RF TEST REPORT



Report No.: 17020980-FCC-R1 Supersede Report No · N/A

Supersede Report No.: N/A				
Applicant	Shanghai Smarfid Security Equipment Co.,Ltd.			
Product Name	Remote Transmitter			
Main Model	REB3040	REB3040		
Serial Model	N/A			
Test Standard	FCC Part 15.231	: 2017, ANSI C63.10: 2013		
Test Date	March 14 to Mar	March 14 to March 15, 2018		
Issue Date	March 16, 2018			
Test Result	🖂 Pass 🛛 Fail			
Equipment complied with the specification				
Equipment did not comply with the specification				
Trety.	lu	Deon Dai		
Trety Lu Test Engineer		Engineer Reviewer		
This test report may be reproduced in full only Test result presented in this test report is applicable to the tested sample only				

Issued by: SIEMIC (Nanjing-China) Laboratories 2-1 Longcang Avenue Yuhua Economic and Technology Development Park, Nanjing, China Tel:+86(25)86730138 Fax:+86(25)86730127 Email: China@siemic.com.cn



Test Report No.	17020980-FCC-R1
Page	2 of 32

Laboratories Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

Accreditations for Conformity Assessment

Scope
EMC , RF/Wireless , Telecom
EMC, RF/Wireless, Telecom
EMC, RF, Telecom , Safety
RF/Wireless ,Telecom
EMC, RF, Telecom , Safety
EMI, EMS, RF, Telecom, Safety
EMI, RF/Wireless, Telecom
EMC , RF , Telecom
EMC, RF, Telecom , Safety



Test Report No.	17020980-FCC-R1
Page	3 of 32

This page has been left blank intentionally.



 Test Report No.
 17020980-FCC-R1

 Page
 4 of 32

<u>CONTENTS</u>

1.	REPORT REVISION HISTORY
2.	CUSTOMER INFORMATION
3.	TEST SITE INFORMATION
4.	EQUIPMENT UNDER TEST (EUT) INFORMATION
5.	TEST SUMMARY7
6.	MEASUREMENTS, EXAMINATION AND DERIVED RESULTS
6.1 A	NTENNA REQUIREMENT
6.2 A	C CONDUCTED EMISSIONS VOLTAGE9
6.3 2	DDB OCCUPIED BANDWIDTH10
	ADIATED FUNDAMENTAL AND SPURIOUS EMISSION12
6.5 D	EACTIVATION19
ANN	EX A. TEST INSTRUMENT
ANN	EX B. EUT AND TEST SETUP PHOTOGRAPHS22
ANN	EX C. TEST SETUP AND SUPPORTING EQUIPMENT
ANN	EX D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PARTLIST
ANN	EX E. DECLARATION OF SIMILARITY



 Test Report No.
 17020980-FCC-R1

 Page
 5 of 32

1. <u>Report Revision History</u>

Report No.	Report Version	Description	Issue Date
17020980-FCC-R1	NONE	Original	March 16, 2018

2. Customer information

Applicant Name	Shanghai Smarfid Security Equipment Co.,Ltd.
Applicant Add	No. 88, Lane 600, XinLi Road, Minhang District, Shanghai, 201615, China
Manufacturer Name	Shanghai Smarfid Security Equipment Co., Ltd.
Manufacturer Add	No. 88, Lane 600, XinLi Road, Minhang District, Shanghai, 201615, China

3. <u>Test site information</u>

Lab performing tests	SIEMIC (Nanjing-China) Laboratories
Lab Add	2-1 Longcang Avenue Yuhua Economic and
Lab Add	Technology Development Park, Nanjing, China
FCC Test Site No.	694825
IC Test Site No.	4842B-1
Test Software	EZ_EMC



Test Report No.	17020980-FCC-R1
Page	6 of 32

4. Equipment Under Test (EUT) Information

Description of EUT:	Remote Transmitter	
Main Model:	REB3040	
Serial Model:	N/A	
Date EUT received:	October 18, 2017	
Test Date(s):	March 14 to March 15, 2018	
Antenna Gain:	8dBi	
Type of Modulation:	OOK	
RF Operating Frequency (ies):	433.95MHz(Tx)	
Number of Channels:	1 CH	
Port:	N/A	
Power:	DC6V	
Trade Name:	N/A	
FCC ID:	X3A-REB3040	



