

Date of Issue: Oct 18, 2017 Report No. : F17081404

FCC 47 CFR PART 15 SUBPART C 15.247 TEST REPORT FOR

UGYM Pro

Model: UG01-BT

Trade Name: U-GYM

Issued to

U-GYM TECHNOLOGY CORP. 2-1, Lane 18, Yanshou st., Taipei City Taiwan

Issued by WH Technology Corp.



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EMC Test Site	Xizhi Office and Lab	7F., No.262, Sec. 3, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)			
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APPENDIX 1 PHOTOS OF TEST CONFIGURATION PHOTOS OF EUT



1. General Information

Applicant	:	U-GYM TECHNOLOGY CORP.
Address	:	2-1, Lane 18, Yanshou st., Taipei City Taiwan
Manufacturer	:	U-GYM TECHNOLOGY CORP.
Address	:	2-1, Lane 18, Yanshou st., Taipei City Taiwan
EUT	:	UGYM Pro
Model Name	:	UG01-BT
Model Differences	:	N/A

Is here with confirmed to comply with the requirements set out in the FCC Rules and Regulations Part 15 Subpart C and the measurement procedures were according to ANSI C63.4-2014. The said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

FCC part 15 subpart C

Receipt Date : 08/14/2017

Final Test Date : 10/18/2017

Tested By:

Oct 18, 2017

Oct 18, 2017 Date

Bell Wei/ Engineer

Date

Reviewed by:

Mike Lee / Manager Designation Number: TW1083



2. Report of Measurements and Examinations

2.1 List of Measurements and Examinations

FCC Rule	Description of Test	Result
15.203	. Antenna Requirement	Pass
15.207	. Conducted Emission	Pass
15.209 15.247(d)	. Radiated Emission	Pass
15.247(a)(2)	. 6dB Bandwidth	Pass
15.247(b)	. Maximum Peak Output Power	Pass
15.247(d)	. 100kHz Bandwidth of Frequency Band Edges	Pass
15.247(e)	. Power Spectral Density	Pass
1.1307 1.1310 2.1091 2.1093	1.1310 2.1091 . RF Exposure Compliance	



3. Test Configuration of Equipment under Test

3.1 Description of the tested samples

EUT Name	: UGYM Pro					
Model Number	UG01-BT					
FCCID	: 2ANWEUG01-BT24969129					
Receipt Date	: 08/14/2017					
Input Voltage	:: 3.7Vdc From Li-ion Battery or 5Vdc From USB Port					
Power From	⊡ Inside Idoutside □Adaptor IdBattery □AC Power Source □DC Power Source IdSupport Unit PC or NB					
Operate Frequency	: Refer to the channel list as described below (2.402 ~2.480 GH	Refer to the channel list as described below (2.402 ~2.480 GHz)				
Modulation Technique	: GFSK					
Number of Channels	: 40					
Channel spacing	: 🗆 N/A 🗹 <u>2 M</u> Hz					
Operating Mode	: □Simplex ☑ Half Duplex					
Antenna Type	: PCB Antenna					
Channel bandwidth	: 2 MHz					
Antenna gain	1.3 dBi					



3.2 Carrier Frequency of Channels

Channel	Frequency(MHz)	Channel	Frequency(MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480



3.3 Test Mode and Test Software

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. The complete test system included Notebook and EUT for RF test.
- c. Test Software: N/A
- d. New Battery was used for all testing and the worst radiated emission case from X,Y and Z axis evaluation was selected for testing.
- e. The following test modes were performed for test:
 - BLE: CH00: 2402MHz, CH20: 2442MHz, CH39: 2480MHz



3.4 TEST Methodology & General Test Procedures

All testing as described bellowed were performed in accordance with ANSI C63.4:2014 and FCC CFR 47 Part 15 Subpart C.

Conducted Emissions

The EUT is placed on a wood table, which is at 0.8 m above ground plane acceding to clause 15.207 and requirements of ANSI C63.4:2014. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz are using CISPR Quasi-Peak / Average detectors.

Radiated Emissions

The EUT is a placed on a turn table, which is 0.8 m above ground plane. The turntable was rotated through 360 degrees to determine the position of maximum emission level. The EUT is placed at 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

- 1) Putting the EUT on the platform and turning on the EUT (on/off button on the bottom of the EUT).
- 2) Setting test channel described as "Channel setting and operating condition", and testing channel by channel.
- For the maximum output power measurement, we followed the method of measurement KDB558074 D01.
- 4) For the spurious emission test based on ANSI(2014), at the frequency where below 1GHz used quasi-peak detector mode; where above 1GHz used the peak and average detector mode. IF the peak value may be under average limit, the average mode will not be performed.



