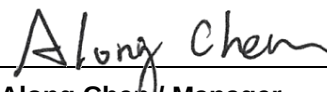


FCC C2PC Test Report

FCC ID : 2AVVV-MW09
Equipment : Outdoor Wireless Access Point
Model No. : MW09
Brand Name : meter
Applicant : Meter, Inc
Address : 548 Market St San Francisco CA 94104 USA
Standard : 47 CFR FCC Part 15.407
Received Date : Feb. 09, 2026
Tested Date : Feb. 13 ~ Mar. 20, 2026

We, International Certification Corporation, 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 shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:


Along Chen / Manager

Approved by:

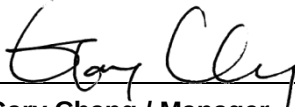

Gary Chang / Manager

Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Local Support Equipment List	9
1.3	Test Setup Chart	9
1.4	The Equipment List	10
1.5	Test Standards	11
1.6	Reference Guidance	11
1.7	Deviation from Test Standard and Measurement Procedure.....	11
1.8	Measurement Uncertainty	11
2	TEST CONFIGURATION.....	12
2.1	Testing Facility	12
2.2	The Worst Test Modes and Channel Details	13
3	TRANSMITTER TEST RESULTS	14
3.1	Emission Bandwidth	14
3.2	Conducted Output Power	15
3.3	Power Spectral Density	17
3.4	Unwanted Emissions.....	19
4	TEST LABORATORY INFORMATION	22
 Appendix A. Emission Bandwidth		
Appendix B. Conducted Output Power		
Appendix C. Power Spectral Density		
Appendix D. Unwanted Emissions		

Release Record

Report No.	Version	Description	Issued Date
FR4N0501-01AN	Rev. 01	Initial issue	Apr. 10, 2026

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.407(b) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 5925.00MHz 65.07 (Margin -3.13dB) - 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)	Conducted Output Power	Max Power [dBm]: <i>Non-beamforming mode</i> 5150~5250MHz: 9.36 5725~5850MHz: 22.90 <i>Beamforming mode</i> 5150~5250MHz: 6.35 5725~5850MHz: 19.82	Pass
15.407(a)	Power Spectral Density	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

This is a Class II Permissive Change report (C2PC).

The modification is adding operation mode P to MP for Antenna listed in section 1.1.2

1.1.1 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]	2	6-54 Mbps
5150-5250 5250-5350 5470-5725 5725-5850	n (HT20) ac (VHT20) ax (HE20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	2	MCS 0-15 MCS 0-9 MCS 0-11
5150-5250 5250-5350 5470-5725 5725-5850	n (HT40) ac (VHT40) ax (HE40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	2	MCS 0-15 MCS 0-9 MCS 0-11
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT80) ax (HE80)	5210 5290 5530~5690 5775	42 [1] 58 [1] 106-138 [3] 155 [1]	2	MCS 0-9 MCS 0-11
Note: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.					

1.1.2 Antenna Details

Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
				2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
AccelTex	ATS-OP-2 45-13-6NP -36	ATS-195	RPSMA Plug	13	13	13	13	13

1.1.3 Configuration of Equipment under Test (EUT)

Power Supply Type	54Vdc from PoE	
TPC	☒ Support	☐ Not support
Beamforming	☒ Support	☐ Not support
RU Configuration	☒ Full RU	☐ Partial RU
Channel Puncturing	☐ Support	☒ Not support

1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	AC adapter	Brand: EnGenius Model: EPA5006GR I/P: 100-240Vac, 50-60Hz, 0.8A O/P: 54Vdc, 0.6A Power Line: 0.5m non-shielded without core
2	Ground Cable	1.75m non-shielded without core

1.1.5 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	---	---
153	5765	---	---
157	5785	---	---
161	5805	---	---
165	5825	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	QDART, V5.14.00227.1		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11a	93.33%	0.30
	ax HE20	94.60%	0.24
	ax HE40	94.89%	0.23
	ax HE80	84.93%	0.71

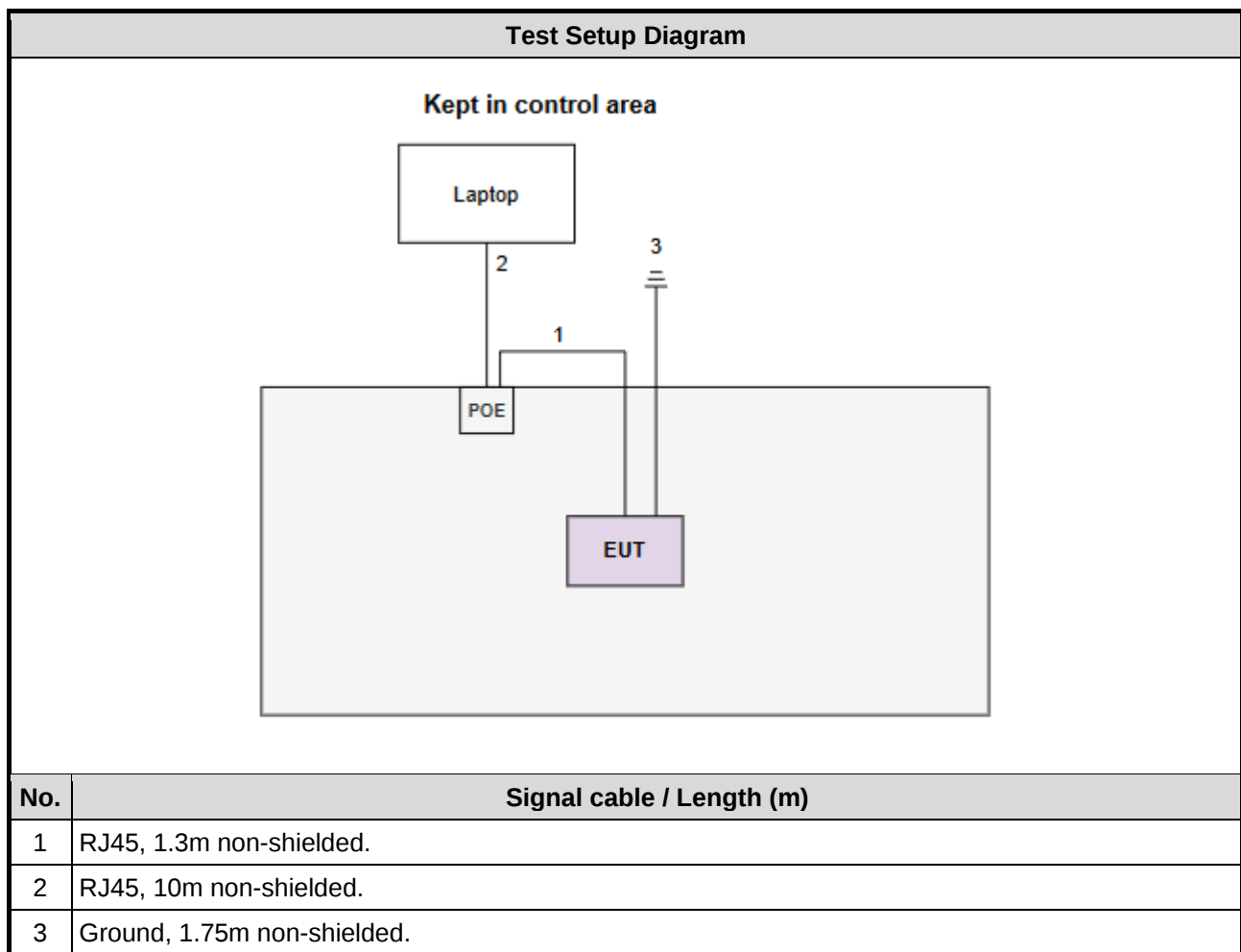
1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	5.5
11a	5200	5.5
11a	5240	5
11a	5745	19
11a	5785	19.5
11a	5825	19.5
ax HE20	5180	6
ax HE20	5200	6
ax HE20	5240	5.5
ax HE20	5745	19
ax HE20	5785	19.5
ax HE20	5825	19.5
ax HE40	5190	5.5
ax HE40	5230	5.5
ax HE40	5755	19
ax HE40	5795	19.5
ax HE80	5210	5.5
ax HE80	5775	19.5

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Vostro 5410	DoC	---

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Feb. 13 ~ Mar. 07, 2026				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 11, 2025	Mar. 10, 2026
Spectrum Analyzer	R&S	FSV40	101499	Mar. 27, 2025	Mar. 26, 2026
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 17, 2025	Nov. 16, 2026
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Jul. 04, 2025	Jul. 03, 2026
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Jan. 23, 2026	Jan. 22, 2027
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 28, 2025	Nov. 27, 2026
Preamplifier	EMC	EMC02325	980187	Jun. 24, 2025	Jun. 23, 2026
Preamplifier	EMC	EMC118A45SE	980897	Aug. 08, 2025	Aug. 07, 2026
Preamplifier	EMC	EMC184045SE	980903	Aug. 08, 2025	Aug. 07, 2026
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 01, 2025	Sep. 30, 2026
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800-001	Sep. 19, 2025	Sep. 18, 2026
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 19, 2025	Sep. 18, 2026
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 19, 2025	Sep. 18, 2026
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 19, 2025	Sep. 18, 2026
RF cable-8M	EMC	EMC104-SM-SM-8000	181107	Sep. 19, 2025	Sep. 18, 2026
RF cable-1M	HUBER+SUHNER	SUCOFLEX104	MY22624/4	Sep. 19, 2025	Sep. 18, 2026
Attenuator	Pasternack	PE7005-10	10-3	Sep. 19, 2025	Sep. 18, 2026
HIGHPASS FILTER	K&L	11SH10-7000/T18000-O/O/OP	21	Sep. 19, 2025	Sep. 18, 2026
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	Mar. 16 ~ Mar. 20, 2026				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2025	Apr. 17, 2026
Power Meter	Anritsu	ML2495A	1241002	Nov. 21, 2025	Nov. 20, 2026
Power Sensor	Anritsu	MA2411B	1207366	Nov. 21, 2025	Nov. 20, 2026
Attenuator	Pasternack	PE7005-10	10-2	Oct. 03, 2025	Oct. 02, 2026
Measurement Software	Sporton	SENSE-15247_DTS	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.407

ANSI C63.10-2020

ANSI C63.4-2014 + C63.4a-2017

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 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
Power density	± 0.583 dB
Conducted emission	± 2.715 dB
AC conducted emission	± 2.92 dB
Unwanted Emission ≤ 1 GHz	± 3.96 dB
Unwanted Emission > 1 GHz	± 4.51 dB
Time	$\pm 0.1\%$
Temperature	± 0.4 °C

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)
Test Site	03CH03-WS
Address of Test Site	No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

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

2.2 The Worst Test Modes and Channel Details

Non-beamforming mode

Frequency band 5150~5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Unwanted Emissions ≤1GHz	11a	5785	6 Mbps	---
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth Power Spectral Density	11a	5180 / 5200 / 5240 5745 / 5785 / 5825	6 Mbps	---
	ax HE20	5180 / 5200 / 5240 5745 / 5785 / 5825	MCS 0	
	ax HE40	5190 / 5230 / 5755 / 5795	MCS 0	
	ax HE80	5210 / 5775	MCS 0	
Note: 5250 MHz ~ 5350 MHz / 5470 MHz ~5725MHz are not evaluated since output power of P to P / P to MP is same and P to P is evaluated in Report No.: FR4N0501AN.				

Beamforming mode

Frequency band 5150~5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Conducted Output Power	ax HE20	5180 / 5200 / 5240 5745 / 5785 / 5825	MCS 0	---
	ax HE40	5190 / 5230 / 5755 / 5795	MCS 0	
	ax HE80	5210 / 5775	MCS 0	
Note: 5250 MHz ~ 5350 MHz / 5470 MHz ~5725MHz are not evaluated since output power of P to P / P to MP is same and P to P is evaluated in Report No.: FR4N0501AN				

3 Transmitter Test Results

3.1 Emission Bandwidth

3.1.1 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.

3.1.2 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.

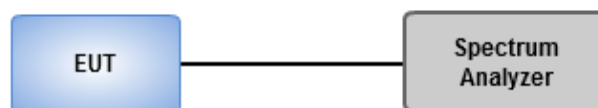
Occupied Bandwidth

1. Set RBW = 1 % to 5 % of the OBW.
2. Set VBW $\geq$ 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.

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	20-24°C / 62-67%	Tested By	Roger Lu
-------------------	------------------	-----------	----------

Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted 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.		

3.2.2 Test Procedures

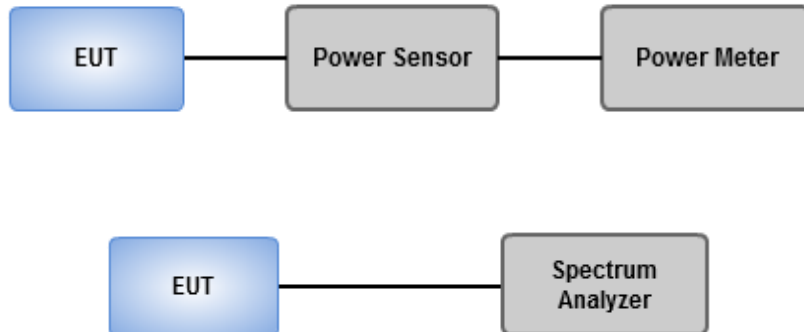
Method PM-G (Measurement using a gated RF average power meter)

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%.

3.2.3 Test Setup



3.2.4 Test Results

Ambient Condition	20-24°C / 62-67%	Tested By	Roger Lu
-------------------	------------------	-----------	----------

Refer to Appendix B.

3.3 Power Spectral Density

3.3.1 Limit of 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

3.3.2 Test Procedures

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

Duty cycle $\geq 98\%$

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 $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
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

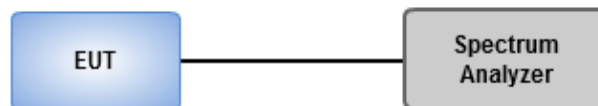
Duty cycle $\geq 98\%$

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 $\geq 10 \times (\text{number of points in sweep}) \times (\text{total on/off period of the transmitted signal})$.
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.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	20-24°C / 62-67%	Tested By	Roger Lu
-------------------	------------------	-----------	----------

Refer to Appendix C.

3.4 Unwanted Emissions

3.4.1 Limit of Unwanted 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).

3.4.2 Test Procedures

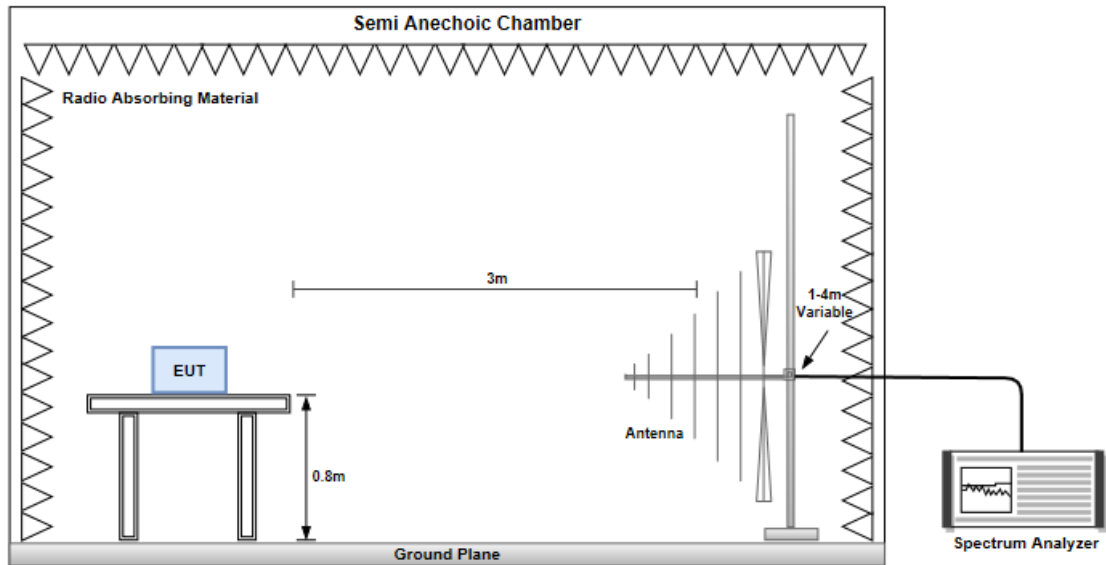
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission 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:

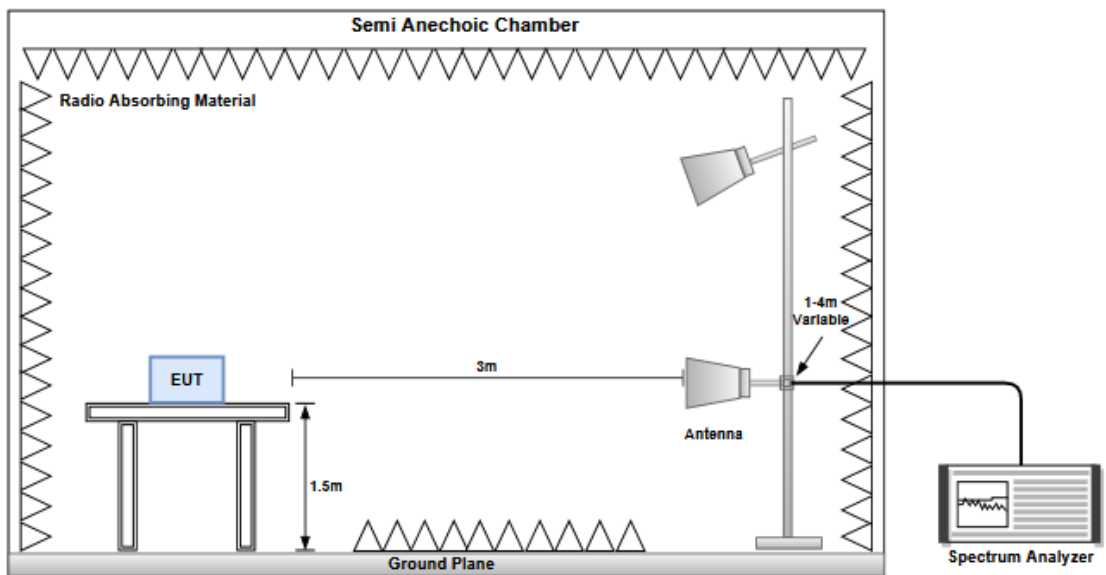
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.4.3 Test Setup

Unwanted Emissions below 1 GHz



Unwanted Emissions above 1 GHz



3.4.4 Test Results

Refer to Appendix D.

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 Corporation (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 <https://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Zhonghe

Tel: 886-2-2222-0288

1F, No. 6, Jiankang Road, Zhonghe
District, New Taipei City 235045,
Taiwan (R.O.C.)

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

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==

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)_2TX	20.845M	16.389M	16M4D1D	20.625M	16.365M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.945M	18.934M	18M9D1D	21.45M	18.888M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.36M	37.749M	37M7D1D	41.14M	37.697M
802.11ax HEW80_Nss1,(MCS0)_2TX	88M	77.788M	77M8D1D	87.78M	77.731M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.005M	16.377M	16M4D1D	15.62M	16.356M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.535M	18.924M	18M9D1D	17.82M	18.892M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.84M	37.72M	37M7D1D	37.51M	37.701M
802.11ax HEW80_Nss1,(MCS0)_2TX	78.1M	77.707M	77M7D1D	78.1M	77.629M

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

Max-OBW = Maximum 99% occupied bandwidth;

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

Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.68M	16.374M	20.68M	16.389M
5200MHz	Pass	Inf	20.625M	16.365M	20.735M	16.379M
5240MHz	Pass	Inf	20.625M	16.368M	20.845M	16.373M
5745MHz	Pass	500k	15.62M	16.356M	16.005M	16.377M
5785MHz	Pass	500k	15.62M	16.357M	16.005M	16.376M
5825MHz	Pass	500k	15.62M	16.358M	15.62M	16.372M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.505M	18.923M	21.945M	18.934M
5200MHz	Pass	Inf	21.725M	18.912M	21.89M	18.908M
5240MHz	Pass	Inf	21.56M	18.913M	21.45M	18.888M
5745MHz	Pass	500k	18.15M	18.906M	18.37M	18.892M
5785MHz	Pass	500k	18.205M	18.924M	18.535M	18.912M
5825MHz	Pass	500k	18.535M	18.91M	17.82M	18.905M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.14M	37.749M	41.25M	37.697M
5230MHz	Pass	Inf	41.36M	37.74M	41.36M	37.702M
5755MHz	Pass	500k	37.51M	37.72M	37.84M	37.716M
5795MHz	Pass	500k	37.73M	37.701M	37.84M	37.715M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	87.78M	77.788M	88M	77.731M
5775MHz	Pass	500k	78.1M	77.629M	78.1M	77.707M

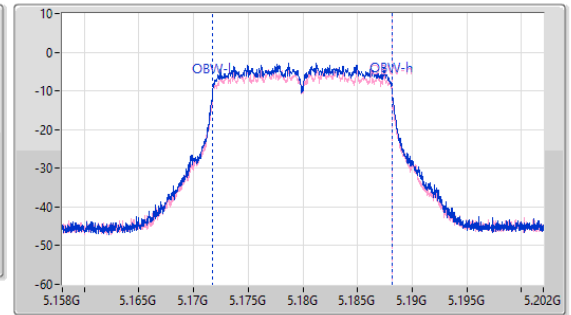
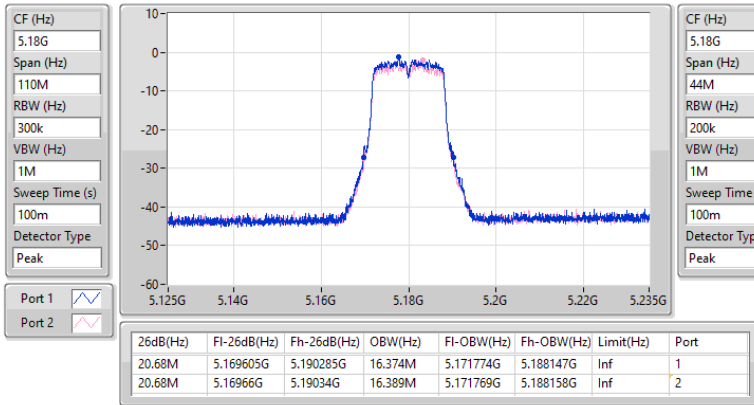
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth

