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TEST REPORT

Application No.: SHEM1808007277CR

FCC ID: 2ADTD-I00C10C **IC ID:** 20199-I00C10C

Applicant: Hangzhou Hikvision Digital Technology Co., Ltd.

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

Manufacturer: Hangzhou Hikvison Digital Technology Co., Ltd

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

Factory:

1. Hangzhou Hikvision Technology Co., Ltd.

Hangzhou Hikvision Electronics Co., Ltd.
 Chongging Hikvision technology Co., LTD.

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

310052, China

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

County, Hangzhou, Zhejiang, 310052, China

3. Building 32, Area C, Jianqiao Industrial Park, Dadukou District,

Chongqing.

Equipment Under Test (EUT):

EUT Name: NETWORK CAMERA **Model No.:** HWC-C120-D/W

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

RSS-247 Issue 2, February 2017 RSS-Gen Issue 5, April 2018

 Date of Receipt:
 2018-08-28

 Date of Test:
 2018-09-04

 Date of Issue:
 2018-09-19

Test Result: Pass*

^{*} 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		2018-09-19	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	Result			
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			

Radio Spectrum Matter Part								
ltem	Standard	Method	Requirement	Result				
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass				
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				
99% Bandwidth	RSS-247 Issue 2, February 2017	ANSI C63.10 Section 6.9.3	RSS-Gen Section 6.6	Pass				



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 5V by adapter Test voltage: AC 120V 60Hz

Cable: DC Cable 1.5m for Adapter

Antenna Gain 2.4 dBi

Antenna Type Integral 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	Description Manufacturer		Serial No.
Laptop	Lenovo	ThinkPad X100e	/
SecureCRT	VanDyke	V 6.2.0	/
Serial port adapter plate	/	Test Plate 3	/
Adapter	1	ED2-050100UE	/



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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
8	DE Dodicted newer	4.5dB (Below 1GHz)
0	RF Radiated power	4.8dB (Above 1GHz)
		4.2dB (Below 30MHz)
9	Dadiated Caurious emission test	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:

SGS-CSTC Standards Technical Services Co., Ltd. Shanghai 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 D							
Conducted Emission at AC					- 2 2.0 - 2.10		
EMI test receiver	R&S	ESR7	SHEM162-1	2017-12-20	2018-12-19		
LISN	Schwarzbeck	NSLK8127	SHEM061-1	2017-12-20	2018-12-19		
LISN	EMCO	3816/2	SHEM019-1	2017-12-20	2018-12-19		
Pulse limiter	R&S	ESH3-Z2	SHEM029-1	2017-12-20	2018-12-19		
CE test Cable	/	CE01	/	2017-12-26	2018-12-25		
Conducted Test	,	0_0.	,		1 20:0 :2 20		
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2017-12-20	2018-12-19		
Spectrum Analyzer	Agilent	N9020A	SHEM181-1	2018-08-13	2019-08-12		
Signal Generator	R&S	SMR20	SHEM006-1	2018-08-13	2019-08-12		
Signal Generator	Agilent	N5182A	SHEM182-1	2018-08-13	2019-08-12		
Communication Tester	R&S	CMW270	SHEM183-1	2018-08-13	2019-08-12		
Switcher	Tonscend	JS0806	SHEM184-1	2018-08-13	2019-08-12		
Power Sensor	Keysight	U2021XA * 4	SHEM184-1	2018-08-13	2019-08-12		
Splitter	Anritsu	MA1612A	SHEM185-1	1	/		
Coupler	e-meca	803-S-1	SHEM186-1	/	/		
High-low Temp Cabinet	Suzhou Zhihe	TL-40	SHEM087-1	2017-09-25	2020-09-24		
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~RF04	/	2017-12-26	2018-12-25		
Radiated Test	l	I	I		•		
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)	CLAVIIO	BDLNA-0001	SHEM164-1	2018-08-13	2019-08-12		
Pre-amplifier (1-18GHz)	CLAVIIO	BDLNA-0118	SHEM050-2	2018-08-13	2019-08-12		
High-amplifier (14-40GHz)	Schwarzbeck	10001	SHEM049-2	2017-12-20	2018-12-19		
Signal Generator	R&S	SMR40	SHEM058-1	2018-08-13	2019-08-12		
Band Filter	LORCH	9BRX-875/X150	SHEM156-1	/	/		
Band Filter	LORCH	13BRX-1950/X500	SHEM083-2	/	/		
Band Filter	LORCH	5BRX-2400/X200	SHEM155-1	/	/		
Band Filter	LORCH	5BRX-5500/X1000	SHEM157-2	/	/		
High pass Filter	Wainwright	WHK3.0/18G	SHEM157-1	/	/		
High pass Filter	Wainwright	WHKS1700	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:

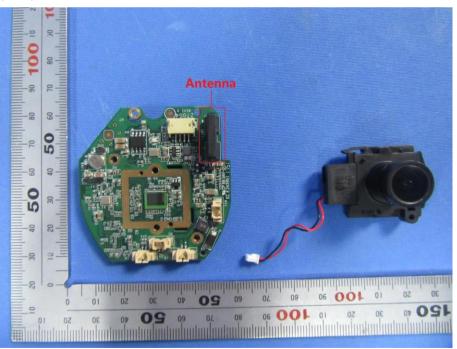
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 Integral Antenna and no consideration of replacement. The best case gain of the antenna is 2.4dBi.





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7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

	Conducted limit(dBμV)			
Frequency of emission(MHz)	Quasi-peak	Average		
0.15-0.5	66 to 56*	56 to 46*		
0.5-5	56	46		
5-30	60	50		
*Decreases with the logarithm of the f	requency.			



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7.1.1 E.U.T. Operation

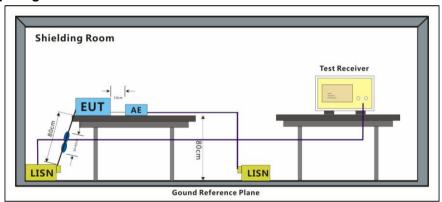
Operating Environment:

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



7.1.3 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50 \text{ohm}/50 \mu\text{H}$ + 5 ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

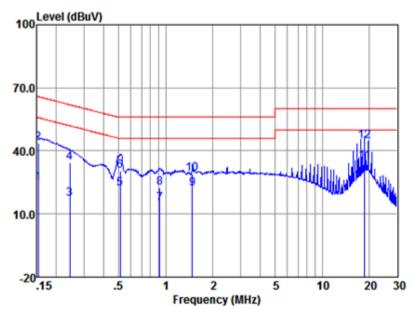
Remark: LISN=Read Level+ Cable Loss+ LISN Factor



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Mode:a; Line:Live Line



LISN : LINE

Test mode : a

	Freq	Read	LISN	Cable	Emission		0ver	
		level	Factor	Loss	Level	Limit	Limit	Remark
	(MHz)	(dBuV)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.15	14.90	0.05	9.82	24.77	55.87	-31.10	Average
2	0.15	33.99	0.05	9.82	43.86	65.87	-22.01	QP
3	0.24	7.36	0.05	9.85	17.26	52.00	-34.74	Average
4	0.24	24.47	0.05	9.85	34.37	62.00	-27.63	QP
5	0.51	12.05	0.05	9.78	21.88	46.00	-24.12	Average
6	0.51	20.87	0.05	9.78	30.70	56.00	-25.30	QP
7	0.91	5.18	0.05	9.87	15.10	46.00	-30.90	Average
8	0.91	12.39	0.05	9.87	22.31	56.00	-33.69	QP
9	1.48	12.26	0.05	9.86	22.17	46.00	-23.83	Average
10	1.48	19.23	0.05	9.86	29.14	56.00	-26.86	QP
11	18.72	24.62	0.30	9.81	34.73	50.00	-15.27	Average
12	18.72	34.64	0.30	9.81	44.75	60.00	-15.25	QP

