RF TEST REPORT

ISSUED BY
Shenzhen BALUN Technology Co., Ltd.

FOR

GWTC116-3BK

ISSUED TO
E&S International Enterprises, Inc.

7801 Hayvenhurst Avenue,Van Nuys, California 91406 USA

Tested by: Ye Hongji
Date: Jul. 06, 2021

Approved by: Liao Jianming
(Technical Director)
Date: Jul. 06, 2021

Report No.:	BL-SZ2140379-603
EUT Name:	GWTC116-3BK
Model Name:	GWTC116-3BK
Brand Name:	GATEWAY
Test Standard:	47 CFR Part 15 Subpart C (refer section 3.1)
FCC ID:	2AYPE-GWTC116-3
Test Conclusion:	Pass
Test Date:	Apr. 27, 2021 ~ Jun. 17, 2021
Date of Issue:	Jul. 06, 2021

Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong, P. R. China 518055
TEL: +86-755-66850100, FAX: +86-755-61824271
Email: qc@baluntek.com
www.baluntek.com

Revision History

Version	Issue Date	Revisions Content
Rev. 01	Jul. 06, 2021	Initial Issue

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1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

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

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a accredited testing laboratory. The designation number is CN1196.
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

1.3 Laboratory Condition

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

1.4 Announce

(1) The test report reference to the report template version v6.4.

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

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

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

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

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

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

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	E&S International Enterprises, Inc.
Address	7801 Hayvenhurst Avenue, Van Nuys, California 91406 USA

2.2 Manufacturer Information

Manufacturer	E&S International Enterprises, Inc.
Address	7801 Hayvenhurst Avenue, Van Nuys, California 91406 USA

2.3 Factory Information

Factory	GOLDEN ELITE TECHNOLOGY (SHENZHEN) LTD.
Address	NO.1, NAN-HUAN RD., SHAJING, BAOAN, SHENZHEN, CHINA

2.4 General Description for Equipment under Test (EUT)

EUT Type	GWTC116-3BK
Model Name Under Test	GWTC116-3BK
Series Model Name	N/A
Description of Model name differentiation	N/A
Hardware Version	1.0
Software Version	R6000 image
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A

2.5 Technical Information

Network and Wireless connectivity	3G Network WCDMA/HSDPA/HSUPA Band 2/5 4G Network FDD LTE Band 2/4/5/12/30/66 Bluetooth (BR+EDR+BLE) WIFI 802.11a, 802.11b, 802.11g, 802.11n and 802.11ac U-NII-1/3

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

Frequency Range		802.11b/g/n/VHT(20 MHz) 20: 2.412 GHz - 2.462 GHz f_c = 2412 MHz + (N-1)*5 MHz, where - f_c = “Operating Frequency” in MHz, - N = “Channel Number” with the range from 1 to 11. 802.11n)/VHT(40 MHz): 2.422 GHz - 2.452 GHz f_c = 2412 MHz + (N-1)*5 MHz, where - f_c = “Operating Frequency” in MHz, - N = “Channel Number” with the range from 3 to 9.
Modulation Type		DSSS, OFDM
Product Type		☐ Mobile ☒ Portable ☐ Fix Location
Antenna System (eg., MIMO, Smart Antenna)		Cyclic Delay Diversity (CDD) for 802.11n Basic methodology with *NANT* transmit antennas, each with the same directional gain *GANT* dBi for 802.11b/g
Categorization as Correlated or Completely Uncorrelated		Categorization as Correlated
Antenna Type	Main Antenna	PIFA Antenna
	Aux. Antenna	
Antenna Gain	Main Antenna	3.88 dBi (In test items related to antenna gain, the final results reflect this figure. This value is provided by the applicant.)
	Aux. Antenna	
Total directional gain	For power spectral density(PSD) measurements	6.88 dBi Formulas: Directional gain = GANT + Array Gain, *Array Gain = 10 log(NANT/NSS) dB*. *NSS* =1, GANT set equal to the gain of the antenna having the highest gain.
	For power measurements	3.88 dBi Formulas: Directional gain = GANT + Array Gain, *Array Gain* = 0, GANT set equal to the gain of the antenna having the highest gain.
	For Conducted Out-of-Band and Spurious Measurements	6.88 dBi Formulas: Directional gain = GANT + Array Gain, *Array Gain = 10 log(NANT/NSS) dB*. *NSS* =1, GANT set equal to the gain of the antenna having the highest gain.
About the Product		Only the WIFI 802.11b, 802.11g, 802.11n (HT20/40), VHT20 and VHT40 was tested in this report.

Mode	Antenna	
	Main Antenna	Aux. Antenna
802.11b	√	√
802.11g	√	√
802.11n20	√	√
802.11n40	√	√
VHT20	√	√
VHT40	√	√
Note: All the configurations were tested, but only the worst data was shown in this report.		

Modulation technology	Modulation Type	Transfer Rate (Mbps)
DSSS (802.11b)	DBPSK	1
	DQPSK	2
	CCK	5.5/11
OFDM (802.11g)	BPSK	6/9
	QPSK	12/18
	16QAM	24/36
	64QAM	48 / 54
OFDM (802.11n/VHT-20 MHz)	BPSK	6.5/7.2
	QPSK	13/19.5/14.4/21.7
	16QAM	26/39/28.9/43.3
	64QAM	52/58.5/65/57.8/65/72.2
OFDM (802.11n/VHT-40 MHz)	BPSK	13.5/15
	QPSK	27/40.5/30/45
	16QAM	54/81/60/90
	64QAM	108/121.5/135/120/150

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	Channel	
Output Power	11b/11g/11n20/11n40/ VHT20/VHT40	1/6/6.5/13.5/ 6.5/13.5 Mbps	1/2/6/10/ 11/12/13	3/4/6/8/9/ 10/11
6dB Bandwidth	11b/11g/11n20/11n40	1/6/6.5/13.5 Mbps	1/6/11/12 /13	3/6/9/10/ 11
Conducted Spurious Emission	11b/11g/11n20/11n40	1/6/6.5/13.5 Mbps	1/2/6/10/ 11/12/13	3/4/6/8/9/ 10/11
Conducted Emission	11b/11g/11n20/11n40/ VHT20/VHT40	1/6/6.5/13.5/ 6.5/13.5 Mbps	1/6/11	3/6/9
Radiated Spurious Emission	11b/11g/11n20/11n40/ VHT20/VHT40	1/6/6.5/13.5/ 6.5/13.5 Mbps	1/2/6/10/ 11/12/13	3/4/6/8/9/ 10/11
Band Edge	11b/11g/11n20/11n40/ VHT20/VHT40	1/6/6.5/13.5/ 6.5/13.5 Mbps	1/2/6/10/ 11/12/13	3/4/6/8/9/ 10/11
Power spectral density (PSD)	11b/11g/11n20/11n40	1/6/6.5/13.5 Mbps	1/6/11/12 /13	3/6/9/10/ 11

Note: The above EUT information in section 2.4 and 2.6 was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

2.6 Additional Instructions

EUT Software Settings:

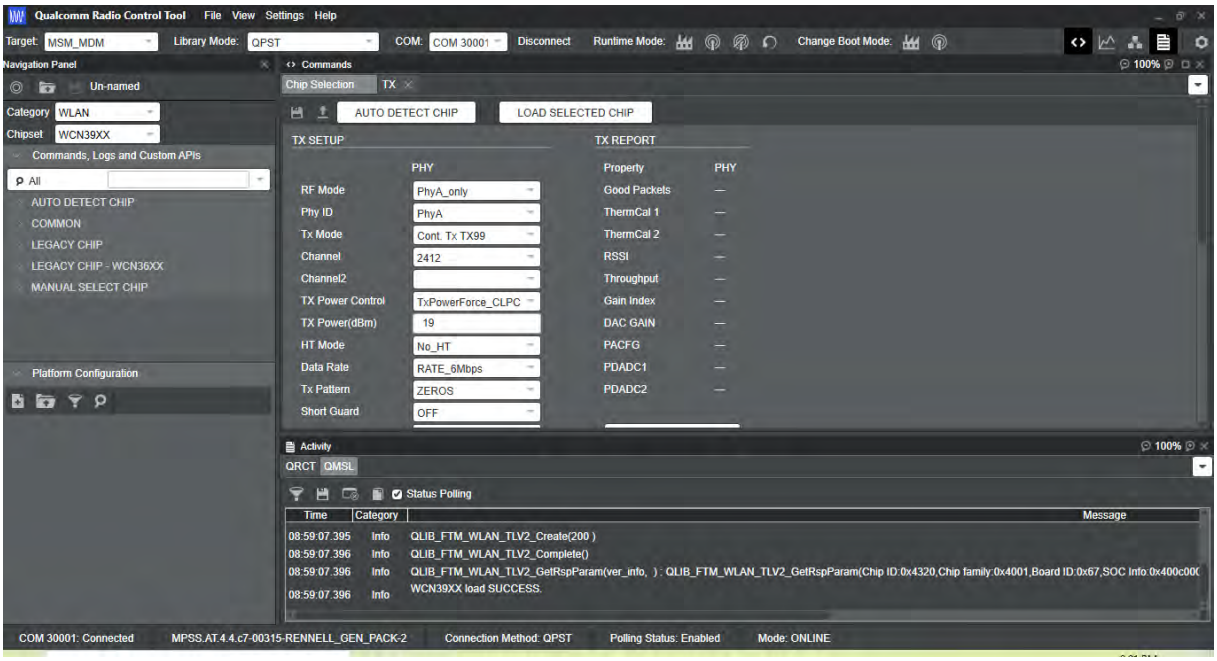
Mode	☒ Special software is used. The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

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.

Power level setup in software			
Test Software Version	QRCT4		
Mode	Channel	Soft Set	
		Main Antenna	Aux. Antenna
802.11 b	1	19.00	15.50
	2	19.00	15.50
	6	19.50	17.00
	10	19.50	16.00
	11	18.00	17.00
	12	18.00	16.50
	13	16.50	14.50
802.11 g	1	17.00	18.00
	2	19.00	18.00
	6	20.00	21.00
	10	18.50	18.50
	11	16.50	17.50
	12	15.50	16.00
	13	3.00	4.00
802.11 n20	1	16.00	15.00
	2	19.00	16.50
	6	19.50	21.00
	10	18.50	18.50
	11	16.50	17.50
	12	14.00	15.00
	13	4.50	2.50
802.11 n40	3	15.00	14.00
	4	15.00	15.00
	6	18.00	19.00
	8	15.50	16.00
	9	14.50	15.00
	10	9.00	10.00
	11	0.50	1.50
VHT20	1	16.00	15.00
	2	18.00	16.50
	6	19.00	20.50

Power level setup in software			
Test Software Version	QRCT4		
Mode	Channel	Soft Set	
		Main Antenna	Aux. Antenna
	10	18.50	18.50
	11	16.50	17.50
	12	14.00	15.00
	13	4.00	2.50
VHT40	3	15.00	14.00
	4	15.50	15.00
	6	18.00	19.00
	8	15.50	16.00
	9	14.50	15.00
	10	9.00	9.00
	11	0.50	1.00

Run software:



3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Miscellaneous Wireless Communications Services
2	KDB Publication 558074 D01v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES
3	KDB Publication 662911 D01v02r01	Emissions Testing of Transmitters with Multiple Outputs in the Same Band (e.g., MIMO, Smart Antenna, etc)
4	ANSI C63.10-2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Verdict

No.	Description	FCC PART No.	Test Result	Verdict
1	Antenna Requirement	15.203; 15.247(b)	N/A	Pass Note 1
2	Output Power	15.247(b)	ANNEX A.1	Pass
3	6dB Bandwidth	15.247(a)	ANNEX A.2	Pass
4	Conducted Spurious Emission	15.247(d)	ANNEX A.3	Pass
5	Band Edge(Authorized-band band-edge)	15.209; 15.247(d)	ANNEX A.4	Pass
6	Conducted Emission	15.207	ANNEX A.5	Pass
7	Radiated Spurious Emission	15.209; 15.247(d)	ANNEX A.6	Pass
8	Band Edge(Restricted-band band-edge)	15.209; 15.247(d)	ANNEX A.7	Pass
9	Power spectral density (PSD)	15.247(e)	ANNEX A.8	Pass
10	Receiver Spurious Emissions	N/A	N/A	N/A Note 2

Note [1]: Please refer to section 5.1.

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]: The RF module (Model Name: QSIP7180, FCC ID: J9CQSIP7180) installed in the EUT is electronically and mechanically identical to the original certified module in the test report No.FR042002-06C & FR042002C, so just Conducted Emission & Radiated Spurious Emission & Band Edge(Restricted-band band-edge) were retested in this report. Other test items please refer to the No.FR042002-06C & FR042002C.

Report No.FR042002-06C, which issued by SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory on Sep. 17, 2020.

Report No.FR042002C, which issued by SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory on Oct. 23, 2020.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

Relative Humidity	45% - 55%	
Atmospheric Pressure	100 kPa - 102 kPa	
Temperature	NT (Normal Temperature)	+22℃ to +25℃
Working Voltage of the EUT	NV (Normal Voltage)	7.6 V

Note: The extreme test conditions please refer to the Report No.FR042002-06C, which issued by SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory on Sep. 17, 2020.
Report No.FR042002C, which issued by SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory on Oct. 23, 2020.

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-40	101544	2021.04.01	2022.03.31
Bluetooth Signaling Unit	ROHDE&SCHWARZ	CMW500	142028	2021.06.01	2022.05.31
EMI Receiver	KEYSIGHT	N9038A	MY53220118	2021.06.01	2022.05.31
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2021.06.01	2022.05.31
LISN	SCHWARZBECK	NSLK 8127	8127-687	2021.06.01	2022.05.31
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2019.10.29	2021.10.28
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2019.07.02	2021.07.01
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1917	2019.07.02	2021.07.01
Test Antenna-Horn (18-40 GHz)	A-INFO	LB-180400KF	J211060273	2021.01.05	2023.01.04
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	2018.08.08	2021.08.07
Shielded Enclosure	ChangNing	CN-130701	130703	--	--

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.

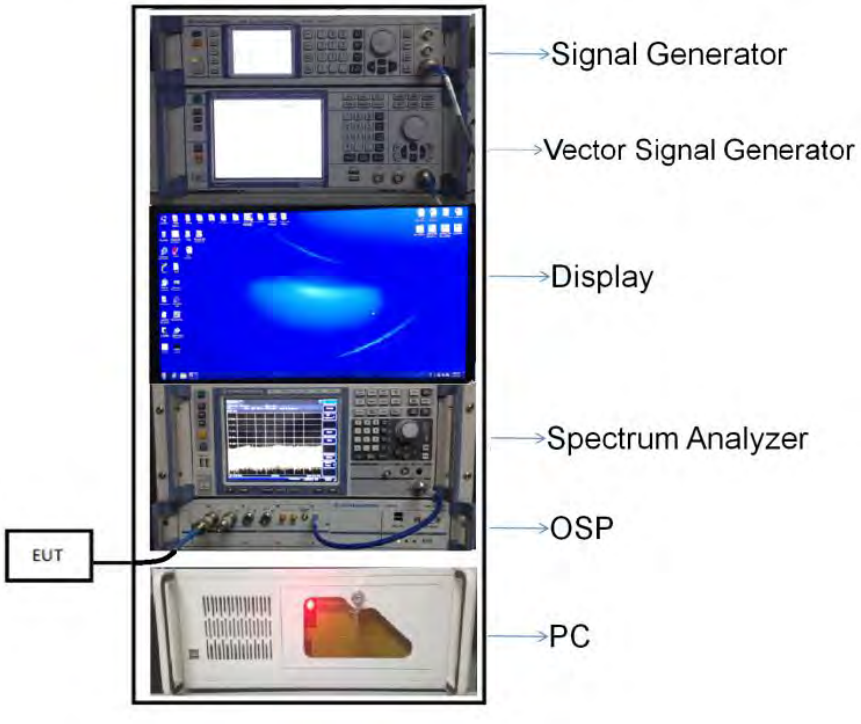
Measurement	Value
Occupied Channel Bandwidth	±4%
RF output power, conducted	±1 .21 dB
Power Spectral Density, conducted	±1.25 dB
Unwanted Emissions, conducted	±1.26 dB
All emissions, radiated	±3.86 dB
Temperature	±1°C
Humidity	±4%

4.4 Description of Test Setup

4.4.1 For Antenna Port Test

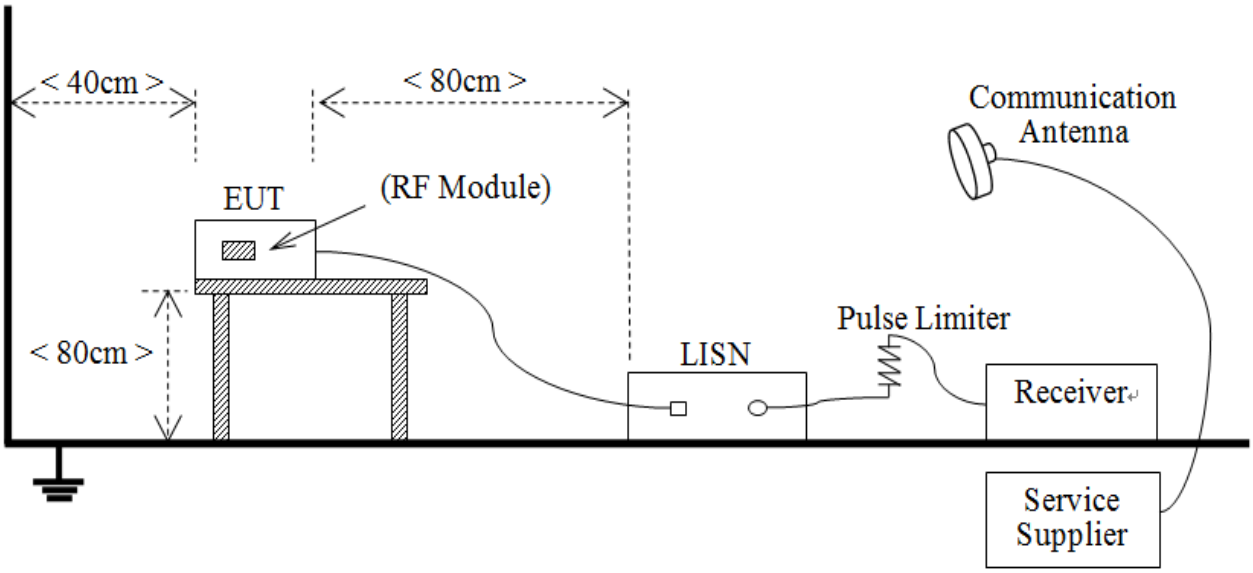
Conducted value (dBm) = Measurement value (dBm) + cable loss (dB)

For example: the measurement value is 10 dBm and the cable 0.5dBm used, then the final result of EUT:
Conducted value (dBm) = 10 dBm + 0.5 dB = 10.5 dBm



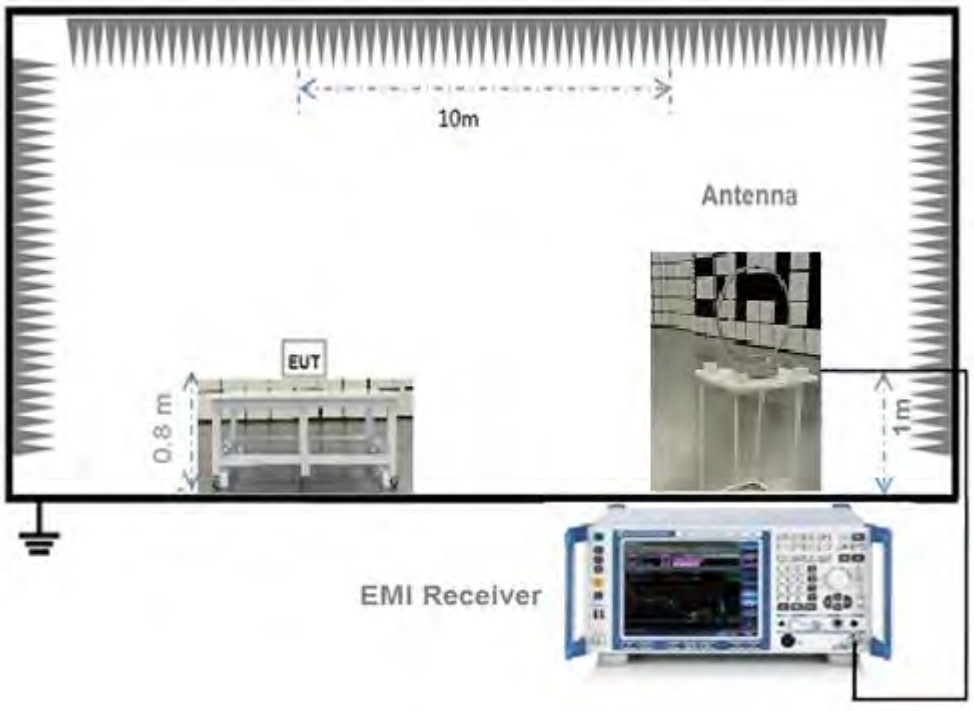
(Diagram 1)

4.4.2 For AC Power Supply Port Test



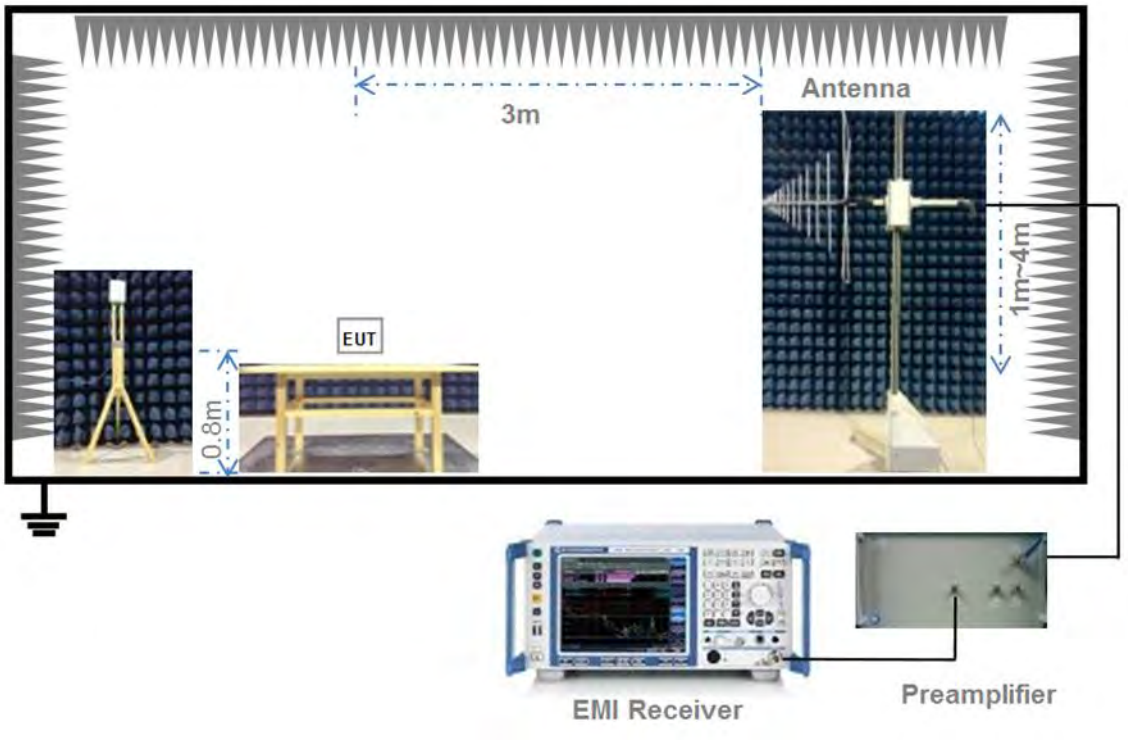
(Diagram 2)

