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TEST REPORT

Application No.: SZEM1801000173CR (SHEM1712008827CR)

Applicant: Hangzhou Gubei Electronics Technology Co., Ltd

Address of Applicant: Room 106, No.1 Building, No.611 Jianghong Road Binjiang, Hangzhou

Manufacturer: Hangzhou Gubei Electronics Technology Co., Ltd

Address of Manufacturer: Room 106, No.1 Building, No.611 Jianghong Road Binjiang, Hangzhou

Factory: Hangzhou Gubei Electronics Technology Co., Ltd

Address of Factory: Room 106, No.1 Building, No.611 Jianghong Road Binjiang, Hangzhou

FCC ID: 2ACDZ-BL1205-P **IC**: 21239-BL1205P

Equipment Under Test (EUT):

EUT Name: WiFi Module **Model No.:** BL1205-P

Standard(s): FCC PART 15 Subpart C, RSS-247 Issue 2, RSS-Gen Issue 4

 Date of Receipt:
 2017-12-22

 Date of Test:
 2018-01-04

 Date of Issue:
 2018-01-10

Test Result: Pass*



Jack Zhang

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



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	Revision Record						
Version	Chapter	Date	Modifier	Remark			
01	/	2018-01-10 /		Original			

Authorized for issue by:		
	Forychon	
	Foray Chen /Project Engineer	
	Eric Fu	
	Eric Fu /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 RSS-247 Issue 2, February 2017	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c) RSS-Gen Section 8.3	Pass	

Radio Spectrum Matte	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2, February 2017	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 RSS-Gen Section 8.8	Pass
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2, February 2017	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2) RSS-247 Section 5.2(a)	Pass
99% Bandwidth	RSS-247 Issue 2, February 2017	ANSI C63.10 Section 6.9.3	RSS-Gen Section 6.6	Pass
Conducted Average Output Power	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2, February 2017	ANSI C63.10 (2013) Section 11.9.2.2.4	47 CFR Part 15, Subpart C 15.247(b)(3) RSS-247 Section 5.4(d)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2, February 2017	ANSI C63.10 (2013) Section 11.10.5	47 CFR Part 15, Subpart C 15.247(e) RSS-247 Clause 5.2(b)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2, February 2017	ANSI C63.10 (2013) Section 7.8.6	47 CFR Part 15, Subpart C 15.247(d) RSS-247 Section 5.5	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2, February 2017	ANSI C63.10 (2013) Section 7.8.8	47 CFR Part 15, Subpart C 15.247(d) RSS-247 Section 5.5	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2, February 2017	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & 15.247(d) Section 3.3 & RSS-Gen Section 8.9	Pass



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Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2, February 2017	ANSI C63.10 (2013) Section 6.10.4	47 CFR Part 15, Subpart C 15.209 & 15.247(d) Section 3.3 & RSS-Gen Section 8.9	Pass



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 5V from USB port of PC
Operation Frequency:	802.11 b/g/n(HT20): 2412MHz-2462MHz
	802.11n (HT40): 2422MHz-2452MHz
Modulation Type:	802.11 b DSSS(CCK, DQPSK, DBPSK)
	802.11 g/n(HT20, HT40) OFDM(64QAM, 16QAM, QPSK, BPSK)
Number of Channel:	802.11 b/g/n(HT20): 11
	802.11 n(HT40): 7
Data Rate:	802.11b: 1/2/5.5/11Mbps,
	802.11g: 6/9/12/18/24/36/48/54Mbps
	802.11n: MCS0-MCS7
Antenna Type:	PIFA antenna
Antenna Gain:	1.5 dBi

4.2 Description of Support Units

Description	cription Manufacturer Model No.		Serial No.
Laptop	Laptop LENOVO		

4.3 Test Environment

Environment Parameter	Selected Values During Tests		
Relative Humidity	Ambient		
Value	Temperature(°C)	Voltage (DC V)	
TNVN	25	5	

Note:

VN:Normal Voltage VL:Low Extreme Test Voltage VH:High Extreme Test Voltage
TN:Normal Temperature TL:Low Extreme Test Temperature TH:High Extreme Test Temperature

Operation Frequency each of channel (802.11b/g/n (HT20))					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	5	2432MHz	9	2452MHz
2	2417MHz	6	2437MHz	10	2457MHz
3	2422MHz	7	2442MHz	11	2462MHz
4	2427MHz	8	2447MHz		

Using test software was control EUT work in continuous transmitter and receiver mode. And select test channel as below:

For 802.11b/g/n (HT20):

Channel	Frequency	
The lowest channel (CH1)	2412MHz	
The middle channel (CH6)	2437MHz	
The highest channel (CH11)	2462MHz	



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For 802.11n (HT40):

Channel	Frequency
The lowest channel (CH3)	2422MHz
The middle channel (CH6)	2437MHz
The highest channel (CH9)	2452MHz

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty			
1	Conduction emission	3.0dB (150kHz to 30MHz)			
2	Radiated emission	4.5dB (30MHz-1GHz)			
3	Temperature test	1°C			
4	Humidity test	3%			

4.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.6 Test Facility

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

CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab 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.

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

VCC

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

FCC –Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

• Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

4.7 Deviation from Standards

None

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4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Conducted Emission at AC	Power Line		,		
EMI test receiver	R&S	ESR7	SHEM162-1	2017-12-26	2018-12-25
LISN	Schwarzbeck	NSLK8127	SHEM061-1	2017-12-26	2018-12-25
LISN	EMCO	3816/2	SHEM019-1	2017-12-26	2018-12-25
Pulse limiter	R&S	ESH3-Z2	SHEM029-1	2017-08-12	2018-08-11
CE test Cable	/	CE01	/	2016-12-29	2018-12-28
Conducted Test			I		
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2017-04-24	2018-04-23
Spectrum Analyzer	Agilent	N9020A	SHEM181-1	2017-07-03	2018-07-02
Power meter	R&S	NRP	SHEM057-1	2017-12-26	2018-12-25
Power Sensor	R&S	NRP-Z22	SHEM136-1	2017-07-22	2018-07-21
Power Sensor	R&S	NRP-Z91	SHEM057-2	2017-12-26	2018-12-25
Signal Generator	R&S	SMR40	SHEM058-1	2017-07-03	2018-07-02
Signal Generator	Agilent	N5182A	SHEM182-1	2017-07-03	2018-07-02
Communication Tester	R&S	CMW500	SHEM183-1	2017-07-03	2018-07-02
Switcher	Tonscend	JS0806	SHEM184-1	/	/
Splitter	Anritsu	MA1612A	SHEM185-1	/	/
Coupler	e-meca	803-S-1	SHEM186-1	/	/
High-low Temp Cabinet	Suzhou Zhihe	TL-40	SHEM087-1	2017-09-13	2018-09-12
AC Power Stabilizer	WOCEN	6100	SHEM045-1	2017-01-14	2018-01-13
DC Power Supply	QJE	QJ30003SII	SHEM046-1	2017-01-14	2018-01-13
Radiated Test					
EMI test receiver	R&S	ESU40	SHEM051-1	2017-09-26	2018-09-25
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2017-04-24	2018-04-23
Loop Antenna (9kHz-30MHz)	Schwarzbeck	FMZB1519	SHEM135-1	2017-04-10	2018-04-09
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM048-1	2017-02-28	2018-02-27
Antenna (25MHz-3GHz)	Schwarzbeck	HL562	SHEM010-1	2017-02-28	2018-02-27
Horn Antenna (1-8GHz)	Schwarzbeck	HF906	SHEM009-1	2016-09-24	2018-09-23
Horn Antenna (1-18GHz)	Schwarzbeck	BBHA9120D	SHEM050-1	2017-01-14	2018-01-13
Horn Antenna (14-40GHz)	Schwarzbeck	BBHA 9170	SHEM049-1	2017-02-13	2018-01-15
Pre-amplifier (9KHz-2GHz)	CLAVIIO	BDLNA-0001-412010	SHEM164-1	2017-08-22	2018-08-21
Pre-amplifier (1-26.5GHz)	CLAVIIO	BDLNA-0118-352810	SHEM050-2	2017-08-22	2018-08-21
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	2018-07-21
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:

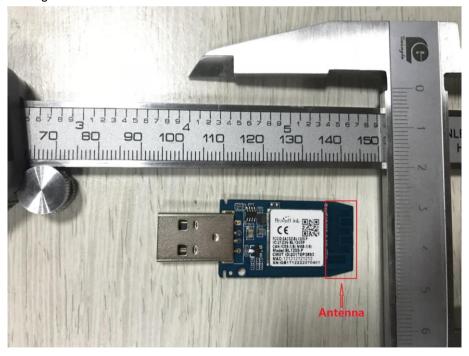
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 PCB antenna and integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 1.5dBi.





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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 frequency.							

7.1.1 E.U.T. Operation

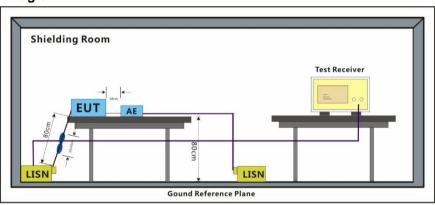
Operating Environment:

Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

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

transmitting and receiving, and select channel and modulation type

7.1.2 Test Setup Diagram





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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 $50 \text{ohm}/50 \mu\text{H} + 5 \text{ohm}$ 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.

