FCC Test Report

FCC ID	:	**I8811AXAP24**
Equipment	:	**802.11ax (WiFi 6) Dual-Radio Unified Access Point**
Model No.	:	**WAX610D, NWA210AX**
Multiple Listing	:	**Refer to item 1.1.1 for more details.**
Brand Name	:	**ZYXEL**
Applicant	:	**Zyxel Communications Corporation**
Address	:	**No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075, Taiwan, R.O.C**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Apr. 06, 2020**
Tested Date	:	**Apr. 23 ~ May 11, 2020**

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by: **Approved by:**

Along Chen / Assistant Manager **Gary Chang / Manager**

Testing Laboratory 2732

Table of Contents

Release Record

Report No.	Version	Description	Issued Date
FR040603AN	Rev. 01	Initial issue	May 28, 2020

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 2.961MHz 42.88 (Margin -3.12dB) - AV	Pass
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 17475.00MHz 68.02 (Margin -0.18dB) - PK	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(e)	6dB bandwidth	Meet the requirement of limit	Pass
15.407(a)	RF Output Power	Max Power [dBm]: ***Non-beamforming mode*** 5150~5250MHz: 26.80 5250~5350MHz: 22.64 5470~5725MHz: 23.22 5725~5850MHz: 29.11 ***Beamforming mode*** 5150~5250MHz: 20.78 5250~5350MHz: 16.62 5470~5725MHz: 17.20 5725~5850MHz: 22.68	Pass
15.407(a)	Peak Power Spectral Density	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
ZYXEL	WAX610D	802.11ax (WiFi 6) Dual-Radio Unified Access Point	Difference between two models is software.
	NWA210AX	802.11ax (WiFi 6) Dual-Radio PoE Access Point	
✦ The above models, model **WAX610D** was selected as a representative one for the final test and only its data was recorded in this report.			

1.1.2 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
5150-5250 5250-5350 5470-5725 5725-5850	a	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	4	6-54 Mbps
5150-5250 5250-5350 5470-5725 5725-5850	n (HT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	4	MCS 0-31
5150-5250 5250-5350 5470-5725 5725-5850	n (HT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	4	MCS 0-31
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	4	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	4	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT80)	5210 5290 5530~5690 5775	42 [1] 58 [1] 106-138 [3] 155 [1]	4	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ax (HE20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	4	MCS 0-11
5150-5250 5250-5350 5470-5725 5725-5850	ax (HE40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	4	MCS 0-11
5150-5250 5250-5350 5470-5725 5725-5850	ax (HE80)	5210 5290 5530~5690 5775	42 [1] 58 [1] 106-138 [3] 155 [1]	4	MCS 0-11
Note 1: Chip feature: OFDM/OFDMA- BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024 QAM modulation. Note 2: Operating modes of this device are listed as above table. Note 3: 802.11ax supports beamforming function.					

Combination of channel list for 80+80MHz mode

Mode	Channels
1	CH42 (5210 MHz) + CH58 (5290 MHz)
2	CH106(5530 MHz) + CH122 (5610 MHz)

1.1.3 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)			
				5150~5250	5250~5350	5470~5725	5725~5850
1	AP886-V3	Dipole	IPEX	3.2	4.2	4.3	5
2	AP886-V3	PIFA	IPEX	3.2	4.2	4.3	5
3	AP886-V3	Dipole	IPEX	3.2	4.2	4.3	5
4	AP886-V3	Dipole	IPEX	3.2	4.2	4.3	5
5	AP886-V3	Dipole	IPEX	3.2	4.2	4.3	5

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from adapter 30~57Vdc from POE

Note: The above power supply for POE is not bundled in market.

1.1.5 Accessories

Accessories		
No.	**Equipment**	**Description**
1	AC adapter (Only for model: NWA210AX)	Brand: APD Model: WA-24Q12R I/P: 100-240Vac, 50-60Hz, 0.7A Max O/P: 12Vdc, 2A Power Line: DC 1.45m non-shielded without core

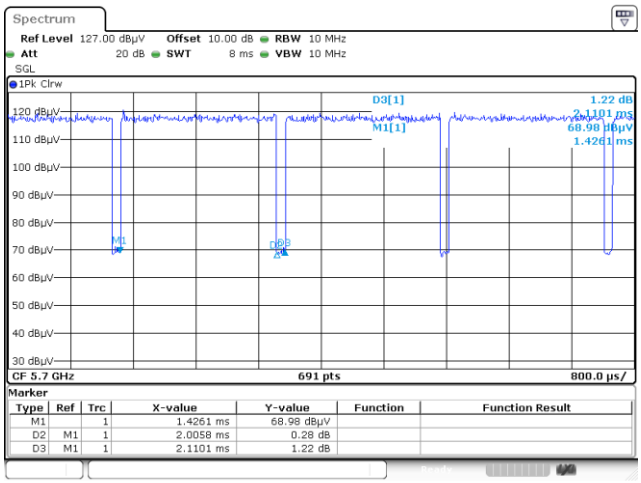
1.1.6 Channel List

802.11a / n HT20 / ac VHT20 / ax HE20		802.11n HT40 / ac VHT40 / ax HE40	
Channel	**Frequency(MHz)**	**Channel**	**Frequency(MHz)**
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	142	5710
108	5540	151	5755
112	5560	159	5795
116	5580	**802.11ac VHT80 / ax HE80**	
120	5600	42	5210
124	5620	58	5290
128	5640	106	5530
132	5660	122	5610
136	5680	138	5690
140	5700	155	5775
144	5720	---	---
149	5745	**802.11 ax (HE80+80)**	
153	5765	42	5210
157	5785	58	5290
161	5805	106	5530
165	5825	122	5610

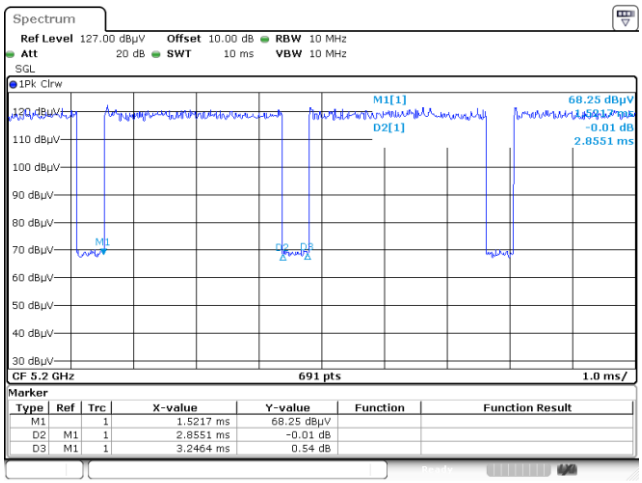
1.1.7 Test Tool and Duty Cycle

Test Tool	QSPR, v5.0-00170		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11a	95.06%	0.22
	ax (HE20)	87.95%	0.56
	ax (HE40)	83.46%	0.79
	ax (HE80)	92.86%	0.32
	ax (HE80+80)	96.44%	0.16

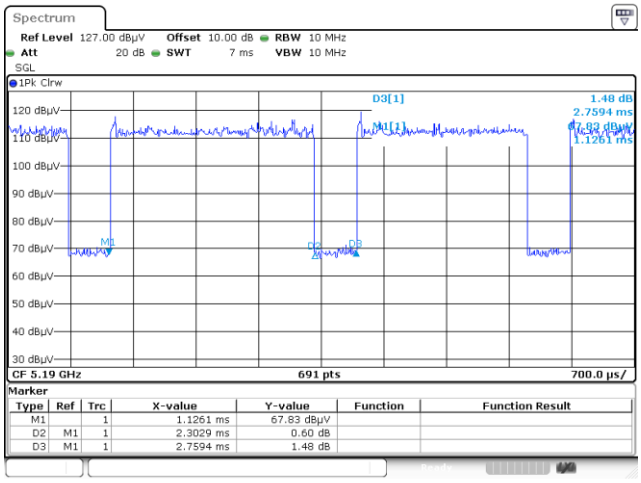
11a



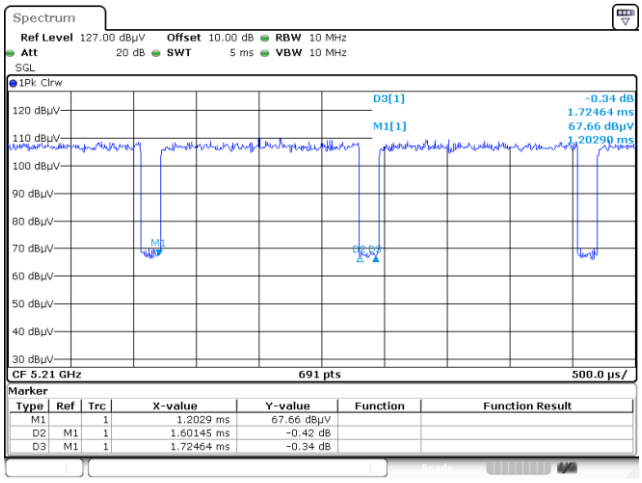
ax (HE20)

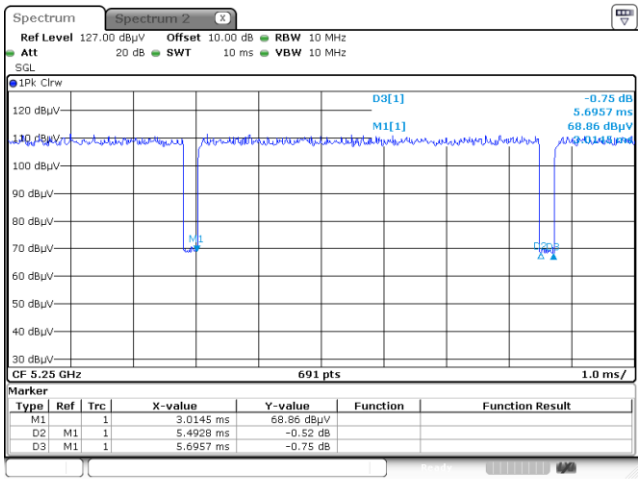


ax (HE40)



ax (HE80)



ax (HE80+80)	---
 Spectrum Spectrum 2 Ref Level 127.00 dBµV Offset 10.00 dB RBW 10 MHz Att 20 dB SWT 10 ms VBW 10 MHz SGL 1Pk Clrw D3[1] -0.75 dB 5.6957 ms M1[1] 68.86 dBµV 120 dBµV 110 dBµV 100 dBµV 90 dBµV 80 dBµV 70 dBµV 60 dBµV 50 dBµV 40 dBµV 30 dBµV CF 5.25 GHz 691 pts 1.0 ms/ Marker Type Ref Trc X-value Y-value Function Function Result M1 1 3.0145 ms 68.86 dBµV D2 M1 1 5.4928 ms -0.52 dB D3 M1 1 5.6957 ms -0.75 dB	---

1.1.8 Power Index of Test Tool

For Frequency band 5150-5250 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Index**
11a	5180	20.5
11a	5200	20.5
11a	5240	20.5
ax (HE20)	5180	21.5
ax (HE20)	5200	25
ax (HE20)	5240	25
ax (HE40)	5190	14.5
ax (HE40)	5230	20.5
ax (HE80)	5210	13.5
ax (HE80+80)	5210	10

For Frequency band 5250~5350 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Index**
11a	5260	13.5
11a	5300	13.5
11a	5320	13.5
ax (HE20)	5260	18
ax (HE20)	5300	18
ax (HE20)	5320	18
ax (HE40)	5270	16.5
ax (HE40)	5310	15
ax (HE80)	5290	16
ax (HE80+80)	5290	10

For Frequency band 5470~5725 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Index**
11a	5500	13.5
11a	5580	13.5
11a	5700	13.5
ax (HE20)	5500	18
ax (HE20)	5580	18
ax (HE20)	5700	18
ax (HE40)	5510	14
ax (HE40)	5590	16.5
ax (HE40)	5670	13.5
ax (HE80)	5530	15
ax (HE80)	5610	17
ax (HE80+80)	5530 + 5610 MHz	13

Channel that extends across the 5.725 GHz boundary

For Frequency band 5470~5725 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Index**
11a	5720MHz	13.5
ax (HE20)	5720MHz	18
ax (HE40)	5710MHz	16.5
ax (HE80)	5690MHz	17

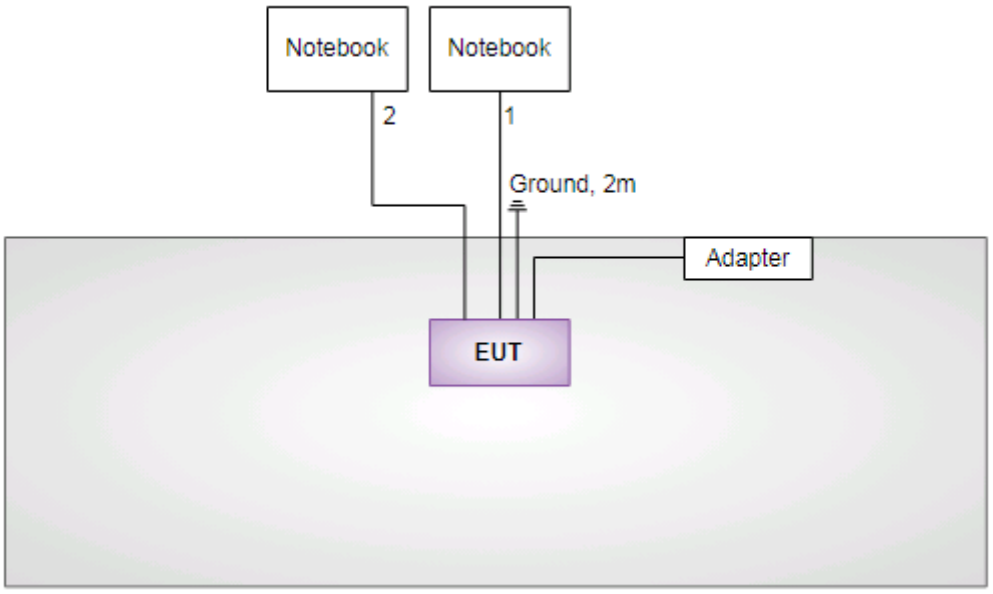
For Frequency band 5725~5850 MHz		
Modulation Mode	**Test Frequency (MHz)**	**Power Index**
11a	5745	23.5
11a	5785	23.5
11a	5825	23.5
ax (HE20)	5745	26
ax (HE20)	5785	27.5
ax (HE20)	5825	27.5
ax (HE40)	5755	17.5
ax (HE40)	5795	22
ax (HE80)	5775	20.5

1.2 Local Support Equipment List

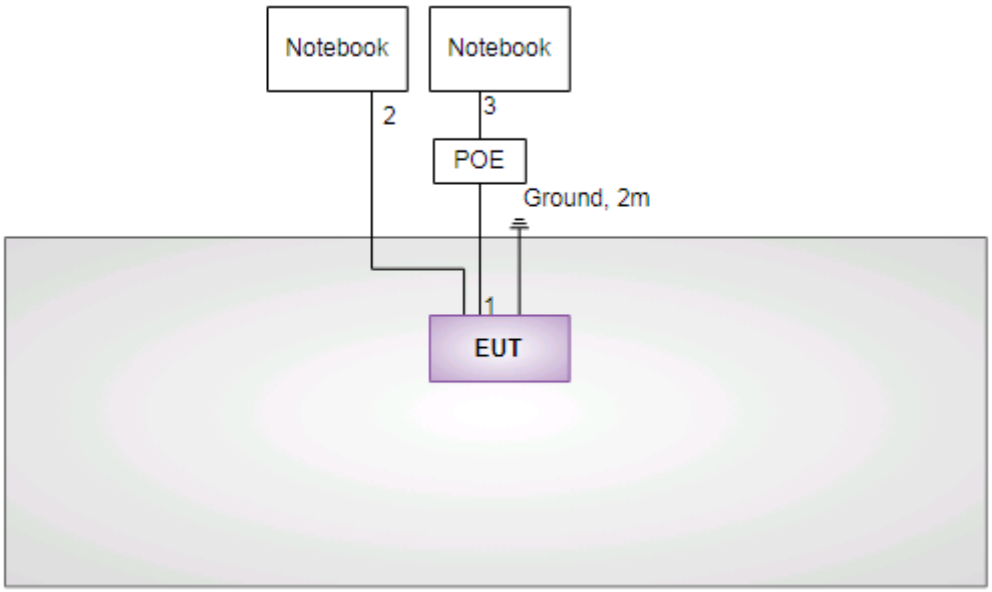
Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Notebook	DELL	Latitude E5470	DoC	---
2	Notebook	DELL	Latitude E5420	DoC	---
3	Ground Cable	ICC	GC-2m	---	---
4	RJ45	ICC	RJ45-10m	---	---
5	RJ45	ICC	RJ45-10m	---	---
6	RJ45	ICC	RJ45-1.3m	---	---
7	POE Switch	ZYXEL	XS1930-12HP	---	Provided by applicant.

1.3 Test Setup Chart

Test Setup Diagram (Adapter mode)



No.	Signal cable / Length (m)
1	RJ45, 10m non-shielded.
2	RJ45, 10m non-shielded.

Test Setup Diagram (POE mode)	
	
No.	**Signal cable / Length (m)**
1	RJ45, 10m non-shielded.
2	RJ45, 10m non-shielded.
3	RJ45, 1m non-shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	May 06 ~ May 11, 2020				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101658	Dec. 12, 2019	Dec. 11, 2020
LISN	R&S	ENV216	101579	Mar. 12, 2020	Mar. 11, 2021
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 22, 2019	Oct. 21, 2020
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber 3 / (03CH03-WS)				
Tested Date	Apr. 23 ~ May 09, 2020				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101499	Jan. 09, 2020	Jan. 08, 2021
Receiver	R&S	ESR3	101657	Feb. 14, 2020	Feb. 13, 2021
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jul. 12, 2019	Jul. 11, 2020
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Dec. 27, 2019	Dec. 26, 2020
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 15, 2019	Nov. 14, 2020
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 13, 2019	Nov. 12, 2020
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 07, 2019	Oct. 06, 2020
Preamplifier	EMC	EMC02325	980187	Aug. 14, 2019	Aug. 13, 2020
Preamplifier	Agilent	83017A	MY53270014	Aug. 07, 2019	Aug. 06, 2020
Preamplifier	EMC	EMC184045B	980192	Aug. 01, 2019	Jul. 31, 2020
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/**4**	Sep. 27, 2019	Sep. 26, 2020
RF cable-8M	EMC	EMC104-SM-SM-8000	181107	Sep. 27, 2019	Sep. 26, 2020
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Sep. 27, 2019	Sep. 26, 2020
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Sep. 27, 2019	Sep. 26, 2020
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 27, 2019	Sep. 26, 2020
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 27, 2019	Sep. 26, 2020
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Apr. 30, 2020				
Instrument	**Manufacturer**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101063	Apr. 30, 2020	Apr. 29, 2021
Power Meter	Anritsu	ML2495A	1241002	Oct. 23, 2019	Oct. 22, 2020
Power Sensor	Anritsu	MA2411B	1207366	Oct. 23, 2019	Oct. 22, 2020
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 02, 2019	Dec. 01, 2020
Measurement Software	Sporton	SENSE-15247_DTS	V5.9	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Testing Applied Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.407
ANSI C63.10-2013
FCC KDB 789033 D02 General UNII Test Procedures New Rules
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
FCC KDB 412172 D01 Determining ERP and EIRP v01r01

1.6 Deviation from Test Standard and Measurement Procedure

None

1.7 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Measurement Uncertainty	
Parameters	**Uncertainty**
Bandwidth	±34.130 Hz
Conducted power	±0.808 dB
Frequency error	$\pm 1 \times 10^{-9}$
Power density	±0.583 dB
Conducted emission	±2.715 dB
AC conducted emission	±2.92 dB
Radiated emission ≤ 1GHz	±3.96 dB
Radiated emission > 1GHz	±4.51 dB
Time	±0.1%
Temperature	±0.4 ^{o}C

2 Test Configuration

2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	25°C / 57%	Alex Tsai
Radiated Emissions	03CH03-WS	23-24°C / 60-65%	Brad Wu Roger Lu
RF Conducted	TH01-WS	25°C / 66%	Aska Huang

- FCC Designation No.: TW0009
- FCC site registration No.: 207696
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Frequency band 5150~5250 MHz / 5250~5350 MHz / 5470~5725 MHz					
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate (Mbps) / MCS**	**Mode**	**Test Configuration**
Conducted Emissions	ax (HE20)	5240	MCS 0	TX	1, 2
Radiated Emissions ≤1GHz	ax (HE20)	5240	MCS 0	TX	1, 2
RF Output Power	11a	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	TX	1
	ax (HE20)	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	TX	
	ax (HE40)	5190 / 5230/ 5270 / 5310 / 5510/ 5590 / 5670 / 5710	MCS 0	TX	
	ax (HE80)	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	TX	
	ax (HE80+80)	5210 + 5290 / 5530 + 5610	MCS 0	TX	
RF Output Power	ax (HE20)	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	TX	3
	ax (HE40)	5190 / 5230/ 5270 / 5310 / 5510/ 5590 / 5670 / 5710	MCS 0	TX	
	ax (HE80)	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	TX	
	ax (HE80+80)	5210 + 5290 / 5530 + 5610	MCS 0	TX	
Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	TX	1
	ax (HE20)	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	TX	
	ax (HE40)	5190 / 5230/ 5270 / 5310 / 5510 / 5590 / 5670 / 5710	MCS 0	TX	
	ax (HE80)	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	TX	
	ax (HE80+80)	5210 + 5290 / 5530 + 5610	MCS 0	TX	
Frequency Stability	Un-modulation	5320	---	TX	1

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** results were found as the worst case and were shown in this report.
2. The EUT had been tested by following test configurations.
   1) Configuration 1: Adapter mode, Non-Beamforming
   2) Configuration 2: POE mode, Non-Beamforming
   3) Configuration 3: Adapter mode, Beamforming

Frequency band 5725-5850 MHz					
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate (Mbps) / MCS**	**Mode**	**Test Configuration**
Conducted Emissions	11a	5785	6 Mbps	TX	1, 2
Radiated Emissions ≤1GHz	11a	5785	6 Mbps	TX	1, 2
RF Output Power	11a	5745 / 5785 / 5825	6 Mbps	TX	1
	ax (HE20)	5745 / 5785 / 5825	MCS 0		
	ax (HE40)	5755 / 5795	MCS 0		
	ax (HE80)	5775	MCS 0		
RF Output Power	ax (HE20)	5745 / 5785 / 5825	MCS 0	TX	3
	ax (HE40)	5755 / 5795	MCS 0		
	ax (HE80)	5775	MCS 0		
Radiated Emissions >1GHz Emission Bandwidth 6dB bandwidth Peak Power Spectral Density	11a	5745 / 5785 / 5825	6 Mbps	TX	1
	ax (HE20)	5745 / 5785 / 5825	MCS 0		
	ax (HE40)	5755 / 5795	MCS 0		
	ax (HE80)	5775	MCS 0		
Frequency Stability	Un-modulation	5785	---	TX	1

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** results were found as the worst case and were shown in this report.
2. The EUT had been tested by following test configurations.
   1) Configuration 1: Adapter mode, Non-Beamforming
   2) Configuration 2: POE mode, Non-Beamforming
   3) Configuration 3: Adapter mode, Beamforming

3 Transmitter Test Results

3.1 Conducted Emissions

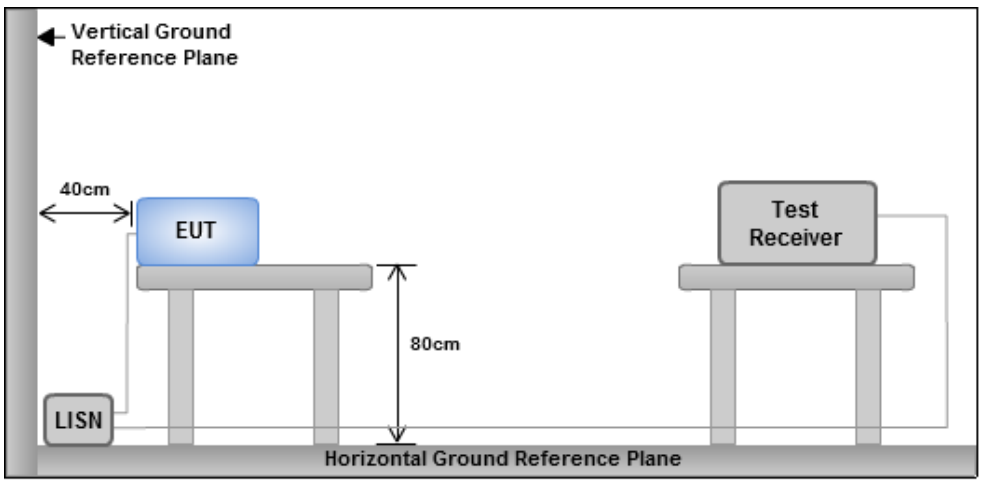
3.1.1 Limit of Conducted Emissions

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

3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

3.1.3 Test Setup

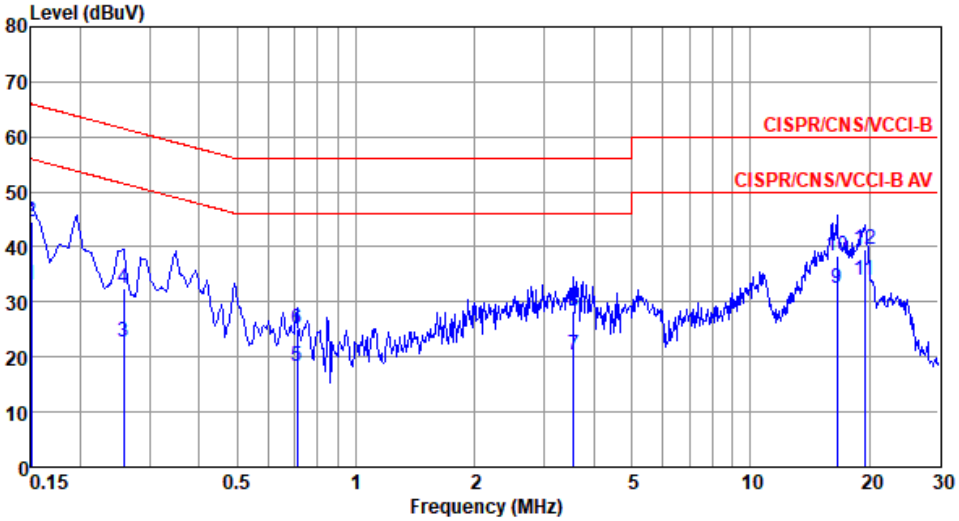


Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

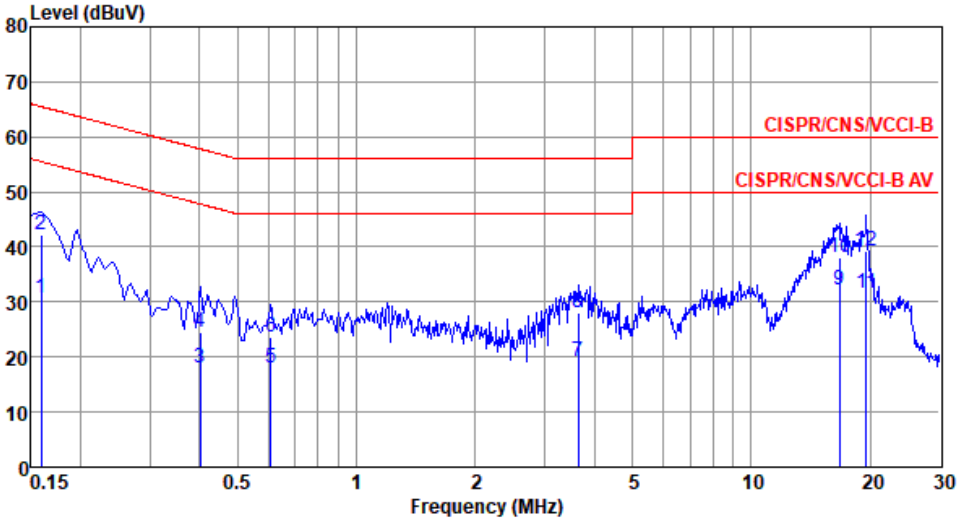
Modulation	ax (HE20)	Test Freq. (MHz)	5240
Power Phase	Line	Test Configuration	1



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.150	33.09	56.00	-22.91	23.24	9.64	0.05	Average
2	0.150	44.49	66.00	-21.51	34.64	9.64	0.05	QP
3	0.258	22.86	51.51	-28.65	12.95	9.63	0.07	Average
4	0.258	32.37	61.51	-29.14	22.46	9.63	0.07	QP
5	0.708	18.44	46.00	-27.56	8.42	9.63	0.10	Average
6	0.708	25.17	56.00	-30.83	15.15	9.63	0.10	QP
7	3.565	20.50	46.00	-25.50	10.21	9.65	0.27	Average
8	3.565	28.42	56.00	-27.58	18.13	9.65	0.27	QP
9	16.573	32.42	50.00	-17.58	21.56	9.71	0.62	Average
10	16.573	38.32	60.00	-21.68	27.46	9.71	0.62	QP
11*	19.428	33.94	50.00	-16.06	22.97	9.72	0.65	Average
12	19.428	39.52	60.00	-20.48	28.55	9.72	0.65	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

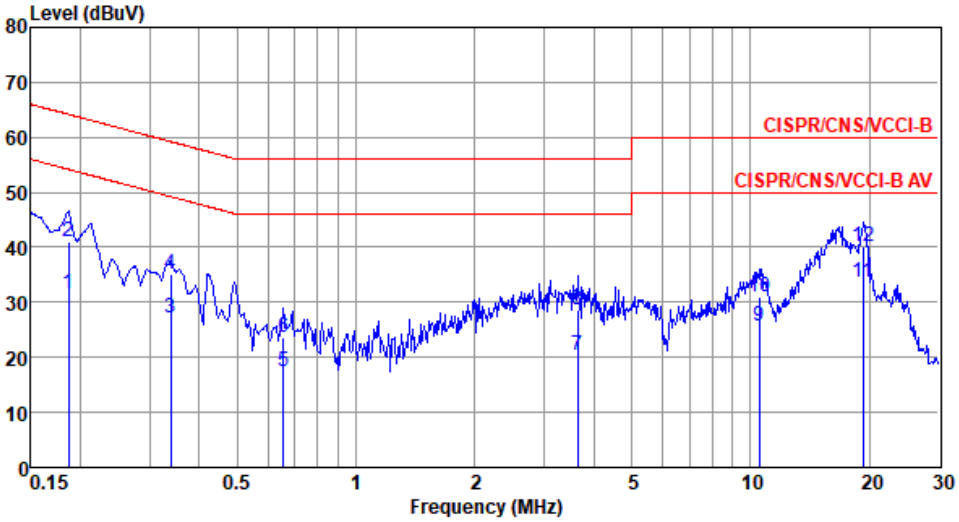
Modulation	ax (HE20)	**Test Freq. (MHz)**	5240
Power Phase	Neutral	**Test Configuration**	1



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.159	30.78	55.52	-24.74	20.94	9.66	0.05	Average
2	0.159	42.12	65.52	-23.40	32.28	9.66	0.05	QP
3	0.402	18.15	47.81	-29.66	8.25	9.65	0.08	Average
4	0.402	24.59	57.81	-33.22	14.69	9.65	0.08	QP
5	0.608	17.90	46.00	-28.10	7.97	9.65	0.10	Average
6	0.608	23.61	56.00	-32.39	13.68	9.65	0.10	QP
7	3.642	19.23	46.00	-26.77	9.03	9.67	0.27	Average
8	3.642	27.93	56.00	-28.07	17.73	9.67	0.27	QP
9*	16.750	32.26	50.00	-17.74	21.40	9.81	0.62	Average
10	16.750	38.04	60.00	-21.96	27.18	9.81	0.62	QP
11	19.532	31.59	50.00	-18.41	20.59	9.84	0.65	Average
12	19.532	39.19	60.00	-20.81	28.19	9.84	0.65	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

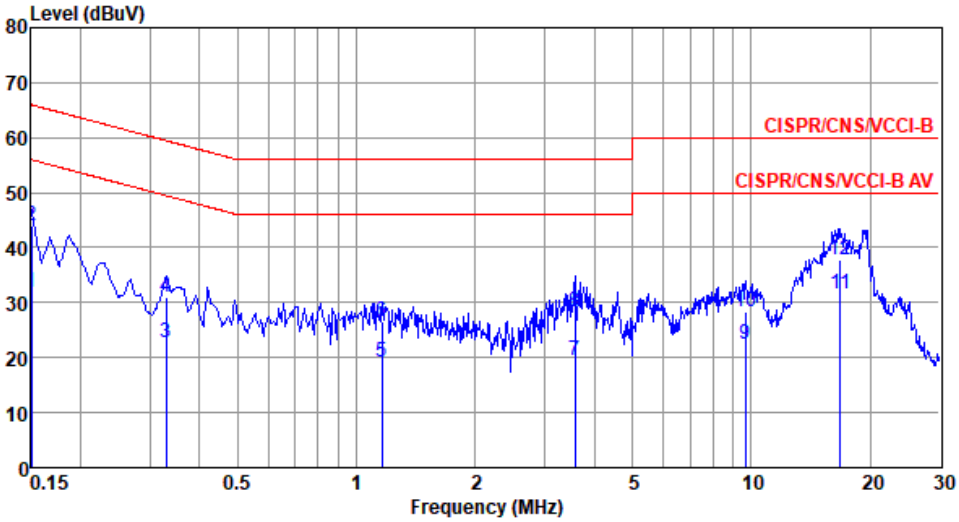
Modulation	11a	Test Freq. (MHz)	5785
Power Phase	Line	Test Configuration	1



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.186	31.49	54.20	-22.71	21.62	9.63	0.06	Average
2	0.186	41.01	64.20	-23.19	31.14	9.63	0.06	QP
3	0.339	27.16	49.22	-22.06	17.21	9.63	0.08	Average
4	0.339	35.14	59.22	-24.08	25.19	9.63	0.08	QP
5	0.654	17.45	46.00	-28.55	7.43	9.63	0.10	Average
6	0.654	23.66	56.00	-32.34	13.64	9.63	0.10	QP
7	3.642	20.28	46.00	-25.72	9.99	9.65	0.27	Average
8	3.642	28.63	56.00	-27.37	18.34	9.65	0.27	QP
9	10.508	25.64	50.00	-24.36	15.12	9.69	0.42	Average
10	10.508	30.96	60.00	-29.04	20.44	9.69	0.42	QP
11*	19.326	33.67	50.00	-16.33	22.71	9.72	0.65	Average
12	19.326	40.28	60.00	-19.72	29.32	9.72	0.65	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

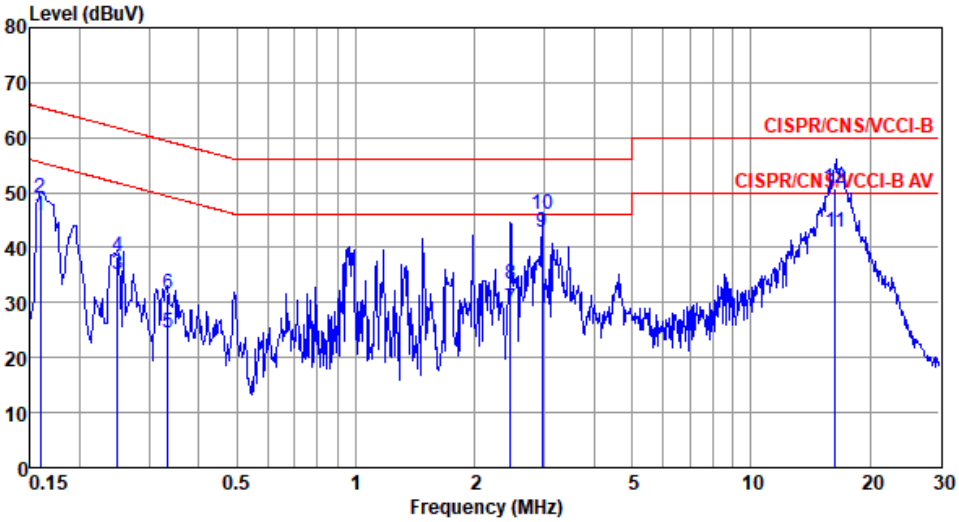
Modulation	11a	Test Freq. (MHz)	5785
Power Phase	Neutral	Test Configuration	1



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.150	31.91	56.00	-24.09	22.08	9.66	0.05	Average
2	0.150	43.96	66.00	-22.04	34.13	9.66	0.05	QP
3	0.330	22.62	49.44	-26.82	12.74	9.65	0.07	Average
4	0.330	30.86	59.44	-28.58	20.98	9.65	0.07	QP
5	1.160	19.27	46.00	-26.73	9.28	9.65	0.13	Average
6	1.160	26.58	56.00	-29.42	16.59	9.65	0.13	QP
7	3.584	19.39	46.00	-26.61	9.19	9.67	0.27	Average
8	3.584	28.24	56.00	-27.76	18.04	9.67	0.27	QP
9	9.654	22.49	50.00	-27.51	12.04	9.73	0.39	Average
10	9.654	28.23	60.00	-31.77	17.78	9.73	0.39	QP
11*	16.839	31.59	50.00	-18.41	20.73	9.81	0.62	Average
12	16.839	37.74	60.00	-22.26	26.88	9.81	0.62	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

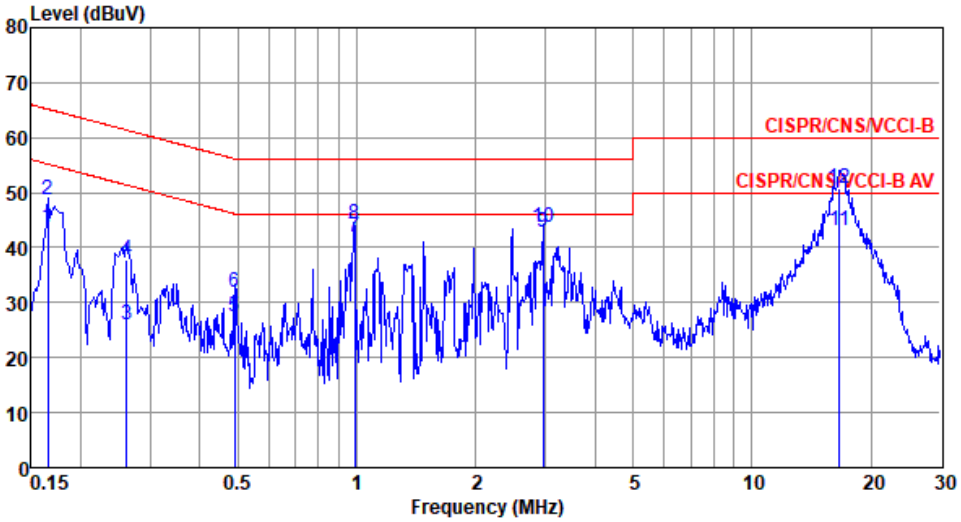
Modulation	ax (HE20)	Test Freq. (MHz)	5240
Power Phase	Line	Test Configuration	2



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.159	45.90	55.52	-9.62	36.21	9.64	0.05	Average
2	0.159	49.11	65.52	-16.41	39.42	9.64	0.05	QP
3	0.249	35.11	51.78	-16.67	25.41	9.63	0.07	Average
4	0.249	38.34	61.78	-23.44	28.64	9.63	0.07	QP
5	0.334	24.56	49.35	-24.79	14.86	9.63	0.07	Average
6	0.334	31.46	59.35	-27.89	21.76	9.63	0.07	QP
7	2.461	29.02	46.00	-16.98	19.17	9.64	0.21	Average
8	2.461	33.39	56.00	-22.61	23.54	9.64	0.21	QP
9*	2.961	42.80	46.00	-3.20	32.91	9.65	0.24	Average
10	2.961	45.93	56.00	-10.07	36.04	9.65	0.24	QP
11	16.357	42.84	50.00	-7.16	32.51	9.71	0.62	Average
12	16.357	50.73	60.00	-9.27	40.40	9.71	0.62	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

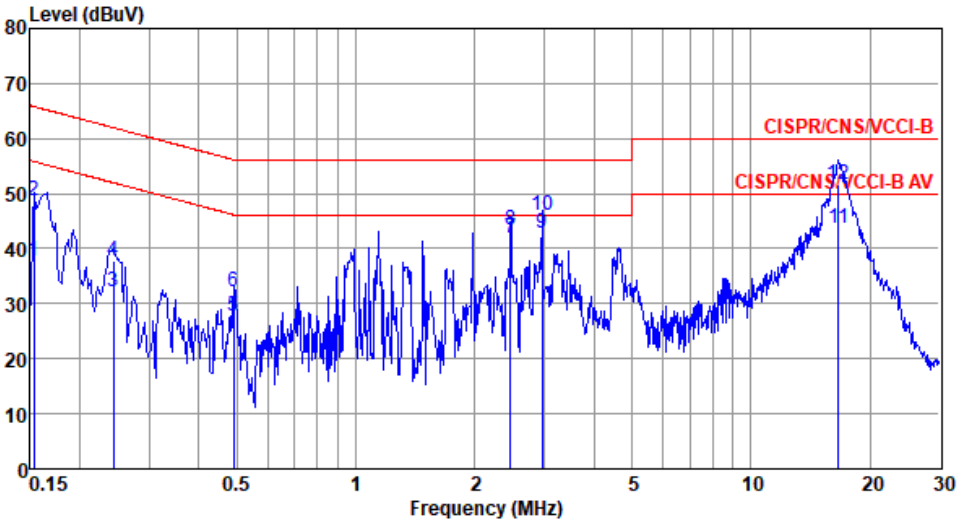
Modulation	ax (HE20)	Test Freq. (MHz)	5240
Power Phase	Neutral	Test Configuration	2



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.165	43.68	55.21	-11.53	33.97	9.66	0.05	Average
2	0.165	48.60	65.21	-16.61	38.89	9.66	0.05	QP
3	0.262	25.94	51.38	-25.44	16.22	9.65	0.07	Average
4	0.262	37.87	61.38	-23.51	28.15	9.65	0.07	QP
5	0.491	27.34	46.14	-18.80	17.60	9.65	0.09	Average
6	0.491	31.88	56.14	-24.26	22.14	9.65	0.09	QP
7	0.988	41.84	46.00	-4.16	32.07	9.65	0.12	Average
8	0.988	44.35	56.00	-11.65	34.58	9.65	0.12	QP
9*	2.962	42.87	46.00	-3.13	32.96	9.67	0.24	Average
10	2.962	43.62	56.00	-12.38	33.71	9.67	0.24	QP
11	16.689	42.97	50.00	-7.03	32.54	9.81	0.62	Average
12	16.689	50.77	60.00	-9.23	40.34	9.81	0.62	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

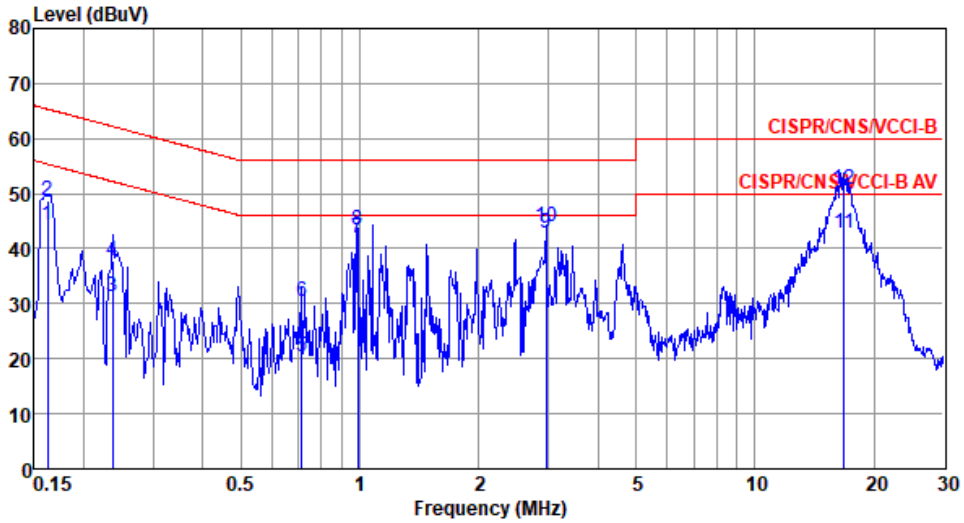
Modulation	11a	Test Freq. (MHz)	5785
Power Phase	Line	Test Configuration	2



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.153	37.76	55.82	-18.06	28.07	9.64	0.05	Average
2	0.153	48.60	65.82	-17.22	38.91	9.64	0.05	QP
3	0.243	32.10	52.00	-19.90	22.40	9.63	0.07	Average
4	0.243	37.88	62.00	-24.12	28.18	9.63	0.07	QP
5	0.491	27.70	46.14	-18.44	17.98	9.63	0.09	Average
6	0.491	32.18	56.14	-23.96	22.46	9.63	0.09	QP
7	2.467	42.05	46.00	-3.95	32.20	9.64	0.21	Average
8	2.467	43.46	56.00	-12.54	33.61	9.64	0.21	QP
9*	2.962	42.81	46.00	-3.19	32.92	9.65	0.24	Average
10	2.962	45.91	56.00	-10.09	36.02	9.65	0.24	QP
11	16.618	43.75	50.00	-6.25	33.42	9.71	0.62	Average
12	16.618	51.66	60.00	-8.34	41.33	9.71	0.62	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	11a	Test Freq. (MHz)	5785
Power Phase	Neutral	Test Configuration	2



	Freq	Level	Limit Line	Over Limit	Read Level	LISN factor	cable loss	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	dB	
1	0.162	44.27	55.34	-11.07	34.56	9.66	0.05	Average
2	0.162	48.57	65.34	-16.77	38.86	9.66	0.05	QP
3	0.237	31.20	52.22	-21.02	21.49	9.65	0.06	Average
4	0.237	37.75	62.22	-24.47	28.04	9.65	0.06	QP
5	0.712	20.38	46.00	-25.62	10.62	9.65	0.11	Average
6	0.712	30.49	56.00	-25.51	20.73	9.65	0.11	QP
7	0.987	41.93	46.00	-4.07	32.16	9.65	0.12	Average
8	0.987	43.48	56.00	-12.52	33.71	9.65	0.12	QP
9*	2.961	42.88	46.00	-3.12	32.97	9.67	0.24	Average
10	2.961	43.85	56.00	-12.15	33.94	9.67	0.24	QP
11	16.819	42.67	50.00	-7.33	32.24	9.81	0.62	Average
12	16.819	50.74	60.00	-9.26	40.31	9.81	0.62	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

3.2 Emission Bandwidth

3.2.1 Limit of Emission Bandwidth

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

3.2.2 Test Procedures

26dB Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW, Detector = Peak.
3. Trace mode = max hold.
4. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

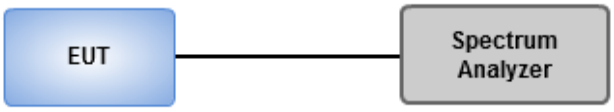
Occupied Bandwidth

1. Set RBW = 1 % to 5 % of the OBW.
2. Set VBW ≥ 3 RBW.
3. Sample detection and single sweep mode shall be used.
4. Use the 99 % power bandwidth function of the instrument.

6dB Bandwidth

1. Set RBW = 100kHz, VBW = 300kHz.
2. Detector = Peak,Trace mode = max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.2.3 Test Setup



3.2.4 Test Result of Emission Bandwidth

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.377M	16.498M	16M5D1D	18.551M	16.281M
802.11ax HEW20_Nss1,(MCS0)_4TX	33.116M	18.958M	19M0D1D	19.928M	18.596M
802.11ax HEW40_Nss1,(MCS0)_4TX	69.855M	37.916M	37M9D1D	43.188M	37.771M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.319M	77.279M	77M3D1D	82.029M	76.99M
802.11ax HEW80+80_Nss1,(MCS0)_2TX	141.739M	77.337M	77M3D1D	82.319M	76.874M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.203M	16.353M	16M4D1D	18.406M	16.208M
802.11ax HEW20_Nss1,(MCS0)_4TX	20.942M	18.813M	18M8D1D	19.855M	18.596M
802.11ax HEW40_Nss1,(MCS0)_4TX	44.928M	37.916M	37M9D1D	43.623M	37.771M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.609M	76.99M	77M0D1D	81.449M	76.7M
802.11ax HEW80+80_Nss1,(MCS0)_2TX	106.957M	77.337M	77M3D1D	82.609M	77.337M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.058M	16.425M	16M4D1D	14.13M	13.025M
802.11ax HEW20_Nss1,(MCS0)_4TX	20.87M	18.741M	18M7D1D	14.87M	14.327M
802.11ax HEW40_Nss1,(MCS0)_4TX	45.507M	37.916M	37M9D1D	36.42M	33.632M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.609M	77.279M	77M3D1D	75.435M	72.938M
802.11ax HEW80+80_Nss1,(MCS0)_2TX	275.942M	155.369M	155M4D1D	163.188M	154.443M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.377M	21.201M	21M2D1D	2.725M	3.357M
802.11ax HEW20_Nss1,(MCS0)_4TX	17.971M	26.7M	26M7D1D	2.609M	4.399M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.116M	38.929M	38M9D1D	3.884M	3.994M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.101M	77.569M	77M6D1D	3.768M	4.11M

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

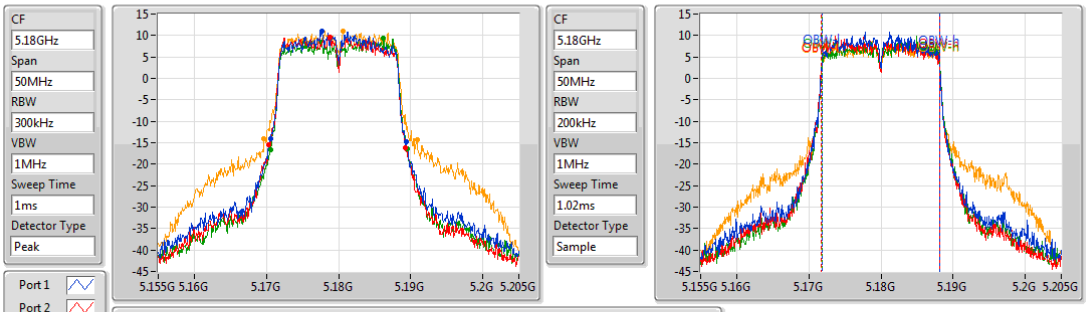
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	18.768M	16.281M	18.913M	16.353M	18.913M	16.353M	21.232M	16.425M
5200MHz	Pass	Inf	18.551M	16.281M	19.058M	16.353M	18.986M	16.425M	21.304M	16.425M
5240MHz	Pass	Inf	19.203M	16.498M	18.696M	16.425M	18.768M	16.353M	21.377M	16.425M
5260MHz	Pass	Inf	18.768M	16.281M	19.058M	16.353M	18.986M	16.353M	18.768M	16.353M
5300MHz	Pass	Inf	18.406M	16.208M	18.913M	16.353M	19.058M	16.281M	19.058M	16.353M
5320MHz	Pass	Inf	18.696M	16.281M	18.986M	16.281M	18.623M	16.281M	19.203M	16.353M
5500MHz	Pass	Inf	18.406M	16.353M	19.058M	16.425M	18.986M	16.425M	18.841M	16.425M
5580MHz	Pass	Inf	18.696M	16.208M	19.058M	16.425M	18.478M	16.353M	18.623M	16.353M
5700MHz	Pass	Inf	18.116M	16.064M	18.913M	16.353M	18.768M	16.425M	18.986M	16.425M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.13M	13.025M	14.435M	13.198M	14.217M	13.111M	14.565M	13.198M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	2.725M	3.357M	3.13M	3.357M	3.13M	3.415M	3.13M	3.415M
5745MHz	Pass	500k	15.29M	16.281M	16.232M	16.425M	14.71M	16.425M	16.377M	21.056M
5785MHz	Pass	500k	13.478M	16.281M	16.014M	16.498M	16.087M	16.425M	15.435M	19.103M
5825MHz	Pass	500k	13.261M	16.425M	16.377M	16.498M	16.377M	16.643M	16.014M	21.201M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.928M	18.596M	20M	18.741M	20.217M	18.741M	22.681M	18.813M
5200MHz	Pass	Inf	22.174M	18.741M	21.667M	18.741M	27.464M	18.741M	30.87M	18.958M
5240MHz	Pass	Inf	25.29M	18.741M	22.464M	18.741M	28.913M	18.813M	33.116M	18.886M
5260MHz	Pass	Inf	19.855M	18.596M	20.435M	18.741M	20.435M	18.741M	20.797M	18.813M
5300MHz	Pass	Inf	20M	18.669M	20.362M	18.741M	19.855M	18.669M	20.725M	18.741M
5320MHz	Pass	Inf	20M	18.741M	20.725M	18.813M	20.362M	18.669M	20.942M	18.741M
5500MHz	Pass	Inf	20M	18.669M	19.928M	18.669M	20.435M	18.741M	19.928M	18.741M
5580MHz	Pass	Inf	19.71M	18.596M	20.87M	18.669M	19.928M	18.669M	20.507M	18.741M
5700MHz	Pass	Inf	19.71M	18.524M	20M	18.741M	20.29M	18.741M	20M	18.741M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.87M	14.327M	15M	14.327M	15M	14.37M	15.087M	14.37M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.768M	4.399M	2.609M	4.399M	4.406M	4.399M	4.174M	4.399M
5745MHz	Pass	500k	15.942M	18.741M	15.797M	18.741M	13.913M	18.813M	16.594M	24.457M
5785MHz	Pass	500k	13.913M	18.886M	15.145M	18.886M	13.841M	18.958M	17.971M	24.891M
5825MHz	Pass	500k	14.13M	18.886M	17.174M	18.958M	14.058M	19.103M	16.377M	26.7M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	45.507M	37.771M	45.217M	37.916M	43.188M	37.771M	43.623M	37.916M
5230MHz	Pass	Inf	44.348M	37.771M	44.783M	37.916M	44.928M	37.916M	69.855M	37.916M
5270MHz	Pass	Inf	44.493M	37.771M	43.913M	37.771M	43.623M	37.916M	43.768M	37.916M
5310MHz	Pass	Inf	43.768M	37.771M	44.928M	37.771M	43.768M	37.916M	44.348M	37.916M
5510MHz	Pass	Inf	43.478M	37.771M	45.217M	37.916M	42.609M	37.771M	43.623M	37.916M
5590MHz	Pass	Inf	43.623M	37.771M	44.203M	37.916M	44.058M	37.771M	43.478M	37.916M
5670MHz	Pass	Inf	44.348M	37.771M	43.333M	37.771M	44.058M	37.771M	45.507M	37.771M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	37.029M	33.632M	36.42M	33.835M	37.029M	33.835M	37.232M	33.835M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4M	4.457M	4M	4.052M	3.942M	3.994M	3.884M	6.252M
5755MHz	Pass	500k	37.391M	37.771M	37.971M	37.771M	38.116M	37.916M	37.971M	37.771M
5795MHz	Pass	500k	35.942M	37.916M	37.971M	37.916M	37.971M	38.061M	37.826M	38.929M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-

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)
5210MHz	Pass	Inf	82.319M	77.279M	82.029M	76.99M	82.029M	77.279M	82.319M	77.279M
5290MHz	Pass	Inf	81.449M	76.7M	81.449M	76.99M	82.609M	76.99M	81.449M	76.99M
5530MHz	Pass	Inf	82.609M	76.99M	82.029M	76.99M	81.449M	77.279M	81.159M	76.99M
5610MHz	Pass	Inf	81.159M	77.279M	82.029M	76.99M	81.739M	76.99M	81.739M	76.99M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.652M	73.155M	75.652M	72.938M	75.435M	73.155M	75.652M	72.938M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.768M	4.11M	4M	4.168M	3.942M	4.168M	4M	6.831M
5775MHz	Pass	500k	74.203M	76.99M	76.522M	76.99M	73.913M	76.99M	77.101M	77.569M
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.319M	76.874M	141.739M	77.337M	-	-	-	-
5290MHz	Pass	Inf	-	-	-	-	106.957M	77.337M	82.609M	77.337M
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	81.449M	77.106M	134.783M	77.337M	-	-	-	-
5610MHz	Pass	Inf	-	-	-	-	81.739M	77.337M	141.159M	78.032M

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

802.11a_Nss1,(6Mbps)_4TX **EBW**

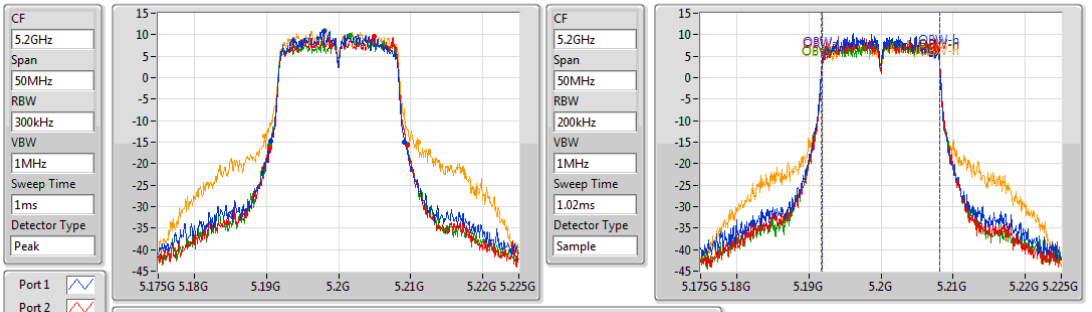
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.768M	5.17058G	5.189348G	16.281M	5.171823G	5.188104G	Inf	1
18.913M	5.17029G	5.189203G	16.353M	5.171751G	5.188104G	Inf	2
18.913M	5.17058G	5.189493G	16.353M	5.171823G	5.188177G	Inf	3
21.232M	5.169638G	5.19087G	16.425M	5.171751G	5.188177G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