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

EBW

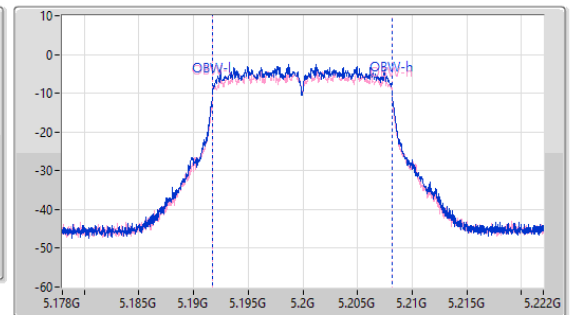
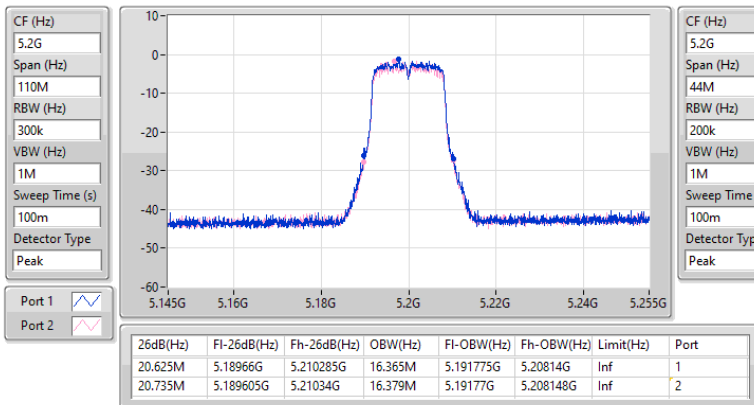
5180MHz



