



Т	EST REPORT
Report Reference No:	TRE1709023205 R/C: 36935
FCC ID:	ZSW-30-055
Applicant's name:	b mobile HK Limited
Address	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.
Manufacturer	b mobile HK Limited
Address	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.
Test item description:	Mobile Phone
Trade Mark	Bmobile
Model/Type reference	AX1071
Listed Model(s)	AX1072
Standard:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of receipt of test sample:	Sep.28, 2017
Date of testing	Sep.29, 2017 - Oct.15, 2017
Date of issue	Oct.16, 2017
Result	PASS
Compiled by (Position+Printed name+Signature):	File administrators Candy Liu
Supervised by (Position+Printed name+Signature):	Project Engineer : Edward Pan RF Manager Hans Hu
Approved by (Position+Printed name+Signature):	RF Manager Hans Hu
Testing Laboratory Name:	Shenzhen Huatongwei International Inspection Co., Ltd.
Address	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China
Shenzhen Huatongwei International	Inspection Co., Ltd. All rights reserved.
Shenzhen Huatongwei International Ins	whole or in part for non-commercial purposes as long as the spection Co., Ltd. is acknowledged as copyright owner and source International Inspection Co., Ltd. takes no responsibility for and will

Shenzhen Huatongwei International Inspection Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen Huatongwei International Inspection Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

The test report merely correspond to the test sample.

Contents

<u>1.</u>	TEST STANDARDS AND REPORT VERSION	3
1.1.	Test Standards	3
1.2.	Report version	3
<u>2.</u>	TEST DESCRIPTION	4
<u>3.</u>	SUMMARY	5
3.1.	Client Information	5
3.2.	Product Description	5
3.3.	Operation state	6
3.4.	EUT configuration	6
3.5.	Modifications	6
<u>4.</u>	TEST ENVIRONMENT	77
4.1.	Address of the test laboratory	7
4.2.	Test Facility	7
4.3.	Environmental conditions	8
4.4.	Statement of the measurement uncertainty	8
4.5.	Equipments Used during the Test	9
<u>5.</u>	TEST CONDITIONS AND RESULTS	10
5.1.	Antenna Requirement	10
5.2.	Conducted Emissions (AC Main)	11
5.3.	Conducted Peak Output Power	14
5.4.	Power Spectral Density	15
5.5.	6dB bandwidth	17
5.6.	Restricted band	19
5.7.	Band edge and Spurious Emissions (conducted)	23
5.8.	Spurious Emissions (radiated)	31
<u>6.</u>	TEST SETUP PHOTOS	35
<u>7.</u>	EXTERANAL AND INTERNAL PHOTOS	36

1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

ANSI C63.10:2013: American National Standard for Testing Unlicensed Wireless Devices

<u>KDB 558074 D01 DTS Meas Guidance v04:</u> Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating under §15.247

1.2. Report version

Version No.	Date of issue	Description
00	Oct.16, 2017	Original

2. TEST DESCRIPTION

Test Item	FCC Rule	Result	Test Engineer
Antenna requirement	15.203/15.247(c)	Pass	William Wang
Line Conducted Emissions (AC Main)	15.207	Pass	William Wang
Conducted Peak Output Power	15.247(b)(3)	Pass	William Wang
Power Spectral Density	15.247(e)	Pass	William Wang
6dB Bandwidth	15.247(a)(2)	Pass	William Wang
Restricted band	15.247(d)/15.205	Pass	William Wang
Spurious Emissions	15.247(d)/15.209	Pass	William Wang

Note: The measurement uncertainty is not included in the test result.

3. SUMMARY

3.1. Client Information

Applicant:	b mobile HK Limited
Address: Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak S Kwai Chung; New Territories; Hong Kong.	
Manufacturer:	b mobile HK Limited
Address:	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.

3.2. Product Description

Name of EUT:	Mobile Phone	
Trade Mark:	Bmobile	
Model No.:	AX1071	
Listed Model(s):	AX1072	
IMEI 1:	356844077425636	
IMEI 2:	3212222222228	
Power supply:	DC 3.8V From exchange battery	
Adapter information:	Input: 100-240Va.c., 50/60Hz, 0.2A Output: 5Vd.c.,1A	
Hardware version:	V00	
Software version:	MX2135FA_B25_E5017_SA22_N_V01_170915	
Bluetooth		
Version:	Supported BT4.0+BLE	
Modulation:	GFSK	
Operation frequency:	2402MHz~2480MHz	
Channel number:	40	
Channel separation:	2MHz	
Antenna type:	PIFA Antenna	
Antenna gain:	0.5dBi	

3.3. Operation state

Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channel which were tested. the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the above gray bottom.

Channel	Frequency (MHz)
00	2402
01	2404
:	÷
19	2440
:	:
38	2478
39	2480

Test mode

For RF test items

The engineering test program was provided and enabled to make EUT continuous transmit (duty cycle>98%).

For AC power line conducted emissions:

The EUT was set to connect with the Bluetooth instrument under large package sizes transmission.

For RF test axis

EUT in each of three orthogonal axis emissions had been tested ,but only the worst case (X axis) data Recorded in the report.

3.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- supplied by the manufacturer
- supplied by the lab

	Manufacturer:	/
7	Model No.:	/
1	Manufacturer:	/
7	Model No.:	/

3.5. Modifications

No modifications were implemented to meet testing criteria.

4. TEST ENVIRONMENT

4.1. Address of the test laboratory

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd. Address: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

4.2. Test Facility

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No.: 3902.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 762235

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files.

