

FCC

RF

TEST REPORT

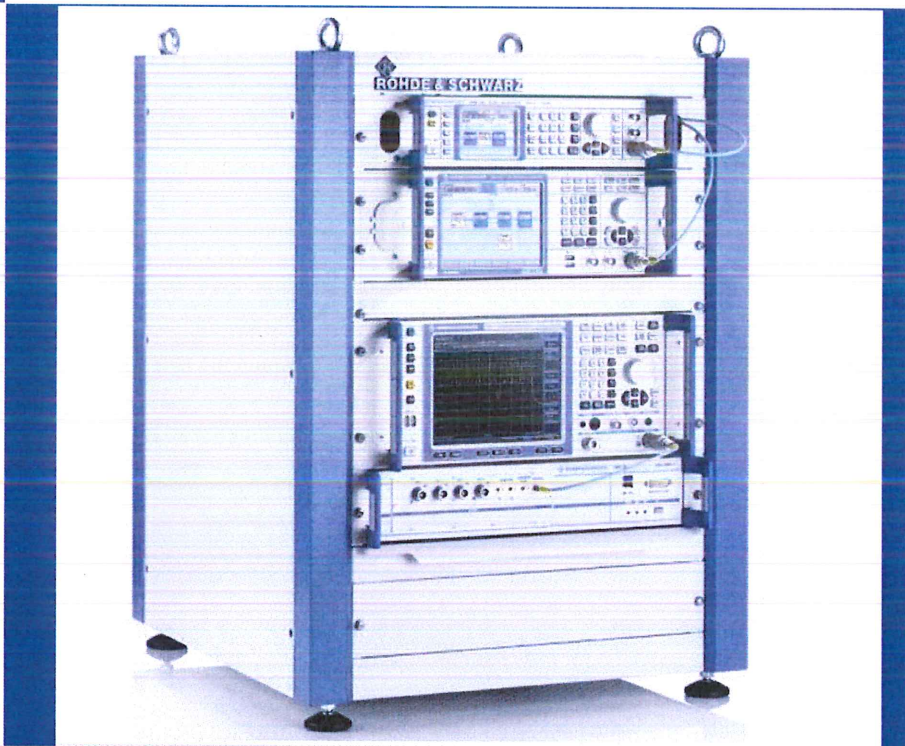
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
Dual Band Combo Module

ISSUED TO
Draegerwerk AG & Co. KGaA

Moislinger Allee 53-55 23558 Lubeck, Germany

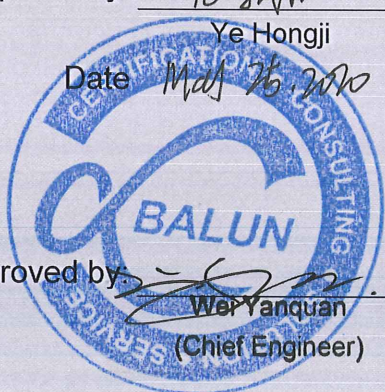


Prepared by: Ye Hongji
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Date: May 26, 2020

Approved by: Wen Yanquan
(Chief Engineer)

Date: May 25, 2020



Report No.: BL-SZ2030210-602
EUT Name: Dual Band Combo Module
Model Name: RS9113
Brand Name: Dräger
Test Standard: 47 CFR Part 15 Subpart E
FCC ID: UVF-VISTA9113DWAG

Test Conclusion: Pass
Test Date: Feb. 17, 2020 ~ Feb. 25, 2020
Date of Issue: May 25, 2020

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Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions Content</u>
<u>Rev. 01</u>	<u>May 25, 2020</u>	<u>Initial Issue</u>

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1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	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°C to 25°C
Ambient Relative Humidity	45% to 55%
Ambient Pressure	100 kPa to 102 kPa

1.4 Announce

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

2 PRODUCT INFORMATION

2.1 Applicant

Applicant	Draegerwerk AG & Co. KGaA
Address	Moislinger Allee 53-55 23558 Lubeck, Germany

2.2 Manufacturer

Manufacturer	Draegerwerk AG & Co. KGaA
Address	Moislinger Allee 53-55 23558 Lubeck, Germany

2.3 Factory

Factory	Draegerwerk AG & Co. KGaA
Address	Moislinger Allee 53-55 23558 Lubeck, Germany

2.4 General Description for Equipment under Test (EUT)

EUT Name	Dual Band Combo Module
Model Name Under Test	RS9113
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	WIFI 802.11a, 802.11b, 802.11g, 802.11n Band 1/2/3/4 SRD
-----------------------------------	--

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
Maximum Output Power	Band I: 11.36 dBm Band II: 11.65 dBm Band III: 10.72 dBm Band IV: 11.62 dBm
Antenna System (eg., MIMO, Smart Antenna)	N/A
Categorization as Correlated or Completely Uncorrelated	N/A
About the Product	The equipment is Dual Band Combo Module, intended for used with information technology equipment.

Antenna Manufacturer	Model	Antenna Type	Antenna Gain
Edan	Vista 120/Vista 120S	PIFA	2 dBi
	Vista 120 SC	PIFA	2 dBi
Note: EUT has the 2 kind of alternate antennas, per antenna is tested.			

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	cmd		
Support Units (Software installation media)	Description	Manufacturer	Model
	Notebook	Dell	N/A

Band I (5150 - 5250 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH36	5180	9
11a	CH44	5220	10
11a	CH48	5240	7
11n (HT20)	CH36	5180	8
11n (HT20)	CH44	5220	10
11n (HT20)	CH48	5240	8

Band II (5250 - 5350 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH52	5260	7
11a	CH60	5300	10
11a	CH64	5320	7
11n (HT20)	CH52	5260	8
11n (HT20)	CH60	5300	10
11n (HT20)	CH64	5320	8

Band III (5470 - 5725 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH100	5500	6
11a	CH116	5580	10
11a	CH140	5700	6
11n (HT20)	CH100	5500	6
11n (HT20)	CH116	5580	10
11n (HT20)	CH140	5700	6

Band IV (5725 - 5850 MHz) Power level setup in software			
Mode	Channel	Frequency (MHz)	Soft Set
11a	CH149	5745	10
11a	CH157	5785	10
11a	CH165	5825	10
11n (HT20)	CH149	5745	10
11n (HT20)	CH157	5785	10
11n (HT20)	CH165	5825	10

Run Software

```

root@weihuabiao-E5420: /home/weihuabiao/桌面/RS9113.NBZ.NL.GENR.LNX.1.6.1/source
host/release# ./transmit rpine0 0
Tx Stopped
root@weihuabiao-E5420: /home/weihuabiao/桌面/RS9113.NBZ.NL.GENR.LNX.1.6.1/source
host/release# ./transmit rpine0 10 MCS0 750 1 165 0 1 0 0 0 255
TX PWR is 10

--Tx TEST CONFIGURATION--
Tx POWER      : 10
Tx RATE       : MCS0
PACKET LENGTH : 750
Tx MODE       : CONTINUOUS
CHANNEL NUM   : 165
RATE_FLAGS    : 1
CHAN_WIDTH    : 0
AGGR_ENABLE   : 0
NO OF PACKETS : 0
DELAY         : 0
CTRY_REGION   : 255
Tx Started
root@weihuabiao-E5420: /home/weihuabiao/桌面/RS9113.NBZ.NL.GENR.LNX.1.6.1/source/
host/release#
root@weihuabiao-E5420: /home/weihuabiao/桌面/RS9113.NBZ.NL.GENR.LNX.1.6.1/source/
host/release#

```


2.7 Channel List

20 MHz	
Channel Number	Frequency (MHz)
36	5180
40	5200
44	5220
48	5240
52	5260
56	5280
60	5300
64	5320
100	5500
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

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

Test Items	Mode	Data Rate	Modulation Type	Band I
				Channel
RF Output Power	11a	6	BPSK	48/44/36
	11n(20 MHz)	6.5		48/44/36
Emission Bandwidth & 99% Occupied Bandwidth	11a	6	BPSK	48/44/36
	11n(20 MHz)	6.5		48/44/36
6 dB bandwidth	11a	6	BPSK	N/A
	11n(20 MHz)	6.5		N/A
Power Spectral Density	11a	6	BPSK	48/44/36
	11n(20 MHz)	6.5		48/44/36
Radiated Spurious Emissions	11a	6	BPSK	48/44/36
	11n(20 MHz)	6.5		48/44/36
Band Edge (Restricted-band)	11a	6	BPSK	48/36
	11n(20 MHz)	6.5		48/36

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

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

3.2 Verdict

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

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

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

Note ³: Because EUT has two antenna suppliers, so radiation tests were conducted separately, and the data is distinguished by the antenna model.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	45% to 55%	
Atmospheric Pressure	100 kPa to 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
	LT (Low Temperature)	0°C
	HT (High Temperature)	+40°C
Working Voltage of the EUT	NV (Normal Voltage)	3.3 V
	LV (Low Voltage)	3.0 V
	HV (High Voltage)	3.5 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	2019.10.29	2020.10.28
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	2019.06.15	2020.06.14
DC Power Supply	ROHDE&SCHWARZ	HMP2020	018141664	2019.06.18	2020.06.17
Power Splitter	KMW	DCPD-LDC	1305003215	--	--
Power Sensor	ROHDE&SCHWARZ	NRP-Z21	103971	2019.06.15	2020.06.14
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	--	--
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	--	--
Temperature Chamber	AHK	SP20	1412	2019.06.24	2020.06.23
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2017.11.09	2020.11.08
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	2018.07.11	2020.07.10
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2019.01.05	2021.01.04
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2017.02.21	2022.02.20
Anechoic Chamber	EMC Electronic Co., Ltd	20.10*11.60*7.35m	N/A	2018.07.19	2020.07.18
Shielded Enclosure	ChangNing	CN-130701	130703	--	--
Signal Generator	ROHDE&SCHWARZ	SMB100A	177746	2019.08.23	2020.08.22
Power Amplifier	OPHIR RF	5225F	1037	2020.02.19	2021.02.18
Power Amplifier	OPHIR RF	5273F	1016	2020.02.19	2021.02.18
Directional Coupler	Werlantone	C5982-10	109275	N/A	N/A
Directional Coupler	Werlantone	CHP-273E	S00801z-01	N/A	N/A

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

4.3 Measurement Uncertainty

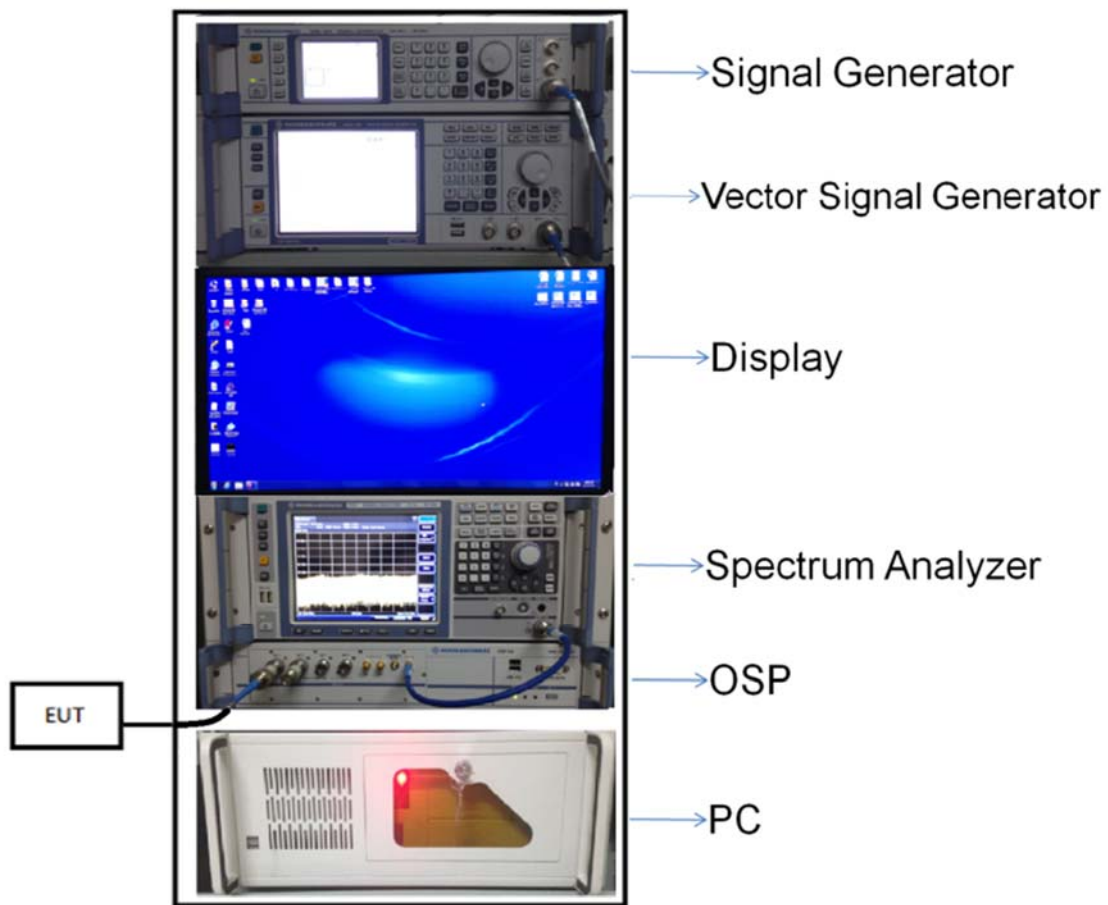
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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

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

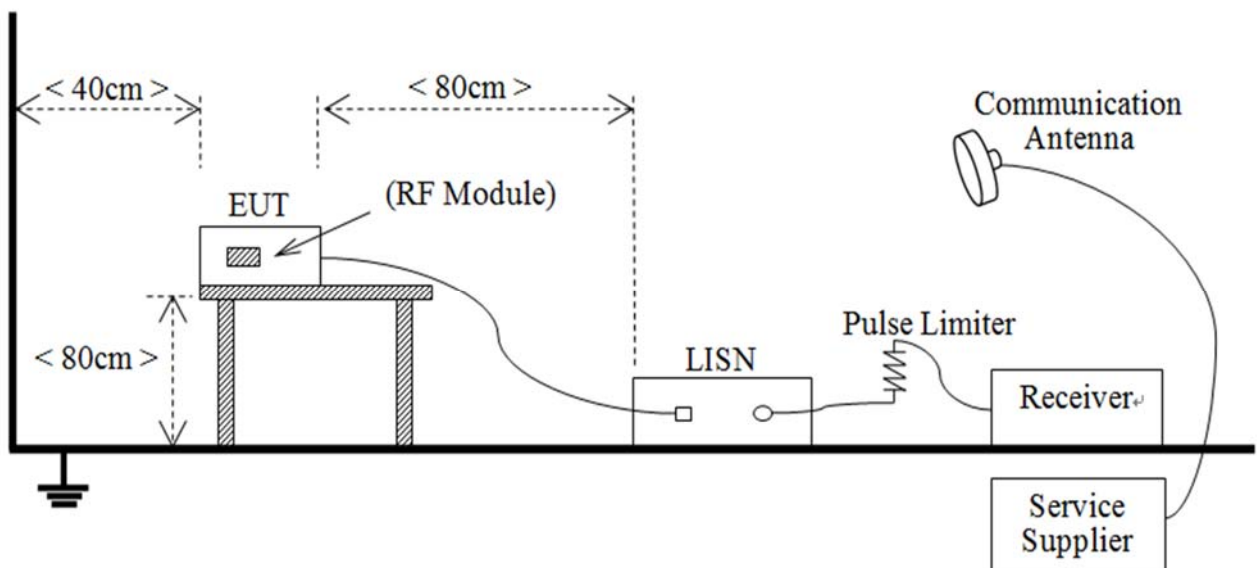
4.4 Description of Test Setup

4.4.1 For Antenna Port Test



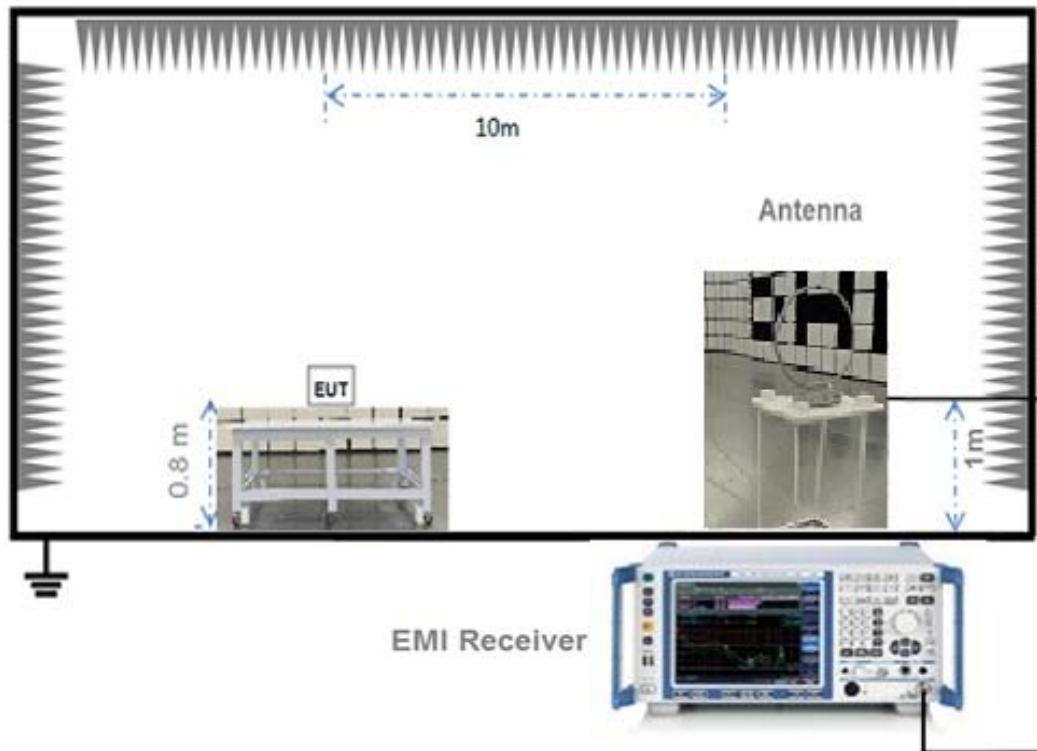
(Diagram 1)

4.4.2 For AC Power Supply Port Test



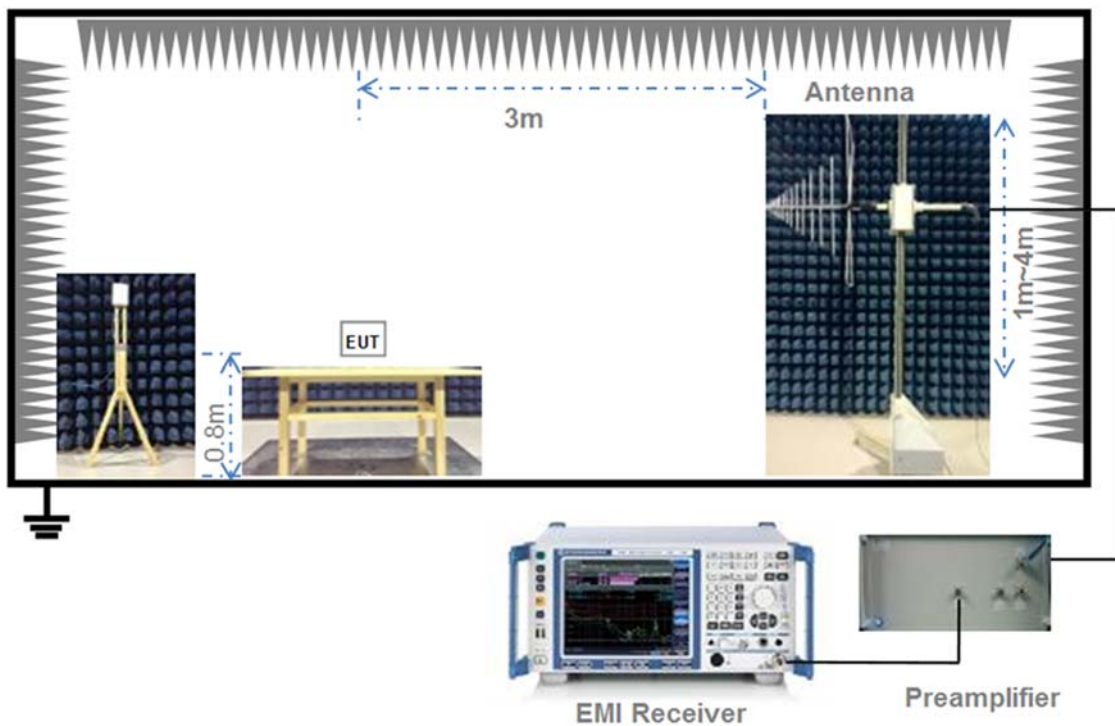
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



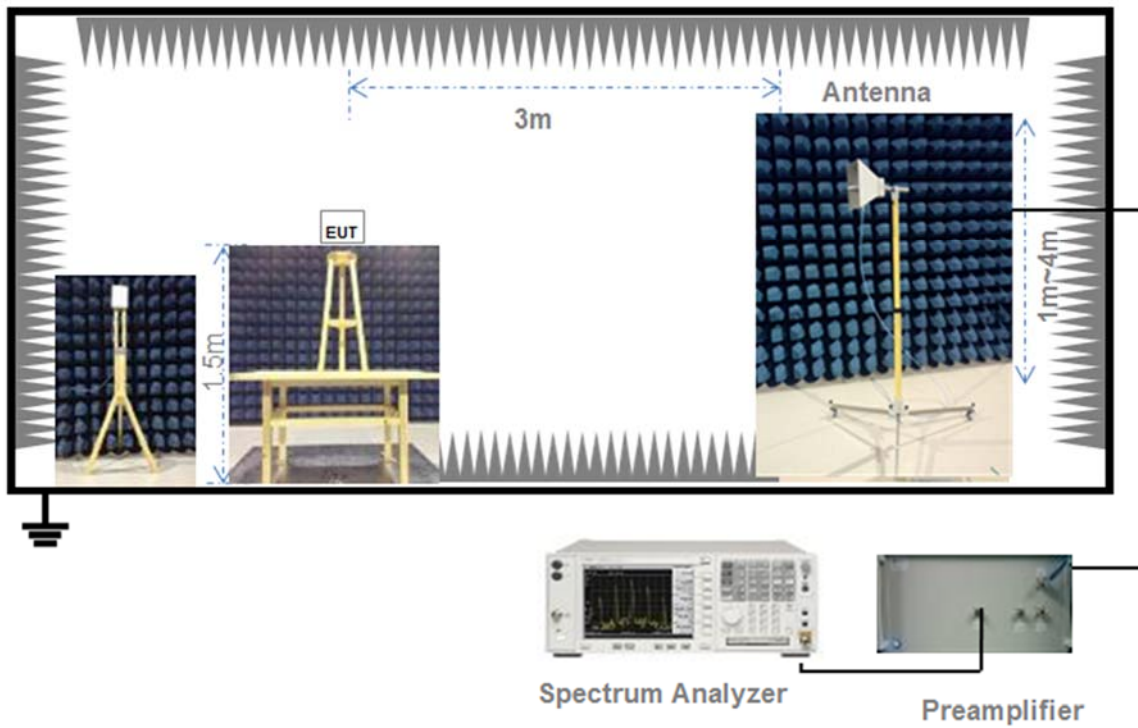
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 RF Output Power

5.1.1 Test Limit

FCC §15.407(a)

The maximum conducted output power should not exceed:

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

RSS-247, 6.2

The maximum conducted output power shall not exceed:

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

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

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

5.1.2 Test Setup

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

5.1.3 Test Procedure

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

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

5.1.4 Test Result

Please refer to ANNEX A.1.

5.2 Emission Bandwidth and 6 dB Bandwidth

5.2.1 Limit

FCC §15.407(a), RSS-247, 6.2

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

5.2.2 Test Setup

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

5.2.3 Test Procedure

Emission bandwidth

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

Occupied Bandwidth

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

6 dB bandwidth

1. Set RBW = 100 kHz, VBW = 300 kHz.
2. Detector = Peak. Trace mode = Max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.2.4 Test Result

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

5.3 Power Spectral density (PSD)

5.3.1 Limit

FCC §15.407(a)

The maximum power spectral density should not exceed:

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

RSS-247, 6.2

The maximum power spectral density should not exceed:

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

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

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

5.3.2 Test Setup

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

5.3.3 Test Procedure

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

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

5.3.4 Test Result

Please refer to ANNEX A.4.

5.4 Conducted Emission

5.4.1 Limit

FCC §15.207, RSS-GEN, 8.8

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

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

5.4.2 Test Setup

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

5.4.3 Test Procedure

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

5.4.4 Test Result

Please refer to ANNEX A.5.

