

# Global United Technology Services Co., Ltd.

Report No.: GTS201805000086F01

# **FCC REPORT**

FLUENT AUDIO INC **Applicant:** 

**Address of Applicant:** 8362 TAMARACK VILLAGE SUITE# 119-252 WOODBURY,

MINNESOTA 55125 USA

Manufacturer/Factory: Shenzhen Alcors Technology Co.,Ltd

4<sup>th</sup> Floor South, Bldg 23, LianChuang Sci& Tech Park, Bulan Address of

Road, LongGang District, Shenzhen, China Manufacturer/Factory:

**Equipment Under Test (EUT)** 

**Product Name:** Belt Pack Transmitter

FA-WT900-BP, OEM-BT900-BP, OEM-ET900-BP, Model No.:

> OEM-FT900-BP, OEM-KT900-BP, OEM-MT900-BP, OEM-ST900-BP, OEM-TT900-BP, OEM-WT900-BP,

OEM-XT900-BP

Trade Mark: N/A

FCC ID: 2APTAFA-WT900-BP

FCC CFR Title 47 Part 15 Subpart C Section 15.249 **Applicable standards:** 

May 02, 2018 Date of sample receipt:

**Date of Test:** May 02, 2018 - May 10, 2018

Date of report issued: May 10, 2018

PASS \* Test Result:

In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Robinson Lo **Laboratory Manager** 

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.



# 2 Version

Version No.	Date	Description
00	May 10, 2018	Original

Prepared By:	Joseph Du	Date:	May 10, 2018
	Project Engineer		
Check By:	Andy. um	Date:	May 10, 2018
	Reviewer	_	



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# **Test Summary**

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
Field strength of the fundamental signal	15.249 (a)	Pass
Spurious emissions	15.249 (a) (d)/15.209	Pass
Band edge	15.249 (d)/15.205	Pass
20dB Occupied Bandwidth	15.215 (c)	Pass

Pass: The EUT complies with the essential requirements in the standard.

Remark: Test according to ANSI C63.10: 2013 and ANSI C63.4: 2014.

# 4.1 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes				
Radiated Emission	9kHz ~ 30MHz	± 4.34dB	(1)				
Radiated Emission	30MHz ~ 1000MHz	± 4.24dB	(1)				
Radiated Emission	1GHz ~ 26.5GHz	± 4.68dB	(1)				
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	± 3.45dB	(1)				
Note (1): The measurement unce	Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.						



# **5** General Information

# 5.1 General Description of EUT

Product Name:	Belt Pack Transmitter
Model No.:	FA-WT900-BP, OEM-BT900-BP, OEM-ET900-BP, OEM-FT900-BP,
	OEM-KT900-BP, OEM-MT900-BP, OEM-ST900-BP, OEM-TT900-BP, OEM-WT900-BP, OEM-XT900-BP
Test Model No:	FA-WT900-BP
Remark: All above models are	identical in the same PCB layout, interior structure and electrical circuits.
The difference is model name	for commercial purpose.
Quantity of tested samples	1
Serial No.:	N/A
Test sample(s) ID:	N/A
Sample(s) Status	Engineer sample
Hardware:	N/A
Software:	N/A
Operation Frequency:	903~927MHz
Channel numbers:	25
Channel separation:	1MHz
Modulation type:	O-QPSK
Antenna Type:	External antenna
Antenna gain:	2 dBi(declare by Applicant)
Power supply:	DC 1.5V*2 From Battery or DC 5V From PC



Operation Frequency each of channel						
Channel Frequency Channel Frequency						
1	903MHz	14	916MHz			
2	904MHz	15	917MHz			
12	914 MHz	24	926MHz			
13	915 MHz	25	927MHz			



#### 5.2 Test mode

Transmitting mode Keep the EUT in continuously transmitting mode.

Remark: During the test, the dutycycle >98%, New battery is used during all test. So the report just shows that condition's data.

#### Per-test mode.

We have verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

Axis	X	Υ	Z	ì
Field Strength(dBuV/m)	107.6	95.42	95.98	ı

### 5.3 Description of Support Units

None

### 5.4 Test Facility

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

• FCC —Registration No.: 381383

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fuly described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383, January 08, 2018.