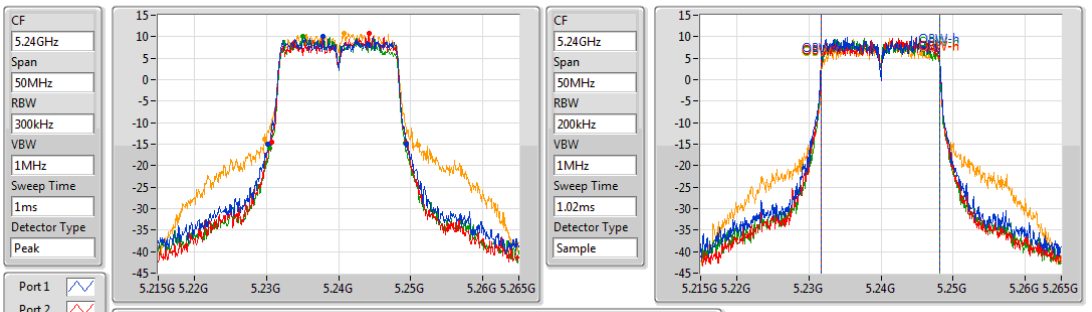
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.551M	5.19058G	5.20913G	16.281M	5.191823G	5.208104G	Inf	1
19.058M	5.190435G	5.209493G	16.353M	5.191823G	5.208177G	Inf	2
18.986M	5.190507G	5.209493G	16.425M	5.191751G	5.208177G	Inf	3
21.304M	5.18971G	5.211014G	16.425M	5.191751G	5.208177G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

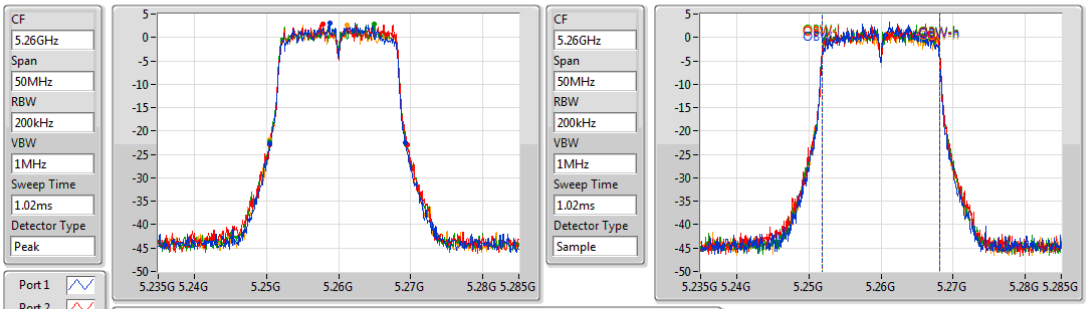
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.203M	5.230217G	5.24942G	16.498M	5.231679G	5.248177G	Inf	1
18.696M	5.230725G	5.24942G	16.425M	5.231751G	5.248177G	Inf	2
18.768M	5.230435G	5.249203G	16.353M	5.231751G	5.248104G	Inf	3
21.377M	5.22971G	5.251087G	16.425M	5.231751G	5.248177G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

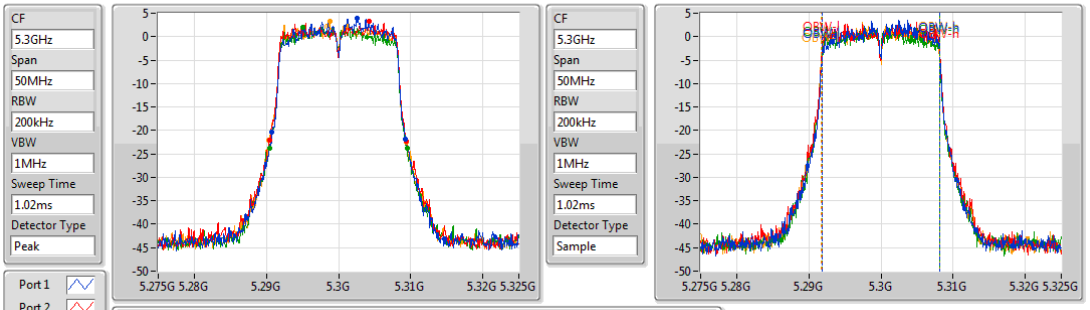
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.768M	5.250507G	5.269275G	16.281M	5.251823G	5.268104G	Inf	1
19.058M	5.250435G	5.269493G	16.353M	5.251823G	5.268177G	Inf	2
18.986M	5.250435G	5.26942G	16.353M	5.251823G	5.268177G	Inf	3
18.768M	5.250507G	5.269275G	16.353M	5.251823G	5.268177G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

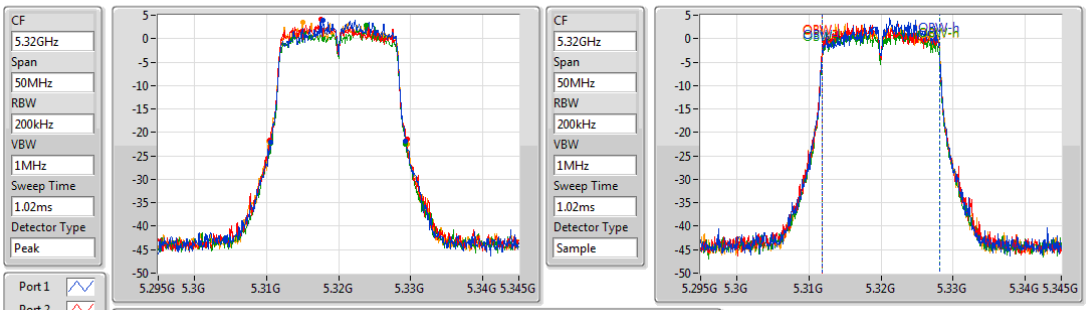
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.406M	5.290797G	5.309203G	16.208M	5.291896G	5.308104G	Inf	1
18.913M	5.290435G	5.309348G	16.353M	5.291823G	5.308177G	Inf	2
19.058M	5.290435G	5.309493G	16.281M	5.291823G	5.308104G	Inf	3
19.058M	5.29029G	5.309348G	16.353M	5.291751G	5.308104G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

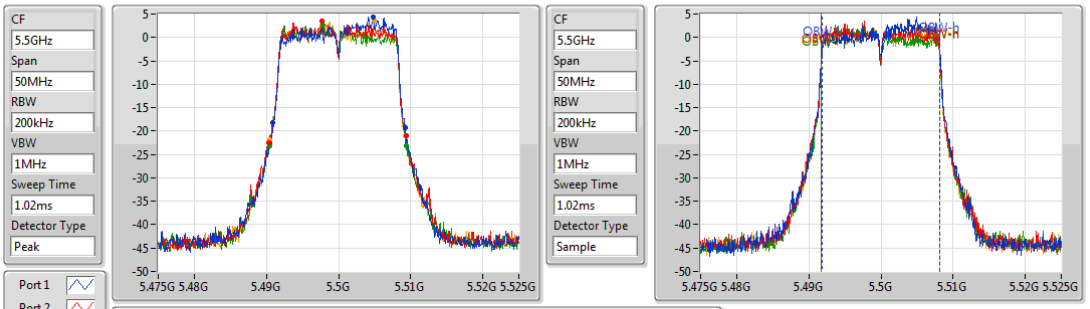
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.696M	5.31058G	5.329275G	16.281M	5.311823G	5.328104G	Inf	1
18.986M	5.310507G	5.329493G	16.281M	5.311823G	5.328104G	Inf	2
18.623M	5.310652G	5.329275G	16.281M	5.311823G	5.328104G	Inf	3
19.203M	5.31029G	5.329493G	16.353M	5.311823G	5.328177G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

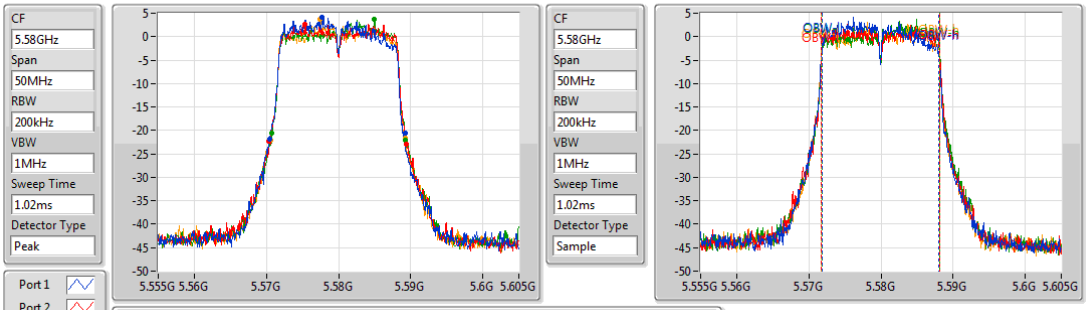
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.406M	5.49087G	5.509275G	16.353M	5.491823G	5.508177G	Inf	1
19.058M	5.49029G	5.509348G	16.425M	5.491751G	5.508177G	Inf	2
18.986M	5.490435G	5.50942G	16.425M	5.491751G	5.508177G	Inf	3
18.841M	5.490435G	5.509275G	16.425M	5.491751G	5.508177G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

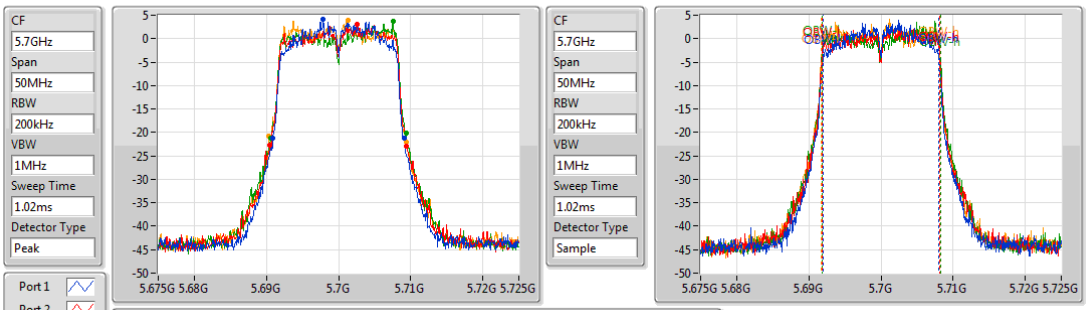
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.696M	5.570507G	5.589203G	16.208M	5.571823G	5.588032G	Inf	1
19.058M	5.570362G	5.58942G	16.425M	5.571751G	5.588177G	Inf	2
18.478M	5.570797G	5.589275G	16.353M	5.571823G	5.588177G	Inf	3
18.623M	5.57058G	5.589203G	16.353M	5.571751G	5.588104G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

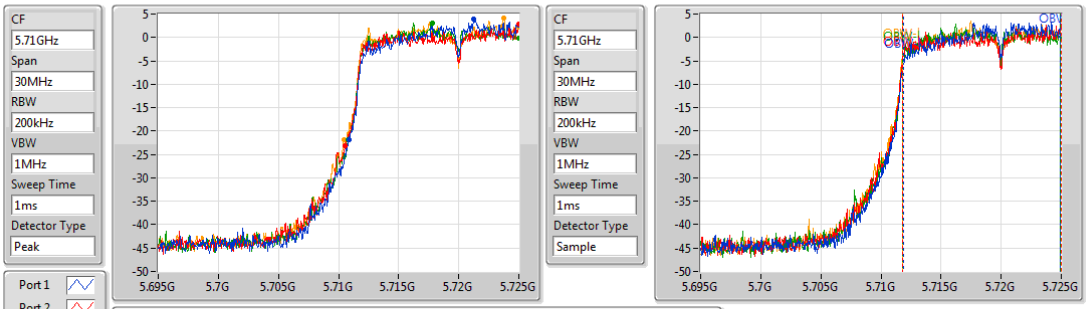
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.116M	5.690942G	5.709058G	16.064M	5.691968G	5.708032G	Inf	1
18.913M	5.690507G	5.70942G	16.353M	5.691823G	5.708177G	Inf	2
18.768M	5.690058G	5.709348G	16.425M	5.691823G	5.708249G	Inf	3
18.986M	5.690362G	5.709348G	16.425M	5.691751G	5.708177G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

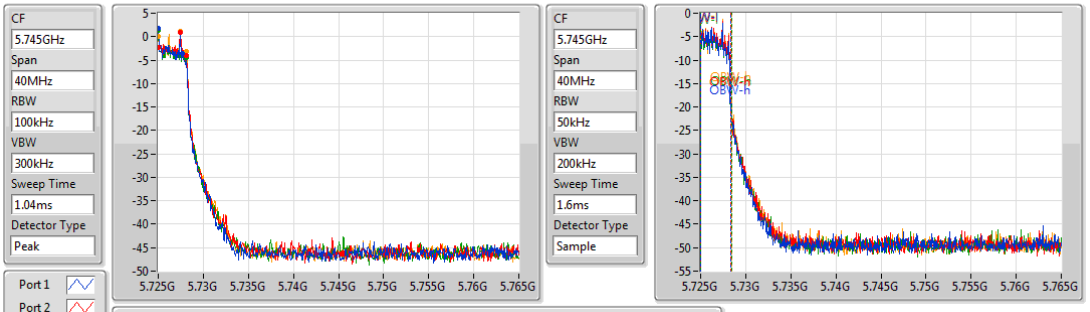
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.13M	5.71087G	5.725G	13.025M	5.71191G	5.724935G	Inf	1
14.435M	5.710565G	5.725G	13.198M	5.71178G	5.724978G	Inf	2
14.217M	5.710783G	5.725G	13.111M	5.711823G	5.724935G	Inf	3
14.565M	5.710435G	5.725G	13.198M	5.71178G	5.724978G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

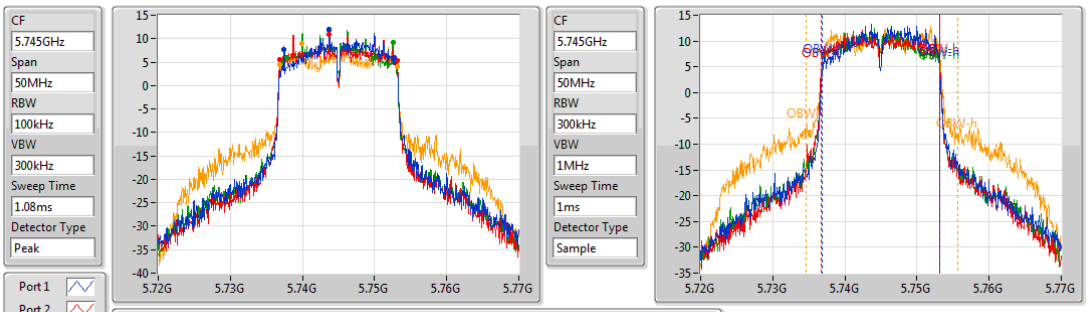
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.725M	5.725G	5.727725G	3.357M	5.725029G	5.728386G	500k	1
3.13M	5.725G	5.72813G	3.357M	5.725029G	5.728386G	500k	2
3.13M	5.725G	5.72813G	3.415M	5.725029G	5.728444G	500k	3
3.13M	5.725G	5.72813G	3.415M	5.725029G	5.728444G	500k	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

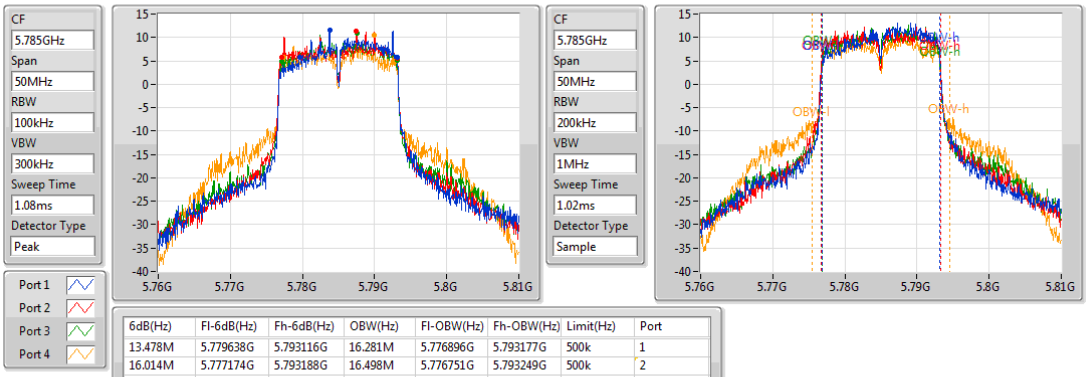
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.29M	5.737464G	5.752754G	16.281M	5.736896G	5.753177G	500k	1
16.232M	5.736884G	5.753116G	16.425M	5.736751G	5.753177G	500k	2
14.71M	5.737826G	5.752536G	16.425M	5.736751G	5.753177G	500k	3
16.377M	5.736812G	5.753188G	21.056M	5.734653G	5.755709G	500k	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

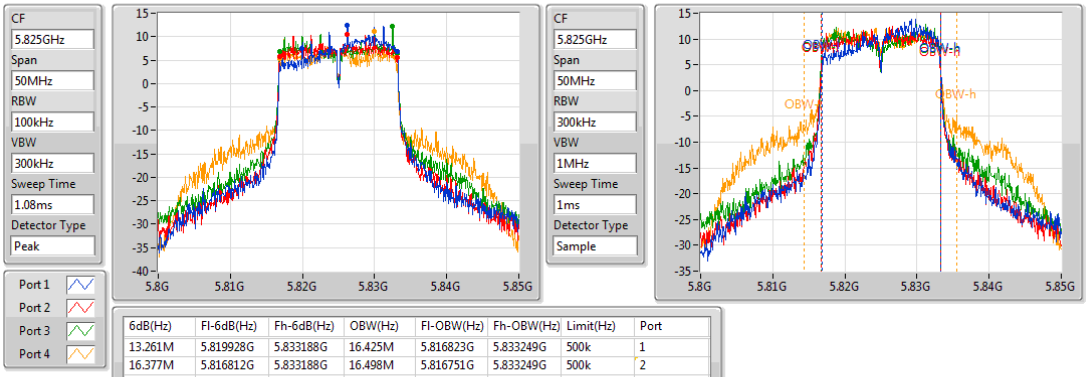
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.478M	5.779638G	5.793116G	16.281M	5.776896G	5.793177G	500k	1
16.014M	5.777174G	5.793188G	16.498M	5.776751G	5.793249G	500k	2
16.087M	5.777101G	5.793188G	16.425M	5.776823G	5.793249G	500k	3
15.435M	5.777464G	5.792899G	19.103M	5.775449G	5.794551G	500k	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

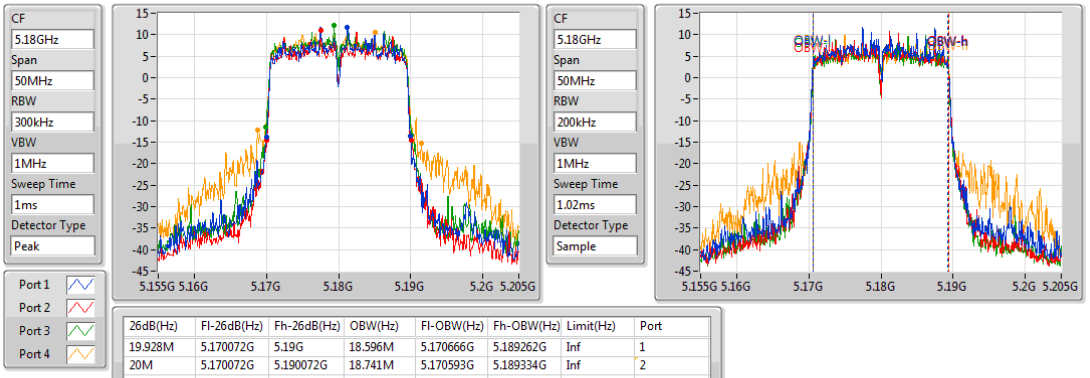
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.261M	5.819928G	5.833188G	16.425M	5.816823G	5.833249G	500k	1
16.377M	5.816812G	5.833188G	16.498M	5.816751G	5.833249G	500k	2
16.377M	5.816812G	5.833188G	16.643M	5.816679G	5.833321G	500k	3
16.014M	5.816884G	5.832899G	21.201M	5.814291G	5.835492G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

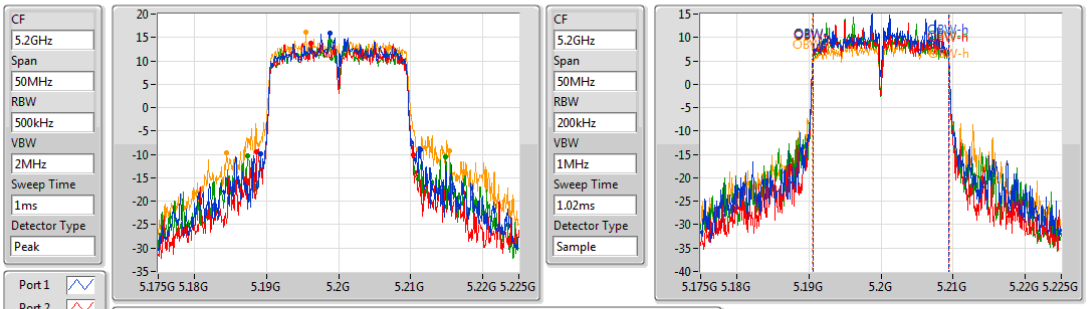
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.928M	5.170072G	5.19G	18.596M	5.170666G	5.189262G	Inf	1
20M	5.170072G	5.190072G	18.741M	5.170593G	5.189334G	Inf	2
20.217M	5.169928G	5.190145G	18.741M	5.170593G	5.189334G	Inf	3
22.681M	5.168768G	5.191449G	18.813M	5.170593G	5.189407G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

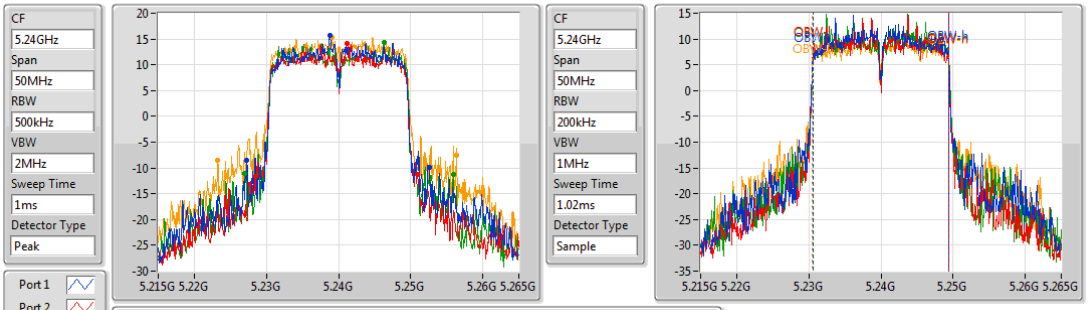
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.174M	5.189203G	5.211377G	18.741M	5.190593G	5.209334G	Inf	1
21.667M	5.188696G	5.210362G	18.741M	5.190593G	5.209334G	Inf	2
27.464M	5.187391G	5.214855G	18.741M	5.190593G	5.209334G	Inf	3
30.87M	5.184493G	5.215362G	18.958M	5.190521G	5.209479G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

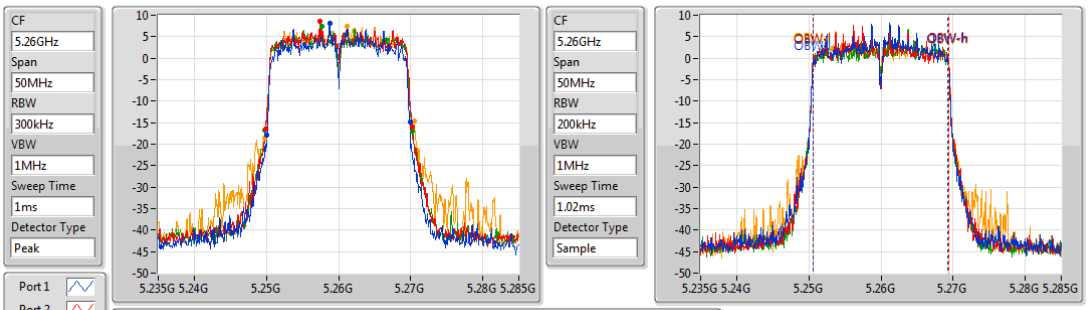
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.29M	5.227319G	5.252609G	18.741M	5.230593G	5.249334G	Inf	1
22.464M	5.228478G	5.250942G	18.741M	5.230593G	5.249334G	Inf	2
28.913M	5.227029G	5.255942G	18.813M	5.230593G	5.249407G	Inf	3
33.116M	5.223261G	5.256377G	18.886M	5.230521G	5.249407G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

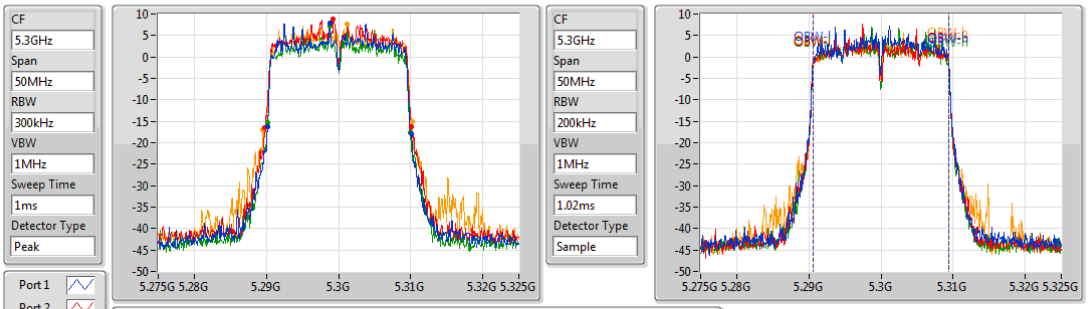
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.855M	5.250072G	5.269928G	18.596M	5.250666G	5.269262G	Inf	1
20.435M	5.249855G	5.27029G	18.741M	5.250593G	5.269334G	Inf	2
20.435M	5.249783G	5.270217G	18.741M	5.250593G	5.269334G	Inf	3
20.797M	5.249783G	5.27058G	18.813M	5.250593G	5.269407G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

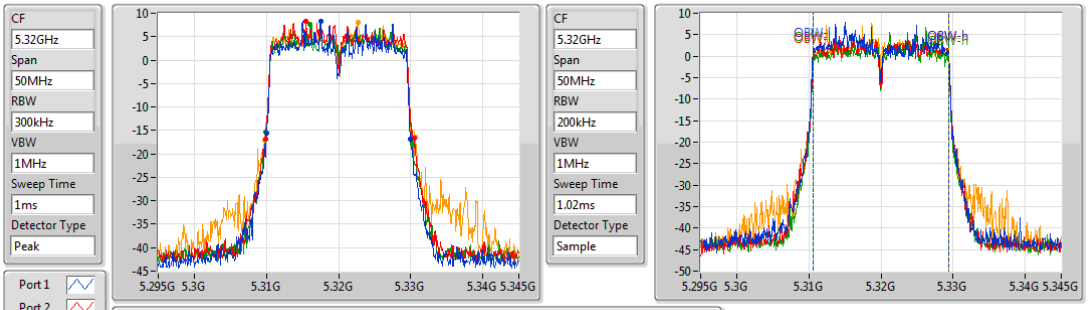
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.290145G	5.310145G	18.669M	5.290666G	5.309334G	Inf	1
20.362M	5.289783G	5.310145G	18.741M	5.290593G	5.309334G	Inf	2
19.855M	5.290145G	5.31G	18.669M	5.290666G	5.309334G	Inf	3
20.725M	5.289493G	5.310217G	18.741M	5.290593G	5.309334G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

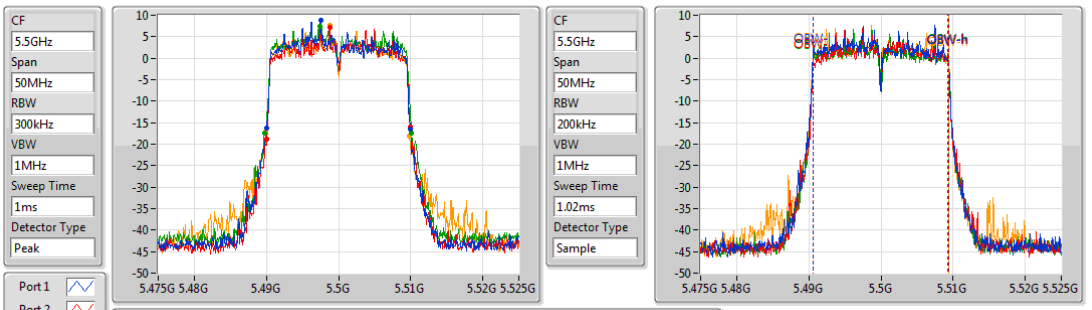
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.31G	5.33G	18.741M	5.310593G	5.329334G	Inf	1
20.725M	5.309855G	5.33058G	18.813M	5.310593G	5.329407G	Inf	2
20.362M	5.309855G	5.330217G	18.669M	5.310666G	5.329334G	Inf	3
20.942M	5.30971G	5.330652G	18.741M	5.310593G	5.329334G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

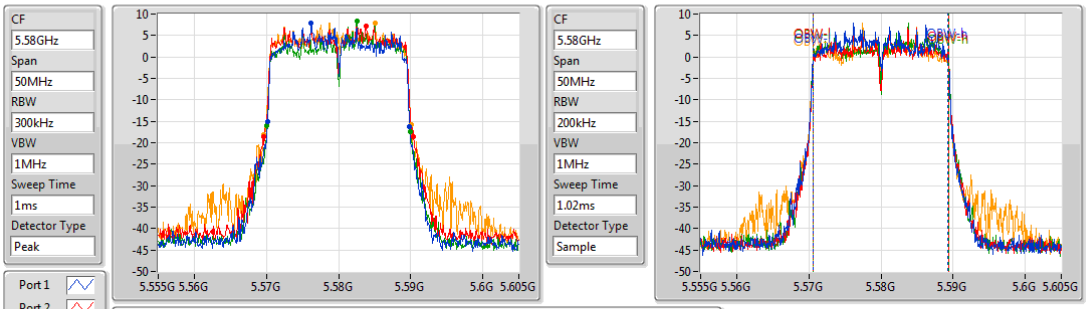
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20M	5.49G	5.51G	18.669M	5.490593G	5.509262G	Inf	1
19.928M	5.490072G	5.51G	18.669M	5.490666G	5.509334G	Inf	2
20.435M	5.48971G	5.510145G	18.741M	5.490593G	5.509334G	Inf	3
19.928M	5.489928G	5.509855G	18.741M	5.490593G	5.509334G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

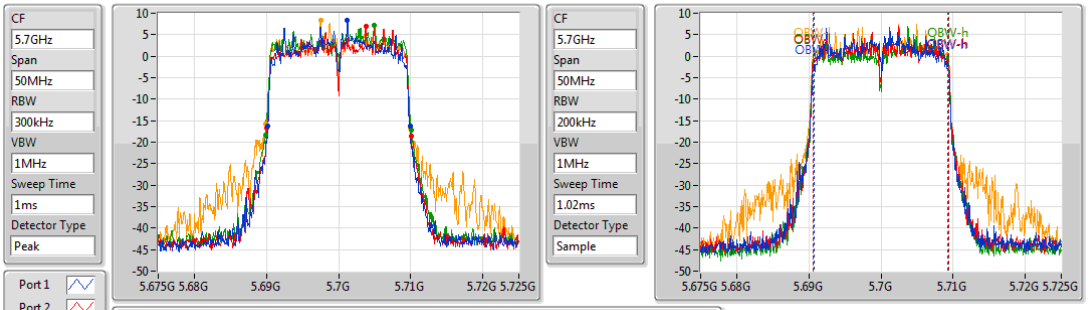
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.71M	5.570145G	5.589855G	18.596M	5.570666G	5.589262G	Inf	1
20.87M	5.569565G	5.590435G	18.669M	5.570666G	5.589334G	Inf	2
19.928M	5.570072G	5.59G	18.669M	5.570666G	5.589334G	Inf	3
20.507M	5.569565G	5.590072G	18.741M	5.570593G	5.589334G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

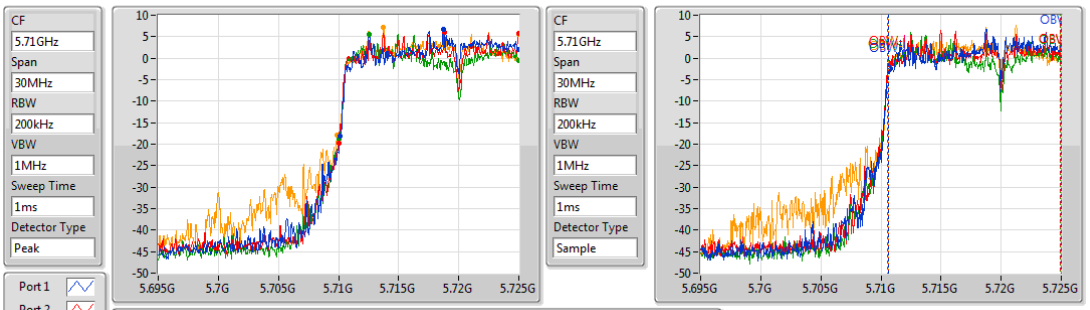
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.71M	5.690217G	5.709928G	18.524M	5.690738G	5.709262G	Inf	1
20M	5.690072G	5.710072G	18.741M	5.690593G	5.709334G	Inf	2
20.29M	5.689855G	5.710145G	18.741M	5.690593G	5.709334G	Inf	3
20M	5.689928G	5.709928G	18.741M	5.690593G	5.709334G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

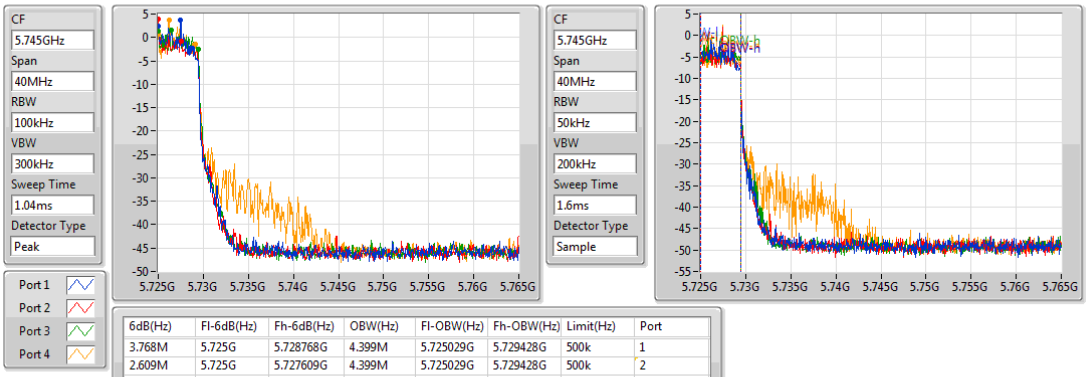
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.87M	5.71013G	5.725G	14.327M	5.710651G	5.724978G	Inf	1
15M	5.71G	5.725G	14.327M	5.710608G	5.724935G	Inf	2
15M	5.71G	5.725G	14.37M	5.710564G	5.724935G	Inf	3
15.087M	5.709913G	5.725G	14.37M	5.710608G	5.724978G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

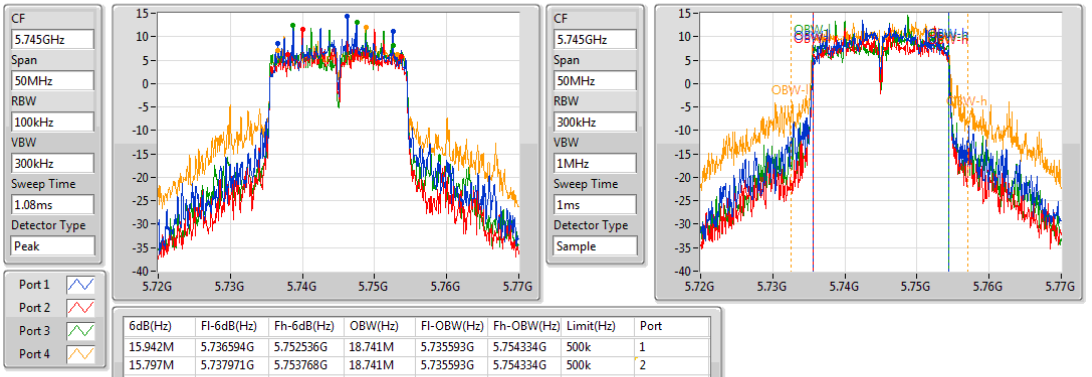
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.768M	5.725G	5.728768G	4.399M	5.725029G	5.729428G	500k	1
2.609M	5.725G	5.727609G	4.399M	5.725029G	5.729428G	500k	2
4.406M	5.725G	5.729406G	4.399M	5.725029G	5.729428G	500k	3
4.174M	5.725G	5.729174G	4.399M	5.725029G	5.729428G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

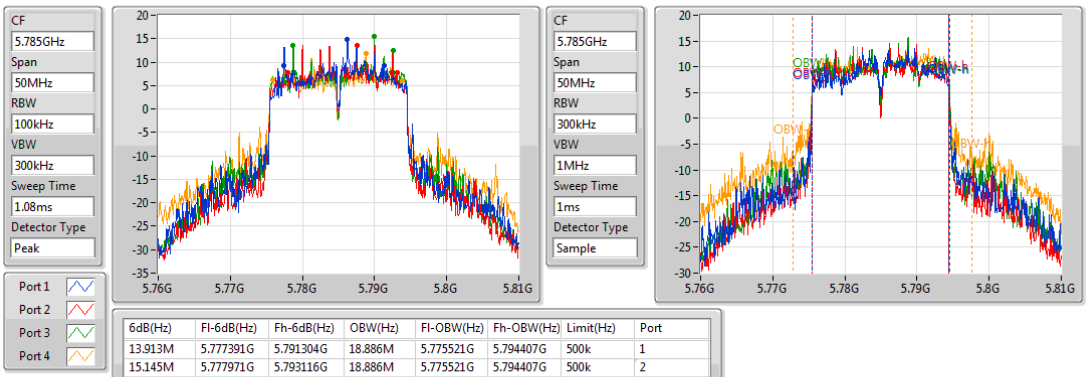
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.942M	5.736594G	5.752536G	18.741M	5.735593G	5.754334G	500k	1
15.797M	5.737971G	5.753768G	18.741M	5.735593G	5.754334G	500k	2
13.913M	5.738696G	5.752609G	18.813M	5.735593G	5.754407G	500k	3
16.594M	5.736594G	5.753188G	24.457M	5.732554G	5.757012G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

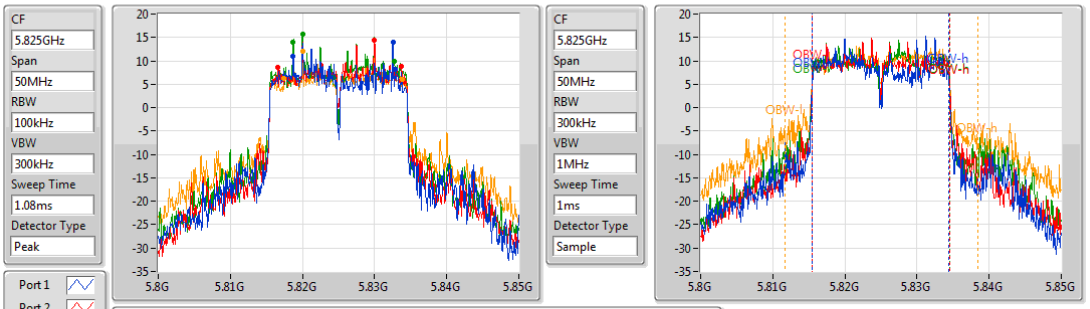
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.913M	5.777391G	5.791304G	18.886M	5.775521G	5.794407G	500k	1
15.145M	5.777971G	5.793116G	18.886M	5.775521G	5.794407G	500k	2
13.841M	5.778696G	5.792536G	18.958M	5.775521G	5.794479G	500k	3
17.971M	5.77587G	5.793841G	24.891M	5.772771G	5.797663G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

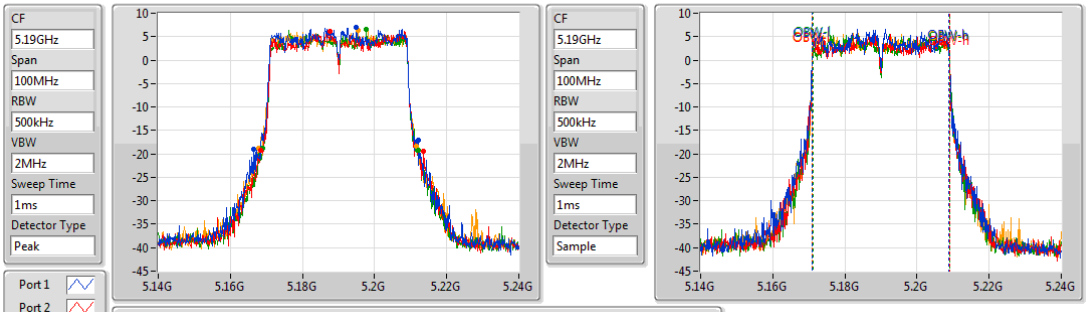
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.13M	5.818696G	5.832826G	18.886M	5.815521G	5.834407G	500k	1
17.174M	5.816594G	5.833768G	18.958M	5.815521G	5.834479G	500k	2
14.058M	5.818696G	5.832754G	19.103M	5.815449G	5.834551G	500k	3
16.377M	5.817464G	5.833841G	26.7M	5.811686G	5.838386G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

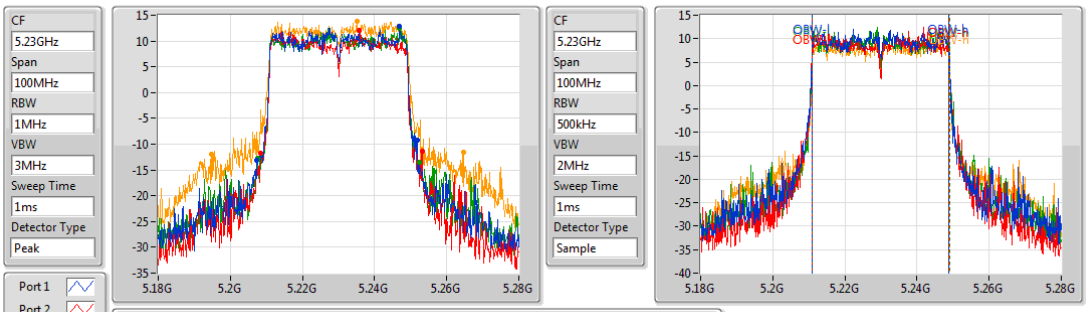
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.507M	5.166522G	5.212029G	37.771M	5.171042G	5.208813G	Inf	1
45.217M	5.168406G	5.213623G	37.916M	5.171042G	5.208958G	Inf	2
43.188M	5.168841G	5.212029G	37.771M	5.171187G	5.208958G	Inf	3
43.623M	5.167971G	5.211594G	37.916M	5.171042G	5.208958G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

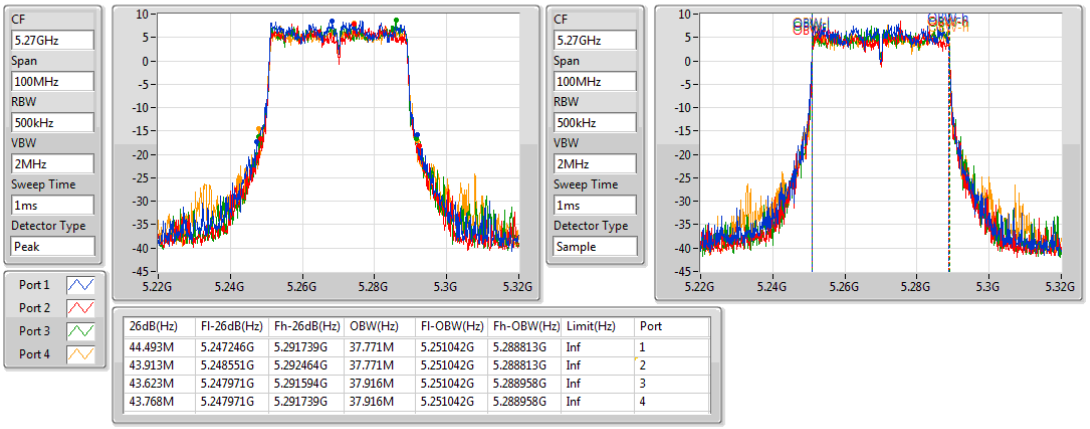
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.348M	5.207391G	5.251739G	37.771M	5.211042G	5.248813G	Inf	1
44.783M	5.208406G	5.253188G	37.916M	5.210897G	5.248813G	Inf	2
44.928M	5.207536G	5.252464G	37.916M	5.211042G	5.248958G	Inf	3
69.855M	5.194783G	5.264638G	37.916M	5.211042G	5.248958G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

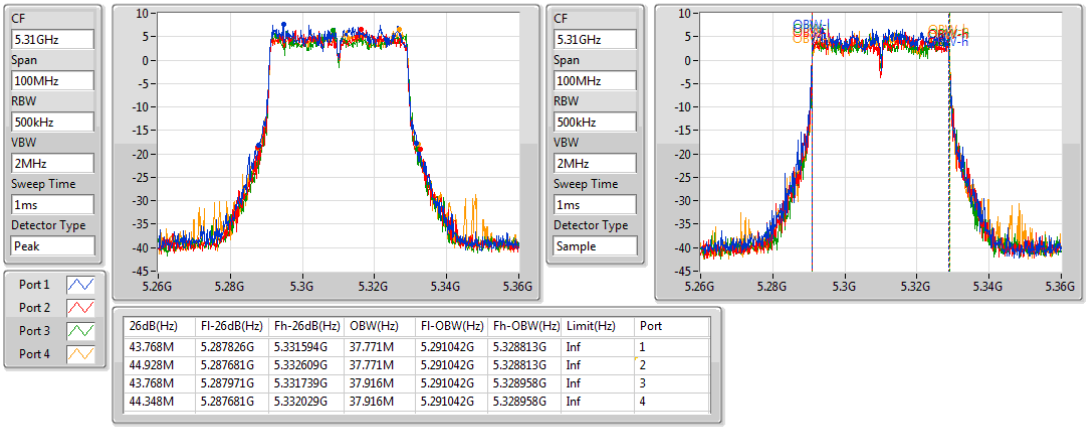
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.493M	5.247246G	5.291739G	37.771M	5.251042G	5.288813G	Inf	1
43.913M	5.248551G	5.292464G	37.771M	5.251042G	5.288813G	Inf	2
43.623M	5.247971G	5.291594G	37.916M	5.251042G	5.288958G	Inf	3
43.768M	5.247971G	5.291739G	37.916M	5.251042G	5.288958G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

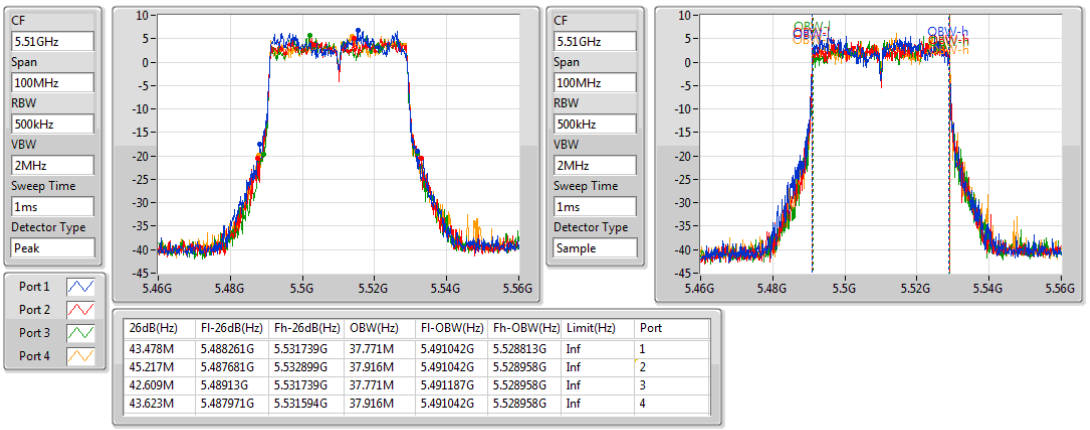
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.768M	5.287826G	5.331594G	37.771M	5.291042G	5.328813G	Inf	1
44.928M	5.287681G	5.332609G	37.771M	5.291042G	5.328813G	Inf	2
43.768M	5.287971G	5.331739G	37.916M	5.291042G	5.328958G	Inf	3
44.348M	5.287681G	5.332029G	37.916M	5.291042G	5.328958G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

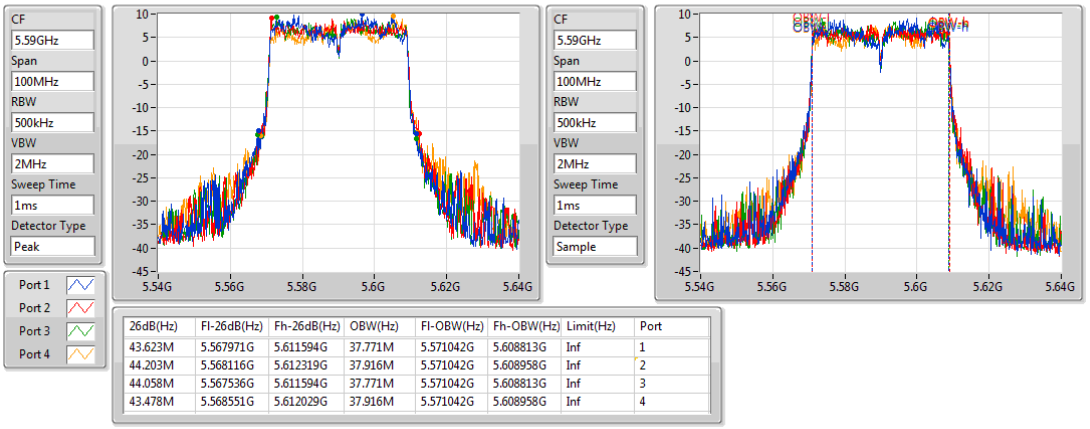
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.478M	5.488261G	5.531739G	37.771M	5.491042G	5.528813G	Inf	1
45.217M	5.487681G	5.532899G	37.916M	5.491042G	5.528958G	Inf	2
42.609M	5.48913G	5.531739G	37.771M	5.491187G	5.528958G	Inf	3
43.623M	5.487971G	5.531594G	37.916M	5.491042G	5.528958G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

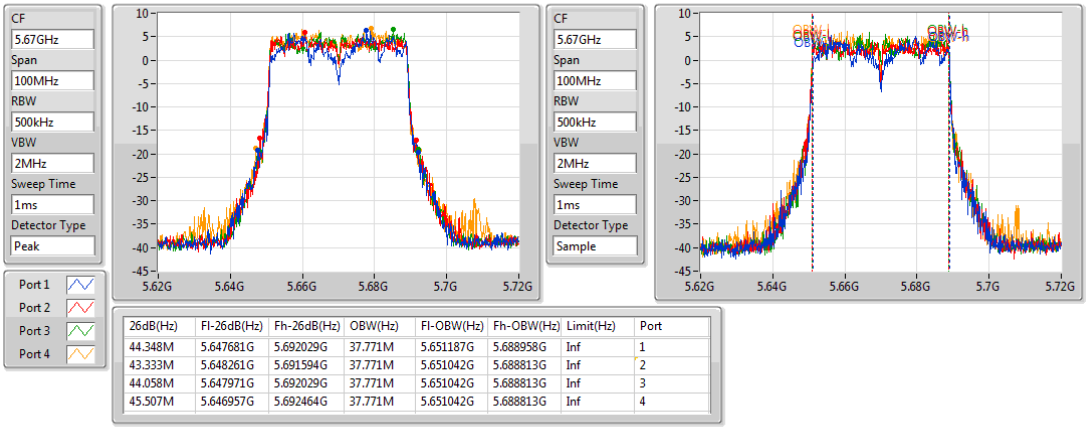
5590MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.623M	5.567971G	5.611594G	37.771M	5.571042G	5.608813G	Inf	1
44.203M	5.568116G	5.612319G	37.916M	5.571042G	5.608958G	Inf	2
44.058M	5.567536G	5.611594G	37.771M	5.571042G	5.608813G	Inf	3
43.478M	5.568551G	5.612029G	37.916M	5.571042G	5.608958G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

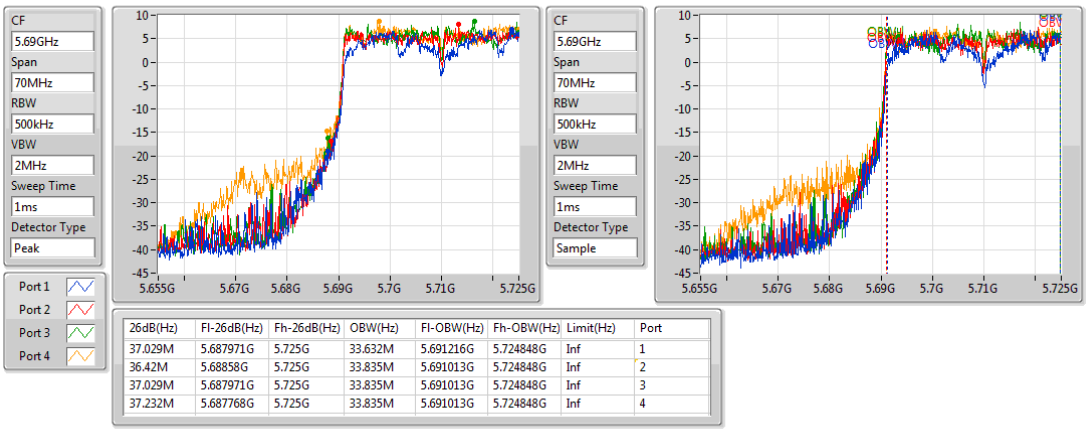
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.348M	5.647681G	5.692029G	37.771M	5.651187G	5.688958G	Inf	1
43.333M	5.648261G	5.691594G	37.771M	5.651042G	5.688813G	Inf	2
44.058M	5.647971G	5.692029G	37.771M	5.651042G	5.688813G	Inf	3
45.507M	5.646957G	5.692464G	37.771M	5.651042G	5.688813G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

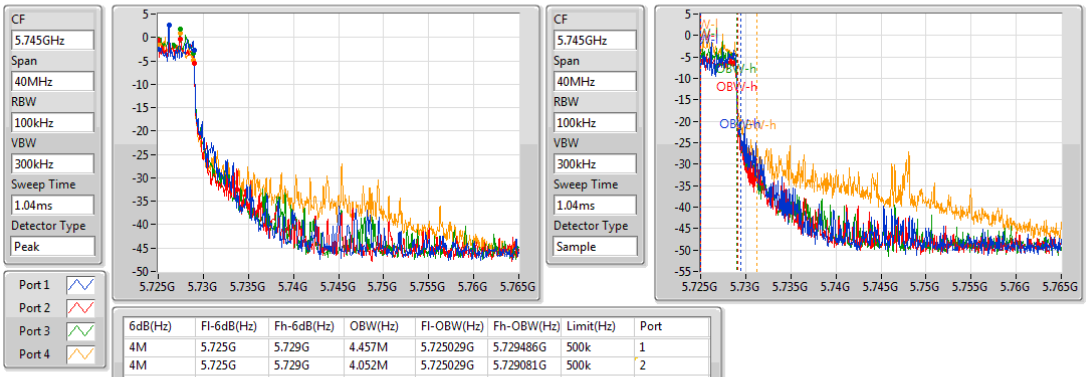
5710MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.029M	5.687971G	5.725G	33.632M	5.691216G	5.724848G	Inf	1
36.42M	5.68858G	5.725G	33.835M	5.691013G	5.724848G	Inf	2
37.029M	5.687971G	5.725G	33.835M	5.691013G	5.724848G	Inf	3
37.232M	5.687768G	5.725G	33.835M	5.691013G	5.724848G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

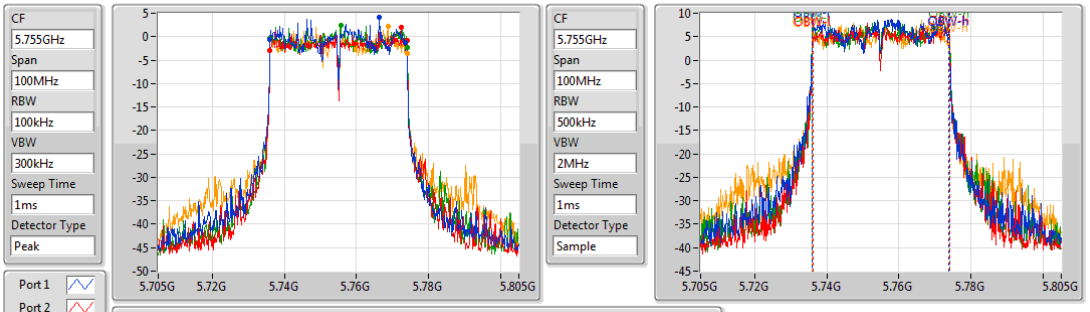
5710MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4M	5.725G	5.729G	4.457M	5.725029G	5.729486G	500k	1
4M	5.725G	5.729G	4.052M	5.725029G	5.729081G	500k	2
3.942M	5.725G	5.728942G	3.994M	5.725029G	5.729023G	500k	3
3.884M	5.725G	5.728884G	6.252M	5.725029G	5.731281G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

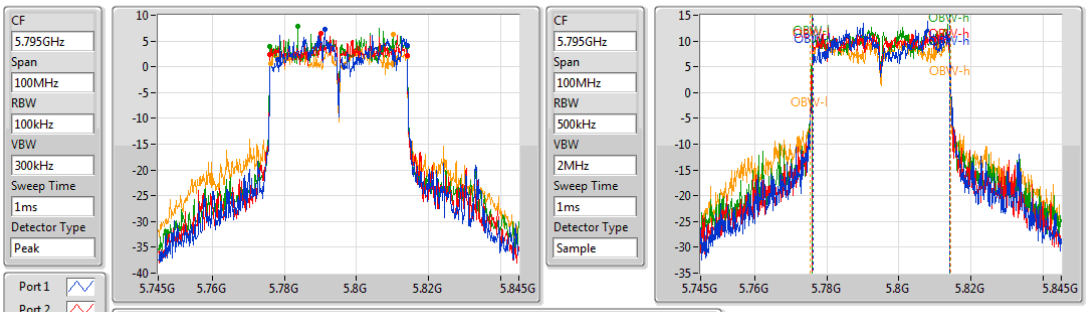
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.391M	5.736014G	5.773406G	37.771M	5.736042G	5.773813G	500k	1
37.971M	5.736014G	5.773986G	37.771M	5.736187G	5.773958G	500k	2
38.116M	5.736014G	5.77413G	37.916M	5.736042G	5.773958G	500k	3
37.971M	5.736014G	5.773986G	37.771M	5.736042G	5.773813G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