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

EBW

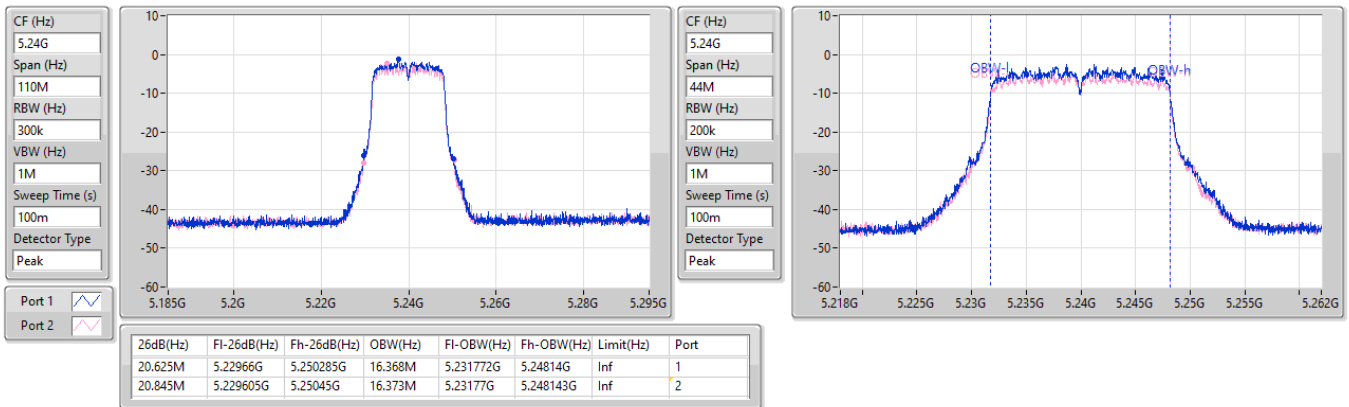
5200MHz



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

EBW

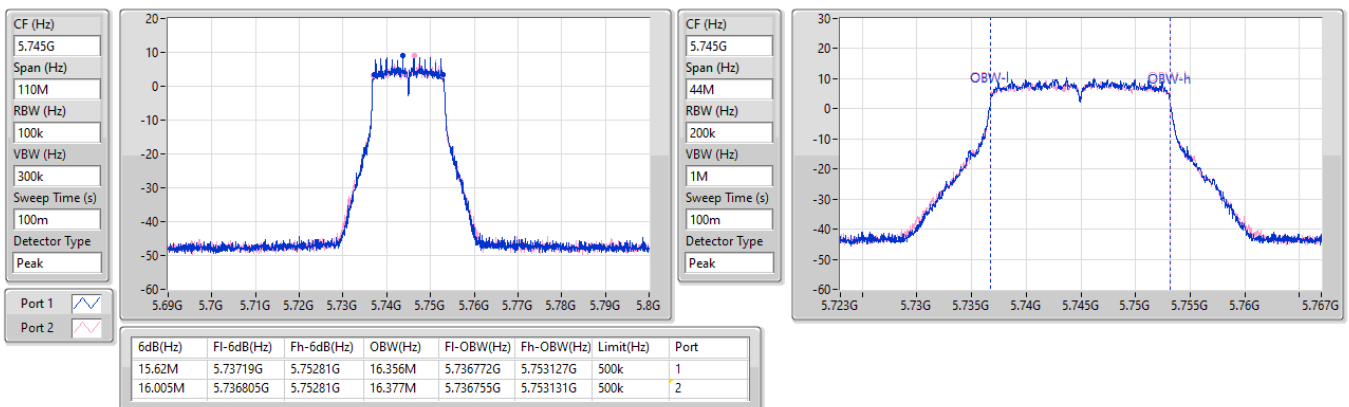
5240MHz



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

EBW

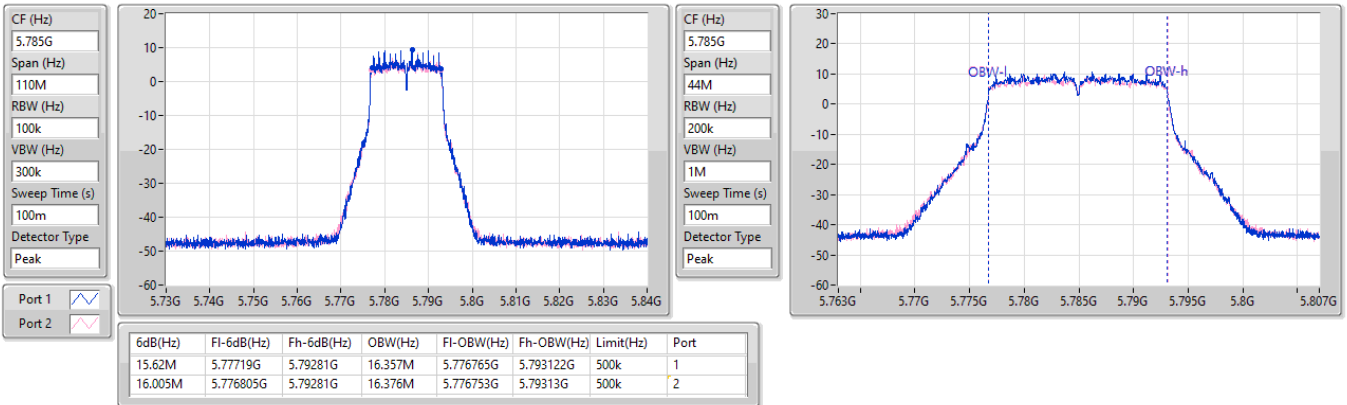
5745MHz



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

EBW

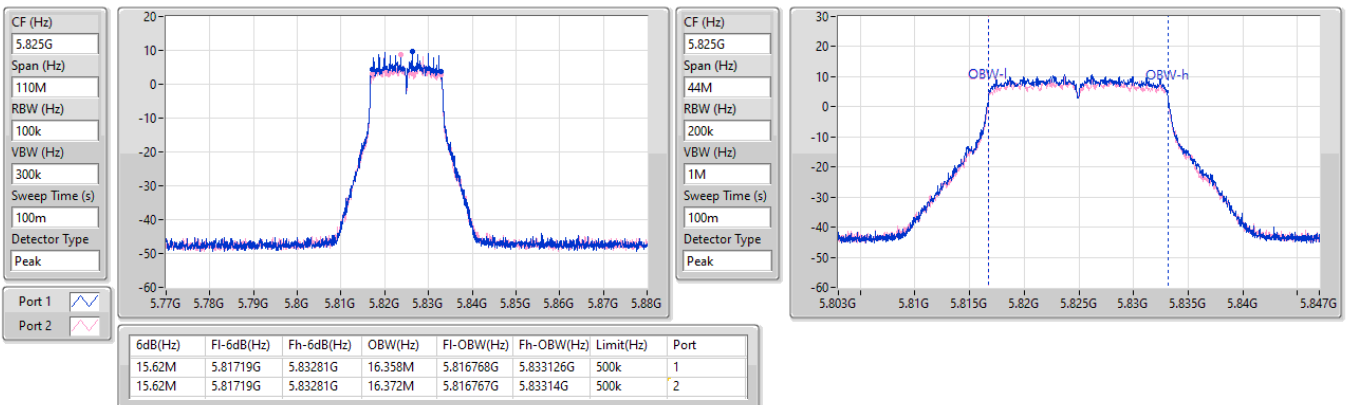
5785MHz



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

EBW

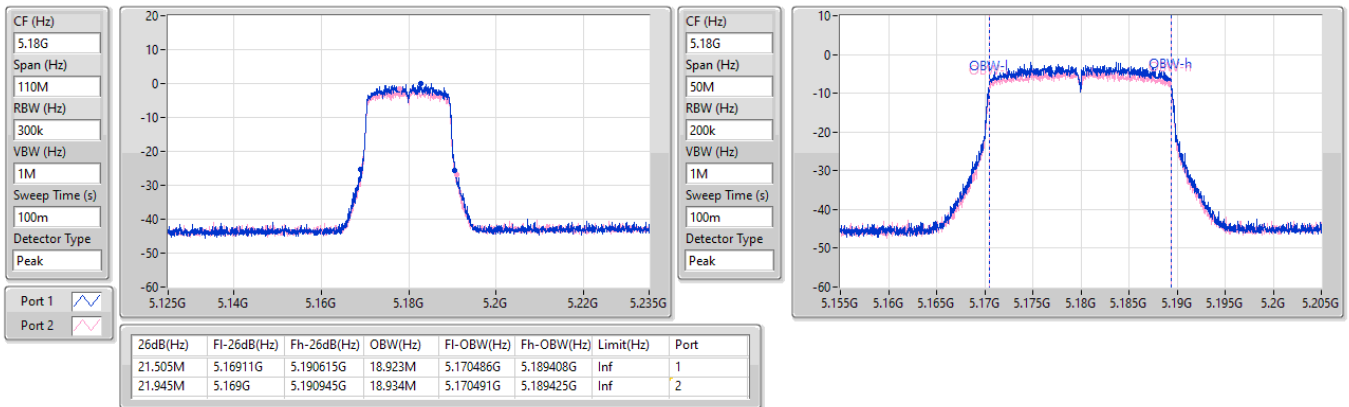
5825MHz



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

EBW

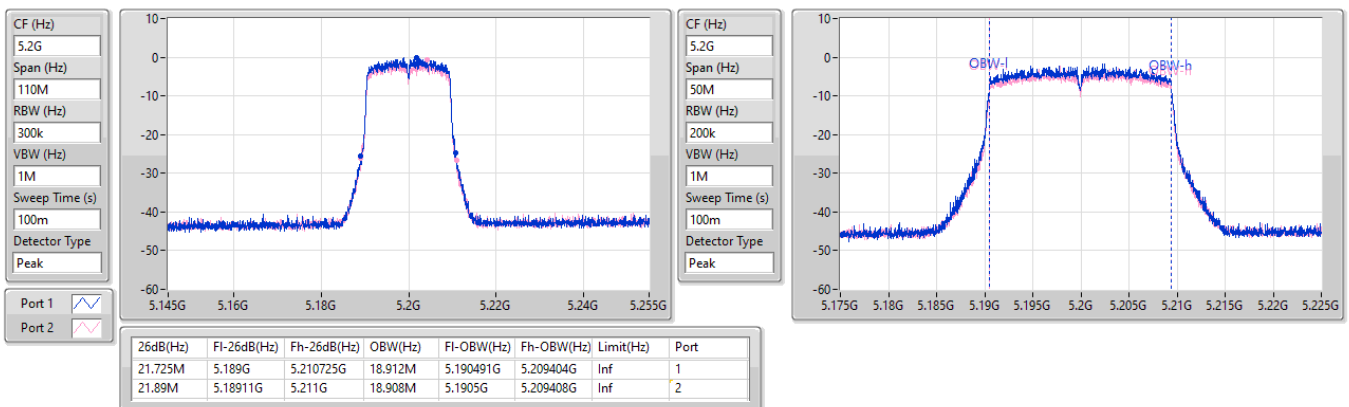
5180MHz



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

EBW

5200MHz

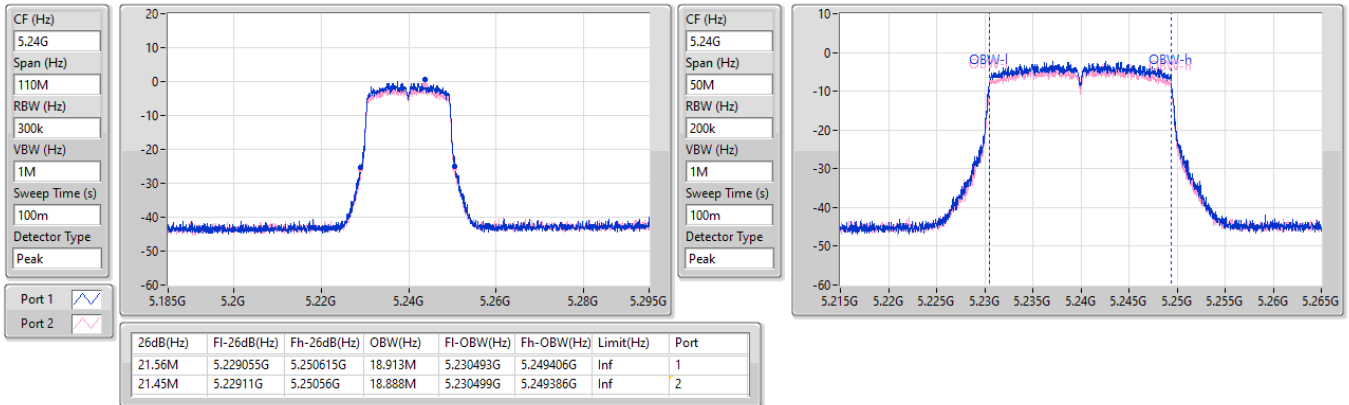




5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

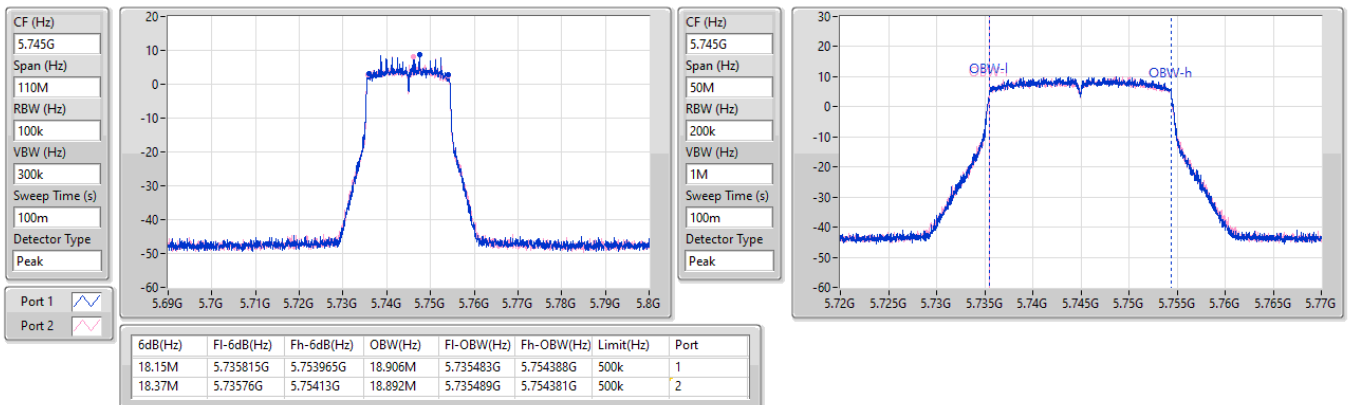
5240MHz



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

EBW

5745MHz

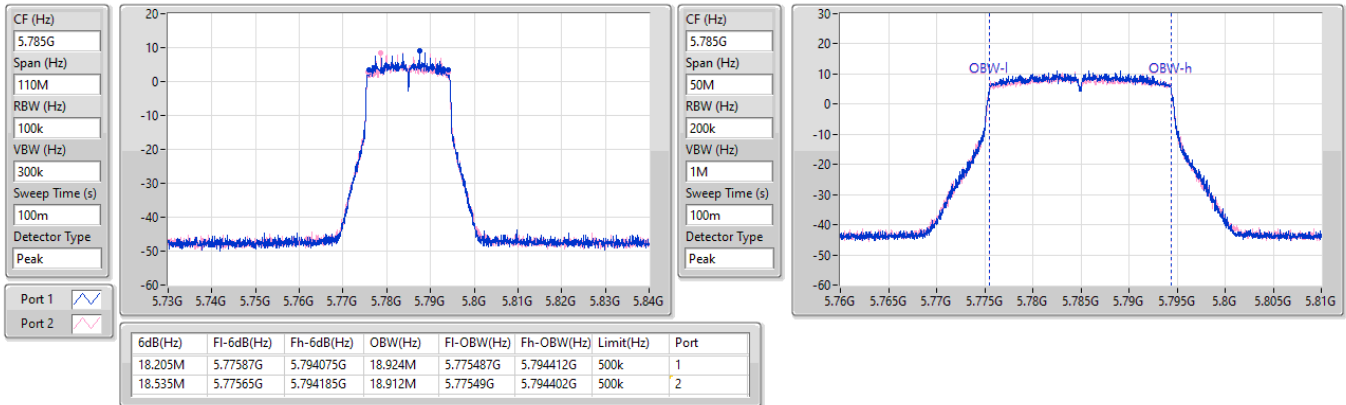




5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

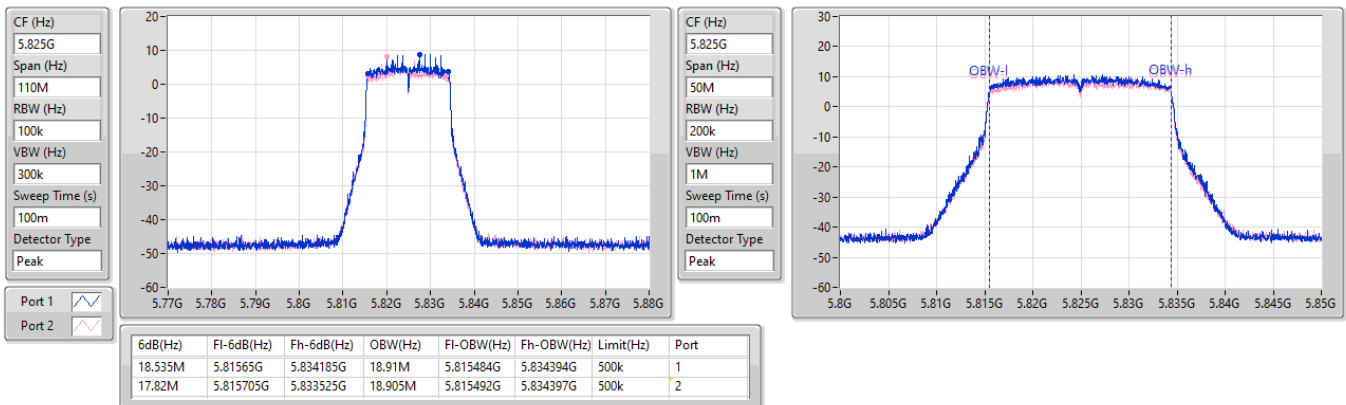
5785MHz



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

EBW

5825MHz

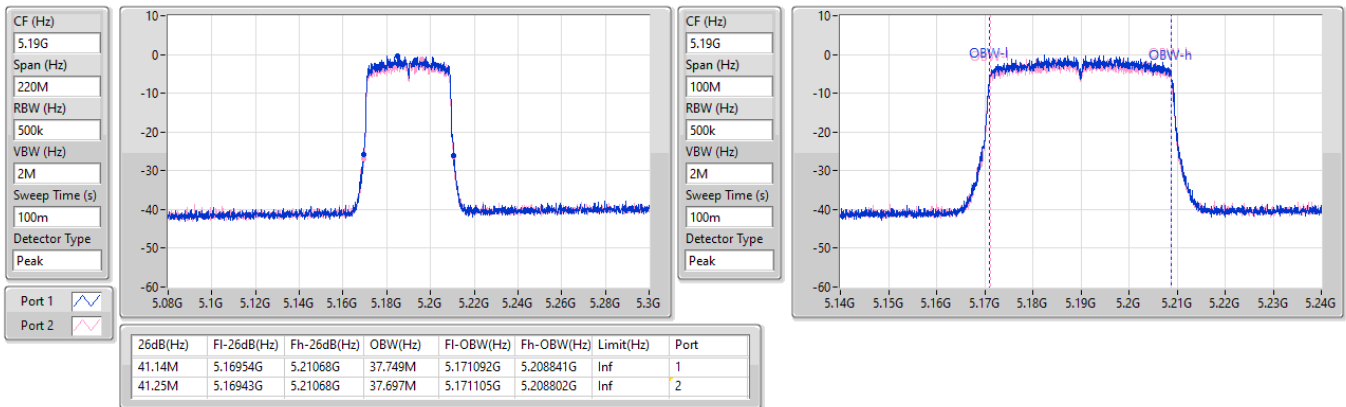




5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

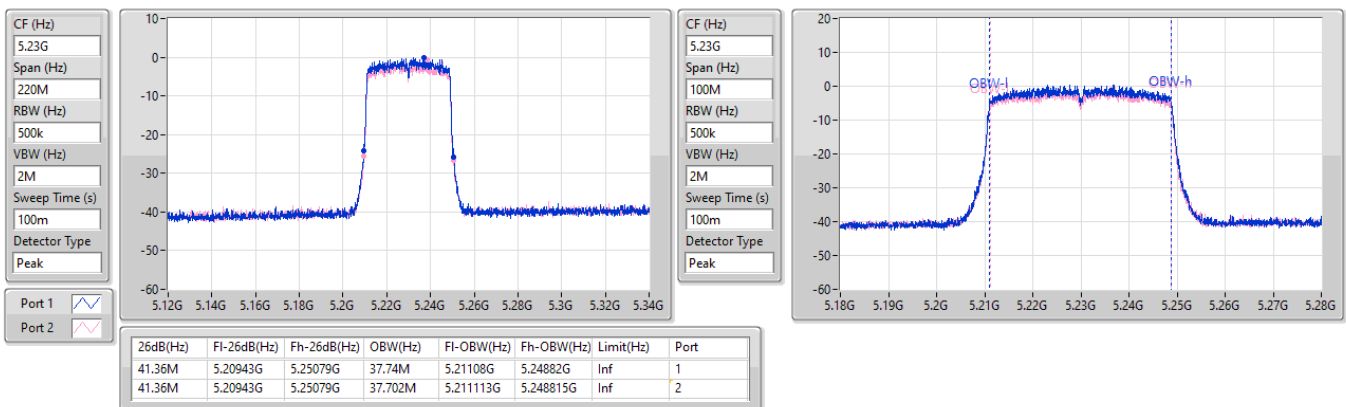
5190MHz



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

EBW

5230MHz

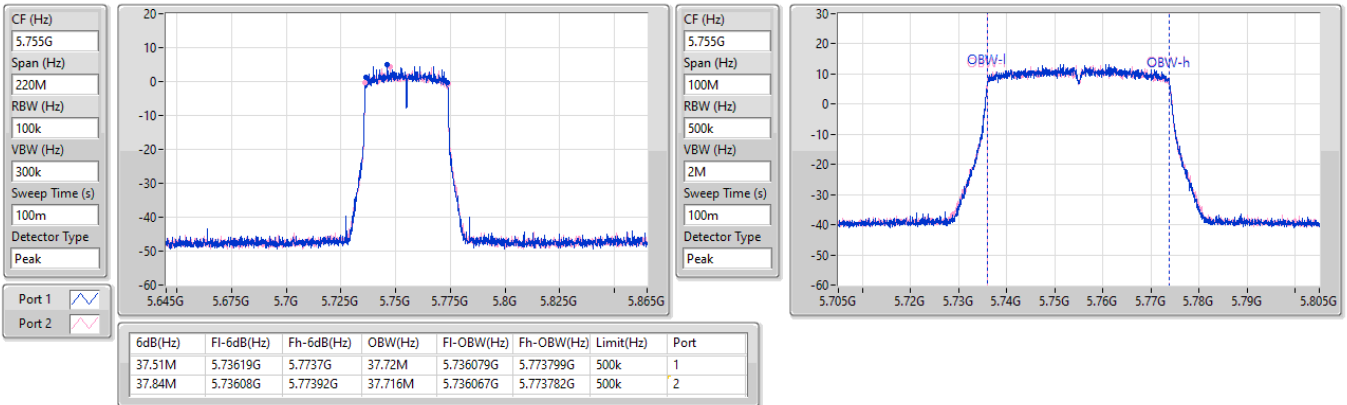




5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

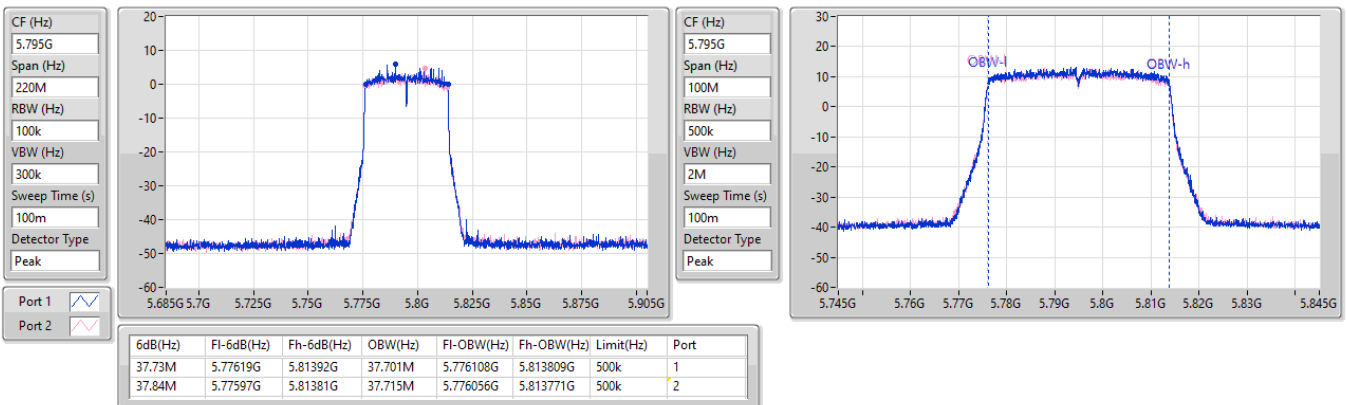
5755MHz



5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

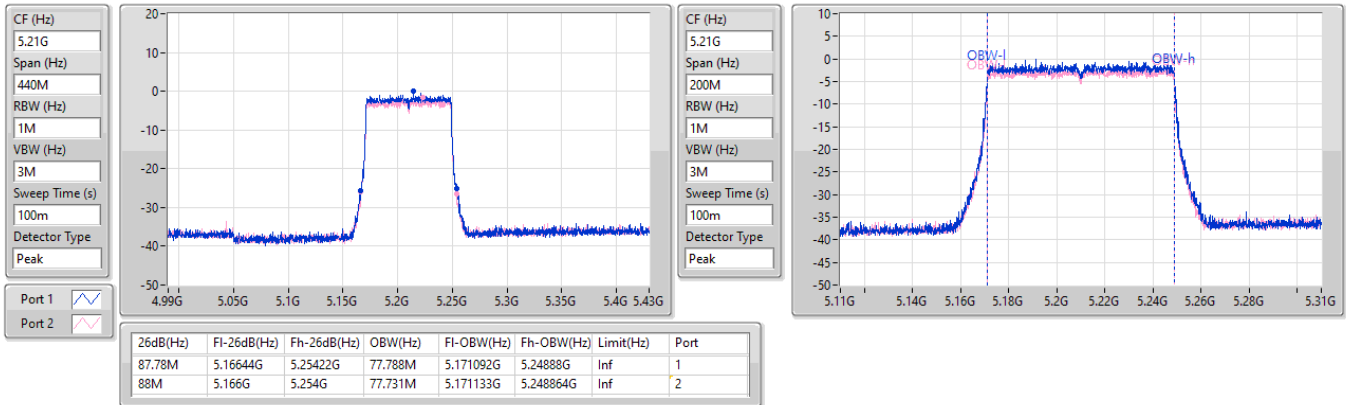




5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

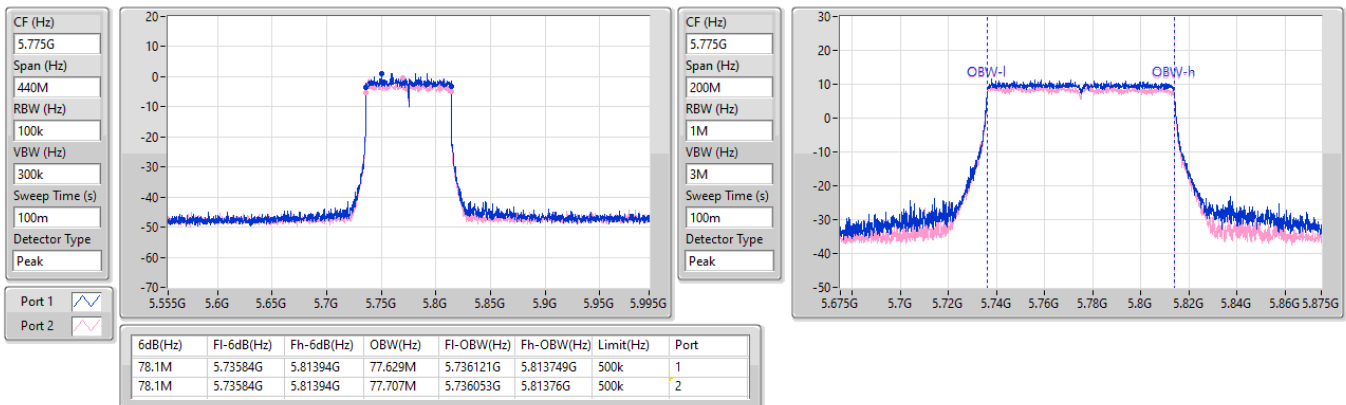
5210MHz



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

EBW

5775MHz



Non-beamforming mode
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	9.35	0.00861	22.35	0.17179
802.11ax HEW20_Nss1,(MCS0)_2TX	9.35	0.00861	22.35	0.17179
802.11ax HEW40_Nss1,(MCS0)_2TX	9.36	0.00863	22.36	0.17219
802.11ax HEW80_Nss1,(MCS0)_2TX	9.36	0.00863	22.36	0.17219
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.90	0.19498	35.90	3.89045
802.11ax HEW20_Nss1,(MCS0)_2TX	22.83	0.19187	35.83	3.82825
802.11ax HEW40_Nss1,(MCS0)_2TX	22.74	0.18793	35.74	3.74973
802.11ax HEW80_Nss1,(MCS0)_2TX	22.20	0.16596	35.20	3.31131

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.00	6.78	5.52	9.21	23.00	22.21	36.00
5200MHz	Pass	13.00	6.7	5.94	9.35	23.00	22.35	36.00
5240MHz	Pass	13.00	6.84	5.71	9.32	23.00	22.32	36.00
5745MHz	Pass	13.00	19.67	19.53	22.61	23.00	35.61	36.00
5785MHz	Pass	13.00	20.05	19.73	22.90	23.00	35.90	36.00
5825MHz	Pass	13.00	19.98	19.31	22.67	23.00	35.67	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.00	6.77	5.65	9.26	23.00	22.26	36.00
5200MHz	Pass	13.00	6.75	5.89	9.35	23.00	22.35	36.00
5240MHz	Pass	13.00	6.82	5.7	9.31	23.00	22.31	36.00
5745MHz	Pass	13.00	19.66	19.71	22.70	23.00	35.70	36.00
5785MHz	Pass	13.00	19.92	19.72	22.83	23.00	35.83	36.00
5825MHz	Pass	13.00	20.03	19.27	22.68	23.00	35.68	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	13.00	6.65	6.03	9.36	23.00	22.36	36.00
5230MHz	Pass	13.00	6.71	5.84	9.31	23.00	22.31	36.00
5755MHz	Pass	13.00	19.66	19.59	22.64	23.00	35.64	36.00
5795MHz	Pass	13.00	19.91	19.55	22.74	23.00	35.74	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.00	6.78	5.88	9.36	23.00	22.36	36.00
5775MHz	Pass	13.00	19.25	19.12	22.20	23.00	35.20	36.00

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

Directional Gain = 13 dBi > 6 dBi, Power limit shall be reduced to $30 - (13 - 6) = 23$

**Non-beamforming mode**

Mode	Result	Gain-Elevation 30° (dBi)	Total Power (dBm)	EIRP-Elevation 30° (dBm)	EIRP Limit- Elevation 30° (dBm)
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX_5180MHz	Pass	11.54	9.21	20.75	21.00
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX_5200MHz	Pass	11.54	9.35	20.89	21.00
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX_5240MHz	Pass	11.54	9.32	20.86	21.00
5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX_5180MHz	Pass	11.54	9.26	20.80	21.00
5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX_5200MHz	Pass	11.54	9.35	20.89	21.00
5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX_5240MHz	Pass	11.54	9.31	20.85	21.00
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX_5190MHz	Pass	11.54	9.36	20.90	21.00
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX_5230MHz	Pass	11.54	9.31	20.85	21.00
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX_5210MHz	Pass	11.54	9.36	20.90	21.00

Beamforming mode
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	6.34	0.00431	22.35	0.17179
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	6.35	0.00432	22.36	0.17219
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	6.35	0.00432	22.36	0.17219
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.82	0.09594	35.83	3.82825
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.73	0.09397	35.74	3.74973
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	19.19	0.08299	35.20	3.31131

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	16.01	3.76	2.64	6.25	19.99	22.26	36.00
5200MHz	Pass	16.01	3.74	2.88	6.34	19.99	22.35	36.00
5240MHz	Pass	16.01	3.81	2.69	6.30	19.99	22.31	36.00
5745MHz	Pass	16.01	16.65	16.7	19.69	19.99	35.70	36.00
5785MHz	Pass	16.01	16.91	16.71	19.82	19.99	35.83	36.00
5825MHz	Pass	16.01	17.02	16.26	19.67	19.99	35.68	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	16.01	3.64	3.02	6.35	19.99	22.36	36.00
5230MHz	Pass	16.01	3.7	2.83	6.30	19.99	22.31	36.00
5755MHz	Pass	16.01	16.65	16.58	19.63	19.99	35.64	36.00
5795MHz	Pass	16.01	16.9	16.54	19.73	19.99	35.74	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	16.01	3.77	2.87	6.35	19.99	22.36	36.00
5775MHz	Pass	16.01	16.24	16.11	19.19	19.99	35.20	36.00

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

Directional Gain = $13 + 10 \cdot \log(2/1) = 16.01 \text{ dBi} > 6 \text{ dBi}$, Power limit shall be reduced to $30 - (16.01 - 6) = 19.99$

**Beamforming mode**

Mode	Result	Gain-Elevation 30° (dBi)	Total Power (dBm)	EIRP-Elevation 30° (dBm)	EIRP Limit- Elevation 30° (dBm)
5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX_5180MHz	Pass	11.54	6.25	17.79	21.00
5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX_5200MHz	Pass	11.54	6.34	17.88	21.00
5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX_5240MHz	Pass	11.54	6.30	17.84	21.00
5.15-5.25GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX_5190MHz	Pass	11.54	6.35	17.89	21.00
5.15-5.25GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX_5230MHz	Pass	11.54	6.30	17.84	21.00
5.15-5.25GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX_5210MHz	Pass	11.54	6.35	17.89	21.00

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	-3.62	12.39
802.11ax HEW20_Nss1,(MCS0)_2TX	-4.23	11.78
802.11ax HEW40_Nss1,(MCS0)_2TX	-6.98	9.03
802.11ax HEW80_Nss1,(MCS0)_2TX	-9.90	6.11
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.85	24.86
802.11ax HEW20_Nss1,(MCS0)_2TX	8.11	24.12
802.11ax HEW40_Nss1,(MCS0)_2TX	5.22	21.23
802.11ax HEW80_Nss1,(MCS0)_2TX	2.57	18.58

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	16.01	-6.28	-7.21	-3.81	6.99	12.20	23.00
5200MHz	Pass	16.01	-6.05	-6.93	-3.62	6.99	12.39	23.00
5240MHz	Pass	16.01	-6.12	-7.08	-3.65	6.99	12.36	23.00
5745MHz	Pass	16.01	5.63	5.90	8.56	19.99	24.57	36.00
5785MHz	Pass	16.01	6.07	5.81	8.84	19.99	24.85	36.00
5825MHz	Pass	16.01	6.17	5.65	8.85	19.99	24.86	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	16.01	-6.7	-7.75	-4.24	6.99	11.77	23.00
5200MHz	Pass	16.01	-6.77	-7.61	-4.23	6.99	11.78	23.00
5240MHz	Pass	16.01	-6.59	-7.7	-4.23	6.99	11.78	23.00
5745MHz	Pass	16.01	4.79	4.74	7.57	19.99	23.58	36.00
5785MHz	Pass	16.01	5.26	5.01	8.11	19.99	24.12	36.00
5825MHz	Pass	16.01	5.22	4.51	7.83	19.99	23.84	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	16.01	-9.85	-10.7	-7.33	6.99	8.68	23.00
5230MHz	Pass	16.01	-9.38	-10.33	-6.98	6.99	9.03	23.00
5755MHz	Pass	16.01	1.97	1.98	4.90	19.99	20.91	36.00
5795MHz	Pass	16.01	2.51	2.21	5.22	19.99	21.23	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	16.01	-12.44	-13.23	-9.90	6.99	6.11	23.00
5775MHz	Pass	16.01	-0.20	-0.46	2.57	19.99	18.58	36.00

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

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

For 5150 ~ 5250MHz, Directional Gain = $13 + 10 \cdot \log(2/1) = 16.01$ dBi > 6 dBi, Power limit shall be reduced to $17 - (16.01 - 6) = 6.99$

For 5725 ~ 5850MHz, Directional Gain = $13 + 10 \cdot \log(2/1) = 16.01$ dBi > 6 dBi, Power limit shall be reduced to $30 - (16.01 - 6) = 19.99$

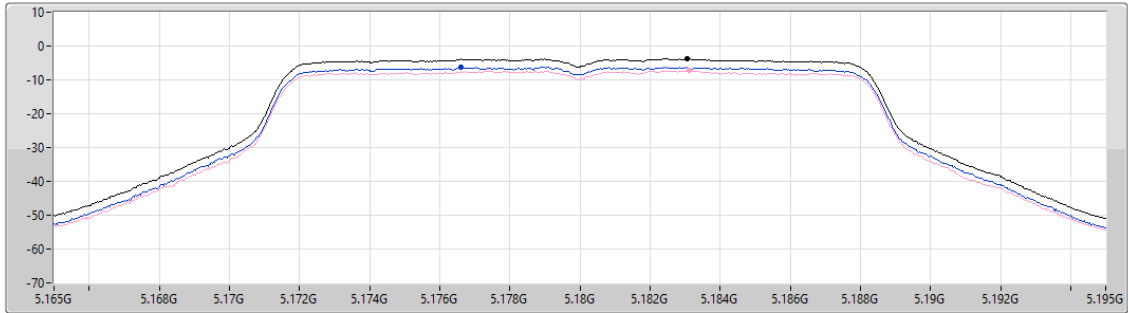


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

CF (Hz)
5.18G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

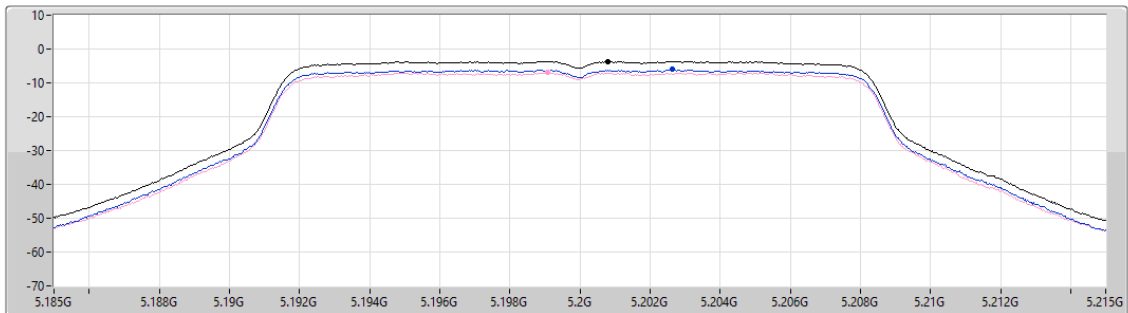
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.81	-3.81	-6.28	-7.21

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

PSD

5200MHz

CF (Hz)
5.2G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

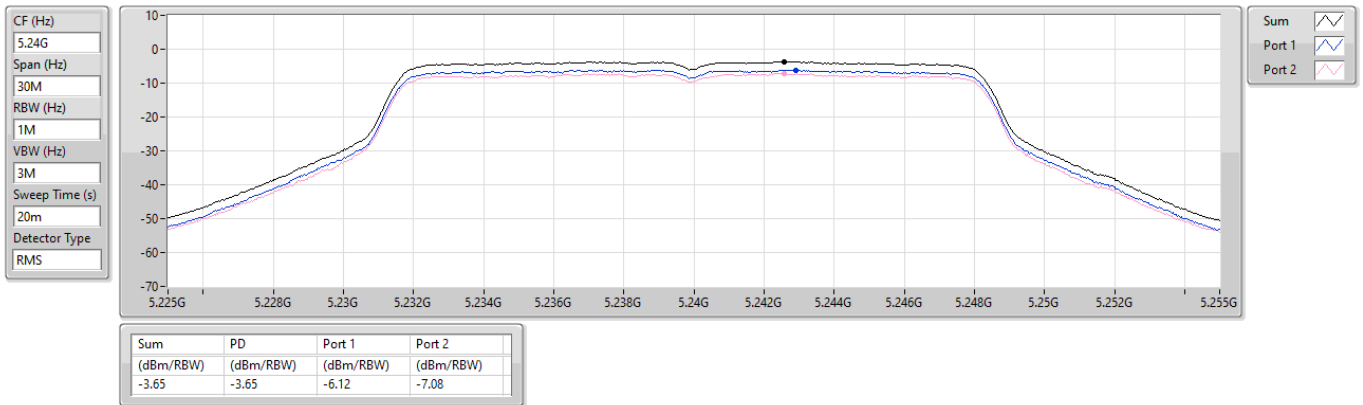
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.62	-3.62	-6.05	-6.93