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

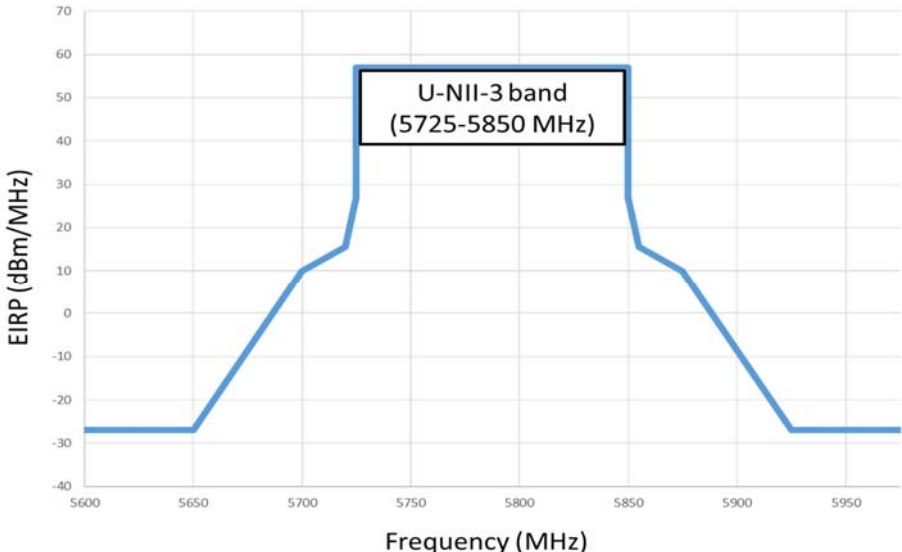
5.5.1 Limit

FCC §15.209 & 15.407(b), RSS-247, 6.2

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	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

Note¹: The Limit for radiated test was performed according to FCC Part 15C

Note²: 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:

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

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

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

Quasi-Peak measurement procedure

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

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

Peak power measurement procedure

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

- a) RBW = as specified in Table 1.
- b) VBW $\geq 3 \times$ 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 $\geq 3 \times$ RBW.
- e) Detector = RMS, if $\text{span}/(\# \text{ of points in sweep}) \leq (\text{RBW}/2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
- f) Averaging type = power (i.e., RMS).
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.
- g) Sweep time = auto.
- h) Perform a trace average of at least 100 traces.
- i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $20 \log(1/x)$, where

x is the duty cycle.

3) If a specific emission is demonstrated to be continuous (≥ 98 percent duty cycle) rather than turning on and off with the transmit cycle, then no duty cycle correction is required for that emission.

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

Determining the applicable transmit antenna gain

A conducted power measurement will determine the maximum output power associated with a restricted band emission; however, in order to determine the associated EIRP level, the gain of the transmitting antenna (in dBi) must be added to the measured output power (in dBm).

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

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

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.5.4 Test Result

Please refer to ANNEX A.6.

ANNEX A TEST RESULT

A.1 RF Output Power

Note ¹: For FCC standard, if transmitting antennas of directional gain greater than 6 dBi are used, all band maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Test Data

Conducted Power

Band I (5150 - 5250 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH36	10.20	10.47	250	Pass
11a	CH44	10.75	11.89	250	Pass
11a	CH48	8.17	6.56	250	Pass
11n (HT20)	CH36	10.27	10.64	250	Pass
11n (HT20)	CH44	11.36	13.68	250	Pass
11n (HT20)	CH48	9.26	8.43	250	Pass

Band II (5250 - 5350 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH52	8.67	7.36	250	Pass
11a	CH60	11.29	13.46	250	Pass
11a	CH64	8.18	6.58	250	Pass
11n (HT20)	CH52	9.88	9.73	250	Pass
11n (HT20)	CH60	11.65	14.62	250	Pass
11n (HT20)	CH64	9.12	8.17	250	Pass

Band III (5470 - 5725 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH100	7.73	5.93	250	Pass
11a	CH116	10.69	11.72	250	Pass
11a	CH140	6.88	4.88	250	Pass
11n (HT20)	CH100	7.89	6.15	250	Pass
11n (HT20)	CH116	10.72	11.80	250	Pass
11n (HT20)	CH140	7.16	5.20	250	Pass

Band IV (5725 - 5850 MHz)					
Mode	Channel	Conducted Power (dBm)	Conducted Power (mW)	FCC Limit (mW)	Verdict
11a	CH149	9.81	9.57	1000	Pass
11a	CH157	11.33	13.58	1000	Pass
11a	CH165	11.50	14.13	1000	Pass
11n (HT20)	CH149	9.90	9.77	1000	Pass
11n (HT20)	CH157	11.43	13.90	1000	Pass
11n (HT20)	CH165	11.62	14.52	1000	Pass

A.2 Emission Bandwidth & 99% Bandwidth

Note: Test plots please refer to the document “Annex No.: BL-SZ2030210-602 Data Part 1.pdf”.

Test Data

Band I (5150 - 5250 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH36	31.84	19.45
11a	CH44	34.68	20.90
11a	CH48	25.68	17.89
11n (HT20)	CH36	33.56	20.09
11n (HT20)	CH44	38.20	24.49
11n (HT20)	CH48	35.28	20.78

Band II (5250 - 5350 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH52	25.56	17.89
11a	CH60	35.12	21.36
11a	CH64	24.96	17.54
11n (HT20)	CH52	36.24	20.43
11n (HT20)	CH60	37.84	23.68
11n (HT20)	CH64	34.04	19.57

Band III (5470 - 5725 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH100	24.24	17.13
11a	CH116	37.48	23.21
11a	CH140	24.32	17.19
11n (HT20)	CH100	25.24	18.29
11n (HT20)	CH116	41.34	25.18
11n (HT20)	CH140	26.04	18.29

Band IV (5725 - 5850 MHz)			
Mode	Channel	26 dB Bandwidth (MHz)	99% Bandwidth (MHz)
11a	CH149	35.32	21.88
11a	CH157	36.24	22.81
11a	CH165	36.64	23.85
11n (HT20)	CH149	39.06	24.08
11n (HT20)	CH157	39.48	24.72
11n (HT20)	CH165	40.92	25.88

A.3 6 dB Bandwidth

Note: Test plots please refer to the document "Annex No.: BL-SZ2030210-602 Data Part 2.pdf".

Test Data

Band IV (5725 - 5850 MHz)				
Mode	Channel	6 dB Bandwidth (MHz)	Limit (kHz)	Verdict
11a	CH149	16.62	500.00	Pass
11a	CH157	16.52	500.00	Pass
11a	CH165	16.57	500.00	Pass
11n (HT20)	CH149	17.77	500.00	Pass
11n (HT20)	CH157	17.77	500.00	Pass
11n (HT20)	CH165	17.82	500.00	Pass

A.4 Power Spectral Density

Note: Test plots please refer to the document “Annex No.: BL-SZ2030210-602 Data Part 3.pdf”.

Test Data

Note 1: The RBW used in Band IV is 1 MHz, and the PSD factor is: $10 \cdot \log(500 \text{ kHz/RBW}) = -3 \text{ dBm}$.

Band I (5150 - 5250 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH36	-0.82	11.00	Pass
11a	CH44	-0.53	11.00	Pass
11a	CH48	-2.94	11.00	Pass
11n (HT20)	CH36	-1.18	11.00	Pass
11n (HT20)	CH44	0.05	11.00	Pass
11n (HT20)	CH48	-2.17	11.00	Pass

Band II (5250 - 5350 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH52	-2.35	11.00	Pass
11a	CH60	0.23	11.00	Pass
11a	CH64	-2.96	11.00	Pass
11n (HT20)	CH52	-1.58	11.00	Pass
11n (HT20)	CH60	0.33	11.00	Pass
11n (HT20)	CH64	-2.26	11.00	Pass

Band III (5470 - 5725 MHz)				
Mode	Channel	PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11a	CH100	-3.35	11.00	Pass
11a	CH116	-0.43	11.00	Pass
11a	CH140	-4.18	11.00	Pass
11n (HT20)	CH100	-3.49	11.00	Pass
11n (HT20)	CH116	-0.67	11.00	Pass
11n (HT20)	CH140	-4.12	11.00	Pass

Band IV (5725 - 5850 MHz)				
Mode	Channel	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Verdict
11a	CH149	-4.24	30.00	Pass
11a	CH157	-2.65	30.00	Pass
11a	CH165	-2.65	30.00	Pass
11n (HT20)	CH149	-4.39	30.00	Pass
11n (HT20)	CH157	-2.84	30.00	Pass
11n (HT20)	CH165	-2.65	30.00	Pass

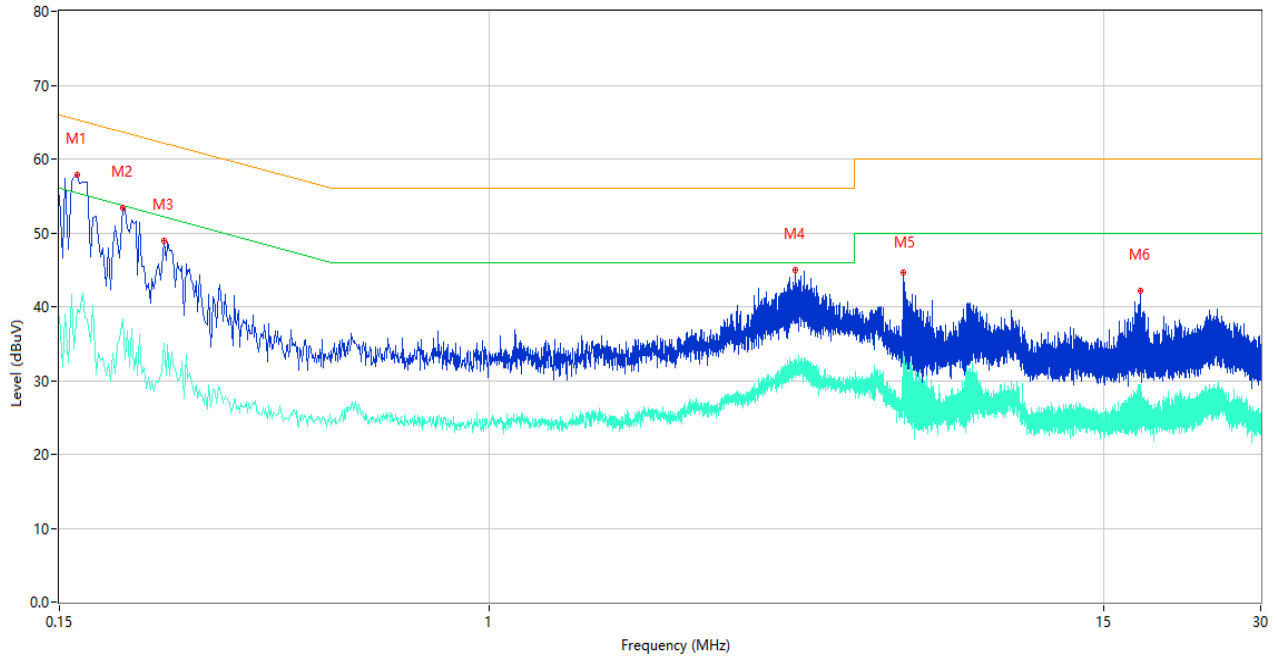
A.5 Conducted Emissions

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

Test Data and Plots

PHASE L

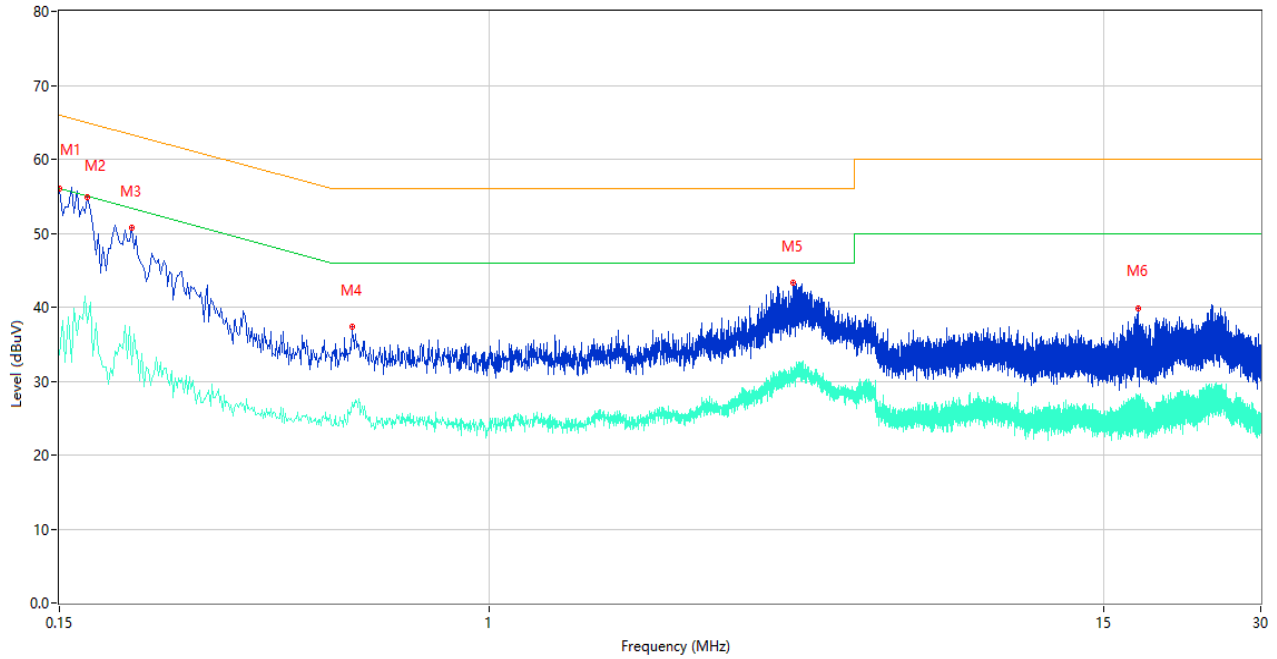
CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.162	57.78	10.40	65.36	-7.58	Peak	L	Pass
1**	0.162	39.75	10.40	55.36	-15.61	AV	L	Pass
2	0.198	53.34	10.38	63.69	-10.35	Peak	L	Pass
2**	0.198	38.33	10.38	53.69	-15.36	AV	L	Pass
3	0.238	48.89	10.35	62.17	-13.28	Peak	L	Pass
3**	0.238	35.08	10.35	52.17	-17.09	AV	L	Pass
4	3.860	44.92	10.30	56.00	-11.08	Peak	L	Pass
4**	3.860	32.90	10.30	46.00	-13.10	AV	L	Pass
5	6.210	44.60	10.34	60.00	-15.40	Peak	L	Pass
5**	6.210	27.09	10.34	50.00	-22.91	AV	L	Pass
6	17.650	42.15	10.48	60.00	-17.85	Peak	L	Pass
6**	17.650	24.97	10.48	50.00	-25.03	AV	L	Pass

PHASE N

CE Test case_FCC_CE_FCC PART 15B_Class B



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.150	55.82	10.41	66.00	-10.18	Peak	N	Pass
1**	0.150	33.55	10.41	56.00	-22.45	AV	N	Pass
2	0.170	54.83	10.40	64.96	-10.13	Peak	N	Pass
2**	0.170	37.85	10.40	54.96	-17.11	AV	N	Pass
3	0.206	50.66	10.38	63.37	-12.71	Peak	N	Pass
3**	0.206	32.28	10.38	53.37	-21.09	AV	N	Pass
4	0.546	37.40	10.29	56.00	-18.60	Peak	N	Pass
4**	0.546	27.11	10.29	46.00	-18.89	AV	N	Pass
5	3.816	43.34	10.29	56.00	-12.66	Peak	N	Pass
5**	3.816	31.33	10.29	46.00	-14.67	AV	N	Pass
6	17.444	39.89	10.48	60.00	-20.11	Peak	N	Pass
6**	17.444	26.28	10.48	50.00	-23.72	AV	N	Pass

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

Test Data

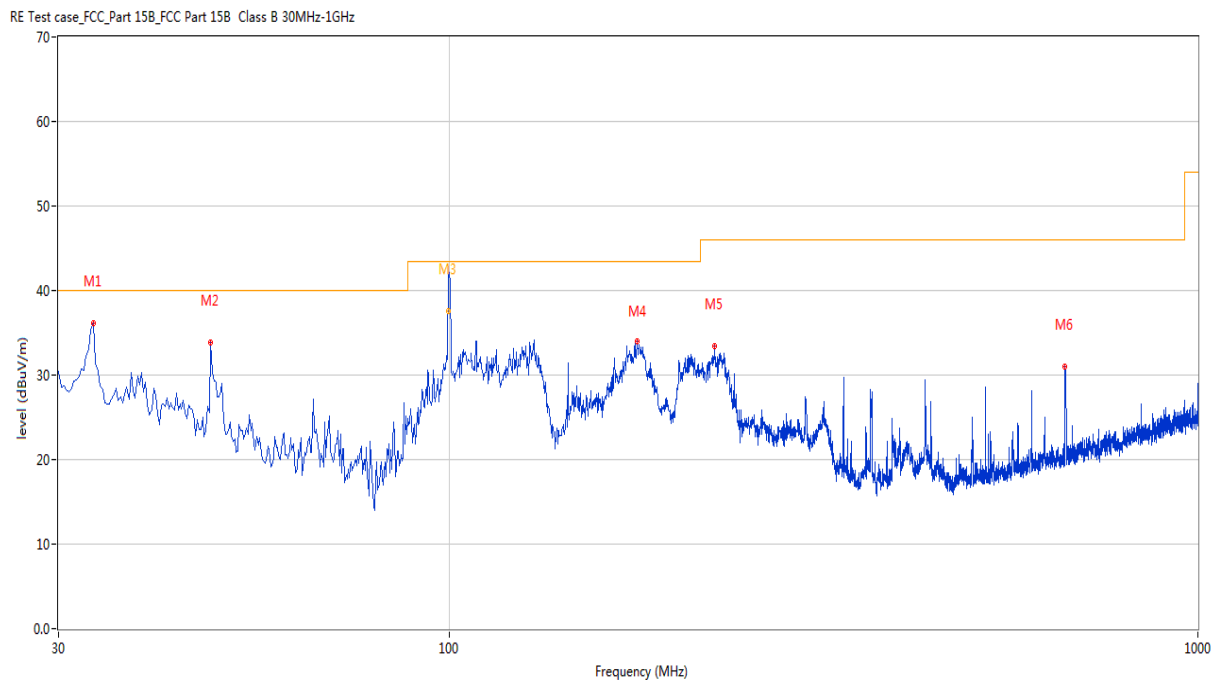
Note¹: The symbol of “--” in the table which means not application.

Note²: 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.

Note³: 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.

Note⁴: The EUT is working in the Normal link mode below 1 GHz.

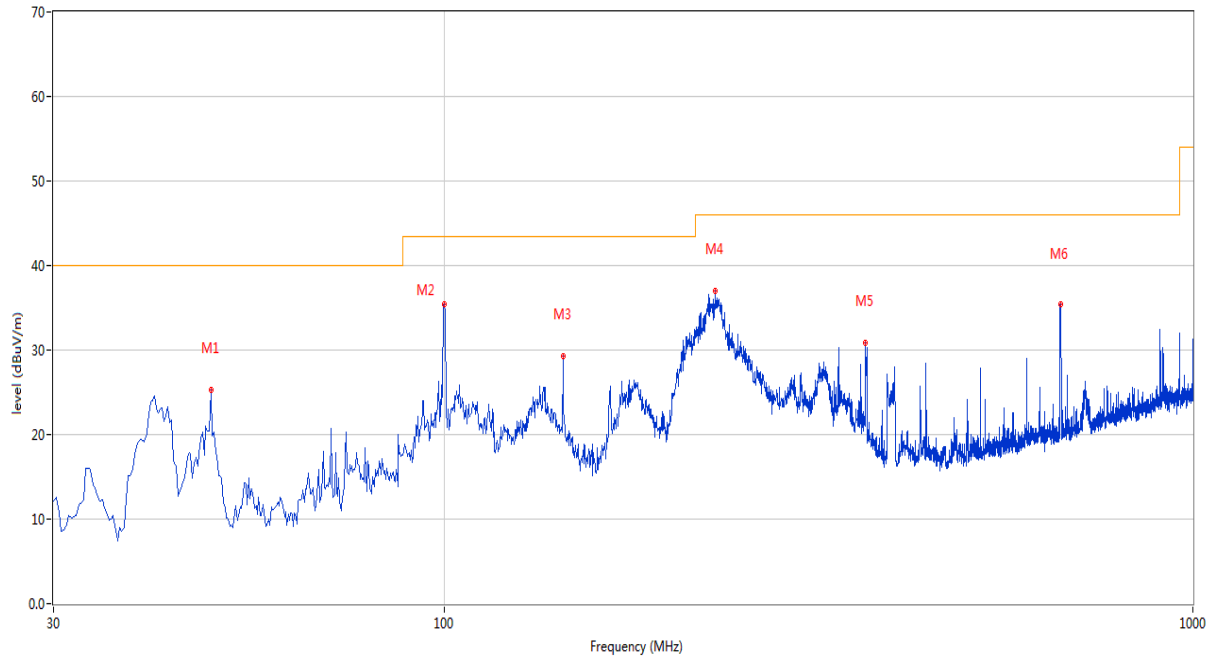
30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.395	36.10	-26.23	40.0	-3.90	Peak	360.00	200	Vertical	Pass
2	47.945	33.93	-22.65	40.0	-6.07	Peak	44.80	100	Vertical	Pass
3	99.598	42.85	-24.79	43.5	-0.65	Peak	21.80	100	Vertical	N/A
3*	99.598	37.52	-24.79	43.5	-5.98	QP	21.80	100	Vertical	Pass
4	178.167	34.06	-26.17	43.5	-9.44	Peak	212.00	100	Vertical	Pass
5	226.182	33.41	-23.76	46.0	-12.59	Peak	271.00	200	Vertical	Pass
6	663.895	30.96	-13.80	46.0	-15.04	Peak	118.50	100	Vertical	Pass

30 MHz to 1 GHz, ANT H

RE Test case_FCC_Part 15B_FCC Part 15B Class B 30MHz-1GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.672	25.24	-22.50	40.0	-14.76	Peak	227.20	100	Horizontal	Pass
2	99.840	35.45	-24.77	43.5	-8.05	Peak	349.00	200	Horizontal	Pass
3	143.975	29.30	-27.70	43.5	-14.20	Peak	319.20	200	Horizontal	Pass
4	230.062	36.99	-23.38	46.0	-9.01	Peak	324.70	100	Horizontal	Pass
5	365.135	30.81	-19.85	46.0	-15.19	Peak	281.80	100	Horizontal	Pass
6	666.562	35.46	-13.57	46.0	-10.54	Peak	254.40	100	Horizontal	Pass