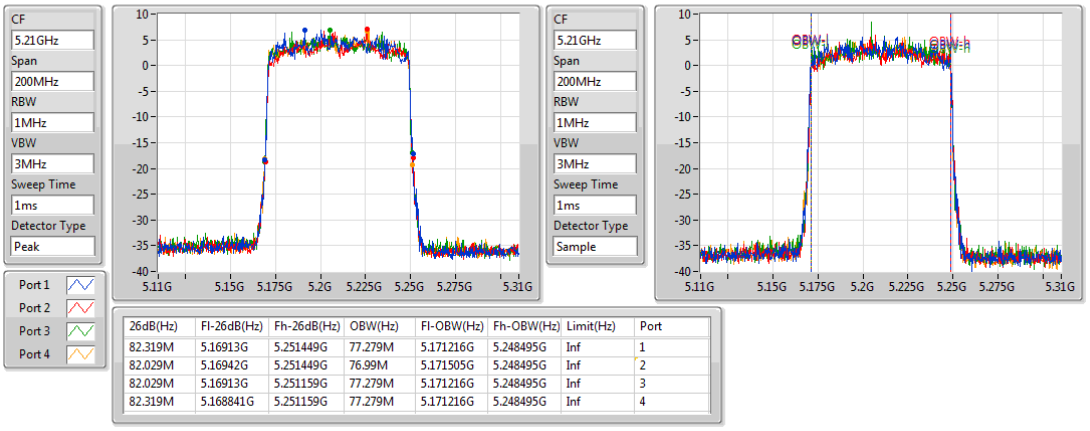
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.942M	5.778043G	5.813986G	37.916M	5.776187G	5.814103G	500k	1
37.971M	5.776014G	5.813986G	37.916M	5.776042G	5.813958G	500k	2
37.971M	5.776014G	5.813986G	38.061M	5.775897G	5.813958G	500k	3
37.826M	5.776159G	5.813986G	38.929M	5.775318G	5.814247G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

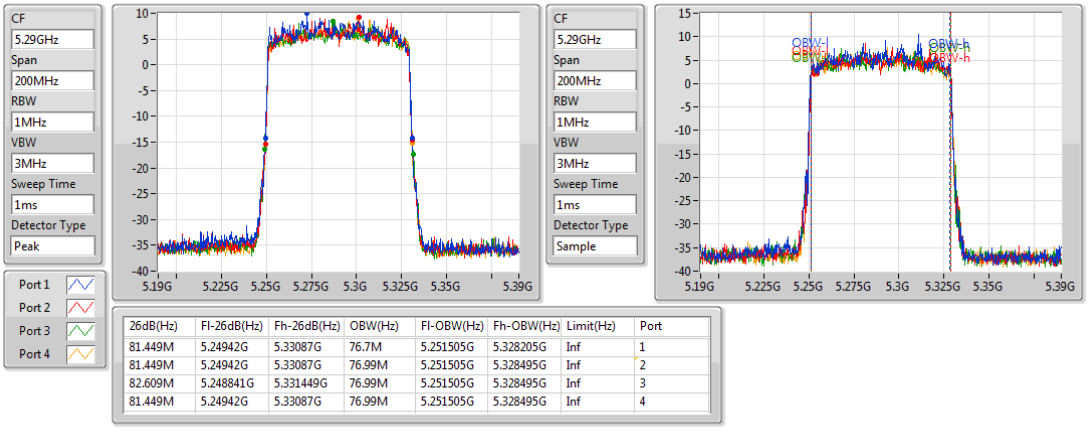
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.319M	5.16913G	5.251449G	77.279M	5.171216G	5.248495G	Inf	1
82.029M	5.16942G	5.251449G	76.99M	5.171505G	5.248495G	Inf	2
82.029M	5.16913G	5.251159G	77.279M	5.171216G	5.248495G	Inf	3
82.319M	5.168841G	5.251159G	77.279M	5.171216G	5.248495G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

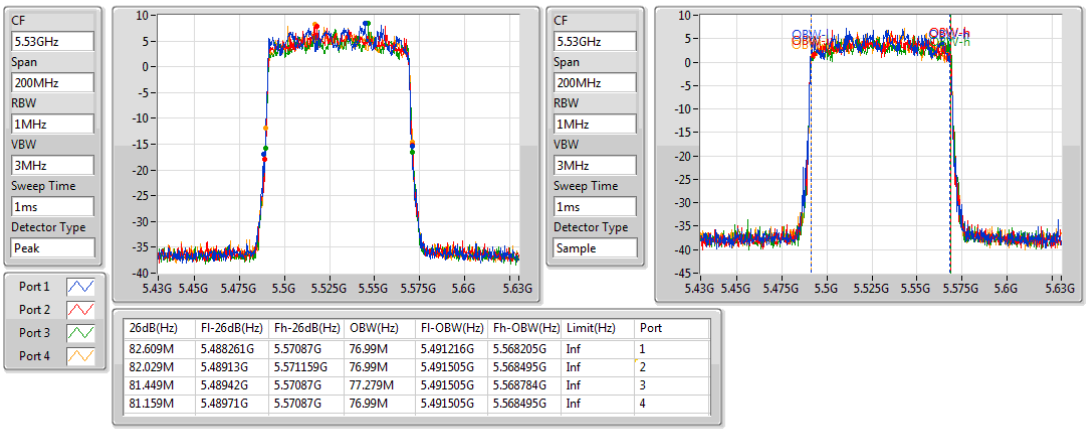
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.449M	5.24942G	5.33087G	76.7M	5.251505G	5.328205G	Inf	1
81.449M	5.24942G	5.33087G	76.99M	5.251505G	5.328495G	Inf	2
82.609M	5.248841G	5.331449G	76.99M	5.251505G	5.328495G	Inf	3
81.449M	5.24942G	5.33087G	76.99M	5.251505G	5.328495G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

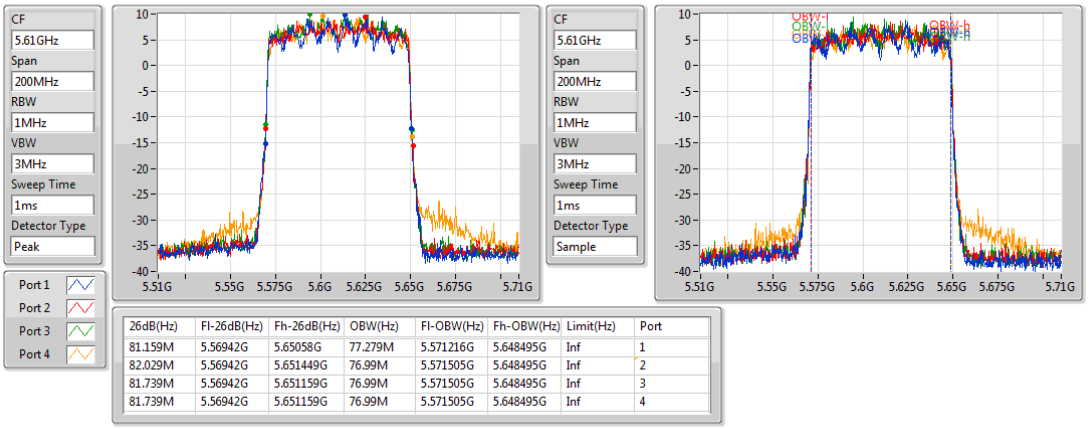
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.609M	5.488261G	5.57087G	76.99M	5.491216G	5.568205G	Inf	1
82.029M	5.48913G	5.571159G	76.99M	5.491505G	5.568495G	Inf	2
81.449M	5.48942G	5.57087G	77.279M	5.491505G	5.568784G	Inf	3
81.159M	5.48971G	5.57087G	76.99M	5.491505G	5.568495G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

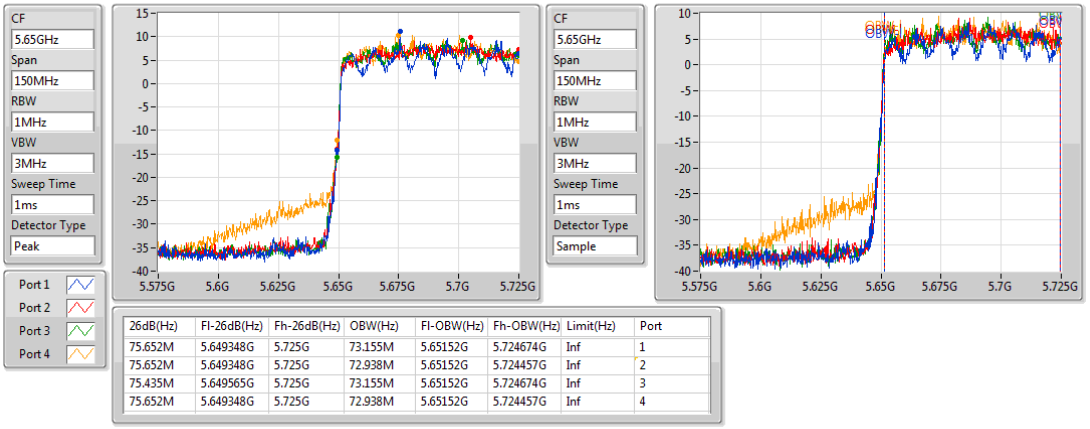
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.159M	5.56942G	5.65058G	77.279M	5.571216G	5.648495G	Inf	1
82.029M	5.56942G	5.651449G	76.99M	5.571505G	5.648495G	Inf	2
81.739M	5.56942G	5.651159G	76.99M	5.571505G	5.648495G	Inf	3
81.739M	5.56942G	5.651159G	76.99M	5.571505G	5.648495G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

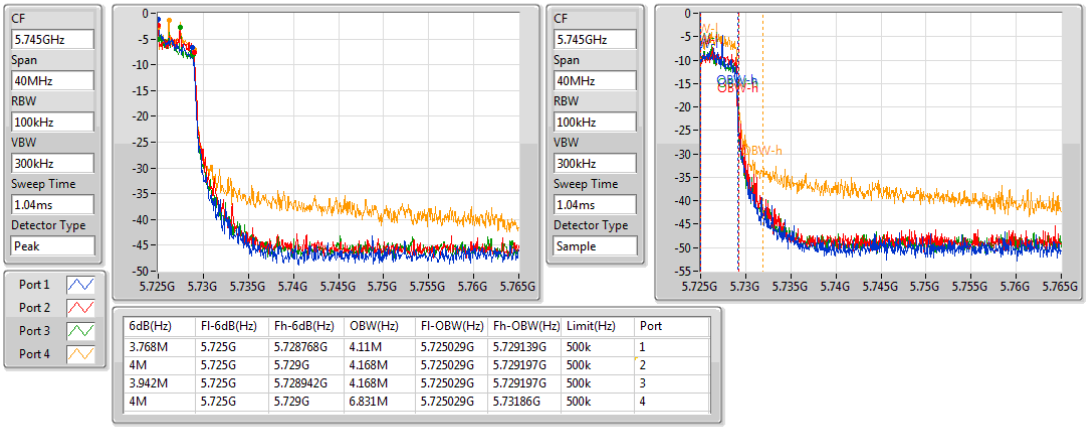
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.652M	5.649348G	5.725G	73.155M	5.65152G	5.724674G	Inf	1
75.652M	5.649348G	5.725G	72.938M	5.65152G	5.724457G	Inf	2
75.435M	5.649565G	5.725G	73.155M	5.65152G	5.724674G	Inf	3
75.652M	5.649348G	5.725G	72.938M	5.65152G	5.724457G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

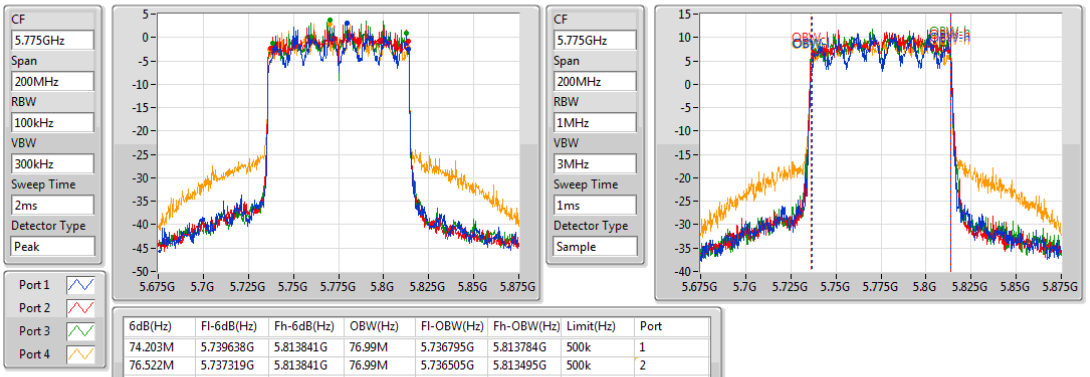
5690MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.768M	5.725G	5.728768G	4.11M	5.725029G	5.729139G	500k	1
4M	5.725G	5.729G	4.168M	5.725029G	5.729197G	500k	2
3.942M	5.725G	5.728942G	4.168M	5.725029G	5.729197G	500k	3
4M	5.725G	5.729G	6.831M	5.725029G	5.73186G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

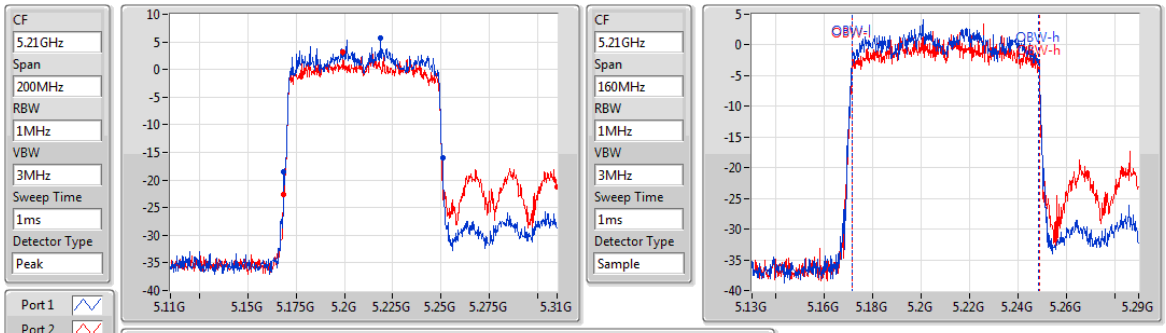
5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
74.203M	5.739638G	5.813841G	76.99M	5.736795G	5.813784G	500k	1
76.522M	5.737319G	5.813841G	76.99M	5.736505G	5.813495G	500k	2
73.913M	5.738768G	5.812681G	76.99M	5.736505G	5.813495G	500k	3
77.101M	5.736739G	5.813841G	77.569M	5.736216G	5.813784G	500k	4

11ax80+80_Nss1,(MCS0)_2TX(Port1&Port2) **EBW**

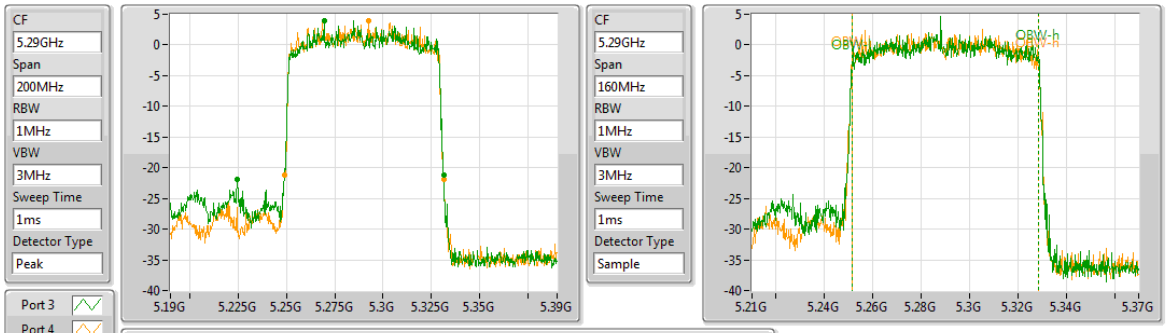
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.319M	5.168551G	5.25087G	76.874M	5.171563G	5.248437G	Inf	1
141.739M	5.168261G	5.31G	77.337M	5.171563G	5.2489G	Inf	2

11ax80+80_Nss1,(MCS0)_2TX(Port3&Port4) **EBW**

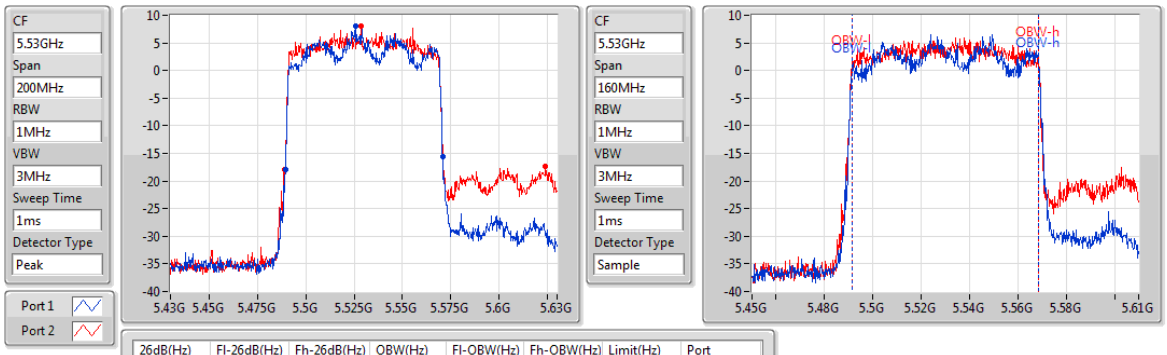
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
106.957M	5.224493G	5.331449G	77.337M	5.251331G	5.328669G	Inf	3
82.609M	5.248841G	5.331449G	77.337M	5.251331G	5.328669G	Inf	4

11ax80+80_Nss1,(MCS0)_2TX(Port1&Port2) **EBW**

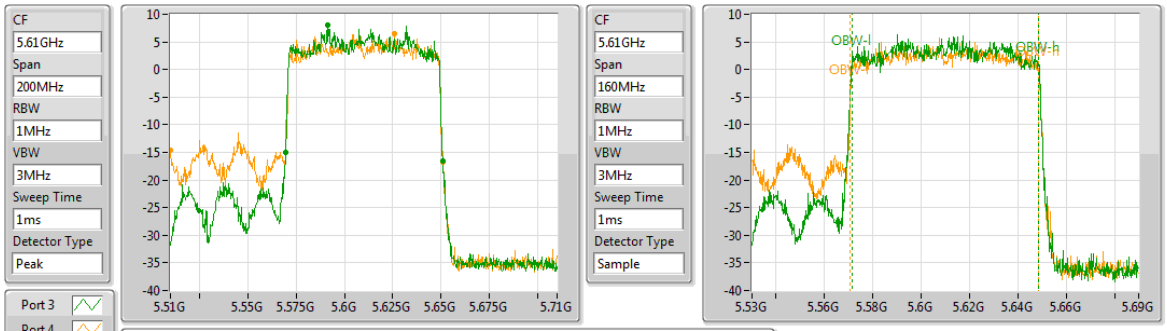
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.449M	5.48942G	5.57087G	77.106M	5.491563G	5.568669G	Inf	1
134.783M	5.48913G	5.623913G	77.337M	5.491331G	5.568669G	Inf	2

11ax80+80_Nss1,(MCS0)_2TX(Port3&Port4) **EBW**

5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.739M	5.56942G	5.651159G	77.337M	5.571331G	5.648669G	Inf	3
141.159M	5.51G	5.651159G	78.032M	5.570637G	5.648669G	Inf	4

3.3 RF Output Power

3.3.1 Limit of RF Output Power

Frequency band 5150-5250 MHz		
Operating Mode		**Limit**
☐	Outdoor access point	Conducted Power: 1 W The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm)
☒	Indoor access point	Conducted Power: 1 W
☐	Fixed point-to-point access points	Conducted Power: 1 W
☐	Client devices	Conducted Power: 250 mW

Frequency Band (MHz)		**Limit**
☒	5250 ~ 5350	Conducted Power: 250mW or 11dBm+10 log B
☒	5470 ~ 5725	Conducted Power: 250mW or 11dBm+10 log B
☒	5725 ~ 5850	Conducted Power: 1 W
Note: “B” is the 26dB emission bandwidth in MHz.		

3.3.2 Test Procedures

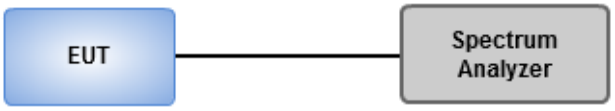
Method PM-G (Measurement using a gated RF average power meter)

Measurements is performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Spectrum analyzer (For channel that extends across the 5.725 GHz boundary)

1. Set RBW = 1MHz, VBW = 3MHz, Sweep time = Auto, Detector = RMS.
2. Trace average at least 100 traces in power averaging mode.
3. Compute power by integrating the spectrum across the 26 dB EBW.
4. Add 10 log(1/X, X:duty cycle) if duty cycle is <98%).

3.3.3 Test Setup



3.3.4 Test Result of Maximum Conducted Output Power

Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	26.19	0.41591	29.39	0.86896
802.11ax HEW20_Nss1,(MCS0)_4TX	26.80	0.47863	30.00	1.00000
802.11ax HEW40_Nss1,(MCS0)_4TX	26.35	0.43152	29.55	0.90157
802.11ax HEW80_Nss1,(MCS0)_4TX	19.70	0.09333	22.90	0.19498
802.11ax HEW80+80_Nss1,(MCS0)_2TX	13.70	0.02344	16.90	0.04898
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.83	0.09616	24.03	0.25293
802.11ax HEW20_Nss1,(MCS0)_4TX	20.09	0.10209	24.29	0.26853
802.11ax HEW40_Nss1,(MCS0)_4TX	22.64	0.18365	26.84	0.48306
802.11ax HEW80_Nss1,(MCS0)_4TX	22.13	0.16331	26.33	0.42954
802.11ax HEW80+80_Nss1,(MCS0)_2TX	13.27	0.02123	17.47	0.05585
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.72	0.09376	24.02	0.25235
802.11ax HEW20_Nss1,(MCS0)_4TX	20.18	0.10423	24.48	0.28054
802.11ax HEW40_Nss1,(MCS0)_4TX	22.65	0.18408	26.95	0.49545
802.11ax HEW80_Nss1,(MCS0)_4TX	23.22	0.20989	27.52	0.56494
802.11ax HEW80+80_Nss1,(MCS0)_2TX	19.67	0.09268	23.97	0.24774
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.11	0.81470	34.11	2.57632
802.11ax HEW20_Nss1,(MCS0)_4TX	28.70	0.74131	33.70	2.34423
802.11ax HEW40_Nss1,(MCS0)_4TX	27.43	0.55335	32.43	1.74985
802.11ax HEW80_Nss1,(MCS0)_4TX	26.05	0.40272	31.05	1.27350

Result

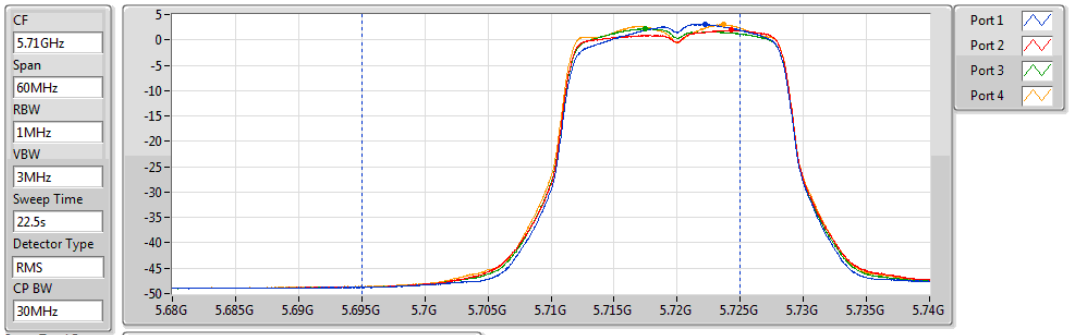
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	3.20	20.55	20.08	20.18	19.85	26.19	30.00	29.39	36.00
5200MHz	Pass	3.20	20.46	20.02	20.1	20.06	26.18	30.00	29.38	36.00
5240MHz	Pass	3.20	20.51	20.01	20.23	19.81	26.17	30.00	29.37	36.00
5260MHz	Pass	4.20	13.41	13.19	13.86	13.64	19.55	23.73	23.75	29.73
5300MHz	Pass	4.20	13.81	13.83	12.95	13.68	19.60	23.65	23.80	29.65
5320MHz	Pass	4.20	14.02	13.68	13.39	14.11	19.83	23.70	24.03	29.70
5500MHz	Pass	4.30	13.92	13.55	13.62	13.68	19.72	23.65	24.02	29.65
5580MHz	Pass	4.30	13.79	13.55	13.42	13.69	19.64	23.67	23.94	29.67
5700MHz	Pass	4.30	13.53	13.26	13.45	14.14	19.63	23.58	23.93	29.58
5720MHz Straddle 5.47-5.725GHz	Pass	4.30	12.51	11.73	12.21	12.67	18.32	22.50	22.62	28.50
5720MHz Straddle 5.725-5.85GHz	Pass	5.00	5.82	6.28	5.46	6.17	11.96	30.00	16.96	36.00
5745MHz	Pass	5.00	23.46	22.81	23.25	22.46	29.03	30.00	34.03	36.00
5785MHz	Pass	5.00	23.45	22.99	22.96	22.94	29.11	30.00	34.11	36.00
5825MHz	Pass	5.00	23.34	22.71	23.35	22.48	29.01	30.00	34.01	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	3.20	18.06	17.21	17.28	17.46	23.54	30.00	26.74	36.00
5200MHz	Pass	3.20	21.38	20.48	20.19	20.75	26.74	30.00	29.94	36.00
5240MHz	Pass	3.20	20.91	20.75	21.26	20.12	26.80	30.00	30.00	36.00
5260MHz	Pass	4.20	14.58	14.01	13.6	14.02	20.09	23.98	24.29	29.98
5300MHz	Pass	4.20	14.51	13.68	13.39	14.05	19.95	23.98	24.15	29.98
5320MHz	Pass	4.20	14.09	13.92	13.61	14.04	19.94	24.00	24.14	30.00
5500MHz	Pass	4.30	14.64	14.24	13.66	14.04	20.18	23.99	24.48	29.99
5580MHz	Pass	4.30	14.31	13.62	14.34	13.85	20.06	23.95	24.36	29.95
5700MHz	Pass	4.30	14.44	13.32	13.64	14.54	20.04	23.95	24.34	29.95
5720MHz Straddle 5.47-5.725GHz	Pass	4.30	12.75	12.08	12.05	13.13	18.55	22.72	22.85	28.72
5720MHz Straddle 5.725-5.85GHz	Pass	5.00	7.8	7.11	7.8	6.87	13.44	30.00	18.44	36.00
5745MHz	Pass	5.00	20.51	20.16	20.91	21.39	26.79	30.00	31.79	36.00
5785MHz	Pass	5.00	22.43	22.63	22.68	22.96	28.70	30.00	33.70	36.00
5825MHz	Pass	5.00	22.89	21.72	22.98	21.69	28.38	30.00	33.38	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	3.20	15.02	14.39	15.01	14.78	20.83	30.00	24.03	36.00
5230MHz	Pass	3.20	20.72	20.04	20.69	19.81	26.35	30.00	29.55	36.00
5270MHz	Pass	4.20	17.21	16.36	16.45	16.41	22.64	24.00	26.84	30.00
5310MHz	Pass	4.20	16.02	15.14	15.16	15.34	21.45	24.00	25.65	30.00
5510MHz	Pass	4.30	14.65	14.08	14.41	14.42	20.42	24.00	24.72	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5590MHz	Pass	4.30	16.58	16.53	16.62	16.78	22.65	24.00	26.95	30.00
5670MHz	Pass	4.30	13.12	13.45	13.83	14.41	19.75	24.00	24.05	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.30	15.28	15.37	15.84	16.16	21.70	24.00	26.00	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.00	6.25	6.42	7.7	6.65	12.81	30.00	17.81	36.00
5755MHz	Pass	5.00	18.12	16.94	17.16	17.21	23.40	30.00	28.40	36.00
5795MHz	Pass	5.00	21.29	21.43	21.82	21.06	27.43	30.00	32.43	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	3.20	13.82	13.45	13.81	13.64	19.70	30.00	22.90	36.00
5290MHz	Pass	4.20	16.21	16.04	16.06	16.12	22.13	24.00	26.33	30.00
5530MHz	Pass	4.30	15.41	15.26	15.06	15.14	21.24	24.00	25.54	30.00
5610MHz	Pass	4.30	17.06	16.95	17.38	17.39	23.22	24.00	27.52	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.30	16.22	16.48	16.52	16.87	22.55	24.00	26.85	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.00	3.07	3.57	2.88	3.96	9.41	30.00	14.41	36.00
5775MHz	Pass	5.00	19.96	20.15	19.96	20.04	26.05	30.00	31.05	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	3.20	11.25	10.05	-	-	13.70	30.00	16.90	36.00
5290MHz	Pass	4.20	-	-	10.11	10.40	13.27	24.00	17.47	30.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	4.30	13.18	13.85	-	-	19.67	24.00	23.97	30.00
5610MHz	Pass		-	-	13.95	13.56				

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

802.11a_Nss1,(6Mbps)_4TX **AV Power**

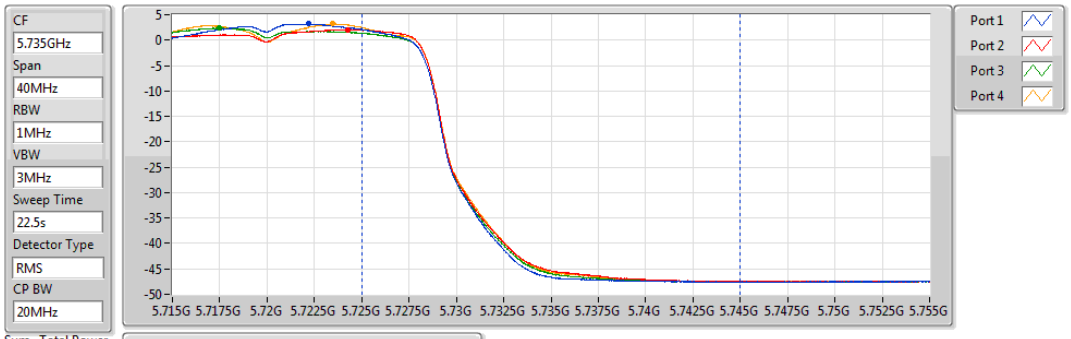
5720MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
18.32	12.51	11.73	12.21	12.67

802.11a_Nss1,(6Mbps)_4TX **AV Power**

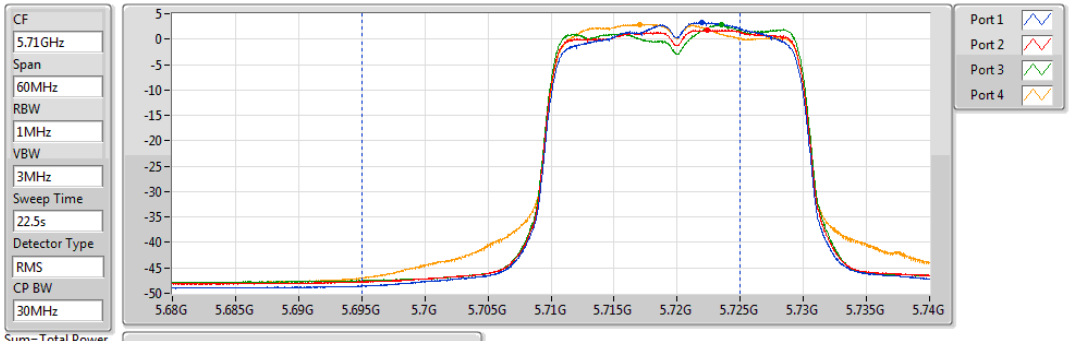
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.96	5.82	6.28	5.46	6.17

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

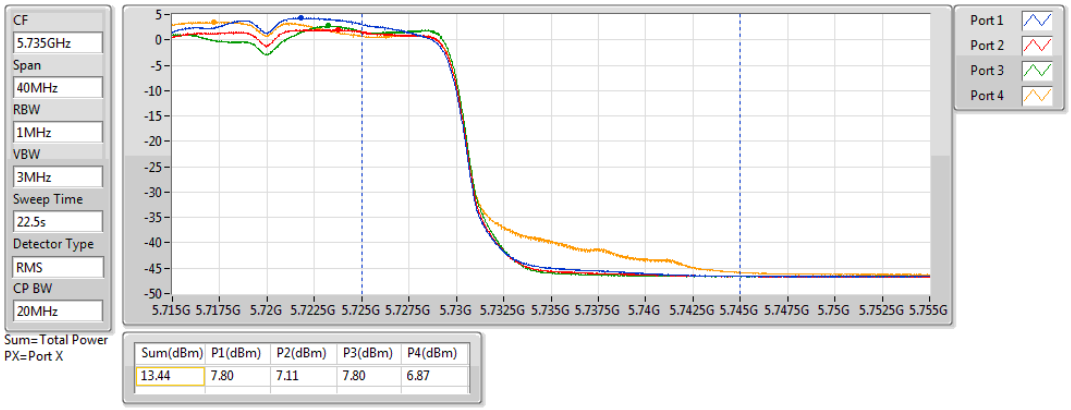
5720MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
18.55	12.75	12.08	12.05	13.13

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

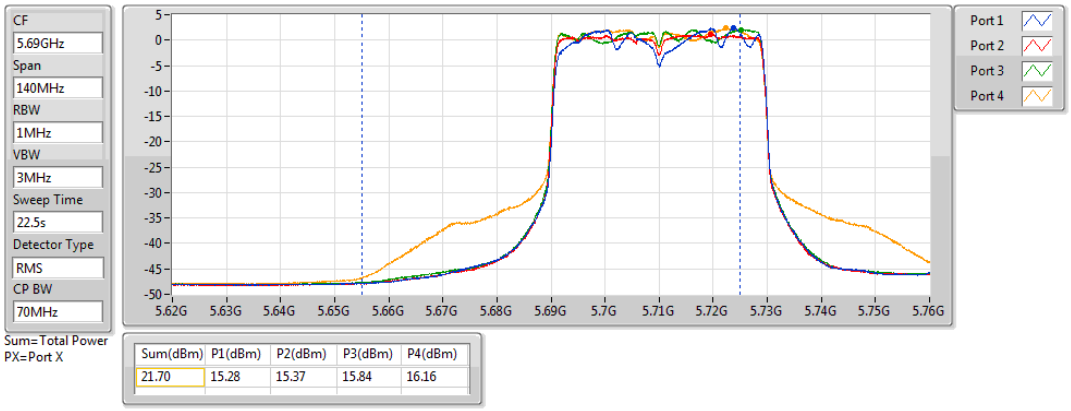
5720MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.44	7.80	7.11	7.80	6.87

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

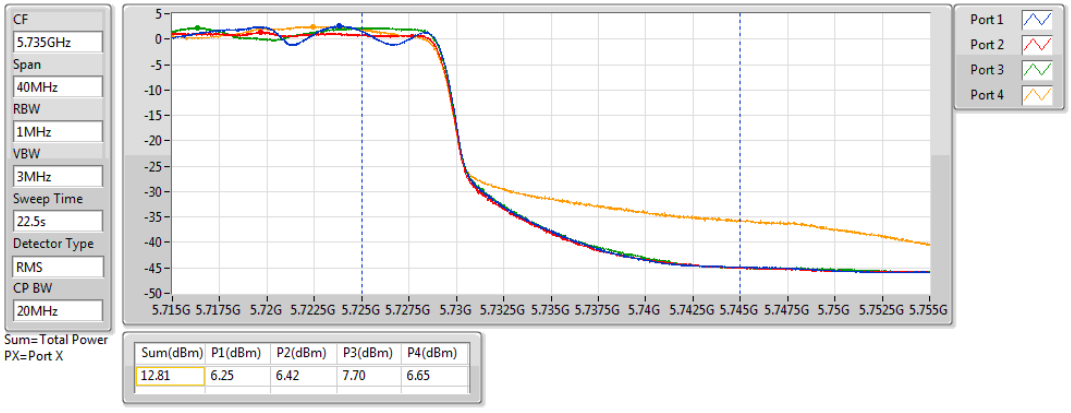
5710MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
21.70	15.28	15.37	15.84	16.16

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

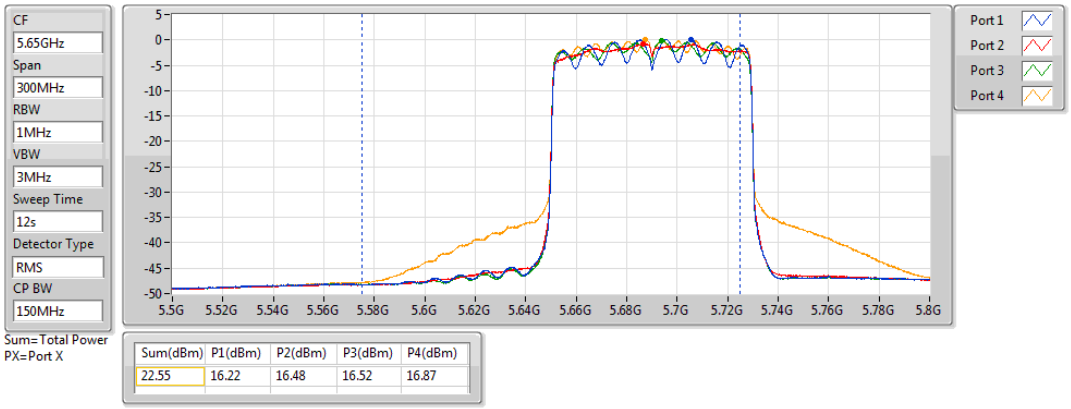
5710MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.81	6.25	6.42	7.70	6.65

802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

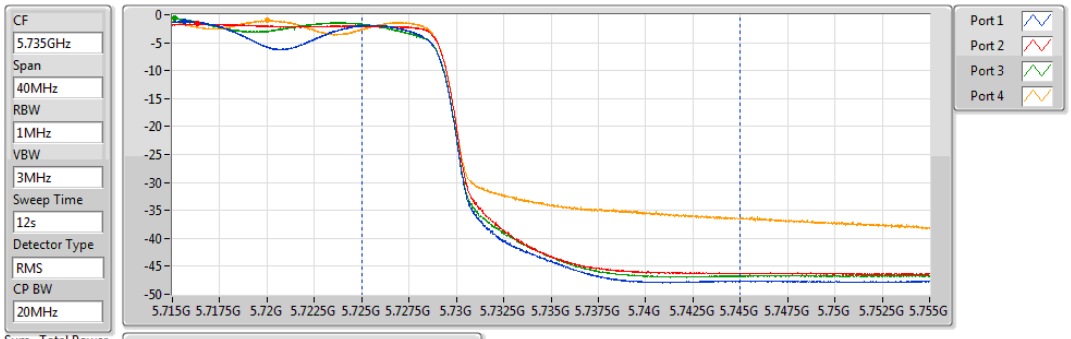
5690MHz Straddle 5.47-5.725GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.55	16.22	16.48	16.52	16.87

802.11ax HEW80_Nss1,(MCS0)_4TX **AV Power**

5690MHz Straddle 5.725-5.85GHz



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.41	3.07	3.57	2.88	3.96

Beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	20.78	0.11967	30.00	1.00000
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	20.33	0.10789	29.55	0.90157
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	13.68	0.02333	22.90	0.19498
802.11ax HEW80+80-BF_Nss1,(MCS0)_2TX	7.68	0.00586	13.89	0.02449
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.07	0.02553	24.29	0.26853
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	16.62	0.04592	26.84	0.48306
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	16.11	0.04083	26.33	0.42954
802.11ax HEW80+80-BF_Nss1,(MCS0)_2TX	7.25	0.00531	14.46	0.02793
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.16	0.02606	24.48	0.28054
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	16.63	0.04603	26.95	0.49545
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	17.20	0.05248	27.52	0.56494
802.11ax HEW80+80-BF_Nss1,(MCS0)_2TX	13.65	0.0023	20.96	0.12474
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.68	0.18535	33.70	2.34423
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	21.41	0.13836	32.43	1.74985
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.03	0.10069	31.05	1.27350

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_ 4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.22	12.04	11.19	11.26	11.44	17.52	26.78	26.74	36.00
5200MHz	Pass	9.22	15.36	14.46	14.17	14.73	20.72	26.78	29.94	36.00
5240MHz	Pass	9.22	14.89	14.73	15.24	14.1	20.78	26.78	30.00	36.00
5260MHz	Pass	10.22	8.56	7.99	7.58	8	14.07	19.78	24.29	30.00
5300MHz	Pass	10.22	8.49	7.66	7.37	8.03	13.93	19.78	24.15	30.00
5320MHz	Pass	10.22	8.07	7.9	7.59	8.02	13.92	19.78	24.14	30.00
5500MHz	Pass	10.32	8.62	8.22	7.64	8.02	14.16	19.68	24.48	30.00
5580MHz	Pass	10.32	8.29	7.6	8.32	7.83	14.04	19.68	24.36	30.00
5700MHz	Pass	10.32	8.42	7.3	7.62	8.52	14.02	19.68	24.34	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.32	6.73	6.06	6.03	7.11	12.53	19.68	22.85	30.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.02	1.78	1.09	1.78	0.85	7.42	24.98	18.44	36.00
5745MHz	Pass	11.02	14.49	14.14	14.89	15.37	20.77	24.98	31.79	36.00
5785MHz	Pass	11.02	16.41	16.61	16.66	16.94	22.68	24.98	33.70	36.00
5825MHz	Pass	11.02	16.87	15.7	16.96	15.67	22.36	24.98	33.38	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_ 4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.22	9	8.37	8.99	8.76	14.81	26.78	24.03	36.00
5230MHz	Pass	9.22	14.7	14.02	14.67	13.79	20.33	26.78	29.55	36.00
5270MHz	Pass	10.22	11.19	10.34	10.43	10.39	16.62	19.78	26.84	30.00
5310MHz	Pass	10.22	10	9.12	9.14	9.32	15.43	19.78	25.65	30.00
5510MHz	Pass	10.32	8.63	8.06	8.39	8.4	14.40	19.68	24.72	30.00
5590MHz	Pass	10.32	10.56	10.51	10.6	10.76	16.63	19.68	26.95	30.00
5670MHz	Pass	10.32	7.1	7.43	7.81	8.39	13.73	19.68	24.05	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.32	9.26	9.35	9.82	10.14	15.68	19.68	26.00	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.02	0.23	0.4	1.68	0.63	6.79	24.98	17.81	36.00
5755MHz	Pass	11.02	12.1	10.92	11.14	11.19	17.38	24.98	28.40	36.00
5795MHz	Pass	11.02	15.27	15.41	15.8	15.04	21.41	24.98	32.43	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_ 4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.22	7.8	7.43	7.79	7.62	13.68	26.78	22.90	36.00
5290MHz	Pass	10.22	10.19	10.02	10.04	10.1	16.11	19.78	26.33	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5530MHz	Pass	10.32	9.39	9.24	9.04	9.12	15.22	19.68	25.54	30.00
5610MHz	Pass	10.32	11.04	10.93	11.36	11.37	17.20	19.68	27.52	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.32	10.2	10.46	10.5	10.85	16.53	19.68	26.85	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.02	-2.95	-2.45	-3.14	-2.06	3.39	24.98	14.41	36.00
5775MHz	Pass	11.02	13.94	14.13	13.94	14.02	20.03	24.98	31.05	36.00
802.11ax HEW80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	6.21	5.23	4.03	-	-	7.68	29.79	13.89	36.00
5290MHz	Pass	7.21	-	-	4.09	4.38	7.25	22.79	14.46	30.00
802.11ax HEW80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	7.31	7.16	7.83	-	-	13.65	22.69	20.96	30.00
5610MHz	Pass		-	-	7.93	7.54				

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

Note:
1. D.F is duty factor.
2. Test result is bin-by-bin summing measured value of each TX port.
3. 5150-5250 MHz
   2TX
   Directional gain = 3.2 + 10 * log(2/1) =6.21 dBi > 6 dBi.
   Limit shall be reduced to 30 dBm – (6.21 dBi – 6 dBi) = 29.79 dBm.

   4TX
   Directional gain = 3.2 + 10 * log(4/1) =9.22 dBi > 6 dBi.
   Limit shall be reduced to 30 dBm – (9.22 dBi – 6 dBi) = 26.78 dBm.

   5250-5350 MHz
   2TX
   Directional gain = 4.2 + 10 * log(2/1) =7.21 dBi > 6 dBi.
   Limit shall be reduced to 24 dBm – (7.21 dBi – 6 dBi) = 22.79 dBm.

   4TX
   Directional gain = 4.2+ 10 * log(4/1) =10.22 dBi > 6 dBi.
   Limit shall be reduced to 24 dBm – (10.22 dBi – 6 dBi) =19.78 dBm.

   5470-5750 MHz
   2TX
   Directional gain = 4.3 + 10 * log(2/1) =7.31 dBi > 6 dBi.
   Limit shall be reduced to 24 dBm – (7.31 dBi – 6 dBi) = 22.69 dBm.

   4TX
   Directional gain = 4.3 + 10 * log(4/1) =10.32 dBi > 6 dBi.
   Limit shall be reduced to 24 dBm – (10.32dBi – 6 dBi) =19.68 dBm.

   5725-5850 MHz / 4TX
   Directional gain = 5 + 10 * log(4/1) =11.02 dBi > 6 dBi.
   Limit shall be reduced to 30 dBm – (11.02 dBi – 6 dBi) = 24.98 dBm.

3.4 Peak Power Spectral Density

3.4.1 Limit of Peak Power Spectral Density

Frequency band 5150-5250 MHz		
Operating Mode		**Limit**
☐	Outdoor access point	17 dBm / MHz
☒	Indoor access point	17 dBm / MHz
☐	Fixed point-to-point access points	17 dBm / MHz
☐	Client devices	11 dBm / MHz

Frequency Band (MHz)		**Limit**
☒	5250 ~ 5350	11 dBm / MHz
☒	5470 ~ 5725	11 dBm / MHz
☒	5725 ~ 5850	30 dBm /500 kHz

3.4.2 Test Procedures

For 5150 ~ 5250 MHz / 5250 ~ 5350 MHz / 5470 ~ 5725 MHz

Duty cycle ≥ 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

Duty cycle < 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time ≥ 10 * (number of points in sweep) * (total on/off period of the transmitted signal).
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add 10 log(1/x), where x is the duty cycle.

For 5725 ~ 5850 MHz

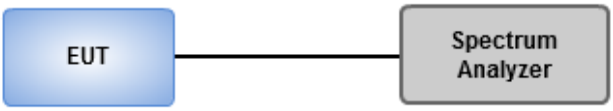
Duty cycle ≥ 98 %

1. Set RBW = 500 kHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

Duty cycle < 98 %

1. Set RBW = 500 kHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time ≥ 10 * (number of points in sweep) * (total on/off period of the transmitted signal).
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add 10 log(1/x), where x is the duty cycle.

3.4.3 Test Setup



3.4.4 Test Result of Peak Power Spectral Density

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	13.39	22.61
802.11ax HEW20_Nss1,(MCS0)_4TX	13.66	22.88
802.11ax HEW40_Nss1,(MCS0)_4TX	9.51	18.73
802.11ax HEW80_Nss1,(MCS0)_4TX	0.38	9.60
11ax80+80_Nss1,(MCS0)_2TX	-5.19	1.02
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	6.76	16.98
802.11ax HEW20_Nss1,(MCS0)_4TX	6.51	16.73
802.11ax HEW40_Nss1,(MCS0)_4TX	6.62	16.84
802.11ax HEW80_Nss1,(MCS0)_4TX	2.80	13.02
11ax80+80_Nss1,(MCS0)_2TX	-5.42	1.79
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	6.61	16.93
802.11ax HEW20_Nss1,(MCS0)_4TX	6.59	16.91
802.11ax HEW40_Nss1,(MCS0)_4TX	6.42	16.74
802.11ax HEW80_Nss1,(MCS0)_4TX	3.88	14.20
11ax80+80_Nss1,(MCS0)_2TX	-1.60	5.71
11ax80+80_Nss1,(MCS0)_2TX	-1.97	5.34
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	14.46	25.48
802.11ax HEW20_Nss1,(MCS0)_4TX	13.19	24.21
802.11ax HEW40_Nss1,(MCS0)_4TX	9.70	20.72
802.11ax HEW80_Nss1,(MCS0)_4TX	5.37	16.39

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.22	8.17	7.73	7.78	7.06	13.39	13.78	22.61	23.00
5200MHz	Pass	9.22	8.10	7.37	7.33	6.60	13.29	13.78	22.51	23.00
5240MHz	Pass	9.22	7.63	7.94	7.63	6.82	13.22	13.78	22.44	23.00
5260MHz	Pass	10.22	0.86	0.29	0.25	0.21	6.36	6.78	16.58	17.00
5300MHz	Pass	10.22	1.24	0.63	0.33	0.63	6.47	6.78	16.69	17.00
5320MHz	Pass	10.22	1.50	1.01	0.22	1.18	6.76	6.78	16.98	17.00
5500MHz	Pass	10.32	1.03	-0.01	0.33	0.55	6.23	6.68	16.55	17.00
5580MHz	Pass	10.32	1.56	0.20	0.99	0.87	6.55	6.68	16.87	17.00
5700MHz	Pass	10.32	1.33	0.48	1.15	1.42	6.61	6.68	16.93	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.32	1.29	0.10	0.45	1.28	6.57	6.68	16.89	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.02	-1.22	-1.29	-1.90	-0.81	4.73	24.98	15.75	36.00
5745MHz	Pass	11.02	9.31	7.85	8.94	7.01	14.28	24.98	25.30	36.00
5785MHz	Pass	11.02	9.50	8.09	8.63	7.48	14.46	24.98	25.48	36.00
5825MHz	Pass	11.02	9.89	8.19	8.50	7.42	14.43	24.98	25.45	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.22	5.33	4.33	4.31	3.92	10.42	13.78	19.64	23.00
5200MHz	Pass	9.22	8.86	7.73	7.66	6.45	13.56	13.78	22.78	23.00
5240MHz	Pass	9.22	8.86	7.47	8.34	7.19	13.66	13.78	22.88	23.00
5260MHz	Pass	10.22	1.4	0.32	0.81	0.07	6.51	6.78	16.73	17.00
5300MHz	Pass	10.22	1.65	0.45	0.48	0.12	6.47	6.78	16.69	17.00
5320MHz	Pass	10.22	1.19	0.78	0.28	1.13	6.48	6.78	16.70	17.00
5500MHz	Pass	10.32	1.56	0.73	0.45	1.12	6.59	6.68	16.91	17.00
5580MHz	Pass	10.32	1.69	0.49	0.64	1.12	6.54	6.68	16.86	17.00
5700MHz	Pass	10.32	1.62	0.26	0.26	1.04	6.53	6.68	16.85	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	10.32	1.51	-0.07	-0.20	1.17	6.34	6.68	16.66	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.02	-0.20	-1.58	-1.39	-2.43	4.59	24.98	15.61	36.00
5745MHz	Pass	11.02	6.61	5.16	6.47	6.73	11.96	24.98	22.98	36.00
5785MHz	Pass	11.02	7.98	6.84	7.94	6.79	13.19	24.98	24.21	36.00
5825MHz	Pass	11.02	7.37	7.18	8.58	6.55	12.83	24.98	23.85	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.22	-0.89	-1.63	-1.73	-2.19	4.23	13.78	13.45	23.00
5230MHz	Pass	9.22	4.75	3.73	4.17	2.69	9.51	13.78	18.73	23.00
5270MHz	Pass	10.22	1.75	0.41	1.20	0.54	6.62	6.78	16.84	17.00

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5310MHz	Pass	10.22	0.49	-0.60	-0.58	-0.65	5.40	6.78	15.62	17.00
5510MHz	Pass	10.32	-0.78	-1.66	-1.70	-1.33	4.45	6.68	14.77	17.00
5590MHz	Pass	10.32	0.94	-0.11	1.08	0.74	6.42	6.68	16.74	17.00
5670MHz	Pass	10.32	-1.89	-2.78	-1.86	-1.46	3.80	6.68	14.12	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	10.32	0.62	-0.59	0.27	0.52	6.07	6.68	16.39	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.02	-1.41	-2.46	-1.11	-1.37	4.37	24.98	15.39	36.00
5755MHz	Pass	11.02	0.77	-1.24	-0.01	-0.81	5.53	24.98	16.55	36.00
5795MHz	Pass	11.02	4.48	3.36	4.62	2.38	9.70	24.98	20.72	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.22	-4.64	-5.39	-4.91	-5.56	0.38	13.78	9.60	23.00
5290MHz	Pass	10.22	-2.11	-3.04	-3.03	-3.38	2.80	6.78	13.02	17.00
5530MHz	Pass	10.32	-3.44	-4.08	-4.02	-3.62	1.77	6.68	12.09	17.00
5610MHz	Pass	10.32	-1.73	-2.30	-1.36	-2.04	3.88	6.68	14.20	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	10.32	-2.03	-2.34	-1.68	-1.49	3.85	6.68	14.17	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.02	-5.21	-5.30	-4.95	-4.67	0.75	24.98	11.77	36.00
5775MHz	Pass	11.02	-0.44	-0.80	-0.18	-0.63	5.37	24.98	16.39	36.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	6.21	-7.24	-9.21	-	-	-5.19	16.79	1.02	23.00
5290MHz	Pass	7.21	-	-	-8.21	-8.61	-5.42	9.79	1.79	17.00
802.11ax HEW80+80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	7.31	-4.19	-4.77	-	-	-1.60	9.69	5.71	17.00
5610MHz	Pass	7.31	-	-	-4.20	-5.62	-1.97	9.69	5.34	17.00

DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;
Directional gain
5150-5250 MHz
2TX
Directional gain = 3.2 + 10 * log(2/1) =6.21 dBi > 6 dBi.
Limit shall be reduced to 17 dBm – (6.21 dBi – 6 dBi) = 16.79 dBm.

4TX
Directional gain = 3.2 + 10 * log(4/1) =9.22 dBi > 6 dBi.
Limit shall be reduced to 17 dBm – (9.22 dBi – 6 dBi) = 13.78 dBm.

5250-5350 MHz
2TX
Directional gain = 4.2 + 10 * log(2/1) =7.21 dBi > 6 dBi.
Limit shall be reduced to 11 dBm – (7.21 dBi – 6 dBi) = 9.79 dBm.

4TX
Directional gain = 4.2+ 10 * log(4/1) =10.22 dBi > 6 dBi.
Limit shall be reduced to 11 dBm – (10.22 dBi – 6 dBi) =6.78 dBm.

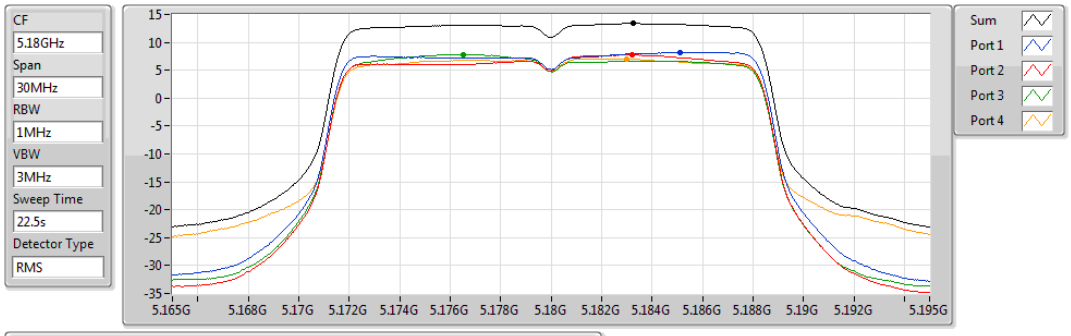
5470-5750 MHz
2TX
Directional gain = 4.3 + 10 * log(2/1) =7.31 dBi > 6 dBi.
Limit shall be reduced to 11 dBm – (7.31 dBi – 6 dBi) = 9.69 dBm.

4TX
Directional gain = 4.3 + 10 * log(4/1) =10.32 dBi > 6 dBi.
Limit shall be reduced to 11dBm – (10.32dBi – 6 dBi) =6.68 dBm.

5725-5850 MHz / 4TX
Directional gain = 5 + 10 * log(4/1) =11.02 dBi > 6 dBi.
Limit shall be reduced to 30 dBm – (11.02 dBi – 6 dBi) = 24.98 dBm.

