass	AV	5.35G	52.31	54.00	-1.69	3	Vertical	67	1.74	-
5290MHz	Pass	PK	5.143G	55.66	74.00	-18.34	3	Vertical	67	1.74	-
5290MHz	Pass	PK	5.282G	110.93	Inf	-Inf	3	Vertical	67	1.74	-
5290MHz	Pass	PK	5.356G	64.44	74.00	-9.56	3	Vertical	67	1.74	-
5290MHz	Pass	AV	5.149G	42.38	54.00	-11.62	3	Horizontal	216	1.50	-
5290MHz	Pass	AV	5.277G	87.17	Inf	-Inf	3	Horizontal	216	1.50	-
5290MHz	Pass	AV	5.355G	43.05	54.00	-10.95	3	Horizontal	216	1.50	-
5290MHz	Pass	PK	5.12G	53.58	74.00	-20.42	3	Horizontal	216	1.50	-
5290MHz	Pass	PK	5.277G	98.47	Inf	-Inf	3	Horizontal	216	1.50	-
5290MHz	Pass	PK	5.498G	52.80	68.20	-15.40	3	Horizontal	216	1.50	-
5290MHz	Pass	PK	10.58416G	58.97	68.20	-9.23	3	Vertical	243	1.67	-
5290MHz	Pass	PK	10.57984G	60.18	68.20	-8.02	3	Horizontal	45	1.56	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

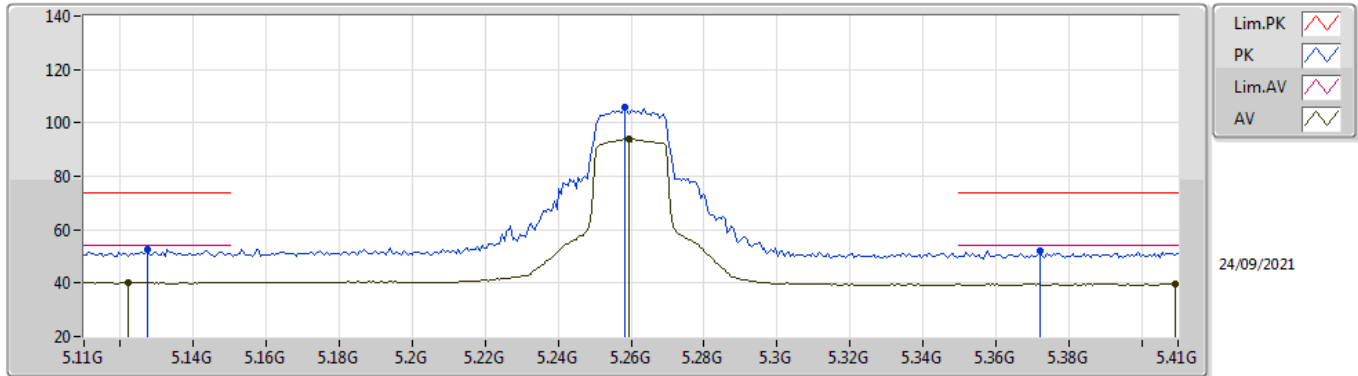
5260MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1496G	42.09	54.00	-11.91	4.05	3	Vertical	44	2.31	-	38.04	32.00	6.49	34.44
AV	5.2606G	106.02	Inf	-Inf	3.59	3	Vertical	44	2.31	-	102.43	31.44	6.60	34.45
AV	5.35G	41.73	54.00	-12.27	3.35	3	Vertical	44	2.31	-	38.38	31.10	6.70	34.45
PK	5.1448G	53.91	74.00	-20.09	4.05	3	Vertical	44	2.31	-	49.86	32.00	6.49	34.44
PK	5.2546G	117.86	Inf	-Inf	3.61	3	Vertical	44	2.31	-	114.25	31.47	6.59	34.45
PK	5.3518G	54.04	74.00	-19.96	3.36	3	Vertical	44	2.31	-	50.68	31.11	6.70	34.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

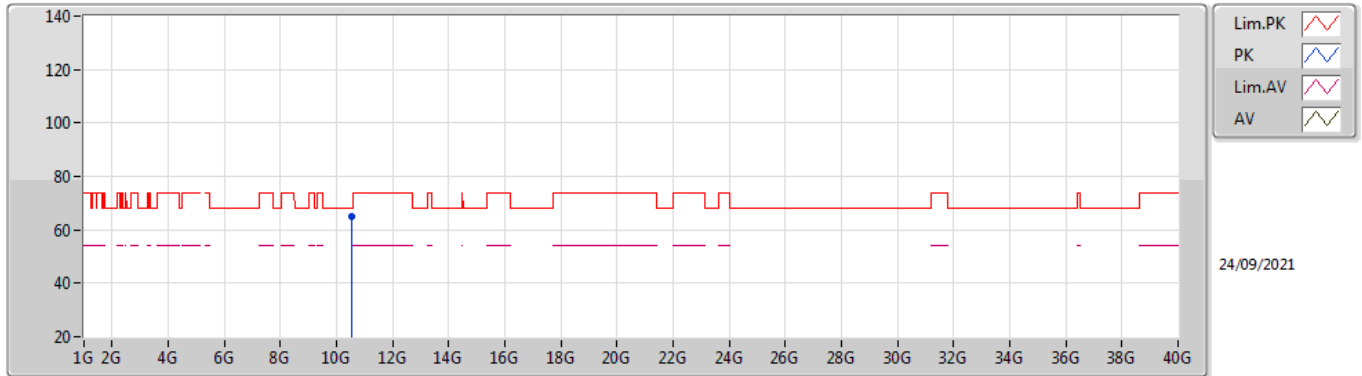
5260MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.122G	40.27	54.00	-13.73	4.03	3	Horizontal	194	1.50	-	36.24	32.00	6.47	34.44
AV	5.2594G	93.86	Inf	-Inf	3.59	3	Horizontal	194	1.50	-	90.27	31.44	6.60	34.45
AV	5.4094G	39.80	54.00	-14.20	3.83	3	Horizontal	194	1.50	-	35.97	31.52	6.76	34.45
PK	5.1274G	52.75	74.00	-21.25	4.04	3	Horizontal	194	1.50	-	48.71	32.00	6.48	34.44
PK	5.2582G	105.61	Inf	-Inf	3.60	3	Horizontal	194	1.50	-	102.01	31.45	6.60	34.45
PK	5.3722G	51.97	74.00	-22.03	3.56	3	Horizontal	194	1.50	-	48.41	31.28	6.73	34.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