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

PSD

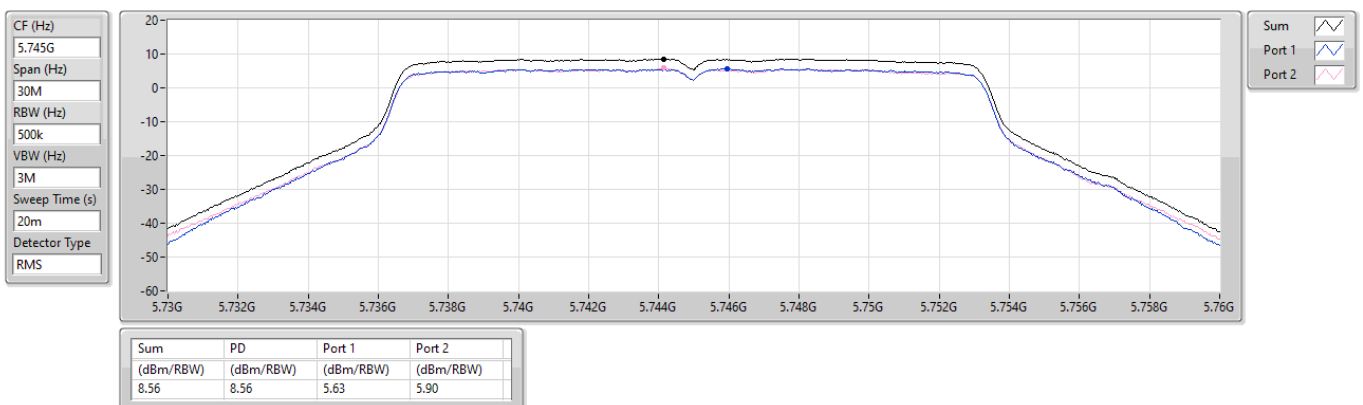
5240MHz



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

PSD

5745MHz

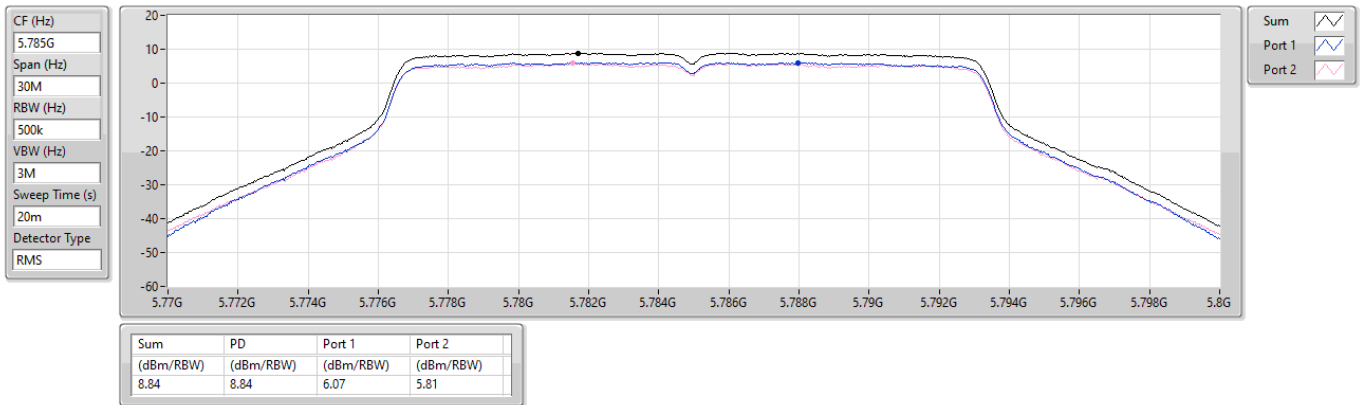




5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

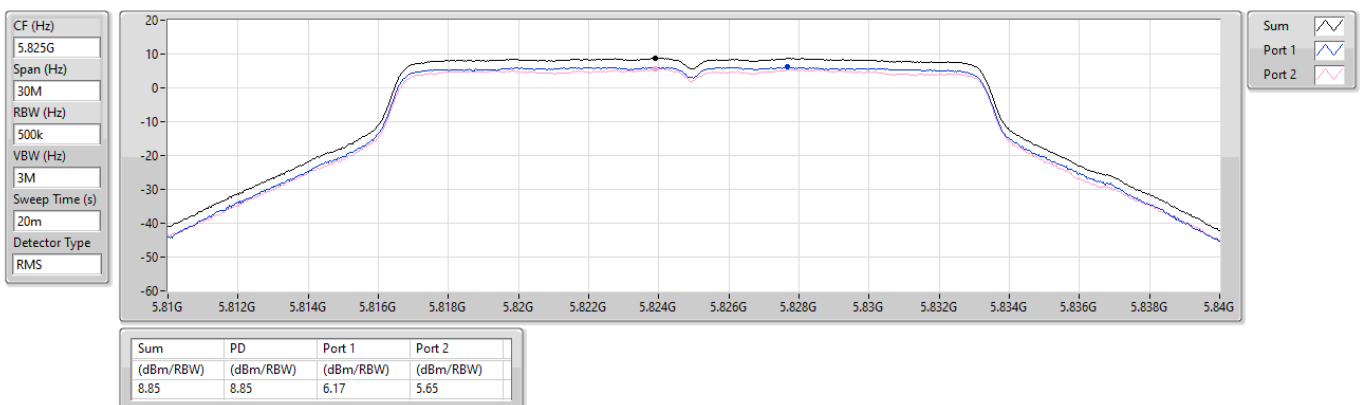
5785MHz



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

PSD

5825MHz

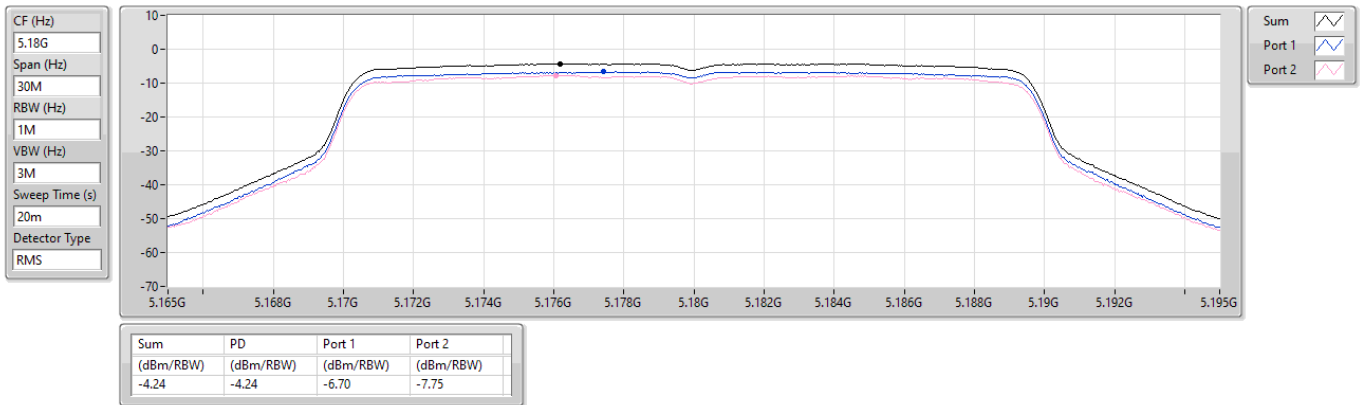




5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

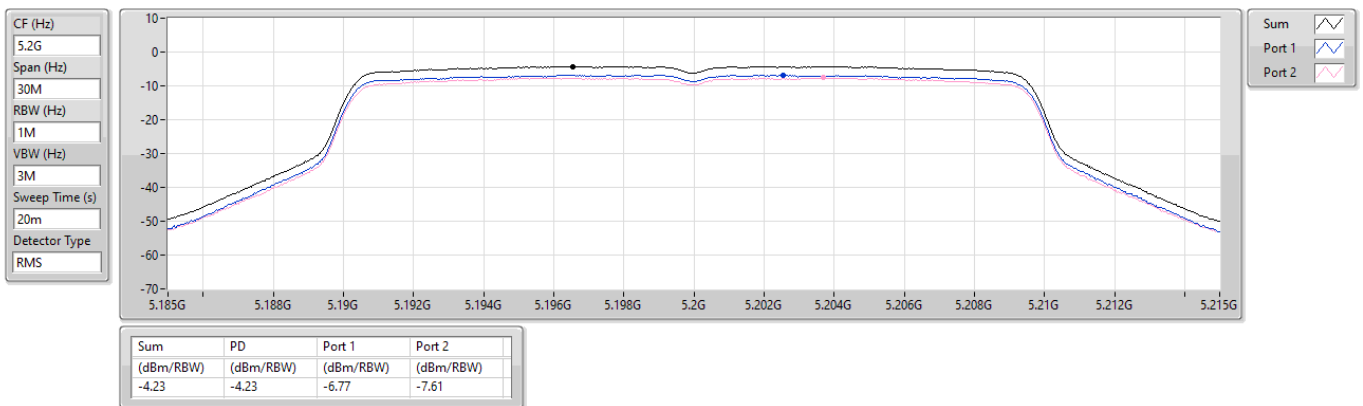
5180MHz



5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

PSD

5200MHz



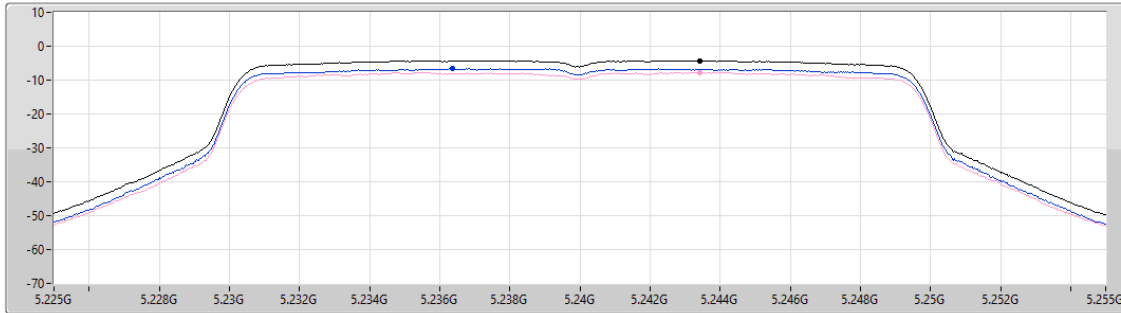


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5240MHz

CF (Hz)
5.24G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

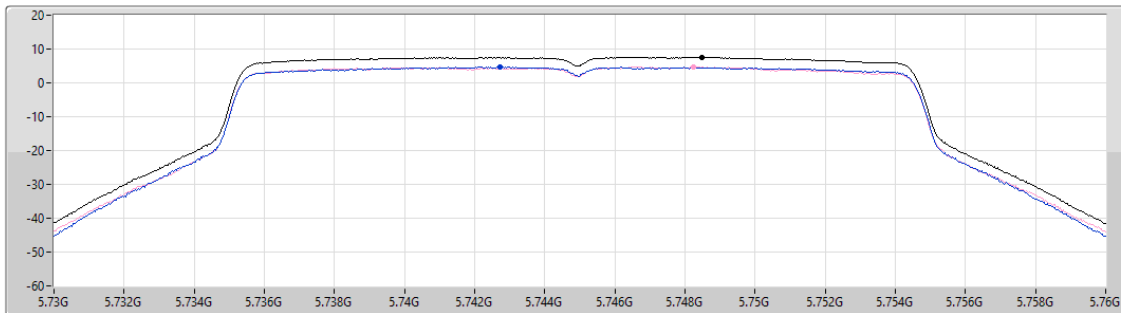
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.23	-4.23	-6.59	-7.70

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

PSD

5745MHz

CF (Hz)
5.745G
Span (Hz)
30M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

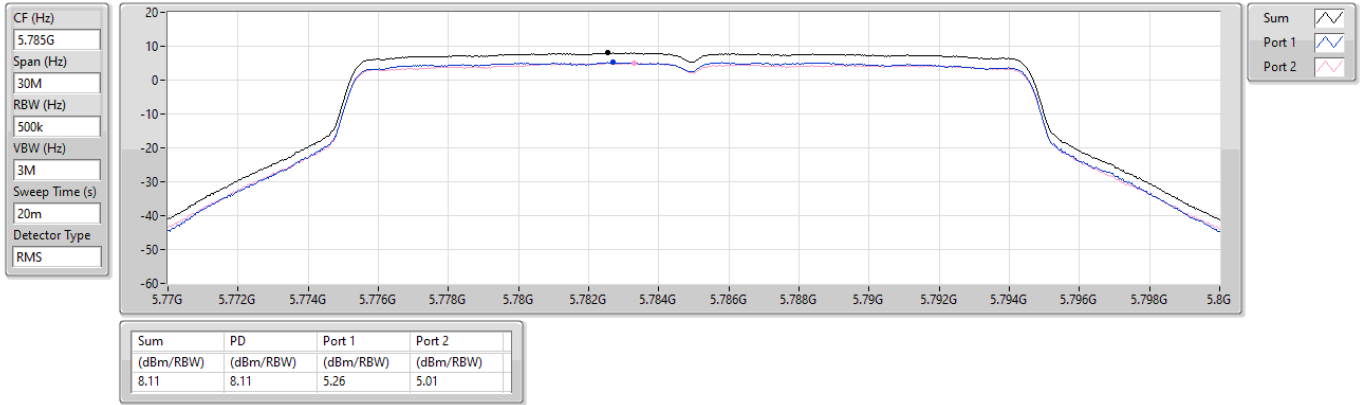
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.57	7.57	4.79	4.74



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

PSD

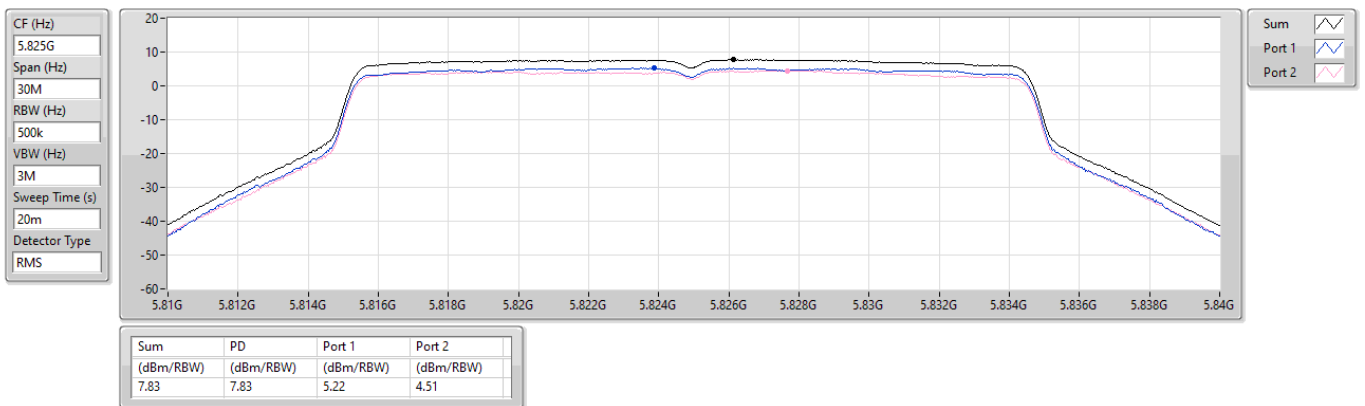
5785MHz



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

PSD

5825MHz



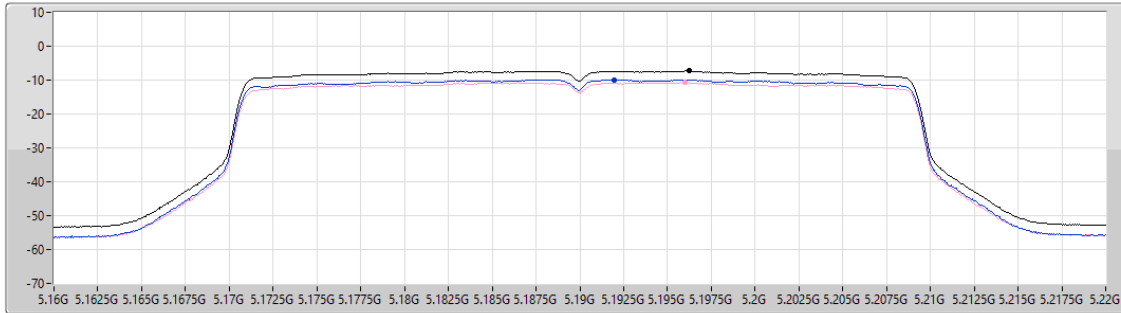


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

PSD

5190MHz

CF (Hz)
5.19G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

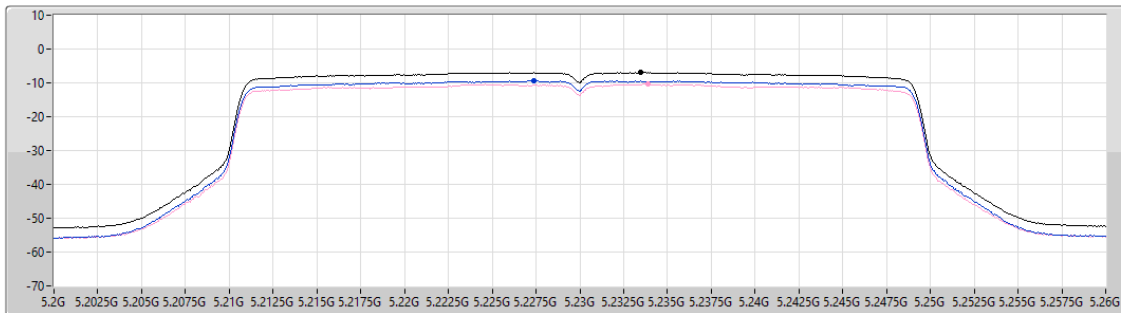
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.33	-7.33	-9.85	-10.70

5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

PSD

5230MHz

CF (Hz)
5.23G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

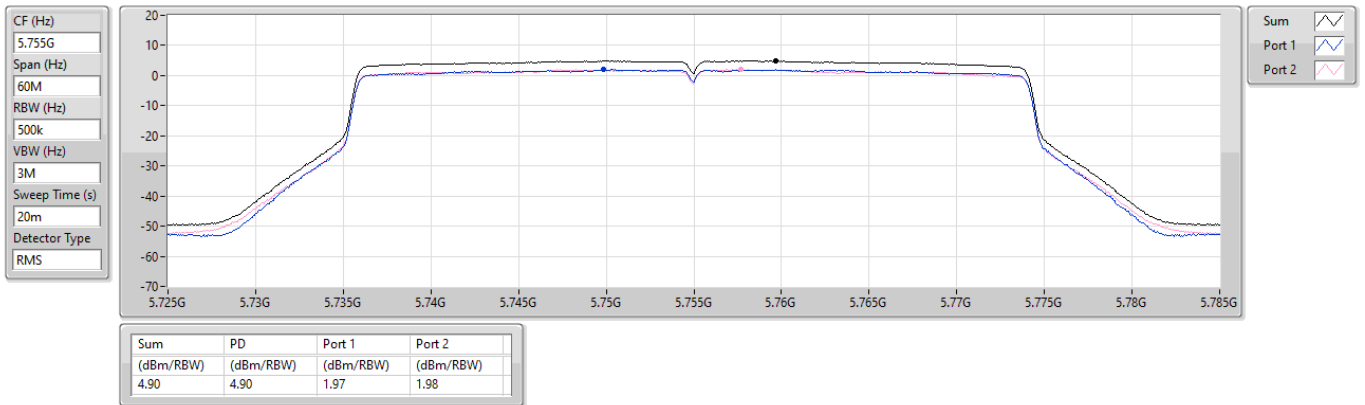
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.98	-6.98	-9.38	-10.33



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

PSD

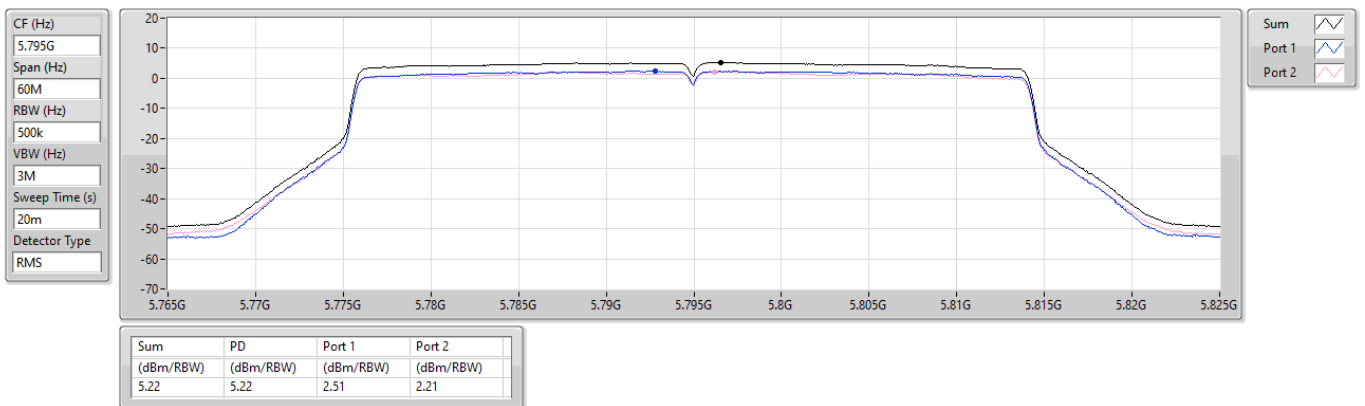
5755MHz



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

PSD

5795MHz



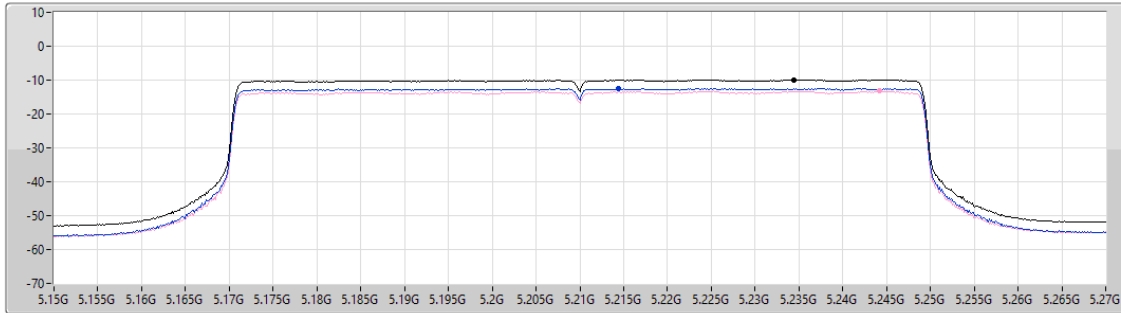


5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5210MHz

CF (Hz)
5.21G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

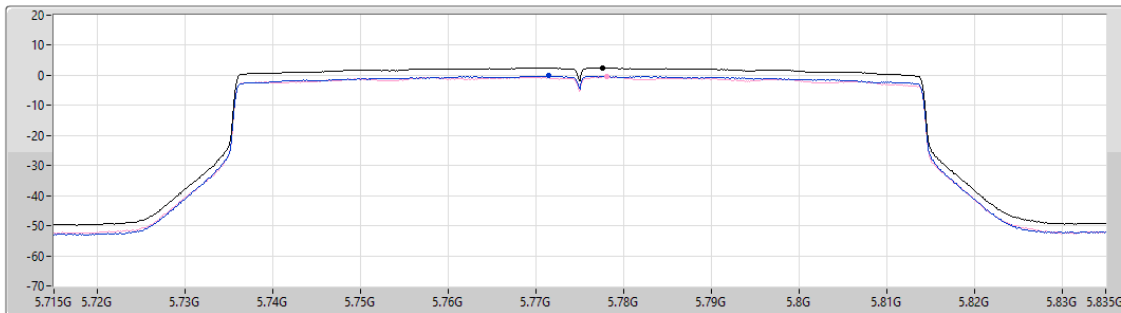
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.90	-9.90	-12.44	-13.23

