

Report No.: KSCR220200021001

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TEST REPORT

Application No.: KSCR2202000210AT **FCC ID:** 2ADTD-MCC206W

Applicant:Hangzhou Hikvision Digital Technology Co.,Ltd.Address of Applicant:No. 555, Qianmo Road, Binjiang District,Hangzhou.Manufacturer:Hangzhou Hikvision Digital Technology Co.,Ltd.Address of Manufacturer:No. 555, Qianmo Road, Binjiang District,Hangzhou.

Factory: 1. Hangzhou Hikvision Technology Co., Ltd.

2. Hangzhou Hikvision Electronics Co., Ltd.

3. Hangzhou Hikvision Digital Technology Co., Ltd.

4. Chongqing Hikvision technology Co.,LTD

Address of Factory: 1. No.700, Dongliu Road, Binjiang District, Hangzhou Ctiy, Zhejiang, 310052,

China;

2.No.299, Qiushi Road, Tonglu Economic Development Zone, Tonglu

County, Hangzhou, Zhejiang, 310052, China

3.No.555 Qianmo Road, Binjiang District, Hangzhou 310052, China 4.NO.118.Haikang Road,Area C,Jianqiao Industrial Park,Dadukou

District, Chongqing, 401325, China.

Equipment Under Test (EUT):

EUT Name: Body Camera

Model No.: DS-MCC206:DS-MCC216*

Please refer to section 2 of this report which indicates which model was

actually tested and which were electrically identical.

Standard(s): 47 CFR Part 15, Subpart C 15.247

Date of Receipt: 2022-02-17

Date of Test: 2022-02-28 to 2022-03-14

Date of Issue: 2022-03-23

Test Result: Pass*

Eric Lin EMC Laboratory Manager

Jose fri



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^{*} In the configuration tested, the EUT complied with the standards specified above.



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	Revision Record					
Version	Version Chapter Date Modifier Remark					
01		2022-03-23		Original		

Authorized for issue by:		
	Michael Nich	
	Micheal_Niu/Project Engineer	-
	Eria fri	
	Eric Lin/Reviewer	-



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2 Test Summary

Radio Spectrum Technical Requirement				
Item Standard Method Requirement Resul				
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass

Radio Spectrum Matter Part					
Item	Standard	FCC Requirement	Method	Result	
Minimum 6dB		47 CFR Part 15, Subpart		Pass	
Bandwidth	Subpart C 15.247	C 15.247a(2)	Section 11.8.1	rass	
Conducted Average	47 CFR Part 15,	47 CFR Part 15, Subpart	ANSI C63.10 (2013)	Pass	
Output Power	Subpart C 15.247	C 15.247(b)(3)	Section 11.9.2	F 455	
Power Spectrum	47 CFR Part 15,	47 CFR Part 15, Subpart	ANSI C63.10 (2013)	Pass	
Density	Subpart C 15.247	C 15.247(e)	Section 11.10.2	F 455	
Conducted Band Edges	47 CFR Part 15,	47 CFR Part 15, Subpart	ANSI C63.10 (2013)	Pass	
Measurement	Subpart C 15.247	C 15.247(d)	Section 11.13.3.2	F 455	
Conducted Spurious	47 CFR Part 15,	47 CFR Part 15, Subpart	ANSI C63.10 (2013)	Pass	
Emissions	Subpart C 15.247	C 15.247(d)	Section 11.11	Fa55	
Radiated Emissions	47 CFR Part 15,	47 CFR Part 15, Subpart	ANSI C63.10 (2013)		
which fall in the	Subpart C 15.247	C 15.209 & 15.247(d)	Section 6.10.5	Pass	
restricted bands		0 10.200 & 10.247 (d)	555ti6i1 6.16.5		
Radiated Spurious		47 CFR Part 15, Subpart		Pass	
Emissions	Subpart C 15.247	C 15.209 & 15.247(d)	Section 6.4,6.5,6.6	1 433	

Declaration of EUT Family Grouping:

Note: There are series models mentioned in this report, and they are the Identical in electrical and electronic characters. Only the model DS-MCC206 was tested since their differences were the model number and appearance.



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3	Test Setup Diagram



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 3.87V by Rechargeable Li-ion Polymer Batter
	Mode:682947
	Rated Voltage:3.87V
	Rated Capacity: 1550mAh/5.9985Wh
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz
Madulation Type	802.11b: DSSS (CCK, DQPSK, DBPSK);
Modulation Type:	802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Number of Channels:	802.11b/g/n(HT20):11
Channel Spacing:	5MHz
Antenna Type:	PIFA Antenna
Antenna Gain:	4.5dBi (Provided by the manufacturer)

4.2 Power level setting using in test:

Channel	802.11b	802.11g	802.11n(HT20)
	Ant 1	Ant 1	Ant 1
1	default	default	default
6	default	default	default
11	default	default	default

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
SecureCRT	VanDyke	V 6.2.0	1
Serial port adapter plate	/	Test Plate 3	/
PC	DELL	CNFFLNR	27538032206



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4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 10 ⁻⁸
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
0	DE Dadieted Deves	5.2dB (Below 1GHz)
8	RF Radiated Power	5.9dB (Above 1GHz)
		4.2dB (Below 30MHz)
0	Dadieted Courieus Fraissies Test	4.5dB (30MHz-1GHz)
9	Radiated Spurious Emission Test	5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

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



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4.5 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L4354)

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 2541.01)

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

• FCC (Designation Number: CN1172)

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory.

Designation Number: CN1172.

• ISED (CAB identifier: CN0072)

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 2324E

VCCI (Member No.: 1938)
 The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services

(Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Item	Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal. Due Date
	ducted Emission at Mains Terminals (150					
1	EMI Test Receive	R&S	ESCI	100781	01/22/2022	01/21/2023
2	LISN	R&S	ENV216	101604	10/12/2021	10/11/2022
3	LISN	Schwarzbeck	NNLK 8129	8129-143	10/12/2021	10/11/2022
4	Pulse Limiter	R&S	ESH3-Z2	100609	01/22/2022	01/21/2023
5	CE test Cable	Thermax	1	14	10/16/2021	10/15/2022
6	Test Software	Faratronic	EZ-EMC	CCS-03A1	N.C.R	N.C.R
	Conducted Test	1				
1	Spectrum Analyzer	Agilent	E4446A	MY44020154	04/16/2021	04/15/2022
2	Spectrum Analyzer	Keysight	N9020A	MY55370209	10/11/2021	10/10/2022
4	Signal Generator	Agilent	N5182A	MY50142015	08/27/2021	08/26/2022
5	Spectrum Analyzer	Keysight	N9030B	MY61330164	01/22/2022	01/21/2023
6	Vector Signal Generator	R&S	SMW200A	110074	10/12/2021	10/11/2022
7	Radio Communication Test Station	Anritsu	MT8000A	6262012849	09/23/2021	09/22/2022
8	Radio Communication Analyzer	Anritsu	MT8821C	6201692222	09/23/2021	09/22/2022
9	Universal Radio Communication Tester	R&S	CMW500	159275	10/12/2021	10/11/2022
10	Universal Radio Communication Tester	R&S	CMW500	167239	04/16/2021	04/15/2022
11	Power Meter	Anritsu	ML2495A	1445010	04/15/2021	04/14/2022
12	Switcher	CCSRF	FY562	KUS2001M001-3	10/12/2021	10/11/2022
13	AC Power Source	EXTECH	6605	1570106	N.C.R	N.C.R
14	DC Power Supply	Aglient	E3632A	MY50340053	N.C.R	N.C.R
15	6dB Attenuator	Mini-Circuits	NAT-6-2W	15542-1	N.C.R	N.C.R
16	Power Divider	AISI	IOWOPE2068	PE2068	N.C.R	N.C.R
17	Filter	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
18	Conducted Test Cable	1	RF01-RF04	/	04/15/2021	04/14/2022
19	Software	BST	TST-PASS	N/A	N/A	N/A
20	Temp. / Humidity Chamber	TERCHY	MHK-120AK	X30109	04/15/2021	04/14/2022
21	Thermometer	Anymetre	TH603	CCS007	10/14/2021	10/13/2022
RF R	adiated Test					
1	Spectrum Analyzer	R&S	FSV40	101493	10/11/2021	10/10/2022
2	Signal Generator	Agilent	E8257C	MY43321570	10/18/2021	10/17/2022
3	Loop Antenna	Com-Power	AL-130R	10160008	04/13/2021	04/12/2023
4	Bilog Antenna	TESEQ	CBL 6112D	35403	06/21/2021	06/20/2023
5	Bilog Antenna	SCHWARZBECK	VULB9160	9160-3342	04/13/2021	04/12/2023
6	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	267	10/26/2020	10/25/2022
7	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	00143290	02/22/2021	02/21/2023
8	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	BBHA9170171	02/20/2022	02/19/2023
9	Pre-Amplifier(30MHz~18GHz)	LNA	/	/	04/15/2021	04/14/2022
10	Amplifier(18~40GHz)	COM-POWER	PAM-840A	461332	10/18/2021	10/17/2022
11	Low Pass Filter	MICRO-TRONICS	VLFX-950	RV142900829	N.C.R	N.C.R
12	High Pass Filter	Mini-Circuits	VHF-1200	15542	N.C.R	N.C.R
13	Filter (5450MHz~5770 MHz)	MICRO-TRONICS	BRC50704-01	2	N.C.R	N.C.R
14	Filter (5690 MHz~5930 MHz)	MICRO-TRONICS	BRC50705-01	4	N.C.R	N.C.R
15	Filter (5150 MHz~5350 MHz)	MICRO-TRONICS	BRC50703-01		N.C.R	N.C.R
15	Filter (5150 MHZ~5350 MHz)	MICRO-FRONICS	BRC50703-01	2	N.C.R	N.C.R



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16	Filter (885 MHz~915 MHz)	MICRO-TRONICS	BRM14698	1	N.C.R	N.C.R
17	Filter (815 MHz~860 MHz)	MICRO-TRONICS	BRM14697	1	N.C.R	N.C.R
18	Filter (1745 MHz \sim 1910 MHz)	MICRO-TRONICS	BRM14700	1	N.C.R	N.C.R
19	Filter (1922 MHz \sim 1977 MHz)	MICRO-TRONICS	BRM50715	1	N.C.R	N.C.R
20	Filter (2550 MHz)	MICRO-TRONICS	HPM13362	5	N.C.R	N.C.R
21	Filter (1532 MHz \sim 1845 MHz)	MICRO-TRONICS	BRM50713	1	N.C.R	N.C.R
22	Filter (2.4GHz)	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
23	RE test cable	1	RE01-RE04	1	04/15/2021	04/14/2022
24	Software	Faratronic	EZ_EMC	N/A	N/A	N/A



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

Standard Requirement:

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, 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.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is PIFA antenna and no consideration of replacement. The best case gain of the antenna is 4.5 dBi.

Antenna location: Refer to Appendix (Internal Photos)



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Radio Spectrum Matter Test Results 7

7.1 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2) ANSI C63.10 (2013) Section 11.8.1 Test Method:

Limit: ≥500 kHz

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24 Humidity: % RH Atmospheric Pressure: 1010 mbar 50

Test mode 00: TX mode_Keep the EUT in charging and continuously transmitting mode with

all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; Only the data of worst case is recorded

in the report.

7.1.2 Test Setup Diagram

Spectrum Analyzer E.U.T Non-Conducted Table

Ground Reference Plane

7.1.3 Measurement Procedure and Data

The detailed test data see: Appendix A for KSCR220200021001



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7.2 Conducted Average Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)
Test Method: ANSI C63.10 (2013) Section 11.9.2

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)				
	1 for ≥50 hopping channels				
902-928	0.25 for 25≤ hopping channels <50				
	1 for digital modulation				
	1 for ≥75 non-overlapping hopping channels				
2400-2483.5	0.125 for all other frequency hopping systems				
	1 for digital modulation				
5725-5850 1 for frequency hopping systems and digital modulation					

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 17.3 °C Humidity: 47.9 % RH Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description						
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); Only the data of worst case is recorded in the report.						



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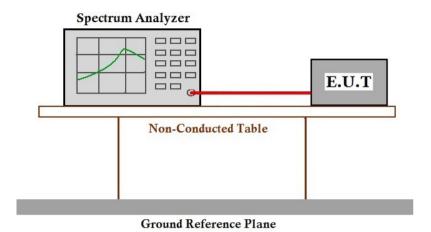
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7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

The detailed test data see: Appendix A for KSCR220200021001



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7.3 Power Spectrum Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e) ANSI C63.10 (2013) Section 11.10.2 Test Method:

Limit: ≤8dBm in any 3 kHz band during any time interval of continuous

transmission

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: % RH Atmospheric Pressure: 1010 mbar 50

Test mode 00: TX mode Keep the EUT in charging and continuously transmitting mode with

all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); Only the data of worst case is recorded in the report.