4.4.3 For Radiated Test (Below 30 MHz)



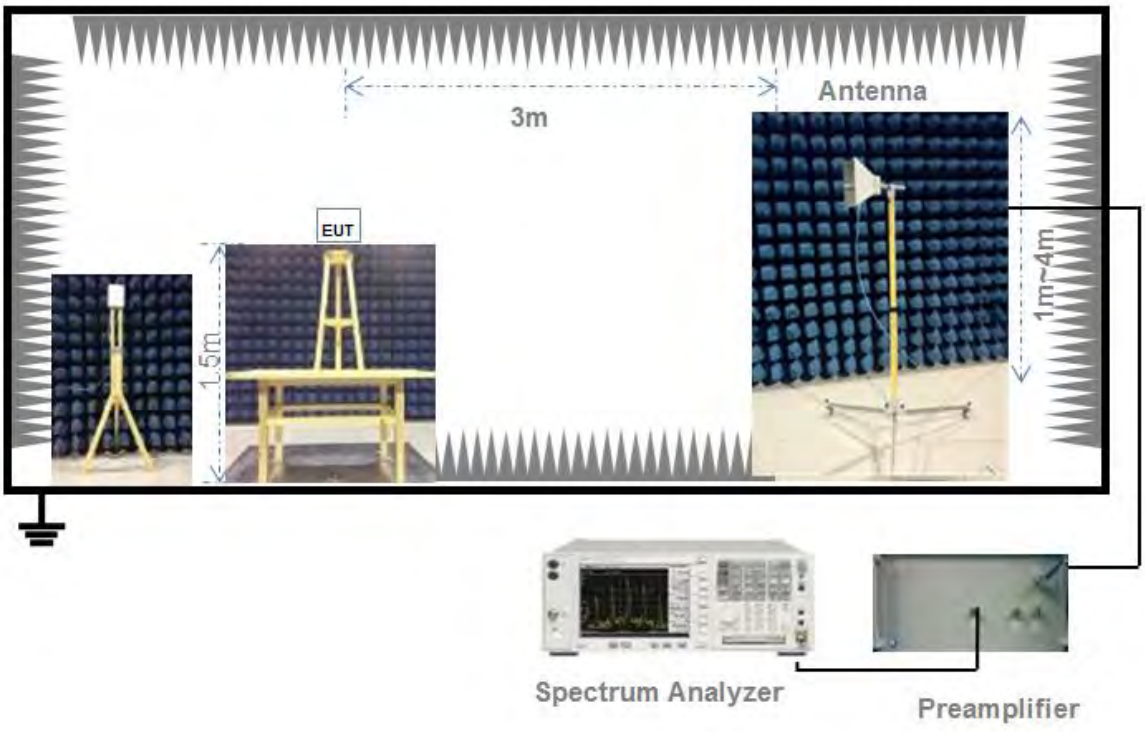
(Diagram 3)

4.4.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.4.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

4.5 Measurement Results Explanation Example

4.5.1 For conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.

4.5.2 For radiated band edges and spurious emission test:

E = EIRP – 20log D + 104.8

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

EIRP= Measure Conducted output power Value (dBm) + Maximum transmit antenna gain (dBi) + the appropriate maximum ground reflection factor (dB)

5 TEST ITEMS

5.1 Antenna Requirements

5.1.1 Relevant Standards

FCC §15.203 & 15.247(b); RSS-247, 5.4 (f)

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

注：天线的要求可以通过两种方法进行满足：方法 1，有特殊的天线接口

Protected Method	Description
Compliance with 15.203, use of a standard antenna jack or electrical connector is prohibited.	The antenna is the unique connector with a wire antenna.

Reference Documents	Item
Photo	Please refer to the EUT Photo documents.

方法 2，内置焊接的天线

Protected Method	Description
The antenna is embedded in the product.	An embedded-in antenna design is used.

Reference Documents	Item
Photo	Please refer to the EUT Photo documents.

5.1.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

5.2 Output Power

5.2.1 Test Limit

FCC § 15.247(b); RSS-247, 5.4 (d)

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements.

5.2.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

Maximum peak conducted output power

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

Maximum conducted (average) output power (Reporting Only)

a) As an alternative to spectrum analyzer or EMI receiver measurements, measurements may be performed

using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

1) The EUT is configured to transmit continuously, or to transmit with a constant duty factor.

2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.

3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a

factor of five.

b) If the transmitter does not transmit continuously, measure the duty cycle (x) of the transmitter output signal as

described in Section 6.0.

c) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

d) Adjust the measurement in dBm by adding 10log (1/x), where x is the duty cycle to the measurement result.

Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal.

Set the center frequency of the instrument to the center frequency of the transmission.

Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.

Set VBW ≥ RBW. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T ≤ 16.7 microseconds.)

5.2.4 Test Result

Please refer to ANNEX A.1.

5.3 6dB Bandwidth

5.3.1 Limit

FCC §15.247(a); RSS-GEN, 6.7

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW. The 6 dB bandwidth must be greater than 500 kHz.

5.3.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

Use the following spectrum analyzer settings:

Set RBW = 100 kHz.

Set the video bandwidth (VBW) ≥ 3 RBW.

Detector = Peak.

Trace mode = max hold.

Sweep = auto couple.

Allow the trace to stabilize.

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.

5.3.4 Test Result

Please refer to ANNEX A.2.

5.4 Conducted Spurious Emission

5.4.1 Limit

FCC §15.247(d); RSS-247, 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.4.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The DTS rules specify that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions:

a) If the maximum peak conducted output power procedure was used to demonstrate compliance as described in 9.1, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 20 dBc).

b) If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz (i.e., 30 dBc).

c) In either case, attenuation to levels below the 15.209 general radiated emissions limits is not required.

The following procedures shall be used to demonstrate compliance to these limits. Note that these procedures can be used in either an antenna-port conducted or radiated test set-up. Radiated tests must conform to the test site requirements and utilize maximization procedures defined herein.

Reference level measurement

Establish a reference level by using the following procedure:

Set instrument center frequency to DTS channel center frequency.

Set the span to ≥ 1.5 times the DTS bandwidth.

Set the RBW = 100 kHz.

Set the VBW ≥ 3 x RBW.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum PSD level.

Emission level measurement

Use the following spectrum analyzer settings:

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

Set the RBW = 100 kHz.

Set the VBW ≥ 3 x RBW.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in 11.1 a) or 11.1 b). Report the three highest emissions relative to the limit.

5.4.4 Test Result

Please refer to ANNEX A.3.

5.5 Band Edge (Authorized-band band-edge)

5.5.1 Limit

FCC §15.247(d); RSS-GEN, 8.9, RSS-247, 5.5

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.5.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

The following procedures may be used to determine the peak or average field strength or power of an unwanted emission that is within 2 MHz of the authorized band edge. If a peak detector is utilized, use the procedure described in 13.2.1. Use the procedure described in 13.2.2 when using an average detector and the EUT can be configured to transmit continuously (i.e., duty cycle $\geqslant$ 98%). Use the procedure described in 13.2.3 when using an average detector and the EUT cannot be configured to transmit continuously but the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent). Use the procedure described in 13.2.4 when using an average detector for those cases where the EUT cannot be configured to transmit continuously and the duty cycle is not constant (duty cycle variations equal or exceed 2 percent).

When using a peak detector to measure unwanted emissions at or near the band edge (within 2 MHz of the authorized band), the following integration procedure can be used.

Set instrument center frequency to the frequency of the emission to be measured (must be within 2 MHz of the authorized band edge).

Set span to 2 MHz

RBW = 100 kHz.

VBW $\geqslant$ 3 x RBW.

Detector = peak.

Sweep time = auto.

Trace mode = max hold.

Allow sweep to continue until the trace stabilizes (required measurement time may increase for low duty cycle applications)

Compute the power by integrating the spectrum over 1 MHz using the analyzer's band power measurement function with band limits set equal to the emission frequency (femission) ± 0.5 MHz. If the instrument does not have a band power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by femission ± 0.5 MHz.

Standard method(The 99% OBW of the fundamental emission is without 2 MHz of the authorized band):

Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products that fall outside of the authorized band of operation.

Reference level: As required to keep the signal from exceeding the maximum instrument input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.

Attenuation: Auto (at least 10 dB preferred).

Sweep time: Coupled.

Resolution bandwidth: 100 kHz.

Video bandwidth: 300 kHz.

Detector: Peak.

Trace: Max hold.

5.5.4 Test Result

Please refer to ANNEX A.4.

5.6 Conducted Emission

5.6.1 Limit

FCC §15.207; RSS-GEN, 8.8

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

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

5.6.2 Test Setup

See section 4.4.2 for test setup description for the AC power supply port. The photo of test setup please refer to ANNEX B.

5.6.3 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.
Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

5.6.4 Test Result

Please refer to ANNEX A.5.

5.7 Radiated Spurious Emission

5.7.1 Limit

FCC §15.209&15.247(c); RSS-247, 5.5

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note:

1. For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

2. For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).

5.7.2 Test Setup

See section 4.4.3 to 4.4.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.7.3 Test Procedure

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

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

General Procedure for conducted measurements in restricted bands

a) Measure the conducted output power (in dBm) using the detector specified (see guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).

b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see guidance on determining the applicable antenna gain)

c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).

d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).

e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

E = EIRP – 20log D + 104.8

where:

E = electric field strength in dBμV/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

f) Compare the resultant electric field strength level to the applicable limit.

g) Perform radiated spurious emission test.

Quasi-Peak measurement procedure

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

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

Peak power measurement procedure

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

a) RBW = as specified in Table 1.

b) VBW ≥ 3 x RBW.

c) Detector = Peak.

d) Sweep time = auto.

e) Trace mode = max hold.

f) Allow sweeps to continue until the trace stabilizes. (Note that the required measurement time may be longer for low duty cycle applications).

Table 1—RBW as a function of frequency

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

> 1000 MHz	1 MHz

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

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

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

a) The EUT shall be configured to operate at the maximum achievable duty cycle.

b) Measure the duty cycle, x, of the transmitter output signal as described in section 6.0.

c) RBW = 1 MHz (unless otherwise specified).

d) VBW ≥ 3 x RBW.

e) Detector = RMS, if span/(# of points in sweep) ≤ (RBW/2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.

f) Averaging type = power (i.e., RMS).

1) As an alternative, the detector and averaging type may be set for linear voltage averaging.

2) Some instruments require linear display mode in order to use linear voltage averaging. Log or dB averaging shall not be used.

g) Sweep time = auto.

h) Perform a trace average of at least 100 traces.

i) A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 percent duty cycle. The correction factor is computed as follows:

1) If power averaging (RMS) mode was used in step f), then the applicable correction factor is 10 log(1/x), where x is the duty cycle.

2) If linear voltage averaging mode was used in step f), then the applicable correction factor is 20 log(1/x), where x is the duty cycle.

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

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

Determining the applicable transmit antenna gain

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

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

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

Radiated spurious emission test

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

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

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

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

5.7.4 Test Result

Please refer to ANNEX A.6.

5.8 Band Edge (Restricted-band band-edge)

5.8.1 Limit

FCC §15.209&15.247(c); RSS-247, 5.5

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

5.8.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.8.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

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

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured
RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto
Detector function = peak
Trace = max hold

For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported, Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

For transmitters operating above 1 GHz repeat the measurement with an average detector.

5.8.4 Test Result

Please refer to ANNEX A.7.

5.9 Power Spectral density (PSD)

5.9.1 Limit

FCC §15.247(d); RSS-247, 5.2 (b)

The same method of determining the conducted output power shall be used to determine the power spectral density. If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used.

5.9.2 Test Setup

See section 4.4.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.9.3 Test Procedure

Set analyzer center frequency to DTS channel center frequency.

Set the span to 1.5 times the DTS bandwidth.

Set the RBW to: 3 kHz $\leqslant$ RBW $\leqslant$ 100 kHz.

Set the VBW $\geqslant$ 3 RBW.

Detector = peak.

Sweep time = auto couple.

Trace mode = max hold.

Allow trace to fully stabilize.

Use the peak marker function to determine the maximum amplitude level within the RBW.

If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.9.4 Test Result

Please refer to ANNEX A.8.

ANNEX A TEST RESULT

A.1 Output Power

Note: The Output Power please refer to the Report No.FR042002C, which issued by SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory on Oct. 23, 2020, **Section 3.1 Output Power Measurement.**

A.2 Bandwidth

Note: The Bandwidth please refer to the Report No.FR042002-06C, which issued by SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory on Sep. 17, 2020, **Section 3.1 6dB and 99% Bandwidth Measurement.**

A.3 Conducted Spurious Emissions

Note: The Conducted Spurious Emissions please refer to the Report No.FR042002-06C, which issued by SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory on Sep. 17, 2020, **Section 3.4 Conducted Band Edges and Spurious Emission Measurement.**

A.4 Band Edge (Authorized-band band-edge)

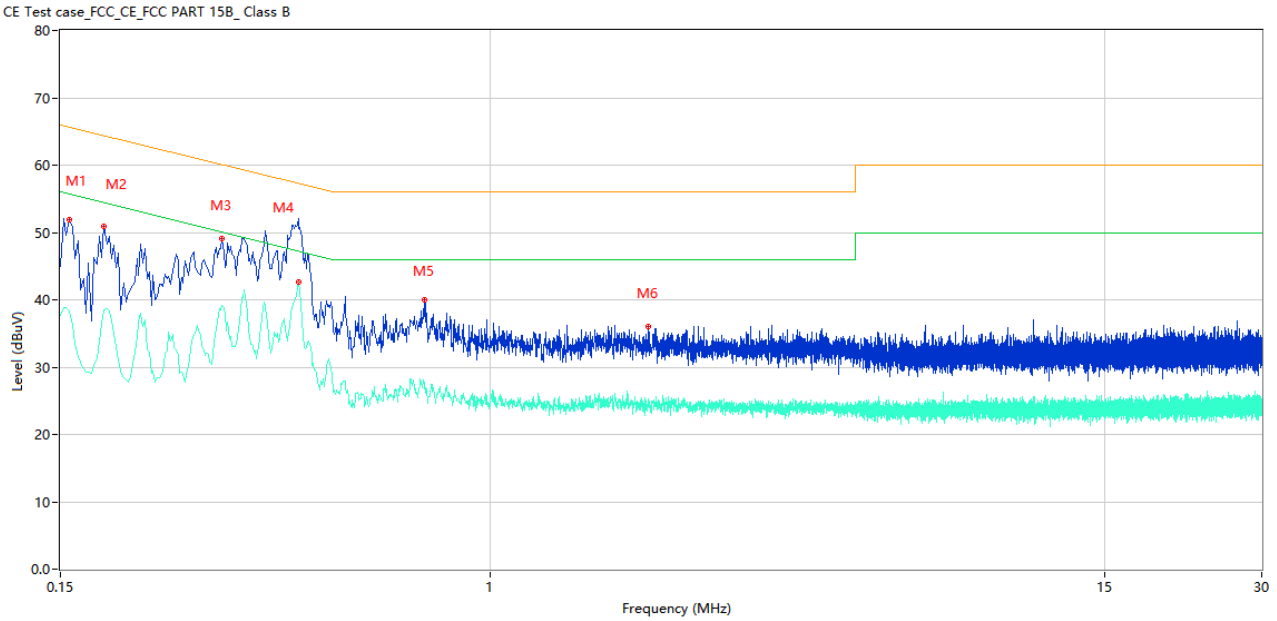
Note: The Band Edge (Authorized-band band-edge) please refer to the Report No.FR042002-06C, which issued by SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory on Sep. 17, 2020, **Section 3.4 Conducted Band Edges and Spurious Emission Measurement.**

A.5 Conducted Emissions

Note [1]: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.
Note [2]: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

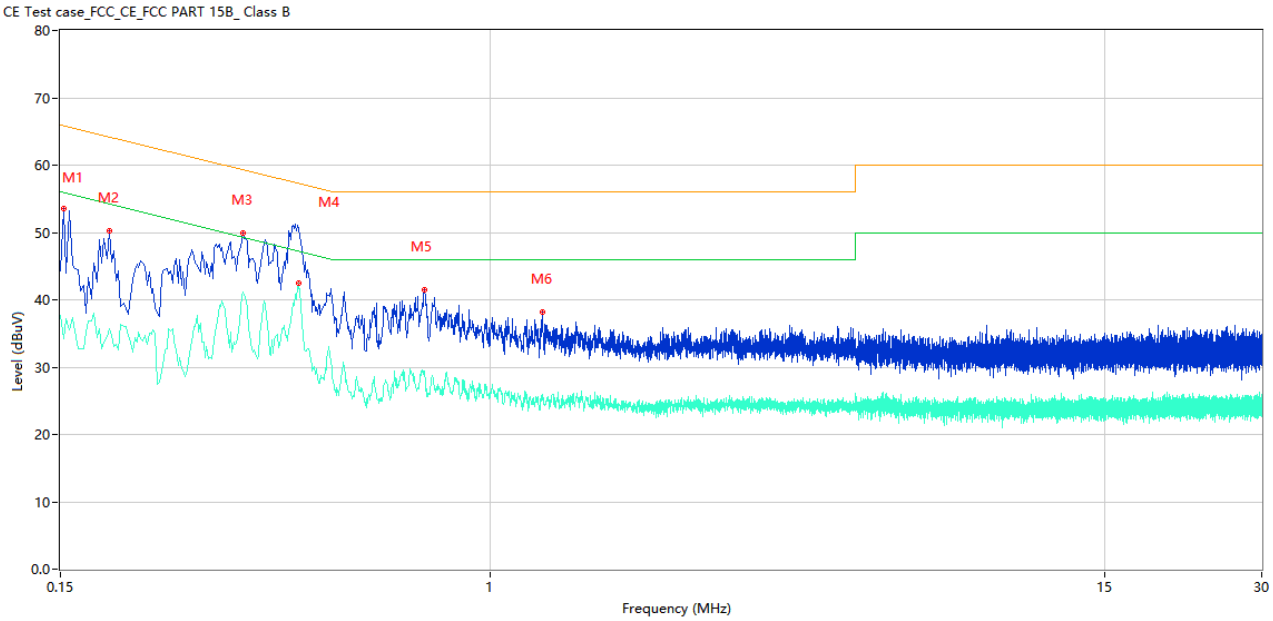
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.156	51.84	10.41	65.67	-13.83	Peak	L	Pass
1**	0.156	38.27	10.41	55.67	-17.40	AV	L	Pass
2	0.182	50.92	10.39	64.39	-13.47	Peak	L	Pass
2**	0.182	38.44	10.39	54.39	-15.95	AV	L	Pass
3	0.306	49.04	10.33	60.08	-11.04	Peak	L	Pass
3**	0.306	39.23	10.33	50.08	-10.85	AV	L	Pass
4	0.428	52.02	10.31	57.29	-5.27	Peak	L	Pass
4**	0.428	42.72	10.31	47.29	-4.57	AV	L	Pass
5	0.746	40.01	10.26	56.00	-15.99	Peak	L	Pass
5**	0.746	27.54	10.26	46.00	-18.46	AV	L	Pass
6	2.000	36.04	10.26	56.00	-19.96	Peak	L	Pass
6**	2.000	24.42	10.26	46.00	-21.58	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.152	53.49	10.41	65.89	-12.40	Peak	N	Pass
1**	0.152	34.24	10.41	55.89	-21.65	AV	N	Pass
2	0.186	50.17	10.39	64.21	-14.04	Peak	N	Pass
2**	0.186	35.72	10.39	54.21	-18.49	AV	N	Pass
3	0.336	49.92	10.32	59.30	-9.38	Peak	N	Pass
3**	0.336	41.20	10.32	49.30	-8.10	AV	N	Pass
4	0.430	50.80	10.31	57.25	-6.45	Peak	N	Pass
4**	0.430	42.46	10.31	47.25	-4.79	AV	N	Pass
5	0.748	41.57	10.26	56.00	-14.43	Peak	N	Pass
5**	0.748	28.58	10.26	46.00	-17.42	AV	N	Pass
6	1.258	38.10	10.25	56.00	-17.90	Peak	N	Pass
6**	1.258	25.12	10.25	46.00	-20.88	AV	N	Pass

A.6 Radiated Emission

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

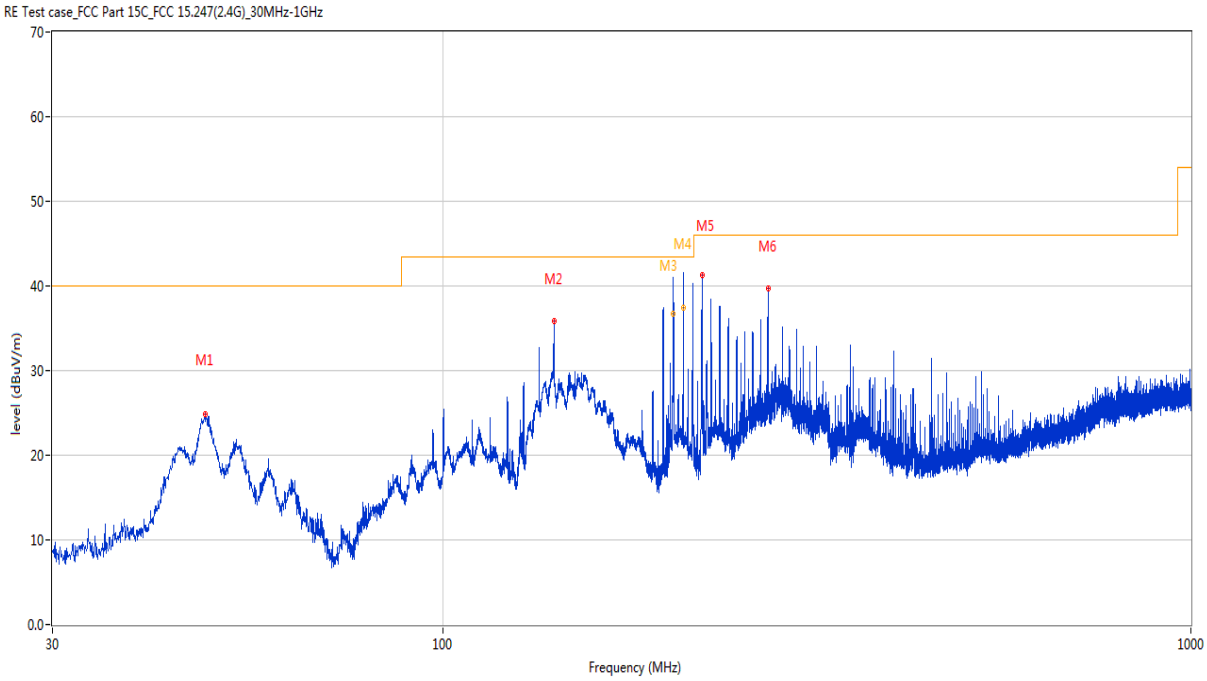
Note [2]: For the test data above 1 GHz，According the ANSI C63.10-2013, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