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

PSD

5775MHz

CF (Hz)
5.775G
Span (Hz)
120M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.57	2.57	-0.20	-0.46



Unwanted Emissions (Below 1GHz)

Modulation	11a	Test Freq. (MHz)	5785																																																																						
Polarization	Horizontal																																																																								
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64																																																																									
Level (dBuV/m) CLASS-B Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>66.86</td><td>35.88</td><td>40.00</td><td>-4.12</td><td>46.33</td><td>-10.45</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>87.00</td><td>35.88</td><td>40.00</td><td>-4.12</td><td>50.58</td><td>-14.70</td><td>QP</td><td>200</td><td>56</td></tr><tr><td>3</td><td>101.78</td><td>38.98</td><td>43.50</td><td>-4.52</td><td>51.95</td><td>-12.97</td><td>QP</td><td>167</td><td>353</td></tr><tr><td>4</td><td>163.86</td><td>38.75</td><td>43.50</td><td>-4.75</td><td>47.47</td><td>-8.72</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>213.33</td><td>35.83</td><td>43.50</td><td>-7.67</td><td>47.46</td><td>-11.63</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>279.29</td><td>35.57</td><td>46.00</td><td>-10.43</td><td>43.88</td><td>-8.31</td><td>Peak</td><td>---</td><td>---</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *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.					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	66.86	35.88	40.00	-4.12	46.33	-10.45	Peak	---	---	2	87.00	35.88	40.00	-4.12	50.58	-14.70	QP	200	56	3	101.78	38.98	43.50	-4.52	51.95	-12.97	QP	167	353	4	163.86	38.75	43.50	-4.75	47.47	-8.72	Peak	---	---	5	213.33	35.83	43.50	-7.67	47.46	-11.63	Peak	---	---	6	279.29	35.57	46.00	-10.43	43.88	-8.31	Peak	---	---
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																
1	66.86	35.88	40.00	-4.12	46.33	-10.45	Peak	---	---																																																																
2	87.00	35.88	40.00	-4.12	50.58	-14.70	QP	200	56																																																																
3	101.78	38.98	43.50	-4.52	51.95	-12.97	QP	167	353																																																																
4	163.86	38.75	43.50	-4.75	47.47	-8.72	Peak	---	---																																																																
5	213.33	35.83	43.50	-7.67	47.46	-11.63	Peak	---	---																																																																
6	279.29	35.57	46.00	-10.43	43.88	-8.31	Peak	---	---																																																																



Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64			
Level (dBUV/m)			

Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64			
Level (dBUV/m) <			



Modulation	11a	Test Freq. (MHz)	5180
Polarization	Vertical		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64			
Level (dBUV/m)			



Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64			
Level (dBuV/m)			



Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64			
Level (dBuV/m)			

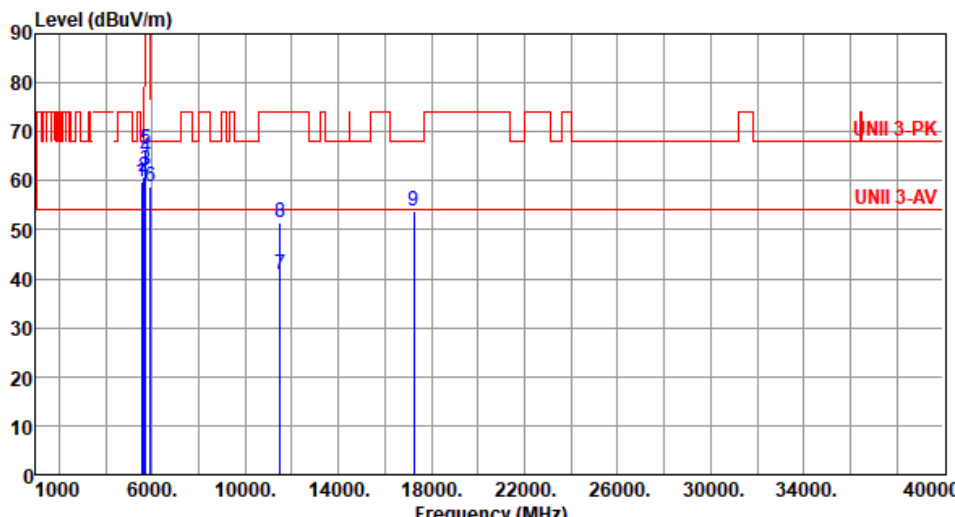


Modulation	11a	Test Freq. (MHz)	5240																																																																																																				
Polarization	Horizontal																																																																																																						
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64																																																																																																							
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th></th><th></th><th>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>43.85</td><td>54.00</td><td>-10.15</td><td>41.85</td><td>2.00</td><td>Average</td><td>100</td><td>251</td></tr><tr><td>2</td><td>5150.00</td><td>56.01</td><td>74.00</td><td>-17.99</td><td>54.01</td><td>2.00</td><td>Peak</td><td>100</td><td>251</td></tr><tr><td>3</td><td>5350.00</td><td>43.46</td><td>54.00</td><td>-10.54</td><td>42.05</td><td>1.41</td><td>Average</td><td>100</td><td>251</td></tr><tr><td>4</td><td>5350.00</td><td>55.92</td><td>74.00</td><td>-18.08</td><td>54.51</td><td>1.41</td><td>Peak</td><td>100</td><td>251</td></tr><tr><td>5</td><td>10480.00</td><td>50.63</td><td>68.20</td><td>-17.57</td><td>41.73</td><td>8.90</td><td>Peak</td><td>103</td><td>55</td></tr><tr><td>6</td><td>15720.00</td><td>37.87</td><td>54.00</td><td>-16.13</td><td>31.41</td><td>6.46</td><td>Average</td><td>100</td><td>111</td></tr><tr><td>7</td><td>15720.00</td><td>49.97</td><td>74.00</td><td>-24.03</td><td>43.51</td><td>6.46</td><td>Peak</td><td>100</td><td>111</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m			dBuV			cm	deg	1	5150.00	43.85	54.00	-10.15	41.85	2.00	Average	100	251	2	5150.00	56.01	74.00	-17.99	54.01	2.00	Peak	100	251	3	5350.00	43.46	54.00	-10.54	42.05	1.41	Average	100	251	4	5350.00	55.92	74.00	-18.08	54.51	1.41	Peak	100	251	5	10480.00	50.63	68.20	-17.57	41.73	8.90	Peak	103	55	6	15720.00	37.87	54.00	-16.13	31.41	6.46	Average	100	111	7	15720.00	49.97	74.00	-24.03	43.51	6.46	Peak	100	111
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																														
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																																																														
		dBuV/m			dBuV			cm	deg																																																																																														
1	5150.00	43.85	54.00	-10.15	41.85	2.00	Average	100	251																																																																																														
2	5150.00	56.01	74.00	-17.99	54.01	2.00	Peak	100	251																																																																																														
3	5350.00	43.46	54.00	-10.54	42.05	1.41	Average	100	251																																																																																														
4	5350.00	55.92	74.00	-18.08	54.51	1.41	Peak	100	251																																																																																														
5	10480.00	50.63	68.20	-17.57	41.73	8.90	Peak	103	55																																																																																														
6	15720.00	37.87	54.00	-16.13	31.41	6.46	Average	100	111																																																																																														
7	15720.00	49.97	74.00	-24.03	43.51	6.46	Peak	100	111																																																																																														



Modulation	11a	Test Freq. (MHz)	5240																																																																																
Polarization	Vertical																																																																																		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64																																																																																			
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>43.62</td><td>54.00</td><td>-10.38</td><td>41.62</td><td>2.00</td><td>Average</td><td>100</td><td>265</td></tr><tr><td>2</td><td>5150.00</td><td>56.27</td><td>74.00</td><td>-17.73</td><td>54.27</td><td>2.00</td><td>Peak</td><td>100</td><td>265</td></tr><tr><td>3</td><td>5350.00</td><td>42.91</td><td>54.00</td><td>-11.09</td><td>41.50</td><td>1.41</td><td>Average</td><td>100</td><td>265</td></tr><tr><td>4</td><td>5350.00</td><td>56.23</td><td>74.00</td><td>-17.77</td><td>54.82</td><td>1.41</td><td>Peak</td><td>100</td><td>265</td></tr><tr><td>5</td><td>10480.00</td><td>49.23</td><td>68.20</td><td>-18.97</td><td>40.33</td><td>8.90</td><td>Peak</td><td>100</td><td>159</td></tr><tr><td>6</td><td>15720.00</td><td>38.00</td><td>54.00</td><td>-16.00</td><td>31.54</td><td>6.46</td><td>Average</td><td>100</td><td>222</td></tr><tr><td>7</td><td>15720.00</td><td>50.13</td><td>74.00</td><td>-23.87</td><td>43.67</td><td>6.46</td><td>Peak</td><td>100</td><td>222</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	43.62	54.00	-10.38	41.62	2.00	Average	100	265	2	5150.00	56.27	74.00	-17.73	54.27	2.00	Peak	100	265	3	5350.00	42.91	54.00	-11.09	41.50	1.41	Average	100	265	4	5350.00	56.23	74.00	-17.77	54.82	1.41	Peak	100	265	5	10480.00	49.23	68.20	-18.97	40.33	8.90	Peak	100	159	6	15720.00	38.00	54.00	-16.00	31.54	6.46	Average	100	222	7	15720.00	50.13	74.00	-23.87	43.67	6.46	Peak	100	222
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
1	5150.00	43.62	54.00	-10.38	41.62	2.00	Average	100	265																																																																										
2	5150.00	56.27	74.00	-17.73	54.27	2.00	Peak	100	265																																																																										
3	5350.00	42.91	54.00	-11.09	41.50	1.41	Average	100	265																																																																										
4	5350.00	56.23	74.00	-17.77	54.82	1.41	Peak	100	265																																																																										
5	10480.00	49.23	68.20	-18.97	40.33	8.90	Peak	100	159																																																																										
6	15720.00	38.00	54.00	-16.00	31.54	6.46	Average	100	222																																																																										
7	15720.00	50.13	74.00	-23.87	43.67	6.46	Peak	100	222																																																																										
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																			



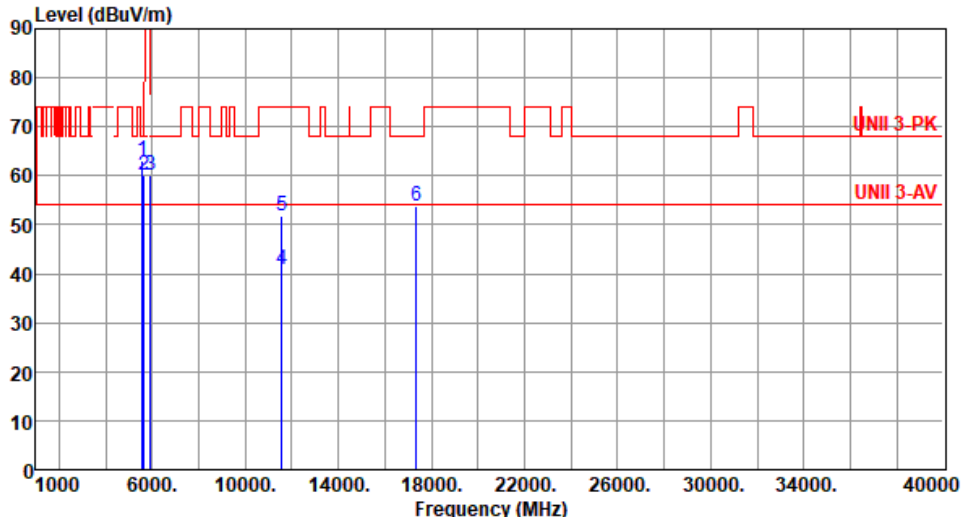
Modulation	11a	Test Freq. (MHz)	5745						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):22 Humidity(%):63									
									
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5553.00	59.90	68.20	-8.30	59.06	0.84	Peak	236	2
2	5650.00	60.91	68.20	-7.29	59.99	0.92	Peak	236	2
3	5700.00	61.97	105.20	-43.23	60.92	1.05	Peak	236	2
4	5720.00	64.82	110.80	-45.98	63.73	1.09	Peak	236	2
5	5725.00	66.48	122.20	-55.72	65.37	1.11	Peak	236	2
6	5925.00	58.76	68.20	-9.44	57.10	1.66	Peak	236	2
7	11490.00	40.80	54.00	-13.20	31.57	9.23	Average	100	40
8	11490.00	51.53	74.00	-22.47	42.30	9.23	Peak	100	40
9	17235.00	53.76	68.20	-14.44	46.48	7.28	Peak	100	49

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).



Modulation	11a	Test Freq. (MHz)	5745
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):22 Humidity(%):63			
Level (dBUV/m)			

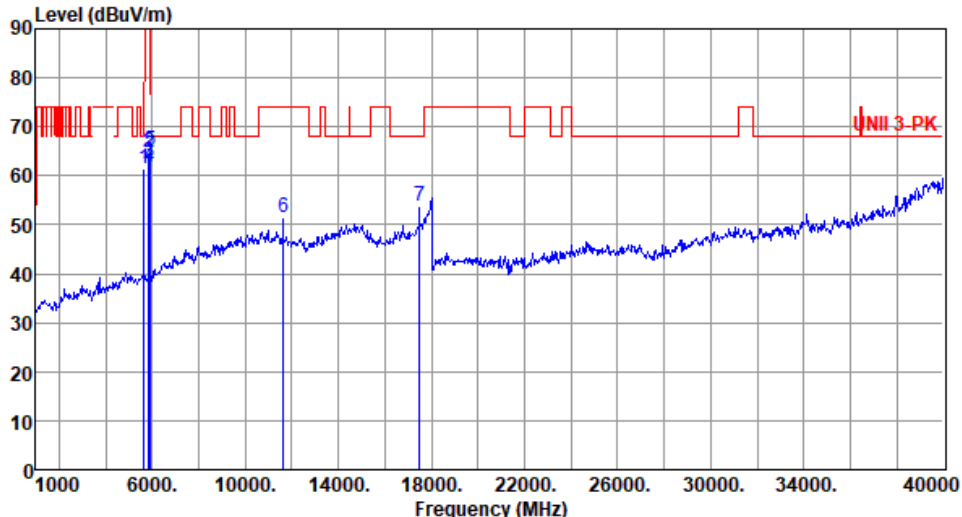


Modulation	11a	Test Freq. (MHz)	5785						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):22 Humidity(%):63									
Level (dBuV/m)  Frequency (MHz)									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5593.00	63.12	68.20	-5.08	62.32	0.80	Peak	235	6
2	5650.00	60.09	68.20	-8.11	59.17	0.92	Peak	235	6
3	5925.00	60.08	68.20	-8.12	58.42	1.66	Peak	235	6
4	11570.00	40.92	54.00	-13.08	31.86	9.06	Average	100	51
5	11570.00	51.66	74.00	-22.34	42.60	9.06	Peak	100	51
6	17355.00	53.82	68.20	-14.38	46.14	7.68	Peak	100	22
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



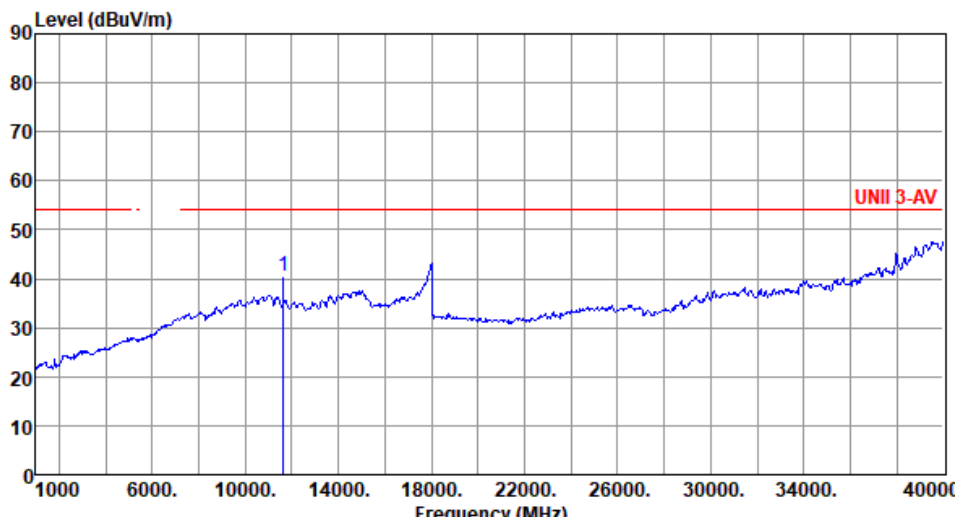
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):22 Humidity(%):63			
Level (dBuV/m) <			



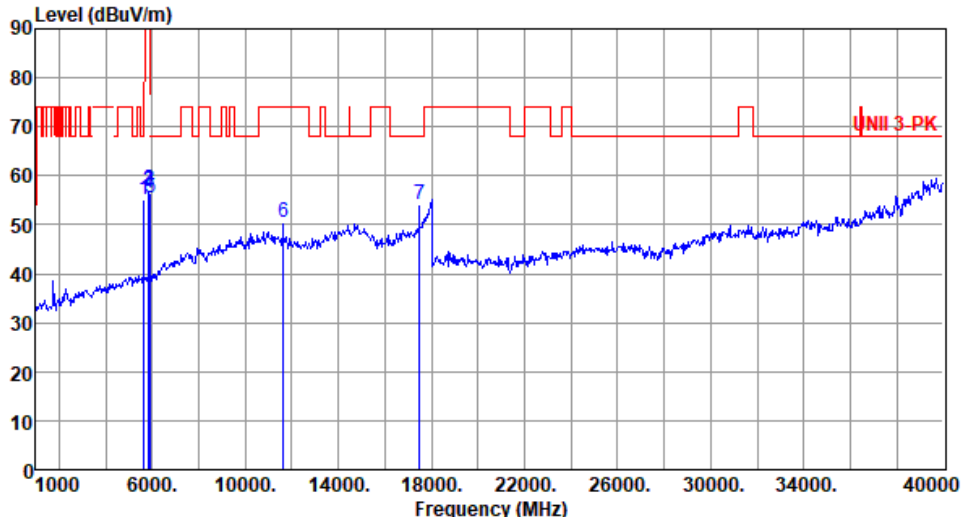
Modulation	11a	Test Freq. (MHz)	5825						
Polarization	Horizontal-Peak Value								
Test By :Brad Wu Temperature(°C):22 Humidity(%):63									
									
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn
	MHz	level			reading			High	Table
		dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5633.00	61.51	68.20	-6.69	60.63	0.88	Peak	232	8
2	5850.00	64.68	122.20	-57.52	63.26	1.42	Peak	232	8
3	5855.00	62.92	110.80	-47.88	61.48	1.44	Peak	232	8
4	5875.00	61.80	105.20	-43.40	60.26	1.54	Peak	232	8
5	5925.00	65.07	68.20	-3.13	63.41	1.66	Peak	232	8
6	11650.00	51.39	74.00	-22.61	42.73	8.66	Peak	100	36
7	17475.00	53.65	68.20	-14.55	45.45	8.20	Peak	100	14

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor, cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).



Modulation	11a	Test Freq. (MHz)	5825																														
Polarization	Horizontal-Average Value																																
Test By :Brad Wu Temperature(°C):22 Humidity(%):63																																	
Level (dBuV/m)  Frequency (MHz) <table><tr><th></th><th>Freq.</th><th>Emission level</th><th>Limit</th><th>Margin</th><th>SA reading</th><th>Factor</th><th>Remark</th><th>ANT High</th><th>Turn Table</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11650.00</td><td>40.66</td><td>54.00</td><td>-13.34</td><td>32.00</td><td>8.66</td><td>Average</td><td>100</td><td>36</td></tr></table>					Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg	1	11650.00	40.66	54.00	-13.34	32.00	8.66	Average	100	36
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table																								
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg																								
1	11650.00	40.66	54.00	-13.34	32.00	8.66	Average	100	36																								
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor, cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																	

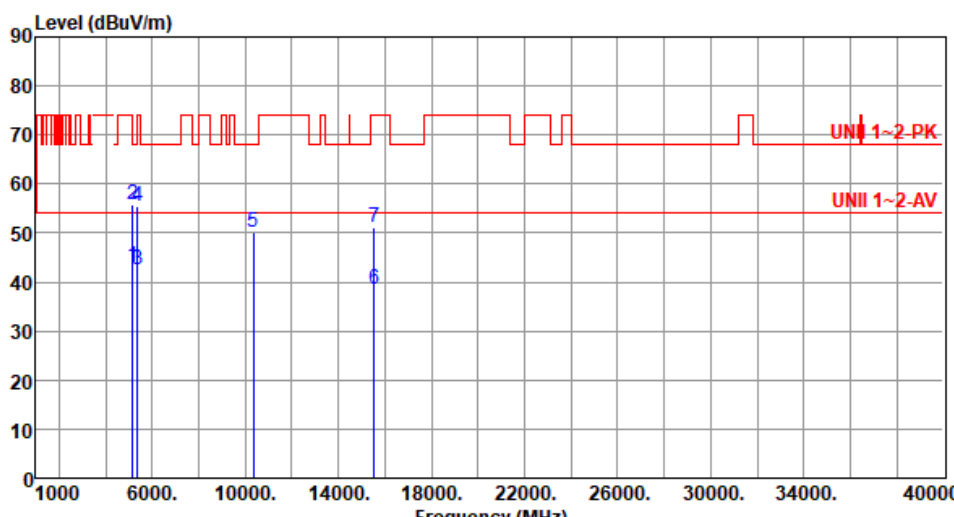


Modulation	11a	Test Freq. (MHz)	5825																																																																																
Polarization	Vertical-Peak Value																																																																																		
Test By :Brad Wu Temperature(°C):22 Humidity(%):63																																																																																			
Level (dBUV/m)  Frequency (MHz) <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5633.00</td><td>55.18</td><td>68.20</td><td>-13.02</td><td>54.30</td><td>0.88</td><td>Peak</td><td>234</td><td>6</td></tr><tr><td>2</td><td>5850.00</td><td>57.02</td><td>122.20</td><td>-65.18</td><td>55.60</td><td>1.42</td><td>Peak</td><td>234</td><td>6</td></tr><tr><td>3</td><td>5855.00</td><td>56.77</td><td>110.80</td><td>-54.03</td><td>55.33</td><td>1.44</td><td>Peak</td><td>234</td><td>6</td></tr><tr><td>4</td><td>5875.00</td><td>56.36</td><td>105.20</td><td>-48.84</td><td>54.82</td><td>1.54</td><td>Peak</td><td>234</td><td>6</td></tr><tr><td>5</td><td>5925.00</td><td>55.43</td><td>68.20</td><td>-12.77</td><td>53.77</td><td>1.66</td><td>Peak</td><td>234</td><td>6</td></tr><tr><td>6</td><td>11650.00</td><td>50.62</td><td>74.00</td><td>-23.38</td><td>41.96</td><td>8.66</td><td>Peak</td><td>100</td><td>21</td></tr><tr><td>7</td><td>17475.00</td><td>54.18</td><td>68.20</td><td>-14.02</td><td>45.98</td><td>8.20</td><td>Peak</td><td>100</td><td>42</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5633.00	55.18	68.20	-13.02	54.30	0.88	Peak	234	6	2	5850.00	57.02	122.20	-65.18	55.60	1.42	Peak	234	6	3	5855.00	56.77	110.80	-54.03	55.33	1.44	Peak	234	6	4	5875.00	56.36	105.20	-48.84	54.82	1.54	Peak	234	6	5	5925.00	55.43	68.20	-12.77	53.77	1.66	Peak	234	6	6	11650.00	50.62	74.00	-23.38	41.96	8.66	Peak	100	21	7	17475.00	54.18	68.20	-14.02	45.98	8.20	Peak	100	42
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
1	5633.00	55.18	68.20	-13.02	54.30	0.88	Peak	234	6																																																																										
2	5850.00	57.02	122.20	-65.18	55.60	1.42	Peak	234	6																																																																										
3	5855.00	56.77	110.80	-54.03	55.33	1.44	Peak	234	6																																																																										
4	5875.00	56.36	105.20	-48.84	54.82	1.54	Peak	234	6																																																																										
5	5925.00	55.43	68.20	-12.77	53.77	1.66	Peak	234	6																																																																										
6	11650.00	50.62	74.00	-23.38	41.96	8.66	Peak	100	21																																																																										
7	17475.00	54.18	68.20	-14.02	45.98	8.20	Peak	100	42																																																																										
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor, cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).																																																																																			