Notes: Emission Level = Read Level +LISN Factor + Cable loss

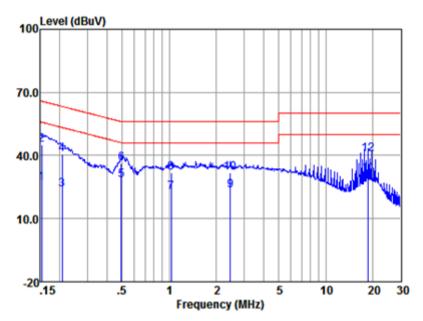




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Mode:a; Line:Neutral Line



LISN : NEUTRAL

Test mode : a

	Freq	Read	LISN	Cable	Emission	١	0ver	
		level	Factor	Loss	Level	Limit	Limit	Remark
	(MHz)	(dBuV)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.15	16.84	0.06	9.82	26.72	55.87	-29.15	Average
2	0.15	35.24	0.06	9.82	45.12	65.87	-20.75	QP
3	0.21	13.85	0.06	9.83	23.74	53.36	-29.62	Average
4	0.21	30.87	0.06	9.83	40.76	63.36	-22.60	QP
5	0.49	18.20	0.05	9.80	28.05	46.10	-18.05	Average
6	0.49	26.54	0.05	9.80	36.39	56.10	-19.71	QP
7	1.03	12.76	0.05	9.78	22.59	46.00	-23.41	Average
8	1.03	21.98	0.05	9.78	31.81	56.00	-24.19	QP
9	2.46	13.54	0.07	9.91	23.52	46.00	-22.48	Average
10	2.46	22.00	0.07	9.91	31.98	56.00	-24.02	QP
11	18.72	21.20	0.31	9.81	31.32	50.00	-18.68	Average
12	18.72	30.50	0.31	9.81	40.62	60.00	-19.38	QP

star Friedrick Lovel - Bood Lovel JIEN Footon - Coble love

Notes: Emission Level = Read Level +LISN Factor + Cable loss



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7.2 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

7.2.1 E.U.T. Operation

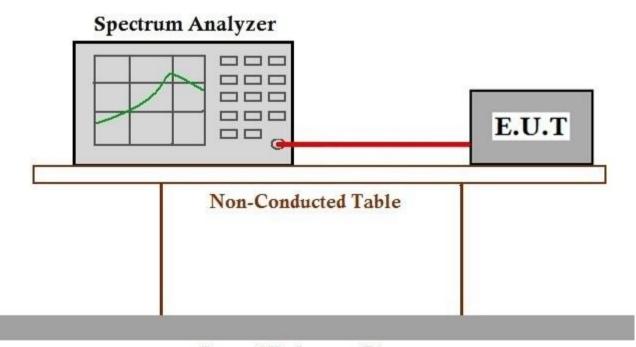
Operating Environment:

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 for SHEM180800727701.



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7.3 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

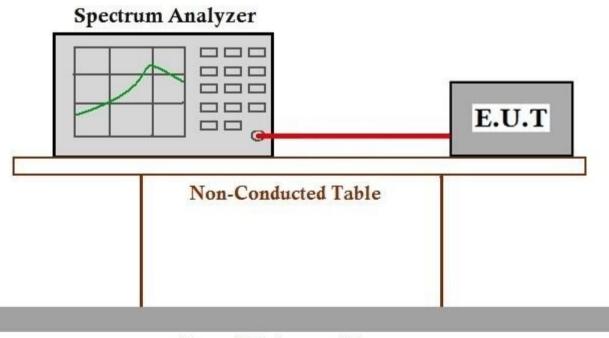
7.3.1 E.U.T. Operation

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

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 for SHEM180800727701.

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7.4 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

7.4.1 E.U.T. Operation

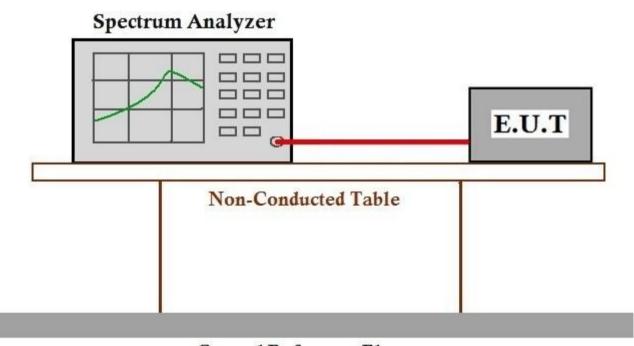
Operating Environment:

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

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

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 for SHEM180800727701.



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7.5 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 f

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)

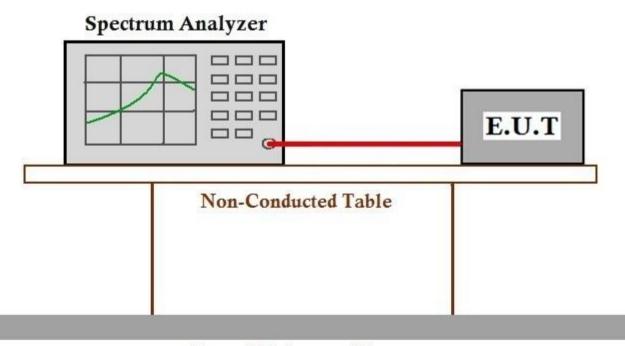
7.5.1 E.U.T. Operation

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 for SHEM180800727701.

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7.6 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)

7.6.1 E.U.T. Operation

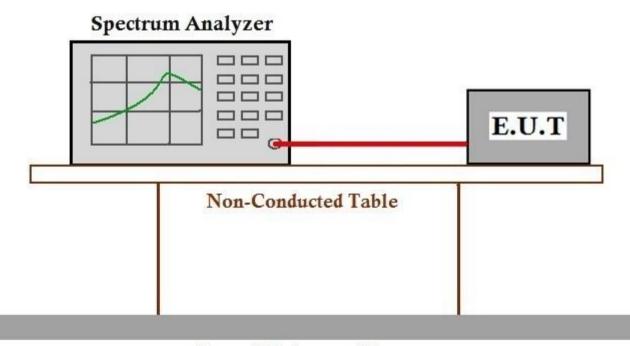
Operating Environment:

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.

7.6.2 Test Setup Diagram



Ground Reference Plane

7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SHEM180800727701.

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7.7 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.

7.7.1 E.U.T. Operation

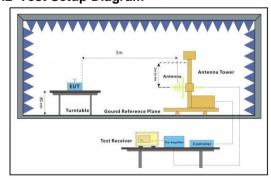
Operating Environment:

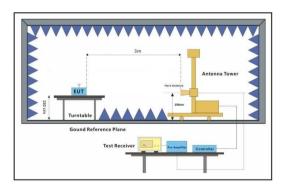
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

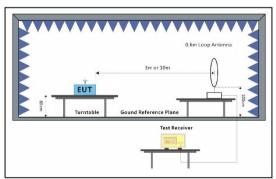
Test mode a:Engineering Mode_Using test software to control EUT working in continuous

transmitting, and select channel and modulation type.

