FCC RF TEST REPORT

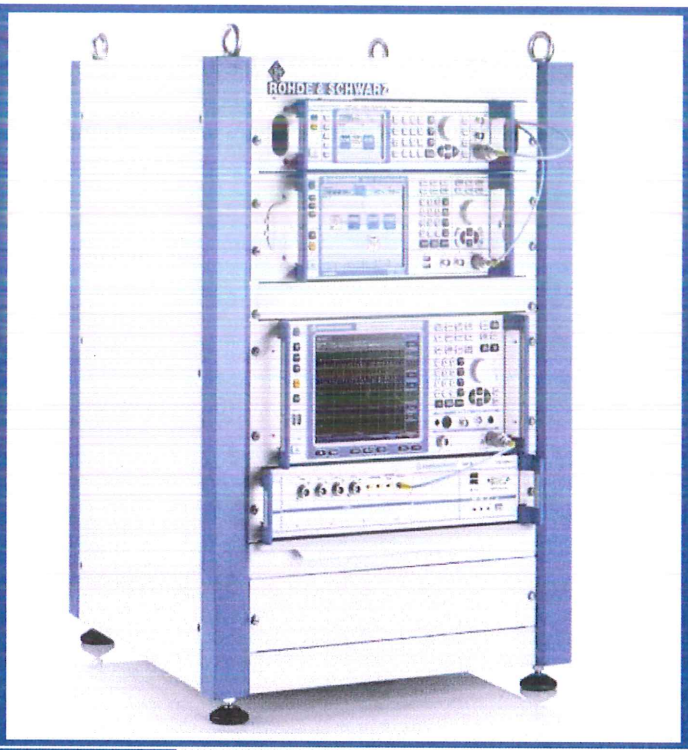
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

10" hamlet

ISSUED TO
Health In Motion LLC

255 Airport Circle, Suite 101 Corona, CA 92880, US



Prepared by: Ye Hongji

Date Sep. 15, 2020

Approved by: Wei Yanquan
(Chief Engineer)

Date Sep. 15, 2020

Report No.:	BL-SZ2070967-604
EUT Name:	10" hamlet
Model Name:	SP001C
Brand Name:	INSPIRE FITNESS
Test Standard:	47 CFR Part 15 Subpart E
FCC ID:	2ATO8 - SP001C
Test Conclusion:	Pass
Test Date:	Aug. 05, 2020 ~ Aug. 25, 2020
Date of Issue:	Sep. 15, 2020

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Revision History

Version	Issue Date	Revisions Content
Rev. 01	Sep. 15, 2020	Initial Issue

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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	The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1. The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196. 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. 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.
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℃ to 25℃
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 v4.4.

(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.

(7) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

2 PRODUCT INFORMATION

2.1 Applicant

Applicant	Health In Motion LLC
Address	255 Airport Circle, Suite 101 Corona, CA 92880, US

2.2 Manufacturer

Manufacturer	Health In Motion LLC
Address	255 Airport Circle, Suite 101 Corona, CA 92880, US

2.3 Factory

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	10" hamlet
Model Name Under Test	SP001C
Series Model Name	N/A
Description of Model name differentiation	N/A
Serial Number	N/A
Hardware Version	01
Software Version	01
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	Bluetooth 4.2 (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac Band 1/4

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 IV: 5725 MHz to 5850 MHz
Product Type	☐ Mobile ☐ Portable ☒ Fix Location
Modulation technology	OFDM
Modulation Type	1024QAM, 256QAM, 64QAM, 16QAM, BPSK, QPSK
Product Type	Fix Location 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: 17.38 dBm Band IV: 18.40 dBm
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	3 dBi (In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.)
About the Product	The equipment is 10" hamlet, intended for used with information technology equipment.

2.6 Additional Instructions

EUT Software Settings:

Mode	☒ Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

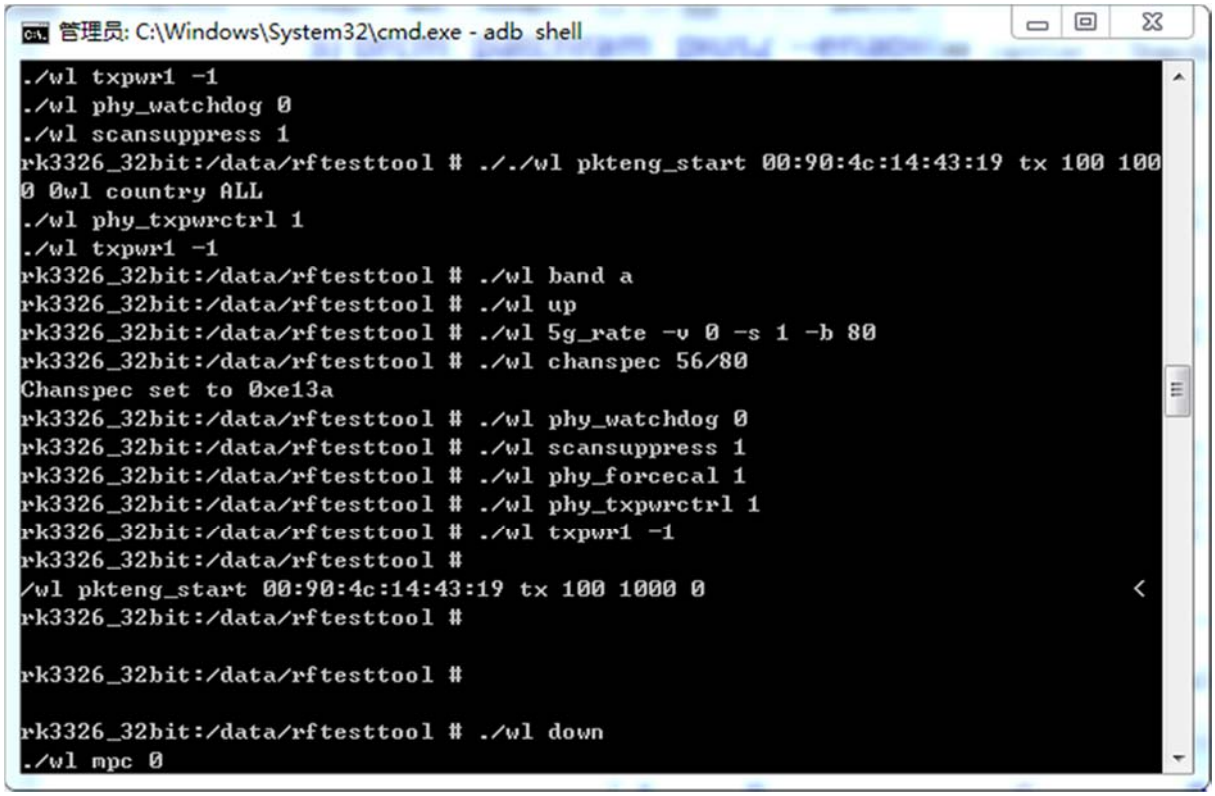
During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final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

Test Software Version	ADB		
Support Units (Software installation media)	Description	Manufacturer	Model
	Notebook	Lenovo	X220

Band I (5150 - 5250 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	75
11a	CH44	5220	75
11a	CH48	5240	75
11n (HT20)	CH36	5180	69
11n (HT20)	CH44	5220	75
11n (HT20)	CH48	5240	69
11n (HT40)	CH38	5190	62
11n (HT40)	CH46	5230	62
11ac (VHT20)	CH36	5180	71
11ac (VHT20)	CH44	5220	75
11ac (VHT20)	CH48	5240	71
11ac (VHT40)	CH38	5190	66
11ac (VHT40)	CH46	5230	66
11ac (VHT80)	CH42	5210	75

Band IV (5725 - 5850 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH149	5745	76
11a	CH157	5785	76
11a	CH165	5825	76
11n (HT20)	CH149	5745	76
11n (HT20)	CH157	5785	76
11n (HT20)	CH165	5825	76
11n (HT40)	CH149	5745	76
11n (HT40)	CH157	5785	76
11ac (VHT20)	CH149	5745	76
11ac (VHT20)	CH157	5785	76
11ac (VHT20)	CH165	5825	76
11ac (VHT40)	CH149	5745	76
11ac (VHT40)	CH157	5785	76
11ac (VHT80)	CH155	5775	76

Run Software



2.7 Channel List

20 MHz		40 MHz		80 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	**5180**	**38**	**5190**	**42**	**5210**
40	5200	**46**	**5230**	**155**	**5775**
44	**5220**	**151**	**5755**		
48	**5240**	**159**	**5795**		
149	**5745**				
153	5765				
157	**5785**				
161	5805				
165	**5825**				

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 IV (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	149	Low	5745
44	Mid	5220	157	Mid	5785
48	High	5240	165	High	5825

For 802.11n(HT40)/ac(VHT40)

Band I (5150 - 5250 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
38	Low	5190	151	Low	5755
46	High	5230	159	High	5795

For 802.11ac(VHT80)

Band I (5150 - 5250 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
42	Mid	5210	155	Mid	5775

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 Channel	Band IV Channel
RF Output Power	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
6 dB bandwidth	11a	6	BPSK	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	165/157/149
	11n(40 MHz)	13.5		N/A	159/151
	11ac(20 MHz)	6.5		N/A	165/157/149
	11ac(40 MHz)	13.5		N/A	159/151
	11ac(80 MHz)	29.3		N/A	155
Power Spectral Density	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155
Band Edge (Restricted-band)	11a	6	BPSK	48/44/36	165/157/149
	11n(20 MHz)	6.5		48/44/36	165/157/149
	11n(40 MHz)	13.5		46/38	159/151
	11ac(20 MHz)	6.5		48/44/36	165/157/149
	11ac(40 MHz)	13.5		46/38	159/151
	11ac(80 MHz)	29.3		42	155

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E (10-1-16 Edition)	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v01r04	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[Note1]
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	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.6	Pass
8	Receiver Spurious Emissions	--	--	N/A[Note2]

Note [1]: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note [2]: 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

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℃ to +25℃
	LT (Low Temperature)	-20℃
	HT (High Temperature)	+40℃
Working Voltage of the EUT	NV (Normal Voltage)	12 V
	LV (Low Voltage)	11.4 V
	HV (High Voltage)	12.6 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2020.06.08	2021.06.07
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2020.06.08	2021.06.07
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2020.06.09	2021.06.08
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2020.06.09	2021.06.08
LISN	SCHWARZBECK	NSLK 8127	8127-687	2020.06.09	2021.06.08
Bluetooth Tester	ROHDE&SCHWARZ	CBT	101005	2020.06.08	2021.06.07
DC Power Supply	ROHDE&SCHWARZ	HMP2020	018141664	2020.06.08	2021.06.07
Power Splitter	KMW	DCPD-LDC	1305003215	--	--
Power Sensor	ROHDE&SCHWARZ	NRP-Z21	103971	2020.06.08	2021.06.07
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	--	--
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	--	--
Temperature Chamber	AHK	SP20	1412	2020.06.10	2021.06.09
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2019.10.29	2021.10.28
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2019.07.02	2021.07.01
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1917	2019.07.02	2021.07.01
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2019.01.06	2021.01.05
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2017.02.21	2022.02.20
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60 *7.35m	N/A	2018.08.08	2021.08.07
Shielded Enclosure	ChangNing	CN-130701	130703	--	--
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2020.06.08	2021.06.07
Power Amplifier	OPHIR RF	5225F	1037	2020.02.19	2021.02.18
Power Amplifier	OPHIR RF	5273F	1016	2020.02.19	2021.02.18
Directional Coupler	Werlantone	C5982-10	109275	N/A	N/A
Directional Coupler	Werlantone	CHP-273E	S00801z-01	N/A	N/A

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Sound Level Meter	B&K	NL-20	00844023	2019.11.12	2020.11.11
Ear Simulator	B&K	4185	2409449	2019.11.12	2020.11.11
Ear Simulator	B&K	4195	2418189	2019.11.12	2020.11.11
Audio analyzer	B&K	UPL 16	100129	2019.11.12	2020.11.11

4.3 Measurement Uncertainty

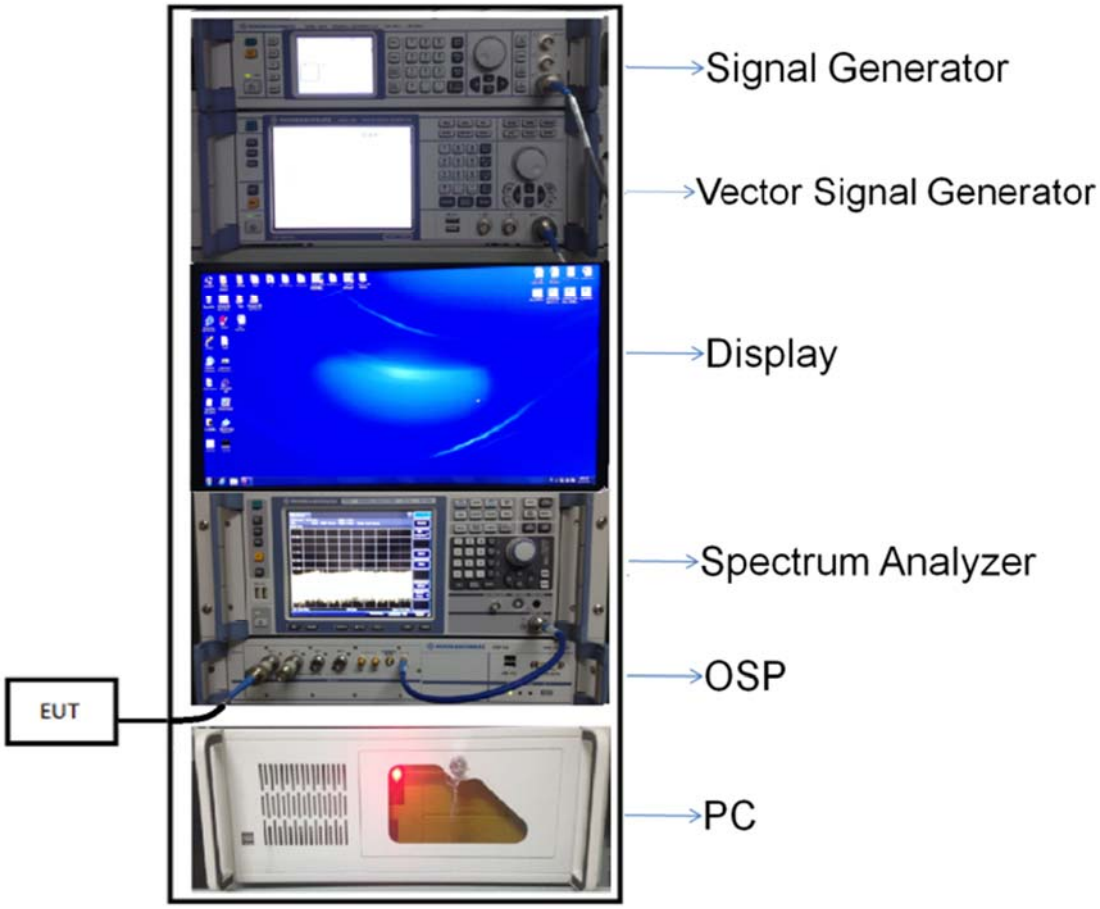
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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%

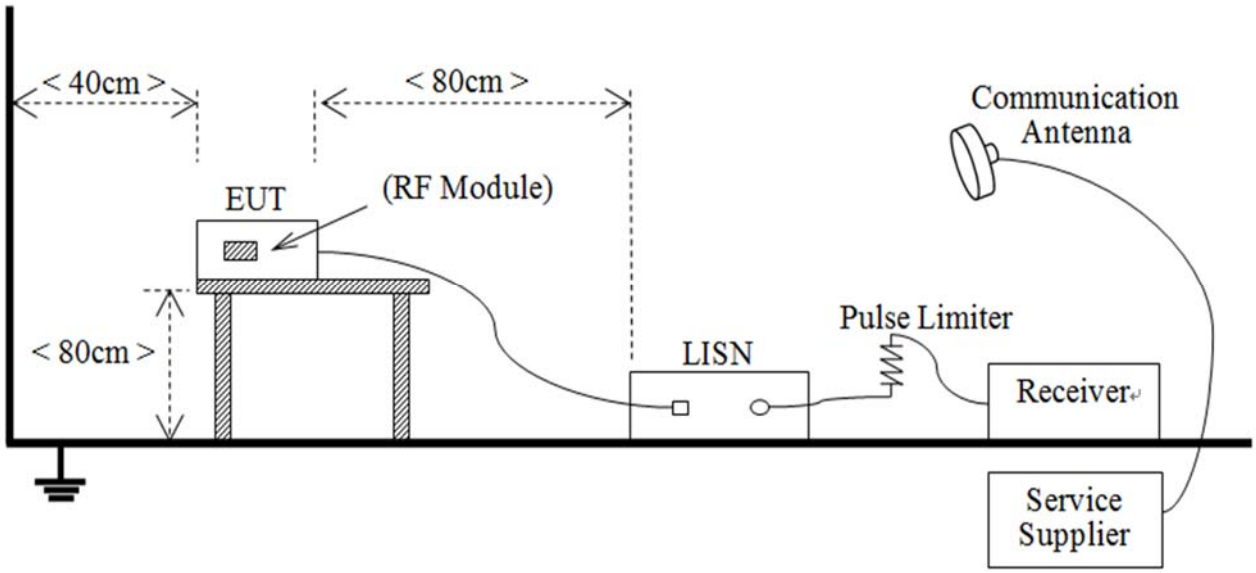
4.4 Description of Test Setup

4.4.1 For Antenna Port Test



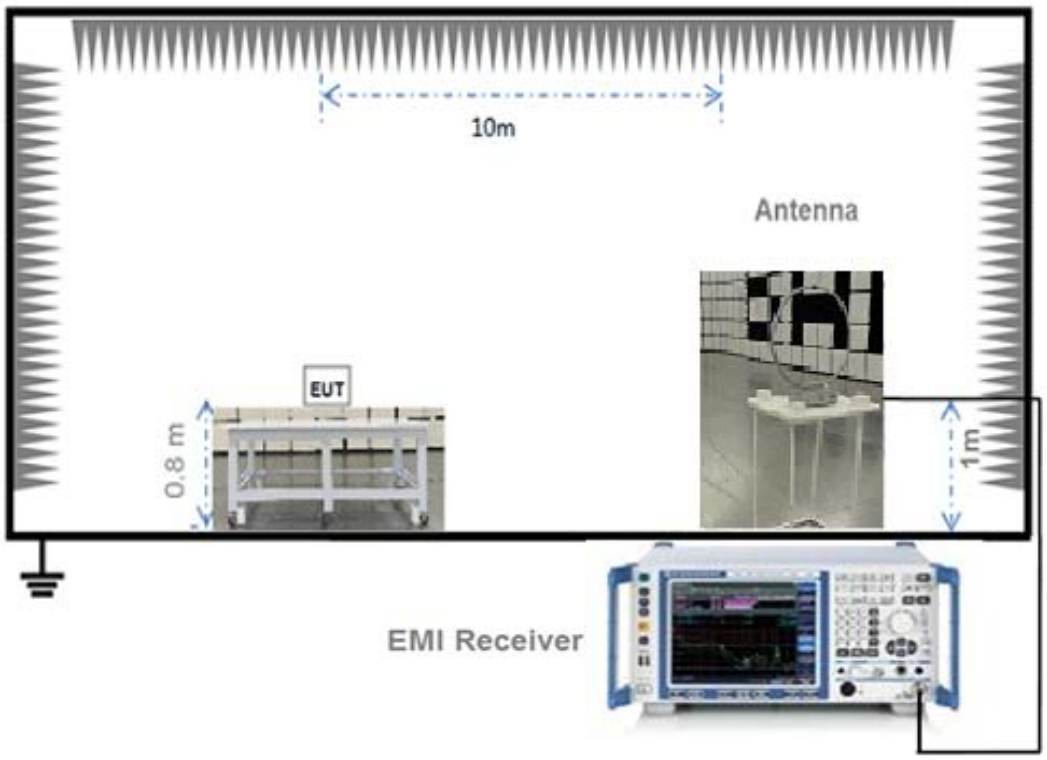
(Diagram 1)

