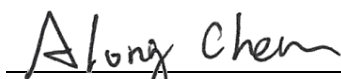


FCC Test Report

FCC ID : 2AU6R04457
Equipment : 802.11ax (WiFi 6) Dual-Radio Outdoor PoE Access Point
Model No. : NWA55AX PRO
Brand Name : ZYXEL
Applicant : Zyxel Networks Corporation
Address : No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075, Taiwan, R.O.C
Standard : 47 CFR FCC Part 15.407
Received Date : Feb. 03, 2026
Tested Date : Apr. 15 ~ Apr. 28, 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

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Release Record

Report No.	Version	Description	Issued Date
FR620305AN	Rev. 01	Initial issue	May 25, 2026

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.419MHz 41.70 (Margin -15.76dB) - QP	Pass
15.407(b) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 5447.28MHz 53.87 (Margin -0.13dB) - AV	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]: Non-beamforming mode 5150~5250MHz: 19.23 5250~5350MHz: 23.65 5470~5725MHz: 23.87 5725~5850MHz: 28.61 Beamforming mode 5150~5250MHz: 16.19 5250~5350MHz: 20.64 5470~5725MHz: 20.86 5725~5850MHz: 25.60	Pass
15.407(a)	Power Spectral Density	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:

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

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 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 MCS 0-13
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 MCS 0-13
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 MCS 0-13
5150-5250 5250-5350 5470-5725	ac (VHT160) ax (HE160)	5250 5570	50 [1] 114 [1]	2	MCS 0-11 MCS 0-11 MCS 0-13

Note: OFDM/OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM and 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
Lynwave	Ant. 1	PIFA	none	2.9	3.6	3.4	3.6	3.7
Lynwave	Ant. 2	PIFA	none	1.5	3.5	3.3	2.8	2.8

1.1.3 Configuration of Equipment under Test (EUT)

Power Supply Type	48Vdc 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	PoE	Brand: RISUNIC Model: RP024W01-4800500YE I/P: 100-240Vac, 50/60Hz, 0.6A O/P: 48Vdc, 0.5A, 24W Power Line: 0.6m 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	802.11ac VHT160 / ax HE160	
149	5745	50	5250
153	5765	114	5570
157	5785	---	---
161	5805	---	---
165	5825	---	---

1.1.6 Test Tool and Duty Cycle

Test Tool	MT7981 QA, Version: 0.0.2.78		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	11a	97.96%	0.09
	ax HE20	95.14%	0.22
	ax HE40	91.27%	0.40
	ax HE80	85.15%	0.70
	ax HE160	78.63%	1.04

1.1.7 Power Index of Test Tool

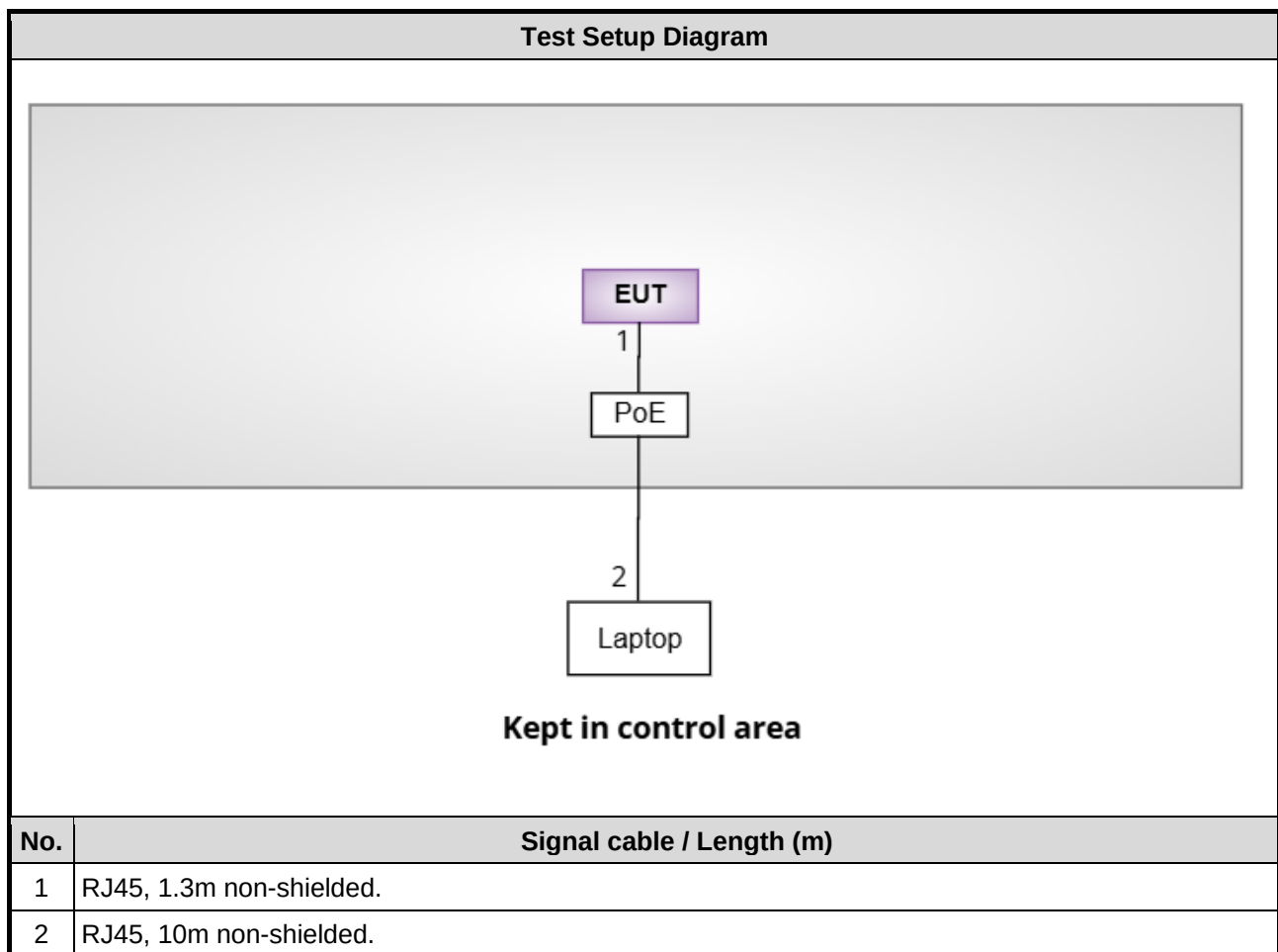
Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	12.5
11a	5200	12.5
11a	5240	12.5
11a	5260	16
11a	5300	16.5
11a	5320	16.5
11a	5500	16.5
11a	5580	16
11a	5700	16.5
11a	5720	17
11a	5745	23
11a	5785	23
11a	5825	23
ax HE20	5180	16
ax HE20	5200	16.5
ax HE20	5240	16
ax HE20	5260	20
ax HE20	5300	20.5
ax HE20	5320	20.5
ax HE20	5500	20.5
ax HE20	5580	20
ax HE20	5700	21
ax HE20	5720	21
ax HE20	5745	26.5
ax HE20	5785	26.5
ax HE20	5825	26.5

Modulation Mode	Test Frequency (MHz)	Power Index
ax HE40	5190	16
ax HE40	5230	15.5
ax HE40	5270	20.5
ax HE40	5310	20.5
ax HE40	5510	20.5
ax HE40	5590	21
ax HE40	5670	21
ax HE40	5710	21.5
ax HE40	5755	26
ax HE40	5795	26
ax HE80	5210	15.5
ax HE80	5290	19
ax HE80	5530	20.5
ax HE80	5610	20.5
ax HE80	5690	20.5
ax HE80	5775	24
ax HE160	5250	15.5
ax HE160	5570	19

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Latitude 3440	DoC	---

1.3 Test Setup Chart



1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Apr. 15 ~ Apr. 24, 2026				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	103413	Aug. 25, 2025	Aug. 24, 2026
Spectrum Analyzer	R&S	FSV40	101498	Nov. 06, 2025	Nov. 05, 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/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	Apr. 21 ~ Apr. 28, 2026				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV3044	101516	Jun. 09, 2025	Jun. 08, 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
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Jun. 26, 2025	Jun. 25, 2026
AC POWER SOURCE	APC	AFC-500W	F312060012	Jan. 08, 2026	Jan. 07, 2027
Measurement Software	Sporton	SENSE-15407_NII	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Apr. 28, 2026				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Apr. 02, 2026	Apr. 01, 2027
LISN	R&S	ENV216	101579	May 07, 2025	May 06, 2026
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Apr. 12, 2026	Apr. 11, 2027
RF Cable-CON	EMC	EMCCFD300-BM-B M-6000	50821	Oct. 07, 2025	Oct. 06, 2026
50 ohm terminal	NA	50	01	Jun. 17, 2025	Jun. 16, 2026
Measurement Software	AUDIX	e3	6.120210g	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 + Cor.1-2023
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
Frequency error	$\pm 1 \times 10^{-9}$
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
AC Power Line Conducted Emissions	ax HE40	5755	MCS 0	---
Unwanted Emissions ≤1GHz	ax HE40	5755	MCS 0	---
Frequency band 5150~5350 MHz / 5470~5725 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	---
	ax HE20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	
	ax HE40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	ax HE80	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	
	ax HE160	5250 / 5570	MCS 0	
Frequency Stability	Un-modulation	5300	---	---
Frequency band 5725-5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth 6dB bandwidth Power Spectral Density	11a	5745 / 5785 / 5825	6 Mbps	---
	ax HE20	5745 / 5785 / 5825	MCS 0	
	ax HE40	5755 / 5795	MCS 0	
	ax HE80	5775	MCS 0	
Frequency Stability	Un-modulation	5785	---	---
NOTE:				
1. Beamforming mode is calculated not measured. The calculation method is conducted power of non-beamforming – 3.01dB.				

Beamforming mode

Frequency band 5150~5350 MHz / 5470~5725 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Conducted Output Power	ax HE20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	
	ax HE40	5190 / 5230 / 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	ax HE80	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	
	ax HE160	5250 / 5570	MCS 0	
Frequency band 5725-5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test Configuration
Conducted Output Power	ax HE20	5745 / 5785 / 5825	MCS 0	
	ax HE40	5755 / 5795	MCS 0	
	ax HE80	5775	MCS 0	
NOTE:				
1. Beamforming mode is calculated not measured. The calculation method is conducted power of non-beamforming – 3.01dB.				

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.

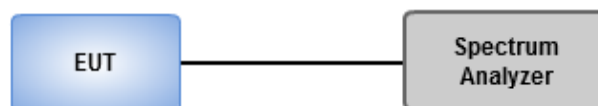
Occupied Bandwidth

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	22-25°C / 62-65%	Tested By	Roger Lu
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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

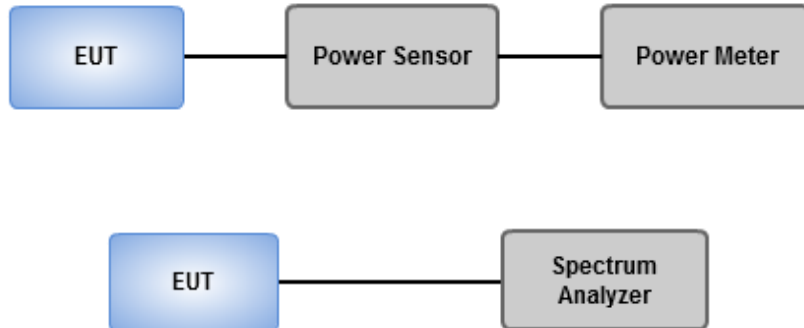
Method PM-G (Measurement using a gated RF average power meter)

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	22-25°C / 62-65%	Tested By	Roger Lu
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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. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. Sweep time = auto
3. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter
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

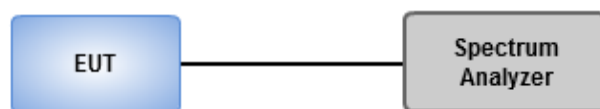
Duty cycle $\geq$ 98 %

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. Number of points in sweep $\geq 2 \times \text{span} / \text{RBW}$. Sweep time = auto
3. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter
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	22-25°C / 62-65%	Tested By	Roger Lu
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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

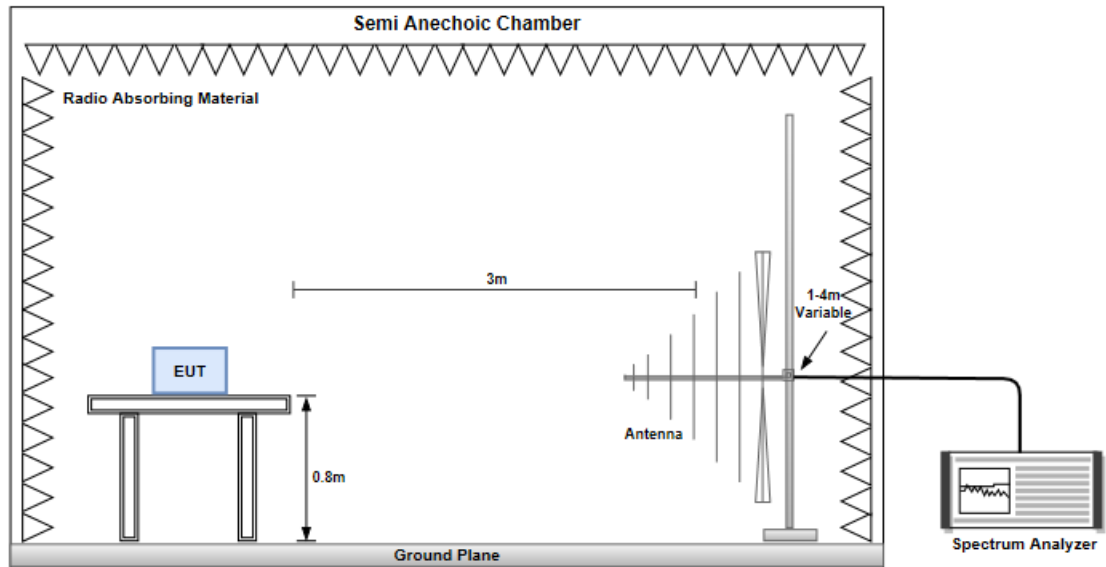
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

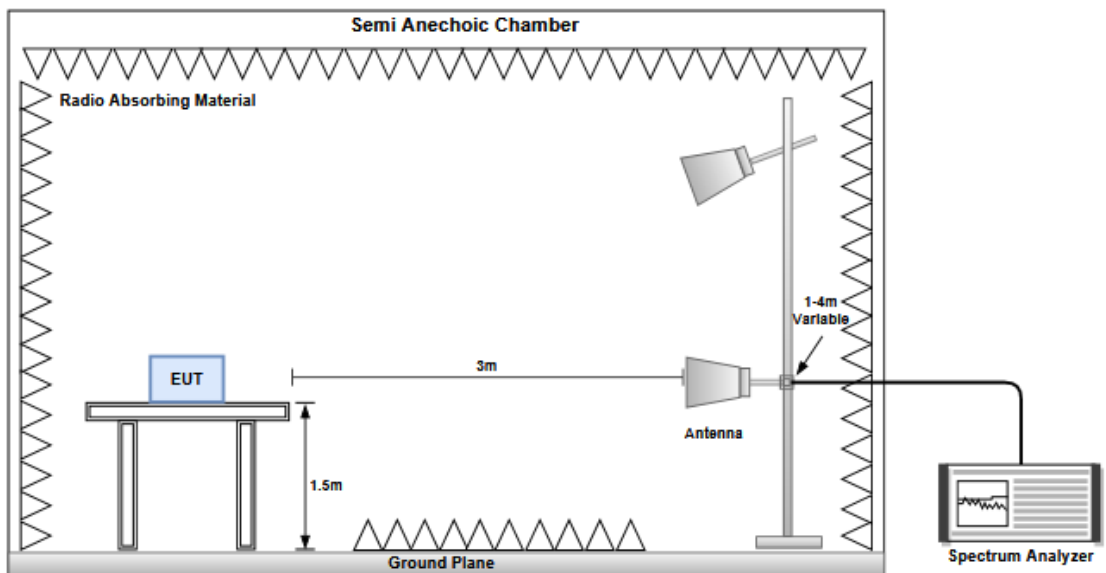
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.5 Frequency Stability

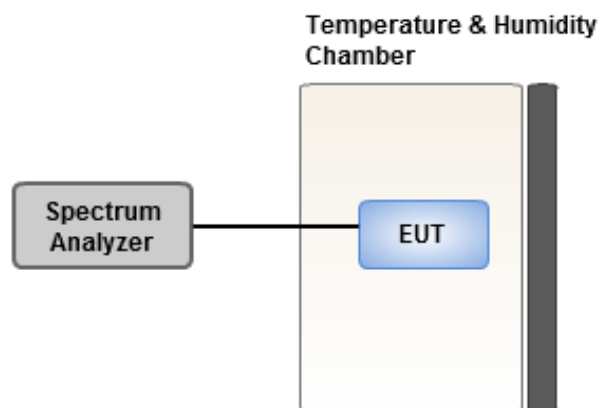
3.5.1 Limit of Frequency Stability

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

3.5.2 Test Procedures

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

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	22-25°C / 62-65%	Tested By	Roger Lu
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Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

3.6.1 Limit of AC Power Line Conducted Emissions

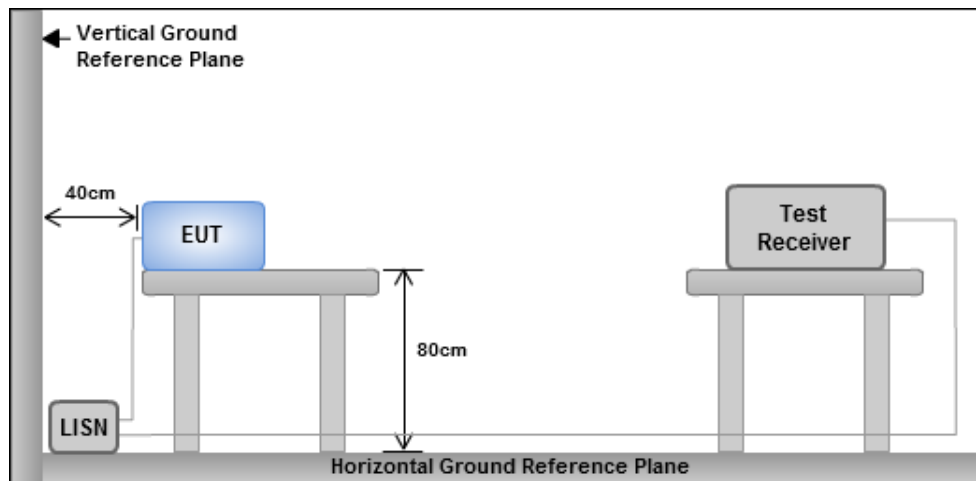
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.6.2 Test Procedures

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

3.6.3 Test Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.6.4 Test Results

Refer to Appendix F.

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	25.08M	16.558M	16M6D1D	19.47M	16.377M
802.11ax HEW20_Nss2,(MCS0)_2TX	24.255M	18.932M	18M9D1D	19.745M	18.727M
802.11ax HEW40_Nss2,(MCS0)_2TX	40.59M	37.433M	37M4D1D	39.49M	37.266M
802.11ax HEW80_Nss2,(MCS0)_2TX	80.3M	76.467M	76M5D1D	80.08M	76.415M
802.11ax HEW160_Nss2,(MCS0)_2TX	80.24M	77.48M	77M5D1D	80.16M	77.472M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	25.85M	16.565M	16M6D1D	20.295M	16.359M
802.11ax HEW20_Nss2,(MCS0)_2TX	24.475M	18.939M	18M9D1D	21.34M	18.854M
802.11ax HEW40_Nss2,(MCS0)_2TX	42.9M	37.424M	37M4D1D	39.49M	37.307M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.4M	76.483M	76M5D1D	80.08M	76.437M
802.11ax HEW160_Nss2,(MCS0)_2TX	84.56M	77.523M	77M5D1D	80.24M	77.363M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.53M	16.563M	16M6D1D	14.91M	13.214M
802.11ax HEW20_Nss2,(MCS0)_2TX	25.685M	18.928M	18M9D1D	15.57M	14.448M
802.11ax HEW40_Nss2,(MCS0)_2TX	44.33M	37.46M	37M5D1D	34.755M	33.44M
802.11ax HEW80_Nss2,(MCS0)_2TX	85.36M	76.561M	76M6D1D	75.075M	72.405M
802.11ax HEW160_Nss2,(MCS0)_2TX	162.36M	155.054M	155MD1D	162.36M	154.984M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.125M	18.717M	18M7D1D	3.1M	3.541M
802.11ax HEW20_Nss2,(MCS0)_2TX	16.885M	20.05M	20M1D1D	4.38M	4.519M
802.11ax HEW40_Nss2,(MCS0)_2TX	35.09M	37.934M	37M9D1D	3.94M	4.106M
802.11ax HEW80_Nss2,(MCS0)_2TX	72.6M	76.756M	76M8D1D	3.92M	11.966M

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	24.255M	16.528M	23.65M	16.496M
5200MHz	Pass	Inf	25.08M	16.558M	24.585M	16.531M
5240MHz	Pass	Inf	20.02M	16.454M	19.47M	16.377M
5260MHz	Pass	Inf	20.625M	16.389M	20.295M	16.359M
5300MHz	Pass	Inf	25.85M	16.54M	23.65M	16.523M
5320MHz	Pass	Inf	24.915M	16.565M	25.08M	16.49M
5500MHz	Pass	Inf	23.045M	16.563M	24.53M	16.504M
5580MHz	Pass	Inf	20.735M	16.393M	19.47M	16.363M
5700MHz	Pass	Inf	23.54M	16.508M	22M	16.477M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.06M	13.238M	14.91M	13.214M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	3.566M	3.1M	3.541M
5745MHz	Pass	500k	15.07M	18.474M	15.125M	17.276M
5785MHz	Pass	500k	15.07M	17.602M	15.015M	16.707M
5825MHz	Pass	500k	15.015M	18.717M	15.015M	17.286M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.825M	18.93M	23.815M	18.932M
5200MHz	Pass	Inf	23.705M	18.926M	24.255M	18.928M
5240MHz	Pass	Inf	19.745M	18.737M	19.745M	18.727M
5260MHz	Pass	Inf	21.67M	18.857M	21.34M	18.854M
5300MHz	Pass	Inf	24.42M	18.927M	23.045M	18.939M
5320MHz	Pass	Inf	24.475M	18.917M	21.945M	18.909M
5500MHz	Pass	Inf	25.685M	18.92M	24.31M	18.913M
5580MHz	Pass	Inf	21.615M	18.844M	21.395M	18.858M
5700MHz	Pass	Inf	22.99M	18.895M	24.64M	18.928M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.945M	14.448M	15.57M	14.463M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.42M	4.529M	4.38M	4.519M
5745MHz	Pass	500k	15.235M	20.05M	16.83M	19.198M
5785MHz	Pass	500k	16.885M	19.322M	15.675M	19.068M
5825MHz	Pass	500k	16.115M	19.371M	15.125M	19.172M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.6M	37.415M	40.59M	37.433M
5230MHz	Pass	Inf	39.49M	37.266M	39.49M	37.297M
5270MHz	Pass	Inf	39.49M	37.326M	39.49M	37.307M
5310MHz	Pass	Inf	42.9M	37.415M	39.6M	37.424M
5510MHz	Pass	Inf	41.03M	37.418M	44.33M	37.407M
5590MHz	Pass	Inf	39.6M	37.342M	39.49M	37.333M
5670MHz	Pass	Inf	41.58M	37.453M	44.22M	37.46M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.755M	33.44M	34.825M	33.461M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.3M	3.94M	4.106M
5755MHz	Pass	500k	33.88M	37.934M	33.88M	37.688M
5795MHz	Pass	500k	33.88M	37.792M	35.09M	37.617M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	80.08M	76.467M	80.3M	76.415M
5290MHz	Pass	Inf	81.4M	76.483M	80.08M	76.437M
5530MHz	Pass	Inf	81.62M	76.401M	85.36M	76.561M
5610MHz	Pass	Inf	80.3M	76.205M	79.86M	76.308M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.075M	72.405M	75.15M	72.578M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	16.095M	3.92M	11.966M
5775MHz	Pass	500k	72.6M	76.756M	72.6M	76.542M
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.24M	77.48M	80.16M	77.472M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	84.56M	77.523M	80.24M	77.363M
5570MHz	Pass	Inf	162.36M	154.984M	162.36M	155.054M

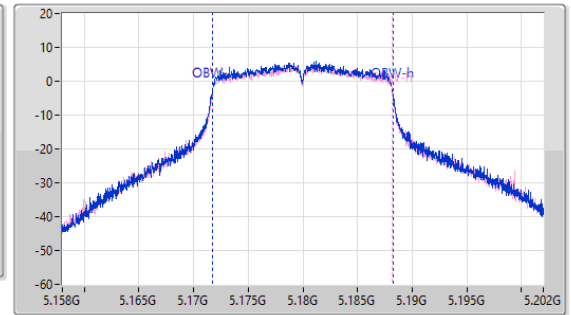
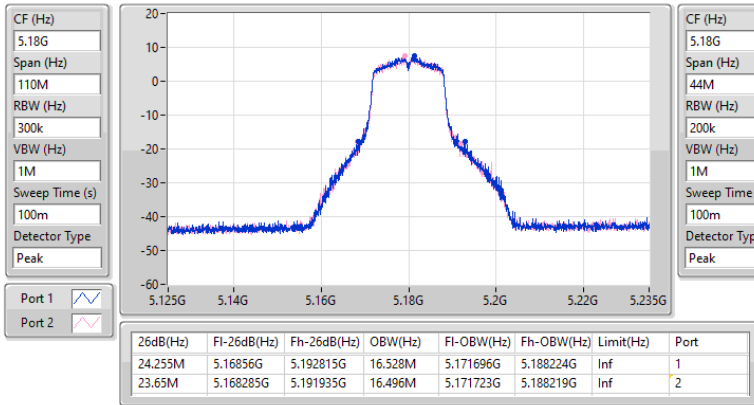
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

Port X-OBW = Port X 99% occupied bandwidth

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

EBW

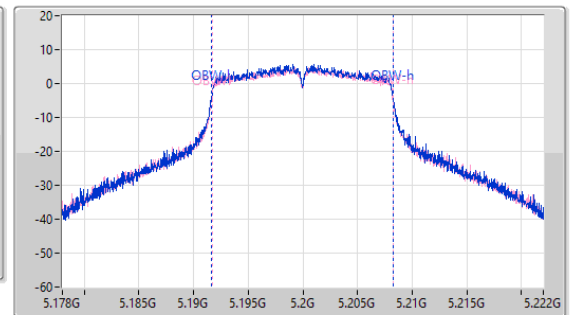
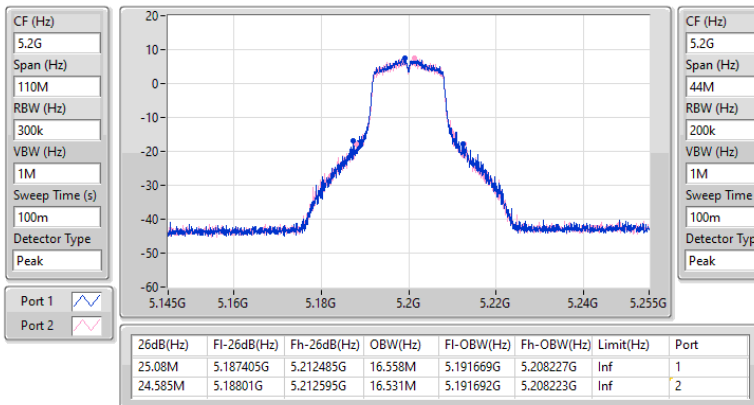
5180MHz



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

EBW

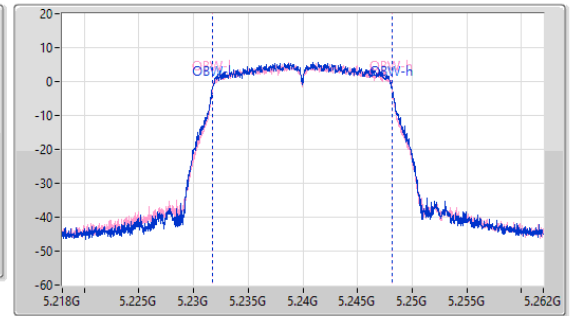
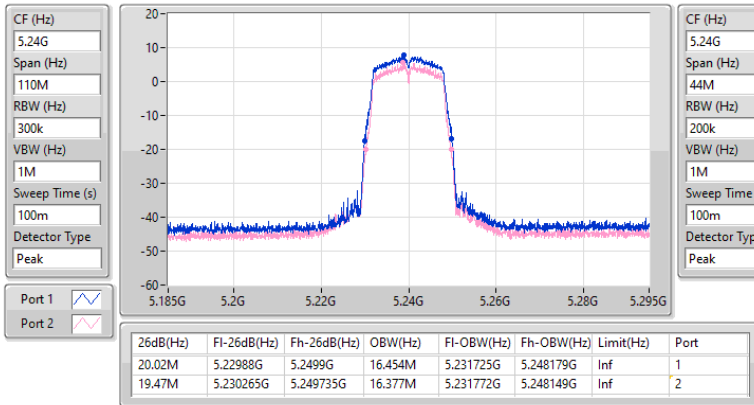
5200MHz



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

EBW

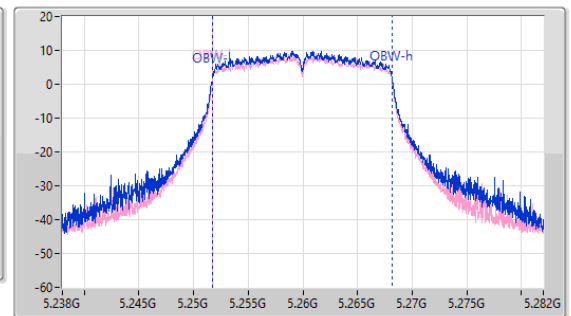
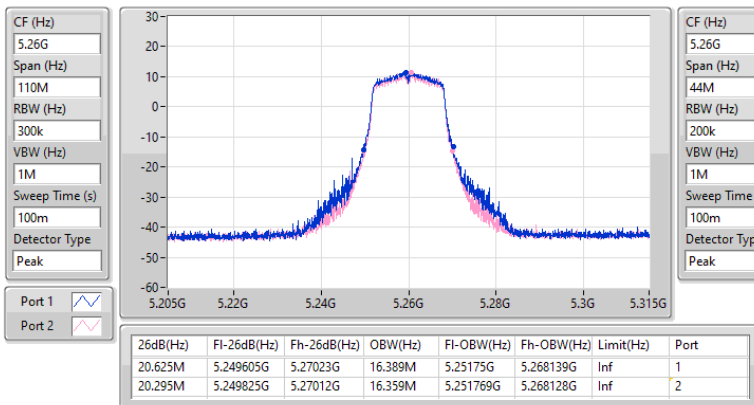
5240MHz



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

EBW

5260MHz

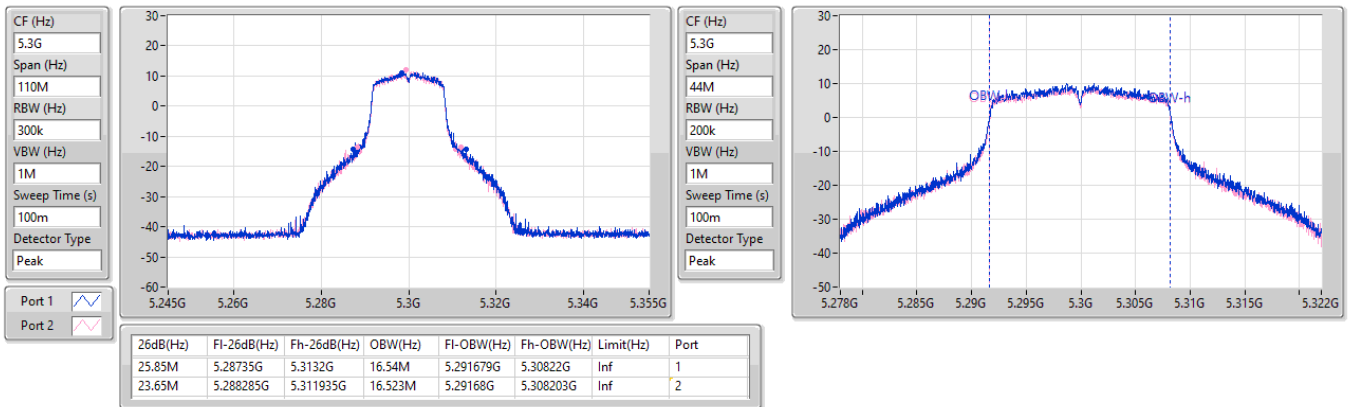




5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

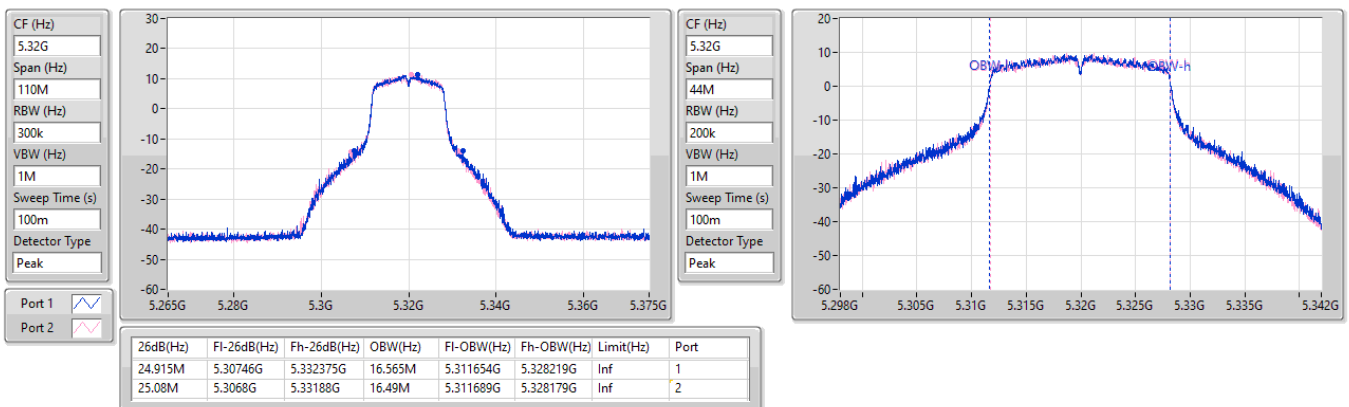
5300MHz



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

EBW

5320MHz

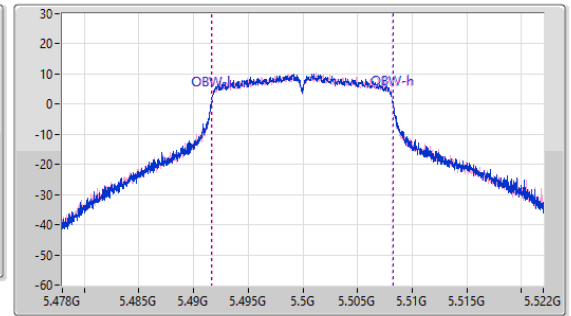
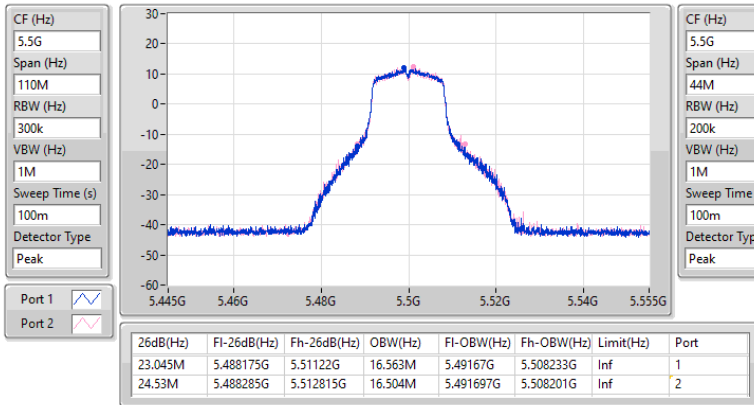




5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

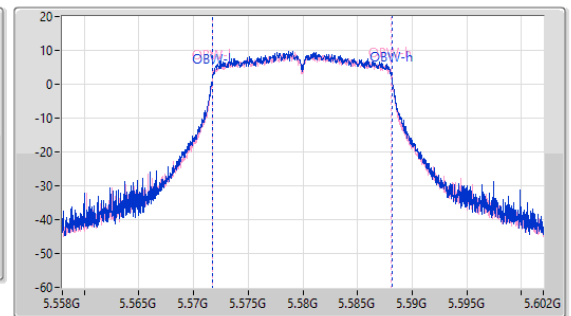
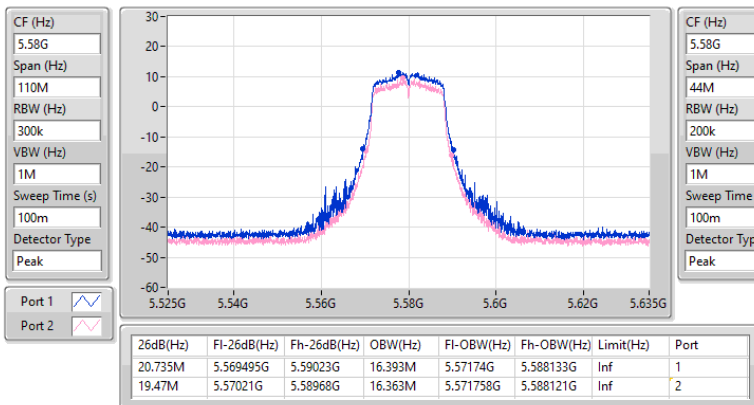
5500MHz



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

EBW

5580MHz

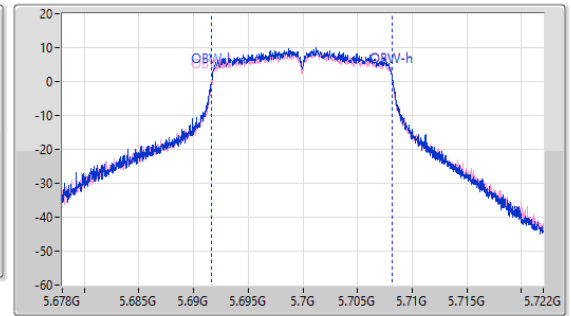
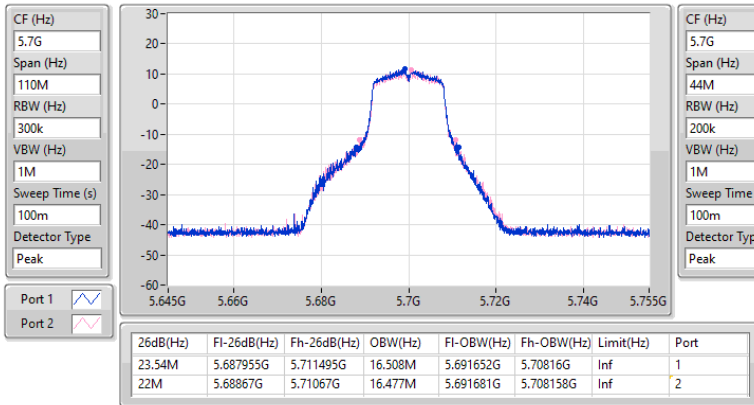




5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

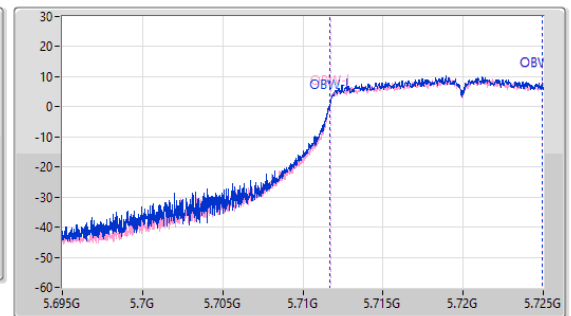
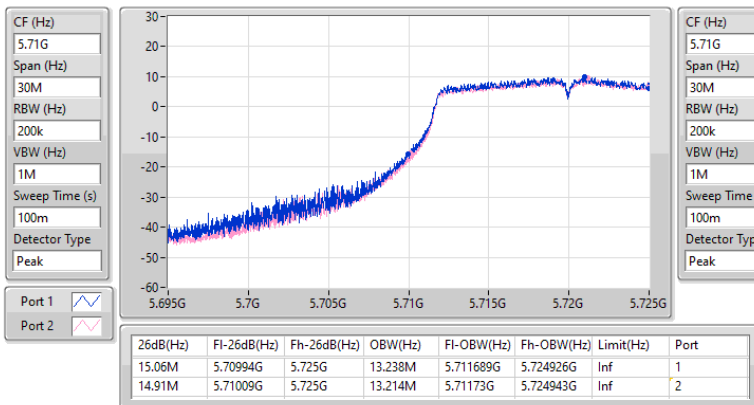
5700MHz



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

EBW

5720MHz Straddle 5.47-5.725GHz

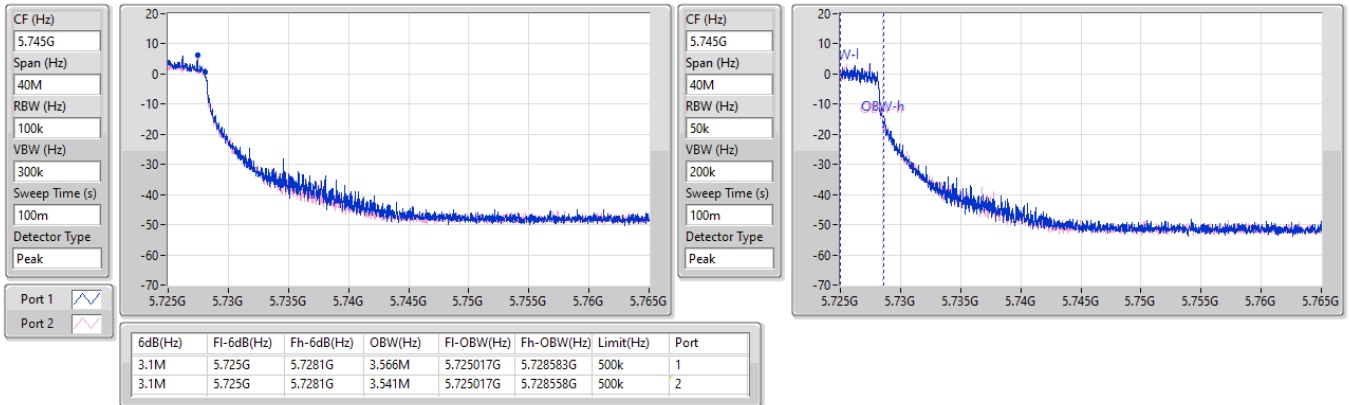




5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

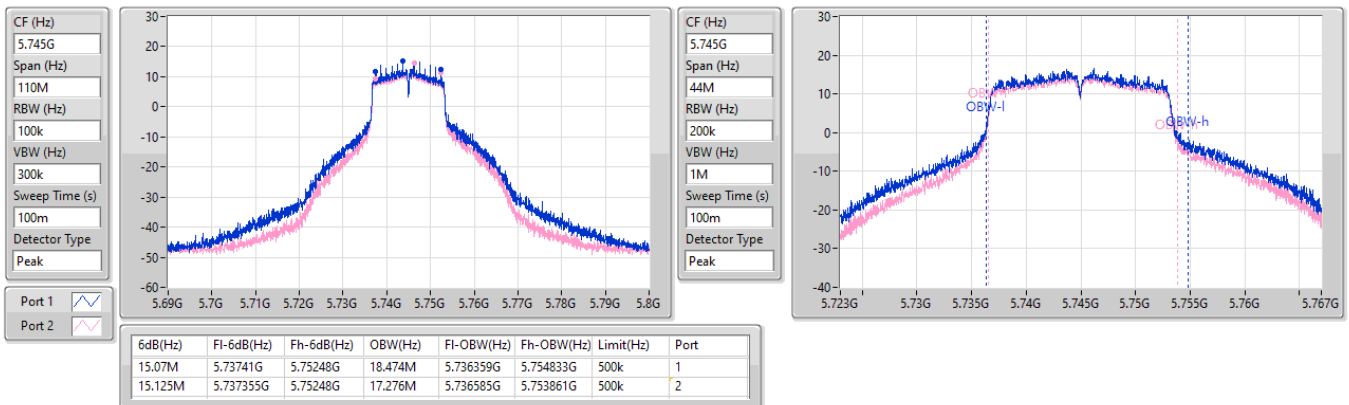
5720MHz Straddle 5.725-5.85GHz



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

EBW

5745MHz

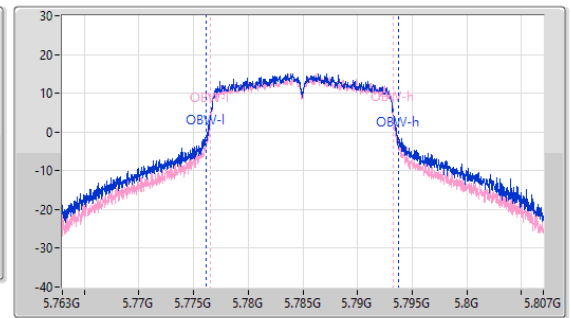
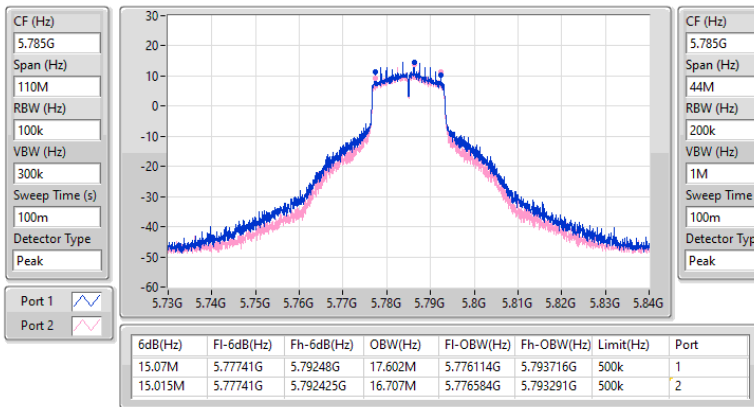




5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

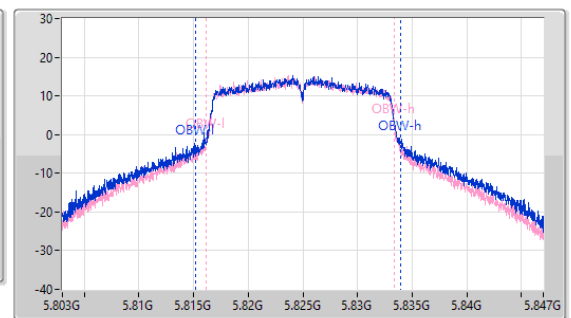
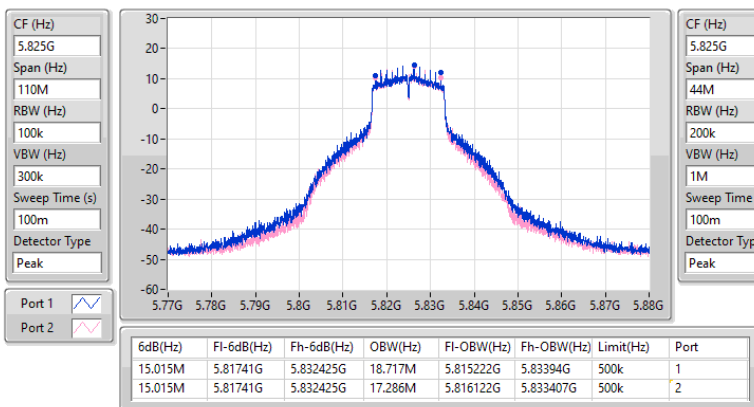
5785MHz



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

EBW

5825MHz

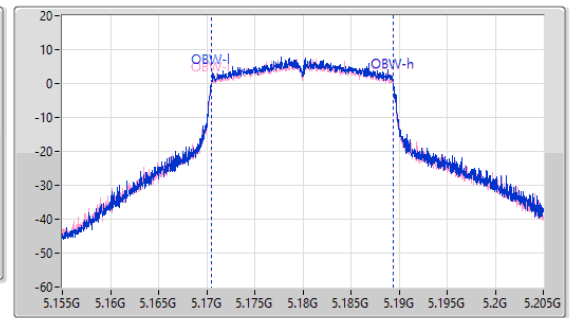
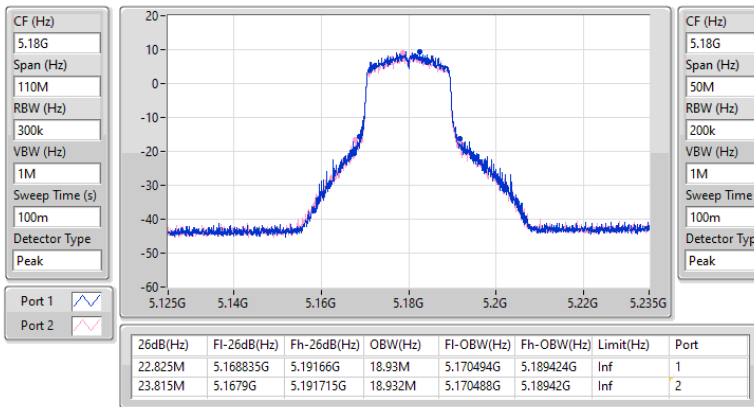




5.15-5.25GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

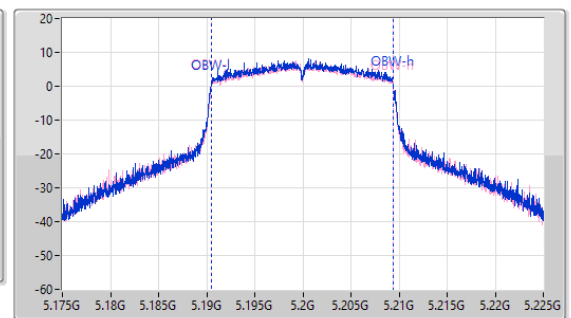
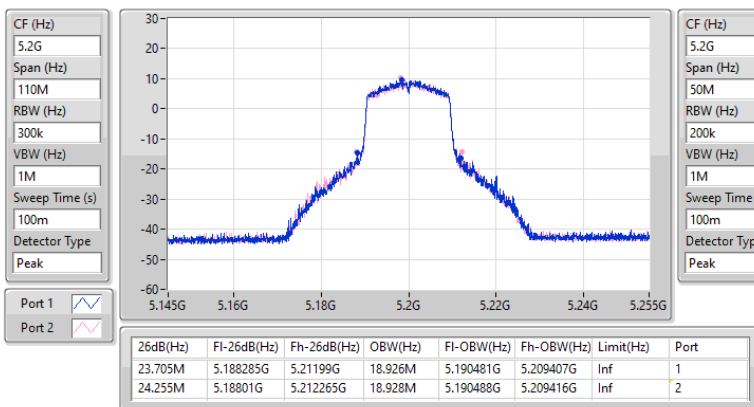
5180MHz



5.15-5.25GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

5200MHz

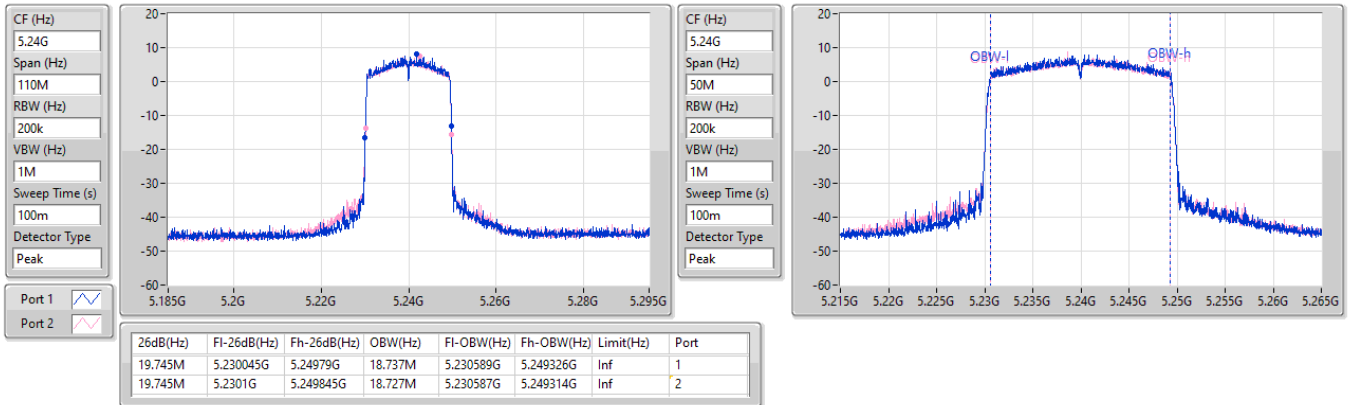




5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

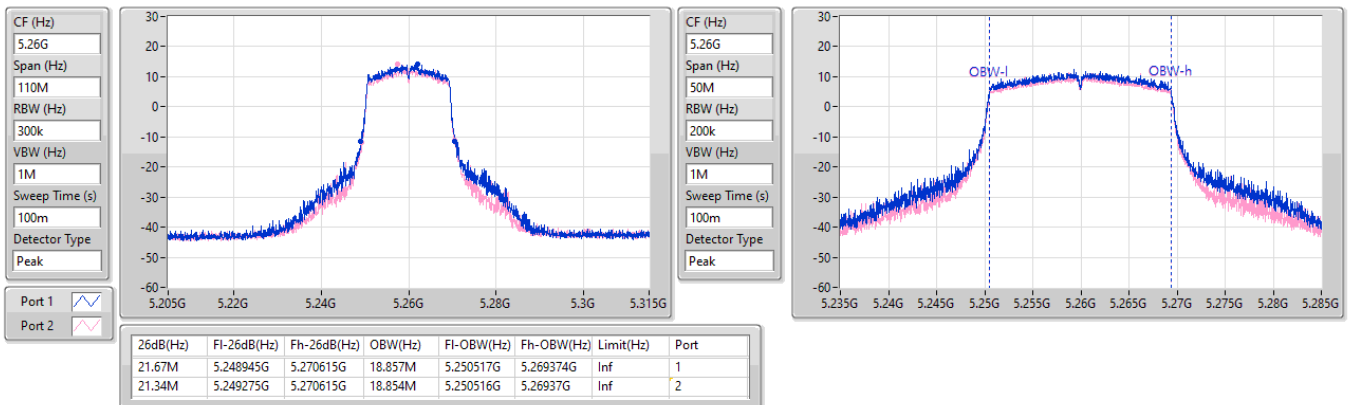
5240MHz



5.25-5.35GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

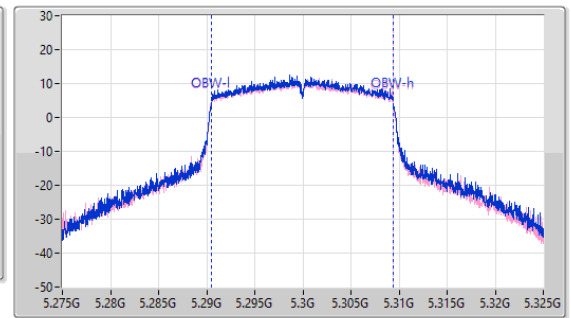
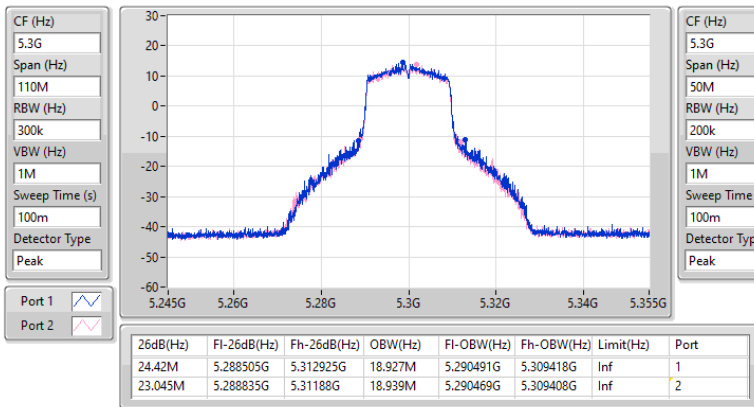
5260MHz



5.25-5.35GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

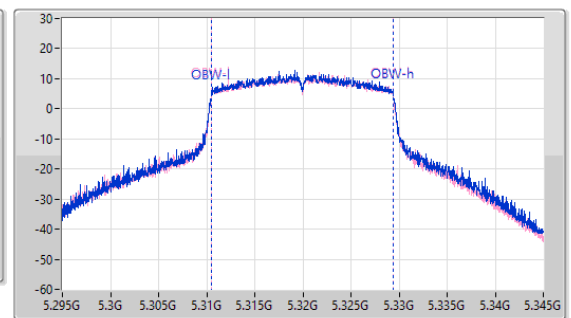
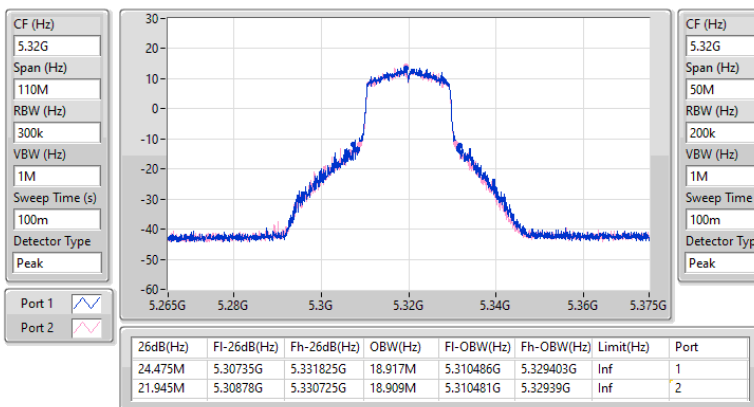
5300MHz



5.25-5.35GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

5320MHz

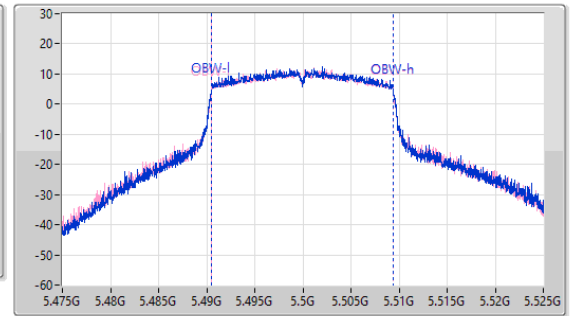
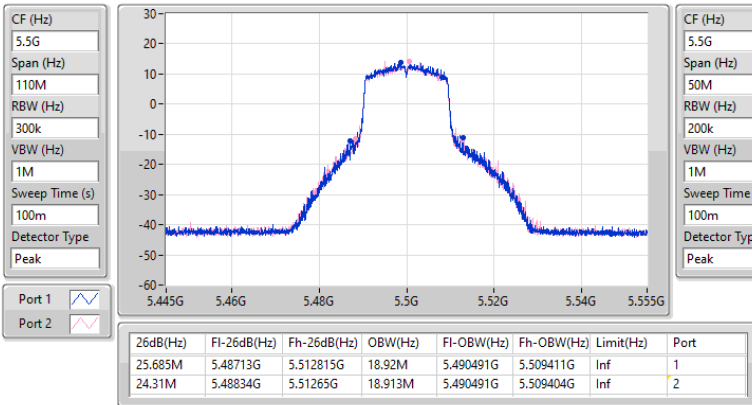




5.47-5.725GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

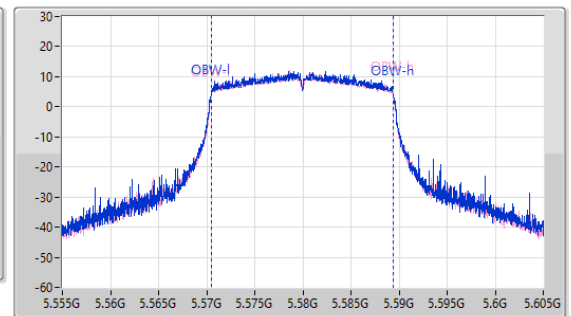
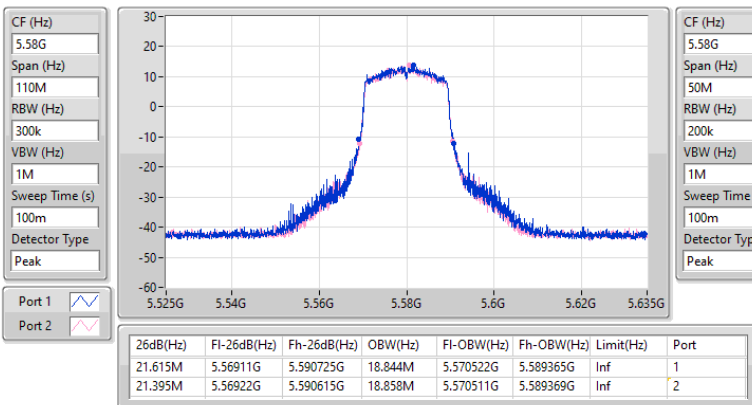
5500MHz



5.47-5.725GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

5580MHz

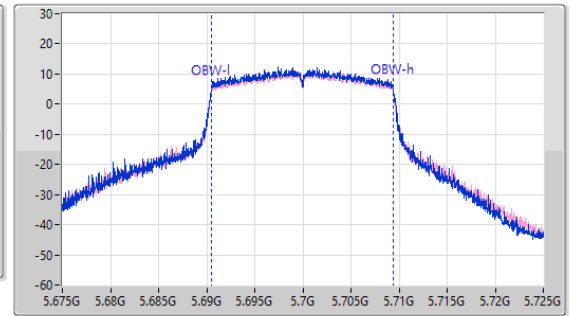
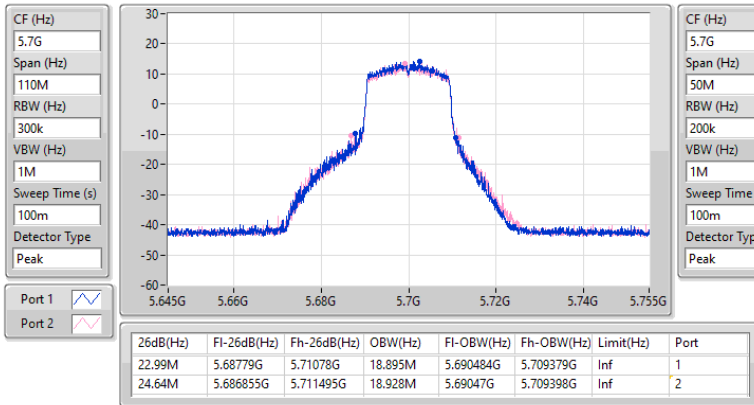




5.47-5.725GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

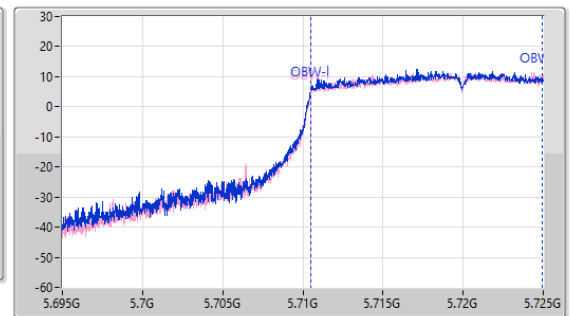
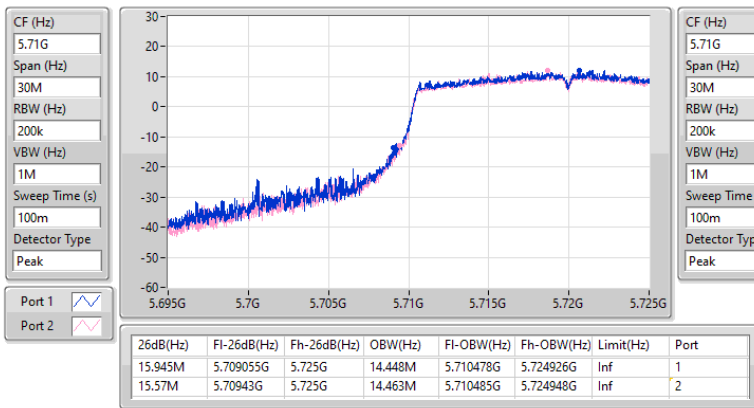
5700MHz



5.47-5.725GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

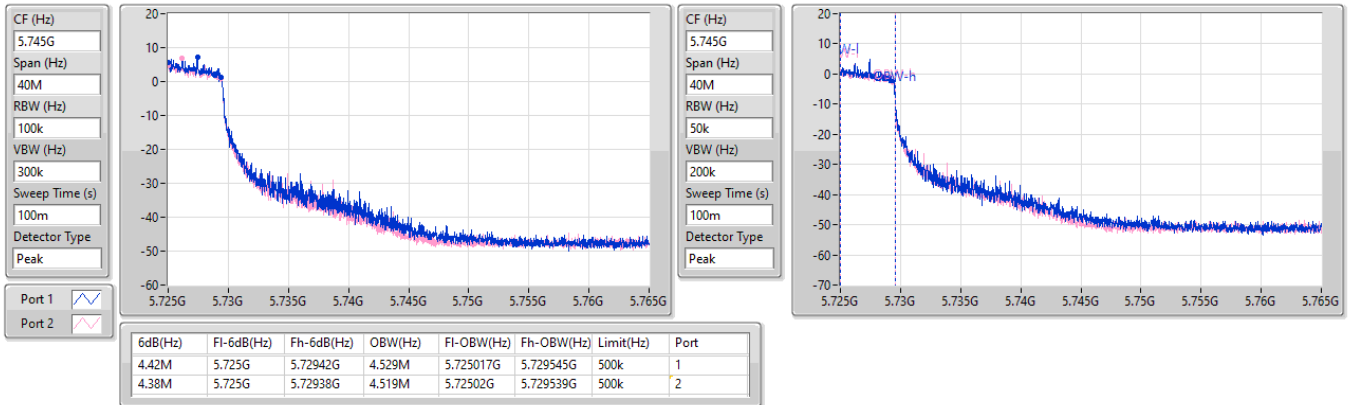




5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

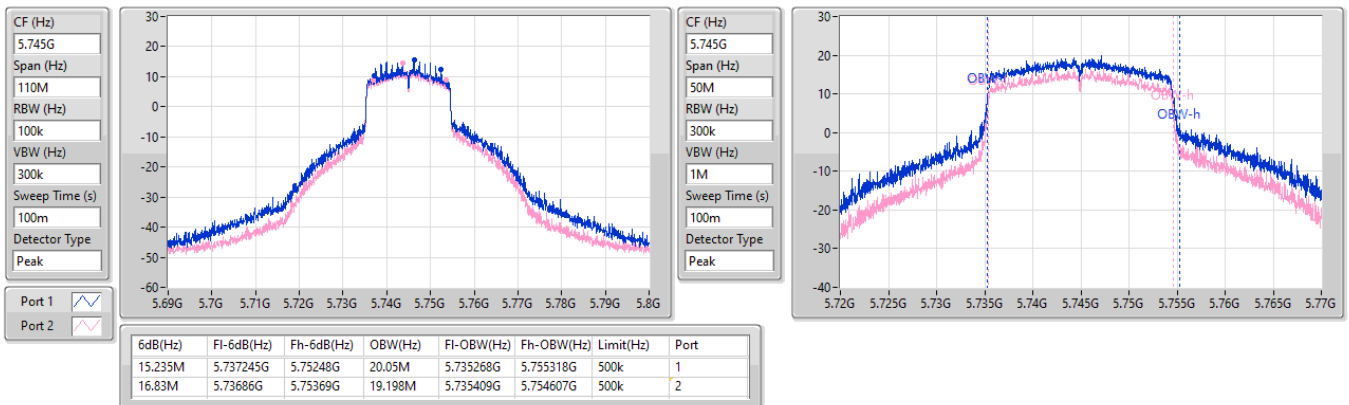
5720MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5745MHz

