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Report No.: SHEM180800662301

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## TEST REPORT

Application No.: SHEM1808006623CR

FCC ID: 2ADTD-MI9605

Applicant: Hangzhou Hikvision Digital Technology Co., Ltd

Address of Applicant: No.555 Qianmo Road, Binjiang District, Hangzhou 310052, China

Manufacturer: 1, Hangzhou Hikvision Digital Technology Co., Ltd

2, Hangzhou Hikvision Electronics Co., Ltd.

Address of Manufacturer: 1, No.555 Qianmo Road, Binjiang District, Hangzhou 310052, China

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

Hangzhou, Zhejiang, 310052, China

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

2, Hangzhou Hikvision Electronics 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

**Equipment Under Test (EUT):** 

**EUT Name:** Mobile NVR

Model No.: DS-MI9605-GA/GW ,DS-MI9605-GA, DS-MI9605-KK, DS-MI9605-QA36,

DS-MI9YYY-WW, DS-MI9605-GAUHK, DS-MI9605-GACKV, DS-MI9605-GAUVS, DS-MI9605-GAKVO, DS-MI9605-GAHUN, DS-MI9605-GA/GW, DS-MI9605-KK/GW, DS-MI9605-QA36/GW, DS-MI9605-QA36/GW/WI, DS-MI9605-QA36/GW/WI

MI9YYY-WW/GW/WI¤

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:** 2018-08-07

**Date of Test:** 2018-08-20 to 2018-08-21

**Date of Issue:** 2018-09-05

Test Result: Pass\*

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



Parlam Zhan E&E Section Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

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Revision Record						
Version Description Date Remark						
00	Original	2018-09-05	1			

Authorized for issue by:		
	Vincent Zhu	
	Vincent Zhu / Project Engineer	
	Darlam Zhan	
	Parlam Zhan / Reviewer	



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## 2 Test Summary

Radio Spectrum Technical Requirement						
Item Standard Method Requirement Resu						
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	Customer Declaration		

Item	Standard	Method	Requirement	Result
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass

#### **Declaration of EUT Family Grouping:**

Note 1: There are series models mentioned in this report, and they are the identical in electrical and electronic characters. Only the model DS-MI9605-GA/GW was tested since their differences were the software version, their naming and color silk.

Note 2: The device using 3G wireless module (UC20-G) had been certified and install in the main board as a plug-in , the product model contain "GW" characters using UC20-G module



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### 4 General Information

### 4.1 Details of E.U.T.

Power supply: DC 9-32V
Test voltage: DC 12V
Cable: DC Cable 7m

Antenna Gain 3 dBi

Antenna Type Monopole Antenna

Channel Spacing 5MHz

Modulation Type 802.11b: DSSS (CCK, DQPSK, DBPSK)

802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)

Number of Channels 802.11b/g/n(HT20):11

802.11n(HT40):7

Operation Frequency 802.11b/g/n(HT20): 2412MHz to 2462MHz

802.11n(HT40): 2422MHz to 2452MHz

### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Laptop	Lenovo	ThinkPad X100e	/
SecureCRT	VanDyke	V 6.2.0	/
Serial port adapter plate	/	Test Plate 3	/

### 4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.25 x 10-8
2	Timeout	2s
3	Duty cycle	0.37%
4	Occupied Bandwidth	3%
5	RF conducted power	0.75dB
6	RF power density	2.84dB
7	Conducted Spurious emissions	0.75dB
0	DE De diete de sever	4.5dB (Below 1GHz)
8	RF Radiated power	4.8dB (Above 1GHz)
		4.2dB (Below 30MHz)
0	De diete d Courieure anniesieur taat	4.4dB (30MHz-1GHz)
9	Radiated Spurious emission test	4.6dB (1GHz-18GHz)
		5.2dB (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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#### 4.4 Test Location

All tests were performed at:

 ${\tt SGS-CSTC}\ Standards\ {\tt Technical}\ Services\ {\tt Co.},\ {\tt Ltd.}\ Shanghai\ {\tt Branch}$ 

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China

Tel: +86 21 6191 5666 Fax: +86 21 6191 5678

No tests were sub-contracted.

#### 4.5 Test Facility

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

#### • CNAS (No. CNAS L0599)

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2005 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.

#### • NVLAP (Certificate No. 201034-0)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the National Voluntary Laboratory Accreditation Program(NVLAP). Certificate No. 201034-0.

#### • FCC -Designation Number: CN5033

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

Designation Number: CN5033. Test Firm Registration Number: 479755.

#### • Industry Canada (IC) - IC Assigned Code: 8617A

The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 8617A-1.

#### • VCCI (Member No.: 3061)

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-13868, C-14336, T-12221, G-10830 respectively.

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Conducted Test					
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2017-12-20	2018-12-19
Spectrum Analyzer	Agilent	N9020A	SHEM181-1	2017-09-26	2018-09-25
Power meter	R&S	NRP	SHEM057-1	2017-12-26	2018-12-25
Power Sensor	R&S	NRP-Z22	SHEM136-1	2018-07-22	2019-07-21
Power Sensor	R&S	NRP-Z91	SHEM057-2	2017-12-26	2018-12-25
Signal Generator	R&S	SMR40	SHEM058-1	2018-07-03	2019-07-02
Signal Generator	Agilent	N5182A	SHEM182-1	2017-09-26	2018-09-25
Communication Tester	R&S	CMW270	SHEM183-1	2017-10-22	2018-10-21
Switcher	Tonscend	JS0806	SHEM184-1	2017-09-26	2018-09-25
Splitter	Anritsu	MA1612A	SHEM185-1	/	/
Coupler	e-meca	803-S-1	SHEM186-1	/	/
High-low Temp Cabinet	Suzhou Zhihe	TL-40	SHEM087-1	2017-09-26	2018-09-25
AC Power Stabilizer	WOCEN	6100	SHEM045-1	2017-12-26	2018-12-25
DC Power Supply	QJE	QJ30003SII	SHEM046-1	2017-12-26	2018-12-25
Conducted test Cable	/	RF01, RF 02	/	2017-12-26	2018-12-25
Radiated Test					
EMI test receiver	R&S	ESU40	SHEM051-1	2017-12-20	2018-12-19
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2017-12-20	2018-12-19
Loop Antenna (9kHz-30MHz)	Schwarzbeck	FMZB1519	SHEM135-1	2017-04-10	2020-04-09
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM048-1	2017-02-28	2020-02-27
Antenna (25MHz-3GHz)	Schwarzbeck	HL562	SHEM010-1	2017-02-28	2020-02-27
Horn Antenna (1-8GHz)	Schwarzbeck	HF906	SHEM009-1	2017-10-24	2020-10-23
Horn Antenna (1-18GHz)	Schwarzbeck	BBHA9120D	SHEM050-1	2017-01-14	2020-01-13
Horn Antenna (14-40GHz)	Schwarzbeck	BBHA 9170	SHEM049-1	2017-12-03	2020-12-02
Pre-amplifier (9KHz-2GHz)	LAVIIO	LNA-0001-412010	SHEM164-1	2017-08-22	2018-08-21
Pre-amplifier (1-18GHz)	CLAVIIO	BDLNA-0118-352810	SHEM050-2	2017-08-22	2018-08-21
High-amplifier (14-40GHz)	Schwarzbeck	10001	SHEM049-2	2017-12-20	2018-12-19
Band filter	LORCH	9BRX-875/X150-SR	SHEM156-1	/	/
Band filter	LORCH	13BRX-1950/X500-SR	SHEM083-2	/	/
Band filter	LORCH	5BRX-2400/X200-SR	SHEM155-1	/	/
Band filter	LORCH	5BRX-5500/X1000-SR	SHEM157-2	/	/
High pass Filter	Wainwright	WHK3.0/18G-100SS	SHEM157-1	/	/
High pass Filter	Wainwright	WHKS1700-3SS	SHEM157-3	/	/
Semi/Fully Anechoic	ST	11*6*6M	SHEM078-2	2017-07-22	2020-07-21
RE test Cable	/	RE01, RE02, RE06	/	2017-12-26	2018-12-25



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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(c)

#### 6.1.2 Conclusion

#### Standard Requirement:

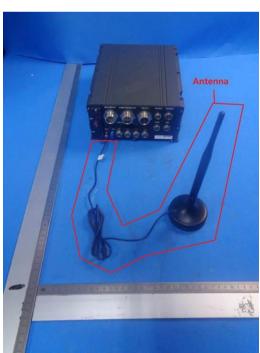
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 monopole antenna and no consideration of replacement. The best case gain of the antenna is 3dBi.





