

Global United Technology Services Co., Ltd.

Report No.: GTS201708000125F01

FCC REPORT

Elexa Consumer Products Inc. **Applicant:**

2275 Half Day Road, Suite 333 Bannockbum Illinois 60015 **Address of Applicant:**

United States

ZmartGear Limited Manufacturer:

4/F, Building A3, Digital Tech Park Gaoxin South 7th Rd, Address of Science Park, Nanshan District, Shenzhen 518057 China

Manufacturer:

Equipment Under Test (EUT)

Product Name: Ring Range Extender

Model No.: 4AR1S70EN0

FCC ID: VII-BHARP001

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.249:2017

Date of sample receipt: July 04, 2017

Date of Test: July 05-08, 2017

Date of report issued: July 09, 2017

Test Result: PASS *

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

Authorized Signature:

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	July 09, 2017	Original

Prepared By:	Tiger. Che	Date:	July 09, 2017	
	Project Engineer Andy w			
Check By:	Reviewer	<i>Date:</i>	July 09, 2017	



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4 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 C63.4:2014 and ANSI C63.10:2013.

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 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:	Ring Range Extender
Model No.:	4AR1S70EN0
Operation Frequency:	908.4MHz or 916.0MHz
Channel numbers:	2
Modulation type:	Z-wave
Antenna Type:	Integrated antenna
Antenna gain:	-2dBi(declare by Applicant)
	AC 110V~240V, 50/60Hz, 0.15A
Power supply:	OR
	DC 3.7V 110mAh rechargeable battery



5.2 Test mode

Transmitting mode Keep the EUT in continuously transmitting mode

Remark: During the test, the dutycycle >98%, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. 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:

908.4MHz

Axis	Х	Υ	Z
Field Strength(dBuV/m)	89.56	92.82	86.63
916MHz			
Axis	Х	Υ	Z
Field Strength(dBuV/m)	84.43	90.95	88.72

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.: 600491

Global United Technology Services Co., Ltd., Shenzhen 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 files. Registration 600491, June 22, 2016.

• 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.

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

5.6 Other Information Requested by the Customer

None.



6 Test Instruments list

Rad	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	6 Double -ridged waveguide 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	7 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	lanufacturer Model 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		



7 Test results and Measurement Data

7.1 Antenna requirement

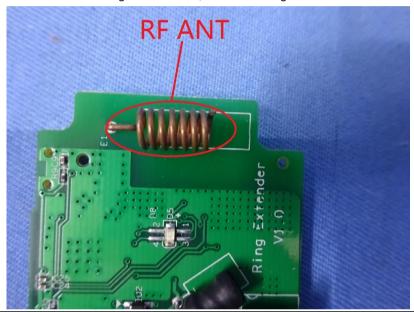
Standard requirement: FCC Part15 C Section 15.203

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 Integrated antenna, the best case gain of the antenna is -2dBi





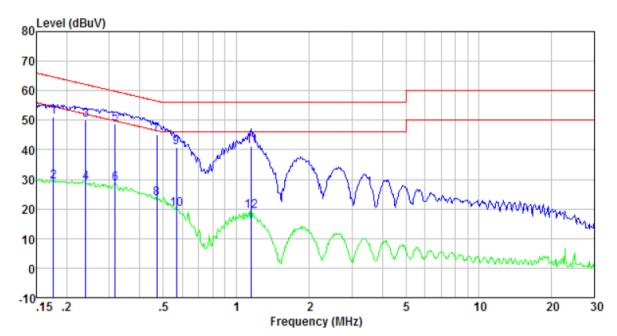
7.2 Conducted Emissions

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, Sv	weep time=auto		
Limit:	Frequency range (MHz)	Limit (c	lBuV)	
	. , ,	Quasi-peak	Average	
	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5	56	46	
	5-30 60 50			
Tool octure	* Decreases with the logarithm of the frequency.			
Test setup:	LISN LISN			
	AUX Equipment Test table/Insulation plane Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m			
Test procedure:	The E.U.T and simulators a line impedance stabilization 50ohm/50uH coupling impedance.	n network (L.I.S.N.). Th	nis provides a	
	 The peripheral devices are LISN that provides a 50ohr termination. (Please refer to photographs). 	n/50uH coupling imped	dance with 50ohm	
	Both sides of A.C. line are interference. In order to fine positions of equipment and according to ANSI C63.10:	d the maximum emission all of the interface cab	on, the relative bles must be changed	
Test Instruments:	Refer to section 6.0 for details	3		
Test mode:	Refer to section 5.2 for details	3		
Test results:	Pass			

