



FCC RADIO TEST REPORT

FCC ID:2AZS2-CAPSULE

Product: capsule

Trade Name: N/A

Model Name: capsule

Serial Model: N/A

Report No.: UNIA21040810ER-01

Prepared for

flowtoys,inc.

6315 Doyle Street, Emeryville, CA 94608. USA

Prepared by

Shenzhen United Testing Technology Co., Ltd.

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TEST RESULTCERTIFICATION

Applicant's name:	flowtoys,ir	nc.				
Address:	6315 Doyl	e Street, Er	neryville,	CA 94608. U	SA	
Manufacture's Name:	SUNVIEW	/ ELECTRO	NICS CC).,LTD		
Address:	3F/, 232R	ing Road W	est, Pany	u, Guangzho	u, Guangdo	ng, China
Product description						
Product name:	capsule					
Trade Mark:	N/A					
Model and/or type reference .:	capsule					
Standards	FCC Rule ANSI C63	J	lations Pa	art 15 Subpar	t C Section	15.249,
This device described above Co., Ltd., and the test results with the FCC requirements. A report. This report shall not be reproduced and the personnel only, and shall be a Date (s) of performance of tests. Date of Issue	show that and it is ap duced exc revised by noted in th	t the equipoplicable or cept in full, Shenzher	ment under the without of the december of the	der test (EU e tested sam the written a Testing Tec ocument.	T) is in con ple identific pproval of	npliance ed in the UNI, this
Test Result		Pass				
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Reviewer:	_	17		<u>'0</u>		
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Approved & Authorized Signs	er.		Ji)vel		

Liuze/Manager





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1. TEST SUMMARY

TEST PROCEDURES AND RESULTS

DESCRIPTION OF TEST	RESULT	STANGARD
CONDUCTED EMISSIONS TEST	COMPLIANT	FCC Part 15.207
RADIATED EMISSION TEST	COMPLIANT	FCC Part 15.209/15.249
BAND EDGE	COMPLIANT	FCC Part 15.249(d)
20dB Bandwidth	COMPLIANT	FCC Part 15.215
ANTENNA REQUIREMENT	COMPLIANT	FCC Part 15.203

TEST FACILITY

Test Firm : Shenzhen United Testing Technology Co., Ltd.

Address : 2F, Annex Bldg, Jiahuangyuan Tech Park, #365 Baotian 1 Rd, Tiegang

Community, Xixiang Str, Bao'an District, Shenzhen, China

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19. The testing quality system of our laboratory meets with ISO/IEC-17025 requirements. This approval result is accepted by MRA of APLAC.

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

A2LA Certificate Number: 4747.01

The EMC Laboratory has been accredited by A2LA, and in compliance with ISO/IEC 17025:2017 General Requirements for testing Laboratories.

FCC Registration Number: 674885

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission.

IC Registration Number: 21947

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada.

MEASUREMENT UNCERTAINTY

Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2 Radiated emission expanded uncertainty(9kHz-30MHz) = 3.08dB, k=2 Radiated emission expanded uncertainty(30MHz-1000MHz) = 4.42dB, k=2 Radiated emission expanded uncertainty(Above 1GHz) = 4.06dB, k=2



2. GENERAL INFORMATION

2.1GENERAL DESCRIPTION OF EUT

Equipment	capsule
Trade Mark	N/A
Model Name	capsule
Serial No.	N/A
Model Difference	N/A
FCC ID	2AZS2-CAPSULE
Antenna Type	PCB Antenna
Antenna Gain	1dBi
Frequency Range	2439MHz
Number of Channels	1CH
Modulation Type	GFSK
Battery	N/A
PowerSource	DC 3.7V 700mAh



2.2 Carrier Frequency of Channels

Channel List								
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
01	2439							

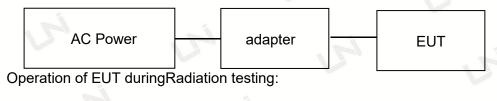
2.3 Operation of EUT during testing

Operating Mode

The mode is used: Transmitting mode:2439MHz

2.4 DESCRIPTION OF TEST SETUP

Operation of EUT during Conducted testing:



EUT

Table forauxiliary equipment:

Equipment Description	Manufacturer	Model	Calibration Due Date
adapter	Huawei	HW-090200	N/A





Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
	Conduction Em	nissions Measuremen	t	
Conducted Emission Test Software	EZ-EMC	Ver.CCS-3A1-CE	N/A	N/A
AMN	Schwarzbeck	NNLK8121	8121370	2021.10.15
AMN	ETS	3810/2	00020199	2021.10.15
AAN	TESEQ	T8-Cat6	38888	2021.10.15
Pulse Limiter	CYBRTEK	EM5010	E115010056	2021.05.26
EMI Test Receiver	Rohde&Schwarz	ESCI	101210	2021.10.15
	Radiated Emi	ssions Measurement		i Ni
Radiated Emission Test Software	EZ-EMC	Ver.CCS-03A1	N/A	N/A
Horn Antenna	Sunol	DRH-118	A101415	2021.10.18
Broadband Hybrid Antenna	Sunol	JB1	A090215	2021.11.15
PREAMP	HP	8449B	3008A00160	2021.10.21
PREAMP	HP	8447D	2944A07999	2021.05.26
EMI Test Receiver	Rohde&Schwarz	ESR3	101891	2021.10.15
MXA Signal Analyzer	Keysight	N9020A	MY51110104	2021.10.15
Active Loop Antenna	Com-Power	AL-310R	10160009	2021.05.28
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1680	2021.05.28
Horn Antenna	A-INFOMW	LB-180400-KF	J211060660	2021.10.23
Loop Antenna	Beijing daze Technology	ZN30401	13015	2021.10.15
EM Clamp	Schwarzbeck	MDS21	03350	2021.10.20
	Conducted Emission Test Software AMN AMN AAN Pulse Limiter EMI Test Receiver Radiated Emission Test Software Horn Antenna Broadband Hybrid Antenna PREAMP PREAMP EMI Test Receiver MXA Signal Analyzer Active Loop Antenna Horn Antenna Loop Antenna	Conducted Emission Test Software AMN Schwarzbeck AMN ETS AAN TESEQ Pulse Limiter CYBRTEK EMI Test Receiver Radiated Emission Test Software Horn Antenna Broadband Hybrid Antenna PREAMP PREAMP HP PREAMP EMI Test Receiver Rohde&Schwarz Radiated Emission Test Software Horn Antenna Com-Power Horn Antenna Com-Power Horn Antenna Horn Antenna Com-Power Horn Antenna A-INFOMW Loop Antenna Rez-EMC Rohde&Schwarz Regight Active Loop Antenna Com-Power Horn Antenna A-INFOMW Beijing daze Technology	Conducted Emission Test Software AMN Schwarzbeck NNLK8121 AMN ETS 3810/2 AAN TESEQ T8-Cat6 Pulse Limiter CYBRTEK EM5010 EMI Test Receiver Rohde&Schwarz ESCI Radiated Emission Test Software Horn Antenna Sunol DRH-118 Broadband Hybrid Antenna Sunol DRH-118 PREAMP HP 8449B PREAMP HP 8447D EMI Test Receiver Rohde&Schwarz ESR3 MXA Signal Analyzer Keysight N9020A Active Loop Antenna Schwarzbeck BBHA9120D Horn Antenna A-INFOMW LB-180400-KF Loop Antenna Beijing daze Technology ZN30401	Conducted Emission Conducted Emission Test Software EZ-EMC Ver.CCS-3A1-CE N/A AMN Schwarzbeck NNLK8121 8121370 AMN ETS 3810/2 00020199 AAN TESEQ T8-Cat6 38888 Pulse Limiter CYBRTEK EM5010 E115010056 EMI Test Receiver Rohde&Schwarz ESCI 101210 Radiated Emissions Measurement Radiated Emission Test Software EZ-EMC Ver.CCS-03A1 N/A Horn Antenna Sunol DRH-118 A101415 Broadband Hybrid Antenna Sunol JB1 A090215 PREAMP HP 8449B 3008A00160 PREAMP HP 8447D 2944A07999 EMI Test Receiver Rohde&Schwarz ESR3 101891 MXA Signal Analyzer Keysight N9020A MY51110104 Active Loop Antenna Com-Power AL-310R 10160009 Horn Antenna A-INFOMW LB-180400-KF J211060660