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

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

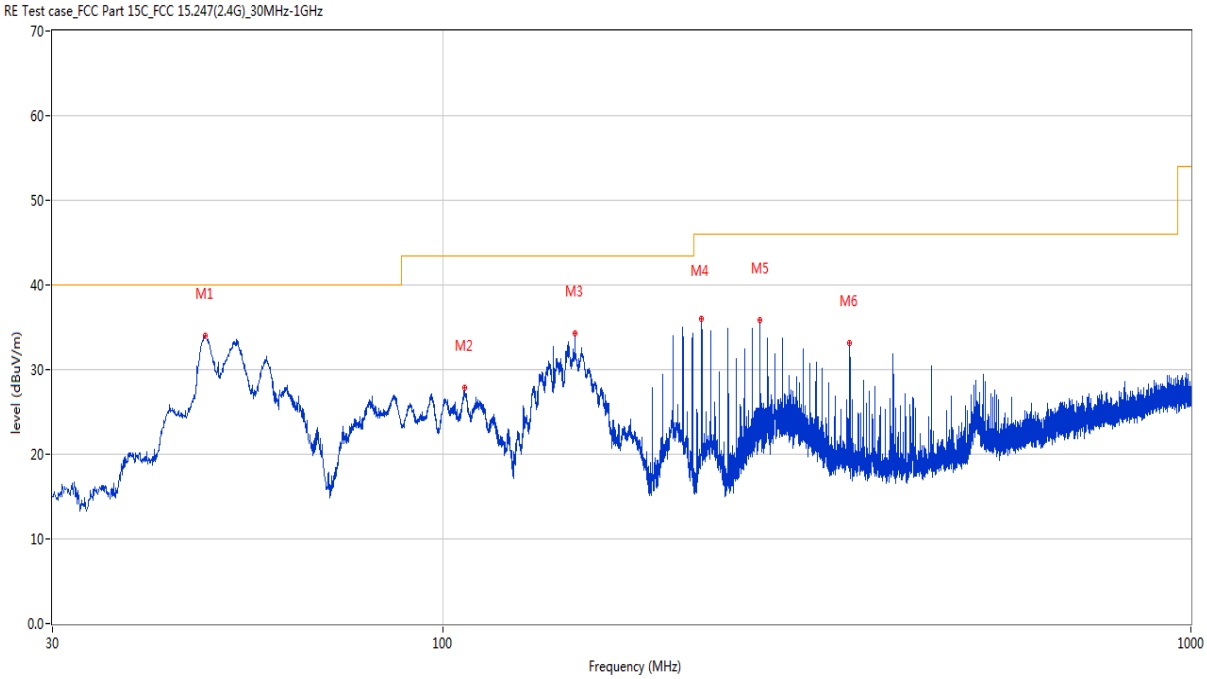
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.042	24.79	-22.63	40.0	-15.21	Peak	0.00	200	Horizontal	Pass
2	140.531	35.83	-27.54	43.5	-7.67	Peak	186.50	200	Horizontal	Pass
3	202.956	44.43	-23.75	43.5	0.93	Peak	131.80	138	Horizontal	N/A
3*	202.956	36.73	-23.75	43.5	-6.77	QP	131.80	138	Horizontal	Pass
4	209.205	45.07	-24.04	43.5	1.57	Peak	126.60	153	Horizontal	N/A
4*	209.205	37.49	-24.04	43.5	-6.01	QP	126.60	153	Horizontal	Pass
5	221.769	41.31	-23.91	46.0	-4.69	Peak	262.40	100	Horizontal	Pass
6	271.821	39.77	-22.11	46.0	-6.23	Peak	291.50	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	47.993	34.05	-22.64	40.0	-5.95	Peak	240.50	100	Vertical	Pass
2	106.630	27.79	-24.12	43.5	-15.71	Peak	180.70	100	Vertical	Pass
3	149.892	34.24	-28.19	43.5	-9.26	Peak	61.00	100	Vertical	Pass
4	221.624	36.00	-23.90	46.0	-10.00	Peak	243.60	200	Vertical	Pass
5	265.371	35.91	-22.17	46.0	-10.09	Peak	341.60	200	Vertical	Pass
6	349.809	33.21	-20.09	46.0	-12.79	Peak	360.00	200	Vertical	Pass

Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

Note 2: The spurious above 18G is noise only, do not show on the report.