Measurement data:



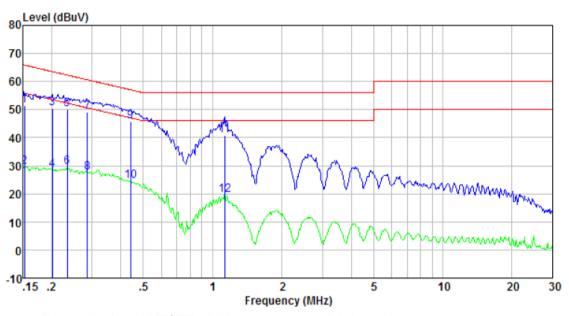
Line:



Freq	Reading level dBuV	1ISN/ISN factor dB	Cable loss dB	level dBuV	Limit level dBuV	Over limit dB	Remark
0.176	50.45	0.42	0.13	51.00	64.68	-13.68	QP
0.176	28.56	0.42	0.13	29.11	54.68	-25.57	Average
0.239	49.54	0.44	0.12	50.10	62.13	-12.03	QP
0.239	28.26	0.44	0.12	28.82	52.13	-23.31	Average
0.317	48.15	0.44	0.10	48.69	59.80	-11.11	QP
0.317	28.02	0.44	0.10	28.56	49.80	-21.24	Average
0.471	44.49	0.39	0.11	44.99	56.49	-11.50	QP
0.471	23.08	0.39	0.11	23.58	46.49	-22.91	Average
0.567	40.43	0.33	0.12	40.88	56.00	-15.12	QP
0.567	19.57	0.33	0.12	20.02	46.00	-25.98	Äverage
1.153	40.63	0.24	0.13	41.00	56.00	-15.00	QP
1 153	18 72	0.24	0.13	19 09	46 00	-26 91	Average



Neutral:



Freq	Reading level	lISN/ISN factor	Cable loss	level	Limit level	Over limit	Remark
MHz	dBu∜	dB	dB	dBu∀	dBu∀	dB	
0.152	51.02	0.41	0.12	51.55	65.87	-14.32	QP
0.152	29.06	0.41	0.12	29.59	55.87	-26.28	Average
0.202	50.05	0.41	0.13	50.59	63.54	-12.95	QP
0.202	28.09	0.41	0.13	28.63	53.54	-24.91	Average
0.234	49.64	0.42	0.12	50.18	62.30	-12.12	QP
0.234	28.89	0.42	0.12	29.43	52.30	-22.87	Average
0.286	48.75	0.42	0.10	49.27	60.63	-11.36	QP
0.286	27.17	0.42	0.10	27.69	50.63	-22.94	Average
0.440	45.34	0.38	0.11	45.83	57.07	-11.24	QP
0.440	23.97	0.38	0.11	24.46	47.07	-22.61	Average
1.129	40.44	0.21	0.13	40.78	56.00	-15.22	QP
1, 129	19.15	0.21	0.13	19.49	46.00	-26.51	Average

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.



7.3 Radiated Emission Method

7.3	Radiated Emission M	sion Method								
	Test Requirement:	FCC Part15 C S	Section 15.20	9						
	Test Method:	ANSI C63.10:20	013							
	Test Frequency Range:	30MHz to 10GH	łz							
	Test site:	Measurement D	Distance: 3m							
	Receiver setup:	Frequency	Detector	RBW	VBW	Remark				
		30MHz- 1GHz	Quasi-pea	k 120KHz	300KHz	Quasi-peak Value				
		Above 1GHz	Peak	1MHz	3MHz	Peak Value				
		Above IGHZ	Peak	1MHz	10Hz	Average Value				
	Limit:	Freque	ency	Limit (dBu)		Remark				
	(Field strength of the	908.42	MHz	94.		Average Value				
	fundamental signal)	114.00 Peak Value								
	Limit:	Freque	•	Limit (dBu		Remark				
	(Spurious Emissions)	30MHz-8 88MHz-2		40.		Quasi-peak Value Quasi-peak Value				
		216MHz-9		46.		Quasi-peak Value				
		960MHz-		54.		Quasi-peak Value				
		Above 1	IGH ₇	54.		Average Value				
				74.		Peak Value				
	Limit: (band edge)	harmonics, sha fundamental or	ll be attenuat to the genera	ed by at leas al radiated er	50 dB belo	w bands, except for w the level of the s in Section 15.209,				
	Test setup:	whichever is the lesser attenuation. Below 1GHz Company Com								
		Above 1GHz								



