



RADIO TEST REPORT

FCC ID : UIDNVG678XY
Equipment : XGS-PON GATEWAY
Brand Name : ARRIS
Model Name : NVG678XY
Applicant : ARRIS
3871 Lakefield Dr, Suwanee, GA 30024, United States
Manufacturer : ARRIS
3871 Lakefield Dr, Suwanee, GA 30024, United States
Standard : 47 CFR FCC Part 15.407

The product was received on Dec. 16, 2022, and testing was started from Dec. 20, 2022 and completed on May 03, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Rex Liao

Sporton International Inc. Hsinchu Laboratory

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



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Summary of Test Result

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

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: **Sam Chen**

Report Producer: **Sandy Chuang**



1 General Description

1.1 Information

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]
5470-5725		5500-5720	100-144 [12]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20-BF	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20-BF	20	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW20-BF	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11n HT40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT40-BF	40	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80-BF	80	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.25-5.35GHz	802.11ax HEW80-BF	80	4TX
5.15-5.35GHz	802.11ac VHT160	160	4TX
5.15-5.35GHz	802.11ac VHT160-BF	160	4TX
5.15-5.35GHz	802.11ax HEW160	160	4TX
5.15-5.35GHz	802.11ax HEW160-BF	160	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11n HT20-BF	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80-BF	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11ac VHT160	160	4TX
5.47-5.725GHz	802.11ac VHT160-BF	160	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11ax HEW160-BF	160	4TX

Note:

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



1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz					
1	1	1	-	Pulse Technology	NVG678XY	PCB	I-Pex	Note 1
2	2	2	-	Pulse Technology	NVG678XY	PCB	I-Pex	
3	3	3	-	Pulse Technology	NVG678XY	PCB	I-Pex	
4	4	4	-	Pulse Technology	NVG678XY	PCB	I-Pex	
5	-	-	1	Pulse Technology	NVG678XY	PCB	I-Pex	
6	-	-	2	Pulse Technology	NVG678XY	PCB	I-Pex	
7	-	-	3	Pulse Technology	NVG678XY	PCB	I-Pex	
8	-	-	4	Pulse Technology	NVG678XY	PCB	I-Pex	
9	-	1	-	Pulse Technology	NVG678XY	PCB	I-Pex	4.16

Note 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8
1	2.87	3.7	3.88	4	2.78	-	-	-	-
2	3.24	2.67	2.84	2.05	2.18	-	-	-	-
3	2.93	2.76	3.15	2.08	2.38	-	-	-	-
4	4.12	3.53	3.97	4.25	4.33	-	-	-	-
5	-	-	-	-	-	3.78	3.12	3.87	3.87
6	-	-	-	-	-	2.13	2.61	4.1	4.3
7	-	-	-	-	-	2	2.27	2.94	4.77
8	-	-	-	-	-	3.1	2.54	3.75	3.85

Directional gain (dBi)					
Item	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3
4T1S	4.86	3.85	4.11	4.39	4.64
4T2S	4.12	3.7	3.97	4.25	4.33
4T4S	4.12	3.7	3.97	4.25	4.33



Directional gain (dBi)				
Item	6GHz UNII 5	6GHz UNII 6	6GHz UNII 7	6GHz UNII 8
4T1S	4.6	4.1	5.71	5.16
4T2S	3.78	3.12	4.1	4.77
4T4S	3.78	3.12	4.1	4.77

Note 2: The above information (except Ant. 1~8 gain and directional gain) was declared by manufacturer. The directional gain is measured which follows the procedure of KDB 662911 D03.

Note 3: Ant. 9 did not function during the tests.

Note 4: **For 2.4GHz function:**

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

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac/ax (4TX/4RX):

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

For IEEE 802.11a/n/ac/ax (1RX):

Port 1 (Ant.9) can be used as receiving antenna.

For 6GHz function:

For IEEE 802.11ax (4TX/4RX):

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.953	0.21	2.068m	1k
802.11ax HEW20	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF	0.955	0.2	2.926m	1k
802.11ax HEW40	0.967	0.15	780.625u	3k
802.11ax HEW40-BF	0.96	0.18	4.359m	300
802.11ax HEW80	0.937	0.28	415u	3k
802.11ax HEW80-BF	0.978	0.1	4.142m	300
802.11ax HEW160	0.887	0.52	236.625u	10k
802.11ax HEW160-BF	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for n/ax in 2.4GHz, n/ac/ax in 5GHz and ax in 6GHz.			
Function	<input type="checkbox"/>	Outdoor P2M	<input checked="" type="checkbox"/>	Indoor P2M
	<input type="checkbox"/>	Fixed P2P	<input type="checkbox"/>	Client
	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Support RU	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/>	Partial RU
Weather Band	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/>	Without 5600~5650MHz
TPC Function	<input checked="" type="checkbox"/>	With TPC	<input type="checkbox"/>	Without TPC
Channel Puncturing Function	<input type="checkbox"/>	Supported	<input checked="" type="checkbox"/>	Unsupported
Test Software Version	accessMtool 3.2.1.0			

Note: The above information was declared by manufacturer.



1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR262432AB.

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

Modifications	Performance Checking
1. Adding the UNII 2A and UNII 2C (5250~5350MHz and 5470~5725MHz) for this device. 2. Adding the 160MHz.	1. Emission Bandwidth 2. Maximum Output Power 3. Power Spectral Density 4. Unwanted Emissions <Above 1GHz>



1.2 Applicable Standards

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

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

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

- ◆ FCC KDB 662911 D03 v01
- ◆ FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Eason Chen	22.4-24.3 / 52-59	Dec. 26, 2022~ May 03, 2023
Radiated	03CH04-CB	Ken Yeh	22.2~23.6 / 65~69	Dec. 20, 2022~ Dec. 23, 2022

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)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	70
5300MHz	72
5320MHz	72
5500MHz	72
5580MHz	73
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	77
5720MHz Straddle 5.725-5.85GHz	77
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	69
5300MHz	70
5320MHz	72
5500MHz	71
5580MHz	72
5700MHz	61
5720MHz Straddle 5.47-5.725GHz	76
5720MHz Straddle 5.725-5.85GHz	76
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	67
5310MHz	57
5510MHz	66
5550MHz	69
5670MHz	65
5710MHz Straddle 5.47-5.725GHz	74
5710MHz Straddle 5.725-5.85GHz	74
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	59
5530MHz	66
5610MHz	68
5690MHz Straddle 5.47-5.725GHz	73
5690MHz Straddle 5.725-5.85GHz	73
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	56
5250MHz Straddle 5.25-5.35GHz	56
5570MHz	65



Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5260MHz	69
5300MHz	70
5320MHz	72
5500MHz	71
5580MHz	72
5700MHz	59
5720MHz Straddle 5.47-5.725GHz	76
5720MHz Straddle 5.725-5.85GHz	76
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5270MHz	67
5310MHz	65
5510MHz	69
5550MHz	69
5670MHz	51
5710MHz Straddle 5.47-5.725GHz	74
5710MHz Straddle 5.725-5.85GHz	74
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5290MHz	61
5530MHz	71
5610MHz	68
5690MHz Straddle 5.47-5.725GHz	73
5690MHz Straddle 5.725-5.85GHz	73
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	64
5250MHz Straddle 5.25-5.35GHz	64
5570MHz	68

Note:

- ◆ Evaluated HEW20/HEW40/HEW80/HEW160 mode only due to the similar modulation.
- ◆ The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.



2.2 The Worst Case Measurement Configuration

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

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 After evaluating, the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz UNII1~UNII3 + WLAN 6GHz UNII5~UNII8
Refer to Sporton Test Report No.: FA262432-01 for Co-location RF Exposure Evaluation.	



2.3 EUT Operation during Test

Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

Beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Wireless AP and transmit duty cycle no less than 98%.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter 1	APD	WA-45A12FU	Input: 100-120V~, 60Hz, 1.2A Max Output: 12V, 3.75A
Adapter 2	MOSO	MSS-V3500AR120-042A0-US	Input: 100-120V~50/60Hz, 1.2A max. Output: 12.0V, 3.5A



2.5 Support Equipment

For Radiated:
<Non-beamforming mode>

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

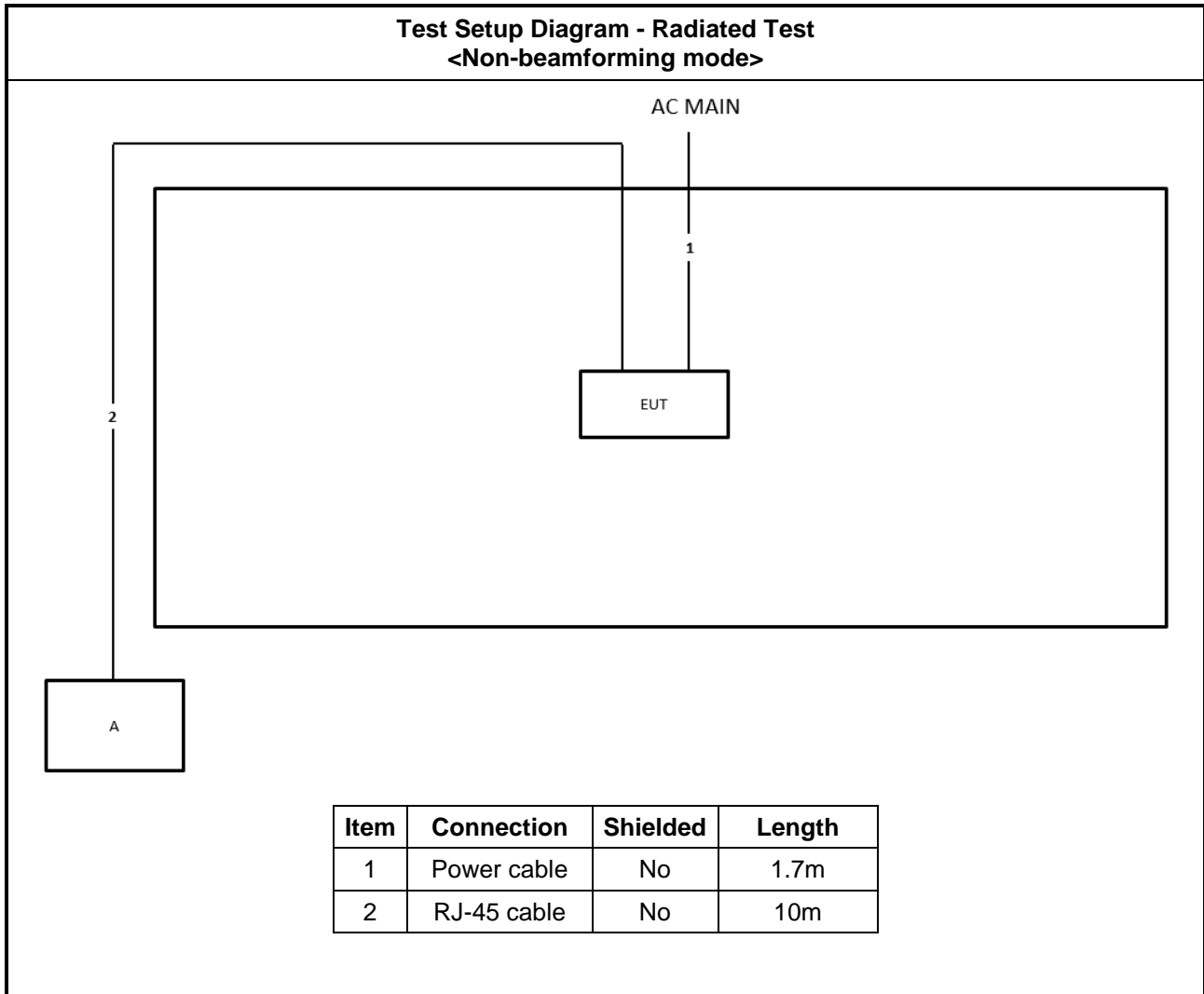
<Beamforming mode>

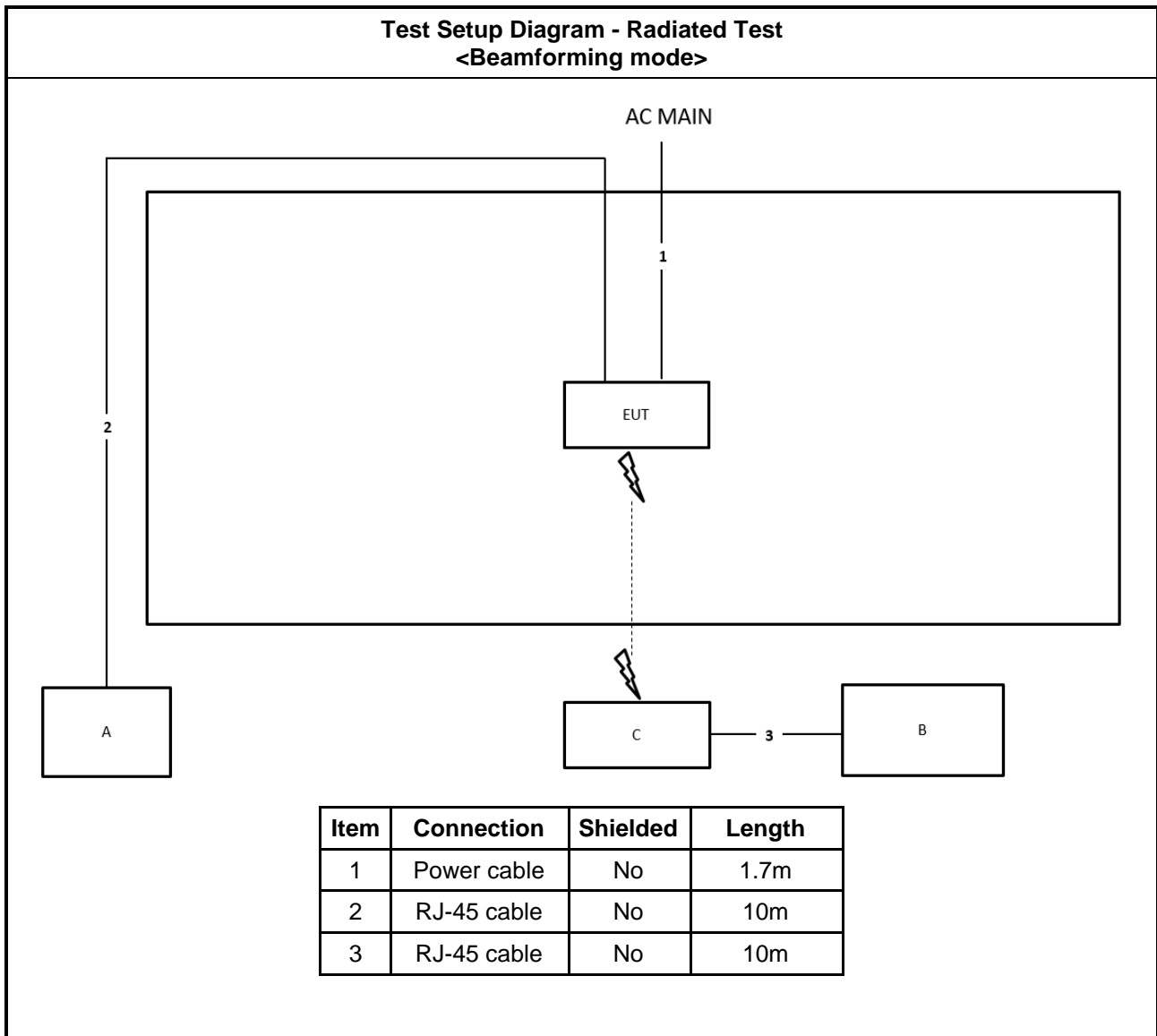
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	WLAN AP	ASUS	RT-AX88U	MSQ-RTAXHP00

For RF Conducted:

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

2.6 Test Setup Diagram





3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

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

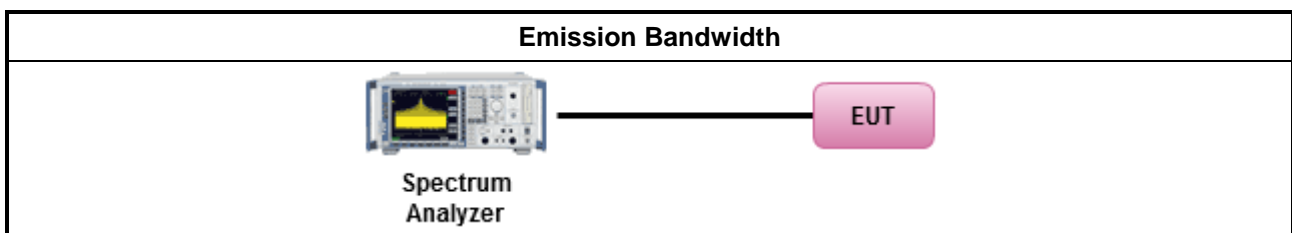
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.1.4 Test Setup





3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A



3.2 Maximum Output Power

3.2.1 Limit

Maximum Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $\leq 125mW$ [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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> 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 $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> 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 $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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.
LE-LAN Devices	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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

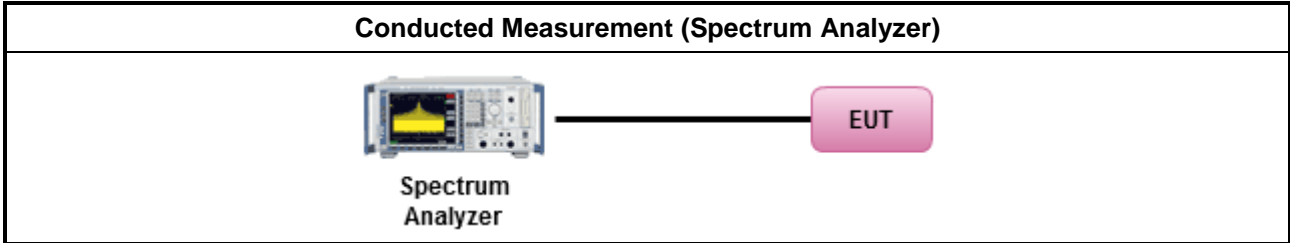
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

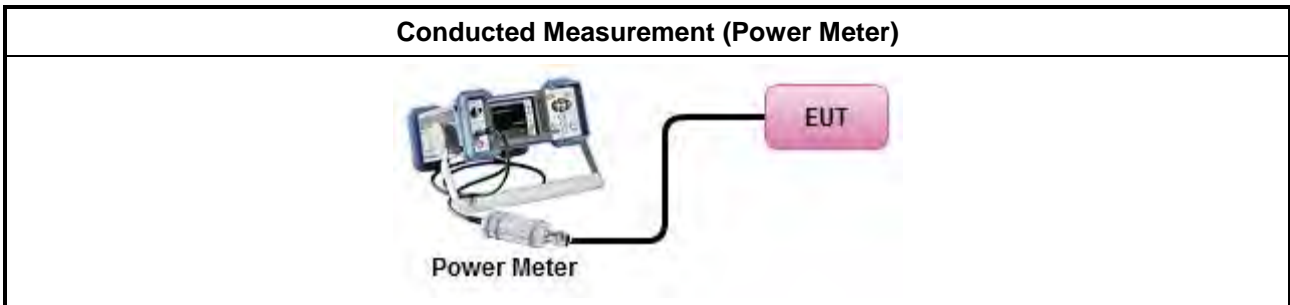
Test Method	
	Average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	<ul style="list-style-type: none"> 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]) $EIRP_{total} = P_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.2.4 Test Setup

For Straddle channels



For other channels



3.2.5 Test Result of Maximum Output Power

Refer as Appendix B



3.3 Power Spectral Density

3.3.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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.
LE-LAN Devices	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	<ul style="list-style-type: none"> ▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 ($\theta-8$) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 ($\theta-40$) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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.

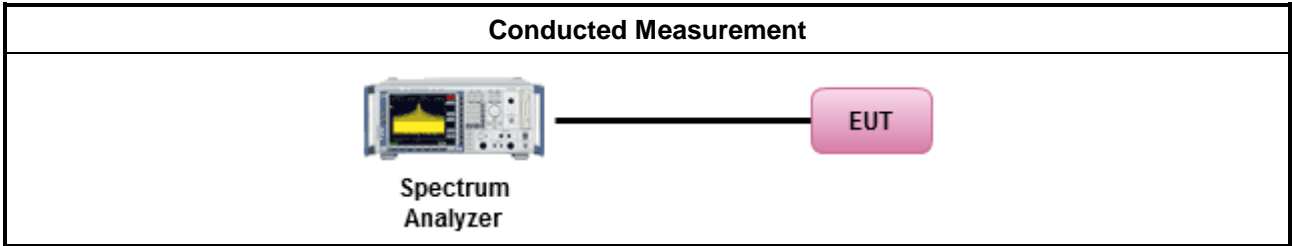


3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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: 	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, F5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input checked="" type="checkbox"/> For conducted measurement.	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
<ul style="list-style-type: none"> ▪ 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]) $EIRP_{total} = PPSD_{total} + DG$ 	

<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	<ul style="list-style-type: none"> Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Refer as Appendix C



3.4 Unwanted Emissions

3.4.1 Transmitter Unwanted Emissions Limit

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

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

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

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

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

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



linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

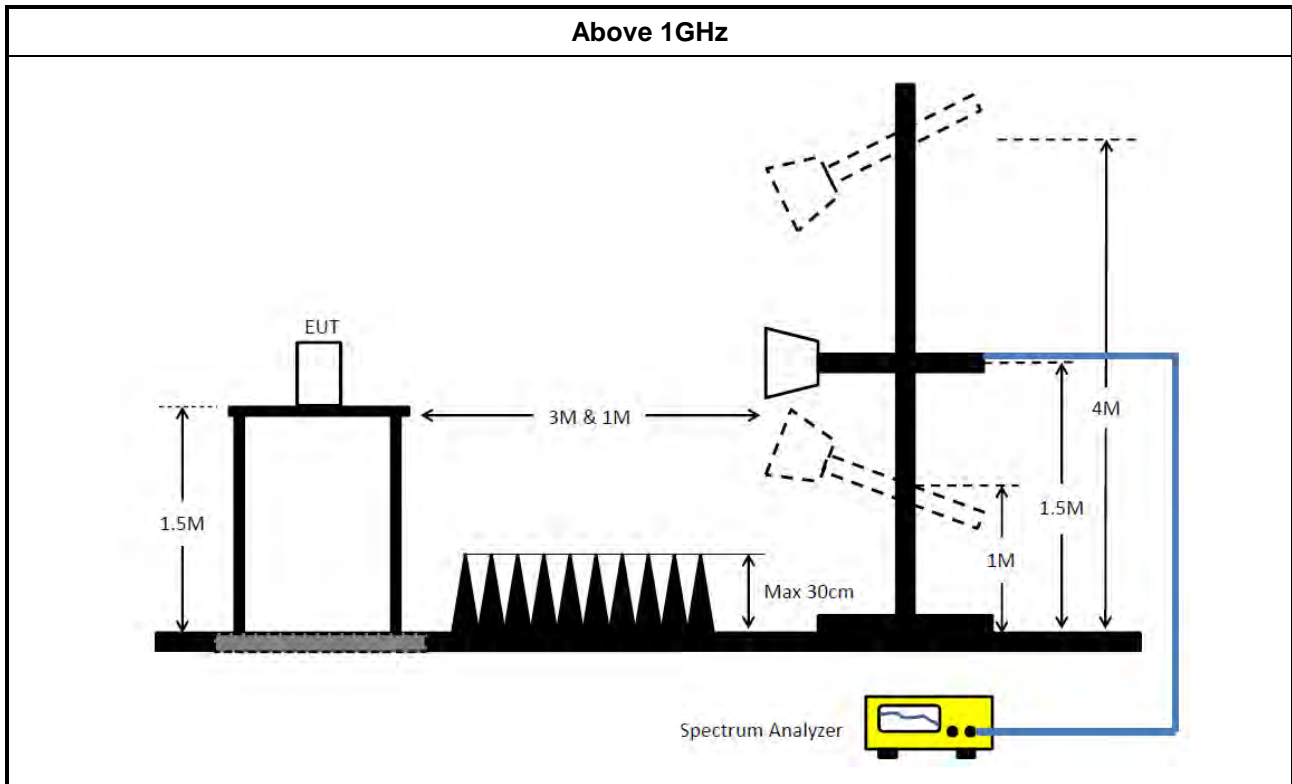
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
	<ul style="list-style-type: none"> ▪ 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).
	<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
	<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below:
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands. ▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
	<ul style="list-style-type: none"> ▪ For radiated measurement.
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level.
	<ul style="list-style-type: none"> ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.4.4 Test Setup



3.4.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 24, 2022	Feb. 23, 2023	Radiation (03CH04-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 04, 2022	Sep. 03, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 04, 2022	Sep. 03, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	82M	77.561M	77M6D1D	81.2M	77.401M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.76M	77.561M	77M6D1D	81.52M	77.401M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	24.805M	17.107M	17M1D1D	21.835M	16.976M
802.11ax HEW20_Nss1,(MCS0)_4TX	26.565M	19.215M	19M2D1D	21.945M	19.115M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	28.05M	19.24M	19M2D1D	22.055M	19.09M
802.11ax HEW40_Nss1,(MCS0)_4TX	49.83M	37.981M	38M0D1D	41.91M	37.831M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	51.26M	37.931M	37M9D1D	41.58M	37.831M
802.11ax HEW80_Nss1,(MCS0)_4TX	88.44M	77.561M	77M6D1D	86.46M	77.461M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	96.8M	77.561M	77M6D1D	86.9M	77.461M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.92M	77.641M	77M6D1D	81.68M	77.481M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.6M	77.721M	77M7D1D	81.2M	77.481M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	24.75M	17.129M	17M1D1D	16.05M	13.553M
802.11ax HEW20_Nss1,(MCS0)_4TX	29.315M	19.19M	19M2D1D	16.29M	14.588M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.315M	19.19M	19M2D1D	16.95M	14.588M
802.11ax HEW40_Nss1,(MCS0)_4TX	45.43M	37.931M	37M9D1D	35.735M	33.758M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	47.74M	37.931M	37M9D1D	35.805M	33.758M
802.11ax HEW80_Nss1,(MCS0)_4TX	89.1M	77.461M	77M5D1D	77.175M	73.313M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	94.16M	77.561M	77M6D1D	77.25M	73.238M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.88M	156.722M	157MD1D	165M	156.122M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165.44M	156.522M	157MD1D	164.56M	156.122M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.18M	5.197M	5M20D1D	3.14M	4.998M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.5M	5.617M	5M62D1D	4.42M	5.257M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.48M	5.517M	5M52D1D	4.44M	5.297M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.04M	10.115M	10M1D1D	3.88M	9.455M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4M	10.035M	10M0D1D	3.84M	9.415M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.94M	19.15M	19M2D1D	3.8M	17.671M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.84M	19.65M	19M7D1D	3.82M	17.291M

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)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.945M	17.085M	23.925M	17.063M	22.385M	17.019M	23.045M	17.019M
5300MHz	Pass	Inf	24.805M	17.107M	23.045M	16.998M	23.485M	17.041M	21.835M	16.976M
5320MHz	Pass	Inf	22.605M	17.063M	22.44M	17.063M	23.265M	17.085M	22.275M	17.019M
5500MHz	Pass	Inf	22.825M	17.107M	24.75M	17.085M	24.75M	17.085M	23.65M	17.019M
5580MHz	Pass	Inf	24.31M	17.019M	23.595M	17.129M	23.045M	17.019M	22.495M	17.063M
5700MHz	Pass	Inf	21.285M	16.778M	21.285M	16.778M	21.34M	16.756M	21.34M	16.712M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.335M	13.598M	16.185M	13.628M	16.275M	13.553M	16.05M	13.598M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	5.197M	3.16M	5.157M	3.14M	5.117M	3.14M	4.998M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	26.565M	19.215M	21.945M	19.165M	25.135M	19.215M	23.54M	19.115M
5300MHz	Pass	Inf	24.145M	19.165M	22.385M	19.14M	22.33M	19.165M	23.155M	19.14M
5320MHz	Pass	Inf	26.015M	19.165M	23.815M	19.165M	26.565M	19.19M	22.55M	19.165M
5500MHz	Pass	Inf	25.74M	19.19M	27.61M	19.165M	29.315M	19.14M	27.115M	19.14M
5580MHz	Pass	Inf	27.995M	19.14M	25.795M	19.165M	26.84M	19.165M	26.29M	19.14M
5700MHz	Pass	Inf	21.56M	19.065M	21.34M	19.04M	21.56M	19.04M	21.45M	19.04M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.515M	14.588M	16.29M	14.588M	19.275M	14.603M	17.01M	14.588M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.5M	5.257M	4.42M	5.617M	4.46M	5.277M	4.5M	5.477M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	41.91M	37.831M	44.55M	37.931M	42.35M	37.881M	42.9M	37.831M
5310MHz	Pass	Inf	43.89M	37.881M	49.83M	37.981M	42.24M	37.881M	49.39M	37.831M
5510MHz	Pass	Inf	45.43M	37.881M	42.57M	37.881M	45.21M	37.831M	43.89M	37.881M
5550MHz	Pass	Inf	43.78M	37.881M	41.8M	37.831M	43.23M	37.831M	42.02M	37.831M
5670MHz	Pass	Inf	42.57M	37.831M	41.14M	37.831M	43.67M	37.881M	44M	37.931M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	38.325M	33.758M	35.735M	33.793M	35.945M	33.828M	36.26M	33.758M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	9.675M	3.88M	10.115M	3.92M	9.455M	4M	9.855M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	87.34M	77.561M	86.46M	77.461M	88.44M	77.461M	87.78M	77.461M
5530MHz	Pass	Inf	85.58M	77.361M	89.1M	77.461M	86.02M	77.361M	85.58M	77.461M
5610MHz	Pass	Inf	88.22M	77.461M	83.82M	77.361M	87.12M	77.461M	88.44M	77.461M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	78.45M	73.313M	81.45M	73.388M	77.175M	73.313M	79.95M	73.313M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	18.071M	3.8M	19.15M	3.9M	17.671M	3.8M	17.851M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.44M	77.401M	82M	77.401M	81.2M	77.561M	81.6M	77.401M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.76M	77.481M	81.76M	77.561M	81.68M	77.641M	81.92M	77.561M
5570MHz	Pass	Inf	165.88M	156.322M	165M	156.722M	165.44M	156.322M	165M	156.122M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	28.05M	19.165M	23.65M	19.165M	22.99M	19.165M	24.2M	19.14M
5300MHz	Pass	Inf	26.675M	19.19M	26.235M	19.19M	22.055M	19.165M	23.65M	19.09M
5320MHz	Pass	Inf	27.39M	19.24M	23.375M	19.215M	24.475M	19.165M	24.86M	19.14M
5500MHz	Pass	Inf	29.315M	19.165M	24.53M	19.165M	26.345M	19.165M	22.88M	19.165M
5580MHz	Pass	Inf	23.375M	19.19M	23.54M	19.165M	23.705M	19.165M	22.385M	19.165M
5700MHz	Pass	Inf	21.56M	19.065M	21.285M	19.04M	21.45M	19.065M	21.45M	19.04M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.07M	14.618M	17.61M	14.588M	18.24M	14.618M	16.95M	14.588M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	5.517M	4.46M	5.477M	4.48M	5.457M	4.44M	5.297M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	43.67M	37.831M	45.1M	37.831M	41.58M	37.831M	42.24M	37.831M
5310MHz	Pass	Inf	51.26M	37.881M	43.01M	37.931M	45.65M	37.881M	45.65M	37.931M
5510MHz	Pass	Inf	47.74M	37.931M	44.33M	37.881M	43.45M	37.831M	44.44M	37.881M
5550MHz	Pass	Inf	42.35M	37.931M	40.81M	37.831M	42.46M	37.881M	41.25M	37.831M
5670MHz	Pass	Inf	42.68M	37.831M	45.21M	37.831M	43.45M	37.881M	44.33M	37.831M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	36.575M	33.793M	35.805M	33.828M	35.945M	33.758M	36.225M	33.758M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	9.715M	3.84M	10.035M	3.86M	9.415M	4M	9.455M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	96.8M	77.561M	89.76M	77.461M	92.62M	77.461M	86.9M	77.461M



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)
5530MHz	Pass	Inf	88.44M	77.461M	90.64M	77.561M	88.66M	77.461M	94.16M	77.561M
5610MHz	Pass	Inf	87.34M	77.361M	84.92M	77.461M	84.7M	77.461M	84.7M	77.461M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.775M	73.313M	77.25M	73.238M	78.225M	73.388M	77.475M	73.388M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.84M	18.351M	3.84M	19.65M	3.82M	17.291M	3.82M	18.611M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.68M	77.561M	81.76M	77.401M	81.6M	77.401M	81.52M	77.561M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.36M	77.721M	81.6M	77.481M	81.2M	77.481M	81.52M	77.561M
5570MHz	Pass	Inf	164.56M	156.322M	165.44M	156.522M	164.56M	156.322M	164.56M	156.122M

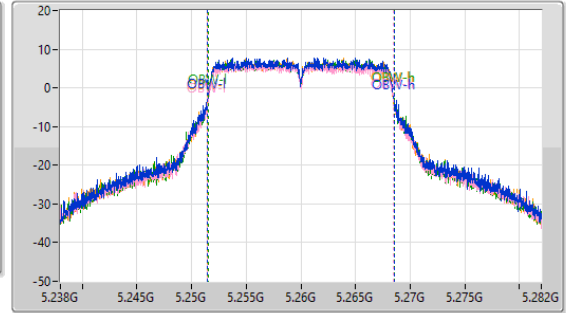
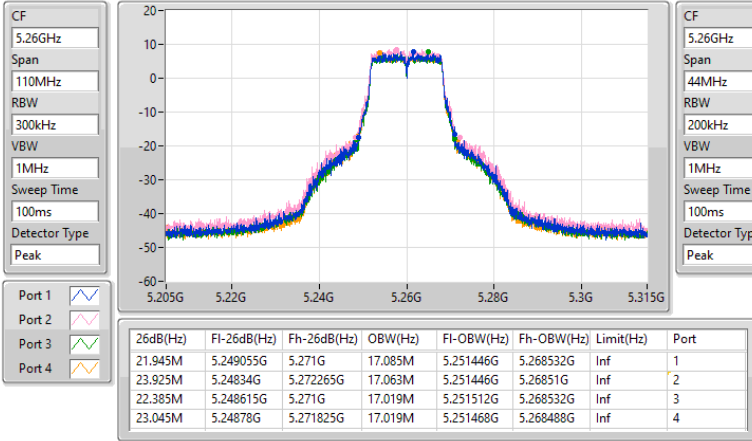
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

03/05/2023

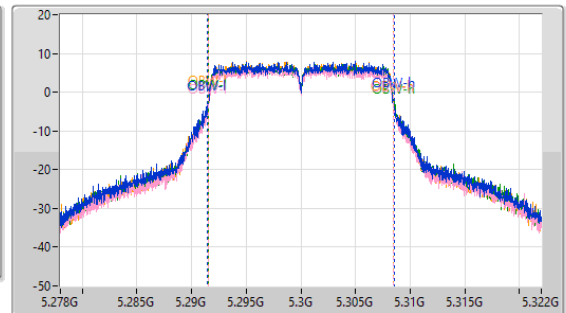
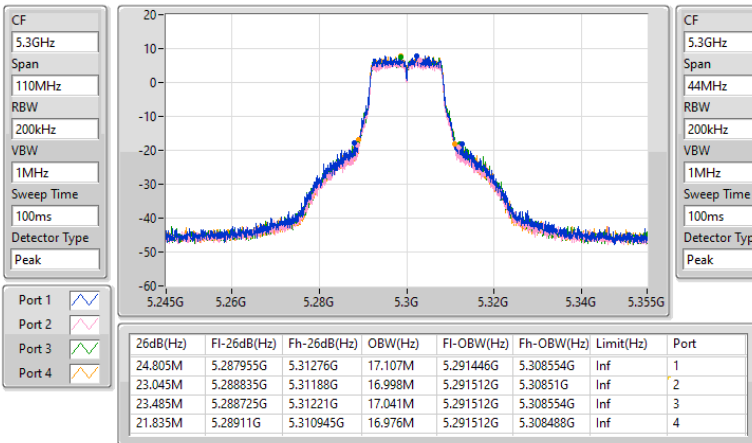


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

03/05/2023

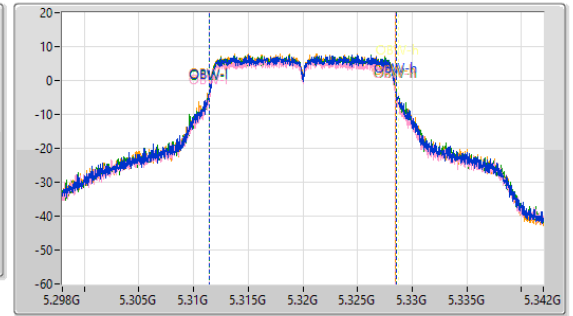
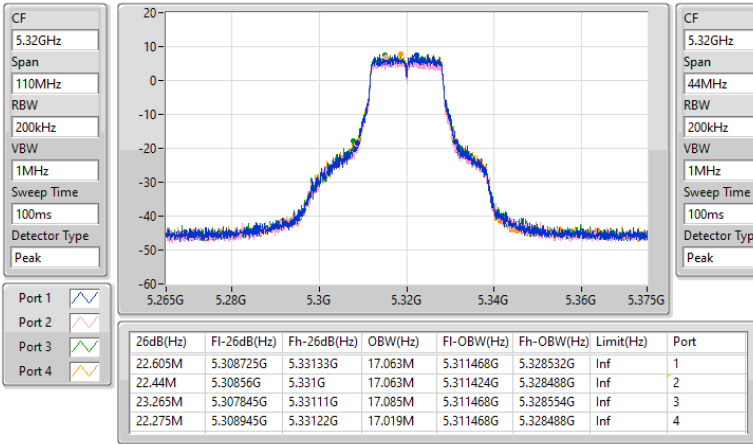


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

03/05/2023

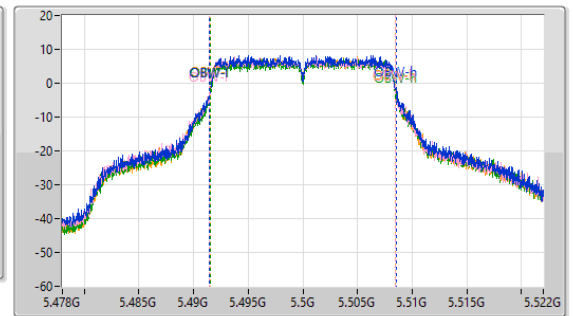
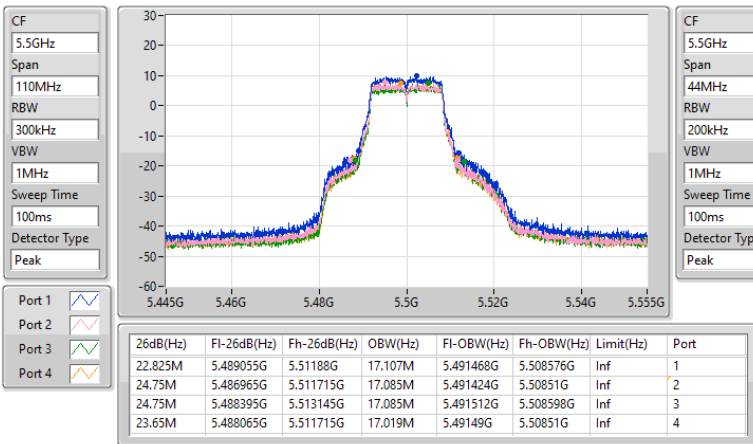


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

03/05/2023

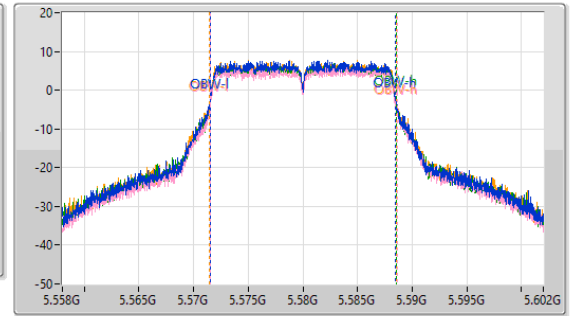
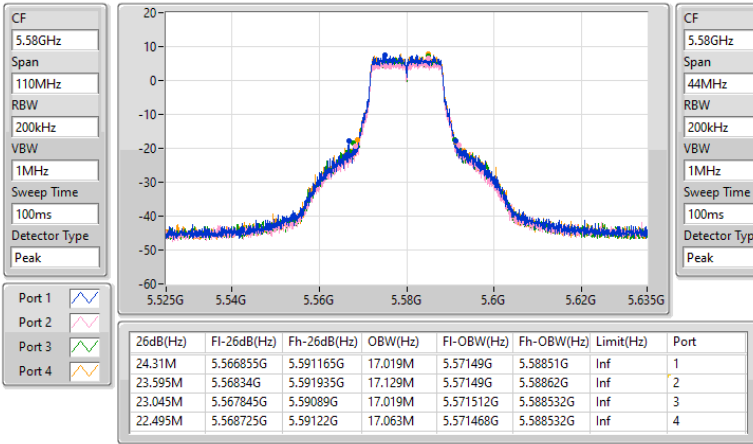


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

03/05/2023

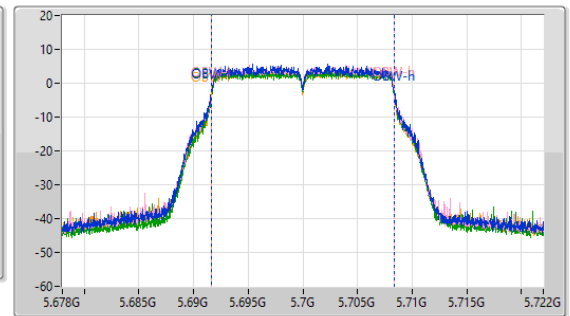
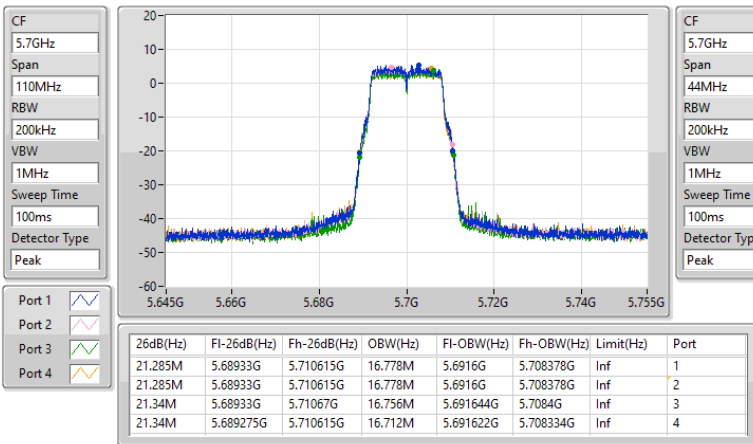


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

27/12/2022

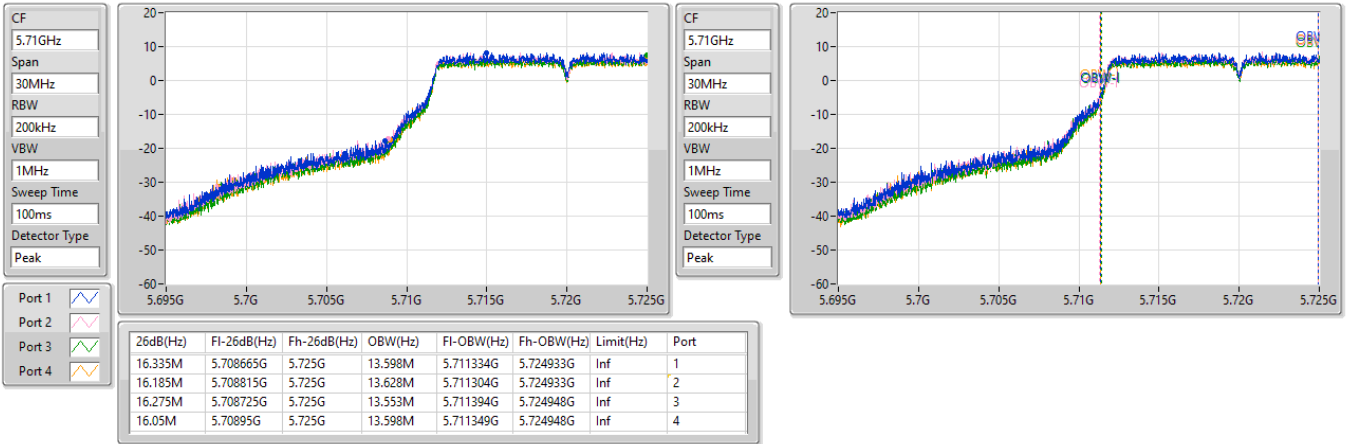


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/05/2023

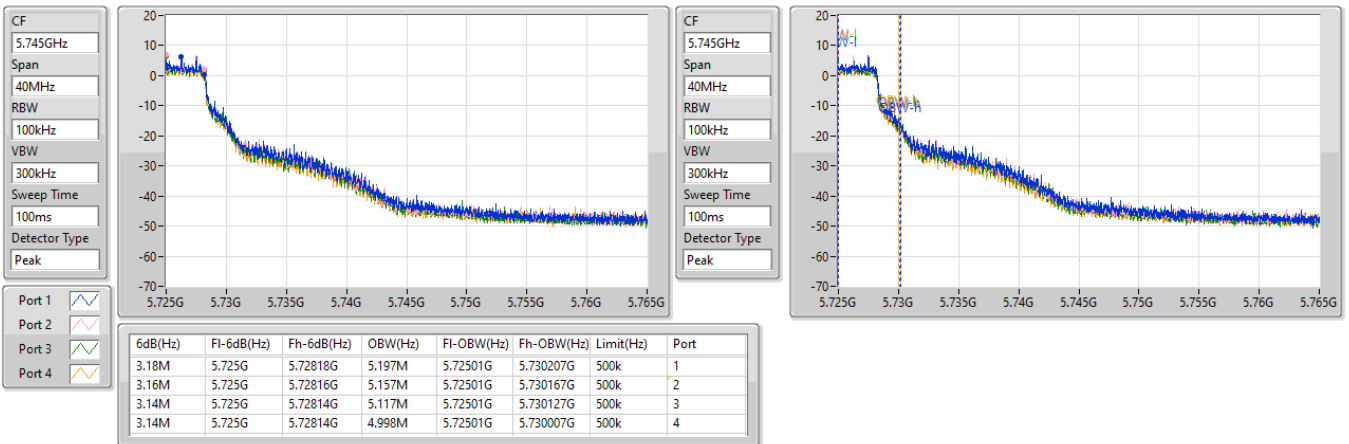


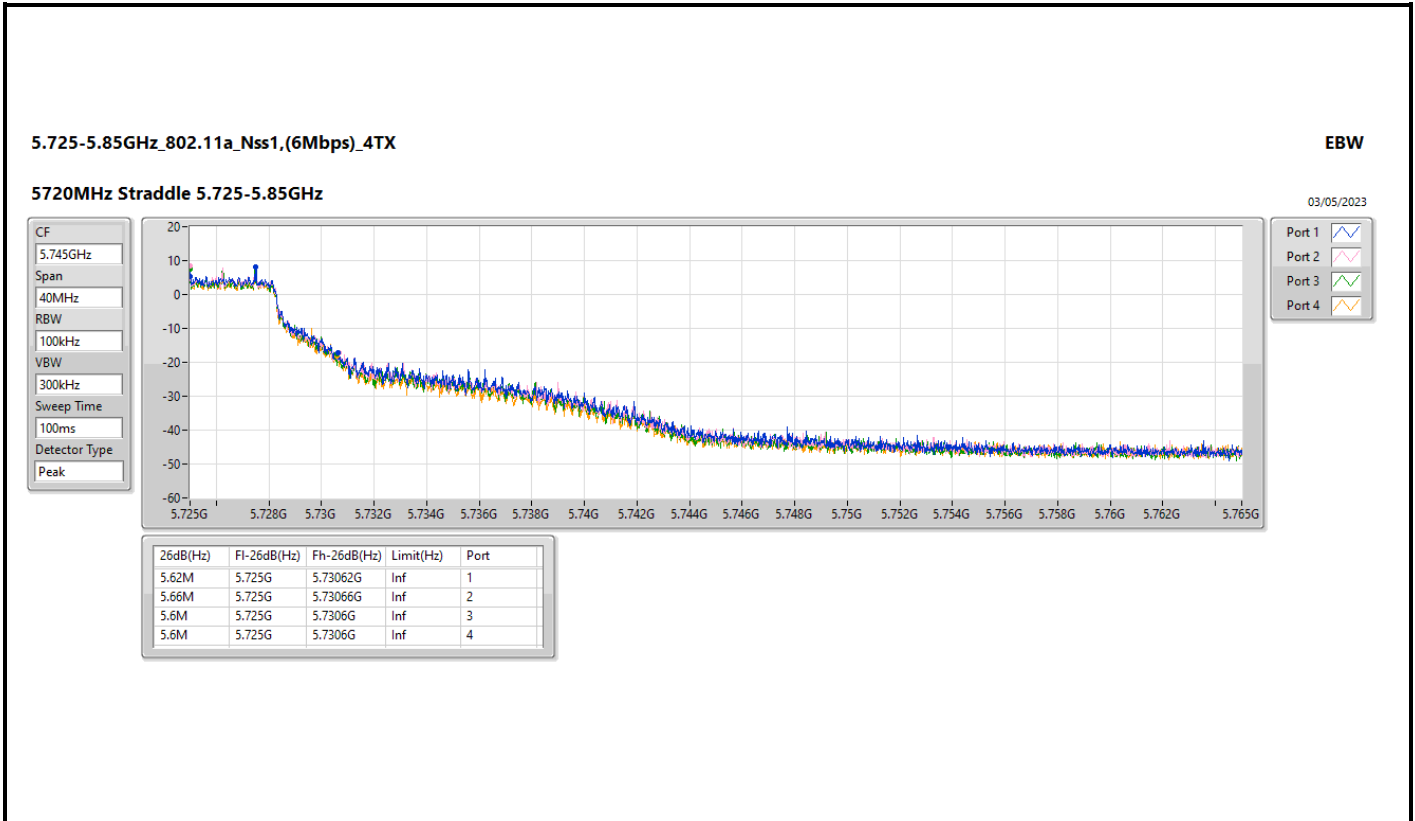
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/05/2023



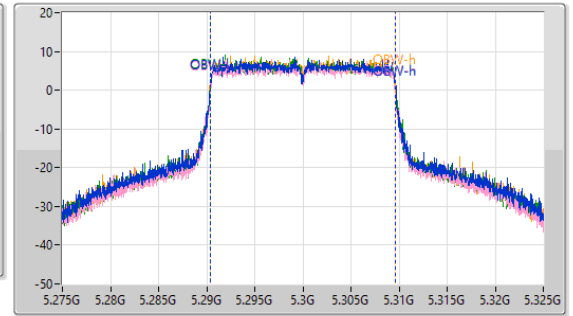
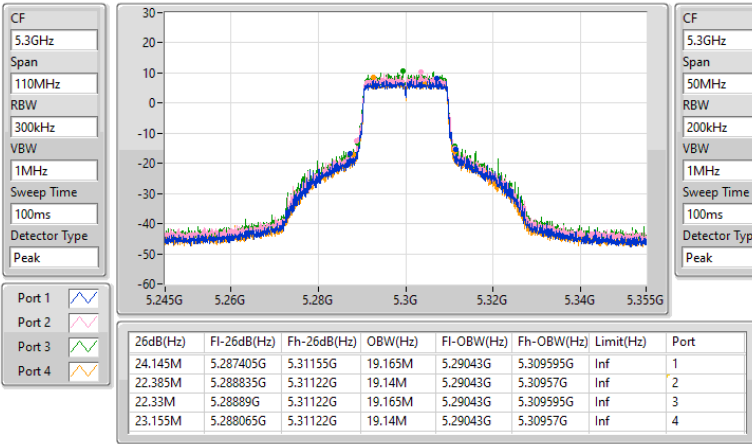


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

03/05/2023

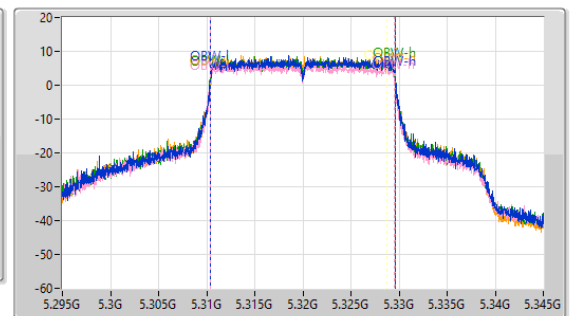
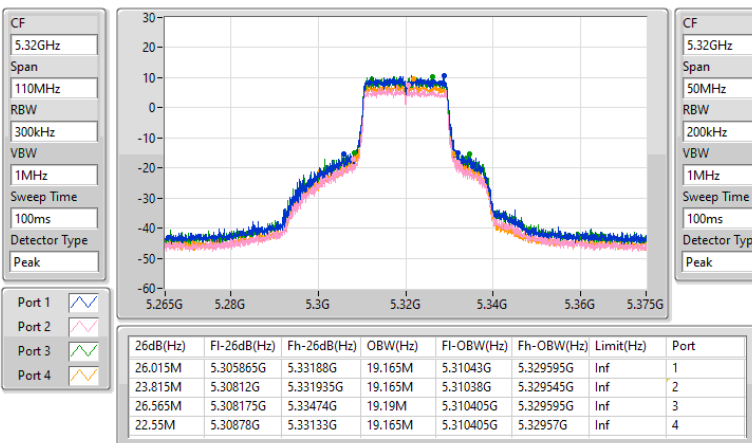