• Industry Canada (IC) —Registration No.: 9079A-2

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-2, August 15, 2016

#### 5.5 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480 Fax: 0755-27798960

Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



### 5.6 Additional instructions

Software (Used for test) from client

Mode	/
------	---

Channel	Power level
Lowest	Default
Middle	Default
Highest	Default



# 6 Test Instruments list

Radi	Radiated Emission:					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July 03 2015	July 02 2020
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June 28 2017	June 27 2018
4	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June 28 2017	June 27 2018
5	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June 28 2017	June 27 2018
6	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 28 2017	June 27 2018
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	June 28 2017	June 27 2018
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
9	Coaxial Cable	GTS	N/A	GTS213	June 28 2017	June 27 2018
10	Coaxial Cable	GTS	N/A	GTS211	June 28 2017	June 27 2018
11	Coaxial cable	GTS	N/A	GTS210	June 28 2017	June 27 2018
12	Coaxial Cable	GTS	N/A	GTS212	June 28 2017	June 27 2018
13	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June 28 2017	June 27 2018
14	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	June 28 2017	June 27 2018
15	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 28 2017	June 27 2018
16	Band filter	Amindeon	82346	GTS219	June 28 2017	June 27 2018
17	Power Meter	Anritsu	ML2495A	GTS540	June 28 2017	June 27 2018
18	Power Sensor	Anritsu	MA2411B	GTS541	June 28 2017	June 27 2018

Conduc	Conducted Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)	
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.16 2014	May.15 2019	
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June 28 2017	June 27 2018	
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June 28 2017	June 27 2018	
4	Artificial Mains Network	SCHWARZBECK MESS	NSLK8127	GTS226	June 28 2017	June 27 2018	
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A	
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	
7	Thermo meter	KTJ	TA328	GTS233	June 28 2017	June 27 2018	

Gene	General used equipment:												
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date							
1	Barometer	ChangChun	DYM3	GTS257	June 28 2017	June 27 2018							



### 7 Test results and Measurement Data

# 7.1 Antenna requirement

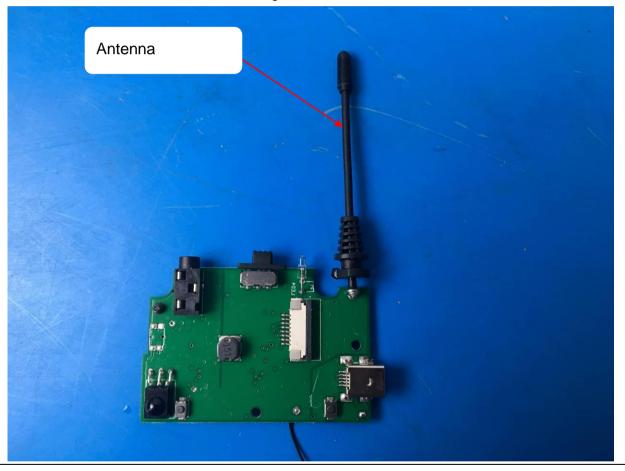
Standard requirement: FCC Part15 C Section 15.203

#### 15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### **EUT Antenna:**

The antenna is External antenna, the best case gain of the antenna is 2dBi



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# 7.2 Conducted Emissions

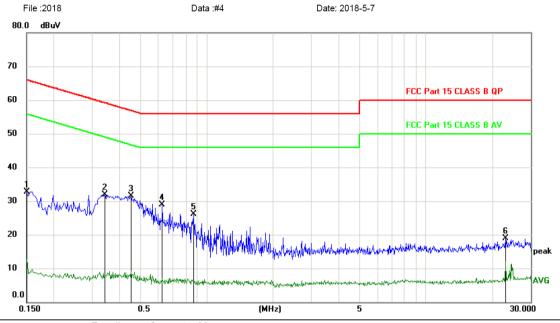
Test Requirement:	FCC Part15 C Section 15.207	,									
Test Method:	ANSI C63.10:2013										
Test Frequency Range:	150KHz to 30MHz										
Class / Severity:	Class B										
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto										
Limit:		Limit (d	BuV)								
	Frequency range (MHz)         Limit (dBuV)           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 logarithn	n of the frequency.	_								
Test setup:	Reference Plane										
	AUX Equipment  Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	Filter — AC pow	er								
Test procedure:	The EUT and simulators ar line impedance stabilization 50ohm/50uH coupling impe	n network (L.I.S.N.). Thedance for the measuri	nis provides a ng equipment.								
	<ol> <li>The peripheral devices are LISN that provides a 50ohn termination. (Please refer to photographs).</li> </ol>	n/50uH coupling imped	lance with 50ohm								
	3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.										
Test Instruments:	Refer to section 6.0 for details	3									
Test mode:	Refer to section 5.2 for details										
Test results:	PASS										

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#### Line:

#### **Conducted Emission Measurement**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margir	1	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	23.04	9.73	32.77	66.00	-33.23	peak	
2		0.3420	22.15	9.77	31.92	59.15	-27.23	peak	
3	*	0.4500	21.64	9.78	31.42	56.88	-25.46	peak	
4		0.6240	19.03	9.79	28.82	56.00	-27.18	peak	
5		0.8670	16.23	9.82	26.05	56.00	-29.95	peak	
6		23.1299	8.29	10.66	18.95	60.00	-41.05	peak	

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

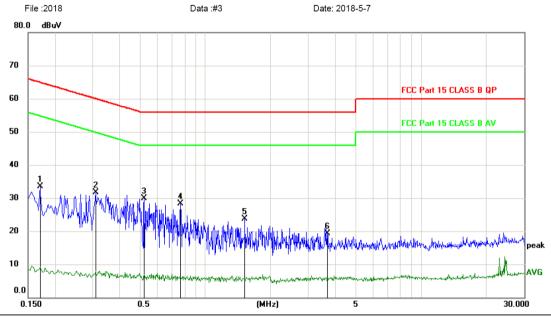
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<sup>\*:</sup>Maximum data x:Over limit !:over margin



#### Neutral:





No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margir	า	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1710	23.81	9.73	33.54	64.91	-31.37	peak	
2	0.3090	22.01	9.76	31.77	60.00	-28.23	peak	
3 *	0.5190	20.13	9.79	29.92	56.00	-26.08	peak	
4	0.7650	18.42	9.80	28.22	56.00	-27.78	peak	
5	1.5210	13.88	9.88	23.76	56.00	-32.24	peak	
6	3.6660	9.15	10.09	19.24	56.00	-36.76	peak	

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

#### Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss
- 4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.

<sup>\*:</sup>Maximum data x:Over limit !:over margin



# 7.3 Radiated Emission Method

1.3	Radiated Ellission We	tillou									
	Test Requirement:	FCC Part15 C S	Section 15.20	)9							
	Test Method:	ANSI C63.10:2013									
	Test Frequency Range:	30MHz to 18GH	Ηz								
	Test site:	Measurement D	istance: 3m								
	Receiver setup:	Frequency	Detector		RBW	VBW	Remark				
		30MHz- 1GHz	30MHz- 1GHz Quasi-peak 120KHz 300KHz								
		Peak 1MHz 3MHz Peak Value									
		Above 1GHz Peak 1MHz 10Hz Average Value									
	Limit:	Freque	ency	L	imit (dBuV/	/m @3m)	Remark				
	(Field strength of the fundamental signal)	Carrier frequency 94.00 Average Value									
	Limit:	Frequency Limit (dBuV/m @3m) Remark									
	(Spurious Emissions)	30MHz-88MHz 40.00 Quasi-peak Value									
		88MHz-2			43.5		Quasi-peak Value				
		216MHz-960MHz 46.00 Quasi-peak Value 960MHz-1GHz 54.00 Quasi-peak Value									
					54.0		Average Value				
		Above 1	IGHZ		74.0	0	Peak Value				
	Limit: (band edge)	harmonics, sha fundamental or	II be attenuat to the genera	ted b al ra	by at least adiated emi	50 dB belo	bands, except for w the level of the s in Section 15.209,				
	Test setup:	whichever is the lesser attenuation.  Below 1GHz									
		Above 1GHz									



Report No.: GTS201805000086F01 < 1m ... 4m > EUT Tum Table+ <150cm> Preamplifier-Receiver+ Test Procedure: 1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. Refer to section 6.0 for details Test Instruments: Test mode: Refer to section 5.2 for details Test results: **Pass** 

#### Measurement data:



# 7.3.1 Field Strength of The Fundamental Signal

### Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	polarization
903.00	96.84	22.37	4.93	37.58	86.56	94.00	Vertical
903.00	95.63	22.37	4.93	37.58	85.35	94.00	Horizontal
915.00	98.10	22.39	4.93	37.58	87.84	94.00	Vertical
915.00	98.20	22.39	4.93	37.58	87.94	94.00	Horizontal
927.00	98.90	22.41	4.95	37.58	88.68	94.00	Vertical
927.00	96.97	22.41	4.95	37.58	86.75	94.00	Horizontal

