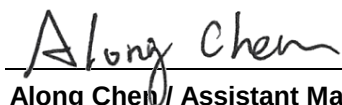


FCC C2PC Test Report

FCC ID : I88WX3310-B0
Equipment : Dual-Band Wireless AX Gigabit Access Point / Extender
Model No. : WX3310-B0
Brand Name : ZYXEL
Applicant : Zyxel Communications Corporation
Address : No.2 Industry East RD. IX, Hsinchu Science Park,
Hsinchu 30075, Taiwan, R.O.C
Standard : 47 CFR FCC Part 15.407
Received Date : Oct. 06, 2020
Tested Date : Oct. 07 ~ Oct. 13, 2020

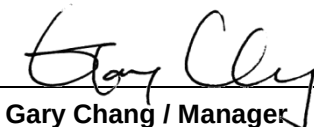
We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval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

Reviewed by:



Along Chen / Assistant Manager

Approved by:



Gary Chang / Manager



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Release Record

Report No.	Version	Description	Issued Date
FR020306-01AN	Rev. 01	Initial issue	Oct. 26, 2020

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5150.00MHz 53.89 (Margin -0.11dB) - AV	Pass

Declaration of Conformity:

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

Comments and Explanations:

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

1 General Description

1.1 Information

This report is issued as a FCC Class II Permissive Change.

The modification is only concerned with changing shielding frame therefore only radiated emission is performed for this C2PC.

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]	4	6-54 Mbps
5150-5250 5250-5350 5470-5725 5725-5850	n (HT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	4	MCS 0-31
5150-5250 5250-5350 5470-5725 5725-5850	n (HT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	4	MCS 0-31
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	4	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	4	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT80)	5210 5290 5530~5690 5775	42 [1] 58 [1] 106-138 [3] 155 [1]	4	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ax (HE20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	4	MCS 0-11
5150-5250 5250-5350 5470-5725 5725-5850	ax (HE40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	4	MCS 0-11
5150-5250 5250-5350 5470-5725 5725-5850	ax (HE80)	5210 5290 5530~5690 5775	42 [1] 58 [1] 106-138 [3] 155 [1]	4	MCS 0-11

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	ax (HE160)	5250 5570	50 [1] 114 [1]	4	MCS 0-11
Note 1: Chip feature: OFDM/OFDMA- BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024 QAM modulation. Note 2: Operating modes of this device are listed as above table.					

1.1.2 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)			
				5150~5250	5250~5350	5470~5725	5725~5850
1	Ant1(RFPCA242309IMLB901)	PIFA	ipex	0.5	1	1.5	1.75
2	Ant2 (RFPCA242311IMLB901)	PIFA	ipex	0.5	1	1.5	1.75
3	Ant3 (RFPCA221116IM5B901)	Dipole	ipex	0.5	1	1.5	1.75
4	Ant4 (RFPCA232007IMLB901)	Dipole	ipex	0.5	1	1.5	1.75

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from AC adapter
-------------------	-----------------------

1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	AC adapter	Brand: MNC Model: MAUS-1201501801 I/P: 100-240Vac, 50/60Hz, 0.5A O/P: 12Vdc, 1.5A Power Line: DC 1.5m non-shielded without core
2	RJ45 cable	1.5m non-shielded without core

1.1.5 Channel List

802.11a / n HT20 / ac VHT20 / ax HE20		802.11n HT40 / ac VHT40 / ax HE40	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	142	5710
108	5540	151	5755
112	5560	159	5795
116	5580	802.11ac VHT80 / ax HE80	
120	5600	42	5210
124	5620	58	5290
128	5640	106	5530
132	5660	122	5610
136	5680	138	5690
140	5700	155	5775
144	5720	---	---
149	5745	ax HE160	
153	5765	50	5250
157	5785	114	5570
161	5805	---	---
165	5825	---	---

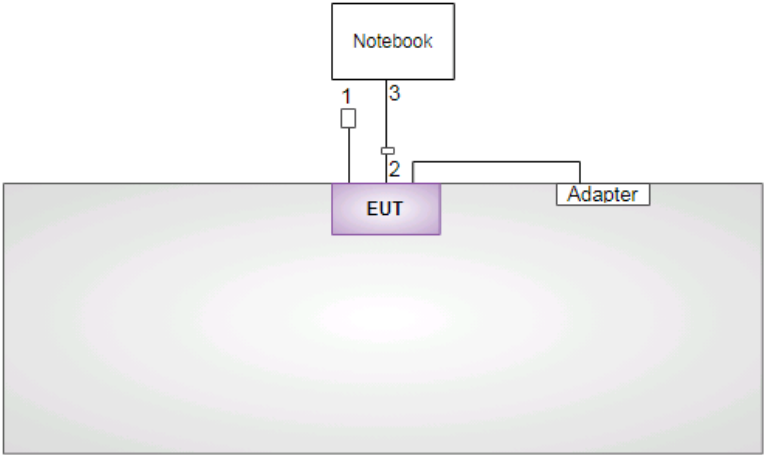
1.1.6 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	82
11a	5200	94
11a	5240	94
11a	5300	70
11a	5580	66
11a	5745	96
11a	5785	96
11a	5825	96
ax (HE20)	5180	76
ax (HE20)	5200	92
ax (HE20)	5240	92
ax (HE20)	5300	66
ax (HE20)	5580	62
ax (HE20)	5745	86
ax (HE20)	5785	86
ax (HE20)	5825	86
ax (HE40)	5190	66
ax (HE40)	5230	86
ax (HE40)	5310	66
ax (HE40)	5510	62
ax (HE40)	5670	64
ax (HE80)	5210	54
ax (HE80)	5290	62
ax (HE80)	5530	62
ax (HE80)	5775	86
ax (HE160)	5250	62
ax (HE160)	5570	62

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	RJ45	ICC	RJ45-1.3m	---	---
2	RJ45	ICC	RJ45-10m	---	---
3	RJ45	ICC	RJ45-1.3m	---	---
4	Notebook	DELL	Latitude E6440	DoC	---

1.3 Test Setup Chart

Test Setup Diagram	
	
No.	Signal cable / Length (m)
1	RJ45, 1.3m non-shielded with load
2	RJ45, 1.5m non-shielded
3	RJ45, 10m non-shielded

1.4 The Equipment List

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Oct. 07 ~ Oct. 13, 2020				
Instrument	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101498	Dec. 17, 2019	Dec. 16, 2020
Receiver	R&S	ESR3	101657	Feb. 14, 2020	Feb. 13, 2021
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jul. 10, 2020	Jul. 09, 2021
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 12, 2019	Dec. 11, 2020
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 15, 2019	Nov. 14, 2020
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 13, 2019	Nov. 12, 2020
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 06, 2020	Oct. 05, 2021
Preamplifier	EMC	EMC02325	980225	Jul. 03, 2020	Jul. 02, 2021
Preamplifier	Agilent	83017A	MY39501308	Sep. 26, 2020	Sep. 25, 2021
Preamplifier	EMC	EMC184045B	980192	Jul. 21, 2020	Jul. 20, 2021
RF Cable	EMC	EMC104-SM-SM-80 00	181106	Oct. 06, 2020	Oct. 05, 2021
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 06, 2020	Oct. 05, 2021
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16014/4	Oct. 06, 2020	Oct. 05, 2021
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 06, 2020	Oct. 05, 2021
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 06, 2020	Oct. 05, 2021
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 06, 2020	Oct. 05, 2021
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 C63.10-2013

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
Radiated emission $\leq$ 1GHz	± 3.41 dB
Radiated emission $>$ 1GHz	± 4.59 dB

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corp.
Test Site	03CH01-WS
Address of Test Site	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C.

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Frequency band 5150~5250 MHz / 5250~5350 MHz / 5470~5725 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate (Mbps) / MCS	Test Configuration
Radiated Emissions ≤1GHz	11a	5200	6 Mbps	---
Radiated Emissions >1GHz	11a	5180 / 5200 / 5240 / 5300 / 5580	6 Mbps	---
	ax (HE20)	5180 / 5200 / 5240 / 5300 / 5580	MCS 0	
	ax (HE40)	5190 / 5230 / 5310 / 5510 / 5670	MCS 0	
	ax (HE80)	5210 / 5290 / 5530	MCS 0	
	ax (HE160)	5250	MCS 0	

Frequency band 5725-5850 MHz				
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate (Mbps) / MCS	Test Configuration
Radiated Emissions ≤1GHz	11a	5745	6 Mbps	---
Radiated Emissions >1GHz	11a	5745 / 5785 / 5825	6 Mbps	---
	ax (HE20)	5745 / 5785 / 5825	MCS 0	
	ax (HE80)	5775	MCS 0	
	ax (HE160)	5570	MCS 0	

3 Transmitter Test Results

3.1 Transmitter Radiated and Band Edge Emissions

3.1.1 Limit of Transmitter Radiated and Band Edge Emissions

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.850 GHz	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

3.1.2 Test Procedures

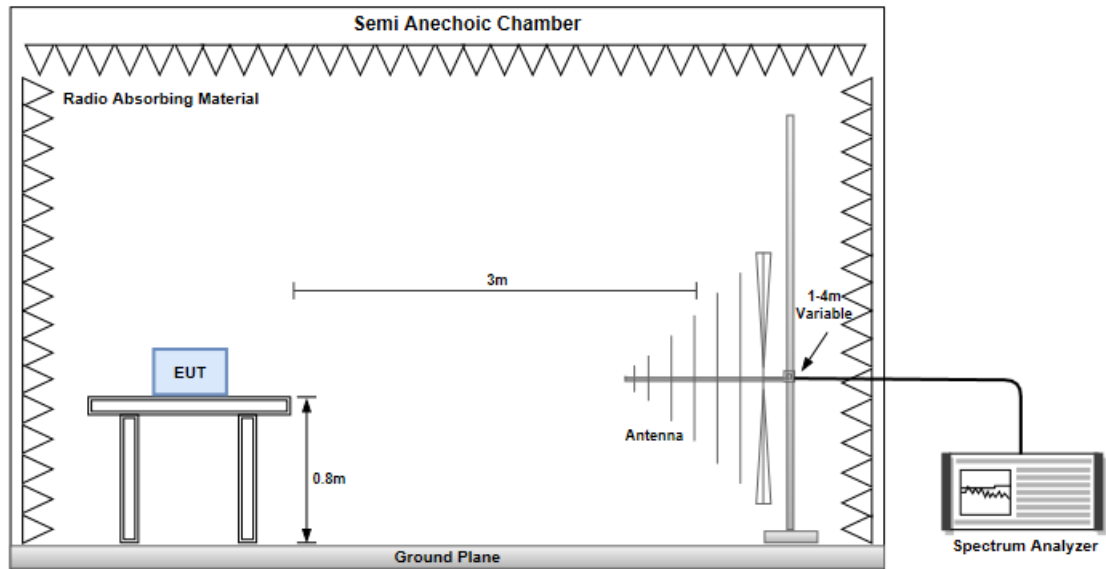
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission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

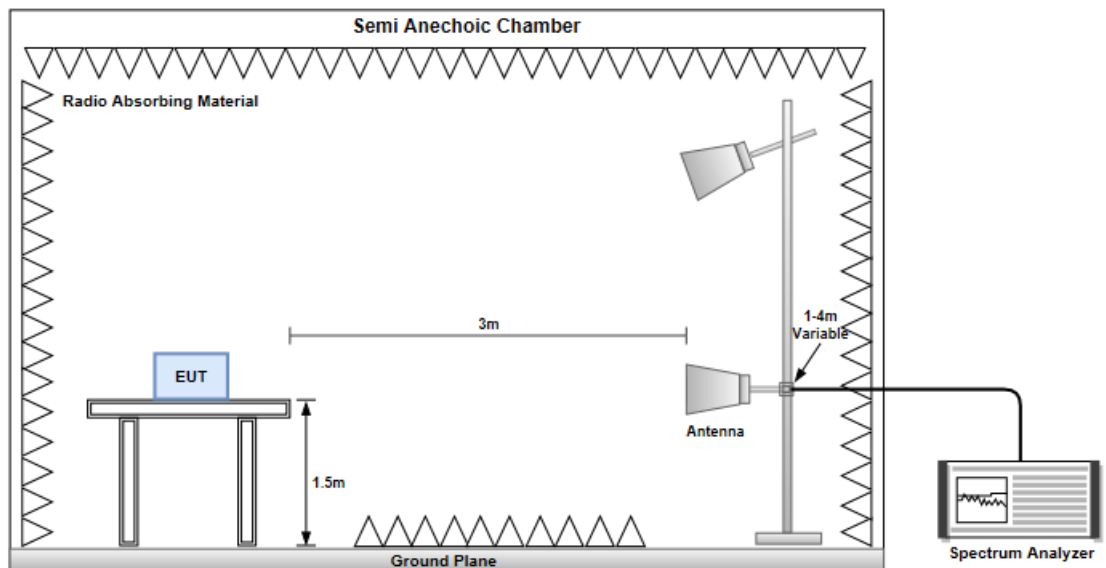
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