IC-Registration No.:5377B-1

Two 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No.: 5377B-1.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

4.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba

4.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors in calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report according to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement characteristics; Part 2" and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd. quality system according to ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Here after the best measurement capability for Shenzhen Huatongwei International Inspection Co., Ltd. is reported:

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.57 dB	(1)
Transmitter power Radiated	2.20 dB	(1)
Conducted spurious emissions 9kHz~40GHz	1.60 dB	(1)
Radiated spurious emissions 9kHz~40GHz	2.20 dB	(1)
Conducted Emissions 9kHz~30MHz	3.39 dB	(1)
Radiated Emissions 30~1000MHz	4.24 dB	(1)
Radiated Emissions 1~18GHz	5.16 dB	(1)
Radiated Emissions 18~40GHz	5.54 dB	(1)

 This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4.5. Equipments Used during the Test

Condu	Conducted Emissions					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	
1	Artificial Mains	Rohde&Schwarz	ESH2-Z5	100028	2016/11/13	
2	EMI Test Receiver	Rohde&Schwarz	ESCI3	100038	2016/11/13	
3	Pulse Limiter	Rohde&Schwarz	ESHSZ2	100044	2016/11/13	
4	EMI Test Software	Rohde&Schwarz	ES-K1 V1.71	-	-	

Radiated Emissions					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI test receiver	Rohde&Schwarz	ESI 26	100009	2016/11/13
2	Loop Antenna	Rohde&Schwarz	HFH2-Z2	100020	2016/11/13
3	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	2016/11/13
4	Horn antenna	ShwarzBeck	9120D	1011	2016/11/13
5	Horn Antenna	SCHWARZBECK	BBHA9170	25841	2016/11/13
6	Amplifier	Sonoma	310N	E009-13	2016/11/13
7	JS Amplifier	Rohde&Schwarz	JS4-00101800- 28-5A	F201504	2016/11/13
8	Amplifier	Compliance Direction systems	PAP1-4060	120	2016/11/13
9	High pass filter	Compliance Direction systems	BSU-6	34202	2016/11/13
10	EMI test Software	Rohde&Schwarz	ESK1	-	-
11	EMI test Software	Audix	E3	-	-
12	TURNTABLE	MATURO	TT2.0	-	-
13	ANTENNA MAST	MATURO	TAM-4.0-P	-	-

RF Co	onducted methods				
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Spectrum Analyzer	Rohde&Schwarz	FSP	1164.4391.40	2016/11/13
2	MXA Signal Analyzer	Agilent Technologies	N9020A	MY5050187	2016/11/13

The Cal.Interval was one year.

5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

<u>Requirement</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responseble 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.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

TEST RESULTS

☑ Passed □ Not Applicable

The directional gain of the antenna less than 6 dBi, please refer to the below antenna photo.



5.2. Conducted Emissions (AC Main)

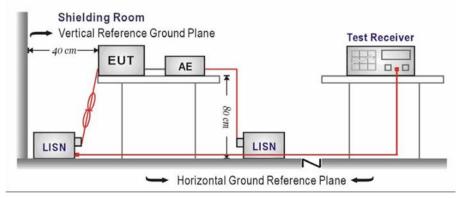
<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.207

	Limit (d	BuV)
Frequency range (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.

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was setup according to ANSI C63.10:2013 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

TEST MODE:

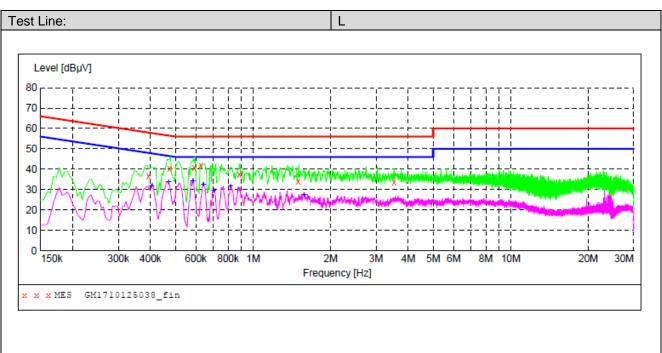
Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

Note:

- 1) Transd = Cable lose + Pulse Limiter Factor + Artificial Mains Factor
- 2) Margin = Limit Level



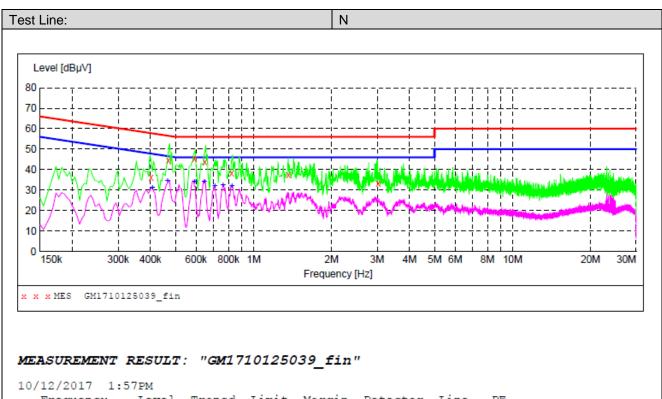
MEASUREMENT RESULT: "GM1710125038_fin"

10/12/2017 1:54PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.393000	36.70	10.2	58	21.3	QP	L1	GND
0.474000	40.30	10.2	56	16.1	QP	ь1	GND
0.591000	40.70	10.2	56	15.3	QP	ь1	GND
0.627000	42.00	10.2	56	14.0	QP	ь1	GND
0.883500	37.30	10.1	56	18.7	QP	ь1	GND
1.500000	34.10	10.2	56	21.9	QP	L1	GND
3.525000	33.80	10.3	56	22.2	QP	L1	GND

MEASUREMENT RESULT: "GM1710125038_fin2"

10/12/2017 1	:54PM							
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE	
MHz	dBµV	dB	dBµV	dB				
0.402000	31.50	10.2	48	16.3	AV	L1	GND	
0.469500	33.80	10.2	47	12.7	AV	L1	GND	
0.582000	34.20	10.2	46	11.8	AV	L1	GND	
0.640500	32.50	10.2	46	13.5	AV	L1	GND	
0.703500	29.60	10.2	46	16.4	AV	L1	GND	
0.816000	31.40	10.2	46	14.6	AV	L1	GND	
1.576500	27.30	10.2	46	18.7	AV	L1	GND	



Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.402000	36.00	10.2	58	21.8	QP	N	GND
0.469500	44.70	10.2	57	11.8	QP	N	GND
0.591000	45.30	10.2	56	10.7	QP	N	GND
0.649500	43.70	10.2	56	12.3	QP	N	GND
0.825000	38.40	10.2	56	17.6	QP	N	GND
1.365000	37.50	10.2	56	18.5	QP	N	GND
3.025500	33.30	10.2	56	22.7	QP	N	GND

MEASUREMENT RESULT: "GM1710125039_fin2"

