FCC RF TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

AIO

ISSUED TO
Evoo Products Company, LLC

2651 Fairfax Avenue Culver City, CA 90232

Prepared by: Heng Aiping (Engineer)
Date: Sep. 10, 2019

Approved by: Wei Yanquan (Chief Engineer)
Date: Sep. 12, 2019

Report No.:	BL-SZ1970033-604
EUT Name:	AIO
Model Name:	EV-A-156-1 (refer section 2.4)
Brand Name:	EVOO
Test Standard:	47 CFR Part 15 Subpart E
FCC ID:	2ATQQEV-A-156-1
Test Conclusion:	Pass
Test Date:	Jul. 02, 2019 ~ Jul. 25, 2019
Date of Issue:	Sep. 12, 2019

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Revision History

Version	Issue Date	Revisions Content
Rev. 01	Sep. 03, 2019	Initial Issue
Rev. 02	Sep. 12, 2019	Updated the Product Type

TABLE OF CONTENTS

1 ADMINISTRATIVE DATA (GENERAL INFORMATION) 4

1.1 Identification of the Testing Laboratory 4

1.2 Identification of the Responsible Testing Location 4

1.3 Laboratory Condition 4

1.4 Announce 4

2 PRODUCT INFORMATION 5

2.1 Applicant 5

2.2 Manufacturer 5

2.3 Factory 5

2.4 General Description for Equipment under Test (EUT) 5

2.5 Technical Information 6

2.6 Additional Instructions 7

2.7 Channel List 9

3 SUMMARY OF TEST RESULTS 11

3.1 Test Standards 11

3.2 Verdict 11

4 GENERAL TEST CONFIGURATIONS 12

4.1 Test Environments 12

4.2 Test Equipment List 12

4.3 Measurement Uncertainty 13

4.4 Description of Test Setup 14

5 TEST ITEMS 17

5.1 RF Output Power 17

5.2 Emission Bandwidth and 6 dB Bandwidth 18

5.3 Power Spectral density (PSD) 19

5.4 Conducted Emission 20

5.5 Radiated Spurious Emissions and Band Edge (Restricted-band) 21

5.6 Frequency Stability....26
ANNEX A TEST RESULT....27
A.1 RF Output Power....27
A.2 Emission Bandwidth & 99% Bandwidth....29
A.3 6 dB Bandwidth....31
A.4 Power Spectral Density....32
A.5 Conducted Emissions....34
A.6 Radiated Spurious Emissions and Band Edge (Restricted-band)....36
A.7 Frequency Stability....81
ANNEX B TEST SETUP PHOTOS....83
ANNEX C EUT EXTERNAL PHOTOS....83
ANNEX D EUT INTERNAL PHOTOS....83

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	Evoo Products Company, LLC
Address	2651 Fairfax Avenue Culver City, CA 90232

2.2 Manufacturer

Manufacturer	HeYuan Vastking Electronic Co., Ltd.
Address	No.13, Hepu Road, Yuancheng, Heyuan, Guangdong

2.3 Factory

Factory	HeYuan Vastking Electronic Co., Ltd.
Address	No.13, Hepu Road, Yuancheng, Heyuan, Guangdong

2.4 General Description for Equipment under Test (EUT)

EUT Name	AIO
Model Name Under Test	EV-A-156-1
Series Model Name	EV-A-156-1-BK, EV-A-156-1-SL
Description of Model name differentiation	1. Difference appearance color; 2. Difference Model Name;
Hardware Version	EM_AT15_V6.0 M2 PCBA_EM_AT15_V6.0 M2
Software Version	Android 9.0
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	Bluetooth 4.1 (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n(HT20/40)

The requirement for the following technical information of the EUT was tested in this report:

Frequency Range	Band I: 5150 MHz to 5250 MHz, Band II: 5250 MHz to 5350 MHz, Band III: 5470 MHz to 5725 MHz Band IV: 5725 MHz to 5850 MHz
Product Type	☒ 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: 13.20 dBm Band II: 13.45 dBm Band III: 15.30 dBm Band IV: 14.48 dBm
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
Antenna Type	PIFA Antenna
Antenna Gain	Band I: 5150 MHz to 5250 MHz: 1.75 dBi Band II: 5250 MHz to 5350 MHz: 1.75 dBi Band III: 5470 MHz to 5725 MHz: 1.75 dBi Band IV: 5725 MHz to 5850 MHz: 1.75 dBi
About the Product	The equipment is Tablet, 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	#engmode		
Support Units (Software installation media)	Description	Manufacturer	Model
	AIO	HeYuan Vastking Electronic Co., Ltd.	EV-A-156-1

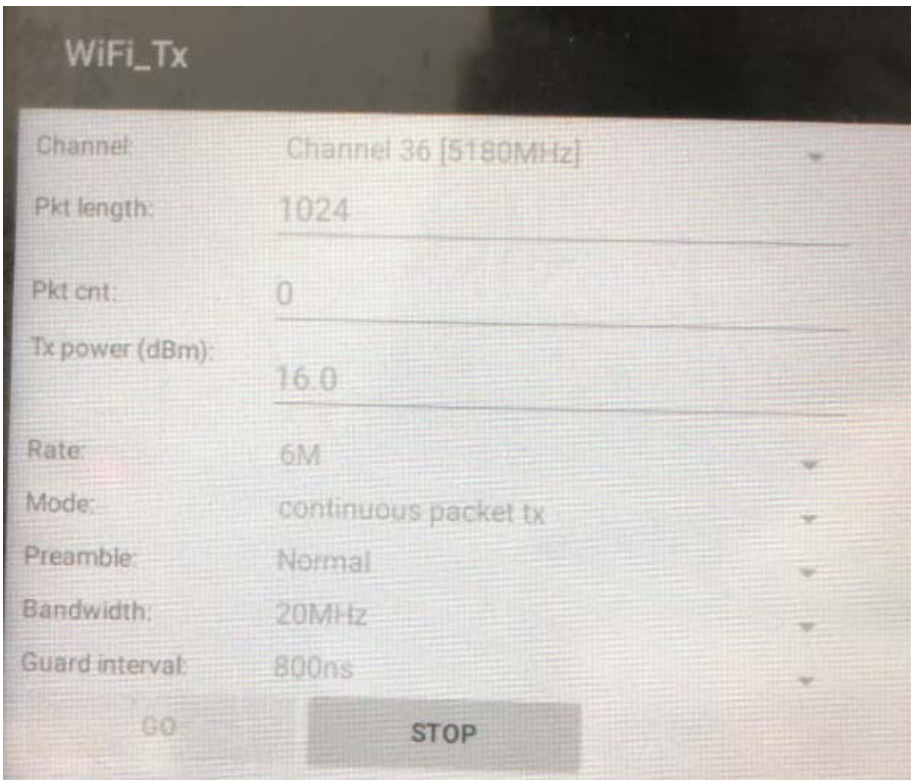
Band I (5150 - 5250 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	16
11a	CH44	5220	16
11a	CH48	5240	16
11n (HT20)	CH36	5180	15
11n (HT20)	CH44	5220	15
11n (HT20)	CH48	5240	15
11n (HT40)	CH38	5190	15
11n (HT40)	CH46	5230	15

Band II (5250 - 5350 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH52	5260	16
11a	CH60	5300	16
11a	CH64	5320	16
11n (HT20)	CH52	5260	15
11n (HT20)	CH60	5300	15
11n (HT20)	CH64	5320	15
11n (HT40)	CH54	5270	15
11n (HT40)	CH62	5310	15

Band III (5470 - 5725 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH100	5500	16
11a	CH116	5580	16
11a	CH140	5700	16
11a	CH144	5720	16
11n (HT20)	CH100	5500	15
11n (HT20)	CH116	5580	15
11n (HT20)	CH140	5700	15
11n (HT20)	CH144	5720	15
11n (HT40)	CH102	5510	15
11n (HT40)	CH118	5590	15
11n (HT40)	CH134	5670	15
11n (HT40)	CH142	5700	15

Band IV (5725 - 5850 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH149	5745	16
11a	CH157	5785	16
11a	CH165	5825	16
11n (HT20)	CH149	5745	15
11n (HT20)	CH157	5785	15
11n (HT20)	CH165	5825	15
11n (HT40)	CH151	5755	15
11n (HT40)	CH159	5795	15

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**	**54**	**5270**
48	**5240**	**62**	**5310**
52	**5260**	**102**	**5510**
56	5280	110	5550
60	**5300**	**134**	**5670**
64	**5320**	**151**	**5755**
100	**5500**	**159**	**5795**
104	5520		
108	5540		
112	5560		
116	**5580**		
132	5660		
136	5680		
140	**5700**		
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 II (5250 - 5350 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
36	Low	5180	52	Low	5260
44	Mid	5220	60	Mid	5300
48	High	5240	64	High	5320

Band III (5470 - 5725 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
100	Low	5500	149	Low	5745
116	Mid	5580	157	Mid	5785
140	High	5700	165	High	5825
144	High	5720			

For 802.11n (HT40)

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

Band III (5150 - 5250 MHz)			Band IV (5725 - 5850 MHz)		
Channel Number	Channel	Frequency (MHz)	Channel Number	Channel	Frequency (MHz)
102	Low	5510	151	Low	5755
118	Mid	5590	159	High	5795
134	High	5670			
142	High	5700			

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

Test Items	Mode	Data Rate	Modulation Type	Band I	Band II	Band III	Band IV
				Channel	Channel	Channel	Channel
RF Output Power	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151
6 dB bandwidth	11a	6	BPSK	N/A	N/A	N/A	165/157/149
	11n(20 MHz)	6.5		N/A	N/A	N/A	165/157/149
	11n(40 MHz)	13.5		N/A	N/A	N/A	159/151
Power Spectral Density	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151
Radiated Spurious Emissions	11a	6	BPSK	48/44/36	64/60/52	144/140/116/100	165/157/149
	11n(20 MHz)	6.5		48/44/36	64/60/52	144/140/116/100	165/157/149
	11n(40 MHz)	13.5		46/38	62/54	142/134/118/102	159/151
Band Edge (Restricted-band)	11a	6	BPSK	48/36	64/52	144/140/100	165/149
	11n(20 MHz)	6.5		48/36	64/52	144/140/100	165/149
	11n(40 MHz)	13.5		46/38	62/54	142/102	159/151
Frequency Stability	Unmodulated	N/A	N/A	36	N/A	N/A	165

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15 Subpart E (10-1-16 Edition)	Unlicensed National Information Infrastructure Devices
2	KDB Publication 789033 D02v01r04	Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

3.2 Verdict

No.	Description	FCC Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	--	Pass[Note1]
2	RF Output Power	15.407(a)	ANNEX A.1	Pass
3	Emission Bandwidth & 99% Occupied Bandwidth	15.407(a)	ANNEX A.2	Pass
4	6 dB bandwidth	15.407(e)	ANNEX A.3	Pass
5	Power Spectral Density	15.407(a)	ANNEX A.4	Pass
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Radiated Spurious Emissions and Band Edge (Restricted-band)	15.407(b)	ANNEX A.6	Pass
8	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)	-20℃
	HT (High Temperature)	+60℃
Working Voltage of the EUT	NV (Normal Voltage)	3.8 V
	LV (Low Voltage)	3.3 V
	HV (High Voltage)	4.0 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

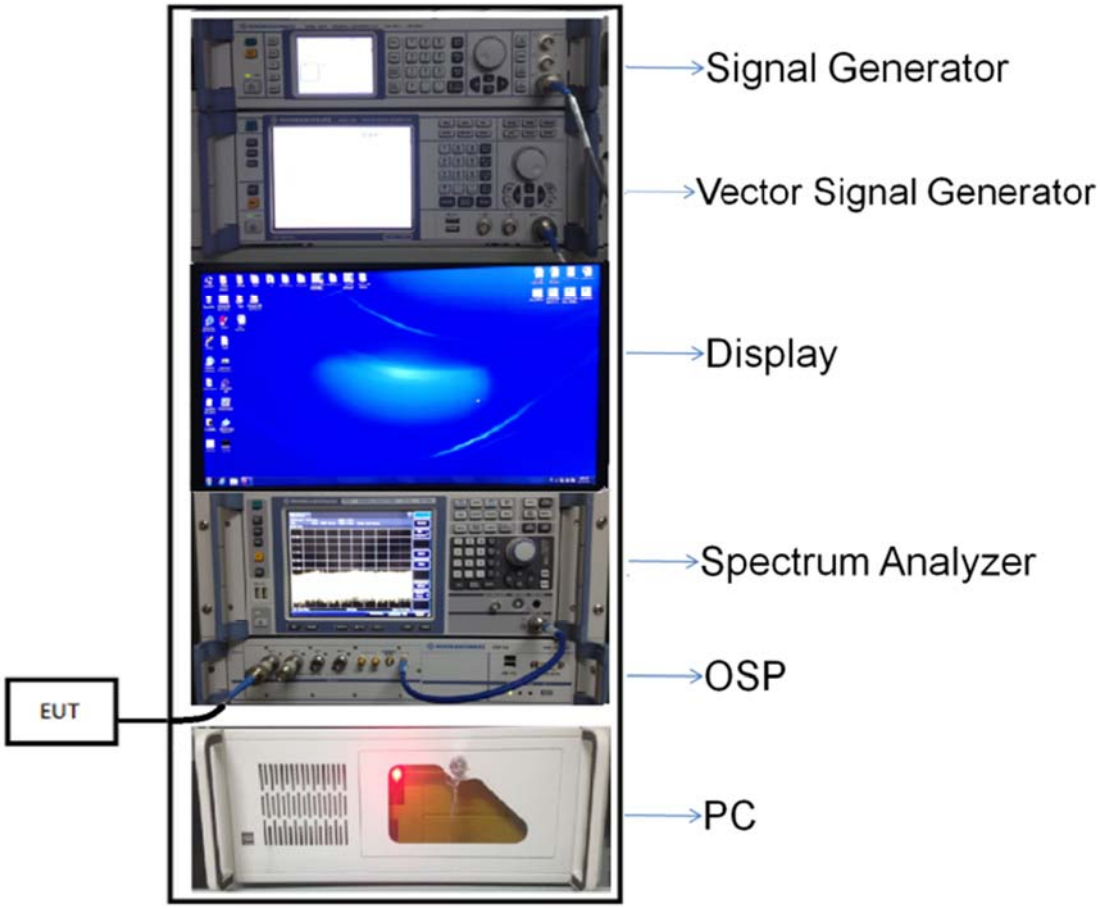
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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%

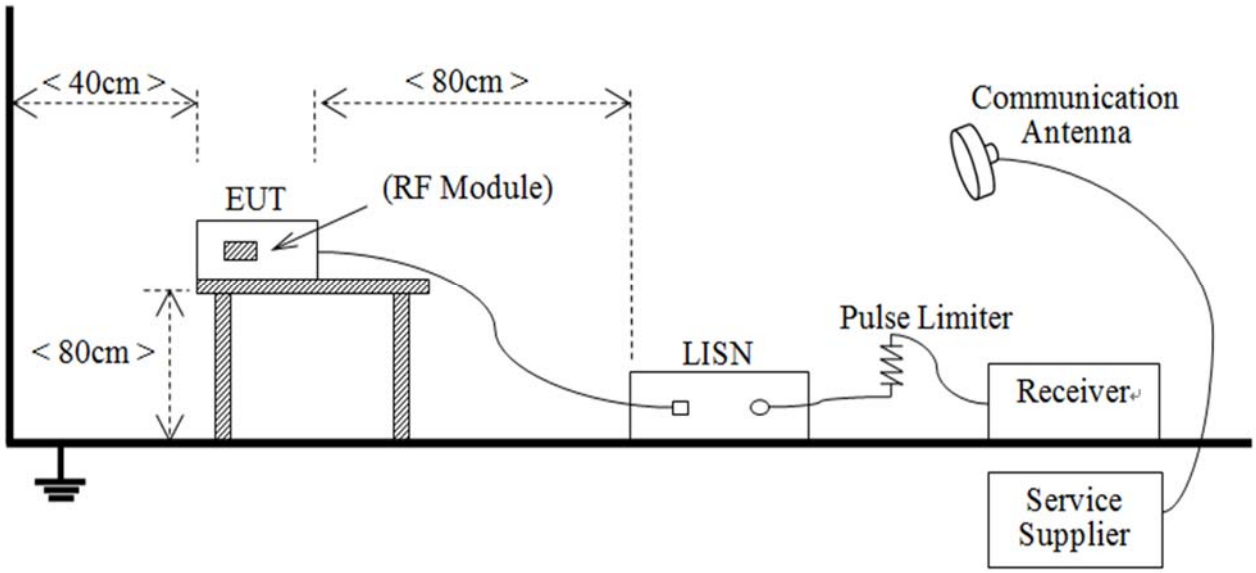
4.4 Description of Test Setup

4.4.1 For Antenna Port Test



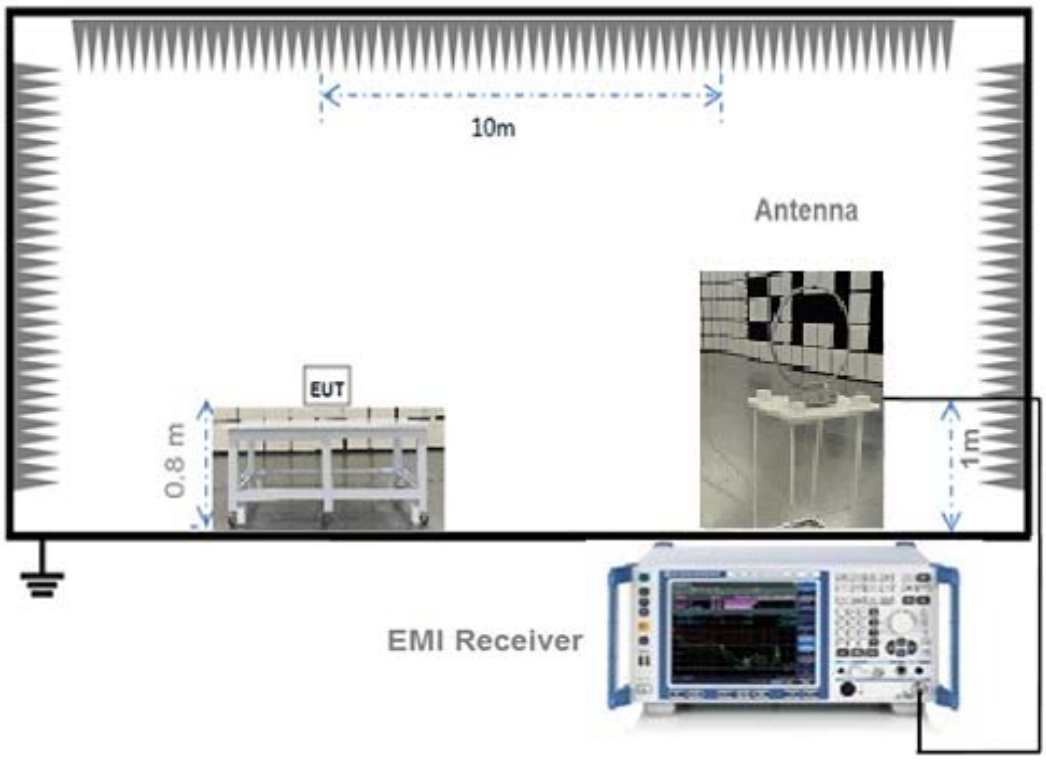
(Diagram 1)

4.4.2 For AC Power Supply Port Test



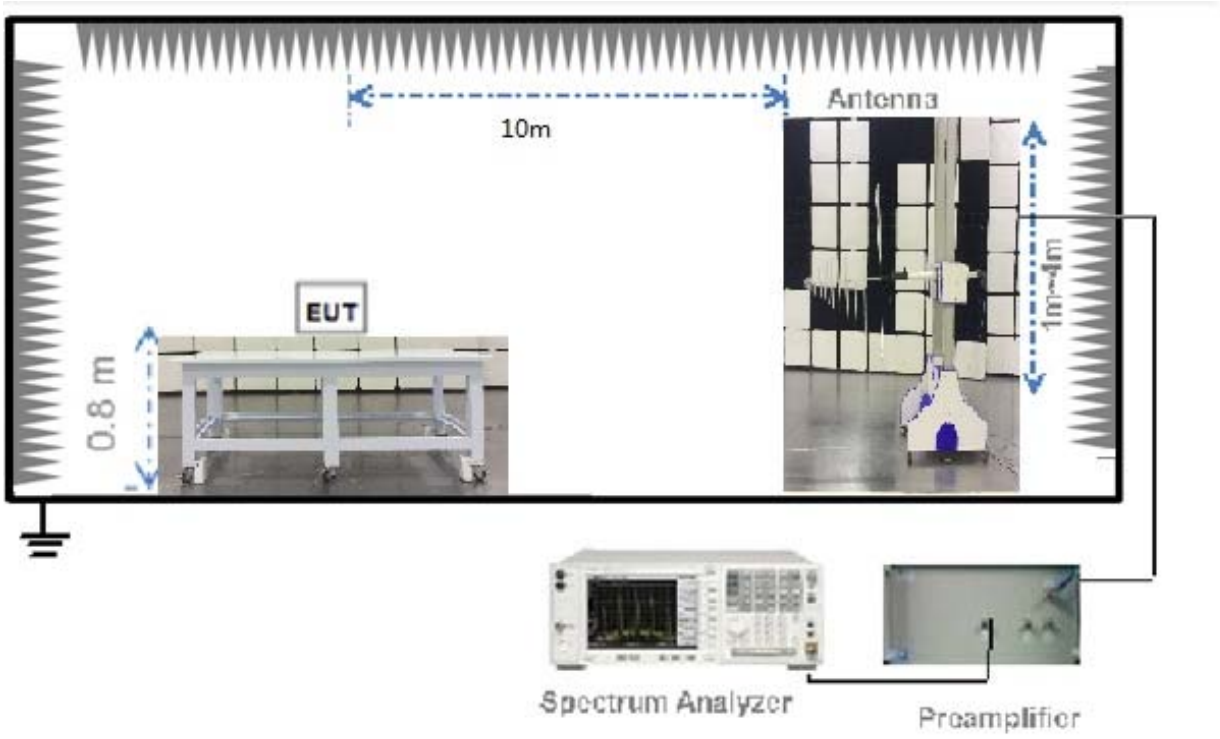
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