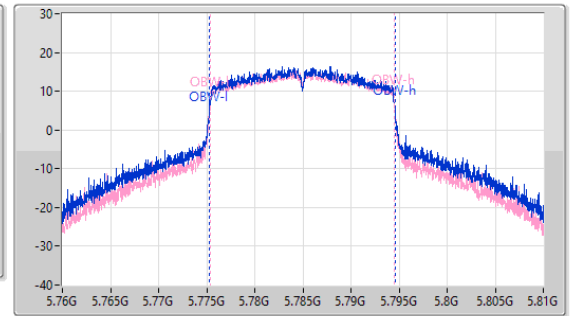
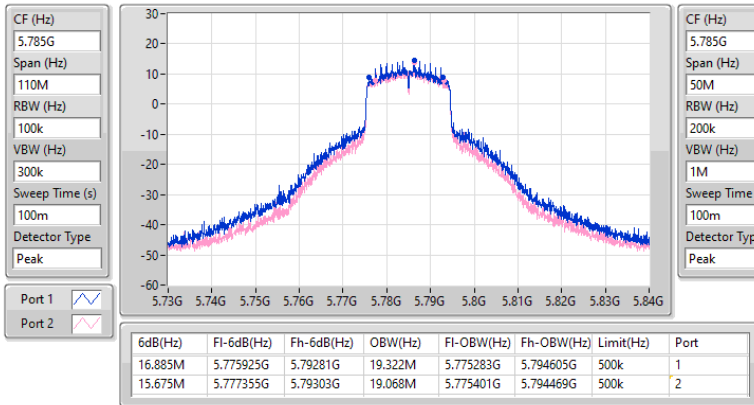




5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

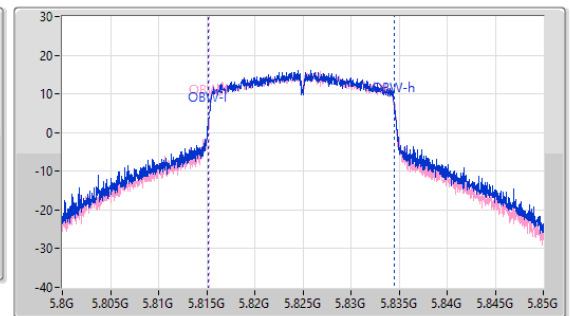
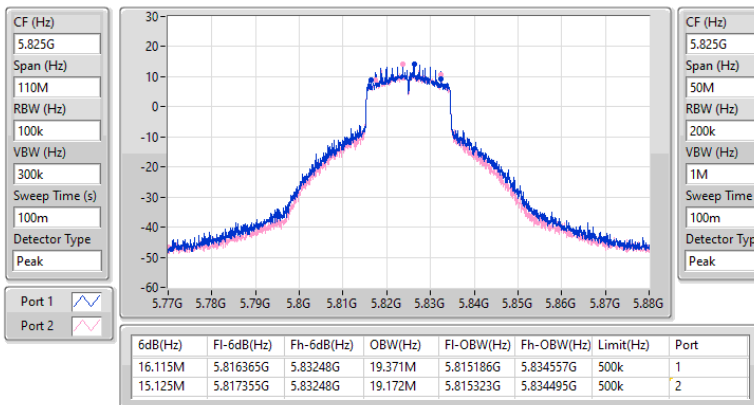
5785MHz



5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5825MHz

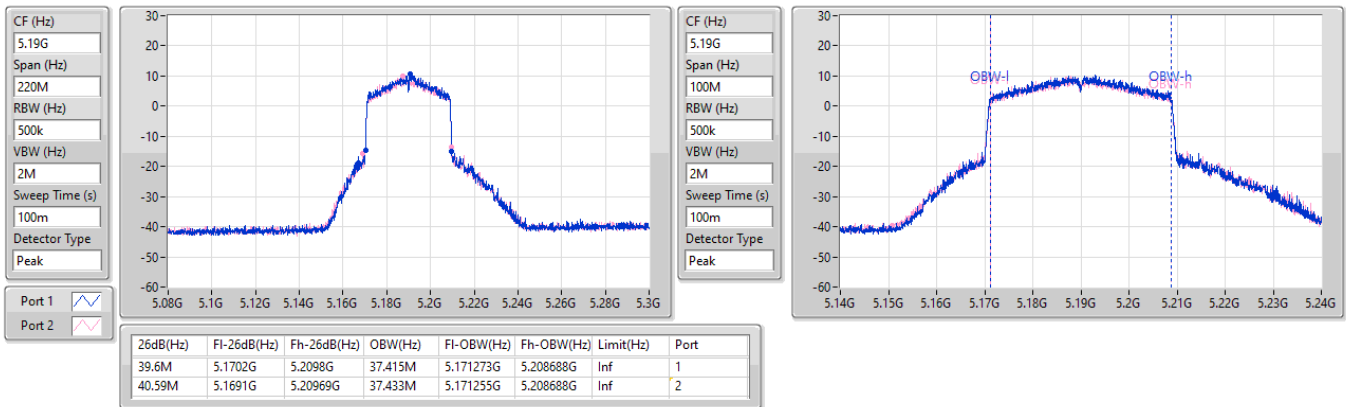




5.15-5.25GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

EBW

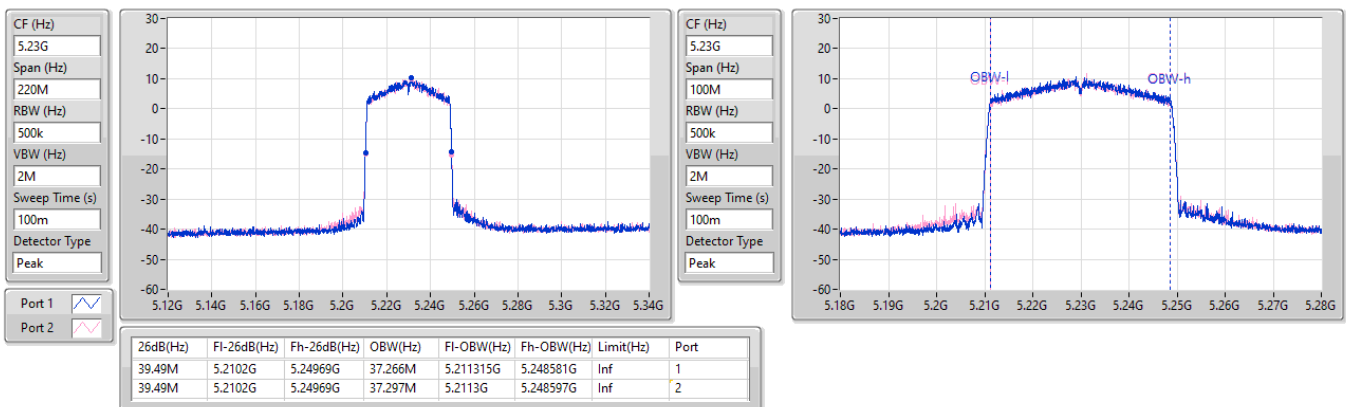
5190MHz



5.15-5.25GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

EBW

5230MHz

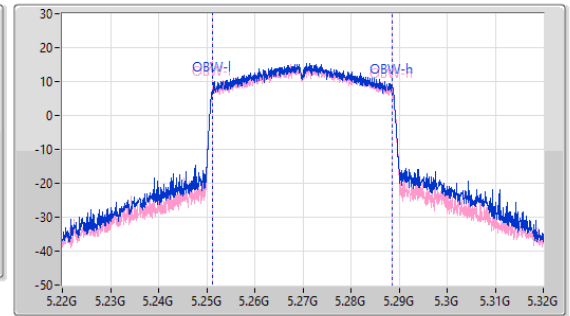
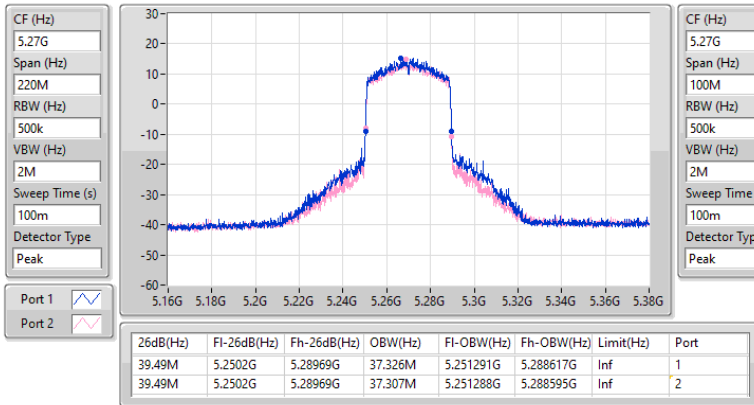




5.25-5.35GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

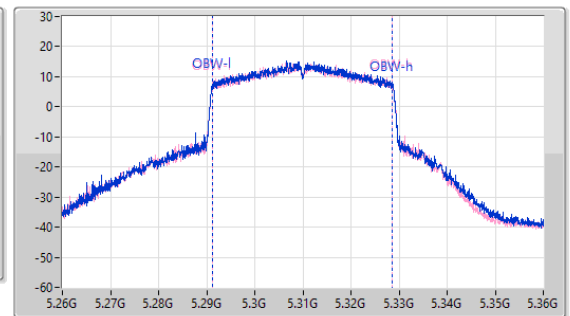
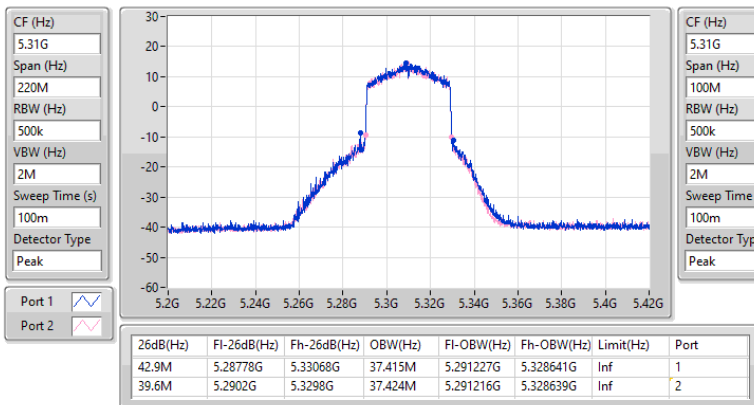
5270MHz



5.25-5.35GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5310MHz

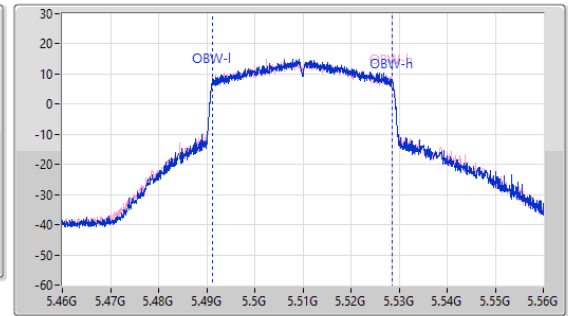
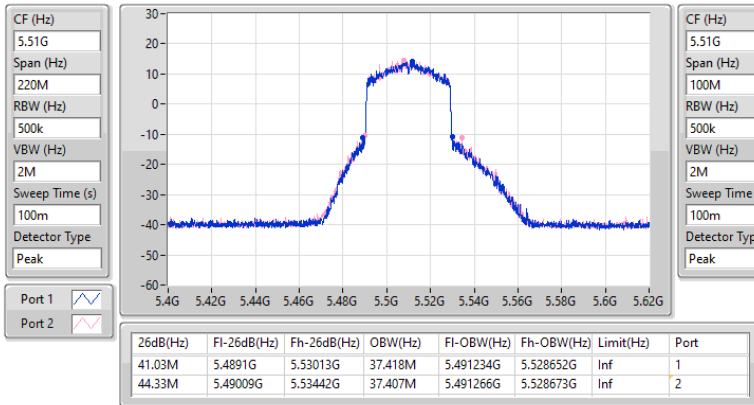




5.47-5.725GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

EBW

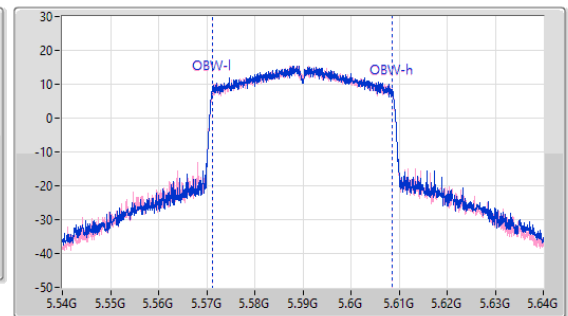
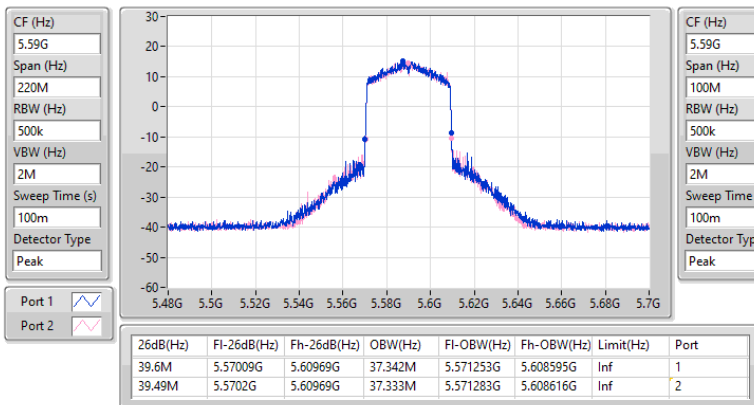
5510MHz



5.47-5.725GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

EBW

5590MHz

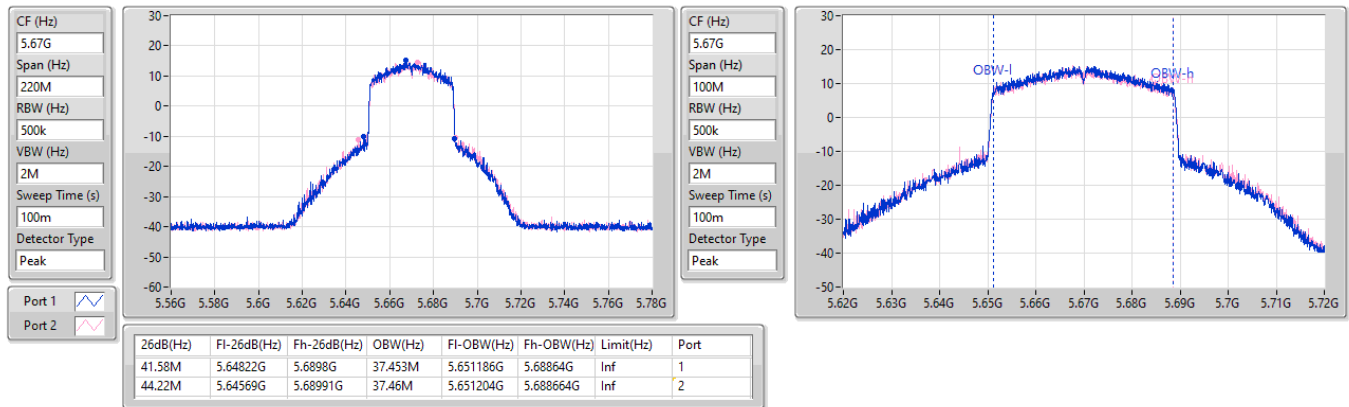




5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

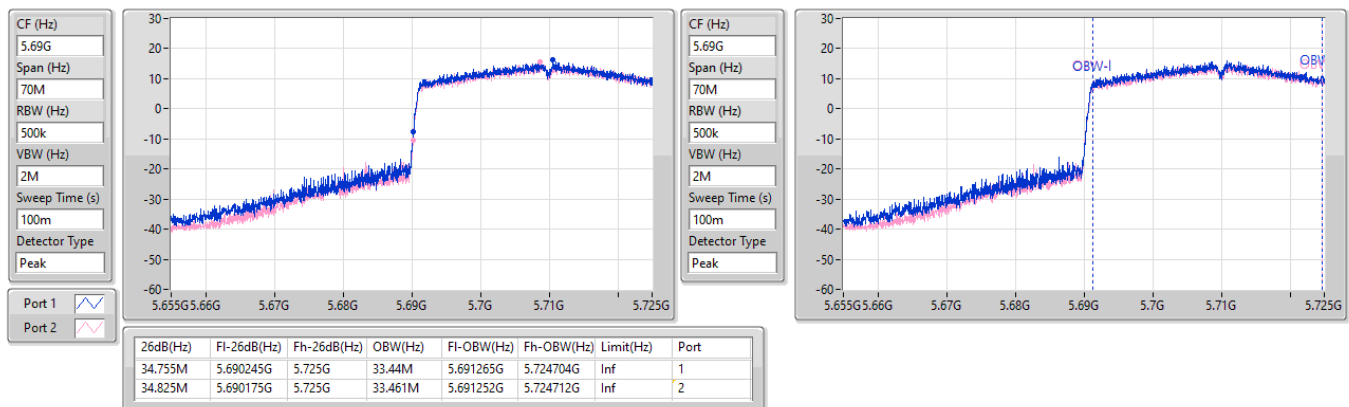
5670MHz



5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

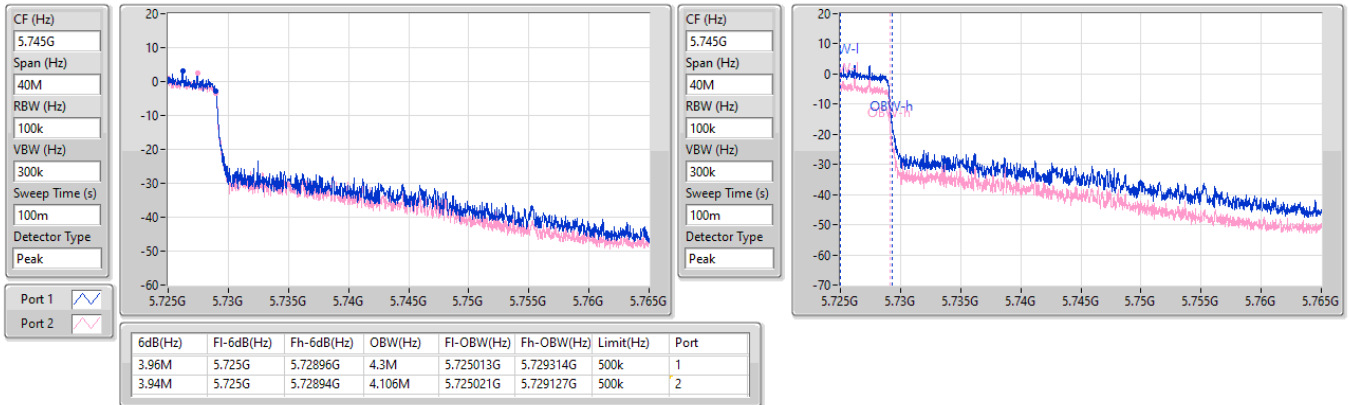




5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

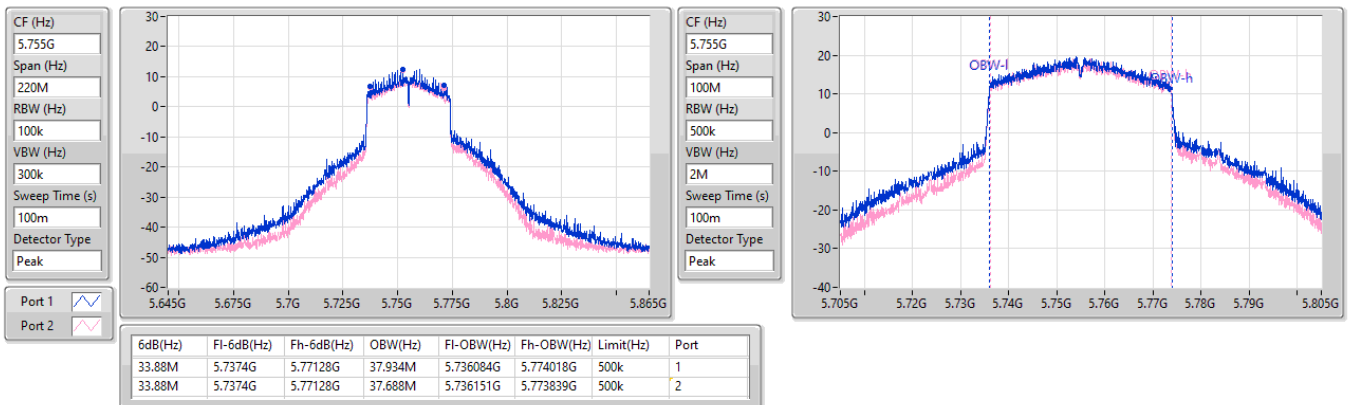
5710MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5755MHz

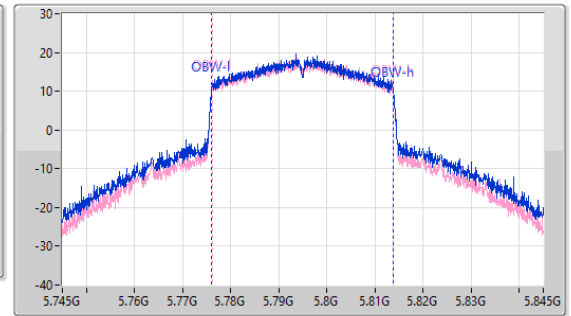
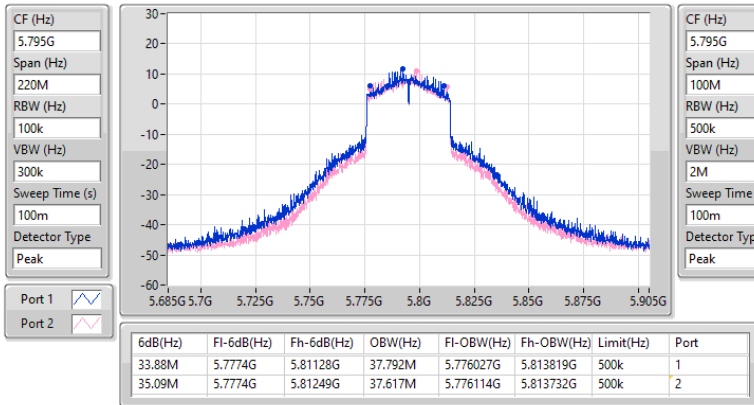




5.725-5.85GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

EBW

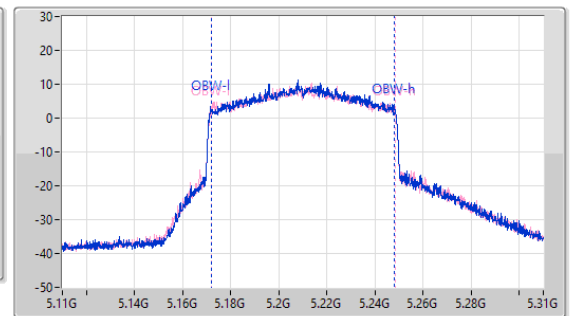
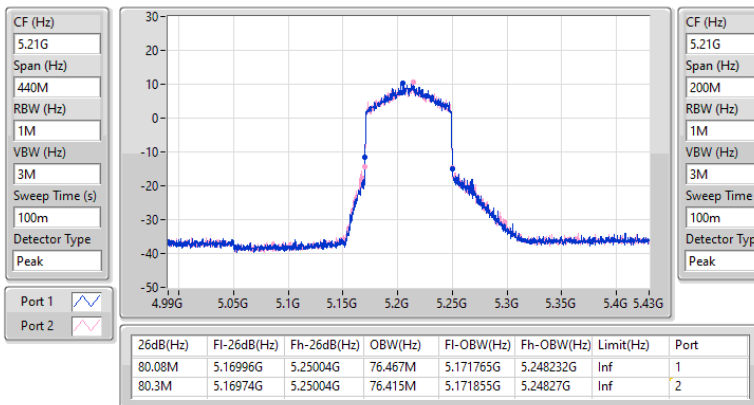
5795MHz



5.15-5.25GHz_802.11ax_HEW80_Nss2,(MCS0)_2TX

EBW

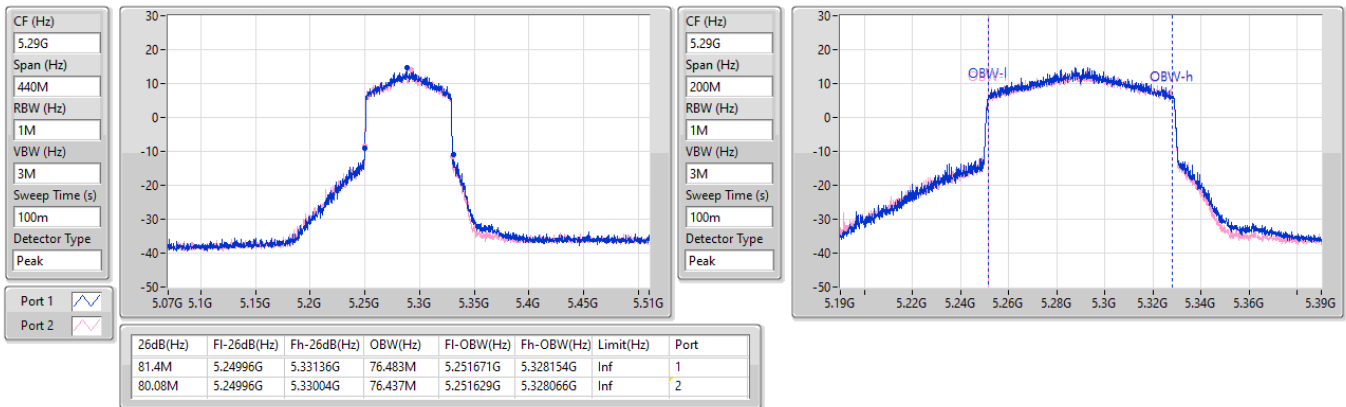
5210MHz



5.25-5.35GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

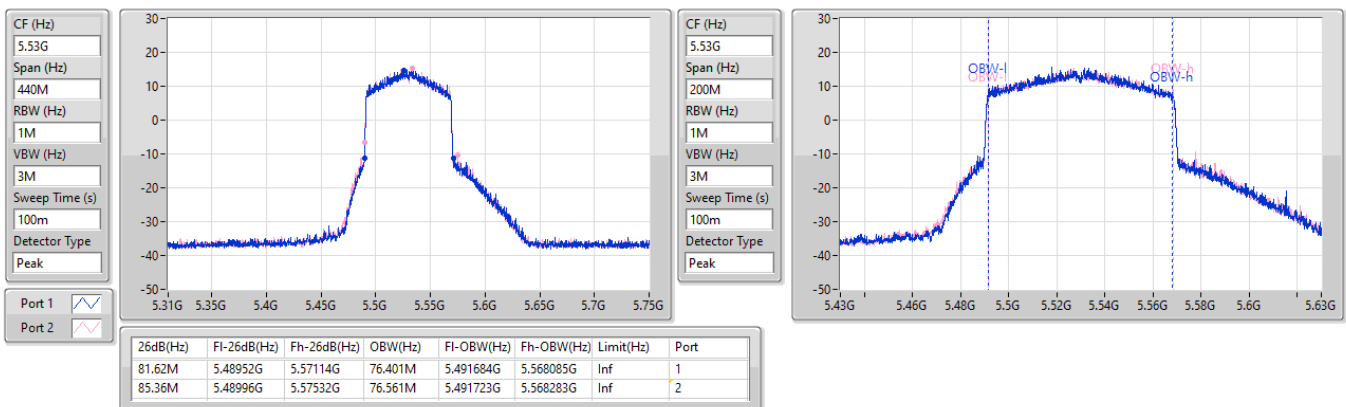
5290MHz



5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5530MHz

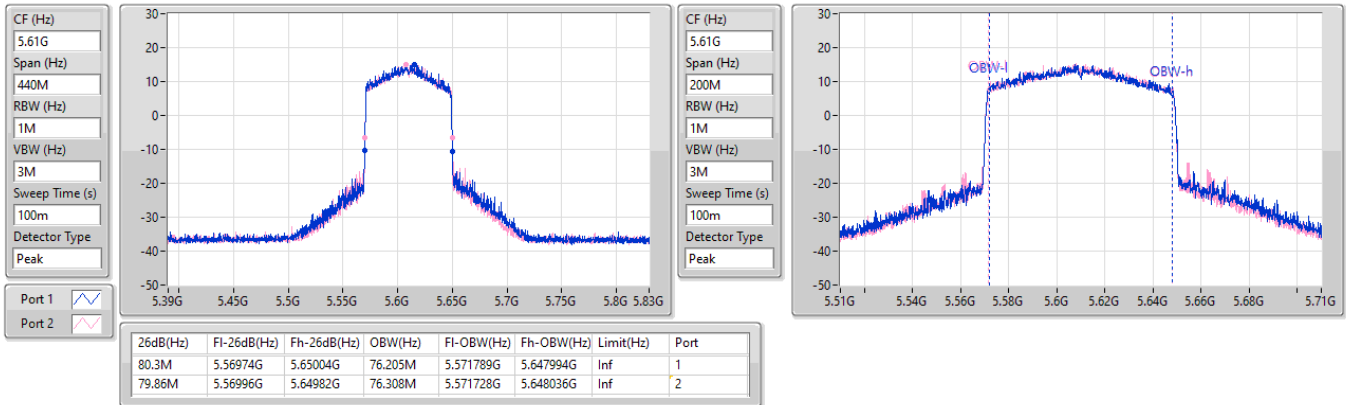




5.47-5.725GHz_802.11ax_HEW80_Nss2,(MCS0)_2TX

EBW

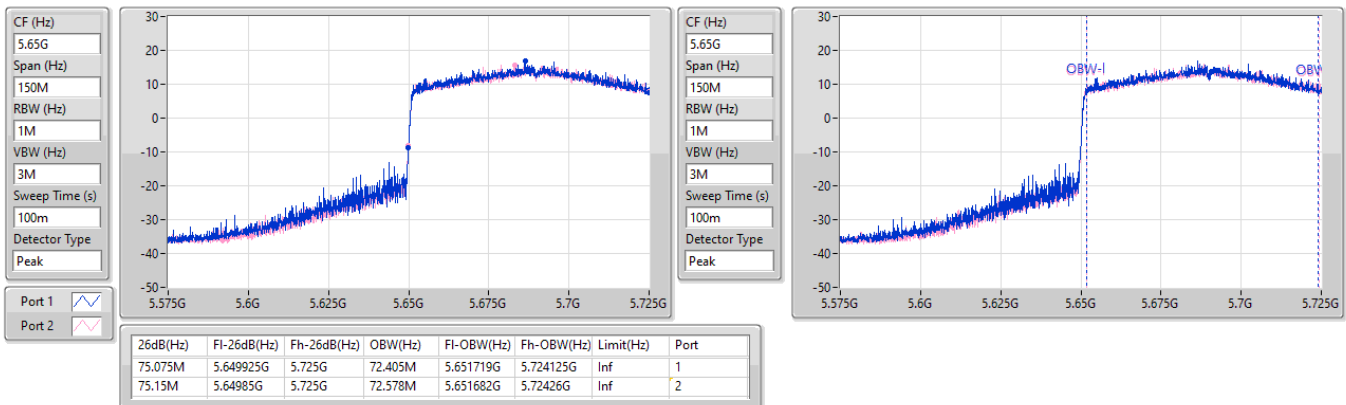
5610MHz



5.47-5.725GHz_802.11ax_HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

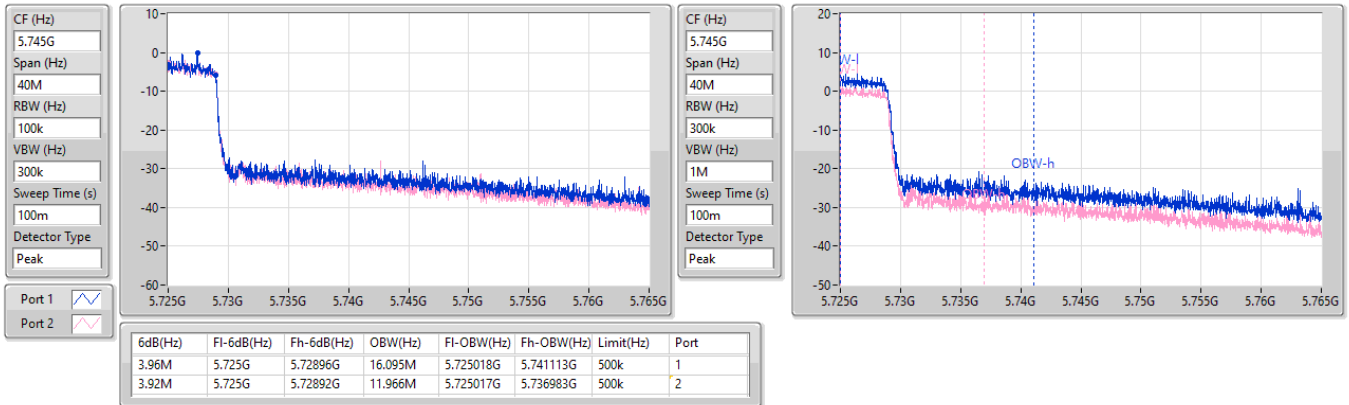




5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

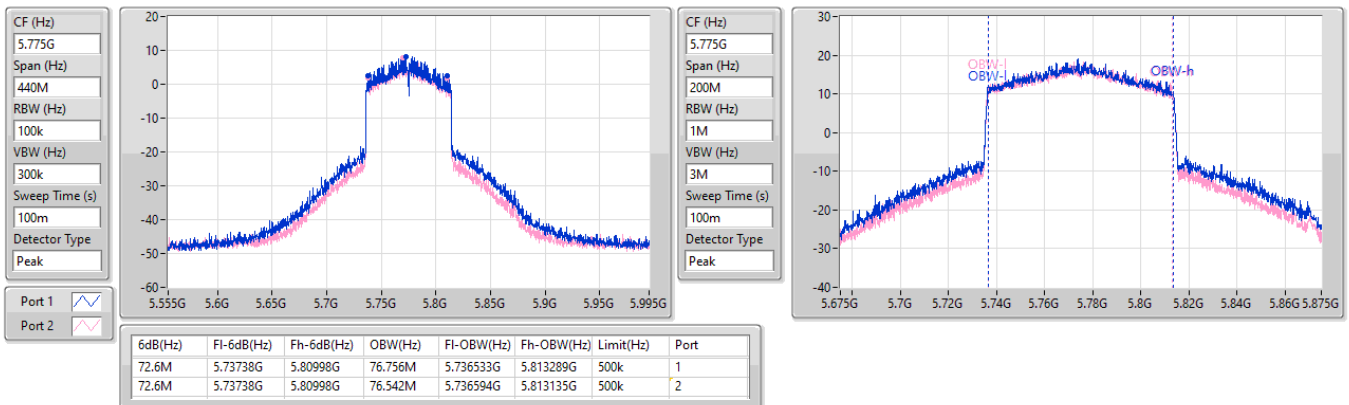
5690MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5775MHz

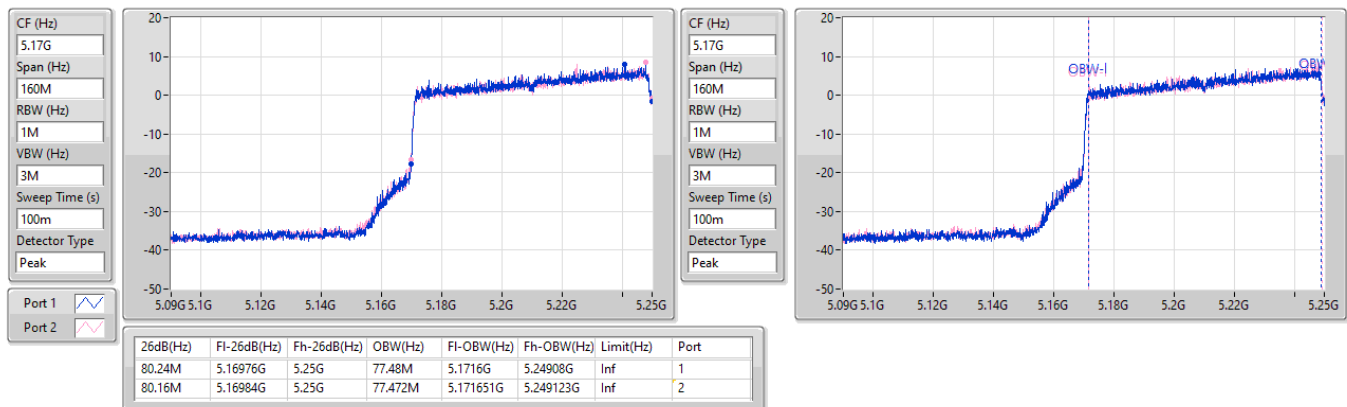




5.15-5.25GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

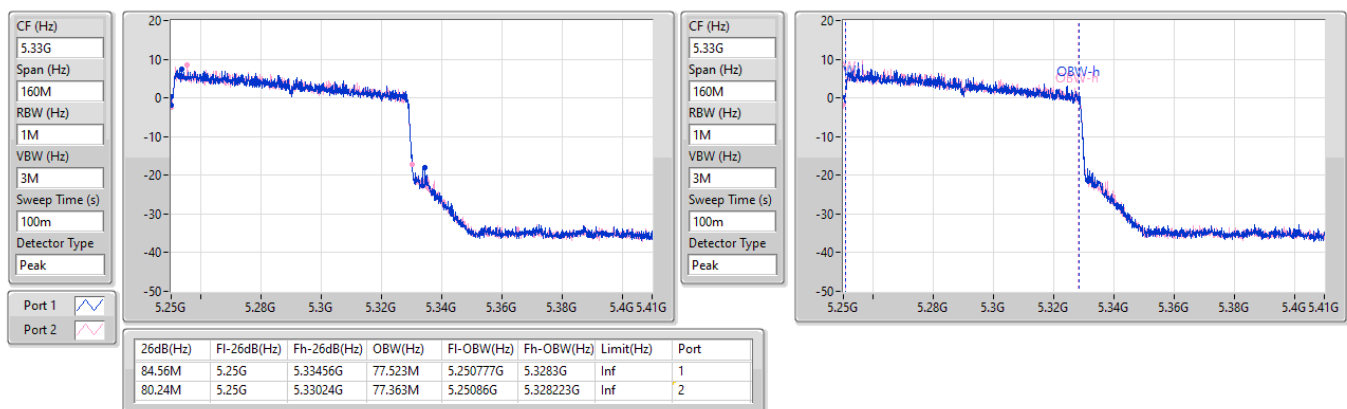
5250MHz Straddle 5.15-5.25GHz



5.25-5.35GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

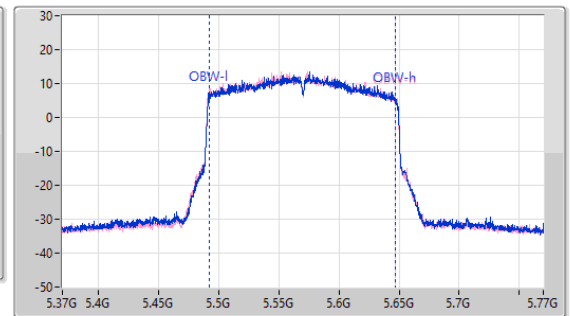
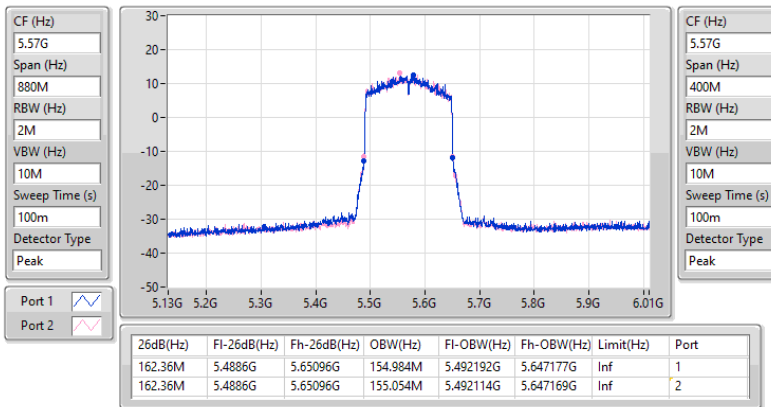




5.47-5.725GHz_802.11ax_HEW160_Nss2,(MCS0)_2TX

EBW

5570MHz



Non-beamforming mode
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.23	0.08375	22.83	0.19187
802.11ax HEW20_Nss2,(MCS0)_2TX	19.18	0.08279	22.73	0.18750
802.11ax HEW40_Nss2,(MCS0)_2TX	19.20	0.08318	22.75	0.18836
802.11ax HEW80_Nss2,(MCS0)_2TX	18.98	0.07907	22.53	0.17906
802.11ax HEW160_Nss2,(MCS0)_2TX	15.52	0.03565	19.07	0.08072
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.24	0.16749	25.64	0.36644
802.11ax HEW20_Nss2,(MCS0)_2TX	23.12	0.20512	26.47	0.44361
802.11ax HEW40_Nss2,(MCS0)_2TX	23.65	0.23174	27.00	0.50119
802.11ax HEW80_Nss2,(MCS0)_2TX	22.60	0.18197	25.95	0.39355
802.11ax HEW160_Nss2,(MCS0)_2TX	15.59	0.03622	18.94	0.07834
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.43	0.17498	26.03	0.40087
802.11ax HEW20_Nss2,(MCS0)_2TX	23.36	0.21677	26.58	0.45499
802.11ax HEW40_Nss2,(MCS0)_2TX	23.67	0.23281	26.89	0.48865
802.11ax HEW80_Nss2,(MCS0)_2TX	23.87	0.24378	27.09	0.51168
802.11ax HEW160_Nss2,(MCS0)_2TX	21.83	0.15241	25.05	0.31989
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	27.94	0.62230	31.64	1.45881
802.11ax HEW20_Nss2,(MCS0)_2TX	28.35	0.68391	31.62	1.45211
802.11ax HEW40_Nss2,(MCS0)_2TX	28.61	0.72611	31.88	1.54170
802.11ax HEW80_Nss2,(MCS0)_2TX	26.57	0.45394	29.84	0.96383

**Conducted Output Power(Average)****Appendix B****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	3.60	15.93	15.62	18.79	30.00	22.39	36.00
5200MHz	Pass	3.60	16.02	15.69	18.87	30.00	22.47	36.00
5240MHz	Pass	3.60	16.32	16.12	19.23	30.00	22.83	36.00
5260MHz	Pass	3.40	19.5	18.81	22.18	24.00	25.58	30.00
5300MHz	Pass	3.40	19.33	18.99	22.17	24.00	25.57	30.00
5320MHz	Pass	3.40	19.28	19.17	22.24	24.00	25.64	30.00
5500MHz	Pass	3.60	19.45	19.39	22.43	24.00	26.03	30.00
5580MHz	Pass	3.60	19.28	19.2	22.25	23.89	25.85	29.89
5700MHz	Pass	3.60	19.45	19.05	22.26	24.00	25.86	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.60	18.59	18.2	21.41	22.73	25.01	28.73
5720MHz Straddle 5.725-5.85GHz	Pass	3.70	11.01	10.72	13.88	30.00	17.58	36.00
5745MHz	Pass	3.70	25.19	24.65	27.94	30.00	31.64	36.00
5785MHz	Pass	3.70	24.55	24.12	27.35	30.00	31.05	36.00
5825MHz	Pass	3.70	24.47	24.43	27.46	30.00	31.16	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.55	16.25	15.84	19.06	30.00	22.61	36.00
5200MHz	Pass	3.55	16.31	16.03	19.18	30.00	22.73	36.00
5240MHz	Pass	3.55	16.26	16.06	19.17	30.00	22.72	36.00
5260MHz	Pass	3.35	20.33	19.63	23.00	24.00	26.35	30.00
5300MHz	Pass	3.35	20.23	19.88	23.07	24.00	26.42	30.00
5320MHz	Pass	3.35	20.21	20.01	23.12	24.00	26.47	30.00
5500MHz	Pass	3.22	20.3	20.39	23.36	24.00	26.58	30.00
5580MHz	Pass	3.22	19.95	19.92	22.95	24.00	26.17	30.00
5700MHz	Pass	3.22	20.36	19.93	23.16	24.00	26.38	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.22	19.39	18.97	22.20	22.92	25.42	28.92
5720MHz Straddle 5.725-5.85GHz	Pass	3.27	12.69	12.28	15.50	30.00	18.77	36.00
5745MHz	Pass	3.27	25.59	25.08	28.35	30.00	31.62	36.00
5785MHz	Pass	3.27	24.9	24.52	27.72	30.00	30.99	36.00
5825MHz	Pass	3.27	24.8	24.86	27.84	30.00	31.11	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.55	16.4	15.97	19.20	30.00	22.75	36.00
5230MHz	Pass	3.55	15.88	15.62	18.76	30.00	22.31	36.00
5270MHz	Pass	3.35	20.98	20.26	23.65	24.00	27.00	30.00
5310MHz	Pass	3.35	20.77	20.36	23.58	24.00	26.93	30.00
5510MHz	Pass	3.22	20.54	20.62	23.59	24.00	26.81	30.00
5590MHz	Pass	3.22	20.64	20.57	23.62	24.00	26.84	30.00
5670MHz	Pass	3.22	20.86	20.42	23.66	24.00	26.88	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.22	20.92	20.39	23.67	24.00	26.89	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.27	8.23	7.88	11.07	30.00	14.34	36.00
5755MHz	Pass	3.27	25.62	25.57	28.61	30.00	31.88	36.00
5795MHz	Pass	3.27	24.89	24.44	27.68	30.00	30.95	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-

**Conducted Output Power(Average)****Appendix B**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5210MHz	Pass	3.55	16.11	15.82	18.98	30.00	22.53	36.00
5290MHz	Pass	3.35	19.82	19.35	22.60	24.00	25.95	30.00
5530MHz	Pass	3.22	20.51	20.06	23.30	24.00	26.52	30.00
5610MHz	Pass	3.22	21.1	20.6	23.87	24.00	27.09	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.22	20.63	20.22	23.44	24.00	26.66	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.27	3.95	3.86	6.92	30.00	10.19	36.00
5775MHz	Pass	3.27	23.85	23.25	26.57	30.00	29.84	36.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.55	12.63	12.39	15.52	30.00	19.07	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.35	12.59	12.56	15.59	24.00	18.94	30.00
5570MHz	Pass	3.22	18.89	18.75	21.83	24.00	25.05	30.00

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

ax HT20 / 40 / 80 / 160

5.15-5.25GHz:

Directional gain = $10 \log ((10^{3.6/10} + 10^{3.5/10}) / 2) = 3.55\text{dBi}$

5.25-5.35GHz:

Directional gain = $10 \log ((10^{3.4/10} + 10^{3.3/10}) / 2) = 3.35\text{dBi}$

5.47-5.725GHz:

Directional gain = $10 \log ((10^{3.6/10} + 10^{2.8/10}) / 2) = 3.22\text{dBi}$

5.725-5.85GHz:

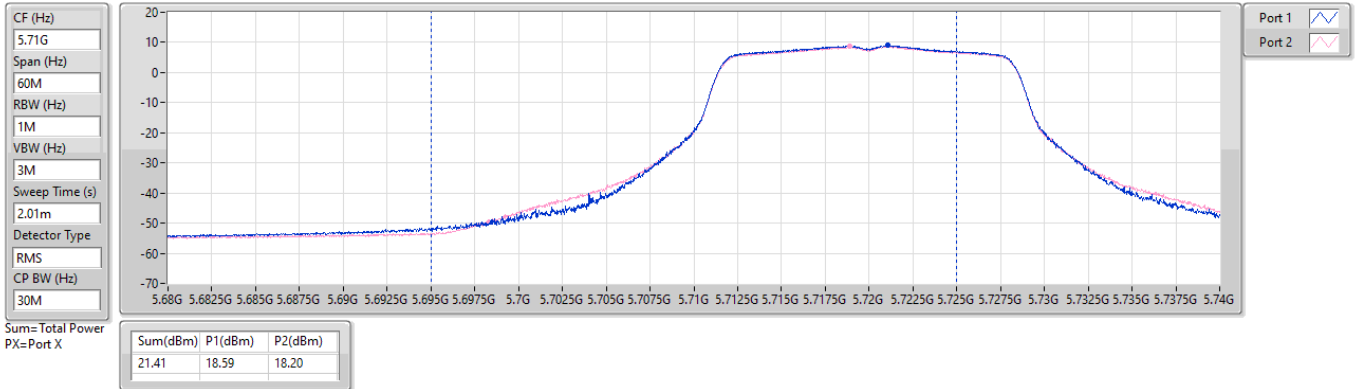
Directional gain = $10 \log ((10^{3.7/10} + 10^{2.8/10}) / 2) = 3.27\text{dBi}$



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

AV Power

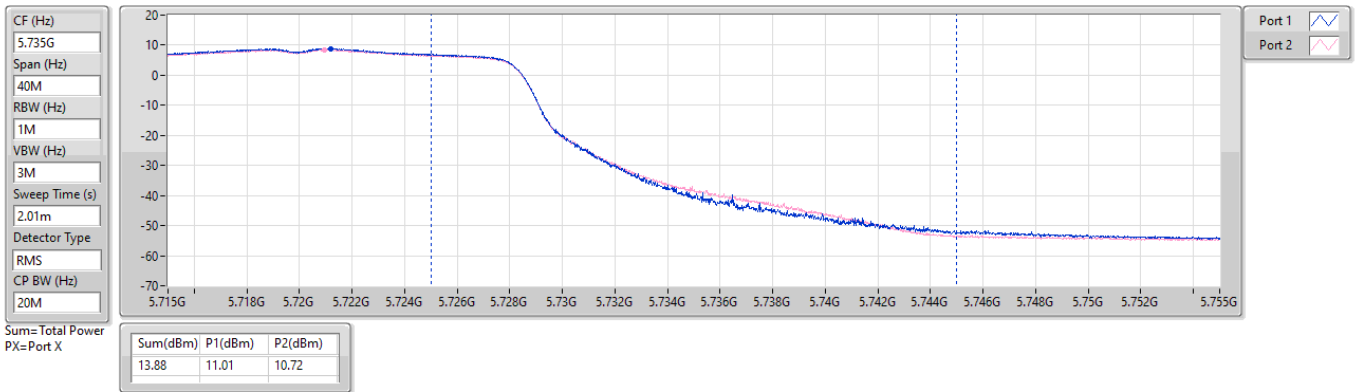
5720MHz Straddle 5.47-5.725GHz_TX



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

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

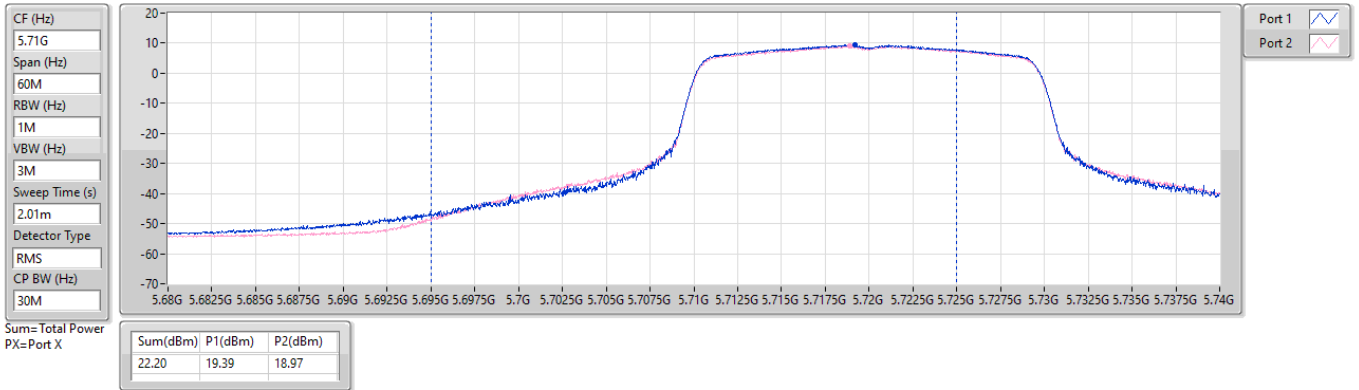




5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

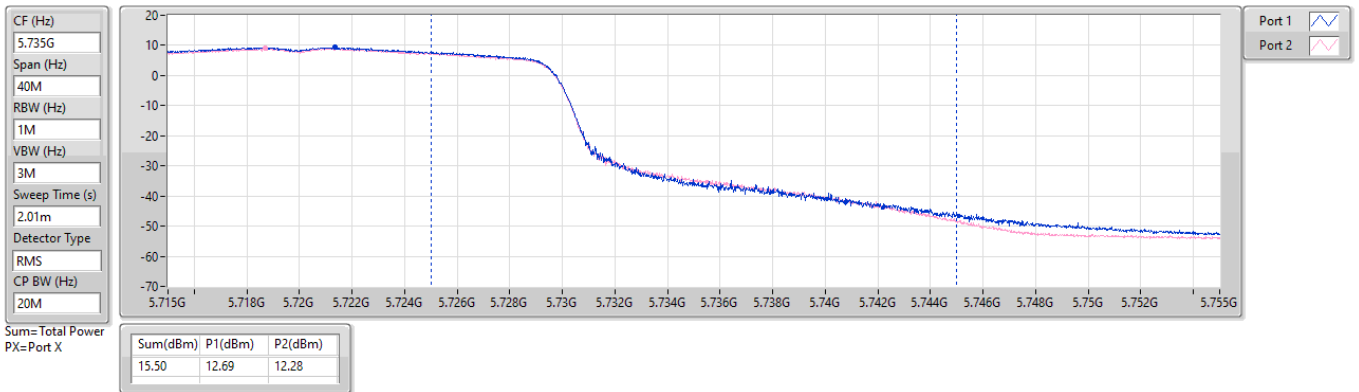
5720MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

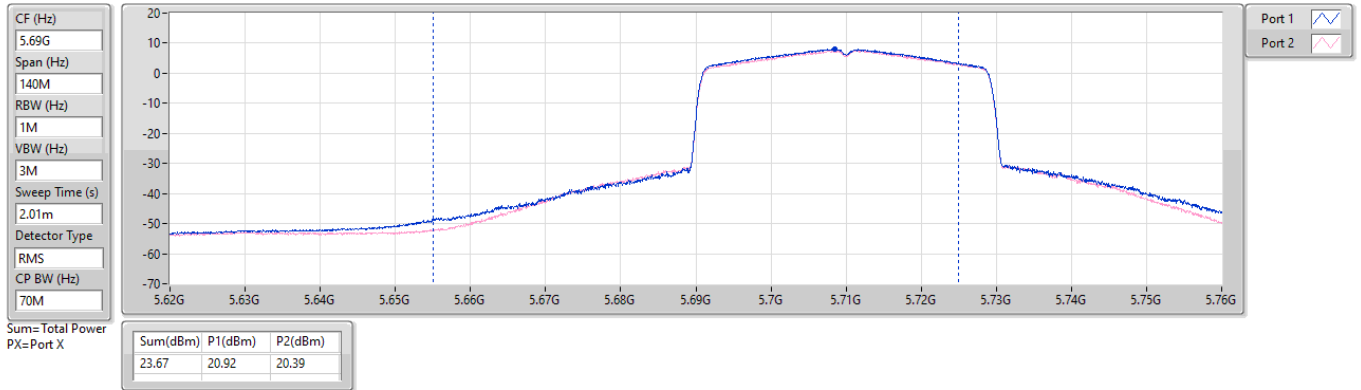




5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

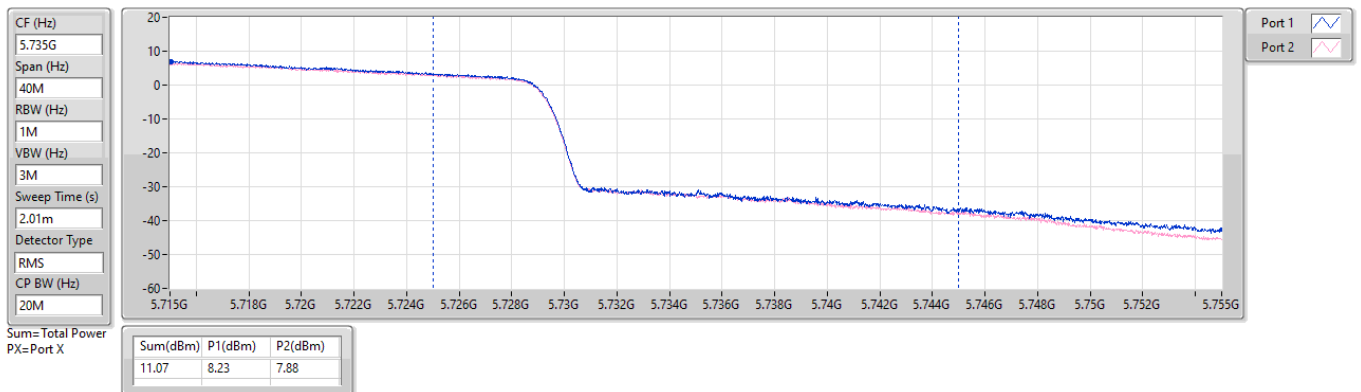
5710MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

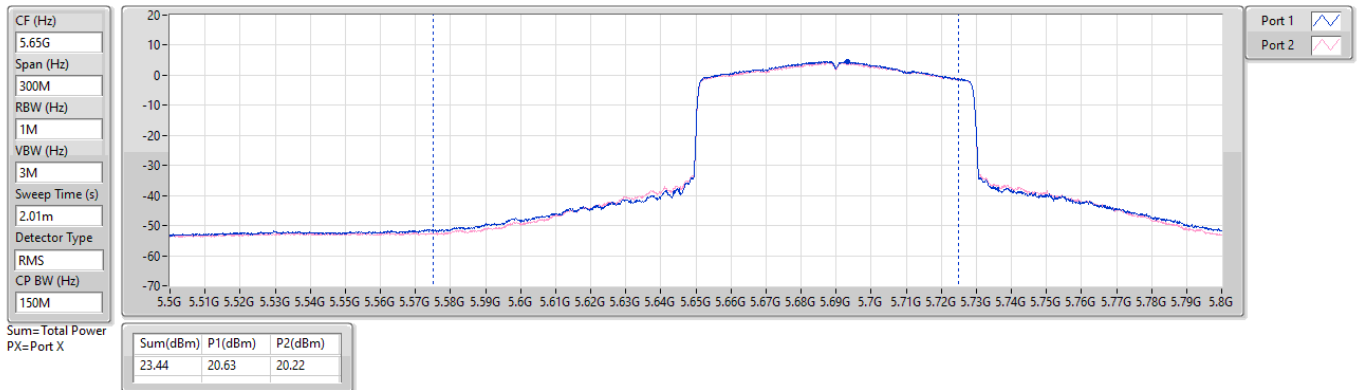




5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

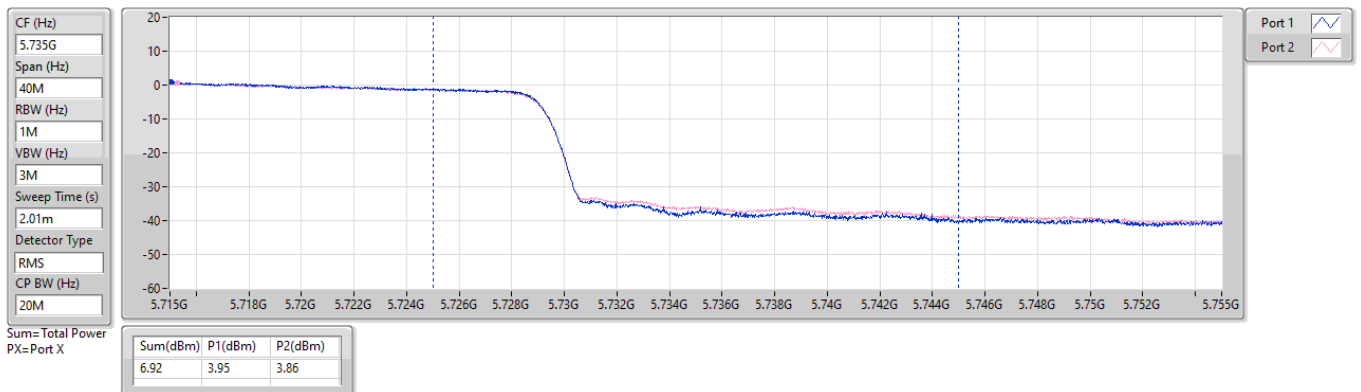
5690MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

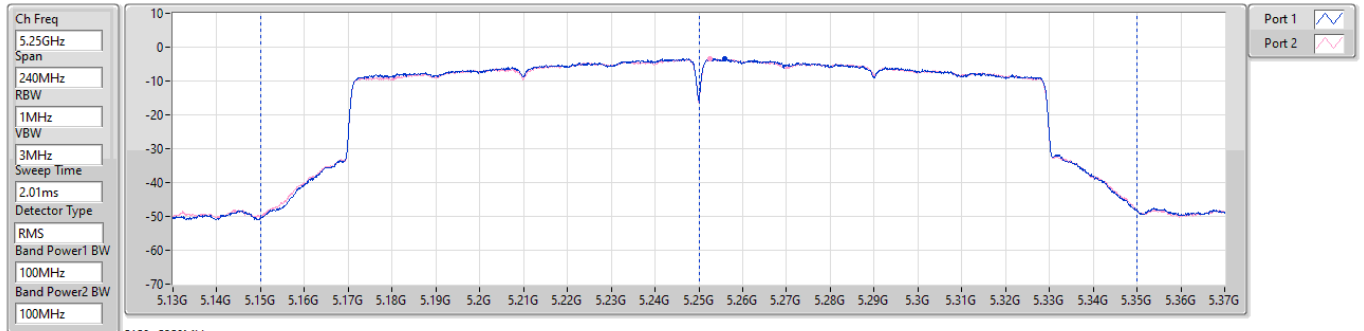




5.15-5.25GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX



Sum=Total Power
PX=Port X

5150~5250MHz		
Sum(dBm)	P1(dBm)	P2(dBm)
15.52	12.63	12.39

5250~5350MHz		
Sum(dBm)	P1(dBm)	P2(dBm)
15.59	12.59	12.56

Beamforming mode
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_2TX	16.17	0.04140	19.72	0.09376
802.11ax HEW40-BF_Nss2,(MCS0)_2TX	16.19	0.04159	19.74	0.09419
802.11ax HEW80-BF_Nss2,(MCS0)_2TX	15.97	0.03954	19.52	0.08954
802.11ax HEW160-BF_Nss2,(MCS0)_2TX	12.51	0.01782	16.06	0.04036
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_2TX	20.11	0.10257	23.46	0.22182
802.11ax HEW40-BF_Nss2,(MCS0)_2TX	20.64	0.11588	23.99	0.25061
802.11ax HEW80-BF_Nss2,(MCS0)_2TX	19.59	0.09099	22.94	0.19679
802.11ax HEW160-BF_Nss2,(MCS0)_2TX	12.58	0.01811	15.93	0.03917
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_2TX	20.35	0.10839	23.57	0.22751
802.11ax HEW40-BF_Nss2,(MCS0)_2TX	20.66	0.11641	23.88	0.24434
802.11ax HEW80-BF_Nss2,(MCS0)_2TX	20.86	0.12190	24.08	0.25586
802.11ax HEW160-BF_Nss2,(MCS0)_2TX	18.82	0.07621	22.04	0.15996
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_2TX	25.34	0.34198	28.61	0.72611
802.11ax HEW40-BF_Nss2,(MCS0)_2TX	25.60	0.36308	28.87	0.77090
802.11ax HEW80-BF_Nss2,(MCS0)_2TX	23.56	0.22699	26.83	0.48195

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_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.55	13.24	12.83	16.05	30.00	19.60	36.00
5200MHz	Pass	3.55	13.3	13.02	16.17	30.00	19.72	36.00
5240MHz	Pass	3.55	13.25	13.05	16.16	30.00	19.71	36.00
5260MHz	Pass	3.35	17.32	16.62	19.99	24.00	23.34	30.00
5300MHz	Pass	3.35	17.22	16.87	20.06	24.00	23.41	30.00
5320MHz	Pass	3.35	17.2	17	20.11	24.00	23.46	30.00
5500MHz	Pass	3.22	17.29	17.38	20.35	24.00	23.57	30.00
5580MHz	Pass	3.22	16.94	16.91	19.94	24.00	23.16	30.00
5700MHz	Pass	3.22	17.35	16.92	20.15	24.00	23.37	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.22	16.38	15.96	19.19	22.92	22.41	28.92
5720MHz Straddle 5.725-5.85GHz	Pass	3.27	9.68	9.27	12.49	30.00	15.76	36.00
5745MHz	Pass	3.27	22.58	22.07	25.34	30.00	28.61	36.00
5785MHz	Pass	3.27	21.89	21.51	24.71	30.00	27.98	36.00
5825MHz	Pass	3.27	21.79	21.85	24.83	30.00	28.10	36.00
802.11ax HEW40-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.55	13.39	12.96	16.19	30.00	19.74	36.00
5230MHz	Pass	3.55	12.87	12.61	15.75	30.00	19.30	36.00
5270MHz	Pass	3.35	17.97	17.25	20.64	24.00	23.99	30.00
5310MHz	Pass	3.35	17.76	17.35	20.57	24.00	23.92	30.00
5510MHz	Pass	3.22	17.53	17.61	20.58	24.00	23.80	30.00
5590MHz	Pass	3.22	17.63	17.56	20.61	24.00	23.83	30.00
5670MHz	Pass	3.22	17.85	17.41	20.65	24.00	23.87	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.22	17.91	17.38	20.66	24.00	23.88	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.27	5.22	4.87	8.06	30.00	11.33	36.00
5755MHz	Pass	3.27	22.61	22.56	25.60	30.00	28.87	36.00
5795MHz	Pass	3.27	21.88	21.43	24.67	30.00	27.94	36.00
802.11ax HEW80-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.55	13.1	12.81	15.97	30.00	19.52	36.00
5290MHz	Pass	3.35	16.81	16.34	19.59	24.00	22.94	30.00
5530MHz	Pass	3.22	17.5	17.05	20.29	24.00	23.51	30.00
5610MHz	Pass	3.22	18.09	17.59	20.86	24.00	24.08	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.22	17.62	17.21	20.43	24.00	23.65	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.27	0.94	0.85	3.91	30.00	7.18	36.00
5775MHz	Pass	3.27	20.84	20.24	23.56	30.00	26.83	36.00
802.11ax HEW160-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.55	9.62	9.38	12.51	30.00	16.06	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.35	9.58	9.55	12.58	24.00	15.93	30.00
5570MHz	Pass	3.22	15.88	15.74	18.82	24.00	22.04	30.00