3. CONDUCTED EMISSIONS TEST

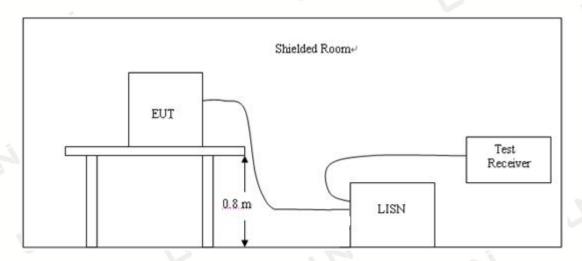
3.1 Conducted Power Line Emission Limit

For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following

Frequency	Maximum RF Line Voltage(dBμV)							
	CLA	SS A	CLASS B					
(MHz)	Q.P.	Ave.	Q.P.	Ave.				
0.15~0.50	79	66	66~56*	56~46*				
0.50~5.00	73	60	56	46				
5.00~30.0	73	60	60	50				

^{*} Decreasing linearly with the logarithm of the frequency
For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

3.2 Test Setup



3.3 Test Procedure

- 1,The equipment was set up as per the test configuration to simulate typical actual usage per the user'smanual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed onthe ground plane as per ANSI C63.10.
- 2, Support equipment, if needed, was placed as per ANSI C63.10.
- 3, All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4,If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hzpower through a Line Impedance Stabilization Network (LISN) which supplied power source and wasgrounded to the ground plane.
- 5, All support equipments received AC power from a second LISN, if any.
- 6, The EUT test program was started. Emissions were measured on each current carrying line of the EUTusing a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has twomonitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7, Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.

3.4 Test Result

Pass

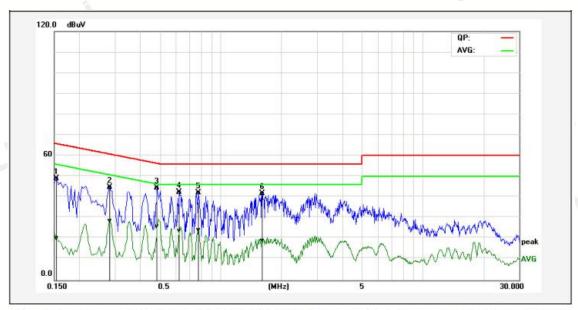
Remark

- 1. All modes were tested at AC 120V and 240V, only the worst result of AC 120V was reported.
- 2. All modes of work were tested, and only the worst results were reported:





Temperature:	24°C	Relative Humidity:	45%						
Test Date:	Apr. 23, 2021	Pressure:	1010hPa						
Test Voltage:	AC 120V, 60Hz	Phase:	Line						
Test Mode:	Transmitting mode of GFSK 2439I	ransmitting mode of GFSK 2439MHz							



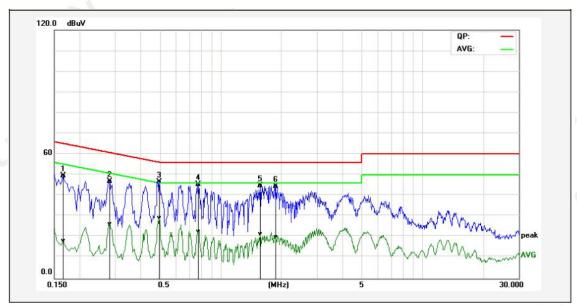
No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak Iimit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	-
1P	0.1540	39.55	10.85	9.54	49.09	20.39	65.78	55.78	-16.69	-35.39	Pass
2P	0.2820	35.33	18.89	9.67	45.00	28.56	60.76	50.76	-15.76	-22.20	Pass
3*	0.4860	34.73	16.35	9.68	44.41	26.03	56.24	46.24	-11.83	-20.21	Pass
4P	0.6260	32.79	14.12	9.69	42.48	23.81	56.00	46.00	-13.52	-22.19	Pass
5P	0.7780	32.46	14.38	9.74	42.20	24.12	56.00	46.00	-13.80	-21.88	Pass
6P	1.6020	32.21	9.19	9.79	42.00	18.98	56.00	46.00	-14.00	-27.02	Pass

Remark: Factor = Insertion Loss + Cable Loss, Result=Reading + Factor, Margin=Result – Limit.





Temperature:	24℃	Relative Humidity:	45%					
Test Date:	Apr. 23, 2021	Pressure:	1010hPa					
Test Voltage:	AC 120V, 60Hz	Phase:	Neutral					
Test Mode:	est Mode: Transmitting mode of GFSK 2439MHz							



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1P	0.1660	40.02	8.69	9.56	49.58	18.25	65.15	55.16	-15.57	-36.91	Pass
2P	0.2819	37.15	16.62	9.67	46.82	26.29	60.76	50.76	-13.94	-24.47	Pass
3*	0.4980	37.06	19.53	9.68	46.74	29.21	56.03	46.03	-9.29	-16.82	Pass
4P	0.7780	35.69	12.87	9.74	45.43	22.61	56.00	46.00	-10.57	-23.39	Pass
5P	1.5740	35.09	11.61	9.78	44.87	21.39	56.00	46.00	-11.13	-24.61	Pass
6P	1.8780	34.67	10.14	9.79	44.46	19.93	56.00	46.00	-11.54	-26.07	Pass

Remark: Factor = Insertion Loss + Cable Loss, Result=Reading + Factor, Margin=Result – Limit.