7.7.2 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.

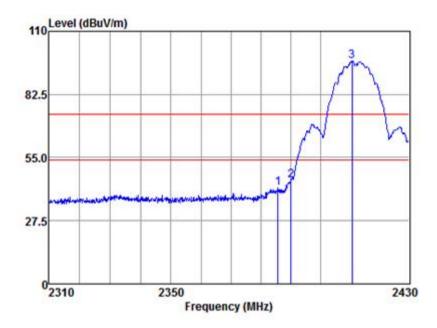
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna,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

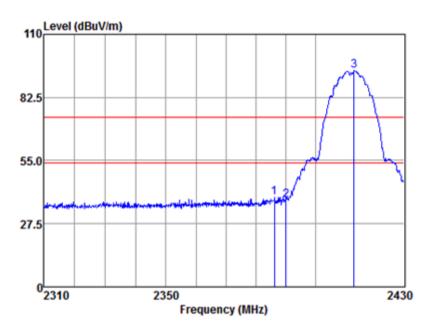
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Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2385.62	46.62	26.03	6.47	37.36	41.76	74.00	-32.24	Peak
2390.00	49.77	26.03	6.47	37.36	44.91	74.00	-29.09	Peak
2410.63	101.70	26.06	6.50	37.35	96.91	74.00	22.91	Peak



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



Antenna Polarity : VERTICAL

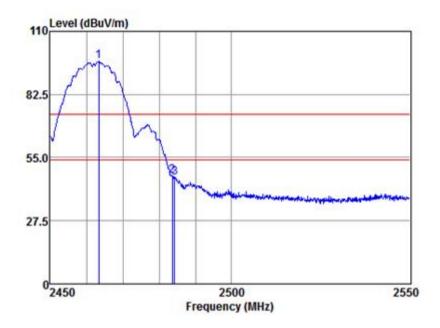
		Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Fre	q	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MH	Z	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2386.	22	43.67	26.03	6.47	37.36	38.81	74.00	-35.19	Peak
2390.	00	42.48	26.03	6.47	37.36	37.62	74.00	-36.38	Peak
2413.	08	98.90	26.08	6.50	37.36	94.12	74.00	20.12	Peak



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



Antenna Polarity : HORIZONTAL

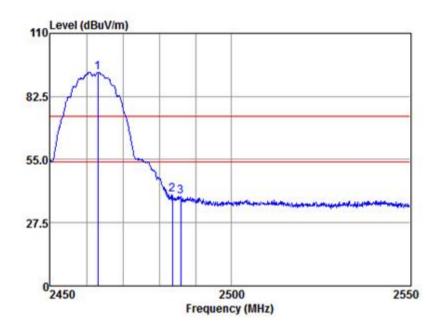
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2463.27	101.44	26.15	6.68	37.46	96.81	74.00	22.81	Peak
2483.50	51.66	26.18	6.80	37.51	47.13	74.00	-26.87	Peak
2484.25	50.78	26.18	6.80	37.51	46.25	74.00	-27.75	Peak



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



Antenna Polarity : VERTICAL

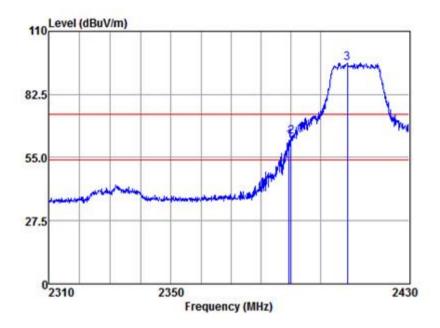
	Read	Antenna	Cable	Preamp	Emission	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2463.07	97.78	26.15	6.68	37.46	93.15	74.00	19.15	Peak
2483.50	44.37	26.18	6.80	37.51	39.84	74.00	-34.16	Peak
2485.84	43.53	26.18	6.80	37.51	39.00	74.00	-35.00	Peak



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



Antenna Polarity : HORIZONTAL

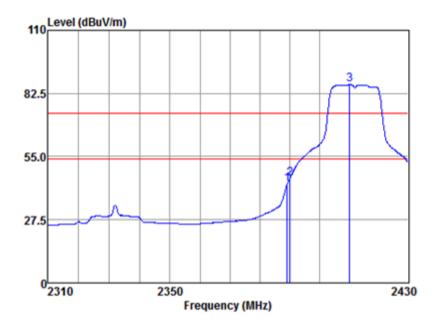
Read	Antenna	Cable	Preamp	Emission	Limit	Over	
Level	Factor	Loss	Factor	Level	Line	Limit	Remark
dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
67.22	26.03	6.47	37.36	62.36	74.00	-11.64	Peak
68.80	26.03	6.47	37.36	63.94	74.00	-10.06	Peak
101.19	26.06	6.50	37.35	96.40	74.00	22.40	Peak
	dBuv 67.22 68.80	Level Factor dBuv dB/m 67.22 26.03 68.80 26.03	dBuv dB/m dB 67.22 26.03 6.47 68.80 26.03 6.47	dBuv dB/m dB dB 67.22 26.03 6.47 37.36 68.80 26.03 6.47 37.36	dBuv dB/m dB dB dBuv/m 67.22 26.03 6.47 37.36 62.36 68.80 26.03 6.47 37.36 63.94	Level Factor Loss Factor Level Line dBuv dB/m dB dBuv/m dBuv/m dBuv/m 67.22 26.03 6.47 37.36 62.36 74.00 68.80 26.03 6.47 37.36 63.94 74.00	Level Factor Loss Factor Level Line Limit dBuv dB/m dB dB uv/m dBuv/m dB uv/m dB 67.22 26.03 6.47 37.36 62.36 74.00 -11.64 68.80 26.03 6.47 37.36 63.94 74.00 -10.06



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



Antenna Polarity : HORIZONTAL

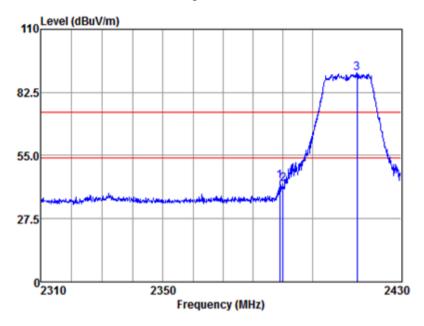
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.12	47.70	26.03	6.47	37.36	42.84	54.00	-11.16	Average
2390.00	50.12	26.03	6.47	37.36	45.26	54.00	-8.74	Average
2410.27	91.15	26.06	6.50	37.35	86.36	54.00	32.36	Average



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



Antenna Polarity : VERTICAL

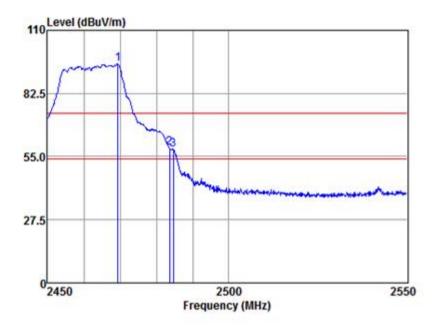
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.00	48.83	26.03	6.47	37.36	43.97	74.00	-30.03	Peak
2390.00	47.63	26.03	6.47	37.36	42.77	74.00	-31.23	Peak
2415.16	95.77	26.08	6.50	37.36	90.99	74.00	16.99	Peak