7.3.2 Test Setup Diagram

Spectrum Analyzer E.U.T Non-Conducted Table

Ground Reference Plane

7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix A for KSCR220200021001

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7.4 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)
Test Method: ANSI C63.10 (2013) Section 11.13.3.2

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. 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).

7.4.1 E.U.T. Operation

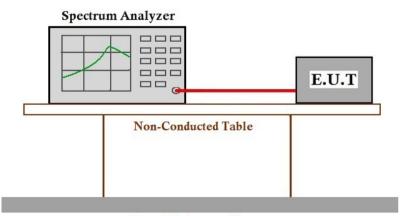
Operating Environment:

Temperature: 17.4 °C Humidity: 47.9 % RH Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

11 112 1 000 1 1 1 0 1 1 1 1 1 1 1 1 1 1								
Pre-scan / Final test	Mode Code	Description						
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); Only the data of worst case is recorded in the report.						

7.4.3 Test Setup Diagram



Ground Reference Plane



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7.4.4 Measurement Procedure and Data

The detailed test data see: Appendix A for KSCR220200021001



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7.5 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)
Test Method: ANSI C63.10 (2013) Section 11.11

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. 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).

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 17.4 °C Humidity: 48.0 % RH Atmospheric Pressure: 1010 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description							
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20);. Only the data of worst case is recorded in the report.							



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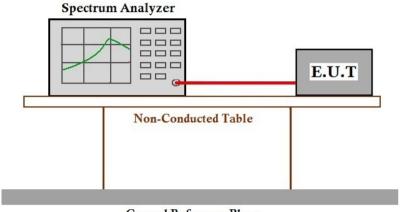
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7.5.3 Test Setup Diagram



Ground Reference Plane

7.5.4 Measurement Procedure and Data

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7.6 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.10.5

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
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

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C Humidity: 45.3 % RH Atmospheric Pressure: 1010 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); d Only the data of worst case is recorded in the report.



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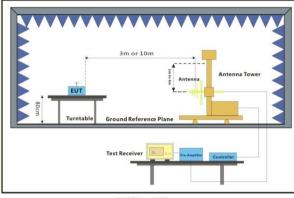
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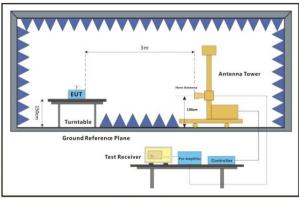


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7.6.3 Test Setup Diagram





30MHz-1GHz

Above 1GHz

7.6.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.
- Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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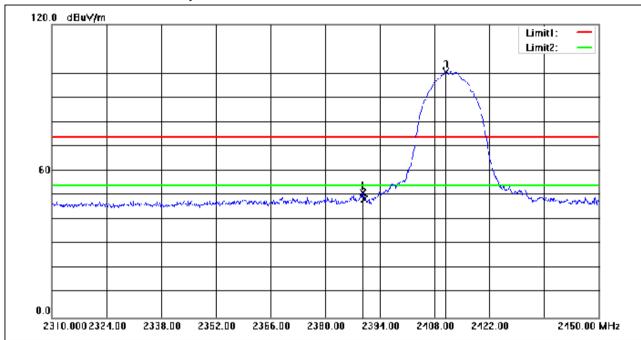
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.520	65.24	-14.01	51.23	74.00	-22.77	peak
2	2390.000	62.54	-14.01	48.53	74.00	-25.47	peak
3	2410.940	114.48	-13.94	100.54	74.00	26.54	peak



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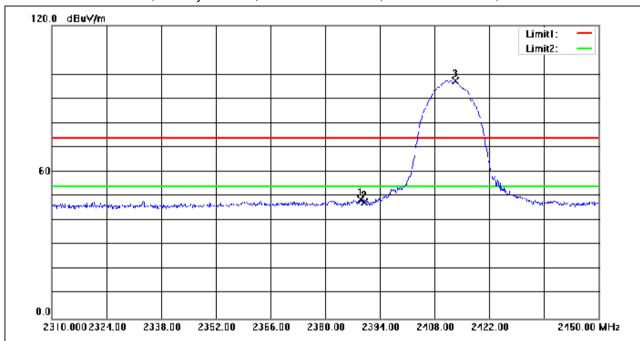
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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.100	62.82	-14.01	48.81	74.00	-25.19	peak
2	2390.000	61.49	-14.01	47.48	74.00	-26.52	peak
3	2413.320	111.32	-13.94	97.38	74.00	23.38	peak



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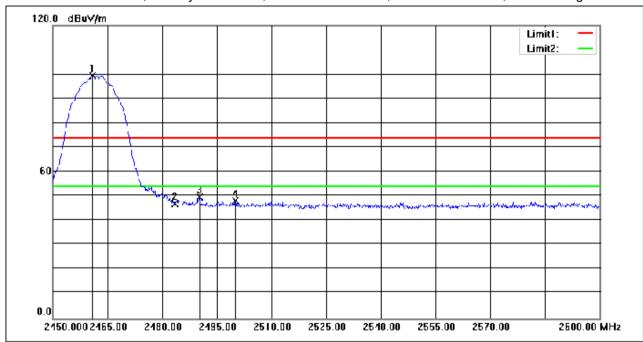
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2460.800	113.12	-13.78	99.34	74.00	25.34	peak
2	2483.500	60.61	-13.71	46.90	74.00	-27.10	peak
3	2490.200	63.31	-13.68	49.63	74.00	-24.37	peak
4	2500.000	61.84	-13.64	48.20	74.00	-25.80	peak



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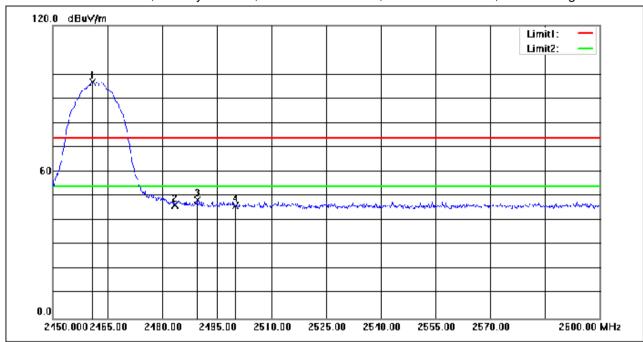
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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2460.950	110.51	-13.78	96.73	74.00	22.73	peak
2	2483.500	60.13	-13.71	46.42	74.00	-27.58	peak
3	2489.600	62.12	-13.68	48.44	74.00	-25.56	peak
4	2500.000	59.81	-13.64	46.17	74.00	-27.83	peak