Main Antenna

1 GHz to 18 GHz, ANT H 802.11b Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1057.000	36.70	-18.53	74.0	-37.30	Peak	130.00	150	Horizontal	Pass
1**	1057.000	31.80	-18.53	54.0	-22.20	AV	130.00	150	Horizontal	Pass
2	2414.900	96.90	-12.26	74.0	22.90	Peak	216.00	150	Horizontal	N/A
2**	2414.900	93.40	-12.26	54.0	39.40	AV	216.00	150	Horizontal	N/A
3	4824.000	49.07	-3.38	74.0	-24.93	Peak	0.00	150	Horizontal	Pass
3**	4824.000	44.22	-3.38	54.0	-9.78	AV	0.00	150	Horizontal	Pass
4	6694.200	52.94	-0.36	74.0	-21.06	Peak	317.00	150	Horizontal	Pass
4**	6694.200	43.32	-0.36	54.0	-10.68	AV	317.00	150	Horizontal	Pass
5	10935.875	49.82	-0.02	74.0	-24.18	Peak	64.00	150	Horizontal	Pass
5**	10935.875	40.29	-0.02	54.0	-13.71	AV	64.00	150	Horizontal	Pass
6	17415.150	54.39	3.64	74.0	-19.61	Peak	99.00	150	Horizontal	Pass
6**	17415.150	46.45	3.64	54.0	-7.55	AV	99.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1057.400	39.36	-18.50	74.0	-34.64	Peak	38.00	150	Vertical	Pass
1**	1057.400	36.00	-18.50	54.0	-18.00	AV	38.00	150	Vertical	Pass
2	2414.800	97.25	-12.26	74.0	23.25	Peak	117.00	150	Vertical	N/A
2**	2414.800	93.63	-12.26	54.0	39.63	AV	117.00	150	Vertical	N/A
3	4824.200	49.02	-3.39	74.0	-24.98	Peak	71.00	150	Vertical	Pass
3**	4824.200	45.17	-3.39	54.0	-8.83	AV	71.00	150	Vertical	Pass
4	6683.200	53.03	-0.40	74.0	-20.97	Peak	360.00	150	Vertical	Pass
4**	6683.200	44.09	-0.40	54.0	-9.91	AV	360.00	150	Vertical	Pass
5	9189.313	48.91	-1.31	74.0	-25.09	Peak	339.00	150	Vertical	Pass
5**	9189.313	39.11	-1.31	54.0	-14.89	AV	339.00	150	Vertical	Pass
6	16265.662	54.32	1.18	74.0	-19.68	Peak	360.00	150	Vertical	Pass
6**	16265.662	45.93	1.18	54.0	-8.07	AV	360.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1057.200	36.21	-18.51	74.0	-37.79	Peak	127.00	150	Horizontal	Pass
1**	1057.200	31.75	-18.51	54.0	-22.25	AV	127.00	150	Horizontal	Pass
2	2419.800	97.46	-12.34	74.0	23.46	Peak	357.00	150	Horizontal	N/A
2**	2419.800	94.06	-12.34	54.0	40.06	AV	357.00	150	Horizontal	N/A
3	4834.000	49.50	-3.49	74.0	-24.50	Peak	147.00	150	Horizontal	Pass
3**	4834.000	43.72	-3.49	54.0	-10.28	AV	147.00	150	Horizontal	Pass
4	6676.800	52.24	-0.59	74.0	-21.76	Peak	15.00	150	Horizontal	Pass
4**	6676.800	44.06	-0.59	54.0	-9.94	AV	15.00	150	Horizontal	Pass
5	11066.112	49.31	-0.98	74.0	-24.69	Peak	360.00	150	Horizontal	Pass
5**	11066.112	40.97	-0.98	54.0	-13.03	AV	360.00	150	Horizontal	Pass
6	17380.762	54.82	2.67	74.0	-19.18	Peak	-3.00	150	Horizontal	Pass
6**	17380.762	44.59	2.67	54.0	-9.41	AV	-3.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.500	39.40	-17.27	74.0	-34.60	Peak	344.00	150	Vertical	Pass
1**	1691.500	34.01	-17.27	54.0	-19.99	AV	344.00	150	Vertical	Pass
2	2419.800	97.89	-12.34	74.0	23.89	Peak	100.00	150	Vertical	N/A
2**	2419.800	94.36	-12.34	54.0	40.36	AV	100.00	150	Vertical	N/A
3	4772.400	49.69	-3.00	74.0	-24.31	Peak	53.00	150	Vertical	Pass
3**	4772.400	40.00	-3.00	54.0	-14.00	AV	53.00	150	Vertical	Pass
4	6490.800	51.91	-1.85	74.0	-22.09	Peak	31.00	150	Vertical	Pass
4**	6490.800	41.85	-1.85	54.0	-12.15	AV	31.00	150	Vertical	Pass
5	11498.512	49.89	0.05	74.0	-24.11	Peak	22.00	150	Vertical	Pass
5**	11498.512	41.20	0.05	54.0	-12.80	AV	22.00	150	Vertical	Pass
6	17418.301	54.82	3.72	74.0	-19.18	Peak	-3.00	150	Vertical	Pass
6**	17418.301	46.72	3.72	54.0	-7.28	AV	-3.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1366.000	37.55	-17.43	74.0	-36.45	Peak	159.00	150	Horizontal	Pass
1**	1366.000	28.34	-17.43	54.0	-25.66	AV	159.00	150	Horizontal	Pass
2	2439.800	96.33	-12.66	74.0	22.33	Peak	313.00	150	Horizontal	N/A
2**	2439.800	92.76	-12.66	54.0	38.76	AV	313.00	150	Horizontal	N/A
3	4891.800	49.38	-3.27	74.0	-24.62	Peak	144.00	150	Horizontal	Pass
3**	4891.800	41.64	-3.27	54.0	-12.36	AV	144.00	150	Horizontal	Pass
4	6685.600	52.77	-0.19	74.0	-21.23	Peak	318.00	150	Horizontal	Pass
4**	6685.600	44.13	-0.19	54.0	-9.87	AV	318.00	150	Horizontal	Pass
5	10941.050	49.15	-0.08	74.0	-24.85	Peak	276.00	150	Horizontal	Pass
5**	10941.050	40.12	-0.08	54.0	-13.88	AV	276.00	150	Horizontal	Pass
6	17435.363	55.12	3.25	74.0	-18.88	Peak	-3.00	150	Horizontal	Pass
6**	17435.363	45.70	3.25	54.0	-8.30	AV	-3.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.000	38.98	-17.27	74.0	-35.02	Peak	354.00	150	Vertical	Pass
1**	1691.000	34.04	-17.27	54.0	-19.96	AV	354.00	150	Vertical	Pass
2	2439.800	96.70	-12.66	74.0	22.70	Peak	0.00	150	Vertical	N/A
2**	2439.800	93.08	-12.66	54.0	39.08	AV	0.00	150	Vertical	N/A
3	4874.000	49.20	-3.34	74.0	-24.80	Peak	122.00	150	Vertical	Pass
3**	4874.000	43.35	-3.34	54.0	-10.65	AV	122.00	150	Vertical	Pass
4	6907.000	53.04	-1.37	74.0	-20.96	Peak	340.00	150	Vertical	Pass
4**	6907.000	42.29	-1.37	54.0	-11.71	AV	340.00	150	Vertical	Pass
5	11497.650	49.98	0.05	74.0	-24.02	Peak	324.00	150	Vertical	Pass
5**	11497.650	40.81	0.05	54.0	-13.19	AV	324.00	150	Vertical	Pass
6	16796.175	54.84	0.98	74.0	-19.16	Peak	291.00	150	Vertical	Pass
6**	16796.175	44.41	0.98	54.0	-9.59	AV	291.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1440.400	36.89	-17.46	74.0	-37.11	Peak	278.00	150	Horizontal	Pass
1**	1440.400	27.64	-17.46	54.0	-26.36	AV	278.00	150	Horizontal	Pass
2	2459.800	96.37	-12.75	74.0	22.37	Peak	25.00	150	Horizontal	N/A
2**	2459.800	92.93	-12.75	54.0	38.93	AV	25.00	150	Horizontal	N/A
3	4914.200	50.94	-2.29	74.0	-23.06	Peak	0.00	150	Horizontal	Pass
3**	4914.200	47.09	-2.29	54.0	-6.91	AV	0.00	150	Horizontal	Pass
4	6699.400	52.52	-0.77	74.0	-21.48	Peak	81.00	150	Horizontal	Pass
4**	6699.400	43.25	-0.77	54.0	-10.75	AV	81.00	150	Horizontal	Pass
5	10939.037	49.62	-0.05	74.0	-24.38	Peak	138.00	150	Horizontal	Pass
5**	10939.037	40.09	-0.05	54.0	-13.91	AV	138.00	150	Horizontal	Pass
6	17420.663	54.11	3.74	74.0	-19.89	Peak	135.00	150	Horizontal	Pass
6**	17420.663	45.86	3.74	54.0	-8.14	AV	135.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.300	39.63	-17.27	74.0	-34.37	Peak	344.00	150	Vertical	Pass
1**	1691.300	35.47	-17.27	54.0	-18.53	AV	344.00	150	Vertical	Pass
2	2459.800	96.78	-12.75	74.0	22.78	Peak	50.00	150	Vertical	N/A
2**	2459.800	93.47	-12.75	54.0	39.47	AV	50.00	150	Vertical	N/A
3	4914.000	48.87	-2.28	74.0	-25.13	Peak	51.00	150	Vertical	Pass
3**	4914.000	44.66	-2.28	54.0	-9.34	AV	51.00	150	Vertical	Pass
4	6768.000	52.62	-1.22	74.0	-21.38	Peak	152.00	150	Vertical	Pass
4**	6768.000	43.50	-1.22	54.0	-10.50	AV	152.00	150	Vertical	Pass
5	11061.512	49.72	-0.91	74.0	-24.28	Peak	4.00	150	Vertical	Pass
5**	11061.512	40.96	-0.91	54.0	-13.04	AV	4.00	150	Vertical	Pass
6	16399.800	54.73	1.42	74.0	-19.27	Peak	0.00	150	Vertical	Pass
6**	16399.800	44.46	1.42	54.0	-9.54	AV	0.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1056.900	37.42	-18.53	74.0	-36.58	Peak	53.00	150	Horizontal	Pass
1**	1056.900	31.56	-18.53	54.0	-22.44	AV	53.00	150	Horizontal	Pass
2	2464.800	95.88	-12.74	74.0	21.88	Peak	201.00	150	Horizontal	N/A
2**	2464.800	92.19	-12.74	54.0	38.19	AV	201.00	150	Horizontal	N/A
3	4924.200	49.57	-2.60	74.0	-24.43	Peak	336.00	150	Horizontal	Pass
3**	4924.200	44.54	-2.60	54.0	-9.46	AV	336.00	150	Horizontal	Pass
4	6690.400	52.24	-0.28	74.0	-21.76	Peak	0.00	150	Horizontal	Pass
4**	6690.400	43.74	-0.28	54.0	-10.26	AV	0.00	150	Horizontal	Pass
5	10896.775	49.63	0.12	74.0	-24.37	Peak	139.00	150	Horizontal	Pass
5**	10896.775	40.84	0.12	54.0	-13.16	AV	139.00	150	Horizontal	Pass
6	17422.762	54.84	3.68	74.0	-19.16	Peak	116.00	150	Horizontal	Pass
6**	17422.762	46.79	3.68	54.0	-7.21	AV	116.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.700	39.78	-17.26	74.0	-34.22	Peak	355.00	150	Vertical	Pass
1**	1691.700	35.48	-17.26	54.0	-18.52	AV	355.00	150	Vertical	Pass
2	2464.800	96.58	-12.74	74.0	22.58	Peak	28.00	150	Vertical	N/A
2**	2464.800	92.86	-12.74	54.0	38.86	AV	28.00	150	Vertical	N/A
3	4595.800	48.80	-3.71	74.0	-25.20	Peak	357.00	150	Vertical	Pass
3**	4595.800	39.87	-3.71	54.0	-14.13	AV	357.00	150	Vertical	Pass
4	6739.400	52.54	-0.21	74.0	-21.46	Peak	304.00	150	Vertical	Pass
4**	6739.400	42.99	-0.21	54.0	-11.01	AV	304.00	150	Vertical	Pass
5	11649.162	49.98	-0.17	74.0	-24.02	Peak	114.00	150	Vertical	Pass
5**	11649.162	41.60	-0.17	54.0	-12.40	AV	114.00	150	Vertical	Pass
6	17429.324	54.35	3.48	74.0	-19.65	Peak	273.00	150	Vertical	Pass
6**	17429.324	46.49	3.48	54.0	-7.51	AV	273.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1280.500	37.03	-17.53	74.0	-36.97	Peak	350.00	150	Horizontal	Pass
1**	1280.500	26.85	-17.53	54.0	-27.15	AV	350.00	150	Horizontal	Pass
2	2464.100	95.64	-12.77	74.0	21.64	Peak	360.00	150	Horizontal	N/A
2**	2464.100	94.03	-12.77	54.0	40.03	AV	360.00	150	Horizontal	N/A
3	4934.200	49.11	-2.88	74.0	-24.89	Peak	358.00	150	Horizontal	Pass
3**	4934.200	46.33	-2.88	54.0	-7.67	AV	358.00	150	Horizontal	Pass
4	6657.200	52.56	-1.12	74.0	-21.44	Peak	115.00	150	Horizontal	Pass
4**	6657.200	43.62	-1.12	54.0	-10.38	AV	115.00	150	Horizontal	Pass
5	11675.325	49.82	0.26	74.0	-24.18	Peak	303.00	150	Horizontal	Pass
5**	11675.325	40.25	0.26	54.0	-13.75	AV	303.00	150	Horizontal	Pass
6	17420.925	54.59	3.73	74.0	-19.41	Peak	272.00	150	Horizontal	Pass
6**	17420.925	46.13	3.73	54.0	-7.87	AV	272.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1057.200	37.69	-18.51	74.0	-36.31	Peak	27.00	150	Vertical	Pass
1**	1057.200	34.18	-18.51	54.0	-19.82	AV	27.00	150	Vertical	Pass
2	2469.800	96.28	-12.56	74.0	22.28	Peak	55.00	150	Vertical	N/A
2**	2469.800	92.57	-12.56	54.0	38.57	AV	55.00	150	Vertical	N/A
3	4911.600	49.18	-2.39	74.0	-24.82	Peak	74.00	150	Vertical	Pass
3**	4911.600	40.91	-2.39	54.0	-13.09	AV	74.00	150	Vertical	Pass
4	6691.000	53.06	-0.29	74.0	-20.94	Peak	357.00	150	Vertical	Pass
4**	6691.000	43.20	-0.29	54.0	-10.80	AV	357.00	150	Vertical	Pass
5	11653.188	50.29	-0.07	74.0	-23.71	Peak	317.00	150	Vertical	Pass
5**	11653.188	40.29	-0.07	54.0	-13.71	AV	317.00	150	Vertical	Pass
6	17419.614	54.77	3.75	74.0	-19.23	Peak	358.00	150	Vertical	Pass
6**	17419.614	46.04	3.75	54.0	-7.96	AV	358.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.500	38.10	-17.27	74.0	-35.90	Peak	360.00	150	Horizontal	Pass
1**	1691.500	31.38	-17.27	54.0	-22.62	AV	360.00	150	Horizontal	Pass
2	2469.200	94.90	-12.57	74.0	20.90	Peak	177.00	150	Horizontal	N/A
2**	2469.200	92.57	-12.57	54.0	38.57	AV	177.00	150	Horizontal	N/A
3	4944.000	49.43	-3.22	74.0	-24.57	Peak	145.00	150	Horizontal	Pass
3**	4944.000	43.51	-3.22	54.0	-10.49	AV	145.00	150	Horizontal	Pass
4	6614.000	52.89	0.18	74.0	-21.11	Peak	198.00	150	Horizontal	Pass
4**	6614.000	43.24	0.18	54.0	-10.76	AV	198.00	150	Horizontal	Pass
5	11031.326	50.18	-0.61	74.0	-23.82	Peak	58.00	150	Horizontal	Pass
5**	11031.326	40.34	-0.61	54.0	-13.66	AV	58.00	150	Horizontal	Pass
6	17414.363	54.43	3.61	74.0	-19.57	Peak	-3.00	150	Horizontal	Pass
6**	17414.363	45.89	3.61	54.0	-8.11	AV	-3.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1056.900	38.52	-18.53	74.0	-35.48	Peak	159.00	150	Vertical	Pass
1**	1056.900	33.44	-18.53	54.0	-20.56	AV	159.00	150	Vertical	Pass
2	2474.800	96.44	-12.44	74.0	22.44	Peak	77.00	150	Vertical	N/A
2**	2474.800	92.82	-12.44	54.0	38.82	AV	77.00	150	Vertical	N/A
3	4574.400	48.46	-3.89	74.0	-25.54	Peak	172.00	150	Vertical	Pass
3**	4574.400	39.36	-3.89	54.0	-14.64	AV	172.00	150	Vertical	Pass
4	6687.200	52.63	-0.23	74.0	-21.37	Peak	198.00	150	Vertical	Pass
4**	6687.200	43.56	-0.23	54.0	-10.44	AV	198.00	150	Vertical	Pass
5	11054.900	49.16	-0.74	74.0	-24.84	Peak	60.00	150	Vertical	Pass
5**	11054.900	41.00	-0.74	54.0	-13.00	AV	60.00	150	Vertical	Pass
6	17618.323	54.66	2.11	74.0	-19.34	Peak	227.00	150	Vertical	Pass
6**	17618.323	45.06	2.11	54.0	-8.94	AV	227.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1707.900	38.78	-17.21	74.0	-35.22	Peak	108.00	150	Horizontal	Pass
1**	1707.900	29.10	-17.21	54.0	-24.90	AV	108.00	150	Horizontal	Pass
2	2407.300	99.50	-12.30	74.0	25.50	Peak	351.00	150	Horizontal	N/A
2**	2407.300	92.52	-12.30	54.0	38.52	AV	351.00	150	Horizontal	N/A
3	4593.800	48.49	-3.72	74.0	-25.51	Peak	237.00	150	Horizontal	Pass
3**	4593.800	39.27	-3.72	54.0	-14.73	AV	237.00	150	Horizontal	Pass
4	6608.200	52.13	0.14	74.0	-21.87	Peak	267.00	150	Horizontal	Pass
4**	6608.200	42.94	0.14	54.0	-11.06	AV	267.00	150	Horizontal	Pass
5	11047.137	49.70	-0.61	74.0	-24.30	Peak	250.00	150	Horizontal	Pass
5**	11047.137	40.08	-0.61	54.0	-13.92	AV	250.00	150	Horizontal	Pass
6	17706.525	54.54	2.01	74.0	-19.46	Peak	-3.00	150	Horizontal	Pass
6**	17706.525	44.78	2.01	54.0	-9.22	AV	-3.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.500	40.75	-17.27	74.0	-33.25	Peak	350.00	150	Vertical	Pass
1**	1691.500	38.08	-17.27	54.0	-15.92	AV	350.00	150	Vertical	Pass
2	2419.600	100.46	-12.33	74.0	26.46	Peak	360.00	150	Vertical	N/A
2**	2419.600	94.70	-12.33	54.0	40.70	AV	360.00	150	Vertical	N/A
3	4480.600	48.17	-4.09	74.0	-25.83	Peak	358.00	150	Vertical	Pass
3**	4480.600	39.15	-4.09	54.0	-14.85	AV	358.00	150	Vertical	Pass
4	6735.400	52.43	-0.37	74.0	-21.57	Peak	358.00	150	Vertical	Pass
4**	6735.400	44.29	-0.37	54.0	-9.71	AV	358.00	150	Vertical	Pass
5	11318.825	49.49	0.53	74.0	-24.51	Peak	183.00	150	Vertical	Pass
5**	11318.825	40.35	0.53	54.0	-13.65	AV	183.00	150	Vertical	Pass
6	17418.824	54.15	3.73	74.0	-19.85	Peak	131.00	150	Vertical	Pass
6**	17418.824	46.77	3.73	54.0	-7.23	AV	131.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.800	37.59	-17.26	74.0	-36.41	Peak	360.00	150	Horizontal	Pass
1**	1691.800	29.57	-17.26	54.0	-24.43	AV	360.00	150	Horizontal	Pass
2	2409.800	99.34	-12.24	74.0	25.34	Peak	4.00	150	Horizontal	N/A
2**	2409.800	92.87	-12.24	54.0	38.87	AV	4.00	150	Horizontal	N/A
3	4895.400	50.27	-3.03	74.0	-23.73	Peak	328.00	150	Horizontal	Pass
3**	4895.400	39.95	-3.03	54.0	-14.05	AV	328.00	150	Horizontal	Pass
4	6683.200	52.59	-0.40	74.0	-21.41	Peak	0.00	150	Horizontal	Pass
4**	6683.200	43.40	-0.40	54.0	-10.60	AV	0.00	150	Horizontal	Pass
5	10935.875	49.54	-0.02	74.0	-24.46	Peak	210.00	150	Horizontal	Pass
5**	10935.875	40.10	-0.02	54.0	-13.90	AV	210.00	150	Horizontal	Pass
6	17470.011	54.64	2.91	74.0	-19.36	Peak	356.00	150	Horizontal	Pass
6**	17470.011	47.19	2.91	54.0	-6.81	AV	356.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.500	41.18	-17.27	74.0	-32.82	Peak	341.00	150	Vertical	Pass
1**	1691.500	36.03	-17.27	54.0	-17.97	AV	341.00	150	Vertical	Pass
2	2422.800	100.04	-12.64	74.0	26.04	Peak	51.00	150	Vertical	N/A
2**	2422.800	93.95	-12.64	54.0	39.95	AV	51.00	150	Vertical	N/A
3	4160.800	47.02	-4.92	74.0	-26.98	Peak	219.00	150	Vertical	Pass
3**	4160.800	37.58	-4.92	54.0	-16.42	AV	219.00	150	Vertical	Pass
4	6680.400	52.48	-0.53	74.0	-21.52	Peak	46.00	150	Vertical	Pass
4**	6680.400	44.50	-0.53	54.0	-9.50	AV	46.00	150	Vertical	Pass
5	10941.625	49.49	-0.08	74.0	-24.51	Peak	60.00	150	Vertical	Pass
5**	10941.625	40.23	-0.08	54.0	-13.77	AV	60.00	150	Vertical	Pass
6	17174.438	55.01	2.49	74.0	-18.99	Peak	357.00	150	Vertical	Pass
6**	17174.438	44.97	2.49	54.0	-9.03	AV	357.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1529.000	36.80	-17.50	74.0	-37.20	Peak	262.00	150	Horizontal	Pass
1**	1529.000	27.63	-17.50	54.0	-26.37	AV	262.00	150	Horizontal	Pass
2	2432.100	99.82	-12.83	74.0	25.82	Peak	157.00	150	Horizontal	N/A
2**	2432.100	93.54	-12.83	54.0	39.54	AV	157.00	150	Horizontal	N/A
3	4326.400	47.37	-4.42	74.0	-26.63	Peak	163.00	150	Horizontal	Pass
3**	4326.400	37.94	-4.42	54.0	-16.06	AV	163.00	150	Horizontal	Pass
4	6685.600	52.66	-0.19	74.0	-21.34	Peak	274.00	150	Horizontal	Pass
4**	6685.600	43.67	-0.19	54.0	-10.33	AV	274.00	150	Horizontal	Pass
5	11656.637	49.99	0.02	74.0	-24.01	Peak	346.00	150	Horizontal	Pass
5**	11656.637	40.57	0.02	54.0	-13.43	AV	346.00	150	Horizontal	Pass
6	17416.200	54.54	3.67	74.0	-19.46	Peak	-3.00	150	Horizontal	Pass
6**	17416.200	45.85	3.67	54.0	-8.15	AV	-3.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.800	39.16	-17.26	74.0	-34.84	Peak	332.00	150	Vertical	Pass
1**	1691.800	34.48	-17.26	54.0	-19.52	AV	332.00	150	Vertical	Pass
2	2431.400	100.02	-12.79	74.0	26.02	Peak	113.00	150	Vertical	N/A
2**	2431.400	93.32	-12.79	54.0	39.32	AV	113.00	150	Vertical	N/A
3	4416.800	47.29	-4.75	74.0	-26.71	Peak	216.00	150	Vertical	Pass
3**	4416.800	38.10	-4.75	54.0	-15.90	AV	216.00	150	Vertical	Pass
4	6749.400	52.28	-0.63	74.0	-21.72	Peak	0.00	150	Vertical	Pass
4**	6749.400	43.45	-0.63	54.0	-10.55	AV	0.00	150	Vertical	Pass
5	10895.050	49.45	0.10	74.0	-24.55	Peak	256.00	150	Vertical	Pass
5**	10895.050	40.10	0.10	54.0	-13.90	AV	256.00	150	Vertical	Pass
6	17421.187	55.01	3.72	74.0	-18.99	Peak	356.00	150	Vertical	Pass
6**	17421.187	45.31	3.72	54.0	-8.69	AV	356.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1690.500	37.29	-17.28	74.0	-36.71	Peak	247.00	150	Horizontal	Pass
1**	1690.500	28.97	-17.28	54.0	-25.03	AV	247.00	150	Horizontal	Pass
2	2458.700	98.93	-12.75	74.0	24.93	Peak	360.00	150	Horizontal	N/A
2**	2458.700	93.32	-12.75	54.0	39.32	AV	360.00	150	Horizontal	N/A
3	4300.000	47.45	-4.94	74.0	-26.55	Peak	1.00	150	Horizontal	Pass
3**	4300.000	37.92	-4.94	54.0	-16.08	AV	1.00	150	Horizontal	Pass
4	6687.400	52.73	-0.23	74.0	-21.27	Peak	1.00	150	Horizontal	Pass
4**	6687.400	44.23	-0.23	54.0	-9.77	AV	1.00	150	Horizontal	Pass
5	11766.175	50.72	1.30	74.0	-23.28	Peak	126.00	150	Horizontal	Pass
5**	11766.175	41.01	1.30	54.0	-12.99	AV	126.00	150	Horizontal	Pass
6	17437.989	54.84	3.12	74.0	-19.16	Peak	118.00	150	Horizontal	Pass
6**	17437.989	46.28	3.12	54.0	-7.72	AV	118.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.300	40.02	-17.27	74.0	-33.98	Peak	360.00	150	Vertical	Pass
1**	1691.300	36.39	-17.27	54.0	-17.61	AV	360.00	150	Vertical	Pass
2	2452.200	99.63	-12.67	74.0	25.63	Peak	89.00	150	Vertical	N/A
2**	2452.200	92.64	-12.67	54.0	38.64	AV	89.00	150	Vertical	N/A
3	4472.400	48.12	-3.68	74.0	-25.88	Peak	64.00	150	Vertical	Pass
3**	4472.400	39.60	-3.68	54.0	-14.40	AV	64.00	150	Vertical	Pass
4	6683.000	52.33	-0.41	74.0	-21.67	Peak	178.00	150	Vertical	Pass
4**	6683.000	43.42	-0.41	54.0	-10.58	AV	178.00	150	Vertical	Pass
5	11763.013	50.20	1.27	74.0	-23.80	Peak	360.00	150	Vertical	Pass
5**	11763.013	41.42	1.27	54.0	-12.58	AV	360.00	150	Vertical	Pass
6	17419.874	54.42	3.75	74.0	-19.58	Peak	18.00	150	Vertical	Pass
6**	17419.874	46.74	3.75	54.0	-7.26	AV	18.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1692.700	37.18	-17.24	74.0	-36.82	Peak	53.00	150	Horizontal	Pass
1**	1692.700	28.85	-17.24	54.0	-25.15	AV	53.00	150	Horizontal	Pass
2	2457.300	98.53	-12.75	74.0	24.53	Peak	360.00	150	Horizontal	N/A
2**	2457.300	91.11	-12.75	54.0	37.11	AV	360.00	150	Horizontal	N/A
3	4155.400	47.23	-5.01	74.0	-26.77	Peak	180.00	150	Horizontal	Pass
3**	4155.400	38.37	-5.01	54.0	-15.63	AV	180.00	150	Horizontal	Pass
4	6783.600	53.01	-0.77	74.0	-20.99	Peak	307.00	150	Horizontal	Pass
4**	6783.600	43.24	-0.77	54.0	-10.76	AV	307.00	150	Horizontal	Pass
5	11827.987	49.85	1.17	74.0	-24.15	Peak	360.00	150	Horizontal	Pass
5**	11827.987	40.59	1.17	54.0	-13.41	AV	360.00	150	Horizontal	Pass
6	17464.500	56.14	2.88	74.0	-17.86	Peak	0.00	150	Horizontal	Pass
6**	17464.500	45.65	2.88	54.0	-8.35	AV	0.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.300	40.22	-17.27	74.0	-33.78	Peak	340.00	150	Vertical	Pass
1**	1691.300	35.32	-17.27	54.0	-18.68	AV	340.00	150	Vertical	Pass
2	2457.300	99.30	-12.75	74.0	25.30	Peak	31.00	150	Vertical	N/A
2**	2457.300	91.78	-12.75	54.0	37.78	AV	31.00	150	Vertical	N/A
3	4033.600	46.66	-5.08	74.0	-27.34	Peak	60.00	150	Vertical	Pass
3**	4033.600	37.53	-5.08	54.0	-16.47	AV	60.00	150	Vertical	Pass
4	6686.800	52.80	-0.22	74.0	-21.20	Peak	327.00	150	Vertical	Pass
4**	6686.800	44.35	-0.22	54.0	-9.65	AV	327.00	150	Vertical	Pass
5	11667.276	50.43	0.20	74.0	-23.57	Peak	32.00	150	Vertical	Pass
5**	11667.276	41.83	0.20	54.0	-12.17	AV	32.00	150	Vertical	Pass
6	17477.100	54.27	2.79	74.0	-19.73	Peak	121.00	150	Vertical	Pass
6**	17477.100	45.44	2.79	54.0	-8.56	AV	121.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1488.900	36.75	-17.54	74.0	-37.25	Peak	34.00	150	Horizontal	Pass
1**	1488.900	27.53	-17.54	54.0	-26.47	AV	34.00	150	Horizontal	Pass
2	2465.000	98.34	-12.74	74.0	24.34	Peak	208.00	150	Horizontal	N/A
2**	2465.000	91.60	-12.74	54.0	37.60	AV	208.00	150	Horizontal	N/A
3	4038.800	46.63	-4.78	74.0	-27.37	Peak	0.00	150	Horizontal	Pass
3**	4038.800	37.19	-4.78	54.0	-16.81	AV	0.00	150	Horizontal	Pass
4	6733.000	52.15	-0.47	74.0	-21.85	Peak	64.00	150	Horizontal	Pass
4**	6733.000	42.96	-0.47	54.0	-11.04	AV	64.00	150	Horizontal	Pass
5	11659.513	49.69	0.11	74.0	-24.31	Peak	150.00	150	Horizontal	Pass
5**	11659.513	40.72	0.11	54.0	-13.28	AV	150.00	150	Horizontal	Pass
6	17455.575	55.05	2.84	74.0	-18.95	Peak	260.00	150	Horizontal	Pass
6**	17455.575	45.77	2.84	54.0	-8.23	AV	260.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.100	41.41	-17.27	74.0	-32.59	Peak	360.00	150	Vertical	Pass
1**	1691.100	35.48	-17.27	54.0	-18.52	AV	360.00	150	Vertical	Pass
2	2461.400	99.67	-12.76	74.0	25.67	Peak	62.00	150	Vertical	N/A
2**	2461.400	93.16	-12.76	54.0	39.16	AV	62.00	150	Vertical	N/A
3	4202.800	46.55	-5.14	74.0	-27.45	Peak	171.00	150	Vertical	Pass
3**	4202.800	37.57	-5.14	54.0	-16.43	AV	171.00	150	Vertical	Pass
4	6763.200	52.40	-1.19	74.0	-21.60	Peak	76.00	150	Vertical	Pass
4**	6763.200	42.88	-1.19	54.0	-11.12	AV	76.00	150	Vertical	Pass
5	11068.987	50.46	-1.06	74.0	-23.54	Peak	112.00	150	Vertical	Pass
5**	11068.987	40.43	-1.06	54.0	-13.57	AV	112.00	150	Vertical	Pass
6	16965.750	55.30	1.96	74.0	-18.70	Peak	156.00	150	Vertical	Pass
6**	16965.750	45.75	1.96	54.0	-8.25	AV	156.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.800	37.99	-17.26	74.0	-36.01	Peak	360.00	150	Horizontal	Pass
1**	1691.800	31.67	-17.26	54.0	-22.33	AV	360.00	150	Horizontal	Pass
2	2466.700	87.88	-12.67	74.0	13.88	Peak	191.00	150	Horizontal	N/A
2**	2466.700	80.60	-12.67	54.0	26.60	AV	191.00	150	Horizontal	N/A
3	4291.200	47.39	-5.01	74.0	-26.61	Peak	333.00	150	Horizontal	Pass
3**	4291.200	39.59	-5.01	54.0	-14.41	AV	333.00	150	Horizontal	Pass
4	6607.000	52.01	0.16	74.0	-21.99	Peak	3.00	150	Horizontal	Pass
4**	6607.000	43.35	0.16	54.0	-10.65	AV	3.00	150	Horizontal	Pass
5	11438.137	49.67	-0.08	74.0	-24.33	Peak	156.00	150	Horizontal	Pass
5**	11438.137	39.83	-0.08	54.0	-14.17	AV	156.00	150	Horizontal	Pass
6	16999.613	54.86	1.79	74.0	-19.14	Peak	76.00	150	Horizontal	Pass
6**	16999.613	44.65	1.79	54.0	-9.35	AV	76.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1057.300	39.89	-18.51	74.0	-34.11	Peak	360.00	150	Vertical	Pass
1**	1057.300	36.38	-18.51	54.0	-17.62	AV	360.00	150	Vertical	Pass
2	2470.800	92.46	-12.57	74.0	18.46	Peak	53.00	150	Vertical	N/A
2**	2470.800	86.27	-12.57	54.0	32.27	AV	53.00	150	Vertical	N/A
3	4050.400	46.59	-4.75	74.0	-27.41	Peak	71.00	150	Vertical	Pass
3**	4050.400	37.26	-4.75	54.0	-16.74	AV	71.00	150	Vertical	Pass
4	6681.800	52.96	-0.48	74.0	-21.04	Peak	0.00	150	Vertical	Pass
4**	6681.800	44.79	-0.48	54.0	-9.21	AV	0.00	150	Vertical	Pass
5	10864.862	49.64	-0.14	74.0	-24.36	Peak	215.00	150	Vertical	Pass
5**	10864.862	40.28	-0.14	54.0	-13.72	AV	215.00	150	Vertical	Pass
6	17469.749	56.05	2.91	74.0	-17.95	Peak	170.00	150	Vertical	Pass
6**	17469.749	45.46	2.91	54.0	-8.54	AV	170.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1528.500	37.45	-17.46	74.0	-36.55	Peak	227.00	150	Horizontal	Pass
1**	1528.500	28.43	-17.46	54.0	-25.57	AV	227.00	150	Horizontal	Pass
2	2404.100	99.41	-12.28	74.0	25.41	Peak	184.00	150	Horizontal	N/A
2**	2404.100	92.95	-12.28	54.0	38.95	AV	184.00	150	Horizontal	N/A
3	4157.800	46.79	-4.94	74.0	-27.21	Peak	328.00	150	Horizontal	Pass
3**	4157.800	37.02	-4.94	54.0	-16.98	AV	328.00	150	Horizontal	Pass
4	6282.800	52.66	-0.23	74.0	-21.34	Peak	356.00	150	Horizontal	Pass
4**	6282.800	44.01	-0.23	54.0	-9.99	AV	356.00	150	Horizontal	Pass
5	12227.037	50.77	1.31	74.0	-23.23	Peak	282.00	150	Horizontal	Pass
5**	12227.037	43.56	1.31	54.0	-10.44	AV	282.00	150	Horizontal	Pass
6	17197.801	55.17	2.02	74.0	-18.83	Peak	0.00	150	Horizontal	Pass
6**	17197.801	45.84	2.02	54.0	-8.16	AV	0.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.100	40.84	-17.27	74.0	-33.16	Peak	345.00	150	Vertical	Pass
1**	1691.100	36.72	-17.27	54.0	-17.28	AV	345.00	150	Vertical	Pass
2	2419.400	100.24	-12.31	74.0	26.24	Peak	40.00	150	Vertical	N/A
2**	2419.400	93.14	-12.31	54.0	39.14	AV	40.00	150	Vertical	N/A
3	3767.400	46.19	-6.30	74.0	-27.81	Peak	323.00	150	Vertical	Pass
3**	3767.400	36.09	-6.30	54.0	-17.91	AV	323.00	150	Vertical	Pass
4	6608.000	52.11	0.14	74.0	-21.89	Peak	253.00	150	Vertical	Pass
4**	6608.000	43.85	0.14	54.0	-10.15	AV	253.00	150	Vertical	Pass
5	10766.825	49.71	-0.60	74.0	-24.29	Peak	360.00	150	Vertical	Pass
5**	10766.825	40.30	-0.60	54.0	-13.70	AV	360.00	150	Vertical	Pass
6	17461.875	54.47	2.86	74.0	-19.53	Peak	-3.00	150	Vertical	Pass
6**	17461.875	46.01	2.86	54.0	-7.99	AV	-3.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1611.200	37.41	-17.73	74.0	-36.59	Peak	143.00	150	Horizontal	Pass
1**	1611.200	27.86	-17.73	54.0	-26.14	AV	143.00	150	Horizontal	Pass
2	2424.600	99.59	-12.88	74.0	25.59	Peak	202.00	150	Horizontal	N/A
2**	2424.600	93.17	-12.88	54.0	39.17	AV	202.00	150	Horizontal	N/A
3	4173.600	46.92	-5.11	74.0	-27.08	Peak	89.00	150	Horizontal	Pass
3**	4173.600	38.58	-5.11	54.0	-15.42	AV	89.00	150	Horizontal	Pass
4	6265.600	52.69	-0.67	74.0	-21.31	Peak	207.00	150	Horizontal	Pass
4**	6265.600	43.58	-0.67	54.0	-10.42	AV	207.00	150	Horizontal	Pass
5	10738.650	50.24	-0.75	74.0	-23.76	Peak	5.00	150	Horizontal	Pass
5**	10738.650	39.67	-0.75	54.0	-14.33	AV	5.00	150	Horizontal	Pass
6	17422.762	54.82	3.68	74.0	-19.18	Peak	20.00	150	Horizontal	Pass
6**	17422.762	47.05	3.68	54.0	-6.95	AV	20.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.500	40.64	-17.27	74.0	-33.36	Peak	360.00	150	Vertical	Pass
1**	1691.500	34.69	-17.27	54.0	-19.31	AV	360.00	150	Vertical	Pass
2	2424.200	100.03	-12.83	74.0	26.03	Peak	136.00	150	Vertical	N/A
2**	2424.200	93.63	-12.83	54.0	39.63	AV	136.00	150	Vertical	N/A
3	4198.400	47.27	-4.92	74.0	-26.73	Peak	0.00	150	Vertical	Pass
3**	4198.400	38.66	-4.92	54.0	-15.34	AV	0.00	150	Vertical	Pass
4	6764.800	53.11	-1.20	74.0	-20.89	Peak	0.00	150	Vertical	Pass
4**	6764.800	43.83	-1.20	54.0	-10.17	AV	0.00	150	Vertical	Pass
5	11762.437	50.36	1.26	74.0	-23.64	Peak	360.00	150	Vertical	Pass
5**	11762.437	42.02	1.26	54.0	-11.98	AV	360.00	150	Vertical	Pass
6	17421.449	54.61	3.72	74.0	-19.39	Peak	-3.00	150	Vertical	Pass
6**	17421.449	45.89	3.72	54.0	-8.11	AV	-3.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
c	1646.200	37.41	-17.48	74.0	-36.59	Peak	175.00	150	Horizontal	Pass
1**	1646.200	28.27	-17.48	54.0	-25.73	AV	175.00	150	Horizontal	Pass
2	2430.400	99.88	-12.79	74.0	25.88	Peak	360.00	150	Horizontal	N/A
2**	2430.400	93.34	-12.79	54.0	39.34	AV	360.00	150	Horizontal	N/A
3	4383.600	47.40	-4.56	74.0	-26.60	Peak	6.00	150	Horizontal	Pass
3**	4383.600	38.38	-4.56	54.0	-15.62	AV	6.00	150	Horizontal	Pass
4	6616.000	52.05	0.07	74.0	-21.95	Peak	268.00	150	Horizontal	Pass
4**	6616.000	44.03	0.07	54.0	-9.97	AV	268.00	150	Horizontal	Pass
5	11158.400	49.92	-0.87	74.0	-24.08	Peak	308.00	150	Horizontal	Pass
5**	11158.400	40.20	-0.87	54.0	-13.80	AV	308.00	150	Horizontal	Pass
6	17493.375	54.31	2.09	74.0	-19.69	Peak	171.00	150	Horizontal	Pass
6**	17493.375	45.92	2.09	54.0	-8.08	AV	171.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.600	39.80	-17.26	74.0	-34.20	Peak	356.00	150	Vertical	Pass
1**	1691.600	35.89	-17.26	54.0	-18.11	AV	356.00	150	Vertical	Pass
2	2429.200	100.29	-12.80	74.0	26.29	Peak	360.00	150	Vertical	N/A
2**	2429.200	93.54	-12.80	54.0	39.54	AV	360.00	150	Vertical	N/A
3	4017.400	46.63	-5.13	74.0	-27.37	Peak	240.00	150	Vertical	Pass
3**	4017.400	39.46	-5.13	54.0	-14.54	AV	240.00	150	Vertical	Pass
4	6683.200	52.43	-0.40	74.0	-21.57	Peak	91.00	150	Vertical	Pass
4**	6683.200	43.08	-0.40	54.0	-10.92	AV	91.00	150	Vertical	Pass
5	11642.263	49.90	-0.22	74.0	-24.10	Peak	360.00	150	Vertical	Pass
5**	11642.263	40.85	-0.22	54.0	-13.15	AV	360.00	150	Vertical	Pass
6	17416.989	54.93	3.69	74.0	-19.07	Peak	-1.00	150	Vertical	Pass
6**	17416.989	46.17	3.69	54.0	-7.83	AV	-1.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1750.900	37.56	-17.29	74.0	-36.44	Peak	342.00	150	Horizontal	Pass
1**	1750.900	29.26	-17.29	54.0	-24.74	AV	342.00	150	Horizontal	Pass
2	2459.400	98.99	-12.75	74.0	24.99	Peak	6.00	150	Horizontal	N/A
2**	2459.400	92.33	-12.75	54.0	38.33	AV	6.00	150	Horizontal	N/A
3	4062.600	46.33	-5.16	74.0	-27.67	Peak	144.00	150	Horizontal	Pass
3**	4062.600	37.47	-5.16	54.0	-16.53	AV	144.00	150	Horizontal	Pass
4	6278.600	52.30	-0.21	74.0	-21.70	Peak	262.00	150	Horizontal	Pass
4**	6278.600	43.62	-0.21	54.0	-10.38	AV	262.00	150	Horizontal	Pass
5	10759.349	49.54	-0.69	74.0	-24.46	Peak	360.00	150	Horizontal	Pass
5**	10759.349	40.49	-0.69	54.0	-13.51	AV	360.00	150	Horizontal	Pass
6	17449.802	54.54	2.82	74.0	-19.46	Peak	0.00	150	Horizontal	Pass
6**	17449.802	45.53	2.82	54.0	-8.47	AV	0.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.600	40.15	-17.26	74.0	-33.85	Peak	337.00	150	Vertical	Pass
1**	1691.600	35.39	-17.26	54.0	-18.61	AV	337.00	150	Vertical	Pass
2	2464.600	100.21	-12.75	74.0	26.21	Peak	360.00	150	Vertical	N/A
2**	2464.600	93.02	-12.75	54.0	39.02	AV	360.00	150	Vertical	N/A
3	4062.600	46.85	-5.16	74.0	-27.15	Peak	170.00	150	Vertical	Pass
3**	4062.600	38.15	-5.16	54.0	-15.85	AV	170.00	150	Vertical	Pass
4	6676.200	52.25	-0.61	74.0	-21.75	Peak	12.00	150	Vertical	Pass
4**	6676.200	44.13	-0.61	54.0	-9.87	AV	12.00	150	Vertical	Pass
5	11667.562	49.92	0.20	74.0	-24.08	Peak	297.00	150	Vertical	Pass
5**	11667.562	41.23	0.20	54.0	-12.77	AV	297.00	150	Vertical	Pass
6	17424.863	54.83	3.62	74.0	-19.17	Peak	64.00	150	Vertical	Pass
6**	17424.863	47.24	3.62	54.0	-6.76	AV	64.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1305.800	37.62	-17.37	74.0	-36.38	Peak	360.00	150	Horizontal	Pass
1**	1305.800	28.89	-17.37	54.0	-25.11	AV	360.00	150	Horizontal	Pass
2	2463.500	98.60	-12.79	74.0	24.60	Peak	179.00	150	Horizontal	N/A
2**	2463.500	91.19	-12.79	54.0	37.19	AV	179.00	150	Horizontal	N/A
3	4290.800	46.76	-4.98	74.0	-27.24	Peak	82.00	150	Horizontal	Pass
3**	4290.800	38.47	-4.98	54.0	-15.53	AV	82.00	150	Horizontal	Pass
4	6745.400	52.28	-0.42	74.0	-21.72	Peak	202.00	150	Horizontal	Pass
4**	6745.400	42.38	-0.42	54.0	-11.62	AV	202.00	150	Horizontal	Pass
5	11020.112	49.61	-0.76	74.0	-24.39	Peak	37.00	150	Horizontal	Pass
5**	11020.112	40.55	-0.76	54.0	-13.45	AV	37.00	150	Horizontal	Pass
6	17479.989	55.16	2.75	74.0	-18.84	Peak	353.00	150	Horizontal	Pass
6**	17479.989	45.47	2.75	54.0	-8.53	AV	353.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.400	39.98	-17.27	74.0	-34.02	Peak	339.00	150	Vertical	Pass
1**	1691.400	34.79	-17.27	54.0	-19.21	AV	339.00	150	Vertical	Pass
2	2469.400	99.68	-12.56	74.0	25.68	Peak	60.00	150	Vertical	N/A
2**	2469.400	91.82	-12.56	54.0	37.82	AV	60.00	150	Vertical	N/A
3	4233.800	46.81	-4.56	74.0	-27.19	Peak	318.00	150	Vertical	Pass
3**	4233.800	37.96	-4.56	54.0	-16.04	AV	318.00	150	Vertical	Pass
4	6690.800	52.96	-0.29	74.0	-21.04	Peak	89.00	150	Vertical	Pass
4**	6690.800	44.04	-0.29	54.0	-9.96	AV	89.00	150	Vertical	Pass
5	11505.412	49.98	-0.09	74.0	-24.02	Peak	96.00	150	Vertical	Pass
5**	11505.412	41.84	-0.09	54.0	-12.16	AV	96.00	150	Vertical	Pass
6	17009.849	54.00	1.69	74.0	-20.00	Peak	-3.00	150	Vertical	Pass
6**	17009.849	45.19	1.69	54.0	-8.81	AV	-3.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.800	37.48	-17.26	74.0	-36.52	Peak	6.00	150	Horizontal	Pass
1**	1691.800	30.93	-17.26	54.0	-23.07	AV	6.00	150	Horizontal	Pass
2	2463.800	97.48	-12.78	74.0	23.48	Peak	182.00	150	Horizontal	N/A
2**	2463.800	90.00	-12.78	54.0	36.00	AV	182.00	150	Horizontal	N/A
3	4189.400	46.94	-4.96	74.0	-27.06	Peak	262.00	150	Horizontal	Pass
3**	4189.400	37.92	-4.96	54.0	-16.08	AV	262.00	150	Horizontal	Pass
4	6691.600	52.96	-0.30	74.0	-21.04	Peak	0.00	150	Horizontal	Pass
4**	6691.600	43.70	-0.30	54.0	-10.30	AV	0.00	150	Horizontal	Pass
5	11792.050	50.21	0.95	74.0	-23.79	Peak	360.00	150	Horizontal	Pass
5**	11792.050	40.67	0.95	54.0	-13.33	AV	360.00	150	Horizontal	Pass
6	16968.901	54.85	1.96	74.0	-19.15	Peak	57.00	150	Horizontal	Pass
6**	16968.901	44.85	1.96	54.0	-9.15	AV	57.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.200	40.16	-17.27	74.0	-33.84	Peak	355.00	150	Vertical	Pass
1**	1691.200	34.94	-17.27	54.0	-19.06	AV	355.00	150	Vertical	Pass
2	2460.500	99.07	-12.75	74.0	25.07	Peak	67.00	150	Vertical	N/A
2**	2460.500	91.82	-12.75	54.0	37.82	AV	67.00	150	Vertical	N/A
3	4072.400	46.42	-5.47	74.0	-27.58	Peak	352.00	150	Vertical	Pass
3**	4072.400	37.74	-5.47	54.0	-16.26	AV	352.00	150	Vertical	Pass
4	6609.800	52.16	0.16	74.0	-21.84	Peak	141.00	150	Vertical	Pass
4**	6609.800	44.31	0.16	54.0	-9.69	AV	141.00	150	Vertical	Pass
5	11823.674	51.39	1.11	74.0	-22.61	Peak	237.00	150	Vertical	Pass
5**	11823.674	42.75	1.11	54.0	-11.25	AV	237.00	150	Vertical	Pass
6	17480.249	54.87	2.74	74.0	-19.13	Peak	-3.00	150	Vertical	Pass
6**	17480.249	46.67	2.74	54.0	-7.33	AV	-3.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1339.800	37.06	-17.44	74.0	-36.94	Peak	65.00	150	Horizontal	Pass
1**	1339.800	28.61	-17.44	54.0	-25.39	AV	65.00	150	Horizontal	Pass
2	2471.200	90.02	-12.57	74.0	16.02	Peak	180.00	150	Horizontal	N/A
2**	2471.200	84.05	-12.57	54.0	30.05	AV	180.00	150	Horizontal	N/A
3	4097.000	46.41	-5.68	74.0	-27.59	Peak	156.00	150	Horizontal	Pass
3**	4097.000	36.42	-5.68	54.0	-17.58	AV	156.00	150	Horizontal	Pass
4	6684.600	52.52	-0.26	74.0	-21.48	Peak	213.00	150	Horizontal	Pass
4**	6684.600	43.93	-0.26	54.0	-10.07	AV	213.00	150	Horizontal	Pass
5	11498.512	51.25	0.05	74.0	-22.75	Peak	338.00	150	Horizontal	Pass
5**	11498.512	40.70	0.05	54.0	-13.30	AV	338.00	150	Horizontal	Pass
6	17431.687	55.03	3.39	74.0	-18.97	Peak	151.00	150	Horizontal	Pass
6**	17431.687	46.46	3.39	54.0	-7.54	AV	151.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.800	41.33	-17.26	74.0	-32.67	Peak	360.00	150	Vertical	Pass
1**	1691.800	39.61	-17.26	54.0	-14.39	AV	360.00	150	Vertical	Pass
2	2470.500	93.77	-12.57	74.0	19.77	Peak	63.00	150	Vertical	N/A
2**	2470.500	86.85	-12.57	54.0	32.85	AV	63.00	150	Vertical	N/A
3	4354.200	47.79	-3.78	74.0	-26.21	Peak	138.00	150	Vertical	Pass
3**	4354.200	38.25	-3.78	54.0	-15.75	AV	138.00	150	Vertical	Pass
4	6790.400	52.50	-0.65	74.0	-21.50	Peak	0.00	150	Vertical	Pass
4**	6790.400	42.51	-0.65	54.0	-11.49	AV	0.00	150	Vertical	Pass
5	10803.912	49.35	-0.19	74.0	-24.65	Peak	360.00	150	Vertical	Pass
5**	10803.912	40.53	-0.19	54.0	-13.47	AV	360.00	150	Vertical	Pass
6	17193.599	54.52	2.23	74.0	-19.48	Peak	-3.00	150	Vertical	Pass
6**	17193.599	44.56	2.23	54.0	-9.44	AV	-3.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Channel 3