4.4.2 For AC Power Supply Port Test



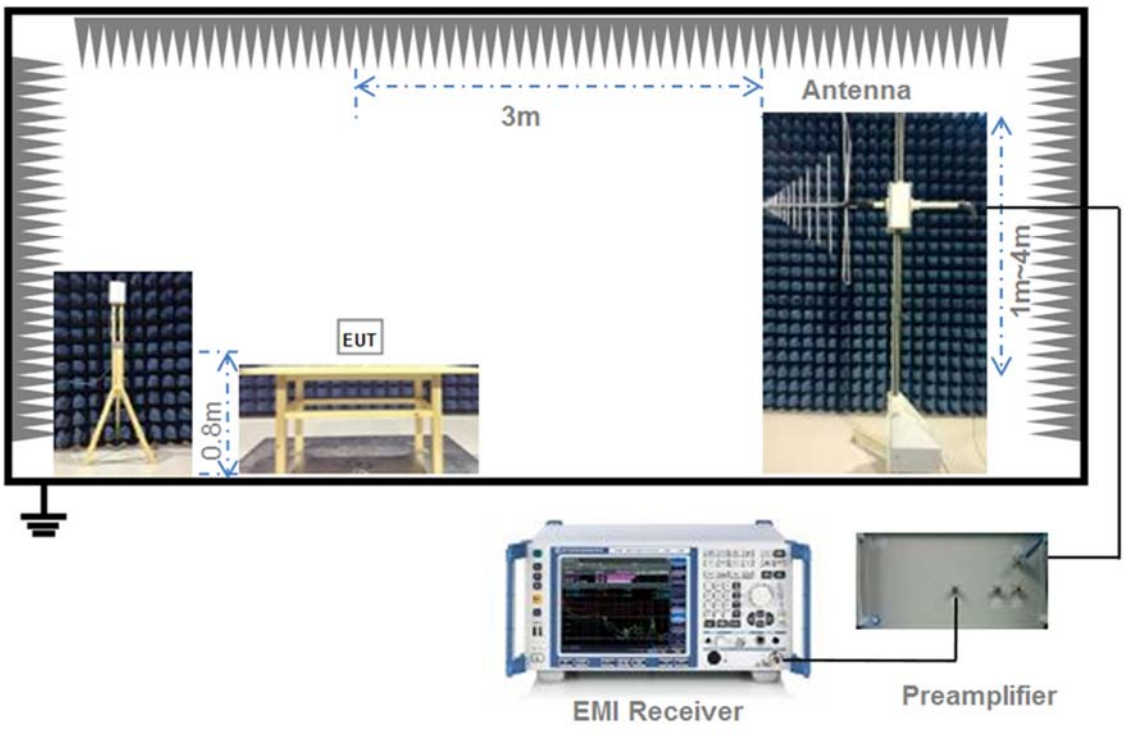
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



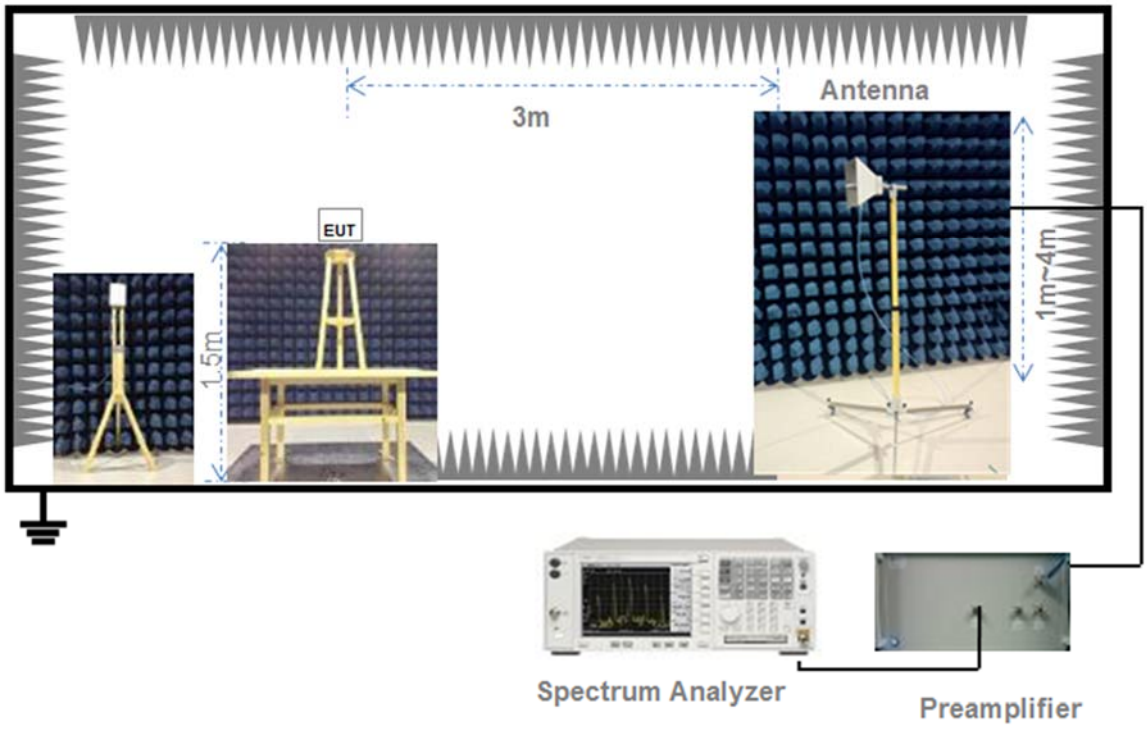
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

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 ≥ 3*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 ≥ 3*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 ≥ 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 50μH/50Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dBμV)	
	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.

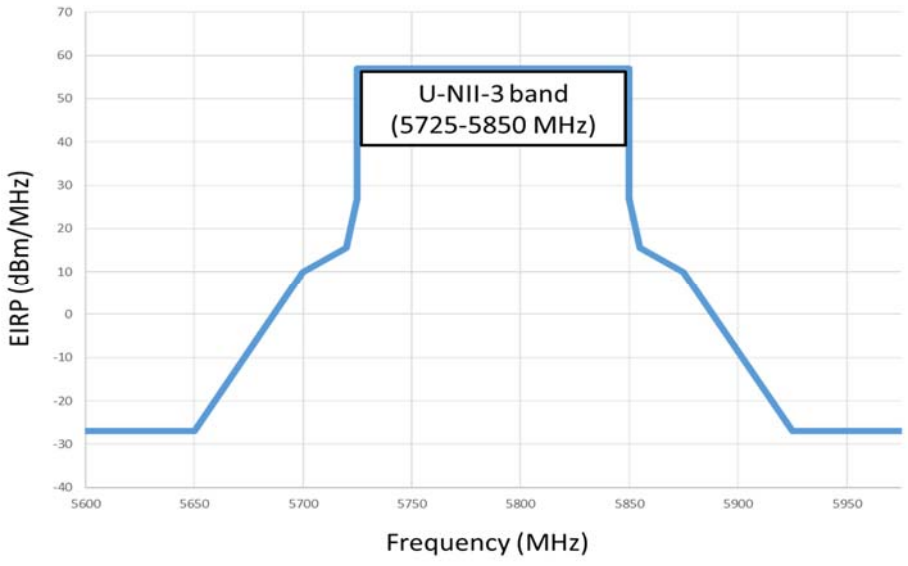
5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength (μV/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 [1]: The Limit for radiated test was performed according to FCC Part 15C
Note [2]: 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	All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. 

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

5.5.2 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.

5.5.3 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 ≤ 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:

$E = EIRP – 20\log D + 104.8$

where:

E = electric field strength in dBμV/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 ≥ 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 ≥ 98 percent) cannot be achieved and the duty cycle is constant (i.e., duty cycle variations are less than ± 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 ≥ 3 x RBW.

e) Detector = RMS, if span/(# of points in sweep) ≤ (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 (≥ 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 ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto

Detector function = peak
Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note [1]: 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	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	17.26	53.20	250	Pass
11a	CH44	16.69	46.66	250	Pass
11a	CH48	17.38	54.69	250	Pass
11n (HT20)	CH36	14.41	27.60	250	Pass
11n (HT20)	CH44	16.36	43.24	250	Pass
11n (HT20)	CH48	16.96	49.65	250	Pass
11n (HT40)	CH38	12.68	18.55	250	Pass
11n (HT40)	CH46	16.60	45.74	250	Pass
11ac (VHT20)	CH36	14.77	29.98	250	Pass
11ac (VHT20)	CH44	16.36	43.24	250	Pass
11ac (HVT20)	CH48	17.10	51.27	250	Pass
11ac (VHT40)	CH38	13.58	22.82	250	Pass
11ac (VHT40)	CH46	16.52	44.90	250	Pass
11ac (VHT80)	CH42	15.94	39.22	250	Pass

Band IV (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	16.73	47.09	1000	Pass
11a	CH157	16.97	49.76	1000	Pass
11a	CH165	16.77	47.52	1000	Pass
11n (HT20)	CH149	16.43	43.94	1000	Pass
11n (HT20)	CH157	16.63	46.01	1000	Pass
11n (HT20)	CH165	16.45	44.15	1000	Pass
11n (HT40)	CH151	17.24	53.00	1000	Pass
11n (HT40)	CH159	17.49	56.14	1000	Pass
11ac (VHT20)	CH149	16.50	44.66	1000	Pass
11ac (VHT20)	CH157	16.72	46.98	1000	Pass
11ac (VHT20)	CH165	16.55	45.18	1000	Pass
11ac (VHT40)	CH151	17.01	50.26	1000	Pass
11ac (VHT40)	CH159	17.33	54.11	1000	Pass
11ac (VHT80)	CH155	18.40	69.11	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2070967-604 Data Part 1.pdf”.

Test Data

Band I (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	22.04	16.90
11a	CH44	23.88	17.19
11a	CH48	23.44	17.02
11n (HT20)	CH36	26.88	18.29
11n (HT20)	CH44	25.48	18.35
11n (HT20)	CH48	24.04	18.18
11n (HT40)	CH38	55.30	37.40
11n (HT40)	CH46	53.20	37.28
11ac (VHT20)	CH36	25.88	18.18
11ac (VHT20)	CH44	25.68	18.29
11ac (HVT20)	CH48	24.68	18.18
11ac (VHT40)	CH38	55.40	37.28
11ac (VHT40)	CH46	54.70	37.51
11ac (VHT80)	CH42	113.20	78.03

Band IV (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	27.84	17.48
11a	CH157	24.60	17.48
11a	CH165	28.04	17.42
11n (HT20)	CH149	26.60	18.47
11n (HT20)	CH157	27.32	18.52
11n (HT20)	CH165	26.88	18.41
11n (HT40)	CH151	70.30	38.09
11n (HT40)	CH159	59.40	37.74
11ac (VHT20)	CH149	26.88	18.35
11ac (VHT20)	CH157	27.20	18.41
11ac (VHT20)	CH165	26.84	18.35
11ac (VHT40)	CH151	68.00	37.74
11ac (VHT40)	CH159	57.00	37.28
11ac (VHT80)	CH155	119.60	77.11

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2070967-604 Data Part 2.pdf”.

Test Data

Band IV (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.17	500.00	Pass
11a	CH157	16.42	500.00	Pass
11a	CH165	16.17	500.00	Pass
11n (HT20)	CH149	17.27	500.00	Pass
11n (HT20)	CH157	17.02	500.00	Pass
11n (HT20)	CH165	17.42	500.00	Pass
11n (HT40)	CH151	36.02	500.00	Pass
11n (HT40)	CH159	35.27	500.00	Pass
11ac (VHT20)	CH149	17.67	500.00	Pass
11ac (VHT20)	CH157	17.42	500.00	Pass
11ac (VHT20)	CH165	17.42	500.00	Pass
11ac (VHT40)	CH151	36.17	500.00	Pass
11ac (VHT40)	CH159	35.47	500.00	Pass
11ac (VHT80)	CH155	75.22	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ2070967-604 Data Part 3.pdf”.

Test Data

Note [1]: The RBW used in Band IV is 1 MHz, and the PSD factor is: 10*log (500 kHz/RBW) =-3 dBm.

Band I (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	5.21	11.00	Pass
11a	CH44	4.64	11.00	Pass
11a	CH48	5.07	11.00	Pass
11n (HT20)	CH36	2.31	11.00	Pass
11n (HT20)	CH44	3.62	11.00	Pass
11n (HT20)	CH48	4.77	11.00	Pass
11n (HT40)	CH38	-4.32	11.00	Pass
11n (HT40)	CH46	-0.58	11.00	Pass
11ac (VHT20)	CH36	2.54	11.00	Pass
11ac (VHT20)	CH44	4.01	11.00	Pass
11ac (VHT20)	CH48	4.49	11.00	Pass
11ac (VHT40)	CH38	-4.11	11.00	Pass
11ac (VHT40)	CH46	-1.56	11.00	Pass
11ac (VHT80)	CH42	-5.96	11.00	Pass

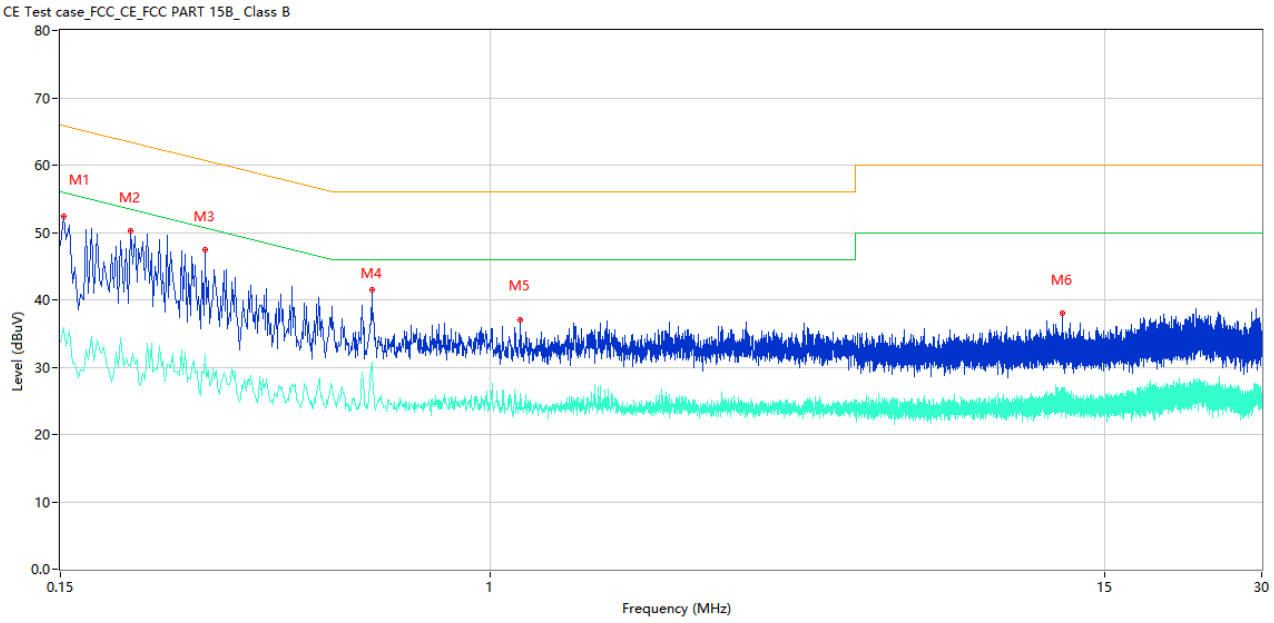
Band IV (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	2.84	30.00	Pass
11a	CH157	3.29	30.00	Pass
11a	CH165	2.73	30.00	Pass
11n (HT20)	CH149	1.97	30.00	Pass
11n (HT20)	CH157	1.84	30.00	Pass
11n (HT20)	CH165	2.10	30.00	Pass
11n (HT40)	CH151	-2.22	30.00	Pass
11n (HT40)	CH159	-2.10	30.00	Pass
11ac (VHT20)	CH149	1.99	30.00	Pass
11ac (VHT20)	CH157	2.19	30.00	Pass
11ac (HVT20)	CH165	2.67	30.00	Pass
11ac (VHT40)	CH151	-1.40	30.00	Pass
11ac (VHT40)	CH159	-1.95	30.00	Pass
11ac (VHT80)	CH155	-10.20	30.00	Pass

A.5 Conducted Emissions

Note [1]: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.
Note [2]: 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.

