

FCC

RF

TEST REPORT

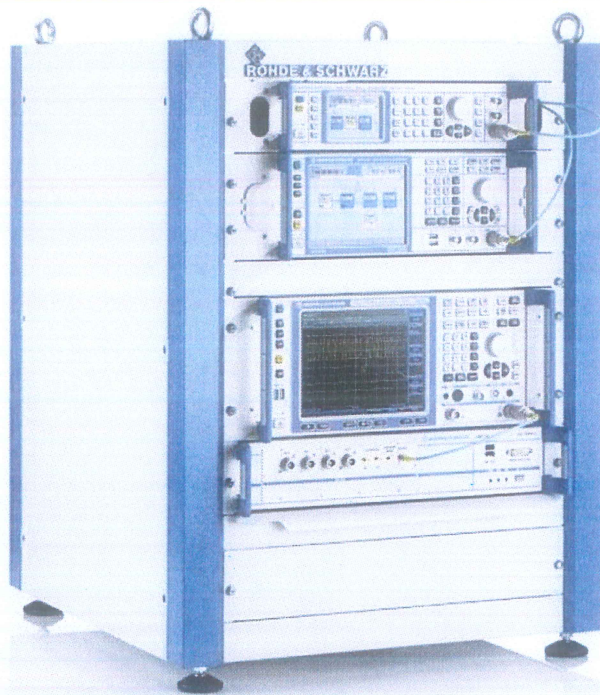
ISSUED BY  
Shenzhen BALUN Technology Co., Ltd.



FOR  
**Tablet PC**

ISSUED TO  
Shenzhen Jingwah Information Technology Co., Ltd.

4F, Bldg 4, Jinghua Square, No.1 Huafa North Road, Shenzhen, China



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Date: Sep. 25, 2018

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Date: Sep. 25, 2018

Report No.: BL-SZ1880007-604  
EUT Name: Tablet PC  
Model Name: BNTV650  
Brand Name: NOOK  
Test Standard: 47 CFR Part 15 Subpart E  
FCC ID: RBD-BNTV650

Test Conclusion: Pass  
Test Date: Sep. 07, 2018 ~ Sep. 14, 2018  
Date of Issue: Sep. 25, 2018

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### Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>Sep. 14, 2018</u>	<u>Initial Issue</u>

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# 1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

## 1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100

## 1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	<p>The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1.</p> <p>The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.</p> <p>The laboratory is a testing organization accredited by American Association for Laboratory Accreditation(A2LA) according to ISO/IEC 17025.The accreditation certificate is 4344.01.</p> <p>The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.</p>
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

## 1.3 Laboratory Condition

Ambient Temperature	20°C to 25°C
Ambient Relative Humidity	45% to 55%
Ambient Pressure	100 kPa to 102 kPa

## 1.4 Announce

- (1) The test report reference to the report template version v4.3.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.
- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

## 2 PRODUCT INFORMATION

### 2.1 Applicant

Applicant	Shenzhen Jingwah Information Technology Co., Ltd.
Address	4F, Bldg 4, Jinghua Square, No.1 Huafa North Road, Shenzhen, China

### 2.2 Manufacturer

Manufacturer	Shenzhen Jingwah Information Technology Co., Ltd.
Address	4F, Bldg 4, Jinghua Square, No.1 Huafa North Road, Shenzhen, China

### 2.3 Factory

Factory	Shenzhen Jingwah Information Technology Co., Ltd.
Address	4F, Bldg 4, Jinghua Square, No.1 Huafa North Road, Shenzhen, China

### 2.4 General Description for Equipment under Test (EUT)

EUT Name	Tablet PC
Model Name Under Test	BNTV650
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	TS108-V1.0 L6
Software Version	BNTV650
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

### 2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	Great Power
	Model No.	GSP30134138
	Serial No.	N/A
	Capacity	6300 mAh
	Rated Voltage	3.7 V
	Limited Voltage	4.2 V
Ancillary Equipment 2	Adapter	
	Brand Name	TIANYIN
	Model No.	TPA-46050200UU
	Serial No.	N/A
	Rated Input	100-240 V~, 50/60 Hz, 0.3 A
Ancillary Equipment 3	USB Cable	
	Length (Approx.)	1.0 m

## 2.6 Technical Information

Network and Wireless connectivity	Bluetooth 4.1 (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g and 802.11n (HT20/40), 802.11ac
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The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	Band I: 5150 MHz to 5250 MHz, Band II: 5250 MHz to 5350 MHz, Band III: 5470 MHz to 5725 MHz Band IV: 5725 MHz to 5850 MHz
Product Type	<input type="checkbox"/> Mobile <input checked="" type="checkbox"/> Portable <input type="checkbox"/> Fix Location
Modulation technology	OFDM
Modulation Type	256QAM, 64QAM, 16QAM, BPSK, QPSK
Product Type	Indoor for IC standard Mobile and portable for FCC standard
Transfer Rate (Mbps) (Single RF path)	802.11a: 54/ 48/ 36 / 24 / 18/12 / 9/ 6 Mbps 802.11n: up to 150 Mbps 802.11ac: up to VHT-MCS9
Channel Bandwidth	802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz 802.11ac: 20 MHz, 40 MHz, 80 MHz
Maximum Output Power	Band I: 9.80 dBm Band II: 9.81 dBm Band III: 10.50 dBm Band IV: 10.00 dBm
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	Band I: 5150 MHz to 5250 MHz: 1 dBi Band II: 5250 MHz to 5350 MHz: 1 dBi Band III: 5470 MHz to 5725 MHz: 1 dBi Band IV: 5725 MHz to 5850 MHz: 1 dBi
About the Product	The equipment is Tablet PC, intended for used with information technology equipment.

## 2.7 Additional Instructions

EUT Software Settings:

Mode	<input checked="" type="checkbox"/> Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.
------	--

During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Test Software Version	Engineer Mode		
Support Units (Software installation media)	Description	Manufacturer	Model
	Notebook	NOOK	BNTV650

Band I (5150 - 5250 MHz ) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	11
11a	CH44	5220	
11a	CH48	5240	
11n (HT20)	CH36	5180	
11n (HT20)	CH44	5220	
11n (HT20)	CH48	5240	
11n (HT40)	CH38	5190	
11n (HT40)	CH46	5230	
11ac (VHT20)	CH36	5180	
11ac (VHT20)	CH44	5220	
11ac (VHT20)	CH48	5240	
11ac (VHT40)	CH38	5190	
11ac (VHT40)	CH46	5230	
11ac (VHT80)	CH42	5210	

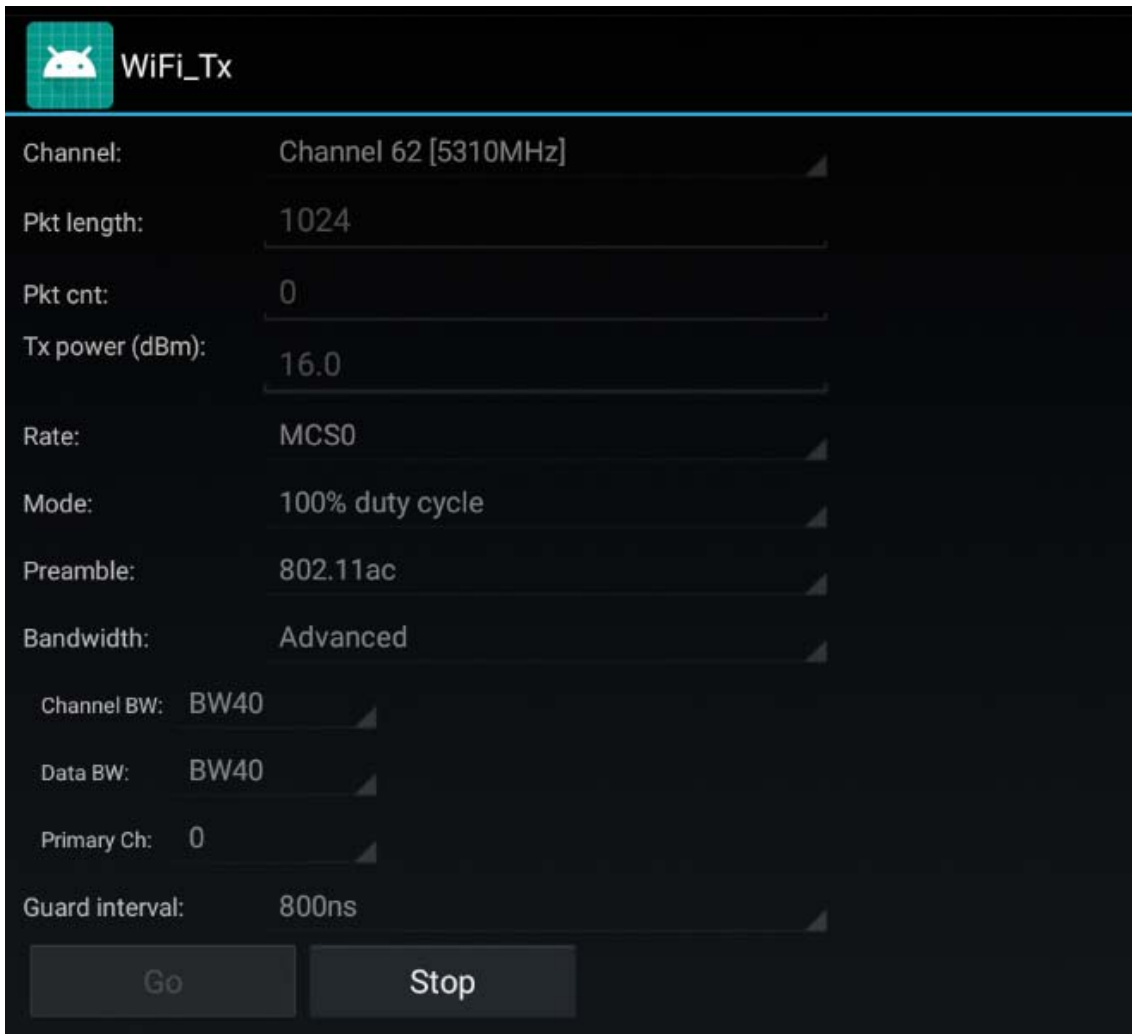
Band II (5250 - 5350 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH52	5260	11
11a	CH60	5300	
11a	CH64	5320	
11n (HT20)	CH52	5260	
11n (HT20)	CH60	5300	
11n (HT20)	CH64	5320	
11n (HT40)	CH54	5270	
11n (HT40)	CH62	5310	
11ac (VHT20)	CH52	5260	
11ac (VHT20)	CH60	5300	
11ac (VHT20)	CH64	5320	
11ac (VHT40)	CH54	5270	
11ac (VHT40)	CH62	5310	
11ac (VHT80)	CH58	5290	

Band III (5470 - 5725 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH100	5500	11
11a	CH116	5580	
11a	CH140	5700	
11n (HT20)	CH100	5500	
11n (HT20)	CH116	5580	
11n (HT20)	CH140	5700	
11n (HT40)	CH102	5510	
11n (HT40)	CH118	5580	
11n (HT40)	CH134	5670	
11ac (VHT20)	CH100	5500	
11ac (VHT20)	CH116	5580	
11ac (VHT20)	CH140	5700	
11ac (VHT40)	CH102	5510	
11ac (VHT40)	CH118	5590	
11ac (VHT40)	CH134	5670	
11ac (VHT80)	CH106	5530	9
11ac (VHT80)	CH122	5610	



Band IV (5725 - 5850 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH149	5745	11
11a	CH157	5785	
11a	CH165	5825	
11n (HT20)	CH149	5745	
11n (HT20)	CH157	5785	
11n (HT20)	CH165	5825	
11n (HT40)	CH151	5755	
11n (HT40)	CH159	5795	
11ac (VHT20)	CH149	5745	
11ac (VHT20)	CH157	5785	
11ac (VHT20)	CH165	5825	
11ac (VHT40)	CH151	5755	
11ac (VHT40)	CH159	5795	
11ac (VHT80)	CH155	5775	

Run Software



## 2.8 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
<b>36</b>	<b>5180</b>	<b>38</b>	<b>5190</b>	<b>42</b>	<b>5210</b>
40	5200	<b>46</b>	<b>5230</b>	<b>58</b>	<b>5290</b>
<b>44</b>	<b>5220</b>	<b>54</b>	<b>5270</b>	<b>106</b>	<b>5530</b>
<b>48</b>	<b>5240</b>	<b>62</b>	<b>5310</b>	<b>122</b>	<b>5610</b>
<b>52</b>	<b>5260</b>	<b>102</b>	<b>5510</b>	<b>155</b>	<b>5775</b>
56	5280	118	5580		
<b>60</b>	<b>5300</b>	<b>134</b>	<b>5670</b>		
<b>64</b>	<b>5320</b>	<b>151</b>	<b>5755</b>		
<b>100</b>	<b>5500</b>	<b>159</b>	<b>5795</b>		
104	5520				
108	5540				
112	5560				
<b>116</b>	<b>5580</b>				
132	5660				
136	5680				
<b>140</b>	<b>5700</b>				
<b>149</b>	<b>5745</b>				
153	5765				
<b>157</b>	<b>5785</b>				
161	5805				
<b>165</b>	<b>5825</b>				

Note: Until further notice, devices subject to this section shall not be capable of transmitting in the band 5600-5650 MHz. This restriction is for the protection of weather radars operating in this band.

The Lowest frequency, the middle frequency and the highest frequency of channel were selected to perform the test, and the selected channel see below:

For 802.11a/n(HT20)/ac(VHT20)

Band I (5150 - 5250 MHz)			Band II (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	52	Low	5260
44	Mid	5220	60	Mid	5300
48	High	5240	64	High	5320

Band III (5470 - 5725 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
100	Low	5500	149	Low	5745
116	Mid	5580	157	Mid	5785
140	High	5700	165	High	5825

For 802.11n(HT40)/ac(VHT40)

Band I (5150 - 5250 MHz)			Band II (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	54	Low	5270
46	High	5230	62	High	5310

Band III (5150 - 5250 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5580	159	High	5795
134	High	5670			

For 802.11ac(VHT80)

Band I (5150 - 5250 MHz)			Band II (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	58	Mid	5290

Band III (5470 - 5725 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
106	Low	5530	155	Mid	5775
122	High	5610			

Note: Preliminary tests were performed in different data rate in above table to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Modulation Type	Band I	Band II	Band III	Band IV
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	MCS0		42	58	122/106	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	VHT-MCS0		42	58	106	155

6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	N/A	N/A	159/151
	11ac(80 MHz)	MCS0		N/A	N/A	N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	MCS0		42	58	106	155
Conducted Spurious Emission and Band Edge (Authorized-band)	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/118/102	159/151
	11ac(80 MHz)	MCS0		42	58	106	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(20 MHz)	6.5		48/44/36	64/60/52	140/116/100	165/157/149
	11ac(40 MHz)	13.5		46/38	62/54	134/102	159/151
	11ac(80 MHz)	MCS0		42	58	106	155
Band Edge (Restricted-band)	11a	6	BPSK	64/36		140/100	165/149
	11n(20 MHz)	6.5		64/36		140/100	165/149
	11n(40 MHz)	13.5		62/38		134/102	159/151
	11ac(20 MHz)	6.5		64/36		140/100	165/149
	11ac(40 MHz)	13.5		62/38		134/102	159/151
	11ac(80 MHz)	MCS0		58/42		106	155
Frequency Stability	Unmodulated	N/A	N/A	36	N/A	N/A	149

### 3 SUMMARY OF TEST RESULTS

#### 3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v02r01	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

#### 3.2 Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass <sup>Note1</sup>
2	RF Output Power	15.407(a)	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	ANNEX A.4	Pass
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Conducted Spurious Emission and Band Edge (Authorized-band)	15.407(b) 15.209	ANNEX A.6	Pass
8	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.7	Pass
9	Frequency Stability	15.407(g)	ANNEX A.8	Pass
10	Receiver Spurious Emissions	--	--	N/A <sup>Note2</sup>

Note <sup>1</sup>: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note <sup>2</sup>: Only radio communication receivers operating in stand-alone mode within the band 30-960 MHz, as well as scanner receivers, are subject to Industry Canada requirements, so this test is not applicable.

Note <sup>3</sup>: The EUT has two type screen, the Radiated Spurious Emission (above 1G only show the data of the worst EUT).

## 4 GENERAL TEST CONFIGURATIONS

### 4.1 Test Environments

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	45% to 55%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
	LT (Low Temperature)	0°C
	HT (High Temperature)	+45°C
Working Voltage of the EUT	NV (Normal Voltage)	3.7 V
	LV (Low Voltage)	3.5 V
	HV (High Voltage)	4.2 V

### 4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2018.06.15	2019.06.14
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2018.06.15	2019.06.14
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2017.11.08	2018.11.07
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2018.06.13	2019.06.12
LISN	SCHWARZBECK	NSLK 8127	8127-687	2018.06.13	2019.06.12
Bluetooth Tester	ROHDE&SCHWARZ	CBT	101005	2018.06.15	2019.06.14
Power Splitter	KMW	DCPD-LDC	1305003215	--	--
Power Sensor	ROHDE&SCHWARZ	NRP-Z21	103971	2018.06.15	2019.06.14
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	--	--
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	--	--
DC Power Supply	ROHDE&SCHWARZ	HMP2020	018141664	2018.06.14	2019.06.13
Temperature Chamber	ANGELANTIONI SCIENCE	NTH64-40A	1310	2018.06.26	2019.06.25
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2017.11.09	2019.11.08
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2015.07.22	2021.07.21
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1148	2015.07.22	2021.07.21
Test Antenna-Horn(15-26.5 GHz)	SCHWARZBECK	BBHA 9170	9170-305	2018.06.21	2019.06.20
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2017.01.06	2019.01.05
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2017.02.21	2019.02.20
Anechoic	EMC Electronic Co.,	20.10*11.60*7.	N/A	2017.08.08	2019.08.07

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Chamber	Ltd	35m			
Shielded Enclosure	ChangNing	CN-130701	130703	--	--
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2018.06.15	2019.06.14
Power Amplifier	OPHIR RF	5225F	1037	2018.02.16	2019.02.15
Power Amplifier	OPHIR RF	5273F	1016	2018.02.16	2019.02.15
Directional Coupler	Werlantone	C5982-10	109275	N/A	N/A
Directional Coupler	Werlantone	CHP-273E	S00801z-01	N/A	N/A
RF Cable	ROHDE&SCHWARZ	JUNFLON	APR0914004	2018.07.10	2018.10.09
RF Cable	COM-MW	RFJA360-2.92mm-J/J3M	N/A	2018.07.10	2018.10.09
RF Cable	Balun	EMC1	N/A	2018.07.10	2018.10.09
RF Cable	Balun	EMC2	N/A	2018.07.10	2018.10.09

Note: The calibration period of the RF cable is three month.

### 4.3 Measurement Uncertainty

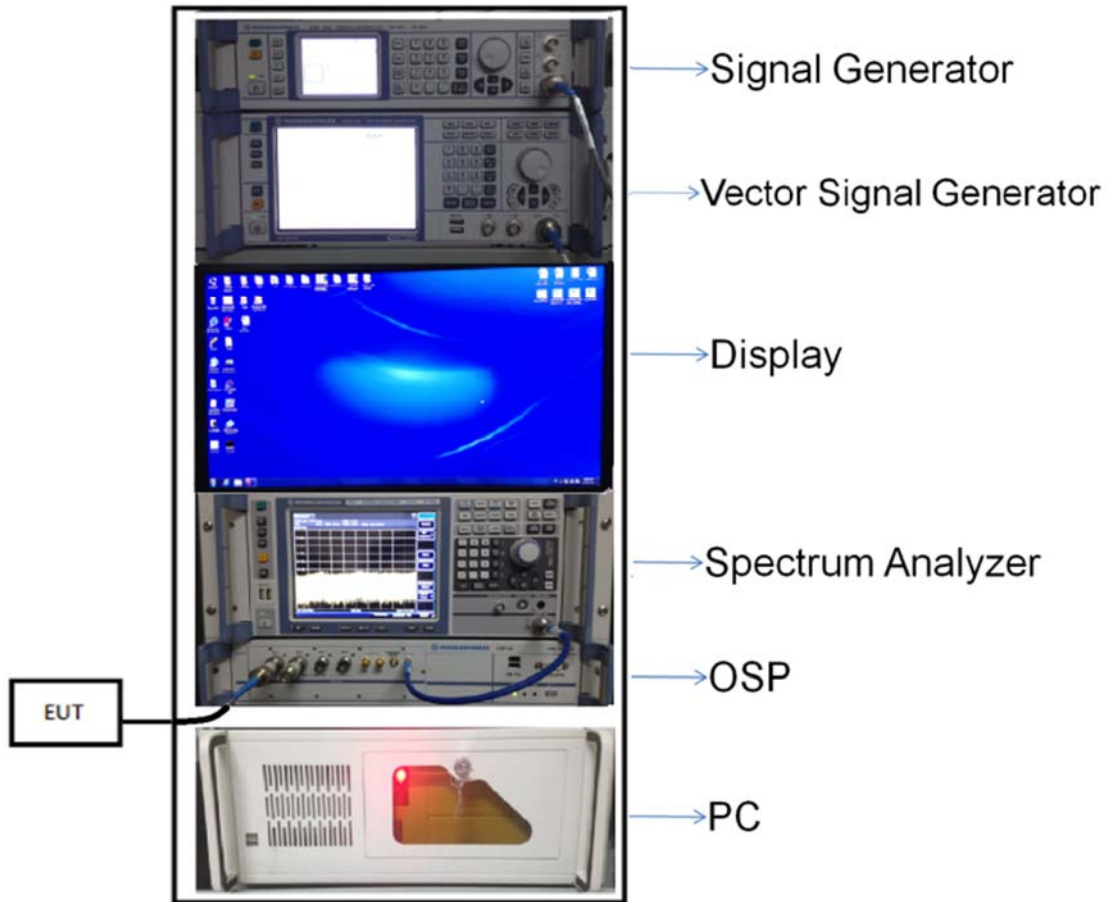
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Value
Occupied Channel Bandwidth	±4%
RF output power, conducted	±1.4 dB
Power Spectral Density, conducted	±2.5 dB
Unwanted Emissions, conducted	±2.8 dB
All emissions, radiated	±5.4 dB
Temperature	±1°C
Humidity	±4%

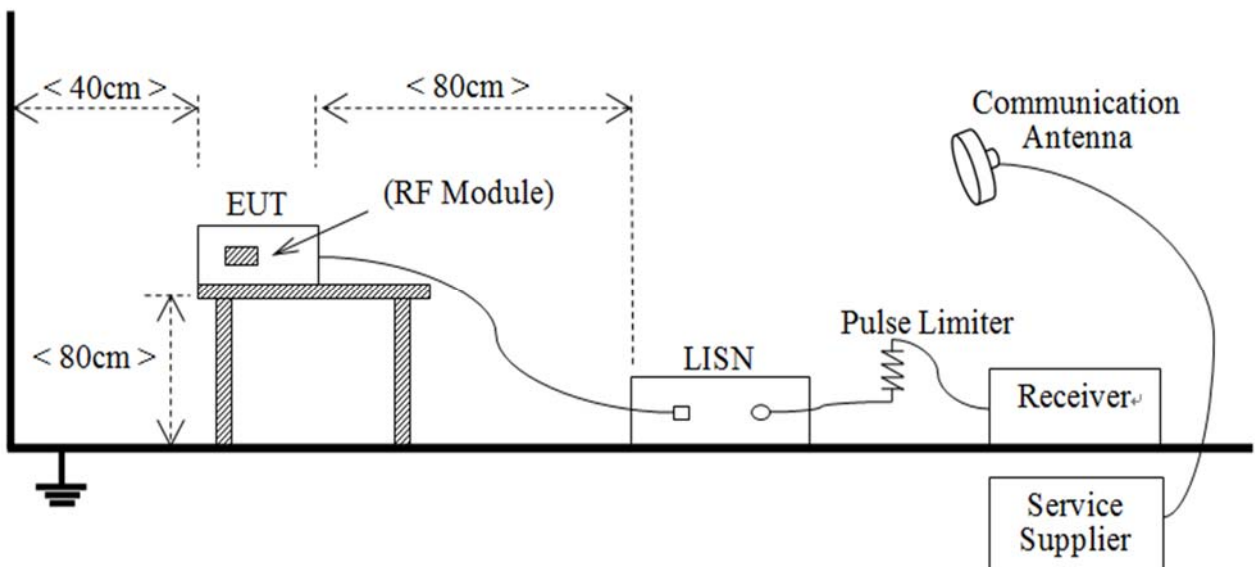
### 4.4 Description of Test Setup

#### 4.4.1 For Antenna Port Test



(Diagram 1)

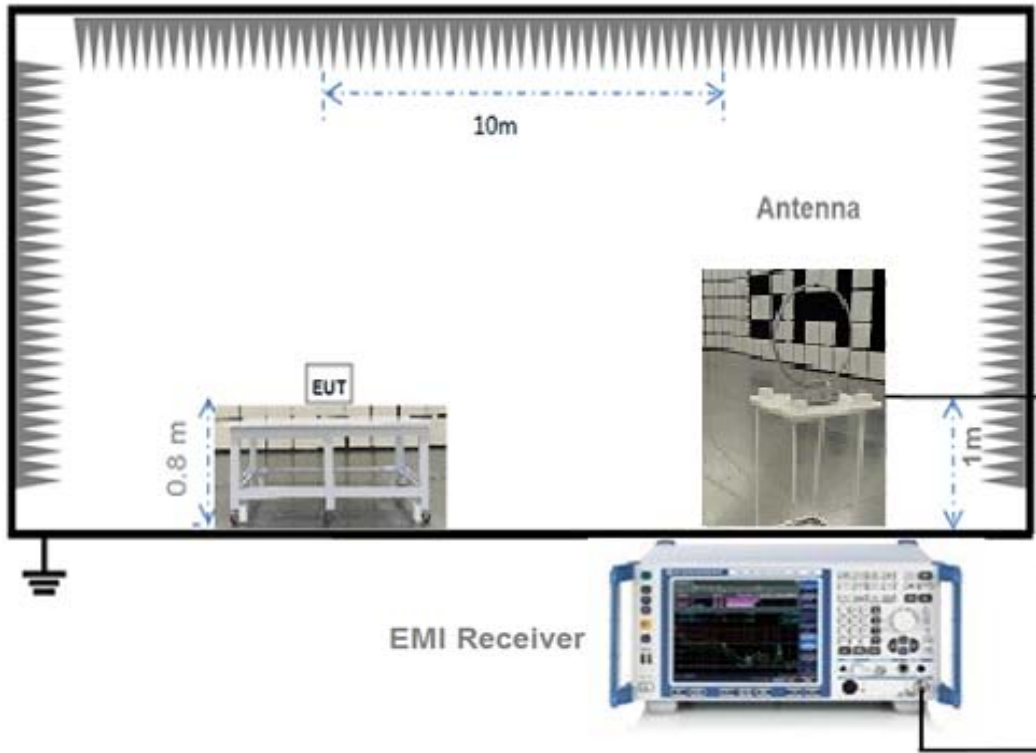
#### 4.4.2 For AC Power Supply Port Test



(Diagram 2)

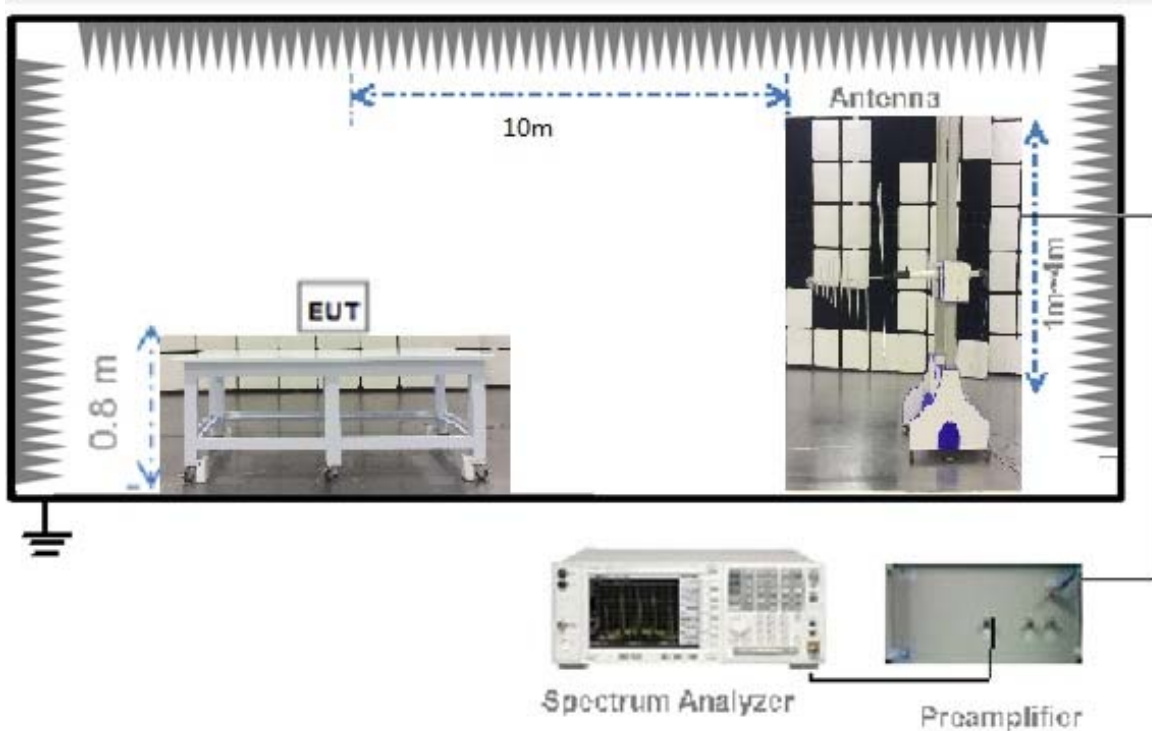


4.4.3 For Radiated Test (Below 30 MHz)



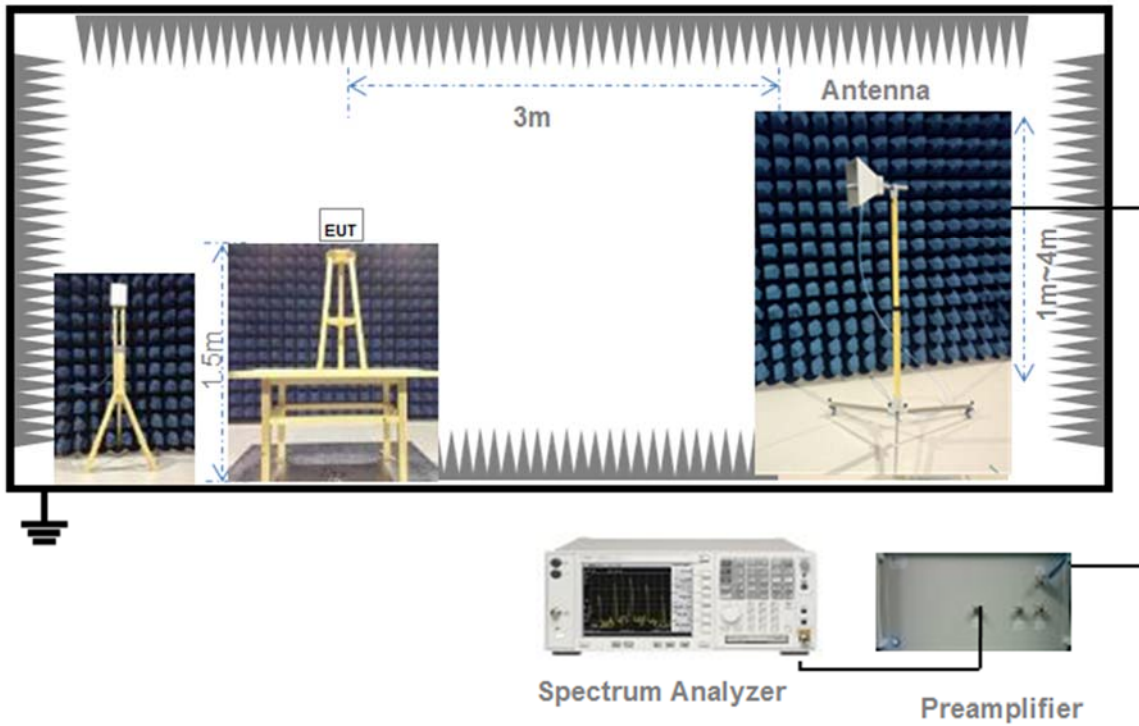
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



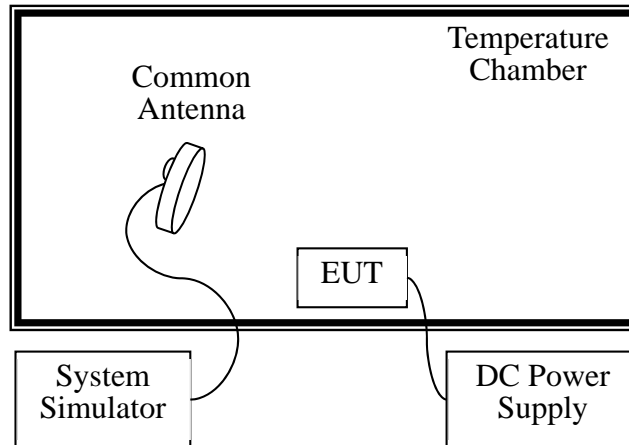
(Diagram 4)

4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

4.4.6 For Frequency Stability Test



(Diagram 6)

## 5 TEST ITEMS

### 5.1 RF Output Power

#### 5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

Frequency Band (MHz)	Limit
5150-5250	250 mW
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where "B" is the 26 dB emissions bandwidth in MHz.	