Report No.: SHEM180800727701

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



Antenna Polarity : HORIZONTAL

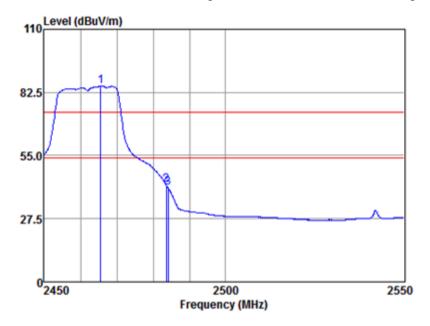
Freq				T.	Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2469.39	99.94	26.16	6.74	37.48	95.36	74.00	21.36	Peak
2483.50	63.55	26.18	6.80	37.51	59.02	74.00	-14.98	Peak
2484.55	62.63	26.18	6.80	37.51	58.10	74.00	-15.90	Peak



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



Antenna Polarity : HORIZONTAL

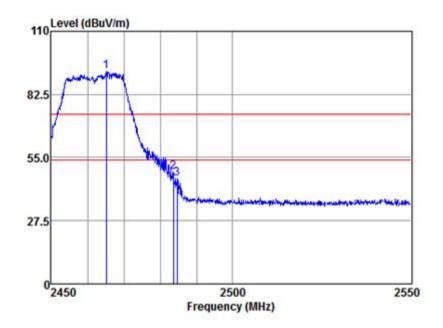
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2465.54	89.73	26.15	6.74	37.46	85.16	54.00	31.16	Average
2483.50	46.77	26.18	6.80	37.51	42.24	54.00	-11.76	Average
2484.05	45.46	26.18	6.80	37.51	40.93	54.00	-13.07	Average



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



Antenna Polarity : VERTICAL

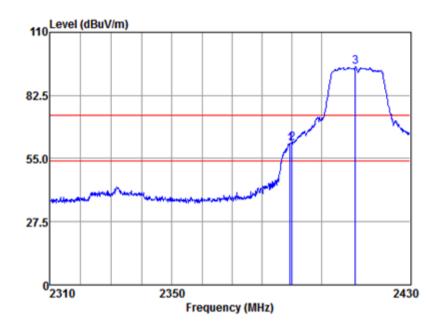
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2465.14	97.00	26.15	6.74	37.46	92.43	74.00	18.43	Peak
2483.50	53.19	26.18	6.80	37.51	48.66	74.00	-25.34	Peak
2484.55	50.43	26.18	6.80	37.51	45.90	74.00	-28.10	Peak



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



Antenna Polarity : HORIZONTAL

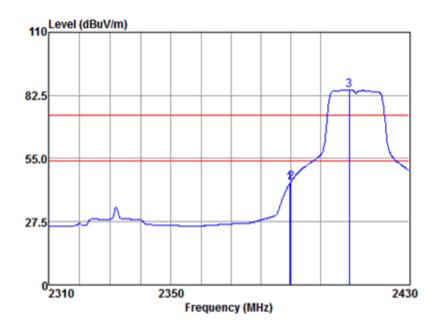
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.36	66.25	26.03	6.47	37.36	61.39	74.00	-12.61	Peak
2390.00	66.67	26.03	6.47	37.36	61.81	74.00	-12.19	Peak
2411.49	99.80	26.08	6.50	37.36	95.02	74.00	21.02	Peak



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



Antenna Polarity : HORIZONTAL

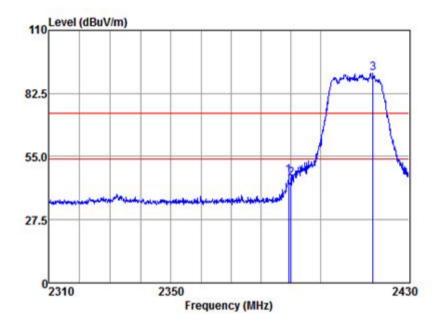
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.61	48.97	26.03	6.47	37.36	44.11	54.00	-9.89	Average
2390.00	49.57	26.03	6.47	37.36	44.71	54.00	-9.29	Average
2409.78	89.65	26.06	6.50	37.35	84.86	54.00	30.86	Average



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



Antenna Polarity : VERTICAL

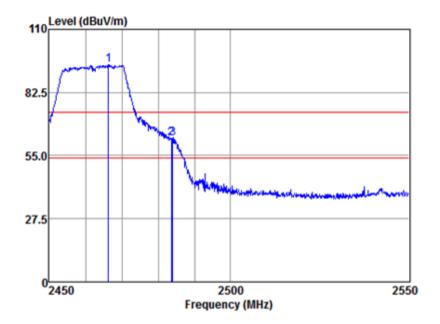
-	Read				Emission			D
Freq	rever	Factor	LOSS	Factor	Level	Line	Limit	Kemark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.24	51.67	26.03	6.47	37.36	46.81	74.00	-27.19	Peak
2390.00	50.29	26.03	6.47	37.36	45.43	74.00	-28.57	Peak
2417.85	96.07	26.08	6.56	37.36	91.35	74.00	17.35	Peak



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



Antenna Polarity :HORIZONTAL

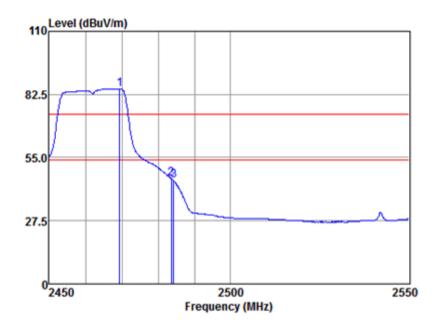
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2466.23	99.14	26.15	6.74	37.46	94.57	74.00	20.57	Peak
2483.50	67.10	26.18	6.80	37.51	62.57	74.00	-11.43	Peak
2483.95	67.20	26.18	6.80	37.51	62.67	74.00	-11.33	Peak



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



Antenna Polarity : HORIZONTAL

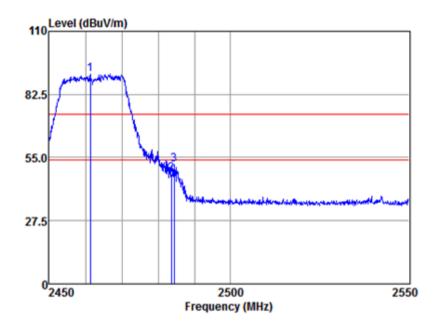
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2469.29	89.53	26.16	6.74	37.48	84.95	54.00	30.95	Average
2483.50	50.54	26.18	6.80	37.51	46.01	54.00	-7.99	Average
2484.15	49.60	26.18	6.80	37.51	45.07	54.00	-8.93	Average



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



Antenna Polarity : VERTICAL

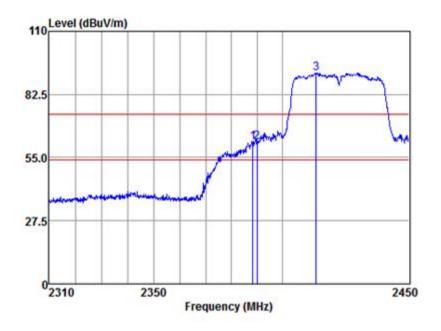
Freq				-	Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2461.30	95.84	26.15	6.68	37.46	91.21	74.00	17.21	Peak
2483.50	52.46	26.18	6.80	37.51	47.93	74.00	-26.07	Peak
2484.35	56.48	26.18	6.80	37.51	51.95	74.00	-22.05	Peak