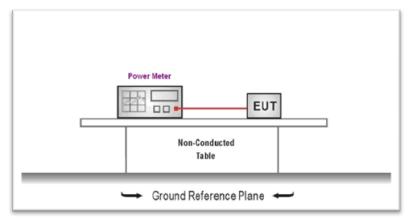
10/12/2017 1	:57PM						
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dBµV	dB	dBµV	dB			
0.406500	31.20	10.2	48	16.5	AV	N	GND
0.465000	34.50	10.2	47	12.1	AV	N	GND
0.591000	33.90	10.2	46	12.1	AV	N	GND
0.645000	33.90	10.2	46	12.1	AV	N	GND
0.708000	31.80	10.2	46	14.2	AV	N	GND
0.762000	32.60	10.2	46	13.4	AV	N	GND
0.825000	32.10	10.2	46	13.9	AV	N	GND

5.3. Conducted Peak Output Power

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3): 30 dBm

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was tested according to ANSI C63.10: 2013 and KDB 558074 D01 for compliance to FCC 47 CFR 15.247 requirements.
- 2. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
- 3. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.
- 4. Record the measurement data.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

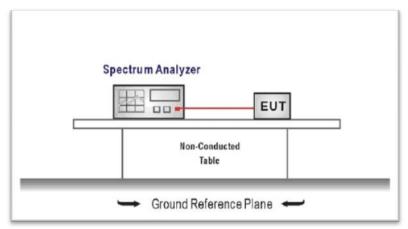
Туре	Channel	Output power (dBm)	Limit (dBm)	Result
	00	4.892		
BT-BLE	19	5.607	≤30.00	Pass
	39	5.052		

5.4. Power Spectral Density

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input,
- Configure the spectrum analyzer as shown below: Center frequency=DTS channel center frequency Span =1.5 times the DTS bandwidth RBW = 3 kHz ≤ RBW ≤ 100 kHz, VBW ≥ 3 × RBW Sweep time = auto couple Detector = peak Trace mode = max hold
- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter wave form on the spectrum analyzer.
- 4. Use the peak marker function to determine the maximum amplitude level within the RBW.
- 5. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

Туре	Channel	Power Spectral Density(dBm/RBW)	Limit (dBm/RBW)	Result
	00	-10.414		
BT-BLE	19	-9.574	≤8.00	Pass
	39	-10.195		

Test plot as follows:

Shenzhen Huatongwei International Inspection Co., Ltd.

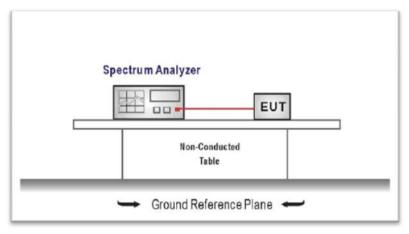
	Agilerit Spectrum Analyzer - Swept SA
	0 RL 8F [50.6 AC] SPISE_PLASE ALISAMOTO [04:01:17PM Sig-30, 2017] Center Freq 2.4.02/2010/00.00 GHz
	IFGaint.ov #Atten: 10 dB Comparative Auto Tune Ref Offset1 dB Mkr1 2.401 892 GHz Auto Tune
	900 130 2402000000 GH2 250 M/ M MM M
	200 MAN AWATTATATATATATATATATATATATATATATATATAT
CH00	230 Stop Freq
	40 0 2.40250000 GHz
	2930 CF Step 100.000 kHz Auto Man
	Freq Offset OH2
	Center 2.4020000 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 105.5 ms (1001 pts)
	MSG STATUS
	Addent Spectrum Analyzer - Smart SA U. R.L. pr S0 Q AC SPISE-PLLSE ALIGUAUTO 0442411PM Stp 20,2017 Center Freq 2.4400000000 GHz FR0: Wide → Trig: Free Run Avg Heid: 100/100 1794 2 4 5 2 FR0: Wide → Trig: Free Run Avg Heid: 100/100 1794 2 4 5 2 4
	Infiginitiew #Atten: 20 dB Organization Auto Tune 10 dB/div Ref 0ffset 1 dB -9.574 dBm Auto Tune
	Center Freq
	2.44000000 GHz
	2.00 19.5 2.439500000 GHz
CH19	525 Stop Freq 2.44060000 GHz
	59.5 CF Step
	43.5 100.000 kHz 68.5
	69.5 Freq Offset
	73.5
	Center 2.4400000 GHz Span 1.000 MHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 105.5 ms (1001 pts)
	1950 [STATUS] Addimit Spectrum Analyzer : Swept SA U RL 96 [S0:0_AC SPICESPLISE ALIXVA/TO 04:06:29PM Stp.20, 2017
	0 RL 6F 1990 AC SPEEPASE ALSAUTO 1046059M5003.2012 Frequency Center Freq 2.4800000000 CHz March 2 Trig: Free Run Avgiteld: 100/100 tree Frequency Fig: Freq State: 20 AS SPEEPASE FreqUency Avgiteld: 100/100 tree Frequency
	Ref Offset 1 dB Mkr1 2.479 892 GHz Auto Tune 10 dBldiv Ref 10.50 dBm -10.195 dBm
	050 Center Freq 2.48000000 GHz
	9.50 Start Freq
	9.50 19.5
CH39	235 1 1 1 1 1 1 1 1 1 1
	CF Step
	505 <u>Auto</u> Man
	605 Freq Offset
	Center 2.4800000 GHz Span 1.000 MHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 105.5 ms (1001 pts)
	MIG

5.5. 6dB bandwidth

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2): For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

TEST CONFIGURATION



TEST PROCEDURE

- 1. Connect the antenna port(s) to the spectrum analyzer input.
- 2. Configure the spectrum analyzer as shown below (enter all losses between the transmitter output and the spectrum analyzer).

Center Frequency =DTS channel center frequency Span=2 x DTS bandwidth RBW = 100 kHz, VBW ≥ 3 × RBW Sweep time= auto couple Detector = Peak Trace mode = max hold

- 3. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- 4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission, and record the pertinent measurements.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

Туре	Channel	6dB Bandwidth(kHz)	Limit (kHz)	Result
	00	0.6852		
BT-BLE	19	0.5877	≥500	Pass
	39	0.6705		

Test plot as follows:

Shenzhen Huatongwei International Inspection Co., Ltd.