802.11a_Nss1,(6Mbps)_4TX PSD

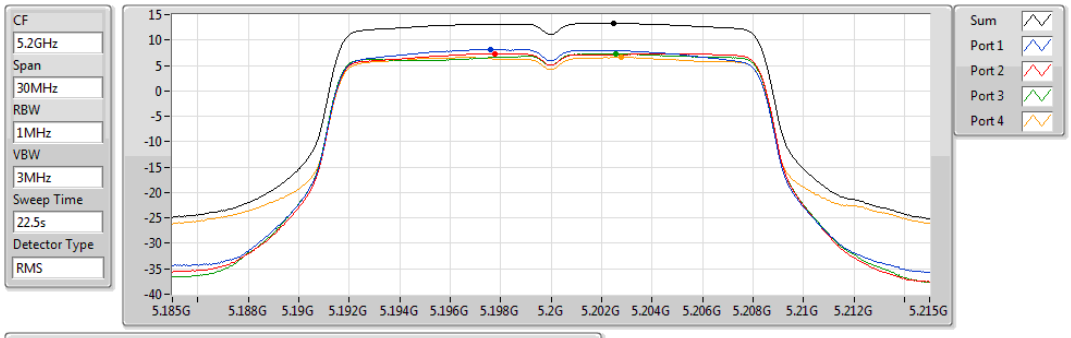
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.39	13.39	8.17	7.73	7.78	7.06

802.11a_Nss1,(6Mbps)_4TX PSD

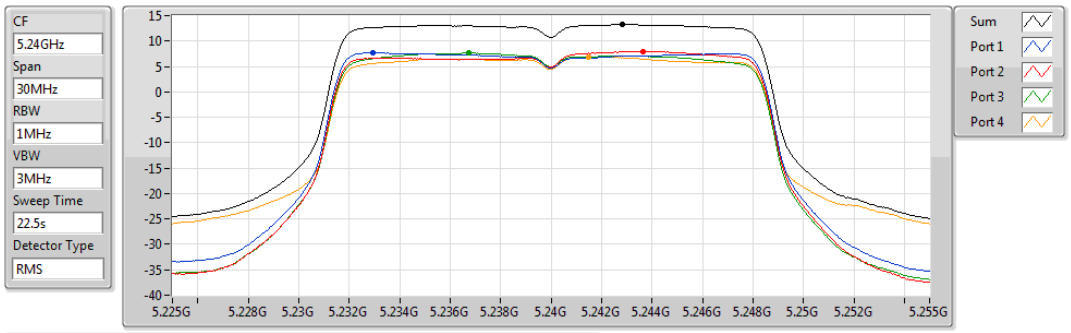
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.29	13.29	8.10	7.37	7.33	6.60

802.11a_Nss1,(6Mbps)_4TX PSD

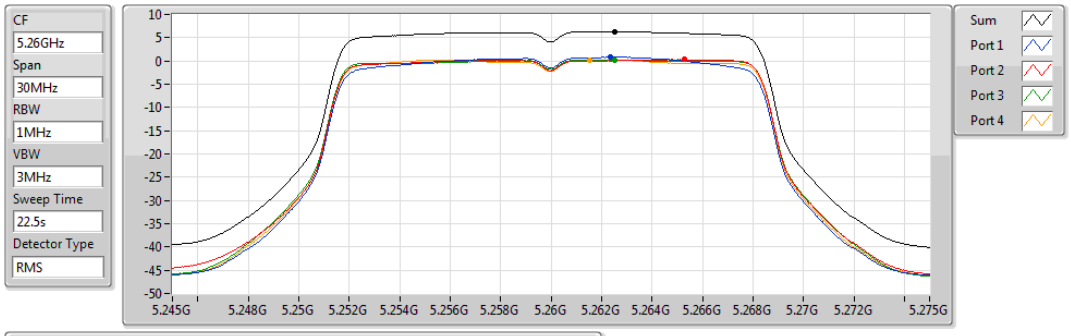
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.22	13.22	7.63	7.94	7.63	6.82

802.11a_Nss1,(6Mbps)_4TX PSD

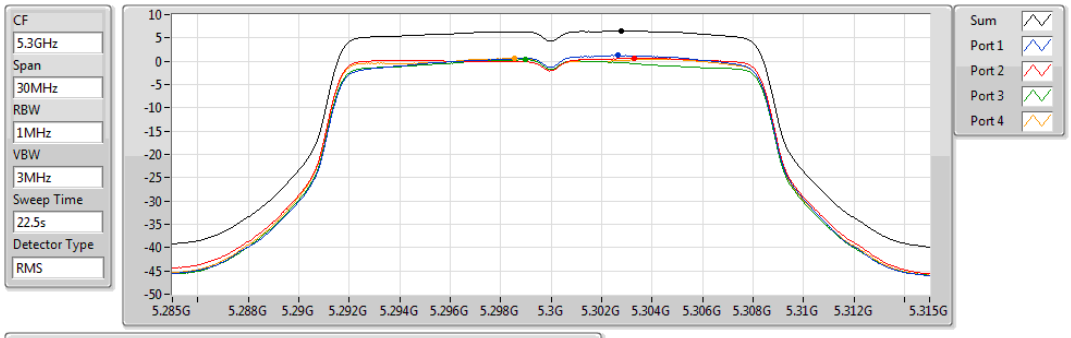
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.36	6.36	0.86	0.29	0.25	0.21

802.11a_Nss1,(6Mbps)_4TX PSD

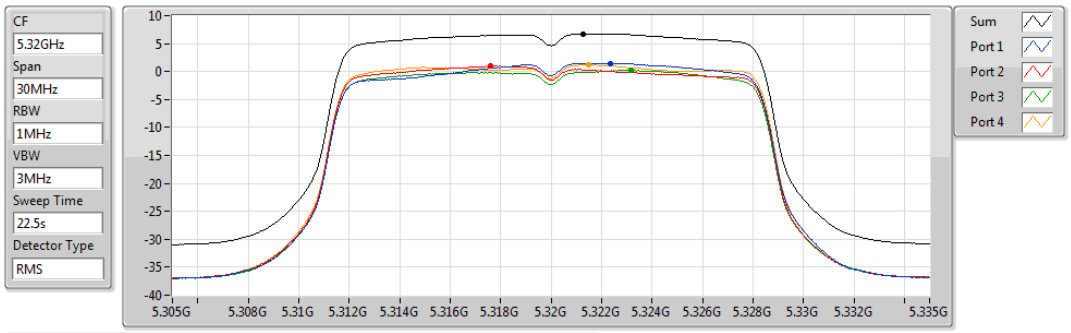
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.47	6.47	1.24	0.63	0.33	0.63

802.11a_Nss1,(6Mbps)_4TX PSD

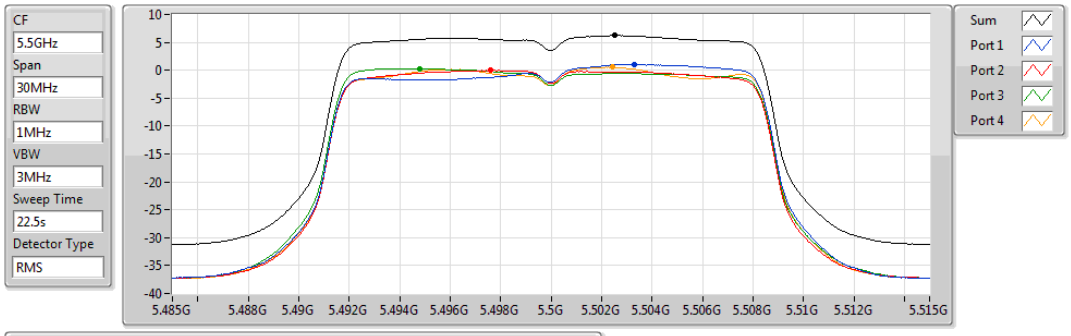
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.76	6.76	1.50	1.01	0.22	1.18

802.11a_Nss1,(6Mbps)_4TX PSD

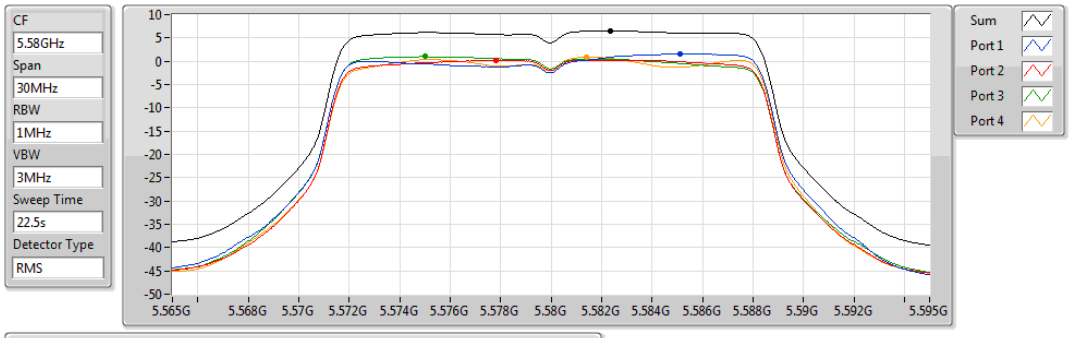
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.23	6.23	1.03	-0.01	0.33	0.55

802.11a_Nss1,(6Mbps)_4TX PSD

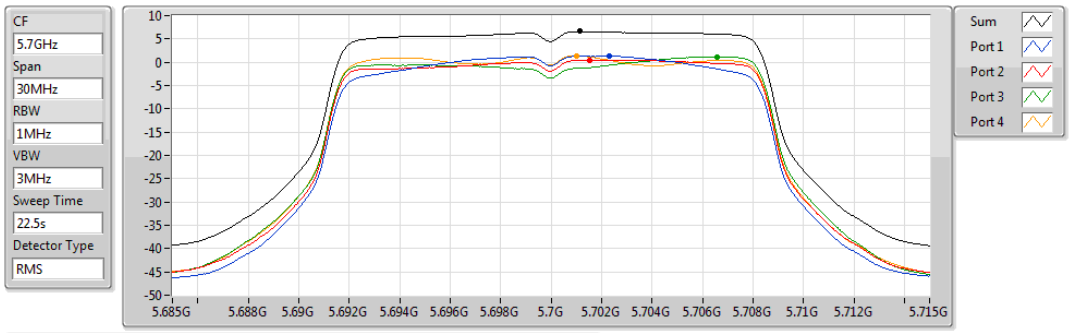
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.55	6.55	1.56	0.20	0.99	0.87

802.11a_Nss1,(6Mbps)_4TX PSD

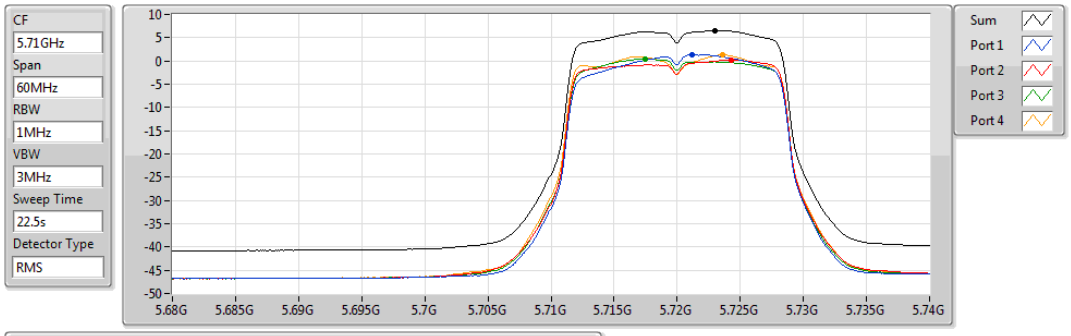
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.61	6.61	1.33	0.48	1.15	1.42

802.11a_Nss1,(6Mbps)_4TX PSD

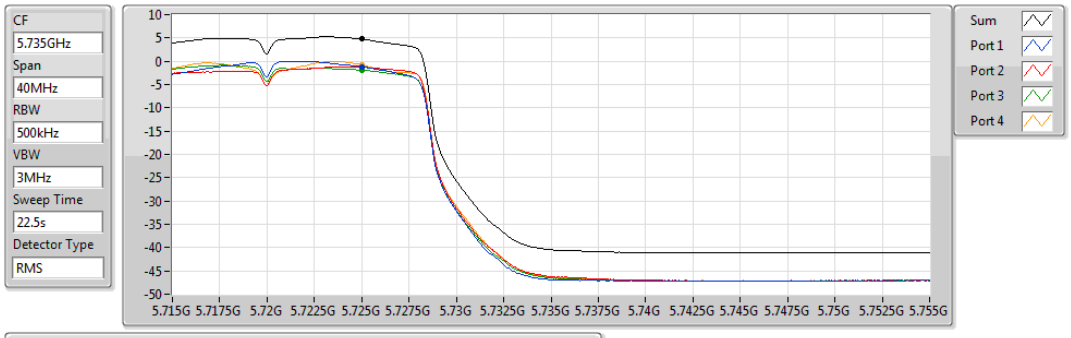
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.57	6.57	1.29	0.10	0.45	1.28

802.11a_Nss1,(6Mbps)_4TX PSD

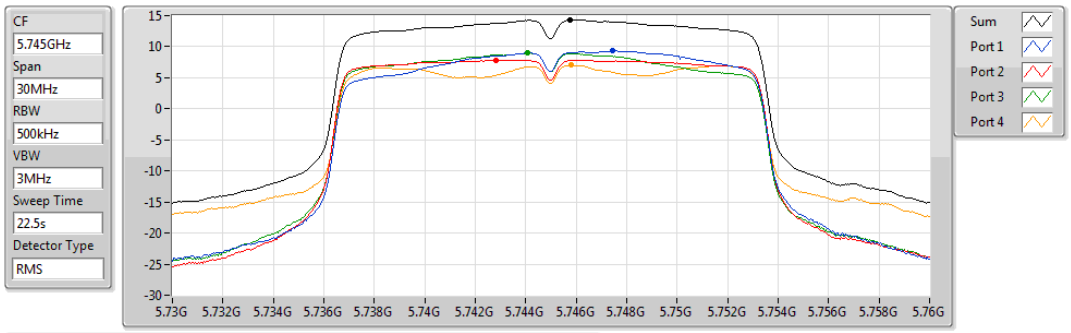
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.73	4.73	-1.22	-1.29	-1.90	-0.81

802.11a_Nss1,(6Mbps)_4TX PSD

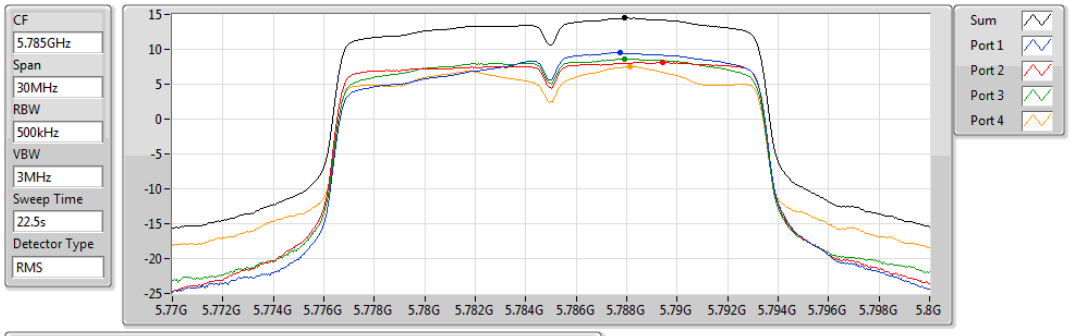
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.28	14.28	9.31	7.85	8.94	7.01

802.11a_Nss1,(6Mbps)_4TX **PSD**

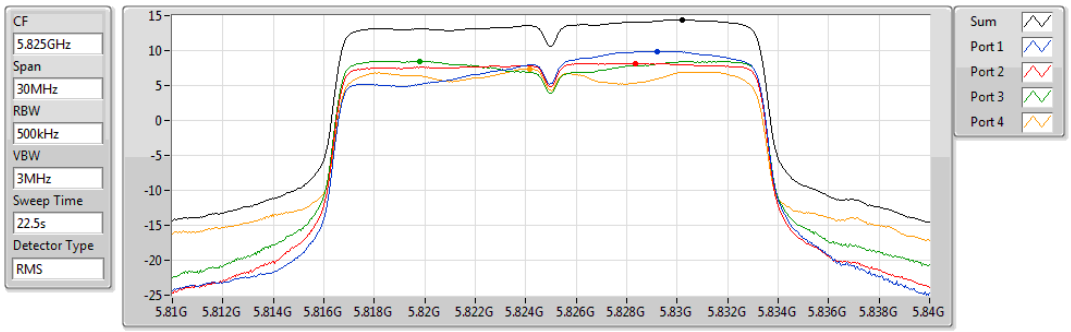
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.46	14.46	9.50	8.09	8.63	7.48

802.11a_Nss1,(6Mbps)_4TX **PSD**

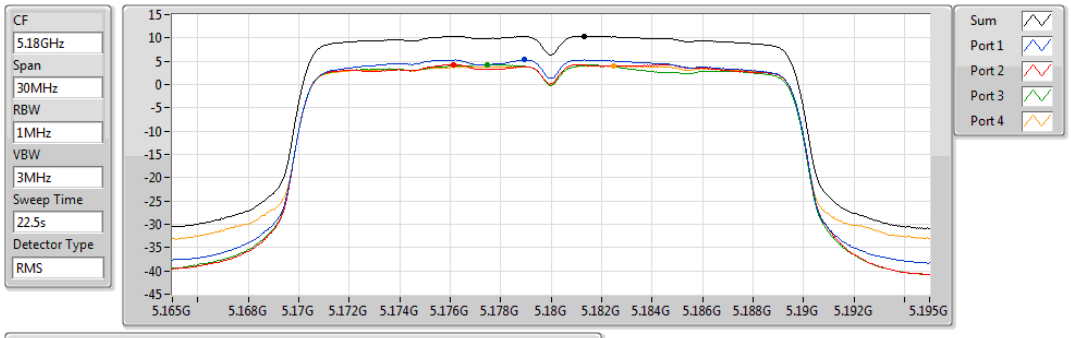
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.43	14.43	9.89	8.19	8.50	7.42

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

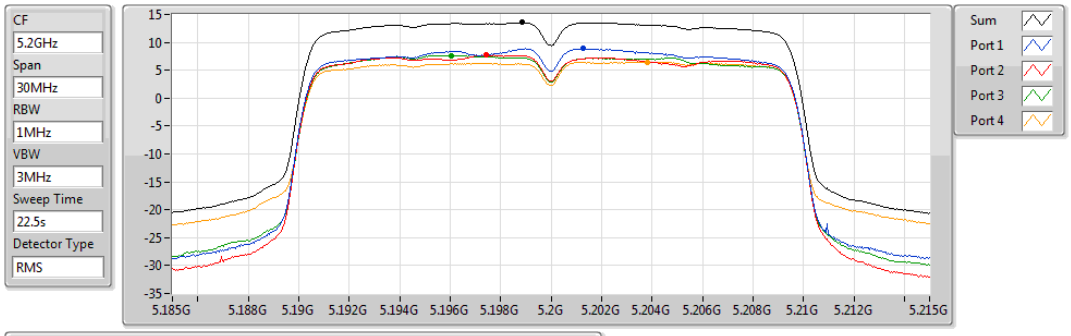
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.42	10.42	5.33	4.33	4.31	3.92

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

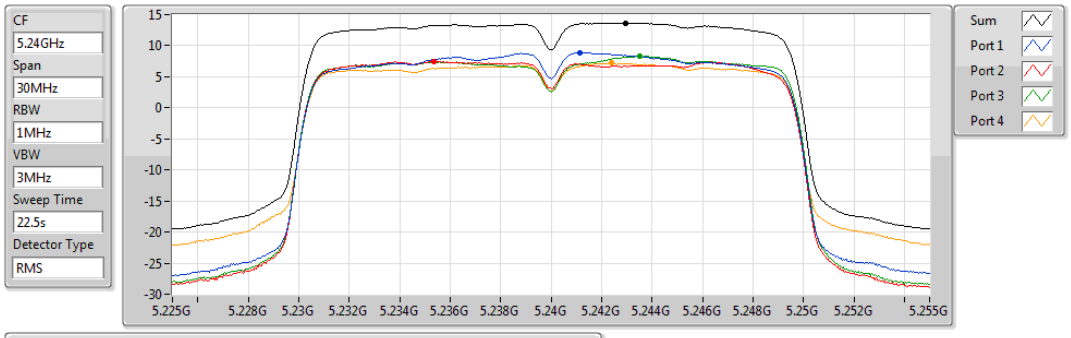
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.56	13.56	8.86	7.73	7.66	6.45

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

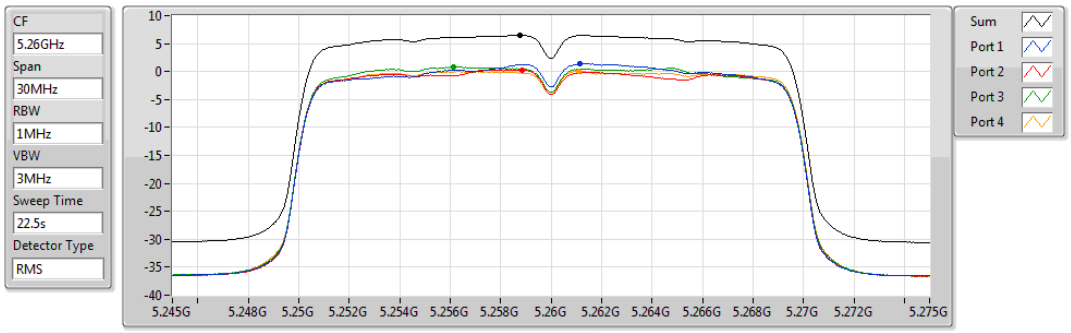
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.66	13.66	8.86	7.47	8.34	7.19

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

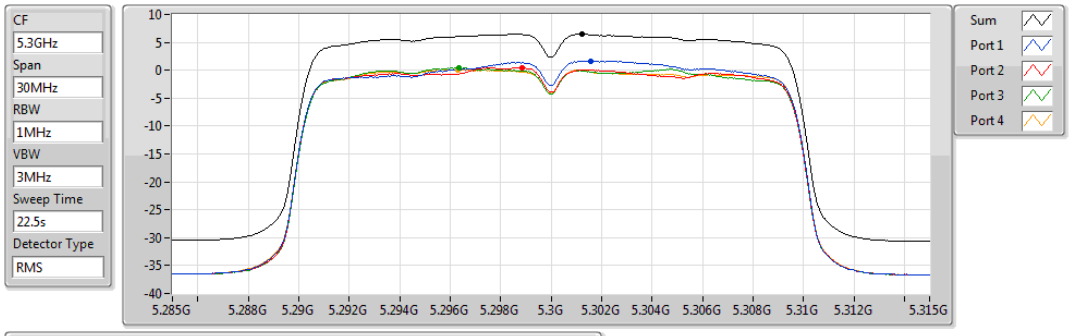
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.51	6.51	1.40	0.32	0.81	0.07

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

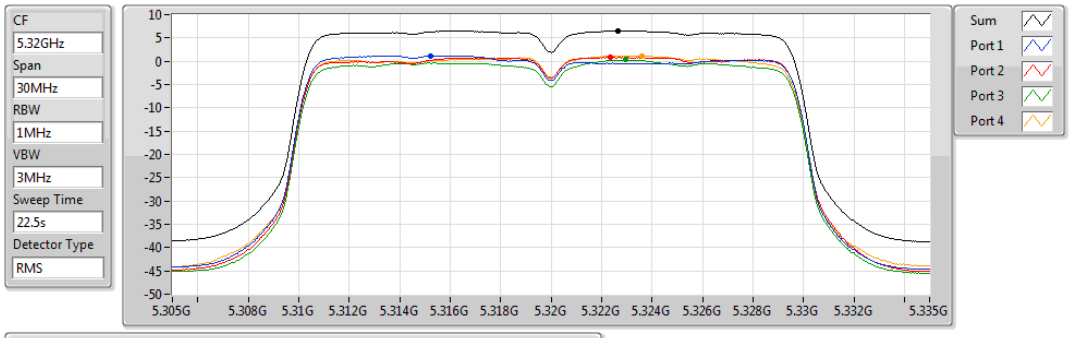
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.47	6.47	1.65	0.45	0.48	0.12

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

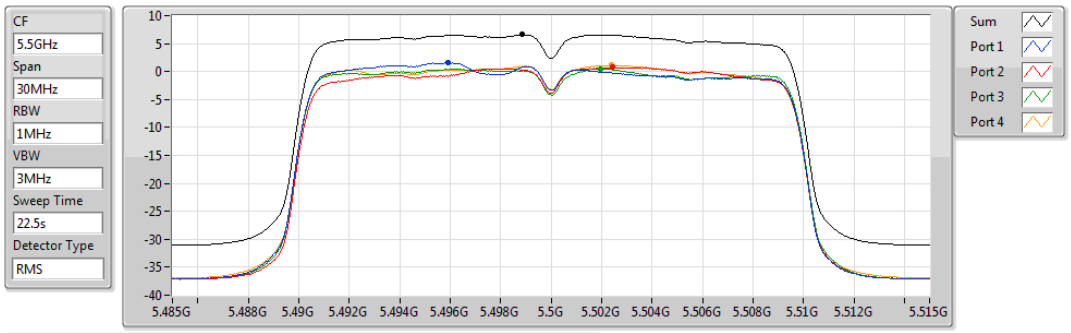
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.48	6.48	1.19	0.78	0.28	1.13

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

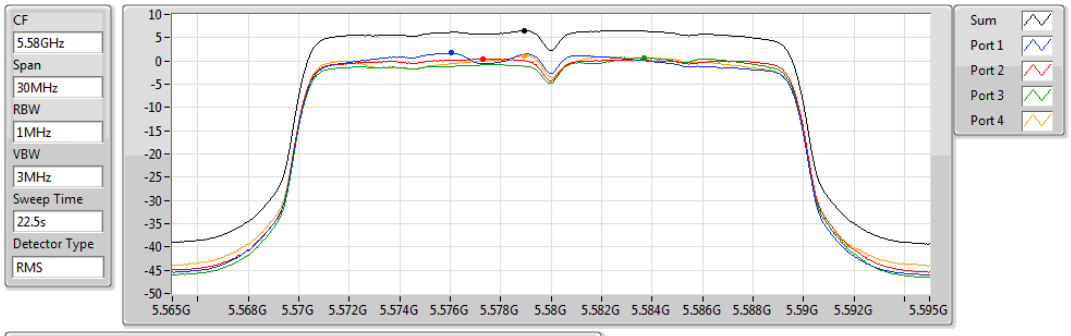
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.59	6.59	1.56	0.73	0.45	1.12

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

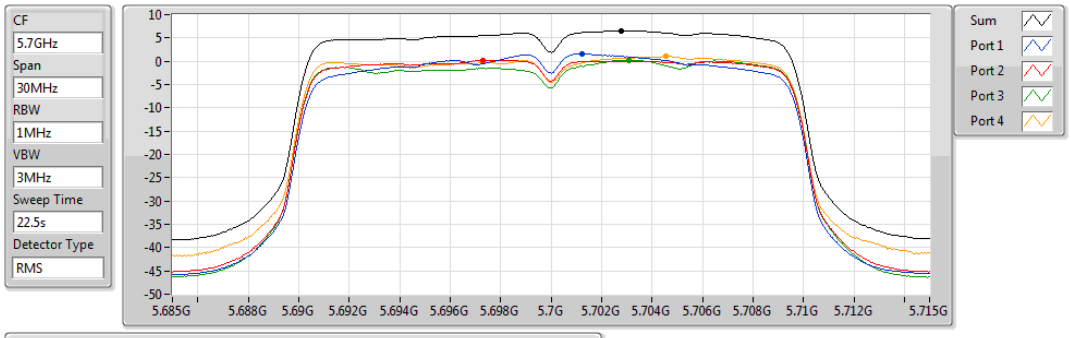
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.54	6.54	1.69	0.49	0.64	1.12

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

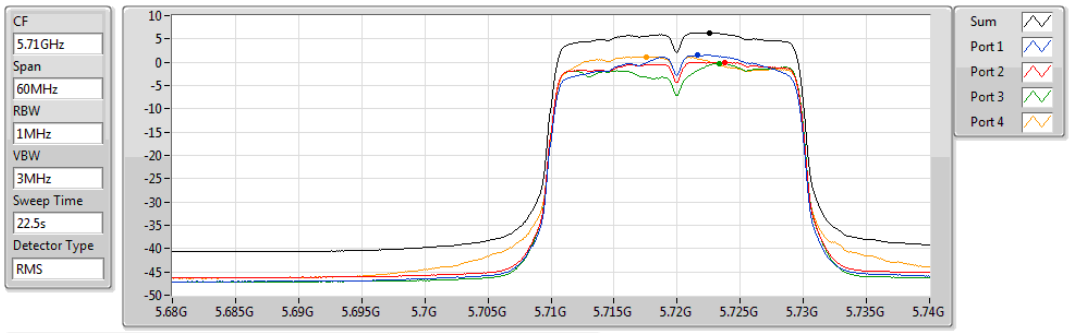
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.53	6.53	1.62	0.26	0.26	1.04

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

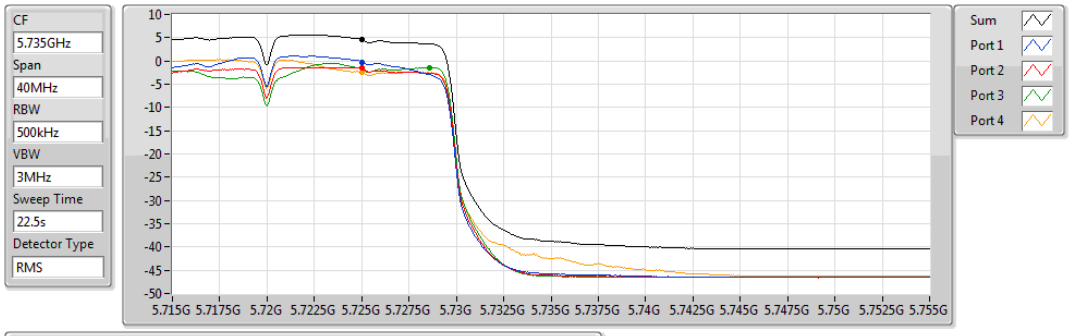
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.34	6.34	1.51	-0.07	-0.20	1.17

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

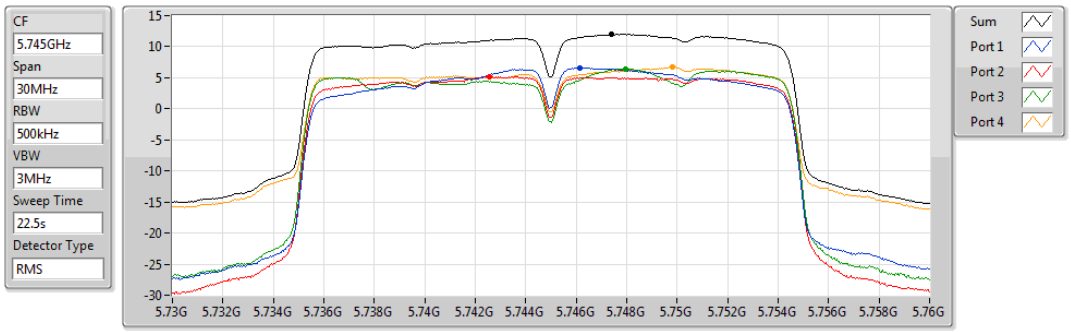
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.59	4.59	-0.20	-1.58	-1.39	-2.43

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

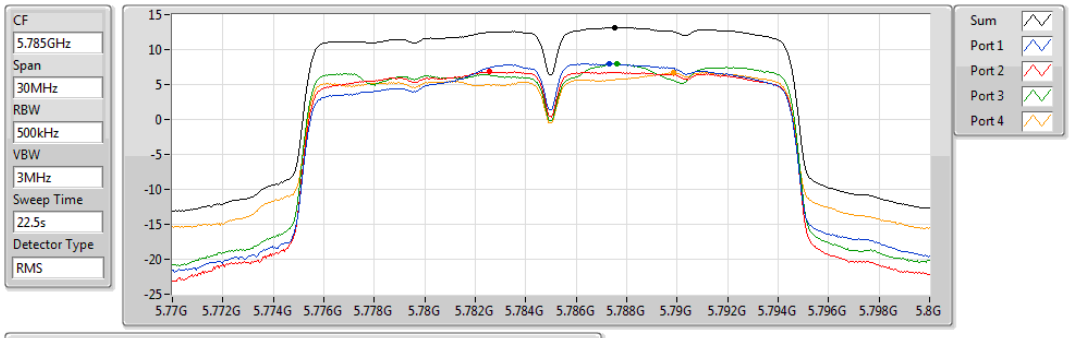
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.96	11.96	6.61	5.16	6.47	6.73

802.11ax HEW20_Nss1,(MCS0)_4TX **PSD**

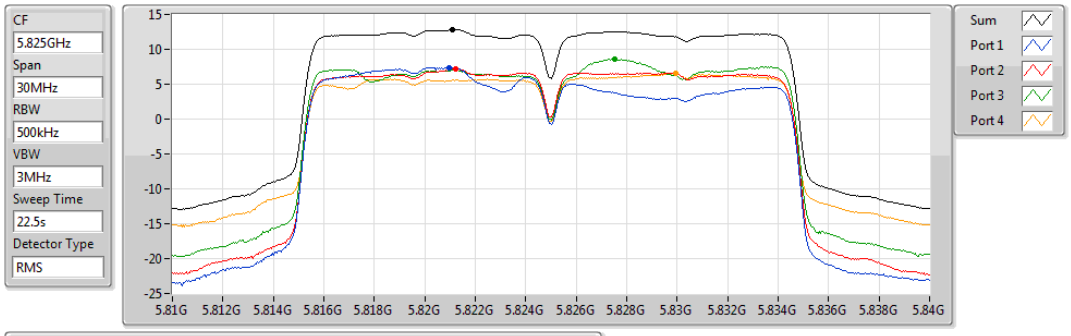
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.19	13.19	7.98	6.84	7.94	6.79

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

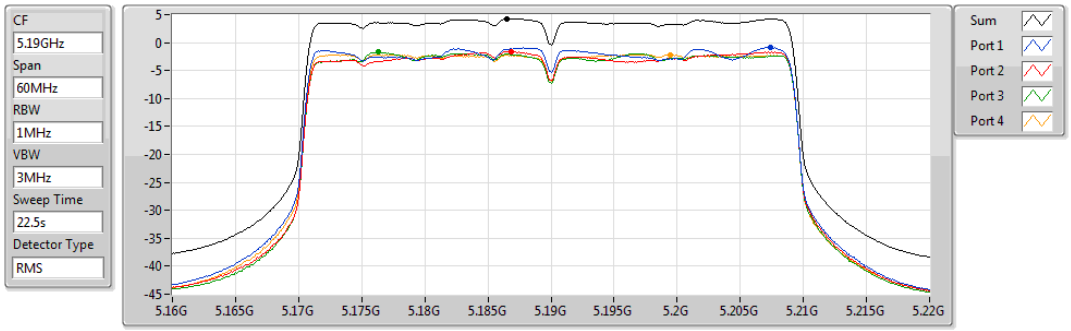
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.83	12.83	7.37	7.18	8.58	6.55

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

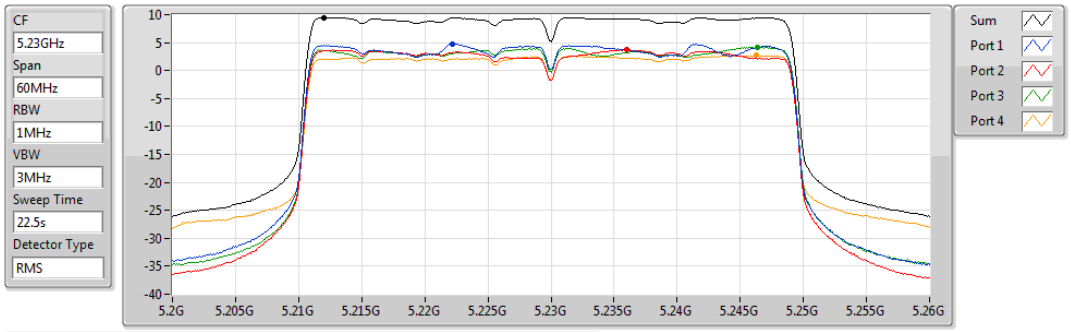
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.23	4.23	-0.89	-1.63	-1.73	-2.19

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

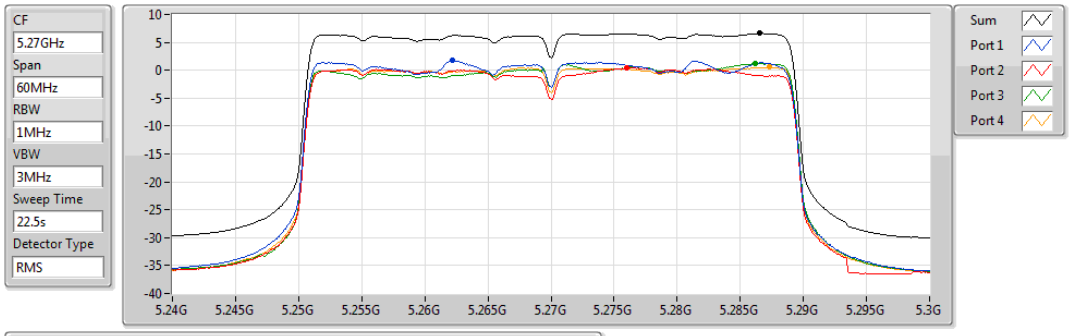
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.51	9.51	4.75	3.73	4.17	2.69

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

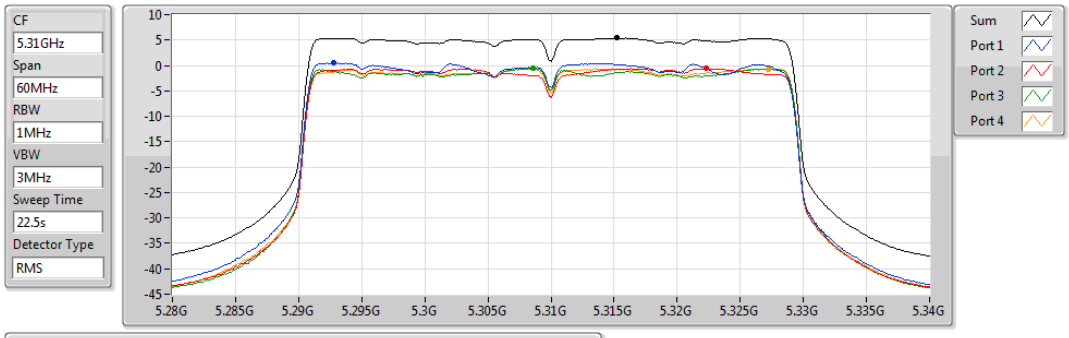
5270MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.62	6.62	1.75	0.41	1.20	0.54

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

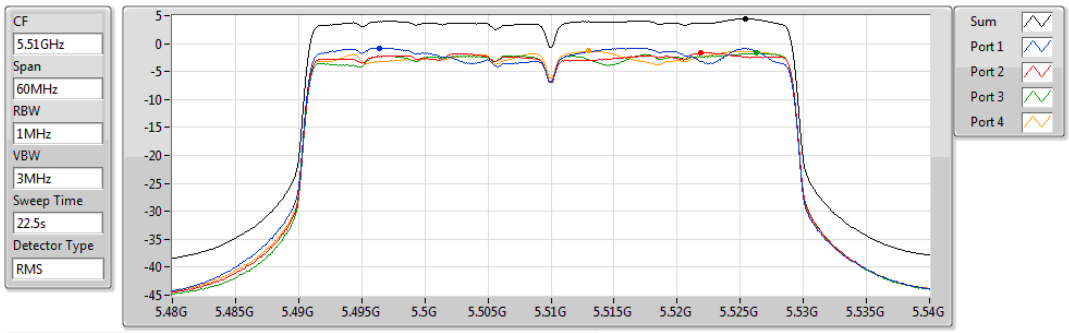
5310MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.40	5.40	0.49	-0.60	-0.58	-0.65

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

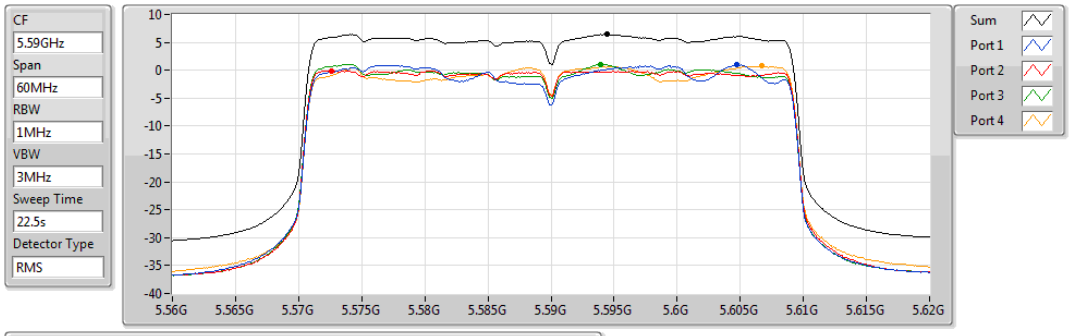
5510MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.45	4.45	-0.78	-1.66	-1.70	-1.33

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

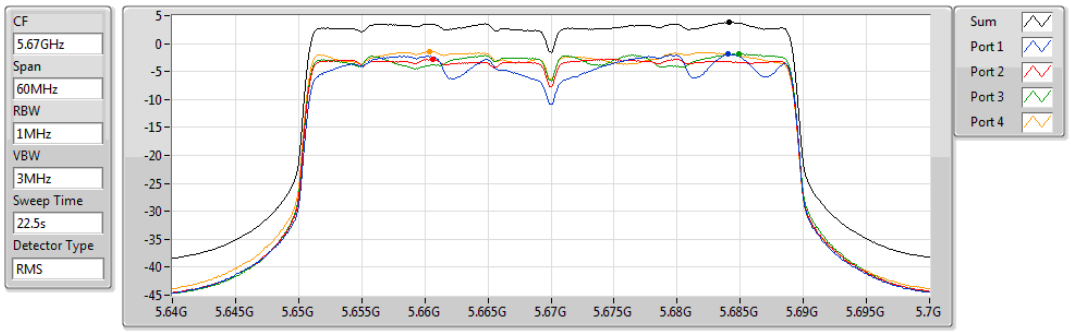
5590MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.42	6.42	0.94	-0.11	1.08	0.74

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

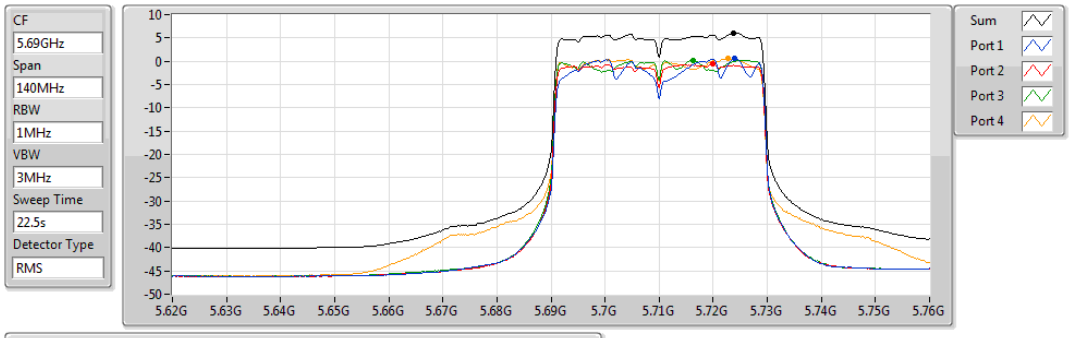
5670MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.80	3.80	-1.89	-2.78	-1.86	-1.46

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

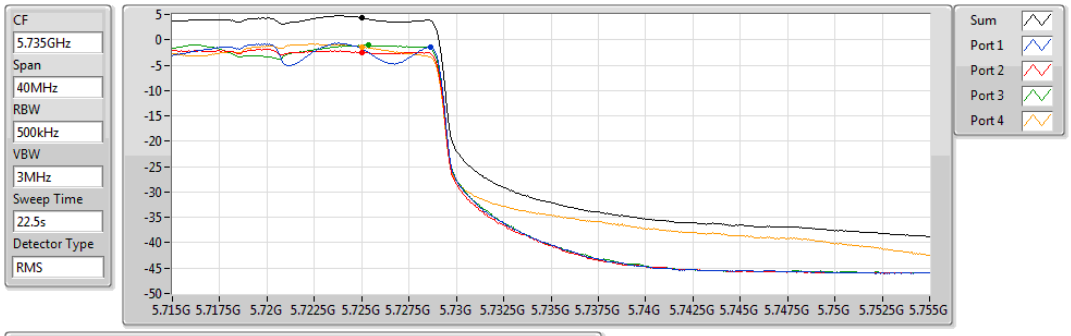
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.07	6.07	0.62	-0.59	0.27	0.52

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

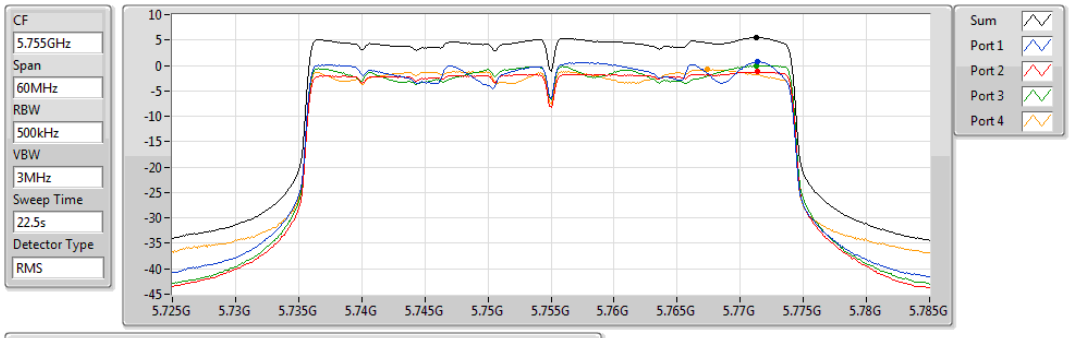
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.37	4.37	-1.41	-2.46	-1.11	-1.37

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

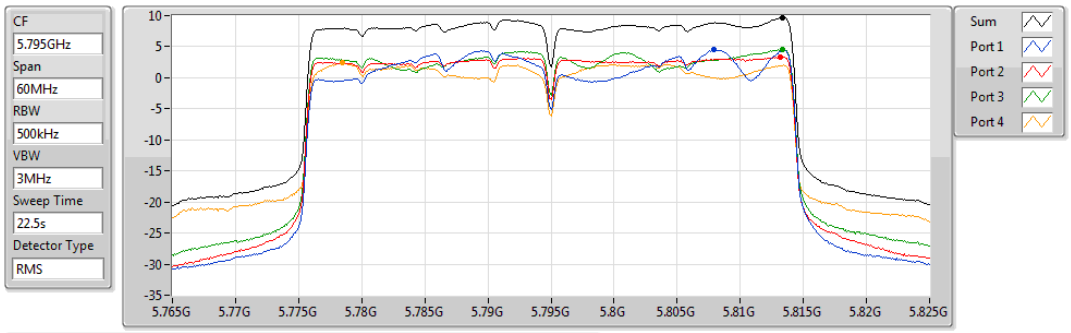
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.53	5.53	0.77	-1.24	-0.01	-0.81

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

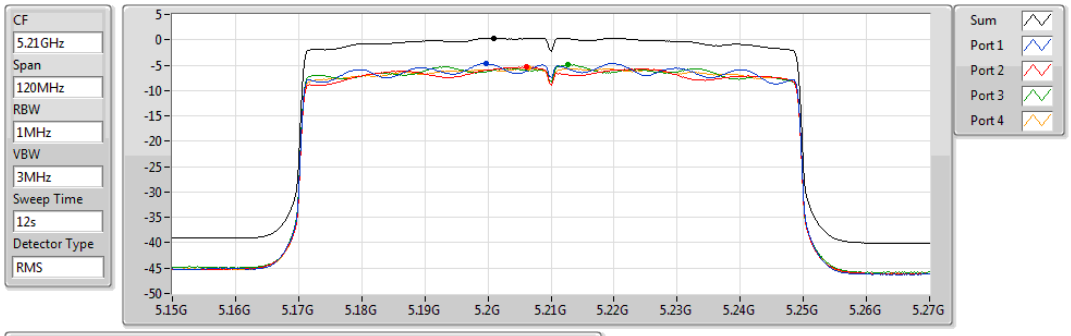
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.70	9.70	4.48	3.36	4.62	2.38

802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

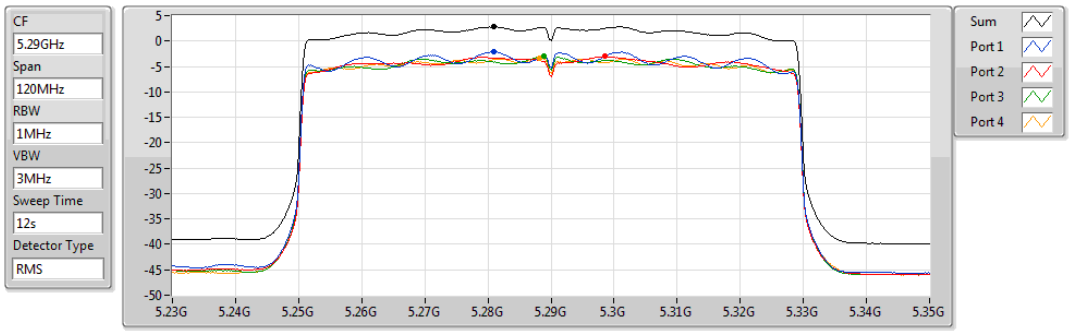
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.38	0.38	-4.64	-5.39	-4.91	-5.56

802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

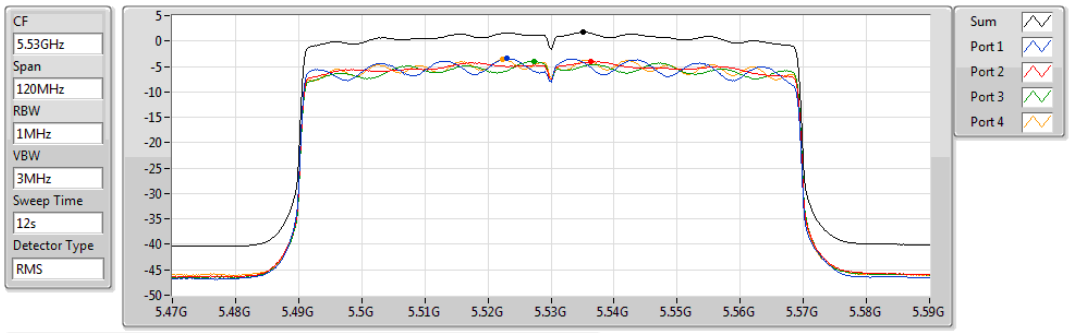
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.80	2.80	-2.11	-3.04	-3.03	-3.38

802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

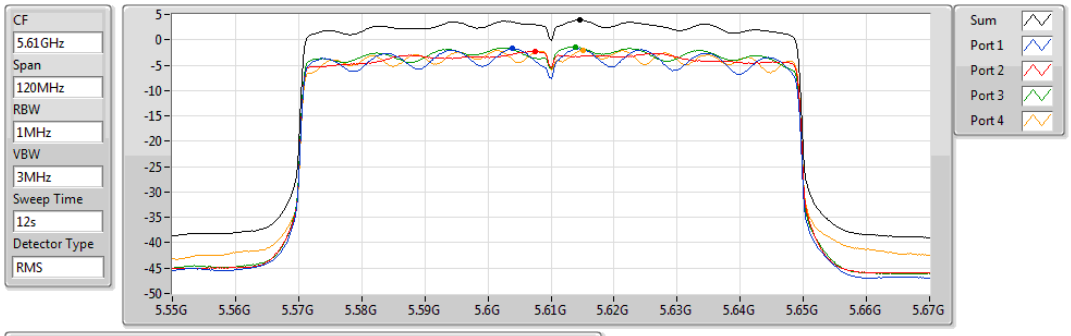
5530MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.77	1.77	-3.44	-4.08	-4.02	-3.62

802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

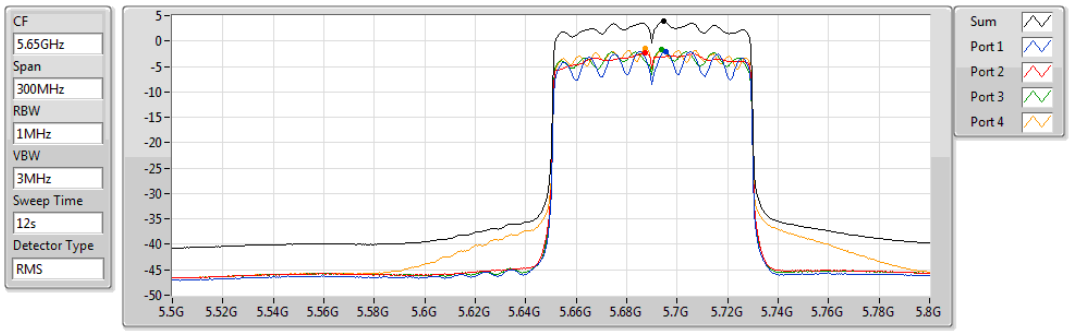
5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.88	3.88	-1.73	-2.30	-1.36	-2.04

802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

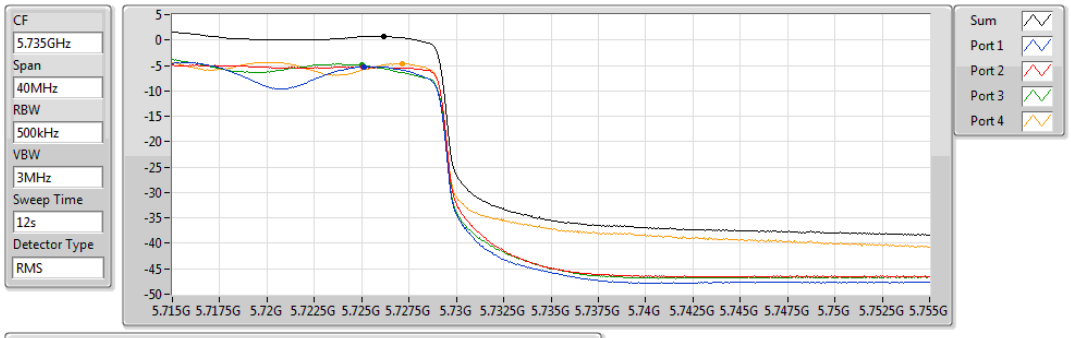
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.85	3.85	-2.03	-2.34	-1.68	-1.49

802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

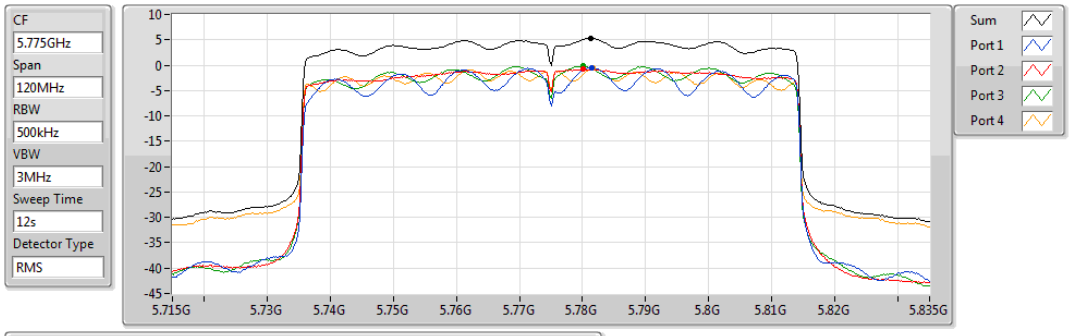
5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.75	0.75	-5.21	-5.30	-4.95	-4.67

802.11ax HEW80_Nss1,(MCS0)_4TX **PSD**

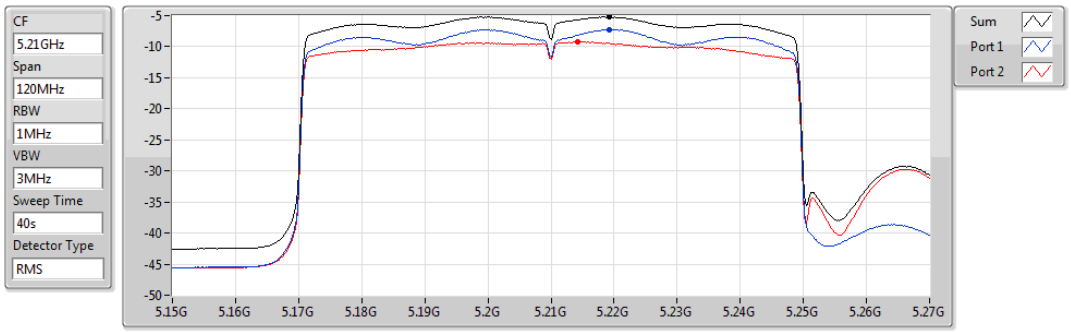
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.37	5.37	-0.44	-0.80	-0.18	-0.63

11ax80+80_Nss1,(MCS0)_2TX(Port1&Port2) **PSD**

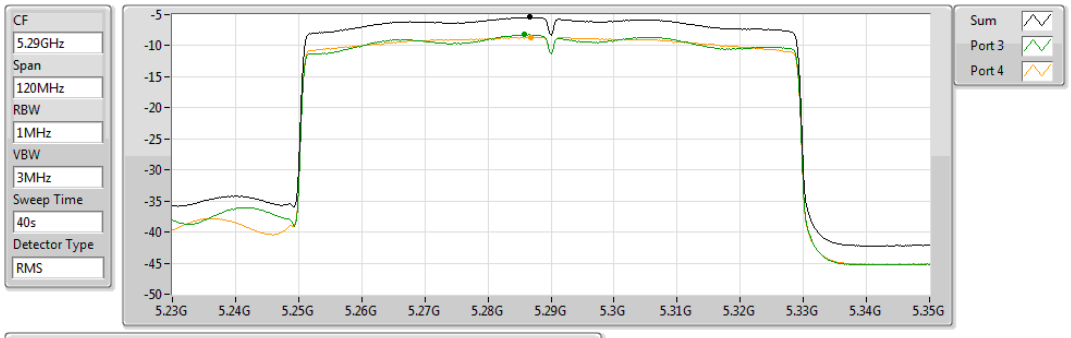
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.19	-5.19	-7.24	-9.21

11ax80+80_Nss1,(MCS0)_2TX(Port3&Port4) **PSD**

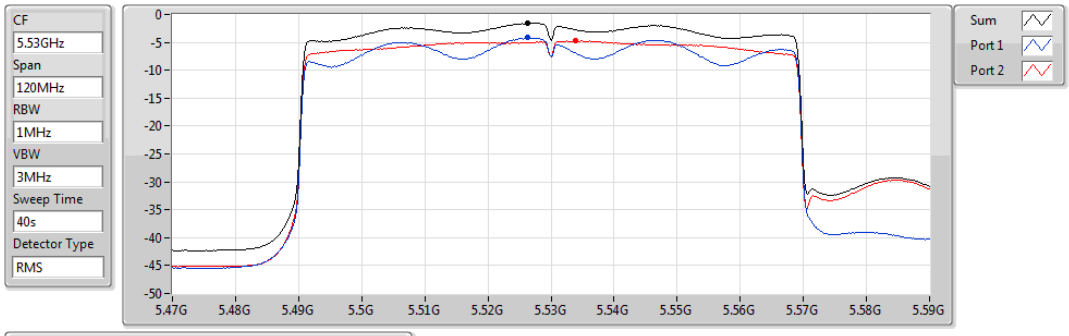
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.42	-5.42	-	-	-8.21	-8.61

11ax80+80_Nss1,(MCS0)_2TX(Port1&Port2) **PSD**

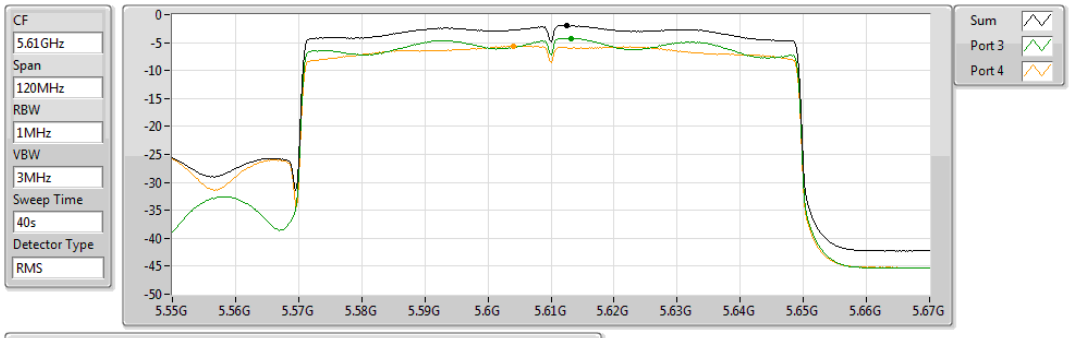
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.60	-1.60	-4.19	-4.77

11ax80+80_Nss1,(MCS0)_2TX(Port3&Port4) **PSD**

5610MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.97	-1.97	-	-	-4.20	-5.62

3.5 Transmitter Radiated and Band Edge Emissions

3.5.1 Limit of Transmitter Radiated and Band Edge Emissions

Restricted Band Emissions 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:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.850 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).	