3.1.3 Test Setup

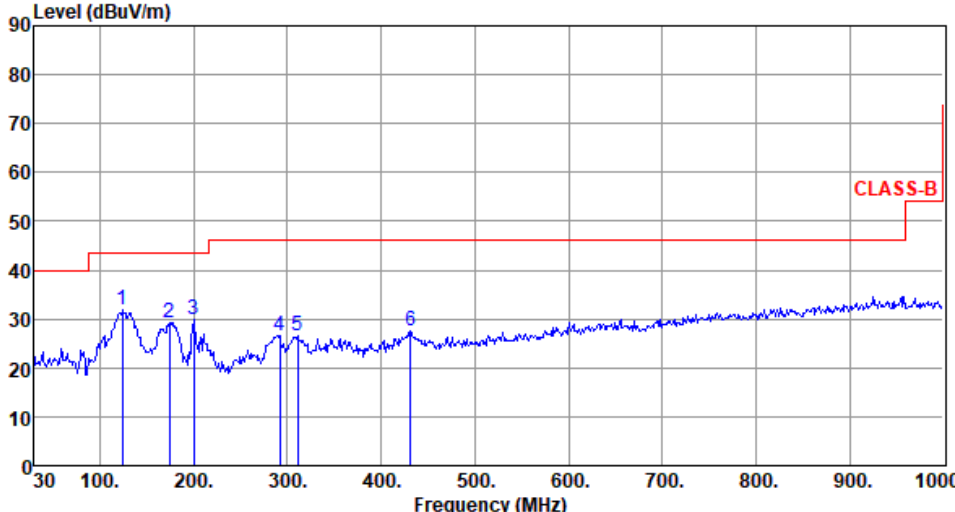
Radiated Emissions below 1 GHz

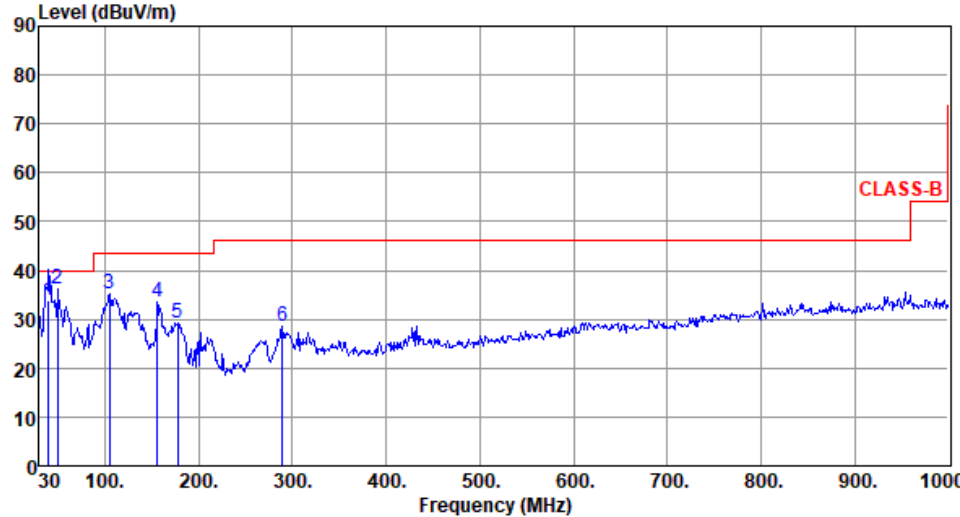


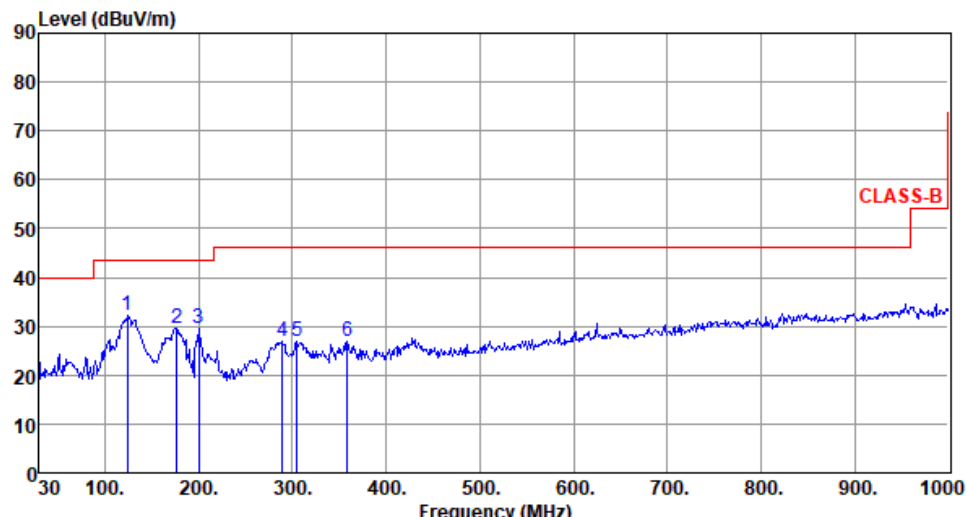
Radiated Emissions above 1 GHz

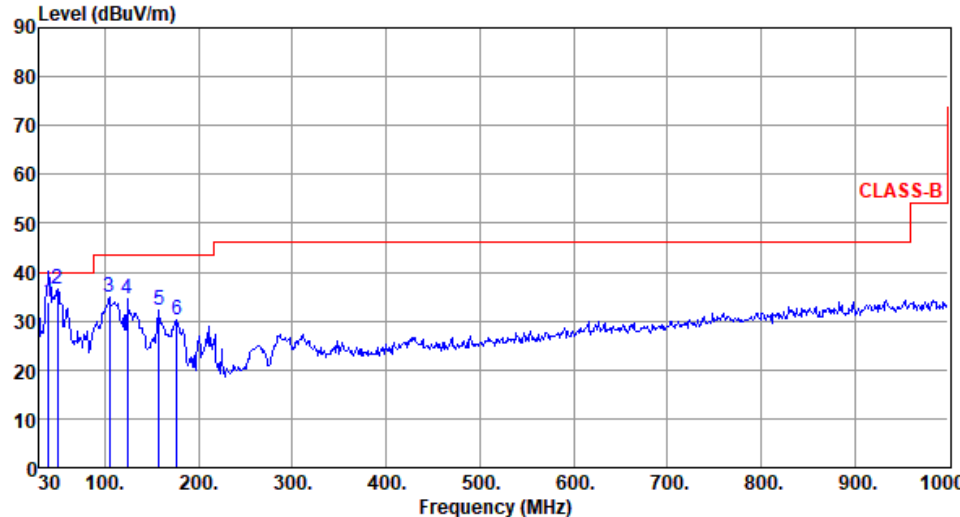


3.1.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	11a	Test Freq. (MHz)	5200																																																																						
Polarization	Horizontal																																																																								
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																									
Level (dBuV/m)  CLASS-B Frequency (MHz) <table><thead><tr><th></th><th>Freq. MHz</th><th>Emission level dBuV/m</th><th>Limit dBuV/m</th><th>Margin dB</th><th>SA reading dBuV</th><th>Factor dB</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>124.09</td><td>31.98</td><td>43.50</td><td>-11.52</td><td>42.40</td><td>-10.42</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>2</td><td>174.53</td><td>29.31</td><td>43.50</td><td>-14.19</td><td>39.05</td><td>-9.74</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>199.75</td><td>29.87</td><td>43.50</td><td>-13.63</td><td>41.91</td><td>-12.04</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>291.90</td><td>26.69</td><td>46.00</td><td>-19.31</td><td>35.18</td><td>-8.49</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>311.30</td><td>26.47</td><td>46.00</td><td>-19.53</td><td>34.28</td><td>-7.81</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>431.58</td><td>27.66</td><td>46.00</td><td>-18.34</td><td>32.53</td><td>-4.87</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	Remark	ANT High cm	Turn Table deg	1	124.09	31.98	43.50	-11.52	42.40	-10.42	Peak	---	---	2	174.53	29.31	43.50	-14.19	39.05	-9.74	Peak	---	---	3	199.75	29.87	43.50	-13.63	41.91	-12.04	Peak	---	---	4	291.90	26.69	46.00	-19.31	35.18	-8.49	Peak	---	---	5	311.30	26.47	46.00	-19.53	34.28	-7.81	Peak	---	---	6	431.58	27.66	46.00	-18.34	32.53	-4.87	Peak	---	---
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																
1	124.09	31.98	43.50	-11.52	42.40	-10.42	Peak	---	---																																																																
2	174.53	29.31	43.50	-14.19	39.05	-9.74	Peak	---	---																																																																
3	199.75	29.87	43.50	-13.63	41.91	-12.04	Peak	---	---																																																																
4	291.90	26.69	46.00	-19.31	35.18	-8.49	Peak	---	---																																																																
5	311.30	26.47	46.00	-19.53	34.28	-7.81	Peak	---	---																																																																
6	431.58	27.66	46.00	-18.34	32.53	-4.87	Peak	---	---																																																																
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.																																																																									

Modulation	11a	Test Freq. (MHz)	5200																																																																						
Polarization	Vertical																																																																								
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																									
Level (dBuV/m)  CLASS-B <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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>39.76</td><td>33.81</td><td>40.00</td><td>-6.19</td><td>42.31</td><td>-8.50</td><td>QP</td><td>100</td><td>74</td></tr><tr><td>2</td><td>49.40</td><td>36.16</td><td>40.00</td><td>-3.84</td><td>44.55</td><td>-8.39</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>3</td><td>104.69</td><td>35.24</td><td>43.50</td><td>-8.26</td><td>47.72</td><td>-12.48</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>4</td><td>156.10</td><td>33.68</td><td>43.50</td><td>-9.82</td><td>42.56</td><td>-8.88</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>5</td><td>177.44</td><td>29.17</td><td>43.50</td><td>-14.33</td><td>39.24</td><td>-10.07</td><td>Peak</td><td>---</td><td>---</td></tr><tr><td>6</td><td>288.99</td><td>28.69</td><td>46.00</td><td>-17.31</td><td>37.24</td><td>-8.55</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	Remark	ANT High cm	Turn Table deg	1	39.76	33.81	40.00	-6.19	42.31	-8.50	QP	100	74	2	49.40	36.16	40.00	-3.84	44.55	-8.39	Peak	---	---	3	104.69	35.24	43.50	-8.26	47.72	-12.48	Peak	---	---	4	156.10	33.68	43.50	-9.82	42.56	-8.88	Peak	---	---	5	177.44	29.17	43.50	-14.33	39.24	-10.07	Peak	---	---	6	288.99	28.69	46.00	-17.31	37.24	-8.55	Peak	---	---
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3.1.1 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m)			

Modulation	11a	Test Freq. (MHz)	5180
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBUV/m) <			

Modulation	11a	Test Freq. (MHz)	5200
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBUV/m)			

Modulation	11a	Test Freq. (MHz)	5200
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m)			

