TEST REPORT

Report No.:	8225EU012303W3
Applicant:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Address:	Bld.2,Yingfeng Industrial Zone,Tantou Community, Songgang Street, Baoan, Shenzhen, China
Product Name:	Android Tablet
Model No.:	WA1383T (refer to clause 2.4)
Trademark:	N/A
FCC ID:	2ABC5-E0053
Test Standard(s):	47 CFR Part 15 Subpart C
Date of Receipt:	Jan. 22, 2024
Test Date:	Jan. 22, 2024 – Feb. 02, 2024
Date of Issue:	Feb. 17, 2024

ISSUED BY:

SHENZHEN EU TESTING LABORATORY LIMITED

SHENZHEN EU TESTING LABORATORY LIMITED APPROVED

Prepared by:

Mikey Zhu/ Engineer

Reviewed and Approved by:

Sally Zhang/ Manager

Revision Record

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V0	Feb. 17, 2024	Original	Valid

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Website: www.eu-test.com
Tel: (86)-755-2357-9714 Email: Service@eu-test.com

Table of Contents

1 COVER PAGE 1
2 GENERAL INFORMATION 5
2.1 APPLICANT INFORMATION 5
2.2 MANUFACTURER INFORMATION 5
2.3 FACTORY INFORMATION 5
2.4 GENERAL DESCRIPTION OF E.U.T. 5
2.5 TECHNICAL INFORMATION OF E.U.T. 6
3 TEST SUMMARY 8
3.1 TEST STANDARD 8
3.2 TEST VERDICT 8
3.3 TEST LABORATORY 8
4 TEST CONFIGURATION 9
4.1 TEST ENVIRONMENT 9
4.2 TEST EQUIPMENT 9
4.3 DESCRIPTION OF SUPPORT UNIT 10
4.4 TEST MODE 10
4.5 MEASUREMENT UNCERTAINTY 10
4.6 DEVIATION FROM STANDARDS 10
4.7 ABNORMALITIES FROM STANDARD CONDITION 10
5 TEST ITEMS 11
5.1 ANTENNA REQUIREMENT 11
5.1.1 Test Requirement 11
5.1.2 Antenna Anti-Replacement Construction 11
5.1.3 Antenna Gain 11
5.2 CONDUCTED EMISSION AT AC POWER LINE 12
5.2.1 Test Requirement 12
5.2.2 Test Setup Diagram 12
5.2.3 Test Procedure 12
5.2.4 Test Data 12
5.3 DTS BANDWIDTH 15
5.3.1 Test Requirement 15
5.3.2 Test Setup Diagram 15
5.3.3 Test Procedure 15
5.3.4 Test Data 15
5.4 MAXIMUM CONDUCTED OUTPUT POWER 16
5.4.1 Test Requirement 16
5.4.2 Test Setup Diagram 16
5.4.3 Test Procedure 17
5.4.4 Test Data 17
5.5 POWER SPECTRAL DENSITY 18
5.5.1 Test Requirement 18
5.5.2 Test Setup Diagram 18
5.5.3 Test Procedure 18
5.5.4 Test Data 18
5.6 EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS (CONDUCTED) 19
5.6.1 Test Requirement 19
5.6.2 Test Setup Diagram 19
5.6.3 Test Procedure 20
5.6.4 Test Data 20
5.7 BAND EDGE EMISSIONS (RESTRICTED FREQUENCY BANDS) 21

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Website: www.eu-test.com
Tel: (86)-755-2357-9714 Email: Service@eu-test.com

5.7.1 Test Requirement 21
5.7.2 Test Setup Diagram 21
5.7.3 Test Procedure 22
5.7.4 Test Data 22
5.8 RADIATED SPURIOUS EMISSIONS 26
5.8.1 Test Requirement 26
5.8.2 Test Setup Diagram 27
5.8.3 Test Procedure 28
5.8.4 Test Data 28
ANNEX A TEST SETUP PHOTOS 34
ANNEX B EXTERNAL PHOTOS 34
ANNEX C INTERNAL PHOTOS 34
ANNEX D TEST DATA 34

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Website: www.eu-test.com
Tel: (86)-755-2357-9714 Email: Service@eu-test.com

2 General Information

2.1 Applicant Information

Applicant	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Address	Bld.2,Yingfeng Industrial Zone,Tantou Community, Songgang Street, Baoan, Shenzhen, China

2.2 Manufacturer Information

Manufacturer	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Address	Bld.2,Yingfeng Industrial Zone,Tantou Community, Songgang Street, Baoan, Shenzhen, China

2.3 Factory Information

Factory	SHENZHEN ELECTRON TECHNOLOGY CO., LTD.
Address	Bld.2, Yingfeng Industrial Zone, TantouComunity, Songgang Street, Bao'an, Shenzhen, China.

2.4 General Description of E.U.T.

Product Name	Android Tablet
Model No. Under Test	WA1383T
List Model No.	WA1033T, WA1583T
Description of Model differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in model name and appearance size. (this information provided by the customer)
Rating(s)	Input: 12V⎓2.0A (Adapter Input: 100-240V~, 50/60Hz, 0.6A Max.; Output: 12V⎓2.0A) 3VDC(Power Supplied by CR2032*1)
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Test Sample No.	-1/1(Normal Sample)
Hardware Version	R70-V2.1A
Software Version	N/A
Remark	For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

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2.5 Technical Information of E.U.T.

Network and Wireless Connectivity	Bluetooth (BDR+EDR+BLE) WiFi 2.4G: 802.11b, 802.11g, 802.11n(HT20) WiFi 5G: 802.11a, 802.11n(HT20/40), 802.11ac(VHT20/40/80) U-NII-1/3, NFC, RFID

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

Technology	**WiFi 2.4G**			
Operation Mode	☒ b	☒ g	☒ n(HT20)	☐ n(HT40)
	☐ ac(VHT20)	☐ ac(VHT40)	☐ ax(HEW20)	☐ ax(HEW40)
Operating Frequency	802.11b/g/n(HT20): 2412MHz to 2462MHz			
Number of Channels	802.11b/g/n(HT20): 11 Channels			
Modulation Technology	DSSS, OFDM			
Modulation Type	802.11b: DSSS(CCK, DQPSK, DBPSK); 802.11g: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11n(HT20): OFDM (BPSK, QPSK, 16QAM, 64QAM)			
Antenna System (eg., MIMO, Smart Antenna)	N/A			
Categorization as Correlated or Completely Uncorrelated	N/A			
Antenna Type	FPC Antenna			
Antenna Gain	4.13 dBi			

All channels were listed on the following table:

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

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Modulation technology	Modulation Type	Transfer Rate (Mbps)(Single RF path)
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-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