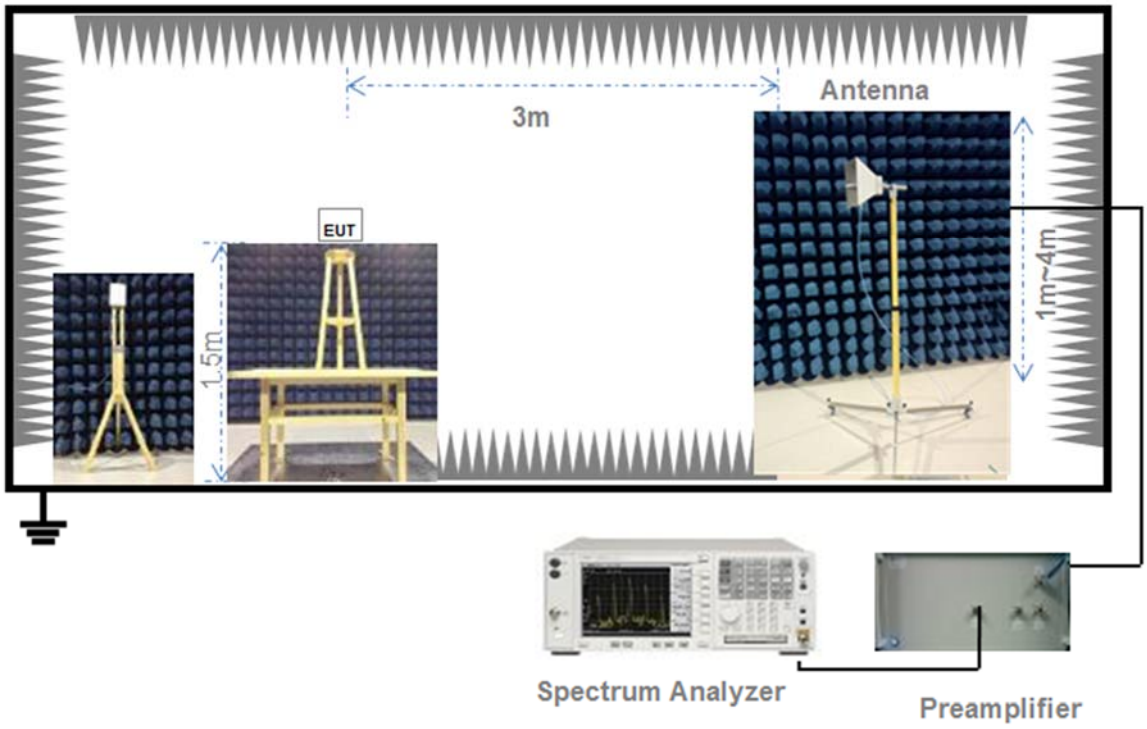
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



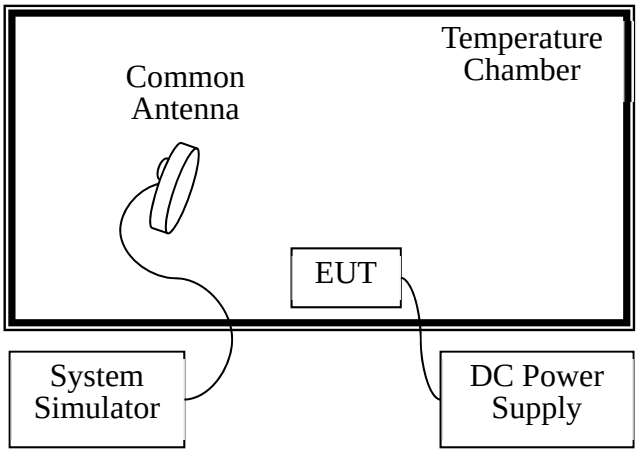
(Diagram 4)

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.

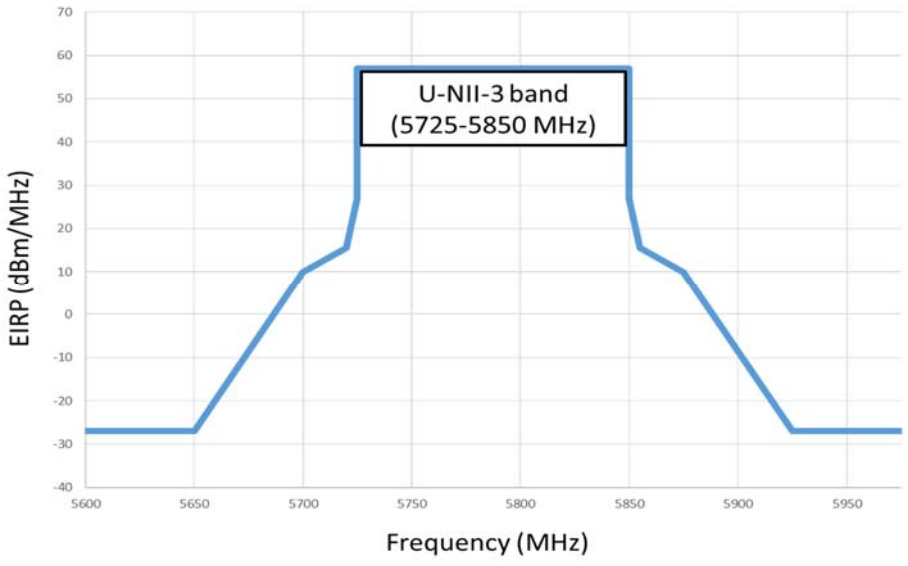
5.5 Radiated Spurious Emissions and Band Edge (Restricted-band)

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 – 20log 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

Band I (5150 - 5250 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	5180	13.20	20.91	250	Pass
11a	CH44	5220	12.00	15.86	250	Pass
11a	CH48	5240	12.99	19.93	250	Pass
11n (HT20)	CH36	5180	11.60	14.47	250	Pass
11n (HT20)	CH44	5220	10.97	12.52	250	Pass
11n (HT20)	CH48	5240	11.79	15.12	250	Pass
11n (HT40)	CH38	5190	11.54	14.24	250	Pass
11n (HT40)	CH46	5230	11.52	14.18	250	Pass

Band II (5250 - 5350 MHz)							
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC: 11 dBm + 10log B (mW)	FCC Limit (mW)	Verdict
11a	CH52	5260	13.45	22.15	249	249	Pass
11a	CH60	5300	12.05	16.05	253	253	Pass
11a	CH64	5320	12.48	17.72	248	248	Pass
11n (HT20)	CH52	5260	11.81	15.19	250	250	Pass
11n (HT20)	CH60	5300	10.86	12.20	251	251	Pass
11n (HT20)	CH64	5320	11.38	13.76	250	250	Pass
11n (HT40)	CH54	5270	11.52	14.18	512	512	Pass
11n (HT40)	CH62	5310	11.37	13.70	510	510	Pass

Band III (5470 - 5725 MHz)							
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC: 11 dBm + 10log B (mW)	FCC Limit (mW)	Verdict
11a	CH100	5500	14.03	25.32	248	248	Pass
11a	CH116	5580	15.30	33.92	245	245	Pass
11a	CH140	5700	14.67	29.34	245	245	Pass
11a	CH144	5720	14.54	28.47	248	248	Pass
11n (HT20)	CH100	5500	12.48	17.72	249	249	Pass
11n (HT20)	CH116	5580	13.01	20.02	249	249	Pass
11n (HT20)	CH140	5700	14.28	26.82	249	249	Pass
11n (HT20)	CH144	5720	13.52	22.51	249	249	Pass
11n (HT40)	CH102	5510	13.70	23.42	501	501	Pass
11n (HT40)	CH118	5590	14.72	29.62	501	501	Pass
11n (HT40)	CH134	5670	13.67	23.26	505	505	Pass
11n (HT40)	CH142	5700	13.62	22.99	504	504	Pass

Band IV (5725 - 5850 MHz)						
Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	5745	14.48	28.08	1000	Pass
11a	CH157	5785	14.23	26.51	1000	Pass
11a	CH165	5825	13.74	23.68	1000	Pass
11n (HT20)	CH149	5745	13.25	21.16	1000	Pass
11n (HT20)	CH157	5785	13.02	20.07	1000	Pass
11n (HT20)	CH165	5825	12.72	18.73	1000	Pass
11n (HT40)	CH151	5755	13.38	21.76	1000	Pass
11n (HT40)	CH159	5795	13.12	20.49	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ1970033-604 Data Part 1.pdf”.

Test Data

Band I (5150 - 5250 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	5180	19.72	16.61
11a	CH44	5220	20.04	16.67
11a	CH48	5240	19.88	16.67
11n (HT20)	CH36	5180	19.88	17.60
11n (HT20)	CH44	5220	19.92	17.66
11n (HT20)	CH48	5240	19.92	17.66
11n (HT40)	CH38	5190	40.90	36.35
11n (HT40)	CH46	5230	40.60	36.35

Band II (5250 - 5350 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	5260	19.80	16.67
11a	CH60	5300	20.08	16.67
11a	CH64	5320	19.72	16.61
11n (HT20)	CH52	5260	19.88	17.60
11n (HT20)	CH60	5300	19.96	17.66
11n (HT20)	CH64	5320	19.84	17.66
11n (HT40)	CH54	5270	40.70	36.24
11n (HT40)	CH62	5310	40.50	36.35

Band III (5470 - 5725 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	5500	19.68	16.61
11a	CH116	5580	19.48	16.56
11a	CH140	5700	19.44	16.56
11a	CH144	5720	19.72	16.56
11n (HT20)	CH100	5500	19.80	17.66
11n (HT20)	CH116	5580	19.76	17.54
11n (HT20)	CH140	5700	19.76	17.60
11n (HT20)	CH144	5720	19.84	17.60
11n (HT40)	CH102	5510	39.80	36.01
11n (HT40)	CH118	5590	40.10	36.12
11n (HT40)	CH134	5670	40.10	36.24
11n (HT40)	CH142	5700	40.00	36.12

Band IV (5725 - 5850 MHz)				
Mode	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	5745	19.56	16.61
11a	CH157	5785	19.52	16.56
11a	CH165	5825	19.60	16.56
11n (HT20)	CH149	5745	19.76	17.66
11n (HT20)	CH157	5785	19.80	17.60
11n (HT20)	CH165	5825	19.80	17.54
11n (HT40)	CH151	5755	39.70	36.01
11n (HT40)	CH159	5795	40.10	36.24

A.3 6 dB Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ1970033-604 Data Part 2.pdf”.

Test Data

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	5745	14.52	500	Pass
11a	CH157	5785	16.57	500	Pass
11a	CH165	5825	16.42	500	Pass
11n (HT20)	CH149	5745	17.67	500	Pass
11n (HT20)	CH157	5785	17.67	500	Pass
11n (HT20)	CH165	5825	17.67	500	Pass
11n (HT40)	CH151	5755	33.57	500	Pass
11n (HT40)	CH159	5795	36.17	500	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ1970033-604 Data Part 3.pdf”.

Test Data

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

Band I (5150 - 5250 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH149	5745	2.35	11.00	Pass
11a	CH157	5785	1.52	11.00	Pass
11a	CH165	5825	3.08	11.00	Pass
11n (HT20)	CH149	5745	0.67	11.00	Pass
11n (HT20)	CH157	5785	0.36	11.00	Pass
11n (HT20)	CH165	5825	2.16	11.00	Pass
11n (HT40)	CH151	5755	-2.63	11.00	Pass
11n (HT40)	CH159	5795	-2.36	11.00	Pass

Band II (5250 - 5350 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH52	5260	2.37	11.00	Pass
11a	CH60	5300	2.12	11.00	Pass
11a	CH64	5320	2.90	11.00	Pass
11n (HT20)	CH52	5260	1.44	11.00	Pass
11n (HT20)	CH60	5300	0.39	11.00	Pass
11n (HT20)	CH64	5320	0.81	11.00	Pass
11n (HT40)	CH54	5270	-2.64	11.00	Pass
11n (HT40)	CH62	5310	-2.58	11.00	Pass

Band III (5470 - 5725 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Verdict
11a	CH100	5500	4.34	11.00	Pass
11a	CH116	5580	3.95	11.00	Pass
11a	CH140	5700	3.94	11.00	Pass
11a	CH144	5720	4.72	11.00	Pass
11n (HT20)	CH100	5500	2.92	11.00	Pass
11n (HT20)	CH116	5580	2.20	11.00	Pass
11n (HT20)	CH140	5700	3.41	11.00	Pass
11n (HT20)	CH144	5720	2.66	11.00	Pass
11n (HT40)	CH102	5510	-1.37	11.00	Pass
11n (HT40)	CH118	5590	-1.00	11.00	Pass
11n (HT40)	CH134	5670	-1.09	11.00	Pass
11n (HT40)	CH142	5700	-0.43	11.00	Pass

Band IV (5725 - 5850 MHz)					
Mode	Channel	Frequency (MHz)	PSD (dBm/MHz)	FCC Limit (dBm/500 kHz)	Verdict
11a	CH149	5745	1.87	30.00	Pass
11a	CH157	5785	1.89	30.00	Pass
11a	CH165	5825	1.55	30.00	Pass
11n (HT20)	CH149	5745	0.27	30.00	Pass
11n (HT20)	CH157	5785	0.58	30.00	Pass
11n (HT20)	CH165	5825	-0.36	30.00	Pass
11n (HT40)	CH151	5755	-3.32	30.00	Pass
11n (HT40)	CH159	5795	-3.41	30.00	Pass

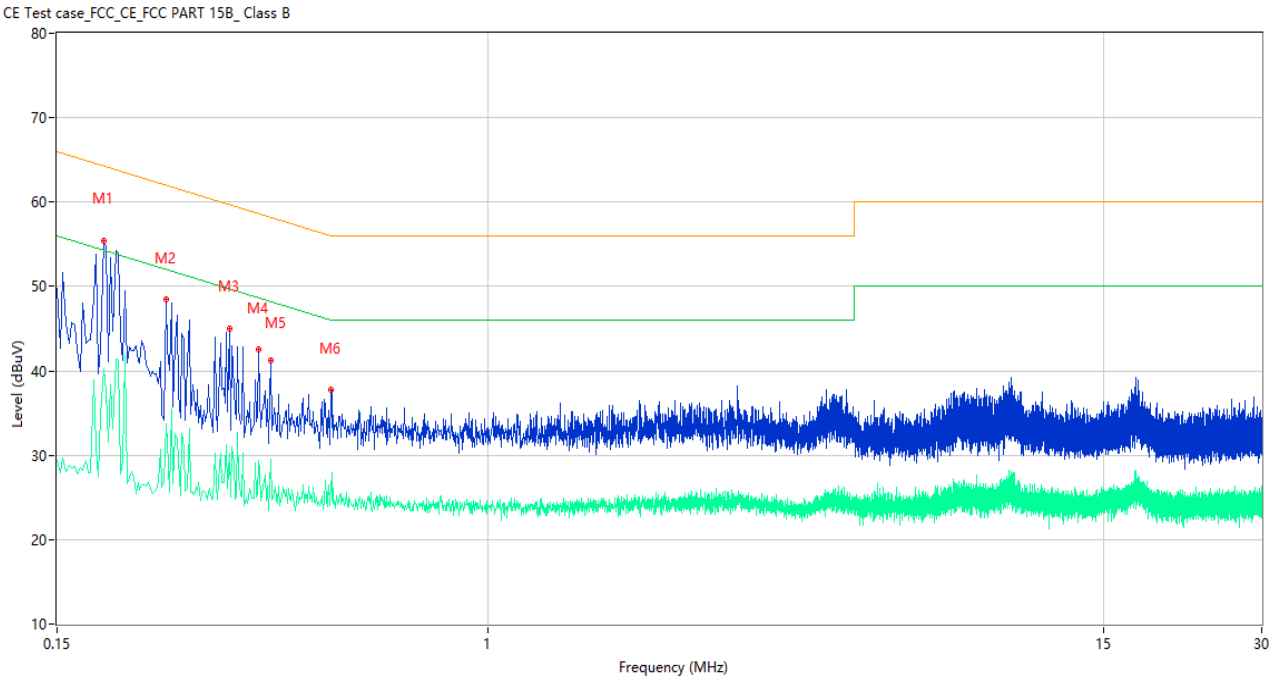
A.5 Conducted Emissions

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.

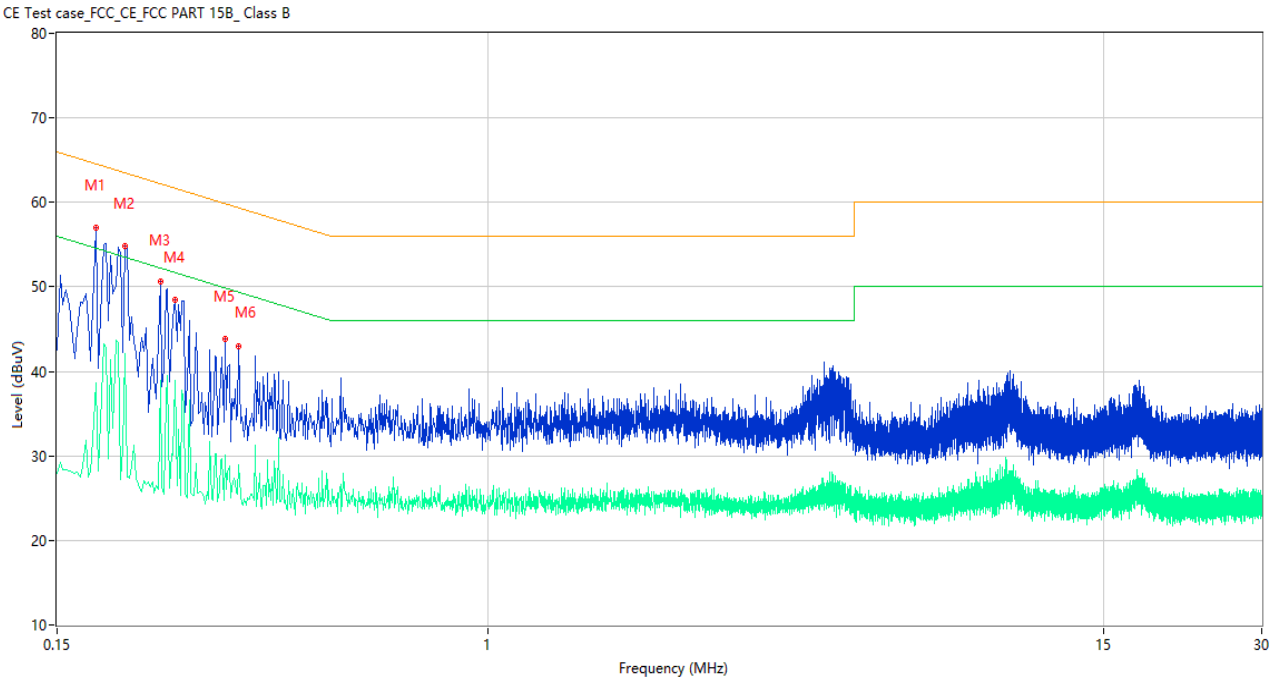
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.184	55.45	10.39	64.30	-8.85	Peak	L	Pass
1**	0.184	40.21	10.39	54.30	-14.09	AV	L	Pass
2	0.242	48.44	10.34	62.03	-13.59	Peak	L	Pass
2**	0.242	33.66	10.34	52.03	-18.37	AV	L	Pass
3	0.320	45.06	10.33	59.71	-14.65	Peak	L	Pass
3**	0.320	30.28	10.33	49.71	-19.43	AV	L	Pass
4	0.364	42.53	10.30	58.64	-16.11	Peak	L	Pass
4**	0.364	29.40	10.30	48.64	-19.24	AV	L	Pass
5	0.384	41.28	10.30	58.19	-16.91	Peak	L	Pass
5**	0.384	29.48	10.30	48.19	-18.71	AV	L	Pass
6	0.500	37.75	10.30	56.00	-18.25	Peak	L	Pass
6**	0.500	26.97	10.30	46.00	-19.03	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.178	57.03	10.39	64.58	-7.55	Peak	N	Pass
1**	0.178	38.66	10.39	54.58	-15.92	AV	N	Pass
2	0.202	54.79	10.38	63.53	-8.74	Peak	N	Pass
2**	0.202	42.10	10.38	53.53	-11.43	AV	N	Pass
3	0.236	50.61	10.35	62.24	-11.63	Peak	N	Pass
3**	0.236	38.91	10.35	52.24	-13.33	AV	N	Pass
4	0.252	48.46	10.34	61.69	-13.23	Peak	N	Pass
4**	0.252	38.89	10.34	51.69	-12.80	AV	N	Pass
5	0.314	43.91	10.33	59.86	-15.95	Peak	N	Pass
5**	0.314	30.03	10.33	49.86	-19.83	AV	N	Pass
6	0.334	43.05	10.33	59.35	-16.30	Peak	N	Pass
6**	0.334	28.99	10.33	49.35	-20.36	AV	N	Pass

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

Test Data

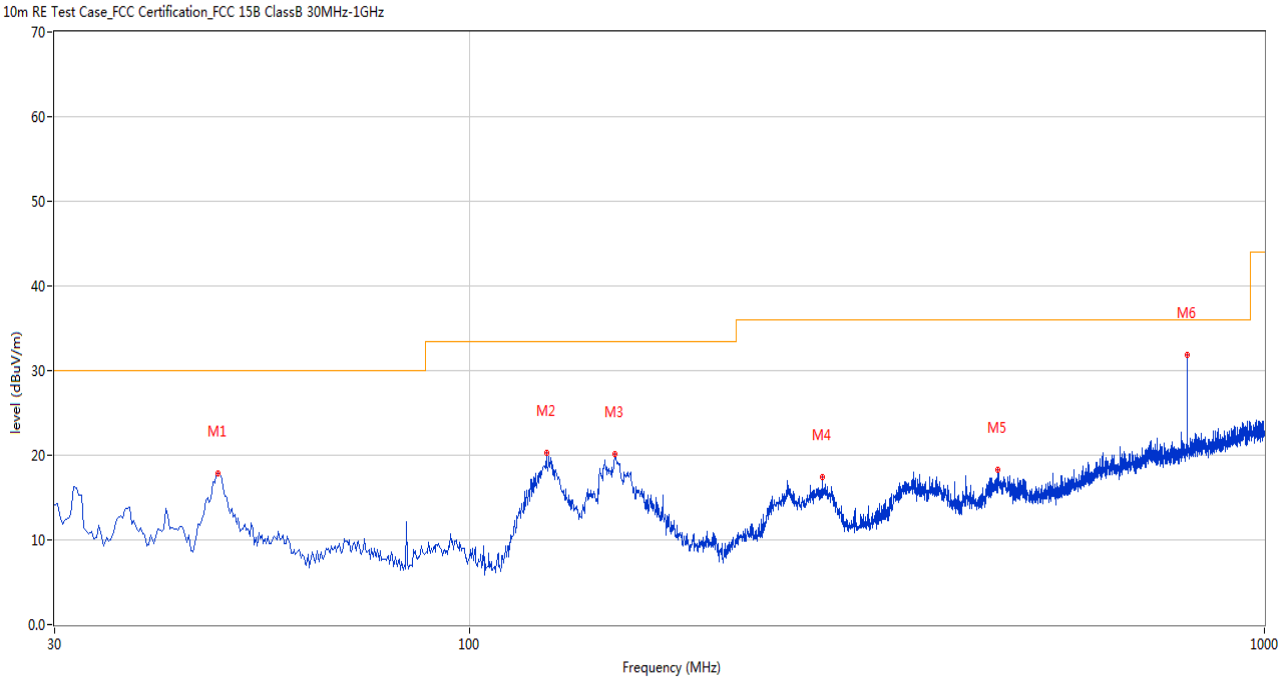
Note [1]: The symbol of "--" in the table which means not application.

