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Report No.: SHEM181100990001

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TEST REPORT

Application No.: SHEM1811009900CR **FCC ID:** 2ADTD-NOH0800

Applicant: Hangzhou Hikvision Digital Technology Co., Ltd.

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

Manufacturer: Hangzhou Hikvision Digital Technology Co., Ltd.

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

Factory: 1. Hangzhou Hikvision Technology Co., Ltd. 2. Hangzhou Hikvision Electronics Co., Ltd.

3, Hangzhou Hikvision Digital Technology Co., Ltd.

5, Hangzhou Filkvision Digital 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, No. 555 Qianmo Road, Binjiang District, Hangzhou 310052, China

Equipment Under Test (EUT):

EUT Name: Digital Video Recorder

Model No.: DVR-H2T80B-81-HIK, DVR-H2T80B-8-HIK¤

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

actually tested and which were electrically identical.

Trade mark: HIKVISION

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

Date of Receipt: 2018-11-09

Date of Test: 2018-11-14 to 2018-11-15

Date of Issue: 2018-11-21

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	2018-11-21	/		

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					
Item	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	

Declaration of EUT Family Grouping:

Note: There are series models mentioned in this report, and they are the identical in electrical and electronic characters. Only the model DVR-H2T80B-81-HIK was tested since their differences were the model number and appearance.



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 12V by adapter

Adapter:

Model No.: ADS-26FSG-12 12018EPCU/EPC

Input:100-240V~50/60Hz

Output:12V 1.5A

Test voltage: AC 120V 60Hz

Cable: DC Cable 150cm for adapter

Antenna Gain Antenna 1:5.5dBi, Antenna 2:5.5dBi

Antenna Type Monopole Antenna

Channel Spacing 5MHz

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

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

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

802.11n(HT40):7

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

802.11n(HT40): 2422MHz to 2452MHz

4.2 Description of Support Units

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

4.3 Power level setting using in test:

Channel	802.11b	802.11g	802.11n(HT20)	802.11n(HT40)
1	41	50	50	48
6	41	50	50	48
11	41	50	50	48



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4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	±7.25 x 10-8
2	Timeout	±2s
3	Duty cycle	±0.37%
4	Occupied Bandwidth	±3%
5	RF conducted power	±0.75dB
6	RF power density	±2.84dB
7	Conducted Spurious emissions	±0.75dB
0	DE Dadieted never	±4.5dB (Below 1GHz)
8	RF Radiated power	±4.8dB (Above 1GHz)
		±4.2dB (Below 30MHz)
0	Dedicted Courieus 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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4.5 Test Location

All tests were performed at:

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

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

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

No tests were sub-contracted.

4.6 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.

4.7 Deviation from Standards

None

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		model No	inventory ito	Our Dute	our Due Dute
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	2018-12-15
Conducted Test	,	OLUT	/	2017-12-20	2010-12-23
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		N5182A	SHEM182-1	2018-08-13	2019-08-12
Communication Tester	Agilent R&S	CMW270	SHEM183-1	2018-08-13	2019-08-12
					2019-08-12
Switcher Power Sensor	Tonscend	JS0806	SHEM184-1	2018-08-13	†
	Keysight	U2021XA * 4	SHEM184-1	2018-08-13	2019-08-12
Splitter	Anritsu	MA1612A	SHEM185-1	/	/
Coupler	e-meca	803-S-1	SHEM186-1	/	/
High-low Temp Cabinet	Suzhou Zhihe	TL-40	SHEM087-1	2017-09-25	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				T	T
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	1	1
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 Monopole Antenna and no consideration of replacement. The best case gain of the antenna 1: 5.5dBi, antenna 2: 5.5dBi.





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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:

Eroquanay of amission(MHz)	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:

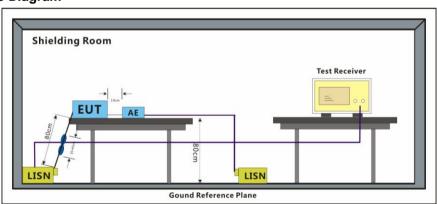
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with all modulation

types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40).

Only the data of worst case is recorded in the report.

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.

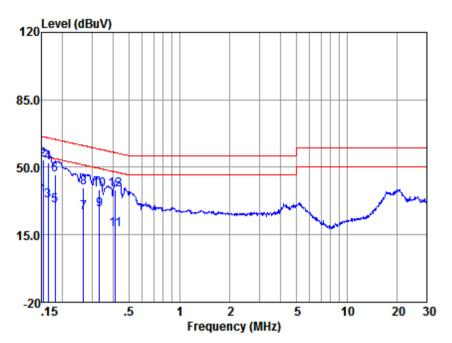
Remark: LISN=Read Level+ Cable Loss+ LISN Factor



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Mode:a; Line:Live Line



LISN : LINE EUT/Project No : 9899CR

Test mode : a

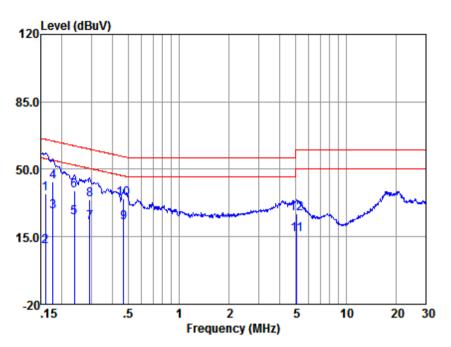
	Freq	Read	LISN	Cable	Emission	1	0ver	
		level	Factor	Loss	Level	Limit	Limit	Remark
	(MHz)	(dBuV)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.15	25.49	0.05	9.82	35.36	55.87	-20.51	Average
2	0.15	44.14	0.05	9.82	54.01	65.87	-11.86	QP
3	0.16	22.88	0.05	9.83	32.76	55.25	-22.49	Average
4	0.16	42.66	0.05	9.83	52.54	65.25	-12.71	QP
5	0.18	20.00	0.05	9.83	29.88	54.50	-24.62	Average
6	0.18	36.43	0.05	9.83	46.31	64.50	-18.19	QP
7	0.27	16.59	0.05	9.85	26.49	51.20	-24.71	Average
8	0.27	29.64	0.05	9.85	39.54	61.20	-21.66	QP
9	0.33	17.91	0.05	9.84	27.80	49.40	-21.60	Average
10	0.33	28.46	0.05	9.84	38.35	59.40	-21.05	QP
11	0.41	7.93	0.05	9.85	17.83	47.59	-29.76	Average
12	0.41	28.60	0.05	9.85	38.50	57.59	-19.09	QP
N	otes: Er	nission	Level =	Read Lev	el +LISN	Factor +	- Cable lo	oss



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Mode:a; Line:Neutral Line



LISN : NEUTRAL EUT/Project No : 9899CR

Test mode : a

Cable Emission Read LISN 0ver Freq level Factor Loss Level Limit Limit Remark (MHz) (dBuV) (dB) (dB) (dBuV) (dBuV) (dB) -----0.06 9.82 37.09 -18.43 1 0.16 27.21 55.52 Average 2 0.16 0.00 0.06 9.82 9.88 65.52 -55.64 QΡ 3 0.18 18.40 0.06 9.83 28.29 54.64 -26.35 Average 4 0.18 33.84 0.06 9.83 43.73 64.64 -20.91 QP 25.20 5 0.24 15.29 0.06 9.85 52.17 -26.97 Average 6 0.24 28.91 0.06 9.85 38.82 62.17 -23.35 QP 7 0.29 12.43 0.06 9.85 22.34 50.41 -28.07 Average 34.49 -25.92 8 0.29 24.58 0.06 9.85 60.41 QΡ 9 22.27 46.58 -24.31 Average 0.47 12.40 0.05 9.82 0.05 10 24.72 9.82 34.59 56.58 -21.99 0.47 OP 0.08 9.90 50.00 -33.92 11 5.08 6.10 16.08 Average 0.08 9.90 27.24 60.00 -32.76 5.08 17.26 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:

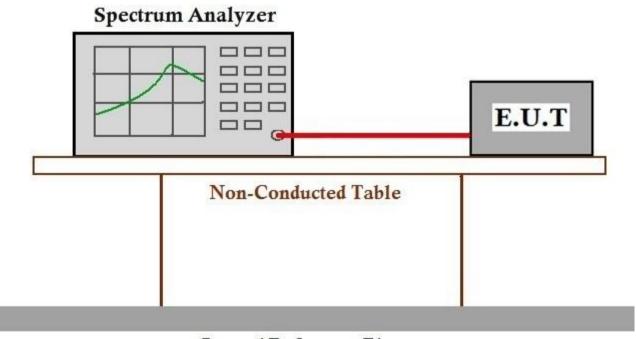
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with all modulation

types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40).