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



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5.15-5.25GHz:

Directional gain = $10 \log ((10^{3.6/10} + 10^{3.5/10}) / 2) = 3.55\text{dBi}$

5.25-5.35GHz:

Directional gain = $10 \log ((10^{3.4/10} + 10^{3.3/10}) / 2) = 3.35\text{dBi}$

5.47-5.725GHz:

Directional gain = $10 \log ((10^{3.6/10} + 10^{2.8/10}) / 2) = 3.22\text{dBi}$

5.725-5.85GHz:

Directional gain = $10 \log ((10^{3.7/10} + 10^{2.8/10}) / 2) = 3.27\text{dBi}$

**Non-beamforming mode**

Mode	Result	Port 1 Antenna Gain Elevation 30° (dBi)	Port 2 Antenna Gain Elevation 30° (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	EIRP-Elevation 30° (dBm)	EIRP Limit- Elevation 30° (dBm)
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX_5180MHz	Pass	1.80	1.50	15.93	15.62	18.79	20.44	21.00
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX_5200MHz	Pass	1.80	1.50	16.02	15.69	18.87	20.52	21.00
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX_5240MHz	Pass	1.80	1.50	16.32	16.12	19.23	20.88	21.00
5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX_5180MHz	Pass	1.80	1.50	16.25	15.84	19.06	20.71	21.00
5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX_5200MHz	Pass	1.80	1.50	16.31	16.03	19.18	20.83	21.00
5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX_5240MHz	Pass	1.80	1.50	16.26	16.06	19.17	20.82	21.00
5.15-5.25GHz_802.11ax HEW40_Nss2,(MCS0)_2TX_5190MHz	Pass	1.80	1.50	16.4	15.97	19.20	20.85	21.00
5.15-5.25GHz_802.11ax HEW40_Nss2,(MCS0)_2TX_5230MHz	Pass	1.80	1.50	15.88	15.62	18.76	20.41	21.00
5.15-5.25GHz_802.11ax HEW80_Nss2,(MCS0)_2TX_5210MHz	Pass	1.80	1.50	16.11	15.82	18.98	20.63	21.00
5.15-5.25GHz_802.11ax HEW160_Nss2,(MCS0)_2TX_5250MHz	Pass	1.80	1.50	12.63	12.39	15.52	17.17	21.00

**Beamforming mode**

Mode	Result	Antenna Gain-Elevation 30° (dBi)	Total Power (dBm)	EIRP-Elevation 30° (dBm)	EIRP Limit- Elevation 30° (dBm)
5.15-5.25GHz_802.11ax HEW20-BF_Nss2,(MCS0)_2TX_5180MHz	Pass	1.65	16.05	17.7	21.00
5.15-5.25GHz_802.11ax HEW20-BF_Nss2,(MCS0)_2TX_5200MHz	Pass	1.65	16.17	17.82	21.00
5.15-5.25GHz_802.11ax HEW20-BF_Nss2,(MCS0)_2TX_5240MHz	Pass	1.65	16.16	17.81	21.00
5.15-5.25GHz_802.11ax HEW40-BF_Nss2,(MCS0)_2TX_5190MHz	Pass	1.65	16.19	17.84	21.00
5.15-5.25GHz_802.11ax HEW40-BF_Nss2,(MCS0)_2TX_5230MHz	Pass	1.65	15.75	17.4	21.00
5.15-5.25GHz_802.11ax HEW80-BF_Nss2,(MCS0)_2TX_5210MHz	Pass	1.65	15.97	17.62	21.00
5.15-5.25GHz_802.11ax HEW160-BF_Nss2,(MCS0)_2TX_5250MHz	Pass	1.65	12.51	14.16	21.00

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	6.03	12.59
802.11ax HEW20_Nss2,(MCS0)_2TX	6.29	9.84
802.11ax HEW40_Nss2,(MCS0)_2TX	3.87	7.42
802.11ax HEW80_Nss2,(MCS0)_2TX	0.47	4.02
802.11ax HEW160_Nss2,(MCS0)_2TX	-2.02	1.53
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.32	16.68
802.11ax HEW20_Nss2,(MCS0)_2TX	10.70	14.05
802.11ax HEW40_Nss2,(MCS0)_2TX	8.28	11.63
802.11ax HEW80_Nss2,(MCS0)_2TX	4.26	7.61
802.11ax HEW160_Nss2,(MCS0)_2TX	-2.03	1.32
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.61	16.83
802.11ax HEW20_Nss2,(MCS0)_2TX	10.88	14.10
802.11ax HEW40_Nss2,(MCS0)_2TX	9.29	12.51
802.11ax HEW80_Nss2,(MCS0)_2TX	5.91	9.13
802.11ax HEW160_Nss2,(MCS0)_2TX	0.48	3.70
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	14.69	20.96
802.11ax HEW20_Nss2,(MCS0)_2TX	14.44	17.71
802.11ax HEW40_Nss2,(MCS0)_2TX	11.56	14.83
802.11ax HEW80_Nss2,(MCS0)_2TX	7.22	10.49

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	6.56	2.91	2.49	5.61	16.44	12.17	23.00
5200MHz	Pass	6.56	2.98	2.67	5.74	16.44	12.30	23.00
5240MHz	Pass	6.56	3.29	3.04	6.03	16.44	12.59	23.00
5260MHz	Pass	6.36	7.68	6.98	10.25	10.64	16.61	17.00
5300MHz	Pass	6.36	7.57	7.12	10.25	10.64	16.61	17.00
5320MHz	Pass	6.36	7.51	7.32	10.32	10.64	16.68	17.00
5500MHz	Pass	6.22	7.70	7.54	10.61	10.78	16.83	17.00
5580MHz	Pass	6.22	7.40	7.41	10.40	10.78	16.62	17.00
5700MHz	Pass	6.22	7.58	7.30	10.45	10.78	16.67	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	6.22	7.43	6.99	10.22	10.78	16.44	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	6.27	3.87	3.50	6.68	29.73	12.95	36.00
5745MHz	Pass	6.27	11.94	11.40	14.69	29.73	20.96	36.00
5785MHz	Pass	6.27	11.25	10.87	14.02	29.73	20.29	36.00
5825MHz	Pass	6.27	11.10	11.10	14.07	29.73	20.34	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.55	3.07	2.63	5.87	17.00	9.42	23.00
5200MHz	Pass	3.55	3.46	3.22	6.29	17.00	9.84	23.00
5240MHz	Pass	3.55	3.34	3.13	6.22	17.00	9.77	23.00
5260MHz	Pass	3.35	7.97	7.23	10.57	11.00	13.92	17.00
5300MHz	Pass	3.35	7.80	7.46	10.59	11.00	13.94	17.00
5320MHz	Pass	3.35	7.84	7.68	10.70	11.00	14.05	17.00
5500MHz	Pass	3.22	7.92	7.95	10.88	11.00	14.10	17.00
5580MHz	Pass	3.22	7.53	7.53	10.53	11.00	13.75	17.00
5700MHz	Pass	3.22	7.91	7.54	10.67	11.00	13.89	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.22	7.90	7.42	10.61	11.00	13.83	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.27	4.71	4.24	7.47	30.00	10.74	36.00
5745MHz	Pass	3.27	11.68	11.23	14.44	30.00	17.71	36.00
5785MHz	Pass	3.27	11.00	10.79	13.83	30.00	17.10	36.00
5825MHz	Pass	3.27	10.91	11.03	13.92	30.00	17.19	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.55	1.11	0.61	3.87	17.00	7.42	23.00
5230MHz	Pass	3.55	0.97	0.61	3.64	17.00	7.19	23.00
5270MHz	Pass	3.35	2.16	1.40	4.77	11.00	8.12	17.00
5310MHz	Pass	3.35	5.63	5.37	8.28	11.00	11.63	17.00
5510MHz	Pass	3.22	5.91	5.73	8.83	11.00	12.05	17.00
5590MHz	Pass	3.22	6.38	6.28	9.29	11.00	12.51	17.00
5670MHz	Pass	3.22	6.47	6.00	9.14	11.00	12.36	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.22	6.51	6.01	9.17	11.00	12.39	17.00
5710MHz Straddle	Pass	3.27	0.27	0.02	3.13	30.00	6.40	36.00

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)
5.725-5.85GHz								
5755MHz	Pass	3.27	8.87	8.46	11.56	30.00	14.83	36.00
5795MHz	Pass	3.27	8.36	7.95	11.00	30.00	14.27	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.55	-2.30	-2.57	0.47	17.00	4.02	23.00
5290MHz	Pass	3.35	1.60	1.25	4.26	11.00	7.61	17.00
5530MHz	Pass	3.22	2.65	2.59	5.59	11.00	8.81	17.00
5610MHz	Pass	3.22	2.84	2.76	5.73	11.00	8.95	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.22	3.20	2.70	5.91	11.00	9.13	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.27	-4.19	-4.06	-1.19	30.00	2.08	36.00
5775MHz	Pass	3.27	4.53	4.28	7.22	30.00	10.49	36.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.55	-4.79	-5.00	-2.02	17.00	1.53	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.35	-4.84	-4.97	-2.03	11.00	1.32	17.00
5570MHz	Pass	3.22	-2.46	-2.45	0.48	11.00	3.70	17.00

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

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

11a :

5.15-5.25GHz:

Directional gain = $10 \log((10^{3.6/20} + 10^{3.5/20})^2 / 2) = 6.56\text{dBi}$

5.25-5.35GHz:

Directional gain = $10 \log((10^{3.4/20} + 10^{3.3/20})^2 / 2) = 6.36\text{dBi}$

5.47-5.725GHz:

Directional gain = $10 \log((10^{3.6/20} + 10^{2.8/20})^2 / 2) = 6.22\text{dBi}$

5.725-5.85GHz:

Directional gain = $10 \log((10^{3.7/20} + 10^{2.8/20})^2 / 2) = 6.27\text{dBi}$

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5.15-5.25GHz:

Directional gain = $10 \log ((10^{3.6/10} + 10^{3.5/10}) / 2) = 3.55\text{dBi}$

5.25-5.35GHz:

Directional gain = $10 \log ((10^{3.4/10} + 10^{3.3/10}) / 2) = 3.35\text{dBi}$

5.47-5.725GHz:

Directional gain = $10 \log ((10^{3.6/10} + 10^{2.8/10}) / 2) = 3.22\text{dBi}$

5.725-5.85GHz:

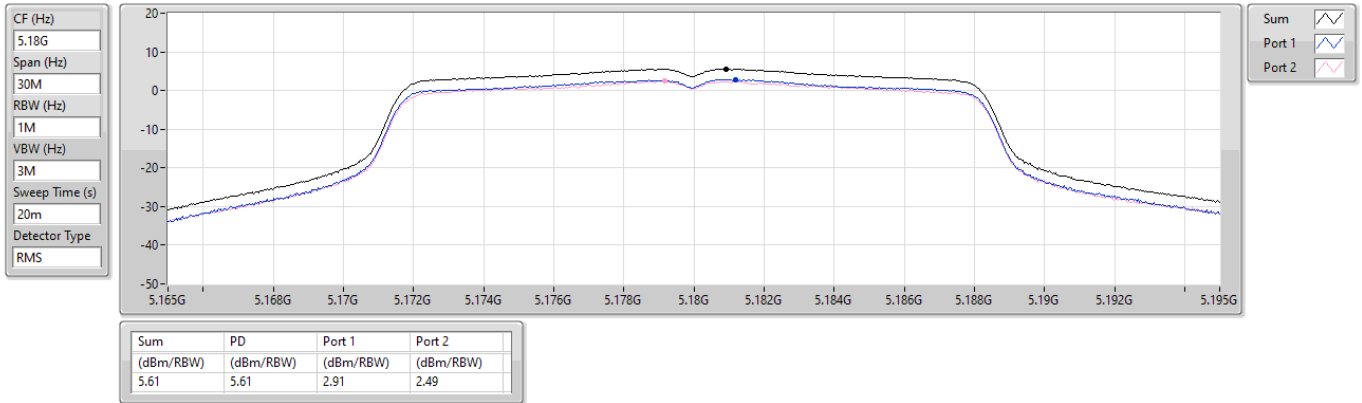
Directional gain = $10 \log ((10^{3.7/10} + 10^{2.8/10}) / 2) = 3.27\text{dBi}$



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

PSD

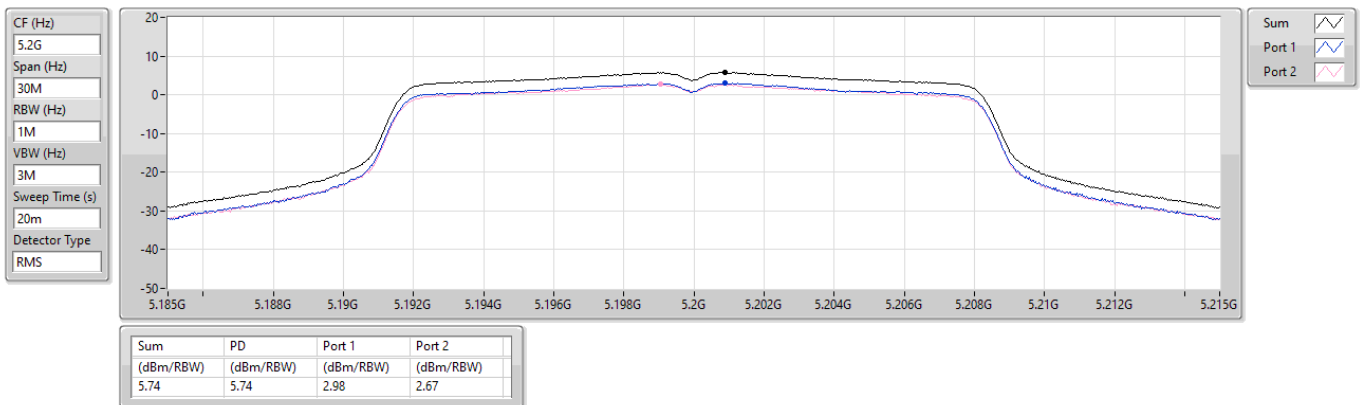
5180MHz



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

PSD

5200MHz

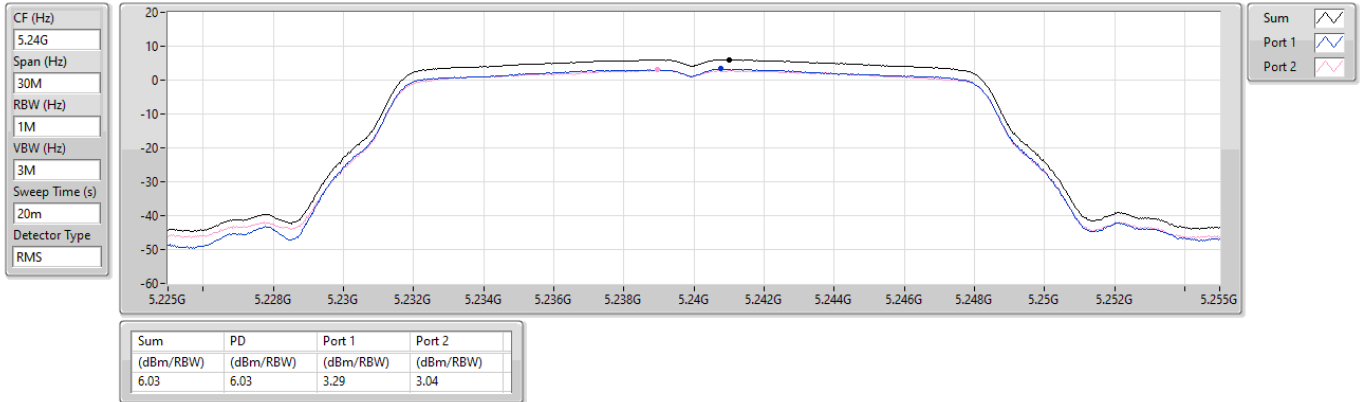




5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

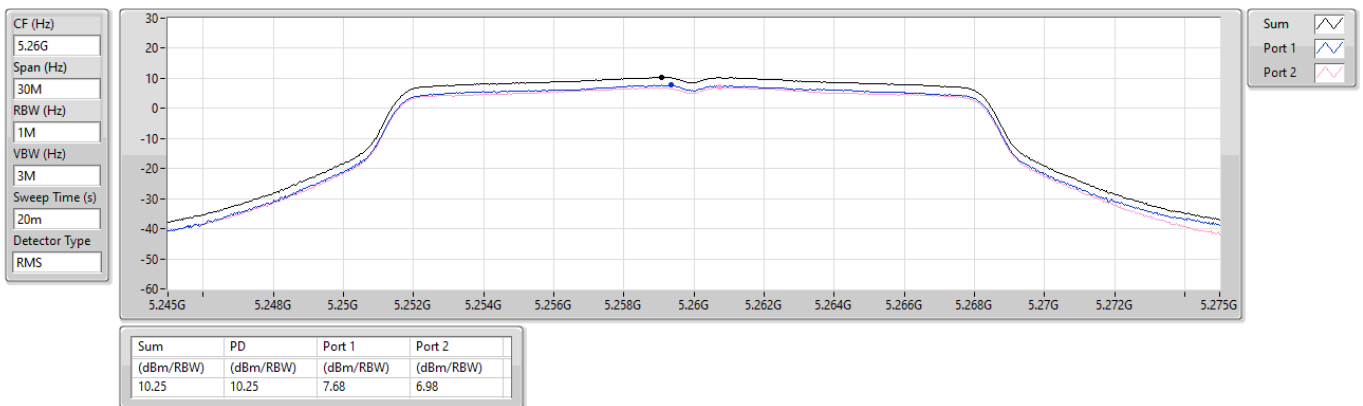
5240MHz



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

PSD

5260MHz

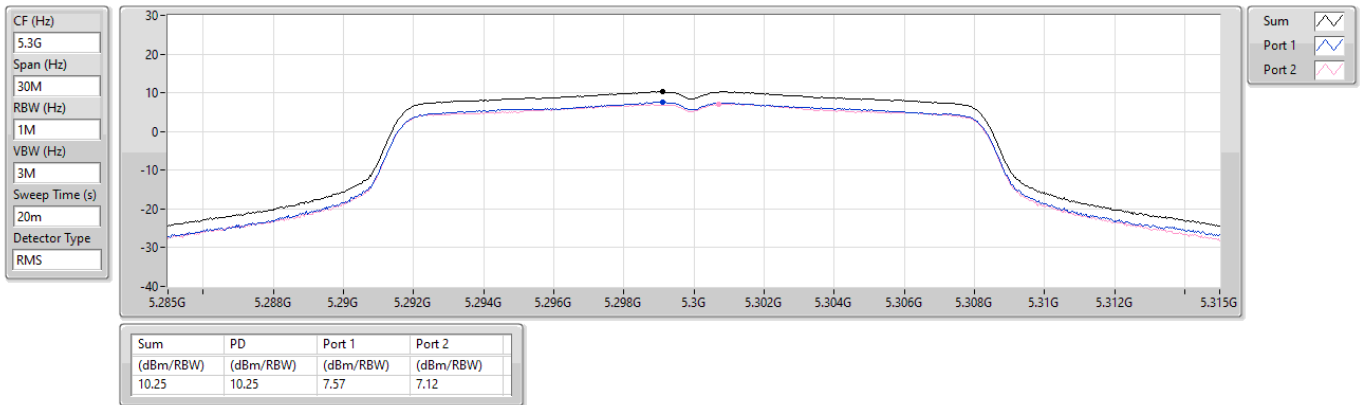




5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

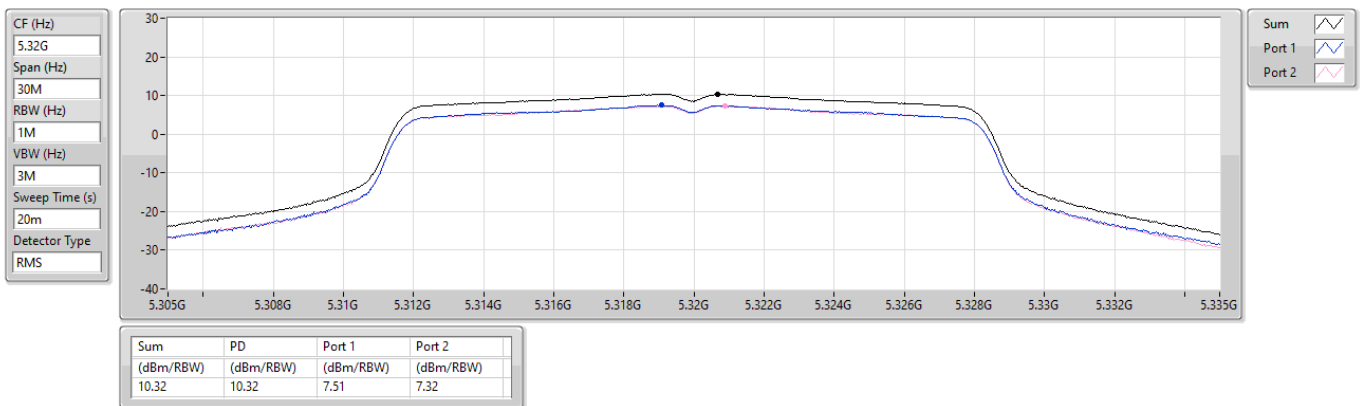
5300MHz



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

PSD

5320MHz

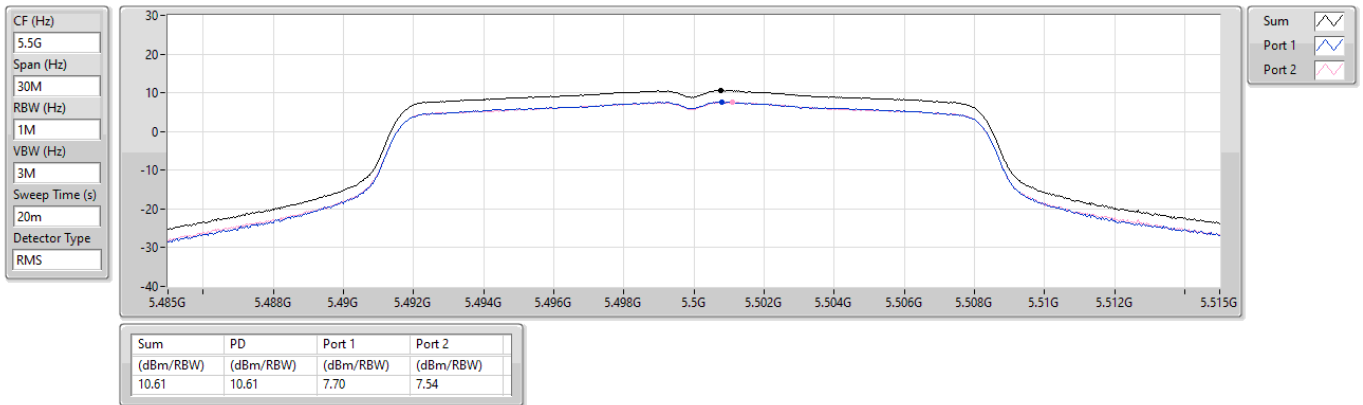




5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

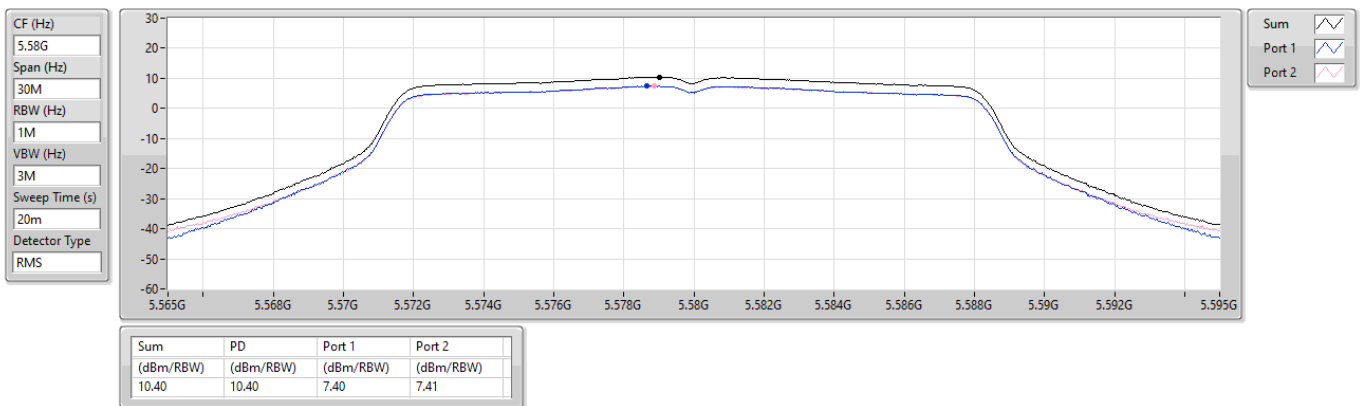
5500MHz



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

PSD

5580MHz

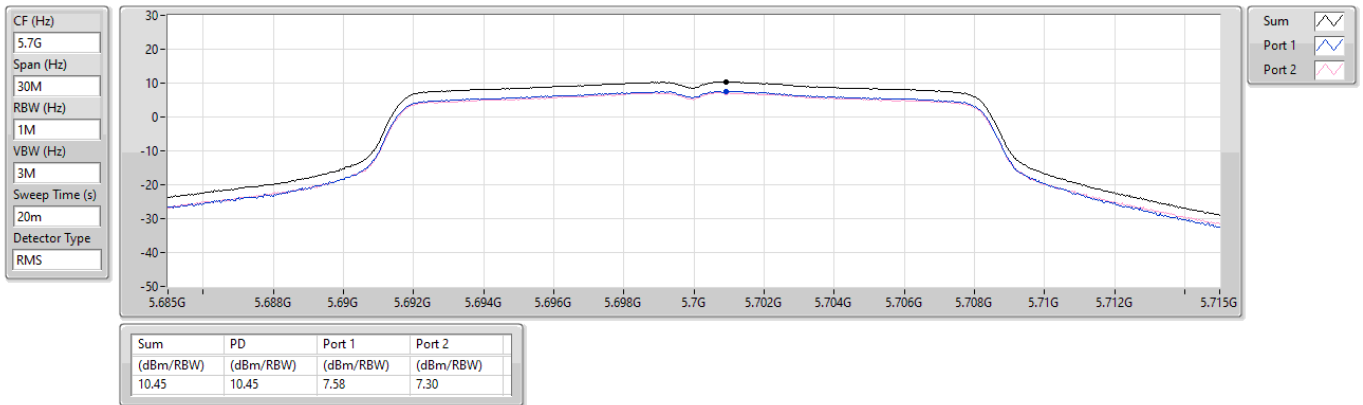




5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

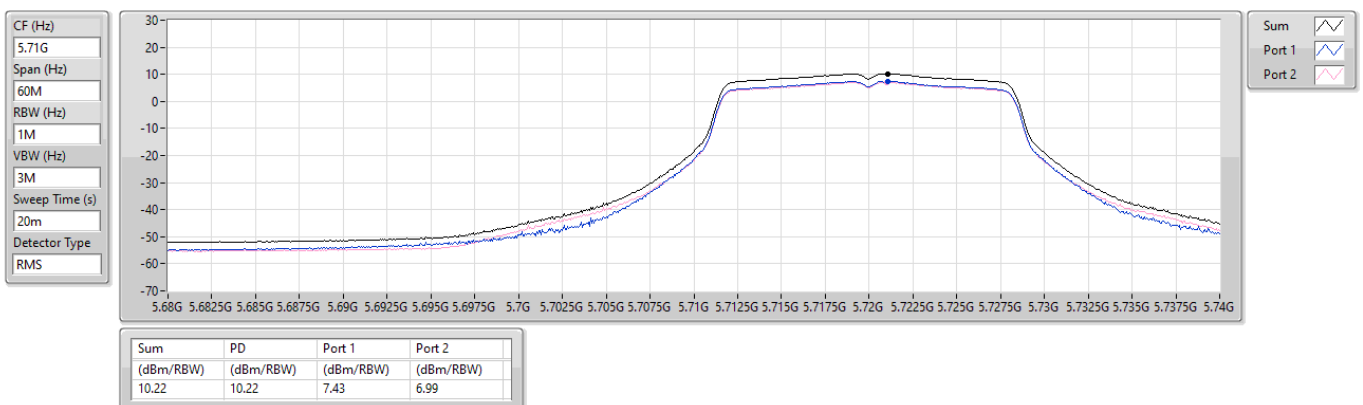
5700MHz



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

PSD

5720MHz Straddle 5.47-5.725GHz

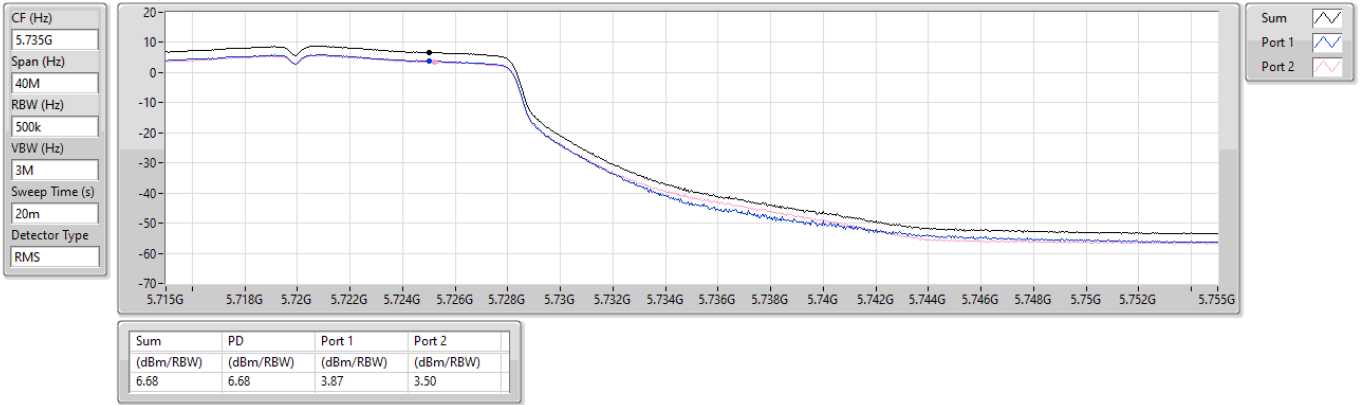




5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

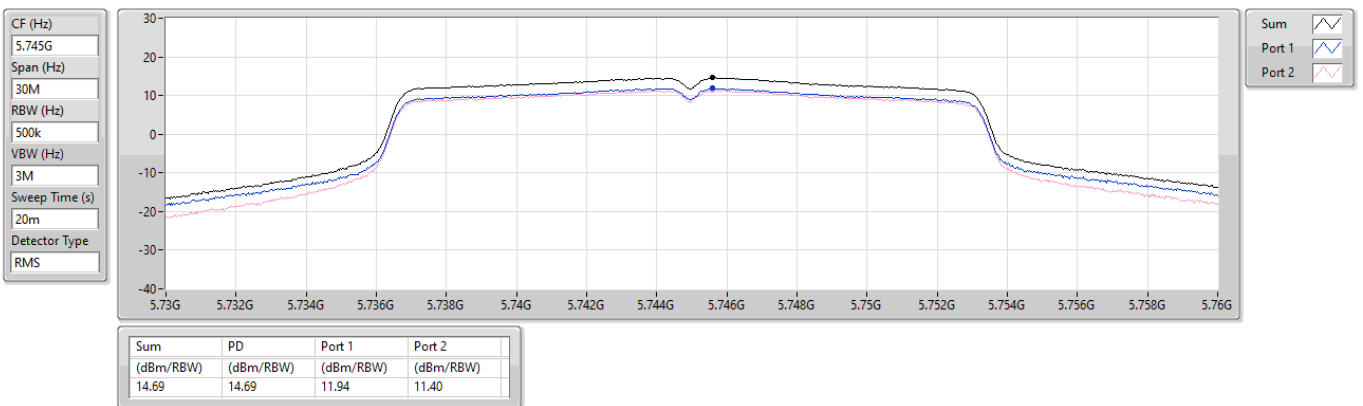
5720MHz Straddle 5.725-5.85GHz



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

PSD

5745MHz

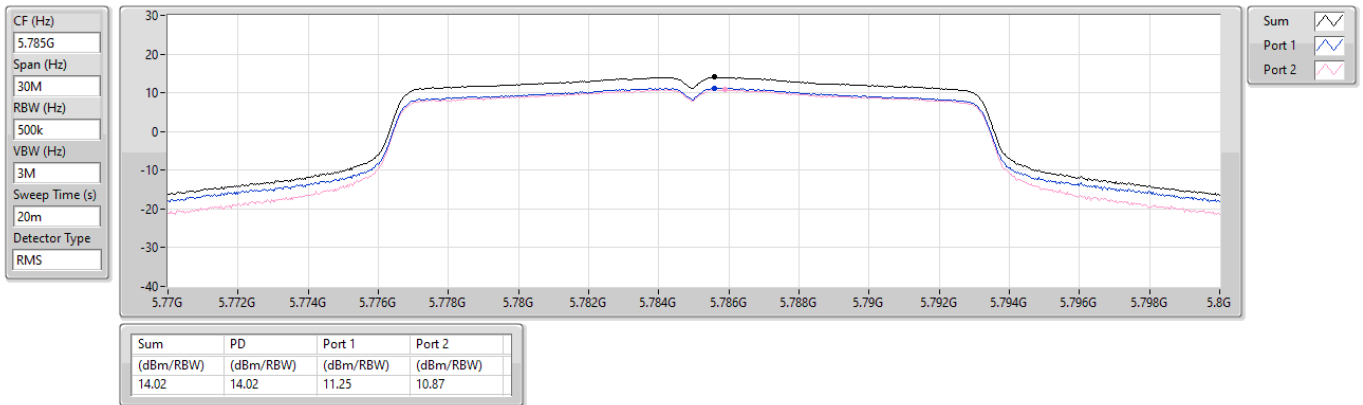




5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

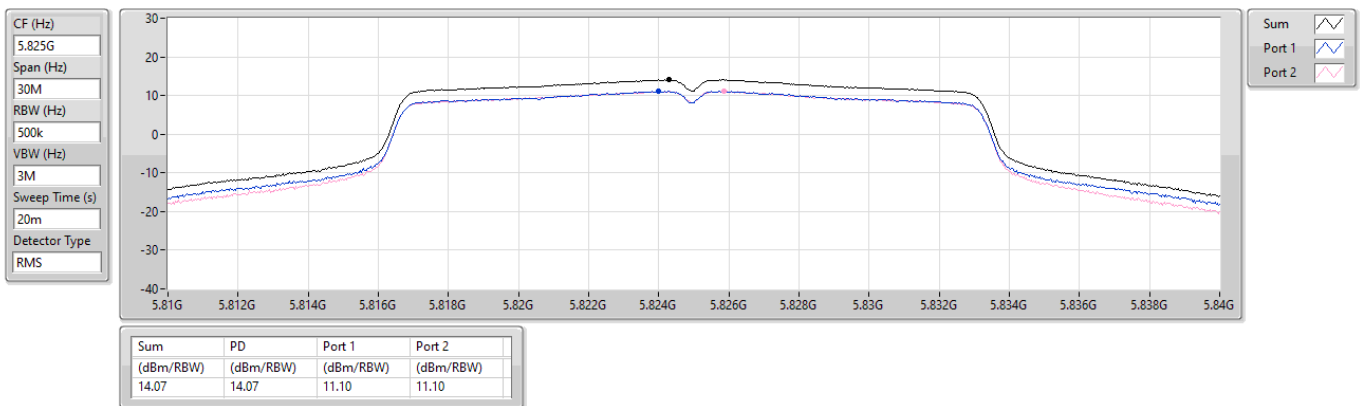
5785MHz



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

PSD

5825MHz

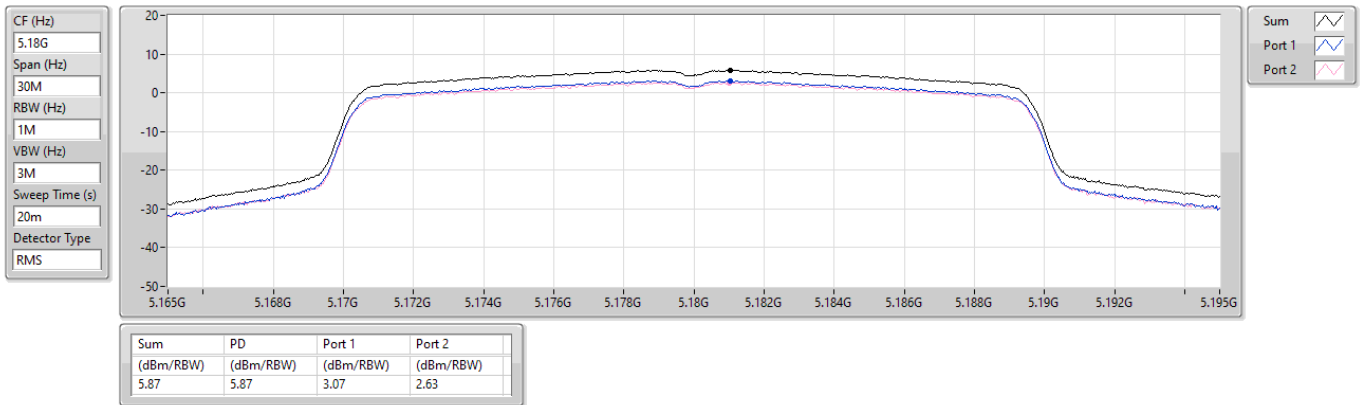




5.15-5.25GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

PSD

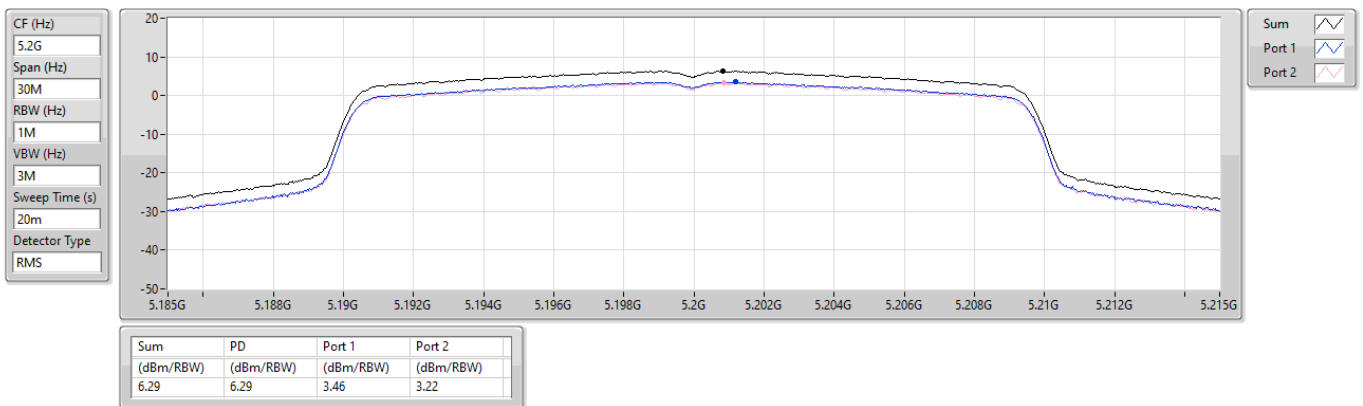
5180MHz



5.15-5.25GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

PSD

5200MHz

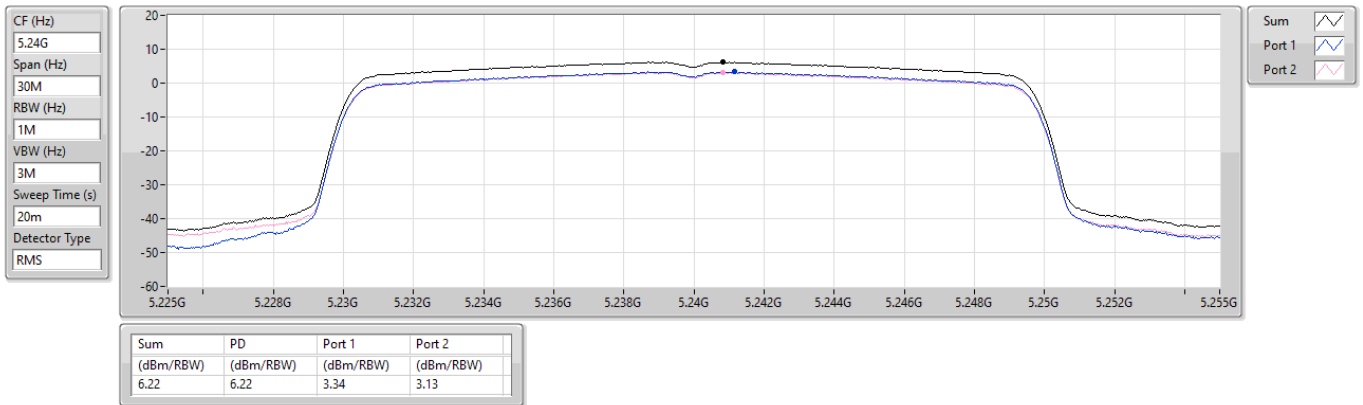




5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

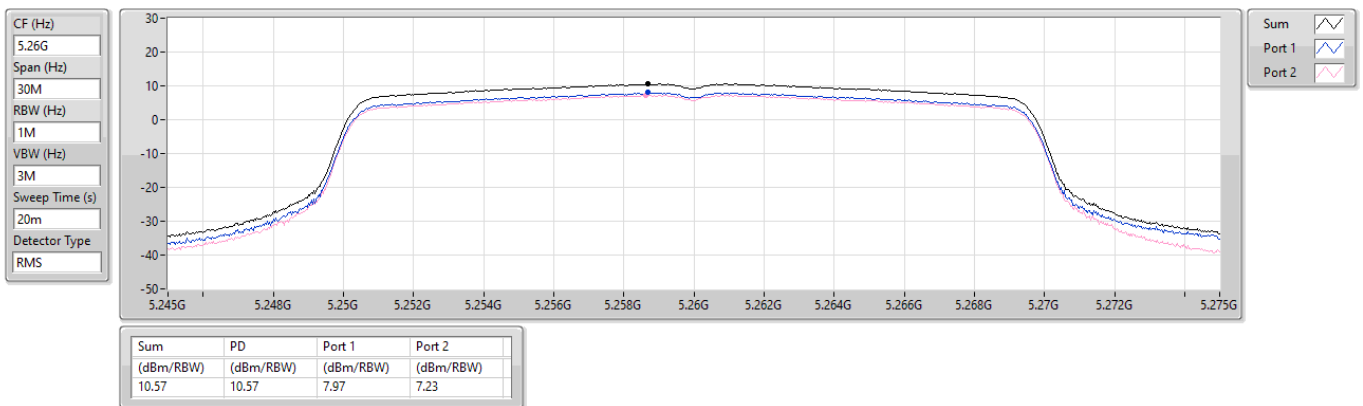
5240MHz



5.25-5.35GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5260MHz

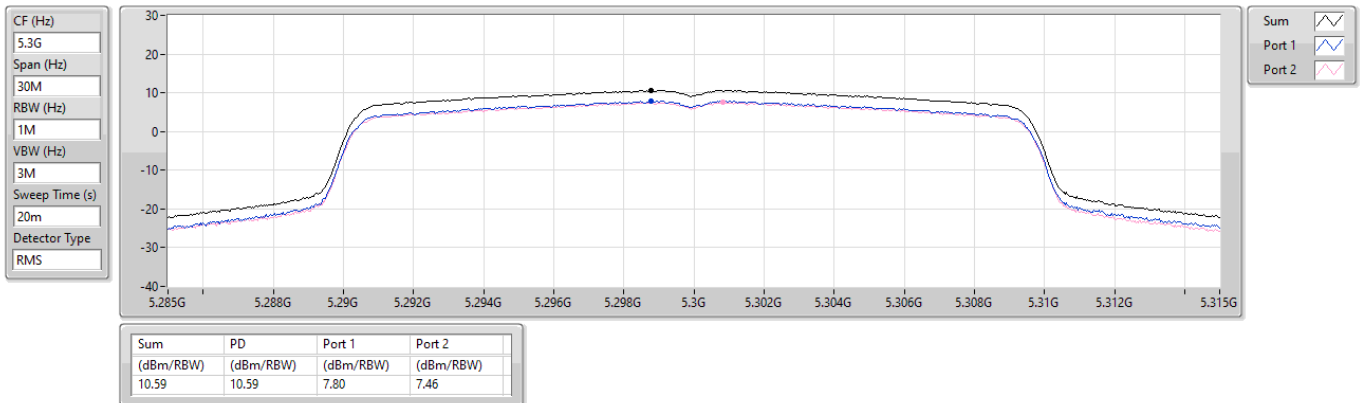




5.25-5.35GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

PSD

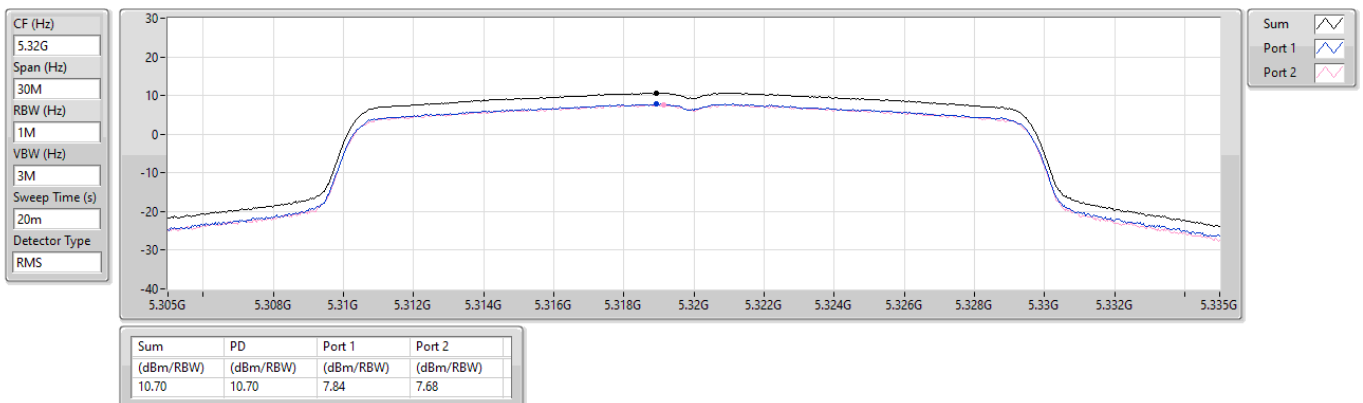
5300MHz



5.25-5.35GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

PSD

5320MHz



5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5500MHz

CF (Hz)
5.5G

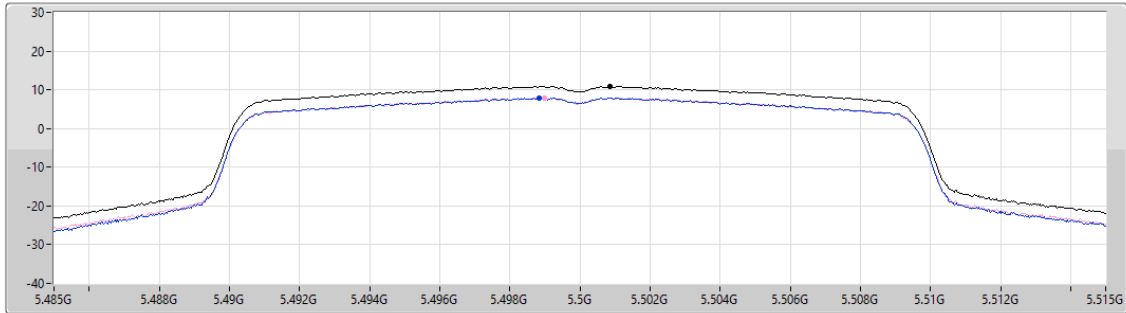
Span (Hz)
30M

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)
10.88	10.88	7.92	7.95

5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5580MHz

CF (Hz)
5.58G

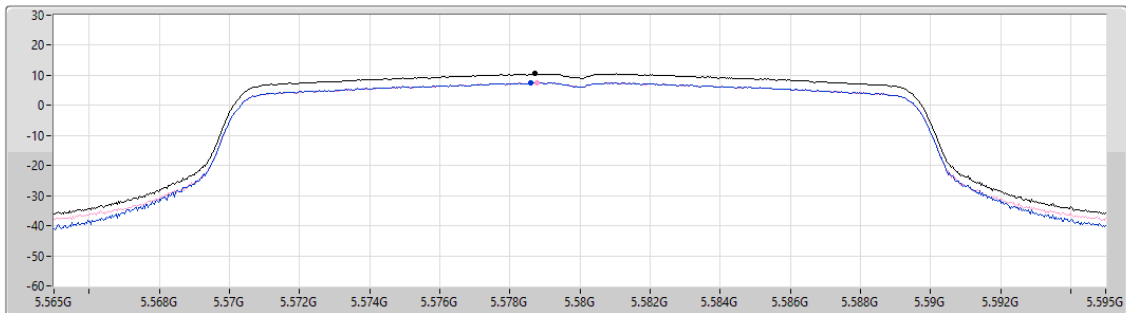
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

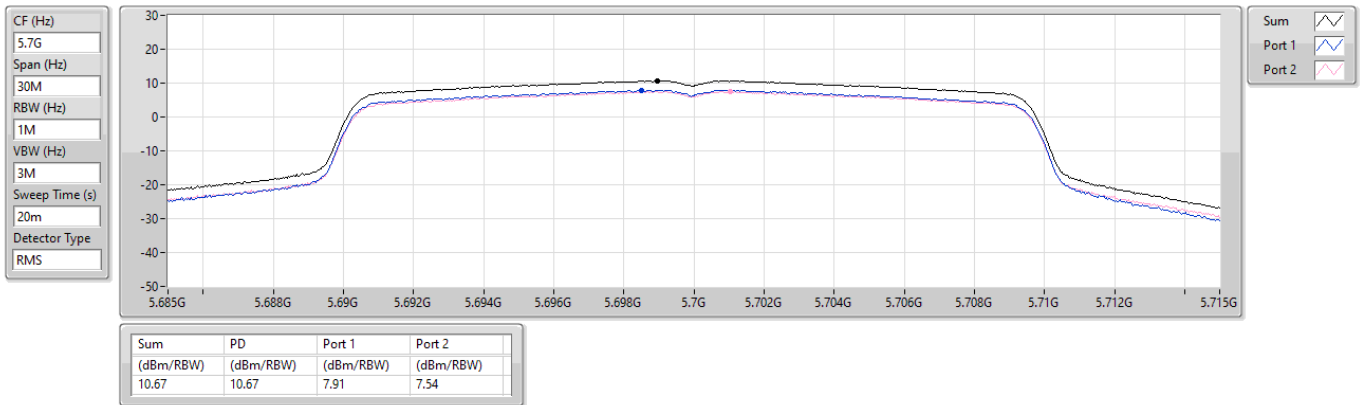
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.53	10.53	7.53	7.53



5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

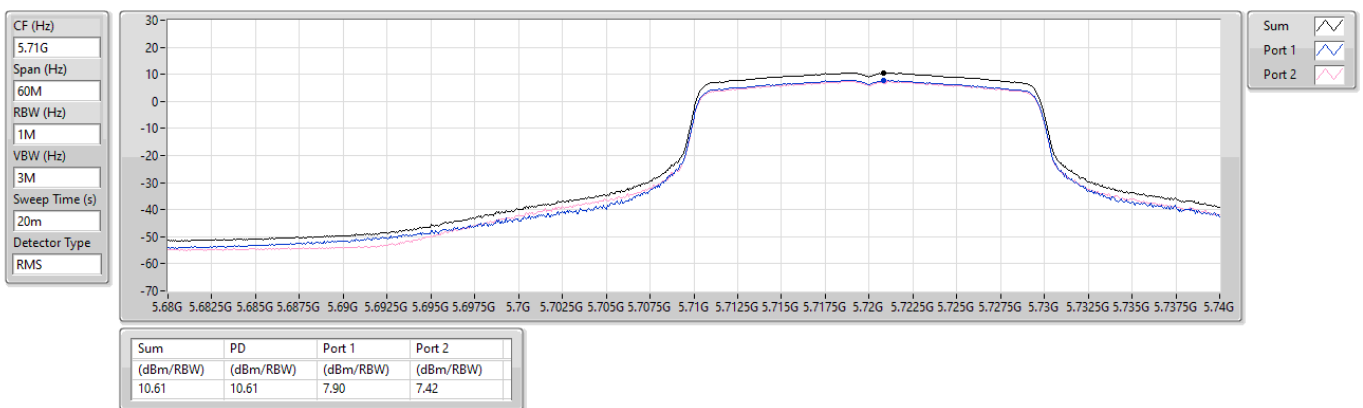
5700MHz



5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

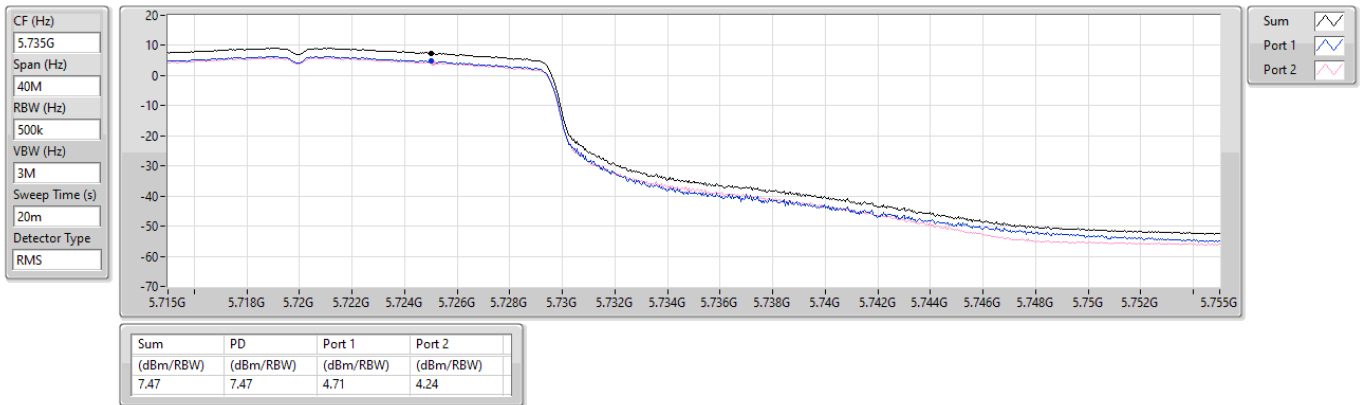




5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

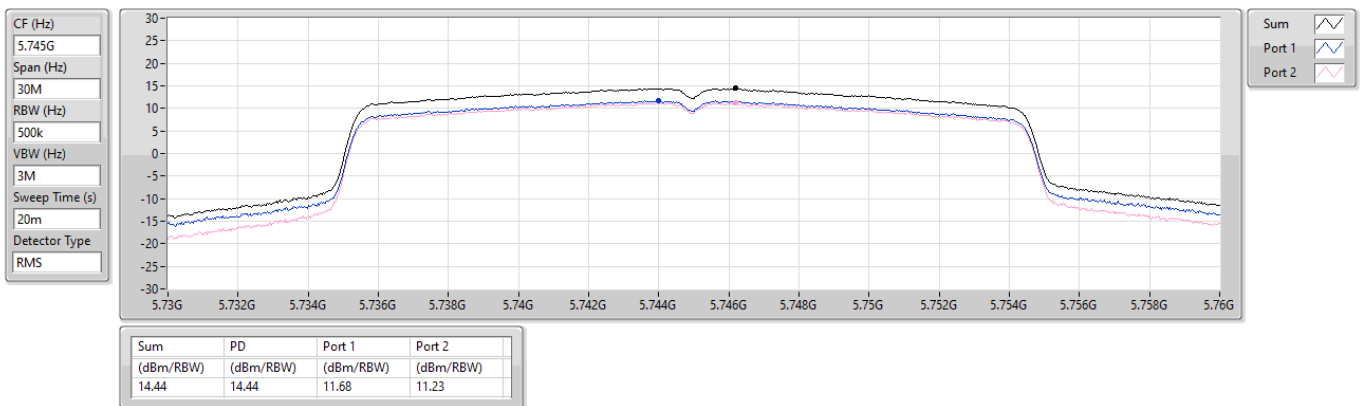
5720MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5745MHz

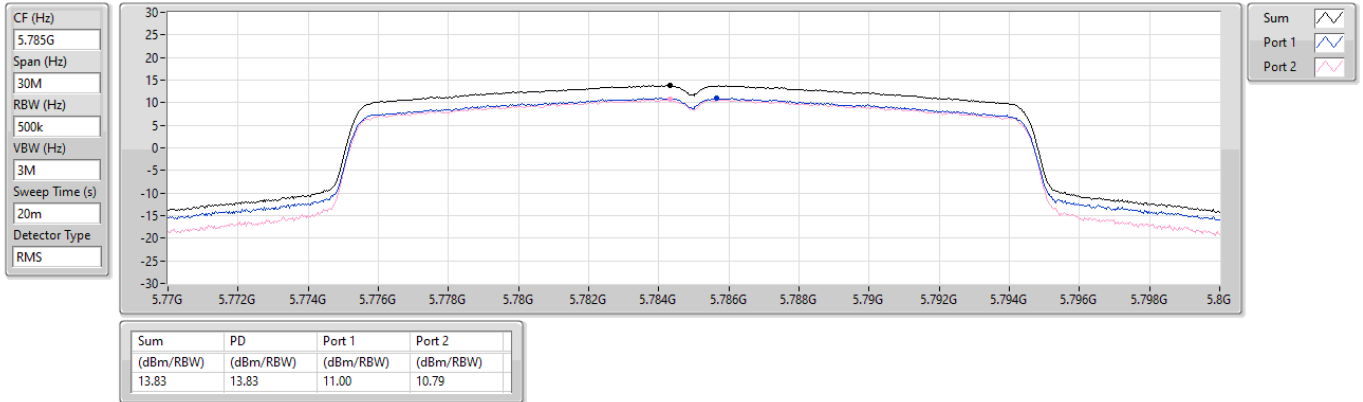




5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

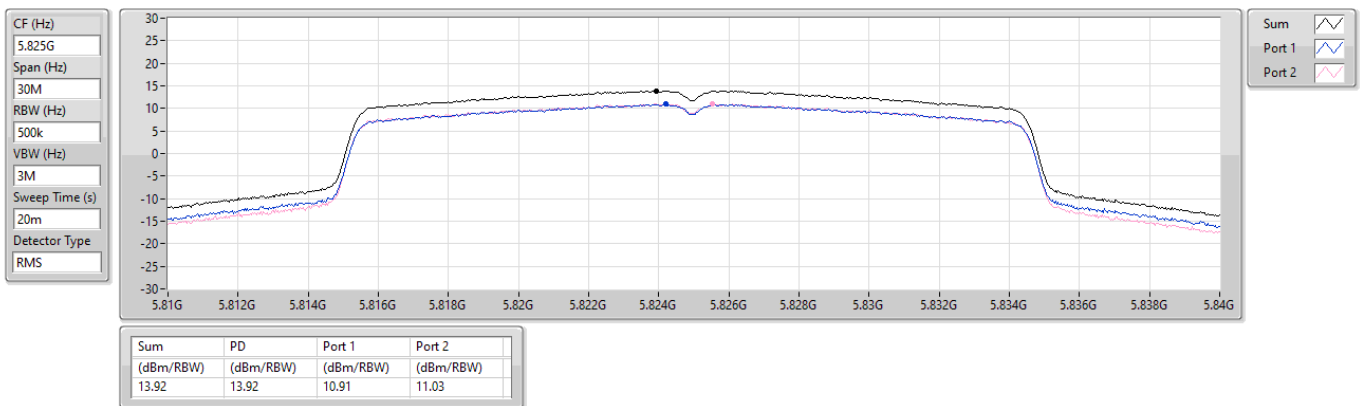
5785MHz



5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

PSD

5825MHz

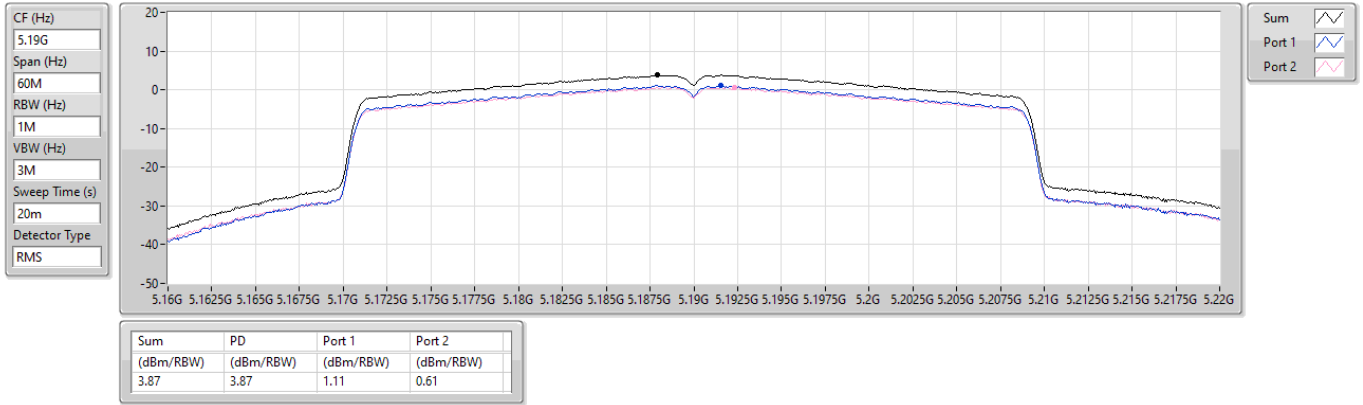




5.15-5.25GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

PSD

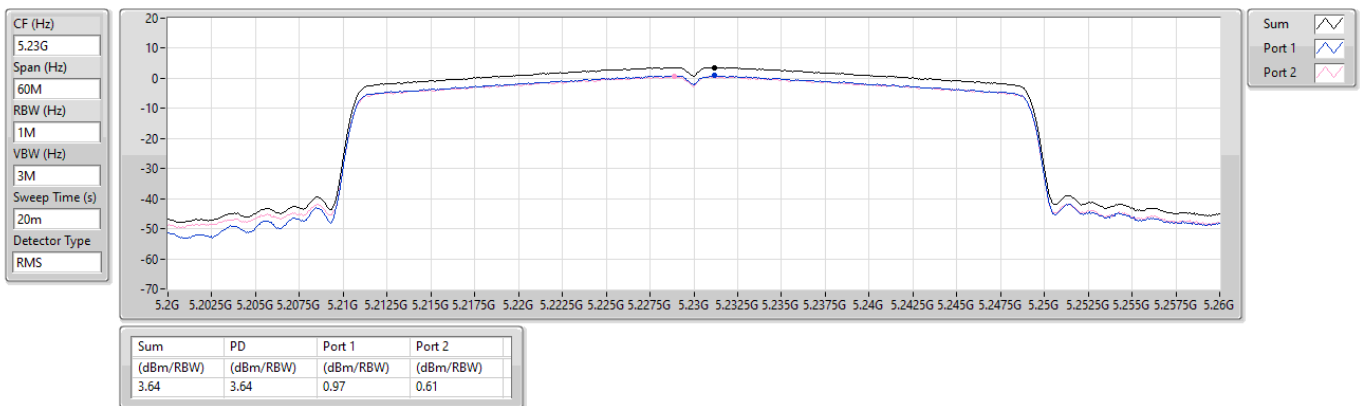
5190MHz



5.15-5.25GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

PSD

5230MHz

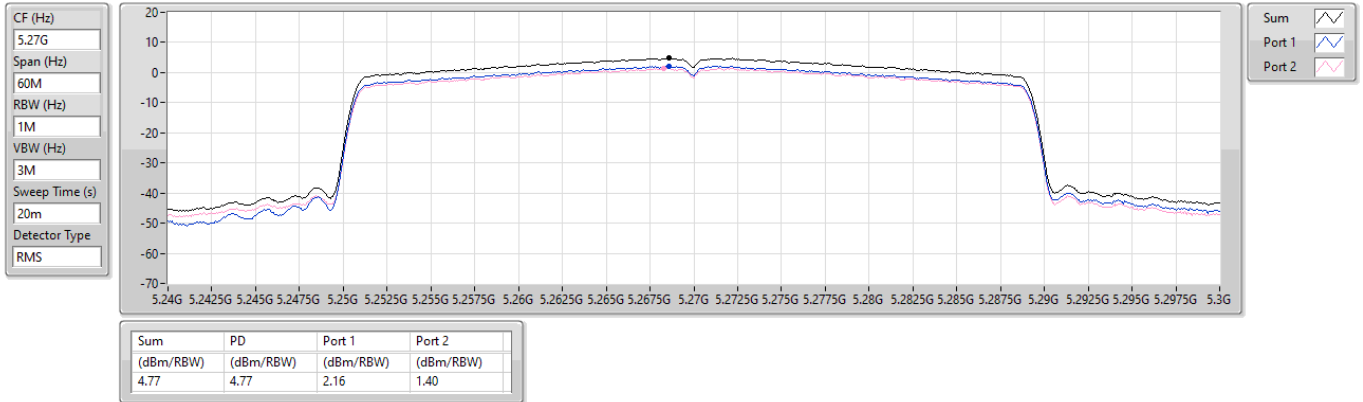




5.25-5.35GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

PSD

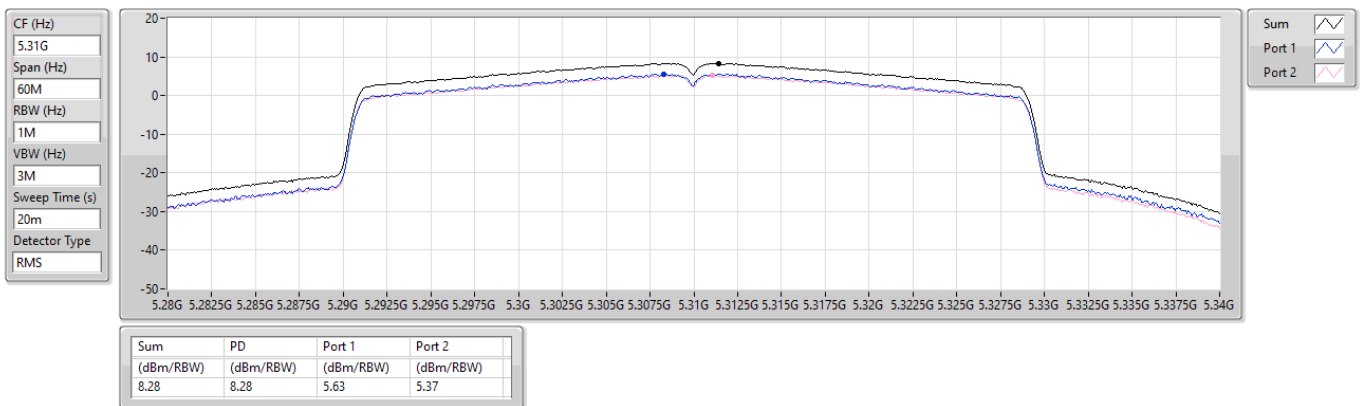
5270MHz



5.25-5.35GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

PSD

5310MHz



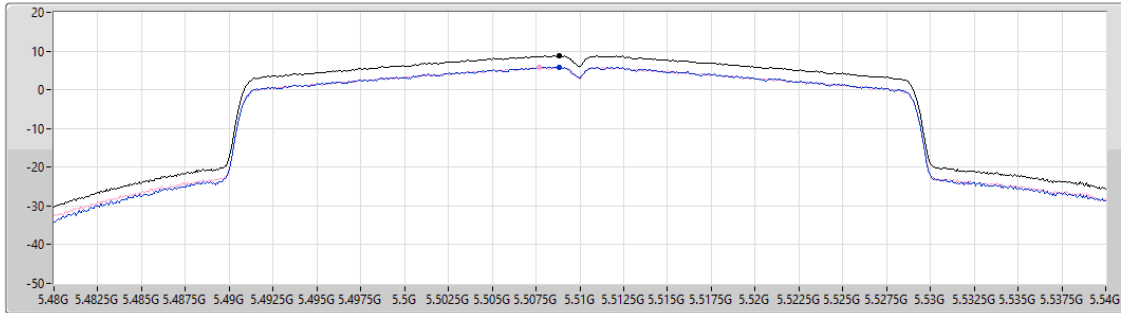


5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5510MHz

CF (Hz)
5.51G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

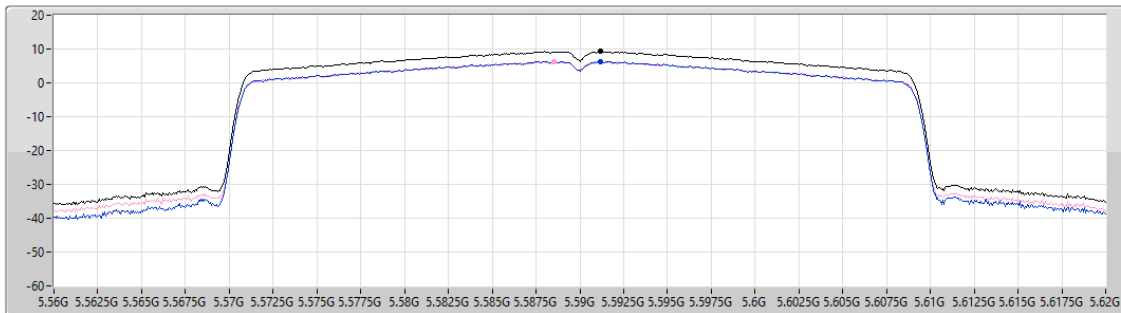
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.83	8.83	5.91	5.73

