FCC RF TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

HOVER CAMERA

ISSUED TO
Shenzhen Zero Zero Infinity Technology Co., Ltd.

Room A211-B, F2, Shanshui Building, No.4093, Liuxian Avenue, Nanshan District, Shenzhen, China

Prepared by: _____
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(Engineer)
Date Sep. 05, 2019

Approved by: _____
Wei Yanquan
(Chief Engineer)
Date Sep. 05, 2019

Report No.:	BL-SZ1960488-603
EUT Name:	HOVER CAMERA
Model Name:	H2-1106
Brand Name:	ZEROZERO ROBOTICS
Test Standard:	47 CFR Part 15 Subpart E
FCC ID:	2AIDWH2-1106
Test Conclusion:	Pass
Test Date:	Jul. 04, 2019 ~ Jul. 31, 2019
Date of Issue:	Sep. 05, 2019

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Revision History

Version	Issue Date	Revisions Content
Rev. 01	Aug. 29, 2019	Initial Issue
Rev. 02	Sep. 05, 2019	Update the Run software on page 7

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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 v4.3.

(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.

(3) The test report is invalid if there is any evidence and/or falsification.

(4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.

(5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.

(6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

2 PRODUCT INFORMATION

2.1 Applicant

Applicant	Shenzhen Zero Zero Infinity Technology Co., Ltd.
Address	Room A211-B, F2, Shanshui Building, No.4093, Liuxian Avenue, Nanshan District, Shenzhen, China

2.2 Manufacturer

Manufacturer	Shenzhen Zero Zero Infinity Technology Co., Ltd.
Address	Room A211-B, F2, Shanshui Building, No.4093, Liuxian Avenue, Nanshan District, Shenzhen, China

2.3 Factory

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Name	HOVER CAMERA
Model Name Under Test	H2-1106
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	WIFI 802.11a, 802.11b, 802.11g and 802.11n (HT20/40) 2.4G ISM Band (GFSK modulation)

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		64QAM, 16QAM, BPSK, QPSK
Product Type		Indoor for IC standard Mobile and portable for FCC standard
Transfer Rate (Mbps) (Single RF path)		802.11a: 54/ 48/ 36 / 24 / 18/12 / 9/ 6 Mbps 802.11n: up to 150 Mbps
Channel Bandwidth		802.11a: 20 MHz 802.11n: 20 MHz, 40 MHz
Maximum Output Power		Band I: 19.70 dBm Band IV: 18.68 dBm
Antenna System (eg., MIMO, Smart Antenna)		N/A
Categorization as Correlated or Completely Uncorrelated		N/A
Antenna Type	Antenna 0 (ANT 0)	FPCB Antenna
	Antenna 1 (ANT 1)	
Antenna Gain	Antenna 0 (ANT 0)	Band I: 5150 MHz to 5250 MHz: 1.95 dBi Band IV: 5725 MHz to 5850 MHz: 0.59 dBi
	Antenna 1 (ANT 1)	Band I: 5150 MHz to 5250 MHz: 2.38 dBi Band IV: 5725 MHz to 5850 MHz: 2.90 dBi
About the Product		The equipment is HOVER CAMERA, intended for used with information technology equipment.

2.6 Additional Instructions

EUT Software Settings:

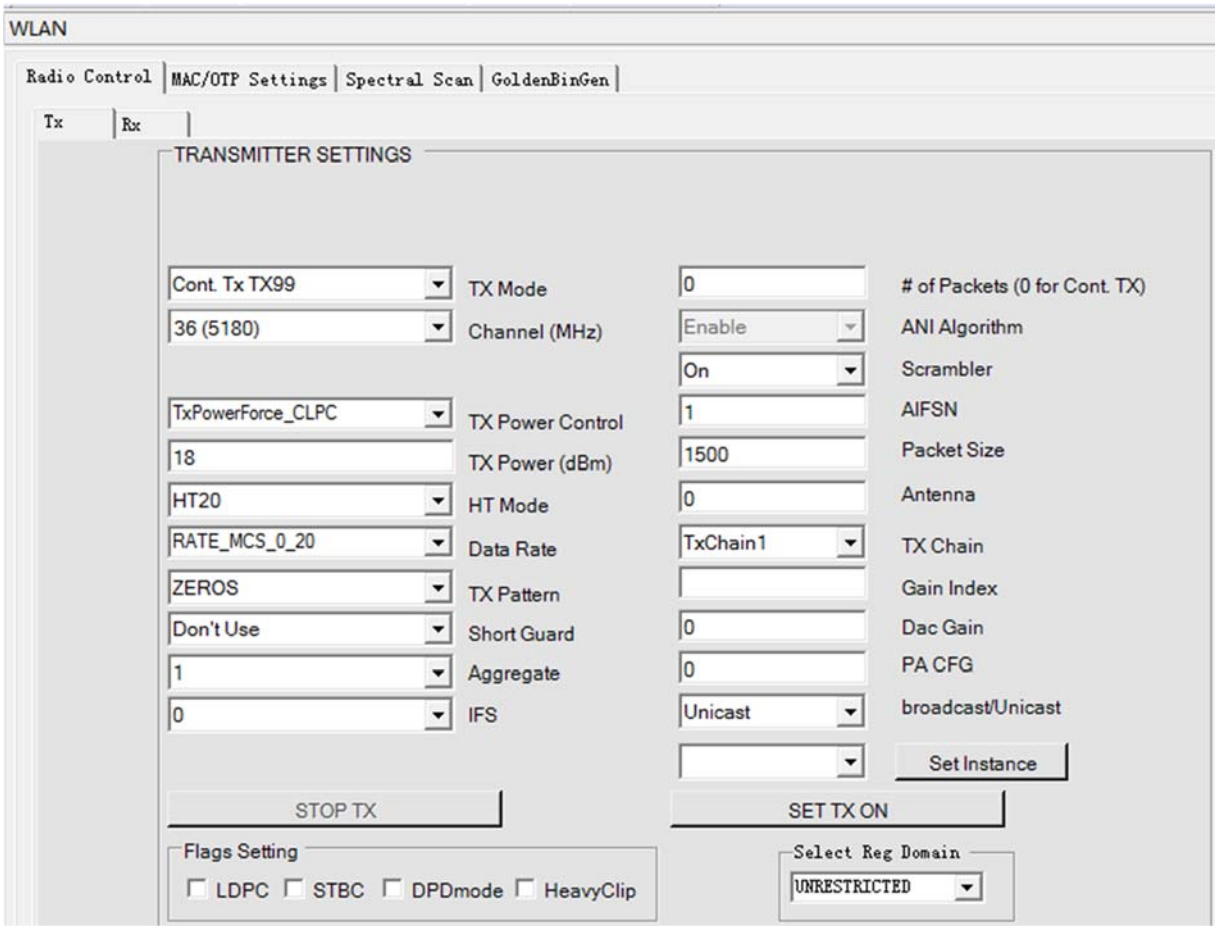
Mode	☒ Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

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	QRCT3		
Support Units (Software installation media)	Description	Manufacturer	Model
	Notebook	Lenovo	N/A

Mode	Channel	Soft Set		
		ANT0	ANT1	MIMO
11a	All	20	20	--
11n (HT20)	All	20	20	20
11n (HT40)	All	20	20	20

Run Software



2.7 Channel List

20 MHz		40 MHz	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	**5180**	**38**	**5190**
40	5200	**46**	**5230**
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)

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)

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

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

Test Items	Mode	Data Rate	Modulation Type	Band I	Band IV
				Channel	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
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
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
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
Conducted Spurious Emission and Band Edge (Authorized-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
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
Band Edge (Restricted-band)	11a	6	BPSK	48/36	165/149
	11n(20 MHz)	6.5		48/36	165/149
	11n(40 MHz)	13.5		46/38	159/151
Frequency Stability	Unmodulated	N/A	N/A	36	165

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v01r04	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
4	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	Frequency Stability	15.407(g)	ANNEX A.7	Pass
9	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)	0℃
	HT (High Temperature)	+40℃
Working Voltage of the EUT	NV (Normal Voltage)	11.55 V
	LV (Low Voltage)	9 V
	HV (High Voltage)	13.2 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2019.06.13	2020.06.12
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2019.06.13	2020.06.12
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2018.11.16	2019.11.15
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2019.06.13	2020.06.12
LISN	SCHWARZBECK	NSLK 8127	8127-687	2019.06.13	2020.06.12
Bluetooth Tester	ROHDE&SCHWARZ	CBT	101005	2019.06.13	2020.06.12
Power Splitter	KMW	DCPD-LDC	1305003215	--	--
Power Sensor	ROHDE&SCHWARZ	NRP-Z21	103971	2019.06.13	2020.06.12
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	--	--
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	--	--
DC Power Supply	ROHDE&SCHWARZ	HMP2020	018141664	2019.06.18	2020.06.16
Temperature Chamber	ANGELANTIONI SCIENCE	NTH64-40A	1310	2019.07.02	2020.07.01
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2017.11.09	2019.11.08
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2018.08.22	2020.08.21
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1148	2018.07.22	2020.07.21
Test Antenna-Horn(15-26.5 GHz)	SCHWARZBECK	BBHA 9170	9170-305	2019.06.21	2020.06.20
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	2019.02.21	2021.02.20
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	N/A	2018.07.19	2020.07.18
Shielded Enclosure	ChangNing	CN-130701	130703	--	--
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2019.06.13	2020.06.12
Power Amplifier	OPHIR RF	5225F	1037	2019.02.28	2020.02.27

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Power Amplifier	OPHIR RF	5273F	1016	2019.02.28	2020.02.27
Directional Coupler	Werlantone	C5982-10	109275	N/A	N/A
Directional Coupler	Werlantone	CHP-273E	S00801z-01	N/A	N/A
Feld Strength Meter	Narda	EP601	511WX51129	2019.06.14	2020.06.13
Mouth Simulator	B&K	4227	2423931	2018.11.19	2019.11.18
Sound Calibrator	B&K	4231	2430337	2018.11.19	2019.11.18
Sound Level Meter	B&K	NL-20	00844023	2018.11.19	2019.11.18
Ear Simulator	B&K	4185	2409449	2018.11.19	2019.11.18
Ear Simulator	B&K	4195	2418189	2018.11.19	2019.11.18
Audio analyzer	B&K	UPL 16	100129	2018.11.19	2019.11.18

4.3 Measurement Uncertainty

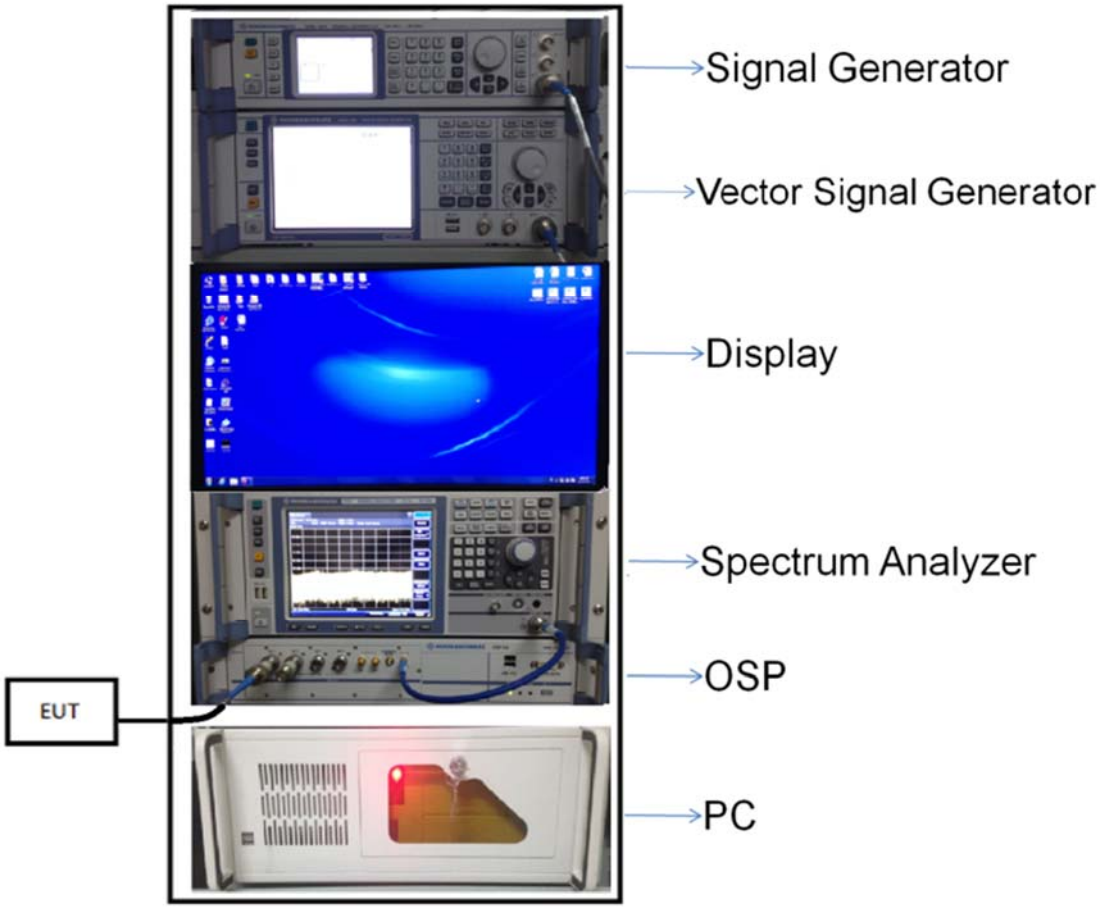
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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

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

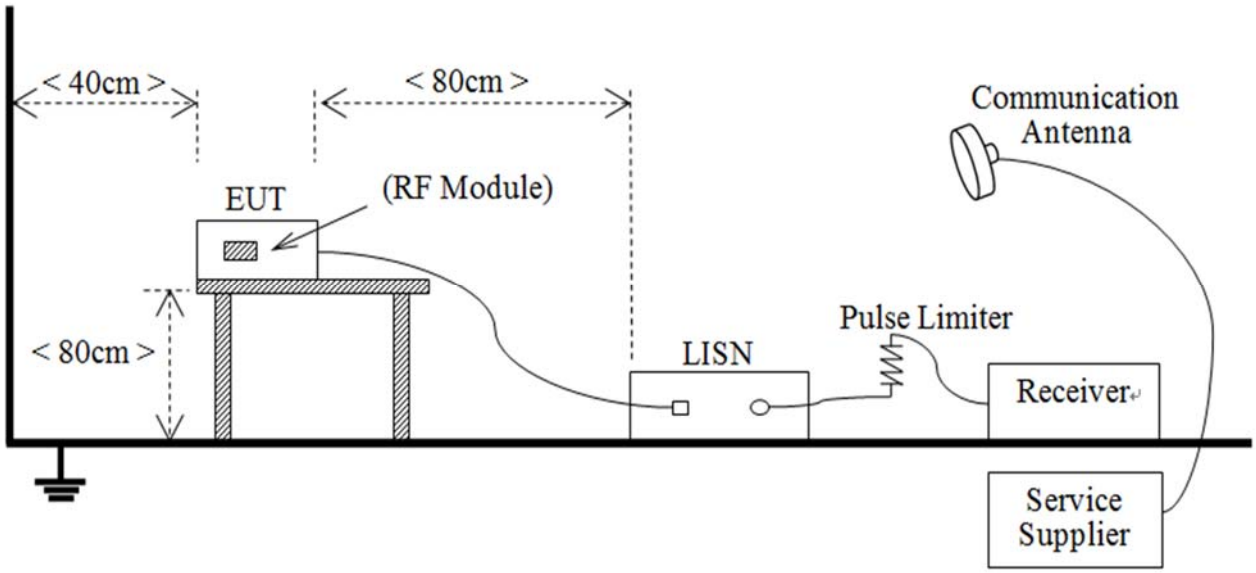
4.4 Description of Test Setup

4.4.1 For Antenna Port Test



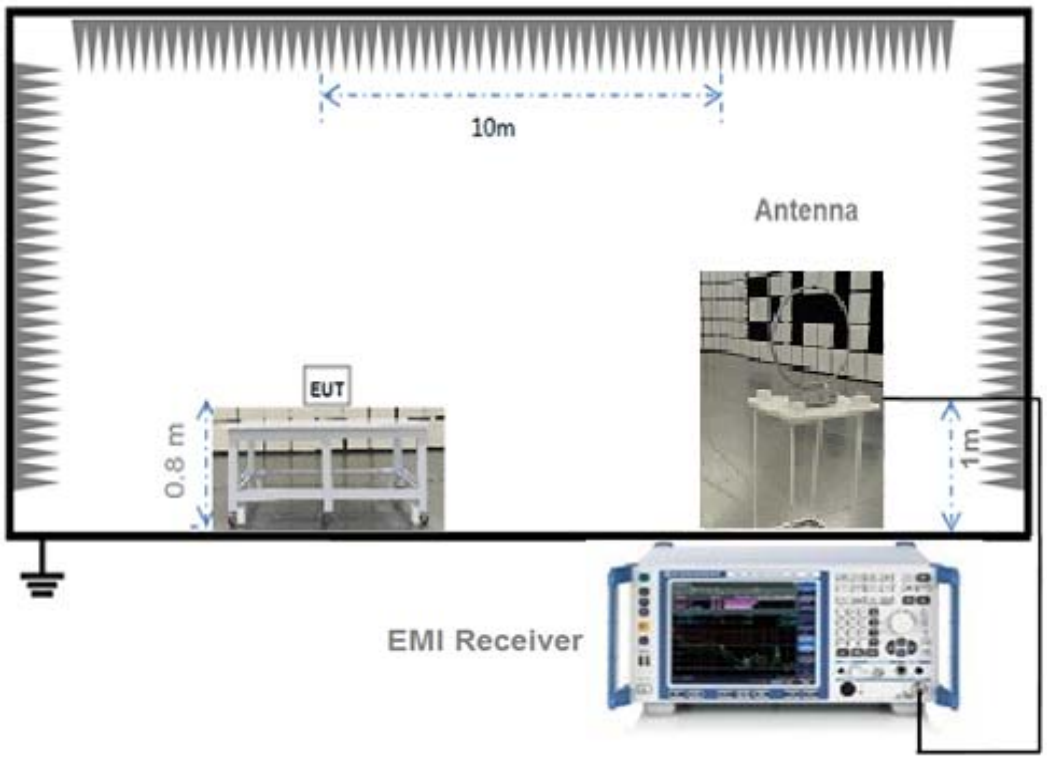
(Diagram 1)

4.4.2 For AC Power Supply Port Test



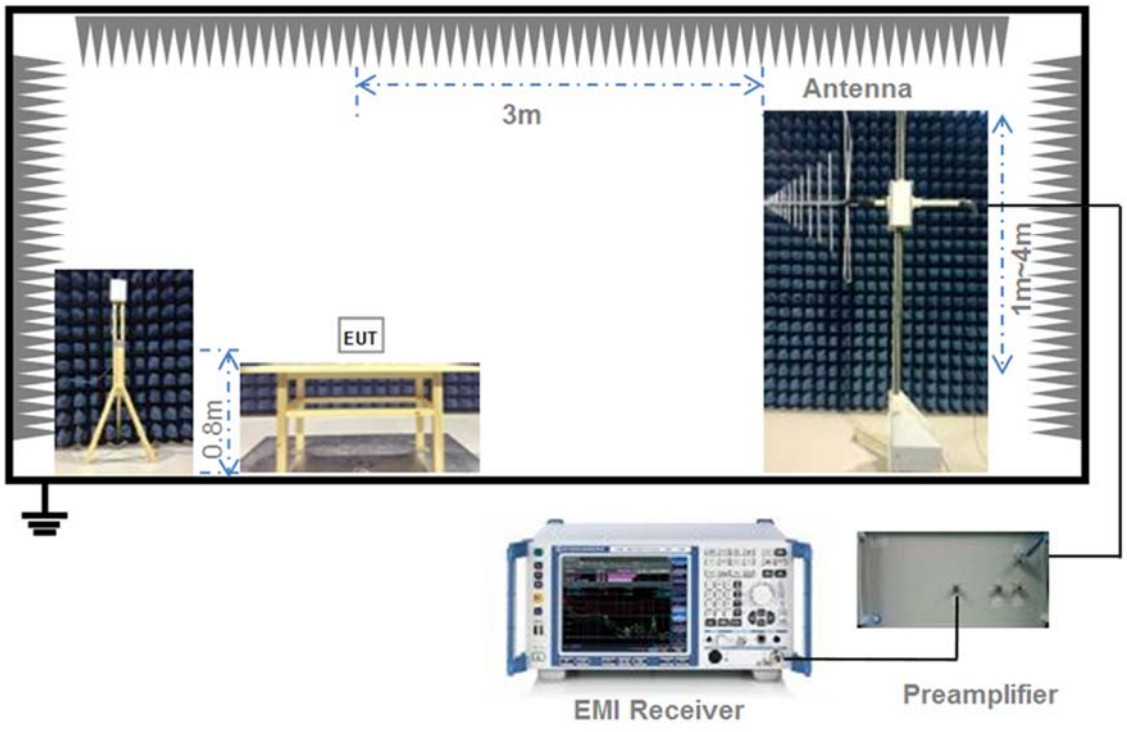
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



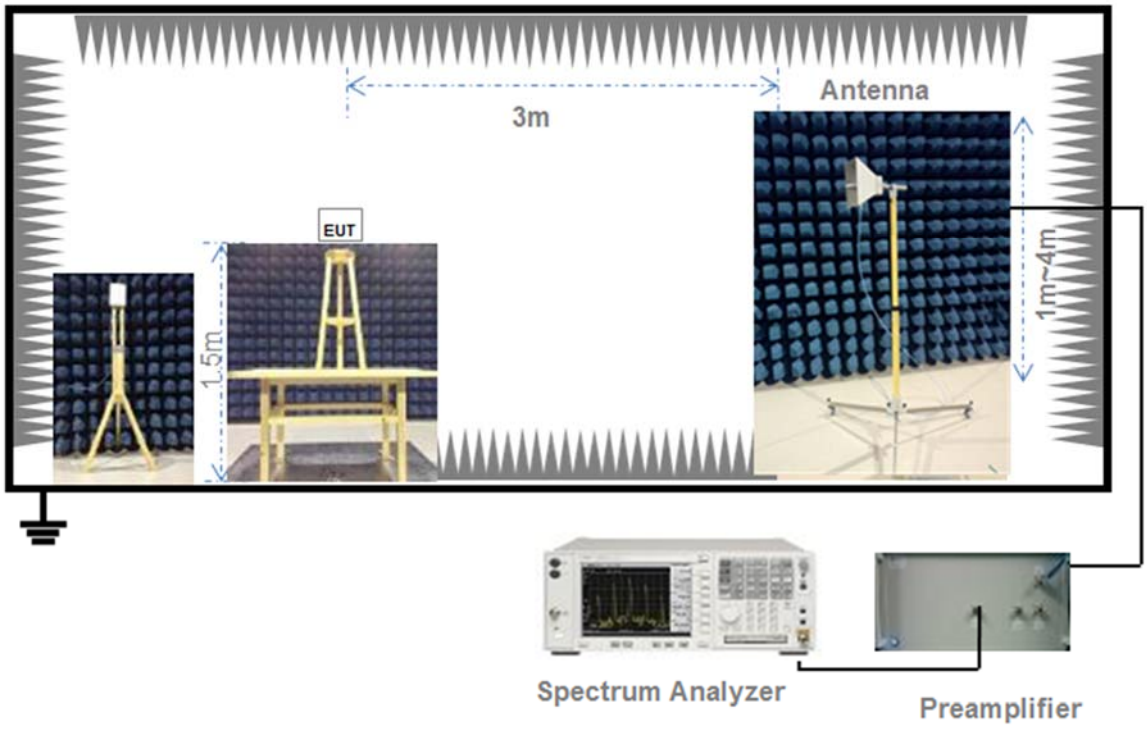
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



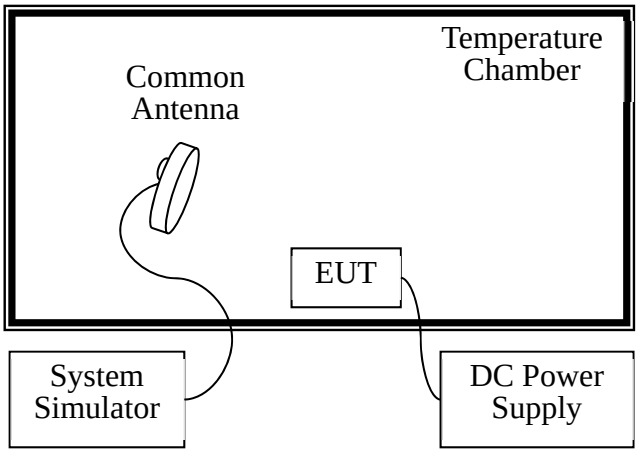
(Diagram 4)

4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

4.4.6 For Frequency Stability Test



(Diagram 6)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.

2. Set VBW ≥ 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)

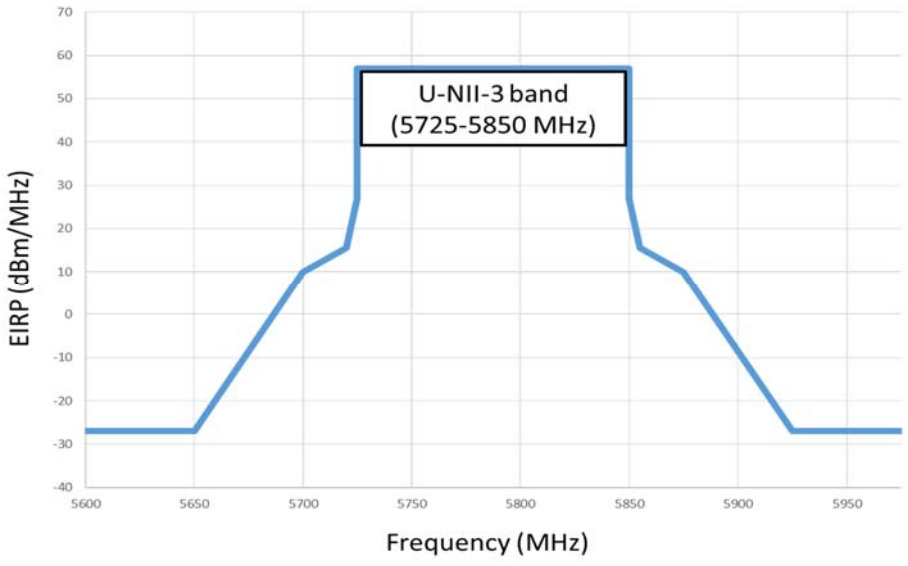
5.5.1 Limit

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.