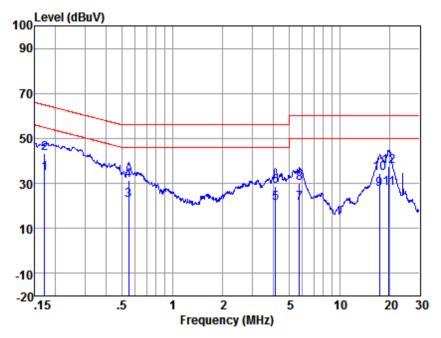
Remark: LISN=Read Level+ Cable Loss+ LISN Factor



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Mode:a; Line:Live Line



Site : chamber Condition : LISN-L-2017

EUT/Project No: 8827CR

Test mode : a

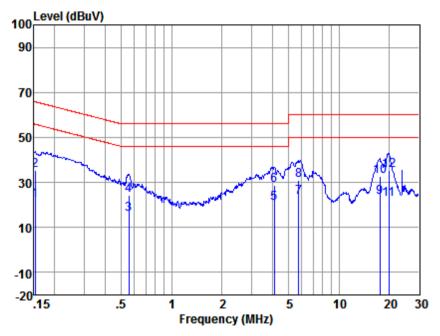
		Read	LISN	Cable		Limit	0ver	
	Freq	Level	Factor	Loss	Level	Line	Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.171	24.50	0.11	9.81	34.42	54.90	-20.48	Average
2	0.171	33.35	0.11	9.81	43.27	64.90	-21.63	QP
3	0.546	12.77	0.11	9.82	22.70	46.00	-23.30	Average
4	0.546	21.62	0.11	9.82	31.55	56.00	-24.45	QP
5	4.140	11.31	0.11	9.85	21.27	46.00	-24.73	Average
6	4.140	18.93	0.11	9.85	28.89	56.00	-27.11	QP
7	5.774	11.07	0.11	9.86	21.04	50.00	-28.96	Average
8	5.774	19.90	0.11	9.86	29.87	60.00	-30.13	QP
9	17.383	17.11	0.17	10.03	27.31	50.00	-22.69	Average
10	17.383	24.31	0.17	10.03	34.51	60.00	-25.49	QP
11	19.845	17.53	0.18	10.03	27.74	50.00	-22.26	Average
12	19.845	27.16	0.18	10.03	37.37	60.00	-22.63	QP



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Mode:a; Line:Neutral Line



Site : chamber Condition : LISN-N-2017

EUT/Project No: 8827CR

Test mode : a

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.152	12.06	0.12	9.81	21.99	55.87	-33.88	Average
2	0.152	25.46	0.12	9.81	35.39	65.87	-30.48	QP
3	0.555	6.06	0.11	9.82	15.99	46.00	-30.01	Average
4	0.555	14.19	0.11	9.82	24.12	56.00	-31.88	QP
5	4.114	10.72	0.13	9.85	20.70	46.00	-25.30	Average
6	4.114	18.67	0.13	9.85	28.65	56.00	-27.35	QP
7	5.770	13.33	0.13	9.86	23.32	50.00	-26.68	Average
8	5.770	20.73	0.13	9.86	30.72	60.00	-29.28	QP
9	17.568	13.10	0.19	10.03	23.32	50.00	-26.68	Average
10	17.568	22.60	0.19	10.03	32.82	60.00	-27.18	QP
11	19.950	12.22	0.20	10.03	22.45	50.00	-27.55	Average
12	19.950	25.17	0.20	10.03	35.40	60.00	-24.60	QP



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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

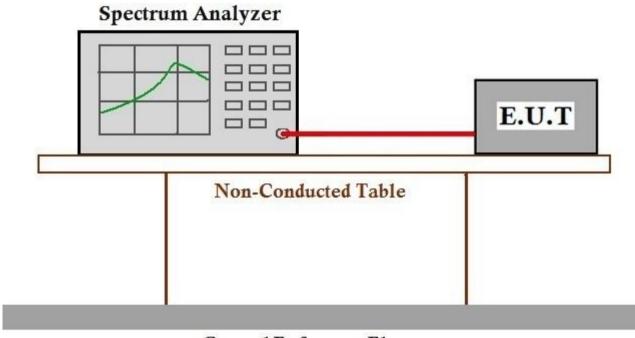
Operating Environment:

Temperature: 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 receiving, 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 15.247 SZEM180100017301



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7.2.4 99% Occupied Bandwidth

Test Configuration:

EUT

(Antenna Port

connected
cable
Spectrum
Analyzer

Test Procedure:

- 1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
- 2. Set the spectrum analyzer: Span = approximately 2 to 3 times the OBW, centred on the test channel;
- 3. Set the spectrum analyzer: RBW in the range of 1% to 5% of the OBW and VBW is approximately 3*RBW. Sweep = auto; Detector Function = Peak. Trace = Max Hold.
- 4. Set the spectrum analyzer: OBW Power=99%

Test Data:

The detailed test data see: Appendix 15.247 SZEM180100017301



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7.3 Conducted Average Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)
Test Method: ANSI C63.10 (2013) Section 11.9.2.2.4

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

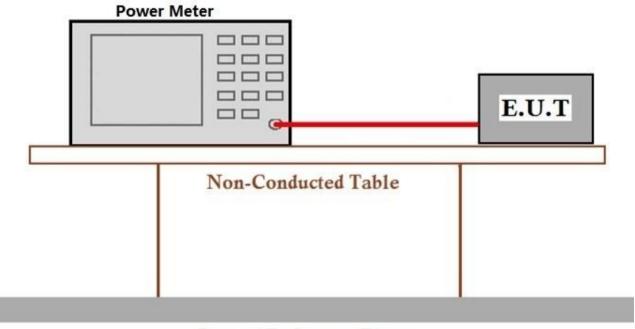
Operating Environment:

Temperature: 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 receiving, 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 15.247 for SZEM180100017301



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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 11.10.5

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

transmission

7.4.1 E.U.T. Operation

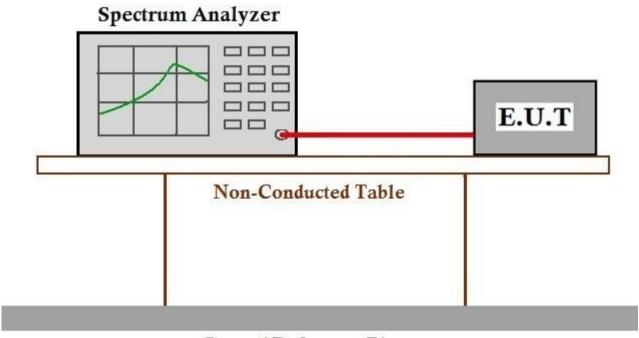
Operating Environment:

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 receiving, 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 15.247 for SZEM180100017301



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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 7.8.6

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

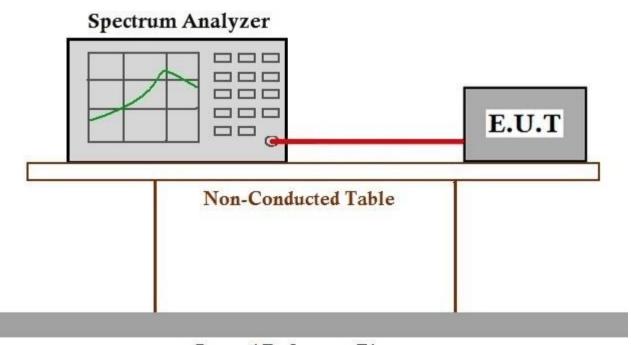
Operating Environment:

Temperature: 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 receiving, 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 15.247 for SZEM180100017301

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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 7.8.8

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

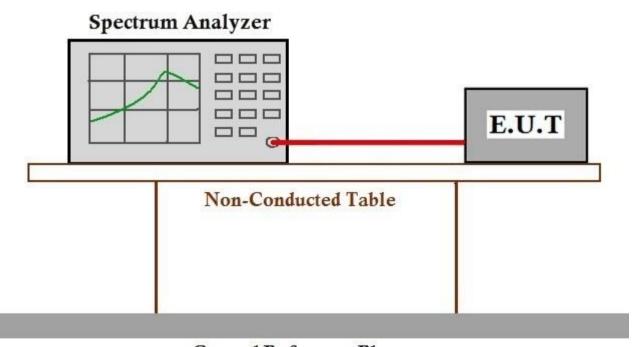
Operating Environment:

Temperature: 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 receiving, 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 15.247 for SZEM180100017301

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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

Measurement Distance: 3m

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.



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7.7.1 E.U.T. Operation

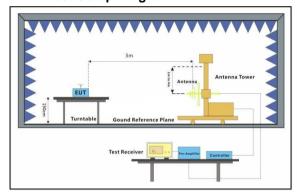
Operating Environment:

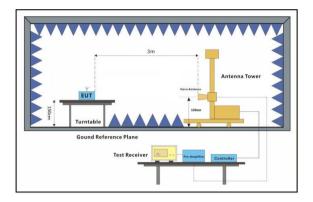
Temperature: 21 °C Humidity: 45 % RH Atmospheric Pressure: 1010 mbar

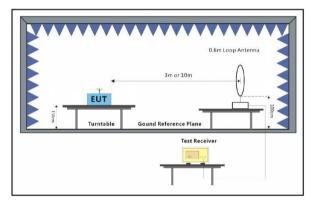
Test mode a:Engineering mode: Using test software to control EUT working in continuous

transmitting and receiving, 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: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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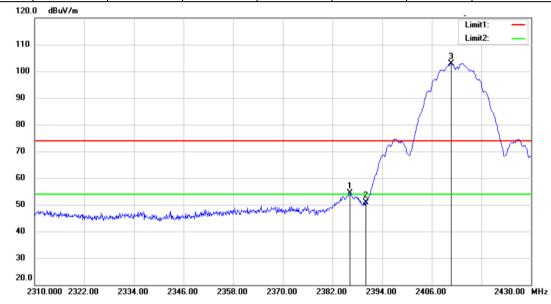
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7.7.4 Radiated Band edge

