

Report No.: SHEM190301146101

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TEST REPORT

Application No.: SHEM1903011461CR **FCC ID**: 2ADTD-K1T607TMFW

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.

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: Face Recognition Terminal

Model No.: DS-K1T607TMFW,DS-K1T607TMW,DS-K1T607TMF,DS-K1T607TM,DS-

K1T607PMFW,DS-K1T607PMW,DS-K1T607ATMFW,DS-K1T607ATMW,

DS-K1T607ATMF,DS-K1T607ATM,DS-K1T607APMFW,DS-K1T607APMW,DS-K1T607TMUHK,DS-K1T607TMCKV,DS-K1T607TMUVS,DS-K1T607TMKVO,DS-K1T607TMHUN,DS-K1T607TMFUHK,DS-K1T607TMFCKV,DS-K1T607TMFUVS,DS-K1T607TMFKVO,DS-K1T607TMFHUN,DS-K1T607MFW,DS-K1T607MW,DS-K1T607MF,DS-K1T607AMFW,DS-K1T607AMW,DS-K1T607AMF,DS-K1T607AM,DS-K1T607MUHK,DS-K1T607AMW,DS-K1T607AMH,DS-

K1T607MCKV,DS-K1T607MUVS,DS-K1T607MKVO,DS-K1T607MHUN,DS-K1T607MFUHK,DS-K1T607MFCKV,DS-K1T607MFUVS,DS-K1T607MFKVO,DS-K1T607MFHUN ¤

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

actually tested and which were electrically identical.

Trade mark: HIKVIŚION

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

中国・上海・松江区金都西路588号

Date of Receipt: 2019-03-12

Date of Test: 2019-03-15 to 2019-03-18

Date of Issue: 2019-04-18

Test Result: Pass*

¤

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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t(86-21) 61915666 f(86-21) 61915678 e sgs.china@sgs.com

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



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Revision Record								
Version Description Date Remark								
00	Original	2019-04-18	/					

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 Re							
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:

Note1: There are series models mentioned in this report, and they are the identical in electrical and electronic characters. Only the model DS-K1T607TMFW, DS-K1T607MFW was tested since their differences were the model number, chip platform and appearance.

Note2: Only one mode was shown as the test setup photos since all modes were same for the test setup.



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 12V by AC Adapter

Test voltage: AC 120V 60Hz

Antenna Gain 3.05 dBi
Antenna Type PCB Antenna

Channel Spacing 5MHz

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

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

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

802.11n(HT40):7

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

802.11n(HT40): 2422MHz to 2452MHz

4.2 Description of Support Units

Description	Description Manufacturer		Serial No.
AC Adapter	MOSO	MSA-C2000IC12.0-24P	/
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)
1	44	53	52
6	44	53	52
11	44	53	52
Channel	802.11n(HT40)		
3	50		
6	50		
9	50		



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4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	±8.4 x 10-8
2	Timeout	±2s
3	Duty cycle	±0.37%
4	Occupied Bandwidth	±3%
5	RF conducted power	±0.6dB
6	RF power density	±2.84dB
7	Conducted Spurious emissions	±0.75dB
0	DE Dadieted newer	±4.6dB (Below 1GHz)
8	RF Radiated power	±4.1dB (Above 1GHz)
		±4.2dB (Below 30MHz)
	Dadiated Courieus amission test	±4.4dB (30MHz-1GHz)
9	Radiated Spurious emission test	±4.8dB (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.

• Innovation, Science and Economic Development Canada

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

IC Registration No.: 8617A-1. CAB identifier: CN0020.

• 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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Equipment List

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Conducted Emission at AC				200	
EMI test receiver	R&S	ESR7	SHEM162-1	2018-12-20	2019-12-19
LISN	Schwarzbeck	NSLK8127	SHEM061-1	2018-12-20	2019-12-19
LISN	EMCO	3816/2	SHEM019-1	2018-12-20	2019-12-19
Pulse limiter	R&S	ESH3-Z2	SHEM029-1	2018-12-20	2019-12-19
CE test Cable	/	CE01	/	2018-12-26	2019-12-25
Conducted Test			-		
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2018-12-20	2019-12-19
Spectrum Analyzer	Agilent	N9020A	SHEM181-1	2018-08-13	2019-08-12
Signal Generator	R&S	SMR20	SHEM006-1	2018-08-13	2019-08-12
Signal Generator	Agilent	N5182A	SHEM182-1	2018-08-13	2019-08-12
Communication Tester	R&S	CMW270	SHEM183-1	2018-08-13	2019-08-12
Switcher	Tonscend	JS0806	SHEM184-1	2018-08-13	2019-08-12
Power Sensor	Keysight	U2021XA * 4	SHEM184-1	2018-08-13	2019-08-12
Splitter	Anritsu	MA1612A	SHEM185-1	1	/
Coupler	e-meca	803-S-1	SHEM186-1	1	/
High-low Temp Cabinet	Suzhou Zhihe	TL-40	SHEM087-1	2017-09-25	2020-09-24
AC Power Stabilizer	WOCEN	6100	SHEM045-1	2018-12-26	2019-12-25
DC Power Supply	MCN	MCH-303A	SHEM210-1	2018-12-26	2019-12-25
Conducted test Cable	/	RF01~RF04	/	2018-12-26	2019-12-25
Radiated Test					
EMI test Receiver	R&S	ESU40	SHEM051-1	2018-12-20	2019-12-19
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2018-12-20	2019-12-19
Loop Antenna (9kHz-30MHz)	Schwarzbeck	FMZB1519	SHEM135-1	2017-04-10	2020-04-09
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM048-1	2017-02-28	2020-02-27
Antenna (25MHz-3GHz)	Schwarzbeck	HL562	SHEM010-1	2017-02-28	2020-02-27
Horn Antenna (1-8GHz)	Schwarzbeck	HF906	SHEM009-1	2017-10-24	2020-10-23
Horn Antenna (1-18GHz)	Schwarzbeck	BBHA9120D	SHEM050-1	2017-01-14	2020-01-13
Horn Antenna (14-40GHz)	Schwarzbeck	BBHA 9170	SHEM049-1	2017-12-03	2020-12-02
Pre-amplifier (9KHz-2GHz)	LAVIIO	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	2018-12-20	2019-12-19
Signal Generator	R&S	SMR40	SHEM058-1	2018-08-13	2019-08-12
Band Filter	LORCH	9BRX-875/X150	SHEM156-1	1	/
Band Filter	LORCH	13BRX-1950/X500	SHEM083-2	1	/
Band Filter	LORCH	5BRX-2400/X200	SHEM155-1	1	/
Band Filter	LORCH	5BRX-5500/X1000	SHEM157-2	1	/
High pass Filter	Wainwright	WHK3.0/18G	SHEM157-1	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	/	2018-12-26	2019-12-25



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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:

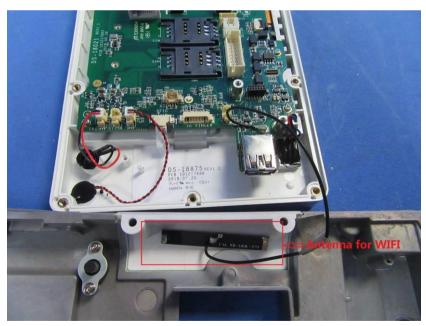
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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 no consideration of replacement. The best case gain of the antenna is 3.05dBi.





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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:

Fraguency of emission(MUT)	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:

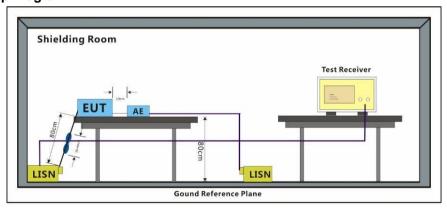
Temperature: 22 °C Humidity: 50 % RH Atmospheric Pressure: 1002 mbar

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. (DS-K1T607MFW)

7.1.2 Test Setup Diagram



NO.588 West Jindu Road, Songjiang District, Shanghai, China 201612 中国・上海・松江区金都西路588号 邮編: 201612 t(86-21) 61915666 f(86-21) 61915678 www.sgsgroup.com.cn t(86-21) 61915666 f(86-21) 61915678 e sgs.china@sgs.com



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7.1.3 Measurement Procedure and Data

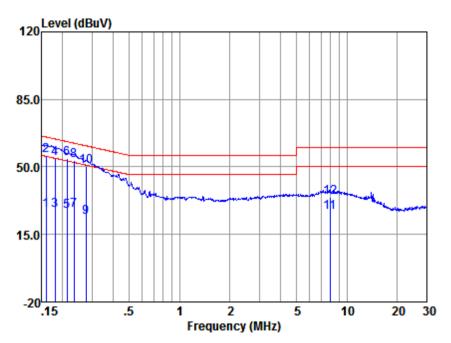
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50 \text{ohm}/50 \mu\text{H} + 5 \text{ohm}$ linear impedance. The power cables of all other units 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: 1460CR

Test mode

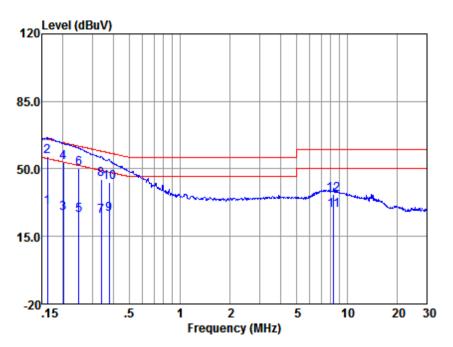
	Freq	Read	LISN	Cable	Emission	1	0ver	
		level	Factor	Loss	Level	Limit	Limit	Remark
	(MHz)	(dBuV)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.16	17.47	0.08	10.00	27.55	55.52	-27.97	Average
2	0.16	45.90	0.08	10.00	55.98	65.52	-9.54	QP
3	0.18	17.20	0.08	10.00	27.28	54.50	-27.22	Average
4	0.18	44.39	0.08	10.00	54.47	64.50	-10.03	QP
5	0.21	17.05	0.07	10.00	27.12	53.10	-25.98	Average
6	0.21	44.09	0.07	10.00	54.16	63.10	-8.94	QP
7	0.23	17.66	0.07	10.00	27.73	52.30	-24.57	Average
8	0.23	43.06	0.07	10.00	53.13	62.30	-9.17	QP
9	0.28	13.71	0.07	10.00	23.78	50.94	-27.16	Average
10	0.28	40.13	0.07	10.00	50.20	60.94	-10.74	QP
11	7.94	16.13	0.21	10.30	26.64	50.00	-23.36	Average
12	7.94	23.65	0.21	10.30	34.16	60.00	-25.84	QP
N	otes: En	nission L	evel =	Read Leve	el +LISN	Factor +	Cable lo	oss

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Mode:a; Line:Neutral Line



LISN : NEUTRAL EUT/Project No: 1460CR

Test mode

	Freq (MHz)	Read level (dBuV)	LISN Factor (dB)	Cable Loss (dB)	Emission Level (dBuV)	Limit (dBuV)	Over Limit (dB)	Remark
1	0.16	19.97	0.07	10.00	30.04	55.38	-25.34	Average
2	0.16	46.21	0.07	10.00	56.28	65.38	-9.10	QP
3	0.20	17.16	0.06	10.00	27.22	53.58	-26.36	Average
4	0.20	43.25	0.06	10.00	53.31	63.58	-10.27	QP
5	0.25	16.08	0.06	10.00	26.14	51.78	-25.64	Average
6	0.25	40.12	0.06	10.00	50.18	61.78	-11.60	QP
7	0.34	15.56	0.06	10.00	25.62	49.22	-23.60	Average
8	0.34	34.50	0.06	10.00	44.56	59.22	-14.66	QP
9	0.38	16.48	0.06	10.00	26.54	48.34	-21.80	Average
10	0.38	33.05	0.06	10.00	43.11	58.34	-15.23	QP
11	8.32	18.13	0.17	10.30	28.60	50.00	-21.40	Average
12	8.32	26.25	0.17	10.30	36.72	60.00	-23.28	QP
Λ	lotes: Er	mission	Level =	Read Lev	vel +LISN	Factor -	+ Cable lo	oss



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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:

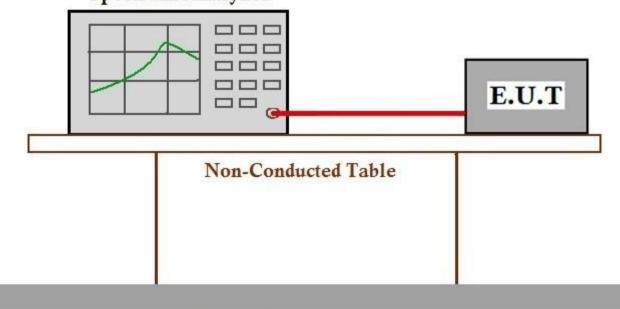
Temperature: 20 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