5.6 Frequency Stability

5.6.1 Limit

FCC §15.407(g)

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

5.6.2 Test Setup

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

5.6.3 Test Procedure

The EUT is installed in an environment test chamber with external power source.
Set the chamber to operate at 50 centigrade and external power source to output at nominal voltage of EUT.
A sufficient stabilization period at each temperatures is used prior to each frequency measurement.
When temperature is stabled, measure the frequency stability.
The test shall be performed under -30 to 50 centigrade and 85 to 115 percent of the nominal voltage.
Change setting of chamber and external power source to complete all conditions.

5.6.4 Test Result

Please refer to ANNEX A.7.

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

ANT0

Band I (5150 - 5250 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	5180	19.70	93.31	250	Pass
11a	CH44	5220	18.42	69.49	250	Pass
11a	CH48	5240	18.92	77.97	250	Pass
11n (HT20)	CH36	5180	18.70	74.06	250	Pass
11n (HT20)	CH44	5220	17.41	55.03	250	Pass
11n (HT20)	CH48	5240	17.85	60.90	250	Pass
11n (HT40)	CH38	5190	19.20	83.22	250	Pass
11n (HT40)	CH46	5230	18.33	68.11	250	Pass

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	5745	18.18	65.76	1000	Pass
11a	CH157	5785	16.24	42.07	1000	Pass
11a	CH165	5825	17.57	57.14	1000	Pass
11n (HT20)	CH149	5745	16.99	49.96	1000	Pass
11n (HT20)	CH157	5785	14.99	31.52	1000	Pass
11n (HT20)	CH165	5825	16.38	43.41	1000	Pass
11n (HT40)	CH151	5755	17.97	62.69	1000	Pass
11n (HT40)	CH159	5795	16.58	45.52	1000	Pass

ANT1

Band I (5150 - 5250 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	5180	19.26	84.29	250	Pass
11a	CH44	5220	18.21	66.19	250	Pass
11a	CH48	5240	18.90	77.59	250	Pass
11n (HT20)	CH36	5180	18.04	63.63	250	Pass
11n (HT20)	CH44	5220	16.92	49.17	250	Pass
11n (HT20)	CH48	5240	17.62	57.76	250	Pass
11n (HT40)	CH38	5190	18.73	74.70	250	Pass
11n (HT40)	CH46	5230	18.14	65.21	250	Pass

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	5745	18.68	73.75	1000	Pass
11a	CH157	5785	16.85	48.39	1000	Pass
11a	CH165	5825	17.88	61.35	1000	Pass
11n (HT20)	CH149	5745	17.36	54.41	1000	Pass
11n (HT20)	CH157	5785	15.56	35.95	1000	Pass
11n (HT20)	CH165	5825	16.68	46.52	1000	Pass
11n (HT40)	CH151	5755	18.47	70.36	1000	Pass
11n (HT40)	CH159	5795	16.42	43.88	1000	Pass

MIMO-ANT0

Band I (5150 - 5250 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH36	5180	18.54	71.52	250	Pass
11n (HT20)	CH44	5220	17.27	53.38	250	Pass
11n (HT20)	CH48	5240	17.73	59.35	250	Pass
11n (HT40)	CH38	5190	18.98	79.04	250	Pass
11n (HT40)	CH46	5230	18.12	64.84	250	Pass

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH149	5745	17.10	51.33	1000	Pass
11n (HT20)	CH157	5785	14.94	31.22	1000	Pass
11n (HT20)	CH165	5825	16.33	42.99	1000	Pass
11n (HT40)	CH151	5755	16.19	41.58	1000	Pass
11n (HT40)	CH159	5795	16.37	43.34	1000	Pass

MIMO-ANT1

Band I (5150 - 5250 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH36	5180	18.01	63.30	250	Pass
11n (HT20)	CH44	5220	16.95	49.59	250	Pass
11n (HT20)	CH48	5240	17.62	57.86	250	Pass
11n (HT40)	CH38	5190	18.49	70.65	250	Pass
11n (HT40)	CH46	5230	17.87	61.25	250	Pass

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11n (HT20)	CH149	5745	17.32	54.00	1000	Pass
11n (HT20)	CH157	5785	15.25	33.53	1000	Pass
11n (HT20)	CH165	5825	16.58	45.54	1000	Pass
11n (HT40)	CH151	5755	18.25	66.85	1000	Pass
11n (HT40)	CH159	5795	16.78	47.66	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ1960488-603 Data Part 1.pdf”.

Test Data

ANT0

Band I (5150 - 5250 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	5180	21.84	16.497829
11a	CH44	5220	21.24	16.439942
11a	CH48	5240	21.40	16.439942
11n (HT20)	CH36	5180	21.12	17.481910
11n (HT20)	CH44	5220	20.84	17.481910
11n (HT20)	CH48	5240	20.60	17.539797
11n (HT40)	CH38	5190	46.30	36.121563
11n (HT40)	CH46	5230	45.10	36.121563

Band IV (5725 - 5850 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	5745	21.16	16.382055
11a	CH157	5785	21.00	16.382055
11a	CH165	5825	21.12	16.382055
11n (HT20)	CH149	5745	20.88	17.481910
11n (HT20)	CH157	5785	20.48	17.481910
11n (HT20)	CH165	5825	20.56	17.481910
11n (HT40)	CH151	5755	53.90	36.584660
11n (HT40)	CH159	5795	52.00	36.468886

ANT1

Band I (5150 - 5250 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	5180	21.48	16.439942
11a	CH44	5220	21.80	16.439942
11a	CH48	5240	21.72	16.382055
11n (HT20)	CH36	5180	20.68	17.481910
11n (HT20)	CH44	5220	20.88	17.424023
11n (HT20)	CH48	5240	20.52	17.481910
11n (HT40)	CH38	5190	43.70	36.121563
11n (HT40)	CH46	5230	44.10	36.005789

Band IV (5725 - 5850 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	5745	21.20	16.497829
11a	CH157	5785	21.12	16.382055
11a	CH165	5825	20.84	16.382055
11n (HT20)	CH149	5745	20.80	17.481910
11n (HT20)	CH157	5785	20.60	17.481910
11n (HT20)	CH165	5825	20.64	17.481910
11n (HT40)	CH151	5755	57.40	36.816208
11n (HT40)	CH159	5795	46.20	36.237337

MIMO-ANT0

Band I (5150 - 5250 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11n (HT20)	CH36	5180	21.36	17.597685
11n (HT20)	CH44	5220	20.96	17.539797
11n (HT20)	CH48	5240	20.68	17.539797
11n (HT40)	CH38	5190	47.10	36.121563
11n (HT40)	CH46	5230	47.80	36.237337

Band IV (5725 - 5850 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11n (HT20)	CH149	5745	20.92	17.539797
11n (HT20)	CH157	5785	20.72	17.481910
11n (HT20)	CH165	5825	20.52	17.481910
11n (HT40)	CH151	5755	56.20	36.816208
11n (HT40)	CH159	5795	57.20	36.700434

MIMO-ANT1

Band I (5150 - 5250 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11n (HT20)	CH36	5180	20.72	17.481910
11n (HT20)	CH44	5220	20.92	17.481910
11n (HT20)	CH48	5240	20.60	17.481910
11n (HT40)	CH38	5190	43.10	36.005789
11n (HT40)	CH46	5230	44.10	36.121563

Band IV (5725 - 5850 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11n (HT20)	CH149	5745	21.48	17.539797
11n (HT20)	CH157	5785	20.60	17.539797
11n (HT20)	CH165	5825	20.52	17.481910
11n (HT40)	CH151	5755	62.70	37.858177
11n (HT40)	CH159	5795	51.30	36.353111

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ1960488-603 Data Part 2.pdf”.

Test Data

ANT0

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	5745	16.270508	500	Pass
11a	CH157	5785	16.370605	500	Pass
11a	CH165	5825	16.420410	500	Pass
11n (HT20)	CH149	5745	17.372070	500	Pass
11n (HT20)	CH157	5785	16.270508	500	Pass
11n (HT20)	CH165	5825	17.321777	500	Pass
11n (HT40)	CH151	5755	35.822266	500	Pass
11n (HT40)	CH159	5795	32.770508	500	Pass

ANT1

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	5745	16.420410	500	Pass
11a	CH157	5785	16.420410	500	Pass
11a	CH165	5825	13.316895	500	Pass
11n (HT20)	CH149	5745	13.967773	500	Pass
11n (HT20)	CH157	5785	17.071289	500	Pass
11n (HT20)	CH165	5825	17.672363	500	Pass
11n (HT40)	CH151	5755	32.670410	500	Pass
11n (HT40)	CH159	5795	35.822754	500	Pass

MIMO-ANT0

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11n (HT20)	CH149	5745	12.766113	500	Pass
11n (HT20)	CH157	5785	16.871094	500	Pass
11n (HT20)	CH165	5825	16.270508	500	Pass
11n (HT40)	CH151	5755	34.421387	500	Pass
11n (HT40)	CH159	5795	34.521973	500	Pass

MIMO-ANT1

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11n (HT20)	CH149	5745	17.071289	500	Pass
11n (HT20)	CH157	5785	15.218750	500	Pass
11n (HT20)	CH165	5825	12.815918	500	Pass
11n (HT40)	CH151	5755	35.772461	500	Pass
11n (HT40)	CH159	5795	35.172363	500	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ1960488-603 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.

ANT0

Band I (5150 - 5250 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	5180	7.99	11.00	Pass
11a	CH44	5220	6.13	11.00	Pass
11a	CH48	5240	5.74	11.00	Pass
11n (HT20)	CH36	5180	6.79	11.00	Pass
11n (HT20)	CH44	5220	3.86	11.00	Pass
11n (HT20)	CH48	5240	3.79	11.00	Pass
11n (HT40)	CH38	5190	3.75	11.00	Pass
11n (HT40)	CH46	5230	-0.35	11.00	Pass

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/500 kHz)	FCC Limit (dBm/500 kHz)	Verdict
11a	CH149	5745	5.44	30.00	Pass
11a	CH157	5785	2.32	30.00	Pass
11a	CH165	5825	4.56	30.00	Pass
11n (HT20)	CH149	5745	4.04	30.00	Pass
11n (HT20)	CH157	5785	1.66	30.00	Pass
11n (HT20)	CH165	5825	3.39	30.00	Pass
11n (HT40)	CH151	5755	0.31	30.00	Pass
11n (HT40)	CH159	5795	0.00	30.00	Pass

ANT1

Band I (5150 - 5250 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH36	5180	7.58	11.00	Pass
11a	CH44	5220	6.11	11.00	Pass
11a	CH48	5240	7.23	11.00	Pass
11n (HT20)	CH36	5180	6.08	11.00	Pass
11n (HT20)	CH44	5220	4.69	11.00	Pass
11n (HT20)	CH48	5240	5.31	11.00	Pass
11n (HT40)	CH38	5190	2.68	11.00	Pass
11n (HT40)	CH46	5230	0.66	11.00	Pass

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/500 kHz)	FCC Limit (dBm/500 kHz)	Verdict
11a	CH149	5745	4.66	30.00	Pass
11a	CH157	5785	3.78	30.00	Pass
11a	CH165	5825	4.45	30.00	Pass
11n (HT20)	CH149	5745	4.44	30.00	Pass
11n (HT20)	CH157	5785	2.05	30.00	Pass
11n (HT20)	CH165	5825	3.32	30.00	Pass
11n (HT40)	CH151	5755	1.22	30.00	Pass
11n (HT40)	CH159	5795	-1.45	30.00	Pass

MIMO-ANT0

Band I (5150 - 5250 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11n (HT20)	CH36	5180	6.47	11.00	Pass
11n (HT20)	CH44	5220	4.75	11.00	Pass
11n (HT20)	CH48	5240	5.02	11.00	Pass
11n (HT40)	CH38	5190	3.37	11.00	Pass
11n (HT40)	CH46	5230	0.85	11.00	Pass

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/500 kHz)	FCC Limit (dBm/500 kHz)	Verdict
11n (HT20)	CH149	5745	3.07	30.00	Pass
11n (HT20)	CH157	5785	1.33	30.00	Pass
11n (HT20)	CH165	5825	3.00	30.00	Pass
11n (HT40)	CH151	5755	-1.14	30.00	Pass
11n (HT40)	CH159	5795	-0.13	30.00	Pass

MIMO-ANT1

Band I (5150 - 5250 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11n (HT20)	CH36	5180	6.35	11.00	Pass
11n (HT20)	CH44	5220	4.79	11.00	Pass
11n (HT20)	CH48	5240	5.45	11.00	Pass
11n (HT40)	CH38	5190	2.96	11.00	Pass
11n (HT40)	CH46	5230	0.61	11.00	Pass

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/500 kHz)	FCC Limit (dBm/500 kHz)	Verdict
11n (HT20)	CH149	5745	4.38	30.00	Pass
11n (HT20)	CH157	5785	1.02	30.00	Pass
11n (HT20)	CH165	5825	3.40	30.00	Pass
11n (HT40)	CH151	5755	0.19	30.00	Pass
11n (HT40)	CH159	5795	-0.69	30.00	Pass

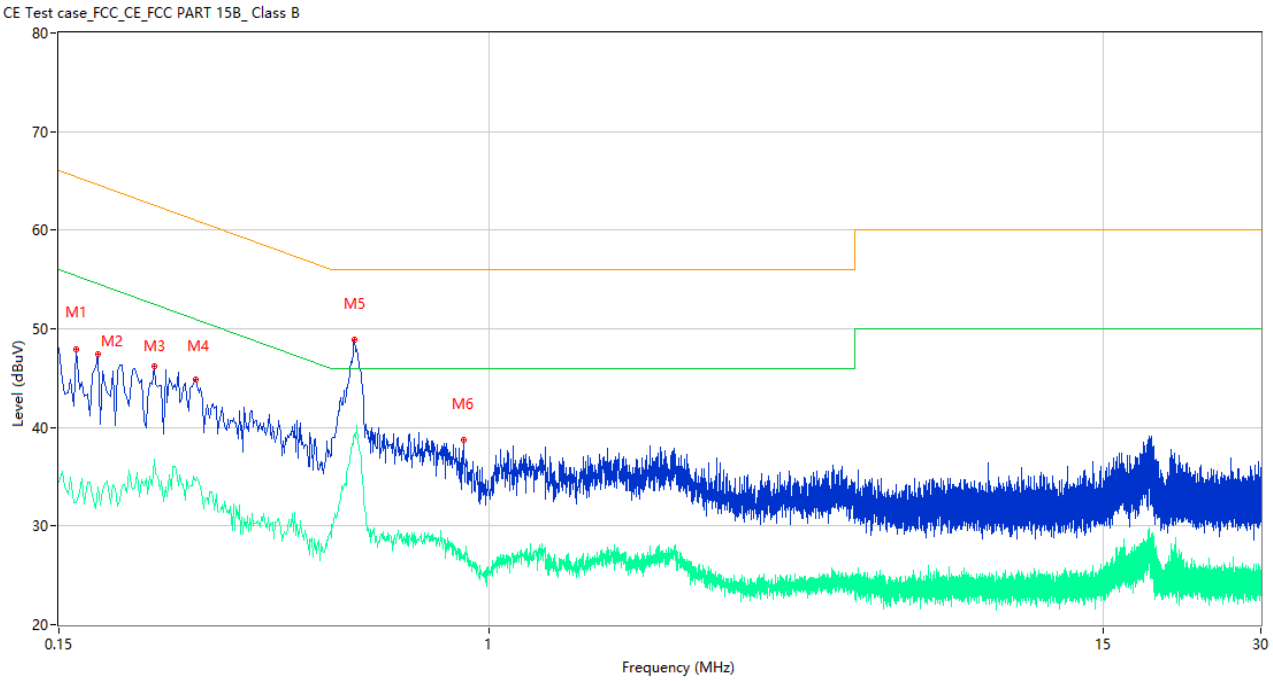
A.5 Conducted Emissions

Note [1]: The EUT is working in the Normal link mode.

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.

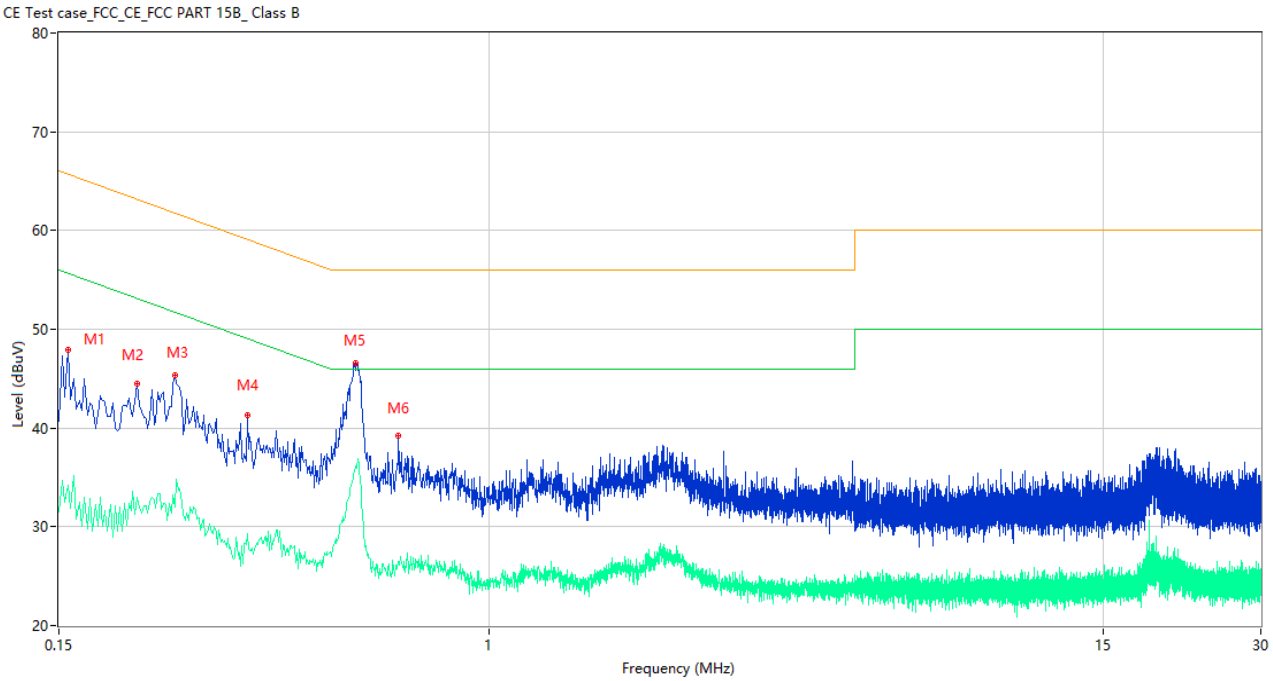
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.162	47.97	10.40	65.36	-17.39	Peak	L	Pass
1**	0.162	32.37	10.40	55.36	-22.99	AV	L	Pass
2	0.178	47.45	10.39	64.58	-17.13	Peak	L	Pass
2**	0.178	33.97	10.39	54.58	-20.61	AV	L	Pass
3	0.228	46.17	10.36	62.52	-16.35	Peak	L	Pass
3**	0.228	36.74	10.36	52.52	-15.78	AV	L	Pass
4	0.274	44.81	10.34	61.00	-16.19	Peak	L	Pass
4**	0.274	34.61	10.34	51.00	-16.39	AV	L	Pass
5	0.552	48.84	10.28	56.00	-7.16	Peak	L	Pass
5**	0.552	39.40	10.28	46.00	-6.60	AV	L	Pass
6	0.892	38.78	10.25	56.00	-17.22	Peak	L	Pass
6**	0.892	27.04	10.25	46.00	-18.96	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.156	47.94	10.41	65.67	-17.73	Peak	N	Pass
1**	0.156	34.18	10.41	55.67	-21.49	AV	N	Pass
2	0.212	44.47	10.38	63.13	-18.66	Peak	N	Pass
2**	0.212	32.99	10.38	53.13	-20.14	AV	N	Pass
3	0.250	45.30	10.33	61.76	-16.46	Peak	N	Pass
3**	0.250	32.02	10.33	51.76	-19.74	AV	N	Pass
4	0.344	41.34	10.32	59.11	-17.77	Peak	N	Pass
4**	0.344	29.28	10.32	49.11	-19.83	AV	N	Pass
5	0.556	46.61	10.28	56.00	-9.39	Peak	N	Pass
5**	0.556	36.06	10.28	46.00	-9.94	AV	N	Pass
6	0.670	39.24	10.28	56.00	-16.76	Peak	N	Pass
6**	0.670	26.53	10.28	46.00	-19.47	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.

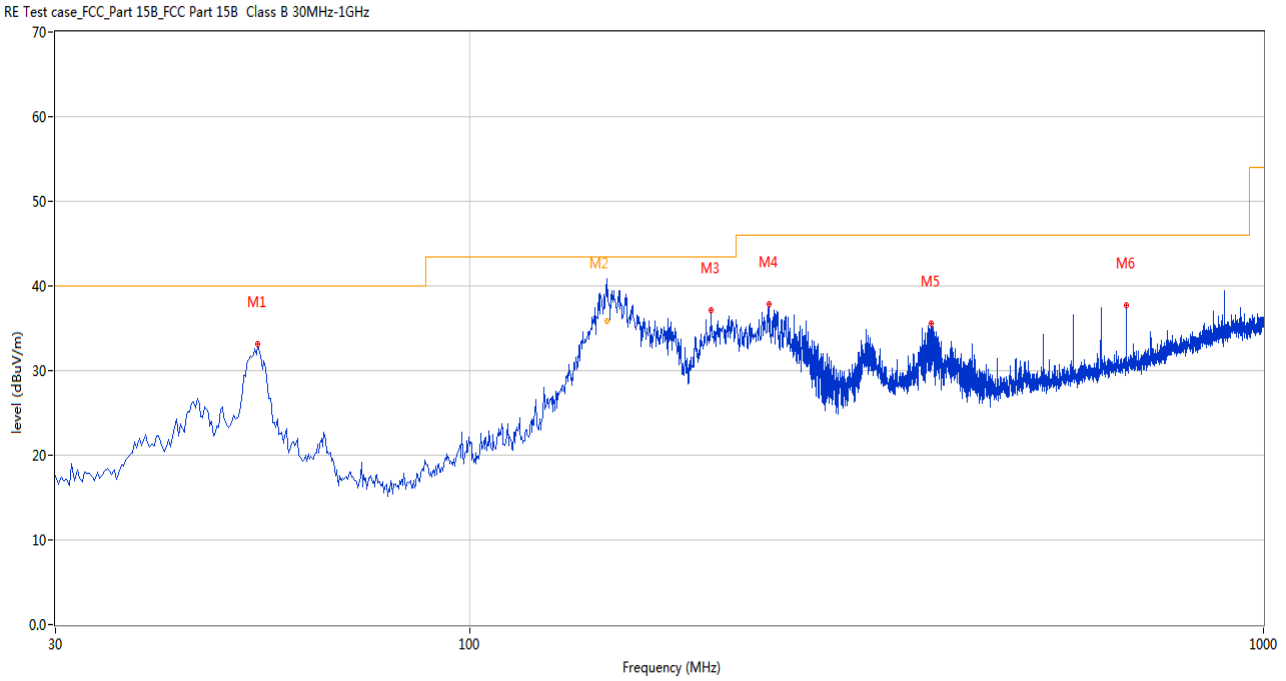
Note [2]: For the test data above 1 GHz，According the ANSI C63.4, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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.

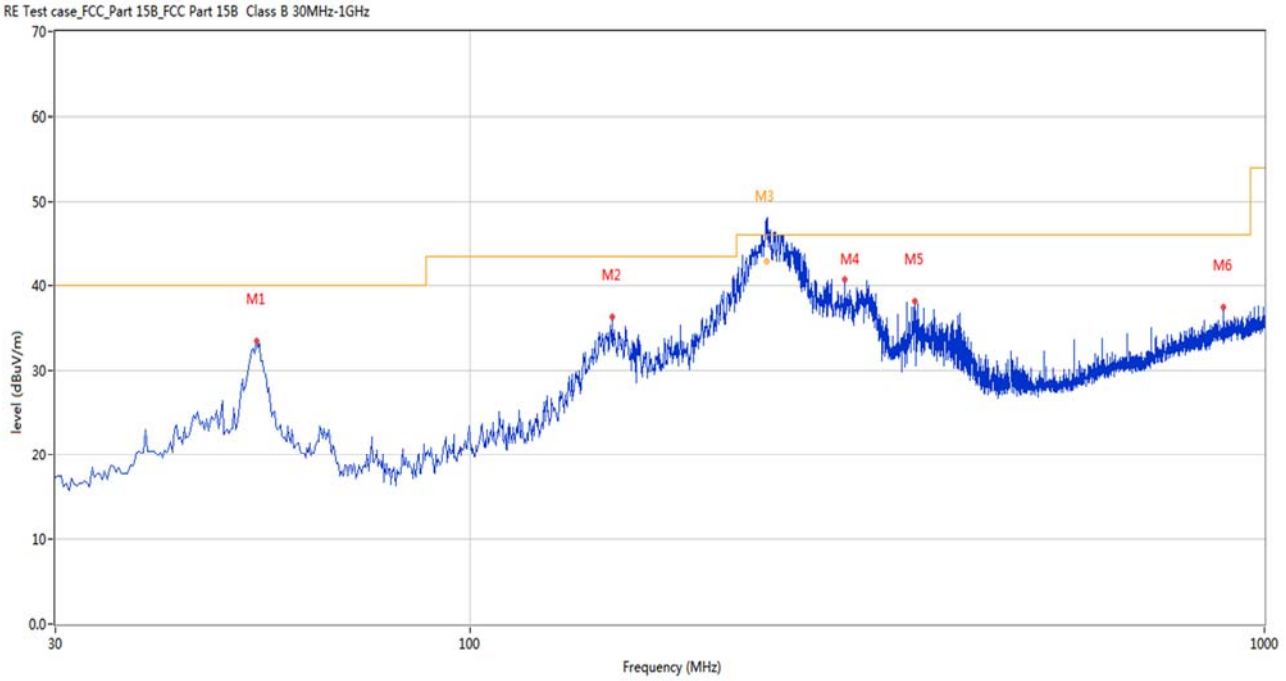
Note [5]: For Multiple transmitter output, the quantity *10 log (NANT)* dB is added to each spectrum value before comparing to the emission limit. When testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding *10 log(NANT)* if the measurements are made relative to the in-band emissions on the individual outputs.