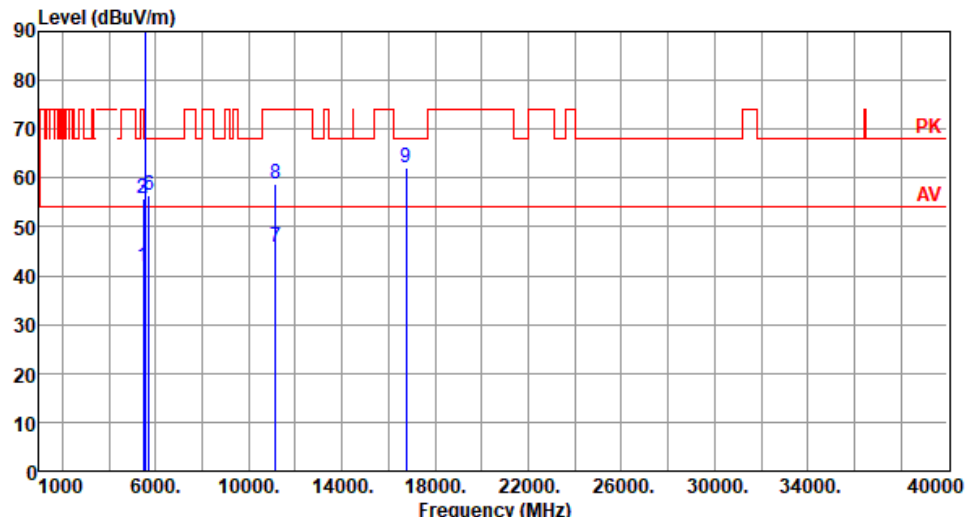
Modulation	11a	Test Freq. (MHz)	5240
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m) </			

Modulation	11a	Test Freq. (MHz)	5240
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBUV/m)			

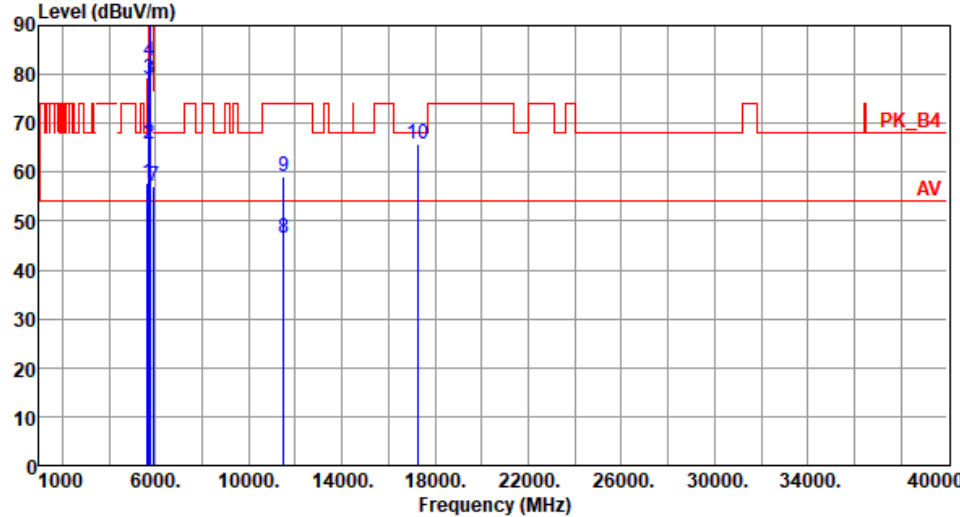
Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m) </			

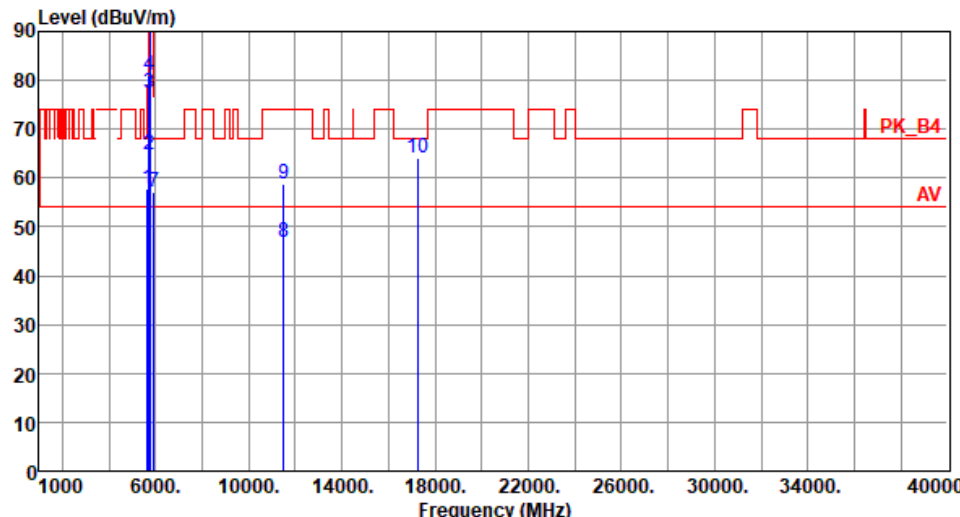
Modulation	11a	Test Freq. (MHz)	5300																																																																																										
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	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																				
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Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBUV/m) <			

Modulation	11a	Test Freq. (MHz)	5580						
Polarization	Vertical								
Test By :Akun Chung Temperature(°C):23 Humidity(%):69									
Level (dBUV/m)  Frequency (MHz)									
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg
1	5460.00	41.98	54.00	-12.02	37.53	4.45	Average	187	198
2	5460.00	55.81	74.00	-18.19	51.36	4.45	Peak	187	198
3	5470.00	55.92	68.20	-12.28	51.42	4.50	Peak	187	198
4 *	5580.00	100.92			96.38	4.54	Average	187	198
5 *	5580.00	110.06			105.52	4.54	Peak	187	198
6	5725.00	56.54	68.20	-11.66	51.69	4.85	Peak	187	198
7	11160.00	45.80	54.00	-8.20	31.42	14.38	Average	100	98
8	11160.00	58.91	74.00	-15.09	44.53	14.38	Peak	100	98
9	16740.00	62.09	68.20	-6.11	44.62	17.47	Peak	100	87

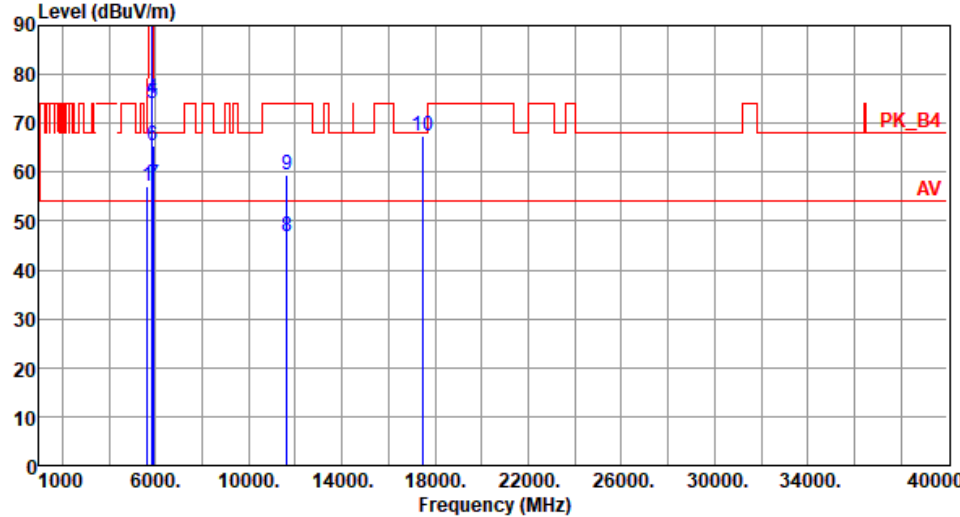
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m).
Note 3: "*" is Peak / Average value of fundamental frequency

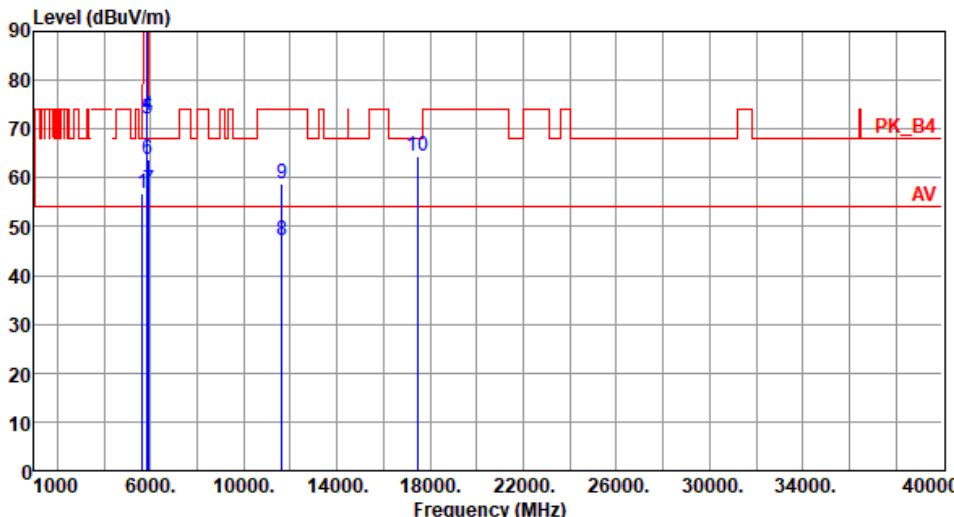
Modulation	11a	Test Freq. (MHz)	5745																																																																																																														
Polarization	Horizontal																																																																																																																
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																																																	
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>57.76</td><td>68.20</td><td>-10.44</td><td>53.22</td><td>4.54</td><td>Peak</td><td>244</td><td>261</td></tr><tr><td>2</td><td>5700.00</td><td>65.87</td><td>105.20</td><td>-39.33</td><td>61.19</td><td>4.68</td><td>Peak</td><td>244</td><td>261</td></tr><tr><td>3</td><td>5720.00</td><td>78.96</td><td>110.80</td><td>-31.84</td><td>74.15</td><td>4.81</td><td>Peak</td><td>244</td><td>261</td></tr><tr><td>4</td><td>5725.00</td><td>82.57</td><td>122.20</td><td>-39.63</td><td>77.72</td><td>4.85</td><td>Peak</td><td>244</td><td>261</td></tr><tr><td>5 *</td><td>5745.00</td><td>108.58</td><td></td><td></td><td>103.59</td><td>4.99</td><td>Average</td><td>244</td><td>261</td></tr><tr><td>6 *</td><td>5745.00</td><td>118.12</td><td></td><td></td><td>113.13</td><td>4.99</td><td>Peak</td><td>244</td><td>261</td></tr><tr><td>7</td><td>5925.00</td><td>57.23</td><td>68.20</td><td>-10.97</td><td>51.80</td><td>5.43</td><td>Peak</td><td>244</td><td>261</td></tr><tr><td>8</td><td>11490.00</td><td>46.65</td><td>54.00</td><td>-7.35</td><td>32.02</td><td>14.63</td><td>Average</td><td>264</td><td>198</td></tr><tr><td>9</td><td>11490.00</td><td>59.28</td><td>74.00</td><td>-14.72</td><td>44.65</td><td>14.63</td><td>Peak</td><td>264</td><td>198</td></tr><tr><td>10</td><td>17235.00</td><td>65.75</td><td>68.20</td><td>-2.45</td><td>47.99</td><td>17.76</td><td>Peak</td><td>131</td><td>51</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5650.00	57.76	68.20	-10.44	53.22	4.54	Peak	244	261	2	5700.00	65.87	105.20	-39.33	61.19	4.68	Peak	244	261	3	5720.00	78.96	110.80	-31.84	74.15	4.81	Peak	244	261	4	5725.00	82.57	122.20	-39.63	77.72	4.85	Peak	244	261	5 *	5745.00	108.58			103.59	4.99	Average	244	261	6 *	5745.00	118.12			113.13	4.99	Peak	244	261	7	5925.00	57.23	68.20	-10.97	51.80	5.43	Peak	244	261	8	11490.00	46.65	54.00	-7.35	32.02	14.63	Average	264	198	9	11490.00	59.28	74.00	-14.72	44.65	14.63	Peak	264	198	10	17235.00	65.75	68.20	-2.45	47.99	17.76	Peak	131	51
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																																								
1	5650.00	57.76	68.20	-10.44	53.22	4.54	Peak	244	261																																																																																																								
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3	5720.00	78.96	110.80	-31.84	74.15	4.81	Peak	244	261																																																																																																								
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Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). Note 3:"*" is Peak / Average value of fundamental frequency																																																																																																																	