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. (DS-K1T607MFW)

7.2.2 Test Setup Diagram

Spectrum Analyzer



Ground Reference Plane

7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM190301146101



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7.3 Conducted Peak Output Power

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

Limit:

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

7.3.1 E.U.T. Operation

Operating Environment:

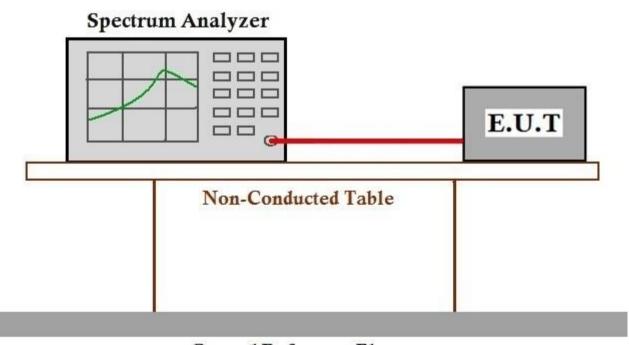
Temperature: 20 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

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. (DS-K1T607MFW)

7.3.2 Test Setup Diagram



Ground Reference Plane

7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM190301146101

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NO.588 West Jindu Road, Songjiang District, Shanghai, China 201612 中国・上海・松江区金都西路588号 邮编: 201612



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7.4 Power Spectrum Density

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

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

transmission

7.4.1 E.U.T. Operation

Operating Environment:

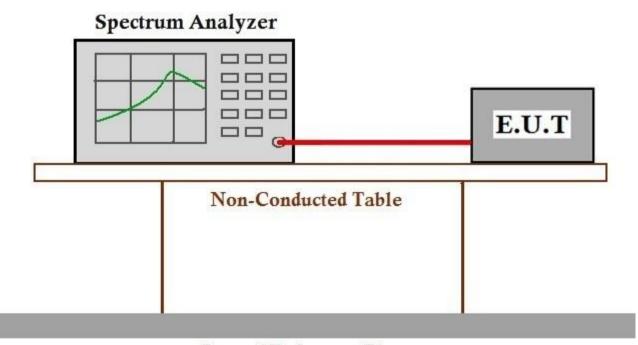
Temperature: 20 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

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. (DS-K1T607MFW)

7.4.2 Test Setup Diagram



Ground Reference Plane

7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM190301146101



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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:

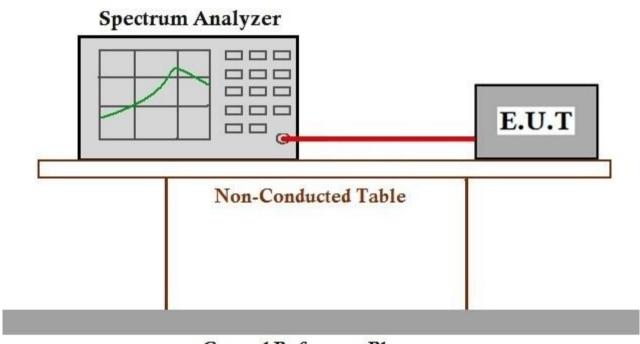
Temperature: 20 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

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. (DS-K1T607MFW)

7.5.2 Test Setup Diagram



Ground Reference Plane

7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM190301146101



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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:

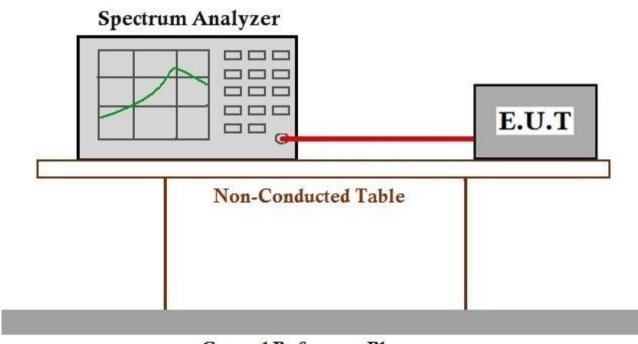
Temperature: 20 °C Humidity: 50 % RH Atmospheric Pressure: 1010 mbar

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. (DS-K1T607MFW)

7.6.2 Test Setup Diagram



Ground Reference Plane

7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix A SHEM190301146101



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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:

20 °C

Humidity: 50 % RH

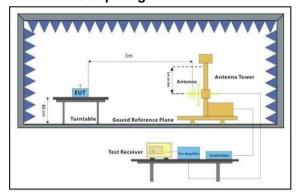
Atmospheric Pressure: 1010 mbar

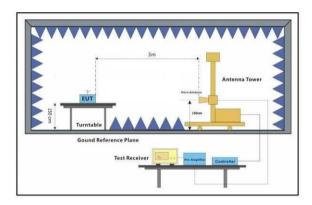
Pretest these mode to find the worst case:

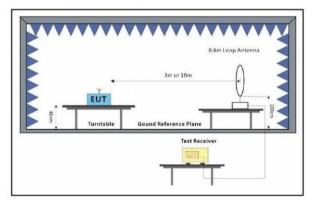
a:TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of 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. (DS-K1T607MFW)

c: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. (DS-K1T607TMFW)

7.7.2 Test Setup Diagram









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7.7.3 Measurement Procedure and Data

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

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

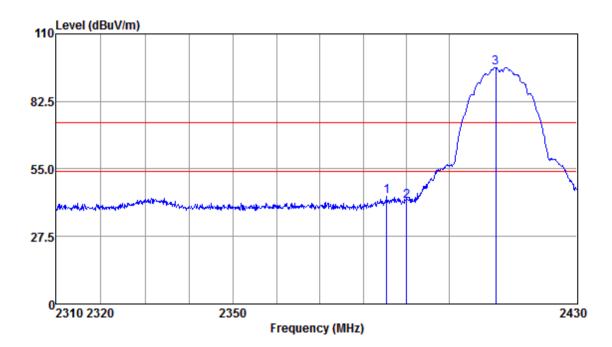
Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level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



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Antenna Polarity : HORIZONTAL

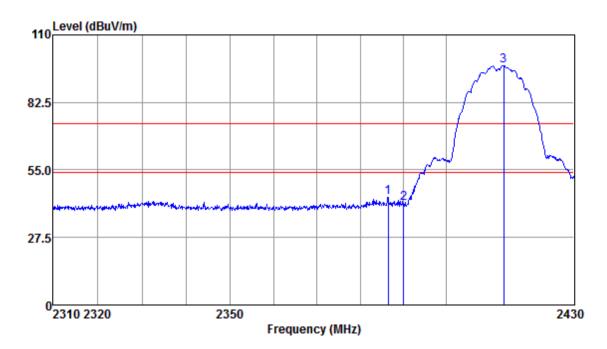
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2385.37	51.86	26.03	3.16	37.39	43.66	74.00	-30.34	Peak
2390.00	50.17	26.03	3.15	37.40	41.95	74.00	-32.05	Peak
2410.88	104.60	26.06	3.13	37.43	96.36	74.00	22.36	Peak



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Antenna Polarity : VERTICAL

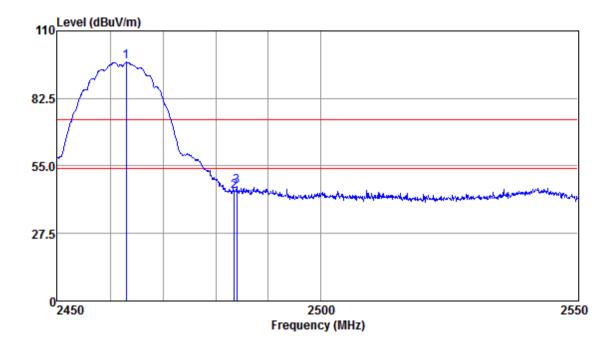
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2386.46	52.00	26.03	3.16	37.40	43.79	74.00	-30.21	Peak
2390.00	49.45	26.03	3.15	37.40	41.23	74.00	-32.77	Peak
2413.44	105.76	26.08	3.13	37.43	97.54	74.00	23.54	Peak



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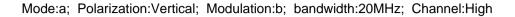
Antenna Polarity : HORIZONTAL

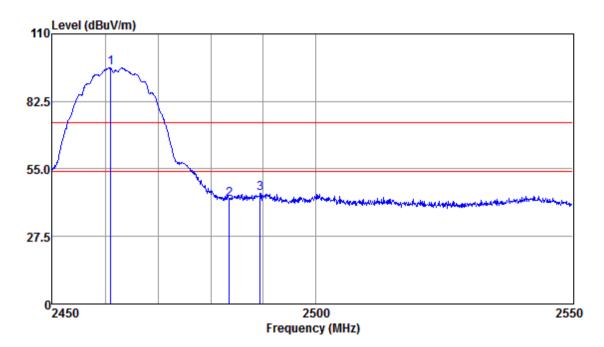
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2462.97	105.53	26.15	3.13	37.53	97.28	74.00	23.28	Peak
2483.50	52.71	26.18	3.14	37.57	44.46	74.00	-29.54	Peak
2484.05	54.94	26.18	3.14	37.57	46.69	74.00	-27.31	Peak



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Antenna Polarity : VERTICAL

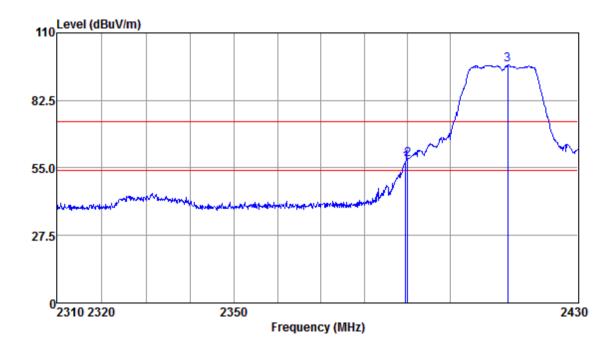
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2461.00	104.30	26.15	3.13	37.53	96.05	74.00	22.05	Peak
2483.50	51.07	26.18	3.14	37.57	42.82	74.00	-31.18	Peak
2489.42	53.18	26.19	3.14	37,60	44.91	74.00	-29.09	Peak



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Antenna Polarity : HORIZONTAL

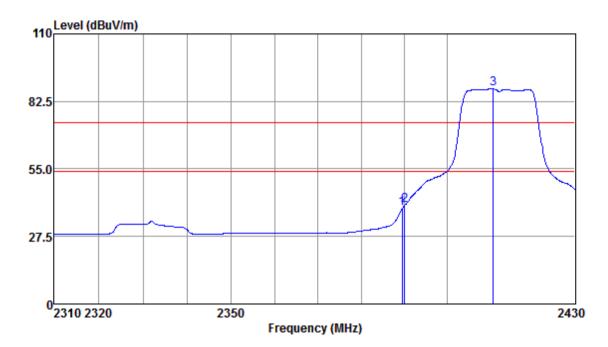
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.61	65.58	26.03	3.15	37.40	57.36	74.00	-16.64	Peak
2390.00	66.78	26.03	3.15	37.40	58.56	74.00	-15.44	Peak
2413.44	105.12	26.08	3.13	37.43	96.90	74.00	22.90	Peak



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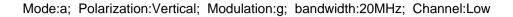
Antenna Polarity : HORIZONTAL

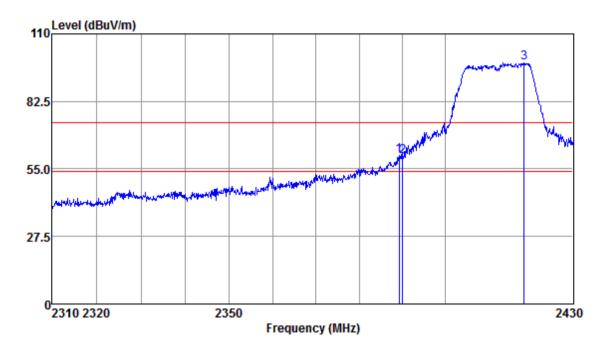
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.48	47.00	26.03	3.15	37.40	38.78	54.00	-15.22	Average
2390.00	48.23	26.03	3.15	37.40	40.01	54.00	-13.99	Average
2410.76	95.78	26.06	3.13	37.43	87.54	54.00	33.54	Average



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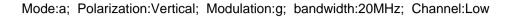
Antenna Polarity : VERTICAL