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

Vista 120/Vista 120S

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.000	39.14	-14.67	68.2	-29.06	Peak	360.00	150	Vertical	Pass
1**	1500.000	26.64	-14.67	54.0	-27.36	AV	360.00	150	Vertical	Pass
2	1514.000	40.75	-15.32	68.2	-27.45	Peak	360.00	150	Vertical	Pass
2**	1514.000	26.73	-15.32	54.0	-27.27	AV	360.00	150	Vertical	Pass
3	3990.000	46.13	-3.98	68.2	-22.07	Peak	0.00	150	Vertical	Pass
3**	3990.000	30.18	-3.98	54.0	-23.82	AV	0.00	150	Vertical	Pass
4	5178.000	91.00	-1.16	--	-29.00	Peak	120.00	150	Vertical	N/A
4**	5178.000	83.88	-1.16	--	83.88	AV	120.00	150	Vertical	N/A
5	7593.688	48.41	18.07	68.2	-19.79	Peak	355.00	150	Vertical	Pass
5**	7593.688	33.69	18.07	54.0	-20.31	AV	355.00	150	Vertical	Pass
6	16116.563	53.60	27.04	68.2	-14.60	Peak	314.00	150	Vertical	Pass
6**	16116.563	45.41	27.04	54.0	-8.59	AV	314.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1096.000	36.63	-14.92	68.2	-31.57	Peak	313.00	150	Horizontal	Pass
1**	1096.000	20.35	-14.92	54.0	-33.65	AV	313.00	150	Horizontal	Pass
2	1498.500	38.02	-14.96	68.2	-30.18	Peak	323.00	150	Horizontal	Pass
2**	1498.500	23.28	-14.96	54.0	-30.72	AV	323.00	150	Horizontal	Pass
3	3995.000	46.46	-3.91	68.2	-21.74	Peak	306.00	150	Horizontal	Pass
3**	3995.000	30.16	-3.91	54.0	-23.84	AV	306.00	150	Horizontal	Pass
4	5178.000	94.16	-1.16	--	-51.84	Peak	146.00	150	Horizontal	N/A
4**	5178.000	86.86	-1.16	--	86.86	AV	146.00	150	Horizontal	N/A
5	7613.813	48.92	18.12	68.2	-19.28	Peak	-1.00	150	Horizontal	Pass
5**	7613.813	33.81	18.12	54.0	-20.19	AV	-1.00	150	Horizontal	Pass
6	16184.813	56.37	27.55	68.2	-11.83	Peak	17.00	150	Horizontal	Pass
6**	16184.813	45.95	27.55	54.0	-8.05	AV	17.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1172.000	37.14	-15.00	68.2	-31.06	Peak	289.00	150	Vertical	Pass
1**	1172.000	20.23	-15.00	54.0	-33.77	AV	289.00	150	Vertical	Pass
2	1499.000	39.73	-15.02	68.2	-28.47	Peak	77.00	150	Vertical	Pass
2**	1499.000	27.09	-15.02	54.0	-26.91	AV	77.00	150	Vertical	Pass
3	4305.000	48.15	-3.53	68.2	-20.05	Peak	278.00	150	Vertical	Pass
3**	4305.000	30.90	-3.53	54.0	-23.10	AV	278.00	150	Vertical	Pass
4	5216.000	89.39	-0.91	--	-31.61	Peak	121.00	150	Vertical	N/A
4**	5216.000	81.76	-0.91	--	81.76	AV	121.00	150	Vertical	N/A
5	7447.063	48.41	17.41	68.2	-19.79	Peak	198.00	150	Vertical	Pass
5**	7447.063	34.34	17.41	54.0	-19.66	AV	198.00	150	Vertical	Pass
6	12535.812	52.63	21.56	68.2	-15.57	Peak	293.00	150	Vertical	Pass
6**	12535.812	36.78	21.56	54.0	-17.22	AV	293.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1081.000	40.49	-14.99	68.2	-27.71	Peak	313.00	150	Horizontal	Pass
1**	1081.000	20.50	-14.99	54.0	-33.50	AV	313.00	150	Horizontal	Pass
2	1331.000	46.47	-14.85	68.2	-21.73	Peak	219.00	150	Horizontal	Pass
2**	1331.000	27.72	-14.85	54.0	-26.28	AV	219.00	150	Horizontal	Pass
3	3988.000	46.89	-3.97	68.2	-21.31	Peak	129.00	150	Horizontal	Pass
3**	3988.000	30.51	-3.97	54.0	-23.49	AV	129.00	150	Horizontal	Pass
4	5222.000	92.90	-1.08	--	-87.10	Peak	180.00	150	Horizontal	N/A
4**	5222.000	86.44	-1.08	--	86.44	AV	180.00	150	Horizontal	N/A
5	11985.250	51.98	20.63	68.2	-16.22	Peak	40.00	150	Horizontal	Pass
5**	11985.250	36.00	20.63	54.0	-18.00	AV	40.00	150	Horizontal	Pass
6	16178.250	54.42	27.48	68.2	-13.78	Peak	136.00	150	Horizontal	Pass
6**	16178.250	46.15	27.48	54.0	-7.85	AV	136.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1144.500	36.65	-14.89	68.2	-31.55	Peak	50.00	150	Vertical	Pass
1**	1144.500	20.00	-14.89	54.0	-34.00	AV	50.00	150	Vertical	Pass
2	1498.500	38.81	-14.96	68.2	-29.39	Peak	96.00	150	Vertical	Pass
2**	1498.500	25.81	-14.96	54.0	-28.19	AV	96.00	150	Vertical	Pass
3	4155.000	47.03	-3.41	68.2	-21.17	Peak	82.00	150	Vertical	Pass
3**	4155.000	31.09	-3.41	54.0	-22.91	AV	82.00	150	Vertical	Pass
4	5236.000	89.12	-1.14	--	-16.88	Peak	106.00	150	Vertical	N/A
4**	5236.000	81.64	-1.14	--	81.64	AV	106.00	150	Vertical	N/A
5	7583.625	48.04	17.69	68.2	-20.16	Peak	346.00	150	Vertical	Pass
5**	7583.625	34.39	17.69	54.0	-19.61	AV	346.00	150	Vertical	Pass
6	16190.063	54.16	27.57	68.2	-14.04	Peak	168.00	150	Vertical	Pass
6**	16190.063	46.33	27.57	54.0	-7.67	AV	168.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1096.500	35.96	-14.94	68.2	-32.24	Peak	249.00	150	Horizontal	Pass
1**	1096.500	19.50	-14.94	54.0	-34.50	AV	249.00	150	Horizontal	Pass
2	1532.000	38.27	-15.11	68.2	-29.93	Peak	225.00	150	Horizontal	Pass
2**	1532.000	20.57	-15.11	54.0	-33.43	AV	225.00	150	Horizontal	Pass
3	4003.000	46.24	-3.84	68.2	-21.96	Peak	173.00	150	Horizontal	Pass
3**	4003.000	30.68	-3.84	54.0	-23.32	AV	173.00	150	Horizontal	Pass
4	5241.000	92.21	-0.99	--	-80.79	Peak	173.00	150	Horizontal	N/A
4**	5241.000	83.85	-0.99	--	83.85	AV	173.00	150	Horizontal	N/A
5	7610.937	48.57	18.11	68.2	-19.63	Peak	271.00	150	Horizontal	Pass
5**	7610.937	34.48	18.11	54.0	-19.52	AV	271.00	150	Horizontal	Pass
6	16179.562	54.43	27.52	68.2	-13.77	Peak	284.00	150	Horizontal	Pass
6**	16179.562	46.34	27.52	54.0	-7.66	AV	284.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1105.500	35.84	-15.09	68.2	-32.36	Peak	325.00	150	Vertical	Pass
1**	1105.500	19.44	-15.09	54.0	-34.56	AV	325.00	150	Vertical	Pass
2	1595.000	40.90	-15.22	68.2	-27.30	Peak	361.00	150	Vertical	Pass
2**	1595.000	22.02	-15.22	54.0	-31.98	AV	361.00	150	Vertical	Pass
3	4060.000	46.18	-4.07	68.2	-22.02	Peak	17.00	150	Vertical	Pass
3**	4060.000	30.50	-4.07	54.0	-23.50	AV	17.00	150	Vertical	Pass
4	5186.000	90.18	-0.90	--	-19.82	Peak	110.00	150	Vertical	N/A
4**	5186.000	81.96	-0.90	--	81.96	AV	110.00	150	Vertical	N/A
5	7592.250	48.63	18.00	68.2	-19.57	Peak	234.00	150	Vertical	Pass
5**	7592.250	34.50	18.00	54.0	-19.50	AV	234.00	150	Vertical	Pass
6	16182.187	54.88	27.54	68.2	-13.32	Peak	254.00	150	Vertical	Pass
6**	16182.187	45.93	27.54	54.0	-8.07	AV	254.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1073.500	36.00	-14.98	68.2	-32.20	Peak	158.00	150	Horizontal	Pass
1**	1073.500	19.24	-14.98	54.0	-34.76	AV	158.00	150	Horizontal	Pass
2	1495.000	38.11	-15.17	68.2	-30.09	Peak	146.00	150	Horizontal	Pass
2**	1495.000	22.56	-15.17	54.0	-31.44	AV	146.00	150	Horizontal	Pass
3	4001.000	46.06	-3.82	68.2	-22.14	Peak	295.00	150	Horizontal	Pass
3**	4001.000	30.46	-3.82	54.0	-23.54	AV	295.00	150	Horizontal	Pass
4	5182.000	94.04	-1.06	--	-31.96	Peak	126.00	150	Horizontal	N/A
4**	5182.000	86.11	-1.06	--	86.11	AV	126.00	150	Horizontal	N/A
5	7609.500	48.71	18.06	68.2	-19.49	Peak	0.00	150	Horizontal	Pass
5**	7609.500	33.87	18.06	54.0	-20.13	AV	0.00	150	Horizontal	Pass
6	11962.250	51.49	20.17	68.2	-16.71	Peak	22.00	150	Horizontal	Pass
6**	11962.250	35.08	20.17	54.0	-18.92	AV	22.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1073.500	35.53	-14.98	68.2	-32.67	Peak	310.00	150	Vertical	Pass
1**	1073.500	19.90	-14.98	54.0	-34.10	AV	310.00	150	Vertical	Pass
2	1499.000	39.28	-15.02	68.2	-28.92	Peak	88.00	150	Vertical	Pass
2**	1499.000	25.80	-15.02	54.0	-28.20	AV	88.00	150	Vertical	Pass
3	3888.000	46.00	-4.91	68.2	-22.20	Peak	106.00	150	Vertical	Pass
3**	3888.000	29.70	-4.91	54.0	-24.30	AV	106.00	150	Vertical	Pass
4	5218.000	89.70	-1.02	--	-16.30	Peak	106.00	150	Vertical	N/A
4**	5218.000	82.03	-1.02	--	82.03	AV	106.00	150	Vertical	N/A
5	7592.250	48.19	18.00	68.2	-20.01	Peak	226.00	150	Vertical	Pass
5**	7592.250	34.86	18.00	54.0	-19.14	AV	226.00	150	Vertical	Pass
6	16179.562	55.08	27.52	68.2	-13.12	Peak	209.00	150	Vertical	Pass
6**	16179.562	45.84	27.52	54.0	-8.16	AV	209.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1144.000	36.30	-14.94	68.2	-31.90	Peak	336.00	150	Horizontal	Pass
1**	1144.000	20.02	-14.94	54.0	-33.98	AV	336.00	150	Horizontal	Pass
2	1511.000	37.34	-15.20	68.2	-30.86	Peak	361.00	150	Horizontal	Pass
2**	1511.000	21.78	-15.20	54.0	-32.22	AV	361.00	150	Horizontal	Pass
3	3993.000	46.30	-3.87	68.2	-21.90	Peak	233.00	150	Horizontal	Pass
3**	3993.000	31.02	-3.87	54.0	-22.98	AV	233.00	150	Horizontal	Pass
4	5218.000	93.01	-1.02	--	-62.99	Peak	156.00	150	Horizontal	N/A
4**	5218.000	85.34	-1.02	--	85.34	AV	156.00	150	Horizontal	N/A
5	11584.187	50.63	19.89	68.2	-17.57	Peak	300.00	150	Horizontal	Pass
5**	11584.187	35.41	19.89	54.0	-18.59	AV	300.00	150	Horizontal	Pass
6	16184.813	55.40	27.55	68.2	-12.80	Peak	64.00	150	Horizontal	Pass
6**	16184.813	46.40	27.55	54.0	-7.60	AV	64.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1111.000	35.15	-15.34	68.2	-33.05	Peak	21.00	150	Vertical	Pass
1**	1111.000	19.29	-15.34	54.0	-34.71	AV	21.00	150	Vertical	Pass
2	1497.000	39.73	-15.12	68.2	-28.47	Peak	99.00	150	Vertical	Pass
2**	1497.000	25.49	-15.12	54.0	-28.51	AV	99.00	150	Vertical	Pass
3	4050.000	46.57	-4.35	68.2	-21.63	Peak	74.00	150	Vertical	Pass
3**	4050.000	30.63	-4.35	54.0	-23.37	AV	74.00	150	Vertical	Pass
4	5239.000	88.79	-1.02	--	-24.21	Peak	113.00	150	Vertical	N/A
4**	5239.000	81.42	-1.02	--	81.42	AV	113.00	150	Vertical	N/A
5	7615.250	48.38	17.87	68.2	-19.82	Peak	108.00	150	Vertical	Pass
5**	7615.250	33.68	17.87	54.0	-20.32	AV	108.00	150	Vertical	Pass
6	12038.438	51.24	20.44	68.2	-16.96	Peak	297.00	150	Vertical	Pass
6**	12038.438	36.30	20.44	54.0	-17.70	AV	297.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1125.500	36.35	-15.51	68.2	-31.85	Peak	354.00	150	Horizontal	Pass
1**	1125.500	19.67	-15.51	54.0	-34.33	AV	354.00	150	Horizontal	Pass
2	1498.500	37.09	-14.96	68.2	-31.11	Peak	176.00	150	Horizontal	Pass
2**	1498.500	23.30	-14.96	54.0	-30.70	AV	176.00	150	Horizontal	Pass
3	4045.000	46.41	-4.32	68.2	-21.79	Peak	119.00	150	Horizontal	Pass
3**	4045.000	29.90	-4.32	54.0	-24.10	AV	119.00	150	Horizontal	Pass
4	5244.000	92.46	-1.01	--	-267.54	Peak	360.00	150	Horizontal	N/A
4**	5244.000	84.05	-1.01	--	84.05	AV	360.00	150	Horizontal	N/A
5	12041.312	52.10	20.47	68.2	-16.10	Peak	338.00	150	Horizontal	Pass
5**	12041.312	36.70	20.47	54.0	-17.30	AV	338.00	150	Horizontal	Pass
6	16175.625	54.68	27.38	68.2	-13.52	Peak	-1.00	150	Horizontal	Pass
6**	16175.625	46.06	27.38	54.0	-7.94	AV	-1.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1099.000	35.42	-15.39	68.2	-32.78	Peak	150.00	150	Vertical	Pass
1**	1099.000	18.99	-15.39	54.0	-35.01	AV	150.00	150	Vertical	Pass
2	1494.000	40.68	-15.14	68.2	-27.52	Peak	150.00	150	Vertical	Pass
2**	1494.000	26.35	-15.14	54.0	-27.65	AV	150.00	150	Vertical	Pass
3	4009.000	47.77	-4.16	68.2	-20.43	Peak	323.00	150	Vertical	Pass
3**	4009.000	30.11	-4.16	54.0	-23.89	AV	323.00	150	Vertical	Pass
4	5259.000	88.29	-1.00	--	-11.71	Peak	150.00	150	Vertical	N/A
4**	5259.000	81.45	-1.00	--	81.45	AV	150.00	150	Vertical	N/A
5	7484.438	48.63	16.81	68.2	-19.57	Peak	335.00	150	Vertical	Pass
5**	7484.438	33.78	16.81	54.0	-20.22	AV	335.00	150	Vertical	Pass
6	12610.562	52.55	22.15	68.2	-15.65	Peak	133.00	150	Vertical	Pass
6**	12610.562	37.78	22.15	54.0	-16.22	AV	133.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1124.500	36.25	-15.37	68.2	-31.95	Peak	50.00	150	Horizontal	Pass
1**	1124.500	19.41	-15.37	54.0	-34.59	AV	50.00	150	Horizontal	Pass
2	1599.500	39.46	-15.34	68.2	-28.74	Peak	194.00	150	Horizontal	Pass
2**	1599.500	21.76	-15.34	54.0	-32.24	AV	194.00	150	Horizontal	Pass
3	4092.000	46.39	-4.17	68.2	-21.81	Peak	191.00	150	Horizontal	Pass
3**	4092.000	30.53	-4.17	54.0	-23.47	AV	191.00	150	Horizontal	Pass
4	5259.000	92.29	-1.00	--	-267.71	Peak	360.00	150	Horizontal	N/A
4**	5259.000	85.13	-1.00	--	85.13	AV	360.00	150	Horizontal	N/A
5	12534.375	52.49	21.52	68.2	-15.71	Peak	0.00	150	Horizontal	Pass
5**	12534.375	37.32	21.52	54.0	-16.68	AV	0.00	150	Horizontal	Pass
6	16180.875	55.13	27.54	68.2	-13.07	Peak	132.00	150	Horizontal	Pass
6**	16180.875	46.51	27.54	54.0	-7.49	AV	132.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1094.000	35.85	-14.98	68.2	-32.35	Peak	290.00	150	Vertical	Pass
1**	1094.000	20.41	-14.98	54.0	-33.59	AV	290.00	150	Vertical	Pass
2	1495.500	40.05	-15.19	68.2	-28.15	Peak	85.00	150	Vertical	Pass
2**	1495.500	24.82	-15.19	54.0	-29.18	AV	85.00	150	Vertical	Pass
3	4002.000	46.16	-3.86	68.2	-22.04	Peak	233.00	150	Vertical	Pass
3**	4002.000	30.69	-3.86	54.0	-23.31	AV	233.00	150	Vertical	Pass
4	5301.000	89.00	-0.44	--	-25.00	Peak	114.00	150	Vertical	N/A
4**	5301.000	80.98	-0.44	--	80.98	AV	114.00	150	Vertical	N/A
5	12521.437	51.99	21.07	68.2	-16.21	Peak	39.00	150	Vertical	Pass
5**	12521.437	35.70	21.07	54.0	-18.30	AV	39.00	150	Vertical	Pass
6	16186.125	55.23	27.56	68.2	-12.97	Peak	269.00	150	Vertical	Pass
6**	16186.125	46.18	27.56	54.0	-7.82	AV	269.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1124.000	35.80	-15.34	68.2	-32.40	Peak	233.00	150	Horizontal	Pass
1**	1124.000	19.46	-15.34	54.0	-34.54	AV	233.00	150	Horizontal	Pass
2	1501.500	40.29	-15.21	68.2	-27.91	Peak	22.00	150	Horizontal	Pass
2**	1501.500	24.59	-15.21	54.0	-29.41	AV	22.00	150	Horizontal	Pass
3	3987.000	46.23	-4.02	68.2	-21.97	Peak	360.00	150	Horizontal	Pass
3**	3987.000	30.26	-4.02	54.0	-23.74	AV	360.00	150	Horizontal	Pass
4	5299.000	92.84	-0.66	--	-64.16	Peak	157.00	150	Horizontal	N/A
4**	5299.000	85.15	-0.66	--	85.15	AV	157.00	150	Horizontal	N/A
5	12545.875	52.27	21.74	68.2	-15.93	Peak	283.00	150	Horizontal	Pass
5**	12545.875	36.71	21.74	54.0	-17.29	AV	283.00	150	Horizontal	Pass
6	16187.437	55.53	27.56	68.2	-12.67	Peak	84.00	150	Horizontal	Pass
6**	16187.437	46.30	27.56	54.0	-7.70	AV	84.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1028.500	35.52	-14.52	68.2	-32.68	Peak	255.00	150	Vertical	Pass
1**	1028.500	28.51	-14.52	54.0	-25.49	AV	255.00	150	Vertical	Pass
2	1495.500	40.44	-15.19	68.2	-27.76	Peak	95.00	150	Vertical	Pass
2**	1495.500	25.95	-15.19	54.0	-28.05	AV	95.00	150	Vertical	Pass
3	3897.000	46.22	-4.71	68.2	-21.98	Peak	135.00	150	Vertical	Pass
3**	3897.000	29.99	-4.71	54.0	-24.01	AV	135.00	150	Vertical	Pass
4	5325.000	89.32	-0.06	--	-2.68	Peak	92.00	150	Vertical	N/A
4**	5325.000	82.08	-0.06	--	82.08	AV	92.00	150	Vertical	N/A
5	7546.250	47.66	17.40	68.2	-20.54	Peak	82.00	150	Vertical	Pass
5**	7546.250	33.58	17.40	54.0	-20.42	AV	82.00	150	Vertical	Pass
6	12101.687	51.33	20.77	68.2	-16.87	Peak	0.00	150	Vertical	Pass
6**	12101.687	35.13	20.77	54.0	-18.87	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1135.500	36.13	-15.19	68.2	-32.07	Peak	165.00	150	Horizontal	Pass
1**	1135.500	20.42	-15.19	54.0	-33.58	AV	165.00	150	Horizontal	Pass
2	1497.500	37.77	-15.06	68.2	-30.43	Peak	336.00	150	Horizontal	Pass
2**	1497.500	21.71	-15.06	54.0	-32.29	AV	336.00	150	Horizontal	Pass
3	4003.000	46.91	-3.84	68.2	-21.29	Peak	62.00	150	Horizontal	Pass
3**	4003.000	30.81	-3.84	54.0	-23.19	AV	62.00	150	Horizontal	Pass
4	5322.000	92.48	-0.21	--	-70.52	Peak	163.00	150	Horizontal	N/A
4**	5322.000	86.27	-0.21	--	86.27	AV	163.00	150	Horizontal	N/A
5	7490.187	47.81	17.15	68.2	-20.39	Peak	209.00	150	Horizontal	Pass
5**	7490.187	33.27	17.15	54.0	-20.73	AV	209.00	150	Horizontal	Pass
6	11614.375	51.08	20.31	68.2	-17.12	Peak	209.00	150	Horizontal	Pass
6**	11614.375	35.13	20.31	54.0	-18.87	AV	209.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1095.000	36.02	-14.88	68.2	-32.18	Peak	351.00	150	Vertical	Pass
1**	1095.000	20.11	-14.88	54.0	-33.89	AV	351.00	150	Vertical	Pass
2	1496.000	39.84	-15.21	68.2	-28.36	Peak	235.00	150	Vertical	Pass
2**	1496.000	27.12	-15.21	54.0	-26.88	AV	235.00	150	Vertical	Pass
3	4104.000	47.09	-4.27	68.2	-21.11	Peak	26.00	150	Vertical	Pass
3**	4104.000	30.66	-4.27	54.0	-23.34	AV	26.00	150	Vertical	Pass
4	5258.000	88.03	-1.04	--	-29.97	Peak	118.00	150	Vertical	N/A
4**	5258.000	79.74	-1.04	--	79.74	AV	118.00	150	Vertical	N/A
5	7600.875	48.19	18.33	68.2	-20.01	Peak	4.00	150	Vertical	Pass
5**	7600.875	34.09	18.33	54.0	-19.91	AV	4.00	150	Vertical	Pass
6	12062.875	51.79	20.52	68.2	-16.41	Peak	230.00	150	Vertical	Pass
6**	12062.875	36.96	20.52	54.0	-17.04	AV	230.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1099.500	36.41	-15.36	68.2	-31.79	Peak	89.00	150	Horizontal	Pass
1**	1099.500	19.25	-15.36	54.0	-34.75	AV	89.00	150	Horizontal	Pass
2	1530.000	37.24	-15.01	68.2	-30.96	Peak	265.00	150	Horizontal	Pass
2**	1530.000	20.79	-15.01	54.0	-33.21	AV	265.00	150	Horizontal	Pass
3	4013.000	46.37	-4.32	68.2	-21.83	Peak	323.00	150	Horizontal	Pass
3**	4013.000	30.24	-4.32	54.0	-23.76	AV	323.00	150	Horizontal	Pass
4	5259.000	91.90	-1.00	--	-82.10	Peak	174.00	150	Horizontal	N/A
4**	5259.000	84.81	-1.00	--	84.81	AV	174.00	150	Horizontal	N/A
5	7465.750	47.87	17.15	68.2	-20.33	Peak	90.00	150	Horizontal	Pass
5**	7465.750	34.16	17.15	54.0	-19.84	AV	90.00	150	Horizontal	Pass
6	11969.438	51.46	20.40	68.2	-16.74	Peak	276.00	150	Horizontal	Pass
6**	11969.438	35.47	20.40	54.0	-18.53	AV	276.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1081.500	35.46	-15.00	68.2	-32.74	Peak	213.00	150	Vertical	Pass
1**	1081.500	19.44	-15.00	54.0	-34.56	AV	213.00	150	Vertical	Pass
2	1597.000	40.74	-15.34	68.2	-27.46	Peak	335.00	150	Vertical	Pass
2**	1597.000	23.56	-15.34	54.0	-30.44	AV	335.00	150	Vertical	Pass
3	3943.000	46.89	-4.93	68.2	-21.31	Peak	359.00	150	Vertical	Pass
3**	3943.000	30.17	-4.93	54.0	-23.83	AV	359.00	150	Vertical	Pass
4	5303.000	87.38	-0.31	--	-25.62	Peak	113.00	150	Vertical	N/A
4**	5303.000	80.95	-0.31	--	80.95	AV	113.00	150	Vertical	N/A
5	7608.062	47.83	18.36	68.2	-20.37	Peak	-1.00	150	Vertical	Pass
5**	7608.062	35.73	18.36	54.0	-18.27	AV	-1.00	150	Vertical	Pass
6	12083.000	51.17	20.75	68.2	-17.03	Peak	-1.00	150	Vertical	Pass
6**	12083.000	35.90	20.75	54.0	-18.10	AV	-1.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1035.000	32.41	-14.78	68.2	-35.79	Peak	46.00	150	Horizontal	Pass
1**	1035.000	18.88	-14.78	54.0	-35.12	AV	46.00	150	Horizontal	Pass
2	1578.000	37.83	-15.22	68.2	-30.37	Peak	284.00	150	Horizontal	Pass
2**	1578.000	20.43	-15.22	54.0	-33.57	AV	284.00	150	Horizontal	Pass
3	4165.000	46.80	-2.97	68.2	-21.40	Peak	39.00	150	Horizontal	Pass
3**	4165.000	31.07	-2.97	54.0	-22.93	AV	39.00	150	Horizontal	Pass
4	5304.000	92.08	-0.13	--	-79.92	Peak	172.00	150	Horizontal	N/A
4**	5304.000	84.35	-0.13	--	84.35	AV	172.00	150	Horizontal	N/A
5	7586.500	48.41	17.98	68.2	-19.79	Peak	336.00	150	Horizontal	Pass
5**	7586.500	34.20	17.98	54.0	-19.80	AV	336.00	150	Horizontal	Pass
6	12591.875	53.53	21.83	68.2	-14.67	Peak	96.00	150	Horizontal	Pass
6**	12591.875	37.02	21.83	54.0	-16.98	AV	96.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1148.000	35.52	-15.10	68.2	-32.68	Peak	299.00	150	Vertical	Pass
1**	1148.000	19.74	-15.10	54.0	-34.26	AV	299.00	150	Vertical	Pass
2	1499.500	39.62	-15.07	68.2	-28.58	Peak	72.00	150	Vertical	Pass
2**	1499.500	27.54	-15.07	54.0	-26.46	AV	72.00	150	Vertical	Pass
3	4042.000	47.21	-4.31	68.2	-20.99	Peak	317.00	150	Vertical	Pass
3**	4042.000	30.28	-4.31	54.0	-23.72	AV	317.00	150	Vertical	Pass
4	5322.000	88.72	-0.21	--	-34.28	Peak	123.00	150	Vertical	N/A
4**	5322.000	80.95	-0.21	--	80.95	AV	123.00	150	Vertical	N/A
5	7599.437	47.58	18.34	68.2	-20.62	Peak	193.00	150	Vertical	Pass
5**	7599.437	35.18	18.34	54.0	-18.82	AV	193.00	150	Vertical	Pass
6	12570.313	53.05	21.74	68.2	-15.15	Peak	27.00	150	Vertical	Pass
6**	12570.313	36.87	21.74	54.0	-17.13	AV	27.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1020.000	36.72	-14.41	68.2	-31.48	Peak	360.00	150	Horizontal	Pass
1**	1020.000	21.86	-14.41	54.0	-32.14	AV	360.00	150	Horizontal	Pass
2	1580.500	40.43	-15.27	68.2	-27.77	Peak	334.00	150	Horizontal	Pass
2**	1580.500	25.66	-15.27	54.0	-28.34	AV	334.00	150	Horizontal	Pass
3	4057.000	46.35	-4.36	68.2	-21.85	Peak	107.00	150	Horizontal	Pass
3**	4057.000	30.07	-4.36	54.0	-23.93	AV	107.00	150	Horizontal	Pass
4	5322.000	93.33	-0.21	--	92.33	Peak	1.00	150	Horizontal	N/A
4**	5322.000	85.03	-0.21	--	85.03	AV	1.00	150	Horizontal	N/A
5	7596.562	48.56	18.02	68.2	-19.64	Peak	201.00	150	Horizontal	Pass
5**	7596.562	33.91	18.02	54.0	-20.09	AV	201.00	150	Horizontal	Pass
6	11605.750	50.87	20.16	68.2	-17.33	Peak	94.00	150	Horizontal	Pass