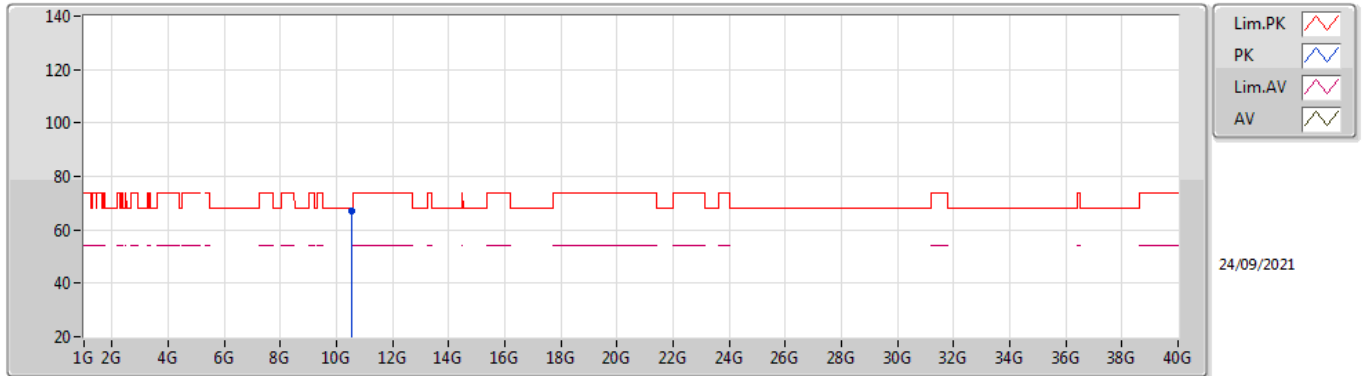
5260MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.5184G	65.05	68.20	-3.15	14.77	3	Vertical	243	1.70	-	50.28	39.68	9.56	34.47

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

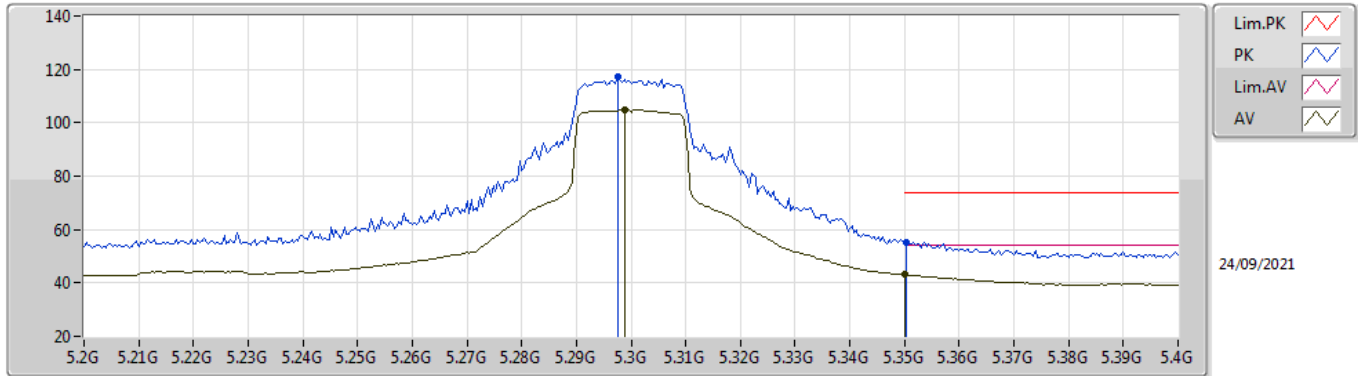
5260MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.5188G	67.03	68.20	-1.17	14.77	3	Horizontal	25	1.38	-	52.26	39.68	9.56	34.47

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

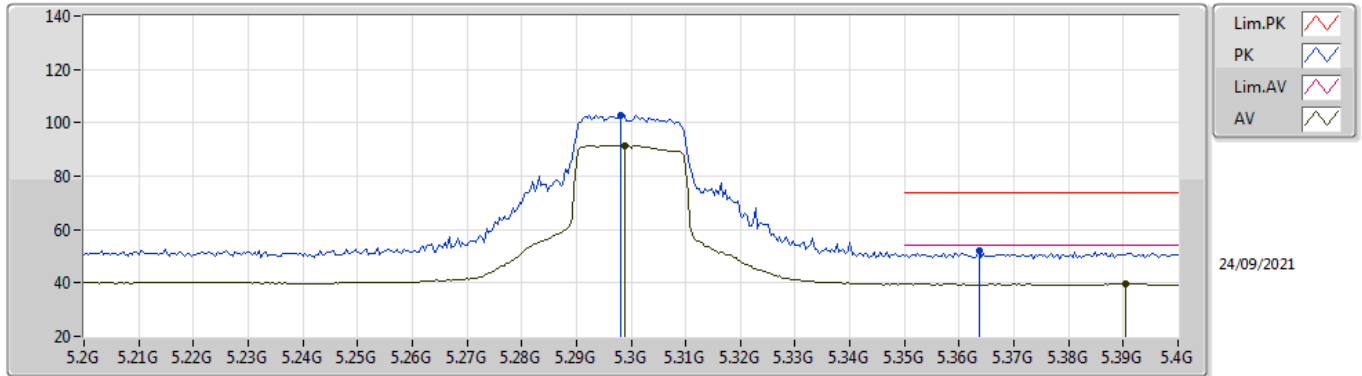
5300MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.2988G	104.89	Inf	-Inf	3.40	3	Vertical	47	1.54	-	101.49	31.21	6.64	34.45
AV	5.35G	43.02	54.00	-10.98	3.35	3	Vertical	47	1.54	-	39.67	31.10	6.70	34.45
PK	5.2976G	117.26	Inf	-Inf	3.40	3	Vertical	47	1.54	-	113.86	31.21	6.64	34.45
PK	5.3504G	55.32	74.00	-18.68	3.35	3	Vertical	47	1.54	-	51.97	31.10	6.70	34.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