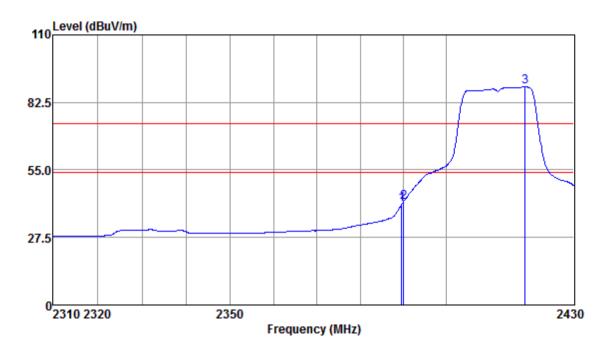
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.24	68.70	26.03	3.15	37.40	60.48	74.00	-13.52	Peak
2390.00	68.41	26.03	3.15	37.40	60.19	74.00	-13.81	Peak
2418.46	106.53	26.09	3.13	37.43	98.32	74.00	24.32	Peak



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Antenna Polarity : VERTICAL

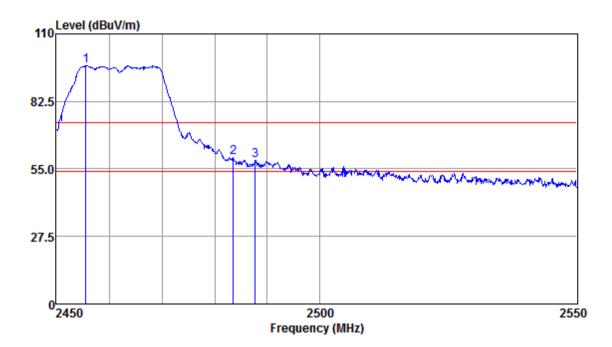
Freq					Emission Level			Remark
MHz	dBuy	dB/m		dB	dBuv/m	dBuy/m	dB	
								Average
								Average
2418.46	96.98	26.09	3.13	37.43	88.77	54.00	34.77	Average



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



Antenna Polarity : HORIZONTAL

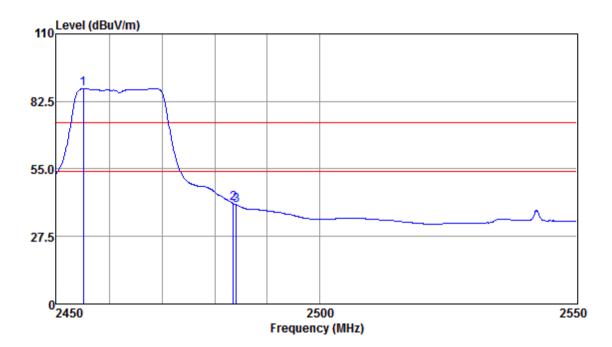
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2455.59	105.25	26.14	3.13	37.53	96.99	74.00	22.99	Peak
2483.50	67.83	26.18	3.14	37.57	59.58	74.00	-14.42	Peak
2487.73	66.89	26.18	3.14	37,60	58.61	74.00	-15.39	Peak



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



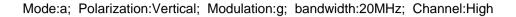
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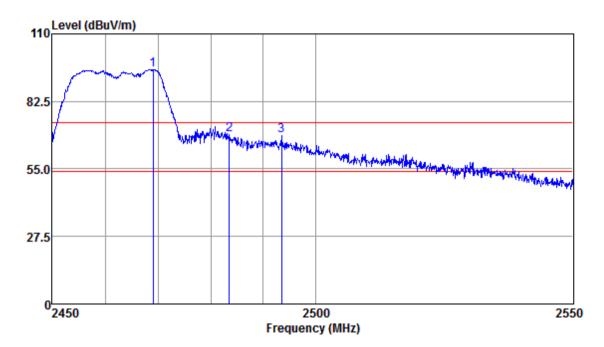
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2455.10	95.91	26.14	3.13	37.53	87.65	54.00	33.65	Average
2483.50	49.24	26.18	3.14	37.57	40.99	54.00	-13.01	Average
2484.15	48.59	26.18	3.14	37.57	40.34	54.00	-13.66	Average



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Antenna Polarity : VERTICAL

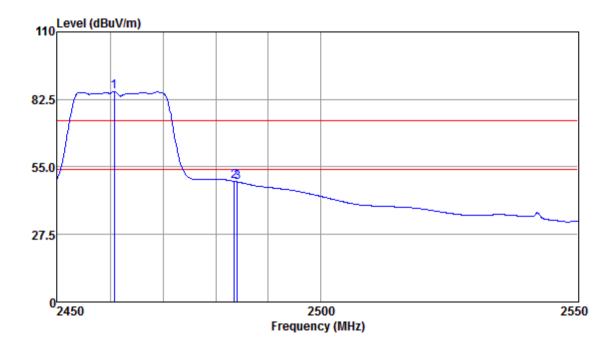
Freq					Emission Level			Remark
MII-						JD/		
MHZ	abuv	aB/m	ав	ав	dBuv/m	abuv/m	ав	
2469.09	103.78	26.16	3.14	37.53	95.55	74.00	21.55	Peak
2483.50	77.43	26.18	3.14	37.57	69.18	74.00	-4.82	Peak
2493.51	76.85	26.19	3.15	37.60	68.59	74.00	-5.41	Peak



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Antenna Polarity : VERTICAL

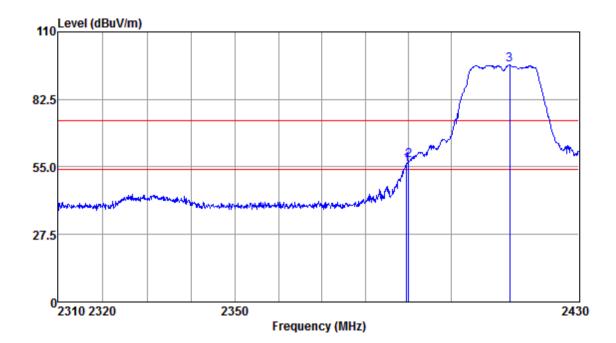
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2460.71	93.98	26.15	3.13	37.53	85.73	54.00	31.73	Average
2483.50	57.39	26.18	3.14	37.57	49.14	54.00	-4.86	Average
2484.15	57.14	26.18	3.14	37.57	48.89	54.00	-5.11	Average



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Antenna Polarity : HORIZONTAL

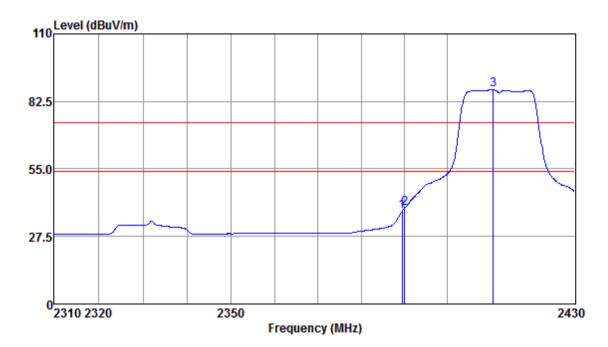
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.61	64.34	26.03	3.15	37.40	56.12	74.00	-17.88	Peak
2390.00	65.76	26.03	3.15	37.40	57.54	74.00	-16.46	Peak
2413.69	104.69	26.08	3.13	37.43	96.47	74.00	22.47	Peak



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Antenna Polarity : HORIZONTAL

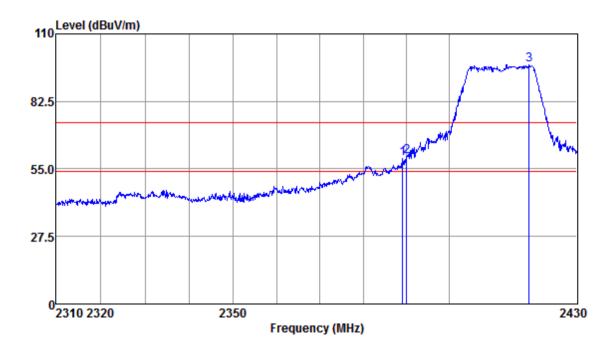
Freq					Emission Level			Remark
MHz	dRuy	dR/m		dB	dBuv/m	dBuy/m	dB.	
		•						Average
2390.00	47.23	26.03	3.15	37.40	39.01	54.00	-14.99	Average
2410.76	95.38	26.06	3.13	37.43	87.14	54.00	33.14	Average



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Antenna Polarity : VERTICAL

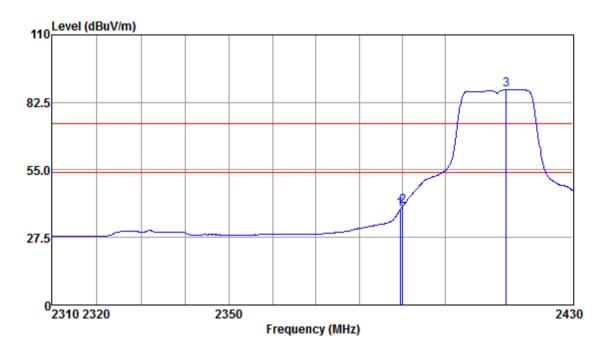
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.12	67.46	26.03	3.15	37.40	59.24	74.00	-14.76	Peak
2390.00	68.33	26.03	3.15	37.40	60.11	74.00	-13.89	Peak
2418.70	105.59	26.09	3.13	37.43	97.38	74.00	23.38	Peak



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Antenna Polarity : VERTICAL

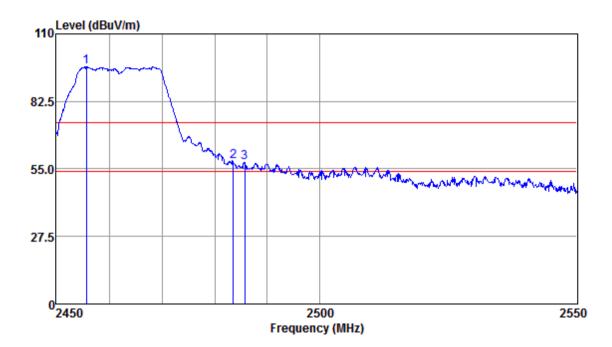
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.48	47.01	26.03	3.15	37.40	38.79	54.00	-15.21	Average
2390.00	48.29	26.03	3.15	37.40	40.07	54.00	-13.93	Average
2414.18	95.81	26.08	3.13	37.43	87.59	54.00	33.59	Average



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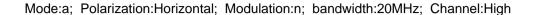
Antenna Polarity : HORIZONTAL

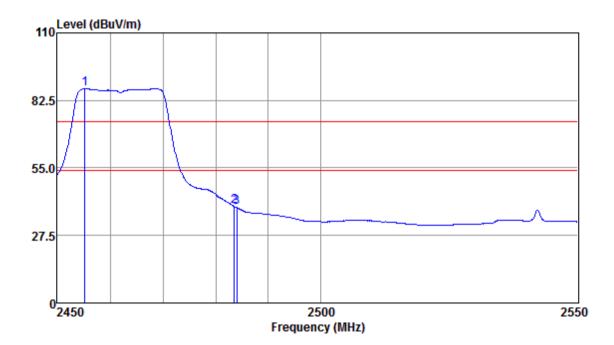
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2455.69	104.80	26.14	3.13	37.53	96.54	74.00	22.54	Peak
2483.50	66.32	26.18	3.14	37.57	58.07	74.00	-15.93	Peak
2485.74	65.95	26.18	3.14	37.57	57.70	74.00	-16.30	Peak



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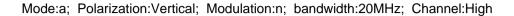
Antenna Polarity : HORIZONTAL

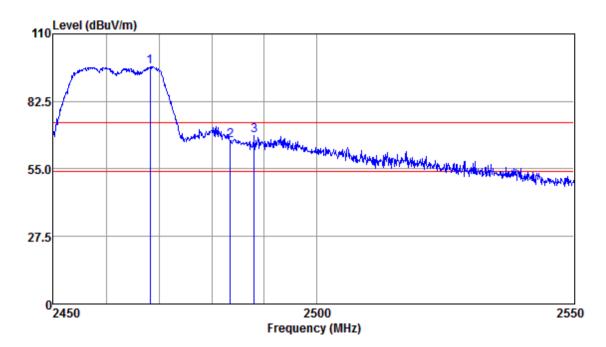
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2455.20	95.47	26.14	3.13	37.53	87.21	54.00	33.21	Average
2483.50	47.65	26.18	3.14	37.57	39.40	54.00	-14.60	Average
2484.05	47.03	26.18	3.14	37.57	38.78	54.00	-15.22	Average



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Antenna Polarity : VERTICAL

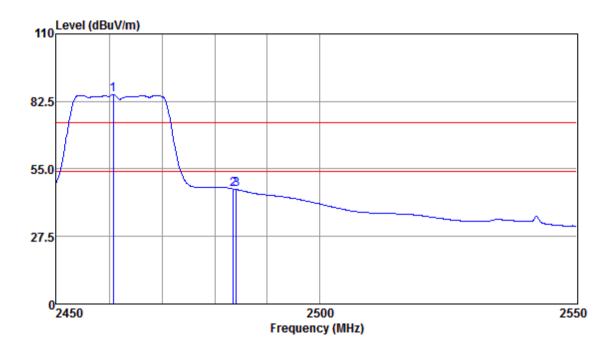
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.30	104.73	26.16	3.14	37.53	96.50	74.00	22.50	Peak
2483.50	74.98	26.18	3.14	37.57	66.73	74.00	-7.27	Peak
2488.13	77.02	26.18	3.14	37,60	68.74	74.00	-5.26	Peak