6**	11605.750	35.09	20.16	54.0	-18.91	AV	94.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1113.000	35.26	-15.38	68.2	-32.94	Peak	127.00	150	Vertical	Pass
1**	1113.000	19.53	-15.38	54.0	-34.47	AV	127.00	150	Vertical	Pass
2	1450.500	40.13	-14.91	68.2	-28.07	Peak	173.00	150	Vertical	Pass
2**	1450.500	22.76	-14.91	54.0	-31.24	AV	173.00	150	Vertical	Pass
3	4000.000	46.89	-3.74	68.2	-21.31	Peak	58.00	150	Vertical	Pass
3**	4000.000	30.87	-3.74	54.0	-23.13	AV	58.00	150	Vertical	Pass
4	5501.000	93.12	-0.06	--	-13.88	Peak	107.00	150	Vertical	N/A
4**	5501.000	84.13	-0.06	--	84.13	AV	107.00	150	Vertical	N/A
5	7622.437	48.06	17.64	68.2	-20.14	Peak	66.00	150	Vertical	Pass
5**	7622.437	33.93	17.64	54.0	-20.07	AV	66.00	150	Vertical	Pass
6	12633.562	52.68	22.05	68.2	-15.52	Peak	1.00	150	Vertical	Pass
6**	12633.562	36.95	22.05	54.0	-17.05	AV	1.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1135.000	35.79	-15.19	68.2	-32.41	Peak	171.00	150	Horizontal	Pass
1**	1135.000	19.58	-15.19	54.0	-34.42	AV	171.00	150	Horizontal	Pass
2	1499.500	37.78	-15.07	68.2	-30.42	Peak	203.00	150	Horizontal	Pass
2**	1499.500	23.30	-15.07	54.0	-30.70	AV	203.00	150	Horizontal	Pass
3	4250.000	47.41	-3.81	68.2	-20.79	Peak	11.00	150	Horizontal	Pass
3**	4250.000	30.98	-3.81	54.0	-23.02	AV	11.00	150	Horizontal	Pass
4	5502.000	93.39	0.00	--	-243.61	Peak	337.00	150	Horizontal	N/A
4**	5502.000	87.04	0.00	--	87.04	AV	337.00	150	Horizontal	N/A
5	7557.750	48.39	17.29	68.2	-19.81	Peak	264.00	150	Horizontal	Pass
5**	7557.750	34.27	17.29	54.0	-19.73	AV	264.00	150	Horizontal	Pass
6	12110.312	51.92	20.74	68.2	-16.28	Peak	333.00	150	Horizontal	Pass
6**	12110.312	35.32	20.74	54.0	-18.68	AV	333.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1142.500	36.03	-15.10	68.2	-32.17	Peak	45.00	150	Vertical	Pass
1**	1142.500	19.37	-15.10	54.0	-34.63	AV	45.00	150	Vertical	Pass
2	1497.500	37.71	-15.06	68.2	-30.49	Peak	93.00	150	Vertical	Pass
2**	1497.500	22.06	-15.06	54.0	-31.94	AV	93.00	150	Vertical	Pass
3	4081.000	46.40	-4.42	68.2	-21.80	Peak	51.00	150	Vertical	Pass
3**	4081.000	30.16	-4.42	54.0	-23.84	AV	51.00	150	Vertical	Pass
4	5578.000	91.03	0.12	--	-9.97	Peak	101.00	150	Vertical	N/A
4**	5578.000	84.18	0.12	--	84.18	AV	101.00	150	Vertical	N/A
5	7307.625	48.68	17.40	68.2	-19.52	Peak	342.00	150	Vertical	Pass
5**	7307.625	32.85	17.40	54.0	-21.15	AV	342.00	150	Vertical	Pass
6	12563.125	52.63	21.86	68.2	-15.57	Peak	361.00	150	Vertical	Pass
6**	12563.125	36.89	21.86	54.0	-17.11	AV	361.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1196.000	37.00	-15.26	68.2	-31.20	Peak	28.00	150	Horizontal	Pass
1**	1196.000	20.54	-15.26	54.0	-33.46	AV	28.00	150	Horizontal	Pass
2	1587.500	37.23	-15.07	68.2	-30.97	Peak	62.00	150	Horizontal	Pass
2**	1587.500	21.32	-15.07	54.0	-32.68	AV	62.00	150	Horizontal	Pass
3	4072.000	46.48	-4.21	68.2	-21.72	Peak	316.00	150	Horizontal	Pass
3**	4072.000	30.22	-4.21	54.0	-23.78	AV	316.00	150	Horizontal	Pass
4	5583.000	97.09	-0.32	--	-236.91	Peak	334.00	150	Horizontal	N/A
4**	5583.000	89.97	-0.32	--	89.97	AV	334.00	150	Horizontal	N/A
5	7602.313	49.03	18.35	68.2	-19.17	Peak	243.00	150	Horizontal	Pass
5**	7602.313	34.06	18.35	54.0	-19.94	AV	243.00	150	Horizontal	Pass
6	12590.437	52.81	21.80	68.2	-15.39	Peak	179.00	150	Horizontal	Pass
6**	12590.437	37.65	21.80	54.0	-16.35	AV	179.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1146.000	35.96	-14.83	68.2	-32.24	Peak	35.00	150	Vertical	Pass
1**	1146.000	20.62	-14.83	54.0	-33.38	AV	35.00	150	Vertical	Pass
2	1596.500	41.11	-15.29	68.2	-27.09	Peak	328.00	150	Vertical	Pass
2**	1596.500	28.27	-15.29	54.0	-25.73	AV	328.00	150	Vertical	Pass
3	4001.000	46.63	-3.82	68.2	-21.57	Peak	149.00	150	Vertical	Pass
3**	4001.000	30.29	-3.82	54.0	-23.71	AV	149.00	150	Vertical	Pass
4	5698.000	91.90	-0.70	--	-40.10	Peak	132.00	150	Vertical	N/A
4**	5698.000	84.55	-0.70	--	84.55	AV	132.00	150	Vertical	N/A
5	7600.875	48.37	18.33	68.2	-19.83	Peak	16.00	150	Vertical	Pass
5**	7600.875	38.07	18.33	54.0	-15.93	AV	16.00	150	Vertical	Pass
6	12541.563	52.54	21.72	68.2	-15.66	Peak	136.00	150	Vertical	Pass
6**	12541.563	37.64	21.72	54.0	-16.36	AV	136.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1107.500	36.08	-15.22	68.2	-32.12	Peak	4.00	150	Horizontal	Pass
1**	1107.500	19.24	-15.22	54.0	-34.76	AV	4.00	150	Horizontal	Pass
2	1497.500	38.97	-15.06	68.2	-29.23	Peak	70.00	150	Horizontal	Pass
2**	1497.500	25.30	-15.06	54.0	-28.70	AV	70.00	150	Horizontal	Pass
3	4070.000	46.62	-4.36	68.2	-21.58	Peak	251.00	150	Horizontal	Pass
3**	4070.000	30.00	-4.36	54.0	-24.00	AV	251.00	150	Horizontal	Pass
4	5698.000	90.99	-0.70	--	-22.01	Peak	113.00	150	Horizontal	N/A
4**	5698.000	84.26	-0.70	--	84.26	AV	113.00	150	Horizontal	N/A
5	7452.812	48.64	17.19	68.2	-19.56	Peak	84.00	150	Horizontal	Pass
5**	7452.812	33.15	17.19	54.0	-20.85	AV	84.00	150	Horizontal	Pass
6	11640.250	51.16	20.37	68.2	-17.04	Peak	66.00	150	Horizontal	Pass
6**	11640.250	36.12	20.37	54.0	-17.88	AV	66.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1098.000	36.30	-15.21	68.2	-31.90	Peak	39.00	150	Vertical	Pass
1**	1098.000	20.00	-15.21	54.0	-34.00	AV	39.00	150	Vertical	Pass
2	1499.000	38.73	-15.02	68.2	-29.47	Peak	92.00	150	Vertical	Pass
2**	1499.000	25.72	-15.02	54.0	-28.28	AV	92.00	150	Vertical	Pass
3	4218.000	47.28	-3.95	68.2	-20.92	Peak	199.00	150	Vertical	Pass
3**	4218.000	30.78	-3.95	54.0	-23.22	AV	199.00	150	Vertical	Pass
4	5501.000	90.24	-0.06	--	-34.76	Peak	125.00	150	Vertical	N/A
4**	5501.000	82.92	-0.06	--	82.92	AV	125.00	150	Vertical	N/A
5	7631.063	47.66	16.95	68.2	-20.54	Peak	-1.00	150	Vertical	Pass
5**	7631.063	34.70	16.95	54.0	-19.30	AV	-1.00	150	Vertical	Pass
6	12600.500	53.15	22.01	68.2	-15.05	Peak	-1.00	150	Vertical	Pass
6**	12600.500	37.50	22.01	54.0	-16.50	AV	-1.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1185.500	36.43	-14.92	68.2	-31.77	Peak	243.00	150	Horizontal	Pass
1**	1185.500	20.19	-14.92	54.0	-33.81	AV	243.00	150	Horizontal	Pass
2	1497.000	38.67	-15.12	68.2	-29.53	Peak	153.00	150	Horizontal	Pass
2**	1497.000	21.85	-15.12	54.0	-32.15	AV	153.00	150	Horizontal	Pass
3	4011.000	46.16	-4.21	68.2	-22.04	Peak	138.00	150	Horizontal	Pass
3**	4011.000	29.82	-4.21	54.0	-24.18	AV	138.00	150	Horizontal	Pass
4	5498.000	93.27	-0.17	--	57.27	Peak	36.00	150	Horizontal	N/A
4**	5498.000	85.09	-0.17	--	85.09	AV	36.00	150	Horizontal	N/A
5	7587.937	48.11	17.88	68.2	-20.09	Peak	223.00	150	Horizontal	Pass
5**	7587.937	34.94	17.88	54.0	-19.06	AV	223.00	150	Horizontal	Pass
6	12150.250	51.62	20.78	68.2	-16.58	Peak	312.00	150	Horizontal	Pass
6**	12150.250	34.95	20.78	54.0	-19.05	AV	312.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1168.000	37.06	-15.06	68.2	-31.14	Peak	206.00	150	Vertical	Pass
1**	1168.000	20.28	-15.06	54.0	-33.72	AV	206.00	150	Vertical	Pass
2	1498.500	39.99	-14.96	68.2	-28.21	Peak	103.00	150	Vertical	Pass
2**	1498.500	26.11	-14.96	54.0	-27.89	AV	103.00	150	Vertical	Pass
3	4235.000	47.53	-4.07	68.2	-20.67	Peak	90.00	150	Vertical	Pass
3**	4235.000	30.32	-4.07	54.0	-23.68	AV	90.00	150	Vertical	Pass
4	5579.000	91.42	0.01	--	-16.58	Peak	108.00	150	Vertical	N/A
4**	5579.000	83.24	0.01	--	83.24	AV	108.00	150	Vertical	N/A
5	7471.500	48.11	17.23	68.2	-20.09	Peak	265.00	150	Vertical	Pass
5**	7471.500	34.54	17.23	54.0	-19.46	AV	265.00	150	Vertical	Pass
6	12114.625	51.31	20.72	68.2	-16.89	Peak	284.00	150	Vertical	Pass
6**	12114.625	35.39	20.72	54.0	-18.61	AV	284.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1105.500	36.19	-15.09	68.2	-32.01	Peak	279.00	150	Horizontal	Pass
1**	1105.500	19.85	-15.09	54.0	-34.15	AV	279.00	150	Horizontal	Pass
2	1497.500	37.46	-15.06	68.2	-30.74	Peak	207.00	150	Horizontal	Pass
2**	1497.500	25.11	-15.06	54.0	-28.89	AV	207.00	150	Horizontal	Pass
3	4008.000	46.03	-3.98	68.2	-22.17	Peak	61.00	150	Horizontal	Pass
3**	4008.000	30.39	-3.98	54.0	-23.61	AV	61.00	150	Horizontal	Pass
4	5585.000	96.14	-0.30	--	-233.86	Peak	330.00	150	Horizontal	N/A
4**	5585.000	88.83	-0.30	--	88.83	AV	330.00	150	Horizontal	N/A
5	7618.125	48.86	17.65	68.2	-19.34	Peak	200.00	150	Horizontal	Pass
5**	7618.125	34.60	17.65	54.0	-19.40	AV	200.00	150	Horizontal	Pass
6	12607.688	52.86	22.11	68.2	-15.34	Peak	360.00	150	Horizontal	Pass
6**	12607.688	38.20	22.11	54.0	-15.80	AV	360.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1029.000	41.11	-14.50	68.2	-27.09	Peak	34.00	150	Vertical	Pass
1**	1029.000	28.79	-14.50	54.0	-25.21	AV	34.00	150	Vertical	Pass
2	1580.000	44.42	-15.21	68.2	-23.78	Peak	73.00	150	Vertical	Pass
2**	1580.000	27.59	-15.21	54.0	-26.41	AV	73.00	150	Vertical	Pass
3	4173.000	47.08	-3.57	68.2	-21.12	Peak	106.00	150	Vertical	Pass
3**	4173.000	31.03	-3.57	54.0	-22.97	AV	106.00	150	Vertical	Pass
4	5701.000	91.41	-0.91	--	-14.59	Peak	106.00	150	Vertical	N/A
4**	5701.000	82.29	-0.91	--	82.29	AV	106.00	150	Vertical	N/A
5	7324.875	48.29	17.23	68.2	-19.91	Peak	123.00	150	Vertical	Pass
5**	7324.875	34.91	17.23	54.0	-19.09	AV	123.00	150	Vertical	Pass
6	12604.812	52.01	22.07	68.2	-16.19	Peak	142.00	150	Vertical	Pass
6**	12604.812	36.88	22.07	54.0	-17.12	AV	142.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1124.500	35.66	-15.37	68.2	-32.54	Peak	213.00	150	Horizontal	Pass
1**	1124.500	19.56	-15.37	54.0	-34.44	AV	213.00	150	Horizontal	Pass
2	1498.500	37.31	-14.96	68.2	-30.89	Peak	213.00	150	Horizontal	Pass
2**	1498.500	22.41	-14.96	54.0	-31.59	AV	213.00	150	Horizontal	Pass
3	4012.000	46.87	-4.09	68.2	-21.33	Peak	331.00	150	Horizontal	Pass
3**	4012.000	30.45	-4.09	54.0	-23.55	AV	331.00	150	Horizontal	Pass
4	5695.000	98.92	-0.56	--	-232.08	Peak	331.00	150	Horizontal	N/A
4**	5695.000	88.77	-0.56	--	88.77	AV	331.00	150	Horizontal	N/A
5	7599.437	48.44	18.34	68.2	-19.76	Peak	15.00	150	Horizontal	Pass
5**	7599.437	34.54	18.34	54.0	-19.46	AV	15.00	150	Horizontal	Pass
6	12617.750	53.72	22.26	68.2	-14.48	Peak	-1.00	150	Horizontal	Pass
6**	12617.750	37.28	22.26	54.0	-16.72	AV	-1.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1106.500	35.89	-15.16	68.2	-32.31	Peak	70.00	150	Vertical	Pass
1**	1106.500	19.63	-15.16	54.0	-34.37	AV	70.00	150	Vertical	Pass
2	1497.500	39.04	-15.06	68.2	-29.16	Peak	87.00	150	Vertical	Pass
2**	1497.500	24.95	-15.06	54.0	-29.05	AV	87.00	150	Vertical	Pass
3	3998.000	46.91	-3.87	68.2	-21.29	Peak	214.00	150	Vertical	Pass
3**	3998.000	30.58	-3.87	54.0	-23.42	AV	214.00	150	Vertical	Pass
4	5742.000	88.40	0.42	--	6.40	Peak	82.00	150	Vertical	N/A
4**	5742.000	81.87	0.42	--	81.87	AV	82.00	150	Vertical	N/A
5	7592.250	48.28	18.00	68.2	-19.92	Peak	189.00	150	Vertical	Pass
5**	7592.250	33.85	18.00	54.0	-20.15	AV	189.00	150	Vertical	Pass
6	12508.500	51.67	20.87	68.2	-16.53	Peak	247.00	150	Vertical	Pass
6**	12508.500	37.06	20.87	54.0	-16.94	AV	247.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1069.000	35.98	-15.07	68.2	-32.22	Peak	125.00	150	Horizontal	Pass
1**	1069.000	18.99	-15.07	54.0	-35.01	AV	125.00	150	Horizontal	Pass
2	1498.500	37.74	-14.96	68.2	-30.46	Peak	217.00	150	Horizontal	Pass
2**	1498.500	22.79	-14.96	54.0	-31.21	AV	217.00	150	Horizontal	Pass
3	4171.000	47.94	-3.44	68.2	-20.26	Peak	6.00	150	Horizontal	Pass
3**	4171.000	30.72	-3.44	54.0	-23.28	AV	6.00	150	Horizontal	Pass
4	5743.000	96.01	0.21	--	-232.99	Peak	329.00	150	Horizontal	N/A
4**	5743.000	89.16	0.21	--	89.16	AV	329.00	150	Horizontal	N/A
5	7610.937	49.29	18.11	68.2	-18.91	Peak	229.00	150	Horizontal	Pass
5**	7610.937	36.15	18.11	54.0	-17.85	AV	229.00	150	Horizontal	Pass
6	12535.812	53.05	21.56	68.2	-15.15	Peak	209.00	150	Horizontal	Pass
6**	12535.812	37.05	21.56	54.0	-16.95	AV	209.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.000	36.72	-15.14	68.2	-31.48	Peak	141.00	150	Vertical	Pass
1**	1065.000	19.50	-15.14	54.0	-34.50	AV	141.00	150	Vertical	Pass
2	1496.500	39.63	-15.19	68.2	-28.57	Peak	105.00	150	Vertical	Pass
2**	1496.500	27.60	-15.19	54.0	-26.40	AV	105.00	150	Vertical	Pass
3	4092.000	46.98	-4.17	68.2	-21.22	Peak	0.00	150	Vertical	Pass
3**	4092.000	30.19	-4.17	54.0	-23.81	AV	0.00	150	Vertical	Pass
4	5783.000	88.90	0.32	--	-6.10	Peak	95.00	150	Vertical	N/A
4**	5783.000	81.42	0.32	--	81.42	AV	95.00	150	Vertical	N/A
5	7609.500	48.67	18.06	68.2	-19.53	Peak	245.00	150	Vertical	Pass
5**	7609.500	34.60	18.06	54.0	-19.40	AV	245.00	150	Vertical	Pass
6	12574.625	51.92	21.66	68.2	-16.28	Peak	319.00	150	Vertical	Pass
6**	12574.625	36.68	21.66	54.0	-17.32	AV	319.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1094.500	35.44	-14.89	68.2	-32.76	Peak	339.00	150	Horizontal	Pass
1**	1094.500	19.95	-14.89	54.0	-34.05	AV	339.00	150	Horizontal	Pass
2	1527.000	36.89	-15.09	68.2	-31.31	Peak	165.00	150	Horizontal	Pass
2**	1527.000	20.28	-15.09	54.0	-33.72	AV	165.00	150	Horizontal	Pass
3	4059.000	46.76	-3.93	68.2	-21.44	Peak	35.00	150	Horizontal	Pass
3**	4059.000	30.56	-3.93	54.0	-23.44	AV	35.00	150	Horizontal	Pass
4	5790.000	97.05	0.48	--	-227.95	Peak	325.00	150	Horizontal	N/A
4**	5790.000	89.75	0.48	--	89.75	AV	325.00	150	Horizontal	N/A
5	7598.000	48.22	18.18	68.2	-19.98	Peak	36.00	150	Horizontal	Pass
5**	7598.000	34.25	18.18	54.0	-19.75	AV	36.00	150	Horizontal	Pass
6	12095.938	51.62	20.77	68.2	-16.58	Peak	349.00	150	Horizontal	Pass
6**	12095.938	35.46	20.77	54.0	-18.54	AV	349.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1171.000	36.86	-14.97	68.2	-31.34	Peak	228.00	150	Vertical	Pass
1**	1171.000	20.43	-14.97	54.0	-33.57	AV	228.00	150	Vertical	Pass
2	1593.000	40.95	-15.13	68.2	-27.25	Peak	325.00	150	Vertical	Pass
2**	1593.000	21.14	-15.13	54.0	-32.86	AV	325.00	150	Vertical	Pass
3	4018.000	46.79	-4.61	68.2	-21.41	Peak	243.00	150	Vertical	Pass
3**	4018.000	30.68	-4.61	54.0	-23.32	AV	243.00	150	Vertical	Pass
4	5826.000	90.43	0.55	--	-11.57	Peak	102.00	150	Vertical	N/A
4**	5826.000	82.39	0.55	--	82.39	AV	102.00	150	Vertical	N/A
5	7468.625	48.68	17.13	68.2	-19.52	Peak	77.00	150	Vertical	Pass
5**	7468.625	34.57	17.13	54.0	-19.43	AV	77.00	150	Vertical	Pass
6	11602.875	50.89	20.12	68.2	-17.31	Peak	57.00	150	Vertical	Pass
6**	11602.875	35.58	20.12	54.0	-18.42	AV	57.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1164.500	37.47	-14.82	68.2	-30.73	Peak	33.00	150	Horizontal	Pass
1**	1164.500	20.63	-14.82	54.0	-33.37	AV	33.00	150	Horizontal	Pass
2	1579.500	41.48	-15.15	68.2	-26.72	Peak	0.00	150	Horizontal	Pass
2**	1579.500	23.05	-15.15	54.0	-30.95	AV	0.00	150	Horizontal	Pass
3	4275.000	47.64	-3.64	68.2	-20.56	Peak	0.00	150	Horizontal	Pass
3**	4275.000	30.92	-3.64	54.0	-23.08	AV	0.00	150	Horizontal	Pass
4	5827.000	97.97	0.53	--	-234.03	Peak	332.00	150	Horizontal	N/A
4**	5827.000	91.06	0.53	--	91.06	AV	332.00	150	Horizontal	N/A
5	7608.062	48.14	18.36	68.2	-20.06	Peak	167.00	150	Horizontal	Pass
5**	7608.062	33.71	18.36	54.0	-20.29	AV	167.00	150	Horizontal	Pass
6	11972.312	51.67	20.49	68.2	-16.53	Peak	309.00	150	Horizontal	Pass
6**	11972.312	36.46	20.49	54.0	-17.54	AV	309.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1125.000	36.17	-15.44	68.2	-32.03	Peak	96.00	150	Vertical	Pass
1**	1125.000	19.77	-15.44	54.0	-34.23	AV	96.00	150	Vertical	Pass
2	1598.500	41.12	-15.44	68.2	-27.08	Peak	332.00	150	Vertical	Pass
2**	1598.500	23.74	-15.44	54.0	-30.26	AV	332.00	150	Vertical	Pass
3	4165.000	47.24	-2.97	68.2	-20.96	Peak	-1.00	150	Vertical	Pass
3**	4165.000	31.45	-2.97	54.0	-22.55	AV	-1.00	150	Vertical	Pass
4	5743.000	88.55	0.21	--	-14.45	Peak	103.00	150	Vertical	N/A
4**	5743.000	80.47	0.21	--	80.47	AV	103.00	150	Vertical	N/A
5	7598.000	47.68	18.18	68.2	-20.52	Peak	156.00	150	Vertical	Pass
5**	7598.000	34.77	18.18	54.0	-19.23	AV	156.00	150	Vertical	Pass
6	12530.062	52.72	21.37	68.2	-15.48	Peak	0.00	150	Vertical	Pass
6**	12530.062	36.84	21.37	54.0	-17.16	AV	0.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1096.000	36.14	-14.92	68.2	-32.06	Peak	115.00	150	Horizontal	Pass
1**	1096.000	19.64	-14.92	54.0	-34.36	AV	115.00	150	Horizontal	Pass
2	1471.000	38.39	-14.86	68.2	-29.81	Peak	287.00	150	Horizontal	Pass
2**	1471.000	22.10	-14.86	54.0	-31.90	AV	287.00	150	Horizontal	Pass
3	4000.000	46.40	-3.74	68.2	-21.80	Peak	-1.00	150	Horizontal	Pass
3**	4000.000	30.43	-3.74	54.0	-23.57	AV	-1.00	150	Horizontal	Pass
4	5747.000	95.50	-0.18	--	-228.50	Peak	324.00	150	Horizontal	N/A
4**	5747.000	87.55	-0.18	--	87.55	AV	324.00	150	Horizontal	N/A
5	7608.062	48.24	18.36	68.2	-19.96	Peak	361.00	150	Horizontal	Pass
5**	7608.062	34.20	18.36	54.0	-19.80	AV	361.00	150	Horizontal	Pass
6	12093.062	51.70	20.77	68.2	-16.50	Peak	2.00	150	Horizontal	Pass
6**	12093.062	35.11	20.77	54.0	-18.89	AV	2.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1138.000	36.58	-15.00	68.2	-31.62	Peak	317.00	150	Vertical	Pass
1**	1138.000	20.26	-15.00	54.0	-33.74	AV	317.00	150	Vertical	Pass
2	1495.000	39.59	-15.17	68.2	-28.61	Peak	98.00	150	Vertical	Pass
2**	1495.000	26.45	-15.17	54.0	-27.55	AV	98.00	150	Vertical	Pass
3	4116.000	46.76	-4.56	68.2	-21.44	Peak	1.00	150	Vertical	Pass
3**	4116.000	30.26	-4.56	54.0	-23.74	AV	1.00	150	Vertical	Pass
4	5784.000	86.91	0.35	--	-20.09	Peak	107.00	150	Vertical	N/A
4**	5784.000	79.94	0.35	--	79.94	AV	107.00	150	Vertical	N/A
5	7480.125	48.04	16.91	68.2	-20.16	Peak	241.00	150	Vertical	Pass
5**	7480.125	33.80	16.91	54.0	-20.20	AV	241.00	150	Vertical	Pass
6	12550.187	52.43	21.77	68.2	-15.77	Peak	116.00	150	Vertical	Pass
6**	12550.187	36.85	21.77	54.0	-17.15	AV	116.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1134.000	35.78	-15.21	68.2	-32.42	Peak	194.00	150	Horizontal	Pass
1**	1134.000	19.53	-15.21	54.0	-34.47	AV	194.00	150	Horizontal	Pass
2	1494.000	38.41	-15.14	68.2	-29.79	Peak	174.00	150	Horizontal	Pass
2**	1494.000	22.30	-15.14	54.0	-31.70	AV	174.00	150	Horizontal	Pass
3	4058.000	46.65	-4.13	68.2	-21.55	Peak	223.00	150	Horizontal	Pass
3**	4058.000	30.46	-4.13	54.0	-23.54	AV	223.00	150	Horizontal	Pass
4	5786.000	97.53	0.24	--	-226.47	Peak	324.00	150	Horizontal	N/A
4**	5786.000	87.56	0.24	--	87.56	AV	324.00	150	Horizontal	N/A
5	7603.750	48.40	18.34	68.2	-19.80	Peak	361.00	150	Horizontal	Pass
5**	7603.750	34.26	18.34	54.0	-19.74	AV	361.00	150	Horizontal	Pass
6	12001.063	51.26	20.30	68.2	-16.94	Peak	137.00	150	Horizontal	Pass
6**	12001.063	35.88	20.30	54.0	-18.12	AV	137.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1140.000	36.07	-14.92	68.2	-32.13	Peak	204.00	150	Vertical	Pass
1**	1140.000	20.00	-14.92	54.0	-34.00	AV	204.00	150	Vertical	Pass
2	1499.000	39.87	-15.02	68.2	-28.33	Peak	99.00	150	Vertical	Pass
2**	1499.000	26.87	-15.02	54.0	-27.13	AV	99.00	150	Vertical	Pass
3	4008.000	46.29	-3.98	68.2	-21.91	Peak	13.00	150	Vertical	Pass
3**	4008.000	31.08	-3.98	54.0	-22.92	AV	13.00	150	Vertical	Pass
4	5826.000	89.38	0.55	--	-5.62	Peak	95.00	150	Vertical	N/A
4**	5826.000	80.10	0.55	--	80.10	AV	95.00	150	Vertical	N/A
5	7539.062	47.87	17.39	68.2	-20.33	Peak	0.00	150	Vertical	Pass
5**	7539.062	33.39	17.39	54.0	-20.61	AV	0.00	150	Vertical	Pass
6	12568.875	52.88	21.76	68.2	-15.32	Peak	38.00	150	Vertical	Pass
6**	12568.875	37.02	21.76	54.0	-16.98	AV	38.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1152.000	36.11	-15.06	68.2	-32.09	Peak	251.00	150	Horizontal	Pass
1**	1152.000	20.05	-15.06	54.0	-33.95	AV	251.00	150	Horizontal	Pass
2	1572.000	37.82	-15.09	68.2	-30.38	Peak	361.00	150	Horizontal	Pass
2**	1572.000	21.08	-15.09	54.0	-32.92	AV	361.00	150	Horizontal	Pass
3	4059.000	46.91	-3.93	68.2	-21.29	Peak	359.00	150	Horizontal	Pass
3**	4059.000	30.62	-3.93	54.0	-23.38	AV	359.00	150	Horizontal	Pass
4	5821.000	97.39	0.49	--	88.39	Peak	9.00	150	Horizontal	N/A
4**	5821.000	88.69	0.49	--	88.69	AV	9.00	150	Horizontal	N/A
5	7531.875	47.85	17.38	68.2	-20.35	Peak	281.00	150	Horizontal	Pass
5**	7531.875	33.63	17.38	54.0	-20.37	AV	281.00	150	Horizontal	Pass
6	12568.875	53.16	21.76	68.2	-15.04	Peak	155.00	150	Horizontal	Pass
6**	12568.875	37.41	21.76	54.0	-16.59	AV	155.00	150	Horizontal	Pass