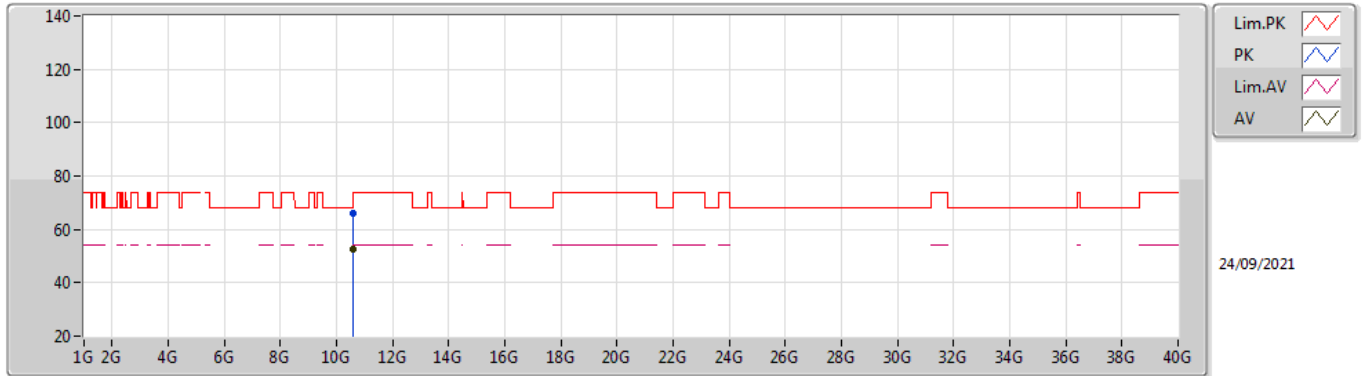
5300MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2988G	91.60	Inf	-Inf	3.40	3	Horizontal	194	1.58	-	88.20	31.21	6.64	34.45
AV	5.3904G	39.62	54.00	-14.38	3.72	3	Horizontal	194	1.58	-	35.90	31.42	6.75	34.45
PK	5.298G	102.76	Inf	-Inf	3.40	3	Horizontal	194	1.58	-	99.36	31.21	6.64	34.45
PK	5.3636G	51.97	74.00	-22.03	3.48	3	Horizontal	194	1.58	-	48.49	31.21	6.72	34.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

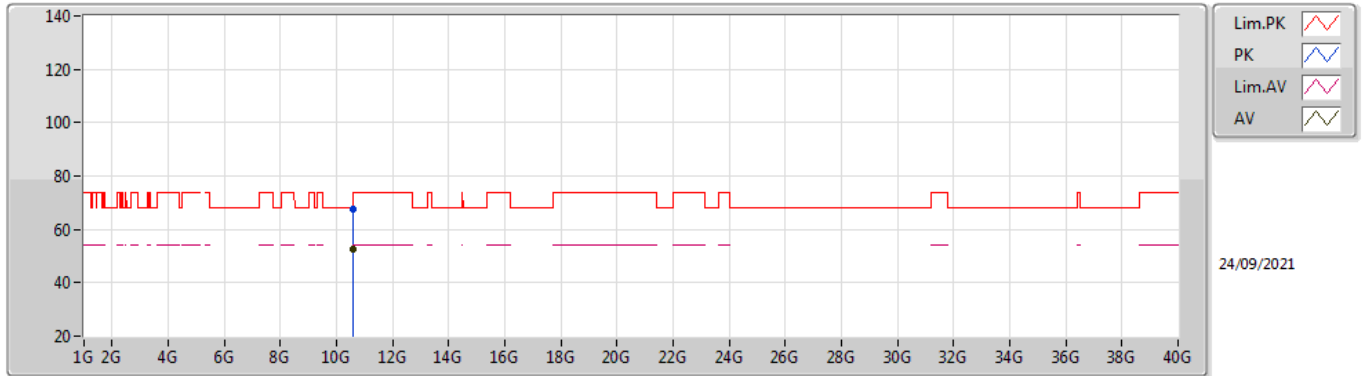
5300MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.6008G	52.36	54.00	-1.64	14.75	3	Vertical	281	1.74	-	37.61	39.60	9.59	34.44
PK	10.60288G	66.22	74.00	-7.78	14.76	3	Vertical	281	1.74	-	51.46	39.61	9.59	34.44

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

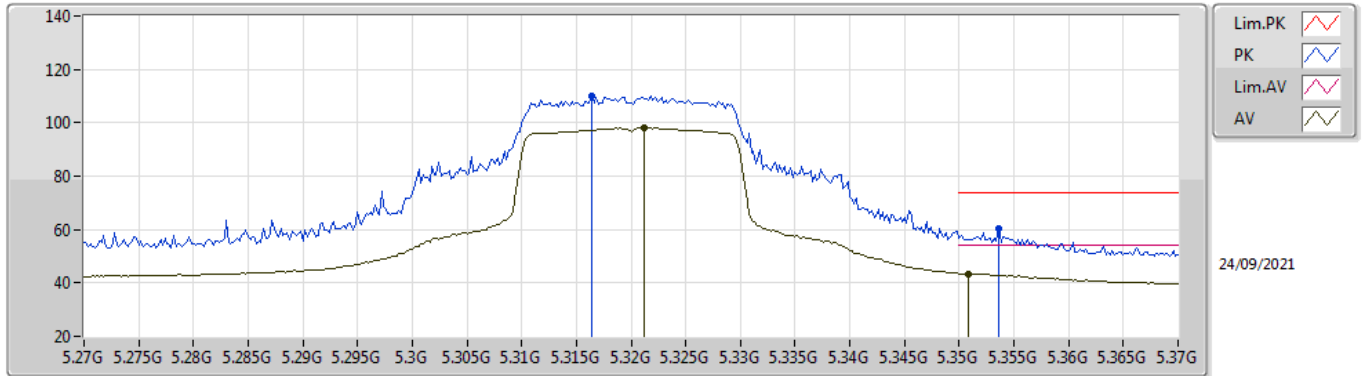
5300MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.60088G	52.33	54.00	-1.67	14.75	3	Horizontal	25	1.46	-	37.58	39.60	9.59	34.44
PK	10.60176G	67.72	74.00	-6.28	14.75	3	Horizontal	25	1.46	-	52.97	39.60	9.59	34.44