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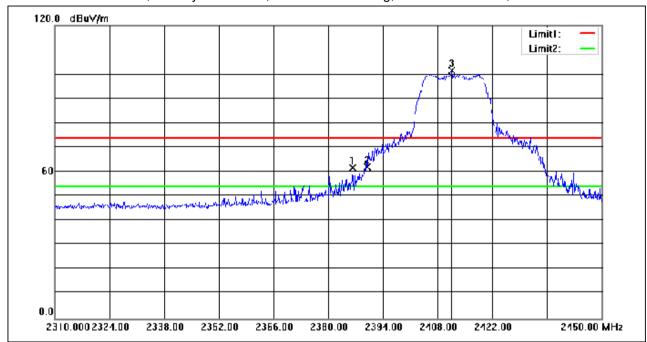
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2386.300	75.54	-14.02	61.52	74.00	-12.48	peak
2	2390.000	75.95	-14.01	61.94	74.00	-12.06	peak
3	2411.640	115.40	-13.94	101.46	74.00	27.46	peak



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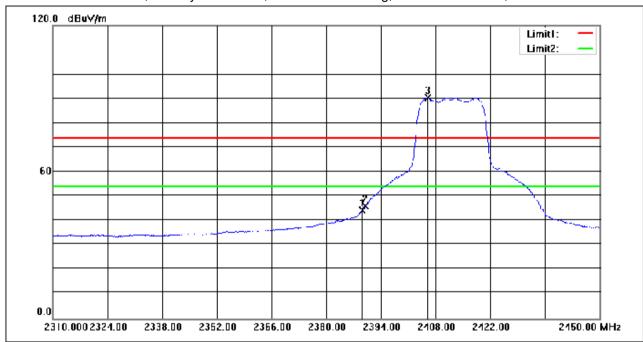
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.240	58.34	-14.01	44.33	54.00	-9.67	AVG
2	2390.000	60.04	-14.01	46.03	54.00	-7.97	AVG
3	2406.040	104.50	-13.96	90.54	54.00	36.54	AVG



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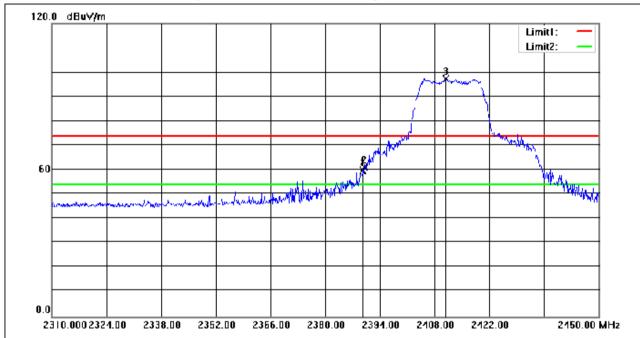
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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.660	73.78	-14.01	59.77	74.00	-14.23	peak
2	2390.000	75.16	-14.01	61.15	74.00	-12.85	peak
3	2410.940	111.39	-13.94	97.45	74.00	23.45	peak



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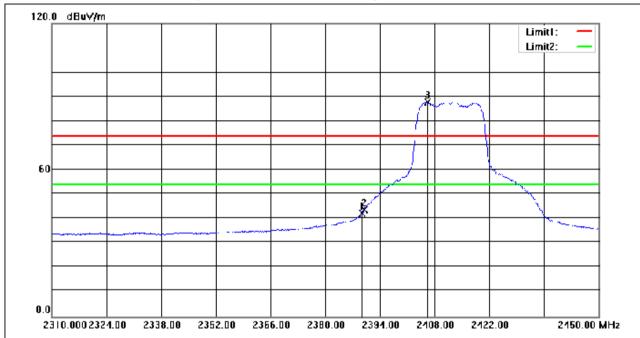
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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.380	56.09	-14.01	42.08	54.00	-11.92	AVG
2	2390.000	57.72	-14.01	43.71	54.00	-10.29	AVG
3	2406.180	101.82	-13.95	87.87	54.00	33.87	AVG



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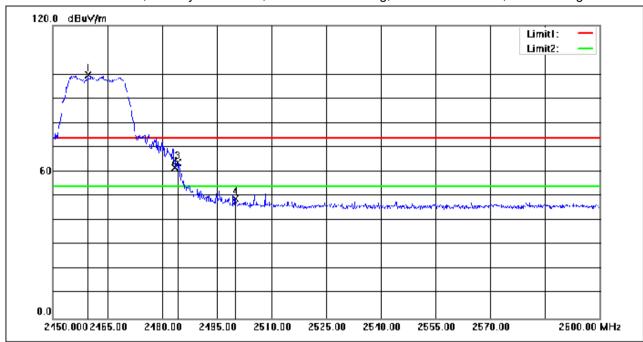
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2459.600	113.44	-13.78	99.66	74.00	25.66	peak
2	2483.500	75.23	-13.71	61.52	74.00	-12.48	peak
3	2484.200	77.40	-13.70	63.70	74.00	-10.30	peak
4	2500.000	62.82	-13.64	49.18	74.00	-24.82	peak



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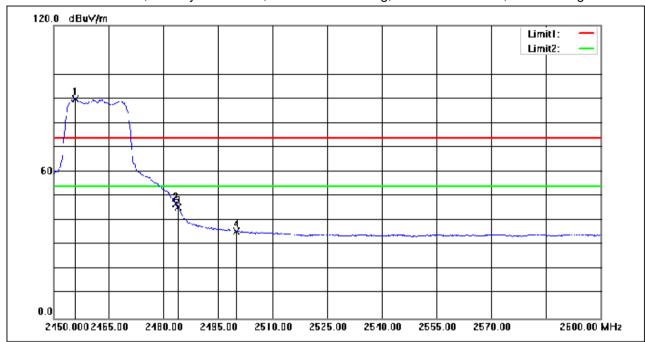
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2455.850	103.78	-13.79	89.99	54.00	35.99	AVG
2	2483.500	60.55	-13.71	46.84	54.00	-7.16	AVG
3	2484.050	59.01	-13.70	45.31	54.00	-8.69	AVG
4	2500.000	49.27	-13.64	35.63	54.00	-18.37	AVG