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
Conducted Emission at AC Power Line	11b/11g/11n20	1/6/6.5Mbps	1/6/11
DTS Bandwidth	11b/11g/11n20	1/6/6.5Mbps	1/6/11
Maximum Conducted Output Power	11b/11g/11n20	1/6/6.5Mbps	1/6/11
Power spectral density (PSD)	11b/11g/11n20	1/6/6.5Mbps	1/6/11
Emission in non-restricted frequency bands (Conducted)	11b/11g/11n20	1/6/6.5Mbps	1/6/11
Band Edge Emissions (Restricted frequency bands)	11b/11g/11n20	1/6/6.5Mbps	1/6/11
Radiated Spurious Emission	11b/11g/11n20	1/6/6.5Mbps	1/6/11

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

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3 Test Summary

3.1 Test Standard

The tests were performed according to following standards:

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Intentional radiators of radio frequency equipment
2	ANSI C63.10-2020	American National Standard for Testing Unlicensed Wireless Devices
3	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

Remark:
Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

3.2 Test Verdict

No.	Description	FCC Part No.	Verdict	Remark
1	Antenna Requirement	15.203	Pass	--
2	Conducted Emission at AC Power Line	15.207	Pass	--
3	DTS Bandwidth	15.247(a)(2)	Pass	--
4	Maximum Conducted Output Power	15.247(b)(3)	Pass	--
5	Power spectral density (PSD)	15.247(e)	Pass	--
6	Emission in non-restricted frequency bands (Conducted)	15.247(d)	Pass	--
7	Band Edge Emissions (Restricted frequency bands)	15.247(d)	Pass	--
8	Radiated Spurious Emission	15.247(d)	Pass	--

3.3 Test Laboratory

Test Laboratory	Shenzhen EU Testing Laboratory Limited
Address	101, Bldg. B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Designation Number	CN1368
Test Firm Registration Number	952583

4 Test Configuration

4.1 Test Environment

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

Relative Humidity	30% to 60%	
Atmospheric Pressure	86 kPa to 106 kPa	
Temperature	NT (Normal Temperature)	+15℃ to +35℃
Working Voltage of the EUT	NV (Normal Voltage)	AC 120V, 60Hz for adapter

4.2 Test Equipment

Conducted Emission at AC power line					
Equipment	**Manufacturer**	**Model No**	**Serial No**	**Cal. Date**	**Cal. Due Date**
L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	EE-004	2024/01/09	2025/01/08
EMI Test Receiver	Rohde & Schwarz	ESCI	EE-005	2024/01/09	2025/01/08
Test Software	Ferrari Technology	EZ-EMC	EE-014	N.C.R	N.C.R

Radiated Emission and RF Test					
Equipment	**Manufacturer**	**Model No**	**Serial No**	**Cal Date**	**Cal Due Date**
EMI Test Receiver	ROHDE & SCHWARZ	ESPI	EE-006	2024/01/09	2025/01/08
Bilog Broadband Antenna	SCHWARZBECK	VULB 9163	EE-007	2023/01/14	2026/01/09
Double Ridged Horn Antenna	A-INFOMW	LB-10180-NF	EE-008	2023/01/12	2026/01/09
Pre-amplifier	Agilent	8447D	EE-009	2024/01/09	2025/01/08
Pre-amplifier	Agilent	8449B	EE-010	2024/01/09	2025/01/08
MXA Signal Analyzer	Agilent	N9020A	EE-011	2024/01/09	2025/01/08
MXG RF Vector Signal Generator	Agilent	N5182A	EE-012	2023/01/10	1 Year
Test Software	Farad	EZ-EMC	EE-015	N.C.R	N.C.R
MIMO Power Measurement Module	TSTPASS	TSPS 2023R	EE-016	2023/05/17	2024/05/16
RF Test Software	TSTPASS	TS32893 V2.0	EE-017	N.C.R	N.C.R
Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW500	EE-402	2023/02/16	2024/02/15
Loop Antenna	TESEQ	HLA6121	EE-403	2023/02/16	2024/02/15
MXG RF Analog Signal Generator	Agilent	N5181A	EE-406	2023/02/16	2024/02/15
Constant Temperature Humidity Chamber	Guangxin	GXP-401	ES-002	2023/07/31	2024/07/30

4.3 Description of Support Unit

No.	Title	Manufacturer	Model No.	Serial No.
1	Adapter	SHENZHEN FUJIAAPPLIANCE CO., LTD	FJ-SW126G1202000U	--
2	Notebook	ASUS	N/A	--

4.4 Test Mode

No.	Test Modes	Description
TM1	802.11b mode	Keep the EUT in 802.11b transmitting mode.
TM2	802.11g mode	Keep the EUT in 802.11g transmitting mode.
TM3	802.11n(HT20) mode	Keep the EUT in 802.11n(HT20) transmitting mode.

4.5 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.

Test Item	Measurement Uncertainty
Conducted Emission	2.64 dB
Occupied Channel Bandwidth	2.8 %
RF output power, conducted	0.68 dB
Power Spectral Density, conducted	1.37 dB
Unwanted Emissions, conducted	1.84 dB
Radiated Emission (30MHz- 1GHz)	Ur = 2.70 dB (Horizontal)
	Ur = 2.70 dB (Vertical)
Radiated Emission (1GHz- 18GHz)	Ur = 3.50 dB (Horizontal)
	Ur = 3.50 dB (Vertical)
Radiated Emission (18GHz- 40GHz)	Ur = 5.15 dB (Horizontal)
	Ur = 5.24 dB (Vertical)
Temperature	0.8°C
Humidity	4%

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Condition

None.

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5 Test Items

5.1 Antenna requirement

5.1.1 Test Requirement

Test Requirement	According to FCC §15.203, 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:

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.

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5.2 Conducted Emission at AC Power Line

5.2.1 Test Requirement

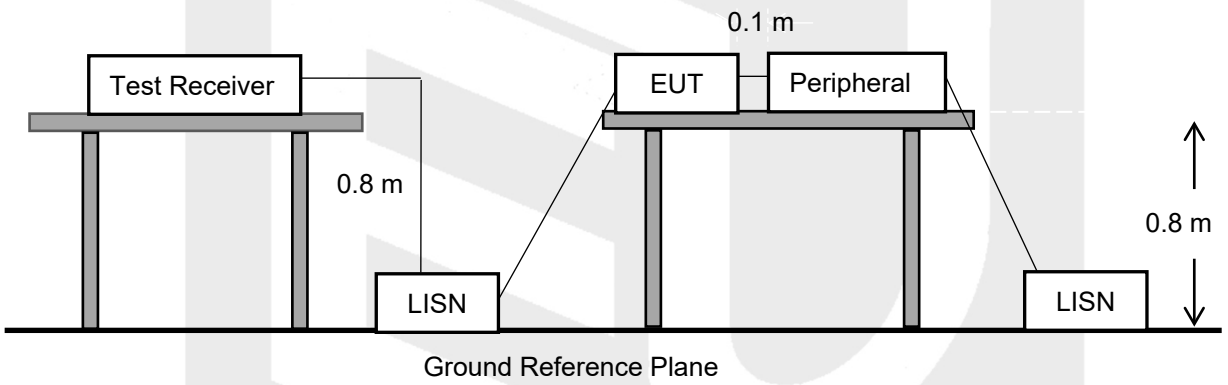
Test Requirement	Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN).
Test Limit	