Modulation	11a	Test Freq. (MHz)	5825
Polarization	Vertical -Average Value		
Test By :Brad Wu Temperature(°C):22 Humidity(%):63			
Level (dBuV/m) <			

Unwanted Emissions (Above 1GHz) for ax HE20

Modulation	ax HE20	Test Freq. (MHz)	5180																																																																																
Polarization	Horizontal																																																																																		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64																																																																																			
Level (dBUV/m)  <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>43.28</td><td>54.00</td><td>-10.72</td><td>41.28</td><td>2.00</td><td>Average</td><td>100</td><td>275</td></tr><tr><td>2</td><td>5150.00</td><td>55.81</td><td>74.00</td><td>-18.19</td><td>53.81</td><td>2.00</td><td>Peak</td><td>100</td><td>275</td></tr><tr><td>3</td><td>5350.00</td><td>42.57</td><td>54.00</td><td>-11.43</td><td>41.16</td><td>1.41</td><td>Average</td><td>100</td><td>275</td></tr><tr><td>4</td><td>5350.00</td><td>55.52</td><td>74.00</td><td>-18.48</td><td>54.11</td><td>1.41</td><td>Peak</td><td>100</td><td>275</td></tr><tr><td>5</td><td>10360.00</td><td>50.23</td><td>68.20</td><td>-17.97</td><td>41.21</td><td>9.02</td><td>Peak</td><td>100</td><td>280</td></tr><tr><td>6</td><td>15540.00</td><td>38.38</td><td>54.00</td><td>-15.62</td><td>31.63</td><td>6.75</td><td>Average</td><td>100</td><td>178</td></tr><tr><td>7</td><td>15540.00</td><td>51.14</td><td>74.00</td><td>-22.86</td><td>44.39</td><td>6.75</td><td>Peak</td><td>100</td><td>178</td></tr></tbody></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	43.28	54.00	-10.72	41.28	2.00	Average	100	275	2	5150.00	55.81	74.00	-18.19	53.81	2.00	Peak	100	275	3	5350.00	42.57	54.00	-11.43	41.16	1.41	Average	100	275	4	5350.00	55.52	74.00	-18.48	54.11	1.41	Peak	100	275	5	10360.00	50.23	68.20	-17.97	41.21	9.02	Peak	100	280	6	15540.00	38.38	54.00	-15.62	31.63	6.75	Average	100	178	7	15540.00	51.14	74.00	-22.86	44.39	6.75	Peak	100	178
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
1	5150.00	43.28	54.00	-10.72	41.28	2.00	Average	100	275																																																																										
2	5150.00	55.81	74.00	-18.19	53.81	2.00	Peak	100	275																																																																										
3	5350.00	42.57	54.00	-11.43	41.16	1.41	Average	100	275																																																																										
4	5350.00	55.52	74.00	-18.48	54.11	1.41	Peak	100	275																																																																										
5	10360.00	50.23	68.20	-17.97	41.21	9.02	Peak	100	280																																																																										
6	15540.00	38.38	54.00	-15.62	31.63	6.75	Average	100	178																																																																										
7	15540.00	51.14	74.00	-22.86	44.39	6.75	Peak	100	178																																																																										
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).																																																																																			



Modulation	ax HE20	Test Freq. (MHz)	5180
Polarization	Vertical		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64			
Level (dBuV/m)			



Modulation	ax HE20	Test Freq. (MHz)	5200																																																																																
Polarization	Horizontal																																																																																		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64																																																																																			
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>43.31</td><td>54.00</td><td>-10.69</td><td>41.31</td><td>2.00</td><td>Average</td><td>100</td><td>216</td></tr><tr><td>2</td><td>5150.00</td><td>55.92</td><td>74.00</td><td>-18.08</td><td>53.92</td><td>2.00</td><td>Peak</td><td>100</td><td>216</td></tr><tr><td>3</td><td>5350.00</td><td>42.60</td><td>54.00</td><td>-11.40</td><td>41.19</td><td>1.41</td><td>Average</td><td>100</td><td>216</td></tr><tr><td>4</td><td>5350.00</td><td>55.49</td><td>74.00</td><td>-18.51</td><td>54.08</td><td>1.41</td><td>Peak</td><td>100</td><td>216</td></tr><tr><td>5</td><td>10400.00</td><td>50.47</td><td>68.20</td><td>-17.73</td><td>41.38</td><td>9.09</td><td>Peak</td><td>100</td><td>213</td></tr><tr><td>6</td><td>15600.00</td><td>37.91</td><td>54.00</td><td>-16.09</td><td>31.33</td><td>6.58</td><td>Average</td><td>100</td><td>241</td></tr><tr><td>7</td><td>15600.00</td><td>50.83</td><td>74.00</td><td>-23.17</td><td>44.25</td><td>6.58</td><td>Peak</td><td>100</td><td>241</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	43.31	54.00	-10.69	41.31	2.00	Average	100	216	2	5150.00	55.92	74.00	-18.08	53.92	2.00	Peak	100	216	3	5350.00	42.60	54.00	-11.40	41.19	1.41	Average	100	216	4	5350.00	55.49	74.00	-18.51	54.08	1.41	Peak	100	216	5	10400.00	50.47	68.20	-17.73	41.38	9.09	Peak	100	213	6	15600.00	37.91	54.00	-16.09	31.33	6.58	Average	100	241	7	15600.00	50.83	74.00	-23.17	44.25	6.58	Peak	100	241
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
1	5150.00	43.31	54.00	-10.69	41.31	2.00	Average	100	216																																																																										
2	5150.00	55.92	74.00	-18.08	53.92	2.00	Peak	100	216																																																																										
3	5350.00	42.60	54.00	-11.40	41.19	1.41	Average	100	216																																																																										
4	5350.00	55.49	74.00	-18.51	54.08	1.41	Peak	100	216																																																																										
5	10400.00	50.47	68.20	-17.73	41.38	9.09	Peak	100	213																																																																										
6	15600.00	37.91	54.00	-16.09	31.33	6.58	Average	100	241																																																																										
7	15600.00	50.83	74.00	-23.17	44.25	6.58	Peak	100	241																																																																										



Modulation	ax HE20	Test Freq. (MHz)	5200																																																																																
Polarization	Vertical																																																																																		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64																																																																																			
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>42.97</td><td>54.00</td><td>-11.03</td><td>40.97</td><td>2.00</td><td>Average</td><td>100</td><td>238</td></tr><tr><td>2</td><td>5150.00</td><td>56.02</td><td>74.00</td><td>-17.98</td><td>54.02</td><td>2.00</td><td>Peak</td><td>100</td><td>238</td></tr><tr><td>3</td><td>5350.00</td><td>42.31</td><td>54.00</td><td>-11.69</td><td>40.90</td><td>1.41</td><td>Average</td><td>100</td><td>238</td></tr><tr><td>4</td><td>5350.00</td><td>55.25</td><td>74.00</td><td>-18.75</td><td>53.84</td><td>1.41</td><td>Peak</td><td>100</td><td>238</td></tr><tr><td>5</td><td>10400.00</td><td>51.01</td><td>68.20</td><td>-17.19</td><td>41.92</td><td>9.09</td><td>Peak</td><td>100</td><td>250</td></tr><tr><td>6</td><td>15600.00</td><td>38.00</td><td>54.00</td><td>-16.00</td><td>31.42</td><td>6.58</td><td>Average</td><td>100</td><td>266</td></tr><tr><td>7</td><td>15600.00</td><td>51.02</td><td>74.00</td><td>-22.98</td><td>44.44</td><td>6.58</td><td>Peak</td><td>100</td><td>266</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	42.97	54.00	-11.03	40.97	2.00	Average	100	238	2	5150.00	56.02	74.00	-17.98	54.02	2.00	Peak	100	238	3	5350.00	42.31	54.00	-11.69	40.90	1.41	Average	100	238	4	5350.00	55.25	74.00	-18.75	53.84	1.41	Peak	100	238	5	10400.00	51.01	68.20	-17.19	41.92	9.09	Peak	100	250	6	15600.00	38.00	54.00	-16.00	31.42	6.58	Average	100	266	7	15600.00	51.02	74.00	-22.98	44.44	6.58	Peak	100	266
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
1	5150.00	42.97	54.00	-11.03	40.97	2.00	Average	100	238																																																																										
2	5150.00	56.02	74.00	-17.98	54.02	2.00	Peak	100	238																																																																										
3	5350.00	42.31	54.00	-11.69	40.90	1.41	Average	100	238																																																																										
4	5350.00	55.25	74.00	-18.75	53.84	1.41	Peak	100	238																																																																										
5	10400.00	51.01	68.20	-17.19	41.92	9.09	Peak	100	250																																																																										
6	15600.00	38.00	54.00	-16.00	31.42	6.58	Average	100	266																																																																										
7	15600.00	51.02	74.00	-22.98	44.44	6.58	Peak	100	266																																																																										

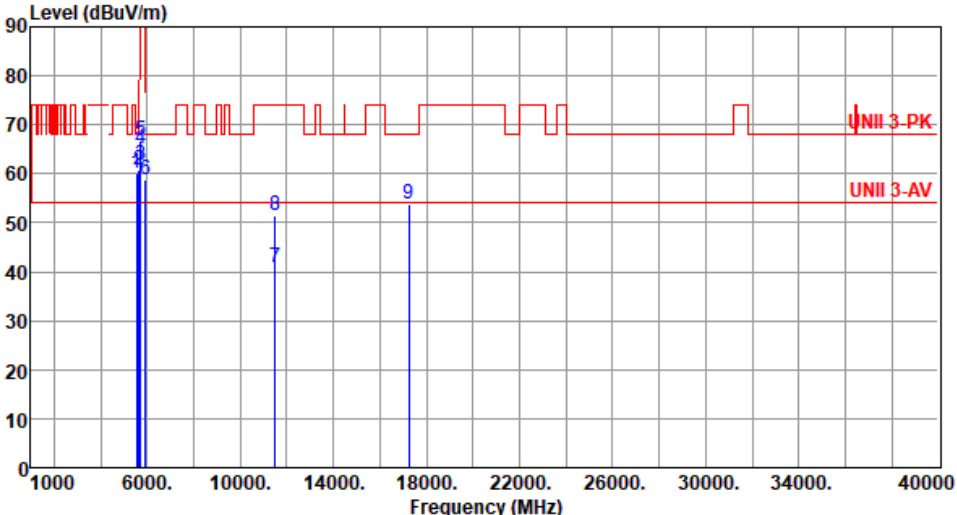


Modulation	ax HE20	Test Freq. (MHz)	5240
Polarization	Horizontal		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64			
Level (dBuV/m)			

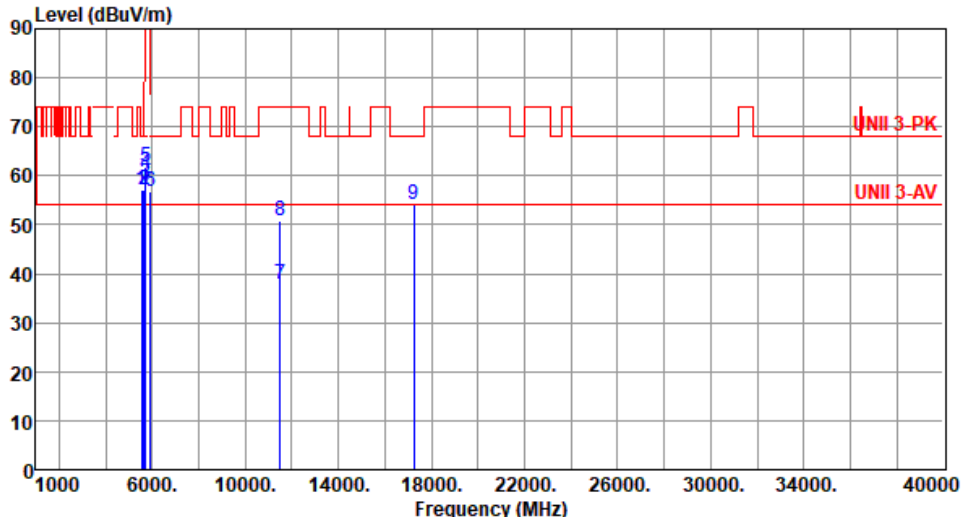


Modulation	ax HE20	Test Freq. (MHz)	5240																																																																																																				
Polarization	Vertical																																																																																																						
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64																																																																																																							
Level (dBuV/m) <table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5150.00</td><td>42.85</td><td>54.00</td><td>-11.15</td><td>40.85</td><td>2.00</td><td>Average</td><td>100</td><td>240</td></tr><tr><td>2</td><td>5150.00</td><td>55.93</td><td>74.00</td><td>-18.07</td><td>53.93</td><td>2.00</td><td>Peak</td><td>100</td><td>240</td></tr><tr><td>3</td><td>5350.00</td><td>42.16</td><td>54.00</td><td>-11.84</td><td>40.75</td><td>1.41</td><td>Average</td><td>100</td><td>240</td></tr><tr><td>4</td><td>5350.00</td><td>55.11</td><td>74.00</td><td>-18.89</td><td>53.70</td><td>1.41</td><td>Peak</td><td>100</td><td>240</td></tr><tr><td>5</td><td>10480.00</td><td>49.32</td><td>68.20</td><td>-18.88</td><td>40.42</td><td>8.90</td><td>Peak</td><td>100</td><td>176</td></tr><tr><td>6</td><td>15720.00</td><td>38.44</td><td>54.00</td><td>-15.56</td><td>31.98</td><td>6.46</td><td>Average</td><td>100</td><td>284</td></tr><tr><td>7</td><td>15720.00</td><td>50.83</td><td>74.00</td><td>-23.17</td><td>44.37</td><td>6.46</td><td>Peak</td><td>100</td><td>284</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	5150.00	42.85	54.00	-11.15	40.85	2.00	Average	100	240	2	5150.00	55.93	74.00	-18.07	53.93	2.00	Peak	100	240	3	5350.00	42.16	54.00	-11.84	40.75	1.41	Average	100	240	4	5350.00	55.11	74.00	-18.89	53.70	1.41	Peak	100	240	5	10480.00	49.32	68.20	-18.88	40.42	8.90	Peak	100	176	6	15720.00	38.44	54.00	-15.56	31.98	6.46	Average	100	284	7	15720.00	50.83	74.00	-23.17	44.37	6.46	Peak	100	284
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																														
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																																																														
								cm	deg																																																																																														
1	5150.00	42.85	54.00	-11.15	40.85	2.00	Average	100	240																																																																																														
2	5150.00	55.93	74.00	-18.07	53.93	2.00	Peak	100	240																																																																																														
3	5350.00	42.16	54.00	-11.84	40.75	1.41	Average	100	240																																																																																														
4	5350.00	55.11	74.00	-18.89	53.70	1.41	Peak	100	240																																																																																														
5	10480.00	49.32	68.20	-18.88	40.42	8.90	Peak	100	176																																																																																														
6	15720.00	38.44	54.00	-15.56	31.98	6.46	Average	100	284																																																																																														
7	15720.00	50.83	74.00	-23.17	44.37	6.46	Peak	100	284																																																																																														
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																																							



Modulation	ax HE20	Test Freq. (MHz)	5745																																																																																																																								
Polarization	Horizontal																																																																																																																										
Test By :Brad Wu Temperature(°C):22 Humidity(%):63																																																																																																																											
Level (dBuV/m)  Frequency (MHz) <table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th>dBuV/m</th><th></th><th></th><th>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5553.00</td><td>60.02</td><td>68.20</td><td>-8.18</td><td>59.18</td><td>0.84</td><td>Peak</td><td>240</td><td>5</td></tr><tr><td>2</td><td>5650.00</td><td>60.92</td><td>68.20</td><td>-7.28</td><td>60.00</td><td>0.92</td><td>Peak</td><td>240</td><td>5</td></tr><tr><td>3</td><td>5700.00</td><td>61.85</td><td>105.20</td><td>-43.35</td><td>60.80</td><td>1.05</td><td>Peak</td><td>240</td><td>5</td></tr><tr><td>4</td><td>5720.00</td><td>65.12</td><td>110.80</td><td>-45.68</td><td>64.03</td><td>1.09</td><td>Peak</td><td>240</td><td>5</td></tr><tr><td>5</td><td>5725.00</td><td>66.68</td><td>122.20</td><td>-55.52</td><td>65.57</td><td>1.11</td><td>Peak</td><td>240</td><td>5</td></tr><tr><td>6</td><td>5925.00</td><td>58.81</td><td>68.20</td><td>-9.39</td><td>57.15</td><td>1.66</td><td>Peak</td><td>240</td><td>5</td></tr><tr><td>7</td><td>11490.00</td><td>40.75</td><td>54.00</td><td>-13.25</td><td>31.52</td><td>9.23</td><td>Average</td><td>100</td><td>39</td></tr><tr><td>8</td><td>11490.00</td><td>51.48</td><td>74.00</td><td>-22.52</td><td>42.25</td><td>9.23</td><td>Peak</td><td>100</td><td>39</td></tr><tr><td>9</td><td>17235.00</td><td>53.69</td><td>68.20</td><td>-14.51</td><td>46.41</td><td>7.28</td><td>Peak</td><td>100</td><td>22</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table			dBuV/m			dBuV			cm	deg	1	5553.00	60.02	68.20	-8.18	59.18	0.84	Peak	240	5	2	5650.00	60.92	68.20	-7.28	60.00	0.92	Peak	240	5	3	5700.00	61.85	105.20	-43.35	60.80	1.05	Peak	240	5	4	5720.00	65.12	110.80	-45.68	64.03	1.09	Peak	240	5	5	5725.00	66.68	122.20	-55.52	65.57	1.11	Peak	240	5	6	5925.00	58.81	68.20	-9.39	57.15	1.66	Peak	240	5	7	11490.00	40.75	54.00	-13.25	31.52	9.23	Average	100	39	8	11490.00	51.48	74.00	-22.52	42.25	9.23	Peak	100	39	9	17235.00	53.69	68.20	-14.51	46.41	7.28	Peak	100	22
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																																		
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																																																																																		
		dBuV/m			dBuV			cm	deg																																																																																																																		
1	5553.00	60.02	68.20	-8.18	59.18	0.84	Peak	240	5																																																																																																																		
2	5650.00	60.92	68.20	-7.28	60.00	0.92	Peak	240	5																																																																																																																		
3	5700.00	61.85	105.20	-43.35	60.80	1.05	Peak	240	5																																																																																																																		
4	5720.00	65.12	110.80	-45.68	64.03	1.09	Peak	240	5																																																																																																																		
5	5725.00	66.68	122.20	-55.52	65.57	1.11	Peak	240	5																																																																																																																		
6	5925.00	58.81	68.20	-9.39	57.15	1.66	Peak	240	5																																																																																																																		
7	11490.00	40.75	54.00	-13.25	31.52	9.23	Average	100	39																																																																																																																		
8	11490.00	51.48	74.00	-22.52	42.25	9.23	Peak	100	39																																																																																																																		
9	17235.00	53.69	68.20	-14.51	46.41	7.28	Peak	100	22																																																																																																																		
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																																																											