Vista 120 SC

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1085.500	36.12	-15.19	68.2	-32.08	Peak	195.00	150	Vertical	Pass
1**	1085.500	19.18	-15.19	54.0	-34.82	AV	195.00	150	Vertical	Pass
2	1499.500	38.21	-15.07	68.2	-29.99	Peak	204.00	150	Vertical	Pass
2**	1499.500	25.91	-15.07	54.0	-28.09	AV	204.00	150	Vertical	Pass
3	4048.000	46.10	-4.18	68.2	-22.10	Peak	177.00	150	Vertical	Pass
3**	4048.000	29.95	-4.18	54.0	-24.05	AV	177.00	150	Vertical	Pass
4	5182.000	94.11	-1.06	--	-10.89	Peak	105.00	150	Vertical	N/A
4**	5182.000	87.12	-1.06	--	87.12	AV	105.00	150	Vertical	N/A
5	7602.313	47.67	18.35	68.2	-20.53	Peak	111.00	150	Vertical	Pass
5**	7602.313	34.30	18.35	54.0	-19.70	AV	111.00	150	Vertical	Pass
6	12527.188	53.25	21.27	68.2	-14.95	Peak	352.00	150	Vertical	Pass
6**	12527.188	37.39	21.27	54.0	-16.61	AV	352.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1091.000	36.27	-15.18	68.2	-31.93	Peak	329.00	150	Horizontal	Pass
1**	1091.000	19.25	-15.18	54.0	-34.75	AV	329.00	150	Horizontal	Pass
2	1495.000	37.94	-15.17	68.2	-30.26	Peak	165.00	150	Horizontal	Pass
2**	1495.000	25.21	-15.17	54.0	-28.79	AV	165.00	150	Horizontal	Pass
3	4173.000	46.88	-3.57	68.2	-21.32	Peak	18.00	150	Horizontal	Pass
3**	4173.000	32.08	-3.57	54.0	-21.92	AV	18.00	150	Horizontal	Pass
4	5175.000	150.88	-1.24	--	20.88	Peak	80.00	150	Horizontal	N/A
4**	5175.000	92.40	-1.24	--	92.40	AV	80.00	150	Horizontal	N/A
5	7618.125	48.42	17.65	68.2	-19.78	Peak	189.00	150	Horizontal	Pass
5**	7618.125	34.37	17.65	54.0	-19.63	AV	189.00	150	Horizontal	Pass
6	12553.062	53.66	21.81	68.2	-14.54	Peak	312.00	150	Horizontal	Pass
6**	12553.062	37.72	21.81	54.0	-16.28	AV	312.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1120.000	36.02	-15.31	68.2	-32.18	Peak	0.00	150	Vertical	Pass
1**	1120.000	19.74	-15.31	54.0	-34.26	AV	0.00	150	Vertical	Pass
2	1495.500	39.82	-15.19	68.2	-28.38	Peak	99.00	150	Vertical	Pass
2**	1495.500	24.30	-15.19	54.0	-29.70	AV	99.00	150	Vertical	Pass
3	4108.000	46.38	-4.30	68.2	-21.82	Peak	236.00	150	Vertical	Pass
3**	4108.000	30.70	-4.30	54.0	-23.30	AV	236.00	150	Vertical	Pass
4	5221.000	94.01	-1.05	--	-13.99	Peak	108.00	150	Vertical	N/A
4**	5221.000	85.53	-1.05	--	85.53	AV	108.00	150	Vertical	N/A
5	7448.500	48.63	17.38	68.2	-19.57	Peak	54.00	150	Vertical	Pass
5**	7448.500	34.28	17.38	54.0	-19.72	AV	54.00	150	Vertical	Pass
6	12555.938	52.95	21.85	68.2	-15.25	Peak	361.00	150	Vertical	Pass
6**	12555.938	37.21	21.85	54.0	-16.79	AV	361.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1021.000	36.53	-14.44	68.2	-31.67	Peak	31.00	150	Horizontal	Pass
1**	1021.000	19.98	-14.44	54.0	-34.02	AV	31.00	150	Horizontal	Pass
2	1493.500	38.78	-15.18	68.2	-29.42	Peak	330.00	150	Horizontal	Pass
2**	1493.500	20.85	-15.18	54.0	-33.15	AV	330.00	150	Horizontal	Pass
3	3999.000	46.49	-3.75	68.2	-21.71	Peak	229.00	150	Horizontal	Pass
3**	3999.000	30.74	-3.75	54.0	-23.26	AV	229.00	150	Horizontal	Pass
4	5221.000	99.76	-1.05	--	17.76	Peak	82.00	150	Horizontal	N/A
4**	5221.000	92.02	-1.05	--	92.02	AV	82.00	150	Horizontal	N/A
5	7596.562	47.82	18.02	68.2	-20.38	Peak	223.00	150	Horizontal	Pass
5**	7596.562	35.02	18.02	54.0	-18.98	AV	223.00	150	Horizontal	Pass
6	12555.938	52.08	21.85	68.2	-16.12	Peak	64.00	150	Horizontal	Pass
6**	12555.938	37.54	21.85	54.0	-16.46	AV	64.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1013.000	33.76	-14.62	68.2	-34.44	Peak	263.00	150	Vertical	Pass
1**	1013.000	19.19	-14.62	54.0	-34.81	AV	263.00	150	Vertical	Pass
2	1498.500	39.66	-14.96	68.2	-28.54	Peak	150.00	150	Vertical	Pass
2**	1498.500	25.57	-14.96	54.0	-28.43	AV	150.00	150	Vertical	Pass
3	4016.000	46.71	-4.47	68.2	-21.49	Peak	281.00	150	Vertical	Pass
3**	4016.000	30.51	-4.47	54.0	-23.49	AV	281.00	150	Vertical	Pass
4	5241.000	93.17	-0.99	--	-10.83	Peak	104.00	150	Vertical	N/A
4**	5241.000	85.28	-0.99	--	85.28	AV	104.00	150	Vertical	N/A
5	7593.688	48.02	18.07	68.2	-20.18	Peak	84.00	150	Vertical	Pass
5**	7593.688	35.37	18.07	54.0	-18.63	AV	84.00	150	Vertical	Pass
6	12507.062	51.99	20.85	68.2	-16.21	Peak	40.00	150	Vertical	Pass
6**	12507.062	35.82	20.85	54.0	-18.18	AV	40.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1172.500	36.13	-15.02	68.2	-32.07	Peak	52.00	150	Horizontal	Pass
1**	1172.500	20.37	-15.02	54.0	-33.63	AV	52.00	150	Horizontal	Pass
2	1496.500	37.75	-15.19	68.2	-30.45	Peak	204.00	150	Horizontal	Pass
2**	1496.500	24.80	-15.19	54.0	-29.20	AV	204.00	150	Horizontal	Pass
3	3894.000	46.50	-4.62	68.2	-21.70	Peak	21.00	150	Horizontal	Pass
3**	3894.000	30.54	-4.62	54.0	-23.46	AV	21.00	150	Horizontal	Pass
4	5242.000	150.15	-0.88	--	22.15	Peak	78.00	150	Horizontal	N/A
4**	5242.000	93.74	-0.88	--	93.74	AV	78.00	150	Horizontal	N/A
5	7593.688	48.24	18.07	68.2	-19.96	Peak	345.00	150	Horizontal	Pass
5**	7593.688	34.56	18.07	54.0	-19.44	AV	345.00	150	Horizontal	Pass
6	12601.938	52.80	22.03	68.2	-15.40	Peak	354.00	150	Horizontal	Pass
6**	12601.938	37.61	22.03	54.0	-16.39	AV	354.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1117.500	35.60	-15.20	68.2	-32.60	Peak	303.00	150	Vertical	Pass
1**	1117.500	19.59	-15.20	54.0	-34.41	AV	303.00	150	Vertical	Pass
2	1459.500	40.11	-14.71	68.2	-28.09	Peak	242.00	150	Vertical	Pass
2**	1459.500	23.31	-14.71	54.0	-30.69	AV	242.00	150	Vertical	Pass
3	4048.000	46.47	-4.18	68.2	-21.73	Peak	346.00	150	Vertical	Pass
3**	4048.000	30.80	-4.18	54.0	-23.20	AV	346.00	150	Vertical	Pass
4	5187.000	91.30	-0.91	--	-2.70	Peak	94.00	150	Vertical	N/A
4**	5187.000	82.62	-0.91	--	82.62	AV	94.00	150	Vertical	N/A
5	7621.000	48.34	17.54	68.2	-19.86	Peak	281.00	150	Vertical	Pass
5**	7621.000	34.15	17.54	54.0	-19.85	AV	281.00	150	Vertical	Pass
6	12604.812	52.79	22.07	68.2	-15.41	Peak	348.00	150	Vertical	Pass
6**	12604.812	37.81	22.07	54.0	-16.19	AV	348.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1138.500	35.90	-14.91	68.2	-32.30	Peak	336.00	150	Horizontal	Pass
1**	1138.500	20.08	-14.91	54.0	-33.92	AV	336.00	150	Horizontal	Pass
2	1564.500	38.17	-15.09	68.2	-30.03	Peak	297.00	150	Horizontal	Pass
2**	1564.500	24.23	-15.09	54.0	-29.77	AV	297.00	150	Horizontal	Pass
3	3994.000	46.67	-3.89	68.2	-21.53	Peak	192.00	150	Horizontal	Pass
3**	3994.000	30.68	-3.89	54.0	-23.32	AV	192.00	150	Horizontal	Pass
4	5178.000	99.51	-1.16	--	13.51	Peak	86.00	150	Horizontal	N/A
4**	5178.000	91.30	-1.16	--	91.30	AV	86.00	150	Horizontal	N/A
5	7465.750	48.04	17.15	68.2	-20.16	Peak	174.00	150	Horizontal	Pass
5**	7465.750	33.72	17.15	54.0	-20.28	AV	174.00	150	Horizontal	Pass
6	12531.500	52.77	21.42	68.2	-15.43	Peak	234.00	150	Horizontal	Pass
6**	12531.500	37.58	21.42	54.0	-16.42	AV	234.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1162.000	36.20	-14.93	68.2	-32.00	Peak	158.00	150	Vertical	Pass
1**	1162.000	20.32	-14.93	54.0	-33.68	AV	158.00	150	Vertical	Pass
2	1498.500	39.34	-14.96	68.2	-28.86	Peak	99.00	150	Vertical	Pass
2**	1498.500	25.08	-14.96	54.0	-28.92	AV	99.00	150	Vertical	Pass
3	3994.000	46.50	-3.89	68.2	-21.70	Peak	107.00	150	Vertical	Pass
3**	3994.000	30.79	-3.89	54.0	-23.21	AV	107.00	150	Vertical	Pass
4	5219.000	92.43	-1.00	--	59.43	Peak	33.00	150	Vertical	N/A
4**	5219.000	85.39	-1.00	--	85.39	AV	33.00	150	Vertical	N/A
5	7602.313	47.28	18.35	68.2	-20.92	Peak	239.00	150	Vertical	Pass
5**	7602.313	34.45	18.35	54.0	-19.55	AV	239.00	150	Vertical	Pass
6	12521.437	52.74	21.07	68.2	-15.46	Peak	148.00	150	Vertical	Pass
6**	12521.437	36.85	21.07	54.0	-17.15	AV	148.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1145.500	35.92	-14.79	68.2	-32.28	Peak	21.00	150	Horizontal	Pass
1**	1145.500	22.07	-14.79	54.0	-31.93	AV	21.00	150	Horizontal	Pass
2	1499.500	38.44	-15.07	68.2	-29.76	Peak	214.00	150	Horizontal	Pass
2**	1499.500	25.78	-15.07	54.0	-28.22	AV	214.00	150	Horizontal	Pass
3	3942.000	46.40	-5.02	68.2	-21.80	Peak	188.00	150	Horizontal	Pass
3**	3942.000	30.97	-5.02	54.0	-23.03	AV	188.00	150	Horizontal	Pass
4	5217.000	99.77	-1.03	--	22.77	Peak	77.00	150	Horizontal	N/A
4**	5217.000	92.43	-1.03	--	92.43	AV	77.00	150	Horizontal	N/A
5	7602.313	48.01	18.35	68.2	-20.19	Peak	157.00	150	Horizontal	Pass
5**	7602.313	34.93	18.35	54.0	-19.07	AV	157.00	150	Horizontal	Pass
6	12616.313	53.28	22.24	68.2	-14.92	Peak	241.00	150	Horizontal	Pass
6**	12616.313	37.29	22.24	54.0	-16.71	AV	241.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1161.000	36.15	-14.95	68.2	-32.05	Peak	230.00	150	Vertical	Pass
1**	1161.000	19.86	-14.95	54.0	-34.14	AV	230.00	150	Vertical	Pass
2	1553.500	39.34	-14.97	68.2	-28.86	Peak	192.00	150	Vertical	Pass
2**	1553.500	24.63	-14.97	54.0	-29.37	AV	192.00	150	Vertical	Pass
3	4121.000	46.49	-4.52	68.2	-21.71	Peak	187.00	150	Vertical	Pass
3**	4121.000	30.55	-4.52	54.0	-23.45	AV	187.00	150	Vertical	Pass
4	5241.000	94.12	-0.99	--	13.12	Peak	81.00	150	Vertical	N/A
4**	5241.000	84.37	-0.99	--	84.37	AV	81.00	150	Vertical	N/A
5	7391.000	48.07	17.09	68.2	-20.13	Peak	361.00	150	Vertical	Pass
5**	7391.000	33.92	17.09	54.0	-20.08	AV	361.00	150	Vertical	Pass
6	12495.563	52.54	20.79	68.2	-15.66	Peak	125.00	150	Vertical	Pass
6**	12495.563	35.85	20.79	54.0	-18.15	AV	125.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1139.500	36.60	-14.81	68.2	-31.60	Peak	185.00	150	Horizontal	Pass
1**	1139.500	21.48	-14.81	54.0	-32.52	AV	185.00	150	Horizontal	Pass
2	1581.000	41.58	-15.33	68.2	-26.62	Peak	2.00	150	Horizontal	Pass
2**	1581.000	23.86	-15.33	54.0	-30.14	AV	2.00	150	Horizontal	Pass
3	4039.000	46.08	-4.81	68.2	-22.12	Peak	352.00	150	Horizontal	Pass
3**	4039.000	29.96	-4.81	54.0	-24.04	AV	352.00	150	Horizontal	Pass
4	5239.000	101.27	-1.02	--	21.27	Peak	80.00	150	Horizontal	N/A
4**	5239.000	93.05	-1.02	--	93.05	AV	80.00	150	Horizontal	N/A
5	7603.750	48.01	18.34	68.2	-20.19	Peak	69.00	150	Horizontal	Pass
5**	7603.750	34.22	18.34	54.0	-19.78	AV	69.00	150	Horizontal	Pass
6	12589.000	53.08	21.77	68.2	-15.12	Peak	200.00	150	Horizontal	Pass
6**	12589.000	37.17	21.77	54.0	-16.83	AV	200.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1137.000	36.70	-15.17	68.2	-31.50	Peak	291.00	150	Vertical	Pass
1**	1137.000	19.93	-15.17	54.0	-34.07	AV	291.00	150	Vertical	Pass
2	1499.500	39.65	-15.07	68.2	-28.55	Peak	166.00	150	Vertical	Pass
2**	1499.500	28.56	-15.07	54.0	-25.44	AV	166.00	150	Vertical	Pass
3	4024.000	45.95	-4.97	68.2	-22.25	Peak	85.00	150	Vertical	Pass
3**	4024.000	29.62	-4.97	54.0	-24.38	AV	85.00	150	Vertical	Pass
4	5260.000	92.02	-1.04	--	7.02	Peak	85.00	150	Vertical	N/A
4**	5260.000	84.96	-1.04	--	84.96	AV	85.00	150	Vertical	N/A
5	7603.750	47.97	18.34	68.2	-20.23	Peak	310.00	150	Vertical	Pass
5**	7603.750	34.72	18.34	54.0	-19.28	AV	310.00	150	Vertical	Pass
6	12543.000	51.66	21.73	68.2	-16.54	Peak	165.00	150	Vertical	Pass
6**	12543.000	36.90	21.73	54.0	-17.10	AV	165.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1119.000	35.82	-15.21	68.2	-32.38	Peak	23.00	150	Horizontal	Pass
1**	1119.000	19.57	-15.21	54.0	-34.43	AV	23.00	150	Horizontal	Pass
2	1496.000	37.68	-15.21	68.2	-30.52	Peak	159.00	150	Horizontal	Pass
2**	1496.000	23.96	-15.21	54.0	-30.04	AV	159.00	150	Horizontal	Pass
3	4004.000	46.31	-3.87	68.2	-21.89	Peak	1.00	150	Horizontal	Pass
3**	4004.000	30.70	-3.87	54.0	-23.30	AV	1.00	150	Horizontal	Pass
4	5261.000	99.41	-1.17	--	15.41	Peak	84.00	150	Horizontal	N/A
4**	5261.000	91.78	-1.17	--	91.78	AV	84.00	150	Horizontal	N/A
5	7391.000	47.80	17.09	68.2	-20.40	Peak	10.00	150	Horizontal	Pass
5**	7391.000	33.57	17.09	54.0	-20.43	AV	10.00	150	Horizontal	Pass
6	12614.875	51.60	22.22	68.2	-16.60	Peak	189.00	150	Horizontal	Pass
6**	12614.875	36.86	22.22	54.0	-17.14	AV	189.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1137.000	35.97	-15.17	68.2	-32.23	Peak	329.00	150	Vertical	Pass
1**	1137.000	20.18	-15.17	54.0	-33.82	AV	329.00	150	Vertical	Pass
2	1499.500	39.28	-15.07	68.2	-28.92	Peak	146.00	150	Vertical	Pass
2**	1499.500	27.09	-15.07	54.0	-26.91	AV	146.00	150	Vertical	Pass
3	4001.000	46.32	-3.82	68.2	-21.88	Peak	112.00	150	Vertical	Pass
3**	4001.000	30.54	-3.82	54.0	-23.46	AV	112.00	150	Vertical	Pass
4	5299.000	92.82	-0.66	--	14.82	Peak	78.00	150	Vertical	N/A
4**	5299.000	86.42	-0.66	--	86.42	AV	78.00	150	Vertical	N/A
5	7451.375	48.28	17.20	68.2	-19.92	Peak	321.00	150	Vertical	Pass
5**	7451.375	32.64	17.20	54.0	-21.36	AV	321.00	150	Vertical	Pass
6	12524.313	52.10	21.17	68.2	-16.10	Peak	51.00	150	Vertical	Pass
6**	12524.313	36.79	21.17	54.0	-17.21	AV	51.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1075.500	35.62	-15.13	68.2	-32.58	Peak	328.00	150	Horizontal	Pass
1**	1075.500	19.41	-15.13	54.0	-34.59	AV	328.00	150	Horizontal	Pass
2	1529.000	40.02	-14.99	68.2	-28.18	Peak	276.00	150	Horizontal	Pass
2**	1529.000	27.14	-14.99	54.0	-26.86	AV	276.00	150	Horizontal	Pass
3	3998.000	46.71	-3.87	68.2	-21.49	Peak	63.00	150	Horizontal	Pass
3**	3998.000	30.26	-3.87	54.0	-23.74	AV	63.00	150	Horizontal	Pass
4	5304.000	150.15	-0.13	--	13.15	Peak	87.00	150	Horizontal	N/A
4**	5304.000	93.43	-0.13	--	93.43	AV	87.00	150	Horizontal	N/A
5	7462.875	47.35	17.46	68.2	-20.85	Peak	52.00	150	Horizontal	Pass
5**	7462.875	32.83	17.46	54.0	-21.17	AV	52.00	150	Horizontal	Pass
6	12604.812	52.21	22.07	68.2	-15.99	Peak	35.00	150	Horizontal	Pass
6**	12604.812	36.14	22.07	54.0	-17.86	AV	35.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1095.500	36.32	-14.90	68.2	-31.88	Peak	19.00	150	Vertical	Pass
1**	1095.500	19.61	-14.90	54.0	-34.39	AV	19.00	150	Vertical	Pass
2	1499.000	39.75	-15.02	68.2	-28.45	Peak	167.00	150	Vertical	Pass
2**	1499.000	26.24	-15.02	54.0	-27.76	AV	167.00	150	Vertical	Pass
3	2836.000	43.29	-8.34	68.2	-24.91	Peak	266.00	150	Vertical	Pass
3**	2836.000	27.14	-8.34	54.0	-26.86	AV	266.00	150	Vertical	Pass
4	5320.000	92.87	-0.18	--	6.87	Peak	86.00	150	Vertical	N/A
4**	5320.000	85.85	-0.18	--	85.85	AV	86.00	150	Vertical	N/A
5	7593.688	48.12	18.07	68.2	-20.08	Peak	258.00	150	Vertical	Pass
5**	7593.688	33.66	18.07	54.0	-20.34	AV	258.00	150	Vertical	Pass
6	12537.250	52.05	21.61	68.2	-16.15	Peak	360.00	150	Vertical	Pass
6**	12537.250	36.72	21.61	54.0	-17.28	AV	360.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1167.500	35.61	-15.04	68.2	-32.59	Peak	359.00	150	Horizontal	Pass
1**	1167.500	19.67	-15.04	54.0	-34.33	AV	359.00	150	Horizontal	Pass
2	1496.000	38.02	-15.21	68.2	-30.18	Peak	196.00	150	Horizontal	Pass
2**	1496.000	22.79	-15.21	54.0	-31.21	AV	196.00	150	Horizontal	Pass
3	3942.000	46.26	-5.02	68.2	-21.94	Peak	80.00	150	Horizontal	Pass
3**	3942.000	30.11	-5.02	54.0	-23.89	AV	80.00	150	Horizontal	Pass
4	5318.000	150.34	-0.14	--	20.34	Peak	80.00	150	Horizontal	N/A
4**	5318.000	93.25	-0.14	--	93.25	AV	80.00	150	Horizontal	N/A
5	7543.375	47.17	17.33	68.2	-21.03	Peak	0.00	150	Horizontal	Pass
5**	7543.375	31.36	17.33	54.0	-22.64	AV	0.00	150	Horizontal	Pass
6	12586.125	52.26	21.71	68.2	-15.94	Peak	122.00	150	Horizontal	Pass
6**	12586.125	36.38	21.71	54.0	-17.62	AV	122.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1051.500	35.76	-15.04	68.2	-32.44	Peak	176.00	150	Vertical	Pass
1**	1051.500	19.16	-15.04	54.0	-34.84	AV	176.00	150	Vertical	Pass
2	1456.500	40.56	-14.69	68.2	-27.64	Peak	254.00	150	Vertical	Pass
2**	1456.500	21.55	-14.69	54.0	-32.45	AV	254.00	150	Vertical	Pass
3	4002.000	47.39	-3.86	68.2	-20.81	Peak	312.00	150	Vertical	Pass
3**	4002.000	30.75	-3.86	54.0	-23.25	AV	312.00	150	Vertical	Pass
4	5263.000	91.33	-1.19	--	56.33	Peak	35.00	150	Vertical	N/A
4**	5263.000	83.97	-1.19	--	83.97	AV	35.00	150	Vertical	N/A
5	7606.625	47.36	18.39	68.2	-20.84	Peak	334.00	150	Vertical	Pass
5**	7606.625	33.25	18.39	54.0	-20.75	AV	334.00	150	Vertical	Pass
6	12543.000	53.08	21.73	68.2	-15.12	Peak	272.00	150	Vertical	Pass
6**	12543.000	36.74	21.73	54.0	-17.26	AV	272.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1111.000	35.81	-15.34	68.2	-32.39	Peak	0.00	150	Horizontal	Pass
1**	1111.000	19.40	-15.34	54.0	-34.60	AV	0.00	150	Horizontal	Pass
2	1495.500	38.22	-15.19	68.2	-29.98	Peak	214.00	150	Horizontal	Pass
2**	1495.500	23.73	-15.19	54.0	-30.27	AV	214.00	150	Horizontal	Pass
3	4216.000	47.29	-3.73	68.2	-20.91	Peak	295.00	150	Horizontal	Pass
3**	4216.000	30.54	-3.73	54.0	-23.46	AV	295.00	150	Horizontal	Pass
4	5261.000	98.38	-1.17	--	12.38	Peak	86.00	150	Horizontal	N/A
4**	5261.000	90.65	-1.17	--	90.65	AV	86.00	150	Horizontal	N/A
5	7606.625	48.09	18.39	68.2	-20.11	Peak	179.00	150	Horizontal	Pass
5**	7606.625	33.41	18.39	54.0	-20.59	AV	179.00	150	Horizontal	Pass
6	12535.812	51.80	21.56	68.2	-16.40	Peak	264.00	150	Horizontal	Pass
6**	12535.812	36.97	21.56	54.0	-17.03	AV	264.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1107.000	35.97	-15.20	68.2	-32.23	Peak	275.00	150	Vertical	Pass
1**	1107.000	20.32	-15.20	54.0	-33.68	AV	275.00	150	Vertical	Pass
2	1500.500	42.74	-15.18	68.2	-25.46	Peak	0.00	150	Vertical	Pass
2**	1500.500	25.81	-15.18	54.0	-28.19	AV	0.00	150	Vertical	Pass
3	4001.000	46.55	-3.82	68.2	-21.65	Peak	244.00	150	Vertical	Pass
3**	4001.000	30.33	-3.82	54.0	-23.67	AV	244.00	150	Vertical	Pass
4	5296.000	91.88	-0.97	--	11.88	Peak	80.00	150	Vertical	N/A
4**	5296.000	83.90	-0.97	--	83.90	AV	80.00	150	Vertical	N/A
5	7694.312	47.98	17.37	68.2	-20.22	Peak	143.00	150	Vertical	Pass
5**	7694.312	32.56	17.37	54.0	-21.44	AV	143.00	150	Vertical	Pass
6	12550.187	51.57	21.77	68.2	-16.63	Peak	40.00	150	Vertical	Pass
6**	12550.187	36.89	21.77	54.0	-17.11	AV	40.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1167.500	36.39	-15.04	68.2	-31.81	Peak	130.00	150	Horizontal	Pass
1**	1167.500	20.50	-15.04	54.0	-33.50	AV	130.00	150	Horizontal	Pass
2	1545.500	37.14	-15.02	68.2	-31.06	Peak	150.00	150	Horizontal	Pass
2**	1545.500	20.56	-15.02	54.0	-33.44	AV	150.00	150	Horizontal	Pass
3	3999.000	46.07	-3.75	68.2	-22.13	Peak	137.00	150	Horizontal	Pass
3**	3999.000	30.44	-3.75	54.0	-23.56	AV	137.00	150	Horizontal	Pass
4	5301.000	99.24	-0.44	--	16.24	Peak	83.00	150	Horizontal	N/A
4**	5301.000	89.98	-0.44	--	89.98	AV	83.00	150	Horizontal	N/A
5	7605.188	47.95	18.30	68.2	-20.25	Peak	0.00	150	Horizontal	Pass
5**	7605.188	33.23	18.30	54.0	-20.77	AV	0.00	150	Horizontal	Pass
6	12563.125	51.77	21.86	68.2	-16.43	Peak	181.00	150	Horizontal	Pass
6**	12563.125	36.45	21.86	54.0	-17.55	AV	181.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1182.500	35.97	-14.93	68.2	-32.23	Peak	171.00	150	Vertical	Pass
1**	1182.500	20.83	-14.93	54.0	-33.17	AV	171.00	150	Vertical	Pass
2	1494.500	39.55	-15.15	68.2	-28.65	Peak	163.00	150	Vertical	Pass
2**	1494.500	25.38	-15.15	54.0	-28.62	AV	163.00	150	Vertical	Pass
3	4000.000	46.61	-3.74	68.2	-21.59	Peak	229.00	150	Vertical	Pass
3**	4000.000	30.82	-3.74	54.0	-23.18	AV	229.00	150	Vertical	Pass
4	5319.000	92.72	-0.19	--	6.72	Peak	86.00	150	Vertical	N/A
4**	5319.000	85.49	-0.19	--	85.49	AV	86.00	150	Vertical	N/A
5	7592.250	48.77	18.00	68.2	-19.43	Peak	29.00	150	Vertical	Pass
5**	7592.250	33.85	18.00	54.0	-20.15	AV	29.00	150	Vertical	Pass
6	12573.187	51.63	21.69	68.2	-16.57	Peak	116.00	150	Vertical	Pass
6**	12573.187	37.04	21.69	54.0	-16.96	AV	116.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1129.500	35.79	-15.23	68.2	-32.41	Peak	212.00	150	Horizontal	Pass
1**	1129.500	19.59	-15.23	54.0	-34.41	AV	212.00	150	Horizontal	Pass
2	1566.000	37.05	-15.27	68.2	-31.15	Peak	312.00	150	Horizontal	Pass
2**	1566.000	20.87	-15.27	54.0	-33.13	AV	312.00	150	Horizontal	Pass
3	4053.000	46.03	-4.45	68.2	-22.17	Peak	355.00	150	Horizontal	Pass