 Test Report No.
 17020980-FCC-R1

 Page
 7 of 32

5. Test Summary

The product was tested in accordance with the following specifications. All testing has been performed according to below product classification:

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207	Conducted Emissions Voltage	N/A*
§15.231(b)	Fundamental & Radiated Spurious Emission	Compliance
§15.231(c)	20dB Bandwidth	Compliance
§15.231(a)(1)	Deactivation	Compliance

Note: Preliminary radiated emission testing has been performed on X, Y, Z axis, only worst case test result is presented in this test report.

Measurement Uncertainty

Emissions			
Test Item	Description	Uncertainty	
Radiated Spurious Emissions	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	3.92dB	

N/A*: EUT is Power Supply by Battery



Test Report No.	17020980-FCC-R1
Page	8 of 32

6. Measurements, Examination And Derived Results

6.1 Antenna Requirement

Applicable Standard

Requirement(s): 47 CFR §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.

Antenna requirement must meet at least one of the following:

- a) Antenna must be permanently attached to the device.
- b) Antenna must use a unique type of connector to attach to the device.
- c) Device must be professionally installed. Installer shall be responsible for ensuring that the correct antenna is employed with the device.

The antenna is permanently attached to the device which meets the requirement.

Result: Compliance.



Test Report No. 17020980-FCC-R1

Page

9 of 32

6.2 AC Conducted Emissions Voltage

Temperature	-
Relative Humidity	-
Atmospheric Pressure	-
Test date :	-
Tested By :	-

Conducted Emission Limit

Frequency ranges	Limit (dBµV)	
(MHz)	QP	Average
0.15 ~ 0.5	66 – 56	56 – 46
0.5 ~ 5	56	46
5 ~ 30	60	50

Spec	Item	Requirement	Applicable
47CFR§15.20 7, RSS210 (A8.1)	a)	For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 [mu]H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequency ranges.	
Test Setup		Vertical Ground Reference Plane EUT EUT EUT Boom Horizontal Ground Reference Plane Note: 1.Support units were connected to second LISN. 2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.	
Procedure	-	The EUT and supporting equipment were set up in accordance with the r of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table, as Annex B. The power supply for the EUT was fed through a 50W/50mH EUT LISN, filtered mains. The RF OUT of the EUT LISN was connected to the EMI test receiver via coaxial cable. All other supporting equipment were powered separately from another m	shown in connected to a a low-loss
Remark	EUT is	Power Supply by Battery	
Result	⊠N/A	🗆 Fail	



 Test Report No.
 17020980-FCC-R1

 Page
 10 of 32

6.3 20dB Occupied Bandwidth

Temperature	25°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
Test date :	March 15, 2018
Tested By :	Trety Lu

Spec	Item Requirement			
§15.231(c)	a)	a) The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz.		
	 b) For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. 			
Test Setup		Spectrum Analyzer EUT		
Test Procedure	 <u>20dB Emission bandwidth measurement procedure</u> Set RBW = 30 kHz. Set the video bandwidth (VBW) ≥3*RBW. Detector = Peak. Trace mode = max hold. Sweep = auto couple. Allow the trace to stabilize. Measure the maximum width of the emission that is constrained by the frequence associated with the two outermost amplitude points (upper and lower frequencie that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission. 		frequencies)	
Remark				
Result	⊠Pas	s ⊡Fail		
Test Data ⊠Yes Test Plot ⊠Yes		□N/A □N/A		



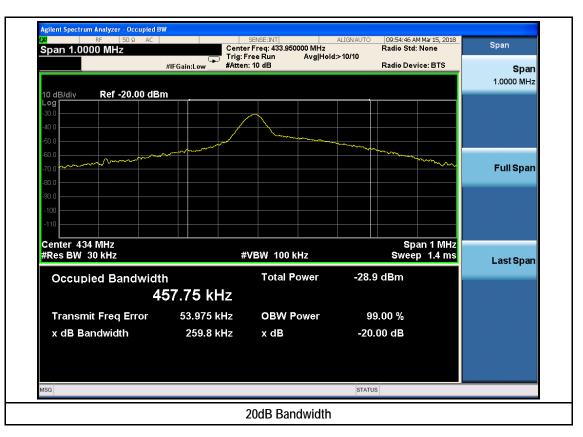
Test Report No.	17020980-FCC-R1
Page	11 of 32