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

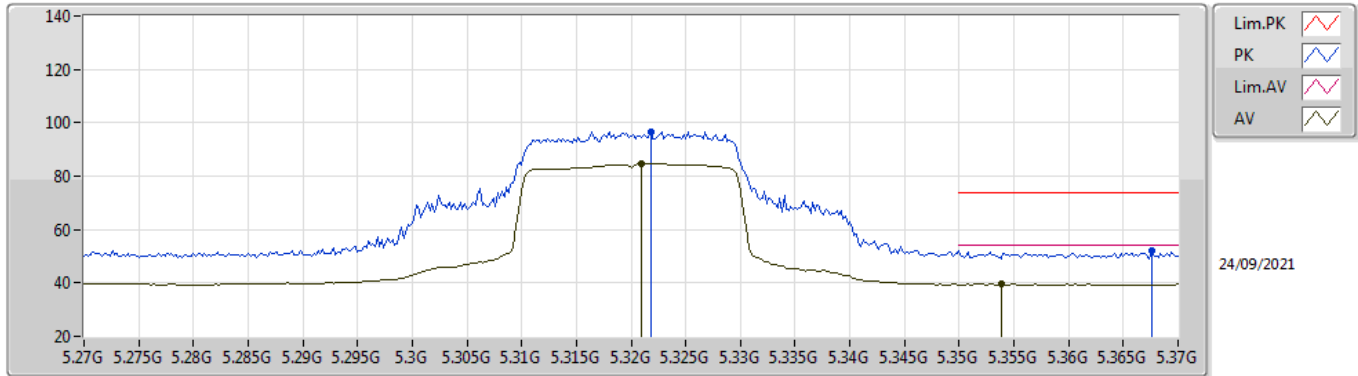
5320MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3212G	98.03	Inf	-Inf	3.38	3	Vertical	77	2.35	-	94.65	31.16	6.67	34.45
AV	5.3508G	43.52	54.00	-10.48	3.36	3	Vertical	77	2.35	-	40.16	31.11	6.70	34.45
PK	5.3164G	110.03	Inf	-Inf	3.38	3	Vertical	77	2.35	-	106.65	31.17	6.66	34.45
PK	5.3536G	60.27	74.00	-13.73	3.39	3	Vertical	77	2.35	-	56.88	31.13	6.71	34.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

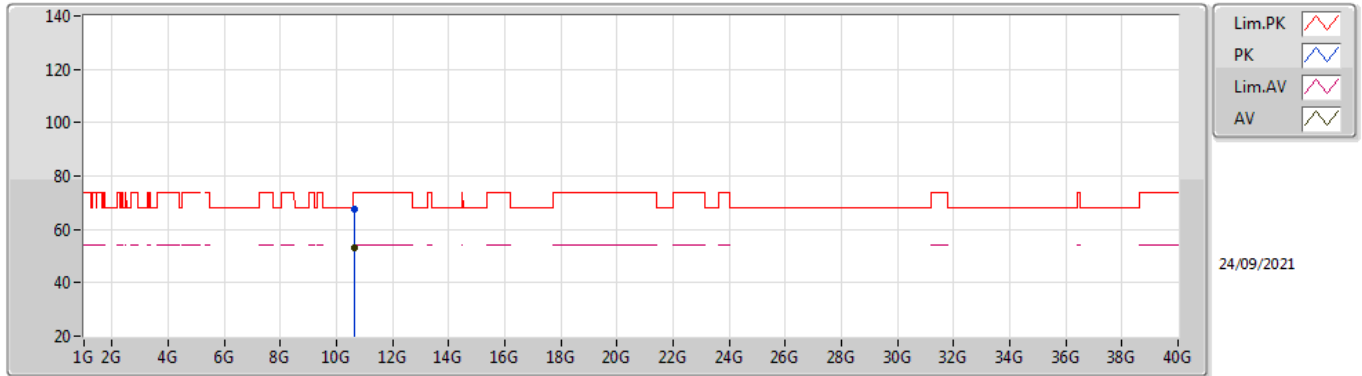
5320MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.321G	84.65	Inf	-Inf	3.38	3	Horizontal	177	1.70	-	81.27	31.16	6.67	34.45
AV	5.3538G	39.55	54.00	-14.45	3.39	3	Horizontal	177	1.70	-	36.16	31.13	6.71	34.45
PK	5.3218G	96.69	Inf	-Inf	3.38	3	Horizontal	177	1.70	-	93.31	31.16	6.67	34.45
PK	5.3676G	52.19	74.00	-21.81	3.51	3	Horizontal	177	1.70	-	48.68	31.24	6.72	34.45

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

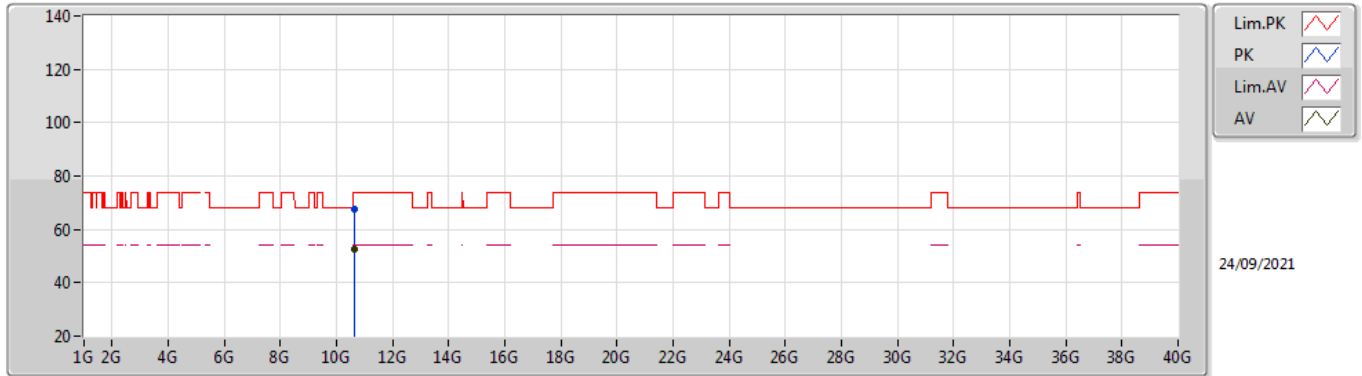
5320MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.63928G	52.85	54.00	-1.15	14.86	3	Vertical	288	1.75	-	37.99	39.68	9.61	34.43
PK	10.64008G	67.42	74.00	-6.58	14.86	3	Vertical	288	1.75	-	52.56	39.68	9.61	34.43