3.5.2 Test Procedures

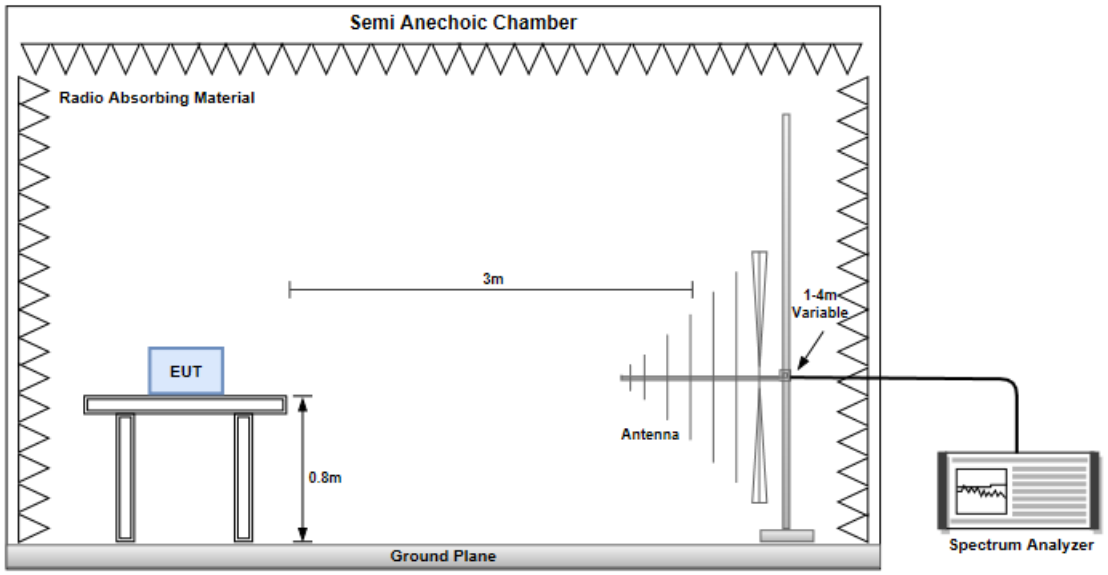
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

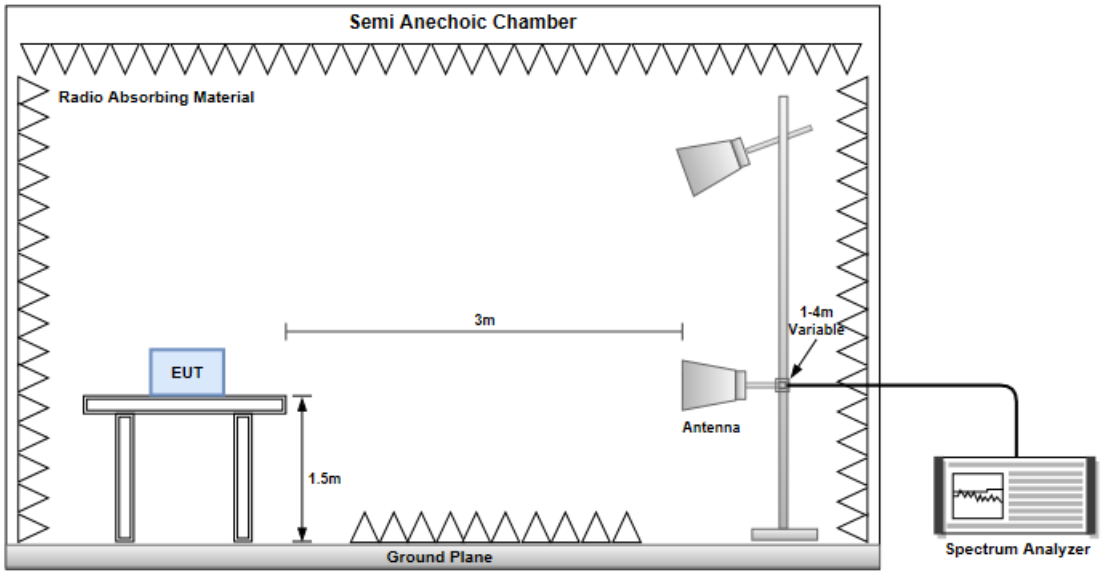
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.5.3 Test Setup

Radiated Emissions below 1 GHz

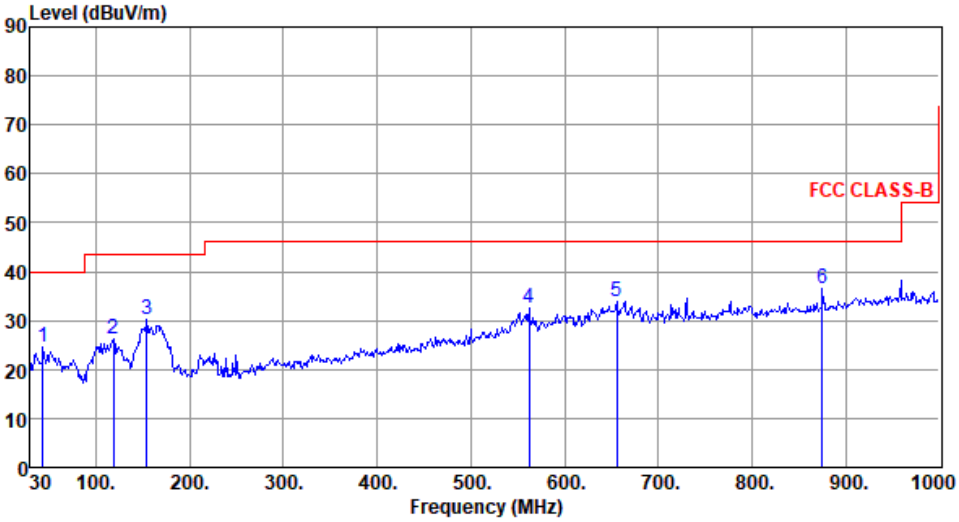


Radiated Emissions above 1 GHz



3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

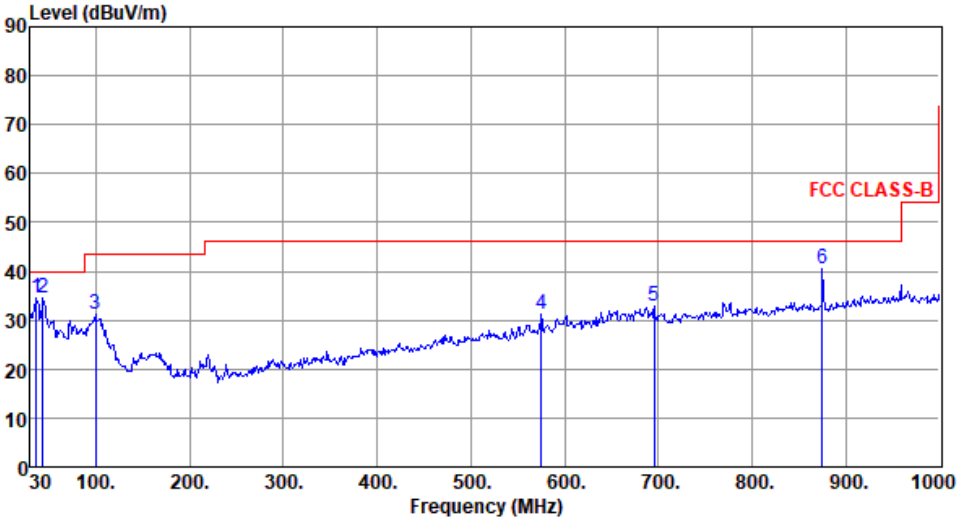
Modulation	ax (HE20)	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	43.58	24.61	40.00	-15.39	32.89	-8.28	Peak	---	---
2	118.27	26.13	43.50	-17.37	36.91	-10.78	Peak	---	---
3	154.16	30.21	43.50	-13.29	38.54	-8.33	Peak	---	---
4	562.53	32.66	46.00	-13.34	34.08	-1.42	Peak	---	---
5	655.65	33.84	46.00	-12.16	33.10	0.74	Peak	---	---
6	874.87	36.56	46.00	-9.44	32.00	4.56	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

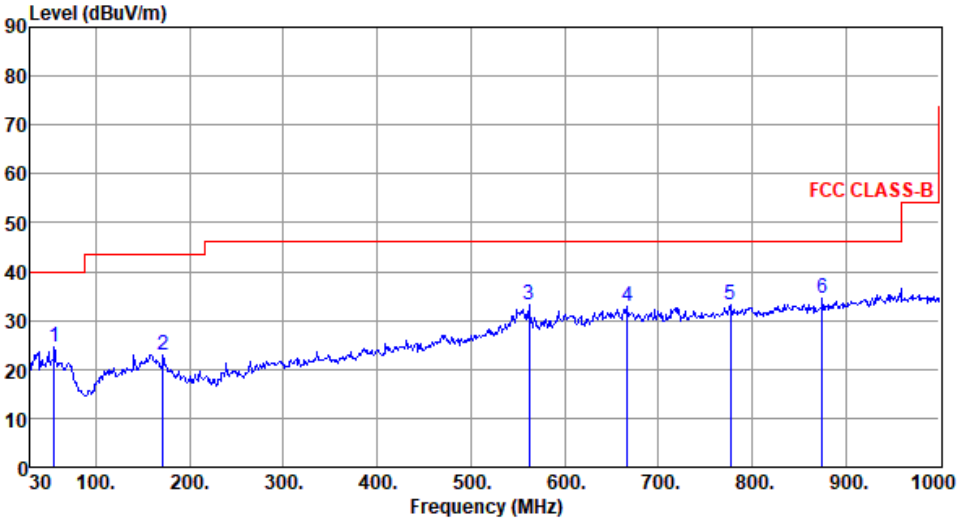
Modulation	ax (HE20)	**Test Freq. (MHz)**	5240
Polarization	Vertical	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	36.79	34.63	40.00	-5.37	43.77	-9.14	Peak	---	---
2	43.58	34.40	40.00	-5.60	42.68	-8.28	Peak	---	---
3	99.84	31.14	43.50	-12.36	44.23	-13.09	Peak	---	---
4	575.14	31.29	46.00	-14.71	32.26	-0.97	Peak	---	---
5	695.42	33.01	46.00	-12.99	31.82	1.19	Peak	---	---
6	874.87	40.60	46.00	-5.40	36.04	4.56	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

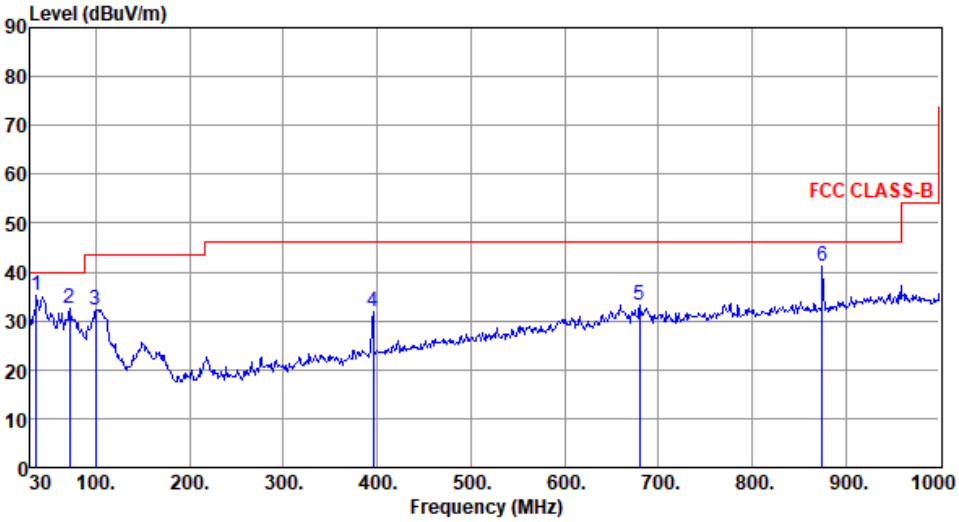
Modulation	11a	**Test Freq. (MHz)**	5785
Polarization	Horizontal	**Test Configuration**	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	55.22	24.50	40.00	-15.50	33.21	-8.71	Peak	---	---
2	171.62	22.95	43.50	-20.55	31.90	-8.95	Peak	---	---
3	562.53	33.07	46.00	-12.93	34.49	-1.42	Peak	---	---
4	667.29	32.90	46.00	-13.10	32.02	0.88	Peak	---	---
5	776.90	33.22	46.00	-12.78	30.01	3.21	Peak	---	---
6	874.87	34.65	46.00	-11.35	30.09	4.56	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

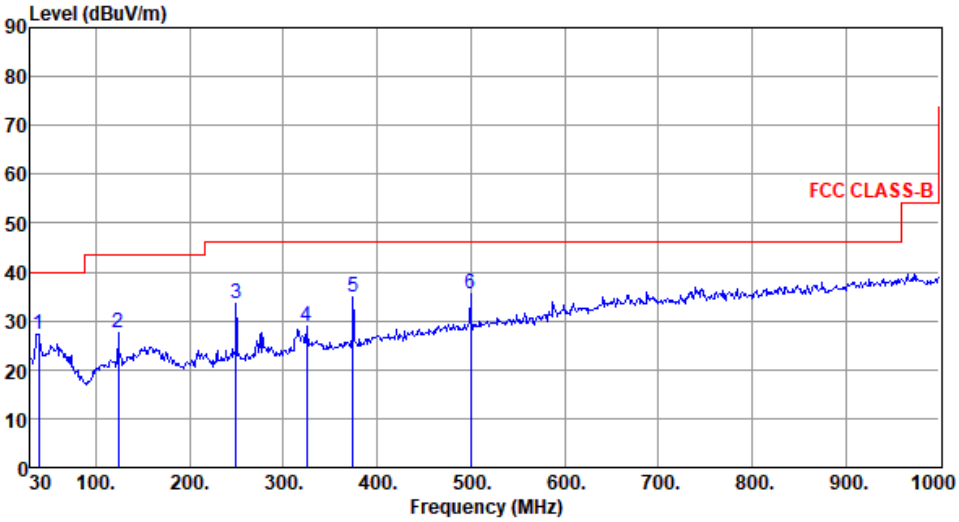
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	1



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	36.79	35.10	40.00	-4.90	44.24	-9.14	Peak	---	---
2	71.71	32.62	40.00	-7.38	43.47	-10.85	Peak	---	---
3	99.84	32.29	43.50	-11.21	45.38	-13.09	Peak	---	---
4	395.69	31.72	46.00	-14.28	36.98	-5.26	Peak	---	---
5	679.90	33.18	46.00	-12.82	32.06	1.12	Peak	---	---
6	874.87	41.28	46.00	-4.72	36.72	4.56	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

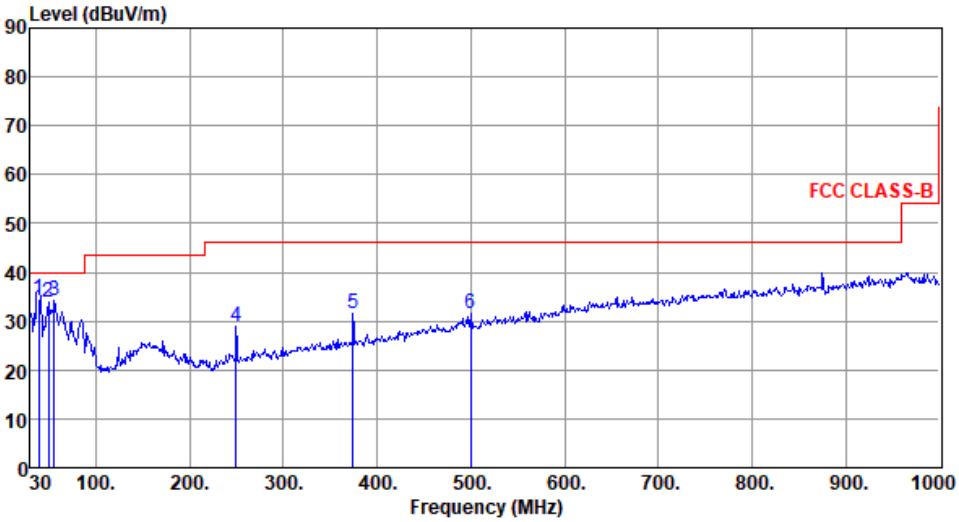
Modulation	ax (HE20)	**Test Freq. (MHz)**	5240
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	38.73	27.34	40.00	-12.66	36.17	-8.83	Peak	---	---
2	124.09	27.44	43.50	-16.06	37.73	-10.29	Peak	---	---
3	249.22	33.49	46.00	-12.51	43.24	-9.75	Peak	---	---
4	324.88	28.98	46.00	-17.02	35.97	-6.99	Peak	---	---
5	374.35	34.83	46.00	-11.17	40.58	-5.75	Peak	---	---
6	499.48	35.61	46.00	-10.39	38.25	-2.64	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

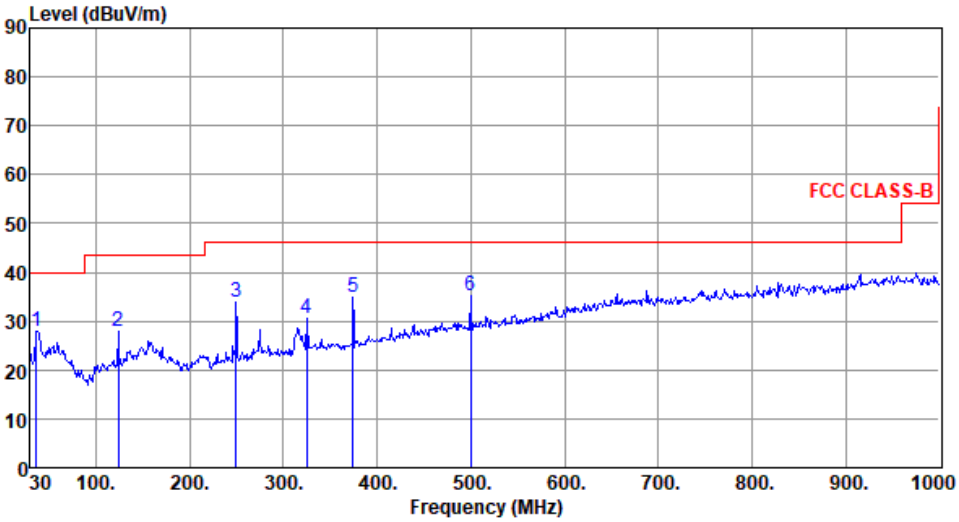
Modulation	ax (HE20)	**Test Freq. (MHz)**	5240
Polarization	Vertical	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	38.66	34.39	40.00	-5.61	43.22	-8.83	QP	100	345
2	49.40	33.74	40.00	-6.26	42.12	-8.38	Peak	---	---
3	55.22	34.10	40.00	-5.90	42.81	-8.71	Peak	---	---
4	249.22	28.97	46.00	-17.03	38.72	-9.75	Peak	---	---
5	374.35	31.70	46.00	-14.30	37.45	-5.75	Peak	---	---
6	499.48	31.57	46.00	-14.43	34.21	-2.64	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

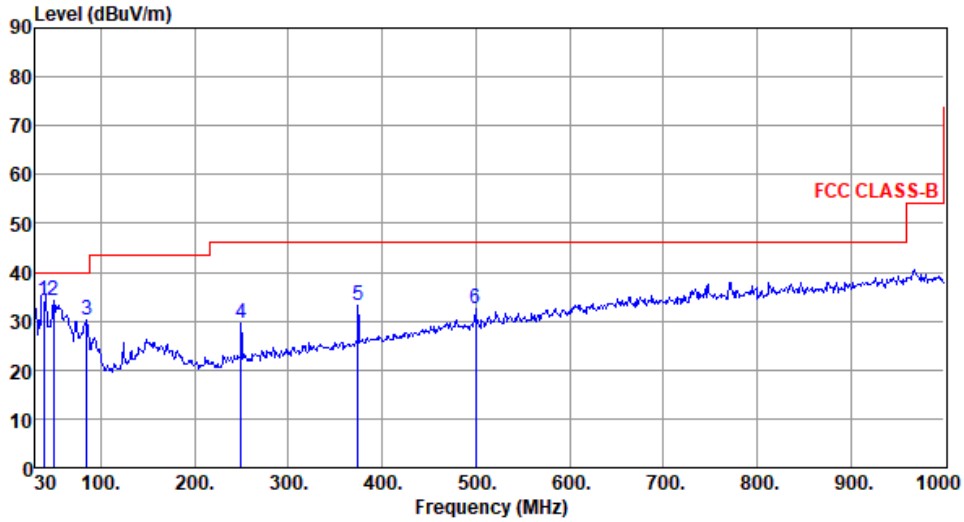
Modulation	11a	**Test Freq. (MHz)**	5785
Polarization	Horizontal	**Test Configuration**	2



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	36.79	27.94	40.00	-12.06	37.08	-9.14	Peak	---	---
2	124.09	27.84	43.50	-15.66	38.13	-10.29	Peak	---	---
3	249.22	33.82	46.00	-12.18	43.57	-9.75	Peak	---	---
4	324.88	30.48	46.00	-15.52	37.47	-6.99	Peak	---	---
5	374.35	34.91	46.00	-11.09	40.66	-5.75	Peak	---	---
6	499.48	35.34	46.00	-10.66	37.98	-2.64	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	11a	**Test Freq. (MHz)**	5785
Polarization	Vertical	**Test Configuration**	2

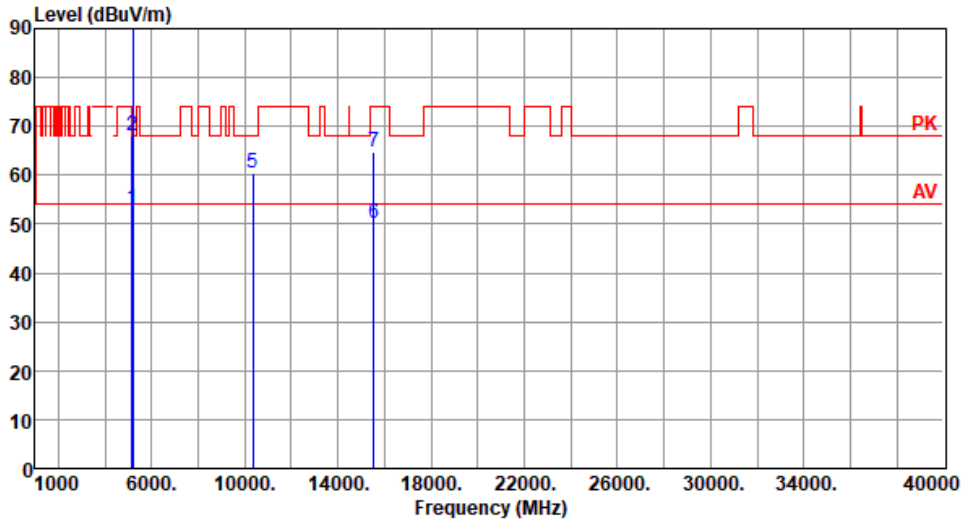


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	39.26	34.31	40.00	-5.69	43.11	-8.80	QP	100	348
2	49.40	34.05	40.00	-5.95	42.43	-8.38	Peak	---	---
3	85.29	30.34	40.00	-9.66	44.43	-14.09	Peak	---	---
4	249.22	29.40	46.00	-16.60	39.15	-9.75	Peak	---	---
5	374.35	33.32	46.00	-12.68	39.07	-5.75	Peak	---	---
6	499.48	32.38	46.00	-13.62	35.02	-2.64	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

3.5.1 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

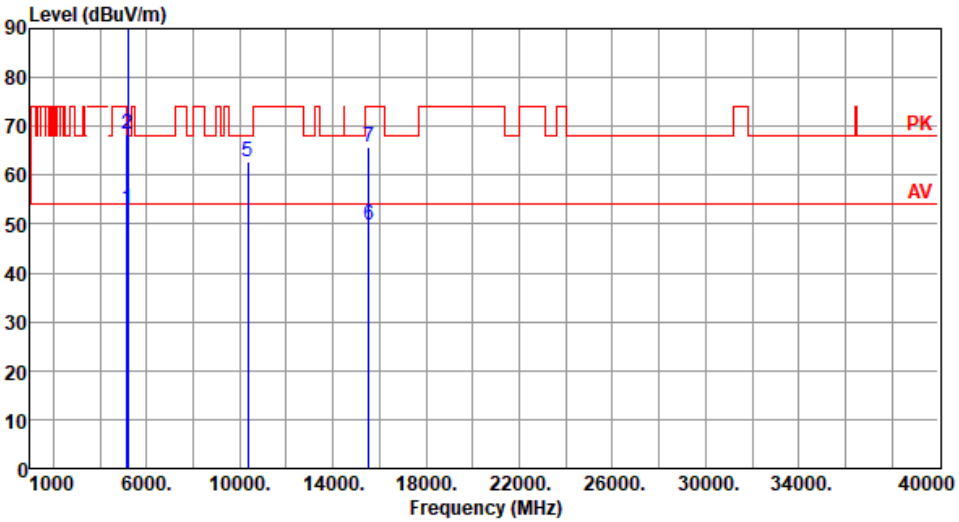
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	53.03	54.00	-0.97	45.71	7.32	Average	192	18
2		5150.00	68.14	74.00	-5.86	60.82	7.32	Peak	192	18
3	*	5180.00	113.29			106.15	7.14	Average	192	18
4	*	5180.00	122.83			115.69	7.14	Peak	192	18
5		10360.00	60.48	68.20	-7.72	44.39	16.09	Peak	125	221
6		15540.00	50.22	54.00	-3.78	32.85	17.37	Average	110	236
7		15540.00	64.81	74.00	-9.19	47.44	17.37	Peak	110	236

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

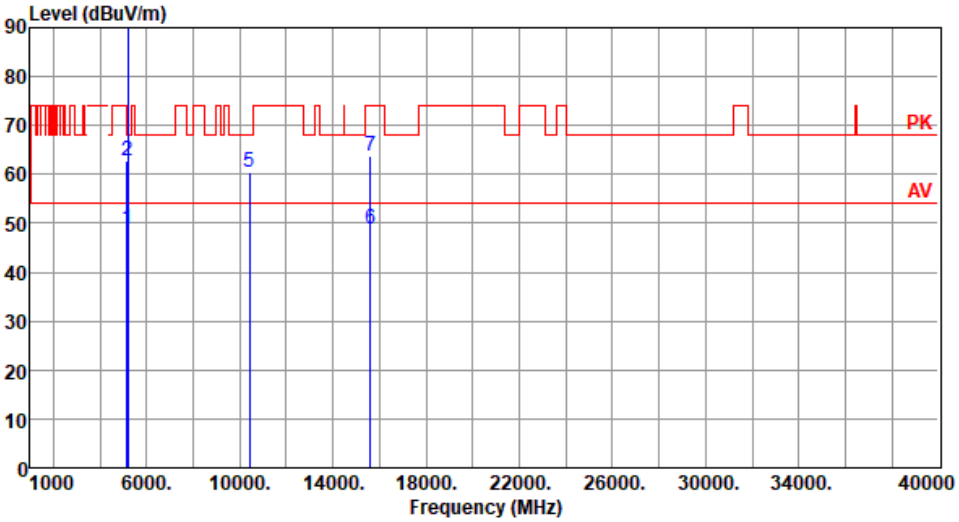
Modulation	11a	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	53.24	54.00	-0.76	45.92	7.32	Average	230	348
2		5150.00	68.57	74.00	-5.43	61.25	7.32	Peak	230	348
3	*	5180.00	112.92			105.78	7.14	Average	230	348
4	*	5180.00	122.66			115.52	7.14	Peak	230	348
5		10360.00	62.85	68.20	-5.35	46.76	16.09	Peak	100	346
6		15540.00	49.85	54.00	-4.15	32.48	17.37	Average	100	19
7		15540.00	65.64	74.00	-8.36	48.27	17.37	Peak	100	19

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

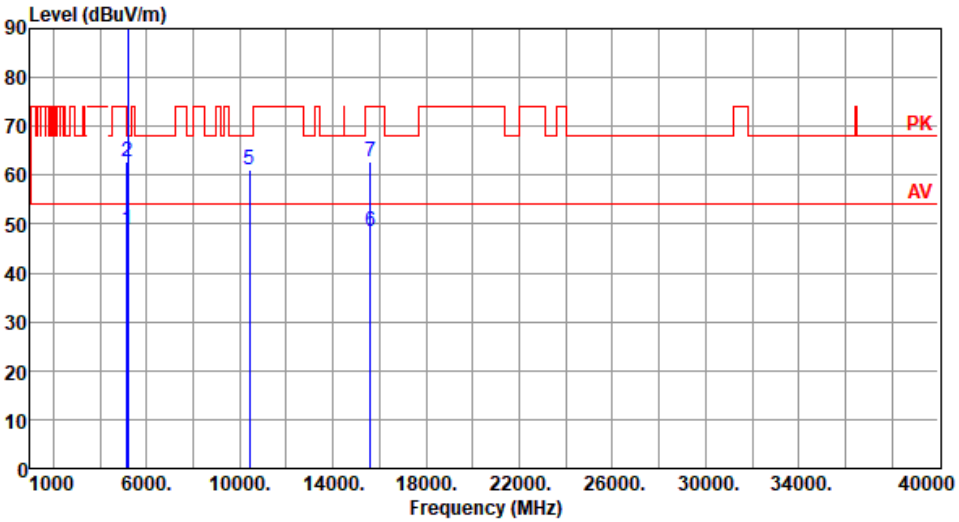
Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	48.81	54.00	-5.19	41.49	7.32	Average	197	21
2		5150.00	62.77	74.00	-11.23	55.45	7.32	Peak	197	21
3	*	5200.00	113.66			106.63	7.03	Average	197	21
4	*	5200.00	123.13			116.10	7.03	Peak	197	21
5		10400.00	60.57	68.20	-7.63	44.29	16.28	Peak	118	222
6		15600.00	48.83	54.00	-5.17	31.56	17.27	Average	100	220
7		15600.00	63.72	74.00	-10.28	46.45	17.27	Peak	100	220

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

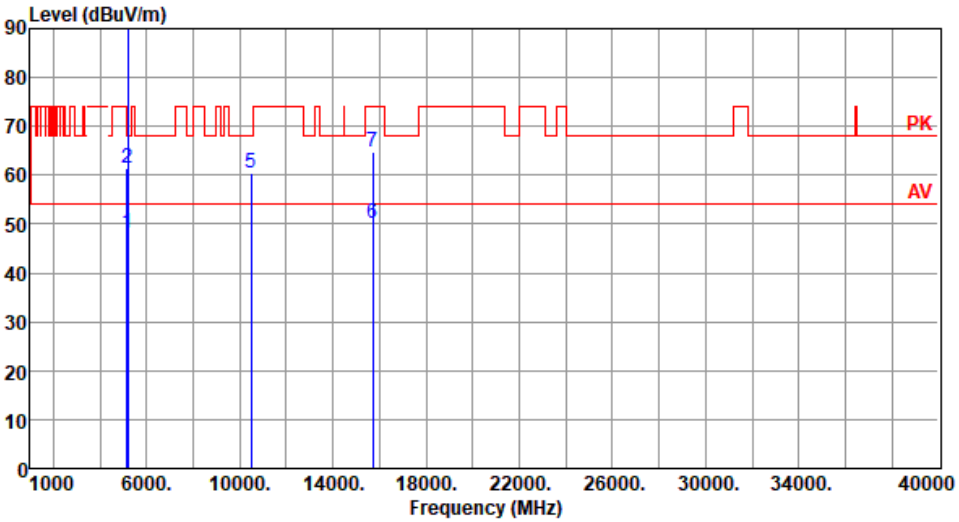
Modulation	11a	**Test Freq. (MHz)**	5200
Polarization	Vertical	**Test Configuration**	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	48.75	54.00	-5.25	41.43	7.32	Average	231	349
2		5150.00	62.71	74.00	-11.29	55.39	7.32	Peak	231	349
3	*	5200.00	113.54			106.51	7.03	Average	231	349
4	*	5200.00	123.08			116.05	7.03	Peak	231	349
5		10400.00	61.03	68.20	-7.17	44.75	16.28	Peak	100	346
6		15600.00	48.54	54.00	-5.46	31.27	17.27	Average	100	30
7		15600.00	62.80	74.00	-11.20	45.53	17.27	Peak	100	30

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

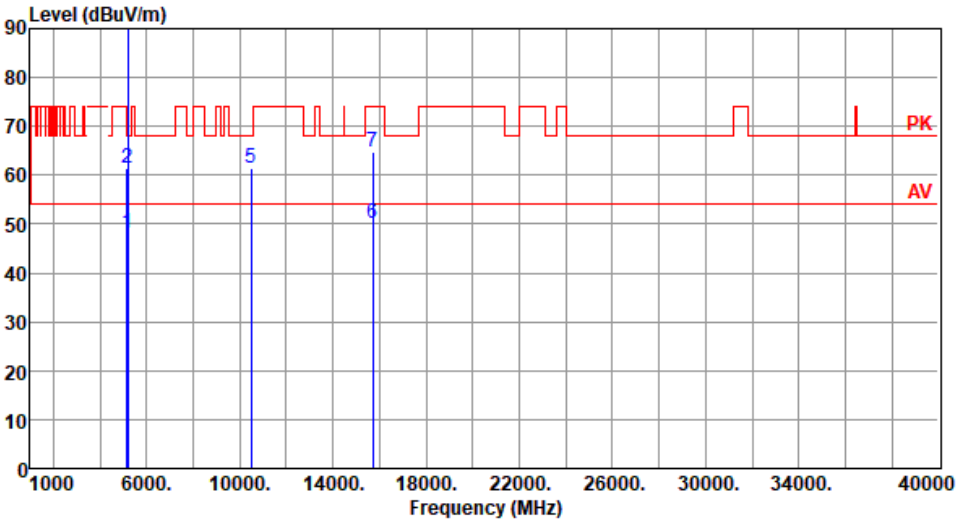
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	48.29	54.00	-5.71	40.97	7.32	Average	194	12
2		5150.00	61.52	74.00	-12.48	54.20	7.32	Peak	194	12
3	*	5240.00	114.16			107.26	6.90	Average	194	12
4	*	5240.00	124.00			117.10	6.90	Peak	194	12
5		10480.00	60.35	68.20	-7.85	43.94	16.41	Peak	121	226
6		15720.00	50.13	54.00	-3.87	33.53	16.60	Average	114	239
7		15720.00	64.69	74.00	-9.31	48.09	16.60	Peak	114	239

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

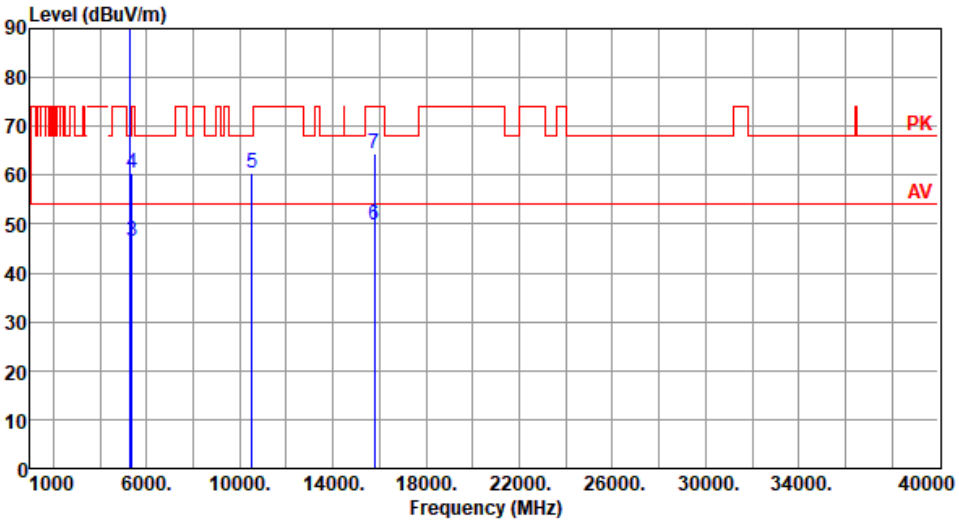
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	48.22	54.00	-5.78	40.90	7.32	Average	225	341
2		5150.00	61.45	74.00	-12.55	54.13	7.32	Peak	225	341
3	*	5240.00	113.95			107.05	6.90	Average	225	341
4	*	5240.00	123.86			116.96	6.90	Peak	225	341
5		10480.00	61.46	68.20	-6.74	45.05	16.41	Peak	100	344
6		15720.00	50.26	54.00	-3.74	33.66	16.60	Average	100	35
7		15720.00	64.81	74.00	-9.19	48.21	16.60	Peak	100	35

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

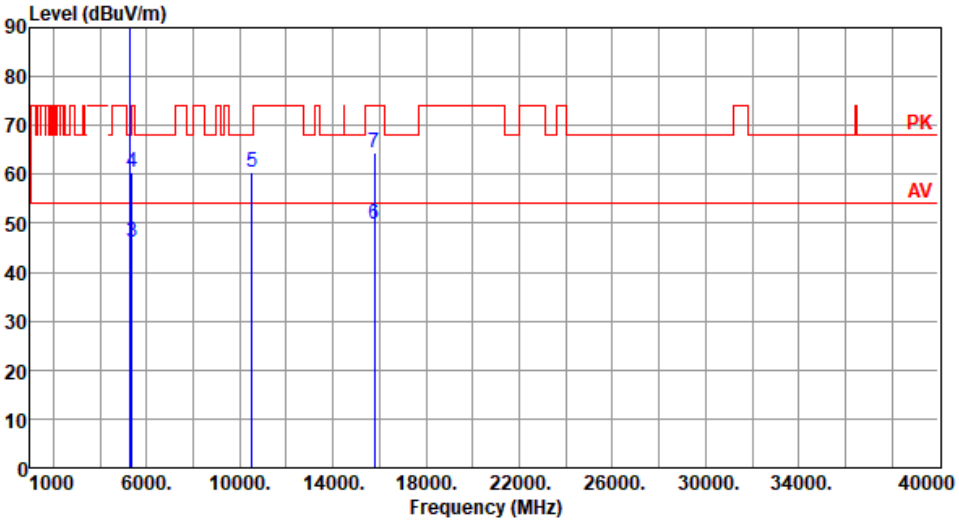
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5260.00	106.80			99.92	6.88	Average	192	12
2	*	5260.00	117.42			110.54	6.88	Peak	192	12
3		5350.00	46.50	54.00	-7.50	39.65	6.85	Average	192	12
4		5350.00	60.46	74.00	-13.54	53.61	6.85	Peak	192	12
5		10520.00	60.48	68.20	-7.72	44.06	16.42	Peak	125	236
6		15780.00	49.86	54.00	-4.14	33.30	16.56	Average	114	211
7		15780.00	64.52	74.00	-9.48	47.96	16.56	Peak	114	211

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

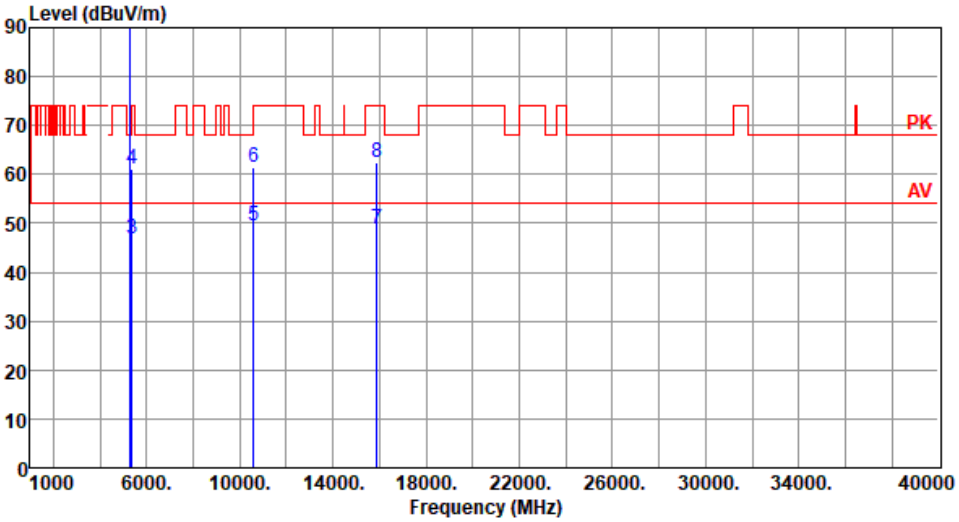
Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5260.00	106.52			99.64	6.88	Average	225	351
2	*	5260.00	117.14			110.26	6.88	Peak	225	351
3		5350.00	46.28	54.00	-7.72	39.43	6.85	Average	225	351
4		5350.00	60.35	74.00	-13.65	53.50	6.85	Peak	225	351
5		10520.00	60.32	68.20	-7.88	43.90	16.42	Peak	100	311
6		15780.00	49.74	54.00	-4.26	33.18	16.56	Average	100	25
7		15780.00	64.38	74.00	-9.62	47.82	16.56	Peak	100	25

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

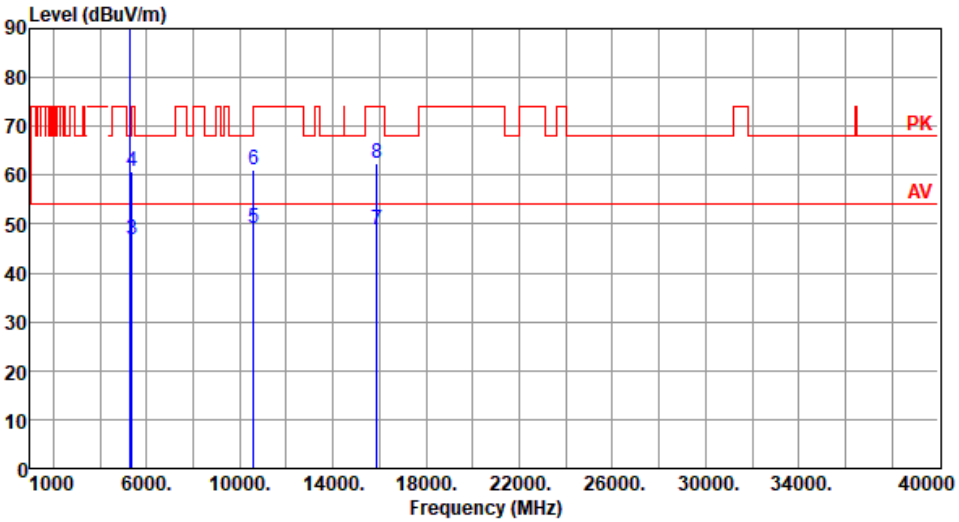
Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5300.00	106.97			100.06	6.91	Average	176	13
2	*	5300.00	117.40			110.49	6.91	Peak	176	13
3		5350.00	46.96	54.00	-7.04	40.11	6.85	Average	176	13
4		5350.00	60.96	74.00	-13.04	54.11	6.85	Peak	176	13
5		10600.00	49.38	54.00	-4.62	33.02	16.36	Average	138	226
6		10600.00	61.42	74.00	-12.58	45.06	16.36	Peak	138	226
7		15900.00	48.70	54.00	-5.30	32.01	16.69	Average	100	224
8		15900.00	62.38	74.00	-11.62	45.69	16.69	Peak	100	224

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

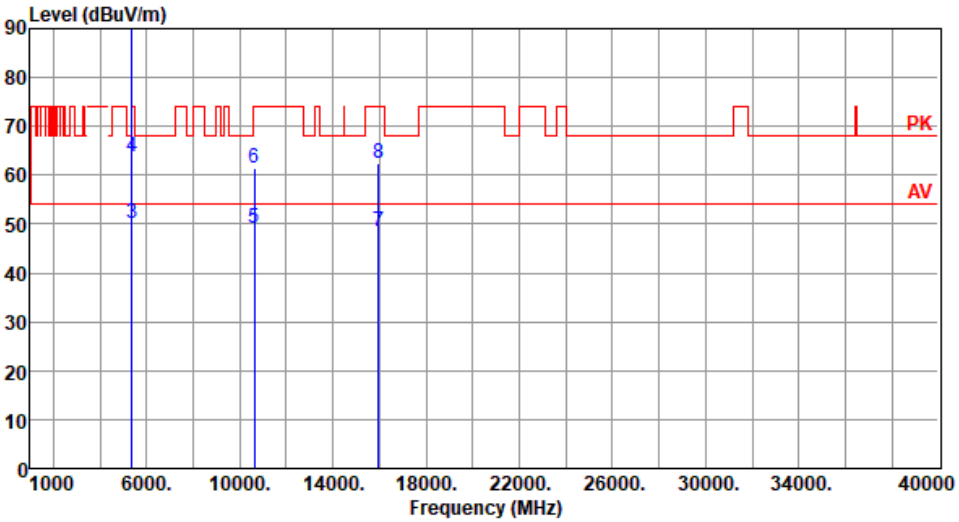
Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5300.00	106.45			99.54	6.91	Average	208	325
2	*	5300.00	116.92			110.01	6.91	Peak	208	325
3		5350.00	46.82	54.00	-7.18	39.97	6.85	Average	208	325
4		5350.00	60.85	74.00	-13.15	54.00	6.85	Peak	208	325
5		10600.00	49.17	54.00	-4.83	32.81	16.36	Average	100	345
6		10600.00	61.21	74.00	-12.79	44.85	16.36	Peak	100	345
7		15900.00	48.69	54.00	-5.31	32.00	16.69	Average	100	49
8		15900.00	62.34	74.00	-11.66	45.65	16.69	Peak	100	49

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

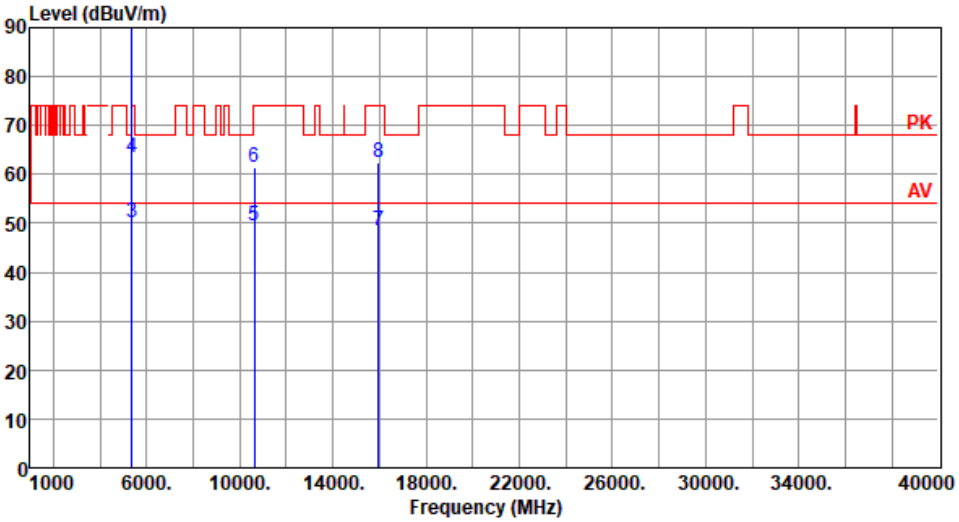
Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5320.00	106.18			99.29	6.89	Average	183	348
2	*	5320.00	115.93			109.04	6.89	Peak	183	348
3		5350.00	50.31	54.00	-3.69	43.46	6.85	Average	183	348
4		5350.00	63.68	74.00	-10.32	56.83	6.85	Peak	183	348
5		10640.00	49.28	54.00	-4.72	32.91	16.37	Average	122	236
6		10640.00	61.35	74.00	-12.65	44.98	16.37	Peak	122	236
7		15960.00	48.61	54.00	-5.39	32.08	16.53	Average	110	221
8		15960.00	62.35	74.00	-11.65	45.82	16.53	Peak	110	221

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

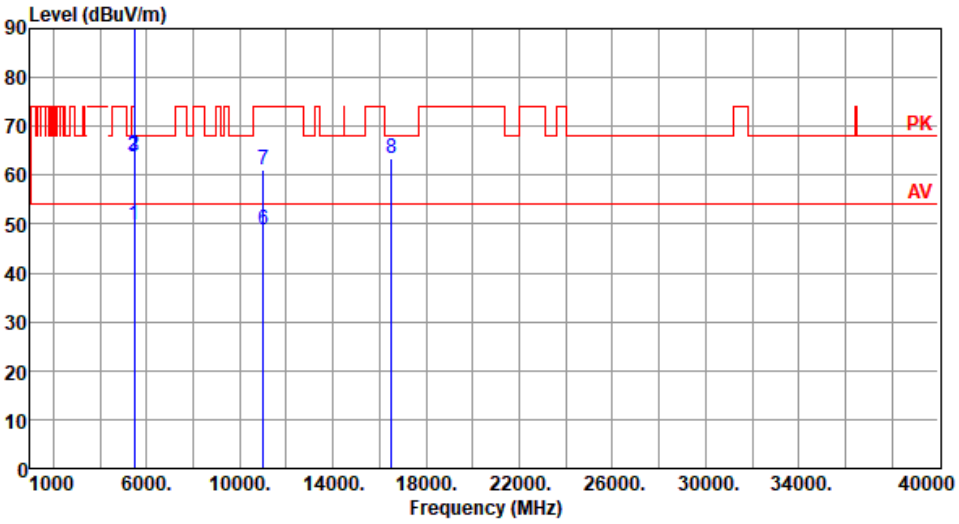
Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5320.00	105.69			98.80	6.89	Average	126	324
2	*	5320.00	115.42			108.53	6.89	Peak	126	324
3		5350.00	50.26	54.00	-3.74	43.41	6.85	Average	126	324
4		5350.00	63.52	74.00	-10.48	56.67	6.85	Peak	126	324
5		10640.00	49.33	54.00	-4.67	32.96	16.37	Average	109	346
6		10640.00	61.42	74.00	-12.58	45.05	16.37	Peak	109	346
7		15960.00	48.65	54.00	-5.35	32.12	16.53	Average	104	25
8		15960.00	62.39	74.00	-11.61	45.86	16.53	Peak	104	25

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

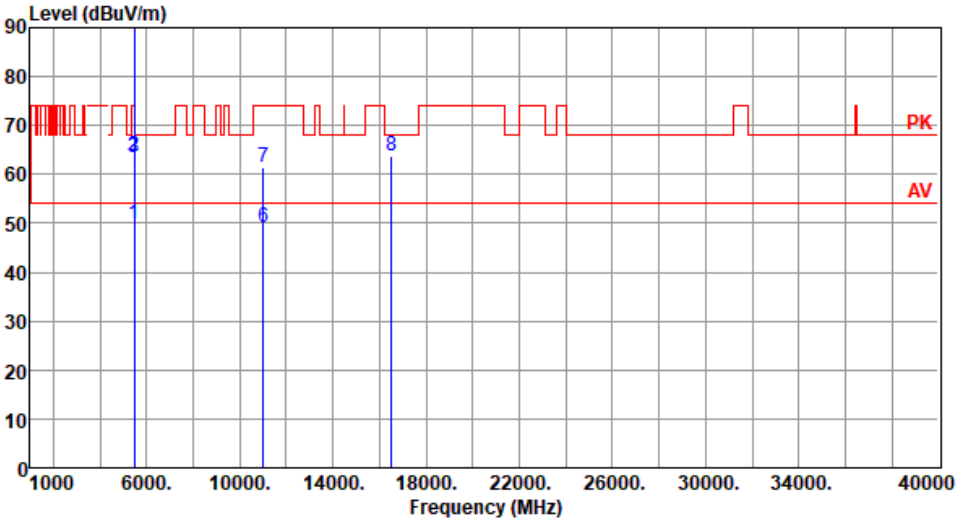
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	49.89	54.00	-4.11	42.64	7.25	Average	187	346
2		5460.00	64.04	74.00	-9.96	56.79	7.25	Peak	187	346
3		5470.00	63.72	68.20	-4.48	56.44	7.28	Peak	187	346
4	*	5500.00	107.38			100.02	7.36	Average	187	346
5	*	5500.00	118.05			110.69	7.36	Peak	187	346
6		11000.00	48.84	54.00	-5.16	32.00	16.84	Average	116	239
7		11000.00	61.05	74.00	-12.95	44.21	16.84	Peak	116	239
8		16500.00	63.58	68.20	-4.62	45.94	17.64	Peak	100	235

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

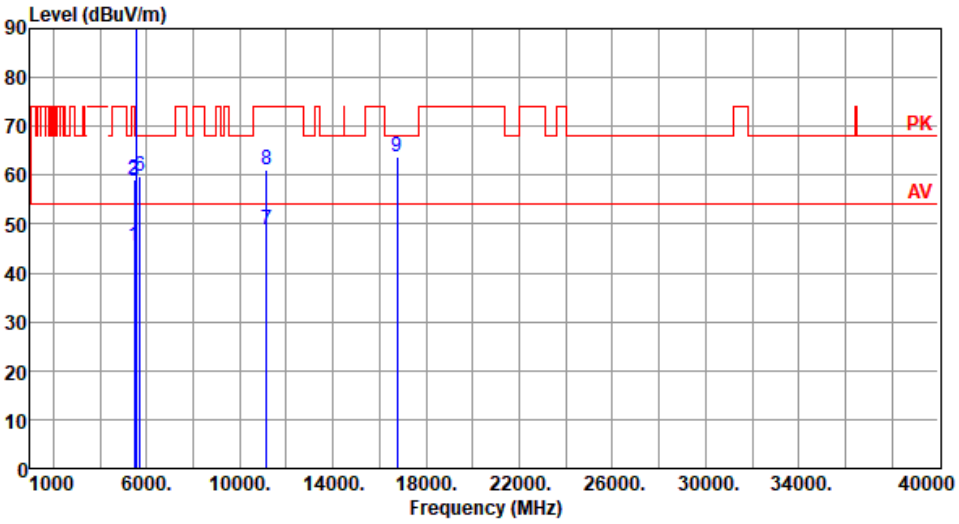
Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	49.74	54.00	-4.26	42.49	7.25	Average	128	316
2		5460.00	63.82	74.00	-10.18	56.57	7.25	Peak	128	316
3		5470.00	63.39	68.20	-4.81	56.11	7.28	Peak	128	316
4	*	5500.00	106.51			99.15	7.36	Average	128	316
5	*	5500.00	116.48			109.12	7.36	Peak	128	316
6		11000.00	49.15	54.00	-4.85	32.31	16.84	Average	100	342
7		11000.00	61.28	74.00	-12.72	44.44	16.84	Peak	100	342
8		16500.00	63.69	68.20	-4.51	46.05	17.64	Peak	100	18

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

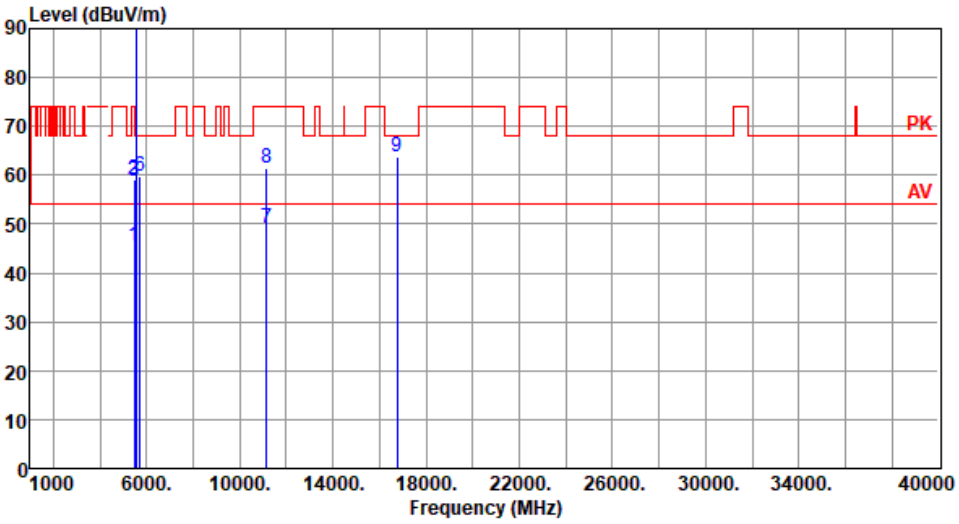
Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	45.54	54.00	-8.46	38.29	7.25	Average	186	9
2		5460.00	59.26	74.00	-14.74	52.01	7.25	Peak	186	9
3		5470.00	58.84	68.20	-9.36	51.56	7.28	Peak	186	9
4	*	5580.00	107.26			99.78	7.48	Average	186	9
5	*	5580.00	117.50			110.02	7.48	Peak	186	9
6		5725.00	59.91	68.20	-8.29	52.25	7.66	Peak	186	9
7		11160.00	48.92	54.00	-5.08	32.33	16.59	Average	125	231
8		11160.00	61.13	74.00	-12.87	44.54	16.59	Peak	125	231
9		16740.00	63.62	68.20	-4.58	45.39	18.23	Peak	100	229