20dB Bandwidth measurement result

-	Туре	Freq (MHz)	СН	Measured 20dB Bandwidth (kHz)	Limit (kHz)	Result
	20dB BW	433.95	1 CH	259.8	1084.875	Pass

Test Plots

20dB Bandwidth measurement result





 Test Report No.
 17020980-FCC-R1

 Desc.
 40 - 620

Page

12 of 32

6.4 Radiated Fundamental and Spurious Emission

Temperature	25°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
Test date :	March 14 to March 15, 2018
Tested By :	Trety Lu

Requirement(s):

Spec				Applicable	
		Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges			
\$15 001(b)		Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)	
§15.231(b)	a)	40.66-40.70 70-130	2250 1250	225 125	
		130-174	1250 to 3750 3750	125 to 375 375	
		<u>174-260</u> 260-470	3750-12500	375 to 1250	
		Above 470	12500	1250	
		Note: All 3 axes hav	/e been investigated. Only the test report.	worst case is presented in	
	A: <1G	Hz			
Test Setup	Ant. Tower LuT& 3m Support Units Turn Table Ground Plane Test Receiver				
	B: >1GH	B: >1GHz			



Test Report No.	17020980-FCC-R1	
Page	13 of 32	

	Ant. Tower Support Units Turn Table Ground Plane Test Receiver
Procedure	 The EUT was switched on and allowed to warm up to its normal operating condition. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen. The EUT was then rotated to the direction that gave the maximum emission. Finally, the antenna height was adjusted to the height that gave the maximum emission. A Quasi-peak measurement was then made for that frequency point. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.
Remark	
Result	🖾 Pass 🛛 🖂 Fail
Data sample	es (See below)
No. Frequency (MHz)	Reading Detector Ant_F PA_G Cab_L Result Limit Margin Height Degree (dBμV/m) (dB/m) (dB) (dB) (dBµV/m) (dBµV/m) (dB) (cm) (°)