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	54.008	33.19	-23.42	40.0	-6.81	Peak	289.50	100	Vertical	Pass
2	148.899	40.72	-28.02	43.5	-2.78	Peak	289.50	107	Vertical	Pass
2*	148.899	35.90	-28.02	43.5	-7.60	QP	289.50	107	Vertical	N/A
3	201.205	37.21	-24.48	43.5	-6.29	Peak	209.80	100	Vertical	Pass
4	237.822	37.82	-23.31	46.0	-8.18	Peak	314.60	200	Vertical	Pass
5	380.898	35.56	-19.85	46.0	-10.44	Peak	183.60	200	Vertical	Pass
6	671.898	37.66	-13.77	46.0	-8.34	Peak	203.20	100	Vertical	Pass

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	53.765	33.45	-23.41	40.0	-6.55	Peak	341.90	200	Horizontal	Pass
2	150.765	36.23	-28.01	43.5	-7.27	Peak	324.60	200	Horizontal	Pass
3	235.940	49.45	-23.27	46.0	3.45	Peak	187.20	131	Horizontal	N/A
3*	235.940	42.85	-23.27	46.0	-3.15	QP	187.20	131	Horizontal	Pass
4	296.265	40.73	-22.20	46.0	-5.27	Peak	247.20	100	Horizontal	Pass
5	362.467	38.21	-20.14	46.0	-7.79	Peak	270.50	100	Horizontal	Pass
6	887.965	37.48	-10.71	46.0	-8.52	Peak	31.70	100	Horizontal	Pass

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

ANT0

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 (o)	Height (cm)	ANT	Verdict
1**	1596.000	32.93	-17.25	54.0	-21.07	AV	0.00	100	Vertical	Pass
1	1596.000	46.49	-17.25	74.0	-27.51	Peak	0.00	100	Vertical	Pass
2**	2318.000	31.66	-12.48	54.0	-22.34	AV	34.00	100	Vertical	Pass
2	2318.000	42.63	-12.48	74.0	-31.37	Peak	34.00	100	Vertical	Pass
3**	4197.000	35.89	-4.95	54.0	-18.11	AV	64.00	100	Vertical	Pass
3	4197.000	47.26	-4.95	74.0	-26.74	Peak	64.00	100	Vertical	Pass
4**	5175.000	97.10	-2.94	--	97.10	AV	144.00	100	Vertical	N/A
4	5175.000	105.36	-2.94	--	-38.64	Peak	144.00	100	Vertical	N/A
5**	7549.125	36.95	-2.06	54.0	-17.05	AV	360.00	100	Vertical	Pass
5	7549.125	47.88	-2.06	74.0	-26.12	Peak	360.00	100	Vertical	Pass
6**	11440.437	38.98	0.30	54.0	-15.02	AV	4.00	100	Vertical	Pass
6	11440.437	50.31	0.30	74.0	-23.69	Peak	4.00	100	Vertical	Pass

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 (o)	Height (cm)	ANT	Verdict
1**	1593.500	26.06	-17.29	54.0	-27.94	AV	55.00	100	Horizontal	Pass
1	1593.500	41.31	-17.29	74.0	-32.69	Peak	55.00	100	Horizontal	Pass
2**	2785.500	32.53	-10.11	54.0	-21.47	AV	239.00	100	Horizontal	Pass
2	2785.500	42.21	-10.11	74.0	-31.79	Peak	239.00	100	Horizontal	Pass
3**	4169.000	35.68	-4.92	54.0	-18.32	AV	322.00	100	Horizontal	Pass
3	4169.000	47.03	-4.92	74.0	-26.97	Peak	322.00	100	Horizontal	Pass
4**	5187.000	95.58	-2.77	--	95.58	AV	191.00	100	Horizontal	N/A
4	5187.000	103.98	-2.77	--	-87.02	Peak	191.00	100	Horizontal	N/A
5**	8309.562	38.61	-0.77	54.0	-15.39	AV	335.00	100	Horizontal	Pass
5	8309.562	48.92	-0.77	74.0	-25.08	Peak	335.00	100	Horizontal	Pass
6**	15653.250	42.58	1.61	54.0	-11.42	AV	75.00	100	Horizontal	Pass
6	15653.250	53.83	1.61	74.0	-20.17	Peak	75.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.000	29.31	-17.42	54.0	-24.69	AV	9.00	100	Vertical	Pass
1	1598.000	45.87	-17.42	74.0	-28.13	Peak	9.00	100	Vertical	Pass
2**	2814.000	31.85	-9.99	54.0	-22.15	AV	164.00	100	Vertical	Pass
2	2814.000	42.80	-9.99	74.0	-31.20	Peak	164.00	100	Vertical	Pass
3**	4155.000	35.65	-5.27	54.0	-18.35	AV	163.00	100	Vertical	Pass
3	4155.000	46.39	-5.27	74.0	-27.61	Peak	163.00	100	Vertical	Pass
4**	5223.000	95.06	-2.88	--	95.06	AV	133.00	100	Vertical	N/A
4	5223.000	102.57	-2.88	--	-30.43	Peak	133.00	100	Vertical	N/A
5**	8231.938	37.35	-1.56	54.0	-16.65	AV	310.00	100	Vertical	Pass
5	8231.938	48.25	-1.56	74.0	-25.75	Peak	310.00	100	Vertical	Pass
6**	12310.125	39.66	1.69	54.0	-14.34	AV	218.00	100	Vertical	Pass
6	12310.125	51.50	1.69	74.0	-22.50	Peak	218.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1594.500	26.36	-17.30	54.0	-27.64	AV	276.00	100	Horizontal	Pass
1	1594.500	37.74	-17.30	74.0	-36.26	Peak	276.00	100	Horizontal	Pass
2**	2262.000	30.36	-12.62	54.0	-23.64	AV	143.00	100	Horizontal	Pass
2	2262.000	41.67	-12.62	74.0	-32.33	Peak	143.00	100	Horizontal	Pass
3**	4248.000	35.75	-5.20	54.0	-18.25	AV	218.00	100	Horizontal	Pass
3	4248.000	46.99	-5.20	74.0	-27.01	Peak	218.00	100	Horizontal	Pass
4**	5214.000	96.22	-2.94	--	96.22	AV	189.00	100	Horizontal	N/A
4	5214.000	104.43	-2.94	--	-84.57	Peak	189.00	100	Horizontal	N/A
5**	8188.812	37.73	-1.83	54.0	-16.27	AV	85.00	100	Horizontal	Pass
5	8188.812	48.20	-1.83	74.0	-25.80	Peak	85.00	100	Horizontal	Pass
6**	11999.625	39.63	1.46	54.0	-14.37	AV	157.00	100	Horizontal	Pass
6	11999.625	51.12	1.46	74.0	-22.88	Peak	157.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.500	31.06	-17.34	54.0	-22.94	AV	40.00	100	Vertical	Pass
1	1599.500	48.00	-17.34	74.0	-26.00	Peak	40.00	100	Vertical	Pass
2**	2253.000	30.81	-12.79	54.0	-23.19	AV	292.00	100	Vertical	Pass
2	2253.000	41.92	-12.79	74.0	-32.08	Peak	292.00	100	Vertical	Pass
3**	3836.000	35.55	-5.14	54.0	-18.45	AV	164.00	100	Vertical	Pass
3	3836.000	45.73	-5.14	74.0	-28.27	Peak	164.00	100	Vertical	Pass
4**	5234.000	95.39	-2.70	--	95.39	AV	137.00	100	Vertical	N/A
4	5234.000	103.69	-2.70	--	-33.31	Peak	137.00	100	Vertical	N/A
5**	7554.875	37.88	-1.66	54.0	-16.12	AV	143.00	100	Vertical	Pass
5	7554.875	47.35	-1.66	74.0	-26.65	Peak	143.00	100	Vertical	Pass
6**	11903.313	39.93	2.11	54.0	-14.07	AV	337.00	100	Vertical	Pass
6	11903.313	51.21	2.11	74.0	-22.79	Peak	337.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1593.500	27.51	-17.29	54.0	-26.49	AV	290.00	100	Horizontal	Pass
1	1593.500	40.94	-17.29	74.0	-33.06	Peak	290.00	100	Horizontal	Pass
2**	2854.500	32.24	-10.03	54.0	-21.76	AV	209.00	100	Horizontal	Pass
2	2854.500	42.55	-10.03	74.0	-31.45	Peak	209.00	100	Horizontal	Pass
3**	4071.000	35.90	-5.68	54.0	-18.10	AV	18.00	100	Horizontal	Pass
3	4071.000	46.30	-5.68	74.0	-27.70	Peak	18.00	100	Horizontal	Pass
4**	5234.000	96.45	-2.70	--	96.45	AV	174.00	100	Horizontal	N/A
4	5234.000	104.15	-2.70	--	-69.85	Peak	174.00	100	Horizontal	N/A
5**	7470.063	36.92	-3.52	54.0	-17.08	AV	72.00	100	Horizontal	Pass
5	7470.063	47.52	-3.52	74.0	-26.48	Peak	72.00	100	Horizontal	Pass
6**	11069.563	39.41	-0.65	54.0	-14.59	AV	345.00	100	Horizontal	Pass
6	11069.563	50.97	-0.65	74.0	-23.03	Peak	345.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1593.500	30.70	-17.29	54.0	-23.30	AV	132.00	100	Vertical	Pass
1	1593.500	46.23	-17.29	74.0	-27.77	Peak	132.00	100	Vertical	Pass
2**	2784.000	29.92	-9.98	54.0	-24.08	AV	217.00	100	Vertical	Pass
2	2784.000	43.23	-9.98	74.0	-30.77	Peak	217.00	100	Vertical	Pass
3**	3906.000	30.74	-6.11	54.0	-23.26	AV	252.00	100	Vertical	Pass
3	3906.000	47.42	-6.11	74.0	-26.58	Peak	252.00	100	Vertical	Pass
4**	5176.000	97.55	-2.96	--	97.55	AV	129.00	100	Vertical	N/A
4	5176.000	105.94	-2.96	--	-23.06	Peak	129.00	100	Vertical	N/A
5**	7550.562	36.71	-1.85	54.0	-17.29	AV	271.00	100	Vertical	Pass
5	7550.562	47.98	-1.85	74.0	-26.02	Peak	271.00	100	Vertical	Pass
6**	12060.000	39.45	1.28	54.0	-14.55	AV	281.00	100	Vertical	Pass
6	12060.000	50.90	1.28	74.0	-23.10	Peak	281.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.500	27.28	-17.42	54.0	-26.72	AV	71.00	100	Horizontal	Pass
1	1598.500	42.48	-17.42	74.0	-31.52	Peak	71.00	100	Horizontal	Pass
2**	2235.500	30.41	-12.82	54.0	-23.59	AV	136.00	100	Horizontal	Pass
2	2235.500	41.83	-12.82	74.0	-32.17	Peak	136.00	100	Horizontal	Pass
3**	3983.000	33.98	-5.82	54.0	-20.02	AV	348.00	100	Horizontal	Pass
3	3983.000	46.57	-5.82	74.0	-27.43	Peak	348.00	100	Horizontal	Pass
4**	5182.000	103.07	-2.68	--	103.07	AV	175.00	100	Horizontal	N/A
4	5182.000	110.55	-2.68	--	-64.45	Peak	175.00	100	Horizontal	N/A
5**	7523.250	36.33	-2.47	54.0	-17.67	AV	358.00	100	Horizontal	Pass
5	7523.250	48.53	-2.47	74.0	-25.47	Peak	358.00	100	Horizontal	Pass
6**	12021.188	39.00	1.16	54.0	-15.00	AV	90.00	100	Horizontal	Pass
6	12021.188	50.51	1.16	74.0	-23.49	Peak	90.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.000	29.03	-17.42	54.0	-24.97	AV	35.00	100	Vertical	Pass
1	1598.000	42.02	-17.42	74.0	-31.98	Peak	35.00	100	Vertical	Pass
2**	2807.500	31.93	-10.03	54.0	-22.07	AV	315.00	100	Vertical	Pass
2	2807.500	42.73	-10.03	74.0	-31.27	Peak	315.00	100	Vertical	Pass
3**	4074.000	35.85	-5.49	54.0	-18.15	AV	276.00	100	Vertical	Pass
3	4074.000	46.03	-5.49	74.0	-27.97	Peak	276.00	100	Vertical	Pass
4**	5216.000	95.68	-2.93	--	95.68	AV	142.00	100	Vertical	N/A
4	5216.000	102.70	-2.93	--	-39.30	Peak	142.00	100	Vertical	N/A
5**	7554.875	37.76	-1.66	54.0	-16.24	AV	277.00	100	Vertical	Pass
5	7554.875	47.70	-1.66	74.0	-26.30	Peak	277.00	100	Vertical	Pass
6**	11646.000	39.70	0.06	54.0	-14.30	AV	102.00	100	Vertical	Pass
6	11646.000	50.26	0.06	74.0	-23.74	Peak	102.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.000	26.87	-17.42	54.0	-27.13	AV	65.00	100	Horizontal	Pass
1	1598.000	37.95	-17.42	74.0	-36.05	Peak	65.00	100	Horizontal	Pass
2**	2843.000	31.74	-10.01	54.0	-22.26	AV	285.00	100	Horizontal	Pass
2	2843.000	42.99	-10.01	74.0	-31.01	Peak	285.00	100	Horizontal	Pass
3**	4258.000	35.94	-5.06	54.0	-18.06	AV	12.00	100	Horizontal	Pass
3	4258.000	46.80	-5.06	74.0	-27.20	Peak	12.00	100	Horizontal	Pass
4**	5213.000	95.46	-3.11	--	95.46	AV	144.00	100	Horizontal	N/A
4	5213.000	103.95	-3.11	--	-40.05	Peak	144.00	100	Horizontal	N/A
5**	7461.437	37.51	-3.31	54.0	-16.49	AV	121.00	100	Horizontal	Pass
5	7461.437	48.12	-3.31	74.0	-25.88	Peak	121.00	100	Horizontal	Pass
6**	11003.437	39.19	-0.35	54.0	-14.81	AV	12.00	100	Horizontal	Pass
6	11003.437	50.51	-0.35	74.0	-23.49	Peak	12.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1596.000	28.66	-17.25	54.0	-25.34	AV	325.00	100	Vertical	Pass
1	1596.000	46.70	-17.25	74.0	-27.30	Peak	325.00	100	Vertical	Pass
2**	2737.500	31.63	-10.71	54.0	-22.37	AV	194.00	100	Vertical	Pass
2	2737.500	42.76	-10.71	74.0	-31.24	Peak	194.00	100	Vertical	Pass
3**	3953.000	35.66	-4.73	54.0	-18.34	AV	121.00	100	Vertical	Pass
3	3953.000	46.21	-4.73	74.0	-27.79	Peak	121.00	100	Vertical	Pass
4**	5244.000	95.83	-3.02	--	95.83	AV	143.00	100	Vertical	N/A
4	5244.000	102.22	-3.02	--	-40.78	Peak	143.00	100	Vertical	N/A
5**	7529.000	37.17	-2.56	54.0	-16.83	AV	53.00	100	Vertical	Pass
5	7529.000	48.05	-2.56	74.0	-25.95	Peak	53.00	100	Vertical	Pass
6**	12271.313	40.25	1.73	54.0	-13.75	AV	214.00	100	Vertical	Pass
6	12271.313	50.99	1.73	74.0	-23.01	Peak	214.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.500	27.84	-17.34	54.0	-26.16	AV	256.00	100	Horizontal	Pass
1	1599.500	43.01	-17.34	74.0	-30.99	Peak	256.00	100	Horizontal	Pass
2**	2799.500	32.10	-10.04	54.0	-21.90	AV	276.00	100	Horizontal	Pass
2	2799.500	43.11	-10.04	74.0	-30.89	Peak	276.00	100	Horizontal	Pass
3**	4030.000	35.30	-5.16	54.0	-18.70	AV	82.00	100	Horizontal	Pass
3	4030.000	46.04	-5.16	74.0	-27.96	Peak	82.00	100	Horizontal	Pass
4**	5237.000	96.31	-2.86	--	96.31	AV	213.00	100	Horizontal	N/A
4	5237.000	104.30	-2.86	--	-108.70	Peak	213.00	100	Horizontal	N/A
5**	7628.188	36.85	-2.87	54.0	-17.15	AV	155.00	100	Horizontal	Pass
5	7628.188	47.81	-2.87	74.0	-26.19	Peak	155.00	100	Horizontal	Pass
6**	11702.062	39.53	0.79	54.0	-14.47	AV	298.00	100	Horizontal	Pass
6	11702.062	50.65	0.79	74.0	-23.35	Peak	298.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1596.000	29.01	-17.25	54.0	-24.99	AV	76.00	100	Vertical	Pass
1	1596.000	48.40	-17.25	74.0	-25.60	Peak	76.00	100	Vertical	Pass
2**	2792.500	29.75	-10.41	54.0	-24.25	AV	76.00	100	Vertical	Pass
2	2792.500	43.08	-10.41	74.0	-30.92	Peak	76.00	100	Vertical	Pass
3**	4159.000	31.81	-5.04	54.0	-22.19	AV	105.00	100	Vertical	Pass
3	4159.000	47.09	-5.04	74.0	-26.91	Peak	105.00	100	Vertical	Pass
4**	5181.000	96.53	-2.58	--	96.53	AV	129.00	100	Vertical	N/A
4	5181.000	104.07	-2.58	--	-24.93	Peak	129.00	100	Vertical	N/A
5**	11831.437	39.18	1.41	54.0	-14.82	AV	13.00	100	Vertical	Pass
5	11831.437	50.46	1.41	74.0	-23.54	Peak	13.00	100	Vertical	Pass
6**	15856.687	42.30	1.63	54.0	-11.70	AV	357.00	100	Vertical	Pass
6	15856.687	53.94	1.63	74.0	-20.06	Peak	357.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1595.000	26.60	-17.28	54.0	-27.40	AV	296.00	100	Horizontal	Pass
1	1595.000	44.59	-17.28	74.0	-29.41	Peak	296.00	100	Horizontal	Pass
2**	2870.500	30.02	-10.20	54.0	-23.98	AV	253.00	100	Horizontal	Pass
2	2870.500	43.94	-10.20	74.0	-30.06	Peak	253.00	100	Horizontal	Pass
3**	3964.000	30.63	-5.09	54.0	-23.37	AV	284.00	100	Horizontal	Pass
3	3964.000	46.70	-5.09	74.0	-27.30	Peak	284.00	100	Horizontal	Pass
4**	5191.000	97.41	-2.79	--	97.41	AV	177.00	100	Horizontal	N/A
4	5191.000	109.11	-2.79	--	-67.89	Peak	177.00	100	Horizontal	N/A
5**	11572.688	38.68	-0.03	54.0	-15.32	AV	160.00	100	Horizontal	Pass
5	11572.688	49.95	-0.03	74.0	-24.05	Peak	160.00	100	Horizontal	Pass
6**	15978.750	43.35	1.34	54.0	-10.65	AV	235.00	100	Horizontal	Pass
6	15978.750	53.88	1.34	74.0	-20.12	Peak	235.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1596.000	31.58	-17.25	54.0	-22.42	AV	1.00	100	Vertical	Pass
1	1596.000	47.78	-17.25	74.0	-26.22	Peak	1.00	100	Vertical	Pass
2**	2758.500	32.31	-10.42	54.0	-21.69	AV	0.00	100	Vertical	Pass
2	2758.500	42.84	-10.42	74.0	-31.16	Peak	0.00	100	Vertical	Pass
3**	4284.000	37.06	-4.94	54.0	-16.94	AV	347.00	100	Vertical	Pass
3	4284.000	48.00	-4.94	74.0	-26.00	Peak	347.00	100	Vertical	Pass
4**	5233.000	94.26	-2.78	--	94.26	AV	123.00	100	Vertical	N/A
4	5233.000	102.38	-2.78	--	-20.62	Peak	123.00	100	Vertical	N/A
5**	7583.625	36.58	-2.82	54.0	-17.42	AV	341.00	100	Vertical	Pass
5	7583.625	47.88	-2.82	74.0	-26.12	Peak	341.00	100	Vertical	Pass
6**	12061.438	39.88	1.26	54.0	-14.12	AV	315.00	100	Vertical	Pass
6	12061.438	50.63	1.26	74.0	-23.37	Peak	315.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1593.000	26.41	-17.26	54.0	-27.59	AV	163.00	100	Horizontal	Pass
1	1593.000	43.79	-17.26	74.0	-30.21	Peak	163.00	100	Horizontal	Pass
2**	2248.500	30.95	-12.59	54.0	-23.05	AV	0.00	100	Horizontal	Pass
2	2248.500	41.06	-12.59	74.0	-32.94	Peak	0.00	100	Horizontal	Pass
3**	4043.000	36.48	-4.98	54.0	-17.52	AV	360.00	100	Horizontal	Pass
3	4043.000	45.73	-4.98	74.0	-28.27	Peak	360.00	100	Horizontal	Pass
4**	5233.000	95.20	-2.78	--	95.20	AV	141.00	100	Horizontal	N/A
4	5233.000	103.53	-2.78	--	-37.47	Peak	141.00	100	Horizontal	N/A
5**	7497.375	37.38	-2.79	54.0	-16.62	AV	77.00	100	Horizontal	Pass
5	7497.375	48.62	-2.79	74.0	-25.38	Peak	77.00	100	Horizontal	Pass
6**	12137.625	39.62	0.80	54.0	-14.38	AV	360.00	100	Horizontal	Pass
6	12137.625	52.05	0.80	74.0	-21.95	Peak	360.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1594.500	28.46	-17.30	54.0	-25.54	AV	320.00	100	Vertical	Pass
1	1594.500	46.11	-17.30	74.0	-27.89	Peak	320.00	100	Vertical	Pass
2**	2822.500	29.35	-9.94	54.0	-24.65	AV	195.00	100	Vertical	Pass
2	2822.500	43.67	-9.94	74.0	-30.33	Peak	195.00	100	Vertical	Pass
3**	3964.000	30.52	-5.09	54.0	-23.48	AV	210.00	100	Vertical	Pass
3	3964.000	47.02	-5.09	74.0	-26.98	Peak	210.00	100	Vertical	Pass
4**	5748.000	94.07	-2.46	--	94.07	AV	141.00	100	Vertical	N/A
4	5748.000	102.48	-2.46	--	-38.52	Peak	141.00	100	Vertical	N/A
5**	7332.063	37.64	-3.40	54.0	-16.36	AV	210.00	100	Vertical	Pass
5	7332.063	48.15	-3.40	74.0	-25.85	Peak	210.00	100	Vertical	Pass
6**	11926.313	39.09	1.69	54.0	-14.91	AV	65.00	100	Vertical	Pass
6	11926.313	50.19	1.69	74.0	-23.81	Peak	65.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	25.88	-17.33	54.0	-28.12	AV	322.00	100	Horizontal	Pass
1	1597.000	41.61	-17.33	74.0	-32.39	Peak	322.00	100	Horizontal	Pass
2**	2783.500	29.30	-9.98	54.0	-24.70	AV	114.00	100	Horizontal	Pass
2	2783.500	43.36	-9.98	74.0	-30.64	Peak	114.00	100	Horizontal	Pass
3**	3940.000	31.31	-5.29	54.0	-22.69	AV	138.00	100	Horizontal	Pass
3	3940.000	48.47	-5.29	74.0	-25.53	Peak	138.00	100	Horizontal	Pass
4**	5747.000	104.21	-2.35	--	104.21	AV	183.00	100	Horizontal	N/A
4	5747.000	111.98	-2.35	--	-71.02	Peak	183.00	100	Horizontal	N/A
5**	7609.500	37.24	-2.53	54.0	-16.76	AV	204.00	100	Horizontal	Pass
5	7609.500	47.69	-2.53	74.0	-26.31	Peak	204.00	100	Horizontal	Pass
6**	11460.563	39.08	0.20	54.0	-14.92	AV	30.00	100	Horizontal	Pass
6	11460.563	50.33	0.20	74.0	-23.67	Peak	30.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.000	29.49	-17.42	54.0	-24.51	AV	0.00	100	Vertical	Pass
1	1598.000	47.95	-17.42	74.0	-26.05	Peak	0.00	100	Vertical	Pass
2**	2807.000	30.08	-10.08	54.0	-23.92	AV	195.00	100	Vertical	Pass
2	2807.000	42.67	-10.08	74.0	-31.33	Peak	195.00	100	Vertical	Pass
3**	4286.000	33.86	-4.82	54.0	-20.14	AV	218.00	100	Vertical	Pass
3	4286.000	47.62	-4.82	74.0	-26.38	Peak	218.00	100	Vertical	Pass
4**	5788.000	94.22	-2.02	--	94.22	AV	136.00	100	Vertical	N/A
4	5788.000	101.84	-2.02	--	-34.16	Peak	136.00	100	Vertical	N/A
5**	8207.500	37.00	-1.87	54.0	-17.00	AV	48.00	100	Vertical	Pass
5	8207.500	48.42	-1.87	74.0	-25.58	Peak	48.00	100	Vertical	Pass
6**	12107.437	40.25	0.89	54.0	-13.75	AV	16.00	100	Vertical	Pass
6	12107.437	51.37	0.89	74.0	-22.63	Peak	16.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.500	28.31	-17.34	54.0	-25.69	AV	303.00	100	Horizontal	Pass
1	1599.500	44.12	-17.34	74.0	-29.88	Peak	303.00	100	Horizontal	Pass
2**	2830.500	29.39	-10.10	54.0	-24.61	AV	272.00	100	Horizontal	Pass
2	2830.500	43.07	-10.10	74.0	-30.93	Peak	272.00	100	Horizontal	Pass
3**	4054.000	31.22	-5.28	54.0	-22.78	AV	0.00	100	Horizontal	Pass
3	4054.000	46.44	-5.28	74.0	-27.56	Peak	0.00	100	Horizontal	Pass
4**	5782.000	103.33	-1.96	--	103.33	AV	161.00	100	Horizontal	N/A
4	5782.000	111.79	-1.96	--	-49.21	Peak	161.00	100	Horizontal	Pass
5**	7554.875	37.34	-1.66	54.0	-16.66	AV	0.00	100	Horizontal	Pass
5	7554.875	47.15	-1.66	74.0	-26.85	Peak	0.00	100	Horizontal	Pass
6**	11953.625	39.82	1.36	54.0	-14.18	AV	108.00	100	Horizontal	Pass
6	11953.625	50.22	1.36	74.0	-23.78	Peak	108.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.500	29.30	-17.38	54.0	-24.70	AV	83.00	100	Vertical	Pass
1	1597.500	47.81	-17.38	74.0	-26.19	Peak	83.00	100	Vertical	Pass
2**	2789.000	30.54	-10.14	54.0	-23.46	AV	231.00	100	Vertical	Pass
2	2789.000	42.77	-10.14	74.0	-31.23	Peak	231.00	100	Vertical	Pass
3**	4208.000	32.09	-5.15	54.0	-21.91	AV	146.00	100	Vertical	Pass
3	4208.000	47.84	-5.15	74.0	-26.16	Peak	146.00	100	Vertical	Pass
4**	5829.000	96.02	-1.84	--	96.02	AV	137.00	100	Vertical	N/A
4	5829.000	103.79	-1.84	--	-33.21	Peak	137.00	100	Vertical	N/A
5**	7461.437	37.25	-3.31	54.0	-16.75	AV	46.00	100	Vertical	Pass
5	7461.437	47.45	-3.31	74.0	-26.55	Peak	46.00	100	Vertical	Pass
6**	11368.563	39.57	-0.01	54.0	-14.43	AV	230.00	100	Vertical	Pass
6	11368.563	50.16	-0.01	74.0	-23.84	Peak	230.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.500	26.03	-17.42	54.0	-27.97	AV	161.00	100	Horizontal	Pass
1	1598.500	39.79	-17.42	74.0	-34.21	Peak	161.00	100	Horizontal	Pass
2**	2788.000	31.31	-9.94	54.0	-22.69	AV	123.00	100	Horizontal	Pass
2	2788.000	43.24	-9.94	74.0	-30.76	Peak	123.00	100	Horizontal	Pass
3**	3836.000	31.07	-5.14	54.0	-22.93	AV	309.00	100	Horizontal	Pass
3	3836.000	47.46	-5.14	74.0	-26.54	Peak	309.00	100	Horizontal	Pass
4**	5824.000	104.87	-2.20	--	104.87	AV	172.00	100	Horizontal	N/A
4	5824.000	112.29	-2.20	--	-59.71	Peak	172.00	100	Horizontal	N/A
5**	7559.187	37.42	-1.83	54.0	-16.58	AV	0.00	100	Horizontal	Pass
5	7559.187	48.11	-1.83	74.0	-25.89	Peak	0.00	100	Horizontal	Pass
6**	12149.125	39.26	0.85	54.0	-14.74	AV	53.00	100	Horizontal	Pass
6	12149.125	50.44	0.85	74.0	-23.56	Peak	53.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.500	28.64	-17.34	54.0	-25.36	AV	349.00	100	Vertical	Pass
1	1599.500	48.32	-17.34	74.0	-25.68	Peak	349.00	100	Vertical	Pass
2**	2757.500	30.21	-10.51	54.0	-23.79	AV	20.00	100	Vertical	Pass
2	2757.500	42.82	-10.51	74.0	-31.18	Peak	20.00	100	Vertical	Pass
3**	4722.000	33.54	-3.54	54.0	-20.46	AV	9.00	100	Vertical	Pass
3	4722.000	49.07	-3.54	74.0	-24.93	Peak	9.00	100	Vertical	Pass
4**	5744.000	92.83	-2.39	--	92.83	AV	137.00	100	Vertical	N/A
4	5744.000	100.90	-2.39	--	-36.10	Peak	137.00	100	Vertical	N/A
5**	8279.375	37.49	-1.24	54.0	-16.51	AV	78.00	100	Vertical	Pass
5	8279.375	48.84	-1.24	74.0	-25.16	Peak	78.00	100	Vertical	Pass
6**	11658.937	39.65	0.43	54.0	-14.35	AV	127.00	100	Vertical	Pass
6	11658.937	50.45	0.43	74.0	-23.55	Peak	127.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.500	26.62	-17.42	54.0	-27.38	AV	304.00	100	Horizontal	Pass
1	1598.500	44.06	-17.42	74.0	-29.94	Peak	304.00	100	Horizontal	Pass
2**	2804.000	29.43	-10.16	54.0	-24.57	AV	360.00	100	Horizontal	Pass
2	2804.000	43.35	-10.16	74.0	-30.65	Peak	360.00	100	Horizontal	Pass
3**	3976.000	30.68	-5.62	54.0	-23.32	AV	341.00	100	Horizontal	Pass
3	3976.000	48.15	-5.62	74.0	-25.85	Peak	341.00	100	Horizontal	Pass
4**	5747.000	103.74	-2.35	--	103.74	AV	162.00	100	Horizontal	N/A
4	5747.000	110.66	-2.35	--	-51.34	Peak	162.00	100	Horizontal	N/A
5**	7562.062	37.62	-2.04	54.0	-16.38	AV	361.00	100	Horizontal	Pass
5	7562.062	47.33	-2.04	74.0	-26.67	Peak	361.00	100	Horizontal	Pass
6**	11775.375	39.06	1.44	54.0	-14.94	AV	189.00	100	Horizontal	Pass
6	11775.375	52.14	1.44	74.0	-21.86	Peak	189.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	31.56	-17.33	54.0	-22.44	AV	7.00	100	Vertical	Pass
1	1597.000	47.18	-17.33	74.0	-26.82	Peak	7.00	100	Vertical	Pass
2**	2825.000	29.68	-10.18	54.0	-24.32	AV	74.00	100	Vertical	Pass
2	2825.000	43.95	-10.18	74.0	-30.05	Peak	74.00	100	Vertical	Pass
3**	4060.000	31.71	-5.06	54.0	-22.29	AV	107.00	100	Vertical	Pass
3	4060.000	48.01	-5.06	74.0	-25.99	Peak	107.00	100	Vertical	Pass
4**	5785.000	93.29	-2.18	--	93.29	AV	118.00	100	Vertical	N/A
4	5785.000	101.39	-2.18	--	-16.61	Peak	118.00	100	Vertical	N/A
5**	7544.813	37.42	-2.21	54.0	-16.58	AV	98.00	100	Vertical	Pass
5	7544.813	48.13	-2.21	74.0	-25.87	Peak	98.00	100	Vertical	Pass
6**	11451.938	39.39	0.28	54.0	-14.61	AV	216.00	100	Vertical	Pass
6	11451.938	50.78	0.28	74.0	-23.22	Peak	216.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.500	27.99	-17.34	54.0	-26.01	AV	167.00	100	Horizontal	Pass
1	1599.500	46.96	-17.34	74.0	-27.04	Peak	167.00	100	Horizontal	Pass
2**	2808.000	29.75	-10.01	54.0	-24.25	AV	361.00	100	Horizontal	Pass
2	2808.000	42.81	-10.01	74.0	-31.19	Peak	361.00	100	Horizontal	Pass
3**	4034.000	32.02	-5.04	54.0	-21.98	AV	360.00	100	Horizontal	Pass
3	4034.000	47.30	-5.04	74.0	-26.70	Peak	360.00	100	Horizontal	Pass
4**	5789.000	98.57	-2.10	--	98.57	AV	132.00	100	Horizontal	N/A
4	5789.000	105.84	-2.10	--	-26.16	Peak	132.00	100	Horizontal	N/A
5**	7349.313	37.47	-3.48	54.0	-16.53	AV	106.00	100	Horizontal	Pass
5	7349.313	47.74	-3.48	74.0	-26.26	Peak	106.00	100	Horizontal	Pass
6**	11654.625	39.69	0.28	54.0	-14.31	AV	183.00	100	Horizontal	Pass
6	11654.625	50.88	0.28	74.0	-23.12	Peak	183.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	34.26	-17.33	54.0	-19.74	AV	360.00	100	Vertical	Pass
1	1597.000	47.64	-17.33	74.0	-26.36	Peak	360.00	100	Vertical	Pass
2**	2772.500	30.04	-10.36	54.0	-23.96	AV	175.00	100	Vertical	Pass
2	2772.500	42.69	-10.36	74.0	-31.31	Peak	175.00	100	Vertical	Pass
3**	3957.000	31.08	-4.77	54.0	-22.92	AV	7.00	100	Vertical	Pass
3	3957.000	47.50	-4.77	74.0	-26.50	Peak	7.00	100	Vertical	Pass
4**	5823.000	94.30	-2.05	--	94.30	AV	131.00	100	Vertical	N/A
4	5823.000	102.57	-2.05	--	-28.43	Peak	131.00	100	Vertical	N/A
5**	7359.375	36.98	-3.53	54.0	-17.02	AV	107.00	100	Vertical	Pass
5	7359.375	48.11	-3.53	74.0	-25.89	Peak	107.00	100	Vertical	Pass
6**	12231.063	39.75	1.65	54.0	-14.25	AV	262.00	100	Vertical	Pass
6	12231.063	50.47	1.65	74.0	-23.53	Peak	262.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1593.000	25.93	-17.26	54.0	-28.07	AV	161.00	100	Horizontal	Pass
1	1593.000	43.96	-17.26	74.0	-30.04	Peak	161.00	100	Horizontal	Pass
2**	2842.500	30.31	-9.97	54.0	-23.69	AV	258.00	100	Horizontal	Pass
2	2842.500	43.40	-9.97	74.0	-30.60	Peak	258.00	100	Horizontal	Pass
3**	3692.000	30.55	-6.05	54.0	-23.45	AV	232.00	100	Horizontal	Pass
3	3692.000	47.60	-6.05	74.0	-26.40	Peak	232.00	100	Horizontal	Pass
4**	5823.000	104.39	-2.05	--	104.39	AV	158.00	100	Horizontal	N/A
4	5823.000	111.82	-2.05	--	-46.18	Peak	158.00	100	Horizontal	N/A
5**	7439.875	37.12	-3.24	54.0	-16.88	AV	361.00	100	Horizontal	Pass
5	7439.875	47.60	-3.24	74.0	-26.40	Peak	361.00	100	Horizontal	Pass
6**	10823.750	39.04	0.94	54.0	-14.96	AV	22.00	100	Horizontal	Pass
6	10823.750	50.29	0.94	74.0	-23.71	Peak	22.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.500	30.17	-17.38	54.0	-23.83	AV	346.00	100	Vertical	Pass
1	1597.500	48.41	-17.38	74.0	-25.59	Peak	346.00	100	Vertical	Pass
2**	2786.000	31.02	-10.16	54.0	-22.98	AV	87.00	100	Vertical	Pass
2	2786.000	43.55	-10.16	74.0	-30.45	Peak	87.00	100	Vertical	Pass
3**	3950.000	31.43	-4.75	54.0	-22.57	AV	23.00	100	Vertical	Pass
3	3950.000	47.11	-4.75	74.0	-26.89	Peak	23.00	100	Vertical	Pass
4**	5754.000	90.05	-2.11	--	90.05	AV	137.00	100	Vertical	N/A
4	5754.000	98.87	-2.11	--	-38.13	Peak	137.00	100	Vertical	N/A
5**	8308.125	37.77	-0.68	54.0	-16.23	AV	354.00	100	Vertical	Pass
5	8308.125	48.03	-0.68	74.0	-25.97	Peak	354.00	100	Vertical	Pass
6**	11901.875	39.48	2.17	54.0	-14.52	AV	234.00	100	Vertical	Pass
6	11901.875	50.23	2.17	74.0	-23.77	Peak	234.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.000	26.02	-17.42	54.0	-27.98	AV	200.00	100	Horizontal	Pass
1	1598.000	40.06	-17.42	74.0	-33.94	Peak	200.00	100	Horizontal	Pass
2**	2771.500	30.55	-10.29	54.0	-23.45	AV	117.00	100	Horizontal	Pass
2	2771.500	42.77	-10.29	74.0	-31.23	Peak	117.00	100	Horizontal	Pass
3**	4047.000	31.71	-4.92	54.0	-22.29	AV	360.00	100	Horizontal	Pass
3	4047.000	47.71	-4.92	74.0	-26.29	Peak	360.00	100	Horizontal	Pass
4**	5757.000	100.62	-2.00	--	100.62	AV	180.00	100	Horizontal	N/A
4	5757.000	108.17	-2.00	--	-71.83	Peak	180.00	100	Horizontal	N/A
5**	8105.438	37.47	-2.09	54.0	-16.53	AV	81.00	100	Horizontal	Pass
5	8105.438	48.27	-2.09	74.0	-25.73	Peak	81.00	100	Horizontal	Pass
6**	12136.188	39.52	0.79	54.0	-14.48	AV	8.00	100	Horizontal	Pass
6	12136.188	50.30	0.79	74.0	-23.70	Peak	8.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1596.500	31.43	-17.28	54.0	-22.57	AV	23.00	100	Vertical	Pass
1	1596.500	45.69	-17.28	74.0	-28.31	Peak	23.00	100	Vertical	Pass
2**	2811.000	30.93	-9.99	54.0	-23.07	AV	273.00	100	Vertical	Pass
2	2811.000	43.10	-9.99	74.0	-30.90	Peak	273.00	100	Vertical	Pass
3**	4775.000	33.68	-2.67	54.0	-20.32	AV	2.00	100	Vertical	Pass
3	4775.000	49.64	-2.67	74.0	-24.36	Peak	2.00	100	Vertical	Pass
4**	5799.000	90.94	-2.17	--	90.94	AV	118.00	100	Vertical	N/A
4	5799.000	98.64	-2.17	--	-19.36	Peak	118.00	100	Vertical	N/A
5**	7616.688	36.81	-3.02	54.0	-17.19	AV	90.00	100	Vertical	Pass
5	7616.688	47.52	-3.02	74.0	-26.48	Peak	90.00	100	Vertical	Pass
6**	11729.375	39.28	1.32	54.0	-14.72	AV	337.00	100	Vertical	Pass
6	11729.375	50.38	1.32	74.0	-23.62	Peak	337.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.000	25.88	-17.42	54.0	-28.12	AV	319.00	100	Horizontal	Pass
1	1598.000	42.89	-17.42	74.0	-31.11	Peak	319.00	100	Horizontal	Pass
2**	2807.000	29.94	-10.08	54.0	-24.06	AV	91.00	100	Horizontal	Pass
2	2807.000	43.27	-10.08	74.0	-30.73	Peak	91.00	100	Horizontal	Pass
3**	4101.000	30.70	-5.94	54.0	-23.30	AV	273.00	100	Horizontal	Pass
3	4101.000	47.43	-5.94	74.0	-26.57	Peak	273.00	100	Horizontal	Pass
4**	5794.000	100.81	-2.26	--	100.81	AV	180.00	100	Horizontal	N/A
4	5794.000	108.72	-2.26	--	-71.28	Peak	180.00	100	Horizontal	N/A
5**	7424.062	36.94	-3.16	54.0	-17.06	AV	323.00	100	Horizontal	Pass
5	7424.062	47.46	-3.16	74.0	-26.54	Peak	323.00	100	Horizontal	Pass
6**	12107.437	39.79	0.89	54.0	-14.21	AV	97.00	100	Horizontal	Pass
6	12107.437	51.19	0.89	74.0	-22.81	Peak	97.00	100	Horizontal	Pass