Modulation	11a	Test Freq. (MHz)	5745																																																																																																														
Polarization	Vertical																																																																																																																
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																																																	
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>57.65</td><td>68.20</td><td>-10.55</td><td>53.11</td><td>4.54</td><td>Peak</td><td>188</td><td>201</td></tr><tr><td>2</td><td>5700.00</td><td>64.65</td><td>105.20</td><td>-40.55</td><td>59.97</td><td>4.68</td><td>Peak</td><td>188</td><td>201</td></tr><tr><td>3</td><td>5720.00</td><td>77.44</td><td>110.80</td><td>-33.36</td><td>72.63</td><td>4.81</td><td>Peak</td><td>188</td><td>201</td></tr><tr><td>4</td><td>5725.00</td><td>81.02</td><td>122.20</td><td>-41.18</td><td>76.17</td><td>4.85</td><td>Peak</td><td>188</td><td>201</td></tr><tr><td>5 *</td><td>5745.00</td><td>107.42</td><td></td><td></td><td>102.43</td><td>4.99</td><td>Average</td><td>188</td><td>201</td></tr><tr><td>6 *</td><td>5745.00</td><td>117.06</td><td></td><td></td><td>112.07</td><td>4.99</td><td>Peak</td><td>188</td><td>201</td></tr><tr><td>7</td><td>5925.00</td><td>57.14</td><td>68.20</td><td>-11.06</td><td>51.71</td><td>5.43</td><td>Peak</td><td>188</td><td>201</td></tr><tr><td>8</td><td>11490.00</td><td>46.95</td><td>54.00</td><td>-7.05</td><td>32.32</td><td>14.63</td><td>Average</td><td>255</td><td>151</td></tr><tr><td>9</td><td>11490.00</td><td>58.77</td><td>74.00</td><td>-15.23</td><td>44.14</td><td>14.63</td><td>Peak</td><td>255</td><td>151</td></tr><tr><td>10</td><td>17235.00</td><td>64.13</td><td>68.20</td><td>-4.07</td><td>46.37</td><td>17.76</td><td>Peak</td><td>266</td><td>342</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5650.00	57.65	68.20	-10.55	53.11	4.54	Peak	188	201	2	5700.00	64.65	105.20	-40.55	59.97	4.68	Peak	188	201	3	5720.00	77.44	110.80	-33.36	72.63	4.81	Peak	188	201	4	5725.00	81.02	122.20	-41.18	76.17	4.85	Peak	188	201	5 *	5745.00	107.42			102.43	4.99	Average	188	201	6 *	5745.00	117.06			112.07	4.99	Peak	188	201	7	5925.00	57.14	68.20	-11.06	51.71	5.43	Peak	188	201	8	11490.00	46.95	54.00	-7.05	32.32	14.63	Average	255	151	9	11490.00	58.77	74.00	-15.23	44.14	14.63	Peak	255	151	10	17235.00	64.13	68.20	-4.07	46.37	17.76	Peak	266	342
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																																								
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Modulation	11a	Test Freq. (MHz)	5785
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m)			

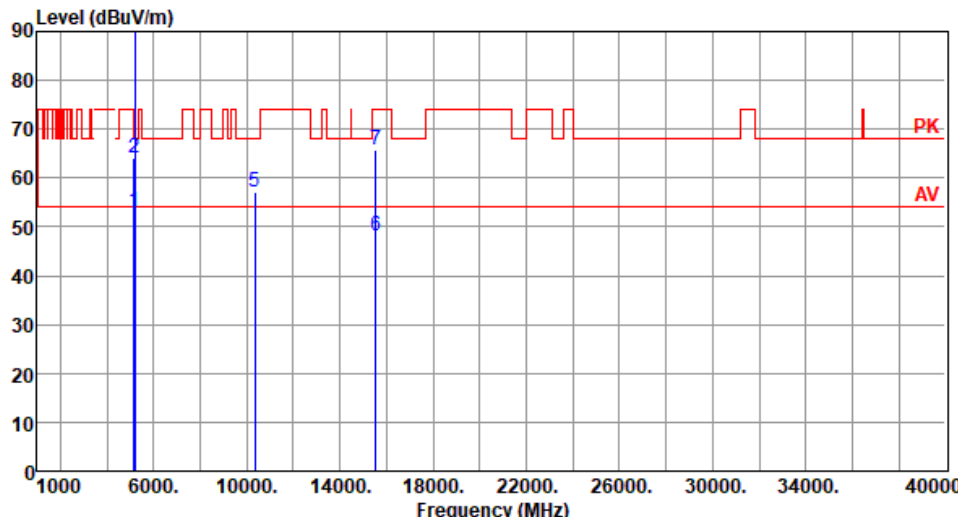
Modulation	11a	Test Freq. (MHz)	5785
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m)			

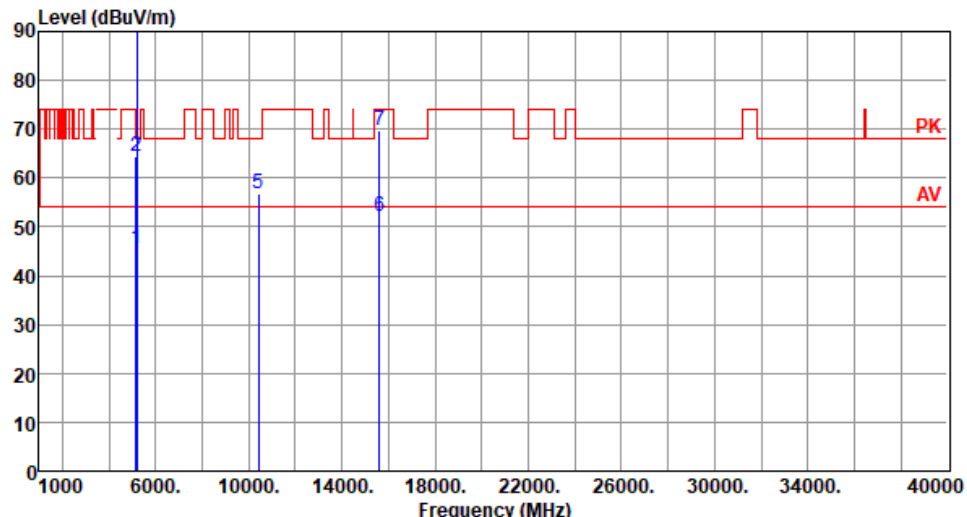
Modulation	11a	Test Freq. (MHz)	5825																																																																																																														
Polarization	Horizontal																																																																																																																
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																																																	
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>57.10</td><td>68.20</td><td>-11.10</td><td>52.56</td><td>4.54</td><td>Peak</td><td>239</td><td>264</td></tr><tr><td>2 *</td><td>5825.00</td><td>108.72</td><td></td><td></td><td>103.43</td><td>5.29</td><td>Average</td><td>239</td><td>264</td></tr><tr><td>3 *</td><td>5825.00</td><td>118.45</td><td></td><td></td><td>113.16</td><td>5.29</td><td>Peak</td><td>239</td><td>264</td></tr><tr><td>4</td><td>5850.00</td><td>75.21</td><td>122.20</td><td>-46.99</td><td>69.76</td><td>5.45</td><td>Peak</td><td>239</td><td>264</td></tr><tr><td>5</td><td>5855.00</td><td>74.20</td><td>110.80</td><td>-36.60</td><td>68.76</td><td>5.44</td><td>Peak</td><td>239</td><td>264</td></tr><tr><td>6</td><td>5875.00</td><td>65.28</td><td>105.20</td><td>-39.92</td><td>59.84</td><td>5.44</td><td>Peak</td><td>239</td><td>264</td></tr><tr><td>7</td><td>5925.00</td><td>57.52</td><td>68.20</td><td>-10.68</td><td>52.09</td><td>5.43</td><td>Peak</td><td>239</td><td>264</td></tr><tr><td>8</td><td>11650.00</td><td>46.83</td><td>54.00</td><td>-7.17</td><td>32.62</td><td>14.21</td><td>Average</td><td>261</td><td>201</td></tr><tr><td>9</td><td>11650.00</td><td>59.45</td><td>74.00</td><td>-14.55</td><td>45.24</td><td>14.21</td><td>Peak</td><td>261</td><td>201</td></tr><tr><td>10</td><td>17475.00</td><td>67.49</td><td>68.20</td><td>-0.71</td><td>48.63</td><td>18.86</td><td>Peak</td><td>127</td><td>50</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5650.00	57.10	68.20	-11.10	52.56	4.54	Peak	239	264	2 *	5825.00	108.72			103.43	5.29	Average	239	264	3 *	5825.00	118.45			113.16	5.29	Peak	239	264	4	5850.00	75.21	122.20	-46.99	69.76	5.45	Peak	239	264	5	5855.00	74.20	110.80	-36.60	68.76	5.44	Peak	239	264	6	5875.00	65.28	105.20	-39.92	59.84	5.44	Peak	239	264	7	5925.00	57.52	68.20	-10.68	52.09	5.43	Peak	239	264	8	11650.00	46.83	54.00	-7.17	32.62	14.21	Average	261	201	9	11650.00	59.45	74.00	-14.55	45.24	14.21	Peak	261	201	10	17475.00	67.49	68.20	-0.71	48.63	18.86	Peak	127	50
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																																								
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4	5850.00	75.21	122.20	-46.99	69.76	5.45	Peak	239	264																																																																																																								
5	5855.00	74.20	110.80	-36.60	68.76	5.44	Peak	239	264																																																																																																								
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Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m). Note 3: "*" is Peak / Average value of fundamental frequency																																																																																																																	

Modulation	11a	Test Freq. (MHz)	5825																																																																																																														
Polarization	Vertical																																																																																																																
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																																																	
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>56.68</td><td>68.20</td><td>-11.52</td><td>52.14</td><td>4.54</td><td>Peak</td><td>192</td><td>196</td></tr><tr><td>2</td><td>* 5825.00</td><td>107.69</td><td></td><td></td><td>102.40</td><td>5.29</td><td>Average</td><td>192</td><td>196</td></tr><tr><td>3</td><td>* 5825.00</td><td>117.41</td><td></td><td></td><td>112.12</td><td>5.29</td><td>Peak</td><td>192</td><td>196</td></tr><tr><td>4</td><td>5850.00</td><td>72.84</td><td>122.20</td><td>-49.36</td><td>67.39</td><td>5.45</td><td>Peak</td><td>192</td><td>196</td></tr><tr><td>5</td><td>5855.00</td><td>71.92</td><td>110.80</td><td>-38.88</td><td>66.48</td><td>5.44</td><td>Peak</td><td>192</td><td>196</td></tr><tr><td>6</td><td>5875.00</td><td>63.64</td><td>105.20</td><td>-41.56</td><td>58.20</td><td>5.44</td><td>Peak</td><td>192</td><td>196</td></tr><tr><td>7</td><td>5925.00</td><td>57.41</td><td>68.20</td><td>-10.79</td><td>51.98</td><td>5.43</td><td>Peak</td><td>192</td><td>196</td></tr><tr><td>8</td><td>11650.00</td><td>47.14</td><td>54.00</td><td>-6.86</td><td>32.93</td><td>14.21</td><td>Average</td><td>255</td><td>144</td></tr><tr><td>9</td><td>11650.00</td><td>58.89</td><td>74.00</td><td>-15.11</td><td>44.68</td><td>14.21</td><td>Peak</td><td>255</td><td>144</td></tr><tr><td>10</td><td>17475.00</td><td>64.36</td><td>68.20</td><td>-3.84</td><td>45.50</td><td>18.86</td><td>Peak</td><td>262</td><td>338</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5650.00	56.68	68.20	-11.52	52.14	4.54	Peak	192	196	2	* 5825.00	107.69			102.40	5.29	Average	192	196	3	* 5825.00	117.41			112.12	5.29	Peak	192	196	4	5850.00	72.84	122.20	-49.36	67.39	5.45	Peak	192	196	5	5855.00	71.92	110.80	-38.88	66.48	5.44	Peak	192	196	6	5875.00	63.64	105.20	-41.56	58.20	5.44	Peak	192	196	7	5925.00	57.41	68.20	-10.79	51.98	5.43	Peak	192	196	8	11650.00	47.14	54.00	-6.86	32.93	14.21	Average	255	144	9	11650.00	58.89	74.00	-15.11	44.68	14.21	Peak	255	144	10	17475.00	64.36	68.20	-3.84	45.50	18.86	Peak	262	338
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																																								
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3.1.2 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax (HE20)