RSS-247, 6.2

The maximum conducted output power shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	250 mW or 11 dBm + 10log B, whichever is less.
5470-5725	250 mW or 11 dBm + 10log B, whichever is less.
5725-5850	1 W
Note: Where "B" is the 99% emissions bandwidth in MHz.	

The maximum e.i.r.p. shall not exceed:

Frequency Band (MHz)	Limit
5150-5250	200 mW or 10 dBm + 10log B, whichever is less.
5250-5350	1W or 17 dBm + 10log B, whichever is less.
5470-5725	1W or 17 dBm + 10log B, whichever is less.
5725-5850	N/A
Note: Where "B" is the 99% emissions bandwidth in MHz.	

#### 5.1.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

#### 5.1.3 Test Procedure

The maximum peak conducted output power may be measured using a broadband Average RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the emission bandwidth and utilize a fast-responding diode detector.

The E.I.R.P used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

#### 5.1.4 Test Result

Please refer to ANNEX A.1.

## 5.2 Emission Bandwidth and 6 dB Bandwidth

### 5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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

### 5.2.2 Test Setup

The test setup photo please refer to 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.2.3 Test Procedure

#### Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW  $\geq 3 \times$  RBW,
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

#### Occupied Bandwidth

1. Set Span = 1.5 times to 5.0 times the OBW
2. Set RBW = 1% to 5% of the OBW.
3. Set VBW  $\geq 3 \times$  RBW, Detector = Peak.
4. Trace mode = Max hold.
5. Use the 99% power bandwidth function of the instrument.

#### 6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
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.

### 5.2.4 Test Result

Please refer to ANNEX A.2 and ANNEX A.3.

### 5.3 Power Spectral density (PSD)

#### 5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	11 dBm/MHz
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

RSS-247, 6.2

The maximum power spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	N/A
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

The e.i.r.p. spectral density should not exceed:

Frequency Band (MHz)	Limit
5150-5250	10 dBm/MHz
5250-5350	N/A
5470-5725	N/A
5725-5850	N/A

#### 5.3.2 Test Setup

The section 4.4.1 (Diagram 1) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

#### 5.3.3 Test Procedure

Set the spectrum analyzer or EMI receiver span to view the entire emission bandwidth.

1. Set RBW = 510 kHz/1 MHz, VBW  $\geq$  3\*RBW, Sweep time = Auto, Detector = RMS.
2. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak marker function to determine the maximum amplitude level.
4. The E.I.R.P spectral density used radiated test method. At a test site that has been validated using the procedures of ANSI C63.4 or the latest CISPR 16-1-4 for measurements above 1 GHz, so as to simulate a near free-space environment.

#### 5.3.4 Test Result

Please refer to ANNEX A.4.

## 5.4 Conducted Emission

### 5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 $\mu$ H/50 $\Omega$  line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB $\mu$ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

### 5.4.2 Test Setup

The section 4.4.2 (Diagram 2) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.4.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

### 5.4.4 Test Result

Please refer to ANNEX A.5.

## 5.5 Conducted Spurious Emission and Band Edge (Authorized-band)

### 5.5.1 Limit

FCC §15.407(b)

Un-restricted band emissions	
Frequency Band (MHz)	Limit
5150 - 5250	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm
5250 - 5350	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm
5470 - 5725	Outside of the 5.47-5.725 GHz band: e.i.r.p. -27 dBm
5725 - 5850	<p>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.</p>

RSS-247, 6.2

Un-restricted band emissions	
Frequency Band (MHz)	Limit
5150 - 5250	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm, However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz.
5250 - 5350	Outside of the 5.15-5.35 GHz band: e.i.r.p. -27 dBm. And any emissions within the band 5150-5250 MHz shall meet the power spectral density limits of 10 dBm/MHz, The device shall be labelled “for indoor use only.”
5470 - 5725	Outside of the 5.47-5.725 GHz band: e.i.r.p. -27 dBm
5725 - 5850	<p>5715 -5725 MHz: e.i.r.p. -17 dBm                      5850 -5860 MHz: e.i.r.p. -17 dBm                      Other un-restricted band: e.i.r.p. -27 dBm</p>

### 5.5.2 Test Setup

See section 4.4.2 (Diagram 2) for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

### 5.5.3 Test Procedure

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.

RBW = 1 MHz for  $f \geq 1$  GHz, 100 kHz for  $f < 1$  GHz

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize

### 5.5.4 Test Result

Please refer to ANNEX A.6.



## 5.6 Radiated Spurious Emissions and Band Edge (Restricted-band)

### 5.6.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength ( $\mu\text{V}/\text{m}$ )	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note<sup>1</sup>: The Limit for radiated test was performed according to FCC Part 15C

Note<sup>2</sup>: The tighter limit applies at the band edge.

Un-restricted band emissions	
Out Operating Band (MHz)	Limit
5150 - 5250	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5250 - 5350	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5470 - 5725	e.i.r.p. -27 dBm (68.2 dBuV/m@3m)
5725 - 5850	<p>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.</p>

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength.

### 5.6.2 Test Setup

The section 4.4.3-4.4.5 (Diagram 3 - Diagram 5) test setup description was used for this test. The photo of test

setup please refer to ANNEX B.

### 5.6.3 Test Procedure

Since the emission limits are specified in terms of radiated field strength levels, measurements performed to demonstrate compliance have traditionally relied on a radiated test configuration. Radiated measurements remain the principal method for demonstrating compliance to the specified limits; however antenna-port conducted measurements are also now acceptable to demonstrate compliance (see below for details). When radiated measurements are utilized, test site requirements and procedures for maximizing and measuring radiated emissions that are described in ANSI C63.10 shall be followed.

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

### General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies  $\leq$  30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies  $>$  1000 MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20 \log D + 104.8$$

where:

E = electric field strength in dB $\mu$ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

- f) Compare the resultant electric field strength level to the applicable limit.
- g) Perform radiated spurious emission test.

### Quasi-Peak measurement procedure

The specifications for measurements using the CISPR quasi-peak detector can be found in Publication 16 of the International Special Committee on Radio Frequency Interference (CISPR) of the International Electrotechnical Commission.

As an alternative to CISPR quasi-peak measurement, compliance can be demonstrated to the applicable emission limits using a peak detector.

### Peak power measurement procedure

Peak emission levels are measured by setting the instrument as follows:

- a) RBW = as specified in Table 1.
- b) VBW  $\geq$  3 x RBW.
- c) Detector = Peak.
- d) Sweep time = auto.
- e) Trace mode = max hold.
- f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

Frequency	RBW
9-150 kHz	200-300 Hz
0.15-30 MHz	9-10 kHz
30-1000 MHz	100-120 kHz
> 1000 MHz	1 MHz

If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.

Trace averaging across on and off times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT (i.e., duty cycle  $\geq 98$  percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than  $\pm 2$  percent), then the following procedure shall be used:

- a) The EUT shall be configured to operate at the maximum achievable duty cycle.
- b) Measure the duty cycle,  $x$ , of the transmitter output signal as described in section 6.0.
- c) RBW = 1 MHz (unless otherwise specified).
- d) VBW  $\geq 3 \times$  RBW.
- e) Detector = RMS, if  $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$ . Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
  - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
  - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
  - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is  $10 \log(1/x)$ , where  $x$  is the duty cycle.
  - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is  $20 \log(1/x)$ , where  $x$  is the duty cycle.
  - 3) If a specific emission is demonstrated to be continuous ( $\geq 98$  percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

NOTE: Reduction of the measured emission amplitude levels to account for operational duty factor is not permitted. Compliance is based on emission levels occurring during transmission - not on an average across on and off times of the transmitter.

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band

emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

See KDB 662911 for guidance on calculating the additional array gain term when determining the effective antenna gain for a EUT with multiple outputs occupying the same or overlapping frequency ranges in the same band.

#### Radiated spurious emission test

An additional consideration when performing conducted measurements of restricted band emissions is that unwanted emissions radiating from the EUT cabinet, control circuits, power leads, or intermediate circuit elements will likely go undetected in a conducted measurement configuration. To address this concern, a radiated test shall be performed to ensure that emissions emanating from the EUT cabinet (rather than the antenna port) also comply with the applicable limits.

For these cabinet radiated spurious emission measurements the EUT transmit antenna may be replaced with a termination matching the nominal impedance of the antenna. Procedures for performing radiated measurements are specified in ANSI C63.10. All detected emissions shall comply with the applicable limits.

The measurement frequency range is from 30 MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for  $f \geq 1$  GHz, 100 kHz for  $f < 1$  GHz

VBW  $\geq$  RBW

Sweep = auto

Detector function = peak

Trace = max hold

#### 5.6.4 Test Result

Please refer to ANNEX A.7 and Please refer to ANNEX A.9

## 5.7 Frequency Stability

### 5.7.1 Limit

FCC §15.407(g)

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.

### 5.7.2 Test Setup

The section 4.4.6 (Diagram 6) test setup description was used for this test. The photo of test setup please refer to ANNEX B.

### 5.7.3 Test Procedure

The EUT is installed in an environment test chamber with external power source.

Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT.

A sufficient stabilization period at each temperatures is used prior to each frequency measurement.

When temperature is stabled, measure the frequency stability.

The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage.

Change setting of chamber and external power source to complete all conditions.

### 5.7.4 Test Result

Please refer to ANNEX A.8.

## ANNEX A TEST RESULT

### A.1 RF Output Power

Note: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### Test Data

##### Conducted Power

Band I (5150 - 5250 MHz )						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	5180	9.80	9.55	250.00	Pass
11a	CH44	5220	8.26	6.70	250.00	Pass
11a	CH48	5240	9.00	7.94	250.00	Pass
11n (HT20)	CH36	5180	9.67	9.27	250.00	Pass
11n (HT20)	CH44	5220	9.30	8.51	250.00	Pass
11n (HT20)	CH48	5240	9.71	9.35	250.00	Pass
11n (HT40)	CH38	5190	8.84	7.66	250.00	Pass
11n (HT40)	CH46	5230	8.89	7.74	250.00	Pass
11ac (VHT20)	CH36	5180	9.57	9.06	250.00	Pass
11ac (VHT20)	CH44	5220	9.26	8.43	250.00	Pass
11ac (VHT20)	CH48	5240	9.55	9.02	250.00	Pass
11ac (VHT40)	CH38	5190	9.06	8.05	250.00	Pass
11ac (VHT40)	CH46	5230	9.11	8.15	250.00	Pass
11ac (VHT80)	CH42	5210	8.71	7.43	250.00	Pass

Band II (5250 - 5350 MHz )						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	5260	9.81	9.57	247.76	Pass
11a	CH60	5300	8.27	6.71	250.00	Pass
11a	CH64	5320	8.73	7.46	250.00	Pass
11n (HT20)	CH52	5260	9.13	8.18	250.00	Pass
11n (HT20)	CH60	5300	8.51	7.10	250.00	Pass
11n (HT20)	CH64	5320	9.02	7.98	250.00	Pass
11n (HT40)	CH54	5270	8.19	6.59	250.00	Pass
11n (HT40)	CH62	5310	7.92	6.19	250.00	Pass
11ac (VHT20)	CH52	5260	8.98	7.91	250.00	Pass
11ac (VHT20)	CH60	5300	8.32	6.79	250.00	Pass
11ac (VHT20)	CH64	5320	8.83	7.64	250.00	Pass
11ac (VHT40)	CH54	5270	8.38	6.89	250.00	Pass
11ac (VHT40)	CH62	5310	8.16	6.55	250.00	Pass
11ac (VHT80)	CH58	5290	8.47	7.03	250.00	Pass

Band III (5470 - 5725 MHz )						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	5500	9.90	9.77	249.27	Pass
11a	CH116	5580	9.89	9.75	250.00	Pass
11a	CH140	5700	10.50	11.22	250.00	Pass
11n (HT20)	CH100	5500	9.75	9.44	250.00	Pass
11n (HT20)	CH116	5580	9.87	9.71	250.00	Pass
11n (HT20)	CH140	5700	9.84	9.64	250.00	Pass
11n (HT40)	CH102	5510	9.20	8.32	250.00	Pass
11n (HT40)	CH118	5580	9.04	8.02	250.00	Pass
11n (HT40)	CH134	5670	9.57	9.06	250.00	Pass
11ac (VHT20)	CH100	5500	9.55	9.02	250.00	Pass
11ac (VHT20)	CH116	5580	9.69	9.31	250.00	Pass
11ac (VHT20)	CH140	5700	9.68	9.29	250.00	Pass
11ac (VHT40)	CH102	5510	9.43	8.77	250.00	Pass
11ac (VHT40)	CH118	5590	9.22	8.36	250.00	Pass
11ac (VHT40)	CH134	5670	9.33	8.57	250.00	Pass
11ac (VHT80)	CH106	5530	8.99	7.93	250.00	Pass
11ac (VHT80)	CH122	5610	9.15	8.22	250.00	Pass

Band IV (5725 - 5850 MHz )						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	5745	10.00	10.00	1.00	Pass
11a	CH157	5785	9.85	9.66	1.00	Pass
11a	CH165	5825	9.60	9.12	1.00	Pass
11n (HT20)	CH149	5745	9.67	9.27	1.00	Pass
11n (HT20)	CH157	5785	9.52	8.95	1.00	Pass
11n (HT20)	CH165	5825	9.31	8.53	1.00	Pass
11n (HT40)	CH151	5755	9.06	8.05	1.00	Pass
11n (HT40)	CH159	5795	9.95	9.89	1.00	Pass
11ac (VHT20)	CH149	5745	9.52	8.95	1.00	Pass
11ac (VHT20)	CH157	5785	9.37	8.65	1.00	Pass
11ac (VHT20)	CH165	5825	9.21	8.34	1.00	Pass
11ac (VHT40)	CH151	5755	9.20	8.32	1.00	Pass
11ac (VHT40)	CH159	5795	8.75	7.50	1.00	Pass
11ac (VHT80)	CH155	5775	8.65	7.33	1.00	Pass



## A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ1880007-604 Data Part 1.pdf".

### Test Data

Band I (5150 - 5250 MHz )				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	5180	19.96	16.44
11a	CH44	5220	19.96	16.50
11a	CH48	5240	19.92	16.50
11n (HT20)	CH36	5180	19.96	17.60
11n (HT20)	CH44	5220	20.08	17.60
11n (HT20)	CH48	5240	20.08	17.60
11n (HT40)	CH38	5190	40.80	36.01
11n (HT40)	CH46	5230	41.00	36.24
11ac (VHT20)	CH36	5180	20.00	17.60
11ac (VHT20)	CH44	5220	20.12	17.60
11ac (VHT20)	CH48	5240	20.04	17.60
11ac (VHT40)	CH38	5190	40.80	36.01
11ac (VHT40)	CH46	5230	41.20	36.24
11ac (VHT80)	CH42	5210	81.40	75.48

Band II (5250 - 5350 MHz )				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	5260	19.68	16.50
11a	CH60	5300	20.00	16.44
11a	CH64	5320	19.92	16.50
11n (HT20)	CH52	5260	20.08	17.60
11n (HT20)	CH60	5300	20.08	17.60
11n (HT20)	CH64	5320	20.16	17.60
11n (HT40)	CH54	5270	40.80	36.01
11n (HT40)	CH62	5310	41.40	36.24
11ac (VHT20)	CH52	5260	19.96	17.54
11ac (VHT20)	CH60	5300	20.12	17.60
11ac (VHT20)	CH64	5320	20.04	17.66
11ac (VHT40)	CH54	5270	40.80	36.01
11ac (VHT40)	CH62	5310	41.30	36.24
11ac (VHT80)	CH58	5290	82.20	75.48

Band III (5470 - 5725 MHz )				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	5500	19.80	16.56
11a	CH116	5580	20.00	16.73
11a	CH140	5700	19.96	16.56
11n (HT20)	CH100	5500	20.04	17.71
11n (HT20)	CH116	5580	19.96	17.77
11n (HT20)	CH140	5700	20.04	17.66
11n (HT40)	CH102	5510	40.60	36.24
11n (HT40)	CH118	5590	40.70	36.18
11n (HT40)	CH134	5670	40.80	36.12
11ac (VHT20)	CH100	5500	20.04	17.66
11ac (VHT20)	CH116	5580	20.04	17.77
11ac (VHT20)	CH140	5700	20.04	17.66
11ac (VHT40)	CH102	5510	40.70	36.24
11ac (VHT40)	CH118	5590	40.60	36.20
11ac (VHT40)	CH134	5670	40.60	36.12
11ac (VHT80)	CH106	5530	81.20	75.25

Band IV (5725 - 5850 MHz )				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	5745	20.08	16.61
11a	CH157	5785	20.08	16.56
11a	CH165	5825	20.08	16.79
11n (HT20)	CH149	5745	19.96	17.66
11n (HT20)	CH157	5785	20.04	17.66
11n (HT20)	CH165	5825	20.00	17.83
11n (HT40)	CH151	5755	40.80	36.12
11n (HT40)	CH159	5795	40.80	36.24
11ac (VHT20)	CH149	5745	19.92	17.66
11ac (VHT20)	CH157	5785	20.16	17.66
11ac (VHT20)	CH165	5825	19.96	17.83
11ac (VHT40)	CH151	5755	40.80	36.24
11ac (VHT40)	CH159	5795	41.20	36.35
11ac (VHT80)	CH155	5775	81.60	75.48

### A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ1880007-604 Data Part 2.pdf".

#### Test Data

Band IV (5725 - 5850 MHz )					
Mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (KHz)	Verdict
11a	CH149	5745	16.37	500	Pass
11a	CH157	5785	16.12	500	Pass
11a	CH165	5825	16.42	500	Pass
11n (HT20)	CH149	5745	17.67	500	Pass
11n (HT20)	CH157	5785	17.47	500	Pass
11n (HT20)	CH165	5825	17.67	500	Pass
11n (HT40)	CH151	5755	35.17	500	Pass
11n (HT40)	CH159	5795	36.12	500	Pass
11ac (VHT20)	CH149	5745	16.77	500	Pass
11ac (VHT20)	CH157	5785	17.32	500	Pass
11ac (VHT20)	CH165	5825	17.67	500	Pass
11ac (VHT40)	CH151	5755	34.52	500	Pass
11ac (VHT40)	CH159	5795	36.42	500	Pass
11ac (VHT80)	CH155	5775	76.42	500	Pass

## A.4 Power Spectral Density

Note: Test plots please refer to the document "Annex No.: BL-SZ1880007-604 Data Part 3.pdf".

### Test Data

Band I (5150 - 5250 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	5180	-1.05	11.0	Pass
11a	CH44	5220	-2.73	11.0	Pass
11a	CH48	5240	-2.32	11.0	Pass
11n (HT20)	CH36	5180	-2.04	11.0	Pass
11n (HT20)	CH44	5220	-3.11	11.0	Pass
11n (HT20)	CH48	5240	-2.37	11.0	Pass
11n (HT40)	CH38	5190	-5.77	11.0	Pass
11n (HT40)	CH46	5230	-4.80	11.0	Pass
11ac (VHT20)	CH36	5180	-1.15	11.0	Pass
11ac (VHT20)	CH44	5220	-1.58	11.0	Pass
11ac (VHT20)	CH48	5240	-1.07	11.0	Pass
11ac (VHT40)	CH38	5190	-6.68	11.0	Pass
11ac (VHT40)	CH46	5230	-4.50	11.0	Pass
11ac (VHT80)	CH42	5210	-22.51	11.0	Pass

Band II (5250 - 5350 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH52	5260	-1.82	11.0	Pass
11a	CH60	5300	-3.73	11.0	Pass
11a	CH64	5320	-2.92	11.0	Pass
11n (HT20)	CH52	5260	-1.88	11.0	Pass
11n (HT20)	CH60	5300	-1.70	11.0	Pass
11n (HT20)	CH64	5320	-2.20	11.0	Pass
11n (HT40)	CH54	5270	-4.78	11.0	Pass
11n (HT40)	CH62	5310	-5.55	11.0	Pass
11ac (VHT20)	CH52	5260	-1.33	11.0	Pass
11ac (VHT20)	CH60	5300	-2.14	11.0	Pass
11ac (VHT20)	CH64	5320	-0.65	11.0	Pass
11ac (VHT40)	CH54	5270	-5.32	11.0	Pass
11ac (VHT40)	CH62	5310	-6.52	11.0	Pass
11ac (VHT80)	CH58	5290	-21.72	11.0	Pass

Band III (5470 - 5725 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH100	5500	-0.29	11.0	Pass
11a	CH116	5580	-0.87	11.0	Pass
11a	CH140	5700	-0.91	11.0	Pass
11n (HT20)	CH100	5500	-0.37	11.0	Pass
11n (HT20)	CH116	5580	-0.79	11.0	Pass
11n (HT20)	CH140	5700	-1.64	11.0	Pass
11n (HT40)	CH102	5510	-4.43	11.0	Pass
11n (HT40)	CH118	5580	-4.67	11.0	Pass
11n (HT40)	CH134	5670	-4.30	11.0	Pass
11ac (VHT20)	CH100	5500	-0.82	11.0	Pass
11ac (VHT20)	CH116	5580	-0.90	11.0	Pass
11ac (VHT20)	CH140	5700	-0.74	11.0	Pass
11ac (VHT40)	CH102	5510	-5.80	11.0	Pass
11ac (VHT40)	CH118	5590	-5.51	11.0	Pass
11ac (VHT40)	CH134	5670	-5.29	11.0	Pass
11ac (VHT80)	CH106	5530	-17.87	11.0	Pass

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH149	5745	-2.38	30.0	Pass
11a	CH157	5785	-2.45	30.0	Pass
11a	CH165	5825	-3.39	30.0	Pass
11n (HT20)	CH149	5745	-3.26	30.0	Pass
11n (HT20)	CH157	5785	-2.74	30.0	Pass
11n (HT20)	CH165	5825	-3.52	30.0	Pass
11n (HT40)	CH151	5755	-7.17	30.0	Pass
11n (HT40)	CH159	5795	-6.61	30.0	Pass
11ac (VHT20)	CH149	5745	-2.96	30.0	Pass
11ac (VHT20)	CH157	5785	-2.56	30.0	Pass
11ac (VHT20)	CH165	5825	-2.99	30.0	Pass
11ac (VHT40)	CH151	5755	-6.57	30.0	Pass
11ac (VHT40)	CH159	5795	-7.08	30.0	Pass
11ac (VHT80)	CH155	5775	-21.52	30.0	Pass

## A.5 Conducted Emissions

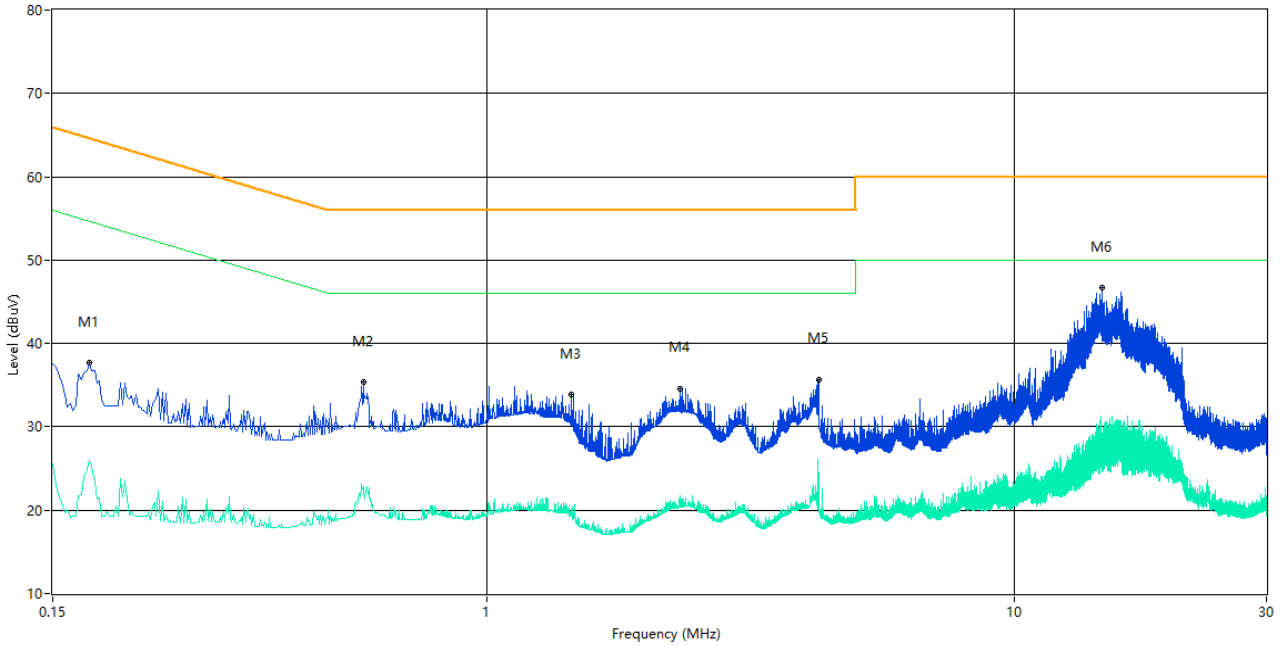
Note<sup>1</sup>: The EUT is working in the Normal link mode.

Note<sup>2</sup>: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

### Test Data and Plots

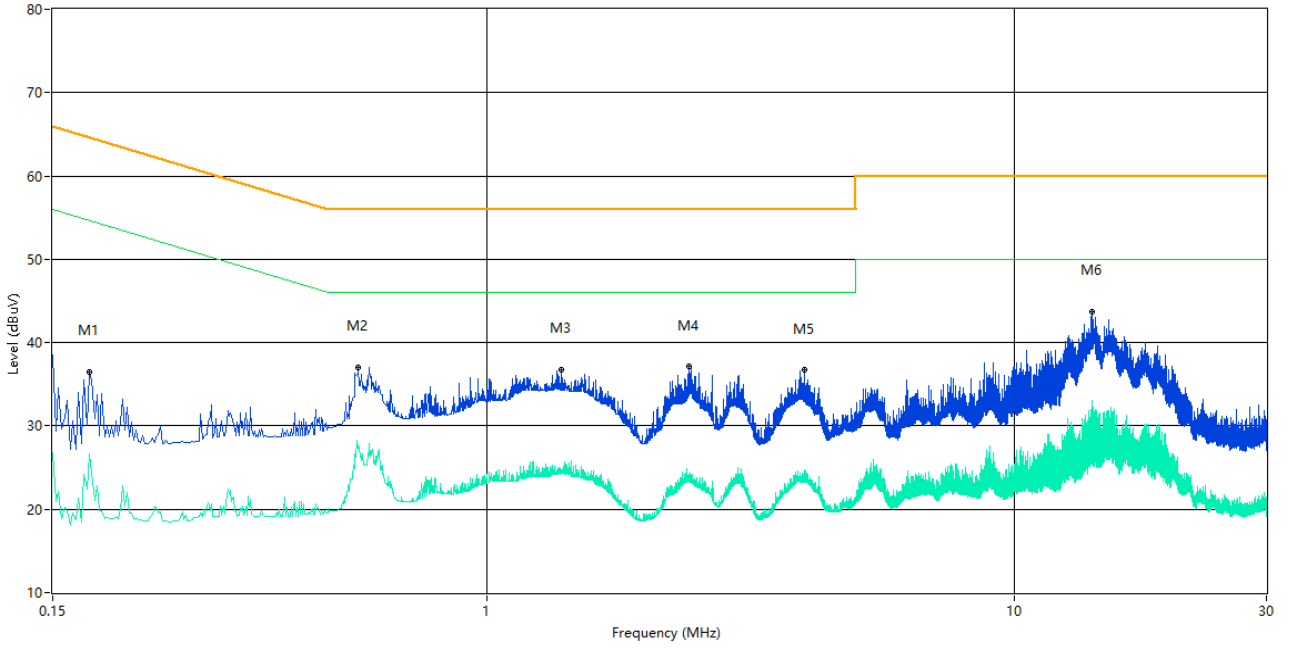
#### BOE Screen

##### PHASE L



No.	Frequency (MHz)	Results (dBuV)	Reading (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.176	37.7	27.69	10.01	64.7	27.00	Peak	L Line	Pass
1**	0.176	25.9	15.89	10.01	54.7	28.80	AV	L Line	Pass
2	0.582	35.3	25.29	10.01	56.0	20.70	Peak	L Line	Pass
2**	0.582	22.8	12.79	10.01	46.0	23.20	AV	L Line	Pass
3	1.446	33.9	23.85	10.05	56.0	22.10	Peak	L Line	Pass
3**	1.446	19.7	9.65	10.05	46.0	26.30	AV	L Line	Pass
4	2.316	34.5	24.43	10.07	56.0	21.50	Peak	L Line	Pass
4**	2.316	21.2	11.13	10.07	46.0	24.80	AV	L Line	Pass
5	4.244	35.7	25.59	10.11	56.0	20.30	Peak	L Line	Pass
5**	4.244	23.7	13.59	10.11	46.0	22.30	AV	L Line	Pass
6	14.630	46.7	36.49	10.21	60.0	13.30	Peak	L Line	Pass
6**	14.630	29.1	18.89	10.21	50.0	20.90	AV	L Line	Pass

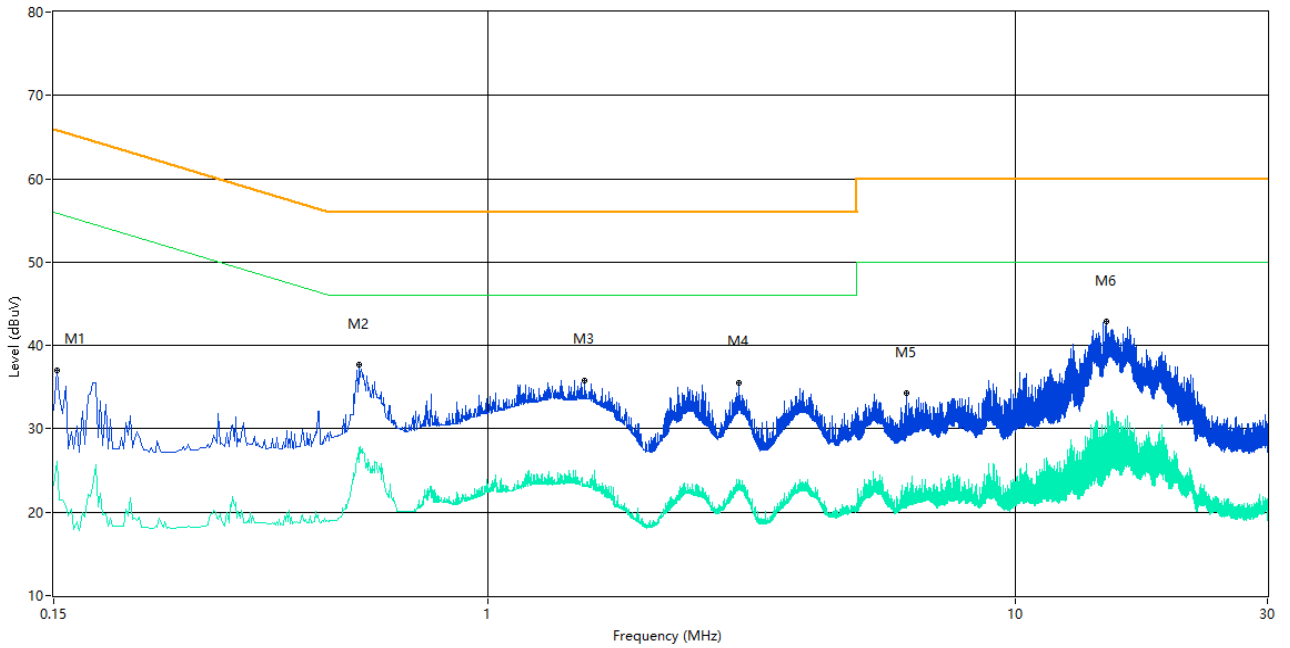
## PHASE N



No.	Frequency (MHz)	Results (dBuV)	Reading (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.176	36.5	26.49	10.01	64.7	28.20	Peak	N Line	Pass
1**	0.176	26.7	16.69	10.01	54.7	28.00	AV	N Line	Pass
2	0.570	37.0	26.99	10.01	56.0	19.00	Peak	N Line	Pass
2**	0.570	27.3	17.29	10.01	46.0	18.70	AV	N Line	Pass
3	1.380	36.8	26.75	10.05	56.0	19.20	Peak	N Line	Pass
3**	1.380	24.5	14.45	10.05	46.0	21.50	AV	N Line	Pass
4	2.410	37.2	27.13	10.07	56.0	18.80	Peak	N Line	Pass
4**	2.410	24.1	14.03	10.07	46.0	21.90	AV	N Line	Pass
5	3.988	36.7	26.60	10.10	56.0	19.30	Peak	N Line	Pass
5**	3.988	24.7	14.60	10.10	46.0	21.30	AV	N Line	Pass
6	14.032	43.7	33.50	10.20	60.0	16.30	Peak	N Line	Pass
6**	14.032	25.4	15.20	10.20	50.0	24.60	AV	N Line	Pass