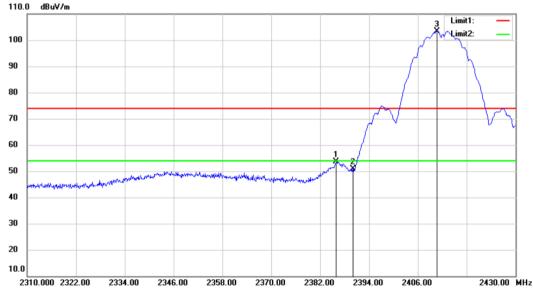
Test Mode: 802.11b Channel: 2412

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Dotootor	Polarization
IVIN.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polarization
1	2386.2	58.25	-3.87	54.38	74	-19.62	Peak	Horizontal
2	2390	54.74	-3.89	50.85	74	-23.15	Peak	Horizontal
3	2410.68	106.91	-3.93	102.98	74	28.98	Peak	Horizontal
1	2385.96	57.44	-3.88	53.56	74	-20.44	Peak	Vertical
2	2390	54.81	-3.89	50.92	74	-23.08	Peak	Vertical
3	2410.68	107.4	-3.93	103.47	74	29.47	Peak	Vertical

Horizontal



Vertical





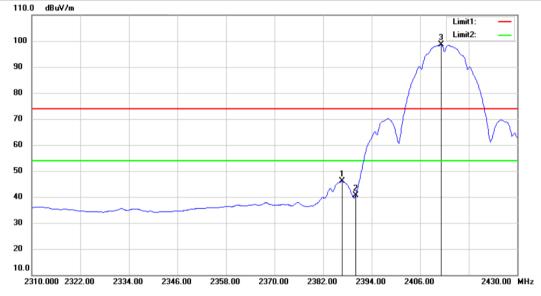
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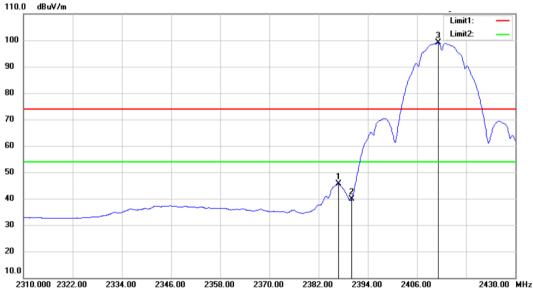
Test Mode: 802.11b Channel: 2412

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIT.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	
1	2386.68	49.98	-3.88	46.1	54	-7.9	Average	Horizontal
2	2390	44.52	-3.89	40.63	54	-13.37	Average	Horizontal
3	2411.16	102.59	-3.93	98.66	54	44.66	Average	Horizontal
1	2386.8	49.44	-3.88	45.56	54	-8.44	Average	Vertical
2	2390	43.7	-3.89	39.81	54	-14.19	Average	Vertical
3	2411.16	103.03	-3.93	99.1	54	45.1	Average	Vertical

Horizontal



Vertical





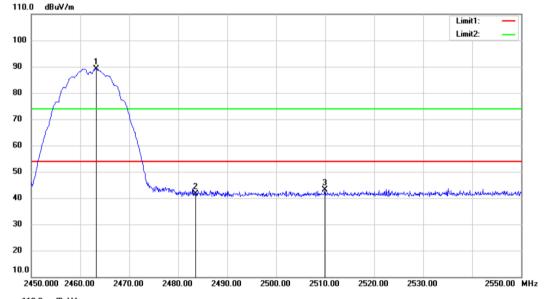
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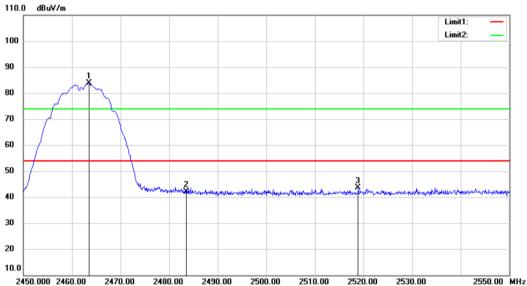
Test Mode: 802.11b Channel: 2462

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVITX.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polatization
1	2463.3	93.21	-3.98	89.23	54	35.23	Peak	Horizontal
2	2483.5	45.67	-4.01	41.66	54	-12.34	Peak	Horizontal
3	2509.9	47.03	-3.91	43.12	54	-10.88	Peak	Horizontal
1	2463.5	87.74	-3.98	83.76	54	29.76	Peak	Vertical
2	2483.5	46.09	-4.01	42.08	54	-11.92	Peak	Vertical
3	2518.9	47.33	-3.81	43.52	54	-10.48	Peak	Vertical

Horizontal



Vertical





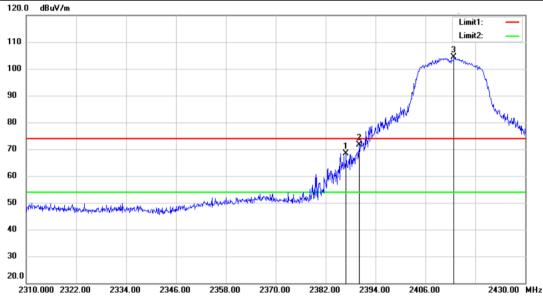
Report No.: SZEM180100017301

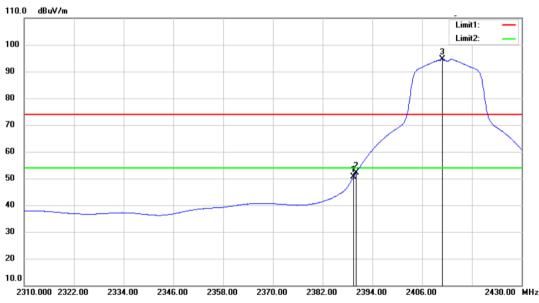
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Test Mode: 802.11g Channel: 2412

MK.	Frequency (MHz)	Reading (dBuV/m)	Corrected factor(dB)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector	Polarization
	(1711 12)	(ubu v/III)	ractor(ab)	(ubu v/III)	(ubu v/III)	(ub)		
1	2386.92	72.37	-3.87	68.5	74	-5.5	Peak	Horizontal
2	2390	75.46	-3.89	71.57	74	-2.43	Peak	Horizontal
3	2412.84	108.19	-3.93	104.26	74	30.26	Peak	Horizontal
1	2389.44	54.46	-3.88	50.58	54	-3.42	Average	Horizontal
2	2390	56.03	-3.89	52.14	54	-1.86	Average	Horizontal
3	2410.92	98.61	-3.92	94.69	54	40.69	Average	Horizontal









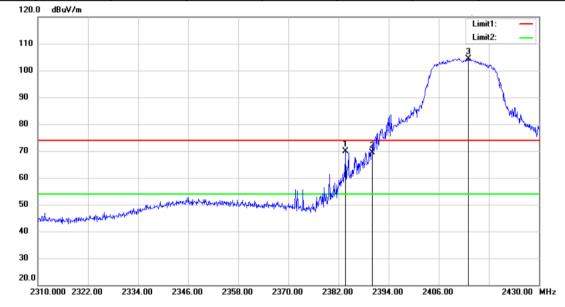
Report No.: SZEM180100017301

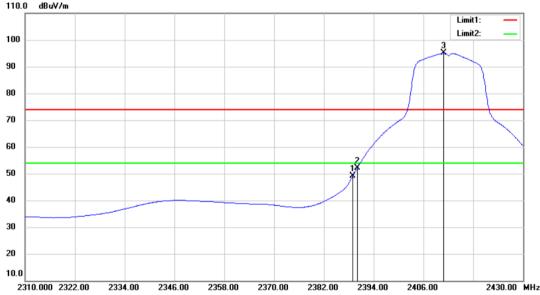
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Test Mode: 802.11g Channel: 2412

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIIX.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Folarization
1	2383.68	73.76	-3.87	69.89	74	-4.11	Peak	Vertical
2	2390	73.17	-3.89	69.28	74	-4.72	Peak	Vertical
3	2413.08	108.42	-3.93	104.49	74	30.49	Peak	Vertical
1	2388.96	53.06	-3.89	49.17	54	-4.83	Average	Vertical
2	2390	56.09	-3.89	52.2	54	-1.8	Average	Vertical
3	2410.92	99.04	-3.92	95.12	54	41.12	Average	Vertical









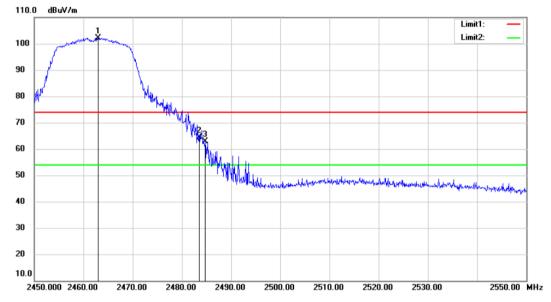
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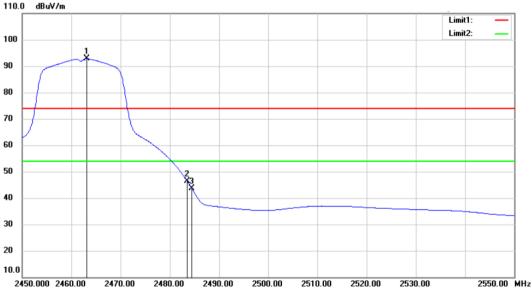
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Test Mode: 802.11g Channel: 2462

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIT.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polarization
1	2463	106.19	-3.99	102.2	74	28.2	Peak	Horizontal
2	2483.5	68.48	-4.01	64.47	74	-9.53	Peak	Horizontal
3	2484.7	66.9	-4.01	62.89	74	-11.11	Peak	Horizontal
1	2463.1	96.83	-3.98	92.85	54	38.85	Average	Horizontal
2	2483.5	50.51	-4.01	46.5	54	-7.5	Average	Horizontal
3	2484.5	47.55	-4.02	43.53	54	-10.47	Average	Horizontal