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



Antenna Polarity : HORIZONTAL

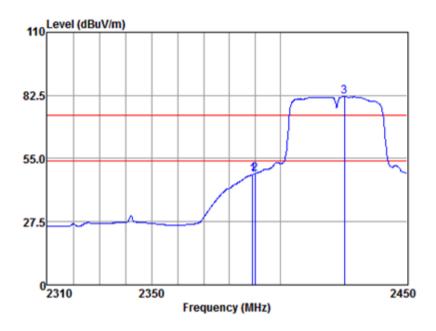
	Read	Antenna	Cable	Preamp	Emission	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2388.37	66.52	26.03	6.47	37.36	61.66	74.00	-12.34	Peak
2390.00	66.62	26.03	6.47	37.36	61.76	74.00	-12.24	Peak
2413.23	96.70	26.08	6.50	37.36	91.92	74.00	17.92	Peak



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



Antenna Polarity : HORIZONTAL

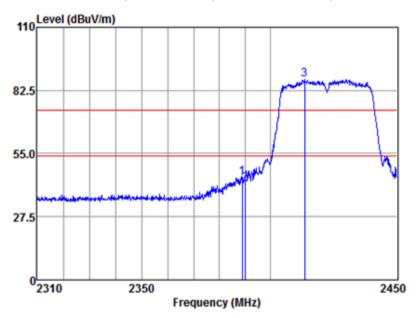
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.07	52.96	26.03	6.47	37.36	48.10	54.00	-5.90	Average
2390.00	53.29	26.03	6.47	37.36	48.43	54.00	-5.57	Average
2425.19	86.64	26.10	6.56	37.39	81.91	54.00	27.91	Average



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



Antenna Polarity : VERTICAL

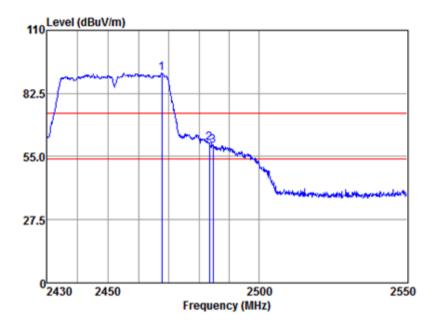
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2388.93	49.69	26.03	6.47	37.36	44.83	74.00	-29.17	Peak
2390.00	46.78	26.03	6.47	37.36	41.92	74.00	-32.08	Peak
2413.37	92.02	26.08	6.50	37.36	87.24	74.00	13.24	Peak



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



Antenna Polarity : HORIZONTAL

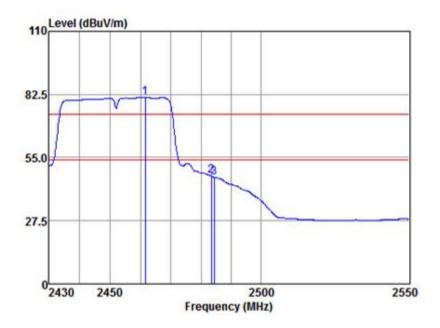
	Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2467.65	96.00	26.16	6.74	37.48	91.42	74.00	17.42	Peak
2483.50	65.51	26.18	6.80	37.51	60.98	74.00	-13.02	Peak
2484.72	64.19	26.18	6.80	37.51	59.66	74.00	-14.34	Peak



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



Antenna Polarity : HORIZONTAL

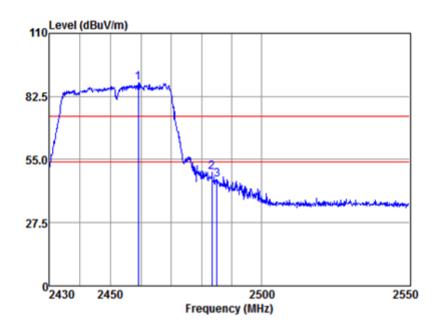
Freq	Read Level				Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2461.48	85.80	26.15	6.68	37.46	81.17	54.00	27.17	Average
2483.50	51.48	26.18	6.80	37.51	46.95	54.00	-7.05	Average
2484.36	50.89	26.18	6.80	37.51	46.36	54.00	-7.64	Average



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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	
2459.10	92.97	26.14	6.68	37.45	88.34	74.00	14.34	Peak
2483.50	54.19	26.18	6.80	37.51	49.66	74.00	-24.34	Peak
2485.20	51.00	26.18	6.80	37.51	46.47	74.00	-27.53	Peak



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7.8 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.

7.8.1 E.U.T. Operation

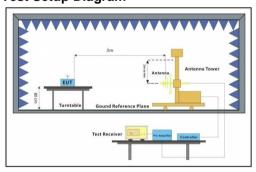
Operating Environment:

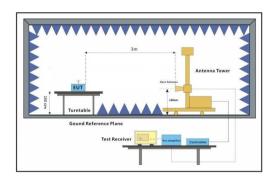
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

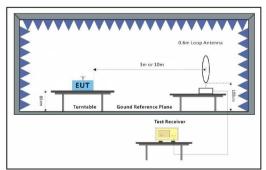
Test mode a:Engineering Mode_Using test software to control EUT working in continuous

transmitting, and select channel and modulation type.

7.8.2 Test Setup Diagram







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7.8.3 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) 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



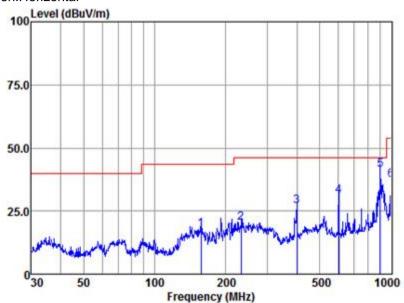


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Below 1GHz:

Mode:a; Polarization:Horizontal



Antenna Polarity : HORIZONTAL

Test mode :a

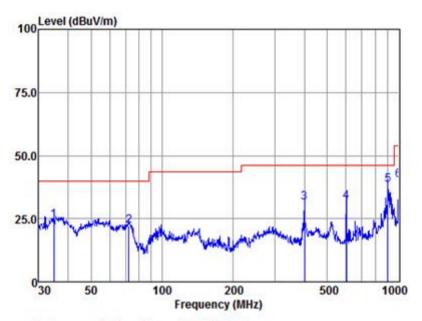
		Read	Antenna	Cable	Preamp	Emission	Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
1	157.01	48.09	12.77	0.63	43.74	17.75	43.50	-25.75	QP
2	232.53	52.37	10.81	0.74	43.66	20.26	46.00	-25.74	QP
3	400.43	54.40	15.10	1.00	43.59	26.91	46.00	-19.09	QP
4	601.43	53.40	19.42	1.38	43.24	30.96	46.00	-15.04	QP
5	900.15	59.17	22.70	2.45	42.87	41.45	46.00	-4.55	QP
6	1000.00	51.88	23.80	2.83	41.39	37.12	54.00	-16.88	QP



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Mode:a; Polarization:Vertical



Antenna Polarity : VERTICAL

Test mode :a

		Read	Antenna	Cable	Preamp	Emission	Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
1	34.76	52.07	15.81	0.20		24.40	40.00	-15.60	QP
2	72.34	55.06	10.59	0.35	43.74	22.26	40.00	-17.74	QP
3	400.43	58.80	15.10	1.00	43.59	31.31	46.00	-14.69	QP
4	601.43	54.22	19.42	1.38	43.24	31.78	46.00	-14.22	QP
5	900.15	56.16	22.70	2.45	42.87	38.44	46.00	-7.56	QP
6	1000.00	54.82	23.80	2.83	41.39	40.06	54.00	-13.94	QP