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

03/05/2023

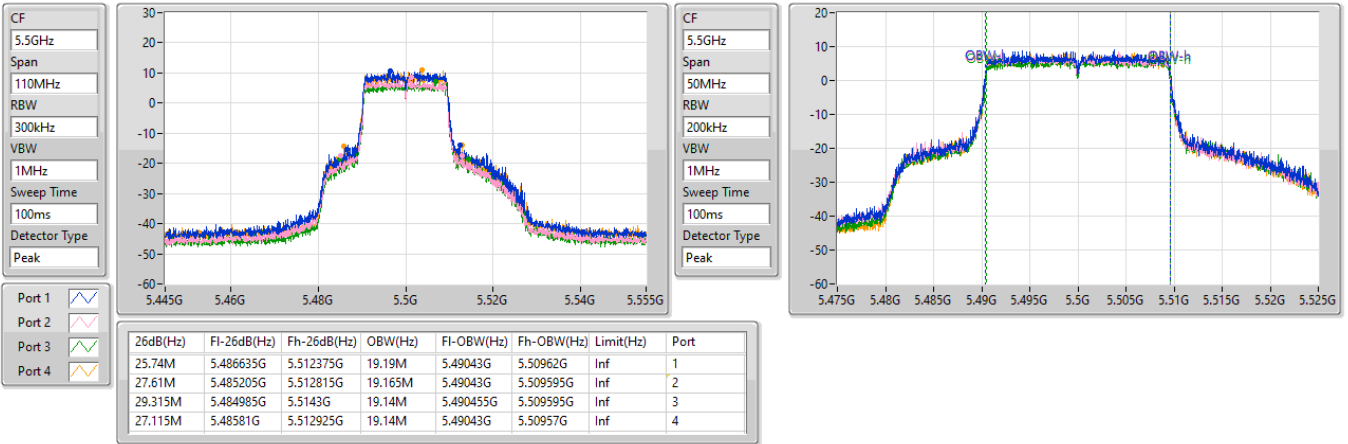


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

03/05/2023

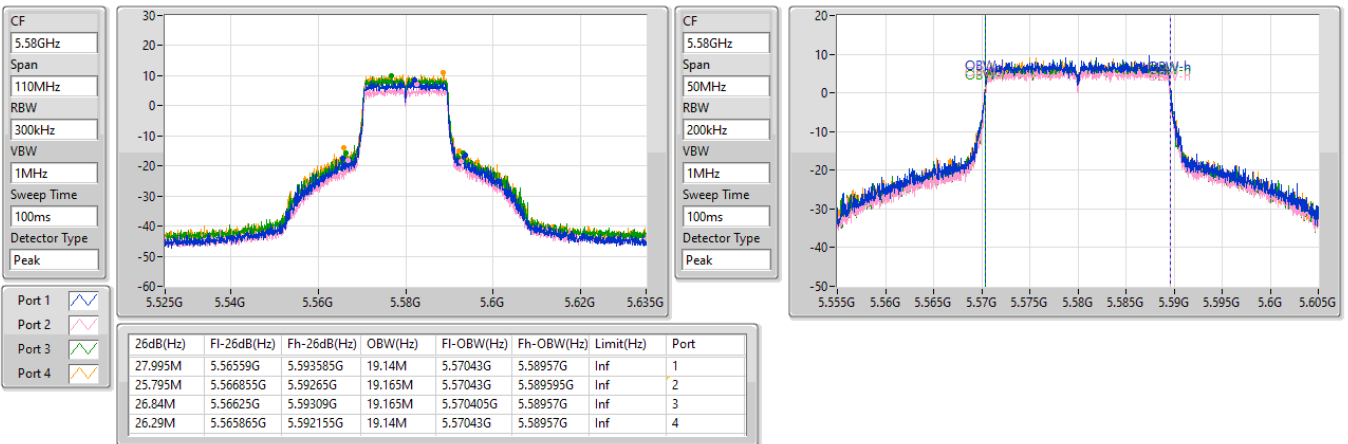


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

03/05/2023

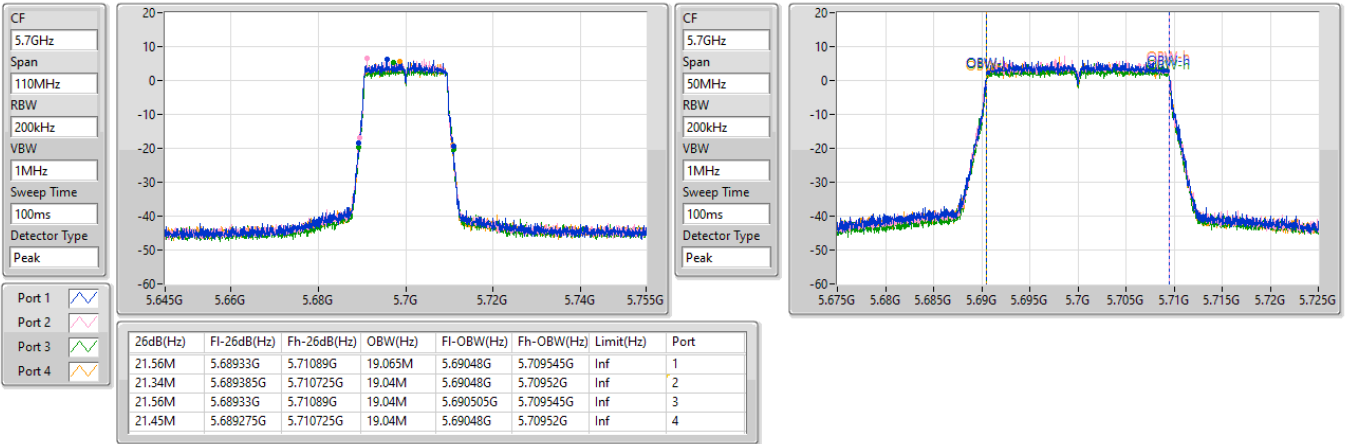


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

27/12/2022

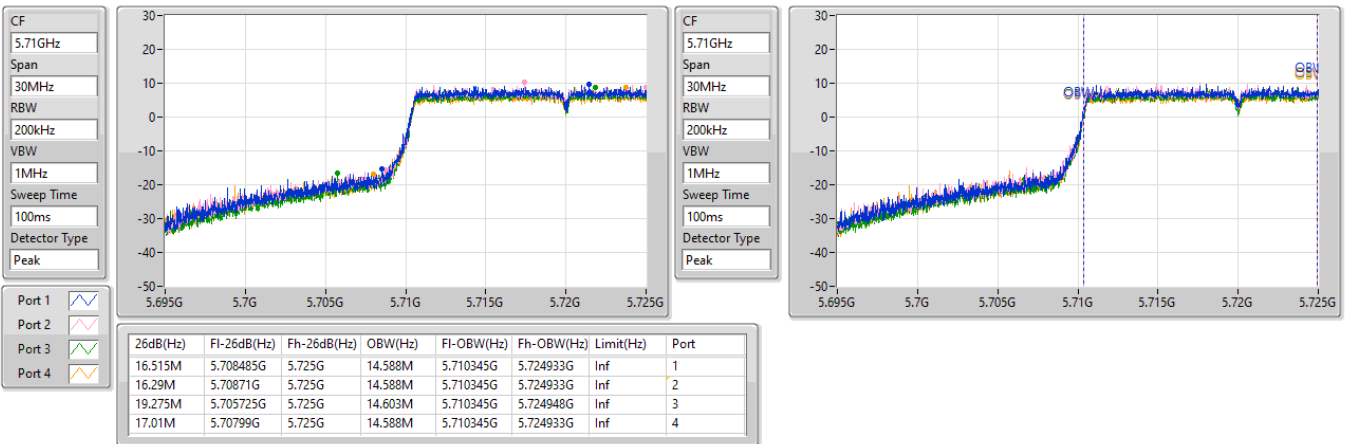


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/05/2023

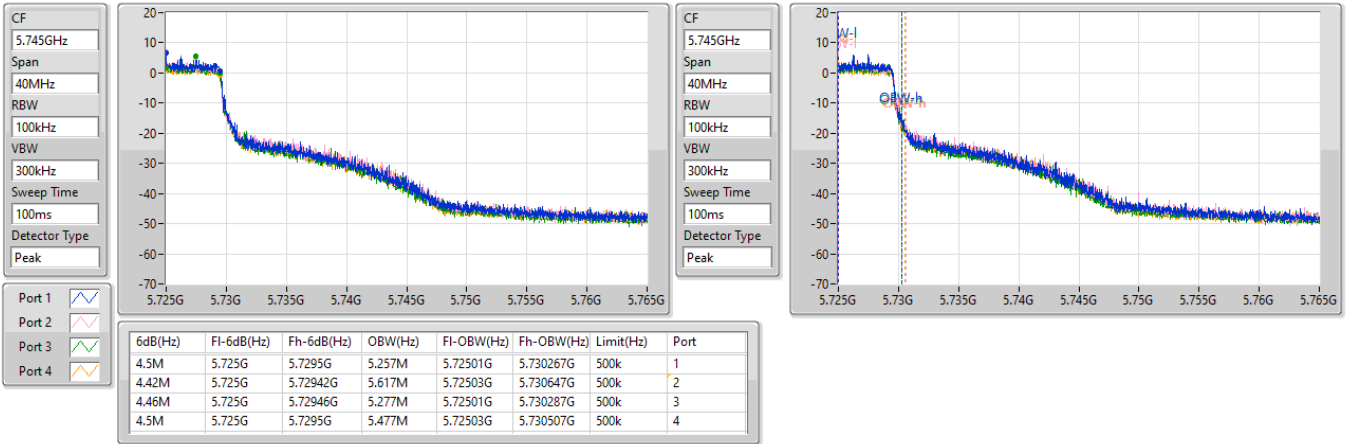


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/05/2023

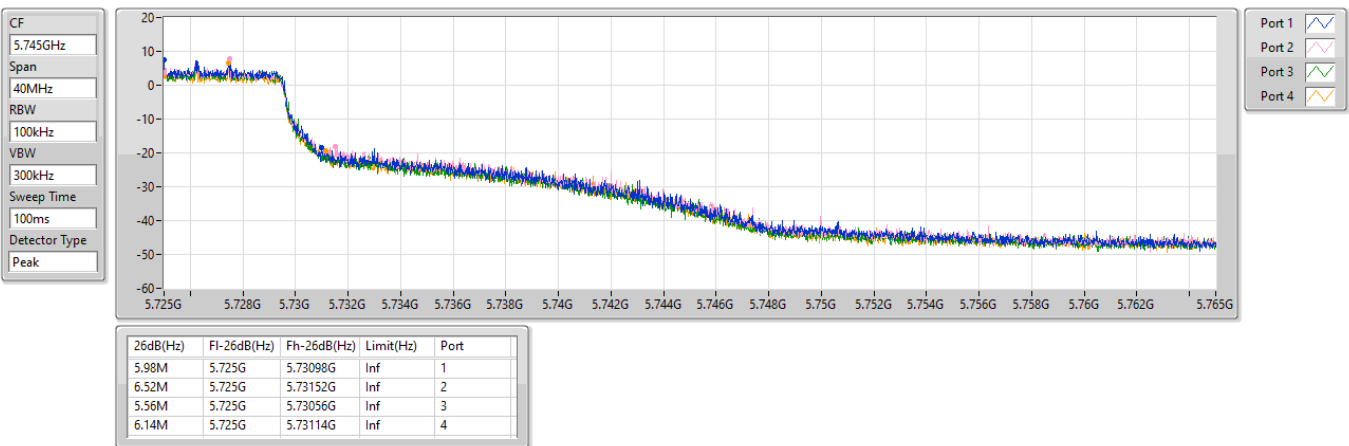


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/05/2023



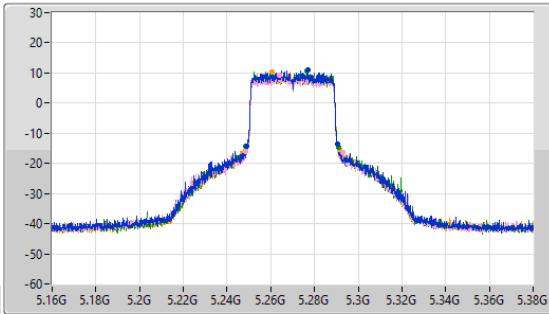
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

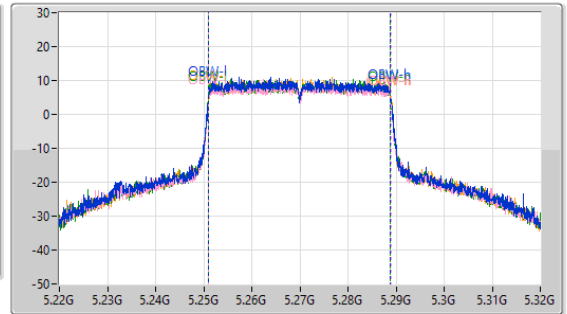
5270MHz

03/05/2023

CF
5.27GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.91M	5.24888G	5.29079G	37.831M	5.251059G	5.288891G	Inf	1
44.55M	5.24844G	5.29299G	37.931M	5.251009G	5.288941G	Inf	2
42.35M	5.24855G	5.2909G	37.881M	5.251009G	5.288891G	Inf	3
42.9M	5.24866G	5.29156G	37.831M	5.251059G	5.288891G	Inf	4

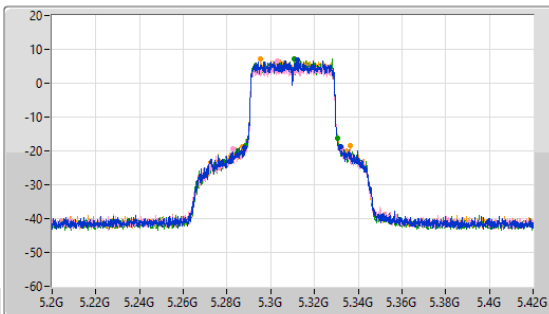
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

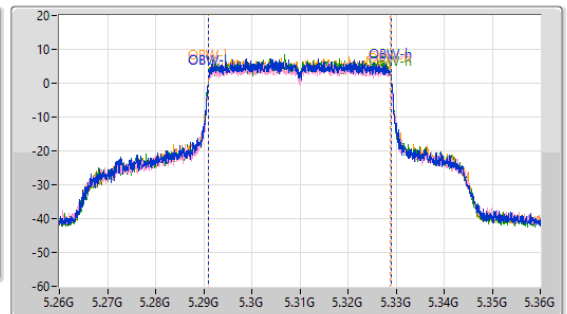
5310MHz

27/12/2022

CF
5.31GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



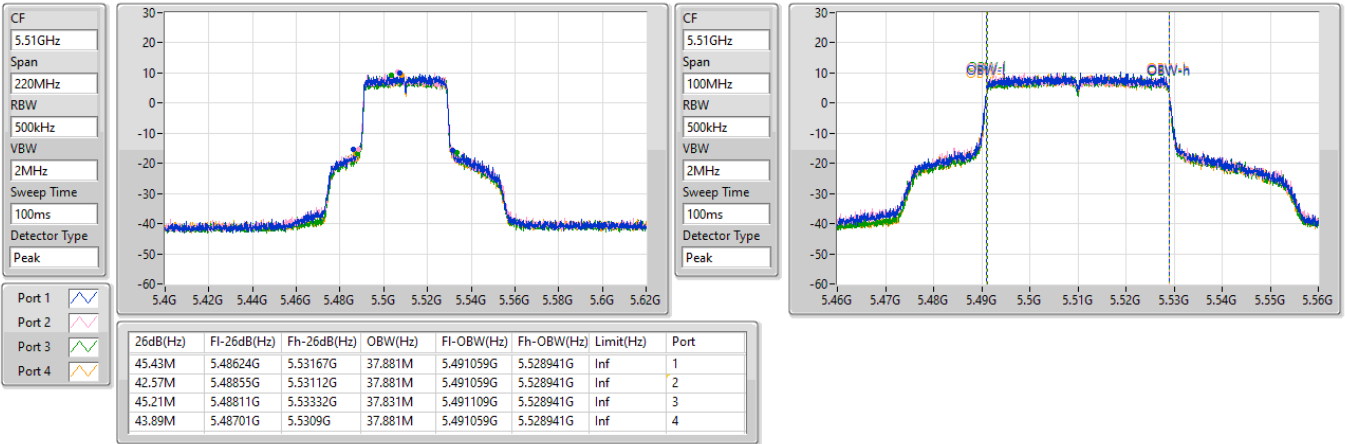
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.89M	5.288G	5.33189G	37.881M	5.291059G	5.328941G	Inf	1
49.83M	5.2825G	5.33233G	37.981M	5.291009G	5.328991G	Inf	2
42.24M	5.28855G	5.33079G	37.881M	5.291059G	5.328941G	Inf	3
49.39M	5.2869G	5.33629G	37.831M	5.291059G	5.328891G	Inf	4

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

03/05/2023

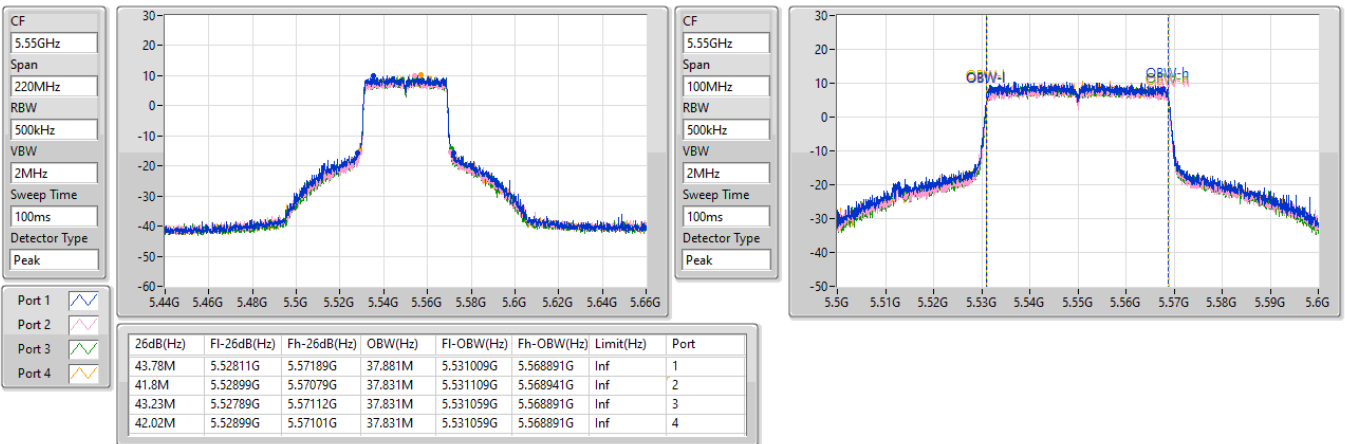


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

03/05/2023



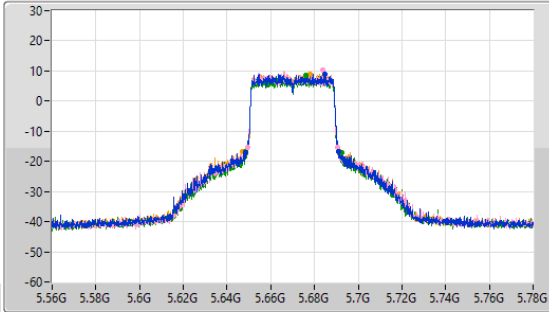
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

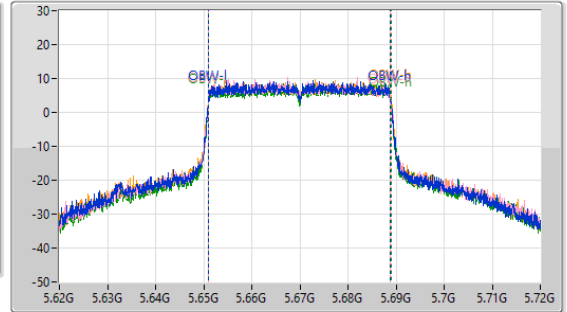
5670MHz

03/05/2023

CF
5.67GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.57M	5.64833G	5.6909G	37.831M	5.651059G	5.688891G	Inf	1
41.14M	5.64932G	5.69046G	37.831M	5.651059G	5.688891G	Inf	2
43.67M	5.64866G	5.69233G	37.881M	5.651059G	5.688941G	Inf	3
44M	5.64712G	5.69112G	37.931M	5.651009G	5.688941G	Inf	4

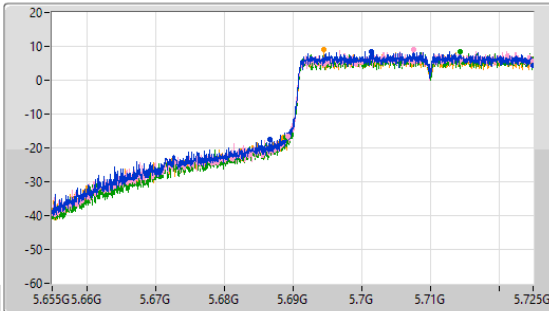
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

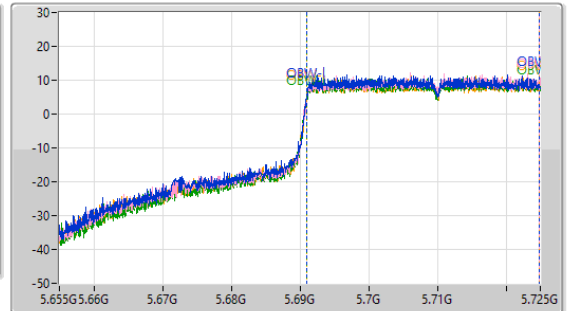
5710MHz Straddle 5.47-5.725GHz

03/05/2023

CF
5.69GHz
Span
70MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.69GHz
Span
70MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



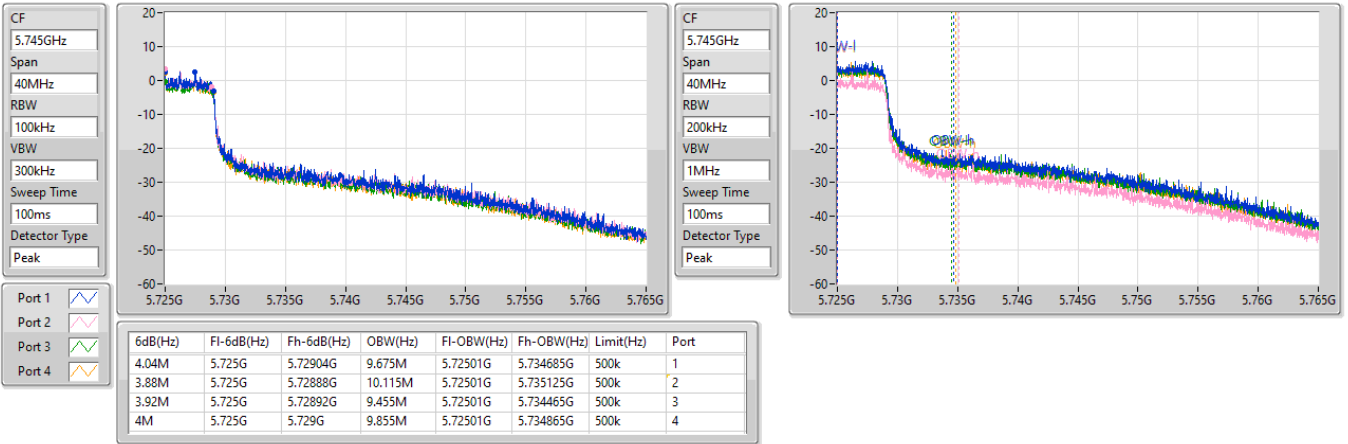
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.325M	5.686675G	5.725G	33.758M	5.691014G	5.724773G	Inf	1
35.735M	5.689265G	5.725G	33.793M	5.691049G	5.724843G	Inf	2
35.945M	5.689055G	5.725G	33.828M	5.691014G	5.724843G	Inf	3
36.26M	5.68874G	5.725G	33.758M	5.691049G	5.724808G	Inf	4

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/05/2023

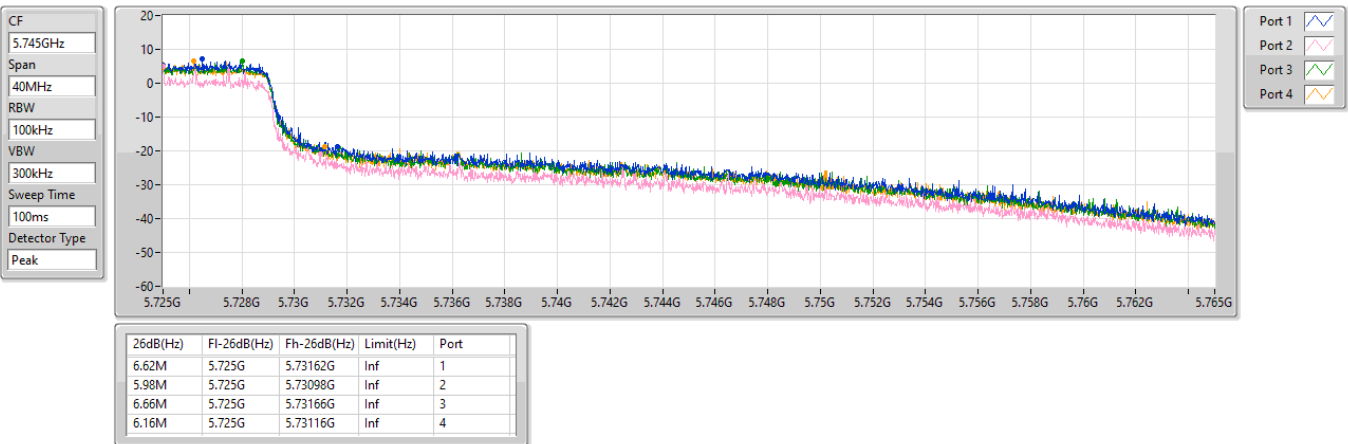


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/05/2023

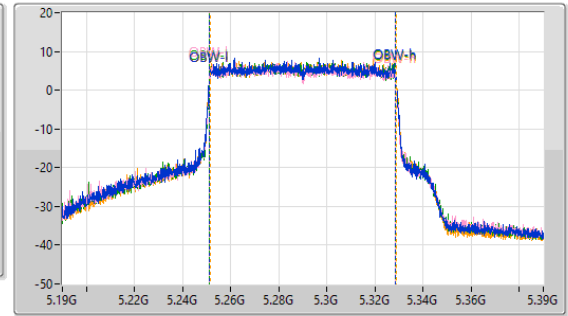
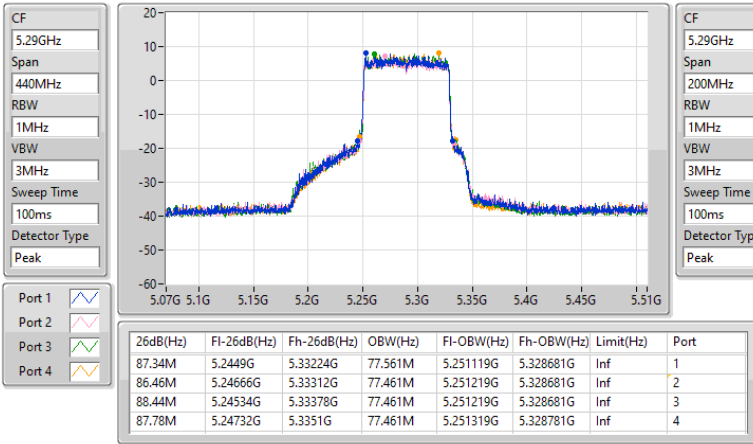


5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

27/12/2022

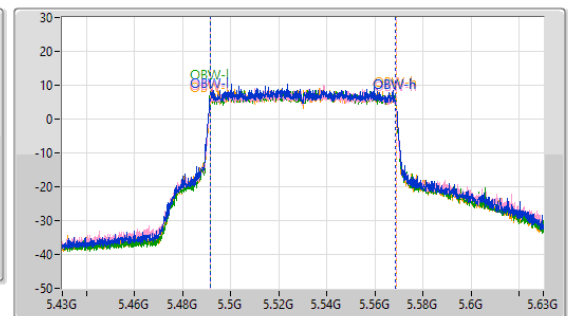
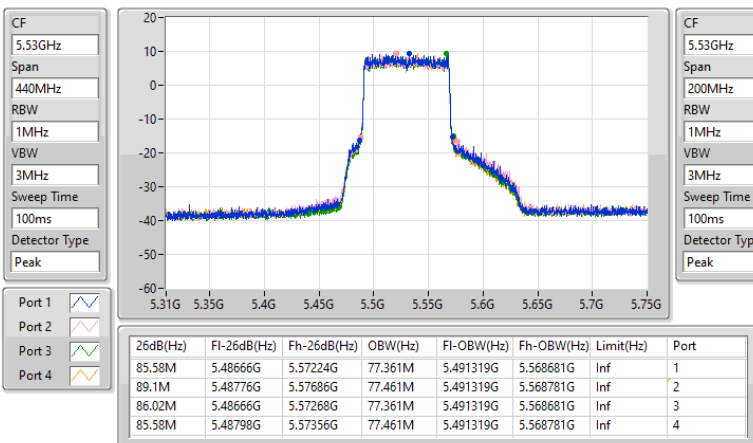


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

27/12/2022

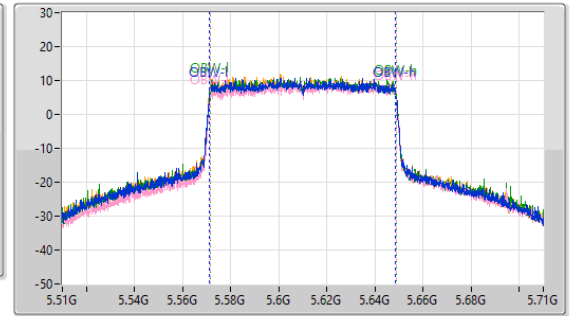
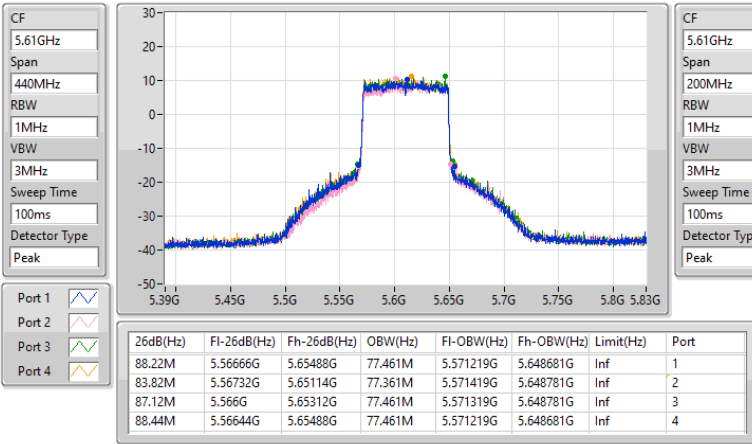


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

03/05/2023

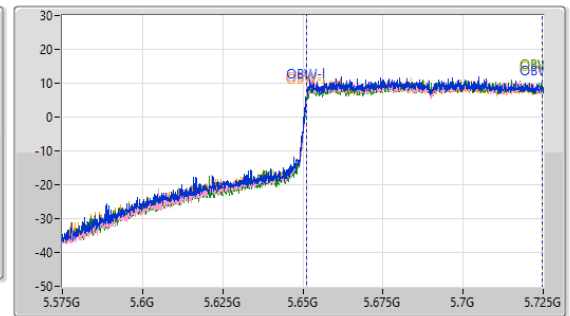
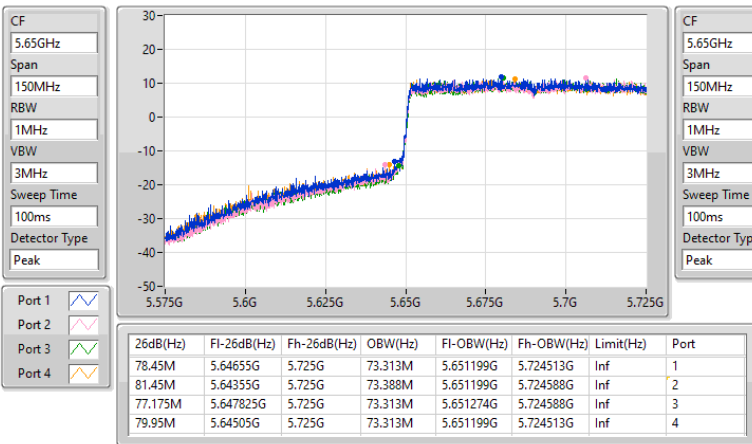


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

03/05/2023

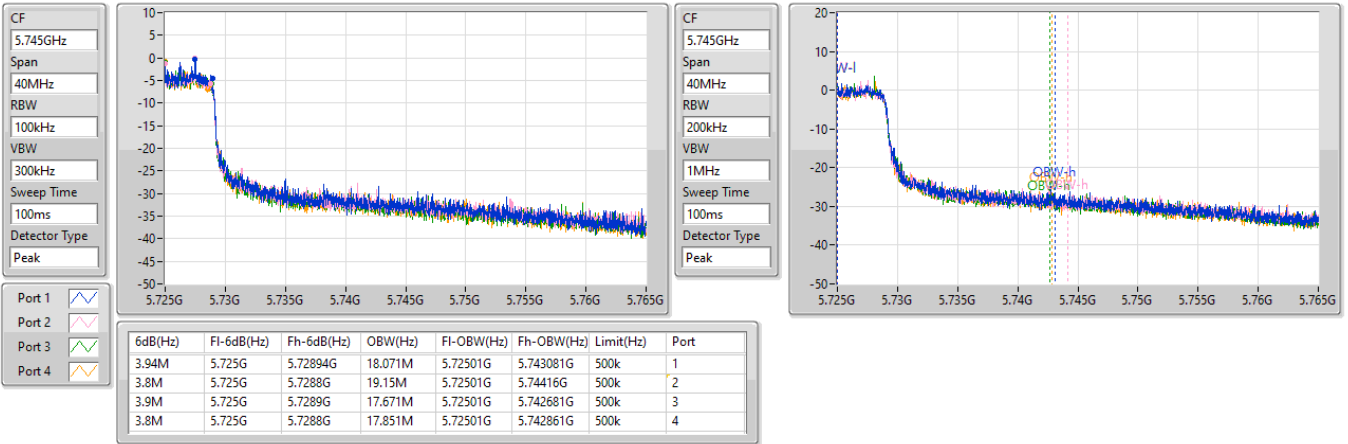


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/05/2023

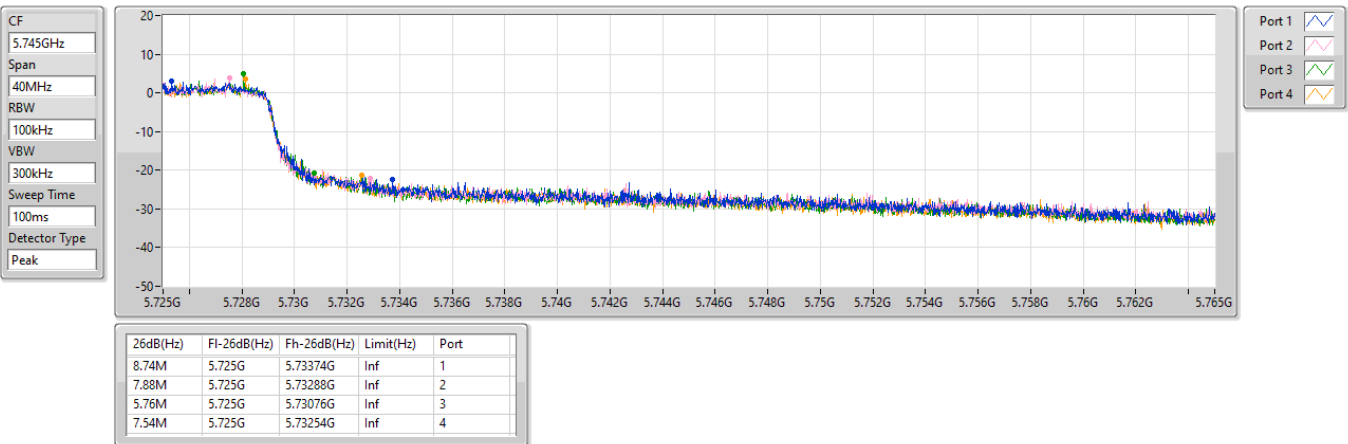


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/05/2023

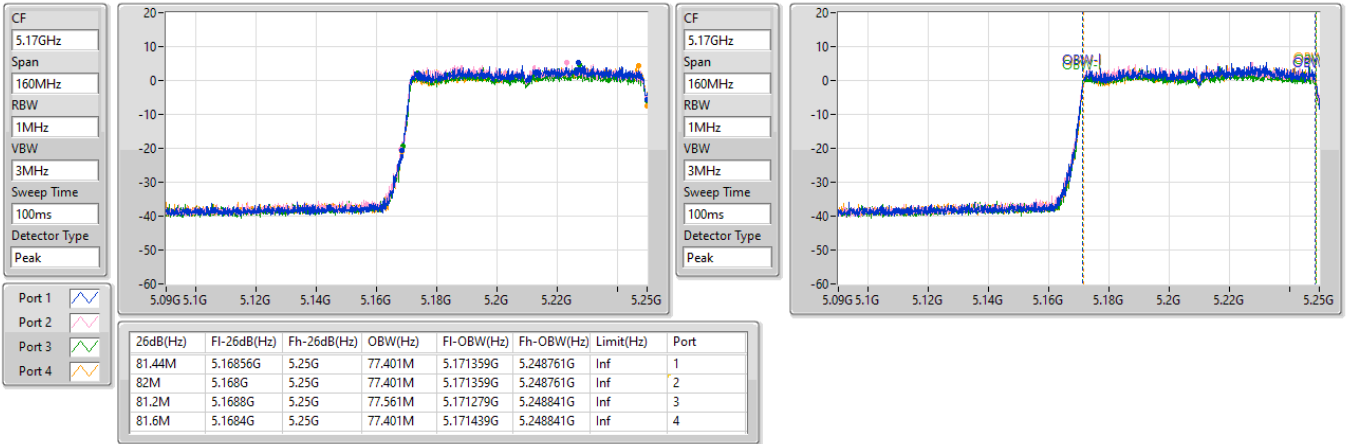


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

27/12/2022

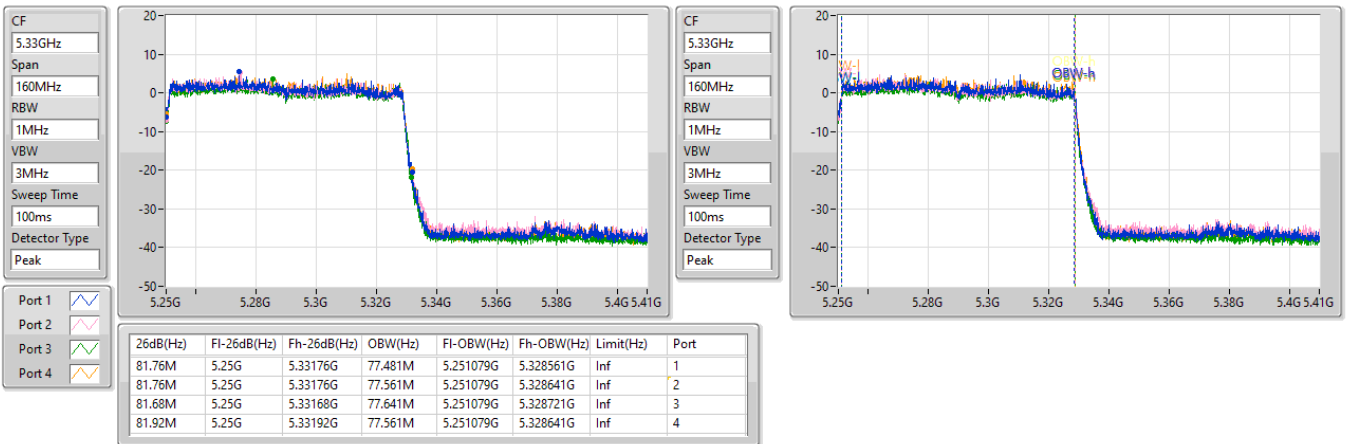


5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

27/12/2022

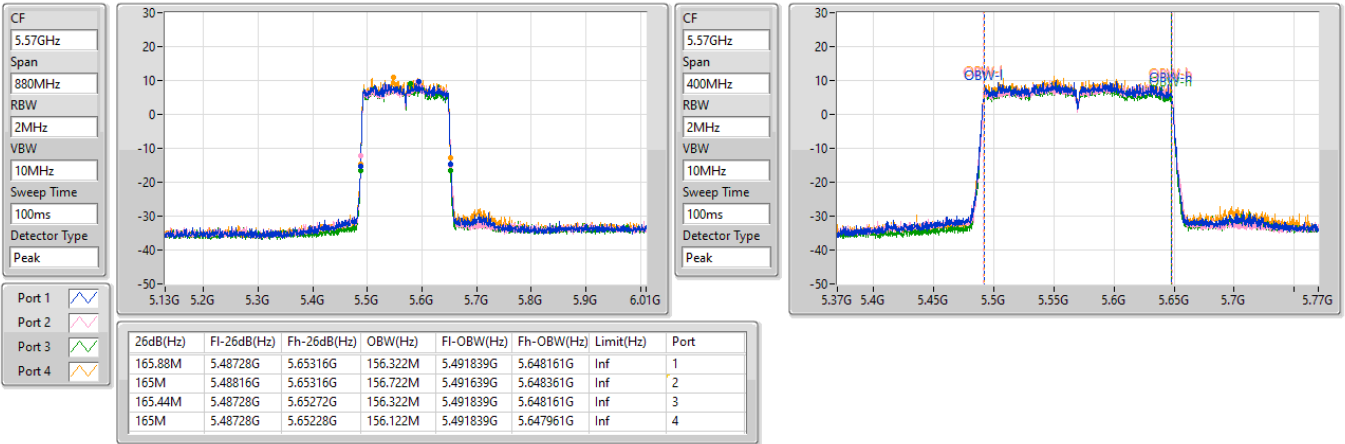


5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

27/12/2022

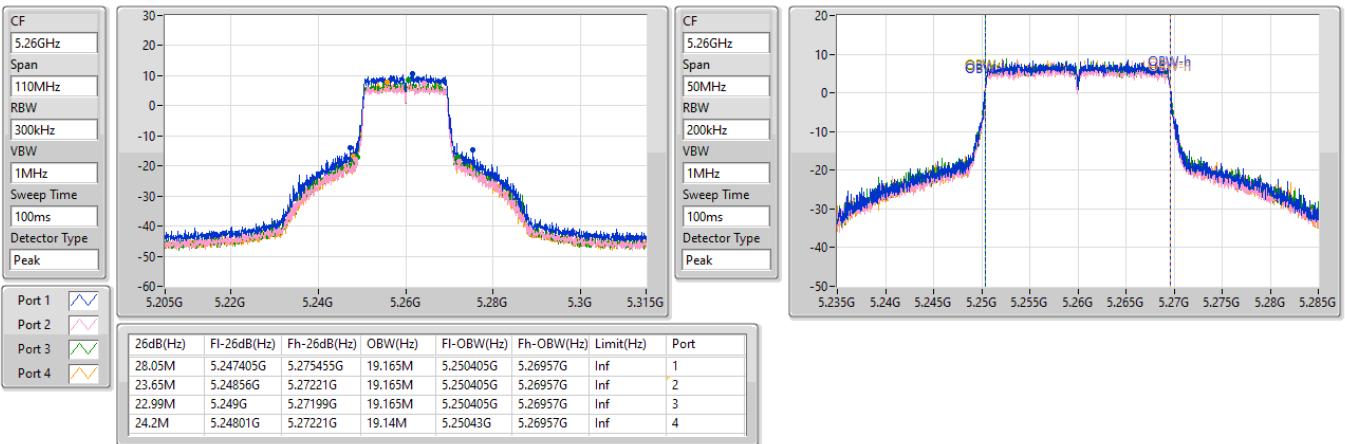


5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

03/05/2023

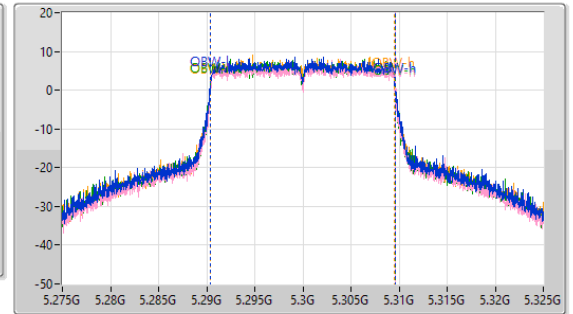
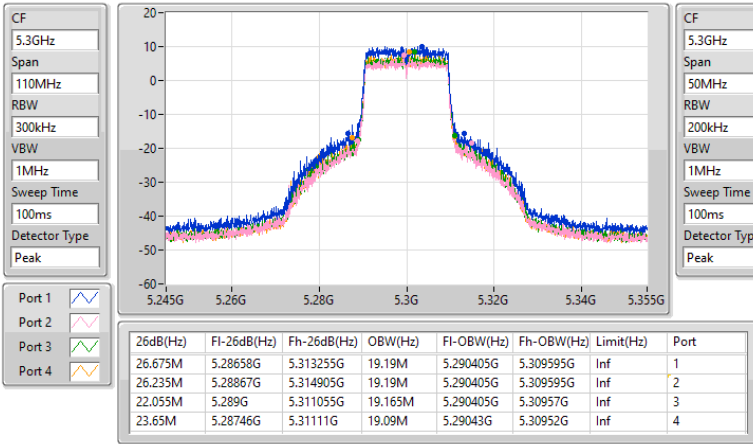


5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

03/05/2023

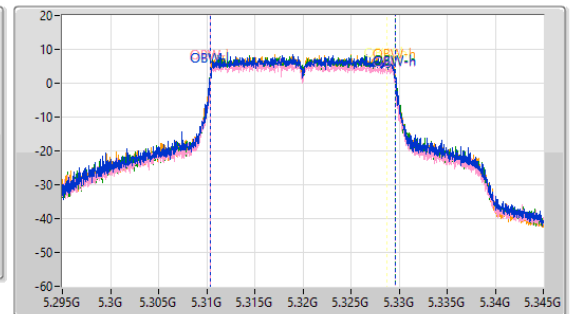
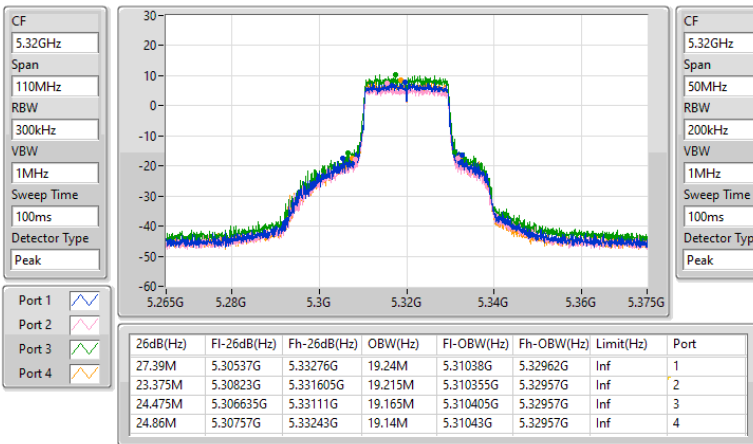


5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

03/05/2023

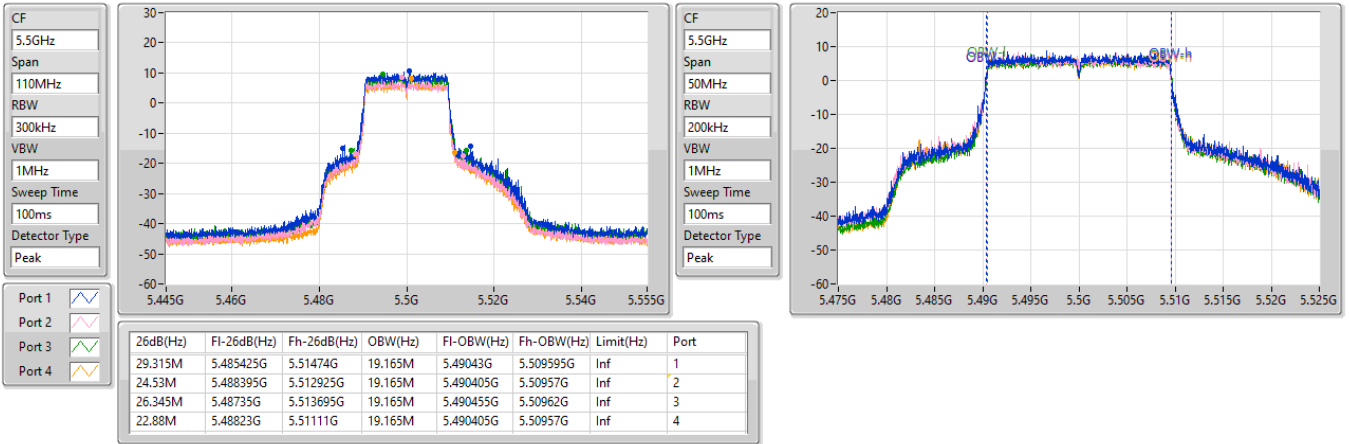


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

03/05/2023

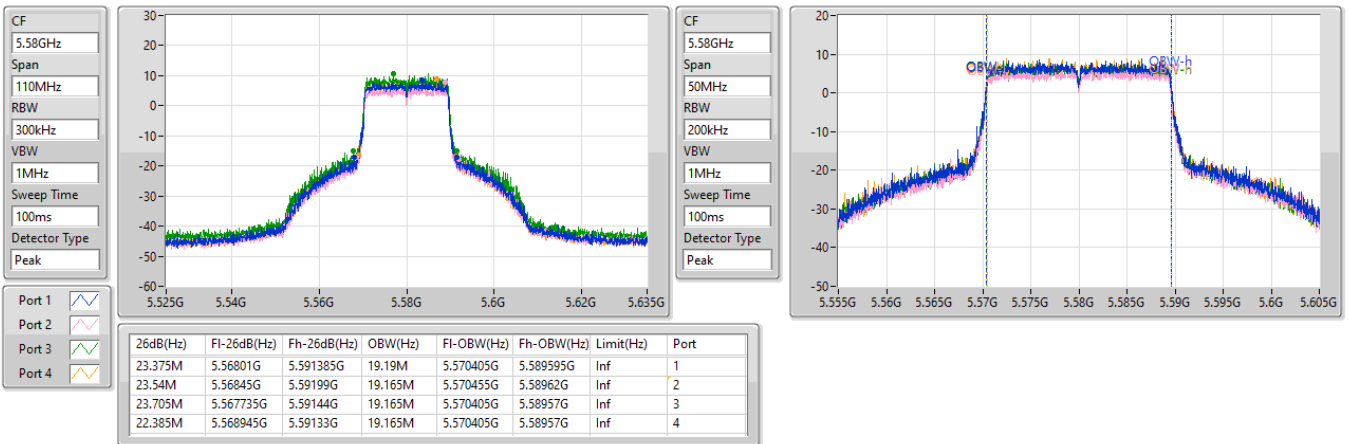


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

03/05/2023

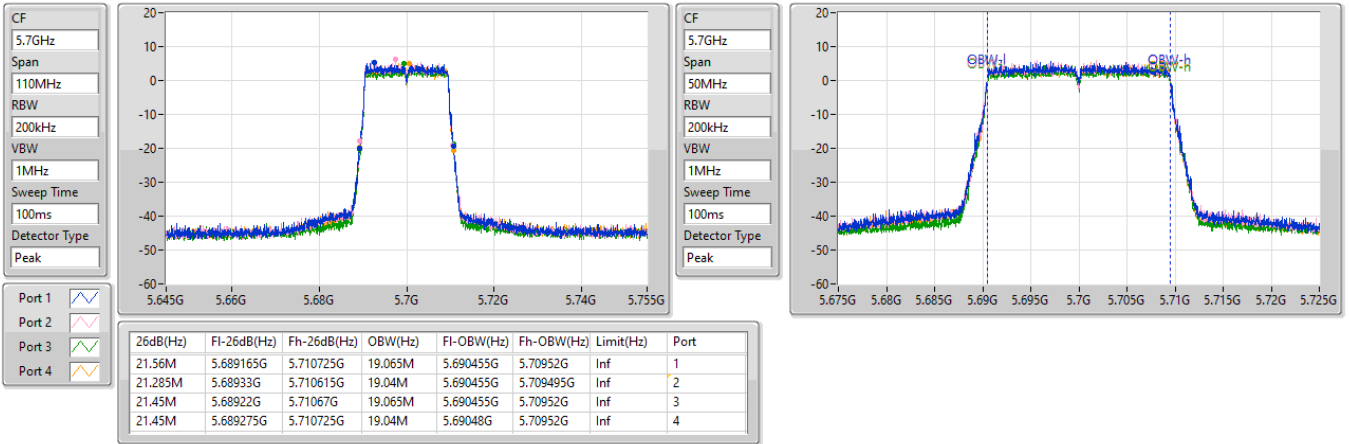


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

27/12/2022

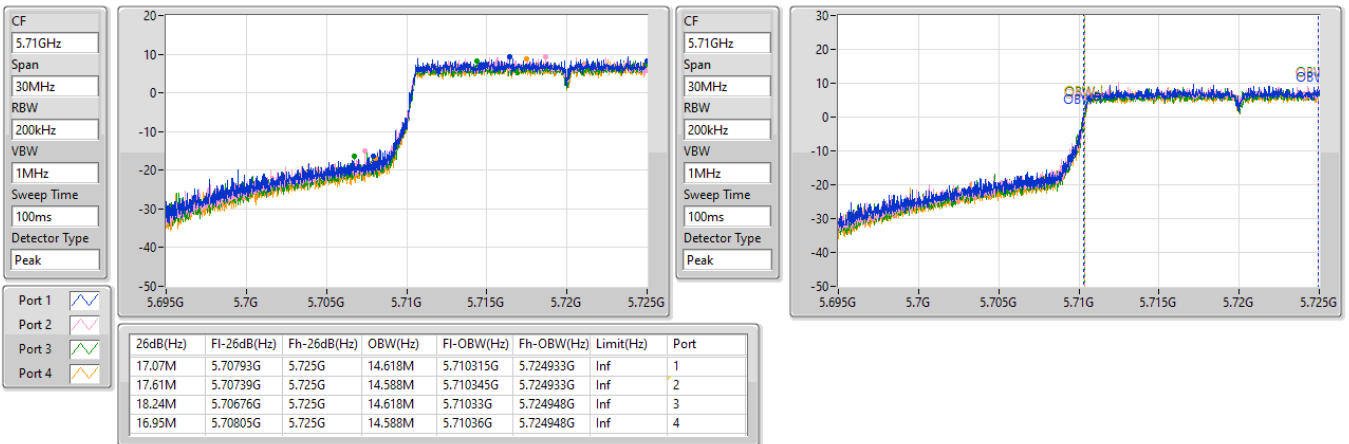


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/05/2023

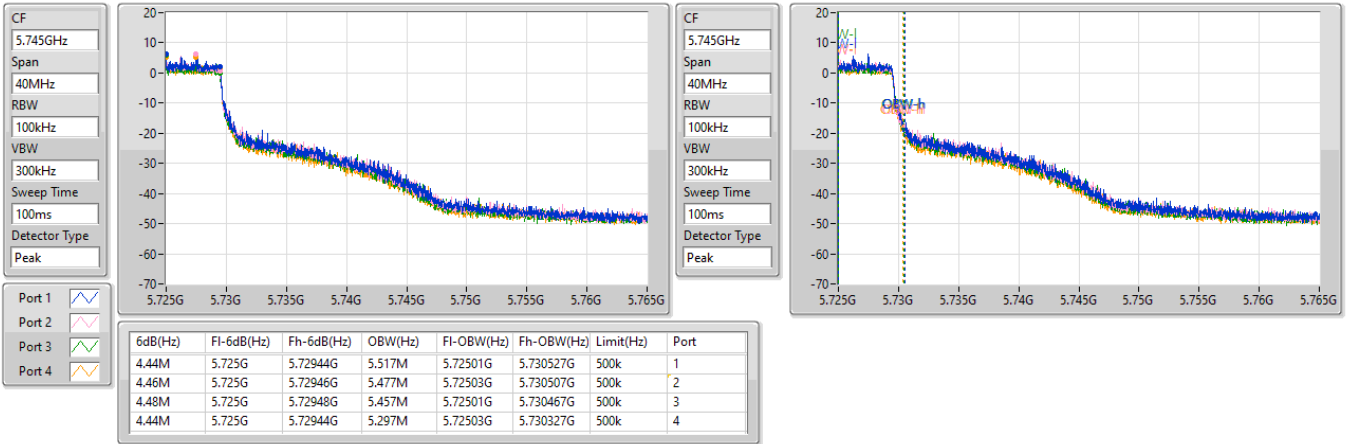


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/05/2023

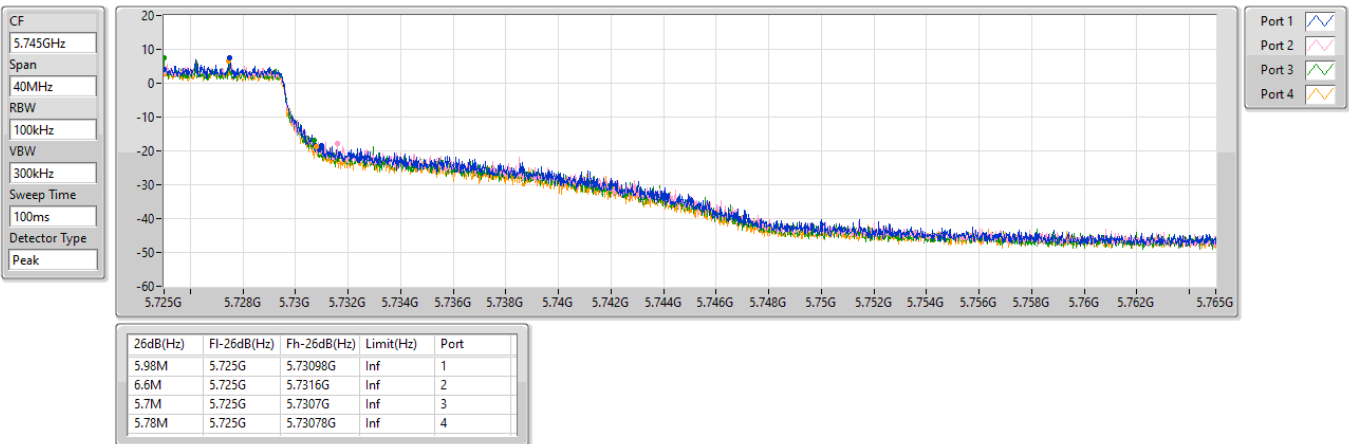


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/05/2023

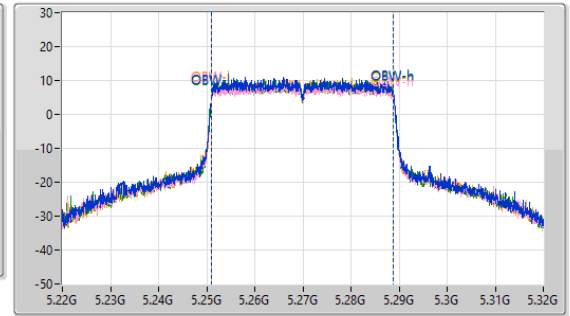
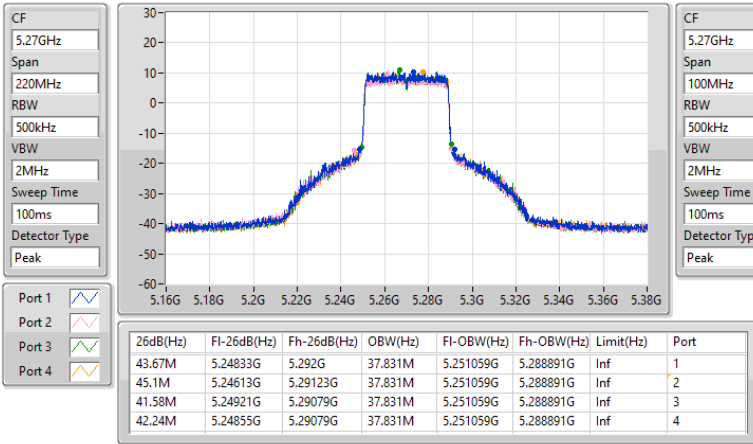


5.25-5.35GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

03/05/2023

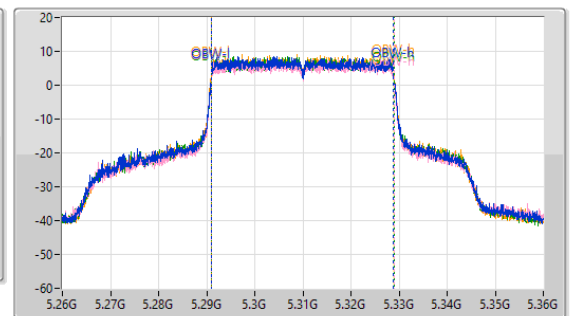
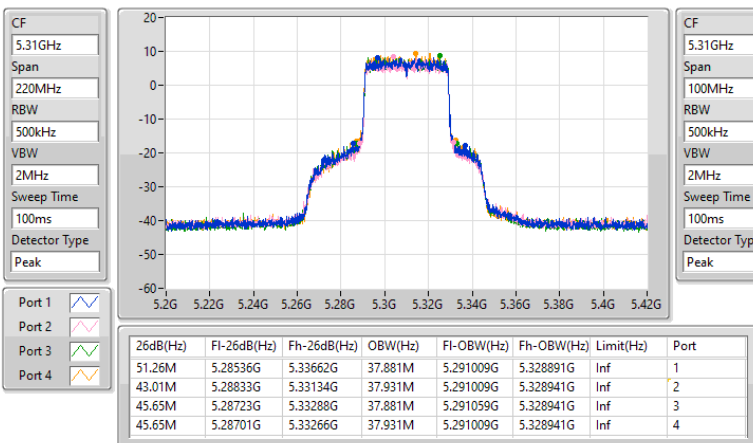


5.25-5.35GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

27/12/2022

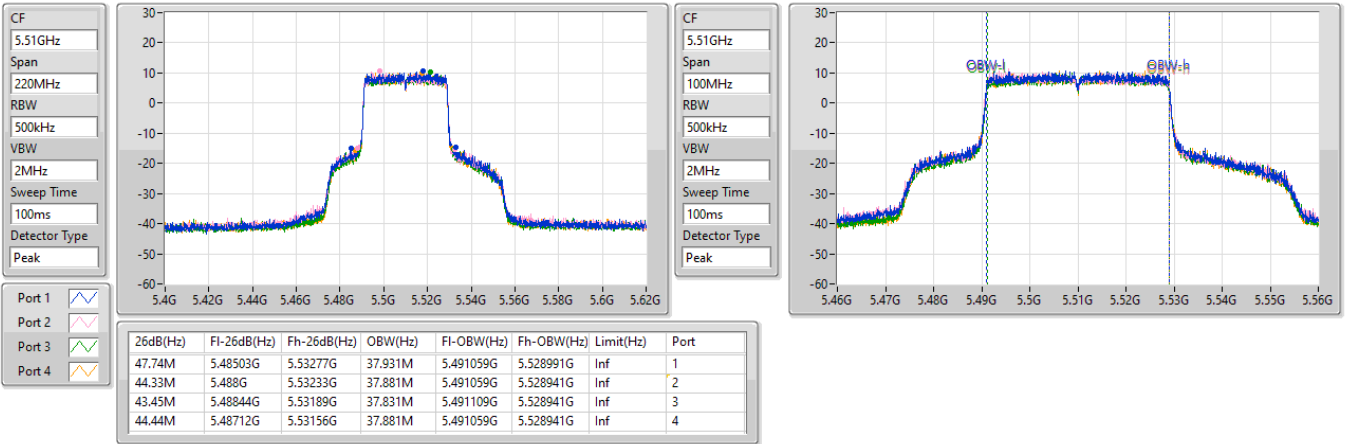


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

03/05/2023

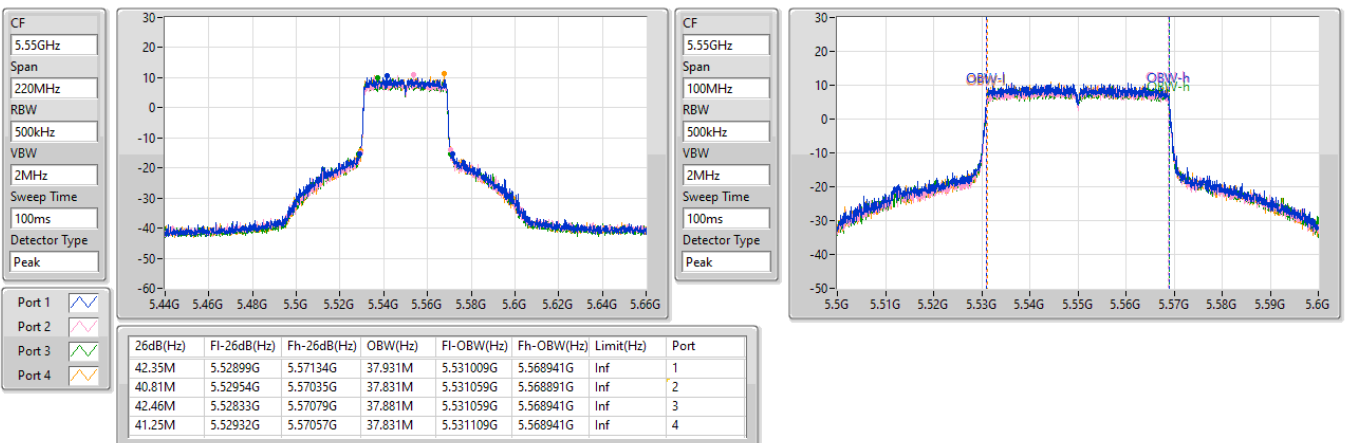


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

03/05/2023

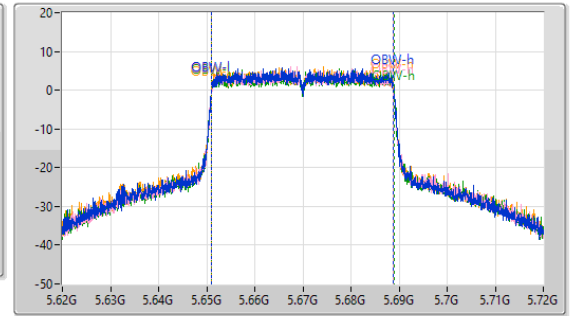
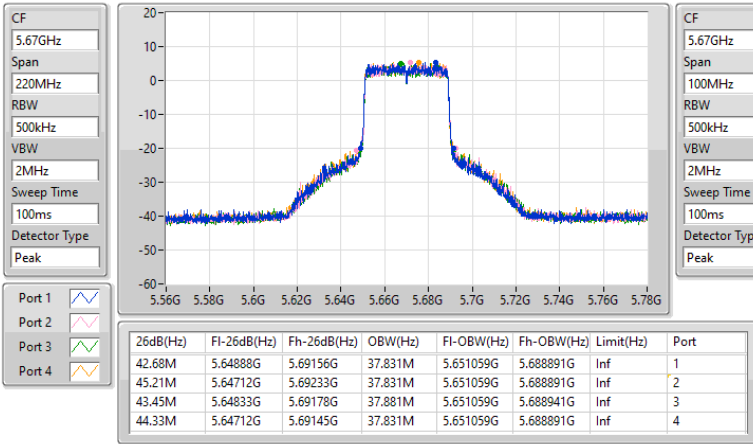