Only the data of worst case is recorded in the report.

7.2.2 Test Setup Diagram



Ground Reference Plane

7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM181100990001



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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 modulat			
Remark: 2400-2483.5	Remark : 2400-2483.5MHz Conduct Power for MIMO mode ≤27.49dBm		



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7.3.1 E.U.T. Operation

Operating Environment:

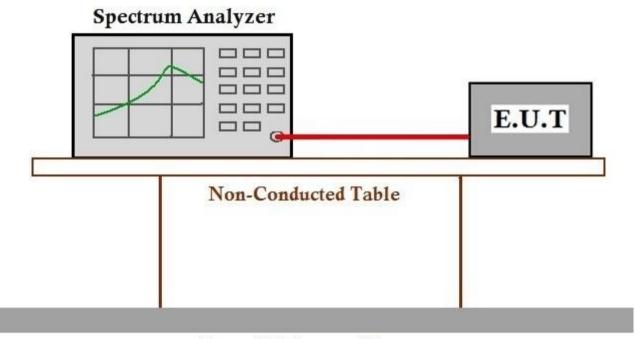
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with all modulation

types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40).

Only the data of worst case is recorded in the report.

7.3.2 Test Setup Diagram



Ground Reference Plane

7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM181100990001



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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

Remark: 2400-2483.5MHz Conduct Power Spectrum Density for MIMO mode ≤5.49dBm

7.4.1 E.U.T. Operation

Operating Environment:

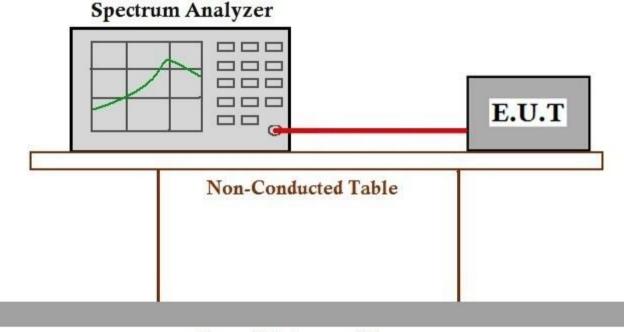
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with all modulation

types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40).

Only the data of worst case is recorded in the report.

7.4.2 Test Setup Diagram



Ground Reference Plane

7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM181100990001



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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 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)



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7.5.1 E.U.T. Operation

Operating Environment:

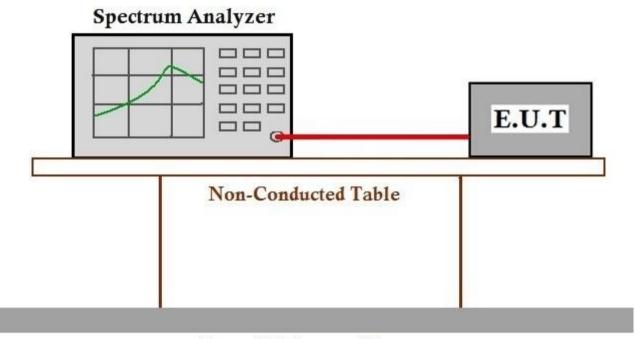
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with all modulation

types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40).

Only the data of worst case is recorded in the report.

7.5.2 Test Setup Diagram



Ground Reference Plane

7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM181100990001



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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)



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7.6.1 E.U.T. Operation

Operating Environment:

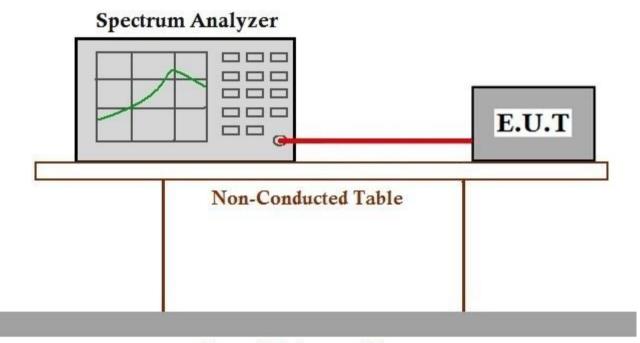
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with all modulation

types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40).

Only the data of worst case is recorded in the report.

7.6.2 Test Setup Diagram



Ground Reference Plane

7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM181100990001



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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.



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7.7.1 E.U.T. Operation

Operating Environment:

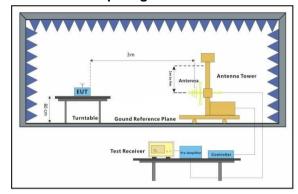
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

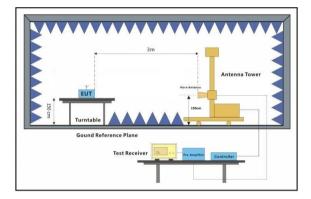
Test mode a:TX mode_Keep the EUT in continuously transmitting mode with all modulation

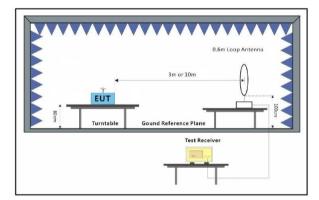
types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40).

Only the data of worst case is recorded in the report.

7.7.2 Test Setup Diagram









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7.7.3 Measurement Procedure and Data

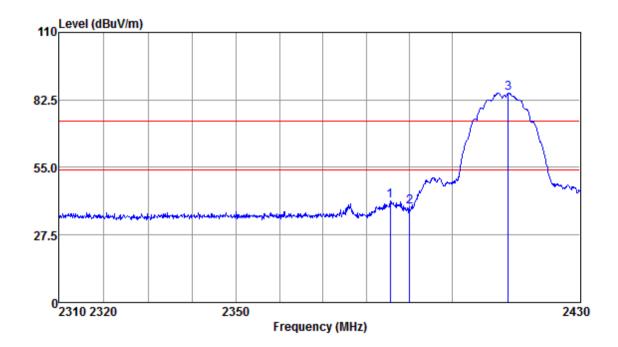
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 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.
- Remark 3: This test item was investigated while operating in SISO and MIMO mode, however, it was determined that SISO antenna 1 operation for b/g modulation and MIMO antenna operation for n/ modulation produced the worst emissions. So the emissions produced from other operation are not report.