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1345.200	37.37	-17.25	74.0	-36.63	Peak	312.00	150	Horizontal	Pass
1**	1345.200	27.92	-17.25	54.0	-26.08	AV	312.00	150	Horizontal	Pass
2	2425.400	97.38	-12.88	74.0	23.38	Peak	345.00	150	Horizontal	N/A
2**	2425.400	90.58	-12.88	54.0	36.58	AV	345.00	150	Horizontal	N/A
3	4101.600	46.53	-5.74	74.0	-27.47	Peak	95.00	150	Horizontal	Pass
3**	4101.600	38.19	-5.74	54.0	-15.81	AV	95.00	150	Horizontal	Pass
4	6688.000	53.27	-0.24	74.0	-20.73	Peak	65.00	150	Horizontal	Pass
4**	6688.000	43.88	-0.24	54.0	-10.12	AV	65.00	150	Horizontal	Pass
5	11328.600	49.56	0.46	74.0	-24.44	Peak	194.00	150	Horizontal	Pass
5**	11328.600	40.31	0.46	54.0	-13.69	AV	194.00	150	Horizontal	Pass
6	17414.099	54.86	3.60	74.0	-19.14	Peak	104.00	150	Horizontal	Pass
6**	17414.099	46.26	3.60	54.0	-7.74	AV	104.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Channel 3

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.800	39.26	-17.26	74.0	-34.74	Peak	360.00	150	Vertical	Pass
1**	1427.000	27.94	-17.39	54.0	-26.06	AV	68.00	150	Horizontal	Pass
2	2428.200	98.79	-12.80	74.0	24.79	Peak	360.00	150	Horizontal	N/A
2**	2428.200	91.66	-12.80	54.0	37.66	AV	360.00	150	Horizontal	N/A
3	3953.200	46.94	-4.65	74.0	-27.06	Peak	258.00	150	Horizontal	Pass
3**	3953.200	39.55	-4.65	54.0	-14.45	AV	258.00	150	Horizontal	Pass
4	6984.800	53.26	0.55	74.0	-20.74	Peak	197.00	150	Horizontal	Pass
4**	6984.800	43.73	0.55	54.0	-10.27	AV	197.00	150	Horizontal	Pass
5	10709.900	49.78	-0.73	74.0	-24.22	Peak	212.00	150	Horizontal	Pass
5**	10709.900	39.86	-0.73	54.0	-14.14	AV	212.00	150	Horizontal	Pass
6	17420.925	54.99	3.73	74.0	-19.01	Peak	0.00	150	Horizontal	Pass
6**	17420.925	46.18	3.73	54.0	-7.82	AV	0.00	150	Horizontal	Pass
1**	1691.800	34.84	-17.26	54.0	-19.16	AV	360.00	150	Vertical	Pass
2	2439.500	99.21	-12.64	74.0	25.21	Peak	97.00	150	Vertical	N/A
2**	2439.500	92.85	-12.64	54.0	38.85	AV	97.00	150	Vertical	N/A
3	3880.200	46.55	-5.67	74.0	-27.45	Peak	232.00	150	Vertical	Pass
3**	3880.200	37.73	-5.67	54.0	-16.27	AV	232.00	150	Vertical	Pass
4	6686.000	52.53	-0.20	74.0	-21.47	Peak	20.00	150	Vertical	Pass
4**	6686.000	44.37	-0.20	54.0	-9.63	AV	20.00	150	Vertical	Pass
5	10892.463	49.92	0.05	74.0	-24.08	Peak	199.00	150	Vertical	Pass
5**	10892.463	41.66	0.05	54.0	-12.34	AV	199.00	150	Vertical	Pass
6	17465.287	54.43	2.89	74.0	-19.57	Peak	148.00	150	Vertical	Pass
6**	17465.287	45.77	2.89	54.0	-8.23	AV	148.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Channel 4

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1427.000	36.92	-17.39	74.0	-37.08	Peak	68.00	150	Horizontal	Pass
1**	1427.000	27.94	-17.39	54.0	-26.06	AV	68.00	150	Horizontal	Pass
2	2428.200	98.79	-12.80	74.0	24.79	Peak	360.00	150	Horizontal	N/A
2**	2428.200	91.66	-12.80	54.0	37.66	AV	360.00	150	Horizontal	N/A
3	3953.200	46.94	-4.65	74.0	-27.06	Peak	258.00	150	Horizontal	Pass
3**	3953.200	39.55	-4.65	54.0	-14.45	AV	258.00	150	Horizontal	Pass
4	6984.800	53.26	0.55	74.0	-20.74	Peak	197.00	150	Horizontal	Pass
4**	6984.800	43.73	0.55	54.0	-10.27	AV	197.00	150	Horizontal	Pass
5	10709.900	49.78	-0.73	74.0	-24.22	Peak	212.00	150	Horizontal	Pass
5**	10709.900	39.86	-0.73	54.0	-14.14	AV	212.00	150	Horizontal	Pass
6	17420.925	54.99	3.73	74.0	-19.01	Peak	0.00	150	Horizontal	Pass
6**	17420.925	46.18	3.73	54.0	-7.82	AV	0.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Channel 4

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1690.900	40.44	-17.27	74.0	-33.56	Peak	360.00	150	Vertical	Pass
1**	1690.900	32.81	-17.27	54.0	-21.19	AV	360.00	150	Vertical	Pass
2	2430.600	99.54	-12.78	74.0	25.54	Peak	130.00	150	Vertical	N/A
2**	2430.600	92.55	-12.78	54.0	38.55	AV	130.00	150	Vertical	N/A
3	4233.800	47.03	-4.56	74.0	-26.97	Peak	23.00	150	Vertical	Pass
3**	4233.800	37.86	-4.56	54.0	-16.14	AV	23.00	150	Vertical	Pass
4	6613.200	52.28	0.19	74.0	-21.72	Peak	172.00	150	Vertical	Pass
4**	6613.200	43.69	0.19	54.0	-10.31	AV	172.00	150	Vertical	Pass
5	11304.162	49.87	0.27	74.0	-24.13	Peak	299.00	150	Vertical	Pass
5**	11304.162	40.46	0.27	54.0	-13.54	AV	299.00	150	Vertical	Pass
6	17465.551	55.29	2.89	74.0	-18.71	Peak	350.00	150	Vertical	Pass
6**	17465.551	46.74	2.89	54.0	-7.26	AV	350.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.700	37.12	-17.26	74.0	-36.88	Peak	6.00	150	Horizontal	Pass
1**	1691.700	31.59	-17.26	54.0	-22.41	AV	6.00	150	Horizontal	Pass
2	2439.100	98.71	-12.63	74.0	24.71	Peak	214.00	150	Horizontal	N/A
2**	2439.100	91.42	-12.63	54.0	37.42	AV	214.00	150	Horizontal	N/A
3	4065.800	46.87	-5.37	74.0	-27.13	Peak	156.00	150	Horizontal	Pass
3**	4065.800	38.85	-5.37	54.0	-15.15	AV	156.00	150	Horizontal	Pass
4	6685.000	52.91	-0.21	74.0	-21.09	Peak	225.00	150	Horizontal	Pass
4**	6685.000	43.63	-0.21	54.0	-10.37	AV	225.00	150	Horizontal	Pass
5	10789.250	49.68	-0.39	74.0	-24.32	Peak	37.00	150	Horizontal	Pass
5**	10789.250	39.59	-0.39	54.0	-14.41	AV	37.00	150	Horizontal	Pass
6	17422.762	54.81	3.68	74.0	-19.19	Peak	137.00	150	Horizontal	Pass
6**	17422.762	45.48	3.68	54.0	-8.52	AV	137.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1057.400	38.85	-18.50	74.0	-35.15	Peak	7.00	150	Vertical	Pass
1**	1057.400	34.86	-18.50	54.0	-19.14	AV	7.00	150	Vertical	Pass
2	2435.400	99.50	-12.82	74.0	25.50	Peak	67.00	150	Vertical	N/A
2**	2435.400	92.11	-12.82	54.0	38.11	AV	67.00	150	Vertical	N/A
3	4355.800	47.75	-3.70	74.0	-26.25	Peak	140.00	150	Vertical	Pass
3**	4355.800	38.69	-3.70	54.0	-15.31	AV	140.00	150	Vertical	Pass
4	6687.800	52.85	-0.24	74.0	-21.15	Peak	110.00	150	Vertical	Pass
4**	6687.800	43.94	-0.24	54.0	-10.06	AV	110.00	150	Vertical	Pass
5	11486.725	49.88	0.07	74.0	-24.12	Peak	327.00	150	Vertical	Pass
5**	11486.725	40.39	0.07	54.0	-13.61	AV	327.00	150	Vertical	Pass
6	17416.462	54.33	3.67	74.0	-19.67	Peak	303.00	150	Vertical	Pass
6**	17416.462	46.21	3.67	54.0	-7.79	AV	303.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Channel 8

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1704.000	37.99	-17.21	74.0	-36.01	Peak	360.00	150	Horizontal	Pass
1**	1704.000	27.91	-17.21	54.0	-26.09	AV	360.00	150	Horizontal	Pass
2	2445.800	96.46	-12.70	74.0	22.46	Peak	343.00	150	Horizontal	N/A
2**	2445.800	89.81	-12.70	54.0	35.81	AV	343.00	150	Horizontal	N/A
3	4157.400	46.45	-4.96	74.0	-27.55	Peak	290.00	150	Horizontal	Pass
3**	4157.400	37.75	-4.96	54.0	-16.25	AV	290.00	150	Horizontal	Pass
4	6604.600	52.70	0.02	74.0	-21.30	Peak	290.00	150	Horizontal	Pass
4**	6604.600	43.70	0.02	54.0	-10.30	AV	290.00	150	Horizontal	Pass
5	12594.463	50.68	1.77	74.0	-23.32	Peak	171.00	150	Horizontal	Pass
5**	12594.463	42.02	1.77	54.0	-11.98	AV	171.00	150	Horizontal	Pass
6	17426.438	54.66	3.57	74.0	-19.34	Peak	149.00	150	Horizontal	Pass
6**	17426.438	46.05	3.57	54.0	-7.95	AV	149.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Channel 8

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.000	39.68	-17.27	74.0	-34.32	Peak	360.00	150	Vertical	Pass
1**	1691.000	34.56	-17.27	54.0	-19.44	AV	360.00	150	Vertical	Pass
2	2450.400	98.64	-12.53	74.0	24.64	Peak	37.00	150	Vertical	N/A
2**	2450.400	91.49	-12.53	54.0	37.49	AV	37.00	150	Vertical	N/A
3	4049.800	47.28	-4.73	74.0	-26.72	Peak	0.00	150	Vertical	Pass
3**	4049.800	37.70	-4.73	54.0	-16.30	AV	0.00	150	Vertical	Pass
4	6686.800	53.36	-0.22	74.0	-20.64	Peak	65.00	150	Vertical	Pass
4**	6686.800	44.34	-0.22	54.0	-9.66	AV	65.00	150	Vertical	Pass
5	11662.963	49.71	0.15	74.0	-24.29	Peak	306.00	150	Vertical	Pass
5**	11662.963	41.40	0.15	54.0	-12.60	AV	306.00	150	Vertical	Pass
6	17416.462	54.55	3.67	74.0	-19.45	Peak	0.00	150	Vertical	Pass
6**	17416.462	45.24	3.67	54.0	-8.76	AV	0.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Channel 9

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.600	37.97	-17.26	74.0	-36.03	Peak	11.00	150	Horizontal	Pass
1**	1691.600	31.23	-17.26	54.0	-22.77	AV	11.00	150	Horizontal	Pass
2	2459.200	95.95	-12.75	74.0	21.95	Peak	174.00	150	Horizontal	N/A
2**	2459.200	88.28	-12.75	54.0	34.28	AV	174.00	150	Horizontal	N/A
3	4253.000	47.49	-4.92	74.0	-26.51	Peak	288.00	150	Horizontal	Pass
3**	4253.000	38.01	-4.92	54.0	-15.99	AV	288.00	150	Horizontal	Pass
4	6609.600	52.50	0.15	74.0	-21.50	Peak	50.00	150	Horizontal	Pass
4**	6609.600	43.34	0.15	54.0	-10.66	AV	50.00	150	Horizontal	Pass
5	11303.588	50.24	0.26	74.0	-23.76	Peak	204.00	150	Horizontal	Pass
5**	11303.588	40.13	0.26	54.0	-13.87	AV	204.00	150	Horizontal	Pass
6	17436.412	54.08	3.20	74.0	-19.92	Peak	330.00	150	Horizontal	Pass
6**	17436.412	45.79	3.20	54.0	-8.21	AV	330.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Channel 9