Innolux Screen

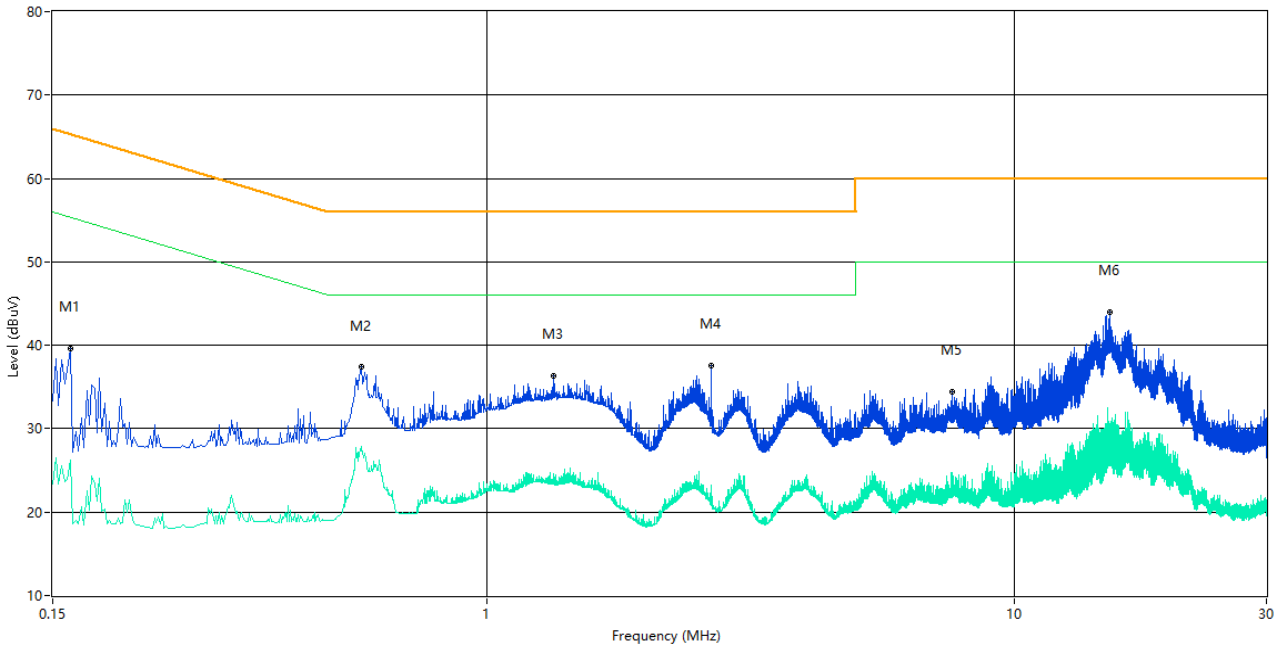
PHASE L



No.	Frequency (MHz)	Results (dBuV)	Reading (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.152	37.0	26.99	10.01	65.9	28.90	Peak	L Line	Pass
1**	0.152	26.1	16.09	10.01	55.9	29.80	AV	L Line	Pass
2	0.568	37.6	27.59	10.01	56.0	18.40	Peak	L Line	Pass
2**	0.568	27.7	17.69	10.01	46.0	18.30	AV	L Line	Pass
3	1.524	35.7	25.66	10.04	56.0	20.30	Peak	L Line	Pass
3**	1.524	23.4	13.36	10.04	46.0	22.60	AV	L Line	Pass
4	2.988	35.5	25.41	10.09	56.0	20.50	Peak	L Line	Pass
4**	2.988	23.3	13.21	10.09	46.0	22.70	AV	L Line	Pass
5	6.216	34.3	24.16	10.14	60.0	25.70	Peak	L Line	Pass
5**	6.216	23.0	12.86	10.14	50.0	27.00	AV	L Line	Pass
6	14.842	42.9	32.69	10.21	60.0	17.10	Peak	L Line	Pass
6**	14.842	28.0	17.79	10.21	50.0	22.00	AV	L Line	Pass



## PHASE N



No.	Frequency (MHz)	Results (dBuV)	Reading (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.162	39.6	29.59	10.01	65.4	25.80	Peak	N Line	Pass
1**	0.162	26.3	16.29	10.01	55.4	29.10	AV	N Line	Pass
2	0.578	37.4	27.39	10.01	56.0	18.60	Peak	N Line	Pass
2**	0.578	27.3	17.29	10.01	46.0	18.70	AV	N Line	Pass
3	1.332	36.4	26.36	10.04	56.0	19.60	Peak	N Line	Pass
3**	1.332	24.6	14.56	10.04	46.0	21.40	AV	N Line	Pass
4	2.658	37.6	27.52	10.08	56.0	18.40	Peak	N Line	Pass
4**	2.658	22.5	12.42	10.08	46.0	23.50	AV	N Line	Pass
5	7.608	34.4	24.26	10.14	60.0	25.60	Peak	N Line	Pass
5**	7.608	23.8	13.66	10.14	50.0	26.20	AV	N Line	Pass
6	15.180	43.9	33.69	10.21	60.0	16.10	Peak	N Line	Pass
6**	15.180	28.4	18.19	10.21	50.0	21.60	AV	N Line	Pass

## A.6 Conducted Spurious Emission and Band Edge (Authorized-band)

Note: Test plots please refer to the document "Annex No.: BL-SZ1880007-604 Data Part 4.pdf".

Test Band	Mode	Channel	Verdict	
Band I	802.11a	Low	Pass	
		Middle	Pass	
		High	Pass	
	802.11n(HT20)	Low	Pass	
		Middle	Pass	
		High	Pass	
	802.11n(HT40)	Low	Pass	
		High	Pass	
	802.11ac(VHT20)	Low	Pass	
		Middle	Pass	
		High	Pass	
	802.11ac(VHT40)	Low	Pass	
High		Pass		
802.11ac(VHT80)	Middle	Pass		
Band II	802.11a	Low	Pass	
		Middle	Pass	
		High	Pass	
	802.11n(HT20)	Low	Pass	
		Middle	Pass	
		High	Pass	
	802.11n(HT40)	Low	Pass	
		High	Pass	
	802.11ac(VHT20)	Low	Pass	
		Middle	Pass	
		High	Pass	
	802.11ac(VHT40)	Low	Pass	
		Middle	Pass	
		High	Pass	
	802.11ac(VHT80)	Middle	Pass	
	Band III	802.11a	Low	Pass
			Middle	Pass
			High	Pass
802.11n(HT20)		Low	Pass	
		Middle	Pass	
		High	Pass	
802.11n(HT40)		Low	Pass	
		Middle	Pass	
		High	Pass	
802.11ac(VHT20)		Low	Pass	
		Middle	Pass	
		High	Pass	
802.11ac(VHT40)		Low	Pass	
		Middle	Pass	

		High	Pass
	802.11ac(VHT80)	Middle	Pass
Band IV	802.11a	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		Middle	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass

## A.7 Radiated Spurious Emissions and Band Edge (Restricted-band)

### Test Data

Note<sup>1</sup>: The symbol of "--" in the table which means not application.

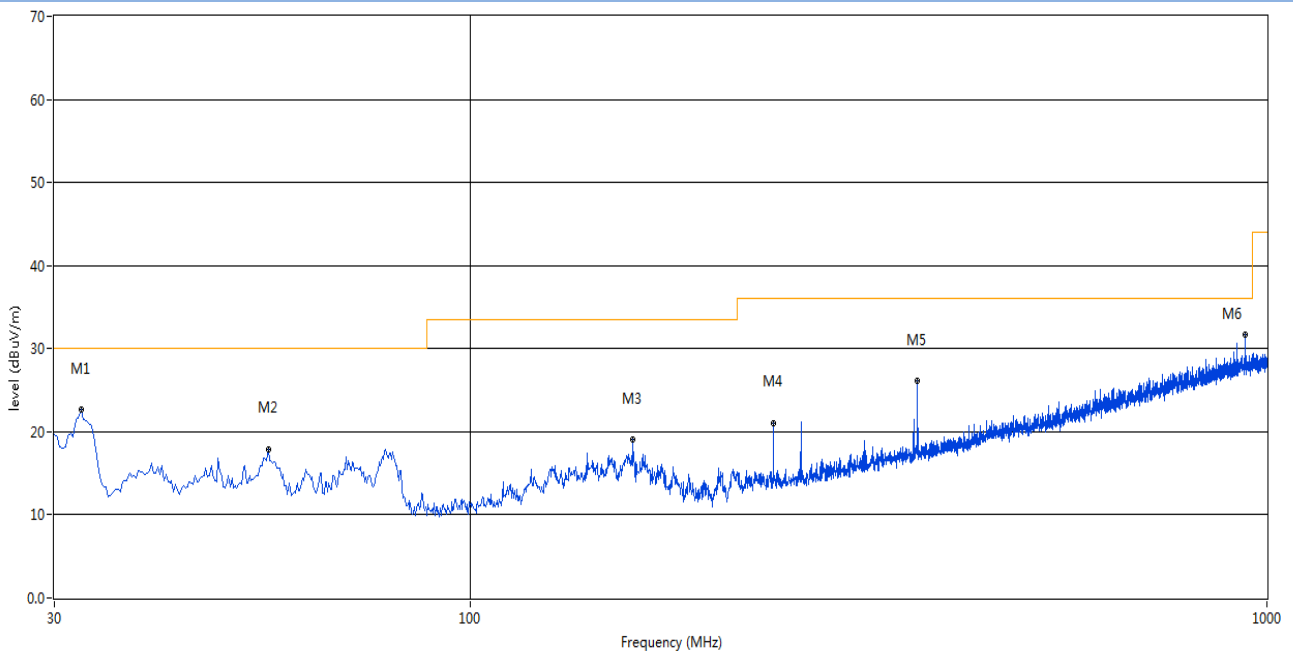
Note<sup>2</sup>: For the test data above 1 GHz, According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note<sup>3</sup>: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note<sup>4</sup>: The EUT is working in the Normal link mode below 1 GHz.

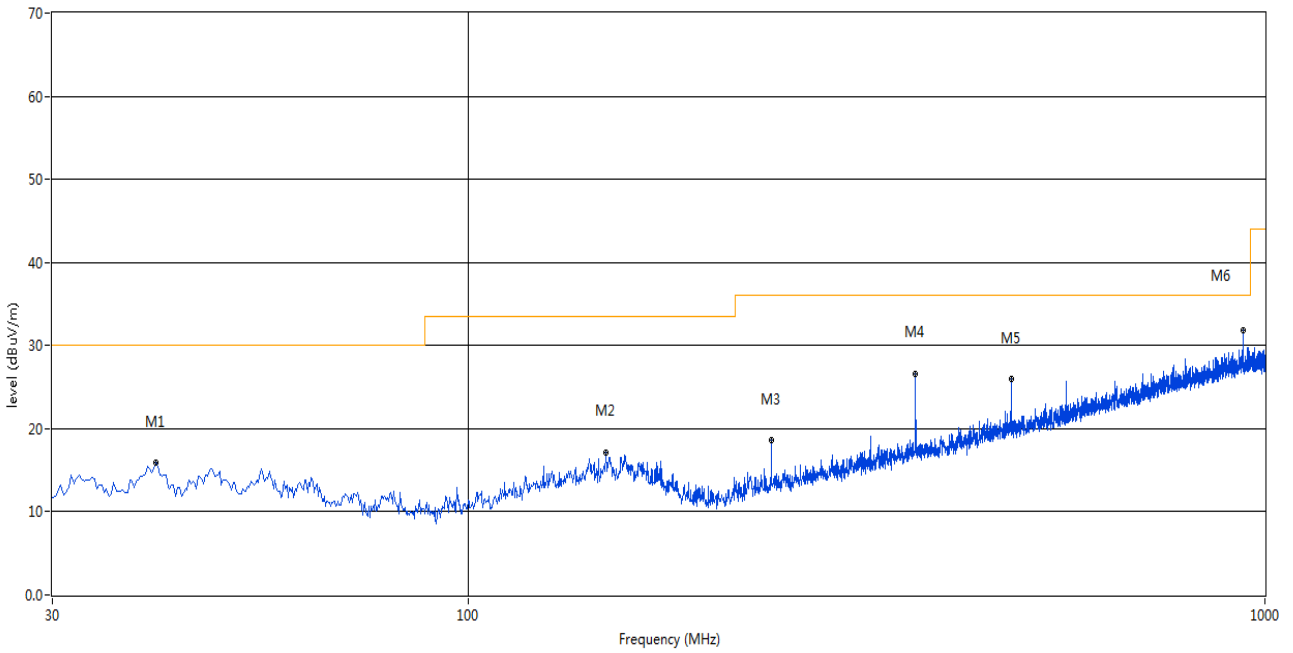
### BOE Screen

30 MHz to 1 GHz, ANT V



No	Frequency (MHz)	Results (dBuV/m)	Reading (dBuV)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	32.425	22.67	43.40	-20.73	30.0	-7.33	Peak	0.00	200	Vertical	Pass
2	55.705	17.91	38.43	-20.52	30.0	-12.09	Peak	142.00	200	Vertical	Pass
3	159.980	19.09	37.42	-18.33	33.5	-14.41	Peak	0.00	200	Vertical	Pass
4	240.005	21.08	41.30	-20.22	36.0	-14.92	Peak	0.00	200	Vertical	Pass
5	363.922	26.11	42.93	-16.82	36.0	-9.89	Peak	205.00	100	Vertical	Pass
6	938.405	31.66	38.32	-6.66	36.0	-4.34	Peak	0.00	200	Vertical	Pass

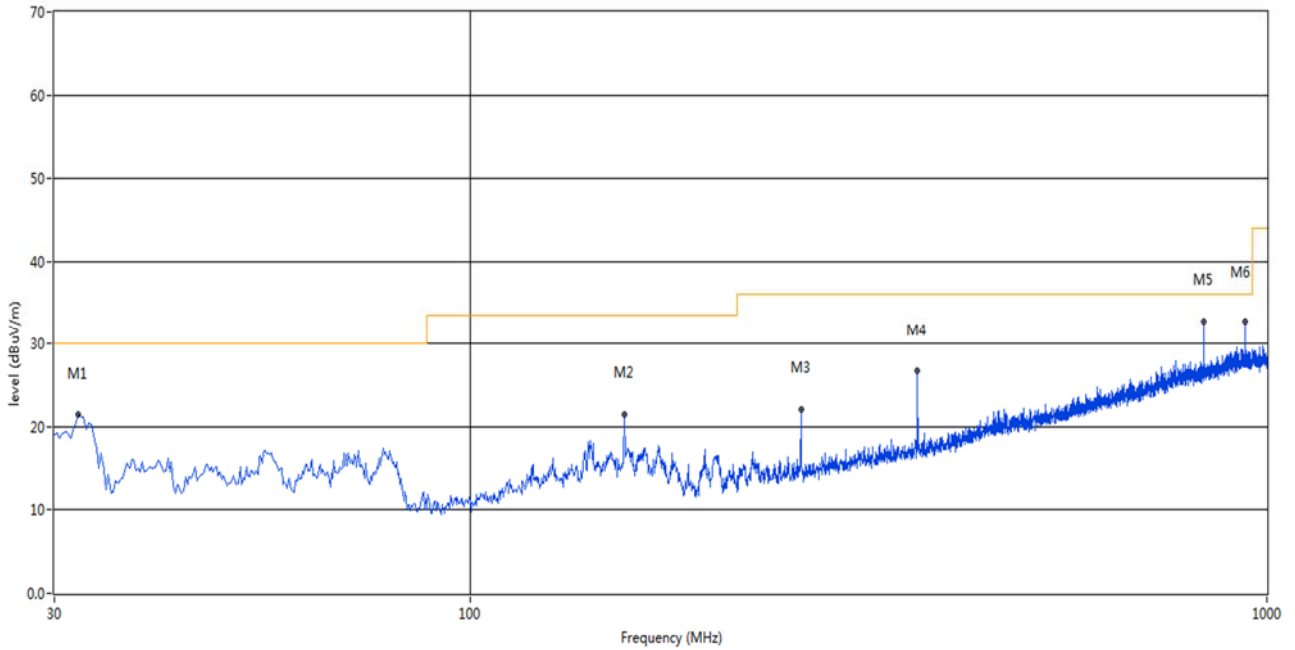
30 MHz to 1 GHz, ANT H



No	Frequency (MHz)	Results (dBuV/m)	Reading (dBuV)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	40.428	15.90	35.59	-19.69	30.0	-14.10	Peak	230.00	200	Horizontal	Pass
2	148.825	17.11	35.71	-18.60	33.5	-16.39	Peak	180.00	100	Horizontal	Pass
3	240.005	18.64	38.86	-20.22	36.0	-17.36	Peak	281.00	200	Horizontal	Pass
4	363.922	26.64	43.46	-16.82	36.0	-9.36	Peak	167.00	200	Horizontal	Pass
5	480.080	25.99	40.12	-14.13	36.0	-10.01	Peak	0.00	100	Horizontal	Pass
6	938.405	31.83	38.49	-6.66	36.0	-4.17	Peak	136.00	100	Horizontal	Pass

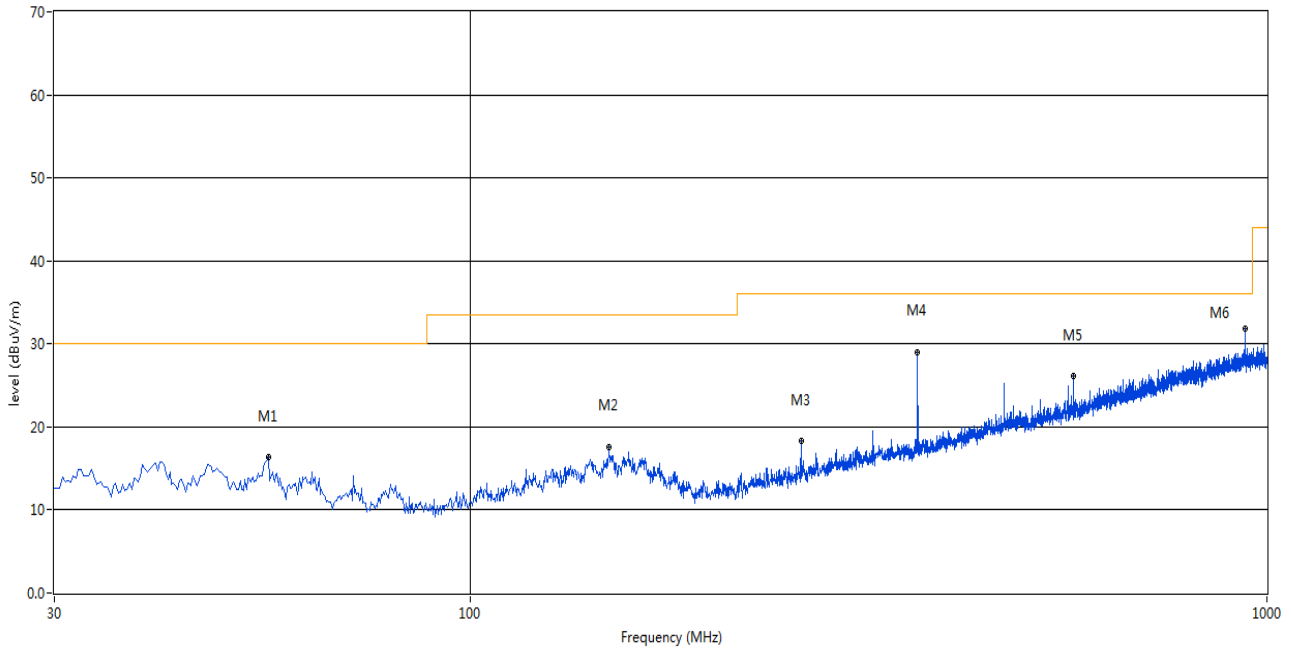
Innolux Screen

30 MHz to 1 GHz, ANT V



No	Frequency (MHz)	Results (dBuV/m)	Reading (dBuV)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	32.182	21.43	42.17	-20.74	30.0	-8.57	Peak	199.00	100	Vertical	Pass
2	155.858	21.44	39.76	-18.32	33.5	-12.06	Peak	256.00	100	Vertical	Pass
3	259.890	22.03	41.91	-19.88	36.0	-13.97	Peak	193.00	100	Vertical	Pass
4	363.922	26.72	43.54	-16.82	36.0	-9.28	Peak	313.00	100	Vertical	Pass
5	833.887	32.82	41.03	-8.21	36.0	-3.18	Peak	360.00	200	Vertical	Pass
6	938.405	32.77	39.43	-6.66	36.0	-3.23	Peak	360.00	200	Vertical	Pass

## 30 MHz to 1 GHz, ANT H



No	Frequency (MHz)	Results (dBuV/m)	Reading (dBuV)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	55.705	16.37	36.89	-20.52	30.0	-13.63	Peak	360.00	200	Horizontal	Pass
2	149.310	17.61	36.10	-18.49	33.5	-15.89	Peak	148.00	100	Horizontal	Pass
3	259.890	18.36	38.24	-19.88	36.0	-17.64	Peak	262.00	200	Horizontal	Pass
4	363.922	29.04	45.86	-16.82	36.0	-6.96	Peak	193.00	200	Horizontal	Pass
5	571.987	26.14	38.67	-12.53	36.0	-9.86	Peak	306.00	100	Horizontal	Pass
6	938.405	31.84	38.50	-6.66	36.0	-4.16	Peak	331.00	100	Horizontal	Pass

Note: The spurious from 18G-40G is noise only, do not show on the report.

1 GHz to 40 GHz, ANT V Band I 11a Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	36.12	-18.22	54.0	-17.88	AV	243.00	150	Vertical	Pass
1	1379.500	37.46	-18.22	74.0	-36.54	Peak	243.00	150	Vertical	Pass
2**	1909.000	35.55	-17.61	--	35.55	AV	44.00	150	Vertical	N/A
2	1909.000	37.64	-17.61	68.2	-30.56	Peak	44.00	150	Vertical	Pass
3**	4207.000	40.22	-6.11	54.0	-13.78	AV	360.00	150	Vertical	Pass
3	4207.000	45.72	-6.11	74.0	-28.28	Peak	360.00	150	Vertical	Pass
4**	5183.000	85.22	-4.50	--	85.22	AV	171.00	150	Vertical	N/A
4	5183.000	90.67	-4.50	--	-80.33	Peak	171.00	150	Vertical	Pass
5**	6673.000	46.64	-0.29	--	46.64	AV	331.00	150	Vertical	N/A
5	6673.000	50.93	-0.29	68.2	-17.27	Peak	331.00	150	Vertical	Pass
6**	15532.500	49.47	-1.34	54.0	-4.53	AV	132.00	150	Vertical	Pass
6	15532.500	53.98	-1.34	74.0	-20.02	Peak	132.00	150	Vertical	Pass

1 GHz to 40 GHz, ANT H Band I 11a Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	37.23	-18.22	54.0	-16.77	AV	42.00	150	Horizontal	Pass
1	1379.500	38.60	-18.22	74.0	-35.40	Peak	42.00	150	Horizontal	Pass
2**	2321.000	38.62	-14.16	54.0	-15.38	AV	345.00	150	Horizontal	Pass
2	2321.000	40.65	-14.16	74.0	-33.35	Peak	345.00	150	Horizontal	Pass
3**	4069.000	39.48	-6.84	54.0	-14.52	AV	45.00	150	Horizontal	Pass
3	4069.000	45.43	-6.84	74.0	-28.57	Peak	45.00	150	Horizontal	Pass
4**	5181.000	96.31	-4.37	--	96.31	AV	26.00	150	Horizontal	N/A
4	5181.000	150.75	-4.37	--	74.75	Peak	26.00	150	Horizontal	N/A
5**	6672.000	46.39	-0.24	--	46.39	AV	146.00	150	Horizontal	N/A
5	6672.000	51.17	-0.24	68.2	-17.03	Peak	146.00	150	Horizontal	Pass
6**	15535.126	46.31	-1.42	54.0	-7.69	AV	16.00	150	Horizontal	Pass
6	15535.126	51.70	-1.42	74.0	-22.30	Peak	16.00	150	Horizontal	Pass