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



Antenna Polarity : HORIZONTAL

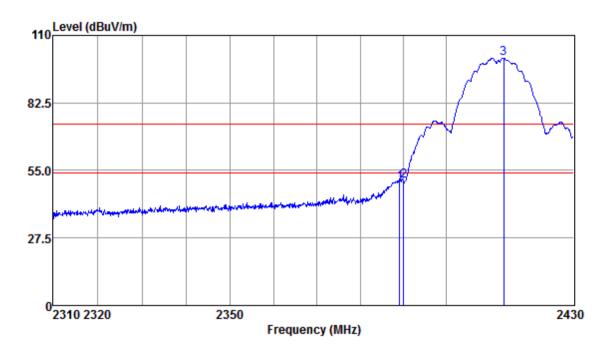
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2385.49	46.07	26.03	6.47	37.36	41.21	74.00	-32.79	Peak
2390.00	43.81	26.03	6.47	37.36	38.95	74.00	-35.05	Peak
2413.08	90.01	26.08	6.50	37.36	85.23	74.00	11.23	Peak



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



Antenna Polarity : VERTICAL

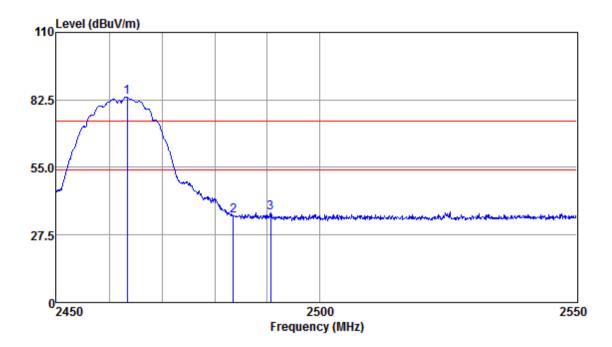
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.12	54.93	26.03	6.47	37.36	50.07	74.00	-23.93	Peak
2390.00	55.42	26.03	6.47	37.36	50.56	74.00	-23.44	Peak
2413.44	105.47	26.08	6.50	37.36	100.69	74.00	26.69	Peak



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



Antenna Polarity : HORIZONTAL

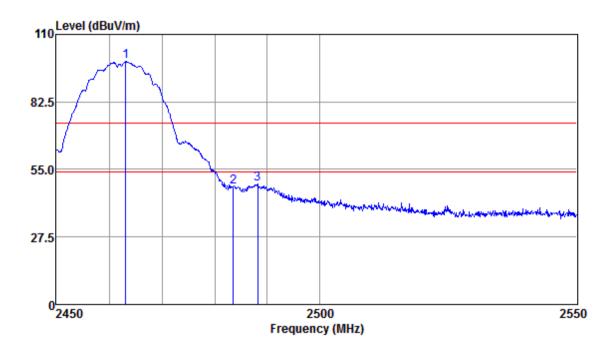
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2463.37	88.24	26.15	6.68	37.46	83.61	74.00	9.61	Peak
2483.50	39.92	26.18	6.80	37.51	35.39	74.00	-38.61	Peak
2490.72	41.01	26.19	6.80	37.52	36.48	74.00	-37.52	Peak



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



Antenna Polarity : VERTICAL

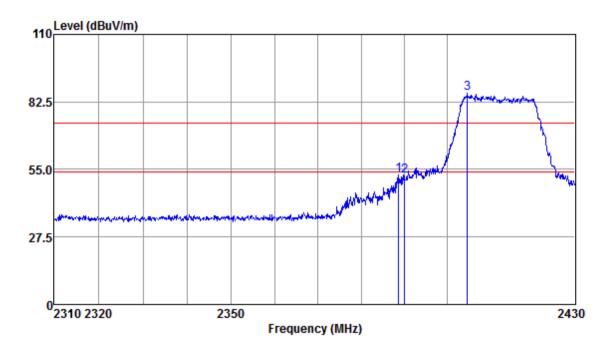
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2463.07	103.49	26.15	6.68	37.46	98.86	74.00	24.86	Peak
2483.50	52.38	26.18	6.80	37.51	47.85	74.00	-26.15	Peak
2488.23	53.80	26.18	6.80	37.51	49.27	74.00	-24.73	Peak



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



Antenna Polarity : HORIZONTAL

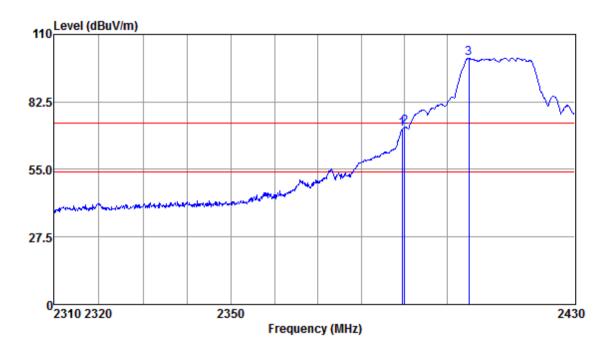
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2388.64	57.61	26.03	6.47	37.36	52.75	74.00	-21.25	Peak
2390.00	57.17	26.03	6.47	37.36	52.31	74.00	-21.69	Peak
2404.66	90.84	26.06	6.50	37.35	86.05	74.00	12.05	Peak



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



Antenna Polarity : VERTICAL

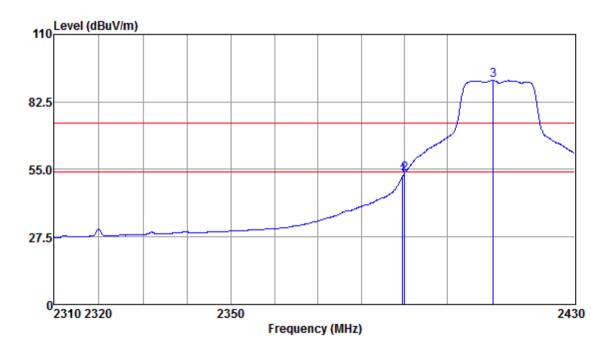
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.48	76.15	26.03	6.47	37.36	71.29	74.00	-2.71	Peak
2390.00	77.10	26.03	6.47	37.36	72.24	74.00	-1.76	Peak
2405.02	105.21	26.06	6.50	37.35	100.42	74.00	26.42	Peak



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



Antenna Polarity : VERTICAL

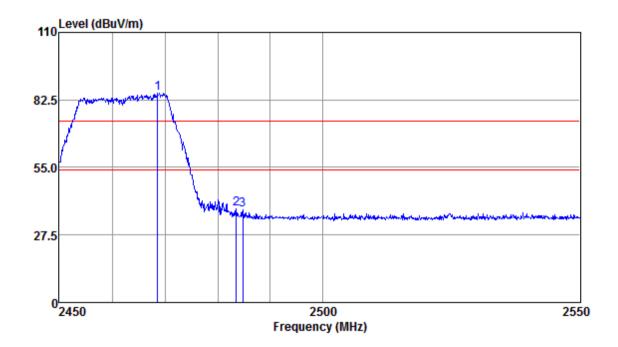
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.61	57.05	26.03	6.47	37.36	52.19	54.00	-1.81	Average
2390.00	58.11	26.03	6.47	37.36	53.25	54.00	-0.75	Average
2410.76	96.00	26.06	6.50	37.35	91.21	54.00	37.21	Average



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



Antenna Polarity : HORIZONTAL

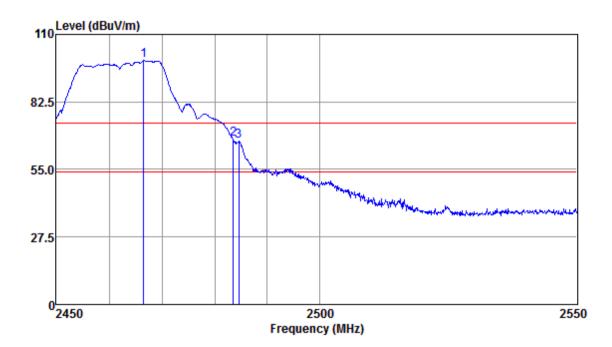
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.60	89.92	26.16	6.74	37.48	85.34	74.00	11.34	Peak
2483.50	42.60	26.18	6.80	37.51	38.07	74.00	-35.93	Peak
2484.75	42.23	26.18	6.80	37.51	37.70	74.00	-36.30	Peak



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



Antenna Polarity : VERTICAL

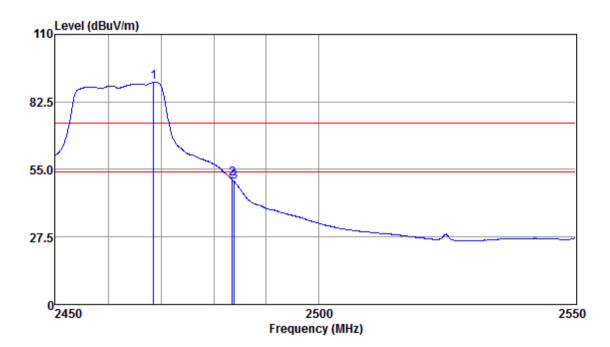
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2466.52	103.93	26.15	6.74	37.46	99.36	74.00	25.36	Peak
2483.50	72.02	26.18	6.80	37.51	67.49	74.00	-6.51	Peak
2484.55	70.99	26.18	6.80	37.51	66.46	74.00	-7.54	Peak