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.100	40.38	-17.27	74.0	-33.62	Peak	350.00	150	Vertical	Pass
1**	1691.100	35.19	-17.27	54.0	-18.81	AV	350.00	150	Vertical	Pass
2	2455.500	98.29	-12.69	74.0	24.29	Peak	59.00	150	Vertical	N/A
2**	2455.500	91.85	-12.69	54.0	37.85	AV	59.00	150	Vertical	N/A
3	4047.600	46.70	-4.73	74.0	-27.30	Peak	30.00	150	Vertical	Pass
3**	4047.600	37.88	-4.73	54.0	-16.12	AV	30.00	150	Vertical	Pass
4	6687.000	53.00	-0.22	74.0	-21.00	Peak	245.00	150	Vertical	Pass
4**	6687.000	44.33	-0.22	54.0	-9.67	AV	245.00	150	Vertical	Pass
5	10530.787	49.67	-0.69	74.0	-24.33	Peak	4.00	150	Vertical	Pass
5**	10530.787	40.58	-0.69	54.0	-13.42	AV	4.00	150	Vertical	Pass
6	17418.301	55.69	3.72	74.0	-18.31	Peak	-3.00	150	Vertical	Pass
6**	17418.301	46.07	3.72	54.0	-7.93	AV	-3.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.200	37.78	-17.27	74.0	-36.22	Peak	6.00	150	Horizontal	Pass
1**	1691.200	31.81	-17.27	54.0	-22.19	AV	6.00	150	Horizontal	Pass
2	2460.900	90.09	-12.75	74.0	16.09	Peak	192.00	150	Horizontal	N/A
2**	2460.900	83.49	-12.75	54.0	29.49	AV	192.00	150	Horizontal	N/A
3	3664.000	46.19	-6.82	74.0	-27.81	Peak	283.00	150	Horizontal	Pass
3**	3664.000	36.60	-6.82	54.0	-17.40	AV	283.00	150	Horizontal	Pass
4	6605.600	52.32	0.09	74.0	-21.68	Peak	184.00	150	Horizontal	Pass
4**	6605.600	43.27	0.09	54.0	-10.73	AV	184.00	150	Horizontal	Pass
5	11894.112	51.01	1.68	74.0	-22.99	Peak	79.00	150	Horizontal	Pass
5**	11894.112	41.34	1.68	54.0	-12.66	AV	79.00	150	Horizontal	Pass
6	17191.238	55.08	2.30	74.0	-18.92	Peak	-3.00	150	Horizontal	Pass
6**	17191.238	45.01	2.30	54.0	-8.99	AV	-3.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.400	40.51	-17.27	74.0	-33.49	Peak	351.00	150	Vertical	Pass
1**	1691.400	36.35	-17.27	54.0	-17.65	AV	351.00	150	Vertical	Pass
2	2462.400	94.74	-12.78	74.0	20.74	Peak	39.00	150	Vertical	N/A
2**	2462.400	88.34	-12.78	54.0	34.34	AV	39.00	150	Vertical	N/A
3	4195.600	46.80	-4.82	74.0	-27.20	Peak	354.00	150	Vertical	Pass
3**	4195.600	37.94	-4.82	54.0	-16.06	AV	354.00	150	Vertical	Pass
4	6611.800	53.12	0.19	74.0	-20.88	Peak	323.00	150	Vertical	Pass
4**	6611.800	43.78	0.19	54.0	-10.22	AV	323.00	150	Vertical	Pass
5	11722.188	50.52	0.81	74.0	-23.48	Peak	72.00	150	Vertical	Pass
5**	11722.188	40.93	0.81	54.0	-13.07	AV	72.00	150	Vertical	Pass
6	17412.526	54.64	3.54	74.0	-19.36	Peak	197.00	150	Vertical	Pass
6**	17412.526	44.82	3.54	54.0	-9.18	AV	197.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1692.500	37.91	-17.24	74.0	-36.09	Peak	40.00	150	Horizontal	Pass
1**	1692.500	28.75	-17.24	54.0	-25.25	AV	40.00	150	Horizontal	Pass
2	2460.700	83.74	-12.75	74.0	9.74	Peak	204.00	150	Horizontal	N/A
2**	2460.700	77.25	-12.75	54.0	23.25	AV	204.00	150	Horizontal	N/A
3	4160.400	46.46	-4.91	74.0	-27.54	Peak	11.00	150	Horizontal	Pass
3**	4160.400	38.10	-4.91	54.0	-15.90	AV	11.00	150	Horizontal	Pass
4	6625.800	52.09	-0.23	74.0	-21.91	Peak	319.00	150	Horizontal	Pass
4**	6625.800	43.16	-0.23	54.0	-10.84	AV	319.00	150	Horizontal	Pass
5	11439.575	50.23	-0.08	74.0	-23.77	Peak	324.00	150	Horizontal	Pass
5**	11439.575	40.91	-0.08	54.0	-13.09	AV	324.00	150	Horizontal	Pass
6	17429.588	54.58	3.47	74.0	-19.42	Peak	295.00	150	Horizontal	Pass
6**	17429.588	45.74	3.47	54.0	-8.26	AV	295.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.400	41.73	-17.27	74.0	-32.27	Peak	360.00	150	Vertical	Pass
1**	1691.400	37.51	-17.27	54.0	-16.49	AV	360.00	150	Vertical	Pass
2	2463.500	87.69	-12.79	74.0	13.69	Peak	88.00	150	Vertical	N/A
2**	2463.500	80.96	-12.79	54.0	26.96	AV	88.00	150	Vertical	N/A
3	4089.800	47.36	-5.52	74.0	-26.64	Peak	163.00	150	Vertical	Pass
3**	4089.800	37.58	-5.52	54.0	-16.42	AV	163.00	150	Vertical	Pass
4	6679.000	52.25	-0.54	74.0	-21.75	Peak	223.00	150	Vertical	Pass
4**	6679.000	44.46	-0.54	54.0	-9.54	AV	223.00	150	Vertical	Pass
5	12736.775	51.18	1.30	74.0	-22.82	Peak	360.00	150	Vertical	Pass
5**	12736.775	42.33	1.30	54.0	-11.67	AV	360.00	150	Vertical	Pass
6	17427.751	54.99	3.53	74.0	-19.01	Peak	300.00	150	Vertical	Pass
6**	17427.751	45.14	3.53	54.0	-8.86	AV	300.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT20 Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1322.100	36.82	-17.52	74.0	-37.18	Peak	313.00	150	Horizontal	Pass
1**	1322.100	26.99	-17.52	54.0	-27.01	AV	313.00	150	Horizontal	Pass
2	2405.400	98.93	-12.32	74.0	24.93	Peak	360.00	150	Horizontal	N/A
2**	2405.400	92.25	-12.32	54.0	38.25	AV	360.00	150	Horizontal	N/A
3	4173.400	46.85	-5.12	74.0	-27.15	Peak	43.00	150	Horizontal	Pass
3**	4173.400	37.71	-5.12	54.0	-16.29	AV	43.00	150	Horizontal	Pass
4	6686.600	52.78	-0.21	74.0	-21.22	Peak	143.00	150	Horizontal	Pass
4**	6686.600	44.43	-0.21	54.0	-9.57	AV	143.00	150	Horizontal	Pass
5	11409.100	49.72	-0.20	74.0	-24.28	Peak	306.00	150	Horizontal	Pass
5**	11409.100	40.85	-0.20	54.0	-13.15	AV	306.00	150	Horizontal	Pass
6	17479.989	54.63	2.75	74.0	-19.37	Peak	87.00	150	Horizontal	Pass
6**	17479.989	45.72	2.75	54.0	-8.28	AV	87.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT20 Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.400	40.94	-17.27	74.0	-33.06	Peak	344.00	150	Vertical	Pass
1**	1691.400	36.08	-17.27	54.0	-17.92	AV	344.00	150	Vertical	Pass
2	2419.300	100.44	-12.31	74.0	26.44	Peak	98.00	150	Vertical	N/A
2**	2419.300	94.20	-12.31	54.0	40.20	AV	98.00	150	Vertical	N/A
3	4189.800	47.02	-4.94	74.0	-26.98	Peak	344.00	150	Vertical	Pass
3**	4189.800	37.57	-4.94	54.0	-16.43	AV	344.00	150	Vertical	Pass
4	6787.800	52.16	-0.68	74.0	-21.84	Peak	309.00	150	Vertical	Pass
4**	6787.800	43.09	-0.68	54.0	-10.91	AV	309.00	150	Vertical	Pass
5	11657.213	49.87	0.04	74.0	-24.13	Peak	186.00	150	Vertical	Pass
5**	11657.213	40.38	0.04	54.0	-13.62	AV	186.00	150	Vertical	Pass
6	17460.038	54.48	2.84	74.0	-19.52	Peak	349.00	150	Vertical	Pass
6**	17460.038	45.31	2.84	54.0	-8.69	AV	349.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT20 Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1644.300	37.82	-17.46	74.0	-36.18	Peak	354.00	150	Horizontal	Pass
1**	1644.300	27.46	-17.46	54.0	-26.54	AV	354.00	150	Horizontal	Pass
2	2424.500	99.87	-12.87	74.0	25.87	Peak	354.00	150	Horizontal	N/A
2**	2424.500	93.88	-12.87	54.0	39.88	AV	354.00	150	Horizontal	N/A
3	4290.600	46.57	-4.97	74.0	-27.43	Peak	220.00	150	Horizontal	Pass
3**	4290.600	37.89	-4.97	54.0	-16.11	AV	220.00	150	Horizontal	Pass
4	6681.000	52.45	-0.52	74.0	-21.55	Peak	155.00	150	Horizontal	Pass
4**	6681.000	43.58	-0.52	54.0	-10.42	AV	155.00	150	Horizontal	Pass
5	10611.863	50.33	-1.36	74.0	-23.67	Peak	351.00	150	Horizontal	Pass
5**	10611.863	41.29	-1.36	54.0	-12.71	AV	351.00	150	Horizontal	Pass
6	17426.438	54.89	3.57	74.0	-19.11	Peak	349.00	150	Horizontal	Pass
6**	17426.438	47.19	3.57	54.0	-6.81	AV	349.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT20 Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.200	40.43	-17.27	74.0	-33.57	Peak	360.00	150	Vertical	Pass
1**	1691.200	34.52	-17.27	54.0	-19.48	AV	360.00	150	Vertical	Pass
2	2424.600	100.33	-12.88	74.0	26.33	Peak	9.00	150	Vertical	N/A
2**	2424.600	94.79	-12.88	54.0	40.79	AV	9.00	150	Vertical	N/A
3	4083.600	46.64	-5.32	74.0	-27.36	Peak	167.00	150	Vertical	Pass
3**	4083.600	36.79	-5.32	54.0	-17.21	AV	167.00	150	Vertical	Pass
4	6739.600	53.20	-0.22	74.0	-20.80	Peak	66.00	150	Vertical	Pass
4**	6739.600	43.04	-0.22	54.0	-10.96	AV	66.00	150	Vertical	Pass
5	11919.412	50.63	1.50	74.0	-23.37	Peak	360.00	150	Vertical	Pass
5**	11919.412	41.09	1.50	54.0	-12.91	AV	360.00	150	Vertical	Pass
6	17362.911	54.76	2.28	74.0	-19.24	Peak	250.00	150	Vertical	Pass
6**	17362.911	45.23	2.28	54.0	-8.77	AV	250.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.700	37.58	-17.26	74.0	-36.42	Peak	9.00	150	Horizontal	Pass
1**	1691.700	30.90	-17.26	54.0	-23.10	AV	9.00	150	Horizontal	Pass
2	2430.600	99.32	-12.78	74.0	25.32	Peak	9.00	150	Horizontal	N/A
2**	2430.600	92.58	-12.78	54.0	38.58	AV	9.00	150	Horizontal	N/A
3	4229.400	46.84	-4.55	74.0	-27.16	Peak	116.00	150	Horizontal	Pass
3**	4229.400	37.69	-4.55	54.0	-16.31	AV	116.00	150	Horizontal	Pass
4	6684.200	52.07	-0.30	74.0	-21.93	Peak	317.00	150	Horizontal	Pass
4**	6684.200	44.05	-0.30	54.0	-9.95	AV	317.00	150	Horizontal	Pass
5	11691.425	49.90	0.19	74.0	-24.10	Peak	147.00	150	Horizontal	Pass
5**	11691.425	40.50	0.19	54.0	-13.50	AV	147.00	150	Horizontal	Pass
6	17417.511	54.68	3.70	74.0	-19.32	Peak	-3.00	150	Horizontal	Pass
6**	17417.511	46.20	3.70	54.0	-7.80	AV	-3.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT20 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.400	38.45	-17.27	74.0	-35.55	Peak	359.00	150	Vertical	Pass
1**	1691.400	33.96	-17.27	54.0	-20.04	AV	359.00	150	Vertical	Pass
2	2430.500	100.45	-12.79	74.0	26.45	Peak	100.00	150	Vertical	N/A
2**	2430.500	93.01	-12.79	54.0	39.01	AV	100.00	150	Vertical	N/A
3	4350.600	47.40	-4.01	74.0	-26.60	Peak	141.00	150	Vertical	Pass
3**	4350.600	37.34	-4.01	54.0	-16.66	AV	141.00	150	Vertical	Pass
4	6975.800	53.16	0.78	74.0	-20.84	Peak	351.00	150	Vertical	Pass
4**	6975.800	44.68	0.78	54.0	-9.32	AV	351.00	150	Vertical	Pass
5	11934.650	50.03	1.68	74.0	-23.97	Peak	38.00	150	Vertical	Pass
5**	11934.650	41.38	1.68	54.0	-12.62	AV	38.00	150	Vertical	Pass
6	17377.876	55.73	2.60	74.0	-18.27	Peak	-3.00	150	Vertical	Pass
6**	17377.876	45.33	2.60	54.0	-8.67	AV	-3.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT20 Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1449.800	37.28	-17.38	74.0	-36.72	Peak	11.00	150	Horizontal	Pass
1**	1449.800	28.47	-17.38	54.0	-25.53	AV	11.00	150	Horizontal	Pass
2	2459.500	98.72	-12.75	74.0	24.72	Peak	360.00	150	Horizontal	N/A
2**	2459.500	92.00	-12.75	54.0	38.00	AV	360.00	150	Horizontal	N/A
3	4052.200	46.54	-4.85	74.0	-27.46	Peak	119.00	150	Horizontal	Pass
3**	4052.200	38.24	-4.85	54.0	-15.76	AV	119.00	150	Horizontal	Pass
4	6316.600	52.86	-1.53	74.0	-21.14	Peak	17.00	150	Horizontal	Pass
4**	6316.600	43.20	-1.53	54.0	-10.80	AV	17.00	150	Horizontal	Pass
5	11566.937	49.68	-0.41	74.0	-24.32	Peak	258.00	150	Horizontal	Pass
5**	11566.937	40.23	-0.41	54.0	-13.77	AV	258.00	150	Horizontal	Pass
6	17421.187	54.37	3.72	74.0	-19.63	Peak	163.00	150	Horizontal	Pass
6**	17421.187	45.79	3.72	54.0	-8.21	AV	163.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT20 Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.700	39.67	-17.26	74.0	-34.33	Peak	359.00	150	Vertical	Pass
1**	1691.700	35.17	-17.26	54.0	-18.83	AV	359.00	150	Vertical	Pass
2	2464.500	100.18	-12.75	74.0	26.18	Peak	103.00	150	Vertical	N/A
2**	2464.500	92.83	-12.75	54.0	38.83	AV	103.00	150	Vertical	N/A
3	4190.200	47.47	-4.92	74.0	-26.53	Peak	335.00	150	Vertical	Pass
3**	4190.200	37.44	-4.92	54.0	-16.56	AV	335.00	150	Vertical	Pass
4	6685.400	52.62	-0.18	74.0	-21.38	Peak	0.00	150	Vertical	Pass
4**	6685.400	44.01	-0.18	54.0	-9.99	AV	0.00	150	Vertical	Pass
5	11233.724	49.31	-0.38	74.0	-24.69	Peak	360.00	150	Vertical	Pass
5**	11233.724	40.28	-0.38	54.0	-13.72	AV	360.00	150	Vertical	Pass
6	17326.426	54.10	1.34	74.0	-19.90	Peak	345.00	150	Vertical	Pass
6**	17326.426	44.38	1.34	54.0	-9.62	AV	345.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1888.500	39.42	-16.14	74.0	-34.58	Peak	360.00	150	Horizontal	Pass
1**	1888.500	28.51	-16.14	54.0	-25.49	AV	360.00	150	Horizontal	Pass
2	2464.300	98.61	-12.76	74.0	24.61	Peak	149.00	150	Horizontal	N/A
2**	2464.300	91.70	-12.76	54.0	37.70	AV	149.00	150	Horizontal	N/A
3	4056.800	46.67	-4.88	74.0	-27.33	Peak	126.00	150	Horizontal	Pass
3**	4056.800	37.63	-4.88	54.0	-16.37	AV	126.00	150	Horizontal	Pass
4	6616.000	52.11	0.07	74.0	-21.89	Peak	36.00	150	Horizontal	Pass
4**	6616.000	43.89	0.07	54.0	-10.11	AV	36.00	150	Horizontal	Pass
5	11034.488	49.47	-0.58	74.0	-24.53	Peak	310.00	150	Horizontal	Pass
5**	11034.488	41.35	-0.58	54.0	-12.65	AV	310.00	150	Horizontal	Pass
6	17608.614	54.66	2.17	74.0	-19.34	Peak	55.00	150	Horizontal	Pass
6**	17608.614	44.74	2.17	54.0	-9.26	AV	55.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT20 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.400	40.69	-17.27	74.0	-33.31	Peak	333.00	150	Vertical	Pass
1**	1691.400	37.02	-17.27	54.0	-16.98	AV	333.00	150	Vertical	Pass
2	2469.500	99.77	-12.56	74.0	25.77	Peak	66.00	150	Vertical	N/A
2**	2469.500	91.75	-12.56	54.0	37.75	AV	66.00	150	Vertical	N/A
3	4072.600	46.55	-5.49	74.0	-27.45	Peak	87.00	150	Vertical	Pass
3**	4072.600	37.34	-5.49	54.0	-16.66	AV	87.00	150	Vertical	Pass
4	6601.000	52.85	-0.34	74.0	-21.15	Peak	48.00	150	Vertical	Pass
4**	6601.000	44.03	-0.34	54.0	-9.97	AV	48.00	150	Vertical	Pass
5	11360.800	49.50	-0.24	74.0	-24.50	Peak	360.00	150	Vertical	Pass
5**	11360.800	41.30	-0.24	54.0	-12.70	AV	360.00	150	Vertical	Pass
6	17417.775	54.62	3.70	74.0	-19.38	Peak	24.00	150	Vertical	Pass
6**	17417.775	45.38	3.70	54.0	-8.62	AV	24.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT20 Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1338.700	37.69	-17.43	74.0	-36.31	Peak	175.00	150	Horizontal	Pass
1**	1338.700	28.76	-17.43	54.0	-25.24	AV	175.00	150	Horizontal	Pass
2	2464.900	96.85	-12.74	74.0	22.85	Peak	167.00	150	Horizontal	N/A
2**	2464.900	90.10	-12.74	54.0	36.10	AV	167.00	150	Horizontal	N/A
3	4060.000	47.30	-4.98	74.0	-26.70	Peak	21.00	150	Horizontal	Pass
3**	4060.000	38.13	-4.98	54.0	-15.87	AV	21.00	150	Horizontal	Pass
4	6686.600	53.53	-0.21	74.0	-20.47	Peak	84.00	150	Horizontal	Pass
4**	6686.600	43.94	-0.21	54.0	-10.06	AV	84.00	150	Horizontal	Pass
5	11735.125	49.97	0.81	74.0	-24.03	Peak	360.00	150	Horizontal	Pass
5**	11735.125	40.54	0.81	54.0	-13.46	AV	360.00	150	Horizontal	Pass
6	17470.800	54.84	2.89	74.0	-19.16	Peak	316.00	150	Horizontal	Pass
6**	17470.800	45.90	2.89	54.0	-8.10	AV	316.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT20 Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.600	39.22	-17.26	74.0	-34.78	Peak	329.00	150	Vertical	Pass
1**	1691.600	34.26	-17.26	54.0	-19.74	AV	329.00	150	Vertical	Pass
2	2460.500	99.13	-12.75	74.0	25.13	Peak	18.00	150	Vertical	N/A
2**	2460.500	92.07	-12.75	54.0	38.07	AV	18.00	150	Vertical	N/A
3	4049.600	46.62	-4.73	74.0	-27.38	Peak	64.00	150	Vertical	Pass
3**	4049.600	37.12	-4.73	54.0	-16.88	AV	64.00	150	Vertical	Pass
4	6679.600	52.82	-0.54	74.0	-21.18	Peak	36.00	150	Vertical	Pass
4**	6679.600	44.28	-0.54	54.0	-9.72	AV	36.00	150	Vertical	Pass
5	12011.412	51.03	1.14	74.0	-22.97	Peak	275.00	150	Vertical	Pass
5**	12011.412	40.88	1.14	54.0	-13.12	AV	275.00	150	Vertical	Pass
6	17427.225	54.57	3.55	74.0	-19.43	Peak	151.00	150	Vertical	Pass
6**	17427.225	45.96	3.55	54.0	-8.04	AV	151.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT20 Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1294.800	38.22	-17.40	74.0	-35.78	Peak	360.00	150	Horizontal	Pass
1**	1294.800	27.27	-17.40	54.0	-26.73	AV	360.00	150	Horizontal	Pass
2	2470.800	88.10	-12.57	74.0	14.10	Peak	328.00	150	Horizontal	N/A
2**	2470.800	84.00	-12.57	54.0	30.00	AV	328.00	150	Horizontal	N/A
3	4076.800	46.82	-5.42	74.0	-27.18	Peak	22.00	150	Horizontal	Pass
3**	4076.800	37.21	-5.42	54.0	-16.79	AV	22.00	150	Horizontal	Pass
4	6852.800	52.83	-0.85	74.0	-21.17	Peak	271.00	150	Horizontal	Pass
4**	6852.800	42.14	-0.85	54.0	-11.86	AV	271.00	150	Horizontal	Pass
5	10949.675	50.14	-0.25	74.0	-23.86	Peak	345.00	150	Horizontal	Pass
5**	10949.675	40.39	-0.25	54.0	-13.61	AV	345.00	150	Horizontal	Pass
6	17424.075	54.48	3.65	74.0	-19.52	Peak	25.00	150	Horizontal	Pass
6**	17424.075	46.06	3.65	54.0	-7.94	AV	25.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT20 Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.000	40.17	-17.27	74.0	-33.83	Peak	336.00	150	Vertical	Pass
1**	1691.000	33.91	-17.27	54.0	-20.09	AV	336.00	150	Vertical	Pass
2	2470.300	93.50	-12.57	74.0	19.50	Peak	49.00	150	Vertical	N/A
2**	2470.300	86.50	-12.57	54.0	32.50	AV	49.00	150	Vertical	N/A
3	4284.000	47.65	-4.77	74.0	-26.35	Peak	23.00	150	Vertical	Pass
3**	4284.000	38.81	-4.77	54.0	-15.19	AV	23.00	150	Vertical	Pass
4	6726.800	52.56	-0.85	74.0	-21.44	Peak	266.00	150	Vertical	Pass
4**	6726.800	42.18	-0.85	54.0	-11.82	AV	266.00	150	Vertical	Pass
5	10622.213	49.09	-1.20	74.0	-24.91	Peak	235.00	150	Vertical	Pass
5**	10622.213	40.50	-1.20	54.0	-13.50	AV	235.00	150	Vertical	Pass
6	17421.187	54.79	3.72	74.0	-19.21	Peak	361.00	150	Vertical	Pass
6**	17421.187	44.99	3.72	54.0	-9.01	AV	361.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT40 Channel 3