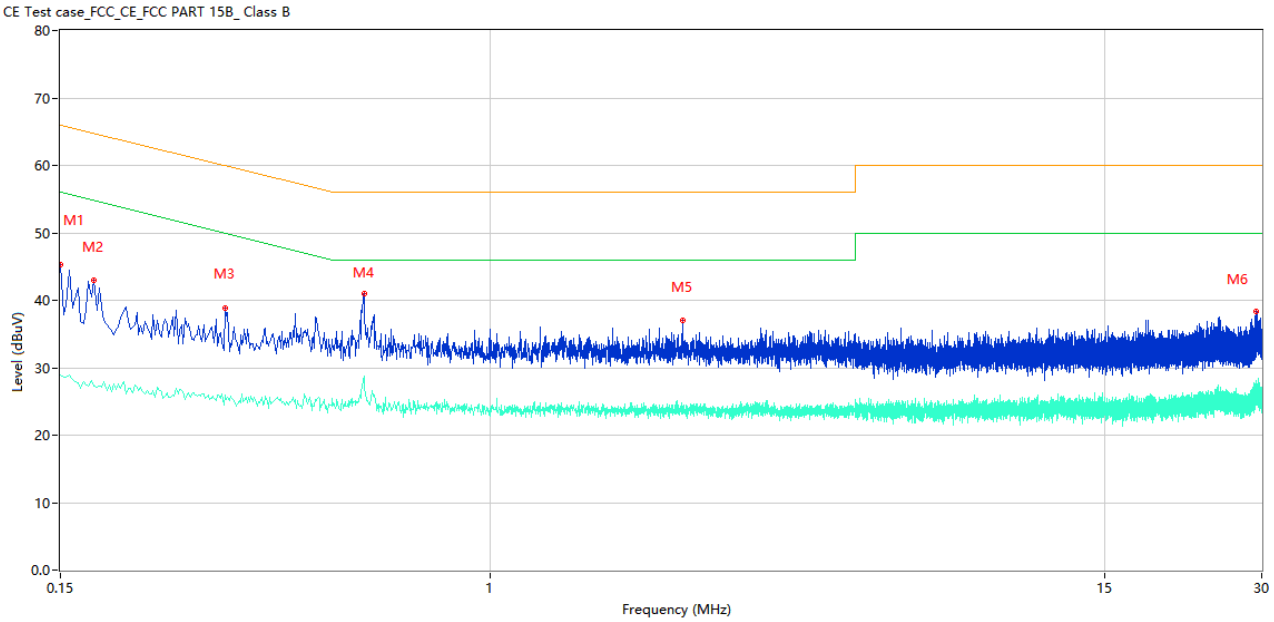
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.152	52.35	10.41	65.89	-13.54	Peak	L	Pass
1**	0.152	35.82	10.41	55.89	-20.07	AV	L	Pass
2	0.204	50.29	10.38	63.45	-13.16	Peak	L	Pass
2**	0.204	30.04	10.38	53.45	-23.41	AV	L	Pass
3	0.284	47.44	10.34	60.70	-13.26	Peak	L	Pass
3**	0.284	31.86	10.34	50.70	-18.84	AV	L	Pass
4	0.592	41.57	10.28	56.00	-14.43	Peak	L	Pass
4**	0.592	30.82	10.28	46.00	-15.18	AV	L	Pass
5	1.142	37.00	10.24	56.00	-19.00	Peak	L	Pass
5**	1.142	26.16	10.24	46.00	-19.84	AV	L	Pass
6	12.450	38.06	10.39	60.00	-21.94	Peak	L	Pass
6**	12.450	24.14	10.39	50.00	-25.86	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.150	45.21	10.41	66.00	-20.79	Peak	N	Pass
1**	0.150	28.85	10.41	56.00	-27.15	AV	N	Pass
2	0.174	42.92	10.39	64.77	-21.85	Peak	N	Pass
2**	0.174	27.21	10.39	54.77	-27.56	AV	N	Pass
3	0.310	38.92	10.33	59.97	-21.05	Peak	N	Pass
3**	0.310	25.95	10.33	49.97	-24.02	AV	N	Pass
4	0.572	40.95	10.27	56.00	-15.05	Peak	N	Pass
4**	0.572	28.68	10.27	46.00	-17.32	AV	N	Pass
5	2.330	37.01	10.27	56.00	-18.99	Peak	N	Pass
5**	2.330	23.13	10.27	46.00	-22.87	AV	N	Pass
6	29.334	38.41	10.74	60.00	-21.59	Peak	N	Pass
6**	29.334	26.60	10.74	50.00	-23.40	AV	N	Pass

A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)

Test Data

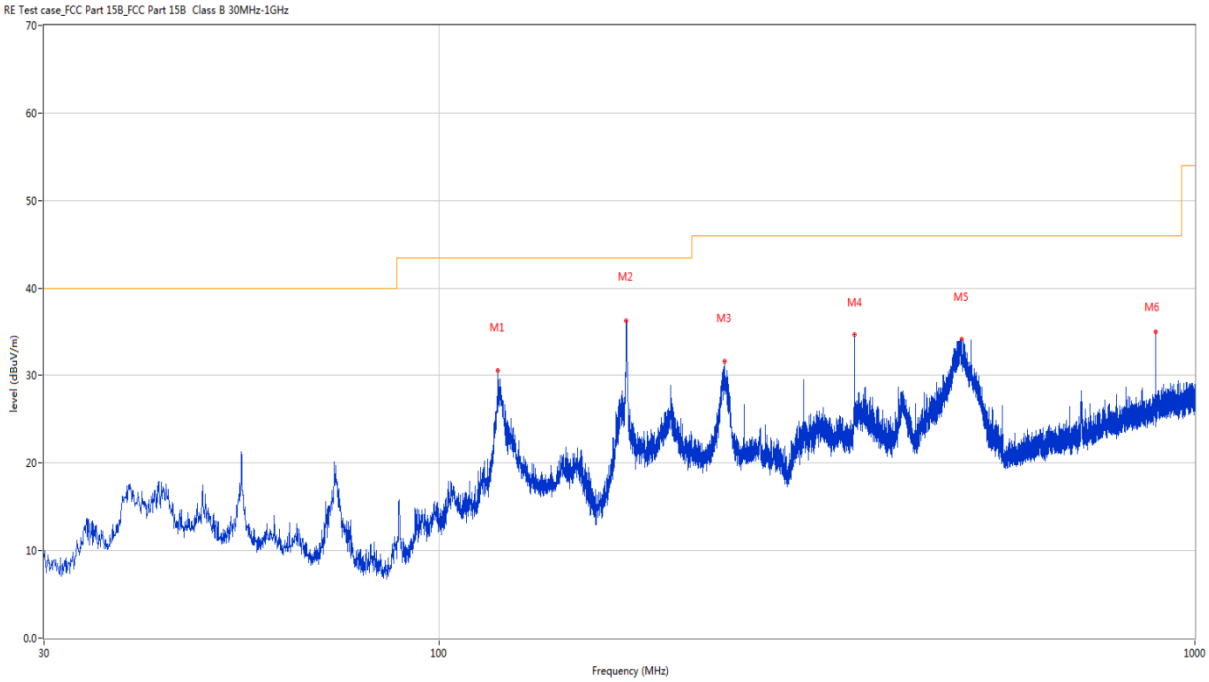
Note [1]: The symbol of "--" in the table which means not application.

Note [2]: 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 [3]: 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.

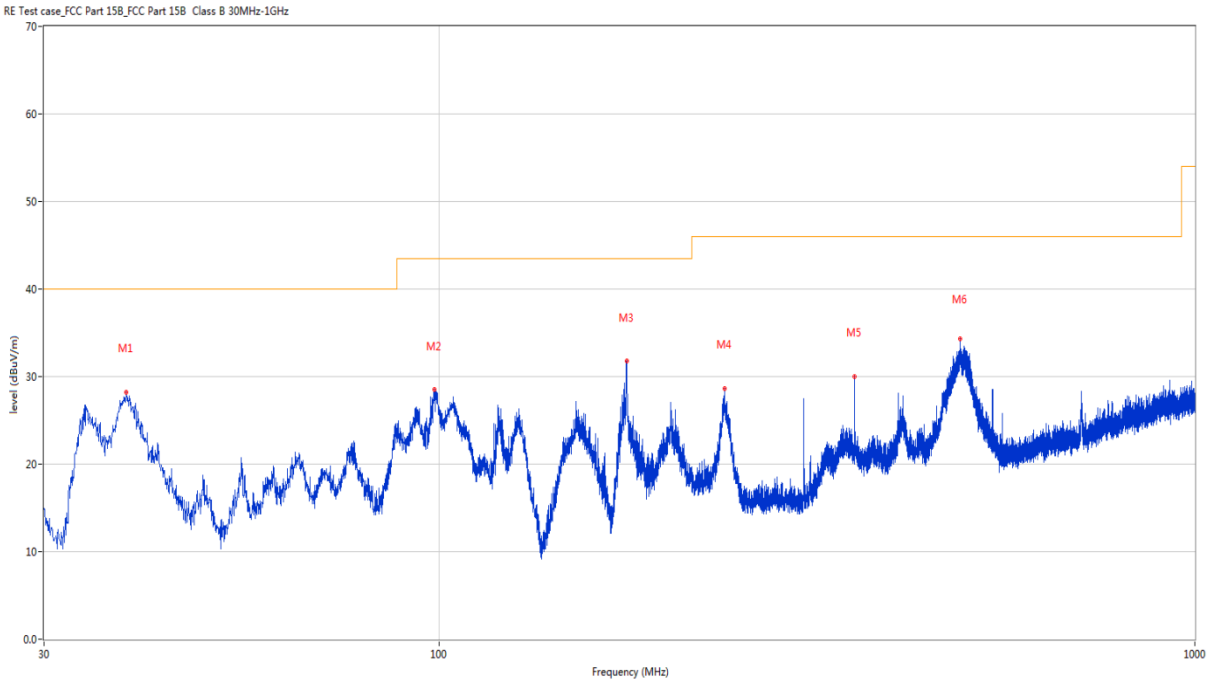
Note [4]: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	119.628	30.55	-25.81	43.5	-12.95	Peak	360.00	200	Horizontal	Pass
2	176.955	36.27	-26.25	43.5	-7.23	Peak	250.90	200	Horizontal	Pass
3	238.453	31.62	-23.18	46.0	-14.38	Peak	124.70	100	Horizontal	Pass
4	354.368	34.74	-19.94	46.0	-11.26	Peak	145.50	100	Horizontal	Pass
5	491.332	34.26	-17.10	46.0	-11.74	Peak	91.10	200	Horizontal	Pass
6	888.062	35.10	-10.60	46.0	-10.90	Peak	360.00	200	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	38.487	28.22	-24.52	40.0	-11.78	Peak	208.10	100	Vertical	Pass
2	98.531	28.48	-24.89	43.5	-15.02	Peak	123.90	100	Vertical	Pass
3	177.003	31.81	-26.25	43.5	-11.69	Peak	338.30	100	Vertical	Pass
4	238.453	28.65	-23.18	46.0	-17.35	Peak	45.80	200	Vertical	Pass
5	354.368	29.97	-19.94	46.0	-16.03	Peak	359.40	100	Vertical	Pass
6	488.664	34.30	-16.53	46.0	-11.70	Peak	122.00	200	Vertical	Pass

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

11a, Band I, 1 GHz to 18 GHz, Low channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.600	40.62	-18.05	74.0	-33.38	Peak	279.00	150	Horizontal	Pass
1**	1201.600	29.01	-18.05	54.0	-24.99	AV	279.00	150	Horizontal	Pass
2	2783.800	42.82	-11.29	74.0	-31.18	Peak	211.00	150	Horizontal	Pass
2**	2783.800	33.63	-11.29	54.0	-20.37	AV	211.00	150	Horizontal	Pass
3	3930.600	46.22	-6.87	74.0	-27.78	Peak	309.00	150	Horizontal	Pass
3**	3930.600	39.27	-6.87	54.0	-14.73	AV	309.00	150	Horizontal	Pass
4	5178.800	104.57	-3.94	--	--	Peak	245.00	150	Horizontal	N/A
4**	5178.800	97.37	-3.94	--	--	AV	245.00	150	Horizontal	N/A
5	7419.750	47.98	-4.04	74.0	-26.02	Peak	13.00	150	Horizontal	Pass
5**	7419.750	39.79	-4.04	54.0	-14.21	AV	13.00	150	Horizontal	Pass
6	12170.687	51.14	-0.94	74.0	-22.86	Peak	204.00	150	Horizontal	Pass
6**	12170.687	41.66	-0.94	54.0	-12.34	AV	204.00	150	Horizontal	Pass

11a, Band I, 1 GHz to 18 GHz, Low channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.100	39.92	-18.45	74.0	-34.08	Peak	176.00	150	Vertical	Pass
1**	1164.100	32.45	-18.45	54.0	-21.55	AV	176.00	150	Vertical	Pass
2	2358.900	45.09	-13.95	74.0	-28.91	Peak	131.00	150	Vertical	Pass
2**	2358.900	35.13	-13.95	54.0	-18.87	AV	131.00	150	Vertical	Pass
3	3930.000	47.70	-6.91	74.0	-26.30	Peak	261.00	150	Vertical	Pass
3**	3930.000	42.59	-6.91	54.0	-11.41	AV	261.00	150	Vertical	Pass
4	5181.400	105.75	-3.93	--	--	Peak	139.00	150	Vertical	N/A
4**	5181.400	97.89	-3.93	--	--	AV	139.00	150	Vertical	N/A
5	7360.237	48.83	-4.91	74.0	-25.17	Peak	310.00	150	Vertical	Pass
5**	7360.237	38.99	-4.91	54.0	-15.01	AV	310.00	150	Vertical	Pass
6	12107.725	51.24	-0.89	74.0	-22.76	Peak	41.00	150	Vertical	Pass
6**	12107.725	41.70	-0.89	54.0	-12.30	AV	41.00	150	Vertical	Pass

11a, Band I, 1 GHz to 18 GHz, Middle channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1215.000	39.60	-18.20	74.0	-34.40	Peak	144.00	150	Horizontal	Pass
1**	1215.000	32.33	-18.20	54.0	-21.67	AV	144.00	150	Horizontal	Pass
2	2358.300	43.35	-13.92	74.0	-30.65	Peak	280.00	150	Horizontal	Pass
2**	2358.300	37.64	-13.92	54.0	-16.36	AV	280.00	150	Horizontal	Pass
3	4003.400	47.06	-6.36	74.0	-26.94	Peak	331.00	150	Horizontal	Pass
3**	4003.400	36.88	-6.36	54.0	-17.12	AV	331.00	150	Horizontal	Pass
4	5200.600	103.52	-4.00	--	--	Peak	246.00	150	Horizontal	N/A
4**	5200.600	95.97	-4.00	--	--	AV	246.00	150	Horizontal	N/A
5	7369.725	49.21	-4.86	74.0	-24.79	Peak	0.00	150	Horizontal	Pass
5**	7369.725	39.34	-4.86	54.0	-14.66	AV	0.00	150	Horizontal	Pass
6	12344.050	51.10	-1.08	74.0	-22.90	Peak	0.00	150	Horizontal	Pass
6**	12344.050	40.76	-1.08	54.0	-13.24	AV	0.00	150	Horizontal	Pass

11a, Band I, 1 GHz to 18 GHz, Middle channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.200	38.93	-18.45	74.0	-35.07	Peak	188.00	150	Vertical	Pass
1**	1164.200	32.42	-18.45	54.0	-21.58	AV	188.00	150	Vertical	Pass
2	2357.900	44.08	-13.90	74.0	-29.92	Peak	240.00	150	Vertical	Pass
2**	2357.900	40.85	-13.90	54.0	-13.15	AV	240.00	150	Vertical	Pass
3	3930.600	47.77	-6.87	74.0	-26.23	Peak	234.00	150	Vertical	Pass
3**	3930.600	41.53	-6.87	54.0	-12.47	AV	234.00	150	Vertical	Pass
4	5198.400	105.78	-3.99	--	--	Peak	282.00	150	Vertical	N/A
4**	5198.400	98.40	-3.99	--	--	AV	282.00	150	Vertical	N/A
5	7419.175	48.47	-4.08	74.0	-25.53	Peak	117.00	150	Vertical	Pass
5**	7419.175	38.86	-4.08	54.0	-15.14	AV	117.00	150	Vertical	Pass
6	12103.987	50.96	-0.96	74.0	-23.04	Peak	310.00	150	Vertical	Pass
6**	12103.987	43.01	-0.96	54.0	-10.99	AV	310.00	150	Vertical	Pass

11a, Band I, 1 GHz to 18 GHz, High channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1214.900	38.93	-18.21	74.0	-35.07	Peak	154.00	150	Horizontal	Pass
1**	1214.900	32.56	-18.21	54.0	-21.44	AV	154.00	150	Horizontal	Pass
2	2817.700	43.20	-11.69	74.0	-30.80	Peak	170.00	150	Horizontal	Pass
2**	2817.700	33.45	-11.69	54.0	-20.55	AV	170.00	150	Horizontal	Pass
3	4022.000	46.65	-6.49	74.0	-27.35	Peak	360.00	150	Horizontal	Pass
3**	4022.000	38.27	-6.49	54.0	-15.73	AV	360.00	150	Horizontal	Pass
4	5239.000	105.14	-4.26	--	--	Peak	247.00	150	Horizontal	N/A
4**	5239.000	98.04	-4.26	--	--	AV	247.00	150	Horizontal	N/A
5	7426.650	48.46	-4.07	74.0	-25.54	Peak	311.00	150	Horizontal	Pass
5**	7426.650	38.95	-4.07	54.0	-15.05	AV	311.00	150	Horizontal	Pass
6	12102.263	51.25	-0.99	74.0	-22.75	Peak	137.00	150	Horizontal	Pass
6**	12102.263	42.05	-0.99	54.0	-11.95	AV	137.00	150	Horizontal	Pass

11a, Band I, 1 GHz to 18 GHz, High channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.300	38.91	-18.45	74.0	-35.09	Peak	155.00	150	Vertical	Pass
1**	1164.300	34.09	-18.45	54.0	-19.91	AV	155.00	150	Vertical	Pass
2	2767.600	43.12	-11.54	74.0	-30.88	Peak	133.00	150	Vertical	Pass
2**	2767.600	33.34	-11.54	54.0	-20.66	AV	133.00	150	Vertical	Pass
3	3929.800	49.55	-6.92	74.0	-24.45	Peak	240.00	150	Vertical	Pass
3**	3929.800	43.09	-6.92	54.0	-10.91	AV	240.00	150	Vertical	Pass
4	5239.000	105.50	-4.26	--	--	Peak	288.00	150	Vertical	N/A
4**	5239.000	98.37	-4.26	--	--	AV	288.00	150	Vertical	N/A
5	7430.962	48.17	-4.39	74.0	-25.83	Peak	259.00	150	Vertical	Pass
5**	7430.962	39.76	-4.39	54.0	-14.24	AV	259.00	150	Vertical	Pass
6	12263.262	50.81	0.05	74.0	-23.19	Peak	293.00	150	Vertical	Pass
6**	12263.262	41.96	0.05	54.0	-12.04	AV	293.00	150	Vertical	Pass

11n20, Band I, 1 GHz to 18 GHz, Low channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1214.800	39.30	-18.21	74.0	-34.70	Peak	289.00	150	Horizontal	Pass
1**	1214.800	31.98	-18.21	54.0	-22.02	AV	289.00	150	Horizontal	Pass
2	2784.600	43.95	-11.26	74.0	-30.05	Peak	206.00	150	Horizontal	Pass
2**	2784.600	33.95	-11.26	54.0	-20.05	AV	206.00	150	Horizontal	Pass
3	4021.200	47.23	-6.53	74.0	-26.77	Peak	177.00	150	Horizontal	Pass
3**	4021.200	38.18	-6.53	54.0	-15.82	AV	177.00	150	Horizontal	Pass
4	5182.000	104.59	-3.92	--	--	Peak	238.00	150	Horizontal	N/A
4**	5182.000	97.03	-3.92	--	--	AV	238.00	150	Horizontal	N/A
5	7521.238	48.64	-4.27	74.0	-25.36	Peak	119.00	150	Horizontal	Pass
5**	7521.238	38.84	-4.27	54.0	-15.16	AV	119.00	150	Horizontal	Pass
6	12237.674	51.01	-0.32	74.0	-22.99	Peak	102.00	150	Horizontal	Pass
6**	12237.674	42.51	-0.32	54.0	-11.49	AV	102.00	150	Horizontal	Pass