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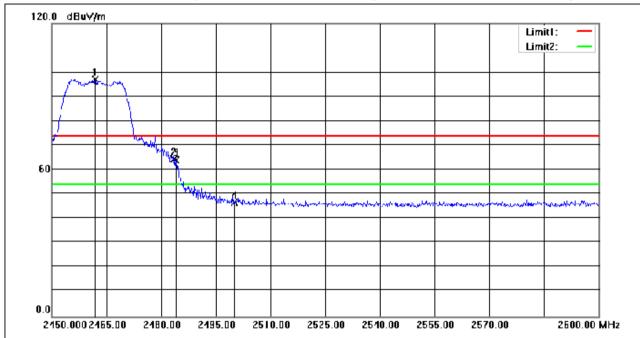
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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2461.850	110.89	-13.78	97.11	74.00	23.11	peak
2	2483.500	77.95	-13.71	64.24	74.00	-9.76	peak
3	2484.050	77.79	-13.70	64.09	74.00	-9.91	peak
4	2500.000	60.38	-13.64	46.74	74.00	-27.26	peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2455.400	101.23	-13.79	87.44	54.00	33.44	AVG
2	2483.500	57.68	-13.71	43.97	54.00	-10.03	AVG
3	2484.050	56.71	-13.70	43.01	54.00	-10.99	AVG
4	2500.000	48.50	-13.64	34.86	54.00	-19.14	AVG



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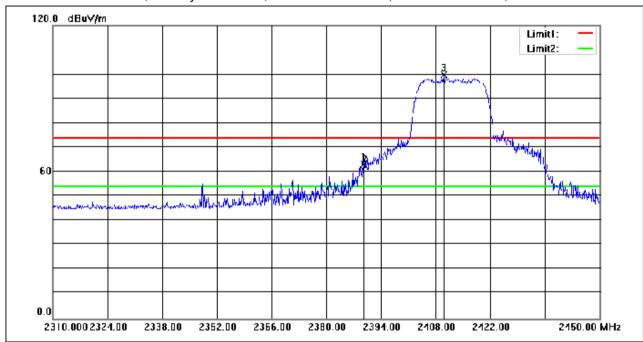
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.520	77.18	-14.01	63.17	74.00	-10.83	peak
2	2390.000	76.15	-14.01	62.14	74.00	-11.86	peak
3	2410.100	113.75	-13.95	99.80	74.00	25.80	peak



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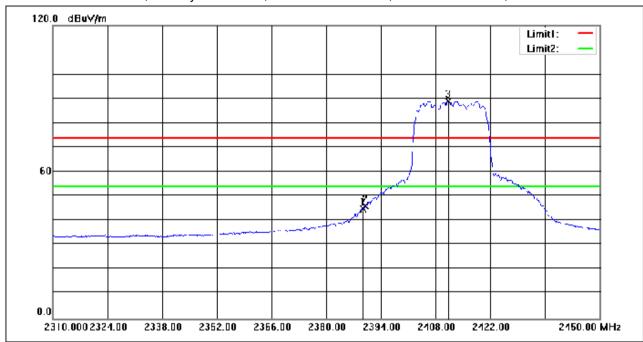
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.380	58.77	-14.01	44.76	54.00	-9.24	AVG
2	2390.000	60.16	-14.01	46.15	54.00	-7.85	AVG
3	2411.220	102.98	-13.94	89.04	54.00	35.04	AVG



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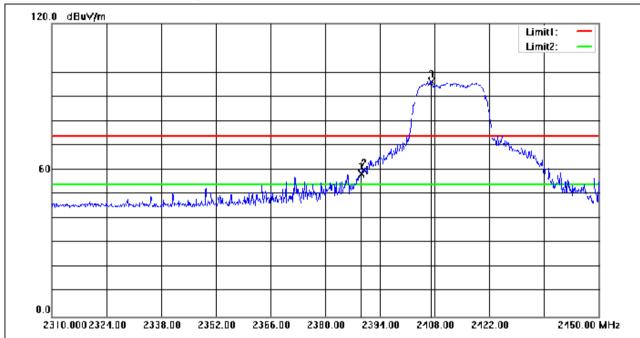
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.240	72.51	-14.01	58.50	74.00	-15.50	peak
2	2390.000	73.99	-14.01	59.98	74.00	-14.02	peak
3	2407.160	110.25	-13.95	96.30	74.00	22.30	peak



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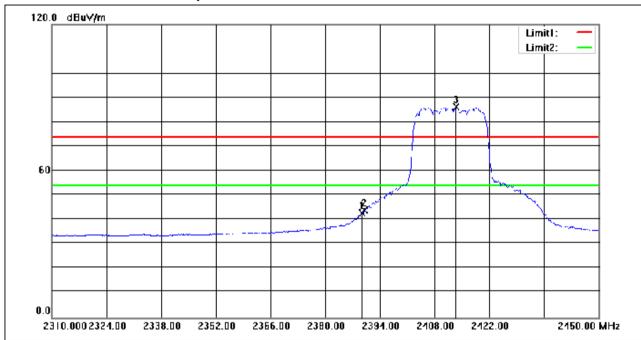
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2389.380	56.69	-14.01	42.68	54.00	-11.32	AVG
2	2390.000	57.88	-14.01	43.87	54.00	-10.13	AVG
3	2413.460	100.05	-13.94	86.11	54.00	32.11	AVG



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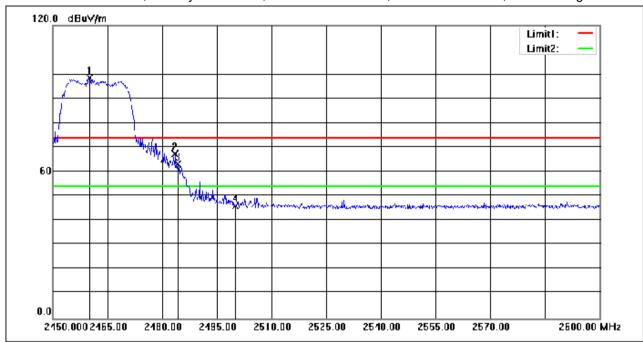
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2460.050	112.34	-13.78	98.56	74.00	24.56	peak
2	2483.500	80.92	-13.71	67.21	74.00	-6.79	peak
3	2484.350	76.98	-13.70	63.28	74.00	-10.72	peak
4	2500.000	59.83	-13.64	46.19	74.00	-27.81	peak



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No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2456.000	102.10	-13.79	88.31	54.00	34.31	AVG
2	2483.500	59.94	-13.71	46.23	54.00	-7.77	AVG
3	2484.350	58.71	-13.70	45.01	54.00	-8.99	AVG
4	2500.000	48.75	-13.64	35.11	54.00	-18.89	AVG