Peak







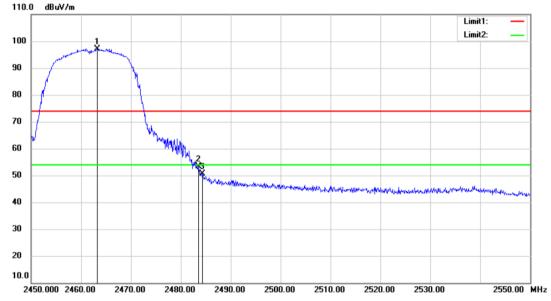
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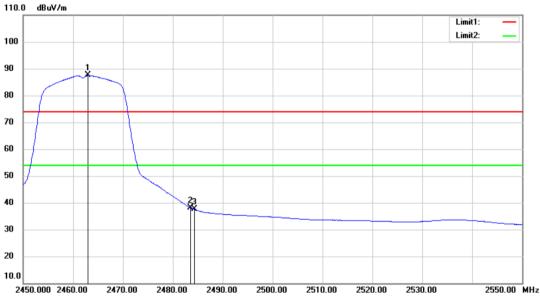
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Test Mode: 802.11g Channel: 2462

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIIX.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	1 Glarization
1	2463.2	101.11	-3.98	97.13	74	23.13	Peak	Vertical
2	2483.5	57.36	-4.01	53.35	74	-20.65	Peak	Vertical
3	2484.3	54.71	-4.02	50.69	74	-23.31	Peak	Vertical
1	2463	91.53	-3.99	87.54	54	33.54	Average	Vertical
2	2483.5	42.13	-4.01	38.12	54	-15.88	Average	Vertical
3	2484.3	41.55	-4.02	37.53	54	-16.47	Average	Vertical

Peak







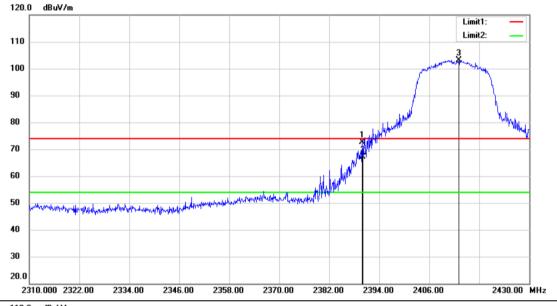
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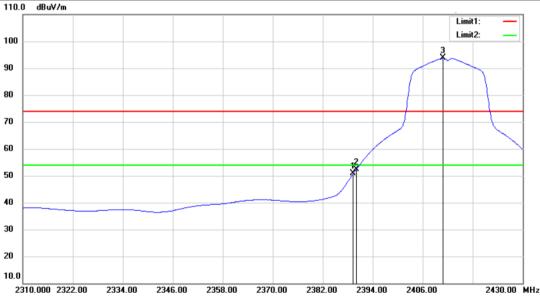
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Test Mode: 802.11 n(HT20) Channel: 2412

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIT.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polarization
1	2389.92	76.61	-3.89	72.72	74	-1.28	Peak	Horizontal
2	2390	71	-3.89	67.11	74	-6.89	Peak	Horizontal
3	2413.08	107.13	-3.93	103.2	74	29.2	Peak	Horizontal
1	2389.32	54.79	-3.88	50.91	54	-3.09	Average	Horizontal
2	2390	56.36	-3.89	52.47	54	-1.53	Average	Horizontal
3	2410.92	97.74	-3.92	93.82	54	39.82	Average	Horizontal







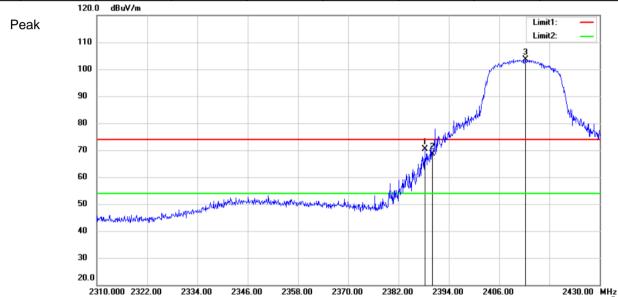


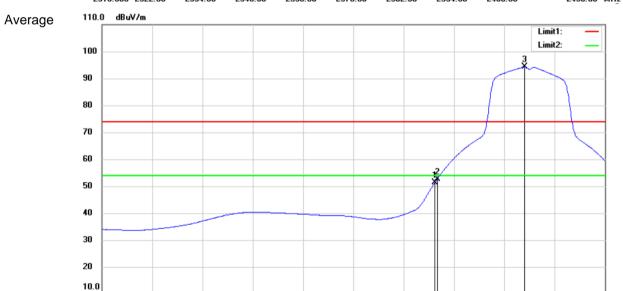
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Test Mode: 802.11 n(HT20) Channel: 2412

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIT.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polarization
1	2388.24	74.29	-3.88	70.41	74	-3.59	Peak	Vertical
2	2390	72.61	-3.89	68.72	74	-5.28	Peak	Vertical
3	2412.24	107.65	-3.94	103.71	74	29.71	Peak	Vertical
1	2389.44	55.24	-3.88	51.36	54	-2.64	Average	Vertical
2	2390	56.64	-3.89	52.75	54	-1.25	Average	Vertical
3	2410.92	98.22	-3.92	94.3	54	40.3	Average	Vertical





2358.00

2370.00

2382.00

2406.00

2430.00 MHz

2310.000 2322.00

2334.00

2346.00



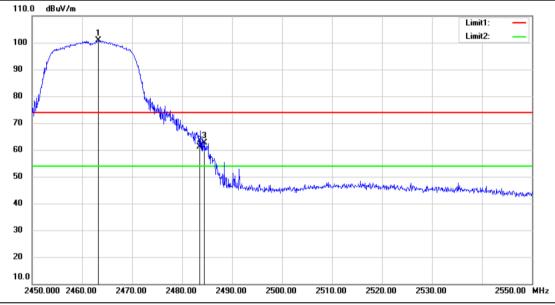
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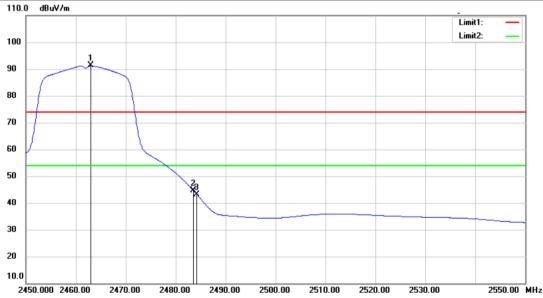
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Test Mode: 802.11 n(HT20) Channel: 2462

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIT.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polarization
1	2463.3	104.74	-3.98	100.76	74	26.76	Peak	Horizontal
2	2483.5	65.04	-4.01	61.03	74	-12.97	Peak	Horizontal
3	2484.5	66.55	-4.02	62.53	74	-11.47	Peak	Horizontal
1	2463	95.27	-3.99	91.28	54	37.28	Average	Horizontal
2	2483.5	48.66	-4.01	44.65	54	-9.35	Average	Horizontal
3	2484.2	47.22	-4.02	43.2	54	-10.8	Average	Horizontal









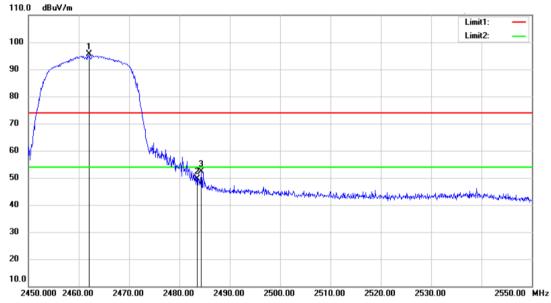
Report No.: SZEM180100017301

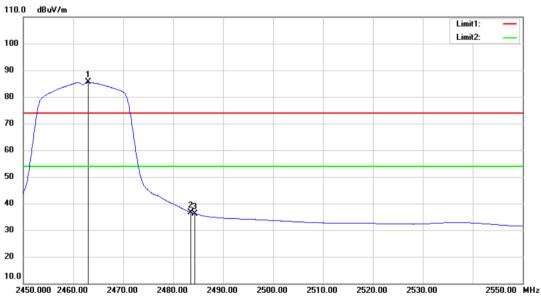
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Test Mode: 802.11 n(HT20) Channel: 2462

N 41 4	Frequency	Reading	Corrected	Result	Limit	Over Limit	5	D:
MK.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polarization
1	2462	99.5	-3.99	95.51	74	21.51	Peak	Vertical
2	2483.5	53.65	-4.01	49.64	74	-24.36	Peak	Vertical
3	2484.3	56.41	-4.02	52.39	74	-21.61	Peak	Vertical
1	2463	89.54	-3.99	85.55	54	31.55	Average	Vertical
2	2483.5	40.69	-4.01	36.68	54	-17.32	Average	Vertical
3	2484.3	40.25	-4.02	36.23	54	-17.77	Average	Vertical







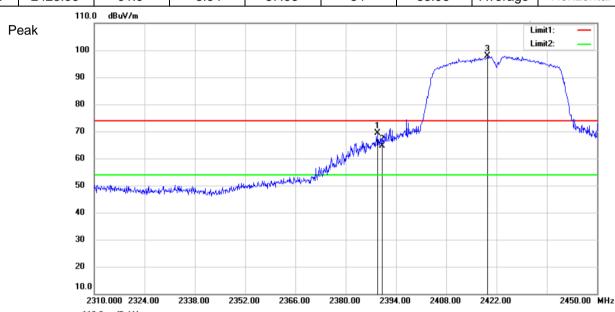


Report No.: SZEM180100017301

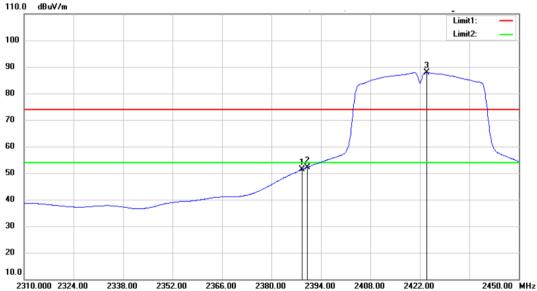
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Test Mode: 802.11 n(HT40) Channel: 2422