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

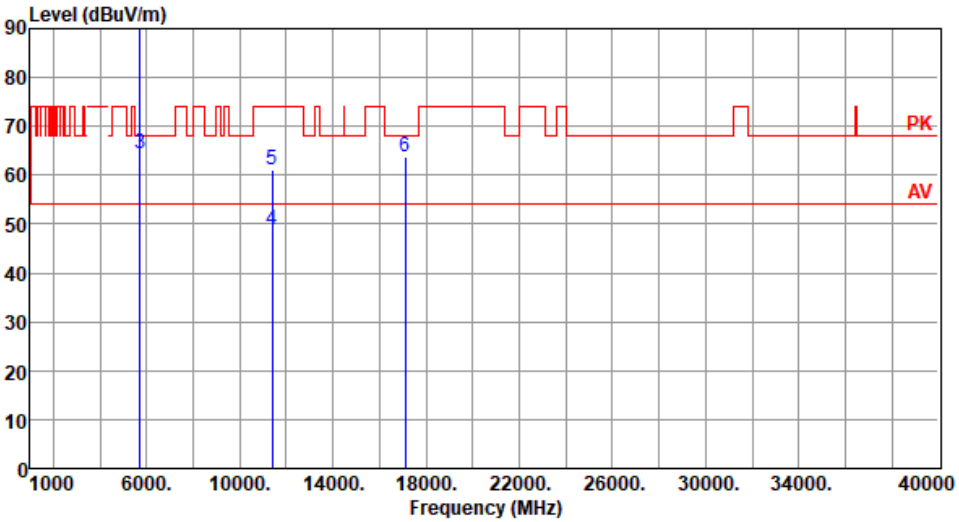
Modulation	11a	Test Freq. (MHz)	5580
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	45.46	54.00	-8.54	38.21	7.25	Average	125	321
2		5460.00	59.14	74.00	-14.86	51.89	7.25	Peak	125	321
3		5470.00	58.65	68.20	-9.55	51.37	7.28	Peak	125	321
4	*	5580.00	106.65			99.17	7.48	Average	125	321
5	*	5580.00	116.92			109.44	7.48	Peak	125	321
6		5725.00	59.88	68.20	-8.32	52.22	7.66	Peak	125	321
7		11160.00	49.23	54.00	-4.77	32.64	16.59	Average	100	338
8		11160.00	61.39	74.00	-12.61	44.80	16.59	Peak	100	338
9		16740.00	63.84	68.20	-4.36	45.61	18.23	Peak	100	2

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

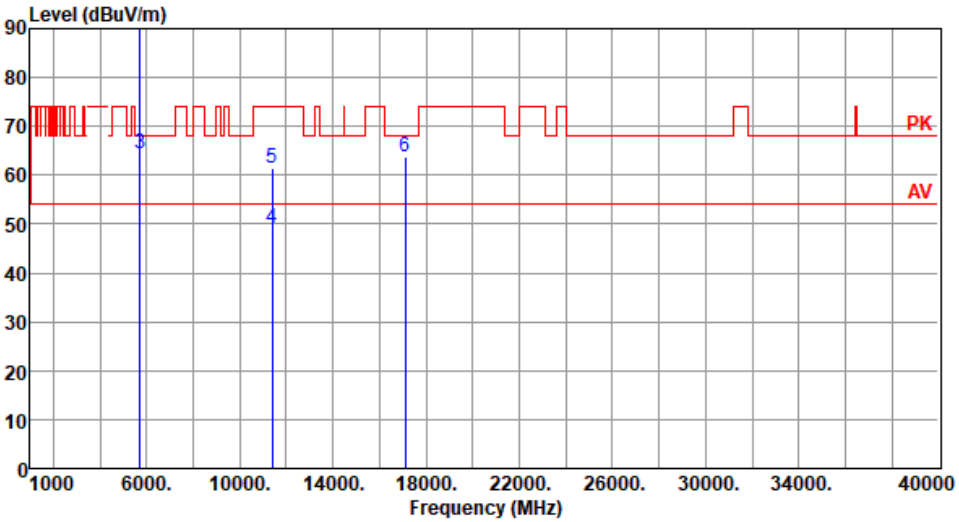
Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5700.00	108.08			100.58	7.50	Average	175	8
2	*	5700.00	118.06			110.56	7.50	Peak	175	8
3		5725.00	64.46	68.20	-3.74	56.80	7.66	Peak	175	8
4		11400.00	48.96	54.00	-5.04	32.23	16.73	Average	119	236
5		11400.00	61.25	74.00	-12.75	44.52	16.73	Peak	119	236
6		17100.00	63.68	68.20	-4.52	45.44	18.24	Peak	100	205

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

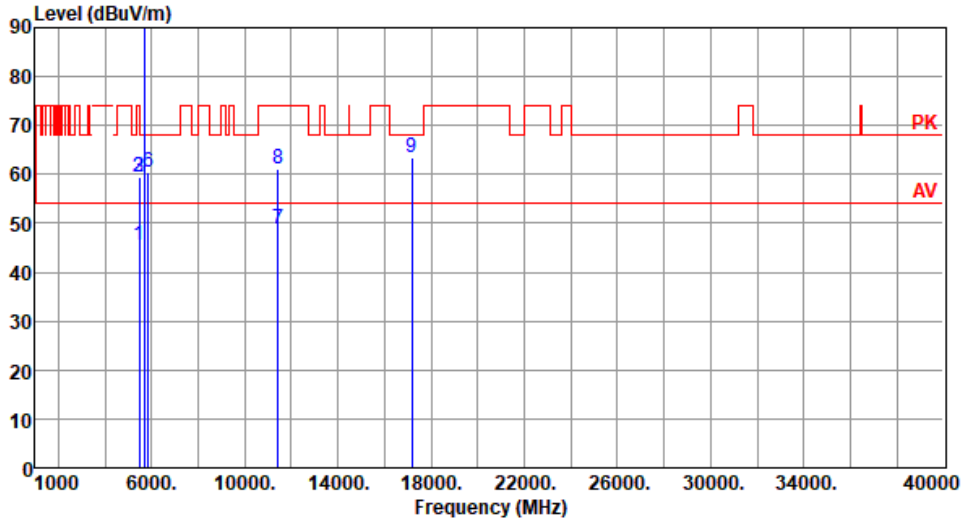
Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5700.00	107.08			99.58	7.50	Average	125	313
2	*	5700.00	117.15			109.65	7.50	Peak	125	313
3		5725.00	64.33	68.20	-3.87	56.67	7.66	Peak	125	313
4		11400.00	49.31	54.00	-4.69	32.58	16.73	Average	100	356
5		11400.00	61.45	74.00	-12.55	44.72	16.73	Peak	100	356
6		17100.00	63.82	68.20	-4.38	45.58	18.24	Peak	100	9

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

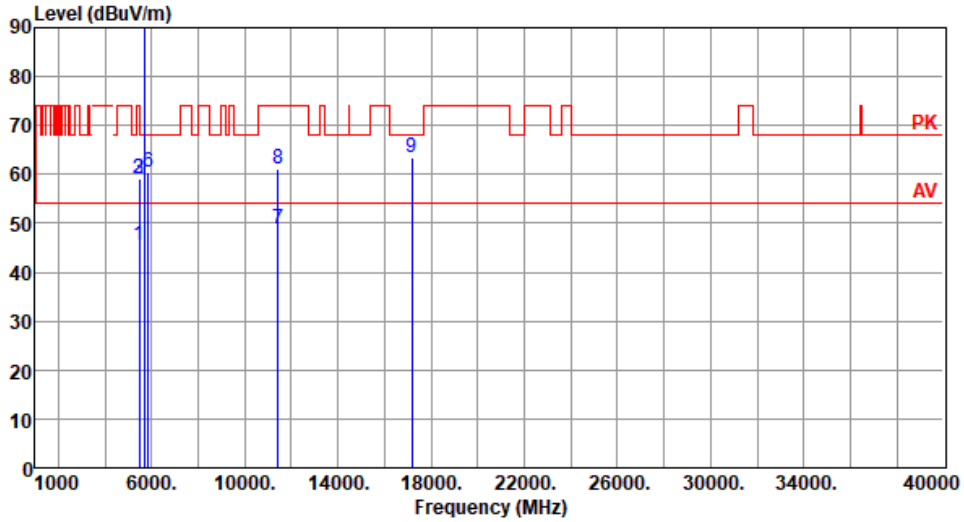
Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	45.49	54.00	-8.51	38.24	7.25	Average	182	2
2		5460.00	59.39	74.00	-14.61	52.14	7.25	Peak	182	2
3		5470.00	59.37	68.20	-8.83	52.09	7.28	Peak	182	2
4	*	5720.00	107.13			99.51	7.62	Average	182	2
5	*	5720.00	117.05			109.43	7.62	Peak	182	2
6		5850.00	60.49	68.20	-7.71	52.47	8.02	Peak	182	2
7		11440.00	48.92	54.00	-5.08	32.18	16.74	Average	113	220
8		11440.00	61.14	74.00	-12.86	44.40	16.74	Peak	113	220
9		17160.00	63.59	68.20	-4.61	45.21	18.38	Peak	100	245

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

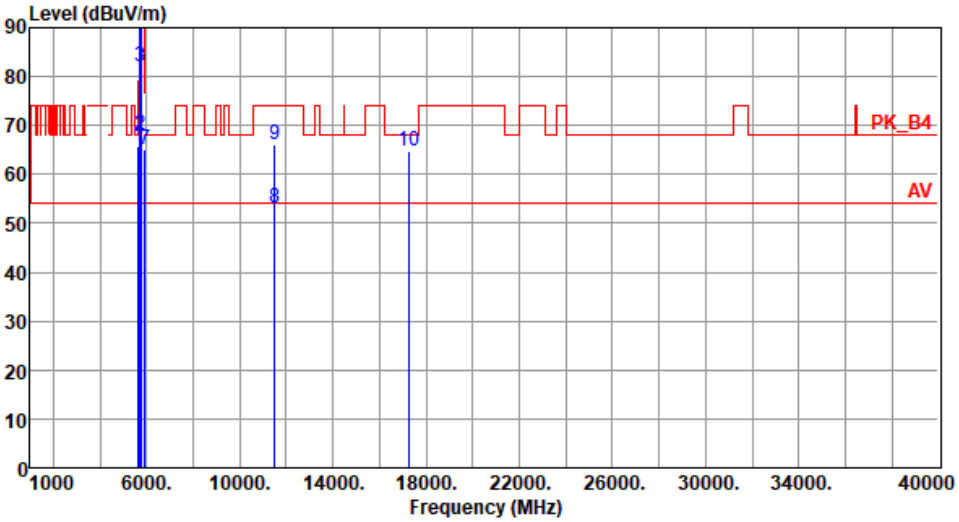
Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	45.42	54.00	-8.58	38.17	7.25	Average	128	323
2		5460.00	59.28	74.00	-14.72	52.03	7.25	Peak	128	323
3		5470.00	59.21	68.20	-8.99	51.93	7.28	Peak	128	323
4	*	5720.00	106.24			98.62	7.62	Average	128	323
5	*	5720.00	116.35			108.73	7.62	Peak	128	323
6		5850.00	60.35	68.20	-7.85	52.33	8.02	Peak	128	323
7		11440.00	48.85	54.00	-5.15	32.11	16.74	Average	100	306
8		11440.00	61.06	74.00	-12.94	44.32	16.74	Peak	100	306
9		17160.00	63.42	68.20	-4.78	45.04	18.38	Peak	100	19

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

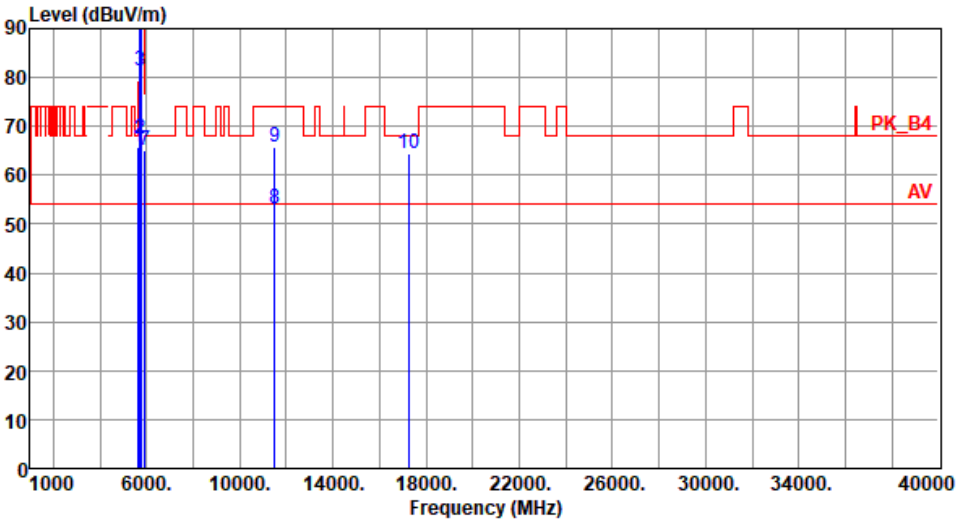
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	65.77	68.20	-2.43	58.38	7.39	Peak	182	352
2		5700.00	68.03	105.20	-37.17	60.53	7.50	Peak	182	352
3		5720.00	82.14	110.80	-28.66	74.52	7.62	Peak	182	352
4		5725.00	94.47	122.20	-27.73	86.81	7.66	Peak	182	352
5	*	5745.00	117.58			109.80	7.78	Average	182	352
6	*	5745.00	127.38			119.60	7.78	Peak	182	352
7		5925.00	65.12	68.20	-3.08	57.05	8.07	Peak	182	352
8		11490.00	53.28	54.00	-0.72	36.52	16.76	Average	102	301
9		11490.00	66.05	74.00	-7.95	49.29	16.76	Peak	102	301
10		17235.00	64.69	68.20	-3.51	46.05	18.64	Peak	168	223

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

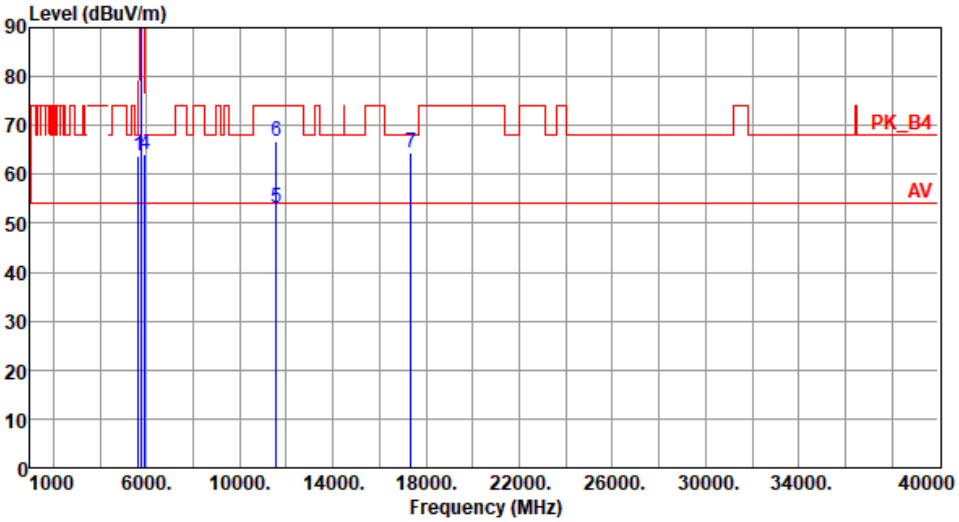
Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	65.62	68.20	-2.58	58.23	7.39	Peak	125	334
2		5700.00	67.54	105.20	-37.66	60.04	7.50	Peak	125	334
3		5720.00	81.46	110.80	-29.34	73.84	7.62	Peak	125	334
4		5725.00	93.25	122.20	-28.95	85.59	7.66	Peak	125	334
5	*	5745.00	116.65			108.87	7.78	Average	125	334
6	*	5745.00	126.46			118.68	7.78	Peak	125	334
7		5925.00	65.04	68.20	-3.16	56.97	8.07	Peak	125	334
8		11490.00	53.18	54.00	-0.82	36.42	16.76	Average	100	351
9		11490.00	65.82	74.00	-8.18	49.06	16.76	Peak	100	351
10		17235.00	64.53	68.20	-3.67	45.89	18.64	Peak	141	169

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

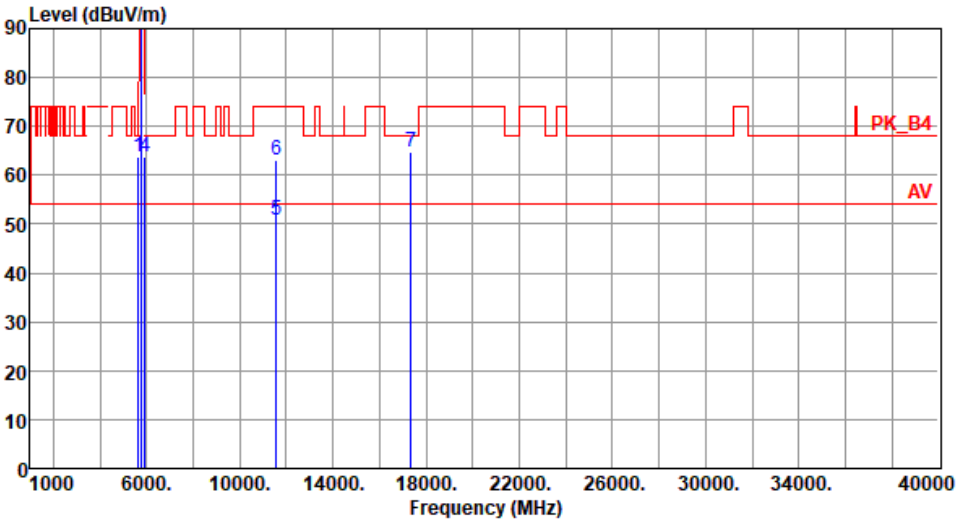
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	63.80	68.20	-4.40	56.41	7.39	Peak	172	11
2	*	5785.00	116.43			108.55	7.88	Average	172	11
3	*	5785.00	126.90			119.02	7.88	Peak	172	11
4		5925.00	64.01	68.20	-4.19	55.94	8.07	Peak	172	11
5		11570.00	53.14	54.00	-0.86	36.53	16.61	Average	100	305
6		11570.00	66.81	74.00	-7.19	50.20	16.61	Peak	100	305
7		17355.00	64.57	68.20	-3.63	45.34	19.23	Peak	166	226

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

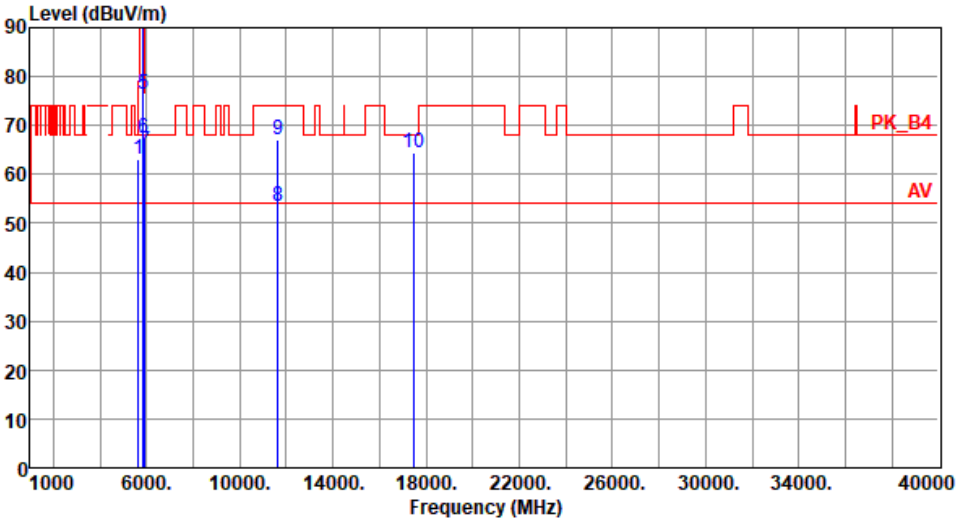
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	63.65	68.20	-4.55	56.26	7.39	Peak	124	319
2	*	5785.00	115.62			107.74	7.88	Average	124	319
3	*	5785.00	126.14			118.26	7.88	Peak	124	319
4		5925.00	63.84	68.20	-4.36	55.77	8.07	Peak	124	319
5		11570.00	50.67	54.00	-3.33	34.06	16.61	Average	100	342
6		11570.00	63.10	74.00	-10.90	46.49	16.61	Peak	100	342
7		17355.00	64.62	68.20	-3.58	45.39	19.23	Peak	155	181

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

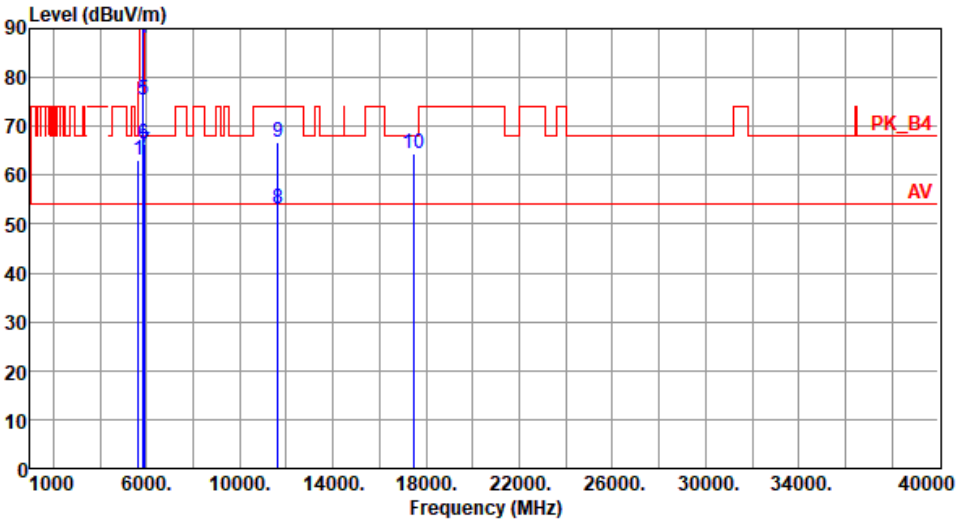
Modulation	11a	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	63.26	68.20	-4.94	55.87	7.39	Peak	180	1
2	*	5825.00	116.86			108.90	7.96	Average	180	1
3	*	5825.00	126.52			118.56	7.96	Peak	180	1
4		5850.00	88.57	122.20	-33.63	80.55	8.02	Peak	180	1
5		5855.00	76.36	110.80	-34.44	68.34	8.02	Peak	180	1
6		5875.00	67.38	105.20	-37.82	59.35	8.03	Peak	180	1
7		5925.00	64.82	68.20	-3.38	56.75	8.07	Peak	180	1
8		11650.00	53.46	54.00	-0.54	37.08	16.38	Average	102	311
9		11650.00	66.92	74.00	-7.08	50.54	16.38	Peak	102	311
10		17475.00	64.51	68.20	-3.69	44.77	19.74	Peak	100	224

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical	Test Configuration	1

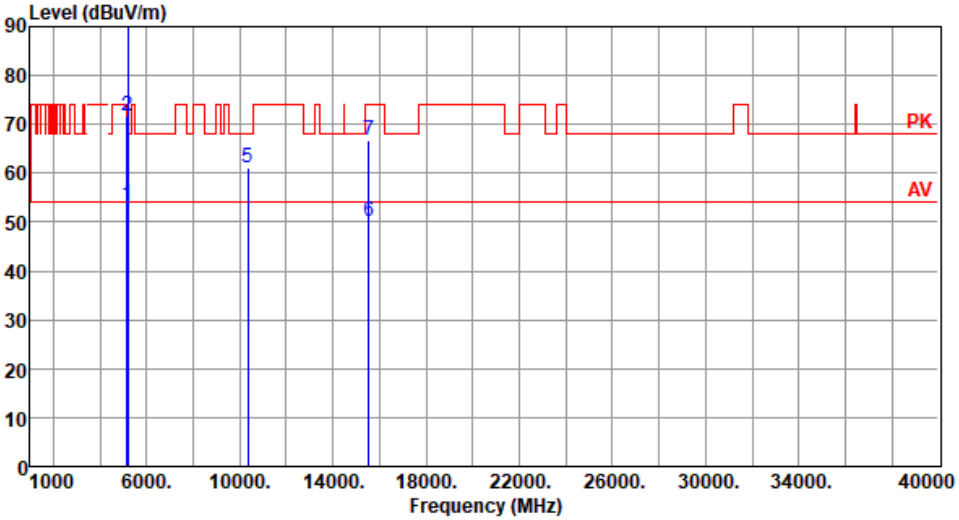


		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	63.14	68.20	-5.06	55.75	7.39	Peak	124	331
2	*	5825.00	116.04			108.08	7.96	Average	124	331
3	*	5825.00	125.71			117.75	7.96	Peak	124	331
4		5850.00	87.86	122.20	-34.34	79.84	8.02	Peak	124	331
5		5855.00	75.41	110.80	-35.39	67.39	8.02	Peak	124	331
6		5875.00	66.43	105.20	-38.77	58.40	8.03	Peak	124	331
7		5925.00	64.77	68.20	-3.43	56.70	8.07	Peak	124	331
8		11650.00	53.28	54.00	-0.72	36.90	16.38	Average	100	345
9		11650.00	66.81	74.00	-7.19	50.43	16.38	Peak	100	345
10		17475.00	64.38	68.20	-3.82	44.64	19.74	Peak	151	162

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

3.5.2 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax (HE20)

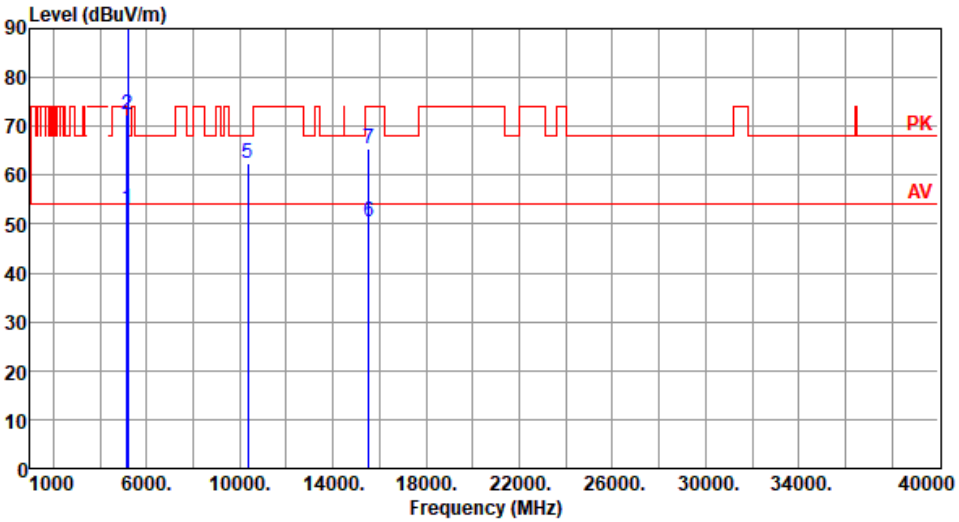
Modulation	ax (HE20)	Test Freq. (MHz)	5180
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	53.51	54.00	-0.49	46.19	7.32	Average	209	351
2		5150.00	71.61	74.00	-2.39	64.29	7.32	Peak	209	351
3	*	5180.00	110.35			103.21	7.14	Average	209	351
4	*	5180.00	123.86			116.72	7.14	Peak	209	351
5		10360.00	61.22	68.20	-6.98	45.13	16.09	Peak	125	224
6		15540.00	50.29	54.00	-3.71	32.92	17.37	Average	114	236
7		15540.00	66.84	74.00	-7.16	49.47	17.37	Peak	114	236

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

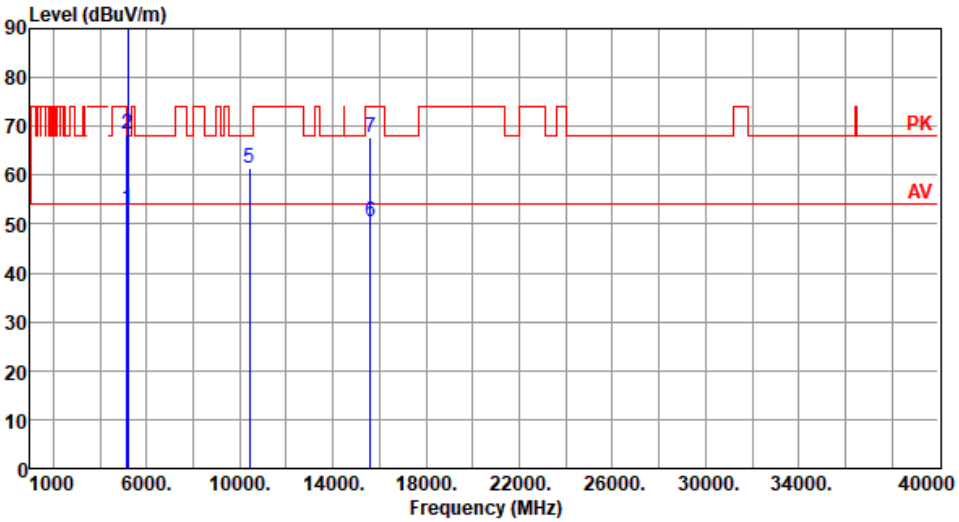
Modulation	ax (HE20)	Test Freq. (MHz)	5180
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	53.22	54.00	-0.78	45.90	7.32	Average	204	18
2		5150.00	72.51	74.00	-1.49	65.19	7.32	Peak	204	18
3	*	5180.00	110.05			102.91	7.14	Average	204	18
4	*	5180.00	123.45			116.31	7.14	Peak	204	18
5		10360.00	62.45	68.20	-5.75	46.36	16.09	Peak	101	326
6		15540.00	50.36	54.00	-3.64	32.99	17.37	Average	100	21
7		15540.00	65.48	74.00	-8.52	48.11	17.37	Peak	100	21

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

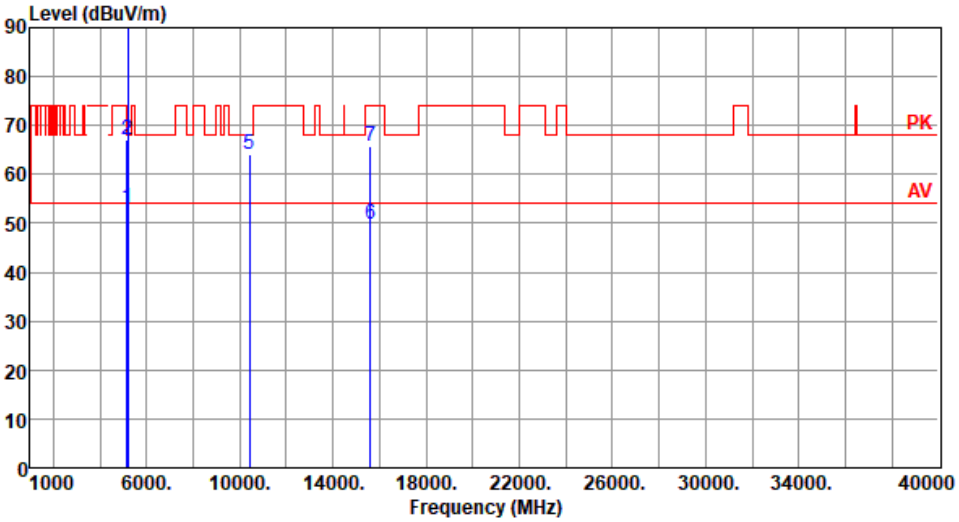
Modulation	ax (HE20)	**Test Freq. (MHz)**	5200
Polarization	Horizontal	**Test Configuration**	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	53.25	54.00	-0.75	45.93	7.32	Average	198	343
2		5150.00	68.26	74.00	-5.74	60.94	7.32	Peak	198	343
3	*	5200.00	114.64			107.61	7.03	Average	198	343
4	*	5200.00	126.89			119.86	7.03	Peak	198	343
5		10400.00	61.54	68.20	-6.66	45.26	16.28	Peak	129	222
6		15600.00	50.34	54.00	-3.66	33.07	17.27	Average	111	230
7		15600.00	67.86	74.00	-6.14	50.59	17.27	Peak	111	230

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

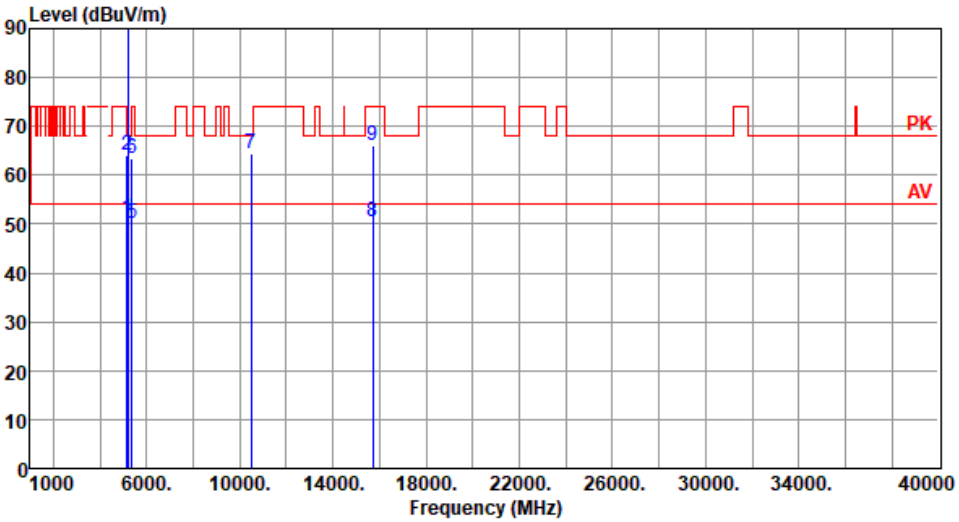
Modulation	ax (HE20)	**Test Freq. (MHz)**	5200
Polarization	Vertical	**Test Configuration**	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	53.01	54.00	-0.99	45.69	7.32	Average	195	342
2		5150.00	67.18	74.00	-6.82	59.86	7.32	Peak	195	342
3	*	5200.00	114.50			107.47	7.03	Average	195	342
4	*	5200.00	126.61			119.58	7.03	Peak	195	342
5		10400.00	63.98	68.20	-4.22	47.70	16.28	Peak	100	347
6		15600.00	49.91	54.00	-4.09	32.64	17.27	Average	100	16
7		15600.00	65.72	74.00	-8.28	48.45	17.27	Peak	100	16

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

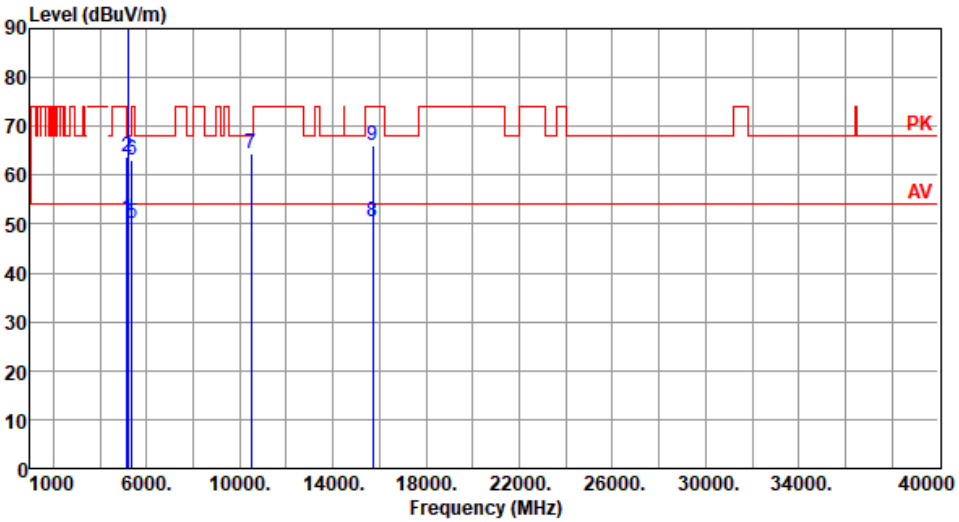
Modulation	ax (HE20)	Test Freq. (MHz)	5240
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	51.24	54.00	-2.76	43.92	7.32	Average	186	11
2		5150.00	64.15	74.00	-9.85	56.83	7.32	Peak	186	11
3	*	5240.00	114.44			107.54	6.90	Average	186	11
4	*	5240.00	127.52			120.62	6.90	Peak	186	11
5		5350.00	50.31	54.00	-3.69	43.46	6.85	Average	186	11
6		5350.00	63.40	74.00	-10.60	56.55	6.85	Peak	186	11
7		10480.00	64.45	68.20	-3.75	48.04	16.41	Peak	100	329
8		15720.00	50.41	54.00	-3.59	33.81	16.60	Average	100	345
9		15720.00	66.24	74.00	-7.76	49.64	16.60	Peak	100	345

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

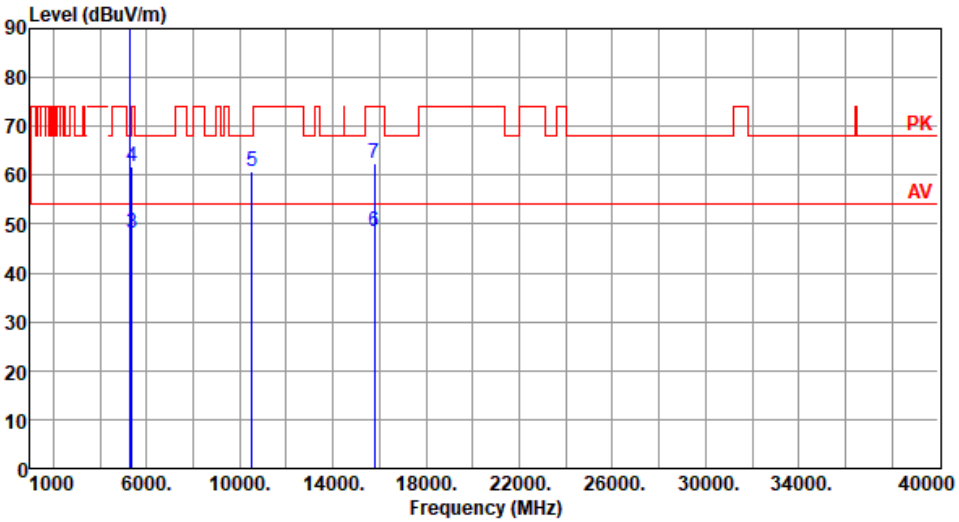
Modulation	ax (HE20)	Test Freq. (MHz)	5240
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	51.06	54.00	-2.94	43.74	7.32	Average	196	343
2		5150.00	63.92	74.00	-10.08	56.60	7.32	Peak	196	343
3	*	5240.00	114.03			107.13	6.90	Average	196	343
4	*	5240.00	127.16			120.26	6.90	Peak	196	343
5		5350.00	50.04	54.00	-3.96	43.19	6.85	Average	196	343
6		5350.00	63.11	74.00	-10.89	56.26	6.85	Peak	196	343
7		10480.00	64.32	68.20	-3.88	47.91	16.41	Peak	100	341
8		15720.00	50.32	54.00	-3.68	33.72	16.60	Average	100	15
9		15720.00	66.02	74.00	-7.98	49.42	16.60	Peak	100	15

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

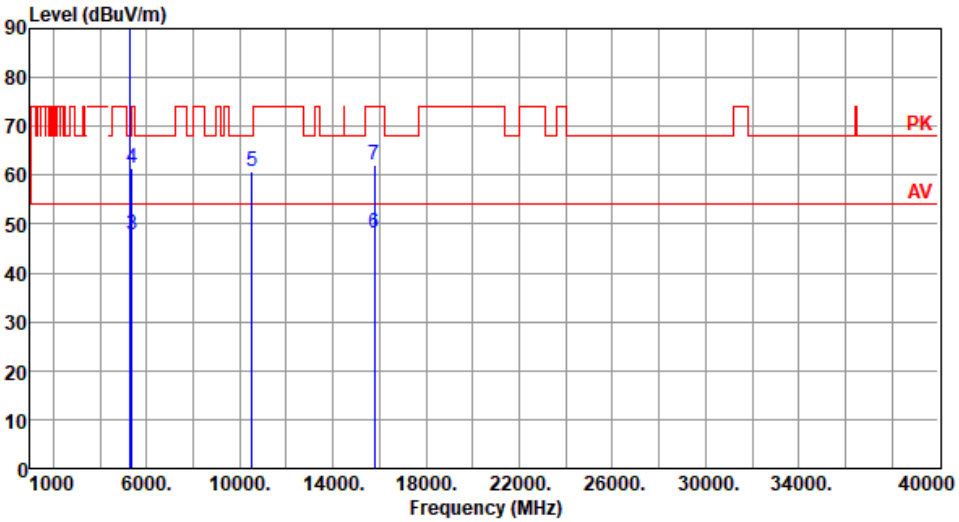
Modulation	ax (HE20)	**Test Freq. (MHz)**	5260
Polarization	Horizontal	**Test Configuration**	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5260.00	107.90			101.02	6.88	Average	186	355
2	*	5260.00	121.69			114.81	6.88	Peak	186	355
3		5350.00	48.01	54.00	-5.99	41.16	6.85	Average	186	355
4		5350.00	61.66	74.00	-12.34	54.81	6.85	Peak	186	355
5		10520.00	60.81	68.20	-7.39	44.39	16.42	Peak	100	344
6		15780.00	48.41	54.00	-5.59	31.85	16.56	Average	100	352
7		15780.00	62.35	74.00	-11.65	45.79	16.56	Peak	100	352

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

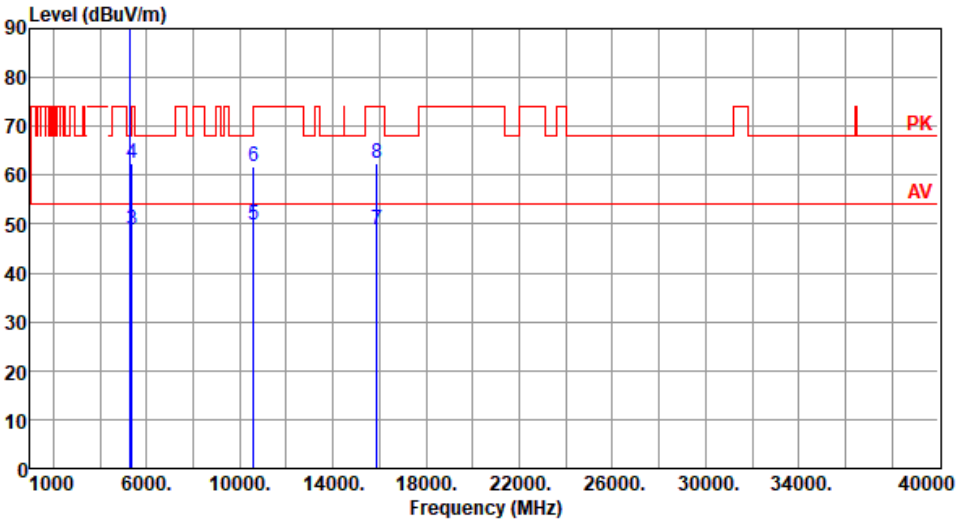
Modulation	ax (HE20)	Test Freq. (MHz)	5260
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5260.00	107.24			100.36	6.88	Average	191	326
2	*	5260.00	121.08			114.20	6.88	Peak	191	326
3		5350.00	47.95	54.00	-6.05	41.10	6.85	Average	191	326
4		5350.00	61.52	74.00	-12.48	54.67	6.85	Peak	191	326
5		10520.00	60.68	68.20	-7.52	44.26	16.42	Peak	101	355
6		15780.00	48.32	54.00	-5.68	31.76	16.56	Average	100	344
7		15780.00	62.25	74.00	-11.75	45.69	16.56	Peak	100	344

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

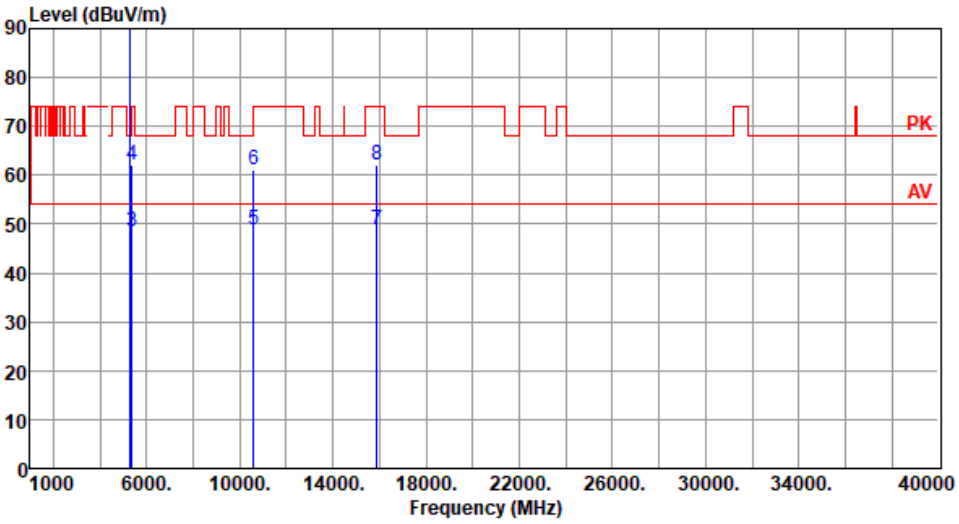
Modulation	ax (HE20)	Test Freq. (MHz)	5300
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5300.00	108.26			101.35	6.91	Average	182	345
2	*	5300.00	121.35			114.44	6.91	Peak	182	345
3		5350.00	48.74	54.00	-5.26	41.89	6.85	Average	182	345
4		5350.00	62.35	74.00	-11.65	55.50	6.85	Peak	182	345
5		10600.00	49.72	54.00	-4.28	33.36	16.36	Average	133	255
6		10600.00	61.62	74.00	-12.38	45.26	16.36	Peak	133	255
7		15900.00	48.75	54.00	-5.25	32.06	16.69	Average	100	221
8		15900.00	62.34	74.00	-11.66	45.65	16.69	Peak	100	221

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

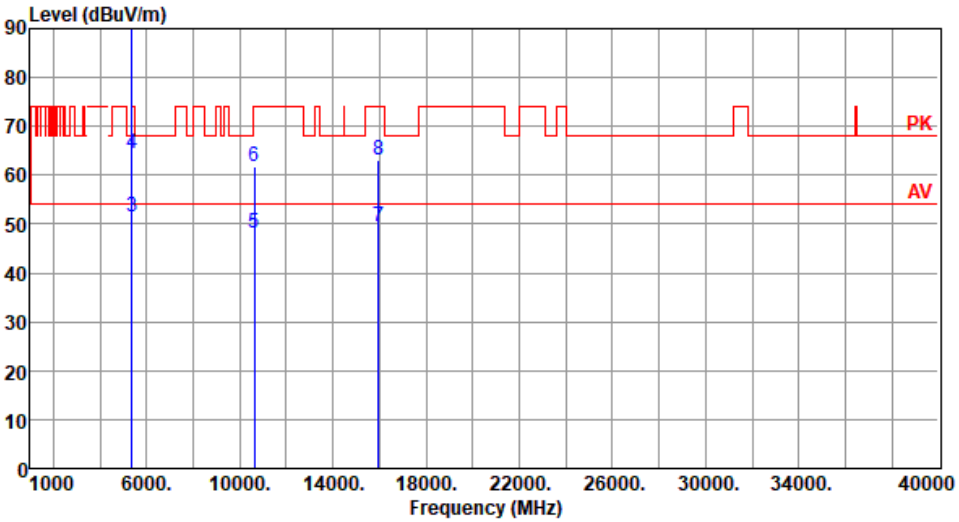
Modulation	ax (HE20)	Test Freq. (MHz)	5300
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5300.00	107.52			100.61	6.91	Average	191	346
2	*	5300.00	120.61			113.70	6.91	Peak	191	346
3		5350.00	48.41	54.00	-5.59	41.56	6.85	Average	191	346
4		5350.00	62.08	74.00	-11.92	55.23	6.85	Peak	191	346
5		10600.00	48.70	54.00	-5.30	32.34	16.36	Average	100	344
6		10600.00	61.12	74.00	-12.88	44.76	16.36	Peak	100	344
7		15900.00	48.71	54.00	-5.29	32.02	16.69	Average	100	55
8		15900.00	61.97	74.00	-12.03	45.28	16.69	Peak	100	55

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

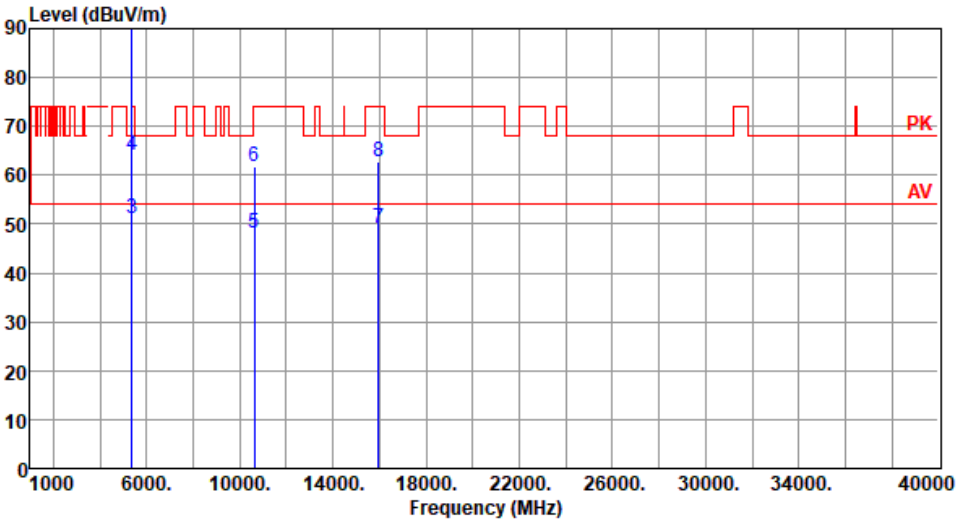
Modulation	ax (HE20)	Test Freq. (MHz)	5320
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5320.00	108.02			101.13	6.89	Average	181	354
2	*	5320.00	122.80			115.91	6.89	Peak	181	354
3		5350.00	51.50	54.00	-2.50	44.65	6.85	Average	181	354
4		5350.00	64.54	74.00	-9.46	57.69	6.85	Peak	181	354
5		10640.00	48.25	54.00	-5.75	31.88	16.37	Average	100	356
6		10640.00	61.82	74.00	-12.18	45.45	16.37	Peak	100	356
7		15960.00	49.58	54.00	-4.42	33.05	16.53	Average	100	344
8		15960.00	62.94	74.00	-11.06	46.41	16.53	Peak	100	344

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

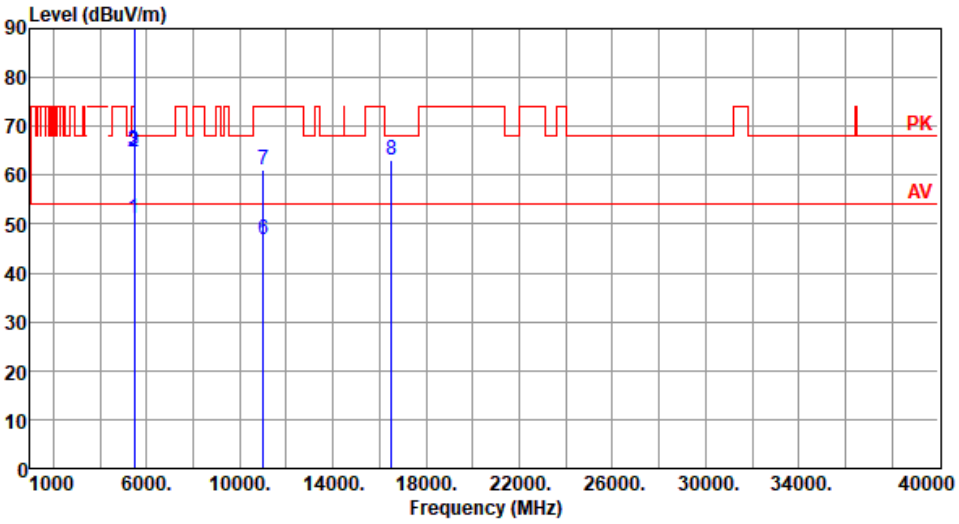
Modulation	ax (HE20)	Test Freq. (MHz)	5320
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5320.00	107.46			100.57	6.89	Average	195	344
2	*	5320.00	122.38			115.49	6.89	Peak	195	344
3		5350.00	51.12	54.00	-2.88	44.27	6.85	Average	195	344
4		5350.00	64.08	74.00	-9.92	57.23	6.85	Peak	195	344
5		10640.00	48.09	54.00	-5.91	31.72	16.37	Average	100	352
6		10640.00	61.77	74.00	-12.23	45.40	16.37	Peak	100	352
7		15960.00	49.24	54.00	-4.76	32.71	16.53	Average	100	356
8		15960.00	62.78	74.00	-11.22	46.25	16.53	Peak	100	356

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

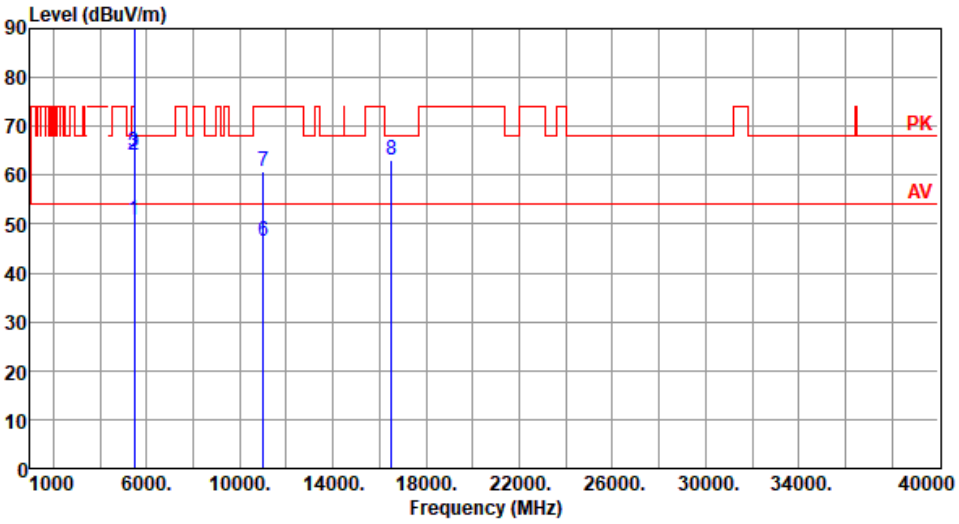
Modulation	ax (HE20)	**Test Freq. (MHz)**	5500
Polarization	Horizontal	**Test Configuration**	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	51.05	54.00	-2.95	43.80	7.25	Average	182	352
2		5460.00	64.66	74.00	-9.34	57.41	7.25	Peak	182	352
3		5470.00	65.14	68.20	-3.06	57.86	7.28	Peak	182	352
4	*	5500.00	107.24			99.88	7.36	Average	182	352
5	*	5500.00	120.94			113.58	7.36	Peak	182	352
6		11000.00	46.85	54.00	-7.15	30.01	16.84	Average	100	336
7		11000.00	61.12	74.00	-12.88	44.28	16.84	Peak	100	336
8		16500.00	63.14	68.20	-5.06	45.50	17.64	Peak	100	356

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

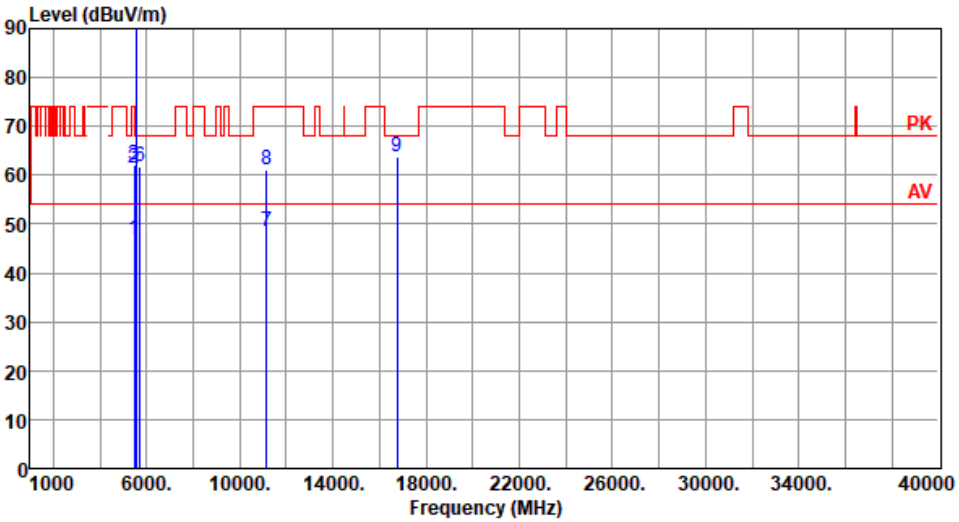
Modulation	ax (HE20)	Test Freq. (MHz)	5500
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	50.95	54.00	-3.05	43.70	7.25	Average	191	338
2		5460.00	64.23	74.00	-9.77	56.98	7.25	Peak	191	338
3		5470.00	64.86	68.20	-3.34	57.58	7.28	Peak	191	338
4	*	5500.00	106.65			99.29	7.36	Average	191	338
5	*	5500.00	120.31			112.95	7.36	Peak	191	338
6		11000.00	46.59	54.00	-7.41	29.75	16.84	Average	100	355
7		11000.00	60.86	74.00	-13.14	44.02	16.84	Peak	100	355
8		16500.00	63.02	68.20	-5.18	45.38	17.64	Peak	100	324