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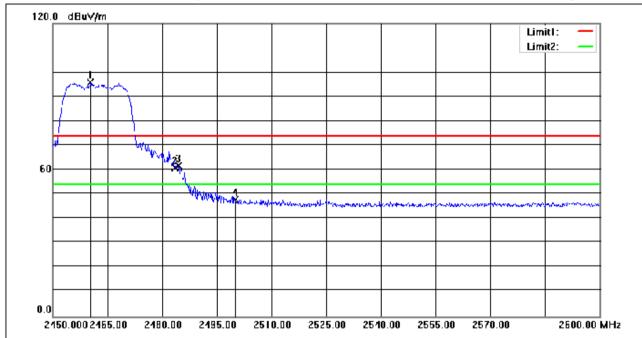
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2460.350	109.54	-13.78	95.76	74.00	21.76	peak
2	2483.500	74.33	-13.71	60.62	74.00	-13.38	peak
3	2484.500	75.29	-13.70	61.59	74.00	-12.41	peak
4	2500.000	61.49	-13.64	47.85	74.00	-26.15	peak



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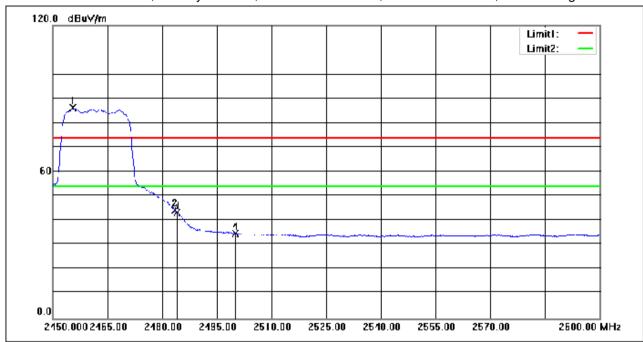
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No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2455.550	100.13	-13.79	86.34	54.00	32.34	AVG
2	2483.500	58.05	-13.71	44.34	54.00	-9.66	AVG
3	2484.050	57.00	-13.70	43.30	54.00	-10.70	AVG
4	2500.000	48.33	-13.64	34.69	54.00	-19.31	AVG



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7.7 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)		
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		
960-1000	500	3		

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C Humidity: 45.4 % RH Atmospheric Pressure: 1010 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40). Only the data of worst case is recorded in the report.



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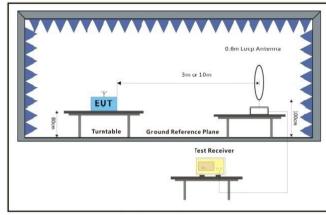
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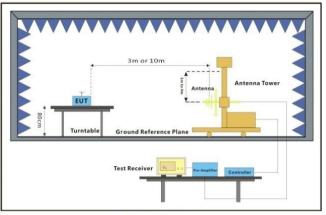


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7.7.3 Test Setup Diagram





Below 30MHz

30MHz-1GHz

7.7.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete. Remark:
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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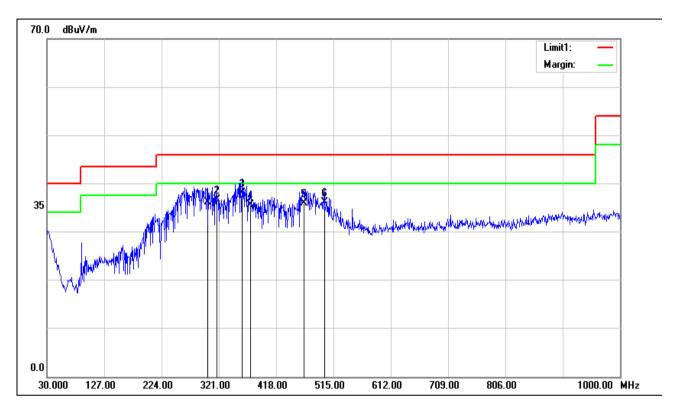
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Test Mode: 00; Polarity: Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	301.6000	15.41	20.76	36.17	46.00	-9.83	100	20	QP
2	317.1200	15.55	21.04	36.59	46.00	-9.41	100	27	QP
3	360.7700	15.79	22.24	38.03	46.00	-7.97	100	137	QP
4	374.3500	13.35	22.22	35.57	46.00	-10.43	100	144	QP
5	464.5600	10.97	24.93	35.90	46.00	-10.10	100	106	QP
6	499.4800	10.40	25.73	36.13	46.00	-9.87	100	119	QP



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Test Mode: 00; Polarity: Vertical



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.9700	9.27	25.12	34.39	40.00	-5.61	100	274	QP
2	92.0800	14.77	15.30	30.07	43.50	-13.43	100	63	QP
3	212.3600	11.91	16.76	28.67	43.50	-14.83	100	187	QP
4	364.6500	10.69	22.24	32.93	46.00	-13.07	200	1	QP
5	461.6500	12.04	24.85	36.89	46.00	-9.11	100	327	QP
6	481.0500	10.58	25.21	35.79	46.00	-10.21	100	335	QP



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7.8 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.6

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

7.8.1 E.U.T. Operation

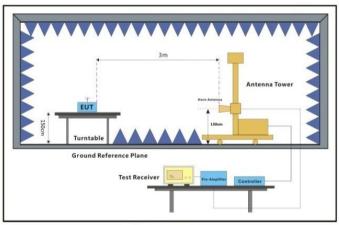
Operating Environment:

Temperature: 23.0 °C Humidity: 45.3 % RH Atmospheric Pressure: 1010 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



Above 1GHz



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7.8.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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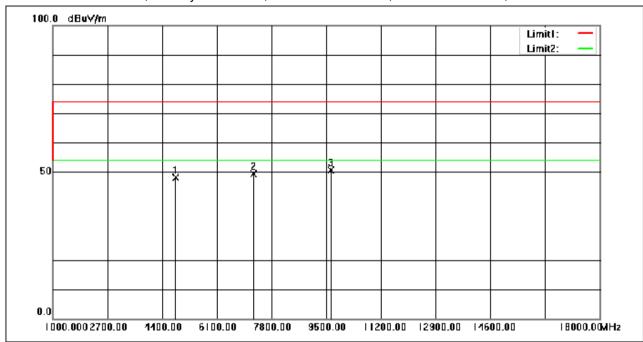
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	56.94	-8.78	48.16	74.00	-25.84	peak
2	7236.000	55.33	-5.86	49.47	74.00	-24.53	peak
3	9648.000	51.83	-1.31	50.52	74.00	-23.48	peak