Frequency (MHz) = Emission frequency in MHz

Reading $(dB\mu V/m)$ = Receiver Reading Value

Detector= Peak Detector or Quasi Peak Detector

Ant_F=Antenna Factor

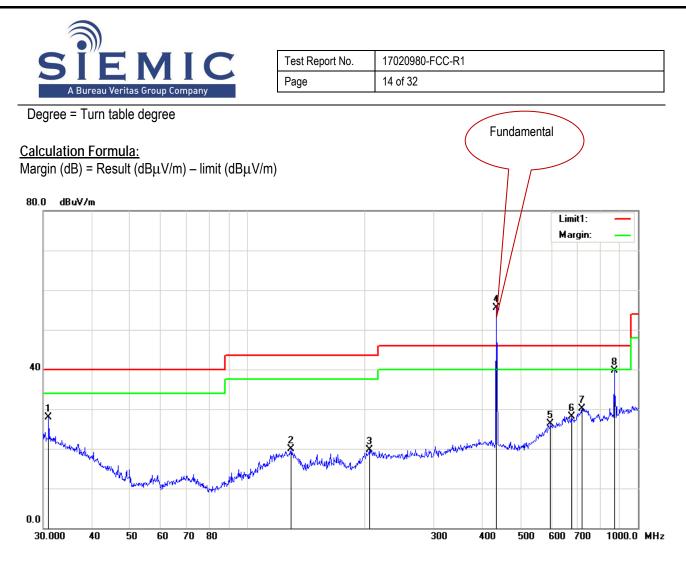
PA_G=Pre-Amplifier Gain

Cab_L=Cable Loss

Result (dB μ V/m) = Read ing Value + Corrected Value

Limit (dB μ V/m) = Limit stated in standard

Height (cm) = Height of Receiver antenna



Vertical Polarity Plot @3m

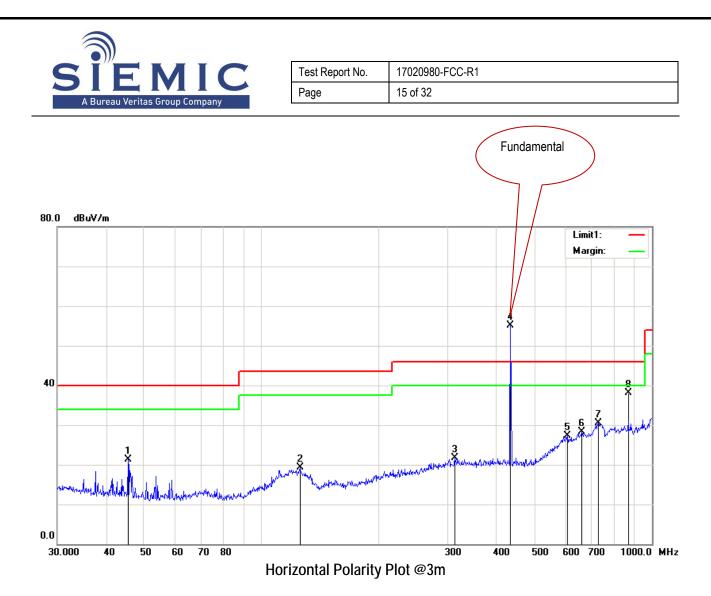
Field strength of fundamental Result

No.	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
	(MHz)	(dBµV/m)		(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	(cm)	(°)
4	433.95	84.95	Pk	16.43	49.13	3.35	55.60	100.83	-45.23	200	123
4	433.95	-	Ave	-	-	-	46.71	80.83	-34.12	-	-

Field strength of spurious emissions Result

No.	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
	(MHz)	(dBµV/m)		(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	(cm)	(°)
8	867.9	58.18	peak	22.99	46.15	4.76	39.78	80.83	-41.05	100	102
8	867.9	-	Ave	-	-	-	30.89	60.83	-29.94	-	-

Notes: Duty cycle is 35.95%, 20log (duty cycle) = -8.89dB correction was used to determine the average level from the peak reading. Average = peak reading + 20log (duty cycle), Final Average= peak reading-8.89dB



Field strength of fundamental Result

No.	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
	(MHz)	(dBµV/m)		(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	(cm)	(°)
4	433.95	84.90	Pk	16.00	49.13	3.35	55.12	100.83	-45.71	100	198
4	433.95	-	Ave	-	-	-	46.23	80.83	-34.60	-	-

Field strength of spurious emissions Result

No.	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
	(MHz)	(dBµV/m)		(dB/m)	(dB)	(dB)	(dBµV/m)	(dB µ V/m)	(dB)	(cm)	(°)
8	867.9	56.59	peak	22.79	46.12	4.76	38.02	80.83	-42.81	200	98
8	867.9	-	Ave	-	-	-	29.13	60.83	-31.70	-	-

Notes: Duty cycle is 35.95%, 20log (duty cycle) = -8.89dB correction was used to determine the average level from the peak reading. Average = peak reading + 20log (duty cycle), Final Average= peak reading-8.89dB



Test Report No.	17020980-FCC-R1
Page	16 of 32

Spurious Emissions (< 1GHz) Measurement Result

Vertical Polarity Plot @3m

No.	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
	(MHz)	(dBµV/m)		(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	(cm)	(°)
1	30.9619	51.75	peak	21.04	45.68	0.89	28.00	40.00	-12.00	100	283
2	129.4678	48.87	peak	16.34	47.26	1.86	19.81	43.50	-23.69	100	31
3	204.9551	49.95	peak	14.85	47.46	2.28	19.62	43.50	-23.88	200	182
5	597.2234	51.05	peak	20.12	48.69	3.92	26.40	46.00	-19.60	200	143
6	675.2080	49.31	peak	22.01	47.36	4.17	28.13	46.00	-17.87	100	251
7	719.1995	49.06	peak	22.39	45.75	4.31	30.01	46.00	-15.99	200	351