Modulation	ax (HE20)	Test Freq. (MHz)	5180
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBuV/m)			

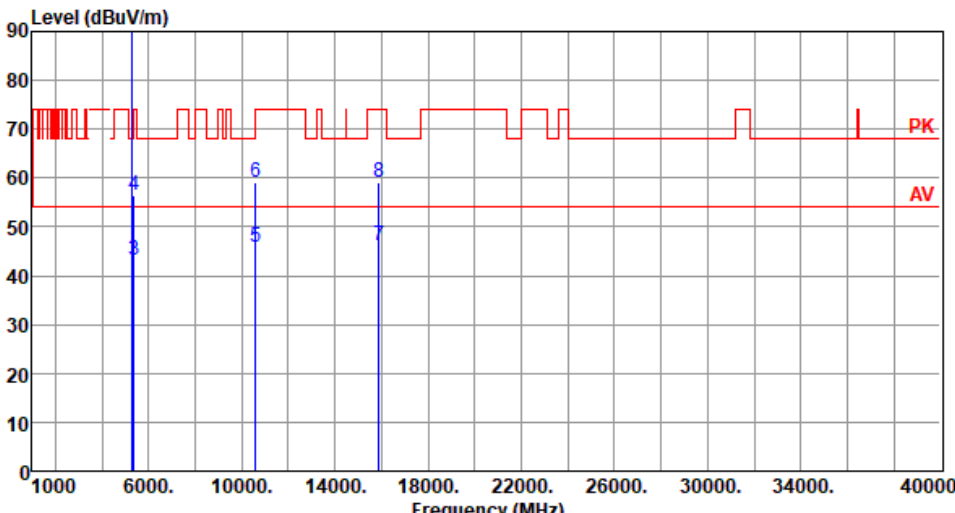
Modulation	ax (HE20)		Test Freq. (MHz)		5180	
Polarization	Vertical					
Test By :Akun Chung Temperature(°C):22 Humidity(%):68						
Level (dBuV/m)  Freq. Emission Limit Margin SA Factor Remark ANT Turn MHz level dBuV/m dBuV/m dB reading dBuV dB cm Table deg 1 5150.00 53.06 54.00 -0.94 48.42 4.64 Average 132 205 2 5150.00 63.94 74.00 -10.06 59.30 4.64 Peak 132 205 3 * 5180.00 104.41 99.95 4.46 Average 132 205 4 * 5180.00 113.84 109.38 4.46 Peak 132 205 5 10360.00 56.96 68.20 -11.24 42.77 14.19 Peak 100 66 6 15540.00 48.12 54.00 -5.88 33.21 14.91 Average 125 118 7 15540.00 65.76 74.00 -8.24 50.85 14.91 Peak 125 118						
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). Note 3:"*" is Peak / Average value of fundamental frequency						

Modulation	ax (HE20)	Test Freq. (MHz)	5200																																																																																
Polarization	Horizontal																																																																																		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																			
																																																																																			
	<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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>45.39</td><td>54.00</td><td>-8.61</td><td>40.75</td><td>4.64</td><td>Average</td><td>251</td><td>244</td></tr><tr><td>2</td><td>5150.00</td><td>64.41</td><td>74.00</td><td>-9.59</td><td>59.77</td><td>4.64</td><td>Peak</td><td>251</td><td>244</td></tr><tr><td>3 *</td><td>5200.00</td><td>109.34</td><td></td><td></td><td>104.99</td><td>4.35</td><td>Average</td><td>251</td><td>244</td></tr><tr><td>4 *</td><td>5200.00</td><td>118.45</td><td></td><td></td><td>114.10</td><td>4.35</td><td>Peak</td><td>251</td><td>244</td></tr><tr><td>5</td><td>10400.00</td><td>56.89</td><td>68.20</td><td>-11.31</td><td>42.59</td><td>14.30</td><td>Peak</td><td>100</td><td>110</td></tr><tr><td>6</td><td>15600.00</td><td>52.16</td><td>54.00</td><td>-1.84</td><td>37.52</td><td>14.64</td><td>Average</td><td>279</td><td>113</td></tr><tr><td>7</td><td>15600.00</td><td>69.78</td><td>74.00</td><td>-4.22</td><td>55.14</td><td>14.64</td><td>Peak</td><td>279</td><td>113</td></tr></table>		Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5150.00	45.39	54.00	-8.61	40.75	4.64	Average	251	244	2	5150.00	64.41	74.00	-9.59	59.77	4.64	Peak	251	244	3 *	5200.00	109.34			104.99	4.35	Average	251	244	4 *	5200.00	118.45			114.10	4.35	Peak	251	244	5	10400.00	56.89	68.20	-11.31	42.59	14.30	Peak	100	110	6	15600.00	52.16	54.00	-1.84	37.52	14.64	Average	279	113	7	15600.00	69.78	74.00	-4.22	55.14	14.64	Peak	279	113		
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																										
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5	10400.00	56.89	68.20	-11.31	42.59	14.30	Peak	100	110																																																																										
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Modulation	ax (HE20)	Test Freq. (MHz)	5200
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBUV/m)			

Modulation	ax (HE20)	Test Freq. (MHz)	5240
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m)			

Modulation	ax (HE20)	Test Freq. (MHz)	5240
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m)			

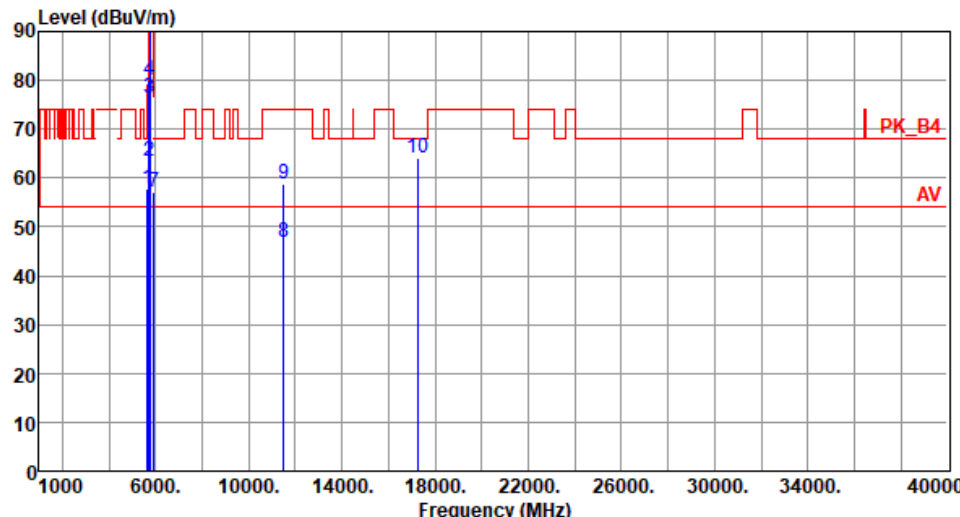
Modulation	ax (HE20)	Test Freq. (MHz)	5300																																																																																										
Polarization	Horizontal																																																																																												
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																													
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5300.00</td><td>101.84</td><td></td><td></td><td>97.83</td><td>4.01</td><td>Average</td><td>228</td><td>242</td></tr><tr><td>2</td><td>5300.00</td><td>111.36</td><td></td><td></td><td>107.35</td><td>4.01</td><td>Peak</td><td>228</td><td>242</td></tr><tr><td>3</td><td>5350.00</td><td>43.19</td><td>54.00</td><td>-10.81</td><td>39.25</td><td>3.94</td><td>Average</td><td>228</td><td>242</td></tr><tr><td>4</td><td>5350.00</td><td>56.34</td><td>74.00</td><td>-17.66</td><td>52.40</td><td>3.94</td><td>Peak</td><td>228</td><td>242</td></tr><tr><td>5</td><td>10600.00</td><td>45.80</td><td>54.00</td><td>-8.20</td><td>31.52</td><td>14.28</td><td>Average</td><td>100</td><td>101</td></tr><tr><td>6</td><td>10600.00</td><td>59.17</td><td>74.00</td><td>-14.83</td><td>44.89</td><td>14.28</td><td>Peak</td><td>100</td><td>101</td></tr><tr><td>7</td><td>15900.00</td><td>46.13</td><td>54.00</td><td>-7.87</td><td>31.88</td><td>14.25</td><td>Average</td><td>100</td><td>87</td></tr><tr><td>8</td><td>15900.00</td><td>59.08</td><td>74.00</td><td>-14.92</td><td>44.83</td><td>14.25</td><td>Peak</td><td>100</td><td>87</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5300.00	101.84			97.83	4.01	Average	228	242	2	5300.00	111.36			107.35	4.01	Peak	228	242	3	5350.00	43.19	54.00	-10.81	39.25	3.94	Average	228	242	4	5350.00	56.34	74.00	-17.66	52.40	3.94	Peak	228	242	5	10600.00	45.80	54.00	-8.20	31.52	14.28	Average	100	101	6	10600.00	59.17	74.00	-14.83	44.89	14.28	Peak	100	101	7	15900.00	46.13	54.00	-7.87	31.88	14.25	Average	100	87	8	15900.00	59.08	74.00	-14.92	44.83	14.25	Peak	100	87
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																				
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Modulation	ax (HE20)	Test Freq. (MHz)	5300
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBUV/m)			

Modulation	ax (HE20)	Test Freq. (MHz)	5580
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBUV/m)			

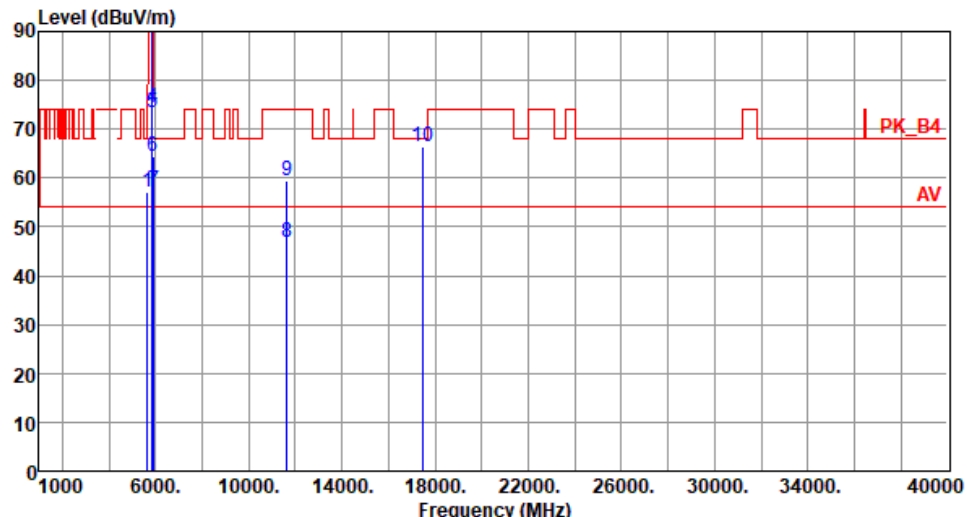
Modulation	ax (HE20)	Test Freq. (MHz)	5580
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBUV/m) </			