3.5 Measurement Uncertainty

Measurement Item	Uncertainty
Radiated emission	±4.11dB
Peak Output Power(conducted)	±1.38dB
Peak Output Power(Radiated)	±1.70dB
Power Spectral Density	±1.39dB
Radiated emission(3m)	±4.11dB
Radiated emission(10m)	±3.89dB

3.6 Description of the Support Equipments

Setup Diagram

See test photographs attached in appendix 1 for the actual connections between EUT and support equipment.

Support Equipment

Peripherals Devices:

	OUTSIDE SUPPORT EQUIPMENT								
No.	Equipment	Model	Serial No.	FCC ID/	Trade	Data Cable	Power Cord		
INO.	Lquipment	INIOUEI	Senai No.	BSMI ID	name	Data Cable	Fower Cold		
1.	Notebook	HSTNN-Q95C	5CD5514JL	J R3A304	HP	N/A	Unshielded 1.8m		
			INSIDE SUPI	PORT EQUIPN	MENT				
No.	Equipment	Model	Serial No.	FCC ID/	Trade	Data Cable	Power Cord		
INO.	Lquipment	WOder	Senar No.	BSMI ID	name	Data Cable			
1.	Detter	MAXELL N/A	N/A	N/A	N/A	N1/A	N/A		
1.	Dallery	Battery 545478		IN/A	IN/A	N/A	IN/A		

Note: All the above equipment /cable were placed in worse case position to maximize emission signals during emission test

Grounding: Grounding was in accordance with the manufacturer's requirement and conditions for the intended use.



4. Test and measurement equipment

4.1 calibration

The measuring equipment utilized to perform the tests documented in the report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2 equipment

The following list contains measurement equipment used for testing. The equipment conforms to the requirement of CISPR 16-1, ANSI C63.2 and. Other required standards. Calibration of all test and measurement, including any accessories that may effect such calibration, is checked frequently to ensure the accuracy. Adjustments are made and correction factors are applied in accordance with the instructions contained in the respective.



Test Site	Instrument	Manufacturer	Model No.	S/N	Next Cal. Date
	Spectrum (9K3GHz)	R&S	FSP3	833387/01 0	2018/09/20
	EMI Receiver	R&S	ESHS10	830223/00 8	2018/06/06
Conduction	LISN	Rolf Heine Hochfrequenztech nik	NNB-2/16z	98062	2018/06/11
	ISN	Schwarzbeck	8-Wire ISN CAT5	CAT5-8158 -0094	2018/09/21
	RF Cable	N/A	N/A	EMI-3	2017/10/19
	Bilog antenna(30M- 1G)	ETC	MCTD2786B	BLB16M0 4004/JB-5- 004	2018/05/18
	Double Ridged Guide Horn antenna(1G-18 G)	ETC	MCTD 1209	DRH15N0 2009	2017/11/23
	Horn antenna (18G-26G)	com-power	AH-826	81000	2018/08/16
Radiation	LOOP Antenna (Below 30M)	com-power	AL-130	17117	2018/10/04
	Pre amplifier (30M-1G)	EMC INSTRUMENT	EMC9135	980334	2018/05/03
	Microwave Preamplifier (1G-18G)	EMC INSTRUMENT	EMC051845	980108&A T -18001	2017/10/23
	Pre amplifier (18G~26G)	MITEQ	JS4-18002600-30- 5A	808329	2018/08/09
	EMI Test	R&S	ESVS30	826006/002	2017/11/28



	Receiver		(20M-1000MHz)			
	RF Cable	EMCI	N male on end of	30m	2017/10/19	
	(open site)	EWICI	both sides (EMI4)	3011	2017/10/19	
	RF CABLE	HARBOUT	LL142MI(4M+4M)	NA	2018/04/17	
	(1~26G)	INDUSTRIES		INA	2010/04/17	
	RF CABLE	HARBOUR	LL142MI(7M)	NA	2018/08/09	
	(1~26G)	INDUSTRIES		INA	2010/00/09	
	Spectrum	R&S	FSP7	830180/006	2018/04/14	
	(9K7GHz)	Kas	1.21 /	850180/000	2010/04/14	
	Spectrum	AGILENT	8564EC	4046A0032	2019/02/01	
	(9K40GHz)	AGILENI	8304EC	4040A0052	2018/03/01	
Software	e3	AUDIX	N/A	N/A	N/A	
	SINGAL			2610110042		
SG	GENTERATOR	HP	8648A	3619U0042	N/A	
	(100k-1GHz)			6		

*CALIBRATION INTERVAL OF INSTRUMENTS LISTED ABOVE IS ONE YEAR



5. Antenna Requirements

5.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, 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.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

5.2 Antenna Construction and Directional Gain

BLE:

Antenna Type: Helix Antenna Antenna Gain: 1 dBi



6. Test of Conducted Emission

6.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2014 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB µ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

*Decreases with the logarithm of the frequency.