11n20, Band I, 1 GHz to 18 GHz, Low channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1214.900	40.92	-18.21	74.0	-33.08	Peak	130.00	150	Vertical	Pass
1**	1214.900	34.51	-18.21	54.0	-19.49	AV	130.00	150	Vertical	Pass
2	2800.300	43.20	-11.40	74.0	-30.80	Peak	77.00	150	Vertical	Pass
2**	2800.300	33.73	-11.40	54.0	-20.27	AV	77.00	150	Vertical	Pass
3	3930.000	47.67	-6.91	74.0	-26.33	Peak	254.00	150	Vertical	Pass
3**	3930.000	43.52	-6.91	54.0	-10.48	AV	254.00	150	Vertical	Pass
4	5182.200	105.38	-3.91	--	--	Peak	121.00	150	Vertical	N/A
4**	5182.200	98.04	-3.91	--	--	AV	121.00	150	Vertical	N/A
5	7457.700	48.28	-4.50	74.0	-25.72	Peak	172.00	150	Vertical	Pass
5**	7457.700	38.32	-4.50	54.0	-15.68	AV	172.00	150	Vertical	Pass
6	12105.425	51.13	-0.93	74.0	-22.87	Peak	154.00	150	Vertical	Pass
6**	12105.425	42.62	-0.93	54.0	-11.38	AV	154.00	150	Vertical	Pass

11n20, Band I, 1 GHz to 18 GHz, Middle channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1196.700	40.61	-18.17	74.0	-33.39	Peak	333.00	150	Horizontal	Pass
1**	1196.700	29.77	-18.17	54.0	-24.23	AV	333.00	150	Horizontal	Pass
2	2780.300	43.54	-11.35	74.0	-30.46	Peak	248.00	150	Horizontal	Pass
2**	2780.300	33.44	-11.35	54.0	-20.56	AV	248.00	150	Horizontal	Pass
3	4081.000	47.38	-5.11	74.0	-26.62	Peak	292.00	150	Horizontal	Pass
3**	4081.000	37.62	-5.11	54.0	-16.38	AV	292.00	150	Horizontal	Pass
4	5201.000	104.24	-3.99	--	--	Peak	242.00	150	Horizontal	N/A
4**	5201.000	96.52	-3.99	--	--	AV	242.00	150	Horizontal	N/A
5	7446.775	47.72	-4.52	74.0	-26.28	Peak	0.00	150	Horizontal	Pass
5**	7446.775	39.79	-4.52	54.0	-14.21	AV	0.00	150	Horizontal	Pass
6	12277.925	51.40	0.08	74.0	-22.60	Peak	240.00	150	Horizontal	Pass
6**	12277.925	41.76	0.08	54.0	-12.24	AV	240.00	150	Horizontal	Pass

11n20, Band I, 1 GHz to 18 GHz, Middle channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1215.300	39.74	-18.20	74.0	-34.26	Peak	155.00	150	Vertical	Pass
1**	1215.300	34.19	-18.20	54.0	-19.81	AV	155.00	150	Vertical	Pass
2	2789.500	42.47	-11.09	74.0	-31.53	Peak	104.00	150	Vertical	Pass
2**	2789.500	34.04	-11.09	54.0	-19.96	AV	104.00	150	Vertical	Pass
3	3929.800	48.04	-6.92	74.0	-25.96	Peak	261.00	150	Vertical	Pass
3**	3929.800	42.26	-6.92	54.0	-11.74	AV	261.00	150	Vertical	Pass
4	5201.000	105.01	-3.99	--	--	Peak	118.00	150	Vertical	N/A
4**	5201.000	97.94	-3.99	--	--	AV	118.00	150	Vertical	N/A
5	7444.763	48.35	-4.44	74.0	-25.65	Peak	64.00	150	Vertical	Pass
5**	7444.763	39.80	-4.44	54.0	-14.20	AV	64.00	150	Vertical	Pass
6	11582.750	51.75	-0.00	74.0	-22.25	Peak	276.00	150	Vertical	Pass
6**	11582.750	41.85	-0.00	54.0	-12.15	AV	276.00	150	Vertical	Pass

11n20, Band I, 1 GHz to 18 GHz, High channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1194.300	40.74	-18.25	74.0	-33.26	Peak	281.00	150	Horizontal	Pass
1**	1194.300	29.08	-18.25	54.0	-24.92	AV	281.00	150	Horizontal	Pass
2	2799.100	42.98	-11.41	74.0	-31.02	Peak	34.00	150	Horizontal	Pass
2**	2799.100	33.68	-11.41	54.0	-20.32	AV	34.00	150	Horizontal	Pass
3	3929.600	46.17	-6.94	74.0	-27.83	Peak	302.00	150	Horizontal	Pass
3**	3929.600	38.24	-6.94	54.0	-15.76	AV	302.00	150	Horizontal	Pass
4	5240.600	104.29	-4.16	--	--	Peak	248.00	150	Horizontal	N/A
4**	5240.600	97.02	-4.16	--	--	AV	248.00	150	Horizontal	N/A
5	7447.350	48.38	-4.53	74.0	-25.62	Peak	186.00	150	Horizontal	Pass
5**	7447.350	39.93	-4.53	54.0	-14.07	AV	186.00	150	Horizontal	Pass
6	12137.338	51.49	-0.68	74.0	-22.51	Peak	328.00	150	Horizontal	Pass
6**	12137.338	41.99	-0.68	54.0	-12.01	AV	328.00	150	Horizontal	Pass

11n20, Band I, 1 GHz to 18 GHz, High channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1214.900	40.13	-18.21	74.0	-33.87	Peak	171.00	150	Vertical	Pass
1**	1214.900	33.96	-18.21	54.0	-20.04	AV	171.00	150	Vertical	Pass
2	2830.900	42.85	-11.78	74.0	-31.15	Peak	280.00	150	Vertical	Pass
2**	2830.900	33.62	-11.78	54.0	-20.38	AV	280.00	150	Vertical	Pass
3	3929.800	47.80	-6.92	74.0	-26.20	Peak	261.00	150	Vertical	Pass
3**	3929.800	42.41	-6.92	54.0	-11.59	AV	261.00	150	Vertical	Pass
4	5241.000	104.67	-4.19	--	--	Peak	285.00	150	Vertical	N/A
4**	5241.000	97.52	-4.19	--	--	AV	285.00	150	Vertical	N/A
5	7444.188	48.48	-4.41	74.0	-25.52	Peak	276.00	150	Vertical	Pass
5**	7444.188	38.88	-4.41	54.0	-15.12	AV	276.00	150	Vertical	Pass
6	12272.750	51.08	0.07	74.0	-22.92	Peak	50.00	150	Vertical	Pass
6**	12272.750	42.35	0.07	54.0	-11.65	AV	50.00	150	Vertical	Pass

11n40, Band I, 1 GHz to 18 GHz, Low channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1203.900	40.47	-18.11	74.0	-33.53	Peak	286.00	150	Horizontal	Pass
1**	1203.900	28.10	-18.11	54.0	-25.90	AV	286.00	150	Horizontal	Pass
2	2288.700	43.79	-13.61	74.0	-30.21	Peak	302.00	150	Horizontal	Pass
2**	2288.700	33.11	-13.61	54.0	-20.89	AV	302.00	150	Horizontal	Pass
3	4101.000	47.19	-5.94	74.0	-26.81	Peak	295.00	150	Horizontal	Pass
3**	4101.000	38.12	-5.94	54.0	-15.88	AV	295.00	150	Horizontal	Pass
4	5194.200	101.35	-3.93	--	--	Peak	254.00	150	Horizontal	N/A
4**	5194.200	93.73	-3.93	--	--	AV	254.00	150	Horizontal	N/A
5	7431.538	49.24	-4.40	74.0	-24.76	Peak	58.00	150	Horizontal	Pass
5**	7431.538	39.59	-4.40	54.0	-14.41	AV	58.00	150	Horizontal	Pass
6	12272.463	50.98	0.07	74.0	-23.02	Peak	345.00	150	Horizontal	Pass
6**	12272.463	41.86	0.07	54.0	-12.14	AV	345.00	150	Horizontal	Pass

11n40, Band I, 1 GHz to 18 GHz, Low channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1202.200	39.84	-18.06	74.0	-34.16	Peak	205.00	150	Vertical	Pass
1**	1202.200	29.07	-18.06	54.0	-24.93	AV	205.00	150	Vertical	Pass
2	2349.500	45.50	-13.68	74.0	-28.50	Peak	250.00	150	Vertical	Pass
2**	2349.500	34.25	-13.68	54.0	-19.75	AV	250.00	150	Vertical	Pass
3	3929.600	48.55	-6.94	74.0	-25.45	Peak	167.00	150	Vertical	Pass
3**	3929.600	40.96	-6.94	54.0	-13.04	AV	167.00	150	Vertical	Pass
4	5192.800	103.00	-3.89	--	--	Peak	131.00	150	Vertical	N/A
4**	5192.800	97.17	-3.89	--	--	AV	131.00	150	Vertical	N/A
5	7371.450	48.94	-4.73	74.0	-25.06	Peak	58.00	150	Vertical	Pass
5**	7371.450	39.51	-4.73	54.0	-14.49	AV	58.00	150	Vertical	Pass
6	11649.450	51.26	-0.34	74.0	-22.74	Peak	167.00	150	Vertical	Pass
6**	11649.450	42.41	-0.34	54.0	-11.59	AV	167.00	150	Vertical	Pass

11n40, Band I, 1 GHz to 18 GHz, High channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1204.500	40.65	-18.14	74.0	-33.35	Peak	272.00	150	Horizontal	Pass
1**	1204.500	28.00	-18.14	54.0	-26.00	AV	272.00	150	Horizontal	Pass
2	2273.500	43.00	-13.62	74.0	-31.00	Peak	195.00	150	Horizontal	Pass
2**	2273.500	34.35	-13.62	54.0	-19.65	AV	195.00	150	Horizontal	Pass
3	4287.000	47.79	-5.19	74.0	-26.21	Peak	223.00	150	Horizontal	Pass
3**	4287.000	38.33	-5.19	54.0	-15.67	AV	223.00	150	Horizontal	Pass
4	5233.000	102.23	-4.21	--	--	Peak	247.00	150	Horizontal	N/A
4**	5233.000	94.67	-4.21	--	--	AV	247.00	150	Horizontal	N/A
5	7443.325	49.21	-4.35	74.0	-24.79	Peak	212.00	150	Horizontal	Pass
5**	7443.325	39.68	-4.35	54.0	-14.32	AV	212.00	150	Horizontal	Pass
6	12181.613	51.99	-0.96	74.0	-22.01	Peak	0.00	150	Horizontal	Pass
6**	12181.613	41.69	-0.96	54.0	-12.31	AV	0.00	150	Horizontal	Pass

11n40, Band I, 1 GHz to 18 GHz, High channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1012.400	40.56	-18.45	74.0	-33.44	Peak	98.00	150	Vertical	Pass
1**	1012.400	31.01	-18.45	54.0	-22.99	AV	98.00	150	Vertical	Pass
2	2358.300	44.02	-13.92	74.0	-29.98	Peak	126.00	150	Vertical	Pass
2**	2358.300	38.48	-13.92	54.0	-15.52	AV	126.00	150	Vertical	Pass
3	3930.000	47.93	-6.91	74.0	-26.07	Peak	183.00	150	Vertical	Pass
3**	3930.000	42.73	-6.91	54.0	-11.27	AV	183.00	150	Vertical	Pass
4	5228.400	102.28	-4.08	--	--	Peak	121.00	150	Vertical	N/A
4**	5228.400	95.02	-4.08	--	--	AV	121.00	150	Vertical	N/A
5	7435.850	48.49	-4.35	74.0	-25.51	Peak	329.00	150	Vertical	Pass
5**	7435.850	40.06	-4.35	54.0	-13.94	AV	329.00	150	Vertical	Pass
6	12327.950	50.89	-0.62	74.0	-23.11	Peak	57.00	150	Vertical	Pass
6**	12327.950	42.55	-0.62	54.0	-11.45	AV	57.00	150	Vertical	Pass

11ac20, Band I, 1 GHz to 18 GHz, Low channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1114.000	38.47	-18.63	74.0	-35.53	Peak	233.00	150	Horizontal	Pass
1**	1114.000	30.90	-18.63	54.0	-23.10	AV	233.00	150	Horizontal	Pass
2	2782.600	43.11	-11.29	74.0	-30.89	Peak	346.00	150	Horizontal	Pass
2**	2782.600	33.89	-11.29	54.0	-20.11	AV	346.00	150	Horizontal	Pass
3	3926.000	46.24	-6.87	74.0	-27.76	Peak	164.00	150	Horizontal	Pass
3**	3926.000	37.11	-6.87	54.0	-16.89	AV	164.00	150	Horizontal	Pass
4	5177.400	104.00	-3.99	--	--	Peak	246.00	150	Horizontal	N/A
4**	5177.400	96.73	-3.99	--	--	AV	246.00	150	Horizontal	N/A
5	7439.013	48.73	-4.37	74.0	-25.27	Peak	360.00	150	Horizontal	Pass
5**	7439.013	38.95	-4.37	54.0	-15.05	AV	360.00	150	Horizontal	Pass
6	12325.363	51.53	-0.54	74.0	-22.47	Peak	156.00	150	Horizontal	Pass
6**	12325.363	41.56	-0.54	54.0	-12.44	AV	156.00	150	Horizontal	Pass

11ac20, Band I, 1 GHz to 18 GHz, Low channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.200	39.52	-18.45	74.0	-34.48	Peak	166.00	150	Vertical	Pass
1**	1164.200	33.55	-18.45	54.0	-20.45	AV	166.00	150	Vertical	Pass
2	2854.900	43.29	-11.50	74.0	-30.71	Peak	261.00	150	Vertical	Pass
2**	2854.900	33.29	-11.50	54.0	-20.71	AV	261.00	150	Vertical	Pass
3	3930.000	47.36	-6.91	74.0	-26.64	Peak	190.00	150	Vertical	Pass
3**	3930.000	42.95	-6.91	54.0	-11.05	AV	190.00	150	Vertical	Pass
4	5183.000	104.60	-3.90	--	--	Peak	124.00	150	Vertical	N/A
4**	5183.000	97.25	-3.90	--	--	AV	124.00	150	Vertical	N/A
5	7416.013	48.50	-4.07	74.0	-25.50	Peak	298.00	150	Vertical	Pass
5**	7416.013	39.66	-4.07	54.0	-14.34	AV	298.00	150	Vertical	Pass
6	11593.675	51.94	-0.10	74.0	-22.06	Peak	280.00	150	Vertical	Pass
6**	11593.675	42.53	-0.10	54.0	-11.47	AV	280.00	150	Vertical	Pass

11ac20, Band I, 1 GHz to 18 GHz, Middle channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.400	41.00	-18.24	74.0	-33.00	Peak	272.00	150	Horizontal	Pass
1**	1199.400	29.38	-18.24	54.0	-24.62	AV	272.00	150	Horizontal	Pass
2	2804.800	43.46	-11.56	74.0	-30.54	Peak	26.00	150	Horizontal	Pass
2**	2804.800	33.23	-11.56	54.0	-20.77	AV	26.00	150	Horizontal	Pass
3	3878.200	46.79	-7.06	74.0	-27.21	Peak	213.00	150	Horizontal	Pass
3**	3878.200	37.69	-7.06	54.0	-16.31	AV	213.00	150	Horizontal	Pass
4	5202.600	103.65	-3.96	--	--	Peak	249.00	150	Horizontal	N/A
4**	5202.600	96.50	-3.96	--	--	AV	249.00	150	Horizontal	N/A
5	7432.400	49.06	-4.40	74.0	-24.94	Peak	0.00	150	Horizontal	Pass
5**	7432.400	39.19	-4.40	54.0	-14.81	AV	0.00	150	Horizontal	Pass
6	11657.213	50.87	-0.43	74.0	-23.13	Peak	271.00	150	Horizontal	Pass
6**	11657.213	42.37	-0.43	54.0	-11.63	AV	271.00	150	Horizontal	Pass

11ac20, Band I, 1 GHz to 18 GHz, Middle channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1214.700	39.88	-18.21	74.0	-34.12	Peak	161.00	150	Vertical	Pass
1**	1214.700	32.65	-18.21	54.0	-21.35	AV	161.00	150	Vertical	Pass
2	2775.000	43.07	-11.42	74.0	-30.93	Peak	14.00	150	Vertical	Pass
2**	2775.000	34.69	-11.42	54.0	-19.31	AV	14.00	150	Vertical	Pass
3	3930.200	47.46	-6.90	74.0	-26.54	Peak	185.00	150	Vertical	Pass
3**	3930.200	43.26	-6.90	54.0	-10.74	AV	185.00	150	Vertical	Pass
4	5201.000	105.55	-3.99	--	--	Peak	129.00	150	Vertical	N/A
4**	5201.000	98.17	-3.99	--	--	AV	129.00	150	Vertical	N/A
5	7423.487	48.08	-4.08	74.0	-25.92	Peak	267.00	150	Vertical	Pass
5**	7423.487	39.98	-4.08	54.0	-14.02	AV	267.00	150	Vertical	Pass
6	12005.662	51.61	-1.28	74.0	-22.39	Peak	55.00	150	Vertical	Pass
6**	12005.662	42.13	-1.28	54.0	-11.87	AV	55.00	150	Vertical	Pass

11ac20, Band I, 1 GHz to 18 GHz, High channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.900	40.88	-18.17	74.0	-33.12	Peak	105.00	150	Horizontal	Pass
1**	1199.900	29.19	-18.17	54.0	-24.81	AV	105.00	150	Horizontal	Pass
2	2835.600	43.39	-11.83	74.0	-30.61	Peak	9.00	150	Horizontal	Pass
2**	2835.600	33.30	-11.83	54.0	-20.70	AV	9.00	150	Horizontal	Pass
3	4017.000	47.40	-6.52	74.0	-26.60	Peak	332.00	150	Horizontal	Pass
3**	4017.000	38.44	-6.52	54.0	-15.56	AV	332.00	150	Horizontal	Pass
4	5239.600	104.56	-4.21	--	--	Peak	254.00	150	Horizontal	N/A
4**	5239.600	97.34	-4.21	--	--	AV	254.00	150	Horizontal	N/A
5	7367.138	48.46	-4.88	74.0	-25.54	Peak	59.00	150	Horizontal	Pass
5**	7367.138	39.48	-4.88	54.0	-14.52	AV	59.00	150	Horizontal	Pass
6	12105.425	50.68	-0.93	74.0	-23.32	Peak	39.00	150	Horizontal	Pass
6**	12105.425	42.22	-0.93	54.0	-11.78	AV	39.00	150	Horizontal	Pass

11ac20, Band I, 1 GHz to 18 GHz, High channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1215.100	40.34	-18.20	74.0	-33.66	Peak	158.00	150	Vertical	Pass
1**	1215.100	34.13	-18.20	54.0	-19.87	AV	158.00	150	Vertical	Pass
2	2764.600	43.00	-11.56	74.0	-31.00	Peak	25.00	150	Vertical	Pass
2**	2764.600	33.88	-11.56	54.0	-20.12	AV	25.00	150	Vertical	Pass
3	3930.000	48.24	-6.91	74.0	-25.76	Peak	265.00	150	Vertical	Pass
3**	3930.000	44.29	-6.91	54.0	-9.71	AV	265.00	150	Vertical	Pass
4	5239.000	105.08	-4.26	--	--	Peak	132.00	150	Vertical	N/A
4**	5239.000	98.57	-4.26	--	--	AV	132.00	150	Vertical	N/A
5	7524.400	48.17	-4.39	74.0	-25.83	Peak	242.00	150	Vertical	Pass
5**	7524.400	39.12	-4.39	54.0	-14.88	AV	242.00	150	Vertical	Pass
6	12257.225	51.32	0.00	74.0	-22.68	Peak	242.00	150	Vertical	Pass
6**	12257.225	42.24	0.00	54.0	-11.76	AV	242.00	150	Vertical	Pass