5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5590MHz

CF (Hz)
5.59G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2

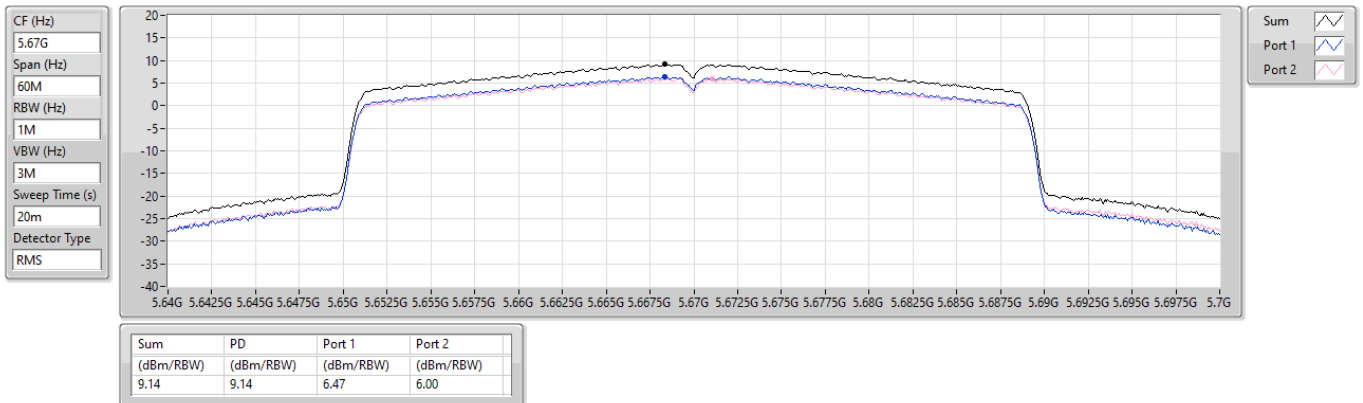
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.29	9.29	6.38	6.28



5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

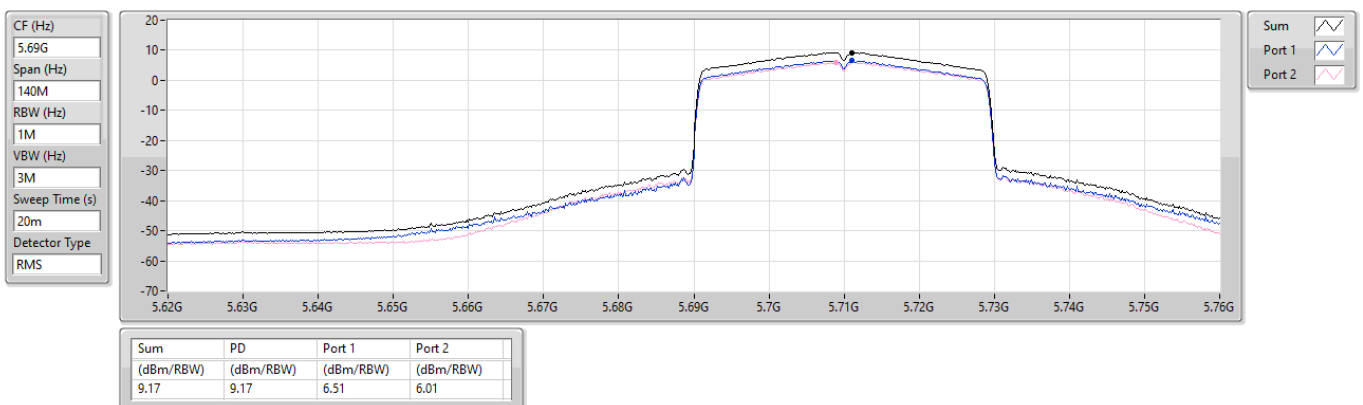
5670MHz



5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

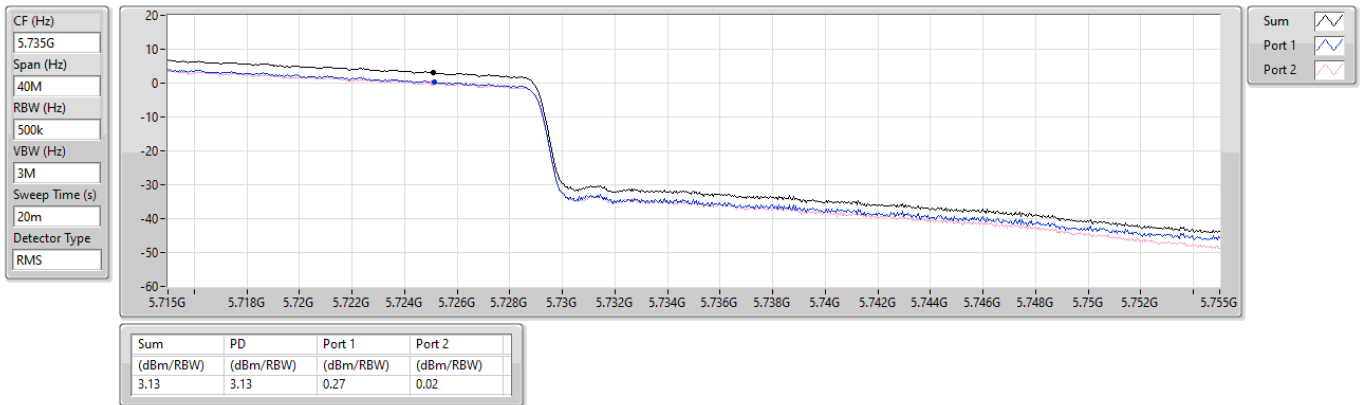




5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

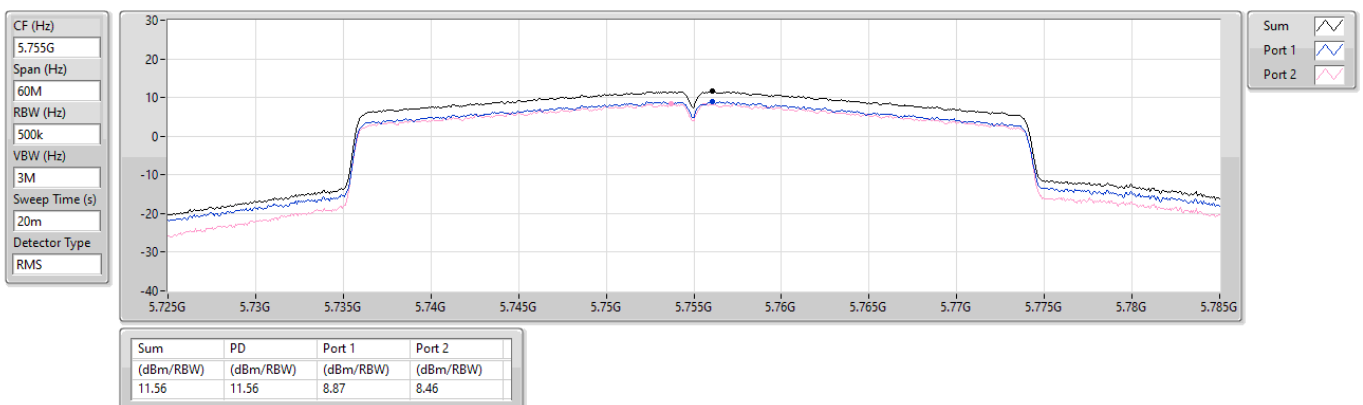
5710MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

5755MHz

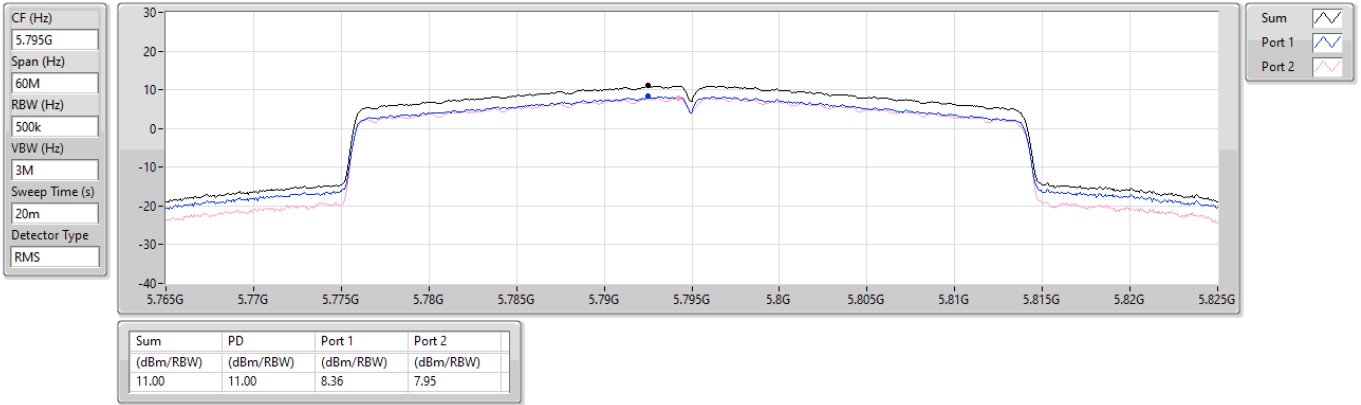




5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

PSD

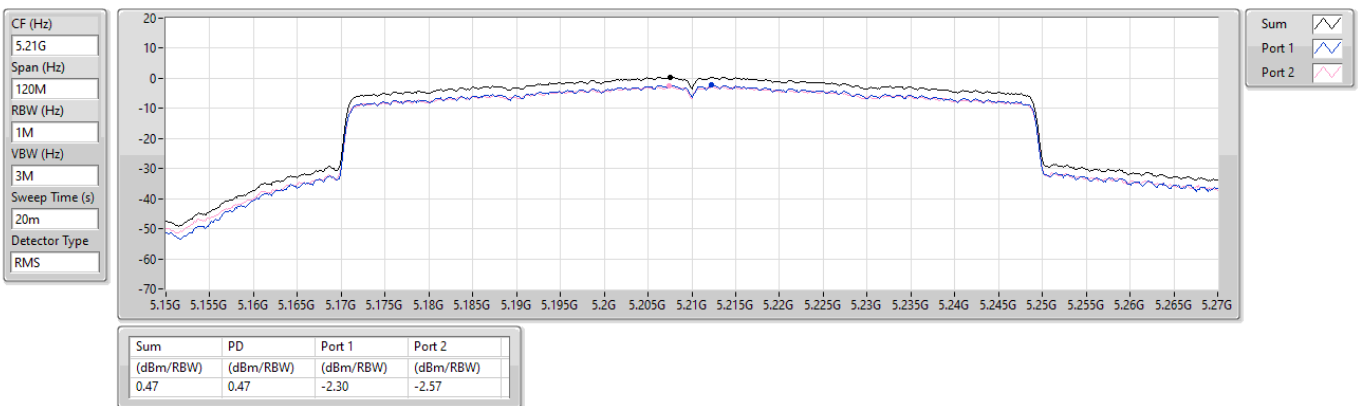
5795MHz



5.15-5.25GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5210MHz

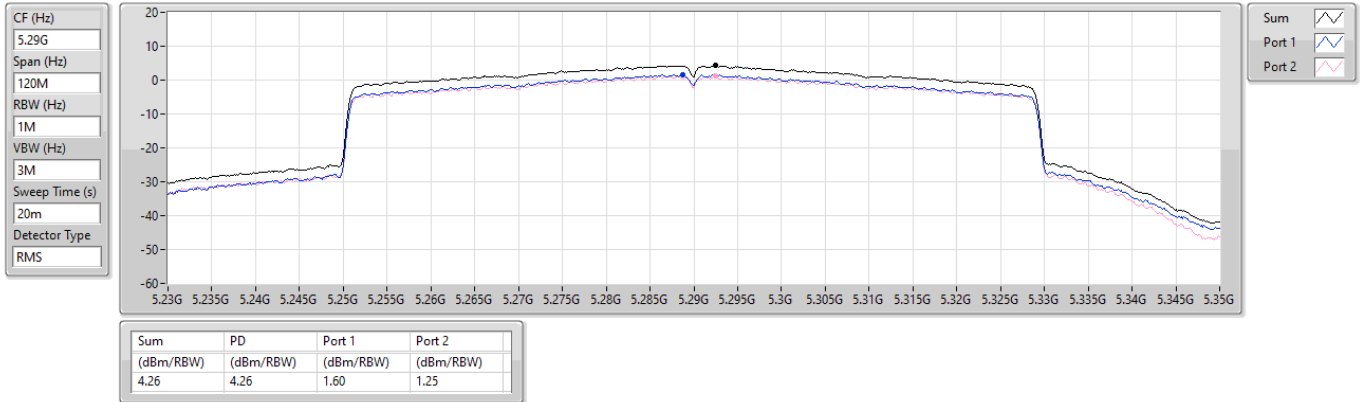




5.25-5.35GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

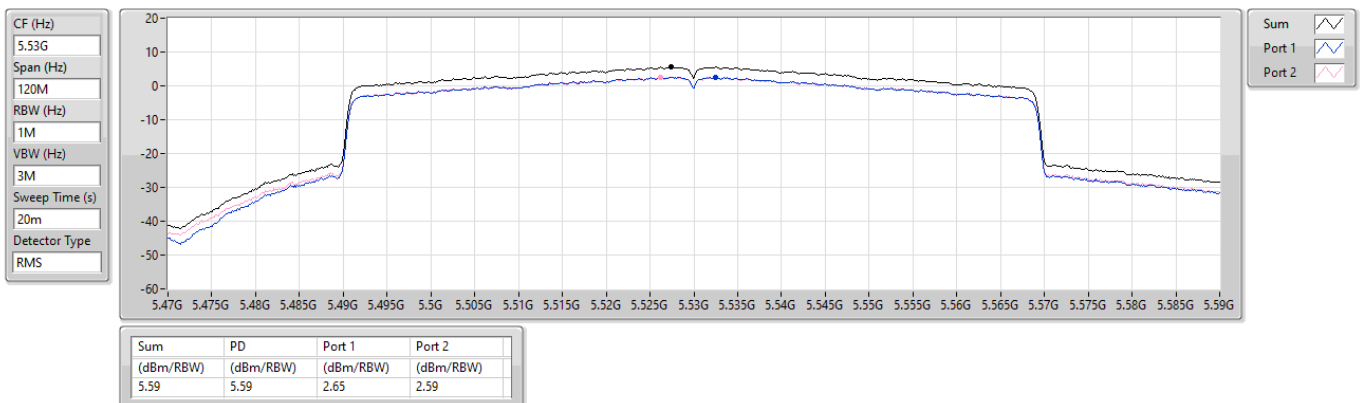
5290MHz



5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5530MHz

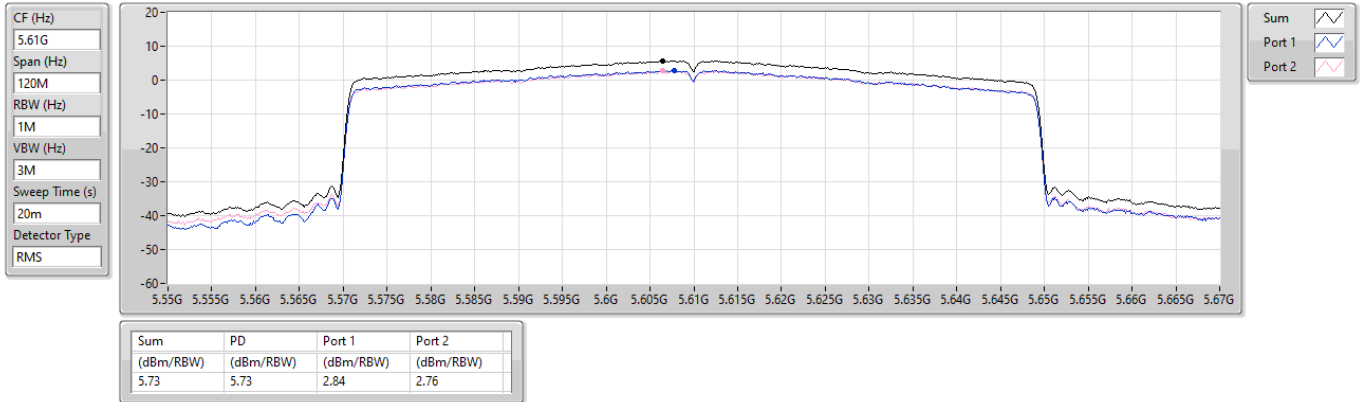




5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

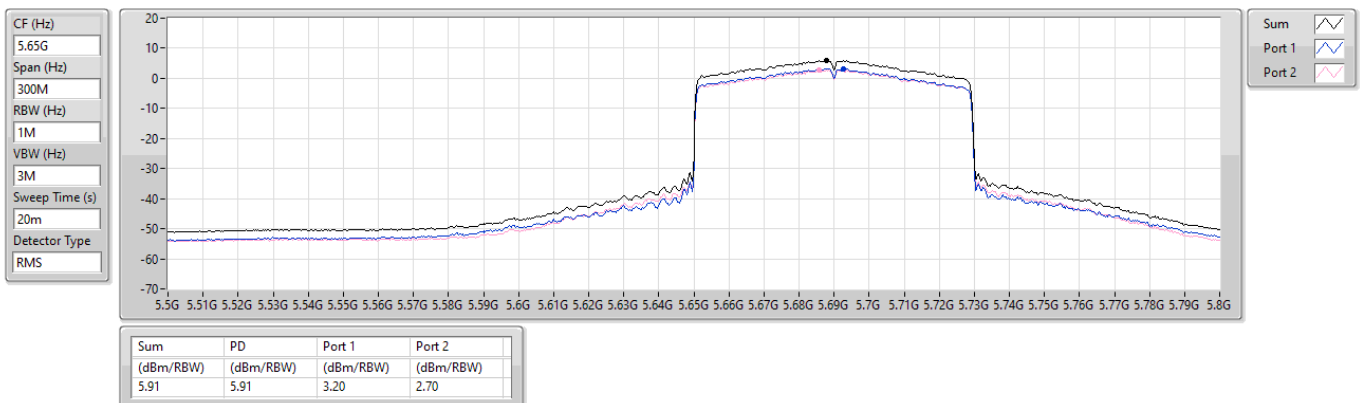
5610MHz



5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

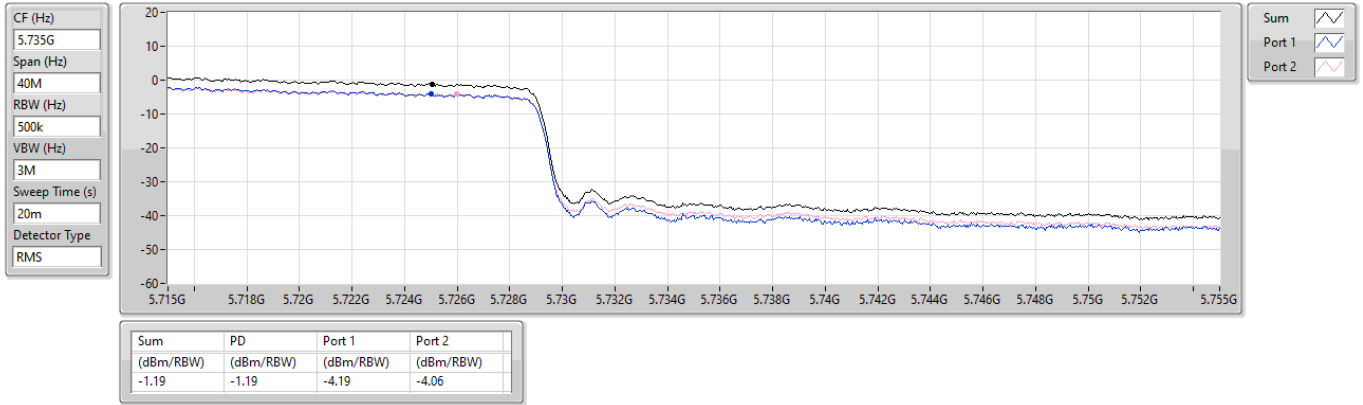




5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

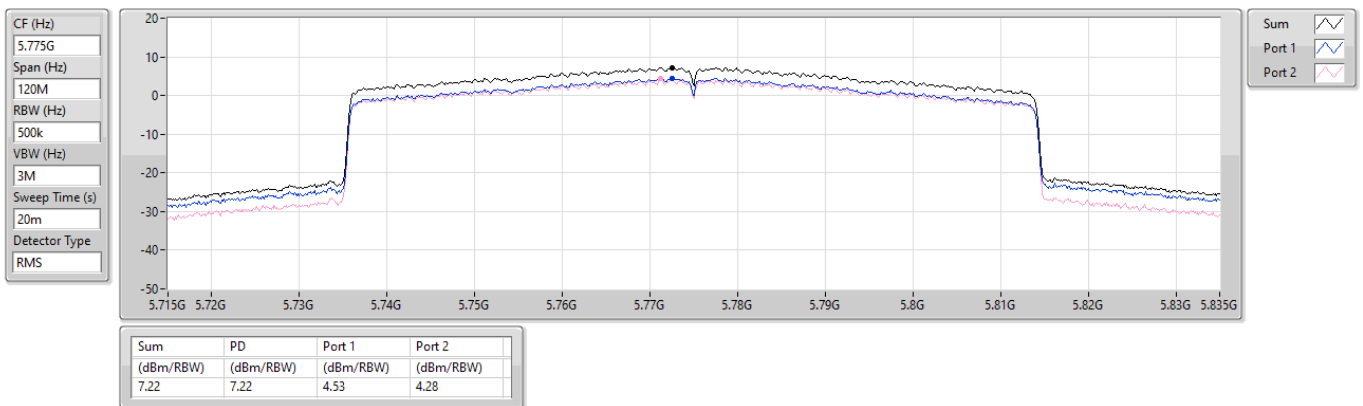
5690MHz Straddle 5.725-5.85GHz



5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

PSD

5775MHz

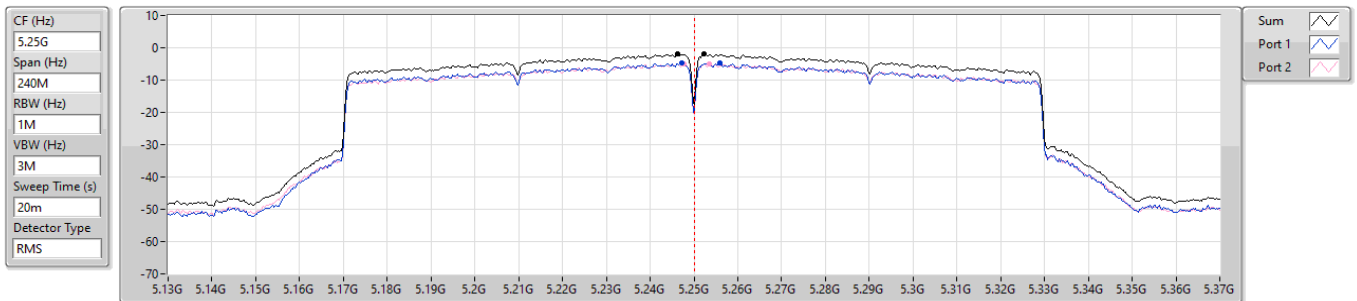




5.15-5.25GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

PSD

5250MHz Straddle 5.15-5.25GHz



5150~5250MHz

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.02	-2.02	-4.79	-5.00

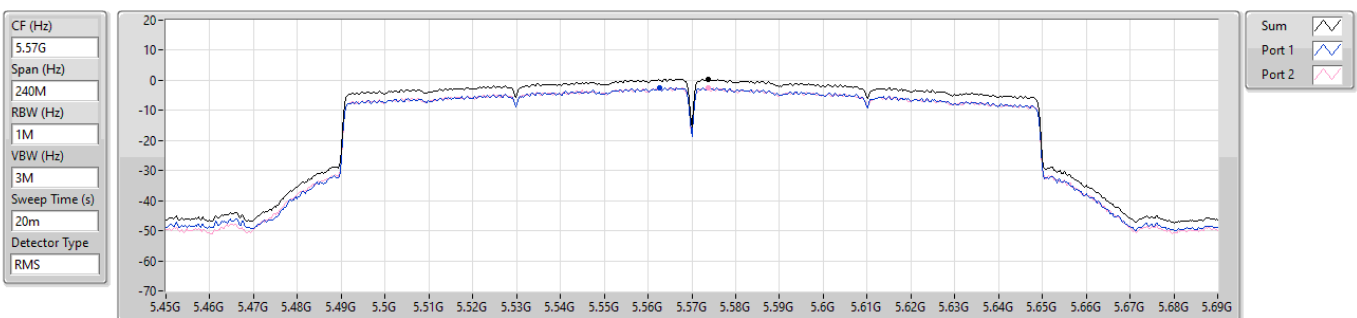
5250~5350MHz

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.03	-2.03	-4.84	-4.97

5.47-5.725GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

PSD

5570MHz



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.48	0.48	-2.46	-2.45



Unwanted Emissions (Below 1GHz)

Modulation	ax HE40		Test Freq. (MHz)		5755																																																																								
Polarization	Horizontal																																																																												
Test By		:Brad Wu-		Temperature(°C):21		Humidity(%):67																																																																							
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>101.78</td><td>33.88</td><td>43.50</td><td>-9.62</td><td>46.85</td><td>-12.97</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>131.85</td><td>31.36</td><td>43.50</td><td>-12.14</td><td>41.31</td><td>-9.95</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>179.38</td><td>33.56</td><td>43.50</td><td>-9.94</td><td>43.45</td><td>-9.89</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>204.60</td><td>30.90</td><td>43.50</td><td>-12.60</td><td>42.49</td><td>-11.59</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>340.40</td><td>35.38</td><td>46.00</td><td>-10.62</td><td>41.80</td><td>-6.42</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>422.85</td><td>35.88</td><td>46.00</td><td>-10.12</td><td>39.89</td><td>-4.01</td><td>Peak</td><td>---</td><td>---</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	101.78	33.88	43.50	-9.62	46.85	-12.97	Peak	---	---	2	131.85	31.36	43.50	-12.14	41.31	-9.95	Peak	---	---	3	179.38	33.56	43.50	-9.94	43.45	-9.89	Peak	---	---	4	204.60	30.90	43.50	-12.60	42.49	-11.59	Peak	---	---	5	340.40	35.38	46.00	-10.62	41.80	-6.42	Peak	---	---	6	422.85	35.88	46.00	-10.12	39.89	-4.01	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	101.78	33.88	43.50	-9.62	46.85	-12.97	Peak	---	---																																																																				
2	131.85	31.36	43.50	-12.14	41.31	-9.95	Peak	---	---																																																																				
3	179.38	33.56	43.50	-9.94	43.45	-9.89	Peak	---	---																																																																				
4	204.60	30.90	43.50	-12.60	42.49	-11.59	Peak	---	---																																																																				
5	340.40	35.38	46.00	-10.62	41.80	-6.42	Peak	---	---																																																																				
6	422.85	35.88	46.00	-10.12	39.89	-4.01	Peak	---	---																																																																				
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.																																																																													



Modulation	ax HE40	Test Freq. (MHz)	5755																																																																						
Polarization	Vertical																																																																								
Test By :Brad Wu- Temperature(°C):21 Humidity(%):67																																																																									
<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>38.73</td><td>36.26</td><td>40.00</td><td>-3.74</td><td>45.60</td><td>-9.34</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>94.02</td><td>35.03</td><td>43.50</td><td>-8.47</td><td>49.21</td><td>-14.18</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>153.19</td><td>33.77</td><td>43.50</td><td>-9.73</td><td>42.30</td><td>-8.53</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>161.92</td><td>32.71</td><td>43.50</td><td>-10.79</td><td>41.34</td><td>-8.63</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>239.52</td><td>30.37</td><td>46.00</td><td>-15.63</td><td>40.23</td><td>-9.86</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>283.17</td><td>28.59</td><td>46.00</td><td>-17.41</td><td>36.73</td><td>-8.14</td><td>Peak</td><td>---</td><td>---</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	38.73	36.26	40.00	-3.74	45.60	-9.34	Peak	---	---	2	94.02	35.03	43.50	-8.47	49.21	-14.18	Peak	---	---	3	153.19	33.77	43.50	-9.73	42.30	-8.53	Peak	---	---	4	161.92	32.71	43.50	-10.79	41.34	-8.63	Peak	---	---	5	239.52	30.37	46.00	-15.63	40.23	-9.86	Peak	---	---	6	283.17	28.59	46.00	-17.41	36.73	-8.14	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	38.73	36.26	40.00	-3.74	45.60	-9.34	Peak	---	---																																																																
2	94.02	35.03	43.50	-8.47	49.21	-14.18	Peak	---	---																																																																
3	153.19	33.77	43.50	-9.73	42.30	-8.53	Peak	---	---																																																																
4	161.92	32.71	43.50	-10.79	41.34	-8.63	Peak	---	---																																																																
5	239.52	30.37	46.00	-15.63	40.23	-9.86	Peak	---	---																																																																
6	283.17	28.59	46.00	-17.41	36.73	-8.14	Peak	---	---																																																																
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.																																																																									



Unwanted Emissions (Above 1GHz)

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) </			



Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5180																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>10360.00</td><td>53.41</td><td>68.20</td><td>-14.79</td><td>44.57</td><td>8.84</td><td>Peak</td><td>122</td><td>168</td></tr><tr><td>2</td><td>15540.00</td><td>35.34</td><td>54.00</td><td>-18.66</td><td>29.02</td><td>6.32</td><td>Average</td><td>311</td><td>122</td></tr><tr><td>3</td><td>15540.00</td><td>48.56</td><td>74.00</td><td>-25.44</td><td>42.24</td><td>6.32</td><td>Peak</td><td>311</td><td>122</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	10360.00	53.41	68.20	-14.79	44.57	8.84	Peak	122	168	2	15540.00	35.34	54.00	-18.66	29.02	6.32	Average	311	122	3	15540.00	48.56	74.00	-25.44	42.24	6.32	Peak	311	122
	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	10360.00	53.41	68.20	-14.79	44.57	8.84	Peak	122	168																																		
2	15540.00	35.34	54.00	-18.66	29.02	6.32	Average	311	122																																		
3	15540.00	48.56	74.00	-25.44	42.24	6.32	Peak	311	122																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5200																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):25 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>10400.00</td><td>56.83</td><td>68.20</td><td>-11.37</td><td>47.91</td><td>8.92</td><td>Peak</td><td>151</td><td>351</td></tr><tr><td>2</td><td>15600.00</td><td>36.73</td><td>54.00</td><td>-17.27</td><td>30.40</td><td>6.33</td><td>Average</td><td>292</td><td>65</td></tr><tr><td>3</td><td>15600.00</td><td>48.68</td><td>74.00</td><td>-25.32</td><td>42.35</td><td>6.33</td><td>Peak</td><td>292</td><td>65</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	10400.00	56.83	68.20	-11.37	47.91	8.92	Peak	151	351	2	15600.00	36.73	54.00	-17.27	30.40	6.33	Average	292	65	3	15600.00	48.68	74.00	-25.32	42.35	6.33	Peak	292	65
	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	10400.00	56.83	68.20	-11.37	47.91	8.92	Peak	151	351																																		
2	15600.00	36.73	54.00	-17.27	30.40	6.33	Average	292	65																																		
3	15600.00	48.68	74.00	-25.32	42.35	6.33	Peak	292	65																																		
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).																																											

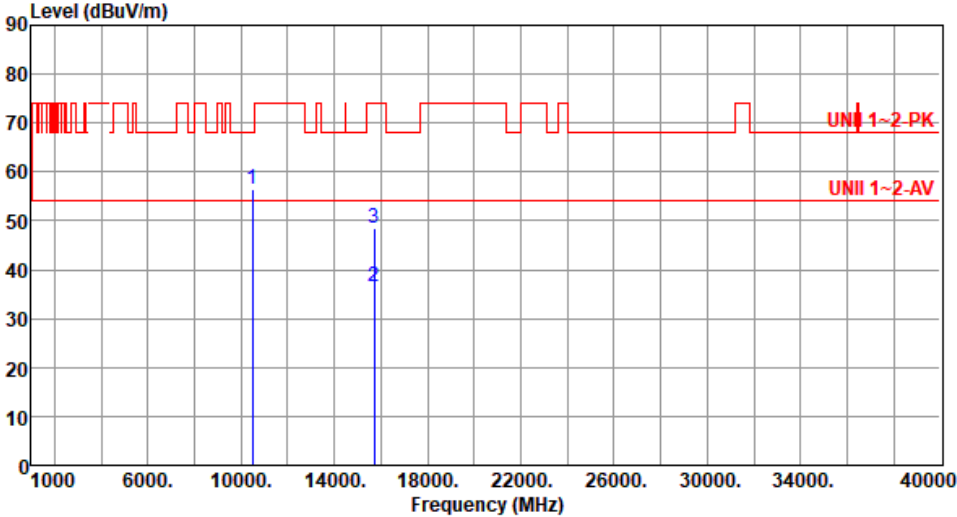


Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5200																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):25 Humidity(%):63																																											
<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>10400.00</td><td>53.68</td><td>68.20</td><td>-14.52</td><td>44.76</td><td>8.92</td><td>Peak</td><td>125</td><td>171</td></tr><tr><td>2</td><td>15600.00</td><td>35.28</td><td>54.00</td><td>-18.72</td><td>28.95</td><td>6.33</td><td>Average</td><td>322</td><td>126</td></tr><tr><td>3</td><td>15600.00</td><td>48.48</td><td>74.00</td><td>-25.52</td><td>42.15</td><td>6.33</td><td>Peak</td><td>322</td><td>126</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	10400.00	53.68	68.20	-14.52	44.76	8.92	Peak	125	171	2	15600.00	35.28	54.00	-18.72	28.95	6.33	Average	322	126	3	15600.00	48.48	74.00	-25.52	42.15	6.33	Peak	322	126
	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	10400.00	53.68	68.20	-14.52	44.76	8.92	Peak	125	171																																		
2	15600.00	35.28	54.00	-18.72	28.95	6.33	Average	322	126																																		
3	15600.00	48.48	74.00	-25.52	42.15	6.33	Peak	322	126																																		
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).																																											

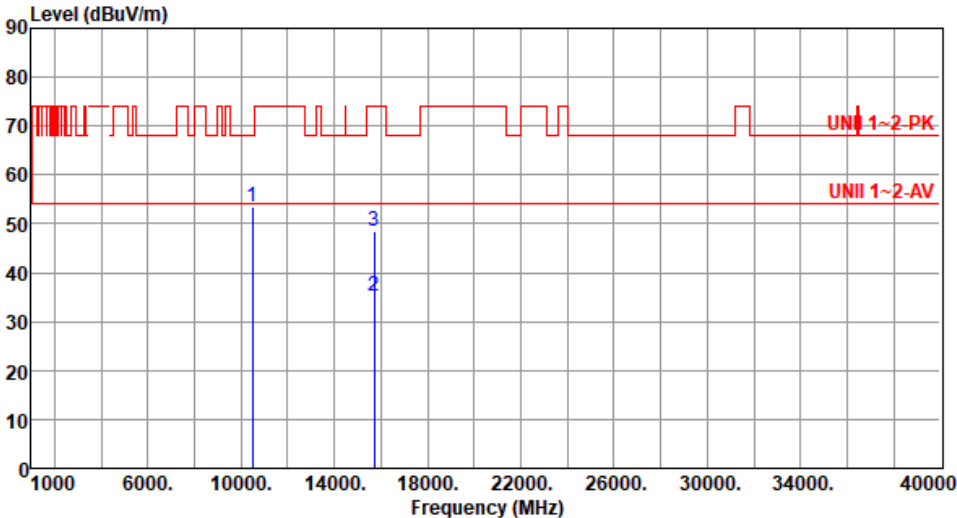


Modulation	11a	Test Freq. (MHz)	5240																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
Level (dBUV/m)  Frequency (MHz) <table><tr><th></th><th>Freq. MHz</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>10480.00</td><td>56.56</td><td>68.20</td><td>-11.64</td><td>47.37</td><td>9.19</td><td>Peak</td><td>154</td><td>355</td></tr><tr><td>2</td><td>15720.00</td><td>36.61</td><td>54.00</td><td>-17.39</td><td>30.34</td><td>6.27</td><td>Average</td><td>288</td><td>61</td></tr><tr><td>3</td><td>15720.00</td><td>48.56</td><td>74.00</td><td>-25.44</td><td>42.29</td><td>6.27</td><td>Peak</td><td>288</td><td>61</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	10480.00	56.56	68.20	-11.64	47.37	9.19	Peak	154	355	2	15720.00	36.61	54.00	-17.39	30.34	6.27	Average	288	61	3	15720.00	48.56	74.00	-25.44	42.29	6.27	Peak	288	61
	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	10480.00	56.56	68.20	-11.64	47.37	9.19	Peak	154	355																																		
2	15720.00	36.61	54.00	-17.39	30.34	6.27	Average	288	61																																		
3	15720.00	48.56	74.00	-25.44	42.29	6.27	Peak	288	61																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5240																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
 <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>10480.00</td><td>53.57</td><td>68.20</td><td>-14.63</td><td>44.38</td><td>9.19</td><td>Peak</td><td>122</td><td>169</td></tr><tr><td>2</td><td>15720.00</td><td>35.16</td><td>54.00</td><td>-18.84</td><td>28.89</td><td>6.27</td><td>Average</td><td>311</td><td>129</td></tr><tr><td>3</td><td>15720.00</td><td>48.35</td><td>74.00</td><td>-25.65</td><td>42.08</td><td>6.27</td><td>Peak</td><td>311</td><td>129</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	10480.00	53.57	68.20	-14.63	44.38	9.19	Peak	122	169	2	15720.00	35.16	54.00	-18.84	28.89	6.27	Average	311	129	3	15720.00	48.35	74.00	-25.65	42.08	6.27	Peak	311	129
	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	10480.00	53.57	68.20	-14.63	44.38	9.19	Peak	122	169																																		
2	15720.00	35.16	54.00	-18.84	28.89	6.27	Average	311	129																																		
3	15720.00	48.35	74.00	-25.65	42.08	6.27	Peak	311	129																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5260																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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>10520.00</td><td>56.40</td><td>68.20</td><td>-11.80</td><td>47.21</td><td>9.19</td><td>Peak</td><td>115</td><td>351</td></tr><tr><td>2</td><td>15780.00</td><td>37.18</td><td>54.00</td><td>-16.82</td><td>31.10</td><td>6.08</td><td>Average</td><td>176</td><td>11</td></tr><tr><td>3</td><td>15780.00</td><td>49.01</td><td>74.00</td><td>-24.99</td><td>42.93</td><td>6.08</td><td>Peak</td><td>176</td><td>11</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	10520.00	56.40	68.20	-11.80	47.21	9.19	Peak	115	351	2	15780.00	37.18	54.00	-16.82	31.10	6.08	Average	176	11	3	15780.00	49.01	74.00	-24.99	42.93	6.08	Peak	176	11
	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	10520.00	56.40	68.20	-11.80	47.21	9.19	Peak	115	351																																		
2	15780.00	37.18	54.00	-16.82	31.10	6.08	Average	176	11																																		
3	15780.00	49.01	74.00	-24.99	42.93	6.08	Peak	176	11																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m)			

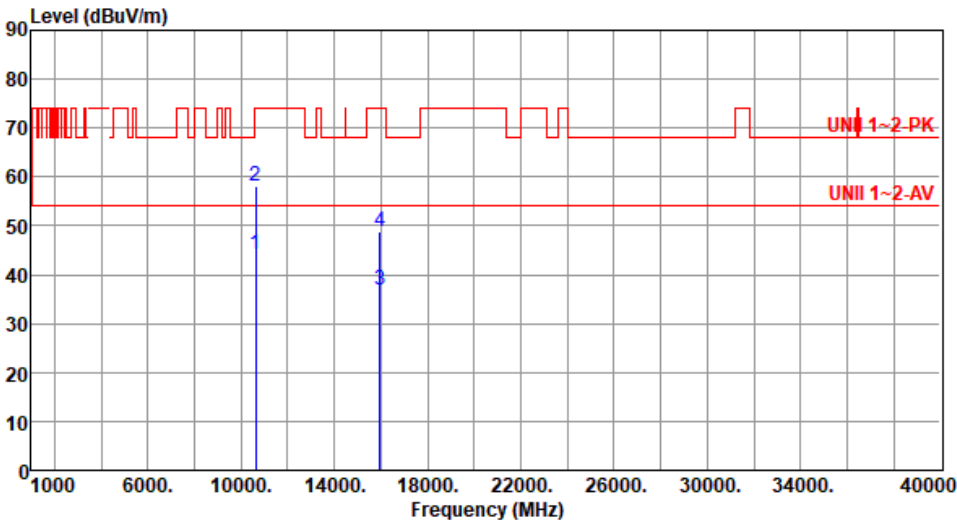


Modulation	11a	Test Freq. (MHz)	5300																																																		
Polarization	Horizontal																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
<table><tr><th></th><th>Freq. MHz</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>10600.00</td><td>44.36</td><td>54.00</td><td>-9.64</td><td>35.11</td><td>9.25</td><td>Average</td><td>118</td><td>354</td></tr><tr><td>2</td><td>10600.00</td><td>57.42</td><td>74.00</td><td>-16.58</td><td>48.17</td><td>9.25</td><td>Peak</td><td>118</td><td>354</td></tr><tr><td>3</td><td>15900.00</td><td>37.04</td><td>54.00</td><td>-16.96</td><td>30.64</td><td>6.40</td><td>Average</td><td>180</td><td>2</td></tr><tr><td>4</td><td>15900.00</td><td>49.00</td><td>74.00</td><td>-25.00</td><td>42.60</td><td>6.40</td><td>Peak</td><td>180</td><td>2</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	10600.00	44.36	54.00	-9.64	35.11	9.25	Average	118	354	2	10600.00	57.42	74.00	-16.58	48.17	9.25	Peak	118	354	3	15900.00	37.04	54.00	-16.96	30.64	6.40	Average	180	2	4	15900.00	49.00	74.00	-25.00	42.60	6.40	Peak	180	2
	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	10600.00	44.36	54.00	-9.64	35.11	9.25	Average	118	354																																												
2	10600.00	57.42	74.00	-16.58	48.17	9.25	Peak	118	354																																												
3	15900.00	37.04	54.00	-16.96	30.64	6.40	Average	180	2																																												
4	15900.00	49.00	74.00	-25.00	42.60	6.40	Peak	180	2																																												
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)	5300																																																		
Polarization	Vertical																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
<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>10600.00</td><td>43.73</td><td>54.00</td><td>-10.27</td><td>34.48</td><td>9.25</td><td>Average</td><td>184</td><td>5</td></tr><tr><td>2</td><td>10600.00</td><td>56.41</td><td>74.00</td><td>-17.59</td><td>47.16</td><td>9.25</td><td>Peak</td><td>184</td><td>5</td></tr><tr><td>3</td><td>15900.00</td><td>36.78</td><td>54.00</td><td>-17.22</td><td>30.38</td><td>6.40</td><td>Average</td><td>334</td><td>12</td></tr><tr><td>4</td><td>15900.00</td><td>49.20</td><td>74.00</td><td>-24.80</td><td>42.80</td><td>6.40</td><td>Peak</td><td>334</td><td>12</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	10600.00	43.73	54.00	-10.27	34.48	9.25	Average	184	5	2	10600.00	56.41	74.00	-17.59	47.16	9.25	Peak	184	5	3	15900.00	36.78	54.00	-17.22	30.38	6.40	Average	334	12	4	15900.00	49.20	74.00	-24.80	42.80	6.40	Peak	334	12
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																												
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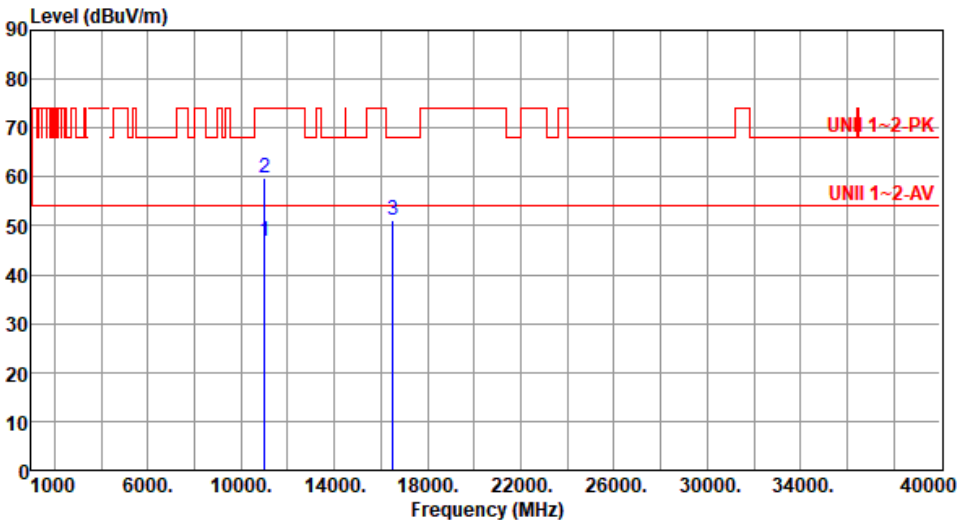


Modulation	11a	Test Freq. (MHz)	5320																																																																						
Polarization	Horizontal																																																																								
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																																									
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	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																																
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Modulation	11a	Test Freq. (MHz)	5320																																																		
Polarization	Vertical																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
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	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	10640.00	43.45	54.00	-10.55	34.12	9.33	Average	179	8																																												
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Modulation	11a	Test Freq. (MHz)	5500																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																															
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	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																						
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1	11000.00	46.93	54.00	-7.07	37.23	9.70	Average	224	321																																																						
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Modulation	11a	Test Freq. (MHz)	5500																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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	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	11000.00	45.63	54.00	-8.37	35.93	9.70	Average	226	14																																		
2	11000.00	59.71	74.00	-14.29	50.01	9.70	Peak	226	14																																		
3	16500.00	49.64	68.20	-18.56	42.30	7.34	Peak	291	23																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) </			



Modulation	11a	Test Freq. (MHz)	5580																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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>11160.00</td><td>44.43</td><td>54.00</td><td>-9.57</td><td>35.31</td><td>9.12</td><td>Average</td><td>224</td><td>10</td></tr><tr><td>2</td><td>11160.00</td><td>57.23</td><td>74.00</td><td>-16.77</td><td>48.11</td><td>9.12</td><td>Peak</td><td>224</td><td>10</td></tr><tr><td>3</td><td>16740.00</td><td>49.75</td><td>68.20</td><td>-18.45</td><td>42.16</td><td>7.59</td><td>Peak</td><td>297</td><td>16</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	11160.00	44.43	54.00	-9.57	35.31	9.12	Average	224	10	2	11160.00	57.23	74.00	-16.77	48.11	9.12	Peak	224	10	3	16740.00	49.75	68.20	-18.45	42.16	7.59	Peak	297	16
	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	11160.00	44.43	54.00	-9.57	35.31	9.12	Average	224	10																																		
2	11160.00	57.23	74.00	-16.77	48.11	9.12	Peak	224	10																																		
3	16740.00	49.75	68.20	-18.45	42.16	7.59	Peak	297	16																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			



Modulation	11a	Test Freq. (MHz)	5700																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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>11400.00</td><td>44.82</td><td>54.00</td><td>-9.18</td><td>35.73</td><td>9.09</td><td>Average</td><td>229</td><td>34</td></tr><tr><td>2</td><td>11400.00</td><td>58.83</td><td>74.00</td><td>-15.17</td><td>49.74</td><td>9.09</td><td>Peak</td><td>229</td><td>34</td></tr><tr><td>3</td><td>17100.00</td><td>49.86</td><td>68.20</td><td>-18.34</td><td>42.71</td><td>7.15</td><td>Peak</td><td>285</td><td>4</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	11400.00	44.82	54.00	-9.18	35.73	9.09	Average	229	34	2	11400.00	58.83	74.00	-15.17	49.74	9.09	Peak	229	34	3	17100.00	49.86	68.20	-18.34	42.71	7.15	Peak	285	4
	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	11400.00	44.82	54.00	-9.18	35.73	9.09	Average	229	34																																		
2	11400.00	58.83	74.00	-15.17	49.74	9.09	Peak	229	34																																		
3	17100.00	49.86	68.20	-18.34	42.71	7.15	Peak	285	4																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5720																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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>11440.00</td><td>47.01</td><td>54.00</td><td>-6.99</td><td>37.86</td><td>9.15</td><td>Average</td><td>219</td><td>316</td></tr><tr><td>2</td><td>11440.00</td><td>59.36</td><td>74.00</td><td>-14.64</td><td>50.21</td><td>9.15</td><td>Peak</td><td>219</td><td>316</td></tr><tr><td>3</td><td>17160.00</td><td>49.95</td><td>68.20</td><td>-18.25</td><td>42.94</td><td>7.01</td><td>Peak</td><td>235</td><td>302</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	11440.00	47.01	54.00	-6.99	37.86	9.15	Average	219	316	2	11440.00	59.36	74.00	-14.64	50.21	9.15	Peak	219	316	3	17160.00	49.95	68.20	-18.25	42.94	7.01	Peak	235	302
	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	11440.00	47.01	54.00	-6.99	37.86	9.15	Average	219	316																																		
2	11440.00	59.36	74.00	-14.64	50.21	9.15	Peak	219	316																																		
3	17160.00	49.95	68.20	-18.25	42.94	7.01	Peak	235	302																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m)			



Unwanted Emissions

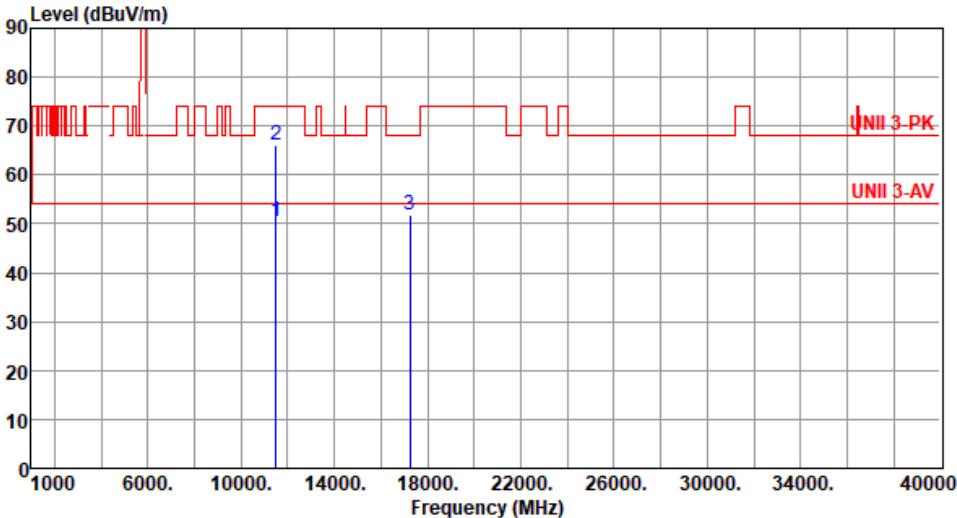
Appendix D

Modulation	11a	Test Freq. (MHz)	5745																																																		
Polarization	Horizontal																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
Level (dBuV/m) UNII 3-PK UNII 3-AV 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>11490.00</td><td>48.84</td><td>54.00</td><td>-5.16</td><td>39.61</td><td>9.23</td><td>Average</td><td>164</td><td>300</td></tr><tr><td>2</td><td>11490.00</td><td>64.89</td><td>74.00</td><td>-9.11</td><td>55.66</td><td>9.23</td><td>Peak</td><td>164</td><td>300</td></tr><tr><td>3</td><td>17235.00</td><td>58.06</td><td>68.20</td><td>-10.14</td><td>50.78</td><td>7.28</td><td>Peak</td><td>122</td><td>338</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	11490.00	48.84	54.00	-5.16	39.61	9.23	Average	164	300	2	11490.00	64.89	74.00	-9.11	55.66	9.23	Peak	164	300	3	17235.00	58.06	68.20	-10.14	50.78	7.28	Peak	122	338
	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	11490.00	48.84	54.00	-5.16	39.61	9.23	Average	164	300																																												
2	11490.00	64.89	74.00	-9.11	55.66	9.23	Peak	164	300																																												
3	17235.00	58.06	68.20	-10.14	50.78	7.28	Peak	122	338																																												
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).																																																					

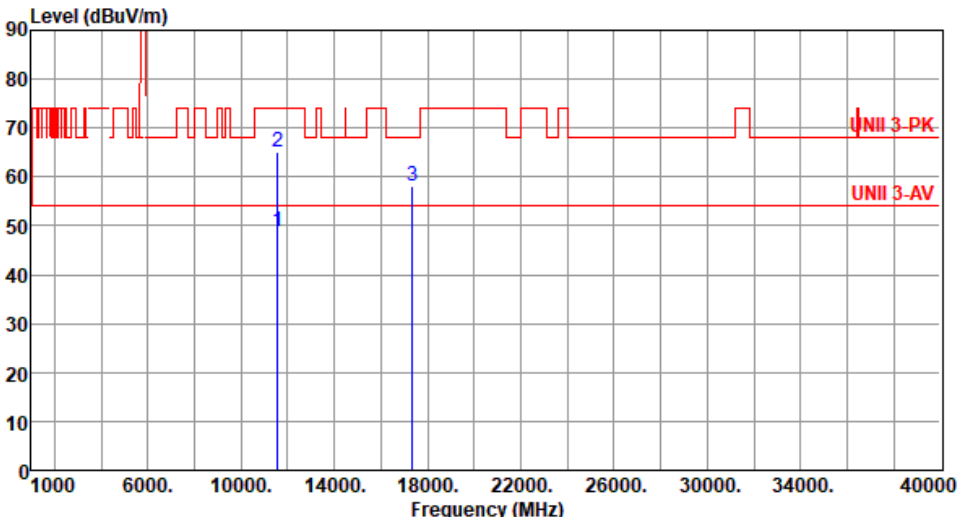


Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5745																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
Level (dBuV/m)  <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>11490.00</td><td>50.61</td><td>54.00</td><td>-3.39</td><td>41.38</td><td>9.23</td><td>Average</td><td>169</td><td>355</td></tr><tr><td>2</td><td>11490.00</td><td>66.19</td><td>74.00</td><td>-7.81</td><td>56.96</td><td>9.23</td><td>Peak</td><td>169</td><td>355</td></tr><tr><td>3</td><td>17235.00</td><td>51.88</td><td>68.20</td><td>-16.32</td><td>44.60</td><td>7.28</td><td>Peak</td><td>314</td><td>162</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	11490.00	50.61	54.00	-3.39	41.38	9.23	Average	169	355	2	11490.00	66.19	74.00	-7.81	56.96	9.23	Peak	169	355	3	17235.00	51.88	68.20	-16.32	44.60	7.28	Peak	314	162
	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	11490.00	50.61	54.00	-3.39	41.38	9.23	Average	169	355																																		
2	11490.00	66.19	74.00	-7.81	56.96	9.23	Peak	169	355																																		
3	17235.00	51.88	68.20	-16.32	44.60	7.28	Peak	314	162																																		
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	Horizontal																																										
Test By :Brad Wu- Temperature(°C):25 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>11570.00</td><td>48.91</td><td>54.00</td><td>-5.09</td><td>39.85</td><td>9.06</td><td>Average</td><td>179</td><td>311</td></tr><tr><td>2</td><td>11570.00</td><td>65.03</td><td>74.00</td><td>-8.97</td><td>55.97</td><td>9.06</td><td>Peak</td><td>179</td><td>311</td></tr><tr><td>3</td><td>17355.00</td><td>58.14</td><td>68.20</td><td>-10.06</td><td>50.46</td><td>7.68</td><td>Peak</td><td>125</td><td>341</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	11570.00	48.91	54.00	-5.09	39.85	9.06	Average	179	311	2	11570.00	65.03	74.00	-8.97	55.97	9.06	Peak	179	311	3	17355.00	58.14	68.20	-10.06	50.46	7.68	Peak	125	341
	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	11570.00	48.91	54.00	-5.09	39.85	9.06	Average	179	311																																		
2	11570.00	65.03	74.00	-8.97	55.97	9.06	Peak	179	311																																		
3	17355.00	58.14	68.20	-10.06	50.46	7.68	Peak	125	341																																		
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).																																											

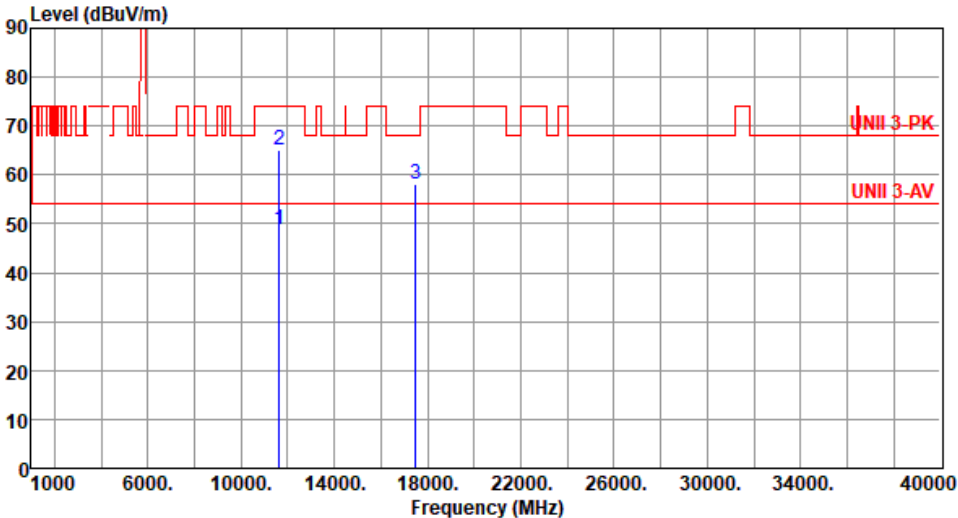


Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5785																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):25 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>11570.00</td><td>50.69</td><td>54.00</td><td>-3.31</td><td>41.63</td><td>9.06</td><td>Average</td><td>174</td><td>358</td></tr><tr><td>2</td><td>11570.00</td><td>66.27</td><td>74.00</td><td>-7.73</td><td>57.21</td><td>9.06</td><td>Peak</td><td>174</td><td>358</td></tr><tr><td>3</td><td>17355.00</td><td>52.01</td><td>68.20</td><td>-16.19</td><td>44.33</td><td>7.68</td><td>Peak</td><td>313</td><td>170</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	11570.00	50.69	54.00	-3.31	41.63	9.06	Average	174	358	2	11570.00	66.27	74.00	-7.73	57.21	9.06	Peak	174	358	3	17355.00	52.01	68.20	-16.19	44.33	7.68	Peak	313	170
	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	11570.00	50.69	54.00	-3.31	41.63	9.06	Average	174	358																																		
2	11570.00	66.27	74.00	-7.73	57.21	9.06	Peak	174	358																																		
3	17355.00	52.01	68.20	-16.19	44.33	7.68	Peak	313	170																																		
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).																																											

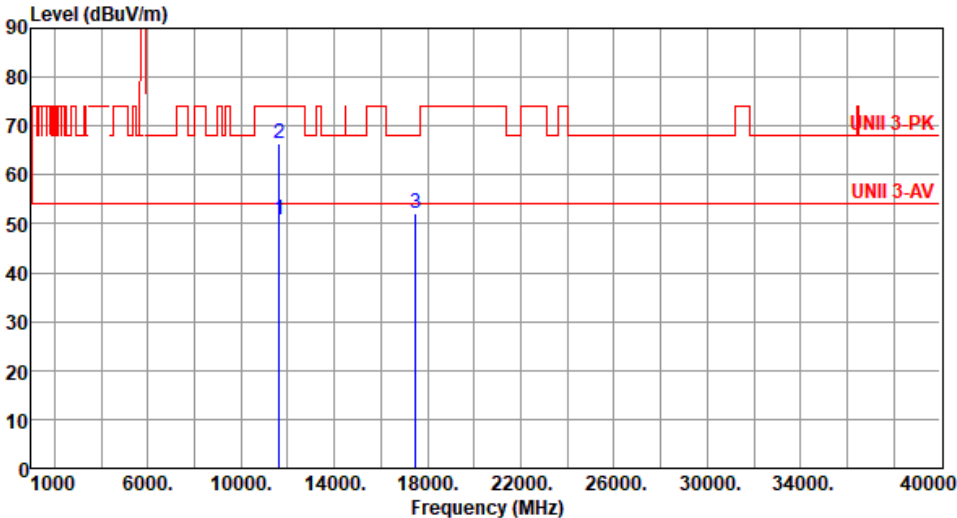


Modulation	11a	Test Freq. (MHz)	5825																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
 <table><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</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>11650.00</td><td>48.96</td><td>54.00</td><td>-5.04</td><td>40.30</td><td>8.66</td><td>Average</td><td>172</td><td>309</td></tr><tr><td>2</td><td>11650.00</td><td>65.11</td><td>74.00</td><td>-8.89</td><td>56.45</td><td>8.66</td><td>Peak</td><td>172</td><td>309</td></tr><tr><td>3</td><td>17475.00</td><td>58.22</td><td>68.20</td><td>-9.98</td><td>50.02</td><td>8.20</td><td>Peak</td><td>129</td><td>336</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	11650.00	48.96	54.00	-5.04	40.30	8.66	Average	172	309	2	11650.00	65.11	74.00	-8.89	56.45	8.66	Peak	172	309	3	17475.00	58.22	68.20	-9.98	50.02	8.20	Peak	129	336
	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	11650.00	48.96	54.00	-5.04	40.30	8.66	Average	172	309																																		
2	11650.00	65.11	74.00	-8.89	56.45	8.66	Peak	172	309																																		
3	17475.00	58.22	68.20	-9.98	50.02	8.20	Peak	129	336																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	11a	Test Freq. (MHz)	5825																																																		
Polarization	Vertical																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
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>50.78</td><td>54.00</td><td>-3.22</td><td>42.12</td><td>8.66</td><td>Average</td><td>169</td><td>351</td></tr><tr><td>2</td><td>11650.00</td><td>66.39</td><td>74.00</td><td>-7.61</td><td>57.73</td><td>8.66</td><td>Peak</td><td>169</td><td>351</td></tr><tr><td>3</td><td>17475.00</td><td>52.14</td><td>68.20</td><td>-16.06</td><td>43.94</td><td>8.20</td><td>Peak</td><td>308</td><td>165</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	50.78	54.00	-3.22	42.12	8.66	Average	169	351	2	11650.00	66.39	74.00	-7.61	57.73	8.66	Peak	169	351	3	17475.00	52.14	68.20	-16.06	43.94	8.20	Peak	308	165
	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	50.78	54.00	-3.22	42.12	8.66	Average	169	351																																												
2	11650.00	66.39	74.00	-7.61	57.73	8.66	Peak	169	351																																												
3	17475.00	52.14	68.20	-16.06	43.94	8.20	Peak	308	165																																												
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).																																																					