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.

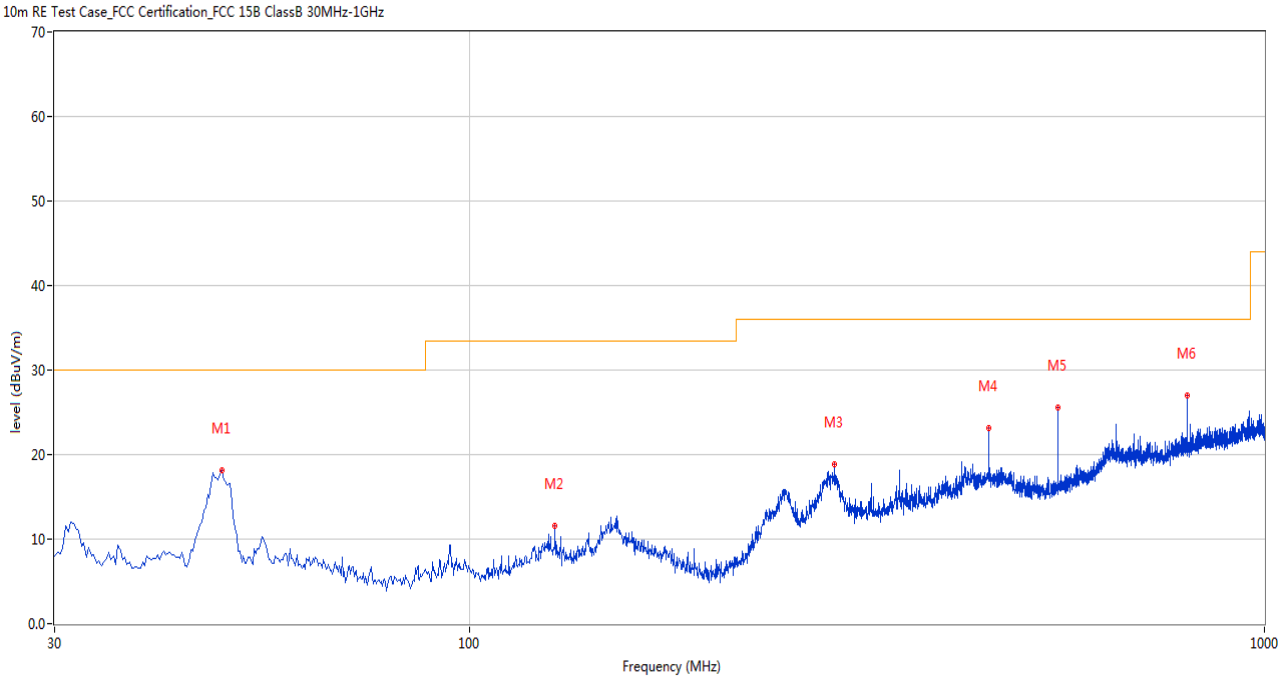
Note [4]: The EUT is working in the Normal link mode below 1 GHz.

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	48.183	17.79	-27.20	30.0	-12.21	Peak	328.00	100	Vertical	Pass
2	124.794	20.25	-27.67	33.5	-13.25	Peak	46.00	100	Vertical	Pass
3	152.189	20.12	-25.97	33.5	-13.38	Peak	38.00	100	Vertical	Pass
4	277.773	17.40	-26.46	36.0	-18.60	Peak	46.00	100	Vertical	Pass
5	462.269	18.33	-21.30	36.0	-17.67	Peak	47.00	100	Vertical	Pass
6	799.018	31.90	-14.35	36.0	-4.10	Peak	149.00	300	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	48.668	18.08	-27.27	30.0	-11.92	Peak	40.00	100	Horizontal	Pass
2	127.946	11.58	-27.34	33.5	-21.92	Peak	360.00	300	Horizontal	Pass
3	287.956	18.85	-26.09	36.0	-17.15	Peak	360.00	300	Horizontal	Pass
4	449.905	23.21	-21.47	36.0	-12.79	Peak	161.00	100	Horizontal	Pass
5	550.032	25.59	-19.51	36.0	-10.41	Peak	360.00	300	Horizontal	Pass
6	799.018	27.06	-14.35	36.0	-8.94	Peak	42.00	400	Horizontal	Pass