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Antenna Polarity : VERTICAL

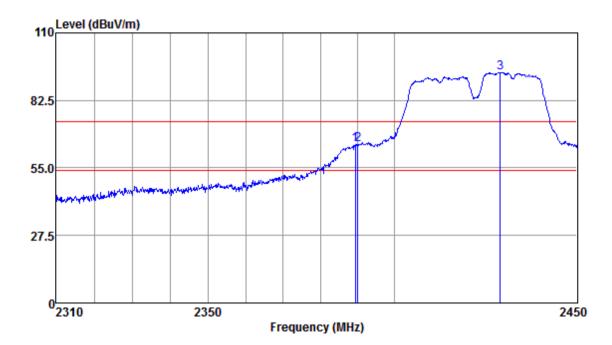
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2460.71	93.50	26.15	3.13	37.53	85.25	54.00	31.25	Average
2483.50	55.08	26.18	3.14	37.57	46.83	54.00	-7.17	Average
2484.15	54.82	26.18	3.14	37.57	46.57	54.00	-7.43	Average



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Antenna Polarity : HORIZONTAL

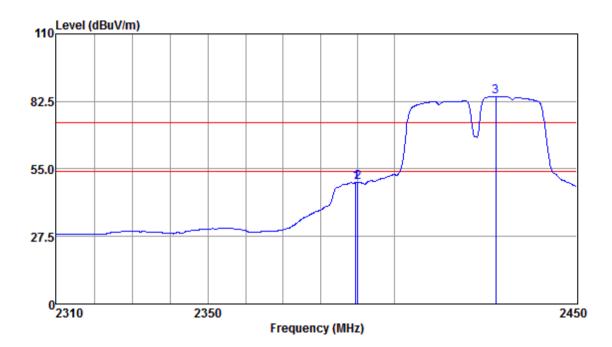
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.35	72.88	26.03	3.15	37.40	64.66	74.00	-9.34	Peak
2390.00	72.59	26.03	3.15	37.40	64.37	74.00	-9.63	Peak
2428.76	102.16	26.10	3.12	37.47	93.91	74.00	19.91	Peak



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



Antenna Polarity : HORIZONTAL

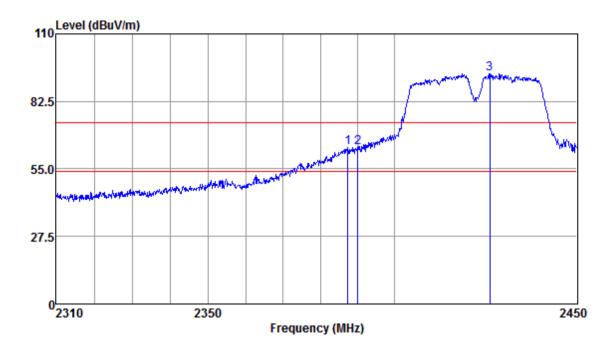
Freq					Emission Level			Remark
MU-	dD	dD /m	40	4D	dD/m	dD.u./m	4D	
MUZ	abuv	ab/m	ав	ав	dBuv/m	abuv/m	dB	
2389.49	57.60	26.03	3.15	37.40	49.38	54.00	-4.62	Average
2390.00	57.62	26.03	3.15	37.40	49.40	54.00	-4.60	Average
2427.61	92.74	26.10	3.12	37.47	84.49	54.00	30.49	Average



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Antenna Polarity : VERTICAL

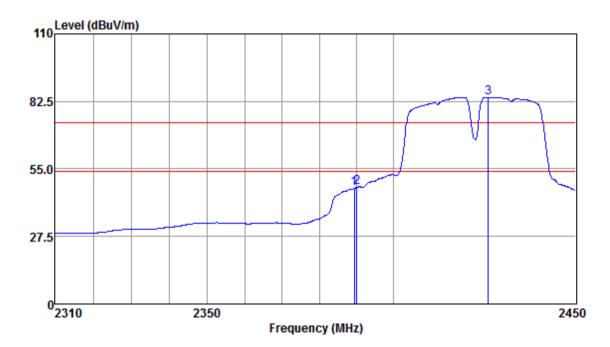
Freq					Emission Level			Remark
MHZ	dBuv	dB/m	đВ	dВ	dBuv/m	dBuv/m	dВ	
2387.38	71.93	26.03	3.16	37.40	63.72	74.00	-10.28	Peak
2390.00	71.97	26.03	3.15	37.40	63.75	74.00	-10.25	Peak
2425.90	102.11	26.10	3.12	37.47	93.86	74.00	19.86	Peak



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Antenna Polarity : VERTICAL

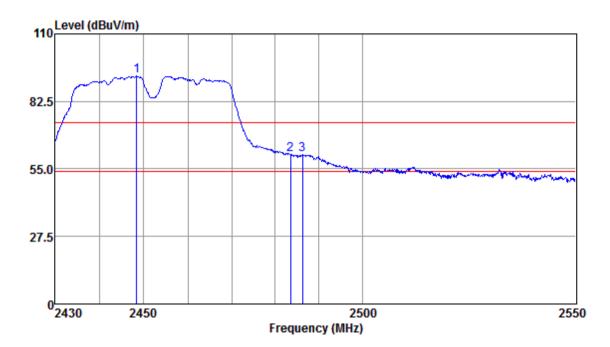
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
								Average
2390.00	55.67	26.03	3.15	37.40	47.45	54.00	-6.55	Average
2425.76	92.42	26.10	3.12	37.47	84.17	54.00	30.17	Average



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Antenna Polarity : HORIZONTAL

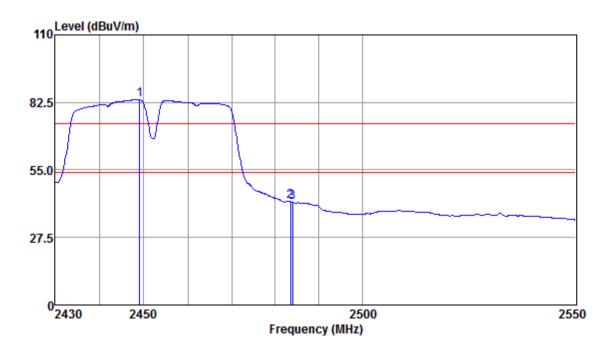
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2448.34	101.02	26.13	3.13	37.50	92.78	74.00	18.78	Peak
2483.50	68.99	26.18	3.14	37.57	60.74	74.00	-13.26	Peak
2486.28	69.01	26.18	3.14	37.57	60.76	74.00	-13.24	Peak



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



Antenna Polarity : HORIZONTAL

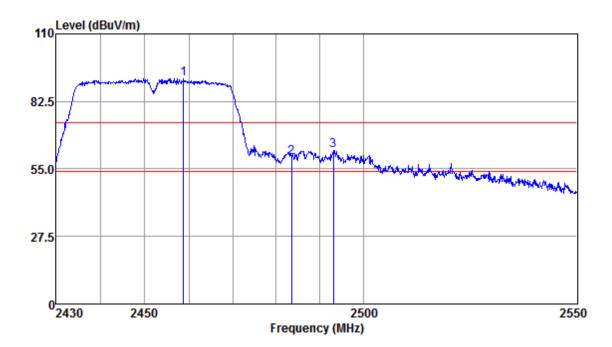
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2449.05	91.77	26.13	3.13	37.50	83.53	54.00	29.53	Average
2483.50	50.34	26.18	3.14	37.57	42.09	54.00	-11.91	Average
2484.00	50.06	26.18	3.14	37.57	41.81	54.00	-12.19	Average



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Antenna Polarity : VERTICAL

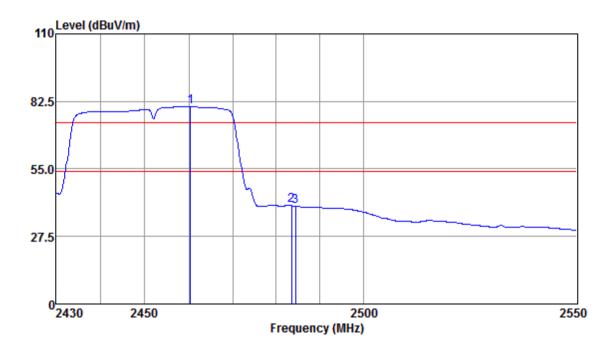
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2458.75	100.08	26.14	3.13	37.53	91.82	74.00	17.82	Peak
2483.50	67.99	26.18	3.14	37.57	59.74	74.00	-14.26	Peak
2493.12	70.86	26.19	3.15	37.60	62.60	74.00	-11.40	Peak



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Antenna Polarity : VERTICAL

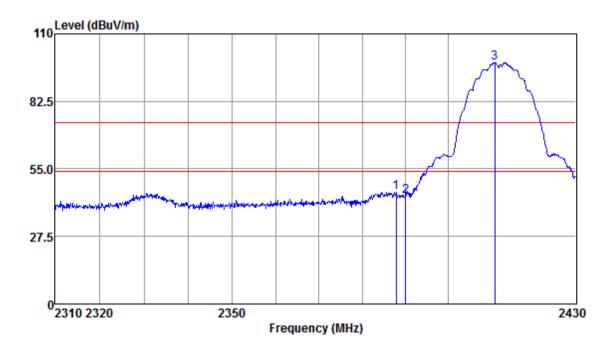
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2460.41	88.58	26.14	3.13	37.53	80.32	54.00	26.32	Average
2483.50	48.28	26.18	3.14	37.57	40.03	54.00	-13.97	Average
2484.36	48.11	26.18	3.14	37.57	39.86	54.00	-14.14	Average



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



Antenna Polarity : HORIZONTAL

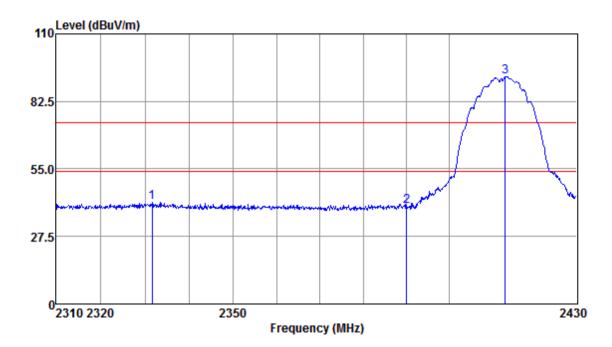
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2387.79	53.66	26.03	3.15	37.40	45.44	74.00	-28.56	Peak
2390.00	51.94	26.03	3.15	37.40	43.72	74.00	-30.28	Peak
2410.88	106.43	26.06	3.13	37.43	98.19	74.00	24.19	Peak



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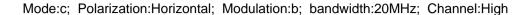
Antenna Polarity : VERTICAL

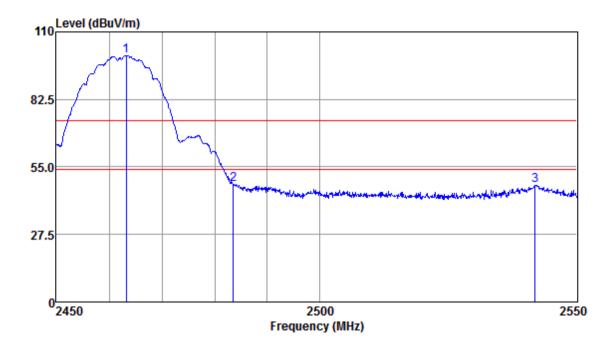
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2331.63	49.61	25.95	3.05	37.37	41.24	74.00	-32.76	Peak
2390.00	47.92	26.03	3.15	37.40	39.70	74.00	-34.30	Peak
2413.08	100.90	26.08	3.13	37.43	92.68	74.00	18.68	Peak



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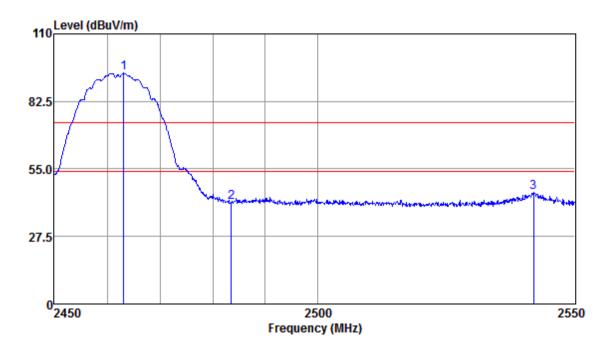
Antenna Polarity : HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2463.17	108.67	26.15	3.13	37.53	100.42	74.00	26.42	Peak
2483.50	56.15	26.18	3.14	37.57	47.90	74.00	-26.10	Peak
2541.75	55.66	26.33	3.16	37.63	47.52	74.00	-26.48	Peak