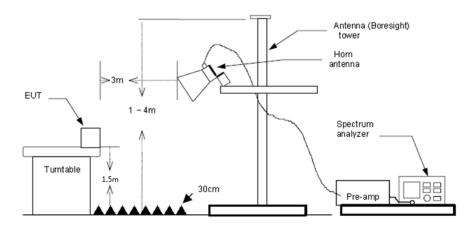
1	
	Addret Spectrum Analyze: Discupied BW Spectrum 2 ALX20000000 Frequency 0 BL 69 / 90 / 90 / 90 / 90 / 90 / 90 / 90 /
	#IFGain:Low #Atten: 20 dB Radio Device: BTS
	10 dB/div Ref 11.00 dBm
	2.402000000 GHz
CH00	
	Center 2.402 GHz Span 2 MHz CF Step #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms 200.000 kHz
	Occupied Bandwidth Total Power 8.33 dBm
	1.0411 MHz Freq Offset Transmit Freq Error 109 Hz OBW Power 99.00 % 0 Hz
	x dB Bandwidth 685.2 kHz x dB -6.00 dB
	MG STATUS
	Aglient Spectrum Analyzer - Decupied RW
	Center Freq 2.440000000 GHz Center Freq 2.44000000 GHz Radio Std: None Prequency
	Reformet 1 dB Mkr1 2.44 GHz
	2.44000000 GHz
	190 mar and the second se
CH19	
	Center 2.44 GHz Span 2 MHz CF Step #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms 200.000 kHz
	Occupied Bandwidth Total Power 9.25 dBm
	1.0352 MHz Freq Offset Transmit Freq Error -1.559 kHz OBW Power 99.00 % 0 Hz
	x dB Bandwidth 587.7 kHz x dB -6.00 dB
	MG STATUS
	Aglent Spectrum Analyzer - Occupied BW
	Center Freq 2.480000000 GHz Center Freq 2.48000000 GHz Radio Std: None Frequency
	10 dB/div Ref 11.00 dBm
	2.00 2.480000000 GHz
	130 Way of the second s
CH39	
	Center 2.48 GHz Span 2 MHz Span 2 MHz #VBW 300 kHz Sweep 1.067 ms 200.000 kHz
	Occupied Bandwidth Total Power 8.70 dBm
	1.0418 MHz Freq Offset
	Transmit Freq Error -7.760 kHz OBW Power 99.00 % 0 Hz x dB Bandwidth 670.5 kHz x dB -6.00 dB 6.00 dB<
	MSG STATUS

5.6. Restricted band

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, Radiated Emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the Radiated Emissions limits specified in §15.209(a) (see §15.205(c)).

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
- 2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
- The receiver set as follow: RBW=1MHz, VBW=3MHz Peak detector for Peak value. RBW=1MHz, VBW=3MHz RMS detector for Average value.

TEST MODE:

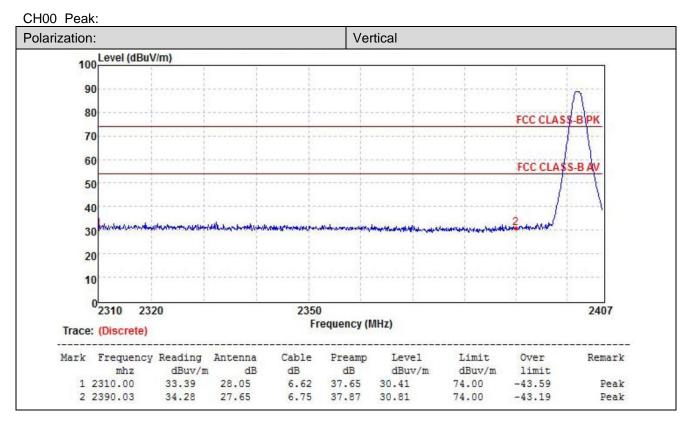
Please refer to the clause 3.3

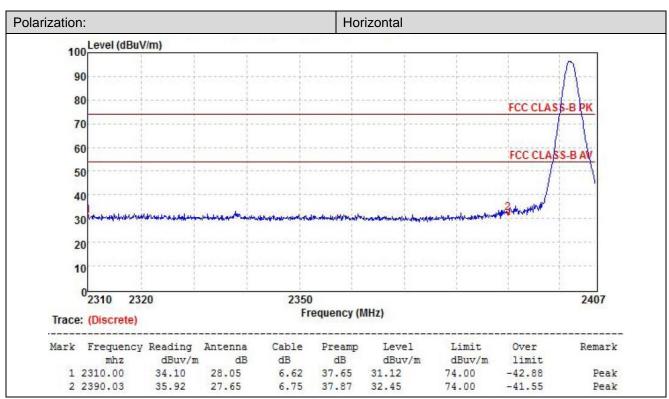
TEST RESULTS

☑ Passed □ Not Applicable

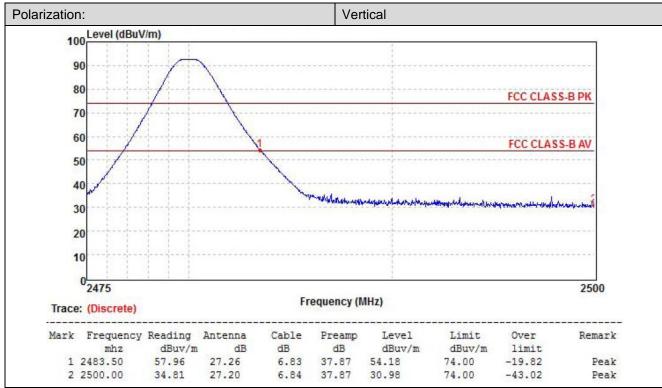
Note:

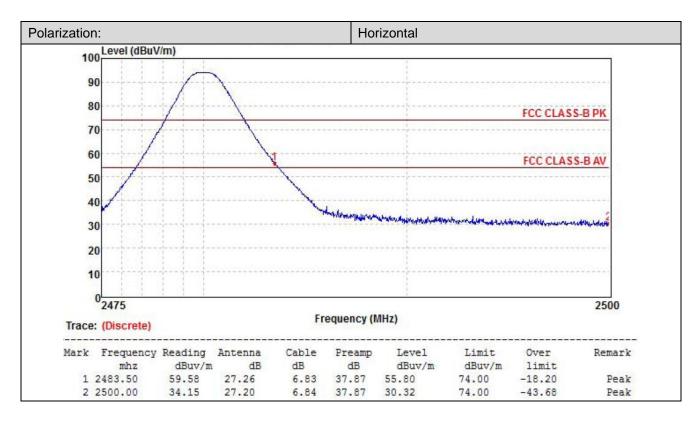
- 1) Final level= Read level + Antenna Factor+ Cable Loss- Preamp Factor
- 2) The peak level is lower than average limit(54 dBuV/m), this data is the too weak instrument of signal is unable to test.