## 1 GHz to 40 GHz, ANT V Band I 11a Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1489.000	33.80	-18.57	54.0	-20.20	AV	327.00	150	Vertical	Pass
1	1489.000	36.52	-18.57	74.0	-37.48	Peak	327.00	150	Vertical	Pass
2**	2785.000	40.04	-11.83	54.0	-13.96	AV	51.00	150	Vertical	Pass
2	2785.000	41.87	-11.83	74.0	-32.13	Peak	51.00	150	Vertical	Pass
3**	3132.000	36.98	-10.37	--	36.98	AV	360.00	150	Vertical	N/A
3	3132.000	43.49	-10.37	68.2	-24.71	Peak	360.00	150	Vertical	Pass
4**	5221.000	88.57	-4.67	--	88.57	AV	168.00	150	Vertical	N/A
4	5221.000	91.50	-4.67	--	-76.50	Peak	168.00	150	Vertical	Pass
5**	6666.000	45.44	-0.38	--	45.44	AV	308.00	150	Vertical	N/A
5	6666.000	50.70	-0.38	68.2	-17.50	Peak	308.00	150	Vertical	Pass
6**	15658.500	45.94	-2.11	54.0	-8.06	AV	131.00	150	Vertical	Pass
6	15658.500	51.98	-2.11	74.0	-22.02	Peak	131.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11a Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	35.49	-18.22	54.0	-18.51	AV	42.00	150	Horizontal	Pass
1	1379.500	37.14	-18.22	74.0	-36.86	Peak	42.00	150	Horizontal	Pass
2**	2992.000	39.04	-11.73	--	39.04	AV	344.00	150	Horizontal	N/A
2	2992.000	41.95	-11.73	68.2	-26.25	Peak	344.00	150	Horizontal	Pass
3**	3900.000	38.93	-6.93	54.0	-15.07	AV	195.00	150	Horizontal	Pass
3	3900.000	44.69	-6.93	74.0	-29.31	Peak	195.00	150	Horizontal	Pass
4**	5218.000	96.35	-4.95	--	96.35	AV	360.00	150	Horizontal	N/A
4	5218.000	101.00	-4.95	--	-259.00	Peak	360.00	150	Horizontal	Pass
5**	11367.125	42.93	-2.28	54.0	-11.07	AV	263.00	150	Horizontal	Pass
5	11367.125	48.76	-2.28	74.0	-25.24	Peak	263.00	150	Horizontal	Pass
6**	15659.813	45.92	-2.09	54.0	-8.08	AV	7.00	150	Horizontal	Pass
6	15659.813	53.57	-2.09	74.0	-20.43	Peak	7.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band I 11a High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	34.43	-18.22	54.0	-19.57	AV	228.00	150	Vertical	Pass
1	1379.500	37.08	-18.22	74.0	-36.92	Peak	228.00	150	Vertical	Pass
2**	1891.500	35.75	-17.37	--	35.75	AV	185.00	150	Vertical	N/A
2	1891.500	38.13	-17.37	68.2	-30.07	Peak	185.00	150	Vertical	Pass
3**	4593.000	41.54	-5.63	54.0	-12.46	AV	207.00	150	Vertical	Pass
3	4593.000	47.07	-5.63	74.0	-26.93	Peak	207.00	150	Vertical	Pass
4**	5243.000	87.17	-4.73	--	87.17	AV	117.00	150	Vertical	N/A
4	5243.000	92.35	-4.73	--	-24.65	Peak	117.00	150	Vertical	Pass
5**	6673.000	47.80	-0.29	--	47.80	AV	267.00	150	Vertical	N/A
5	6673.000	51.07	-0.29	68.2	-17.13	Peak	267.00	150	Vertical	Pass
6**	15726.750	49.13	-2.23	54.0	-4.87	AV	183.00	150	Vertical	Pass
6	15726.750	53.76	-2.23	74.0	-20.24	Peak	183.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11a High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	36.68	-18.22	54.0	-17.32	AV	48.00	150	Horizontal	Pass
1	1379.500	38.07	-18.22	74.0	-35.93	Peak	48.00	150	Horizontal	Pass
2**	2086.000	36.22	-15.60	--	36.22	AV	348.00	150	Horizontal	N/A
2	2086.000	39.11	-15.60	68.2	-29.09	Peak	348.00	150	Horizontal	Pass
3**	3791.000	38.31	-7.19	54.0	-15.69	AV	140.00	150	Horizontal	Pass
3	3791.000	44.69	-7.19	74.0	-29.31	Peak	140.00	150	Horizontal	Pass
4**	5241.000	97.00	-4.85	--	97.00	AV	360.00	150	Horizontal	N/A
4	5241.000	150.57	-4.85	--	-259.43	Peak	360.00	150	Horizontal	Pass
5**	6994.000	45.65	-0.73	--	45.65	AV	293.00	150	Horizontal	N/A
5	6994.000	50.96	-0.73	68.2	-17.24	Peak	293.00	150	Horizontal	Pass
6**	15725.438	47.14	-2.26	54.0	-6.86	AV	9.00	150	Horizontal	Pass
6	15725.438	55.28	-2.26	74.0	-18.72	Peak	9.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11a Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	33.28	-18.37	54.0	-20.72	AV	69.00	150	Vertical	Pass
1	1380.000	36.85	-18.37	74.0	-37.15	Peak	69.00	150	Vertical	Pass
2**	2774.000	38.42	-12.21	54.0	-15.58	AV	199.00	150	Vertical	Pass
2	2774.000	41.17	-12.21	74.0	-32.83	Peak	199.00	150	Vertical	Pass
3**	4780.000	41.87	-5.12	54.0	-12.13	AV	47.00	150	Vertical	Pass
3	4780.000	46.83	-5.12	74.0	-27.17	Peak	47.00	150	Vertical	Pass
4**	5262.000	91.40	-4.95	--	91.40	AV	173.00	150	Vertical	N/A
4	5262.000	93.79	-4.95	--	-79.21	Peak	173.00	150	Vertical	Pass
5**	6676.000	45.89	-0.45	--	45.89	AV	125.00	150	Vertical	N/A
5	6676.000	51.45	-0.45	68.2	-16.75	Peak	125.00	150	Vertical	Pass
6**	15783.187	51.15	-1.39	54.0	-2.85	AV	216.00	150	Vertical	Pass
6	15783.187	56.08	-1.39	74.0	-17.92	Peak	216.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11a Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	35.92	-18.22	54.0	-18.08	AV	40.00	150	Horizontal	Pass
1	1379.500	37.65	-18.22	74.0	-36.35	Peak	40.00	150	Horizontal	Pass
2**	2787.500	38.13	-11.94	54.0	-15.87	AV	99.00	150	Horizontal	Pass
2	2787.500	41.61	-11.94	74.0	-32.39	Peak	99.00	150	Horizontal	Pass
3**	4303.000	39.66	-5.50	54.0	-14.34	AV	0.00	150	Horizontal	Pass
3	4303.000	45.40	-5.50	74.0	-28.60	Peak	0.00	150	Horizontal	Pass
4**	5264.000	96.57	-4.86	--	96.57	AV	0.00	150	Horizontal	N/A
4	5264.000	101.50	-4.86	--	101.50	Peak	0.00	150	Horizontal	N/A
5**	6668.000	45.27	-0.31	--	45.27	AV	219.00	150	Horizontal	N/A
5	6668.000	51.66	-0.31	68.2	-16.54	Peak	219.00	150	Horizontal	Pass
6**	15785.813	49.21	-1.32	54.0	-4.79	AV	360.00	150	Horizontal	Pass
6	15785.813	56.23	-1.32	74.0	-17.77	Peak	360.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11a Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	36.49	-18.37	54.0	-17.51	AV	45.00	150	Vertical	Pass
1	1380.000	38.03	-18.37	74.0	-35.97	Peak	45.00	150	Vertical	Pass
2**	2752.500	36.99	-12.32	54.0	-17.01	AV	168.00	150	Vertical	Pass
2	2752.500	41.43	-12.32	74.0	-32.57	Peak	168.00	150	Vertical	Pass
3**	4835.000	41.56	-4.59	54.0	-12.44	AV	47.00	150	Vertical	Pass
3	4835.000	47.64	-4.59	74.0	-26.36	Peak	47.00	150	Vertical	Pass
4**	5301.000	97.86	-5.02	--	97.86	AV	360.00	150	Vertical	N/A
4	5301.000	101.70	-5.02	--	-258.30	Peak	360.00	150	Vertical	Pass
5**	6672.000	45.73	-0.24	--	45.73	AV	0.00	150	Vertical	N/A
5	6672.000	51.42	-0.24	68.2	-16.78	Peak	0.00	150	Vertical	Pass
6**	15902.625	50.81	-2.82	54.0	-3.19	AV	4.00	150	Vertical	Pass
6	15902.625	56.40	-2.82	74.0	-17.60	Peak	4.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11a Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	36.70	-18.22	54.0	-17.30	AV	43.00	150	Horizontal	Pass
1	1379.500	37.97	-18.22	74.0	-36.03	Peak	43.00	150	Horizontal	Pass
2**	2376.500	38.53	-13.73	54.0	-15.47	AV	193.00	150	Horizontal	Pass
2	2376.500	40.77	-13.73	74.0	-33.23	Peak	193.00	150	Horizontal	Pass
3**	4084.000	40.61	-6.73	54.0	-13.39	AV	265.00	150	Horizontal	Pass
3	4084.000	44.80	-6.73	74.0	-29.20	Peak	265.00	150	Horizontal	Pass
4**	5296.000	96.34	-4.88	--	96.34	AV	360.00	150	Horizontal	N/A
4	5296.000	101.51	-4.88	--	-258.49	Peak	360.00	150	Horizontal	Pass
5**	6662.000	46.41	-0.43	--	46.41	AV	118.00	150	Horizontal	N/A
5	6662.000	51.28	-0.43	68.2	-16.92	Peak	118.00	150	Horizontal	Pass
6**	15898.687	50.86	-2.83	54.0	-3.14	AV	11.00	150	Horizontal	Pass
6	15898.687	57.51	-2.83	74.0	-16.49	Peak	11.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11a High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	36.60	-18.22	54.0	-17.40	AV	45.00	150	Vertical	Pass
1	1379.500	38.32	-18.22	74.0	-35.68	Peak	45.00	150	Vertical	Pass
2**	1903.500	36.66	-17.36	--	36.66	AV	341.00	150	Vertical	N/A
2	1903.500	38.83	-17.36	68.2	-29.37	Peak	341.00	150	Vertical	Pass
3**	4606.000	43.20	-4.98	54.0	-10.80	AV	18.00	150	Vertical	Pass
3	4606.000	47.24	-4.98	74.0	-26.76	Peak	18.00	150	Vertical	Pass
4**	5321.000	98.70	-5.21	--	98.70	AV	295.00	150	Vertical	N/A
4	5321.000	101.61	-5.21	--	-193.39	Peak	295.00	150	Vertical	Pass
5**	6684.000	45.58	-1.46	--	45.58	AV	52.00	150	Vertical	N/A
5	6684.000	50.64	-1.46	68.2	-17.56	Peak	52.00	150	Vertical	Pass
6**	15963.000	51.65	-2.99	54.0	-2.35	AV	0.00	150	Vertical	Pass
6	15963.000	57.36	-2.99	74.0	-16.64	Peak	0.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11a High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	37.43	-18.22	54.0	-16.57	AV	37.00	150	Horizontal	Pass
1	1379.500	38.87	-18.22	74.0	-35.13	Peak	37.00	150	Horizontal	Pass
2**	2985.000	38.73	-11.62	--	38.73	AV	202.00	150	Horizontal	N/A
2	2985.000	42.11	-11.62	68.2	-26.09	Peak	202.00	150	Horizontal	Pass
3**	4018.000	38.60	-6.98	54.0	-15.40	AV	7.00	150	Horizontal	Pass
3	4018.000	45.51	-6.98	74.0	-28.49	Peak	7.00	150	Horizontal	Pass
4**	5314.000	96.72	-5.23	--	96.72	AV	342.00	150	Horizontal	N/A
4	5314.000	101.47	-5.23	--	-240.53	Peak	342.00	150	Horizontal	Pass
5**	6680.000	46.07	-0.62	--	46.07	AV	26.00	150	Horizontal	N/A
5	6680.000	50.53	-0.62	68.2	-17.67	Peak	26.00	150	Horizontal	Pass
6**	15960.375	48.82	-3.03	54.0	-5.18	AV	12.00	150	Horizontal	Pass
6	15960.375	56.98	-3.03	74.0	-17.02	Peak	12.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11a Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1395.500	25.46	-15.06	54.0	-28.54	AV	1.00	150	Vertical	Pass
1	1395.500	37.62	-15.06	74.0	-36.38	Peak	1.00	150	Vertical	Pass
2**	3220.000	32.94	-6.66	--	32.94	AV	195.00	150	Vertical	N/A
2	3220.000	43.59	-6.66	68.2	-24.61	Peak	195.00	150	Vertical	Pass
3**	5499.000	77.75	-0.29	--	77.75	AV	101.00	150	Vertical	N/A
3	5499.000	84.66	-0.29	--	-16.34	Peak	101.00	150	Vertical	Pass
4**	7690.000	34.37	17.22	54.0	-19.63	AV	249.00	150	Vertical	Pass
4	7690.000	50.16	17.22	74.0	-23.84	Peak	249.00	150	Vertical	Pass
5**	12481.188	39.91	20.94	54.0	-14.09	AV	255.00	150	Vertical	Pass
5	12481.188	55.83	20.94	74.0	-18.17	Peak	255.00	150	Vertical	Pass
6**	17595.750	44.01	29.62	--	44.01	AV	149.00	150	Vertical	N/A
6	17595.750	58.62	29.62	68.2	-9.58	Peak	149.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11a Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	30.47	-15.12	54.0	-23.53	AV	69.00	150	Horizontal	Pass
1	1380.000	38.67	-15.12	74.0	-35.33	Peak	69.00	150	Horizontal	Pass
2**	3221.000	38.55	-6.53	--	38.55	AV	36.00	150	Horizontal	N/A
2	3221.000	44.88	-6.53	68.2	-23.32	Peak	36.00	150	Horizontal	Pass
3**	5499.000	73.80	-0.29	--	73.80	AV	164.00	150	Horizontal	N/A
3	5499.000	80.58	-0.29	--	-83.42	Peak	164.00	150	Horizontal	Pass
4**	8069.500	35.07	18.30	54.0	-18.93	AV	0.00	150	Horizontal	Pass
4	8069.500	51.67	18.30	74.0	-22.33	Peak	0.00	150	Horizontal	Pass
5**	12626.375	40.53	22.18	54.0	-13.47	AV	147.00	150	Horizontal	Pass
5	12626.375	56.82	22.18	74.0	-17.18	Peak	147.00	150	Horizontal	Pass
6**	17283.375	43.32	27.97	--	43.32	AV	140.00	150	Horizontal	N/A
6	17283.375	59.02	27.97	68.2	-9.18	Peak	140.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11a Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2032.000	27.61	-13.01	--	27.61	AV	87.00	150	Vertical	N/A
1	2032.000	38.79	-13.01	68.2	-29.41	Peak	87.00	150	Vertical	Pass
2**	3650.000	34.94	-4.75	54.0	-19.06	AV	353.00	150	Vertical	Pass
2	3650.000	45.36	-4.75	74.0	-28.64	Peak	353.00	150	Vertical	Pass
3**	5579.000	78.60	-0.04	--	78.60	AV	150.00	150	Vertical	N/A
3	5579.000	86.49	-0.04	--	-13.51	Peak	150.00	150	Vertical	Pass
4**	7102.063	34.34	16.78	--	34.34	AV	96.00	150	Vertical	N/A
4	7102.063	51.19	16.78	68.2	-17.01	Peak	96.00	150	Vertical	Pass
5**	12534.375	39.59	21.52	54.0	-14.41	AV	0.00	150	Vertical	Pass
5	12534.375	55.47	21.52	74.0	-18.53	Peak	0.00	150	Vertical	Pass
6**	16184.813	41.17	27.55	54.0	-12.83	AV	360.00	150	Vertical	Pass
6	16184.813	57.01	27.55	74.0	-16.99	Peak	360.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11a Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	29.51	-15.12	54.0	-24.49	AV	73.00	150	Horizontal	Pass
1	1380.000	37.59	-15.12	74.0	-36.41	Peak	73.00	150	Horizontal	Pass
2**	3178.000	32.09	-6.39	--	32.09	AV	131.00	150	Horizontal	N/A
2	3178.000	43.96	-6.39	68.2	-24.24	Peak	131.00	150	Horizontal	Pass
3**	5579.000	72.80	-0.04	--	72.80	AV	12.00	150	Horizontal	N/A
3	5579.000	79.90	-0.04	--	67.90	Peak	12.00	150	Horizontal	N/A
4**	9137.563	35.23	18.66	54.0	-18.77	AV	336.00	150	Horizontal	Pass
4	9137.563	51.63	18.66	74.0	-22.37	Peak	336.00	150	Horizontal	Pass
5**	11924.875	37.71	20.22	54.0	-16.29	AV	162.00	150	Horizontal	Pass
5	11924.875	54.55	20.22	74.0	-19.45	Peak	162.00	150	Horizontal	Pass
6**	16090.313	40.48	27.43	54.0	-13.52	AV	149.00	150	Horizontal	Pass
6	16090.313	57.23	27.43	74.0	-16.77	Peak	149.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11a High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1939.500	27.37	-13.38	--	27.37	AV	114.00	150	Vertical	N/A
1	1939.500	39.31	-13.38	68.2	-28.89	Peak	114.00	150	Vertical	Pass
2**	4758.000	37.02	-2.38	54.0	-16.98	AV	179.00	150	Vertical	Pass
2	4758.000	48.30	-2.38	74.0	-25.70	Peak	179.00	150	Vertical	Pass
3**	5701.000	79.88	-0.59	--	79.88	AV	249.00	150	Vertical	N/A
3	5701.000	87.35	-0.59	--	-161.65	Peak	249.00	150	Vertical	Pass
4**	9899.437	36.04	18.59	--	36.04	AV	112.00	150	Vertical	N/A
4	9899.437	52.21	18.59	68.2	-15.99	Peak	112.00	150	Vertical	Pass
5**	12578.938	39.49	21.59	54.0	-14.51	AV	145.00	150	Vertical	Pass
5	12578.938	55.29	21.59	74.0	-18.71	Peak	145.00	150	Vertical	Pass
6**	17486.813	44.08	29.33	--	44.08	AV	332.00	150	Vertical	N/A
6	17486.813	60.26	29.33	68.2	-7.94	Peak	332.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11a High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.500	33.06	-15.09	54.0	-20.94	AV	70.00	150	Horizontal	Pass
1	1380.500	37.96	-15.09	74.0	-36.04	Peak	70.00	150	Horizontal	Pass
2**	3220.000	33.18	-6.66	--	33.18	AV	34.00	150	Horizontal	N/A
2	3220.000	44.16	-6.66	68.2	-24.04	Peak	34.00	150	Horizontal	Pass
3**	5702.000	75.54	-0.61	--	75.54	AV	2.00	150	Horizontal	N/A
3	5702.000	81.92	-0.61	--	79.92	Peak	2.00	150	Horizontal	N/A
4**	9021.125	33.72	17.71	54.0	-20.28	AV	153.00	150	Horizontal	Pass
4	9021.125	51.39	17.71	74.0	-22.61	Peak	153.00	150	Horizontal	Pass
5**	12626.375	39.81	22.18	54.0	-14.19	AV	349.00	150	Horizontal	Pass
5	12626.375	54.76	22.18	74.0	-19.24	Peak	349.00	150	Horizontal	Pass
6**	17523.562	43.93	29.82	--	43.93	AV	64.00	150	Horizontal	N/A
6	17523.562	59.26	29.82	68.2	-8.94	Peak	64.00	150	Horizontal	Pass



## 1 GHz to 40 GHz, ANT V Band IV 11a Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	27.60	-15.12	54.0	-26.40	AV	217.00	150	Vertical	Pass
1	1380.000	37.19	-15.12	74.0	-36.81	Peak	217.00	150	Vertical	Pass
2**	3087.000	33.86	-6.60	--	33.86	AV	0.00	150	Vertical	N/A
2	3087.000	43.25	-6.60	68.2	-24.95	Peak	0.00	150	Vertical	Pass
3**	5744.000	80.45	-0.16	--	80.45	AV	113.00	150	Vertical	N/A
3	5744.000	87.07	-0.16	--	-25.93	Peak	113.00	150	Vertical	Pass
4**	10460.063	35.16	17.99	--	35.16	AV	64.00	150	Vertical	N/A
4	10460.063	52.26	17.99	68.2	-15.94	Peak	64.00	150	Vertical	Pass
5**	14848.687	40.92	26.96	--	40.92	AV	360.00	150	Vertical	N/A
5	14848.687	57.50	26.96	68.2	-10.70	Peak	360.00	150	Vertical	Pass
6**	17405.438	44.15	28.85	--	44.15	AV	349.00	150	Vertical	N/A
6	17405.438	59.89	28.85	68.2	-8.31	Peak	349.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11a Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	31.42	-15.12	54.0	-22.58	AV	79.00	150	Horizontal	Pass
1	1380.000	39.10	-15.12	74.0	-34.90	Peak	79.00	150	Horizontal	Pass
2**	3220.000	33.39	-6.66	--	33.39	AV	21.00	150	Horizontal	N/A
2	3220.000	43.95	-6.66	68.2	-24.25	Peak	21.00	150	Horizontal	Pass
3**	5745.000	74.08	-0.14	--	74.08	AV	360.00	150	Horizontal	N/A
3	5745.000	81.16	-0.14	--	-278.84	Peak	360.00	150	Horizontal	Pass
4**	7529.000	34.30	17.25	54.0	-19.70	AV	226.00	150	Horizontal	Pass
4	7529.000	50.30	17.25	74.0	-23.70	Peak	226.00	150	Horizontal	Pass
5**	12564.563	39.98	21.83	54.0	-14.02	AV	208.00	150	Horizontal	Pass
5	12564.563	56.18	21.83	74.0	-17.82	Peak	208.00	150	Horizontal	Pass
6**	17670.562	43.73	29.13	--	43.73	AV	138.00	150	Horizontal	N/A
6	17670.562	61.43	29.13	68.2	-6.77	Peak	138.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11a Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1366.500	25.53	-15.00	54.0	-28.47	AV	118.00	150	Vertical	Pass
1	1366.500	36.36	-15.00	74.0	-37.64	Peak	118.00	150	Vertical	Pass
2**	3652.000	34.85	-4.68	54.0	-19.15	AV	203.00	150	Vertical	Pass
2	3652.000	45.83	-4.68	74.0	-28.17	Peak	203.00	150	Vertical	Pass
3**	5783.000	80.56	0.31	--	80.56	AV	106.00	150	Vertical	N/A
3	5783.000	87.62	0.31	--	-18.38	Peak	106.00	150	Vertical	Pass
4**	8068.063	35.14	18.42	54.0	-18.86	AV	360.00	150	Vertical	Pass
4	8068.063	51.59	18.42	74.0	-22.41	Peak	360.00	150	Vertical	Pass
5**	12509.938	40.22	20.89	54.0	-13.78	AV	292.00	150	Vertical	Pass
5	12509.938	55.79	20.89	74.0	-18.21	Peak	292.00	150	Vertical	Pass
6**	17291.250	43.53	28.09	--	43.53	AV	228.00	150	Vertical	N/A
6	17291.250	59.39	28.09	68.2	-8.81	Peak	228.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11a Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	29.43	-15.12	54.0	-24.57	AV	360.00	150	Horizontal	Pass
1	1380.000	38.23	-15.12	74.0	-35.77	Peak	360.00	150	Horizontal	Pass
2**	3220.000	33.83	-6.66	--	33.83	AV	36.00	150	Horizontal	N/A
2	3220.000	44.23	-6.66	68.2	-23.97	Peak	36.00	150	Horizontal	Pass
3**	5786.000	74.25	0.39	--	74.25	AV	360.00	150	Horizontal	N/A
3	5786.000	81.57	0.39	--	-278.43	Peak	360.00	150	Horizontal	Pass
4**	9107.375	34.80	18.57	54.0	-19.20	AV	0.00	150	Horizontal	Pass
4	9107.375	51.46	18.57	74.0	-22.54	Peak	0.00	150	Horizontal	Pass
5**	15025.875	39.35	24.33	--	39.35	AV	93.00	150	Horizontal	N/A
5	15025.875	56.08	24.33	68.2	-12.12	Peak	93.00	150	Horizontal	Pass
6**	17635.125	44.46	29.57	--	44.46	AV	74.00	150	Horizontal	N/A
6	17635.125	59.69	29.57	68.2	-8.51	Peak	74.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11a High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1517.000	25.92	-15.16	54.0	-28.08	AV	327.00	150	Vertical	Pass
1	1517.000	37.07	-15.16	74.0	-36.93	Peak	327.00	150	Vertical	Pass
2**	4192.000	35.19	-4.37	54.0	-18.81	AV	108.00	150	Vertical	Pass
2	4192.000	45.96	-4.37	74.0	-28.04	Peak	108.00	150	Vertical	Pass
3**	5828.000	81.28	0.52	--	81.28	AV	108.00	150	Vertical	N/A
3	5828.000	88.61	0.52	--	-19.39	Peak	108.00	150	Vertical	Pass
4**	7306.187	34.94	17.05	54.0	-19.06	AV	160.00	150	Vertical	Pass
4	7306.187	50.58	17.05	74.0	-23.42	Peak	160.00	150	Vertical	Pass
5**	15280.500	41.21	25.81	--	41.21	AV	86.00	150	Vertical	N/A
5	15280.500	56.06	25.81	68.2	-12.14	Peak	86.00	150	Vertical	Pass
6**	17549.812	44.77	30.16	--	44.77	AV	326.00	150	Vertical	N/A
6	17549.812	59.78	30.16	68.2	-8.42	Peak	326.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11a High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	30.00	-15.12	54.0	-24.00	AV	75.00	150	Horizontal	Pass
1	1380.000	38.60	-15.12	74.0	-35.40	Peak	75.00	150	Horizontal	Pass
2**	3221.000	38.23	-6.53	--	38.23	AV	28.00	150	Horizontal	N/A
2	3221.000	44.14	-6.53	68.2	-24.06	Peak	28.00	150	Horizontal	Pass
3**	5824.000	74.41	0.25	--	74.41	AV	180.00	150	Horizontal	N/A
3	5824.000	82.29	0.25	--	-97.71	Peak	180.00	150	Horizontal	Pass
4**	7429.813	33.56	16.73	54.0	-20.44	AV	347.00	150	Horizontal	Pass
4	7429.813	50.51	16.73	74.0	-23.49	Peak	347.00	150	Horizontal	Pass
5**	12528.625	39.71	21.32	54.0	-14.29	AV	67.00	150	Horizontal	Pass
5	12528.625	55.63	21.32	74.0	-18.37	Peak	67.00	150	Horizontal	Pass
6**	17825.438	43.55	28.45	54.0	-10.45	AV	326.00	150	Horizontal	Pass
6	17825.438	59.59	28.45	74.0	-14.41	Peak	326.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band I 11n20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1192.500	31.48	-18.95	54.0	-22.52	AV	266.00	150	Vertical	Pass
1	1192.500	35.43	-18.95	74.0	-38.57	Peak	266.00	150	Vertical	Pass
2**	3049.000	35.87	-9.23	--	35.87	AV	232.00	150	Vertical	N/A
2	3049.000	42.79	-9.23	68.2	-25.41	Peak	232.00	150	Vertical	Pass
3**	4092.000	38.76	-6.97	54.0	-15.24	AV	330.00	150	Vertical	Pass
3	4092.000	44.94	-6.97	74.0	-29.06	Peak	330.00	150	Vertical	Pass
4**	5181.000	87.67	-4.37	--	87.67	AV	169.00	150	Vertical	N/A
4	5181.000	90.78	-4.37	--	-78.22	Peak	169.00	150	Vertical	Pass
5**	6683.000	46.88	-1.25	--	46.88	AV	89.00	150	Vertical	N/A
5	6683.000	51.13	-1.25	68.2	-17.07	Peak	89.00	150	Vertical	Pass
6**	15532.500	47.68	-1.34	54.0	-6.32	AV	129.00	150	Vertical	Pass
6	15532.500	52.85	-1.34	74.0	-21.15	Peak	129.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11n20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	34.40	-18.37	54.0	-19.60	AV	36.00	150	Horizontal	Pass
1	1380.000	37.24	-18.37	74.0	-36.76	Peak	36.00	150	Horizontal	Pass
2**	2276.000	37.26	-14.13	54.0	-16.74	AV	290.00	150	Horizontal	Pass
2	2276.000	40.87	-14.13	74.0	-33.13	Peak	290.00	150	Horizontal	Pass
3**	4377.000	40.32	-6.04	54.0	-13.68	AV	96.00	150	Horizontal	Pass
3	4377.000	46.81	-6.04	74.0	-27.19	Peak	96.00	150	Horizontal	Pass
4**	5178.000	97.06	-4.49	--	97.06	AV	356.00	150	Horizontal	N/A
4	5178.000	150.21	-4.49	--	-255.79	Peak	356.00	150	Horizontal	Pass
5**	6672.000	47.40	-0.24	--	47.40	AV	291.00	150	Horizontal	N/A
5	6672.000	51.45	-0.24	68.2	-16.75	Peak	291.00	150	Horizontal	Pass
6**	15541.687	46.44	-1.53	54.0	-7.56	AV	6.00	150	Horizontal	Pass
6	15541.687	52.51	-1.53	74.0	-21.49	Peak	6.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band I 11n20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1164.500	31.29	-18.96	54.0	-22.71	AV	338.00	150	Vertical	Pass
1	1164.500	34.83	-18.96	74.0	-39.17	Peak	338.00	150	Vertical	Pass
2**	3088.000	36.54	-9.77	--	36.54	AV	151.00	150	Vertical	N/A
2	3088.000	42.26	-9.77	68.2	-25.94	Peak	151.00	150	Vertical	Pass
3**	3865.000	37.56	-7.10	54.0	-16.44	AV	346.00	150	Vertical	Pass
3	3865.000	44.83	-7.10	74.0	-29.17	Peak	346.00	150	Vertical	Pass
4**	5218.000	85.23	-4.95	--	85.23	AV	169.00	150	Vertical	N/A
4	5218.000	91.54	-4.95	--	-77.46	Peak	169.00	150	Vertical	Pass
5**	6681.000	46.45	-0.64	--	46.45	AV	336.00	150	Vertical	N/A
5	6681.000	50.77	-0.64	68.2	-17.43	Peak	336.00	150	Vertical	Pass
6**	15659.813	46.28	-2.09	54.0	-7.72	AV	134.00	150	Vertical	Pass
6	15659.813	51.65	-2.09	74.0	-22.35	Peak	134.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11n20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	34.52	-18.22	54.0	-19.48	AV	29.00	150	Horizontal	Pass
1	1379.500	36.24	-18.22	74.0	-37.76	Peak	29.00	150	Horizontal	Pass
2**	2237.500	37.55	-14.31	54.0	-16.45	AV	360.00	150	Horizontal	Pass
2	2237.500	40.38	-14.31	74.0	-33.62	Peak	360.00	150	Horizontal	Pass
3**	4048.000	39.10	-6.95	54.0	-14.90	AV	253.00	150	Horizontal	Pass
3	4048.000	45.34	-6.95	74.0	-28.66	Peak	253.00	150	Horizontal	Pass
4**	5221.000	96.23	-4.67	--	96.23	AV	1.00	150	Horizontal	N/A
4	5221.000	101.02	-4.67	--	150.02	Peak	1.00	150	Horizontal	N/A
5**	6683.000	46.80	-1.25	--	46.80	AV	49.00	150	Horizontal	N/A
5	6683.000	51.30	-1.25	68.2	-16.90	Peak	49.00	150	Horizontal	Pass
6**	13580.812	42.95	-1.21	--	42.95	AV	320.00	150	Horizontal	N/A
6	13580.812	50.00	-1.21	68.2	-18.20	Peak	320.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band I 11n20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1164.500	31.29	-18.96	54.0	-22.71	AV	338.00	150	Vertical	Pass
1	1164.500	34.83	-18.96	74.0	-39.17	Peak	338.00	150	Vertical	Pass
2**	3088.000	36.54	-9.77	--	36.54	AV	151.00	150	Vertical	N/A
2	3088.000	42.26	-9.77	68.2	-25.94	Peak	151.00	150	Vertical	Pass
3**	3865.000	37.56	-7.10	54.0	-16.44	AV	346.00	150	Vertical	Pass
3	3865.000	44.83	-7.10	74.0	-29.17	Peak	346.00	150	Vertical	Pass
4**	5218.000	85.23	-4.95	--	85.23	AV	169.00	150	Vertical	N/A
4	5218.000	91.54	-4.95	--	-77.46	Peak	169.00	150	Vertical	Pass
5**	6681.000	46.45	-0.64	--	46.45	AV	336.00	150	Vertical	N/A
5	6681.000	50.77	-0.64	68.2	-17.43	Peak	336.00	150	Vertical	Pass
6**	15659.813	46.28	-2.09	54.0	-7.72	AV	134.00	150	Vertical	Pass
6	15659.813	51.65	-2.09	74.0	-22.35	Peak	134.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11n20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	34.28	-18.22	54.0	-19.72	AV	30.00	150	Horizontal	Pass
1	1379.500	36.64	-18.22	74.0	-37.36	Peak	30.00	150	Horizontal	Pass
2**	2553.000	37.62	-13.47	--	37.62	AV	161.00	150	Horizontal	N/A
2	2553.000	40.80	-13.47	68.2	-27.40	Peak	161.00	150	Horizontal	Pass
3**	3810.000	40.95	-6.67	54.0	-13.05	AV	265.00	150	Horizontal	Pass
3	3810.000	44.90	-6.67	74.0	-29.10	Peak	265.00	150	Horizontal	Pass
4**	5242.000	97.24	-4.71	--	97.24	AV	360.00	150	Horizontal	N/A
4	5242.000	150.87	-4.71	--	-259.13	Peak	360.00	150	Horizontal	Pass
5**	6667.000	45.60	-0.34	--	45.60	AV	13.00	150	Horizontal	N/A
5	6667.000	51.17	-0.34	68.2	-17.03	Peak	13.00	150	Horizontal	Pass
6**	15729.375	46.63	-2.17	54.0	-7.37	AV	34.00	150	Horizontal	Pass
6	15729.375	53.32	-2.17	74.0	-20.68	Peak	34.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11n20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	35.64	-18.37	54.0	-18.36	AV	33.00	150	Vertical	Pass
1	1380.000	37.95	-18.37	74.0	-36.05	Peak	33.00	150	Vertical	Pass
2**	2788.500	37.25	-12.00	54.0	-16.75	AV	49.00	150	Vertical	Pass
2	2788.500	41.14	-12.00	74.0	-32.86	Peak	49.00	150	Vertical	Pass
3**	4155.000	39.68	-6.32	54.0	-14.32	AV	140.00	150	Vertical	Pass
3	4155.000	45.42	-6.32	74.0	-28.58	Peak	140.00	150	Vertical	Pass
4**	5261.000	96.76	-4.93	--	96.76	AV	0.00	150	Vertical	N/A
4	5261.000	101.26	-4.93	--	101.26	Peak	0.00	150	Vertical	N/A
5**	6671.000	47.24	-0.15	--	47.24	AV	242.00	150	Vertical	N/A
5	6671.000	51.55	-0.15	68.2	-16.65	Peak	242.00	150	Vertical	Pass
6**	15783.187	49.20	-1.39	54.0	-4.80	AV	0.00	150	Vertical	Pass
6	15783.187	55.62	-1.39	74.0	-18.38	Peak	0.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11n20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.500	33.87	-18.53	54.0	-20.13	AV	275.00	150	Horizontal	Pass
1	1380.500	35.86	-18.53	74.0	-38.14	Peak	275.00	150	Horizontal	Pass
2**	2236.500	35.72	-14.35	54.0	-18.28	AV	209.00	150	Horizontal	Pass
2	2236.500	40.34	-14.35	74.0	-33.66	Peak	209.00	150	Horizontal	Pass
3**	4183.000	39.83	-6.88	54.0	-14.17	AV	118.00	150	Horizontal	Pass
3	4183.000	46.04	-6.88	74.0	-27.96	Peak	118.00	150	Horizontal	Pass
4**	5261.000	88.97	-4.93	--	88.97	AV	118.00	150	Horizontal	N/A
4	5261.000	93.78	-4.93	--	-24.22	Peak	118.00	150	Horizontal	Pass
5**	6669.000	46.19	-0.24	--	46.19	AV	152.00	150	Horizontal	N/A
5	6669.000	50.86	-0.24	68.2	-17.34	Peak	152.00	150	Horizontal	Pass
6**	15776.625	51.02	-1.51	54.0	-2.98	AV	95.00	150	Horizontal	Pass
6	15776.625	56.03	-1.51	74.0	-17.97	Peak	95.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11n20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	36.76	-18.22	54.0	-17.24	AV	48.00	150	Vertical	Pass
1	1379.500	38.65	-18.22	74.0	-35.35	Peak	48.00	150	Vertical	Pass
2**	2118.500	37.21	-15.19	--	37.21	AV	264.00	150	Vertical	N/A
2	2118.500	39.15	-15.19	68.2	-29.05	Peak	264.00	150	Vertical	Pass
3**	3829.000	39.32	-7.75	54.0	-14.68	AV	128.00	150	Vertical	Pass
3	3829.000	44.26	-7.75	74.0	-29.74	Peak	128.00	150	Vertical	Pass
4**	5301.000	98.78	-5.02	--	98.78	AV	325.00	150	Vertical	N/A
4	5301.000	101.48	-5.02	--	-223.52	Peak	325.00	150	Vertical	Pass
5**	6674.000	46.65	-0.31	--	46.65	AV	110.00	150	Vertical	N/A
5	6674.000	50.65	-0.31	68.2	-17.55	Peak	110.00	150	Vertical	Pass
6**	15901.312	49.49	-2.83	54.0	-4.51	AV	2.00	150	Vertical	Pass
6	15901.312	58.10	-2.83	74.0	-15.90	Peak	2.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11n20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	35.00	-18.37	54.0	-19.00	AV	261.00	150	Horizontal	Pass
1	1380.000	36.48	-18.37	74.0	-37.52	Peak	261.00	150	Horizontal	Pass
2**	2337.500	37.33	-14.57	54.0	-16.67	AV	82.00	150	Horizontal	Pass
2	2337.500	40.03	-14.57	74.0	-33.97	Peak	82.00	150	Horizontal	Pass
3**	4778.000	42.22	-5.10	54.0	-11.78	AV	62.00	150	Horizontal	Pass
3	4778.000	46.92	-5.10	74.0	-27.08	Peak	62.00	150	Horizontal	Pass
4**	5298.000	90.16	-5.08	--	90.16	AV	167.00	150	Horizontal	N/A
4	5298.000	95.45	-5.08	--	-71.55	Peak	167.00	150	Horizontal	Pass
5**	6667.000	45.17	-0.34	--	45.17	AV	27.00	150	Horizontal	N/A
5	6667.000	51.64	-0.34	68.2	-16.56	Peak	27.00	150	Horizontal	Pass
6**	15898.687	51.05	-2.83	54.0	-2.95	AV	67.00	150	Horizontal	Pass
6	15898.687	57.49	-2.83	74.0	-16.51	Peak	67.00	150	Horizontal	Pass