ANT1

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 (o)	Height (cm)	ANT	Verdict
1**	1600.000	29.35	-17.30	54.0	-24.65	AV	291.00	100	Vertical	Pass
1	1600.000	46.33	-17.30	74.0	-27.67	Peak	291.00	100	Vertical	Pass
2**	2832.000	33.00	-10.03	54.0	-21.00	AV	91.00	100	Vertical	Pass
2	2832.000	42.99	-10.03	74.0	-31.01	Peak	91.00	100	Vertical	Pass
3**	4297.000	38.03	-4.86	54.0	-15.97	AV	284.00	100	Vertical	Pass
3	4297.000	48.30	-4.86	74.0	-25.70	Peak	284.00	100	Vertical	Pass
4**	5183.000	104.99	-2.77	--	104.99	AV	332.00	100	Vertical	N/A
4	5183.000	113.13	-2.77	--	-218.87	Peak	332.00	100	Vertical	N/A
5**	7419.750	36.81	-3.41	54.0	-17.19	AV	360.00	100	Vertical	Pass
5	7419.750	47.77	-3.41	74.0	-26.23	Peak	360.00	100	Vertical	Pass
6**	11880.313	39.71	1.86	54.0	-14.29	AV	225.00	100	Vertical	Pass
6	11880.313	50.48	1.86	74.0	-23.52	Peak	225.00	100	Vertical	Pass