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIT.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polarization
1	2388.82	73.19	-3.89	69.3	74	-4.7	Peak	Horizontal
2	2390	68.6	-3.89	64.71	74	-9.29	Peak	Horizontal
3	2419.48	101.78	-3.94	97.84	74	23.84	Peak	Horizontal
1	2388.68	55.23	-3.89	51.34	54	-2.66	Average	Horizontal
2	2390	56.07	-3.89	52.18	54	-1.82	Average	Horizontal
3	2423.96	91.9	-3.94	87.96	54	33.96	Average	Horizontal







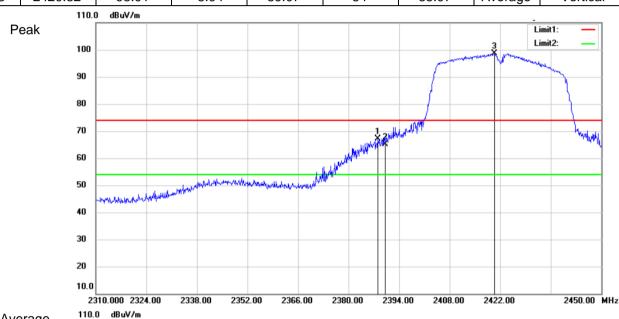


Report No.: SZEM180100017301

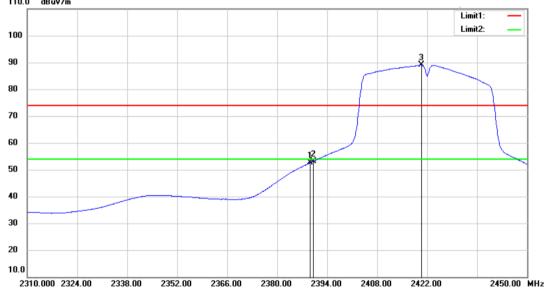
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Test Mode: 802.11 n(HT40) Channel: 2422

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIT.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polarization
1	2388.12	70.97	-3.88	67.09	74	-6.91	Peak	Vertical
2	2390	69.05	-3.89	65.16	74	-8.84	Peak	Vertical
3	2420.32	102.56	-3.94	98.62	74	24.62	Peak	Vertical
1	2389.24	56.52	-3.89	52.63	54	-1.37	Average	Vertical
2	2390	57.05	-3.89	53.16	54	-0.84	Average	Vertical
3	2420.32	93.01	-3.94	89.07	54	35.07	Average	Vertical







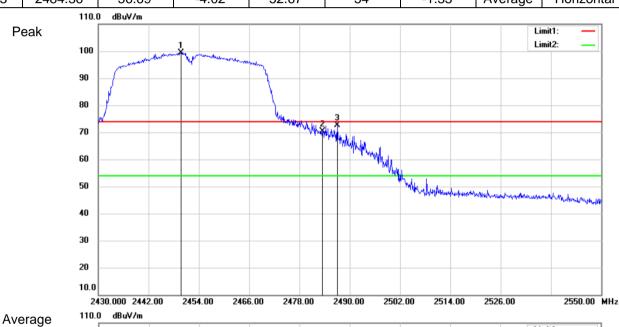


Report No.: SZEM180100017301

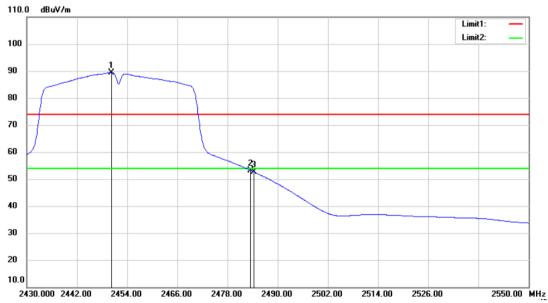
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Test Mode: 802.11 n(HT40) Channel: 2452

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIT.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polarization
1	2449.68	103.25	-3.97	99.28	74	25.28	Peak	Horizontal
2	2483.5	74.5	-4.01	70.49	74	-3.51	Peak	Horizontal
3	2487	76.71	-4.01	72.7	74	-1.3	Peak	Horizontal
1	2450.16	93.37	-3.97	89.4	54	35.4	Average	Horizontal
2	2483.5	57.23	-4.01	53.22	54	-0.78	Average	Horizontal
3	2484.36	56.69	-4.02	52.67	54	-1.33	Average	Horizontal







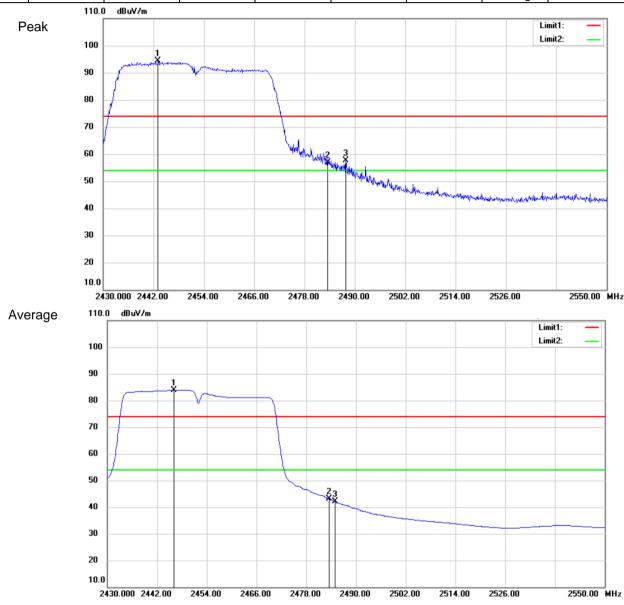


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Test Mode: 802.11 n(HT40) Channel: 2452

MK.	Frequency	Reading	Corrected	Result	Limit	Over Limit	Detector	Polarization
IVIT.	(MHz)	(dBuV/m)	factor(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Polarization
1	2443.08	98.28	-3.96	94.32	74	20.32	Peak	Vertical
2	2483.5	60.8	-4.01	56.79	74	-17.21	Peak	Vertical
3	2487.84	61.64	-4.01	57.63	74	-16.37	Peak	Vertical
1	2446.08	87.89	-3.97	83.92	54	29.92	Average	Vertical
2	2483.5	47.07	-4.01	43.06	54	-10.94	Average	Vertical
3	2484.96	46.1	-4.01	42.09	54	-11.91	Average	Vertical



Remark: 1). Test Level = Receiver Reading + Antenna Factor + Cable Loss- Preamplifier Factor

2). If the Peak value below the AV Limit, the AV test doesn't perform for this submission.



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All frequencies within the "Restricted bands" have been evaluated to compliance. Except as shown in paragraph of this section, only spurious emissions are permitted in any of the frequency bands listed below:

a. FCC Part 15, Subpart C Section 15.205 Restricted bands of operation.

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.5 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	
13.36 - 13.41			



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RSS-Gen section 7.2.2 Restricted bands of operation

MHz	MHz	GHz
0.090-0.110	240-285	9.0-9.2
2.1735-2.1905	322-335.4	9.3-9.5
3.020-3.026	399.9-410	10.6-12.7
4.125-4.128	608-614	13.25-13.4
4.17725-4.17775	960-1427	14.47-14.5
4.20725-4.20775	1435-1626.5	15.35-16.2
5.677-5.683	1645.5-1646.5	17.7-21.4
6.215-6.218	1660-1710	22.01-23.12
6.26775-6.26825	1718.8-1722.2	23.6-24.0
6.31175-6.31225	2200-2300	31.2-31.8
8.291-8.294	2310-2390	36.43-36.5
8.362-8.366	2655-2900	Above 38.6
8.37625-8.38675	3260-3267	
8.41425-8.41475	3332-3339	
12.29-12.293	3345.8-3358	
12.51975-12.52025	3500-4400	
12.57675-12.57725	4500-5150	
13.36-13.41	5350-5460	
16.42-16.423	7250-7750	
16.69475-16.69525	8025-8500	
16.80425-16.80475		
25.5-25.67		
37.5-38.25		
73-74.6		
74.8-75.2		
108-138		
156.52475-156.52525		
156.7-156.9		



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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 6.10.4

Measurement Distance: 3m

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.