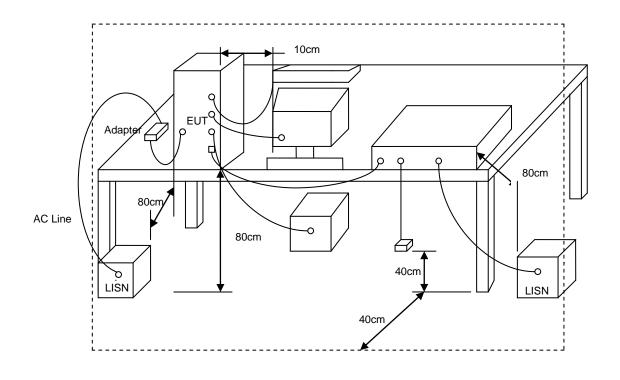
6.2 Test Procedures

- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- c. All the support units are connecting to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- f. Both sides of AC line were checked for maximum conducted interference.
- g. The frequency range from 150 kHz to 30 MHz was searched.
- h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



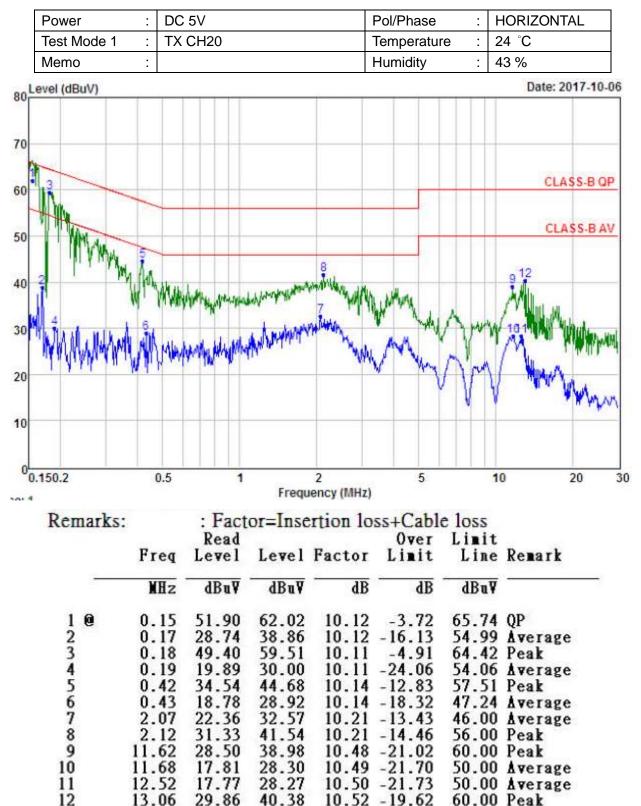
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6.3 Typical Test Setup