Modulation	ax HE20	Test Freq. (MHz)	5745																																																																																																				
Polarization	Vertical																																																																																																						
Test By :Brad Wu Temperature(°C):22 Humidity(%):63																																																																																																							
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5553.00</td><td>57.06</td><td>68.20</td><td>-11.14</td><td>56.22</td><td>0.84</td><td>Peak</td><td>241</td><td>9</td></tr><tr><td>2</td><td>5650.00</td><td>56.98</td><td>68.20</td><td>-11.22</td><td>56.06</td><td>0.92</td><td>Peak</td><td>241</td><td>9</td></tr><tr><td>3</td><td>5700.00</td><td>58.45</td><td>105.20</td><td>-46.75</td><td>57.40</td><td>1.05</td><td>Peak</td><td>241</td><td>9</td></tr><tr><td>4</td><td>5720.00</td><td>60.56</td><td>110.80</td><td>-50.24</td><td>59.47</td><td>1.09</td><td>Peak</td><td>241</td><td>9</td></tr><tr><td>5</td><td>5725.00</td><td>61.88</td><td>122.20</td><td>-60.32</td><td>60.77</td><td>1.11</td><td>Peak</td><td>241</td><td>9</td></tr><tr><td>6</td><td>5925.00</td><td>56.92</td><td>68.20</td><td>-11.28</td><td>55.26</td><td>1.66</td><td>Peak</td><td>241</td><td>9</td></tr><tr><td>7</td><td>11490.00</td><td>37.84</td><td>54.00</td><td>-16.16</td><td>28.61</td><td>9.23</td><td>Average</td><td>100</td><td>34</td></tr><tr><td>8</td><td>11490.00</td><td>50.66</td><td>74.00</td><td>-23.34</td><td>41.43</td><td>9.23</td><td>Peak</td><td>100</td><td>34</td></tr><tr><td>9</td><td>17235.00</td><td>54.15</td><td>68.20</td><td>-14.05</td><td>46.87</td><td>7.28</td><td>Peak</td><td>100</td><td>51</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5553.00	57.06	68.20	-11.14	56.22	0.84	Peak	241	9	2	5650.00	56.98	68.20	-11.22	56.06	0.92	Peak	241	9	3	5700.00	58.45	105.20	-46.75	57.40	1.05	Peak	241	9	4	5720.00	60.56	110.80	-50.24	59.47	1.09	Peak	241	9	5	5725.00	61.88	122.20	-60.32	60.77	1.11	Peak	241	9	6	5925.00	56.92	68.20	-11.28	55.26	1.66	Peak	241	9	7	11490.00	37.84	54.00	-16.16	28.61	9.23	Average	100	34	8	11490.00	50.66	74.00	-23.34	41.43	9.23	Peak	100	34	9	17235.00	54.15	68.20	-14.05	46.87	7.28	Peak	100	51
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																														
1	5553.00	57.06	68.20	-11.14	56.22	0.84	Peak	241	9																																																																																														
2	5650.00	56.98	68.20	-11.22	56.06	0.92	Peak	241	9																																																																																														
3	5700.00	58.45	105.20	-46.75	57.40	1.05	Peak	241	9																																																																																														
4	5720.00	60.56	110.80	-50.24	59.47	1.09	Peak	241	9																																																																																														
5	5725.00	61.88	122.20	-60.32	60.77	1.11	Peak	241	9																																																																																														
6	5925.00	56.92	68.20	-11.28	55.26	1.66	Peak	241	9																																																																																														
7	11490.00	37.84	54.00	-16.16	28.61	9.23	Average	100	34																																																																																														
8	11490.00	50.66	74.00	-23.34	41.43	9.23	Peak	100	34																																																																																														
9	17235.00	54.15	68.20	-14.05	46.87	7.28	Peak	100	51																																																																																														
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																																							

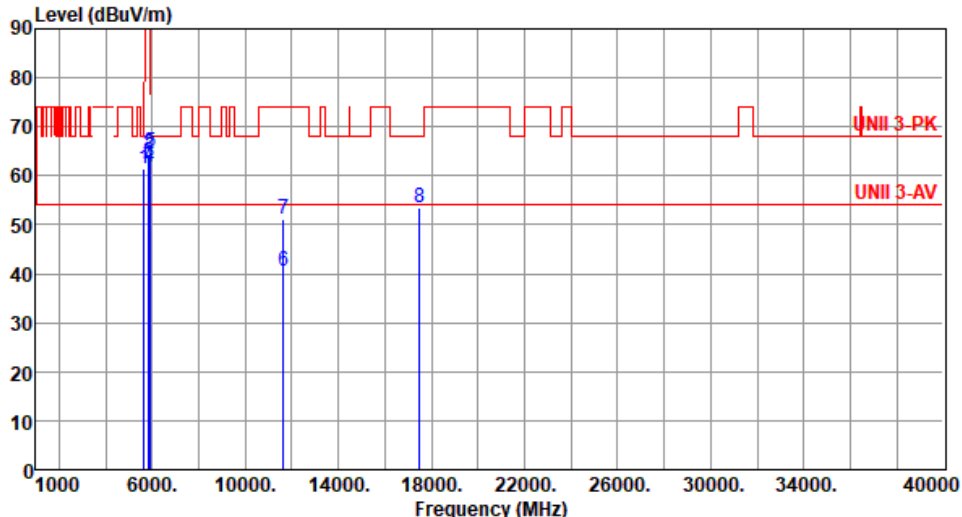


Modulation	ax HE20	Test Freq. (MHz)	5785
Polarization	Horizontal		
Test By :Brad Wu Temperature(°C):22 Humidity(%):63			
Level (dBuV/m) <			



Modulation	ax HE20	Test Freq. (MHz)	5785																																																																						
Polarization	Vertical																																																																								
Test By :Brad Wu Temperature(°C):22 Humidity(%):63																																																																									
Level (dBuV/m) Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5593.00</td><td>55.34</td><td>68.20</td><td>-12.86</td><td>54.54</td><td>0.80</td><td>Peak</td><td>229</td><td>5</td></tr><tr><td>2</td><td>5650.00</td><td>55.26</td><td>68.20</td><td>-12.94</td><td>54.34</td><td>0.92</td><td>Peak</td><td>229</td><td>5</td></tr><tr><td>3</td><td>5925.00</td><td>56.31</td><td>68.20</td><td>-11.89</td><td>54.65</td><td>1.66</td><td>Peak</td><td>229</td><td>5</td></tr><tr><td>4</td><td>11570.00</td><td>37.94</td><td>54.00</td><td>-16.06</td><td>28.88</td><td>9.06</td><td>Average</td><td>100</td><td>22</td></tr><tr><td>5</td><td>11570.00</td><td>50.76</td><td>74.00</td><td>-23.24</td><td>41.70</td><td>9.06</td><td>Peak</td><td>100</td><td>22</td></tr><tr><td>6</td><td>17355.00</td><td>54.28</td><td>68.20</td><td>-13.92</td><td>46.60</td><td>7.68</td><td>Peak</td><td>100</td><td>46</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5593.00	55.34	68.20	-12.86	54.54	0.80	Peak	229	5	2	5650.00	55.26	68.20	-12.94	54.34	0.92	Peak	229	5	3	5925.00	56.31	68.20	-11.89	54.65	1.66	Peak	229	5	4	11570.00	37.94	54.00	-16.06	28.88	9.06	Average	100	22	5	11570.00	50.76	74.00	-23.24	41.70	9.06	Peak	100	22	6	17355.00	54.28	68.20	-13.92	46.60	7.68	Peak	100	46
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																
1	5593.00	55.34	68.20	-12.86	54.54	0.80	Peak	229	5																																																																
2	5650.00	55.26	68.20	-12.94	54.34	0.92	Peak	229	5																																																																
3	5925.00	56.31	68.20	-11.89	54.65	1.66	Peak	229	5																																																																
4	11570.00	37.94	54.00	-16.06	28.88	9.06	Average	100	22																																																																
5	11570.00	50.76	74.00	-23.24	41.70	9.06	Peak	100	22																																																																
6	17355.00	54.28	68.20	-13.92	46.60	7.68	Peak	100	46																																																																
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																									

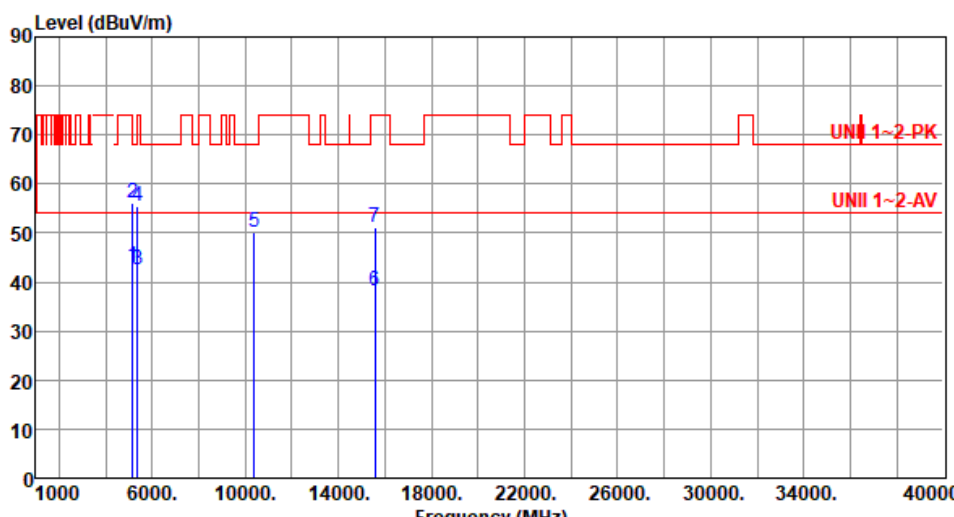


Modulation	ax HE20	Test Freq. (MHz)	5825						
Polarization	Horizontal								
Test By :Brad Wu Temperature(°C):22 Humidity(%):63									
									
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5633.00	61.42	68.20	-6.78	60.54	0.88	Peak	238	9
2	5850.00	64.55	122.20	-57.65	63.13	1.42	Peak	238	9
3	5855.00	62.81	110.80	-47.99	61.37	1.44	Peak	238	9
4	5875.00	61.64	105.20	-43.56	60.10	1.54	Peak	238	9
5	5925.00	64.92	68.20	-3.28	63.26	1.66	Peak	238	9
6	11650.00	40.54	54.00	-13.46	31.88	8.66	Average	100	56
7	11650.00	51.24	74.00	-22.76	42.58	8.66	Peak	100	56
8	17475.00	53.58	68.20	-14.62	45.38	8.20	Peak	100	41
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).									



Modulation	ax HE20	Test Freq. (MHz)	5825
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):22 Humidity(%):63			
Level (dBuV/m)			

Unwanted Emissions (Above 1GHz) for ax HE40

Modulation	ax HE40	Test Freq. (MHz)	5190																																																																																
Polarization	Horizontal																																																																																		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64																																																																																			
Level (dBUV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</th><th>Limit dBUV/m</th><th>Margin dB</th><th>SA reading dBUV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>43.18</td><td>54.00</td><td>-10.82</td><td>41.18</td><td>2.00</td><td>Average</td><td>100</td><td>233</td></tr><tr><td>2</td><td>5150.00</td><td>56.16</td><td>74.00</td><td>-17.84</td><td>54.16</td><td>2.00</td><td>Peak</td><td>100</td><td>233</td></tr><tr><td>3</td><td>5350.00</td><td>42.53</td><td>54.00</td><td>-11.47</td><td>41.12</td><td>1.41</td><td>Average</td><td>100</td><td>233</td></tr><tr><td>4</td><td>5350.00</td><td>55.59</td><td>74.00</td><td>-18.41</td><td>54.18</td><td>1.41</td><td>Peak</td><td>100</td><td>233</td></tr><tr><td>5</td><td>10380.00</td><td>50.23</td><td>68.20</td><td>-17.97</td><td>41.17</td><td>9.06</td><td>Peak</td><td>100</td><td>294</td></tr><tr><td>6</td><td>15570.00</td><td>38.36</td><td>54.00</td><td>-15.64</td><td>31.68</td><td>6.68</td><td>Average</td><td>100</td><td>301</td></tr><tr><td>7</td><td>15570.00</td><td>51.01</td><td>74.00</td><td>-22.99</td><td>44.33</td><td>6.68</td><td>Peak</td><td>100</td><td>301</td></tr></tbody></table> Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5150.00	43.18	54.00	-10.82	41.18	2.00	Average	100	233	2	5150.00	56.16	74.00	-17.84	54.16	2.00	Peak	100	233	3	5350.00	42.53	54.00	-11.47	41.12	1.41	Average	100	233	4	5350.00	55.59	74.00	-18.41	54.18	1.41	Peak	100	233	5	10380.00	50.23	68.20	-17.97	41.17	9.06	Peak	100	294	6	15570.00	38.36	54.00	-15.64	31.68	6.68	Average	100	301	7	15570.00	51.01	74.00	-22.99	44.33	6.68	Peak	100	301
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																										
1	5150.00	43.18	54.00	-10.82	41.18	2.00	Average	100	233																																																																										
2	5150.00	56.16	74.00	-17.84	54.16	2.00	Peak	100	233																																																																										
3	5350.00	42.53	54.00	-11.47	41.12	1.41	Average	100	233																																																																										
4	5350.00	55.59	74.00	-18.41	54.18	1.41	Peak	100	233																																																																										
5	10380.00	50.23	68.20	-17.97	41.17	9.06	Peak	100	294																																																																										
6	15570.00	38.36	54.00	-15.64	31.68	6.68	Average	100	301																																																																										
7	15570.00	51.01	74.00	-22.99	44.33	6.68	Peak	100	301																																																																										



Modulation	ax HE40	Test Freq. (MHz)	5190						
Polarization	Vertical								
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64									
Level (dBuV/m) Frequency (MHz)									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	42.92	54.00	-11.08	40.92	2.00	Average	100	267
2	5150.00	55.71	74.00	-18.29	53.71	2.00	Peak	100	267
3	5350.00	42.23	54.00	-11.77	40.82	1.41	Average	100	267
4	5350.00	55.13	74.00	-18.87	53.72	1.41	Peak	100	267
5	10380.00	50.83	68.20	-17.37	41.77	9.06	Peak	100	276
6	15570.00	38.17	54.00	-15.83	31.49	6.68	Average	100	290
7	15570.00	51.06	74.00	-22.94	44.38	6.68	Peak	100	290
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).									



Modulation	ax HE40	Test Freq. (MHz)	5230																																																																																																				
Polarization	Horizontal																																																																																																						
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64																																																																																																							
Level (dBuV/m) <table><thead><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>43.15</td><td>54.00</td><td>-10.85</td><td>41.15</td><td>2.00</td><td>Average</td><td>100</td><td>228</td></tr><tr><td>2</td><td>5150.00</td><td>56.15</td><td>74.00</td><td>-17.85</td><td>54.15</td><td>2.00</td><td>Peak</td><td>100</td><td>228</td></tr><tr><td>3</td><td>5350.00</td><td>42.45</td><td>54.00</td><td>-11.55</td><td>41.04</td><td>1.41</td><td>Average</td><td>100</td><td>228</td></tr><tr><td>4</td><td>5350.00</td><td>55.53</td><td>74.00</td><td>-18.47</td><td>54.12</td><td>1.41</td><td>Peak</td><td>100</td><td>228</td></tr><tr><td>5</td><td>10460.00</td><td>49.40</td><td>68.20</td><td>-18.80</td><td>40.45</td><td>8.95</td><td>Peak</td><td>100</td><td>248</td></tr><tr><td>6</td><td>15690.00</td><td>37.07</td><td>54.00</td><td>-16.93</td><td>30.73</td><td>6.34</td><td>Average</td><td>100</td><td>236</td></tr><tr><td>7</td><td>15690.00</td><td>50.68</td><td>74.00</td><td>-23.32</td><td>44.34</td><td>6.34</td><td>Peak</td><td>100</td><td>236</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	5150.00	43.15	54.00	-10.85	41.15	2.00	Average	100	228	2	5150.00	56.15	74.00	-17.85	54.15	2.00	Peak	100	228	3	5350.00	42.45	54.00	-11.55	41.04	1.41	Average	100	228	4	5350.00	55.53	74.00	-18.47	54.12	1.41	Peak	100	228	5	10460.00	49.40	68.20	-18.80	40.45	8.95	Peak	100	248	6	15690.00	37.07	54.00	-16.93	30.73	6.34	Average	100	236	7	15690.00	50.68	74.00	-23.32	44.34	6.34	Peak	100	236
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																														
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																																																														
								cm	deg																																																																																														
1	5150.00	43.15	54.00	-10.85	41.15	2.00	Average	100	228																																																																																														
2	5150.00	56.15	74.00	-17.85	54.15	2.00	Peak	100	228																																																																																														
3	5350.00	42.45	54.00	-11.55	41.04	1.41	Average	100	228																																																																																														
4	5350.00	55.53	74.00	-18.47	54.12	1.41	Peak	100	228																																																																																														
5	10460.00	49.40	68.20	-18.80	40.45	8.95	Peak	100	248																																																																																														
6	15690.00	37.07	54.00	-16.93	30.73	6.34	Average	100	236																																																																																														
7	15690.00	50.68	74.00	-23.32	44.34	6.34	Peak	100	236																																																																																														

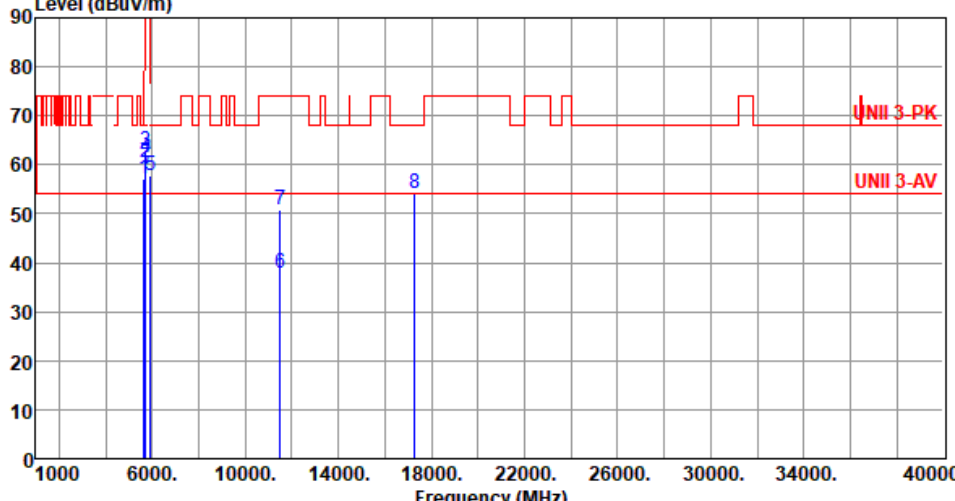


Modulation	ax HE40	Test Freq. (MHz)	5230
Polarization	Vertical		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64			
Level (dBuV/m)			

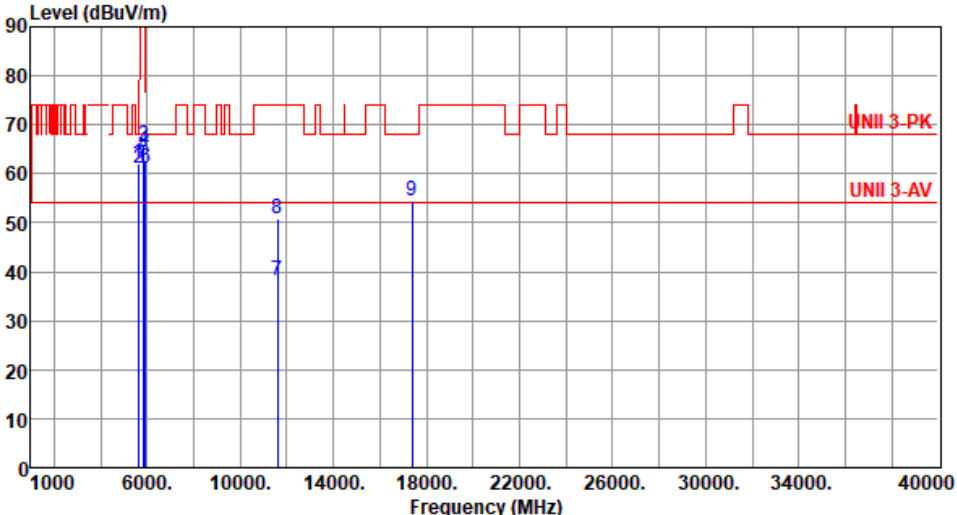


Modulation	ax HE40	Test Freq. (MHz)	5755																																																																																																														
Polarization	Horizontal																																																																																																																
Test By :Brad Wu Temperature(°C):22 Humidity(%):63																																																																																																																	
Level (dBuV/m) UNII 3-PK UNII 3-AV Frequency (MHz) <table><tr><th></th><th>Freq.</th><th>Emission</th><th>Limit</th><th>Margin</th><th>SA</th><th>Factor</th><th>Remark</th><th>ANT</th><th>Turn</th></tr><tr><th></th><th>MHz</th><th>level</th><th>dBuV/m</th><th>dB</th><th>reading</th><th>dB/m</th><th></th><th>High</th><th>Table</th></tr><tr><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5650.00</td><td>62.64</td><td>68.20</td><td>-5.56</td><td>61.72</td><td>0.92</td><td>Peak</td><td>242</td><td>11</td></tr><tr><td>2</td><td>5700.00</td><td>64.53</td><td>105.20</td><td>-40.67</td><td>63.48</td><td>1.05</td><td>Peak</td><td>242</td><td>11</td></tr><tr><td>3</td><td>5720.00</td><td>77.25</td><td>110.80</td><td>-33.55</td><td>76.16</td><td>1.09</td><td>Peak</td><td>242</td><td>11</td></tr><tr><td>4</td><td>5725.00</td><td>76.04</td><td>122.20</td><td>-46.16</td><td>74.93</td><td>1.11</td><td>Peak</td><td>242</td><td>11</td></tr><tr><td>5</td><td>5925.00</td><td>62.25</td><td>68.20</td><td>-5.95</td><td>60.59</td><td>1.66</td><td>Peak</td><td>242</td><td>11</td></tr><tr><td>6</td><td>11510.00</td><td>38.14</td><td>54.00</td><td>-15.86</td><td>28.92</td><td>9.22</td><td>Average</td><td>100</td><td>31</td></tr><tr><td>7</td><td>11510.00</td><td>50.86</td><td>74.00</td><td>-23.14</td><td>41.64</td><td>9.22</td><td>Peak</td><td>100</td><td>31</td></tr><tr><td>8</td><td>17265.00</td><td>54.41</td><td>68.20</td><td>-13.79</td><td>47.07</td><td>7.34</td><td>Peak</td><td>100</td><td>18</td></tr></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table									cm	deg	1	5650.00	62.64	68.20	-5.56	61.72	0.92	Peak	242	11	2	5700.00	64.53	105.20	-40.67	63.48	1.05	Peak	242	11	3	5720.00	77.25	110.80	-33.55	76.16	1.09	Peak	242	11	4	5725.00	76.04	122.20	-46.16	74.93	1.11	Peak	242	11	5	5925.00	62.25	68.20	-5.95	60.59	1.66	Peak	242	11	6	11510.00	38.14	54.00	-15.86	28.92	9.22	Average	100	31	7	11510.00	50.86	74.00	-23.14	41.64	9.22	Peak	100	31	8	17265.00	54.41	68.20	-13.79	47.07	7.34	Peak	100	18
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																																																								
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																																																																								
								cm	deg																																																																																																								
1	5650.00	62.64	68.20	-5.56	61.72	0.92	Peak	242	11																																																																																																								
2	5700.00	64.53	105.20	-40.67	63.48	1.05	Peak	242	11																																																																																																								
3	5720.00	77.25	110.80	-33.55	76.16	1.09	Peak	242	11																																																																																																								
4	5725.00	76.04	122.20	-46.16	74.93	1.11	Peak	242	11																																																																																																								
5	5925.00	62.25	68.20	-5.95	60.59	1.66	Peak	242	11																																																																																																								
6	11510.00	38.14	54.00	-15.86	28.92	9.22	Average	100	31																																																																																																								
7	11510.00	50.86	74.00	-23.14	41.64	9.22	Peak	100	31																																																																																																								
8	17265.00	54.41	68.20	-13.79	47.07	7.34	Peak	100	18																																																																																																								