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 (o)	Height (cm)	ANT	Verdict
1**	1595.000	28.34	-17.28	54.0	-25.66	AV	172.00	100	Horizontal	Pass
1	1595.000	42.15	-17.28	74.0	-31.85	Peak	172.00	100	Horizontal	Pass
2**	2745.000	32.54	-10.62	54.0	-21.46	AV	64.00	100	Horizontal	Pass
2	2745.000	43.62	-10.62	74.0	-30.38	Peak	64.00	100	Horizontal	Pass
3**	4137.000	37.05	-5.05	54.0	-16.95	AV	123.00	100	Horizontal	Pass
3	4137.000	48.00	-5.05	74.0	-26.00	Peak	123.00	100	Horizontal	Pass
4**	5178.000	98.34	-2.87	--	98.34	AV	325.00	100	Horizontal	N/A
4	5178.000	106.34	-2.87	--	-218.66	Peak	325.00	100	Horizontal	N/A
5**	7587.937	37.32	-2.65	54.0	-16.68	AV	96.00	100	Horizontal	Pass
5	7587.937	47.98	-2.65	74.0	-26.02	Peak	96.00	100	Horizontal	Pass
6**	11903.313	40.66	2.11	54.0	-13.34	AV	347.00	100	Horizontal	Pass
6	11903.313	51.13	2.11	74.0	-22.87	Peak	347.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	30.65	-17.33	54.0	-23.35	AV	331.00	100	Vertical	Pass
1	1597.000	44.09	-17.33	74.0	-29.91	Peak	331.00	100	Vertical	Pass
2**	2800.500	31.80	-10.18	54.0	-22.20	AV	263.00	100	Vertical	Pass
2	2800.500	42.85	-10.18	74.0	-31.15	Peak	263.00	100	Vertical	Pass
3**	4169.000	35.86	-4.92	54.0	-18.14	AV	45.00	100	Vertical	Pass
3	4169.000	46.51	-4.92	74.0	-27.49	Peak	45.00	100	Vertical	Pass
4**	5215.000	96.74	-2.82	--	96.74	AV	360.00	100	Vertical	N/A
4	5215.000	104.81	-2.82	--	-255.19	Peak	360.00	100	Vertical	N/A
5**	8204.625	37.30	-1.69	54.0	-16.70	AV	8.00	100	Vertical	Pass
5	8204.625	49.78	-1.69	74.0	-24.22	Peak	8.00	100	Vertical	Pass
6**	12353.250	40.65	1.70	54.0	-13.35	AV	82.00	100	Vertical	Pass
6	12353.250	51.33	1.70	74.0	-22.67	Peak	82.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.500	27.02	-17.38	54.0	-26.98	AV	51.00	100	Horizontal	Pass
1	1597.500	38.25	-17.38	74.0	-35.75	Peak	51.00	100	Horizontal	Pass
2**	2772.000	32.05	-10.33	54.0	-21.95	AV	296.00	100	Horizontal	Pass
2	2772.000	42.35	-10.33	74.0	-31.65	Peak	296.00	100	Horizontal	Pass
3**	4054.000	36.26	-5.28	54.0	-17.74	AV	152.00	100	Horizontal	Pass
3	4054.000	47.13	-5.28	74.0	-26.87	Peak	152.00	100	Horizontal	Pass
4**	5216.000	95.23	-2.93	--	95.23	AV	336.00	100	Horizontal	N/A
4	5216.000	102.83	-2.93	--	-233.17	Peak	336.00	100	Horizontal	N/A
5**	7419.750	36.61	-3.41	54.0	-17.39	AV	185.00	100	Horizontal	Pass
5	7419.750	47.61	-3.41	74.0	-26.39	Peak	185.00	100	Horizontal	Pass
6**	11584.187	38.93	0.08	54.0	-15.07	AV	13.00	100	Horizontal	Pass
6	11584.187	50.19	0.08	74.0	-23.81	Peak	13.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	30.36	-17.33	54.0	-23.64	AV	298.00	100	Vertical	Pass
1	1597.000	46.19	-17.33	74.0	-27.81	Peak	298.00	100	Vertical	Pass
2**	2808.500	31.78	-10.00	54.0	-22.22	AV	359.00	100	Vertical	Pass
2	2808.500	43.57	-10.00	74.0	-30.43	Peak	359.00	100	Vertical	Pass
3**	4253.000	35.77	-5.12	54.0	-18.23	AV	248.00	100	Vertical	Pass
3	4253.000	46.92	-5.12	74.0	-27.08	Peak	248.00	100	Vertical	Pass
4**	5235.000	96.80	-2.77	--	96.80	AV	342.00	100	Vertical	N/A
4	5235.000	105.01	-2.77	--	-236.99	Peak	342.00	100	Vertical	N/A
5**	7349.313	37.08	-3.48	54.0	-16.92	AV	317.00	100	Vertical	Pass
5	7349.313	47.69	-3.48	74.0	-26.31	Peak	317.00	100	Vertical	Pass
6**	11868.812	39.06	1.62	54.0	-14.94	AV	209.00	100	Vertical	Pass
6	11868.812	50.01	1.62	74.0	-23.99	Peak	209.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1595.000	26.48	-17.28	54.0	-27.52	AV	167.00	100	Horizontal	Pass
1	1595.000	39.86	-17.28	74.0	-34.14	Peak	167.00	100	Horizontal	Pass
2**	2808.000	32.01	-10.01	54.0	-21.99	AV	15.00	100	Horizontal	Pass
2	2808.000	42.36	-10.01	74.0	-31.64	Peak	15.00	100	Horizontal	Pass
3**	4268.000	36.42	-4.76	54.0	-17.58	AV	90.00	100	Horizontal	Pass
3	4268.000	47.35	-4.76	74.0	-26.65	Peak	90.00	100	Horizontal	Pass
4**	5238.000	94.89	-2.87	--	94.89	AV	323.00	100	Horizontal	N/A
4	5238.000	102.61	-2.87	--	-220.39	Peak	323.00	100	Horizontal	N/A
5**	8280.813	36.26	-1.54	54.0	-17.74	AV	21.00	100	Horizontal	Pass
5	8280.813	47.69	-1.54	74.0	-26.31	Peak	21.00	100	Horizontal	Pass
6**	11901.875	39.81	2.17	54.0	-14.19	AV	53.00	100	Horizontal	Pass
6	11901.875	51.02	2.17	74.0	-22.98	Peak	53.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.000	29.40	-17.38	54.0	-24.60	AV	91.00	100	Vertical	Pass
1	1599.000	48.39	-17.38	74.0	-25.61	Peak	91.00	100	Vertical	Pass
2**	2815.000	32.83	-10.01	54.0	-21.17	AV	284.00	100	Vertical	Pass
2	2815.000	43.02	-10.01	74.0	-30.98	Peak	284.00	100	Vertical	Pass
3**	4090.000	36.40	-6.02	54.0	-17.60	AV	265.00	100	Vertical	Pass
3	4090.000	48.31	-6.02	74.0	-25.69	Peak	265.00	100	Vertical	Pass
4**	5180.000	104.96	-2.67	--	104.96	AV	0.00	100	Vertical	N/A
4	5180.000	112.99	-2.67	--	112.99	Peak	0.00	100	Vertical	N/A
5**	7554.875	38.08	-1.66	54.0	-15.92	AV	338.00	100	Vertical	Pass
5	7554.875	48.62	-1.66	74.0	-25.38	Peak	338.00	100	Vertical	Pass
6**	12259.812	39.78	1.24	54.0	-14.22	AV	0.00	100	Vertical	Pass
6	12259.812	51.77	1.24	74.0	-22.23	Peak	0.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	27.12	-17.33	54.0	-26.88	AV	55.00	100	Horizontal	Pass
1	1597.000	42.36	-17.33	74.0	-31.64	Peak	55.00	100	Horizontal	Pass
2**	2845.000	32.72	-10.09	54.0	-21.28	AV	71.00	100	Horizontal	Pass
2	2845.000	43.06	-10.09	74.0	-30.94	Peak	71.00	100	Horizontal	Pass
3**	4277.000	37.50	-4.67	54.0	-16.50	AV	317.00	100	Horizontal	Pass
3	4277.000	48.86	-4.67	74.0	-25.14	Peak	317.00	100	Horizontal	Pass
4**	5179.000	97.93	-2.79	--	97.93	AV	317.00	100	Horizontal	N/A
4	5179.000	106.25	-2.79	--	-210.75	Peak	317.00	100	Horizontal	N/A
5**	7533.313	37.52	-2.28	54.0	-16.48	AV	306.00	100	Horizontal	Pass
5	7533.313	47.59	-2.28	74.0	-26.41	Peak	306.00	100	Horizontal	Pass
6**	12350.375	40.35	1.76	54.0	-13.65	AV	190.00	100	Horizontal	Pass
6	12350.375	51.74	1.76	74.0	-22.26	Peak	190.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1594.000	28.69	-17.32	54.0	-25.31	AV	158.00	100	Vertical	Pass
1	1594.000	41.56	-17.32	74.0	-32.44	Peak	158.00	100	Vertical	Pass
2**	2791.000	31.95	-10.48	54.0	-22.05	AV	166.00	100	Vertical	Pass
2	2791.000	42.79	-10.48	74.0	-31.21	Peak	166.00	100	Vertical	Pass
3**	4050.000	35.73	-5.11	54.0	-18.27	AV	17.00	100	Vertical	Pass
3	4050.000	46.32	-5.11	74.0	-27.68	Peak	17.00	100	Vertical	Pass
4**	5212.000	93.48	-3.05	--	93.48	AV	0.00	100	Vertical	N/A
4	5212.000	104.50	-3.05	--	104.50	Peak	0.00	100	Vertical	N/A
5**	7508.875	36.76	-2.79	54.0	-17.24	AV	298.00	100	Vertical	Pass
5	7508.875	47.66	-2.79	74.0	-26.34	Peak	298.00	100	Vertical	Pass
6**	12213.812	39.21	1.53	54.0	-14.79	AV	50.00	100	Vertical	Pass
6	12213.812	50.93	1.53	74.0	-23.07	Peak	50.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1396.500	26.49	-17.10	54.0	-27.51	AV	57.00	100	Horizontal	Pass
1	1396.500	37.77	-17.10	74.0	-36.23	Peak	57.00	100	Horizontal	Pass
2**	2808.500	31.55	-10.00	54.0	-22.45	AV	222.00	100	Horizontal	Pass
2	2808.500	42.34	-10.00	74.0	-31.66	Peak	222.00	100	Horizontal	Pass
3**	3993.000	35.17	-5.55	54.0	-18.83	AV	31.00	100	Horizontal	Pass
3	3993.000	46.53	-5.55	74.0	-27.47	Peak	31.00	100	Horizontal	Pass
4**	5218.000	95.37	-2.96	--	95.37	AV	327.00	100	Horizontal	N/A
4	5218.000	102.76	-2.96	--	-224.24	Peak	327.00	100	Horizontal	N/A
5**	7573.562	37.34	-2.44	54.0	-16.66	AV	277.00	100	Horizontal	Pass
5	7573.562	47.59	-2.44	74.0	-26.41	Peak	277.00	100	Horizontal	Pass
6**	10864.000	39.07	0.52	54.0	-14.93	AV	205.00	100	Horizontal	Pass
6	10864.000	50.17	0.52	74.0	-23.83	Peak	205.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1593.000	27.21	-17.26	54.0	-26.79	AV	75.00	100	Vertical	Pass
1	1593.000	48.12	-17.26	74.0	-25.88	Peak	75.00	100	Vertical	Pass
2**	2751.000	31.62	-10.49	54.0	-22.38	AV	202.00	100	Vertical	Pass
2	2751.000	42.81	-10.49	74.0	-31.19	Peak	202.00	100	Vertical	Pass
3**	4188.000	36.30	-4.89	54.0	-17.70	AV	68.00	100	Vertical	Pass
3	4188.000	47.08	-4.89	74.0	-26.92	Peak	68.00	100	Vertical	Pass
4**	5247.000	96.37	-3.02	--	96.37	AV	2.00	100	Vertical	N/A
4	5247.000	104.26	-3.02	--	102.26	Peak	2.00	100	Vertical	N/A
5**	7497.375	37.16	-2.79	54.0	-16.84	AV	31.00	100	Vertical	Pass
5	7497.375	47.95	-2.79	74.0	-26.05	Peak	31.00	100	Vertical	Pass
6**	11953.625	39.22	1.36	54.0	-14.78	AV	169.00	100	Vertical	Pass
6	11953.625	50.32	1.36	74.0	-23.68	Peak	169.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	26.95	-17.33	54.0	-27.05	AV	314.00	100	Horizontal	Pass
1	1597.000	45.69	-17.33	74.0	-28.31	Peak	314.00	100	Horizontal	Pass
2**	2823.000	32.02	-10.05	54.0	-21.98	AV	136.00	100	Horizontal	Pass
2	2823.000	42.29	-10.05	74.0	-31.71	Peak	136.00	100	Horizontal	Pass
3**	3821.000	34.71	-5.68	54.0	-19.29	AV	25.00	100	Horizontal	Pass
3	3821.000	46.33	-5.68	74.0	-27.67	Peak	25.00	100	Horizontal	Pass
4**	5237.000	94.97	-2.86	--	94.97	AV	345.00	100	Horizontal	N/A
4	5237.000	102.84	-2.86	--	-242.16	Peak	345.00	100	Horizontal	N/A
5**	7490.187	36.99	-3.24	54.0	-17.01	AV	12.00	100	Horizontal	Pass
5	7490.187	47.67	-3.24	74.0	-26.33	Peak	12.00	100	Horizontal	Pass
6**	11496.500	39.53	0.29	54.0	-14.47	AV	285.00	100	Horizontal	Pass
6	11496.500	50.57	0.29	74.0	-23.43	Peak	285.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.500	29.80	-17.38	54.0	-24.20	AV	295.00	100	Vertical	Pass
1	1597.500	47.33	-17.38	74.0	-26.67	Peak	295.00	100	Vertical	Pass
2**	2787.000	32.61	-10.06	54.0	-21.39	AV	32.00	100	Vertical	Pass
2	2787.000	42.91	-10.06	74.0	-31.09	Peak	32.00	100	Vertical	Pass
3**	3835.000	36.67	-5.10	54.0	-17.33	AV	101.00	100	Vertical	Pass
3	3835.000	47.47	-5.10	74.0	-26.53	Peak	101.00	100	Vertical	Pass
4**	5193.000	103.43	-2.90	--	103.43	AV	329.00	100	Vertical	N/A
4	5193.000	111.62	-2.90	--	-217.38	Peak	329.00	100	Vertical	N/A
5**	7500.250	37.14	-3.12	54.0	-16.86	AV	234.00	100	Vertical	Pass
5	7500.250	48.04	-3.12	74.0	-25.96	Peak	234.00	100	Vertical	Pass
6**	12183.625	40.99	1.01	54.0	-13.01	AV	360.00	100	Vertical	Pass
6	12183.625	50.96	1.01	74.0	-23.04	Peak	360.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.500	27.60	-17.34	54.0	-26.40	AV	176.00	100	Horizontal	Pass
1	1599.500	43.85	-17.34	74.0	-30.15	Peak	176.00	100	Horizontal	Pass
2**	2777.000	32.83	-10.07	54.0	-21.17	AV	34.00	100	Horizontal	Pass
2	2777.000	43.13	-10.07	74.0	-30.87	Peak	34.00	100	Horizontal	Pass
3**	4317.000	37.41	-4.68	54.0	-16.59	AV	328.00	100	Horizontal	Pass
3	4317.000	48.36	-4.68	74.0	-25.64	Peak	328.00	100	Horizontal	Pass
4**	5188.000	96.50	-2.81	--	96.50	AV	309.00	100	Horizontal	N/A
4	5188.000	104.38	-2.81	--	-204.62	Peak	309.00	100	Horizontal	N/A
5**	7445.625	37.41	-3.21	54.0	-16.59	AV	87.00	100	Horizontal	Pass
5	7445.625	47.49	-3.21	74.0	-26.51	Peak	87.00	100	Horizontal	Pass
6**	11624.438	39.67	0.22	54.0	-14.33	AV	342.00	100	Horizontal	Pass
6	11624.438	50.62	0.22	74.0	-23.38	Peak	342.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1596.000	30.20	-17.25	54.0	-23.80	AV	238.00	100	Vertical	Pass
1	1596.000	46.91	-17.25	74.0	-27.09	Peak	238.00	100	Vertical	Pass
2**	2840.000	31.93	-9.90	54.0	-22.07	AV	140.00	100	Vertical	Pass
2	2840.000	43.74	-9.90	74.0	-30.26	Peak	140.00	100	Vertical	Pass
3**	3825.000	35.63	-5.43	54.0	-18.37	AV	179.00	100	Vertical	Pass
3	3825.000	46.03	-5.43	74.0	-27.97	Peak	179.00	100	Vertical	Pass
4**	5233.000	96.30	-2.78	--	96.30	AV	30.00	100	Vertical	N/A
4	5233.000	104.25	-2.78	--	74.25	Peak	30.00	100	Vertical	N/A
5**	7524.687	37.17	-2.50	54.0	-16.83	AV	239.00	100	Vertical	Pass
5	7524.687	47.74	-2.50	74.0	-26.26	Peak	239.00	100	Vertical	Pass
6**	12028.375	40.08	1.10	54.0	-13.92	AV	332.00	100	Vertical	Pass
6	12028.375	50.35	1.10	74.0	-23.65	Peak	332.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	26.69	-17.33	54.0	-27.31	AV	148.00	100	Horizontal	Pass
1	1597.000	40.26	-17.33	74.0	-33.74	Peak	148.00	100	Horizontal	Pass
2**	2731.500	31.76	-10.70	54.0	-22.24	AV	212.00	100	Horizontal	Pass
2	2731.500	42.45	-10.70	74.0	-31.55	Peak	212.00	100	Horizontal	Pass
3**	4050.000	35.92	-5.11	54.0	-18.08	AV	269.00	100	Horizontal	Pass
3	4050.000	46.63	-5.11	74.0	-27.37	Peak	269.00	100	Horizontal	Pass
4**	5226.000	94.08	-3.10	--	94.08	AV	343.00	100	Horizontal	N/A
4	5226.000	101.79	-3.10	--	-241.21	Peak	343.00	100	Horizontal	N/A
5**	11950.750	39.78	1.49	54.0	-14.22	AV	266.00	100	Horizontal	Pass
5	11950.750	51.41	1.49	74.0	-22.59	Peak	266.00	100	Horizontal	Pass
6**	16060.125	43.60	1.90	54.0	-10.40	AV	363.00	100	Horizontal	Pass
6	16060.125	54.40	1.90	74.0	-19.60	Peak	363.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1596.000	28.15	-17.25	54.0	-25.85	AV	72.00	100	Vertical	Pass
1	1596.000	48.52	-17.25	74.0	-25.48	Peak	72.00	100	Vertical	Pass
2**	2789.000	29.35	-10.14	54.0	-24.65	AV	236.00	100	Vertical	Pass
2	2789.000	42.78	-10.14	74.0	-31.22	Peak	236.00	100	Vertical	Pass
3**	4646.000	34.47	-3.91	54.0	-19.53	AV	192.00	100	Vertical	Pass
3	4646.000	49.04	-3.91	74.0	-24.96	Peak	192.00	100	Vertical	Pass
4**	5743.000	107.44	-2.35	--	107.44	AV	33.00	100	Vertical	N/A
4	5743.000	114.79	-2.35	--	81.79	Peak	33.00	100	Vertical	N/A
5**	7533.313	36.62	-2.28	54.0	-17.38	AV	344.00	100	Vertical	Pass
5	7533.313	47.82	-2.28	74.0	-26.18	Peak	344.00	100	Vertical	Pass
6**	11845.812	38.71	1.52	54.0	-15.29	AV	311.00	100	Vertical	Pass
6	11845.812	50.85	1.52	74.0	-23.15	Peak	311.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.500	29.02	-17.38	54.0	-24.98	AV	163.00	100	Horizontal	Pass
1	1597.500	45.82	-17.38	74.0	-28.18	Peak	163.00	100	Horizontal	Pass
2**	2832.500	31.65	-10.00	54.0	-22.35	AV	320.00	100	Horizontal	Pass
2	2832.500	42.95	-10.00	74.0	-31.05	Peak	320.00	100	Horizontal	Pass
3**	3945.000	35.39	-5.29	54.0	-18.61	AV	104.00	100	Horizontal	Pass
3	3945.000	45.72	-5.29	74.0	-28.28	Peak	104.00	100	Horizontal	Pass
4**	5740.000	95.83	-2.16	--	95.83	AV	259.00	100	Horizontal	N/A
4	5740.000	103.63	-2.16	--	-155.37	Peak	259.00	100	Horizontal	N/A
5**	7330.625	36.96	-3.38	54.0	-17.04	AV	26.00	100	Horizontal	Pass
5	7330.625	47.73	-3.38	74.0	-26.27	Peak	26.00	100	Horizontal	Pass
6**	11600.000	39.25	0.38	54.0	-14.75	AV	179.00	100	Horizontal	Pass
6	11600.000	50.01	0.38	74.0	-23.99	Peak	179.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1593.500	29.87	-17.29	54.0	-24.13	AV	80.00	100	Vertical	Pass
1	1593.500	47.80	-17.29	74.0	-26.20	Peak	80.00	100	Vertical	Pass
2**	2826.000	30.62	-9.99	54.0	-23.38	AV	213.00	100	Vertical	Pass
2	2826.000	42.60	-9.99	74.0	-31.40	Peak	213.00	100	Vertical	Pass
3**	4142.000	31.60	-4.88	54.0	-22.40	AV	158.00	100	Vertical	Pass
3	4142.000	47.95	-4.88	74.0	-26.05	Peak	158.00	100	Vertical	Pass
4**	5780.000	105.49	-1.61	--	105.49	AV	12.00	100	Vertical	N/A
4	5780.000	113.67	-1.61	--	101.67	Peak	12.00	100	Vertical	N/A
5**	7570.687	36.96	-2.54	54.0	-17.04	AV	124.00	100	Vertical	Pass
5	7570.687	48.39	-2.54	74.0	-25.61	Peak	124.00	100	Vertical	Pass
6**	12154.875	39.36	0.93	54.0	-14.64	AV	349.00	100	Vertical	Pass
6	12154.875	51.01	0.93	74.0	-22.99	Peak	349.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	26.60	-17.33	54.0	-27.40	AV	187.00	100	Horizontal	Pass
1	1597.000	42.18	-17.33	74.0	-31.82	Peak	187.00	100	Horizontal	Pass
2**	2777.500	29.66	-9.95	54.0	-24.34	AV	119.00	100	Horizontal	Pass
2	2777.500	42.73	-9.95	74.0	-31.27	Peak	119.00	100	Horizontal	Pass
3**	4928.000	33.56	-2.73	54.0	-20.44	AV	101.00	100	Horizontal	Pass
3	4928.000	50.82	-2.73	74.0	-23.18	Peak	101.00	100	Horizontal	Pass
4**	5782.000	96.56	-1.96	--	96.56	AV	275.00	100	Horizontal	N/A
4	5782.000	105.08	-1.96	--	-169.92	Peak	275.00	100	Horizontal	N/A
5**	7549.125	37.25	-2.06	54.0	-16.75	AV	59.00	100	Horizontal	Pass
5	7549.125	48.18	-2.06	74.0	-25.82	Peak	59.00	100	Horizontal	Pass
6**	11595.688	38.57	0.29	54.0	-15.43	AV	278.00	100	Horizontal	Pass
6	11595.688	50.92	0.29	74.0	-23.08	Peak	278.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1596.000	32.44	-17.25	54.0	-21.56	AV	307.00	100	Vertical	Pass
1	1596.000	47.48	-17.25	74.0	-26.52	Peak	307.00	100	Vertical	Pass
2**	2233.500	29.30	-12.63	54.0	-24.70	AV	19.00	100	Vertical	Pass
2	2233.500	44.76	-12.63	74.0	-29.24	Peak	19.00	100	Vertical	Pass
3**	4216.000	32.79	-4.95	54.0	-21.21	AV	167.00	100	Vertical	Pass
3	4216.000	47.87	-4.95	74.0	-26.13	Peak	167.00	100	Vertical	Pass
4**	5828.000	106.70	-1.98	--	106.70	AV	10.00	100	Vertical	N/A
4	5828.000	114.38	-1.98	--	104.38	Peak	10.00	100	Vertical	N/A
5**	11250.688	38.83	-0.14	54.0	-15.17	AV	171.00	100	Vertical	Pass
5	11250.688	49.98	-0.14	74.0	-24.02	Peak	171.00	100	Vertical	Pass
6**	15869.813	43.20	1.31	54.0	-10.80	AV	150.00	100	Vertical	Pass
6	15869.813	53.59	1.31	74.0	-20.41	Peak	150.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.000	28.21	-17.38	54.0	-25.79	AV	301.00	100	Horizontal	Pass
1	1599.000	44.27	-17.38	74.0	-29.73	Peak	301.00	100	Horizontal	Pass
2**	2800.000	29.34	-10.11	54.0	-24.66	AV	148.00	100	Horizontal	Pass
2	2800.000	42.88	-10.11	74.0	-31.12	Peak	148.00	100	Horizontal	Pass
3**	4210.000	33.43	-5.05	54.0	-20.57	AV	216.00	100	Horizontal	Pass
3	4210.000	47.55	-5.05	74.0	-26.45	Peak	216.00	100	Horizontal	Pass
4**	5821.000	98.82	-2.22	--	98.82	AV	26.00	100	Horizontal	N/A
4	5821.000	106.55	-2.22	--	80.55	Peak	26.00	100	Horizontal	N/A
5**	12075.813	39.49	0.92	54.0	-14.51	AV	0.00	100	Horizontal	Pass
5	12075.813	51.20	0.92	74.0	-22.80	Peak	0.00	100	Horizontal	Pass
6**	15616.500	43.66	2.45	54.0	-10.34	AV	65.00	100	Horizontal	Pass
6	15616.500	54.14	2.45	74.0	-19.86	Peak	65.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1596.000	31.62	-17.25	54.0	-22.38	AV	77.00	100	Vertical	Pass
1	1596.000	47.45	-17.25	74.0	-26.55	Peak	77.00	100	Vertical	Pass
2**	2811.000	29.72	-9.99	54.0	-24.28	AV	188.00	100	Vertical	Pass
2	2811.000	43.24	-9.99	74.0	-30.76	Peak	188.00	100	Vertical	Pass
3**	4127.000	31.47	-5.41	54.0	-22.53	AV	101.00	100	Vertical	Pass
3	4127.000	47.24	-5.41	74.0	-26.76	Peak	101.00	100	Vertical	Pass
4**	5741.000	106.14	-2.24	--	106.14	AV	353.00	100	Vertical	N/A
4	5741.000	114.08	-2.24	--	-238.92	Peak	353.00	100	Vertical	N/A
5**	7556.313	37.65	-2.05	54.0	-16.35	AV	126.00	100	Vertical	Pass
5	7556.313	47.57	-2.05	74.0	-26.43	Peak	126.00	100	Vertical	Pass
6**	11980.937	39.53	1.12	54.0	-14.47	AV	110.00	100	Vertical	Pass
6	11980.937	50.54	1.12	74.0	-23.46	Peak	110.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1594.000	26.66	-17.32	54.0	-27.34	AV	319.00	100	Horizontal	Pass
1	1594.000	39.36	-17.32	74.0	-34.64	Peak	319.00	100	Horizontal	Pass
2**	2824.500	29.09	-10.29	54.0	-24.91	AV	72.00	100	Horizontal	Pass
2	2824.500	43.25	-10.29	74.0	-30.75	Peak	72.00	100	Horizontal	Pass
3**	3822.000	31.06	-5.62	54.0	-22.94	AV	5.00	100	Horizontal	Pass
3	3822.000	46.79	-5.62	74.0	-27.21	Peak	5.00	100	Horizontal	Pass
4**	5747.000	98.26	-2.35	--	98.26	AV	35.00	100	Horizontal	N/A
4	5747.000	105.32	-2.35	--	70.32	Peak	35.00	100	Horizontal	N/A
5**	11285.188	39.08	0.61	54.0	-14.92	AV	3.00	100	Horizontal	Pass
5	11285.188	50.37	0.61	74.0	-23.63	Peak	3.00	100	Horizontal	Pass
6**	15860.625	43.11	1.43	54.0	-10.89	AV	299.00	100	Horizontal	Pass
6	15860.625	53.91	1.43	74.0	-20.09	Peak	299.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.500	30.10	-17.42	54.0	-23.90	AV	344.00	100	Vertical	Pass
1	1598.500	49.52	-17.42	74.0	-24.48	Peak	344.00	100	Vertical	Pass
2**	2739.500	30.00	-10.77	54.0	-24.00	AV	257.00	100	Vertical	Pass
2	2739.500	42.48	-10.77	74.0	-31.52	Peak	257.00	100	Vertical	Pass
3**	4800.000	33.79	-2.62	54.0	-20.21	AV	0.00	100	Vertical	Pass
3	4800.000	49.08	-2.62	74.0	-24.92	Peak	0.00	100	Vertical	Pass
4**	5787.000	106.21	-2.03	--	106.21	AV	331.00	100	Vertical	N/A
4	5787.000	113.08	-2.03	--	-217.92	Peak	331.00	100	Vertical	N/A
5**	7557.750	37.37	-1.92	54.0	-16.63	AV	197.00	100	Vertical	Pass
5	7557.750	48.73	-1.92	74.0	-25.27	Peak	197.00	100	Vertical	Pass
6**	11945.000	39.84	1.65	54.0	-14.16	AV	262.00	100	Vertical	Pass
6	11945.000	51.07	1.65	74.0	-22.93	Peak	262.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.500	26.92	-17.38	54.0	-27.08	AV	170.00	100	Horizontal	Pass
1	1597.500	44.68	-17.38	74.0	-29.32	Peak	170.00	100	Horizontal	Pass
2**	2809.000	30.46	-9.98	54.0	-23.54	AV	45.00	100	Horizontal	Pass
2	2809.000	43.26	-9.98	74.0	-30.74	Peak	45.00	100	Horizontal	Pass
3**	4059.000	31.47	-5.03	54.0	-22.53	AV	346.00	100	Horizontal	Pass
3	4059.000	47.25	-5.03	74.0	-26.75	Peak	346.00	100	Horizontal	Pass
4**	5788.000	97.88	-2.02	--	97.88	AV	31.00	100	Horizontal	N/A
4	5788.000	106.50	-2.02	--	75.50	Peak	31.00	100	Horizontal	N/A
5**	11347.000	38.78	0.37	54.0	-15.22	AV	49.00	100	Horizontal	Pass
5	11347.000	51.06	0.37	74.0	-22.94	Peak	49.00	100	Horizontal	Pass
6**	15767.437	42.69	1.76	54.0	-11.31	AV	179.00	100	Horizontal	Pass
6	15767.437	53.87	1.76	74.0	-20.13	Peak	179.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1593.500	28.36	-17.29	54.0	-25.64	AV	72.00	100	Vertical	Pass
1	1593.500	46.61	-17.29	74.0	-27.39	Peak	72.00	100	Vertical	Pass
2**	2784.500	30.93	-10.02	54.0	-23.07	AV	332.00	100	Vertical	Pass
2	2784.500	42.69	-10.02	74.0	-31.31	Peak	332.00	100	Vertical	Pass
3**	4028.000	31.71	-5.14	54.0	-22.29	AV	189.00	100	Vertical	Pass
3	4028.000	47.06	-5.14	74.0	-26.94	Peak	189.00	100	Vertical	Pass
4**	5828.000	105.43	-1.98	--	105.43	AV	20.00	100	Vertical	N/A
4	5828.000	113.53	-1.98	--	93.53	Peak	20.00	100	Vertical	N/A
5**	7454.250	36.41	-3.47	54.0	-17.59	AV	99.00	100	Vertical	Pass
5	7454.250	47.48	-3.47	74.0	-26.52	Peak	99.00	100	Vertical	Pass
6**	11279.438	39.57	0.61	54.0	-14.43	AV	156.00	100	Vertical	Pass
6	11279.438	50.02	0.61	74.0	-23.98	Peak	156.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1593.500	25.47	-17.29	54.0	-28.53	AV	293.00	100	Horizontal	Pass
1	1593.500	44.68	-17.29	74.0	-29.32	Peak	293.00	100	Horizontal	Pass
2**	2855.500	31.45	-10.11	54.0	-22.55	AV	15.00	100	Horizontal	Pass
2	2855.500	43.60	-10.11	74.0	-30.40	Peak	15.00	100	Horizontal	Pass
3**	4927.000	33.95	-2.79	54.0	-20.05	AV	353.00	100	Horizontal	Pass
3	4927.000	49.73	-2.79	74.0	-24.27	Peak	353.00	100	Horizontal	Pass
4**	5829.000	98.62	-1.84	--	98.62	AV	33.00	100	Horizontal	N/A
4	5829.000	105.69	-1.84	--	72.69	Peak	33.00	100	Horizontal	N/A
5**	7418.313	36.16	-3.55	54.0	-17.84	AV	334.00	100	Horizontal	Pass
5	7418.313	47.91	-3.55	74.0	-26.09	Peak	334.00	100	Horizontal	Pass
6**	11450.500	39.59	0.30	54.0	-14.41	AV	184.00	100	Horizontal	Pass
6	11450.500	50.24	0.30	74.0	-23.76	Peak	184.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.000	32.22	-17.38	54.0	-21.78	AV	317.00	100	Vertical	Pass
1	1599.000	47.47	-17.38	74.0	-26.53	Peak	317.00	100	Vertical	Pass
2**	2788.000	30.24	-9.94	54.0	-23.76	AV	324.00	100	Vertical	Pass
2	2788.000	43.24	-9.94	74.0	-30.76	Peak	324.00	100	Vertical	Pass
3**	4192.000	32.26	-4.93	54.0	-21.74	AV	84.00	100	Vertical	Pass
3	4192.000	47.76	-4.93	74.0	-26.24	Peak	84.00	100	Vertical	Pass
4**	5764.000	103.75	-1.70	--	103.75	AV	2.00	100	Vertical	N/A
4	5764.000	112.01	-1.70	--	110.01	Peak	2.00	100	Vertical	N/A
5**	7516.063	36.67	-2.50	54.0	-17.33	AV	64.00	100	Vertical	Pass
5	7516.063	47.46	-2.50	74.0	-26.54	Peak	64.00	100	Vertical	Pass
6**	11947.875	39.94	1.57	54.0	-14.06	AV	176.00	100	Vertical	Pass
6	11947.875	50.56	1.57	74.0	-23.44	Peak	176.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	26.26	-17.33	54.0	-27.74	AV	325.00	100	Horizontal	Pass
1	1597.000	41.87	-17.33	74.0	-32.13	Peak	325.00	100	Horizontal	Pass
2**	2773.000	30.12	-10.40	54.0	-23.88	AV	221.00	100	Horizontal	Pass
2	2773.000	42.62	-10.40	74.0	-31.38	Peak	221.00	100	Horizontal	Pass
3**	4042.000	31.14	-4.98	54.0	-22.86	AV	35.00	100	Horizontal	Pass
3	4042.000	47.42	-4.98	74.0	-26.58	Peak	35.00	100	Horizontal	Pass
4**	5758.000	95.62	-1.97	--	95.62	AV	29.00	100	Horizontal	N/A
4	5758.000	104.56	-1.97	--	75.56	Peak	29.00	100	Horizontal	N/A
5**	8309.562	37.59	-0.77	54.0	-16.41	AV	0.00	100	Horizontal	Pass
5	8309.562	48.62	-0.77	74.0	-25.38	Peak	0.00	100	Horizontal	Pass
6**	12225.313	39.91	1.71	54.0	-14.09	AV	44.00	100	Horizontal	Pass
6	12225.313	51.25	1.71	74.0	-22.75	Peak	44.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1596.500	31.29	-17.28	54.0	-22.71	AV	349.00	100	Vertical	Pass
1	1596.500	47.38	-17.28	74.0	-26.62	Peak	349.00	100	Vertical	Pass
2**	2739.000	29.61	-10.76	54.0	-24.39	AV	265.00	100	Vertical	Pass
2	2739.000	42.71	-10.76	74.0	-31.29	Peak	265.00	100	Vertical	Pass
3**	3952.000	31.61	-4.71	54.0	-22.39	AV	196.00	100	Vertical	Pass
3	3952.000	46.62	-4.71	74.0	-27.38	Peak	196.00	100	Vertical	Pass
4**	5798.000	102.31	-2.15	--	102.31	AV	339.00	100	Vertical	N/A
4	5798.000	110.66	-2.15	--	-228.34	Peak	339.00	100	Vertical	N/A
5**	7554.875	37.43	-1.66	54.0	-16.57	AV	341.00	100	Vertical	Pass
5	7554.875	47.42	-1.66	74.0	-26.58	Peak	341.00	100	Vertical	Pass
6**	12146.250	39.81	0.84	54.0	-14.19	AV	245.00	100	Vertical	Pass
6	12146.250	50.72	0.84	74.0	-23.28	Peak	245.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1595.000	28.02	-17.28	54.0	-25.98	AV	166.00	100	Horizontal	Pass
1	1595.000	45.45	-17.28	74.0	-28.55	Peak	166.00	100	Horizontal	Pass
2**	2758.500	30.27	-10.42	54.0	-23.73	AV	41.00	100	Horizontal	Pass
2	2758.500	42.90	-10.42	74.0	-31.10	Peak	41.00	100	Horizontal	Pass
3**	4297.000	32.72	-4.86	54.0	-21.28	AV	117.00	100	Horizontal	Pass
3	4297.000	48.06	-4.86	74.0	-25.94	Peak	117.00	100	Horizontal	Pass
4**	5794.000	94.16	-2.26	--	94.16	AV	26.00	100	Horizontal	N/A
4	5794.000	102.89	-2.26	--	76.89	Peak	26.00	100	Horizontal	N/A
5**	7349.313	37.32	-3.48	54.0	-16.68	AV	32.00	100	Horizontal	Pass
5	7349.313	47.72	-3.48	74.0	-26.28	Peak	32.00	100	Horizontal	Pass
6**	15650.625	41.69	1.60	54.0	-12.31	AV	342.00	100	Horizontal	Pass
6	15650.625	53.45	1.60	74.0	-20.55	Peak	342.00	100	Horizontal	Pass