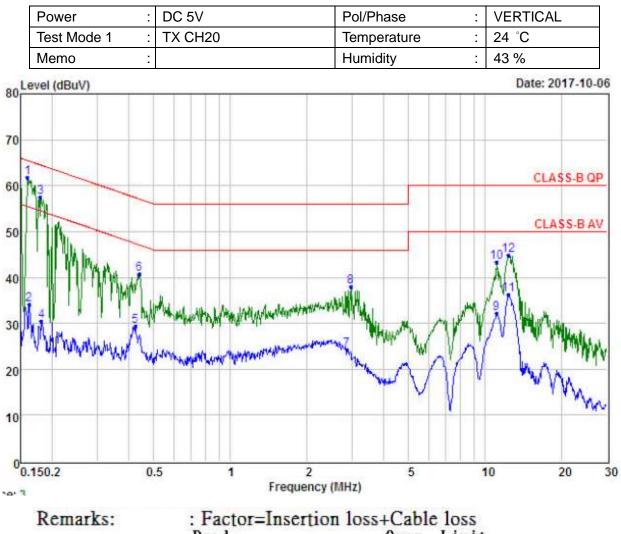




6.4 Test Result and Data







Remarks:		: Pact	or=inse	ertion lo	ss+Cadi	e loss	
	Freq	Read Level	Level	Factor	Over Limit	Limit Line	Remark
	MHz	dBu¥	dBu∛	dB	dB	dBu¥	
10	0.16	51.56	61.75	10.19	-3.72	65.47	Peak
2	0.16	23.95	34.14	10.19	-21.20	55.34	Average
3	0.18	47.25	57.44	10.19	-7.06	64.50	Peak
4	0.18	20.19	30.38	10.19	-24.04	54.42	Average
5	0.42	19.25	29.48	10.23	-17.89	47.37	Average
6	0.44	30.52	40.75	10.23	-16.32	57.07	
7	2.87	13.83	24.20	10.37	-21.80	46.00	Average
1 @ 2 3 4 5 6 7 8 9	2.96	27.59	37.97	10.38	-18.03	56.00	Peak
9	11.08	21.50	32.12	10.62	-17.88	50.00	Average
10	11.08	32.74	43.36	10.62	-16.64	60.00	Peak
11	12.32	25.60	36.24	10.64	-13.76	50.00	Average
12	12.38	34.15	44.79	10.64	-15.21	60.00	



7. Test of Radiated Emission

7.1 Test Limit

In any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter measurement is based on the maximum conducted output power, the attenuation required under this paragraph shall be 30dB instead of 20dB. In addition, radiated emissions which fall in section 15.205(a) the restricted bands must also comply with the radiated emission limit specified in section 15.209(a).

Frequency (MHz)	Field Strength (microvolt/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

7.2 Test Procedures

- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in

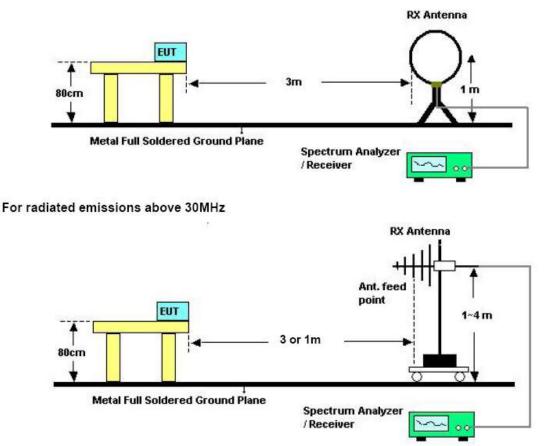


average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

i. "Cone of radiation" has been considered to be 3dB bandwidth of the measurement antenna.

7.3 Typical Test Setup

For radiated emissions below 30MHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade from 3m to 1m.

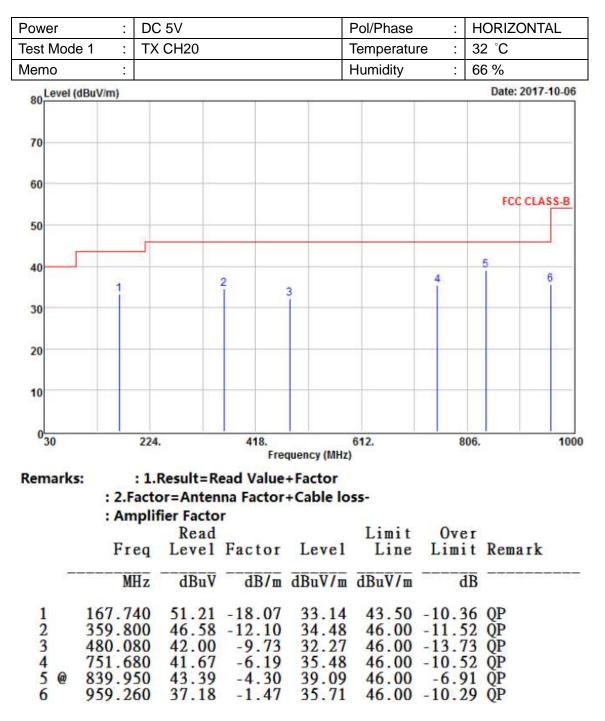
Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1m]) (dB); Limit line = specific limits (dBuV) + distance extrapolation factor [9.54 dB].