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## 7 Radio Spectrum Matter Test Results

### 7.1 Minimum 6dB Bandwidth

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

Limit: ≥500 kHz

#### 7.1.1 E.U.T. Operation

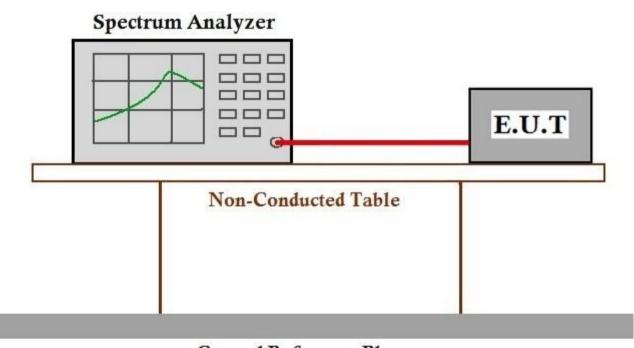
Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a:Engineering Mode\_Using test software to control EUT working in continuous

transmitting, and select channel and modulation type.

#### 7.1.2 Test Setup Diagram



### Ground Reference Plane

#### 7.1.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM180800662301



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### 7.2 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)
Test Method: ANSI C63.10 (2013) Section 11.9.1

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

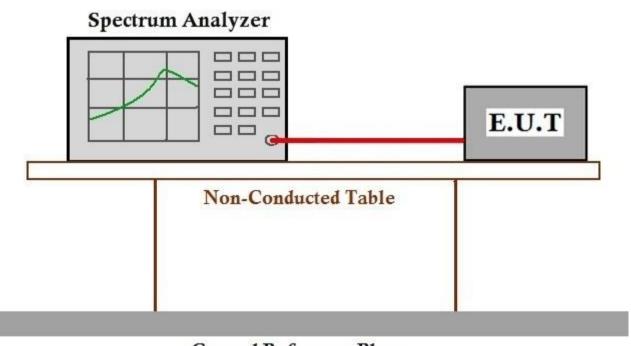
**Operating Environment:** 

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a:Engineering Mode\_Using test software to control EUT working in continuous

transmitting, and select channel and modulation type.

#### 7.2.2 Test Setup Diagram



### **Ground Reference Plane**

#### 7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM180800662301

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### 7.3 Power Spectrum Density

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

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

transmission

#### 7.3.1 E.U.T. Operation

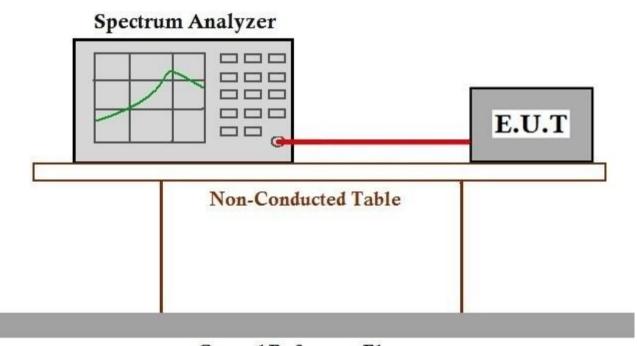
**Operating Environment:** 

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a:Engineering Mode\_Using test software to control EUT working in continuous

transmitting, and select channel and modulation type.

#### 7.3.2 Test Setup Diagram



### **Ground Reference Plane**

#### 7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM180800662301



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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 fr

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)

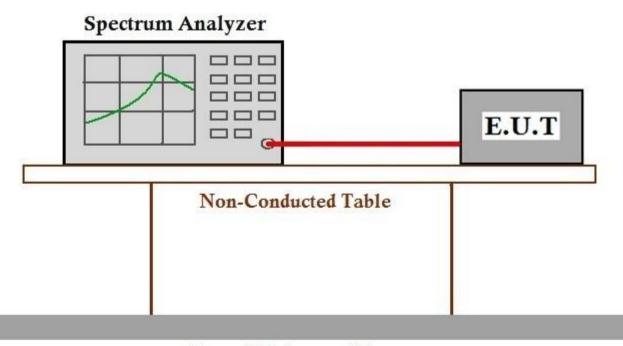
#### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar Test mode a:Engineering Mode Using test software to control EUT working in continuous

a:Engineering Mode\_Using test software to control EUT working in continuous transmitting, and select channel and modulation type.

#### 7.4.2 Test Setup Diagram



### Ground Reference Plane

#### 7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM180800662301

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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

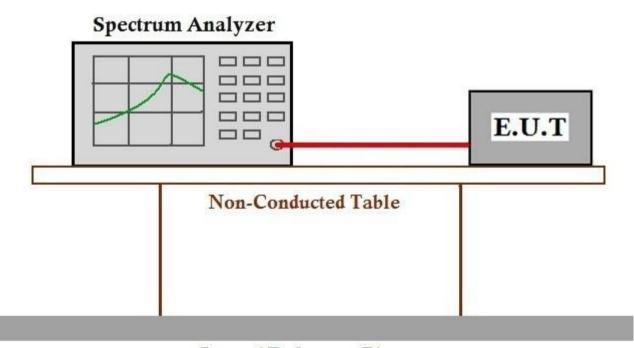
Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a:Engineering Mode\_Using test software to control EUT working in continuous

transmitting, and select channel and modulation type.

#### 7.5.2 Test Setup Diagram



### Ground Reference Plane

#### 7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM180800662301

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#### 7.6 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.247(d)

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

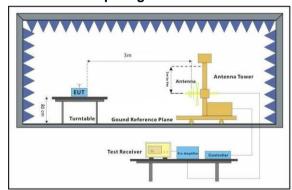
**Operating Environment:** 

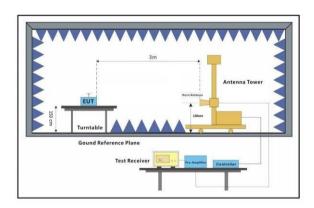
Temperature: 21 °C Humidity: 45 % RH Atmospheric Pressure: 1010 mbar

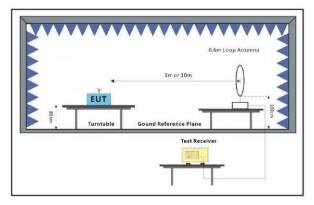
Test mode a:Engineering Mode Using test software to control EUT working in continuous

transmitting, and select channel and modulation type.

#### 7.6.2 Test Setup Diagram







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#### 7.6.3 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.

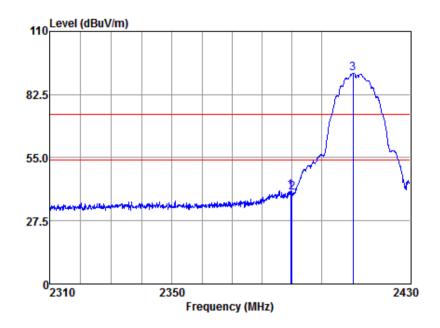
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, 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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Mode:a; Polarization:Horizontal; Modulation:b; bandwidth:20MHz; Channel:Low



### Antenna Polarity : HORIZONTAL

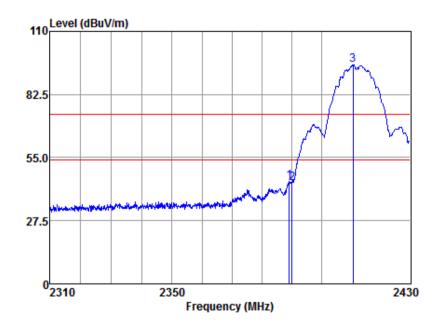
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.61	45.54	26.03	6.47	37.36	40.68	74.00	-33.32	Peak
2390.00	44.84	26.03	6.47	37.36	39.98	74.00	-34.02	Peak
2410.63	96.64	26.06	6.50	37.35	91.85	74.00	17.85	Peak



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Mode:a; Polarization:Vertical; Modulation:b; bandwidth:20MHz; Channel:Low



### Antenna Polarity : VERTICAL

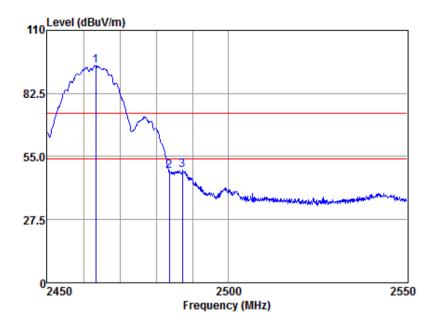
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.12	49.61	26.03	6.47	37.36	44.75	74.00	-29.25	Peak
2390.00	48.65	26.03	6.47	37.36	43.79	74.00	-30.21	Peak
2410.63	100.11	26.06	6.50	37.35	95.32	74.00	21.32	Peak