## 1 GHz to 40 GHz, ANT V Band II 11n20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	37.42	-18.22	54.0	-16.58	AV	33.00	150	Vertical	Pass
1	1379.500	39.13	-18.22	74.0	-34.87	Peak	33.00	150	Vertical	Pass
2**	3023.000	37.32	-10.53	--	37.32	AV	307.00	150	Vertical	N/A
2	3023.000	41.49	-10.53	68.2	-26.71	Peak	307.00	150	Vertical	Pass
3**	4074.000	40.86	-6.76	54.0	-13.14	AV	198.00	150	Vertical	Pass
3	4074.000	44.95	-6.76	74.0	-29.05	Peak	198.00	150	Vertical	Pass
4**	5325.000	95.82	-5.26	--	95.82	AV	360.00	150	Vertical	N/A
4	5325.000	101.53	-5.26	--	-258.47	Peak	360.00	150	Vertical	Pass
5**	6671.000	46.76	-0.15	--	46.76	AV	180.00	150	Vertical	N/A
5	6671.000	50.50	-0.15	68.2	-17.70	Peak	180.00	150	Vertical	Pass
6**	15959.063	49.85	-3.02	54.0	-4.15	AV	1.00	150	Vertical	Pass
6	15959.063	57.48	-3.02	74.0	-16.52	Peak	1.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11n20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	34.59	-18.22	54.0	-19.41	AV	217.00	150	Horizontal	Pass
1	1379.500	36.58	-18.22	74.0	-37.42	Peak	217.00	150	Horizontal	Pass
2**	3186.000	38.54	-9.32	--	38.54	AV	177.00	150	Horizontal	N/A
2	3186.000	42.78	-9.32	68.2	-25.42	Peak	177.00	150	Horizontal	Pass
3**	5072.000	42.42	-4.06	54.0	-11.58	AV	141.00	150	Horizontal	Pass
3	5072.000	49.36	-4.06	74.0	-24.64	Peak	141.00	150	Horizontal	Pass
4**	5321.000	91.53	-5.21	--	91.53	AV	159.00	150	Horizontal	N/A
4	5321.000	95.86	-5.21	--	-63.14	Peak	159.00	150	Horizontal	Pass
5**	6675.000	47.50	-0.35	--	47.50	AV	269.00	150	Horizontal	N/A
5	6675.000	50.41	-0.35	68.2	-17.79	Peak	269.00	150	Horizontal	Pass
6**	15961.687	52.09	-3.01	54.0	-1.91	AV	74.00	150	Horizontal	Pass
6	15961.687	56.56	-3.01	74.0	-17.44	Peak	74.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11n20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1311.500	25.43	-14.82	54.0	-28.57	AV	0.00	150	Vertical	Pass
1	1311.500	36.31	-14.82	74.0	-37.69	Peak	0.00	150	Vertical	Pass
2**	3171.000	32.61	-6.98	--	32.61	AV	196.00	150	Vertical	N/A
2	3171.000	44.56	-6.98	68.2	-23.64	Peak	196.00	150	Vertical	Pass
3**	5499.000	77.15	-0.29	--	77.15	AV	91.00	150	Vertical	N/A
3	5499.000	84.11	-0.29	--	-6.89	Peak	91.00	150	Vertical	Pass
4**	8949.250	34.20	17.86	--	34.20	AV	118.00	150	Vertical	N/A
4	8949.250	51.24	17.86	68.2	-16.96	Peak	118.00	150	Vertical	Pass
5**	12488.375	39.27	20.87	54.0	-14.73	AV	305.00	150	Vertical	Pass
5	12488.375	56.91	20.87	74.0	-17.09	Peak	305.00	150	Vertical	Pass
6**	17460.562	43.68	28.83	--	43.68	AV	129.00	150	Vertical	N/A
6	17460.562	58.84	28.83	68.2	-9.36	Peak	129.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11n20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	28.07	-15.12	54.0	-25.93	AV	80.00	150	Horizontal	Pass
1	1380.000	37.15	-15.12	74.0	-36.85	Peak	80.00	150	Horizontal	Pass
2**	3220.000	33.47	-6.66	--	33.47	AV	36.00	150	Horizontal	N/A
2	3220.000	43.71	-6.66	68.2	-24.49	Peak	36.00	150	Horizontal	Pass
3**	5499.000	73.03	-0.29	--	73.03	AV	164.00	150	Horizontal	N/A
3	5499.000	79.91	-0.29	--	-84.09	Peak	164.00	150	Horizontal	Pass
4**	8059.438	34.91	18.33	54.0	-19.09	AV	348.00	150	Horizontal	Pass
4	8059.438	51.60	18.33	74.0	-22.40	Peak	348.00	150	Horizontal	Pass
5**	12563.125	40.04	21.86	54.0	-13.96	AV	177.00	150	Horizontal	Pass
5	12563.125	55.33	21.86	74.0	-18.67	Peak	177.00	150	Horizontal	Pass
6**	17652.187	44.21	29.30	--	44.21	AV	251.00	150	Horizontal	N/A
6	17652.187	61.02	29.30	68.2	-7.18	Peak	251.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11n20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1364.500	25.61	-14.99	54.0	-28.39	AV	262.00	150	Vertical	Pass
1	1364.500	36.50	-14.99	74.0	-37.50	Peak	262.00	150	Vertical	Pass
2**	3079.000	32.54	-6.30	--	32.54	AV	80.00	150	Vertical	N/A
2	3079.000	43.82	-6.30	68.2	-24.38	Peak	80.00	150	Vertical	Pass
3**	5579.000	77.73	-0.04	--	77.73	AV	98.00	150	Vertical	N/A
3	5579.000	85.03	-0.04	--	-12.97	Peak	98.00	150	Vertical	Pass
4**	9271.250	35.61	18.08	--	35.61	AV	0.00	150	Vertical	N/A
4	9271.250	52.52	18.08	68.2	-15.68	Peak	0.00	150	Vertical	Pass
5**	12568.875	40.36	21.76	54.0	-13.64	AV	36.00	150	Vertical	Pass
5	12568.875	55.72	21.76	74.0	-18.28	Peak	36.00	150	Vertical	Pass
6**	17599.687	44.44	29.61	--	44.44	AV	104.00	150	Vertical	N/A
6	17599.687	59.63	29.61	68.2	-8.57	Peak	104.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11n20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	29.11	-15.12	54.0	-24.89	AV	71.00	150	Horizontal	Pass
1	1380.000	37.96	-15.12	74.0	-36.04	Peak	71.00	150	Horizontal	Pass
2**	4052.000	34.70	-4.32	54.0	-19.30	AV	0.00	150	Horizontal	Pass
2	4052.000	46.19	-4.32	74.0	-27.81	Peak	0.00	150	Horizontal	Pass
3**	5581.000	72.06	-0.11	--	72.06	AV	11.00	150	Horizontal	N/A
3	5581.000	79.50	-0.11	--	68.50	Peak	11.00	150	Horizontal	N/A
4**	9887.938	35.67	17.91	--	35.67	AV	269.00	150	Horizontal	N/A
4	9887.938	51.18	17.91	68.2	-17.02	Peak	269.00	150	Horizontal	Pass
5**	12550.187	39.74	21.77	54.0	-14.26	AV	250.00	150	Horizontal	Pass
5	12550.187	55.45	21.77	74.0	-18.55	Peak	250.00	150	Horizontal	Pass
6**	16190.063	41.31	27.57	54.0	-12.69	AV	260.00	150	Horizontal	Pass
6	16190.063	56.88	27.57	74.0	-17.12	Peak	260.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11n20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1463.000	25.50	-15.04	54.0	-28.50	AV	34.00	150	Vertical	Pass
1	1463.000	36.39	-15.04	74.0	-37.61	Peak	34.00	150	Vertical	Pass
2**	3709.000	33.84	-5.43	54.0	-20.16	AV	320.00	150	Vertical	Pass
2	3709.000	45.32	-5.43	74.0	-28.68	Peak	320.00	150	Vertical	Pass
3**	5702.000	80.34	-0.61	--	80.34	AV	245.00	150	Vertical	N/A
3	5702.000	87.66	-0.61	--	-157.34	Peak	245.00	150	Vertical	Pass
4**	9262.625	35.14	18.21	--	35.14	AV	208.00	150	Vertical	N/A
4	9262.625	51.75	18.21	68.2	-16.45	Peak	208.00	150	Vertical	Pass
5**	12433.750	39.75	21.00	54.0	-14.25	AV	112.00	150	Vertical	Pass
5	12433.750	55.36	21.00	74.0	-18.64	Peak	112.00	150	Vertical	Pass
6**	15284.437	41.38	25.71	--	41.38	AV	246.00	150	Vertical	N/A
6	15284.437	57.08	25.71	68.2	-11.12	Peak	246.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11n20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	29.57	-15.12	54.0	-24.43	AV	3.00	150	Horizontal	Pass
1	1380.000	37.74	-15.12	74.0	-36.26	Peak	3.00	150	Horizontal	Pass
2**	4314.000	35.60	-3.67	54.0	-18.40	AV	218.00	150	Horizontal	Pass
2	4314.000	46.84	-3.67	74.0	-27.16	Peak	218.00	150	Horizontal	Pass
3**	5698.000	74.07	-0.49	--	74.07	AV	4.00	150	Horizontal	N/A
3	5698.000	81.82	-0.49	--	77.82	Peak	4.00	150	Horizontal	N/A
4**	8174.437	33.65	17.09	54.0	-20.35	AV	206.00	150	Horizontal	Pass
4	8174.437	50.08	17.09	74.0	-23.92	Peak	206.00	150	Horizontal	Pass
5**	12402.125	39.17	21.06	54.0	-14.83	AV	307.00	150	Horizontal	Pass
5	12402.125	55.54	21.06	74.0	-18.46	Peak	307.00	150	Horizontal	Pass
6**	17589.187	44.05	29.63	--	44.05	AV	94.00	150	Horizontal	N/A
6	17589.187	59.69	29.63	68.2	-8.51	Peak	94.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11n20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1460.000	26.14	-14.96	54.0	-27.86	AV	166.00	150	Vertical	Pass
1	1460.000	36.59	-14.96	74.0	-37.41	Peak	166.00	150	Vertical	Pass
2**	3890.000	34.63	-4.87	54.0	-19.37	AV	0.00	150	Vertical	Pass
2	3890.000	45.27	-4.87	74.0	-28.73	Peak	0.00	150	Vertical	Pass
3**	5744.000	80.33	-0.16	--	80.33	AV	120.00	150	Vertical	N/A
3	5744.000	86.96	-0.16	--	-33.04	Peak	120.00	150	Vertical	Pass
4**	9389.125	34.90	18.29	54.0	-19.10	AV	221.00	150	Vertical	Pass
4	9389.125	51.41	18.29	74.0	-22.59	Peak	221.00	150	Vertical	Pass
5**	14876.250	40.73	26.61	--	40.73	AV	136.00	150	Vertical	N/A
5	14876.250	57.42	26.61	68.2	-10.78	Peak	136.00	150	Vertical	Pass
6**	17555.063	44.93	30.01	--	44.93	AV	317.00	150	Vertical	N/A
6	17555.063	60.89	30.01	68.2	-7.31	Peak	317.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11n20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	30.37	-15.12	54.0	-23.63	AV	74.00	150	Horizontal	Pass
1	1380.000	38.75	-15.12	74.0	-35.25	Peak	74.00	150	Horizontal	Pass
2**	3074.000	32.38	-6.65	--	32.38	AV	257.00	150	Horizontal	N/A
2	3074.000	44.44	-6.65	68.2	-23.76	Peak	257.00	150	Horizontal	Pass
3**	5744.000	72.88	-0.16	--	72.88	AV	0.00	150	Horizontal	N/A
3	5744.000	80.59	-0.16	--	80.59	Peak	0.00	150	Horizontal	N/A
4**	8802.625	34.33	17.60	--	34.33	AV	244.00	150	Horizontal	N/A
4	8802.625	50.80	17.60	68.2	-17.40	Peak	244.00	150	Horizontal	Pass
5**	12486.938	39.39	20.88	54.0	-14.61	AV	167.00	150	Horizontal	Pass
5	12486.938	55.96	20.88	74.0	-18.04	Peak	167.00	150	Horizontal	Pass
6**	17631.187	44.76	29.53	--	44.76	AV	176.00	150	Horizontal	N/A
6	17631.187	60.31	29.53	68.2	-7.89	Peak	176.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11n20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	27.86	-15.12	54.0	-26.14	AV	0.00	150	Vertical	Pass
1	1380.000	36.57	-15.12	74.0	-37.43	Peak	0.00	150	Vertical	Pass
2**	4237.000	35.03	-4.12	54.0	-18.97	AV	199.00	150	Vertical	Pass
2	4237.000	46.72	-4.12	74.0	-27.28	Peak	199.00	150	Vertical	Pass
3**	5784.000	80.98	0.33	--	80.98	AV	109.00	150	Vertical	N/A
3	5784.000	87.79	0.33	--	-21.21	Peak	109.00	150	Vertical	Pass
4**	9265.500	35.63	18.17	--	35.63	AV	327.00	150	Vertical	N/A
4	9265.500	51.76	18.17	68.2	-16.44	Peak	327.00	150	Vertical	Pass
5**	15275.250	41.13	25.36	--	41.13	AV	294.00	150	Vertical	N/A
5	15275.250	56.77	25.36	68.2	-11.43	Peak	294.00	150	Vertical	Pass
6**	16740.000	42.21	28.50	--	42.21	AV	360.00	150	Vertical	N/A
6	16740.000	59.89	28.50	68.2	-8.31	Peak	360.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11n20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	29.94	-15.12	54.0	-24.06	AV	133.00	150	Horizontal	Pass
1	1380.000	37.94	-15.12	74.0	-36.06	Peak	133.00	150	Horizontal	Pass
2**	4148.000	34.46	-4.35	54.0	-19.54	AV	255.00	150	Horizontal	Pass
2	4148.000	46.42	-4.35	74.0	-27.58	Peak	255.00	150	Horizontal	Pass
3**	5783.000	73.83	0.31	--	73.83	AV	0.00	150	Horizontal	N/A
3	5783.000	81.37	0.31	--	81.37	Peak	0.00	150	Horizontal	N/A
4**	9347.438	35.15	17.50	54.0	-18.85	AV	151.00	150	Horizontal	Pass
4	9347.438	51.40	17.50	74.0	-22.60	Peak	151.00	150	Horizontal	Pass
5**	12658.000	39.51	21.92	54.0	-14.49	AV	0.00	150	Horizontal	Pass
5	12658.000	56.58	21.92	74.0	-17.42	Peak	0.00	150	Horizontal	Pass
6**	17310.937	43.60	28.28	--	43.60	AV	25.00	150	Horizontal	N/A
6	17310.937	59.92	28.28	68.2	-8.28	Peak	25.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11n20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	28.09	-15.12	54.0	-25.91	AV	199.00	150	Vertical	Pass
1	1380.000	37.01	-15.12	74.0	-36.99	Peak	199.00	150	Vertical	Pass
2**	2580.000	29.63	-10.23	--	29.63	AV	1.00	150	Vertical	N/A
2	2580.000	41.80	-10.23	68.2	-26.40	Peak	1.00	150	Vertical	Pass
3**	5826.000	80.03	0.42	--	80.03	AV	104.00	150	Vertical	N/A
3	5826.000	87.77	0.42	--	-16.23	Peak	104.00	150	Vertical	Pass
4**	9896.563	36.27	18.42	--	36.27	AV	360.00	150	Vertical	N/A
4	9896.563	51.75	18.42	68.2	-16.45	Peak	360.00	150	Vertical	Pass
5**	14864.437	40.82	27.00	--	40.82	AV	344.00	150	Vertical	N/A
5	14864.437	58.03	27.00	68.2	-10.17	Peak	344.00	150	Vertical	Pass
6**	17751.937	42.65	27.75	54.0	-11.35	AV	24.00	150	Vertical	Pass
6	17751.937	59.52	27.75	74.0	-14.48	Peak	24.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11n20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	28.49	-15.12	54.0	-25.51	AV	68.00	150	Horizontal	Pass
1	1380.000	36.77	-15.12	74.0	-37.23	Peak	68.00	150	Horizontal	Pass
2**	4178.000	35.44	-3.88	54.0	-18.56	AV	58.00	150	Horizontal	Pass
2	4178.000	46.36	-3.88	74.0	-27.64	Peak	58.00	150	Horizontal	Pass
3**	5824.000	73.46	0.25	--	73.46	AV	239.00	150	Horizontal	N/A
3	5824.000	80.86	0.25	--	-158.14	Peak	239.00	150	Horizontal	Pass
4**	9268.375	35.48	18.12	--	35.48	AV	3.00	150	Horizontal	N/A
4	9268.375	51.14	18.12	68.2	-17.06	Peak	3.00	150	Horizontal	Pass
5**	12715.500	39.36	21.83	--	39.36	AV	108.00	150	Horizontal	N/A
5	12715.500	55.36	21.83	68.2	-12.84	Peak	108.00	150	Horizontal	Pass
6**	15644.063	40.66	27.09	54.0	-13.34	AV	10.00	150	Horizontal	Pass
6	15644.063	56.64	27.09	74.0	-17.36	Peak	10.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band I 11n40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1207.500	31.18	-18.82	54.0	-22.82	AV	360.00	150	Vertical	Pass
1	1207.500	36.05	-18.82	74.0	-37.95	Peak	360.00	150	Vertical	Pass
2**	2655.500	37.82	-12.82	--	37.82	AV	102.00	150	Vertical	N/A
2	2655.500	40.97	-12.82	68.2	-27.23	Peak	102.00	150	Vertical	Pass
3**	4865.000	41.84	-4.92	54.0	-12.16	AV	10.00	150	Vertical	Pass
3	4865.000	47.50	-4.92	74.0	-26.50	Peak	10.00	150	Vertical	Pass
4**	5192.000	83.71	-4.50	--	83.71	AV	168.00	150	Vertical	N/A
4	5192.000	88.13	-4.50	--	-79.87	Peak	168.00	150	Vertical	Pass
5**	6674.000	45.50	-0.31	--	45.50	AV	360.00	150	Vertical	N/A
5	6674.000	51.26	-0.31	68.2	-16.94	Peak	360.00	150	Vertical	Pass
6**	16413.187	44.91	-0.76	--	44.91	AV	111.00	150	Vertical	N/A
6	16413.187	51.29	-0.76	68.2	-16.91	Peak	111.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11n40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	37.00	-18.22	54.0	-17.00	AV	43.00	150	Horizontal	Pass
1	1379.500	38.21	-18.22	74.0	-35.79	Peak	43.00	150	Horizontal	Pass
2**	2064.500	34.02	-15.95	--	34.02	AV	216.00	150	Horizontal	N/A
2	2064.500	39.12	-15.95	68.2	-29.08	Peak	216.00	150	Horizontal	Pass
3**	3660.000	38.33	-7.82	54.0	-15.67	AV	96.00	150	Horizontal	Pass
3	3660.000	44.21	-7.82	74.0	-29.79	Peak	96.00	150	Horizontal	Pass
4**	5186.000	94.19	-4.35	--	94.19	AV	360.00	150	Horizontal	N/A
4	5186.000	99.11	-4.35	--	-260.89	Peak	360.00	150	Horizontal	Pass
5**	6674.000	46.02	-0.31	--	46.02	AV	288.00	150	Horizontal	N/A
5	6674.000	51.51	-0.31	68.2	-16.69	Peak	288.00	150	Horizontal	Pass
6**	15523.313	44.63	-1.08	54.0	-9.37	AV	298.00	150	Horizontal	Pass
6	15523.313	51.40	-1.08	74.0	-22.60	Peak	298.00	150	Horizontal	Pass



## 1 GHz to 40 GHz, ANT V Band I 11n40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1479.500	34.48	-18.79	54.0	-19.52	AV	20.00	150	Vertical	Pass
1	1479.500	35.71	-18.79	74.0	-38.29	Peak	20.00	150	Vertical	Pass
2**	2028.000	33.41	-16.69	--	33.41	AV	105.00	150	Vertical	N/A
2	2028.000	38.65	-16.69	68.2	-29.55	Peak	105.00	150	Vertical	Pass
3**	4991.000	44.20	-4.97	54.0	-9.80	AV	14.00	150	Vertical	Pass
3	4991.000	48.14	-4.97	74.0	-25.86	Peak	14.00	150	Vertical	Pass
4**	5234.000	83.77	-4.77	--	83.77	AV	175.00	150	Vertical	N/A
4	5234.000	88.20	-4.77	--	-86.80	Peak	175.00	150	Vertical	Pass
5**	6669.000	46.85	-0.24	--	46.85	AV	175.00	150	Vertical	N/A
5	6669.000	50.94	-0.24	68.2	-17.26	Peak	175.00	150	Vertical	Pass
6**	17233.500	45.67	-0.80	--	45.67	AV	7.00	150	Vertical	N/A
6	17233.500	51.95	-0.80	68.2	-16.25	Peak	7.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11n40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	36.59	-18.22	54.0	-17.41	AV	46.00	150	Horizontal	Pass
1	1379.500	37.94	-18.22	74.0	-36.06	Peak	46.00	150	Horizontal	Pass
2**	3131.000	35.30	-10.42	--	35.30	AV	283.00	150	Horizontal	N/A
2	3131.000	42.74	-10.42	68.2	-25.46	Peak	283.00	150	Horizontal	Pass
3**	4170.000	39.06	-6.44	54.0	-14.94	AV	324.00	150	Horizontal	Pass
3	4170.000	45.53	-6.44	74.0	-28.47	Peak	324.00	150	Horizontal	Pass
4**	5227.000	95.26	-4.82	--	95.26	AV	353.00	150	Horizontal	N/A
4	5227.000	99.74	-4.82	--	-253.26	Peak	353.00	150	Horizontal	Pass
5**	6670.000	46.07	-0.15	--	46.07	AV	200.00	150	Horizontal	N/A
5	6670.000	51.42	-0.15	68.2	-16.78	Peak	200.00	150	Horizontal	Pass
6**	15451.125	44.50	-0.73	54.0	-9.50	AV	282.00	150	Horizontal	Pass
6	15451.125	52.18	-0.73	74.0	-21.82	Peak	282.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11n40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	33.92	-18.37	54.0	-20.08	AV	249.00	150	Vertical	Pass
1	1380.000	36.27	-18.37	74.0	-37.73	Peak	249.00	150	Vertical	Pass
2**	2142.500	37.10	-15.64	--	37.10	AV	154.00	150	Vertical	N/A
2	2142.500	39.03	-15.64	68.2	-29.17	Peak	154.00	150	Vertical	Pass
3**	4838.000	42.91	-4.69	54.0	-11.09	AV	39.00	150	Vertical	Pass
3	4838.000	47.27	-4.69	74.0	-26.73	Peak	39.00	150	Vertical	Pass
4**	5274.000	87.44	-4.47	--	87.44	AV	161.00	150	Vertical	N/A
4	5274.000	91.77	-4.47	--	-69.23	Peak	161.00	150	Vertical	Pass
5**	6676.000	45.90	-0.45	--	45.90	AV	39.00	150	Vertical	N/A
5	6676.000	51.26	-0.45	68.2	-16.94	Peak	39.00	150	Vertical	Pass
6**	15802.875	50.77	-1.07	54.0	-3.23	AV	175.00	150	Vertical	Pass
6	15802.875	55.12	-1.07	74.0	-18.88	Peak	175.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11n40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	37.51	-18.22	54.0	-16.49	AV	53.00	150	Horizontal	Pass
1	1379.500	39.31	-18.22	74.0	-34.69	Peak	53.00	150	Horizontal	Pass
2**	2812.000	37.89	-11.91	54.0	-16.11	AV	110.00	150	Horizontal	Pass
2	2812.000	40.96	-11.91	74.0	-33.04	Peak	110.00	150	Horizontal	Pass
3**	4635.000	41.27	-5.16	54.0	-12.73	AV	29.00	150	Horizontal	Pass
3	4635.000	46.80	-5.16	74.0	-27.20	Peak	29.00	150	Horizontal	Pass
4**	5274.000	96.91	-4.47	--	96.91	AV	357.00	150	Horizontal	N/A
4	5274.000	101.21	-4.47	--	-255.79	Peak	357.00	150	Horizontal	Pass
5**	6674.000	46.33	-0.31	--	46.33	AV	213.00	150	Horizontal	N/A
5	6674.000	51.24	-0.31	68.2	-16.96	Peak	213.00	150	Horizontal	Pass
6**	15818.625	46.66	-1.62	54.0	-7.34	AV	3.00	150	Horizontal	Pass
6	15818.625	53.24	-1.62	74.0	-20.76	Peak	3.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11n40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	33.41	-18.37	54.0	-20.59	AV	231.00	150	Vertical	Pass
1	1380.000	36.17	-18.37	74.0	-37.83	Peak	231.00	150	Vertical	Pass
2**	3656.000	38.47	-7.94	54.0	-15.53	AV	147.00	150	Vertical	Pass
2	3656.000	44.53	-7.94	74.0	-29.47	Peak	147.00	150	Vertical	Pass
3**	4302.000	39.98	-5.38	54.0	-14.02	AV	127.00	150	Vertical	Pass
3	4302.000	45.94	-5.38	74.0	-28.06	Peak	127.00	150	Vertical	Pass
4**	5313.000	89.77	-5.28	--	89.77	AV	168.00	150	Vertical	N/A
4	5313.000	92.80	-5.28	--	-75.20	Peak	168.00	150	Vertical	Pass
5**	6668.000	46.39	-0.31	--	46.39	AV	273.00	150	Vertical	N/A
5	6668.000	51.10	-0.31	68.2	-17.10	Peak	273.00	150	Vertical	Pass
6**	15935.438	49.23	-2.79	54.0	-4.77	AV	187.00	150	Vertical	Pass
6	15935.438	54.76	-2.79	74.0	-19.24	Peak	187.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11n40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	36.13	-18.22	54.0	-17.87	AV	41.00	150	Horizontal	Pass
1	1379.500	38.18	-18.22	74.0	-35.82	Peak	41.00	150	Horizontal	Pass
2**	2339.500	36.82	-14.46	54.0	-17.18	AV	216.00	150	Horizontal	Pass
2	2339.500	40.30	-14.46	74.0	-33.70	Peak	216.00	150	Horizontal	Pass
3**	3151.000	36.58	-10.34	--	36.58	AV	0.00	150	Horizontal	N/A
3	3151.000	42.49	-10.34	68.2	-25.71	Peak	0.00	150	Horizontal	Pass
4**	5309.000	96.49	-5.15	--	96.49	AV	357.00	150	Horizontal	N/A
4	5309.000	150.58	-5.15	--	-256.42	Peak	357.00	150	Horizontal	Pass
5**	6682.000	46.42	-0.94	--	46.42	AV	192.00	150	Horizontal	N/A
5	6682.000	50.90	-0.94	68.2	-17.30	Peak	192.00	150	Horizontal	Pass
6**	15940.688	46.37	-2.83	54.0	-7.63	AV	0.00	150	Horizontal	Pass
6	15940.688	52.27	-2.83	74.0	-21.73	Peak	0.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11n40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	27.33	-15.12	54.0	-26.67	AV	185.00	150	Vertical	Pass
1	1380.000	36.19	-15.12	74.0	-37.81	Peak	185.00	150	Vertical	Pass
2**	3087.000	32.90	-6.60	--	32.90	AV	255.00	150	Vertical	N/A
2	3087.000	43.06	-6.60	68.2	-25.14	Peak	255.00	150	Vertical	Pass
3**	5509.000	74.12	-0.20	--	74.12	AV	94.00	150	Vertical	N/A
3	5509.000	80.77	-0.20	--	-13.23	Peak	94.00	150	Vertical	Pass
4**	7073.312	34.51	16.64	--	34.51	AV	76.00	150	Vertical	N/A
4	7073.312	51.60	16.64	68.2	-16.60	Peak	76.00	150	Vertical	Pass
5**	12550.187	40.55	21.77	54.0	-13.45	AV	7.00	150	Vertical	Pass
5	12550.187	55.29	21.77	74.0	-18.71	Peak	7.00	150	Vertical	Pass
6**	17602.312	44.41	29.59	--	44.41	AV	89.00	150	Vertical	N/A
6	17602.312	60.18	29.59	68.2	-8.02	Peak	89.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11n40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	28.91	-15.12	54.0	-25.09	AV	119.00	150	Horizontal	Pass
1	1380.000	38.08	-15.12	74.0	-35.92	Peak	119.00	150	Horizontal	Pass
2**	3220.000	33.52	-6.66	--	33.52	AV	36.00	150	Horizontal	N/A
2	3220.000	43.69	-6.66	68.2	-24.51	Peak	36.00	150	Horizontal	Pass
3**	5512.000	69.40	-0.01	--	69.40	AV	162.00	150	Horizontal	N/A
3	5512.000	77.69	-0.01	--	-84.31	Peak	162.00	150	Horizontal	Pass
4**	7990.437	35.08	18.19	--	35.08	AV	262.00	150	Horizontal	N/A
4	7990.437	50.71	18.19	68.2	-17.49	Peak	262.00	150	Horizontal	Pass
5**	14775.187	40.15	26.11	--	40.15	AV	308.00	150	Horizontal	N/A
5	14775.187	56.53	26.11	68.2	-11.67	Peak	308.00	150	Horizontal	Pass
6**	17678.438	44.04	29.10	--	44.04	AV	333.00	150	Horizontal	N/A
6	17678.438	60.35	29.10	68.2	-7.85	Peak	333.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11n40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1447.500	26.01	-15.07	54.0	-27.99	AV	341.00	150	Vertical	Pass
1	1447.500	37.30	-15.07	74.0	-36.70	Peak	341.00	150	Vertical	Pass
2**	3740.000	33.85	-5.16	54.0	-20.15	AV	301.00	150	Vertical	Pass
2	3740.000	44.95	-5.16	74.0	-29.05	Peak	301.00	150	Vertical	Pass
3**	5675.000	76.21	0.08	--	76.21	AV	248.00	150	Vertical	N/A
3	5675.000	83.25	0.08	--	-164.75	Peak	248.00	150	Vertical	Pass
4**	9071.438	34.30	18.31	54.0	-19.70	AV	295.00	150	Vertical	Pass
4	9071.438	51.29	18.31	74.0	-22.71	Peak	295.00	150	Vertical	Pass
5**	12614.875	40.29	22.22	54.0	-13.71	AV	88.00	150	Vertical	Pass
5	12614.875	58.03	22.22	74.0	-15.97	Peak	88.00	150	Vertical	Pass
6**	15280.500	41.27	25.81	--	41.27	AV	306.00	150	Vertical	N/A
6	15280.500	57.15	25.81	68.2	-11.05	Peak	306.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11n40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	29.87	-15.12	54.0	-24.13	AV	77.00	150	Horizontal	Pass
1	1380.000	38.86	-15.12	74.0	-35.14	Peak	77.00	150	Horizontal	Pass
2**	3176.000	32.78	-6.46	--	32.78	AV	210.00	150	Horizontal	N/A
2	3176.000	44.72	-6.46	68.2	-23.48	Peak	210.00	150	Horizontal	Pass
3**	5672.000	71.83	0.02	--	71.83	AV	1.00	150	Horizontal	N/A
3	5672.000	78.63	0.02	--	77.63	Peak	1.00	150	Horizontal	N/A
4**	8046.500	35.04	18.31	54.0	-18.96	AV	53.00	150	Horizontal	Pass
4	8046.500	52.14	18.31	74.0	-21.86	Peak	53.00	150	Horizontal	Pass
5**	14844.750	40.90	26.88	--	40.90	AV	270.00	150	Horizontal	N/A
5	14844.750	57.12	26.88	68.2	-11.08	Peak	270.00	150	Horizontal	Pass
6**	17553.750	44.58	30.04	--	44.58	AV	308.00	150	Horizontal	N/A
6	17553.750	60.60	30.04	68.2	-7.60	Peak	308.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11n40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1797.000	26.37	-14.90	--	26.37	AV	361.00	150	Vertical	N/A
1	1797.000	37.28	-14.90	68.2	-30.92	Peak	361.00	150	Vertical	Pass
2**	4774.000	36.87	-2.06	54.0	-17.13	AV	235.00	150	Vertical	Pass
2	4774.000	48.39	-2.06	74.0	-25.61	Peak	235.00	150	Vertical	Pass
3**	5759.000	77.09	-0.09	--	77.09	AV	113.00	150	Vertical	N/A
3	5759.000	84.96	-0.09	--	-28.04	Peak	113.00	150	Vertical	Pass
4**	9134.687	35.13	18.57	54.0	-18.87	AV	3.00	150	Vertical	Pass
4	9134.687	51.34	18.57	74.0	-22.66	Peak	3.00	150	Vertical	Pass
5**	15283.125	40.94	25.75	--	40.94	AV	120.00	150	Vertical	N/A
5	15283.125	56.48	25.75	68.2	-11.72	Peak	120.00	150	Vertical	Pass
6**	17637.751	44.95	29.59	--	44.95	AV	90.00	150	Vertical	N/A
6	17637.751	59.84	29.59	68.2	-8.36	Peak	90.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11n40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.500	31.37	-15.09	54.0	-22.63	AV	360.00	150	Horizontal	Pass
1	1380.500	37.24	-15.09	74.0	-36.76	Peak	360.00	150	Horizontal	Pass
2**	3220.000	33.64	-6.66	--	33.64	AV	43.00	150	Horizontal	N/A
2	3220.000	43.68	-6.66	68.2	-24.52	Peak	43.00	150	Horizontal	Pass
3**	5759.000	70.32	-0.09	--	70.32	AV	165.00	150	Horizontal	N/A
3	5759.000	77.36	-0.09	--	-87.64	Peak	165.00	150	Horizontal	Pass
4**	12537.250	39.84	21.61	54.0	-14.16	AV	342.00	150	Horizontal	Pass
4	12537.250	56.19	21.61	74.0	-17.81	Peak	342.00	150	Horizontal	Pass
5**	15649.313	40.47	26.96	54.0	-13.53	AV	55.00	150	Horizontal	Pass
5	15649.313	56.54	26.96	74.0	-17.46	Peak	55.00	150	Horizontal	Pass
6**	17678.438	44.12	29.10	--	44.12	AV	129.00	150	Horizontal	N/A
6	17678.438	58.98	29.10	68.2	-9.22	Peak	129.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11n40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1383.000	25.36	-15.02	54.0	-28.64	AV	3.00	150	Vertical	Pass
1	1383.000	36.89	-15.02	74.0	-37.11	Peak	3.00	150	Vertical	Pass
2**	4941.000	36.68	-1.68	54.0	-17.32	AV	359.00	150	Vertical	Pass
2	4941.000	48.62	-1.68	74.0	-25.38	Peak	359.00	150	Vertical	Pass
3**	5796.000	72.40	0.12	--	72.40	AV	110.00	150	Vertical	N/A
3	5796.000	83.65	0.12	--	-26.35	Peak	110.00	150	Vertical	Pass
4**	9272.688	36.61	18.05	--	36.61	AV	111.00	150	Vertical	N/A
4	9272.688	52.34	18.05	68.2	-15.86	Peak	111.00	150	Vertical	Pass
5**	12557.375	40.29	21.87	54.0	-13.71	AV	360.00	150	Vertical	Pass
5	12557.375	56.72	21.87	74.0	-17.28	Peak	360.00	150	Vertical	Pass
6**	17636.438	44.84	29.58	--	44.84	AV	76.00	150	Vertical	N/A
6	17636.438	60.59	29.58	68.2	-7.61	Peak	76.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11n40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	28.83	-15.12	54.0	-25.17	AV	211.00	150	Horizontal	Pass
1	1380.000	37.41	-15.12	74.0	-36.59	Peak	211.00	150	Horizontal	Pass
2**	5057.000	37.34	-0.96	54.0	-16.66	AV	41.00	150	Horizontal	Pass
2	5057.000	49.89	-0.96	74.0	-24.11	Peak	41.00	150	Horizontal	Pass
3**	5790.000	70.48	0.33	--	70.48	AV	357.00	150	Horizontal	N/A
3	5790.000	78.44	0.33	--	-278.56	Peak	357.00	150	Horizontal	Pass
4**	11667.562	37.47	20.40	54.0	-16.53	AV	360.00	150	Horizontal	Pass
4	11667.562	53.82	20.40	74.0	-20.18	Peak	360.00	150	Horizontal	Pass
5**	15301.500	40.25	25.27	--	40.25	AV	357.00	150	Horizontal	N/A
5	15301.500	55.98	25.27	68.2	-12.22	Peak	357.00	150	Horizontal	Pass
6**	17598.376	44.27	29.61	--	44.27	AV	189.00	150	Horizontal	N/A
6	17598.376	61.14	29.61	68.2	-7.06	Peak	189.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band I 11ac20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1323.500	33.31	-18.39	54.0	-20.69	AV	0.00	150	Vertical	Pass
1	1323.500	35.70	-18.39	74.0	-38.30	Peak	0.00	150	Vertical	Pass
2**	2995.500	39.08	-11.98	--	39.08	AV	317.00	150	Vertical	N/A
2	2995.500	41.64	-11.98	68.2	-26.56	Peak	317.00	150	Vertical	Pass
3**	3968.000	39.06	-6.91	54.0	-14.94	AV	332.00	150	Vertical	Pass
3	3968.000	45.04	-6.91	74.0	-28.96	Peak	332.00	150	Vertical	Pass
4**	5179.000	86.09	-4.62	--	86.09	AV	169.00	150	Vertical	N/A
4	5179.000	90.28	-4.62	--	-78.72	Peak	169.00	150	Vertical	Pass
5**	6667.000	45.76	-0.34	--	45.76	AV	360.00	150	Vertical	N/A
5	6667.000	51.36	-0.34	68.2	-16.84	Peak	360.00	150	Vertical	Pass
6**	15539.063	47.52	-1.53	54.0	-6.48	AV	128.00	150	Vertical	Pass
6	15539.063	53.09	-1.53	74.0	-20.91	Peak	128.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11ac20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	35.95	-18.22	54.0	-18.05	AV	45.00	150	Horizontal	Pass
1	1379.500	37.70	-18.22	74.0	-36.30	Peak	45.00	150	Horizontal	Pass
2**	2609.000	37.84	-13.24	--	37.84	AV	331.00	150	Horizontal	N/A
2	2609.000	40.09	-13.24	68.2	-28.11	Peak	331.00	150	Horizontal	Pass
3**	4340.000	40.32	-6.01	54.0	-13.68	AV	85.00	150	Horizontal	Pass
3	4340.000	46.35	-6.01	74.0	-27.65	Peak	85.00	150	Horizontal	Pass
4**	5177.000	95.56	-4.27	--	95.56	AV	0.00	150	Horizontal	N/A
4	5177.000	150.49	-4.27	--	150.49	Peak	0.00	150	Horizontal	N/A
5**	11903.313	41.35	-0.93	54.0	-12.65	AV	0.00	150	Horizontal	Pass
5	11903.313	49.31	-0.93	74.0	-24.69	Peak	0.00	150	Horizontal	Pass
6**	15531.187	45.61	-1.30	54.0	-8.39	AV	9.00	150	Horizontal	Pass
6	15531.187	52.34	-1.30	74.0	-21.66	Peak	9.00	150	Horizontal	Pass