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

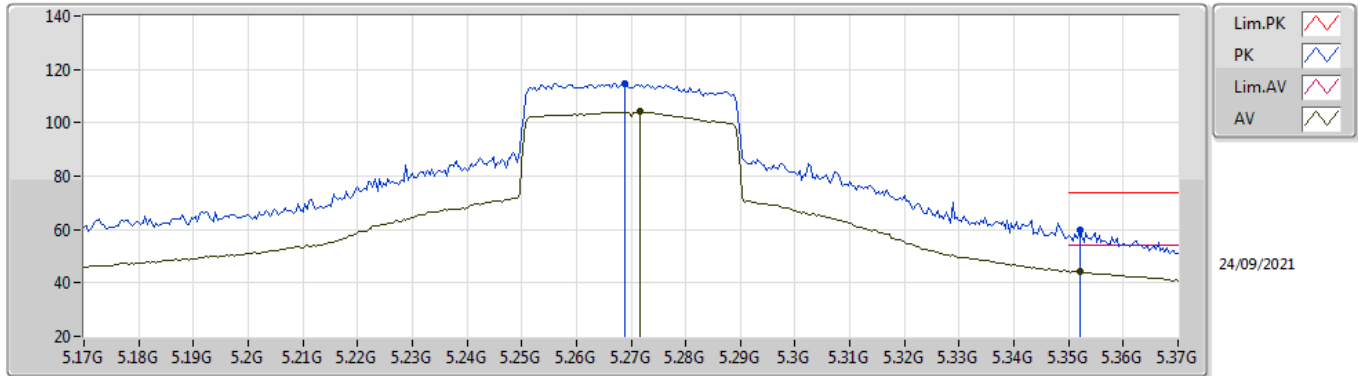
5320MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.64056G	52.64	54.00	-1.36	14.86	3	Horizontal	28	1.38	-	37.78	39.68	9.61	34.43
PK	10.64168G	67.56	74.00	-6.44	14.86	3	Horizontal	28	1.38	-	52.70	39.68	9.61	34.43

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

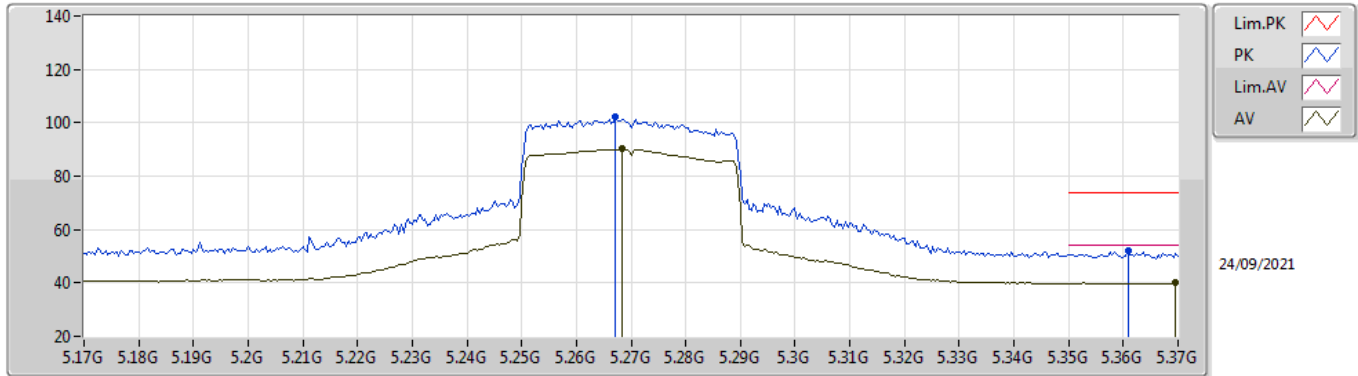
5270MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.2716G	104.10	Inf	-Inf	3.53	3	Vertical	43	1.50	-	100.57	31.37	6.61	34.45
AV	5.352G	44.27	54.00	-9.73	3.37	3	Vertical	43	1.50	-	40.90	31.12	6.70	34.45
PK	5.2688G	114.88	Inf	-Inf	3.55	3	Vertical	43	1.50	-	111.33	31.39	6.61	34.45
PK	5.352G	59.61	74.00	-14.39	3.37	3	Vertical	43	1.50	-	56.24	31.12	6.70	34.45

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

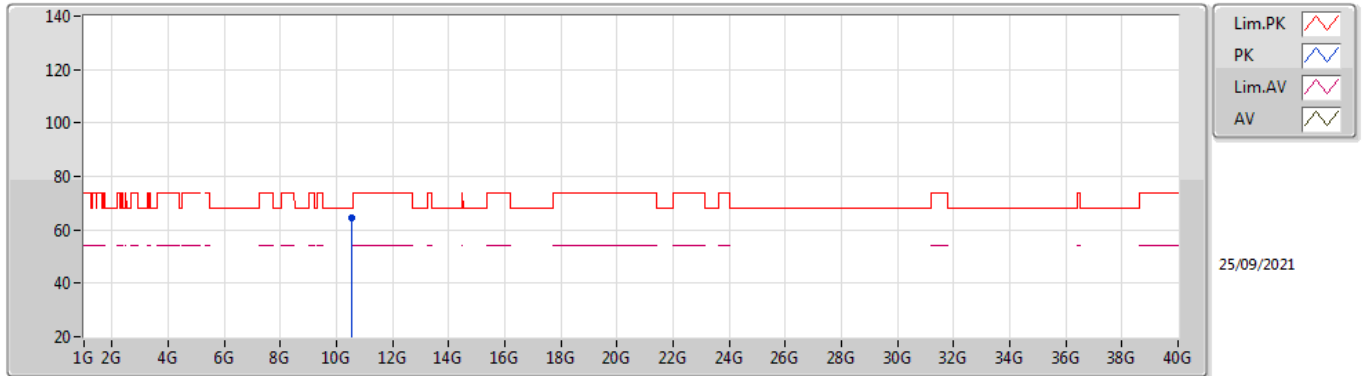
5270MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.2684G	90.23	Inf	-Inf	3.55	3	Horizontal	180	1.60	-	86.68	31.39	6.61	34.45
AV	5.3696G	40.28	54.00	-13.72	3.54	3	Horizontal	180	1.60	-	36.74	31.26	6.73	34.45
PK	5.2672G	102.09	Inf	-Inf	3.56	3	Horizontal	180	1.60	-	98.53	31.40	6.61	34.45
PK	5.3608G	51.82	74.00	-22.18	3.45	3	Horizontal	180	1.60	-	48.37	31.19	6.71	34.45