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

27/12/2022

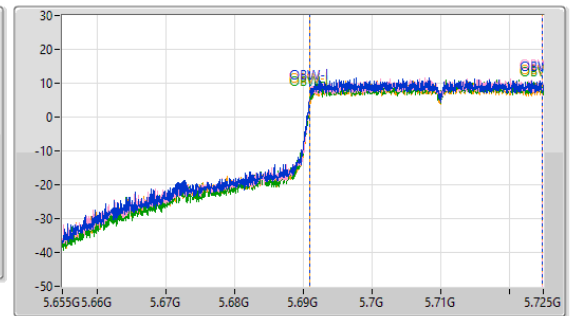
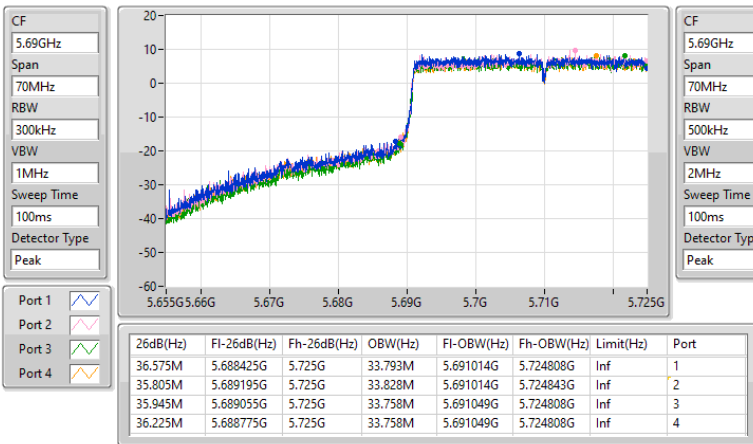


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/05/2023

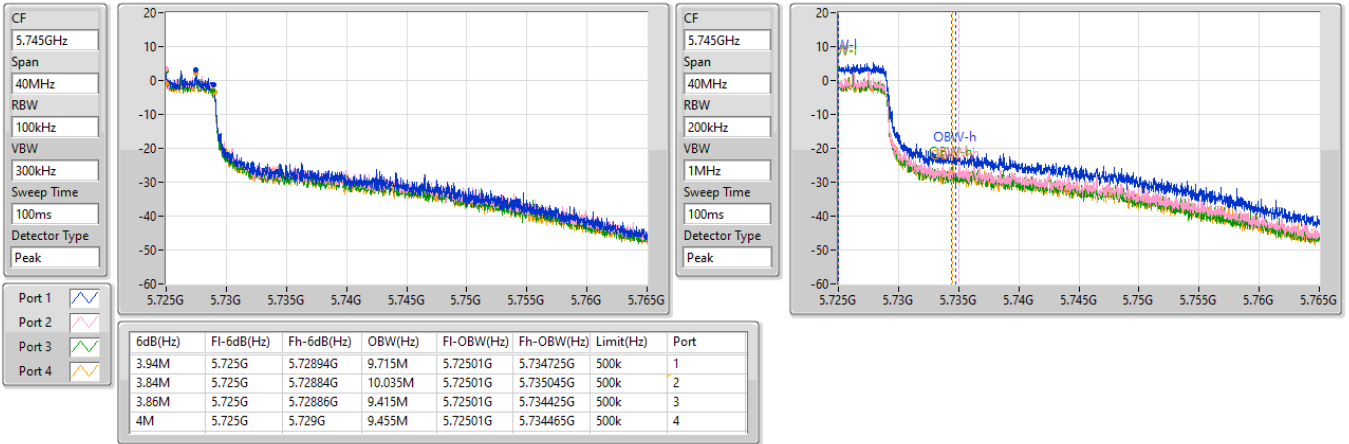


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/05/2023

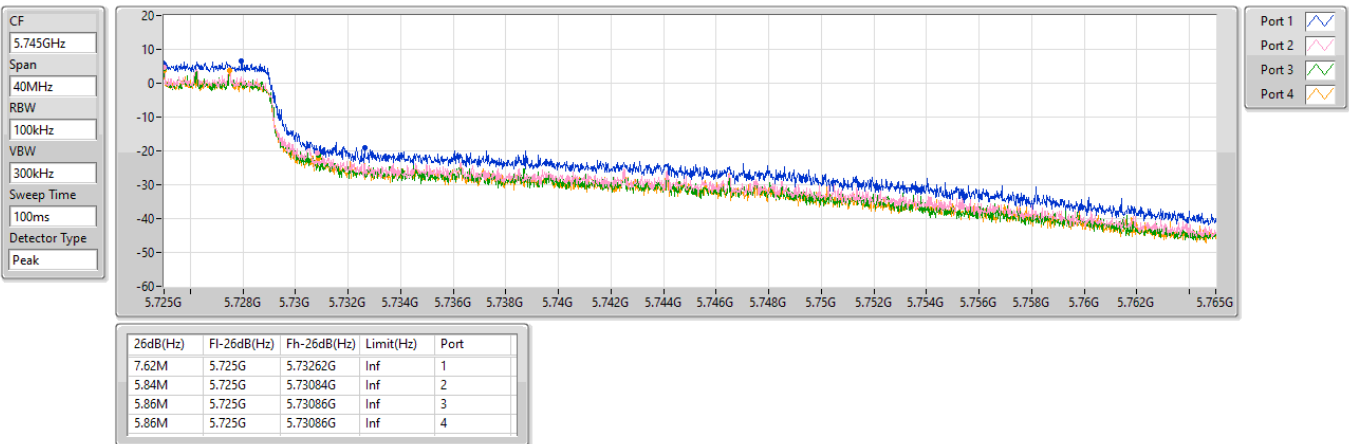


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/05/2023



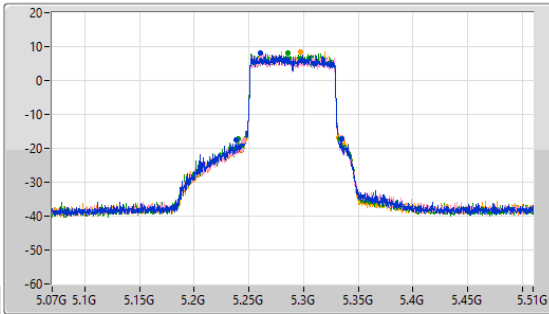
5.25-5.35GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

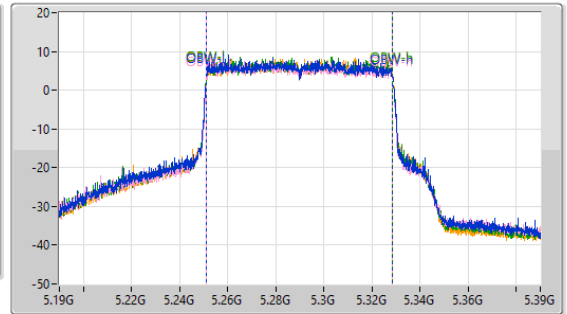
5290MHz

27/12/2022

CF
5.29GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.29GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
96.8M	5.2383G	5.3351G	77.561M	5.251119G	5.328681G	Inf	1
89.76M	5.24512G	5.33488G	77.461M	5.251219G	5.328681G	Inf	2
92.62M	5.24006G	5.33268G	77.461M	5.251219G	5.328681G	Inf	3
86.9M	5.24556G	5.33246G	77.461M	5.251219G	5.328681G	Inf	4

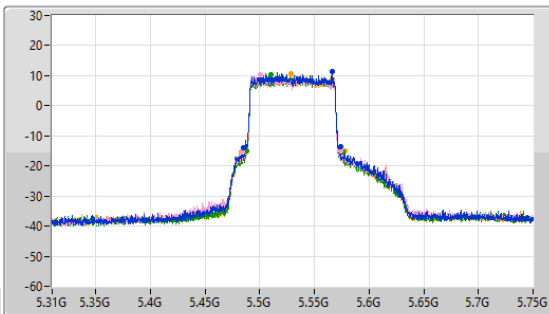
5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

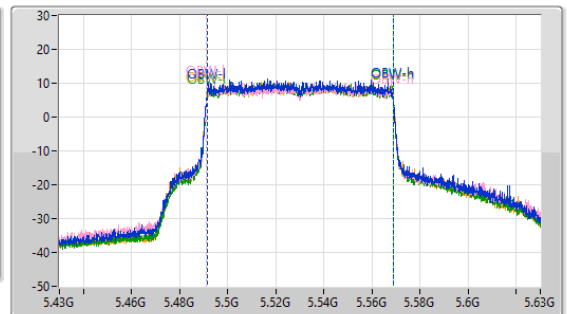
5530MHz

03/05/2023

CF
5.53GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

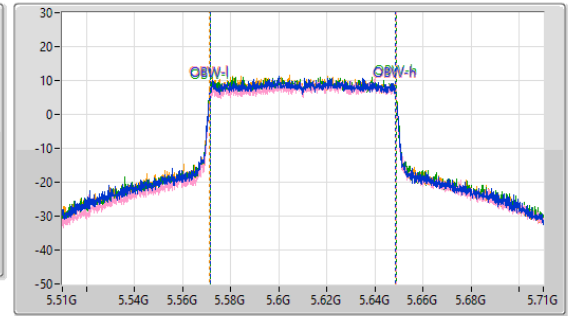
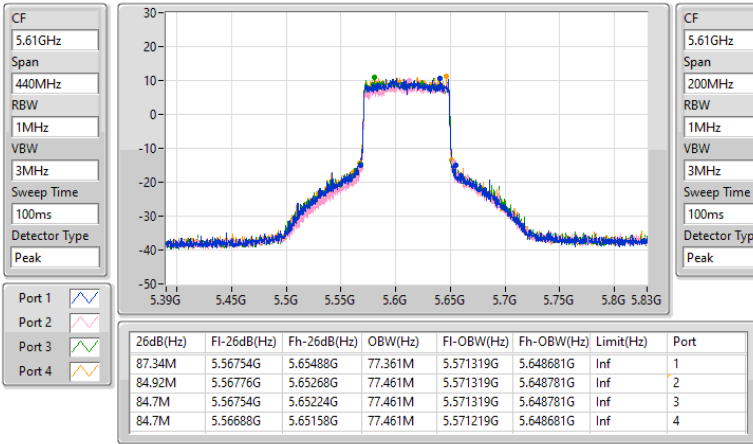
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
88.44M	5.48512G	5.57356G	77.461M	5.491319G	5.568781G	Inf	1
90.64M	5.4838G	5.57444G	77.561M	5.491219G	5.568781G	Inf	2
88.66M	5.48754G	5.5762G	77.461M	5.491319G	5.568781G	Inf	3
94.16M	5.48358G	5.57774G	77.561M	5.491219G	5.568781G	Inf	4

5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

03/05/2023

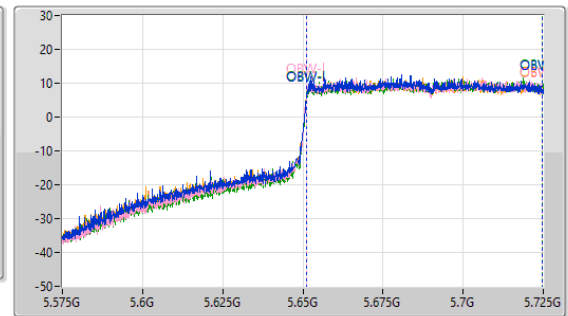
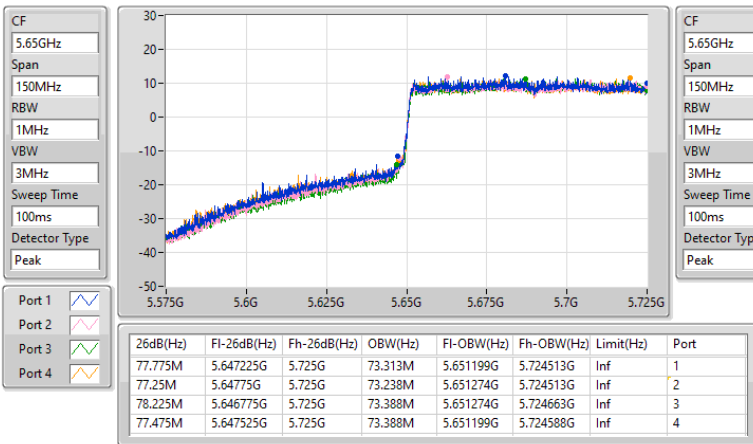


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

03/05/2023

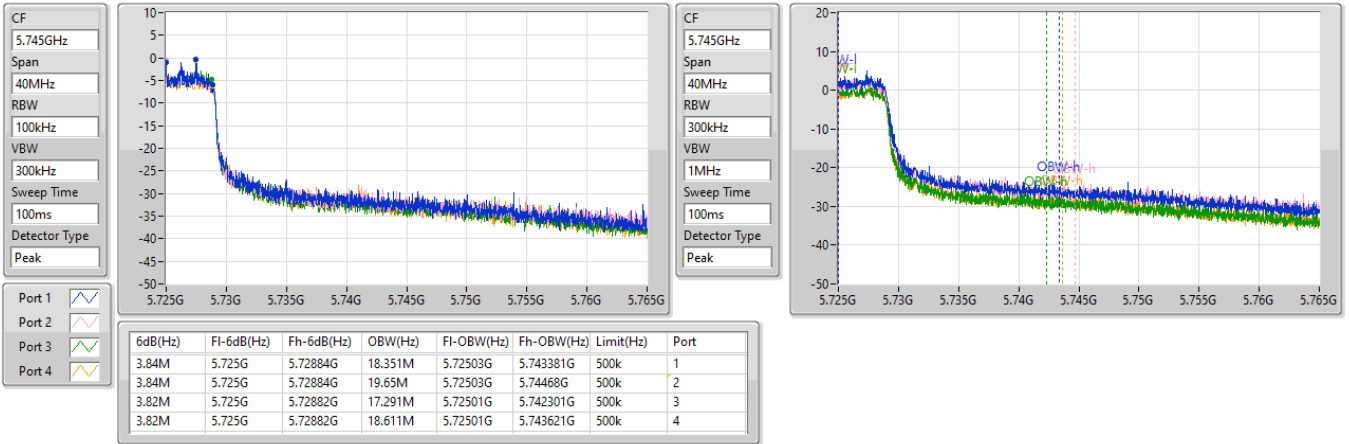


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/05/2023

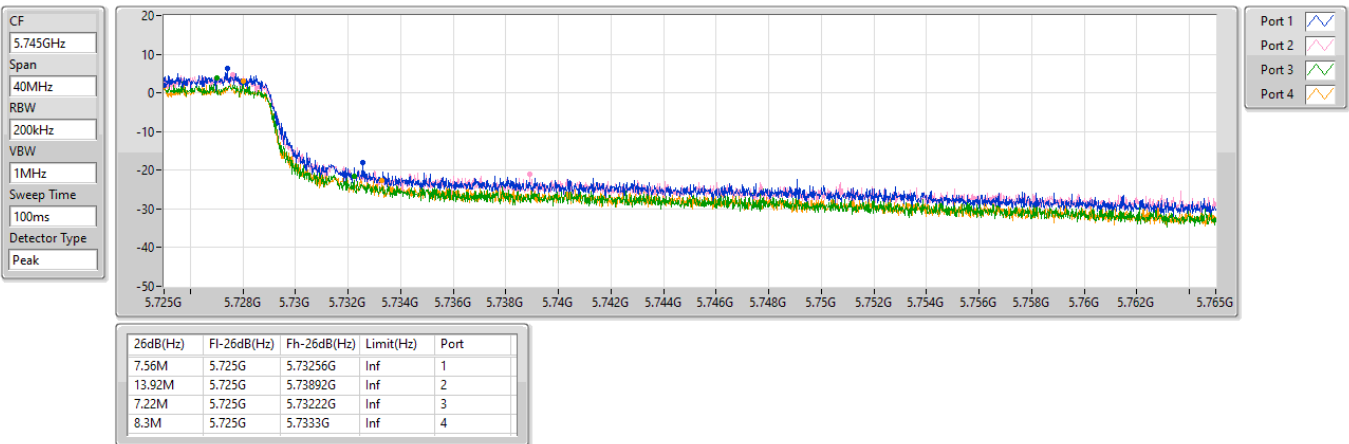


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/05/2023

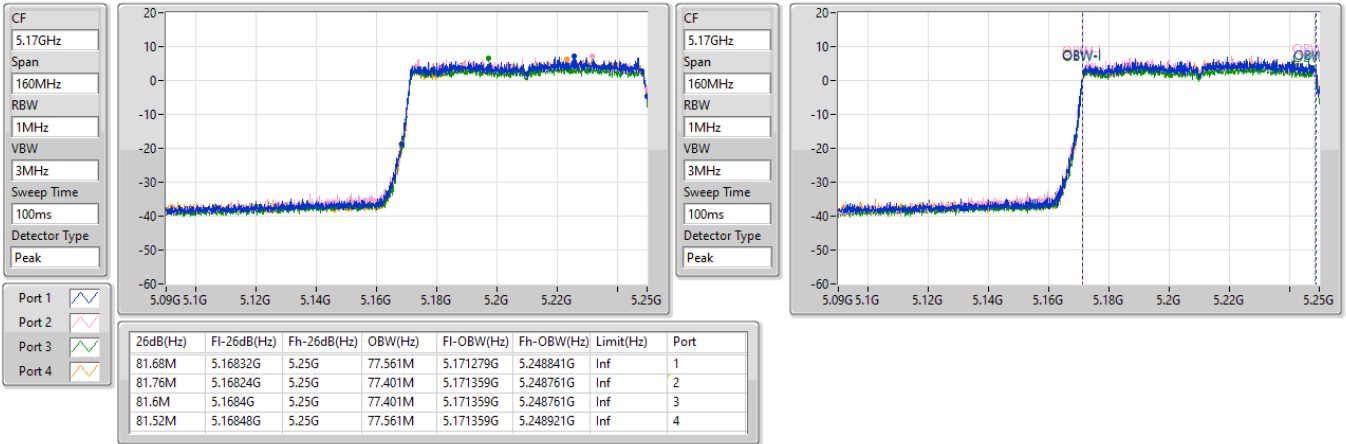


5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

27/12/2022

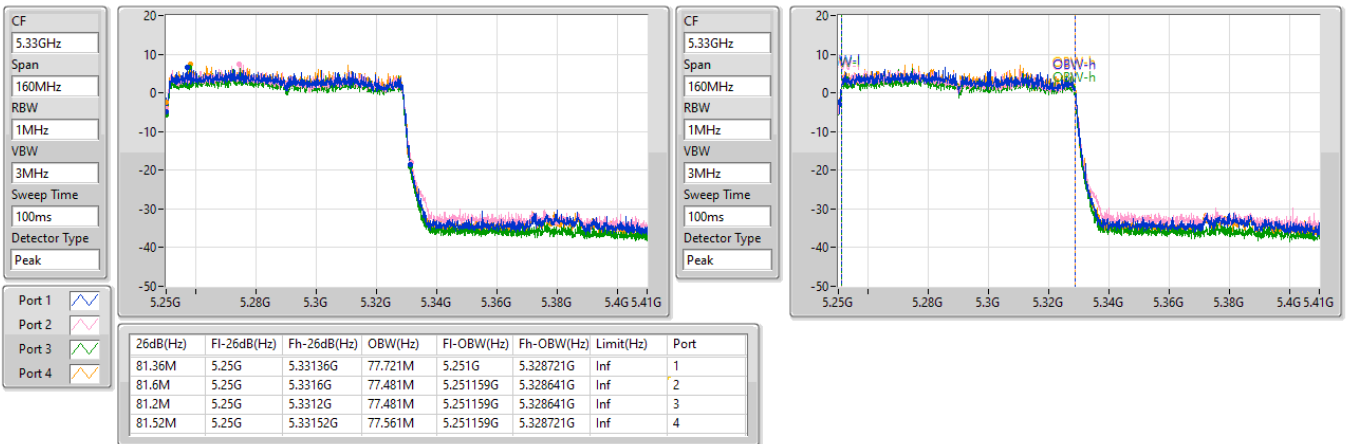


5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

27/12/2022

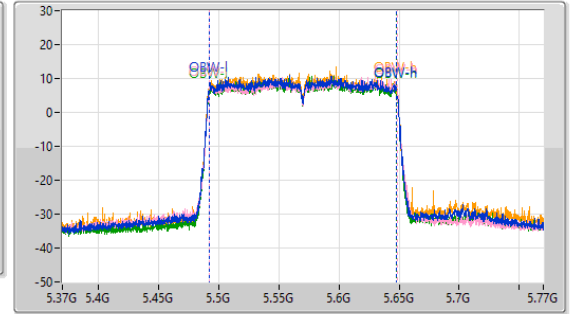
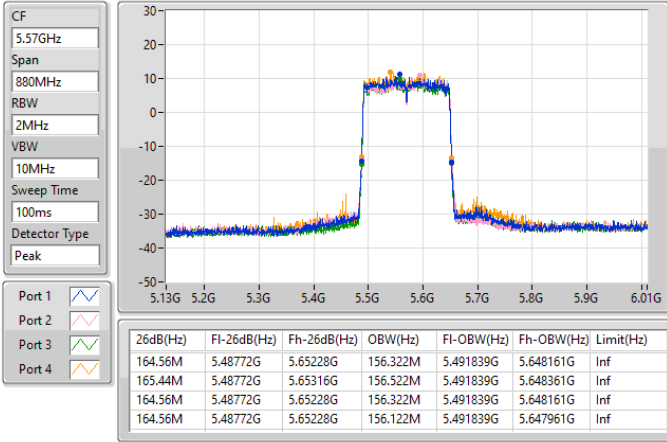


5.47-5.725GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

03/05/2023





Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	17.00	0.05012
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	18.59	0.07228
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.84	0.24210
802.11ax HEW20_Nss1,(MCS0)_4TX	23.94	0.24774
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.94	0.24774
802.11ax HEW40_Nss1,(MCS0)_4TX	23.74	0.23659
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.74	0.23659
802.11ax HEW80_Nss1,(MCS0)_4TX	21.09	0.12853
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.66	0.14655
802.11ax HEW160_Nss1,(MCS0)_4TX	16.55	0.04519
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	18.16	0.06546
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.96	0.24889
802.11ax HEW20_Nss1,(MCS0)_4TX	23.87	0.24378
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.87	0.24378
802.11ax HEW40_Nss1,(MCS0)_4TX	23.83	0.24155
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.91	0.24604
802.11ax HEW80_Nss1,(MCS0)_4TX	23.87	0.24378
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.86	0.24322
802.11ax HEW160_Nss1,(MCS0)_4TX	22.37	0.17258
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	23.17	0.20749
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	16.62	0.04592
802.11ax HEW20_Nss1,(MCS0)_4TX	17.61	0.05768
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.71	0.05902
802.11ax HEW40_Nss1,(MCS0)_4TX	14.05	0.02541
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	14.17	0.02612
802.11ax HEW80_Nss1,(MCS0)_4TX	10.63	0.01156
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	10.40	0.01096



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	3.97	18.12	17.32	17.75	17.99	23.83	23.98
5300MHz	Pass	3.97	17.97	17.18	17.84	18.22	23.84	23.98
5320MHz	Pass	3.97	17.92	16.85	17.93	18.26	23.79	23.98
5500MHz	Pass	4.25	18.41	18.07	17.10	18.05	23.95	23.98
5580MHz	Pass	4.25	18.31	17.01	17.83	18.47	23.96	23.98
5700MHz	Pass	4.25	16.67	16.65	15.76	15.79	22.26	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.25	17.45	17.40	16.69	16.44	23.04	23.05
5720MHz Straddle 5.725-5.85GHz	Pass	4.33	11.09	10.89	10.30	10.05	16.62	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	3.97	18.01	17.51	17.90	17.87	23.85	23.98
5300MHz	Pass	3.97	17.90	17.19	17.74	18.16	23.78	23.98
5320MHz	Pass	3.97	18.09	17.01	18.01	18.43	23.94	23.98
5500MHz	Pass	4.25	18.16	17.88	17.16	17.61	23.74	23.98
5580MHz	Pass	4.25	18.35	16.84	17.72	18.31	23.87	23.98
5700MHz	Pass	4.25	16.05	16.07	15.00	15.54	21.71	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.25	17.37	17.56	16.76	16.40	23.07	23.12
5720MHz Straddle 5.725-5.85GHz	Pass	4.33	11.98	12.07	11.27	10.91	17.61	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	3.97	17.91	17.06	17.81	18.04	23.74	23.98
5310MHz	Pass	3.97	15.02	14.14	14.83	15.23	20.84	23.98
5510MHz	Pass	4.25	17.39	17.10	16.71	16.93	23.06	23.98
5550MHz	Pass	4.25	18.29	17.41	17.59	17.84	23.82	23.98
5670MHz	Pass	4.25	16.95	16.94	16.43	17.00	22.86	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.25	18.18	18.13	17.47	17.40	23.83	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.33	8.32	8.45	7.73	7.56	14.05	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	3.97	15.24	14.76	15.08	15.20	21.09	23.98
5530MHz	Pass	4.25	16.97	16.32	16.34	16.45	22.55	23.98
5610MHz	Pass	4.25	17.89	17.20	17.92	18.20	23.84	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.25	18.25	17.73	17.71	17.69	23.87	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.33	4.76	4.64	4.63	4.41	10.63	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.70	11.30	11.40	10.40	10.73	17.00	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.97	10.75	10.55	9.91	10.85	16.55	23.98
5570MHz	Pass	4.25	16.42	16.13	15.66	17.05	22.37	23.98
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.11	18.01	17.51	17.90	17.87	23.85	23.98
5300MHz	Pass	4.11	17.90	17.19	17.74	18.16	23.78	23.98
5320MHz	Pass	4.11	18.09	17.01	18.01	18.43	23.94	23.98
5500MHz	Pass	4.39	18.16	17.88	17.16	17.61	23.74	23.98
5580MHz	Pass	4.39	18.35	16.84	17.72	18.31	23.87	23.98
5700MHz	Pass	4.39	15.57	15.52	14.63	14.97	21.21	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.39	17.40	17.53	16.78	16.57	23.11	23.29
5720MHz Straddle 5.725-5.85GHz	Pass	4.64	12.07	12.08	11.38	11.15	17.71	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.11	17.91	17.06	17.81	18.04	23.74	23.98
5310MHz	Pass	4.11	16.88	15.95	16.75	17.10	22.71	23.98
5510MHz	Pass	4.39	18.13	17.93	17.51	17.56	23.81	23.98
5550MHz	Pass	4.39	18.29	17.41	17.59	17.84	23.82	23.98
5670MHz	Pass	4.39	13.53	13.45	13.06	13.44	19.39	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.39	18.29	18.19	17.55	17.46	23.91	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.64	8.47	8.55	7.83	7.67	14.17	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	4.11	15.76	15.30	15.77	15.73	21.66	23.98

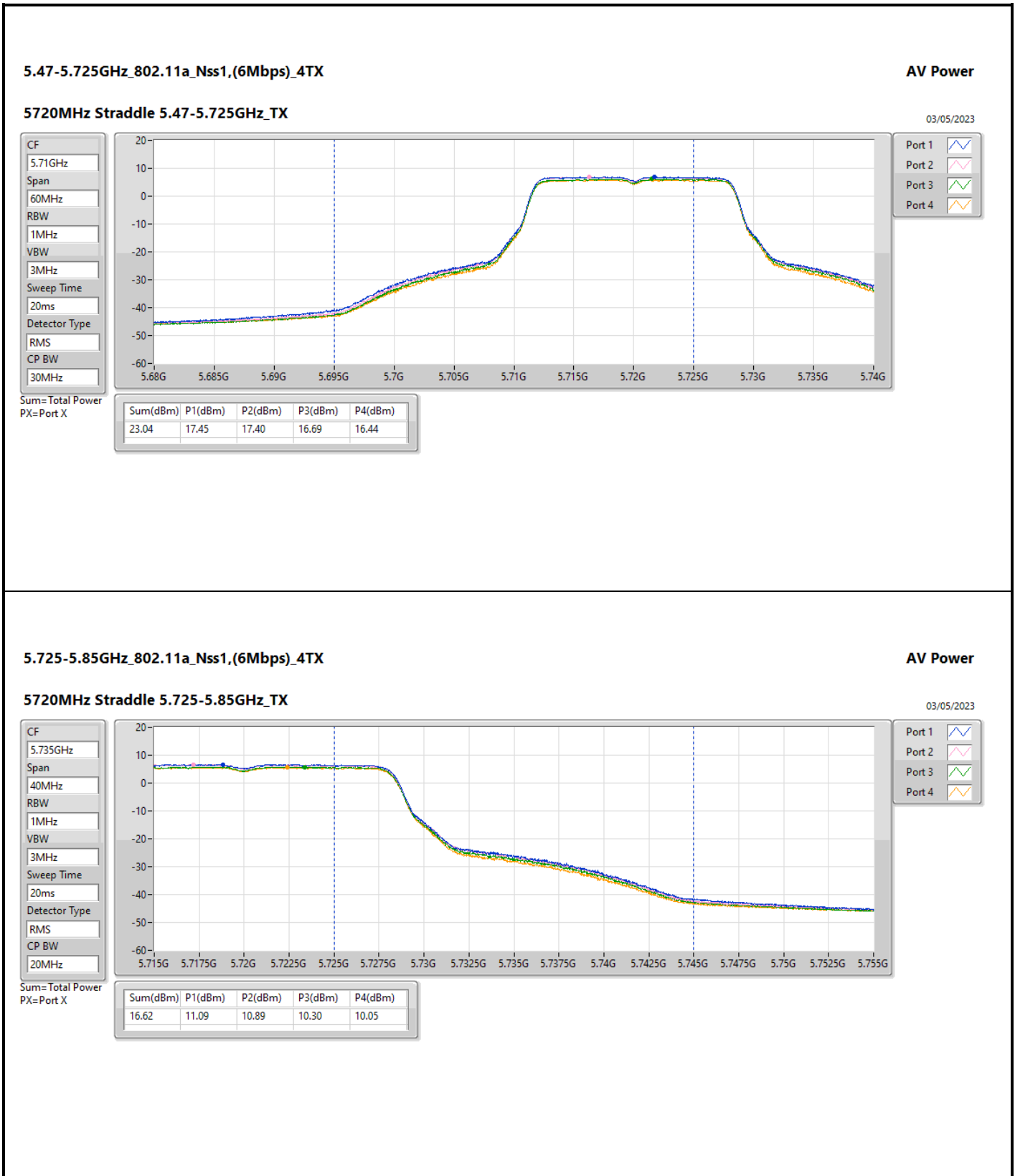


Average Power

Appendix B

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5530MHz	Pass	4.39	18.22	17.65	17.51	17.77	23.82	23.98
5610MHz	Pass	4.39	17.89	17.20	17.92	18.20	23.84	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.39	18.14	17.78	17.73	17.69	23.86	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.64	4.43	4.45	4.49	4.14	10.40	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.85	12.92	13.02	11.84	12.39	18.59	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.11	12.38	12.19	11.35	12.53	18.16	23.98
5570MHz	Pass	4.39	17.32	16.76	16.45	17.93	23.17	23.98

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



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.725-5.85GHz_TX

AV Power

03/05/2023

CF

5.735GHz

Span

40MHz

RBW

1MHz

VBW

3MHz

Sweep Time

20ms

Detector Type

RMS

CP BW

20MHz



Port 1

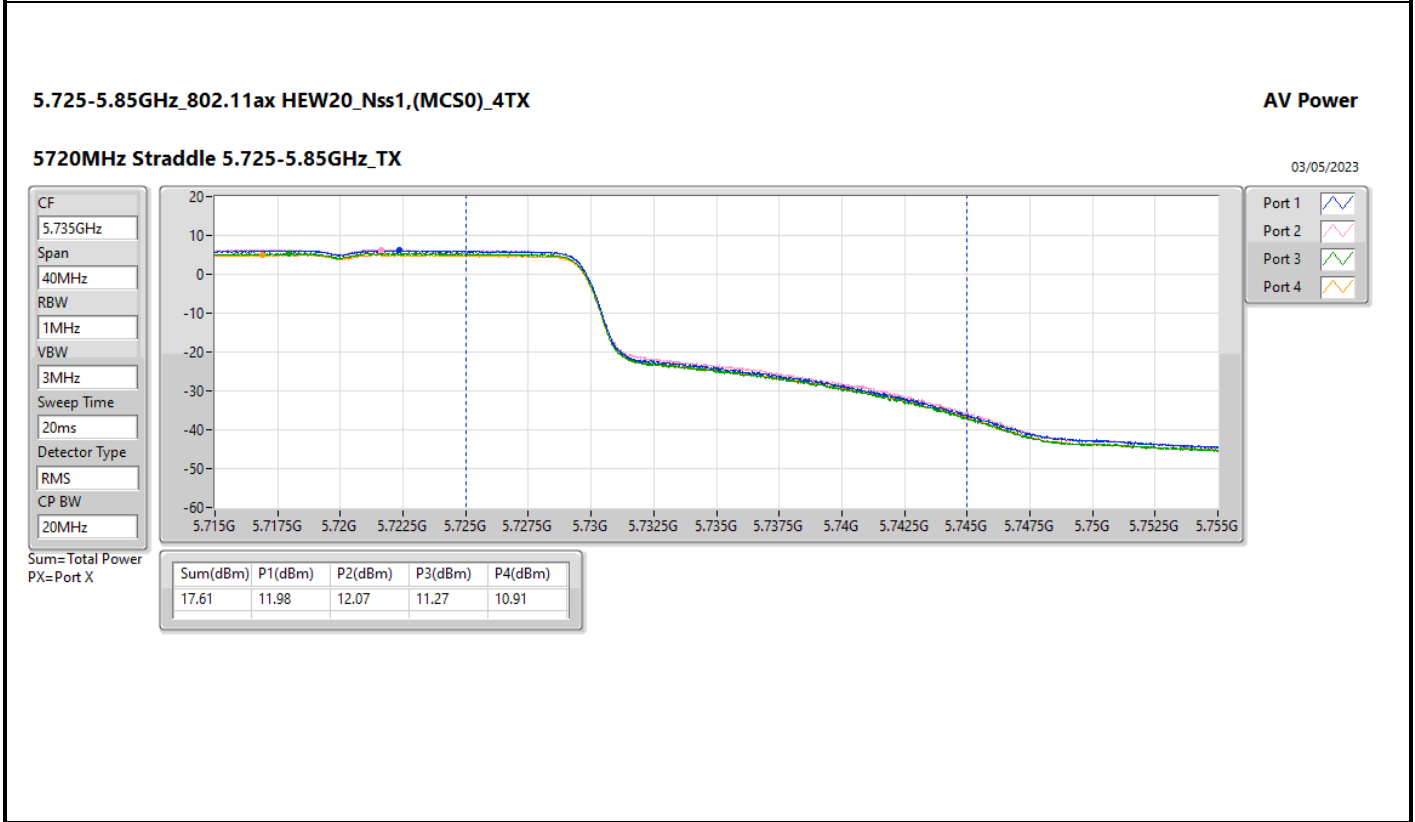
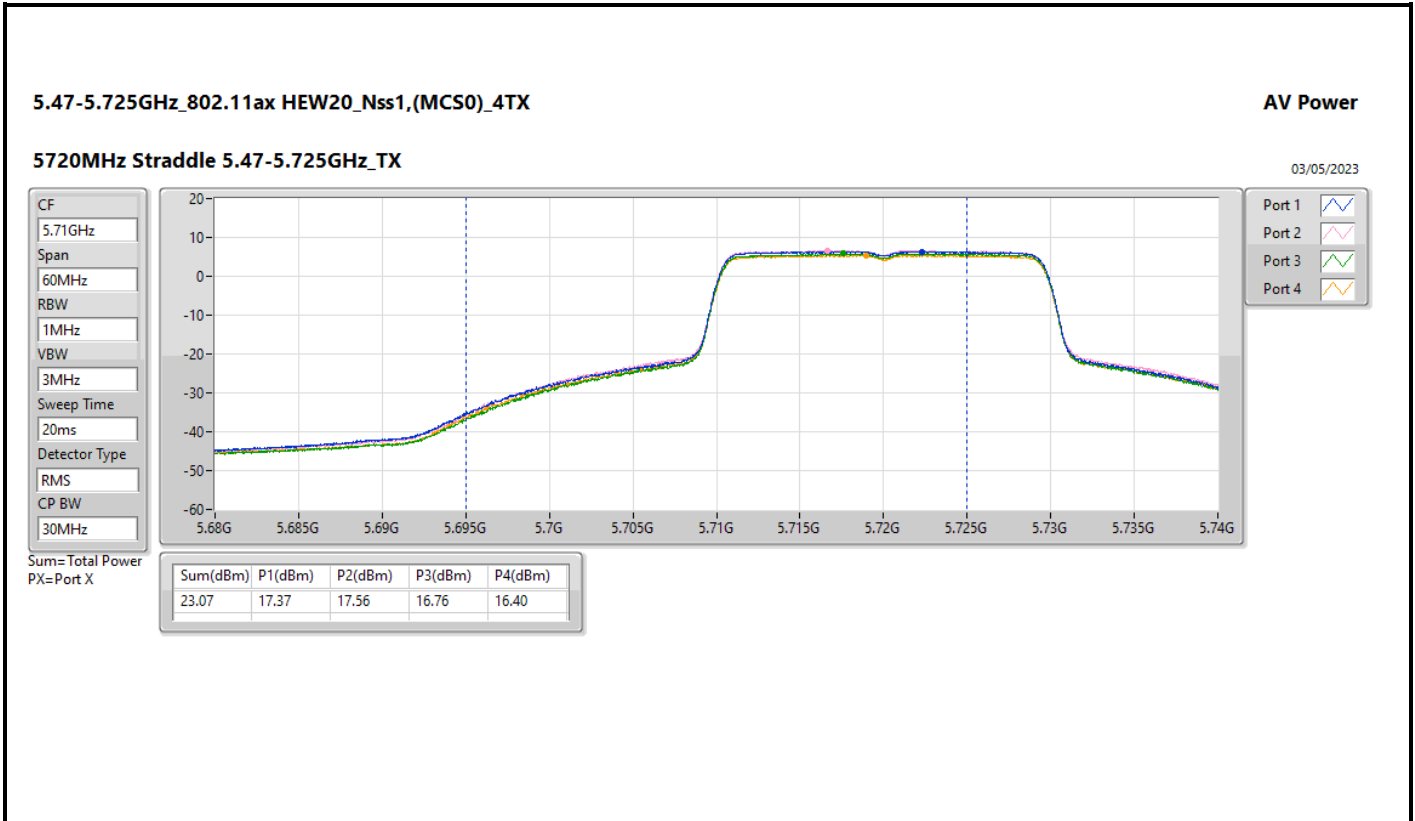
Port 2

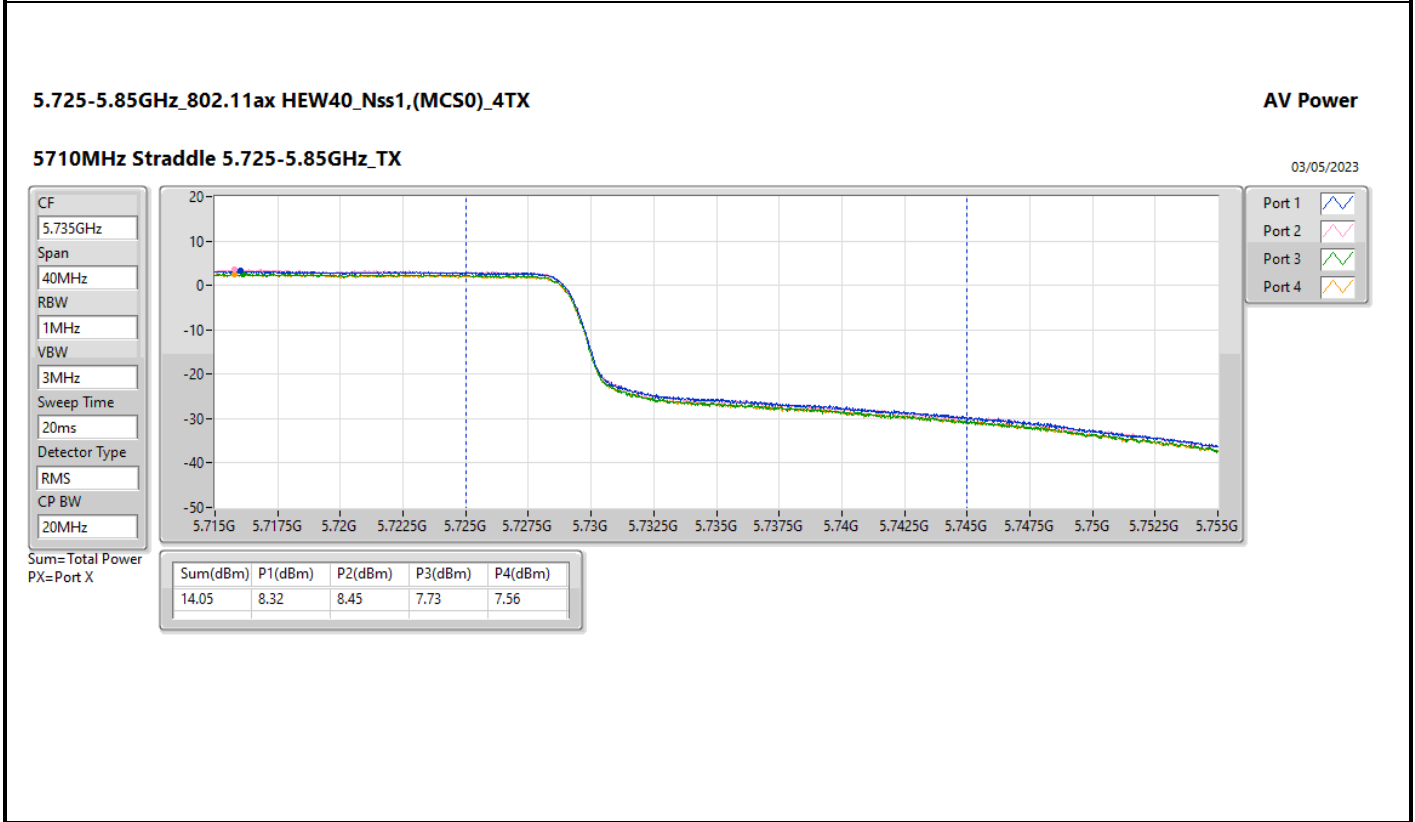
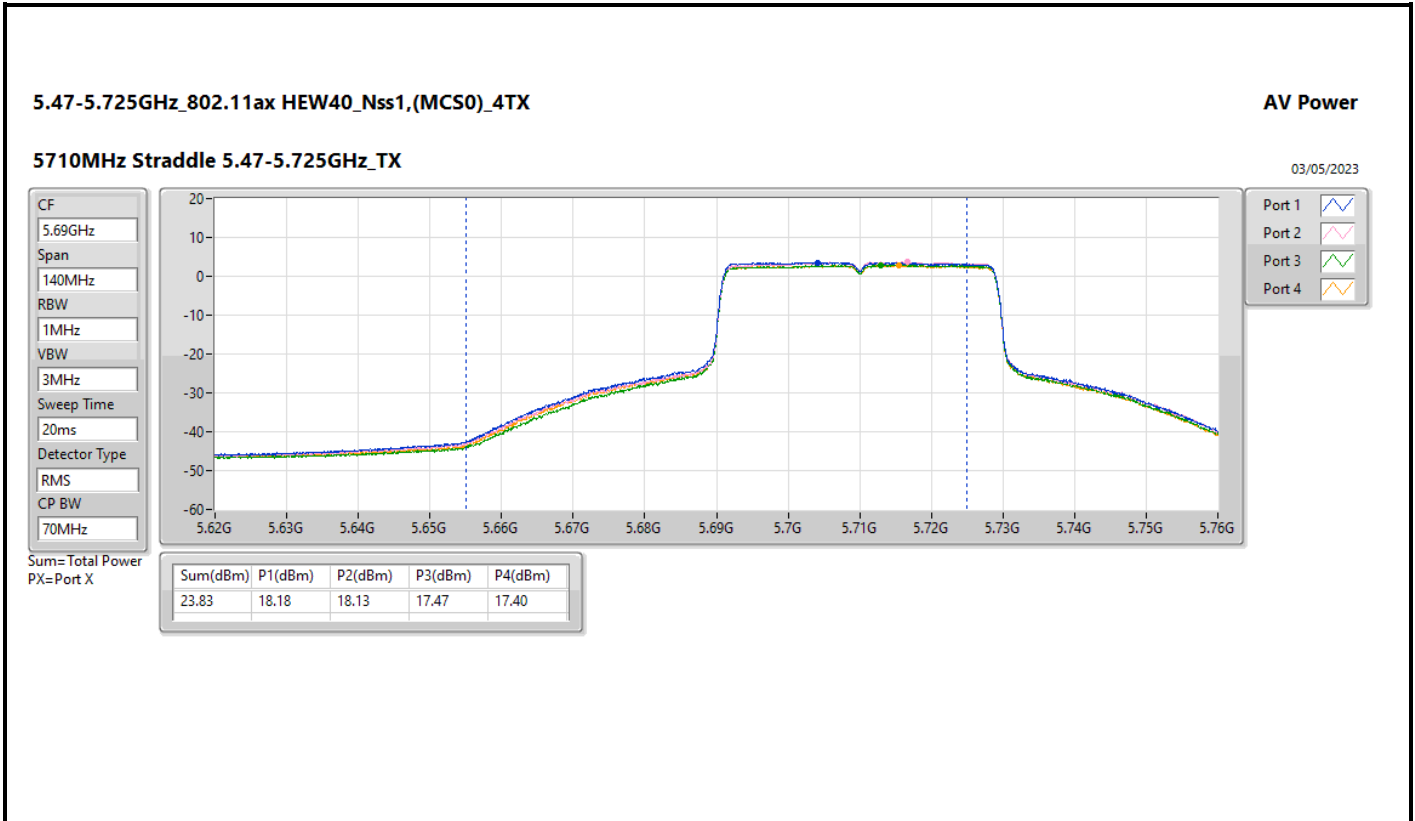
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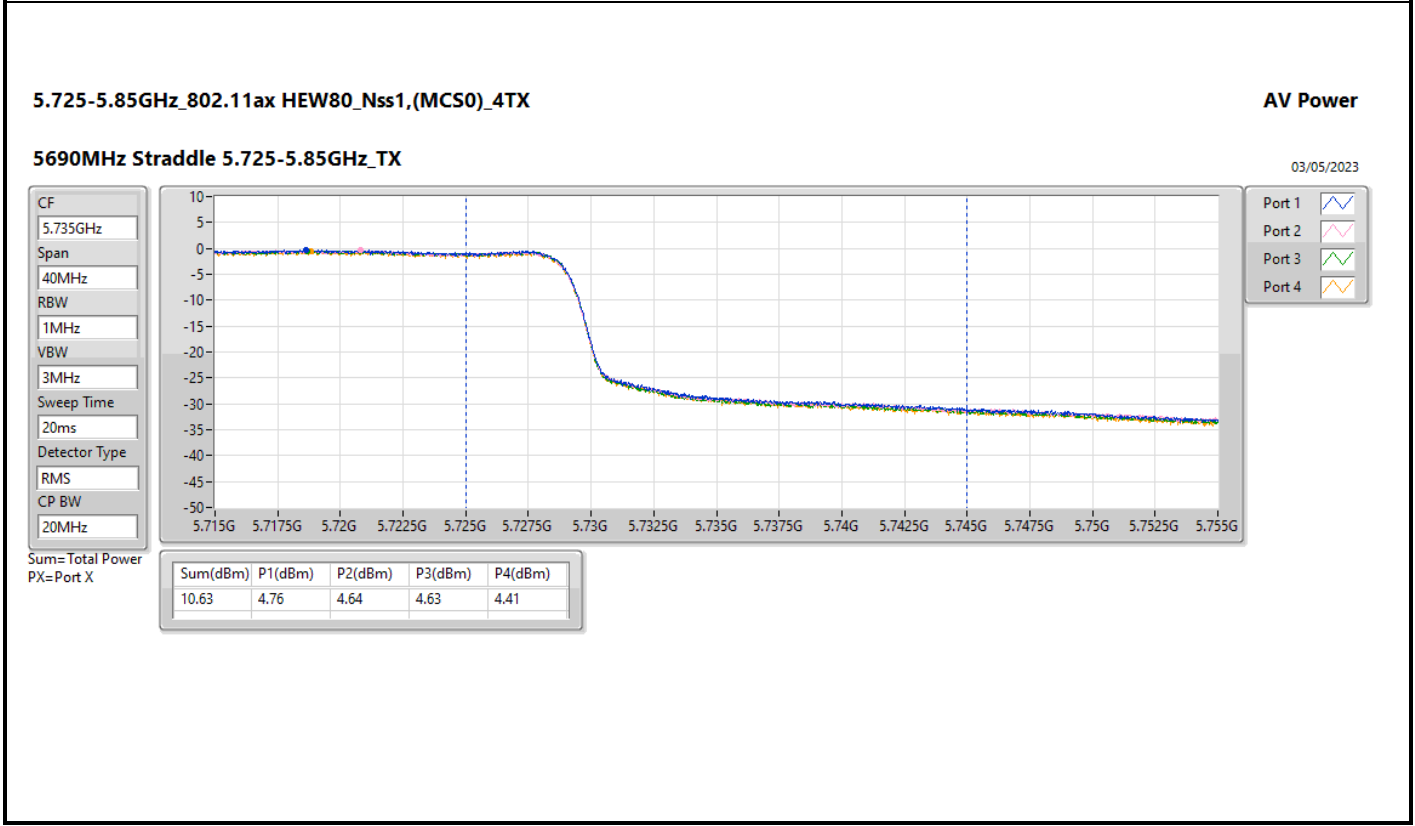
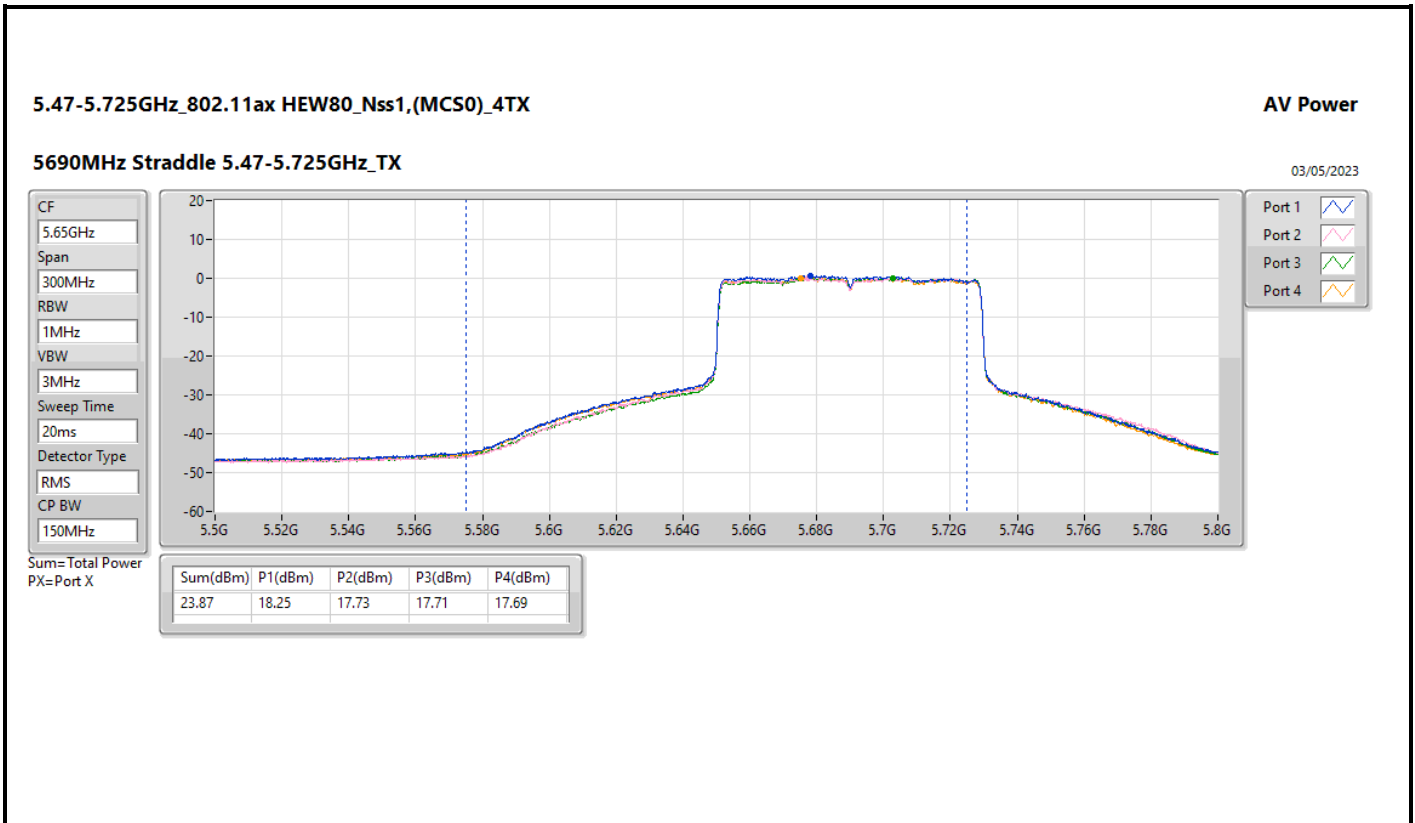
Port 4

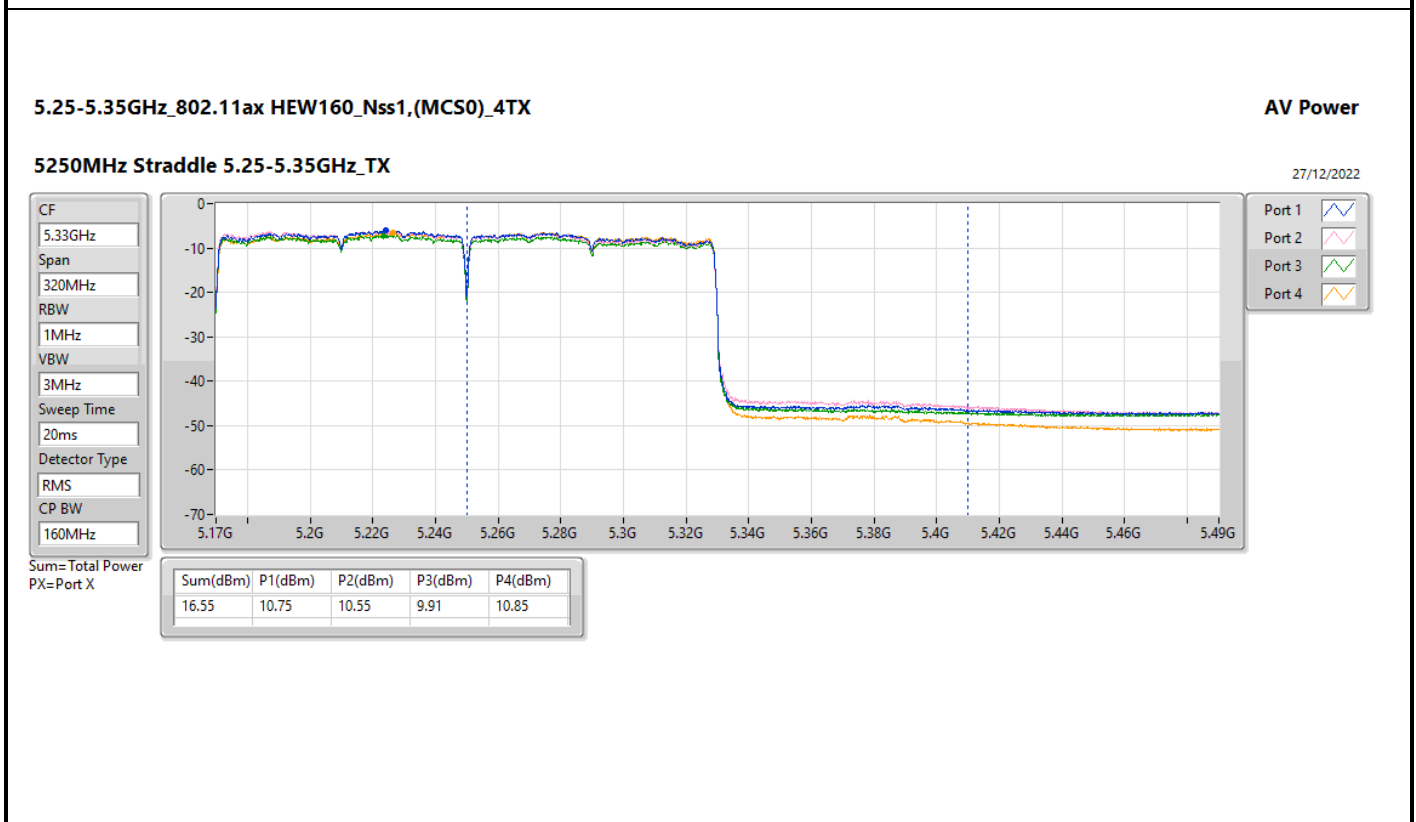
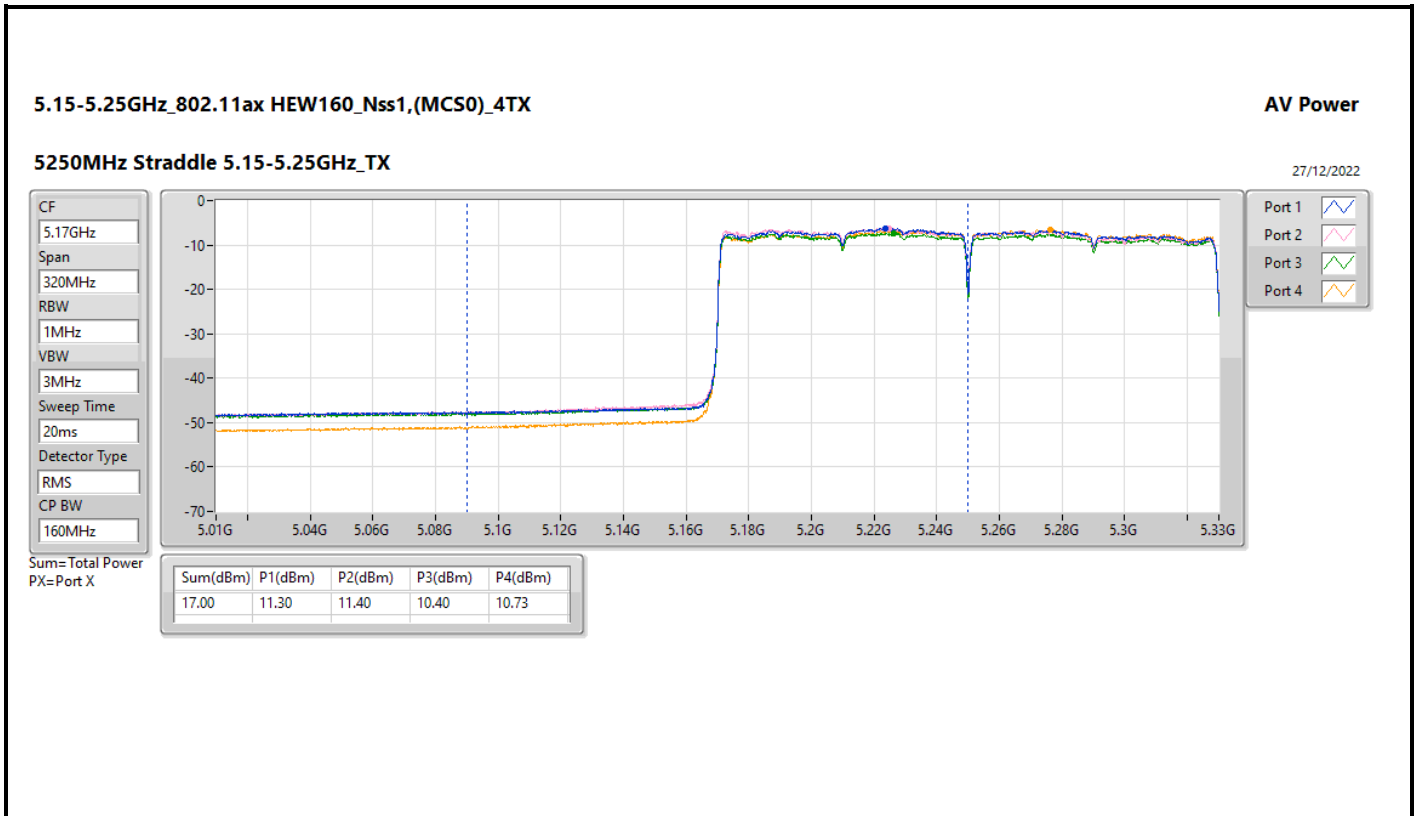
Sum=Total Power
PX=Port X