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Mode:a; Polarization:Horizontal; Modulation:b; bandwidth:20MHz; Channel:High



### Antenna Polarity : HORIZONTAL

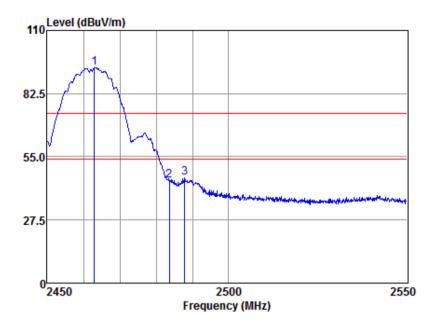
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2463.37	99.25	26.15	6.68	37.46	94.62	74.00	20.62	Peak
2483.50	53.20	26.18	6.80	37.51	48.67	74.00	-25.33	Peak
2487.23	53.50	26.18	6.80	37.51	48.97	74.00	-25.03	Peak



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Mode:a; Polarization:Vertical; Modulation:b; bandwidth:20MHz; Channel:High



### Antenna Polarity : VERTICAL

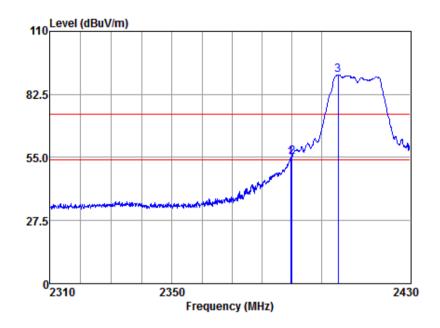
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2462.97	98.53	26.15	6.68	37.46	93.90	74.00	19.90	Peak
2483.50	49.21	26.18	6.80	37.51	44.68	74.00	-29.32	Peak
2487.83	50.45	26.18	6.80	37.51	45.92	74.00	-28.08	Peak



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Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:Low



### Antenna Polarity : HORIZONTAL

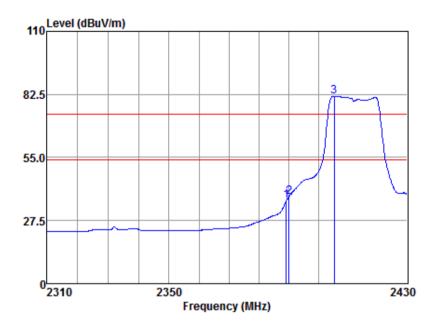
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.61	59.63	26.03	6.47	37.36	54.77	74.00	-19.23	Peak
2390.00	60.19	26.03	6.47	37.36	55.33	74.00	-18.67	Peak
2405.63	95.90	26.06	6.50	37.35	91.11	74.00	17.11	Peak



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Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:Low



### Antenna Polarity : HORIZONTAL

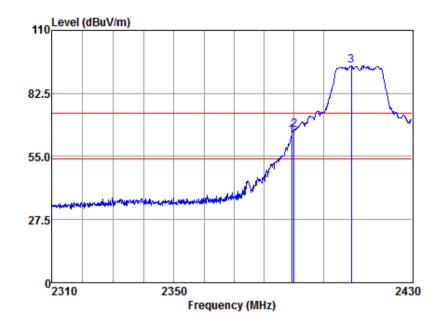
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.12	40.91	26.03	6.47	37.36	36.05	54.00	-17.95	Average
2390.00	42.62	26.03	6.47	37.36	37.76	54.00	-16.24	Average
2405.39	86.54	26.06	6.50	37.35	81.75	54.00	27.75	Average



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Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:Low



### Antenna Polarity : VERTICAL

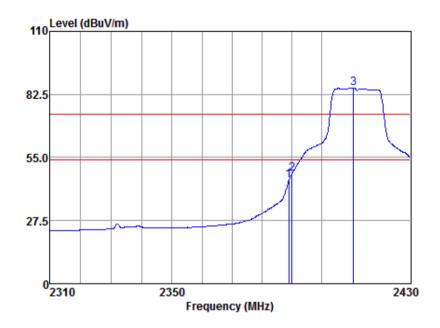
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.24	68.97	26.03	6.47	37.36	64.11	74.00	-9.89	Peak
2390.00	71.53	26.03	6.47	37.36	66.67	74.00	-7.33	Peak
2409.41	99.25	26.06	6.50	37.35	94.46	74.00	20.46	Peak



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Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:Low



### Antenna Polarity : VERTICAL

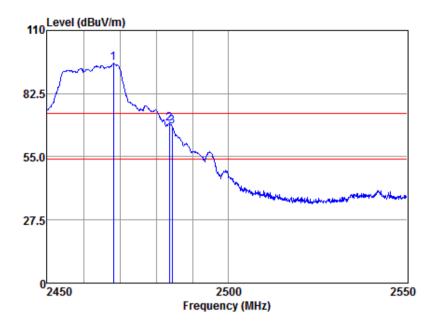
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.00	49.83	26.03	6.47	37.36	44.97	54.00	-9.03	Average
2390.00	52.68	26.03	6.47	37.36	47.82	54.00	-6.18	Average
2410.88	90.01	26.06	6.50	37.35	85.22	54.00	31.22	Average



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Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:High



### Antenna Polarity : HORIZONTAL

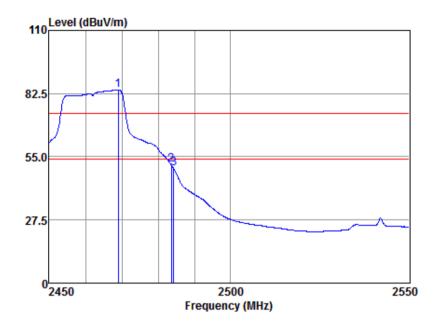
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.20	100.19	26.16	6.74	37.48	95.61	74.00	21.61	Peak
2483.50	74.04	26.18	6.80	37.51	69.51	74.00	-4.49	Peak
2484.35	72.76	26.18	6.80	37.51	68.23	74.00	-5.77	Peak



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Mode:a; Polarization:Horizontal; Modulation:g; bandwidth:20MHz; Channel:High



### Antenna Polarity : HORIZONTAL

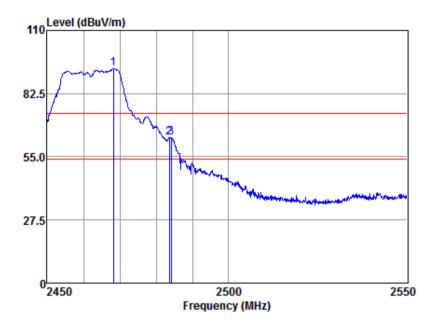
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.89	88.72	26.16	6.74	37.48	84.14	54.00	30.14	Average
2483.50	56.01	26.18	6.80	37.51	51.48	54.00	-2.52	Average
2484.15	54.53	26.18	6.80	37.51	50.00	54.00	-4.00	Average



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Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:High



### Antenna Polarity : VERTICAL

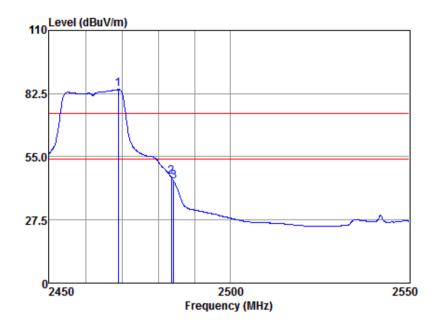
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.20	98.14	26.16	6.74	37.48	93.56	74.00	19.56	Peak
2483.50	67.69	26.18	6.80	37.51	63.16	74.00	-10.84	Peak
2484.05	67.92	26.18	6.80	37.51	63.39	74.00	-10.61	Peak



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Mode:a; Polarization: Vertical; Modulation:g; bandwidth: 20MHz; Channel: High



### Antenna Polarity : VERTICAL

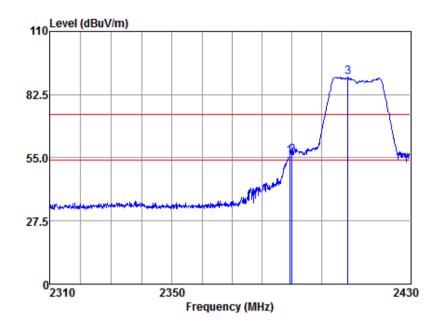
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Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.99	88.84	26.16	6.74	37.48	84.26	54.00	30.26	Average
2483.50	50.65	26.18	6.80	37.51	46.12	54.00	-7.88	Average
2484.25	48.79	26.18	6.80	37.51	44.26	54.00	-9.74	Average