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

Test Method	ANSI C63.10-2020 section 6.2

5.2.2 Test Setup Diagram



5.2.3 Test Procedure

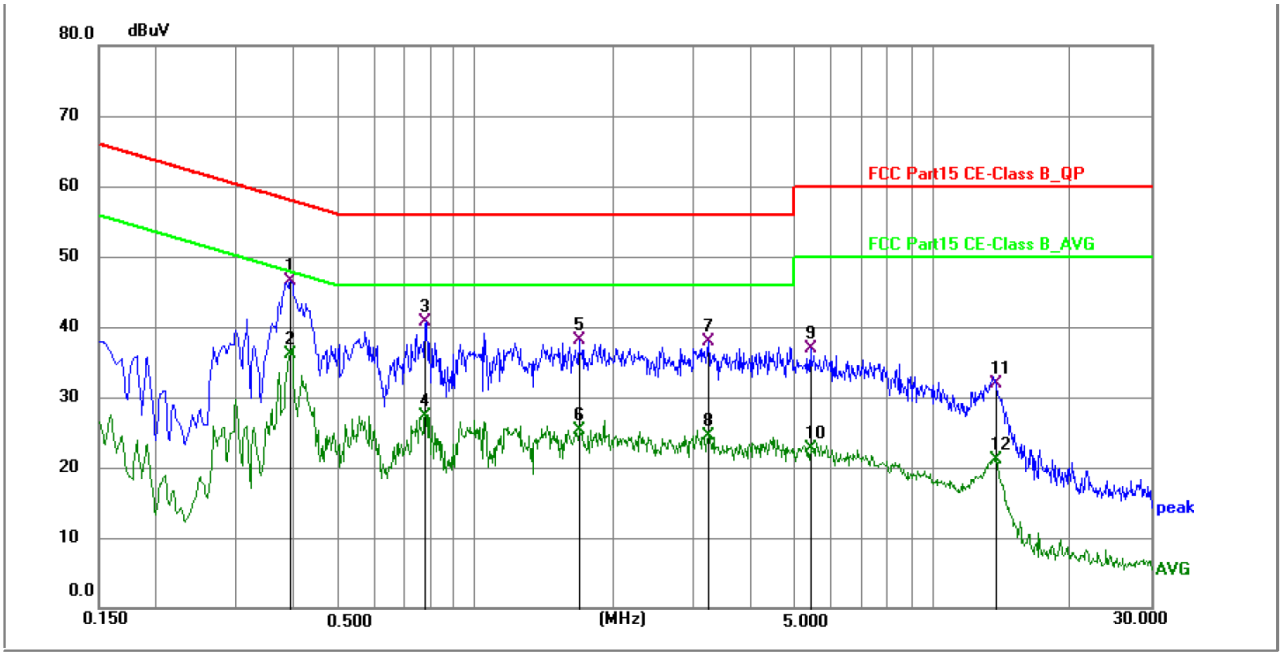
The EUT is put on the plane 0.8 m high above the ground by insulating support and connected to the AC mains through Line Impedance Stability Network (L.I.S.N). This provided a 50ohm coupling impedance for the tested equipment. Both sides of AC line are investigated to find out the maximum conducted emission according to the test standard regulations during conducted emission measurement.
The bandwidth of the field strength meter (R&S Test Receiver ESCI) is set at 9kHz in 150kHz~30MHz.
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.

5.2.4 Test Data

PASS.
All modes have been tested and Pass. Only the worst case data was showed in the report, please to see the following pages.

Conducted Emission Test Data

Test Site:	Shielded Room #1
Test Mode:	TM1/ CH Middle
Comments:	Live Line

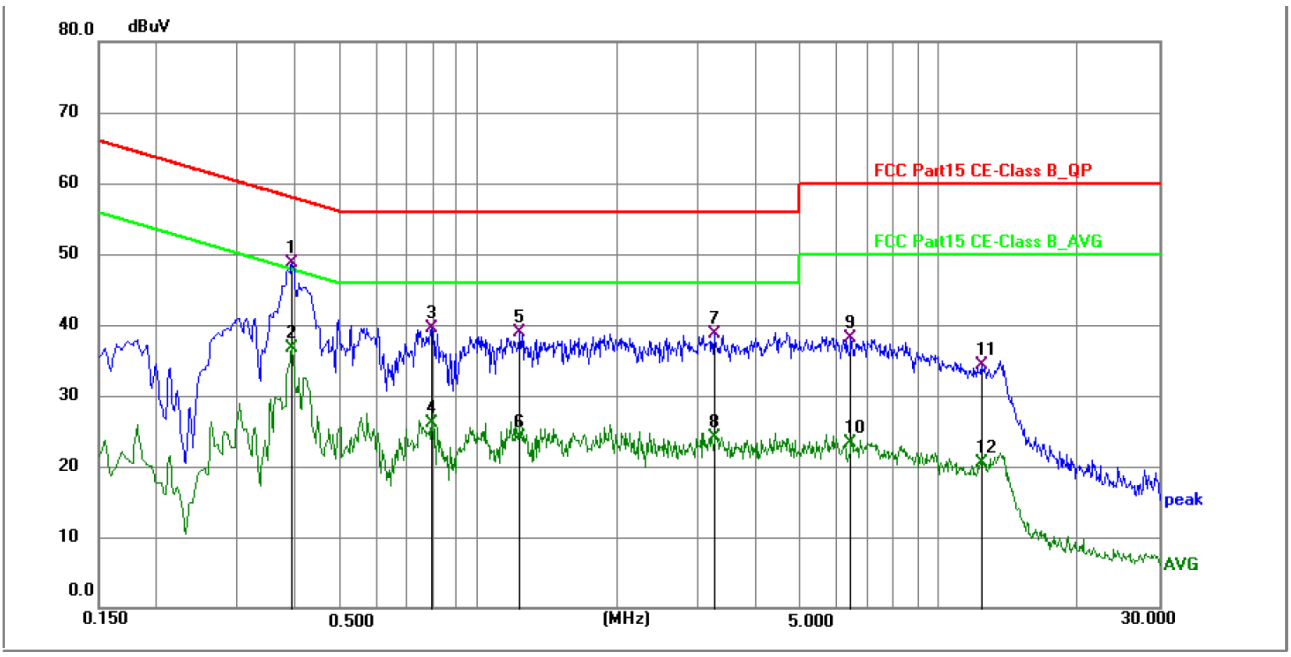


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.3930	36.63	9.95	46.58	58.00	-11.42	QP	P	
2	0.3930	26.14	9.95	36.09	48.00	-11.91	AVG	P	
3	0.7799	30.75	9.99	40.74	56.00	-15.26	QP	P	
4	0.7799	17.39	9.99	27.38	46.00	-18.62	AVG	P	
5	1.6845	28.15	10.00	38.15	56.00	-17.85	QP	P	
6	1.6845	15.31	10.00	25.31	46.00	-20.69	AVG	P	
7	3.2280	27.86	10.02	37.88	56.00	-18.12	QP	P	
8	3.2280	14.51	10.02	24.53	46.00	-21.47	AVG	P	
9	5.4060	26.89	10.00	36.89	60.00	-23.11	QP	P	
10	5.4060	12.67	10.00	22.67	50.00	-27.33	AVG	P	
11	13.7985	21.83	10.02	31.85	60.00	-28.15	QP	P	
12	13.7985	11.10	10.02	21.12	50.00	-28.88	AVG	P	