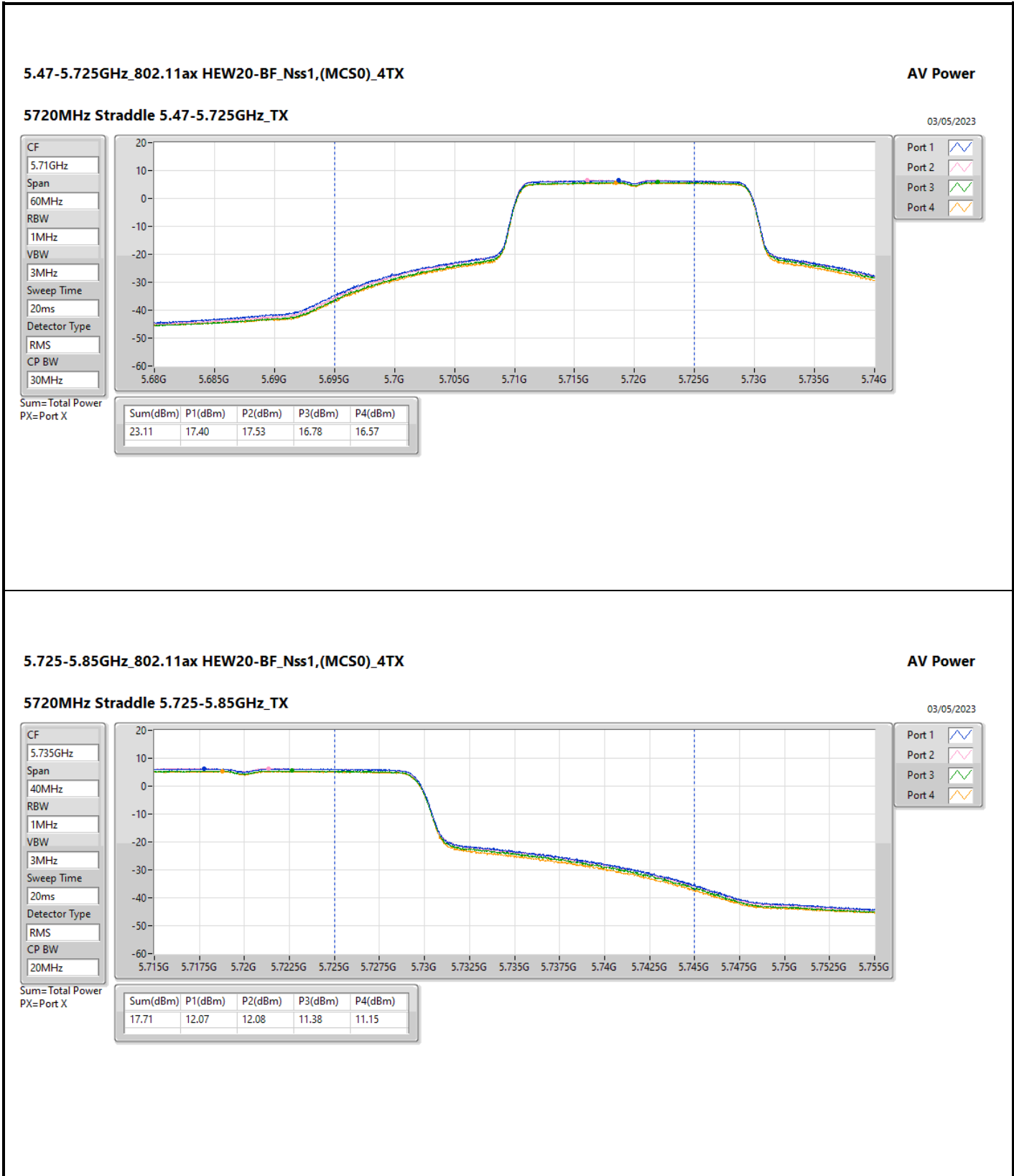
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.62	11.09	10.89	10.30	10.05

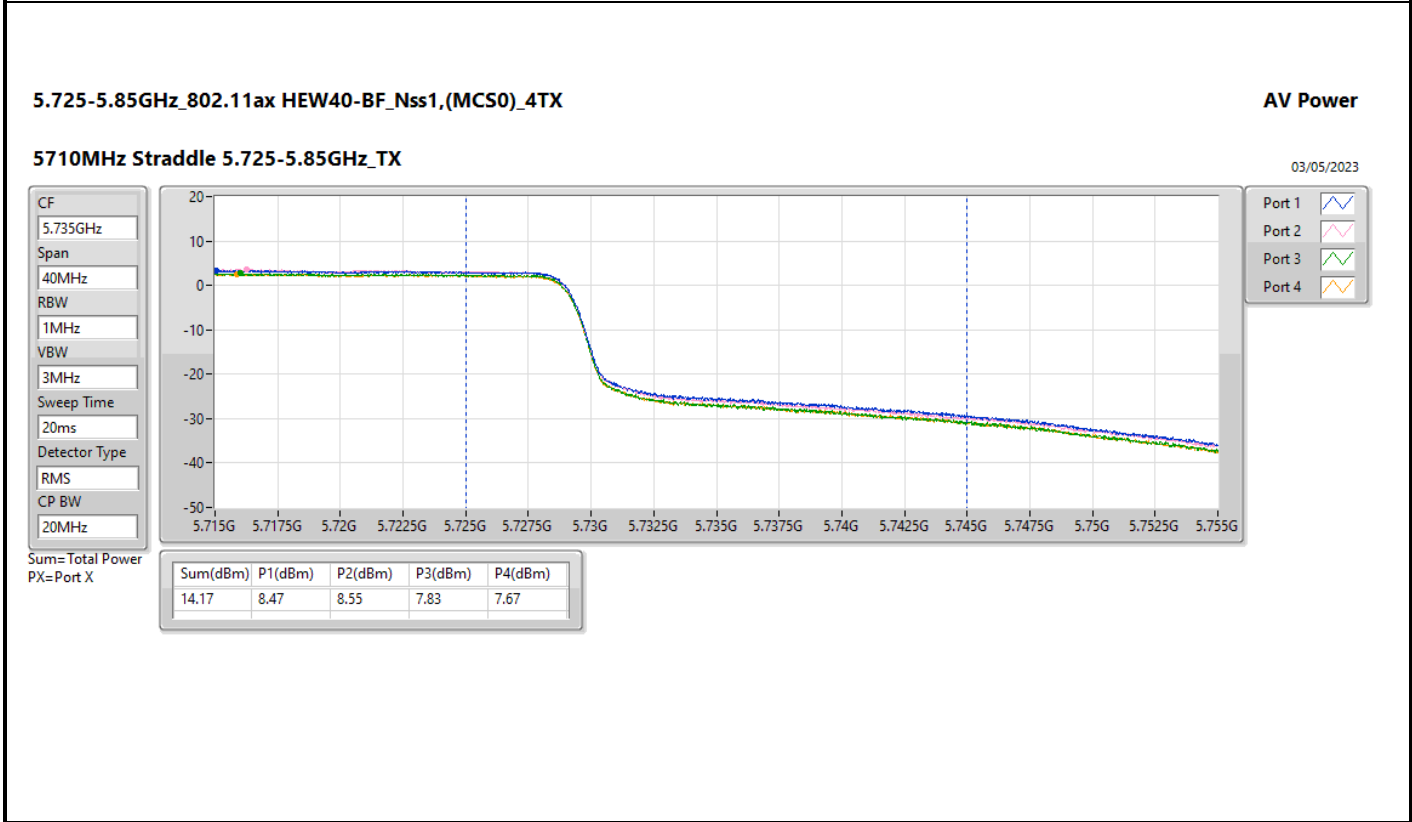
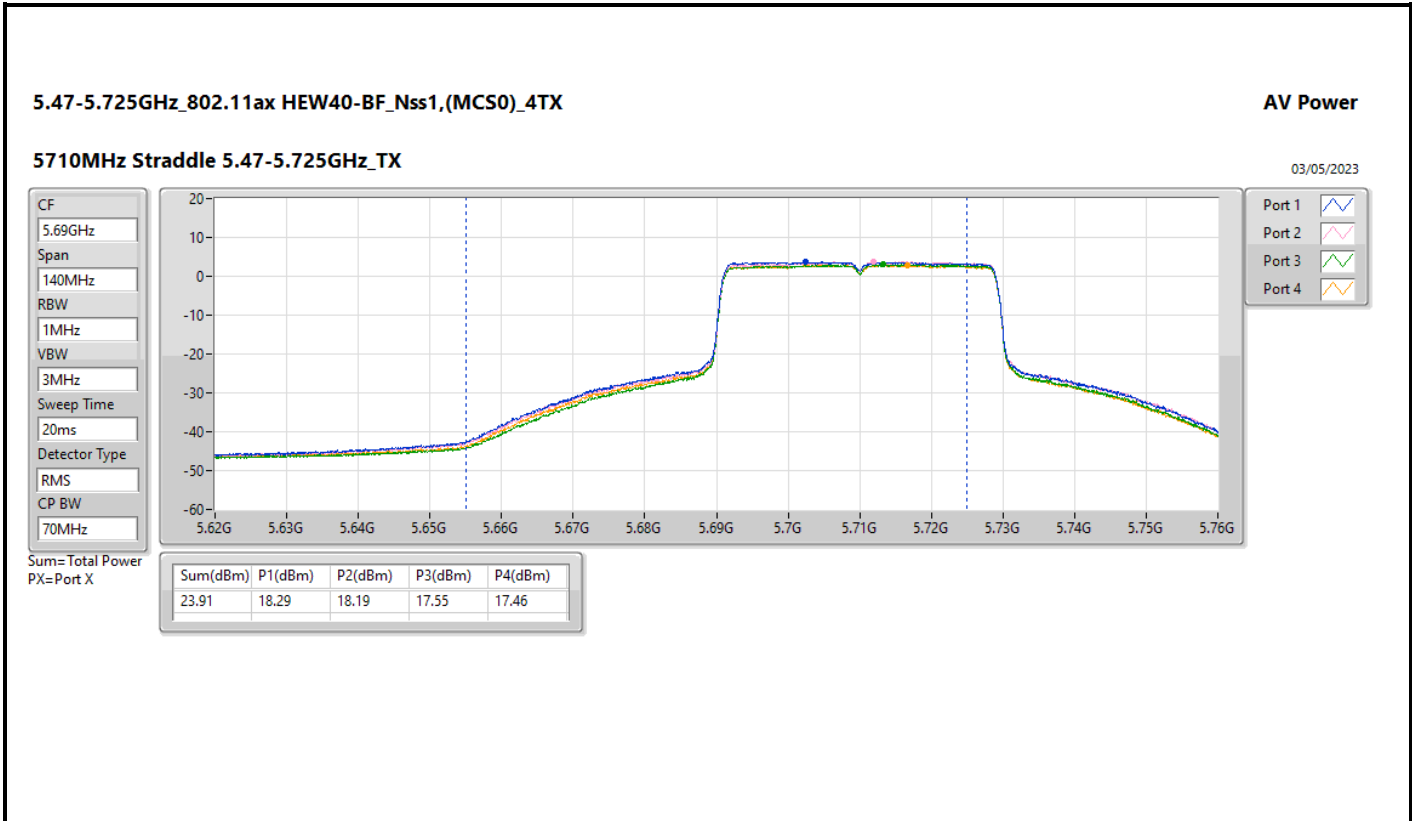












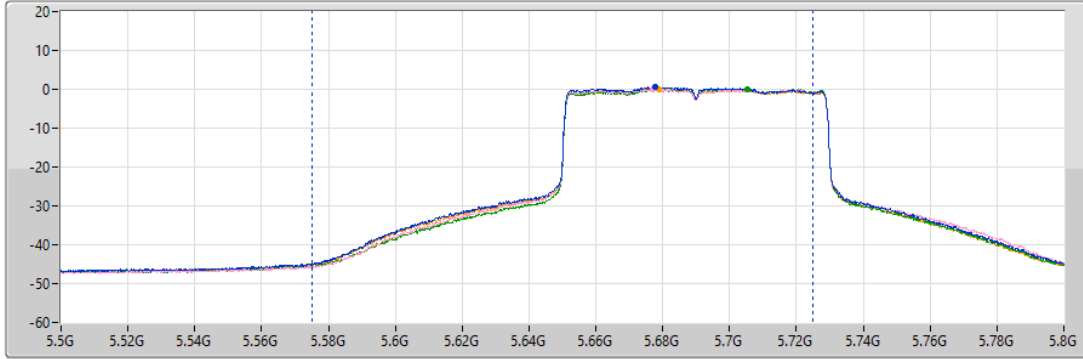
5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

03/05/2023

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



Port 1
Port 2
Port 3
Port 4

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.86	18.14	17.78	17.73	17.69

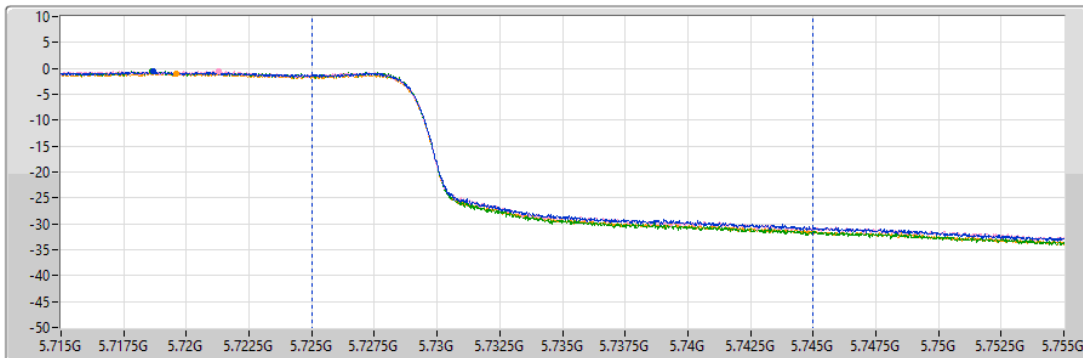
5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

03/05/2023

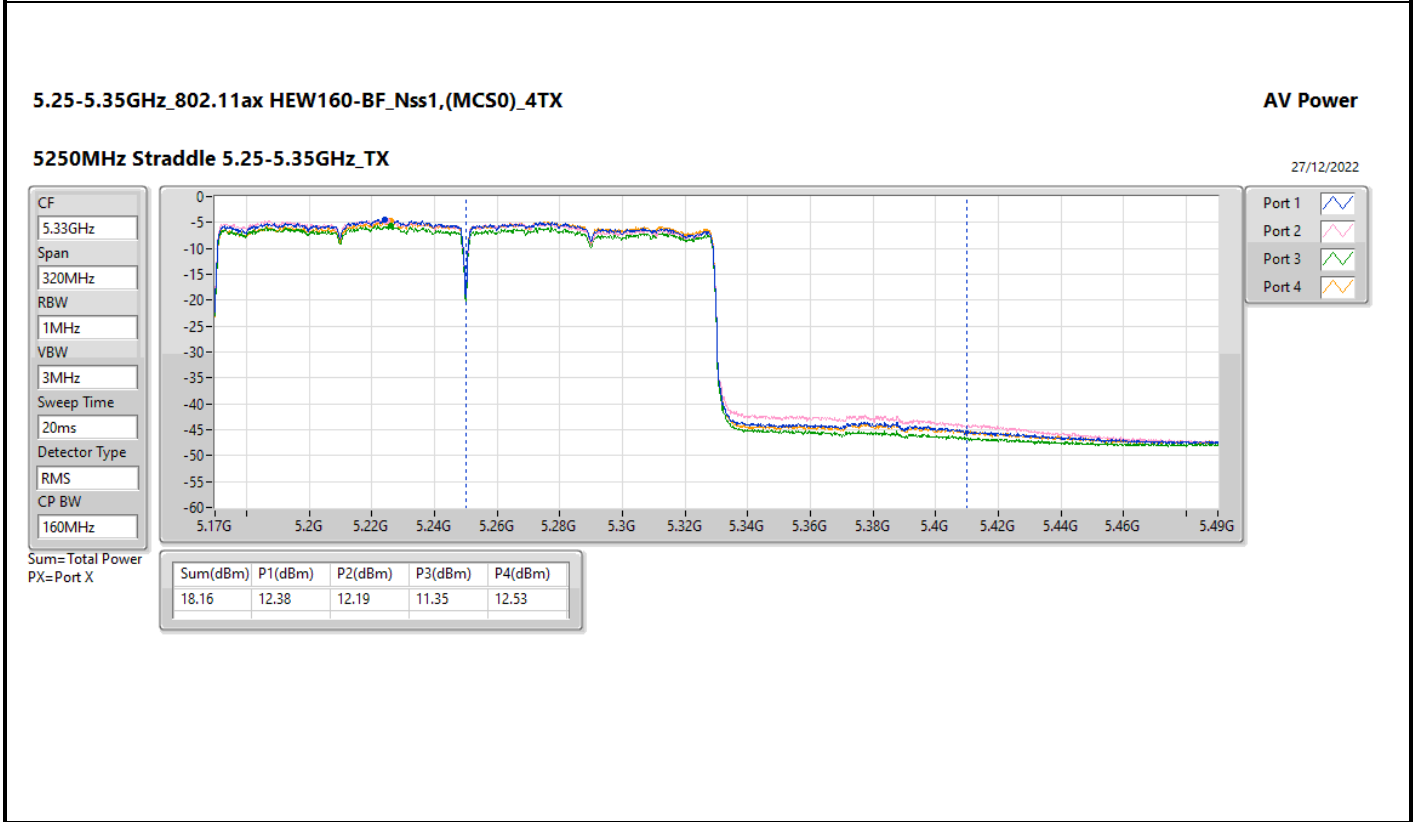
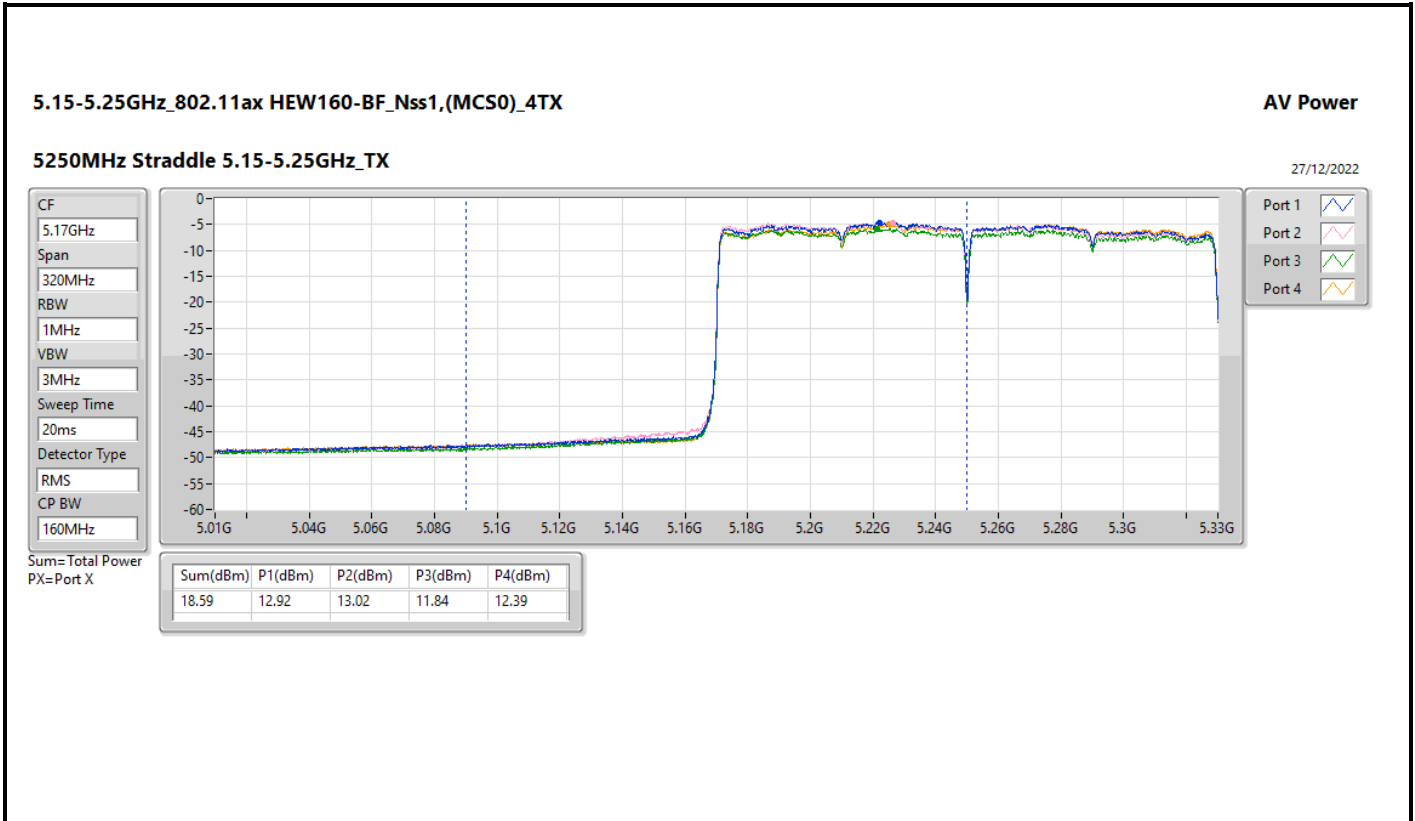
CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz



Port 1
Port 2
Port 3
Port 4

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.40	4.43	4.45	4.49	4.14



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.15
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-0.51
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.63
802.11ax HEW20_Nss1,(MCS0)_4TX	10.08
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.11
802.11ax HEW40_Nss1,(MCS0)_4TX	7.03
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.03
802.11ax HEW80_Nss1,(MCS0)_4TX	1.12
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	1.53
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.38
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-0.70
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.92
802.11ax HEW20_Nss1,(MCS0)_4TX	10.49
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.55
802.11ax HEW40_Nss1,(MCS0)_4TX	7.66
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.73
802.11ax HEW80_Nss1,(MCS0)_4TX	4.57
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.54
802.11ax HEW160_Nss1,(MCS0)_4TX	0.04
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.73
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	8.94
802.11ax HEW20_Nss1,(MCS0)_4TX	8.48
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	8.63
802.11ax HEW40_Nss1,(MCS0)_4TX	5.55
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	5.61
802.11ax HEW80_Nss1,(MCS0)_4TX	2.37
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	2.18

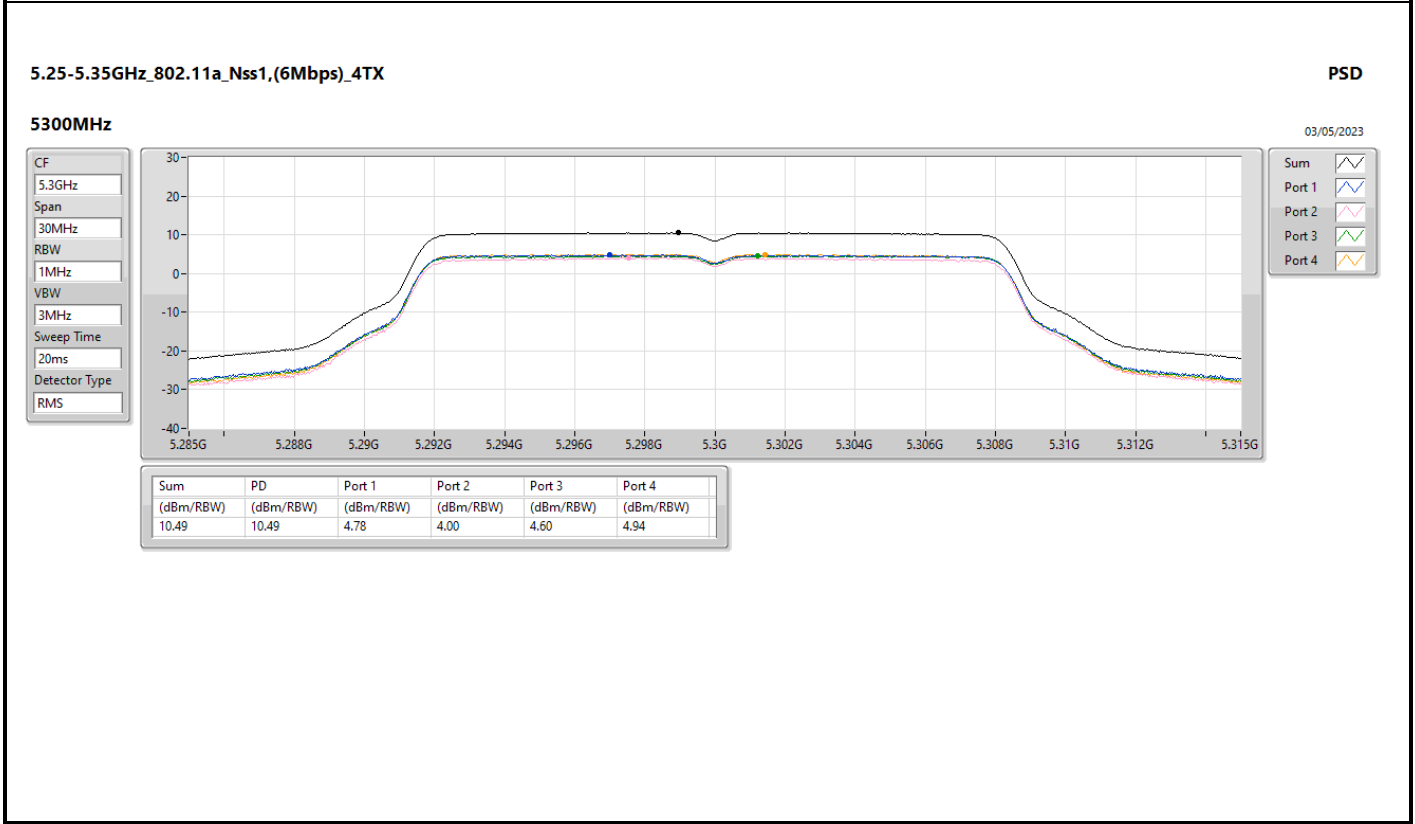
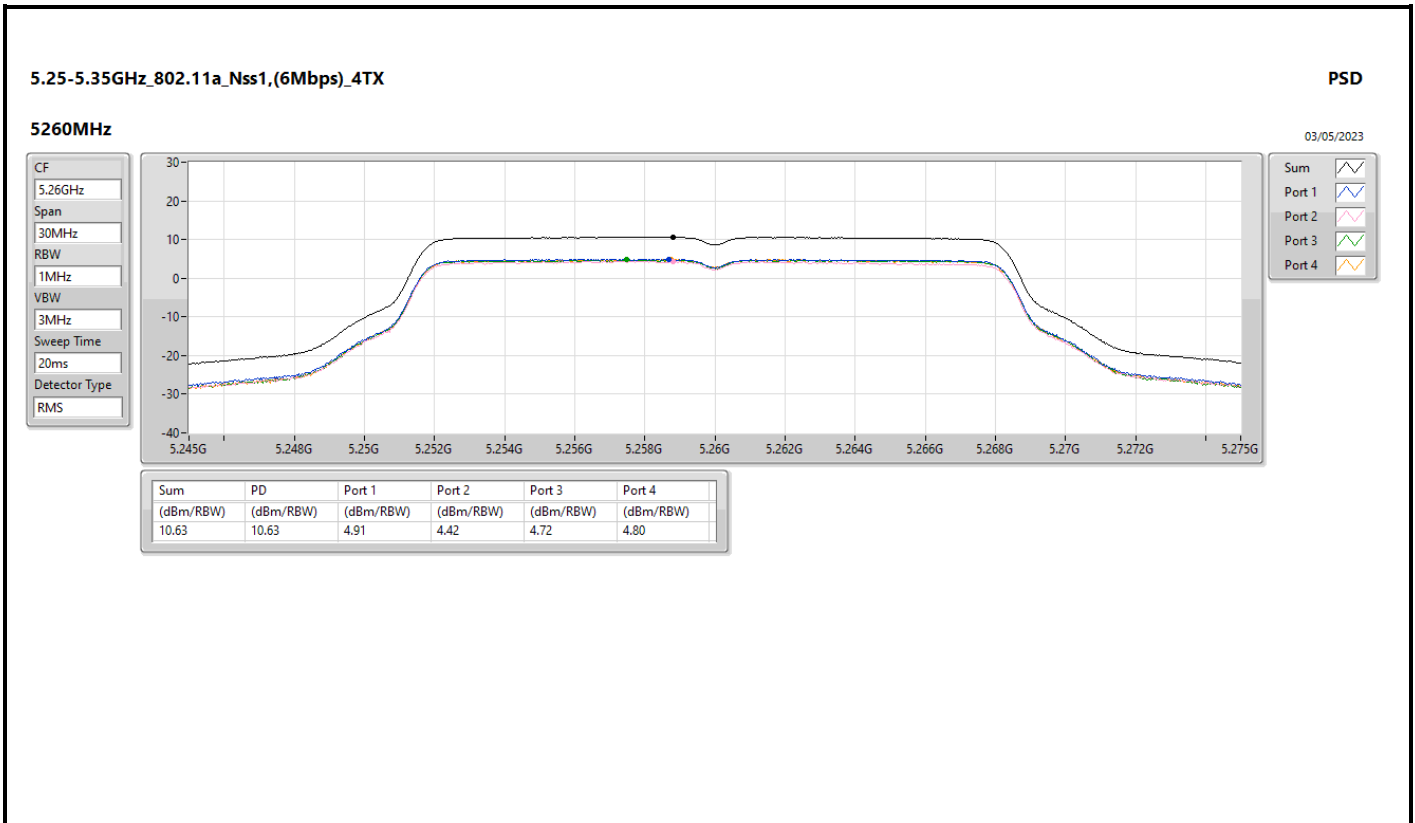
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

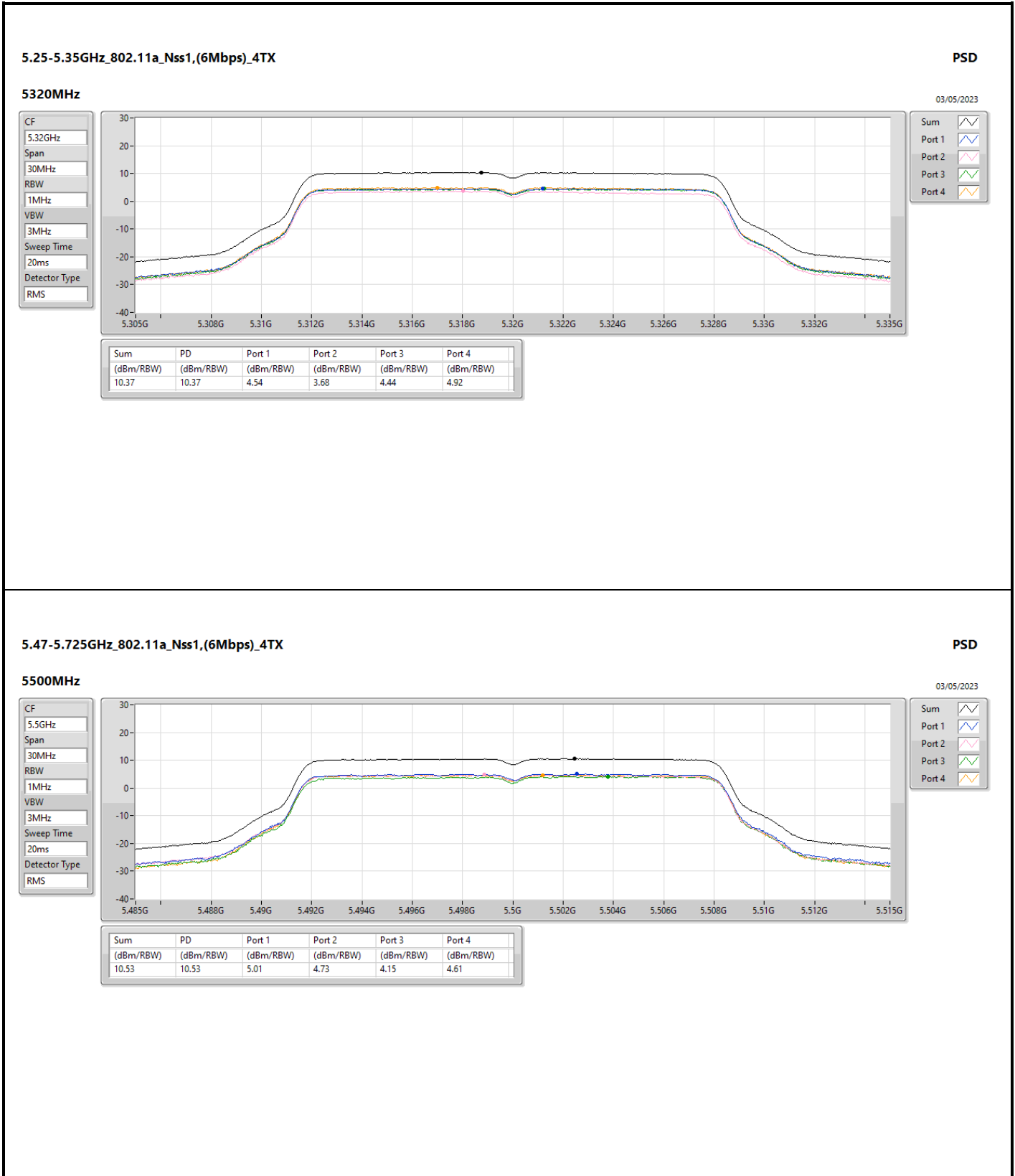
Result

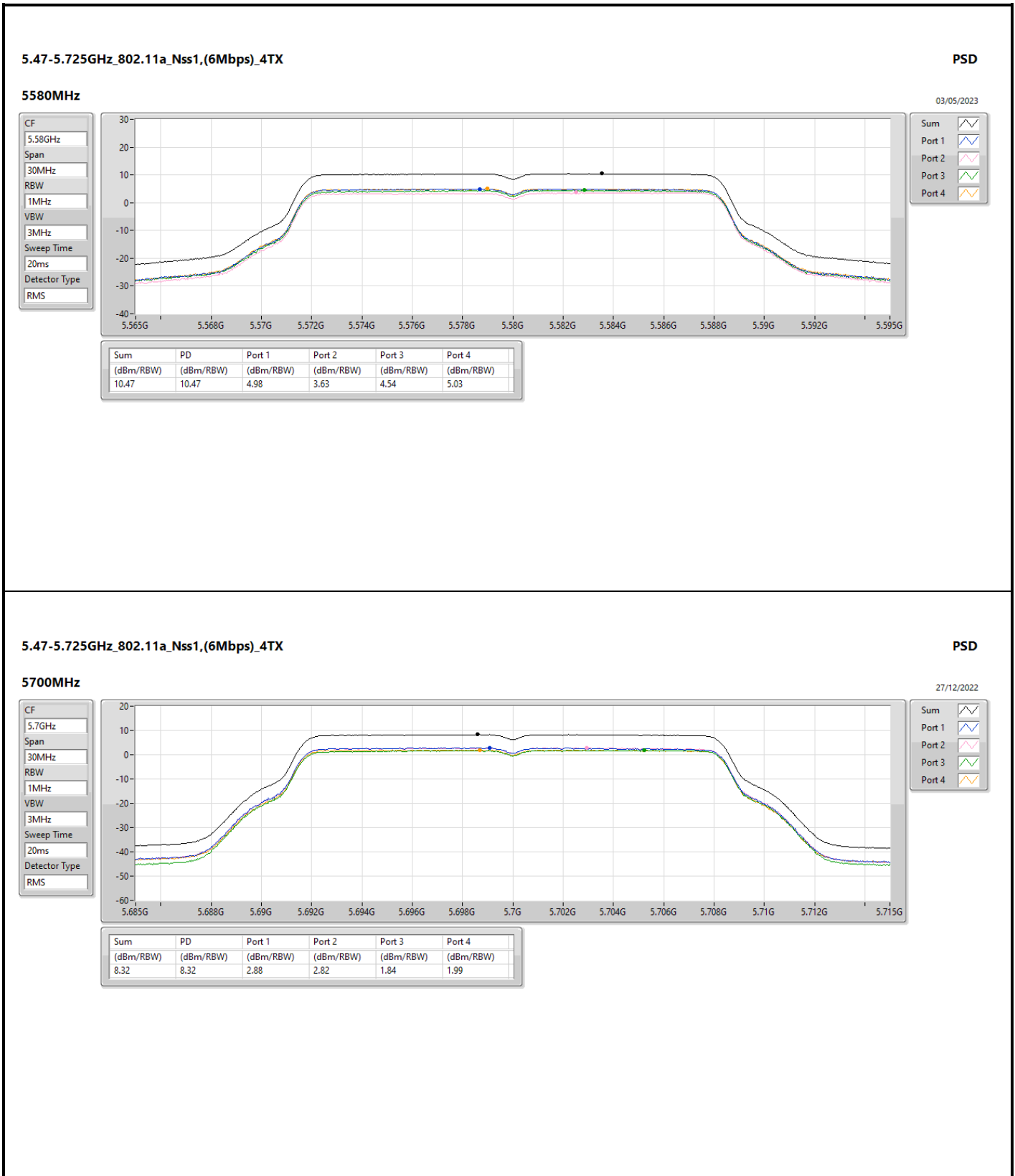
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.11	4.91	4.42	4.72	4.80	10.63	11.00
5300MHz	Pass	4.11	4.78	4.00	4.60	4.94	10.49	11.00
5320MHz	Pass	4.11	4.54	3.68	4.44	4.92	10.37	11.00
5500MHz	Pass	4.39	5.01	4.73	4.15	4.61	10.53	11.00
5580MHz	Pass	4.39	4.98	3.63	4.54	5.03	10.47	11.00
5700MHz	Pass	4.39	2.88	2.82	1.84	1.99	8.32	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.39	5.48	5.37	4.57	4.49	10.92	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.64	3.42	3.35	2.73	2.39	8.94	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.11	4.44	3.80	4.19	4.11	10.08	11.00
5300MHz	Pass	4.11	4.06	3.31	3.88	4.30	9.84	11.00
5320MHz	Pass	4.11	4.31	3.21	4.32	4.65	10.07	11.00
5500MHz	Pass	4.39	4.32	4.17	3.48	3.86	9.87	11.00
5580MHz	Pass	4.39	4.42	3.03	3.77	4.41	9.89	11.00
5700MHz	Pass	4.39	1.74	1.85	0.80	1.15	7.33	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.39	4.82	5.13	4.23	3.86	10.49	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.64	2.88	3.09	2.26	1.84	8.48	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.11	1.47	0.57	1.06	1.31	7.03	11.00
5310MHz	Pass	4.11	-2.13	-3.02	-2.30	-1.89	3.59	11.00
5510MHz	Pass	4.39	0.68	0.36	-0.00	0.14	6.17	11.00
5550MHz	Pass	4.39	1.26	0.54	0.62	0.88	6.72	11.00
5670MHz	Pass	4.39	-0.04	0.13	-0.54	0.02	5.84	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.39	2.02	2.20	1.36	1.28	7.66	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.64	-0.13	0.01	-0.70	-0.83	5.55	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	4.11	-4.52	-5.12	-4.73	-4.75	1.12	11.00
5530MHz	Pass	4.39	-2.95	-3.45	-3.64	-3.57	2.58	11.00
5610MHz	Pass	4.39	-1.55	-2.17	-1.68	-1.29	4.22	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.39	-0.94	-1.55	-1.56	-1.42	4.57	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.64	-3.36	-3.58	-3.41	-3.70	2.37	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.85	-7.64	-7.76	-8.83	-8.04	-2.15	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.11	-8.14	-8.25	-8.89	-7.94	-2.38	11.00
5570MHz	Pass	4.39	-5.76	-6.18	-6.50	-4.98	0.04	11.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.11	4.49	3.63	4.22	4.31	10.11	11.00
5300MHz	Pass	4.11	4.05	3.17	3.98	4.25	9.83	11.00
5320MHz	Pass	4.11	4.32	3.20	4.29	4.53	10.06	11.00
5500MHz	Pass	4.39	4.34	4.12	3.63	3.81	9.87	11.00
5580MHz	Pass	4.39	4.40	2.99	3.93	4.47	9.90	11.00
5700MHz	Pass	4.39	1.40	1.47	0.50	0.78	7.00	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.39	4.94	5.11	4.31	4.05	10.55	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.64	3.04	3.09	2.35	2.15	8.63	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.11	1.46	0.53	1.06	1.28	7.03	11.00
5310MHz	Pass	4.11	-0.15	-0.94	-0.30	0.14	5.63	11.00
5510MHz	Pass	4.39	1.44	1.14	0.81	0.95	6.97	11.00
5550MHz	Pass	4.39	1.42	0.68	0.51	0.93	6.78	11.00
5670MHz	Pass	4.39	-3.68	-3.80	-4.15	-3.67	2.12	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.39	2.11	2.39	1.48	1.31	7.73	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.64	-0.05	0.10	-0.65	-0.82	5.61	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	4.11	-4.16	-4.66	-4.34	-4.34	1.53	11.00

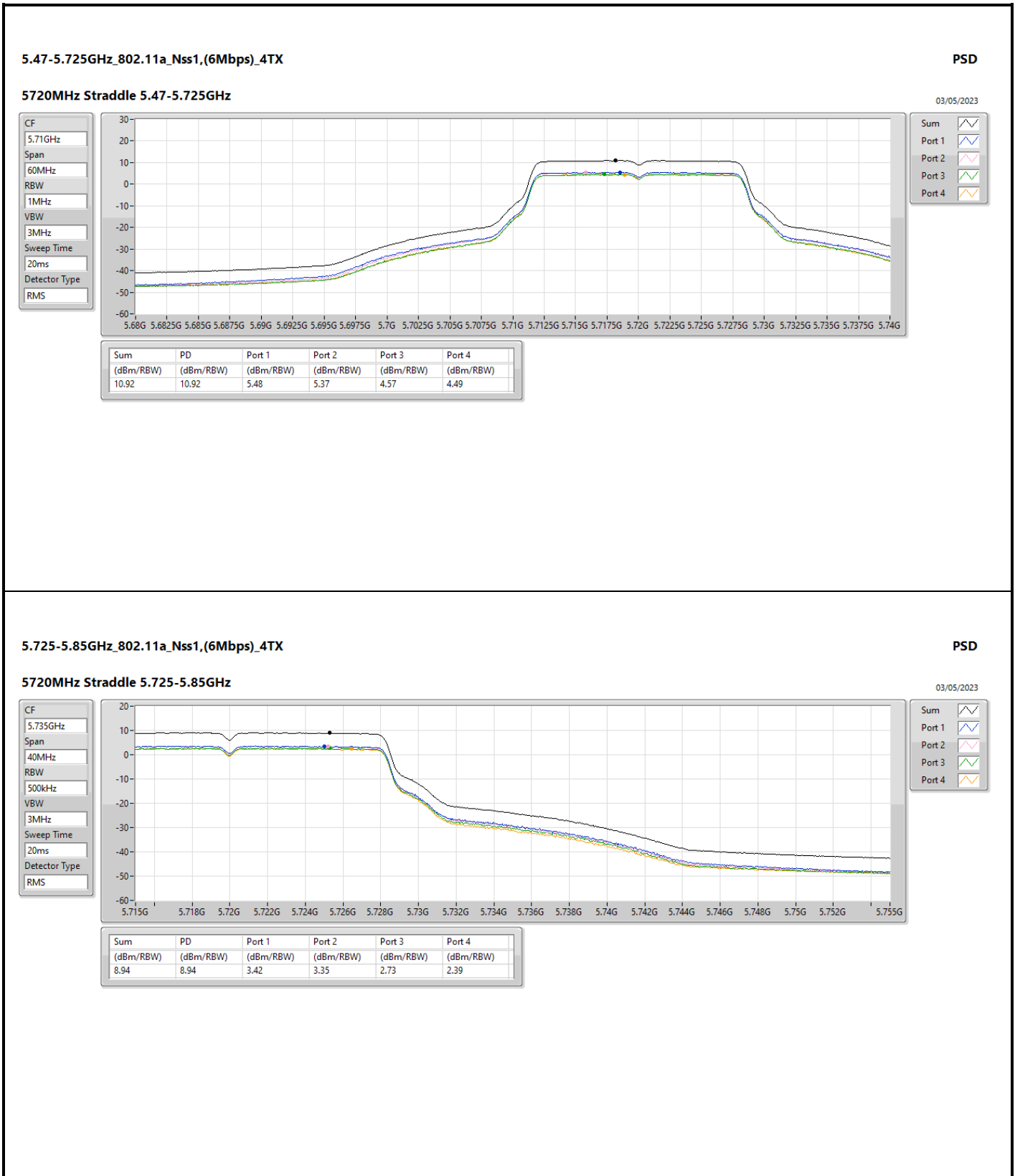
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5530MHz	Pass	4.39	-1.42	-2.25	-2.16	-2.02	3.92	11.00
5610MHz	Pass	4.39	-1.62	-2.40	-1.78	-1.44	4.09	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.39	-0.99	-1.51	-1.42	-1.37	4.54	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.64	-3.73	-3.75	-3.67	-4.03	2.18	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.85	-5.97	-6.22	-7.28	-6.44	-0.51	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.11	-6.51	-6.57	-7.52	-6.34	-0.70	11.00
5570MHz	Pass	4.39	-5.06	-5.48	-5.96	-4.25	0.73	11.00

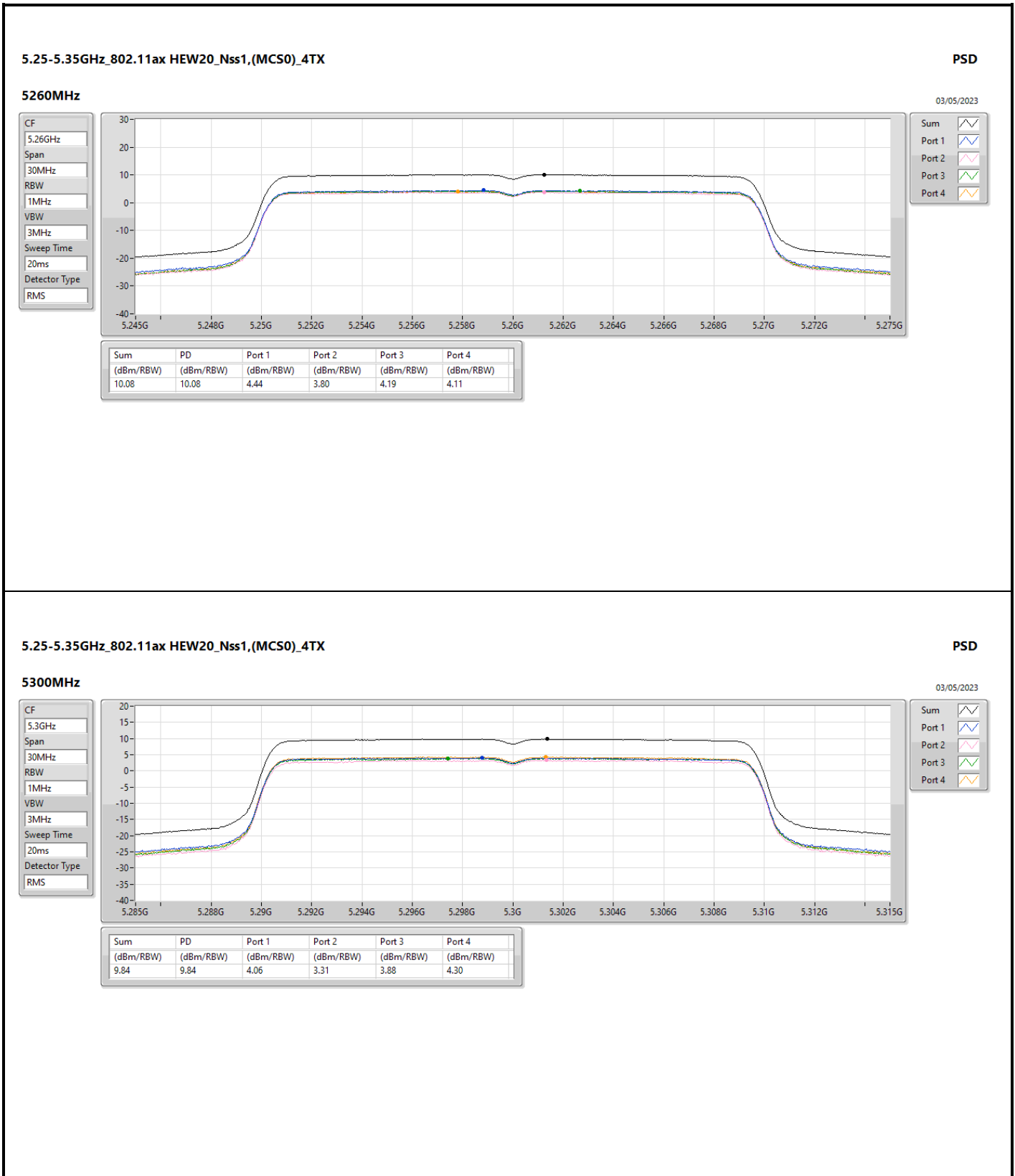
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