Modulation	ax (HE20)	Test Freq. (MHz)	5745																																																																																																														
Polarization	Horizontal																																																																																																																
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																																																	
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>57.64</td><td>68.20</td><td>-10.56</td><td>53.10</td><td>4.54</td><td>Peak</td><td>245</td><td>263</td></tr><tr><td>2</td><td>5700.00</td><td>64.76</td><td>105.20</td><td>-40.44</td><td>60.08</td><td>4.68</td><td>Peak</td><td>245</td><td>263</td></tr><tr><td>3</td><td>5720.00</td><td>78.05</td><td>110.80</td><td>-32.75</td><td>73.24</td><td>4.81</td><td>Peak</td><td>245</td><td>263</td></tr><tr><td>4</td><td>5725.00</td><td>81.69</td><td>122.20</td><td>-40.51</td><td>76.84</td><td>4.85</td><td>Peak</td><td>245</td><td>263</td></tr><tr><td>5 *</td><td>5745.00</td><td>107.45</td><td></td><td></td><td>102.46</td><td>4.99</td><td>Average</td><td>245</td><td>263</td></tr><tr><td>6 *</td><td>5745.00</td><td>117.06</td><td></td><td></td><td>112.07</td><td>4.99</td><td>Peak</td><td>245</td><td>263</td></tr><tr><td>7</td><td>5925.00</td><td>57.26</td><td>68.20</td><td>-10.94</td><td>51.83</td><td>5.43</td><td>Peak</td><td>245</td><td>263</td></tr><tr><td>8</td><td>11490.00</td><td>46.58</td><td>54.00</td><td>-7.42</td><td>31.95</td><td>14.63</td><td>Average</td><td>266</td><td>201</td></tr><tr><td>9</td><td>11490.00</td><td>59.25</td><td>74.00</td><td>-14.75</td><td>44.62</td><td>14.63</td><td>Peak</td><td>266</td><td>201</td></tr><tr><td>10</td><td>17235.00</td><td>64.67</td><td>68.20</td><td>-3.53</td><td>46.91</td><td>17.76</td><td>Peak</td><td>205</td><td>80</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5650.00	57.64	68.20	-10.56	53.10	4.54	Peak	245	263	2	5700.00	64.76	105.20	-40.44	60.08	4.68	Peak	245	263	3	5720.00	78.05	110.80	-32.75	73.24	4.81	Peak	245	263	4	5725.00	81.69	122.20	-40.51	76.84	4.85	Peak	245	263	5 *	5745.00	107.45			102.46	4.99	Average	245	263	6 *	5745.00	117.06			112.07	4.99	Peak	245	263	7	5925.00	57.26	68.20	-10.94	51.83	5.43	Peak	245	263	8	11490.00	46.58	54.00	-7.42	31.95	14.63	Average	266	201	9	11490.00	59.25	74.00	-14.75	44.62	14.63	Peak	266	201	10	17235.00	64.67	68.20	-3.53	46.91	17.76	Peak	205	80
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																																								
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Modulation	ax (HE20)	Test Freq. (MHz)	5745																																																																																																														
Polarization	Vertical																																																																																																																
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																																																	
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>57.62</td><td>68.20</td><td>-10.58</td><td>53.08</td><td>4.54</td><td>Peak</td><td>186</td><td>203</td></tr><tr><td>2</td><td>5700.00</td><td>63.58</td><td>105.20</td><td>-41.62</td><td>58.90</td><td>4.68</td><td>Peak</td><td>186</td><td>203</td></tr><tr><td>3</td><td>5720.00</td><td>76.49</td><td>110.80</td><td>-34.31</td><td>71.68</td><td>4.81</td><td>Peak</td><td>186</td><td>203</td></tr><tr><td>4</td><td>5725.00</td><td>80.15</td><td>122.20</td><td>-42.05</td><td>75.30</td><td>4.85</td><td>Peak</td><td>186</td><td>203</td></tr><tr><td>5 *</td><td>5745.00</td><td>106.48</td><td></td><td></td><td>101.49</td><td>4.99</td><td>Average</td><td>186</td><td>203</td></tr><tr><td>6 *</td><td>5745.00</td><td>116.14</td><td></td><td></td><td>111.15</td><td>4.99</td><td>Peak</td><td>186</td><td>203</td></tr><tr><td>7</td><td>5925.00</td><td>57.08</td><td>68.20</td><td>-11.12</td><td>51.65</td><td>5.43</td><td>Peak</td><td>186</td><td>203</td></tr><tr><td>8</td><td>11490.00</td><td>46.88</td><td>54.00</td><td>-7.12</td><td>32.25</td><td>14.63</td><td>Average</td><td>251</td><td>155</td></tr><tr><td>9</td><td>11490.00</td><td>58.72</td><td>74.00</td><td>-15.28</td><td>44.09</td><td>14.63</td><td>Peak</td><td>251</td><td>155</td></tr><tr><td>10</td><td>17235.00</td><td>64.09</td><td>68.20</td><td>-4.11</td><td>46.33</td><td>17.76</td><td>Peak</td><td>261</td><td>346</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5650.00	57.62	68.20	-10.58	53.08	4.54	Peak	186	203	2	5700.00	63.58	105.20	-41.62	58.90	4.68	Peak	186	203	3	5720.00	76.49	110.80	-34.31	71.68	4.81	Peak	186	203	4	5725.00	80.15	122.20	-42.05	75.30	4.85	Peak	186	203	5 *	5745.00	106.48			101.49	4.99	Average	186	203	6 *	5745.00	116.14			111.15	4.99	Peak	186	203	7	5925.00	57.08	68.20	-11.12	51.65	5.43	Peak	186	203	8	11490.00	46.88	54.00	-7.12	32.25	14.63	Average	251	155	9	11490.00	58.72	74.00	-15.28	44.09	14.63	Peak	251	155	10	17235.00	64.09	68.20	-4.11	46.33	17.76	Peak	261	346
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																																								
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Modulation	ax (HE20)	Test Freq. (MHz)	5785
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m) </			

Modulation	ax (HE20)	Test Freq. (MHz)	5785
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m) <			

Modulation	ax (HE20)	Test Freq. (MHz)	5825																																																																																																														
Polarization	Horizontal																																																																																																																
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																																																	
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5650.00</td><td>57.08</td><td>68.20</td><td>-11.12</td><td>52.54</td><td>4.54</td><td>Peak</td><td>236</td><td>262</td></tr><tr><td>2</td><td>* 5825.00</td><td>107.79</td><td></td><td></td><td>102.50</td><td>5.29</td><td>Average</td><td>236</td><td>262</td></tr><tr><td>3</td><td>* 5825.00</td><td>117.48</td><td></td><td></td><td>112.19</td><td>5.29</td><td>Peak</td><td>236</td><td>262</td></tr><tr><td>4</td><td>5850.00</td><td>74.26</td><td>122.20</td><td>-47.94</td><td>68.81</td><td>5.45</td><td>Peak</td><td>236</td><td>262</td></tr><tr><td>5</td><td>5855.00</td><td>73.42</td><td>110.80</td><td>-37.38</td><td>67.98</td><td>5.44</td><td>Peak</td><td>236</td><td>262</td></tr><tr><td>6</td><td>5875.00</td><td>64.39</td><td>105.20</td><td>-40.81</td><td>58.95</td><td>5.44</td><td>Peak</td><td>236</td><td>262</td></tr><tr><td>7</td><td>5925.00</td><td>57.49</td><td>68.20</td><td>-10.71</td><td>52.06</td><td>5.43</td><td>Peak</td><td>236</td><td>262</td></tr><tr><td>8</td><td>11650.00</td><td>46.81</td><td>54.00</td><td>-7.19</td><td>32.60</td><td>14.21</td><td>Average</td><td>266</td><td>195</td></tr><tr><td>9</td><td>11650.00</td><td>59.38</td><td>74.00</td><td>-14.62</td><td>45.17</td><td>14.21</td><td>Peak</td><td>266</td><td>195</td></tr><tr><td>10</td><td>17475.00</td><td>66.32</td><td>68.20</td><td>-1.88</td><td>47.46</td><td>18.86</td><td>Peak</td><td>167</td><td>88</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5650.00	57.08	68.20	-11.12	52.54	4.54	Peak	236	262	2	* 5825.00	107.79			102.50	5.29	Average	236	262	3	* 5825.00	117.48			112.19	5.29	Peak	236	262	4	5850.00	74.26	122.20	-47.94	68.81	5.45	Peak	236	262	5	5855.00	73.42	110.80	-37.38	67.98	5.44	Peak	236	262	6	5875.00	64.39	105.20	-40.81	58.95	5.44	Peak	236	262	7	5925.00	57.49	68.20	-10.71	52.06	5.43	Peak	236	262	8	11650.00	46.81	54.00	-7.19	32.60	14.21	Average	266	195	9	11650.00	59.38	74.00	-14.62	45.17	14.21	Peak	266	195	10	17475.00	66.32	68.20	-1.88	47.46	18.86	Peak	167	88
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																																								
1	5650.00	57.08	68.20	-11.12	52.54	4.54	Peak	236	262																																																																																																								
2	* 5825.00	107.79			102.50	5.29	Average	236	262																																																																																																								
3	* 5825.00	117.48			112.19	5.29	Peak	236	262																																																																																																								
4	5850.00	74.26	122.20	-47.94	68.81	5.45	Peak	236	262																																																																																																								
5	5855.00	73.42	110.80	-37.38	67.98	5.44	Peak	236	262																																																																																																								
6	5875.00	64.39	105.20	-40.81	58.95	5.44	Peak	236	262																																																																																																								
7	5925.00	57.49	68.20	-10.71	52.06	5.43	Peak	236	262																																																																																																								
8	11650.00	46.81	54.00	-7.19	32.60	14.21	Average	266	195																																																																																																								
9	11650.00	59.38	74.00	-14.62	45.17	14.21	Peak	266	195																																																																																																								
10	17475.00	66.32	68.20	-1.88	47.46	18.86	Peak	167	88																																																																																																								
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). Note 3:"*" is Peak / Average value of fundamental frequency																																																																																																																	

Modulation	ax (HE20)	Test Freq. (MHz)	5825
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):23 Humidity(%):69			
Level (dBuV/m)			

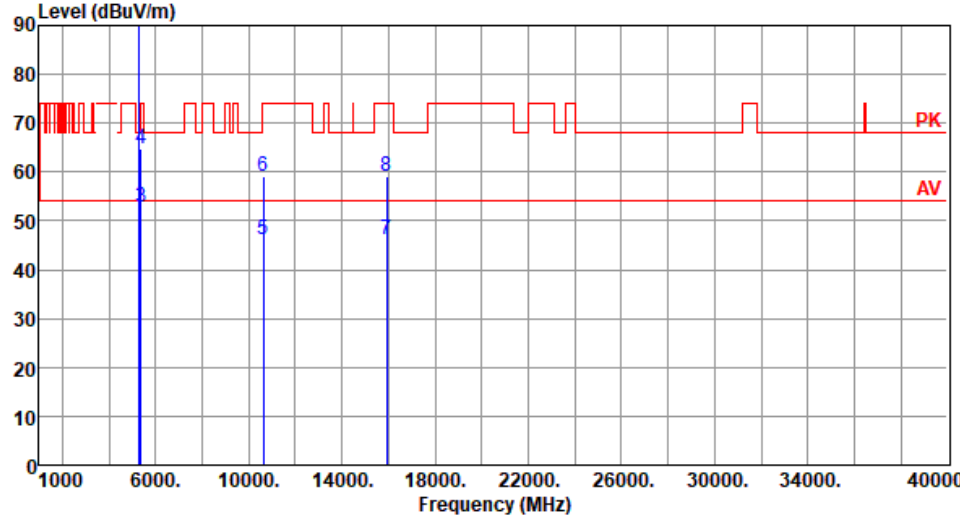
3.1.3 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax (HE40)

Modulation	ax (HE40)	Test Freq. (MHz)	5190
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBuV/m)			

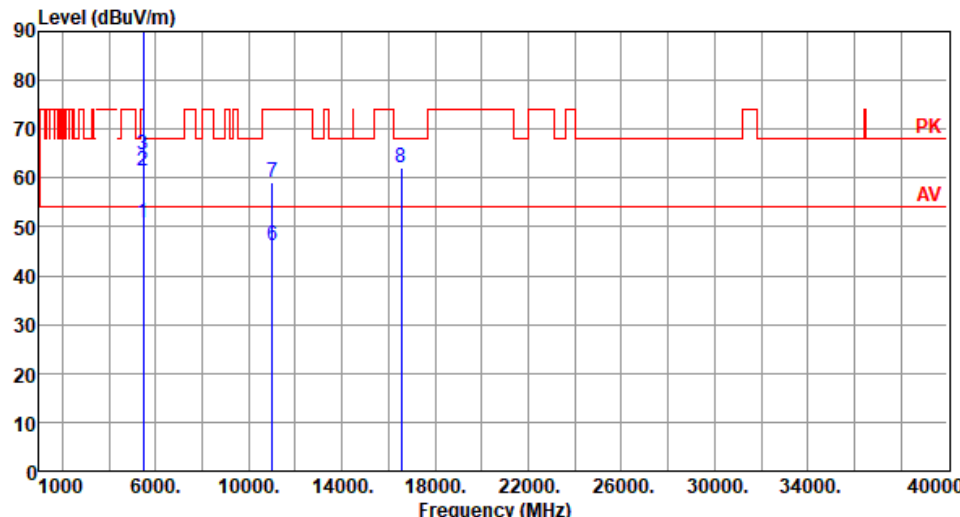
Modulation	ax (HE40)	Test Freq. (MHz)	5190
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBuV/m)			