Horizontal Polarity Plot @3m

	nonzontari olarity not com												
No.	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree		
	(MHz)	(dBµV/m)		(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	(cm)	(°)		
1	45.5348	55.76	peak	10.36	46.06	1.16	21.22	40.00	-18.78	100	332		
2	125.4457	48.68	peak	15.70	46.96	1.82	19.24	43.50	-24.26	100	223		
3	312.1794	50.70	peak	16.79	48.52	2.83	21.80	46.00	-24.20	200	232		
5	607.7867	49.96	peak	21.35	48.03	3.96	27.24	46.00	-18.76	200	314		
6	661.1505	50.97	peak	21.96	48.84	4.12	28.21	46.00	-17.79	100	25		
7	729.3583	49.03	peak	22.58	45.46	4.34	30.49	46.00	-15.51	200	265		

Notes:

1. Duty cycle is 35.95%, 20log (duty cycle) = -8.89dB correction was used to determine the average level from the peak reading. Average = peak reading + 20log (duty cycle), Final Average= peak reading -8.89dB

2. All the data measurement of peak values.

3. FCC Limit for Average Measurement=41.67* (433.95MHz)-7083.3333=10999.3632µV/m=80.83dBµV/m

4. Average pulsed signal over one complete pulse train or 100 ms time frame if pulse train exceeds 100 ms

5. Maximum average in 100 ms

6. Calculate duty cycle for pulse train or 100 ms

7. Duty cycle = (t1 + t2 + t3 + ...tn)/T where tn = pulse width, T = pulse train length or 100 ms



 Test Report No.
 17020980-FCC-R1

 Page
 17 of 32

Spurious Emissions (> 1GHz) Measurement Result

Frequency GHz	Reading (dBµV/m)	Direction Degree	Height Meter	Polar H/V	Ant_F (dB/M)	PA_G (dB)	Cab_L (dB)	correct (dBµV/m)	FCC 15.231 Limit (dBµV/m)	Margin	Comments
1.306	68.94	46	2.00	Н	26.5	48.42	2.85	49.87	74.00	-24.13	Peak
1.306	-	-	-	Н	-	-	-	40.98	54.00	-13.02	Ave
1.731	67.13	63	2.00	Н	29.74	50.96	3.99	49.90	80.83	-30.93	Peak
1.731	-	-	-	Н	-	-	-	41.01	60.83	-19.82	Ave
1.901	76.74	64	1.00	Н	30.73	51.77	3.98	59.68	80.83	-21.15	Peak
1.901	-	-	-	Н			-	50.79	60.83	-10.04	Ave
2.173	69.16	360	1.68	Н	31.4	52.38	4.17	52.35	80.83	-28.48	Peak
2.173	-	-	-	Н			-	43.46	60.83	-17.37	Ave
2.598	62.85	48	1.38	Н	31.59	52.67	4.13	45.90	80.83	-34.93	Peak
2.598	-	-	-	Н			-	37.01	60.83	-23.82	Ave
4.536	57.69	223	2.54	Н	32.58	52.14	5.96	44.09	74.00	-29.91	Peak
4.536	-	-	-	Η			-	35.20	54.00	-18.80	Ave
1.306	70.39	305	2.00	V	26.5	48.42	2.85	51.32	74.00	-22.68	Peak
1.306	-	-	-	V			-	42.43	54.00	-11.57	Ave
1.765	70.63	360	1.00	V	29.94	51.12	4.01	53.46	80.83	-27.37	Peak
1.765	-	-	-	V			-	44.57	60.83	-16.26	Ave
1.901	77.36	259	2.00	V	30.73	51.77	3.98	60.3	80.83	-20.53	Peak
1.901	-	-	-	V			-	51.41	60.83	-9.42	Ave
2.173	69.76	289	2.00	V	31.4	52.38	4.17	52.95	80.83	-27.88	Peak
2.173	-	-	-	V			-	44.06	60.83	-16.77	Ave
3.04	63.42	312	2.00	V	31.55	52.82	4.5	46.65	80.83	-34.18	Peak
3.04	-	-	-	V			-	39.12	60.83	-21.71	Ave
4.179	58.76	155	2.00	V	31.79	52.62	6.09	44.02	80.83	-36.81	Peak
4.179		-	-	V			-	35.13	60.83	-25.70	Ave