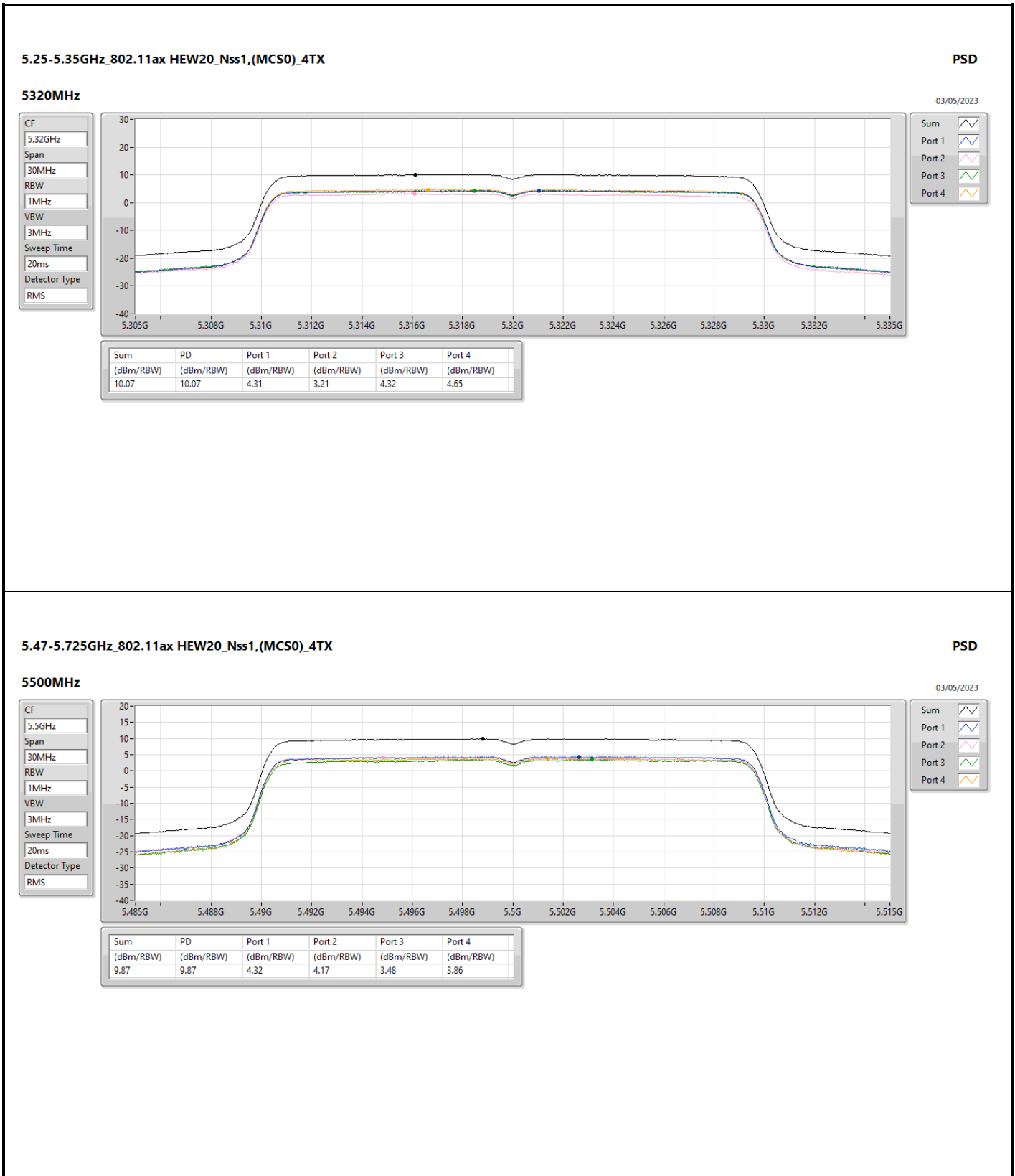


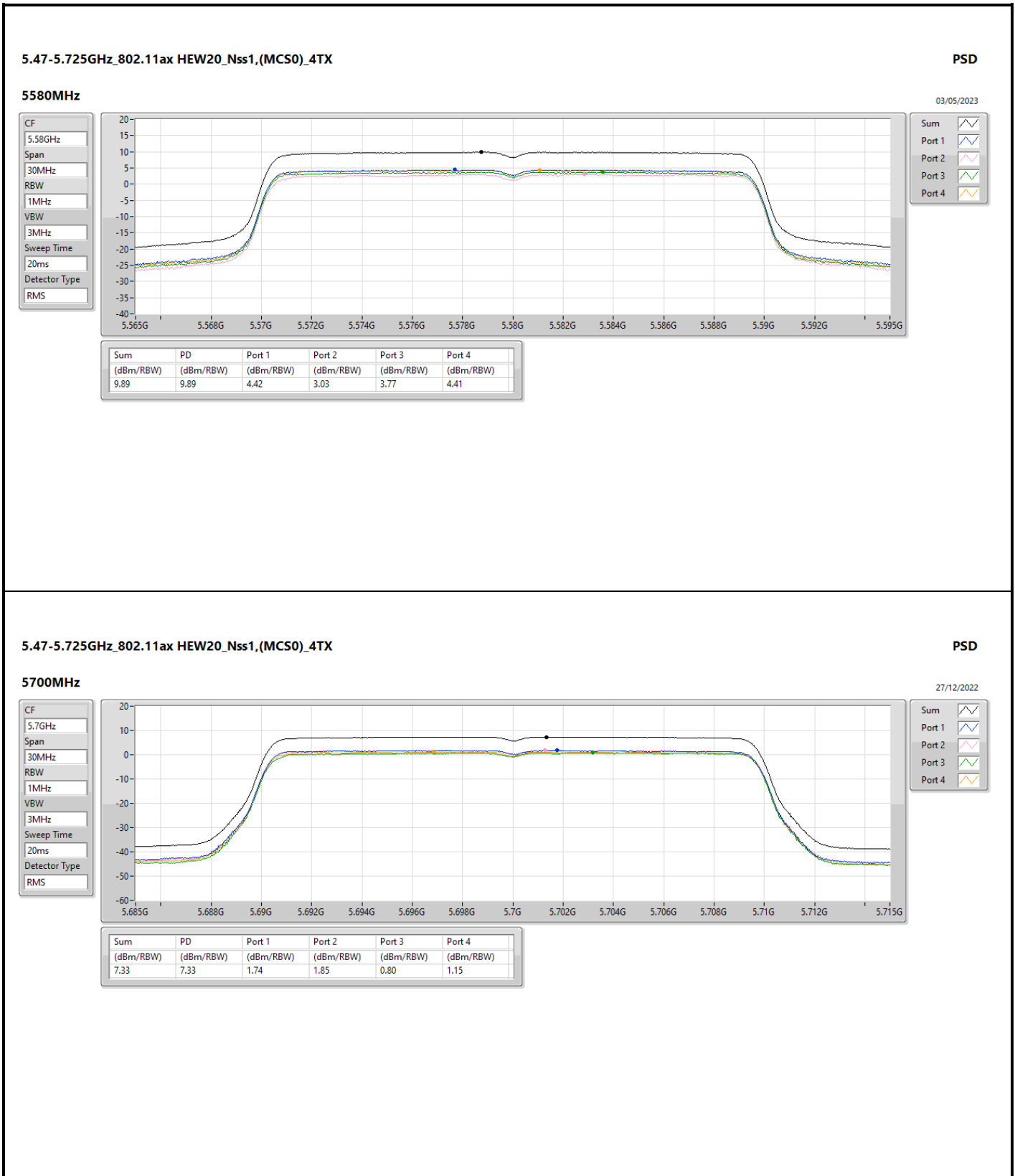


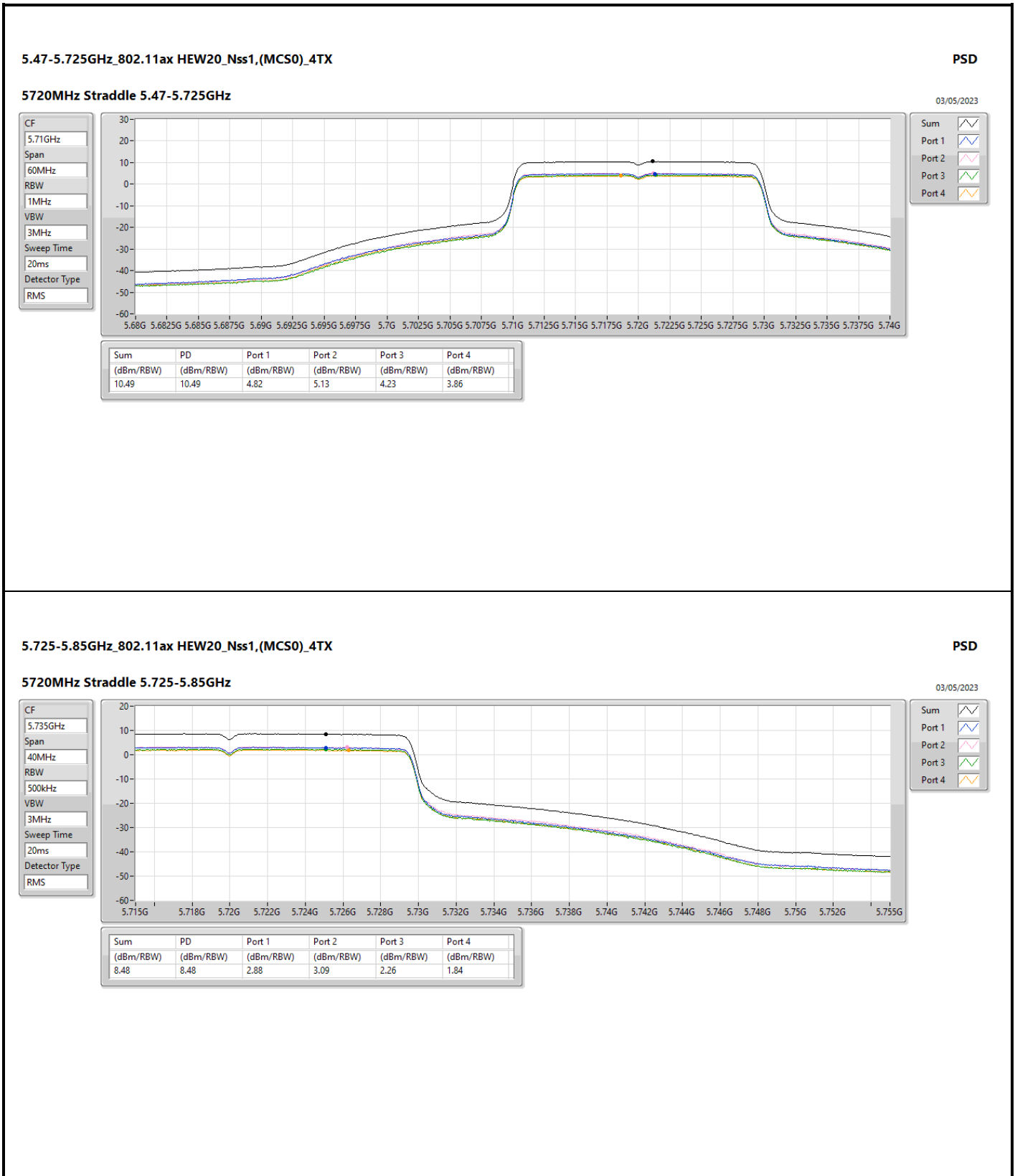


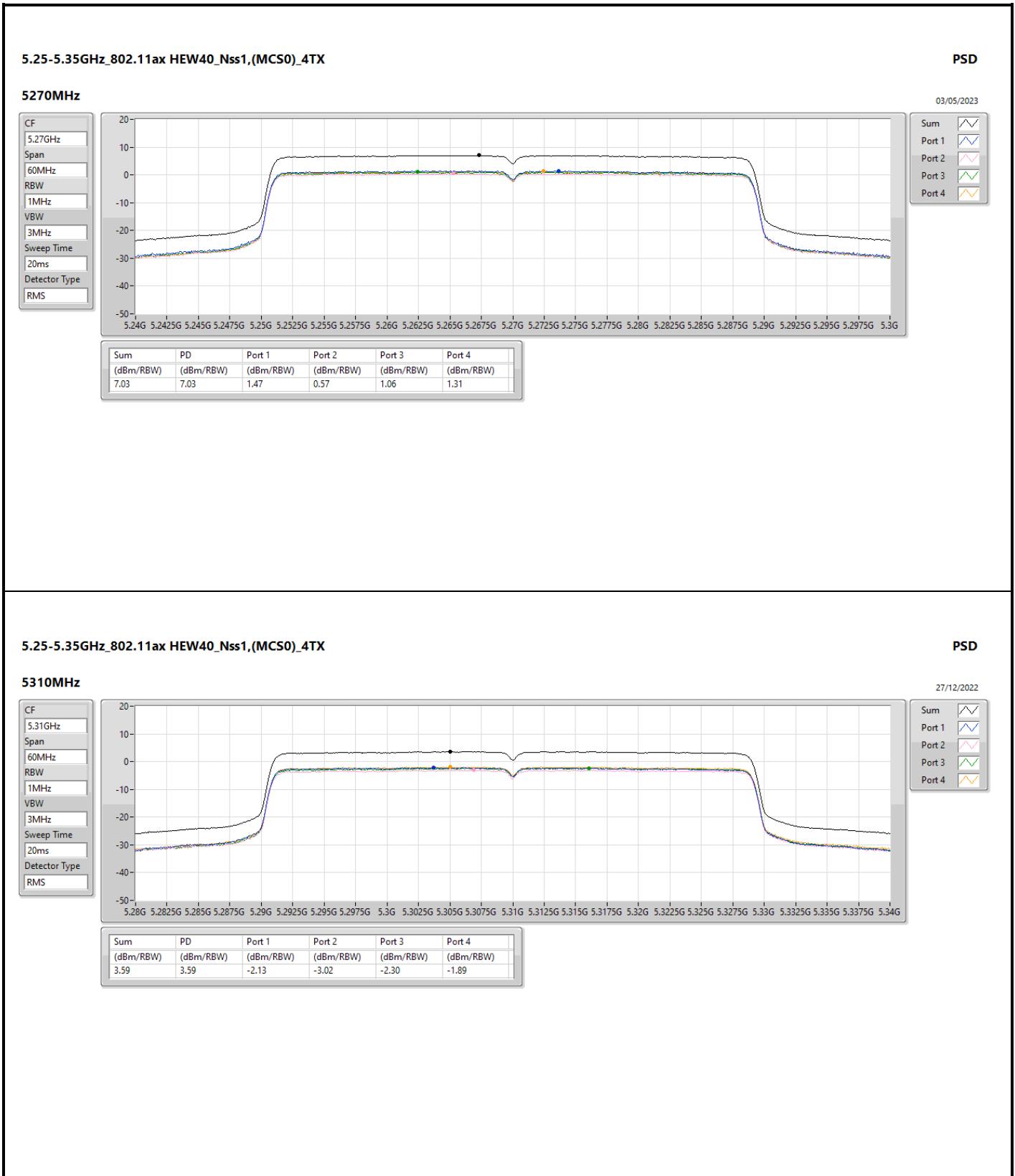


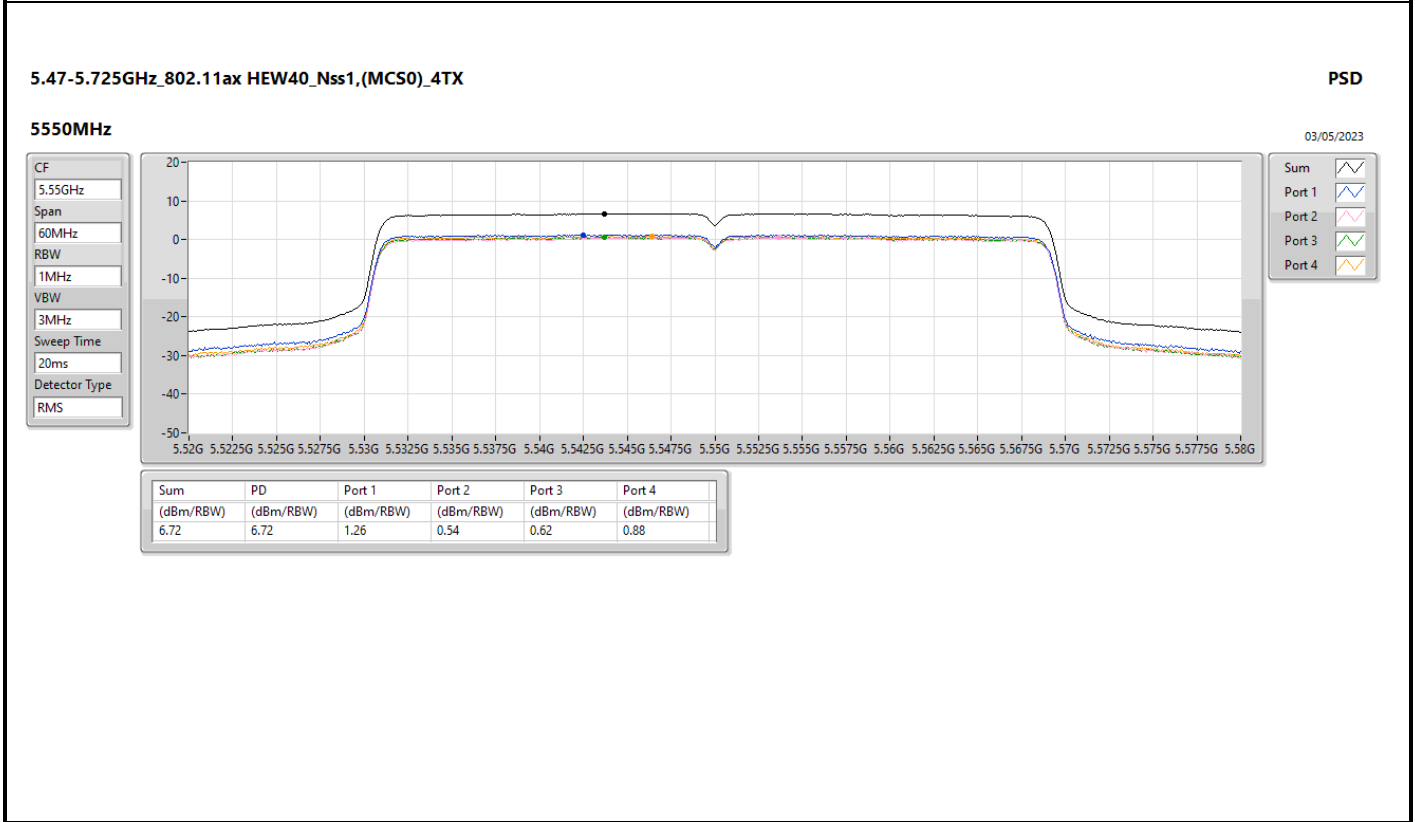
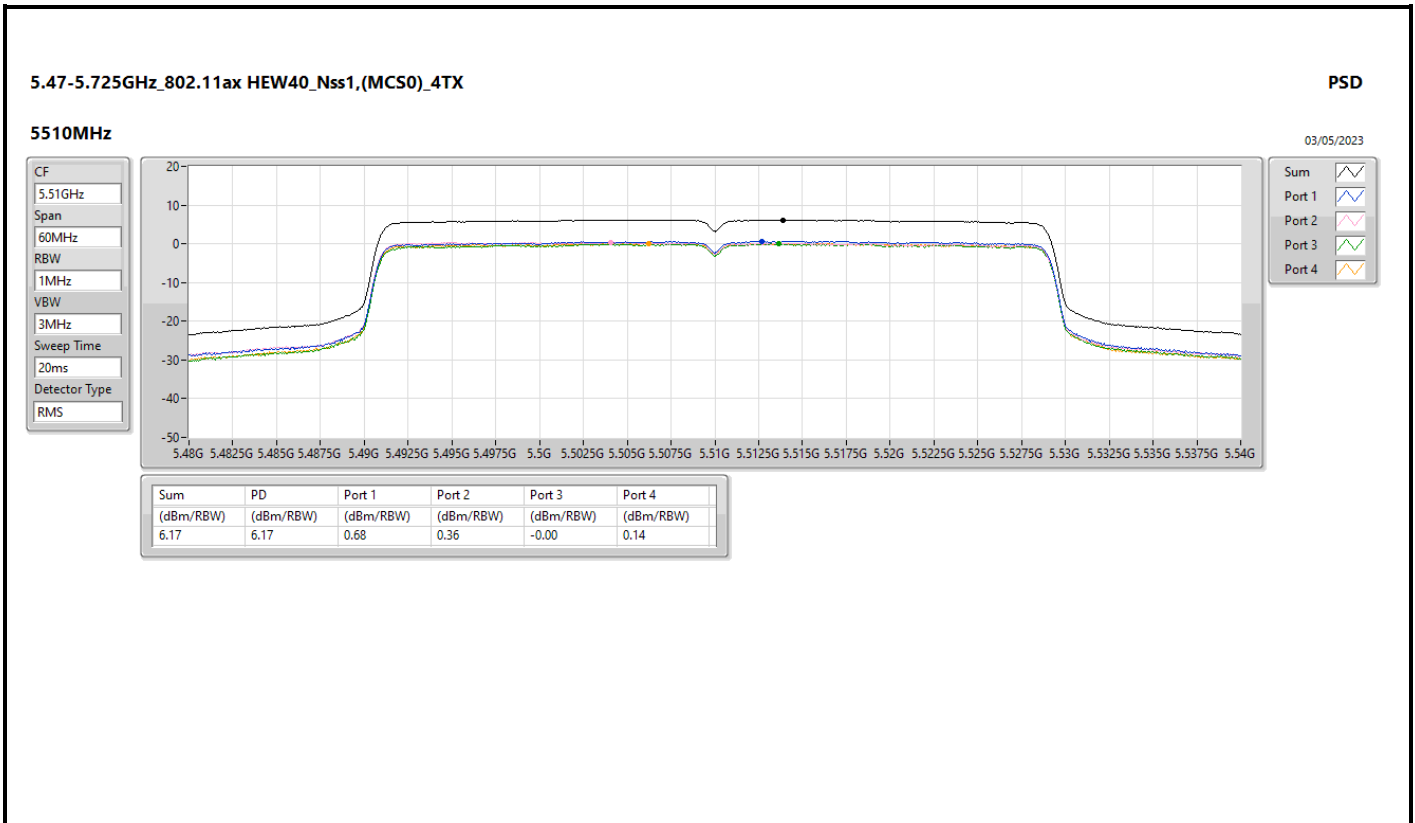




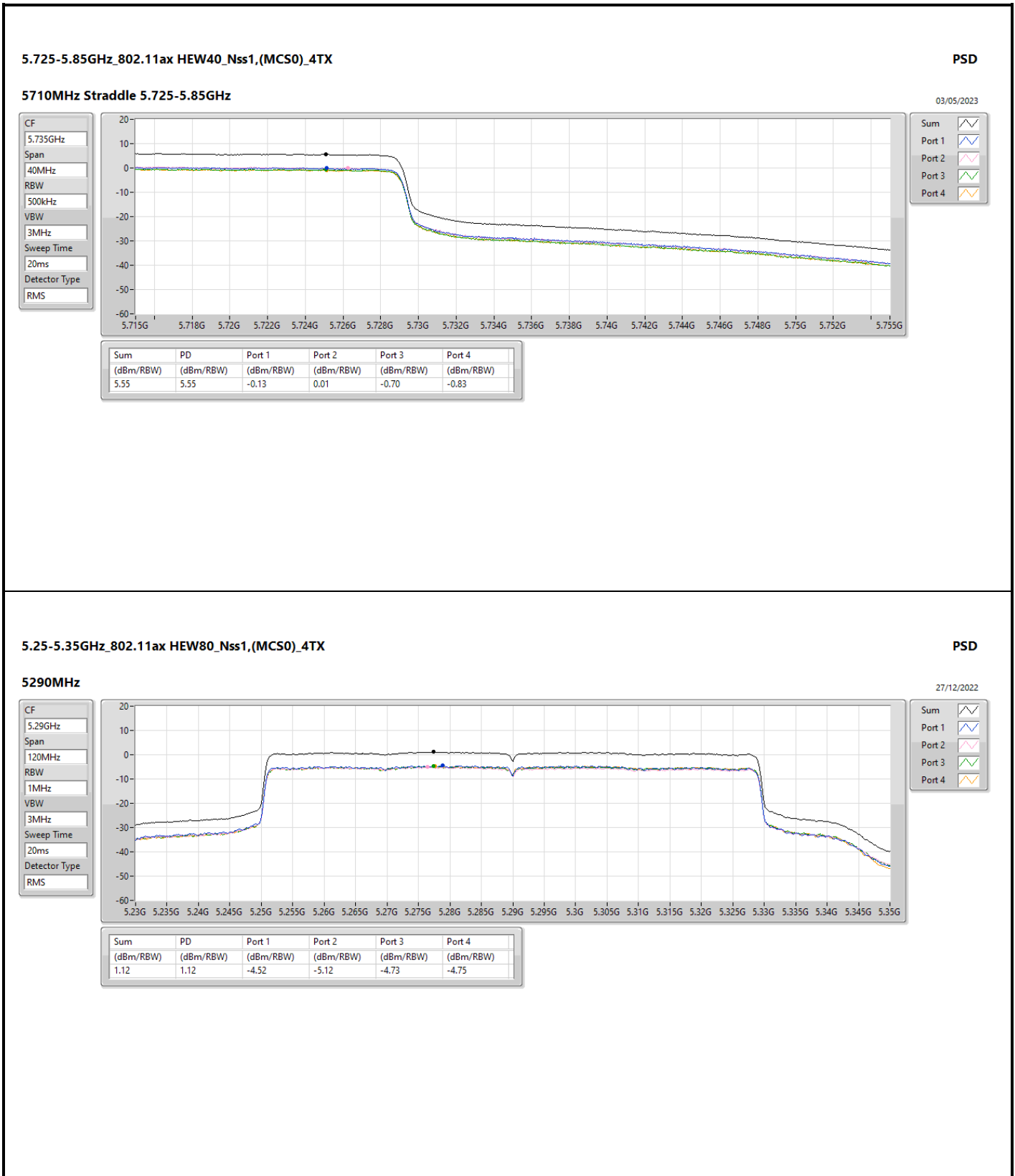












5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

27/12/2022

CF
5.29GHz

Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

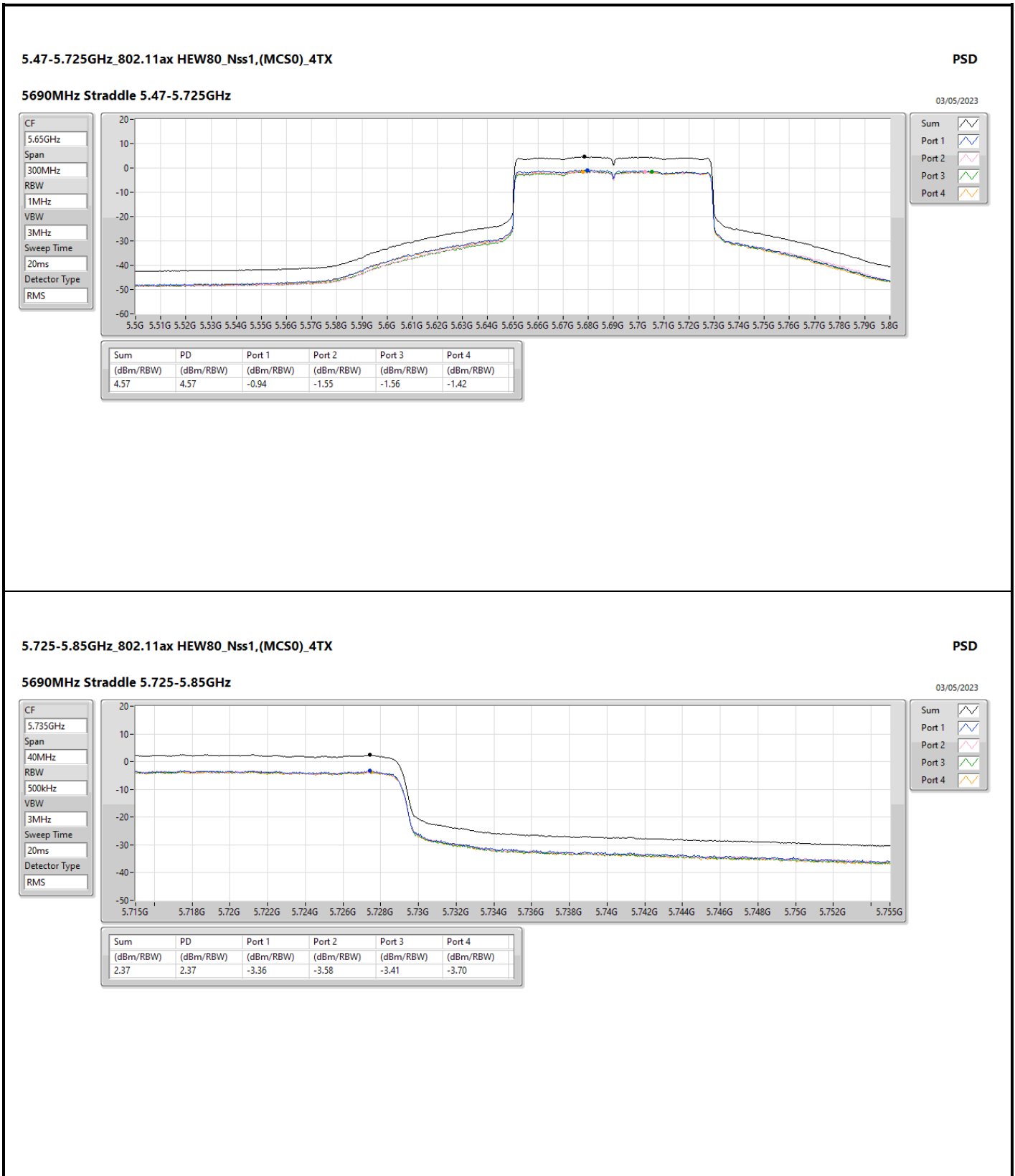
Port 2 

Port 3 

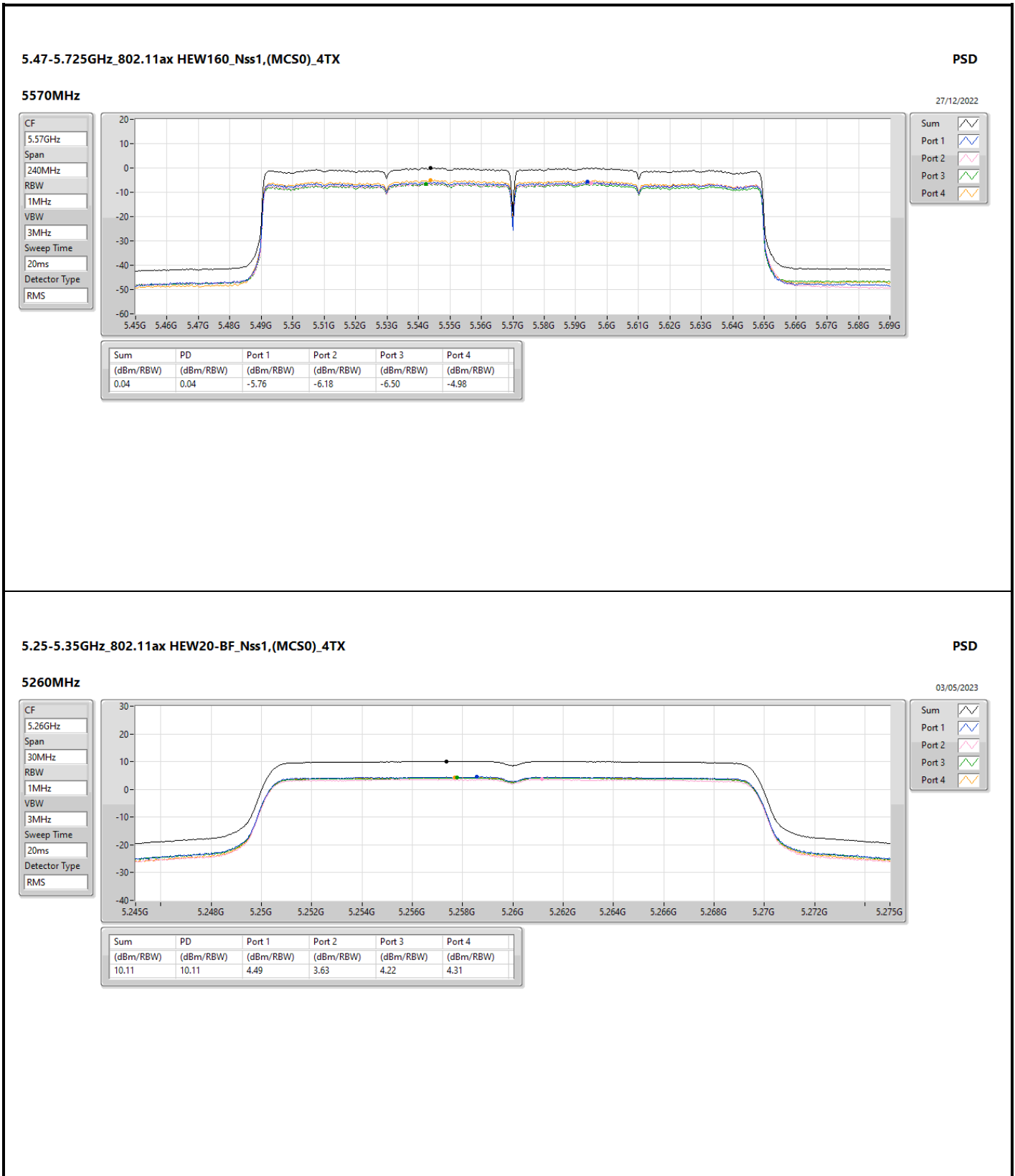
Port 4 

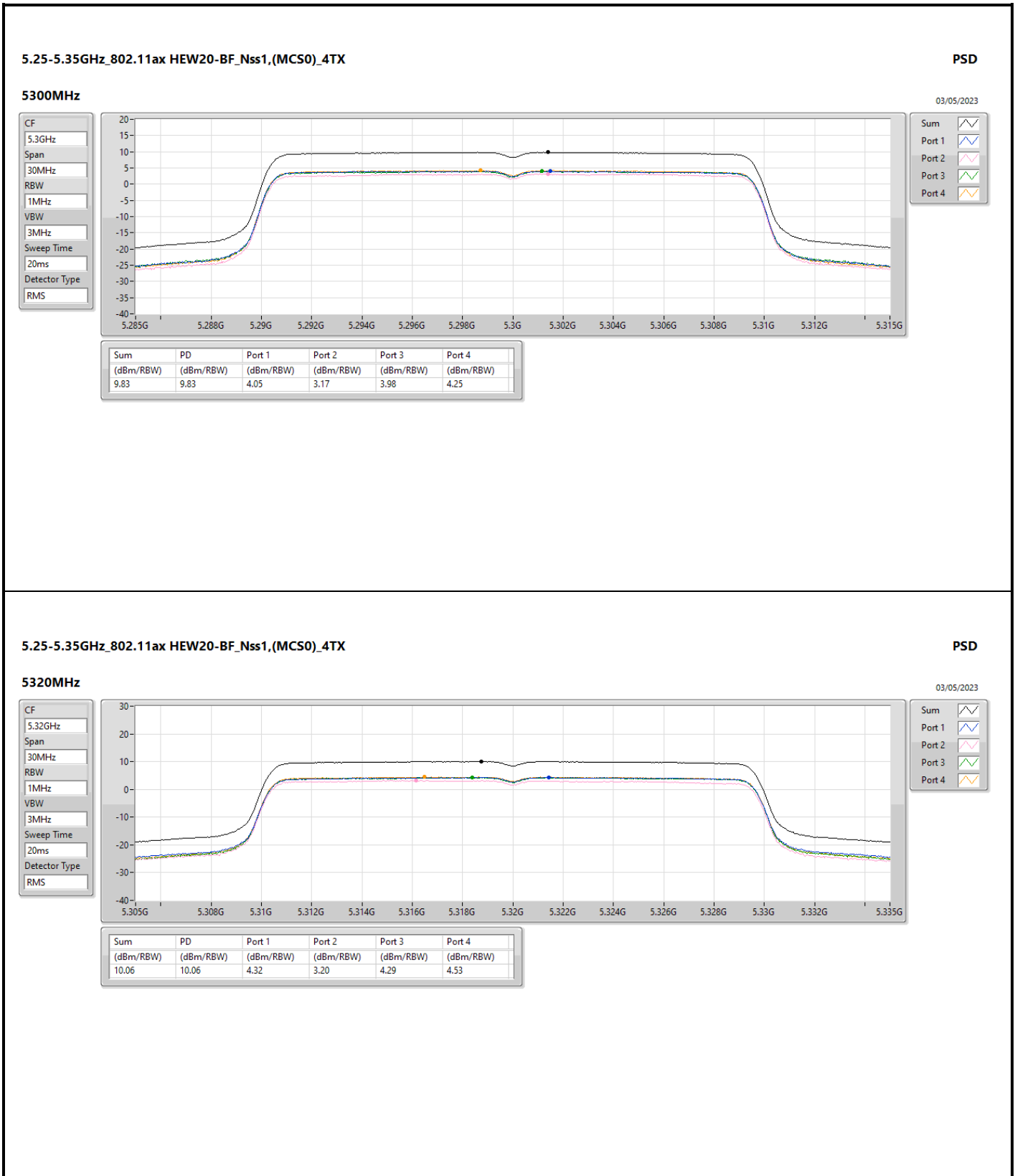
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.12	1.12	-4.52	-5.12	-4.73	-4.75

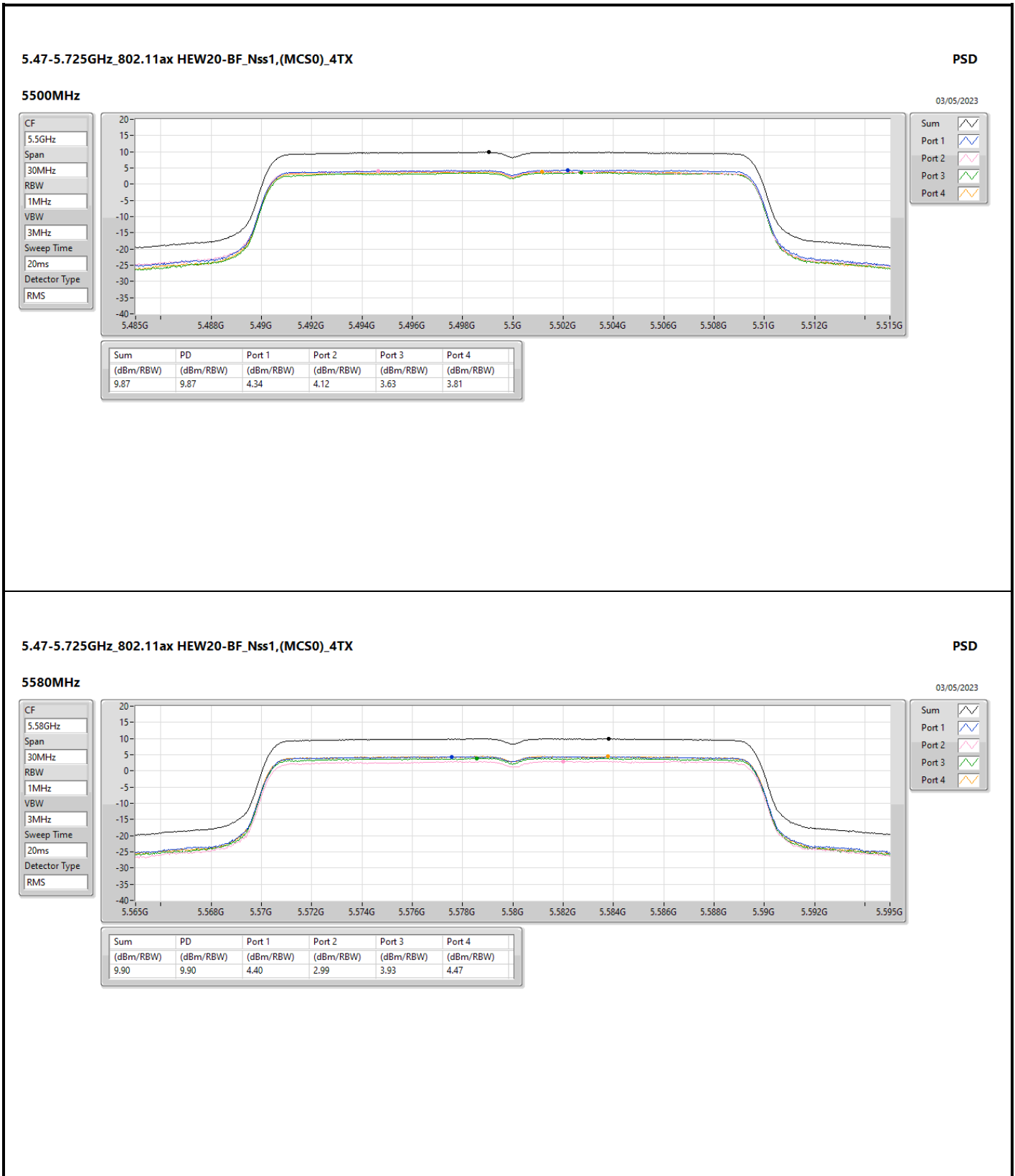


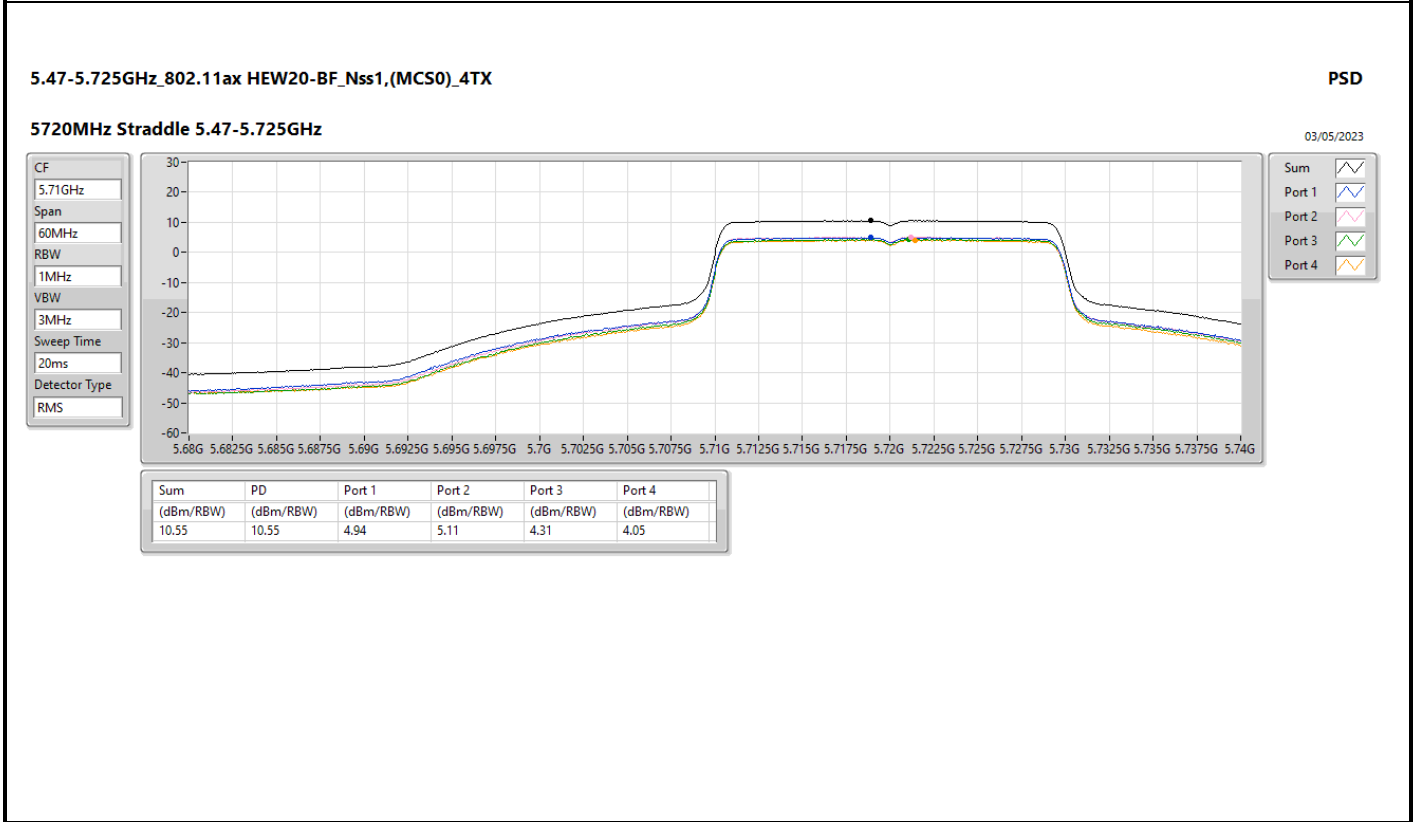
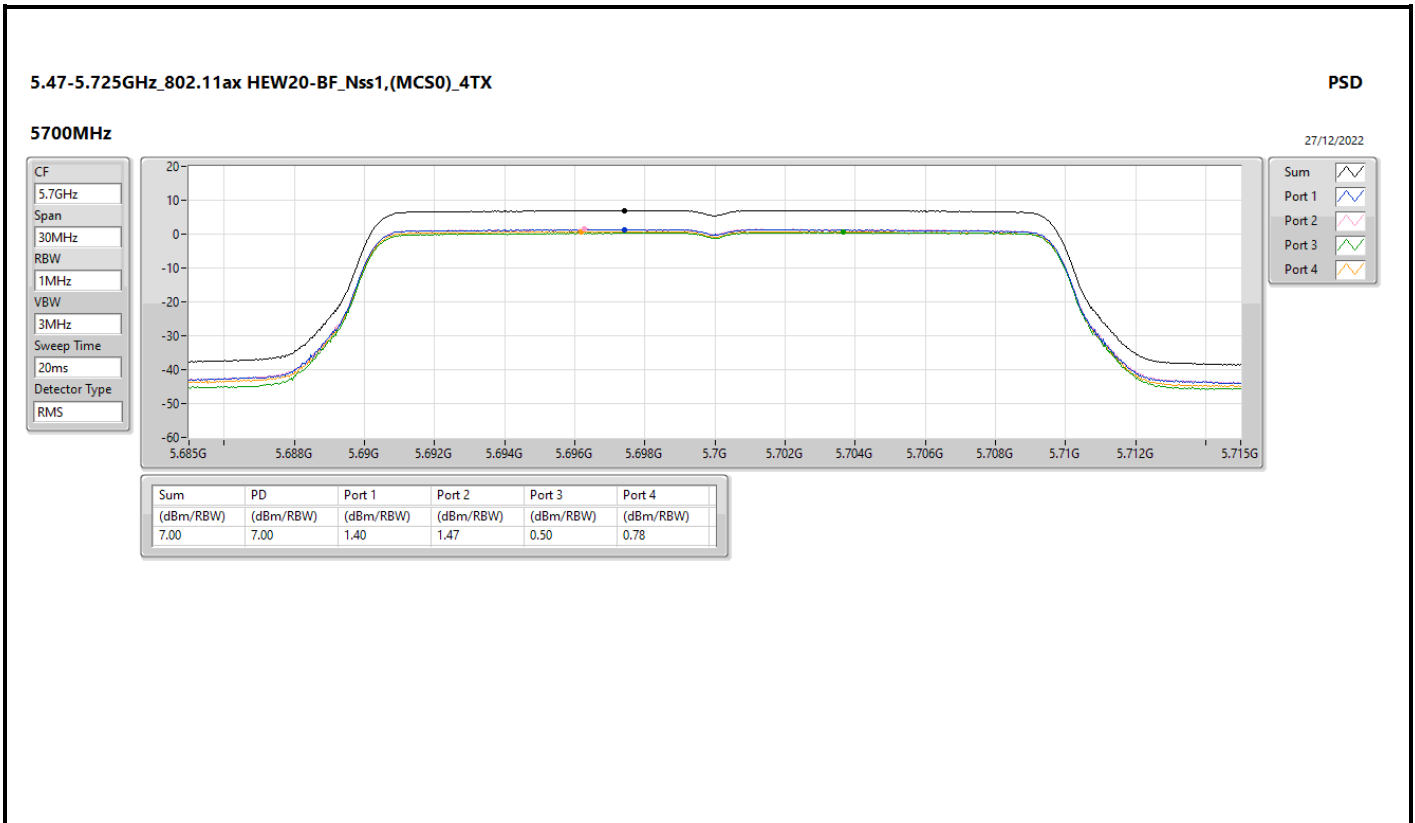


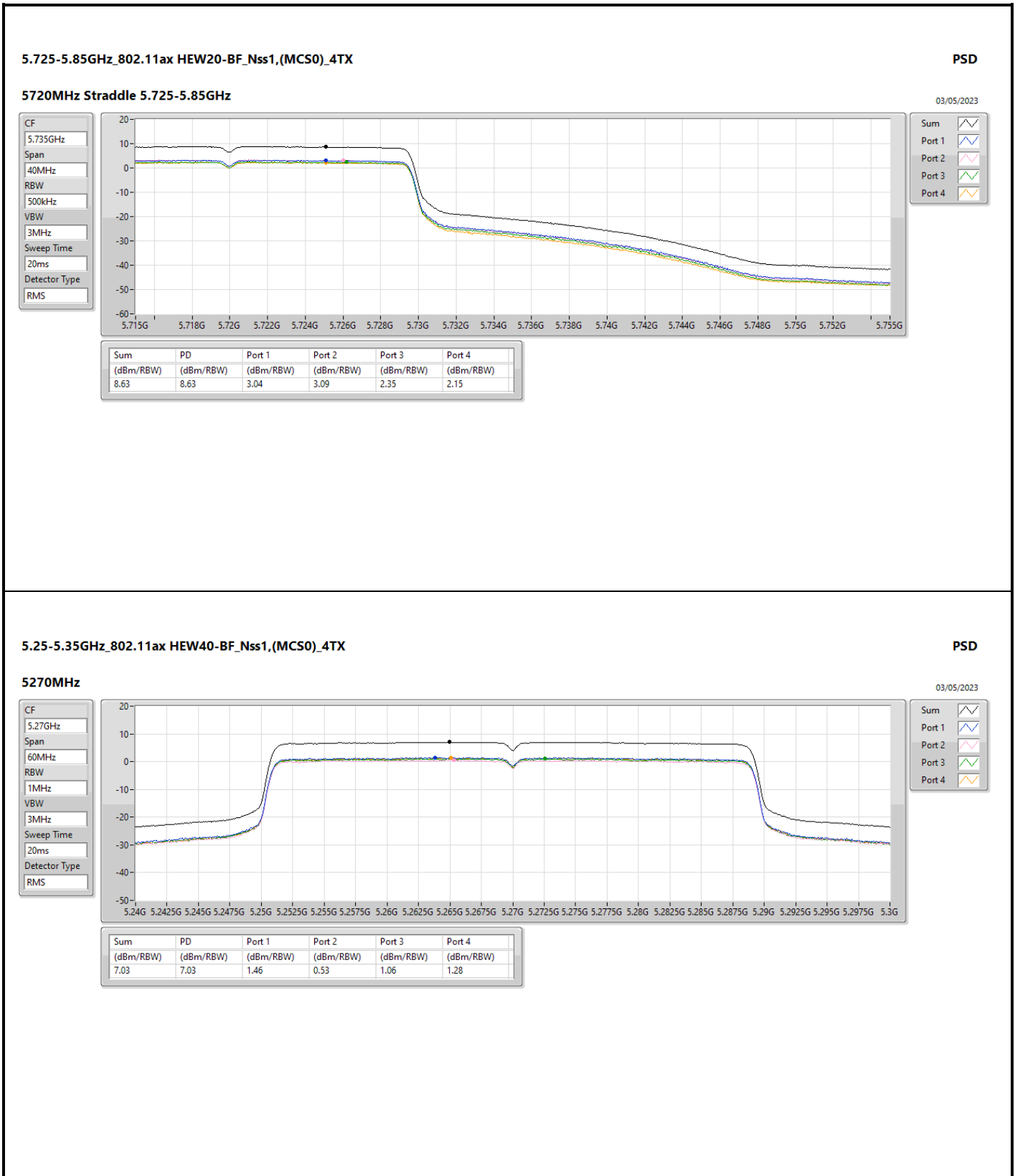


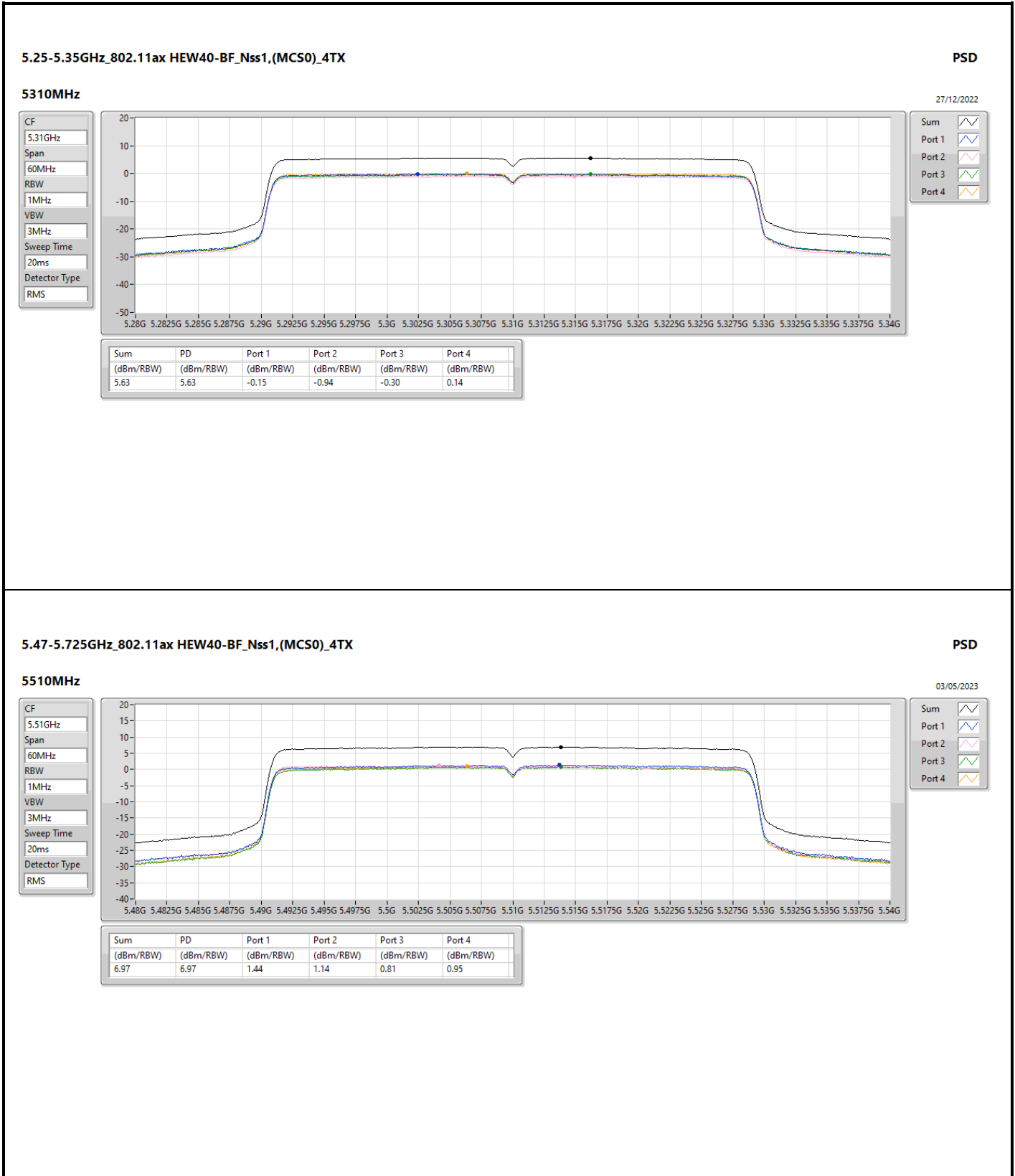












5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

03/05/2023

CF
5.51GHz

Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

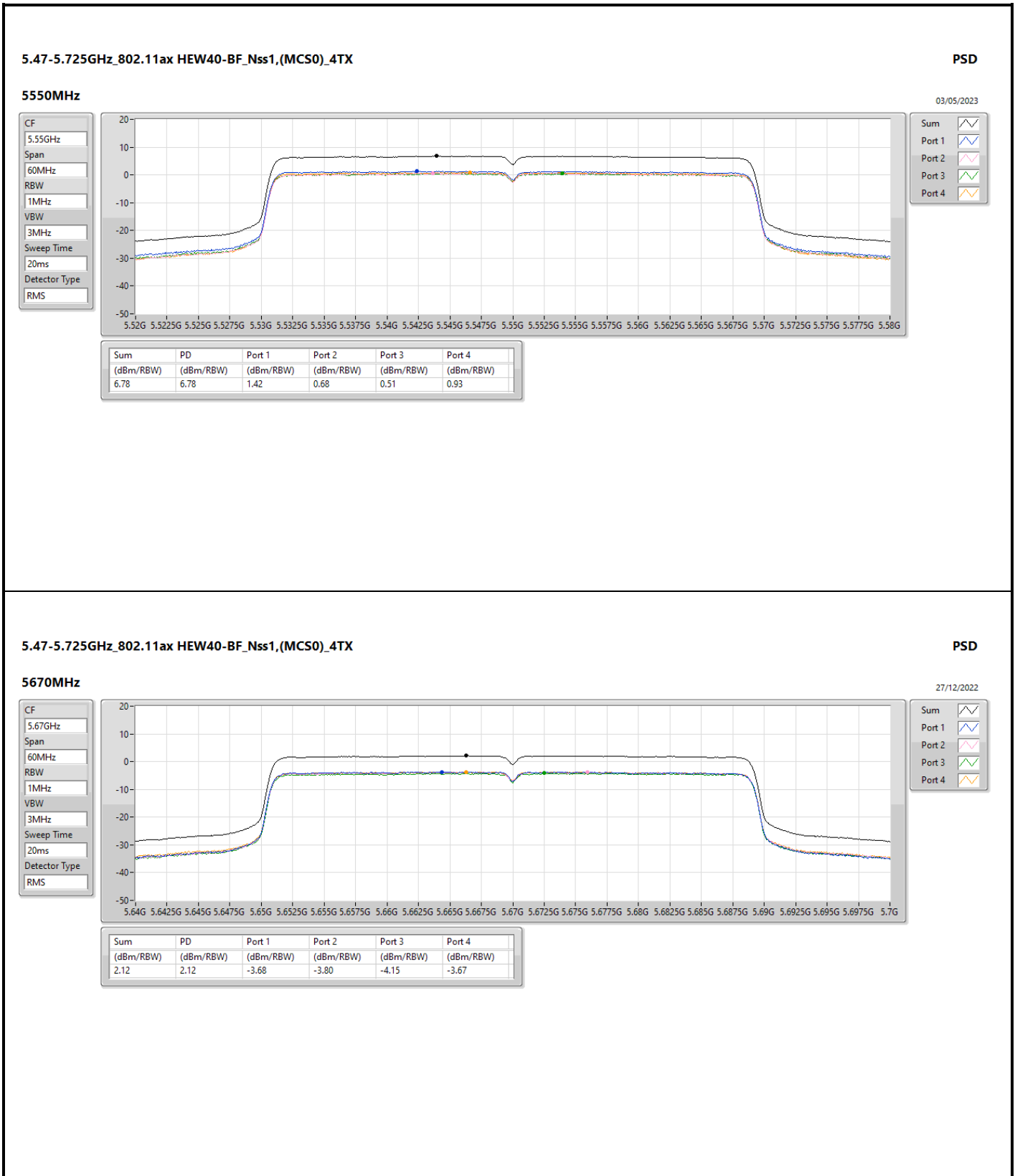
Port 1

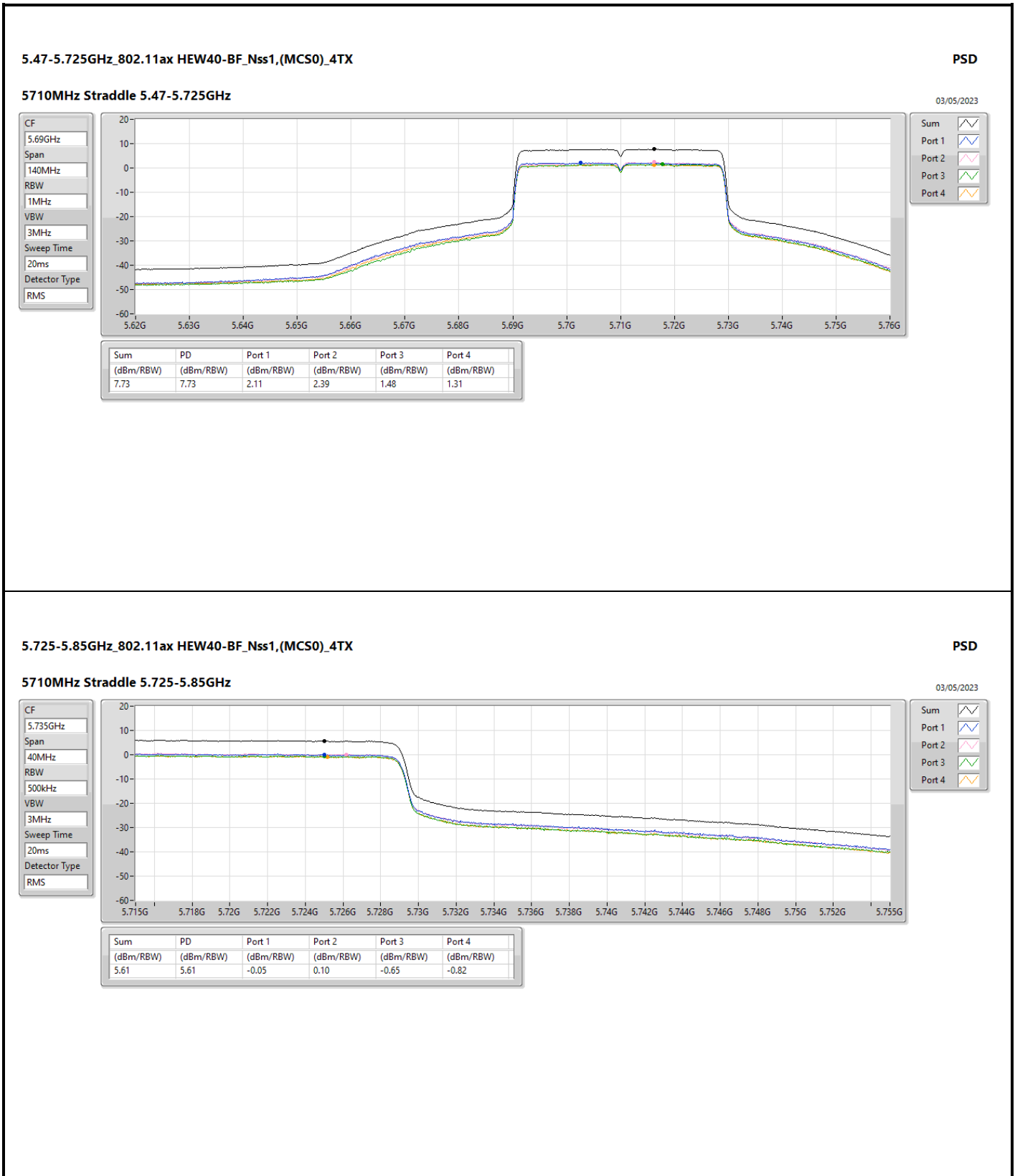
Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.97	6.97	1.44	1.14	0.81	0.95