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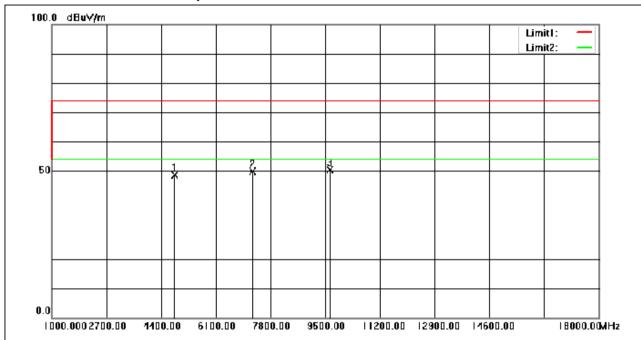
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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	57.30	-8.78	48.52	74.00	-25.48	peak
2	7236.000	55.64	-5.86	49.78	74.00	-24.22	peak
3	9648.000	51.67	-1.31	50.36	74.00	-23.64	peak



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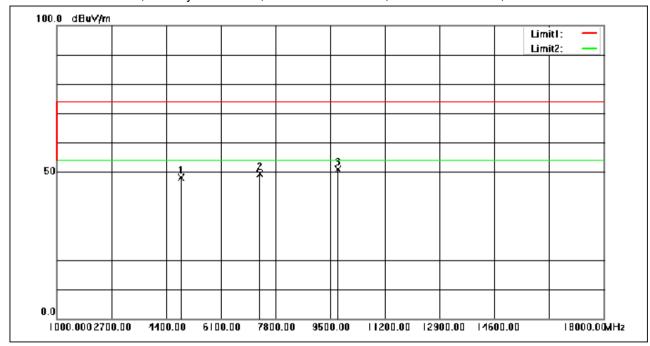
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	56.67	-8.61	48.06	74.00	-25.94	peak
2	7311.000	55.15	-5.78	49.37	74.00	-24.63	peak
3	9748.000	52.19	-1.43	50.76	74.00	-23.24	peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	57.35	-8.61	48.74	74.00	-25.26	peak
2	7311.000	55.34	-5.78	49.56	74.00	-24.44	peak
3	9748.000	51.84	-1.43	50.41	74.00	-23.59	peak



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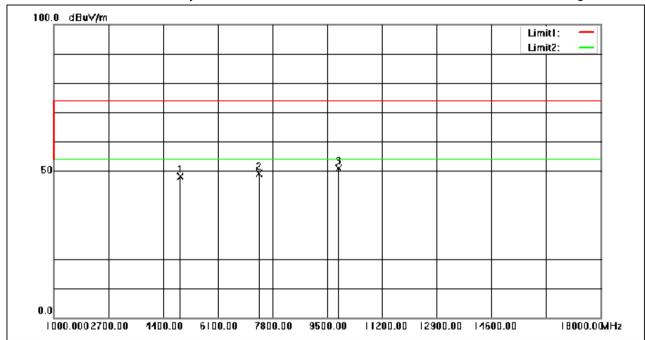
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	56.67	-8.44	48.23	74.00	-25.77	peak
2	7386.000	54.70	-5.69	49.01	74.00	-24.99	peak
3	9848.000	52.19	-1.27	50.92	74.00	-23.08	peak



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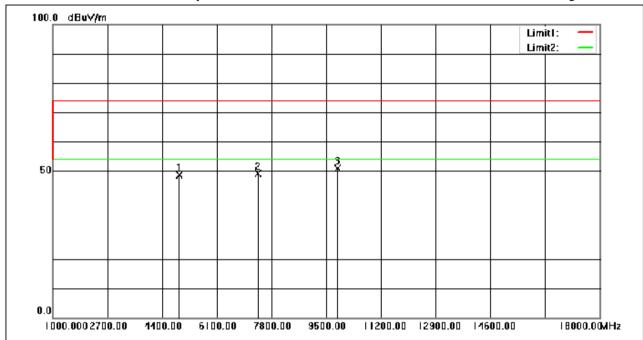
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Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	57.00	-8.44	48.56	74.00	-25.44	peak
2	7386.000	54.89	-5.69	49.20	74.00	-24.80	peak
3	9848.000	52.04	-1.27	50.77	74.00	-23.23	peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	57.76	-8.78	48.98	74.00	-25.02	peak
2	7236.000	55.00	-5.86	49.14	74.00	-24.86	peak
3	9648.000	51.60	-1.31	50.29	74.00	-23.71	peak



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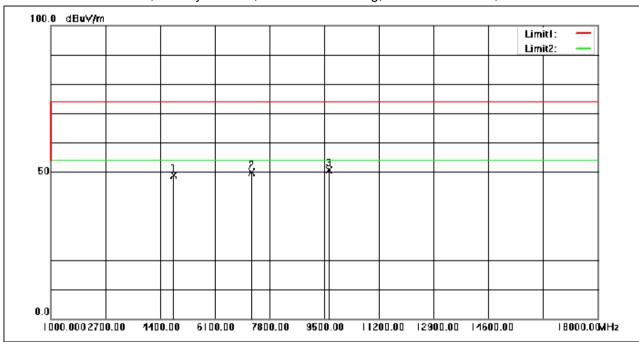
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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	57.74	-8.78	48.96	74.00	-25.04	peak
2	7236.000	55.73	-5.86	49.87	74.00	-24.13	peak
3	9648.000	51.95	-1.31	50.64	74.00	-23.36	peak



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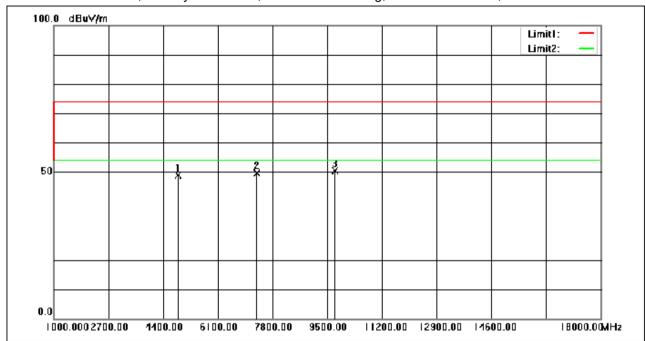
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	57.41	-8.61	48.80	74.00	-25.20	peak
2	7311.000	55.30	-5.78	49.52	74.00	-24.48	peak
3	9748.000	51.80	-1.43	50.37	74.00	-23.63	peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	56.70	-8.61	48.09	74.00	-25.91	peak
2	7311.000	55.55	-5.78	49.77	74.00	-24.23	peak
3	9748.000	52.29	-1.43	50.86	74.00	-23.14	peak