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Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



### Antenna Polarity : HORIZONTAL

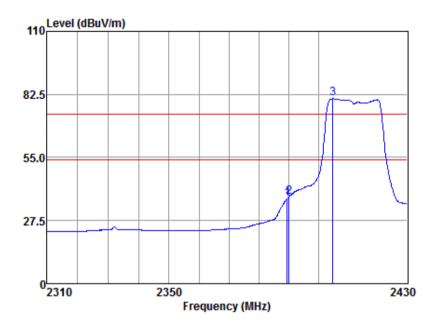
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.24	60.39	26.03	6.47	37.36	55.53	74.00	-18.47	Peak
2390.00	60.69	26.03	6.47	37.36	55.83	74.00	-18.17	Peak
2408.93	94.85	26.06	6.50	37.35	90.06	74.00	16.06	Peak



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Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:Low



### Antenna Polarity : HORIZONTAL

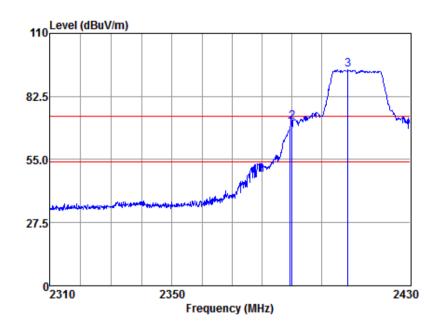
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.48	41.94	26.03	6.47	37.36	37.08	54.00	-16.92	Average
2390.00	42.60	26.03	6.47	37.36	37.74	54.00	-16.26	Average
2404.90	85.40	26.06	6.50	37.35	80.61	54.00	26.61	Average



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Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



### Antenna Polarity : VERTICAL

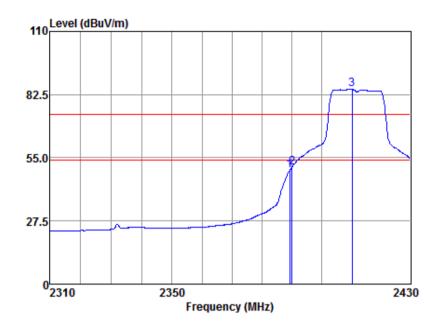
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.48	73.78	26.03	6.47	37.36	68.92	74.00	-5.08	Peak
2390.00	76.17	26.03	6.47	37.36	71.31	74.00	-2.69	Peak
2408.93	98.81	26.06	6.50	37.35	94.02	74.00	20.02	Peak



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Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:Low



### Antenna Polarity : VERTICAL

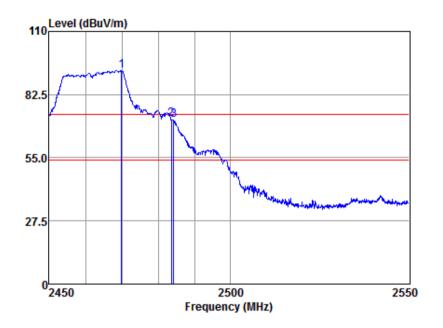
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Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.36	54.45	26.03	6.47	37.36	49.59	54.00	-4.41	Average
2390.00	55.66	26.03	6.47	37.36	50.80	54.00	-3.20	Average
2410.39	89.53	26.06	6.50	37.35	84.74	54.00	30.74	Average



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Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



### Antenna Polarity :HORIZONTAL

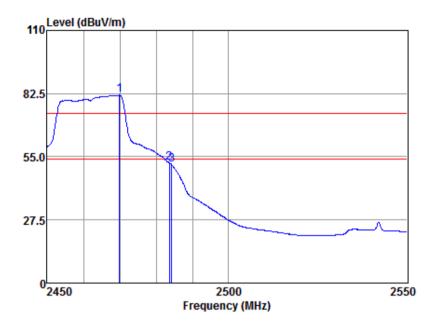
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2469.78	97.51	26.16	6.74	37.48	92.93	74.00	18.93	Peak
2483.50	76.39	26.18	6.80	37.51	71.86	74.00	-2.14	Peak
2484.15	76.03	26.18	6.80	37.51	71.50	74.00	-2.50	Peak



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Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High



### Antenna Polarity : HORIZONTAL

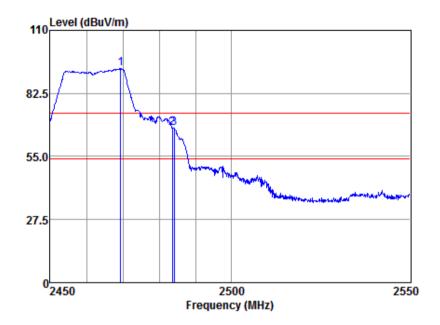
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2469.78	86.39	26.16	6.74	37.48	81.81	54.00	27.81	Average
2483.50	56.96	26.18	6.80	37.51	52.43	54.00	-1.57	Average
2484.15	56.15	26.18	6.80	37.51	51.62	54.00	-2.38	Average



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Mode:a; Polarization: Vertical; Modulation:n; bandwidth: 20MHz; Channel: High



### Antenna Polarity : VERTICAL

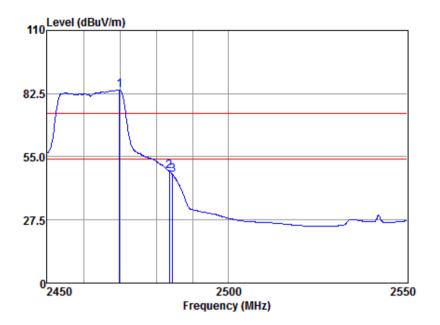
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2469.29	97.85	26.16	6.74	37.48	93.27	74.00	19.27	Peak
2483.50	71.77	26.18	6.80	37.51	67.24	74.00	-6.76	Peak
2484.05	71.92	26.18	6.80	37.51	67.39	74.00	-6.61	Peak



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Mode:a; Polarization:Vertical; Modulation:n; bandwidth:20MHz; Channel:High



### Antenna Polarity : VERTICAL

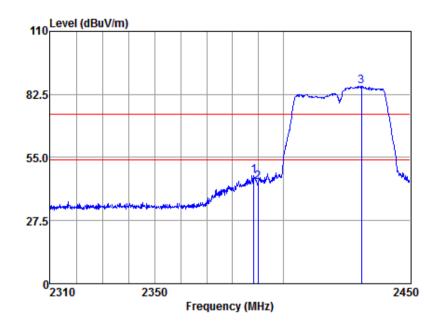
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2469.78	88.56	26.16	6.74	37.48	83.98	54.00	29.98	Average
2483.50	53.26	26.18	6.80	37.51	48.73	54.00	-5.27	Average
2484.45	51.79	26.18	6.80	37.51	47.26	54.00	-6.74	Average



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Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:Low



### Antenna Polarity : HORIZONTAL

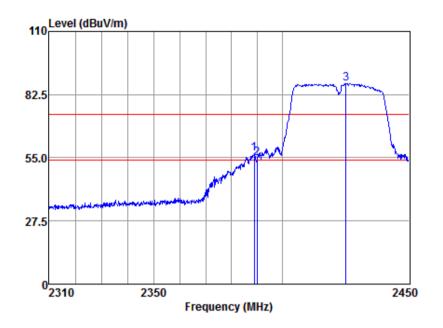
Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Level	Factor	Loss	Factor	Level	Line	Limit	Remark
dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
51.84	26.03	6.47	37.36	46.98	74.00	-27.02	Peak
49.00	26.03	6.47	37.36	44.14	74.00	-29.86	Peak
90.76	26.10	6.56	37.39	86.03	74.00	12.03	Peak
	dBuv 51.84 49.00	Level Factor  dBuv dB/m 51.84 26.03 49.00 26.03	Level Factor Loss  dBuv dB/m dB  51.84 26.03 6.47  49.00 26.03 6.47	Level Factor Loss Factor  dBuv dB/m dB dB  51.84 26.03 6.47 37.36  49.00 26.03 6.47 37.36	Level Factor Loss Factor Level  dBuv dB/m dB dB dBuv/m 51.84 26.03 6.47 37.36 46.98 49.00 26.03 6.47 37.36 44.14	Level Factor Loss Factor Level Line  dBuv dB/m dB dB dBuv/m dBuv/m 51.84 26.03 6.47 37.36 46.98 74.00 49.00 26.03 6.47 37.36 44.14 74.00	Read         Antenna Cable Preamp         Emission Limit         Over           Level         Factor         Level         Line         Limit                  dBuv         dB/m         dB         dBuv/m         dBuv/m         dB           51.84         26.03         6.47         37.36         46.98         74.00         -27.02           49.00         26.03         6.47         37.36         44.14         74.00         -29.86           90.76         26.10         6.56         37.39         86.03         74.00         12.03