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

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1598.500	32.44	-16.33	54.0	-21.56	AV	84.00	100	Vertical	Pass
1	1598.500	39.64	-16.33	74.0	-34.36	Peak	84.00	100	Vertical	Pass
2**	2805.000	34.77	-8.79	54.0	-19.23	AV	195.00	100	Vertical	Pass
2	2805.000	46.12	-8.79	74.0	-27.88	Peak	195.00	100	Vertical	Pass
3**	5179.000	93.29	0.40	--	93.29	AV	157.00	100	Vertical	N/A
3	5179.000	100.68	0.40	--	-56.32	Peak	157.00	100	Vertical	N/A
4**	7533.313	43.25	1.92	54.0	-10.75	AV	354.00	100	Vertical	Pass
4	7533.313	52.99	1.92	74.0	-21.01	Peak	354.00	100	Vertical	Pass
5**	12328.813	47.13	6.93	54.0	-6.87	AV	16.00	100	Vertical	Pass
5	12328.813	56.69	6.93	74.0	-17.31	Peak	16.00	100	Vertical	Pass
6**	15968.250	49.54	13.61	54.0	-4.46	AV	168.00	100	Vertical	Pass
6	15968.250	56.86	13.61	74.0	-17.14	Peak	168.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1563.000	28.84	-16.22	54.0	-25.16	AV	5.00	100	Horizontal	Pass
1	1563.000	40.76	-16.22	74.0	-33.24	Peak	5.00	100	Horizontal	Pass
2**	4089.000	40.83	-0.82	54.0	-13.17	AV	208.00	100	Horizontal	Pass
2	4089.000	51.54	-0.82	74.0	-22.46	Peak	208.00	100	Horizontal	Pass
3**	5179.000	93.75	0.40	--	93.75	AV	69.00	100	Horizontal	N/A
3	5179.000	101.52	0.40	--	32.52	Peak	69.00	100	Horizontal	N/A
4**	8407.312	43.22	1.76	54.0	-10.78	AV	256.00	100	Horizontal	Pass
4	8407.312	54.84	1.76	74.0	-19.16	Peak	256.00	100	Horizontal	Pass
5**	12334.562	47.55	6.68	54.0	-6.45	AV	361.00	100	Horizontal	Pass
5	12334.562	57.67	6.68	74.0	-16.33	Peak	361.00	100	Horizontal	Pass
6**	15972.187	48.58	13.60	54.0	-5.42	AV	175.00	100	Horizontal	Pass
6	15972.187	55.55	13.60	74.0	-18.45	Peak	175.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1487.000	28.61	-16.34	54.0	-25.39	AV	107.00	100	Vertical	Pass
1	1487.000	38.84	-16.34	74.0	-35.16	Peak	107.00	100	Vertical	Pass
2**	3996.000	42.25	-2.78	54.0	-11.75	AV	247.00	100	Vertical	Pass
2	3996.000	50.79	-2.78	74.0	-23.21	Peak	247.00	100	Vertical	Pass
3**	5221.000	92.30	-0.33	--	92.30	AV	253.00	100	Vertical	N/A
3	5221.000	100.47	-0.33	--	88.47	Peak	253.00	100	Vertical	N/A
4**	7527.563	42.94	1.40	54.0	-11.06	AV	111.00	100	Vertical	Pass
4	7527.563	52.23	1.40	74.0	-21.77	Peak	111.00	100	Vertical	Pass
5**	12417.937	46.36	5.98	54.0	-7.64	AV	94.00	100	Vertical	Pass
5	12417.937	56.89	5.98	74.0	-17.11	Peak	94.00	100	Vertical	Pass
6**	15972.187	49.01	13.60	54.0	-4.99	AV	9.00	100	Vertical	Pass
6	15972.187	55.25	13.60	74.0	-18.75	Peak	9.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1485.000	28.95	-16.43	54.0	-25.05	AV	258.00	100	Horizontal	Pass
1	1485.000	39.30	-16.43	74.0	-34.70	Peak	258.00	100	Horizontal	Pass
2**	2718.500	34.96	-7.56	54.0	-19.04	AV	233.00	100	Horizontal	Pass
2	2718.500	45.43	-7.56	74.0	-28.57	Peak	233.00	100	Horizontal	Pass
3**	5219.000	93.21	-0.31	--	93.21	AV	41.00	100	Horizontal	N/A
3	5219.000	100.96	-0.31	--	91.96	Peak	41.00	100	Horizontal	N/A
4**	7329.187	42.84	0.99	54.0	-11.16	AV	115.00	100	Horizontal	Pass
4	7329.187	53.03	0.99	74.0	-20.97	Peak	115.00	100	Horizontal	Pass
5**	12495.563	46.62	6.48	54.0	-7.38	AV	143.00	100	Horizontal	Pass
5	12495.563	56.87	6.48	74.0	-17.13	Peak	143.00	100	Horizontal	Pass
6**	15961.687	48.45	13.63	54.0	-5.55	AV	162.00	100	Horizontal	Pass
6	15961.687	53.72	13.63	74.0	-20.28	Peak	162.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1398.500	28.58	-16.22	54.0	-25.42	AV	207.00	100	Vertical	Pass
1	1398.500	39.17	-16.22	74.0	-34.83	Peak	207.00	100	Vertical	Pass
2**	3996.000	42.53	-2.78	54.0	-11.47	AV	218.00	100	Vertical	Pass
2	3996.000	50.26	-2.78	74.0	-23.74	Peak	218.00	100	Vertical	Pass
3**	5242.000	94.10	0.44	--	94.10	AV	118.00	100	Vertical	N/A
3	5242.000	101.98	0.44	--	86.98	Peak	118.00	100	Vertical	N/A
4**	7585.062	42.06	0.61	54.0	-11.94	AV	266.00	100	Vertical	Pass
4	7585.062	53.04	0.61	74.0	-20.96	Peak	266.00	100	Vertical	Pass
5**	12269.875	46.31	6.44	54.0	-7.69	AV	227.00	100	Vertical	Pass
5	12269.875	57.67	6.44	74.0	-16.33	Peak	227.00	100	Vertical	Pass
6**	15963.000	47.16	13.63	54.0	-6.84	AV	335.00	100	Vertical	Pass
6	15963.000	54.89	13.63	74.0	-19.11	Peak	335.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1593.000	28.48	-16.22	54.0	-25.52	AV	264.00	100	Horizontal	Pass
1	1593.000	40.19	-16.22	74.0	-33.81	Peak	264.00	100	Horizontal	Pass
2**	2255.500	32.74	-10.89	54.0	-21.26	AV	222.00	100	Horizontal	Pass
2	2255.500	43.77	-10.89	74.0	-30.23	Peak	222.00	100	Horizontal	Pass
3**	5242.000	94.87	0.44	--	94.87	AV	137.00	100	Horizontal	N/A
3	5242.000	102.31	0.44	--	96.31	Peak	137.00	100	Horizontal	N/A
4**	8155.750	42.47	2.80	54.0	-11.53	AV	260.00	100	Horizontal	Pass
4	8155.750	53.45	2.80	74.0	-20.55	Peak	260.00	100	Horizontal	Pass
5**	12249.750	46.11	6.27	54.0	-7.89	AV	275.00	100	Horizontal	Pass
5	12249.750	57.08	6.27	74.0	-16.92	Peak	275.00	100	Horizontal	Pass
6**	15966.937	47.61	13.62	54.0	-6.39	AV	35.00	100	Horizontal	Pass
6	15966.937	54.59	13.62	74.0	-19.41	Peak	35.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1486.500	28.61	-16.34	54.0	-25.39	AV	242.00	100	Vertical	Pass
1	1486.500	39.39	-16.34	74.0	-34.61	Peak	242.00	100	Vertical	Pass
2**	4148.000	40.82	-1.26	54.0	-13.18	AV	233.00	100	Vertical	Pass
2	4148.000	51.26	-1.26	74.0	-22.74	Peak	233.00	100	Vertical	Pass
3**	5181.000	90.48	0.28	--	90.48	AV	280.00	100	Vertical	N/A
3	5181.000	98.77	0.28	--	92.77	Peak	280.00	100	Vertical	N/A
4**	7543.375	42.83	1.57	54.0	-11.17	AV	5.00	100	Vertical	Pass
4	7543.375	53.46	1.57	74.0	-20.54	Peak	5.00	100	Vertical	Pass
5**	12269.875	46.87	6.44	54.0	-7.13	AV	202.00	100	Vertical	Pass
5	12269.875	57.22	6.44	74.0	-16.78	Peak	202.00	100	Vertical	Pass
6**	15973.500	47.72	13.60	54.0	-6.28	AV	193.00	100	Vertical	Pass
6	15973.500	54.73	13.60	74.0	-19.27	Peak	193.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1336.500	28.04	-16.52	54.0	-25.96	AV	332.00	100	Horizontal	Pass
1	1336.500	39.01	-16.52	74.0	-34.99	Peak	332.00	100	Horizontal	Pass
2**	4095.000	40.40	-1.08	54.0	-13.60	AV	227.00	100	Horizontal	Pass
2	4095.000	52.14	-1.08	74.0	-21.86	Peak	227.00	100	Horizontal	Pass
3**	5179.000	91.71	0.40	--	91.71	AV	351.00	100	Horizontal	N/A
3	5179.000	99.35	0.40	--	85.35	Peak	351.00	100	Horizontal	N/A
4**	7313.375	42.45	0.58	54.0	-11.55	AV	127.00	100	Horizontal	Pass
4	7313.375	53.50	0.58	74.0	-20.50	Peak	127.00	100	Horizontal	Pass
5**	12351.813	46.12	5.94	54.0	-7.88	AV	195.00	100	Horizontal	Pass
5	12351.813	57.31	5.94	74.0	-16.69	Peak	195.00	100	Horizontal	Pass
6**	15969.563	47.49	13.61	54.0	-6.51	AV	325.00	100	Horizontal	Pass
6	15969.563	54.66	13.61	74.0	-19.34	Peak	325.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1524.000	28.73	-16.38	54.0	-25.27	AV	345.00	100	Vertical	Pass
1	1524.000	39.60	-16.38	74.0	-34.40	Peak	345.00	100	Vertical	Pass
2**	2810.000	34.99	-8.59	54.0	-19.01	AV	235.00	100	Vertical	Pass
2	2810.000	45.49	-8.59	74.0	-28.51	Peak	235.00	100	Vertical	Pass
3**	5221.000	90.59	-0.33	--	90.59	AV	321.00	100	Vertical	N/A
3	5221.000	99.23	-0.33	--	95.23	Peak	321.00	100	Vertical	N/A
4**	7411.125	40.84	0.21	54.0	-13.16	AV	7.00	100	Vertical	Pass
4	7411.125	52.48	0.21	74.0	-21.52	Peak	7.00	100	Vertical	Pass
5**	10908.562	44.90	5.31	54.0	-9.10	AV	86.00	100	Vertical	Pass
5	10908.562	56.24	5.31	74.0	-17.76	Peak	86.00	100	Vertical	Pass
6**	15976.125	47.66	13.59	54.0	-6.34	AV	70.00	100	Vertical	Pass
6	15976.125	55.84	13.59	74.0	-18.16	Peak	70.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1372.500	28.34	-16.55	54.0	-25.66	AV	64.00	100	Horizontal	Pass
1	1372.500	38.78	-16.55	74.0	-35.22	Peak	64.00	100	Horizontal	Pass
2**	2864.000	33.99	-9.04	54.0	-20.01	AV	226.00	100	Horizontal	Pass
2	2864.000	45.91	-9.04	74.0	-28.09	Peak	226.00	100	Horizontal	Pass
3**	5220.000	92.39	-0.32	--	92.39	AV	133.00	100	Horizontal	N/A
3	5220.000	100.00	-0.32	--	96.00	Peak	133.00	100	Horizontal	N/A
4**	7540.500	43.08	1.96	54.0	-10.92	AV	269.00	100	Horizontal	Pass
4	7540.500	53.65	1.96	74.0	-20.35	Peak	269.00	100	Horizontal	Pass
5**	12330.250	47.04	6.93	54.0	-6.96	AV	114.00	100	Horizontal	Pass
5	12330.250	56.87	6.93	74.0	-17.13	Peak	114.00	100	Horizontal	Pass
6**	15972.187	47.66	13.60	54.0	-6.34	AV	108.00	100	Horizontal	Pass
6	15972.187	54.59	13.60	74.0	-19.41	Peak	108.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1466.500	28.26	-16.37	54.0	-25.74	AV	144.00	100	Vertical	Pass
1	1466.500	39.18	-16.37	74.0	-34.82	Peak	144.00	100	Vertical	Pass
2**	4179.000	40.76	-1.02	54.0	-13.24	AV	248.00	100	Vertical	Pass
2	4179.000	51.14	-1.02	74.0	-22.86	Peak	248.00	100	Vertical	Pass
3**	5241.000	92.24	0.49	--	92.24	AV	335.00	100	Vertical	N/A
3	5241.000	100.52	0.49	--	89.52	Peak	335.00	100	Vertical	N/A
4**	7540.500	43.22	1.96	54.0	-10.78	AV	121.00	100	Vertical	Pass
4	7540.500	53.26	1.96	74.0	-20.74	Peak	121.00	100	Vertical	Pass
5**	11819.938	45.32	5.63	54.0	-8.68	AV	359.00	100	Vertical	Pass
5	11819.938	56.20	5.63	74.0	-17.80	Peak	359.00	100	Vertical	Pass
6**	15963.000	47.88	13.63	54.0	-6.12	AV	137.00	100	Vertical	Pass
6	15963.000	56.28	13.63	74.0	-17.72	Peak	137.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1605.500	28.46	-16.32		-25.54	AV	5.00	100	Horizontal	Pass
1	1605.500	40.26	-16.32	74.0	-33.74	Peak	5.00	100	Horizontal	Pass
2**	4111.000	41.16	-0.81	54.0	-12.84	AV	236.00	100	Horizontal	Pass
2	4111.000	51.78	-0.81	74.0	-22.22	Peak	236.00	100	Horizontal	Pass
3**	5242.000	93.37	0.44	--	93.37	AV	85.00	100	Horizontal	N/A
3	5242.000	100.81	0.44	--	85.81	Peak	85.00	100	Horizontal	N/A
4**	7533.313	43.34	1.92	54.0	-10.66	AV	130.00	100	Horizontal	Pass
4	7533.313	52.98	1.92	74.0	-21.02	Peak	130.00	100	Horizontal	Pass
5**	12336.000	47.18	6.60	54.0	-6.82	AV	28.00	100	Horizontal	Pass
5	12336.000	56.85	6.60	74.0	-17.15	Peak	28.00	100	Horizontal	Pass
6**	15973.500	47.88	13.60	54.0	-6.12	AV	232.00	100	Horizontal	Pass
6	15973.500	55.28	13.60	74.0	-18.72	Peak	232.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1517.000	28.73	-16.35	54.0	-25.27	AV	275.00	100	Vertical	Pass
1	1517.000	39.43	-16.35	74.0	-34.57	Peak	275.00	100	Vertical	Pass
2**	4095.000	40.62	-1.08	54.0	-13.38	AV	237.00	100	Vertical	Pass
2	4095.000	50.94	-1.08	74.0	-23.06	Peak	237.00	100	Vertical	Pass
3**	5194.000	89.31	0.19	--	89.31	AV	85.00	100	Vertical	N/A
3	5194.000	97.46	0.19	--	83.46	Peak	85.00	100	Vertical	N/A
4**	7539.062	43.55	2.01	54.0	-10.45	AV	48.00	100	Vertical	Pass
4	7539.062	52.64	2.01	74.0	-21.36	Peak	48.00	100	Vertical	Pass
5**	12304.375	46.50	7.00	54.0	-7.50	AV	227.00	100	Vertical	Pass
5	12304.375	56.81	7.00	74.0	-17.19	Peak	227.00	100	Vertical	Pass
6**	15965.625	47.59	13.62	54.0	-6.41	AV	274.00	100	Vertical	Pass
6	15965.625	53.82	13.62	74.0	-20.18	Peak	274.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1486.000	30.13	-16.33	54.0	-23.87	AV	247.00	100	Horizontal	Pass
1	1486.000	40.00	-16.33	74.0	-34.00	Peak	247.00	100	Horizontal	Pass
2**	4095.000	41.05	-1.08	54.0	-12.95	AV	222.00	100	Horizontal	Pass
2	4095.000	50.92	-1.08	74.0	-23.08	Peak	222.00	100	Horizontal	Pass
3**	5187.000	88.39	0.05	--	88.39	AV	191.00	100	Horizontal	N/A
3	5187.000	96.74	0.05	--	95.74	Peak	191.00	100	Horizontal	N/A
4**	7615.250	41.49	-0.24	54.0	-12.51	AV	22.00	100	Horizontal	Pass
4	7615.250	53.12	-0.24	74.0	-20.88	Peak	22.00	100	Horizontal	Pass
5**	12367.625	46.81	6.10	54.0	-7.19	AV	152.00	100	Horizontal	Pass
5	12367.625	57.58	6.10	74.0	-16.42	Peak	152.00	100	Horizontal	Pass
6**	15965.625	47.01	13.62	54.0	-6.99	AV	274.00	100	Horizontal	Pass
6	15965.625	55.51	13.62	74.0	-18.49	Peak	274.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1598.500	29.30	-16.33	54.0	-24.70	AV	226.00	100	Vertical	Pass
1	1598.500	39.68	-16.33	74.0	-34.32	Peak	226.00	100	Vertical	Pass
2**	4078.000	41.01	-0.52	54.0	-12.99	AV	247.00	100	Vertical	Pass
2	4078.000	51.00	-0.52	74.0	-23.00	Peak	247.00	100	Vertical	Pass
3**	5236.000	90.02	0.20	--	90.02	AV	358.00	100	Vertical	N/A
3	5236.000	98.65	0.20	--	88.65	Peak	358.00	100	Vertical	N/A
4**	7529.000	42.68	1.47	54.0	-11.32	AV	24.00	100	Vertical	Pass
4	7529.000	53.00	1.47	74.0	-21.00	Peak	24.00	100	Vertical	Pass
5**	12333.125	46.76	6.76	54.0	-7.24	AV	254.00	100	Vertical	Pass
5	12333.125	57.18	6.76	74.0	-16.82	Peak	254.00	100	Vertical	Pass
6**	15968.250	47.68	13.61	54.0	-6.32	AV	42.00	100	Vertical	Pass
6	15968.250	54.82	13.61	74.0	-19.18	Peak	42.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1460.000	28.53	-16.26	54.0	-25.47	AV	280.00	100	Horizontal	Pass
1	1460.000	39.01	-16.26	74.0	-34.99	Peak	280.00	100	Horizontal	Pass
2**	4092.000	40.65	-1.16	54.0	-13.35	AV	224.00	100	Horizontal	Pass
2	4092.000	50.42	-1.16	74.0	-23.58	Peak	224.00	100	Horizontal	Pass
3**	5236.000	89.79	0.20	--	89.79	AV	79.00	100	Horizontal	N/A
3	5236.000	97.79	0.20	--	83.79	Peak	79.00	100	Horizontal	N/A
4**	7623.875	41.89	-0.03	54.0	-12.11	AV	337.00	100	Horizontal	Pass
4	7623.875	53.20	-0.03	74.0	-20.80	Peak	337.00	100	Horizontal	Pass
5**	12285.688	46.07	7.12	54.0	-7.93	AV	35.00	100	Horizontal	Pass
5	12285.688	57.35	7.12	74.0	-16.65	Peak	35.00	100	Horizontal	Pass
6**	15969.563	47.38	13.61	54.0	-6.62	AV	281.00	100	Horizontal	Pass
6	15969.563	56.20	13.61	74.0	-17.80	Peak	281.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1348.000	28.92	-16.24	54.0	-25.08	AV	344.00	100	Vertical	Pass
1	1348.000	40.22	-16.24	74.0	-33.78	Peak	344.00	100	Vertical	Pass
2**	4095.000	40.82	-1.08	54.0	-13.18	AV	38.00	100	Vertical	Pass
2	4095.000	51.93	-1.08	74.0	-22.07	Peak	38.00	100	Vertical	Pass
3**	5259.000	94.63	0.41	--	94.63	AV	137.00	100	Vertical	N/A
3	5259.000	103.01	0.41	--	-33.99	Peak	137.00	100	Vertical	N/A
4**	7366.562	42.96	0.96	54.0	-11.04	AV	148.00	100	Vertical	Pass
4	7366.562	53.67	0.96	74.0	-20.33	Peak	148.00	100	Vertical	Pass
5**	12341.750	47.06	6.30	54.0	-6.94	AV	30.00	100	Vertical	Pass
5	12341.750	57.65	6.30	74.0	-16.35	Peak	30.00	100	Vertical	Pass
6**	15965.625	47.51	13.62	54.0	-6.49	AV	116.00	100	Vertical	Pass
6	15965.625	56.60	13.62	74.0	-17.40	Peak	116.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1499.000	28.41	-16.47	54.0	-25.59	AV	42.00	100	Horizontal	Pass
1	1499.000	39.95	-16.47	74.0	-34.05	Peak	42.00	100	Horizontal	Pass
2**	2738.000	34.68	-8.62	54.0	-19.32	AV	123.00	100	Horizontal	Pass
2	2738.000	45.34	-8.62	74.0	-28.66	Peak	123.00	100	Horizontal	Pass
3**	5259.000	94.91	0.41	--	94.91	AV	74.00	100	Horizontal	N/A
3	5259.000	103.08	0.41	--	29.08	Peak	74.00	100	Horizontal	N/A
4**	8129.875	42.85	1.89	54.0	-11.15	AV	0.00	100	Horizontal	Pass
4	8129.875	54.07	1.89	74.0	-19.93	Peak	0.00	100	Horizontal	Pass
5**	12403.562	46.36	5.92	54.0	-7.64	AV	277.00	100	Horizontal	Pass
5	12403.562	57.65	5.92	74.0	-16.35	Peak	277.00	100	Horizontal	Pass
6**	15964.313	47.84	13.63	54.0	-6.16	AV	316.00	100	Horizontal	Pass
6	15964.313	55.10	13.63	74.0	-18.90	Peak	316.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1544.000	28.50	-16.50	54.0	-25.50	AV	155.00	100	Vertical	Pass
1	1544.000	40.05	-16.50	74.0	-33.95	Peak	155.00	100	Vertical	Pass
2**	4094.000	40.84	-1.25	54.0	-13.16	AV	193.00	100	Vertical	Pass
2	4094.000	51.03	-1.25	74.0	-22.97	Peak	193.00	100	Vertical	Pass
3**	5298.000	85.67	-0.20	--	85.67	AV	94.00	100	Vertical	N/A
3	5298.000	93.57	-0.20	--	84.57	Peak	94.00	100	Vertical	N/A
4**	7333.500	42.85	0.67	54.0	-11.15	AV	20.00	100	Vertical	Pass
4	7333.500	53.52	0.67	74.0	-20.48	Peak	20.00	100	Vertical	Pass
5**	10851.063	46.13	5.19	54.0	-7.87	AV	275.00	100	Vertical	Pass
5	10851.063	56.25	5.19	74.0	-17.75	Peak	275.00	100	Vertical	Pass
6**	15965.625	47.55	13.62	54.0	-6.45	AV	142.00	100	Vertical	Pass
6	15965.625	54.95	13.62	74.0	-19.05	Peak	142.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1539.000	28.45	-16.39	54.0	-25.55	AV	8.00	100	Horizontal	Pass
1	1539.000	38.78	-16.39	74.0	-35.22	Peak	8.00	100	Horizontal	Pass
2**	4260.000	41.09	-1.32	54.0	-12.91	AV	294.00	100	Horizontal	Pass
2	4260.000	51.95	-1.32	74.0	-22.05	Peak	294.00	100	Horizontal	Pass
3**	5301.000	94.15	-0.35	--	94.15	AV	105.00	100	Horizontal	N/A
3	5301.000	102.61	-0.35	--	90.61	Peak	105.00	100	Horizontal	N/A
4**	7534.750	43.07	2.01	54.0	-10.93	AV	278.00	100	Horizontal	Pass
4	7534.750	53.33	2.01	74.0	-20.67	Peak	278.00	100	Horizontal	Pass
5**	12258.375	46.86	6.58	54.0	-7.14	AV	206.00	100	Horizontal	Pass
5	12258.375	57.01	6.58	74.0	-16.99	Peak	206.00	100	Horizontal	Pass
6**	15961.687	47.45	13.63	54.0	-6.55	AV	2.00	100	Horizontal	Pass
6	15961.687	55.69	13.63	74.0	-18.31	Peak	2.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1322.500	28.08	-16.35	54.0	-25.92	AV	264.00	100	Vertical	Pass
1	1322.500	39.67	-16.35	74.0	-34.33	Peak	264.00	100	Vertical	Pass
2**	4272.000	40.71	-1.23	54.0	-13.29	AV	253.00	100	Vertical	Pass
2	4272.000	51.38	-1.23	74.0	-22.62	Peak	253.00	100	Vertical	Pass
3**	5320.000	90.76	-0.92	--	90.76	AV	87.00	100	Vertical	N/A
3	5320.000	98.96	-0.92	--	83.96	Peak	87.00	100	Vertical	N/A
4**	7529.000	42.94	1.47	54.0	-11.06	AV	229.00	100	Vertical	Pass
4	7529.000	53.16	1.47	74.0	-20.84	Peak	229.00	100	Vertical	Pass
5**	12334.562	46.96	6.68	54.0	-7.04	AV	28.00	100	Vertical	Pass
5	12334.562	56.62	6.68	74.0	-17.38	Peak	28.00	100	Vertical	Pass
6**	15968.250	47.47	13.61	54.0	-6.53	AV	264.00	100	Vertical	Pass
6	15968.250	54.88	13.61	74.0	-19.12	Peak	264.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1485.500	30.52	-16.35	54.0	-23.48	AV	104.00	100	Horizontal	Pass
1	1485.500	38.73	-16.35	74.0	-35.27	Peak	104.00	100	Horizontal	Pass
2**	4069.000	40.40	-1.41	54.0	-13.60	AV	55.00	100	Horizontal	Pass
2	4069.000	50.46	-1.41	74.0	-23.54	Peak	55.00	100	Horizontal	Pass
3**	5321.000	94.38	-0.91	--	94.38	AV	109.00	100	Horizontal	N/A
3	5321.000	102.47	-0.91	--	89.47	Peak	109.00	100	Horizontal	N/A
4**	7531.875	42.91	1.66	54.0	-11.09	AV	94.00	100	Horizontal	Pass
4	7531.875	53.12	1.66	74.0	-20.88	Peak	94.00	100	Horizontal	Pass
5**	10849.625	46.18	5.18	54.0	-7.82	AV	125.00	100	Horizontal	Pass
5	10849.625	56.49	5.18	74.0	-17.51	Peak	125.00	100	Horizontal	Pass
6**	15970.875	47.60	13.61	54.0	-6.40	AV	51.00	100	Horizontal	Pass
6	15970.875	56.66	13.61	74.0	-17.34	Peak	51.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1565.000	28.61	-16.28	54.0	-25.39	AV	276.00	100	Vertical	Pass
1	1565.000	38.98	-16.28	74.0	-35.02	Peak	276.00	100	Vertical	Pass
2**	4096.000	40.55	-1.22	54.0	-13.45	AV	208.00	100	Vertical	Pass
2	4096.000	50.96	-1.22	74.0	-23.04	Peak	208.00	100	Vertical	Pass
3**	5261.000	87.48	0.58	--	87.48	AV	105.00	100	Vertical	N/A
3	5261.000	95.77	0.58	--	80.77	Peak	105.00	100	Vertical	N/A
4**	7539.062	43.48	2.01	54.0	-10.52	AV	227.00	100	Vertical	Pass
4	7539.062	53.60	2.01	74.0	-20.40	Peak	227.00	100	Vertical	Pass
5**	12290.000	46.52	7.39	54.0	-7.48	AV	193.00	100	Vertical	Pass
5	12290.000	56.83	7.39	74.0	-17.17	Peak	193.00	100	Vertical	Pass
6**	15974.813	47.90	13.59	54.0	-6.10	AV	142.00	100	Vertical	Pass
6	15974.813	54.86	13.59	74.0	-19.14	Peak	142.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1528.000	29.17	-16.44	54.0	-24.83	AV	142.00	100	Horizontal	Pass
1	1528.000	38.73	-16.44	74.0	-35.27	Peak	142.00	100	Horizontal	Pass
2**	4077.000	40.72	-0.75	54.0	-13.28	AV	195.00	100	Horizontal	Pass
2	4077.000	50.72	-0.75	74.0	-23.28	Peak	195.00	100	Horizontal	Pass
3**	5262.000	94.58	0.59	--	94.58	AV	105.00	100	Horizontal	N/A
3	5262.000	101.81	0.59	--	87.81	Peak	105.00	100	Horizontal	N/A
4**	7363.687	43.15	0.88	54.0	-10.85	AV	48.00	100	Horizontal	Pass
4	7363.687	53.28	0.88	74.0	-20.72	Peak	48.00	100	Horizontal	Pass
5**	10833.812	45.34	4.89	54.0	-8.66	AV	320.00	100	Horizontal	Pass
5	10833.812	56.45	4.89	74.0	-17.55	Peak	320.00	100	Horizontal	Pass
6**	15745.125	47.42	11.27	54.0	-6.58	AV	328.00	100	Horizontal	Pass
6	15745.125	53.64	11.27	74.0	-20.36	Peak	328.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1527.500	29.32	-16.46	54.0	-24.68	AV	153.00	100	Vertical	Pass
1	1527.500	39.54	-16.46	74.0	-34.46	Peak	153.00	100	Vertical	Pass
2**	4135.000	40.50	-1.75	54.0	-13.50	AV	326.00	100	Vertical	Pass
2	4135.000	50.78	-1.75	74.0	-23.22	Peak	326.00	100	Vertical	Pass
3**	5301.000	84.76	-0.35	--	84.76	AV	98.00	100	Vertical	N/A
3	5301.000	93.04	-0.35	--	79.04	Peak	98.00	100	Vertical	N/A
4**	7327.750	42.62	1.02	54.0	-11.38	AV	92.00	100	Vertical	Pass
4	7327.750	53.96	1.02	74.0	-20.04	Peak	92.00	100	Vertical	Pass
5**	11588.500	46.03	5.51	54.0	-7.97	AV	108.00	100	Vertical	Pass
5	11588.500	57.21	5.51	74.0	-16.79	Peak	108.00	100	Vertical	Pass
6**	15965.625	47.44	13.62	54.0	-6.56	AV	123.00	100	Vertical	Pass
6	15965.625	54.27	13.62	74.0	-19.73	Peak	123.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1589.500	27.99	-16.34	54.0	-26.01	AV	209.00	100	Horizontal	Pass
1	1589.500	38.96	-16.34	74.0	-35.04	Peak	209.00	100	Horizontal	Pass
2**	4079.000	41.09	-0.62	54.0	-12.91	AV	84.00	100	Horizontal	Pass
2	4079.000	51.17	-0.62	74.0	-22.83	Peak	84.00	100	Horizontal	Pass
3**	5301.000	92.77	-0.35	--	92.77	AV	111.00	100	Horizontal	N/A
3	5301.000	101.00	-0.35	--	90.00	Peak	111.00	100	Horizontal	N/A
4**	7494.500	42.17	1.05	54.0	-11.83	AV	297.00	100	Horizontal	Pass
4	7494.500	52.76	1.05	74.0	-21.24	Peak	297.00	100	Horizontal	Pass
5**	12274.187	46.87	6.58	54.0	-7.13	AV	143.00	100	Horizontal	Pass
5	12274.187	57.09	6.58	74.0	-16.91	Peak	143.00	100	Horizontal	Pass
6**	15964.313	47.35	13.63	54.0	-6.65	AV	299.00	100	Horizontal	Pass
6	15964.313	54.77	13.63	74.0	-19.23	Peak	299.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1481.000	28.74	-16.35	54.0	-25.26	AV	352.00	100	Vertical	Pass
1	1481.000	39.19	-16.35	74.0	-34.81	Peak	352.00	100	Vertical	Pass
2**	4144.000	40.98	-1.41	54.0	-13.02	AV	245.00	100	Vertical	Pass
2	4144.000	52.10	-1.41	74.0	-21.90	Peak	245.00	100	Vertical	Pass
3**	5323.000	85.96	-0.99	--	85.96	AV	100.00	100	Vertical	N/A
3	5323.000	93.81	-0.99	--	92.81	Peak	100.00	100	Vertical	N/A
4**	7527.563	42.80	1.40	54.0	-11.20	AV	336.00	100	Vertical	Pass
4	7527.563	53.39	1.40	74.0	-20.61	Peak	336.00	100	Vertical	Pass
5**	12290.000	46.50	7.39	54.0	-7.50	AV	316.00	100	Vertical	Pass
5	12290.000	57.54	7.39	74.0	-16.46	Peak	316.00	100	Vertical	Pass
6**	15974.813	47.78	13.59	54.0	-6.22	AV	313.00	100	Vertical	Pass
6	15974.813	55.00	13.59	74.0	-19.00	Peak	313.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1581.000	28.39	-16.31	54.0	-25.61	AV	29.00	100	Horizontal	Pass
1	1581.000	39.08	-16.31	74.0	-34.92	Peak	29.00	100	Horizontal	Pass
2**	4078.000	41.16	-0.52	54.0	-12.84	AV	348.00	100	Horizontal	Pass
2	4078.000	51.71	-0.52	74.0	-22.29	Peak	348.00	100	Horizontal	Pass
3**	5319.000	93.61	-0.93	--	93.61	AV	92.00	100	Horizontal	N/A
3	5319.000	101.31	-0.93	--	97.31	Peak	92.00	100	Horizontal	N/A
4**	7294.688	42.89	1.71	54.0	-11.11	AV	22.00	100	Horizontal	Pass
4	7294.688	53.63	1.71	74.0	-20.37	Peak	22.00	100	Horizontal	Pass
5**	12498.437	47.03	6.51	54.0	-6.97	AV	141.00	100	Horizontal	Pass
5	12498.437	58.00	6.51	74.0	-16.00	Peak	141.00	100	Horizontal	Pass
6**	15970.875	47.92	13.61	54.0	-6.08	AV	217.00	100	Horizontal	Pass
6	15970.875	54.51	13.61	74.0	-19.49	Peak	217.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1514.000	28.56	-16.47	54.0	-25.44	AV	262.00	100	Vertical	Pass
1	1514.000	39.34	-16.47	74.0	-34.66	Peak	262.00	100	Vertical	Pass
2**	4088.000	41.04	-0.80	54.0	-12.96	AV	318.00	100	Vertical	Pass
2	4088.000	51.07	-0.80	74.0	-22.93	Peak	318.00	100	Vertical	Pass
3**	5266.000	85.52	0.86	--	85.52	AV	86.00	100	Vertical	N/A
3	5266.000	93.26	0.86	--	88.26	Peak	86.00	100	Vertical	N/A
4**	7455.688	41.61	0.20	54.0	-12.39	AV	273.00	100	Vertical	Pass
4	7455.688	53.71	0.20	74.0	-20.29	Peak	273.00	100	Vertical	Pass
5**	11851.563	46.10	6.06	54.0	-7.90	AV	335.00	100	Vertical	Pass
5	11851.563	56.54	6.06	74.0	-17.46	Peak	335.00	100	Vertical	Pass
6**	15728.062	47.12	11.05	54.0	-6.88	AV	176.00	100	Vertical	Pass
6	15728.062	54.05	11.05	74.0	-19.95	Peak	176.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1540.000	28.32	-16.40	54.0	-25.68	AV	335.00	100	Horizontal	Pass
1	1540.000	39.37	-16.40	74.0	-34.63	Peak	335.00	100	Horizontal	Pass
2**	4109.000	40.98	-0.81	54.0	-13.02	AV	185.00	100	Horizontal	Pass
2	4109.000	50.39	-0.81	74.0	-23.61	Peak	185.00	100	Horizontal	Pass
3**	5268.000	91.78	0.84	--	91.78	AV	104.00	100	Horizontal	N/A
3	5268.000	99.39	0.84	--	89.39	Peak	104.00	100	Horizontal	N/A
4**	7533.313	43.25	1.92	54.0	-10.75	AV	183.00	100	Horizontal	Pass
4	7533.313	53.31	1.92	74.0	-20.69	Peak	183.00	100	Horizontal	Pass
5**	12399.250	46.12	5.89	54.0	-7.88	AV	218.00	100	Horizontal	Pass
5	12399.250	57.12	5.89	74.0	-16.88	Peak	218.00	100	Horizontal	Pass
6**	15735.937	47.02	11.30	54.0	-6.98	AV	8.00	100	Horizontal	Pass
6	15735.937	55.32	11.30	74.0	-18.68	Peak	8.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1544.500	28.77	-16.52	54.0	-25.23	AV	141.00	100	Vertical	Pass
1	1544.500	39.19	-16.52	74.0	-34.81	Peak	141.00	100	Vertical	Pass
2**	3995.000	39.81	-2.77	54.0	-14.19	AV	109.00	100	Vertical	Pass
2	3995.000	50.44	-2.77	74.0	-23.56	Peak	109.00	100	Vertical	Pass
3**	5308.000	83.31	-0.33	--	83.31	AV	109.00	100	Vertical	N/A
3	5308.000	91.25	-0.33	--	82.25	Peak	109.00	100	Vertical	N/A
4**	7533.313	43.46	1.92	54.0	-10.54	AV	107.00	100	Vertical	Pass
4	7533.313	52.61	1.92	74.0	-21.39	Peak	107.00	100	Vertical	Pass
5**	12272.750	46.66	6.53	54.0	-7.34	AV	101.00	100	Vertical	Pass
5	12272.750	56.99	6.53	74.0	-17.01	Peak	101.00	100	Vertical	Pass
6**	15972.187	47.84	13.60	54.0	-6.16	AV	7.00	100	Vertical	Pass
6	15972.187	54.92	13.60	74.0	-19.08	Peak	7.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1485.500	30.91	-16.35	54.0	-23.09	AV	296.00	100	Horizontal	Pass
1	1485.500	39.53	-16.35	74.0	-34.47	Peak	296.00	100	Horizontal	Pass
2**	4187.000	40.93	-1.24	54.0	-13.07	AV	191.00	100	Horizontal	Pass
2	4187.000	51.31	-1.24	74.0	-22.69	Peak	191.00	100	Horizontal	Pass
3**	5300.000	89.13	-0.20	--	89.13	AV	88.00	100	Horizontal	N/A
3	5300.000	99.09	-0.20	--	91.09	Peak	88.00	100	Horizontal	N/A
4**	7366.562	43.03	0.96	54.0	-10.97	AV	175.00	100	Horizontal	Pass
4	7366.562	53.36	0.96	74.0	-20.64	Peak	175.00	100	Horizontal	Pass
5**	12287.126	46.46	7.21	54.0	-7.54	AV	141.00	100	Horizontal	Pass
5	12287.126	57.17	7.21	74.0	-16.83	Peak	141.00	100	Horizontal	Pass
6**	15972.187	47.55	13.60	54.0	-6.45	AV	27.00	100	Horizontal	Pass
6	15972.187	55.53	13.60	74.0	-18.47	Peak	27.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1536.500	28.93	-16.33	54.0	-25.07	AV	1.00	100	Vertical	Pass
1	1536.500	39.85	-16.33	74.0	-34.15	Peak	1.00	100	Vertical	Pass
2**	4092.000	40.65	-1.16	54.0	-13.35	AV	197.00	100	Vertical	Pass
2	4092.000	50.71	-1.16	74.0	-23.29	Peak	197.00	100	Vertical	Pass
3**	5497.000	97.40	1.26	--	97.40	AV	146.00	100	Vertical	N/A
3	5497.000	105.86	1.26	--	-40.14	Peak	146.00	100	Vertical	N/A
4**	7534.750	43.74	2.01	54.0	-10.26	AV	309.00	100	Vertical	Pass
4	7534.750	54.22	2.01	74.0	-19.78	Peak	309.00	100	Vertical	Pass
5**	12264.125	47.10	6.55	54.0	-6.90	AV	220.00	100	Vertical	Pass
5	12264.125	57.55	6.55	74.0	-16.45	Peak	220.00	100	Vertical	Pass
6**	15964.313	47.17	13.63	54.0	-6.83	AV	208.00	100	Vertical	Pass
6	15964.313	55.72	13.63	74.0	-18.28	Peak	208.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1485.500	30.43	-16.35	54.0	-23.57	AV	353.00	100	Horizontal	Pass
1	1485.500	40.19	-16.35	74.0	-33.81	Peak	353.00	100	Horizontal	Pass
2**	4095.000	42.09	-1.08	54.0	-11.91	AV	207.00	100	Horizontal	Pass
2	4095.000	51.11	-1.08	74.0	-22.89	Peak	207.00	100	Horizontal	Pass
3**	5497.000	96.19	1.26	--	96.19	AV	78.00	100	Horizontal	N/A
3	5497.000	105.23	1.26	--	27.23	Peak	78.00	100	Horizontal	N/A
4**	7332.063	43.13	0.90	54.0	-10.87	AV	16.00	100	Horizontal	Pass
4	7332.063	53.20	0.90	74.0	-20.80	Peak	16.00	100	Horizontal	Pass
5**	12328.813	47.21	6.93	54.0	-6.79	AV	132.00	100	Horizontal	Pass
5	12328.813	58.16	6.93	74.0	-15.84	Peak	132.00	100	Horizontal	Pass
6**	15972.187	47.94	13.60	54.0	-6.06	AV	91.00	100	Horizontal	Pass
6	15972.187	55.24	13.60	74.0	-18.76	Peak	91.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1581.500	28.42	-16.31	54.0	-25.58	AV	45.00	100	Vertical	Pass
1	1581.500	39.83	-16.31	74.0	-34.17	Peak	45.00	100	Vertical	Pass
2**	4136.000	40.19	-1.65	54.0	-13.81	AV	290.00	100	Vertical	Pass
2	4136.000	51.11	-1.65	74.0	-22.89	Peak	290.00	100	Vertical	Pass
3**	5578.000	98.86	0.88	--	98.86	AV	98.00	100	Vertical	N/A
3	5578.000	106.73	0.88	--	96.73	Peak	98.00	100	Vertical	N/A
4**	7324.875	43.07	0.83	54.0	-10.93	AV	0.00	100	Vertical	Pass
4	7324.875	53.19	0.83	74.0	-20.81	Peak	0.00	100	Vertical	Pass
5**	12256.938	46.29	6.53	54.0	-7.71	AV	42.00	100	Vertical	Pass
5	12256.938	57.78	6.53	74.0	-16.22	Peak	42.00	100	Vertical	Pass
6**	15951.188	47.64	13.61	54.0	-6.36	AV	165.00	100	Vertical	Pass
6	15951.188	55.35	13.61	74.0	-18.65	Peak	165.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1545.500	28.04	-16.50	54.0	-25.96	AV	172.00	100	Horizontal	Pass
1	1545.500	39.08	-16.50	74.0	-34.92	Peak	172.00	100	Horizontal	Pass
2**	4092.000	40.35	-1.16	54.0	-13.65	AV	234.00	100	Horizontal	Pass
2	4092.000	50.76	-1.16	74.0	-23.24	Peak	234.00	100	Horizontal	Pass
3**	5578.000	96.27	0.88	--	96.27	AV	103.00	100	Horizontal	N/A
3	5578.000	104.10	0.88	--	89.10	Peak	103.00	100	Horizontal	N/A
4**	8242.000	42.58	1.64	54.0	-11.42	AV	256.00	100	Horizontal	Pass
4	8242.000	53.37	1.64	74.0	-20.63	Peak	256.00	100	Horizontal	Pass
5**	12338.875	47.24	6.44	54.0	-6.76	AV	89.00	100	Horizontal	Pass
5	12338.875	57.17	6.44	74.0	-16.83	Peak	89.00	100	Horizontal	Pass
6**	15960.375	47.60	13.64	54.0	-6.40	AV	38.00	100	Horizontal	Pass
6	15960.375	55.52	13.64	74.0	-18.48	Peak	38.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1566.500	28.41	-16.40	54.0	-25.59	AV	51.00	100	Vertical	Pass
1	1566.500	38.81	-16.40	74.0	-35.19	Peak	51.00	100	Vertical	Pass
2**	4088.000	40.85	-0.80	54.0	-13.15	AV	186.00	100	Vertical	Pass
2	4088.000	50.76	-0.80	74.0	-23.24	Peak	186.00	100	Vertical	Pass
3**	5698.000	98.78	0.53	--	98.78	AV	96.00	100	Vertical	N/A
3	5698.000	107.14	0.53	--	104.14	Peak	96.00	100	Vertical	N/A
4**	7546.250	42.56	1.40	54.0	-11.44	AV	212.00	100	Vertical	Pass
4	7546.250	53.84	1.40	74.0	-20.16	Peak	212.00	100	Vertical	Pass
5**	12338.875	46.73	6.44	54.0	-7.27	AV	9.00	100	Vertical	Pass
5	12338.875	57.28	6.44	74.0	-16.72	Peak	9.00	100	Vertical	Pass
6**	15977.437	47.11	13.59	54.0	-6.89	AV	198.00	100	Vertical	Pass
6	15977.437	55.88	13.59	74.0	-18.12	Peak	198.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1501.500	28.27	-16.56	54.0	-25.73	AV	273.00	100	Horizontal	Pass
1	1501.500	39.29	-16.56	74.0	-34.71	Peak	273.00	100	Horizontal	Pass
2**	4188.000	40.80	-1.19	54.0	-13.20	AV	309.00	100	Horizontal	Pass
2	4188.000	51.74	-1.19	74.0	-22.26	Peak	309.00	100	Horizontal	Pass
3**	5699.000	96.08	0.65	--	96.08	AV	93.00	100	Horizontal	N/A
3	5699.000	103.80	0.65	--	90.80	Peak	93.00	100	Horizontal	N/A
4**	8405.875	43.45	1.67	54.0	-10.55	AV	183.00	100	Horizontal	Pass
4	8405.875	54.07	1.67	74.0	-19.93	Peak	183.00	100	Horizontal	Pass
5**	12241.125	46.06	5.69	54.0	-7.94	AV	166.00	100	Horizontal	Pass
5	12241.125	57.26	5.69	74.0	-16.74	Peak	166.00	100	Horizontal	Pass
6**	15965.625	47.01	13.62	54.0	-6.99	AV	359.00	100	Horizontal	Pass
6	15965.625	55.90	13.62	74.0	-18.10	Peak	359.00	100	Horizontal	Pass