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



Antenna Polarity : VERTICAL

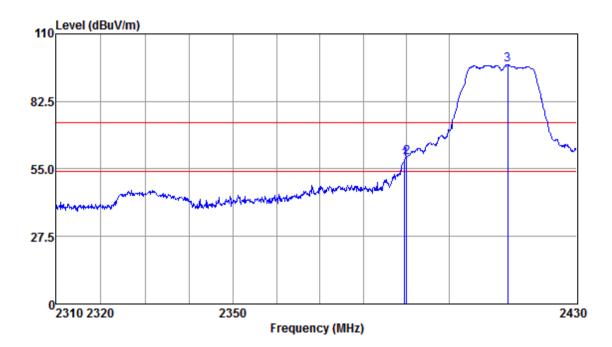
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2463.07	102.25	26.15	3.13	37.53	94.00	74.00	20.00	Peak
2483.50	49.49	26.18	3.14	37.57	41.24	74.00	-32.76	Peak
2541.85	53.54	26.33	3.16	37.63	45.40	74.00	-28.60	Peak



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



Antenna Polarity : HORIZONTAL

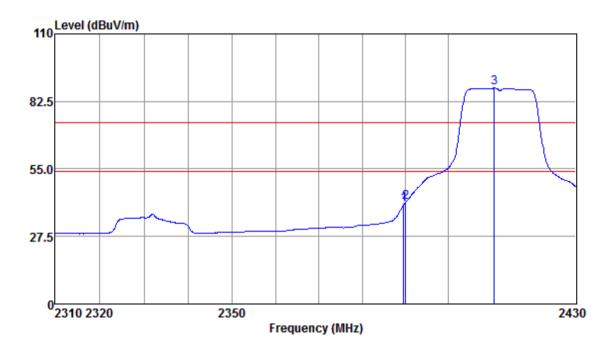
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.61	67.22	26.03	3.15	37.40	59.00	74.00	-15.00	Peak
2390.00	67.83	26.03	3.15	37.40	59.61	74.00	-14.39	Peak
2413.69	105.65	26.08	3.13	37.43	97.43	74.00	23.43	Peak



Report No.: SHEM190301146101

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



Antenna Polarity : HORIZONTAL

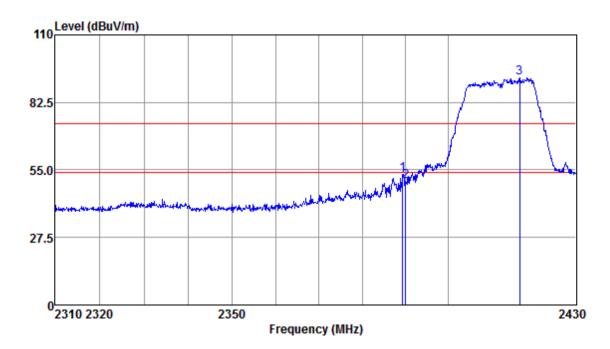
Freq					Emission Level			Remark
MHZ	abuv	aB/m	ав	ав	dBuv/m	aBuv/m	ав	
2389.61	48.65	26.03	3.15	37.40	40.43	54.00	-13.57	Average
2390.00	49.53	26.03	3.15	37.40	41.31	54.00	-12.69	Average
2410.76	96.17	26.06	3.13	37.43	87.93	54.00	33.93	Average



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



Antenna Polarity : VERTICAL

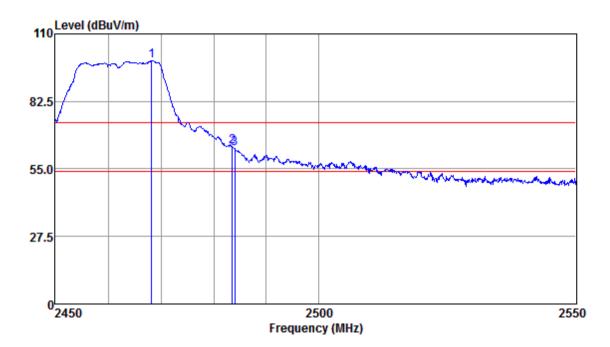
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.36	61.38	26.03	3.15	37.40	53.16	74.00	-20.84	Peak
2390.00	58.56	26.03	3.15	37.40	50.34	74.00	-23.66	Peak
2416.75	100.62	26.08	3.13	37.43	92.40	74.00	18.40	Peak



Report No.: SHEM190301146101

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



Antenna Polarity : HORIZONTAL

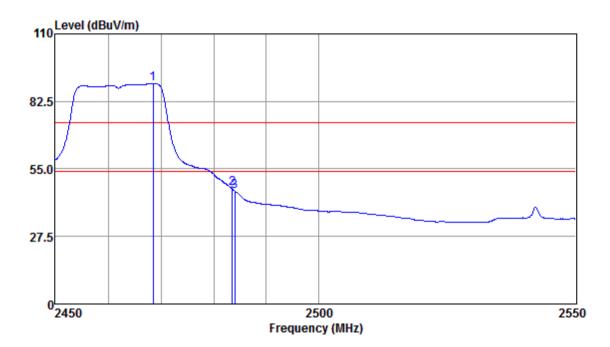
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.20	107.33	26.16	3.14	37.53	99.10	74.00	25.10	Peak
2483.50	72.28	26.18	3.14	37.57	64.03	74.00	-9.97	Peak
2484.05	71.47	26.18	3.14	37.57	63.22	74.00	-10.78	Peak



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



Antenna Polarity : HORIZONTAL

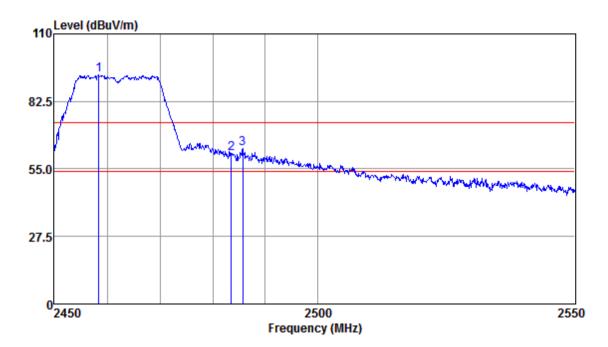
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
								Average
2483.50	55.17	26.18	3.14	37.57	46.92	54.00	-7.08	Average
2484.05	54.29	26.18	3.14	37.57	46.04	54.00	-7.96	Average



Report No.: SHEM190301146101

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



Antenna Polarity : VERTICAL

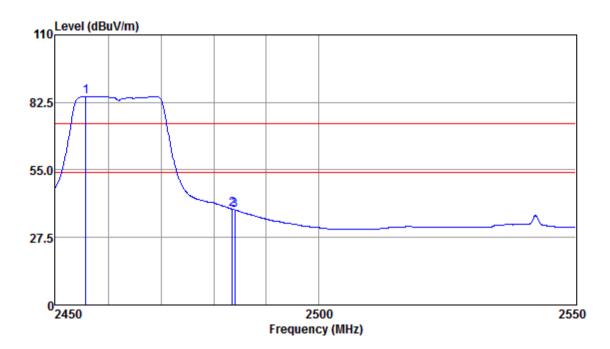
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2458.44	101.53	26.14	3.13	37.53	93.27	74.00	19.27	Peak
2483.50	69.71	26.18	3.14	37.57	61.46	74.00	-12.54	Peak
2485.74	71.76	26.18	3.14	37.57	63.51	74.00	-10.49	Peak



Report No.: SHEM190301146101

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



Antenna Polarity : VERTICAL

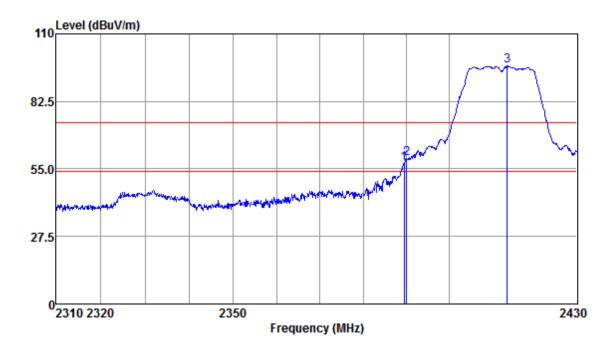
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2455.79	93.23	26.14	3.13	37.53	84.97	54.00	30.97	Average
2483.50	47.31	26.18	3.14	37.57	39.06	54.00	-14.94	Average
2484.05	46.96	26.18	3.14	37.57	38.71	54.00	-15.29	Average



Report No.: SHEM190301146101

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



Antenna Polarity : HORIZONTAL

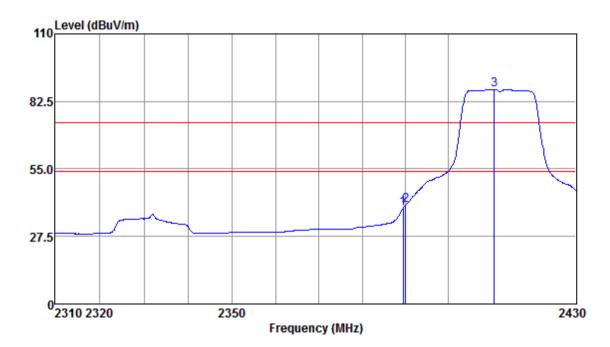
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.48	65.57	26.03	3.15	37.40	57.35	74.00	-16.65	Peak
2390.00	67.33	26.03	3.15	37.40	59.11	74.00	-14.89	Peak
2413.57	105.17	26.08	3.13	37.43	96.95	74.00	22.95	Peak



Report No.: SHEM190301146101

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



Antenna Polarity : HORIZONTAL

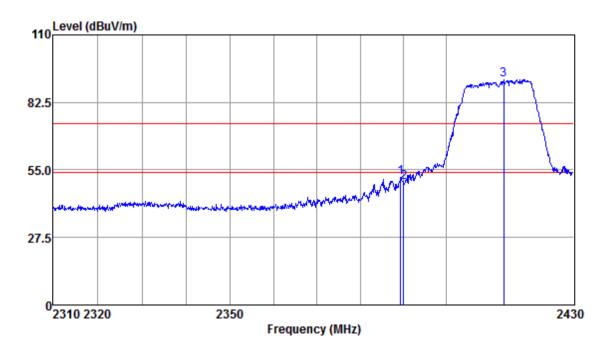
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.48	47.21	26.03	3.15	37.40	38.99	54.00	-15.01	Average
2390.00	48.36	26.03	3.15	37.40	40.14	54.00	-13.86	Average
2410.76	95.65	26.06	3.13	37.43	87.41	54.00	33.41	Average



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Antenna Polarity : VERTICAL

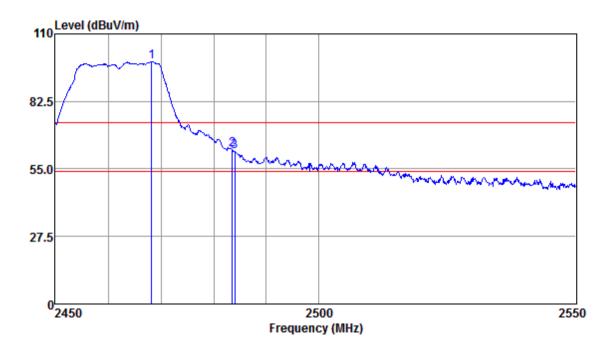
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.36	60.33	26.03	3.15	37.40	52.11	74.00	-21.89	Peak
2390.00	57.95	26.03	3.15	37.40	49.73	74.00	-24.27	Peak
2413.44	100.11	26.08	3.13	37.43	91.89	74.00	17.89	Peak



Report No.: SHEM190301146101

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



Antenna Polarity : HORIZONTAL

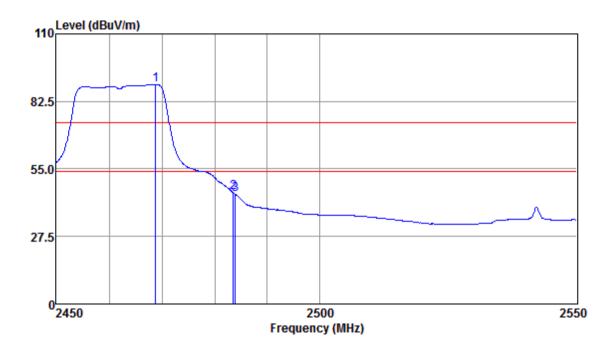
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.20	106.96	26.16	3.14	37.53	98.73	74.00	24.73	Peak
2483.50	71.05	26.18	3.14	37.57	62.80	74.00	-11.20	Peak
2484.05	70.40	26.18	3.14	37.57	62.15	74.00	-11.85	Peak