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Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



### Antenna Polarity :VERTICAL

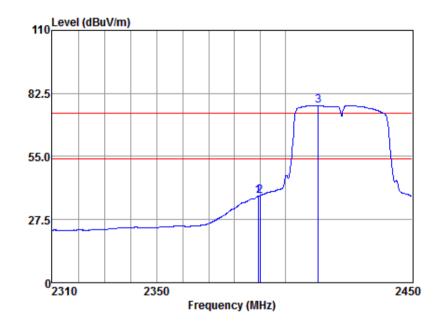
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2388.93	61.72	26.03	6.47	37.36	56.86	74.00	-17.14	Peak
2390.00	59.75	26.03	6.47	37.36	54.89	74.00	-19.11	Peak
2425.04	92.17	26.09	6.56	37.38	87.44	74.00	13.44	Peak



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Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low



### Antenna Polarity : VERTICAL

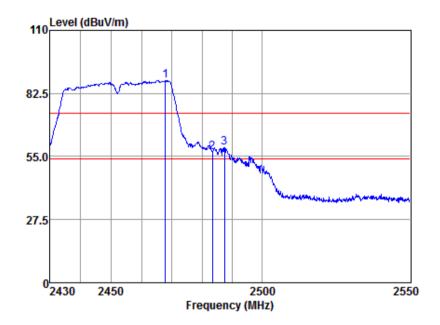
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.21	42.51	26.03	6.47	37.36	37.65	54.00	-16.35	Average
2390.00	42.77	26.03	6.47	37.36	37.91	54.00	-16.09	Average
2412.80	81.90	26.08	6.50	37.36	77.12	54.00	23.12	Average



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Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



### Antenna Polarity : HORIZONTAL

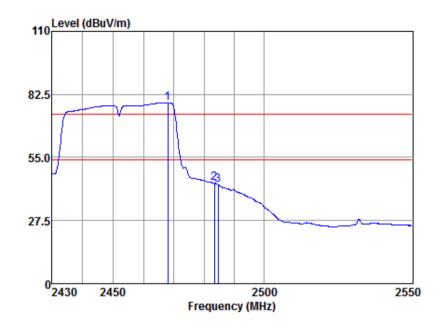
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2467.89	92.62	26.16	6.74	37.48	88.04	74.00	14.04	Peak
2483.50	61.50	26.18	6.80	37.51	56.97	74.00	-17.03	Peak
2487.48	63.42	26.18	6.80	37.51	58.89	74.00	-15.11	Peak



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Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High



### Antenna Polarity : HORIZONTAL

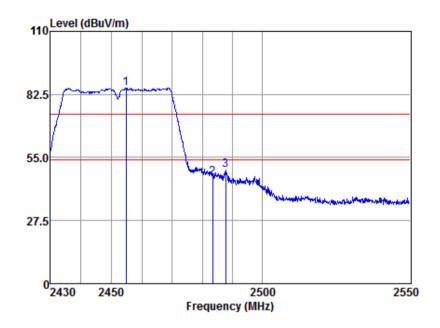
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.01	83.45	26.16	6.74	37.48	78.87	54.00	24.87	Average
2483.50	48.31	26.18	6.80	37.51	43.78	54.00	-10.22	Average
2484.72	47.67	26.18	6.80	37.51	43.14	54.00	-10.86	Average



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Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:High



### Antenna Polarity : VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2454.84	89.81	26.14	6.68	37.45	85.18	74.00	11.18	Peak
2483.50	50.94	26.18	6.80	37.51	46.41	74.00	-27.59	Peak
2487.84	54.00	26.18	6.80	37.51	49.47	74.00	-24.53	Peak



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#### 7.7 Radiated Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.247(d)

Test Method: ANSI C63.10 (2013) Section 6.4,6.5,6.6

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.

#### 7.7.1 E.U.T. Operation

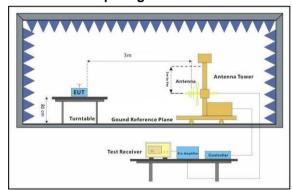
**Operating Environment:** 

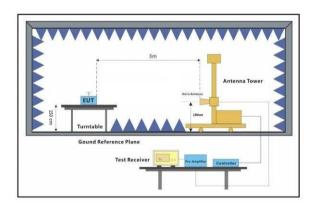
Temperature: 21 °C Humidity: 45 % RH Atmospheric Pressure: 1010 mbar

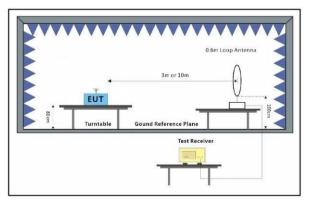
Test mode a:Engineering Mode Using test software to control EUT working in continuous

transmitting, and select channel and modulation type.

#### 7.7.2 Test Setup Diagram









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#### 7.7.3 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.
- Repeat above procedures until all frequencies measured was complete.

#### Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

- 3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and 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.
- 4) 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