3**	4053.000	30.05	-4.45	54.0	-23.95	AV	355.00	150	Horizontal	Pass
4	5317.000	150.01	-0.08	--	47.01	Peak	53.00	150	Horizontal	N/A
4**	5317.000	91.98	-0.08	--	91.98	AV	53.00	150	Horizontal	N/A
5	7320.563	48.80	17.48	68.2	-19.40	Peak	229.00	150	Horizontal	Pass
5**	7320.563	33.30	17.48	54.0	-20.70	AV	229.00	150	Horizontal	Pass
6	12590.437	52.34	21.80	68.2	-15.86	Peak	229.00	150	Horizontal	Pass
6**	12590.437	36.26	21.80	54.0	-17.74	AV	229.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1188.000	37.32	-14.98	68.2	-30.88	Peak	224.00	150	Vertical	Pass
1**	1188.000	23.89	-14.98	54.0	-30.11	AV	224.00	150	Vertical	Pass
2	1499.000	39.47	-15.02	68.2	-28.73	Peak	159.00	150	Vertical	Pass
2**	1499.000	25.67	-15.02	54.0	-28.33	AV	159.00	150	Vertical	Pass
3	3890.000	46.06	-4.95	68.2	-22.14	Peak	312.00	150	Vertical	Pass
3**	3890.000	29.59	-4.95	54.0	-24.41	AV	312.00	150	Vertical	Pass
4	5501.000	90.69	-0.06	--	0.69	Peak	90.00	150	Vertical	N/A
4**	5501.000	83.00	-0.06	--	83.00	AV	90.00	150	Vertical	N/A
5	7619.562	47.20	17.54	68.2	-21.00	Peak	71.00	150	Vertical	Pass
5**	7619.562	33.26	17.54	54.0	-20.74	AV	71.00	150	Vertical	Pass
6	12597.625	51.97	21.95	68.2	-16.23	Peak	343.00	150	Vertical	Pass
6**	12597.625	36.18	21.95	54.0	-17.82	AV	343.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1118.500	36.31	-15.15	68.2	-31.89	Peak	197.00	150	Horizontal	Pass
1**	1118.500	19.63	-15.15	54.0	-34.37	AV	197.00	150	Horizontal	Pass
2	1563.000	37.06	-15.06	68.2	-31.14	Peak	341.00	150	Horizontal	Pass
2**	1563.000	21.60	-15.06	54.0	-32.40	AV	341.00	150	Horizontal	Pass
3	4092.000	46.84	-4.17	68.2	-21.36	Peak	156.00	150	Horizontal	Pass
3**	4092.000	29.92	-4.17	54.0	-24.08	AV	156.00	150	Horizontal	Pass
4	5501.000	150.22	-0.06	--	35.22	Peak	65.00	150	Horizontal	N/A
4**	5501.000	91.58	-0.06	--	91.58	AV	65.00	150	Horizontal	N/A
5	7613.813	48.63	18.12	68.2	-19.57	Peak	247.00	150	Horizontal	Pass
5**	7613.813	35.42	18.12	54.0	-18.58	AV	247.00	150	Horizontal	Pass
6	12626.375	52.18	22.18	68.2	-16.02	Peak	305.00	150	Horizontal	Pass
6**	12626.375	36.51	22.18	54.0	-17.49	AV	305.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1172.000	36.54	-15.00	68.2	-31.66	Peak	119.00	150	Vertical	Pass
1**	1172.000	20.34	-15.00	54.0	-33.66	AV	119.00	150	Vertical	Pass
2	1494.000	38.71	-15.14	68.2	-29.49	Peak	330.00	150	Vertical	Pass
2**	1494.000	23.51	-15.14	54.0	-30.49	AV	330.00	150	Vertical	Pass
3	4114.000	47.43	-4.25	68.2	-20.77	Peak	360.00	150	Vertical	Pass
3**	4114.000	30.42	-4.25	54.0	-23.58	AV	360.00	150	Vertical	Pass
4	5583.000	93.98	-0.32	--	-2.02	Peak	96.00	150	Vertical	N/A
4**	5583.000	86.69	-0.32	--	86.69	AV	96.00	150	Vertical	N/A
5	7605.188	48.55	18.30	68.2	-19.65	Peak	120.00	150	Vertical	Pass
5**	7605.188	33.68	18.30	54.0	-20.32	AV	120.00	150	Vertical	Pass
6	12603.375	52.87	22.05	68.2	-15.33	Peak	360.00	150	Vertical	Pass
6**	12603.375	36.76	22.05	54.0	-17.24	AV	360.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1146.500	36.32	-14.90	68.2	-31.88	Peak	106.00	150	Horizontal	Pass
1**	1146.500	20.12	-14.90	54.0	-33.88	AV	106.00	150	Horizontal	Pass
2	1499.000	38.89	-15.02	68.2	-29.31	Peak	210.00	150	Horizontal	Pass
2**	1499.000	23.60	-15.02	54.0	-30.40	AV	210.00	150	Horizontal	Pass
3	4004.000	46.47	-3.87	68.2	-21.73	Peak	272.00	150	Horizontal	Pass
3**	4004.000	30.55	-3.87	54.0	-23.45	AV	272.00	150	Horizontal	Pass
4	5581.000	102.47	-0.24	--	30.47	Peak	72.00	150	Horizontal	N/A
4**	5581.000	93.66	-0.24	--	93.66	AV	72.00	150	Horizontal	N/A
5	7619.562	48.26	17.54	68.2	-19.94	Peak	95.00	150	Horizontal	Pass
5**	7619.562	33.46	17.54	54.0	-20.54	AV	95.00	150	Horizontal	Pass
6	12614.875	51.90	22.22	68.2	-16.30	Peak	163.00	150	Horizontal	Pass
6**	12614.875	36.47	22.22	54.0	-17.53	AV	163.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1081.000	36.09	-14.99	68.2	-32.11	Peak	6.00	150	Vertical	Pass
1**	1081.000	19.78	-14.99	54.0	-34.22	AV	6.00	150	Vertical	Pass
2	1499.500	39.92	-15.07	68.2	-28.28	Peak	163.00	150	Vertical	Pass
2**	1499.500	27.50	-15.07	54.0	-26.50	AV	163.00	150	Vertical	Pass
3	4004.000	46.46	-3.87	68.2	-21.74	Peak	86.00	150	Vertical	Pass
3**	4004.000	30.73	-3.87	54.0	-23.27	AV	86.00	150	Vertical	Pass
4	5698.000	95.16	-0.70	--	33.16	Peak	62.00	150	Vertical	N/A
4**	5698.000	88.29	-0.70	--	88.29	AV	62.00	150	Vertical	N/A
5	7605.188	48.01	18.30	68.2	-20.19	Peak	279.00	150	Vertical	Pass
5**	7605.188	33.57	18.30	54.0	-20.43	AV	279.00	150	Vertical	Pass
6	12479.750	52.06	20.95	68.2	-16.14	Peak	343.00	150	Vertical	Pass
6**	12479.750	35.75	20.95	54.0	-18.25	AV	343.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1077.000	35.82	-15.26	68.2	-32.38	Peak	273.00	150	Horizontal	Pass
1**	1077.000	19.21	-15.26	54.0	-34.79	AV	273.00	150	Horizontal	Pass
2	1494.500	37.59	-15.15	68.2	-30.61	Peak	215.00	150	Horizontal	Pass
2**	1494.500	24.38	-15.15	54.0	-29.62	AV	215.00	150	Horizontal	Pass
3	4006.000	46.62	-4.07	68.2	-21.58	Peak	134.00	150	Horizontal	Pass
3**	4006.000	31.07	-4.07	54.0	-22.93	AV	134.00	150	Horizontal	Pass
4	5701.000	101.76	-0.91	--	28.76	Peak	73.00	150	Horizontal	N/A
4**	5701.000	92.73	-0.91	--	92.73	AV	73.00	150	Horizontal	N/A
5	7579.313	47.55	17.54	68.2	-20.65	Peak	143.00	150	Horizontal	Pass
5**	7579.313	33.41	17.54	54.0	-20.59	AV	143.00	150	Horizontal	Pass
6	12606.250	52.06	22.09	68.2	-16.14	Peak	69.00	150	Horizontal	Pass
6**	12606.250	36.68	22.09	54.0	-17.32	AV	69.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1500.000	34.47	-14.67	68.2	-33.73	Peak	298.00	150	Vertical	Pass
1**	1500.000	20.38	-14.67	54.0	-33.62	AV	298.00	150	Vertical	Pass
2	1495.000	39.36	-15.17	68.2	-28.84	Peak	0.00	150	Vertical	Pass
2**	1495.000	25.65	-15.17	54.0	-28.35	AV	0.00	150	Vertical	Pass
3	4001.000	47.84	-3.82	68.2	-20.36	Peak	127.00	150	Vertical	Pass
3**	4001.000	30.69	-3.82	54.0	-23.31	AV	127.00	150	Vertical	Pass
4	5497.000	90.64	-0.14	--	-1.36	Peak	92.00	150	Vertical	N/A
4**	5497.000	81.83	-0.14	--	81.83	AV	92.00	150	Vertical	N/A
5	7609.500	47.46	18.06	68.2	-20.74	Peak	144.00	150	Vertical	Pass
5**	7609.500	34.00	18.06	54.0	-20.00	AV	144.00	150	Vertical	Pass
6	12554.500	51.46	21.83	68.2	-16.74	Peak	61.00	150	Vertical	Pass
6**	12554.500	36.71	21.83	54.0	-17.29	AV	61.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1143.500	36.11	-14.99	68.2	-32.09	Peak	0.00	150	Horizontal	Pass
1**	1143.500	19.94	-14.99	54.0	-34.06	AV	0.00	150	Horizontal	Pass
2	1483.500	39.96	-15.02	68.2	-28.24	Peak	0.00	150	Horizontal	Pass
2**	1483.500	24.30	-15.02	54.0	-29.70	AV	0.00	150	Horizontal	Pass
3	3999.000	46.30	-3.75	68.2	-21.90	Peak	1.00	150	Horizontal	Pass
3**	3999.000	30.67	-3.75	54.0	-23.33	AV	1.00	150	Horizontal	Pass
4	5501.000	150.23	-0.06	--	9.23	Peak	91.00	150	Horizontal	N/A
4**	5501.000	90.52	-0.06	--	90.52	AV	91.00	150	Horizontal	N/A
5	7553.438	47.46	17.52	68.2	-20.74	Peak	224.00	150	Horizontal	Pass
5**	7553.438	33.06	17.52	54.0	-20.94	AV	224.00	150	Horizontal	Pass
6	12538.687	51.99	21.66	68.2	-16.21	Peak	236.00	150	Horizontal	Pass
6**	12538.687	37.27	21.66	54.0	-16.73	AV	236.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1145.500	36.38	-14.79	68.2	-31.82	Peak	252.00	150	Vertical	Pass
1**	1145.500	20.22	-14.79	54.0	-33.78	AV	252.00	150	Vertical	Pass
2	1499.000	39.75	-15.02	68.2	-28.45	Peak	103.00	150	Vertical	Pass
2**	1499.000	25.50	-15.02	54.0	-28.50	AV	103.00	150	Vertical	Pass
3	4142.000	46.87	-4.00	68.2	-21.33	Peak	101.00	150	Vertical	Pass
3**	4142.000	30.59	-4.00	54.0	-23.41	AV	101.00	150	Vertical	Pass
4	5584.000	94.59	-0.28	--	4.59	Peak	90.00	150	Vertical	N/A
4**	5584.000	86.90	-0.28	--	86.90	AV	90.00	150	Vertical	N/A
5	7602.313	47.16	18.35	68.2	-21.04	Peak	352.00	150	Vertical	Pass
5**	7602.313	33.59	18.35	54.0	-20.41	AV	352.00	150	Vertical	Pass
6	12024.063	51.07	20.25	68.2	-17.13	Peak	127.00	150	Vertical	Pass
6**	12024.063	35.48	20.25	54.0	-18.52	AV	127.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1167.000	36.11	-15.02	68.2	-32.09	Peak	331.00	150	Horizontal	Pass
1**	1167.000	19.88	-15.02	54.0	-34.12	AV	331.00	150	Horizontal	Pass
2	1496.500	37.63	-15.19	68.2	-30.57	Peak	207.00	150	Horizontal	Pass
2**	1496.500	23.32	-15.19	54.0	-30.68	AV	207.00	150	Horizontal	Pass
3	3957.000	46.24	-5.22	68.2	-21.96	Peak	8.00	150	Horizontal	Pass
3**	3957.000	29.68	-5.22	54.0	-24.32	AV	8.00	150	Horizontal	Pass
4	5582.000	102.55	-0.31	--	34.55	Peak	68.00	150	Horizontal	N/A
4**	5582.000	93.83	-0.31	--	93.83	AV	68.00	150	Horizontal	N/A
5	7610.937	48.18	18.11	68.2	-20.02	Peak	360.00	150	Horizontal	Pass
5**	7610.937	34.14	18.11	54.0	-19.86	AV	360.00	150	Horizontal	Pass
6	12532.938	52.22	21.47	68.2	-15.98	Peak	338.00	150	Horizontal	Pass
6**	12532.938	36.13	21.47	54.0	-17.87	AV	338.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1150.500	35.58	-15.13	68.2	-32.62	Peak	208.00	150	Vertical	Pass
1**	1150.500	19.80	-15.13	54.0	-34.20	AV	208.00	150	Vertical	Pass
2	1593.000	40.60	-15.13	68.2	-27.60	Peak	312.00	150	Vertical	Pass
2**	1593.000	22.45	-15.13	54.0	-31.55	AV	312.00	150	Vertical	Pass
3	4004.000	45.96	-3.87	68.2	-22.24	Peak	222.00	150	Vertical	Pass
3**	4004.000	30.32	-3.87	54.0	-23.68	AV	222.00	150	Vertical	Pass
4	5702.000	94.36	-0.90	--	39.36	Peak	55.00	150	Vertical	N/A
4**	5702.000	86.66	-0.90	--	86.66	AV	55.00	150	Vertical	N/A
5	7587.937	47.52	17.88	68.2	-20.68	Peak	226.00	150	Vertical	Pass
5**	7587.937	33.22	17.88	54.0	-20.78	AV	226.00	150	Vertical	Pass
6	12532.938	51.51	21.47	68.2	-16.69	Peak	8.00	150	Vertical	Pass
6**	12532.938	36.41	21.47	54.0	-17.59	AV	8.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1128.000	36.04	-15.32	68.2	-32.16	Peak	146.00	150	Horizontal	Pass
1**	1128.000	19.65	-15.32	54.0	-34.35	AV	146.00	150	Horizontal	Pass
2	1494.500	37.82	-15.15	68.2	-30.38	Peak	216.00	150	Horizontal	Pass
2**	1494.500	26.20	-15.15	54.0	-27.80	AV	216.00	150	Horizontal	Pass
3	3994.000	46.79	-3.89	68.2	-21.41	Peak	196.00	150	Horizontal	Pass
3**	3994.000	30.49	-3.89	54.0	-23.51	AV	196.00	150	Horizontal	Pass
4	5697.000	99.01	-0.66	--	27.01	Peak	72.00	150	Horizontal	N/A
4**	5697.000	91.99	-0.66	--	91.99	AV	72.00	150	Horizontal	N/A
5	7599.437	47.70	18.34	68.2	-20.50	Peak	360.00	150	Horizontal	Pass
5**	7599.437	33.67	18.34	54.0	-20.33	AV	360.00	150	Horizontal	Pass
6	12525.750	51.77	21.22	68.2	-16.43	Peak	300.00	150	Horizontal	Pass
6**	12525.750	35.90	21.22	54.0	-18.10	AV	300.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1030.000	36.26	-14.52	68.2	-31.94	Peak	152.00	150	Vertical	Pass
1**	1030.000	19.72	-14.52	54.0	-34.28	AV	152.00	150	Vertical	Pass
2	1495.000	40.01	-15.17	68.2	-28.19	Peak	0.00	150	Vertical	Pass
2**	1495.000	26.03	-15.17	54.0	-27.97	AV	0.00	150	Vertical	Pass
3	4004.000	46.79	-3.87	68.2	-21.41	Peak	349.00	150	Vertical	Pass
3**	4004.000	30.65	-3.87	54.0	-23.35	AV	349.00	150	Vertical	Pass
4	5743.000	93.08	0.21	--	34.08	Peak	59.00	150	Vertical	N/A
4**	5743.000	85.61	0.21	--	85.61	AV	59.00	150	Vertical	N/A
5	7468.625	47.50	17.13	68.2	-20.70	Peak	264.00	150	Vertical	Pass
5**	7468.625	32.03	17.13	54.0	-21.97	AV	264.00	150	Vertical	Pass
6	12543.000	51.41	21.73	68.2	-16.79	Peak	279.00	150	Vertical	Pass
6**	12543.000	37.20	21.73	54.0	-16.80	AV	279.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1065.000	35.33	-15.14	68.2	-32.87	Peak	127.00	150	Horizontal	Pass
1**	1065.000	19.36	-15.14	54.0	-34.64	AV	127.00	150	Horizontal	Pass
2	1497.500	38.12	-15.06	68.2	-30.08	Peak	161.00	150	Horizontal	Pass
2**	1497.500	23.19	-15.06	54.0	-30.81	AV	161.00	150	Horizontal	Pass
3	4218.000	48.28	-3.95	68.2	-19.92	Peak	151.00	150	Horizontal	Pass
3**	4218.000	30.57	-3.95	54.0	-23.43	AV	151.00	150	Horizontal	Pass
4	5747.000	97.45	-0.18	--	25.45	Peak	72.00	150	Horizontal	N/A
4**	5747.000	90.43	-0.18	--	90.43	AV	72.00	150	Horizontal	N/A
5	7610.937	48.18	18.11	68.2	-20.02	Peak	-1.00	150	Horizontal	Pass
5**	7610.937	32.88	18.11	54.0	-21.12	AV	-1.00	150	Horizontal	Pass
6	12449.563	51.89	20.93	68.2	-16.31	Peak	26.00	150	Horizontal	Pass
6**	12449.563	34.96	20.93	54.0	-19.04	AV	26.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1133.500	36.14	-15.22	68.2	-32.06	Peak	283.00	150	Vertical	Pass
1**	1133.500	19.66	-15.22	54.0	-34.34	AV	283.00	150	Vertical	Pass
2	1455.500	39.75	-14.71	68.2	-28.45	Peak	241.00	150	Vertical	Pass
2**	1455.500	21.28	-14.71	54.0	-32.72	AV	241.00	150	Vertical	Pass
3	4291.000	48.00	-3.59	68.2	-20.20	Peak	113.00	150	Vertical	Pass
3**	4291.000	31.46	-3.59	54.0	-22.54	AV	113.00	150	Vertical	Pass
4	5784.000	92.05	0.35	--	33.05	Peak	59.00	150	Vertical	N/A
4**	5784.000	85.28	0.35	--	85.28	AV	59.00	150	Vertical	N/A
5	7705.812	48.01	17.43	68.2	-20.19	Peak	81.00	150	Vertical	Pass
5**	7705.812	32.72	17.43	54.0	-21.28	AV	81.00	150	Vertical	Pass
6	12534.375	51.77	21.52	68.2	-16.43	Peak	319.00	150	Vertical	Pass
6**	12534.375	36.26	21.52	54.0	-17.74	AV	319.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1123.000	35.98	-15.31	68.2	-32.22	Peak	143.00	150	Horizontal	Pass
1**	1123.000	19.48	-15.31	54.0	-34.52	AV	143.00	150	Horizontal	Pass
2	1528.000	38.50	-14.98	68.2	-29.70	Peak	291.00	150	Horizontal	Pass
2**	1528.000	21.44	-14.98	54.0	-32.56	AV	291.00	150	Horizontal	Pass
3	4047.000	45.86	-4.25	68.2	-22.34	Peak	36.00	150	Horizontal	Pass
3**	4047.000	30.08	-4.25	54.0	-23.92	AV	36.00	150	Horizontal	Pass
4	5784.000	98.49	0.35	--	23.49	Peak	75.00	150	Horizontal	N/A
4**	5784.000	91.28	0.35	--	91.28	AV	75.00	150	Horizontal	N/A
5	7622.437	47.77	17.64	68.2	-20.43	Peak	189.00	150	Horizontal	Pass
5**	7622.437	33.90	17.64	54.0	-20.10	AV	189.00	150	Horizontal	Pass
6	12607.688	51.99	22.11	68.2	-16.21	Peak	203.00	150	Horizontal	Pass
6**	12607.688	36.44	22.11	54.0	-17.56	AV	203.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1190.000	36.92	-14.92	68.2	-31.28	Peak	229.00	150	Vertical	Pass
1**	1190.000	20.72	-14.92	54.0	-33.28	AV	229.00	150	Vertical	Pass
2	1481.000	40.32	-15.26	68.2	-27.88	Peak	249.00	150	Vertical	Pass
2**	1481.000	21.17	-15.26	54.0	-32.83	AV	249.00	150	Vertical	Pass
3	3948.000	46.70	-5.11	68.2	-21.50	Peak	197.00	150	Vertical	Pass
3**	3948.000	29.51	-5.11	54.0	-24.49	AV	197.00	150	Vertical	Pass
4	5826.000	91.62	0.55	--	29.62	Peak	62.00	150	Vertical	N/A
4**	5826.000	83.96	0.55	--	83.96	AV	62.00	150	Vertical	N/A
5	7552.000	47.41	17.56	68.2	-20.79	Peak	186.00	150	Vertical	Pass
5**	7552.000	32.09	17.56	54.0	-21.91	AV	186.00	150	Vertical	Pass
6	12616.313	51.97	22.24	68.2	-16.23	Peak	186.00	150	Vertical	Pass
6**	12616.313	36.29	22.24	54.0	-17.71	AV	186.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1139.500	36.16	-14.81	68.2	-32.04	Peak	132.00	150	Horizontal	Pass
1**	1139.500	20.04	-14.81	54.0	-33.96	AV	132.00	150	Horizontal	Pass
2	1494.500	37.66	-15.15	68.2	-30.54	Peak	220.00	150	Horizontal	Pass
2**	1494.500	23.82	-15.15	54.0	-30.18	AV	220.00	150	Horizontal	Pass
3	3992.000	45.94	-3.94	68.2	-22.26	Peak	238.00	150	Horizontal	Pass
3**	3992.000	30.16	-3.94	54.0	-23.84	AV	238.00	150	Horizontal	Pass
4	5826.000	98.68	0.55	--	23.68	Peak	75.00	150	Horizontal	N/A
4**	5826.000	90.80	0.55	--	90.80	AV	75.00	150	Horizontal	N/A
5	7623.875	47.87	17.45	68.2	-20.33	Peak	361.00	150	Horizontal	Pass
5**	7623.875	33.66	17.45	54.0	-20.34	AV	361.00	150	Horizontal	Pass
6	12603.375	52.65	22.05	68.2	-15.55	Peak	25.00	150	Horizontal	Pass
6**	12603.375	36.68	22.05	54.0	-17.32	AV	25.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1122.500	35.86	-15.30	68.2	-32.34	Peak	144.00	150	Vertical	Pass
1**	1122.500	19.31	-15.30	54.0	-34.69	AV	144.00	150	Vertical	Pass
2	1499.000	39.97	-15.02	68.2	-28.23	Peak	188.00	150	Vertical	Pass
2**	1499.000	24.32	-15.02	54.0	-29.68	AV	188.00	150	Vertical	Pass
3	4004.000	46.32	-3.87	68.2	-21.88	Peak	151.00	150	Vertical	Pass
3**	4004.000	30.69	-3.87	54.0	-23.31	AV	151.00	150	Vertical	Pass
4	5743.000	91.16	0.21	--	28.16	Peak	63.00	150	Vertical	N/A
4**	5743.000	83.46	0.21	--	83.46	AV	63.00	150	Vertical	N/A
5	7554.875	47.39	17.46	68.2	-20.81	Peak	114.00	150	Vertical	Pass
5**	7554.875	33.07	17.46	54.0	-20.93	AV	114.00	150	Vertical	Pass
6	12550.187	51.62	21.77	68.2	-16.58	Peak	318.00	150	Vertical	Pass
6**	12550.187	36.38	21.77	54.0	-17.62	AV	318.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1144.500	36.24	-14.89	68.2	-31.96	Peak	160.00	150	Horizontal	Pass
1**	1144.500	20.54	-14.89	54.0	-33.46	AV	160.00	150	Horizontal	Pass
2	1498.000	38.23	-14.99	68.2	-29.97	Peak	215.00	150	Horizontal	Pass
2**	1498.000	23.35	-14.99	54.0	-30.65	AV	215.00	150	Horizontal	Pass
3	3999.000	46.38	-3.75	68.2	-21.82	Peak	194.00	150	Horizontal	Pass
3**	3999.000	31.10	-3.75	54.0	-22.90	AV	194.00	150	Horizontal	Pass
4	5745.000	95.76	-0.10	--	29.76	Peak	66.00	150	Horizontal	N/A
4**	5745.000	88.74	-0.10	--	88.74	AV	66.00	150	Horizontal	N/A
5	7610.937	47.06	18.11	68.2	-21.14	Peak	225.00	150	Horizontal	Pass
5**	7610.937	33.39	18.11	54.0	-20.61	AV	225.00	150	Horizontal	Pass
6	12106.000	51.11	20.76	68.2	-17.09	Peak	210.00	150	Horizontal	Pass
6**	12106.000	34.26	20.76	54.0	-19.74	AV	210.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1084.500	39.79	-15.19	68.2	-28.41	Peak	38.00	150	Vertical	Pass
1**	1084.500	22.43	-15.19	54.0	-31.57	AV	38.00	150	Vertical	Pass
2	1581.500	44.41	-15.37	68.2	-23.79	Peak	53.00	150	Vertical	Pass
2**	1581.500	27.29	-15.37	54.0	-26.71	AV	53.00	150	Vertical	Pass
3	4210.000	46.98	-4.19	68.2	-21.22	Peak	1.00	150	Vertical	Pass
3**	4210.000	31.78	-4.19	54.0	-22.22	AV	1.00	150	Vertical	Pass
4	5792.000	89.27	0.43	--	33.27	Peak	56.00	150	Vertical	N/A
4**	5792.000	81.09	0.43	--	81.09	AV	56.00	150	Vertical	N/A
5	7629.625	48.23	17.11	68.2	-19.97	Peak	324.00	150	Vertical	Pass
5**	7629.625	32.96	17.11	54.0	-21.04	AV	324.00	150	Vertical	Pass
6	12573.187	51.40	21.69	68.2	-16.80	Peak	324.00	150	Vertical	Pass
6**	12573.187	36.26	21.69	54.0	-17.74	AV	324.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1139.500	36.17	-14.81	68.2	-32.03	Peak	360.00	150	Horizontal	Pass
1**	1139.500	20.36	-14.81	54.0	-33.64	AV	360.00	150	Horizontal	Pass
2	1498.500	37.81	-14.96	68.2	-30.39	Peak	218.00	150	Horizontal	Pass
2**	1498.500	23.83	-14.96	54.0	-30.17	AV	218.00	150	Horizontal	Pass
3	4028.000	47.11	-4.78	68.2	-21.09	Peak	182.00	150	Horizontal	Pass
3**	4028.000	29.69	-4.78	54.0	-24.31	AV	182.00	150	Horizontal	Pass
4	5780.000	96.63	0.23	--	27.63	Peak	69.00	150	Horizontal	N/A
4**	5780.000	87.38	0.23	--	87.38	AV	69.00	150	Horizontal	N/A
5	7598.000	47.89	18.18	68.2	-20.31	Peak	39.00	150	Horizontal	Pass
5**	7598.000	32.90	18.18	54.0	-21.10	AV	39.00	150	Horizontal	Pass
6	12065.750	50.32	20.55	68.2	-17.88	Peak	210.00	150	Horizontal	Pass
6**	12065.750	35.61	20.55	54.0	-18.39	AV	210.00	150	Horizontal	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1095.000	35.38	-14.88	68.2	-32.82	Peak	0.00	150	Vertical	Pass
1**	1095.000	20.56	-14.88	54.0	-33.44	AV	0.00	150	Vertical	Pass
2	1499.500	38.90	-15.07	68.2	-29.30	Peak	0.00	150	Vertical	Pass
2**	1499.500	25.75	-15.07	54.0	-28.25	AV	0.00	150	Vertical	Pass
3	4006.000	46.75	-4.07	68.2	-21.45	Peak	11.00	150	Vertical	Pass
3**	4006.000	30.70	-4.07	54.0	-23.30	AV	11.00	150	Vertical	Pass
4	5830.000	90.41	0.49	--	34.41	Peak	56.00	150	Vertical	N/A
4**	5830.000	82.71	0.49	--	82.71	AV	56.00	150	Vertical	N/A
5	7586.500	47.51	17.98	68.2	-20.69	Peak	322.00	150	Vertical	Pass
5**	7586.500	32.97	17.98	54.0	-21.03	AV	322.00	150	Vertical	Pass
6	12599.063	51.88	21.98	68.2	-16.32	Peak	116.00	150	Vertical	Pass
6**	12599.063	36.22	21.98	54.0	-17.78	AV	116.00	150	Vertical	Pass