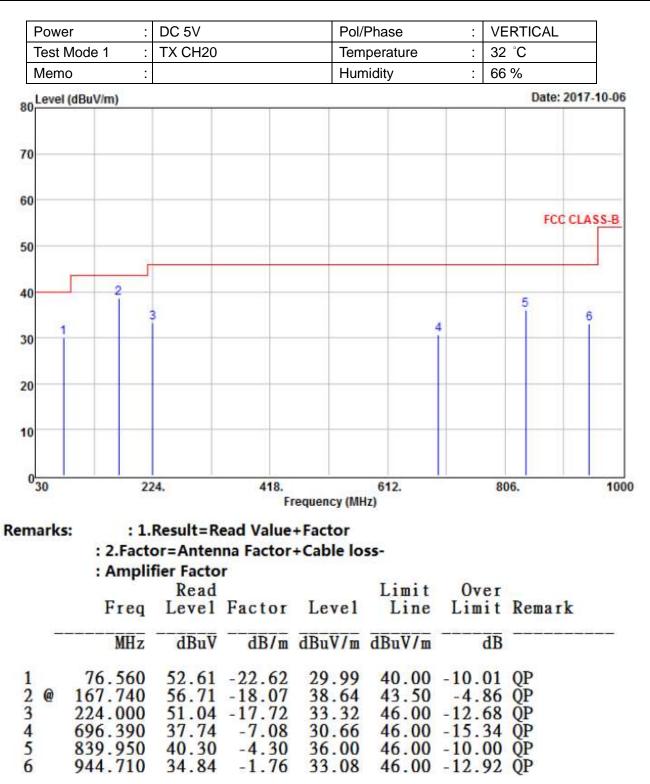
7.4 Test Result and Data (9kHz ~ 30MHz)

The 9kHz - 30MHz spurious emission is under limit 20dB more.