1 GHz to 18 GHz, Band III 11a ANT V High channel-144

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1488.000	28.58	-16.36	54.0	-25.42	AV	126.00	100	Vertical	Pass
1	1488.000	39.62	-16.36	74.0	-34.38	Peak	126.00	100	Vertical	Pass
2**	4090.000	41.05	-0.80	54.0	-12.95	AV	150.00	100	Vertical	Pass
2	4090.000	50.66	-0.80	74.0	-23.34	Peak	150.00	100	Vertical	Pass
3**	5721.000	99.32	0.67	--	99.32	AV	89.00	100	Vertical	N/A
3	5721.000	108.04	0.67	--	99.04	Peak	89.00	100	Vertical	N/A
4**	7544.813	42.91	1.50	54.0	-11.09	AV	210.00	100	Vertical	Pass
4	7544.813	53.16	1.50	74.0	-20.84	Peak	210.00	100	Vertical	Pass
5**	12261.250	46.82	6.61	54.0	-7.18	AV	95.00	100	Vertical	Pass
5	12261.250	56.72	6.61	74.0	-17.28	Peak	95.00	100	Vertical	Pass
6**	15972.187	47.34	13.60	54.0	-6.66	AV	185.00	100	Vertical	Pass
6	15972.187	56.23	13.60	74.0	-17.77	Peak	185.00	100	Vertical	Pass

1 GHz to 18 GHz, Band III 11a ANT H High channel-144

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1459.500	28.83	-16.29	54.0	-25.17	AV	99.00	100	Horizontal	Pass
1	1459.500	39.53	-16.29	74.0	-34.47	Peak	99.00	100	Horizontal	Pass
2**	4186.000	40.62	-1.18	54.0	-13.38	AV	47.00	100	Horizontal	Pass
2	4186.000	50.87	-1.18	74.0	-23.13	Peak	47.00	100	Horizontal	Pass
3**	5719.000	96.16	0.82	--	96.16	AV	107.00	100	Horizontal	N/A
3	5719.000	103.75	0.82	--	89.75	Peak	107.00	100	Horizontal	N/A
4**	7488.750	42.19	0.60	54.0	-11.81	AV	77.00	100	Horizontal	Pass
4	7488.750	52.72	0.60	74.0	-21.28	Peak	77.00	100	Horizontal	Pass
5**	12386.312	46.60	5.74	54.0	-7.40	AV	107.00	100	Horizontal	Pass
5	12386.312	57.95	5.74	74.0	-16.05	Peak	107.00	100	Horizontal	Pass
6**	15964.313	47.51	13.63	54.0	-6.49	AV	259.00	100	Horizontal	Pass
6	15964.313	55.08	13.63	74.0	-18.92	Peak	259.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1598.000	29.24	-16.34	54.0	-24.76	AV	270.00	100	Vertical	Pass
1	1598.000	40.59	-16.34	74.0	-33.41	Peak	270.00	100	Vertical	Pass
2**	4310.000	40.65	-0.95	54.0	-13.35	AV	77.00	100	Vertical	Pass
2	4310.000	52.54	-0.95	74.0	-21.46	Peak	77.00	100	Vertical	Pass
3**	5501.000	96.83	0.73	--	96.83	AV	93.00	100	Vertical	N/A
3	5501.000	105.18	0.73	--	90.18	Peak	93.00	100	Vertical	N/A
4**	7534.750	43.52	2.01	54.0	-10.48	AV	233.00	100	Vertical	Pass
4	7534.750	52.89	2.01	74.0	-21.11	Peak	233.00	100	Vertical	Pass
5**	12255.500	46.41	6.48	54.0	-7.59	AV	312.00	100	Vertical	Pass
5	12255.500	56.67	6.48	74.0	-17.33	Peak	312.00	100	Vertical	Pass
6**	15970.875	47.29	13.61	54.0	-6.71	AV	114.00	100	Vertical	Pass
6	15970.875	56.38	13.61	74.0	-17.62	Peak	114.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1552.000	28.17	-16.27	54.0	-25.83	AV	118.00	100	Horizontal	Pass
1	1552.000	39.14	-16.27	74.0	-34.86	Peak	118.00	100	Horizontal	Pass
2**	4084.000	40.47	-0.67	54.0	-13.53	AV	21.00	100	Horizontal	Pass
2	4084.000	51.39	-0.67	74.0	-22.61	Peak	21.00	100	Horizontal	Pass
3**	5499.000	95.73	0.92	--	95.73	AV	112.00	100	Horizontal	N/A
3	5499.000	104.31	0.92	--	89.31	Peak	112.00	100	Horizontal	N/A
4**	7537.625	43.27	1.77	54.0	-10.73	AV	179.00	100	Horizontal	Pass
4	7537.625	53.20	1.77	74.0	-20.80	Peak	179.00	100	Horizontal	Pass
5**	11850.125	46.06	6.10	54.0	-7.94	AV	7.00	100	Horizontal	Pass
5	11850.125	56.74	6.10	74.0	-17.26	Peak	7.00	100	Horizontal	Pass
6**	15970.875	47.32	13.61	54.0	-6.68	AV	58.00	100	Horizontal	Pass
6	15970.875	55.16	13.61	74.0	-18.84	Peak	58.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1529.000	28.35	-16.43	54.0	-25.65	AV	116.00	100	Vertical	Pass
1	1529.000	38.72	-16.43	74.0	-35.28	Peak	116.00	100	Vertical	Pass
2**	4078.000	40.90	-0.52	54.0	-13.10	AV	198.00	100	Vertical	Pass
2	4078.000	50.68	-0.52	74.0	-23.32	Peak	198.00	100	Vertical	Pass
3**	5578.000	97.74	0.88	--	97.74	AV	116.00	100	Vertical	N/A
3	5578.000	105.73	0.88	--	91.73	Peak	116.00	100	Vertical	N/A
4**	7537.625	43.39	1.77	54.0	-10.61	AV	247.00	100	Vertical	Pass
4	7537.625	53.60	1.77	74.0	-20.40	Peak	247.00	100	Vertical	Pass
5**	12267.000	46.58	6.50	54.0	-7.42	AV	154.00	100	Vertical	Pass
5	12267.000	57.27	6.50	74.0	-16.73	Peak	154.00	100	Vertical	Pass
6**	15970.875	47.55	13.61	54.0	-6.45	AV	174.00	100	Vertical	Pass
6	15970.875	54.55	13.61	74.0	-19.45	Peak	174.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1485.000	29.34	-16.43	54.0	-24.66	AV	224.00	100	Horizontal	Pass
1	1485.000	38.89	-16.43	74.0	-35.11	Peak	224.00	100	Horizontal	Pass
2**	4095.000	40.90	-1.08	54.0	-13.10	AV	87.00	100	Horizontal	Pass
2	4095.000	51.81	-1.08	74.0	-22.19	Peak	87.00	100	Horizontal	Pass
3**	5579.000	95.17	0.75	--	95.17	AV	101.00	100	Horizontal	N/A
3	5579.000	102.89	0.75	--	92.89	Peak	101.00	100	Horizontal	N/A
4**	7534.750	43.36	2.01	54.0	-10.64	AV	109.00	100	Horizontal	Pass
4	7534.750	52.89	2.01	74.0	-21.11	Peak	109.00	100	Horizontal	Pass
5**	12288.562	46.45	7.30	54.0	-7.55	AV	256.00	100	Horizontal	Pass
5	12288.562	57.00	7.30	74.0	-17.00	Peak	256.00	100	Horizontal	Pass
6**	15966.937	47.21	13.62	54.0	-6.79	AV	89.00	100	Horizontal	Pass
6	15966.937	54.62	13.62	74.0	-19.38	Peak	89.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1566.500	28.45	-16.40	54.0	-25.55	AV	30.00	100	Vertical	Pass
1	1566.500	39.11	-16.40	74.0	-34.89	Peak	30.00	100	Vertical	Pass
2**	4188.000	40.94	-1.19	54.0	-13.06	AV	74.00	100	Vertical	Pass
2	4188.000	51.21	-1.19	74.0	-22.79	Peak	74.00	100	Vertical	Pass
3**	5699.000	98.29	0.65	--	98.29	AV	116.00	100	Vertical	N/A
3	5699.000	106.25	0.65	--	91.25	Peak	116.00	100	Vertical	N/A
4**	7540.500	42.91	1.96	54.0	-11.09	AV	293.00	100	Vertical	Pass
4	7540.500	53.37	1.96	74.0	-20.63	Peak	293.00	100	Vertical	Pass
5**	12275.625	46.67	6.62	54.0	-7.33	AV	76.00	100	Vertical	Pass
5	12275.625	57.00	6.62	74.0	-17.00	Peak	76.00	100	Vertical	Pass
6**	15738.563	47.98	11.38	54.0	-6.02	AV	317.00	100	Vertical	Pass
6	15738.563	54.84	11.38	74.0	-19.16	Peak	317.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1546.000	28.04	-16.46	54.0	-25.96	AV	72.00	100	Horizontal	Pass
1	1546.000	39.23	-16.46	74.0	-34.77	Peak	72.00	100	Horizontal	Pass
2**	4149.000	40.63	-1.17	54.0	-13.37	AV	86.00	100	Horizontal	Pass
2	4149.000	50.41	-1.17	74.0	-23.59	Peak	86.00	100	Horizontal	Pass
3**	5699.000	94.91	0.65	--	94.91	AV	101.00	100	Horizontal	N/A
3	5699.000	102.85	0.65	--	96.85	Peak	101.00	100	Horizontal	N/A
4**	7540.500	43.29	1.96	54.0	-10.71	AV	207.00	100	Horizontal	Pass
4	7540.500	53.11	1.96	74.0	-20.89	Peak	207.00	100	Horizontal	Pass
5**	12262.688	46.42	6.58	54.0	-7.58	AV	64.00	100	Horizontal	Pass
5	12262.688	57.41	6.58	74.0	-16.59	Peak	64.00	100	Horizontal	Pass
6**	15976.125	47.85	13.59	54.0	-6.15	AV	327.00	100	Horizontal	Pass
6	15976.125	54.35	13.59	74.0	-19.65	Peak	327.00	100	Horizontal	Pass

1 GHz to 18 GHz, Band III 11n20 ANT V High channel-144

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1591.500	28.33	-16.30	54.0	-25.67	AV	344.00	100	Vertical	Pass
1	1591.500	39.20	-16.30	74.0	-34.80	Peak	344.00	100	Vertical	Pass
2**	4181.000	40.77	-1.03	54.0	-13.23	AV	321.00	100	Vertical	Pass
2	4181.000	51.53	-1.03	74.0	-22.47	Peak	321.00	100	Vertical	Pass
3**	5718.000	98.80	0.75	--	98.80	AV	99.00	100	Vertical	N/A
3	5718.000	106.67	0.75	--	103.67	Peak	99.00	100	Vertical	N/A
4**	7537.625	43.50	1.77	54.0	-10.50	AV	357.00	100	Vertical	Pass
4	7537.625	52.38	1.77	74.0	-21.62	Peak	357.00	100	Vertical	Pass
5**	12356.125	46.23	5.97	54.0	-7.77	AV	147.00	100	Vertical	Pass
5	12356.125	57.17	5.97	74.0	-16.83	Peak	147.00	100	Vertical	Pass
6**	15977.437	47.90	13.59	54.0	-6.10	AV	85.00	100	Vertical	Pass
6	15977.437	55.95	13.59	74.0	-18.05	Peak	85.00	100	Vertical	Pass