Modulation	ax HE40	Test Freq. (MHz)	5755																																																																																										
Polarization	Vertical																																																																																												
Test By :Brad Wu Temperature(°C):22 Humidity(%):63																																																																																													
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>57.25</td><td>68.20</td><td>-10.95</td><td>56.33</td><td>0.92</td><td>Peak</td><td>228</td><td>15</td></tr><tr><td>2</td><td>5700.00</td><td>60.45</td><td>105.20</td><td>-44.75</td><td>59.40</td><td>1.05</td><td>Peak</td><td>228</td><td>15</td></tr><tr><td>3</td><td>5720.00</td><td>62.62</td><td>110.80</td><td>-48.18</td><td>61.53</td><td>1.09</td><td>Peak</td><td>228</td><td>15</td></tr><tr><td>4</td><td>5725.00</td><td>61.58</td><td>122.20</td><td>-60.62</td><td>60.47</td><td>1.11</td><td>Peak</td><td>228</td><td>15</td></tr><tr><td>5</td><td>5925.00</td><td>57.84</td><td>68.20</td><td>-10.36</td><td>56.18</td><td>1.66</td><td>Peak</td><td>228</td><td>15</td></tr><tr><td>6</td><td>11510.00</td><td>37.84</td><td>54.00</td><td>-16.16</td><td>28.62</td><td>9.22</td><td>Average</td><td>100</td><td>39</td></tr><tr><td>7</td><td>11510.00</td><td>50.68</td><td>74.00</td><td>-23.32</td><td>41.46</td><td>9.22</td><td>Peak</td><td>100</td><td>39</td></tr><tr><td>8</td><td>17265.00</td><td>54.21</td><td>68.20</td><td>-13.99</td><td>46.87</td><td>7.34</td><td>Peak</td><td>100</td><td>41</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	57.25	68.20	-10.95	56.33	0.92	Peak	228	15	2	5700.00	60.45	105.20	-44.75	59.40	1.05	Peak	228	15	3	5720.00	62.62	110.80	-48.18	61.53	1.09	Peak	228	15	4	5725.00	61.58	122.20	-60.62	60.47	1.11	Peak	228	15	5	5925.00	57.84	68.20	-10.36	56.18	1.66	Peak	228	15	6	11510.00	37.84	54.00	-16.16	28.62	9.22	Average	100	39	7	11510.00	50.68	74.00	-23.32	41.46	9.22	Peak	100	39	8	17265.00	54.21	68.20	-13.99	46.87	7.34	Peak	100	41
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																				
1	5650.00	57.25	68.20	-10.95	56.33	0.92	Peak	228	15																																																																																				
2	5700.00	60.45	105.20	-44.75	59.40	1.05	Peak	228	15																																																																																				
3	5720.00	62.62	110.80	-48.18	61.53	1.09	Peak	228	15																																																																																				
4	5725.00	61.58	122.20	-60.62	60.47	1.11	Peak	228	15																																																																																				
5	5925.00	57.84	68.20	-10.36	56.18	1.66	Peak	228	15																																																																																				
6	11510.00	37.84	54.00	-16.16	28.62	9.22	Average	100	39																																																																																				
7	11510.00	50.68	74.00	-23.32	41.46	9.22	Peak	100	39																																																																																				
8	17265.00	54.21	68.20	-13.99	46.87	7.34	Peak	100	41																																																																																				

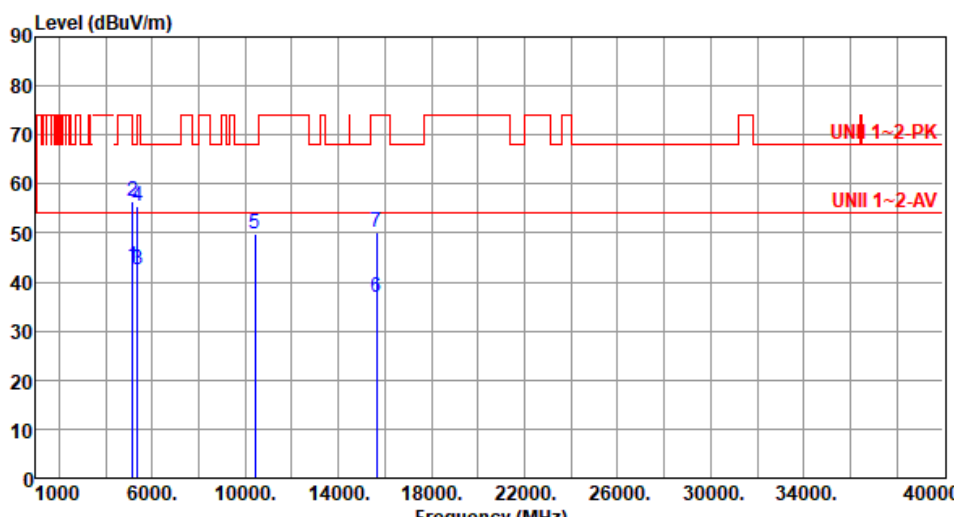


Modulation	ax HE40	Test Freq. (MHz)	5795																																																																																																				
Polarization	Horizontal																																																																																																						
Test By :Brad Wu Temperature(°C):22 Humidity(%):63																																																																																																							
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5603.00</td><td>62.03</td><td>68.20</td><td>-6.17</td><td>61.22</td><td>0.81</td><td>Peak</td><td>242</td><td>9</td></tr><tr><td>2</td><td>5650.00</td><td>61.12</td><td>68.20</td><td>-7.08</td><td>60.20</td><td>0.92</td><td>Peak</td><td>242</td><td>9</td></tr><tr><td>3</td><td>5850.00</td><td>65.61</td><td>122.20</td><td>-56.59</td><td>64.19</td><td>1.42</td><td>Peak</td><td>242</td><td>9</td></tr><tr><td>4</td><td>5855.00</td><td>64.82</td><td>110.80</td><td>-45.98</td><td>63.38</td><td>1.44</td><td>Peak</td><td>242</td><td>9</td></tr><tr><td>5</td><td>5875.00</td><td>62.76</td><td>105.20</td><td>-42.44</td><td>61.22</td><td>1.54</td><td>Peak</td><td>242</td><td>9</td></tr><tr><td>6</td><td>5925.00</td><td>61.23</td><td>68.20</td><td>-6.97</td><td>59.57</td><td>1.66</td><td>Peak</td><td>242</td><td>9</td></tr><tr><td>7</td><td>11590.00</td><td>38.11</td><td>54.00</td><td>-15.89</td><td>29.12</td><td>8.99</td><td>Average</td><td>100</td><td>33</td></tr><tr><td>8</td><td>11590.00</td><td>50.92</td><td>74.00</td><td>-23.08</td><td>41.93</td><td>8.99</td><td>Peak</td><td>100</td><td>33</td></tr><tr><td>9</td><td>17385.00</td><td>54.36</td><td>68.20</td><td>-13.84</td><td>46.48</td><td>7.88</td><td>Peak</td><td>100</td><td>21</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5603.00	62.03	68.20	-6.17	61.22	0.81	Peak	242	9	2	5650.00	61.12	68.20	-7.08	60.20	0.92	Peak	242	9	3	5850.00	65.61	122.20	-56.59	64.19	1.42	Peak	242	9	4	5855.00	64.82	110.80	-45.98	63.38	1.44	Peak	242	9	5	5875.00	62.76	105.20	-42.44	61.22	1.54	Peak	242	9	6	5925.00	61.23	68.20	-6.97	59.57	1.66	Peak	242	9	7	11590.00	38.11	54.00	-15.89	29.12	8.99	Average	100	33	8	11590.00	50.92	74.00	-23.08	41.93	8.99	Peak	100	33	9	17385.00	54.36	68.20	-13.84	46.48	7.88	Peak	100	21
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																														
1	5603.00	62.03	68.20	-6.17	61.22	0.81	Peak	242	9																																																																																														
2	5650.00	61.12	68.20	-7.08	60.20	0.92	Peak	242	9																																																																																														
3	5850.00	65.61	122.20	-56.59	64.19	1.42	Peak	242	9																																																																																														
4	5855.00	64.82	110.80	-45.98	63.38	1.44	Peak	242	9																																																																																														
5	5875.00	62.76	105.20	-42.44	61.22	1.54	Peak	242	9																																																																																														
6	5925.00	61.23	68.20	-6.97	59.57	1.66	Peak	242	9																																																																																														
7	11590.00	38.11	54.00	-15.89	29.12	8.99	Average	100	33																																																																																														
8	11590.00	50.92	74.00	-23.08	41.93	8.99	Peak	100	33																																																																																														
9	17385.00	54.36	68.20	-13.84	46.48	7.88	Peak	100	21																																																																																														



Modulation	ax HE40	Test Freq. (MHz)	5795
Polarization	Vertical		
Test By :Brad Wu Temperature(°C):22 Humidity(%):63			
Level (dBuV/m)			

Unwanted Emissions (Above 1GHz) for ax HE80

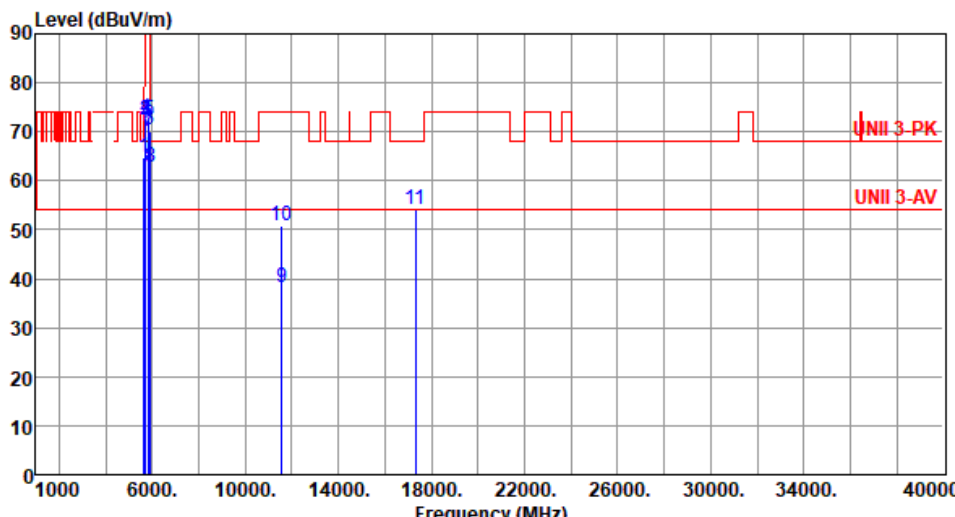
Modulation	ax HE80	Test Freq. (MHz)	5210						
Polarization	Horizontal								
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64									
Level (dBUV/m)  Frequency (MHz)									
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	43.18	54.00	-10.82	41.18	2.00	Average	100	358
2	5150.00	56.50	74.00	-17.50	54.50	2.00	Peak	100	358
3	5350.00	42.51	54.00	-11.49	41.10	1.41	Average	100	358
4	5350.00	55.52	74.00	-18.48	54.11	1.41	Peak	100	358
5	10420.00	49.86	68.20	-18.34	40.81	9.05	Peak	100	100
6	15630.00	36.98	54.00	-17.02	30.61	6.37	Average	100	124
7	15630.00	50.07	74.00	-23.93	43.70	6.37	Peak	100	124

Note 1: Emission Level (dBUV/m) = SA Reading (dBUV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).

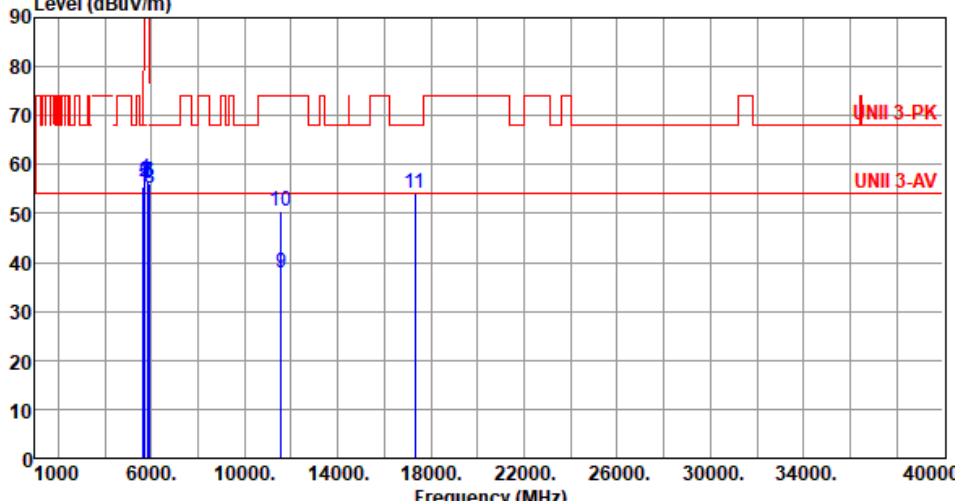


Modulation	ax HE80	Test Freq. (MHz)	5210
Polarization	Vertical		
Test By :Akun Chung- Temperature(°C):23 Humidity(%):64			
Level (dBuV/m) <			



Modulation	ax HE80	Test Freq. (MHz)	5775																																																																																																																								
Polarization	Horizontal																																																																																																																										
Test By :Brad Wu Temperature(°C):22 Humidity(%):63																																																																																																																											
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>64.92</td><td>68.20</td><td>-3.28</td><td>64.00</td><td>0.92</td><td>Peak</td><td>242</td><td>5</td></tr><tr><td>2</td><td>5700.00</td><td>72.41</td><td>105.20</td><td>-32.79</td><td>71.36</td><td>1.05</td><td>Peak</td><td>242</td><td>5</td></tr><tr><td>3</td><td>5720.00</td><td>72.56</td><td>110.80</td><td>-38.24</td><td>71.47</td><td>1.09</td><td>Peak</td><td>242</td><td>5</td></tr><tr><td>4</td><td>5725.00</td><td>72.68</td><td>122.20</td><td>-49.52</td><td>71.57</td><td>1.11</td><td>Peak</td><td>242</td><td>5</td></tr><tr><td>5</td><td>5850.00</td><td>72.46</td><td>122.20</td><td>-49.74</td><td>71.04</td><td>1.42</td><td>Peak</td><td>242</td><td>5</td></tr><tr><td>6</td><td>5855.00</td><td>70.35</td><td>110.80</td><td>-40.45</td><td>68.91</td><td>1.44</td><td>Peak</td><td>242</td><td>5</td></tr><tr><td>7</td><td>5875.00</td><td>70.12</td><td>105.20</td><td>-35.08</td><td>68.58</td><td>1.54</td><td>Peak</td><td>242</td><td>5</td></tr><tr><td>8</td><td>5925.00</td><td>62.88</td><td>68.20</td><td>-5.32</td><td>61.22</td><td>1.66</td><td>Peak</td><td>242</td><td>5</td></tr><tr><td>9</td><td>11550.00</td><td>38.09</td><td>54.00</td><td>-15.91</td><td>28.94</td><td>9.15</td><td>Average</td><td>100</td><td>47</td></tr><tr><td>10</td><td>11550.00</td><td>50.72</td><td>74.00</td><td>-23.28</td><td>41.57</td><td>9.15</td><td>Peak</td><td>100</td><td>47</td></tr><tr><td>11</td><td>17325.00</td><td>54.28</td><td>68.20</td><td>-13.92</td><td>46.74</td><td>7.54</td><td>Peak</td><td>100</td><td>21</td></tr></tbody></table> Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	64.92	68.20	-3.28	64.00	0.92	Peak	242	5	2	5700.00	72.41	105.20	-32.79	71.36	1.05	Peak	242	5	3	5720.00	72.56	110.80	-38.24	71.47	1.09	Peak	242	5	4	5725.00	72.68	122.20	-49.52	71.57	1.11	Peak	242	5	5	5850.00	72.46	122.20	-49.74	71.04	1.42	Peak	242	5	6	5855.00	70.35	110.80	-40.45	68.91	1.44	Peak	242	5	7	5875.00	70.12	105.20	-35.08	68.58	1.54	Peak	242	5	8	5925.00	62.88	68.20	-5.32	61.22	1.66	Peak	242	5	9	11550.00	38.09	54.00	-15.91	28.94	9.15	Average	100	47	10	11550.00	50.72	74.00	-23.28	41.57	9.15	Peak	100	47	11	17325.00	54.28	68.20	-13.92	46.74	7.54	Peak	100	21
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																																																		
1	5650.00	64.92	68.20	-3.28	64.00	0.92	Peak	242	5																																																																																																																		
2	5700.00	72.41	105.20	-32.79	71.36	1.05	Peak	242	5																																																																																																																		
3	5720.00	72.56	110.80	-38.24	71.47	1.09	Peak	242	5																																																																																																																		
4	5725.00	72.68	122.20	-49.52	71.57	1.11	Peak	242	5																																																																																																																		
5	5850.00	72.46	122.20	-49.74	71.04	1.42	Peak	242	5																																																																																																																		
6	5855.00	70.35	110.80	-40.45	68.91	1.44	Peak	242	5																																																																																																																		
7	5875.00	70.12	105.20	-35.08	68.58	1.54	Peak	242	5																																																																																																																		
8	5925.00	62.88	68.20	-5.32	61.22	1.66	Peak	242	5																																																																																																																		
9	11550.00	38.09	54.00	-15.91	28.94	9.15	Average	100	47																																																																																																																		
10	11550.00	50.72	74.00	-23.28	41.57	9.15	Peak	100	47																																																																																																																		
11	17325.00	54.28	68.20	-13.92	46.74	7.54	Peak	100	21																																																																																																																		



Modulation	ax HE80	Test Freq. (MHz)	5775																																																																																																																								
Polarization	Vertical																																																																																																																										
Test By :Brad Wu Temperature(°C):22 Humidity(%):63																																																																																																																											
Level (dBuV/m)  Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB/m</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5650.00</td><td>55.41</td><td>68.20</td><td>-12.79</td><td>54.49</td><td>0.92</td><td>Peak</td><td>236</td><td>11</td></tr><tr><td>2</td><td>5700.00</td><td>56.44</td><td>105.20</td><td>-48.76</td><td>55.39</td><td>1.05</td><td>Peak</td><td>236</td><td>11</td></tr><tr><td>3</td><td>5720.00</td><td>56.58</td><td>110.80</td><td>-54.22</td><td>55.49</td><td>1.09</td><td>Peak</td><td>236</td><td>11</td></tr><tr><td>4</td><td>5725.00</td><td>57.02</td><td>122.20</td><td>-65.18</td><td>55.91</td><td>1.11</td><td>Peak</td><td>236</td><td>11</td></tr><tr><td>5</td><td>5850.00</td><td>56.46</td><td>122.20</td><td>-65.74</td><td>55.04</td><td>1.42</td><td>Peak</td><td>236</td><td>11</td></tr><tr><td>6</td><td>5855.00</td><td>56.21</td><td>110.80</td><td>-54.59</td><td>54.77</td><td>1.44</td><td>Peak</td><td>236</td><td>11</td></tr><tr><td>7</td><td>5875.00</td><td>55.96</td><td>105.20</td><td>-49.24</td><td>54.42</td><td>1.54</td><td>Peak</td><td>236</td><td>11</td></tr><tr><td>8</td><td>5925.00</td><td>55.21</td><td>68.20</td><td>-12.99</td><td>53.55</td><td>1.66</td><td>Peak</td><td>236</td><td>11</td></tr><tr><td>9</td><td>11550.00</td><td>37.72</td><td>54.00</td><td>-16.28</td><td>28.57</td><td>9.15</td><td>Average</td><td>100</td><td>47</td></tr><tr><td>10</td><td>11550.00</td><td>50.54</td><td>74.00</td><td>-23.46</td><td>41.39</td><td>9.15</td><td>Peak</td><td>100</td><td>47</td></tr><tr><td>11</td><td>17325.00</td><td>54.15</td><td>68.20</td><td>-14.05</td><td>46.61</td><td>7.54</td><td>Peak</td><td>100</td><td>29</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5650.00	55.41	68.20	-12.79	54.49	0.92	Peak	236	11	2	5700.00	56.44	105.20	-48.76	55.39	1.05	Peak	236	11	3	5720.00	56.58	110.80	-54.22	55.49	1.09	Peak	236	11	4	5725.00	57.02	122.20	-65.18	55.91	1.11	Peak	236	11	5	5850.00	56.46	122.20	-65.74	55.04	1.42	Peak	236	11	6	5855.00	56.21	110.80	-54.59	54.77	1.44	Peak	236	11	7	5875.00	55.96	105.20	-49.24	54.42	1.54	Peak	236	11	8	5925.00	55.21	68.20	-12.99	53.55	1.66	Peak	236	11	9	11550.00	37.72	54.00	-16.28	28.57	9.15	Average	100	47	10	11550.00	50.54	74.00	-23.46	41.39	9.15	Peak	100	47	11	17325.00	54.15	68.20	-14.05	46.61	7.54	Peak	100	29
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																																																																																																		
1	5650.00	55.41	68.20	-12.79	54.49	0.92	Peak	236	11																																																																																																																		
2	5700.00	56.44	105.20	-48.76	55.39	1.05	Peak	236	11																																																																																																																		
3	5720.00	56.58	110.80	-54.22	55.49	1.09	Peak	236	11																																																																																																																		
4	5725.00	57.02	122.20	-65.18	55.91	1.11	Peak	236	11																																																																																																																		
5	5850.00	56.46	122.20	-65.74	55.04	1.42	Peak	236	11																																																																																																																		
6	5855.00	56.21	110.80	-54.59	54.77	1.44	Peak	236	11																																																																																																																		
7	5875.00	55.96	105.20	-49.24	54.42	1.54	Peak	236	11																																																																																																																		
8	5925.00	55.21	68.20	-12.99	53.55	1.66	Peak	236	11																																																																																																																		
9	11550.00	37.72	54.00	-16.28	28.57	9.15	Average	100	47																																																																																																																		
10	11550.00	50.54	74.00	-23.46	41.39	9.15	Peak	100	47																																																																																																																		
11	17325.00	54.15	68.20	-14.05	46.61	7.54	Peak	100	29																																																																																																																		
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).																																																																																																																											