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5180																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>10360.00</td><td>60.46</td><td>68.20</td><td>-7.74</td><td>51.62</td><td>8.84</td><td>Peak</td><td>141</td><td>344</td></tr><tr><td>2</td><td>15540.00</td><td>37.21</td><td>54.00</td><td>-16.79</td><td>30.89</td><td>6.32</td><td>Average</td><td>278</td><td>52</td></tr><tr><td>3</td><td>15540.00</td><td>50.15</td><td>74.00</td><td>-23.85</td><td>43.83</td><td>6.32</td><td>Peak</td><td>278</td><td>52</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	10360.00	60.46	68.20	-7.74	51.62	8.84	Peak	141	344	2	15540.00	37.21	54.00	-16.79	30.89	6.32	Average	278	52	3	15540.00	50.15	74.00	-23.85	43.83	6.32	Peak	278	52
	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	10360.00	60.46	68.20	-7.74	51.62	8.84	Peak	141	344																																		
2	15540.00	37.21	54.00	-16.79	30.89	6.32	Average	278	52																																		
3	15540.00	50.15	74.00	-23.85	43.83	6.32	Peak	278	52																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5180																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>10360.00</td><td>57.17</td><td>68.20</td><td>-11.03</td><td>48.33</td><td>8.84</td><td>Peak</td><td>119</td><td>164</td></tr><tr><td>2</td><td>15540.00</td><td>36.06</td><td>54.00</td><td>-17.94</td><td>29.74</td><td>6.32</td><td>Average</td><td>296</td><td>125</td></tr><tr><td>3</td><td>15540.00</td><td>48.99</td><td>74.00</td><td>-25.01</td><td>42.67</td><td>6.32</td><td>Peak</td><td>296</td><td>125</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	10360.00	57.17	68.20	-11.03	48.33	8.84	Peak	119	164	2	15540.00	36.06	54.00	-17.94	29.74	6.32	Average	296	125	3	15540.00	48.99	74.00	-25.01	42.67	6.32	Peak	296	125
	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	10360.00	57.17	68.20	-11.03	48.33	8.84	Peak	119	164																																		
2	15540.00	36.06	54.00	-17.94	29.74	6.32	Average	296	125																																		
3	15540.00	48.99	74.00	-25.01	42.67	6.32	Peak	296	125																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5200
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) </			



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5200																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>10400.00</td><td>57.77</td><td>68.20</td><td>-10.43</td><td>48.85</td><td>8.92</td><td>Peak</td><td>122</td><td>169</td></tr><tr><td>2</td><td>15600.00</td><td>36.15</td><td>54.00</td><td>-17.85</td><td>29.82</td><td>6.33</td><td>Average</td><td>316</td><td>124</td></tr><tr><td>3</td><td>15600.00</td><td>49.36</td><td>74.00</td><td>-24.64</td><td>43.03</td><td>6.33</td><td>Peak</td><td>316</td><td>124</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	10400.00	57.77	68.20	-10.43	48.85	8.92	Peak	122	169	2	15600.00	36.15	54.00	-17.85	29.82	6.33	Average	316	124	3	15600.00	49.36	74.00	-24.64	43.03	6.33	Peak	316	124
	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	10400.00	57.77	68.20	-10.43	48.85	8.92	Peak	122	169																																		
2	15600.00	36.15	54.00	-17.85	29.82	6.33	Average	316	124																																		
3	15600.00	49.36	74.00	-24.64	43.03	6.33	Peak	316	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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5240
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5240																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>10480.00</td><td>56.87</td><td>68.20</td><td>-11.33</td><td>47.68</td><td>9.19</td><td>Peak</td><td>116</td><td>158</td></tr><tr><td>2</td><td>15720.00</td><td>35.71</td><td>54.00</td><td>-18.29</td><td>29.44</td><td>6.27</td><td>Average</td><td>306</td><td>124</td></tr><tr><td>3</td><td>15720.00</td><td>48.50</td><td>74.00</td><td>-25.50</td><td>42.23</td><td>6.27</td><td>Peak</td><td>306</td><td>124</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	10480.00	56.87	68.20	-11.33	47.68	9.19	Peak	116	158	2	15720.00	35.71	54.00	-18.29	29.44	6.27	Average	306	124	3	15720.00	48.50	74.00	-25.50	42.23	6.27	Peak	306	124
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5260
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			



Unwanted Emissions

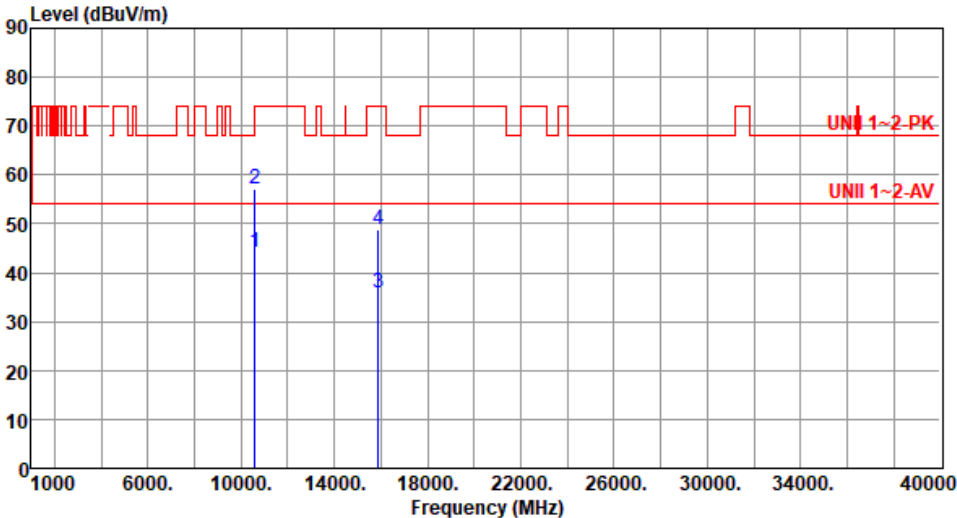
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5260																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>10520.00</td><td>56.86</td><td>68.20</td><td>-11.34</td><td>47.67</td><td>9.19</td><td>Peak</td><td>172</td><td>15</td></tr><tr><td>2</td><td>15780.00</td><td>35.68</td><td>54.00</td><td>-18.32</td><td>29.60</td><td>6.08</td><td>Average</td><td>316</td><td>25</td></tr><tr><td>3</td><td>15780.00</td><td>48.73</td><td>74.00</td><td>-25.27</td><td>42.65</td><td>6.08</td><td>Peak</td><td>316</td><td>25</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	10520.00	56.86	68.20	-11.34	47.67	9.19	Peak	172	15	2	15780.00	35.68	54.00	-18.32	29.60	6.08	Average	316	25	3	15780.00	48.73	74.00	-25.27	42.65	6.08	Peak	316	25
	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	10520.00	56.86	68.20	-11.34	47.67	9.19	Peak	172	15																																		
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Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5300																																																		
Polarization	Horizontal																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
 <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>10600.00</td><td>44.23</td><td>54.00</td><td>-9.77</td><td>34.98</td><td>9.25</td><td>Average</td><td>115</td><td>349</td></tr><tr><td>2</td><td>10600.00</td><td>57.10</td><td>74.00</td><td>-16.90</td><td>47.85</td><td>9.25</td><td>Peak</td><td>115</td><td>349</td></tr><tr><td>3</td><td>15900.00</td><td>35.82</td><td>54.00</td><td>-18.18</td><td>29.42</td><td>6.40</td><td>Average</td><td>176</td><td>5</td></tr><tr><td>4</td><td>15900.00</td><td>48.98</td><td>74.00</td><td>-25.02</td><td>42.58</td><td>6.40</td><td>Peak</td><td>176</td><td>5</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	10600.00	44.23	54.00	-9.77	34.98	9.25	Average	115	349	2	10600.00	57.10	74.00	-16.90	47.85	9.25	Peak	115	349	3	15900.00	35.82	54.00	-18.18	29.42	6.40	Average	176	5	4	15900.00	48.98	74.00	-25.02	42.58	6.40	Peak	176	5
	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	10600.00	44.23	54.00	-9.77	34.98	9.25	Average	115	349																																												
2	10600.00	57.10	74.00	-16.90	47.85	9.25	Peak	115	349																																												
3	15900.00	35.82	54.00	-18.18	29.42	6.40	Average	176	5																																												
4	15900.00	48.98	74.00	-25.02	42.58	6.40	Peak	176	5																																												
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).																																																					



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5300																																																		
Polarization	Vertical																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
<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>10600.00</td><td>44.12</td><td>54.00</td><td>-9.88</td><td>34.87</td><td>9.25</td><td>Average</td><td>178</td><td>6</td></tr><tr><td>2</td><td>10600.00</td><td>57.46</td><td>74.00</td><td>-16.54</td><td>48.21</td><td>9.25</td><td>Peak</td><td>178</td><td>6</td></tr><tr><td>3</td><td>15900.00</td><td>35.64</td><td>54.00</td><td>-18.36</td><td>29.24</td><td>6.40</td><td>Average</td><td>331</td><td>26</td></tr><tr><td>4</td><td>15900.00</td><td>49.05</td><td>74.00</td><td>-24.95</td><td>42.65</td><td>6.40</td><td>Peak</td><td>331</td><td>26</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	10600.00	44.12	54.00	-9.88	34.87	9.25	Average	178	6	2	10600.00	57.46	74.00	-16.54	48.21	9.25	Peak	178	6	3	15900.00	35.64	54.00	-18.36	29.24	6.40	Average	331	26	4	15900.00	49.05	74.00	-24.95	42.65	6.40	Peak	331	26
	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	10600.00	44.12	54.00	-9.88	34.87	9.25	Average	178	6																																												
2	10600.00	57.46	74.00	-16.54	48.21	9.25	Peak	178	6																																												
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4	15900.00	49.05	74.00	-24.95	42.65	6.40	Peak	331	26																																												
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Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5320																																																		
Polarization	Horizontal																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
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	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	10640.00	44.65	54.00	-9.35	35.32	9.33	Average	112	339																																												
2	10640.00	57.21	74.00	-16.79	47.88	9.33	Peak	112	339																																												
3	15960.00	35.81	54.00	-18.19	29.56	6.25	Average	156	22																																												
4	15960.00	48.77	74.00	-25.23	42.52	6.25	Peak	156	22																																												
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Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5320																																																		
Polarization	Vertical																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
Level (dBuV/m) <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>10640.00</td><td>43.98</td><td>54.00</td><td>-10.02</td><td>34.65</td><td>9.33</td><td>Average</td><td>167</td><td>15</td></tr><tr><td>2</td><td>10640.00</td><td>57.06</td><td>74.00</td><td>-16.94</td><td>47.73</td><td>9.33</td><td>Peak</td><td>167</td><td>15</td></tr><tr><td>3</td><td>15960.00</td><td>36.01</td><td>54.00</td><td>-17.99</td><td>29.76</td><td>6.25</td><td>Average</td><td>336</td><td>29</td></tr><tr><td>4</td><td>15960.00</td><td>49.03</td><td>74.00</td><td>-24.97</td><td>42.78</td><td>6.25</td><td>Peak</td><td>336</td><td>29</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	10640.00	43.98	54.00	-10.02	34.65	9.33	Average	167	15	2	10640.00	57.06	74.00	-16.94	47.73	9.33	Peak	167	15	3	15960.00	36.01	54.00	-17.99	29.76	6.25	Average	336	29	4	15960.00	49.03	74.00	-24.97	42.78	6.25	Peak	336	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	10640.00	43.98	54.00	-10.02	34.65	9.33	Average	167	15																																												
2	10640.00	57.06	74.00	-16.94	47.73	9.33	Peak	167	15																																												
3	15960.00	36.01	54.00	-17.99	29.76	6.25	Average	336	29																																												
4	15960.00	49.03	74.00	-24.97	42.78	6.25	Peak	336	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).																																																					



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5500
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) </			



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5500																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>11000.00</td><td>45.95</td><td>54.00</td><td>-8.05</td><td>36.25</td><td>9.70</td><td>Average</td><td>222</td><td>36</td></tr><tr><td>2</td><td>11000.00</td><td>59.98</td><td>74.00</td><td>-14.02</td><td>50.28</td><td>9.70</td><td>Peak</td><td>222</td><td>36</td></tr><tr><td>3</td><td>16500.00</td><td>50.12</td><td>68.20</td><td>-18.08</td><td>42.78</td><td>7.34</td><td>Peak</td><td>282</td><td>39</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	11000.00	45.95	54.00	-8.05	36.25	9.70	Average	222	36	2	11000.00	59.98	74.00	-14.02	50.28	9.70	Peak	222	36	3	16500.00	50.12	68.20	-18.08	42.78	7.34	Peak	282	39
	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	11000.00	45.95	54.00	-8.05	36.25	9.70	Average	222	36																																		
2	11000.00	59.98	74.00	-14.02	50.28	9.70	Peak	222	36																																		
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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)	5580																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>11160.00</td><td>46.40</td><td>54.00</td><td>-7.60</td><td>37.28</td><td>9.12</td><td>Average</td><td>229</td><td>321</td></tr><tr><td>2</td><td>11160.00</td><td>59.38</td><td>74.00</td><td>-14.62</td><td>50.26</td><td>9.12</td><td>Peak</td><td>229</td><td>321</td></tr><tr><td>3</td><td>16740.00</td><td>50.80</td><td>68.20</td><td>-17.40</td><td>43.21</td><td>7.59</td><td>Peak</td><td>249</td><td>301</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	11160.00	46.40	54.00	-7.60	37.28	9.12	Average	229	321	2	11160.00	59.38	74.00	-14.62	50.26	9.12	Peak	229	321	3	16740.00	50.80	68.20	-17.40	43.21	7.59	Peak	249	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	11160.00	46.40	54.00	-7.60	37.28	9.12	Average	229	321																																		
2	11160.00	59.38	74.00	-14.62	50.26	9.12	Peak	229	321																																		
3	16740.00	50.80	68.20	-17.40	43.21	7.59	Peak	249	301																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5580																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>11160.00</td><td>45.06</td><td>54.00</td><td>-8.94</td><td>35.94</td><td>9.12</td><td>Average</td><td>231</td><td>22</td></tr><tr><td>2</td><td>11160.00</td><td>59.29</td><td>74.00</td><td>-14.71</td><td>50.17</td><td>9.12</td><td>Peak</td><td>231</td><td>22</td></tr><tr><td>3</td><td>16740.00</td><td>50.42</td><td>68.20</td><td>-17.78</td><td>42.83</td><td>7.59</td><td>Peak</td><td>291</td><td>24</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	11160.00	45.06	54.00	-8.94	35.94	9.12	Average	231	22	2	11160.00	59.29	74.00	-14.71	50.17	9.12	Peak	231	22	3	16740.00	50.42	68.20	-17.78	42.83	7.59	Peak	291	24
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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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).																																											



Unwanted Emissions

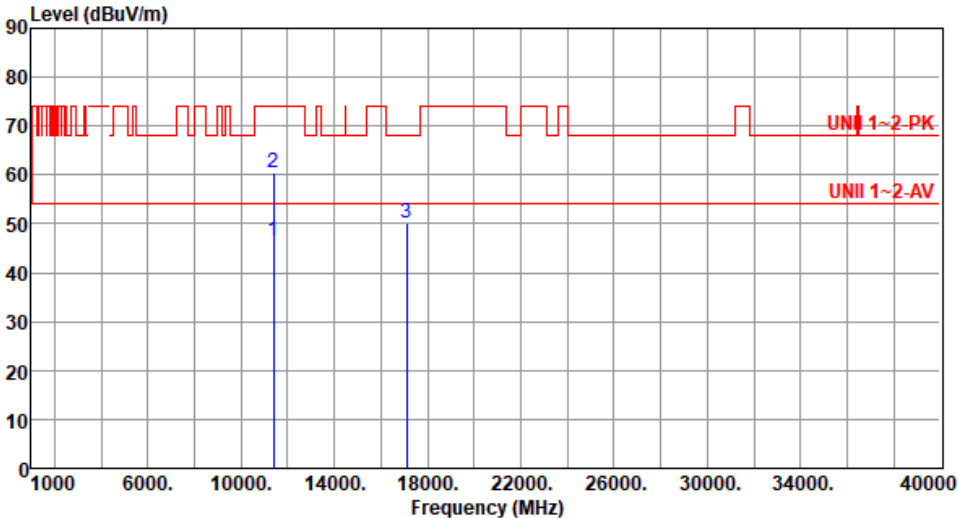
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5700
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m)			



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5700																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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>11400.00</td><td>46.52</td><td>54.00</td><td>-7.48</td><td>37.43</td><td>9.09</td><td>Average</td><td>225</td><td>31</td></tr><tr><td>2</td><td>11400.00</td><td>60.31</td><td>74.00</td><td>-13.69</td><td>51.22</td><td>9.09</td><td>Peak</td><td>225</td><td>31</td></tr><tr><td>3</td><td>17100.00</td><td>50.06</td><td>68.20</td><td>-18.14</td><td>42.91</td><td>7.15</td><td>Peak</td><td>281</td><td>9</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	11400.00	46.52	54.00	-7.48	37.43	9.09	Average	225	31	2	11400.00	60.31	74.00	-13.69	51.22	9.09	Peak	225	31	3	17100.00	50.06	68.20	-18.14	42.91	7.15	Peak	281	9
	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	11400.00	46.52	54.00	-7.48	37.43	9.09	Average	225	31																																		
2	11400.00	60.31	74.00	-13.69	51.22	9.09	Peak	225	31																																		
3	17100.00	50.06	68.20	-18.14	42.91	7.15	Peak	281	9																																		
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).																																											



Unwanted Emissions

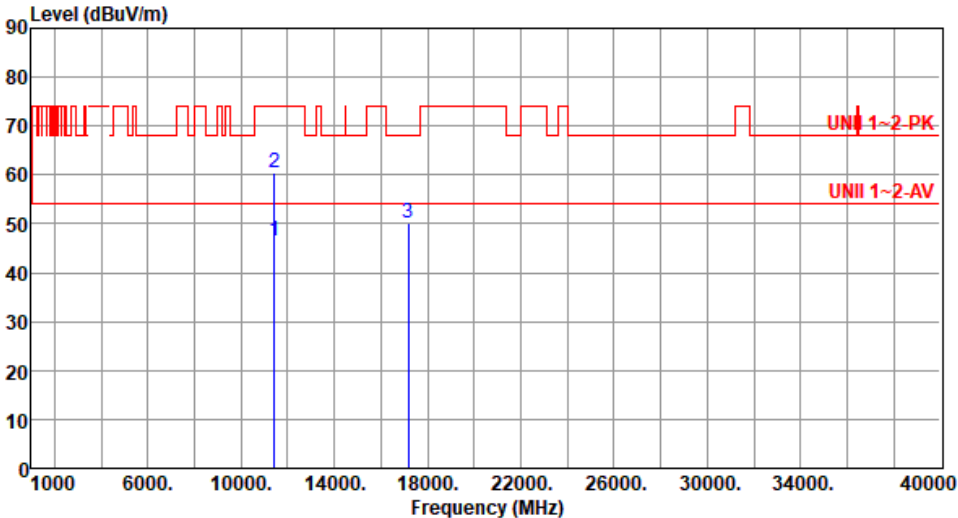
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5720
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) </			



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5720																																																		
Polarization	Vertical																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
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>11440.00</td><td>46.56</td><td>54.00</td><td>-7.44</td><td>37.41</td><td>9.15</td><td>Average</td><td>212</td><td>43</td></tr><tr><td>2</td><td>11440.00</td><td>60.34</td><td>74.00</td><td>-13.66</td><td>51.19</td><td>9.15</td><td>Peak</td><td>212</td><td>43</td></tr><tr><td>3</td><td>17160.00</td><td>50.14</td><td>68.20</td><td>-18.06</td><td>43.13</td><td>7.01</td><td>Peak</td><td>254</td><td>16</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	11440.00	46.56	54.00	-7.44	37.41	9.15	Average	212	43	2	11440.00	60.34	74.00	-13.66	51.19	9.15	Peak	212	43	3	17160.00	50.14	68.20	-18.06	43.13	7.01	Peak	254	16
	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	11440.00	46.56	54.00	-7.44	37.41	9.15	Average	212	43																																												
2	11440.00	60.34	74.00	-13.66	51.19	9.15	Peak	212	43																																												
3	17160.00	50.14	68.20	-18.06	43.13	7.01	Peak	254	16																																												
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).																																																					



Unwanted Emissions

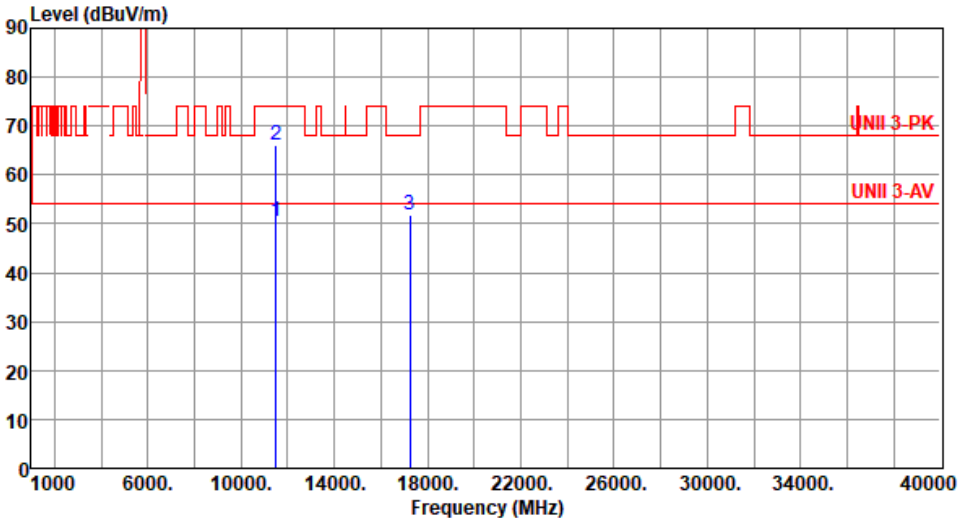
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5745																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>11490.00</td><td>48.72</td><td>54.00</td><td>-5.28</td><td>39.49</td><td>9.23</td><td>Average</td><td>161</td><td>305</td></tr><tr><td>2</td><td>11490.00</td><td>64.79</td><td>74.00</td><td>-9.21</td><td>55.56</td><td>9.23</td><td>Peak</td><td>161</td><td>305</td></tr><tr><td>3</td><td>17235.00</td><td>57.88</td><td>68.20</td><td>-10.32</td><td>50.60</td><td>7.28</td><td>Peak</td><td>124</td><td>341</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	11490.00	48.72	54.00	-5.28	39.49	9.23	Average	161	305	2	11490.00	64.79	74.00	-9.21	55.56	9.23	Peak	161	305	3	17235.00	57.88	68.20	-10.32	50.60	7.28	Peak	124	341
	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	11490.00	48.72	54.00	-5.28	39.49	9.23	Average	161	305																																		
2	11490.00	64.79	74.00	-9.21	55.56	9.23	Peak	161	305																																		
3	17235.00	57.88	68.20	-10.32	50.60	7.28	Peak	124	341																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5745																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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>11490.00</td><td>50.48</td><td>54.00</td><td>-3.52</td><td>41.25</td><td>9.23</td><td>Average</td><td>156</td><td>349</td></tr><tr><td>2</td><td>11490.00</td><td>66.05</td><td>74.00</td><td>-7.95</td><td>56.82</td><td>9.23</td><td>Peak</td><td>156</td><td>349</td></tr><tr><td>3</td><td>17235.00</td><td>51.74</td><td>68.20</td><td>-16.46</td><td>44.46</td><td>7.28</td><td>Peak</td><td>309</td><td>168</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	11490.00	50.48	54.00	-3.52	41.25	9.23	Average	156	349	2	11490.00	66.05	74.00	-7.95	56.82	9.23	Peak	156	349	3	17235.00	51.74	68.20	-16.46	44.46	7.28	Peak	309	168
	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	11490.00	50.48	54.00	-3.52	41.25	9.23	Average	156	349																																		
2	11490.00	66.05	74.00	-7.95	56.82	9.23	Peak	156	349																																		
3	17235.00	51.74	68.20	-16.46	44.46	7.28	Peak	309	168																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5785						
Polarization	Horizontal								
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65									
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	11570.00	48.79	54.00	-5.21	39.73	9.06	Average	181	304
2	11570.00	64.91	74.00	-9.09	55.85	9.06	Peak	181	304
3	17355.00	58.02	68.20	-10.18	50.34	7.68	Peak	129	331

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).



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5785																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>11570.00</td><td>50.54</td><td>54.00</td><td>-3.46</td><td>41.48</td><td>9.06</td><td>Average</td><td>181</td><td>352</td></tr><tr><td>2</td><td>11570.00</td><td>66.15</td><td>74.00</td><td>-7.85</td><td>57.09</td><td>9.06</td><td>Peak</td><td>181</td><td>352</td></tr><tr><td>3</td><td>17355.00</td><td>51.95</td><td>68.20</td><td>-16.25</td><td>44.27</td><td>7.68</td><td>Peak</td><td>304</td><td>182</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	11570.00	50.54	54.00	-3.46	41.48	9.06	Average	181	352	2	11570.00	66.15	74.00	-7.85	57.09	9.06	Peak	181	352	3	17355.00	51.95	68.20	-16.25	44.27	7.68	Peak	304	182
	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	11570.00	50.54	54.00	-3.46	41.48	9.06	Average	181	352																																		
2	11570.00	66.15	74.00	-7.85	57.09	9.06	Peak	181	352																																		
3	17355.00	51.95	68.20	-16.25	44.27	7.68	Peak	304	182																																		
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).																																											



Unwanted Emissions

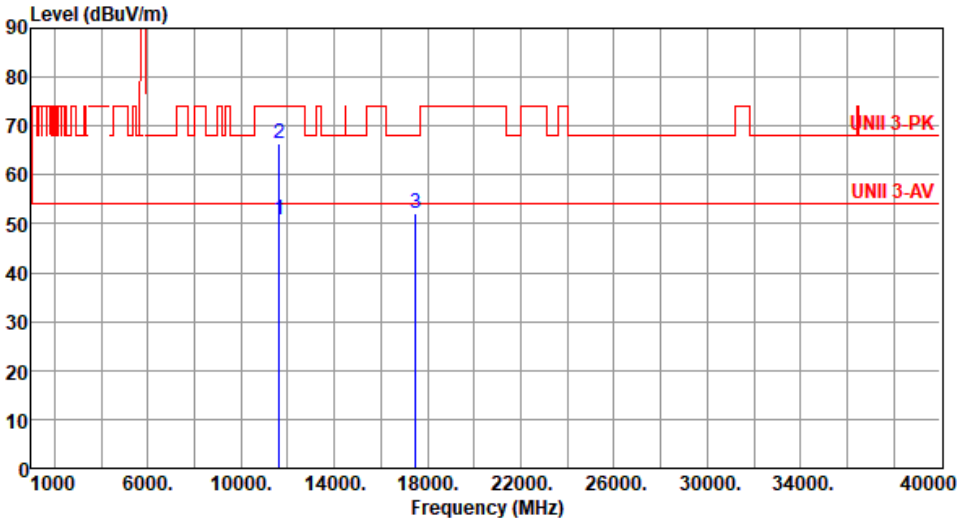
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5825																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
Level (dBuV/m) UNII 3-PK UNII 3-AV 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>11650.00</td><td>48.84</td><td>54.00</td><td>-5.16</td><td>40.18</td><td>8.66</td><td>Average</td><td>166</td><td>301</td></tr><tr><td>2</td><td>11650.00</td><td>65.02</td><td>74.00</td><td>-8.98</td><td>56.36</td><td>8.66</td><td>Peak</td><td>166</td><td>301</td></tr><tr><td>3</td><td>17475.00</td><td>58.11</td><td>68.20</td><td>-10.09</td><td>49.91</td><td>8.20</td><td>Peak</td><td>131</td><td>332</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	11650.00	48.84	54.00	-5.16	40.18	8.66	Average	166	301	2	11650.00	65.02	74.00	-8.98	56.36	8.66	Peak	166	301	3	17475.00	58.11	68.20	-10.09	49.91	8.20	Peak	131	332
	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	11650.00	48.84	54.00	-5.16	40.18	8.66	Average	166	301																																		
2	11650.00	65.02	74.00	-8.98	56.36	8.66	Peak	166	301																																		
3	17475.00	58.11	68.20	-10.09	49.91	8.20	Peak	131	332																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5825																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
 <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>11650.00</td><td>50.65</td><td>54.00</td><td>-3.35</td><td>41.99</td><td>8.66</td><td>Average</td><td>162</td><td>358</td></tr><tr><td>2</td><td>11650.00</td><td>66.28</td><td>74.00</td><td>-7.72</td><td>57.62</td><td>8.66</td><td>Peak</td><td>162</td><td>358</td></tr><tr><td>3</td><td>17475.00</td><td>52.06</td><td>68.20</td><td>-16.14</td><td>43.86</td><td>8.20</td><td>Peak</td><td>297</td><td>161</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	11650.00	50.65	54.00	-3.35	41.99	8.66	Average	162	358	2	11650.00	66.28	74.00	-7.72	57.62	8.66	Peak	162	358	3	17475.00	52.06	68.20	-16.14	43.86	8.20	Peak	297	161
	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	11650.00	50.65	54.00	-3.35	41.99	8.66	Average	162	358																																		
2	11650.00	66.28	74.00	-7.72	57.62	8.66	Peak	162	358																																		
3	17475.00	52.06	68.20	-16.14	43.86	8.20	Peak	297	161																																		
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)	5190																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
Level (dBuV/m) UNI 1~2-PK UNI 1~2-AV 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>10380.00</td><td>58.32</td><td>68.20</td><td>-9.88</td><td>49.44</td><td>8.88</td><td>Peak</td><td>139</td><td>336</td></tr><tr><td>2</td><td>15570.00</td><td>37.15</td><td>54.00</td><td>-16.85</td><td>30.82</td><td>6.33</td><td>Average</td><td>268</td><td>45</td></tr><tr><td>3</td><td>15570.00</td><td>49.91</td><td>74.00</td><td>-24.09</td><td>43.58</td><td>6.33</td><td>Peak</td><td>268</td><td>45</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	10380.00	58.32	68.20	-9.88	49.44	8.88	Peak	139	336	2	15570.00	37.15	54.00	-16.85	30.82	6.33	Average	268	45	3	15570.00	49.91	74.00	-24.09	43.58	6.33	Peak	268	45
	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	10380.00	58.32	68.20	-9.88	49.44	8.88	Peak	139	336																																		
2	15570.00	37.15	54.00	-16.85	30.82	6.33	Average	268	45																																		
3	15570.00	49.91	74.00	-24.09	43.58	6.33	Peak	268	45																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5190																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>10380.00</td><td>55.05</td><td>68.20</td><td>-13.15</td><td>46.17</td><td>8.88</td><td>Peak</td><td>126</td><td>169</td></tr><tr><td>2</td><td>15570.00</td><td>35.95</td><td>54.00</td><td>-18.05</td><td>29.62</td><td>6.33</td><td>Average</td><td>301</td><td>142</td></tr><tr><td>3</td><td>15570.00</td><td>48.98</td><td>74.00</td><td>-25.02</td><td>42.65</td><td>6.33</td><td>Peak</td><td>301</td><td>142</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	10380.00	55.05	68.20	-13.15	46.17	8.88	Peak	126	169	2	15570.00	35.95	54.00	-18.05	29.62	6.33	Average	301	142	3	15570.00	48.98	74.00	-25.02	42.65	6.33	Peak	301	142
	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	10380.00	55.05	68.20	-13.15	46.17	8.88	Peak	126	169																																		
2	15570.00	35.95	54.00	-18.05	29.62	6.33	Average	301	142																																		
3	15570.00	48.98	74.00	-25.02	42.65	6.33	Peak	301	142																																		
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 :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
Level (dBuV/m) UNII 1~2-PK UNII 1~2-AV 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>10460.00</td><td>57.42</td><td>68.20</td><td>-10.78</td><td>48.27</td><td>9.15</td><td>Peak</td><td>155</td><td>352</td></tr><tr><td>2</td><td>15690.00</td><td>36.44</td><td>54.00</td><td>-17.56</td><td>30.19</td><td>6.25</td><td>Average</td><td>266</td><td>58</td></tr><tr><td>3</td><td>15690.00</td><td>49.35</td><td>74.00</td><td>-24.65</td><td>43.10</td><td>6.25</td><td>Peak</td><td>266</td><td>58</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	10460.00	57.42	68.20	-10.78	48.27	9.15	Peak	155	352	2	15690.00	36.44	54.00	-17.56	30.19	6.25	Average	266	58	3	15690.00	49.35	74.00	-24.65	43.10	6.25	Peak	266	58
	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	10460.00	57.42	68.20	-10.78	48.27	9.15	Peak	155	352																																		
2	15690.00	36.44	54.00	-17.56	30.19	6.25	Average	266	58																																		
3	15690.00	49.35	74.00	-24.65	43.10	6.25	Peak	266	58																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5230																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>10460.00</td><td>54.08</td><td>68.20</td><td>-14.12</td><td>44.93</td><td>9.15</td><td>Peak</td><td>112</td><td>147</td></tr><tr><td>2</td><td>15690.00</td><td>34.91</td><td>54.00</td><td>-19.09</td><td>28.66</td><td>6.25</td><td>Average</td><td>295</td><td>122</td></tr><tr><td>3</td><td>15690.00</td><td>48.14</td><td>74.00</td><td>-25.86</td><td>41.89</td><td>6.25</td><td>Peak</td><td>295</td><td>122</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	10460.00	54.08	68.20	-14.12	44.93	9.15	Peak	112	147	2	15690.00	34.91	54.00	-19.09	28.66	6.25	Average	295	122	3	15690.00	48.14	74.00	-25.86	41.89	6.25	Peak	295	122
	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	10460.00	54.08	68.20	-14.12	44.93	9.15	Peak	112	147																																		
2	15690.00	34.91	54.00	-19.09	28.66	6.25	Average	295	122																																		
3	15690.00	48.14	74.00	-25.86	41.89	6.25	Peak	295	122																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5270
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) <			

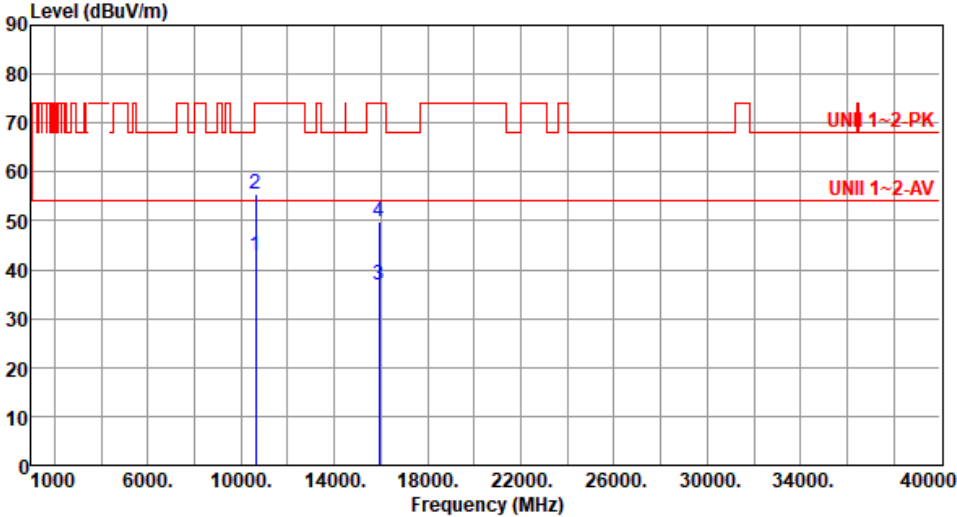


Unwanted Emissions

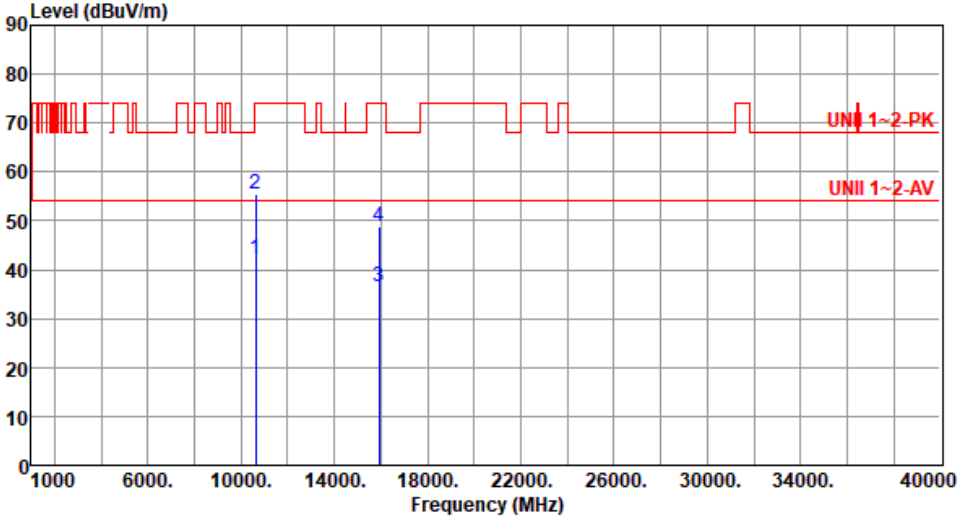
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5270																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>10540.00</td><td>55.82</td><td>68.20</td><td>-12.38</td><td>46.66</td><td>9.16</td><td>Peak</td><td>167</td><td>25</td></tr><tr><td>2</td><td>15810.00</td><td>36.59</td><td>54.00</td><td>-17.41</td><td>30.63</td><td>5.96</td><td>Average</td><td>286</td><td>44</td></tr><tr><td>3</td><td>15810.00</td><td>49.11</td><td>74.00</td><td>-24.89</td><td>43.15</td><td>5.96</td><td>Peak</td><td>286</td><td>44</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	10540.00	55.82	68.20	-12.38	46.66	9.16	Peak	167	25	2	15810.00	36.59	54.00	-17.41	30.63	5.96	Average	286	44	3	15810.00	49.11	74.00	-24.89	43.15	5.96	Peak	286	44
	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	10540.00	55.82	68.20	-12.38	46.66	9.16	Peak	167	25																																		
2	15810.00	36.59	54.00	-17.41	30.63	5.96	Average	286	44																																		
3	15810.00	49.11	74.00	-24.89	43.15	5.96	Peak	286	44																																		
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)	5310																																																		
Polarization	Horizontal																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
																																																					
	<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>10620.00</td><td>42.88</td><td>54.00</td><td>-11.12</td><td>33.59</td><td>9.29</td><td>Average</td><td>112</td><td>345</td></tr><tr><td>2</td><td>10620.00</td><td>55.62</td><td>74.00</td><td>-18.38</td><td>46.33</td><td>9.29</td><td>Peak</td><td>112</td><td>345</td></tr><tr><td>3</td><td>15930.00</td><td>36.79</td><td>54.00</td><td>-17.21</td><td>30.45</td><td>6.34</td><td>Average</td><td>156</td><td>14</td></tr><tr><td>4</td><td>15930.00</td><td>49.82</td><td>74.00</td><td>-24.18</td><td>43.48</td><td>6.34</td><td>Peak</td><td>156</td><td>14</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	10620.00	42.88	54.00	-11.12	33.59	9.29	Average	112	345	2	10620.00	55.62	74.00	-18.38	46.33	9.29	Peak	112	345	3	15930.00	36.79	54.00	-17.21	30.45	6.34	Average	156	14	4	15930.00	49.82	74.00	-24.18	43.48	6.34	Peak	156	14		
	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	10620.00	42.88	54.00	-11.12	33.59	9.29	Average	112	345																																												
2	10620.00	55.62	74.00	-18.38	46.33	9.29	Peak	112	345																																												
3	15930.00	36.79	54.00	-17.21	30.45	6.34	Average	156	14																																												
4	15930.00	49.82	74.00	-24.18	43.48	6.34	Peak	156	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	ax HE40	Test Freq. (MHz)	5310																																																		
Polarization	Vertical																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
 <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>10620.00</td><td>42.25</td><td>54.00</td><td>-11.75</td><td>32.96</td><td>9.29</td><td>Average</td><td>184</td><td>9</td></tr><tr><td>2</td><td>10620.00</td><td>55.56</td><td>74.00</td><td>-18.44</td><td>46.27</td><td>9.29</td><td>Peak</td><td>184</td><td>9</td></tr><tr><td>3</td><td>15930.00</td><td>36.52</td><td>54.00</td><td>-17.48</td><td>30.18</td><td>6.34</td><td>Average</td><td>318</td><td>42</td></tr><tr><td>4</td><td>15930.00</td><td>48.92</td><td>74.00</td><td>-25.08</td><td>42.58</td><td>6.34</td><td>Peak</td><td>318</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	10620.00	42.25	54.00	-11.75	32.96	9.29	Average	184	9	2	10620.00	55.56	74.00	-18.44	46.27	9.29	Peak	184	9	3	15930.00	36.52	54.00	-17.48	30.18	6.34	Average	318	42	4	15930.00	48.92	74.00	-25.08	42.58	6.34	Peak	318	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	10620.00	42.25	54.00	-11.75	32.96	9.29	Average	184	9																																												
2	10620.00	55.56	74.00	-18.44	46.27	9.29	Peak	184	9																																												
3	15930.00	36.52	54.00	-17.48	30.18	6.34	Average	318	42																																												
4	15930.00	48.92	74.00	-25.08	42.58	6.34	Peak	318	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).																																																					



Unwanted Emissions

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5510																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>11020.00</td><td>44.33</td><td>54.00</td><td>-9.67</td><td>34.68</td><td>9.65</td><td>Average</td><td>217</td><td>305</td></tr><tr><td>2</td><td>11020.00</td><td>56.77</td><td>74.00</td><td>-17.23</td><td>47.12</td><td>9.65</td><td>Peak</td><td>217</td><td>305</td></tr><tr><td>3</td><td>16530.00</td><td>50.16</td><td>68.20</td><td>-18.04</td><td>42.79</td><td>7.37</td><td>Peak</td><td>209</td><td>287</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	11020.00	44.33	54.00	-9.67	34.68	9.65	Average	217	305	2	11020.00	56.77	74.00	-17.23	47.12	9.65	Peak	217	305	3	16530.00	50.16	68.20	-18.04	42.79	7.37	Peak	209	287
	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	11020.00	44.33	54.00	-9.67	34.68	9.65	Average	217	305																																		
2	11020.00	56.77	74.00	-17.23	47.12	9.65	Peak	217	305																																		
3	16530.00	50.16	68.20	-18.04	42.79	7.37	Peak	209	287																																		
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).																																											

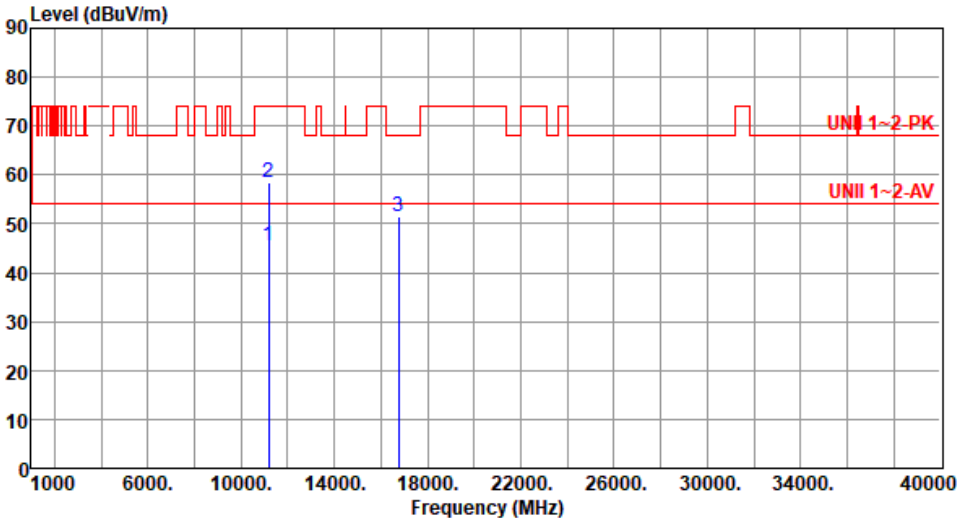


Modulation	ax HE40	Test Freq. (MHz)	5510																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<table><tr><th></th><th>Freq. MHz</th><th>Emission level dBUV/m</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>11020.00</td><td>42.89</td><td>54.00</td><td>-11.11</td><td>33.24</td><td>9.65</td><td>Average</td><td>219</td><td>41</td></tr><tr><td>2</td><td>11020.00</td><td>56.93</td><td>74.00</td><td>-17.07</td><td>47.28</td><td>9.65</td><td>Peak</td><td>219</td><td>41</td></tr><tr><td>3</td><td>16530.00</td><td>50.49</td><td>68.20</td><td>-17.71</td><td>43.12</td><td>7.37</td><td>Peak</td><td>288</td><td>46</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	11020.00	42.89	54.00	-11.11	33.24	9.65	Average	219	41	2	11020.00	56.93	74.00	-17.07	47.28	9.65	Peak	219	41	3	16530.00	50.49	68.20	-17.71	43.12	7.37	Peak	288	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	11020.00	42.89	54.00	-11.11	33.24	9.65	Average	219	41																																		
2	11020.00	56.93	74.00	-17.07	47.28	9.65	Peak	219	41																																		
3	16530.00	50.49	68.20	-17.71	43.12	7.37	Peak	288	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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5590																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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>11180.00</td><td>45.61</td><td>54.00</td><td>-8.39</td><td>36.51</td><td>9.10</td><td>Average</td><td>226</td><td>317</td></tr><tr><td>2</td><td>11180.00</td><td>58.33</td><td>74.00</td><td>-15.67</td><td>49.23</td><td>9.10</td><td>Peak</td><td>226</td><td>317</td></tr><tr><td>3</td><td>16770.00</td><td>51.42</td><td>68.20</td><td>-16.78</td><td>43.86</td><td>7.56</td><td>Peak</td><td>251</td><td>295</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	11180.00	45.61	54.00	-8.39	36.51	9.10	Average	226	317	2	11180.00	58.33	74.00	-15.67	49.23	9.10	Peak	226	317	3	16770.00	51.42	68.20	-16.78	43.86	7.56	Peak	251	295
	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	11180.00	45.61	54.00	-8.39	36.51	9.10	Average	226	317																																		
2	11180.00	58.33	74.00	-15.67	49.23	9.10	Peak	226	317																																		
3	16770.00	51.42	68.20	-16.78	43.86	7.56	Peak	251	295																																		
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Unwanted Emissions

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5590
Polarization	Vertical		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			



Unwanted Emissions

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5670																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
<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>11340.00</td><td>45.58</td><td>54.00</td><td>-8.42</td><td>36.48</td><td>9.10</td><td>Average</td><td>223</td><td>315</td></tr><tr><td>2</td><td>11340.00</td><td>58.16</td><td>74.00</td><td>-15.84</td><td>49.06</td><td>9.10</td><td>Peak</td><td>223</td><td>315</td></tr><tr><td>3</td><td>17010.00</td><td>51.68</td><td>68.20</td><td>-16.52</td><td>44.08</td><td>7.60</td><td>Peak</td><td>229</td><td>286</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	11340.00	45.58	54.00	-8.42	36.48	9.10	Average	223	315	2	11340.00	58.16	74.00	-15.84	49.06	9.10	Peak	223	315	3	17010.00	51.68	68.20	-16.52	44.08	7.60	Peak	229	286
	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	11340.00	45.58	54.00	-8.42	36.48	9.10	Average	223	315																																		
2	11340.00	58.16	74.00	-15.84	49.06	9.10	Peak	223	315																																		
3	17010.00	51.68	68.20	-16.52	44.08	7.60	Peak	229	286																																		
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).																																											



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Unwanted Emissions

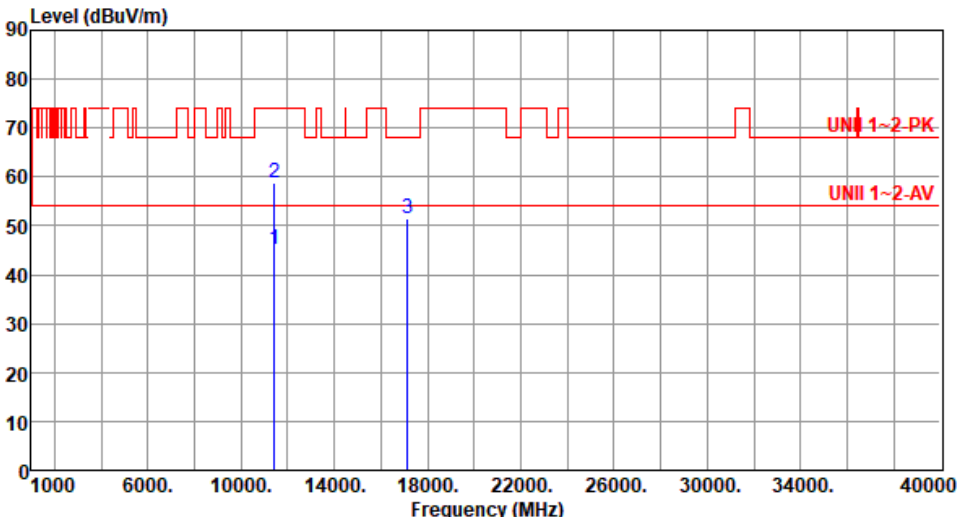
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5710
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65			
Level (dBuV/m)			



Unwanted Emissions

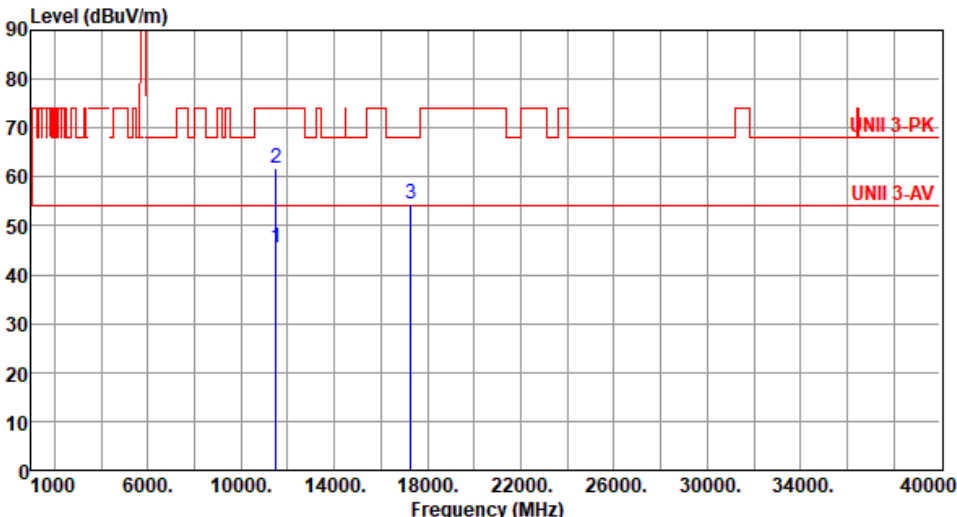
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5710																																																		
Polarization	Vertical																																																				
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																																					
Level (dBuV/m)  <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>11420.00</td><td>45.04</td><td>54.00</td><td>-8.96</td><td>35.91</td><td>9.13</td><td>Average</td><td>209</td><td>51</td></tr><tr><td>2</td><td>11420.00</td><td>58.80</td><td>74.00</td><td>-15.20</td><td>49.67</td><td>9.13</td><td>Peak</td><td>209</td><td>51</td></tr><tr><td>3</td><td>17130.00</td><td>51.48</td><td>68.20</td><td>-16.72</td><td>44.44</td><td>7.04</td><td>Peak</td><td>251</td><td>11</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	11420.00	45.04	54.00	-8.96	35.91	9.13	Average	209	51	2	11420.00	58.80	74.00	-15.20	49.67	9.13	Peak	209	51	3	17130.00	51.48	68.20	-16.72	44.44	7.04	Peak	251	11
	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	11420.00	45.04	54.00	-8.96	35.91	9.13	Average	209	51																																												
2	11420.00	58.80	74.00	-15.20	49.67	9.13	Peak	209	51																																												
3	17130.00	51.48	68.20	-16.72	44.44	7.04	Peak	251	11																																												
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).																																																					



Unwanted Emissions

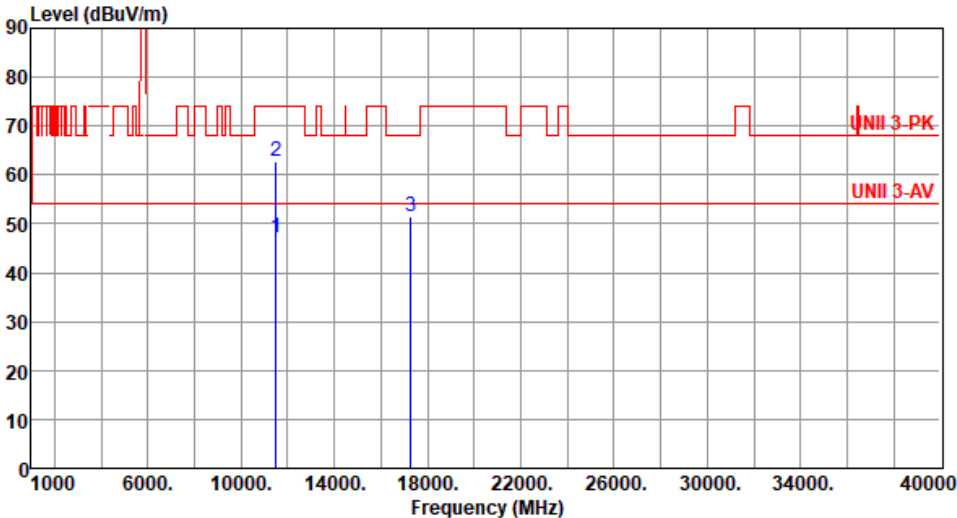
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5755																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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>11510.00</td><td>45.62</td><td>54.00</td><td>-8.38</td><td>36.40</td><td>9.22</td><td>Average</td><td>154</td><td>299</td></tr><tr><td>2</td><td>11510.00</td><td>61.66</td><td>74.00</td><td>-12.34</td><td>52.44</td><td>9.22</td><td>Peak</td><td>154</td><td>299</td></tr><tr><td>3</td><td>17265.00</td><td>54.62</td><td>68.20</td><td>-13.58</td><td>47.28</td><td>7.34</td><td>Peak</td><td>134</td><td>326</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	11510.00	45.62	54.00	-8.38	36.40	9.22	Average	154	299	2	11510.00	61.66	74.00	-12.34	52.44	9.22	Peak	154	299	3	17265.00	54.62	68.20	-13.58	47.28	7.34	Peak	134	326
	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	11510.00	45.62	54.00	-8.38	36.40	9.22	Average	154	299																																		
2	11510.00	61.66	74.00	-12.34	52.44	9.22	Peak	154	299																																		
3	17265.00	54.62	68.20	-13.58	47.28	7.34	Peak	134	326																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5755																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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>11510.00</td><td>47.26</td><td>54.00</td><td>-6.74</td><td>38.04</td><td>9.22</td><td>Average</td><td>148</td><td>344</td></tr><tr><td>2</td><td>11510.00</td><td>62.84</td><td>74.00</td><td>-11.16</td><td>53.62</td><td>9.22</td><td>Peak</td><td>148</td><td>344</td></tr><tr><td>3</td><td>17265.00</td><td>51.62</td><td>68.20</td><td>-16.58</td><td>44.28</td><td>7.34</td><td>Peak</td><td>284</td><td>161</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	11510.00	47.26	54.00	-6.74	38.04	9.22	Average	148	344	2	11510.00	62.84	74.00	-11.16	53.62	9.22	Peak	148	344	3	17265.00	51.62	68.20	-16.58	44.28	7.34	Peak	284	161
	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	11510.00	47.26	54.00	-6.74	38.04	9.22	Average	148	344																																		
2	11510.00	62.84	74.00	-11.16	53.62	9.22	Peak	148	344																																		
3	17265.00	51.62	68.20	-16.58	44.28	7.34	Peak	284	161																																		
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).																																											



Unwanted Emissions

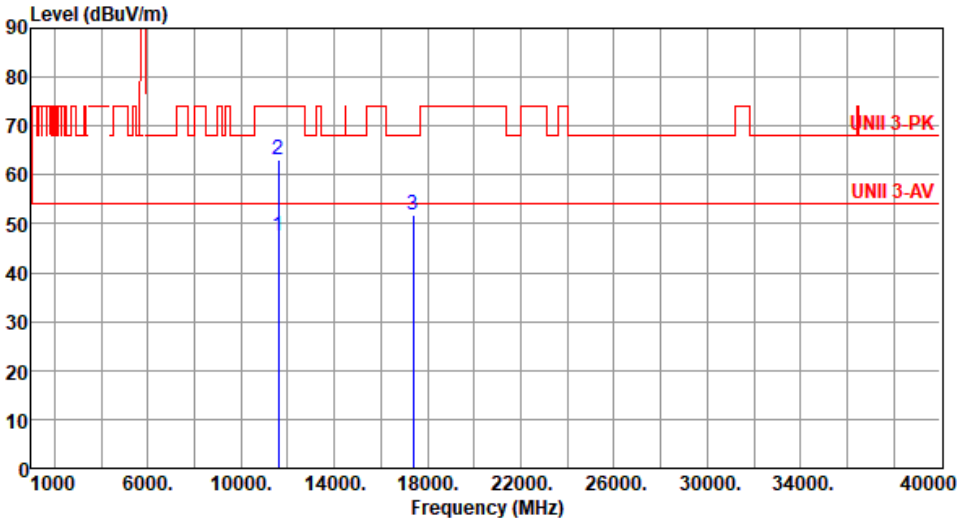
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5795																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):24 Humidity(%):65																																											
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>11590.00</td><td>45.74</td><td>54.00</td><td>-8.26</td><td>36.75</td><td>8.99</td><td>Average</td><td>146</td><td>283</td></tr><tr><td>2</td><td>11590.00</td><td>61.75</td><td>74.00</td><td>-12.25</td><td>52.76</td><td>8.99</td><td>Peak</td><td>146</td><td>283</td></tr><tr><td>3</td><td>17385.00</td><td>54.71</td><td>68.20</td><td>-13.49</td><td>46.83</td><td>7.88</td><td>Peak</td><td>126</td><td>314</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	11590.00	45.74	54.00	-8.26	36.75	8.99	Average	146	283	2	11590.00	61.75	74.00	-12.25	52.76	8.99	Peak	146	283	3	17385.00	54.71	68.20	-13.49	46.83	7.88	Peak	126	314
	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	11590.00	45.74	54.00	-8.26	36.75	8.99	Average	146	283																																		
2	11590.00	61.75	74.00	-12.25	52.76	8.99	Peak	146	283																																		
3	17385.00	54.71	68.20	-13.49	46.83	7.88	Peak	126	314																																		
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).																																											



Unwanted Emissions

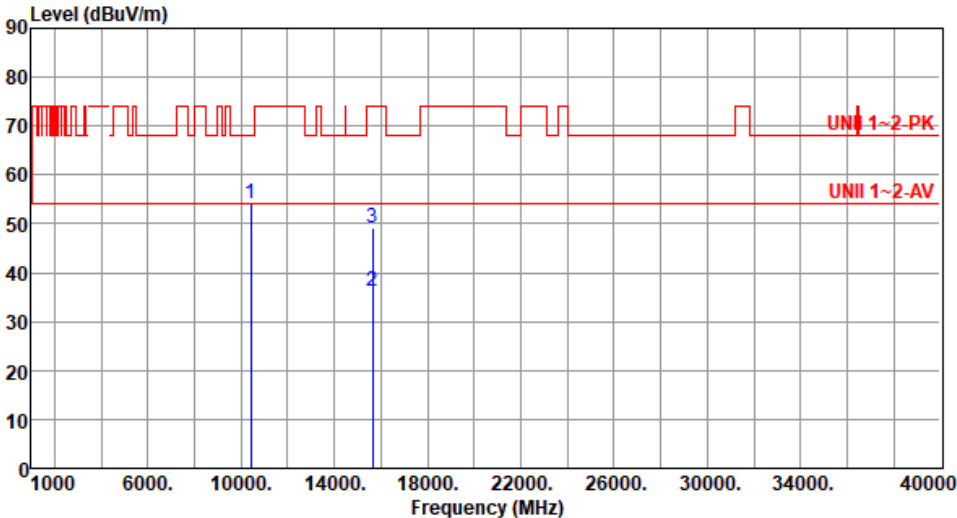
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5795																																														
Polarization	Vertical																																																
Test By :Brad Wu-		Temperature(°C):24		Humidity(%):65																																													
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>11590.00</td><td>47.41</td><td>54.00</td><td>-6.59</td><td>38.42</td><td>8.99</td><td>Average</td><td>136</td><td>329</td></tr><tr><td>2</td><td>11590.00</td><td>62.95</td><td>74.00</td><td>-11.05</td><td>53.96</td><td>8.99</td><td>Peak</td><td>136</td><td>329</td></tr><tr><td>3</td><td>17385.00</td><td>51.74</td><td>68.20</td><td>-16.46</td><td>43.86</td><td>7.88</td><td>Peak</td><td>265</td><td>157</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	11590.00	47.41	54.00	-6.59	38.42	8.99	Average	136	329	2	11590.00	62.95	74.00	-11.05	53.96	8.99	Peak	136	329	3	17385.00	51.74	68.20	-16.46	43.86	7.88	Peak	265	157
	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	11590.00	47.41	54.00	-6.59	38.42	8.99	Average	136	329																																								
2	11590.00	62.95	74.00	-11.05	53.96	8.99	Peak	136	329																																								
3	17385.00	51.74	68.20	-16.46	43.86	7.88	Peak	265	157																																								
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).																																																	



Unwanted Emissions

Appendix D

Modulation	ax HE80	Test Freq. (MHz)	5210																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):23 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>10420.00</td><td>54.21</td><td>68.20</td><td>-13.99</td><td>45.21</td><td>9.00</td><td>Peak</td><td>154</td><td>349</td></tr><tr><td>2</td><td>15630.00</td><td>36.25</td><td>54.00</td><td>-17.75</td><td>30.06</td><td>6.19</td><td>Average</td><td>261</td><td>63</td></tr><tr><td>3</td><td>15630.00</td><td>49.12</td><td>74.00</td><td>-24.88</td><td>42.93</td><td>6.19</td><td>Peak</td><td>261</td><td>63</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	10420.00	54.21	68.20	-13.99	45.21	9.00	Peak	154	349	2	15630.00	36.25	54.00	-17.75	30.06	6.19	Average	261	63	3	15630.00	49.12	74.00	-24.88	42.93	6.19	Peak	261	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	10420.00	54.21	68.20	-13.99	45.21	9.00	Peak	154	349																																		
2	15630.00	36.25	54.00	-17.75	30.06	6.19	Average	261	63																																		
3	15630.00	49.12	74.00	-24.88	42.93	6.19	Peak	261	63																																		
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).																																											



Unwanted Emissions

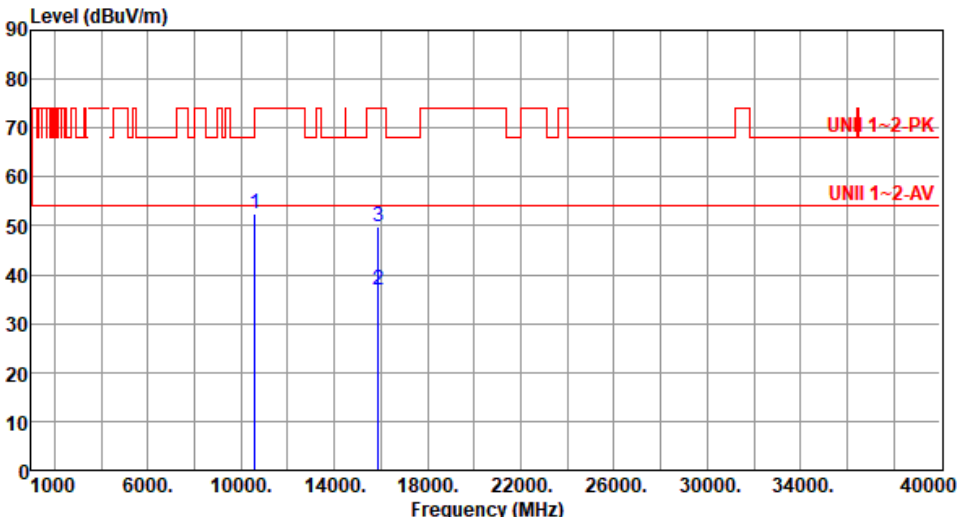
Appendix D

Modulation	ax HE80	Test Freq. (MHz)	5210																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63																																											
<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>10420.00</td><td>51.16</td><td>68.20</td><td>-17.04</td><td>42.16</td><td>9.00</td><td>Peak</td><td>110</td><td>141</td></tr><tr><td>2</td><td>15630.00</td><td>34.82</td><td>54.00</td><td>-19.18</td><td>28.63</td><td>6.19</td><td>Average</td><td>285</td><td>131</td></tr><tr><td>3</td><td>15630.00</td><td>48.06</td><td>74.00</td><td>-25.94</td><td>41.87</td><td>6.19</td><td>Peak</td><td>285</td><td>131</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	10420.00	51.16	68.20	-17.04	42.16	9.00	Peak	110	141	2	15630.00	34.82	54.00	-19.18	28.63	6.19	Average	285	131	3	15630.00	48.06	74.00	-25.94	41.87	6.19	Peak	285	131
	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	10420.00	51.16	68.20	-17.04	42.16	9.00	Peak	110	141																																		
2	15630.00	34.82	54.00	-19.18	28.63	6.19	Average	285	131																																		
3	15630.00	48.06	74.00	-25.94	41.87	6.19	Peak	285	131																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE80	Test Freq. (MHz)	5290																																																												
Polarization	Horizontal																																																														
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63																																																															
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>10580.00</td><td>52.46</td><td>68.20</td><td>-15.74</td><td>43.26</td><td>9.20</td><td>Peak</td><td>111</td><td>348</td></tr><tr><td>2</td><td>15870.00</td><td>36.84</td><td>54.00</td><td>-17.16</td><td>30.66</td><td>6.18</td><td>Average</td><td>155</td><td>24</td></tr><tr><td>3</td><td>15870.00</td><td>49.79</td><td>74.00</td><td>-24.21</td><td>43.61</td><td>6.18</td><td>Peak</td><td>155</td><td>24</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	10580.00	52.46	68.20	-15.74	43.26	9.20	Peak	111	348	2	15870.00	36.84	54.00	-17.16	30.66	6.18	Average	155	24	3	15870.00	49.79	74.00	-24.21	43.61	6.18	Peak	155	24
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																						
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																						
								cm	deg																																																						
1	10580.00	52.46	68.20	-15.74	43.26	9.20	Peak	111	348																																																						
2	15870.00	36.84	54.00	-17.16	30.66	6.18	Average	155	24																																																						
3	15870.00	49.79	74.00	-24.21	43.61	6.18	Peak	155	24																																																						
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).																																																															