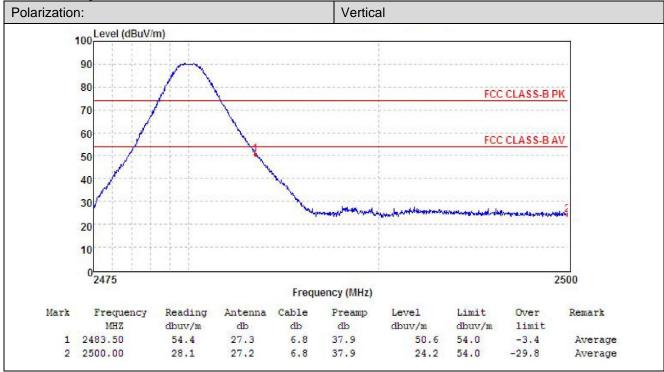


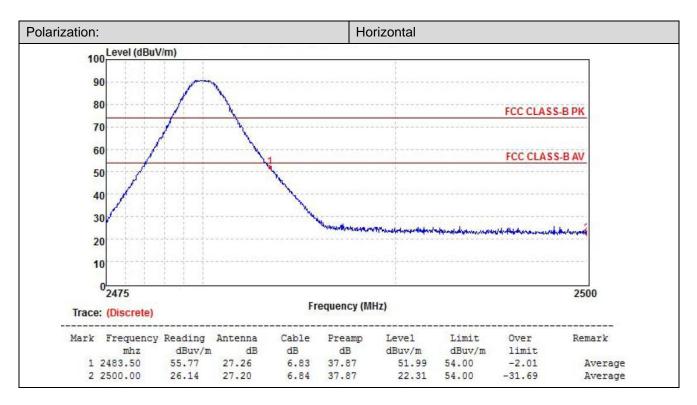










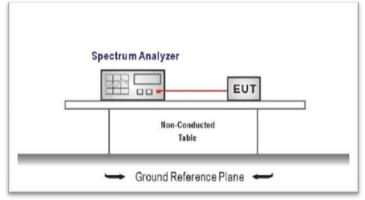


5.7. Band edge and Spurious Emissions (conducted)

<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section15.247 (d):In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.

TEST CONFIGURATION



TEST PROCEDURE

1. Connect the antenna port(s) to the spectrum analyzer input.

 Establish a reference level by using the following procedure Center frequency=DTS channel center frequency The span = 1.5 times the DTS bandwidth. RBW = 100 kHz, VBW ≥ 3 x RBW Detector = peak, Sweep time = auto couple, Trace mode = max hold Allow trace to fully stabilize Use the peak marker function to determine the maximum PSD level

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

 Emission level measurement Set the center frequency and span to encompass frequency range to be measured RBW = 100 kHz, VBW ≥ 3 x RBW Detector = peak, Sweep time = auto couple, Trace mode = max hold Allow trace to fully stabilize Use the peak marker function to determine the maximum amplitude level.

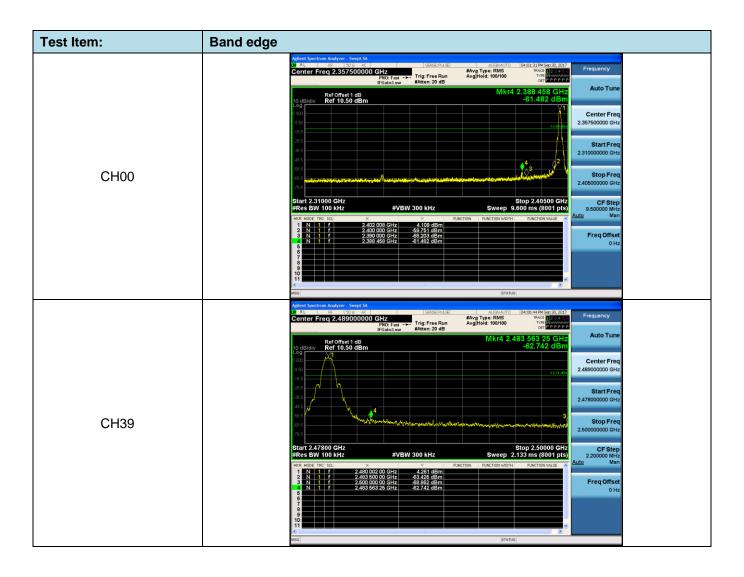
- 4. Place the radio in continuous transmit mode, allow the trace to stabilize, view the transmitter waveform on the spectrum analyzer.
- Ensure that the amplitude of all unwanted emission outside of the authorized frequency band excluding restricted frequency bands) are attenuated by at least the minimum requirements specified (at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz). Report the three highest emission relative to the limit.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable





	Agilent Spectrum Analyzer - Swept SA		
	Center Freq 7.500000000 GHz	ALIGN AUTO 04:02:16 PM Sep 30, 2017 #Avg Type: RMS TRACE Date to Avg]Hold: 11/100 Type M MAXAMM DEF P P.P.P.P	Frequency
	PNO: Fast	Mkr1 7.206 250 GHz -49.183 dBm	Auto Tune
			Center Freq 7.50000000 GHz
	1.00		
CH00	9.00		Start Freq 5.000000000 GHz
eries -	-19.0	-10.00 dHz	Stop Freq 10.00000000 GHz
5GHz~10GHz	-29.0		CF Step 500.000000 MHz
	-49.0		500.000000 MHz Auto Man
	-69.0 and a state of the second state of the s		Freq Offset 0 Hz
	-69.0		
	Start 5.000 GHz #Res BW 100 kHz #VBW 300 kHz	Stop 10.000 GHz Sweep 477.9 ms (8001 pts)	
	MBG Agitent Spectrum Analyzer - Swipt SA Sense:Pulse ØB RL RF SO Q AC SENSE:Pulse	STATUS	
	Center Freq 12.500000000 GHz PN0: Fast IFGain:Lew #Atten: 30 dB	ALIGNAUTO 04:02:27 PM Sep 30, 2017 #Avg Type: RMS TRACE 12:3 4:5 Avg Hold: 10/100 TYPE PPPP per PPPPP	Frequency
	Ref Offset 1 dB 10 dB/div Ref 21.00 dBm Log	Mkr1 14.888 125 GHz -53.045 dBm	Auto Tune
	11.0		Center Freq 12.50000000 GHz
	1.00		Start Freq
CH00	-190	-16.00 dBs	10.00000000 GHz
10GHz~15GHz	-29.0		Stop Freq 15.00000000 GHz
	-39.0		CF Step 500.000000 MHz Auto Man
	-49.0		Freq Offset
	190.0 And receiver the state of the second secon		0 Hz
	Start 10.000 GHz #Res BW 100 kHz #VBW 300 kHz	Stop 15.000 GHz Sweep 477.9 ms (8001 pts)	
	MSG	Sweep 477.9 ms (8001 pts)	
	Agilent Spectrum Analyzer - Swept SA Sense:Pulse Or RL RF 50 g AC SENSE:Pulse Center Freq 20.000000000 GHz Tric: Free Run Tric: Free Run	ALIGNAUTO 04:02:38 PM Sep 30, 2017 #Avg Type: RMS TRACE 23 4 0 0 Avg Hold: 5/100 TVPE Det P.P.P.P.P	Frequency
	IFGain:Low #Atten: 32 dB RefOffset 1 dB	Mkr1 24.442 50 GHz -43.416 dBm	Auto Tune
	10 dB/div Ref 23.00 dBm		Center Freq
	300		20.00000000 GHz
CH00	-7.00		Start Freq 15.00000000 GHz
	-17.0	-16.00 dBn	Stop Freq 25.00000000 GHz
15GHz~25GHz	-27.0		CF Step 1.00000000 GHz
			1.00000000 GHz Auto Man
	ar o ar Tellon I. Statistics, also a statistics, and a statistics and a statistics of the statistics o		Freq Offset 0 Hz
	-67.0		
	Start 15.000 GHz #Res BW 100 kHz #VBW 300 kHz	Stop 25.000 GHz Sweep 955.7 ms (8001 pts)	
	MSG	STATUS	