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	arization:F	lorizontal;	Modulation:b	; bandwid	th:20MHz; C	Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Over Limit	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	42.77	6.40	49.17	54	-4.83	peak
7236	37.80	10.76	48.56	54	-5.44	peak
9648	38.20	14.37	52.57	54	-1.43	peak
				1 . 141	001411 01	
			odulation:b;			
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	_
4824	40.68	6.40	47.08	54	-6.92	peak
7236	39.91	10.76	50.67	54	-3.33	peak
9648	33.76	14.37	48.13	54	-5.87	peak
Mode:a: Pol	arization:F	lorizontal:	Modulation:b	: bandwid	th:20MHz: 0	Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Over Limit	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	42.63	6.92	49.55	54	-4.45	peak
7311	35.50	11.08	46.58	54	-7.42	peak
9748	35.26	14.36	49.62	54	-4.38	peak
						•
Mode:a; Pol	arization:V	ertical; M	odulation:b; I	oandwidth:	20MHz; Cha	annel:middle
Fraguanay						
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	RX_R dBuV	Factor dB	Emission dBuV/m	Limit dBuV/m	Over Limit dB	Detector
						Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
MHz 4874	dBuV 41.22	dB 6.92	dBuV/m 48.14	dBuV/m 54	dB -5.86	peak
MHz 4874 7311 9748	dBuV 41.22 35.08 32.47	dB 6.92 11.08 14.36	dBuV/m 48.14 46.16 46.83	dBuV/m 54 54 54	dB -5.86 -7.84 -7.17	peak peak peak
MHz 4874 7311 9748 Mode:a; Pol	dBuV 41.22 35.08 32.47 arization:H	dB 6.92 11.08 14.36 Iorizontal;	dBuV/m 48.14 46.16 46.83 Modulation:b	dBuV/m 54 54 54 5; bandwid	dB -5.86 -7.84 -7.17 th:20MHz; (	peak peak peak Channel:High
MHz 4874 7311 9748 Mode:a; Pol Frequency	dBuV 41.22 35.08 32.47 arization:F RX_R	dB 6.92 11.08 14.36 Iorizontal; Factor	dBuV/m 48.14 46.16 46.83 Modulation:b Emission	dBuV/m 54 54 54 5; bandwid Limit	dB -5.86 -7.84 -7.17 th:20MHz; 0	peak peak peak Channel:High
MHz 4874 7311 9748 Mode:a; Pol Frequency MHz	dBuV 41.22 35.08 32.47 arization:H RX_R dBuV	dB 6.92 11.08 14.36 Iorizontal; Factor dB	dBuV/m 48.14 46.16 46.83 Modulation:b Emission dBuV/m	dBuV/m 54 54 54 54 c; bandwid Limit dBuV/m	dB -5.86 -7.84 -7.17 th:20MHz; 0 Over Limit dB	peak peak peak Channel:High Detector
MHz 4874 7311 9748 Mode:a; Pol Frequency	dBuV 41.22 35.08 32.47 arization:F RX_R	dB 6.92 11.08 14.36 Iorizontal; Factor	dBuV/m 48.14 46.16 46.83 Modulation:b Emission	dBuV/m 54 54 54 5; bandwid Limit	dB -5.86 -7.84 -7.17 th:20MHz; 0	peak peak peak Channel:High
MHz 4874 7311 9748 Mode:a; Pol Frequency MHz	dBuV 41.22 35.08 32.47 arization:H RX_R dBuV	dB 6.92 11.08 14.36 Iorizontal; Factor dB	dBuV/m 48.14 46.16 46.83 Modulation:b Emission dBuV/m	dBuV/m 54 54 54 54 c; bandwid Limit dBuV/m	dB -5.86 -7.84 -7.17 th:20MHz; 0 Over Limit dB	peak peak peak Channel:High Detector
MHz 4874 7311 9748 Mode:a; Pol Frequency MHz 4924	dBuV 41.22 35.08 32.47 arization:H RX_R dBuV 38.37	dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31	dBuV/m 48.14 46.16 46.83 Modulation:b Emission dBuV/m 45.68	dBuV/m 54 54 54 c; bandwid Limit dBuV/m 54	dB -5.86 -7.84 -7.17 th:20MHz; 0 Over Limit dB -8.32	peak peak peak Channel:High Detector peak
MHz 4874 7311 9748 Mode:a; Pol Frequency MHz 4924 7386 9848	dBuV 41.22 35.08 32.47 arization:H RX_R dBuV 38.37 35.81 36.96	dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31 11.41 14.38	dBuV/m 48.14 46.16 46.83 Modulation:b Emission dBuV/m 45.68 47.22 51.34	dBuV/m 54 54 54 b; bandwid Limit dBuV/m 54 54	dB -5.86 -7.84 -7.17 th:20MHz; 0 Over Limit dB -8.32 -6.78 -2.66	peak peak peak Channel:High Detector  peak peak peak peak
MHz 4874 7311 9748 Mode:a; Pol Frequency MHz 4924 7386 9848 Mode:a; Pol	dBuV 41.22 35.08 32.47 arization:F RX_R dBuV 38.37 35.81 36.96 arization:V	dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31 11.41 14.38	dBuV/m 48.14 46.16 46.83  Modulation:b Emission dBuV/m 45.68 47.22 51.34  odulation:b;	dBuV/m 54 54 5; bandwid Limit dBuV/m 54 54 54 candwidth:	dB -5.86 -7.84 -7.17 th:20MHz; 0 Over Limit dB -8.32 -6.78 -2.66	peak peak peak Channel:High Detector peak peak peak peak
MHz 4874 7311 9748  Mode:a; Pol Frequency MHz 4924 7386 9848  Mode:a; Pol Frequency	dBuV 41.22 35.08 32.47 arization:H RX_R dBuV 38.37 35.81 36.96 arization:V RX_R	dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31 11.41 14.38 'ertical; M Factor	dBuV/m 48.14 46.16 46.83  Modulation:b Emission dBuV/m 45.68 47.22 51.34  odulation:b; I	dBuV/m 54 54 5; bandwid Limit dBuV/m 54 54 54 candwidth: Limit	dB -5.86 -7.84 -7.17  th:20MHz; 0 Over Limit dB -8.32 -6.78 -2.66  20MHz; Cha	peak peak peak Channel:High Detector peak peak peak peak
MHz 4874 7311 9748  Mode:a; Pol Frequency MHz 4924 7386 9848  Mode:a; Pol Frequency MHz	dBuV 41.22 35.08 32.47 arization:F RX_R dBuV 38.37 35.81 36.96 arization:V RX_R dBuV	dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31 11.41 14.38 'ertical; M Factor dB	dBuV/m 48.14 46.16 46.83  Modulation:b Emission dBuV/m 45.68 47.22 51.34  odulation:b; l Emission dBuV/m	dBuV/m 54 54 54 b; bandwid Limit dBuV/m 54 54 54 candwidth: Limit dBuV/m	dB -5.86 -7.84 -7.17 th:20MHz; Over Limit dB -8.32 -6.78 -2.66 20MHz; Cha Over Limit dB	peak peak peak Channel:High Detector  peak peak peak peak annel:High Detector
MHz 4874 7311 9748  Mode:a; Pol Frequency MHz 4924 7386 9848  Mode:a; Pol Frequency MHz 4924	dBuV 41.22 35.08 32.47 arization:H RX_R dBuV 38.37 35.81 36.96 arization:V RX_R dBuV 38.66	dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31 11.41 14.38 Vertical; M Factor dB 7.31	dBuV/m 48.14 46.16 46.83  Modulation:b Emission dBuV/m 45.68 47.22 51.34  odulation:b; I Emission dBuV/m 45.97	dBuV/m 54 54 5; bandwid Limit dBuV/m 54 54 54 candwidth: Limit dBuV/m 54	dB -5.86 -7.84 -7.17 th:20MHz; O Over Limit dB -8.32 -6.78 -2.66 20MHz; Cha Over Limit dB -8.03	peak peak peak Channel:High Detector  peak peak peak annel:High Detector
MHz 4874 7311 9748  Mode:a; Pol Frequency MHz 4924 7386 9848  Mode:a; Pol Frequency MHz	dBuV 41.22 35.08 32.47 arization:F RX_R dBuV 38.37 35.81 36.96 arization:V RX_R dBuV	dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31 11.41 14.38 'ertical; M Factor dB	dBuV/m 48.14 46.16 46.83  Modulation:b Emission dBuV/m 45.68 47.22 51.34  odulation:b; l Emission dBuV/m	dBuV/m 54 54 54 b; bandwid Limit dBuV/m 54 54 54 candwidth: Limit dBuV/m	dB -5.86 -7.84 -7.17 th:20MHz; Over Limit dB -8.32 -6.78 -2.66 20MHz; Cha Over Limit dB	peak peak peak Channel:High Detector  peak peak peak peak annel:High Detector



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Mode:a; Pol	arization:H	lorizontal;	Modulation:g	g; bandwid	th:20MHz; C	Channel:Low
Frequency	$RX_R$	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	42.19	6.40	48.59	54	-5.41	peak
7236	36.86	10.76	47.62	54	-6.38	peak
9648	33.21	14.37	47.58	54	-6.42	peak
Mode:a; Pol	arization:V	ertical; M	odulation:g;	bandwidth:	20MHz; Cha	annel:Low
Frequency	$RX_R$	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	38.10	6.40	44.50	54	-9.50	peak
7236	36.87	10.76	47.63	54	-6.37	peak
9648	34.82	14.37	49.19	54	-4.81	peak
Mode:a; Pol	arization:H	lorizontal;	Modulation:	g; bandwid	th:20MHz; C	Channel:middle
Frequency	$RX_R$	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	39.10	6.92	46.02	54	-7.98	peak
7311	39.31	11.08	50.39	54	-3.61	peak
9748	34.60	14.36	48.96	54	-5.04	peak
Mode:a; Pol	arization:V	ertical; M	odulation:g; l	bandwidth:	20MHz; Cha	annel:middle
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	39.08	6.92	46.00	54	-8.00	peak
7311	36.29	11.08	47.37	54	-6.63	peak
9748	35.12	14.36	49.48	54	-4.52	peak
Mode:a; Pol	arization:H	lorizontal;	Modulation:	j; bandwid	th:20MHz; C	Channel:High
Frequency	$RX_R$	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
				aba v/III		
4924	39.94	7.31	47.25	54	-6.75	peak
4924 7386	39.94 35.53	7.31 11.41				peak peak
			47.25	54	-6.75	-
7386 9848	35.53 33.60	11.41 14.38	47.25 46.94	54 54 54	-6.75 -7.06 -6.02	peak peak
7386 9848	35.53 33.60	11.41 14.38	47.25 46.94 47.98	54 54 54	-6.75 -7.06 -6.02	peak peak annel:High
7386 9848 Mode:a; Pol	35.53 33.60 arization:V	11.41 14.38 'ertical; M	47.25 46.94 47.98 odulation:g;	54 54 54 bandwidth:	-6.75 -7.06 -6.02 20MHz; Cha	peak peak annel:High
7386 9848 Mode:a; Pol Frequency	35.53 33.60 arization:V RX_R	11.41 14.38 'ertical; M Factor	47.25 46.94 47.98 odulation:g; Emission	54 54 54 bandwidth: Limit	-6.75 -7.06 -6.02 20MHz; Cha Over Limit	peak peak annel:High
7386 9848 Mode:a; Pol Frequency MHz	35.53 33.60 arization:V RX_R dBuV	11.41 14.38 'ertical; M Factor dB	47.25 46.94 47.98 odulation:g; Emission dBuV/m	54 54 54 bandwidth: Limit dBuV/m	-6.75 -7.06 -6.02 20MHz; Cha Over Limit dB	peak peak annel:High Detector