Unwanted Emissions

Appendix D

Modulation	ax HE80	Test Freq. (MHz)	5290																																																		
Polarization	Vertical																																																				
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63																																																					
Level (dBuV/m) UNI 1~2-PK UNI 1~2-AV 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>10580.00</td><td>52.49</td><td>68.20</td><td>-15.71</td><td>43.29</td><td>9.20</td><td>Peak</td><td>156</td><td>24</td></tr><tr><td>2</td><td>15870.00</td><td>36.51</td><td>54.00</td><td>-17.49</td><td>30.33</td><td>6.18</td><td>Average</td><td>275</td><td>39</td></tr><tr><td>3</td><td>15870.00</td><td>49.02</td><td>74.00</td><td>-24.98</td><td>42.84</td><td>6.18</td><td>Peak</td><td>275</td><td>39</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	10580.00	52.49	68.20	-15.71	43.29	9.20	Peak	156	24	2	15870.00	36.51	54.00	-17.49	30.33	6.18	Average	275	39	3	15870.00	49.02	74.00	-24.98	42.84	6.18	Peak	275	39
	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	10580.00	52.49	68.20	-15.71	43.29	9.20	Peak	156	24																																												
2	15870.00	36.51	54.00	-17.49	30.33	6.18	Average	275	39																																												
3	15870.00	49.02	74.00	-24.98	42.84	6.18	Peak	275	39																																												
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).																																																					

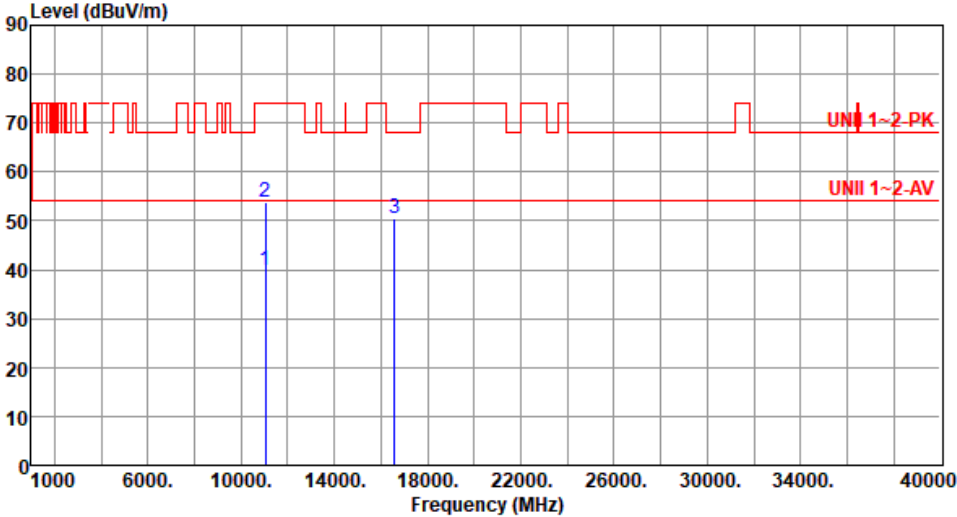


Unwanted Emissions

Appendix D

Modulation	ax HE80	Test Freq. (MHz)	5530																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):23 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>11060.00</td><td>41.29</td><td>54.00</td><td>-12.71</td><td>31.76</td><td>9.53</td><td>Average</td><td>214</td><td>301</td></tr><tr><td>2</td><td>11060.00</td><td>53.81</td><td>74.00</td><td>-20.19</td><td>44.28</td><td>9.53</td><td>Peak</td><td>214</td><td>301</td></tr><tr><td>3</td><td>16590.00</td><td>50.02</td><td>68.20</td><td>-18.18</td><td>42.59</td><td>7.43</td><td>Peak</td><td>211</td><td>294</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	11060.00	41.29	54.00	-12.71	31.76	9.53	Average	214	301	2	11060.00	53.81	74.00	-20.19	44.28	9.53	Peak	214	301	3	16590.00	50.02	68.20	-18.18	42.59	7.43	Peak	211	294
	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	11060.00	41.29	54.00	-12.71	31.76	9.53	Average	214	301																																		
2	11060.00	53.81	74.00	-20.19	44.28	9.53	Peak	214	301																																		
3	16590.00	50.02	68.20	-18.18	42.59	7.43	Peak	211	294																																		
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)	5530																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63																																											
 <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>11060.00</td><td>39.84</td><td>54.00</td><td>-14.16</td><td>30.31</td><td>9.53</td><td>Average</td><td>225</td><td>36</td></tr><tr><td>2</td><td>11060.00</td><td>53.88</td><td>74.00</td><td>-20.12</td><td>44.35</td><td>9.53</td><td>Peak</td><td>225</td><td>36</td></tr><tr><td>3</td><td>16590.00</td><td>50.36</td><td>68.20</td><td>-17.84</td><td>42.93</td><td>7.43</td><td>Peak</td><td>295</td><td>51</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	11060.00	39.84	54.00	-14.16	30.31	9.53	Average	225	36	2	11060.00	53.88	74.00	-20.12	44.35	9.53	Peak	225	36	3	16590.00	50.36	68.20	-17.84	42.93	7.43	Peak	295	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	11060.00	39.84	54.00	-14.16	30.31	9.53	Average	225	36																																		
2	11060.00	53.88	74.00	-20.12	44.35	9.53	Peak	225	36																																		
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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)	5610																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63																																											
<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>11220.00</td><td>41.36</td><td>54.00</td><td>-12.64</td><td>32.31</td><td>9.05</td><td>Average</td><td>219</td><td>305</td></tr><tr><td>2</td><td>11220.00</td><td>53.92</td><td>74.00</td><td>-20.08</td><td>44.87</td><td>9.05</td><td>Peak</td><td>219</td><td>305</td></tr><tr><td>3</td><td>16830.00</td><td>50.15</td><td>68.20</td><td>-18.05</td><td>42.48</td><td>7.67</td><td>Peak</td><td>223</td><td>289</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	11220.00	41.36	54.00	-12.64	32.31	9.05	Average	219	305	2	11220.00	53.92	74.00	-20.08	44.87	9.05	Peak	219	305	3	16830.00	50.15	68.20	-18.05	42.48	7.67	Peak	223	289
	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	11220.00	41.36	54.00	-12.64	32.31	9.05	Average	219	305																																		
2	11220.00	53.92	74.00	-20.08	44.87	9.05	Peak	219	305																																		
3	16830.00	50.15	68.20	-18.05	42.48	7.67	Peak	223	289																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE80	Test Freq. (MHz)	5610																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63																																											
<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>11220.00</td><td>39.91</td><td>54.00</td><td>-14.09</td><td>30.86</td><td>9.05</td><td>Average</td><td>221</td><td>44</td></tr><tr><td>2</td><td>11220.00</td><td>53.96</td><td>74.00</td><td>-20.04</td><td>44.91</td><td>9.05</td><td>Peak</td><td>221</td><td>44</td></tr><tr><td>3</td><td>16830.00</td><td>50.48</td><td>68.20</td><td>-17.72</td><td>42.81</td><td>7.67</td><td>Peak</td><td>291</td><td>28</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	11220.00	39.91	54.00	-14.09	30.86	9.05	Average	221	44	2	11220.00	53.96	74.00	-20.04	44.91	9.05	Peak	221	44	3	16830.00	50.48	68.20	-17.72	42.81	7.67	Peak	291	28
	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	11220.00	39.91	54.00	-14.09	30.86	9.05	Average	221	44																																		
2	11220.00	53.96	74.00	-20.04	44.91	9.05	Peak	221	44																																		
3	16830.00	50.48	68.20	-17.72	42.81	7.67	Peak	291	28																																		
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).																																											

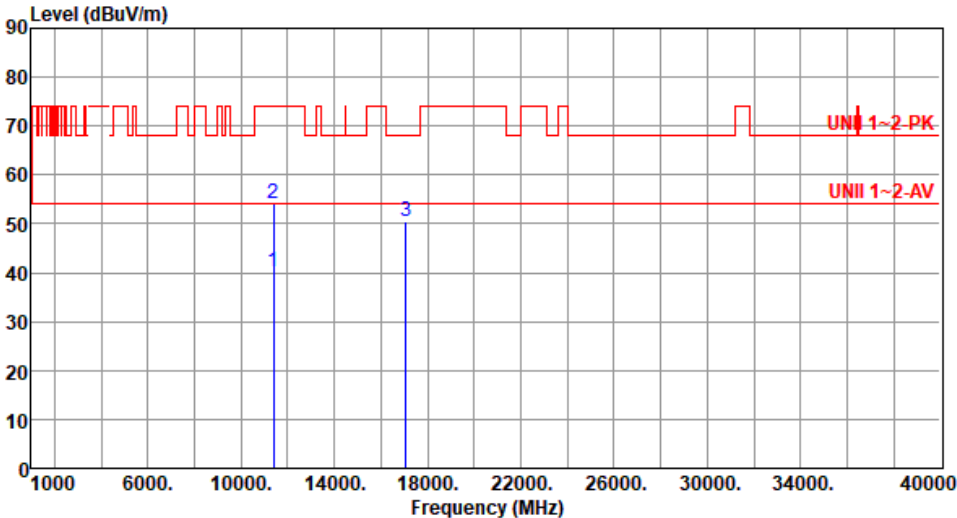


Modulation	ax HE80	Test Freq. (MHz)	5690
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63			
Level (dBUV/m) <			



Unwanted Emissions

Appendix D

Modulation	ax HE80	Test Freq. (MHz)	5690																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63																																											
 <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>11380.00</td><td>40.15</td><td>54.00</td><td>-13.85</td><td>31.05</td><td>9.10</td><td>Average</td><td>203</td><td>51</td></tr><tr><td>2</td><td>11380.00</td><td>54.02</td><td>74.00</td><td>-19.98</td><td>44.92</td><td>9.10</td><td>Peak</td><td>203</td><td>51</td></tr><tr><td>3</td><td>17070.00</td><td>50.32</td><td>68.20</td><td>-17.88</td><td>42.95</td><td>7.37</td><td>Peak</td><td>256</td><td>21</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	11380.00	40.15	54.00	-13.85	31.05	9.10	Average	203	51	2	11380.00	54.02	74.00	-19.98	44.92	9.10	Peak	203	51	3	17070.00	50.32	68.20	-17.88	42.95	7.37	Peak	256	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	11380.00	40.15	54.00	-13.85	31.05	9.10	Average	203	51																																		
2	11380.00	54.02	74.00	-19.98	44.92	9.10	Peak	203	51																																		
3	17070.00	50.32	68.20	-17.88	42.95	7.37	Peak	256	21																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE80	Test Freq. (MHz)	5775																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63																																											
Level (dBuV/m) UNII 3-PK UNII 3-AV 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>11550.00</td><td>40.81</td><td>54.00</td><td>-13.19</td><td>31.66</td><td>9.15</td><td>Average</td><td>151</td><td>302</td></tr><tr><td>2</td><td>11550.00</td><td>56.84</td><td>74.00</td><td>-17.16</td><td>47.69</td><td>9.15</td><td>Peak</td><td>151</td><td>302</td></tr><tr><td>3</td><td>17325.00</td><td>54.46</td><td>68.20</td><td>-13.74</td><td>46.92</td><td>7.54</td><td>Peak</td><td>129</td><td>315</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	11550.00	40.81	54.00	-13.19	31.66	9.15	Average	151	302	2	11550.00	56.84	74.00	-17.16	47.69	9.15	Peak	151	302	3	17325.00	54.46	68.20	-13.74	46.92	7.54	Peak	129	315
	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	11550.00	40.81	54.00	-13.19	31.66	9.15	Average	151	302																																		
2	11550.00	56.84	74.00	-17.16	47.69	9.15	Peak	151	302																																		
3	17325.00	54.46	68.20	-13.74	46.92	7.54	Peak	129	315																																		
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)	5775																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63																																											
<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>11550.00</td><td>42.85</td><td>54.00</td><td>-11.15</td><td>33.70</td><td>9.15</td><td>Average</td><td>143</td><td>329</td></tr><tr><td>2</td><td>11550.00</td><td>58.02</td><td>74.00</td><td>-15.98</td><td>48.87</td><td>9.15</td><td>Peak</td><td>143</td><td>329</td></tr><tr><td>3</td><td>17325.00</td><td>51.29</td><td>68.20</td><td>-16.91</td><td>43.75</td><td>7.54</td><td>Peak</td><td>265</td><td>159</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	11550.00	42.85	54.00	-11.15	33.70	9.15	Average	143	329	2	11550.00	58.02	74.00	-15.98	48.87	9.15	Peak	143	329	3	17325.00	51.29	68.20	-16.91	43.75	7.54	Peak	265	159
	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	11550.00	42.85	54.00	-11.15	33.70	9.15	Average	143	329																																		
2	11550.00	58.02	74.00	-15.98	48.87	9.15	Peak	143	329																																		
3	17325.00	51.29	68.20	-16.91	43.75	7.54	Peak	265	159																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE160	Test Freq. (MHz)	5250
Polarization	Horizontal		
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63			
Level (dBuV/m)			



Unwanted Emissions

Appendix D

Modulation	ax HE160	Test Freq. (MHz)	5250																																								
Polarization	Vertical																																										
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63																																											
<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>10500.00</td><td>51.18</td><td>68.20</td><td>-17.02</td><td>41.95</td><td>9.23</td><td>Peak</td><td>169</td><td>307</td></tr><tr><td>2</td><td>15750.00</td><td>34.83</td><td>54.00</td><td>-19.17</td><td>28.56</td><td>6.27</td><td>Average</td><td>201</td><td>338</td></tr><tr><td>3</td><td>15750.00</td><td>48.85</td><td>74.00</td><td>-25.15</td><td>42.58</td><td>6.27</td><td>Peak</td><td>201</td><td>338</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	10500.00	51.18	68.20	-17.02	41.95	9.23	Peak	169	307	2	15750.00	34.83	54.00	-19.17	28.56	6.27	Average	201	338	3	15750.00	48.85	74.00	-25.15	42.58	6.27	Peak	201	338
	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	10500.00	51.18	68.20	-17.02	41.95	9.23	Peak	169	307																																		
2	15750.00	34.83	54.00	-19.17	28.56	6.27	Average	201	338																																		
3	15750.00	48.85	74.00	-25.15	42.58	6.27	Peak	201	338																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE160	Test Freq. (MHz)	5570																																								
Polarization	Horizontal																																										
Test By :Brad Wu- Temperature(°C):23 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>11140.00</td><td>39.63</td><td>54.00</td><td>-14.37</td><td>30.46</td><td>9.17</td><td>Average</td><td>229</td><td>37</td></tr><tr><td>2</td><td>11140.00</td><td>51.28</td><td>74.00</td><td>-22.72</td><td>42.11</td><td>9.17</td><td>Peak</td><td>229</td><td>37</td></tr><tr><td>3</td><td>16710.00</td><td>49.41</td><td>68.20</td><td>-18.79</td><td>41.80</td><td>7.61</td><td>Peak</td><td>124</td><td>252</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	11140.00	39.63	54.00	-14.37	30.46	9.17	Average	229	37	2	11140.00	51.28	74.00	-22.72	42.11	9.17	Peak	229	37	3	16710.00	49.41	68.20	-18.79	41.80	7.61	Peak	124	252
	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	11140.00	39.63	54.00	-14.37	30.46	9.17	Average	229	37																																		
2	11140.00	51.28	74.00	-22.72	42.11	9.17	Peak	229	37																																		
3	16710.00	49.41	68.20	-18.79	41.80	7.61	Peak	124	252																																		
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).																																											



Unwanted Emissions

Appendix D

Modulation	ax HE160	Test Freq. (MHz)	5570
Polarization	Vertical		
Test By :Brad Wu- Temperature(°C):23 Humidity(%):63			
Level (dBuV/m)			



Band Edge measurement

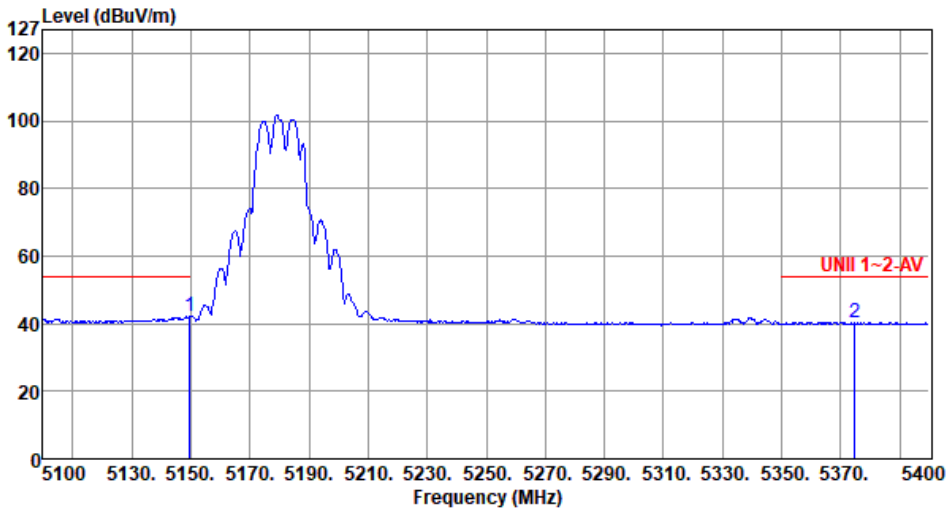
Appendix D

Modulation	11a	Test Freq. (MHz)	5180																														
Polarization	Horizontal-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
Level (dBuV/m) UNII 1~2-PK 2 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>5149.80</td><td>55.96</td><td>74.00</td><td>-18.04</td><td>54.86</td><td>1.10</td><td>Peak</td><td>235</td><td>61</td></tr><tr><td>2</td><td>5361.60</td><td>53.10</td><td>74.00</td><td>-20.90</td><td>52.75</td><td>0.35</td><td>Peak</td><td>235</td><td>61</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	5149.80	55.96	74.00	-18.04	54.86	1.10	Peak	235	61	2	5361.60	53.10	74.00	-20.90	52.75	0.35	Peak	235	61
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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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).																																	



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5180																																																		
Polarization	Horizontal-Average																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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>5149.80</td><td>42.13</td><td>54.00</td><td>-11.87</td><td>41.03</td><td>1.10</td><td>Average</td><td>235</td><td>61</td></tr><tr><td>2</td><td>5374.80</td><td>40.36</td><td>54.00</td><td>-13.64</td><td>39.99</td><td>0.37</td><td>Average</td><td>235</td><td>61</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	5149.80	42.13	54.00	-11.87	41.03	1.10	Average	235	61	2	5374.80	40.36	54.00	-13.64	39.99	0.37	Average	235	61
	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	5149.80	42.13	54.00	-11.87	41.03	1.10	Average	235	61																																												
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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).																																																					



Band Edge measurement

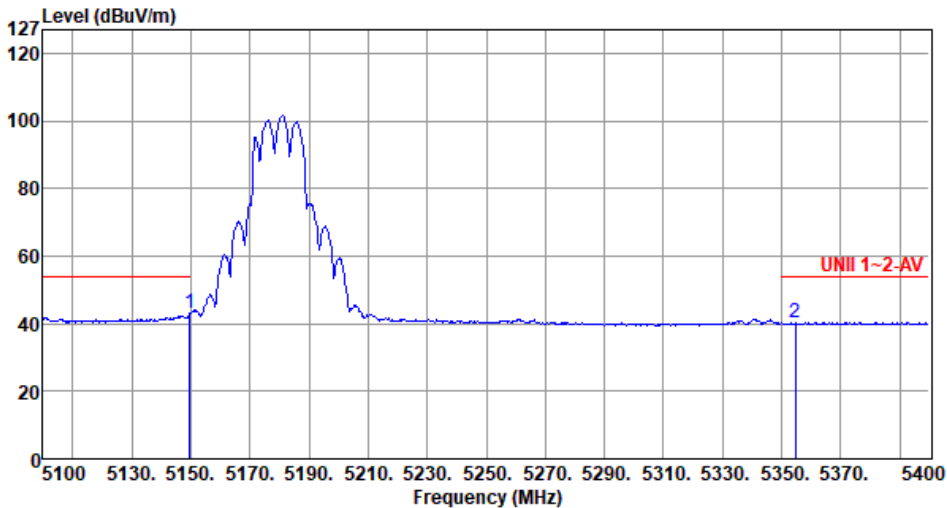
Appendix D

Modulation	11a	Test Freq. (MHz)	5180																														
Polarization	Vertical-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
Level (dBuV/m) UNII 1~2-PK 2 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>5100.90</td><td>55.25</td><td>74.00</td><td>-18.75</td><td>54.26</td><td>0.99</td><td>Peak</td><td>226</td><td>2</td></tr><tr><td>2</td><td>5379.30</td><td>53.63</td><td>74.00</td><td>-20.37</td><td>53.24</td><td>0.39</td><td>Peak</td><td>226</td><td>2</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	5100.90	55.25	74.00	-18.75	54.26	0.99	Peak	226	2	2	5379.30	53.63	74.00	-20.37	53.24	0.39	Peak	226	2
	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	5100.90	55.25	74.00	-18.75	54.26	0.99	Peak	226	2																								
2	5379.30	53.63	74.00	-20.37	53.24	0.39	Peak	226	2																								
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).																																	



Band Edge measurement

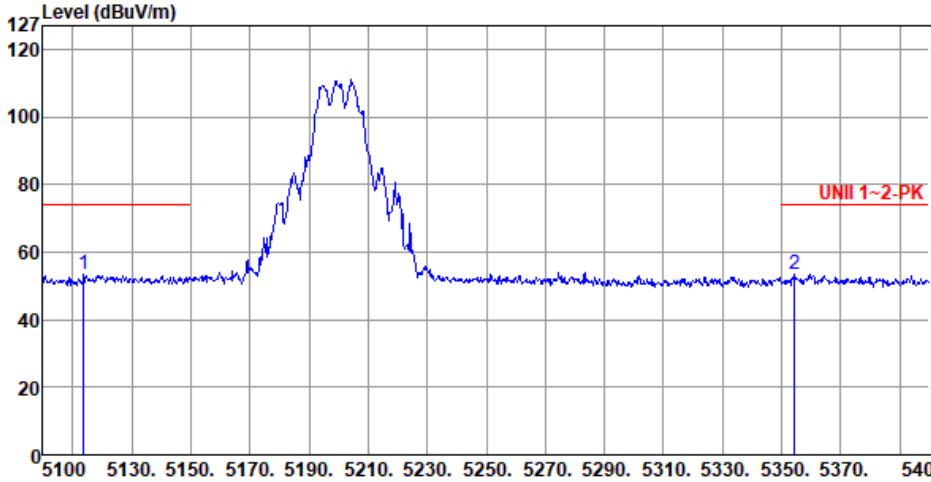
Appendix D

Modulation	11a	Test Freq. (MHz)	5180																																																		
Polarization	Vertical-Average																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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>5149.80</td><td>42.99</td><td>54.00</td><td>-11.01</td><td>41.89</td><td>1.10</td><td>Average</td><td>226</td><td>2</td></tr><tr><td>2</td><td>5354.70</td><td>40.27</td><td>54.00</td><td>-13.73</td><td>39.94</td><td>0.33</td><td>Average</td><td>226</td><td>2</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	5149.80	42.99	54.00	-11.01	41.89	1.10	Average	226	2	2	5354.70	40.27	54.00	-13.73	39.94	0.33	Average	226	2
	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	5149.80	42.99	54.00	-11.01	41.89	1.10	Average	226	2																																												
2	5354.70	40.27	54.00	-13.73	39.94	0.33	Average	226	2																																												
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).																																																					



Band Edge measurement

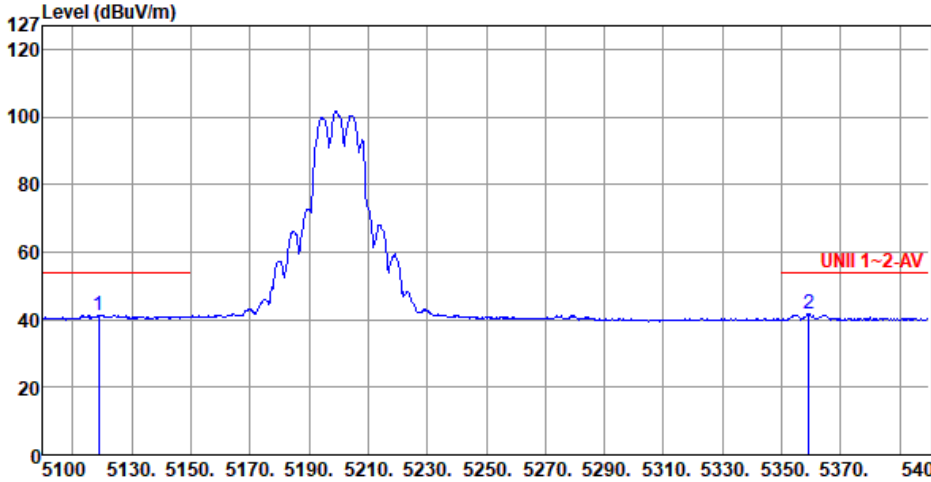
Appendix D

Modulation	11a	Test Freq. (MHz)	5200																																																		
Polarization	Horizontal-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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>5113.80</td><td>53.62</td><td>74.00</td><td>-20.38</td><td>52.61</td><td>1.01</td><td>Peak</td><td>226</td><td>61</td></tr><tr><td>2</td><td>5354.40</td><td>53.30</td><td>74.00</td><td>-20.70</td><td>52.97</td><td>0.33</td><td>Peak</td><td>226</td><td>61</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	5113.80	53.62	74.00	-20.38	52.61	1.01	Peak	226	61	2	5354.40	53.30	74.00	-20.70	52.97	0.33	Peak	226	61
	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	5113.80	53.62	74.00	-20.38	52.61	1.01	Peak	226	61																																												
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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).																																																					



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5200																														
Polarization	Horizontal-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5118.90</td><td>41.45</td><td>54.00</td><td>-12.55</td><td>40.42</td><td>1.03</td><td>Average</td><td>226</td><td>61</td></tr><tr><td>2</td><td>5359.20</td><td>41.70</td><td>54.00</td><td>-12.30</td><td>41.36</td><td>0.34</td><td>Average</td><td>226</td><td>61</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	5118.90	41.45	54.00	-12.55	40.42	1.03	Average	226	61	2	5359.20	41.70	54.00	-12.30	41.36	0.34	Average	226	61
	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	5118.90	41.45	54.00	-12.55	40.42	1.03	Average	226	61																								
2	5359.20	41.70	54.00	-12.30	41.36	0.34	Average	226	61																								
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).																																	



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5200																														
Polarization	Vertical-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5120.10</td><td>54.30</td><td>74.00</td><td>-19.70</td><td>53.27</td><td>1.03</td><td>Peak</td><td>189</td><td>2</td></tr><tr><td>2</td><td>5361.60</td><td>54.32</td><td>74.00</td><td>-19.68</td><td>53.97</td><td>0.35</td><td>Peak</td><td>189</td><td>2</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	5120.10	54.30	74.00	-19.70	53.27	1.03	Peak	189	2	2	5361.60	54.32	74.00	-19.68	53.97	0.35	Peak	189	2
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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Band Edge measurement

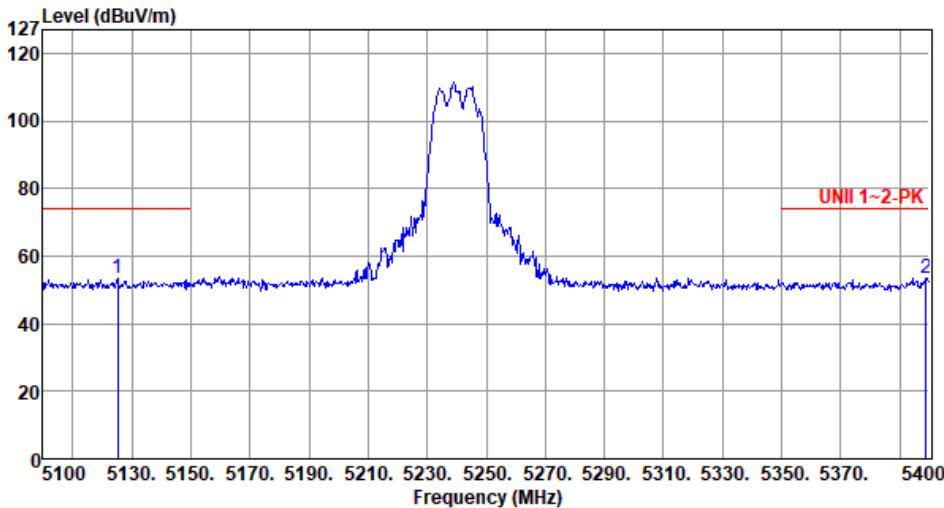
Appendix D

Modulation	11a	Test Freq. (MHz)	5200																														
Polarization	Vertical-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
Level (dBuV/m) 127 120 100 80 60 40 20 0 5100 5130 5150 5170 5190 5210 5230 5250 5270 5290 5310 5330 5350 5370 5400 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>5120.70</td><td>42.02</td><td>54.00</td><td>-11.98</td><td>40.99</td><td>1.03</td><td>Average</td><td>189</td><td>2</td></tr><tr><td>2</td><td>5361.00</td><td>41.78</td><td>54.00</td><td>-12.22</td><td>41.44</td><td>0.34</td><td>Average</td><td>189</td><td>2</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	5120.70	42.02	54.00	-11.98	40.99	1.03	Average	189	2	2	5361.00	41.78	54.00	-12.22	41.44	0.34	Average	189	2
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5240																																																		
Polarization	Horizontal-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5125.20</td><td>53.30</td><td>74.00</td><td>-20.70</td><td>52.26</td><td>1.04</td><td>Peak</td><td>223</td><td>59</td></tr><tr><td>2</td><td>5398.80</td><td>53.41</td><td>74.00</td><td>-20.59</td><td>52.98</td><td>0.43</td><td>Peak</td><td>228</td><td>72</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	5125.20	53.30	74.00	-20.70	52.26	1.04	Peak	223	59	2	5398.80	53.41	74.00	-20.59	52.98	0.43	Peak	228	72
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																												
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																												
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Band Edge measurement

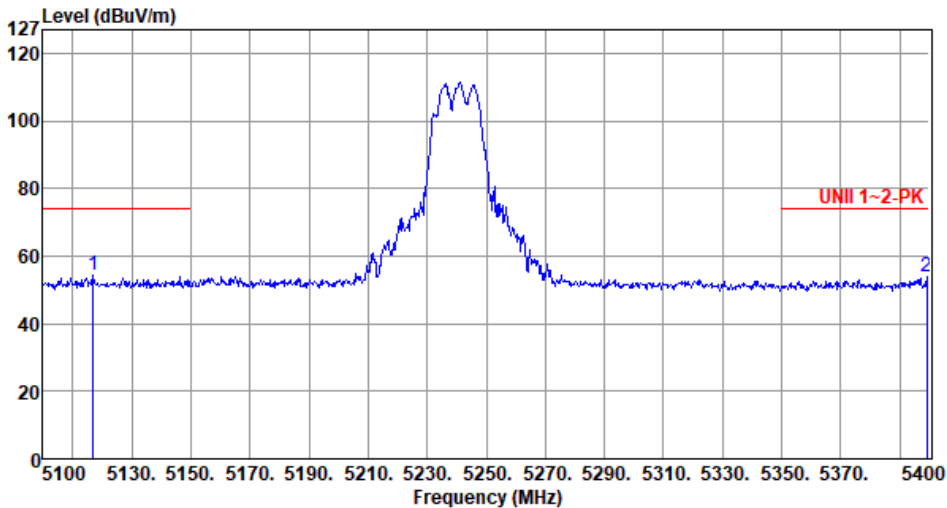
Appendix D

Modulation	11a	Test Freq. (MHz)	5240																														
Polarization	Horizontal-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
Level (dBuV/m) 1 2 UNII 1~2-AV 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>5141.40</td><td>40.82</td><td>54.00</td><td>-13.18</td><td>39.75</td><td>1.07</td><td>Average</td><td>223</td><td>59</td></tr><tr><td>2</td><td>5398.80</td><td>41.78</td><td>54.00</td><td>-12.22</td><td>41.35</td><td>0.43</td><td>Average</td><td>228</td><td>72</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	5141.40	40.82	54.00	-13.18	39.75	1.07	Average	223	59	2	5398.80	41.78	54.00	-12.22	41.35	0.43	Average	228	72
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Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5240																																																		
Polarization	Vertical-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5117.10</td><td>54.49</td><td>74.00</td><td>-19.51</td><td>53.47</td><td>1.02</td><td>Peak</td><td>185</td><td>21</td></tr><tr><td>2</td><td>5399.10</td><td>54.01</td><td>74.00</td><td>-19.99</td><td>53.58</td><td>0.43</td><td>Peak</td><td>177</td><td>5</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	5117.10	54.49	74.00	-19.51	53.47	1.02	Peak	185	21	2	5399.10	54.01	74.00	-19.99	53.58	0.43	Peak	177	5
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																												
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																												
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1	5117.10	54.49	74.00	-19.51	53.47	1.02	Peak	185	21																																												
2	5399.10	54.01	74.00	-19.99	53.58	0.43	Peak	177	5																																												
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).																																																					



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5240						
Polarization	Vertical-Average								
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66									
Level (dBuV/m) 1 2 UNII 1~2-AV 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	5147.10	41.12	54.00	-12.88	40.03	1.09	Average	185	21
2	5395.50	41.74	54.00	-12.26	41.32	0.42	Average	177	5

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).



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5260																																								
Polarization	Horizontal-Peak																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
Level (dBuV/m) UNII 1~2-PK 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>5106.90</td><td>54.04</td><td>74.00</td><td>-19.96</td><td>53.04</td><td>1.00</td><td>Peak</td><td>156</td><td>294</td></tr><tr><td>2</td><td>5396.40</td><td>53.35</td><td>74.00</td><td>-20.65</td><td>52.93</td><td>0.42</td><td>Peak</td><td>200</td><td>64</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	5106.90	54.04	74.00	-19.96	53.04	1.00	Peak	156	294	2	5396.40	53.35	74.00	-20.65	52.93	0.42	Peak	200	64
	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	5106.90	54.04	74.00	-19.96	53.04	1.00	Peak	156	294																																		
2	5396.40	53.35	74.00	-20.65	52.93	0.42	Peak	200	64																																		
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).																																											



Band Edge measurement

Appendix D

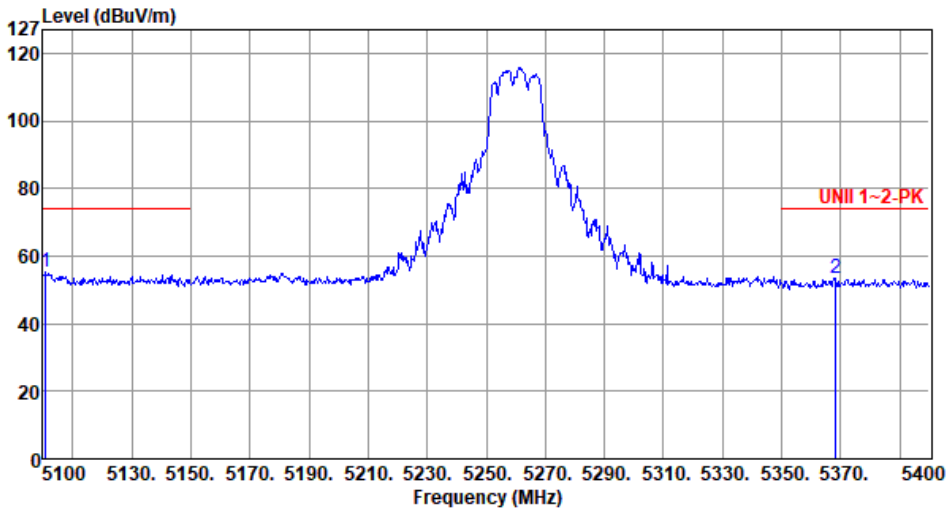
Modulation	11a	Test Freq. (MHz)	5260						
Polarization	Horizontal-Average								
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66									
Level (dBuV/m) 1 2 UNII 1~2-AV Frequency (MHz)									
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn
	MHz	level			reading			High	Table
		dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5102.70	42.38	54.00	-11.62	41.38	1.00	Average	156	294
2	5354.10	40.51	54.00	-13.49	40.18	0.33	Average	200	64

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).



Band Edge measurement

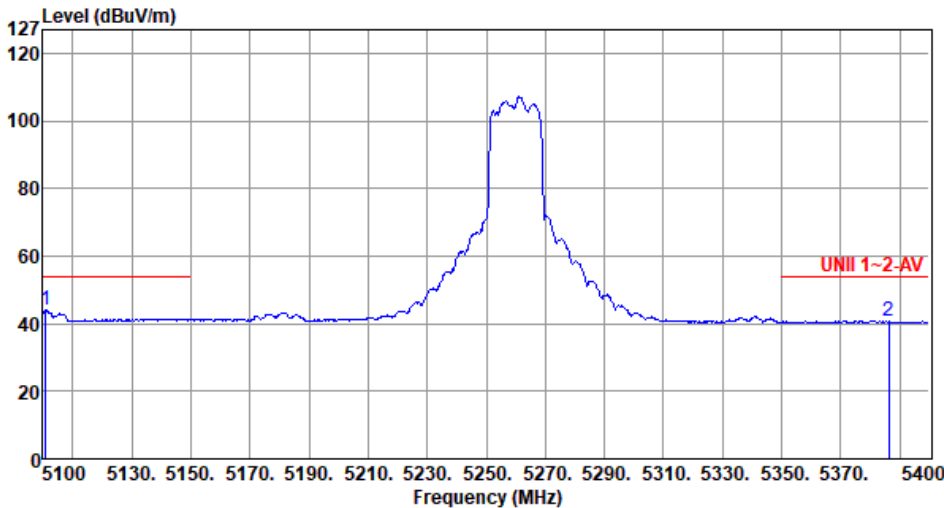
Appendix D

Modulation	11a	Test Freq. (MHz)	5260																																																		
Polarization	Vertical-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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>5100.90</td><td>55.44</td><td>74.00</td><td>-18.56</td><td>54.45</td><td>0.99</td><td>Peak</td><td>179</td><td>3</td></tr><tr><td>2</td><td>5368.20</td><td>53.61</td><td>74.00</td><td>-20.39</td><td>53.24</td><td>0.37</td><td>Peak</td><td>187</td><td>354</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	5100.90	55.44	74.00	-18.56	54.45	0.99	Peak	179	3	2	5368.20	53.61	74.00	-20.39	53.24	0.37	Peak	187	354
	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	5100.90	55.44	74.00	-18.56	54.45	0.99	Peak	179	3																																												
2	5368.20	53.61	74.00	-20.39	53.24	0.37	Peak	187	354																																												
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).																																																					



Band Edge measurement

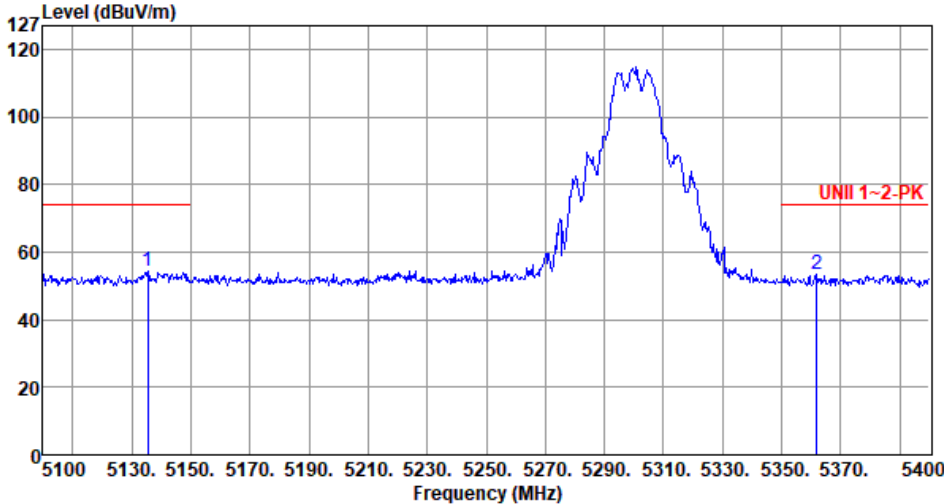
Appendix D

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical-Average		
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66			
Level (dBuV/m)  Freq. Emission Limit Margin SA Factor Remark ANT Turn MHz level dBuV/m dB reading dB/m High Table dBuV/m dB dBuV cm deg 1 5100.90 44.03 54.00 -9.97 43.04 0.99 Average 179 3 2 5386.20 40.86 54.00 -13.14 40.46 0.40 Average 187 354			
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).			



Band Edge measurement

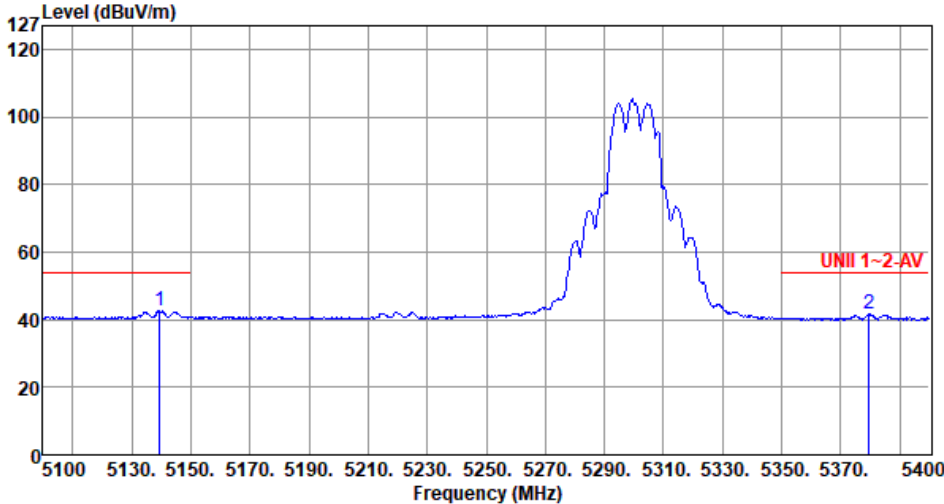
Appendix D

Modulation	11a	Test Freq. (MHz)	5300																																								
Polarization	Horizontal-Peak																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
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>5135.40</td><td>54.24</td><td>74.00</td><td>-19.76</td><td>53.18</td><td>1.06</td><td>Peak</td><td>201</td><td>49</td></tr><tr><td>2</td><td>5361.90</td><td>53.29</td><td>74.00</td><td>-20.71</td><td>52.94</td><td>0.35</td><td>Peak</td><td>201</td><td>49</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	5135.40	54.24	74.00	-19.76	53.18	1.06	Peak	201	49	2	5361.90	53.29	74.00	-20.71	52.94	0.35	Peak	201	49
	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	5135.40	54.24	74.00	-19.76	53.18	1.06	Peak	201	49																																		
2	5361.90	53.29	74.00	-20.71	52.94	0.35	Peak	201	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).																																											



Band Edge measurement

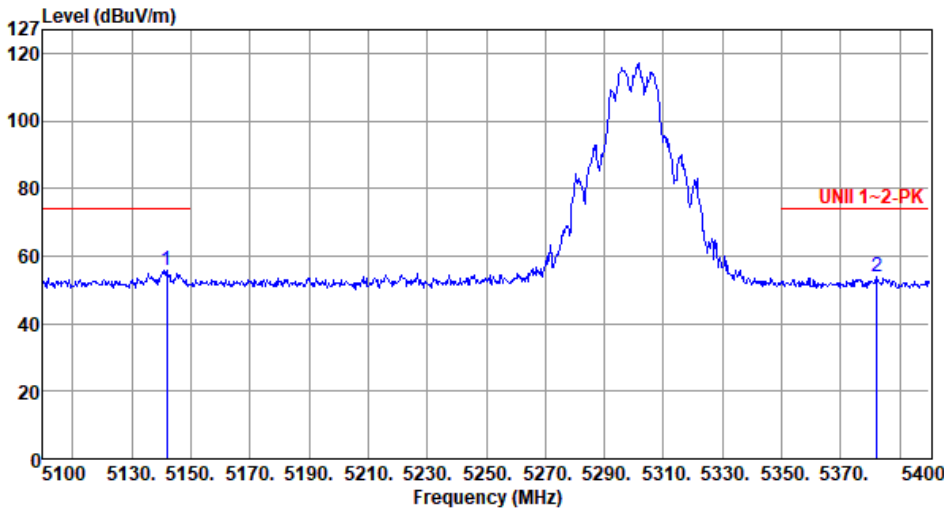
Appendix D

Modulation	11a	Test Freq. (MHz)	5300																																																		
Polarization	Horizontal-Average																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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></th><th></th><th></th><th>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5139.60</td><td>42.57</td><td>54.00</td><td>-11.43</td><td>41.50</td><td>1.07</td><td>Average</td><td>201</td><td>49</td></tr><tr><td>2</td><td>5379.60</td><td>41.55</td><td>54.00</td><td>-12.45</td><td>41.16</td><td>0.39</td><td>Average</td><td>201</td><td>49</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBuV/m	dB	reading	dB/m		High	Table						dBuV			cm	deg	1	5139.60	42.57	54.00	-11.43	41.50	1.07	Average	201	49	2	5379.60	41.55	54.00	-12.45	41.16	0.39	Average	201	49
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																												
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																												
					dBuV			cm	deg																																												
1	5139.60	42.57	54.00	-11.43	41.50	1.07	Average	201	49																																												
2	5379.60	41.55	54.00	-12.45	41.16	0.39	Average	201	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).																																																					



Band Edge measurement

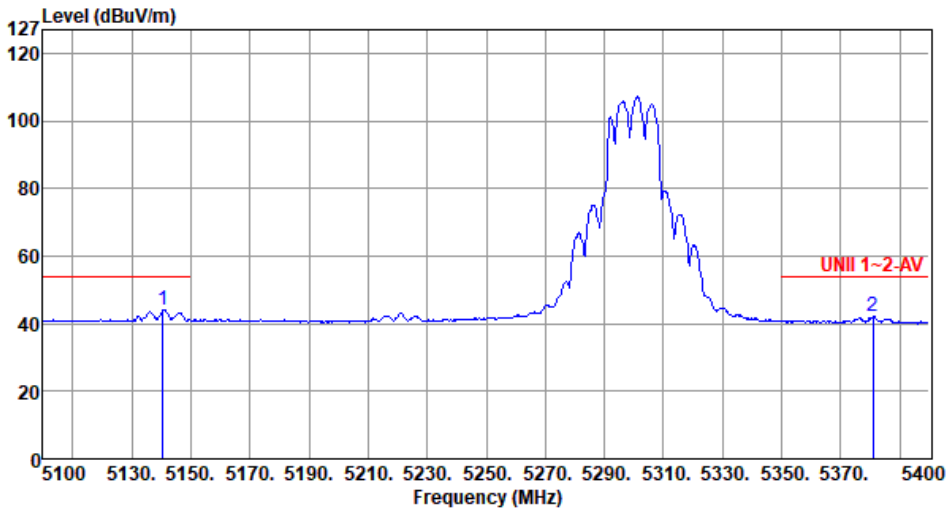
Appendix D

Modulation	11a	Test Freq. (MHz)	5300																																																		
Polarization	Vertical-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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>5142.00</td><td>55.89</td><td>74.00</td><td>-18.11</td><td>54.82</td><td>1.07</td><td>Peak</td><td>179</td><td>1</td></tr><tr><td>2</td><td>5382.30</td><td>53.85</td><td>74.00</td><td>-20.15</td><td>53.46</td><td>0.39</td><td>Peak</td><td>179</td><td>1</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	5142.00	55.89	74.00	-18.11	54.82	1.07	Peak	179	1	2	5382.30	53.85	74.00	-20.15	53.46	0.39	Peak	179	1
	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	5142.00	55.89	74.00	-18.11	54.82	1.07	Peak	179	1																																												
2	5382.30	53.85	74.00	-20.15	53.46	0.39	Peak	179	1																																												
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).																																																					



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5300																														
Polarization	Vertical-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5140.50</td><td>44.24</td><td>54.00</td><td>-9.76</td><td>43.17</td><td>1.07</td><td>Average</td><td>179</td><td>1</td></tr><tr><td>2</td><td>5380.80</td><td>41.99</td><td>54.00</td><td>-12.01</td><td>41.60</td><td>0.39</td><td>Average</td><td>179</td><td>1</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	5140.50	44.24	54.00	-9.76	43.17	1.07	Average	179	1	2	5380.80	41.99	54.00	-12.01	41.60	0.39	Average	179	1
	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	5140.50	44.24	54.00	-9.76	43.17	1.07	Average	179	1																								
2	5380.80	41.99	54.00	-12.01	41.60	0.39	Average	179	1																								
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).																																	



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5320																														
Polarization	Horizontal-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5128.80</td><td>53.25</td><td>74.00</td><td>-20.75</td><td>52.20</td><td>1.05</td><td>Peak</td><td>305</td><td>67</td></tr><tr><td>2</td><td>5352.90</td><td>53.81</td><td>74.00</td><td>-20.19</td><td>53.48</td><td>0.33</td><td>Peak</td><td>305</td><td>67</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	5128.80	53.25	74.00	-20.75	52.20	1.05	Peak	305	67	2	5352.90	53.81	74.00	-20.19	53.48	0.33	Peak	305	67
	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	5128.80	53.25	74.00	-20.75	52.20	1.05	Peak	305	67																								
2	5352.90	53.81	74.00	-20.19	53.48	0.33	Peak	305	67																								



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5320																														
Polarization	Horizontal-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
Level (dBUV/m) UNII 1~2-AV 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>5133.90</td><td>40.86</td><td>54.00</td><td>-13.14</td><td>39.80</td><td>1.06</td><td>Average</td><td>305</td><td>67</td></tr><tr><td>2</td><td>5350.20</td><td>41.56</td><td>54.00</td><td>-12.44</td><td>41.24</td><td>0.32</td><td>Average</td><td>305</td><td>67</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	5133.90	40.86	54.00	-13.14	39.80	1.06	Average	305	67	2	5350.20	41.56	54.00	-12.44	41.24	0.32	Average	305	67
	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	5133.90	40.86	54.00	-13.14	39.80	1.06	Average	305	67																								
2	5350.20	41.56	54.00	-12.44	41.24	0.32	Average	305	67																								
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).																																	



Band Edge measurement

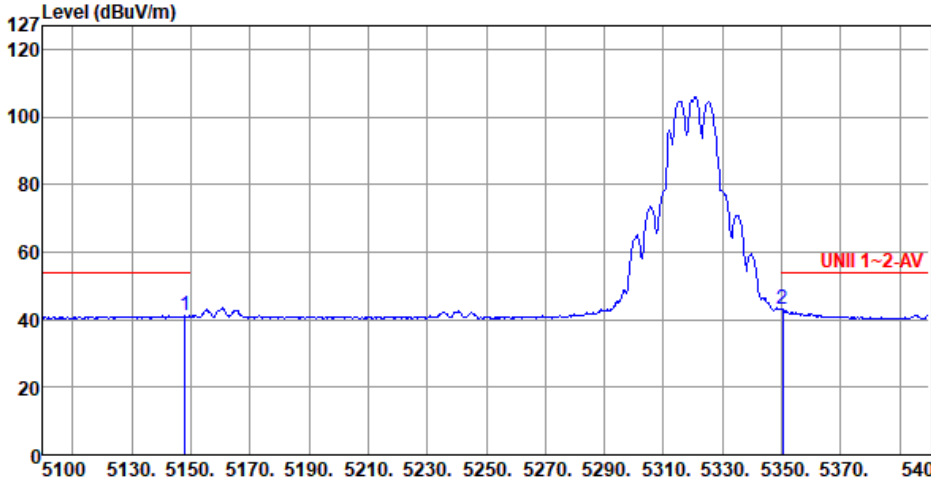
Appendix D

Modulation	11a	Test Freq. (MHz)	5320																																								
Polarization	Vertical-Peak																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
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>5116.50</td><td>53.56</td><td>74.00</td><td>-20.44</td><td>52.54</td><td>1.02</td><td>Peak</td><td>183</td><td>9</td></tr><tr><td>2</td><td>5350.20</td><td>55.81</td><td>74.00</td><td>-18.19</td><td>55.49</td><td>0.32</td><td>Peak</td><td>183</td><td>9</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	5116.50	53.56	74.00	-20.44	52.54	1.02	Peak	183	9	2	5350.20	55.81	74.00	-18.19	55.49	0.32	Peak	183	9
	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	5116.50	53.56	74.00	-20.44	52.54	1.02	Peak	183	9																																		
2	5350.20	55.81	74.00	-18.19	55.49	0.32	Peak	183	9																																		
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).																																											



Band Edge measurement

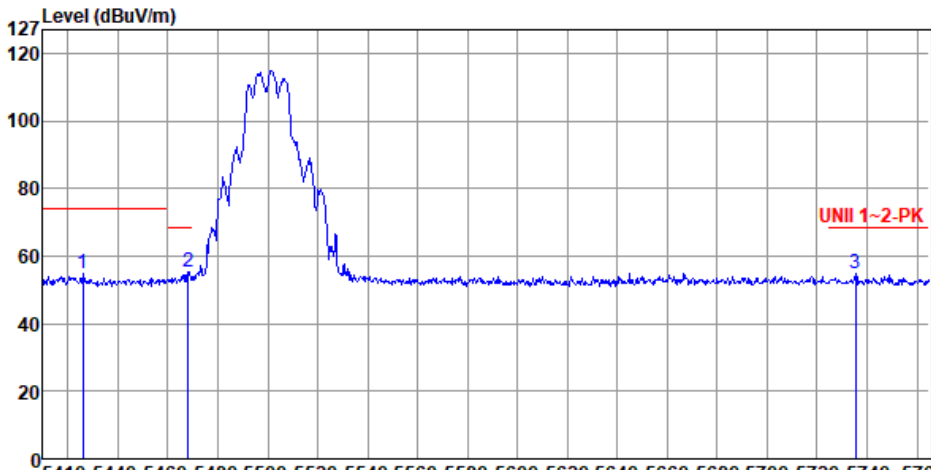
Appendix D

Modulation	11a	Test Freq. (MHz)	5320																																								
Polarization	Vertical-Average																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
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>5148.00</td><td>41.04</td><td>54.00</td><td>-12.96</td><td>39.94</td><td>1.10</td><td>Average</td><td>183</td><td>9</td></tr><tr><td>2</td><td>5350.20</td><td>43.17</td><td>54.00</td><td>-10.83</td><td>42.85</td><td>0.32</td><td>Average</td><td>183</td><td>9</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	5148.00	41.04	54.00	-12.96	39.94	1.10	Average	183	9	2	5350.20	43.17	54.00	-10.83	42.85	0.32	Average	183	9
	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	5148.00	41.04	54.00	-12.96	39.94	1.10	Average	183	9																																		
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Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5500																																																												
Polarization	Horizontal-Peak																																																														
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																															
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>5425.98</td><td>55.03</td><td>74.00</td><td>-18.97</td><td>54.48</td><td>0.55</td><td>Peak</td><td>216</td><td>69</td></tr><tr><td>2</td><td>5468.22</td><td>55.31</td><td>68.20</td><td>-12.89</td><td>54.59</td><td>0.72</td><td>Peak</td><td>231</td><td>56</td></tr><tr><td>3</td><td>5735.54</td><td>54.96</td><td>68.20</td><td>-13.24</td><td>53.83</td><td>1.13</td><td>Peak</td><td>216</td><td>69</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	5425.98	55.03	74.00	-18.97	54.48	0.55	Peak	216	69	2	5468.22	55.31	68.20	-12.89	54.59	0.72	Peak	231	56	3	5735.54	54.96	68.20	-13.24	53.83	1.13	Peak	216	69
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																						
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																						
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1	5425.98	55.03	74.00	-18.97	54.48	0.55	Peak	216	69																																																						
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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).																																																															



Band Edge measurement

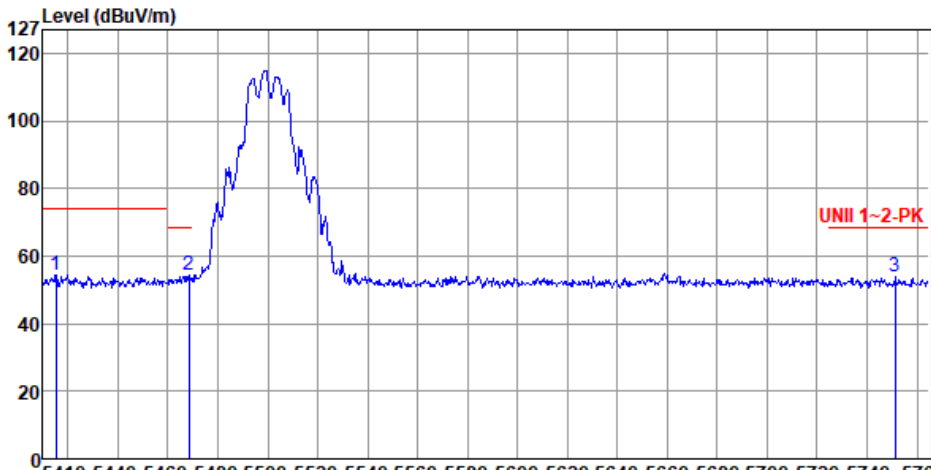
Appendix D

Modulation	11a	Test Freq. (MHz)	5500																				
Polarization	Horizontal-Average																						
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																							
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>5421.36</td><td>42.19</td><td>54.00</td><td>-11.81</td><td>41.66</td><td>0.53</td><td>Average</td><td>216</td><td>69</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	5421.36	42.19	54.00	-11.81	41.66	0.53	Average	216	69
	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	5421.36	42.19	54.00	-11.81	41.66	0.53	Average	216	69														
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).																							



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5500																																								
Polarization	Vertical-Peak																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
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>5415.33</td><td>54.46</td><td>74.00</td><td>-19.54</td><td>53.96</td><td>0.50</td><td>Peak</td><td>171</td><td>1</td></tr><tr><td>2</td><td>5468.58</td><td>54.49</td><td>68.20</td><td>-13.71</td><td>53.77</td><td>0.72</td><td>Peak</td><td>177</td><td>357</td></tr><tr><td>3</td><td>5751.16</td><td>53.92</td><td>68.20</td><td>-14.28</td><td>52.75</td><td>1.17</td><td>Peak</td><td>171</td><td>1</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	5415.33	54.46	74.00	-19.54	53.96	0.50	Peak	171	1	2	5468.58	54.49	68.20	-13.71	53.77	0.72	Peak	177	357	3	5751.16	53.92	68.20	-14.28	52.75	1.17	Peak	171	1
	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	5415.33	54.46	74.00	-19.54	53.96	0.50	Peak	171	1																																		
2	5468.58	54.49	68.20	-13.71	53.77	0.72	Peak	177	357																																		
3	5751.16	53.92	68.20	-14.28	52.75	1.17	Peak	171	1																																		
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).																																											



Band Edge measurement

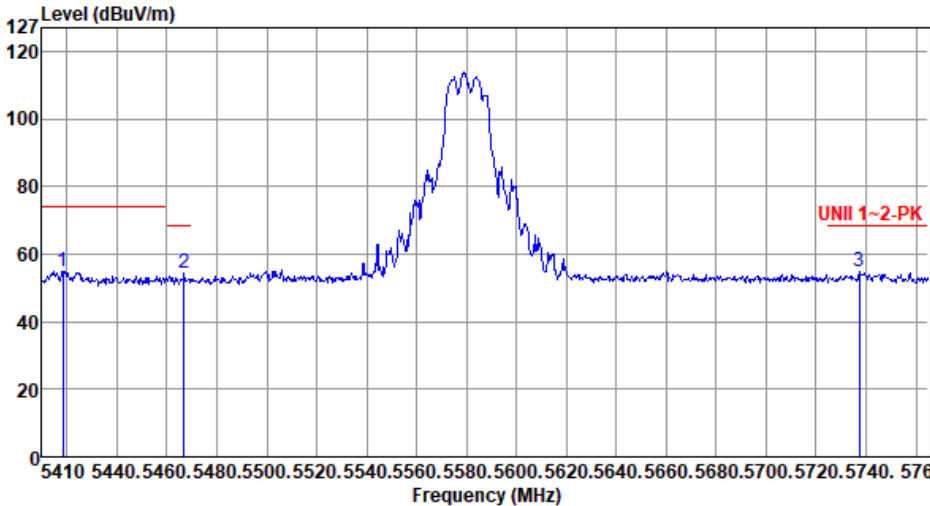
Appendix D

Modulation	11a	Test Freq. (MHz)	5500																				
Polarization	Vertical-Average																						
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																							
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>5418.52</td><td>42.33</td><td>54.00</td><td>-11.67</td><td>41.82</td><td>0.51</td><td>Average</td><td>171</td><td>1</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	5418.52	42.33	54.00	-11.67	41.82	0.51	Average	171	1
	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	5418.52	42.33	54.00	-11.67	41.82	0.51	Average	171	1														
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).																							



Band Edge measurement

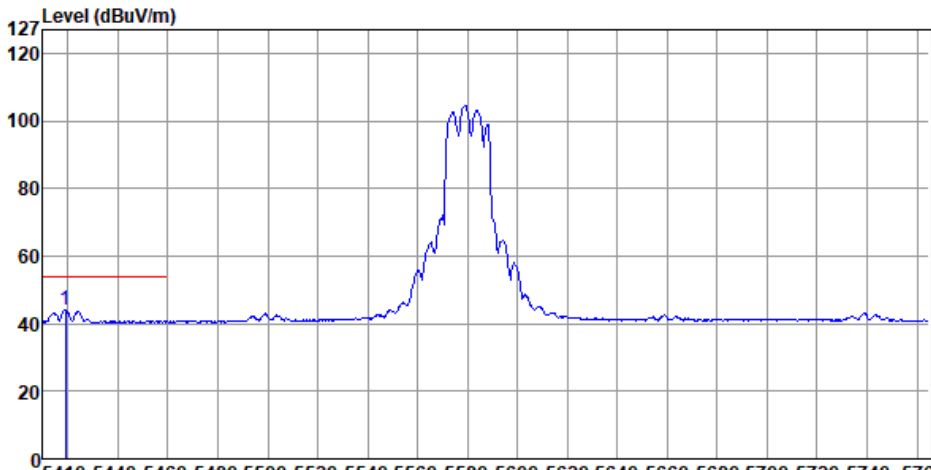
Appendix D

Modulation	11a	Test Freq. (MHz)	5580																																																												
Polarization	Horizontal-Peak																																																														
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																															
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>5418.52</td><td>54.96</td><td>74.00</td><td>-19.04</td><td>54.45</td><td>0.51</td><td>Peak</td><td>200</td><td>56</td></tr><tr><td>2</td><td>5466.80</td><td>54.28</td><td>68.20</td><td>-13.92</td><td>53.57</td><td>0.71</td><td>Peak</td><td>174</td><td>62</td></tr><tr><td>3</td><td>5737.31</td><td>54.76</td><td>68.20</td><td>-13.44</td><td>53.63</td><td>1.13</td><td>Peak</td><td>200</td><td>56</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	5418.52	54.96	74.00	-19.04	54.45	0.51	Peak	200	56	2	5466.80	54.28	68.20	-13.92	53.57	0.71	Peak	174	62	3	5737.31	54.76	68.20	-13.44	53.63	1.13	Peak	200	56
	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	5418.52	54.96	74.00	-19.04	54.45	0.51	Peak	200	56																																																						
2	5466.80	54.28	68.20	-13.92	53.57	0.71	Peak	174	62																																																						
3	5737.31	54.76	68.20	-13.44	53.63	1.13	Peak	200	56																																																						
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).																																																															



Band Edge measurement

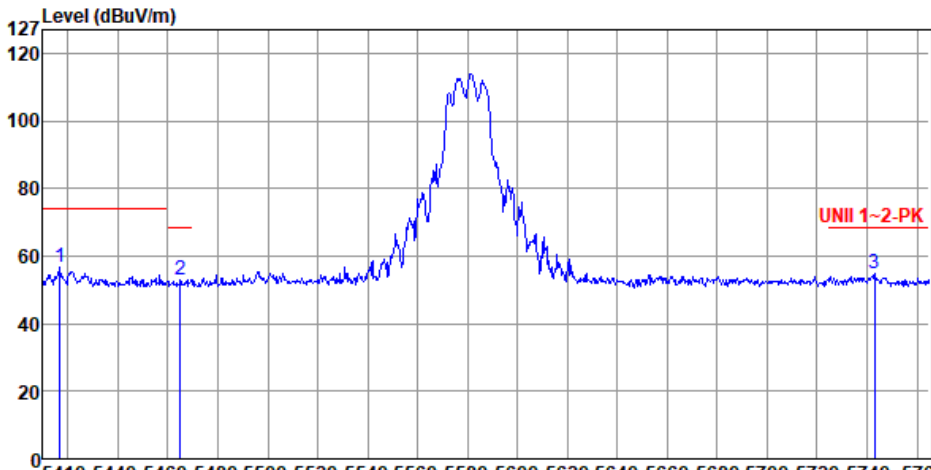
Appendix D

Modulation	11a	Test Freq. (MHz)	5580						
Polarization	Horizontal-Average								
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66									
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	5418.88	44.10	54.00	-9.90	43.58	0.52	Average	200	56
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).									