Note: Level = Reading + Factor Margin = Level - Limit

Conducted Emission Test Data

Test Site:	Shielded Room #1
Test Mode:	TM1/ CH Middle
Comments:	Neutral Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.3930	38.72	9.98	48.70	58.00	-9.30	QP	P	
2	0.3930	26.63	9.98	36.61	48.00	-11.39	AVG	P	
3	0.7935	29.44	10.02	39.46	56.00	-16.54	QP	P	
4	0.7935	16.15	10.02	26.17	46.00	-19.83	AVG	P	
5	1.2300	28.89	10.03	38.92	56.00	-17.08	QP	P	
6	1.2300	14.10	10.03	24.13	46.00	-21.87	AVG	P	
7	3.2415	28.62	10.01	38.63	56.00	-17.37	QP	P	
8	3.2415	14.02	10.01	24.03	46.00	-21.97	AVG	P	
9	6.4500	27.99	10.03	38.02	60.00	-21.98	QP	P	
10	6.4500	13.22	10.03	23.25	50.00	-26.75	AVG	P	
11	12.3315	24.16	10.05	34.21	60.00	-25.79	QP	P	
12	12.3315	10.41	10.05	20.46	50.00	-29.54	AVG	P	

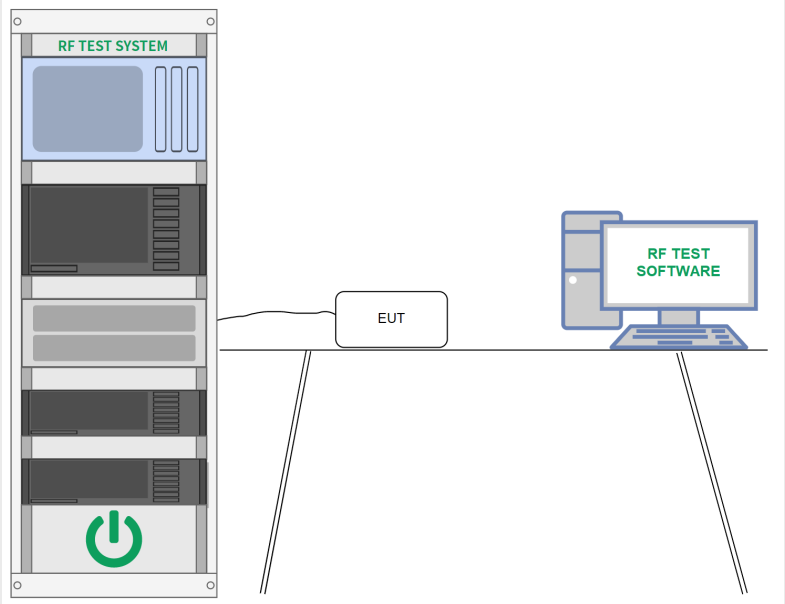
Note: Level = Reading + Factor Margin = Level - Limit

5.3 DTS Bandwidth

5.3.1 Test Requirement

Test Requirement	Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Limit	Section (a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method	ANSI C63.10-2020 section 11.8

5.3.2 Test Setup Diagram



5.3.3 Test Procedure

a) Set RBW = 100 kHz.
b) Set the VBW >= [3 × RBW].
c) Detector = peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) 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 Data

PASS.

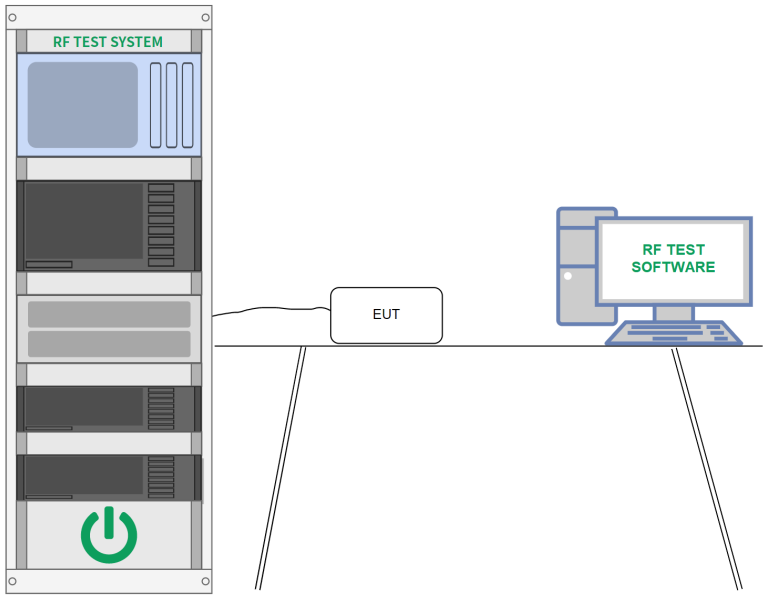
Please refer to Annex D for details.

5.4 Maximum Conducted Output Power

5.4.1 Test Requirement

Test Requirement	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. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Limit	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. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method	ANSI C63.10-2020 section 11.9

5.4.2 Test Setup Diagram



5.4.3 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.)

5.4.4 Test Data

PASS.

Please refer to Annex D for details.