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



Antenna Polarity : VERTICAL

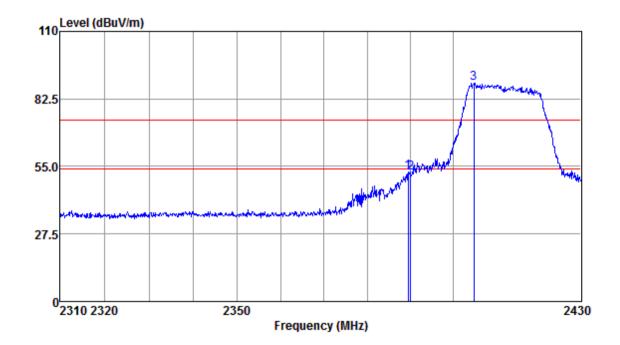
Freq					Emission Level			Remark
					dBuv/m			
2468.60	94.98	26.16	6.74	37.48	90.40	54.00	36.40	Average
2483.50	55.53	26.18	6.80	37.51	51.00	54.00	-3.00	Average
2483.95	54.54	26.18	6.80	37.51	50.01	54.00	-3.99	Average



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



Antenna Polarity : HORIZONTAL

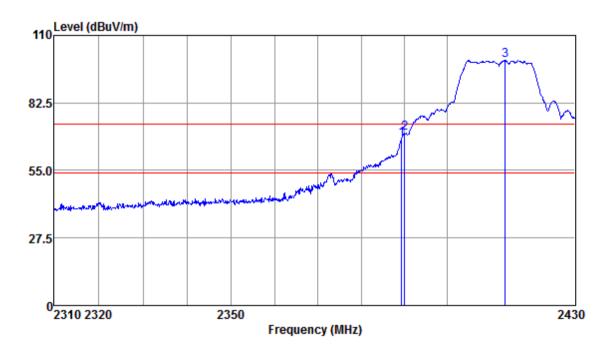
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.48	57.67	26.03	6.47	37.36	52.81	74.00	-21.19	Peak
2390.00	57.27	26.03	6.47	37.36	52.41	74.00	-21.59	Peak
2404.78	93.71	26.06	6.50	37.35	88.92	74.00	14.92	Peak



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



Antenna Polarity : VERTICAL

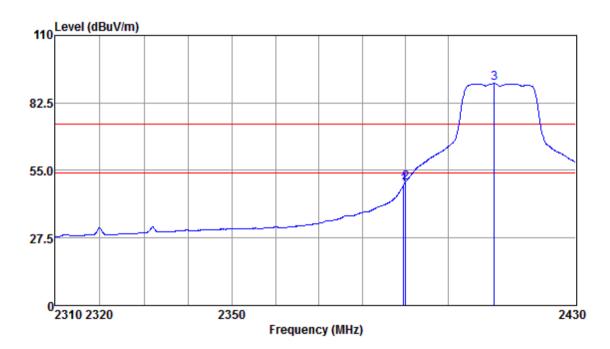
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.36	72.78	26.03	6.47	37.36	67.92	74.00	-6.08	Peak
2390.00	74.96	26.03	6.47	37.36	70.10	74.00	-3.90	Peak
2413.57	104.59	26.08	6.50	37.36	99.81	74.00	25.81	Peak



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



Antenna Polarity : VERTICAL

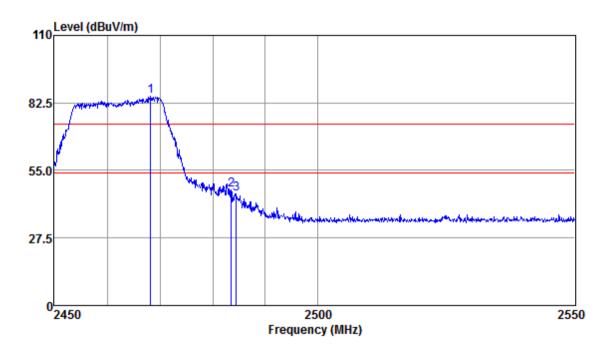
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.61	53.89	26.03	6.47	37.36	49.03	54.00	-4.97	Average
2390.00	54.93	26.03	6.47	37.36	50.07	54.00	-3.93	Average
2410.76	95.15	26.06	6.50	37.35	90.36	54.00	36.36	Average



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



Antenna Polarity : HORIZONTAL

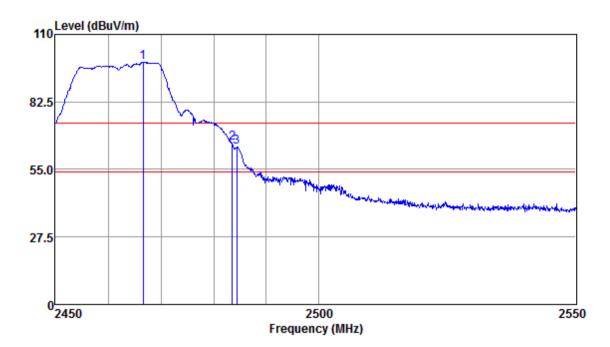
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.20	89.68	26.16	6.74	37.48	85.10	74.00	11.10	Peak
2483.50	51.57	26.18	6.80	37.51	47.04	74.00	-26.96	Peak
2484.45	50.12	26.18	6.80	37.51	45.59	74.00	-28.41	Peak



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



Antenna Polarity : VERTICAL

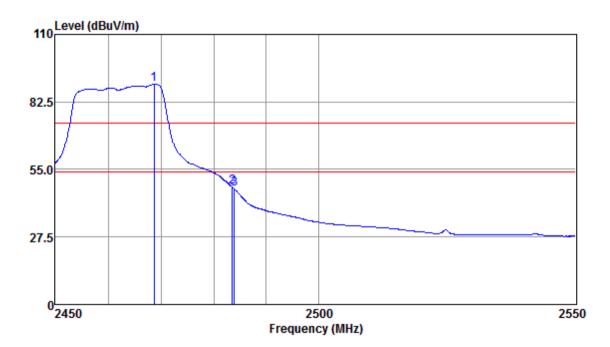
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2466.62	103.24	26.15	6.74	37.46	98.67	74.00	24.67	Peak
2483.50	70.21	26.18	6.80	37.51	65.68	74.00	-8.32	Peak
2484.35	68.47	26.18	6.80	37.51	63.94	74.00	-10.06	Peak



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



Antenna Polarity : VERTICAL

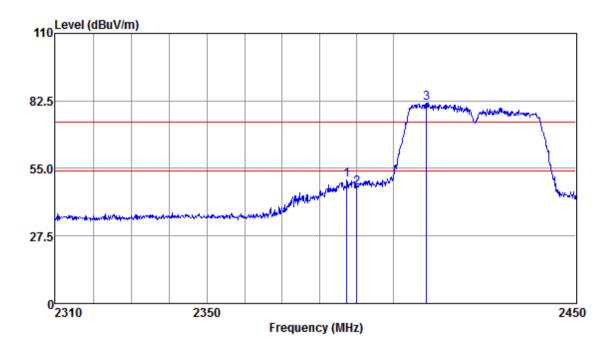
Freq					Emission Level			Remark
					dBuv/m			
2468.69	94.17	26.16	6.74	37.48	89.59	54.00	35.59	Average
2483.50	52.46	26.18	6.80	37.51	47.93	54.00	-6.07	Average
2483.95	51.60	26.18	6.80	37.51	47.07	54.00	-6.93	Average