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

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1128.000	36.09	-15.32	68.2	-32.11	Peak	218.00	150	Horizontal	Pass
1**	1128.000	20.07	-15.32	54.0	-33.93	AV	218.00	150	Horizontal	Pass
2	1577.500	41.46	-15.27	68.2	-26.74	Peak	23.00	150	Horizontal	Pass
2**	1577.500	23.10	-15.27	54.0	-30.90	AV	23.00	150	Horizontal	Pass
3	3808.000	46.50	-5.75	68.2	-21.70	Peak	214.00	150	Horizontal	Pass
3**	3808.000	28.64	-5.75	54.0	-25.36	AV	214.00	150	Horizontal	Pass
4	5823.000	98.95	0.62	--	50.95	Peak	48.00	150	Horizontal	N/A
4**	5823.000	90.58	0.62	--	90.58	AV	48.00	150	Horizontal	N/A
5	7598.000	47.64	18.18	68.2	-20.56	Peak	269.00	150	Horizontal	Pass
5**	7598.000	33.10	18.18	54.0	-20.90	AV	269.00	150	Horizontal	Pass
6	12614.875	52.13	22.22	68.2	-16.07	Peak	360.00	150	Horizontal	Pass
6**	12614.875	36.92	22.22	54.0	-17.08	AV	360.00	150	Horizontal	Pass

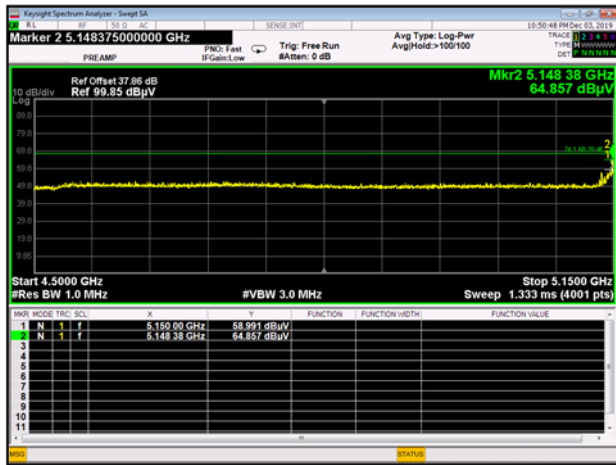
A.6.2 Band Edge (Restricted-band)

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

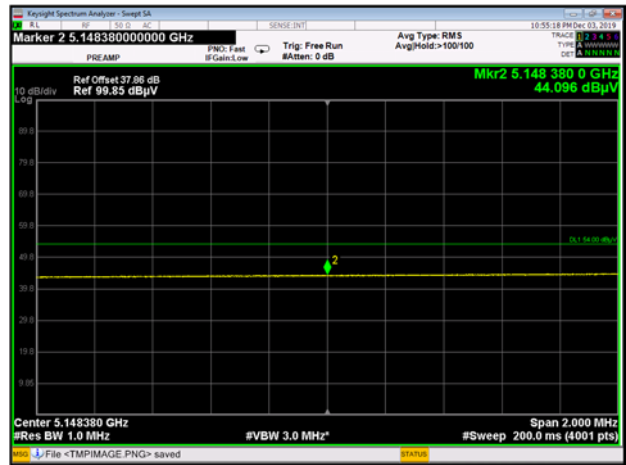
Test Plots

Vista 120/Vista 120S

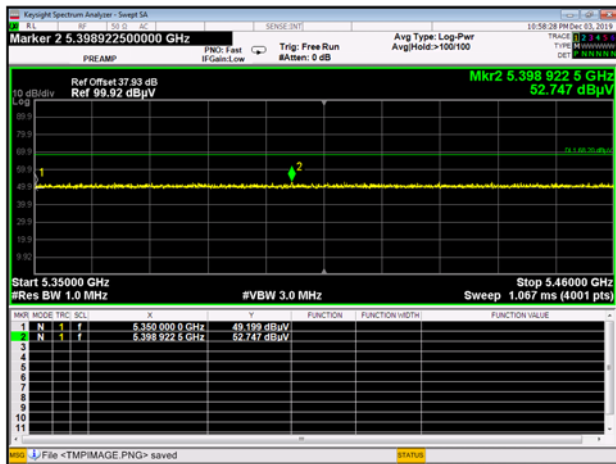
Band I 11a CH36 Peak



Band I 11a CH36 AV



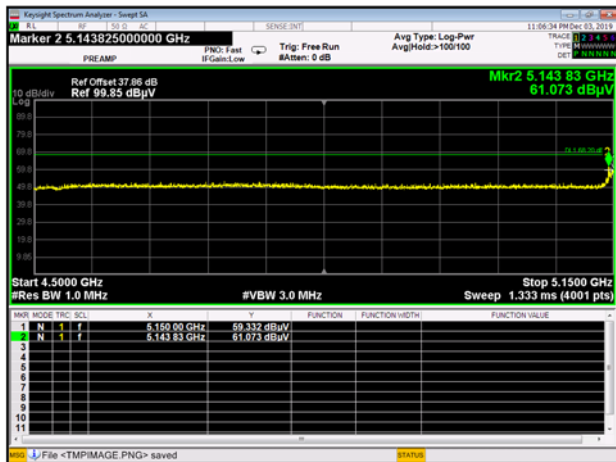
Band I 11a CH48 Peak



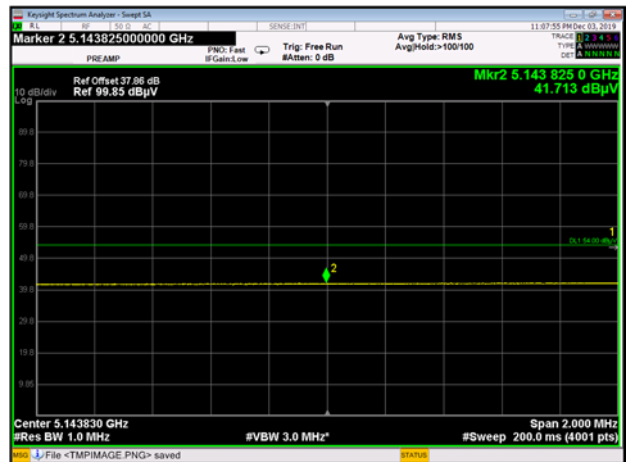
Band I 11a CH48 AV



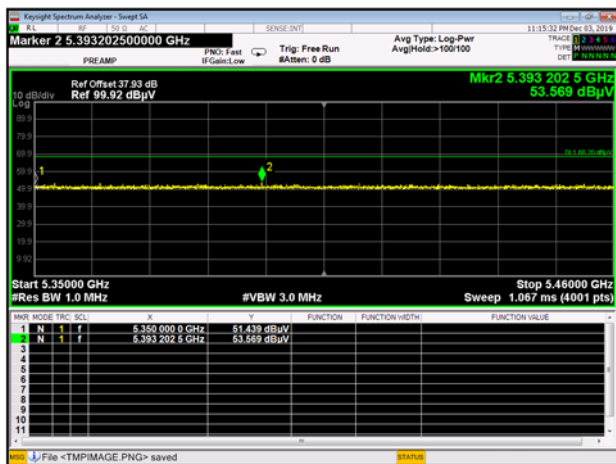
Band I 11n20 CH36 Peak



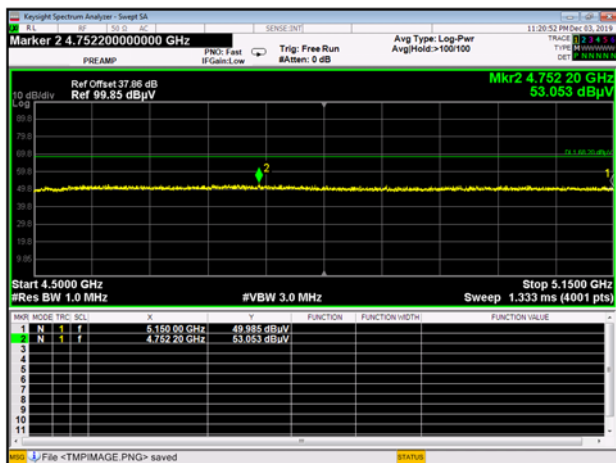
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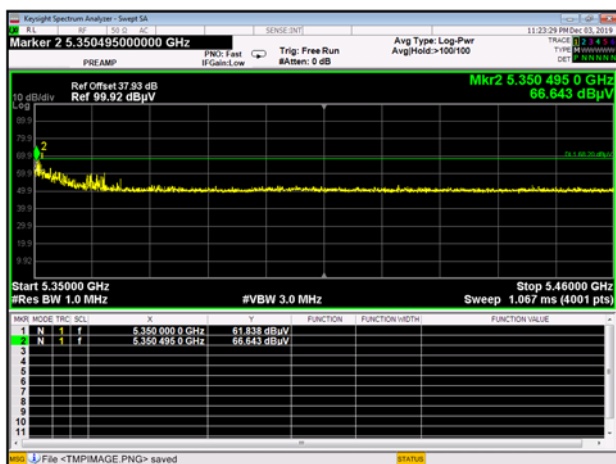
Band I 11n20 CH48 Peak



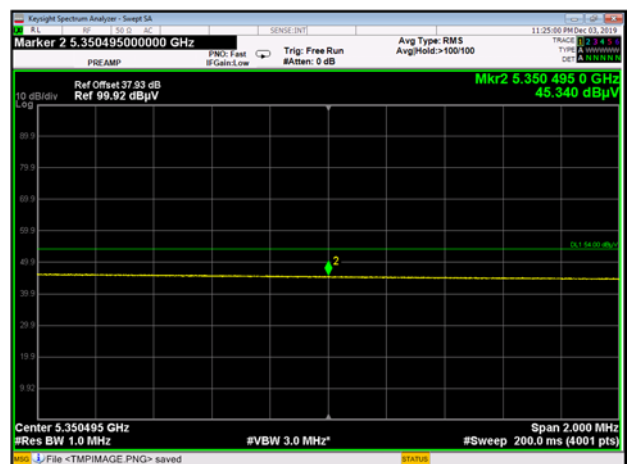
Band II 11a CH52 Peak



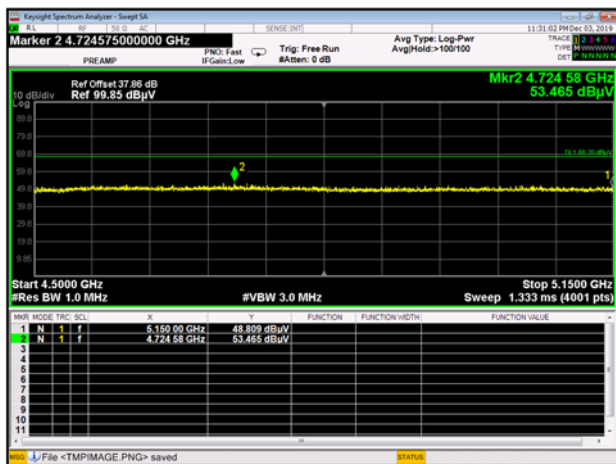
Band II 11a CH64 Peak



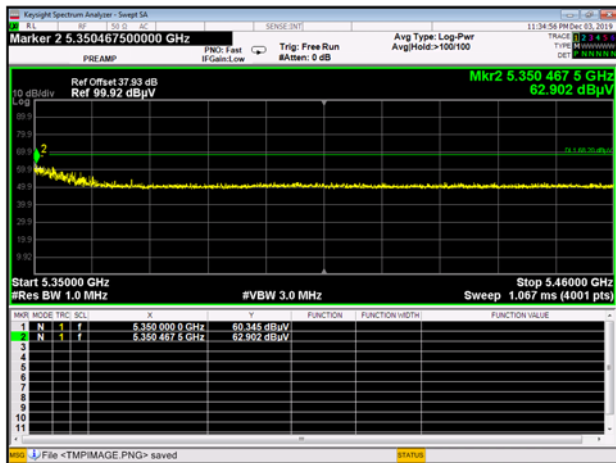
Band II 11a CH64 AV



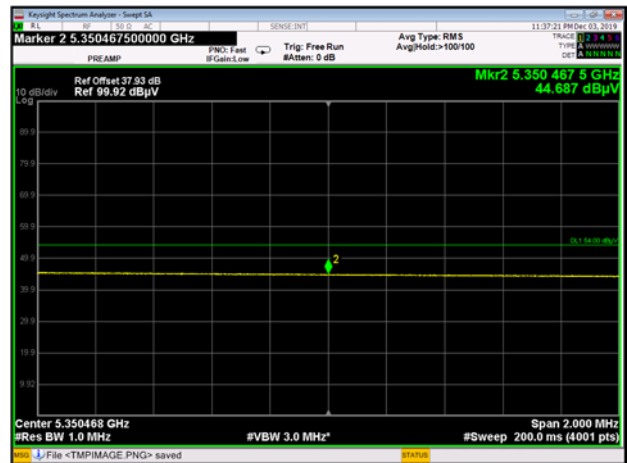
Band II 11n20 CH52 Peak



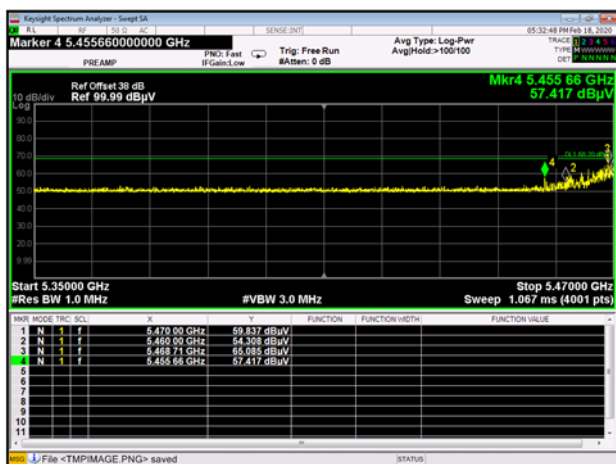
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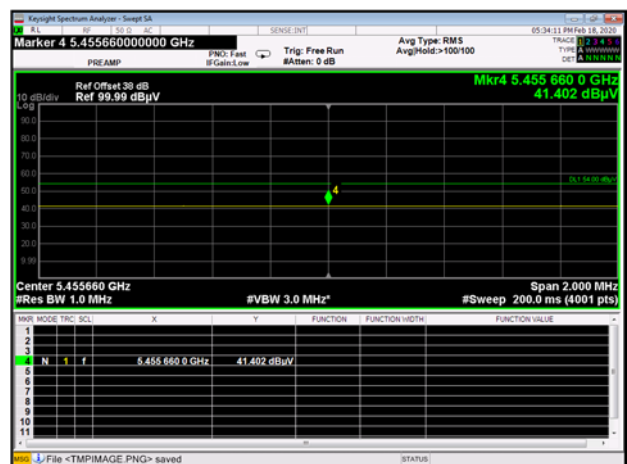
Band II 11n20 CH64 AV