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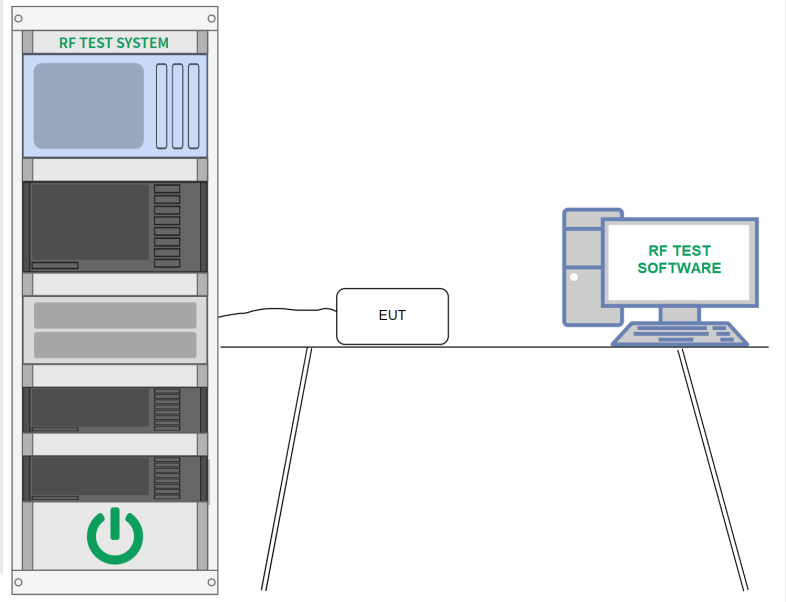
5.5 Power Spectral Density

5.5.1 Test Requirement

Test Requirement	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Limit	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method	ANSI C63.10-2020 section 11.10

5.5.2 Test Setup Diagram



5.5.3 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 ⩽ RBW ⩽ 100 kHz.
Set the VBW ⩾ 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.

5.5.4 Test Data

PASS.

Please refer to Annex D for details.

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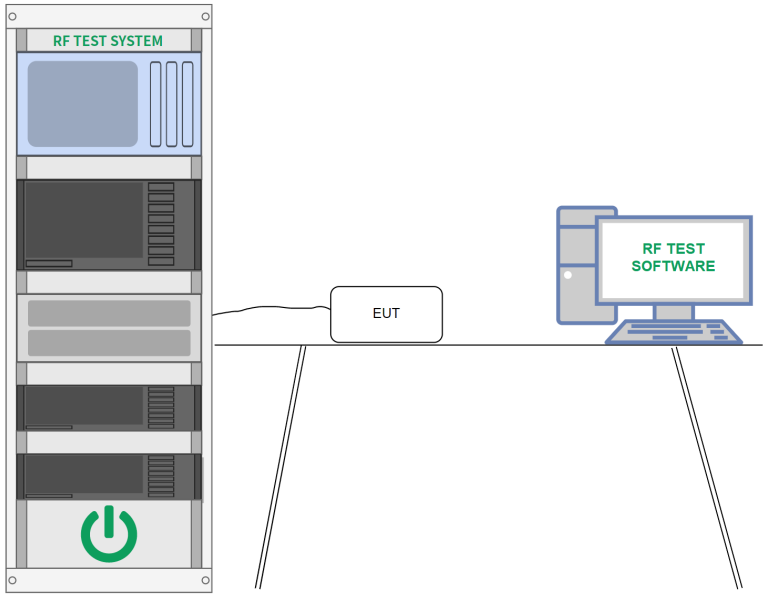
5.6 Emissions in Non-restricted Frequency Bands (Conducted)

5.6.1 Test Requirement

Test Requirement	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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Limit	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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method	ANSI C63.10-2020 section 11.11

5.6.2 Test Setup Diagram



5.6.3 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 ⩾ 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 ⩾ 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.

5.6.4 Test Data

PASS.

Please refer to Annex D for details.

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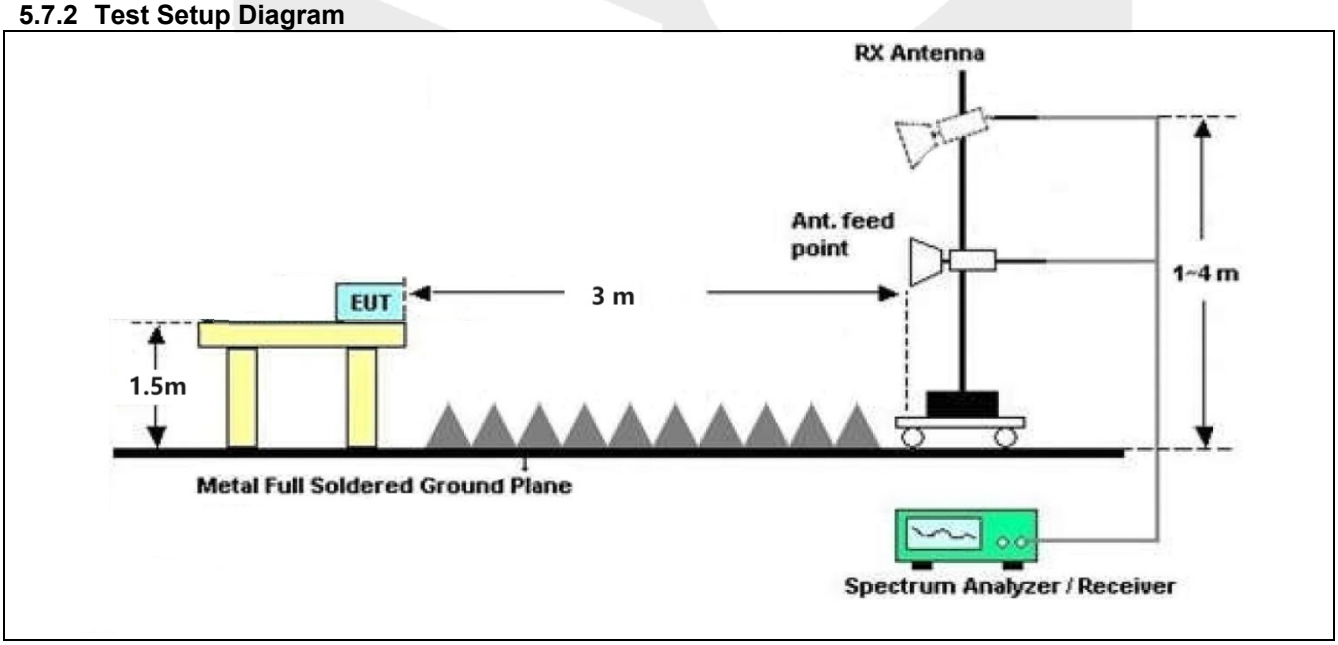
5.7 Band edge Emissions (Restricted frequency bands)

5.7.1 Test Requirement

<table>
<tr><td>Test Requirement</td><td>In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).</td></tr>
<tr><td>Test Limit</td><td>
<table>
<tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr>
<tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705-30.0</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100 **</td><td>3</td></tr>
<tr><td>88-216</td><td>150 **</td><td>3</td></tr>
<tr><td>216-960</td><td>200 **</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
Note:
1) Field Strength (dBμV/m) = 20*log[Field Strength (μV/m)].
2) In the emission tables above, the tighter limit applies at the band edges.
3) 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.
4) For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).
</td></tr>
<tr><td>Test Method</td><td>ANSI C63.10-2020 section 11.12</td></tr>
</table>

5.7.2 Test Setup Diagram



5.7.3 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.