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



Antenna Polarity : HORIZONTAL

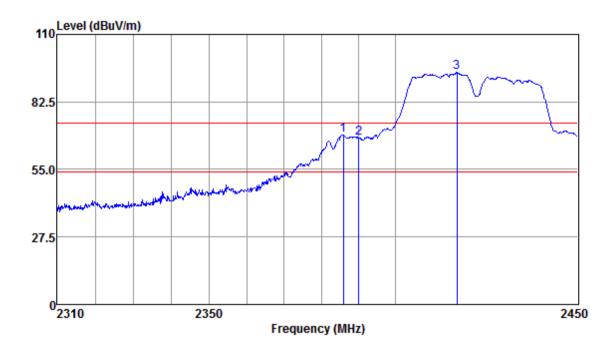
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2387.38	55.39	26.03	6.47	37.36	50.53	74.00	-23.47	Peak
2390.00	51.91	26.03	6.47	37.36	47.05	74.00	-26.95	Peak
2408.97	86.48	26.06	6.50	37.35	81.69	74.00	7.69	Peak



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



Antenna Polarity : VERTICAL

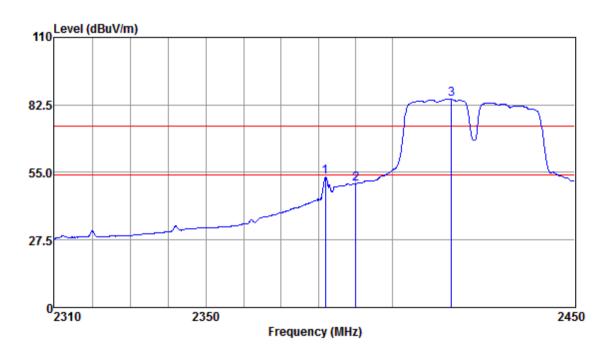
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2385.84	74.00	26.03	6.47	37.36	69.14	74.00	-4.86	Peak
2390.00	72.54	26.03	6.47	37.36	67.68	74.00	-6.32	Peak
2416.64	99.22	26.08	6.56	37.36	94.50	74.00	20.50	Peak



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



Antenna Polarity : VERTICAL

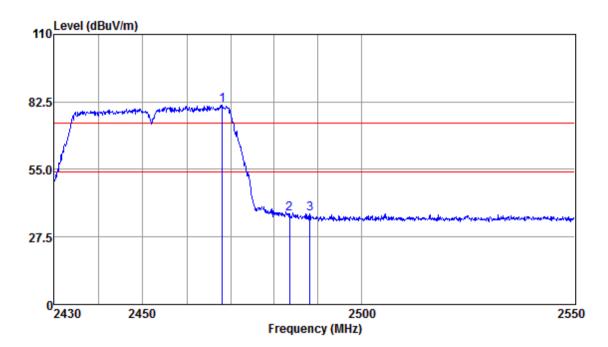
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2381.91	57.87	26.02	6.45	37.36	52.98	54.00	-1.02	Average
2390.00	55.33	26.03	6.47	37.36	50.47	54.00	-3.53	Average
2415.93	89.41	26.08	6.56	37.36	84.69	54.00	30.69	Average



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



Antenna Polarity : HORIZONTAL

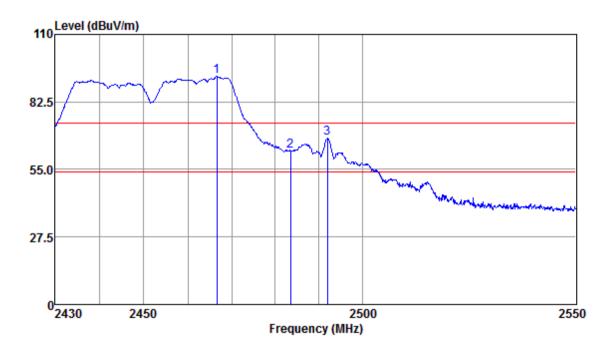
Freq					Emission Level			Remark
MU-	dPunz	dD /m	4D	4D	dDun/m	dDung/m	4D	
MUZ	abuv	ub/m	uв	uв	dBuv/m	abuv/m	uв	
2468.13	85.93	26.16	6.74	37.48	81.35	74.00	7.35	Peak
2483.50	41.43	26.18	6.80	37.51	36.90	74.00	-37.10	Peak
2488.20	41.51	26.18	6.80	37.51	36.98	74.00	-37.02	Peak



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



Antenna Polarity : VERTICAL

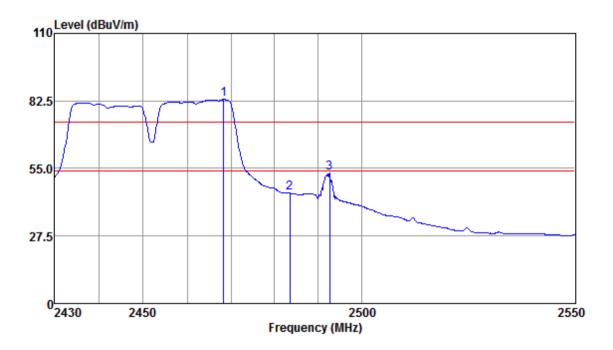
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2466.58	97.41	26.15	6.74	37.46	92.84	74.00	18.84	Peak
2483.50	66.88	26.18	6.80	37.51	62.35	74.00	-11.65	Peak
2491.92	72.18	26.19	6.80	37.52	67.65	74.00	-6.35	Peak



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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	
2468.37	87.63	26.16	6.74	37.48	83.05	54.00	29.05	Average
2483.50	49.40	26.18	6.80	37.51	44.87	54.00	-9.13	Average
2492.64	57.52	26.19	6.80	37.52	52.99	54.00	-1.01	Average



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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.



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7.8.1 E.U.T. Operation

Operating Environment:

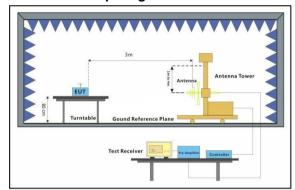
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

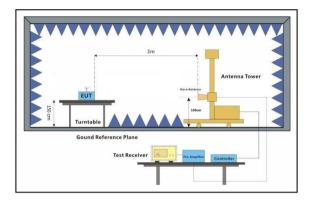
Test mode a:TX mode_Keep the EUT in continuously transmitting mode with all modulation

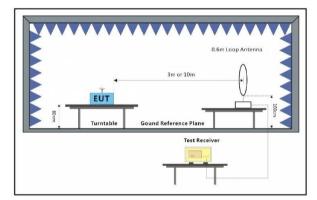
types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40).

Only the data of worst case is recorded in the report.

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
- 5) This test item was investigated while operating in SISO and MIMO mode, however, it was determined that SISO antenna 1 operation for b/g modulation and MIMO antenna operation for n/ modulation produced the worst emissions. So the emissions produced from other operation are not report.