11ac40, Band I, 1 GHz to 18 GHz, Low channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.500	39.86	-18.23	74.0	-34.14	Peak	290.00	150	Horizontal	Pass
1**	1197.500	28.36	-18.23	54.0	-25.64	AV	290.00	150	Horizontal	Pass
2	2232.200	44.93	-13.74	74.0	-29.07	Peak	135.00	150	Horizontal	Pass
2**	2232.200	32.32	-13.74	54.0	-21.68	AV	135.00	150	Horizontal	Pass
3	4220.200	47.70	-6.00	74.0	-26.30	Peak	61.00	150	Horizontal	Pass
3**	4220.200	37.43	-6.00	54.0	-16.57	AV	61.00	150	Horizontal	Pass
4	5191.400	101.18	-3.83	--	--	Peak	251.00	150	Horizontal	N/A
4**	5191.400	94.21	-3.83	--	--	AV	251.00	150	Horizontal	N/A
5	7427.513	48.92	-4.12	74.0	-25.08	Peak	125.00	150	Horizontal	Pass
5**	7427.513	39.17	-4.12	54.0	-14.83	AV	125.00	150	Horizontal	Pass
6	12333.412	51.66	-0.78	74.0	-22.34	Peak	0.00	150	Horizontal	Pass
6**	12333.412	41.55	-0.78	54.0	-12.45	AV	0.00	150	Horizontal	Pass

11ac40, Band I, 1 GHz to 18 GHz, Low channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1205.700	39.52	-18.15	74.0	-34.48	Peak	217.00	150	Vertical	Pass
1**	1205.700	28.13	-18.15	54.0	-25.87	AV	217.00	150	Vertical	Pass
2	2357.900	44.39	-13.90	74.0	-29.61	Peak	253.00	150	Vertical	Pass
2**	2357.900	37.76	-13.90	54.0	-16.24	AV	253.00	150	Vertical	Pass
3	3930.200	48.62	-6.90	74.0	-25.38	Peak	196.00	150	Vertical	Pass
3**	3930.200	43.30	-6.90	54.0	-10.70	AV	196.00	150	Vertical	Pass
4	5195.000	103.16	-3.93	--	--	Peak	133.00	150	Vertical	N/A
4**	5195.000	95.86	-3.93	--	--	AV	133.00	150	Vertical	N/A
5	7446.200	48.47	-4.50	74.0	-25.53	Peak	0.00	150	Vertical	Pass
5**	7446.200	39.16	-4.50	54.0	-14.84	AV	0.00	150	Vertical	Pass
6	12093.924	51.60	-1.12	74.0	-22.40	Peak	152.00	150	Vertical	Pass
6**	12093.924	42.21	-1.12	54.0	-11.79	AV	152.00	150	Vertical	Pass

11ac40, Band I, 1 GHz to 18 GHz, High channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1204.400	40.35	-18.13	74.0	-33.65	Peak	280.00	150	Horizontal	Pass
1**	1204.400	28.90	-18.13	54.0	-25.10	AV	280.00	150	Horizontal	Pass
2	2358.100	45.26	-13.91	74.0	-28.74	Peak	245.00	150	Horizontal	Pass
2**	2358.100	40.68	-13.91	54.0	-13.32	AV	245.00	150	Horizontal	Pass
3	3930.400	47.32	-6.89	74.0	-26.68	Peak	360.00	150	Horizontal	Pass
3**	3930.400	39.80	-6.89	54.0	-14.20	AV	360.00	150	Horizontal	Pass
4	5232.600	101.89	-4.22	--	--	Peak	242.00	150	Horizontal	N/A
4**	5232.600	95.18	-4.22	--	--	AV	242.00	150	Horizontal	N/A
5	7393.587	48.88	-4.25	74.0	-25.12	Peak	163.00	150	Horizontal	Pass
5**	7393.587	39.53	-4.25	54.0	-14.47	AV	163.00	150	Horizontal	Pass
6	12269.013	51.94	0.06	74.0	-22.06	Peak	0.00	150	Horizontal	Pass
6**	12269.013	42.65	0.06	54.0	-11.35	AV	0.00	150	Horizontal	Pass

11ac40, Band I, 1 GHz to 18 GHz, High channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.800	40.10	-18.04	74.0	-33.90	Peak	207.00	150	Vertical	Pass
1**	1200.800	29.54	-18.04	54.0	-24.46	AV	207.00	150	Vertical	Pass
2	2358.000	44.40	-13.90	74.0	-29.60	Peak	222.00	150	Vertical	Pass
2**	2358.000	39.53	-13.90	54.0	-14.47	AV	222.00	150	Vertical	Pass
3	3929.600	47.15	-6.94	74.0	-26.85	Peak	178.00	150	Vertical	Pass
3**	3929.600	41.08	-6.94	54.0	-12.92	AV	178.00	150	Vertical	Pass
4	5228.600	102.70	-4.09	--	--	Peak	138.00	150	Vertical	N/A
4**	5228.600	94.82	-4.09	--	--	AV	138.00	150	Vertical	N/A
5	7445.913	48.38	-4.49	74.0	-25.62	Peak	202.00	150	Vertical	Pass
5**	7445.913	39.30	-4.49	54.0	-14.70	AV	202.00	150	Vertical	Pass
6	12256.938	51.31	-0.00	74.0	-22.69	Peak	256.00	150	Vertical	Pass
6**	12256.938	41.52	-0.00	54.0	-12.48	AV	256.00	150	Vertical	Pass

11ac80, Band I, 1 GHz to 18 GHz, Middle channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.700	41.15	-18.20	74.0	-32.85	Peak	269.00	150	Horizontal	Pass
1**	1199.700	29.58	-18.20	54.0	-24.42	AV	269.00	150	Horizontal	Pass
2	2208.400	44.66	-13.38	74.0	-29.34	Peak	124.00	150	Horizontal	Pass
2**	2208.400	32.89	-13.38	54.0	-21.11	AV	124.00	150	Horizontal	Pass
3	4020.400	47.12	-6.57	74.0	-26.88	Peak	176.00	150	Horizontal	Pass
3**	4020.400	36.75	-6.57	54.0	-17.25	AV	176.00	150	Horizontal	Pass
4	5192.600	99.96	-3.88	--	--	Peak	245.00	150	Horizontal	N/A
4**	5192.600	92.53	-3.88	--	--	AV	245.00	150	Horizontal	N/A
5	7417.163	48.18	-4.09	74.0	-25.82	Peak	55.00	150	Horizontal	Pass
5**	7417.163	39.35	-4.09	54.0	-14.65	AV	55.00	150	Horizontal	Pass
6	11664.687	51.02	-0.59	74.0	-22.98	Peak	310.00	150	Horizontal	Pass
6**	11664.687	41.82	-0.59	54.0	-12.18	AV	310.00	150	Horizontal	Pass

11ac80, Band I, 1 GHz to 18 GHz, Middle channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.900	40.26	-17.79	74.0	-33.74	Peak	110.00	150	Vertical	Pass
1**	1328.900	29.27	-17.79	54.0	-24.73	AV	110.00	150	Vertical	Pass
2	2341.900	44.13	-13.60	74.0	-29.87	Peak	6.00	150	Vertical	Pass
2**	2341.900	33.46	-13.60	54.0	-20.54	AV	6.00	150	Vertical	Pass
3	3930.400	48.75	-6.89	74.0	-25.25	Peak	191.00	150	Vertical	Pass
3**	3930.400	43.70	-6.89	54.0	-10.30	AV	191.00	150	Vertical	Pass
4	5194.000	101.62	-3.93	--	--	Peak	138.00	150	Vertical	N/A
4**	5194.000	94.30	-3.93	--	--	AV	138.00	150	Vertical	N/A
5	7340.687	48.57	-5.16	74.0	-25.43	Peak	219.00	150	Vertical	Pass
5**	7340.687	39.10	-5.16	54.0	-14.90	AV	219.00	150	Vertical	Pass
6	12185.925	51.38	-0.91	74.0	-22.62	Peak	201.00	150	Vertical	Pass
6**	12185.925	41.38	-0.91	54.0	-12.62	AV	201.00	150	Vertical	Pass

11a, Band IV, 1 GHz to 18 GHz, Low channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.700	40.24	-18.33	74.0	-33.76	Peak	135.00	150	Horizontal	Pass
1**	1198.700	29.75	-18.33	54.0	-24.25	AV	135.00	150	Horizontal	Pass
2	2227.500	43.22	-13.57	74.0	-30.78	Peak	149.00	150	Horizontal	Pass
2**	2227.500	36.78	-13.57	54.0	-17.22	AV	149.00	150	Horizontal	Pass
3	4787.800	50.15	-3.92	74.0	-23.85	Peak	327.00	150	Horizontal	Pass
3**	4787.800	39.71	-3.92	54.0	-14.29	AV	327.00	150	Horizontal	Pass
4	5742.600	107.19	-4.06	--	--	Peak	194.00	150	Horizontal	N/A
4**	5742.600	99.90	-4.06	--	--	AV	194.00	150	Horizontal	N/A
5	7424.637	48.35	-4.07	74.0	-25.65	Peak	329.00	150	Horizontal	Pass
5**	7424.637	39.32	-4.07	54.0	-14.68	AV	329.00	150	Horizontal	Pass
6	11569.812	51.08	0.07	74.0	-22.92	Peak	168.00	150	Horizontal	Pass
6**	11569.812	41.72	0.07	54.0	-12.28	AV	168.00	150	Horizontal	Pass

11a, Band IV, 1 GHz to 18 GHz, Low channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1214.900	41.68	-18.21	74.0	-32.32	Peak	51.00	150	Vertical	Pass
1**	1214.900	34.86	-18.21	54.0	-19.14	AV	51.00	150	Vertical	Pass
2	2865.300	46.86	-11.36	74.0	-27.14	Peak	250.00	150	Vertical	Pass
2**	2865.300	38.83	-11.36	54.0	-15.17	AV	250.00	150	Vertical	Pass
3	3930.000	49.41	-6.91	74.0	-24.59	Peak	203.00	150	Vertical	Pass
3**	3930.000	43.84	-6.91	54.0	-10.16	AV	203.00	150	Vertical	Pass
4	5743.800	103.13	-3.99	--	--	Peak	302.00	150	Vertical	N/A
4**	5743.800	95.31	-3.99	--	--	AV	302.00	150	Vertical	N/A
5	7586.788	48.02	-4.66	74.0	-25.98	Peak	360.00	150	Vertical	Pass
5**	7586.788	38.89	-4.66	54.0	-15.11	AV	360.00	150	Vertical	Pass
6	12248.887	50.92	-0.12	74.0	-23.08	Peak	320.00	150	Vertical	Pass
6**	12248.887	42.00	-0.12	54.0	-12.00	AV	320.00	150	Vertical	Pass

11a, Band IV, 1 GHz to 18 GHz, Middle channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.500	40.82	-18.23	74.0	-33.18	Peak	124.00	150	Horizontal	Pass
1**	1197.500	29.80	-18.23	54.0	-24.20	AV	124.00	150	Horizontal	Pass
2	2227.200	43.27	-13.56	74.0	-30.73	Peak	140.00	150	Horizontal	Pass
2**	2227.200	36.01	-13.56	54.0	-17.99	AV	140.00	150	Horizontal	Pass
3	4329.400	48.31	-5.28	74.0	-25.69	Peak	238.00	150	Horizontal	Pass
3**	4329.400	38.62	-5.28	54.0	-15.38	AV	238.00	150	Horizontal	Pass
4	5782.800	107.13	-3.14	--	--	Peak	188.00	150	Horizontal	N/A
4**	5782.800	99.57	-3.14	--	--	AV	188.00	150	Horizontal	N/A
5	7533.025	47.98	-4.20	74.0	-26.02	Peak	0.00	150	Horizontal	Pass
5**	7533.025	38.43	-4.20	54.0	-15.57	AV	0.00	150	Horizontal	Pass
6	12002.500	51.42	-1.30	74.0	-22.58	Peak	307.00	150	Horizontal	Pass
6**	12002.500	41.48	-1.30	54.0	-12.52	AV	307.00	150	Horizontal	Pass

11a, Band IV, 1 GHz to 18 GHz, Middle channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1215.100	41.77	-18.20	74.0	-32.23	Peak	47.00	150	Vertical	Pass
1**	1215.100	33.84	-18.20	54.0	-20.16	AV	47.00	150	Vertical	Pass
2	2357.900	44.39	-13.90	74.0	-29.61	Peak	130.00	150	Vertical	Pass
2**	2357.900	40.47	-13.90	54.0	-13.53	AV	130.00	150	Vertical	Pass
3	3930.000	47.50	-6.91	74.0	-26.50	Peak	199.00	150	Vertical	Pass
3**	3930.000	42.94	-6.91	54.0	-11.06	AV	199.00	150	Vertical	Pass
4	5786.200	102.13	-3.07	--	--	Peak	199.00	150	Vertical	N/A
4**	5786.200	94.71	-3.07	--	--	AV	199.00	150	Vertical	N/A
5	7437.000	48.53	-4.34	74.0	-25.47	Peak	31.00	150	Vertical	Pass
5**	7437.000	38.92	-4.34	54.0	-15.08	AV	31.00	150	Vertical	Pass
6	12235.375	51.08	-0.31	74.0	-22.92	Peak	256.00	150	Vertical	Pass
6**	12235.375	41.61	-0.31	54.0	-12.39	AV	256.00	150	Vertical	Pass

11a, Band IV, 1 GHz to 18 GHz, High channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.500	41.05	-18.04	74.0	-32.95	Peak	128.00	150	Horizontal	Pass
1**	1201.500	30.25	-18.04	54.0	-23.75	AV	128.00	150	Horizontal	Pass
2	2278.600	43.77	-13.59	74.0	-30.23	Peak	286.00	150	Horizontal	Pass
2**	2278.600	32.36	-13.59	54.0	-21.64	AV	286.00	150	Horizontal	Pass
3	4086.800	47.48	-5.30	74.0	-26.52	Peak	181.00	150	Horizontal	Pass
3**	4086.800	37.72	-5.30	54.0	-16.28	AV	181.00	150	Horizontal	Pass
4	5825.800	107.48	-2.92	--	--	Peak	195.00	150	Horizontal	N/A
4**	5825.800	100.68	-2.92	--	--	AV	195.00	150	Horizontal	N/A
5	7557.175	47.91	-4.50	74.0	-26.09	Peak	225.00	150	Horizontal	Pass
5**	7557.175	38.75	-4.50	54.0	-15.25	AV	225.00	150	Horizontal	Pass
6	12264.700	51.31	0.05	74.0	-22.69	Peak	276.00	150	Horizontal	Pass
6**	12264.700	42.01	0.05	54.0	-11.99	AV	276.00	150	Horizontal	Pass

11a, Band IV, 1 GHz to 18 GHz, High channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1214.700	40.78	-18.21	74.0	-33.22	Peak	46.00	150	Vertical	Pass
1**	1214.700	34.49	-18.21	54.0	-19.51	AV	46.00	150	Vertical	Pass
2	2358.100	44.55	-13.91	74.0	-29.45	Peak	143.00	150	Vertical	Pass
2**	2358.100	40.50	-13.91	54.0	-13.50	AV	143.00	150	Vertical	Pass
3	3930.000	47.55	-6.91	74.0	-26.45	Peak	158.00	150	Vertical	Pass
3**	3930.000	43.83	-6.91	54.0	-10.17	AV	158.00	150	Vertical	Pass
4	5823.800	102.18	-2.91	--	--	Peak	300.00	150	Vertical	N/A
4**	5823.800	94.79	-2.91	--	--	AV	300.00	150	Vertical	N/A
5	7454.538	48.91	-4.45	74.0	-25.09	Peak	14.00	150	Vertical	Pass
5**	7454.538	40.76	-4.45	54.0	-13.24	AV	14.00	150	Vertical	Pass
6	12244.000	51.35	-0.23	74.0	-22.65	Peak	152.00	150	Vertical	Pass
6**	12244.000	42.06	-0.23	54.0	-11.94	AV	152.00	150	Vertical	Pass

11n20, Band IV, 1 GHz to 18 GHz, Low channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.800	40.64	-18.04	74.0	-33.36	Peak	129.00	150	Horizontal	Pass
1**	1200.800	29.57	-18.04	54.0	-24.43	AV	129.00	150	Horizontal	Pass
2	2227.600	43.89	-13.58	74.0	-30.11	Peak	258.00	150	Horizontal	Pass
2**	2227.600	38.09	-13.58	54.0	-15.91	AV	258.00	150	Horizontal	Pass
3	3929.800	46.98	-6.92	74.0	-27.02	Peak	301.00	150	Horizontal	Pass
3**	3929.800	38.69	-6.92	54.0	-15.31	AV	301.00	150	Horizontal	Pass
4	5742.200	107.01	-4.08	--	--	Peak	185.00	150	Horizontal	N/A
4**	5742.200	98.16	-4.08	--	--	AV	185.00	150	Horizontal	N/A
5	7377.200	48.60	-4.79	74.0	-25.40	Peak	360.00	150	Horizontal	Pass
5**	7377.200	39.32	-4.79	54.0	-14.68	AV	360.00	150	Horizontal	Pass
6	12008.537	51.27	-1.26	74.0	-22.73	Peak	204.00	150	Horizontal	Pass
6**	12008.537	41.60	-1.26	54.0	-12.40	AV	204.00	150	Horizontal	Pass

11n20, Band IV, 1 GHz to 18 GHz, Low channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1202.800	40.21	-18.08	74.0	-33.79	Peak	0.00	150	Vertical	Pass
1**	1202.800	28.70	-18.08	54.0	-25.30	AV	0.00	150	Vertical	Pass
2	2227.500	44.56	-13.57	74.0	-29.44	Peak	41.00	150	Vertical	Pass
2**	2227.500	35.78	-13.57	54.0	-18.22	AV	41.00	150	Vertical	Pass
3	3929.800	48.12	-6.92	74.0	-25.88	Peak	182.00	150	Vertical	Pass
3**	3929.800	42.60	-6.92	54.0	-11.40	AV	182.00	150	Vertical	Pass
4	5743.600	101.64	-4.00	--	--	Peak	304.00	150	Vertical	N/A
4**	5743.600	94.15	-4.00	--	--	AV	304.00	150	Vertical	N/A
5	7418.600	48.24	-4.12	74.0	-25.76	Peak	277.00	150	Vertical	Pass
5**	7418.600	39.13	-4.12	54.0	-14.87	AV	277.00	150	Vertical	Pass
6	12267.575	51.08	0.06	74.0	-22.92	Peak	67.00	150	Vertical	Pass
6**	12267.575	42.55	0.06	54.0	-11.45	AV	67.00	150	Vertical	Pass