Report No.: SHEM190301146101

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



Antenna Polarity : HORIZONTAL

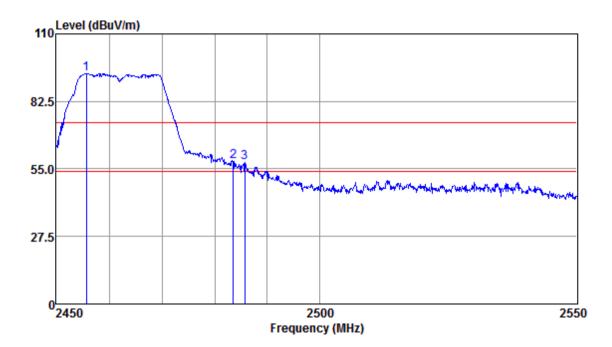
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2468.79	97.52	26.16	3.14	37.53	89.29	54.00	35.29	Average
2483.50	53.70	26.18	3.14	37.57	45.45	54.00	-8.55	Average
2483.95	52.96	26.18	3.14	37.57	44.71	54.00	-9.29	Average



Report No.: SHEM190301146101

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



Antenna Polarity : VERTICAL

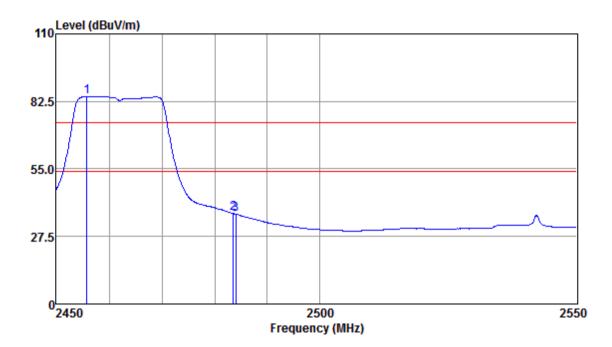
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2455.69	102.14	26.14	3.13	37.53	93.88	74.00	19.88	Peak
2483.50	66.47	26.18	3.14	37.57	58.22	74.00	-15.78	Peak
2485.74	65.94	26.18	3.14	37.57	57.69	74.00	-16.31	Peak



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



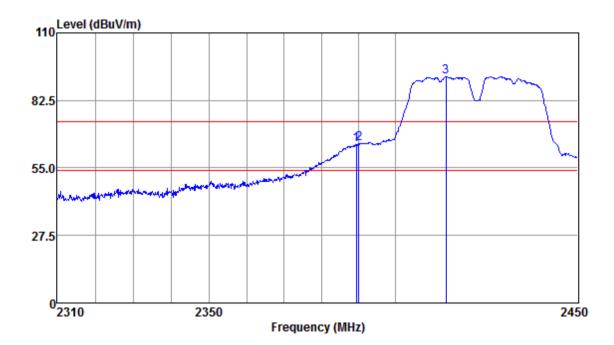
Antenna Polarity : VERTICAL

Freq					Emission Level			Remark
MHZ	abuv	aB/m	ав	ав	dBuv/m	aBuv/m	ав	
2455.79	92.79	26.14	3.13	37.53	84.53	54.00	30.53	Average
2483.50	45.13	26.18	3.14	37.57	36.88	54.00	-17.12	Average
2484.05	44.84	26.18	3.14	37.57	36.59	54.00	-17.41	Average



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Antenna Polarity : HORIZONTAL

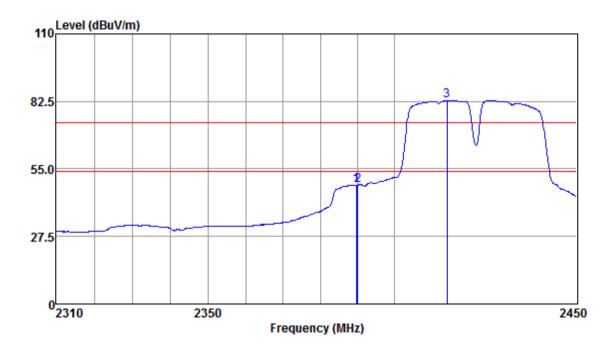
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.35	72.79	26.03	3.15	37.40	64.57	74.00	-9.43	Peak
2390.00	73.24	26.03	3.15	37.40	65.02	74.00	-8.98	Peak
2413.66	100.49	26.08	3.13	37.43	92.27	74.00	18.27	Peak



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



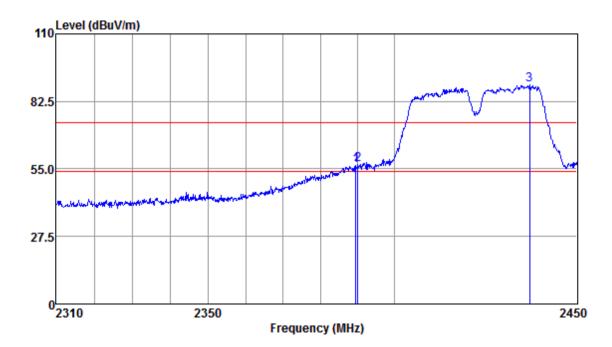
Antenna Polarity : HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.63	56.68	26.03	3.15	37.40	48.46	54.00	-5.54	Average
2390.00	56.67	26.03	3.15	37.40	48.45	54.00	-5.55	Average
2414.22	90.96	26.08	3.13	37.43	82.74	54.00	28.74	Average



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



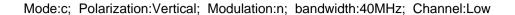
Antenna Polarity : VERTICAL

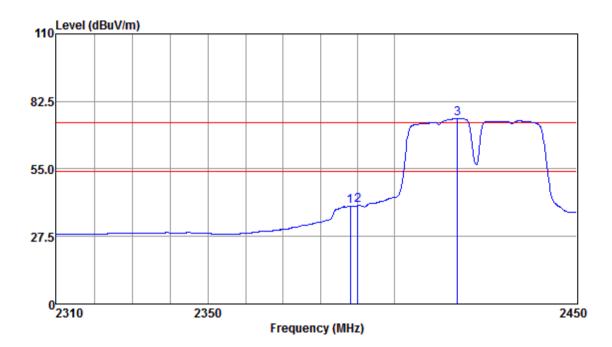
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2389.49	64.47	26.03	3.15	37.40	56.25	74.00	-17.75	Peak
2390.00	64.96	26.03	3.15	37.40	56.74	74.00	-17.26	Peak
2436.92	97.69	26.11	3.12	37.50	89.42	74.00	15.42	Peak



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Antenna Polarity : VERTICAL

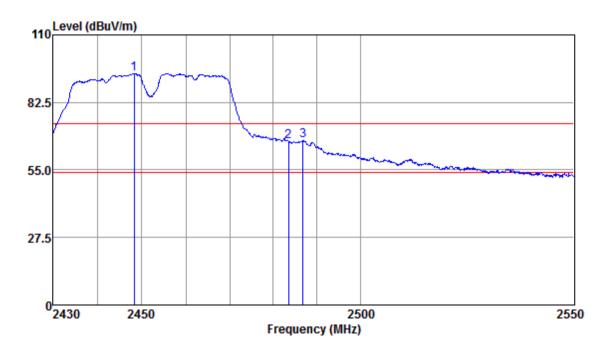
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2388.09	48.18	26.03	3.15	37.40	39.96	54.00	-14.04	Average
2390.00	48.21	26.03	3.15	37.40	39.99	54.00	-14.01	Average
2417.07	83.70	26.08	3.13	37.43	75.48	54.00	21.48	Average



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



Antenna Polarity : HORIZONTAL

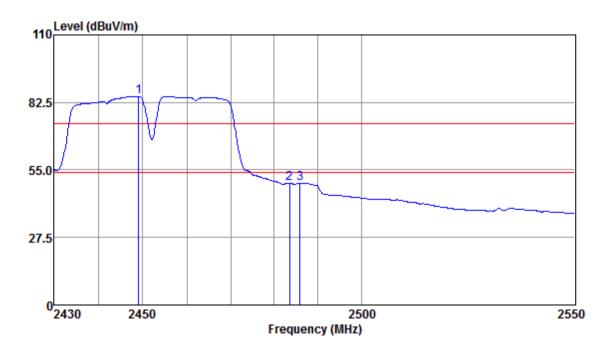
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2448.22	102.56	26.13	3.13	37.50	94.32	74.00	20.32	Peak
2483.50	74.99	26.18	3.14	37.57	66.74	74.00	-7.26	Peak
2486.76	75.28	26.18	3.14	37.57	67.03	74.00	-6.97	Peak



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



Antenna Polarity : HORIZONTAL

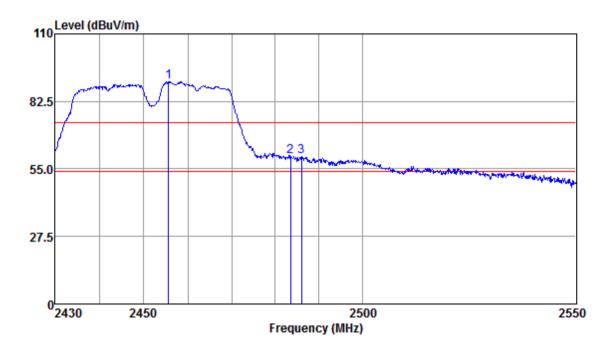
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2449.05	93.24	26.13	3.13	37.50	85.00	54.00	31.00	Average
2483.50	57.94	26.18	3.14	37.57	49.69	54.00	-4.31	Average
2485.92	57.75	26.18	3.14	37.57	49.50	54.00	-4.50	Average



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



Antenna Polarity : VERTICAL

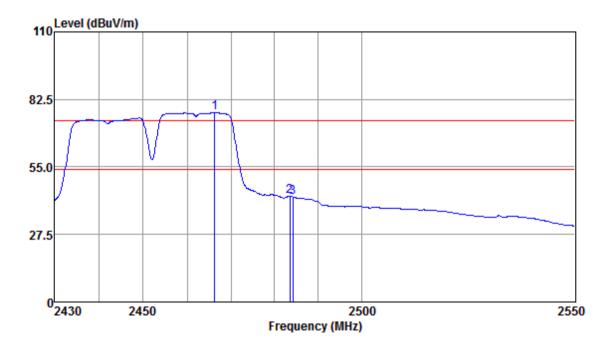
Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2455.55	98.75	26.14	3.13	37.53	90.49	74.00	16.49	Peak
2483.50	68.30	26.18	3.14	37.57	60.05	74.00	-13.95	Peak
2486.04	68.46	26.18	3.14	37.57	60.21	74.00	-13.79	Peak



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Mode:c; 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	
								Average
2483.50	51.24	26.18	3.14	37.57	42.99	54.00	-11.01	Average
2484.12	51.06	26.18	3.14	37.57	42.81	54.00	-11.19	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: Pretest these

20 °C

Humidity: 50 % RH

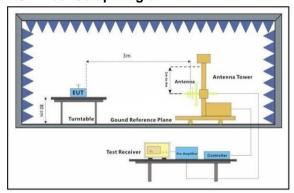
Atmospheric Pressure: 1010 mbar

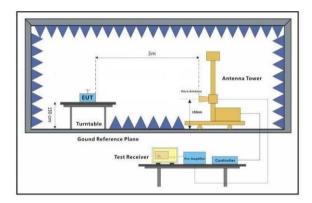
mode to find the worst case:

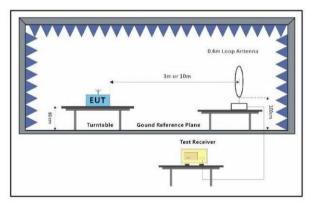
a:TX mode Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of 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. (DS-K1T607MFW)

c: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. (DS-K1T607TMFW)

7.8.2 Test Setup Diagram









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7.8.3 Measurement Procedure and Data

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

Remark:

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

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

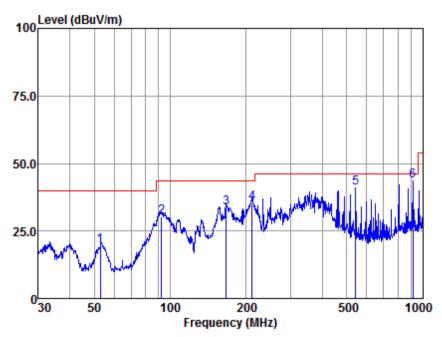
- 3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown



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Below 1GHz:

Mode:a; Polarization:Horizontal



Antenna Polarity : HORIZONTAL EUT/Project :11460CR

Test mode :a

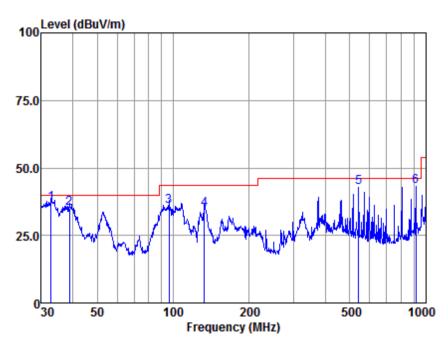
		Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
1	52.95	50.00	11.20	0.51	42.33	19.38	40.00	-20.62	QP
2	92.46	63.00	8.42	1.05	42.30	30.17	43.50	-13.33	QP
3	166.65	62.02	12.14	1.49	42.21	33.44	43.50	-10.06	QP
4	210.79	65.99	9.88	1.82	42.16	35.53	43.50	-7.97	QP
5	543.27	60.92	18.19	3.62	41.68	41.05	46.00	-4.95	QP
6	912.86	57.71	22.85	4.59	41.61	43.54	46.00	-2.46	QP



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Mode:a; Polarization:Vertical



Antenna Polarity :VERTICAL EUT/Project :11460CR

Test mode :a

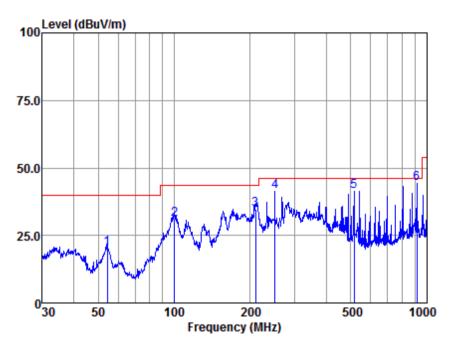
		Read	Antenna	Cable	Preamp	Emission	Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
1	32.86	63.07	15.62	0.39	42.36	36.72	40.00	-3.28	QP
2	38.75	60.95	16.20	0.13	42.34	34.94	40.00	-5.06	QP
3	96.10	68.09	8.99	1.08	42.31	35.85	43.50	-7.65	QP
4	132.69	63.30	12.36	1.41	42.26	34.81	43.50	-8.69	QP
5	543.27	62.59	18.19	3.62	41.68	42.72	46.00	-3.28	QP
6	912.86	57.52	22.85	4.59	41.61	43.35	46.00	-2.65	QP



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Mode:c; Polarization:Horizontal



Antenna Polarity :HORIZONTAL EUT/Project :11460CR

Test mode :c

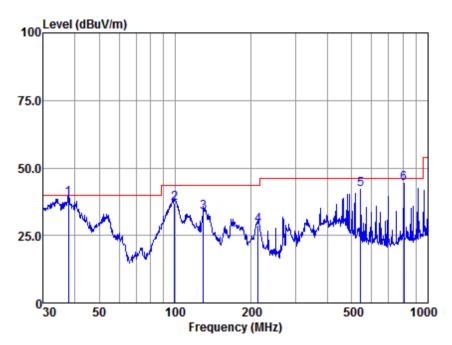
		Read	Antenna	Cable	Preamp	Emission	ı Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	ı dB	
1	54.26	50.60	11.50	0.53	42.33	20.30	40.00	-19.70	QP
2	100.23	62.85	9.50	1.11	42.32	31.14	43.50	-12.36	QP
3	210.05	65.24	9.88	1.82	42.16	34.78	43.50	-8.72	QP
4	250.30	69.88	11.52	2.19	42.10	41.49	46.00	-4.51	QP
5	515.44	61.83	17.59	3.58	41.69	41.31	46.00	-4.69	QP
6	912.86	58.35	22.85	4.59	41.61	44.18	46.00	-1.82	QP



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Mode:c; Polarization:Vertical



Antenna Polarity :VERTICAL EUT/Project :11460CR

Test mode :c

		Read	Antenna	Cable	Preamp	Emission	Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
1	37.81	64.37	16.11	0.49	42.34	38.63	40.00	-1.37	QP
2	99.53	68.68	9.44	1.11	42.32	36.91	43.50	-6.59	QP
3	129.47	61.66	12.80	1.43	42.26	33.63	43.50	-9.87	QP
4	213.02	59.18	10.00	1.86	42.16	28.88	43.50	-14.62	QP
5	543.27	62.08	18.19	3.62	41.68	42.21	46.00	-3.79	QP
6	804.60	60.06	21.93	4.38	41.99	44.38	46.00	-1.62	QP



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Above 1GHz	,.					
		Horizontal:	Modulation	·h· handwi	idth:20MHz:	Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
4824	43.76	6.40	50.16	54	-3.84	peak
7236	40.14	10.76	50.90	54	-3.10	peak
9648	38.33	14.37	52.70	54	-1.30	peak
3040	50.55	14.07	32.70	5 4	1.50	peak
Mode:a; Pol	arization:\		odulation:b;		n:20MHz; C	hannel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	41.76	6.40	48.16	54	-5.84	peak
7236	37.91	10.76	48.67	54	-5.33	peak
9648	34.28	14.37	48.65	54	-5.35	peak
Mode:a: Pol	arization:l	Horizontal:	Modulation	:b: bandw	idth:20MHz:	Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	41.48	6.92	48.40	54	-5.60	peak
7311	37.00	11.08	48.08	54	-5.92	peak
9748	32.45	14.36	46.81	54	-7.19	peak
						•
Mode:a; Pol	arization:\	/ertical; M	odulation:b;	bandwidth	n:20MHz; C	hannel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	40.88	6.92	47.80	54	-6.20	peak
7311	36.32	11.08	47.40	54	-6.60	peak
9748	35.69	14.36	50.05	54	-3.95	peak
Madaiai Dal	ori z otion I	Jorizoptoli	Modulation	ıbı bandırı	idth (20MU=)	Channalilliah
Frequency	RX_R	Factor	Emission	.b, bandwi Limit	Over Limit	Channel:High
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
4924	39.55	7.31	46.86	54		peak
7386	34.56	11.41	45.97	54	-8.03	peak
9848	31.12	14.38	45.50	54 54	-8.50	peak
9040	31.12	14.30	45.50	54	-0.50	peak
Mode:a; Pol	arization:\	/ertical; M	odulation:b;	bandwidth	n:20MHz; C	hannel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4924	41.36	7.31	48.67	54	-5.33	peak
7386	39.05	11.41	50.46	54	-3.54	peak
9848	34.84	14.38	49.22	54	-4.78	peak
Modern Bol	orizotional	Jorizontol:	Modulation	a bandui	idth:20MUz.	Channalilaw
	RX_R	Factor	Emission	.g; bandw Limit	Margin	Channel:Low Detector
Frequency MHz		ractor dB	dBuV/m		iviargin dB	Detector
	dBuV			dBuV/m		pook
4824	40.86	6.40	47.26	54	-6.74	peak
7236	36.57	10.76	47.33	54	-6.67 5.13	peak
9648	34.50	14.37	48.87	54	-5.13	peak



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Mode:a; Pol	arization:	Vertical; M	odulation:g;	bandwidth	:20MHz; C	hannel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	43.96	6.40	50.36	54	-3.64	peak
7236	36.01	10.76	46.77	54	-7.23	peak
9648	30.97	14.37	45.34	54	-8.66	peak
						F-5-11-1
Mode:a; Pol	arization:l	Horizontal;	Modulation	g; bandwid	dth:20MHz;	Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	39.31	6.92	46.23	54	-7.77	peak
7311	36.98	11.08	48.06	54	-5.94	peak
9748	31.32	14.36	45.68	54	-8.32	peak
						·
Mode:a; Pol	arization:	Vertical; M	odulation:g;	bandwidth	:20MHz; C	hannel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	39.84	6.92	46.76	54	-7.24	peak
7311	36.06	11.08	47.14	54	-6.86	peak
9748	36.94	14.36	51.30	54	-2.70	peak
						·
Mode:a; Pol	arization:l	Horizontal;	Modulation	g; bandwid	dth:20MHz;	Channel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4924	40.24	7.31	47.55	54	-6.45	peak
7386	34.55	11.41	45.96	54	-8.04	peak
9848	31.70	14.38	46.08	54	-7.92	peak
					-	,
Mode:a; Pol	arization:	Vertical: M	odulation:a:	bandwidth	:20MHz: C	hannel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4924	39.54	7.31	46.85	54	-7.15	peak
7386	38.83	11.41	50.24	54	-3.76	peak
9848	33.20	14.38	47.58	54	-6.42	peak
00.0	00.20			•	V	p ca
Mode:a: Pol	arization:	Horizontal:	Modulation	n: bandwid	dth:20MHz:	Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	38.34	6.40	44.74	54	-9.26	peak
7236	35.92	10.76	46.68	54	-7.32	peak
9648	31.07	14.37	45.44	54	-8.56	peak
3040	01.07	14.07	70.77	0-1	0.00	pour
Mode:a; Pol	arization:	Vertical: M	odulation:n:	bandwidth	:20MHz: C	hannel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	40.86	6.40	47.26	54	-6.74	peak
7236	36.06	10.76	46.82	54	-7.18	peak
9648	37.28	14.37	51.65	54	-2.35	peak
50.5	5.120		31.00	٠.		F-2011



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Mode:a; Pol Frequency MHz	arization:l RX_R dBuV	Horizontal; Factor dB	Modulation Emission dBuV/m	n; bandwic: Limit dBuV/m	th:20MHz; Margin dB	Channel:middle Detector
4874	42.65	6.92	49.57	54	-4.43	peak
7311	37.41	11.08	48.49	54	-5.51	peak
9748	35.96	14.36	50.32	54	-3.68	peak
Mode:a; Pol	arization:\	/ertical; M	odulation:n;	bandwidth	:20MHz; C	hannel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	39.43	6.92	46.35	54	-7.65	peak
7311	36.83	11.08	47.91	54	-6.09	peak
9748	31.32	14.36	45.68	54	-8.32	peak
07 10	01.02	1 1.00	10.00	01	0.02	podit
Mode:a; Pol	arization:l	Horizontal;	Modulation	:n; bandwic	th:20MHz;	Channel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4924	38.88	7.31	46.19	54	-7.81	peak
7386	35.72	11.41	47.13	54	-6.87	peak
9848	33.71	14.38	48.09	54	-5.91	peak
						•
Mode:a; Pol	arization:\	/ertical; M	odulation:n;	bandwidth:	:20MHz; C	hannel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4924	40.96	7.31	48.27	54	-5.73	peak
7386	34.36	11.41	45.77	54	-8.23	peak
9848	32.23	14.38	46.61	54	-7.39	peak
						F
Mode:a; Pol	arization:l	Horizontal;	Modulation	:n; bandwic	th:40MHz;	Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4844	42.06	6.60	48.66	54	-5.34	peak
7266	35.20	10.89	46.09	54	-7.91	peak
9688	35.55	14.35	49.90	54	-4.10	peak
						F
Mode:a; Pol	arization:\	/ertical; M	odulation:n;	bandwidth	:40MHz; C	hannel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4844	38.71	6.60	45.31	54	-8.69	peak
7266	39.87	10.89	50.76	54	-3.24	peak
9688	31.66	14.35	46.01	54	-7.99	peak
				,	M 405 ** *	
						Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	40.53	6.92	47.45	54	-6.55	peak
7311	34.31	11.08	45.39	54	-8.61	peak
9748	33.28	14.36	47.64	54	-6.36	peak