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Mode:a; Pol	arization:	lorizontal;	Modulation:b	; bandwid	th:20MHz; (Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	40.07	6.40	46.47	54	-7.53	peak
7236	39.19	10.76	49.95	54	-4.05	peak
9648	36.85	14.37	51.22	54	-2.78	peak
Modera: Pol	larization⋅\/	ertical: M	odulation:b;	handwidth:	20MHz: Cha	annel·l ow
Frequency	RX_R	Factor	Emission	Limit		Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	20100101
4824	42.41	6.40	48.81	54	-5.19	peak
7236	39.50	10.76	50.26	54	-3.74	peak
9648	34.09	14.37	48.46	54	-5.54	peak
3040	04.00	14.07	40.40	04	0.04	pour
Mode:a; Pol	arization:	lorizontal;	Modulation:k	; bandwid	th:20MHz; (Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	40.61	6.92	47.53	54	-6.47	peak
7311	35.45	11.08	46.53	54	-7.47	peak
9748	32.04	14.36	46.40	54	-7.60	peak
Madaiai Dal	lorization.\	lortical NA	odulationsh.	h on dui dthu	20MU Ch	ann alumiddla
			odulation:b;			
Frequency	RX_R	Factor	Emission	Limit	Over Limit	
Frequency MHz	RX_R dBuV	Factor dB	Emission dBuV/m	Limit dBuV/m	Over Limit dB	Detector
Frequency MHz 4874	RX_R dBuV 43.12	Factor dB 6.92	Emission dBuV/m 50.04	Limit dBuV/m 54	Over Limit dB -3.96	Detector
Frequency MHz 4874 7311	RX_R dBuV 43.12 35.81	Factor dB 6.92 11.08	Emission dBuV/m 50.04 46.89	Limit dBuV/m 54 54	Over Limit dB -3.96 -7.11	Detector peak peak
Frequency MHz 4874	RX_R dBuV 43.12	Factor dB 6.92	Emission dBuV/m 50.04	Limit dBuV/m 54	Over Limit dB -3.96	Detector
Frequency MHz 4874 7311 9748	RX_R dBuV 43.12 35.81 36.84	Factor dB 6.92 11.08 14.36	Emission dBuV/m 50.04 46.89 51.20	Limit dBuV/m 54 54 54	Over Limit dB -3.96 -7.11 -2.80	peak peak peak
Frequency MHz 4874 7311 9748 Mode:a; Pol	RX_R dBuV 43.12 35.81 36.84 arization:H	Factor dB 6.92 11.08 14.36	Emission dBuV/m 50.04 46.89 51.20 Modulation:b	Limit dBuV/m 54 54 54 o; bandwid	Over Limit dB -3.96 -7.11 -2.80 lth:20MHz; (Detector peak peak peak Channel:High
Frequency MHz 4874 7311 9748 Mode:a; Pol	RX_R dBuV 43.12 35.81 36.84 arization:H	Factor dB 6.92 11.08 14.36	Emission dBuV/m 50.04 46.89 51.20	Limit dBuV/m 54 54 54 o; bandwid	Over Limit dB -3.96 -7.11 -2.80 lth:20MHz; (Detector peak peak peak Channel:High
Frequency MHz 4874 7311 9748 Mode:a; Pol Frequency MHz	RX_R dBuV 43.12 35.81 36.84 darization:H RX_R dBuV	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB	Emission dBuV/m 50.04 46.89 51.20 Modulation:k Emission dBuV/m	Limit dBuV/m 54 54 54 54 b; bandwid Limit dBuV/m	Over Limit dB -3.96 -7.11 -2.80 Ith:20MHz; Over Limit dB	peak peak peak peak Channel:High Detector
Frequency MHz 4874 7311 9748 Mode:a; Pol	RX_R dBuV 43.12 35.81 36.84 arization:H	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31	Emission dBuV/m 50.04 46.89 51.20 Modulation:b	Limit dBuV/m 54 54 54 54 c; bandwid Limit	Over Limit dB -3.96 -7.11 -2.80 Ith:20MHz; COVER Limit	peak peak peak Channel:High Detector peak
Frequency MHz 4874 7311 9748 Mode:a; Pol Frequency MHz 4924 7386	RX_R dBuV 43.12 35.81 36.84 larization:H RX_R dBuV 43.75 37.60	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31 11.41	Emission dBuV/m 50.04 46.89 51.20 Modulation:k Emission dBuV/m 51.06 49.01	Limit dBuV/m 54 54 54 c; bandwid Limit dBuV/m 54 54	Over Limit dB -3.96 -7.11 -2.80 Ith:20MHz; 0 Over Limit dB -2.94 -4.99	peak peak peak Channel:High Detector peak peak
Frequency MHz 4874 7311 9748 Mode:a; Pol Frequency MHz 4924	RX_R dBuV 43.12 35.81 36.84 arization:H RX_R dBuV 43.75	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31	Emission dBuV/m 50.04 46.89 51.20 Modulation:b Emission dBuV/m 51.06	Limit dBuV/m 54 54 54 c; bandwid Limit dBuV/m 54	Over Limit dB -3.96 -7.11 -2.80 Ith:20MHz; O Over Limit dB -2.94	peak peak peak Channel:High Detector peak
Frequency MHz 4874 7311 9748 Mode:a; Pol Frequency MHz 4924 7386 9848	RX_R dBuV 43.12 35.81 36.84 larization:H RX_R dBuV 43.75 37.60 32.69	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31 11.41 14.38	Emission dBuV/m 50.04 46.89 51.20 Modulation:k Emission dBuV/m 51.06 49.01	Limit dBuV/m 54 54 54 b; bandwid Limit dBuV/m 54 54 54	Over Limit dB -3.96 -7.11 -2.80 Ith:20MHz; 0 Over Limit dB -2.94 -4.99 -6.93	peak peak peak Channel:High Detector peak peak peak peak
Frequency MHz 4874 7311 9748 Mode:a; Pol Frequency MHz 4924 7386 9848	RX_R dBuV 43.12 35.81 36.84 larization:H RX_R dBuV 43.75 37.60 32.69	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31 11.41 14.38	Emission dBuV/m 50.04 46.89 51.20 Modulation:k Emission dBuV/m 51.06 49.01 47.07	Limit dBuV/m 54 54 54 b; bandwid Limit dBuV/m 54 54 54	Over Limit dB -3.96 -7.11 -2.80 Ith:20MHz; 0 Over Limit dB -2.94 -4.99 -6.93	peak peak peak Channel:High Detector peak peak peak peak
Frequency MHz 4874 7311 9748 Mode:a; Pol Frequency MHz 4924 7386 9848 Mode:a; Pol	RX_R dBuV 43.12 35.81 36.84 arization:F RX_R dBuV 43.75 37.60 32.69	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31 11.41 14.38	Emission dBuV/m 50.04 46.89 51.20 Modulation:b Emission dBuV/m 51.06 49.01 47.07 odulation:b;	Limit dBuV/m 54 54 54 b; bandwid Limit dBuV/m 54 54 54 bandwidth:	Over Limit dB -3.96 -7.11 -2.80 Ith:20MHz; COVER Limit dB -2.94 -4.99 -6.93	peak peak peak Channel:High Detector peak peak peak peak
Frequency MHz 4874 7311 9748 Mode:a; Pol Frequency MHz 4924 7386 9848 Mode:a; Pol Frequency	RX_R dBuV 43.12 35.81 36.84 arization:H RX_R dBuV 43.75 37.60 32.69 arization:V RX_R	Factor dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31 11.41 14.38	Emission dBuV/m 50.04 46.89 51.20 Modulation:k Emission dBuV/m 51.06 49.01 47.07 odulation:b; Emission	Limit dBuV/m 54 54 54 b; bandwid Limit dBuV/m 54 54 54 bandwidth: Limit	Over Limit dB -3.96 -7.11 -2.80 Ith:20MHz; O Over Limit dB -2.94 -4.99 -6.93 20MHz; Cha	peak peak peak Channel:High Detector peak peak peak peak
Frequency MHz 4874 7311 9748 Mode:a; Pol Frequency MHz 4924 7386 9848 Mode:a; Pol Frequency MHz	RX_R dBuV 43.12 35.81 36.84 arization:F RX_R dBuV 43.75 37.60 32.69 arization:V RX_R dBuV	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31 11.41 14.38 Vertical; Mo Factor dB	Emission dBuV/m 50.04 46.89 51.20 Modulation:b Emission dBuV/m 51.06 49.01 47.07 odulation:b; Emission dBuV/m	Limit dBuV/m 54 54 54 b; bandwid Limit dBuV/m 54 54 54 bandwidth: Limit dBuV/m	Over Limit dB -3.96 -7.11 -2.80 Ith:20MHz; COVER Limit dB -2.94 -4.99 -6.93 20MHz; Character Cover Limit dB	peak peak peak Channel:High Detector peak peak peak peak peak peak annel:High Detector