1 GHz to 18 GHz, Band III 11n20 ANT H High channel-144

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1485.500	30.52	-16.35	54.0	-23.48	AV	31.00	100	Horizontal	Pass
1	1485.500	38.47	-16.35	74.0	-35.53	Peak	31.00	100	Horizontal	Pass
2**	4153.000	40.88	-1.08	54.0	-13.12	AV	347.00	100	Horizontal	Pass
2	4153.000	50.37	-1.08	74.0	-23.63	Peak	347.00	100	Horizontal	Pass
3**	5719.000	95.18	0.82	--	95.18	AV	111.00	100	Horizontal	N/A
3	5719.000	102.87	0.82	--	94.87	Peak	111.00	100	Horizontal	N/A
4**	7695.750	42.19	0.93	54.0	-11.81	AV	144.00	100	Horizontal	Pass
4	7695.750	52.81	0.93	74.0	-21.19	Peak	144.00	100	Horizontal	Pass
5**	12478.312	45.89	6.28	54.0	-8.11	AV	185.00	100	Horizontal	Pass
5	12478.312	57.13	6.28	74.0	-16.87	Peak	185.00	100	Horizontal	Pass
6**	15934.125	47.49	13.51	54.0	-6.51	AV	243.00	100	Horizontal	Pass
6	15934.125	56.24	13.51	74.0	-17.76	Peak	243.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1318.500	28.96	-16.38	54.0	-25.04	AV	137.00	100	Vertical	Pass
1	1318.500	39.07	-16.38	74.0	-34.93	Peak	137.00	100	Vertical	Pass
2**	4149.000	40.78	-1.17	54.0	-13.22	AV	20.00	100	Vertical	Pass
2	4149.000	51.28	-1.17	74.0	-22.72	Peak	20.00	100	Vertical	Pass
3**	5512.000	94.48	0.55	--	94.48	AV	94.00	100	Vertical	N/A
3	5512.000	102.81	0.55	--	96.81	Peak	94.00	100	Vertical	N/A
4**	7531.875	43.08	1.66	54.0	-10.92	AV	184.00	100	Vertical	Pass
4	7531.875	53.25	1.66	74.0	-20.75	Peak	184.00	100	Vertical	Pass
5**	12331.688	47.31	6.85	54.0	-6.69	AV	167.00	100	Vertical	Pass
5	12331.688	58.03	6.85	74.0	-15.97	Peak	167.00	100	Vertical	Pass
6**	15972.187	46.92	13.60	54.0	-7.08	AV	86.00	100	Vertical	Pass
6	15972.187	51.10	13.60	74.0	-22.90	Peak	86.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1485.000	29.64	-16.43	54.0	-24.36	AV	137.00	100	Horizontal	Pass
1	1485.000	38.98	-16.43	74.0	-35.02	Peak	137.00	100	Horizontal	Pass
2**	4149.000	40.79	-1.17	54.0	-13.21	AV	190.00	100	Horizontal	Pass
2	4149.000	50.58	-1.17	74.0	-23.42	Peak	190.00	100	Horizontal	Pass
3**	5513.000	93.15	0.46	--	93.15	AV	98.00	100	Horizontal	N/A
3	5513.000	100.72	0.46	--	87.72	Peak	98.00	100	Horizontal	N/A
4**	7529.000	43.01	1.47	54.0	-10.99	AV	182.00	100	Horizontal	Pass
4	7529.000	53.39	1.47	74.0	-20.61	Peak	182.00	100	Horizontal	Pass
5**	11582.750	45.58	5.67	54.0	-8.42	AV	113.00	100	Horizontal	Pass
5	11582.750	56.04	5.67	74.0	-17.96	Peak	113.00	100	Horizontal	Pass
6**	15965.625	47.61	13.62	54.0	-6.39	AV	104.00	100	Horizontal	Pass
6	15965.625	52.02	13.62	74.0	-21.98	Peak	104.00	100	Horizontal	Pass

1 GHz to 18 GHz, Band III 11n40 ANT V Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1557.000	28.75	-16.23	54.0	-25.25	AV	173.00	100	Vertical	Pass
1	1557.000	38.73	-16.23	74.0	-35.27	Peak	173.00	100	Vertical	Pass
2**	4111.000	40.77	-0.81	54.0	-13.23	AV	158.00	100	Vertical	Pass
2	4111.000	50.99	-0.81	74.0	-23.01	Peak	158.00	100	Vertical	Pass
3**	5586.000	94.64	0.28	--	94.64	AV	93.00	100	Vertical	N/A
3	5586.000	103.46	0.28	--	98.46	Peak	93.00	100	Vertical	N/A
4**	7365.125	42.85	1.14	54.0	-11.15	AV	149.00	100	Vertical	Pass
4	7365.125	53.95	1.14	74.0	-20.05	Peak	149.00	100	Vertical	Pass
5**	12380.562	46.26	5.83	54.0	-7.74	AV	51.00	100	Vertical	Pass
5	12380.562	57.87	5.83	74.0	-16.13	Peak	51.00	100	Vertical	Pass
6**	15968.250	46.78	13.61	54.0	-7.22	AV	238.00	100	Vertical	Pass
6	15968.250	51.26	13.61	74.0	-22.74	Peak	238.00	100	Vertical	Pass

1 GHz to 18 GHz, Band III 11n40 ANT H Middle channel

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1362.500	28.30	-16.27	54.0	-25.70	AV	195.00	100	Horizontal	Pass
1	1362.500	40.45	-16.27	74.0	-33.55	Peak	195.00	100	Horizontal	Pass
2**	4179.000	40.65	-1.02	54.0	-13.35	AV	319.00	100	Horizontal	Pass
2	4179.000	50.83	-1.02	74.0	-23.17	Peak	319.00	100	Horizontal	Pass
3**	5593.000	92.24	0.09	--	92.24	AV	109.00	100	Horizontal	N/A
3	5593.000	99.95	0.09	--	98.95	Peak	109.00	100	Horizontal	N/A
4**	7554.875	41.97	0.42	54.0	-12.03	AV	40.00	100	Horizontal	Pass
4	7554.875	52.93	0.42	74.0	-21.07	Peak	40.00	100	Horizontal	Pass
5**	11081.062	45.57	5.94	54.0	-8.43	AV	59.00	100	Horizontal	Pass
5	11081.062	57.17	5.94	74.0	-16.83	Peak	59.00	100	Horizontal	Pass
6**	15980.063	47.50	13.57	54.0	-6.50	AV	228.00	100	Horizontal	Pass
6	15980.063	51.62	13.57	74.0	-22.38	Peak	228.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1343.000	28.09	-16.46	54.0	-25.91	AV	324.00	100	Vertical	Pass
1	1343.000	39.74	-16.46	74.0	-34.26	Peak	324.00	100	Vertical	Pass
2**	4087.000	40.59	-0.75	54.0	-13.41	AV	334.00	100	Vertical	Pass
2	4087.000	51.06	-0.75	74.0	-22.94	Peak	334.00	100	Vertical	Pass
3**	5677.000	96.38	1.38	--	96.38	AV	117.00	100	Vertical	N/A
3	5677.000	104.25	1.38	--	91.25	Peak	117.00	100	Vertical	N/A
4**	7529.000	43.35	1.47	54.0	-10.65	AV	260.00	100	Vertical	Pass
4	7529.000	53.35	1.47	74.0	-20.65	Peak	260.00	100	Vertical	Pass
5**	11844.375	45.76	5.89	54.0	-8.24	AV	315.00	100	Vertical	Pass
5	11844.375	56.30	5.89	74.0	-17.70	Peak	315.00	100	Vertical	Pass
6**	15948.562	46.53	13.60	54.0	-7.47	AV	355.00	100	Vertical	Pass
6	15948.562	49.60	13.60	74.0	-24.40	Peak	355.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1484.500	28.91	-16.51	54.0	-25.09	AV	327.00	100	Horizontal	Pass
1	1484.500	39.07	-16.51	74.0	-34.93	Peak	327.00	100	Horizontal	Pass
2**	4109.000	40.79	-0.81	54.0	-13.21	AV	174.00	100	Horizontal	Pass
2	4109.000	51.11	-0.81	74.0	-22.89	Peak	174.00	100	Horizontal	Pass
3**	5677.000	92.37	1.38	--	92.37	AV	89.00	100	Horizontal	N/A
3	5677.000	100.50	1.38	--	90.50	Peak	89.00	100	Horizontal	N/A
4**	7529.000	43.07	1.47	54.0	-10.93	AV	68.00	100	Horizontal	Pass
4	7529.000	52.62	1.47	74.0	-21.38	Peak	68.00	100	Horizontal	Pass
5**	12245.437	46.83	5.98	54.0	-7.17	AV	18.00	100	Horizontal	Pass
5	12245.437	56.43	5.98	74.0	-17.57	Peak	18.00	100	Horizontal	Pass
6**	15735.937	46.96	11.30	54.0	-7.04	AV	358.00	100	Horizontal	Pass
6	15735.937	50.92	11.30	74.0	-23.08	Peak	358.00	100	Horizontal	Pass

1 GHz to 18 GHz, Band III 11n40 ANT V High channel-142

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1506.500	28.14	-16.61	54.0	-25.86	AV	120.00	100	Vertical	Pass
1	1506.500	39.00	-16.61	74.0	-35.00	Peak	120.00	100	Vertical	Pass
2**	4104.000	40.52	-1.18	54.0	-13.48	AV	158.00	100	Vertical	Pass
2	4104.000	51.58	-1.18	74.0	-22.42	Peak	158.00	100	Vertical	Pass
3**	5712.000	95.54	0.70	--	95.54	AV	96.00	100	Vertical	N/A
3	5712.000	103.94	0.70	--	93.94	Peak	96.00	100	Vertical	N/A
4**	7533.313	43.18	1.92	54.0	-10.82	AV	277.00	100	Vertical	Pass
4	7533.313	53.52	1.92	74.0	-20.48	Peak	277.00	100	Vertical	Pass
5**	12331.688	47.55	6.85	54.0	-6.45	AV	292.00	100	Vertical	Pass
5	12331.688	57.10	6.85	74.0	-16.90	Peak	292.00	100	Vertical	Pass
6**	15739.875	47.41	11.42	54.0	-6.59	AV	161.00	100	Vertical	Pass
6	15739.875	50.06	11.42	74.0	-23.94	Peak	161.00	100	Vertical	Pass

1 GHz to 18 GHz, Band III 11n40 ANT H High channel-142

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1484.000	28.22	-16.59	54.0	-25.78	AV	248.00	100	Horizontal	Pass
1	1484.000	39.23	-16.59	74.0	-34.77	Peak	248.00	100	Horizontal	Pass
2**	4101.000	40.91	-1.20	54.0	-13.09	AV	196.00	100	Horizontal	Pass
2	4101.000	51.00	-1.20	74.0	-23.00	Peak	196.00	100	Horizontal	Pass
3**	5703.000	91.23	0.41	--	91.23	AV	112.00	100	Horizontal	N/A
3	5703.000	99.55	0.41	--	94.55	Peak	112.00	100	Horizontal	N/A
4**	7518.938	41.71	0.54	54.0	-12.29	AV	119.00	100	Horizontal	Pass
4	7518.938	52.95	0.54	74.0	-21.05	Peak	119.00	100	Horizontal	Pass
5**	12369.063	46.83	6.12	54.0	-7.17	AV	28.00	100	Horizontal	Pass
5	12369.063	57.30	6.12	74.0	-16.70	Peak	28.00	100	Horizontal	Pass
6**	15973.500	46.09	13.60	54.0	-7.91	AV	236.00	100	Horizontal	Pass
6	15973.500	52.02	13.60	74.0	-21.98	Peak	236.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1485.500	30.14	-16.35	54.0	-23.86	AV	238.00	100	Vertical	Pass
1	1485.500	39.22	-16.35	74.0	-34.78	Peak	238.00	100	Vertical	Pass
2**	4206.000	40.16	-1.99	54.0	-13.84	AV	199.00	100	Vertical	Pass
2	4206.000	51.62	-1.99	74.0	-22.38	Peak	199.00	100	Vertical	Pass
3**	5744.000	99.67	1.19	--	99.67	AV	153.00	100	Vertical	N/A
3	5744.000	106.95	1.19	--	-46.05	Peak	153.00	100	Vertical	N/A
4**	7539.062	43.26	2.01	54.0	-10.74	AV	163.00	100	Vertical	Pass
4	7539.062	54.44	2.01	74.0	-19.56	Peak	163.00	100	Vertical	Pass
5**	11096.875	45.76	5.85	54.0	-8.24	AV	92.00	100	Vertical	Pass
5	11096.875	56.48	5.85	74.0	-17.52	Peak	92.00	100	Vertical	Pass
6**	15737.250	47.25	11.34	54.0	-6.75	AV	161.00	100	Vertical	Pass
6	15737.250	52.49	11.34	74.0	-21.51	Peak	161.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1509.500	28.58	-16.49	54.0	-25.42	AV	293.00	100	Horizontal	Pass
1	1509.500	40.32	-16.49	74.0	-33.68	Peak	293.00	100	Horizontal	Pass
2**	4250.000	40.32	-1.74	54.0	-13.68	AV	154.00	100	Horizontal	Pass
2	4250.000	52.54	-1.74	74.0	-21.46	Peak	154.00	100	Horizontal	Pass
3**	5744.000	96.36	1.19	--	96.36	AV	30.00	100	Horizontal	N/A
3	5744.000	104.15	1.19	--	74.15	Peak	30.00	100	Horizontal	N/A
4**	7541.938	43.16	1.73	54.0	-10.84	AV	243.00	100	Horizontal	Pass
4	7541.938	53.46	1.73	74.0	-20.54	Peak	243.00	100	Horizontal	Pass
5**	12367.625	47.23	6.10	54.0	-6.77	AV	150.00	100	Horizontal	Pass
5	12367.625	57.53	6.10	74.0	-16.47	Peak	150.00	100	Horizontal	Pass
6**	15966.937	47.18	13.62	54.0	-6.82	AV	228.00	100	Horizontal	Pass
6	15966.937	51.97	13.62	74.0	-22.03	Peak	228.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1552.500	28.50	-16.32	54.0	-25.50	AV	14.00	100	Vertical	Pass
1	1552.500	38.92	-16.32	74.0	-35.08	Peak	14.00	100	Vertical	Pass
2**	4078.000	40.76	-0.52	54.0	-13.24	AV	340.00	100	Vertical	Pass
2	4078.000	50.97	-0.52	74.0	-23.03	Peak	340.00	100	Vertical	Pass
3**	5784.000	98.88	1.12	--	98.88	AV	48.00	100	Vertical	N/A
3	5784.000	106.64	1.12	--	91.64	Peak	48.00	100	Vertical	N/A
4**	7533.313	43.71	1.92	54.0	-10.29	AV	116.00	100	Vertical	Pass
4	7533.313	53.13	1.92	74.0	-20.87	Peak	116.00	100	Vertical	Pass
5**	11082.500	46.10	5.98	54.0	-7.90	AV	357.00	100	Vertical	Pass
5	11082.500	56.30	5.98	74.0	-17.70	Peak	357.00	100	Vertical	Pass
6**	15963.000	46.80	13.63	54.0	-7.20	AV	336.00	100	Vertical	Pass
6	15963.000	51.41	13.63	74.0	-22.59	Peak	336.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1578.500	28.57	-16.20	54.0	-25.43	AV	324.00	100	Horizontal	Pass
1	1578.500	39.69	-16.20	74.0	-34.31	Peak	324.00	100	Horizontal	Pass
2**	4148.000	40.95	-1.26	54.0	-13.05	AV	91.00	100	Horizontal	Pass
2	4148.000	50.32	-1.26	74.0	-23.68	Peak	91.00	100	Horizontal	Pass
3**	5784.000	94.71	1.12	--	94.71	AV	56.00	100	Horizontal	N/A
3	5784.000	102.58	1.12	--	95.58	Peak	56.00	100	Horizontal	N/A
4**	7606.625	42.35	0.08	54.0	-11.65	AV	33.00	100	Horizontal	Pass
4	7606.625	52.75	0.08	74.0	-21.25	Peak	33.00	100	Horizontal	Pass
5**	11850.125	45.76	6.10	54.0	-8.24	AV	224.00	100	Horizontal	Pass
5	11850.125	56.14	6.10	74.0	-17.86	Peak	224.00	100	Horizontal	Pass
6**	15968.250	46.80	13.61	54.0	-7.20	AV	68.00	100	Horizontal	Pass
6	15968.250	53.39	13.61	74.0	-20.61	Peak	68.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1507.500	28.66	-16.59	54.0	-25.34	AV	324.00	100	Vertical	Pass
1	1507.500	39.16	-16.59	74.0	-34.84	Peak	324.00	100	Vertical	Pass
2**	4105.000	40.57	-1.23	54.0	-13.43	AV	216.00	100	Vertical	Pass
2	4105.000	50.77	-1.23	74.0	-23.23	Peak	216.00	100	Vertical	Pass
3**	5823.000	97.52	0.91	--	97.52	AV	51.00	100	Vertical	N/A
3	5823.000	105.38	0.91	--	102.38	Peak	51.00	100	Vertical	N/A
4**	7540.500	42.85	1.96	54.0	-11.15	AV	328.00	100	Vertical	Pass
4	7540.500	53.26	1.96	74.0	-20.74	Peak	328.00	100	Vertical	Pass
5**	12338.875	47.37	6.44	54.0	-6.63	AV	3.00	100	Vertical	Pass
5	12338.875	57.42	6.44	74.0	-16.58	Peak	3.00	100	Vertical	Pass
6**	15963.000	47.41	13.63	54.0	-6.59	AV	349.00	100	Vertical	Pass
6	15963.000	51.15	13.63	74.0	-22.85	Peak	349.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1562.500	28.45	-16.23	54.0	-25.55	AV	267.00	100	Horizontal	Pass
1	1562.500	38.72	-16.23	74.0	-35.28	Peak	267.00	100	Horizontal	Pass
2**	4090.000	41.57	-0.80	54.0	-12.43	AV	193.00	100	Horizontal	Pass
2	4090.000	51.18	-0.80	74.0	-22.82	Peak	193.00	100	Horizontal	Pass
3**	5827.000	94.54	0.69	--	94.54	AV	41.00	100	Horizontal	N/A
3	5827.000	102.01	0.69	--	95.01	Peak	41.00	100	Horizontal	N/A
4**	7529.000	42.83	1.47	54.0	-11.17	AV	163.00	100	Horizontal	Pass
4	7529.000	53.23	1.47	74.0	-20.77	Peak	163.00	100	Horizontal	Pass
5**	12297.187	46.72	7.31	54.0	-7.28	AV	252.00	100	Horizontal	Pass
5	12297.187	56.90	7.31	74.0	-17.10	Peak	252.00	100	Horizontal	Pass
6**	15976.125	46.28	13.59	54.0	-7.72	AV	56.00	100	Horizontal	Pass
6	15976.125	51.00	13.59	74.0	-23.00	Peak	56.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1530.500	28.60	-16.42	54.0	-25.40	AV	256.00	100	Vertical	Pass
1	1530.500	39.57	-16.42	74.0	-34.43	Peak	256.00	100	Vertical	Pass
2**	4079.000	40.96	-0.62	54.0	-13.04	AV	5.00	100	Vertical	Pass
2	4079.000	51.77	-0.62	74.0	-22.23	Peak	5.00	100	Vertical	Pass
3**	5744.000	98.94	1.19	--	98.94	AV	53.00	100	Vertical	N/A
3	5744.000	106.39	1.19	--	94.39	Peak	53.00	100	Vertical	N/A
4**	7342.125	42.48	0.20	54.0	-11.52	AV	307.00	100	Vertical	Pass
4	7342.125	53.71	0.20	74.0	-20.29	Peak	307.00	100	Vertical	Pass
5**	12492.687	46.47	6.46	54.0	-7.53	AV	198.00	100	Vertical	Pass
5	12492.687	58.09	6.46	74.0	-15.91	Peak	198.00	100	Vertical	Pass
6**	15980.063	47.06	13.57	54.0	-6.94	AV	140.00	100	Vertical	Pass
6	15980.063	51.45	13.57	74.0	-22.55	Peak	140.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1518.000	28.44	-16.28	54.0	-25.56	AV	181.00	100	Horizontal	Pass
1	1518.000	39.66	-16.28	74.0	-34.34	Peak	181.00	100	Horizontal	Pass
2**	4083.000	40.86	-0.62	54.0	-13.14	AV	130.00	100	Horizontal	Pass
2	4083.000	51.14	-0.62	74.0	-22.86	Peak	130.00	100	Horizontal	Pass
3**	5746.000	94.99	1.28	--	94.99	AV	58.00	100	Horizontal	N/A
3	5746.000	103.36	1.28	--	98.36	Peak	58.00	100	Horizontal	N/A
4**	7533.313	43.80	1.92	54.0	-10.20	AV	316.00	100	Horizontal	Pass
4	7533.313	53.66	1.92	74.0	-20.34	Peak	316.00	100	Horizontal	Pass
5**	11601.438	45.62	5.68	54.0	-8.38	AV	119.00	100	Horizontal	Pass
5	11601.438	55.91	5.68	74.0	-18.09	Peak	119.00	100	Horizontal	Pass
6**	15741.187	46.80	11.39	54.0	-7.20	AV	132.00	100	Horizontal	Pass
6	15741.187	50.38	11.39	74.0	-23.62	Peak	132.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1598.000	30.87	-16.34	54.0	-23.13	AV	220.00	100	Vertical	Pass
1	1598.000	39.32	-16.34	74.0	-34.68	Peak	220.00	100	Vertical	Pass
2**	4081.000	40.72	-0.68	54.0	-13.28	AV	137.00	100	Vertical	Pass
2	4081.000	50.96	-0.68	74.0	-23.04	Peak	137.00	100	Vertical	Pass
3**	5783.000	97.29	1.18	--	97.29	AV	40.00	100	Vertical	N/A
3	5783.000	105.38	1.18	--	94.38	Peak	40.00	100	Vertical	N/A
4**	7329.187	42.82	0.99	54.0	-11.18	AV	176.00	100	Vertical	Pass
4	7329.187	54.02	0.99	74.0	-19.98	Peak	176.00	100	Vertical	Pass
5**	11099.750	45.99	5.71	54.0	-8.01	AV	204.00	100	Vertical	Pass
5	11099.750	56.92	5.71	74.0	-17.08	Peak	204.00	100	Vertical	Pass
6**	15964.313	46.39	13.63	54.0	-7.61	AV	330.00	100	Vertical	Pass
6	15964.313	50.74	13.63	74.0	-23.26	Peak	330.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1544.500	28.47	-16.52	54.0	-25.53	AV	52.00	100	Horizontal	Pass
1	1544.500	38.82	-16.52	74.0	-35.18	Peak	52.00	100	Horizontal	Pass
2**	4152.000	41.08	-1.04	54.0	-12.92	AV	198.00	100	Horizontal	Pass
2	4152.000	51.47	-1.04	74.0	-22.53	Peak	198.00	100	Horizontal	Pass
3**	5784.000	93.55	1.12	--	93.55	AV	53.00	100	Horizontal	N/A
3	5784.000	101.37	1.12	--	88.37	Peak	53.00	100	Horizontal	N/A
4**	7529.000	43.27	1.47	54.0	-10.73	AV	152.00	100	Horizontal	Pass
4	7529.000	53.56	1.47	74.0	-20.44	Peak	152.00	100	Horizontal	Pass
5**	12271.313	46.54	6.48	54.0	-7.46	AV	87.00	100	Horizontal	Pass
5	12271.313	56.85	6.48	74.0	-17.15	Peak	87.00	100	Horizontal	Pass
6**	15968.250	46.64	13.61	54.0	-7.36	AV	117.00	100	Horizontal	Pass
6	15968.250	52.07	13.61	74.0	-21.93	Peak	117.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1596.000	28.46	-16.50	54.0	-25.54	AV	326.00	100	Vertical	Pass
1	1596.000	39.70	-16.50	74.0	-34.30	Peak	326.00	100	Vertical	Pass
2**	4256.000	40.34	-1.69	54.0	-13.66	AV	244.00	100	Vertical	Pass
2	4256.000	52.03	-1.69	74.0	-21.97	Peak	244.00	100	Vertical	Pass
3**	5824.000	97.00	0.98	--	97.00	AV	44.00	100	Vertical	N/A
3	5824.000	104.44	0.98	--	97.44	Peak	44.00	100	Vertical	N/A
4**	7541.938	42.73	1.73	54.0	-11.27	AV	105.00	100	Vertical	Pass
4	7541.938	53.38	1.73	74.0	-20.62	Peak	105.00	100	Vertical	Pass
5**	12328.813	47.03	6.93	54.0	-6.97	AV	104.00	100	Vertical	Pass
5	12328.813	57.69	6.93	74.0	-16.31	Peak	104.00	100	Vertical	Pass
6**	15963.000	47.44	13.63	54.0	-6.56	AV	264.00	100	Vertical	Pass
6	15963.000	52.17	13.63	74.0	-21.83	Peak	264.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1541.000	28.57	-16.41	54.0	-25.43	AV	289.00	100	Horizontal	Pass
1	1541.000	38.92	-16.41	74.0	-35.08	Peak	289.00	100	Horizontal	Pass
2**	4111.000	40.83	-0.81	54.0	-13.17	AV	104.00	100	Horizontal	Pass
2	4111.000	51.55	-0.81	74.0	-22.45	Peak	104.00	100	Horizontal	Pass
3**	5827.000	93.23	0.69	--	93.23	AV	40.00	100	Horizontal	N/A
3	5827.000	101.57	0.69	--	100.57	Peak	40.00	100	Horizontal	N/A
4**	7580.750	43.02	0.98	54.0	-10.98	AV	63.00	100	Horizontal	Pass
4	7580.750	53.06	0.98	74.0	-20.94	Peak	63.00	100	Horizontal	Pass
5**	11104.062	45.36	5.40	54.0	-8.64	AV	179.00	100	Horizontal	Pass
5	11104.062	55.91	5.40	74.0	-18.09	Peak	179.00	100	Horizontal	Pass
6**	15957.750	46.42	13.63	54.0	-7.58	AV	127.00	100	Horizontal	Pass
6	15957.750	51.72	13.63	74.0	-22.28	Peak	127.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1559.000	28.51	-16.40	54.0	-25.49	AV	80.00	100	Vertical	Pass
1	1559.000	39.63	-16.40	74.0	-34.37	Peak	80.00	100	Vertical	Pass
2**	4183.000	40.63	-0.91	54.0	-13.37	AV	89.00	100	Vertical	Pass
2	4183.000	51.03	-0.91	74.0	-22.97	Peak	89.00	100	Vertical	Pass
3**	5749.000	95.47	1.41	--	95.47	AV	48.00	100	Vertical	N/A
3	5749.000	103.90	1.41	--	88.90	Peak	48.00	100	Vertical	N/A
4**	7579.313	42.82	0.87	54.0	-11.18	AV	170.00	100	Vertical	Pass
4	7579.313	52.76	0.87	74.0	-21.24	Peak	170.00	100	Vertical	Pass
5**	11099.750	45.76	5.71	54.0	-8.24	AV	296.00	100	Vertical	Pass
5	11099.750	56.16	5.71	74.0	-17.84	Peak	296.00	100	Vertical	Pass
6**	15965.625	46.75	13.62	54.0	-7.25	AV	179.00	100	Vertical	Pass
6	15965.625	52.55	13.62	74.0	-21.45	Peak	179.00	100	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1551.000	28.65	-16.30	54.0	-25.35	AV	291.00	100	Horizontal	Pass
1	1551.000	39.16	-16.30	74.0	-34.84	Peak	291.00	100	Horizontal	Pass
2**	4077.000	41.19	-0.75	54.0	-12.81	AV	270.00	100	Horizontal	Pass
2	4077.000	50.69	-0.75	74.0	-23.31	Peak	270.00	100	Horizontal	Pass
3**	5757.000	92.09	1.86	--	92.09	AV	47.00	100	Horizontal	N/A
3	5757.000	100.56	1.86	--	88.56	Peak	47.00	100	Horizontal	N/A
4**	7540.500	43.27	1.96	54.0	-10.73	AV	131.00	100	Horizontal	Pass
4	7540.500	53.27	1.96	74.0	-20.73	Peak	131.00	100	Horizontal	Pass
5**	12340.312	46.70	6.36	54.0	-7.30	AV	324.00	100	Horizontal	Pass
5	12340.312	57.93	6.36	74.0	-16.07	Peak	324.00	100	Horizontal	Pass
6**	15973.500	46.59	13.60	54.0	-7.41	AV	173.00	100	Horizontal	Pass
6	15973.500	51.49	13.60	74.0	-22.51	Peak	173.00	100	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1598.000	30.41	-16.34	54.0	-23.59	AV	296.00	100	Vertical	Pass
1	1598.000	39.86	-16.34	74.0	-34.14	Peak	296.00	100	Vertical	Pass
2**	4084.000	40.73	-0.67	54.0	-13.27	AV	29.00	100	Vertical	Pass
2	4084.000	51.68	-0.67	74.0	-22.32	Peak	29.00	100	Vertical	Pass
3**	5789.000	93.87	0.98	--	93.87	AV	61.00	100	Vertical	N/A
3	5789.000	101.70	0.98	--	100.70	Peak	61.00	100	Vertical	N/A
4**	7540.500	43.60	1.96	54.0	-10.40	AV	359.00	100	Vertical	Pass
4	7540.500	52.64	1.96	74.0	-21.36	Peak	359.00	100	Vertical	Pass
5**	10856.813	46.12	5.19	54.0	-7.88	AV	329.00	100	Vertical	Pass
5	10856.813	56.19	5.19	74.0	-17.81	Peak	329.00	100	Vertical	Pass
6**	15966.937	46.82	13.62	54.0	-7.18	AV	231.00	100	Vertical	Pass
6	15966.937	51.42	13.62	74.0	-22.58	Peak	231.00	100	Vertical	Pass