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

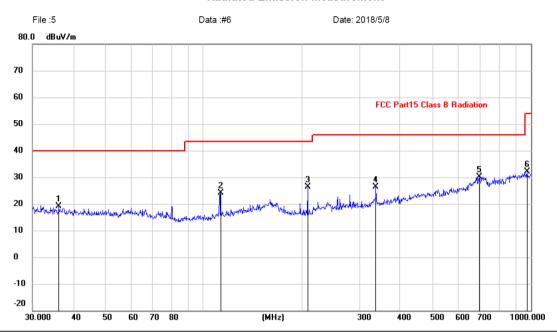


# 7.3.2 Spurious emissions

### ■ Below 1GHz

#### Horizontal:

#### **Radiated Emission Measurement**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	l able Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		36.2539	5.42	13.59	19.01	40.00	-20.99	peak			
2		112.5242	12.31	11.78	24.09	43.50	-19.41	peak			
3		207.8500	15.88	10.61	26.49	43.50	-17.01	peak			
4		336.0350	12.10	14.37	26.47	46.00	-19.53	peak			
5	*	694.4174	9.42	20.64	30.06	46.00	-15.94	peak			
6		975.7527	8.56	23.65	32.21	54.00	-21.79	peak			

Note:1. \*:Maximum data; x:Over limit; !:over margin.

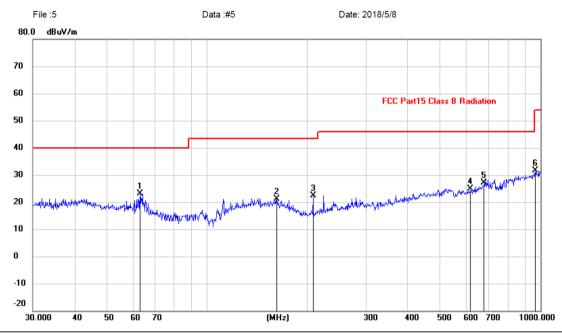
<sup>2.</sup>Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



Vertical:

Report No.: GTS201805000086F01

#### **Radiated Emission Measurement**



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	62.8708	10.94	12.24	23.18	40.00	-16.82	peak			
2		162.6105	6.69	14.37	21.06	43.50	-22.44	peak			
3		207.8500	11.66	10.61	22.27	43.50	-21.23	peak			
4		618.5366	5.27	19.68	24.95	46.00	-21.05	peak			
5		677.5797	6.21	20.97	27.18	46.00	-18.82	peak			
6		968.9337	7.89	23.86	31.75	54.00	-22.25	peak			

Note:1. \*:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

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### ■ Above 1GHz

Test channel: Lowest channel

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
1288.00	37.06	25.61	4.54	35.99	31.22	74.00	-42.78	Vertical
2503.00	33.87	27.55	5.49	36.94	29.97	74.00	-44.03	Vertical
3709.00	30.33	29.25	7.34	37.37	29.55	74.00	-44.45	Vertical
5500.00	28.60	31.98	9.51	37.07	33.02	74.00	-40.98	Vertical
7561.00	26.11	36.75	11.86	35.52	39.20	74.00	-34.80	Vertical
8704.00	27.20	36.87	13.23	34.74	42.56	74.00	-31.44	Horizontal
1369.00	36.43	25.66	4.59	36.06	30.62	74.00	-43.38	Horizontal
2440.00	34.10	27.48	5.43	36.89	30.12	74.00	-43.88	Horizontal
3736.00	31.05	29.29	7.4	37.38	30.36	74.00	-43.64	Horizontal
5428.00	28.83	31.86	9.4	37.18	32.91	74.00	-41.09	Horizontal

Test channel: Middle channel

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
1342.00	36.93	25.7	4.57	36.04	31.16	74.00	-42.84	Vertical
2467.00	33.97	27.49	5.45	36.91	30.00	74.00	-44.00	Vertical
3772.00	30.17	29.33	7.46	37.38	29.58	74.00	-44.42	Vertical
5473.00	28.61	31.95	9.47	37.11	32.92	74.00	-41.08	Vertical
7534.00	25.82	36.72	11.85	35.53	38.86	74.00	-35.14	Vertical
8677.00	26.84	36.84	13.19	34.76	42.11	74.00	-31.89	Horizontal
1324.00	36.09	25.67	4.56	36.02	30.30	74.00	-43.70	Horizontal
2530.00	34.02	27.58	5.52	36.96	30.16	74.00	-43.84	Horizontal
3754.00	30.76	29.3	7.44	37.38	30.12	74.00	-43.88	Horizontal
5455.00	28.69	31.89	9.45	37.13	32.90	74.00	-41.10	Horizontal

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Test channel:	Highest channel
---------------	-----------------