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Above 1GHz:

Polariz	ation:Ho	rizontal;	Modulat	tion:b; ba	andwidth:20M	Hz;	Channel:Low	
RX_R	Factor	Emission	Limit	Over Limit	Detector			
dBuV	dB	dBuV/m	dBuV/m	dB				
41.28	6.40	47.68	54	-6.32	peak			
39.21	10.76	49.97	54	-4.03	•			
					•			
00.00	1 1.07	10.20	0.	0.77	pour			
Dalasi	- C \ / -	.e l. NA				01		
						; Cr	nannei:Low	
_					Detector			
dBuV	dB	dBuV/m	dBuV/m					
41.68	6.40	48.08	54	-5.92	peak			
35.88	10.76	46.64	54	-7.36	peak			
33.56	14.37	47.93	54	-6.07	peak			
Polariz	ation:Ho	rizontal:	Modulat	ion:b: ba	andwidth:20M	Hz:	Channel:middle	е
						,		_
_								
					neak			
					•			
					•			
33.32	14.30	49.00	54	-4.32	peak			
						٠.		
Polariz	ation:Ve	rtical; Mo		n:b; band	lwidth:20MHz	; Cr	nannel:middle	
RX_R	Factor	Emission	Limit	Over Limit	Detector			
dBuV	dB	dBuV/m	dBuV/m	dB				
dBuV 39.85	dB 6.92	dBuV/m 46.77	dBuV/m 54	dB -7.23	peak			
					peak peak			
39.85	6.92	46.77	54	-7.23	•			
39.85 35.23	6.92 11.08	46.77 46.31	54 54	-7.23 -7.69	peak			
39.85 35.23 32.52	6.92 11.08 14.36	46.77 46.31 46.88	54 54 54	-7.23 -7.69 -7.12	peak peak	H ₂ .	Channel High	
39.85 35.23 32.52 Polariz	6.92 11.08 14.36 ation:Ho	46.77 46.31 46.88 rizontal;	54 54 54 Modulat	-7.23 -7.69 -7.12 tion:b; ba	peak peak andwidth:20M	Hz;	Channel:High	
39.85 35.23 32.52 Polariz RX_R	6.92 11.08 14.36 ation:Ho Factor	46.77 46.31 46.88 rizontal; Emission	54 54 54 Modulat Limit	-7.23 -7.69 -7.12 tion:b; ba	peak peak andwidth:20M	Hz;	Channel:High	
39.85 35.23 32.52 Polariz RX_R dBuV	6.92 11.08 14.36 ation:Ho Factor dB	46.77 46.31 46.88 rizontal; Emission dBuV/m	54 54 54 Modulat Limit dBuV/m	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB	peak peak andwidth:20M Detector	Hz;	Channel:High	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91	6.92 11.08 14.36 ation:Ho Factor dB 7.31	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22	54 54 54 Modulat Limit dBuV/m 54	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78	peak peak andwidth:20M Detector peak	Hz;	Channel:High	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17	54 54 54 Modulat Limit dBuV/m 54 54	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78 -6.83	peak peak andwidth:20M Detector peak peak	Hz;	Channel:High	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91	6.92 11.08 14.36 ation:Ho Factor dB 7.31	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22	54 54 54 Modulat Limit dBuV/m 54	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78	peak peak andwidth:20M Detector peak	Hz;	Channel:High	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92	54 54 54 Modulat Limit dBuV/m 54 54	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78 -6.83 -7.08	peak peak andwidth:20M Detector peak peak peak peak		_	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92	54 54 54 Modulat Limit dBuV/m 54 54	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78 -6.83 -7.08	peak peak andwidth:20M Detector peak peak		_	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92	54 54 54 Modulat Limit dBuV/m 54 54	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78 -6.83 -7.08	peak peak andwidth:20M Detector peak peak peak peak		_	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Ve	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92	54 54 54 Modulat Limit dBuV/m 54 54 54	-7.23 -7.69 -7.12 sion:b; ba Over Limit dB -7.78 -6.83 -7.08	peak peak andwidth:20M Detector peak peak peak peak		_	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz RX_R	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Vel	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92 rtical; Me	54 54 54 Modulat Limit dBuV/m 54 54 54 odulation Limit	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78 -6.83 -7.08 n:b; band Over Limit	peak peak andwidth:20M Detector peak peak peak peak		_	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz RX_R dBuV	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Ver	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92 rtical; Mo Emission dBuV/m	54 54 54 Modulat Limit dBuV/m 54 54 54 codulatior Limit dBuV/m	-7.23 -7.69 -7.12 sion:b; ba Over Limit dB -7.78 -6.83 -7.08 n:b; band Over Limit dB	peak peak andwidth:20M Detector peak peak peak peak dwidth:20MHz Detector		_	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz RX_R dBuV 40.34 38.39	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Vel Factor dB 7.31 11.41	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92 rtical; Mo Emission dBuV/m 47.65 49.80	54 54 54 Modulat Limit dBuV/m 54 54 codulation Limit dBuV/m 54 54 54 54	-7.23 -7.69 -7.12 sion:b; ba Over Limit dB -7.78 -6.83 -7.08 n:b; band Over Limit dB -6.35 -4.20	peak peak andwidth:20M Detector peak peak peak dwidth:20MHz Detector peak peak		_	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz RX_R dBuV 40.34	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Vel Factor dB 7.31	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92 rtical; Mo Emission dBuV/m 47.65	54 54 54 Modulat Limit dBuV/m 54 54 odulatior Limit dBuV/m 54	-7.23 -7.69 -7.12 sion:b; ba Over Limit dB -7.78 -6.83 -7.08 n:b; band Over Limit dB -6.35	peak peak andwidth:20M Detector peak peak peak peak Detector Detector		_	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz RX_R dBuV 40.34 38.39 31.46	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Ver GB 7.31 11.41 14.38	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92 rtical; Mo Emission dBuV/m 47.65 49.80 45.84	54 54 54 Modulat Limit dBuV/m 54 54 54 odulatior Limit dBuV/m 54 54 55 dBuV/m 54 54	-7.23 -7.69 -7.12 sion:b; ba Over Limit dB -7.78 -6.83 -7.08 n:b; band Over Limit dB -6.35 -4.20 -8.16	peak peak andwidth:20M Detector peak peak peak peak Detector peak peak peak	; Ch	nannel:High	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz RX_R dBuV 40.34 38.39 31.46	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Vel Factor dB 7.31 11.41 14.38	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92 rtical; Mo Emission dBuV/m 47.65 49.80 45.84	54 54 Modulat Limit dBuV/m 54 54 54 codulatior Limit dBuV/m 54 54 54 Modulat	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78 -6.83 -7.08 n:b; band Over Limit dB -6.35 -4.20 -8.16	peak peak andwidth:20M Detector peak peak peak dwidth:20MHz Detector peak peak peak peak andwidth:20M	; Ch		