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	Dianzation.⊓	orizontal:	Modulation:n	: bandwid	th:20MHz: 0	Channel:Low
Frequency		Factor	Emission	Limit	Over Limit	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	43.45	6.40	49.85	54	-4.15	peak
7236	34.41	10.76	45.17	54	-8.83	peak
9648	37.29	14.37	51.66	54	-2.34	peak
00.10	07.20		01100	0.	2.0 .	poun
Mode:a; Po	olarization:V	ertical; M	odulation:n; b	oandwidth:	20MHz; Cha	annel:Low
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	38.44	6.40	44.84	54	-9.16	peak
7236	37.65	10.76	48.41	54	-5.59	peak
9648	34.80	14.37	49.17	54	-4.83	peak
Mode:a; Po	olarization:H	orizontal;	Modulation:n	; bandwid	th:20MHz; C	Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	43.83	6.92	50.75	54	-3.25	peak
7311	35.98	11.08	47.06	54	-6.94	peak
9748	35.11	14.36	49.47	54	-4.53	peak
			odulation:n; b			
Frequency		Factor	Emission	Limit	Over Limit	Detector
MHz						
	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	41.80	6.92	48.72	54	-5.28	peak
7311	41.80 34.35	6.92 11.08	48.72 45.43	54 54	-5.28 -8.57	peak
	41.80	6.92	48.72	54	-5.28	-
7311 9748	41.80 34.35 36.88	6.92 11.08 14.36	48.72 45.43 51.24	54 54 54	-5.28 -8.57 -2.76	peak peak
7311 9748 Mode:a; Po	41.80 34.35 36.88 blarization:H	6.92 11.08 14.36 orizontal;	48.72 45.43 51.24 Modulation:n	54 54 54 ; bandwid	-5.28 -8.57 -2.76 th:20MHz; (	peak peak Channel:High
7311 9748 Mode:a; Po Frequency	41.80 34.35 36.88 blarization:H RX_R	6.92 11.08 14.36 lorizontal; Factor	48.72 45.43 51.24 Modulation:n Emission	54 54 54 ; bandwid Limit	-5.28 -8.57 -2.76 th:20MHz; ( Over Limit	peak peak Channel:High
7311 9748 Mode:a; Po Frequency MHz	41.80 34.35 36.88 Dlarization:H RX_R dBuV	6.92 11.08 14.36 orizontal; Factor dB	48.72 45.43 51.24 Modulation:n Emission dBuV/m	54 54 54 ; bandwid Limit dBuV/m	-5.28 -8.57 -2.76 th:20MHz; 0 Over Limit dB	peak peak Channel:High Detector
7311 9748 Mode:a; Po Frequency MHz 4924	41.80 34.35 36.88 blarization:H RX_R dBuV 38.10	6.92 11.08 14.36 forizontal; Factor dB 7.31	48.72 45.43 51.24 Modulation:n Emission dBuV/m 45.41	54 54 54 ; bandwid Limit dBuV/m 54	-5.28 -8.57 -2.76 th:20MHz; ( Over Limit dB -8.59	peak peak Channel:High Detector peak
7311 9748 Mode:a; Po Frequency MHz 4924 7386	41.80 34.35 36.88 Dlarization:H RX_R dBuV 38.10 34.36	6.92 11.08 14.36 lorizontal; Factor dB 7.31 11.41	48.72 45.43 51.24 Modulation:n Emission dBuV/m 45.41 45.77	54 54 54 ; bandwid Limit dBuV/m 54 54	-5.28 -8.57 -2.76 th:20MHz; 0 Over Limit dB -8.59 -8.23	peak peak Channel:High Detector peak peak
7311 9748 Mode:a; Po Frequency MHz 4924	41.80 34.35 36.88 blarization:H RX_R dBuV 38.10	6.92 11.08 14.36 forizontal; Factor dB 7.31	48.72 45.43 51.24 Modulation:n Emission dBuV/m 45.41	54 54 54 ; bandwid Limit dBuV/m 54	-5.28 -8.57 -2.76 th:20MHz; ( Over Limit dB -8.59	peak peak Channel:High Detector peak
7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848	41.80 34.35 36.88 blarization:H RX_R dBuV 38.10 34.36 32.09	6.92 11.08 14.36 orizontal; Factor dB 7.31 11.41 14.38	48.72 45.43 51.24 Modulation:n Emission dBuV/m 45.41 45.77	54 54 54 r; bandwid Limit dBuV/m 54 54 54	-5.28 -8.57 -2.76 th:20MHz; 0 Over Limit dB -8.59 -8.23 -7.53	peak peak Channel:High Detector  peak peak peak peak
7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848	41.80 34.35 36.88 Dlarization:H RX_R dBuV 38.10 34.36 32.09	6.92 11.08 14.36 orizontal; Factor dB 7.31 11.41 14.38	48.72 45.43 51.24 Modulation:n Emission dBuV/m 45.41 45.77 46.47	54 54 54 r; bandwid Limit dBuV/m 54 54 54	-5.28 -8.57 -2.76 th:20MHz; 0 Over Limit dB -8.59 -8.23 -7.53	peak peak Channel:High Detector  peak peak peak peak annel:High
7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848 Mode:a; Po	41.80 34.35 36.88 Dlarization:H RX_R dBuV 38.10 34.36 32.09	6.92 11.08 14.36 lorizontal; Factor dB 7.31 11.41 14.38	48.72 45.43 51.24 Modulation:n Emission dBuV/m 45.41 45.77 46.47	54 54 54 ; bandwid Limit dBuV/m 54 54 54 oandwidth:	-5.28 -8.57 -2.76 th:20MHz; 0 Over Limit dB -8.59 -8.23 -7.53	peak peak Channel:High Detector  peak peak peak peak annel:High
7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848 Mode:a; Po Frequency	41.80 34.35 36.88 blarization:H RX_R dBuV 38.10 34.36 32.09 blarization:V RX_R	6.92 11.08 14.36 orizontal; Factor dB 7.31 11.41 14.38 ertical; M	48.72 45.43 51.24 Modulation:n Emission dBuV/m 45.41 45.77 46.47 odulation:n; k	54 54 54 ; bandwid Limit dBuV/m 54 54 54 candwidth: Limit	-5.28 -8.57 -2.76  th:20MHz; COVER LIMIT dB -8.59 -8.23 -7.53  20MHz; Cha	peak peak Channel:High Detector  peak peak peak peak annel:High
7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848 Mode:a; Po Frequency MHz	41.80 34.35 36.88 Dlarization:H RX_R dBuV 38.10 34.36 32.09 Dlarization:V RX_R dBuV	6.92 11.08 14.36  lorizontal; Factor dB 7.31 11.41 14.38  lertical; M Factor dB	48.72 45.43 51.24 Modulation:n Emission dBuV/m 45.41 45.77 46.47 odulation:n; k Emission dBuV/m	54 54 54 c; bandwid Limit dBuV/m 54 54 54 candwidth: Limit dBuV/m	-5.28 -8.57 -2.76  th:20MHz; Cover Limit dB -8.59 -8.23 -7.53  20MHz; Character Cover Limit dB	peak peak Channel:High Detector  peak peak peak peak annel:High Detector
7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848 Mode:a; Po Frequency MHz 4924	41.80 34.35 36.88 blarization:H RX_R dBuV 38.10 34.36 32.09 blarization:V RX_R dBuV 39.16	6.92 11.08 14.36 lorizontal; Factor dB 7.31 11.41 14.38 lertical; M Factor dB 7.31	48.72 45.43 51.24 Modulation:n Emission dBuV/m 45.41 45.77 46.47 odulation:n; k Emission dBuV/m 46.47	54 54 54 c; bandwid Limit dBuV/m 54 54 coandwidth: Limit dBuV/m 54	-5.28 -8.57 -2.76  th:20MHz; COVER Limit dB -8.59 -8.23 -7.53  20MHz; Character Cover Limit dB -7.53	peak peak Channel:High Detector  peak peak peak peak annel:High Detector