11n20, Band IV, 1 GHz to 18 GHz, Middle channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.200	41.65	-18.04	74.0	-32.35	Peak	119.00	150	Horizontal	Pass
1**	1201.200	29.38	-18.04	54.0	-24.62	AV	119.00	150	Horizontal	Pass
2	2284.500	43.28	-13.57	74.0	-30.72	Peak	286.00	150	Horizontal	Pass
2**	2284.500	32.96	-13.57	54.0	-21.04	AV	286.00	150	Horizontal	Pass
3	3834.600	46.98	-6.82	74.0	-27.02	Peak	216.00	150	Horizontal	Pass
3**	3834.600	36.99	-6.82	54.0	-17.01	AV	216.00	150	Horizontal	Pass
4	5784.000	106.59	-3.03	--	--	Peak	190.00	150	Horizontal	N/A
4**	5784.000	99.89	-3.03	--	--	AV	190.00	150	Horizontal	N/A
5	7422.625	48.32	-4.09	74.0	-25.68	Peak	360.00	150	Horizontal	Pass
5**	7422.625	39.33	-4.09	54.0	-14.67	AV	360.00	150	Horizontal	Pass
6	12261.537	51.64	0.04	74.0	-22.36	Peak	88.00	150	Horizontal	Pass
6**	12261.537	41.69	0.04	54.0	-12.31	AV	88.00	150	Horizontal	Pass

11n20, Band IV, 1 GHz to 18 GHz, Middle channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.300	40.46	-18.11	74.0	-33.54	Peak	360.00	150	Vertical	Pass
1**	1200.300	28.60	-18.11	54.0	-25.40	AV	360.00	150	Vertical	Pass
2	2277.500	44.01	-13.56	74.0	-29.99	Peak	6.00	150	Vertical	Pass
2**	2277.500	34.62	-13.56	54.0	-19.38	AV	6.00	150	Vertical	Pass
3	3930.000	48.15	-6.91	74.0	-25.85	Peak	165.00	150	Vertical	Pass
3**	3930.000	43.20	-6.91	54.0	-10.80	AV	165.00	150	Vertical	Pass
4	5786.400	101.46	-3.07	--	--	Peak	278.00	150	Vertical	N/A
4**	5786.400	94.42	-3.07	--	--	AV	278.00	150	Vertical	N/A
5	7441.312	48.96	-4.27	74.0	-25.04	Peak	243.00	150	Vertical	Pass
5**	7441.312	39.88	-4.27	54.0	-14.12	AV	243.00	150	Vertical	Pass
6	12097.662	51.23	-1.06	74.0	-22.77	Peak	360.00	150	Vertical	Pass
6**	12097.662	42.41	-1.06	54.0	-11.59	AV	360.00	150	Vertical	Pass

11n20, Band IV, 1 GHz to 18 GHz, High channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1202.100	41.64	-18.06	74.0	-32.36	Peak	133.00	150	Horizontal	Pass
1**	1202.100	29.15	-18.06	54.0	-24.85	AV	133.00	150	Horizontal	Pass
2	2227.600	43.67	-13.58	74.0	-30.33	Peak	272.00	150	Horizontal	Pass
2**	2227.600	36.42	-13.58	54.0	-17.58	AV	272.00	150	Horizontal	Pass
3	3930.000	46.86	-6.91	74.0	-27.14	Peak	291.00	150	Horizontal	Pass
3**	3930.000	40.02	-6.91	54.0	-13.98	AV	291.00	150	Horizontal	Pass
4	5824.000	107.40	-2.92	--	--	Peak	192.00	150	Horizontal	N/A
4**	5824.000	100.69	-2.92	--	--	AV	192.00	150	Horizontal	N/A
5	7419.175	48.53	-4.08	74.0	-25.47	Peak	0.00	150	Horizontal	Pass
5**	7419.175	39.41	-4.08	54.0	-14.59	AV	0.00	150	Horizontal	Pass
6	11678.488	51.03	-0.93	74.0	-22.97	Peak	88.00	150	Horizontal	Pass
6**	11678.488	41.70	-0.93	54.0	-12.30	AV	88.00	150	Horizontal	Pass

11n20, Band IV, 1 GHz to 18 GHz, High channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.500	40.44	-18.08	74.0	-33.56	Peak	31.00	150	Vertical	Pass
1**	1200.500	28.89	-18.08	54.0	-25.11	AV	31.00	150	Vertical	Pass
2	2265.200	44.21	-13.65	74.0	-29.79	Peak	157.00	150	Vertical	Pass
2**	2265.200	32.70	-13.65	54.0	-21.30	AV	157.00	150	Vertical	Pass
3	3930.400	48.10	-6.89	74.0	-25.90	Peak	159.00	150	Vertical	Pass
3**	3930.400	42.64	-6.89	54.0	-11.36	AV	159.00	150	Vertical	Pass
4	5826.400	101.32	-2.90	--	--	Peak	72.00	150	Vertical	N/A
4**	5826.400	93.77	-2.90	--	--	AV	72.00	150	Vertical	N/A
5	7433.263	48.78	-4.40	74.0	-25.22	Peak	121.00	150	Vertical	Pass
5**	7433.263	40.08	-4.40	54.0	-13.92	AV	121.00	150	Vertical	Pass
6	12098.237	50.95	-1.06	74.0	-23.05	Peak	191.00	150	Vertical	Pass
6**	12098.237	41.74	-1.06	54.0	-12.26	AV	191.00	150	Vertical	Pass

11n40, Band IV, 1 GHz to 18 GHz, Low channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.900	40.33	-18.03	74.0	-33.67	Peak	282.00	150	Horizontal	Pass
1**	1200.900	29.49	-18.03	54.0	-24.51	AV	282.00	150	Horizontal	Pass
2	2292.900	43.50	-13.56	74.0	-30.50	Peak	274.00	150	Horizontal	Pass
2**	2292.900	32.92	-13.56	54.0	-21.08	AV	274.00	150	Horizontal	Pass
3	4819.400	49.27	-4.24	74.0	-24.73	Peak	213.00	150	Horizontal	Pass
3**	4819.400	40.32	-4.24	54.0	-13.68	AV	213.00	150	Horizontal	Pass
4	5756.000	104.23	-3.43	--	--	Peak	202.00	150	Horizontal	N/A
4**	5756.000	97.08	-3.43	--	--	AV	202.00	150	Horizontal	N/A
5	7429.237	48.38	-4.27	74.0	-25.62	Peak	0.00	150	Horizontal	Pass
5**	7429.237	39.46	-4.27	54.0	-14.54	AV	0.00	150	Horizontal	Pass
6	12195.412	51.54	-0.80	74.0	-22.46	Peak	180.00	150	Horizontal	Pass
6**	12195.412	40.79	-0.80	54.0	-13.21	AV	180.00	150	Horizontal	Pass

11n40, Band IV, 1 GHz to 18 GHz, Low channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1417.200	40.18	-17.84	74.0	-33.82	Peak	300.00	150	Vertical	Pass
1**	1417.200	32.99	-17.84	54.0	-21.01	AV	300.00	150	Vertical	Pass
2	2352.300	44.35	-13.78	74.0	-29.65	Peak	224.00	150	Vertical	Pass
2**	2352.300	32.19	-13.78	54.0	-21.81	AV	224.00	150	Vertical	Pass
3	3930.000	47.62	-6.91	74.0	-26.38	Peak	171.00	150	Vertical	Pass
3**	3930.000	42.66	-6.91	54.0	-11.34	AV	171.00	150	Vertical	Pass
4	5749.800	99.76	-3.71	--	--	Peak	311.00	150	Vertical	N/A
4**	5749.800	91.78	-3.71	--	--	AV	311.00	150	Vertical	N/A
5	7529.575	48.09	-4.25	74.0	-25.91	Peak	202.00	150	Vertical	Pass
5**	7529.575	39.01	-4.25	54.0	-14.99	AV	202.00	150	Vertical	Pass
6	11594.250	50.84	-0.10	74.0	-23.16	Peak	309.00	150	Vertical	Pass
6**	11594.250	41.24	-0.10	54.0	-12.76	AV	309.00	150	Vertical	Pass

11n40, Band IV, 1 GHz to 18 GHz, High channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1202.200	40.75	-18.06	74.0	-33.25	Peak	272.00	150	Horizontal	Pass
1**	1202.200	28.52	-18.06	54.0	-25.48	AV	272.00	150	Horizontal	Pass
2	2245.300	42.76	-13.18	74.0	-31.24	Peak	188.00	150	Horizontal	Pass
2**	2245.300	33.87	-13.18	54.0	-20.13	AV	188.00	150	Horizontal	Pass
3	3988.600	46.97	-6.42	74.0	-27.03	Peak	269.00	150	Horizontal	Pass
3**	3988.600	37.78	-6.42	54.0	-16.22	AV	269.00	150	Horizontal	Pass
4	5797.400	104.66	-3.20	--	--	Peak	205.00	150	Horizontal	N/A
4**	5797.400	97.13	-3.20	--	--	AV	205.00	150	Horizontal	N/A
5	7432.112	48.19	-4.40	74.0	-25.81	Peak	55.00	150	Horizontal	Pass
5**	7432.112	39.48	-4.40	54.0	-14.52	AV	55.00	150	Horizontal	Pass
6	12162.350	51.45	-0.90	74.0	-22.55	Peak	360.00	150	Horizontal	Pass
6**	12162.350	41.87	-0.90	54.0	-12.13	AV	360.00	150	Horizontal	Pass

11n40, Band IV, 1 GHz to 18 GHz, High channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1202.000	39.49	-18.06	74.0	-34.51	Peak	325.00	150	Vertical	Pass
1**	1202.000	28.83	-18.06	54.0	-25.17	AV	325.00	150	Vertical	Pass
2	2358.200	45.36	-13.91	74.0	-28.64	Peak	118.00	150	Vertical	Pass
2**	2358.200	40.71	-13.91	54.0	-13.29	AV	118.00	150	Vertical	Pass
3	3929.800	47.63	-6.92	74.0	-26.37	Peak	182.00	150	Vertical	Pass
3**	3929.800	42.54	-6.92	54.0	-11.46	AV	182.00	150	Vertical	Pass
4	5792.200	98.96	-3.12	--	--	Peak	294.00	150	Vertical	N/A
4**	5792.200	90.75	-3.12	--	--	AV	294.00	150	Vertical	N/A
5	7346.438	48.51	-5.21	74.0	-25.49	Peak	216.00	150	Vertical	Pass
5**	7346.438	38.54	-5.21	54.0	-15.46	AV	216.00	150	Vertical	Pass
6	12045.625	51.38	-1.50	74.0	-22.62	Peak	286.00	150	Vertical	Pass
6**	12045.625	41.84	-1.50	54.0	-12.16	AV	286.00	150	Vertical	Pass

11ac20, Band IV, 1 GHz to 18 GHz, Low channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.700	40.52	-18.05	74.0	-33.48	Peak	138.00	150	Horizontal	Pass
1**	1201.700	30.01	-18.05	54.0	-23.99	AV	138.00	150	Horizontal	Pass
2	2357.600	44.87	-13.88	74.0	-29.13	Peak	138.00	150	Horizontal	Pass
2**	2357.600	36.14	-13.88	54.0	-17.86	AV	138.00	150	Horizontal	Pass
3	4817.600	49.65	-4.11	74.0	-24.35	Peak	351.00	150	Horizontal	Pass
3**	4817.600	40.43	-4.11	54.0	-13.57	AV	351.00	150	Horizontal	Pass
4	5743.600	106.26	-4.00	--	--	Peak	177.00	150	Horizontal	N/A
4**	5743.600	98.64	-4.00	--	--	AV	177.00	150	Horizontal	N/A
5	7433.550	48.07	-4.39	74.0	-25.93	Peak	0.00	150	Horizontal	Pass
5**	7433.550	39.82	-4.39	54.0	-14.18	AV	0.00	150	Horizontal	Pass
6	12264.700	52.22	0.05	74.0	-21.78	Peak	360.00	150	Horizontal	Pass
6**	12264.700	42.38	0.05	54.0	-11.62	AV	360.00	150	Horizontal	Pass

11ac20, Band IV, 1 GHz to 18 GHz, Low channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.800	40.88	-18.18	74.0	-33.12	Peak	360.00	150	Vertical	Pass
1**	1199.800	29.00	-18.18	54.0	-25.00	AV	360.00	150	Vertical	Pass
2	2358.100	44.21	-13.91	74.0	-29.79	Peak	131.00	150	Vertical	Pass
2**	2358.100	40.00	-13.91	54.0	-14.00	AV	131.00	150	Vertical	Pass
3	3929.600	48.28	-6.94	74.0	-25.72	Peak	148.00	150	Vertical	Pass
3**	3929.600	40.99	-6.94	54.0	-13.01	AV	148.00	150	Vertical	Pass
4	5746.000	101.71	-4.04	--	--	Peak	302.00	150	Vertical	N/A
4**	5746.000	95.25	-4.04	--	--	AV	302.00	150	Vertical	N/A
5	7434.700	48.39	-4.37	74.0	-25.61	Peak	360.00	150	Vertical	Pass
5**	7434.700	39.91	-4.37	54.0	-14.09	AV	360.00	150	Vertical	Pass
6	12238.825	51.44	-0.32	74.0	-22.56	Peak	31.00	150	Vertical	Pass
6**	12238.825	41.84	-0.32	54.0	-12.16	AV	31.00	150	Vertical	Pass

11ac20, Band IV, 1 GHz to 18 GHz, Middle channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.400	41.43	-18.04	74.0	-32.57	Peak	133.00	150	Horizontal	Pass
1**	1201.400	29.68	-18.04	54.0	-24.32	AV	133.00	150	Horizontal	Pass
2	2227.200	43.90	-13.56	74.0	-30.10	Peak	150.00	150	Horizontal	Pass
2**	2227.200	35.33	-13.56	54.0	-18.67	AV	150.00	150	Horizontal	Pass
3	4809.800	49.51	-3.78	74.0	-24.49	Peak	191.00	150	Horizontal	Pass
3**	4809.800	41.24	-3.78	54.0	-12.76	AV	191.00	150	Horizontal	Pass
4	5786.000	106.08	-3.06	--	--	Peak	191.00	150	Horizontal	N/A
4**	5786.000	99.44	-3.06	--	--	AV	191.00	150	Horizontal	N/A
5	7420.038	47.91	-4.02	74.0	-26.09	Peak	49.00	150	Horizontal	Pass
5**	7420.038	39.80	-4.02	54.0	-14.20	AV	49.00	150	Horizontal	Pass
6	11591.663	51.30	-0.08	74.0	-22.70	Peak	280.00	150	Horizontal	Pass
6**	11591.663	42.59	-0.08	54.0	-11.41	AV	280.00	150	Horizontal	Pass

11ac20, Band IV, 1 GHz to 18 GHz, Middle channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1199.500	40.30	-18.23	74.0	-33.70	Peak	360.00	150	Vertical	Pass
1**	1199.500	28.93	-18.23	54.0	-25.07	AV	360.00	150	Vertical	Pass
2	2357.800	44.88	-13.89	74.0	-29.12	Peak	158.00	150	Vertical	Pass
2**	2357.800	39.11	-13.89	54.0	-14.89	AV	158.00	150	Vertical	Pass
3	3930.000	48.03	-6.91	74.0	-25.97	Peak	215.00	150	Vertical	Pass
3**	3930.000	42.53	-6.91	54.0	-11.47	AV	215.00	150	Vertical	Pass
4	5786.400	101.63	-3.07	--	--	Peak	198.00	150	Vertical	N/A
4**	5786.400	94.93	-3.07	--	--	AV	198.00	150	Vertical	N/A
5	7339.250	48.26	-5.18	74.0	-25.74	Peak	175.00	150	Vertical	Pass
5**	7339.250	38.43	-5.18	54.0	-15.57	AV	175.00	150	Vertical	Pass
6	11352.463	50.85	-1.63	74.0	-23.15	Peak	248.00	150	Vertical	Pass
6**	11352.463	41.74	-1.63	54.0	-12.26	AV	248.00	150	Vertical	Pass

11ac20, Band IV, 1 GHz to 18 GHz, High channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1201.100	40.79	-18.04	74.0	-33.21	Peak	134.00	150	Horizontal	Pass
1**	1201.100	29.90	-18.04	54.0	-24.10	AV	134.00	150	Horizontal	Pass
2	2271.700	42.85	-13.65	74.0	-31.15	Peak	212.00	150	Horizontal	Pass
2**	2271.700	32.92	-13.65	54.0	-21.08	AV	212.00	150	Horizontal	Pass
3	5011.600	50.10	-4.04	74.0	-23.90	Peak	189.00	150	Horizontal	Pass
3**	5011.600	40.19	-4.04	54.0	-13.81	AV	189.00	150	Horizontal	Pass
4	5826.400	107.30	-2.90	--	--	Peak	189.00	150	Horizontal	N/A
4**	5826.400	99.93	-2.90	--	--	AV	189.00	150	Horizontal	N/A
5	7417.737	48.49	-4.11	74.0	-25.51	Peak	360.00	150	Horizontal	Pass
5**	7417.737	40.02	-4.11	54.0	-13.98	AV	360.00	150	Horizontal	Pass
6	12165.224	51.62	-0.91	74.0	-22.38	Peak	306.00	150	Horizontal	Pass
6**	12165.224	42.35	-0.91	54.0	-11.65	AV	306.00	150	Horizontal	Pass

11ac20, Band IV, 1 GHz to 18 GHz, High channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1215.100	40.54	-18.20	74.0	-33.46	Peak	49.00	150	Vertical	Pass
1**	1215.100	34.43	-18.20	54.0	-19.57	AV	49.00	150	Vertical	Pass
2	2357.900	45.07	-13.90	74.0	-28.93	Peak	136.00	150	Vertical	Pass
2**	2357.900	40.96	-13.90	54.0	-13.04	AV	136.00	150	Vertical	Pass
3	3929.600	48.48	-6.94	74.0	-25.52	Peak	237.00	150	Vertical	Pass
3**	3929.600	41.58	-6.94	54.0	-12.42	AV	237.00	150	Vertical	Pass
4	5823.800	102.07	-2.91	--	--	Peak	167.00	150	Vertical	N/A
4**	5823.800	95.06	-2.91	--	--	AV	167.00	150	Vertical	N/A
5	7451.375	48.33	-4.41	74.0	-25.67	Peak	252.00	150	Vertical	Pass
5**	7451.375	39.13	-4.41	54.0	-14.87	AV	252.00	150	Vertical	Pass
6	12075.525	51.36	-1.37	74.0	-22.64	Peak	18.00	150	Vertical	Pass
6**	12075.525	41.76	-1.37	54.0	-12.24	AV	18.00	150	Vertical	Pass