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz RX_R dBuV 40.34 38.39 31.46 Polariz RX_R	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Vel Factor dB 7.31 11.41 14.38 ation:Ho Factor	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92 rtical; Mo Emission dBuV/m 47.65 49.80 45.84 rizontal; Emission	54 54 54 Modulat Limit dBuV/m 54 54 odulation Limit dBuV/m 54 54 54 Modulat Limit	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78 -6.83 -7.08 n:b; band Over Limit dB -6.35 -4.20 -8.16 tion:g; ba Over Limit	peak peak andwidth:20M Detector peak peak peak dwidth:20MHz Detector peak peak peak peak andwidth:20M	; Ch	nannel:High	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz RX_R dBuV 40.34 38.39 31.46 Polariz RX_R dBuV	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Vel Factor dB 7.31 11.41 14.38 ation:Ho Factor dB	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92 rtical; Mo Emission dBuV/m 47.65 49.80 45.84 rizontal; Emission dBuV/m	54 54 54 Modulat Limit dBuV/m 54 54 54 Odulation Limit dBuV/m 54 54 54 Modulat Limit dBuV/m	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78 -6.83 -7.08 n:b; banc Over Limit dB -6.35 -4.20 -8.16 tion:g; ba Over Limit dB	peak peak andwidth:20M Detector peak peak peak dwidth:20MHz Detector peak peak peak peak peak peak peak pea	; Ch	nannel:High	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz RX_R dBuV 40.34 38.39 31.46 Polariz RX_R dBuV 39.88	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Ver Factor dB 7.31 11.41 14.38 ation:Ho Factor dB 6.40	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92 rtical; Mo Emission dBuV/m 47.65 49.80 45.84 rizontal; Emission dBuV/m 46.28	54 54 54 Modulat Limit dBuV/m 54 54 54 odulation Limit dBuV/m 54 54 Modulat Limit dBuV/m 54	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78 -6.83 -7.08 n:b; band Over Limit dB -6.35 -4.20 -8.16 tion:g; ba Over Limit dB -7.72	peak peak andwidth:20M Detector peak peak peak peak Detector peak peak peak peak peak peak peak pea	; Ch	nannel:High	
39.85 35.23 32.52 Polariz RX_R dBuV 38.91 35.76 32.54 Polariz RX_R dBuV 40.34 38.39 31.46 Polariz RX_R dBuV	6.92 11.08 14.36 ation:Ho Factor dB 7.31 11.41 14.38 ation:Vel Factor dB 7.31 11.41 14.38 ation:Ho Factor dB	46.77 46.31 46.88 rizontal; Emission dBuV/m 46.22 47.17 46.92 rtical; Mo Emission dBuV/m 47.65 49.80 45.84 rizontal; Emission dBuV/m	54 54 54 Modulat Limit dBuV/m 54 54 54 Odulation Limit dBuV/m 54 54 54 Modulat Limit dBuV/m	-7.23 -7.69 -7.12 tion:b; ba Over Limit dB -7.78 -6.83 -7.08 n:b; banc Over Limit dB -6.35 -4.20 -8.16 tion:g; ba Over Limit dB	peak peak andwidth:20M Detector peak peak peak dwidth:20MHz Detector peak peak peak peak peak peak peak pea	; Ch	nannel:High	
	dBuV 41.28 39.21 33.86 Polariz RX_R dBuV 41.68 35.88 33.56 Polariz RX_R dBuV 39.44 34.76 35.32	dBuV dB 41.28 6.40 39.21 10.76 33.86 14.37 Polarization:Vel RX_R Factor dBuV dB 41.68 6.40 35.88 10.76 33.56 14.37 Polarization:Ho RX_R Factor dBuV dB 39.44 6.92 34.76 11.08 35.32 14.36	dBuV dB dBuV/m 41.28 6.40 47.68 39.21 10.76 49.97 33.86 14.37 48.23 Polarization:Vertical; Means RX_R Factor Emission dBuV dB dBuV/m 41.68 6.40 48.08 35.88 10.76 46.64 33.56 14.37 47.93 Polarization:Horizontal; RX_R Factor Emission dBuV dB dBuV/m 39.44 6.92 46.36 34.76 11.08 45.84 35.32 14.36 49.68	dBuV dB dBuV/m dBuV/m dBuV/m 41.28 6.40 47.68 54 39.21 10.76 49.97 54 33.86 14.37 48.23 54 Polarization:Vertical; Modulation RX_R Factor Emission Limit dBuV/m dBuV/m 41.68 6.40 48.08 54 35.88 10.76 46.64 54 33.56 14.37 47.93 54 Polarization:Horizontal; Modulation RX_R Factor Emission Limit dBuV/m dBuV/m 39.44 6.92 46.36 54 34.76 11.08 45.84 54 35.32 14.36 49.68 54	dBuV dB dBuV/m dBuV/m dBuV/m dB 41.28 6.40 47.68 54 -6.32 39.21 10.76 49.97 54 -4.03 33.86 14.37 48.23 54 -5.77 Polarization:Vertical; Modulation:b; band RX_R Factor Emission Limit Over Limit dBuV/m dB 41.68 6.40 48.08 54 -5.92 35.88 10.76 46.64 54 -7.36 33.56 14.37 47.93 54 -6.07 Polarization:Horizontal; Modulation:b; band RX_R Factor Emission Limit Over Limit Over Limit dBuV dB dBuV/m dBuV/m dBuV/m dB dB 39.44 6.92 46.36 54 -7.64 34.76 11.08 45.84 54 -8.16 35.32 14.36 49.68 54 -4.32	dBuV dB dBuV/m dBuV/m dB 41.28 6.40 47.68 54 -6.32 peak 39.21 10.76 49.97 54 -4.03 peak 33.86 14.37 48.23 54 -5.77 peak Polarization:Vertical; Modulation:b; bandwidth:20MHz RX_R Factor Emission Limit Over Limit Detector dB 41.68 6.40 48.08 54 -5.92 peak 35.88 10.76 46.64 54 -7.36 peak 33.56 14.37 47.93 54 -6.07 peak Polarization:Horizontal; Modulation:b; bandwidth:20M RX_R Factor Emission Limit Over Limit Detector dB 39.44 6.92 46.36 54 -7.64 peak 34.76 11.08 45.84 54 -8.16 peak 35.32 14.36 49.68 54 -4.32 peak	dBuV dB dBuV/m dBuV/m dB 41.28 6.40 47.68 54 -6.32 peak 39.21 10.76 49.97 54 -4.03 peak 33.86 14.37 48.23 54 -5.77 peak Polarization:Vertical; Modulation:b; bandwidth:20MHz; Ch RX_R Factor Emission Limit Over Limit Detector dBuV dB dBuV/m dB dB 41.68 6.40 48.08 54 -5.92 peak 35.88 10.76 46.64 54 -7.36 peak 33.56 14.37 47.93 54 -6.07 peak Polarization:Horizontal; Modulation:b; bandwidth:20MHz; RX_R Factor Emission Limit Over Limit Detector dBuV dB dBuV/m dBuV/m dB 39.44 6.92 46.36 54 -7.64 peak 34.76 11.08	dBuV dB dBuV/m dBuV/m dB 41.28 6.40 47.68 54 -6.32 peak 39.21 10.76 49.97 54 -4.03 peak 33.86 14.37 48.23 54 -5.77 peak Polarization:Vertical; Modulation:b; bandwidth:20MHz; Channel:Low RX_R Factor Emission Limit Over Limit Detector dB 41.68 6.40 48.08 54 -5.92 peak 35.88 10.76 46.64 54 -7.36 peak 33.56 14.37 47.93 54 -6.07 peak Polarization:Horizontal; Modulation:b; bandwidth:20MHz; Channel:middle RX_R Factor Emission Limit Over Limit Detector dB dBuV/m dBuV/m dB dB 39.44 6.92 46.36 54 -7.64 peak 34.76 11.08 45.84 54 -8.16 peak 35.32 14.36 49.68 54 -4.32 peak