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7.8.1 E.U.T. Operation

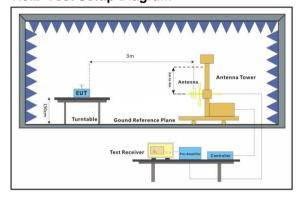
Operating Environment:

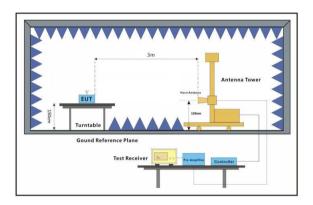
Temperature: 21 °C Humidity: 45 % RH Atmospheric Pressure: 1010 mbar

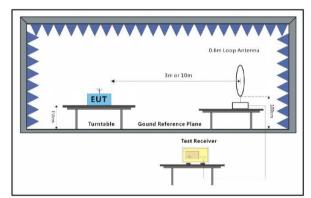
Test mode a:Engineering mode: Using test software to control EUT working in continuous

transmitting and receiving, 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) Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2) If the Peak value below the AV Limit, the AV test doesn't perform for this submission



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Mode:a; Mark	Polarization:Horiz Frequency RX MHz dB		tor Er	nission		Margin	-ow Ant.Pos cm	Table Pos	Detector
*	4824 7236 9648	44.20 39.44 36.45	6.40 10.76 14.37	50.60 50.20 50.82	54	-3.4 -3.8	40 80	uog.	peak peak peak
Mode:a:	Polarization:Verti		tionth ha	ndwidth:	20MHz: Ck	nannel·l ov	W		
Mark	Frequency RX			nission		Margin	Ant.Pos		
WILLIAM		uV dB			dBuV/m	dB	cm		
	4824	40.74	6.40	47.14	54				peak
*	7236	35.66	10.76	16.10					peak
	9648	32.42	14.37	46.79	54				peak
									•
	Polarization:Horiz								
Mark	Frequency RX	_		nission		Margin	Ant.Pos		
		buV dB			dBuV/m	dB	cm		1
	4874	41.38	6.92	48.30					peak
No.	7311	37.87	11.08	48.95					peak
*	9748	32.49	14.36	46.85	54	-7.1	.5		peak
Mode:a;	Polarization:Verti	ical; Modulat	tion:b; ba	ndwidth:	20MHz; Ch	nannel:mic	ldle		
Mark	Frequency RX	K_R Fact	tor Er	nission	Limit	Margin	Ant.Pos		
	MHz dB	uV dB	dE	BuV/m	dBuV/m	dB	cm		
	4874	42.48	6.92	49.40	54	-4.6	50		peak
	7311	37.60	11.08	48.68	54	-5.3	32		peak
*	9748	33.32	14.36	47.68	54	-6.3	32		peak
Madaiai	Polarization:Horiz	zantalı Madı	بامدومیای	h a n du i di	b.20MU-	Channalıl	-liah		
Mark	Frequency RX			nission		Margin	Ant.Pos		
IVIAIK	MHz dB				dBuV/m	_			
	4924	40.17	7.31	47.48	54		cm		peak
	7386	35.39	11.41	46.80					peak
*	9848	32.40	14.38	46.78	54				peak
	7040	<i>32.</i> 40	14.30	40.76	54	-1.2	LL		рсак
Mode:a;	Polarization:Verti	ical; Modulat	tion:b; ba	ndwidth:	20MHz; Ch	nannel:Hig	h		
Mark	Frequency RX	K_R Fact	tor Er	nission	Limit	Margin	Ant.Pos		
	MHz dB	buV dB	dE	BuV/m	dBuV/m	dB	cm		
	4924	41.79	7.31	49.10	54	-4.9	90		peak
	7386	38.80	11.41	50.21			19		peak
*	9848	36.41	14.38	50.79	54	-3.2	21		peak



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	Polarization:Ho							
Mark	Frequency R	_		Emission		Margin	Ant.Pos	
	MHz d 4824	BuV d 44.52	B 6.40	dBuV/m 50.92	ави v/m 54	dB -3.08	cm	n oolz
*	7236	44.32 37.36	10.76	48.12	54 54			peak peak
	9648	34.59	14.37	48.12	54 54			peak peak
	7040	34.33	14.57	40.70	54	-5.04		pcak
	Polarization:Ve		_					
Mark	Frequency R	_		Emission		Margin	Ant.Pos	
			В		dBuV/m	dB	cm	
	4824	38.12	6.40	44.52	54	-9.48		peak
	7236	38.98	10.76	49.74	54	-4.26		peak
*	9648	37.76	14.37	52.13	54	-1.87		peak
Mode:a;	Polarization:Ho	rizontal; Mo	odulation:	g; bandwid	th:20MHz;	Channel:mi	ddle	
Mark	Frequency R	X_R F	actor	Emission	Limit	Margin	Ant.Pos	
	MHz d	BuV d	В	dBuV/m	dBuV/m	dB	cm	
	4874	40.01	6.92	46.93	54	-7.07		peak
	7311	37.27	11.08	48.35	54	-5.65		peak
*	9748	35.67	14.36	50.03	54	-3.97		peak
Mode:a:	Polarization:Ve	rtical: Modu	ulation:g:	bandwidth:	20MHz: Ch	annel:midd	le	
	Polarization:Ver		_					
Mode:a; Mark	Frequency R	X_R F	actor	Emission	Limit	Margin	Ant.Pos	
	Frequency R MHz d	X_R F BuV d	actor B	Emission dBuV/m	Limit dBuV/m	Margin dB		peak
	Frequency R MHz d 4874	X_R F BuV d 39.24	Cactor B 6.92	Emission dBuV/m 46.16	Limit dBuV/m 54	Margin dB -7.84	Ant.Pos	peak peak
	Frequency R MHz d	X_R F BuV d	actor B	Emission dBuV/m	Limit dBuV/m	Margin dB -7.84 -5.27	Ant.Pos	peak
Mark *	Frequency R MHz d 4874 7311 9748	X_R F BuV d 39.24 37.65 35.07	Factor B 6.92 11.08 14.36	Emission dBuV/m 46.16 48.73 49.43	Limit dBuV/m 54 54	Margin dB -7.84 -5.27 -4.57	Ant.Pos cm	_
Mark * Mode:a;	Frequency R MHz d 4874 7311 9748 Polarization:Ho	X_R F BuV d 39.24 37.65 35.07	Factor B 6.92 11.08 14.36 odulation:	Emission dBuV/m 46.16 48.73 49.43 g; bandwid	Limit dBuV/m 54 54 54 th:20MHz;	Margin dB -7.84 -5.27 -4.57 Channel:Hig	Ant.Pos cm	peak
Mark *	Frequency R MHz d 4874 7311 9748 Polarization:Ho Frequency R	X_R F BuV d 39.24 37.65 35.07 rizontal; Mc	Factor B 6.92 11.08 14.36 codulation:	Emission dBuV/m 46.16 48.73 49.43 g; bandwid Emission	Limit dBuV/m 54 54 54 th:20MHz; Limit	Margin dB -7.84 -5.27 -4.57 Channel:Hig Margin	Ant.Pos cm gh Ant.Pos	peak
Mark * Mode:a;	Frequency R MHz d 4874 7311 9748 Polarization:Ho Frequency R MHz d	X_R F BuV d 39.24 37.65 35.07 rizontal; Mc X_R F BuV d	Factor B 6.92 11.08 14.36 codulation:	Emission dBuV/m 46.16 48.73 49.43 g; bandwid Emission dBuV/m	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m	Margin dB -7.84 -5.27 -4.57 Channel:Hig Margin dB	Ant.Pos cm	peak peak
Mark * Mode:a;	Frequency R MHz d 4874 7311 9748 Polarization:Ho Frequency R MHz d 4924	X_R F BuV d 39.24 37.65 35.07 rizontal; Mc X_R F BuV d 40.97	factor B 6.92 11.08 14.36 codulation: Factor B 7.31	Emission dBuV/m 46.16 48.73 49.43 g; bandwid Emission dBuV/m 48.28	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54	Margin dB -7.84 -5.27 -4.57 Channel:Hig Margin dB -5.72	Ant.Pos cm gh Ant.Pos	peak peak peak
Mark * Mode:a; Mark	Frequency R MHz d 4874 7311 9748 Polarization:Ho Frequency R MHz d 4924 7386	X_R F BuV d 39.24 37.65 35.07 rizontal; Mc X_R F BuV d 40.97 34.82	6.92 11.08 14.36 odulation: factor B 7.31 11.41	Emission dBuV/m 46.16 48.73 49.43 g; bandwid Emission dBuV/m 48.28 46.23	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54	Margin dB -7.84 -5.27 -4.57 Channel:Hig Margin dB -5.72 -7.77	Ant.Pos cm gh Ant.Pos	peak peak peak peak
Mark * Mode:a;	Frequency R MHz d 4874 7311 9748 Polarization:Ho Frequency R MHz d 4924	X_R F BuV d 39.24 37.65 35.07 rizontal; Mc X_R F BuV d 40.97	factor B 6.92 11.08 14.36 codulation: Factor B 7.31	Emission dBuV/m 46.16 48.73 49.43 g; bandwid Emission dBuV/m 48.28	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54	Margin dB -7.84 -5.27 -4.57 Channel:Hig Margin dB -5.72 -7.77	Ant.Pos cm gh Ant.Pos	peak peak peak
* Mode:a; Mark * Mode:a;	Frequency R MHz d 4874 7311 9748 Polarization:Ho Frequency R MHz d 4924 7386 9848 Polarization:Ver	X_R F BuV d 39.24 37.65 35.07 rizontal; Mc X_R F BuV d 40.97 34.82 32.06 rtical; Modu	factor B 6.92 11.08 14.36 codulation: Factor B 7.31 11.41 14.38 ulation:g;	Emission dBuV/m 46.16 48.73 49.43 g; bandwid Emission dBuV/m 48.28 46.23 46.44 bandwidth:	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54 54 20MHz; Ch	Margin dB -7.84 -5.27 -4.57 Channel:High Margin dB -5.72 -7.56 cannel:High	Ant.Pos cm gh Ant.Pos	peak peak peak peak
Mark * Mode:a; Mark	Frequency R MHz d 4874 7311 9748 Polarization:Ho Frequency R MHz d 4924 7386 9848 Polarization:Ver Frequency R	X_R F BuV d 39.24 37.65 35.07 rizontal; Mc X_R F BuV d 40.97 34.82 32.06 rtical; Modu X_R F	factor B 6.92 11.08 14.36 codulation: Gactor B 7.31 11.41 14.38 culation:g; factor	Emission dBuV/m 46.16 48.73 49.43 g; bandwid Emission dBuV/m 48.28 46.23 46.44 bandwidth:: Emission	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54 54 20MHz; Ch Limit	Margin dB -7.84 -5.27 -4.57 Channel:High Margin dB -5.72 -7.77 -7.56 cannel:High Margin	Ant.Pos cm gh Ant.Pos	peak peak peak peak
* Mode:a; Mark * Mode:a;	Frequency R MHz d 4874 7311 9748 Polarization:Ho Frequency R MHz d 4924 7386 9848 Polarization:Ver Frequency R MHz d	X_R F BuV d 39.24 37.65 35.07 rizontal; Mc X_R F BuV d 40.97 34.82 32.06 rtical; Modu X_R F BuV d d d d d d d d d d d d d d d d d d d	factor B 6.92 11.08 14.36 codulation: Factor B 7.31 11.41 14.38 culation:g; Factor B	Emission dBuV/m 46.16 48.73 49.43 g; bandwid Emission dBuV/m 48.28 46.23 46.44 bandwidth:: Emission dBuV/m	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54 54 20MHz; Ch Limit dBuV/m	Margin dB -7.84 -5.27 -4.57 Channel:High Margin dB -5.72 -7.77 -7.56 cannel:High Margin dB	Ant.Pos cm gh Ant.Pos cm	peak peak peak peak
* Mode:a; Mark * Mode:a; Mark	Frequency R MHz d 4874 7311 9748 Polarization:Ho Frequency R MHz d 4924 7386 9848 Polarization:Ver Frequency R MHz d 4924	X_R F BuV d 39.24 37.65 35.07 rizontal; Mc X_R F BuV d 40.97 34.82 32.06 rtical; Modu X_R F BuV d 38.42	Factor B 6.92 11.08 14.36 Idulation: Factor B 7.31 11.41 14.38 Idulation: Factor B 7.31	Emission dBuV/m 46.16 48.73 49.43 g; bandwid Emission dBuV/m 48.28 46.23 46.44 bandwidth:: Emission dBuV/m 45.73	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54 54 20MHz; Ch Limit dBuV/m 54	Margin dB -7.84 -5.27 -4.57 Channel:High Margin dB -5.72 -7.77 -7.56 cannel:High Margin dB Margin dB -8.27	Ant.Pos cm gh Ant.Pos cm Ant.Pos	peak peak peak peak peak
* Mode:a; Mark * Mode:a;	Frequency R MHz d 4874 7311 9748 Polarization:Ho Frequency R MHz d 4924 7386 9848 Polarization:Ver Frequency R MHz d	X_R F BuV d 39.24 37.65 35.07 rizontal; Mc X_R F BuV d 40.97 34.82 32.06 rtical; Modu X_R F BuV d d d d d d d d d d d d d d d d d d d	factor B 6.92 11.08 14.36 codulation: Factor B 7.31 11.41 14.38 culation:g; Factor B	Emission dBuV/m 46.16 48.73 49.43 g; bandwid Emission dBuV/m 48.28 46.23 46.44 bandwidth:: Emission dBuV/m	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54 54 20MHz; Ch Limit dBuV/m	Margin dB -7.84 -5.27 -4.57 Channel:High Margin dB -5.72 -7.77 -7.56 cannel:High Margin dB Margin dB -8.27	Ant.Pos cm gh Ant.Pos cm Ant.Pos	peak peak peak peak peak