## 1 GHz to 40 GHz, ANT V Band I 11ac20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1322.000	33.08	-18.72	54.0	-20.92	AV	152.00	150	Vertical	Pass
1	1322.000	35.43	-18.72	74.0	-38.57	Peak	152.00	150	Vertical	Pass
2**	2771.000	39.78	-12.32	54.0	-14.22	AV	0.00	150	Vertical	Pass
2	2771.000	41.98	-12.32	74.0	-32.02	Peak	0.00	150	Vertical	Pass
3**	3989.000	38.81	-5.62	54.0	-15.19	AV	116.00	150	Vertical	Pass
3	3989.000	45.17	-5.62	74.0	-28.83	Peak	116.00	150	Vertical	Pass
4**	5222.000	88.15	-4.72	--	88.15	AV	163.00	150	Vertical	N/A
4	5222.000	91.13	-4.72	--	-71.87	Peak	163.00	150	Vertical	Pass
5**	6989.000	45.69	-0.84	--	45.69	AV	151.00	150	Vertical	N/A
5	6989.000	51.37	-0.84	68.2	-16.83	Peak	151.00	150	Vertical	Pass
6**	15661.125	45.23	-2.10	54.0	-8.77	AV	183.00	150	Vertical	Pass
6	15661.125	52.24	-2.10	74.0	-21.76	Peak	183.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11ac20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	35.26	-18.37	54.0	-18.74	AV	51.00	150	Horizontal	Pass
1	1380.000	37.82	-18.37	74.0	-36.18	Peak	51.00	150	Horizontal	Pass
2**	2597.500	38.41	-13.43	--	38.41	AV	258.00	150	Horizontal	N/A
2	2597.500	41.07	-13.43	68.2	-27.13	Peak	258.00	150	Horizontal	Pass
3**	3978.000	38.61	-6.43	54.0	-15.39	AV	52.00	150	Horizontal	Pass
3	3978.000	44.70	-6.43	74.0	-29.30	Peak	52.00	150	Horizontal	Pass
4**	5221.000	96.68	-4.67	--	96.68	AV	360.00	150	Horizontal	N/A
4	5221.000	150.92	-4.67	--	-259.08	Peak	360.00	150	Horizontal	Pass
5**	6674.000	46.99	-0.31	--	46.99	AV	225.00	150	Horizontal	N/A
5	6674.000	51.15	-0.31	68.2	-17.05	Peak	225.00	150	Horizontal	Pass
6**	15658.500	45.94	-2.11	54.0	-8.06	AV	18.00	150	Horizontal	Pass
6	15658.500	52.82	-2.11	74.0	-21.18	Peak	18.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band I 11ac20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	34.63	-18.22	54.0	-19.37	AV	245.00	150	Vertical	Pass
1	1379.500	36.12	-18.22	74.0	-37.88	Peak	245.00	150	Vertical	Pass
2**	3070.000	37.67	-10.38	--	37.67	AV	109.00	150	Vertical	N/A
2	3070.000	41.97	-10.38	68.2	-26.23	Peak	109.00	150	Vertical	Pass
3**	4096.000	40.89	-7.07	54.0	-13.11	AV	360.00	150	Vertical	Pass
3	4096.000	45.93	-7.07	74.0	-28.07	Peak	360.00	150	Vertical	Pass
4**	5239.000	88.15	-4.85	--	88.15	AV	170.00	150	Vertical	N/A
4	5239.000	92.54	-4.85	--	-77.46	Peak	170.00	150	Vertical	Pass
5**	6675.000	45.99	-0.35	--	45.99	AV	328.00	150	Vertical	N/A
5	6675.000	51.14	-0.35	68.2	-17.06	Peak	328.00	150	Vertical	Pass
6**	15718.875	47.41	-2.39	54.0	-6.59	AV	127.00	150	Vertical	Pass
6	15718.875	54.79	-2.39	74.0	-19.21	Peak	127.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11ac20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	35.77	-18.22	54.0	-18.23	AV	41.00	150	Horizontal	Pass
1	1379.500	37.29	-18.22	74.0	-36.71	Peak	41.00	150	Horizontal	Pass
2**	2958.500	37.09	-11.04	--	37.09	AV	63.00	150	Horizontal	N/A
2	2958.500	41.33	-11.04	68.2	-26.87	Peak	63.00	150	Horizontal	Pass
3**	4801.000	42.37	-4.87	54.0	-11.63	AV	102.00	150	Horizontal	Pass
3	4801.000	47.21	-4.87	74.0	-26.79	Peak	102.00	150	Horizontal	Pass
4**	5243.000	96.68	-4.73	--	96.68	AV	360.00	150	Horizontal	N/A
4	5243.000	150.60	-4.73	--	-259.40	Peak	360.00	150	Horizontal	Pass
5**	6660.000	45.08	-0.62	--	45.08	AV	39.00	150	Horizontal	N/A
5	6660.000	50.89	-0.62	68.2	-17.31	Peak	39.00	150	Horizontal	Pass
6**	15728.062	46.53	-2.20	54.0	-7.47	AV	0.00	150	Horizontal	Pass
6	15728.062	53.56	-2.20	74.0	-20.44	Peak	0.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11ac20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	34.03	-18.22	54.0	-19.97	AV	227.00	150	Vertical	Pass
1	1379.500	36.17	-18.22	74.0	-37.83	Peak	227.00	150	Vertical	Pass
2**	3518.000	36.74	-8.83	--	36.74	AV	265.00	150	Vertical	N/A
2	3518.000	43.22	-8.83	68.2	-24.98	Peak	265.00	150	Vertical	Pass
3**	4141.000	39.16	-7.14	54.0	-14.84	AV	227.00	150	Vertical	Pass
3	4141.000	45.47	-7.14	74.0	-28.53	Peak	227.00	150	Vertical	Pass
4**	5261.000	89.26	-4.93	--	89.26	AV	169.00	150	Vertical	N/A
4	5261.000	94.24	-4.93	--	-74.76	Peak	169.00	150	Vertical	Pass
5**	6657.000	44.76	-0.78	--	44.76	AV	169.00	150	Vertical	N/A
5	6657.000	49.99	-0.78	68.2	-18.21	Peak	169.00	150	Vertical	Pass
6**	15783.187	48.64	-1.39	54.0	-5.36	AV	141.00	150	Vertical	Pass
6	15783.187	55.99	-1.39	74.0	-18.01	Peak	141.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11ac20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	35.97	-18.22	54.0	-18.03	AV	52.00	150	Horizontal	Pass
1	1379.500	37.40	-18.22	74.0	-36.60	Peak	52.00	150	Horizontal	Pass
2**	3057.000	35.07	-9.95	--	35.07	AV	99.00	150	Horizontal	N/A
2	3057.000	42.39	-9.95	68.2	-25.81	Peak	99.00	150	Horizontal	Pass
3**	4793.000	41.41	-4.96	54.0	-12.59	AV	118.00	150	Horizontal	Pass
3	4793.000	47.17	-4.96	74.0	-26.83	Peak	118.00	150	Horizontal	Pass
4**	5265.000	97.46	-4.88	--	97.46	AV	0.00	150	Horizontal	N/A
4	5265.000	101.63	-4.88	--	101.63	Peak	0.00	150	Horizontal	N/A
5**	6683.000	45.95	-1.25	--	45.95	AV	62.00	150	Horizontal	N/A
5	6683.000	50.87	-1.25	68.2	-17.33	Peak	62.00	150	Horizontal	Pass
6**	15779.250	49.57	-1.47	54.0	-4.43	AV	12.00	150	Horizontal	Pass
6	15779.250	55.25	-1.47	74.0	-18.75	Peak	12.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11ac20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1312.000	31.95	-18.25	54.0	-22.05	AV	254.00	150	Vertical	Pass
1	1312.000	36.11	-18.25	74.0	-37.89	Peak	254.00	150	Vertical	Pass
2**	1904.500	35.61	-17.25	--	35.61	AV	326.00	150	Vertical	N/A
2	1904.500	37.37	-17.25	68.2	-30.83	Peak	326.00	150	Vertical	Pass
3**	3018.000	37.81	-10.62	--	37.81	AV	148.00	150	Vertical	N/A
3	3018.000	42.14	-10.62	68.2	-26.06	Peak	148.00	150	Vertical	Pass
4**	5301.000	88.97	-5.02	--	88.97	AV	167.00	150	Vertical	N/A
4	5301.000	95.56	-5.02	--	-71.44	Peak	167.00	150	Vertical	Pass
5**	6679.000	46.35	-0.59	--	46.35	AV	186.00	150	Vertical	N/A
5	6679.000	51.23	-0.59	68.2	-16.97	Peak	186.00	150	Vertical	Pass
6**	15896.063	51.26	-2.81	54.0	-2.74	AV	185.00	150	Vertical	Pass
6	15896.063	57.62	-2.81	74.0	-16.38	Peak	185.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11ac20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	36.28	-18.37	54.0	-17.72	AV	38.00	150	Horizontal	Pass
1	1380.000	38.99	-18.37	74.0	-35.01	Peak	38.00	150	Horizontal	Pass
2**	2090.000	37.93	-15.77	--	37.93	AV	240.00	150	Horizontal	N/A
2	2090.000	39.73	-15.77	68.2	-28.47	Peak	240.00	150	Horizontal	Pass
3**	3807.000	40.61	-6.49	54.0	-13.39	AV	241.00	150	Horizontal	Pass
3	3807.000	45.08	-6.49	74.0	-28.92	Peak	241.00	150	Horizontal	Pass
4**	5300.000	98.51	-5.07	--	98.51	AV	0.00	150	Horizontal	N/A
4	5300.000	101.82	-5.07	--	101.82	Peak	0.00	150	Horizontal	N/A
5**	6680.000	46.16	-0.62	--	46.16	AV	123.00	150	Horizontal	N/A
5	6680.000	51.57	-0.62	68.2	-16.63	Peak	123.00	150	Horizontal	Pass
6**	15906.562	50.99	-2.80	54.0	-3.01	AV	2.00	150	Horizontal	Pass
6	15906.562	56.24	-2.80	74.0	-17.76	Peak	2.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11ac20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	34.49	-18.37	54.0	-19.51	AV	109.00	150	Vertical	Pass
1	1380.000	35.97	-18.37	74.0	-38.03	Peak	109.00	150	Vertical	Pass
2**	1835.000	34.61	-17.93	--	34.61	AV	0.00	150	Vertical	N/A
2	1835.000	37.74	-17.93	68.2	-30.46	Peak	0.00	150	Vertical	Pass
3**	4450.000	41.71	-5.78	--	41.71	AV	0.00	150	Vertical	N/A
3	4450.000	46.47	-5.78	68.2	-21.73	Peak	0.00	150	Vertical	Pass
4**	5318.000	91.63	-5.32	--	91.63	AV	158.00	150	Vertical	N/A
4	5318.000	95.82	-5.32	--	-62.18	Peak	158.00	150	Vertical	Pass
5**	6648.000	45.26	-1.96	--	45.26	AV	0.00	150	Vertical	N/A
5	6648.000	50.39	-1.96	68.2	-17.81	Peak	0.00	150	Vertical	Pass
6**	15959.063	50.72	-3.02	54.0	-3.28	AV	176.00	150	Vertical	Pass
6	15959.063	58.77	-3.02	74.0	-15.23	Peak	176.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11ac20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	38.60	-18.22	54.0	-15.40	AV	33.00	150	Horizontal	Pass
1	1379.500	39.98	-18.22	74.0	-34.02	Peak	33.00	150	Horizontal	Pass
2**	3409.000	37.30	-9.02	--	37.30	AV	285.00	150	Horizontal	N/A
2	3409.000	42.63	-9.02	68.2	-25.57	Peak	285.00	150	Horizontal	Pass
3**	3988.000	39.96	-5.64	54.0	-14.04	AV	87.00	150	Horizontal	Pass
3	3988.000	45.40	-5.64	74.0	-28.60	Peak	87.00	150	Horizontal	Pass
4**	5316.000	96.83	-5.24	--	96.83	AV	346.00	150	Horizontal	N/A
4	5316.000	102.16	-5.24	--	-243.84	Peak	346.00	150	Horizontal	Pass
5**	6677.000	45.88	-0.53	--	45.88	AV	7.00	150	Horizontal	N/A
5	6677.000	50.81	-0.53	68.2	-17.39	Peak	7.00	150	Horizontal	Pass
6**	15953.812	49.45	-2.96	54.0	-4.55	AV	11.00	150	Horizontal	Pass
6	15953.812	54.37	-2.96	74.0	-19.63	Peak	11.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11ac20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1454.500	25.92	-14.98	54.0	-28.08	AV	140.00	150	Vertical	Pass
1	1454.500	36.93	-14.98	74.0	-37.07	Peak	140.00	150	Vertical	Pass
2**	4298.000	36.35	-3.67	54.0	-17.65	AV	93.00	150	Vertical	Pass
2	4298.000	46.32	-3.67	74.0	-27.68	Peak	93.00	150	Vertical	Pass
3**	5499.000	77.54	-0.29	--	77.54	AV	103.00	150	Vertical	N/A
3	5499.000	84.72	-0.29	--	-18.28	Peak	103.00	150	Vertical	Pass
4**	8799.750	34.65	17.69	--	34.65	AV	303.00	150	Vertical	N/A
4	8799.750	50.15	17.69	68.2	-18.05	Peak	303.00	150	Vertical	Pass
5**	12620.625	40.10	22.28	54.0	-13.90	AV	0.00	150	Vertical	Pass
5	12620.625	56.12	22.28	74.0	-17.88	Peak	0.00	150	Vertical	Pass
6**	17527.501	44.80	29.96	--	44.80	AV	360.00	150	Vertical	N/A
6	17527.501	59.39	29.96	68.2	-8.81	Peak	360.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11ac20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	30.59	-15.12	54.0	-23.41	AV	80.00	150	Horizontal	Pass
1	1380.000	38.29	-15.12	74.0	-35.71	Peak	80.00	150	Horizontal	Pass
2**	3172.000	32.51	-6.85	--	32.51	AV	2.00	150	Horizontal	N/A
2	3172.000	44.00	-6.85	68.2	-24.20	Peak	2.00	150	Horizontal	Pass
3**	5501.000	71.80	-0.27	--	71.80	AV	154.00	150	Horizontal	N/A
3	5501.000	79.41	-0.27	--	-74.59	Peak	154.00	150	Horizontal	Pass
4**	9154.813	35.08	18.04	54.0	-18.92	AV	86.00	150	Horizontal	Pass
4	9154.813	51.52	18.04	74.0	-22.48	Peak	86.00	150	Horizontal	Pass
5**	12366.188	38.95	21.16	54.0	-15.05	AV	74.00	150	Horizontal	Pass
5	12366.188	55.54	21.16	74.0	-18.46	Peak	74.00	150	Horizontal	Pass
6**	15578.438	41.44	27.31	54.0	-12.56	AV	338.00	150	Horizontal	Pass
6	15578.438	57.73	27.31	74.0	-16.27	Peak	338.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11ac20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2247.000	29.79	-10.92	54.0	-24.21	AV	230.00	150	Vertical	Pass
1	2247.000	41.15	-10.92	74.0	-32.85	Peak	230.00	150	Vertical	Pass
2**	3961.000	34.97	-5.32	54.0	-19.03	AV	254.00	150	Vertical	Pass
2	3961.000	46.32	-5.32	74.0	-27.68	Peak	254.00	150	Vertical	Pass
3**	5583.000	77.34	-0.16	--	77.34	AV	91.00	150	Vertical	N/A
3	5583.000	84.33	-0.16	--	-6.67	Peak	91.00	150	Vertical	Pass
4**	8927.688	33.50	17.43	--	33.50	AV	301.00	150	Vertical	N/A
4	8927.688	51.70	17.43	68.2	-16.50	Peak	301.00	150	Vertical	Pass
5**	11756.687	37.94	20.27	54.0	-16.06	AV	81.00	150	Vertical	Pass
5	11756.687	54.23	20.27	74.0	-19.77	Peak	81.00	150	Vertical	Pass
6**	16218.937	40.73	27.12	--	40.73	AV	238.00	150	Vertical	N/A
6	16218.937	57.19	27.12	68.2	-11.01	Peak	238.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11ac20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	29.16	-15.12	54.0	-24.84	AV	15.00	150	Horizontal	Pass
1	1380.000	37.92	-15.12	74.0	-36.08	Peak	15.00	150	Horizontal	Pass
2**	3220.000	33.73	-6.66	--	33.73	AV	39.00	150	Horizontal	N/A
2	3220.000	44.48	-6.66	68.2	-23.72	Peak	39.00	150	Horizontal	Pass
3**	5579.000	72.76	-0.04	--	72.76	AV	174.00	150	Horizontal	N/A
3	5579.000	79.74	-0.04	--	-94.26	Peak	174.00	150	Horizontal	Pass
4**	6972.000	39.87	4.47	--	39.87	AV	343.00	150	Horizontal	N/A
4	6972.000	51.59	4.47	68.2	-16.61	Peak	343.00	150	Horizontal	Pass
5**	12525.750	39.59	21.22	54.0	-14.41	AV	158.00	150	Horizontal	Pass
5	12525.750	55.69	21.22	74.0	-18.31	Peak	158.00	150	Horizontal	Pass
6**	17670.562	44.28	29.13	--	44.28	AV	278.00	150	Horizontal	N/A
6	17670.562	59.73	29.13	68.2	-8.47	Peak	278.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11ac20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1465.500	25.66	-15.04	54.0	-28.34	AV	226.00	150	Vertical	Pass
1	1465.500	36.88	-15.04	74.0	-37.12	Peak	226.00	150	Vertical	Pass
2**	3006.000	31.93	-7.59	--	31.93	AV	210.00	150	Vertical	N/A
2	3006.000	42.60	-7.59	68.2	-25.60	Peak	210.00	150	Vertical	Pass
3**	5698.000	79.68	-0.49	--	79.68	AV	114.00	150	Vertical	N/A
3	5698.000	87.32	-0.49	--	-26.68	Peak	114.00	150	Vertical	Pass
4**	9252.563	35.08	17.93	--	35.08	AV	342.00	150	Vertical	N/A
4	9252.563	52.08	17.93	68.2	-16.12	Peak	342.00	150	Vertical	Pass
5**	15273.938	40.48	25.24	--	40.48	AV	114.00	150	Vertical	N/A
5	15273.938	56.60	25.24	68.2	-11.60	Peak	114.00	150	Vertical	Pass
6**	17354.250	43.47	28.82	--	43.47	AV	169.00	150	Vertical	N/A
6	17354.250	59.00	28.82	68.2	-9.20	Peak	169.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11ac20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	29.05	-15.12	54.0	-24.95	AV	249.00	150	Horizontal	Pass
1	1380.000	36.71	-15.12	74.0	-37.29	Peak	249.00	150	Horizontal	Pass
2**	3187.000	32.85	-6.21	--	32.85	AV	179.00	150	Horizontal	N/A
2	3187.000	43.64	-6.21	68.2	-24.56	Peak	179.00	150	Horizontal	Pass
3**	5700.000	74.67	-0.61	--	74.67	AV	5.00	150	Horizontal	N/A
3	5700.000	82.43	-0.61	--	77.43	Peak	5.00	150	Horizontal	N/A
4**	8085.313	34.78	17.54	54.0	-19.22	AV	241.00	150	Horizontal	Pass
4	8085.313	51.50	17.54	74.0	-22.50	Peak	241.00	150	Horizontal	Pass
5**	12453.875	40.31	20.91	54.0	-13.69	AV	0.00	150	Horizontal	Pass
5	12453.875	54.91	20.91	74.0	-19.09	Peak	0.00	150	Horizontal	Pass
6**	17477.626	43.92	29.32	--	43.92	AV	0.00	150	Horizontal	N/A
6	17477.626	59.20	29.32	68.2	-9.00	Peak	0.00	150	Horizontal	Pass