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

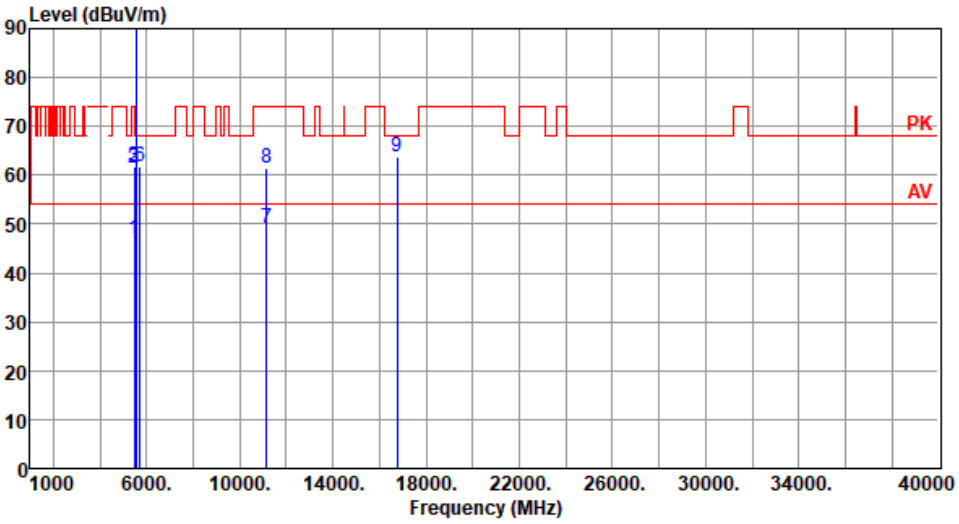
Modulation	ax (HE20)	Test Freq. (MHz)	5580
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	46.96	54.00	-7.04	39.71	7.25	Average	180	349
2		5460.00	61.51	74.00	-12.49	54.26	7.25	Peak	180	349
3		5470.00	62.19	68.20	-6.01	54.91	7.28	Peak	180	349
4	*	5580.00	107.66			100.18	7.48	Average	180	349
5	*	5580.00	121.74			114.26	7.48	Peak	180	349
6		5725.00	61.81	68.20	-6.39	54.15	7.66	Peak	180	349
7		11160.00	48.45	54.00	-5.55	31.86	16.59	Average	128	232
8		11160.00	61.04	74.00	-12.96	44.45	16.59	Peak	128	232
9		16740.00	63.68	68.20	-4.52	45.45	18.23	Peak	100	231

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

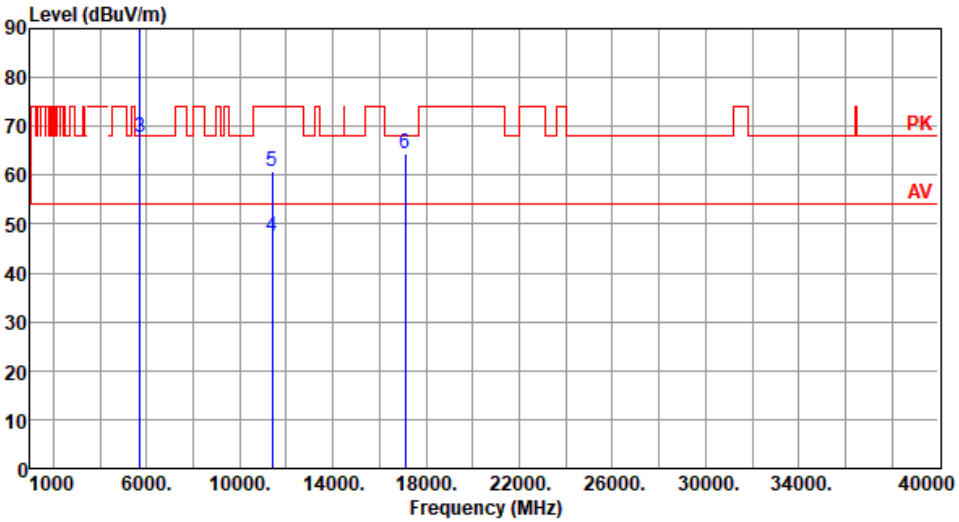
Modulation	ax (HE20)	Test Freq. (MHz)	5580
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	46.82	54.00	-7.18	39.57	7.25	Average	193	351
2		5460.00	61.34	74.00	-12.66	54.09	7.25	Peak	193	351
3		5470.00	61.88	68.20	-6.32	54.60	7.28	Peak	193	351
4	*	5580.00	107.04			99.56	7.48	Average	193	351
5	*	5580.00	121.15			113.67	7.48	Peak	193	351
6		5725.00	61.65	68.20	-6.55	53.99	7.66	Peak	193	351
7		11160.00	49.25	54.00	-4.75	32.66	16.59	Average	100	333
8		11160.00	61.40	74.00	-12.60	44.81	16.59	Peak	100	333
9		16740.00	63.71	68.20	-4.49	45.48	18.23	Peak	100	5

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

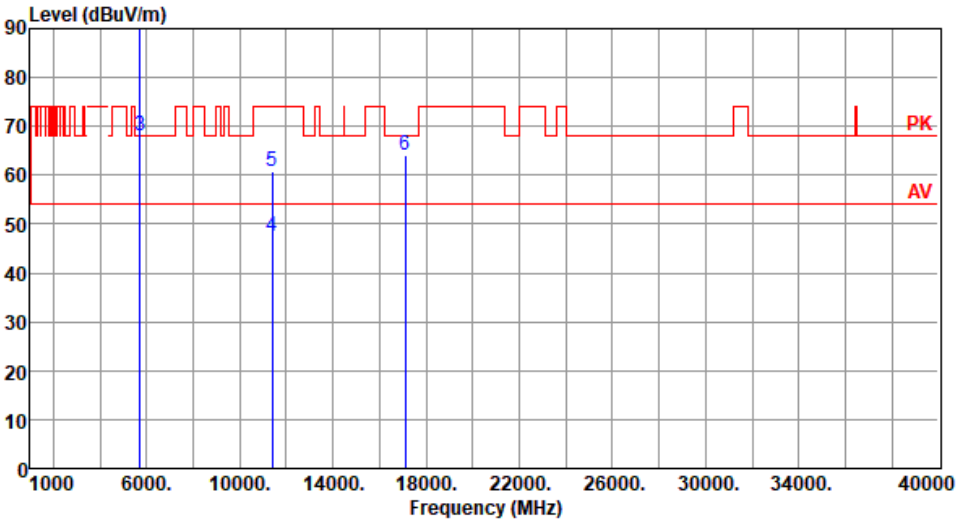
Modulation	ax (HE20)	Test Freq. (MHz)	5700
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5700.00	108.30			100.80	7.50	Average	153	359
2	*	5700.00	121.94			114.44	7.50	Peak	153	359
3		5725.00	67.77	68.20	-0.43	60.11	7.66	Peak	153	359
4		11400.00	47.49	54.00	-6.51	30.76	16.73	Average	100	314
5		11400.00	60.85	74.00	-13.15	44.12	16.73	Peak	100	314
6		17100.00	64.36	68.20	-3.84	46.12	18.24	Peak	100	326

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

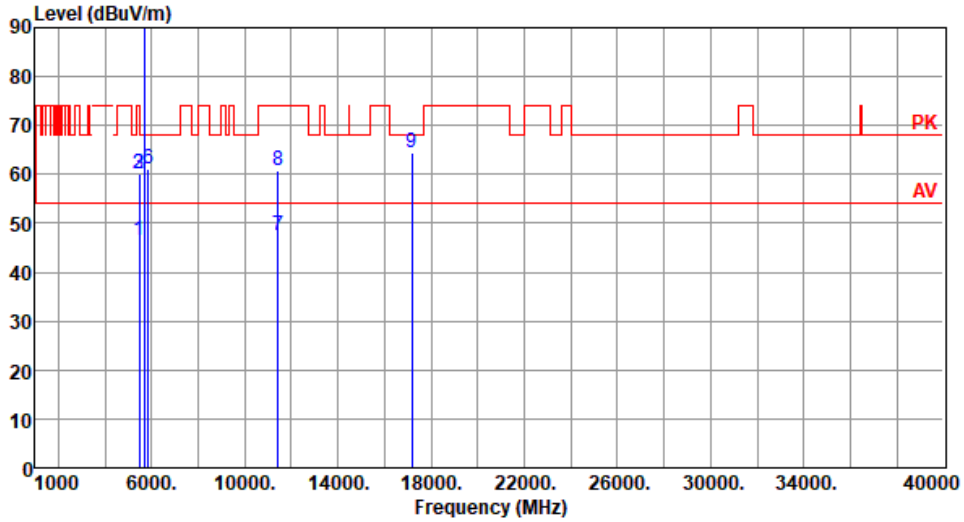
Modulation	ax (HE20)	Test Freq. (MHz)	5700
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5700.00	107.41			99.91	7.50	Average	190	346
2	*	5700.00	120.85			113.35	7.50	Peak	190	346
3		5725.00	67.94	68.20	-0.26	60.28	7.66	Peak	190	346
4		11400.00	47.61	54.00	-6.39	30.88	16.73	Average	105	298
5		11400.00	60.92	74.00	-13.08	44.19	16.73	Peak	105	298
6		17100.00	64.25	68.20	-3.95	46.01	18.24	Peak	103	19

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

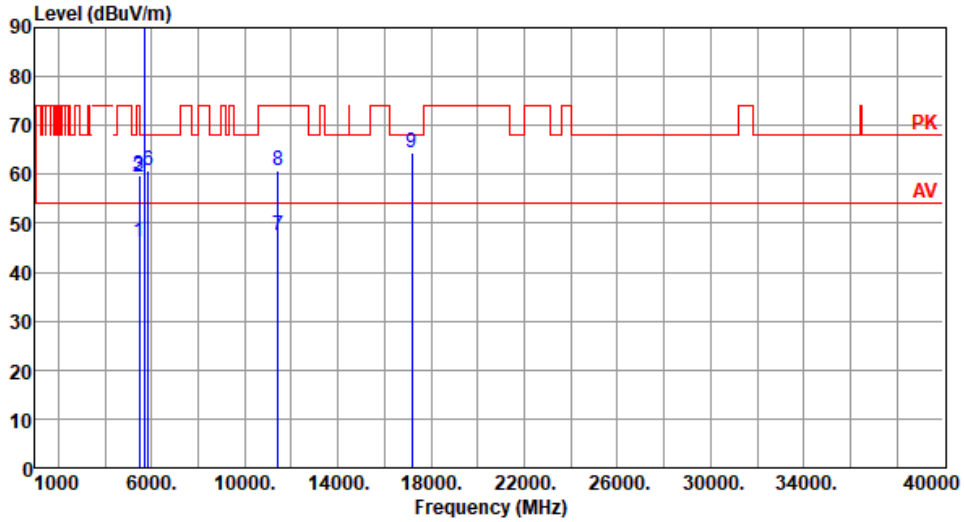
Modulation	ax (HE20)	Test Freq. (MHz)	5720
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	46.46	54.00	-7.54	39.21	7.25	Average	190	3
2		5460.00	60.01	74.00	-13.99	52.76	7.25	Peak	190	3
3		5470.00	60.06	68.20	-8.14	52.78	7.28	Peak	190	3
4	*	5720.00	106.86			99.24	7.62	Average	190	3
5	*	5720.00	120.81			113.19	7.62	Peak	190	3
6		5850.00	61.26	68.20	-6.94	53.24	8.02	Peak	190	3
7		11440.00	47.59	54.00	-6.41	30.85	16.74	Average	115	342
8		11440.00	60.92	74.00	-13.08	44.18	16.74	Peak	115	342
9		17160.00	64.28	68.20	-3.92	45.90	18.38	Peak	103	28

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

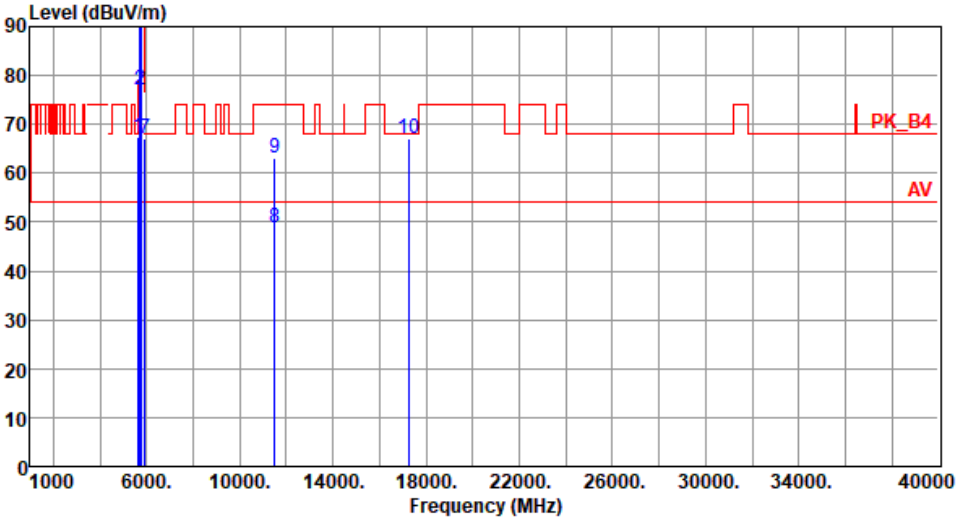
Modulation	ax (HE20)	Test Freq. (MHz)	5720
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	46.12	54.00	-7.88	38.87	7.25	Average	193	352
2		5460.00	59.51	74.00	-14.49	52.26	7.25	Peak	193	352
3		5470.00	59.64	68.20	-8.56	52.36	7.28	Peak	193	352
4	*	5720.00	106.34			98.72	7.62	Average	193	352
5	*	5720.00	120.28			112.66	7.62	Peak	193	352
6		5850.00	60.93	68.20	-7.27	52.91	8.02	Peak	193	352
7		11440.00	47.59	54.00	-6.41	30.85	16.74	Average	115	342
8		11440.00	60.92	74.00	-13.08	44.18	16.74	Peak	115	342
9		17160.00	64.28	68.20	-3.92	45.90	18.38	Peak	103	28

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

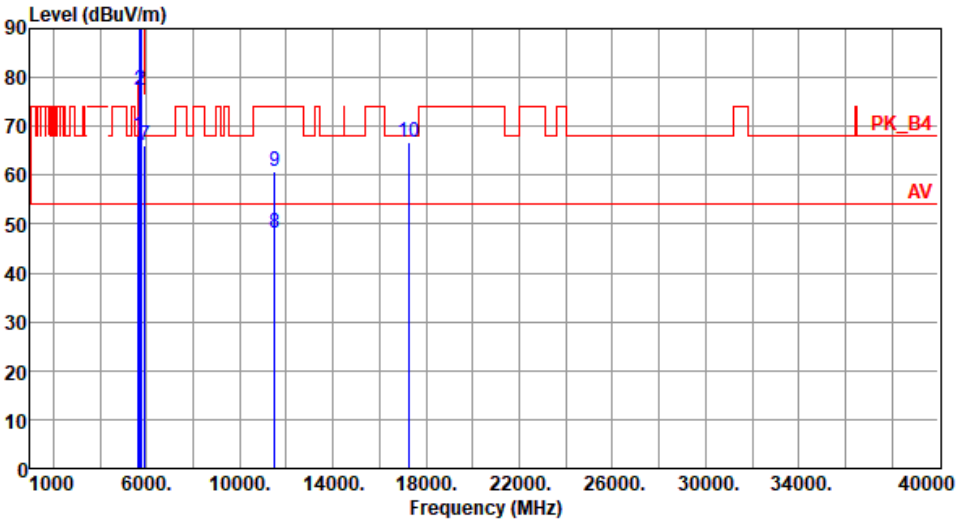
Modulation	ax (HE20)	Test Freq. (MHz)	5745
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	67.55	68.20	-0.65	60.16	7.39	Peak	181	342
2		5700.00	77.11	105.20	-28.09	69.61	7.50	Peak	181	342
3		5720.00	90.16	110.80	-20.64	82.54	7.62	Peak	181	342
4		5725.00	98.69	122.20	-23.51	91.03	7.66	Peak	181	342
5	*	5745.00	114.05			106.27	7.78	Average	181	342
6	*	5745.00	126.41			118.63	7.78	Peak	181	342
7		5925.00	66.96	68.20	-1.24	58.89	8.07	Peak	181	342
8		11490.00	48.97	54.00	-5.03	32.21	16.76	Average	100	305
9		11490.00	63.23	74.00	-10.77	46.47	16.76	Peak	100	305
10		17235.00	67.14	68.20	-1.06	48.50	18.64	Peak	102	271

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

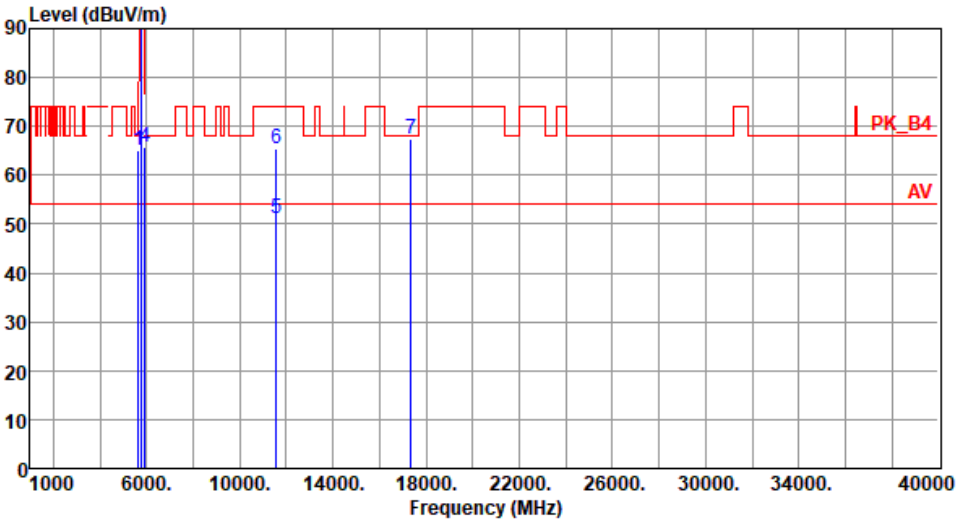
Modulation	ax (HE20)	Test Freq. (MHz)	5745
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	67.93	68.20	-0.27	60.54	7.39	Peak	188	346
2		5700.00	77.25	105.20	-27.95	69.75	7.50	Peak	188	346
3		5720.00	93.78	110.80	-17.02	86.16	7.62	Peak	188	346
4		5725.00	99.84	122.20	-22.36	92.18	7.66	Peak	188	346
5	*	5745.00	113.13			105.35	7.78	Average	188	346
6	*	5745.00	124.90			117.12	7.78	Peak	188	346
7		5925.00	65.98	68.20	-2.22	57.91	8.07	Peak	188	346
8		11490.00	48.01	54.00	-5.99	31.25	16.76	Average	131	341
9		11490.00	60.66	74.00	-13.34	43.90	16.76	Peak	131	341
10		17235.00	66.69	68.20	-1.51	48.05	18.64	Peak	173	235

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

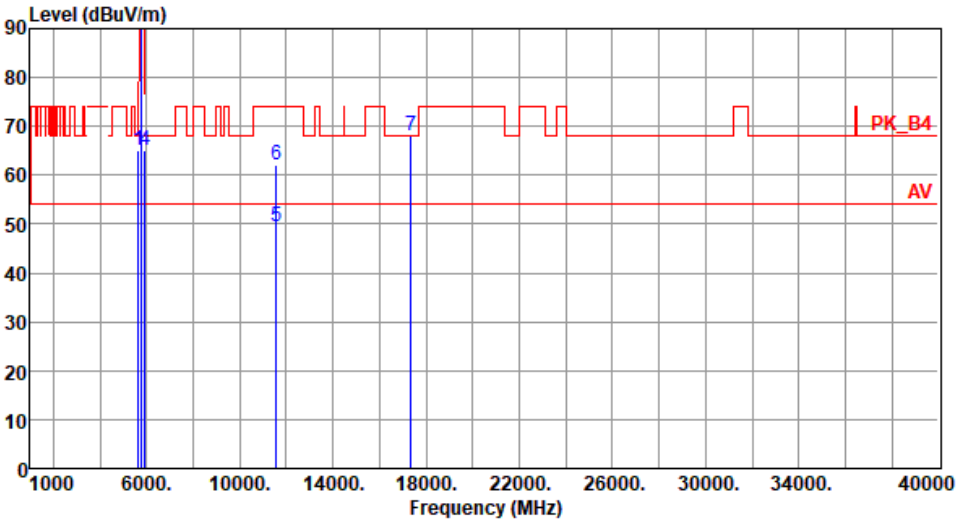
Modulation	ax (HE20)	Test Freq. (MHz)	5785
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	65.24	68.20	-2.96	57.85	7.39	Peak	184	354
2	*	5785.00	115.45			107.57	7.88	Average	184	354
3	*	5785.00	127.60			119.72	7.88	Peak	184	354
4		5925.00	65.76	68.20	-2.44	57.69	8.07	Peak	184	354
5		11570.00	51.25	54.00	-2.75	34.64	16.61	Average	100	306
6		11570.00	65.57	74.00	-8.43	48.96	16.61	Peak	100	306
7		17355.00	67.31	68.20	-0.89	48.08	19.23	Peak	145	246

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

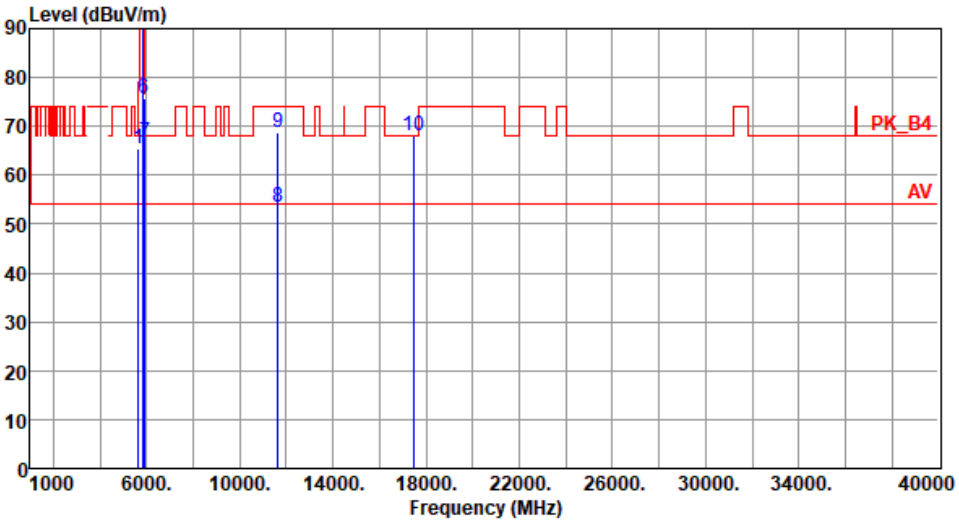
Modulation	ax (HE20)	Test Freq. (MHz)	5785
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	64.95	68.20	-3.25	57.56	7.39	Peak	196	353
2	*	5785.00	114.82			106.94	7.88	Average	196	353
3	*	5785.00	126.95			119.07	7.88	Peak	196	353
4		5925.00	65.21	68.20	-2.99	57.14	8.07	Peak	196	353
5		11570.00	49.51	54.00	-4.49	32.90	16.61	Average	100	341
6		11570.00	62.26	74.00	-11.74	45.65	16.61	Peak	100	341
7		17355.00	67.96	68.20	-0.24	48.73	19.23	Peak	146	180

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

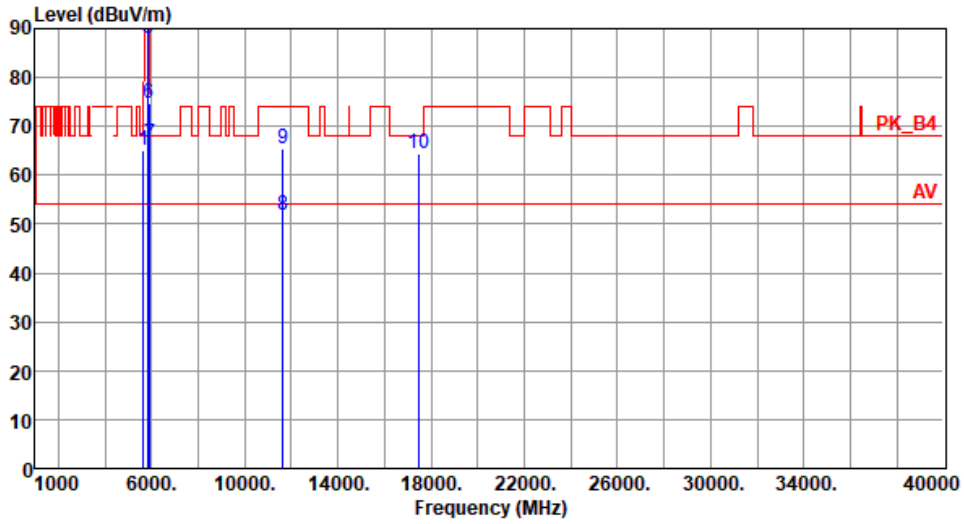
Modulation	ax (HE20)	Test Freq. (MHz)	5825
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	65.48	68.20	-2.72	58.09	7.39	Peak	173	351
2	*	5825.00	116.03			108.07	7.96	Average	173	351
3	*	5825.00	127.99			120.03	7.96	Peak	173	351
4		5850.00	95.93	122.20	-26.27	87.91	8.02	Peak	173	351
5		5855.00	88.66	110.80	-22.14	80.64	8.02	Peak	173	351
6		5875.00	75.66	105.20	-29.54	67.63	8.03	Peak	173	351
7		5925.00	66.69	68.20	-1.51	58.62	8.07	Peak	173	351
8		11650.00	53.62	54.00	-0.38	37.24	16.38	Average	151	340
9		11650.00	68.77	74.00	-5.23	52.39	16.38	Peak	151	340
10		17475.00	68.02	68.20	-0.18	48.28	19.74	Peak	231	64

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

Modulation	ax (HE20)	**Test Freq. (MHz)**	5825
Polarization	Vertical	**Test Configuration**	1

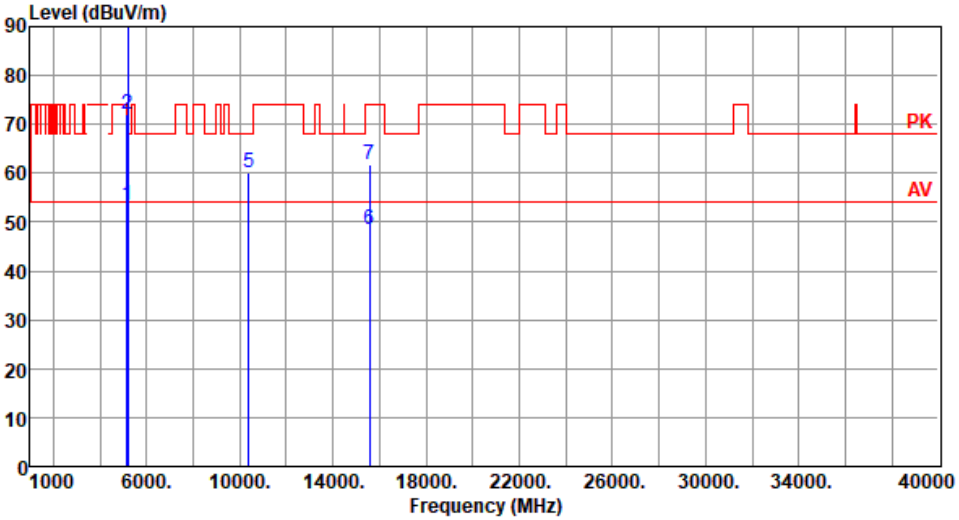


		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	65.22	68.20	-2.98	57.83	7.39	Peak	186	355
2	*	5825.00	115.34			107.38	7.96	Average	186	355
3	*	5825.00	127.26			119.30	7.96	Peak	186	355
4		5850.00	95.21	122.20	-26.99	87.19	8.02	Peak	186	355
5		5855.00	87.94	110.80	-22.86	79.92	8.02	Peak	186	355
6		5875.00	74.82	105.20	-30.38	66.79	8.03	Peak	186	355
7		5925.00	66.45	68.20	-1.75	58.38	8.07	Peak	186	355
8		11650.00	51.73	54.00	-2.27	35.35	16.38	Average	100	341
9		11650.00	65.53	74.00	-8.47	49.15	16.38	Peak	100	341
10		17475.00	64.54	68.20	-3.66	44.80	19.74	Peak	103	346

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

3.5.3 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax (HE40)

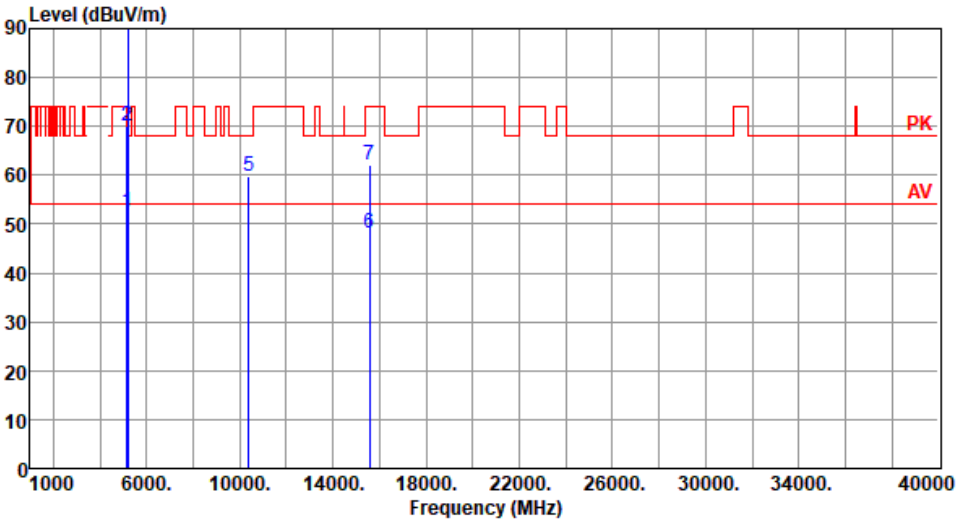
Modulation	ax (HE40)	Test Freq. (MHz)	5190
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	53.50	54.00	-0.50	46.18	7.32	Average	192	3
2		5150.00	71.92	74.00	-2.08	64.60	7.32	Peak	192	3
3	*	5190.00	105.84			98.75	7.09	Average	198	6
4	*	5190.00	118.63			111.54	7.09	Peak	198	6
5		10380.00	60.21	68.20	-7.99	44.03	16.18	Peak	181	15
6		15570.00	48.52	54.00	-5.48	31.20	17.32	Average	100	44
7		15570.00	61.75	74.00	-12.25	44.43	17.32	Peak	100	44

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

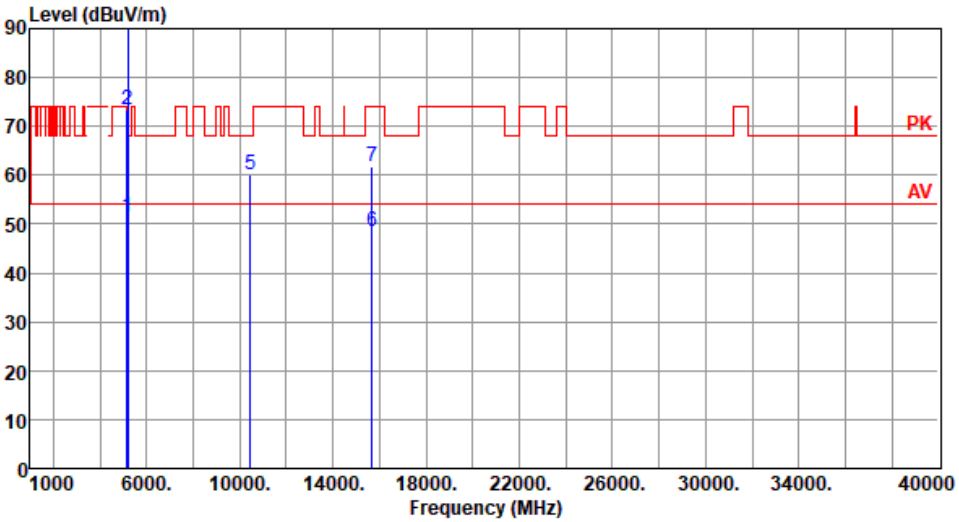
Modulation	ax (HE40)	Test Freq. (MHz)	5190
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	52.33	54.00	-1.67	45.01	7.32	Average	108	338
2		5150.00	69.92	74.00	-4.08	62.60	7.32	Peak	108	338
3	*	5190.00	103.59			96.50	7.09	Average	108	11
4	*	5190.00	116.38			109.29	7.09	Peak	108	11
5		10380.00	59.85	68.20	-8.35	43.67	16.18	Peak	134	26
6		15570.00	48.07	54.00	-5.93	30.75	17.32	Average	100	344
7		15570.00	61.95	74.00	-12.05	44.63	17.32	Peak	100	344

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

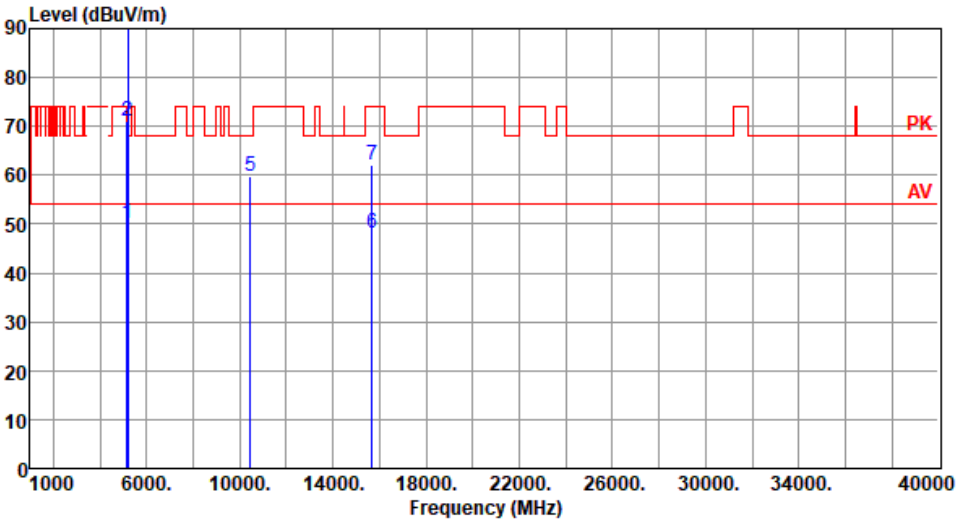
Modulation	ax (HE40)	**Test Freq. (MHz)**	5230
Polarization	Horizontal	**Test Configuration**	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	51.56	54.00	-2.44	44.24	7.32	Average	185	356
2		5150.00	73.45	74.00	-0.55	66.13	7.32	Peak	185	356
3	*	5230.00	111.03			104.10	6.93	Average	205	353
4	*	5230.00	123.46			116.53	6.93	Peak	205	353
5		10460.00	60.01	68.20	-8.19	43.64	16.37	Peak	185	356
6		15690.00	48.64	54.00	-5.36	31.96	16.68	Average	100	323
7		15690.00	61.81	74.00	-12.19	45.13	16.68	Peak	100	323

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

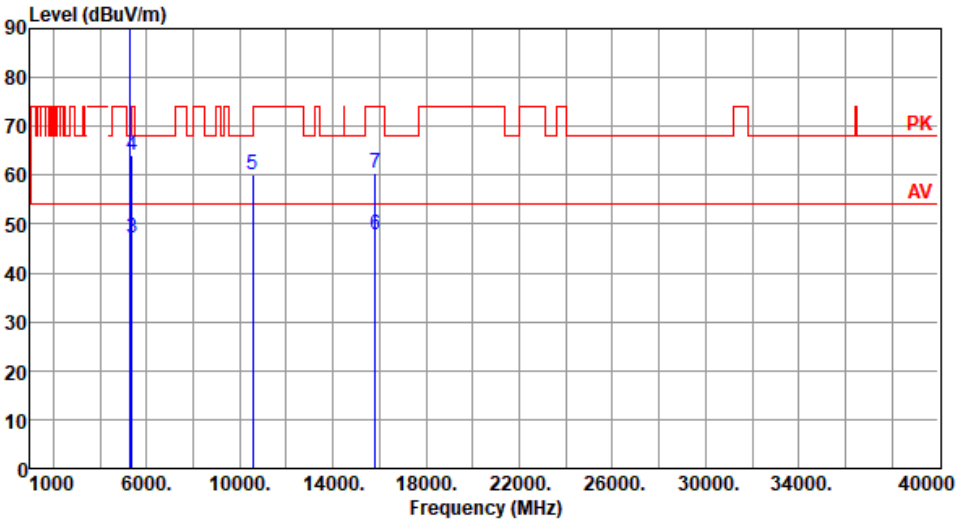
Modulation	ax (HE40)	**Test Freq. (MHz)**	5230
Polarization	Vertical	**Test Configuration**	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	50.26	54.00	-3.74	42.94	7.32	Average	166	359
2		5150.00	71.18	74.00	-2.82	63.86	7.32	Peak	166	359
3	*	5230.00	109.11			102.18	6.93	Average	166	359
4	*	5230.00	121.14			114.21	6.93	Peak	166	359
5		10460.00	59.94	68.20	-8.26	43.57	16.37	Peak	100	315
6		15690.00	48.12	54.00	-5.88	31.44	16.68	Average	100	326
7		15690.00	62.04	74.00	-11.96	45.36	16.68	Peak	100	326

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

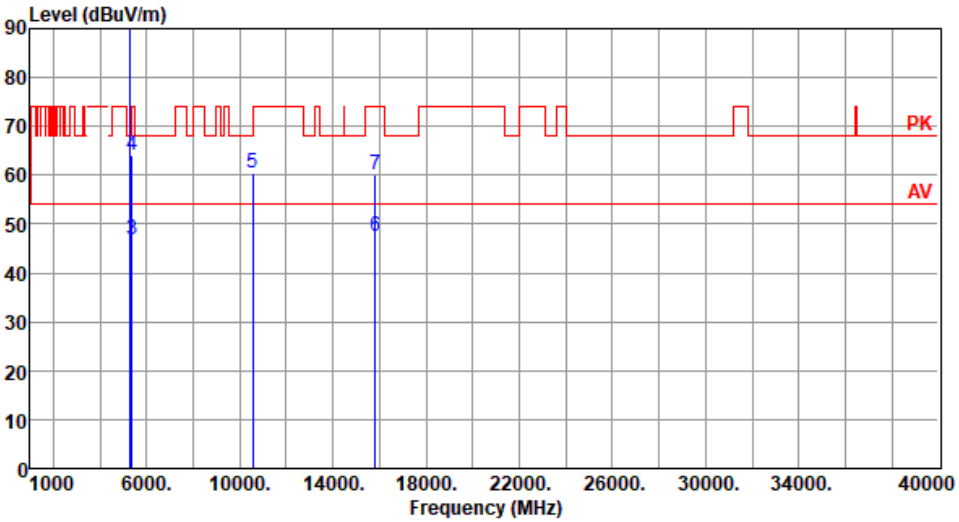
Modulation	ax (HE40)	**Test Freq. (MHz)**	5270
Polarization	Horizontal	**Test Configuration**	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5270.00	107.36			100.47	6.89	Average	192	353
2	*	5270.00	119.54			112.65	6.89	Peak	192	353
3		5350.00	47.00	54.00	-7.00	40.15	6.85	Average	192	353
4		5350.00	64.26	74.00	-9.74	57.41	6.85	Peak	192	353
5		10540.00	60.05	68.20	-8.15	43.64	16.41	Peak	100	316
6		15810.00	47.68	54.00	-6.32	31.12	16.56	Average	100	345
7		15810.00	60.40	74.00	-13.60	43.84	16.56	Peak	100	345

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

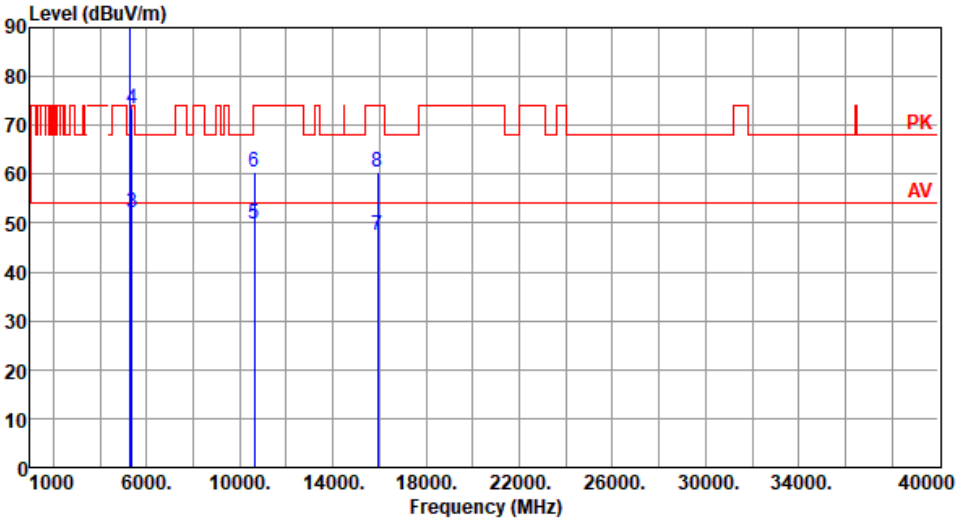
Modulation	ax (HE40)	Test Freq. (MHz)	5270
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5270.00	106.42			99.53	6.89	Average	194	356
2	*	5270.00	118.49			111.60	6.89	Peak	194	356
3		5350.00	46.92	54.00	-7.08	40.07	6.85	Average	194	356
4		5350.00	64.13	74.00	-9.87	57.28	6.85	Peak	194	356
5		10540.00	60.29	68.20	-7.91	43.88	16.41	Peak	159	48
6		15810.00	47.42	54.00	-6.58	30.86	16.56	Average	100	349
7		15810.00	60.25	74.00	-13.75	43.69	16.56	Peak	100	349

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

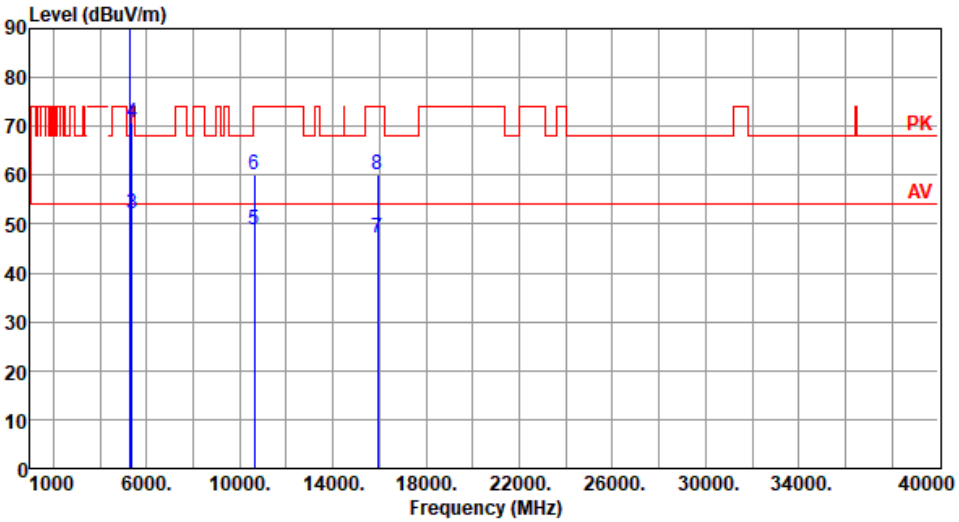
Modulation	ax (HE40)	**Test Freq. (MHz)**	5310
Polarization	Horizontal	**Test Configuration**	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5310.00	106.55			99.65	6.90	Average	199	356
2	*	5310.00	119.35			112.45	6.90	Peak	199	356
3		5350.00	52.11	54.00	-1.89	45.26	6.85	Average	199	356
4		5350.00	73.50	74.00	-0.50	66.65	6.85	Peak	199	356
5		10620.00	49.85	54.00	-4.15	33.48	16.37	Average	181	26
6		10620.00	60.58	74.00	-13.42	44.21	16.37	Peak	181	26
7		15930.00	47.56	54.00	-6.44	30.95	16.61	Average	116	129
8		15930.00	60.29	74.00	-13.71	43.68	16.61	Peak	116	129

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

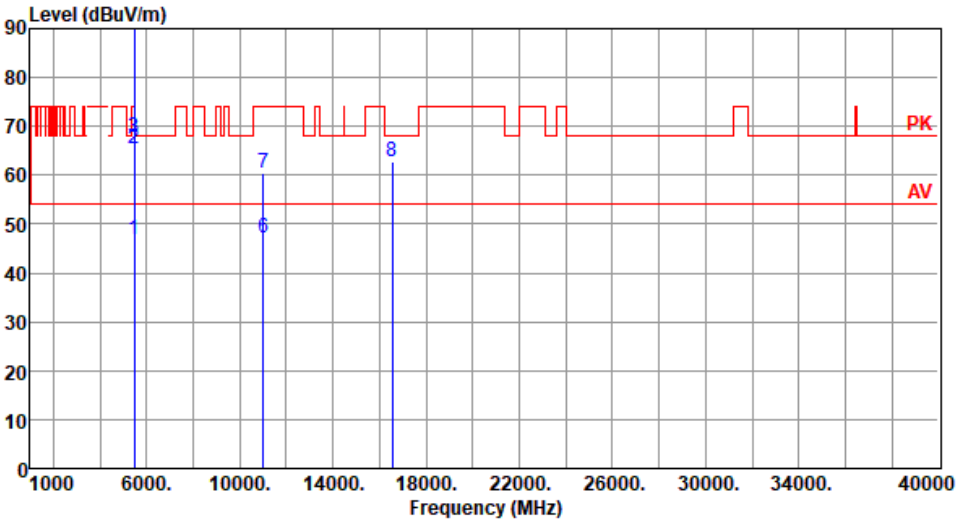
Modulation	ax (HE40)	Test Freq. (MHz)	5310
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5310.00	104.93			98.03	6.90	Average	100	9
2	*	5310.00	116.93			110.03	6.90	Peak	100	9
3		5350.00	52.06	54.00	-1.94	45.21	6.85	Average	100	9
4		5350.00	70.83	74.00	-3.17	63.98	6.85	Peak	100	9
5		10620.00	48.66	54.00	-5.34	32.29	16.37	Average	103	259
6		10620.00	60.24	74.00	-13.76	43.87	16.37	Peak	103	259
7		15930.00	47.29	54.00	-6.71	30.68	16.61	Average	100	55
8		15930.00	60.13	74.00	-13.87	43.52	16.61	Peak	100	55

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

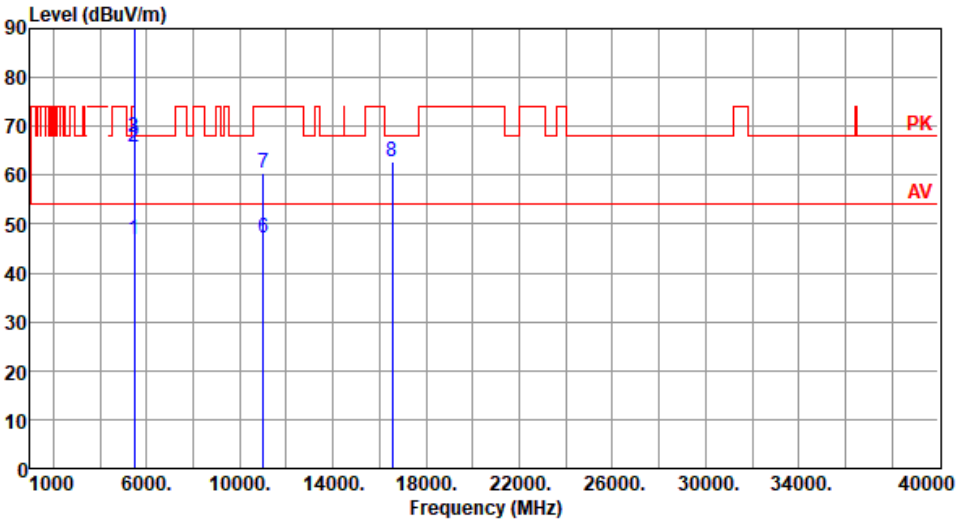
Modulation	ax (HE40)	Test Freq. (MHz)	5510
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	46.83	54.00	-7.17	39.58	7.25	Average	188	356
2		5460.00	65.55	74.00	-8.45	58.30	7.25	Peak	188	356
3		5470.00	67.74	68.20	-0.46	60.46	7.28	Peak	188	356
4	*	5510.00	104.50			97.11	7.39	Average	188	356
5	*	5510.00	117.01			109.62	7.39	Peak	188	356
6		11020.00	47.24	54.00	-6.76	30.43	16.81	Average	100	351
7		11020.00	60.35	74.00	-13.65	43.54	16.81	Peak	100	351
8		16530.00	62.91	68.20	-5.29	45.08	17.83	Peak	100	344

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

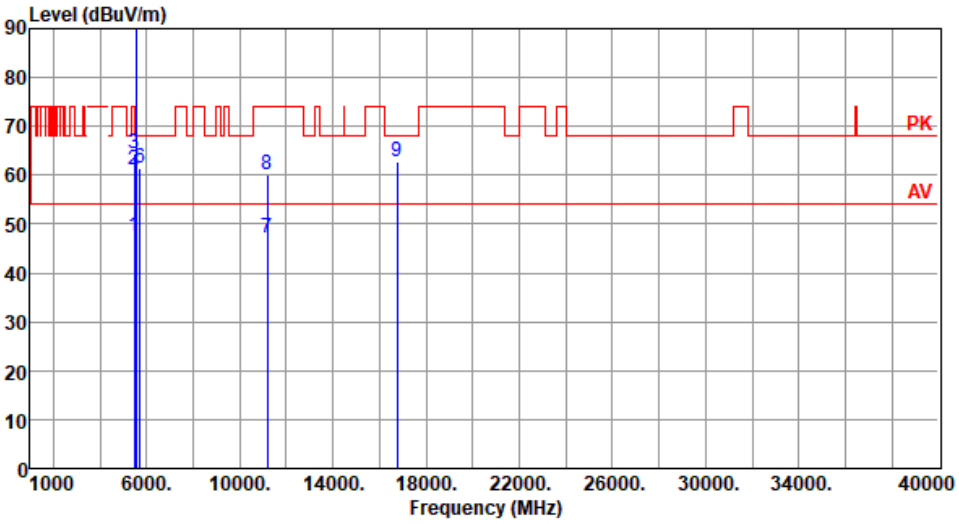
Modulation	ax (HE40)	Test Freq. (MHz)	5510
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	46.73	54.00	-7.27	39.48	7.25	Average	100	342
2		5460.00	65.71	74.00	-8.29	58.46	7.25	Peak	100	342
3		5470.00	67.80	68.20	-0.40	60.52	7.28	Peak	100	342
4	*	5510.00	104.40			97.01	7.39	Average	100	342
5	*	5510.00	116.44			109.05	7.39	Peak	100	342
6		11020.00	47.13	54.00	-6.87	30.32	16.81	Average	100	345
7		11020.00	60.28	74.00	-13.72	43.47	16.81	Peak	100	345
8		16530.00	62.84	68.20	-5.36	45.01	17.83	Peak	100	25

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

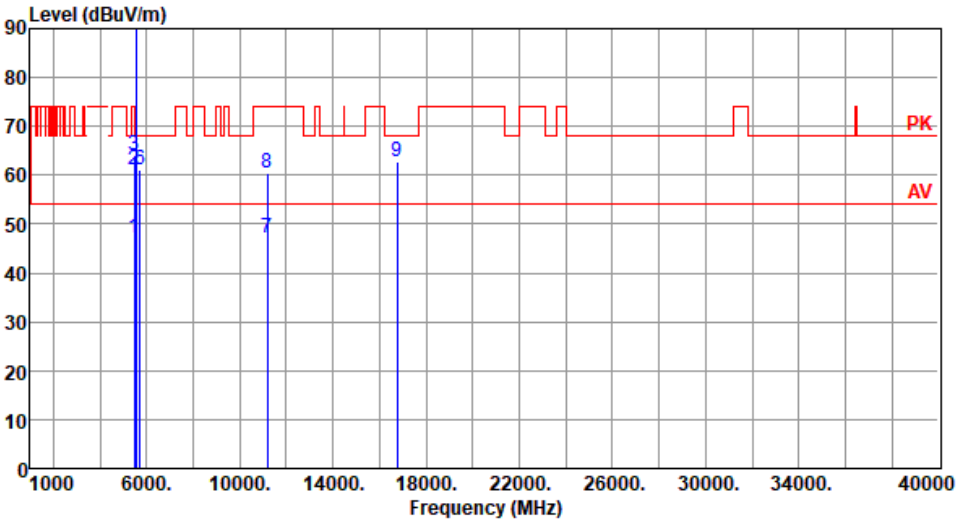
Modulation	ax (HE40)	Test Freq. (MHz)	5590
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	47.44	54.00	-6.56	40.19	7.25	Average	183	350
2		5460.00	61.15	74.00	-12.85	53.90	7.25	Peak	183	350
3		5470.00	64.52	68.20	-3.68	57.24	7.28	Peak	183	350
4	*	5590.00	106.14			98.66	7.48	Average	183	350
5	*	5590.00	118.64			111.16	7.48	Peak	183	350
6		5725.00	61.50	68.20	-6.70	53.84	7.66	Peak	183	350
7		11180.00	47.01	54.00	-6.99	30.45	16.56	Average	100	356
8		11180.00	60.22	74.00	-13.78	43.66	16.56	Peak	100	356
9		16770.00	62.87	68.20	-5.33	44.64	18.23	Peak	100	341

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

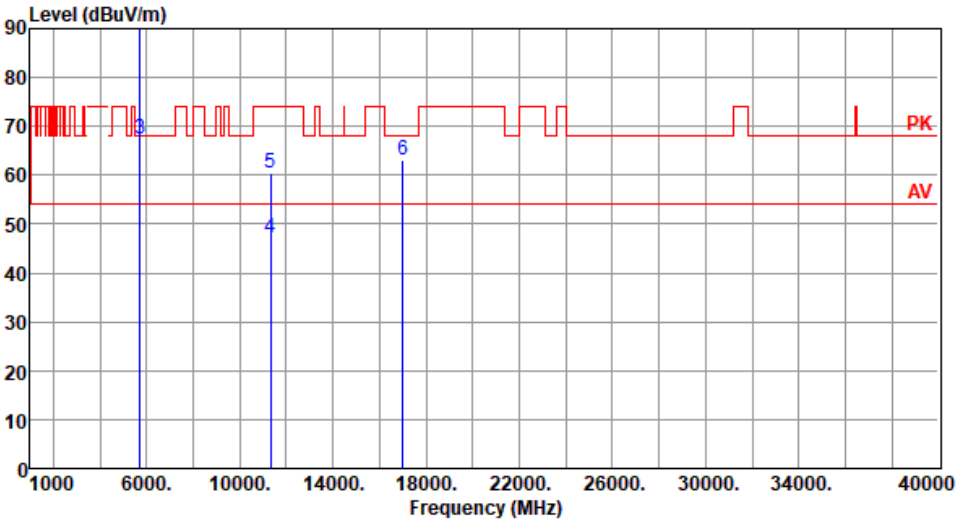
Modulation	ax (HE40)	Test Freq. (MHz)	5590
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	47.21	54.00	-6.79	39.96	7.25	Average	124	321
2		5460.00	61.03	74.00	-12.97	53.78	7.25	Peak	124	321
3		5470.00	64.05	68.20	-4.15	56.77	7.28	Peak	124	321
4	*	5590.00	105.38			97.90	7.48	Average	124	321
5	*	5590.00	118.06			110.58	7.48	Peak	124	321
6		5725.00	61.22	68.20	-6.98	53.56	7.66	Peak	124	321
7		11180.00	47.26	54.00	-6.74	30.70	16.56	Average	100	355
8		11180.00	60.31	74.00	-13.69	43.75	16.56	Peak	100	355
9		16770.00	62.74	68.20	-5.46	44.51	18.23	Peak	100	35

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

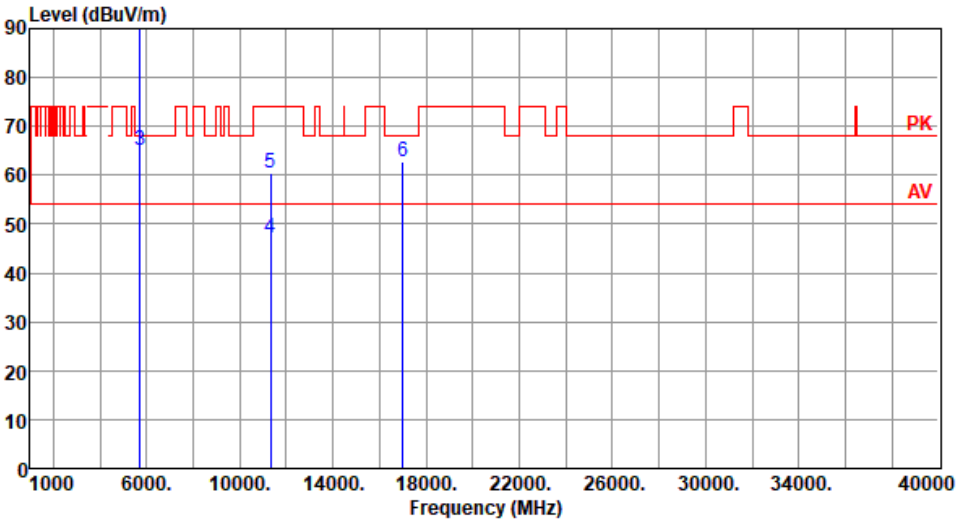
Modulation	ax (HE40)	Test Freq. (MHz)	5670
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5670.00	104.01			96.58	7.43	Average	115	6
2	*	5670.00	116.84			109.41	7.43	Peak	115	6
3		5725.00	67.39	68.20	-0.81	59.73	7.66	Peak	115	6
4		11340.00	47.25	54.00	-6.75	30.67	16.58	Average	100	349
5		11340.00	60.38	74.00	-13.62	43.80	16.58	Peak	100	349
6		17010.00	62.95	68.20	-5.25	44.29	18.66	Peak	100	344