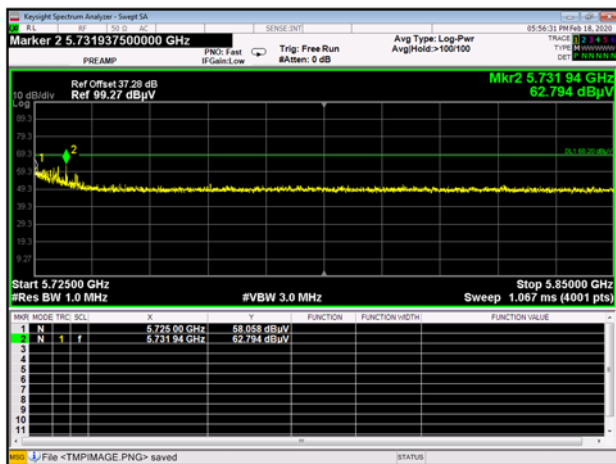
Band III 11a CH100 Peak



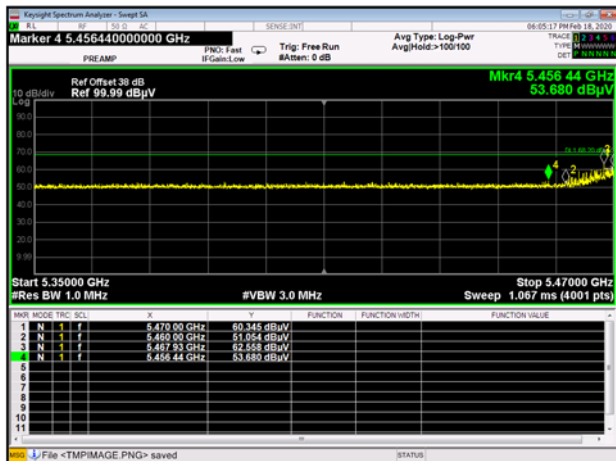
Band III 11a CH100 AV



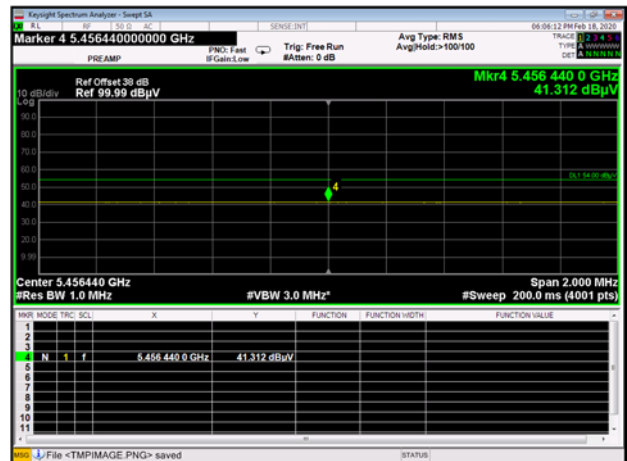
Band III 11a CH140 Peak



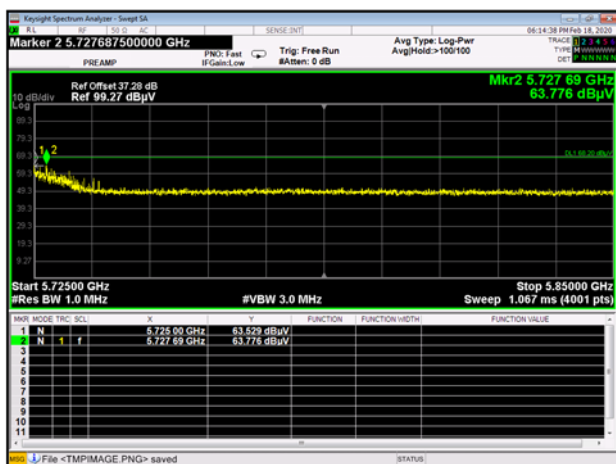
Band III 11n20 CH100 Peak



Band III 11n20 CH100 AV



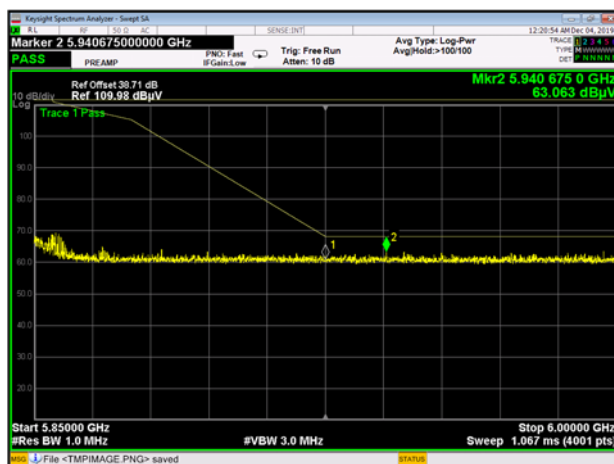
Band III 11n20 CH140 Peak



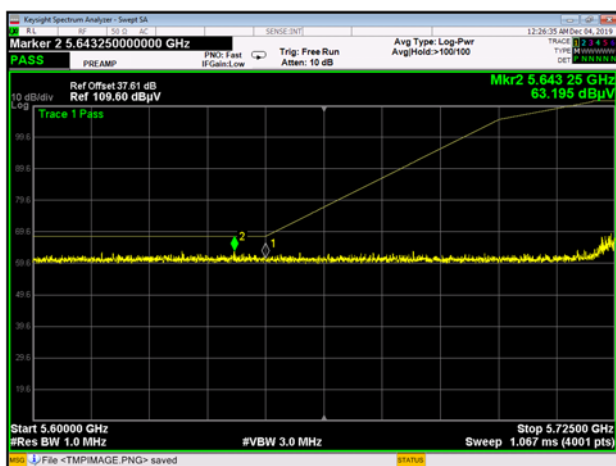
Band IV 11a CH149 Peak



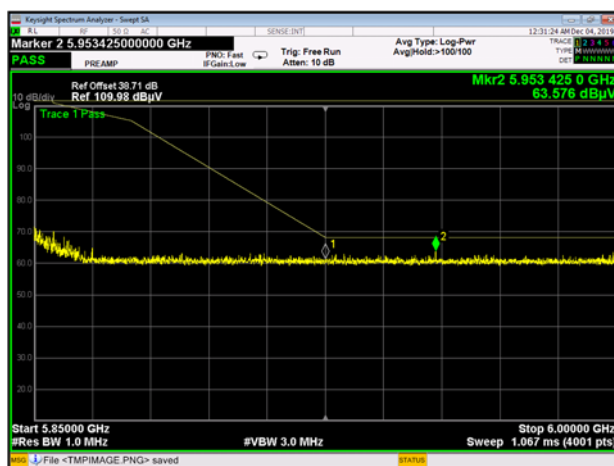
Band IV 11a CH165 Peak



Band IV 11n20 CH149 Peak

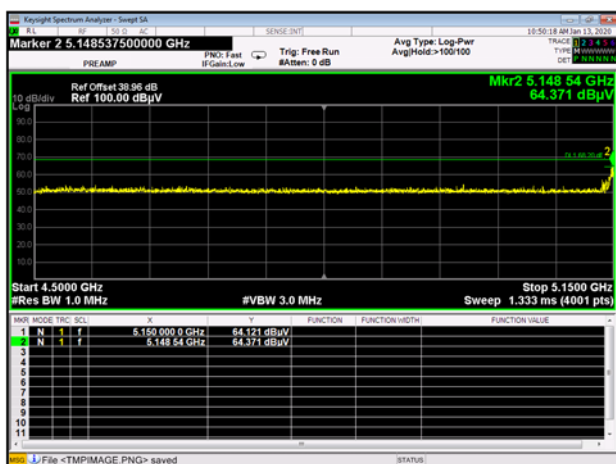


Band IV 11n20 CH165 Peak

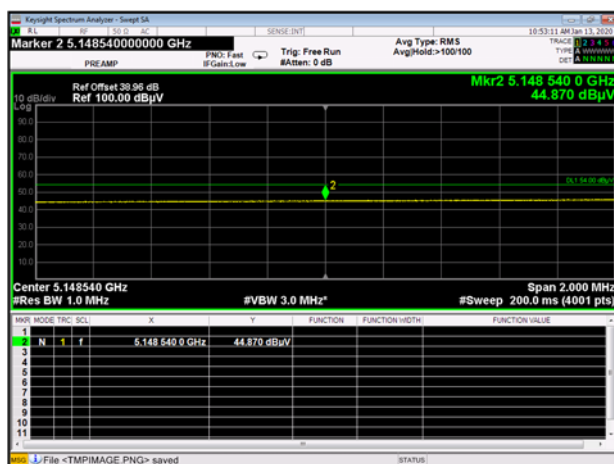


Vista 120 SC

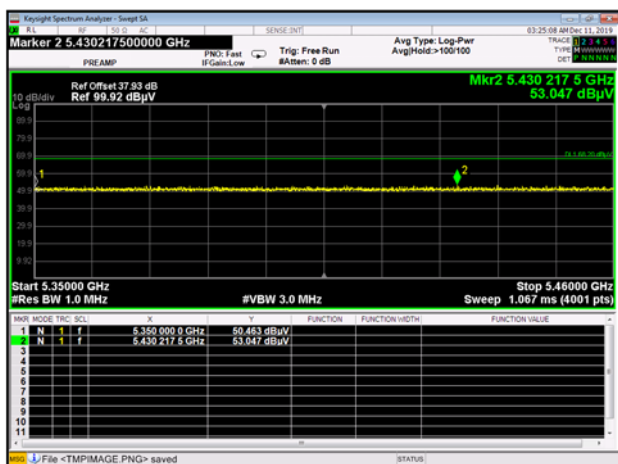
Band I 11a CH36 Peak



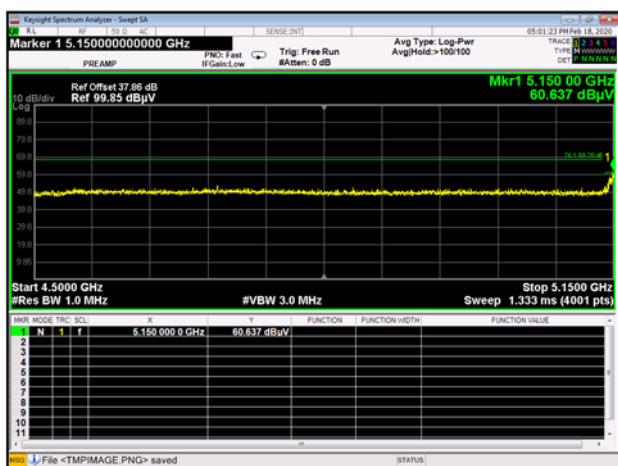
Band I 11a CH36 AV



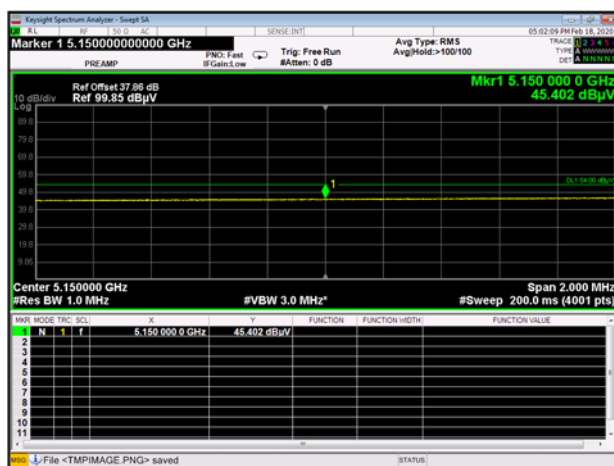
Band I 11a CH48 Peak



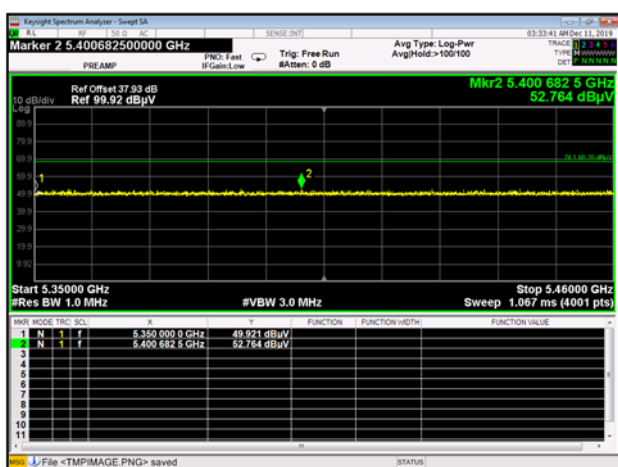
Band I 11n20 CH36 Peak



Band I 11n20 CH36 AV



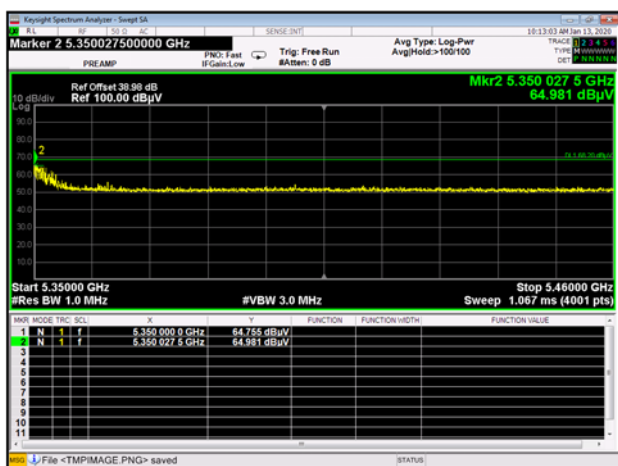
Band I 11n20 CH48 Peak



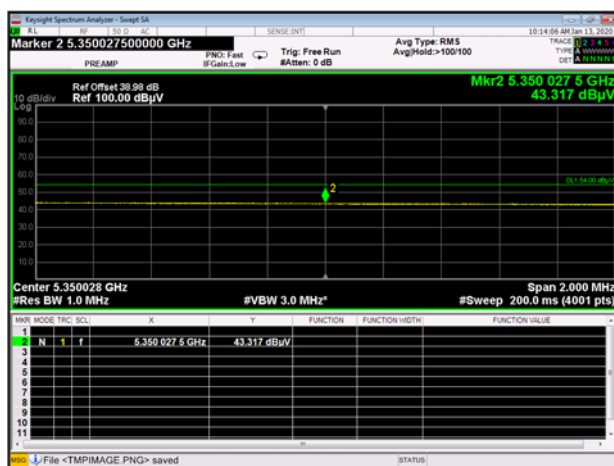
Band II 11a CH52 Peak



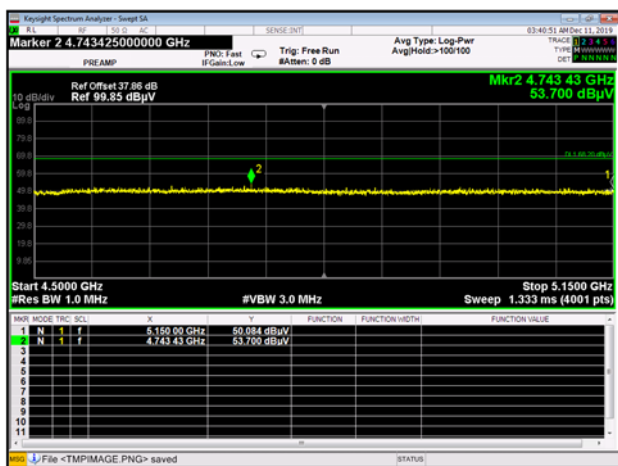
Band II 11a CH64 Peak



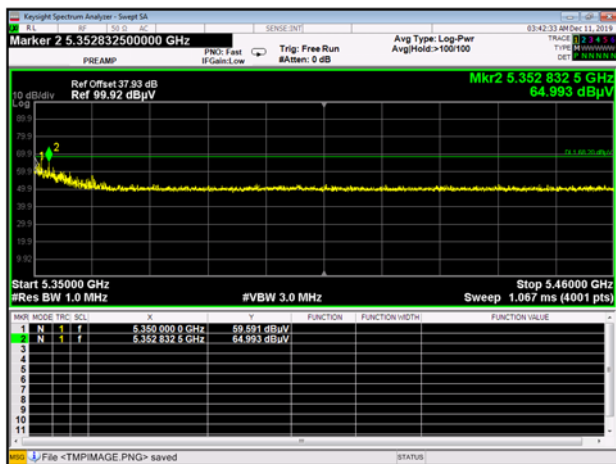
Band II 11a CH64 AV



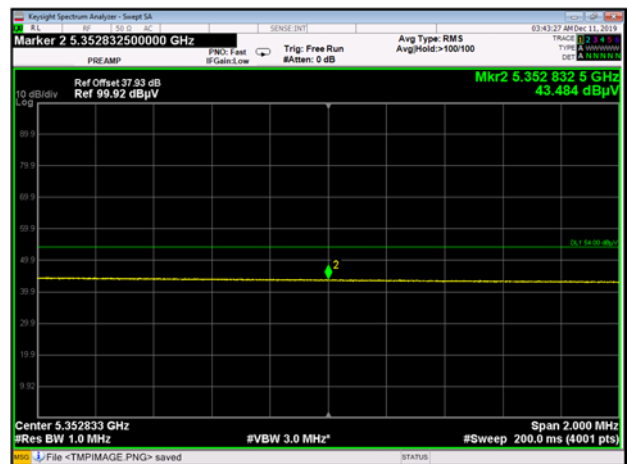
Band II 11n20 CH52 Peak



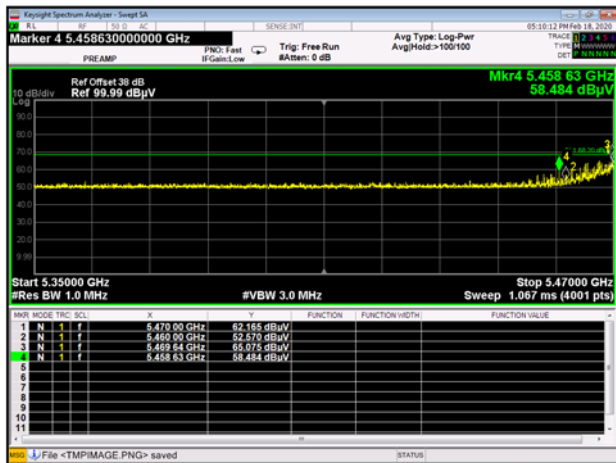
Band II 11n20 CH64 Peak



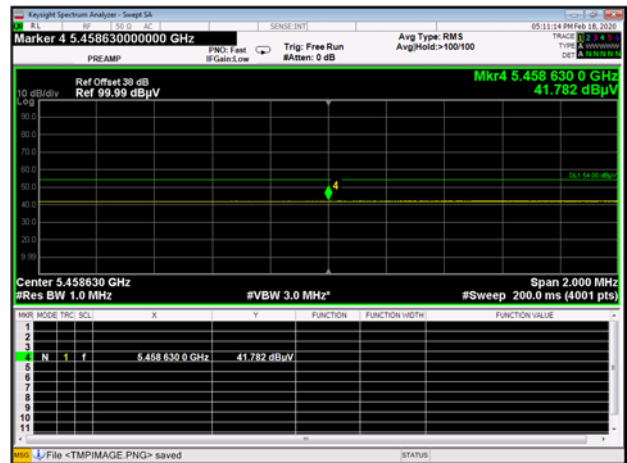
Band II 11n20 CH64 AV



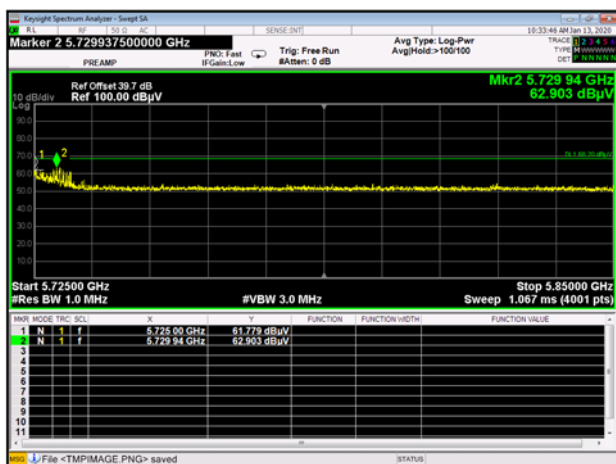
Band III 11a CH100 Peak



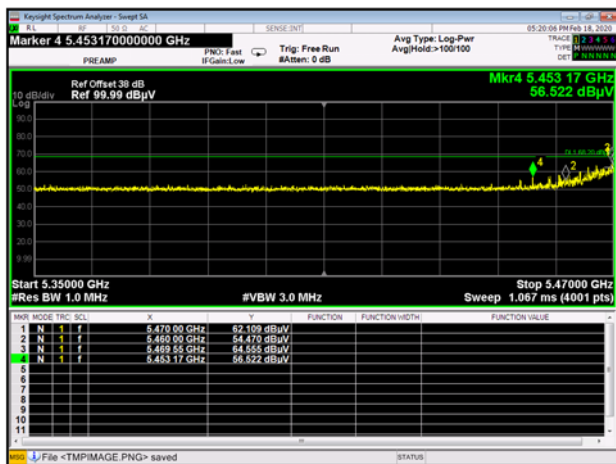
Band III 11a CH100 AV



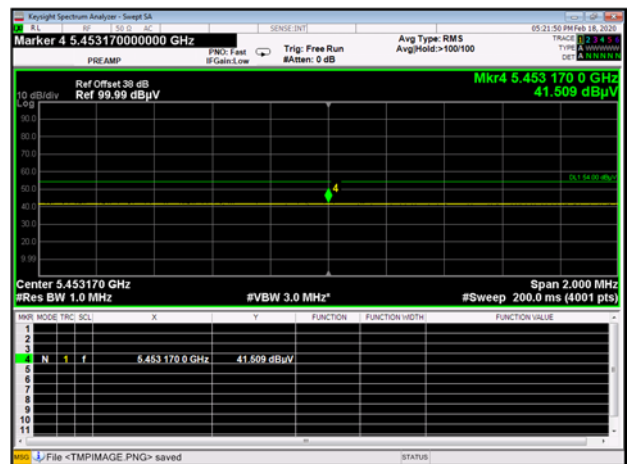
Band III 11a CH140 Peak



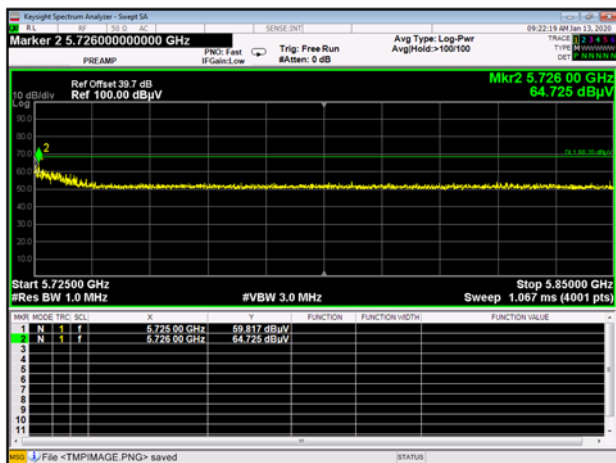
Band III 11n20 CH100 Peak



Band III 11n20 CH100 AV



Band III 11n20 CH140 Peak



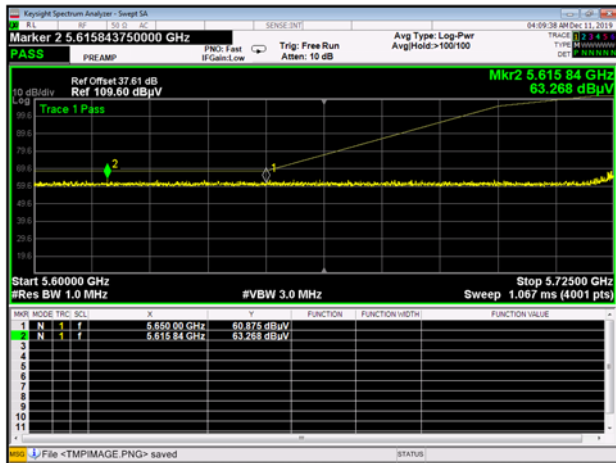
Band IV 11a CH165 Peak



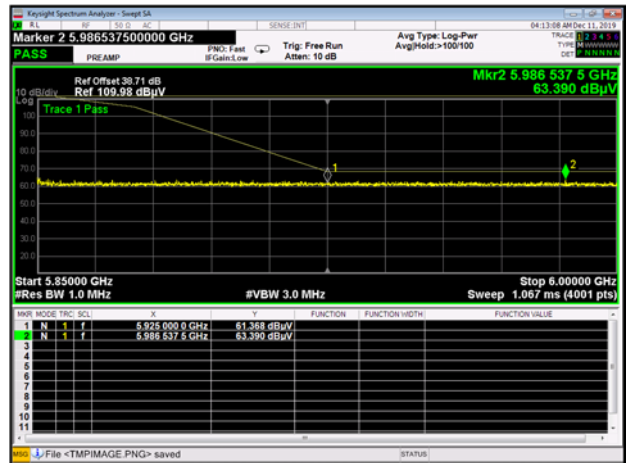
Band IV 11a CH149 Peak



Band IV 11n20 CH149 Peak



Band IV 11n20 CH165 Peak



ANNEX B TEST SETUP PHOTOS

Please refer the document "BL-SZ2030210-AR.PDF".

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document "BL-SZ2030210-AW.PDF".

ANNEX D EUT INTERNAL PHOTOS

Please refer the document "BL-SZ2030210-AI.pdf".

--END OF REPORT--