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Mode:a;	Polarization:Ho	rizontal; Mod	dulation:	n; bandwid	th:20MHz;	Channel:Lo	W
Mark	Frequency R	_	ctor	Emission		Margin	Ant.Pos
		BuV dB		dBuV/m		dB	cm
at.	4824	41.44	6.40				•
*	7236	38.02	10.76				•
	9648	34.92	14.37	49.29	54	-4.71	peak
Mode:a;	Polarization:Ver	rtical; Modul	ation:n;	bandwidth:	20MHz; Ch	nannel:Low	
Mark	Frequency R	X_R Fa	ctor	Emission	Limit	Margin	Ant.Pos
	MHz d	BuV dB		dBuV/m	dBuV/m	dB	cm
	4824	42.34	6.40	48.74	54	-5.26	peak
	7236	39.80	10.76	50.56	54	-3.44	peak
*	9648	34.11	14.37	48.48	54	-5.52	peak
Mode:a;	Polarization:Hor	rizontal; Mod	dulation:	n; bandwid	th:20MHz;	Channel:mi	ddle
Mark	Frequency R	X_R Fa	ctor	Emission	Limit	Margin	Ant.Pos
	MHz d	BuV dB		dBuV/m	dBuV/m	dB	cm
	4874	39.84	6.92	46.76	54	-7.24	peak
	7311	34.28	11.08	45.36	54	-8.64	peak
*	9748	35.41	14.36	49.77	54	-4.23	peak
Mode:a;	Polarization:Ver	rtical; Modul	ation:n;	bandwidth:	20MHz; Ch	nannel:midd	le
Mode:a; Mark	Polarization:Ver Frequency R		ation:n; ctor	bandwidth: Emission		nannel:midd Margin	le Ant.Pos
	Frequency R		ctor				
	Frequency R	X_R Fa	ctor	Emission dBuV/m	Limit dBuV/m	Margin dB	Ant.Pos cm
	Frequency R MHz di	X_R Fa BuV dB	ctor	Emission dBuV/m 48.68	Limit dBuV/m 54	Margin dB -5.32	Ant.Pos cm peak
	Frequency R MHz dl 4874	X_R Fa BuV dB 41.76	ctor 6.92	Emission dBuV/m 48.68 46.22	Limit dBuV/m 54	Margin dB -5.32 -7.78	Ant.Pos cm peak peak
Mark *	Frequency R MHz di 4874 7311	X_R Fa BuV dB 41.76 35.14 35.91	6.92 11.08 14.36	Emission dBuV/m 48.68 46.22 50.27	Limit dBuV/m 54 54	Margin dB -5.32 -7.78 -3.73	Ant.Pos cm peak peak peak
Mark *	Frequency R MHz di 4874 7311 9748	X_R Fa BuV dB 41.76 35.14 35.91 rizontal; Mod	6.92 11.08 14.36	Emission dBuV/m 48.68 46.22 50.27	Limit dBuV/m 54 54 th:20MHz;	Margin dB -5.32 -7.78 -3.73	Ant.Pos cm peak peak peak
Mark * Mode:a;	Frequency R MHz di 4874 7311 9748 Polarization:Hor	X_R Fa BuV dB 41.76 35.14 35.91 rizontal; Moo X_R Fa	6.92 11.08 14.36 dulation:	Emission dBuV/m 48.68 46.22 50.27 n; bandwid Emission	Limit dBuV/m 54 54 th:20MHz;	Margin dB -5.32 -7.78 -3.73 Channel:Hi Margin	Ant.Pos cm peak peak peak
Mark * Mode:a;	Frequency R MHz di 4874 7311 9748 Polarization:Hor	X_R Fa BuV dB 41.76 35.14 35.91 rizontal; Moo X_R Fa	6.92 11.08 14.36 dulation:	Emission dBuV/m 48.68 46.22 50.27 n; bandwid Emission dBuV/m	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m	Margin dB -5.32 -7.78 -3.73 Channel:Hi Margin dB	Ant.Pos cm peak peak peak gh Ant.Pos cm
Mark * Mode:a;	Frequency R MHz di 4874 7311 9748 Polarization:Hor Frequency R MHz di	X_R Fa BuV dB 41.76 35.14 35.91 rizontal; Mod X_R Fa BuV dB	6.92 11.08 14.36 dulation:	Emission dBuV/m 48.68 46.22 50.27 n; bandwid Emission dBuV/m 45.79	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54	Margin dB -5.32 -7.78 -3.73 Channel:Hi Margin dB -8.21	Ant.Pos cm peak peak peak gh Ant.Pos cm peak
Mark * Mode:a;	Frequency R MHz di 4874 7311 9748 Polarization:Hor Frequency R MHz di 4924	X_R Fa BuV dB 41.76 35.14 35.91 rizontal; Mod X_R Fa BuV dB 38.48	6.92 11.08 14.36 dulation: ctor	Emission dBuV/m 48.68 46.22 50.27 n; bandwid Emission dBuV/m 45.79 46.78	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54	Margin dB -5.32 -7.78 -3.73 Channel:Hi Margin dB -8.21 -7.22	Ant.Pos cm peak peak peak peak Ant.Pos cm peak
Mark * Mode:a; Mark	Frequency R MHz di 4874 7311 9748 Polarization:Hor Frequency R MHz di 4924 7386	X_R Fa BuV dB 41.76 35.14 35.91 rizontal; Moc X_R Fa BuV dB 38.48 35.37 36.01	6.92 11.08 14.36 dulation: ctor 7.31 11.41 14.38	Emission dBuV/m 48.68 46.22 50.27 n; bandwid Emission dBuV/m 45.79 46.78 50.39	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54 54	Margin dB -5.32 -7.78 -3.73 Channel:Hi Margin dB -8.21 -7.22 -3.61	Ant.Pos cm peak peak peak gh Ant.Pos cm peak
Mark * Mode:a; Mark	Frequency R MHz di 4874 7311 9748 Polarization:Hor Frequency R MHz di 4924 7386 9848	X_R Fa BuV dB 41.76 35.14 35.91 rizontal; Mod X_R Fa BuV dB 38.48 35.37 36.01 rtical; Modulation	6.92 11.08 14.36 dulation: ctor 7.31 11.41 14.38	Emission dBuV/m 48.68 46.22 50.27 n; bandwid Emission dBuV/m 45.79 46.78 50.39	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54 54 20MHz; Ch	Margin dB -5.32 -7.78 -3.73 Channel:Hi Margin dB -8.21 -7.22 -3.61	Ant.Pos cm peak peak peak gh Ant.Pos cm peak
<pre>Mark * Mode:a; Mark * Mode:a;</pre>	Frequency R MHz di 4874 7311 9748 Polarization:Hor Frequency R MHz di 4924 7386 9848 Polarization:Ver Frequency R	X_R Fa BuV dB 41.76 35.14 35.91 rizontal; Mod X_R Fa BuV dB 38.48 35.37 36.01 rtical; Modulation	6.92 11.08 14.36 dulation: ctor 7.31 11.41 14.38 ation:n;	Emission dBuV/m 48.68 46.22 50.27 in; bandwid Emission dBuV/m 45.79 46.78 50.39 bandwidth: Emission	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54 54 20MHz; Ch	Margin dB -5.32 -7.78 -3.73 Channel:Hi Margin dB -8.21 -7.22 -3.61 nannel:High Margin	Ant.Pos cm peak peak peak peak om peak peak peak peak peak peak peak
<pre>Mark * Mode:a; Mark * Mode:a;</pre>	Frequency R MHz di 4874 7311 9748 Polarization:Hor Frequency R MHz di 4924 7386 9848 Polarization:Ver Frequency R	X_R Fa BuV dB 41.76 35.14 35.91 rizontal; Mod X_R Fa BuV dB 38.48 35.37 36.01 rtical; Modula X_R Fa	6.92 11.08 14.36 dulation: ctor 7.31 11.41 14.38 ation:n;	Emission dBuV/m 48.68 46.22 50.27 n; bandwid Emission dBuV/m 45.79 46.78 50.39 bandwidth: Emission dBuV/m	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54 54 20MHz; Cr Limit dBuV/m	Margin dB -5.32 -7.78 -3.73 Channel:Hi Margin dB -8.21 -7.22 -3.61 nannel:High Margin dB	Ant.Pos cm peak peak peak peak Mat.Pos cm peak peak peak peak peak peak peak
<pre>Mark * Mode:a; Mark * Mode:a;</pre>	Frequency R MHz di 4874 7311 9748 Polarization:Hor Frequency R MHz di 4924 7386 9848 Polarization:Ver Frequency R MHz di	X_R Fa BuV dB 41.76 35.14 35.91 rizontal; Moc X_R Fa BuV dB 38.48 35.37 36.01 rtical; Modul: X_R Fa BuV dB	6.92 11.08 14.36 dulation: ctor 7.31 11.41 14.38 ation:n;	Emission dBuV/m 48.68 46.22 50.27 in; bandwid Emission dBuV/m 45.79 46.78 50.39 bandwidth: Emission dBuV/m 45.90	Limit dBuV/m 54 54 th:20MHz; Limit dBuV/m 54 54 20MHz; Ch Limit dBuV/m 54 54 54	Margin dB -5.32 -7.78 -3.73 Channel:Hi Margin dB -8.21 -7.22 -3.61 mannel:High Margin dB -8.10	Ant.Pos cm peak peak peak peak Mat.Pos cm peak peak peak peak peak peak peak pea