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

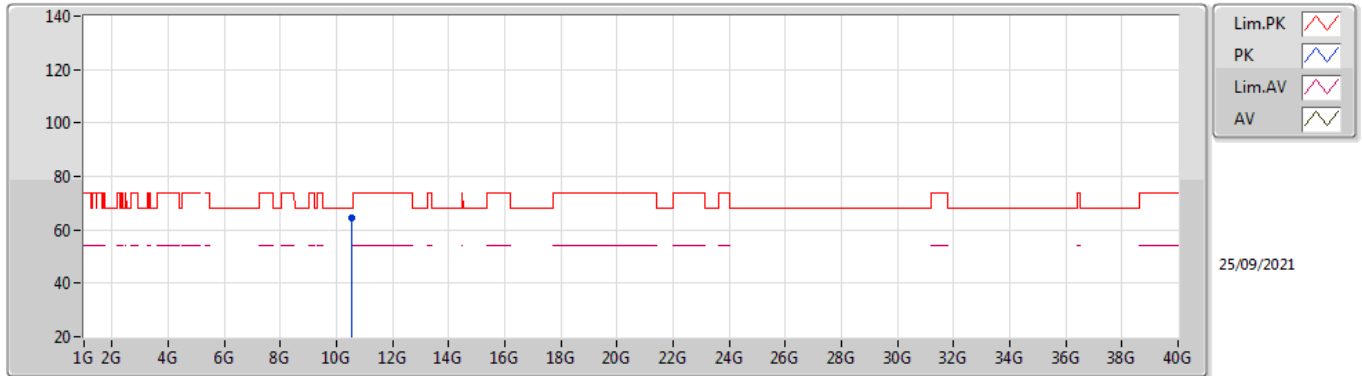
5270MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.5406G	64.71	68.20	-3.49	14.76	3	Vertical	244	1.66	-	49.95	39.66	9.57	34.47

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

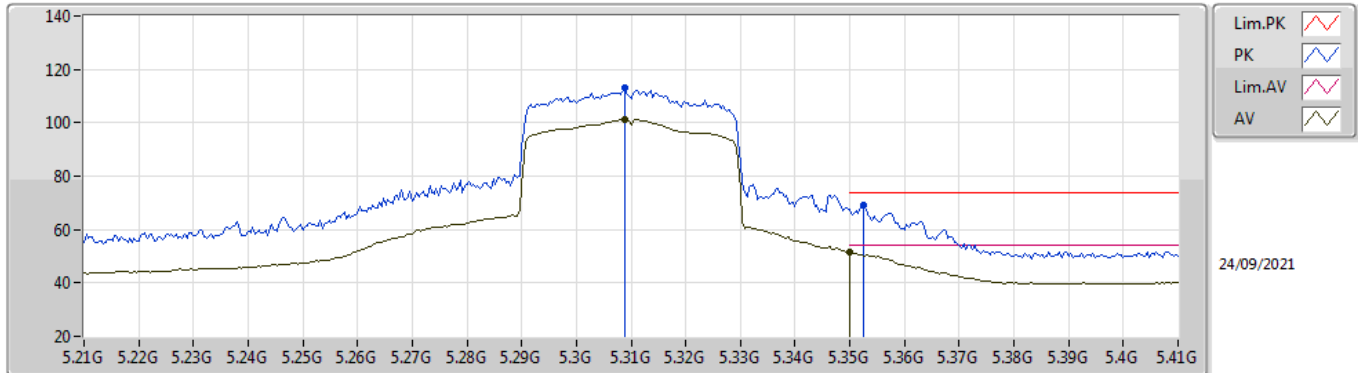
5270MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.54474G	64.31	68.20	-3.89	14.77	3	Horizontal	26	1.50	-	49.54	39.66	9.57	34.46

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

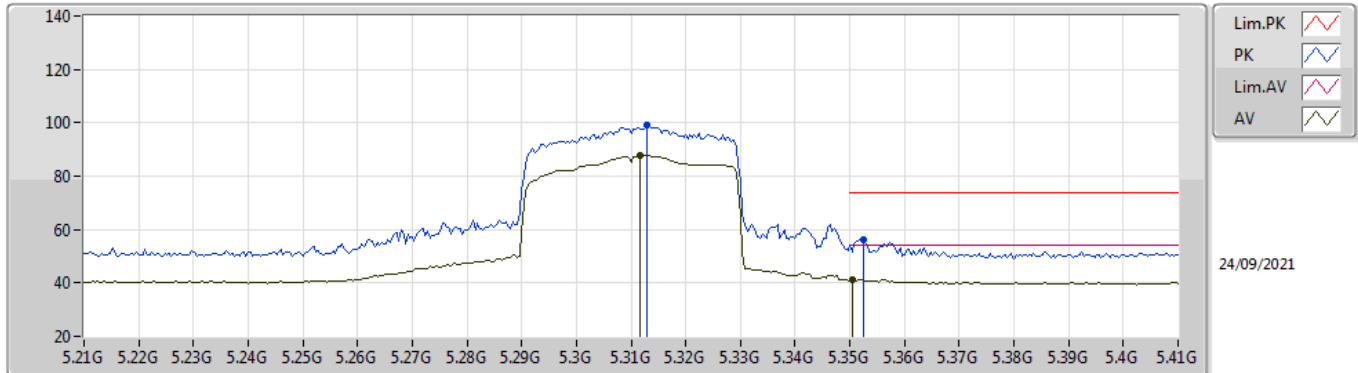
5310MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3088G	101.11	Inf	-Inf	3.39	3	Vertical	94	1.72	-	97.72	31.18	6.66	34.45
AV	5.35G	51.32	54.00	-2.68	3.35	3	Vertical	94	1.72	-	47.97	31.10	6.70	34.45
PK	5.3088G	112.90	Inf	-Inf	3.39	3	Vertical	94	1.72	-	109.51	31.18	6.66	34.45
PK	5.3524G	69.20	74.00	-4.80	3.38	3	Vertical	94	1.72	-	65.82	31.12	6.71	34.45