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5580																																								
Polarization	Vertical-Peak																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
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>5416.75</td><td>56.62</td><td>74.00</td><td>-17.38</td><td>56.11</td><td>0.51</td><td>Peak</td><td>190</td><td>359</td></tr><tr><td>2</td><td>5465.03</td><td>52.95</td><td>68.20</td><td>-15.25</td><td>52.25</td><td>0.70</td><td>Peak</td><td>186</td><td>355</td></tr><tr><td>3</td><td>5742.99</td><td>54.73</td><td>68.20</td><td>-13.47</td><td>53.57</td><td>1.16</td><td>Peak</td><td>190</td><td>359</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	5416.75	56.62	74.00	-17.38	56.11	0.51	Peak	190	359	2	5465.03	52.95	68.20	-15.25	52.25	0.70	Peak	186	355	3	5742.99	54.73	68.20	-13.47	53.57	1.16	Peak	190	359
	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	5416.75	56.62	74.00	-17.38	56.11	0.51	Peak	190	359																																		
2	5465.03	52.95	68.20	-15.25	52.25	0.70	Peak	186	355																																		
3	5742.99	54.73	68.20	-13.47	53.57	1.16	Peak	190	359																																		
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).																																											



Band Edge measurement

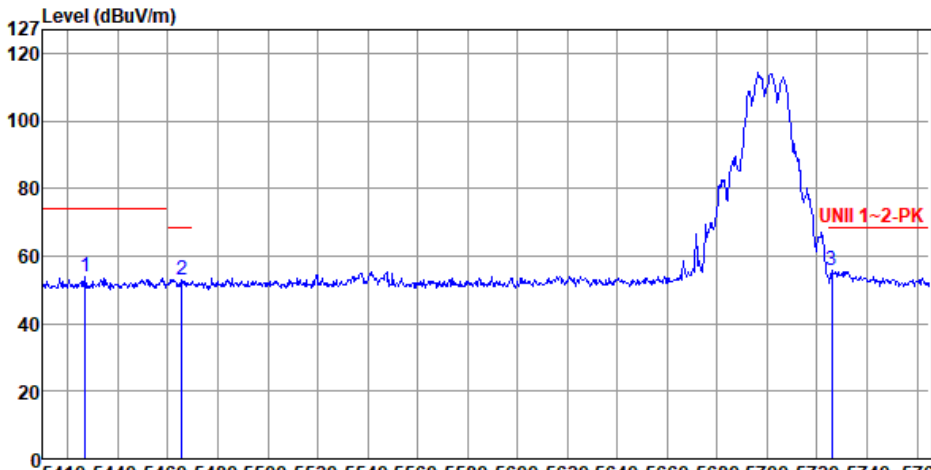
Appendix D

Modulation	11a	Test Freq. (MHz)	5580																																					
Polarization	Vertical-Average																																							
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																								
Level (dBUV/m) Frequency (MHz) <table><tr><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>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>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5421.01</td><td>44.45</td><td>54.00</td><td>-9.55</td><td>43.93</td><td>0.52</td><td>Average</td><td>190</td><td>359</td></tr></table>				Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn	MHz	level	dBuV/m	dB	reading	dB/m		High	Table					dBuV			cm	deg	1	5421.01	44.45	54.00	-9.55	43.93	0.52	Average	190	359
Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																
MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																
				dBuV			cm	deg																																
1	5421.01	44.45	54.00	-9.55	43.93	0.52	Average	190	359																															
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).																																								



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5700																																																		
Polarization	Horizontal-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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>5427.04</td><td>53.91</td><td>74.00</td><td>-20.09</td><td>53.35</td><td>0.56</td><td>Peak</td><td>179</td><td>57</td></tr><tr><td>2</td><td>5465.74</td><td>52.98</td><td>68.20</td><td>-15.22</td><td>52.27</td><td>0.71</td><td>Peak</td><td>179</td><td>57</td></tr><tr><td>3</td><td>5725.95</td><td>55.58</td><td>68.20</td><td>-12.62</td><td>54.47</td><td>1.11</td><td>Peak</td><td>179</td><td>57</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	5427.04	53.91	74.00	-20.09	53.35	0.56	Peak	179	57	2	5465.74	52.98	68.20	-15.22	52.27	0.71	Peak	179	57	3	5725.95	55.58	68.20	-12.62	54.47	1.11	Peak	179	57
	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	5427.04	53.91	74.00	-20.09	53.35	0.56	Peak	179	57																																												
2	5465.74	52.98	68.20	-15.22	52.27	0.71	Peak	179	57																																												
3	5725.95	55.58	68.20	-12.62	54.47	1.11	Peak	179	57																																												
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).																																																					



Band Edge measurement

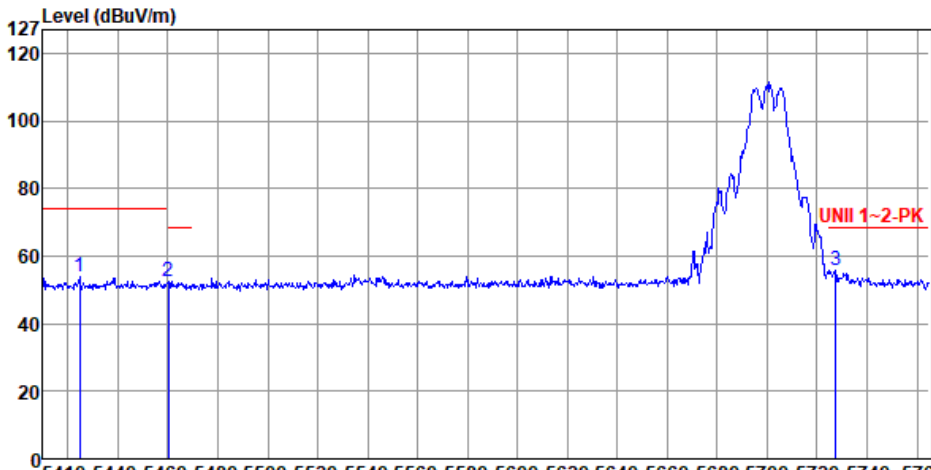
Appendix D

Modulation	11a	Test Freq. (MHz)	5700																				
Polarization	Horizontal-Average																						
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																							
Level (dBUV/m) 1 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>5456.51</td><td>41.35</td><td>54.00</td><td>-12.65</td><td>40.68</td><td>0.67</td><td>Average</td><td>179</td><td>57</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	5456.51	41.35	54.00	-12.65	40.68	0.67	Average	179	57
	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	5456.51	41.35	54.00	-12.65	40.68	0.67	Average	179	57														
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).																							



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5700																																																												
Polarization	Vertical-Peak																																																														
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																															
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></th><th></th><th></th><th></th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5424.56</td><td>53.66</td><td>74.00</td><td>-20.34</td><td>53.11</td><td>0.55</td><td>Peak</td><td>238</td><td>89</td></tr><tr><td>2</td><td>5460.10</td><td>52.54</td><td>68.20</td><td>-15.66</td><td>51.85</td><td>0.69</td><td>Peak</td><td>238</td><td>89</td></tr><tr><td>3</td><td>5727.37</td><td>55.59</td><td>68.20</td><td>-12.61</td><td>54.48</td><td>1.11</td><td>Peak</td><td>238</td><td>89</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	5424.56	53.66	74.00	-20.34	53.11	0.55	Peak	238	89	2	5460.10	52.54	68.20	-15.66	51.85	0.69	Peak	238	89	3	5727.37	55.59	68.20	-12.61	54.48	1.11	Peak	238	89
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																						
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																																						
								cm	deg																																																						
1	5424.56	53.66	74.00	-20.34	53.11	0.55	Peak	238	89																																																						
2	5460.10	52.54	68.20	-15.66	51.85	0.69	Peak	238	89																																																						
3	5727.37	55.59	68.20	-12.61	54.48	1.11	Peak	238	89																																																						
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).																																																															



Band Edge measurement

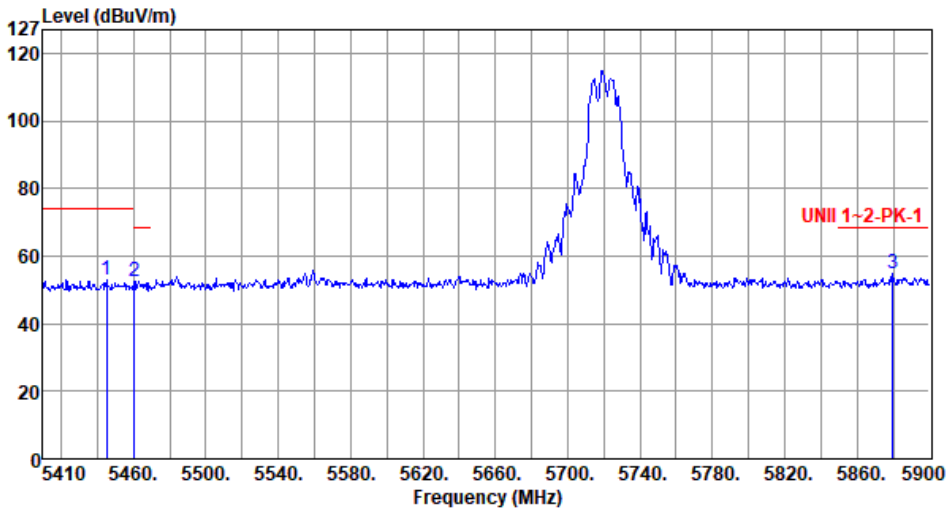
Appendix D

Modulation	11a	Test Freq. (MHz)	5700																														
Polarization	Vertical-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5459.35</td><td>40.69</td><td>54.00</td><td>-13.31</td><td>40.00</td><td>0.69</td><td>Average</td><td>238</td><td>89</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	5459.35	40.69	54.00	-13.31	40.00	0.69	Average	238	89
	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	5459.35	40.69	54.00	-13.31	40.00	0.69	Average	238	89																								
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).																																	



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5720																																																												
Polarization	Horizontal-Peak																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
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>5445.28</td><td>53.03</td><td>74.00</td><td>-20.97</td><td>52.39</td><td>0.64</td><td>Peak</td><td>228</td><td>54</td></tr><tr><td>2</td><td>5460.47</td><td>52.40</td><td>68.20</td><td>-15.80</td><td>51.71</td><td>0.69</td><td>Peak</td><td>228</td><td>54</td></tr><tr><td>3</td><td>5879.91</td><td>54.75</td><td>68.20</td><td>-13.45</td><td>53.20</td><td>1.55</td><td>Peak</td><td>228</td><td>54</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	5445.28	53.03	74.00	-20.97	52.39	0.64	Peak	228	54	2	5460.47	52.40	68.20	-15.80	51.71	0.69	Peak	228	54	3	5879.91	54.75	68.20	-13.45	53.20	1.55	Peak	228	54
	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	5445.28	53.03	74.00	-20.97	52.39	0.64	Peak	228	54																																																						
2	5460.47	52.40	68.20	-15.80	51.71	0.69	Peak	228	54																																																						
3	5879.91	54.75	68.20	-13.45	53.20	1.55	Peak	228	54																																																						
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).																																																															



Band Edge measurement

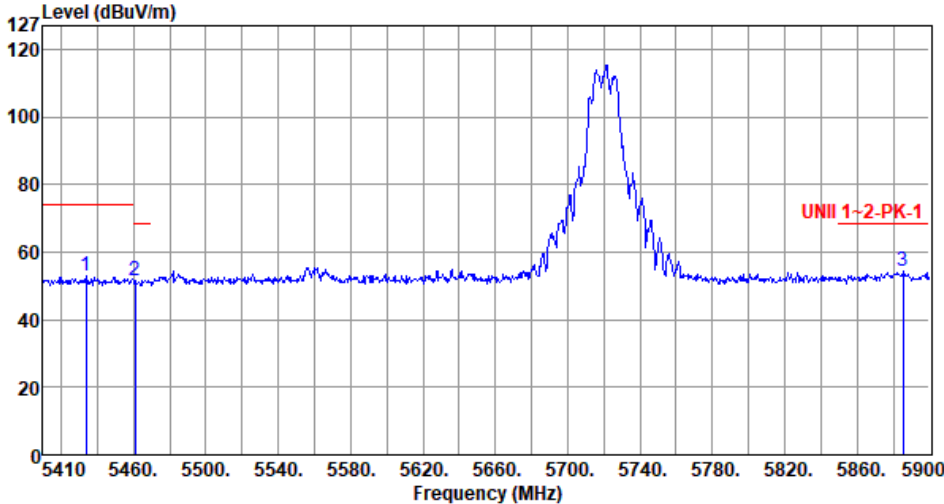
Appendix D

Modulation	11a	Test Freq. (MHz)	5720						
Polarization	Horizontal-Average								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
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	5431.07	40.41	54.00	-13.59	39.84	0.57	Average	228	54
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).									



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5720																																																		
Polarization	Vertical-Peak																																																				
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																					
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>5434.01</td><td>52.83</td><td>74.00</td><td>-21.17</td><td>52.24</td><td>0.59</td><td>Peak</td><td>170</td><td>3</td></tr><tr><td>2</td><td>5460.96</td><td>51.52</td><td>68.20</td><td>-16.68</td><td>50.83</td><td>0.69</td><td>Peak</td><td>170</td><td>3</td></tr><tr><td>3</td><td>5885.30</td><td>54.48</td><td>68.20</td><td>-13.72</td><td>52.91</td><td>1.57</td><td>Peak</td><td>170</td><td>3</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	5434.01	52.83	74.00	-21.17	52.24	0.59	Peak	170	3	2	5460.96	51.52	68.20	-16.68	50.83	0.69	Peak	170	3	3	5885.30	54.48	68.20	-13.72	52.91	1.57	Peak	170	3
	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	5434.01	52.83	74.00	-21.17	52.24	0.59	Peak	170	3																																												
2	5460.96	51.52	68.20	-16.68	50.83	0.69	Peak	170	3																																												
3	5885.30	54.48	68.20	-13.72	52.91	1.57	Peak	170	3																																												
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).																																																					



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical-Average		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5745						
Polarization	Horizontal-Peak								
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66									
Level (dBuV/m) UNI 3-PK Frequency (MHz)									
	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	5649.50	58.05	68.20	-10.15	57.13	0.92	Peak	178	61
2	5931.50	58.30	68.20	-9.90	56.64	1.66	Peak	178	61

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).



Band Edge measurement

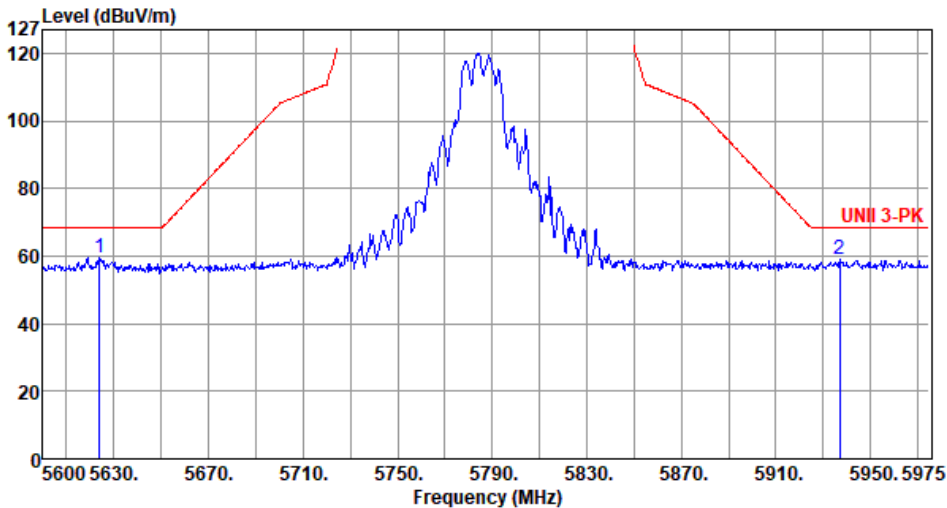
Appendix D

Modulation	11a	Test Freq. (MHz)	5745																														
Polarization	Vertical-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
Level (dBUV/m) 1 2 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>5602.63</td><td>57.71</td><td>68.20</td><td>-10.49</td><td>56.90</td><td>0.81</td><td>Peak</td><td>154</td><td>358</td></tr><tr><td>2</td><td>5971.63</td><td>58.50</td><td>68.20</td><td>-9.70</td><td>56.79</td><td>1.71</td><td>Peak</td><td>154</td><td>358</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	5602.63	57.71	68.20	-10.49	56.90	0.81	Peak	154	358	2	5971.63	58.50	68.20	-9.70	56.79	1.71	Peak	154	358
	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	5602.63	57.71	68.20	-10.49	56.90	0.81	Peak	154	358																								
2	5971.63	58.50	68.20	-9.70	56.79	1.71	Peak	154	358																								



Band Edge measurement

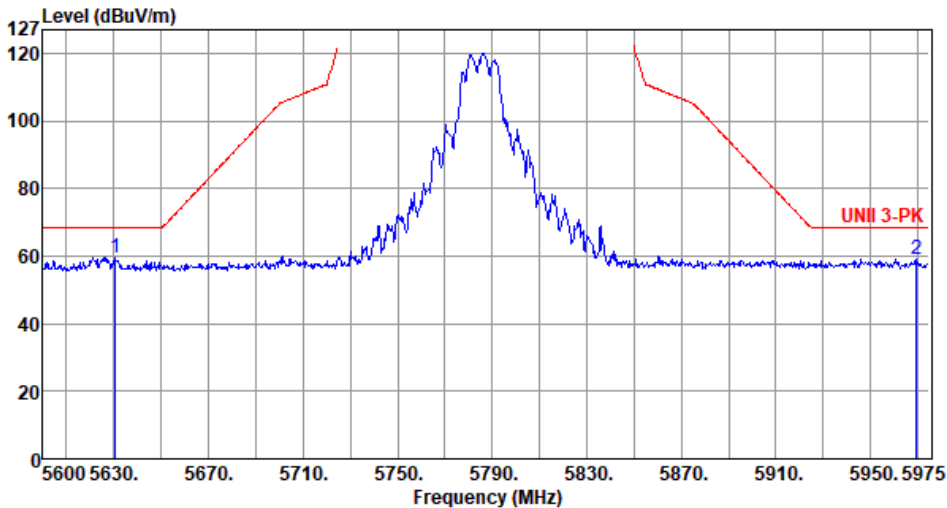
Appendix D

Modulation	11a	Test Freq. (MHz)	5785																														
Polarization	Horizontal-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5624.00</td><td>59.42</td><td>68.20</td><td>-8.78</td><td>58.56</td><td>0.86</td><td>Peak</td><td>176</td><td>61</td></tr><tr><td>2</td><td>5937.13</td><td>59.14</td><td>68.20</td><td>-9.06</td><td>57.48</td><td>1.66</td><td>Peak</td><td>180</td><td>57</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	5624.00	59.42	68.20	-8.78	58.56	0.86	Peak	176	61	2	5937.13	59.14	68.20	-9.06	57.48	1.66	Peak	180	57
	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	5624.00	59.42	68.20	-8.78	58.56	0.86	Peak	176	61																								
2	5937.13	59.14	68.20	-9.06	57.48	1.66	Peak	180	57																								
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).																																	



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5785																														
Polarization	Vertical-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5630.75</td><td>59.64</td><td>68.20</td><td>-8.56</td><td>58.77</td><td>0.87</td><td>Peak</td><td>166</td><td>363</td></tr><tr><td>2</td><td>5969.38</td><td>59.17</td><td>68.20</td><td>-9.03</td><td>57.46</td><td>1.71</td><td>Peak</td><td>136</td><td>355</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	5630.75	59.64	68.20	-8.56	58.77	0.87	Peak	166	363	2	5969.38	59.17	68.20	-9.03	57.46	1.71	Peak	136	355
	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	5630.75	59.64	68.20	-8.56	58.77	0.87	Peak	166	363																								
2	5969.38	59.17	68.20	-9.03	57.46	1.71	Peak	136	355																								
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).																																	



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5825																																								
Polarization	Horizontal-Peak																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
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>5617.25</td><td>58.09</td><td>68.20</td><td>-10.11</td><td>57.25</td><td>0.84</td><td>Peak</td><td>169</td><td>45</td></tr><tr><td>2</td><td>5946.13</td><td>58.73</td><td>68.20</td><td>-9.47</td><td>57.06</td><td>1.67</td><td>Peak</td><td>169</td><td>45</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	5617.25	58.09	68.20	-10.11	57.25	0.84	Peak	169	45	2	5946.13	58.73	68.20	-9.47	57.06	1.67	Peak	169	45
	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	5617.25	58.09	68.20	-10.11	57.25	0.84	Peak	169	45																																		
2	5946.13	58.73	68.20	-9.47	57.06	1.67	Peak	169	45																																		
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).																																											



Band Edge measurement

Appendix D

Modulation	11a	Test Freq. (MHz)	5825																																																		
Polarization	Vertical-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
Level (dBuV/m) 127 120 100 80 60 40 20 0 5600 5630. 5670. 5710. 5750. 5790. 5830. 5870. 5910. 5950. 5975 1 2 UNII 3-PK 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>5613.13</td><td>58.59</td><td>68.20</td><td>-9.61</td><td>57.75</td><td>0.84</td><td>Peak</td><td>103</td><td>4</td></tr><tr><td>2</td><td>5964.13</td><td>59.10</td><td>68.20</td><td>-9.10</td><td>57.40</td><td>1.70</td><td>Peak</td><td>103</td><td>4</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	5613.13	58.59	68.20	-9.61	57.75	0.84	Peak	103	4	2	5964.13	59.10	68.20	-9.10	57.40	1.70	Peak	103	4
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																												
	MHz	level	dBuV/m	dB	reading	dB/m		High	Table																																												
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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).																																																					



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5180																														
Polarization	Horizontal-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
Level (dBuV/m) UNII 1~2-PK 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>5137.80</td><td>52.44</td><td>74.00</td><td>-21.56</td><td>51.37</td><td>1.07</td><td>Peak</td><td>168</td><td>46</td></tr><tr><td>2</td><td>5382.00</td><td>52.47</td><td>74.00</td><td>-21.53</td><td>52.08</td><td>0.39</td><td>Peak</td><td>168</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	5137.80	52.44	74.00	-21.56	51.37	1.07	Peak	168	46	2	5382.00	52.47	74.00	-21.53	52.08	0.39	Peak	168	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	5137.80	52.44	74.00	-21.56	51.37	1.07	Peak	168	46																								
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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).																																	



Band Edge measurement

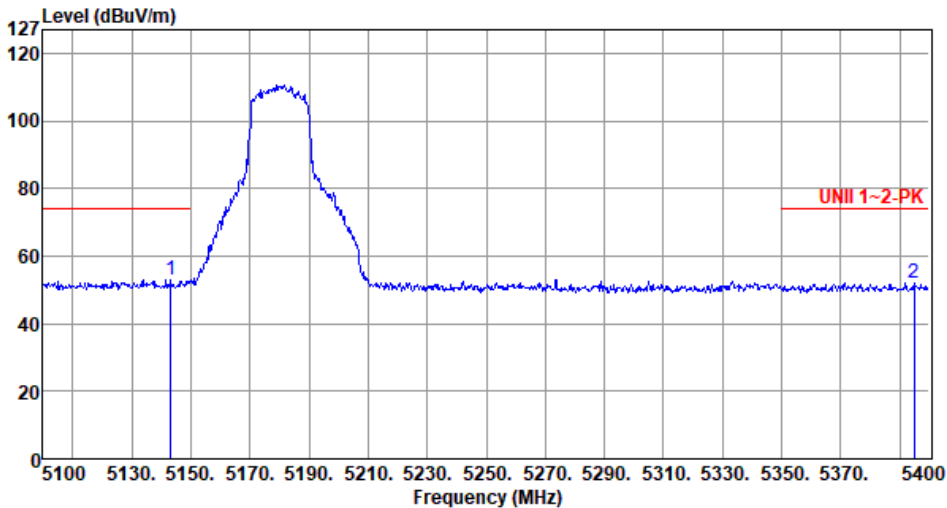
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5180																														
Polarization	Horizontal-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
Level (dBuV/m) 127 120 100 80 60 40 20 0 5100 5130 5150 5170 5190 5210 5230 5250 5270 5290 5310 5330 5350 5370 5400 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>5149.20</td><td>40.61</td><td>54.00</td><td>-13.39</td><td>39.51</td><td>1.10</td><td>Average</td><td>168</td><td>46</td></tr><tr><td>2</td><td>5386.50</td><td>39.66</td><td>54.00</td><td>-14.34</td><td>39.26</td><td>0.40</td><td>Average</td><td>168</td><td>46</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	5149.20	40.61	54.00	-13.39	39.51	1.10	Average	168	46	2	5386.50	39.66	54.00	-14.34	39.26	0.40	Average	168	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																								
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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).																																	



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5180
Polarization	Vertical-Peak		
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66			
Level (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 5143.20 53.03 74.00 -20.97 51.95 1.08 Peak 209 357 2 5394.90 52.01 74.00 -21.99 51.59 0.42 Peak 209 357			
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).			



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5180																														
Polarization	Vertical-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5149.50</td><td>41.01</td><td>54.00</td><td>-12.99</td><td>39.91</td><td>1.10</td><td>Average</td><td>209</td><td>357</td></tr><tr><td>2</td><td>5354.70</td><td>39.68</td><td>54.00</td><td>-14.32</td><td>39.35</td><td>0.33</td><td>Average</td><td>209</td><td>357</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	5149.50	41.01	54.00	-12.99	39.91	1.10	Average	209	357	2	5354.70	39.68	54.00	-14.32	39.35	0.33	Average	209	357
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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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).																																	



Band Edge measurement

Appendix D

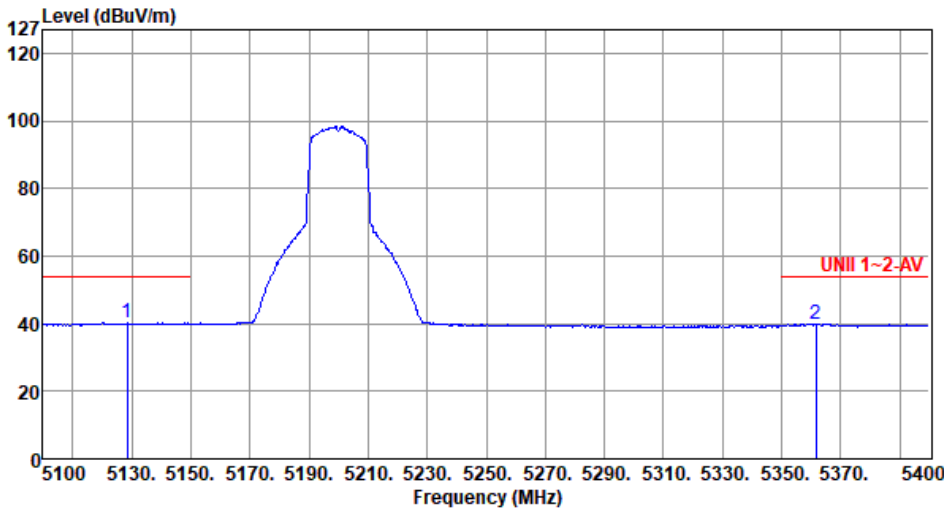
Modulation	ax HE20	Test Freq. (MHz)	5200						
Polarization	Horizontal-Peak								
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66									
Level (dBuV/m) UNII 1~2-PK Frequency (MHz)									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5107.80	52.46	74.00	-21.54	51.45	1.01	Peak	170	66
2	5377.80	52.67	74.00	-21.33	52.28	0.39	Peak	170	66

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).



Band Edge measurement

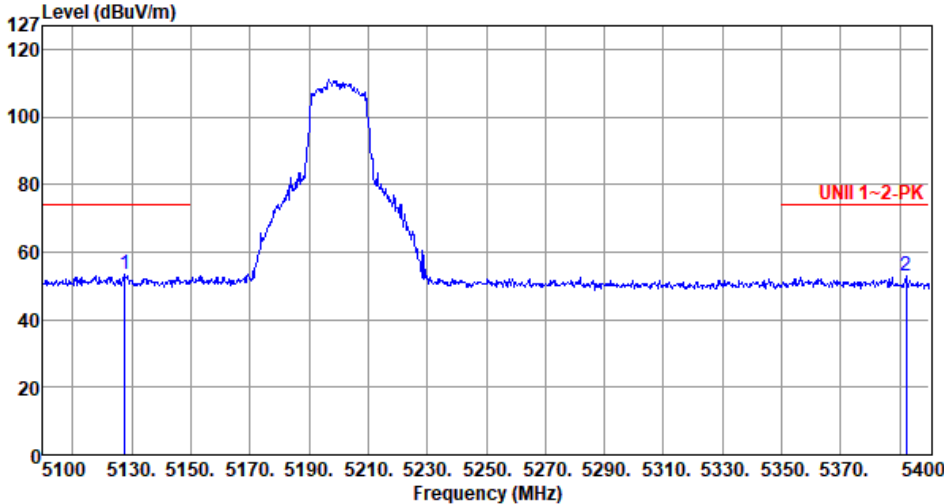
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5200																														
Polarization	Horizontal-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5128.50</td><td>40.20</td><td>54.00</td><td>-13.80</td><td>39.15</td><td>1.05</td><td>Average</td><td>170</td><td>66</td></tr><tr><td>2</td><td>5361.60</td><td>39.93</td><td>54.00</td><td>-14.07</td><td>39.58</td><td>0.35</td><td>Average</td><td>170</td><td>66</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	5128.50	40.20	54.00	-13.80	39.15	1.05	Average	170	66	2	5361.60	39.93	54.00	-14.07	39.58	0.35	Average	170	66
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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2	5361.60	39.93	54.00	-14.07	39.58	0.35	Average	170	66																								
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).																																	



Band Edge measurement

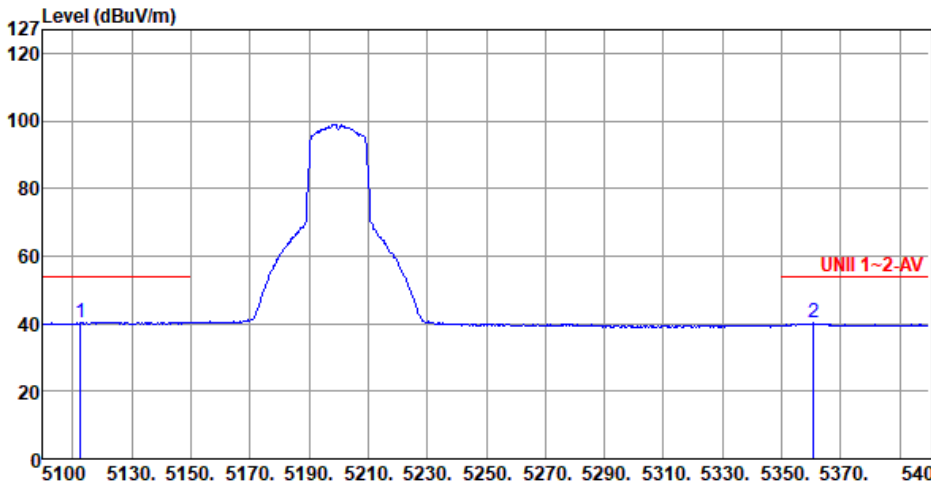
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5200																														
Polarization	Vertical-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5127.60</td><td>53.58</td><td>74.00</td><td>-20.42</td><td>52.53</td><td>1.05</td><td>Peak</td><td>188</td><td>353</td></tr><tr><td>2</td><td>5392.20</td><td>52.95</td><td>74.00</td><td>-21.05</td><td>52.55</td><td>0.40</td><td>Peak</td><td>188</td><td>353</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	5127.60	53.58	74.00	-20.42	52.53	1.05	Peak	188	353	2	5392.20	52.95	74.00	-21.05	52.55	0.40	Peak	188	353
	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	5127.60	53.58	74.00	-20.42	52.53	1.05	Peak	188	353																								
2	5392.20	52.95	74.00	-21.05	52.55	0.40	Peak	188	353																								
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).																																	



Band Edge measurement

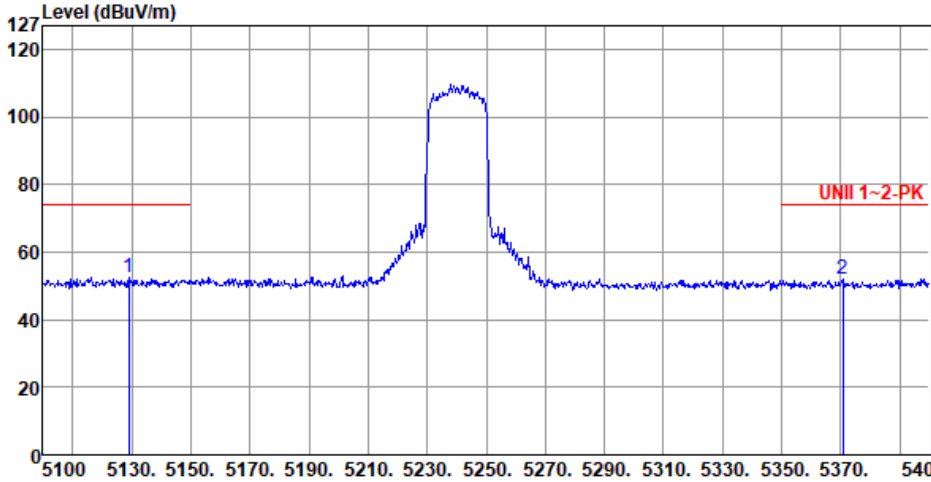
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5200																														
Polarization	Vertical-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5112.60</td><td>40.41</td><td>54.00</td><td>-13.59</td><td>39.40</td><td>1.01</td><td>Average</td><td>188</td><td>353</td></tr><tr><td>2</td><td>5360.70</td><td>40.21</td><td>54.00</td><td>-13.79</td><td>39.87</td><td>0.34</td><td>Average</td><td>188</td><td>353</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	5112.60	40.41	54.00	-13.59	39.40	1.01	Average	188	353	2	5360.70	40.21	54.00	-13.79	39.87	0.34	Average	188	353
	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	5112.60	40.41	54.00	-13.59	39.40	1.01	Average	188	353																								
2	5360.70	40.21	54.00	-13.79	39.87	0.34	Average	188	353																								
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).																																	



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5240																																								
Polarization	Horizontal-Peak																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
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>5129.10</td><td>52.58</td><td>74.00</td><td>-21.42</td><td>51.53</td><td>1.05</td><td>Peak</td><td>183</td><td>294</td></tr><tr><td>2</td><td>5370.60</td><td>52.09</td><td>74.00</td><td>-21.91</td><td>51.73</td><td>0.36</td><td>Peak</td><td>258</td><td>311</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	5129.10	52.58	74.00	-21.42	51.53	1.05	Peak	183	294	2	5370.60	52.09	74.00	-21.91	51.73	0.36	Peak	258	311
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table																																		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg																																		
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Band Edge measurement

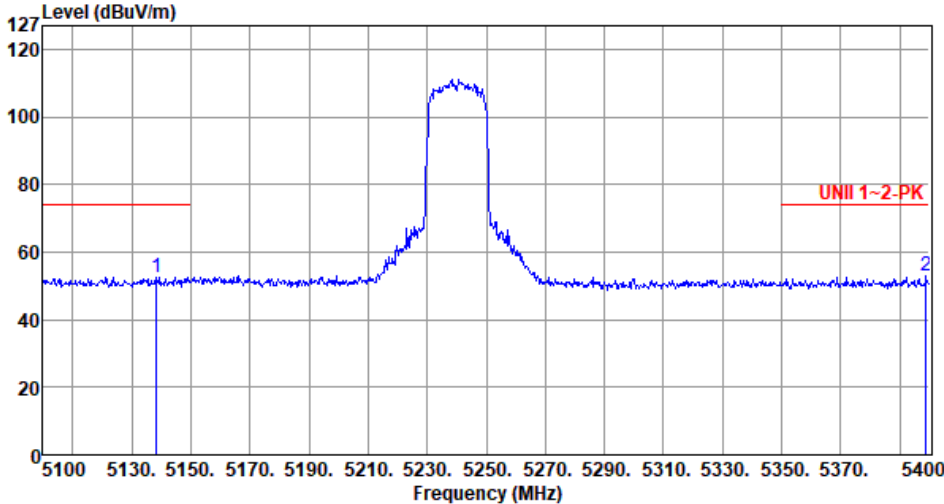
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5240																														
Polarization	Horizontal-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
Level (dBuV/m) 127 120 100 80 60 40 20 0 5100 5130 5150 5170 5190 5210 5230 5250 5270 5290 5310 5330 5350 5370 5400 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>5149.50</td><td>40.09</td><td>54.00</td><td>-13.91</td><td>38.99</td><td>1.10</td><td>Average</td><td>183</td><td>294</td></tr><tr><td>2</td><td>5396.40</td><td>39.77</td><td>54.00</td><td>-14.23</td><td>39.35</td><td>0.42</td><td>Average</td><td>258</td><td>311</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	5149.50	40.09	54.00	-13.91	38.99	1.10	Average	183	294	2	5396.40	39.77	54.00	-14.23	39.35	0.42	Average	258	311
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Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5240																																								
Polarization	Vertical-Peak																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
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>5138.40</td><td>52.66</td><td>74.00</td><td>-21.34</td><td>51.59</td><td>1.07</td><td>Peak</td><td>136</td><td>202</td></tr><tr><td>2</td><td>5398.80</td><td>53.16</td><td>74.00</td><td>-20.84</td><td>52.73</td><td>0.43</td><td>Peak</td><td>175</td><td>3</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	5138.40	52.66	74.00	-21.34	51.59	1.07	Peak	136	202	2	5398.80	53.16	74.00	-20.84	52.73	0.43	Peak	175	3
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Band Edge measurement

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Modulation	ax HE20	Test Freq. (MHz)	5240																														
Polarization	Vertical-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
Level (dBuV/m) 1 2 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>5128.50</td><td>40.27</td><td>54.00</td><td>-13.73</td><td>39.22</td><td>1.05</td><td>Average</td><td>136</td><td>202</td></tr><tr><td>2</td><td>5398.50</td><td>40.22</td><td>54.00</td><td>-13.78</td><td>39.79</td><td>0.43</td><td>Average</td><td>175</td><td>3</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	5128.50	40.27	54.00	-13.73	39.22	1.05	Average	136	202	2	5398.50	40.22	54.00	-13.78	39.79	0.43	Average	175	3
	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	5128.50	40.27	54.00	-13.73	39.22	1.05	Average	136	202																								
2	5398.50	40.22	54.00	-13.78	39.79	0.43	Average	175	3																								



Band Edge measurement

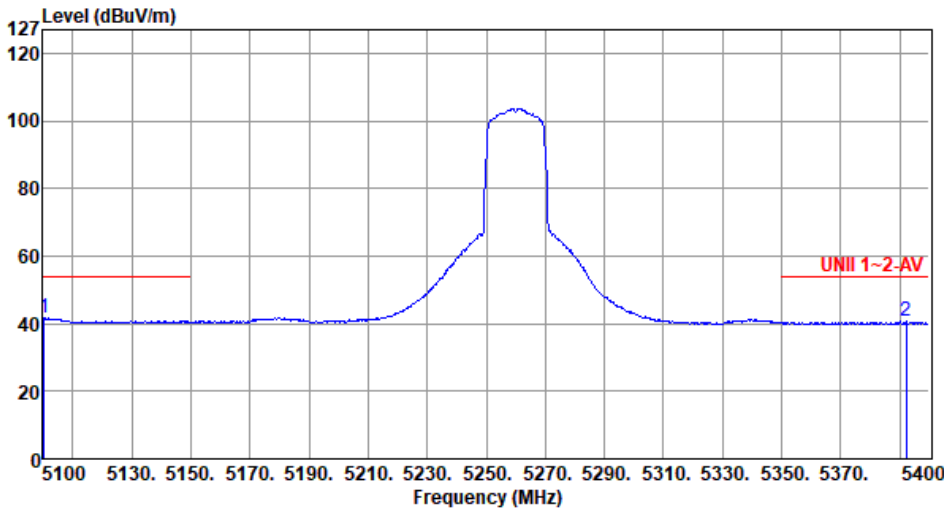
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5260																																																		
Polarization	Horizontal-Peak																																																				
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																					
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>5107.50</td><td>53.98</td><td>74.00</td><td>-20.02</td><td>52.98</td><td>1.00</td><td>Peak</td><td>243</td><td>59</td></tr><tr><td>2</td><td>5352.00</td><td>53.57</td><td>74.00</td><td>-20.43</td><td>53.25</td><td>0.32</td><td>Peak</td><td>243</td><td>59</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	5107.50	53.98	74.00	-20.02	52.98	1.00	Peak	243	59	2	5352.00	53.57	74.00	-20.43	53.25	0.32	Peak	243	59
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																												
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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).																																																					



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5260
Polarization	Horizontal-Average		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (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 5100.30 41.56 54.00 -12.44 40.57 0.99 Average 243 59 2 5392.20 40.66 54.00 -13.34 40.26 0.40 Average 243 59			
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).			



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5260																														
Polarization	Vertical-Peak																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
Level (dBuV/m) UNII 1-2-PK 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>5103.00</td><td>54.63</td><td>74.00</td><td>-19.37</td><td>53.63</td><td>1.00</td><td>Peak</td><td>180</td><td>8</td></tr><tr><td>2</td><td>5365.50</td><td>53.82</td><td>74.00</td><td>-20.18</td><td>53.46</td><td>0.36</td><td>Peak</td><td>180</td><td>8</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	5103.00	54.63	74.00	-19.37	53.63	1.00	Peak	180	8	2	5365.50	53.82	74.00	-20.18	53.46	0.36	Peak	180	8
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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Band Edge measurement

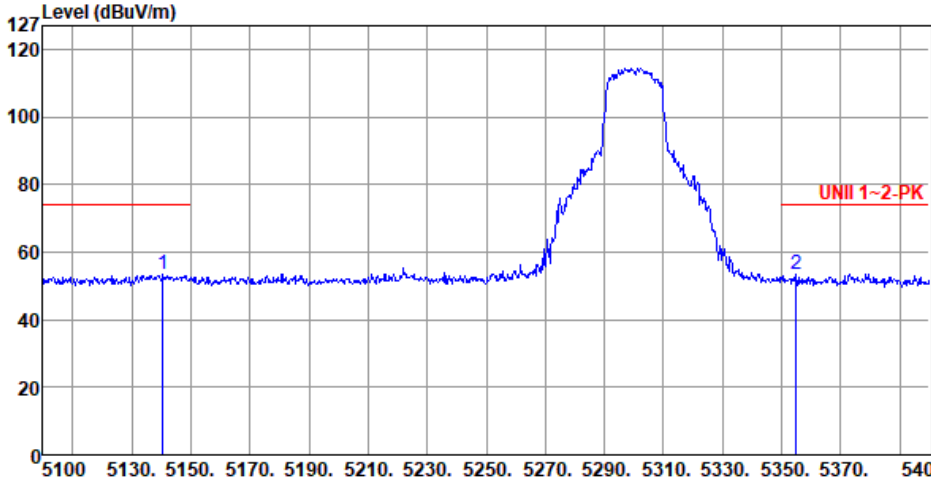
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5260																														
Polarization	Vertical-Average																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
Level (dBuV/m) 1 2 UNII 1~2-AV 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>5101.20</td><td>42.04</td><td>54.00</td><td>-11.96</td><td>41.05</td><td>0.99</td><td>Average</td><td>180</td><td>8</td></tr><tr><td>2</td><td>5377.80</td><td>40.64</td><td>54.00</td><td>-13.36</td><td>40.25</td><td>0.39</td><td>Average</td><td>180</td><td>8</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. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg	1	5101.20	42.04	54.00	-11.96	41.05	0.99	Average	180	8	2	5377.80	40.64	54.00	-13.36	40.25	0.39	Average	180	8
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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Band Edge measurement

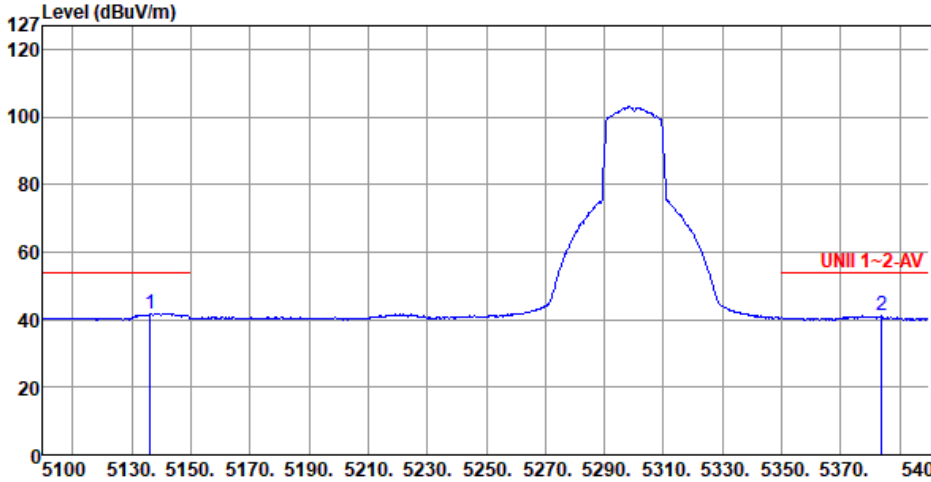
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5300																														
Polarization	Horizontal-Peak																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
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>5140.50</td><td>53.26</td><td>74.00</td><td>-20.74</td><td>52.19</td><td>1.07</td><td>Peak</td><td>237</td><td>59</td></tr><tr><td>2</td><td>5355.00</td><td>53.59</td><td>74.00</td><td>-20.41</td><td>53.26</td><td>0.33</td><td>Peak</td><td>237</td><td>59</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	5140.50	53.26	74.00	-20.74	52.19	1.07	Peak	237	59	2	5355.00	53.59	74.00	-20.41	53.26	0.33	Peak	237	59
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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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).																																	



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5300																														
Polarization	Horizontal-Average																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
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>5136.30</td><td>41.89</td><td>54.00</td><td>-12.11</td><td>40.83</td><td>1.06</td><td>Average</td><td>237</td><td>59</td></tr><tr><td>2</td><td>5383.80</td><td>41.06</td><td>54.00</td><td>-12.94</td><td>40.66</td><td>0.40</td><td>Average</td><td>237</td><td>59</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	5136.30	41.89	54.00	-12.11	40.83	1.06	Average	237	59	2	5383.80	41.06	54.00	-12.94	40.66	0.40	Average	237	59
	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	5136.30	41.89	54.00	-12.11	40.83	1.06	Average	237	59																								
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Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5300																														
Polarization	Vertical-Peak																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
Level (dBUV/m) UNII 1-2-PK 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>5142.30</td><td>53.98</td><td>74.00</td><td>-20.02</td><td>52.91</td><td>1.07</td><td>Peak</td><td>184</td><td>6</td></tr><tr><td>2</td><td>5387.10</td><td>53.52</td><td>74.00</td><td>-20.48</td><td>53.12</td><td>0.40</td><td>Peak</td><td>184</td><td>6</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	5142.30	53.98	74.00	-20.02	52.91	1.07	Peak	184	6	2	5387.10	53.52	74.00	-20.48	53.12	0.40	Peak	184	6
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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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).																																	



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5300																														
Polarization	Vertical-Average																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
Level (dBUV/m) 1 2 UNII 1~2-AV 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>5139.30</td><td>42.30</td><td>54.00</td><td>-11.70</td><td>41.23</td><td>1.07</td><td>Average</td><td>184</td><td>6</td></tr><tr><td>2</td><td>5377.80</td><td>41.00</td><td>54.00</td><td>-13.00</td><td>40.61</td><td>0.39</td><td>Average</td><td>184</td><td>6</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	5139.30	42.30	54.00	-11.70	41.23	1.07	Average	184	6	2	5377.80	41.00	54.00	-13.00	40.61	0.39	Average	184	6
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5320
Polarization	Horizontal-Peak		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBuV/m) <			



Band Edge measurement

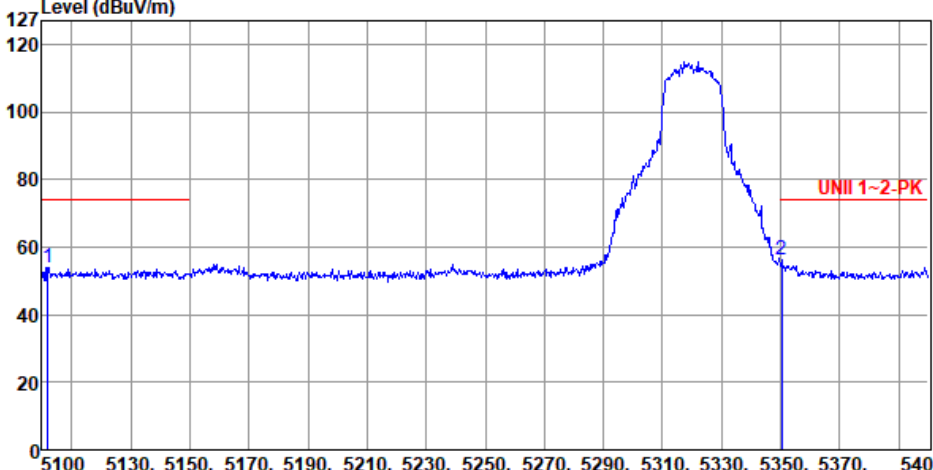
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5320
Polarization	Horizontal-Average		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) <			



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5320																																								
Polarization	Vertical-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5102.10</td><td>53.97</td><td>74.00</td><td>-20.03</td><td>52.98</td><td>0.99</td><td>Peak</td><td>180</td><td>356</td></tr><tr><td>2</td><td>5350.20</td><td>56.26</td><td>74.00</td><td>-17.74</td><td>55.94</td><td>0.32</td><td>Peak</td><td>180</td><td>356</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	5102.10	53.97	74.00	-20.03	52.98	0.99	Peak	180	356	2	5350.20	56.26	74.00	-17.74	55.94	0.32	Peak	180	356
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table																																		
	MHz	dBUV/m	dBUV/m	dB	dBuV	dB/m		cm	deg																																		
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Band Edge measurement

Appendix D

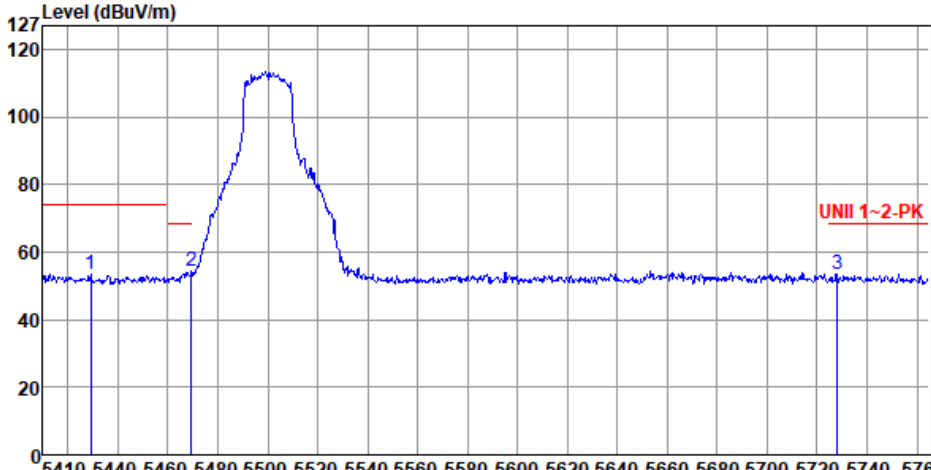
Modulation	ax HE20	Test Freq. (MHz)	5320						
Polarization	Vertical-Average								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
Level (dBUV/m) Frequency (MHz)									
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn
	MHz	level			reading			High	Table
		dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	5121.60	41.00	54.00	-13.00	39.97	1.03	Average	180	356
2	5350.20	42.93	54.00	-11.07	42.61	0.32	Average	180	356

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).



Band Edge measurement

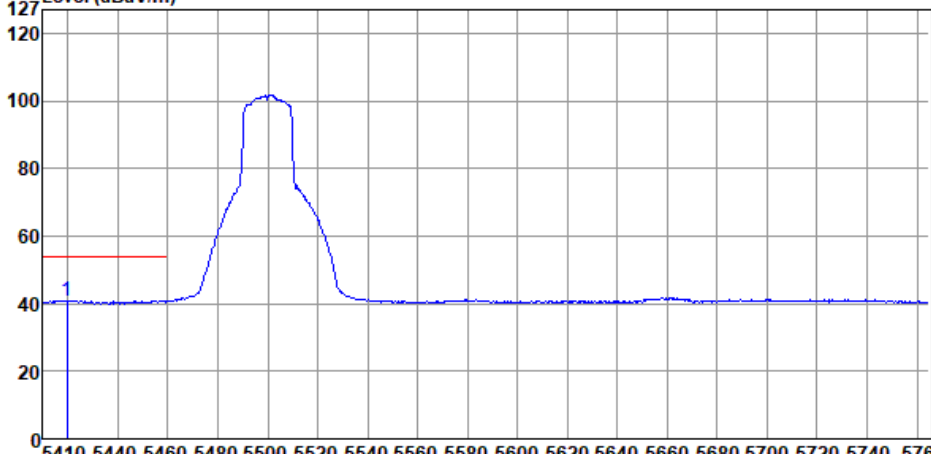
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5500																																								
Polarization	Horizontal-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5429.17</td><td>53.44</td><td>74.00</td><td>-20.56</td><td>52.87</td><td>0.57</td><td>Peak</td><td>219</td><td>74</td></tr><tr><td>2</td><td>5469.29</td><td>54.28</td><td>68.20</td><td>-13.92</td><td>53.56</td><td>0.72</td><td>Peak</td><td>219</td><td>74</td></tr><tr><td>3</td><td>5728.08</td><td>53.51</td><td>68.20</td><td>-14.69</td><td>52.39</td><td>1.12</td><td>Peak</td><td>219</td><td>74</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	5429.17	53.44	74.00	-20.56	52.87	0.57	Peak	219	74	2	5469.29	54.28	68.20	-13.92	53.56	0.72	Peak	219	74	3	5728.08	53.51	68.20	-14.69	52.39	1.12	Peak	219	74
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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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).																																											



Band Edge measurement

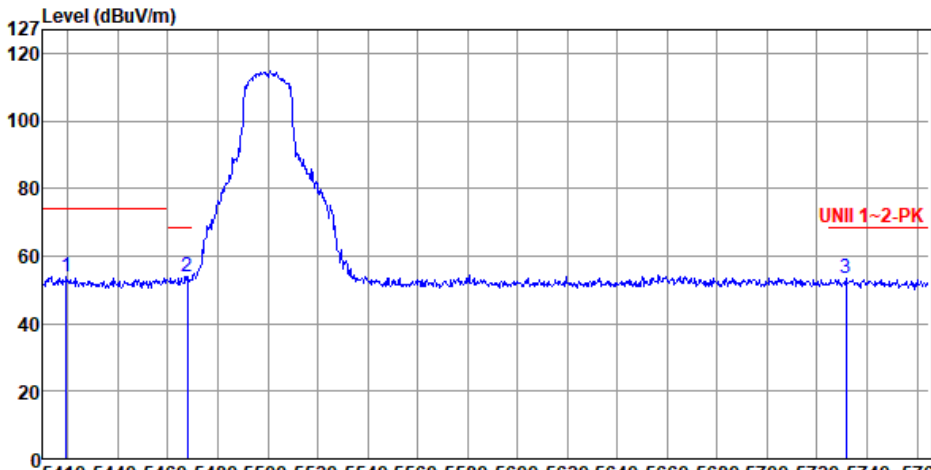
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5500																				
Polarization	Horizontal-Average																						
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																							
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>5419.59</td><td>40.96</td><td>54.00</td><td>-13.04</td><td>40.44</td><td>0.52</td><td>Average</td><td>219</td><td>74</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	5419.59	40.96	54.00	-13.04	40.44	0.52	Average	219	74
	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	5419.59	40.96	54.00	-13.04	40.44	0.52	Average	219	74														
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).																							



Band Edge measurement

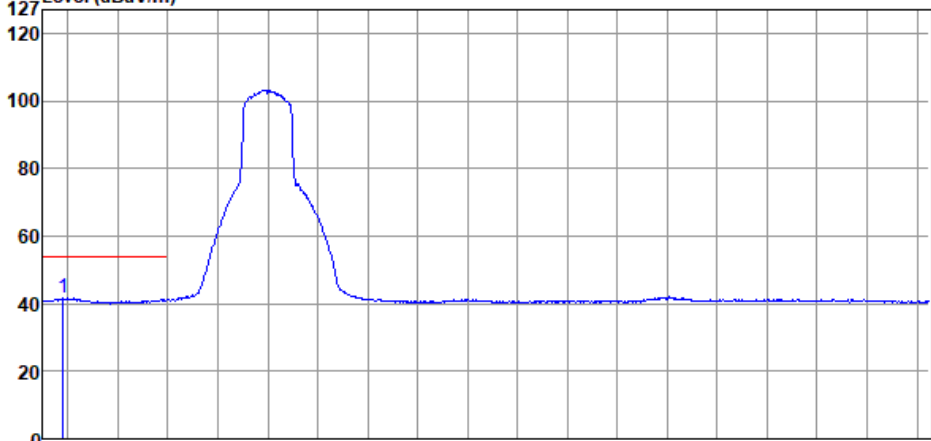
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5500																																								
Polarization	Vertical-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5419.23</td><td>53.83</td><td>74.00</td><td>-20.17</td><td>53.31</td><td>0.52</td><td>Peak</td><td>186</td><td>2</td></tr><tr><td>2</td><td>5467.87</td><td>54.05</td><td>68.20</td><td>-14.15</td><td>53.33</td><td>0.72</td><td>Peak</td><td>186</td><td>2</td></tr><tr><td>3</td><td>5731.63</td><td>53.23</td><td>68.20</td><td>-14.97</td><td>52.11</td><td>1.12</td><td>Peak</td><td>186</td><td>2</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	5419.23	53.83	74.00	-20.17	53.31	0.52	Peak	186	2	2	5467.87	54.05	68.20	-14.15	53.33	0.72	Peak	186	2	3	5731.63	53.23	68.20	-14.97	52.11	1.12	Peak	186	2
	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	5419.23	53.83	74.00	-20.17	53.31	0.52	Peak	186	2																																		
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3	5731.63	53.23	68.20	-14.97	52.11	1.12	Peak	186	2																																		
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).																																											



Band Edge measurement

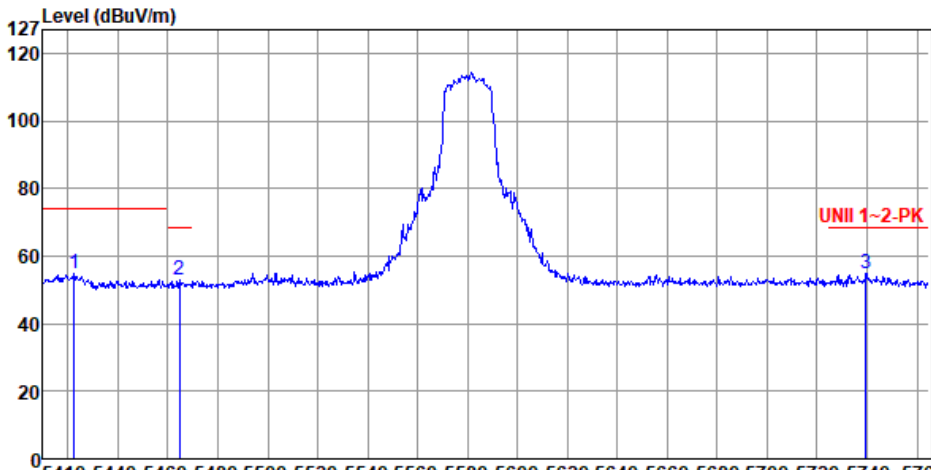
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5500																				
Polarization	Vertical-Average																						
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																							
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>5418.17</td><td>41.61</td><td>54.00</td><td>-12.39</td><td>41.10</td><td>0.51</td><td>Average</td><td>186</td><td>2</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	5418.17	41.61	54.00	-12.39	41.10	0.51	Average	186	2
	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	5418.17	41.61	54.00	-12.39	41.10	0.51	Average	186	2														
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).																							



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5580																																								
Polarization	Horizontal-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5422.43</td><td>55.02</td><td>74.00</td><td>-18.98</td><td>54.48</td><td>0.54</td><td>Peak</td><td>228</td><td>60</td></tr><tr><td>2</td><td>5464.67</td><td>52.73</td><td>68.20</td><td>-15.47</td><td>52.03</td><td>0.70</td><td>Peak</td><td>228</td><td>60</td></tr><tr><td>3</td><td>5739.44</td><td>54.92</td><td>68.20</td><td>-13.28</td><td>53.78</td><td>1.14</td><td>Peak</td><td>228</td><td>60</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	5422.43	55.02	74.00	-18.98	54.48	0.54	Peak	228	60	2	5464.67	52.73	68.20	-15.47	52.03	0.70	Peak	228	60	3	5739.44	54.92	68.20	-13.28	53.78	1.14	Peak	228	60
	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	5422.43	55.02	74.00	-18.98	54.48	0.54	Peak	228	60																																		
2	5464.67	52.73	68.20	-15.47	52.03	0.70	Peak	228	60																																		
3	5739.44	54.92	68.20	-13.28	53.78	1.14	Peak	228	60																																		
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).																																											



Band Edge measurement

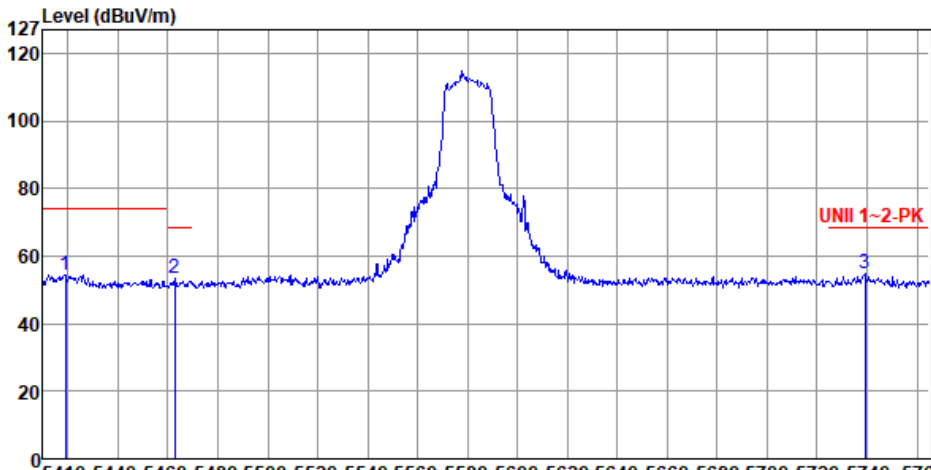
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5580																				
Polarization	Horizontal-Average																						
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																							
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>5421.01</td><td>42.40</td><td>54.00</td><td>-11.60</td><td>41.88</td><td>0.52</td><td>Average</td><td>228</td><td>60</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	5421.01	42.40	54.00	-11.60	41.88	0.52	Average	228	60
	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	5421.01	42.40	54.00	-11.60	41.88	0.52	Average	228	60														



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5580																																								
Polarization	Vertical-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5418.88</td><td>54.50</td><td>74.00</td><td>-19.50</td><td>53.98</td><td>0.52</td><td>Peak</td><td>183</td><td>5</td></tr><tr><td>2</td><td>5462.90</td><td>53.44</td><td>68.20</td><td>-14.76</td><td>52.74</td><td>0.70</td><td>Peak</td><td>183</td><td>5</td></tr><tr><td>3</td><td>5739.09</td><td>54.84</td><td>68.20</td><td>-13.36</td><td>53.70</td><td>1.14</td><td>Peak</td><td>183</td><td>5</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	5418.88	54.50	74.00	-19.50	53.98	0.52	Peak	183	5	2	5462.90	53.44	68.20	-14.76	52.74	0.70	Peak	183	5	3	5739.09	54.84	68.20	-13.36	53.70	1.14	Peak	183	5
	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	5418.88	54.50	74.00	-19.50	53.98	0.52	Peak	183	5																																		
2	5462.90	53.44	68.20	-14.76	52.74	0.70	Peak	183	5																																		
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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).																																											



Band Edge measurement

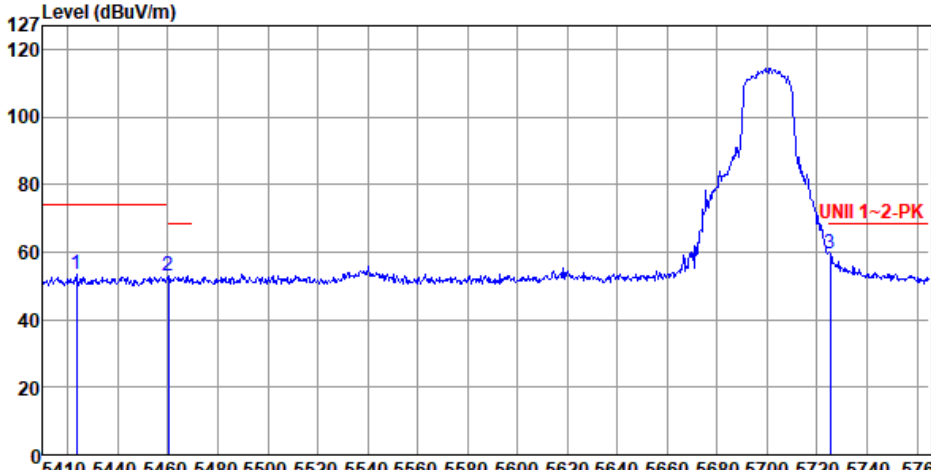
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5580
Polarization	Vertical-Average		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m)			



Band Edge measurement

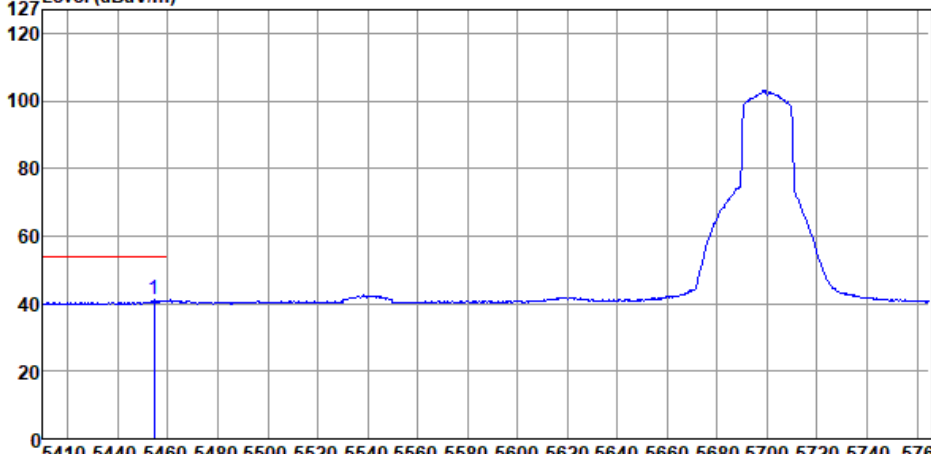
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5700																																								
Polarization	Horizontal-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5423.49</td><td>53.21</td><td>74.00</td><td>-20.79</td><td>52.67</td><td>0.54</td><td>Peak</td><td>218</td><td>55</td></tr><tr><td>2</td><td>5460.10</td><td>53.06</td><td>68.20</td><td>-15.14</td><td>52.37</td><td>0.69</td><td>Peak</td><td>218</td><td>55</td></tr><tr><td>3</td><td>5725.24</td><td>59.70</td><td>68.20</td><td>-8.50</td><td>58.59</td><td>1.11</td><td>Peak</td><td>218</td><td>55</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	5423.49	53.21	74.00	-20.79	52.67	0.54	Peak	218	55	2	5460.10	53.06	68.20	-15.14	52.37	0.69	Peak	218	55	3	5725.24	59.70	68.20	-8.50	58.59	1.11	Peak	218	55
	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	5423.49	53.21	74.00	-20.79	52.67	0.54	Peak	218	55																																		
2	5460.10	53.06	68.20	-15.14	52.37	0.69	Peak	218	55																																		
3	5725.24	59.70	68.20	-8.50	58.59	1.11	Peak	218	55																																		
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).																																											



Band Edge measurement

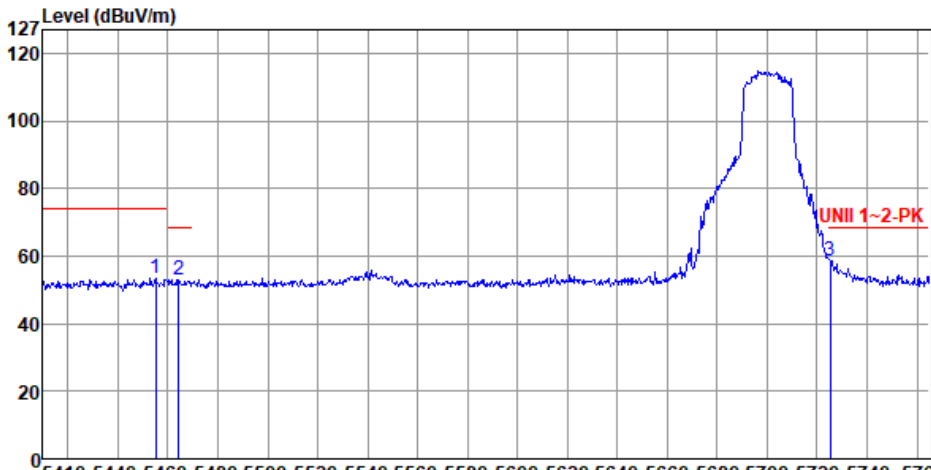
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5700																				
Polarization	Horizontal-Average																						
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																							
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>5454.38</td><td>41.05</td><td>54.00</td><td>-12.95</td><td>40.38</td><td>0.67</td><td>Average</td><td>218</td><td>55</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	5454.38	41.05	54.00	-12.95	40.38	0.67	Average	218	55
	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	5454.38	41.05	54.00	-12.95	40.38	0.67	Average	218	55														
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).																							