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

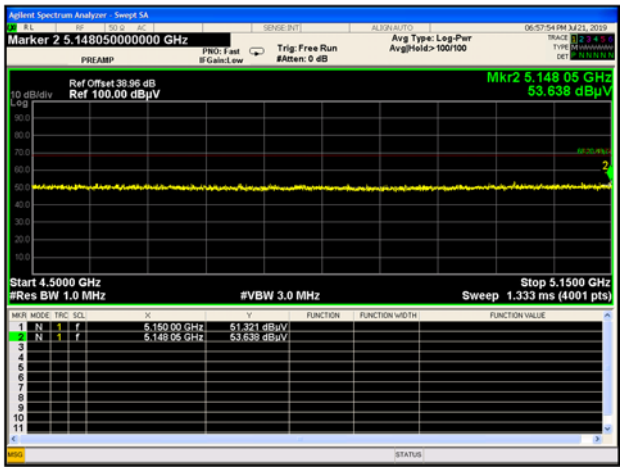
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1598.000	29.32	-16.34	54.0	-24.68	AV	236.00	100	Horizontal	Pass
1	1598.000	39.84	-16.34	74.0	-34.16	Peak	236.00	100	Horizontal	Pass
2**	4087.000	40.94	-0.75	54.0	-13.06	AV	346.00	100	Horizontal	Pass
2	4087.000	51.27	-0.75	74.0	-22.73	Peak	346.00	100	Horizontal	Pass
3**	5788.000	90.05	1.00	--	90.05	AV	58.00	100	Horizontal	N/A
3	5788.000	98.23	1.00	--	87.23	Peak	58.00	100	Horizontal	N/A
4**	7582.188	43.09	0.85	54.0	-10.91	AV	175.00	100	Horizontal	Pass
4	7582.188	53.26	0.85	74.0	-20.74	Peak	175.00	100	Horizontal	Pass
5**	12336.000	47.01	6.60	54.0	-6.99	AV	65.00	100	Horizontal	Pass
5	12336.000	57.46	6.60	74.0	-16.54	Peak	65.00	100	Horizontal	Pass
6**	15966.937	47.18	13.62	54.0	-6.82	AV	189.00	100	Horizontal	Pass
6	15966.937	52.30	13.62	74.0	-21.70	Peak	189.00	100	Horizontal	Pass

A.6.2 Band Edge (Restricted-band)

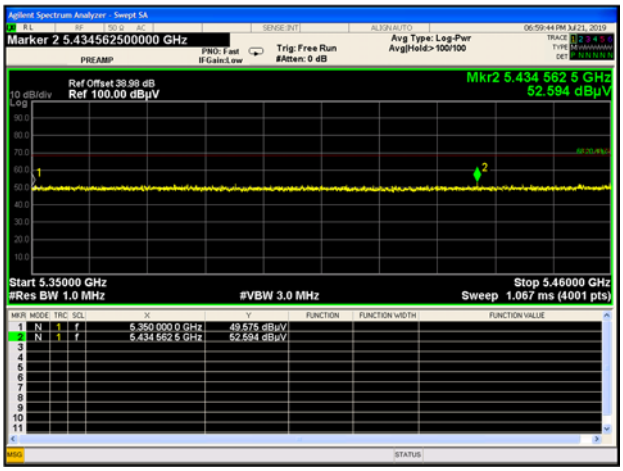
Test Band	Mode	Channel	Verdict
Band I	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
Band II	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)	Low	Pass
		High	Pass
	802.11n(HT40)	Low	Pass
		High	Pass
Band III	802.11a	Low	Pass
		High	Pass
	802.11n(HT20)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