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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 (o)	Height (cm)	ANT	Verdict
1**	1599.000	30.42	-17.38	54.0	-23.58	AV	290.00	100	Vertical	Pass
1	1599.000	47.21	-17.38	74.0	-26.79	Peak	290.00	100	Vertical	Pass
2**	2784.000	30.95	-9.98	54.0	-23.05	AV	87.00	100	Vertical	Pass
2	2784.000	42.83	-9.98	74.0	-31.17	Peak	87.00	100	Vertical	Pass
3**	4041.000	31.50	-5.06	54.0	-22.50	AV	168.00	100	Vertical	Pass
3	4041.000	46.37	-5.06	74.0	-27.63	Peak	168.00	100	Vertical	Pass
4**	5182.000	105.83	-2.68	--	105.83	AV	0.00	100	Vertical	N/A
4	5182.000	113.79	-2.68	--	113.79	Peak	0.00	100	Vertical	N/A
5**	7441.312	36.85	-2.92	54.0	-17.15	AV	139.00	100	Vertical	Pass
5	7441.312	47.49	-2.92	74.0	-26.51	Peak	139.00	100	Vertical	Pass
6**	12130.437	39.38	0.75	54.0	-14.62	AV	111.00	100	Vertical	Pass
6	12130.437	50.54	0.75	74.0	-23.46	Peak	111.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1600.000	30.99	-17.30	54.0	-23.01	AV	291.00	100	Horizontal	Pass
1	1600.000	43.33	-17.30	74.0	-30.67	Peak	291.00	100	Horizontal	Pass
2**	2785.000	29.44	-10.06	54.0	-24.56	AV	111.00	100	Horizontal	Pass
2	2785.000	43.61	-10.06	74.0	-30.39	Peak	111.00	100	Horizontal	Pass
3**	4040.000	31.10	-5.15	54.0	-22.90	AV	144.00	100	Horizontal	Pass
3	4040.000	47.61	-5.15	74.0	-26.39	Peak	144.00	100	Horizontal	Pass
4**	5181.000	104.10	-2.58	--	104.10	AV	184.00	100	Horizontal	N/A
4	5181.000	111.61	-2.58	--	-72.39	Peak	184.00	100	Horizontal	N/A
5**	7447.063	36.77	-3.27	54.0	-17.23	AV	48.00	100	Horizontal	Pass
5	7447.063	48.37	-3.27	74.0	-25.63	Peak	48.00	100	Horizontal	Pass
6**	12320.187	39.44	1.72	54.0	-14.56	AV	94.00	100	Horizontal	Pass
6	12320.187	51.20	1.72	74.0	-22.80	Peak	94.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1600.000	28.40	-17.30	54.0	-25.60	AV	4.00	100	Vertical	Pass
1	1600.000	45.17	-17.30	74.0	-28.83	Peak	4.00	100	Vertical	Pass
2**	2854.000	32.12	-10.01	54.0	-21.88	AV	243.00	100	Vertical	Pass
2	2854.000	42.46	-10.01	74.0	-31.54	Peak	243.00	100	Vertical	Pass
3**	4081.000	35.68	-5.67	54.0	-18.32	AV	191.00	100	Vertical	Pass
3	4081.000	46.77	-5.67	74.0	-27.23	Peak	191.00	100	Vertical	Pass
4**	5228.000	96.66	-3.04	--	96.66	AV	356.00	100	Vertical	N/A
4	5228.000	105.09	-3.04	--	-250.91	Peak	356.00	100	Vertical	N/A
5**	7360.813	37.31	-3.52	54.0	-16.69	AV	41.00	100	Vertical	Pass
5	7360.813	47.79	-3.52	74.0	-26.21	Peak	41.00	100	Vertical	Pass
6**	11569.812	39.42	-0.04	54.0	-14.58	AV	78.00	100	Vertical	Pass
6	11569.812	50.23	-0.04	74.0	-23.77	Peak	78.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1540.500	25.90	-17.50	54.0	-28.10	AV	62.00	100	Horizontal	Pass
1	1540.500	36.66	-17.50	74.0	-37.34	Peak	62.00	100	Horizontal	Pass
2**	2788.000	32.55	-9.94	54.0	-21.45	AV	186.00	100	Horizontal	Pass
2	2788.000	42.31	-9.94	74.0	-31.69	Peak	186.00	100	Horizontal	Pass
3**	4210.000	36.18	-5.05	54.0	-17.82	AV	50.00	100	Horizontal	Pass
3	4210.000	47.40	-5.05	74.0	-26.60	Peak	50.00	100	Horizontal	Pass
4**	5213.000	96.47	-3.11	--	96.47	AV	194.00	100	Horizontal	N/A
4	5213.000	104.20	-3.11	--	-89.80	Peak	194.00	100	Horizontal	N/A
5**	7524.687	36.99	-2.50	54.0	-17.01	AV	210.00	100	Horizontal	Pass
5	7524.687	46.94	-2.50	74.0	-27.06	Peak	210.00	100	Horizontal	Pass
6**	11847.250	38.81	1.52	54.0	-15.19	AV	115.00	100	Horizontal	Pass
6	11847.250	50.19	1.52	74.0	-23.81	Peak	115.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1594.000	28.77	-17.32	54.0	-25.23	AV	69.00	100	Vertical	Pass
1	1594.000	47.21	-17.32	74.0	-26.79	Peak	69.00	100	Vertical	Pass
2**	2795.500	32.09	-10.24	54.0	-21.91	AV	151.00	100	Vertical	Pass
2	2795.500	42.66	-10.24	74.0	-31.34	Peak	151.00	100	Vertical	Pass
3**	4070.000	35.79	-5.57	54.0	-18.21	AV	148.00	100	Vertical	Pass
3	4070.000	46.88	-5.57	74.0	-27.12	Peak	148.00	100	Vertical	Pass
4**	5233.000	96.72	-2.78	--	96.72	AV	9.00	100	Vertical	N/A
4	5233.000	105.32	-2.78	--	96.32	Peak	9.00	100	Vertical	N/A
5**	7577.875	37.28	-2.36	54.0	-16.72	AV	338.00	100	Vertical	Pass
5	7577.875	47.65	-2.36	74.0	-26.35	Peak	338.00	100	Vertical	Pass
6**	12311.562	39.49	1.70	54.0	-14.51	AV	52.00	100	Vertical	Pass
6	12311.562	50.73	1.70	74.0	-23.27	Peak	52.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.000	27.43	-17.38	54.0	-26.57	AV	284.00	100	Horizontal	Pass
1	1599.000	40.17	-17.38	74.0	-33.83	Peak	284.00	100	Horizontal	Pass
2**	2755.000	31.90	-10.61	54.0	-22.10	AV	137.00	100	Horizontal	Pass
2	2755.000	42.58	-10.61	74.0	-31.42	Peak	137.00	100	Horizontal	Pass
3**	4052.000	35.82	-5.29	54.0	-18.18	AV	102.00	100	Horizontal	Pass
3	4052.000	46.58	-5.29	74.0	-27.42	Peak	102.00	100	Horizontal	Pass
4**	5247.000	96.73	-3.02	--	96.73	AV	173.00	100	Horizontal	N/A
4	5247.000	104.07	-3.02	--	-68.93	Peak	173.00	100	Horizontal	N/A
5**	7559.187	37.44	-1.83	54.0	-16.56	AV	86.00	100	Horizontal	Pass
5	7559.187	48.55	-1.83	74.0	-25.45	Peak	86.00	100	Horizontal	Pass
6**	12223.875	40.12	1.69	54.0	-13.88	AV	107.00	100	Horizontal	Pass
6	12223.875	51.64	1.69	74.0	-22.36	Peak	107.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.500	29.93	-17.34	54.0	-24.07	AV	143.00	100	Vertical	Pass
1	1599.500	47.24	-17.34	74.0	-26.76	Peak	143.00	100	Vertical	Pass
2**	2800.500	29.62	-10.18	54.0	-24.38	AV	181.00	100	Vertical	Pass
2	2800.500	42.88	-10.18	74.0	-31.12	Peak	181.00	100	Vertical	Pass
3**	4115.000	31.18	-5.46	54.0	-22.82	AV	318.00	100	Vertical	Pass
3	4115.000	46.95	-5.46	74.0	-27.05	Peak	318.00	100	Vertical	Pass
4**	5197.000	103.83	-2.76	--	103.83	AV	4.00	100	Vertical	N/A
4	5197.000	111.96	-2.76	--	107.96	Peak	4.00	100	Vertical	N/A
5**	7554.875	37.42	-1.66	54.0	-16.58	AV	285.00	100	Vertical	Pass
5	7554.875	47.78	-1.66	74.0	-26.22	Peak	285.00	100	Vertical	Pass
6**	12402.125	39.13	1.69	54.0	-14.87	AV	99.00	100	Vertical	Pass
6	12402.125	51.23	1.69	74.0	-22.77	Peak	99.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1594.000	25.65	-17.32	54.0	-28.35	AV	4.00	100	Horizontal	Pass
1	1594.000	40.31	-17.32	74.0	-33.69	Peak	4.00	100	Horizontal	Pass
2**	2768.000	30.29	-10.25	54.0	-23.71	AV	124.00	100	Horizontal	Pass
2	2768.000	42.80	-10.25	74.0	-31.20	Peak	124.00	100	Horizontal	Pass
3**	4034.000	31.57	-5.04	54.0	-22.43	AV	353.00	100	Horizontal	Pass
3	4034.000	47.21	-5.04	74.0	-26.79	Peak	353.00	100	Horizontal	Pass
4**	5197.000	103.04	-2.76	--	103.04	AV	173.00	100	Horizontal	N/A
4	5197.000	110.91	-2.76	--	-62.09	Peak	173.00	100	Horizontal	N/A
5**	7333.500	36.92	-3.38	54.0	-17.08	AV	246.00	100	Horizontal	Pass
5	7333.500	48.56	-3.38	74.0	-25.44	Peak	246.00	100	Horizontal	Pass
6**	11903.313	39.84	2.11	54.0	-14.16	AV	182.00	100	Horizontal	Pass
6	11903.313	50.50	2.11	74.0	-23.50	Peak	182.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1598.500	29.66	-17.42	54.0	-24.34	AV	271.00	100	Vertical	Pass
1	1598.500	48.78	-17.42	74.0	-25.22	Peak	271.00	100	Vertical	Pass
2**	2224.500	30.76	-12.54	54.0	-23.24	AV	20.00	100	Vertical	Pass
2	2224.500	44.52	-12.54	74.0	-29.48	Peak	20.00	100	Vertical	Pass
3**	4037.000	35.94	-5.13	54.0	-18.06	AV	197.00	100	Vertical	Pass
3	4037.000	46.53	-5.13	74.0	-27.47	Peak	197.00	100	Vertical	Pass
4**	5233.000	96.44	-2.78	--	96.44	AV	136.00	100	Vertical	N/A
4	5233.000	104.57	-2.78	--	-31.43	Peak	136.00	100	Vertical	N/A
5**	7622.437	37.22	-2.91	54.0	-16.78	AV	287.00	100	Vertical	Pass
5	7622.437	48.31	-2.91	74.0	-25.69	Peak	287.00	100	Vertical	Pass
6**	11939.250	39.92	1.79	54.0	-14.08	AV	274.00	100	Vertical	Pass
6	11939.250	50.89	1.79	74.0	-23.11	Peak	274.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1595.000	26.96	-17.28	54.0	-27.04	AV	1.00	100	Horizontal	Pass
1	1595.000	40.94	-17.28	74.0	-33.06	Peak	1.00	100	Horizontal	Pass
2**	2790.500	31.85	-10.50	54.0	-22.15	AV	85.00	100	Horizontal	Pass
2	2790.500	42.42	-10.50	74.0	-31.58	Peak	85.00	100	Horizontal	Pass
3**	3930.000	35.38	-5.57	54.0	-18.62	AV	360.00	100	Horizontal	Pass
3	3930.000	46.48	-5.57	74.0	-27.52	Peak	360.00	100	Horizontal	Pass
4**	5234.000	96.41	-2.70	--	96.41	AV	194.00	100	Horizontal	N/A
4	5234.000	104.15	-2.70	--	-89.85	Peak	194.00	100	Horizontal	N/A
5**	7521.812	37.64	-2.45	54.0	-16.36	AV	146.00	100	Horizontal	Pass
5	7521.812	47.67	-2.45	74.0	-26.33	Peak	146.00	100	Horizontal	Pass
6**	12221.000	40.68	1.66	54.0	-13.32	AV	210.00	100	Horizontal	Pass
6	12221.000	50.97	1.66	74.0	-23.03	Peak	210.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.500	31.51	-17.38	54.0	-22.49	AV	70.00	100	Vertical	Pass
1	1597.500	47.30	-17.38	74.0	-26.70	Peak	70.00	100	Vertical	Pass
2**	2794.500	30.01	-10.25	54.0	-23.99	AV	279.00	100	Vertical	Pass
2	2794.500	43.01	-10.25	74.0	-30.99	Peak	279.00	100	Vertical	Pass
3**	4152.000	31.84	-5.26	54.0	-22.16	AV	29.00	100	Vertical	Pass
3	4152.000	47.36	-5.26	74.0	-26.64	Peak	29.00	100	Vertical	Pass
4**	5741.000	106.42	-2.24	--	106.42	AV	361.00	100	Vertical	N/A
4	5741.000	114.37	-2.24	--	-246.63	Peak	361.00	100	Vertical	N/A
5**	7504.563	36.78	-2.85	54.0	-17.22	AV	351.00	100	Vertical	Pass
5	7504.563	47.59	-2.85	74.0	-26.41	Peak	351.00	100	Vertical	Pass
6**	12261.250	39.23	1.31	54.0	-14.77	AV	70.00	100	Vertical	Pass
6	12261.250	51.10	1.31	74.0	-22.90	Peak	70.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1594.000	26.52	-17.32	54.0	-27.48	AV	168.00	100	Horizontal	Pass
1	1594.000	43.05	-17.32	74.0	-30.95	Peak	168.00	100	Horizontal	Pass
2**	2787.000	29.95	-10.06	54.0	-24.05	AV	-1.00	100	Horizontal	Pass
2	2787.000	42.72	-10.06	74.0	-31.28	Peak	-1.00	100	Horizontal	Pass
3**	4152.000	31.17	-5.26	54.0	-22.83	AV	36.00	100	Horizontal	Pass
3	4152.000	47.26	-5.26	74.0	-26.74	Peak	36.00	100	Horizontal	Pass
4**	5744.000	104.08	-2.39	--	104.08	AV	177.00	100	Horizontal	N/A
4	5744.000	111.79	-2.39	--	-65.21	Peak	177.00	100	Horizontal	N/A
5**	7575.000	37.15	-2.54	54.0	-16.85	AV	14.00	100	Horizontal	Pass
5	7575.000	47.65	-2.54	74.0	-26.35	Peak	14.00	100	Horizontal	Pass
6**	11896.125	39.31	2.20	54.0	-14.69	AV	337.00	100	Horizontal	Pass
6	11896.125	51.50	2.20	74.0	-22.50	Peak	337.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	29.20	-17.33	54.0	-24.80	AV	347.00	100	Vertical	Pass
1	1597.000	46.77	-17.33	74.0	-27.23	Peak	347.00	100	Vertical	Pass
2**	2784.500	30.31	-10.02	54.0	-23.69	AV	42.00	100	Vertical	Pass
2	2784.500	42.37	-10.02	74.0	-31.63	Peak	42.00	100	Vertical	Pass
3**	4134.000	31.36	-5.09	54.0	-22.64	AV	310.00	100	Vertical	Pass
3	4134.000	47.62	-5.09	74.0	-26.38	Peak	310.00	100	Vertical	Pass
4**	5789.000	105.86	-2.10	--	105.86	AV	8.00	100	Vertical	N/A
4	5789.000	113.83	-2.10	--	105.83	Peak	8.00	100	Vertical	N/A
5**	7497.375	36.91	-2.79	54.0	-17.09	AV	294.00	100	Vertical	Pass
5	7497.375	47.89	-2.79	74.0	-26.11	Peak	294.00	100	Vertical	Pass
6**	11428.938	39.01	0.25	54.0	-14.99	AV	31.00	100	Vertical	Pass
6	11428.938	50.73	0.25	74.0	-23.27	Peak	31.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	29.39	-17.33	54.0	-24.61	AV	287.00	100	Horizontal	Pass
1	1597.000	43.73	-17.33	74.0	-30.27	Peak	287.00	100	Horizontal	Pass
2**	2783.500	29.09	-9.98	54.0	-24.91	AV	281.00	100	Horizontal	Pass
2	2783.500	42.68	-9.98	74.0	-31.32	Peak	281.00	100	Horizontal	Pass
3**	3968.000	30.50	-5.18	54.0	-23.50	AV	129.00	100	Horizontal	Pass
3	3968.000	46.62	-5.18	74.0	-27.38	Peak	129.00	100	Horizontal	Pass
4**	5788.000	104.26	-2.02	--	104.26	AV	172.00	100	Horizontal	N/A
4	5788.000	111.63	-2.02	--	-60.37	Peak	172.00	100	Horizontal	N/A
5**	7369.438	37.12	-3.50	54.0	-16.88	AV	178.00	100	Horizontal	Pass
5	7369.438	48.60	-3.50	74.0	-25.40	Peak	178.00	100	Horizontal	Pass
6**	11939.250	39.90	1.79	54.0	-14.10	AV	29.00	100	Horizontal	Pass
6	11939.250	50.39	1.79	74.0	-23.61	Peak	29.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1599.500	30.08	-17.34	54.0	-23.92	AV	275.00	100	Vertical	Pass
1	1599.500	47.58	-17.34	74.0	-26.42	Peak	275.00	100	Vertical	Pass
2**	2814.000	29.75	-9.99	54.0	-24.25	AV	221.00	100	Vertical	Pass
2	2814.000	42.54	-9.99	74.0	-31.46	Peak	221.00	100	Vertical	Pass
3**	4060.000	31.82	-5.06	54.0	-22.18	AV	226.00	100	Vertical	Pass
3	4060.000	47.31	-5.06	74.0	-26.69	Peak	226.00	100	Vertical	Pass
4**	5820.000	104.52	-2.29	--	104.52	AV	349.00	100	Vertical	N/A
4	5820.000	113.39	-2.29	--	-235.61	Peak	349.00	100	Vertical	Pass
5**	8139.937	37.20	-2.06	54.0	-16.80	AV	360.00	100	Vertical	Pass
5	8139.937	48.08	-2.06	74.0	-25.92	Peak	360.00	100	Vertical	Pass
6**	10983.312	39.03	-0.05	54.0	-14.97	AV	360.00	100	Vertical	Pass
6	10983.312	50.81	-0.05	74.0	-23.19	Peak	360.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.000	26.36	-17.33	54.0	-27.64	AV	60.00	100	Horizontal	Pass
1	1597.000	40.34	-17.33	74.0	-33.66	Peak	60.00	100	Horizontal	Pass
2**	2785.000	30.29	-10.06	54.0	-23.71	AV	112.00	100	Horizontal	Pass
2	2785.000	42.70	-10.06	74.0	-31.30	Peak	112.00	100	Horizontal	Pass
3**	3985.000	31.68	-5.63	54.0	-22.32	AV	150.00	100	Horizontal	Pass
3	3985.000	46.88	-5.63	74.0	-27.12	Peak	150.00	100	Horizontal	Pass
4**	5826.000	103.63	-2.22	--	103.63	AV	169.00	100	Horizontal	N/A
4	5826.000	112.67	-2.22	--	-56.33	Peak	169.00	100	Horizontal	N/A
5**	7553.438	37.50	-1.79	54.0	-16.50	AV	303.00	100	Horizontal	Pass
5	7553.438	48.83	-1.79	74.0	-25.17	Peak	303.00	100	Horizontal	Pass
6**	11299.562	39.13	0.62	54.0	-14.87	AV	-1.00	100	Horizontal	Pass
6	11299.562	50.33	0.62	74.0	-23.67	Peak	-1.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1597.500	27.61	-17.38	54.0	-26.39	AV	59.00	100	Vertical	Pass
1	1597.500	47.79	-17.38	74.0	-26.21	Peak	59.00	100	Vertical	Pass
2**	2812.500	29.50	-9.99	54.0	-24.50	AV	172.00	100	Vertical	Pass
2	2812.500	42.38	-9.99	74.0	-31.62	Peak	172.00	100	Vertical	Pass
3**	4134.000	31.86	-5.09	54.0	-22.14	AV	306.00	100	Vertical	Pass
3	4134.000	47.36	-5.09	74.0	-26.64	Peak	306.00	100	Vertical	Pass
4**	5748.000	104.11	-2.46	--	104.11	AV	360.00	100	Vertical	N/A
4	5748.000	111.95	-2.46	--	-248.05	Peak	360.00	100	Vertical	N/A
5**	7554.875	38.13	-1.66	54.0	-15.87	AV	188.00	100	Vertical	Pass
5	7554.875	47.88	-1.66	74.0	-26.12	Peak	188.00	100	Vertical	Pass
6**	12235.375	40.09	1.51	54.0	-13.91	AV	305.00	100	Vertical	Pass
6	12235.375	51.20	1.51	74.0	-22.80	Peak	305.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1596.000	26.90	-17.25	54.0	-27.10	AV	154.00	100	Horizontal	Pass
1	1596.000	45.26	-17.25	74.0	-28.74	Peak	154.00	100	Horizontal	Pass
2**	2835.000	29.61	-9.93	54.0	-24.39	AV	-1.00	100	Horizontal	Pass
2	2835.000	42.85	-9.93	74.0	-31.15	Peak	-1.00	100	Horizontal	Pass
3**	3955.000	31.70	-4.72	54.0	-22.30	AV	361.00	100	Horizontal	Pass
3	3955.000	46.73	-4.72	74.0	-27.27	Peak	361.00	100	Horizontal	Pass
4**	5746.000	101.53	-2.25	--	101.53	AV	171.00	100	Horizontal	N/A
4	5746.000	110.43	-2.25	--	-60.57	Peak	171.00	100	Horizontal	N/A
5**	7609.500	37.38	-2.53	54.0	-16.62	AV	187.00	100	Horizontal	Pass
5	7609.500	47.85	-2.53	74.0	-26.15	Peak	187.00	100	Horizontal	Pass
6**	12005.375	39.45	1.49	54.0	-14.55	AV	4.00	100	Horizontal	Pass
6	12005.375	51.17	1.49	74.0	-22.83	Peak	4.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1593.000	27.54	-17.26	54.0	-26.46	AV	138.00	100	Vertical	Pass
1	1593.000	47.79	-17.26	74.0	-26.21	Peak	138.00	100	Vertical	Pass
2**	2793.500	29.64	-10.33	54.0	-24.36	AV	324.00	100	Vertical	Pass
2	2793.500	43.29	-10.33	74.0	-30.71	Peak	324.00	100	Vertical	Pass
3**	4219.000	32.19	-5.02	54.0	-21.81	AV	154.00	100	Vertical	Pass
3	4219.000	47.95	-5.02	74.0	-26.05	Peak	154.00	100	Vertical	Pass
4**	5791.000	102.52	-2.41	--	102.52	AV	0.00	100	Vertical	N/A
4	5791.000	111.26	-2.41	--	111.26	Peak	0.00	100	Vertical	N/A
5**	7424.062	36.71	-3.16	54.0	-17.29	AV	300.00	100	Vertical	Pass
5	7424.062	47.66	-3.16	74.0	-26.34	Peak	300.00	100	Vertical	Pass
6**	12157.750	40.25	0.97	54.0	-13.75	AV	42.00	100	Vertical	Pass
6	12157.750	51.14	0.97	74.0	-22.86	Peak	42.00	100	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 (o)	Height (cm)	ANT	Verdict
1**	1595.000	25.80	-17.28	54.0	-28.20	AV	54.00	100	Horizontal	Pass
1	1595.000	42.15	-17.28	74.0	-31.85	Peak	54.00	100	Horizontal	Pass
2**	2768.000	30.10	-10.25	54.0	-23.90	AV	34.00	100	Horizontal	Pass
2	2768.000	43.14	-10.25	74.0	-30.86	Peak	34.00	100	Horizontal	Pass
3**	4224.000	31.96	-5.30	54.0	-22.04	AV	337.00	100	Horizontal	Pass
3	4224.000	47.38	-5.30	74.0	-26.62	Peak	337.00	100	Horizontal	Pass
4**	5793.000	100.89	-2.29	--	100.89	AV	176.00	100	Horizontal	N/A
4	5793.000	108.97	-2.29	--	-67.03	Peak	176.00	100	Horizontal	N/A
5**	7563.500	37.16	-2.13	54.0	-16.84	AV	327.00	100	Horizontal	Pass
5	7563.500	48.13	-2.13	74.0	-25.87	Peak	327.00	100	Horizontal	Pass
6**	11865.938	40.08	1.59	54.0	-13.92	AV	-1.00	100	Horizontal	Pass
6	11865.938	50.88	1.59	74.0	-23.12	Peak	-1.00	100	Horizontal	Pass