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wode:a; Po	larization:H	lorizontal;	Modulation:	g; bandwid	th:20MHz; (Channel:Low	
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4824	41.85	6.40	48.25	54	-5.75	peak	
7236	39.86	10.76	50.62	54	-3.38	peak	
9648	31.47	14.37	45.84	54	-8.16	peak	
Modera: Po	larization:V	ertical· M	odulation:g;	bandwidth:	20MHz: Cha	annel·l ow	
Frequency	RX_R	Factor	Emission	Limit	Over Limit		
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4824	43.39	6.40	49.79	54	-4.21	peak	
7236	38.54	10.76	49.30	54	-4.70	peak	
9648	33.63	14.37	48.00	54	-6.00	peak	
0010	00.00	1 1.07	10.00	01	0.00	pour	
Mode:a; Po	larization:H	lorizontal;	Modulation:	g; bandwid	th:20MHz; (Channel:middle	
Frequency	RX_R	Factor	Emission	Limit	Over Limit		
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4874	38.84	6.92	45.76	54	-8.24	peak	
7311	38.79	11.08	49.87	54	-4.13	peak	
9748	35.07	14.36	49.43	54	-4.57	peak	
Mode:a; Polarization:Vertical; Modulation:g; bandwidth:20MHz; Channel:middle							
Modera: Po	larization:\/	ertical: M	odulation:d:	handwidth:	20MHz: Cha	annel·middle	
			•				
Frequency	RX_R	Factor	Emission	Limit	Over Limit		
Frequency MHz	RX_R dBuV	Factor dB	Emission dBuV/m	Limit dBuV/m	Over Limit dB	Detector	
Frequency MHz 4874	RX_R dBuV 39.79	Factor dB 6.92	Emission dBuV/m 46.71	Limit dBuV/m 54	Over Limit dB -7.29	Detector	
Frequency MHz 4874 7311	RX_R dBuV 39.79 39.80	Factor dB 6.92 11.08	Emission dBuV/m 46.71 50.88	Limit dBuV/m 54 54	Over Limit dB -7.29 -3.12	Detector peak peak	
Frequency MHz 4874	RX_R dBuV 39.79	Factor dB 6.92	Emission dBuV/m 46.71	Limit dBuV/m 54	Over Limit dB -7.29	Detector	
Frequency MHz 4874 7311 9748	RX_R dBuV 39.79 39.80 32.58	Factor dB 6.92 11.08 14.36	Emission dBuV/m 46.71 50.88 46.94	Limit dBuV/m 54 54 54	Over Limit dB -7.29 -3.12 -7.06	Detector peak peak	
Frequency MHz 4874 7311 9748 Mode:a; Po	RX_R dBuV 39.79 39.80 32.58 larization:H	Factor dB 6.92 11.08 14.36	Emission dBuV/m 46.71 50.88 46.94	Limit dBuV/m 54 54 54 g; bandwid	Over Limit dB -7.29 -3.12 -7.06	Detector peak peak peak Channel:High	
Frequency MHz 4874 7311 9748 Mode:a; Po	RX_R dBuV 39.79 39.80 32.58 larization:H	Factor dB 6.92 11.08 14.36	Emission dBuV/m 46.71 50.88 46.94 Modulation:g	Limit dBuV/m 54 54 54 g; bandwid	Over Limit dB -7.29 -3.12 -7.06	Detector peak peak peak Channel:High	
Frequency MHz 4874 7311 9748 Mode:a; Po	RX_R dBuV 39.79 39.80 32.58 larization:H RX_R	Factor dB 6.92 11.08 14.36 Horizontal; Factor	Emission dBuV/m 46.71 50.88 46.94 Modulation:Q	Limit dBuV/m 54 54 54 54 timit	Over Limit dB -7.29 -3.12 -7.06 Ith:20MHz; Over Limit	Detector peak peak peak Channel:High	
Frequency MHz 4874 7311 9748 Mode:a; Po Frequency MHz	RX_R dBuV 39.79 39.80 32.58 larization:H RX_R dBuV	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB	Emission dBuV/m 46.71 50.88 46.94 Modulation: Emission dBuV/m	Limit dBuV/m 54 54 54 54 g; bandwid Limit dBuV/m	Over Limit dB -7.29 -3.12 -7.06 Ith:20MHz; 0 Over Limit dB	peak peak peak peak Channel:High Detector	
Frequency MHz 4874 7311 9748 Mode:a; Po Frequency MHz 4924	RX_R dBuV 39.79 39.80 32.58 larization:H RX_R dBuV 41.41	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31	Emission dBuV/m 46.71 50.88 46.94 Modulation: Emission dBuV/m 48.72	Limit dBuV/m 54 54 54 g; bandwid Limit dBuV/m 54	Over Limit dB -7.29 -3.12 -7.06 Ith:20MHz; Over Limit dB -5.28	peak peak peak Channel:High Detector peak	
Frequency MHz 4874 7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848	RX_R dBuV 39.79 39.80 32.58 larization:H RX_R dBuV 41.41 37.66 35.92	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31 11.41 14.38	Emission dBuV/m 46.71 50.88 46.94 Modulation: Emission dBuV/m 48.72 49.07 50.30	Limit dBuV/m 54 54 54 g; bandwid Limit dBuV/m 54 54 54	Over Limit dB -7.29 -3.12 -7.06 Ith:20MHz; (Over Limit dB -5.28 -4.93 -3.70	peak peak peak Channel:High Detector peak peak peak peak peak	
Frequency MHz 4874 7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848 Mode:a; Po	RX_R dBuV 39.79 39.80 32.58 larization:H RX_R dBuV 41.41 37.66 35.92 larization:V	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31 11.41 14.38	Emission dBuV/m 46.71 50.88 46.94 Modulation:g Emission dBuV/m 48.72 49.07	Limit dBuV/m 54 54 54 g; bandwid Limit dBuV/m 54 54 54 bandwidth:	Over Limit dB -7.29 -3.12 -7.06 Ith:20MHz; (Over Limit dB -5.28 -4.93 -3.70 20MHz; Cha	peak peak peak Channel:High Detector peak peak peak peak	
Frequency MHz 4874 7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848 Mode:a; Po Frequency	RX_R dBuV 39.79 39.80 32.58 larization:H RX_R dBuV 41.41 37.66 35.92 larization:V RX_R	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.31 11.41 14.38 Vertical; M Factor	Emission dBuV/m 46.71 50.88 46.94 Modulation:g Emission dBuV/m 48.72 49.07 50.30 odulation:g; Emission	Limit dBuV/m 54 54 54 g; bandwid Limit dBuV/m 54 54 54 bandwidth: Limit	Over Limit dB -7.29 -3.12 -7.06 Ith:20MHz; Over Limit dB -5.28 -4.93 -3.70 20MHz; Cha	peak peak peak Channel:High Detector peak peak peak peak	
Frequency MHz 4874 7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848 Mode:a; Po Frequency MHz	RX_R dBuV 39.79 39.80 32.58 larization:H RX_R dBuV 41.41 37.66 35.92 larization:V RX_R dBuV	Factor dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31 11.41 14.38 'ertical; M Factor dB	Emission dBuV/m 46.71 50.88 46.94 Modulation:g Emission dBuV/m 48.72 49.07 50.30 odulation:g; Emission dBuV/m	Limit dBuV/m 54 54 54 g; bandwid Limit dBuV/m 54 54 54 bandwidth: Limit dBuV/m	Over Limit dB -7.29 -3.12 -7.06 Ith:20MHz; (Over Limit) dB -5.28 -4.93 -3.70 20MHz; Character Cover Limit) dB	peak peak peak Channel:High Detector peak peak peak peak peak peak annel:High Detector	
Frequency MHz 4874 7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848 Mode:a; Po Frequency MHz 4924	RX_R dBuV 39.79 39.80 32.58 larization:H RX_R dBuV 41.41 37.66 35.92 larization:V RX_R dBuV 43.62	Factor dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31 11.41 14.38 Vertical; M Factor dB 7.31	Emission dBuV/m 46.71 50.88 46.94 Modulation:g Emission dBuV/m 48.72 49.07 50.30 odulation:g; Emission dBuV/m 50.93	Limit dBuV/m 54 54 54 g; bandwid Limit dBuV/m 54 54 bandwidth: Limit dBuV/m 54	Over Limit dB -7.29 -3.12 -7.06 Ith:20MHz; O Over Limit dB -5.28 -4.93 -3.70 20MHz; Cha Over Limit dB -3.07	peak peak peak Channel:High Detector peak peak peak peak peak peak peak pea	
Frequency MHz 4874 7311 9748 Mode:a; Po Frequency MHz 4924 7386 9848 Mode:a; Po Frequency MHz	RX_R dBuV 39.79 39.80 32.58 larization:H RX_R dBuV 41.41 37.66 35.92 larization:V RX_R dBuV	Factor dB 6.92 11.08 14.36 Iorizontal; Factor dB 7.31 11.41 14.38 'ertical; M Factor dB	Emission dBuV/m 46.71 50.88 46.94 Modulation:g Emission dBuV/m 48.72 49.07 50.30 odulation:g; Emission dBuV/m	Limit dBuV/m 54 54 54 g; bandwid Limit dBuV/m 54 54 54 bandwidth: Limit dBuV/m	Over Limit dB -7.29 -3.12 -7.06 Ith:20MHz; (Over Limit) dB -5.28 -4.93 -3.70 20MHz; Character Cover Limit) dB	peak peak peak Channel:High Detector peak peak peak peak peak peak annel:High Detector	