## 1 GHz to 40 GHz, ANT V Band IV 11ac20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	27.66	-15.12	54.0	-26.34	AV	212.00	150	Vertical	Pass
1	1380.000	36.96	-15.12	74.0	-37.04	Peak	212.00	150	Vertical	Pass
2**	3970.000	35.15	-5.20	54.0	-18.85	AV	242.00	150	Vertical	Pass
2	3970.000	46.25	-5.20	74.0	-27.75	Peak	242.00	150	Vertical	Pass
3**	5747.000	80.71	-0.18	--	80.71	AV	112.00	150	Vertical	N/A
3	5747.000	86.65	-0.18	--	-25.35	Peak	112.00	150	Vertical	Pass
4**	7615.250	34.42	17.50	54.0	-19.58	AV	360.00	150	Vertical	Pass
4	7615.250	50.61	17.50	74.0	-23.39	Peak	360.00	150	Vertical	Pass
5**	12541.563	40.17	21.72	54.0	-13.83	AV	22.00	150	Vertical	Pass
5	12541.563	55.60	21.72	74.0	-18.40	Peak	22.00	150	Vertical	Pass
6**	17303.063	43.81	28.23	--	43.81	AV	343.00	150	Vertical	N/A
6	17303.063	59.08	28.23	68.2	-9.12	Peak	343.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11ac20 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	30.18	-15.12	54.0	-23.82	AV	361.00	150	Horizontal	Pass
1	1380.000	39.48	-15.12	74.0	-34.52	Peak	361.00	150	Horizontal	Pass
2**	3082.000	32.93	-6.31	--	32.93	AV	4.00	150	Horizontal	N/A
2	3082.000	44.05	-6.31	68.2	-24.15	Peak	4.00	150	Horizontal	Pass
3**	5745.000	73.86	-0.14	--	73.86	AV	359.00	150	Horizontal	N/A
3	5745.000	80.64	-0.14	--	-278.36	Peak	359.00	150	Horizontal	Pass
4**	11237.750	35.57	18.45	54.0	-18.43	AV	341.00	150	Horizontal	Pass
4	11237.750	52.83	18.45	74.0	-21.17	Peak	341.00	150	Horizontal	Pass
5**	12544.437	39.87	21.74	54.0	-14.13	AV	341.00	150	Horizontal	Pass
5	12544.437	56.01	21.74	74.0	-17.99	Peak	341.00	150	Horizontal	Pass
6**	17451.375	43.82	28.87	--	43.82	AV	232.00	150	Horizontal	N/A
6	17451.375	60.18	28.87	68.2	-8.02	Peak	232.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11ac20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	27.94	-15.12	54.0	-26.06	AV	254.00	150	Vertical	Pass
1	1380.000	36.90	-15.12	74.0	-37.10	Peak	254.00	150	Vertical	Pass
2**	3087.000	32.43	-6.60	--	32.43	AV	89.00	150	Vertical	N/A
2	3087.000	43.89	-6.60	68.2	-24.31	Peak	89.00	150	Vertical	Pass
3**	5786.000	80.23	0.39	--	80.23	AV	108.00	150	Vertical	N/A
3	5786.000	87.73	0.39	--	-20.27	Peak	108.00	150	Vertical	Pass
4**	6471.000	40.24	3.27	--	40.24	AV	206.00	150	Vertical	N/A
4	6471.000	52.08	3.27	68.2	-16.12	Peak	206.00	150	Vertical	Pass
5**	12587.563	39.52	21.74	54.0	-14.48	AV	45.00	150	Vertical	Pass
5	12587.563	55.65	21.74	74.0	-18.35	Peak	45.00	150	Vertical	Pass
6**	17387.063	43.89	29.22	--	43.89	AV	291.00	150	Vertical	N/A
6	17387.063	59.53	29.22	68.2	-8.67	Peak	291.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11ac20 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	30.41	-15.12	54.0	-23.59	AV	83.00	150	Horizontal	Pass
1	1380.000	39.29	-15.12	74.0	-34.71	Peak	83.00	150	Horizontal	Pass
2**	3638.000	34.79	-5.08	54.0	-19.21	AV	131.00	150	Horizontal	Pass
2	3638.000	45.85	-5.08	74.0	-28.15	Peak	131.00	150	Horizontal	Pass
3**	5788.000	74.48	0.40	--	74.48	AV	359.00	150	Horizontal	N/A
3	5788.000	81.78	0.40	--	-277.22	Peak	359.00	150	Horizontal	Pass
4**	8098.250	33.95	17.53	54.0	-20.05	AV	268.00	150	Horizontal	Pass
4	8098.250	50.66	17.53	74.0	-23.34	Peak	268.00	150	Horizontal	Pass
5**	15579.750	41.40	27.35	54.0	-12.60	AV	360.00	150	Horizontal	Pass
5	15579.750	57.60	27.35	74.0	-16.40	Peak	360.00	150	Horizontal	Pass
6**	17549.812	45.01	30.16	--	45.01	AV	291.00	150	Horizontal	N/A
6	17549.812	60.78	30.16	68.2	-7.42	Peak	291.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11ac20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1190.500	24.95	-15.14	54.0	-29.05	AV	345.00	150	Vertical	Pass
1	1190.500	37.58	-15.14	74.0	-36.42	Peak	345.00	150	Vertical	Pass
2**	4763.000	36.85	-2.15	54.0	-17.15	AV	105.00	150	Vertical	Pass
2	4763.000	48.10	-2.15	74.0	-25.90	Peak	105.00	150	Vertical	Pass
3**	5824.000	80.17	0.25	--	80.17	AV	105.00	150	Vertical	N/A
3	5824.000	87.19	0.25	--	-17.81	Peak	105.00	150	Vertical	Pass
4**	12462.500	39.50	20.89	54.0	-14.50	AV	19.00	150	Vertical	Pass
4	12462.500	55.39	20.89	74.0	-18.61	Peak	19.00	150	Vertical	Pass
5**	14859.187	40.83	27.13	--	40.83	AV	129.00	150	Vertical	N/A
5	14859.187	55.77	27.13	68.2	-12.43	Peak	129.00	150	Vertical	Pass
6**	17822.812	43.46	28.50	54.0	-10.54	AV	0.00	150	Vertical	Pass
6	17822.812	59.85	28.50	74.0	-14.15	Peak	0.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11ac20 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	27.79	-15.12	54.0	-26.21	AV	219.00	150	Horizontal	Pass
1	1380.000	36.42	-15.12	74.0	-37.58	Peak	219.00	150	Horizontal	Pass
2**	3087.000	32.50	-6.60	--	32.50	AV	161.00	150	Horizontal	N/A
2	3087.000	43.87	-6.60	68.2	-24.33	Peak	161.00	150	Horizontal	Pass
3**	5824.000	73.55	0.25	--	73.55	AV	358.00	150	Horizontal	N/A
3	5824.000	80.13	0.25	--	-277.87	Peak	358.00	150	Horizontal	Pass
4**	8898.938	33.07	16.90	--	33.07	AV	254.00	150	Horizontal	N/A
4	8898.938	50.22	16.90	68.2	-17.98	Peak	254.00	150	Horizontal	Pass
5**	14902.500	40.43	26.87	--	40.43	AV	83.00	150	Horizontal	N/A
5	14902.500	56.62	26.87	68.2	-11.58	Peak	83.00	150	Horizontal	Pass
6**	17594.438	43.72	29.62	--	43.72	AV	89.00	150	Horizontal	N/A
6	17594.438	59.00	29.62	68.2	-9.20	Peak	89.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band I 11ac40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1360.000	33.25	-18.44	54.0	-20.75	AV	151.00	150	Vertical	Pass
1	1360.000	35.85	-18.44	74.0	-38.15	Peak	151.00	150	Vertical	Pass
2**	1985.500	34.64	-16.66	--	34.64	AV	269.00	150	Vertical	N/A
2	1985.500	37.92	-16.66	68.2	-30.28	Peak	269.00	150	Vertical	Pass
3**	4303.000	40.75	-5.50	54.0	-13.25	AV	336.00	150	Vertical	Pass
3	4303.000	45.49	-5.50	74.0	-28.51	Peak	336.00	150	Vertical	Pass
4**	5193.000	83.30	-4.45	--	83.30	AV	164.00	150	Vertical	N/A
4	5193.000	87.57	-4.45	--	-76.43	Peak	164.00	150	Vertical	Pass
5**	6676.000	46.84	-0.45	--	46.84	AV	106.00	150	Vertical	N/A
5	6676.000	51.45	-0.45	68.2	-16.75	Peak	106.00	150	Vertical	Pass
6**	16477.500	44.76	-1.52	--	44.76	AV	299.00	150	Vertical	N/A
6	16477.500	51.53	-1.52	68.2	-16.67	Peak	299.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11ac40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	35.90	-18.37	54.0	-18.10	AV	50.00	150	Horizontal	Pass
1	1380.000	37.85	-18.37	74.0	-36.15	Peak	50.00	150	Horizontal	Pass
2**	2533.000	36.03	-13.57	--	36.03	AV	106.00	150	Horizontal	N/A
2	2533.000	40.97	-13.57	68.2	-27.23	Peak	106.00	150	Horizontal	Pass
3**	4282.000	41.45	-6.54	54.0	-12.55	AV	250.00	150	Horizontal	Pass
3	4282.000	45.55	-6.54	74.0	-28.45	Peak	250.00	150	Horizontal	Pass
4**	5188.000	94.33	-4.39	--	94.33	AV	26.00	150	Horizontal	N/A
4	5188.000	98.52	-4.39	--	72.52	Peak	26.00	150	Horizontal	N/A
5**	6678.000	47.60	-0.56	--	47.60	AV	208.00	150	Horizontal	N/A
5	6678.000	50.81	-0.56	68.2	-17.39	Peak	208.00	150	Horizontal	Pass
6**	15791.062	44.41	-1.19	54.0	-9.59	AV	273.00	150	Horizontal	Pass
6	15791.062	50.75	-1.19	74.0	-23.25	Peak	273.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band I 11ac40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	35.37	-18.37	54.0	-18.63	AV	254.00	150	Vertical	Pass
1	1380.000	37.01	-18.37	74.0	-36.99	Peak	254.00	150	Vertical	Pass
2**	3172.000	37.92	-10.26	--	37.92	AV	176.00	150	Vertical	N/A
2	3172.000	43.59	-10.26	68.2	-24.61	Peak	176.00	150	Vertical	Pass
3**	4286.000	40.06	-6.21	54.0	-13.94	AV	234.00	150	Vertical	Pass
3	4286.000	46.29	-6.21	74.0	-27.71	Peak	234.00	150	Vertical	Pass
4**	5234.000	85.12	-4.77	--	85.12	AV	161.00	150	Vertical	N/A
4	5234.000	88.76	-4.77	--	-72.24	Peak	161.00	150	Vertical	Pass
5**	6674.000	45.21	-0.31	--	45.21	AV	59.00	150	Vertical	N/A
5	6674.000	50.97	-0.31	68.2	-17.23	Peak	59.00	150	Vertical	Pass
6**	17068.125	43.67	-1.35	--	43.67	AV	0.00	150	Vertical	N/A
6	17068.125	51.82	-1.35	68.2	-16.38	Peak	0.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11ac40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	35.09	-18.22	54.0	-18.91	AV	36.00	150	Horizontal	Pass
1	1379.500	37.20	-18.22	74.0	-36.80	Peak	36.00	150	Horizontal	Pass
2**	2220.000	37.39	-14.34	54.0	-16.61	AV	227.00	150	Horizontal	Pass
2	2220.000	40.20	-14.34	74.0	-33.80	Peak	227.00	150	Horizontal	Pass
3**	3681.000	38.06	-6.91	54.0	-15.94	AV	360.00	150	Horizontal	Pass
3	3681.000	44.81	-6.91	74.0	-29.19	Peak	360.00	150	Horizontal	Pass
4**	5232.000	94.85	-4.81	--	94.85	AV	350.00	150	Horizontal	N/A
4	5232.000	99.45	-4.81	--	-250.55	Peak	350.00	150	Horizontal	Pass
5**	6672.000	46.76	-0.24	--	46.76	AV	63.00	150	Horizontal	N/A
5	6672.000	51.68	-0.24	68.2	-16.52	Peak	63.00	150	Horizontal	Pass
6**	15623.063	43.12	-1.54	54.0	-10.88	AV	42.00	150	Horizontal	Pass
6	15623.063	51.12	-1.54	74.0	-22.88	Peak	42.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11ac40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1260.000	33.05	-18.71	--	33.05	AV	106.00	150	Vertical	N/A
1	1260.000	35.70	-18.71	68.2	-32.50	Peak	106.00	150	Vertical	Pass
2**	2066.500	34.56	-15.77	--	34.56	AV	360.00	150	Vertical	N/A
2	2066.500	39.03	-15.77	68.2	-29.17	Peak	360.00	150	Vertical	Pass
3**	3661.000	38.88	-7.72	54.0	-15.12	AV	151.00	150	Vertical	Pass
3	3661.000	45.14	-7.72	74.0	-28.86	Peak	151.00	150	Vertical	Pass
4**	5267.000	87.85	-4.80	--	87.85	AV	173.00	150	Vertical	N/A
4	5267.000	92.15	-4.80	--	-80.85	Peak	173.00	150	Vertical	Pass
5**	6675.000	46.17	-0.35	--	46.17	AV	0.00	150	Vertical	N/A
5	6675.000	50.75	-0.35	68.2	-17.45	Peak	0.00	150	Vertical	Pass
6**	15808.125	47.84	-1.26	54.0	-6.16	AV	204.00	150	Vertical	Pass
6	15808.125	53.54	-1.26	74.0	-20.46	Peak	204.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11ac40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	37.30	-18.22	54.0	-16.70	AV	23.00	150	Horizontal	Pass
1	1379.500	38.84	-18.22	74.0	-35.16	Peak	23.00	150	Horizontal	Pass
2**	3209.000	36.31	-9.45	--	36.31	AV	55.00	150	Horizontal	N/A
2	3209.000	43.80	-9.45	68.2	-24.40	Peak	55.00	150	Horizontal	Pass
3**	4139.000	38.65	-7.29	54.0	-15.35	AV	0.00	150	Horizontal	Pass
3	4139.000	46.01	-7.29	74.0	-27.99	Peak	0.00	150	Horizontal	Pass
4**	5265.000	96.85	-4.88	--	96.85	AV	356.00	150	Horizontal	N/A
4	5265.000	150.82	-4.88	--	-255.18	Peak	356.00	150	Horizontal	Pass
5**	6681.000	45.88	-0.64	--	45.88	AV	80.00	150	Horizontal	N/A
5	6681.000	51.27	-0.64	68.2	-16.93	Peak	80.00	150	Horizontal	Pass
6**	15804.188	47.14	-1.12	54.0	-6.86	AV	0.00	150	Horizontal	Pass
6	15804.188	53.35	-1.12	74.0	-20.65	Peak	0.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11ac40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	35.55	-18.22	54.0	-18.45	AV	107.00	150	Vertical	Pass
1	1379.500	37.18	-18.22	74.0	-36.82	Peak	107.00	150	Vertical	Pass
2**	3150.000	36.06	-9.84	--	36.06	AV	203.00	150	Vertical	N/A
2	3150.000	43.44	-9.84	68.2	-24.76	Peak	203.00	150	Vertical	Pass
3**	4653.000	42.82	-5.12	54.0	-11.18	AV	356.00	150	Vertical	Pass
3	4653.000	47.47	-5.12	74.0	-26.53	Peak	356.00	150	Vertical	Pass
4**	5308.000	88.60	-5.15	--	88.60	AV	159.00	150	Vertical	N/A
4	5308.000	92.94	-5.15	--	-66.06	Peak	159.00	150	Vertical	Pass
5**	6674.000	46.98	-0.31	--	46.98	AV	115.00	150	Vertical	N/A
5	6674.000	51.68	-0.31	68.2	-16.52	Peak	115.00	150	Vertical	Pass
6**	15931.500	51.06	-2.77	54.0	-2.94	AV	59.00	150	Vertical	Pass
6	15931.500	54.69	-2.77	74.0	-19.31	Peak	59.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11ac40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	37.48	-18.22	54.0	-16.52	AV	45.00	150	Horizontal	Pass
1	1379.500	38.64	-18.22	74.0	-35.36	Peak	45.00	150	Horizontal	Pass
2**	3213.000	37.31	-9.52	--	37.31	AV	357.00	150	Horizontal	N/A
2	3213.000	42.45	-9.52	68.2	-25.75	Peak	357.00	150	Horizontal	Pass
3**	4460.000	40.30	-5.96	--	40.30	AV	184.00	150	Horizontal	N/A
3	4460.000	46.49	-5.96	68.2	-21.71	Peak	184.00	150	Horizontal	Pass
4**	5305.000	97.05	-5.11	--	97.05	AV	357.00	150	Horizontal	N/A
4	5305.000	150.83	-5.11	--	-256.17	Peak	357.00	150	Horizontal	Pass
5**	6671.000	45.60	-0.15	--	45.60	AV	0.00	150	Horizontal	N/A
5	6671.000	50.60	-0.15	68.2	-17.60	Peak	0.00	150	Horizontal	Pass
6**	15439.313	44.86	-0.56	54.0	-9.14	AV	85.00	150	Horizontal	Pass
6	15439.313	50.78	-0.56	74.0	-23.22	Peak	85.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11ac40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1579.000	25.99	-15.55	54.0	-28.01	AV	229.00	150	Vertical	Pass
1	1579.000	37.47	-15.55	74.0	-36.53	Peak	229.00	150	Vertical	Pass
2**	3084.000	33.14	-6.48	--	33.14	AV	121.00	150	Vertical	N/A
2	3084.000	43.26	-6.48	68.2	-24.94	Peak	121.00	150	Vertical	Pass
3**	5517.000	73.96	0.23	--	73.96	AV	26.00	150	Vertical	N/A
3	5517.000	80.76	0.23	--	54.76	Peak	26.00	150	Vertical	N/A
4**	8815.563	33.48	17.11	--	33.48	AV	99.00	150	Vertical	N/A
4	8815.563	51.19	17.11	68.2	-17.01	Peak	99.00	150	Vertical	Pass
5**	12629.250	39.71	22.13	54.0	-14.29	AV	84.00	150	Vertical	Pass
5	12629.250	55.36	22.13	74.0	-18.64	Peak	84.00	150	Vertical	Pass
6**	17624.625	44.48	29.46	--	44.48	AV	360.00	150	Vertical	N/A
6	17624.625	60.11	29.46	68.2	-8.09	Peak	360.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11ac40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	30.09	-15.12	54.0	-23.91	AV	70.00	150	Horizontal	Pass
1	1380.000	38.76	-15.12	74.0	-35.24	Peak	70.00	150	Horizontal	Pass
2**	3001.000	31.89	-7.80	--	31.89	AV	338.00	150	Horizontal	N/A
2	3001.000	43.58	-7.80	68.2	-24.62	Peak	338.00	150	Horizontal	Pass
3**	5515.000	69.81	0.14	--	69.81	AV	156.00	150	Horizontal	N/A
3	5515.000	76.69	0.14	--	-79.31	Peak	156.00	150	Horizontal	Pass
4**	9847.687	34.26	16.82	--	34.26	AV	85.00	150	Horizontal	N/A
4	9847.687	50.97	16.82	68.2	-17.23	Peak	85.00	150	Horizontal	Pass
5**	14923.500	41.31	27.49	--	41.31	AV	322.00	150	Horizontal	N/A
5	14923.500	57.36	27.49	68.2	-10.84	Peak	322.00	150	Horizontal	Pass
6**	17675.813	44.38	29.11	--	44.38	AV	202.00	150	Horizontal	N/A
6	17675.813	59.86	29.11	68.2	-8.34	Peak	202.00	150	Horizontal	Pass



## 1 GHz to 40 GHz, ANT V Band III 11ac40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.500	29.98	-15.09	54.0	-24.02	AV	205.00	150	Vertical	Pass
1	1380.500	36.37	-15.09	74.0	-37.63	Peak	205.00	150	Vertical	Pass
2**	3850.000	33.78	-5.39	54.0	-20.22	AV	28.00	150	Vertical	Pass
2	3850.000	45.69	-5.39	74.0	-28.31	Peak	28.00	150	Vertical	Pass
3**	5676.000	76.20	0.15	--	76.20	AV	248.00	150	Vertical	N/A
3	5676.000	83.31	0.15	--	-164.69	Peak	248.00	150	Vertical	Pass
4**	9071.438	34.99	18.31	54.0	-19.01	AV	91.00	150	Vertical	Pass
4	9071.438	52.05	18.31	74.0	-21.95	Peak	91.00	150	Vertical	Pass
5**	12534.375	40.08	21.52	54.0	-13.92	AV	106.00	150	Vertical	Pass
5	12534.375	55.28	21.52	74.0	-18.72	Peak	106.00	150	Vertical	Pass
6**	17661.374	44.58	29.16	--	44.58	AV	258.00	150	Vertical	N/A
6	17661.374	59.69	29.16	68.2	-8.51	Peak	258.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11ac40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	29.68	-15.12	54.0	-24.32	AV	8.00	150	Horizontal	Pass
1	1380.000	37.94	-15.12	74.0	-36.06	Peak	8.00	150	Horizontal	Pass
2**	3220.000	33.01	-6.66	--	33.01	AV	0.00	150	Horizontal	N/A
2	3220.000	43.97	-6.66	68.2	-24.23	Peak	0.00	150	Horizontal	Pass
3**	5665.000	71.45	-0.56	--	71.45	AV	8.00	150	Horizontal	N/A
3	5665.000	78.96	-0.56	--	70.96	Peak	8.00	150	Horizontal	N/A
4**	9896.563	35.96	18.42	--	35.96	AV	360.00	150	Horizontal	N/A
4	9896.563	51.82	18.42	68.2	-16.38	Peak	360.00	150	Horizontal	Pass
5**	14851.313	41.36	27.01	--	41.36	AV	1.00	150	Horizontal	N/A
5	14851.313	57.48	27.01	68.2	-10.72	Peak	1.00	150	Horizontal	Pass
6**	17510.437	44.13	29.46	--	44.13	AV	220.00	150	Horizontal	N/A
6	17510.437	59.97	29.46	68.2	-8.23	Peak	220.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11ac40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	27.68	-15.12	54.0	-26.32	AV	265.00	150	Vertical	Pass
1	1380.000	36.66	-15.12	74.0	-37.34	Peak	265.00	150	Vertical	Pass
2**	2360.500	29.03	-10.82	54.0	-24.97	AV	123.00	150	Vertical	Pass
2	2360.500	40.75	-10.82	74.0	-33.25	Peak	123.00	150	Vertical	Pass
3**	5757.000	76.82	-0.08	--	76.82	AV	99.00	150	Vertical	N/A
3	5757.000	84.13	-0.08	--	-14.87	Peak	99.00	150	Vertical	Pass
4**	9896.563	35.75	18.42	--	35.75	AV	307.00	150	Vertical	N/A
4	9896.563	51.51	18.42	68.2	-16.69	Peak	307.00	150	Vertical	Pass
5**	15280.500	40.84	25.81	--	40.84	AV	136.00	150	Vertical	N/A
5	15280.500	58.20	25.81	68.2	-10.00	Peak	136.00	150	Vertical	Pass
6**	17545.875	44.83	30.25	--	44.83	AV	18.00	150	Vertical	N/A
6	17545.875	60.92	30.25	68.2	-7.28	Peak	18.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11ac40 Low channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	28.37	-15.12	54.0	-25.63	AV	360.00	150	Horizontal	Pass
1	1380.000	37.40	-15.12	74.0	-36.60	Peak	360.00	150	Horizontal	Pass
2**	3220.000	33.36	-6.66	--	33.36	AV	18.00	150	Horizontal	N/A
2	3220.000	45.11	-6.66	68.2	-23.09	Peak	18.00	150	Horizontal	Pass
3**	5757.000	70.19	-0.08	--	70.19	AV	357.00	150	Horizontal	N/A
3	5757.000	77.17	-0.08	--	-279.83	Peak	357.00	150	Horizontal	Pass
4**	11973.750	38.50	20.54	54.0	-15.50	AV	295.00	150	Horizontal	Pass
4	11973.750	54.63	20.54	74.0	-19.37	Peak	295.00	150	Horizontal	Pass
5**	14823.750	41.11	26.82	--	41.11	AV	186.00	150	Horizontal	N/A
5	14823.750	57.15	26.82	68.2	-11.05	Peak	186.00	150	Horizontal	Pass
6**	17652.187	44.30	29.30	--	44.30	AV	118.00	150	Horizontal	N/A
6	17652.187	60.33	29.30	68.2	-7.87	Peak	118.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11ac40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	27.84	-15.12	54.0	-26.16	AV	269.00	150	Vertical	Pass
1	1380.000	37.10	-15.12	74.0	-36.90	Peak	269.00	150	Vertical	Pass
2**	4036.000	35.23	-4.70	54.0	-18.77	AV	226.00	150	Vertical	Pass
2	4036.000	45.74	-4.70	74.0	-28.26	Peak	226.00	150	Vertical	Pass
3**	5796.000	72.07	0.12	--	72.07	AV	96.00	150	Vertical	N/A
3	5796.000	84.01	0.12	--	-11.99	Peak	96.00	150	Vertical	Pass
4**	8058.000	34.80	18.24	54.0	-19.20	AV	258.00	150	Vertical	Pass
4	8058.000	52.47	18.24	74.0	-21.53	Peak	258.00	150	Vertical	Pass
5**	14164.875	37.28	24.60	--	37.28	AV	61.00	150	Vertical	N/A
5	14164.875	53.95	24.60	68.2	-14.25	Peak	61.00	150	Vertical	Pass
6**	17406.751	43.49	28.84	--	43.49	AV	31.00	150	Vertical	N/A
6	17406.751	59.52	28.84	68.2	-8.68	Peak	31.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11ac40 High channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	31.02	-15.12	54.0	-22.98	AV	297.00	150	Horizontal	Pass
1	1380.000	38.67	-15.12	74.0	-35.33	Peak	297.00	150	Horizontal	Pass
2**	4456.000	35.92	-2.80	--	35.92	AV	70.00	150	Horizontal	N/A
2	4456.000	47.59	-2.80	68.2	-20.61	Peak	70.00	150	Horizontal	Pass
3**	5797.000	70.95	0.16	--	70.95	AV	0.00	150	Horizontal	N/A
3	5797.000	78.46	0.16	--	78.46	Peak	0.00	150	Horizontal	N/A
4**	12304.375	39.29	21.71	54.0	-14.71	AV	24.00	150	Horizontal	Pass
4	12304.375	55.00	21.71	74.0	-19.00	Peak	24.00	150	Horizontal	Pass
5**	15676.875	39.93	25.88	54.0	-14.07	AV	308.00	150	Horizontal	Pass
5	15676.875	56.68	25.88	74.0	-17.32	Peak	308.00	150	Horizontal	Pass
6**	17492.062	43.74	29.28	--	43.74	AV	355.00	150	Horizontal	N/A
6	17492.062	59.38	29.28	68.2	-8.82	Peak	355.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band I 11ac80 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	35.28	-18.22	54.0	-18.72	AV	254.00	150	Vertical	Pass
1	1379.500	36.88	-18.22	74.0	-37.12	Peak	254.00	150	Vertical	Pass
2**	2855.000	39.63	-11.63	54.0	-14.37	AV	339.00	150	Vertical	Pass
2	2855.000	41.61	-11.63	74.0	-32.39	Peak	339.00	150	Vertical	Pass
3**	4836.000	41.05	-4.60	54.0	-12.95	AV	302.00	150	Vertical	Pass
3	4836.000	48.75	-4.60	74.0	-25.25	Peak	302.00	150	Vertical	Pass
4**	5241.000	79.77	-4.85	--	79.77	AV	163.00	150	Vertical	N/A
4	5241.000	84.90	-4.85	--	-78.10	Peak	163.00	150	Vertical	Pass
5**	6669.000	45.96	-0.24	--	45.96	AV	0.00	150	Vertical	N/A
5	6669.000	51.36	-0.24	68.2	-16.84	Peak	0.00	150	Vertical	Pass
6**	16389.562	44.66	-0.58	--	44.66	AV	345.00	150	Vertical	N/A
6	16389.562	51.32	-0.58	68.2	-16.88	Peak	345.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band I 11ac80 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	38.66	-18.22	54.0	-15.34	AV	48.00	150	Horizontal	Pass
1	1379.500	40.12	-18.22	74.0	-33.88	Peak	48.00	150	Horizontal	Pass
2**	2666.000	39.39	-12.97	--	39.39	AV	342.00	150	Horizontal	N/A
2	2666.000	40.87	-12.97	68.2	-27.33	Peak	342.00	150	Horizontal	Pass
3**	3695.000	38.42	-7.89	54.0	-15.58	AV	29.00	150	Horizontal	Pass
3	3695.000	45.38	-7.89	74.0	-28.62	Peak	29.00	150	Horizontal	Pass
4**	5212.000	92.25	-4.75	--	92.25	AV	0.00	150	Horizontal	N/A
4	5212.000	97.90	-4.75	--	97.90	Peak	0.00	150	Horizontal	N/A
5**	6674.000	45.69	-0.31	--	45.69	AV	151.00	150	Horizontal	N/A
5	6674.000	50.44	-0.31	68.2	-17.76	Peak	151.00	150	Horizontal	Pass
6**	15444.563	44.38	-0.61	54.0	-9.62	AV	54.00	150	Horizontal	Pass
6	15444.563	51.36	-0.61	74.0	-22.64	Peak	54.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band II 11ac80 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1349.500	32.44	-18.33	54.0	-21.56	AV	49.00	150	Vertical	Pass
1	1349.500	35.18	-18.33	74.0	-38.82	Peak	49.00	150	Vertical	Pass
2**	1879.500	35.94	-17.75	--	35.94	AV	161.00	150	Vertical	N/A
2	1879.500	37.81	-17.75	68.2	-30.39	Peak	161.00	150	Vertical	Pass
3**	4304.000	41.20	-5.60	54.0	-12.80	AV	207.00	150	Vertical	Pass
3	4304.000	45.86	-5.60	74.0	-28.14	Peak	207.00	150	Vertical	Pass
4**	5287.000	85.22	-4.49	--	85.22	AV	117.00	150	Vertical	N/A
4	5287.000	89.82	-4.49	--	-27.18	Peak	117.00	150	Vertical	Pass
5**	6668.000	47.01	-0.31	--	47.01	AV	0.00	150	Vertical	N/A
5	6668.000	51.58	-0.31	68.2	-16.62	Peak	0.00	150	Vertical	Pass
6**	15880.313	47.02	-2.67	54.0	-6.98	AV	178.00	150	Vertical	Pass
6	15880.313	53.24	-2.67	74.0	-20.76	Peak	178.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band II 11ac80 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	37.45	-18.37	54.0	-16.55	AV	47.00	150	Horizontal	Pass
1	1380.000	39.01	-18.37	74.0	-34.99	Peak	47.00	150	Horizontal	Pass
2**	3181.000	38.29	-10.06	--	38.29	AV	87.00	150	Horizontal	N/A
2	3181.000	42.84	-10.06	68.2	-25.36	Peak	87.00	150	Horizontal	Pass
3**	4616.000	41.09	-5.18	54.0	-12.91	AV	355.00	150	Horizontal	Pass
3	4616.000	47.00	-5.18	74.0	-27.00	Peak	355.00	150	Horizontal	Pass
4**	5287.000	95.20	-4.49	--	95.20	AV	355.00	150	Horizontal	N/A
4	5287.000	99.64	-4.49	--	-255.36	Peak	355.00	150	Horizontal	Pass
5**	6671.000	45.92	-0.15	--	45.92	AV	200.00	150	Horizontal	N/A
5	6671.000	51.85	-0.15	68.2	-16.35	Peak	200.00	150	Horizontal	Pass
6**	15898.687	47.48	-2.83	54.0	-6.52	AV	258.00	150	Horizontal	Pass
6	15898.687	52.24	-2.83	74.0	-21.76	Peak	258.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band III 11ac80 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1379.500	25.96	-15.15	54.0	-28.04	AV	184.00	150	Vertical	Pass
1	1379.500	37.31	-15.15	74.0	-36.69	Peak	184.00	150	Vertical	Pass
2**	3145.000	32.00	-7.51	--	32.00	AV	216.00	150	Vertical	N/A
2	3145.000	43.80	-7.51	68.2	-24.40	Peak	216.00	150	Vertical	Pass
3**	5532.000	71.41	-0.08	--	71.41	AV	96.00	150	Vertical	N/A
3	5532.000	78.55	-0.08	--	-17.45	Peak	96.00	150	Vertical	Pass
4**	7373.750	33.61	16.28	54.0	-20.39	AV	124.00	150	Vertical	Pass
4	7373.750	50.27	16.28	74.0	-23.73	Peak	124.00	150	Vertical	Pass
5**	12557.375	40.10	21.87	54.0	-13.90	AV	16.00	150	Vertical	Pass
5	12557.375	55.35	21.87	74.0	-18.65	Peak	16.00	150	Vertical	Pass
6**	17304.375	44.06	28.24	--	44.06	AV	360.00	150	Vertical	N/A
6	17304.375	59.76	28.24	68.2	-8.44	Peak	360.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band III 11ac80 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	29.61	-15.12	54.0	-24.39	AV	10.00	150	Horizontal	Pass
1	1380.000	38.66	-15.12	74.0	-35.34	Peak	10.00	150	Horizontal	Pass
2**	3219.000	32.74	-6.78	--	32.74	AV	28.00	150	Horizontal	N/A
2	3219.000	45.33	-6.78	68.2	-22.87	Peak	28.00	150	Horizontal	Pass
3**	5528.000	66.85	-0.19	--	66.85	AV	90.00	150	Horizontal	N/A
3	5528.000	74.49	-0.19	--	-15.51	Peak	90.00	150	Horizontal	Pass
4**	6481.000	40.42	3.38	--	40.42	AV	287.00	150	Horizontal	N/A
4	6481.000	52.17	3.38	68.2	-16.03	Peak	287.00	150	Horizontal	Pass
5**	14827.688	40.50	26.81	--	40.50	AV	256.00	150	Horizontal	N/A
5	14827.688	56.70	26.81	68.2	-11.50	Peak	256.00	150	Horizontal	Pass
6**	17481.562	44.38	29.38	--	44.38	AV	139.00	150	Horizontal	N/A
6	17481.562	59.59	29.38	68.2	-8.61	Peak	139.00	150	Horizontal	Pass

## 1 GHz to 40 GHz, ANT V Band IV 11ac80 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2325.500	29.58	-10.58	54.0	-24.42	AV	361.00	150	Vertical	Pass
1	2325.500	40.95	-10.58	74.0	-33.05	Peak	361.00	150	Vertical	Pass
2**	3680.000	33.47	-5.18	54.0	-20.53	AV	268.00	150	Vertical	Pass
2	3680.000	45.33	-5.18	74.0	-28.67	Peak	268.00	150	Vertical	Pass
3**	5773.000	74.57	-0.04	--	74.57	AV	105.00	150	Vertical	N/A
3	5773.000	81.20	-0.04	--	-23.80	Peak	105.00	150	Vertical	Pass
4**	12635.000	39.65	22.03	54.0	-14.35	AV	232.00	150	Vertical	Pass
4	12635.000	55.31	22.03	74.0	-18.69	Peak	232.00	150	Vertical	Pass
5**	15276.562	40.31	25.49	--	40.31	AV	71.00	150	Vertical	N/A
5	15276.562	56.12	25.49	68.2	-12.08	Peak	71.00	150	Vertical	Pass
6**	17308.312	43.33	28.26	--	43.33	AV	334.00	150	Vertical	N/A
6	17308.312	58.67	28.26	68.2	-9.53	Peak	334.00	150	Vertical	Pass

## 1 GHz to 40 GHz, ANT H Band IV 11ac80 Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1380.000	28.67	-15.12	54.0	-25.33	AV	78.00	150	Horizontal	Pass
1	1380.000	36.72	-15.12	74.0	-37.28	Peak	78.00	150	Horizontal	Pass
2**	3220.000	33.66	-6.66	--	33.66	AV	23.00	150	Horizontal	N/A
2	3220.000	45.23	-6.66	68.2	-22.97	Peak	23.00	150	Horizontal	Pass
3**	5783.000	67.81	0.31	--	67.81	AV	0.00	150	Horizontal	N/A
3	5783.000	76.12	0.31	--	76.12	Peak	0.00	150	Horizontal	N/A
4**	9141.875	35.07	18.65	54.0	-18.93	AV	349.00	150	Horizontal	Pass
4	9141.875	51.45	18.65	74.0	-22.55	Peak	349.00	150	Horizontal	Pass
5**	12629.250	39.70	22.13	54.0	-14.30	AV	17.00	150	Horizontal	Pass
5	12629.250	55.88	22.13	74.0	-18.12	Peak	17.00	150	Horizontal	Pass
6**	17299.124	43.42	28.20	--	43.42	AV	158.00	150	Horizontal	N/A
6	17299.124	58.77	28.20	68.2	-9.43	Peak	158.00	150	Horizontal	Pass

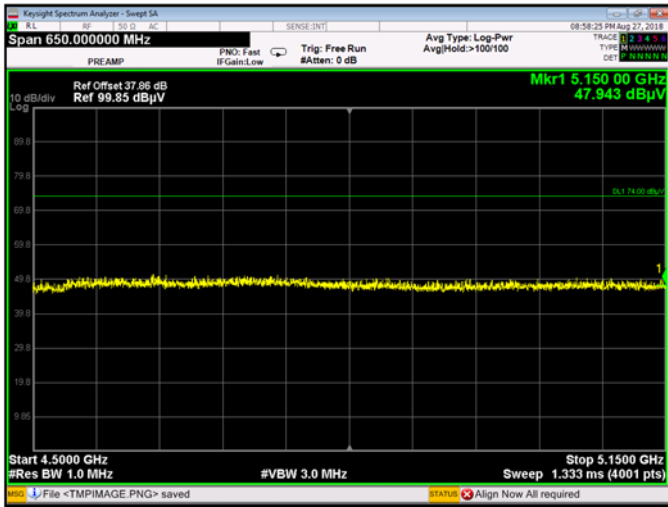
## A.7.2 Band Edge (Restricted-band)

Test Band	Mode	Channel	Verdict	
Band I/ Band II	802.11a	Low	Pass	
		High	Pass	
	802.11n(HT20)	Low	Pass	
		High	Pass	
	802.11n(HT40)	Low	Pass	
		High	Pass	
	802.11ac(VHT20)	Low	Pass	
		High	Pass	
	802.11ac(VHT40)	Low	Pass	
		High	Pass	
	802.11ac(VHT80)	Low	Pass	
		High	Pass	
	Band III	802.11a	Low	Pass
			High	Pass
802.11n(HT20)		Low	Pass	
		High	Pass	
802.11n(HT40)		Low	Pass	
		High	Pass	
802.11ac(VHT20)		Low	Pass	
		High	Pass	
802.11ac(VHT40)		Low	Pass	
		High	Pass	
802.11ac(VHT80)		Low	Pass	
		High	Pass	
Band IV		802.11a	Low	Pass
			High	Pass
	802.11n(HT20)	Low	Pass	
		High	Pass	
	802.11n(HT40)	Low	Pass	
		High	Pass	
	802.11ac(VHT20)	Low	Pass	
		High	Pass	
	802.11ac(VHT40)	Low	Pass	
		High	Pass	
	802.11ac(VHT80)	Low	Pass	
		High	Pass	