11ac40, Band IV, 1 GHz to 18 GHz, Low channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.400	39.61	-18.10	74.0	-34.39	Peak	272.00	150	Horizontal	Pass
1**	1200.400	28.11	-18.10	54.0	-25.89	AV	272.00	150	Horizontal	Pass
2	2357.800	43.91	-13.89	74.0	-30.09	Peak	313.00	150	Horizontal	Pass
2**	2357.800	39.12	-13.89	54.0	-14.88	AV	313.00	150	Horizontal	Pass
3	4816.800	49.61	-4.07	74.0	-24.39	Peak	118.00	150	Horizontal	Pass
3**	4816.800	41.12	-4.07	54.0	-12.88	AV	118.00	150	Horizontal	Pass
4	5756.800	103.99	-3.43	--	--	Peak	201.00	150	Horizontal	N/A
4**	5756.800	95.94	-3.43	--	--	AV	201.00	150	Horizontal	N/A
5	7351.325	48.95	-5.05	74.0	-25.05	Peak	160.00	150	Horizontal	Pass
5**	7351.325	39.08	-5.05	54.0	-14.92	AV	160.00	150	Horizontal	Pass
6	12075.813	51.36	-1.37	74.0	-22.64	Peak	0.00	150	Horizontal	Pass
6**	12075.813	42.05	-1.37	54.0	-11.95	AV	0.00	150	Horizontal	Pass

11ac40, Band IV, 1 GHz to 18 GHz, Low channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1194.700	39.42	-18.23	74.0	-34.58	Peak	222.00	150	Vertical	Pass
1**	1194.700	29.50	-18.23	54.0	-24.50	AV	222.00	150	Vertical	Pass
2	2357.900	45.98	-13.90	74.0	-28.02	Peak	246.00	150	Vertical	Pass
2**	2357.900	38.51	-13.90	54.0	-15.49	AV	246.00	150	Vertical	Pass
3	3929.800	47.23	-6.92	74.0	-26.77	Peak	174.00	150	Vertical	Pass
3**	3929.800	42.63	-6.92	54.0	-11.37	AV	174.00	150	Vertical	Pass
4	5753.400	99.69	-3.57	--	--	Peak	303.00	150	Vertical	N/A
4**	5753.400	92.63	-3.57	--	--	AV	303.00	150	Vertical	N/A
5	7420.900	48.84	-4.00	74.0	-25.16	Peak	86.00	150	Vertical	Pass
5**	7420.900	39.97	-4.00	54.0	-14.03	AV	86.00	150	Vertical	Pass
6	12118.362	51.66	-0.69	74.0	-22.34	Peak	158.00	150	Vertical	Pass
6**	12118.362	41.54	-0.69	54.0	-12.46	AV	158.00	150	Vertical	Pass

11ac40, Band IV, 1 GHz to 18 GHz, High channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1203.500	40.43	-18.10	74.0	-33.57	Peak	289.00	150	Horizontal	Pass
1**	1203.500	28.57	-18.10	54.0	-25.43	AV	289.00	150	Horizontal	Pass
2	2357.900	43.83	-13.90	74.0	-30.17	Peak	85.00	150	Horizontal	Pass
2**	2357.900	37.45	-13.90	54.0	-16.55	AV	85.00	150	Horizontal	Pass
3	4907.800	50.82	-4.27	74.0	-23.18	Peak	190.00	150	Horizontal	Pass
3**	4907.800	39.55	-4.27	54.0	-14.45	AV	190.00	150	Horizontal	Pass
4	5792.000	104.74	-3.13	--	--	Peak	201.00	150	Horizontal	N/A
4**	5792.000	96.83	-3.13	--	--	AV	201.00	150	Horizontal	N/A
5	7428.087	48.60	-4.17	74.0	-25.40	Peak	274.00	150	Horizontal	Pass
5**	7428.087	39.32	-4.17	54.0	-14.68	AV	274.00	150	Horizontal	Pass
6	12072.937	51.44	-1.39	74.0	-22.56	Peak	29.00	150	Horizontal	Pass
6**	12072.937	41.49	-1.39	54.0	-12.51	AV	29.00	150	Horizontal	Pass

11ac40, Band IV, 1 GHz to 18 GHz, High channel, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.000	39.66	-18.16	74.0	-34.34	Peak	199.00	150	Vertical	Pass
1**	1200.000	28.80	-18.16	54.0	-25.20	AV	199.00	150	Vertical	Pass
2	2282.800	43.49	-13.51	74.0	-30.51	Peak	170.00	150	Vertical	Pass
2**	2282.800	32.91	-13.51	54.0	-21.09	AV	170.00	150	Vertical	Pass
3	3930.000	48.20	-6.91	74.0	-25.80	Peak	186.00	150	Vertical	Pass
3**	3930.000	43.38	-6.91	54.0	-10.62	AV	186.00	150	Vertical	Pass
4	5797.800	98.67	-3.19	--	--	Peak	305.00	150	Vertical	N/A
4**	5797.800	90.97	-3.19	--	--	AV	305.00	150	Vertical	N/A
5	7438.150	48.22	-4.35	74.0	-25.78	Peak	0.00	150	Vertical	Pass
5**	7438.150	40.07	-4.35	54.0	-13.93	AV	0.00	150	Vertical	Pass
6	11649.450	51.30	-0.34	74.0	-22.70	Peak	0.00	150	Vertical	Pass
6**	11649.450	42.39	-0.34	54.0	-11.61	AV	0.00	150	Vertical	Pass

11ac80, Band IV, 1 GHz to 18 GHz, Middle channel, ANT H

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.500	39.95	-18.08	74.0	-34.05	Peak	288.00	150	Horizontal	Pass
1**	1200.500	28.30	-18.08	54.0	-25.70	AV	288.00	150	Horizontal	Pass
2	2357.900	43.70	-13.90	74.0	-30.30	Peak	110.00	150	Horizontal	Pass
2**	2357.900	37.57	-13.90	54.0	-16.43	AV	110.00	150	Horizontal	Pass
3	4066.000	47.57	-5.59	74.0	-26.43	Peak	8.00	150	Horizontal	Pass
3**	4066.000	38.35	-5.59	54.0	-15.65	AV	8.00	150	Horizontal	Pass
4	5751.800	102.88	-3.68	--	--	Peak	201.00	150	Horizontal	N/A
4**	5751.800	95.74	-3.68	--	--	AV	201.00	150	Horizontal	N/A
5	7692.013	48.12	-4.31	74.0	-25.88	Peak	17.00	150	Horizontal	Pass
5**	7692.013	38.66	-4.31	54.0	-15.34	AV	17.00	150	Horizontal	Pass
6	12102.550	50.83	-0.98	74.0	-23.17	Peak	295.00	150	Horizontal	Pass
6**	12102.550	42.24	-0.98	54.0	-11.76	AV	295.00	150	Horizontal	Pass

11ac80, Band IV, 1 GHz to 18 GHz, Middle channel, ANT V

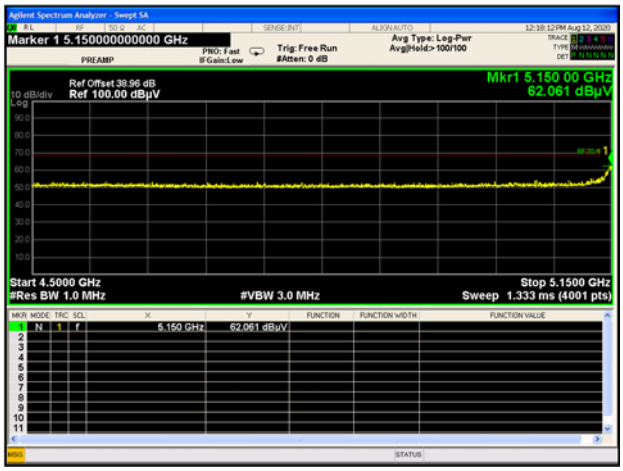
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1200.100	39.92	-18.14	74.0	-34.08	Peak	230.00	150	Vertical	Pass
1**	1200.100	28.47	-18.14	54.0	-25.53	AV	230.00	150	Vertical	Pass
2	2258.700	45.51	-13.50	74.0	-28.49	Peak	95.00	150	Vertical	Pass
2**	2258.700	37.26	-13.50	54.0	-16.74	AV	95.00	150	Vertical	Pass
3	3930.600	48.67	-6.87	74.0	-25.33	Peak	170.00	150	Vertical	Pass
3**	3930.600	42.01	-6.87	54.0	-11.99	AV	170.00	150	Vertical	Pass
4	5751.400	98.23	-3.68	--	--	Peak	304.00	150	Vertical	N/A
4**	5751.400	91.17	-3.68	--	--	AV	304.00	150	Vertical	N/A
5	7451.087	48.35	-4.39	74.0	-25.65	Peak	347.00	150	Vertical	Pass
5**	7451.087	40.08	-4.39	54.0	-13.92	AV	347.00	150	Vertical	Pass
6	12256.938	51.07	-0.00	74.0	-22.93	Peak	239.00	150	Vertical	Pass
6**	12256.938	41.74	-0.00	54.0	-12.26	AV	239.00	150	Vertical	Pass

A.6.2 Band Edge (Restricted-band)

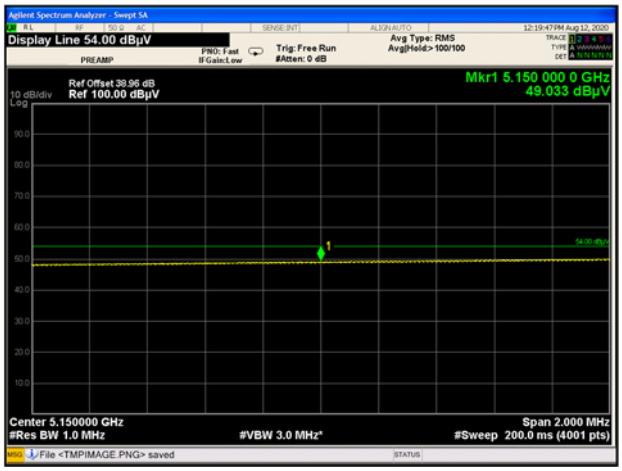
Test Band	Mode	Channel	Verdict
Band I	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
	802.11ac(VHT20)	Low	Pass
		High	Pass
	802.11ac(VHT40)	Low	Pass
		High	Pass
	802.11ac(VHT80)	Middle	Pass
Band IV	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass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