5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

03/05/2023

CF

5.53GHz

Span

120MHz

RBW

1MHz

VBW

3MHz

Sweep Time

20ms

Detector Type

RMS



Sum

Port 1

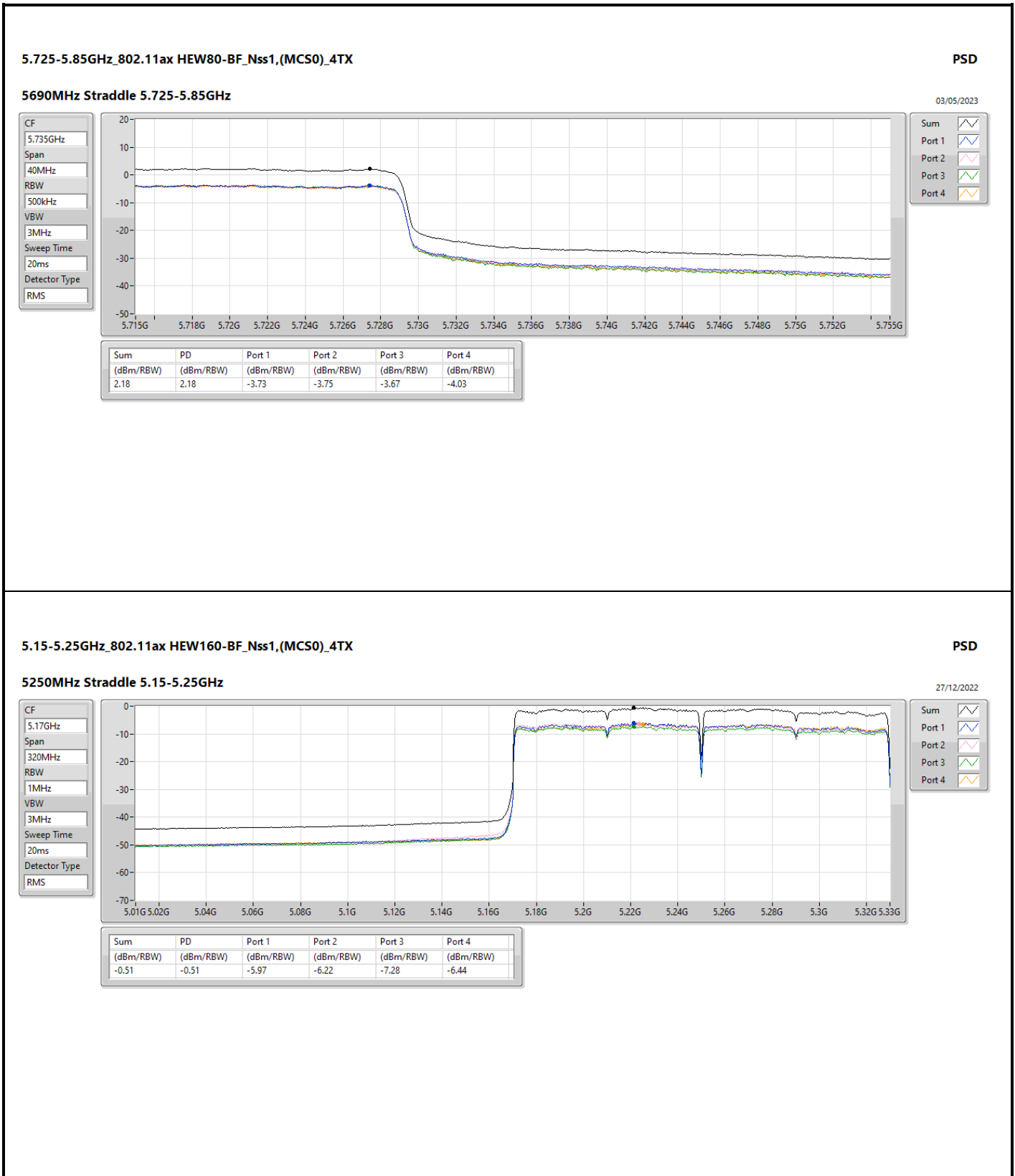
Port 2

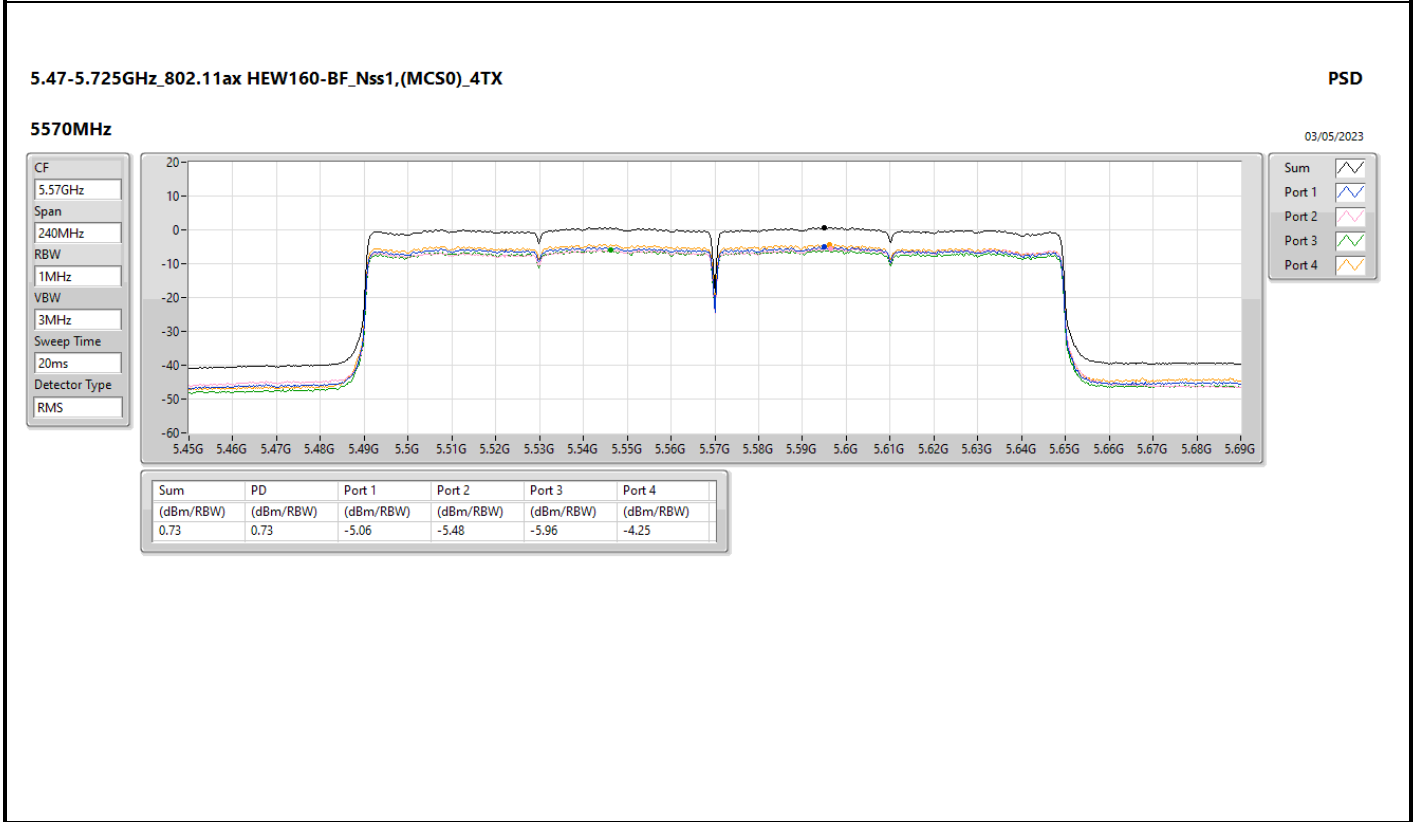
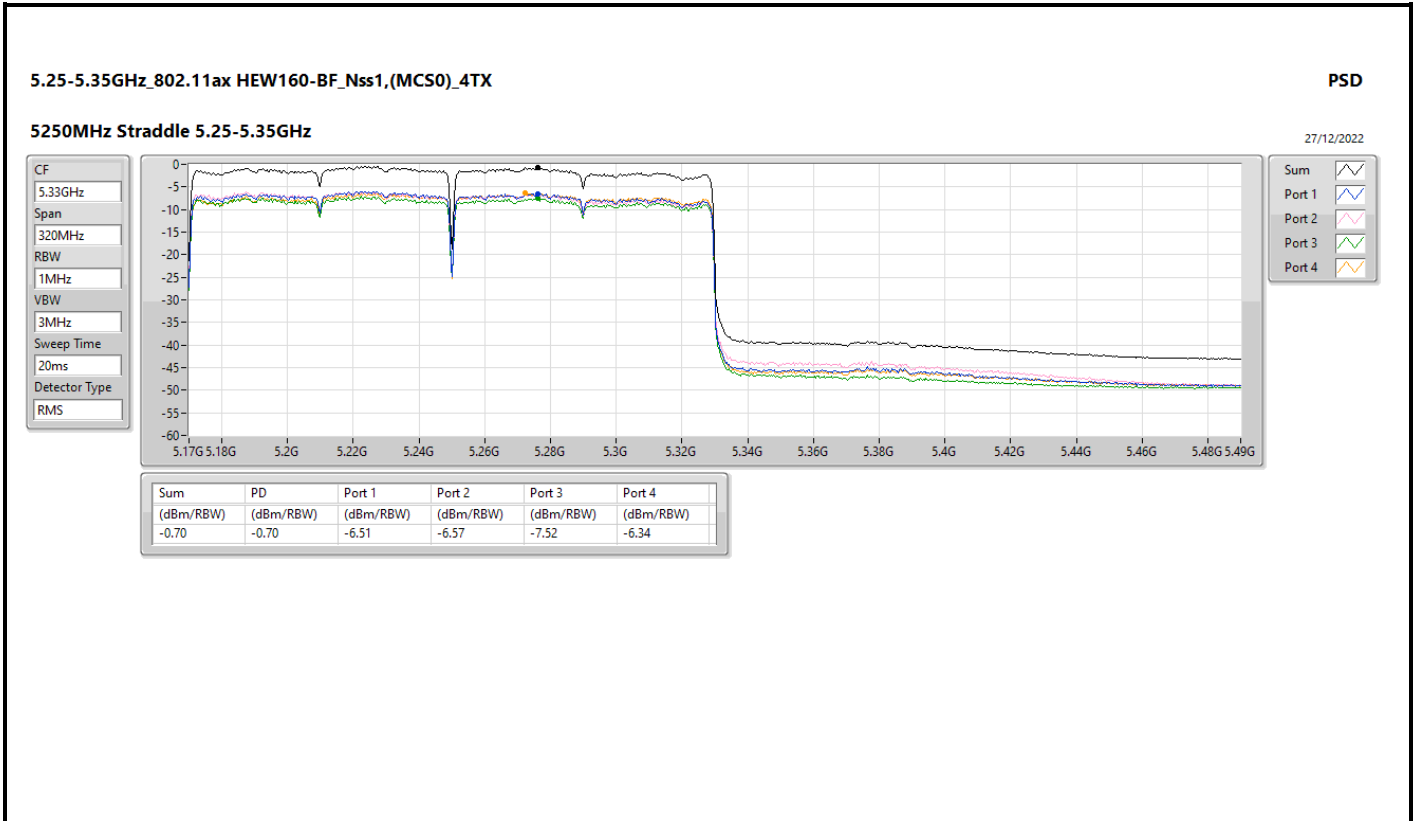
Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.92	3.92	-1.42	-2.25	-2.16	-2.02







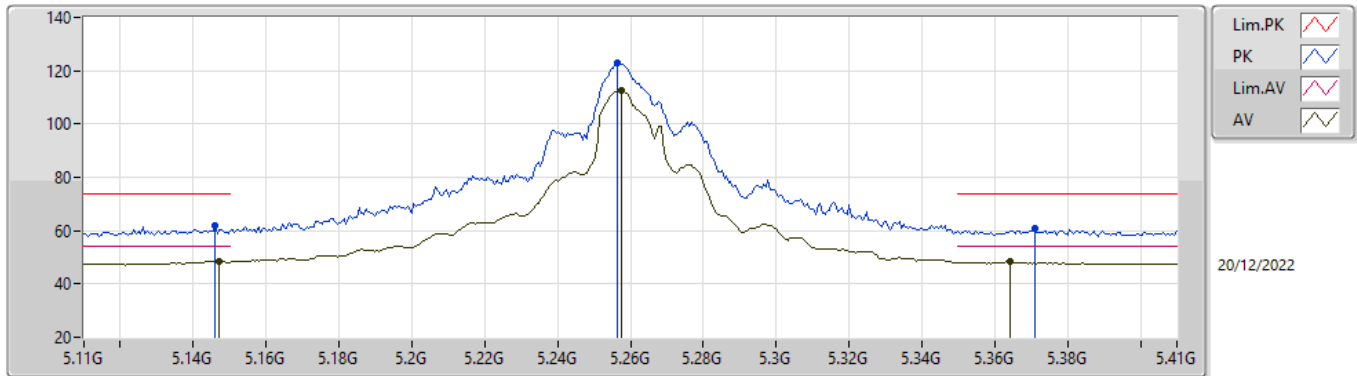


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	PK	5.7256G	68.11	68.20	-0.09	3	Horizontal	242	1.93	-

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

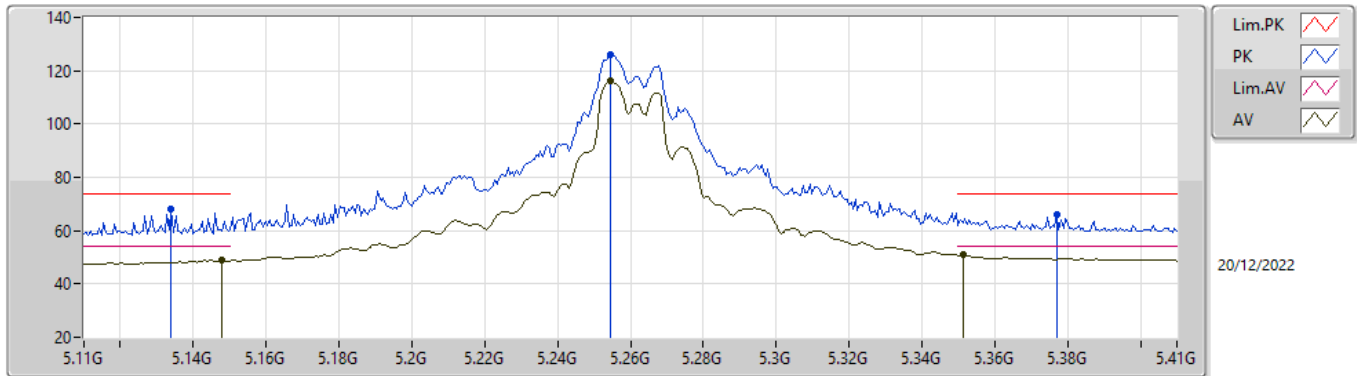


EUTY_4TX
Setting 105
04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.146G	61.64	74.00	-12.36	55.80	3	Vertical	100	2.02	-	32.91	5.45	32.52
AV	5.1472G	48.47	54.00	-5.53	42.63	3	Vertical	100	2.02	-	32.91	5.45	32.52
PK	5.2564G	122.76	Inf	-Inf	116.69	3	Vertical	100	2.02	-	33.03	5.53	32.49
AV	5.2576G	112.55	Inf	-Inf	106.48	3	Vertical	100	2.02	-	33.03	5.53	32.49
PK	5.371G	60.65	74.00	-13.35	54.24	3	Vertical	100	2.02	-	33.28	5.59	32.46
AV	5.3644G	48.23	54.00	-5.77	41.86	3	Vertical	100	2.02	-	33.26	5.58	32.47

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

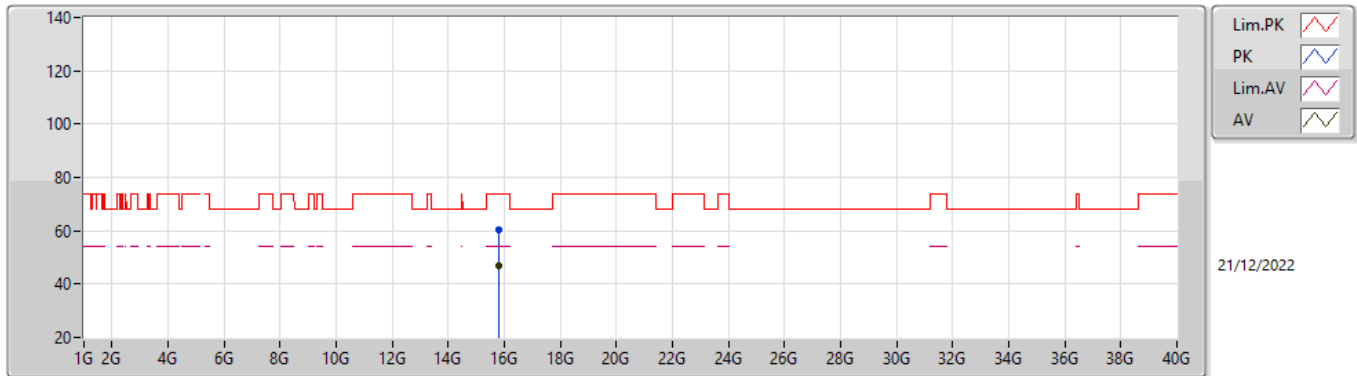


EUT_Y_4TX
 Setting 105
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.134G	67.91	74.00	-6.09	62.08	3	Horizontal	249	1.78	-	32.93	5.43	32.53
AV	5.1478G	48.78	54.00	-5.22	42.95	3	Horizontal	249	1.78	-	32.90	5.45	32.52
PK	5.2546G	125.98	Inf	-Inf	119.92	3	Horizontal	249	1.78	-	33.02	5.53	32.49
AV	5.2546G	115.99	Inf	-Inf	109.93	3	Horizontal	249	1.78	-	33.02	5.53	32.49
PK	5.377G	66.11	74.00	-7.89	59.67	3	Horizontal	249	1.78	-	33.31	5.59	32.46
AV	5.3512G	50.78	54.00	-3.22	44.47	3	Horizontal	249	1.78	-	33.20	5.58	32.47

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

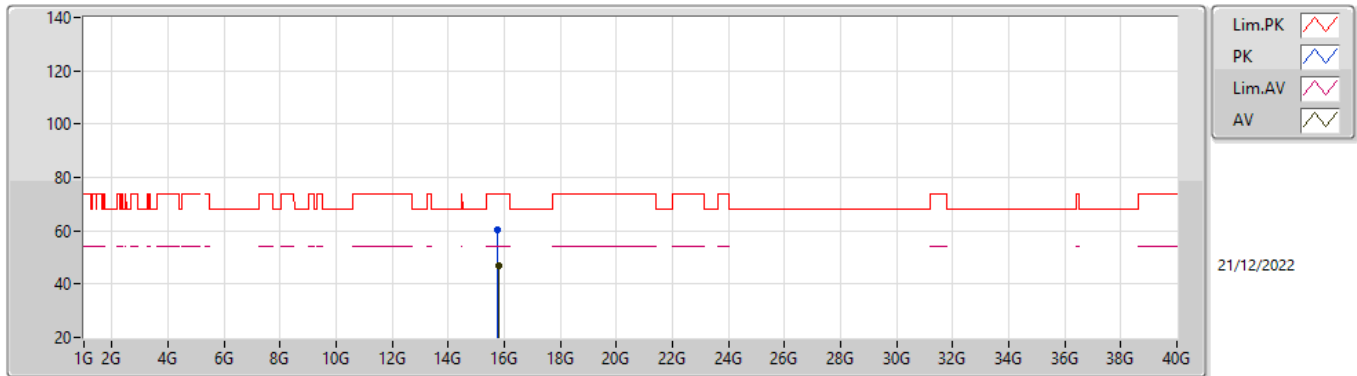


EUTY_4TX
 Setting 105
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.7795G	60.44	74.00	-13.56	45.67	3	Vertical	354	1.90	-	38.44	10.22	33.89
AV	15.7845G	46.99	54.00	-7.01	32.21	3	Vertical	354	1.90	-	38.45	10.22	33.89

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5260MHz_TX

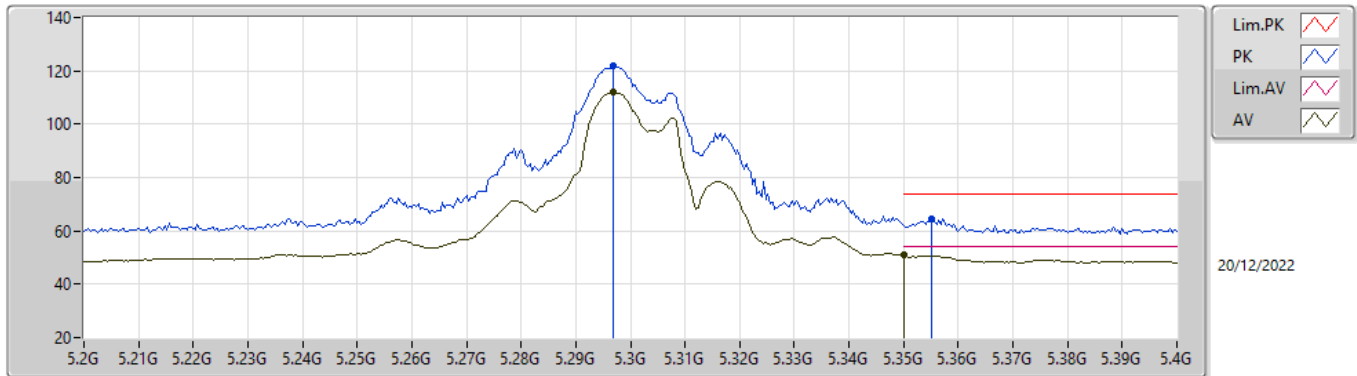


EUTY_4TX
 Setting 105
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.77852G	60.29	74.00	-13.71	45.52	3	Horizontal	168	1.22	-	38.44	10.22	33.89
AV	15.7842G	47.00	54.00	-7.00	32.22	3	Horizontal	168	1.22	-	38.45	10.22	33.89

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5300MHz_TX

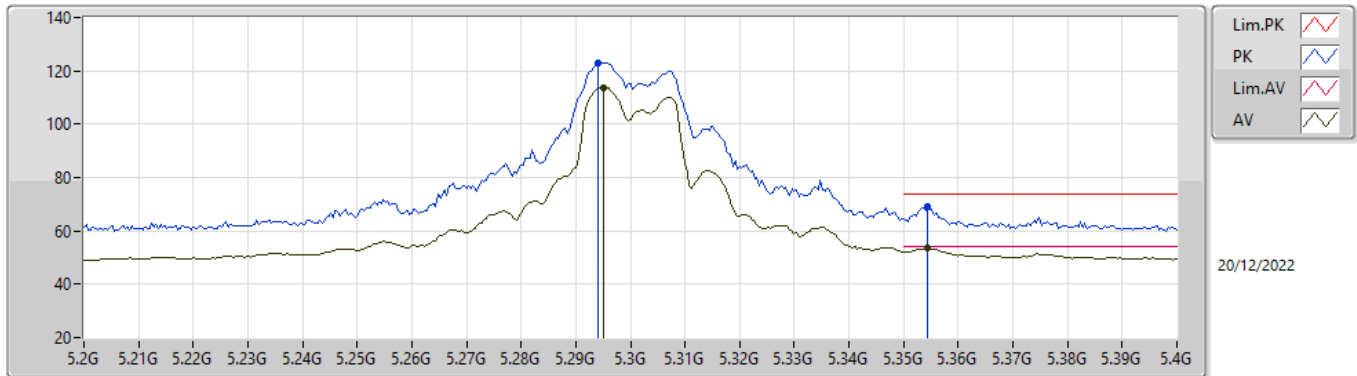


EUTY_4TX
 Setting 99
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.2968G	121.76	Inf	-Inf	115.50	3	Vertical	37	3.00	-	33.19	5.55	32.48
AV	5.2968G	111.95	Inf	-Inf	105.69	3	Vertical	37	3.00	-	33.19	5.55	32.48
PK	5.3552G	64.73	74.00	-9.27	58.40	3	Vertical	37	3.00	-	33.22	5.58	32.47
AV	5.35G	50.78	54.00	-3.22	44.47	3	Vertical	37	3.00	-	33.20	5.58	32.47

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5300MHz_TX

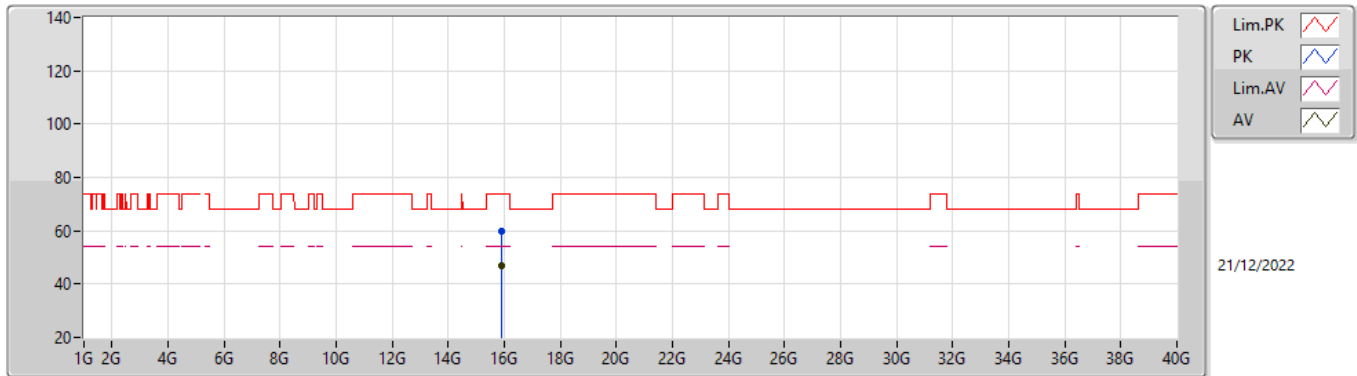


EUTY_4TX
 Setting 99
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.294G	122.96	Inf	-Inf	116.71	3	Horizontal	250	1.80	-	33.18	5.55	32.48
AV	5.2952G	113.67	Inf	-Inf	107.42	3	Horizontal	250	1.80	-	33.18	5.55	32.48
PK	5.3544G	68.93	74.00	-5.07	62.60	3	Horizontal	250	1.80	-	33.22	5.58	32.47
AV	5.3544G	53.76	54.00	-0.24	47.43	3	Horizontal	250	1.80	-	33.22	5.58	32.47

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5300MHz_TX

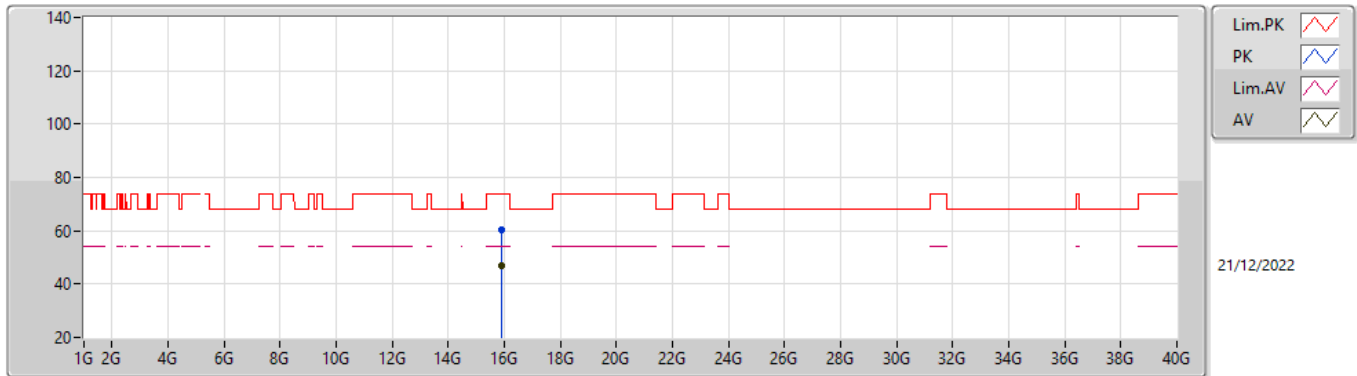


EUTY_4TX
 Setting 99
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.89596G	60.00	74.00	-14.00	45.10	3	Vertical	189	2.61	-	38.60	10.26	33.96
AV	15.89638G	46.92	54.00	-7.08	32.02	3	Vertical	189	2.61	-	38.60	10.26	33.96

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5300MHz_TX

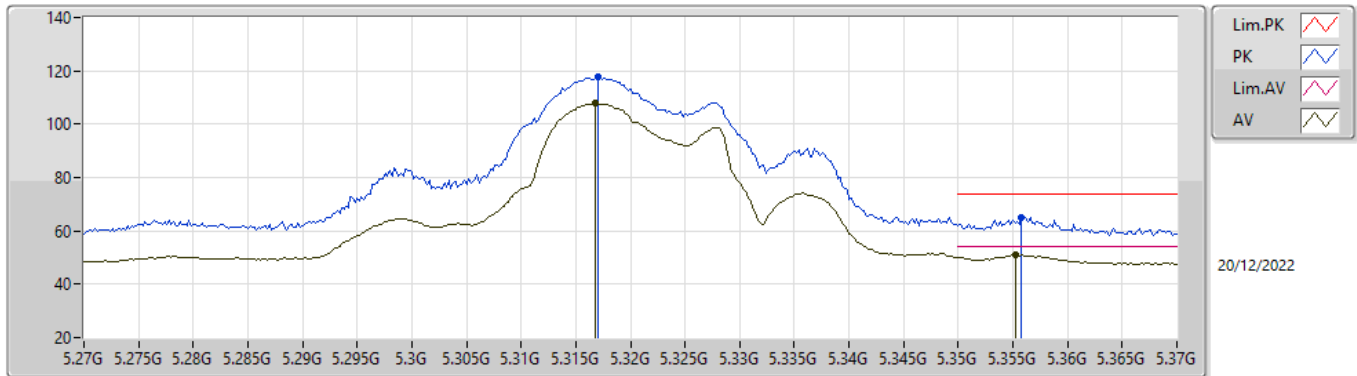


EUTY_4TX
 Setting 99
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.8971G	60.52	74.00	-13.48	45.62	3	Horizontal	122	1.07	-	38.60	10.26	33.96
AV	15.89732G	47.01	54.00	-6.99	32.11	3	Horizontal	122	1.07	-	38.60	10.26	33.96

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

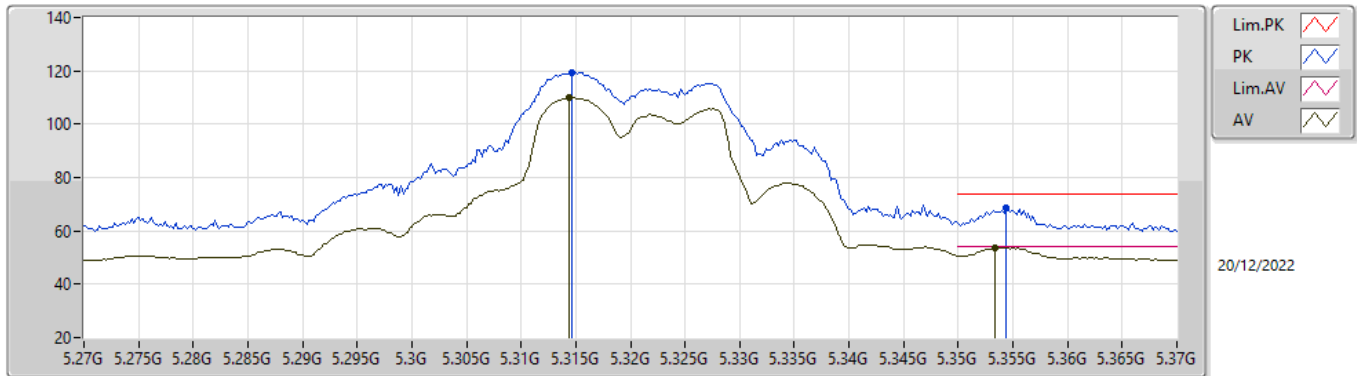


EUTY_4TX
Setting 81
04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.317G	117.66	Inf	-Inf	111.38	3	Vertical	36	2.95	-	33.20	5.56	32.48
AV	5.3168G	107.71	Inf	-Inf	101.43	3	Vertical	36	2.95	-	33.20	5.56	32.48
PK	5.3558G	65.05	74.00	-8.95	58.72	3	Vertical	36	2.95	-	33.22	5.58	32.47
AV	5.3552G	51.04	54.00	-2.96	44.71	3	Vertical	36	2.95	-	33.22	5.58	32.47

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

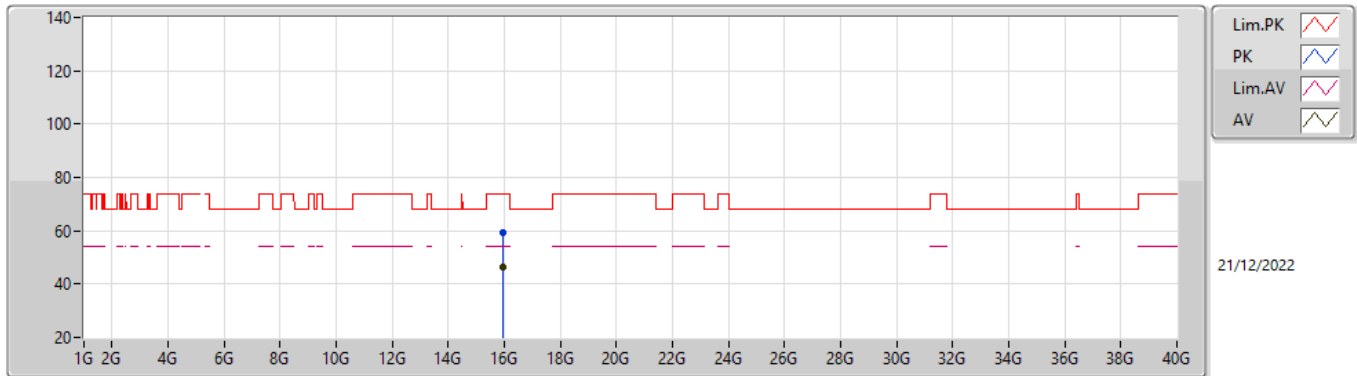


EUTY_4TX
 Setting 81
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3146G	119.32	Inf	-Inf	113.04	3	Horizontal	249	1.74	-	33.20	5.56	32.48
AV	5.3144G	109.83	Inf	-Inf	103.55	3	Horizontal	249	1.74	-	33.20	5.56	32.48
PK	5.3544G	68.58	74.00	-5.42	62.25	3	Horizontal	249	1.74	-	33.22	5.58	32.47
AV	5.3534G	53.78	54.00	-0.22	47.46	3	Horizontal	249	1.74	-	33.21	5.58	32.47

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

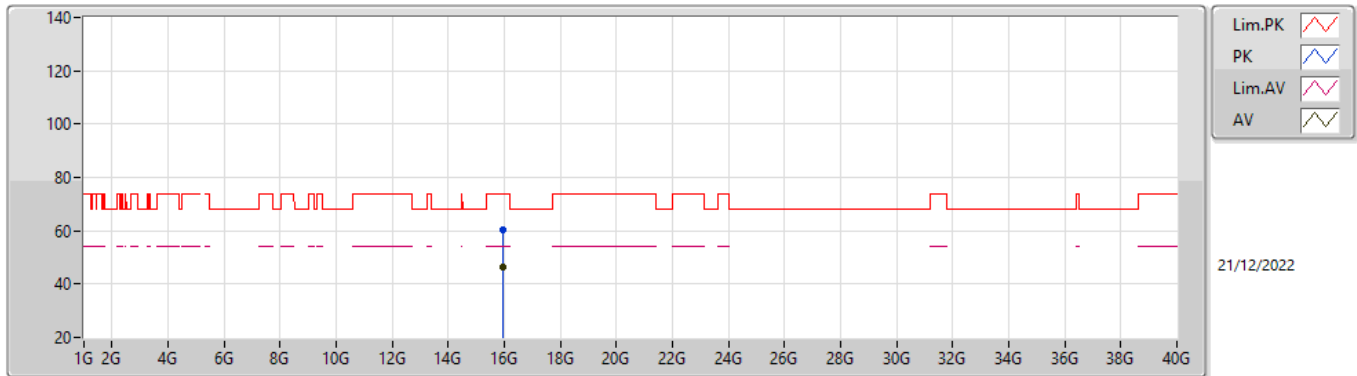


EUTY_4TX
 Setting 81
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.96042G	59.44	74.00	-14.56	44.61	3	Vertical	243	2.17	-	38.54	10.29	34.00
AV	15.95666G	46.55	54.00	-7.45	31.73	3	Vertical	243	2.17	-	38.54	10.28	34.00

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

5320MHz_TX

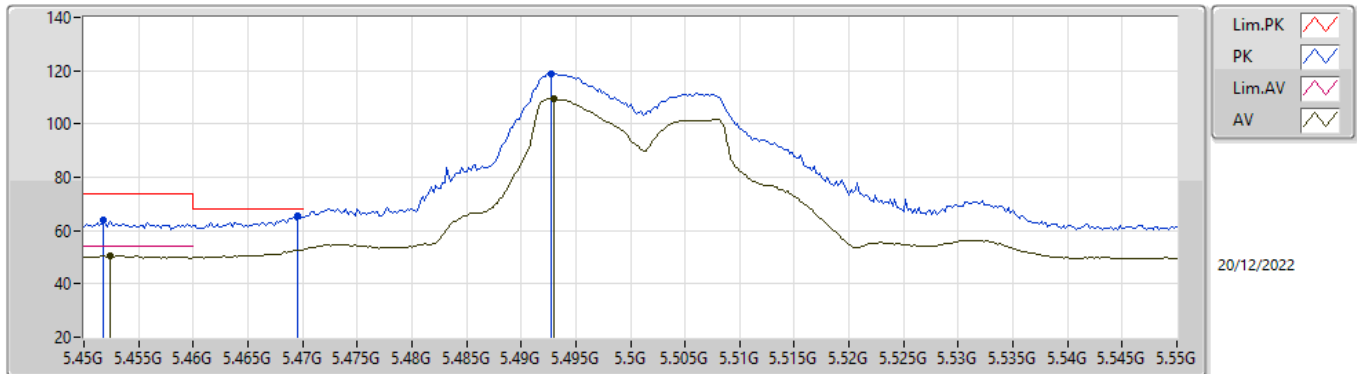


EUTY_4TX
 Setting 81
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.96244G	60.32	74.00	-13.68	45.50	3	Horizontal	47	1.76	-	38.54	10.29	34.01
AV	15.96186G	46.46	54.00	-7.54	31.64	3	Horizontal	47	1.76	-	38.54	10.29	34.01

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

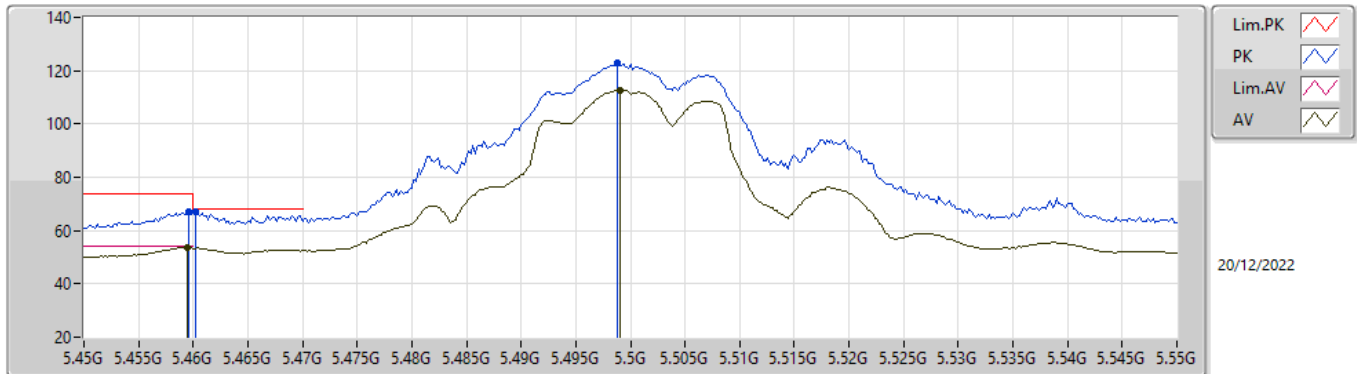


EUT Y_4TX
 Setting 90
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4518G	63.81	74.00	-10.19	56.95	3	Vertical	281	2.04	-	33.70	5.60	32.44
AV	5.4524G	50.37	54.00	-3.63	43.51	3	Vertical	281	2.04	-	33.70	5.60	32.44
PK	5.4696G	65.55	68.20	-2.65	58.65	3	Vertical	281	2.04	-	33.74	5.60	32.44
PK	5.4928G	119.04	Inf	-Inf	112.08	3	Vertical	281	2.04	-	33.79	5.60	32.43
AV	5.493G	109.46	Inf	-Inf	102.50	3	Vertical	281	2.04	-	33.79	5.60	32.43

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

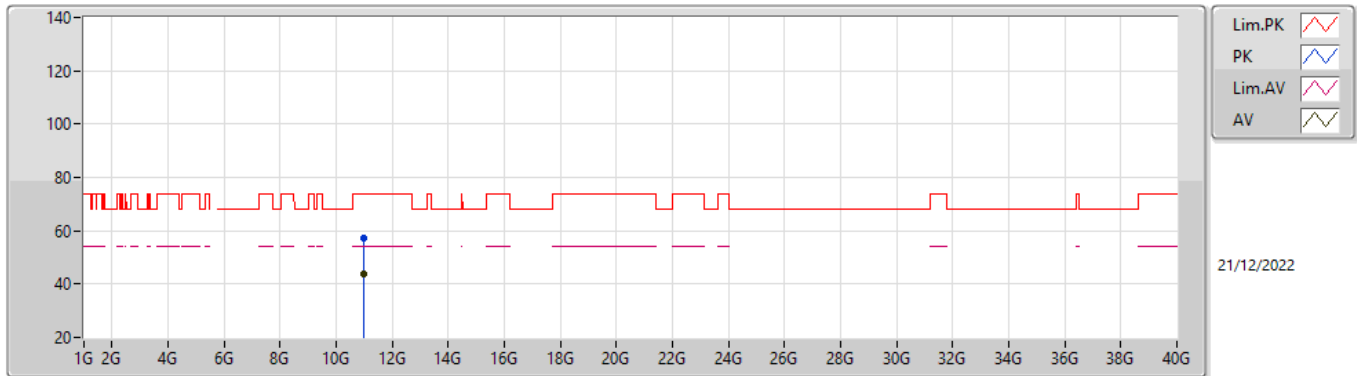


EUT Y_4TX
 Setting 90
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4596G	67.23	74.00	-6.77	60.35	3	Horizontal	238	1.91	-	33.72	5.60	32.44
AV	5.4594G	53.81	54.00	-0.19	46.93	3	Horizontal	238	1.91	-	33.72	5.60	32.44
PK	5.4602G	66.89	68.20	-1.31	60.01	3	Horizontal	238	1.91	-	33.72	5.60	32.44
PK	5.4988G	122.79	Inf	-Inf	115.82	3	Horizontal	238	1.91	-	33.80	5.60	32.43
AV	5.499G	112.76	Inf	-Inf	105.79	3	Horizontal	238	1.91	-	33.80	5.60	32.43

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

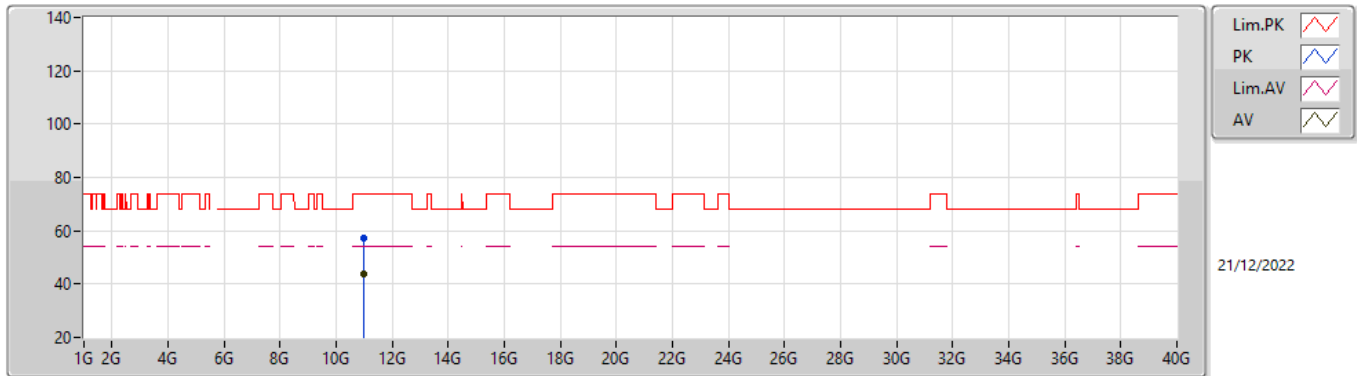


EUTY_4TX
 Setting 90
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.0006G	57.43	74.00	-16.57	43.19	3	Vertical	342	2.15	-	39.40	8.30	33.46
AV	10.9996G	43.76	54.00	-10.24	29.52	3	Vertical	342	2.15	-	39.40	8.30	33.46

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5500MHz_TX

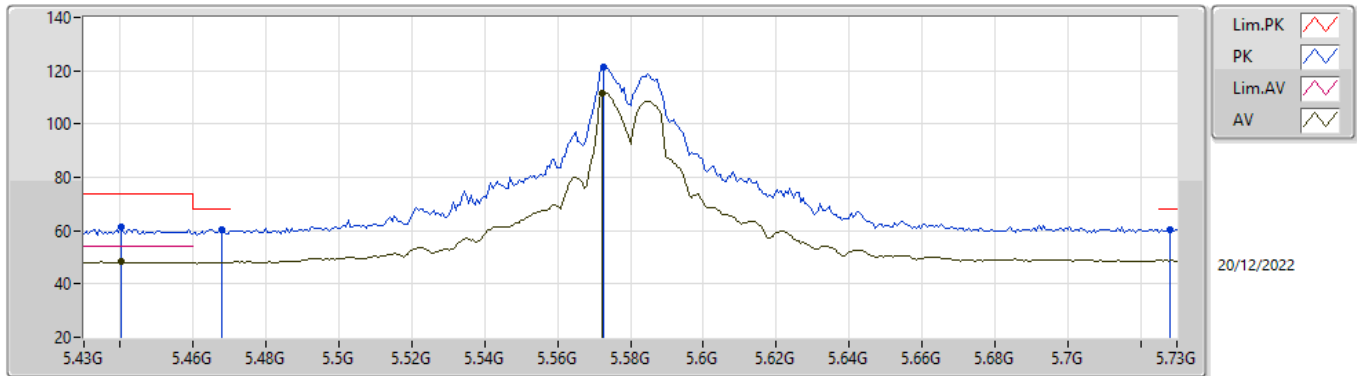


EUTY_4TX
 Setting 90
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.00456G	57.39	74.00	-16.61	43.17	3	Horizontal	358	1.42	-	39.39	8.30	33.47
AV	10.99966G	43.84	54.00	-10.16	29.60	3	Horizontal	358	1.42	-	39.40	8.30	33.46

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

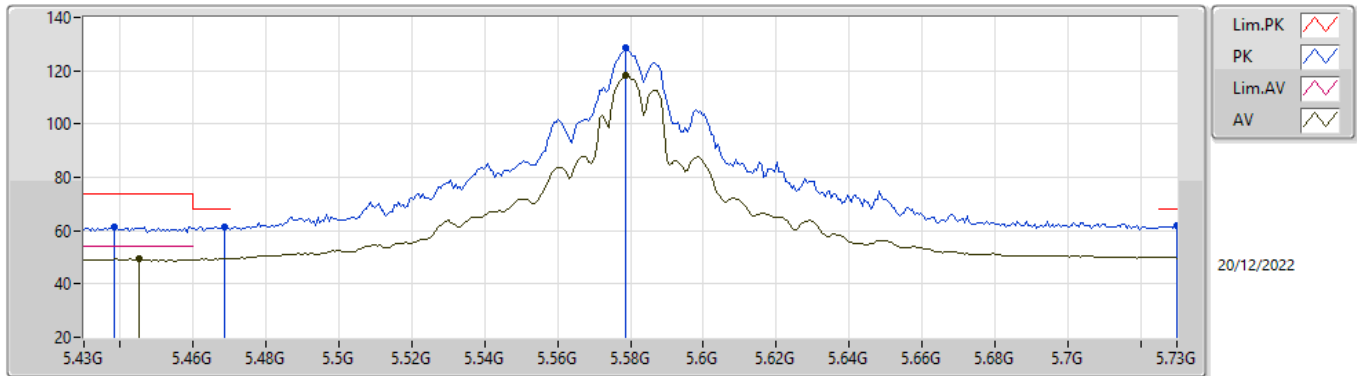


EUT_Y_4TX
 Setting 107
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4402G	61.58	74.00	-12.42	54.79	3	Vertical	283	1.78	-	33.64	5.60	32.45
AV	5.4402G	48.31	54.00	-5.69	41.52	3	Vertical	283	1.78	-	33.64	5.60	32.45
PK	5.4678G	60.47	68.20	-7.73	53.57	3	Vertical	283	1.78	-	33.74	5.60	32.44
PK	5.5728G	121.31	Inf	-Inf	114.17	3	Vertical	283	1.78	-	33.99	5.60	32.45
AV	5.5722G	111.70	Inf	-Inf	104.56	3	Vertical	283	1.78	-	33.99	5.60	32.45
PK	5.7282G	60.54	68.20	-7.66	53.12	3	Vertical	283	1.78	-	34.26	5.66	32.50

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

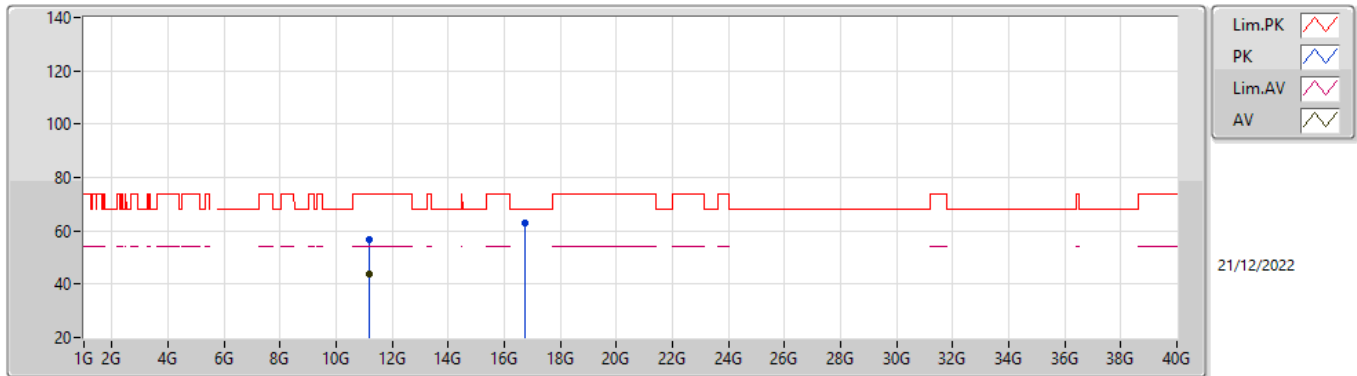


EUT_Y_4TX
 Setting 107
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4384G	61.38	74.00	-12.62	54.60	3	Horizontal	239	2.03	-	33.63	5.60	32.45
AV	5.445G	49.32	54.00	-4.68	42.49	3	Horizontal	239	2.03	-	33.67	5.60	32.44
PK	5.4684G	61.39	68.20	-6.81	54.49	3	Horizontal	239	2.03	-	33.74	5.60	32.44
PK	5.5788G	128.54	Inf	-Inf	121.37	3	Horizontal	239	2.03	-	34.02	5.60	32.45
AV	5.5788G	118.26	Inf	-Inf	111.09	3	Horizontal	239	2.03	-	34.02	5.60	32.45
PK	5.73G	61.91	68.20	-6.29	54.48	3	Horizontal	239	2.03	-	34.26	5.67	32.50

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

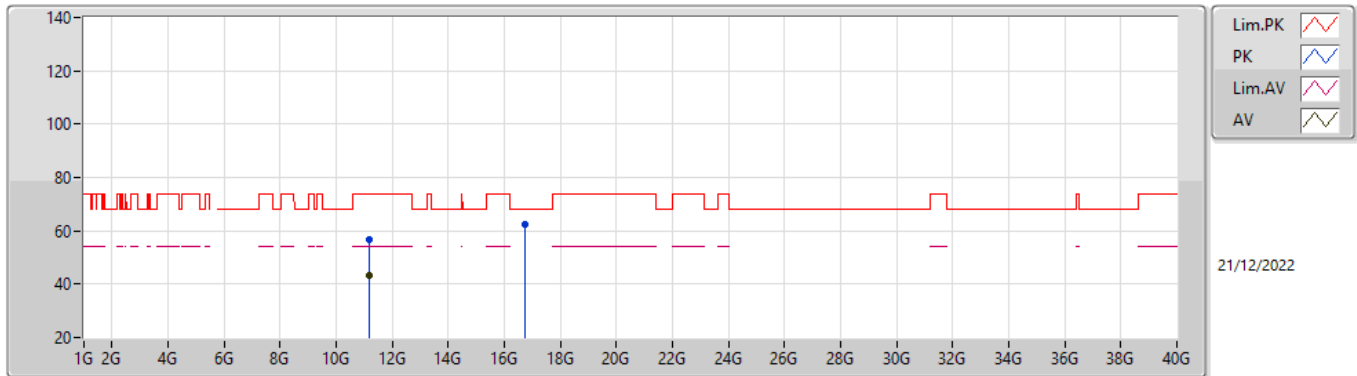


EUTY_4TX
 Setting 107
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1623G	56.69	74.00	-17.31	42.80	3	Vertical	285	1.09	-	39.20	8.35	33.66
AV	11.16064G	43.78	54.00	-10.22	29.89	3	Vertical	285	1.09	-	39.20	8.35	33.66
PK	16.74036G	63.00	68.20	-5.20	45.90	3	Vertical	219	1.80	-	39.92	10.78	33.60

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

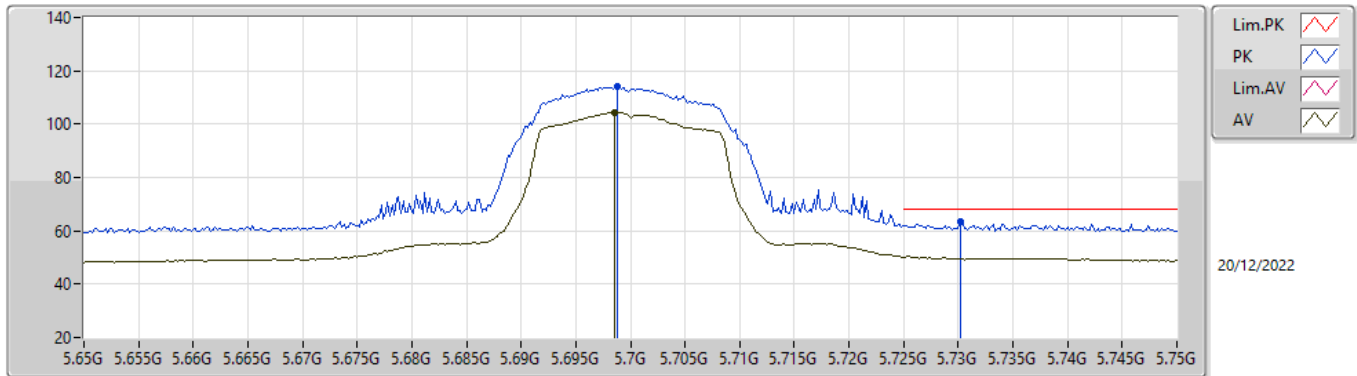


EUTY_4TX
 Setting 107
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1602G	56.47	74.00	-17.53	42.58	3	Horizontal	27	2.24	-	39.20	8.35	33.66
AV	11.1634G	43.10	54.00	-10.90	29.22	3	Horizontal	27	2.24	-	39.20	8.35	33.67
PK	16.74532G	62.23	68.20	-5.97	45.11	3	Horizontal	49	2.28	-	39.94	10.78	33.60

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

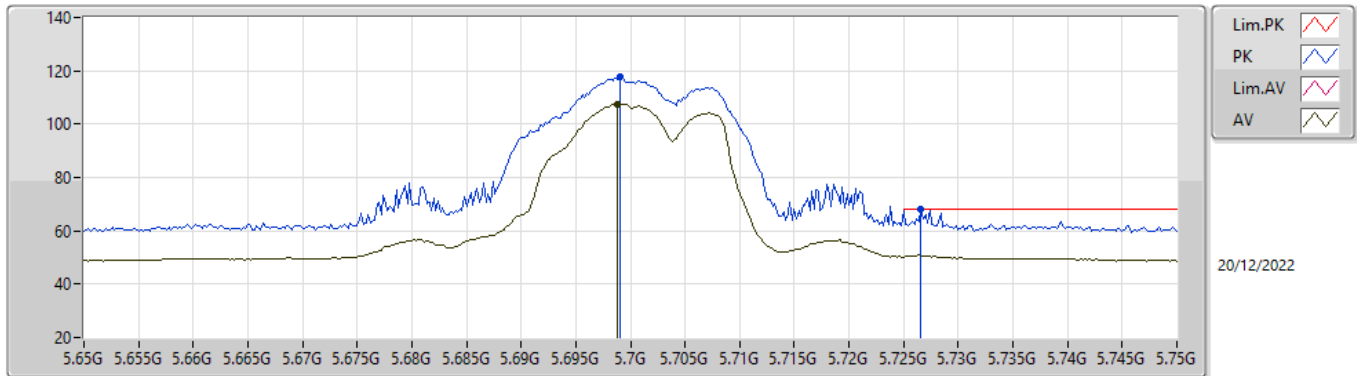


EUTY_4TX
Setting 65
04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6988G	113.99	Inf	-Inf	106.63	3	Vertical	157	2.11	-	34.20	5.65	32.49
AV	5.6986G	104.40	Inf	-Inf	97.04	3	Vertical	157	2.11	-	34.20	5.65	32.49
PK	5.7302G	63.32	68.20	-4.88	55.89	3	Vertical	157	2.11	-	34.26	5.67	32.50

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

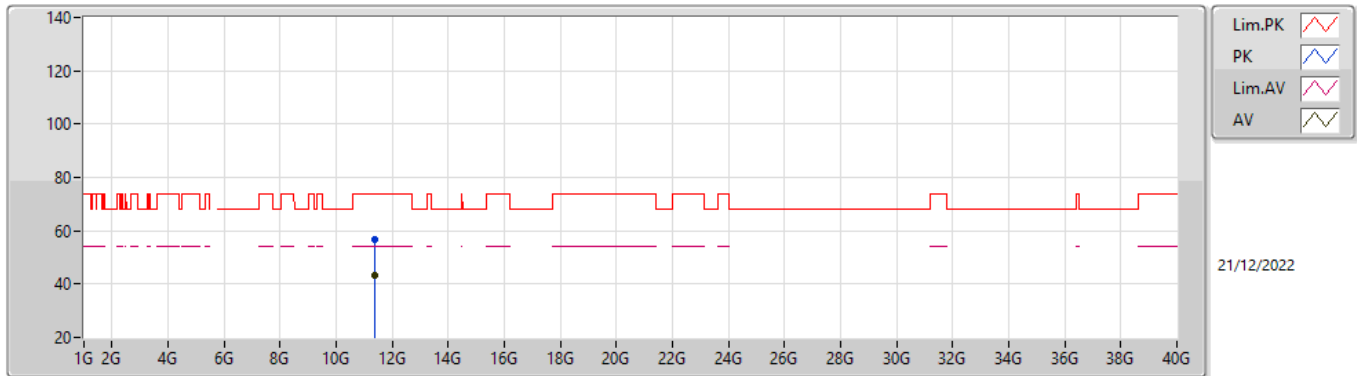


EUTY_4TX
 Setting 65
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.699G	117.63	Inf	-Inf	110.27	3	Horizontal	240	2.01	-	34.20	5.65	32.49
AV	5.6988G	107.63	Inf	-Inf	100.27	3	Horizontal	240	2.01	-	34.20	5.65	32.49
PK	5.7266G	67.97	68.20	-0.23	60.56	3	Horizontal	240	2.01	-	34.25	5.66	32.50

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

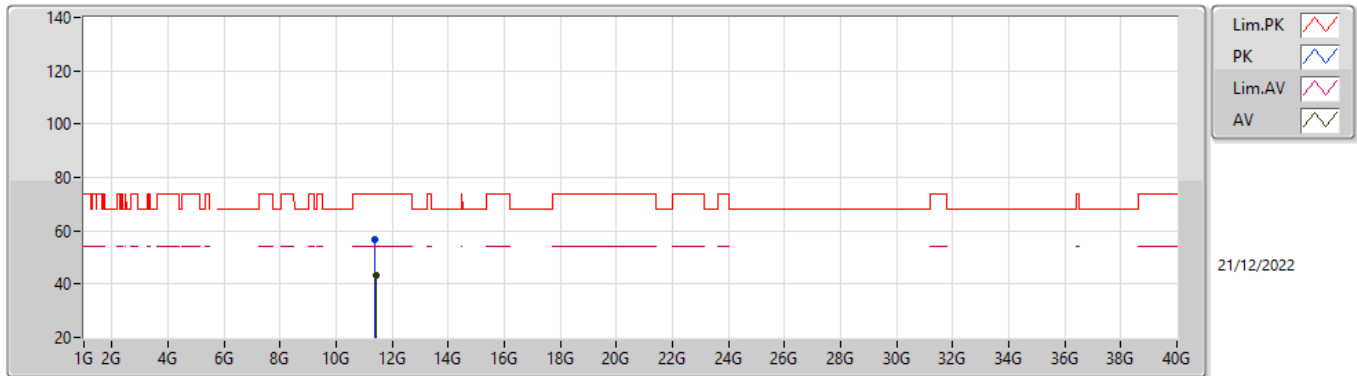


EUTY_4TX
 Setting 65
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.3988G	56.71	74.00	-17.29	43.05	3	Vertical	314	2.84	-	39.20	8.42	33.96
AV	11.39622G	43.32	54.00	-10.68	29.66	3	Vertical	314	2.84	-	39.20	8.42	33.96