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
1216.00	38.07	25.42	4.48	35.93	32.04	74.00	-41.96	Vertical
2566.00	34.40	27.68	5.55	36.99	30.64	74.00	-43.36	Vertical
3655.00	30.51	29.19	7.25	37.37	29.58	74.00	-44.42	Vertical
5617.00	29.71	32.27	9.67	36.91	34.74	74.00	-39.26	Vertical
7318.00	28.19	36.37	11.72	35.6	40.68	74.00	-33.32	Vertical
8551.00	26.91	36.63	12.97	34.9	41.61	74.00	-32.39	Horizontal
1234.00	35.73	25.48	4.49	35.94	29.76	74.00	-44.24	Horizontal
2620.00	35.71	27.86	5.6	37.03	32.14	74.00	-41.86	Horizontal
3907.00	29.90	29.52	7.69	37.39	29.72	74.00	-44.28	Horizontal
5563.00	28.50	32.13	9.61	36.98	33.26	74.00	-40.74	Horizontal

### Remark:

- 1. 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.
- 3. "\*", means this data is the too weak instrument of signal is unable to test.



Vertical

# 7.3.3 Bandedge emissions

35.84

22.3

4.87

Test channel: Lowest channel								
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)		Polarization
902.00	35.10	22.3	4.87	37.6	24.67	46		Horizontal
902.00	39.91	22.3	4.87	37.6	29.48	46		Vertical
928.00	41.05	22.3	4.87	37.6	30.62	46		Horizontal

37.6

25.41

46

Test channel:	Highest channel
---------------	-----------------

Peak value:

928.00

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Polarization
902.00	40.24	22.3	4.87	37.6	29.81	46	Horizontal
902.00	36.69	22.3	4.87	37.6	26.26	46	Vertical
928.00	28.66	22.3	4.87	37.6	18.23	46	Horizontal
928.00	25.66	22.3	4.87	37.6	15.23	46	Vertical

### Remark:

Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor

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# 7.4 20dB Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.249/15.215		
Test Method:	ANSI C63.10:2013		
Limit:	Operation Frequency range 902MHz~928MHz		
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane		
Test Instruments:	Refer to section 6.0 for details		
Test mode:	Refer to section 5.2 for details		
Test results:	Pass		

#### **Measurement Data**

Test channel	20dB bandwidth(MHz)	Result
903MHz	1.321	Pass
915MHz	1.336	Pass
927MHz	1.362	Pass



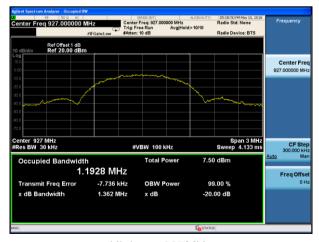
Test plot as follows:



Lowest: 903MHz



Middle: 915MHz



Highest: 927MHz



# 8 Test Setup Photo

Radiated Emission







# **Conducted Emission**





# 9 EUT Constructional Details

















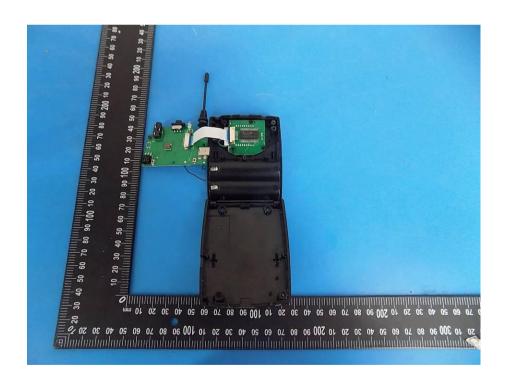




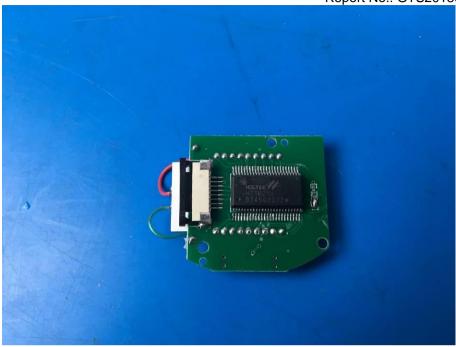


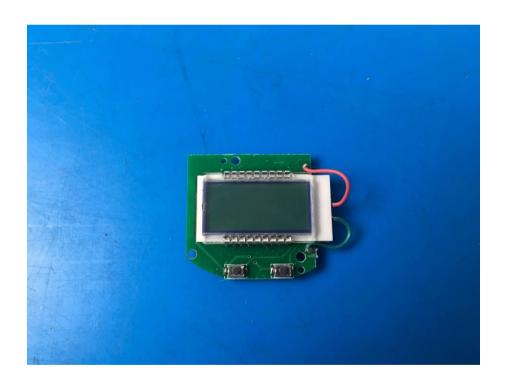


















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