Modulation	ax (HE40)	Test Freq. (MHz)	5230
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBUV/m)			

Modulation	ax (HE40)	Test Freq. (MHz)	5230
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBUV/m)			

Modulation	ax (HE40)	Test Freq. (MHz)	5310																																																																																																
Polarization	Horizontal																																																																																																		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68																																																																																																			
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>*</td><td>5310.00</td><td>102.23</td><td></td><td>98.23</td><td>4.00</td><td>Average</td><td>169</td><td>262</td></tr><tr><td>2</td><td>*</td><td>5310.00</td><td>110.70</td><td></td><td>106.70</td><td>4.00</td><td>Peak</td><td>169</td><td>262</td></tr><tr><td>3</td><td></td><td>5350.00</td><td>52.89</td><td>54.00</td><td>-1.11</td><td>48.95</td><td>3.94</td><td>Average</td><td>163</td><td>265</td></tr><tr><td>4</td><td></td><td>5350.00</td><td>64.84</td><td>74.00</td><td>-9.16</td><td>60.90</td><td>3.94</td><td>Peak</td><td>163</td><td>265</td></tr><tr><td>5</td><td></td><td>10620.00</td><td>46.14</td><td>54.00</td><td>-7.86</td><td>31.80</td><td>14.34</td><td>Average</td><td>100</td><td>55</td></tr><tr><td>6</td><td></td><td>10620.00</td><td>59.18</td><td>74.00</td><td>-14.82</td><td>44.84</td><td>14.34</td><td>Peak</td><td>100</td><td>55</td></tr><tr><td>7</td><td></td><td>15930.00</td><td>46.12</td><td>54.00</td><td>-7.88</td><td>31.89</td><td>14.23</td><td>Average</td><td>100</td><td>87</td></tr><tr><td>8</td><td></td><td>15930.00</td><td>59.05</td><td>74.00</td><td>-14.95</td><td>44.82</td><td>14.23</td><td>Peak</td><td>100</td><td>87</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	*	5310.00	102.23		98.23	4.00	Average	169	262	2	*	5310.00	110.70		106.70	4.00	Peak	169	262	3		5350.00	52.89	54.00	-1.11	48.95	3.94	Average	163	265	4		5350.00	64.84	74.00	-9.16	60.90	3.94	Peak	163	265	5		10620.00	46.14	54.00	-7.86	31.80	14.34	Average	100	55	6		10620.00	59.18	74.00	-14.82	44.84	14.34	Peak	100	55	7		15930.00	46.12	54.00	-7.88	31.89	14.23	Average	100	87	8		15930.00	59.05	74.00	-14.95	44.82	14.23	Peak	100	87
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																										
1	*	5310.00	102.23		98.23	4.00	Average	169	262																																																																																										
2	*	5310.00	110.70		106.70	4.00	Peak	169	262																																																																																										
3		5350.00	52.89	54.00	-1.11	48.95	3.94	Average	163	265																																																																																									
4		5350.00	64.84	74.00	-9.16	60.90	3.94	Peak	163	265																																																																																									
5		10620.00	46.14	54.00	-7.86	31.80	14.34	Average	100	55																																																																																									
6		10620.00	59.18	74.00	-14.82	44.84	14.34	Peak	100	55																																																																																									
7		15930.00	46.12	54.00	-7.88	31.89	14.23	Average	100	87																																																																																									
8		15930.00	59.05	74.00	-14.95	44.82	14.23	Peak	100	87																																																																																									
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m). Note 3: "*" is Peak / Average value of fundamental frequency																																																																																																			

Modulation	ax (HE40)	Test Freq. (MHz)	5310
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBuV/m) </			

Modulation	ax (HE40)	Test Freq. (MHz)	5510																																																																																										
Polarization	Horizontal																																																																																												
Test By :Akun Chung Temperature(°C):22 Humidity(%):68																																																																																													
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5460.00</td><td>50.80</td><td>54.00</td><td>-3.20</td><td>46.35</td><td>4.45</td><td>Average</td><td>213</td><td>258</td></tr><tr><td>2</td><td>5460.00</td><td>61.41</td><td>74.00</td><td>-12.59</td><td>56.96</td><td>4.45</td><td>Peak</td><td>213</td><td>258</td></tr><tr><td>3</td><td>5470.00</td><td>64.70</td><td>68.20</td><td>-3.50</td><td>60.20</td><td>4.50</td><td>Peak</td><td>213</td><td>258</td></tr><tr><td>4 *</td><td>5510.00</td><td>100.99</td><td></td><td></td><td>96.35</td><td>4.64</td><td>Average</td><td>213</td><td>263</td></tr><tr><td>5 *</td><td>5510.00</td><td>109.39</td><td></td><td></td><td>104.75</td><td>4.64</td><td>Peak</td><td>213</td><td>263</td></tr><tr><td>6</td><td>11020.00</td><td>46.15</td><td>54.00</td><td>-7.85</td><td>31.34</td><td>14.81</td><td>Average</td><td>100</td><td>72</td></tr><tr><td>7</td><td>11020.00</td><td>59.21</td><td>74.00</td><td>-14.79</td><td>44.40</td><td>14.81</td><td>Peak</td><td>100</td><td>72</td></tr><tr><td>8</td><td>16530.00</td><td>62.19</td><td>68.20</td><td>-6.01</td><td>45.86</td><td>16.33</td><td>Peak</td><td>100</td><td>83</td></tr></tbody></table> Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m). Note 3:"*" is Peak / Average value of fundamental frequency					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5460.00	50.80	54.00	-3.20	46.35	4.45	Average	213	258	2	5460.00	61.41	74.00	-12.59	56.96	4.45	Peak	213	258	3	5470.00	64.70	68.20	-3.50	60.20	4.50	Peak	213	258	4 *	5510.00	100.99			96.35	4.64	Average	213	263	5 *	5510.00	109.39			104.75	4.64	Peak	213	263	6	11020.00	46.15	54.00	-7.85	31.34	14.81	Average	100	72	7	11020.00	59.21	74.00	-14.79	44.40	14.81	Peak	100	72	8	16530.00	62.19	68.20	-6.01	45.86	16.33	Peak	100	83
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																				
1	5460.00	50.80	54.00	-3.20	46.35	4.45	Average	213	258																																																																																				
2	5460.00	61.41	74.00	-12.59	56.96	4.45	Peak	213	258																																																																																				
3	5470.00	64.70	68.20	-3.50	60.20	4.50	Peak	213	258																																																																																				
4 *	5510.00	100.99			96.35	4.64	Average	213	263																																																																																				
5 *	5510.00	109.39			104.75	4.64	Peak	213	263																																																																																				
6	11020.00	46.15	54.00	-7.85	31.34	14.81	Average	100	72																																																																																				
7	11020.00	59.21	74.00	-14.79	44.40	14.81	Peak	100	72																																																																																				
8	16530.00	62.19	68.20	-6.01	45.86	16.33	Peak	100	83																																																																																				

Modulation	ax (HE40)	Test Freq. (MHz)	5510
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBUV/m) </			

Modulation	ax (HE40)	Test Freq. (MHz)	5670
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBUV/m)			

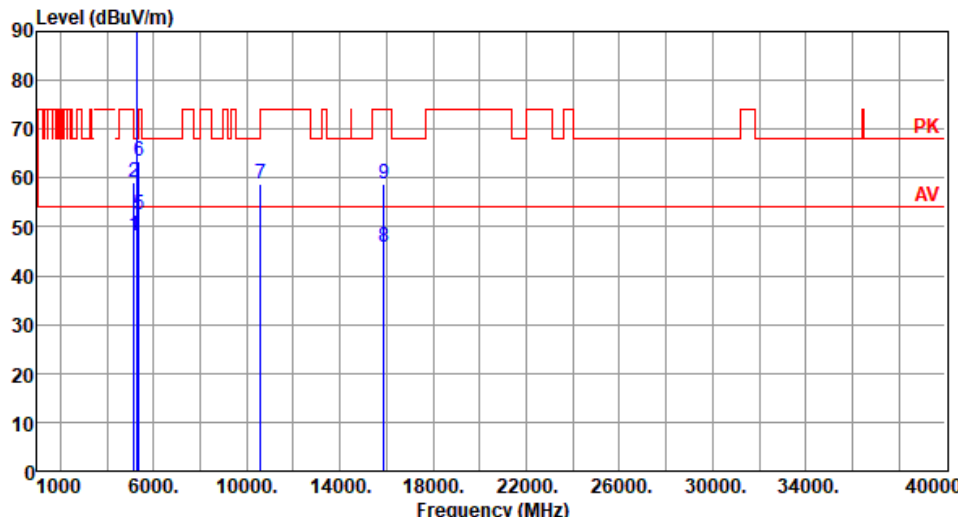
Modulation	ax (HE40)	Test Freq. (MHz)	5670
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBuV/m) <			

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

Modulation	ax (HE80)	Test Freq. (MHz)	5210
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBuV/m)			

Modulation	ax (HE80)	Test Freq. (MHz)	5210
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBUV/m)			

Modulation	ax (HE80)	Test Freq. (MHz)	5290
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBUV/m)			

Modulation	ax (HE80)	Test Freq. (MHz)	5290																																																																																																				
Polarization	Vertical																																																																																																						
Test By :Akun Chung Temperature(°C):22 Humidity(%):68																																																																																																							
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5150.00</td><td>48.13</td><td>54.00</td><td>-5.87</td><td>43.49</td><td>4.64</td><td>Average</td><td>121</td><td>203</td></tr><tr><td>2</td><td>5150.00</td><td>59.12</td><td>74.00</td><td>-14.88</td><td>54.48</td><td>4.64</td><td>Peak</td><td>121</td><td>203</td></tr><tr><td>3 *</td><td>5290.00</td><td>96.31</td><td></td><td></td><td>92.27</td><td>4.04</td><td>Average</td><td>121</td><td>203</td></tr><tr><td>4 *</td><td>5290.00</td><td>106.33</td><td></td><td></td><td>102.29</td><td>4.04</td><td>Peak</td><td>121</td><td>203</td></tr><tr><td>5</td><td>5350.00</td><td>52.39</td><td>54.00</td><td>-1.61</td><td>48.45</td><td>3.94</td><td>Average</td><td>177</td><td>345</td></tr><tr><td>6</td><td>5350.00</td><td>63.48</td><td>74.00</td><td>-10.52</td><td>59.54</td><td>3.94</td><td>Peak</td><td>177</td><td>345</td></tr><tr><td>7</td><td>10580.00</td><td>58.66</td><td>68.20</td><td>-9.54</td><td>44.34</td><td>14.32</td><td>Peak</td><td>100</td><td>61</td></tr><tr><td>8</td><td>15870.00</td><td>45.93</td><td>54.00</td><td>-8.07</td><td>31.70</td><td>14.23</td><td>Average</td><td>100</td><td>77</td></tr><tr><td>9</td><td>15870.00</td><td>58.85</td><td>74.00</td><td>-15.15</td><td>44.62</td><td>14.23</td><td>Peak</td><td>100</td><td>77</td></tr></table>					Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5150.00	48.13	54.00	-5.87	43.49	4.64	Average	121	203	2	5150.00	59.12	74.00	-14.88	54.48	4.64	Peak	121	203	3 *	5290.00	96.31			92.27	4.04	Average	121	203	4 *	5290.00	106.33			102.29	4.04	Peak	121	203	5	5350.00	52.39	54.00	-1.61	48.45	3.94	Average	177	345	6	5350.00	63.48	74.00	-10.52	59.54	3.94	Peak	177	345	7	10580.00	58.66	68.20	-9.54	44.34	14.32	Peak	100	61	8	15870.00	45.93	54.00	-8.07	31.70	14.23	Average	100	77	9	15870.00	58.85	74.00	-15.15	44.62	14.23	Peak	100	77
	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																														
1	5150.00	48.13	54.00	-5.87	43.49	4.64	Average	121	203																																																																																														
2	5150.00	59.12	74.00	-14.88	54.48	4.64	Peak	121	203																																																																																														
3 *	5290.00	96.31			92.27	4.04	Average	121	203																																																																																														
4 *	5290.00	106.33			102.29	4.04	Peak	121	203																																																																																														
5	5350.00	52.39	54.00	-1.61	48.45	3.94	Average	177	345																																																																																														
6	5350.00	63.48	74.00	-10.52	59.54	3.94	Peak	177	345																																																																																														
7	10580.00	58.66	68.20	-9.54	44.34	14.32	Peak	100	61																																																																																														
8	15870.00	45.93	54.00	-8.07	31.70	14.23	Average	100	77																																																																																														
9	15870.00	58.85	74.00	-15.15	44.62	14.23	Peak	100	77																																																																																														
Note 1: Emission Level (dBUV/m) = SA Reading (dBUV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m). Note 3:"*" is Peak / Average value of fundamental frequency																																																																																																							