Т	
	Addred Spectrum Analyzer - Swept SA DF RL #F 150 / # AC ISPICE PLUSE #LIDY.MUTO (04/03/53/PL/Sip 20.2017) Center Freq 2.4400000000 GHz #Avg Type: RMS 114/21 #Avg Type: RMS 114/21 Frequency PNO: Wide → F Trig: Free Run Avg Hold: 100/100 119/21 Frequency
	IFGain:Low #Atten: 20 dB Mikr1 2.440 230 0 GHz Auto Tune
	10 dB/div Ref 11.00 dBm 4.621 dBm Center Freq 2.44000000 GHz
	9.00
CH19	22 0 Stop Freq
Reference level	39.0 2.44200000 GHz
	400 tpd/tpd/ 400.000 Min 700
	600 Freq Offset 0142
	730
	Center 2.440000 GHz Span 4.000 MHz #Res BW 100 kHz ≇VBW 300 kHz Sweep 1.067 ms (8001 pts)
	MSG STATUS
	One Section 200 Section 200 Section 200 Frequency Center Freq 1.515000000 CHz Fig. Free Run Avg/Heid: 14/100 Troop 100000000000000000000000000000000000
	Ref Offset 1 dB Mkr2 1.952 0 GHz 10 dB/dlv Ref 21.00 dBm -52.834 dBm
	110 Center Freq 1.51500000 GHz
	1 00 Start Freq 30,00000 MHz
CH19	130 At 30 M
30MHz~3GHz	23.0
	230 CF Step 227,00000 Man
	Freq Offset
	erzenety szere a kerzeketere erzeketetetetetetetetetetetetetetetetetete
	Start 30 MHz Stop 3.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 284.3 ms (8001 pts)
	Agilent Spectrum Analyzer - Swegt SA
	Of RL SF 1909 Acc SF <
	Ref Offset 1 dB 10 dB/div Ref 21.00 dBm -54.475 dBm
	110 Center Freq 4.00000000 GHz
	1 00 Start Freq 3.00000000 GHz
CH19	190
3GHz~5GHz	200 5.00000000 GHz
	530 CF Step 200.00000 MHz Auto Man
	COLO COLOR CONTRACTOR CONTRA
	Start 3.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 191.5 ms (8001 pts)
	MSG STATUS

T		
	Center Freq 7.50000000 GHz #Avg Type: RMS	0 04:04:25 PM Sep 30, 2017 TRACE 12:25 PM Sep 30, 2017 TRACE 12:25 PM Sep 30, 2017 Trace 12:25 PM Sep 30, 2017
	IFGain:Low #Atten: 30 dB	
	10 dB/div Ref 21.00 dBm	1 7.320 000 GHz -50.405 dBm
	11.0	Center Freq 7.50000000 GHz
	1.00	Start Freq
CH19	.e	5.00000000 GHz
oma	-19.0	Stop Freq
5GHz~10GHz	-29.0	10.00000000 GHz
	-39.0	CF Step 500.000000 MHz
	-49.0	Auto Man
	-59.0 was reported to the first the first the first threads and a state of the second	Freq Offset
	-69.0	
	Start 5.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep	Stop 10.000 GHz 477.9 ms (8001 pts)
	#Res BW 100 kHz #VBW 300 kHz Sweep MIG stat	
	Agilent Spectrum Analyzer Swept SA 21 RL RF 50.9 ALEXAULT Center Freq 12.500000000 GHz #Avg Type: RMS	04:04:36 PM Sep 30, 2017 TRACE Discussion
	Ref Offset 1 dB Mkr1 10 dB/div Ref 21.00 dBm	14.972 500 GHz Auto Tune -53.251 dBm
		Center Freq
	100	12.50000000 GHz
	.am	Start Freq 10.000000000 GHz
CH19	-190	-15.30 dbm
10GHz~15GHz	-29.0	Stop Freq 15.00000000 GHz
10GH2~15GH2	.39.0	CF Step 500.000000 MHz
	-49.0	Auto Man
		Freq Offset
	459.0	
	Start 10.000 GHz	Stop 15.000 GHz
	Start 10.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep #so	Stop 15.000 GHz 477.9 ms (8001 pts)
	Aglent Spectrum Analyzer - Swept SA	
	Center Freq 20.00000000 GHz Factor Trig: Free Run PR0: Facint.ov Factor Avg Hold: 5/100	0 04:04:48 PM Sep 30, 2017 TRACE 1 2:3 4 5 C TYPE MUNICIPAL PP P P P
	Ref Offset 1 dB Mkr 10 dB/dlv Ref 23.00 dBm	1 24.520 00 GHz -44.403 dBm
		Center Freq
	13.0	20.00000000 GHz
	3.00	Start Freq
CH19	-7.00	15.00000000 GHz
	-17.0	Stop Freq 25.00000000 GHz
15GHz~25GHz	227.0	
	37.0	CF Step 1.00000000 GHz Auto Man
		A CONTRACTOR OF THE OWNER OWNER OF THE OWNER
		0 Hz
	Start 15.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep	Stop 25.000 GHz 955.7 ms (8001 pts)
	MSQ STAT	