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

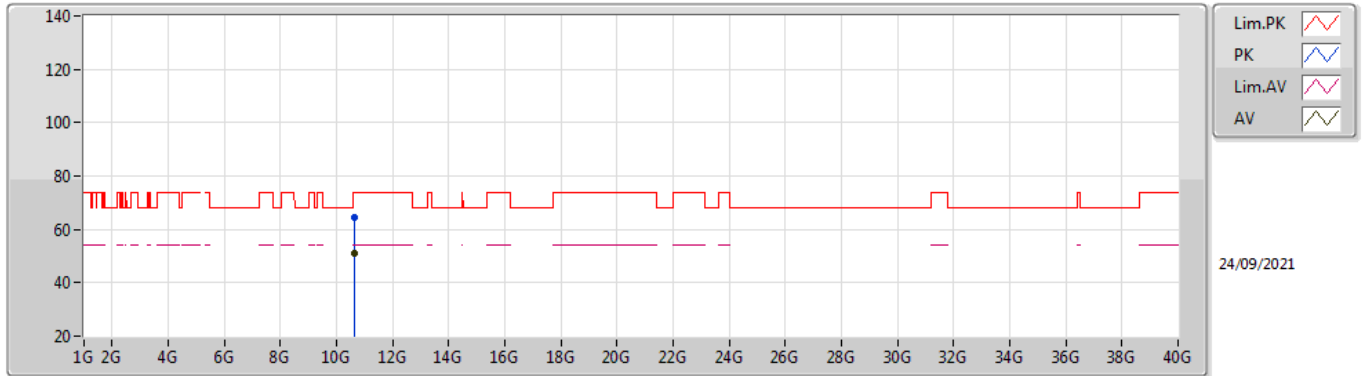
5310MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.3116G	87.70	Inf	-Inf	3.39	3	Horizontal	192	1.50	-	84.31	31.18	6.66	34.45
AV	5.3504G	41.20	54.00	-12.80	3.35	3	Horizontal	192	1.50	-	37.85	31.10	6.70	34.45
PK	5.3128G	99.01	Inf	-Inf	3.38	3	Horizontal	192	1.50	-	95.63	31.17	6.66	34.45
PK	5.3524G	56.40	74.00	-17.60	3.38	3	Horizontal	192	1.50	-	53.02	31.12	6.71	34.45

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

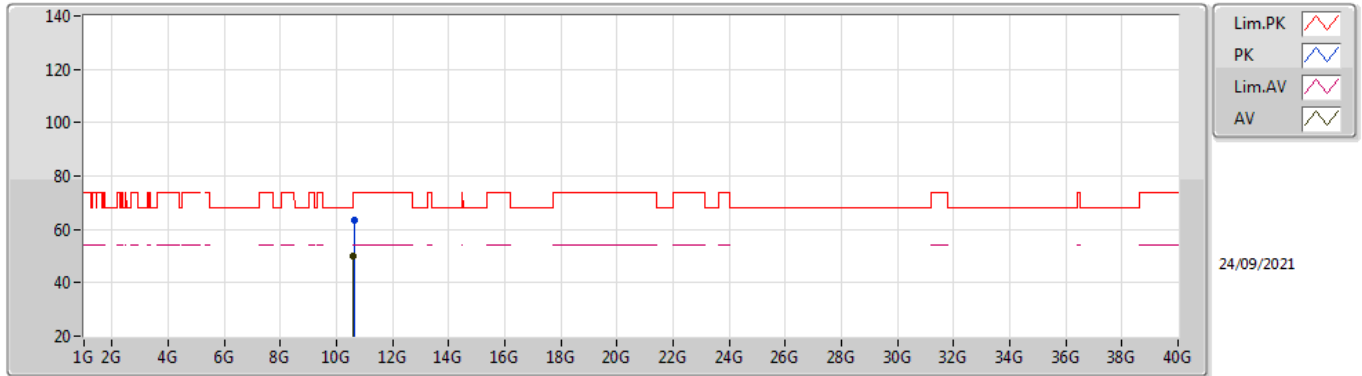
5310MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.64784G	51.26	54.00	-2.74	14.88	3	Vertical	24	2.36	-	36.38	39.70	9.61	34.43
PK	10.64976G	64.45	74.00	-9.55	14.88	3	Vertical	24	2.36	-	49.57	39.70	9.61	34.43

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

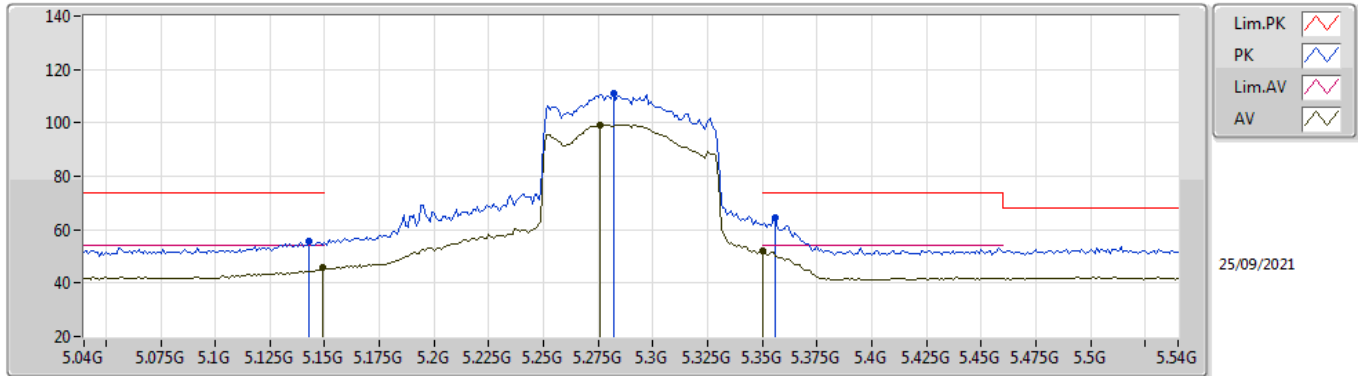
5310MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.61472G	50.08	54.00	-3.92	14.79	3	Horizontal	26	1.44	-	35.29	39.63	9.60	34.44
PK	10.62144G	63.29	74.00	-10.71	14.80	3	Horizontal	26	1.44	-	48.49	39.64	9.60	34.44