4 RADIATED EMISSION TEST

4.1 Radiation Limit

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Limit calculation and transfer to 3m distance as showed in the following table:

Frequency (MHz)		
0.009-0.490	20log(2400/F(KHz))+40log(300/3)	3
0.490-1.705	20log(24000/F(KHz))+40log(30/3)	3
1.705-30.0	69.5	3
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

For intentional device, according to § 15.209(a), the general requirement of field strength of radiatedemissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

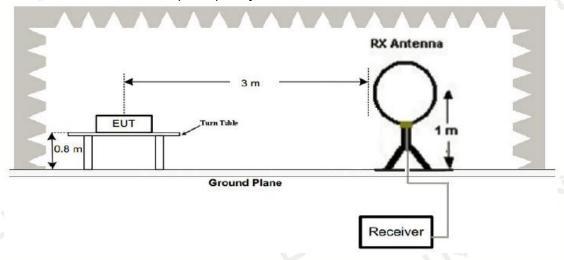
(a) Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

For intentionally used equipment, the general requirements for the magnetic field strength limits of the fundamental and harmonic radiation from the intentional radiator at a distance of 3 meters shall not exceed the above table, as specified in § 15.249(a).

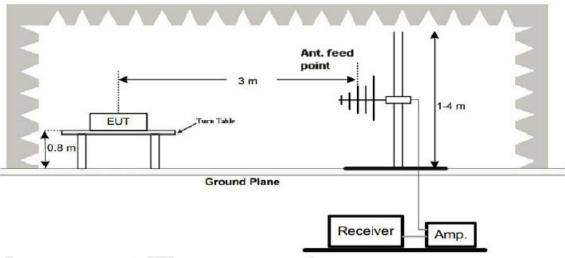
4.2 Test Setup

1. Radiated Emission Test-Up Frequency Below 30MHz

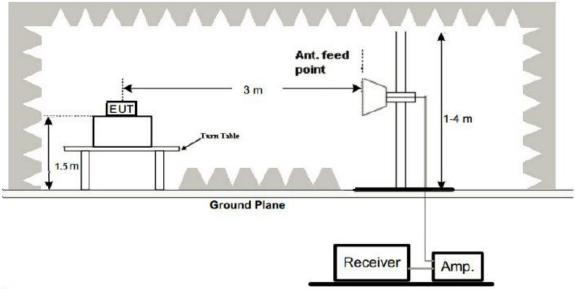




2. Radiated Emission Test-Up Frequency 30MHz~1GHz



3. Radiated Emission Test-Up Frequency Above 1GHz



4.3 Test Procedure

- 1. Below 1GHz measurement the EUT is placed on turntable which is 0.8m above ground plane. And above 1GHz measurement EUT was placed on low permittivity and low tangent turn table which is 1.5m above ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highestemissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna bothhorizontal and vertical.
- 6. Repeat above procedures until the measurements for all frequencies are complete.
- 7. The test frequency range from 9KHz to25GHz per FCC PART 15.33(a).

Note:

For battery operated equipment, the equipment tests shall be performed using a new battery.



4.4 Test Result

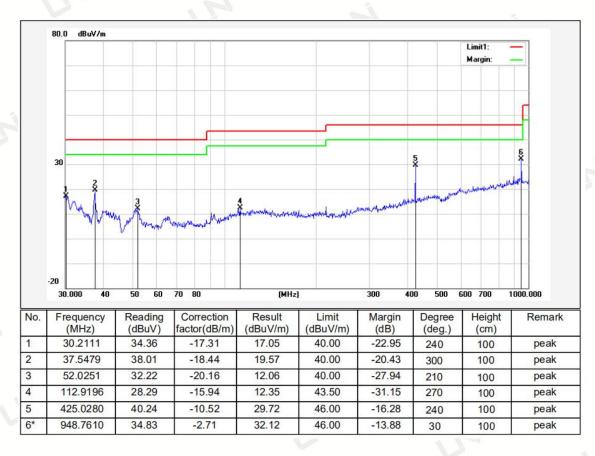
PASS

Remark:

- 1. All modes of work were tested, and only the worst results were reported
- 2. By preliminary testing and verifying three axis (X, Y and Z) position of EUT transmitted status, it was found that "Z axis" position was the worst, and test data recorded in this report.
- 3. Radiated emission test from 9KHz to 10th harmonic of fundamental was verified, and no emission found except system noise floor in 9KHz to 30MHz and not recorded in this report.