5.7.4 Test Data

PASS.

Please refer to the following pages.

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Band Edge Emissions (Restricted frequency bands):

Test Mode: 802.11b					CH Low: 2412 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
H	2310.00	44.51	-2.81	41.70	74.00	-32.30	PK	PASS
H	2390.00	46.49	-2.69	43.80	74.00	-30.20	PK	PASS
H	**2400.00	63.55	-2.68	60.87	74.00	-13.13	PK	PASS
V	2310.00	43.48	-2.81	40.67	74.00	-33.33	PK	PASS
V	2390.00	45.90	-2.69	43.21	74.00	-30.79	PK	PASS
V	**2400.00	63.66	-2.68	60.98	74.00	-13.02	PK	PASS
H	2310.00	34.58	-2.81	31.77	54.00	-22.23	AV	PASS
H	2390.00	36.00	-2.69	33.31	54.00	-20.69	AV	PASS
H	**2400.00	49.23	-2.68	46.55	54.00	-7.45	AV	PASS
V	2310.00	34.92	-2.81	32.11	54.00	-21.89	AV	PASS
V	2390.00	36.83	-2.69	34.14	54.00	-19.86	AV	PASS
V	**2400.00	49.49	-2.68	46.81	54.00	-7.19	AV	PASS

Test Mode: 802.11b					CH High: 2462 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
H	**2483.50	49.50	-2.56	46.94	74.00	-27.06	PK	PASS
H	2500.00	50.62	-2.54	48.08	74.00	-25.92	PK	PASS
V	**2483.50	48.76	-2.56	46.20	74.00	-27.80	PK	PASS
V	2500.00	50.02	-2.54	47.48	74.00	-26.52	PK	PASS
H	**2483.50	38.13	-2.56	35.57	54.00	-18.43	AV	PASS
H	2500.00	42.34	-2.54	39.80	54.00	-14.20	AV	PASS
V	**2483.50	36.65	-2.56	34.09	54.00	-19.91	AV	PASS
V	2500.00	41.10	-2.54	38.56	54.00	-15.44	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.

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Band Edge Emissions (Restricted frequency bands):

Test Mode: 802.11g					CH Low: 2412 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
H	2310.00	45.90	-2.81	43.09	74.00	-30.91	PK	PASS
H	2390.00	48.40	-2.69	45.71	74.00	-28.29	PK	PASS
H	**2400.00	62.03	-2.68	59.35	74.00	-14.65	PK	PASS
V	2310.00	43.57	-2.81	40.76	74.00	-33.24	PK	PASS
V	2390.00	47.99	-2.69	45.30	74.00	-28.70	PK	PASS
V	**2400.00	62.42	-2.68	59.74	74.00	-14.26	PK	PASS
H	2310.00	31.94	-2.81	29.13	54.00	-24.87	AV	PASS
H	2390.00	36.30	-2.69	33.61	54.00	-20.39	AV	PASS
H	**2400.00	47.65	-2.68	44.97	54.00	-9.03	AV	PASS
V	2310.00	32.40	-2.81	29.59	54.00	-24.41	AV	PASS
V	2390.00	37.68	-2.69	34.99	54.00	-19.01	AV	PASS
V	**2400.00	48.26	-2.68	45.58	54.00	-8.42	AV	PASS

Test Mode: 802.11g					CH High: 2462 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
H	**2483.50	48.32	-2.56	45.76	74.00	-28.24	PK	PASS
H	2500.00	50.44	-2.54	47.90	74.00	-26.10	PK	PASS
V	**2483.50	49.25	-2.56	46.69	74.00	-27.31	PK	PASS
V	2500.00	50.81	-2.54	48.27	74.00	-25.73	PK	PASS
H	**2483.50	39.23	-2.56	36.67	54.00	-17.33	AV	PASS
H	2500.00	42.37	-2.54	39.83	54.00	-14.17	AV	PASS
V	**2483.50	36.72	-2.56	34.16	54.00	-19.84	AV	PASS
V	2500.00	42.36	-2.54	39.82	54.00	-14.18	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.

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Band Edge Emissions (Restricted frequency bands):

Test Mode: 802.11n(HT20)					CH Low: 2412 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
H	2310.00	43.33	-2.81	40.52	74.00	-33.48	PK	PASS
H	2390.00	47.77	-2.69	45.08	74.00	-28.92	PK	PASS
H	**2400.00	61.47	-2.68	58.79	74.00	-15.21	PK	PASS
V	2310.00	45.23	-2.81	42.42	74.00	-31.58	PK	PASS
V	2390.00	48.54	-2.69	45.85	74.00	-28.15	PK	PASS
V	**2400.00	64.67	-2.68	61.99	74.00	-12.01	PK	PASS
H	2310.00	35.23	-2.81	32.42	54.00	-21.58	AV	PASS
H	2390.00	37.25	-2.69	34.56	54.00	-19.44	AV	PASS
H	**2400.00	49.32	-2.68	46.64	54.00	-7.36	AV	PASS
V	2310.00	34.34	-2.81	31.53	54.00	-22.47	AV	PASS
V	2390.00	36.92	-2.69	34.23	54.00	-19.77	AV	PASS
V	**2400.00	48.41	-2.68	45.73	54.00	-8.27	AV	PASS

Test Mode: 802.11n(HT20)					CH High: 2462 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
H	**2483.50	48.46	-2.56	45.90	74.00	-28.10	PK	PASS
H	2500.00	49.64	-2.54	47.10	74.00	-26.90	PK	PASS
V	**2483.50	49.91	-2.56	47.35	74.00	-26.65	PK	PASS
V	2500.00	50.06	-2.54	47.52	74.00	-26.48	PK	PASS
H	**2483.50	36.60	-2.56	34.04	54.00	-19.96	AV	PASS
H	2500.00	41.56	-2.54	39.02	54.00	-14.98	AV	PASS
V	**2483.50	39.19	-2.56	36.63	54.00	-17.37	AV	PASS
V	2500.00	38.52	-2.54	35.98	54.00	-18.02	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.