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5700MHz_TX

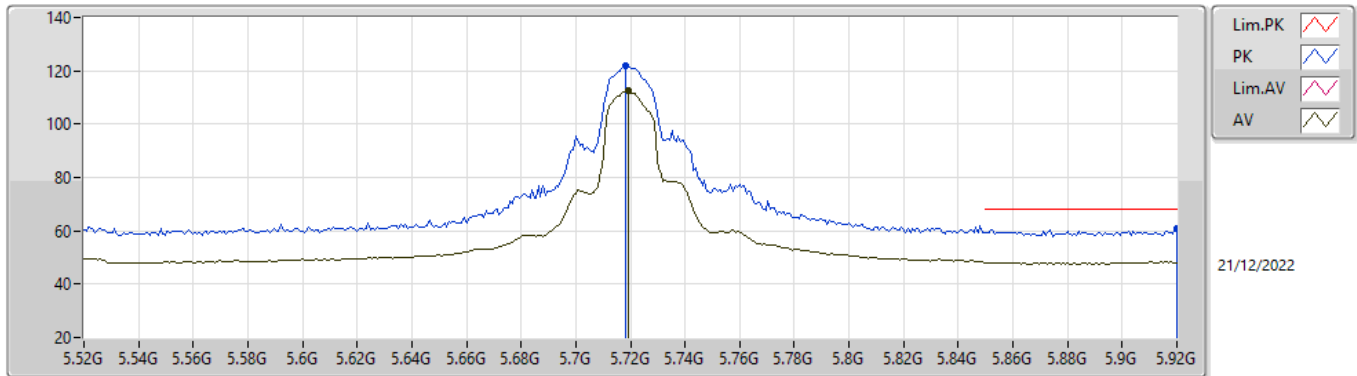


EUTY_4TX
 Setting 65
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.39962G	56.58	74.00	-17.42	42.92	3	Horizontal	25	2.53	-	39.20	8.42	33.96
AV	11.40206G	43.23	54.00	-10.77	29.58	3	Horizontal	25	2.53	-	39.20	8.42	33.97

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

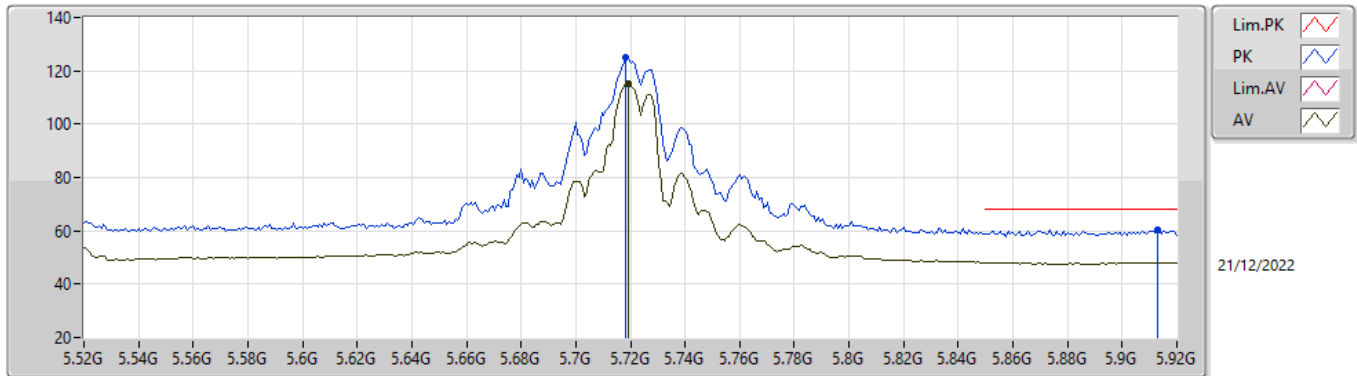


EUTY_4TX
Setting 101
04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7184G	121.64	Inf	-Inf	114.24	3	Vertical	158	1.97	-	34.24	5.66	32.50
AV	5.7192G	112.37	Inf	-Inf	104.97	3	Vertical	158	1.97	-	34.24	5.66	32.50
PK	5.92G	60.61	68.20	-7.59	52.39	3	Vertical	158	1.97	-	35.02	5.76	32.56

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

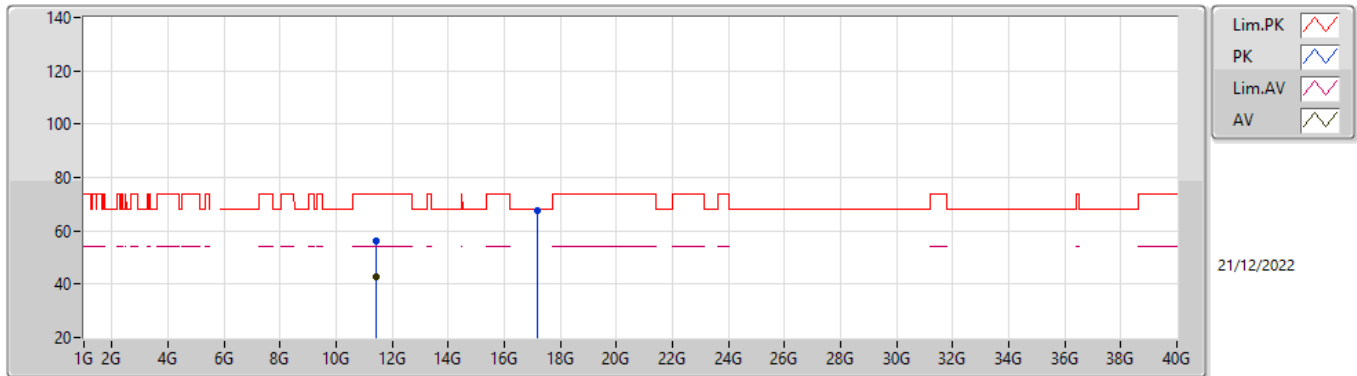


EUTY_4TX
 Setting 101
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7184G	124.81	Inf	-Inf	117.41	3	Horizontal	241	2.11	-	34.24	5.66	32.50
AV	5.7192G	115.22	Inf	-Inf	107.82	3	Horizontal	241	2.11	-	34.24	5.66	32.50
PK	5.9128G	60.58	68.20	-7.62	52.39	3	Horizontal	241	2.11	-	34.98	5.76	32.55

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

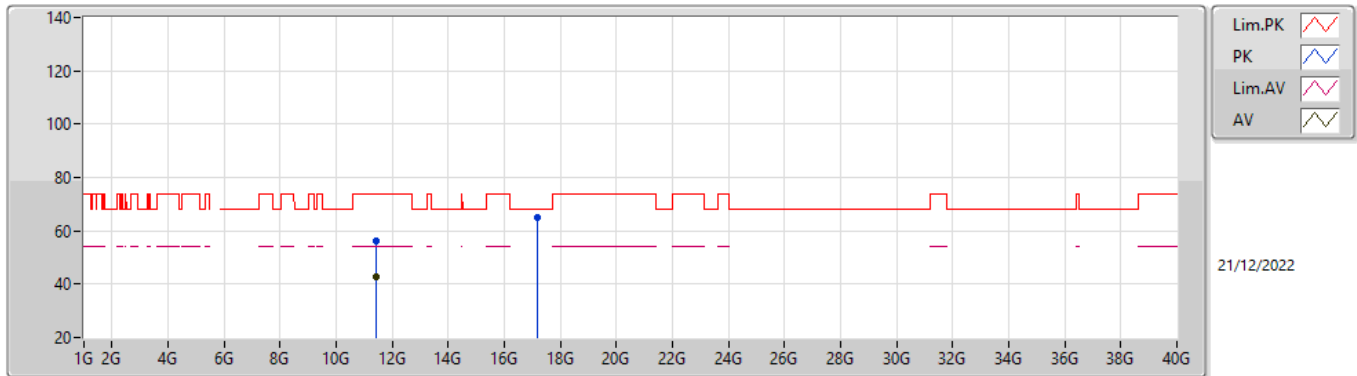


EUTY_4TX
 Setting 101
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.43648G	56.17	74.00	-17.83	42.55	3	Vertical	212	1.44	-	39.20	8.43	34.01
AV	11.43956G	42.76	54.00	-11.24	29.14	3	Vertical	212	1.44	-	39.20	8.43	34.01
PK	17.15764G	67.51	68.20	-0.69	48.97	3	Vertical	218	1.62	-	41.07	11.05	33.58

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

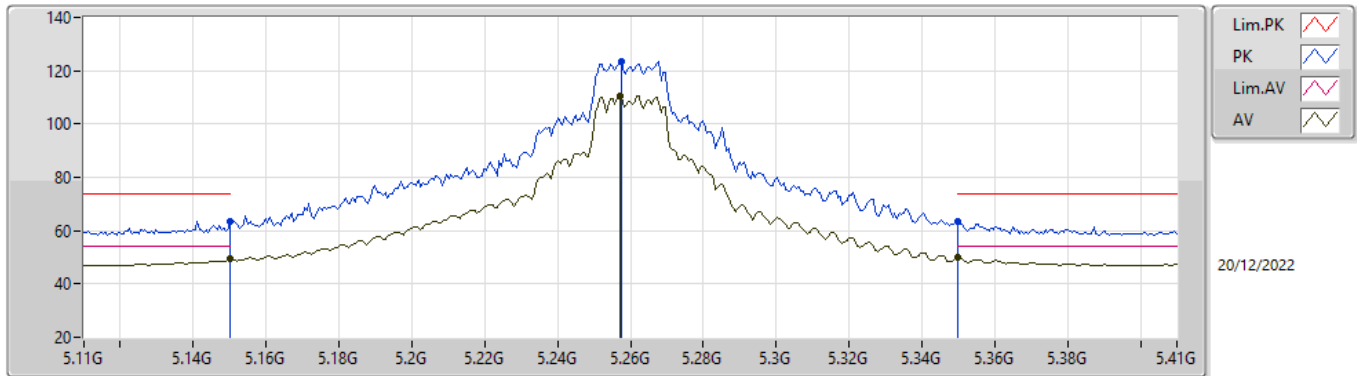


EUTY_4TX
 Setting 101
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4314G	56.02	74.00	-17.98	42.39	3	Horizontal	298	1.71	-	39.20	8.43	34.00
AV	11.43524G	42.79	54.00	-11.21	29.17	3	Horizontal	298	1.71	-	39.20	8.43	34.01
PK	17.16356G	64.86	68.20	-3.34	46.29	3	Horizontal	105	2.13	-	41.09	11.06	33.58

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TX

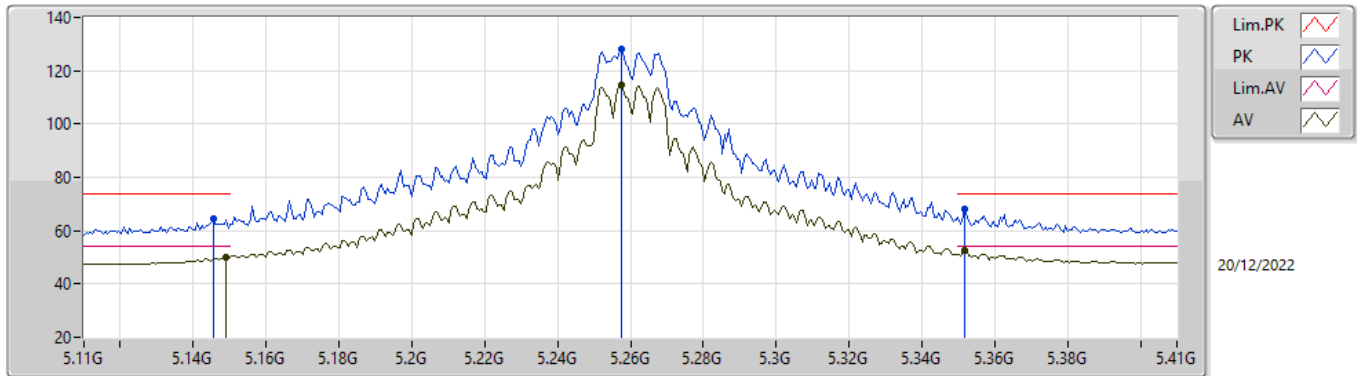


EUTY_4TX
 Setting 105
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	63.37	74.00	-10.63	57.54	3	Vertical	85	2.01	-	32.90	5.45	32.52
AV	5.15G	49.24	54.00	-4.76	43.41	3	Vertical	85	2.01	-	32.90	5.45	32.52
PK	5.2576G	123.24	Inf	-Inf	117.17	3	Vertical	85	2.01	-	33.03	5.53	32.49
AV	5.2576G	110.55	Inf	-Inf	104.48	3	Vertical	85	2.01	-	33.03	5.53	32.49
PK	5.35G	63.20	74.00	-10.80	56.89	3	Vertical	85	2.01	-	33.20	5.58	32.47
AV	5.35G	49.84	54.00	-4.16	43.53	3	Vertical	85	2.01	-	33.20	5.58	32.47

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TX

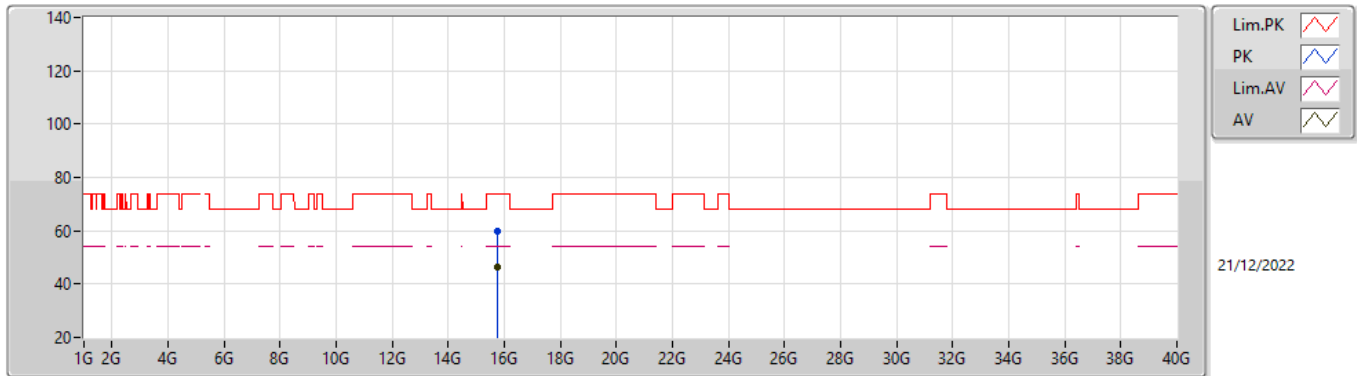


EUT_Y_4TX
 Setting 105
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1454G	64.31	74.00	-9.69	58.47	3	Horizontal	232	2.32	-	32.91	5.45	32.52
AV	5.149G	50.02	54.00	-3.98	44.19	3	Horizontal	232	2.32	-	32.90	5.45	32.52
PK	5.2576G	128.15	Inf	-Inf	122.08	3	Horizontal	232	2.32	-	33.03	5.53	32.49
AV	5.2576G	114.47	Inf	-Inf	108.40	3	Horizontal	232	2.32	-	33.03	5.53	32.49
PK	5.3518G	68.05	74.00	-5.95	61.73	3	Horizontal	232	2.32	-	33.21	5.58	32.47
AV	5.3518G	52.45	54.00	-1.55	46.13	3	Horizontal	232	2.32	-	33.21	5.58	32.47

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TX

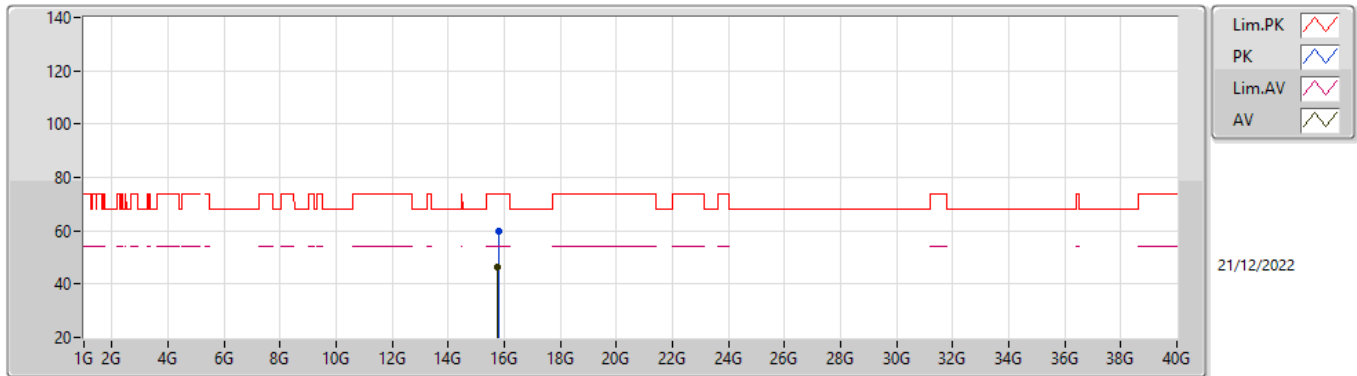


EUT_Y_4TX
 Setting 105
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.77764G	59.82	74.00	-14.18	45.06	3	Vertical	352	1.68	-	38.43	10.22	33.89
AV	15.77836G	46.25	54.00	-7.75	31.48	3	Vertical	352	1.68	-	38.44	10.22	33.89

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5260MHz_TX

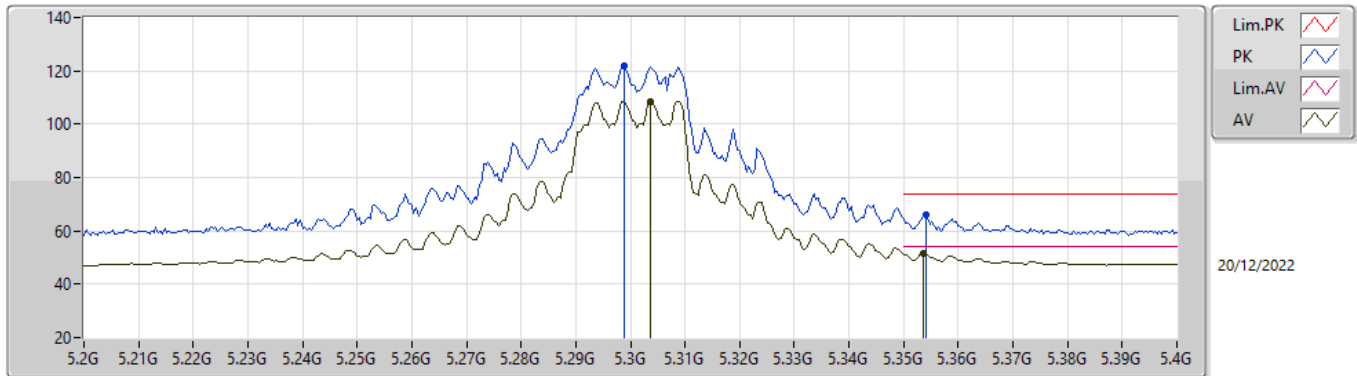


EUTY_4TX
 Setting 105
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.77896G	59.88	74.00	-14.12	45.11	3	Horizontal	143	1.62	-	38.44	10.22	33.89
AV	15.77614G	46.28	54.00	-7.72	31.52	3	Horizontal	143	1.62	-	38.43	10.22	33.89

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TX

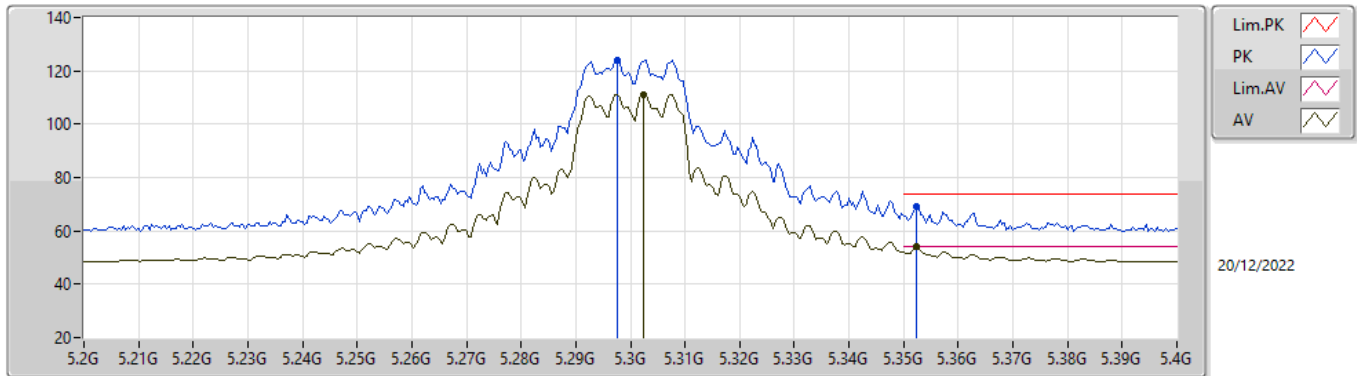


EUTY_4TX
 Setting 97
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.2988G	121.73	Inf	-Inf	115.46	3	Vertical	23	2.88	-	33.20	5.55	32.48
AV	5.3036G	108.67	Inf	-Inf	102.40	3	Vertical	23	2.88	-	33.20	5.55	32.48
PK	5.354G	66.07	74.00	-7.93	59.74	3	Vertical	23	2.88	-	33.22	5.58	32.47
AV	5.3536G	51.63	54.00	-2.37	45.31	3	Vertical	23	2.88	-	33.21	5.58	32.47

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TX

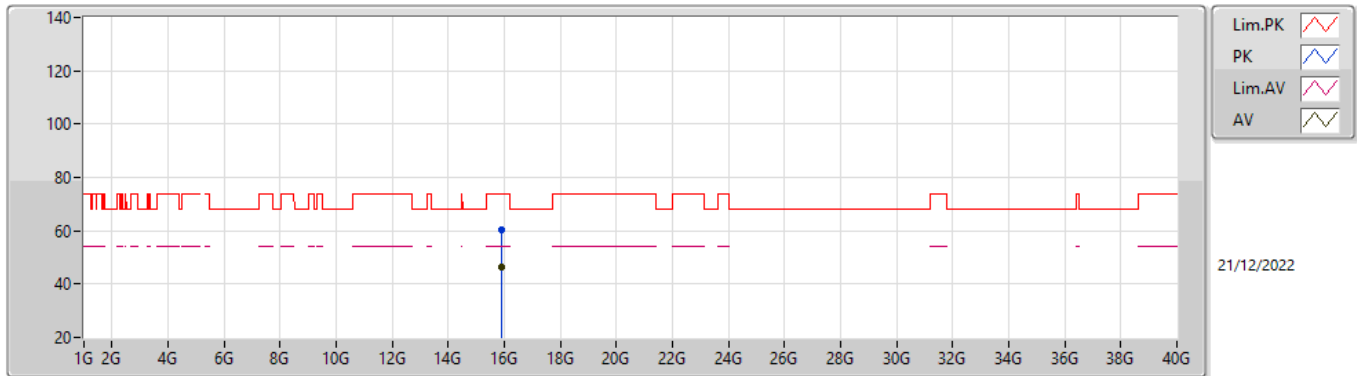


EUTY_4TX
Setting 97
04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.2976G	124.07	Inf	-Inf	117.81	3	Horizontal	159	2.02	-	33.19	5.55	32.48
AV	5.3024G	111.10	Inf	-Inf	104.83	3	Horizontal	159	2.02	-	33.20	5.55	32.48
PK	5.3524G	68.92	74.00	-5.08	62.60	3	Horizontal	159	2.02	-	33.21	5.58	32.47
AV	5.3524G	53.88	54.00	-0.12	47.56	3	Horizontal	159	2.02	-	33.21	5.58	32.47

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TX

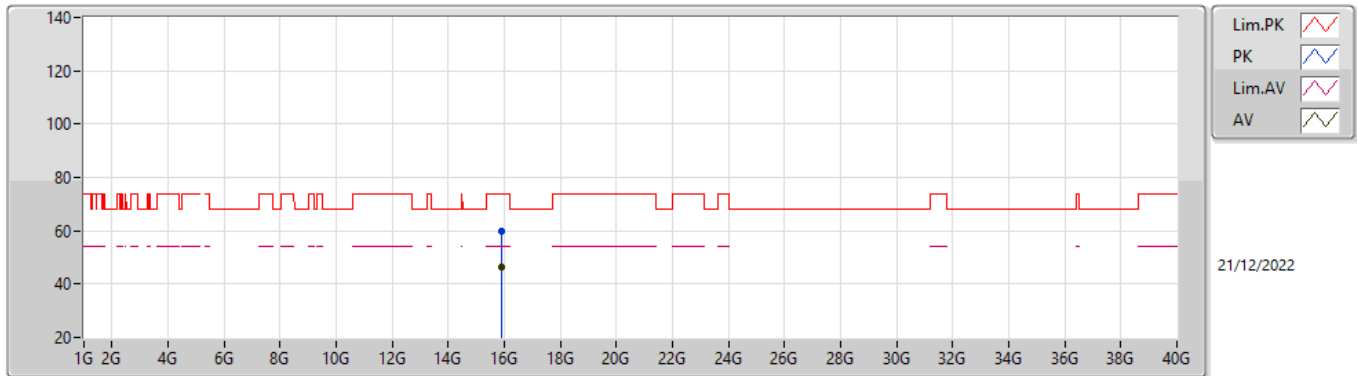


EUTY_4TX
 Setting 97
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.90248G	60.24	74.00	-13.76	45.34	3	Vertical	230	2.55	-	38.60	10.27	33.97
AV	15.8955G	46.21	54.00	-7.79	31.31	3	Vertical	230	2.55	-	38.60	10.26	33.96

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5300MHz_TX

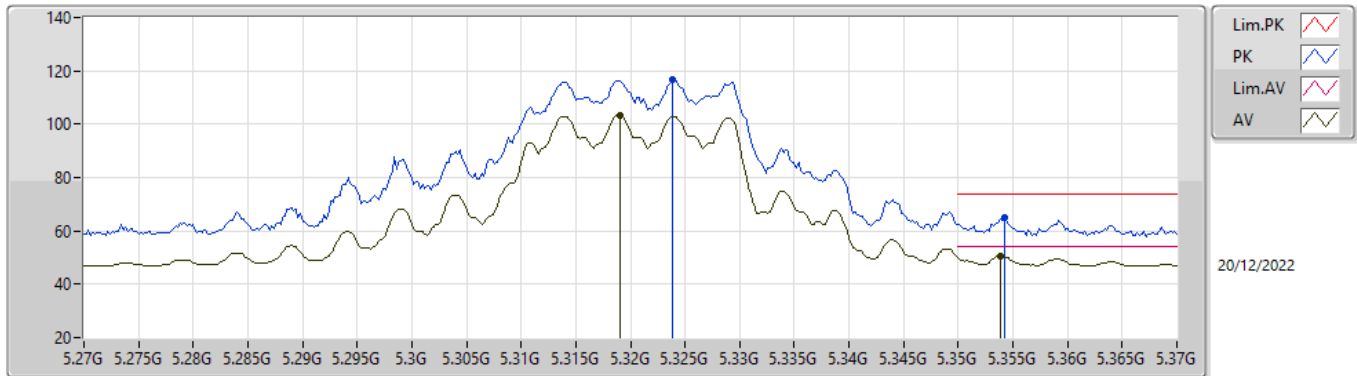


EUTY_4TX
 Setting 97
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.89622G	59.71	74.00	-14.29	44.81	3	Horizontal	124	2.91	-	38.60	10.26	33.96
AV	15.89582G	46.20	54.00	-7.80	31.30	3	Horizontal	124	2.91	-	38.60	10.26	33.96

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5320MHz_TX

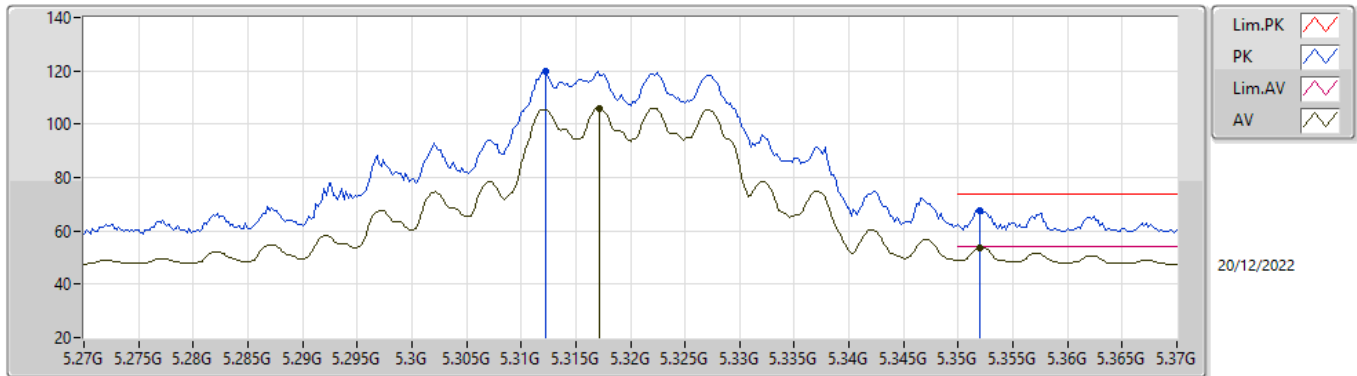


EUTY_4TX
Setting 74
04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3238G	116.50	Inf	-Inf	110.22	3	Vertical	20	3.00	-	33.20	5.56	32.48
AV	5.319G	103.36	Inf	-Inf	97.08	3	Vertical	20	3.00	-	33.20	5.56	32.48
PK	5.3542G	65.06	74.00	-8.94	58.73	3	Vertical	20	3.00	-	33.22	5.58	32.47
AV	5.3538G	50.73	54.00	-3.27	44.40	3	Vertical	20	3.00	-	33.22	5.58	32.47

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5320MHz_TX

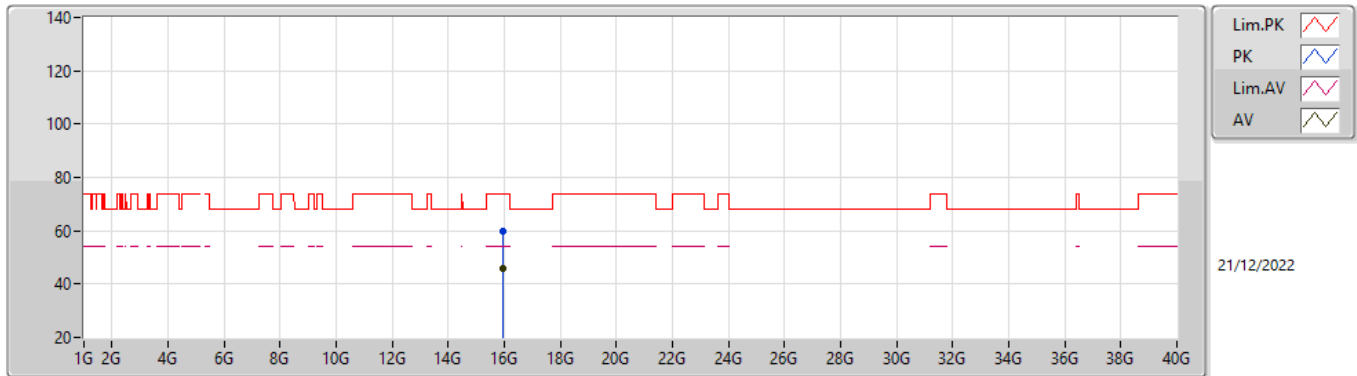


EUTY_4TX
Setting 74
04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3122G	119.94	Inf	-Inf	113.66	3	Horizontal	231	2.30	-	33.20	5.56	32.48
AV	5.3172G	106.06	Inf	-Inf	99.78	3	Horizontal	231	2.30	-	33.20	5.56	32.48
PK	5.352G	67.39	74.00	-6.61	61.07	3	Horizontal	231	2.30	-	33.21	5.58	32.47
AV	5.352G	53.77	54.00	-0.23	47.45	3	Horizontal	231	2.30	-	33.21	5.58	32.47

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5320MHz_TX

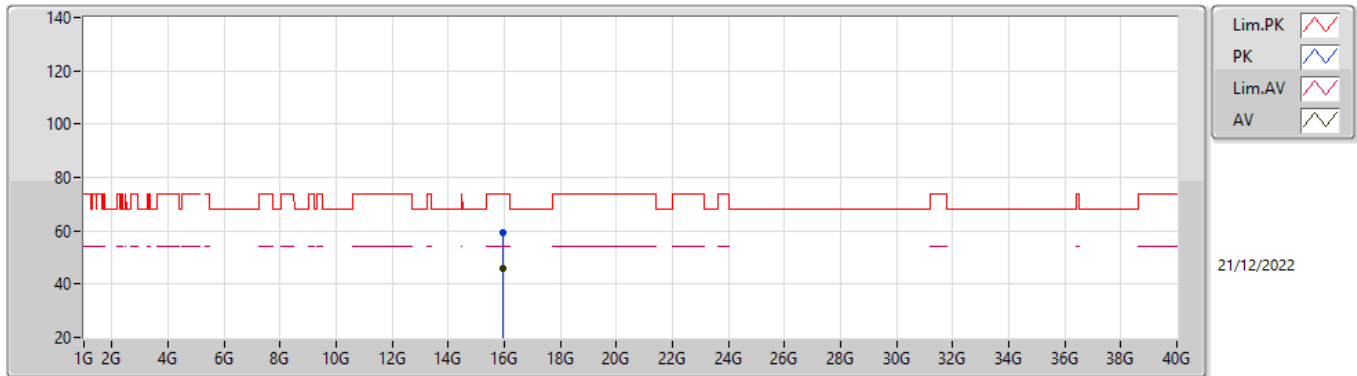


EUT_Y_4TX
 Setting 74
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.95832G	59.99	74.00	-14.01	45.16	3	Vertical	242	2.50	-	38.54	10.29	34.00
AV	15.9615G	45.83	54.00	-8.17	31.01	3	Vertical	242	2.50	-	38.54	10.29	34.01

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5320MHz_TX

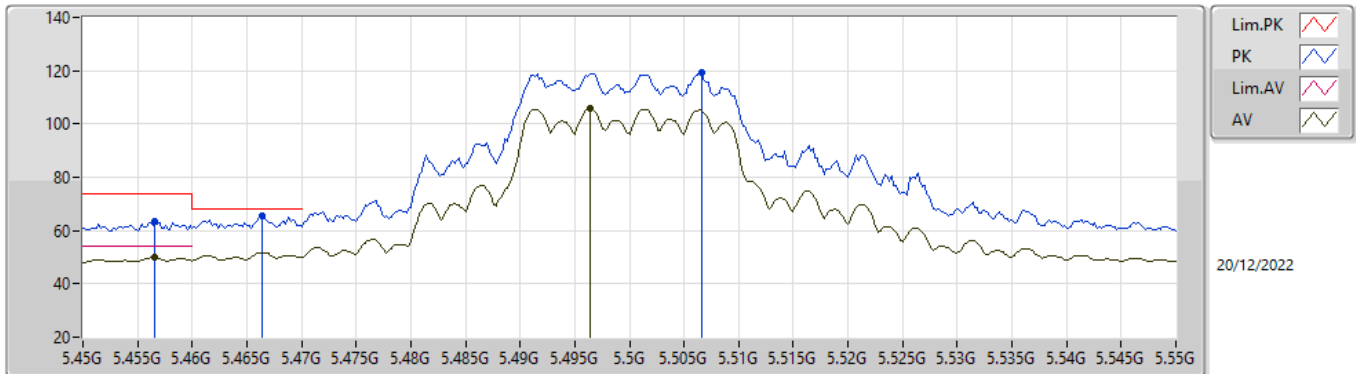


EUTY_4TX
 Setting 74
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	15.95616G	59.54	74.00	-14.46	44.72	3	Horizontal	222	2.26	-	38.54	10.28	34.00
AV	15.96356G	45.77	54.00	-8.23	30.95	3	Horizontal	222	2.26	-	38.54	10.29	34.01

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5500MHz_TX

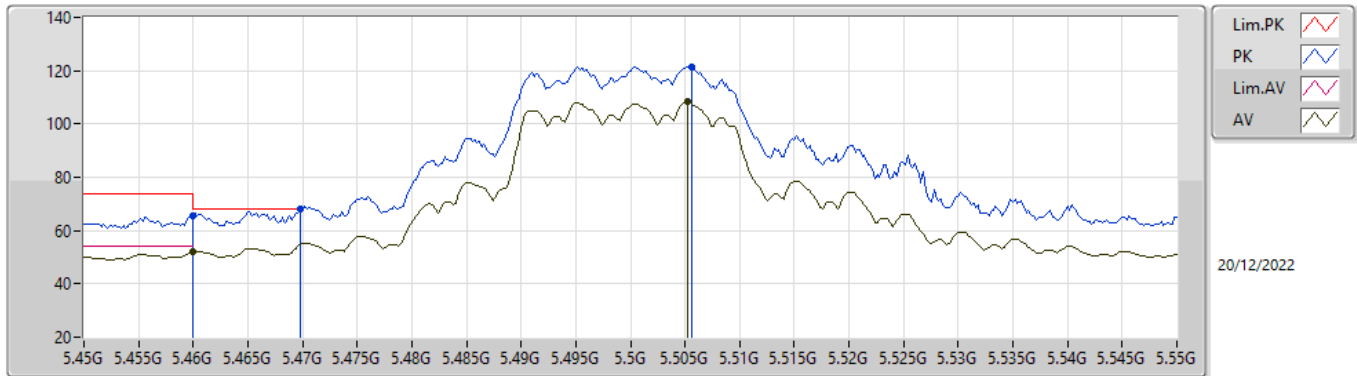


EUT Y_4TX
 Setting 84
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4566G	63.67	74.00	-10.33	56.80	3	Vertical	278	2.06	-	33.71	5.60	32.44
AV	5.4566G	49.85	54.00	-4.15	42.98	3	Vertical	278	2.06	-	33.71	5.60	32.44
PK	5.4664G	65.29	68.20	-2.91	58.40	3	Vertical	278	2.06	-	33.73	5.60	32.44
PK	5.5066G	119.32	Inf	-Inf	112.34	3	Vertical	278	2.06	-	33.81	5.60	32.43
AV	5.4964G	105.83	Inf	-Inf	98.87	3	Vertical	278	2.06	-	33.79	5.60	32.43

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5500MHz_TX

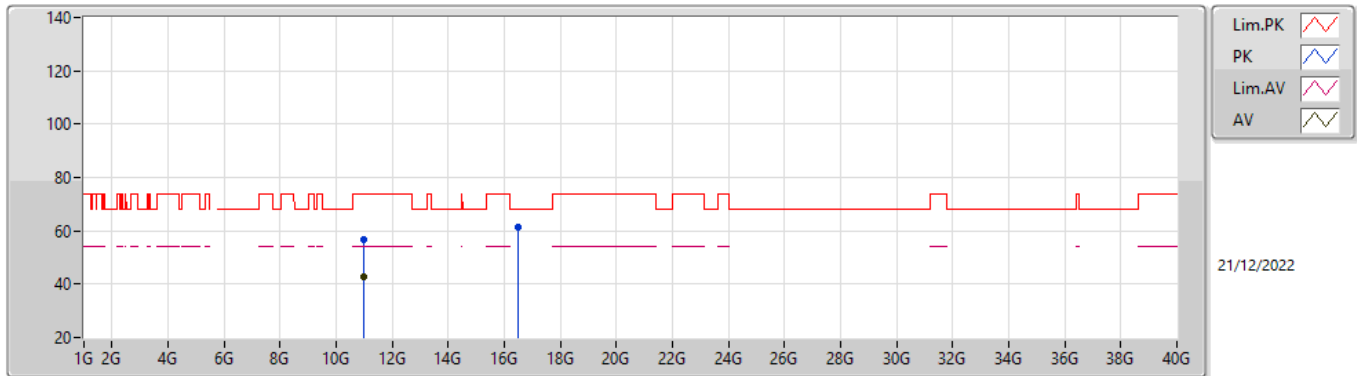


EUT Y_4TX
 Setting 84
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.46G	65.52	74.00	-8.48	58.64	3	Horizontal	242	1.92	-	33.72	5.60	32.44
AV	5.46G	52.26	54.00	-1.74	45.38	3	Horizontal	242	1.92	-	33.72	5.60	32.44
PK	5.4698G	68.01	68.20	-0.19	61.11	3	Horizontal	242	1.92	-	33.74	5.60	32.44
PK	5.5056G	121.49	Inf	-Inf	114.51	3	Horizontal	242	1.92	-	33.81	5.60	32.43
AV	5.5052G	108.28	Inf	-Inf	101.30	3	Horizontal	242	1.92	-	33.81	5.60	32.43

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5500MHz_TX

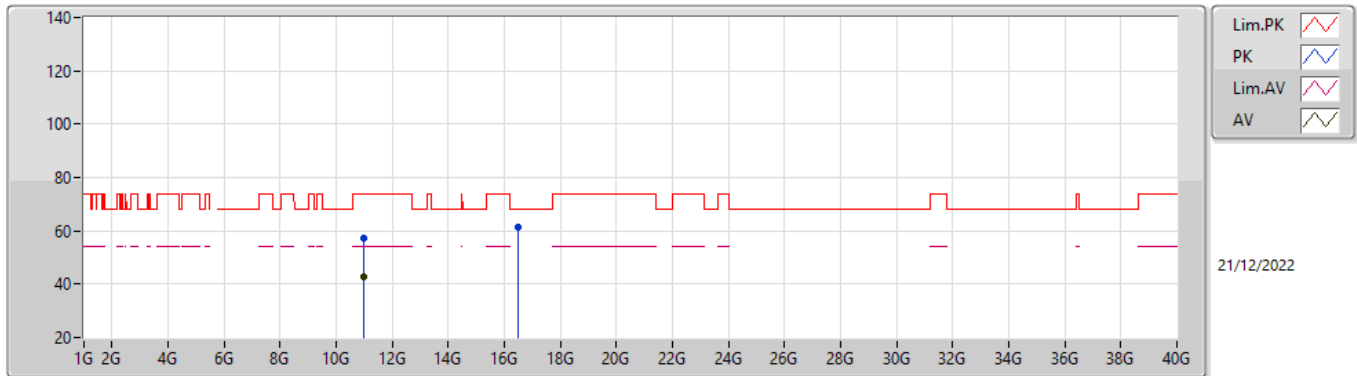


EUT Y_4TX
 Setting 84
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.99576G	56.78	74.00	-17.22	42.54	3	Vertical	309	1.54	-	39.40	8.30	33.46
AV	11.00368G	42.90	54.00	-11.10	28.67	3	Vertical	309	1.54	-	39.39	8.30	33.46
PK	16.4992G	61.25	68.20	-6.95	44.67	3	Vertical	187	1.27	-	39.60	10.62	33.64

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5500MHz_TX

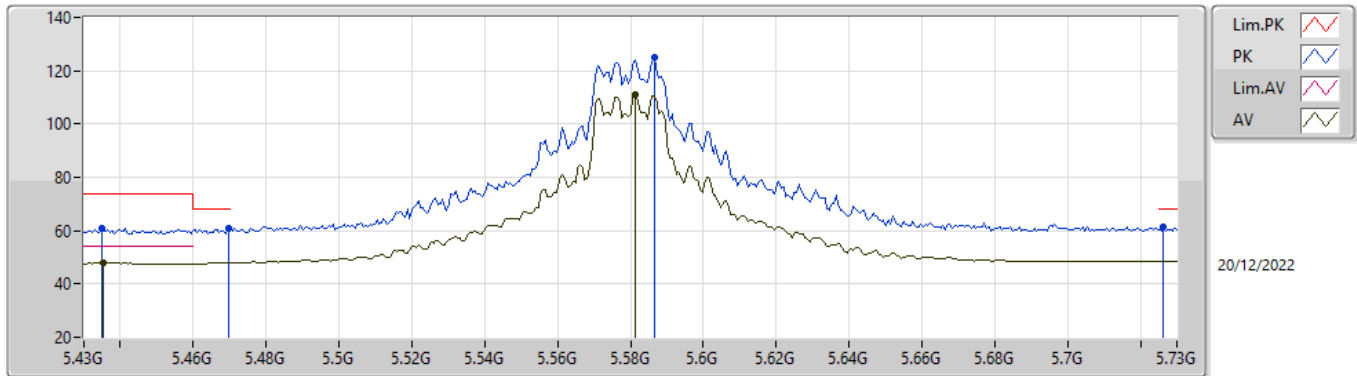


EUTY_4TX
 Setting 84
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.00256G	57.40	74.00	-16.60	43.17	3	Horizontal	144	2.70	-	39.39	8.30	33.46
AV	11.00194G	43.00	54.00	-11.00	28.76	3	Horizontal	144	2.70	-	39.40	8.30	33.46
PK	16.49824G	61.24	68.20	-6.96	44.67	3	Horizontal	2	1.91	-	39.59	10.62	33.64

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5580MHz_TX

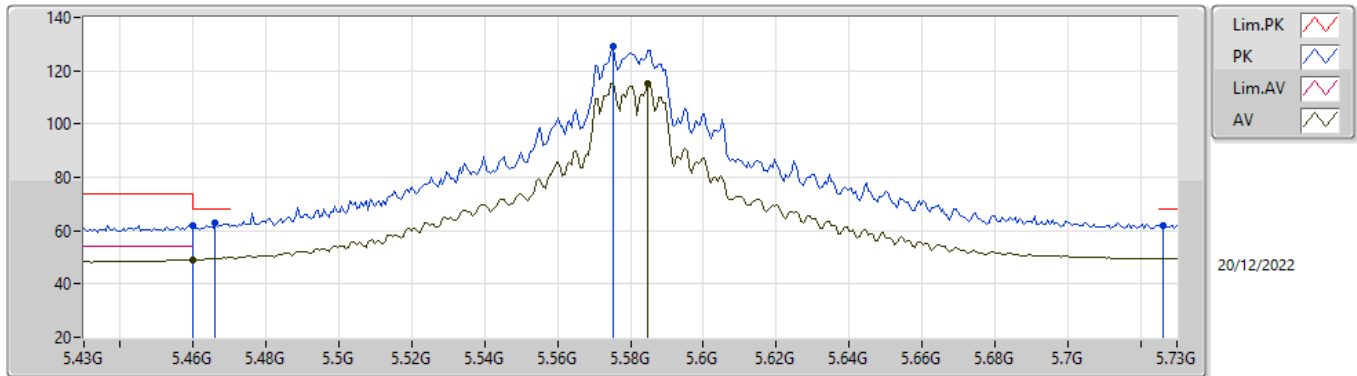


EUT_Y_4TX
 Setting 106
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4348G	60.93	74.00	-13.07	54.17	3	Vertical	281	1.88	-	33.61	5.60	32.45
AV	5.4354G	47.81	54.00	-6.19	41.05	3	Vertical	281	1.88	-	33.61	5.60	32.45
PK	5.4696G	61.04	68.20	-7.16	54.14	3	Vertical	281	1.88	-	33.74	5.60	32.44
PK	5.5866G	124.88	Inf	-Inf	117.69	3	Vertical	281	1.88	-	34.05	5.60	32.46
AV	5.5812G	110.79	Inf	-Inf	103.62	3	Vertical	281	1.88	-	34.02	5.60	32.45
PK	5.7264G	61.45	68.20	-6.75	54.04	3	Vertical	281	1.88	-	34.25	5.66	32.50

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5580MHz_TX

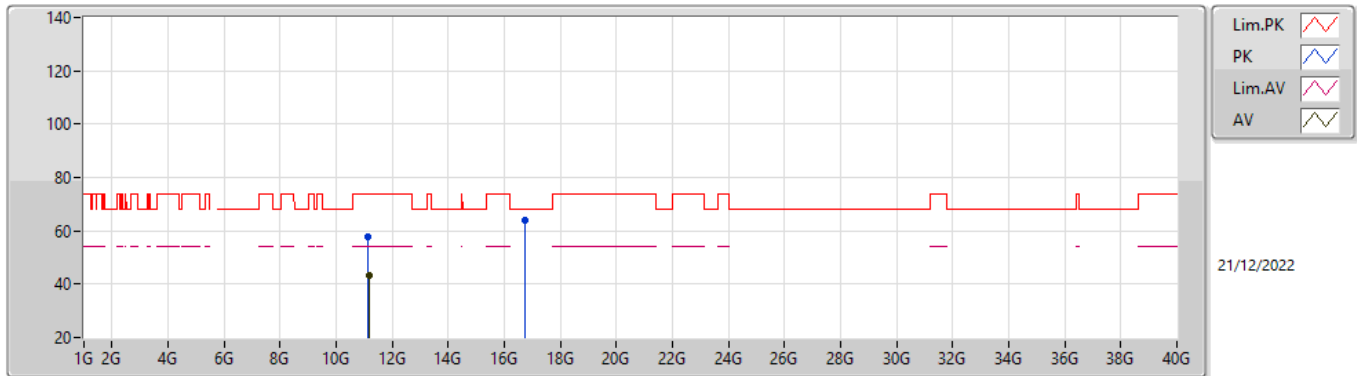


EUT_Y_4TX
 Setting 106
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.46G	62.14	74.00	-11.86	55.26	3	Horizontal	240	1.84	-	33.72	5.60	32.44
AV	5.46G	49.13	54.00	-4.87	42.25	3	Horizontal	240	1.84	-	33.72	5.60	32.44
PK	5.466G	62.87	68.20	-5.33	55.98	3	Horizontal	240	1.84	-	33.73	5.60	32.44
PK	5.5752G	129.37	Inf	-Inf	122.22	3	Horizontal	240	1.84	-	34.00	5.60	32.45
AV	5.5848G	115.36	Inf	-Inf	108.18	3	Horizontal	240	1.84	-	34.04	5.60	32.46
PK	5.7264G	62.15	68.20	-6.05	54.74	3	Horizontal	240	1.84	-	34.25	5.66	32.50

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5580MHz_TX

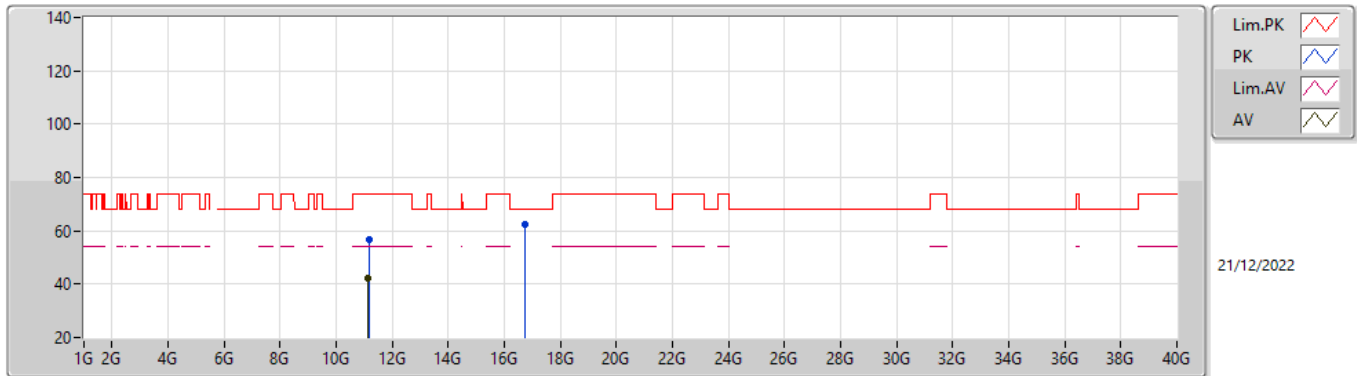


EUTY_4TX
 Setting 106
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.15352G	57.54	74.00	-16.46	43.64	3	Vertical	168	2.45	-	39.20	8.35	33.65
AV	11.1596G	43.14	54.00	-10.86	29.25	3	Vertical	168	2.45	-	39.20	8.35	33.66
PK	16.73616G	63.73	68.20	-4.47	46.64	3	Vertical	131	1.73	-	39.91	10.78	33.60

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5580MHz_TX

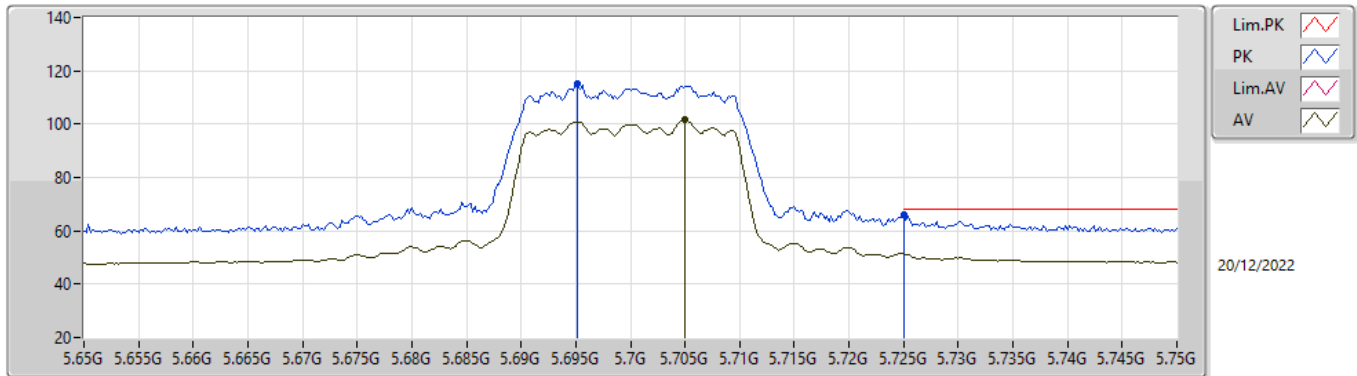


EUTY_4TX
 Setting 106
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.15596G	56.76	74.00	-17.24	42.87	3	Horizontal	29	1.80	-	39.20	8.35	33.66
AV	11.15484G	42.39	54.00	-11.61	28.50	3	Horizontal	29	1.80	-	39.20	8.35	33.66
PK	16.73296G	62.35	68.20	-5.85	45.27	3	Horizontal	360	1.93	-	39.90	10.78	33.60

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5700MHz_TX

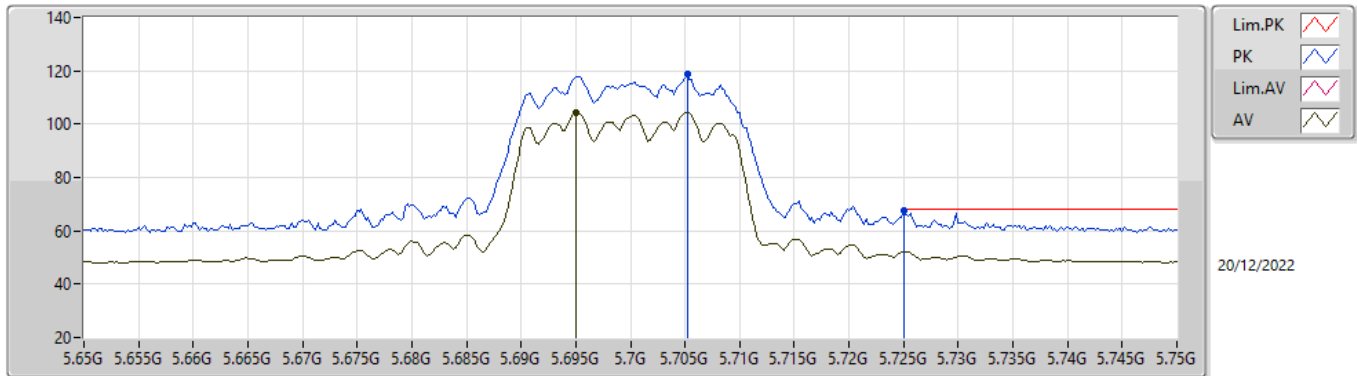


EUTY_4TX
 Setting 61
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6952G	115.21	Inf	-Inf	107.86	3	Vertical	157	2.25	-	34.19	5.65	32.49
AV	5.705G	101.48	Inf	-Inf	94.11	3	Vertical	157	2.25	-	34.21	5.65	32.49
PK	5.725G	65.99	68.20	-2.21	58.58	3	Vertical	157	2.25	-	34.25	5.66	32.50

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5700MHz_TX

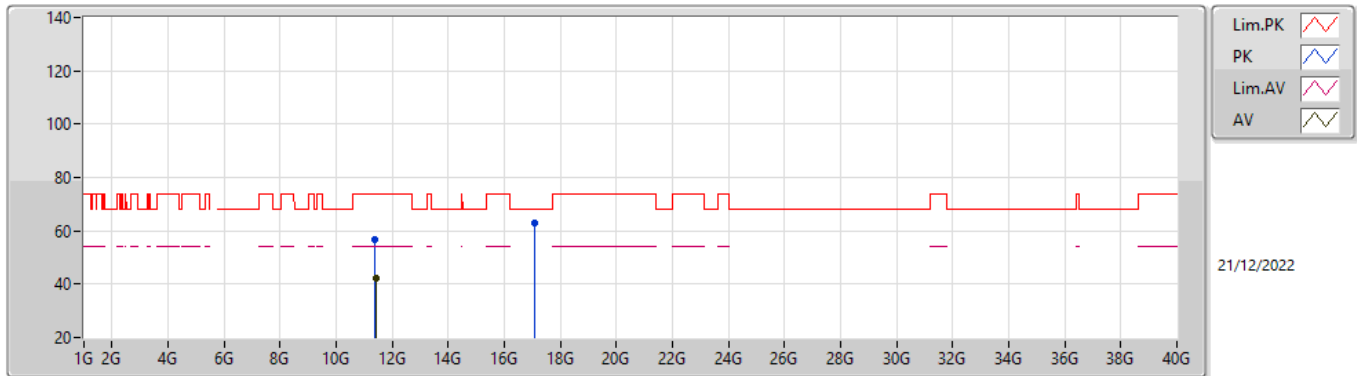


EUTY_4TX
 Setting 61
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7052G	118.55	Inf	-Inf	111.18	3	Horizontal	240	1.86	-	34.21	5.65	32.49
AV	5.695G	104.29	Inf	-Inf	96.94	3	Horizontal	240	1.86	-	34.19	5.65	32.49
PK	5.725G	67.41	68.20	-0.79	60.00	3	Horizontal	240	1.86	-	34.25	5.66	32.50

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5700MHz_TX

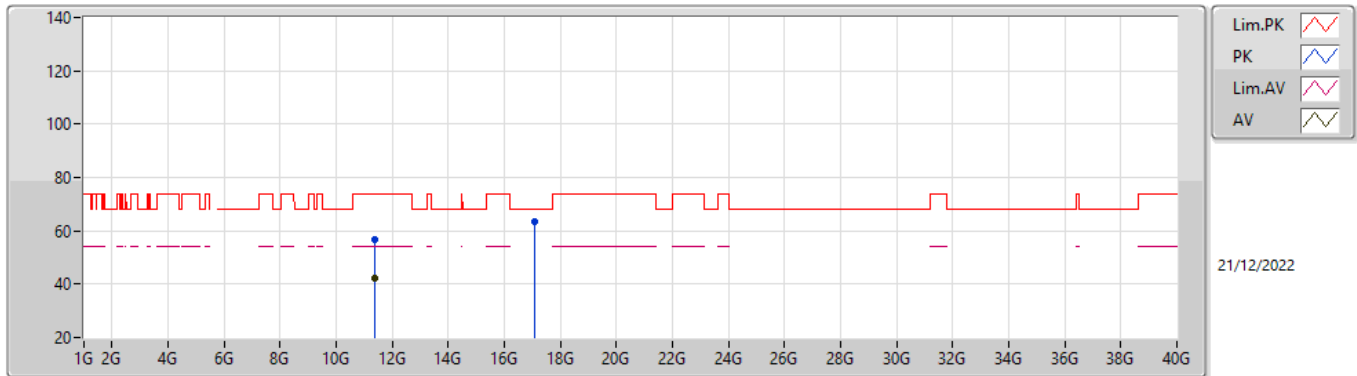


EUTY_4TX
 Setting 61
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.39908G	56.74	74.00	-17.26	43.08	3	Vertical	174	2.12	-	39.20	8.42	33.96
AV	11.40188G	42.24	54.00	-11.76	28.59	3	Vertical	174	2.12	-	39.20	8.42	33.97
PK	17.09564G	63.09	68.20	-5.11	44.77	3	Vertical	234	1.27	-	40.88	11.01	33.57