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1480.100	37.21	-17.56	74.0	-36.79	Peak	273.00	150	Horizontal	Pass
1**	1480.100	28.80	-17.56	54.0	-25.20	AV	273.00	150	Horizontal	Pass
2	2433.500	97.64	-12.89	74.0	23.64	Peak	156.00	150	Horizontal	N/A
2**	2433.500	91.38	-12.89	54.0	37.38	AV	156.00	150	Horizontal	N/A
3	4114.200	46.65	-5.50	74.0	-27.35	Peak	216.00	150	Horizontal	Pass
3**	4114.200	37.96	-5.50	54.0	-16.04	AV	216.00	150	Horizontal	Pass
4	6690.000	52.53	-0.27	74.0	-21.47	Peak	0.00	150	Horizontal	Pass
4**	6690.000	44.54	-0.27	54.0	-9.46	AV	0.00	150	Horizontal	Pass
5	10488.526	49.86	-0.81	74.0	-24.14	Peak	140.00	150	Horizontal	Pass
5**	10488.526	40.37	-0.81	54.0	-13.63	AV	140.00	150	Horizontal	Pass
6	17427.489	54.46	3.54	74.0	-19.54	Peak	89.00	150	Horizontal	Pass
6**	17427.489	45.90	3.54	54.0	-8.10	AV	89.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT40 Channel 3

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.800	39.57	-17.26	74.0	-34.43	Peak	326.00	150	Vertical	Pass
1**	1691.800	32.77	-17.26	54.0	-21.23	AV	326.00	150	Vertical	Pass
2	2425.300	99.22	-12.89	74.0	25.22	Peak	0.00	150	Vertical	N/A
2**	2425.300	92.60	-12.89	54.0	38.60	AV	0.00	150	Vertical	N/A
3	3801.400	46.87	-5.56	74.0	-27.13	Peak	63.00	150	Vertical	Pass
3**	3801.400	37.17	-5.56	54.0	-16.83	AV	63.00	150	Vertical	Pass
4	6690.800	52.74	-0.29	74.0	-21.26	Peak	0.00	150	Vertical	Pass
4**	6690.800	44.50	-0.29	54.0	-9.50	AV	0.00	150	Vertical	Pass
5	11481.263	50.17	0.00	74.0	-23.83	Peak	229.00	150	Vertical	Pass
5**	11481.263	42.28	0.00	54.0	-11.72	AV	229.00	150	Vertical	Pass
6	17419.350	54.79	3.74	74.0	-19.21	Peak	316.00	150	Vertical	Pass
6**	17419.350	46.46	3.74	54.0	-7.54	AV	316.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT40 Channel 4

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1694.500	37.77	-17.25	74.0	-36.23	Peak	126.00	150	Horizontal	Pass
1**	1694.500	28.09	-17.25	54.0	-25.91	AV	126.00	150	Horizontal	Pass
2	2430.400	99.25	-12.79	74.0	25.25	Peak	317.00	150	Horizontal	N/A
2**	2430.400	92.04	-12.79	54.0	38.04	AV	317.00	150	Horizontal	N/A
3	4140.200	47.11	-4.87	74.0	-26.89	Peak	125.00	150	Horizontal	Pass
3**	4140.200	38.11	-4.87	54.0	-15.89	AV	125.00	150	Horizontal	Pass
4	6677.200	53.28	-0.58	74.0	-20.72	Peak	48.00	150	Horizontal	Pass
4**	6677.200	44.81	-0.58	54.0	-9.19	AV	48.00	150	Horizontal	Pass
5	11227.975	50.02	-0.26	74.0	-23.98	Peak	272.00	150	Horizontal	Pass
5**	11227.975	39.83	-0.26	54.0	-14.17	AV	272.00	150	Horizontal	Pass
6	17417.251	55.24	3.69	74.0	-18.76	Peak	120.00	150	Horizontal	Pass
6**	17417.251	44.82	3.69	54.0	-9.18	AV	120.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT40 Channel 4

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1479.900	39.48	-17.55	74.0	-34.52	Peak	344.00	150	Vertical	Pass
1**	1479.900	35.01	-17.55	54.0	-18.99	AV	344.00	150	Vertical	Pass
2	2425.500	99.53	-12.87	74.0	25.53	Peak	41.00	150	Vertical	N/A
2**	2425.500	92.11	-12.87	54.0	38.11	AV	41.00	150	Vertical	N/A
3	4259.600	47.14	-4.73	74.0	-26.86	Peak	251.00	150	Vertical	Pass
3**	4259.600	37.61	-4.73	54.0	-16.39	AV	251.00	150	Vertical	Pass
4	6615.200	52.48	0.18	74.0	-21.52	Peak	339.00	150	Vertical	Pass
4**	6615.200	43.77	0.18	54.0	-10.23	AV	339.00	150	Vertical	Pass
5	11955.637	51.11	1.14	74.0	-22.89	Peak	262.00	150	Vertical	Pass
5**	11955.637	40.68	1.14	54.0	-13.32	AV	262.00	150	Vertical	Pass
6	17421.976	54.50	3.70	74.0	-19.50	Peak	162.00	150	Vertical	Pass
6**	17421.976	46.13	3.70	54.0	-7.87	AV	162.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT40 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1586.600	37.65	-17.57	74.0	-36.35	Peak	101.00	150	Horizontal	Pass
1**	1586.600	28.31	-17.57	54.0	-25.69	AV	101.00	150	Horizontal	Pass
2	2438.100	99.01	-12.60	74.0	25.01	Peak	159.00	150	Horizontal	N/A
2**	2438.100	90.94	-12.60	54.0	36.94	AV	159.00	150	Horizontal	N/A
3	3918.000	46.70	-5.37	74.0	-27.30	Peak	202.00	150	Horizontal	Pass
3**	3918.000	37.47	-5.37	54.0	-16.53	AV	202.00	150	Horizontal	Pass
4	6275.000	52.93	-0.26	74.0	-21.07	Peak	138.00	150	Horizontal	Pass
4**	6275.000	42.78	-0.26	54.0	-11.22	AV	138.00	150	Horizontal	Pass
5	11036.787	50.04	-0.55	74.0	-23.96	Peak	345.00	150	Horizontal	Pass
5**	11036.787	40.38	-0.55	54.0	-13.62	AV	345.00	150	Horizontal	Pass
6	17501.512	55.26	1.94	74.0	-18.74	Peak	0.00	150	Horizontal	Pass
6**	17501.512	44.62	1.94	54.0	-9.38	AV	0.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT40 Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.300	39.86	-17.27	74.0	-34.14	Peak	322.00	150	Vertical	Pass
1**	1691.300	36.22	-17.27	54.0	-17.78	AV	322.00	150	Vertical	Pass
2	2438.300	99.58	-12.60	74.0	25.58	Peak	16.00	150	Vertical	N/A
2**	2438.300	92.37	-12.60	54.0	38.37	AV	16.00	150	Vertical	N/A
3	4084.400	47.17	-5.29	74.0	-26.83	Peak	50.00	150	Vertical	Pass
3**	4084.400	37.50	-5.29	54.0	-16.50	AV	50.00	150	Vertical	Pass
4	6682.800	52.33	-0.42	74.0	-21.67	Peak	142.00	150	Vertical	Pass
4**	6682.800	43.77	-0.42	54.0	-10.23	AV	142.00	150	Vertical	Pass
5	11676.763	49.87	0.23	74.0	-24.13	Peak	344.00	150	Vertical	Pass
5**	11676.763	39.88	0.23	54.0	-14.12	AV	344.00	150	Vertical	Pass
6	17433.526	54.81	3.32	74.0	-19.19	Peak	187.00	150	Vertical	Pass
6**	17433.526	45.50	3.32	54.0	-8.50	AV	187.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT40 Channel 8

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1342.500	36.82	-17.37	74.0	-37.18	Peak	288.00	150	Horizontal	Pass
1**	1342.500	27.82	-17.37	54.0	-26.18	AV	288.00	150	Horizontal	Pass
2	2442.300	97.12	-12.89	74.0	23.12	Peak	159.00	150	Horizontal	N/A
2**	2442.300	89.60	-12.89	54.0	35.60	AV	159.00	150	Horizontal	N/A
3	4035.600	46.74	-4.84	74.0	-27.26	Peak	23.00	150	Horizontal	Pass
3**	4035.600	36.58	-4.84	54.0	-17.42	AV	23.00	150	Horizontal	Pass
4	6681.800	52.56	-0.48	74.0	-21.44	Peak	280.00	150	Horizontal	Pass
4**	6681.800	43.53	-0.48	54.0	-10.47	AV	280.00	150	Horizontal	Pass
5	10684.026	49.44	-0.65	74.0	-24.56	Peak	214.00	150	Horizontal	Pass
5**	10684.026	39.59	-0.65	54.0	-14.41	AV	214.00	150	Horizontal	Pass
6	17490.749	54.42	2.21	74.0	-19.58	Peak	120.00	150	Horizontal	Pass
6**	17490.749	45.27	2.21	54.0	-8.73	AV	120.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT40 Channel 8

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1690.900	39.78	-17.27	74.0	-34.22	Peak	303.00	150	Vertical	Pass
1**	1690.900	33.00	-17.27	54.0	-21.00	AV	303.00	150	Vertical	Pass
2	2464.500	98.50	-12.75	74.0	24.50	Peak	360.00	150	Vertical	N/A
2**	2464.500	91.77	-12.75	54.0	37.77	AV	360.00	150	Vertical	N/A
3	4063.800	47.17	-5.23	74.0	-26.83	Peak	251.00	150	Vertical	Pass
3**	4063.800	37.33	-5.23	54.0	-16.67	AV	251.00	150	Vertical	Pass
4	6696.600	52.13	-0.52	74.0	-21.87	Peak	251.00	150	Vertical	Pass
4**	6696.600	43.62	-0.52	54.0	-10.38	AV	251.00	150	Vertical	Pass
5	11822.525	50.08	1.09	74.0	-23.92	Peak	124.00	150	Vertical	Pass
5**	11822.525	41.07	1.09	54.0	-12.93	AV	124.00	150	Vertical	Pass
6	17424.863	54.31	3.62	74.0	-19.69	Peak	357.00	150	Vertical	Pass
6**	17424.863	46.17	3.62	54.0	-7.83	AV	357.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT40 Channel 9

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1381.300	38.02	-17.34	74.0	-35.98	Peak	307.00	150	Horizontal	Pass
1**	1381.300	28.00	-17.34	54.0	-26.00	AV	307.00	150	Horizontal	Pass
2	2454.100	96.53	-12.66	74.0	22.53	Peak	157.00	150	Horizontal	N/A
2**	2454.100	89.78	-12.66	54.0	35.78	AV	157.00	150	Horizontal	N/A
3	4340.000	47.12	-4.35	74.0	-26.88	Peak	53.00	150	Horizontal	Pass
3**	4340.000	38.79	-4.35	54.0	-15.21	AV	53.00	150	Horizontal	Pass
4	6488.000	52.09	-1.88	74.0	-21.91	Peak	53.00	150	Horizontal	Pass
4**	6488.000	41.13	-1.88	54.0	-12.87	AV	53.00	150	Horizontal	Pass
5	10955.713	49.49	-0.36	74.0	-24.51	Peak	305.00	150	Horizontal	Pass
5**	10955.713	40.58	-0.36	54.0	-13.42	AV	305.00	150	Horizontal	Pass
6	17411.213	54.44	3.49	74.0	-19.56	Peak	322.00	150	Horizontal	Pass
6**	17411.213	45.39	3.49	54.0	-8.61	AV	322.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT40 Channel 9

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1479.800	39.71	-17.55	74.0	-34.29	Peak	331.00	150	Vertical	Pass
1**	1479.800	33.84	-17.55	54.0	-20.16	AV	331.00	150	Vertical	Pass
2	2453.100	98.35	-12.68	74.0	24.35	Peak	360.00	150	Vertical	N/A
2**	2453.100	91.05	-12.68	54.0	37.05	AV	360.00	150	Vertical	N/A
3	4083.800	46.85	-5.31	74.0	-27.15	Peak	245.00	150	Vertical	Pass
3**	4083.800	37.63	-5.31	54.0	-16.37	AV	245.00	150	Vertical	Pass
4	6686.800	52.52	-0.22	74.0	-21.48	Peak	0.00	150	Vertical	Pass
4**	6686.800	43.78	-0.22	54.0	-10.22	AV	0.00	150	Vertical	Pass
5	11218.487	49.30	-0.20	74.0	-24.70	Peak	9.00	150	Vertical	Pass
5**	11218.487	41.23	-0.20	54.0	-12.77	AV	9.00	150	Vertical	Pass
6	17899.198	54.79	3.70	74.0	-19.21	Peak	89.00	150	Vertical	Pass
6**	17899.198	45.14	3.70	54.0	-8.86	AV	89.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT40 Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1057.100	37.45	-18.52	74.0	-36.55	Peak	84.00	150	Horizontal	Pass
1**	1057.100	34.74	-18.52	54.0	-19.26	AV	84.00	150	Horizontal	Pass
2	2460.200	89.35	-12.75	74.0	15.35	Peak	12.00	150	Horizontal	N/A
2**	2460.200	81.51	-12.75	54.0	27.51	AV	12.00	150	Horizontal	N/A
3	3966.600	46.38	-4.86	74.0	-27.62	Peak	235.00	150	Horizontal	Pass
3**	3966.600	37.52	-4.86	54.0	-16.48	AV	235.00	150	Horizontal	Pass
4	6308.000	52.53	-1.22	74.0	-21.47	Peak	249.00	150	Horizontal	Pass
4**	6308.000	41.98	-1.22	54.0	-12.02	AV	249.00	150	Horizontal	Pass
5	11064.674	49.52	-0.94	74.0	-24.48	Peak	-1.00	150	Horizontal	Pass
5**	11064.674	39.83	-0.94	54.0	-14.17	AV	-1.00	150	Horizontal	Pass
6	17472.375	54.50	2.87	74.0	-19.50	Peak	-1.00	150	Horizontal	Pass
6**	17472.375	45.95	2.87	54.0	-8.05	AV	-1.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT40 Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.600	40.21	-17.26	74.0	-33.79	Peak	325.00	150	Vertical	Pass
1**	1691.600	36.98	-17.26	54.0	-17.02	AV	325.00	150	Vertical	Pass
2	2460.300	95.59	-12.75	74.0	21.59	Peak	78.00	150	Vertical	N/A
2**	2460.300	88.33	-12.75	54.0	34.33	AV	78.00	150	Vertical	N/A
3	4128.800	46.87	-5.26	74.0	-27.13	Peak	66.00	150	Vertical	Pass
3**	4128.800	36.42	-5.26	54.0	-17.58	AV	66.00	150	Vertical	Pass
4	6685.200	51.79	-0.19	74.0	-22.21	Peak	216.00	150	Vertical	Pass
4**	6685.200	44.59	-0.19	54.0	-9.41	AV	216.00	150	Vertical	Pass
5	12086.162	50.31	0.54	74.0	-23.69	Peak	-1.00	150	Vertical	Pass
5**	12086.162	41.10	0.54	54.0	-12.90	AV	-1.00	150	Vertical	Pass
6	17421.713	54.74	3.71	74.0	-19.26	Peak	27.00	150	Vertical	Pass
6**	17421.713	45.68	3.71	54.0	-8.32	AV	27.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H VHT40 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1056.900	37.65	-18.53	74.0	-36.35	Peak	109.00	150	Horizontal	Pass
1**	1056.900	31.70	-18.53	54.0	-22.30	AV	109.00	150	Horizontal	Pass
2	2446.400	81.06	-12.69	74.0	7.06	Peak	172.00	150	Horizontal	N/A
2**	2446.400	74.95	-12.69	54.0	20.95	AV	172.00	150	Horizontal	N/A
3	4240.800	47.20	-4.80	74.0	-26.80	Peak	49.00	150	Horizontal	Pass
3**	4240.800	37.29	-4.80	54.0	-16.71	AV	49.00	150	Horizontal	Pass
4	6604.000	52.07	-0.02	74.0	-21.93	Peak	214.00	150	Horizontal	Pass
4**	6604.000	43.67	-0.02	54.0	-10.33	AV	214.00	150	Horizontal	Pass
5	11373.162	49.90	-0.28	74.0	-24.10	Peak	8.00	150	Horizontal	Pass
5**	11373.162	40.79	-0.28	54.0	-13.21	AV	8.00	150	Horizontal	Pass
6	17475.262	54.86	2.81	74.0	-19.14	Peak	361.00	150	Horizontal	Pass
6**	17475.262	45.68	2.81	54.0	-8.32	AV	361.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V VHT40 Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.600	40.92	-17.26	74.0	-33.08	Peak	338.00	150	Vertical	Pass
1**	1691.600	35.27	-17.26	54.0	-18.73	AV	338.00	150	Vertical	Pass
2	2464.800	88.25	-12.74	74.0	14.25	Peak	76.00	150	Vertical	N/A
2**	2464.800	81.33	-12.74	54.0	27.33	AV	76.00	150	Vertical	N/A
3	4128.600	46.76	-5.26	74.0	-27.24	Peak	49.00	150	Vertical	Pass
3**	4128.600	37.63	-5.26	54.0	-16.37	AV	49.00	150	Vertical	Pass
4	6741.200	52.34	-0.25	74.0	-21.66	Peak	360.00	150	Vertical	Pass
4**	6741.200	43.67	-0.25	54.0	-10.33	AV	360.00	150	Vertical	Pass
5	11247.526	49.65	-0.56	74.0	-24.35	Peak	72.00	150	Vertical	Pass
5**	11247.526	41.22	-0.56	54.0	-12.78	AV	72.00	150	Vertical	Pass
6	17488.126	54.75	2.34	74.0	-19.25	Peak	128.00	150	Vertical	Pass
6**	17488.126	46.33	2.34	54.0	-7.67	AV	128.00	150	Vertical	Pass