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Mode:a; Po	larization:F	lorizontal;	Modulation:r	n; bandwid	lth:40MHz;(	Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4844	41.24	6.60	47.84	54	-6.16	peak
7266	39.72	10.89	50.61	54	-3.39	peak
9688	35.87	14.35	50.22	54	-3.78	peak
					401411 01	
			odulation:n;			
Frequency	RX_R	Factor		Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4844	43.83	6.60	50.43	54	-3.57	peak
7266	37.33	10.89	48.22	54	-5.78	peak
9688	32.08	14.35	46.43	54	-7.57	peak
Mode:a; Po	larization:F	lorizontal;	Modulation:r	n; bandwid	th:40MHz;(	Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	39.01	6.92	45.93	54	-8.07	peak
7311	38.14	11.08	49.22	54	-4.78	peak
9748	32.17	14.36	46.53	54	-7.47	peak
Modera: Po	larization:\/	/ertical· M	odulation:n:	handwidth:	40MHz: Cha	annel·middle
			odulation:n;			
Frequency	RX_R	Factor	Emission	Limit	Over Limit	
Frequency MHz	RX_R dBuV	Factor dB	Emission dBuV/m	Limit dBuV/m	Over Limit dB	Detector
Frequency MHz 4874	RX_R dBuV 38.93	Factor dB 6.92	Emission dBuV/m 45.85	Limit dBuV/m 54	Over Limit dB -8.15	Detector
Frequency MHz	RX_R dBuV 38.93 37.72	Factor dB 6.92 11.08	Emission dBuV/m 45.85 48.80	Limit dBuV/m 54 54	Over Limit dB -8.15 -5.20	Detector peak peak
Frequency MHz 4874 7311	RX_R dBuV 38.93	Factor dB 6.92	Emission dBuV/m 45.85	Limit dBuV/m 54	Over Limit dB -8.15	Detector
Frequency MHz 4874 7311 9748	RX_R dBuV 38.93 37.72 33.95	Factor dB 6.92 11.08 14.36	Emission dBuV/m 45.85 48.80 48.31 Modulation:r	Limit dBuV/m 54 54 54 n; bandwid	Over Limit dB -8.15 -5.20 -5.69 th:40MHz; 0	Detector  peak peak peak Channel:High
Frequency MHz 4874 7311 9748	RX_R dBuV 38.93 37.72 33.95	Factor dB 6.92 11.08 14.36	Emission dBuV/m 45.85 48.80 48.31	Limit dBuV/m 54 54 54	Over Limit dB -8.15 -5.20 -5.69	Detector  peak  peak  peak
Frequency MHz 4874 7311 9748 Mode:a; Po	RX_R dBuV 38.93 37.72 33.95	Factor dB 6.92 11.08 14.36	Emission dBuV/m 45.85 48.80 48.31 Modulation:r	Limit dBuV/m 54 54 54 n; bandwid	Over Limit dB -8.15 -5.20 -5.69 th:40MHz; 0	Detector  peak peak peak Channel:High
Frequency MHz 4874 7311 9748  Mode:a; Po Frequency	RX_R dBuV 38.93 37.72 33.95 larization:F	Factor dB 6.92 11.08 14.36 Horizontal; Factor	Emission dBuV/m 45.85 48.80 48.31 Modulation:r Emission	Limit dBuV/m 54 54 54 54 this bandwidd Limit	Over Limit dB -8.15 -5.20 -5.69 th:40MHz; COver Limit	Detector  peak peak peak Channel:High
Frequency MHz 4874 7311 9748  Mode:a; Po Frequency MHz	RX_R dBuV 38.93 37.72 33.95 larization:H RX_R dBuV	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB	Emission dBuV/m 45.85 48.80 48.31 Modulation:r Emission dBuV/m	Limit dBuV/m 54 54 54 54 ir; bandwid Limit dBuV/m	Over Limit dB -8.15 -5.20 -5.69 th:40MHz; 0 Over Limit dB	peak peak peak Peak Channel:High Detector
Frequency MHz 4874 7311 9748  Mode:a; Po Frequency MHz 4904	RX_R dBuV 38.93 37.72 33.95 larization:H RX_R dBuV 39.34	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22	Emission dBuV/m 45.85 48.80 48.31 Modulation:r Emission dBuV/m 46.56	Limit dBuV/m 54 54 54 th; bandwid Limit dBuV/m 54	Over Limit  dB  -8.15  -5.20  -5.69  Ith:40MHz; Over Limit  dB  -7.44	peak peak peak Channel:High Detector peak
Frequency MHz 4874 7311 9748  Mode:a; Po Frequency MHz 4904 7356 9808	RX_R dBuV 38.93 37.72 33.95 larization:H RX_R dBuV 39.34 37.34 34.15	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37	Emission dBuV/m 45.85 48.80 48.31 Modulation:r Emission dBuV/m 46.56 48.62	Limit dBuV/m 54 54 54 in; bandwid Limit dBuV/m 54 54 54	Over Limit  dB  -8.15  -5.20  -5.69  th:40MHz; 0  Over Limit  dB  -7.44  -5.38  -5.48	peak peak peak Channel:High Detector  peak peak peak peak peak
Frequency MHz 4874 7311 9748  Mode:a; Po Frequency MHz 4904 7356 9808	RX_R dBuV 38.93 37.72 33.95 larization:H RX_R dBuV 39.34 37.34 34.15	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37	Emission dBuV/m 45.85 48.80 48.31 Modulation:r Emission dBuV/m 46.56 48.62 48.52	Limit dBuV/m 54 54 54 in; bandwid Limit dBuV/m 54 54 54	Over Limit  dB  -8.15  -5.20  -5.69  th:40MHz; 0  Over Limit  dB  -7.44  -5.38  -5.48	peak peak peak Channel:High Detector  peak peak peak peak annel:High
Frequency MHz 4874 7311 9748  Mode:a; Po Frequency MHz 4904 7356 9808  Mode:a; Po Frequency	RX_R dBuV 38.93 37.72 33.95  Iarization:H RX_R dBuV 39.34 37.34 34.15  Iarization:V RX_R	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37 Vertical; M	Emission dBuV/m 45.85 48.80 48.31  Modulation:r Emission dBuV/m 46.56 48.62 48.52  odulation:n; Emission	Limit dBuV/m 54 54 54 n; bandwid Limit dBuV/m 54 54 54 bandwidth: Limit	Over Limit dB -8.15 -5.20 -5.69  th:40MHz; COVER Limit dB -7.44 -5.38 -5.48  40MHz; Cha	peak peak peak Channel:High Detector  peak peak peak peak annel:High
Frequency MHz 4874 7311 9748  Mode:a; Po Frequency MHz 4904 7356 9808  Mode:a; Po Frequency MHz	RX_R dBuV 38.93 37.72 33.95 larization:H RX_R dBuV 39.34 37.34 34.15 larization:V RX_R dBuV	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37 Vertical; M Factor dB	Emission dBuV/m 45.85 48.80 48.31  Modulation:r Emission dBuV/m 46.56 48.62 48.52  odulation:n; Emission dBuV/m	Limit dBuV/m 54 54 54 n; bandwid Limit dBuV/m 54 54 54 bandwidth: Limit dBuV/m	Over Limit dB -8.15 -5.20 -5.69  th:40MHz; Over Limit dB -7.44 -5.38 -5.48  40MHz; Cha	peak peak peak Channel:High Detector  peak peak peak peak peak peak peak Detector
Frequency MHz 4874 7311 9748  Mode:a; Po Frequency MHz 4904 7356 9808  Mode:a; Po Frequency MHz 4904	RX_R dBuV 38.93 37.72 33.95 larization:H RX_R dBuV 39.34 37.34 34.15 larization:V RX_R dBuV 40.24	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37 Vertical; M Factor dB 7.22	Emission dBuV/m 45.85 48.80 48.31  Modulation:r Emission dBuV/m 46.56 48.62 48.52  odulation:n; Emission dBuV/m 47.46	Limit dBuV/m 54 54 54 n; bandwid Limit dBuV/m 54 54 bandwidth: Limit dBuV/m 54	Over Limit  dB  -8.15  -5.20  -5.69  th:40MHz; O  Over Limit  dB  -7.44  -5.38  -5.48  40MHz; Cha  Over Limit  dB  -6.54	peak peak peak Channel:High Detector  peak peak peak peak peak peak peak pea
Frequency MHz 4874 7311 9748  Mode:a; Po Frequency MHz 4904 7356 9808  Mode:a; Po Frequency MHz	RX_R dBuV 38.93 37.72 33.95 larization:H RX_R dBuV 39.34 37.34 34.15 larization:V RX_R dBuV	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37 Vertical; M Factor dB	Emission dBuV/m 45.85 48.80 48.31  Modulation:r Emission dBuV/m 46.56 48.62 48.52  odulation:n; Emission dBuV/m	Limit dBuV/m 54 54 54 n; bandwid Limit dBuV/m 54 54 54 bandwidth: Limit dBuV/m	Over Limit dB -8.15 -5.20 -5.69  th:40MHz; Over Limit dB -7.44 -5.38 -5.48  40MHz; Cha	peak peak peak Channel:High Detector  peak peak peak peak peak peak peak Detector



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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 -