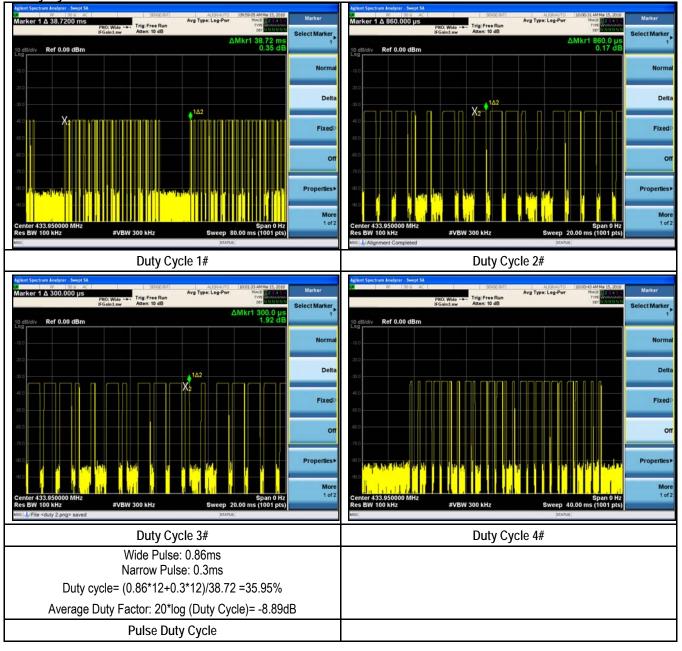
Note: Duty cycle is 35.95%, 20log (duty cycle) = -8.89dB correction was used to determine the average level from the peak reading. Average = peak reading + 20log (duty cycle), final Average= peak reading -8.89dB

Note: Narrow Pulse: 0.3ms 2/NP = 2/0.3ms =6.67kHz RBW > 2/NP (6.67kHz) Therefore PDCF is not needed.



Test Report No.	17020980-FCC-R1
Page	18 of 32

Duty Cycle Measurement Result





 Test Report No.
 17020980-FCC-R1

 Page
 19 of 32

6.5 Deactivation

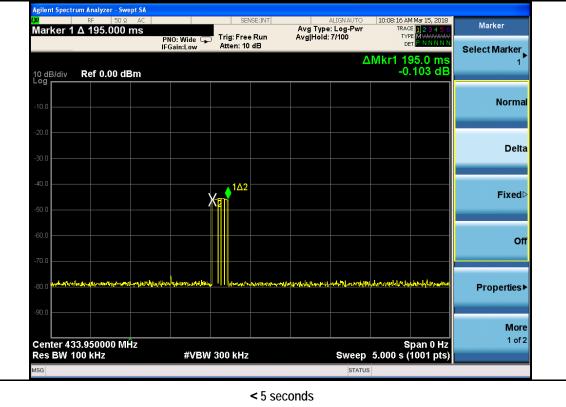
Temperature		25	5°C		
Relative Humidity)%		
Atmospheric Pressure)19mbar		
Test date :			arch 15, 2018		
Tested By :		Tr	ety Lu		
Requirement(s):					
Spec	Item	Requirement		Applicable	
§15.231 (a)(1)	a)		ter shall employ a switch that will ransmitter within not more than 5		
Test Setup		Spectrum Analyzer	EUT		
Test Procedure	<u>measure</u> - - - - - - - -	ement procedure Set analyzer center frequency t Set the span to 0Hz. Set the RBW=100KHz Set the VBW \geq 3 ´ RBW. Detector = peak. Sweep time = auto couple. Trace mode = max hold. Allow trace to fully stabilize.	o channel center frequency.		
Remark					
Result	🔀 Pass				
Test Data □Yes ⊠N/A Test Plot ⊠Yes (See below) □N/A					