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Mode:a;	Polariza	ation:Ver	tical; Mo	odulation	n:g; band	dwidth:20MHz;	Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Over Limit		
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4824	43.29	6.40	49.69	54	-4.31	peak	
7236	35.84	10.76	46.60	54	-7.40	peak	
9648	33.05	14.37	47.42	54	-6.58	peak	
						·	
Mode:a;	Polariza	ation:Ho	rizontal;	Modulat	ion:g; ba	andwidth:20MH	Hz; Channel: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	38.73	11.08	49.81	54	-4.19	peak	
9748	32.59	14.36	46.95	54	-7.05	peak	
Mode:a;	Polariza	ation:Ver	tical; Mo	odulation	n:g; band	dwidth:20MHz;	Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4874	41.40	6.92	48.32	54	-5.68	peak	
7311	37.35	11.08	48.43	54	-5.57	peak	
9748	33.20	14.36	47.56	54	-6.44	peak	
Mode:a;	Polariza	ation:Ho	rizontal;	Modulat	ion:g; ba	andwidth:20MF	Hz; Channel:High
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4924	41.79	7.31	49.10	54	-4.90	peak	
7386	35.62	11.41	47.03	54	-6.97	peak	
9848	33.41	14.38	47.79	54	-6.21	peak	
Mode:a:	Polariza	ation:Ver	tical: Mo	ndulation	.a. band	dwidth:20MHz.	Channel:High
Frequency	RX_R	Factor	Emission	Limit	Over Limit		Orial monthing in
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4924	42.59	7.31	49.90	54	-4.10	peak	
7386	34.94	11.41	46.35	54	-7.65	peak	
9848	31.62	14.38	46.00	54	-8.00	peak	
3040	01.02	14.00	40.00	04	0.00	pour	
Mode:a:	Polariza	ation:Ho	rizontal·	Modulat	ion·n· ba	andwidth:20MF	Hz; Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Over Limit		, •
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	20.0000.	
4824	40.82	6.40	47.22	54	-6.78	peak	
7236	34.57	10.76	45.33	54	-8.67	peak	
9648	32.39	14.37	46.76	54	-7.24	peak	
9040	32.39	14.37	40.70	54	-1.24	peak	
Mode.s.	Polariza	ntion:\/er	tical: M	ndulation	nn hanc	lwidth∙2∩MHz•	Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Over Limit		CHAIRIOLLOW
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	
						neak	
4824	42.12	6.40	48.52	54 54	-5.48 0.46	peak	
7236	34.08	10.76	44.84	54	-9.16	peak	
9648	30.93	14.37	45.30	54	-8.70	peak	



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Mode:a;	Polariza	ation:Ho	rizontal;	Modulat	tion:n; ba	andwidth:20MHz; Channel:middle		
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector		
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
4874	41.79	6.92	48.71	54	-5.29	peak		
7311	34.30	11.08	45.38	54	-8.62	peak		
9748	32.23	14.36	46.59	54	-7.41	peak		
Mode:a;	Polariza	ation:Ve	rtical; M	odulatior	n:n; band	dwidth:20MHz; Channel:middle		
Frequency	RX_R	Factor	Emission	Limit	Over Limit			
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
4874	41.26	6.92	48.18	54	-5.82	peak		
7311	35.71	11.08	46.79	54	-7.21	peak		
9748	32.11	14.36	46.47	54	-7.53	peak		
						•		
Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:High								
Frequency	RX_R	Factor	Emission	Limit	Over Limit	_		
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
4924	39.65	7.31	46.96	54	-7.04	peak		
7386	38.48	11.41	49.89	54	-4.11	peak		
9848	32.62	14.38	47.00	54	-7.00	peak		
						1		
Mode:a:	Polariza	ation:Ve	rtical: M	odulation	n:n: band	dwidth:20MHz; Channel:High		
Frequency	RX_R	Factor	Emission	Limit	Over Limit	_		
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
4924	40.76	7.31	48.07	54	-5.93	peak		
7386	36.68	11.41	48.09	54	-5.91	peak		
9848	35.22	14.38	49.60	54	-4.40	peak		
						P		
Mode:a:	Polariza	ation·Ho	rizontal.	Modulat	tion·n· ba	andwidth:40MHz; Channel:Low		
Frequency	RX_R	Factor	Emission	Limit	Over Limit			
MHz	dBuV	dB	dBuV/m	dBuV/m	dB			
4844	42.33	6.60	48.93	54	-5.07	peak		
7266	38.63	10.89	49.52	54	-4.48	peak		
9688	33.74	14.35	48.09	54	-5.91	peak		
0000			10.00	0.	0.0.	p 3 3.1.		
Mode:a:	Polariza	ation:Ve	rtical: M	odulation	n·n· band	dwidth:40MHz; Channel:Low		
Frequency	RX_R	Factor	Emission	Limit	Over Limit	•		
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	200000		
4844	39.16	6.60	45.76	54	-8.24	peak		
7266	35.21	10.89	46.10	54	-7.90	peak		
9688	31.86	14.35	46.21	54	-7.79	peak		
3300	01.00	17.00	70.21	54	1.13	pour		
Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:middle								
Frequency	RX_R	Factor	Emission	Limit	Over Limit			
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Dottotol		
4874	39.46	6.92	46.38	овиv/III 54	чь -7.62	noak		
7311	38.50	11.08	49.58	54 54	-7.62 -4.42	peak		
						peak		
9748	34.11	14.36	48.47	54	-5.53	peak		



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

Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	41.98	6.92	48.90	54	-5.10	peak
7311	37.09	11.08	48.17	54	-5.83	peak
9748	34.40	14.36	48.76	54	-5.24	peak

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

Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4904	39.39	7.22	46.61	54	-7.39	peak
7356	35.94	11.28	47.22	54	-6.78	peak
9808	34.49	14.37	48.86	54	-5.14	peak

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

Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4904	40.17	7.22	47.39	54	-6.61	peak
7356	37.73	11.28	49.01	54	-4.99	peak
9808	33.37	14.37	47.74	54	-6.26	peak



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7.9 99% Bandwidth

Test Requirement RSS-Gen Section 6.6
Test Method: ANSI C63.10 Section 6.9.3

7.9.1 E.U.T. Operation

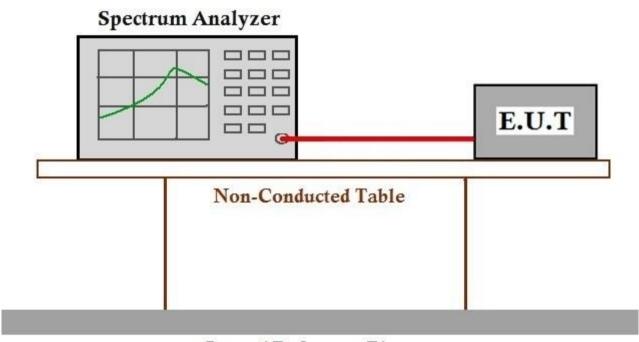
Operating Environment:

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.

7.9.2 Test Setup Diagram



Ground Reference Plane

7.9.3 Measurement Procedure and Data

The detailed test data see: Appendix A for SHEM180800727701.



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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 -