5.8 Radiated Spurious Emissions

5.8.1 Test Requirement

<table>
<tr><td>Test Requirement</td><td>In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).</td></tr>
<tr><td>Test Limit</td><td>
<table>
<tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr>
<tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705-30.0</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100 **</td><td>3</td></tr>
<tr><td>88-216</td><td>150 **</td><td>3</td></tr>
<tr><td>216-960</td><td>200 **</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
Note:
1) Field Strength (dBμV/m) = 20*log[Field Strength (μV/m)].
2) In the emission tables above, the tighter limit applies at the band edges.
3) 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.
4) For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).
</td></tr>
<tr><td>Test Method</td><td>ANSI C63.10-2020 section 6.6.4</td></tr>
</table>

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5.8.2 Test Setup Diagram

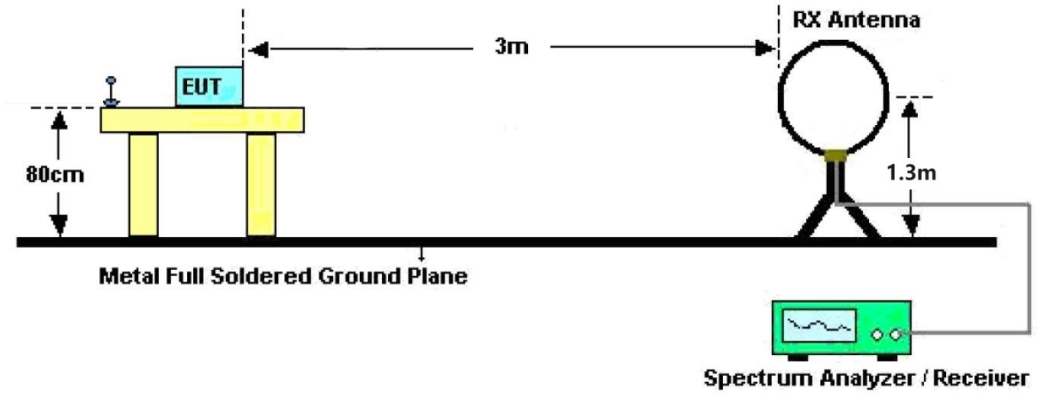

Figure 1. Below 30MHz

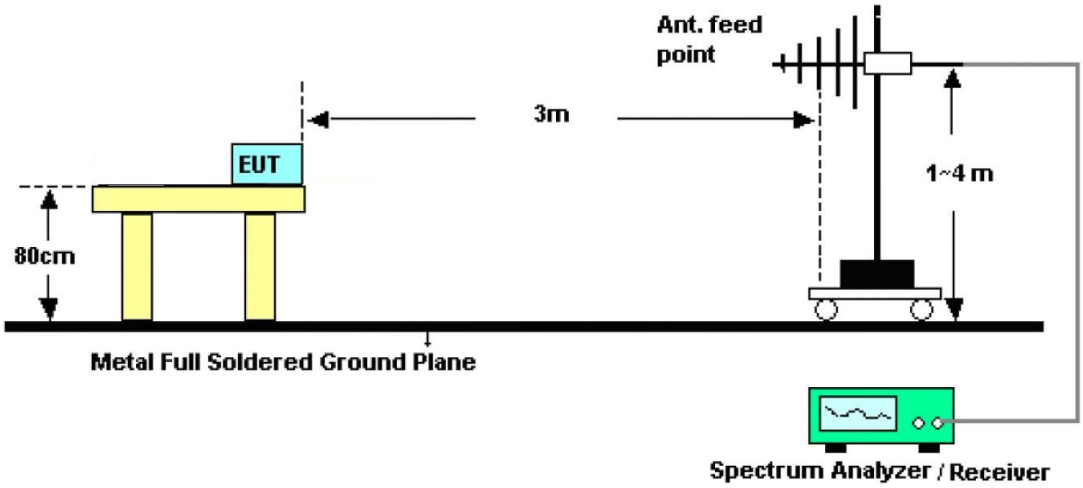

Figure 2. 30MHz to 1GHz

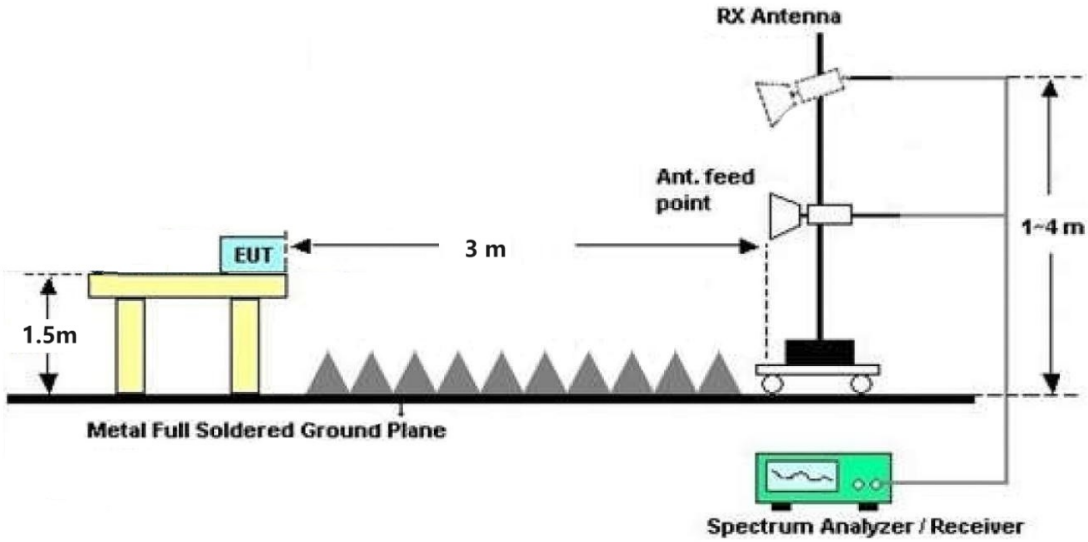

Figure 3. Above 1 GHz

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
For 9kHz to 150kHz, Set the spectrum analyzer as:
RBW = 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:
RBW = 9KHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:
RBW = 100kHz, VBW =300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For above 1GHz, Set the spectrum analyzer as:
RBW =1MHz, VBW =1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple.
RBW =1MHz, VBW =10Hz, Detector= Average, Trace mode= Max hold, Sweep- auto couple.

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.

5.8.4 Test Data

PASS.
Please to see the following pages.

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

For test of 30MHz-1GHz, during the test, pre-scan all modes, only the worst case is recorded in the report.
For test of 1GHz- 25GHz, during the test, pre-scan all test modes, and found the 802.11g is worse case, the report only record this mode.