Test Report No.	17020980-FCC-R1
Page	20 of 32

Test Plots

Deactivation Measurement Result





Test Report No. 17020980-FCC-R1 Page

21 of 32

Annex A. TEST INSTRUMENT

t	Marial	Control #	0.1 0.1	0.1 D	
Instrument	Model	Serial #	Cal Date	Cal Due	In use
AC Line Conducted Emissions	5	Γ	T	Γ	
R&S EMI Test Receiver	ESPI3	101216	05/03/2017	05/02/2018	
V-LISN	ESH3-Z5	838979/005	05/03/2017	05/02/2018	
SIEMIC EZ_EMC software Conducted Emissions	Ver.ICP-03A1	N/A	N/A	N/A	
RF conducted test					
Agilent Technologies Spectrum Analyzer	N9010A	MY47191130	05/03/2017	05/02/2018	
Temperature/Humidity Chamber	1007H	N/A	01/07/2018	01/06/2019	\boxtimes
Radiated Emissions					
Agilent Technologies Spectrum Analyzer	N9010A	MY47191130	05/03/2017	05/02/2018	\boxtimes
R&S EMI Receiver	ESPI3	101216	05/03/2017	05/02/2018	
Antenna (30MHz~6GHz)	JB6	A121411	10/31/2017	10/31/2018	
EMCO Horn Antenna (1 ~18GHz)	3115	N/A	10/09/2017	10/08/2018	
Hp Agilent Pre-Amplifier	8447F	1937A01160	10/27/2017	10/26/2018	\boxtimes
Pre-Amplifier	8449B	3008A02224	10/30/2017	10/30/2018	
SIEMIC EZ_EMC software Radiated Emissions	Ver.ICP-03A1	N/A	N/A	N/A	



Test Report No. 17020980-FCC-R1 Page

22 of 32

Annex B. EUT And Test Setup Photographs

Photograph: EUT External Photos Annex B.i.