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Mode:a; Pol	arization:F	lorizontal;	Modulation:	n; bandwid	th:20MHz; (Channel:Low	
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4824	42.57	6.40	48.97	54	-5.03	peak	
7236	35.61	10.76	46.37	54	-7.63	peak	
9648	33.84	14.37	48.21	54	-5.79	peak	
Mode:a; Pol		*	•		•		
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4824	42.78	6.40	49.18	54	-4.82	peak	
7236	43.83	10.76	54.59	54	0.59	peak	
9648	31.83	14.37	46.20	54	-7.80	peak	
Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:20MHz; Channel:middle							
Frequency	RX_R	Factor	Emission	Limit	Over Limit		
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4874	38.93	6.92	45.85	54	-8.15	peak	
7311	38.42	11.08	49.50	54	-4.50	peak	
9748	32.00	14.36	46.36	54	-7.64	peak	
						·	
Mode:a; Pol	arization:\	•	•		•		
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4874	38.08	6.92	45.00	54	-9.00	peak	
7311	39.26	11.08	50.34	54	-3.66	peak	
9748	33.23	14.36	47.59	54	-6.41	peak	
Modora: Pol	arization:L	lorizontal:	Modulation	o: bandwid	+h·2∩N1⊔→· (Channel:High	
			Emission			-	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Beteetoi	
4924	38.85	7.31	46.16	54	-7.84	peak	
7386	36.85	11.41	48.26	54 54	-7.8 4 -5.74	peak	
						•	
9848	31.32	14.38	45.70	54	-8.30	peak	
Mode:a; Pol	arization:√	ertical; M	odulation:n;	bandwidth:	20MHz; Cha	annel:High	
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector	
MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
4924	41.67	7.31	48.98	54	-5.02	peak	
7386							
	39.14	11.41	50.55	54	-3.45	peak	
9848	39.14 35.80	11.41 14.38	50.55 50.18	54 54	-3.45 -3.82	peak peak	



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Mode:a; Pol	arization:H	orizontal;	Modulation:r	n; bandwid	th:40MHz; (Channel:Low				
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector				
MHz	dBuV	dB	dBuV/m	dBuV/m	dB					
4844	43.50	6.60	50.10	54	-3.90	peak				
7266	37.70	10.89	48.59	54	-5.41	peak				
9688	31.95	14.35	46.30	54	-7.70	peak				
Mode:a; Polarization:Vertical; Modulation:n; bandwidth:40MHz; Channel:Low										
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector				
MHz	dBuV	dB	dBuV/m	dBuV/m	dB					
4844	42.67	6.60	49.27	54	-4.73	peak				
7266	37.76	10.89	48.65	54	-5.35	peak				
9688	33.83	14.35	48.18	54	-5.82	peak				
Mode:a; Pol	arization:H	orizontal;	Modulation:r	n; bandwid	th:40MHz;(Channel:middle				
Frequency	RX_R	Factor	Emission	Limit		Detector				
MHz	dBuV	dB	dBuV/m	dBuV/m	dB					
4874	42.86	6.92	49.78	54	-4.22	peak				
7311	37.22	11.08	48.30	54	-5.70	peak				
9748	31.14	14.36	45.50	54	-8.50	peak				
Mode:a; Pol	arization:V	ertical; Mo	odulation:n;	bandwidth:	40MHz; Cha	annel:middle				
Frequency	RX_R	Factor	Emission	Limit	Over Limit	Detector				
MHz	dBuV	dB	dBuV/m	dBuV/m	dB					
4874	39.71	6.92	46.63	54	-7.37	peak				
7311	36.62	11.08	47.70	54	-6.30	peak				
9748	34.67	14.36	49.03	54	-4.97	peak				
Mode:a; Pol	arization:H	orizontal;	Modulation:r	Mode:a; Polarization:Horizontal; Modulation:n; bandwidth:40MHz; Channel:High						
Frequency	D)/ D									
	RX_R	Factor	Emission			Detector				
MHz	RX_R dBuV	Factor dB	Emission dBuV/m			Detector				
MHz 4904				Limit	Over Limit	Detector peak				
	dBuV	dB	dBuV/m	Limit dBuV/m	Over Limit dB					
4904	dBuV 42.39	dB 7.22	dBuV/m 49.61	Limit dBuV/m 54	Over Limit dB -4.39	peak				
4904 7356	dBuV 42.39 38.75 35.04	dB 7.22 11.28 14.37	dBuV/m 49.61 50.03 49.41	Limit dBuV/m 54 54 54	Over Limit dB -4.39 -3.97 -4.59	peak peak peak				
4904 7356 9808	dBuV 42.39 38.75 35.04	dB 7.22 11.28 14.37	dBuV/m 49.61 50.03 49.41	Limit dBuV/m 54 54 54	Over Limit dB -4.39 -3.97 -4.59	peak peak peak annel:High				
4904 7356 9808 Mode:a; Pol	dBuV 42.39 38.75 35.04 arization:V	dB 7.22 11.28 14.37 ertical; Me	dBuV/m 49.61 50.03 49.41 odulation:n;	Limit dBuV/m 54 54 54 bandwidth:	Over Limit dB -4.39 -3.97 -4.59 40MHz; Cha	peak peak peak annel:High				
4904 7356 9808 Mode:a; Pol: Frequency	dBuV 42.39 38.75 35.04 arization:V RX_R	dB 7.22 11.28 14.37 ertical; Me Factor	dBuV/m 49.61 50.03 49.41 odulation:n; l	Limit dBuV/m 54 54 54 bandwidth:	Over Limit dB -4.39 -3.97 -4.59 40MHz; Cha	peak peak peak annel:High				
4904 7356 9808 Mode:a; Poli Frequency MHz	dBuV 42.39 38.75 35.04 arization:V RX_R dBuV	dB 7.22 11.28 14.37 ertical; Mo Factor dB	dBuV/m 49.61 50.03 49.41 odulation:n; I Emission dBuV/m	Limit dBuV/m 54 54 54 bandwidth: Limit dBuV/m	Over Limit dB -4.39 -3.97 -4.59 40MHz; Cha Over Limit dB	peak peak peak annel:High Detector				
4904 7356 9808 Mode:a; Pola Frequency MHz 4904	dBuV 42.39 38.75 35.04 arization:V RX_R dBuV 39.65	dB 7.22 11.28 14.37 ertical; Mo Factor dB 7.22	dBuV/m 49.61 50.03 49.41 odulation:n; I Emission dBuV/m 46.87	Limit dBuV/m 54 54 54 bandwidth: Limit dBuV/m 54	Over Limit dB -4.39 -3.97 -4.59 40MHz; Cha Over Limit dB -7.13	peak peak peak annel:High Detector peak				



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8 Test Setup Photographs

Refer to the < Test Setup photos-FCC>.

9 EUT Constructional Details

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

- End of the Report -