	Agilent Spectrum Analyzer - Swept SA
	Center Freq 2.480000000 GHz #Avg Type: RMS Trace Register Frequency
	Ref Offset 1 dB Mkr1 2.479 989 5 GHz Auto Tune
	10 dB/dlv Ref 11.00 dBm 4.226 dBm Center Freq
	100 2.48000000 GHz
	9.00 Start Freq
CH39	190 2.47800000 GHz
	230 Stop Freq 2.48200000 GHz
Reference level	
	-00 CF Step 400,000 kHz Auto Man
	All of the second secon
	69.0 0 Hz
	79.0
	Center 2.480000 GHz Span 4.000 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 1.067 ms (8001 pts)
	MSG Stratus Aellent Swettum Analyzer - Swert SA
	Agled Spectrum Analyzer - Swept SA Of RL RF 200 AC I SPICE RUSE ALIANAUTO (M40708 PM Sep 30, 2007) Center Freq 1.5150000000 GHz PRO: Fast +>> Frig: Free Run Frigitations 20 dB Avg]Hold: 15/100 Tref PP PP PP
	Auto Tune
	11.0 Center Freq 15.1500000 GHz
	1.00 Start Freq
CH39	9 00 30.00000 MHz
	190 Stop Freq 3.00000000 GHz
30MHz~3GHz	
	490
	⁶⁹⁰ Decision of the second secon
	69.0
	Start 30 MHz Stop 3.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 284.3 ms (8001 pts)
	MSG STATUS
	R R PE 50.0 AC SENSE DI SE ALIGNIALITO 04-07-17.0M Sex-30.2017
	IFGain:Low #Atten: 30 dB
	1110 Center Freq 4.00000000 GHz
	1.00 Start Freq
CH39	800 3.0000000 GHz
	Stop Freq
3GHz~5GHz	59.0 5.00000000 GHz
	49.0
	600 Proceeding in the temploteness in the internet in the discrete section of the temploteness of templote
	Start 3.000 GHz Stop 5.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 191.5 ms (8001 pts)
	MSG STATUS

Γ	Aellert Swetrum Anderer - Swet SA
	Addref Spectrum Audyrer. swept SA SPSEE PL38 ALDMA/TO 04.07-28 IPK Spc 30, 2017 Center Freq 7.5000000000 CHZ Bit Spc 30, 2017 Frequency Bit Spc 30, 2017 Frequency Pit Spc 30, 2017 Center Freq 7.5000000000 CHZ Frequency Bit Spc 30, 2017 Frequency
	IFGaint.ew FAtten: 30 dB Cell Backster Auto Tune Ref Offset 1 dB Mkr17 7.440 000 GHz Auto Tune 10 dB/dw Ref 21.00 dBm -53.659 dBm
	Center Freq 7.50000000 GHz
	100
CH39	900 Start Freq 5.0000000 GHz
61139	119 0 Stop Freq
5GHz~10GHz	22.0 10.00000000 GHz
	33 0 CF Step 500.00000 MHz Auto Man
	Start 5.000 GHz #Res BW 100 KHz #VBW 300 kHz Sweep 477.9 ms (8001 pts)
	Aglent Spectrum Analyzer - Swept SA
	Bit State Image: State State Image: State Sta
	IFGainLow #Atten: 30 dB CERTER ALL ALL ALL ALL ALL ALL ALL ALL ALL AL
	Log Center Freq
	110 12.50000000 GHz
CH39	9:00 Start Freq 10.0000000 GHz
0039	13.0 Stop Freq
10GHz~15GHz	23.0 15.00000000 GHz
	59.0 CF Step 500.000000 MHz Auto Man
	45 0 the rest of the rest o
	Start 10.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 477.9 ms (8001 pts)
	MSG STATUS
	Agenerit Spectrum Angel Average SA Spece PrL3E ALL2014/10 Or 40/2510FSpc30,2017 Frequency Center Freq 20.0000000000 GHz IFGenice Trig: Free Run Frequency Free Run States: 32 dB Free Run Frequency Frequency Frequency Frequency
	IFGaint.ww FAtten: 32 dB Cell Backster Auto Tune Ref Offset 1 dB Mkr124.136 25 GHz Auto Tune 10 dB/div Ref 23.00 dBm -43.727 dBm
	Center Freq
	13.0 3.00
CH39	-7.00 Start Freq 15.0000000 GHz
0003	-17.0
15GHz~25GHz	27.0 25.00000000 GHz
	370 CF Step 100000000 CH2 Auto Man
	500 And the state of the state
	47 0
	Start 15.000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 953.7 ms (8001 pts)
	MCS 5W 100 KHZ #V5W 300 KHZ SWEEP 93.7 HIS (8001 PIS)

5.8. Spurious Emissions (radiated)

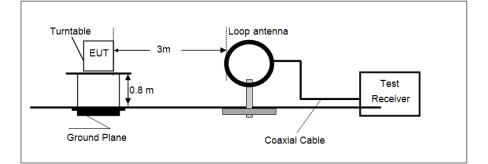
<u>LIMIT</u>

FCC CFR Title 47 Part 15 Subpart C Section 15.209

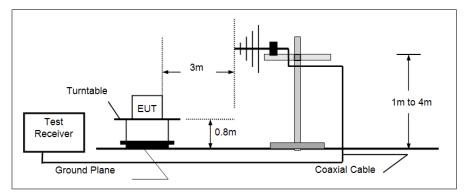
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above IGH2	74.00	Peak

TEST CONFIGURATION

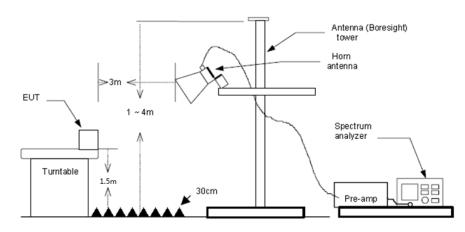
➢ 9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
- The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.
- 5. Use the following spectrum analyzer settings
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Below 1 GHz, RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold; If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
 - (3) Above 1GHz, RBW=1MHz, VBW=3MHz Peak detector for Peak value.
 - RBW=1MHz, VBW=3MHz RMS detector for Average value.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☑ Passed □ Not Applicable

Note:

- 1) Above 1GHz Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2) The emission levels of other frequencies are very lower than the limit and not show in test report.