Below 1GHz Test Results:

Temperature:	24°C	Relative Humidity:	45%	
Test Date:	Apr. 23, 2021	Pressure:	1010hPa	
Test Voltage:	DC 3.7V	Polarization:	Horizontal	
Test Mode:	Transmitting mode of GFSK 2439MHz			

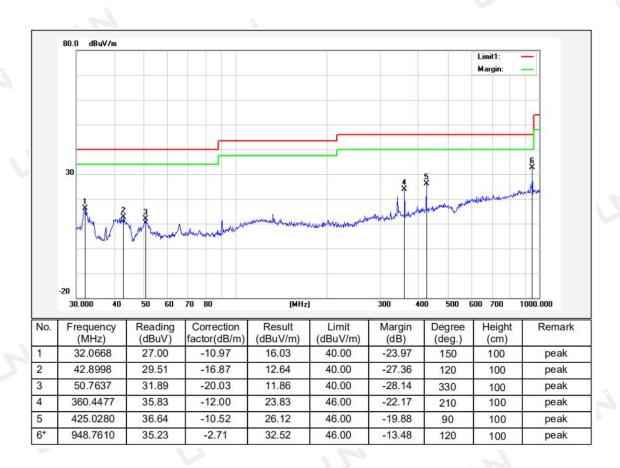


Remark: Absolute Level= Reading Level+ Factor, Margin= Absolute Level – Limit Factor=Ant. Factor + Cable Loss – Pre-amplifier





Temperature:	24°C	Relative Humidity:	45%		
Test Date:	Apr. 23, 2021	Pressure:	1010hPa		
Test Voltage:	DC 3.7V	Polarization:	Vertical		
Test Mode:	Transmitting mode of GFSK 2439MHz				



Remark: Absolute Level= Reading Level+ Factor, Margin= Absolute Level – Limit Factor=Ant. Factor + Cable Loss – Pre-amplifier

Remark:

- (1) Measuring frequencies from 9 KHz to the 1 GHz, Radiated emission test from 9KHz to 30MHzwas verified, and no any emission was found except system noise floor.
- (2) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (3) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz.





Above 1 GHz Test Results: CH Low (2439MHz)

Horizontal:

Result	Factor	Emission Level	Limits	Margin	Detector
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
105.05	-5.71	99.34	114	-15.66	PK
81.42	-5.71	75.71	94	-18.29	AV
60.98	-3.51	57.47	74	-16.53	PK
51.24	-3.51	47.73	54	-6.27	AV
54.27	-0.82	53.45	74	-20.55	PK
47.29	-0.82	46.47	54	-7.53	AV
	105.05 81.42 60.98 51.24 54.27	105.05 -5.71 81.42 -5.71 60.98 -3.51 51.24 -3.51 54.27 -0.82	105.05 -5.71 99.34 81.42 -5.71 75.71 60.98 -3.51 57.47 51.24 -3.51 47.73 54.27 -0.82 53.45	105.05 -5.71 99.34 114 81.42 -5.71 75.71 94 60.98 -3.51 57.47 74 51.24 -3.51 47.73 54 54.27 -0.82 53.45 74	105.05 -5.71 99.34 114 -15.66 81.42 -5.71 75.71 94 -18.29 60.98 -3.51 57.47 74 -16.53 51.24 -3.51 47.73 54 -6.27 54.27 -0.82 53.45 74 -20.55

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier. Margin = Absolute Level - Limit

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2439	106.29	-5.71	100.58	114	-13.42	PK
2439	80.30	-5.71	74.59	94	-19.41	AV
4878	61.34	-3.51	57.83	74	-16.17	PK
4878	50.90	-3.51	47.39	54	-6.61	AV
7317	56.04	-0.82	55.22	74	-18.78	PK
7317	47.31	-0.82	46.49	54	-7.51	AV

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier. Margin= Absolute Level – Limit

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Remark:

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) Data of measurement within this frequency range ,that the value more than 20dB below limit is not record in the form.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHzand video bandwidth is 3MHz for peak measurement with peak detectorat frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHzand video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dBuV/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dBuV/m(PK Value) <54 dBuV/m(AV Limit), the Average Detected not need to completed.
- (7)All modes of operation were investigated and the worst-case emissions are reported.