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Mark				z; Channel:Lo)W	
	Frequency RX_R		Emission Limit	Margin	Ant.Pos	
	MHz dBuV		dBuV/m dBuV/r		cm	
*		1.94 6.60		54 -5.46	•	
7		4.67 10.89 5.63 14.35		54 -8.44 54 -4.02	1	
	9000 3.	3.03 14.33	49.90	<i>J</i> 4 -4.02	peal	Λ.
Mode:a;	Polarization:Vertical;	; Modulation:n;	bandwidth:40MHz;	Channel:Low		
Mark	Frequency RX_R		Emission Limit	Margin	Ant.Pos	
	MHz dBuV		dBuV/m dBuV/r		cm	
		3.59 6.60		54 -3.81	1	
		8.18 10.89		54 -4.93	•	
*	9688 34	4.43 14.35	48.78	54 -5.22	peal	K
Mode:a;	Polarization:Horizont	tal; Modulation:r	n; bandwidth:40MH	z; Channel:m	iddle	
Mark	Frequency RX_R		Emission Limit	Margin	Ant.Pos	
	MHz dBuV	dB	dBuV/m dBuV/r	n dB	cm	
	4874 42	2.92 6.92	49.84	54 -4.16	peal	K
*	7311 34	4.73 11.08	45.81	54 -8.19	peal	K
	9748 32	2.70 14.36	47.06	54 -6.94	peal	K
Mode:a:	Polarization:Vertical;	· Modulation:n:	handwidth:40MHz:	Channel midd	اام	
Mark	Frequency RX_R		Emission Limit	Margin	Ant.Pos	
1111111		. I deter		111015111	AIII FUS	
		dB		_		
	MHz dBuV		dBuV/m dBuV/r	n dB	cm	k
*	MHz dBuV 4874 38	8.67 6.92	dBuV/m dBuV/r 45.59	m dB 54 -8.41	cm peal	
*	MHz dBuV 4874 38 7311 38		dBuV/m dBuV/r 45.59 49.31	n dB	cm peal peal	K
	MHz dBuV 4874 38 7311 38 9748 33	8.67 6.92 8.23 11.08 5.37 14.36	dBuV/m dBuV/r 45.59 49.31 49.73	n dB 54 -8.41 54 -4.69 54 -4.27	cm peal peal peal	K
Mode:a;	MHz dBuV 4874 38 7311 38 9748 33	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH	n dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi	cm peal peal peal	K
	MHz dBuV 4874 38 7311 38 9748 33 Polarization:Horizont Frequency RX_R	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH Emission Limit	n dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi Margin	cm peal peal peal gh Ant.Pos	K
Mode:a;	MHz dBuV 4874 38 7311 38 9748 33 Polarization:Horizont Frequency RX_R MHz dBuV	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r C Factor dB	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH Emission Limit dBuV/m dBuV/r	n dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi Margin n dB	cm peal peal peal gh Ant.Pos cm	k k
Mode:a; Mark	MHz dBuV 4874 38 7311 38 9748 38 Polarization:Horizont Frequency RX_R MHz dBuV 4904 38	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r 8 Factor dB 8.71 7.22	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH Emission Limit dBuV/m dBuV/r 45.93	n dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi Margin n dB 54 -8.07	cm peal peal peal gh Ant.Pos cm peal	k K
Mode:a;	MHz dBuV 4874 38 7311 38 9748 33 Polarization:Horizont Frequency RX_R MHz dBuV 4904 38 7356 33	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r 8 Factor dB 8.71 7.22 5.01 11.28	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH Emission Limit dBuV/m dBuV/r 45.93 46.29	n dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi Margin n dB 54 -8.07 54 -7.71	cm peal peal peal gh Ant.Pos cm peal peal	k k
Mode:a; Mark	MHz dBuV 4874 38 7311 38 9748 33 Polarization:Horizont Frequency RX_R MHz dBuV 4904 38 7356 33	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r 8 Factor dB 8.71 7.22	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH Emission Limit dBuV/m dBuV/r 45.93 46.29	n dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi Margin n dB 54 -8.07	cm peal peal peal peal gh Ant.Pos cm peal	k k
Mode:a; Mark *	MHz dBuV 4874 38 7311 38 9748 33 Polarization:Horizont Frequency RX_R MHz dBuV 4904 38 7356 33	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r 8 Factor dB 8.71 7.22 5.01 11.28 3.54 14.37	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH Emission Limit dBuV/m dBuV/r 45.93 46.29 47.91	m dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi Margin m dB 54 -8.07 54 -7.71 54 -6.09	cm peal peal peal gh Ant.Pos cm peal peal peal peal	k k
Mode:a; Mark *	MHz dBuV 4874 38 7311 38 9748 38 Polarization:Horizont Frequency RX_R MHz dBuV 4904 38 7356 38 9808 38	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r 8 Factor dB 8.71 7.22 5.01 11.28 3.54 14.37 ; Modulation:n;	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH Emission Limit dBuV/m dBuV/r 45.93 46.29 47.91	m dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi Margin m dB 54 -8.07 54 -7.71 54 -6.09	cm peal peal peal gh Ant.Pos cm peal peal peal peal	k k
Mode:a; Mark * Mode:a;	MHz dBuV 4874 38 7311 38 9748 33 Polarization:Horizont Frequency RX_R MHz dBuV 4904 38 7356 38 9808 33	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r R Factor dB 8.71 7.22 5.01 11.28 3.54 14.37 ; Modulation:n; R Factor	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH Emission Limit dBuV/m dBuV/r 45.93 46.29 47.91 bandwidth:40MHz;	n dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi Margin n dB 54 -8.07 54 -7.71 54 -6.09 Channel:High Margin	cm peal peal peal peal peal peal peal pea	k k
Mode:a; Mark * Mode:a;	MHz dBuV 4874 38 7311 38 9748 33 Polarization:Horizont Frequency RX_R MHz dBuV 4904 38 7356 38 9808 33 Polarization:Vertical; Frequency RX_R MHz dBuV	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r R Factor dB 8.71 7.22 5.01 11.28 3.54 14.37 ; Modulation:n; R Factor	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH Emission Limit dBuV/m dBuV/r 45.93 46.29 47.91 bandwidth:40MHz; Emission Limit dBuV/m dBuV/r	n dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi Margin n dB 54 -8.07 54 -7.71 54 -6.09 Channel:High Margin	cm peal peal peal peal peal Ant.Pos cm peal peal peal	k k k k
Mode:a; Mark * Mode:a;	MHz dBuV 4874 38 7311 38 9748 33 Polarization:Horizont Frequency RX_R MHz dBuV 4904 38 7356 33 9808 33 Polarization:Vertical; Frequency RX_R MHz dBuV 4904 40	8.67 6.92 8.23 11.08 5.37 14.36 tal; Modulation:r 8 Factor dB 8.71 7.22 5.01 11.28 3.54 14.37 ; Modulation:n; 8 Factor dB	dBuV/m dBuV/r 45.59 49.31 49.73 n; bandwidth:40MH Emission Limit dBuV/m dBuV/r 45.93 46.29 47.91 bandwidth:40MHz; Emission Limit dBuV/m dBuV/r 48.20	m dB 54 -8.41 54 -4.69 54 -4.27 z; Channel:Hi Margin m dB 54 -8.07 54 -7.71 54 -6.09 Channel:High Margin m dB	cm peal peal peal peal peal Ant.Pos cm peal peal peal peal peal peal peal pea	k k k k



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8 Test Setup Photographs

Refer to the <Test Setup Photos>

9 EUT Constructional Details

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

- End of the Report -