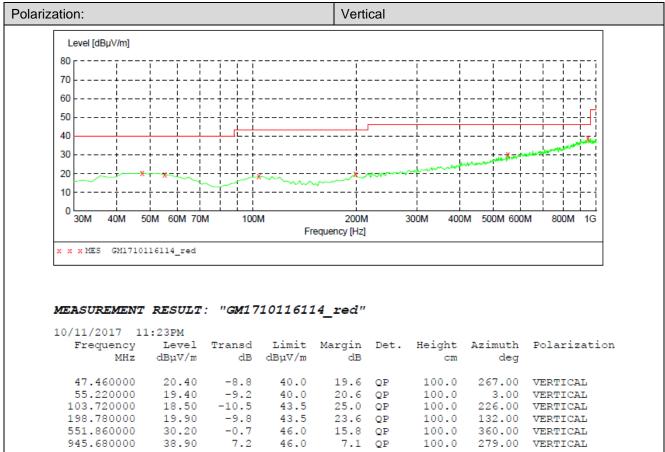
➢ 9 kHz ~ 30 MHz

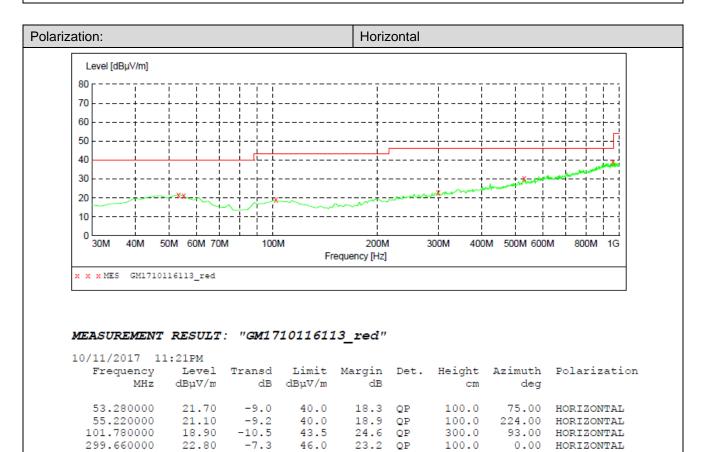
The EUT was pre-scanned the frequency band (9 kHz \sim 30 MHz), found the radiated level lower than the limit, so don't show on the report.

➢ 30 MHz ~ 1000 MHz

Have pre-scan all modulation mode, found the BT-BLE mode CH39 which it was worst case, so only the worst case's data on the test report.

➢ 30 MHz ~ 1 GHz





Shenzhen Huatongwei International Inspection Co., Ltd.

30.20

38.80

-1.1

7.3

46.0

46.0

15.8 QP

7.2 QP

300.0

100.0

530.520000

957.320000

212.00 HORIZONTAL

HORIZONTAL

104.00

\triangleright	Above 1 GHz

CH00									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1518.11	36.89	25.63	5.34	36.61	31.25	74.00	-42.75	Vertical	Peak
3498.74	35.45	28.99	8.11	38.41	34.14	74.00	-39.86	Vertical	Peak
4809.50	45.18	31.58	9.55	36.93	49.38	74.00	-24.62	Vertical	Peak
7209.02	36.36	36.21	11.87	35.07	49.37	74.00	-24.63	Vertical	Peak
1346.93	37.04	26.06	4.91	36.49	31.52	74.00	-42.48	Horizontal	Peak
3192.37	36.62	28.80	7.71	38.20	34.93	74.00	-39.07	Horizontal	Peak
4809.50	44.65	31.58	9.55	36.93	48.85	74.00	-25.15	Horizontal	Peak
7209.02	35.91	36.21	11.87	35.07	48.92	74.00	-25.08	Horizontal	Peak

CH19									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1428.14	36.91	25.87	5.08	36.50	31.36	74.00	-42.64	Vertical	Peak
3057.17	35.96	28.72	7.55	38.22	34.01	74.00	-39.99	Vertical	Peak
4883.52	43.87	31.43	9.59	36.73	48.16	74.00	-25.84	Vertical	Peak
7319.96	35.47	36.30	11.99	34.92	48.84	74.00	-25.16	Vertical	Peak
1655.35	37.05	25.07	5.68	36.84	30.96	74.00	-43.04	Horizontal	Peak
3662.78	37.32	29.30	8.34	38.26	36.70	74.00	-37.30	Horizontal	Peak
4883.52	42.82	31.43	9.59	36.73	47.11	74.00	-26.89	Horizontal	Peak
7319.96	35.02	36.30	11.99	34.92	48.39	74.00	-25.61	Horizontal	Peak

CH39									
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization	Test value
1464.96	36.54	25.83	5.19	36.54	31.02	74.00	-42.98	Vertical	Peak
3241.50	36.51	28.55	7.77	38.27	34.56	74.00	-39.44	Vertical	Peak
4958.68	44.19	31.46	9.64	36.52	48.77	74.00	-25.23	Vertical	Peak
7451.57	35.00	36.20	12.24	34.86	48.58	74.00	-25.42	Vertical	Peak
1406.50	36.00	25.89	5.02	36.47	30.44	74.00	-43.56	Horizontal	Peak
3120.06	34.86	28.80	7.62	38.21	33.07	74.00	-40.93	Horizontal	Peak
4958.68	44.09	31.46	9.64	36.52	48.67	74.00	-25.33	Horizontal	Peak
7451.57	35.48	36.20	12.24	34.86	49.06	74.00	-24.94	Horizontal	Peak

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

2. The peak level is lower than average limit (54 dBuV/m), this data is the too weak instrument of signal is unable to test.

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

6. TEST SETUP PHOTOS

Conducted Emissions

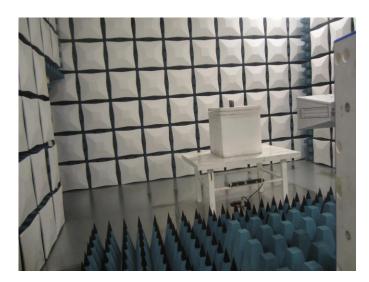


Radiated Emissions





Shenzhen Huatongwei International Inspection Co., Ltd.



7. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No.: TRE1709023201.

.....End of Report.....