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

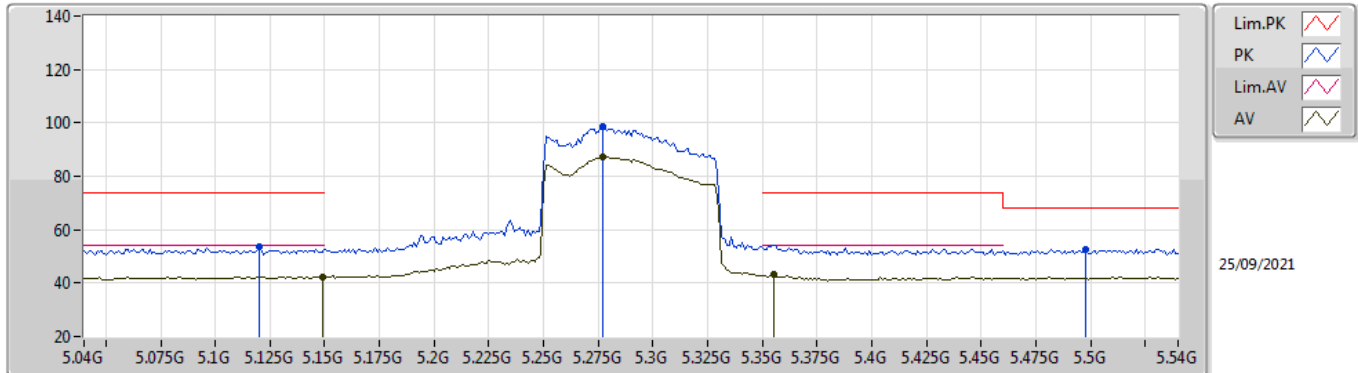
5290MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149G	45.87	54.00	-8.13	4.05	3	Vertical	67	1.74	-	41.82	32.00	6.49	34.44
AV	5.276G	99.29	Inf	-Inf	3.51	3	Vertical	67	1.74	-	95.78	31.34	6.62	34.45
AV	5.35G	52.31	54.00	-1.69	3.35	3	Vertical	67	1.74	-	48.96	31.10	6.70	34.45
PK	5.143G	55.66	74.00	-18.34	4.05	3	Vertical	67	1.74	-	51.61	32.00	6.49	34.44
PK	5.282G	110.93	Inf	-Inf	3.48	3	Vertical	67	1.74	-	107.45	31.31	6.62	34.45
PK	5.356G	64.44	74.00	-9.56	3.41	3	Vertical	67	1.74	-	61.03	31.15	6.71	34.45

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

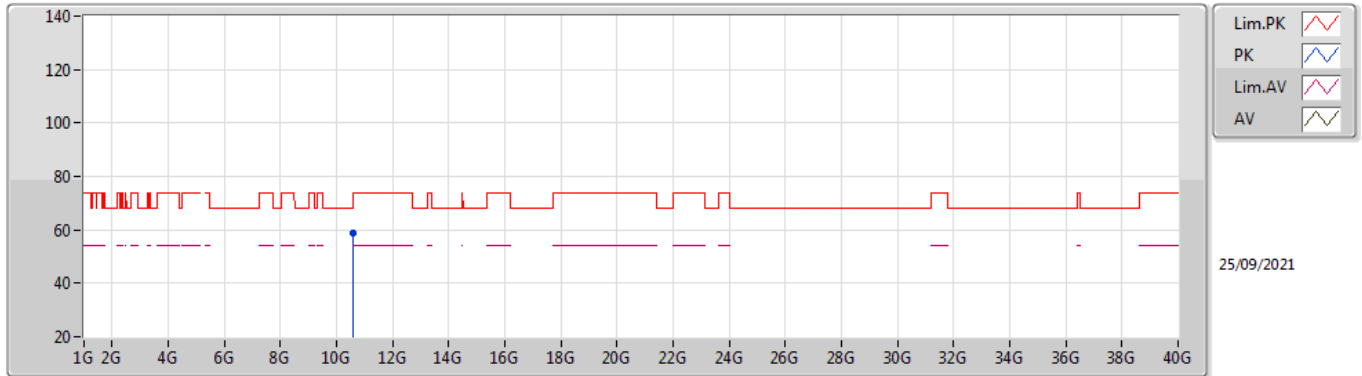
5290MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149G	42.38	54.00	-11.62	4.05	3	Horizontal	216	1.50	-	38.33	32.00	6.49	34.44
AV	5.277G	87.17	Inf	-Inf	3.51	3	Horizontal	216	1.50	-	83.66	31.34	6.62	34.45
AV	5.355G	43.05	54.00	-10.95	3.40	3	Horizontal	216	1.50	-	39.65	31.14	6.71	34.45
PK	5.12G	53.58	74.00	-20.42	4.03	3	Horizontal	216	1.50	-	49.55	32.00	6.47	34.44
PK	5.277G	98.47	Inf	-Inf	3.51	3	Horizontal	216	1.50	-	94.96	31.34	6.62	34.45
PK	5.498G	52.80	68.20	-15.40	4.14	3	Horizontal	216	1.50	-	48.66	31.79	6.81	34.46

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

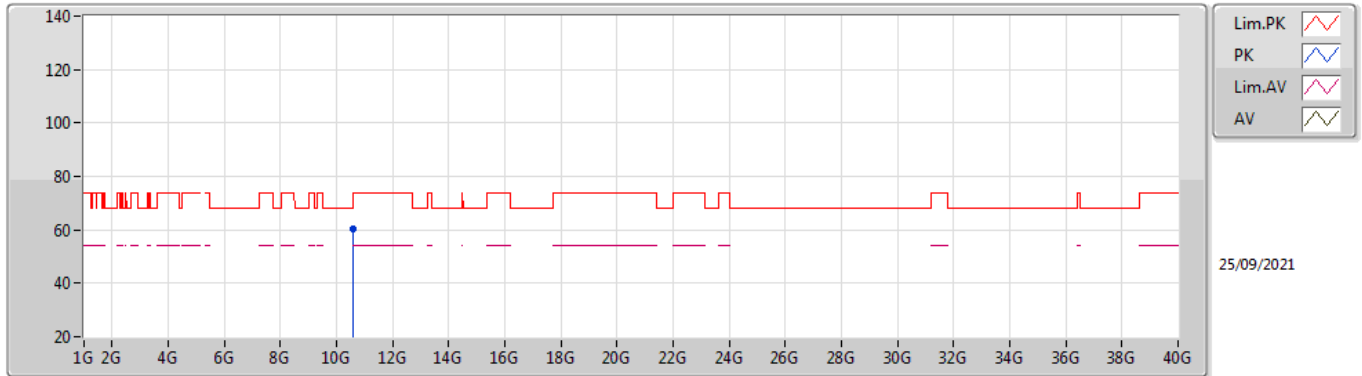
5290MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.58416G	58.97	68.20	-9.23	14.76	3	Vertical	243	1.67	-	44.21	39.62	9.59	34.45

802.11ax HEW80-BF_Nss1,(MCS0)_2TX

5290MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	10.57984G	60.18	68.20	-8.02	14.76	3	Horizontal	45	1.56	-	45.42	39.62	9.59	34.45