7.5 Test Result and Data (30MHz ~ 1GHz, worst emissions found)

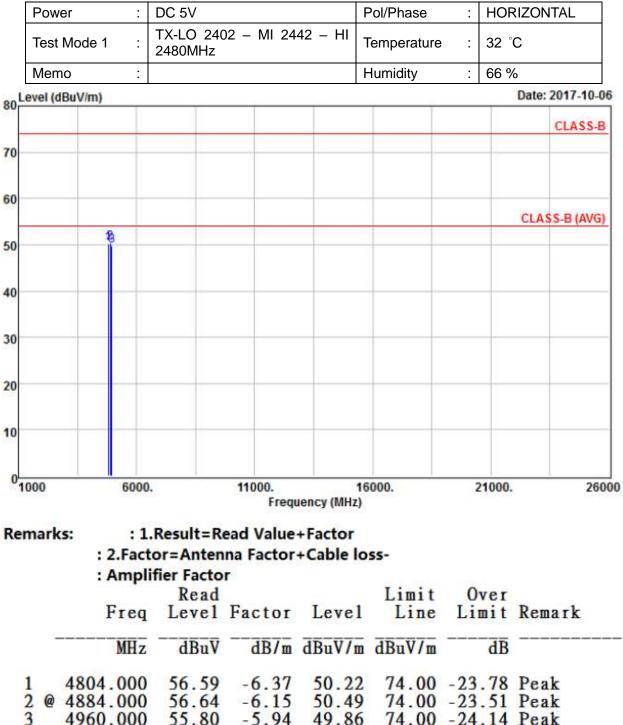




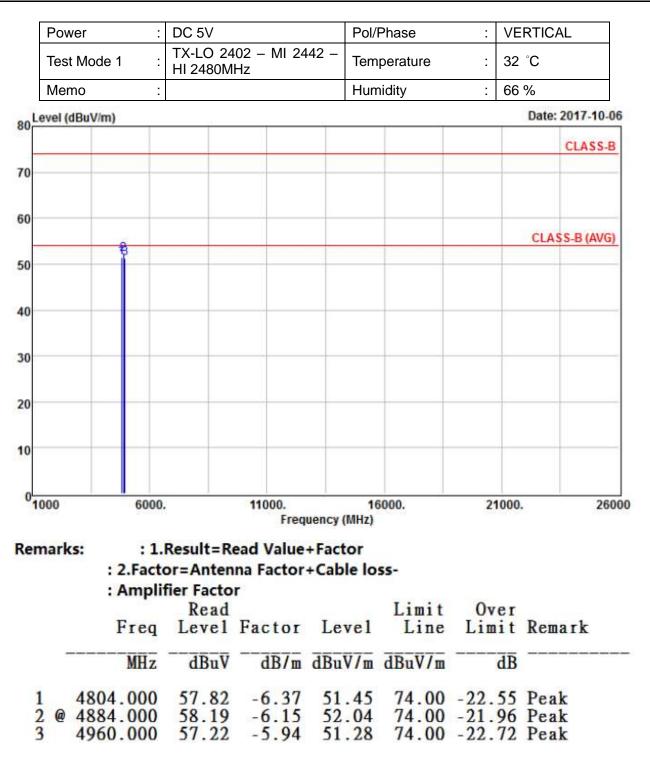




7.6 Test Result and Data (Above 1GHz)









8. 6dB Bandwidth Measurement Data

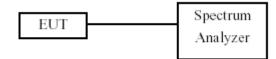
8.1 Test Limit

The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

8.2 Test Procedures

- a. The transmitter output was connected to the spectrum analyzer.
- b. Set RBW of spectrum analyzer to 1~5% of the emission bandwidth and VBW \ge 3x RBW.
- c. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.
- d. The 6dB Bandwidth was measured and recorded.

8.3 Test Setup Layout





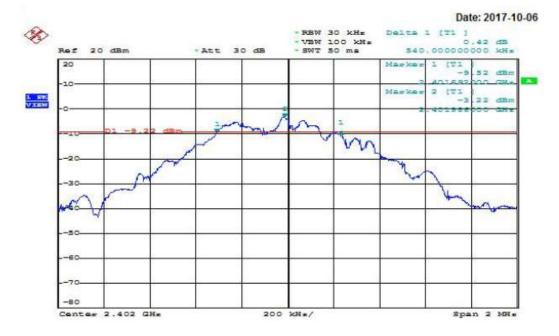
8.4 Test Result and Data

Test Date: 2017.10.06 Atmospheric pressure: 1001 pha Temperature: $25^{\circ}C$

Humidity: 58%

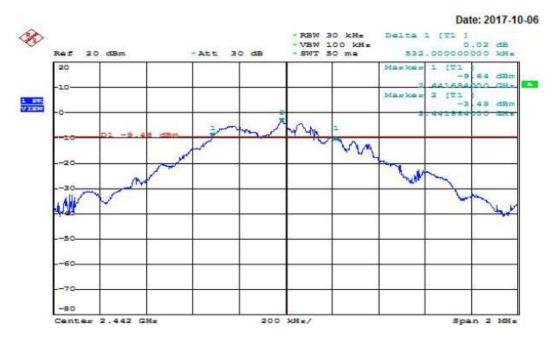
Modulation Standard	Channel	Frequency (MHz)	6dB Bandwidth (MHz)
GFSK (1Mbps)	0	2402	0.54
	K (1Mbps) 20		0.532
	39	2480	0.54

Modulation Standard: GFSK (1Mbps) Channel: 0

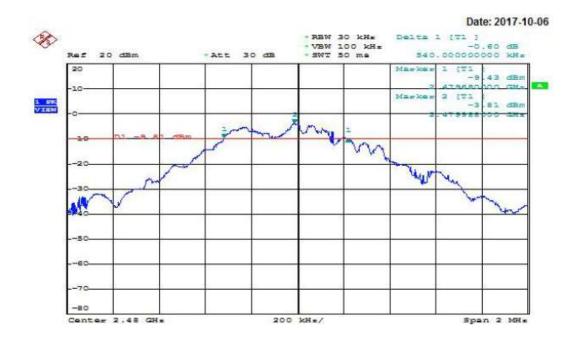




Modulation Standard: GFSK (1Mbps) Channel: 20



Modulation Standard: GFSK (1Mbps) Channel: 39





9. Maximum Peak and Average Output Power

9.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

9.2 Test Procedures

- a. Peak power is measured using the wideband power meter.
- b. Power is integrated over a bandwidth greater than or equal to the 99% bandwidth.
- c. The Peak and Average Output Power was measured and recorded.

9.3 Test Setup Layout





9.4 Test Result and Data

Test Date: 2017.10.06 Atmospheric pressure: 1001 pha Temperature: 25°C Humidity: 58%

Modulation Standard	Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
	0	2402	1.10	1.289
GFSK (1Mbps)	20	2442	1.24	1.330
(Tivips)	39	2480	0.58	1.143

Modulation Standard	Channel	Frequency (MHz)	Average Power Output (dBm)	Average Power Output (mW)
	0	2402	0.07	1.015
GFSK (1Mbps)	20	2442	0.12	1.028
(Twops)	39	2480	-0.41	0.91



10. Power Spectral Density

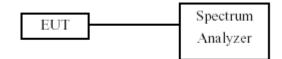
10.1 Test Limit

The Maximum of Power Spectral Density Measurement is 8dBm

10.2 Test Procedures

- a. The transmitter output was connected to spectrum analyzer.
- b. The spectrum analyzer's resolution bandwidth were set at 3KHz RBW and 30KHz VBW as that of the fundamental frequency. Set the sweep time=auto couple.
- c. The power spectral density was measured and recorded.