A.6.2 Band Edge (Restricted-band)

ANT0

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
Band IV	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass

ANT1

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
Band IV	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass

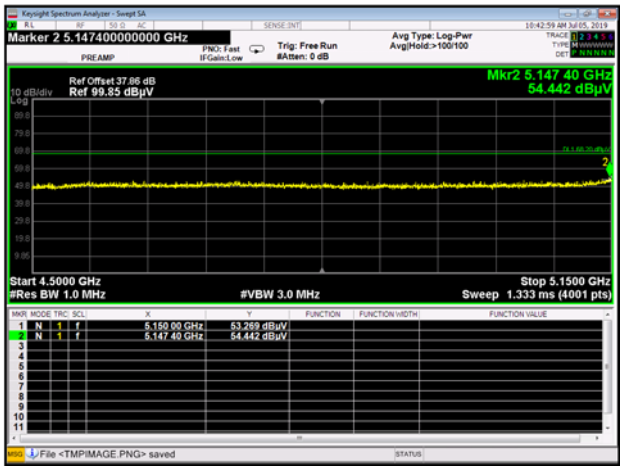
MIMO

Test Band	Mode	Channel	Verdict
Band I	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
Band IV	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass

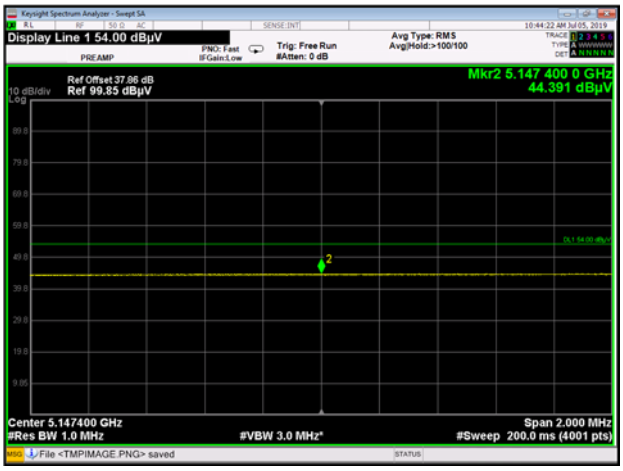
Test Plots

ANT0

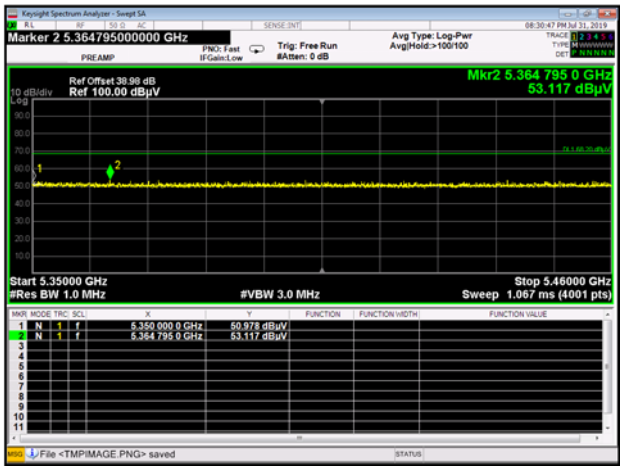
Band I 11a CH36 Peak



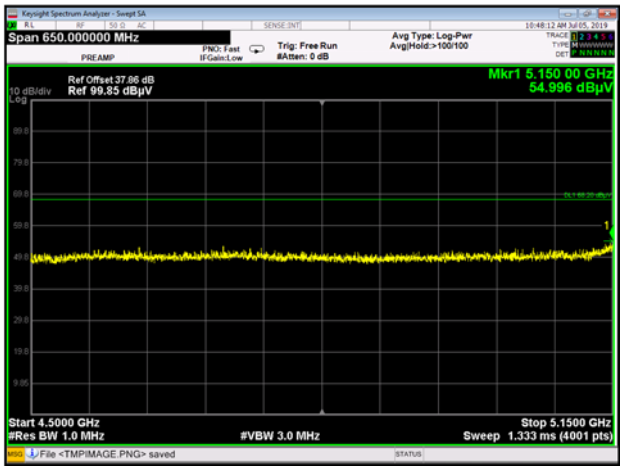
Band I 11a CH36 AV



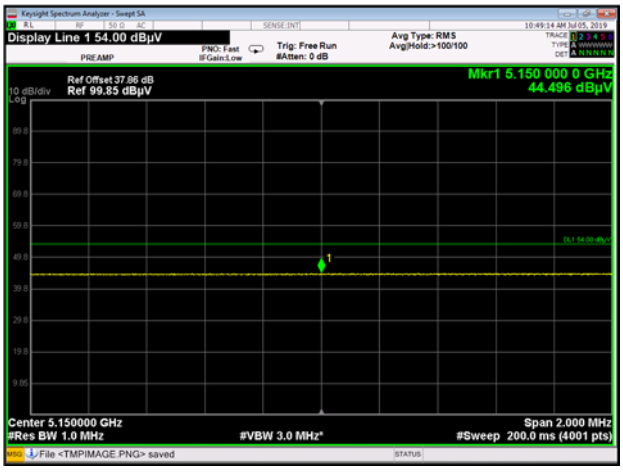
Band I 11a CH48 Peak



Band I 11n20 CH36 Peak



Band I 11n20 CH36 AV



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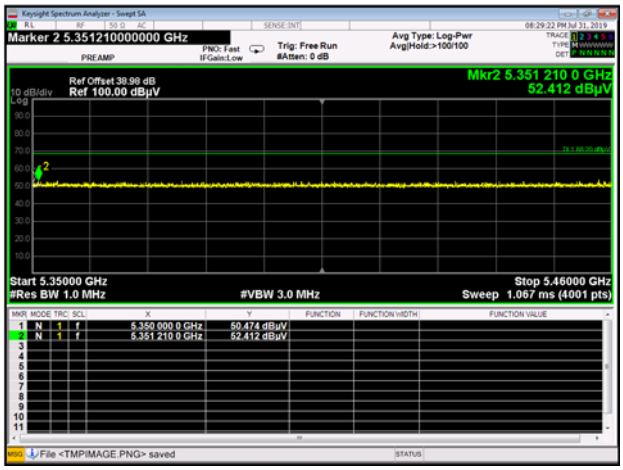
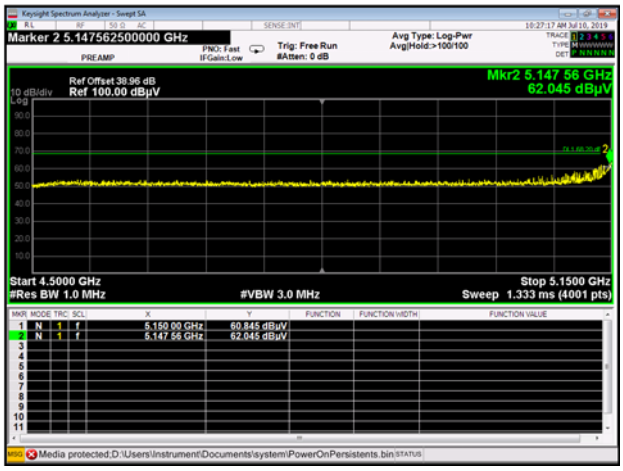
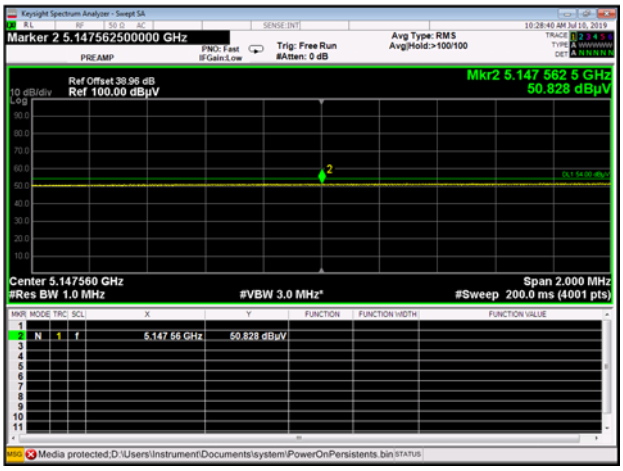