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

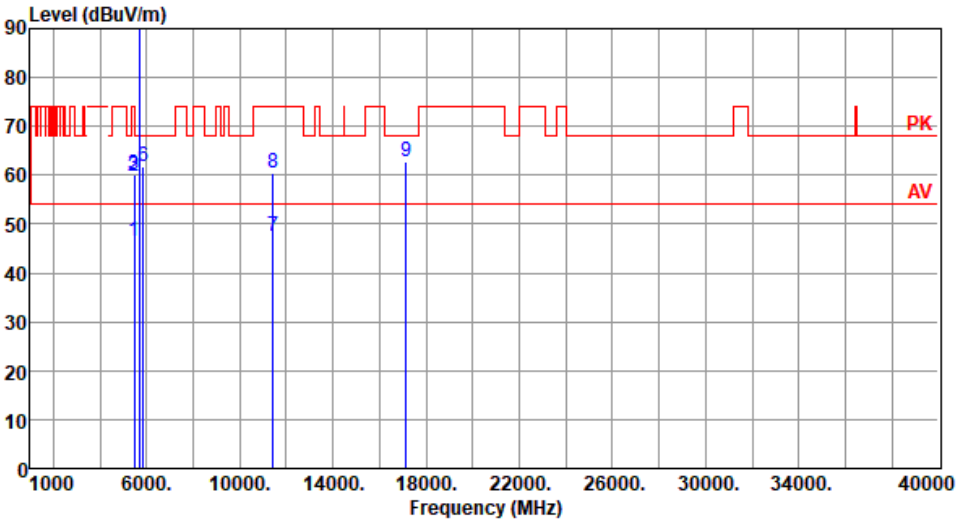
Modulation	ax (HE40)	Test Freq. (MHz)	5670
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5670.00	103.44			96.01	7.43	Average	133	314
2	*	5670.00	115.88			108.45	7.43	Peak	133	314
3		5725.00	65.16	68.20	-3.04	57.50	7.66	Peak	133	314
4		11340.00	47.22	54.00	-6.78	30.64	16.58	Average	100	352
5		11340.00	60.35	74.00	-13.65	43.77	16.58	Peak	100	352
6		17010.00	62.91	68.20	-5.29	44.25	18.66	Peak	100	44

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

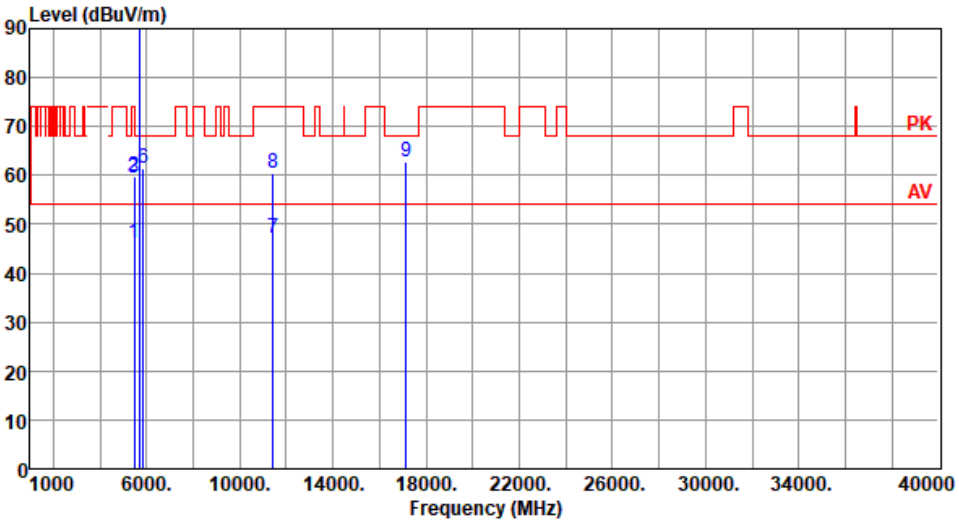
Modulation	ax (HE40)	Test Freq. (MHz)	5710
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	46.35	54.00	-7.65	39.10	7.25	Average	174	3
2		5460.00	59.93	74.00	-14.07	52.68	7.25	Peak	174	3
3		5470.00	60.18	68.20	-8.02	52.90	7.28	Peak	174	3
4	*	5710.00	107.81			100.25	7.56	Average	174	3
5	*	5710.00	120.91			113.35	7.56	Peak	174	3
6		5850.00	61.71	68.20	-6.49	53.69	8.02	Peak	174	3
7		11420.00	47.42	54.00	-6.58	30.69	16.73	Average	100	355
8		11420.00	60.45	74.00	-13.55	43.72	16.73	Peak	100	355
9		17130.00	62.88	68.20	-5.32	44.58	18.30	Peak	100	348

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

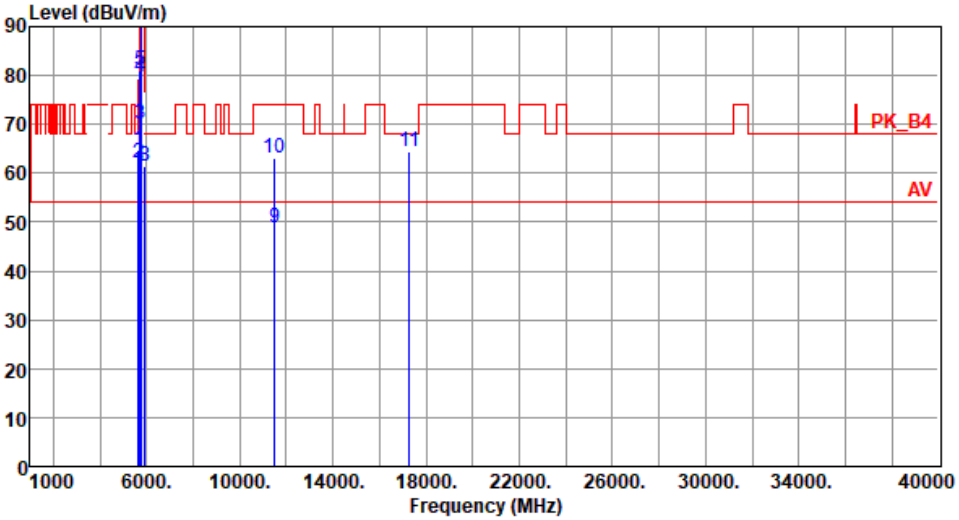
Modulation	ax (HE40)	**Test Freq. (MHz)**	5710
Polarization	Vertical	**Test Configuration**	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	46.21	54.00	-7.79	38.96	7.25	Average	125	324
2		5460.00	59.84	74.00	-14.16	52.59	7.25	Peak	125	324
3		5470.00	59.52	68.20	-8.68	52.24	7.28	Peak	125	324
4	*	5710.00	107.05			99.49	7.56	Average	125	324
5	*	5710.00	120.14			112.58	7.56	Peak	125	324
6		5850.00	61.44	68.20	-6.76	53.42	8.02	Peak	125	324
7		11420.00	47.29	54.00	-6.71	30.56	16.73	Average	100	344
8		11420.00	60.34	74.00	-13.66	43.61	16.73	Peak	100	344
9		17130.00	62.65	68.20	-5.55	44.35	18.30	Peak	100	28

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

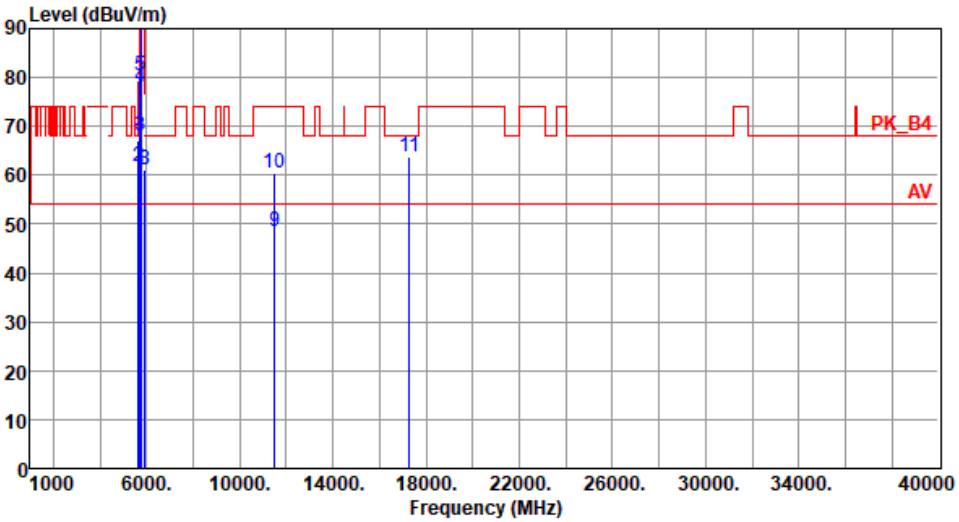
Modulation	ax (HE40)	Test Freq. (MHz)	5755
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5635.00	64.84	68.20	-3.36	57.42	7.42	Peak	173	1
2		5650.00	61.98	68.20	-6.22	54.59	7.39	Peak	173	1
3		5700.00	69.95	105.20	-35.25	62.45	7.50	Peak	173	1
4		5720.00	79.87	110.80	-30.93	72.25	7.62	Peak	173	1
5		5725.00	81.08	122.20	-41.12	73.42	7.66	Peak	173	1
6	*	5755.00	108.04			100.23	7.81	Average	173	1
7	*	5755.00	121.42			113.61	7.81	Peak	173	1
8		5925.00	61.36	68.20	-6.84	53.29	8.07	Peak	173	1
9		11510.00	48.86	54.00	-5.14	32.11	16.75	Average	100	348
10		11510.00	63.21	74.00	-10.79	46.46	16.75	Peak	100	348
11		17265.00	64.28	68.20	-3.92	45.47	18.81	Peak	100	339

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

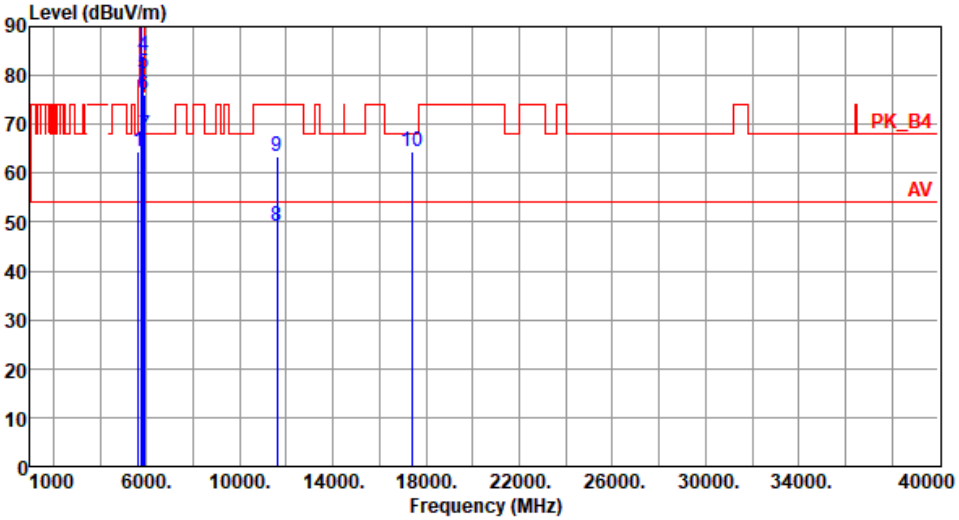
Modulation	ax (HE40)	Test Freq. (MHz)	5755
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5635.00	67.01	68.20	-1.19	59.59	7.42	Peak	167	343
2		5650.00	61.84	68.20	-6.36	54.45	7.39	Peak	167	343
3		5700.00	67.98	105.20	-37.22	60.48	7.50	Peak	167	343
4		5720.00	78.20	110.80	-32.60	70.58	7.62	Peak	167	343
5		5725.00	80.24	122.20	-41.96	72.58	7.66	Peak	167	343
6	*	5755.00	107.23			99.42	7.81	Average	167	343
7	*	5755.00	120.17			112.36	7.81	Peak	167	343
8		5925.00	61.26	68.20	-6.94	53.19	8.07	Peak	167	343
9		11510.00	48.64	54.00	-5.36	31.89	16.75	Average	100	352
10		11510.00	60.31	74.00	-13.69	43.56	16.75	Peak	100	352
11		17265.00	63.81	68.20	-4.39	45.00	18.81	Peak	100	32

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

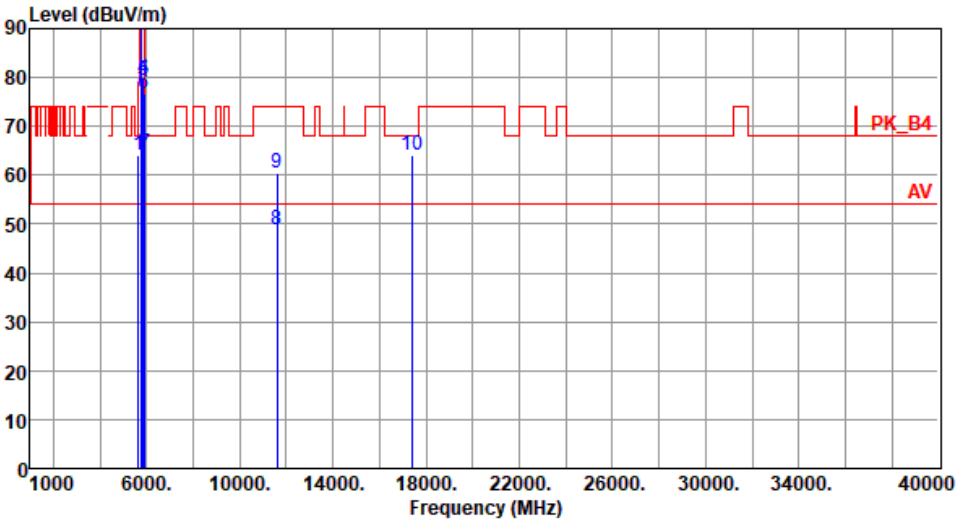
Modulation	ax (HE40)	Test Freq. (MHz)	5795
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	64.57	68.20	-3.63	57.18	7.39	Peak	171	2
2	*	5795.00	112.90			105.00	7.90	Average	171	2
3	*	5795.00	125.05			117.15	7.90	Peak	171	2
4		5850.00	84.12	122.20	-38.08	76.10	8.02	Peak	171	2
5		5855.00	80.50	110.80	-30.30	72.48	8.02	Peak	171	2
6		5875.00	76.21	105.20	-28.99	68.18	8.03	Peak	171	2
7		5925.00	67.66	68.20	-0.54	59.59	8.07	Peak	171	2
8		11590.00	49.05	54.00	-4.95	32.48	16.57	Average	105	306
9		11590.00	63.36	74.00	-10.64	46.79	16.57	Peak	105	306
10		17385.00	64.39	68.20	-3.81	45.04	19.35	Peak	100	349

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

Modulation	ax (HE40)	Test Freq. (MHz)	5795
Polarization	Vertical	Test Configuration	1

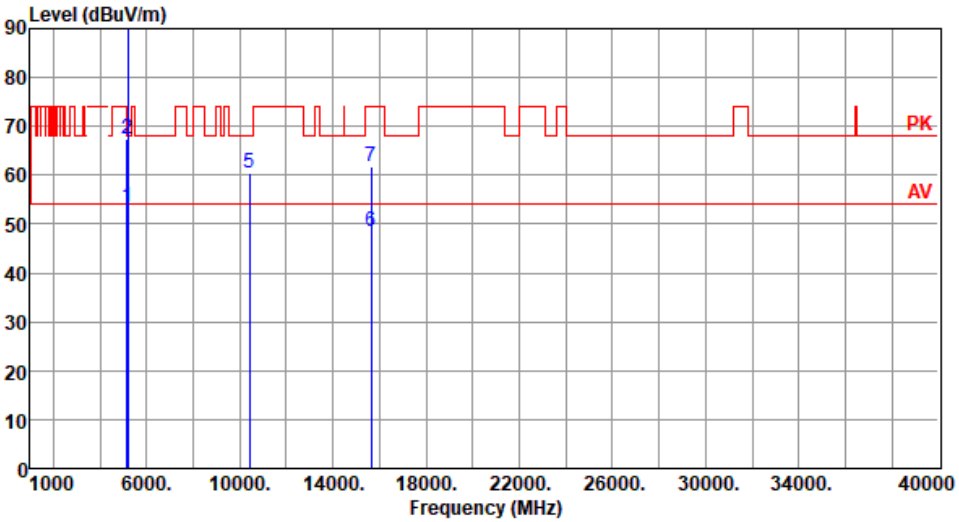


		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	63.93	68.20	-4.27	56.54	7.39	Peak	100	348
2	*	5795.00	110.70			102.80	7.90	Average	100	348
3	*	5795.00	122.10			114.20	7.90	Peak	100	348
4		5850.00	79.84	122.20	-42.36	71.82	8.02	Peak	100	348
5		5855.00	79.31	110.80	-31.49	71.29	8.02	Peak	100	348
6		5875.00	76.76	105.20	-28.44	68.73	8.03	Peak	100	348
7		5925.00	64.39	68.20	-3.81	56.32	8.07	Peak	100	348
8		11590.00	48.78	54.00	-5.22	32.21	16.57	Average	118	345
9		11590.00	60.45	74.00	-13.55	43.88	16.57	Peak	118	345
10		17385.00	63.93	68.20	-4.27	44.58	19.35	Peak	100	328

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

3.5.4 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax (HE80)

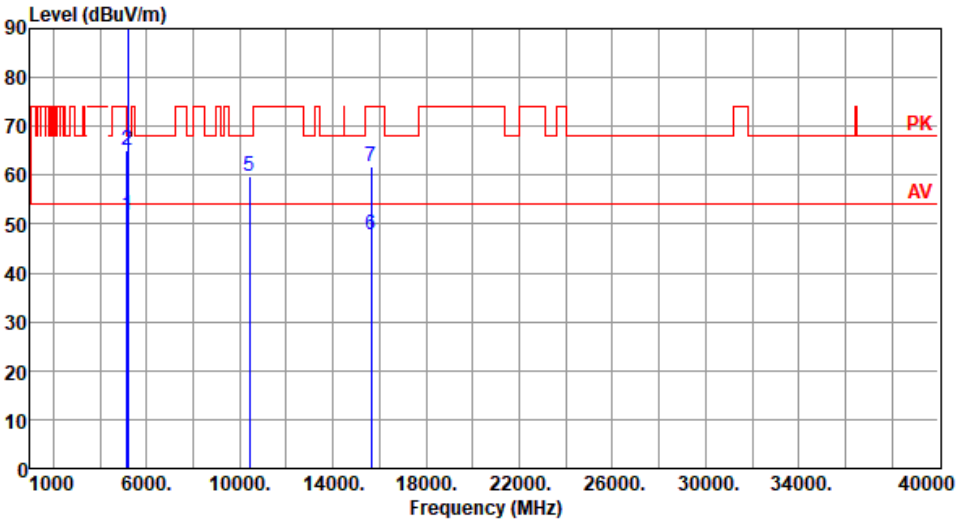
Modulation	ax (HE80)	Test Freq. (MHz)	5210
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	53.31	54.00	-0.69	45.99	7.32	Average	176	12
2		5150.00	67.57	74.00	-6.43	60.25	7.32	Peak	176	12
3	*	5210.00	102.50			95.50	7.00	Average	176	12
4	*	5210.00	114.77			107.77	7.00	Peak	176	12
5		10420.00	60.32	68.20	-7.88	44.01	16.31	Peak	100	59
6		15630.00	48.49	54.00	-5.51	31.41	17.08	Average	100	88
7		15630.00	61.68	74.00	-12.32	44.60	17.08	Peak	100	88

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

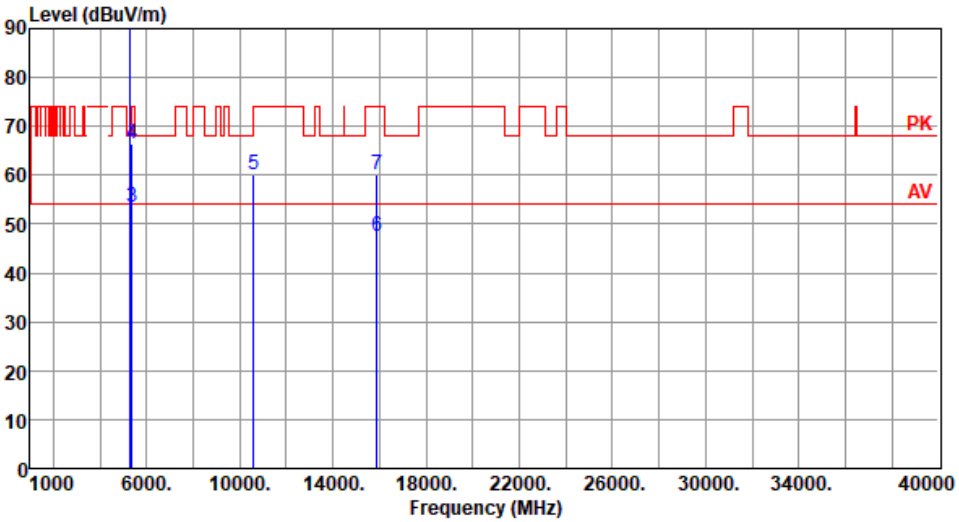
Modulation	ax (HE80)	Test Freq. (MHz)	5210
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5150.00	51.77	54.00	-2.23	44.45	7.32	Average	128	338
2		5150.00	64.96	74.00	-9.04	57.64	7.32	Peak	128	338
3	*	5210.00	100.19			93.19	7.00	Average	231	339
4	*	5210.00	112.60			105.60	7.00	Peak	231	339
5		10420.00	59.81	68.20	-8.39	43.50	16.31	Peak	105	334
6		15630.00	47.95	54.00	-6.05	30.87	17.08	Average	100	346
7		15630.00	61.84	74.00	-12.16	44.76	17.08	Peak	100	346

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

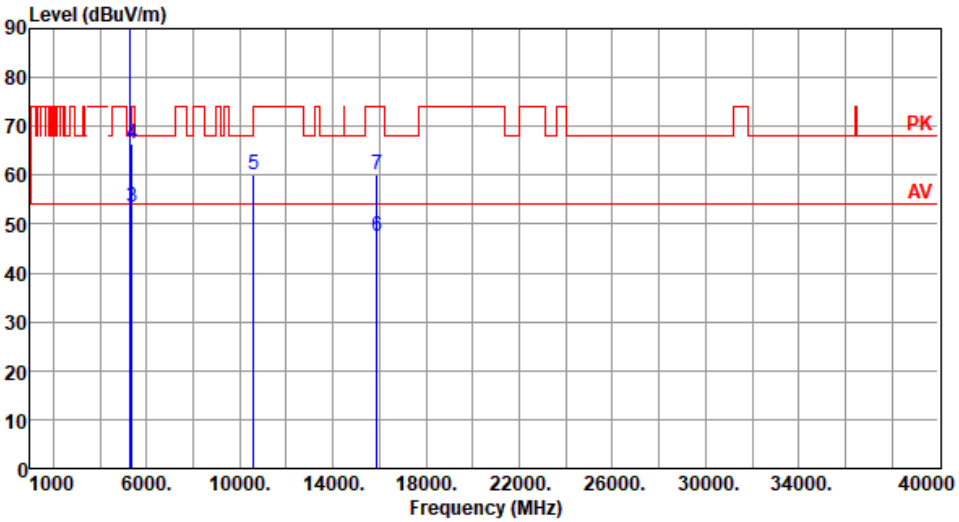
Modulation	ax (HE80)	Test Freq. (MHz)	5290
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5290.00	104.92			98.02	6.90	Average	179	345
2	*	5290.00	117.44			110.54	6.90	Peak	179	345
3		5350.00	53.51	54.00	-0.49	46.66	6.85	Average	179	345
4		5350.00	66.40	74.00	-7.60	59.55	6.85	Peak	179	345
5		10580.00	60.16	68.20	-8.04	43.79	16.37	Peak	100	326
6		15870.00	47.62	54.00	-6.38	30.98	16.64	Average	100	345
7		15870.00	60.25	74.00	-13.75	43.61	16.64	Peak	100	345

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

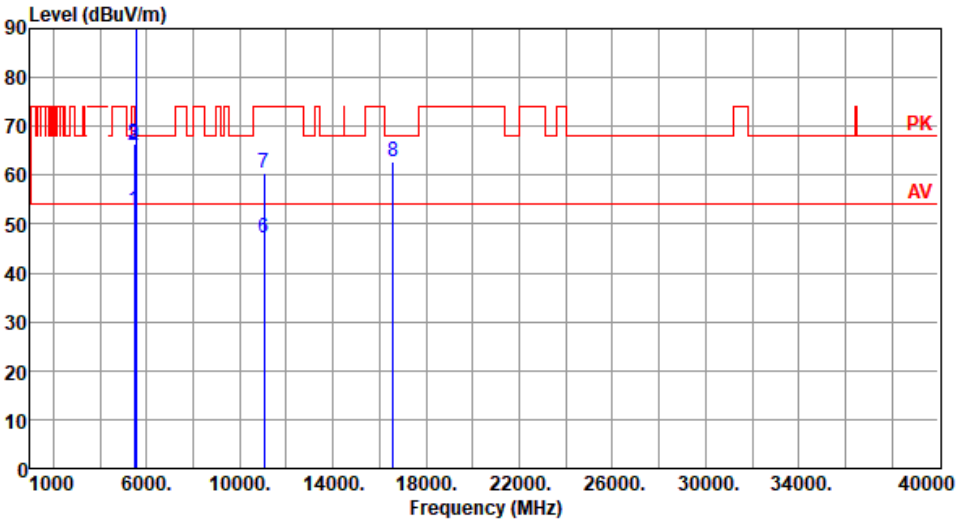
Modulation	ax (HE80)	Test Freq. (MHz)	5290
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5290.00	103.82			96.92	6.90	Average	221	345
2	*	5290.00	116.31			109.41	6.90	Peak	221	345
3		5350.00	53.63	54.00	-0.37	46.78	6.85	Average	220	343
4		5350.00	66.48	74.00	-7.52	59.63	6.85	Peak	220	343
5		10580.00	60.14	68.20	-8.06	43.77	16.37	Peak	100	356
6		15870.00	47.39	54.00	-6.61	30.75	16.64	Average	100	56
7		15870.00	60.18	74.00	-13.82	43.54	16.64	Peak	100	56

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

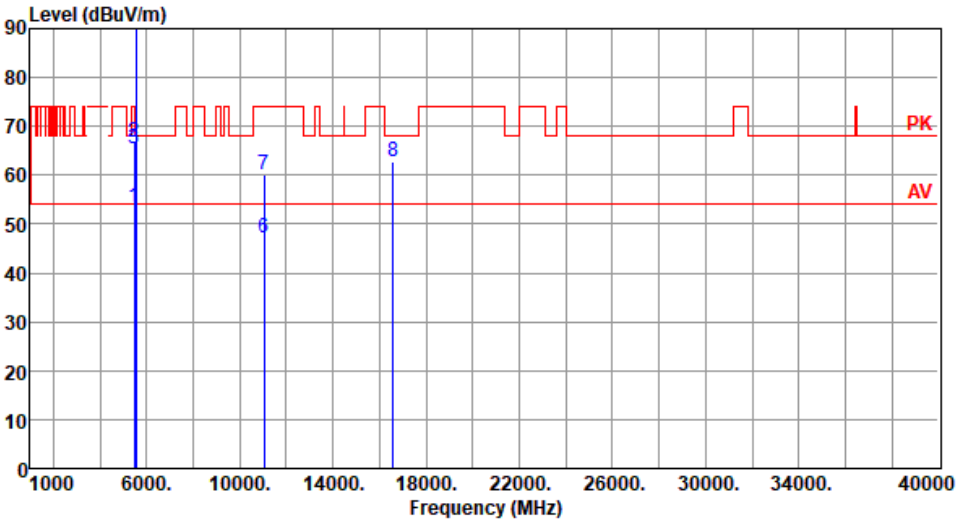
Modulation	ax (HE80)	Test Freq. (MHz)	5530
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	52.70	54.00	-1.30	45.45	7.25	Average	174	345
2		5460.00	65.99	74.00	-8.01	58.74	7.25	Peak	174	345
3		5470.00	66.32	68.20	-1.88	59.04	7.28	Peak	174	345
4	*	5530.00	103.22			95.79	7.43	Average	174	345
5	*	5530.00	115.84			108.41	7.43	Peak	174	345
6		11060.00	47.19	74.00	-26.81	30.44	16.75	Peak	100	294
7		11060.00	60.28	74.00	-13.72	43.53	16.75	Peak	100	294
8		16590.00	62.85	68.20	-5.35	44.64	18.21	Peak	100	48

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

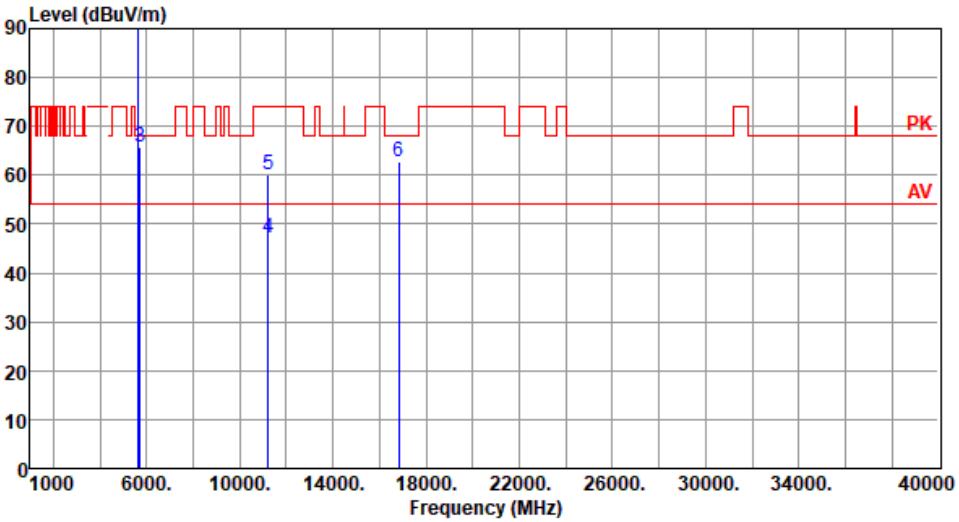
Modulation	ax (HE80)	Test Freq. (MHz)	5530
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	53.44	54.00	-0.56	46.19	7.25	Average	175	346
2		5460.00	66.84	74.00	-7.16	59.59	7.25	Peak	175	346
3		5470.00	65.40	68.20	-2.80	58.12	7.28	Peak	175	346
4	*	5530.00	102.71			95.28	7.43	Average	174	347
5	*	5530.00	114.94			107.51	7.43	Peak	174	347
6		11060.00	47.11	54.00	-6.89	30.36	16.75	Average	100	358
7		11060.00	60.24	74.00	-13.76	43.49	16.75	Peak	100	358
8		16590.00	62.81	68.20	-5.39	44.60	18.21	Peak	100	35

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

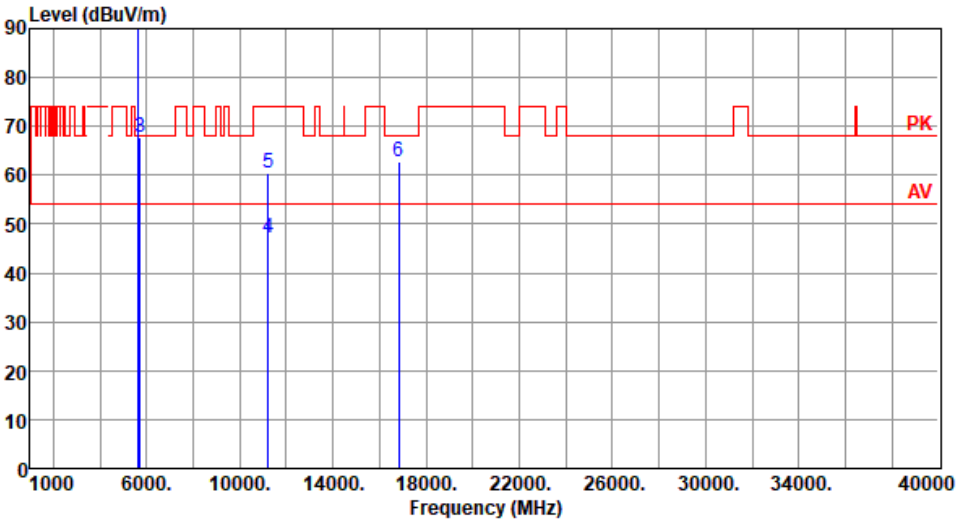
Modulation	ax (HE80)	Test Freq. (MHz)	5610
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5610.00	105.11			97.64	7.47	Average	173	348
2	*	5610.00	118.87			111.40	7.47	Peak	173	348
3		5725.00	65.64	68.20	-2.56	57.98	7.66	Peak	173	348
4		11220.00	47.12	54.00	-6.88	30.60	16.52	Average	100	341
5		11220.00	60.25	74.00	-13.75	43.73	16.52	Peak	100	341
6		16830.00	62.79	68.20	-5.41	44.45	18.34	Peak	100	344

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

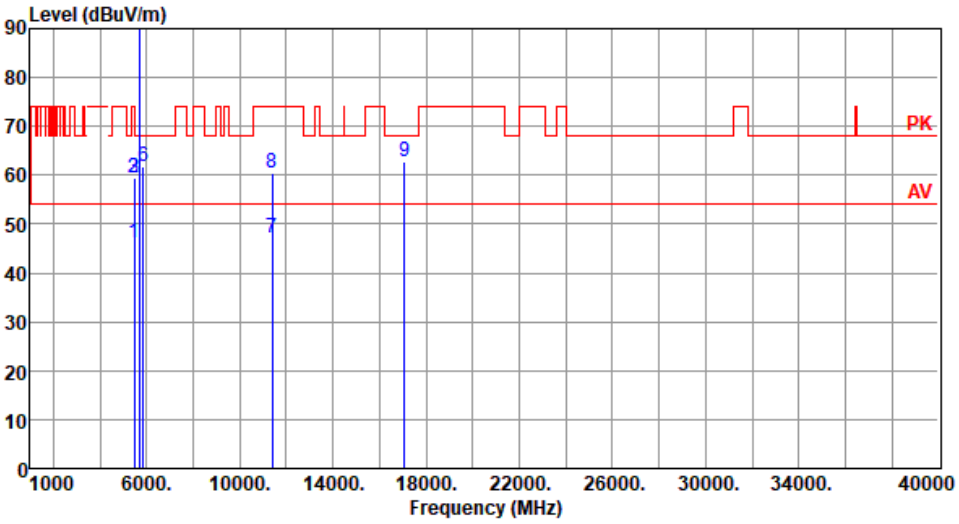
Modulation	ax (HE80)	Test Freq. (MHz)	5610
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	*	5610.00	104.38			96.91	7.47	Average	175	345
2	*	5610.00	117.22			109.75	7.47	Peak	175	345
3		5725.00	67.67	68.20	-0.53	60.01	7.66	Peak	175	345
4		11220.00	47.28	54.00	-6.72	30.76	16.52	Average	100	324
5		11220.00	60.36	74.00	-13.64	43.84	16.52	Peak	100	324
6		16830.00	62.75	68.20	-5.45	44.41	18.34	Peak	101	31

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

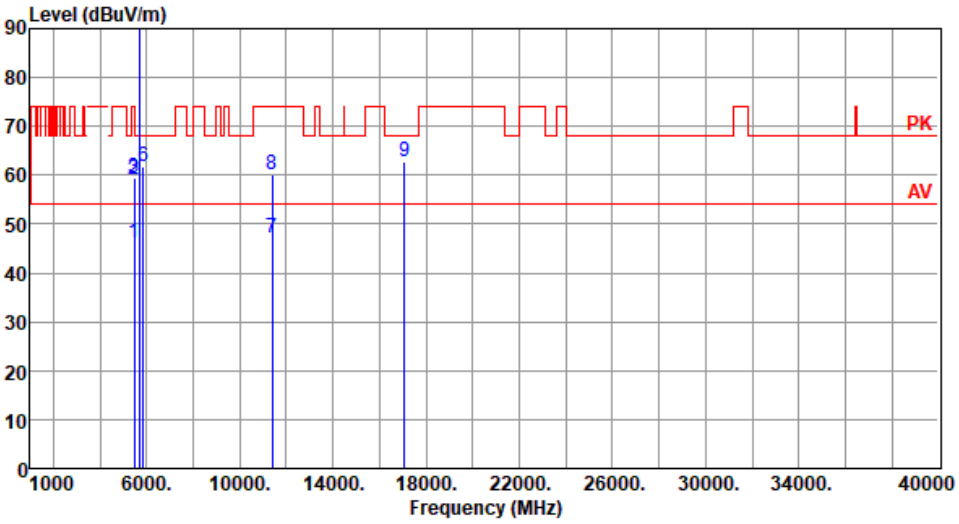
Modulation	ax (HE80)	Test Freq. (MHz)	5690
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	46.21	54.00	-7.79	38.96	7.25	Average	181	4
2		5460.00	59.50	74.00	-14.50	52.25	7.25	Peak	181	4
3		5470.00	59.57	68.20	-8.63	52.29	7.28	Peak	181	4
4	*	5690.00	105.43			97.96	7.47	Average	181	4
5	*	5690.00	118.84			111.37	7.47	Peak	181	4
6		5850.00	61.86	68.20	-6.34	53.84	8.02	Peak	181	4
7		11380.00	47.19	54.00	-6.81	30.51	16.68	Average	100	351
8		11380.00	60.31	74.00	-13.69	43.63	16.68	Peak	100	351
9		17070.00	62.91	68.20	-5.29	44.53	18.38	Peak	100	352

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

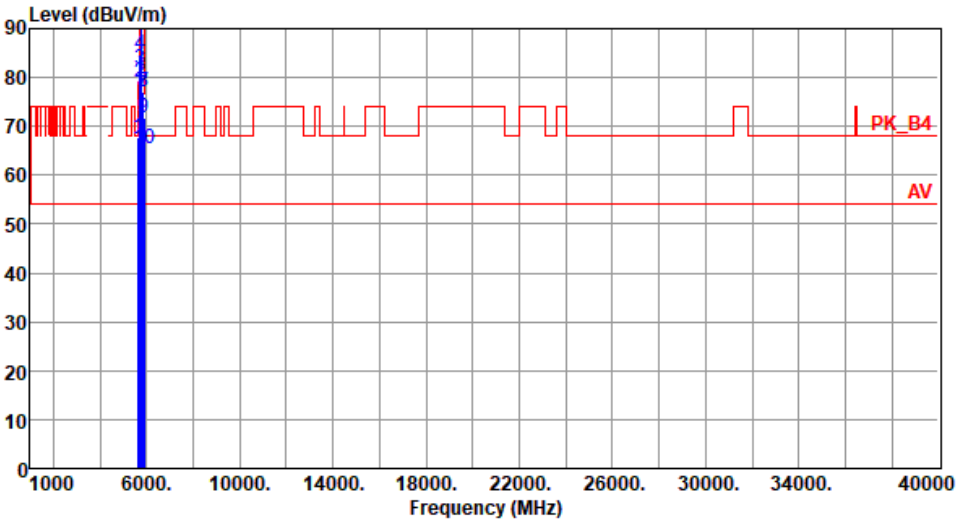
Modulation	ax (HE80)	Test Freq. (MHz)	5690
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5460.00	46.03	54.00	-7.97	38.78	7.25	Average	176	349
2		5460.00	59.22	74.00	-14.78	51.97	7.25	Peak	176	349
3		5470.00	59.35	68.20	-8.85	52.07	7.28	Peak	176	349
4	*	5690.00	104.62			97.15	7.47	Average	176	349
5	*	5690.00	118.06			110.59	7.47	Peak	176	349
6		5850.00	61.69	68.20	-6.51	53.67	8.02	Peak	176	349
7		11380.00	47.02	54.00	-6.98	30.34	16.68	Average	106	339
8		11380.00	60.25	74.00	-13.75	43.57	16.68	Peak	106	339
9		17070.00	62.84	68.20	-5.36	44.46	18.38	Peak	100	21

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

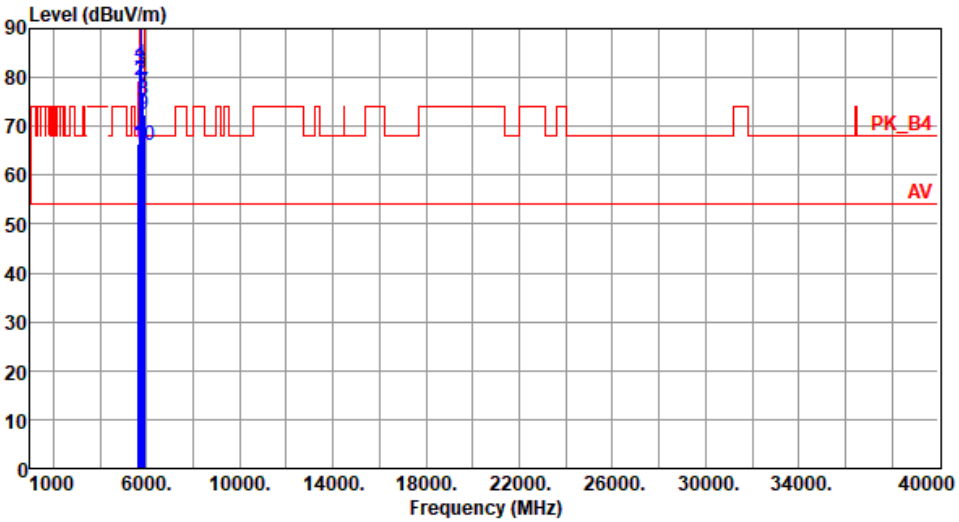
Modulation	ax (HE80)	Test Freq. (MHz)	5775
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	67.87	68.20	-0.33	60.48	7.39	Peak	176	344
2		5700.00	78.99	105.20	-26.21	71.49	7.50	Peak	176	344
3		5720.00	81.83	110.80	-28.97	74.21	7.62	Peak	176	344
4		5725.00	84.73	122.20	-37.47	77.07	7.66	Peak	176	344
5	*	5775.00	108.71			100.85	7.86	Average	176	344
6	*	5775.00	121.95			114.09	7.86	Peak	176	344
7		5850.00	77.06	122.20	-45.14	69.04	8.02	Peak	176	344
8		5855.00	76.92	110.80	-33.88	68.90	8.02	Peak	176	344
9		5875.00	71.84	105.20	-33.36	63.81	8.03	Peak	176	344
10		5925.00	65.49	68.20	-2.71	57.42	8.07	Peak	176	344

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

Modulation	ax (HE80)	Test Freq. (MHz)	5775
Polarization	Vertical	Test Configuration	1

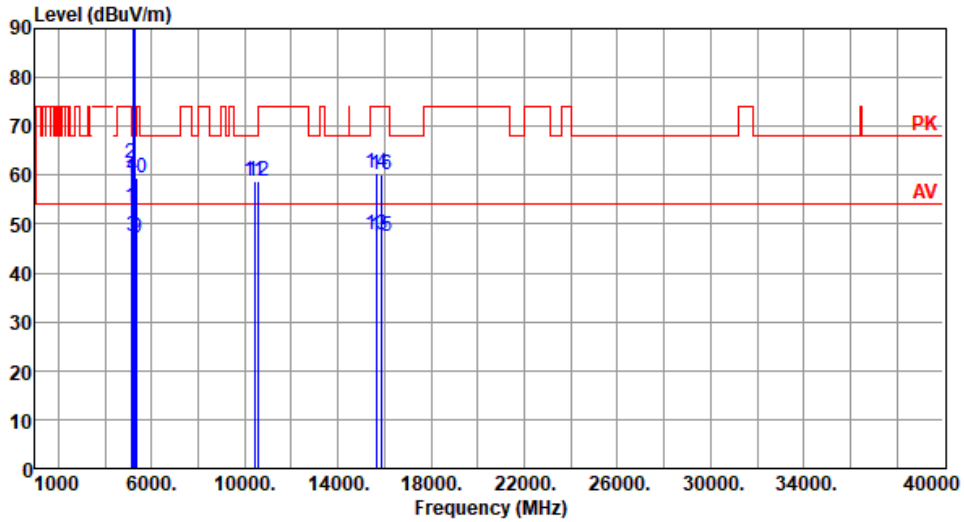


		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5650.00	66.58	68.20	-1.62	59.19	7.39	Peak	189	345
2		5700.00	79.51	105.20	-25.69	72.01	7.50	Peak	189	345
3		5720.00	81.78	110.80	-29.02	74.16	7.62	Peak	189	345
4		5725.00	82.54	122.20	-39.66	74.88	7.66	Peak	189	345
5	*	5775.00	108.12			100.26	7.86	Average	189	345
6	*	5775.00	120.82			112.96	7.86	Peak	189	345
7		5850.00	77.14	122.20	-45.06	69.12	8.02	Peak	189	345
8		5855.00	75.23	110.80	-35.57	67.21	8.02	Peak	189	345
9		5875.00	72.51	105.20	-32.69	64.48	8.03	Peak	189	345
10		5925.00	66.07	68.20	-2.13	58.00	8.07	Peak	189	345

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax (HE80+80)

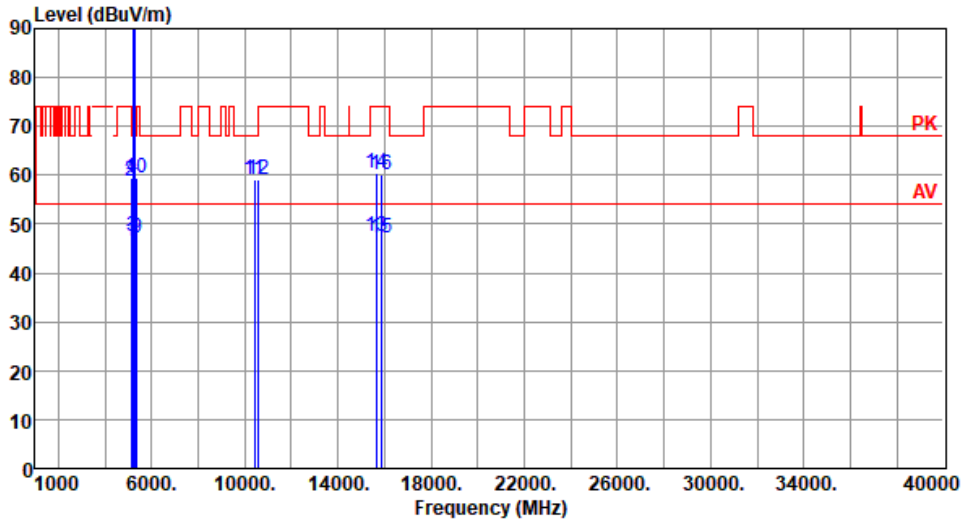
Modulation	ax (HE80+80)	Test Freq. (MHz)	5210 + 5290
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5130.00	53.55	54.00	-0.45	46.24	7.31	Average	188	5
2		5130.00	62.46	74.00	-11.54	55.15	7.31	Peak	188	5
3		5150.00	47.65	54.00	-6.35	40.33	7.32	Average	188	5
4		5150.00	59.77	74.00	-14.23	52.45	7.32	Peak	188	5
5	*	5210.00	93.56			86.56	7.00	Average	188	5
6	*	5210.00	106.19			99.19	7.00	Peak	188	5
7	*	5290.00	93.87			86.97	6.90	Average	111	348
8	*	5290.00	105.30			98.40	6.90	Peak	111	348
9		5350.00	47.14	54.00	-6.86	40.29	6.85	Average	111	348
10		5350.00	59.31	74.00	-14.69	52.46	6.85	Peak	111	348
11		10420.00	58.87	68.20	-9.33	42.56	16.31	Peak	100	30
12		10580.00	58.87	68.20	-9.33	42.50	16.37	Peak	100	60
13		15630.00	47.66	54.00	-6.34	30.58	17.08	Average	100	50
14		15630.00	60.55	74.00	-13.45	43.47	17.08	Peak	100	50
15		15870.00	47.34	54.00	-6.66	30.70	16.64	Average	100	60
16		15870.00	60.01	74.00	-13.99	43.37	16.64	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

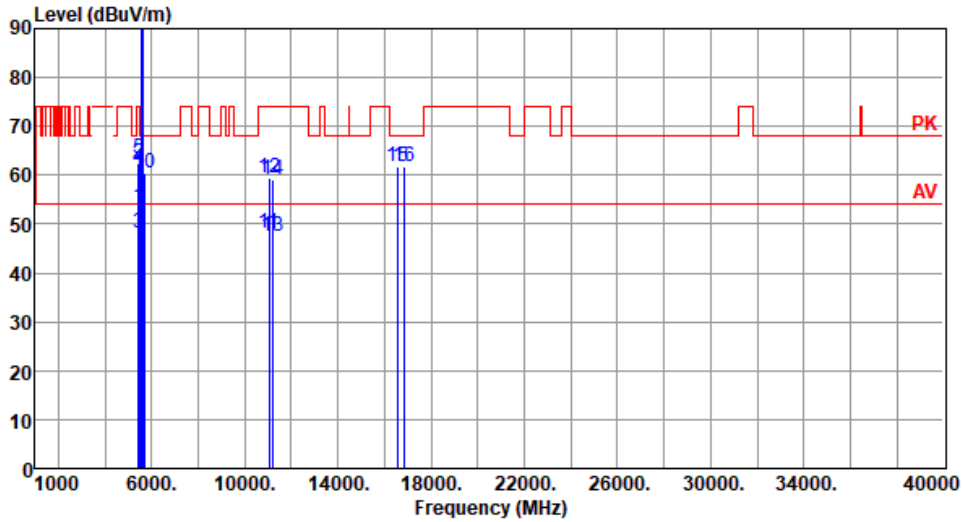
Modulation	ax (HE80+80)	Test Freq. (MHz)	5210 + 5290
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5130.00	46.37	54.00	-7.63	39.06	7.31	Average	136	16
2		5130.00	58.79	74.00	-15.21	51.48	7.31	Peak	136	16
3		5150.00	47.62	54.00	-6.38	40.30	7.32	Average	136	16
4		5150.00	59.54	74.00	-14.46	52.22	7.32	Peak	136	16
5	*	5210.00	93.82			86.82	7.00	Average	136	16
6	*	5210.00	105.44			98.44	7.00	Peak	136	16
7	*	5290.00	90.16			83.26	6.90	Average	115	334
8	*	5290.00	102.07			95.17	6.90	Peak	115	334
9		5350.00	47.10	54.00	-6.90	40.25	6.85	Average	115	334
10		5350.00	59.41	74.00	-14.59	52.56	6.85	Peak	115	334
11		10420.00	58.96	68.20	-9.24	42.65	16.31	Peak	100	20
12		10580.00	58.96	68.20	-9.24	42.59	16.37	Peak	100	90
13		15630.00	47.54	54.00	-6.46	30.46	17.08	Average	100	80
14		15630.00	60.60	74.00	-13.40	43.52	17.08	Peak	100	80
15		15870.00	47.30	54.00	-6.70	30.66	16.64	Average	100	55
16		15870.00	60.05	74.00	-13.95	43.41	16.64	Peak	100	55

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

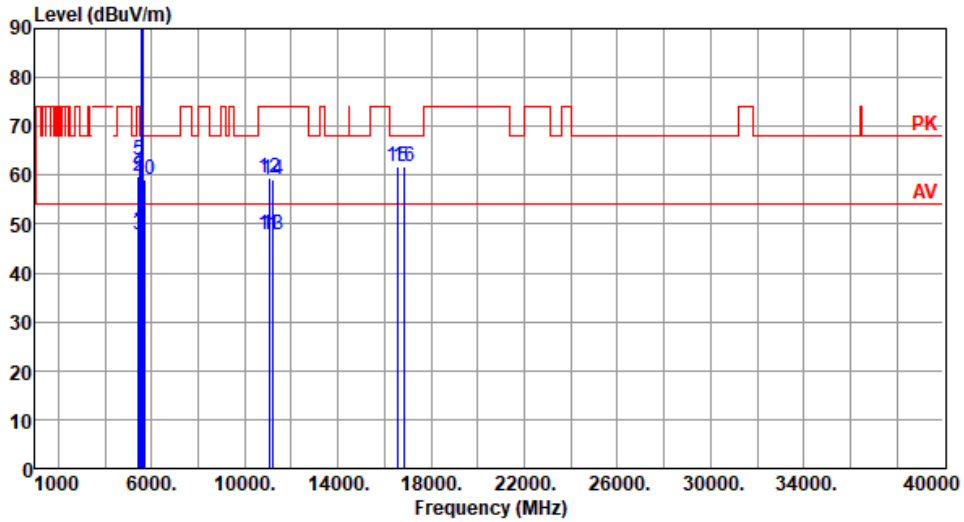
Modulation	ax (HE80+80)	Test Freq. (MHz)	5530 + 5610
Polarization	Horizontal	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5450.00	53.58	54.00	-0.42	46.36	7.22	Average	170	352
2		5450.00	62.49	74.00	-11.51	55.27	7.22	Peak	170	352
3		5460.00	48.09	54.00	-5.91	40.84	7.25	Average	170	352
4		5460.00	61.58	74.00	-12.42	54.33	7.25	Peak	170	352
5		5470.00	63.33	68.20	-4.87	56.05	7.28	Peak	170	352
6	*	5530.00	97.00			89.57	7.43	Average	170	352
7	*	5530.00	109.36			101.93	7.43	Peak	170	352
8	*	5610.00	96.38			88.91	7.47	Average	205	353
9	*	5610.00	107.71			100.24	7.47	Peak	205	353
10		5725.00	60.54	68.20	-7.66	52.88	7.66	Peak	205	353
11		11060.00	48.01	54.00	-5.99	31.26	16.75	Average	100	40
12		11060.00	59.34	74.00	-14.66	42.59	16.75	Peak	100	40
13		11220.00	47.38	54.00	-6.62	30.86	16.52	Average	100	50
14		11220.00	59.01	74.00	-14.99	42.49	16.52	Peak	100	50
15		16590.00	61.72	68.20	-6.48	43.51	18.21	Peak	100	55
16		16830.00	61.76	68.20	-6.44	43.42	18.34	Peak	100	70

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

Modulation	ax (HE80+80)	Test Freq. (MHz)	5530 + 5610
Polarization	Vertical	Test Configuration	1



		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1		5450.00	48.83	54.00	-5.17	41.61	7.22	Average	136	20
2		5450.00	59.74	74.00	-14.26	52.52	7.22	Peak	136	20
3		5460.00	47.83	54.00	-6.17	40.58	7.25	Average	136	348
4		5460.00	60.72	74.00	-13.28	53.47	7.25	Peak	136	348
5		5470.00	63.01	68.20	-5.19	55.73	7.28	Peak	136	348
6	*	5530.00	96.64			89.21	7.43	Average	136	348
7	*	5530.00	108.84			101.41	7.43	Peak	136	348
8	*	5610.00	93.23			85.76	7.47	Average	100	314
9	*	5610.00	105.17			97.70	7.47	Peak	100	314
10		5725.00	59.24	68.20	-8.96	51.58	7.66	Peak	100	314
11		11060.00	47.98	54.00	-6.02	31.23	16.75	Average	100	70
12		11060.00	59.31	74.00	-14.69	42.56	16.75	Peak	100	70
13		11220.00	47.73	54.00	-6.27	31.21	16.52	Average	100	30
14		11220.00	59.20	74.00	-14.80	42.68	16.52	Peak	100	30
15		16590.00	61.69	68.20	-6.51	43.48	18.21	Peak	100	20
16		16830.00	61.90	68.20	-6.30	43.56	18.34	Peak	100	40

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3:"*" is Peak / Average value of fundamental frequency

3.6 Frequency Stability

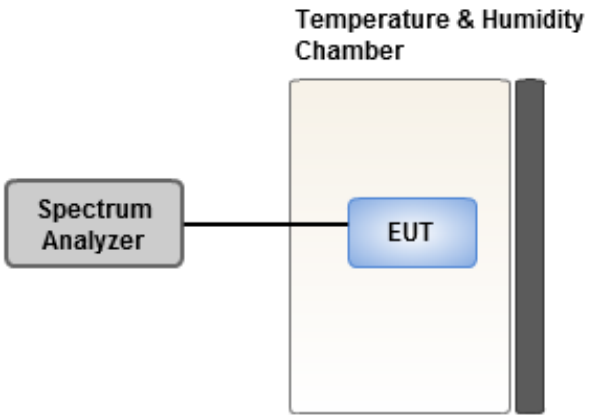
3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.6.2 Test Procedures

1. The EUT is installed in an environment test chamber with external power source.
2. Set the chamber to operate at 20 centigrade and external power source to output at nominal voltage of EUT.
3. A sufficient stabilization period at each temperature is used prior to each frequency measurement.
4. When temperature is stabled, measure the frequency stability.
5. The test shall be performed under normal and extreme condition for temperature and voltage.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

Frequency: 5320 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	-1.93	-1.83	-2.24	-1.95
T20°CVmin	-1.86	-1.70	-1.86	-1.05
T50CVnom	-3.12	-2.64	-3.07	-3.06
T40°CVnom	-3.45	-3.77	-3.31	-3.13
T30°CVnom	-2.53	-2.39	-2.20	-2.77
T20°CVnom	-2.37	-2.12	-2.28	-2.32
T10°CVnom	-1.76	-1.33	-1.50	-1.70
T0°CVnom	-1.73	-1.48	-2.13	-1.46
T-10°CVnom	-0.46	0.20	-0.04	-0.25
T-20°CVnom	0.47	0.75	0.37	-0.05
T-30°CVnom	2.83	3.30	3.25	3.04
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

Frequency: 5785 MHz	Frequency Drift (ppm)			
Temperature (°C)	0 minute	2 minutes	5 minutes	10 minutes
T20°CVmax	-1.32	-1.14	-0.73	-1.64
T20°CVmin	-1.82	-1.10	-2.00	-1.98
T50CVnom	-2.59	-1.94	-2.46	-2.14
T40°CVnom	-3.12	-3.05	-2.85	-3.04
T30°CVnom	-2.75	-2.16	-2.57	-2.46
T20°CVnom	-2.43	-2.37	-2.32	-2.18
T10°CVnom	-1.42	-1.24	-1.00	-1.07
T0°CVnom	-1.09	-0.87	-0.91	-1.30
T-10°CVnom	-0.18	0.56	0.18	-0.42
T-20°CVnom	0.51	0.49	0.92	0.62
T-30°CVnom	2.87	2.97	3.28	2.80
Vnom [Vac]: 120		Vmax [Vac]: 138		Vmin [Vac]: 102
Tnom [°C]: 20		Tmax [°C]: 50		Tmin [°C]: -30

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website http://www.icertifi.com.tw.

Linkou	**Kwei Shan**	**Kwei Shan Site II**
Tel: 886-2-2601-1640	Tel: 886-3-271-8666	Tel: 886-3-271-8640
No. 30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan, R.O.C.	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.	No. 14-1, Lane 19, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666
Fax: 886-3-318-0155
Email: ICC_Service@icertifi.com.tw

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