Report No.: GTS201708000125F01 < 1m ... 4m > EUT Tum Table <150cm; Preamplifier-Receiver+ Test Procedure: The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) 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. Test Instruments: Refer to section 6.0 for details 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:

908.4MHz:

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
908.40	94.79	22.25	4.88	29.10	92.82	94.00	-1.18	Vertical
908.40	91.96	22.25	4.88	29.10	89.99	94.00	-4.01	Horizontal

916MHz:

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
916.00	89.50	22.29	2.91	29.10	87.60	94.00	-6.40	Vertical
916.00	92.85	22.29	2.91	29.10	90.95	94.00	-3.05	Horizontal



7.3.2 Spurious emissions

■ Below 1GHz

- DCIOW I	0112							
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
36.64	33.26	11.20	0.63	30.06	15.03	40.00	-24.97	Vertical
50.76	32.58	12.20	0.78	29.99	15.57	40.00	-24.43	Vertical
100.58	31.13	12.10	1.19	29.70	14.72	43.50	-28.78	Vertical
143.83	34.22	7.37	1.53	29.44	13.68	43.50	-29.82	Vertical
155.91	34.07	7.85	1.60	29.38	14.14	43.50	-29.36	Vertical
167.82	34.45	8.33	1.67	29.33	15.12	43.50	-28.38	Vertical
47.66	26.31	12.23	0.75	30.01	9.28	40.00	-30.72	Horizontal
100.23	26.90	12.10	1.19	29.70	10.49	43.50	-33.01	Horizontal
141.83	27.94	7.37	1.52	29.45	7.38	43.50	-36.12	Horizontal
249.43	26.49	11.85	2.12	29.64	10.82	46.00	-35.18	Horizontal
419.11	26.33	15.86	2.94	29.46	15.67	46.00	-30.33	Horizontal
833.32	26.20	21.59	4.58	29.17	23.20	46.00	-22.80	Horizontal



■ Above 1GHz

Peak value:

908.4MHz

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
1816.80	43.33	25.34	4.87	36.29	37.25	74.00	-36.75	Vertical
2725.20	44.58	28.20	5.69	36.97	41.50	74.00	-32.50	Vertical
3633.60	43.46	29.17	7.23	37.39	42.47	74.00	-31.53	Vertical
4542.00	38.74	30.44	8.10	37.55	39.73	74.00	-34.27	Vertical
5450.40	34.86	31.89	9.45	37.06	39.14	74.00	-34.86	Vertical
1816.80	44.05	25.34	4.87	36.29	37.97	74.00	-36.03	Horizontal
2725.20	44.43	28.20	5.69	36.97	41.35	74.00	-32.65	Horizontal
3633.60	42.08	29.17	7.23	37.39	41.09	74.00	-32.91	Horizontal
4542.00	38.54	30.44	8.10	37.55	39.53	74.00	-34.47	Horizontal
5450.40	34.27	31.89	9.45	37.06	38.55	74.00	-35.45	Horizontal

916.00MHz

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
1832.00	43.55	25.42	4.87	34.17	39.67	74.00	-34.33	Vertical
2748.00	42.85	28.26	5.71	33.61	43.21	74.00	-30.79	Vertical
3664.00	41.19	29.20	7.27	32.56	45.10	74.00	-28.90	Vertical
4580.00	36.46	31.49	8.40	31.98	44.37	74.00	-29.63	Vertical
5496.00	36.33	31.98	9.49	32.42	45.38	74.00	-28.62	Vertical
1832.00	44.08	25.42	4.87	34.17	40.20	74.00	-33.80	Horizontal
2748.00	43.45	28.26	5.71	33.61	43.81	74.00	-30.19	Horizontal
3664.00	42.22	29.20	7.27	32.56	46.13	74.00	-27.87	Horizontal
4580.00	38.08	31.49	8.40	31.98	45.99	74.00	-28.01	Horizontal
5496.00	36.54	31.98	9.49	32.42	45.59	74.00	-28.41	Horizontal



Average value:

908.4MHz

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
1816.80	42.88	25.34	4.87	36.29	36.80	54.00	-17.20	Vertical
2725.20	44.12	28.20	5.69	36.97	41.04	54.00	-12.96	Vertical
3633.60	43.08	29.17	7.23	37.39	42.09	54.00	-11.91	Vertical
4542.00	38.54	30.44	8.10	37.55	39.53	54.00	-14.47	Vertical
5450.40	34.31	31.89	9.45	37.06	38.59	54.00	-15.41	Vertical
1816.80	43.88	25.34	4.87	36.29	37.80	54.00	-16.20	Horizontal
2725.20	44.13	28.20	5.69	36.97	41.05	54.00	-12.95	Horizontal
3633.60	41.87	29.17	7.23	37.39	40.88	54.00	-13.12	Horizontal
4542.00	37.95	30.44	8.10	37.55	38.94	54.00	-15.06	Horizontal
5450.40	33.58	31.89	9.45	37.06	37.86	54.00	-16.14	Horizontal

916.00MHz

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
1832.00	42.74	25.42	4.87	34.17	38.86	54.00	-15.14	Vertical
2748.00	41.56	28.26	5.71	33.61	41.92	54.00	-12.08	Vertical
3664.00	39.82	29.20	7.27	32.56	43.73	54.00	-10.27	Vertical
4580.00	35.44	31.49	8.40	31.98	43.35	54.00	-10.65	Vertical
5496.00	34.27	31.98	9.49	32.42	43.32	54.00	-10.68	Vertical
1832.00	43.84	25.42	4.87	34.17	39.96	54.00	-14.04	Horizontal
2748.00	41.18	28.26	5.71	33.61	41.54	54.00	-12.46	Horizontal
3664.00	38.04	29.20	7.27	32.56	41.95	54.00	-12.05	Horizontal
4580.00	35.54	31.49	8.40	31.98	43.45	54.00	-10.55	Horizontal
5496.00	33.39	31.98	9.49	32.42	42.44	54.00	-11.56	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.



7.3.3 Bandedge emissions

All of the restriction bands were tested, and only the data of worst case was exhibited. 908.4MHz:

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	27.04	22.22	4.87	29.1	25.03	46.00	Horizontal
902.00	27.33	22.22	4.87	29.1	25.32	46.00	Vertical
928.00	28.34	22.36	4.96	29.1	26.56	46.00	Horizontal
928.00	29.41	22.36	4.96	29.1	27.63	46.00	Vertical

916MHz:

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	26.76	22.22	4.87	29.1	24.75	46.00	Horizontal
902.00	27.24	22.22	4.87	29.1	25.23	46.00	Vertical
928.00	41.38	22.36	4.96	29.1	39.60	46.00	Horizontal
928.00	32.57	22.36	4.96	29.1	30.79	46.00	Vertical

Remark:

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



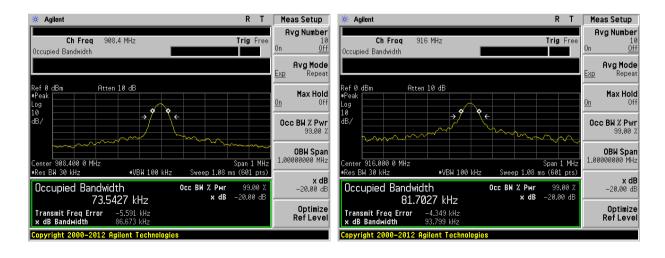
7.4 20dB Occupy Bandwidth

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 Frequency	20dB bandwidth(MHz)	Result
908.4	0.087	Pass
916.0	0.094	

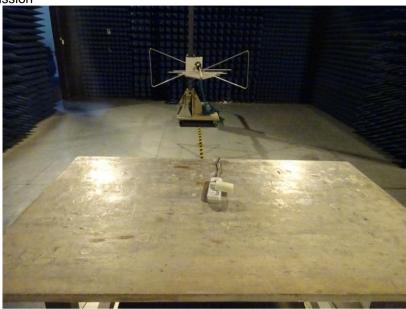
Test plot as follows:

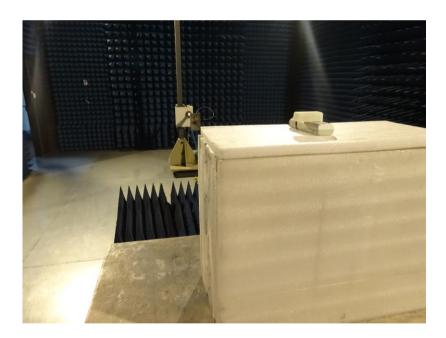




8 Test Setup Photo

Radiated Emission







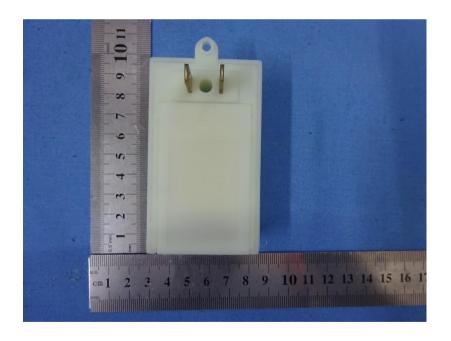
Conducted Emission



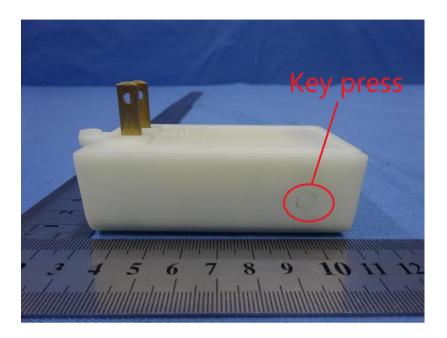


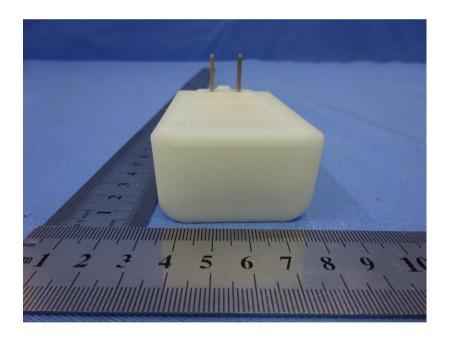
9 EUT Constructional Details





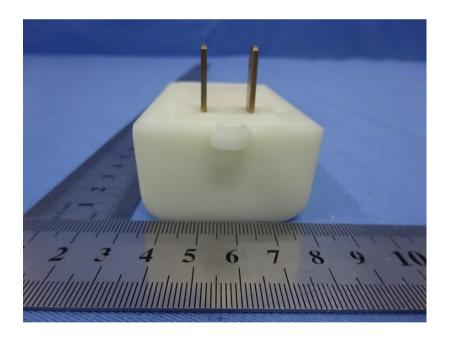




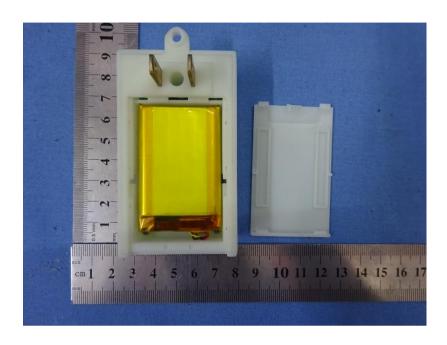


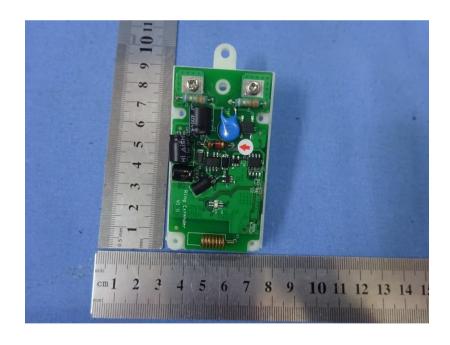




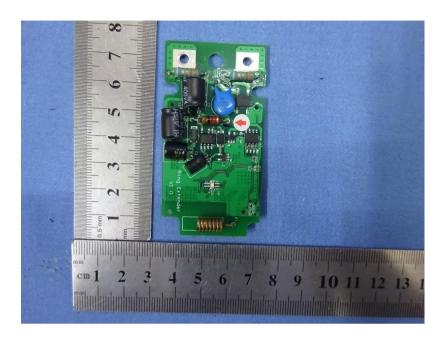


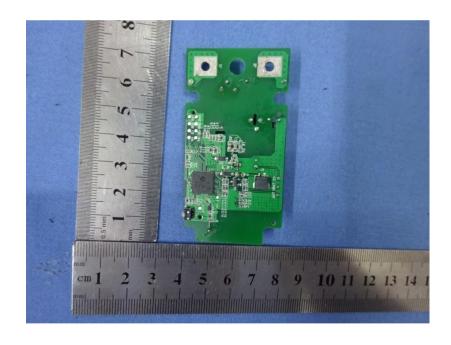
















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