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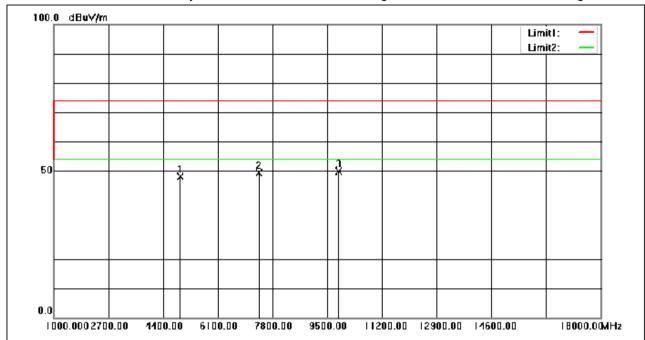
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	56.69	-8.44	48.25	74.00	-25.75	peak
2	7386.000	55.07	-5.69	49.38	74.00	-24.62	peak
3	9848.000	51.27	-1.27	50.00	74.00	-24.00	peak



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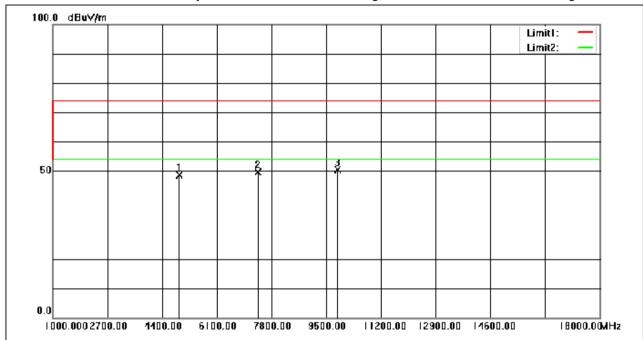
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Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	56.99	-8.44	48.55	74.00	-25.45	peak
2	7386.000	55.36	-5.69	49.67	74.00	-24.33	peak
3	9848.000	51.61	-1.27	50.34	74.00	-23.66	peak



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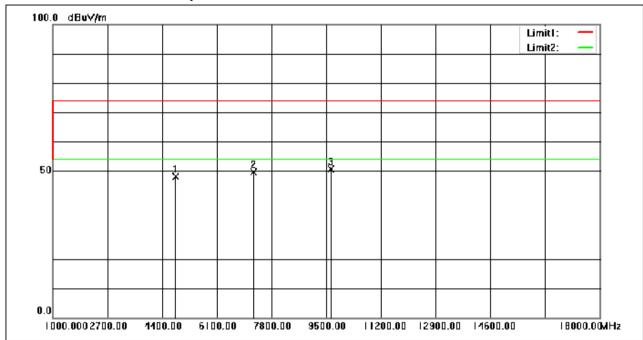
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	56.80	-8.78	48.02	74.00	-25.98	peak
2	7236.000	55.38	-5.86	49.52	74.00	-24.48	peak
3	9648.000	51.82	-1.31	50.51	74.00	-23.49	peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4824.000	57.21	-8.78	48.43	74.00	-25.57	peak
2	7236.000	55.24	-5.86	49.38	74.00	-24.62	peak
3	9648.000	51.79	-1.31	50.48	74.00	-23.52	peak



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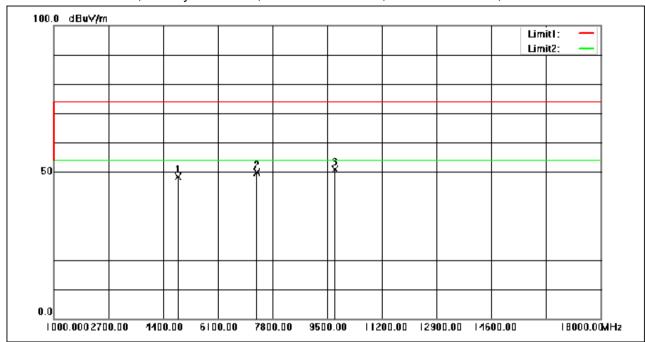
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	57.10	-8.61	48.49	74.00	-25.51	peak
2	7311.000	55.62	-5.78	49.84	74.00	-24.16	peak
3	9748.000	52.37	-1.43	50.94	74.00	-23.06	peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4874.000	57.36	-8.61	48.75	74.00	-25.25	peak
2	7311.000	55.22	-5.78	49.44	74.00	-24.56	peak
3	9748.000	52.08	-1.43	50.65	74.00	-23.35	peak



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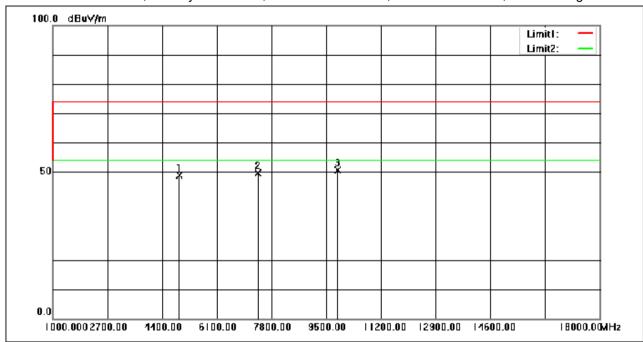
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	57.22	-8.44	48.78	74.00	-25.22	peak
2	7386.000	55.32	-5.69	49.63	74.00	-24.37	peak
3	9848.000	51.84	-1.27	50.57	74.00	-23.43	peak



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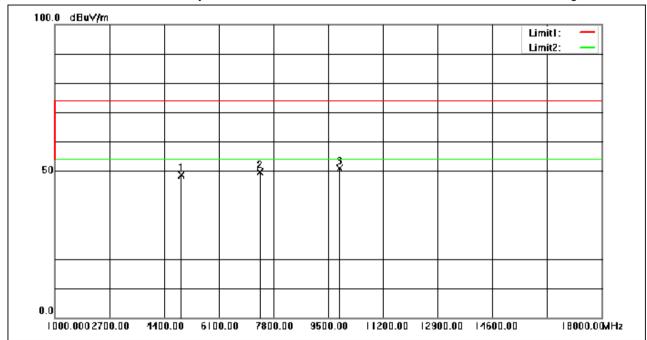
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



No.	Frequency	Reading	Correction	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	4924.000	56.97	-8.44	48.53	74.00	-25.47	peak
2	7386.000	55.43	-5.69	49.74	74.00	-24.26	peak
3	9848.000	52.25	-1.27	50.98	74.00	-23.02	peak



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8 Test Setup Photographs

Refer to the < Test Setup photos-FCC>.

9 EUT Constructional Details

Refer to the < External Photos > & < Internal Photos >.

- End of the Report -



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