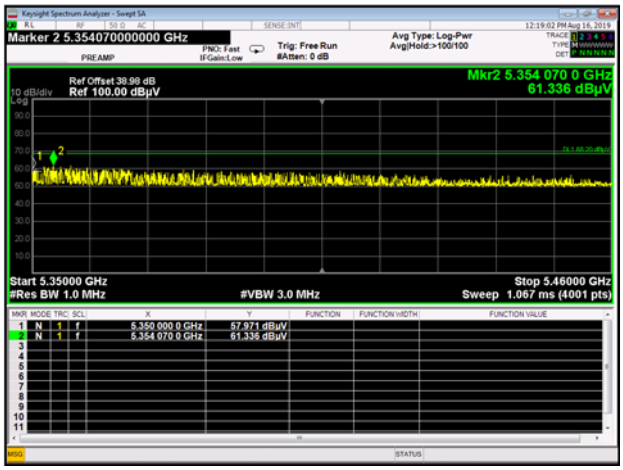
Band I 11n40 CH38 Peak



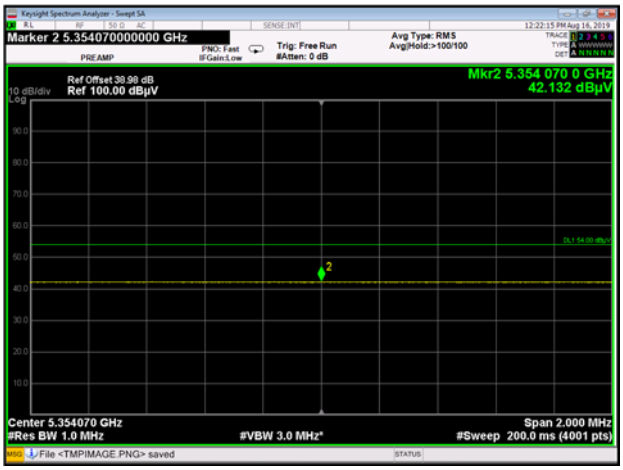
Band I 11n40 CH38 AV



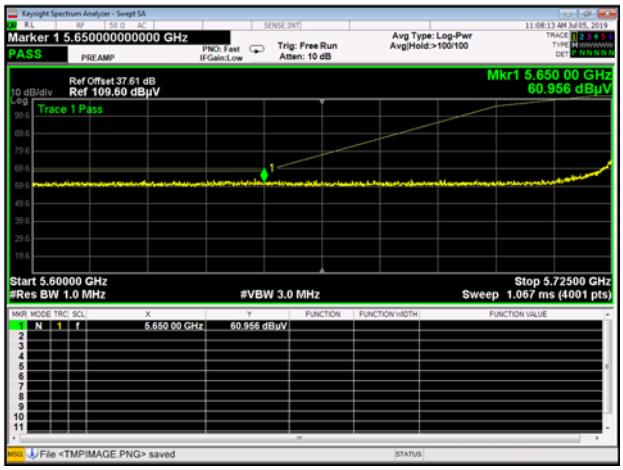
Band I 11n40 CH46 Peak



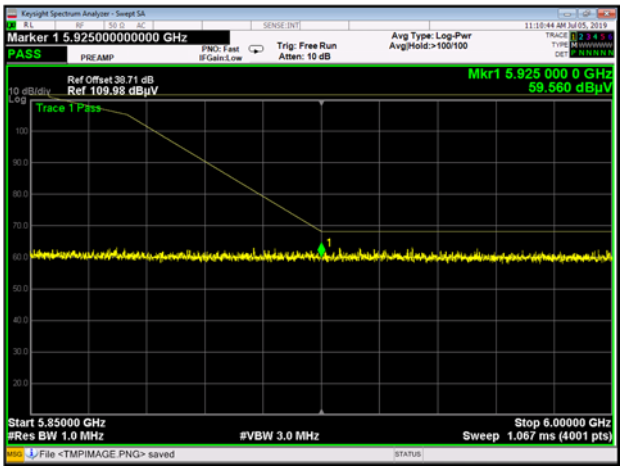
Band I 11n40 CH46 AV



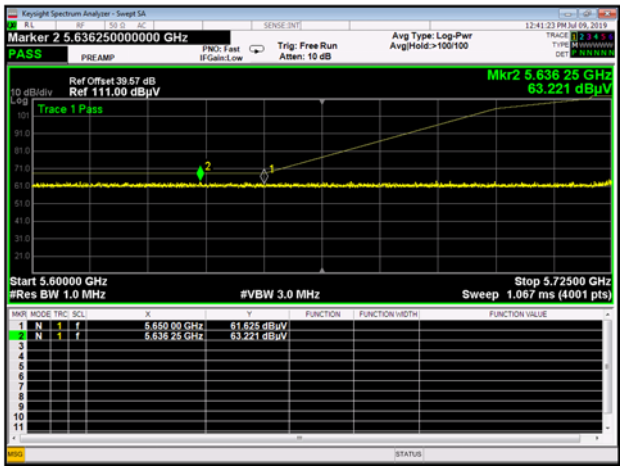
Band IV 11a CH149 Peak



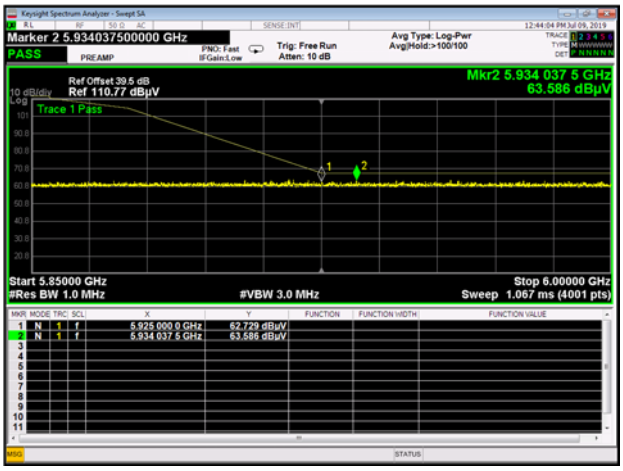
Band IV 11a CH165 Peak



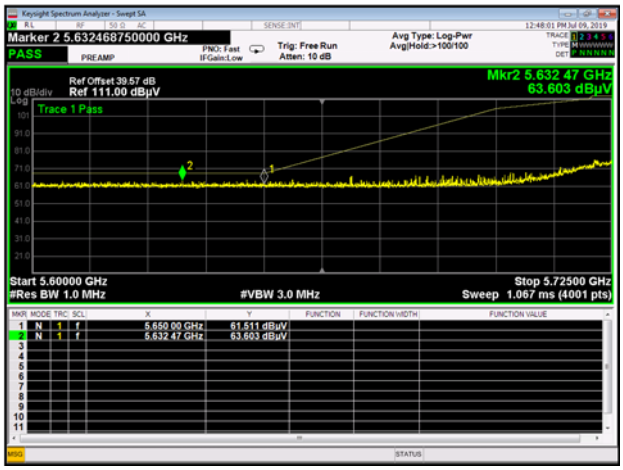
Band IV 11n20 CH149 Peak



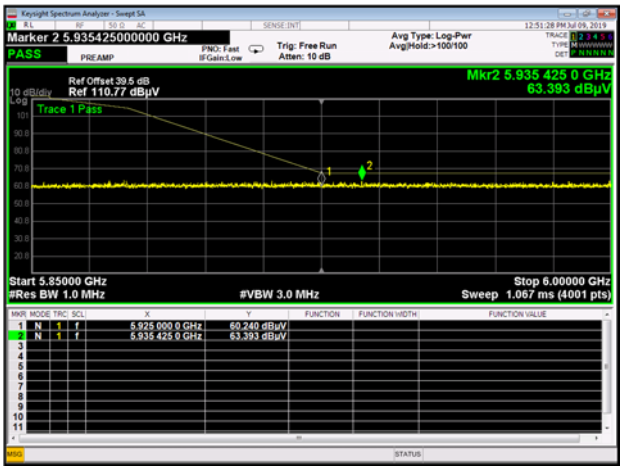
Band IV 11n20 CH165 Peak



Band IV 11n40 CH151 Peak

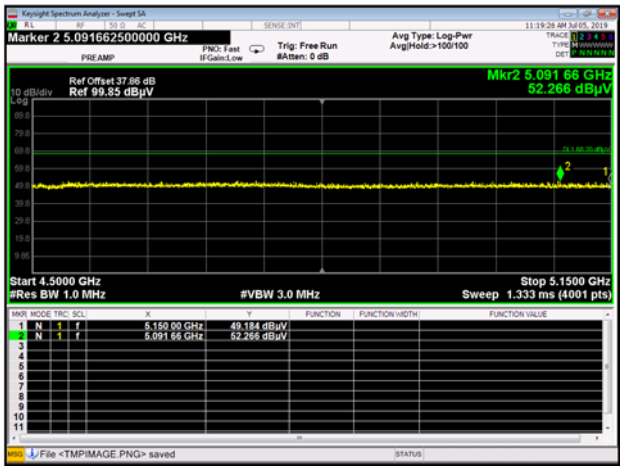


Band IV 11n40 CH159 Peak

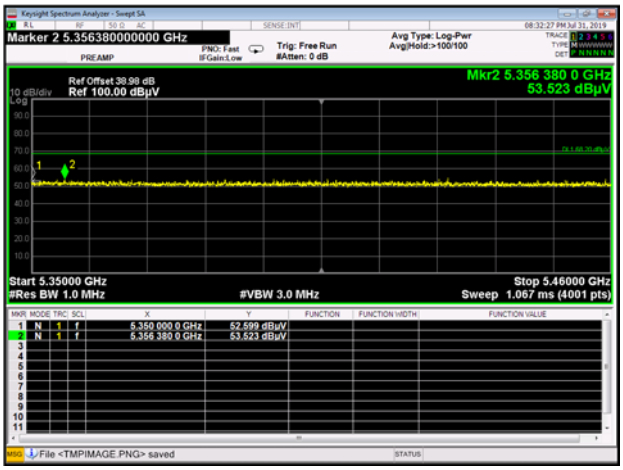


ANT1

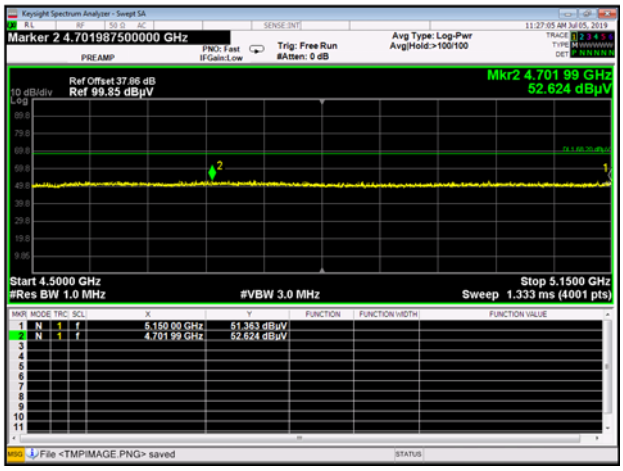
Band I 11a CH36 Peak



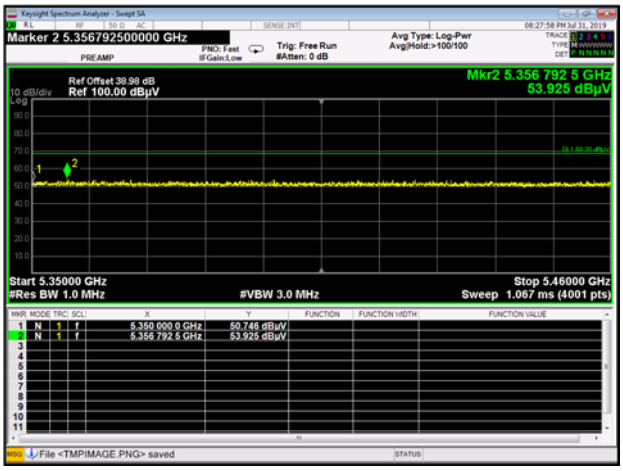
Band I 11a CH48 Peak



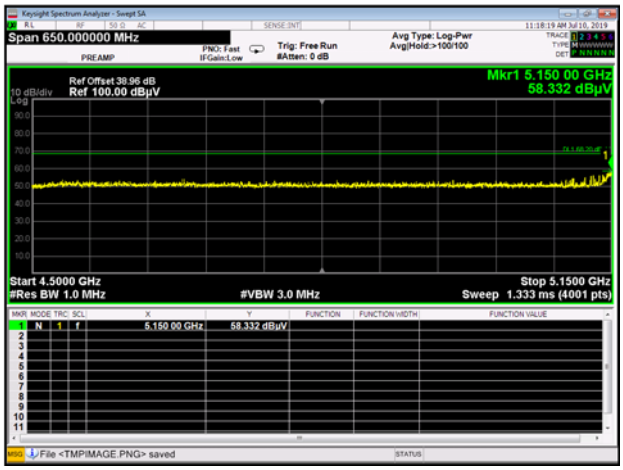
Band I 11n20 CH36 Peak



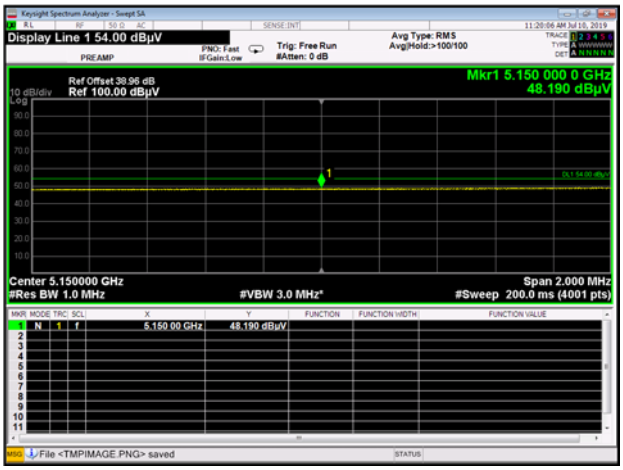
Band I 11n20 CH48 Peak



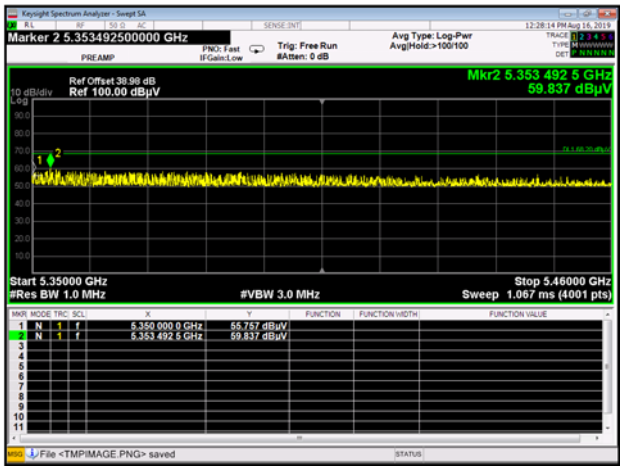
Band I 11n40 CH38 Peak



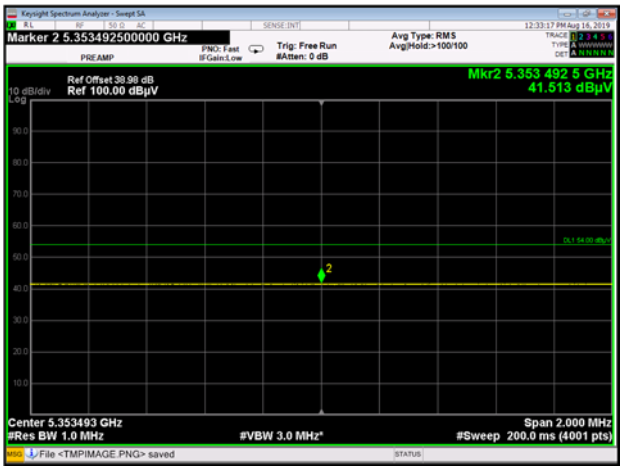
Band I 11n40 CH38 AV



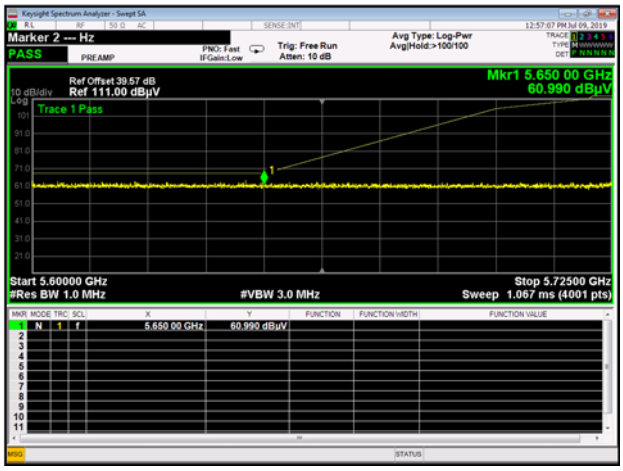
Band I 11n40 CH46 Peak



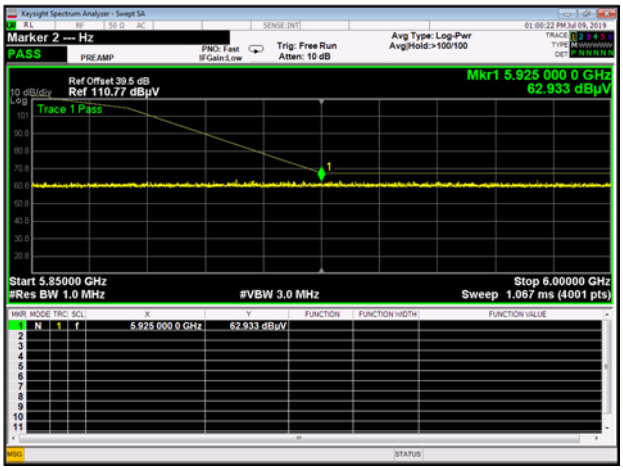
Band I 11n40 CH46 AV



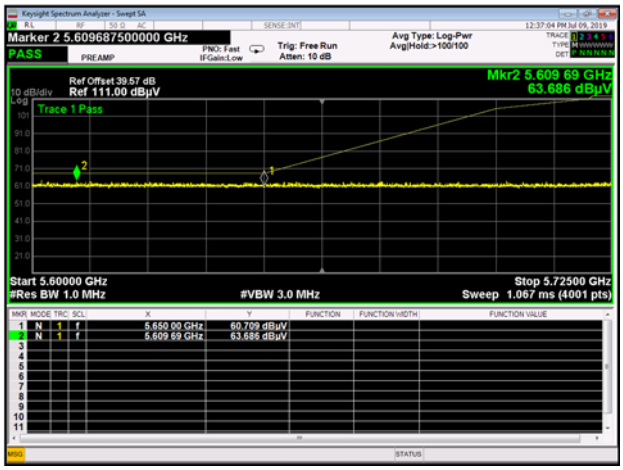
Band IV 11a CH149 Peak



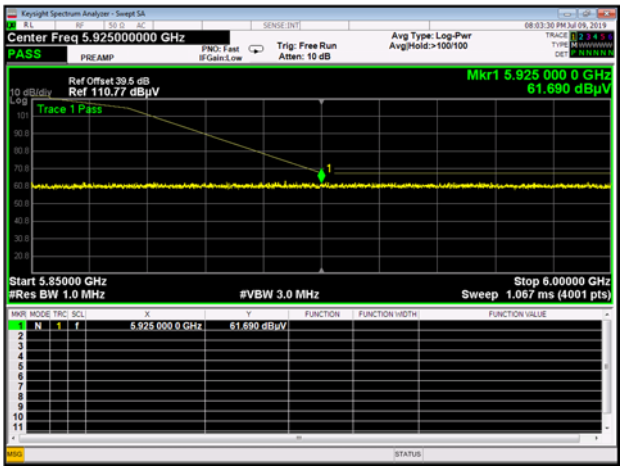
Band IV 11a CH165 Peak



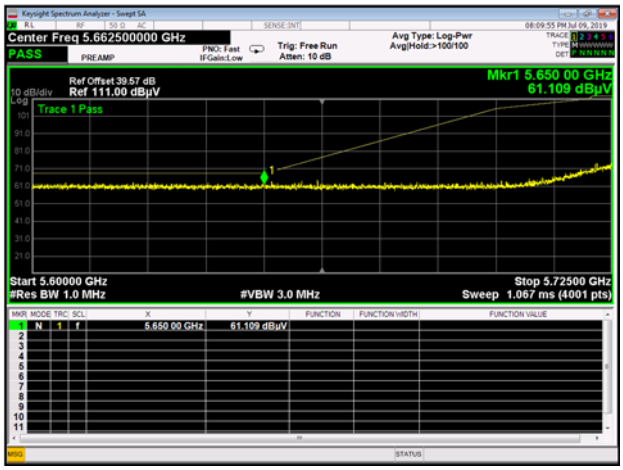
Band IV 11n20 CH149 Peak



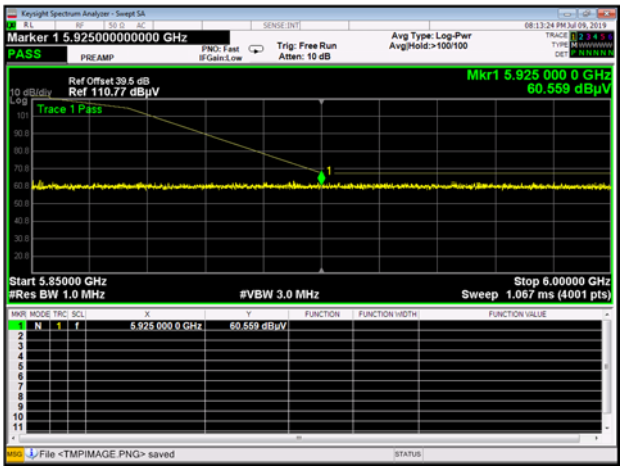
Band IV 11n20 CH165 Peak



Band IV 11n40 CH151 Peak

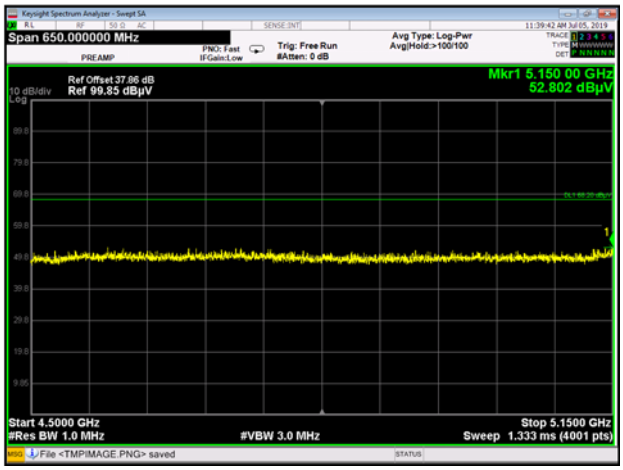


Band IV 11n40 CH159 Peak

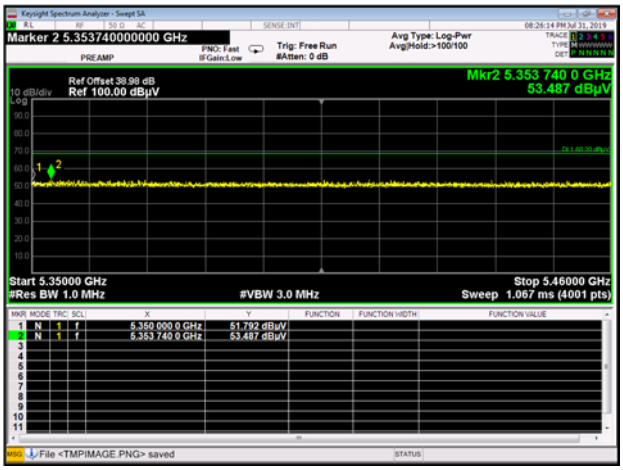


MIMO

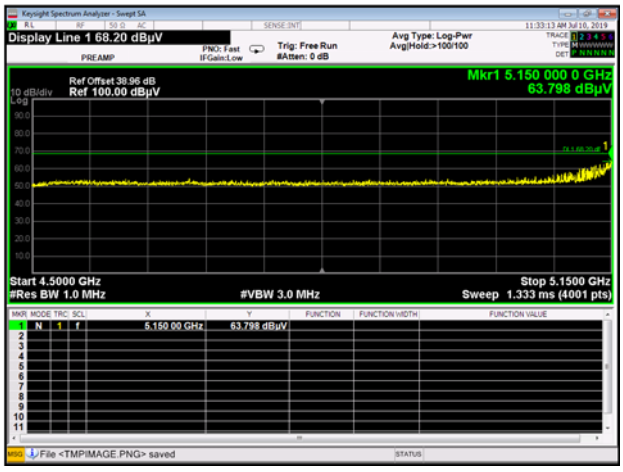
Band I 11n20 CH36 Peak



Band I 11n20 CH48 Peak

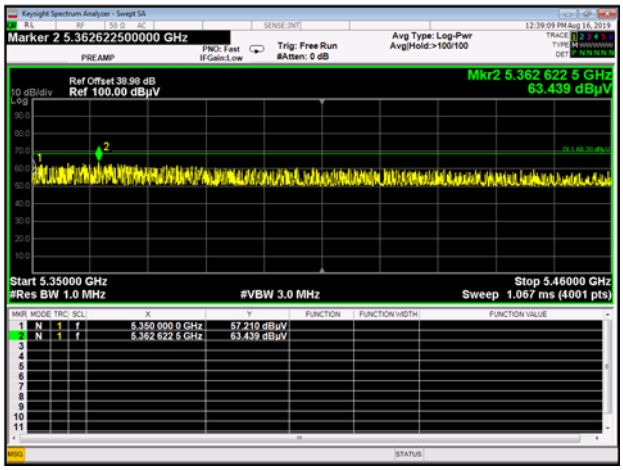


Band I 11n40 CH38 Peak

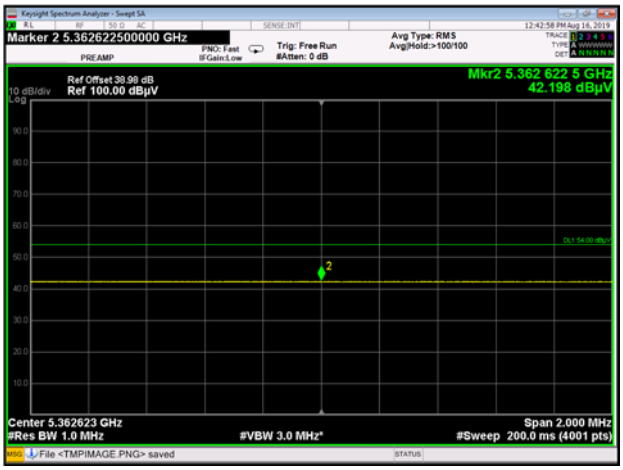


Band I 11n40 CH38 AV

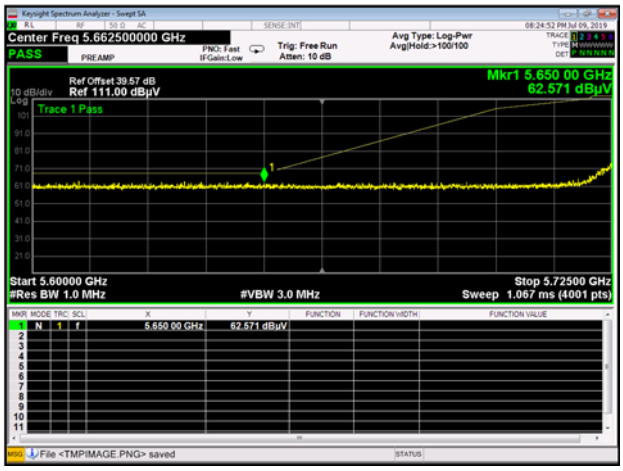
Band I 11n40 CH46 Peak



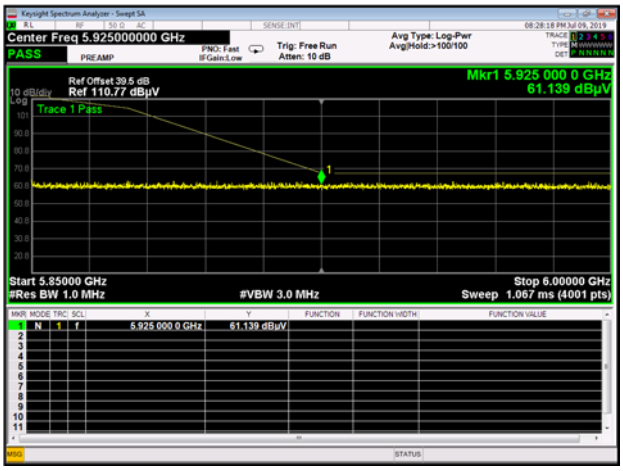
Band I 11n40 CH46 AV



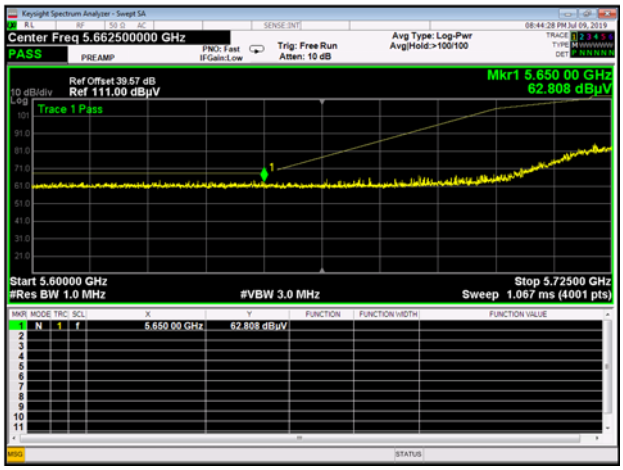
Band IV 11n20 CH149 Peak



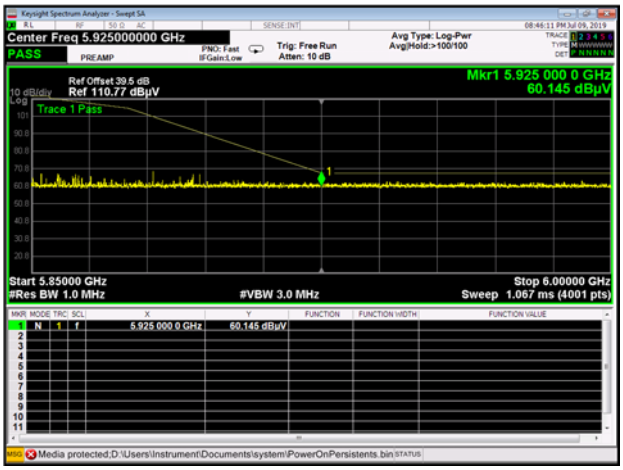
Band IV 11n20 CH165 Peak



Band IV 11n40 CH151 Peak



Band IV 11n40 CH159 Peak



A.7 Frequency Stability

ANT 0

Voltage vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	9	5180	5179.969390	-5.91	5179.968472	-6.09	5179.969837	-5.82	5179.969784	-5.83
	11.55	5180	5179.968454	-6.09	5179.968345	-6.11	5179.969821	-5.83	5179.969621	-5.86
	13.2	5180	5179.969213	-5.94	5179.968962	-5.99	5179.969863	-5.82	5179.970542	-5.69

Temperature vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
11.55	-30	5180	5179.969182	-5.95	5179.968606	-6.06	5179.970717	-5.65	5179.970502	-5.69
	-20	5180	5179.968796	-6.02	5179.968957	-5.99	5179.970562	-5.68	5179.970161	-5.76
	-10	5180	5179.968812	-6.02	5179.968820	-6.02	5179.970535	-5.69	5179.970581	-5.68
	0	5180	5179.969112	-5.96	5179.968994	-5.99	5179.970386	-5.72	5179.969837	-5.82
	10	5180	5179.968615	-6.06	5179.969328	-5.92	5179.970062	-5.78	5179.969869	-5.82
	20	5180	5179.969107	-5.96	5179.968998	-5.98	5179.970311	-5.73	5179.969800	-5.83
	30	5180	5179.969410	-5.91	5179.968741	-6.03	5179.970275	-5.74	5179.969774	-5.84
	40	5180	5179.969183	-5.95	5179.968940	-6.00	5179.970465	-5.70	5179.969722	-5.85
	50	5180	5179.968992	-5.99	5179.969134	-5.96	5179.970158	-5.76	5179.969900	-5.81

Voltage vs. Frequency Stability (5825 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	9	5825	5824.961435	-6.62	5824.961407	-6.63	5824.961922	-6.54	5824.964799	-6.04
	11.55	5825	5824.960805	-6.73	5824.961138	-6.67	5824.960982	-6.70	5824.963862	-6.20
	13.2	5825	5824.961198	-6.66	5824.961411	-6.62	5824.961899	-6.54	5824.964729	-6.06

Temperature vs. Frequency Stability (5825 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
11.55	-30	5825	5824.961304	-6.64	5824.961390	-6.63	5824.961007	-6.69	5824.964561	-6.08
	-20	5825	5824.961286	-6.65	5824.961630	-6.59	5824.961429	-6.62	5824.964745	-6.05
	-10	5825	5824.961322	-6.64	5824.961887	-6.54	5824.961172	-6.67	5824.964654	-6.07
	0	5825	5824.961604	-6.59	5824.961566	-6.60	5824.961567	-6.60	5824.964426	-6.11
	10	5825	5824.961325	-6.64	5824.961529	-6.60	5824.961551	-6.60	5824.963936	-6.19
	20	5825	5824.960980	-6.70	5824.961552	-6.60	5824.961350	-6.64	5824.963929	-6.19
	30	5825	5824.961346	-6.64	5824.961586	-6.59	5824.961283	-6.65	5824.963967	-6.19
	40	5825	5824.961335	-6.64	5824.961658	-6.58	5824.961305	-6.64	5824.964376	-6.12
	50	5825	5824.961596	-6.59	5824.961207	-6.66	5824.961756	-6.57	5824.964000	-6.18

ANT 1

Voltage vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	9	5180	5179.977552	-4.33	5179.977592	-4.33	5179.977476	-4.35	5179.977604	-4.32
	11.55	5180	5179.976728	-4.49	5179.977531	-4.34	5179.976899	-4.46	5179.977216	-4.40
	13.2	5180	5179.976871	-4.47	5179.978498	-4.15	5179.977457	-4.35	5179.977257	-4.39

Temperature vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
11.55	-30	5180	5179.977127	-4.42	5179.977556	-4.33	5179.977860	-4.27	5179.977706	-4.30
	-20	5180	5179.976811	-4.48	5179.978388	-4.17	5179.977744	-4.30	5179.977899	-4.27
	-10	5180	5179.977093	-4.42	5179.978285	-4.19	5179.977070	-4.43	5179.977323	-4.38
	0	5180	5179.977140	-4.41	5179.977606	-4.32	5179.977027	-4.43	5179.977757	-4.29
	10	5180	5179.977056	-4.43	5179.978281	-4.19	5179.976906	-4.46	5179.978179	-4.21
	20	5180	5179.977236	-4.39	5179.977822	-4.28	5179.977101	-4.42	5179.977737	-4.30
	30	5180	5179.977045	-4.43	5179.978223	-4.20	5179.977327	-4.38	5179.977963	-4.25
	40	5180	5179.977189	-4.40	5179.977561	-4.33	5179.977457	-4.35	5179.977468	-4.35
	50	5180	5179.977211	-4.40	5179.977938	-4.26	5179.976997	-4.44	5179.977991	-4.25

Voltage vs. Frequency Stability (5825 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	9	5825	5824.961887	-6.54	5824.963247	-6.31	5824.963816	-6.21	5824.962808	-6.38
	11.55	5825	5824.961830	-6.55	5824.963182	-6.32	5824.963351	-6.29	5824.962348	-6.46
	13.2	5825	5824.962206	-6.49	5824.963567	-6.25	5824.963699	-6.23	5824.962658	-6.41

Temperature vs. Frequency Stability (5825 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
11.55	-30	5825	5824.962314	-6.47	5824.963236	-6.31	5824.964082	-6.17	5824.962400	-6.45
	-20	5825	5824.962052	-6.51	5824.963357	-6.29	5824.964273	-6.13	5824.962998	-6.35
	-10	5825	5824.961905	-6.54	5824.963963	-6.19	5824.963569	-6.25	5824.963220	-6.31
	0	5825	5824.962227	-6.48	5824.963213	-6.32	5824.964069	-6.17	5824.962770	-6.39
	10	5825	5824.962106	-6.51	5824.963339	-6.29	5824.964156	-6.15	5824.962800	-6.39
	20	5825	5824.962555	-6.43	5824.964103	-6.16	5824.963760	-6.22	5824.962394	-6.46
	30	5825	5824.962739	-6.40	5824.963409	-6.28	5824.964089	-6.16	5824.963214	-6.32
	40	5825	5824.961924	-6.54	5824.964173	-6.15	5824.963937	-6.19	5824.962874	-6.37
	50	5825	5824.962309	-6.47	5824.963385	-6.29	5824.964318	-6.13	5824.962920	-6.37

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Voltage vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	9	5180	5179.966589	-6.45	5179.974032	-5.01	5179.972547	-5.30	5179.969013	-5.98
	11.55	5180	5179.965854	-6.59	5179.973328	-5.15	5179.971824	-5.44	5179.968142	-6.15
	13.2	5180	5179.966294	-6.51	5179.973810	-5.06	5179.972255	-5.36	5179.968960	-5.99

Temperature vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
11.55	-30	5180	5179.966217	-6.52	5179.974153	-4.99	5179.972146	-5.38	5179.969126	-5.96
	-20	5180	5179.965931	-6.58	5179.973516	-5.11	5179.972330	-5.34	5179.968476	-6.09
	-10	5180	5179.966268	-6.51	5179.973556	-5.11	5179.972241	-5.36	5179.968653	-6.05
	0	5180	5179.966776	-6.41	5179.974196	-4.98	5179.972133	-5.38	5179.968862	-6.01
	10	5180	5179.966671	-6.43	5179.974141	-4.99	5179.972078	-5.39	5179.968196	-6.14
	20	5180	5179.966105	-6.54	5179.974228	-4.98	5179.971939	-5.42	5179.968983	-5.99
	30	5180	5179.966850	-6.40	5179.973994	-5.02	5179.971976	-5.41	5179.969055	-5.97
	40	5180	5179.966006	-6.56	5179.973721	-5.07	5179.972166	-5.37	5179.968683	-6.05
	50	5180	5179.966418	-6.48	5179.974111	-5.00	5179.972329	-5.34	5179.968370	-6.11

Voltage vs. Frequency Stability (5825 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	9	5825	5824.967340	-5.61	5824.967835	-5.52	5824.971413	-4.91	5824.965976	-5.84
	11.55	5825	5824.966554	-5.74	5824.967812	-5.53	5824.971352	-4.92	5824.965525	-5.92
	13.2	5825	5824.967306	-5.61	5824.968097	-5.48	5824.971969	-4.81	5824.965537	-5.92

Temperature vs. Frequency Stability (5825 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
11.55	-30	5825	5824.966694	-5.72	5824.968789	-5.36	5824.972252	-4.76	5824.966482	-5.75
	-20	5825	5824.966716	-5.71	5824.968177	-5.46	5824.971686	-4.86	5824.965567	-5.91
	-10	5825	5824.967012	-5.66	5824.968166	-5.47	5824.971392	-4.91	5824.965675	-5.89
	0	5825	5824.967284	-5.62	5824.968237	-5.45	5824.971801	-4.84	5824.966225	-5.80
	10	5825	5824.967513	-5.58	5824.968244	-5.45	5824.972242	-4.77	5824.965732	-5.88
	20	5825	5824.967406	-5.60	5824.968114	-5.47	5824.971529	-4.89	5824.965709	-5.89
	30	5825	5824.967484	-5.58	5824.968385	-5.43	5824.972302	-4.75	5824.965834	-5.87
	40	5825	5824.967253	-5.62	5824.968253	-5.45	5824.971957	-4.81	5824.965924	-5.85
	50	5825	5824.967217	-5.63	5824.967981	-5.50	5824.971658	-4.87	5824.966055	-5.83

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Voltage vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	9	5180	5179.967315	-6.31	5179.974686	-4.89	5179.972205	-5.37	5179.972547	-5.30
	11.55	5180	5179.967154	-6.34	5179.974352	-4.95	5179.972134	-5.38	5179.972122	-5.38
	13.2	5180	5179.967800	-6.22	5179.974684	-4.89	5179.972689	-5.27	5179.972347	-5.34

Temperature vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
11.55	-30	5180	5179.967186	-6.33	5179.975100	-4.81	5179.972488	-5.31	5179.972304	-5.35
	-20	5180	5179.967201	-6.33	5179.975205	-4.79	5179.972437	-5.32	5179.972233	-5.36
	-10	5180	5179.968048	-6.17	5179.974468	-4.93	5179.973039	-5.20	5179.972942	-5.22
	0	5180	5179.967751	-6.23	5179.974415	-4.94	5179.972898	-5.23	5179.972350	-5.34
	10	5180	5179.967191	-6.33	5179.974837	-4.86	5179.972195	-5.37	5179.972978	-5.22
	20	5180	5179.968065	-6.17	5179.974634	-4.90	5179.972576	-5.29	5179.972544	-5.30
	30	5180	5179.967913	-6.19	5179.974425	-4.94	5179.972196	-5.37	5179.972760	-5.26
	40	5180	5179.967463	-6.28	5179.974563	-4.91	5179.972382	-5.33	5179.973072	-5.20
	50	5180	5179.967307	-6.31	5179.975147	-4.80	5179.973068	-5.20	5179.972712	-5.27

Voltage vs. Frequency Stability (5825 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	9	5825	5824.967974	-5.50	5824.968835	-5.35	5824.971525	-4.89	5824.973805	-4.50
	11.55	5825	5824.967779	-5.53	5824.967882	-5.51	5824.971321	-4.92	5824.973225	-4.60
	13.2	5825	5824.968451	-5.42	5824.968724	-5.37	5824.971476	-4.90	5824.973810	-4.50

Temperature vs. Frequency Stability (5825 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
11.55	-30	5825	5824.968626	-5.39	5824.968204	-5.46	5824.972312	-4.75	5824.973741	-4.51
	-20	5825	5824.967998	-5.49	5824.968742	-5.37	5824.971502	-4.89	5824.974000	-4.46
	-10	5825	5824.968708	-5.37	5824.968648	-5.38	5824.971973	-4.81	5824.974197	-4.43
	0	5825	5824.968577	-5.39	5824.968014	-5.49	5824.972027	-4.80	5824.973720	-4.51
	10	5825	5824.968482	-5.41	5824.967982	-5.50	5824.972274	-4.76	5824.973235	-4.59
	20	5825	5824.968513	-5.41	5824.968510	-5.41	5824.972242	-4.77	5824.973520	-4.55
	30	5825	5824.968095	-5.48	5824.968515	-5.41	5824.971443	-4.90	5824.973839	-4.49
	40	5825	5824.968456	-5.42	5824.968032	-5.49	5824.971582	-4.88	5824.973609	-4.53
	50	5825	5824.968609	-5.39	5824.967933	-5.50	5824.972269	-4.76	5824.973807	-4.50

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ1960488-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ1960488-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ1960488-AI.PDF”.

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