Aux. Antenna

1 GHz to 18 GHz, ANT H 802.11b Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.000	37.71	-17.27	74.0	-36.29	Peak	33.00	150	Horizontal	Pass
1**	1691.000	29.47	-17.27	54.0	-24.53	AV	33.00	150	Horizontal	Pass
2	2414.800	97.04	-12.26	74.0	23.04	Peak	113.00	150	Horizontal	N/A
2**	2414.800	93.61	-12.26	54.0	39.61	AV	113.00	150	Horizontal	N/A
3	4824.200	51.00	-3.39	74.0	-23.00	Peak	66.00	150	Horizontal	Pass
3**	4824.200	48.57	-3.39	54.0	-5.43	AV	66.00	150	Horizontal	Pass
4	6978.600	52.66	0.94	74.0	-21.34	Peak	199.00	150	Horizontal	Pass
4**	6978.600	45.04	0.94	54.0	-8.96	AV	199.00	150	Horizontal	Pass
5	12867.075	51.21	1.43	74.0	-22.79	Peak	-3.00	150	Horizontal	Pass
5**	12867.075	41.76	1.43	54.0	-12.24	AV	-3.00	150	Horizontal	Pass
6	17461.613	54.77	2.85	74.0	-19.23	Peak	205.00	150	Horizontal	Pass
6**	17461.613	46.88	2.85	54.0	-7.12	AV	205.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.200	39.76	-17.27	74.0	-34.24	Peak	346.00	150	Vertical	Pass
1**	1691.200	36.56	-17.27	54.0	-17.44	AV	346.00	150	Vertical	Pass
2	2414.800	95.72	-12.26	74.0	21.72	Peak	149.00	150	Vertical	N/A
2**	2414.800	92.51	-12.26	54.0	38.51	AV	149.00	150	Vertical	N/A
3	4824.200	51.47	-3.39	74.0	-22.53	Peak	260.00	150	Vertical	Pass
3**	4824.200	49.88	-3.39	54.0	-4.12	AV	260.00	150	Vertical	Pass
4	6882.000	52.48	-1.39	74.0	-21.52	Peak	200.00	150	Vertical	Pass
4**	6882.000	42.01	-1.39	54.0	-11.99	AV	200.00	150	Vertical	Pass
5	11221.937	49.87	-0.21	74.0	-24.13	Peak	363.00	150	Vertical	Pass
5**	11221.937	40.07	-0.21	54.0	-13.93	AV	363.00	150	Vertical	Pass
6	17468.176	54.59	2.90	74.0	-19.41	Peak	146.00	150	Vertical	Pass
6**	17468.176	47.44	2.90	54.0	-6.56	AV	146.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1894.300	38.98	-16.20	74.0	-35.02	Peak	363.00	150	Horizontal	Pass
1**	1894.300	29.08	-16.20	54.0	-24.92	AV	363.00	150	Horizontal	Pass
2	2419.800	97.34	-12.34	74.0	23.34	Peak	101.00	150	Horizontal	N/A
2**	2419.800	93.85	-12.34	54.0	39.85	AV	101.00	150	Horizontal	N/A
3	4834.200	51.05	-3.48	74.0	-22.95	Peak	335.00	150	Horizontal	Pass
3**	4834.200	48.96	-3.48	54.0	-5.04	AV	335.00	150	Horizontal	Pass
4	6686.400	53.43	-0.21	74.0	-20.57	Peak	290.00	150	Horizontal	Pass
4**	6686.400	44.05	-0.21	54.0	-9.95	AV	290.00	150	Horizontal	Pass
5	12863.662	50.71	1.43	74.0	-23.29	Peak	296.00	150	Horizontal	Pass
5**	12863.662	42.09	1.43	54.0	-11.91	AV	296.00	150	Horizontal	Pass
6	16957.088	54.46	1.91	74.0	-19.54	Peak	116.00	150	Horizontal	Pass
6**	16957.088	44.31	1.91	54.0	-9.69	AV	116.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.500	40.13	-17.27	74.0	-33.87	Peak	349.00	150	Vertical	Pass
1**	1691.500	35.72	-17.27	54.0	-18.28	AV	349.00	150	Vertical	Pass
2	2419.900	96.50	-12.35	74.0	22.50	Peak	151.00	150	Vertical	N/A
2**	2419.900	93.02	-12.35	54.0	39.02	AV	151.00	150	Vertical	N/A
3	4834.200	52.36	-3.48	74.0	-21.64	Peak	250.00	150	Vertical	Pass
3**	4834.200	50.23	-3.48	54.0	-3.77	AV	250.00	150	Vertical	Pass
4	6990.200	52.39	0.17	74.0	-21.61	Peak	278.00	150	Vertical	Pass
4**	6990.200	43.81	0.17	54.0	-10.19	AV	278.00	150	Vertical	Pass
5	12221.575	50.63	1.25	74.0	-23.37	Peak	235.00	150	Vertical	Pass
5**	12221.575	41.00	1.25	54.0	-13.00	AV	235.00	150	Vertical	Pass
6	17462.925	54.28	2.87	74.0	-19.72	Peak	288.00	150	Vertical	Pass
6**	17462.925	45.66	2.87	54.0	-8.34	AV	288.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2076.700	39.96	-14.34	74.0	-34.04	Peak	361.00	150	Horizontal	Pass
1**	2076.700	31.36	-14.34	54.0	-22.64	AV	361.00	150	Horizontal	Pass
2	2439.800	96.48	-12.66	74.0	22.48	Peak	47.00	150	Horizontal	N/A
2**	2439.800	92.93	-12.66	54.0	38.93	AV	47.00	150	Horizontal	N/A
3	4874.000	51.79	-3.34	74.0	-22.21	Peak	336.00	150	Horizontal	Pass
3**	4874.000	48.94	-3.34	54.0	-5.06	AV	336.00	150	Horizontal	Pass
4	6977.800	52.76	0.88	74.0	-21.24	Peak	130.00	150	Horizontal	Pass
4**	6977.800	43.36	0.88	54.0	-10.64	AV	130.00	150	Horizontal	Pass
5	12478.888	51.01	1.62	74.0	-22.99	Peak	363.00	150	Horizontal	Pass
5**	12478.888	40.85	1.62	54.0	-13.15	AV	363.00	150	Horizontal	Pass
6	17430.374	54.85	3.44	74.0	-19.15	Peak	74.00	150	Horizontal	Pass
6**	17430.374	46.33	3.44	54.0	-7.67	AV	74.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.000	40.90	-17.27	74.0	-33.10	Peak	362.00	150	Vertical	Pass
1**	1691.000	34.64	-17.27	54.0	-19.36	AV	362.00	150	Vertical	Pass
2	2439.800	95.67	-12.66	74.0	21.67	Peak	308.00	150	Vertical	N/A
2**	2439.800	92.27	-12.66	54.0	38.27	AV	308.00	150	Vertical	N/A
3	4874.200	52.37	-3.35	74.0	-21.63	Peak	246.00	150	Vertical	Pass
3**	4874.200	51.00	-3.35	54.0	-3.00	AV	246.00	150	Vertical	Pass
4	6687.400	53.42	-0.23	74.0	-20.58	Peak	305.00	150	Vertical	Pass
4**	6687.400	43.33	-0.23	54.0	-10.67	AV	305.00	150	Vertical	Pass
5	11225.388	49.53	-0.23	74.0	-24.47	Peak	54.00	150	Vertical	Pass
5**	11225.388	40.66	-0.23	54.0	-13.34	AV	54.00	150	Vertical	Pass
6	15630.675	53.94	1.68	74.0	-20.06	Peak	-1.00	150	Vertical	Pass
6**	15630.675	43.48	1.68	54.0	-10.52	AV	-1.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1742.900	37.67	-17.10	74.0	-36.33	Peak	361.00	150	Horizontal	Pass
1**	1742.900	28.00	-17.10	54.0	-26.00	AV	361.00	150	Horizontal	Pass
2	2459.900	96.27	-12.75	74.0	22.27	Peak	105.00	150	Horizontal	N/A
2**	2459.900	92.83	-12.75	54.0	38.83	AV	105.00	150	Horizontal	N/A
3	4914.200	51.63	-2.29	74.0	-22.37	Peak	346.00	150	Horizontal	Pass
3**	4914.200	49.04	-2.29	54.0	-4.96	AV	346.00	150	Horizontal	Pass
4	6605.800	52.24	0.10	74.0	-21.76	Peak	313.00	150	Horizontal	Pass
4**	6605.800	43.15	0.10	54.0	-10.85	AV	313.00	150	Horizontal	Pass
5	12560.250	50.60	1.69	74.0	-23.40	Peak	134.00	150	Horizontal	Pass
5**	12560.250	41.02	1.69	54.0	-12.98	AV	134.00	150	Horizontal	Pass
6	17425.650	55.28	3.60	74.0	-18.72	Peak	-1.00	150	Horizontal	Pass
6**	17425.650	46.46	3.60	54.0	-7.54	AV	-1.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.600	41.03	-17.26	74.0	-32.97	Peak	357.00	150	Vertical	Pass
1**	1691.600	35.94	-17.26	54.0	-18.06	AV	357.00	150	Vertical	Pass
2	2459.700	95.24	-12.75	74.0	21.24	Peak	144.00	150	Vertical	N/A
2**	2459.700	92.40	-12.75	54.0	38.40	AV	144.00	150	Vertical	N/A
3	4914.200	53.56	-2.29	74.0	-20.44	Peak	230.00	150	Vertical	Pass
3**	4914.200	50.39	-2.29	54.0	-3.61	AV	230.00	150	Vertical	Pass
4	6693.200	52.39	-0.32	74.0	-21.61	Peak	12.00	150	Vertical	Pass
4**	6693.200	43.97	-0.32	54.0	-10.03	AV	12.00	150	Vertical	Pass
5	12344.337	50.34	1.28	74.0	-23.66	Peak	22.00	150	Vertical	Pass
5**	12344.337	41.25	1.28	54.0	-12.75	AV	22.00	150	Vertical	Pass
6	17449.275	54.37	2.83	74.0	-19.63	Peak	-1.00	150	Vertical	Pass
6**	17449.275	45.10	2.83	54.0	-8.90	AV	-1.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1690.900	37.56	-17.27	74.0	-36.44	Peak	363.00	150	Horizontal	Pass
1**	1690.900	29.79	-17.27	54.0	-24.21	AV	363.00	150	Horizontal	Pass
2	2464.800	96.01	-12.74	74.0	22.01	Peak	95.00	150	Horizontal	N/A
2**	2464.800	92.73	-12.74	54.0	38.73	AV	95.00	150	Horizontal	N/A
3	4924.200	51.47	-2.60	74.0	-22.53	Peak	150.00	150	Horizontal	Pass
3**	4924.200	49.38	-2.60	54.0	-4.62	AV	150.00	150	Horizontal	Pass
4	6733.200	52.74	-0.46	74.0	-21.26	Peak	242.00	150	Horizontal	Pass
4**	6733.200	43.78	-0.46	54.0	-10.22	AV	242.00	150	Horizontal	Pass
5	11503.112	50.33	-0.03	74.0	-23.67	Peak	363.00	150	Horizontal	Pass
5**	11503.112	41.09	-0.03	54.0	-12.91	AV	363.00	150	Horizontal	Pass
6	17426.698	54.79	3.56	74.0	-19.21	Peak	254.00	150	Horizontal	Pass
6**	17426.698	46.91	3.56	54.0	-7.09	AV	254.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 11

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.700	39.99	-17.26	74.0	-34.01	Peak	0.00	150	Vertical	Pass
1**	1691.700	34.62	-17.26	54.0	-19.38	AV	0.00	150	Vertical	Pass
2	2464.800	95.57	-12.74	74.0	21.57	Peak	214.00	150	Vertical	N/A
2**	2464.800	92.05	-12.74	54.0	38.05	AV	214.00	150	Vertical	N/A
3	4924.200	53.80	-2.60	74.0	-20.20	Peak	218.00	150	Vertical	Pass
3**	4924.200	49.84	-2.60	54.0	-4.16	AV	218.00	150	Vertical	Pass
4	6679.400	52.75	-0.54	74.0	-21.25	Peak	156.00	150	Vertical	Pass
4**	6679.400	42.95	-0.54	54.0	-11.05	AV	156.00	150	Vertical	Pass
5	12597.625	50.66	1.84	74.0	-23.34	Peak	96.00	150	Vertical	Pass
5**	12597.625	41.50	1.84	54.0	-12.50	AV	96.00	150	Vertical	Pass
6	17412.786	54.77	3.55	74.0	-19.23	Peak	243.00	150	Vertical	Pass
6**	17412.786	45.54	3.55	54.0	-8.46	AV	243.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.600	37.55	-17.26	74.0	-36.45	Peak	-1.00	150	Horizontal	Pass
1**	1691.600	28.94	-17.26	54.0	-25.06	AV	-1.00	150	Horizontal	Pass
2	2469.900	96.17	-12.56	74.0	22.17	Peak	102.00	150	Horizontal	N/A
2**	2469.900	92.65	-12.56	54.0	38.65	AV	102.00	150	Horizontal	N/A
3	4934.200	51.63	-2.88	74.0	-22.37	Peak	14.00	150	Horizontal	Pass
3**	4934.200	48.87	-2.88	54.0	-5.13	AV	14.00	150	Horizontal	Pass
4	6685.000	52.47	-0.21	74.0	-21.53	Peak	322.00	150	Horizontal	Pass
4**	6685.000	44.06	-0.21	54.0	-9.94	AV	322.00	150	Horizontal	Pass
5	13412.287	51.46	0.46	74.0	-22.54	Peak	353.00	150	Horizontal	Pass
5**	13412.287	41.52	0.46	54.0	-12.48	AV	353.00	150	Horizontal	Pass
6	17424.599	54.52	3.63	74.0	-19.48	Peak	263.00	150	Horizontal	Pass
6**	17424.599	45.67	3.63	54.0	-8.33	AV	263.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 12

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.500	41.93	-17.27	74.0	-32.07	Peak	-1.00	150	Vertical	Pass
1**	1691.500	36.76	-17.27	54.0	-17.24	AV	-1.00	150	Vertical	Pass
2	2469.800	95.29	-12.56	74.0	21.29	Peak	298.00	150	Vertical	N/A
2**	2469.800	91.54	-12.56	54.0	37.54	AV	298.00	150	Vertical	N/A
3	4934.200	52.20	-2.88	74.0	-21.80	Peak	238.00	150	Vertical	Pass
3**	4934.200	50.22	-2.88	54.0	-3.78	AV	238.00	150	Vertical	Pass
4	6993.400	52.71	0.31	74.0	-21.29	Peak	342.00	150	Vertical	Pass
4**	6993.400	44.15	0.31	54.0	-9.85	AV	342.00	150	Vertical	Pass
5	12274.763	50.19	1.61	74.0	-23.81	Peak	269.00	150	Vertical	Pass
5**	12274.763	41.69	1.61	54.0	-12.31	AV	269.00	150	Vertical	Pass
6	17474.738	55.04	2.82	74.0	-18.96	Peak	66.00	150	Vertical	Pass
6**	17474.738	46.04	2.82	54.0	-7.96	AV	66.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1827.200	38.54	-16.60	74.0	-35.46	Peak	0.00	150	Horizontal	Pass
1**	1827.200	29.95	-16.60	54.0	-24.05	AV	0.00	150	Horizontal	Pass
2	2474.800	96.35	-12.44	74.0	22.35	Peak	100.00	150	Horizontal	N/A
2**	2474.800	92.28	-12.44	54.0	38.28	AV	100.00	150	Horizontal	N/A
3	4944.000	51.20	-3.22	74.0	-22.80	Peak	127.00	150	Horizontal	Pass
3**	4944.000	47.88	-3.22	54.0	-6.12	AV	127.00	150	Horizontal	Pass
4	6984.800	52.66	0.55	74.0	-21.34	Peak	0.00	150	Horizontal	Pass
4**	6984.800	43.49	0.55	54.0	-10.51	AV	0.00	150	Horizontal	Pass
5	13170.525	51.03	1.77	74.0	-22.97	Peak	153.00	150	Horizontal	Pass
5**	13170.525	42.34	1.77	54.0	-11.66	AV	153.00	150	Horizontal	Pass
6	17416.724	54.87	3.68	74.0	-19.13	Peak	88.00	150	Horizontal	Pass
6**	17416.724	45.96	3.68	54.0	-8.04	AV	88.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Channel 13

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.300	40.49	-17.27	74.0	-33.51	Peak	330.00	150	Vertical	Pass
1**	1691.300	36.16	-17.27	54.0	-17.84	AV	330.00	150	Vertical	Pass
2	2474.800	95.47	-12.44	74.0	21.47	Peak	293.00	150	Vertical	N/A
2**	2474.800	92.09	-12.44	54.0	38.09	AV	293.00	150	Vertical	N/A
3	4944.200	51.62	-3.22	74.0	-22.38	Peak	247.00	150	Vertical	Pass
3**	4944.200	49.75	-3.22	54.0	-4.25	AV	247.00	150	Vertical	Pass
4	6609.200	52.04	0.14	74.0	-21.96	Peak	247.00	150	Vertical	Pass
4**	6609.200	43.62	0.14	54.0	-10.38	AV	247.00	150	Vertical	Pass
5	12309.838	50.80	1.37	74.0	-23.20	Peak	145.00	150	Vertical	Pass
5**	12309.838	41.02	1.37	54.0	-12.98	AV	145.00	150	Vertical	Pass
6	17421.187	54.46	3.72	74.0	-19.54	Peak	333.00	150	Vertical	Pass
6**	17421.187	45.38	3.72	54.0	-8.62	AV	333.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1880.500	38.12	-16.35	74.0	-35.88	Peak	-2.00	150	Horizontal	Pass
1**	1880.500	28.46	-16.35	54.0	-25.54	AV	-2.00	150	Horizontal	Pass
2	2417.900	100.24	-12.25	74.0	26.24	Peak	56.00	150	Horizontal	N/A
2**	2417.900	93.65	-12.25	54.0	39.65	AV	56.00	150	Horizontal	N/A
3	4827.800	52.98	-3.39	74.0	-21.02	Peak	9.00	150	Horizontal	Pass
3**	4827.800	43.38	-3.39	54.0	-10.62	AV	9.00	150	Horizontal	Pass
4	6747.800	52.35	-0.54	74.0	-21.65	Peak	271.00	150	Horizontal	Pass
4**	6747.800	44.01	-0.54	54.0	-9.99	AV	271.00	150	Horizontal	Pass
5	12582.963	50.80	1.62	74.0	-23.20	Peak	226.00	150	Horizontal	Pass
5**	12582.963	41.54	1.62	54.0	-12.46	AV	226.00	150	Horizontal	Pass
6	17456.364	55.08	2.84	74.0	-18.92	Peak	363.00	150	Horizontal	Pass
6**	17456.364	45.44	2.84	54.0	-8.56	AV	363.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 1

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1690.900	39.63	-17.27	74.0	-34.37	Peak	323.00	150	Vertical	Pass
1**	1690.900	34.23	-17.27	54.0	-19.77	AV	323.00	150	Vertical	Pass
2	2419.100	100.35	-12.29	74.0	26.35	Peak	144.00	150	Vertical	N/A
2**	2419.100	93.33	-12.29	54.0	39.33	AV	144.00	150	Vertical	N/A
3	4824.000	51.45	-3.38	74.0	-22.55	Peak	265.00	150	Vertical	Pass
3**	4824.000	47.96	-3.38	54.0	-6.04	AV	265.00	150	Vertical	Pass
4	6693.600	52.58	-0.33	74.0	-21.42	Peak	111.00	150	Vertical	Pass
4**	6693.600	43.88	-0.33	54.0	-10.12	AV	111.00	150	Vertical	Pass
5	12563.700	50.55	1.70	74.0	-23.45	Peak	-3.00	150	Vertical	Pass
5**	12563.700	41.31	1.70	54.0	-12.69	AV	-3.00	150	Vertical	Pass
6	17475.262	54.27	2.81	74.0	-19.73	Peak	361.00	150	Vertical	Pass
6**	17475.262	45.47	2.81	54.0	-8.53	AV	361.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1847.800	38.82	-16.55	74.0	-35.18	Peak	360.00	150	Horizontal	Pass
1**	1847.800	28.53	-16.55	54.0	-25.47	AV	360.00	150	Horizontal	Pass
2	2412.400	100.61	-12.26	74.0	26.61	Peak	136.00	150	Horizontal	N/A
2**	2412.400	92.20	-12.26	54.0	38.20	AV	136.00	150	Horizontal	N/A
3	4837.400	51.96	-3.37	74.0	-22.04	Peak	12.00	150	Horizontal	Pass
3**	4837.400	49.51	-3.37	54.0	-4.49	AV	12.00	150	Horizontal	Pass
4	6272.000	52.28	-0.25	74.0	-21.72	Peak	225.00	150	Horizontal	Pass
4**	6272.000	43.82	-0.25	54.0	-10.18	AV	225.00	150	Horizontal	Pass
5	11954.487	50.45	1.19	74.0	-23.55	Peak	60.00	150	Horizontal	Pass
5**	11954.487	40.39	1.19	54.0	-13.61	AV	60.00	150	Horizontal	Pass
6	17476.313	54.52	2.80	74.0	-19.48	Peak	261.00	150	Horizontal	Pass
6**	17476.313	46.72	2.80	54.0	-7.28	AV	261.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 2

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.500	40.74	-17.27	74.0	-33.26	Peak	318.00	150	Vertical	Pass
1**	1691.500	36.01	-17.27	54.0	-17.99	AV	318.00	150	Vertical	Pass
2	2411.300	100.17	-12.25	74.0	26.17	Peak	360.00	150	Vertical	N/A
2**	2411.300	93.45	-12.25	54.0	39.45	AV	360.00	150	Vertical	N/A
3	4835.800	54.56	-3.43	74.0	-19.44	Peak	280.00	150	Vertical	Pass
3**	4835.800	49.57	-3.43	54.0	-4.43	AV	280.00	150	Vertical	Pass
4	6611.400	52.35	0.19	74.0	-21.65	Peak	313.00	150	Vertical	Pass
4**	6611.400	43.02	0.19	54.0	-10.98	AV	313.00	150	Vertical	Pass
5	12107.437	50.87	0.59	74.0	-23.13	Peak	292.00	150	Vertical	Pass
5**	12107.437	42.18	0.59	54.0	-11.82	AV	292.00	150	Vertical	Pass
6	17620.949	54.14	2.09	74.0	-19.86	Peak	297.00	150	Vertical	Pass
6**	17620.949	44.81	2.09	54.0	-9.19	AV	297.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1811.900	38.19	-16.64	74.0	-35.81	Peak	319.00	150	Horizontal	Pass
1**	1811.900	28.75	-16.64	54.0	-25.25	AV	319.00	150	Horizontal	Pass
2	2432.300	100.36	-12.84	74.0	26.36	Peak	74.00	150	Horizontal	N/A
2**	2432.300	92.12	-12.84	54.0	38.12	AV	74.00	150	Horizontal	N/A
3	4872.600	54.44	-3.29	74.0	-19.56	Peak	357.00	150	Horizontal	Pass
3**	4872.600	44.43	-3.29	54.0	-9.57	AV	357.00	150	Horizontal	Pass
4	6600.400	52.84	-0.42	74.0	-21.16	Peak	121.00	150	Horizontal	Pass
4**	6600.400	42.73	-0.42	54.0	-11.27	AV	121.00	150	Horizontal	Pass
5	13400.212	50.81	0.53	74.0	-23.19	Peak	250.00	150	Horizontal	Pass
5**	13400.212	41.46	0.53	54.0	-12.54	AV	250.00	150	Horizontal	Pass
6	17425.388	54.63	3.61	74.0	-19.37	Peak	288.00	150	Horizontal	Pass
6**	17425.388	45.54	3.61	54.0	-8.46	AV	288.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 6

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.100	40.75	-17.27	74.0	-33.25	Peak	-1.00	150	Vertical	Pass
1**	1691.100	34.21	-17.27	54.0	-19.79	AV	-1.00	150	Vertical	Pass
2	2432.200	100.12	-12.83	74.0	26.12	Peak	298.00	150	Vertical	N/A
2**	2432.200	92.22	-12.83	54.0	38.22	AV	298.00	150	Vertical	N/A
3	4877.200	53.09	-3.45	74.0	-20.91	Peak	270.00	150	Vertical	Pass
3**	4877.200	44.68	-3.45	54.0	-9.32	AV	270.00	150	Vertical	Pass
4	6964.000	52.59	0.35	74.0	-21.41	Peak	95.00	150	Vertical	Pass
4**	6964.000	42.91	0.35	54.0	-11.09	AV	95.00	150	Vertical	Pass
5	11946.724	50.72	1.49	74.0	-23.28	Peak	-3.00	150	Vertical	Pass
5**	11946.724	41.66	1.49	54.0	-12.34	AV	-3.00	150	Vertical	Pass
6	16910.887	54.08	1.09	74.0	-19.92	Peak	307.00	150	Vertical	Pass
6**	16910.887	45.66	1.09	54.0	-8.34	AV	307.00	150	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1746.300	38.08	-17.11	74.0	-35.92	Peak	360.00	150	Horizontal	Pass
1**	1746.300	28.02	-17.11	54.0	-25.98	AV	360.00	150	Horizontal	Pass
2	2449.500	99.75	-12.59	74.0	25.75	Peak	289.00	150	Horizontal	N/A
2**	2449.500	92.82	-12.59	54.0	38.82	AV	289.00	150	Horizontal	N/A
3	4917.800	53.68	-2.27	74.0	-20.32	Peak	360.00	150	Horizontal	Pass
3**	4917.800	48.95	-2.27	54.0	-5.05	AV	360.00	150	Horizontal	Pass
4	6979.800	52.94	0.80	74.0	-21.06	Peak	360.00	150	Horizontal	Pass
4**	6979.800	44.42	0.80	54.0	-9.58	AV	360.00	150	Horizontal	Pass
5	12740.225	50.95	1.29	74.0	-23.05	Peak	319.00	150	Horizontal	Pass
5**	12740.225	40.72	1.29	54.0	-13.28	AV	319.00	150	Horizontal	Pass
6	17513.849	54.49	2.17	74.0	-19.51	Peak	363.00	150	Horizontal	Pass
6**	17513.849	46.70	2.17	54.0	-7.30	AV	363.00	150	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Channel 10

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1691.300	40.21	-17.27	74.0	-33.79	Peak	331.00	150	Vertical	Pass
1**	1691.300	36.22	-17.27	54.0	-17.78	AV	331.00	150	Vertical	Pass
2	2452.200	99.73	-12.67	74.0	25.73	Peak	360.00	150	Vertical	N/A
2**	2452.200	92.72	-12.67	54.0	38.72	AV	360.00	150	Vertical	N/A
3	4913.000	52.04	-2.22	74.0	-21.96	Peak	260.00	150	Vertical	Pass
3**	4913.000	50.28	-2.22	54.0	-3.72	AV	260.00	150	Vertical	Pass
4	6604.600	52.69	0.02	74.0	-21.31	Peak	212.00	150	Vertical	Pass
4**	6604.600	43.56	0.02	54.0	-10.44	AV	212.00	150	Vertical	Pass
5	11964.838	50.82	0.86	74.0	-23.18	Peak	21.00	150	Vertical	Pass
5**	11964.838	42.31	0.86	54.0	-11.69	AV	21.00	150	Vertical	Pass
6	17456.099	54.10	2.84	74.0	-19.90	Peak	363.00	150	Vertical	Pass
6**	17456.099	46.66	2.84	54.0	-7.34	AV	363.00	150	Vertical	Pass