Test Plots

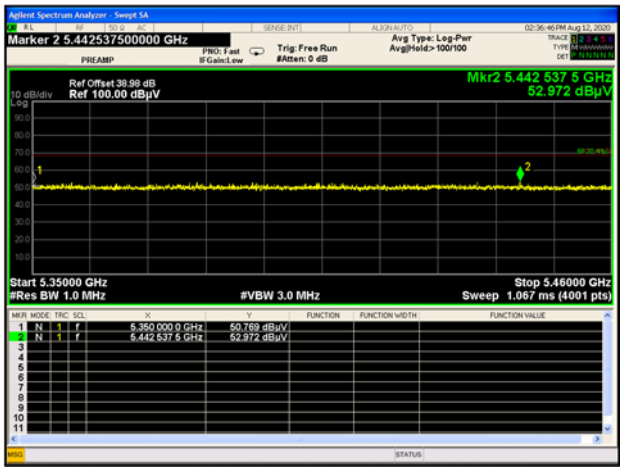
Band I 11a CH36 Peak



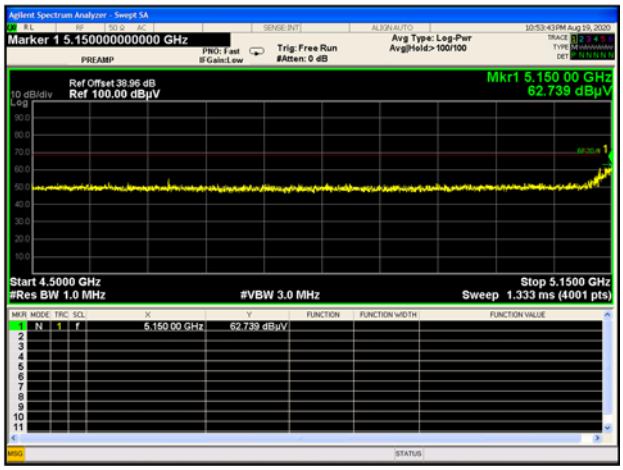
Band I 11a CH36 AV



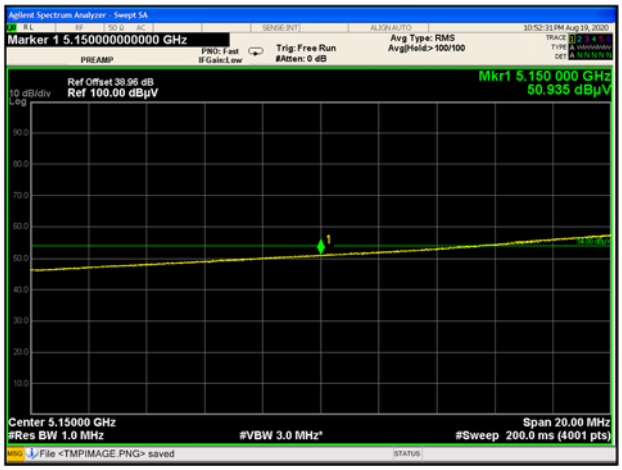
Band I 11a CH48 Peak



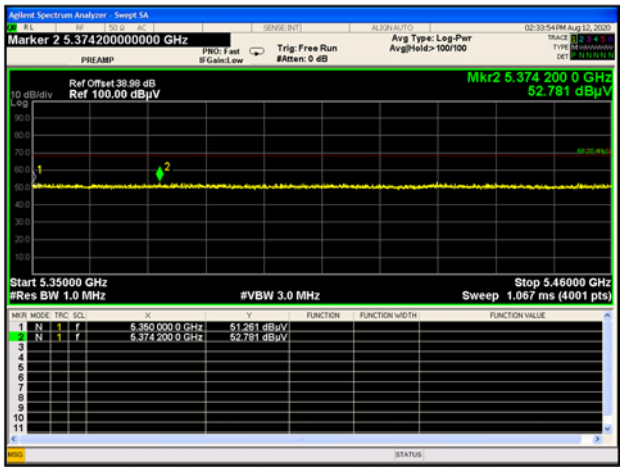
Band I 11n20 CH36 Peak



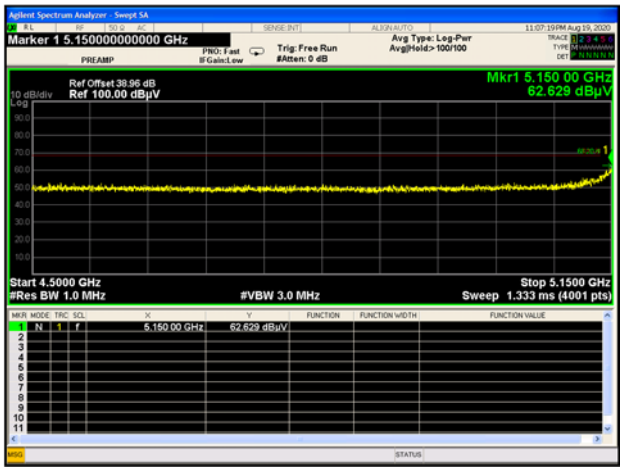
Band I 11n20 CH36 AV



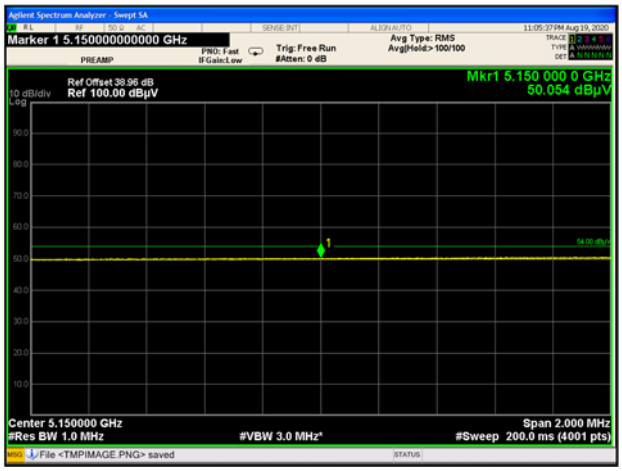
Band I 11n20 CH48 Peak



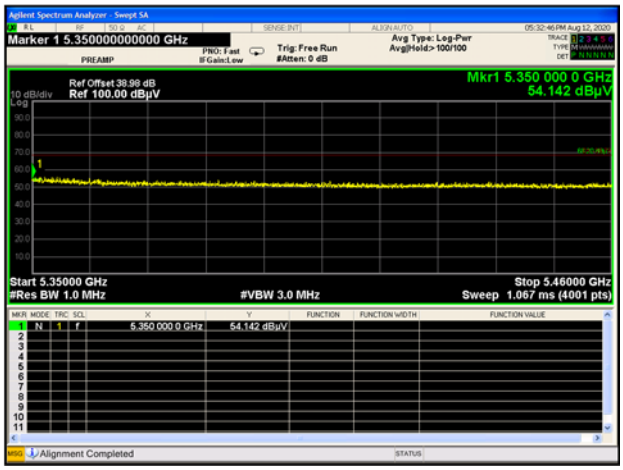
Band I 11n40 CH38 Peak



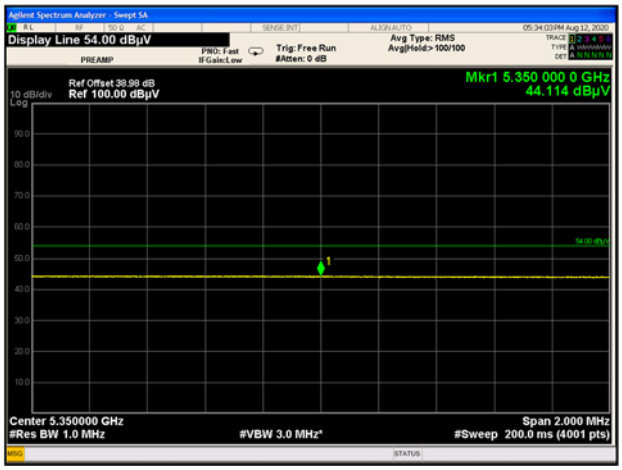
Band I 11n40 CH38 AV



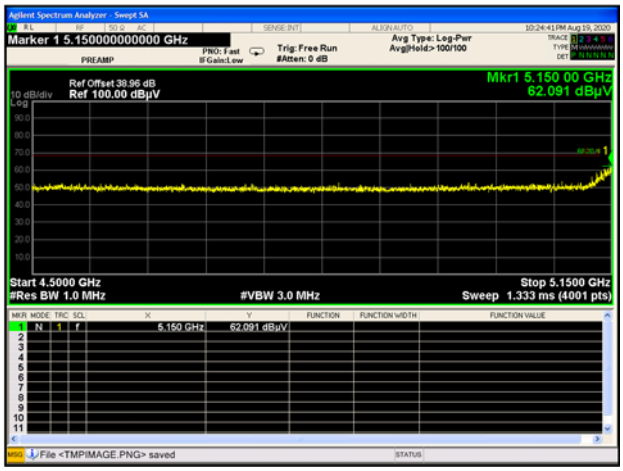
Band I 11n40 CH46 Peak



Band I 11n40 CH46 AV

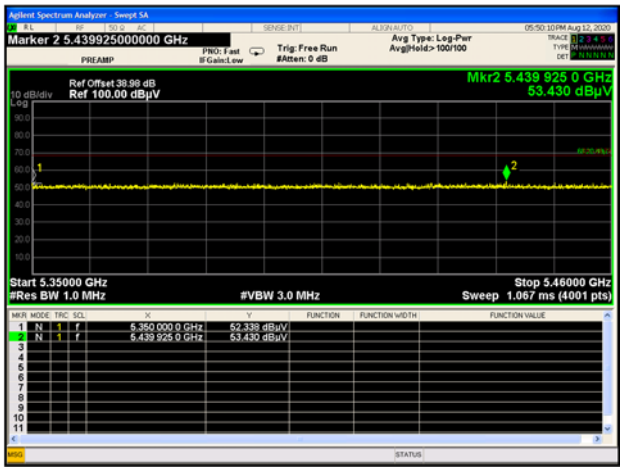


Band I 11ac20 CH36 Peak

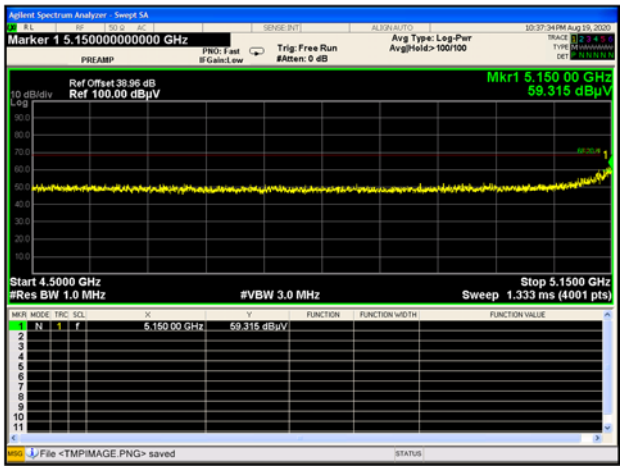


Band I 11ac20 CH36 AV

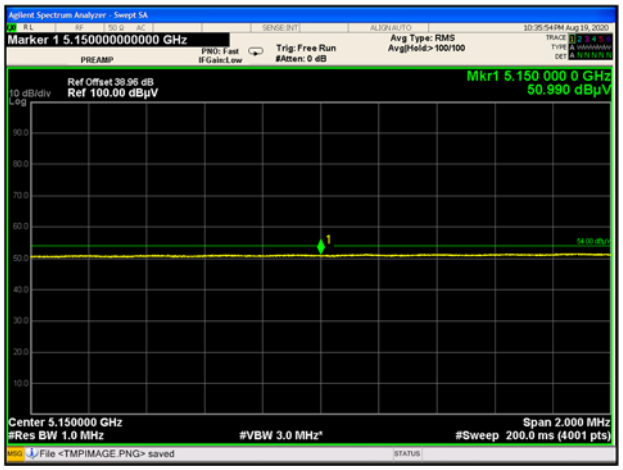
Band I 11ac20 CH48 Peak



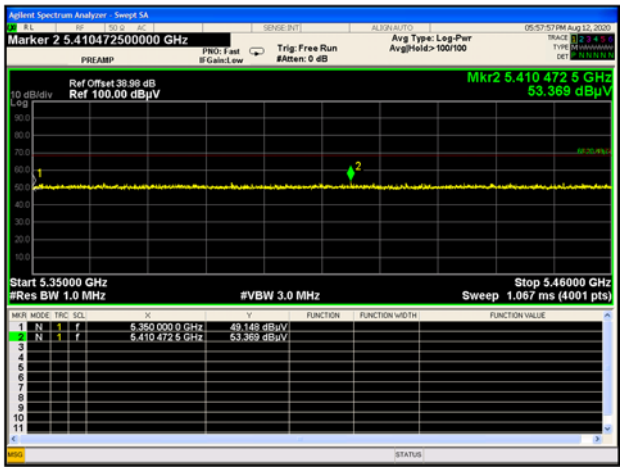
Band I 11ac40 CH38 Peak



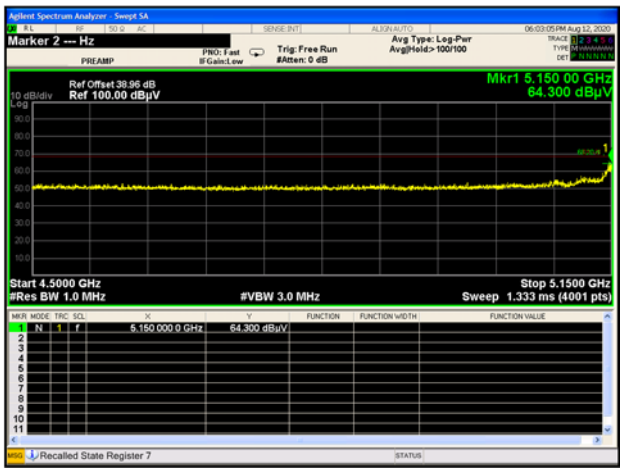
Band I 11ac40 CH38 AV



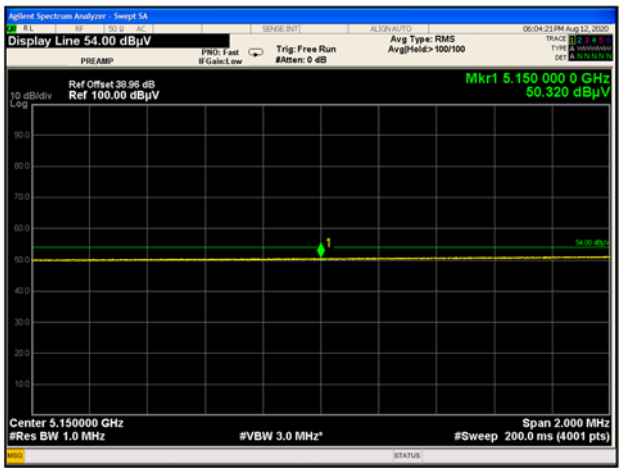
Band I 11ac40 CH46 Peak



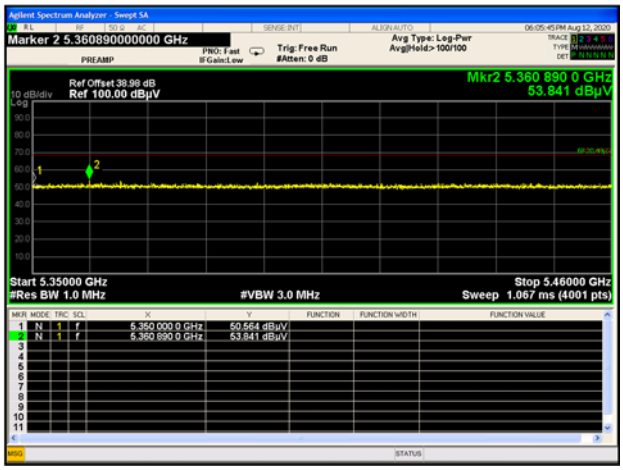
Band I 11ac80 CH42 Peak



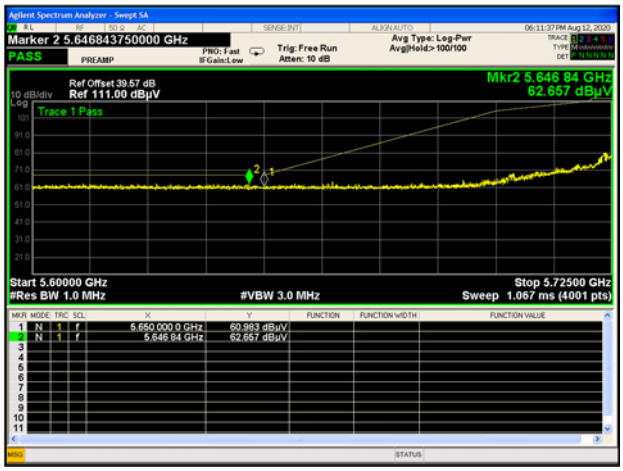
Band I 11ac80 CH42 AV



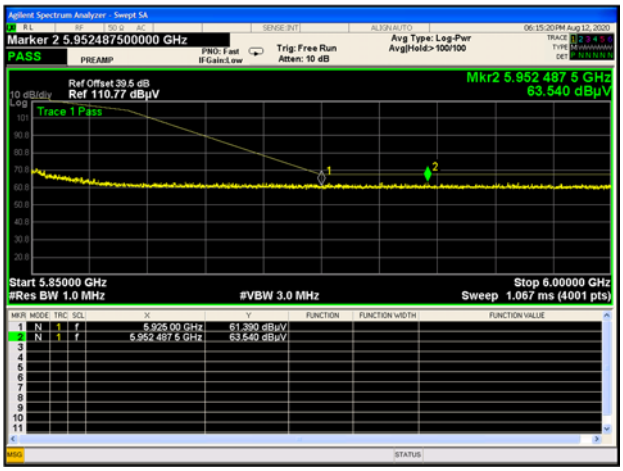
Band I 11ac80 CH42 Peak



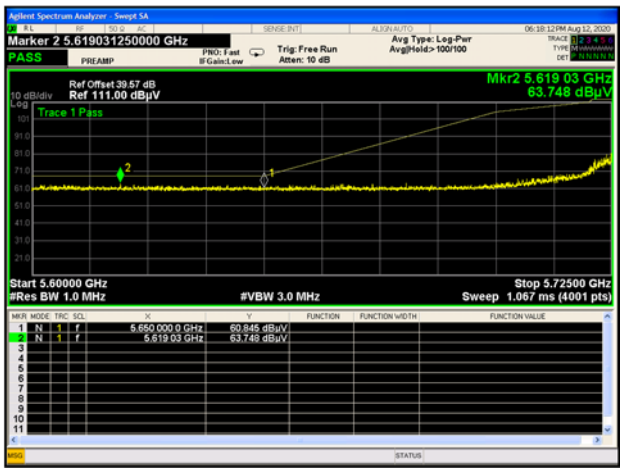
Band IV 11a CH149 Peak



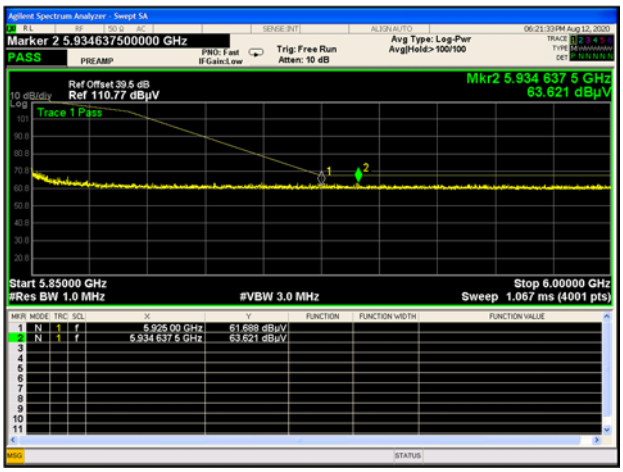
Band IV 11a CH165 Peak



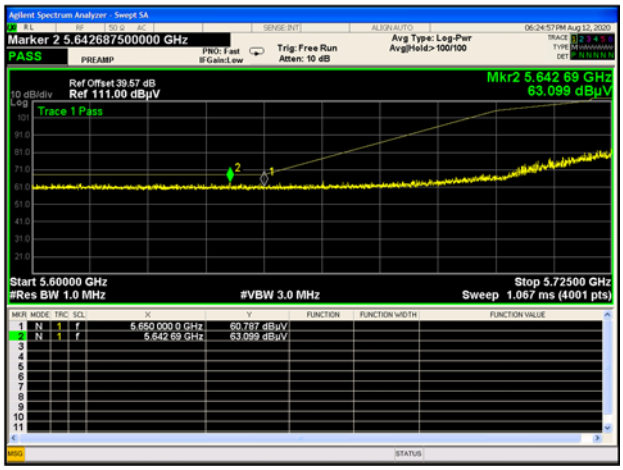
Band IV 11n20 CH149 Peak



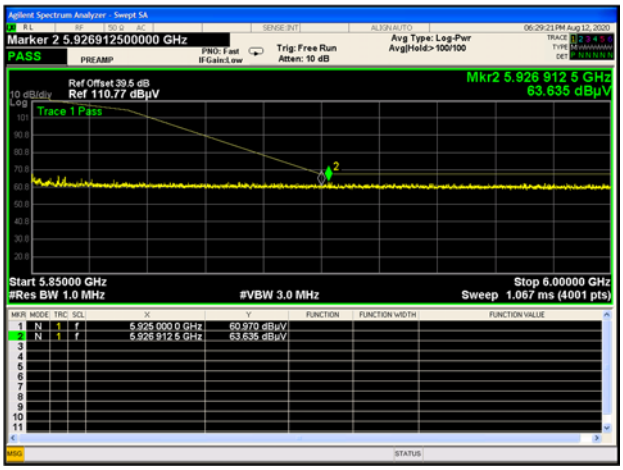
Band IV 11n20 CH165 Peak



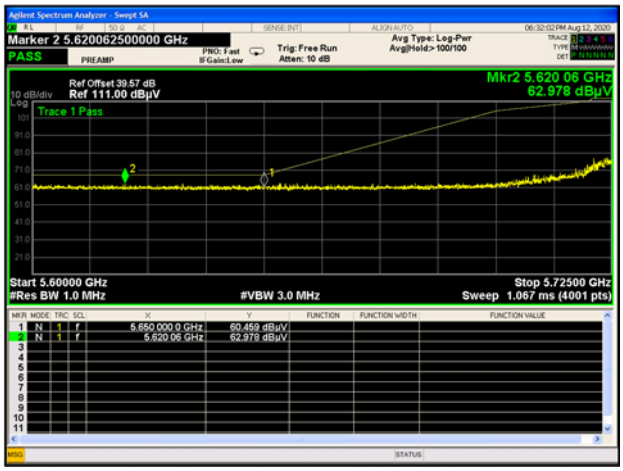
Band IV 11n40 CH151 Peak



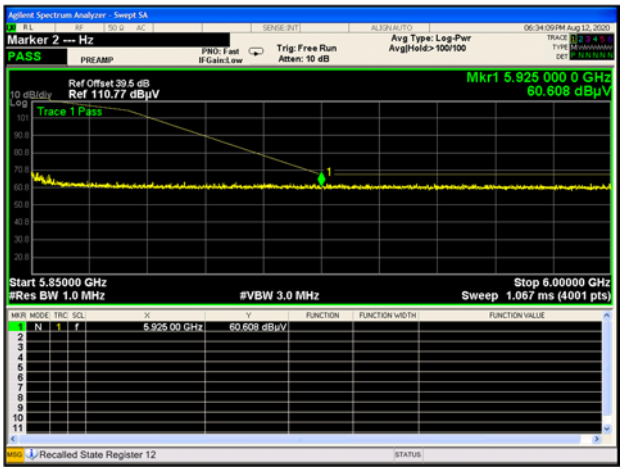
Band IV 11n40 CH159 Peak



Band IV 11ac20 CH149 Peak



Band IV 11ac20 CH165 Peak



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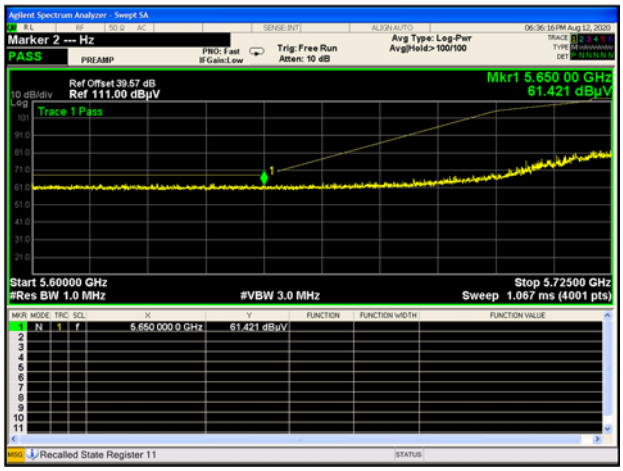
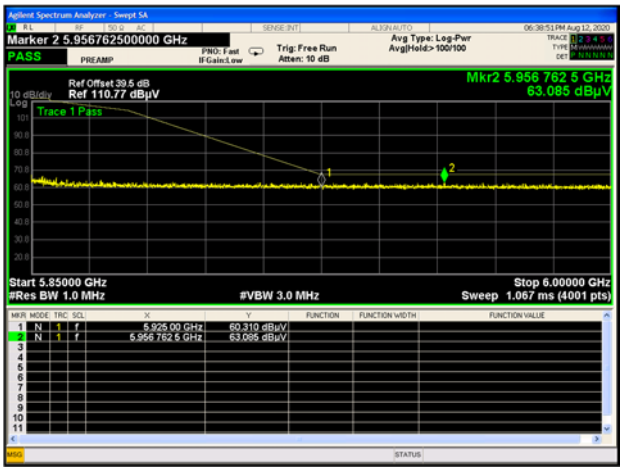
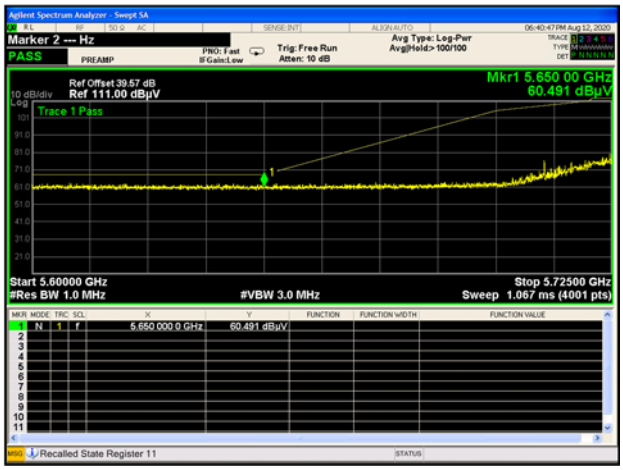


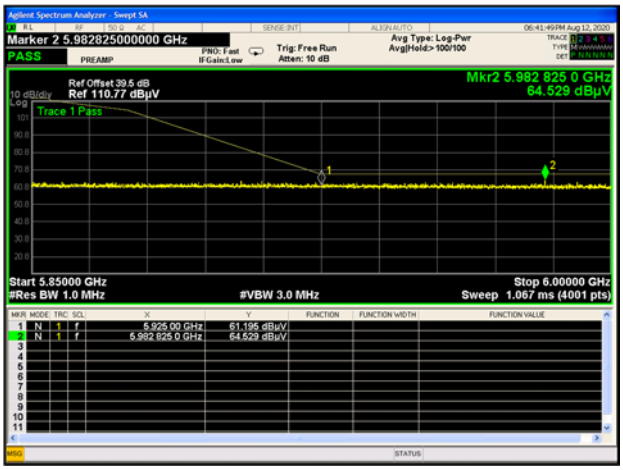
Band IV 11ac40 CH159 Peak



Band IV 11ac80 CH155 Peak



Band IV 11ac80 CH155 Peak



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ2070967-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ2070967-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ2070967-AI.PDF”.

--END OF REPORT--