10.3 Test Setup Layout





10.4 Test Result and Data

Test Date: 20	17.10.06

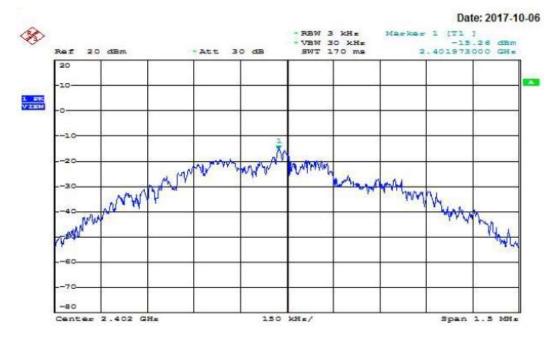
Atmospheric pressure: 1001 pha

Temperature: 25° C

Humidity: 58%

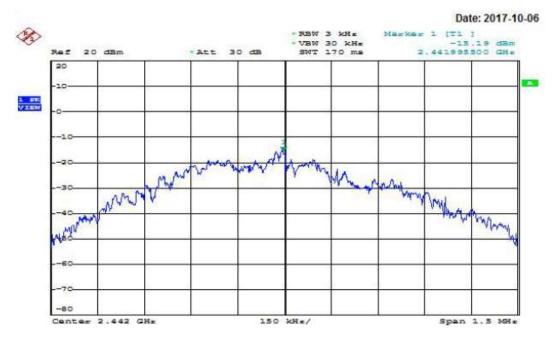
Modulation Standard	Channel	Frequency (MHz)	Measured Power Density (dBm)
	0	2402	-15.26
GFSK (1Mbps)	20	2442	-15.19
	39	2480	-14.94

Modulation Standard: GFSK (1Mbps) Channel: 0

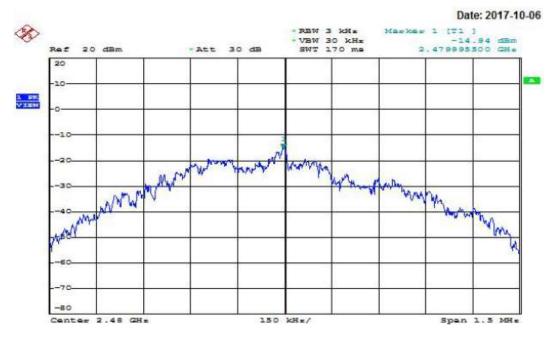




Modulation Standard: GFSK (1Mbps) Channel: 20



Modulation Standard: GFSK (1Mbps) Channel: 39





11. Band Edges Measurement

11.1 Test Limit

Below –20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

11.2 Test Procedure

- a. The transmitter output was connected to the spectrum analyzer via a low lose cable.
- b. Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- c. Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20dB relative to the maximum measured in-band peak PSD level.
- d. The band edges was measured and recorded.

11.3 Test Setup Layout





Date of Issue: Oct 18, 2017 Report No. : F17081404

11.4 Test Result and Data

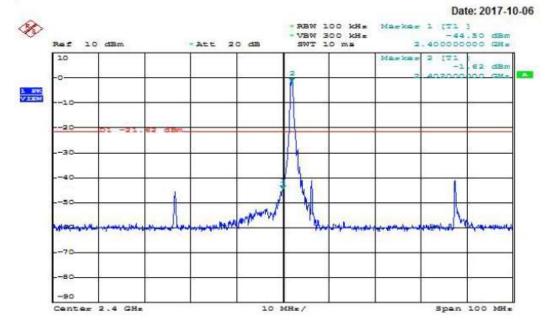
Test Date: 2017.10.06 Atmospheric pressure: 1001 pha Temperature: 25℃