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Mode:a; Pol	arization:\	√ertical; M	odulation:n;	bandwidth	:40MHz; C	hannel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	41.24	6.92	48.16	54	-5.84	peak
7311	37.31	11.08	48.39	54	-5.61	peak
9748	36.76	14.36	51.12	54	-2.88	peak
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Mode:a; Pol	arization:I	Horizontal;	Modulation	:n; bandwid	dth:40MHz;	Channel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4904	38.37	7.22	45.59	54	-8.41	peak
7356	36.71	11.28	47.99	54	-6.01	peak
9808	36.08	14.37	50.45	54	-3.55	peak
						•
Mode:a; Pol	arization:\		-		:40MHz; C	hannel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4904	41.51	7.22	48.73	54	-5.27	peak
7356	37.92	11.28	49.20	54	-4.80	peak
9808	34.68	14.37	49.05	54	-4.95	peak
						•
Mode:c; Pol	arization:l	Horizontal;	Modulation	:b; bandwid	dth:20MHz;	Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	42.95	6.40	49.35	54	-4.65	peak
7236	37.19	10.76	47.95	54	-6.05	peak
9648	37.35	14.37	51.72	54	-2.28	peak
						,
Mode:c; Pol	arization:\	/ertical: M	odulation:b:	bandwidth	:20MHz: C	hannel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	20100101
4824	43.90	6.40	50.30	54	-3.70	peak
7236	39.06	10.76	49.82	54	-4.18	peak
		14.37	49.62 47.45		- 4 .16	•
9648	33.08	14.37	47.43	54	-0.55	peak
Mode:c: Pol	arization:l	Horizontal:	Modulation	:b: bandwid	dth:20MHz:	Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	20100101
4874	38.14	6.92	45.06	54	-8.94	peak
7311	39.91	11.08	50.99	54	-3.01	peak
9748	31.13	14.36	45.49	54	-8.51	peak
9740	31.13	14.30	45.49	54	-0.51	peak
Mode:c: Pol	arization:\	√ertical: M	odulation:b:	bandwidth	:20MHz: C	hannel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	41.74	6.92	48.66	54	-5.34	peak
7311	38.50	11.08	49.58	54	-4.42	peak
9748	36.76	14.36	51.12	54	-2.88	peak
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Mode:c; Pol	arization:H	Horizontal;	Modulation	b; bandwi	dth:20MHz;	Channel:High
Frequency	RX_R	Factor	Emission	Limit	Over Limit	_
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4924	41.52	7.31	48.83	54	-5.17	peak
7386	39.38	11.41	50.79	54	-3.21	peak
9848	36.42	14.38	50.80	54	-3.20	peak
						•
Mode:c; Pol	arization:\	/ertical; M	odulation:b;	bandwidth	:20MHz; C	hannel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4924	38.01	7.31	45.32	54	-8.68	peak
7386	34.82	11.41	46.23	54	-7.77	peak
9848	36.09	14.38	50.47	54	-3.53	peak
						·
Mode:c; Pol	arization:	Horizontal;	Modulation	g; bandwi	dth:20MHz;	Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	44.54	6.40	50.94	54	-3.06	peak
7236	37.96	10.76	48.72	54	-5.28	peak
9648	34.04	14.37	48.41	54	-5.59	peak
						·
Mode:c; Pol	arization:\	/ertical; M	odulation:g;	bandwidth	:20MHz; C	hannel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	43.74	6.40	50.14	54	-3.86	peak
7236	38.56	10.76	49.32	54	-4.68	peak
9648	33.67	14.37	48.04	54	-5.96	peak
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Mode:c: Pol	arization:	Horizontal:	Modulation	a: bandwi	dth:20MHz:	Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	41.11	6.92	48.03	54	-5.97	peak
7311	35.14	11.08	46.22	54	-7.78	peak
9748	36.23	14.36	50.59	54	-3.41	peak
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Mode:c: Pol	arization:\	/ertical: M	odulation:a:	bandwidth	:20MHz: C	hannel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Botootoi
4874	40.65	6.92	47.57	54	-6.43	peak
7311	36.30	11.08	47.38	54	-6.62	peak
9748	34.50	14.36	48.86	54	-5.14	peak
3740	34.30	14.50	40.00	J-T	-J. 1 -1	peak
Mode:c: Pol	arization:F	Horizontal:	Modulation	a: bandwi	dth:20MHz:	Channel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4924	38.55	7.31	45.86	54	-8.14	peak
7386	38.44	11.41	49.85	54	-4.15	peak
9848	32.85	14.38	47.23	54	-6.77	peak
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Mode:c; Pol	arization:\	/ertical; M	odulation:g;	bandwidth:	20MHz; C	hannel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4924	39.44	7.31	46.75	54	-7.25	peak
7386	35.09	11.41	46.50	54	-7.50	peak
9848	35.44	14.38	49.82	54	-4.18	peak
						'
Mode:c; Pol	arization:H	Horizontal;	Modulation	n; bandwid	lth:20MHz;	Channel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	40.97	6.40	47.37	54	-6.63	peak
7236	36.29	10.76	47.05	54	-6.95	peak
9648	35.77	14.37	50.14	54	-3.86	peak
						·
Mode:c; Pol	arization:\	/ertical; M	odulation:n;	bandwidth:	20MHz; C	hannel:Low
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4824	42.73	6.40	49.13	54	-4.87	peak
7236	43.03	10.76	53.79	54	-0.21	peak
9648	33.48	14.37	47.85	54	-6.15	peak
						'
Mode:c: Pol	arization:	Horizontal:	Modulation	n: bandwid	lth:20MHz:	Channel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	42.11	6.92	49.03	54	-4.97	peak
7311	39.57	11.08	50.65	54	-3.35	peak
9748	36.95	14.36	51.31	54	-2.69	peak
3740	50.55	14.50	31.31	04	2.00	poak
Mode:c: Pol	arization:\	/ertical: M	odulation:n:	bandwidth:	20MHz: C	hannel:middle
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	40.67	6.92	47.59	54	-6.41	peak
7311	38.70	11.08	49.78	54	-4.22	peak
9748	34.05	14.36	48.41	54	-5.59	peak
07 10	01.00	1 1.00	10.11	01	0.00	pour
Mode:c: Pol	arization:F	Horizontal:	Modulation:	n: bandwid	lth:20MHz:	Channel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Dottotto
4924	40.23	7.31	47.54	54	-6.46	peak
7386	36.16	11.41	47.57	54	-6.43	peak
9848	35.81	14.38	50.19	54	-3.81	peak
3040	33.01	14.50	50.15	J-1	-3.01	peak
Mode:c; Pol	arization:\	/ertical: M	odulation:n:	bandwidth:	20MHz: C	hannel:High
Frequency	RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4924	42.35	7.31	49.66	54	-4.34	peak
7386	39.50	11.41	50.91	54	-3.09	peak
9848	31.18	14.38	45.56	54	-8.44	peak
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Mode:c;	Polarization:	Horizontal;	Modulation:	n; bandwid	dth:40MHz;	Channel:Low
Frequen	cy RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4844	42.77	6.60	49.37	54	-4.63	peak
7266	38.33	10.89	49.22	54	-4.78	peak
9688	33.99	14.35	48.34	54	-5.66	peak
N/a alassas	Dalasiastiass	\/a=ti==l- N4		المالية المستعددة المستعددة	.40MH O	hannald a
	Polarization:					
Frequen	•	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4844	42.85	6.60	49.45	54	-4.55	peak
7266	34.32	10.89	45.21	54	-8.79	peak
9688	31.29	14.35	45.64	54	-8.36	peak
Mode:c;	Polarization:	Horizontal;	Modulation:	n; bandwid	dth:40MHz;	Channel:middle
Frequen	cy RX_R	Factor	Emission	Limit	Margin	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4874	40.98	6.92	47.90	54	-6.10	peak
7311	34.47	11.08	45.55	54	-8.45	peak
9748	35.84	14.36	50.20	54	-3.80	peak
						•
N 41	Dalari-ation.	Vartical M	odulation:n:	h a n du ii dth	.401411 0	h a a a a l a a l al a
Mode:c;	Polarization:	vertical, ivi	odulation.n,	Danuwidin	.4UIVI□Z, C	hannel:middle
Frequen		Factor	Emission	Limit	Margin	nannei:middie Detector
Frequen	cy RX_R	Factor	Emission	Limit	Margin	Detector
Frequence MHz	cy RX_R dBuV	Factor dB	Emission dBuV/m	Limit dBuV/m	Margin dB	Detector peak
Frequence MHz 4874	cy RX_R dBuV 41.50	Factor dB 6.92	Emission dBuV/m 48.42	Limit dBuV/m 54	Margin dB -5.58	Detector
Frequence MHz 4874 7311 9748	cy RX_R dBuV 41.50 34.51 31.64	Factor dB 6.92 11.08 14.36	Emission dBuV/m 48.42 45.59 46.00	Limit dBuV/m 54 54 54	Margin dB -5.58 -8.41 -8.00	Detector peak peak peak
Frequence MHz 4874 7311 9748 Mode:c;	cy RX_R dBuV 41.50 34.51 31.64 Polarization:	Factor dB 6.92 11.08 14.36 Horizontal;	Emission dBuV/m 48.42 45.59 46.00	Limit dBuV/m 54 54 54	Margin dB -5.58 -8.41 -8.00 dth:40MHz;	Detector peak peak peak Channel:High
Frequence MHz 4874 7311 9748 Mode:c; Frequence	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R	Factor dB 6.92 11.08 14.36 Horizontal; Factor	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission	Limit dBuV/m 54 54 54 54 :n; bandwid Limit	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin	Detector peak peak peak
Frequence MHz 4874 7311 9748 Mode:c; Frequence MHz	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R dBuV	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission dBuV/m	Limit dBuV/m 54 54 54 cn; bandwid Limit dBuV/m	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin dB	peak peak peak Channel:High Detector
Frequence MHz 4874 7311 9748 Mode:c; Frequence	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R	Factor dB 6.92 11.08 14.36 Horizontal; Factor	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission	Limit dBuV/m 54 54 54 54 :n; bandwid Limit	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin	Detector peak peak peak Channel:High
Frequence MHz 4874 7311 9748 Mode:c; Frequence MHz	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R dBuV	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission dBuV/m	Limit dBuV/m 54 54 54 cn; bandwid Limit dBuV/m	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin dB	peak peak peak Channel:High Detector
Frequence MHz 4874 7311 9748 Mode:c; Frequence MHz 4904	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R dBuV 42.26	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission dBuV/m 49.48	Limit dBuV/m 54 54 54 cn; bandwid Limit dBuV/m 54	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin dB -4.52	peak peak peak Channel:High Detector peak
Frequence MHz 4874 7311 9748 Mode:c; Frequence MHz 4904 7356 9808	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R dBuV 42.26 38.36 33.71	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission dBuV/m 49.48 49.64 48.08	Limit dBuV/m 54 54 54 cn; bandwid Limit dBuV/m 54 54	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin dB -4.52 -4.36 -5.92	peak peak Channel:High Detector peak peak peak peak
Frequence MHz 4874 7311 9748 Mode:c; Frequence MHz 4904 7356 9808 Mode:c;	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R dBuV 42.26 38.36 33.71 Polarization:	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37 Vertical; M	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission dBuV/m 49.48 49.64 48.08 odulation:n;	Limit dBuV/m 54 54 54 cn; bandwid Limit dBuV/m 54 54 54 bandwidth	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin dB -4.52 -4.36 -5.92	peak peak peak Channel:High Detector peak peak peak peak hannel:High
Frequence MHz 4874 7311 9748 Mode:c; Frequence MHz 4904 7356 9808 Mode:c; Frequence	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R dBuV 42.26 38.36 33.71 Polarization: cy RX_R	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37 Vertical; M Factor	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission dBuV/m 49.48 49.64 48.08 odulation:n; Emission	Limit dBuV/m 54 54 54 cn; bandwid Limit dBuV/m 54 54 54 bandwidth Limit	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin dB -4.52 -4.36 -5.92 :40MHz; Cl	peak peak Channel:High Detector peak peak peak peak
Frequence MHz 4874 7311 9748 Mode:c; Frequence MHz 4904 7356 9808 Mode:c; Frequence MHz	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R dBuV 42.26 38.36 33.71 Polarization: cy RX_R dBuV	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37 Vertical; M Factor dB	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission dBuV/m 49.48 49.64 48.08 odulation:n; Emission dBuV/m	Limit dBuV/m 54 54 54 cn; bandwid Limit dBuV/m 54 54 54 bandwidth Limit dBuV/m	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin dB -4.52 -4.36 -5.92 :40MHz; Cl Margin dB	peak peak peak Channel:High Detector peak peak peak peak peak peak hannel:High
Frequence MHz 4874 7311 9748 Mode:c; Frequence MHz 4904 7356 9808 Mode:c; Frequence MHz 4904	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R dBuV 42.26 38.36 33.71 Polarization: cy RX_R dBuV 42.26	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37 Vertical; M Factor dB 7.22	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission dBuV/m 49.48 49.64 48.08 odulation:n; Emission dBuV/m 50.51	Limit dBuV/m 54 54 54 cn; bandwid Limit dBuV/m 54 54 bandwidth Limit dBuV/m 54	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin dB -4.52 -4.36 -5.92 :40MHz; Cl Margin dB -3.49	peak peak peak Channel:High Detector peak peak peak peak hannel:High Detector
Frequence MHz 4874 7311 9748 Mode:c; Frequence MHz 4904 7356 9808 Mode:c; Frequence MHz	cy RX_R dBuV 41.50 34.51 31.64 Polarization: cy RX_R dBuV 42.26 38.36 33.71 Polarization: cy RX_R dBuV	Factor dB 6.92 11.08 14.36 Horizontal; Factor dB 7.22 11.28 14.37 Vertical; M Factor dB	Emission dBuV/m 48.42 45.59 46.00 Modulation: Emission dBuV/m 49.48 49.64 48.08 odulation:n; Emission dBuV/m	Limit dBuV/m 54 54 54 cn; bandwid Limit dBuV/m 54 54 54 bandwidth Limit dBuV/m	Margin dB -5.58 -8.41 -8.00 dth:40MHz; Margin dB -4.52 -4.36 -5.92 :40MHz; Cl Margin dB	peak peak peak Channel:High Detector peak peak peak peak peak peak hannel:High



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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 -