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5700MHz_TX

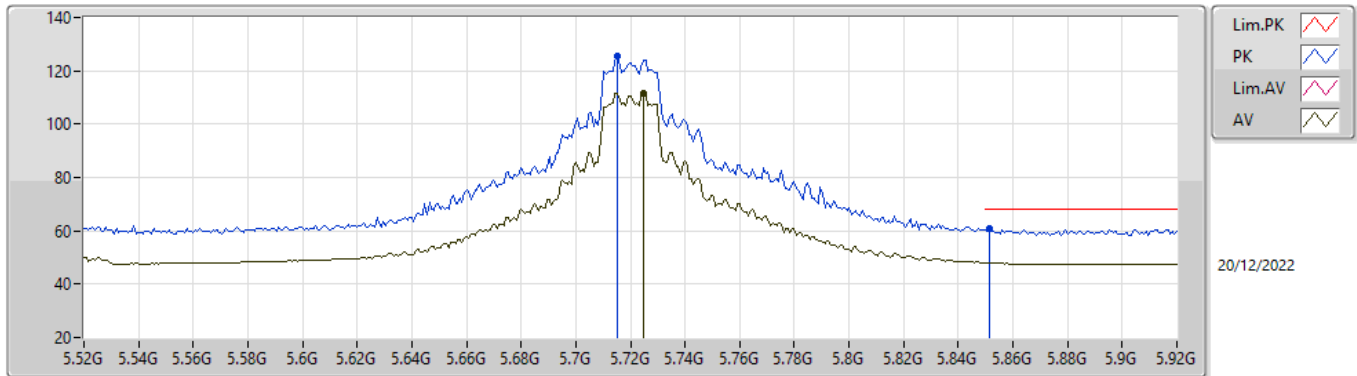


EUTY_4TX
 Setting 61
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.39626G	56.67	74.00	-17.33	43.01	3	Horizontal	284	1.99	-	39.20	8.42	33.96
AV	11.39636G	42.23	54.00	-11.77	28.57	3	Horizontal	284	1.99	-	39.20	8.42	33.96
PK	17.09958G	63.45	68.20	-4.75	45.11	3	Horizontal	243	2.20	-	40.90	11.01	33.57

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

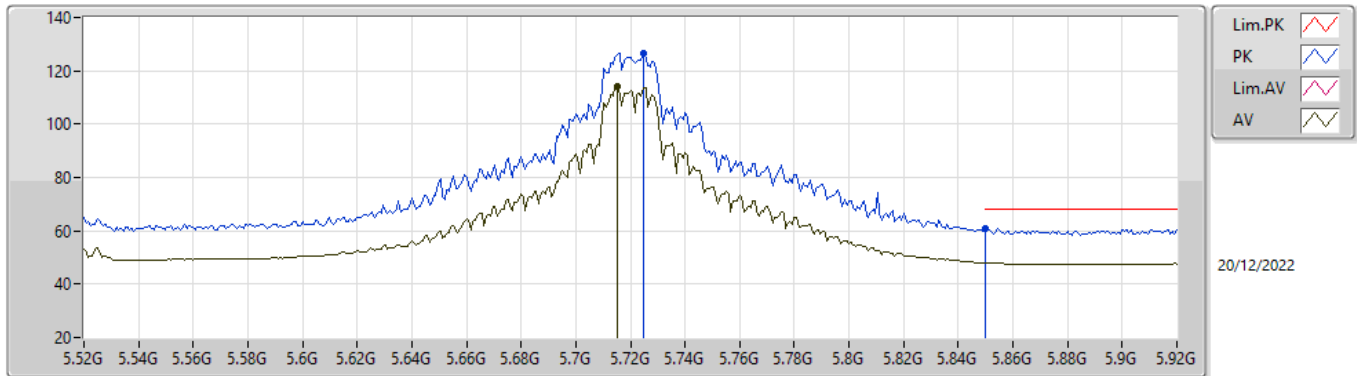


EUTY_4TX
 Setting 103
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7152G	125.34	Inf	-Inf	117.94	3	Vertical	158	2.24	-	34.23	5.66	32.49
AV	5.7248G	111.46	Inf	-Inf	104.05	3	Vertical	158	2.24	-	34.25	5.66	32.50
PK	5.8512G	60.68	68.20	-7.52	53.08	3	Vertical	158	2.24	-	34.41	5.73	32.54

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

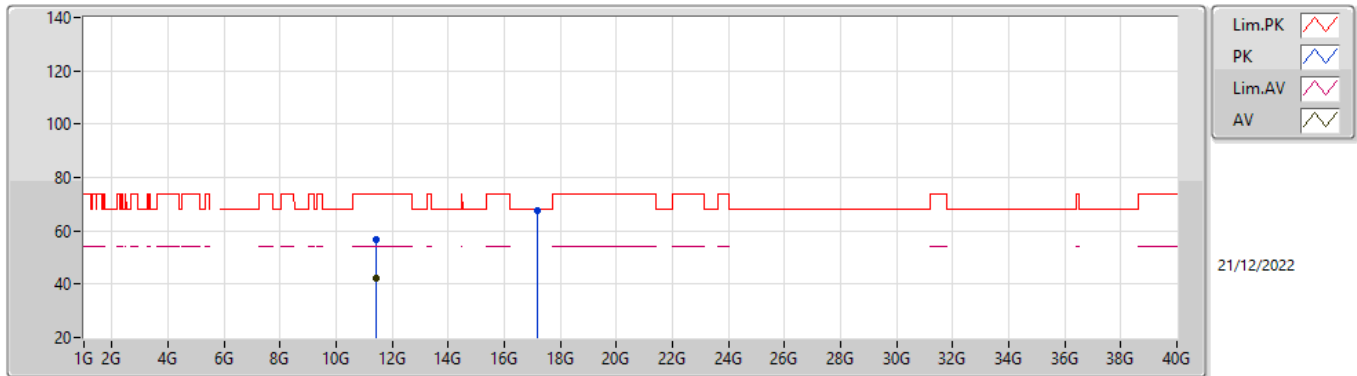


EUTY_4TX
 Setting 103
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7248G	126.37	Inf	-Inf	118.96	3	Horizontal	240	2.10	-	34.25	5.66	32.50
AV	5.7152G	113.95	Inf	-Inf	106.55	3	Horizontal	240	2.10	-	34.23	5.66	32.49
PK	5.85G	61.08	68.20	-7.12	53.49	3	Horizontal	240	2.10	-	34.40	5.73	32.54

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

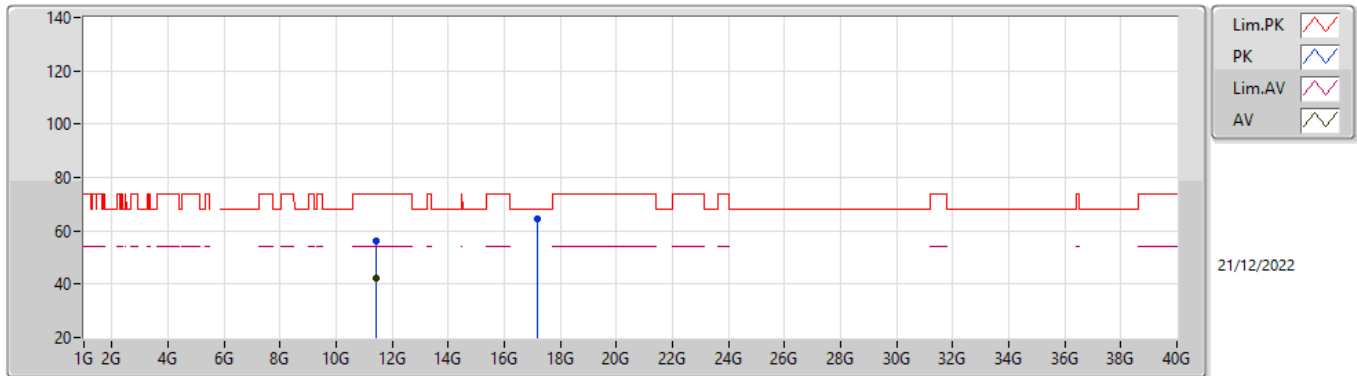


EUTY_4TX
 Setting 103
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.4436G	56.51	74.00	-17.49	42.90	3	Vertical	17	1.80	-	39.20	8.43	34.02
AV	11.44076G	42.48	54.00	-11.52	28.87	3	Vertical	17	1.80	-	39.20	8.43	34.02
PK	17.16744G	67.36	68.20	-0.84	48.78	3	Vertical	218	1.69	-	41.10	11.06	33.58

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

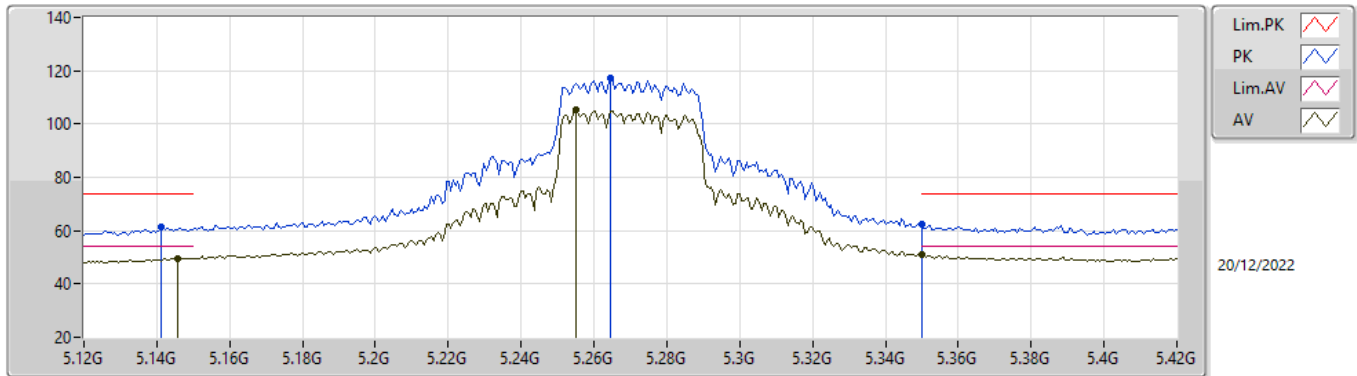


EUTY_4TX
 Setting 103
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.44624G	56.25	74.00	-17.75	42.64	3	Horizontal	91	1.80	-	39.20	8.43	34.02
AV	11.43512G	42.31	54.00	-11.69	28.69	3	Horizontal	91	1.80	-	39.20	8.43	34.01
PK	17.16236G	64.66	68.20	-3.54	46.09	3	Horizontal	122	2.34	-	41.09	11.06	33.58

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5270MHz_TX

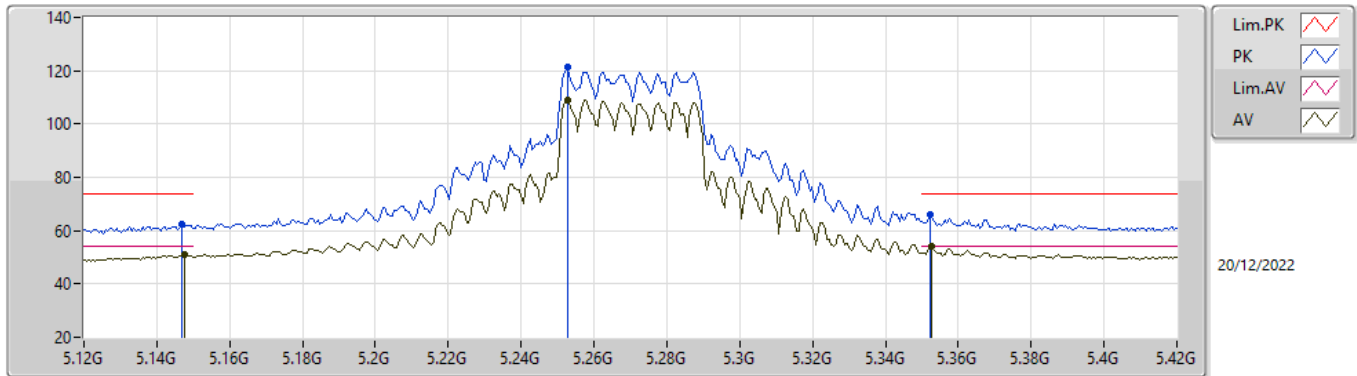


EUT_Y_4TX
 Setting 85
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.141G	61.18	74.00	-12.82	55.34	3	Vertical	83	1.97	-	32.92	5.44	32.52
AV	5.1458G	49.73	54.00	-4.27	43.89	3	Vertical	83	1.97	-	32.91	5.45	32.52
PK	5.2646G	117.24	Inf	-Inf	111.14	3	Vertical	83	1.97	-	33.06	5.53	32.49
AV	5.255G	105.23	Inf	-Inf	99.17	3	Vertical	83	1.97	-	33.02	5.53	32.49
PK	5.35G	62.53	74.00	-11.47	56.22	3	Vertical	83	1.97	-	33.20	5.58	32.47
AV	5.35G	51.11	54.00	-2.89	44.80	3	Vertical	83	1.97	-	33.20	5.58	32.47

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5270MHz_TX

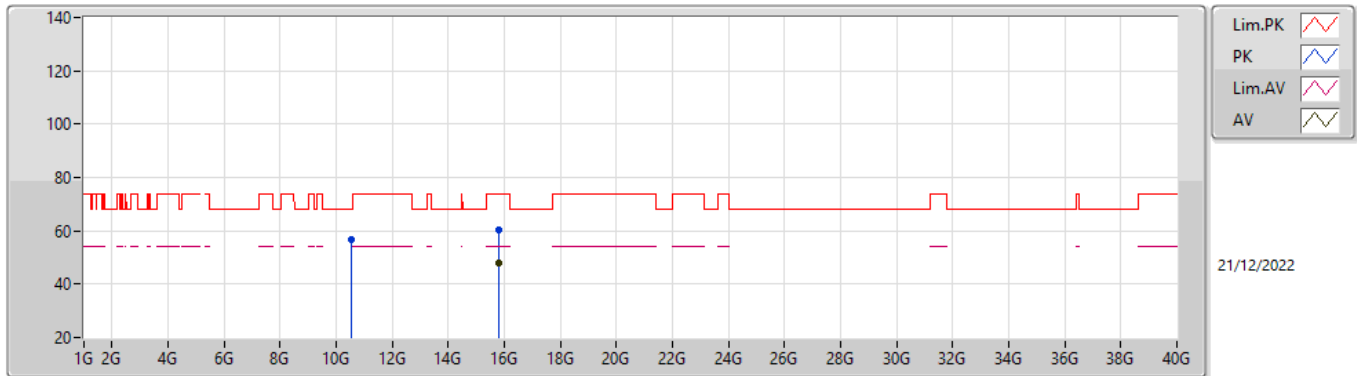


EUT_Y_4TX
 Setting 85
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.147G	62.41	74.00	-11.59	56.57	3	Horizontal	233	2.13	-	32.91	5.45	32.52
AV	5.1476G	50.84	54.00	-3.16	45.01	3	Horizontal	233	2.13	-	32.90	5.45	32.52
PK	5.2526G	121.44	Inf	-Inf	115.39	3	Horizontal	233	2.13	-	33.01	5.53	32.49
AV	5.2526G	108.78	Inf	-Inf	102.73	3	Horizontal	233	2.13	-	33.01	5.53	32.49
PK	5.3522G	65.85	74.00	-8.15	59.53	3	Horizontal	233	2.13	-	33.21	5.58	32.47
AV	5.3528G	53.89	54.00	-0.11	47.57	3	Horizontal	233	2.13	-	33.21	5.58	32.47

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5270MHz_TX

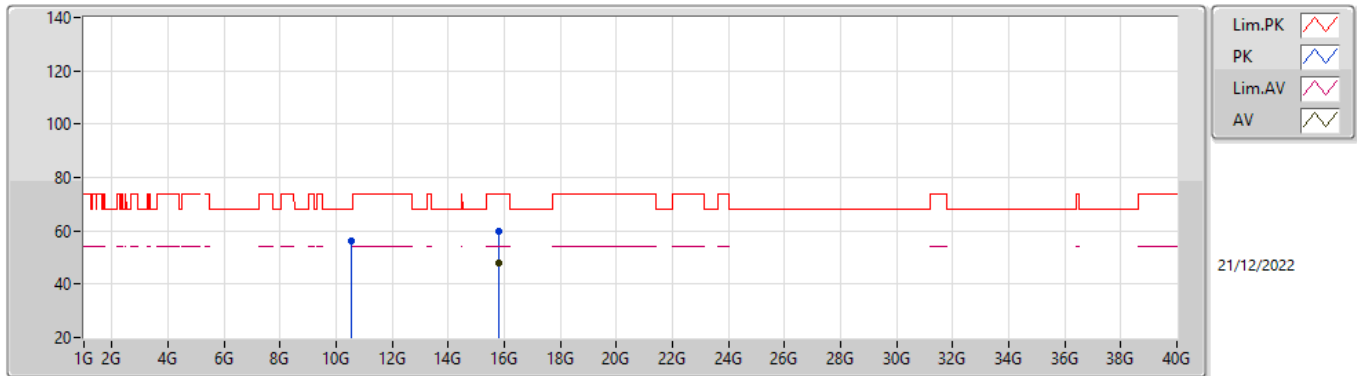


EUTY_4TX
 Setting 85
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.5354G	56.97	68.20	-11.23	42.71	3	Vertical	111	1.76	-	39.17	8.16	33.07
PK	15.80866G	60.28	74.00	-13.72	45.45	3	Vertical	73	2.85	-	38.51	10.23	33.91
AV	15.8054G	47.98	54.00	-6.02	33.15	3	Vertical	73	2.85	-	38.51	10.23	33.91

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5270MHz_TX

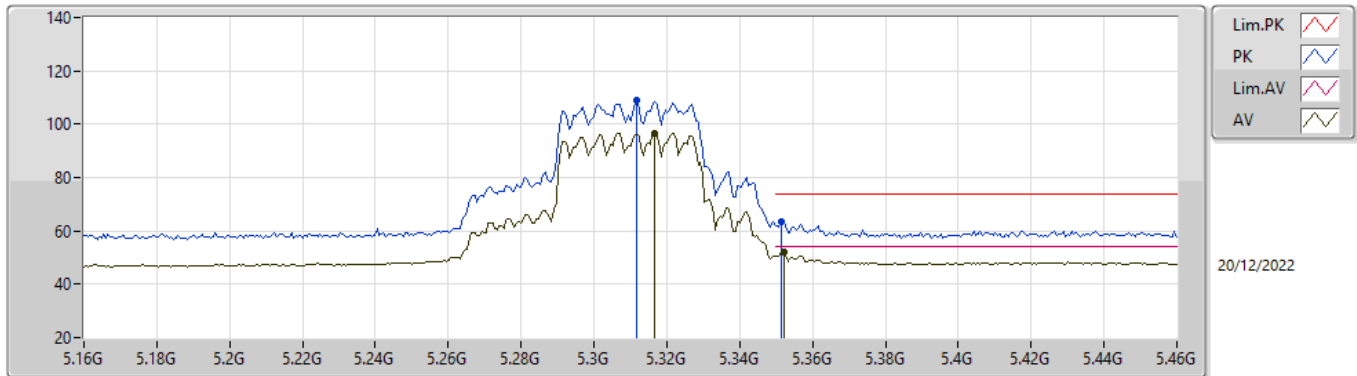


EUTY_4TX
 Setting 85
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.53768G	56.44	68.20	-11.76	42.17	3	Horizontal	289	2.11	-	39.18	8.16	33.07
PK	15.81364G	60.07	74.00	-13.93	45.24	3	Horizontal	257	2.63	-	38.51	10.23	33.91
AV	15.8065G	47.90	54.00	-6.10	33.07	3	Horizontal	257	2.63	-	38.51	10.23	33.91

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5310MHz_TX

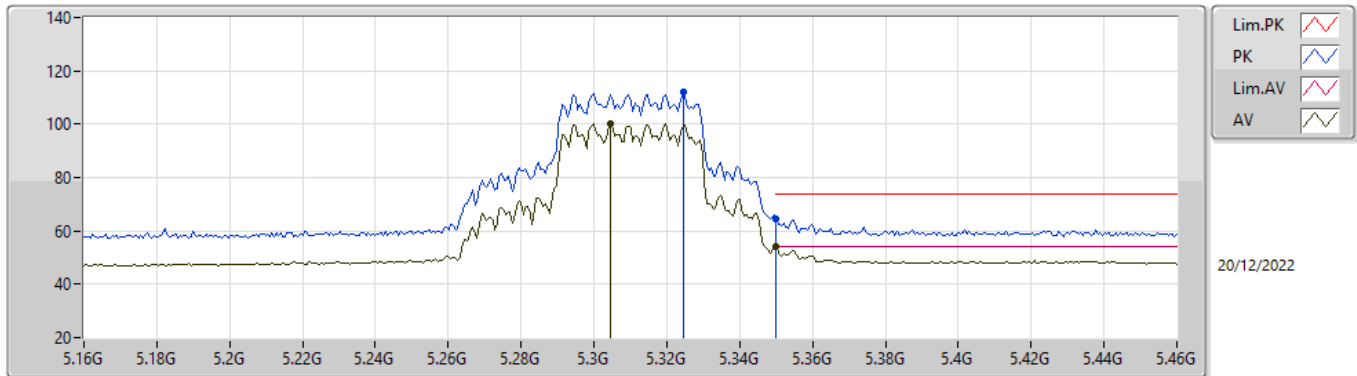


EUTY_4TX
 Setting 57
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3118G	108.96	Inf	-Inf	102.68	3	Vertical	278	1.87	-	33.20	5.56	32.48
AV	5.3166G	96.60	Inf	-Inf	90.32	3	Vertical	278	1.87	-	33.20	5.56	32.48
PK	5.3514G	63.52	74.00	-10.48	57.20	3	Vertical	278	1.87	-	33.21	5.58	32.47
AV	5.352G	52.00	54.00	-2.00	45.68	3	Vertical	278	1.87	-	33.21	5.58	32.47

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5310MHz_TX

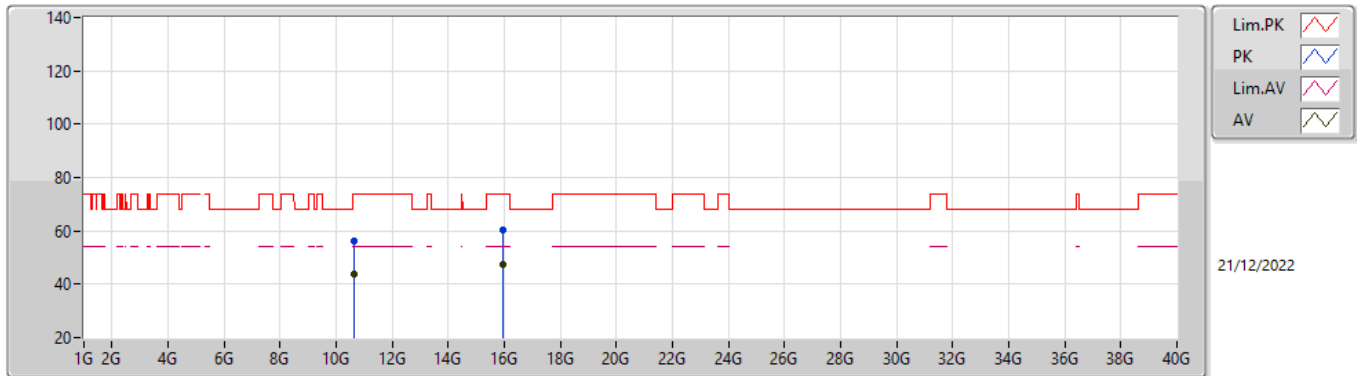


EUTY_4TX
Setting 57
04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3244G	111.94	Inf	-Inf	105.66	3	Horizontal	151	1.86	-	33.20	5.56	32.48
AV	5.3046G	100.42	Inf	-Inf	94.15	3	Horizontal	151	1.86	-	33.20	5.55	32.48
PK	5.35G	64.58	74.00	-9.42	58.27	3	Horizontal	151	1.86	-	33.20	5.58	32.47
AV	5.35G	53.90	54.00	-0.10	47.59	3	Horizontal	151	1.86	-	33.20	5.58	32.47

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5310MHz_TX

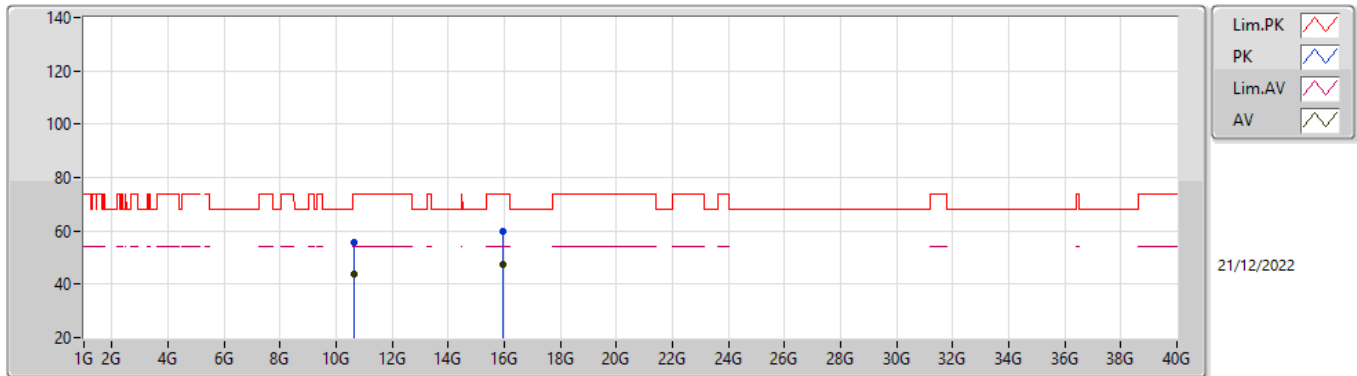


EUTY_4TX
 Setting 57
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.6174G	56.20	74.00	-17.80	41.85	3	Vertical	336	2.40	-	39.30	8.19	33.14
AV	10.62256G	43.84	54.00	-10.16	29.49	3	Vertical	336	2.40	-	39.30	8.19	33.14
PK	15.92784G	60.37	74.00	-13.63	45.51	3	Vertical	292	2.51	-	38.57	10.27	33.98
AV	15.932G	47.27	54.00	-6.73	32.41	3	Vertical	292	2.51	-	38.57	10.28	33.99

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5310MHz_TX

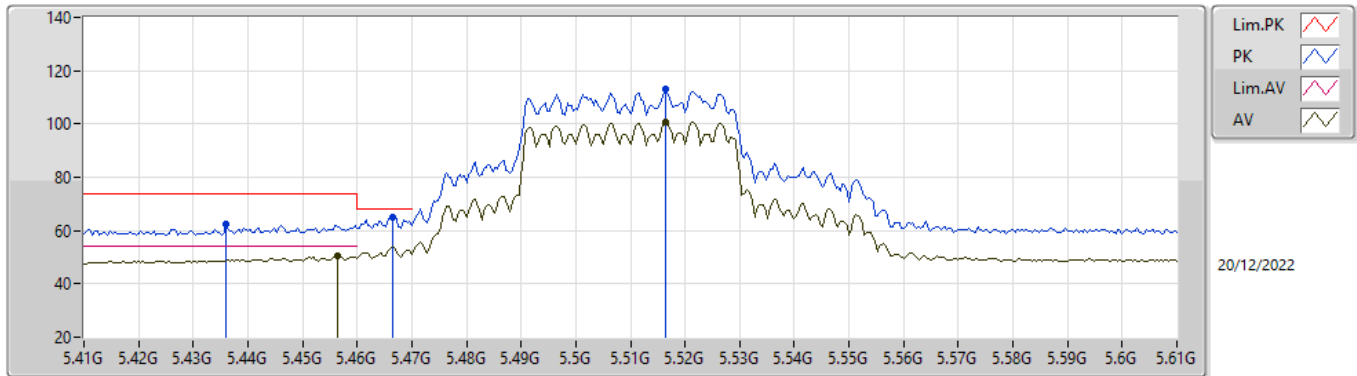


EUTY_4TX
 Setting 57
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	10.62044G	55.80	74.00	-18.20	41.45	3	Horizontal	265	2.14	-	39.30	8.19	33.14
AV	10.62104G	43.81	54.00	-10.19	29.46	3	Horizontal	265	2.14	-	39.30	8.19	33.14
PK	15.92728G	60.03	74.00	-13.97	45.17	3	Horizontal	317	2.62	-	38.57	10.27	33.98
AV	15.9345G	47.29	54.00	-6.71	32.43	3	Horizontal	317	2.62	-	38.57	10.28	33.99

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5510MHz_TX

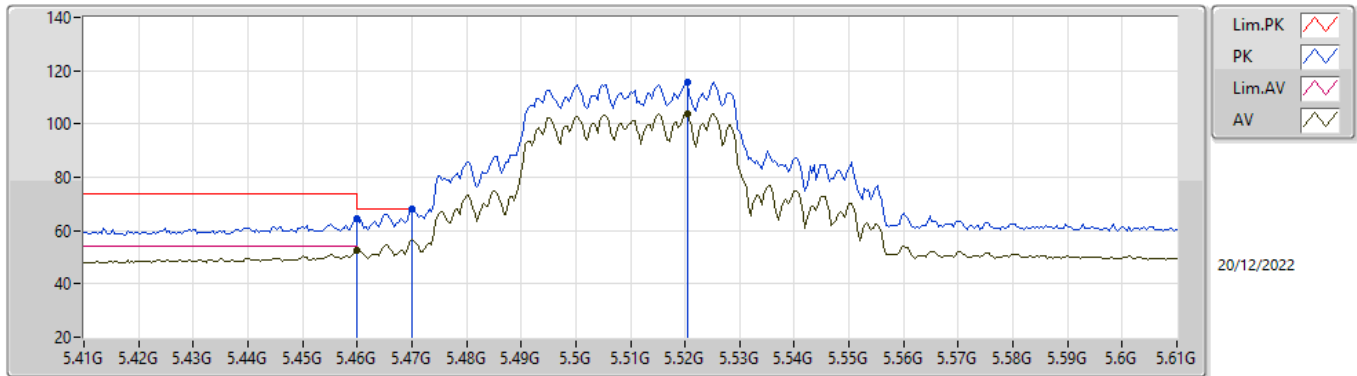


EUTY_4TX
 Setting 66
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.436G	62.23	74.00	-11.77	55.46	3	Vertical	279	1.89	-	33.62	5.60	32.45
PK	5.4664G	64.92	68.20	-3.28	58.03	3	Vertical	279	1.89	-	33.73	5.60	32.44
AV	5.4564G	50.69	54.00	-3.31	43.82	3	Vertical	279	1.89	-	33.71	5.60	32.44
PK	5.5164G	113.02	Inf	-Inf	106.02	3	Vertical	279	1.89	-	33.83	5.60	32.43
AV	5.5164G	100.83	Inf	-Inf	93.83	3	Vertical	279	1.89	-	33.83	5.60	32.43

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5510MHz_TX

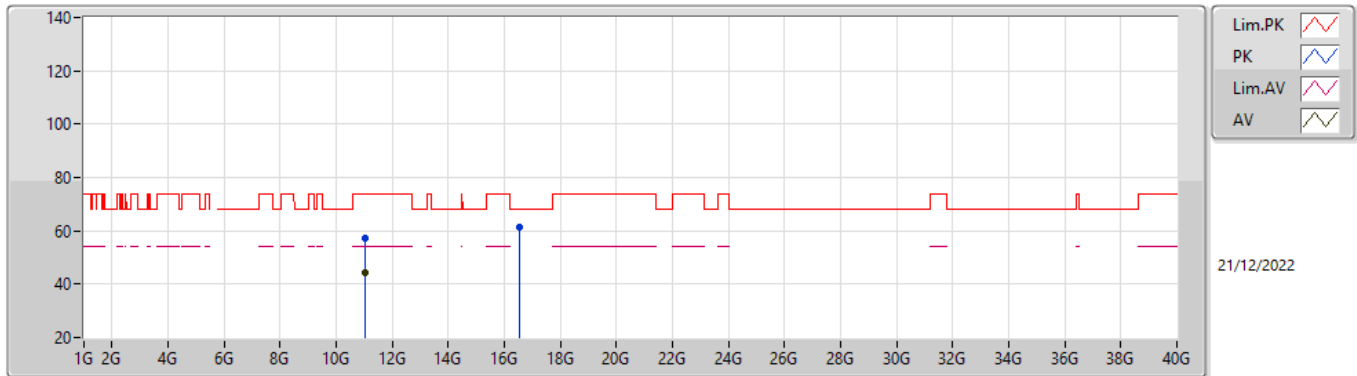


EUT_Y_4TX
 Setting 66
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.46G	64.36	74.00	-9.64	57.48	3	Horizontal	239	1.80	-	33.72	5.60	32.44
AV	5.46G	52.71	54.00	-1.29	45.83	3	Horizontal	239	1.80	-	33.72	5.60	32.44
PK	5.47G	68.03	68.20	-0.17	61.13	3	Horizontal	239	1.80	-	33.74	5.60	32.44
PK	5.5204G	115.83	Inf	-Inf	108.83	3	Horizontal	239	1.80	-	33.84	5.60	32.44
AV	5.5204G	104.05	Inf	-Inf	97.05	3	Horizontal	239	1.80	-	33.84	5.60	32.44

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5510MHz_TX

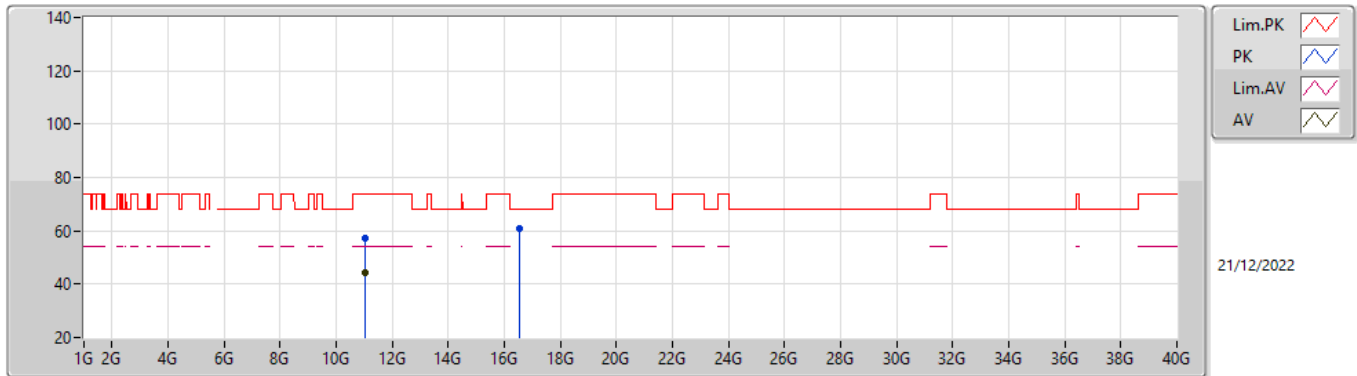


EUTY_4TX
 Setting 66
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.02008G	57.29	74.00	-16.71	43.11	3	Vertical	229	1.54	-	39.36	8.31	33.49
AV	11.02492G	44.47	54.00	-9.53	30.30	3	Vertical	229	1.54	-	39.35	8.31	33.49
PK	16.5272G	61.42	68.20	-6.78	44.82	3	Vertical	195	2.62	-	39.60	10.64	33.64

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5510MHz_TX

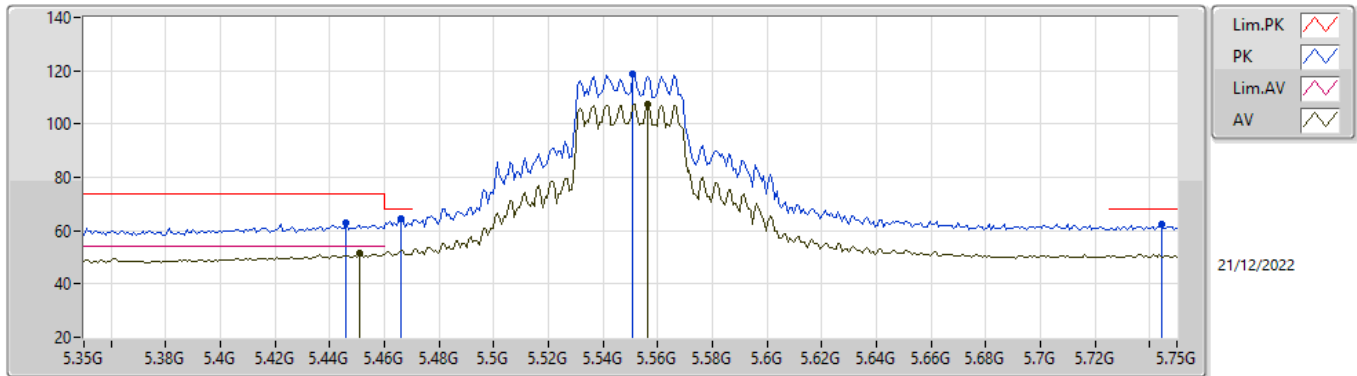


EUTY_4TX
 Setting 66
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.02078G	57.49	74.00	-16.51	43.31	3	Horizontal	39	2.99	-	39.36	8.31	33.49
AV	11.0216G	44.45	54.00	-9.55	30.27	3	Horizontal	39	2.99	-	39.36	8.31	33.49
PK	16.52566G	60.85	68.20	-7.35	44.25	3	Horizontal	15	2.26	-	39.60	10.64	33.64

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5550MHz_TX

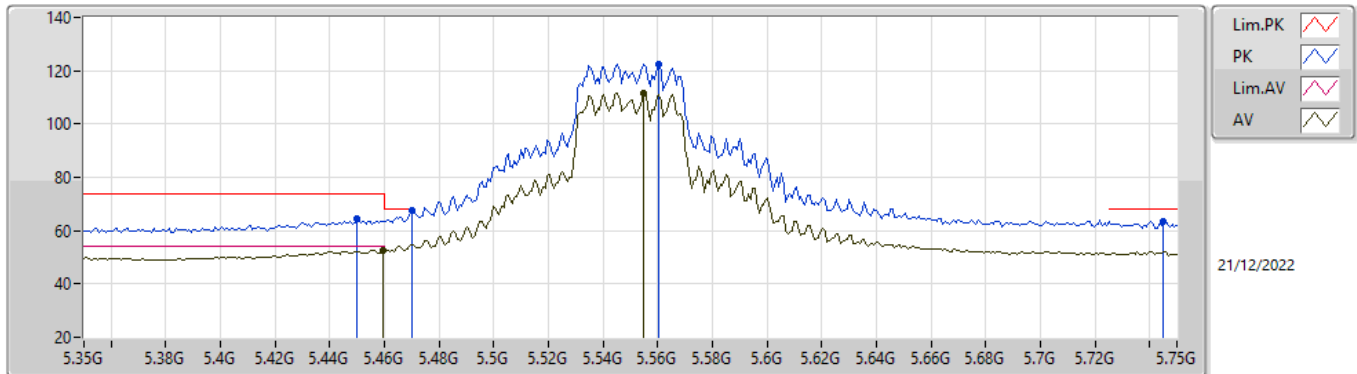


EUT_Y_4TX
 Setting 95
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.446G	62.95	74.00	-11.05	56.11	3	Vertical	281	2.13	-	33.68	5.60	32.44
AV	5.4508G	51.37	54.00	-2.63	44.51	3	Vertical	281	2.13	-	33.70	5.60	32.44
PK	5.466G	64.42	68.20	-3.78	57.53	3	Vertical	281	2.13	-	33.73	5.60	32.44
PK	5.5508G	118.78	Inf	-Inf	111.73	3	Vertical	281	2.13	-	33.90	5.60	32.45
AV	5.5564G	107.30	Inf	-Inf	100.22	3	Vertical	281	2.13	-	33.93	5.60	32.45
PK	5.7444G	62.32	68.20	-5.88	54.86	3	Vertical	281	2.13	-	34.29	5.67	32.50

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5550MHz_TX

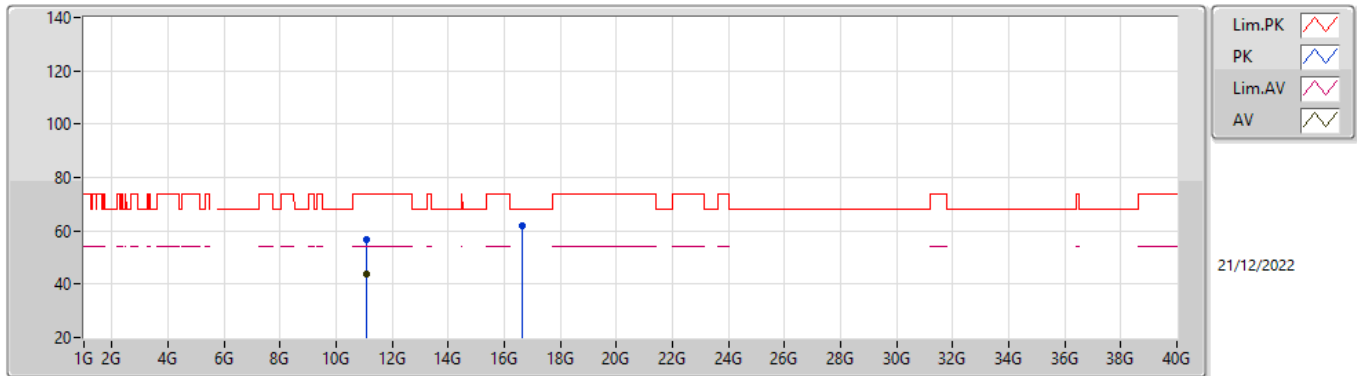


EUT_Y_4TX
 Setting 95
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.45G	64.35	74.00	-9.65	57.49	3	Horizontal	241	2.01	-	33.70	5.60	32.44
AV	5.4596G	52.67	54.00	-1.33	45.79	3	Horizontal	241	2.01	-	33.72	5.60	32.44
PK	5.47G	67.54	68.20	-0.66	60.64	3	Horizontal	241	2.01	-	33.74	5.60	32.44
PK	5.5604G	122.51	Inf	-Inf	115.42	3	Horizontal	241	2.01	-	33.94	5.60	32.45
AV	5.5548G	111.54	Inf	-Inf	104.47	3	Horizontal	241	2.01	-	33.92	5.60	32.45
PK	5.7452G	63.69	68.20	-4.51	56.23	3	Horizontal	241	2.01	-	34.29	5.67	32.50

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5550MHz_TX

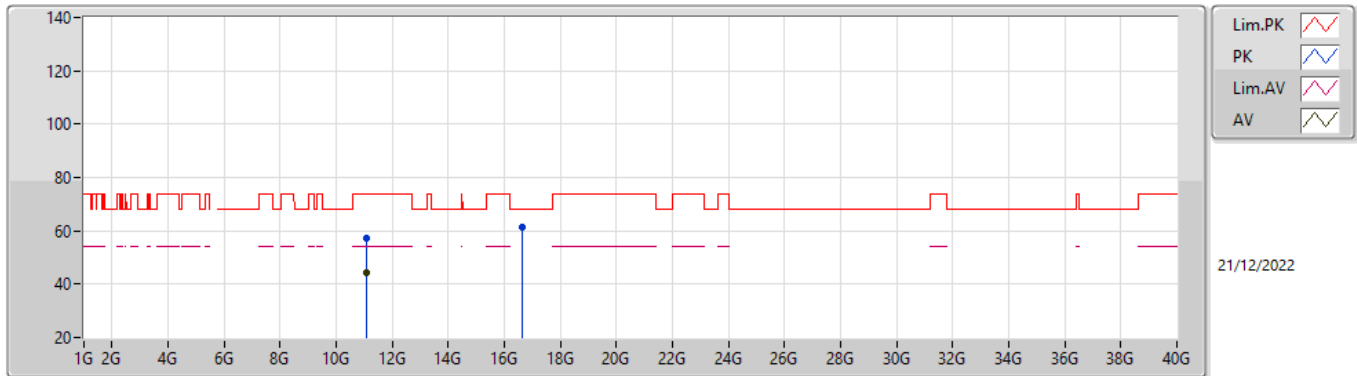


EUTY_4TX
 Setting 95
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.10184G	56.47	74.00	-17.53	42.53	3	Vertical	271	1.10	-	39.20	8.33	33.59
AV	11.09518G	44.03	54.00	-9.97	30.07	3	Vertical	271	1.10	-	39.21	8.33	33.58
PK	16.65038G	62.05	68.20	-6.15	45.25	3	Vertical	302	1.32	-	39.70	10.72	33.62

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5550MHz_TX

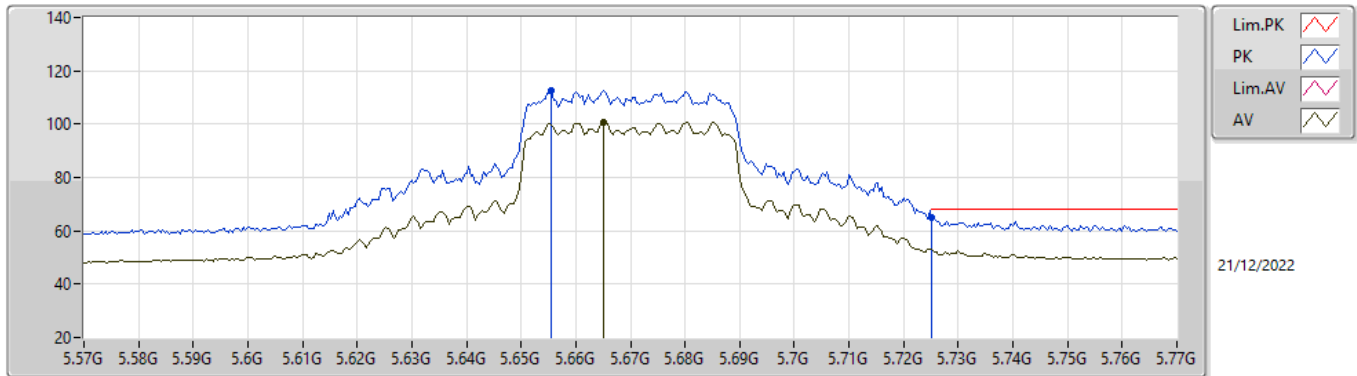


EUTY_4TX
 Setting 95
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.1035G	57.08	74.00	-16.92	43.14	3	Horizontal	213	2.85	-	39.20	8.33	33.59
AV	11.10466G	44.19	54.00	-9.81	30.25	3	Horizontal	213	2.85	-	39.20	8.33	33.59
PK	16.65138G	61.62	68.20	-6.58	44.82	3	Horizontal	317	1.09	-	39.70	10.72	33.62

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5670MHz_TX

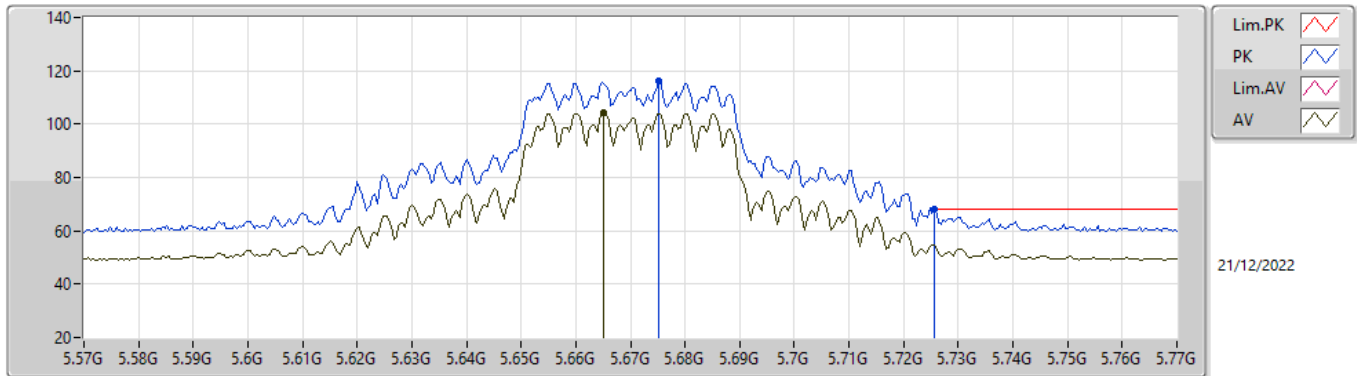


EUTY_4TX
 Setting 65
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6556G	112.83	Inf	-Inf	105.57	3	Vertical	160	2.25	-	34.11	5.63	32.48
AV	5.6652G	100.70	Inf	-Inf	93.42	3	Vertical	160	2.25	-	34.13	5.63	32.48
PK	5.7252G	64.80	68.20	-3.40	57.39	3	Vertical	160	2.25	-	34.25	5.66	32.50

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5670MHz_TX

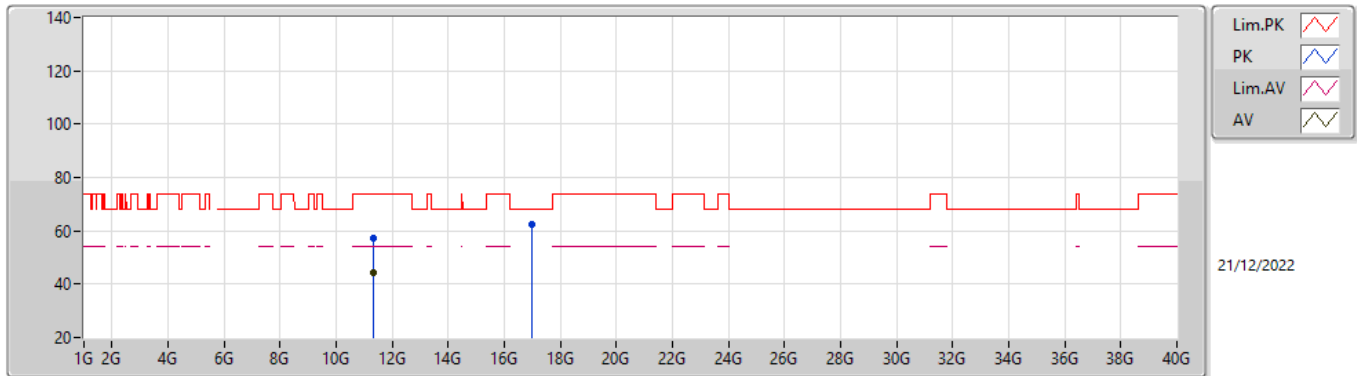


EUTY_4TX
Setting 65
04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6752G	116.01	Inf	-Inf	108.70	3	Horizontal	242	1.93	-	34.15	5.64	32.48
AV	5.6652G	104.13	Inf	-Inf	96.85	3	Horizontal	242	1.93	-	34.13	5.63	32.48
PK	5.7256G	68.11	68.20	-0.09	60.70	3	Horizontal	242	1.93	-	34.25	5.66	32.50

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5670MHz_TX

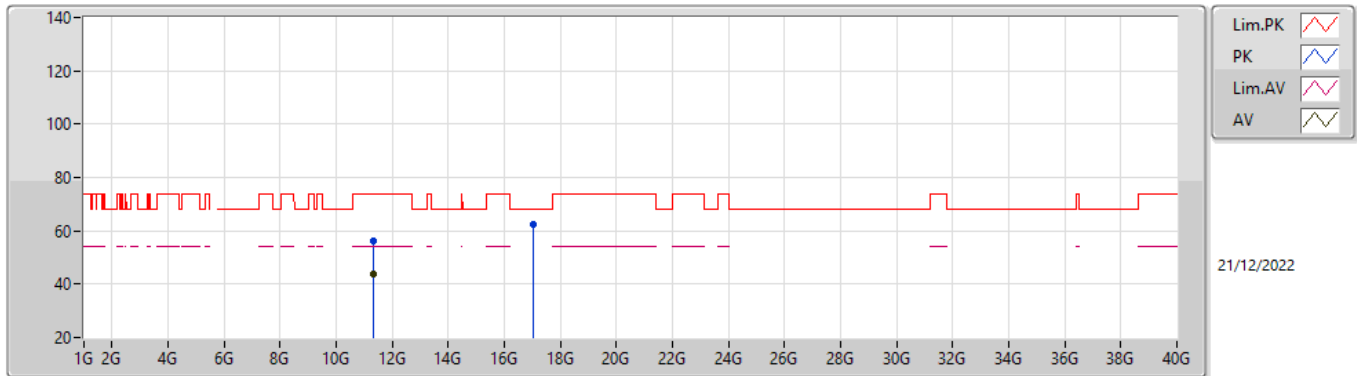


EUTY_4TX
 Setting 65
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.34194G	57.26	74.00	-16.74	43.49	3	Vertical	303	2.80	-	39.26	8.40	33.89
AV	11.33664G	44.06	54.00	-9.94	30.28	3	Vertical	303	2.80	-	39.26	8.40	33.88
PK	17.00816G	62.22	68.20	-5.98	44.29	3	Vertical	204	2.47	-	40.53	10.96	33.56

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5670MHz_TX

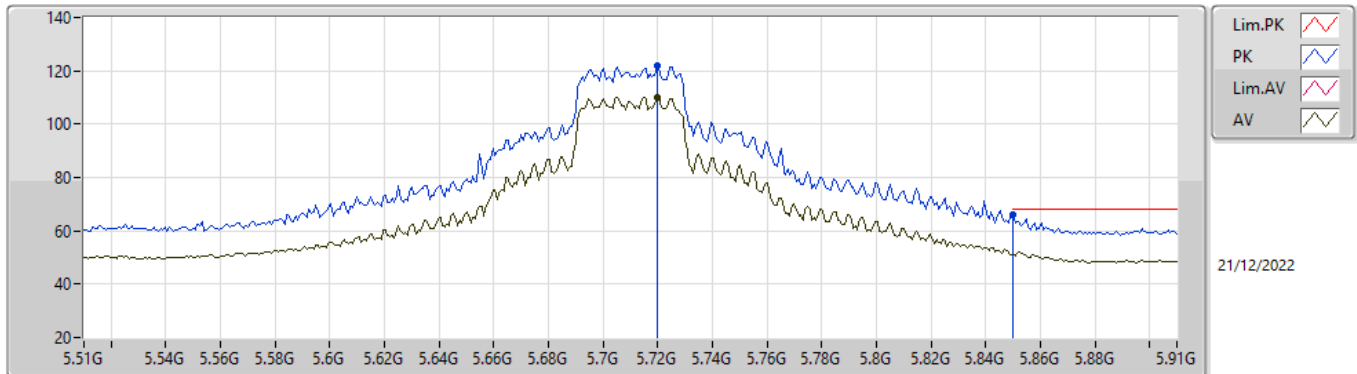


EUTY_4TX
 Setting 65
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.3382G	56.38	74.00	-17.62	42.61	3	Horizontal	37	1.18	-	39.26	8.40	33.89
AV	11.3369G	44.04	54.00	-9.96	30.26	3	Horizontal	37	1.18	-	39.26	8.40	33.88
PK	17.01186G	62.30	68.20	-5.90	44.35	3	Horizontal	0	2.18	-	40.55	10.96	33.56

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5710MHz Straddle 5.47-5.725GHz_TX

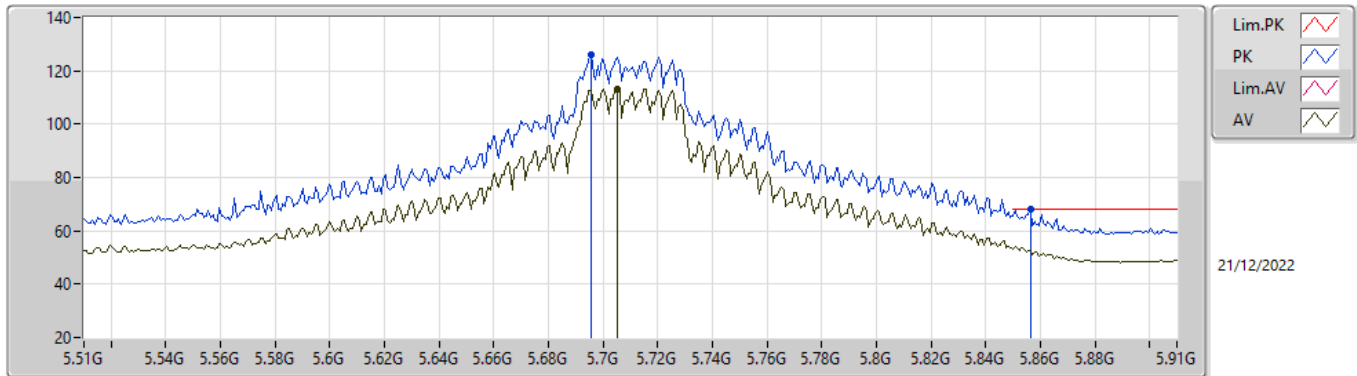


EUTY_4TX
 Setting 103
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7196G	121.88	Inf	-Inf	114.48	3	Vertical	157	2.20	-	34.24	5.66	32.50
AV	5.7196G	109.91	Inf	-Inf	102.51	3	Vertical	157	2.20	-	34.24	5.66	32.50
PK	5.85G	66.00	68.20	-2.20	58.41	3	Vertical	157	2.20	-	34.40	5.72	32.53

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5710MHz Straddle 5.47-5.725GHz_TX

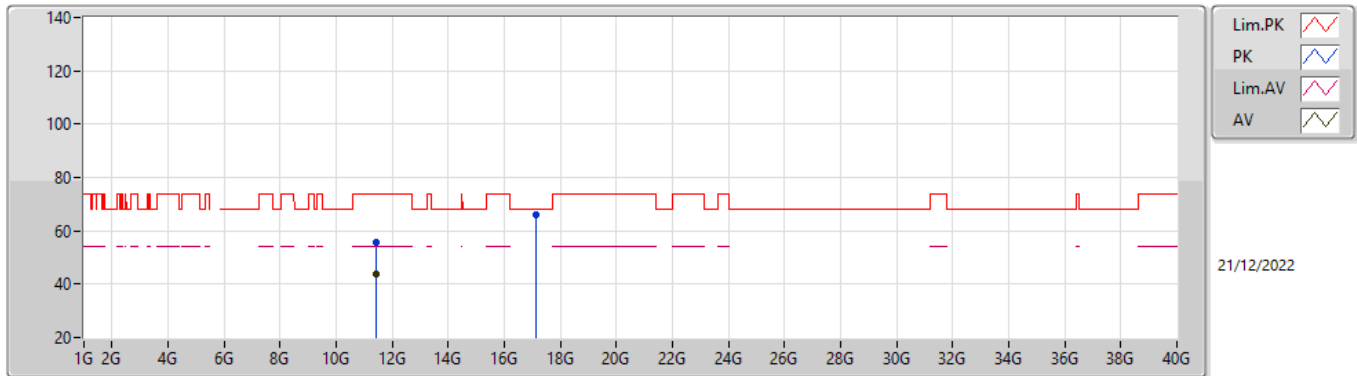


EUTY_4TX
 Setting 103
 04-D-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6956G	125.88	Inf	-Inf	118.53	3	Horizontal	241	1.86	-	34.19	5.65	32.49
AV	5.7052G	113.31	Inf	-Inf	105.94	3	Horizontal	241	1.86	-	34.21	5.65	32.49
PK	5.8564G	67.89	68.20	-0.31	60.24	3	Horizontal	241	1.86	-	34.46	5.73	32.54

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

5710MHz Straddle 5.47-5.725GHz_TX



EUTY_4TX
 Setting 103
 04-D-K-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.41884G	55.90	74.00	-18.10	42.26	3	Vertical	89	2.79	-	39.20	8.43	33.99
AV	11.42676G	43.66	54.00	-10.34	30.03	3	Vertical	89	2.79	-	39.20	8.43	34.00
PK	17.12448G	65.93	68.20	-2.27	47.51	3	Vertical	217	2.06	-	40.97	11.03	33.58