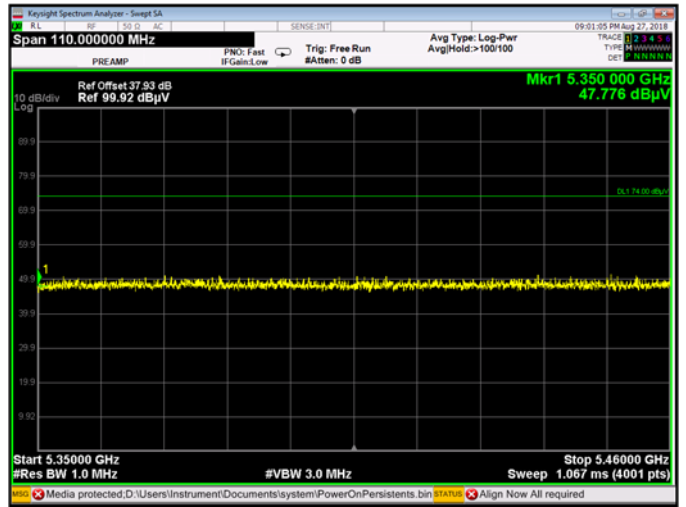


Test Plots

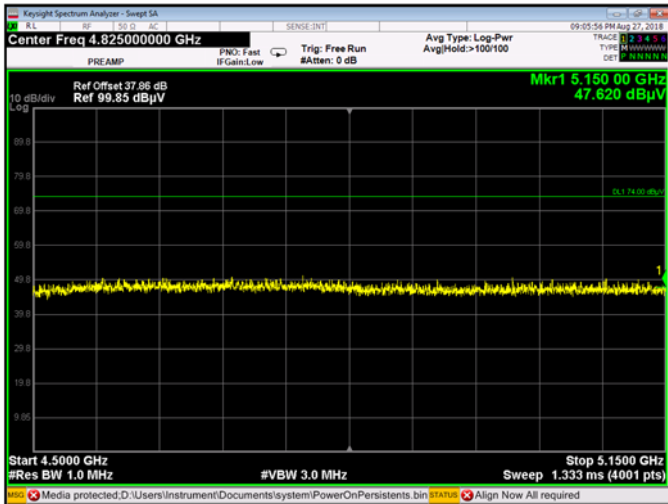
Band I / Band II 11a Low Channel



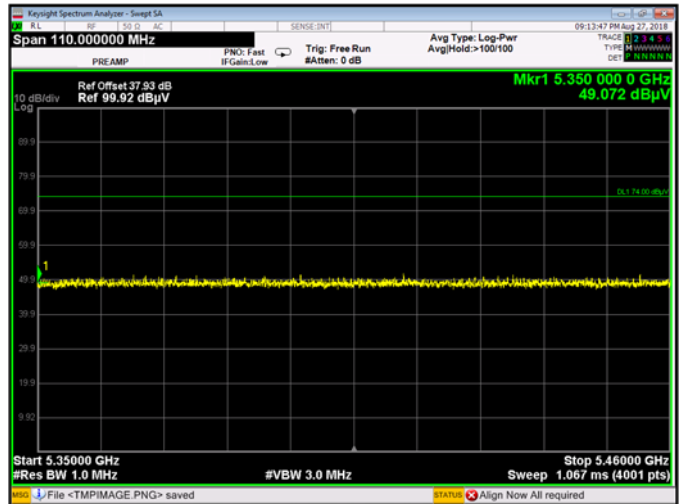
Band I / Band II 11a High Channel



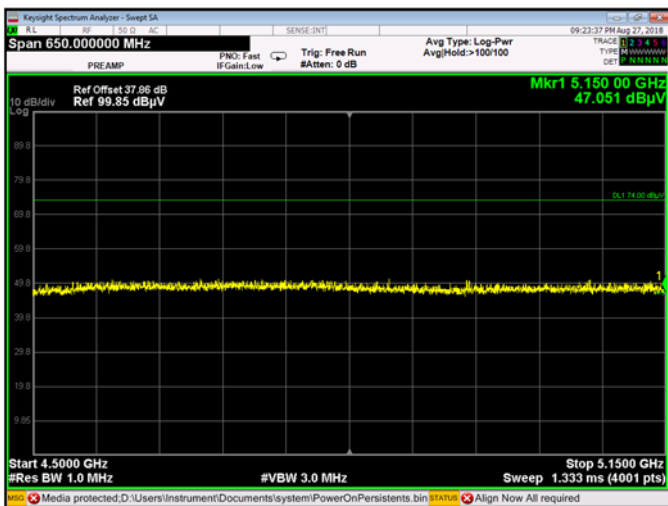
Band I / Band II 11n20 Low Channel



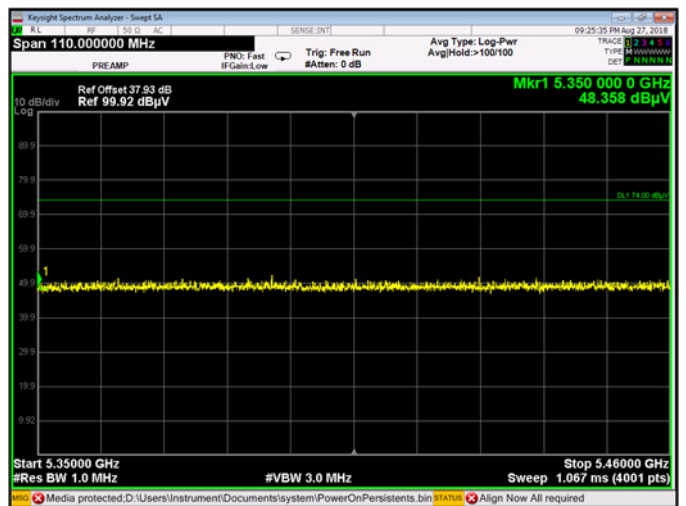
Band I / Band II 11n20 High Channel



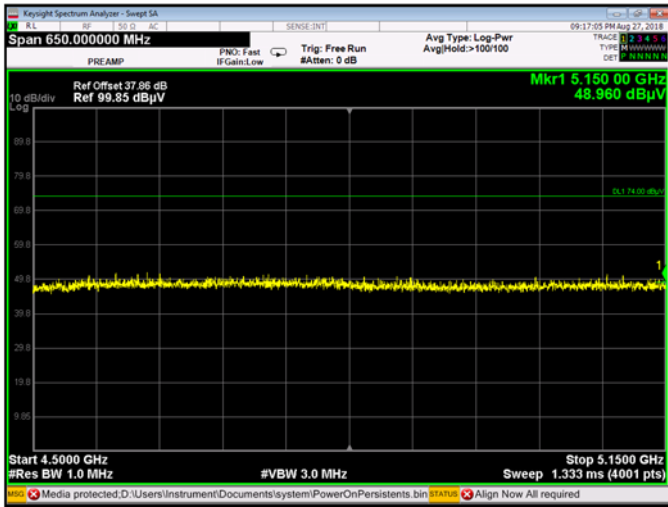
Band I / Band II 11n40 Low Channel



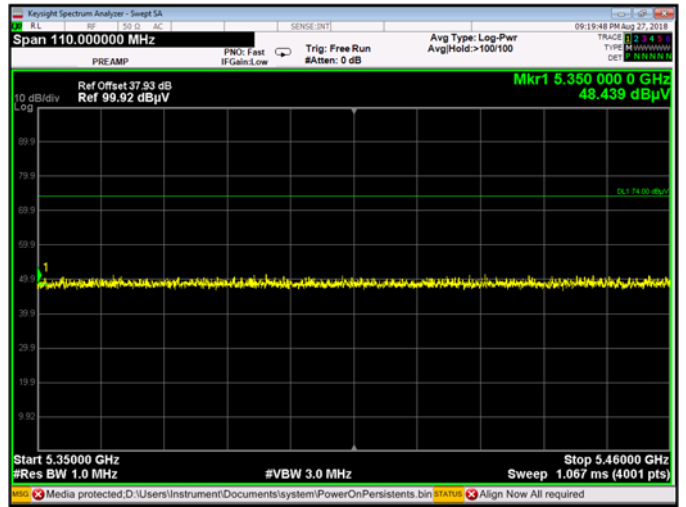
Band I / Band II 11n40 High Channel



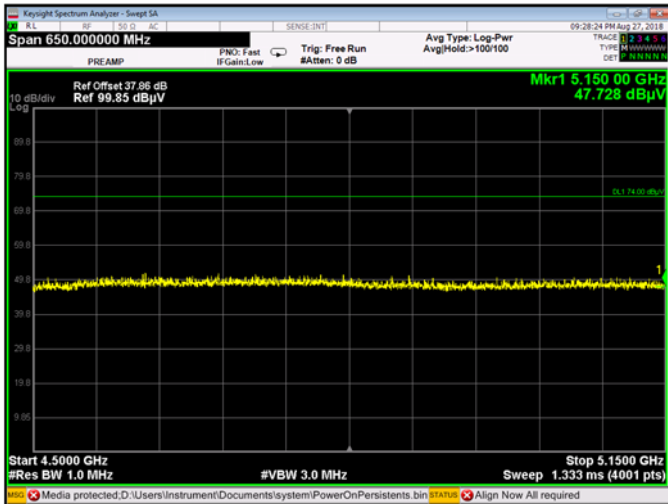
Band I / Band II 11ac20 Low Channel



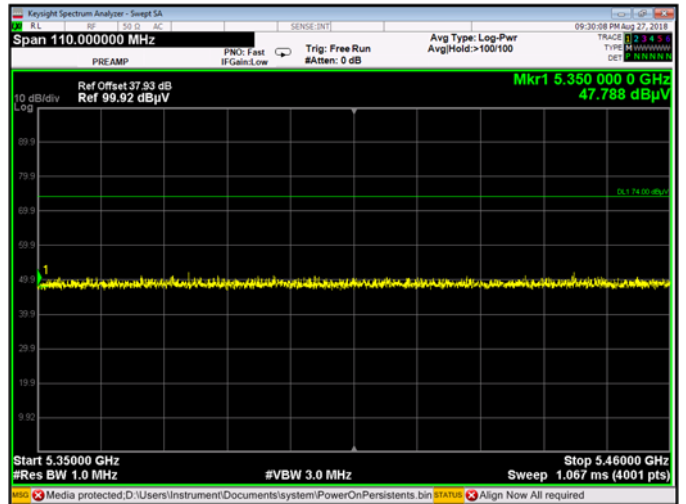
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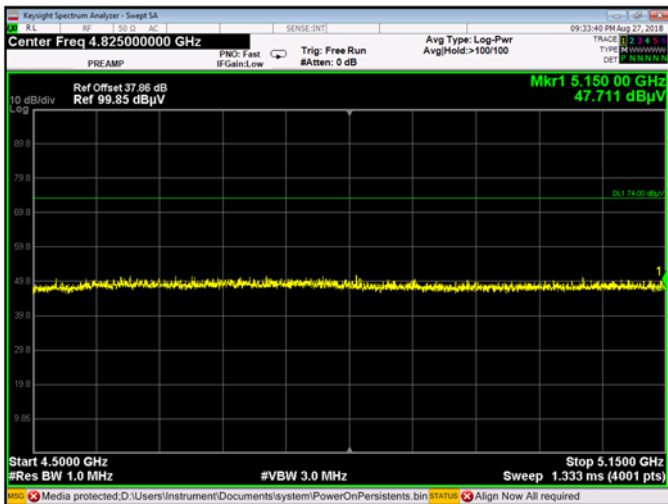
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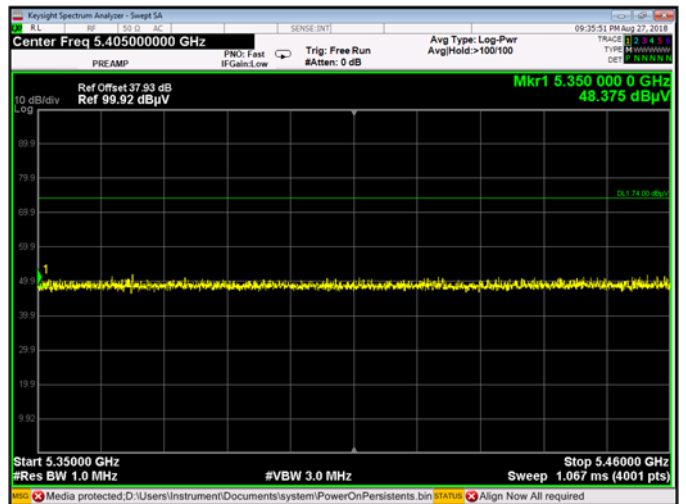
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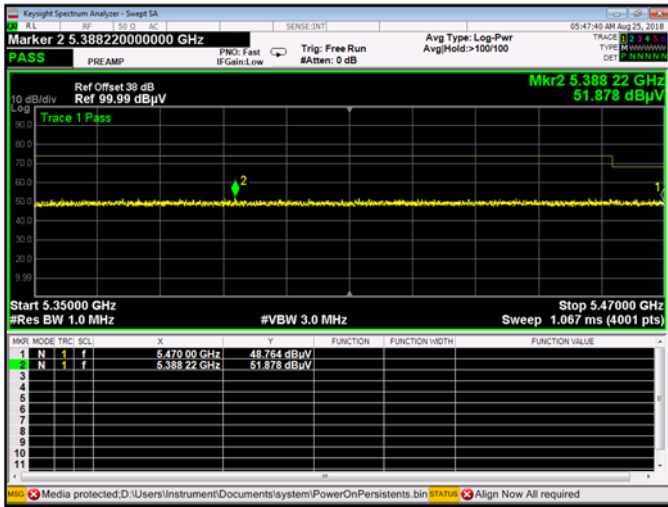
Band I / Band II 11ac80 Low Channel



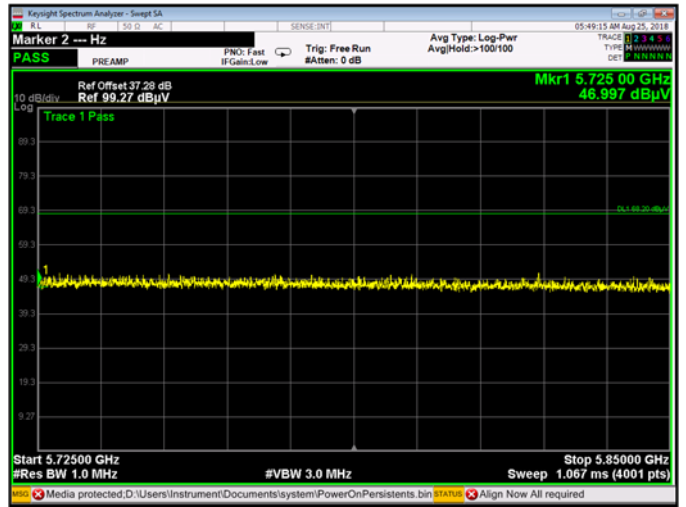
Band I / Band II 11ac80 High Channel



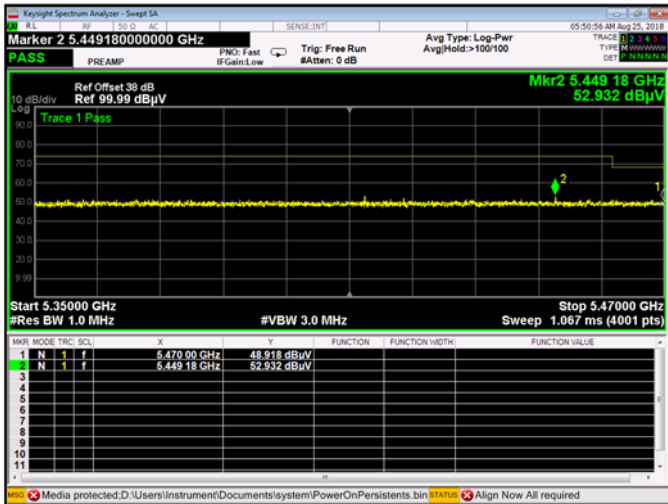
Band III 11a Low Channel



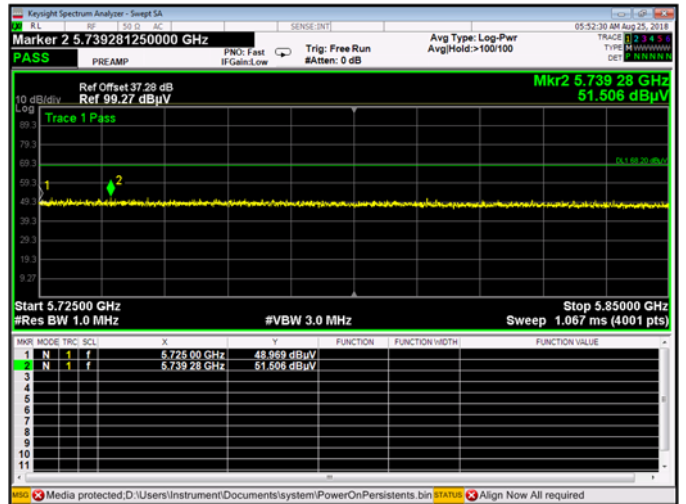
Band III 11a High Channel



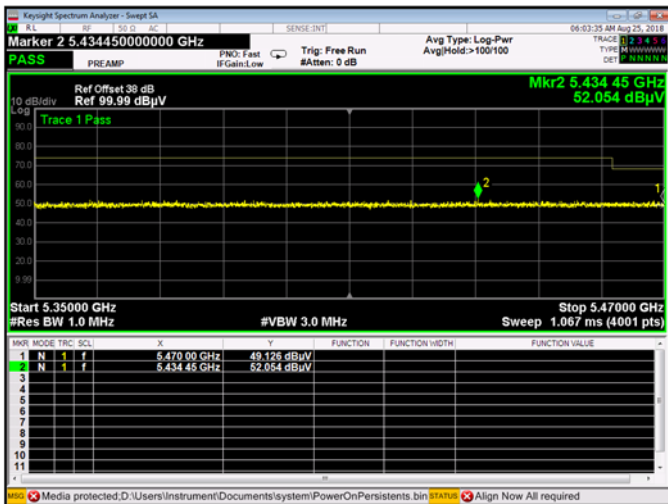
Band III 11n20 Low Channel



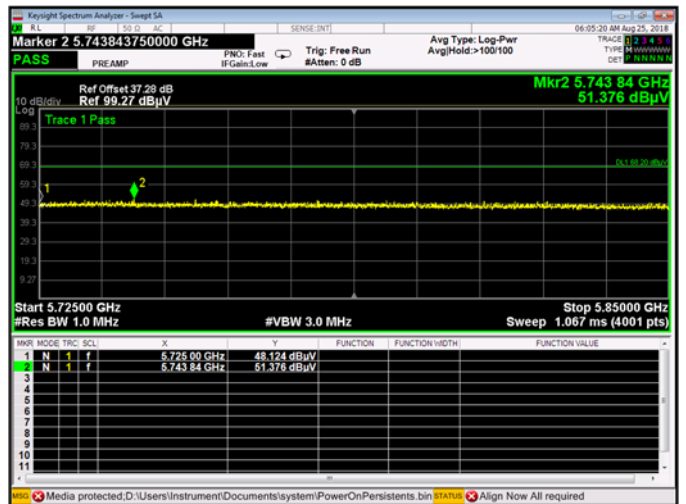
Band III 11n20 High Channel



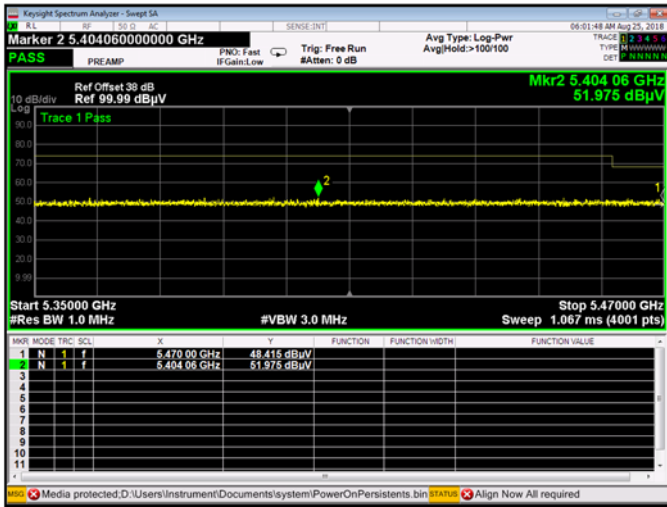
Band III 11n40 Low Channel



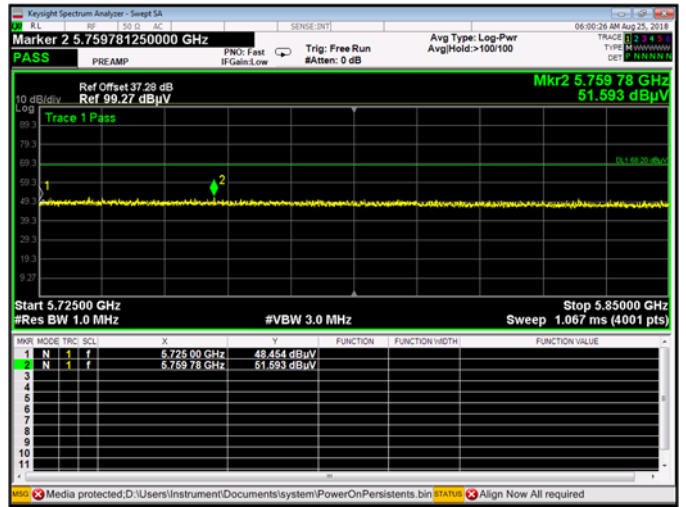
Band III 11n40 High Channel



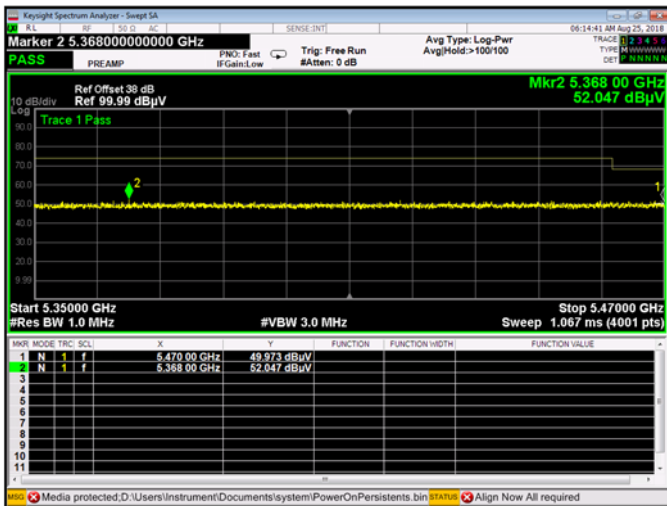
Band III 11ac20 Low Channel



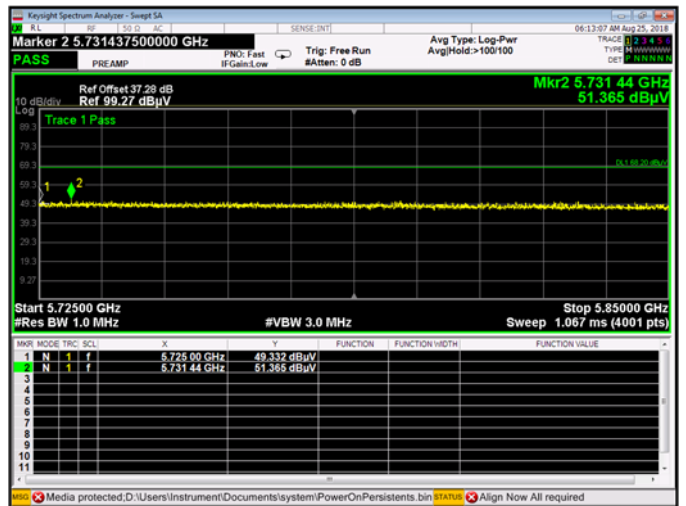
Band III 11ac20 High Channel



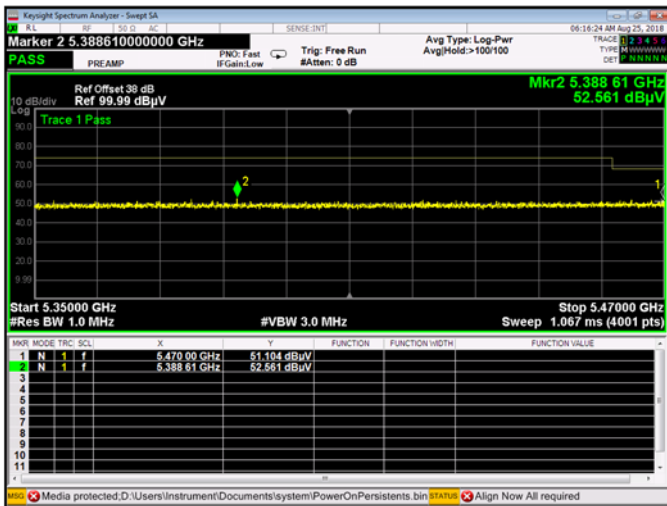
Band III 11ac40 Low Channel



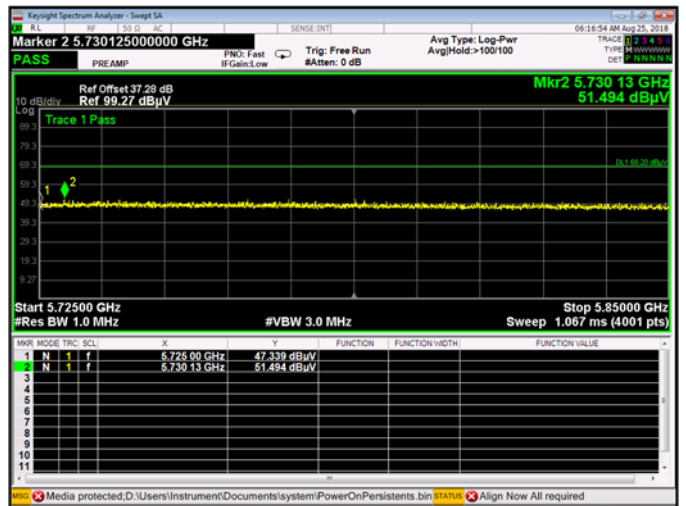
Band III 11ac40 High Channel



Band III 11ac80 Low Channel



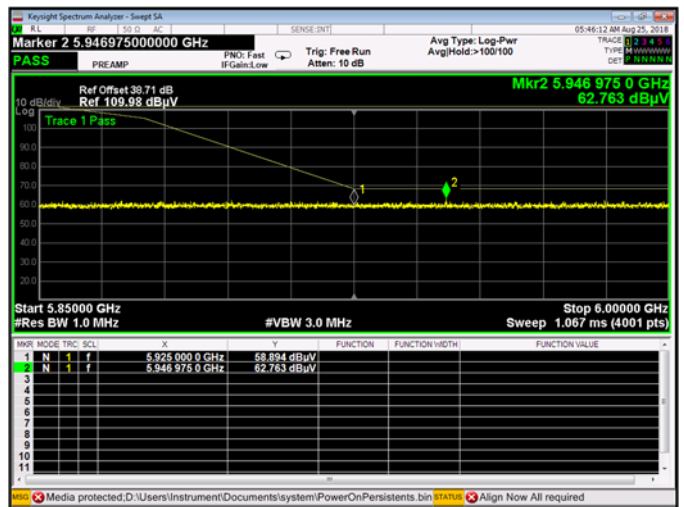
Band III 11ac80 High Channel



## Band IV 11a Low Channel



## Band IV 11a High Channel



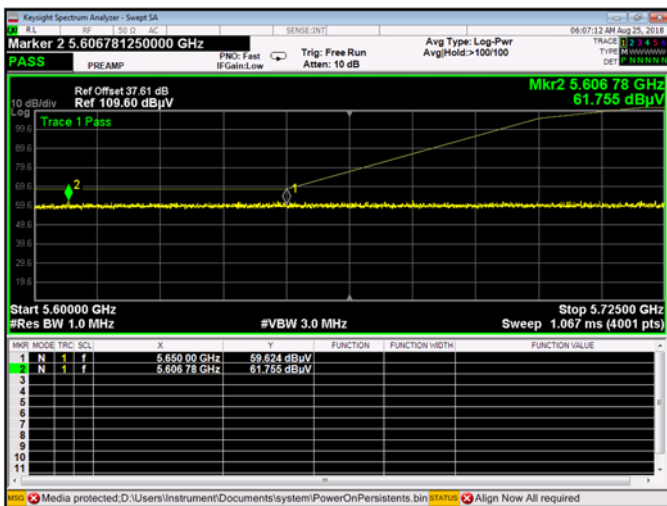
## Band IV 11n20 Low Channel



## Band IV 11n20 High Channel



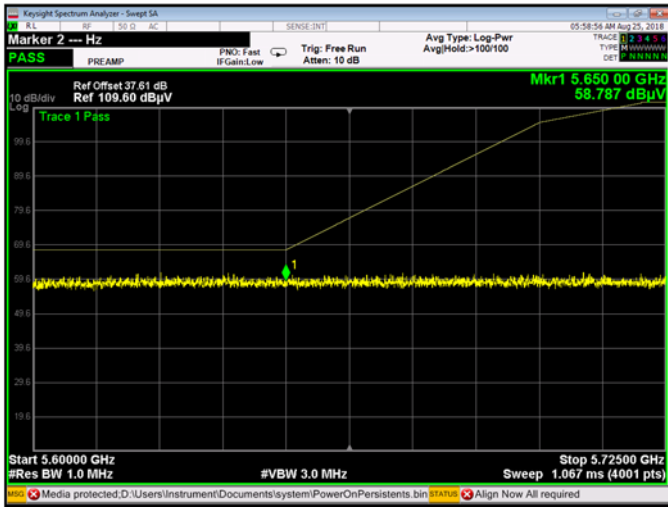
## Band IV 11n40 Low Channel



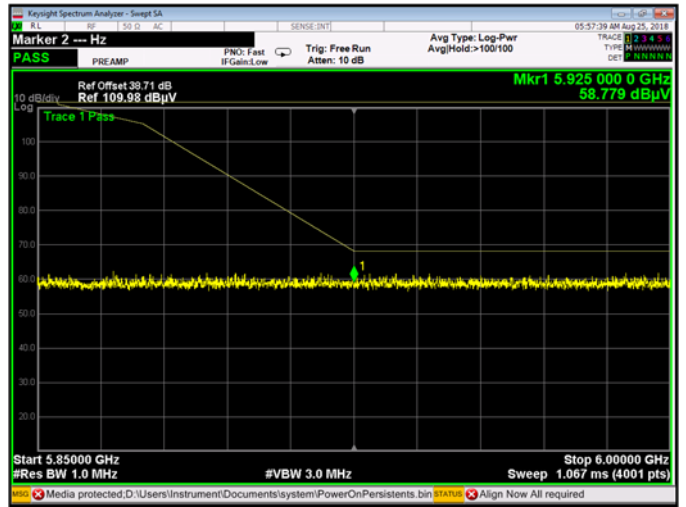
## Band IV 11n40 High Channel



Band IV 11ac20 Low Channel



Band IV 11ac20 High Channel



Band IV 11ac40 Low Channel



Band IV 11ac40 High Channel



Band IV 11ac80 Low Channel



Band IV 11ac80 High Channel



## A.8 Frequency Stability

### Voltage vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	3.5	5180	5180.0513 17	9.91	5179.973 918	-5.04	5179.980 068	-3.85	5180.014 904	2.88
	3.7	5180	5179.9834 42	-3.20	5180.045 777	8.84	5179.995 578	-0.85	5180.042 321	8.17
	4.2	5180	5180.0446 43	8.62	5180.034 708	6.70	5179.981 730	-3.53	5180.047 165	9.11

### Temperature vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
3.7	0	5180	5180.0215 60	4.16	5180.025 968	5.01	5180.032 863	6.34	5179.987 428	-2.43
	5	5180	5179.9760 91	-4.62	5179.994 867	-0.99	5180.017 010	3.28	5180.020 291	3.92
	10	5180	5180.0356 37	6.88	5180.040 161	7.75	5180.012 730	2.46	5179.980 592	-3.75
	15	5180	5179.9667 54	-6.42	5180.003 794	0.73	5180.059 588	11.50	5179.988 915	-2.14
	20	5180	5179.9910 28	-1.73	5179.999 864	-0.03	5179.970 438	-5.71	5180.009 330	1.80
	25	5180	5179.9711 90	-5.56	5179.983 059	-3.27	5180.032 324	6.24	5180.040 551	7.83
	30	5180	5180.0593 84	11.46	5179.993 627	-1.23	5179.974 838	-4.86	5180.029 050	5.61
	35	5180	5180.0401 75	7.76	5180.045 799	8.84	5179.981 810	-3.51	5180.048 575	9.38
	40	5180	5179.9778 32	-4.28	5179.974 079	-5.00	5180.008 404	1.62	5179.988 370	-2.25
	45	5180	5180.0264 68	5.11	5180.042 641	8.23	5180.017 765	3.43	5180.025 928	5.01

**Voltage vs. Frequency Stability (5745 MHz)**

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	3.5	5745	5745.019770	3.44	5745.036704	6.39	5745.007466	1.30	5744.992924	-1.23
	3.7	5745	5745.005133	0.89	5744.975139	-4.33	5744.971938	-4.88	5745.041759	7.27
	4.2	5745	5745.019770	3.44	5745.036704	6.39	5745.007466	1.30	5744.992924	-1.23

**Temperature vs. Frequency Stability (5745 MHz)**

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
3.7	0	5745	5745.022044	3.84	5744.999035	-0.17	5744.971780	-4.91	5744.992116	-1.37
	5	5745	5744.985875	-2.46	5744.996052	-0.69	5745.051096	8.89	5744.980174	-3.45
	10	5745	5745.028293	4.92	5744.979185	-3.62	5745.036821	6.41	5744.996890	-0.54
	15	5745	5745.056056	9.76	5744.962040	-6.61	5745.031405	5.47	5744.992855	-1.24
	20	5745	5744.968579	-5.47	5745.053038	9.23	5745.035698	6.21	5745.057003	9.92
	25	5745	5744.989176	-1.88	5745.017961	3.13	5744.986523	-2.35	5744.974472	-4.44
	30	5745	5745.012748	2.22	5745.040516	7.05	5744.980888	-3.33	5744.995746	-0.74
	35	5745	5745.028851	5.02	5745.053757	9.36	5745.006188	1.08	5744.985377	-2.55
	40	5745	5744.967966	-5.58	5745.035906	6.25	5745.021092	3.67	5745.002571	0.45
	45	5745	5745.002163	0.38	5745.011182	1.95	5744.973857	-4.55	5744.966076	-5.90



## **ANNEX B TEST SETUP PHOTOS**

Please refer the document "BL-SZ1880007-AR.PDF".

## **ANNEX C EUT EXTERNAL PHOTOS**

Please refer the document "BL-SZ1880007-AW.PDF".

## **ANNEX D EUT INTERNAL PHOTOS**

Please refer the document "BL-SZ1880007-AI.PDF".

--END OF REPORT--