Test Plots

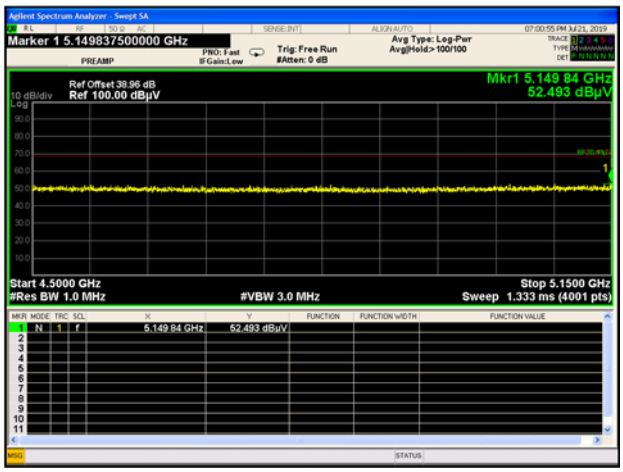
Band I 11a CH36 Peak



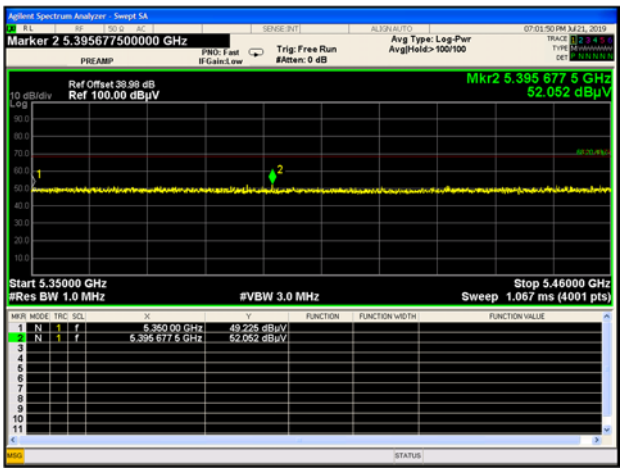
Band I 11a CH48 Peak



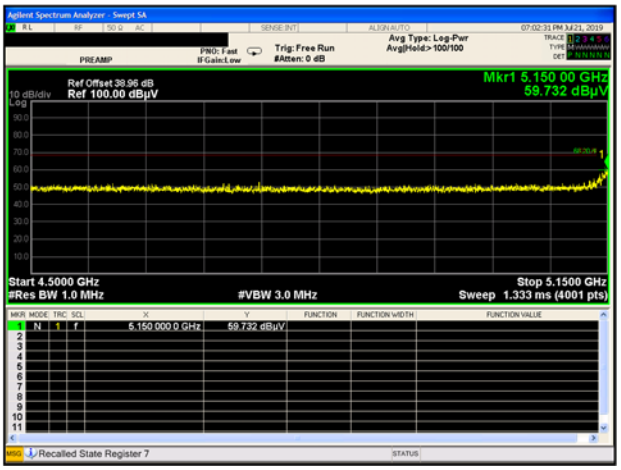
Band I 11n20 CH36 Peak



Band I 11n20 CH48 Peak

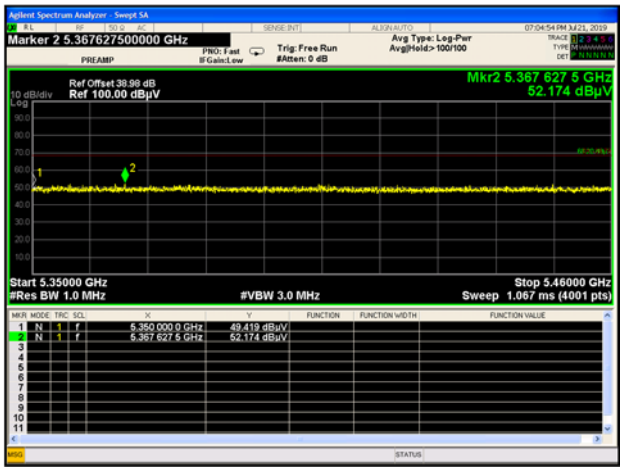


Band I 11n40 CH38 Peak

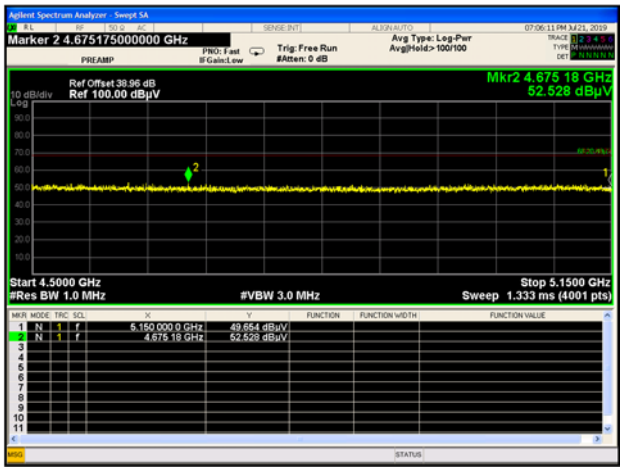


Band I 11n40 CH38 AV

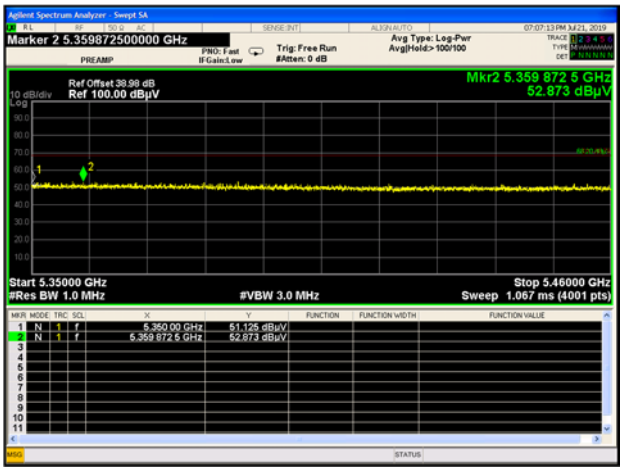
Band I 11n40 CH46 Peak



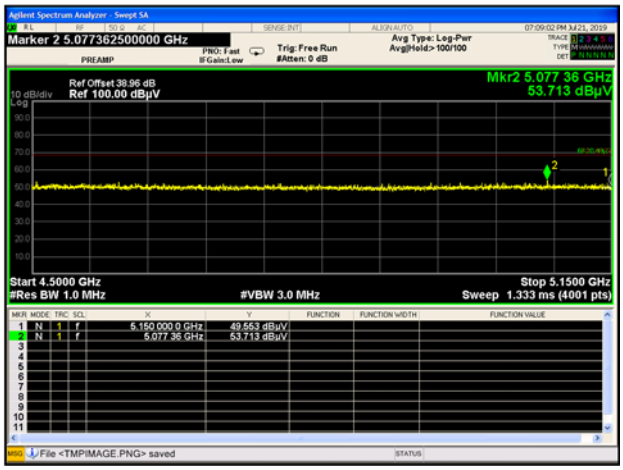
Band II 11a CH52 Peak



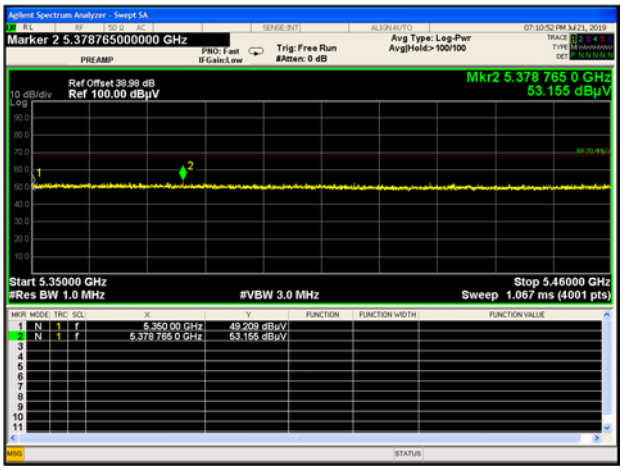
Band II 11a CH64 Peak



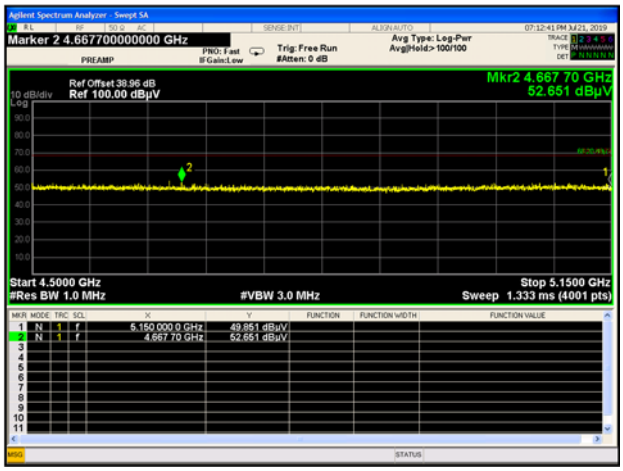
Band II 11n20 CH52 Peak



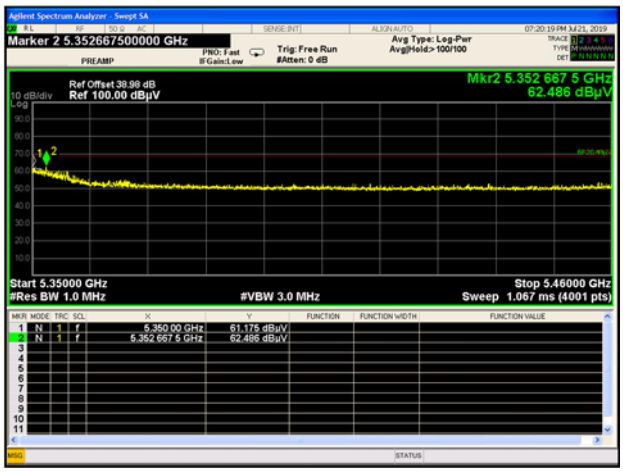
Band II 11n20 CH64 Peak



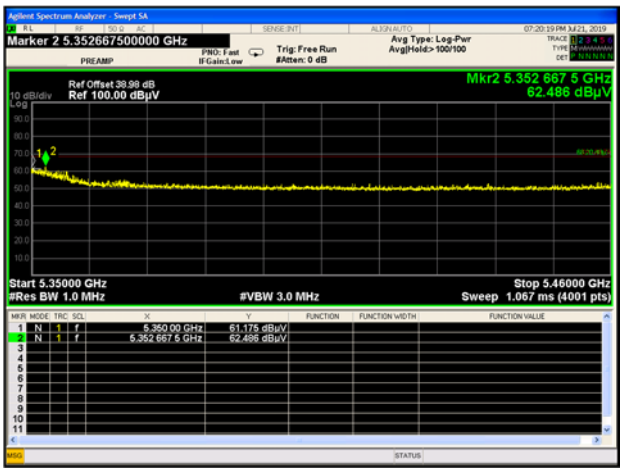
Band II 11n40 CH54 Peak



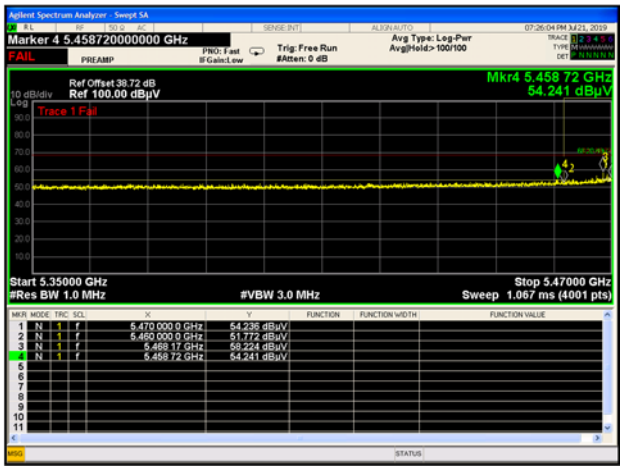
Band II 11n40 CH62 Peak



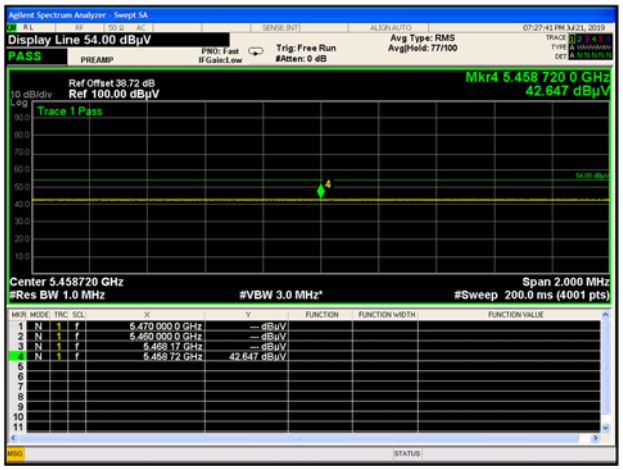
Band II 11n40 CH62 AV



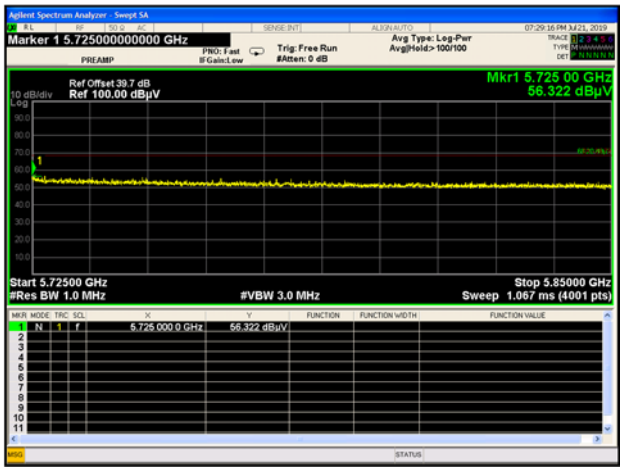
Band III 11a CH100 Peak



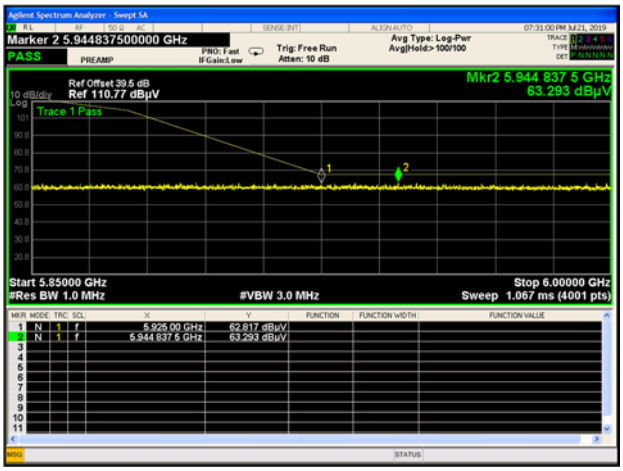
Band III 11a CH100 AV



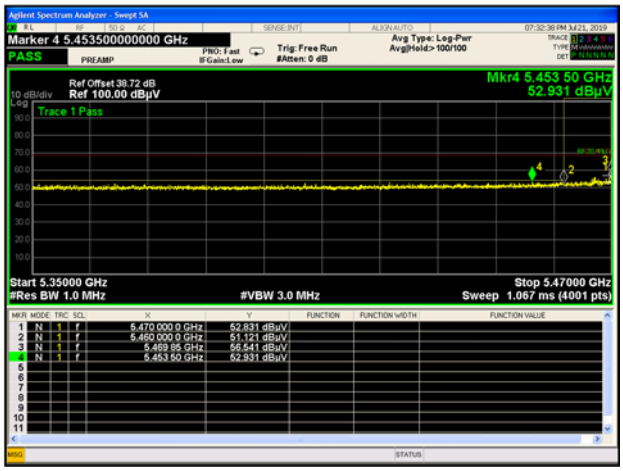
Band III 11a CH140 Peak



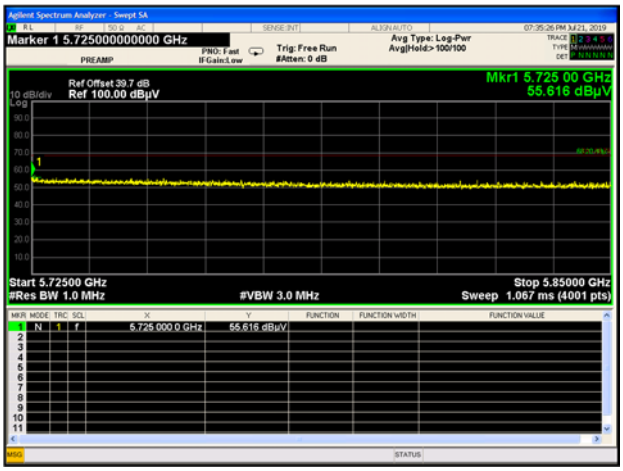
Band III 11a CH144 Peak



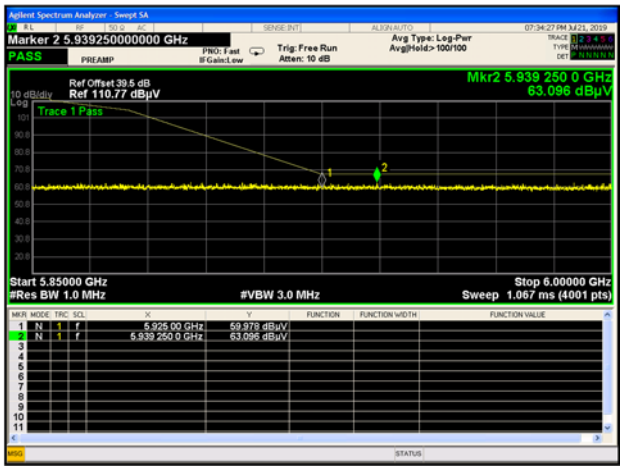
Band III 11n20 CH100 Peak



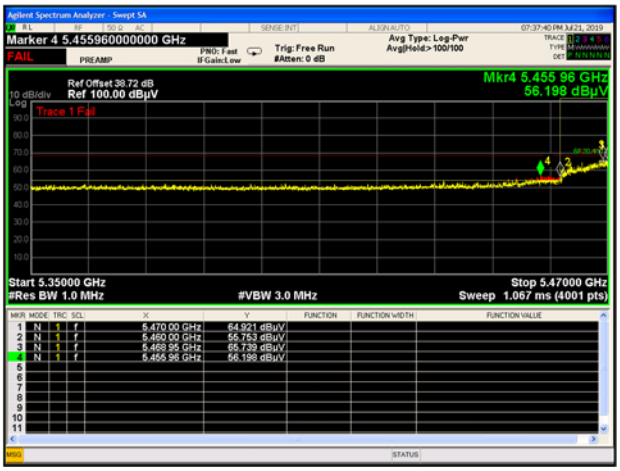
Band III 11n20 CH140 Peak



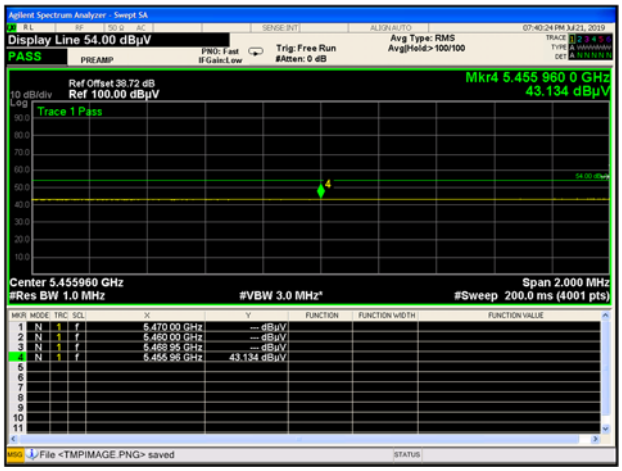
Band III 11n20 CH144 Peak



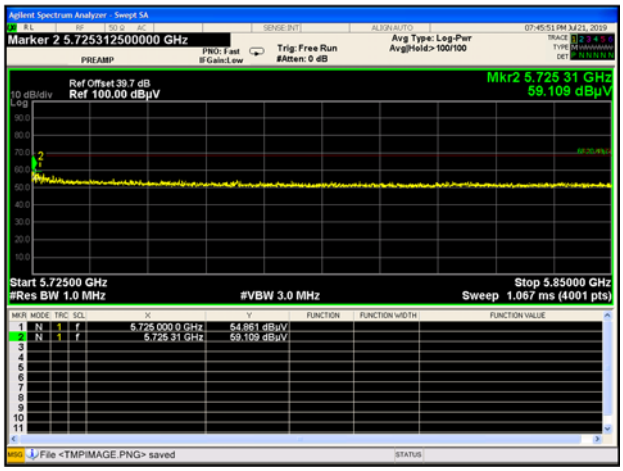
Band III 11n40 CH102 Peak



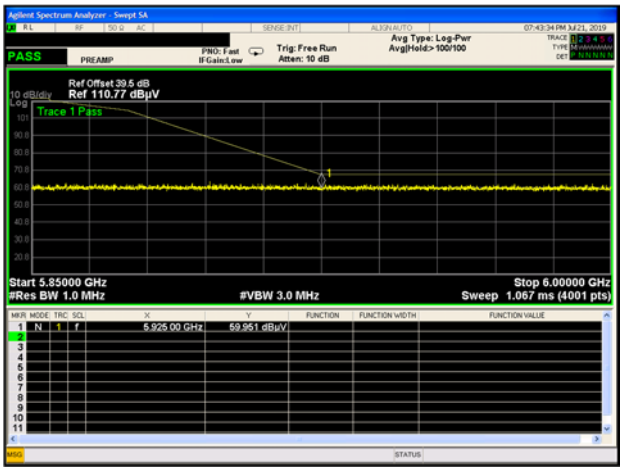
Band III 11n40 CH102 AV



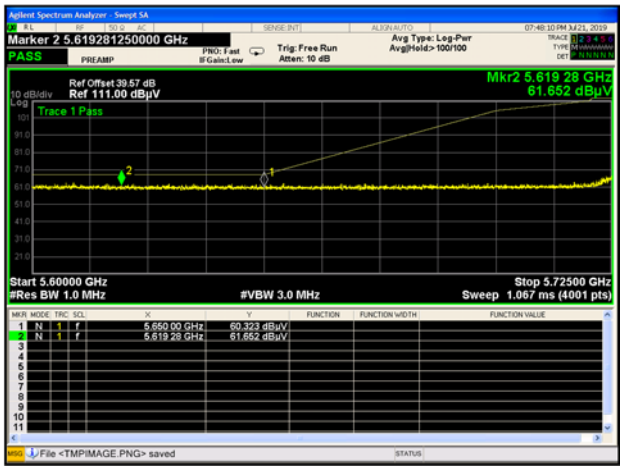
Band III 11n40 CH134 Peak



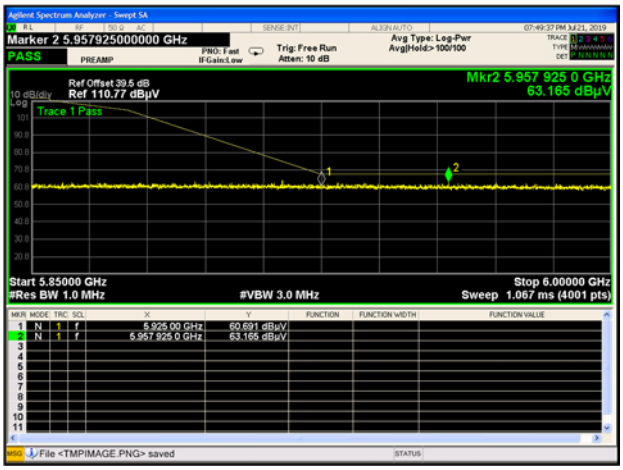
Band III 11n40 CH142 Peak



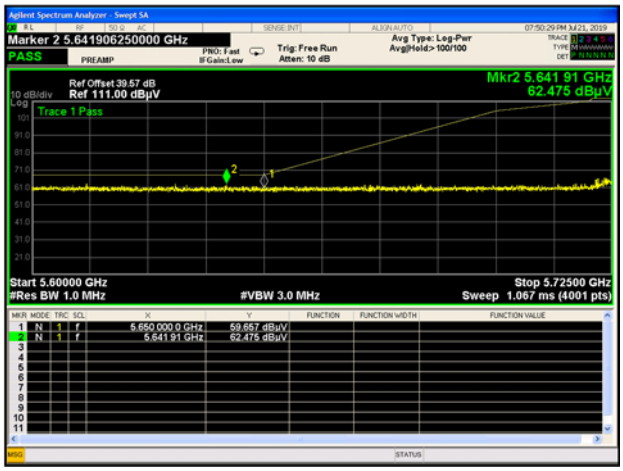
Band IV 11a CH149 Peak



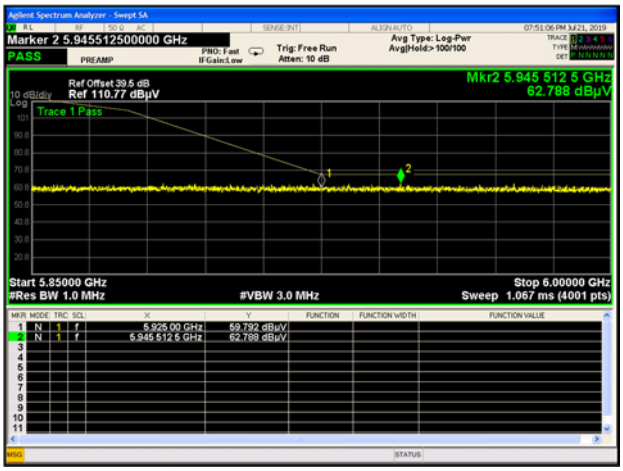
Band IV 11a CH165 Peak



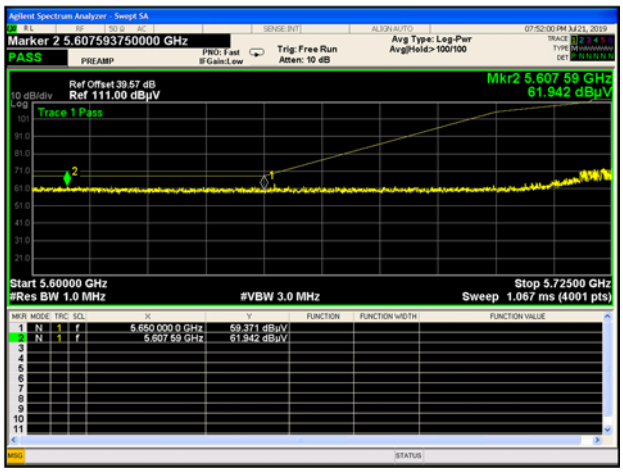
Band IV 11n20 CH149 Peak



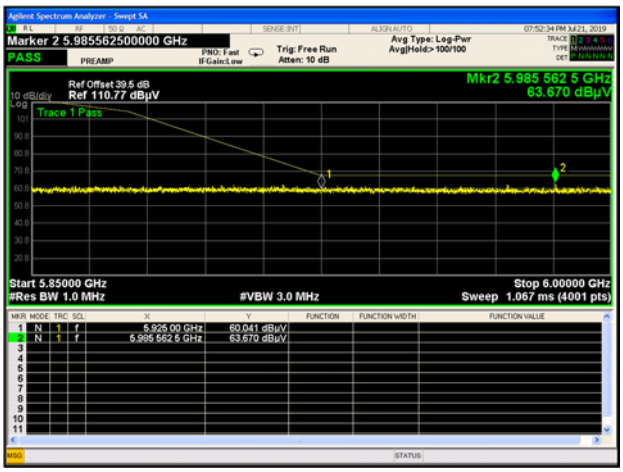
Band IV 11n20 CH165 Peak



Band IV 11n40 CH151 Peak



Band IV 11n40 CH159 Peak



A.7 Frequency Stability

Voltage vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
TEMP. (°C)	Voltage (VDC)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
20	4	5180	5180.004624	0.89	5180.004674	0.90	5180.005055	0.98	5180.004649	0.90
	3.8	5180	5180.005002	0.97	5180.004958	0.96	5180.004873	0.94	5180.004934	0.95
	3.3	5180	5180.005555	1.07	5180.005530	1.07	5180.004741	0.92	5180.005097	0.98

Temperature vs. Frequency Stability (5180 MHz)

Test Conditions		Test Frequency (MHz)	0 Minute		2 Minute		5 Minute		10Minute	
Voltage (VDC)	TEMP. (°C)		Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)	Measurement Frequency (MHz)	Max. Deviation (ppm)
3.8	-30	5180	5180.005498	1.06	5180.005588	1.08	5180.005498	1.06	5180.005458	1.05
	-20	5180	5180.005192	1.00	5180.005605	1.08	5180.005473	1.06	5180.005250	1.01
	-10	5180	5180.004632	0.89	5180.005126	0.99	5180.005338	1.03	5180.004707	0.91
	0	5180	5180.005435	1.05	5180.005089	0.98	5180.005168	1.00	5180.005102	0.98
	10	5180	5180.004759	0.92	5180.005507	1.06	5180.005279	1.02	5180.005356	1.03
	20	5180	5180.005093	0.98	5180.005189	1.00	5180.005476	1.06	5180.005569	1.08
	30	5180	5180.005298	1.02	5180.005599	1.08	5180.005251	1.01	5180.005438	1.05
	40	5180	5180.005603	1.08	5180.005193	1.00	5180.005383	1.04	5180.004653	0.90
	50	5180	5180.005176	1.00	5180.005235	1.01	5180.005029	0.97	5180.005475	1.06

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	4	5825	5825.005499	0.94	5825.006329	1.09	5825.005712	0.98	5825.006001	1.03
	3.8	5825	5825.005864	1.01	5825.005705	0.98	5825.005693	0.98	5825.006128	1.05
	3.3	5825	5825.006229	1.07	5825.005741	0.99	5825.006149	1.06	5825.005511	0.95

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)
3.8	-30	5825	5825.006299	1.08	5825.005926	1.02	5825.006258	1.07	5825.006364	1.09
	-20	5825	5825.005723	0.98	5825.005834	1.00	5825.005713	0.98	5825.006083	1.04
	-10	5825	5825.005817	1.00	5825.005614	0.96	5825.005927	1.02	5825.005712	0.98
	0	5825	5825.005935	1.02	5825.005957	1.02	5825.005718	0.98	5825.006213	1.07
	10	5825	5825.006133	1.05	5825.006105	1.05	5825.006319	1.08	5825.005708	0.98
	20	5825	5825.005697	0.98	5825.005679	0.97	5825.005601	0.96	5825.006419	1.10
	30	5825	5825.005724	0.98	5825.006187	1.06	5825.005962	1.02	5825.006061	1.04
	40	5825	5825.005729	0.98	5825.005839	1.00	5825.005727	0.98	5825.005916	1.02
	50	5825	5825.006337	1.09	5825.006463	1.11	5825.006086	1.04	5825.005700	0.98

ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ1970033-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ1970033-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ1970033-AI.PDF”.

--END OF REPORT--