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Radiated Emission Test Data (30-1000MHz)

Test Site:	**966 Chamber #1**	**Polarization:**	**Horizontal**
Distance:	**3m**	**Test Mode:**	**TM2/ CH Middle**

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	31.2893	36.38	-16.94	19.44	40.00	-20.56	QP	P	
2	98.4866	41.80	-15.66	26.14	43.50	-17.36	QP	P	
3	160.3456	42.58	-17.67	24.91	43.50	-18.59	QP	P	
4	408.9460	46.56	-9.97	36.59	46.00	-9.41	QP	P	
5	601.4265	37.58	-6.40	31.18	46.00	-14.82	QP	P	
6 *	875.2470	44.08	-2.44	41.64	46.00	-4.36	QP	P	

Note: Level = Reading + Factor **Margin = Level - Limit**

Radiated Emission Test Data (30-1000MHz)

Test Site:	**966 Chamber #1**	**Polarization:**	**Vertical**
Distance:	**3m**	**Test Mode:**	**TM2/ CH Middle**

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	50.4089	41.07	-14.14	26.93	40.00	-13.07	QP	P	
2	87.1117	48.07	-17.97	30.10	40.00	-9.90	QP	P	
3	119.8556	43.51	-16.55	26.96	43.50	-16.54	QP	P	
4	163.7550	48.12	-17.42	30.70	43.50	-12.80	QP	P	
5	443.2943	43.26	-9.49	33.77	46.00	-12.23	QP	P	
6 *	875.2470	40.59	-2.65	37.94	46.00	-8.06	QP	P	

Note: Level = Reading + Factor **Margin = Level - Limit**

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Radiated Spurious Emission (1GHz-25GHz)

Test Mode: 802.11g					CH Low: 2412 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4824.38	40.14	4.74	44.88	74.00	-29.12	PK	PASS
V	7236.08	33.48	9.84	43.32	74.00	-30.68	PK	PASS
V	9648.41	29.47	13.18	42.65	74.00	-31.35	PK	PASS
V	12060.99	*	*	*	74.00	*	PK	PASS
V	14472.84	*	*	*	74.00	*	PK	PASS
V	16884.74	*	*	*	74.00	*	PK	PASS
H	4824.43	40.80	4.74	45.54	74.00	-28.46	PK	PASS
H	7236.53	33.90	9.84	43.74	74.00	-30.26	PK	PASS
H	9648.18	30.29	13.18	43.47	74.00	-30.53	PK	PASS
H	12060.54	*	*	*	74.00	*	PK	PASS
H	14472.19	*	*	*	74.00	*	PK	PASS
H	16884.02	*	*	*	74.00	*	PK	PASS
V	4824.84	32.62	4.74	37.36	54.00	-16.64	AV	PASS
V	7236.90	24.77	9.84	34.61	54.00	-19.40	AV	PASS
V	9648.50	18.24	13.18	31.42	54.00	-22.59	AV	PASS
V	12060.34	*	*	*	54.00	*	AV	PASS
V	14472.08	*	*	*	54.00	*	AV	PASS
V	16884.85	*	*	*	54.00	*	AV	PASS
H	4824.19	32.10	4.74	36.84	54.00	-17.17	AV	PASS
H	7236.53	24.41	9.84	34.25	54.00	-19.76	AV	PASS
H	9648.18	19.39	13.18	32.57	54.00	-21.44	AV	PASS
H	12060.54	*	*	*	54.00	*	AV	PASS
H	14472.19	*	*	*	54.00	*	AV	PASS
H	16884.02	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

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Radiated Spurious Emission (1GHz-25GHz)

Test Mode: 802.11g					CH Middle: 2437 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4874.12	41.22	4.90	46.12	74.00	-27.89	PK	PASS
V	7311.58	33.34	9.83	43.17	74.00	-30.83	PK	PASS
V	9748.15	29.84	13.21	43.05	74.00	-30.96	PK	PASS
V	12185.69	*	*	*	74.00	*	PK	PASS
V	14622.05	*	*	*	74.00	*	PK	PASS
V	17059.24	*	*	*	74.00	*	PK	PASS
H	4874.65	42.56	4.90	47.46	74.00	-26.54	PK	PASS
H	7311.63	35.44	9.83	45.27	74.00	-28.74	PK	PASS
H	9748.89	28.37	13.21	41.58	74.00	-32.43	PK	PASS
H	12185.07	*	*	*	74.00	*	PK	PASS
H	14622.52	*	*	*	74.00	*	PK	PASS
H	17059.06	*	*	*	74.00	*	PK	PASS
V	4874.64	32.23	4.90	37.13	54.00	-16.88	AV	PASS
V	7311.32	24.91	9.83	34.74	54.00	-19.27	AV	PASS
V	9748.80	18.30	13.21	31.51	54.00	-22.50	AV	PASS
V	12185.85	*	*	*	54.00	*	AV	PASS
V	14622.36	*	*	*	54.00	*	AV	PASS
V	17059.99	*	*	*	54.00	*	AV	PASS
H	4874.65	32.45	4.90	37.35	54.00	-16.65	AV	PASS
H	7311.63	24.02	9.83	33.85	54.00	-20.16	AV	PASS
H	9748.89	19.34	13.21	32.55	54.00	-21.46	AV	PASS
H	12185.07	*	*	*	54.00	*	AV	PASS
H	14622.52	*	*	*	54.00	*	AV	PASS
H	17059.06	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

Radiated Spurious Emission (1GHz-25GHz)

Test Mode: 802.11g					CH High: 2462 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
V	4924.37	42.68	5.05	47.73	74.00	-26.27	PK	PASS
V	7386.93	35.32	9.83	45.15	74.00	-28.86	PK	PASS
V	9848.44	29.14	13.24	42.38	74.00	-31.62	PK	PASS
V	12310.59	*	*	*	74.00	*	PK	PASS
V	14772.50	*	*	*	74.00	*	PK	PASS
V	17234.68	*	*	*	74.00	*	PK	PASS
H	4924.61	42.16	5.05	47.21	74.00	-26.80	PK	PASS
H	7386.30	34.61	9.83	44.44	74.00	-29.56	PK	PASS
H	9848.44	30.72	13.24	43.96	74.00	-30.05	PK	PASS
H	12310.09	*	*	*	74.00	*	PK	PASS
H	14772.65	*	*	*	74.00	*	PK	PASS
H	17235.00	*	*	*	74.00	*	PK	PASS
V	4924.68	31.29	5.05	36.34	54.00	-17.66	AV	PASS
V	7386.52	22.38	9.83	32.21	54.00	-21.80	AV	PASS
V	9848.35	17.77	13.24	31.01	54.00	-23.00	AV	PASS
V	12310.31	*	*	*	54.00	*	AV	PASS
V	14772.03	*	*	*	54.00	*	AV	PASS
V	17234.37	*	*	*	54.00	*	AV	PASS
H	4924.61	31.72	5.05	36.77	54.00	-17.23	AV	PASS
H	7386.30	24.02	9.83	33.85	54.00	-20.15	AV	PASS
H	9848.44	19.49	13.24	32.73	54.00	-21.28	AV	PASS
H	12310.09	*	*	*	54.00	*	AV	PASS
H	14772.65	*	*	*	54.00	*	AV	PASS
H	17235.00	*	*	*	54.00	*	AV	PASS

Remark:
1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.
2. “*” means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

ANNEX A TEST SETUP PHOTOS

Please refer to the document “8225EU012303W-AA.PDF”

ANNEX B EXTERNAL PHOTOS

Please refer to the document “8225EU012303W-AB.PDF”

ANNEX C INTERNAL PHOTOS

Please refer to the document “8225EU012303W-AC.PDF”

ANNEX D TEST DATA

Please refer to the document “8225EU012303W-AF.PDF”

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