5 BAND EDGE

5.1 Limits

FCC PART 15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emissionlimits in §15.209, whichever is the lesser attenuation.

5.2 Test Procedure

The band edge compliance of RF radiated emission should be measured by following the guidance in ANSIC63.10 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT issituated in three orthogonal planes (if appropriate), adjusting the measurement antenna height andpolarization etc. Set RBW to 1MHz and VBM to 3MHz to measure the peak field strength and setRBW to 1MHz and VBW to 10Hz to measure the average radiated field strength. The conducted RF band edge was measured by using a spectrum analyzer. Set span wide enough to capture the highest in-band emission and the emission at the band edge. Set RBW to 1MHz and VBW to 3MHz, to measure the conducted peak band edge.

5.3 Test Result

PASS

Radiated Band Edge Test:

Operation Mode: TX CH Low (2439MHz)

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type
2310	44.87	-5.81	39.06	74	-34.94	PK
2310	1	-5.81		54	1	AV
2390	45.81	-5.84	39.97	74	-34.03	PK
2390	1	-5.84	1	54	1	AV
2400	47.39	-5.84	41.55	74	-32.45	PK
2400	L	-5.84	/	54	1	AV

Vertical:

v Ci tiodi.						
Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2310	45.02	-5.81	39.21	74	-34.79	PK
2310	1	-5.81	1	54	1	AV
2390	46.38	-5.84	40.54	74	-33.46	PK
2390	1	-5.84	1	54		AV
2400	47.96	-5.84	42.12	74	-31.88	PK
2400	1	-5.84	1	54	/	AV

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.





Operation Mode: TX CH High (2439MHz)

Horizontal:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2483.5	46.24	-5.65	40.59	74	-33.41	PK
2483.5	1	-5.65	1	54	1	AV
2500	47.89	-5.72	42.17	74	-31.83	PK
2500	1	-5.72	1	54	/	AV
				1 1 1		

Remark: Factor = Antenna Factor + Cable Loss - Pre-amplifier.

Vertical:

Frequency	Reading Result	Factor	Emission Level	Limits	Margin	Detector
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Туре
2483.5	47.26	-5.65	41.61	74	-32.39	PK
2483.5	1	-5.65	1	54	1	AV
2500	47.81	-5.72	42.09	74	-31.91	PK
2500	1	-5.72	1	54	1	AV

Remark: Factor = Antenna Factor + Cable Loss – Pre-amplifier.



6 OCCUPIED BANDWIDTH MEASUREMENT

6.1 Test Setup

Same asRadiated Emission Measurement

6.2 Test Procedure

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Set EUT as normal operation.
- 3. Based on ANSI C63.10 section 6.9.2: RBW=30KHz. VBW=100KHz, Span=3MHz.
- 4. The useful radiated emission from the EUT was detected by the spectrum analyzer with peak detector.

6.3 Measurement Equipment Used

Same asRadiated Emission Measurement

6.4 Test Result

PASS

Frequency (MHz)	20dB Bandwidth (MHz)	Result
2439	1.523	PASS

CH:2439MHz







7 ANTENNA REQUIREMENT

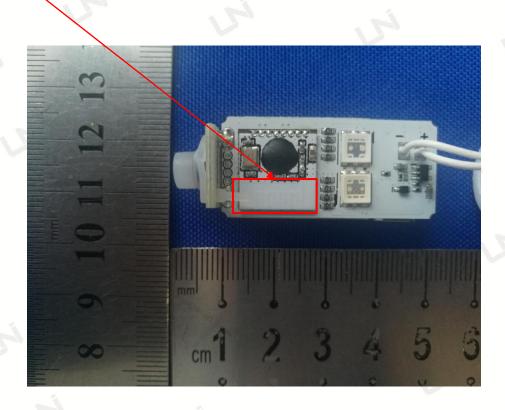
Standard Applicable:

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed toensure that no antenna other than that furnished by the responsible party shall be used with the device.

Antenna Connected Construction

The antenna used in this product is a PCB Antenna, The directional gains of antenna used for transmitting is 1dBi.

ANTENNA:





8 PHOTOGRAPH OF TEST

8.1Radiated Emission







8.2Conducted Emission





End of Report