Top View of EUT



Bottom View of EUT



 Test Report No.
 17020980-FCC-R1

 Page
 23 of 32



Front View of EUT



Rear View of EUT



Test Report No. 17020980-FCC-R1

Page

24 of 32



Left View of EUT



Right View of EUT

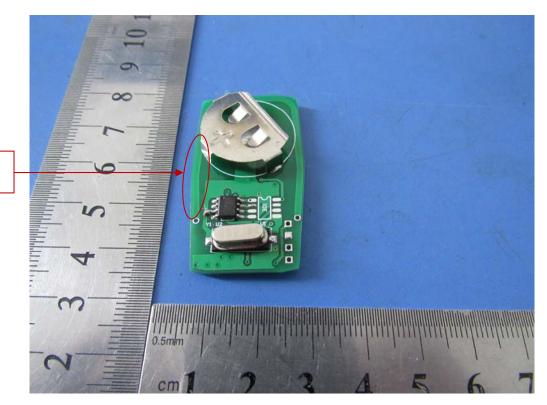


Test Report No.	17020980-FCC-R1
Page	25 of 32

Annex B.ii. Photograph EUT Internal Photos



EUT Uncover- Front View

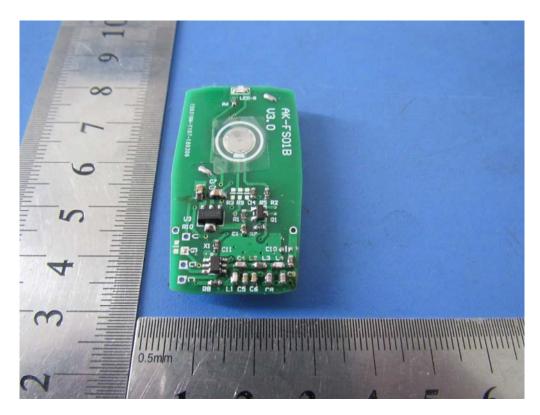


EUT PCBA - Front View

Antenna



Test Report No.	17020980-FCC-R1
Page	26 of 32

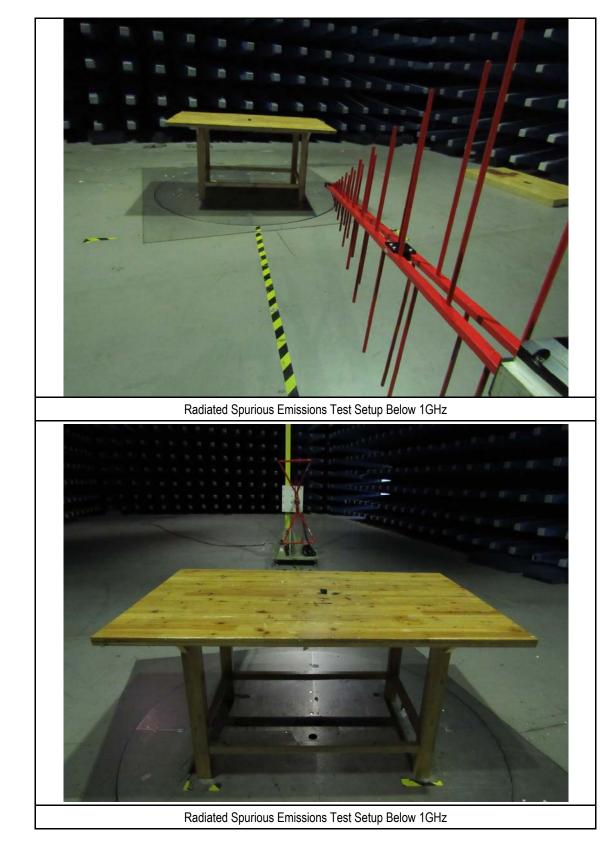


EUT PCBA – Rear View



Test Report No.	17020980-FCC-R1
Page	27 of 32

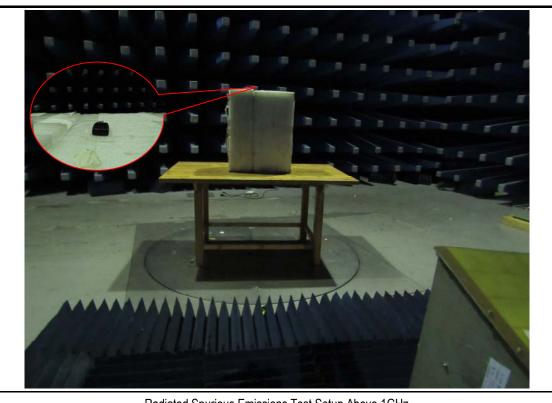
Annex B.iii. Photograph: Test Setup Photo





Test Report No. 17020980-FCC-R1 Page

28 of 32



Radiated Spurious Emissions Test Setup Above 1GHz



Test Report No. 17020980-FCC-R1

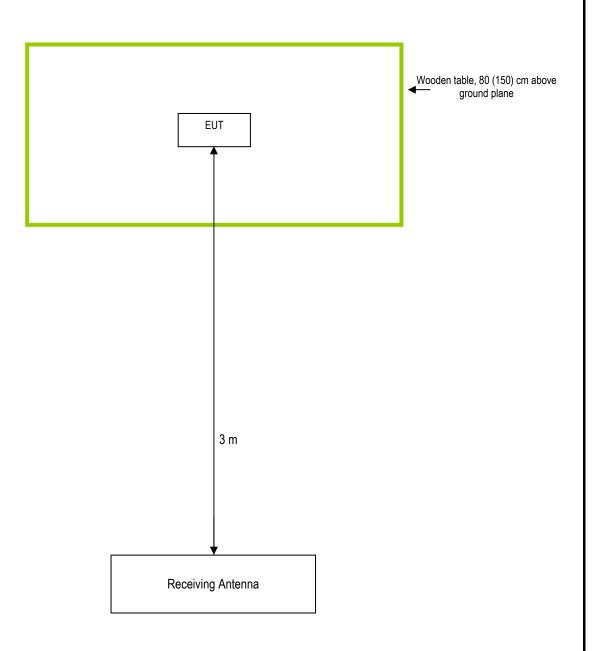
29 of 32

Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Page

Annex C.i. TEST SET UP BLOCK

Block Configuration Diagram for Radiated Emissions





Test Report No.	17020980-FCC-R1
Page	30 of 32

Annex C. ii. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Manufacturer	Equipment Description	Model
N/A	N/A	N/A



Test Report No.	17020980-FCC-R1	
Page	31 of 32	

31 of 32

Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see attachment



Test Report No.	17020980-FCC-R1	
Page	32 of 32	

Annex E. DECLARATION OF SIMILARITY

N/A