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5700																																								
Polarization	Vertical-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5455.09</td><td>53.42</td><td>74.00</td><td>-20.58</td><td>52.75</td><td>0.67</td><td>Peak</td><td>171</td><td>4</td></tr><tr><td>2</td><td>5464.32</td><td>52.89</td><td>68.20</td><td>-15.31</td><td>52.19</td><td>0.70</td><td>Peak</td><td>171</td><td>4</td></tr><tr><td>3</td><td>5725.24</td><td>58.50</td><td>68.20</td><td>-9.70</td><td>57.39</td><td>1.11</td><td>Peak</td><td>171</td><td>4</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	5455.09	53.42	74.00	-20.58	52.75	0.67	Peak	171	4	2	5464.32	52.89	68.20	-15.31	52.19	0.70	Peak	171	4	3	5725.24	58.50	68.20	-9.70	57.39	1.11	Peak	171	4
	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	5455.09	53.42	74.00	-20.58	52.75	0.67	Peak	171	4																																		
2	5464.32	52.89	68.20	-15.31	52.19	0.70	Peak	171	4																																		
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Band Edge measurement

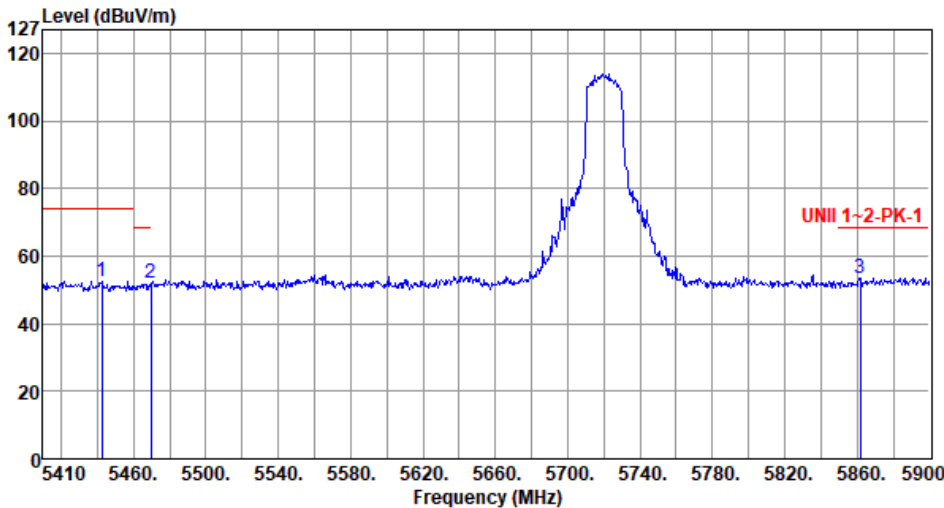
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5700
Polarization	Vertical-Average		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) <			



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5720																																																												
Polarization	Horizontal-Peak																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
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></th><th></th><th></th><th>dBuV</th><th></th><th></th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5442.34</td><td>52.46</td><td>74.00</td><td>-21.54</td><td>51.83</td><td>0.63</td><td>Peak</td><td>215</td><td>52</td></tr><tr><td>2</td><td>5469.78</td><td>52.11</td><td>68.20</td><td>-16.09</td><td>51.39</td><td>0.72</td><td>Peak</td><td>215</td><td>52</td></tr><tr><td>3</td><td>5861.78</td><td>53.59</td><td>68.20</td><td>-14.61</td><td>52.11</td><td>1.48</td><td>Peak</td><td>215</td><td>52</td></tr></table>					Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn		MHz	level	dBUV/m	dB	reading	dB/m		High	Table						dBuV			cm	deg	1	5442.34	52.46	74.00	-21.54	51.83	0.63	Peak	215	52	2	5469.78	52.11	68.20	-16.09	51.39	0.72	Peak	215	52	3	5861.78	53.59	68.20	-14.61	52.11	1.48	Peak	215	52
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																																						
	MHz	level	dBUV/m	dB	reading	dB/m		High	Table																																																						
					dBuV			cm	deg																																																						
1	5442.34	52.46	74.00	-21.54	51.83	0.63	Peak	215	52																																																						
2	5469.78	52.11	68.20	-16.09	51.39	0.72	Peak	215	52																																																						
3	5861.78	53.59	68.20	-14.61	52.11	1.48	Peak	215	52																																																						
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).																																																															



Band Edge measurement

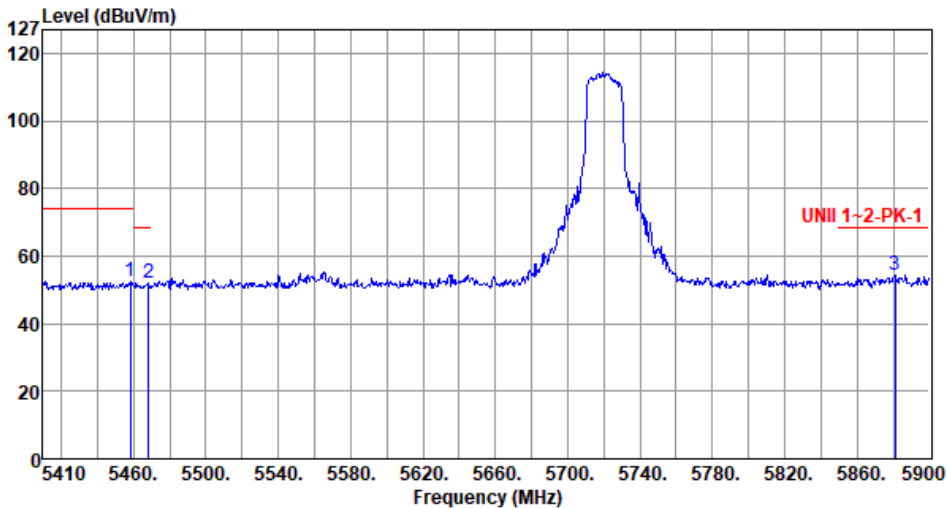
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5720																				
Polarization	Horizontal-Average																						
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																							
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>5441.36</td><td>40.55</td><td>54.00</td><td>-13.45</td><td>39.92</td><td>0.63</td><td>Average</td><td>215</td><td>52</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	5441.36	40.55	54.00	-13.45	39.92	0.63	Average	215	52
	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	5441.36	40.55	54.00	-13.45	39.92	0.63	Average	215	52														



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5720																																																												
Polarization	Vertical-Peak																																																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																																															
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><td></td><td></td><td>dBUV/m</td><td></td><td></td><td>dBUV</td><td></td><td></td><td>cm</td><td>deg</td></tr><tr><td>1</td><td>5458.51</td><td>52.48</td><td>74.00</td><td>-21.52</td><td>51.79</td><td>0.69</td><td>Peak</td><td>168</td><td>5</td></tr><tr><td>2</td><td>5468.31</td><td>52.08</td><td>68.20</td><td>-16.12</td><td>51.36</td><td>0.72</td><td>Peak</td><td>168</td><td>5</td></tr><tr><td>3</td><td>5880.89</td><td>54.40</td><td>68.20</td><td>-13.80</td><td>52.85</td><td>1.55</td><td>Peak</td><td>168</td><td>5</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	5458.51	52.48	74.00	-21.52	51.79	0.69	Peak	168	5	2	5468.31	52.08	68.20	-16.12	51.36	0.72	Peak	168	5	3	5880.89	54.40	68.20	-13.80	52.85	1.55	Peak	168	5
	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	5458.51	52.48	74.00	-21.52	51.79	0.69	Peak	168	5																																																						
2	5468.31	52.08	68.20	-16.12	51.36	0.72	Peak	168	5																																																						
3	5880.89	54.40	68.20	-13.80	52.85	1.55	Peak	168	5																																																						
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).																																																															



Band Edge measurement

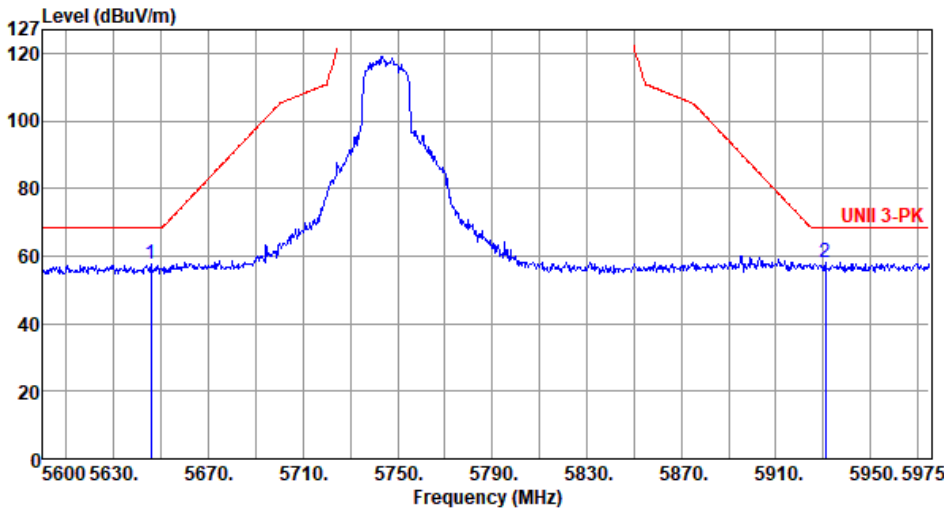
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5720
Polarization	Vertical-Average		
Test By :Brad Wu Temperature(°C):24 Humidity(%):65			
Level (dBUV/m) </			



Band Edge measurement

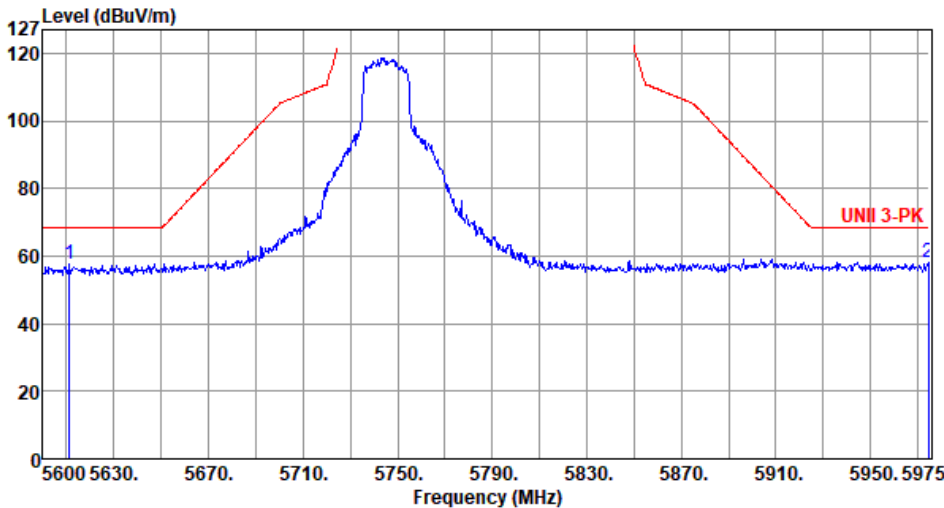
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5745																														
Polarization	Horizontal-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5645.75</td><td>57.46</td><td>68.20</td><td>-10.74</td><td>56.55</td><td>0.91</td><td>Peak</td><td>293</td><td>57</td></tr><tr><td>2</td><td>5931.13</td><td>58.21</td><td>68.20</td><td>-9.99</td><td>56.55</td><td>1.66</td><td>Peak</td><td>293</td><td>57</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	5645.75	57.46	68.20	-10.74	56.55	0.91	Peak	293	57	2	5931.13	58.21	68.20	-9.99	56.55	1.66	Peak	293	57
	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	5645.75	57.46	68.20	-10.74	56.55	0.91	Peak	293	57																								
2	5931.13	58.21	68.20	-9.99	56.55	1.66	Peak	293	57																								
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).																																	



Band Edge measurement

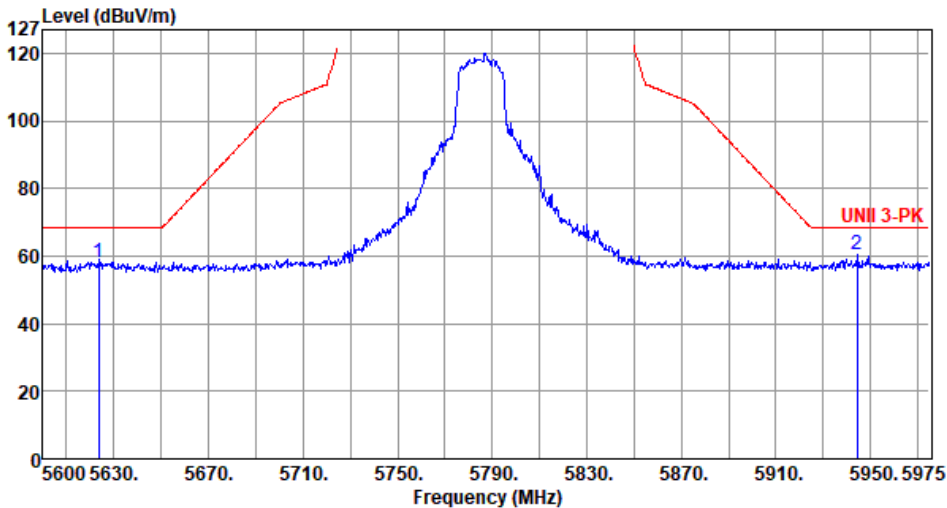
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5745																																																		
Polarization	Vertical-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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>5611.25</td><td>57.84</td><td>68.20</td><td>-10.36</td><td>57.01</td><td>0.83</td><td>Peak</td><td>151</td><td>352</td></tr><tr><td>2</td><td>5974.63</td><td>58.04</td><td>68.20</td><td>-10.16</td><td>56.32</td><td>1.72</td><td>Peak</td><td>151</td><td>352</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	5611.25	57.84	68.20	-10.36	57.01	0.83	Peak	151	352	2	5974.63	58.04	68.20	-10.16	56.32	1.72	Peak	151	352
	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	5611.25	57.84	68.20	-10.36	57.01	0.83	Peak	151	352																																												
2	5974.63	58.04	68.20	-10.16	56.32	1.72	Peak	151	352																																												
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).																																																					



Band Edge measurement

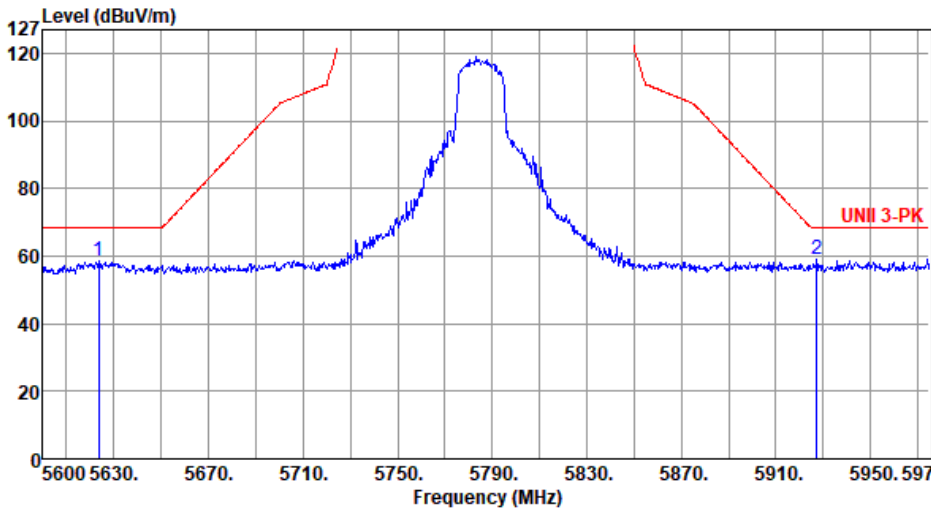
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5785																																								
Polarization	Horizontal-Peak																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
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>5623.63</td><td>57.96</td><td>68.20</td><td>-10.24</td><td>57.10</td><td>0.86</td><td>Peak</td><td>176</td><td>70</td></tr><tr><td>2</td><td>5944.25</td><td>60.58</td><td>68.20</td><td>-7.62</td><td>58.91</td><td>1.67</td><td>Peak</td><td>173</td><td>58</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	5623.63	57.96	68.20	-10.24	57.10	0.86	Peak	176	70	2	5944.25	60.58	68.20	-7.62	58.91	1.67	Peak	173	58
	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	5623.63	57.96	68.20	-10.24	57.10	0.86	Peak	176	70																																		
2	5944.25	60.58	68.20	-7.62	58.91	1.67	Peak	173	58																																		
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).																																											



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5785																														
Polarization	Vertical-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5623.63</td><td>58.59</td><td>68.20</td><td>-9.61</td><td>57.73</td><td>0.86</td><td>Peak</td><td>153</td><td>358</td></tr><tr><td>2</td><td>5927.38</td><td>58.93</td><td>68.20</td><td>-9.27</td><td>57.27</td><td>1.66</td><td>Peak</td><td>101</td><td>30</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	5623.63	58.59	68.20	-9.61	57.73	0.86	Peak	153	358	2	5927.38	58.93	68.20	-9.27	57.27	1.66	Peak	101	30
	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	5623.63	58.59	68.20	-9.61	57.73	0.86	Peak	153	358																								
2	5927.38	58.93	68.20	-9.27	57.27	1.66	Peak	101	30																								
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).																																	



Band Edge measurement

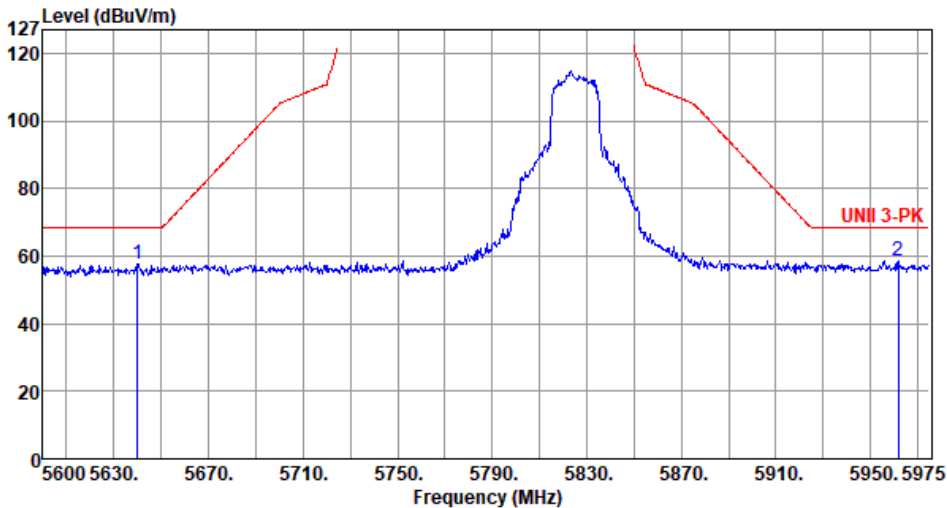
Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5825																														
Polarization	Horizontal-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5620.25</td><td>58.04</td><td>68.20</td><td>-10.16</td><td>57.19</td><td>0.85</td><td>Peak</td><td>171</td><td>66</td></tr><tr><td>2</td><td>5934.13</td><td>58.72</td><td>68.20</td><td>-9.48</td><td>57.06</td><td>1.66</td><td>Peak</td><td>171</td><td>66</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	5620.25	58.04	68.20	-10.16	57.19	0.85	Peak	171	66	2	5934.13	58.72	68.20	-9.48	57.06	1.66	Peak	171	66
	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	5620.25	58.04	68.20	-10.16	57.19	0.85	Peak	171	66																								
2	5934.13	58.72	68.20	-9.48	57.06	1.66	Peak	171	66																								
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).																																	



Band Edge measurement

Appendix D

Modulation	ax HE20	Test Freq. (MHz)	5825																														
Polarization	Vertical-Peak																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5640.13</td><td>57.83</td><td>68.20</td><td>-10.37</td><td>56.94</td><td>0.89</td><td>Peak</td><td>139</td><td>296</td></tr><tr><td>2</td><td>5961.88</td><td>58.79</td><td>68.20</td><td>-9.41</td><td>57.10</td><td>1.69</td><td>Peak</td><td>139</td><td>296</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	5640.13	57.83	68.20	-10.37	56.94	0.89	Peak	139	296	2	5961.88	58.79	68.20	-9.41	57.10	1.69	Peak	139	296
	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	5640.13	57.83	68.20	-10.37	56.94	0.89	Peak	139	296																								
2	5961.88	58.79	68.20	-9.41	57.10	1.69	Peak	139	296																								
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).																																	



Band Edge measurement

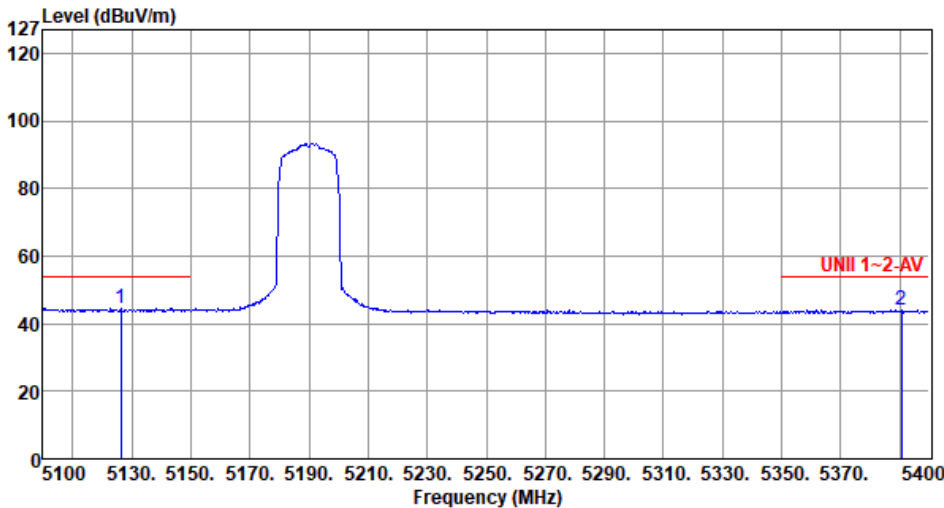
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5190																																																		
Polarization	Horizontal-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
Level (dBuV/m) 127 120 100 80 60 40 20 0 5100 5130 5150 5170 5190 5210 5230 5250 5270 5290 5310 5330 5350 5370 5400 Frequency (MHz) UNII 1~2-PK 1 2 <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>5103.00</td><td>56.67</td><td>74.00</td><td>-17.33</td><td>55.67</td><td>1.00</td><td>Peak</td><td>281</td><td>343</td></tr><tr><td>2</td><td>5389.20</td><td>56.59</td><td>74.00</td><td>-17.41</td><td>56.18</td><td>0.41</td><td>Peak</td><td>281</td><td>343</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	5103.00	56.67	74.00	-17.33	55.67	1.00	Peak	281	343	2	5389.20	56.59	74.00	-17.41	56.18	0.41	Peak	281	343
	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	5103.00	56.67	74.00	-17.33	55.67	1.00	Peak	281	343																																												
2	5389.20	56.59	74.00	-17.41	56.18	0.41	Peak	281	343																																												
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).																																																					



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5190																																																		
Polarization	Horizontal-Average																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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>5126.40</td><td>44.50</td><td>54.00</td><td>-9.50</td><td>43.46</td><td>1.04</td><td>Average</td><td>281</td><td>343</td></tr><tr><td>2</td><td>5390.40</td><td>43.88</td><td>54.00</td><td>-10.12</td><td>43.48</td><td>0.40</td><td>Average</td><td>281</td><td>343</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	5126.40	44.50	54.00	-9.50	43.46	1.04	Average	281	343	2	5390.40	43.88	54.00	-10.12	43.48	0.40	Average	281	343
	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	5126.40	44.50	54.00	-9.50	43.46	1.04	Average	281	343																																												
2	5390.40	43.88	54.00	-10.12	43.48	0.40	Average	281	343																																												
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).																																																					



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5190																																								
Polarization	Vertical-Peak																																										
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																											
Level (dBuV/m) 1 2 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>5106.00</td><td>56.97</td><td>74.00</td><td>-17.03</td><td>55.97</td><td>1.00</td><td>Peak</td><td>322</td><td>248</td></tr><tr><td>2</td><td>5399.10</td><td>56.10</td><td>74.00</td><td>-17.90</td><td>55.67</td><td>0.43</td><td>Peak</td><td>322</td><td>248</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	5106.00	56.97	74.00	-17.03	55.97	1.00	Peak	322	248	2	5399.10	56.10	74.00	-17.90	55.67	0.43	Peak	322	248
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table																																		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg																																		
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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).																																											



Band Edge measurement

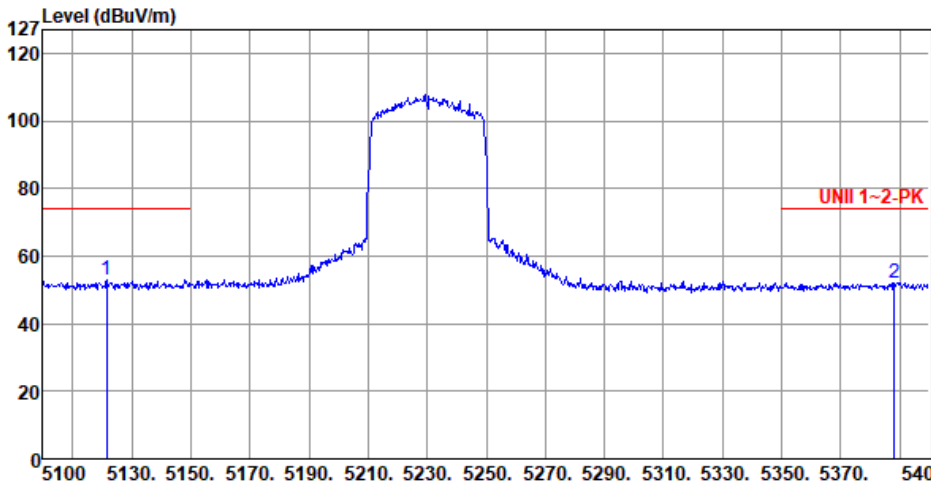
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5190																														
Polarization	Vertical-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5123.40</td><td>44.50</td><td>54.00</td><td>-9.50</td><td>43.46</td><td>1.04</td><td>Average</td><td>322</td><td>248</td></tr><tr><td>2</td><td>5387.10</td><td>43.95</td><td>54.00</td><td>-10.05</td><td>43.55</td><td>0.40</td><td>Average</td><td>322</td><td>248</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	5123.40	44.50	54.00	-9.50	43.46	1.04	Average	322	248	2	5387.10	43.95	54.00	-10.05	43.55	0.40	Average	322	248
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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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).																																	



Band Edge measurement

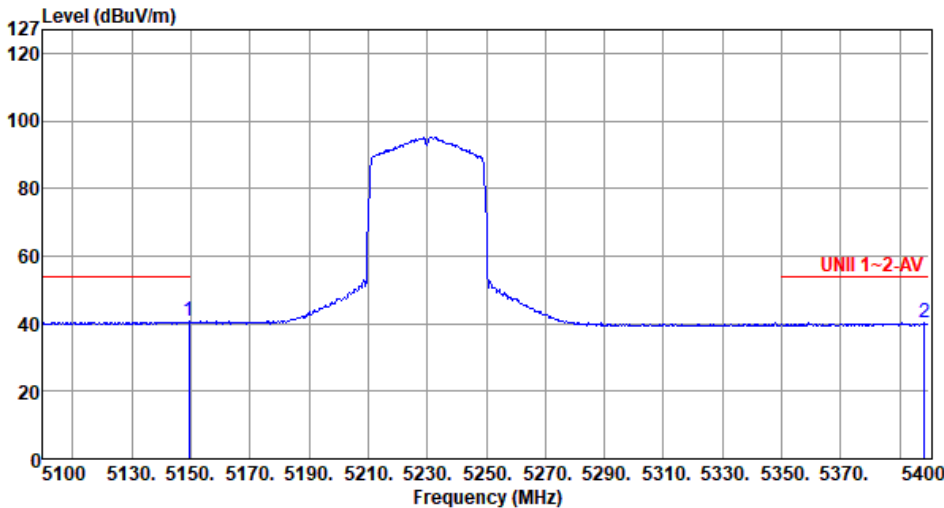
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5230																																																		
Polarization	Horizontal-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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>5121.60</td><td>53.00</td><td>74.00</td><td>-21.00</td><td>51.97</td><td>1.03</td><td>Peak</td><td>150</td><td>293</td></tr><tr><td>2</td><td>5388.00</td><td>52.23</td><td>74.00</td><td>-21.77</td><td>51.82</td><td>0.41</td><td>Peak</td><td>257</td><td>58</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	5121.60	53.00	74.00	-21.00	51.97	1.03	Peak	150	293	2	5388.00	52.23	74.00	-21.77	51.82	0.41	Peak	257	58
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																												
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		dBuV/m			dBuV			cm	deg																																												
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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).																																																					



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5230																														
Polarization	Horizontal-Average																																
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																	
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>5149.50</td><td>40.57</td><td>54.00</td><td>-13.43</td><td>39.47</td><td>1.10</td><td>Average</td><td>150</td><td>293</td></tr><tr><td>2</td><td>5398.20</td><td>40.15</td><td>54.00</td><td>-13.85</td><td>39.72</td><td>0.43</td><td>Average</td><td>257</td><td>58</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	5149.50	40.57	54.00	-13.43	39.47	1.10	Average	150	293	2	5398.20	40.15	54.00	-13.85	39.72	0.43	Average	257	58
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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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).																																	



Band Edge measurement

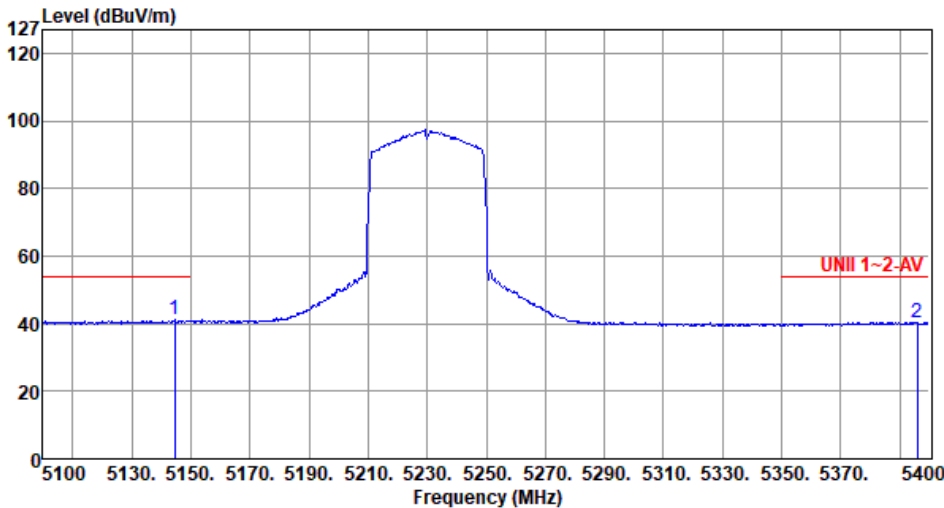
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5230																																																		
Polarization	Vertical-Peak																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
Level (dBuV/m) 1 2 UNII 1-2-PK 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>5146.80</td><td>52.91</td><td>74.00</td><td>-21.09</td><td>51.82</td><td>1.09</td><td>Peak</td><td>208</td><td>347</td></tr><tr><td>2</td><td>5374.20</td><td>53.02</td><td>74.00</td><td>-20.98</td><td>52.65</td><td>0.37</td><td>Peak</td><td>179</td><td>1</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	5146.80	52.91	74.00	-21.09	51.82	1.09	Peak	208	347	2	5374.20	53.02	74.00	-20.98	52.65	0.37	Peak	179	1
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																												
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Band Edge measurement

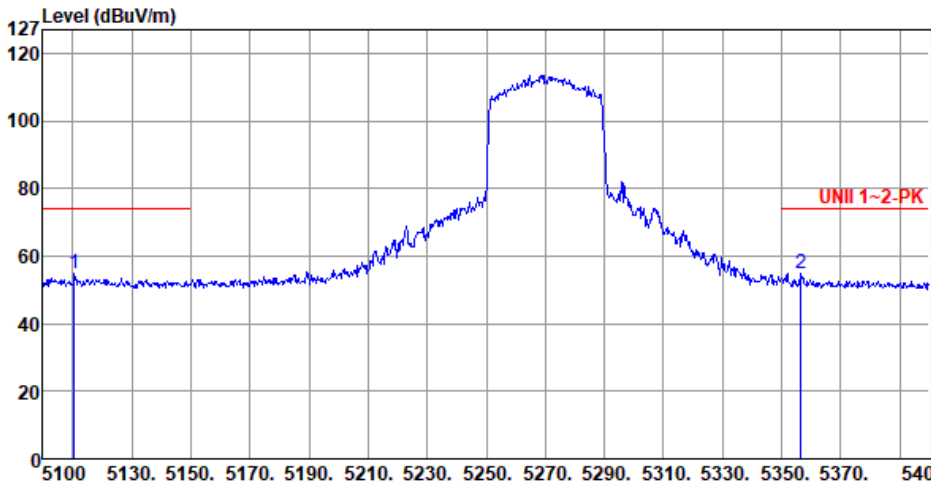
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5230																																																		
Polarization	Vertical-Average																																																				
Test By :Akun Chung_ Temperature(°C):26 Humidity(%):66																																																					
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>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>5144.70</td><td>41.13</td><td>54.00</td><td>-12.87</td><td>40.05</td><td>1.08</td><td>Average</td><td>208</td><td>347</td></tr><tr><td>2</td><td>5395.80</td><td>40.42</td><td>54.00</td><td>-13.58</td><td>40.00</td><td>0.42</td><td>Average</td><td>179</td><td>1</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	5144.70	41.13	54.00	-12.87	40.05	1.08	Average	208	347	2	5395.80	40.42	54.00	-13.58	40.00	0.42	Average	179	1
	Freq.	Emission	Limit	Margin	SA	Factor	Remark	ANT	Turn																																												
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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).																																																					



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5270																														
Polarization	Horizontal-Peak																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
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>5110.50</td><td>55.03</td><td>74.00</td><td>-18.97</td><td>54.03</td><td>1.00</td><td>Peak</td><td>250</td><td>67</td></tr><tr><td>2</td><td>5356.50</td><td>54.62</td><td>74.00</td><td>-19.38</td><td>54.29</td><td>0.33</td><td>Peak</td><td>250</td><td>67</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	5110.50	55.03	74.00	-18.97	54.03	1.00	Peak	250	67	2	5356.50	54.62	74.00	-19.38	54.29	0.33	Peak	250	67
	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	5110.50	55.03	74.00	-18.97	54.03	1.00	Peak	250	67																								
2	5356.50	54.62	74.00	-19.38	54.29	0.33	Peak	250	67																								
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).																																	



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5270						
Polarization	Horizontal-Average								
Test By :Brad Wu Temperature(°C):24 Humidity(%):65									
Level (dBuV/m) 1 2 UNII 1~2-AV Frequency (MHz)									
	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	5110.80	41.33	54.00	-12.67	40.33	1.00	Average	250	67
2	5352.90	41.38	54.00	-12.62	41.05	0.33	Average	250	67

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).



Band Edge measurement

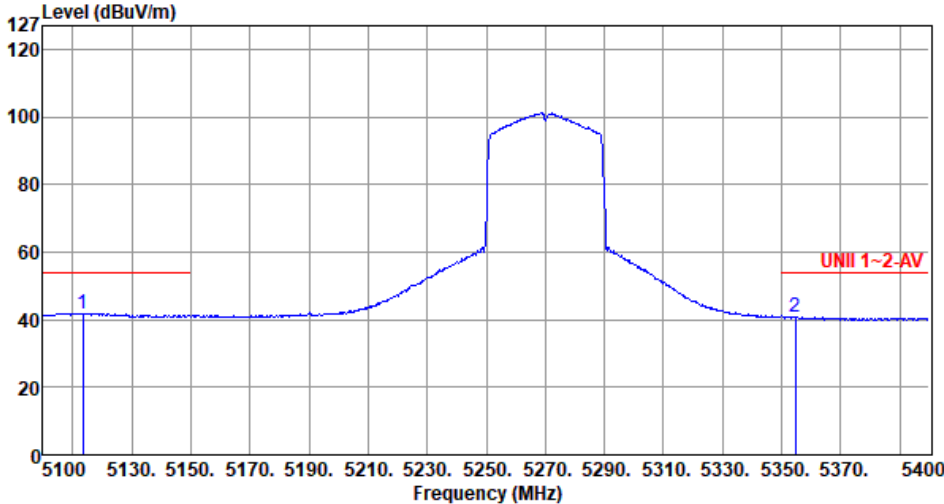
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5270																														
Polarization	Vertical-Peak																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
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>5113.80</td><td>55.26</td><td>74.00</td><td>-18.74</td><td>54.25</td><td>1.01</td><td>Peak</td><td>190</td><td>349</td></tr><tr><td>2</td><td>5360.70</td><td>52.97</td><td>74.00</td><td>-21.03</td><td>52.63</td><td>0.34</td><td>Peak</td><td>190</td><td>349</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	5113.80	55.26	74.00	-18.74	54.25	1.01	Peak	190	349	2	5360.70	52.97	74.00	-21.03	52.63	0.34	Peak	190	349
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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Band Edge measurement

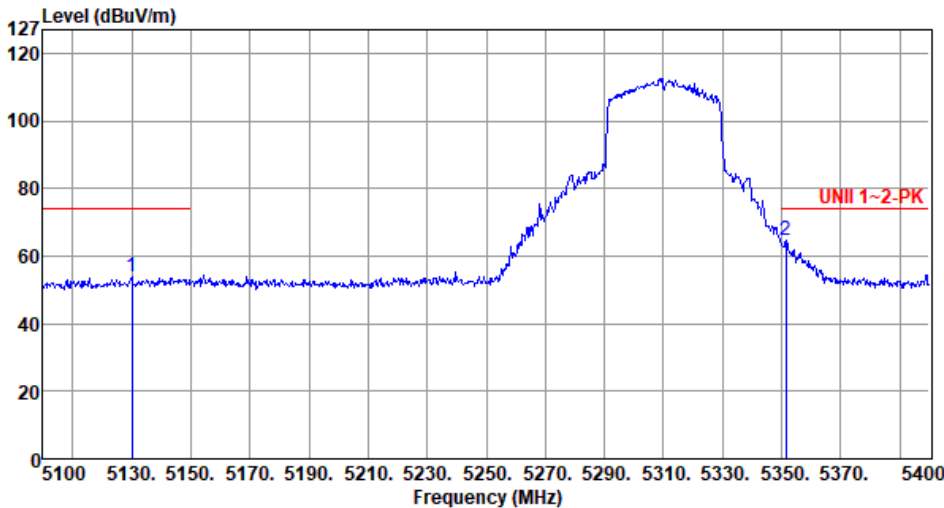
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5270																														
Polarization	Vertical-Average																																
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
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>5113.50</td><td>41.91</td><td>54.00</td><td>-12.09</td><td>40.90</td><td>1.01</td><td>Average</td><td>190</td><td>349</td></tr><tr><td>2</td><td>5354.70</td><td>40.83</td><td>54.00</td><td>-13.17</td><td>40.50</td><td>0.33</td><td>Average</td><td>190</td><td>349</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	5113.50	41.91	54.00	-12.09	40.90	1.01	Average	190	349	2	5354.70	40.83	54.00	-13.17	40.50	0.33	Average	190	349
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																								
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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).																																	



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5310																																																		
Polarization	Horizontal-Peak																																																				
Test By :Brad Wu- Temperature(°C):25 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>5130.00</td><td>53.84</td><td>74.00</td><td>-20.16</td><td>52.79</td><td>1.05</td><td>Peak</td><td>224</td><td>40</td></tr><tr><td>2</td><td>5351.40</td><td>64.76</td><td>74.00</td><td>-9.24</td><td>64.44</td><td>0.32</td><td>Peak</td><td>224</td><td>40</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	5130.00	53.84	74.00	-20.16	52.79	1.05	Peak	224	40	2	5351.40	64.76	74.00	-9.24	64.44	0.32	Peak	224	40
	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	5130.00	53.84	74.00	-20.16	52.79	1.05	Peak	224	40																																												
2	5351.40	64.76	74.00	-9.24	64.44	0.32	Peak	224	40																																												
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Band Edge measurement

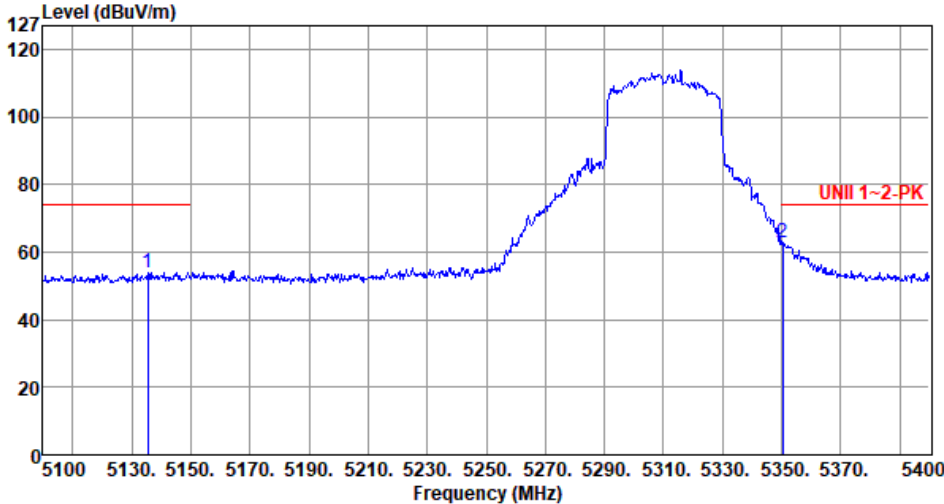
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5310																														
Polarization	Horizontal-Average																																
Test By :Brad Wu- Temperature(°C):25 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>5149.50</td><td>41.86</td><td>54.00</td><td>-12.14</td><td>40.76</td><td>1.10</td><td>Average</td><td>224</td><td>40</td></tr><tr><td>2</td><td>5350.50</td><td>51.08</td><td>54.00</td><td>-2.92</td><td>50.76</td><td>0.32</td><td>Average</td><td>224</td><td>40</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	5149.50	41.86	54.00	-12.14	40.76	1.10	Average	224	40	2	5350.50	51.08	54.00	-2.92	50.76	0.32	Average	224	40
	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	5149.50	41.86	54.00	-12.14	40.76	1.10	Average	224	40																								
2	5350.50	51.08	54.00	-2.92	50.76	0.32	Average	224	40																								



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5310
Polarization	Vertical-Peak		
Test By :Brad Wu- Temperature(°C):25 Humidity(%):63			
Level (dBuV/m)  Freq. Emission Limit Margin SA Factor Remark ANT Turn MHz level dBuV/m dB reading dB/m High Table dBuV/m dBuV dB/m cm deg 1 5135.40 54.10 74.00 -19.90 53.04 1.06 Peak 228 1 2 5350.20 62.98 74.00 -11.02 62.66 0.32 Peak 228 1			
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).			



Band Edge measurement

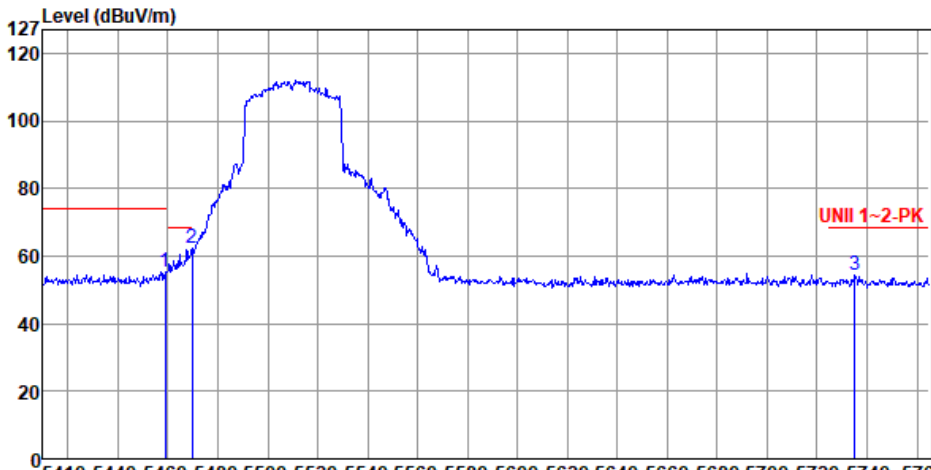
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5310																														
Polarization	Vertical-Average																																
Test By :Brad Wu- Temperature(°C):25 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>5149.50</td><td>42.62</td><td>54.00</td><td>-11.38</td><td>41.52</td><td>1.10</td><td>Average</td><td>228</td><td>1</td></tr><tr><td>2</td><td>5350.20</td><td>51.01</td><td>54.00</td><td>-2.99</td><td>50.69</td><td>0.32</td><td>Average</td><td>228</td><td>1</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	5149.50	42.62	54.00	-11.38	41.52	1.10	Average	228	1	2	5350.20	51.01	54.00	-2.99	50.69	0.32	Average	228	1
	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	5149.50	42.62	54.00	-11.38	41.52	1.10	Average	228	1																								
2	5350.20	51.01	54.00	-2.99	50.69	0.32	Average	228	1																								
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).																																	



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5510																																								
Polarization	Horizontal-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5458.99</td><td>55.25</td><td>74.00</td><td>-18.75</td><td>54.56</td><td>0.69</td><td>Peak</td><td>230</td><td>58</td></tr><tr><td>2</td><td>5469.64</td><td>62.42</td><td>68.20</td><td>-5.78</td><td>61.70</td><td>0.72</td><td>Peak</td><td>230</td><td>58</td></tr><tr><td>3</td><td>5735.18</td><td>54.34</td><td>68.20</td><td>-13.86</td><td>53.21</td><td>1.13</td><td>Peak</td><td>230</td><td>58</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	5458.99	55.25	74.00	-18.75	54.56	0.69	Peak	230	58	2	5469.64	62.42	68.20	-5.78	61.70	0.72	Peak	230	58	3	5735.18	54.34	68.20	-13.86	53.21	1.13	Peak	230	58
	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	5458.99	55.25	74.00	-18.75	54.56	0.69	Peak	230	58																																		
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Band Edge measurement

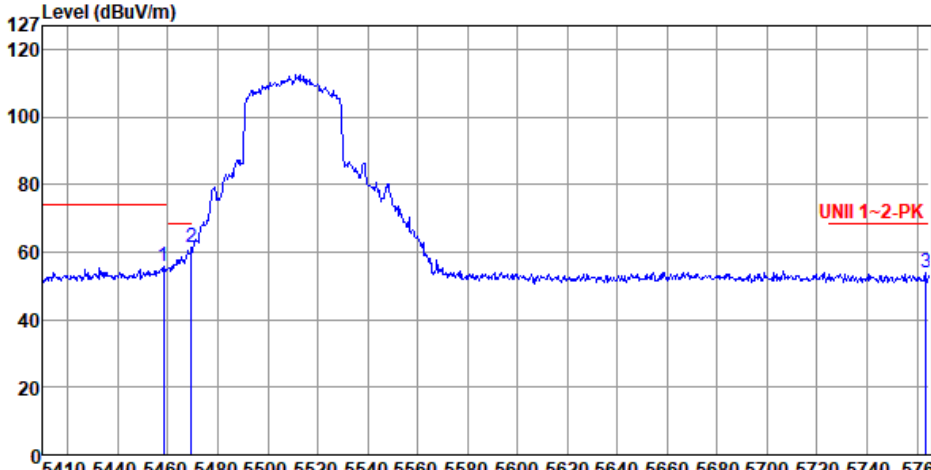
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5510																												
Polarization	Horizontal-Average																														
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																															
Level (dBUV/m) <table><thead><tr><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>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></thead><tbody><tr><td>1</td><td>5459.35</td><td>43.23</td><td>54.00</td><td>-10.77</td><td>42.54</td><td>0.69</td><td>Average</td><td>230</td><td>58</td></tr></tbody></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	5459.35	43.23	54.00	-10.77	42.54	0.69	Average	230	58
Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table																							
MHz	dBUV/m	dBUV/m	dB	dBUV	dB/m		cm	deg																							
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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).																															



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5510																																								
Polarization	Vertical-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5458.28</td><td>55.60</td><td>74.00</td><td>-18.40</td><td>54.91</td><td>0.69</td><td>Peak</td><td>177</td><td>8</td></tr><tr><td>2</td><td>5469.29</td><td>61.47</td><td>68.20</td><td>-6.73</td><td>60.75</td><td>0.72</td><td>Peak</td><td>177</td><td>8</td></tr><tr><td>3</td><td>5763.58</td><td>53.89</td><td>68.20</td><td>-14.31</td><td>52.68</td><td>1.21</td><td>Peak</td><td>177</td><td>8</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	5458.28	55.60	74.00	-18.40	54.91	0.69	Peak	177	8	2	5469.29	61.47	68.20	-6.73	60.75	0.72	Peak	177	8	3	5763.58	53.89	68.20	-14.31	52.68	1.21	Peak	177	8
	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	5458.28	55.60	74.00	-18.40	54.91	0.69	Peak	177	8																																		
2	5469.29	61.47	68.20	-6.73	60.75	0.72	Peak	177	8																																		
3	5763.58	53.89	68.20	-14.31	52.68	1.21	Peak	177	8																																		
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).																																											



Band Edge measurement

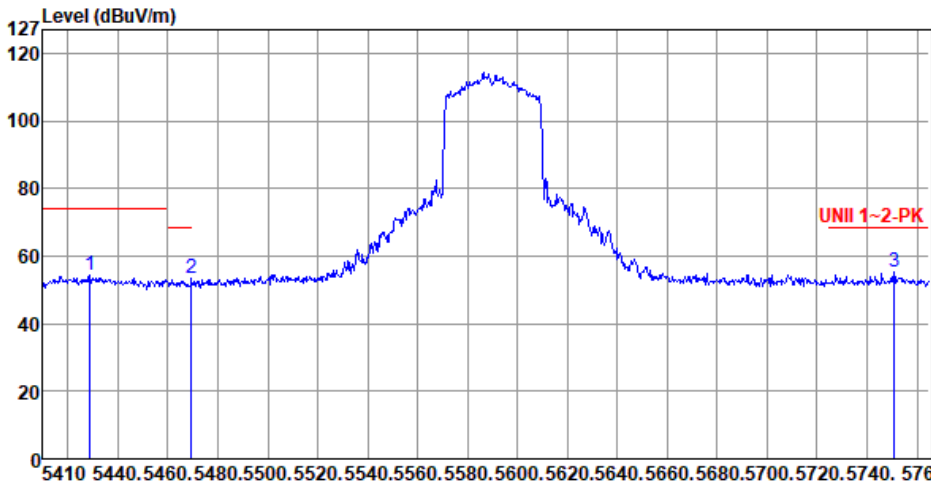
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5510																				
Polarization	Vertical-Average																						
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																							
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>5459.35</td><td>43.03</td><td>54.00</td><td>-10.97</td><td>42.34</td><td>0.69</td><td>Average</td><td>177</td><td>8</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	5459.35	43.03	54.00	-10.97	42.34	0.69	Average	177	8
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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).																							



Band Edge measurement

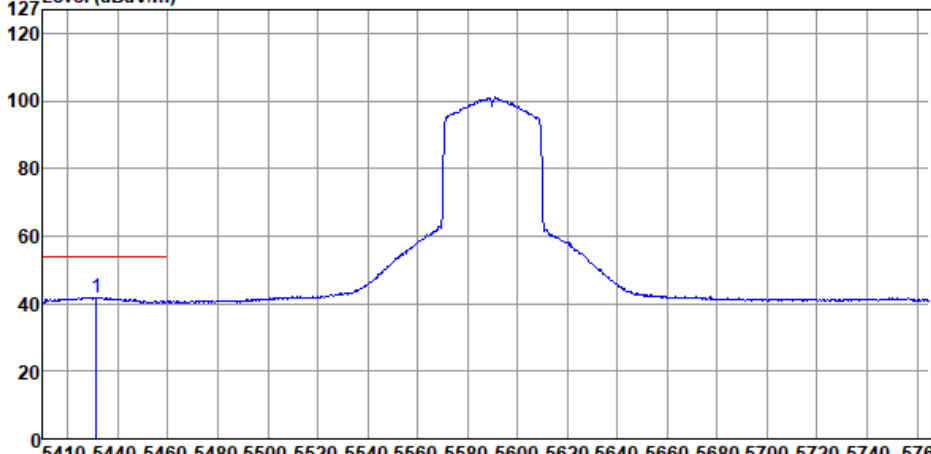
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5590																																								
Polarization	Horizontal-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5428.82</td><td>54.39</td><td>74.00</td><td>-19.61</td><td>53.82</td><td>0.57</td><td>Peak</td><td>228</td><td>59</td></tr><tr><td>2</td><td>5469.29</td><td>53.25</td><td>68.20</td><td>-14.95</td><td>52.53</td><td>0.72</td><td>Peak</td><td>228</td><td>59</td></tr><tr><td>3</td><td>5750.80</td><td>55.24</td><td>68.20</td><td>-12.96</td><td>54.07</td><td>1.17</td><td>Peak</td><td>228</td><td>59</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	5428.82	54.39	74.00	-19.61	53.82	0.57	Peak	228	59	2	5469.29	53.25	68.20	-14.95	52.53	0.72	Peak	228	59	3	5750.80	55.24	68.20	-12.96	54.07	1.17	Peak	228	59
	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	5428.82	54.39	74.00	-19.61	53.82	0.57	Peak	228	59																																		
2	5469.29	53.25	68.20	-14.95	52.53	0.72	Peak	228	59																																		
3	5750.80	55.24	68.20	-12.96	54.07	1.17	Peak	228	59																																		
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).																																											



Band Edge measurement

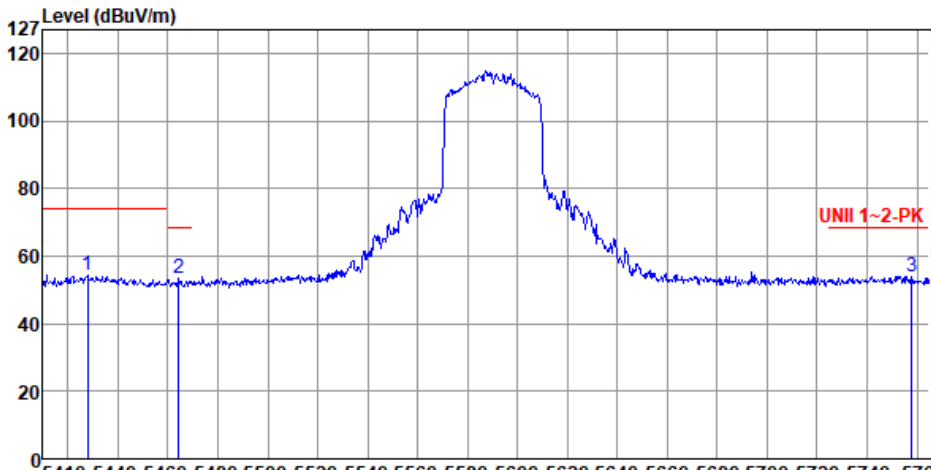
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5590																				
Polarization	Horizontal-Average																						
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																							
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>5431.30</td><td>41.92</td><td>54.00</td><td>-12.08</td><td>41.34</td><td>0.58</td><td>Average</td><td>228</td><td>59</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	5431.30	41.92	54.00	-12.08	41.34	0.58	Average	228	59
	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	5431.30	41.92	54.00	-12.08	41.34	0.58	Average	228	59														



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5590																																								
Polarization	Vertical-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5427.75</td><td>54.57</td><td>74.00</td><td>-19.43</td><td>54.01</td><td>0.56</td><td>Peak</td><td>181</td><td>356</td></tr><tr><td>2</td><td>5464.32</td><td>53.46</td><td>68.20</td><td>-14.74</td><td>52.76</td><td>0.70</td><td>Peak</td><td>181</td><td>356</td></tr><tr><td>3</td><td>5757.90</td><td>53.97</td><td>68.20</td><td>-14.23</td><td>52.78</td><td>1.19</td><td>Peak</td><td>181</td><td>356</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	5427.75	54.57	74.00	-19.43	54.01	0.56	Peak	181	356	2	5464.32	53.46	68.20	-14.74	52.76	0.70	Peak	181	356	3	5757.90	53.97	68.20	-14.23	52.78	1.19	Peak	181	356
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg																																		
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2	5464.32	53.46	68.20	-14.74	52.76	0.70	Peak	181	356																																		
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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).																																											



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5590																														
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Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																	
Level (dBUV/m) Frequency (MHz) <table><thead><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></thead><tbody><tr><td>1</td><td>5425.98</td><td>42.59</td><td>54.00</td><td>-11.41</td><td>42.04</td><td>0.55</td><td>Average</td><td>181</td><td>356</td></tr></tbody></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	5425.98	42.59	54.00	-11.41	42.04	0.55	Average	181	356
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table																								
	MHz	dBUV/m	dBUV/m	dB	dBUV	dB/m		cm	deg																								
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Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5670																																								
Polarization	Horizontal-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5454.73</td><td>54.48</td><td>74.00</td><td>-19.52</td><td>53.81</td><td>0.67</td><td>Peak</td><td>219</td><td>51</td></tr><tr><td>2</td><td>5460.77</td><td>52.82</td><td>68.20</td><td>-15.38</td><td>52.13</td><td>0.69</td><td>Peak</td><td>219</td><td>51</td></tr><tr><td>3</td><td>5726.31</td><td>54.99</td><td>68.20</td><td>-13.21</td><td>53.88</td><td>1.11</td><td>Peak</td><td>219</td><td>51</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	5454.73	54.48	74.00	-19.52	53.81	0.67	Peak	219	51	2	5460.77	52.82	68.20	-15.38	52.13	0.69	Peak	219	51	3	5726.31	54.99	68.20	-13.21	53.88	1.11	Peak	219	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	5454.73	54.48	74.00	-19.52	53.81	0.67	Peak	219	51																																		
2	5460.77	52.82	68.20	-15.38	52.13	0.69	Peak	219	51																																		
3	5726.31	54.99	68.20	-13.21	53.88	1.11	Peak	219	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).																																											



Band Edge measurement

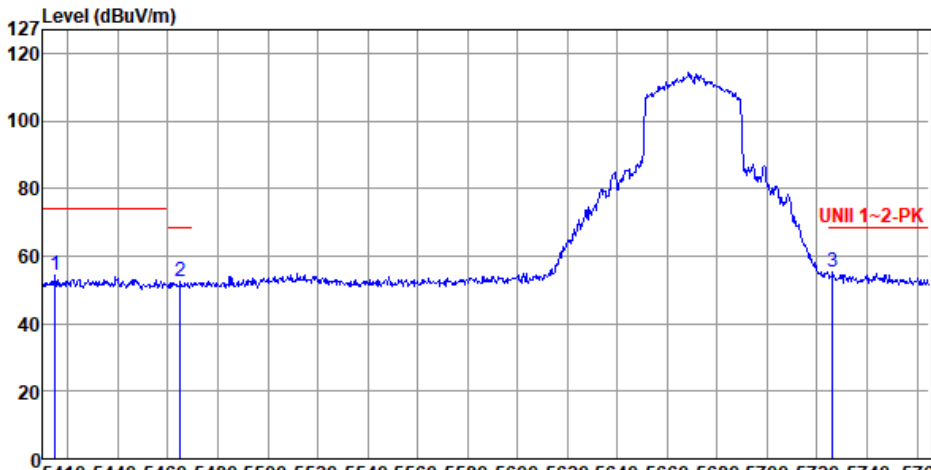
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5670																				
Polarization	Horizontal-Average																						
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																							
<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>5432.37</td><td>41.11</td><td>54.00</td><td>-12.89</td><td>40.53</td><td>0.58</td><td>Average</td><td>219</td><td>51</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	5432.37	41.11	54.00	-12.89	40.53	0.58	Average	219	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	5432.37	41.11	54.00	-12.89	40.53	0.58	Average	219	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).																							



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5670																																								
Polarization	Vertical-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5414.97</td><td>54.55</td><td>74.00</td><td>-19.45</td><td>54.05</td><td>0.50</td><td>Peak</td><td>174</td><td>5</td></tr><tr><td>2</td><td>5465.03</td><td>52.29</td><td>68.20</td><td>-15.91</td><td>51.59</td><td>0.70</td><td>Peak</td><td>174</td><td>5</td></tr><tr><td>3</td><td>5726.31</td><td>55.29</td><td>68.20</td><td>-12.91</td><td>54.18</td><td>1.11</td><td>Peak</td><td>174</td><td>5</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	5414.97	54.55	74.00	-19.45	54.05	0.50	Peak	174	5	2	5465.03	52.29	68.20	-15.91	51.59	0.70	Peak	174	5	3	5726.31	55.29	68.20	-12.91	54.18	1.11	Peak	174	5
	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	5414.97	54.55	74.00	-19.45	54.05	0.50	Peak	174	5																																		
2	5465.03	52.29	68.20	-15.91	51.59	0.70	Peak	174	5																																		
3	5726.31	55.29	68.20	-12.91	54.18	1.11	Peak	174	5																																		
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).																																											



Band Edge measurement

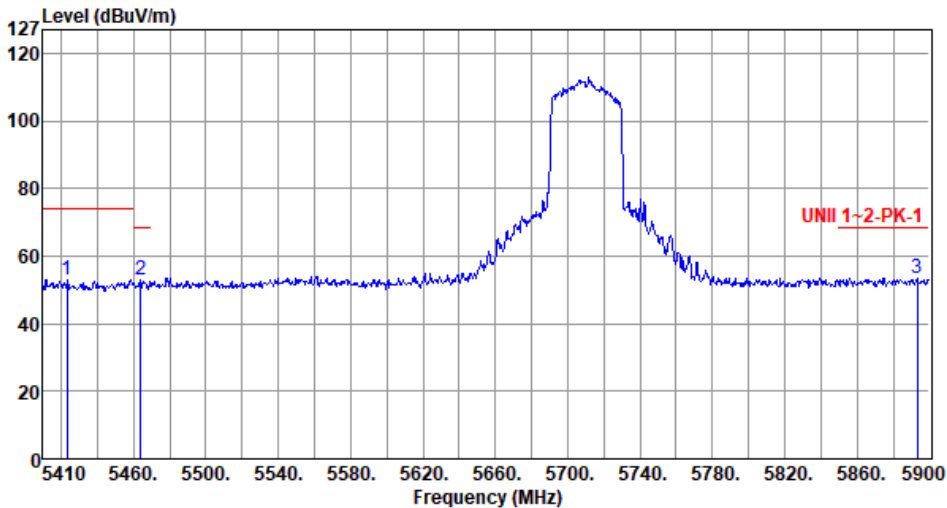
Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5670																				
Polarization	Vertical-Average																						
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																							
Level (dBUV/m) 1 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>5431.30</td><td>41.47</td><td>54.00</td><td>-12.53</td><td>40.89</td><td>0.58</td><td>Average</td><td>174</td><td>5</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	5431.30	41.47	54.00	-12.53	40.89	0.58	Average	174	5
	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	5431.30	41.47	54.00	-12.53	40.89	0.58	Average	174	5														
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).																							



Band Edge measurement

Appendix D

Modulation	ax HE40	Test Freq. (MHz)	5710																																								
Polarization	Horizontal-Peak																																										
Test By :Brad Wu Temperature(°C):24 Humidity(%):65																																											
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>5423.23</td><td>53.18</td><td>74.00</td><td>-20.82</td><td>52.64</td><td>0.54</td><td>Peak</td><td>216</td><td>54</td></tr><tr><td>2</td><td>5463.90</td><td>52.88</td><td>68.20</td><td>-15.32</td><td>52.18</td><td>0.70</td><td>Peak</td><td>216</td><td>54</td></tr><tr><td>3</td><td>5893.14</td><td>53.37</td><td>68.20</td><td>-14.83</td><td>51.76</td><td>1.61</td><td>Peak</td><td>216</td><td>54</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	5423.23	53.18	74.00	-20.82	52.64	0.54	Peak	216	54	2	5463.90	52.88	68.20	-15.32	52.18	0.70	Peak	216	54	3	5893.14	53.37	68.20	-14.83	51.76	1.61	Peak	216	54
	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	5423.23	53.18	74.00	-20.82	52.64	0.54	Peak	216	54																																		
2	5463.90	52.88	68.20	-15.32	52.18	0.70	Peak	216	54																																		
3	5893.14	53.37	68.20	-14.83	51.76	1.61	Peak	216	54																																		
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).																																											