Modulation	ax (HE80)	Test Freq. (MHz)	5530
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBUV/m)			

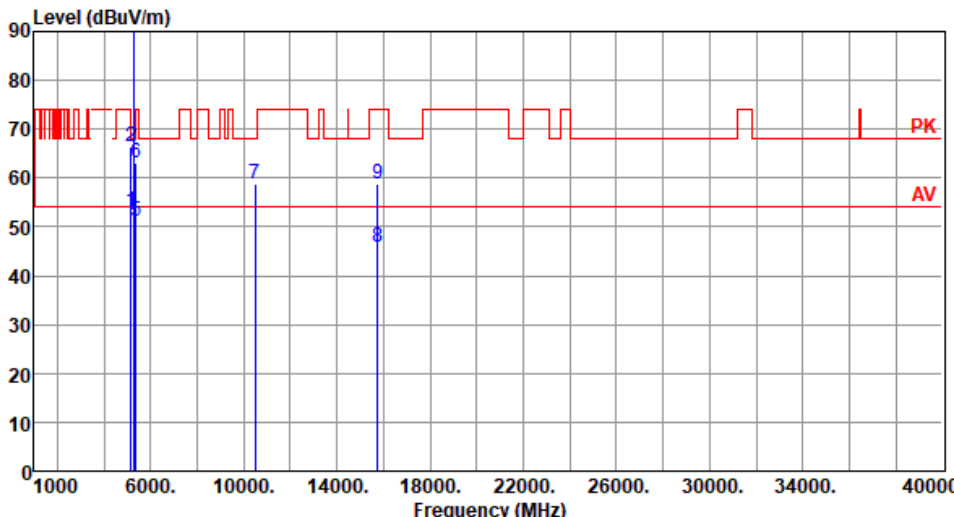
Modulation	ax (HE80)		Test Freq. (MHz)		5530	
Polarization	Vertical					
Test By :Akun Chung Temperature(°C):22 Humidity(%):68						
Level (dBUV/m) <						

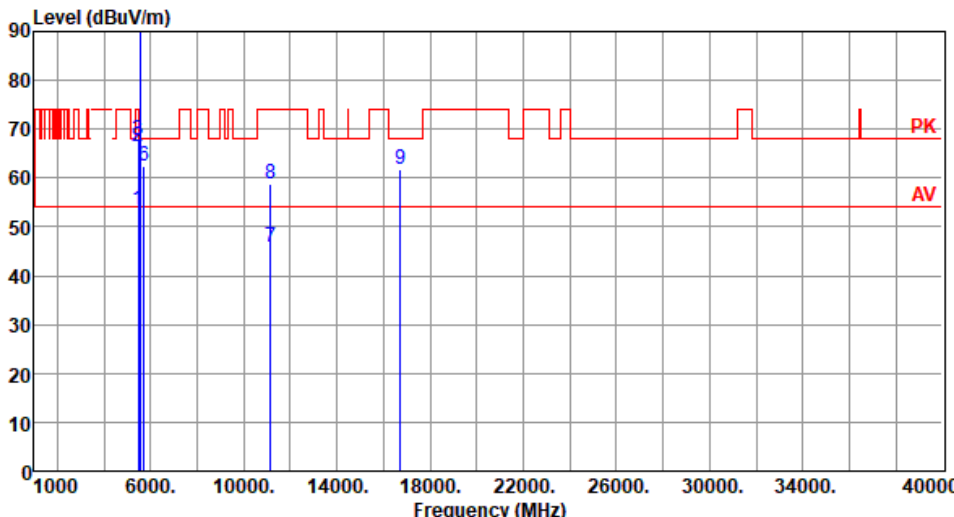
Modulation	ax (HE80)	Test Freq. (MHz)	5775
Polarization	Horizontal		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBUV/m)			

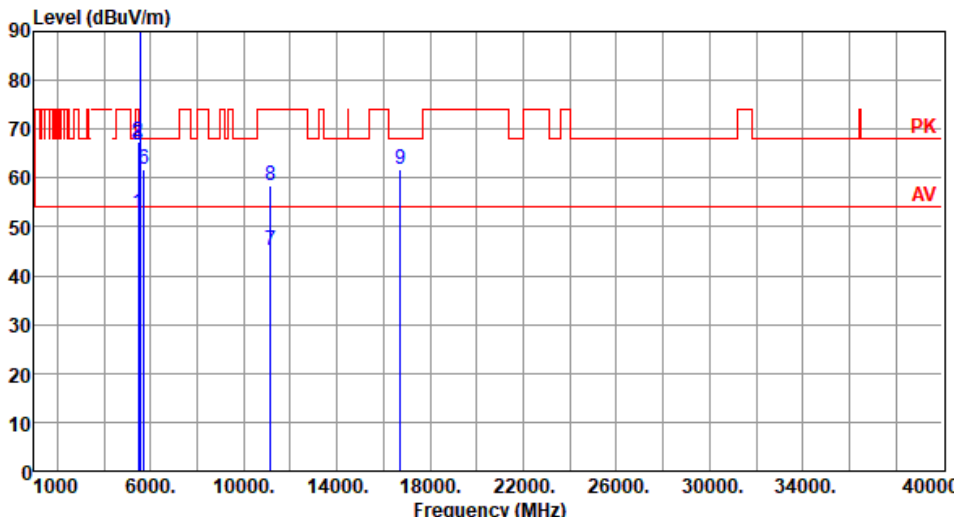
Modulation	ax (HE80)	Test Freq. (MHz)	5775
Polarization	Vertical		
Test By :Akun Chung Temperature(°C):22 Humidity(%):68			
Level (dBUV/m) </			

3.1.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax (HE160)

Modulation	ax (HE160)		Test Freq. (MHz)		5250				
Polarization	Horizontal								
Test By :Akun Chung			Temperature(°C):23			Humidity(%):69			
Level (dBuV/m) </									

Modulation	ax (HE160)	Test Freq. (MHz)	5250																																																																																																				
Polarization	Vertical																																																																																																						
Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																																							
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr></thead><tbody><tr><td>1</td><td>5150.00</td><td>53.15</td><td>54.00</td><td>-0.85</td><td>48.51</td><td>4.64</td><td>Average</td><td>166</td><td>184</td></tr><tr><td>2</td><td>5150.00</td><td>66.54</td><td>74.00</td><td>-7.46</td><td>61.90</td><td>4.64</td><td>Peak</td><td>166</td><td>184</td></tr><tr><td>3 *</td><td>5250.00</td><td>92.82</td><td></td><td></td><td>88.64</td><td>4.18</td><td>Average</td><td>100</td><td>191</td></tr><tr><td>4 *</td><td>5250.00</td><td>103.30</td><td></td><td></td><td>99.12</td><td>4.18</td><td>Peak</td><td>100</td><td>191</td></tr><tr><td>5</td><td>5350.00</td><td>51.03</td><td>54.00</td><td>-2.97</td><td>47.09</td><td>3.94</td><td>Average</td><td>154</td><td>338</td></tr><tr><td>6</td><td>5350.00</td><td>62.98</td><td>74.00</td><td>-11.02</td><td>59.04</td><td>3.94</td><td>Peak</td><td>154</td><td>338</td></tr><tr><td>7</td><td>10500.00</td><td>58.69</td><td>68.20</td><td>-9.51</td><td>44.19</td><td>14.50</td><td>Peak</td><td>100</td><td>93</td></tr><tr><td>8</td><td>15750.00</td><td>45.92</td><td>54.00</td><td>-8.08</td><td>31.72</td><td>14.20</td><td>Average</td><td>100</td><td>36</td></tr><tr><td>9</td><td>15750.00</td><td>58.84</td><td>74.00</td><td>-15.16</td><td>44.64</td><td>14.20</td><td>Peak</td><td>100</td><td>36</td></tr></tbody></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5150.00	53.15	54.00	-0.85	48.51	4.64	Average	166	184	2	5150.00	66.54	74.00	-7.46	61.90	4.64	Peak	166	184	3 *	5250.00	92.82			88.64	4.18	Average	100	191	4 *	5250.00	103.30			99.12	4.18	Peak	100	191	5	5350.00	51.03	54.00	-2.97	47.09	3.94	Average	154	338	6	5350.00	62.98	74.00	-11.02	59.04	3.94	Peak	154	338	7	10500.00	58.69	68.20	-9.51	44.19	14.50	Peak	100	93	8	15750.00	45.92	54.00	-8.08	31.72	14.20	Average	100	36	9	15750.00	58.84	74.00	-15.16	44.64	14.20	Peak	100	36
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg																																																																																														
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Modulation	ax (HE160)	Test Freq. (MHz)	5570																																																																																																				
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Test By :Akun Chung Temperature(°C):23 Humidity(%):69																																																																																																							
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</th><th>Remark</th><th>ANT High cm</th><th>Turn Table deg</th></tr><tr><td>1</td><td>5460.00</td><td>53.42</td><td>54.00</td><td>-0.58</td><td>48.97</td><td>4.45</td><td>Average</td><td>186</td><td>219</td></tr><tr><td>2</td><td>5460.00</td><td>66.44</td><td>74.00</td><td>-7.56</td><td>61.99</td><td>4.45</td><td>Peak</td><td>186</td><td>219</td></tr><tr><td>3</td><td>5470.00</td><td>67.66</td><td>68.20</td><td>-0.54</td><td>63.16</td><td>4.50</td><td>Peak</td><td>186</td><td>220</td></tr><tr><td>4 *</td><td>5570.00</td><td>94.54</td><td></td><td></td><td>89.99</td><td>4.55</td><td>Average</td><td>102</td><td>89</td></tr><tr><td>5 *</td><td>5570.00</td><td>105.58</td><td></td><td></td><td>101.03</td><td>4.55</td><td>Peak</td><td>102</td><td>89</td></tr><tr><td>6</td><td>5725.00</td><td>62.50</td><td>68.20</td><td>-5.70</td><td>57.65</td><td>4.85</td><td>Peak</td><td>102</td><td>217</td></tr><tr><td>7</td><td>11140.00</td><td>45.94</td><td>54.00</td><td>-8.06</td><td>31.51</td><td>14.43</td><td>Average</td><td>100</td><td>69</td></tr><tr><td>8</td><td>11140.00</td><td>58.65</td><td>74.00</td><td>-15.35</td><td>44.22</td><td>14.43</td><td>Peak</td><td>100</td><td>69</td></tr><tr><td>9</td><td>16710.00</td><td>61.86</td><td>68.20</td><td>-6.34</td><td>44.50</td><td>17.36</td><td>Peak</td><td>100</td><td>47</td></tr></table>					Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg	1	5460.00	53.42	54.00	-0.58	48.97	4.45	Average	186	219	2	5460.00	66.44	74.00	-7.56	61.99	4.45	Peak	186	219	3	5470.00	67.66	68.20	-0.54	63.16	4.50	Peak	186	220	4 *	5570.00	94.54			89.99	4.55	Average	102	89	5 *	5570.00	105.58			101.03	4.55	Peak	102	89	6	5725.00	62.50	68.20	-5.70	57.65	4.85	Peak	102	217	7	11140.00	45.94	54.00	-8.06	31.51	14.43	Average	100	69	8	11140.00	58.65	74.00	-15.35	44.22	14.43	Peak	100	69	9	16710.00	61.86	68.20	-6.34	44.50	17.36	Peak	100	47
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4 Test laboratory information

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

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

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

Linkou

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Kwei Shan

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No. 3-1, Lane 6, Wen San 3rd St.,
Kwei Shan District, Tao Yuan City
333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd
St., Kwei Shan District, Tao Yuan
City 333, Taiwan, R.O.C.

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

Tel: 886-3-271-8666

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Email: ICC_Service@icertifi.com.tw

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