Humidity: 58%

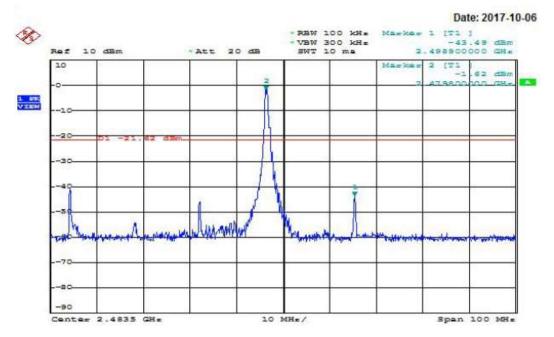
Modulation Standard	Channel	Frequency (MHz)	maximum value in frequency (MHz)	maximum value (dBm)
GFSK (1Mbps)	0	2402	2400.00	-44.50
	39	2480	2498.90	-43.49



Modulation Standard: GFSK (1Mbps) Channel: 0



Modulation Standard: GFSK (1Mbps) Channel: 39





11.5 Restrict Band Emission Measurement Data

Power :	DC 5V	Pol/Phase :	H/V
Test Mode 1 :	GFSK	Temperature :	25 °C
Test Date :	2017.10.06	Humidity :	58 %
Memo :			

Channel 0	Channel 0 Fundamental Frequency: 2402 MHz									
Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result (dBuV/m)	Remark	Limit (dE Peak	BuV/m) Ave	Margin (dB)	Table Deg.	Ant High (m)
2376.7	Н	61.61	-14.08	47.53	Peak	74	54	-26.47	163	1.50
	Н				Ave	74	54			
2376.9	V	65.73	-14.08	51.65	Peak	74	54	-22.35	174	1.50
	V				Ave	74	54			
Channel 39							Fundam	ental Freq	uency: 2	480 MHz
Frequency	Ant-Pol	Meter	Corrected	Result	Dement	Limit (dBuV/m)		Margin	Table	Ant High
(MHz)	H/V	Reading (dBuV)	Factor (dB)	(dBuV/m)	Remark	Peak	Ave	(dB)	Deg.	(m)
2495.7	Н	62.75	-13.80	48.95	Peak	74	54	-25.05	157	1.50
	Н				Ave	74	54			
2495.3	V	66.13	-13.80	52.33	Peak	74	54	-21.67	164	1.50
	V				Ave	74	54			

Note:

- 1. Emission level = Reading level + Correction factor
- 2. Correction factor : Antenna factor, Cable loss, Pre-Amp, etc.
- All emissions as described above were determining by rotating the EUT through three orthogonal axes to maximizing the emissions if the EUT belongs to hand-held or body-worn devices.
- Measurements above 1000 MHz, Peak detector setting: 1 MHz RBW with 1 MHz VBW (Peak Detector).
- Measurements above 1000 MHz, Average detector setting: 1 MHz RBW with 1 MHz VBW (RMS Detector).
- 6. Peak detector measurement data will represent the worst case results.
- 7. Where limits are specified for both average and peak detector functions, if the peak measured value complies with the average limit, it is unnecessary to perform an average measurement.



12. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 - 0.11000	16.42000 – 16.42300	399.9 - 410.0	4.500 – 5.150
0.49500 - 0.505**	16.69475 – 16.69525	608.0 - 614.0	5.350 - 5.460
2.17350 - 2.19050	16.80425 – 16.80475	960.0 - 1240.0	7.250 – 7.750
4.12500 - 4.12800	25.50000 - 25.67000	1300.0 – 1427.0	8.025 - 8.500
4.17725 – 4.17775	37.50000 - 38.25000	1435.0 – 1626.5	9.000 - 9.200
4.20725 – 4.20775	73.00000 - 74.60000	1645.5 – 1646.5	9.300 - 9.500
6.21500 - 6.21800	74.80000 - 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 - 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 - 138.00000	2200.0 - 2300.0	14.470 – 14.500
8.29100 - 8.29400	149.90000 - 150.05000	2310.0 - 2390.0	15.350 – 16.200
8.36200 - 8.36600	156.52475 – 156.52525	2483.5 - 2500.0	17.700 – 21.400
8.37625 - 8.38675	156.70000 - 156.90000	2655.0 - 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 - 167.17000	3260.0 - 3267.0	23.600 - 24.000
12.29000 - 12.29300	167.72000 - 173.20000	3332.0 - 3339.0	31.200 - 31.800
12.51975 – 12.52025	240.00000 - 285.00000	3345.8 - 3358.0	36.430 - 36.500
12.57675 – 12.57725	322.00000 - 335.40000	3600.0 - 4400.0	Above 38.6
13.36000 - 13.41000			

**: Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

12.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.