RF TEST REPORT



Report No.: 16020762-FCC-R1 Supersede Report No.: N/A

Applicant	Shanghai Sm	arfid Security Equipment Co.,Ltd.	
Product Name	Magic MINI DesFire Reader		
Main Model	MD382-8N		
Serial Model	N/A		
Test Standard	FCC Part 15.2	225: 2016, ANSI C63.10: 2013	
Test Date	September 19	to September 27, 2017	
Issue Date	September 27	7, 2017	
Test Result	⊠ Pass [☐ Fail	
Equipment complied	d with the spec	cification 🖂	
Equipment did not c	omply with th	e specification \square	
Trety.l	и	Deon Dai	
Trety Lu Test Engin		Deon Dai Engineer Reviewer	
	This tes	st report may be reproduced in full only	1
Test resu	It presented in	this test report is applicable to the test	ted sample only

Issued by:

SIEMIC (Nanjing-China) Laboratories

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Laboratories Introduction

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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

Accordance for comorning Accosmon		
Country/Region	Scope	
USA	EMC, RF/Wireless, SAR, Telecom	
Canada	EMC, RF/Wireless, SAR, Telecom	
Taiwan	EMC, RF, Telecom, SAR, Safety	
Hong Kong	RF/Wireless, SAR, Telecom	
Australia	EMC, RF, Telecom, SAR, Safety	
Korea	EMI, EMS, RF, SAR, Telecom, Safety	
Japan	EMI, RF/Wireless, SAR, Telecom	
Singapore	EMC, RF, SAR, Telecom	
Europe	EMC, RF, SAR, Telecom, Safety	



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1. Report Revision History

Report No.	Report Version	Description	Issue Date
16020762-FCC-R1	NONE	Original	September 27, 2017

2. <u>Customer information</u>

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

3. Test site information

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



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4. Equipment Under Test (EUT) Information

Description of EUT: Magic MINI DesFire Reader

Main Model: MD382-8N

Serial Model: N/A

Date EUT received: September 15, 2017

Test Date(s): September 19 to September 27, 2017

Antenna Gain: 13.56MHz: 6dBi

Type of Modulation: ASK

RF Operating Frequency (ies): 13.56MHz

Number of Channels: 1 CH

Input Power: 9-15V

Trade Name : N/A

FCC ID: X3A-MD3828N



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5. <u>Test Summary</u>

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(a)	Conducted Emissions Voltage	Compliance		
§15.225(a)	Fundamental Field Strength	Compliance		
§15.225(b)	Fundamental Field Strength Compliance			
§15.225(c)	Fundamental Field Strength Compliance			
§15.225(d),15.209	Radiated Emissions	Compliance		
§15.225(e)	Frequency Stability Compliance			
§15.215(c)	Occupied Bandwidth Compliance			

Measurement Uncertainty

Emissions						
Test Item	Description	Uncertainty				
Conducted Emissions &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)	1.634dB / 3.952dB				



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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.



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6.2 Conducted Emissions Voltage

Temperature	25°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
Test date :	September 19, 2017
Tested By:	Trety Lu

Conducted Emission Limit

Frequency ranges	Lin	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	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 But 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								
Result	⊠Pass	s □Fail						



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Data sample Data sample

No.	Frequency	Reading	Detector	Lisn/Isn	Ps_Lmt	Cab_L	Result	Limit	Margin
	(MHz)	(dBµV)		(dB)	(dB)	(dB)	(dBµV)	(dBµV)	(dB)

Frequency (MHz) = Emission frequency in MHz

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

Detector=Quasi Peak Detector or Average Detector

Lisn/ISN= Insertion loss of LISN

Ps_Lmt= Insertion loss of transient limiter (The transient limiter included 10dB attenuation)

Cab_L= cable loss

Result ($dB\mu V$) = Reading Value + Corrected Value

Limit (dB μ V) = Limit stated in standard

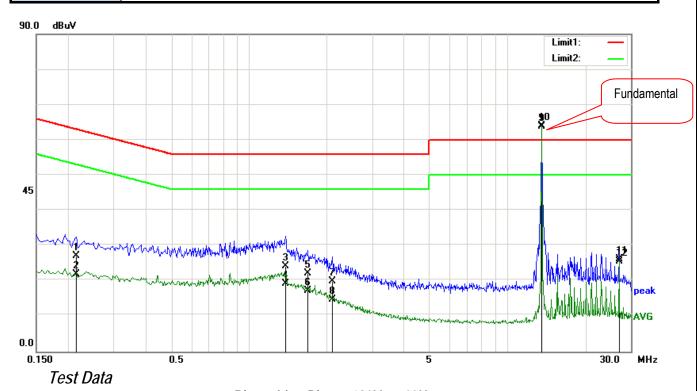
Calculation Formula:

Margin (dB) = Result (dB μ V) – limit (dB μ V)



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Test Mode: Transmitting Mode



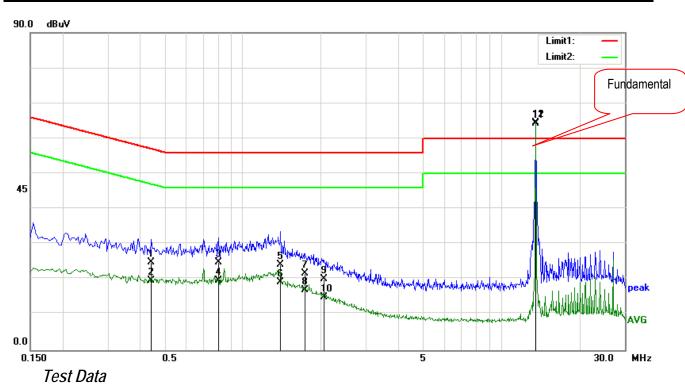
Phase Line Plot at 120Vac, 60Hz

No.	Frequency	Reading	Detector	Lisn/Isn	Ps_Lmt	Cab_L	Result	Limit	Margin
	(MHz)	(dBµV)		(dB)	(dB)	(dB)	(dBµV)	(dBµV)	(dB)
1	0.2140	16.74	QP	0.10	-10.00	0.26	27.10	63.05	-35.95
2	0.2140	11.54	AVG	0.10	-10.00	0.26	21.90	53.05	-31.15
3	1.3860	13.81	QP	0.15	-10.00	0.20	24.16	56.00	-31.84
4	1.3860	8.79	AVG	0.15	-10.00	0.20	19.14	46.00	-26.86
5	1.6980	11.80	QP	0.15	-10.00	0.21	22.16	56.00	-33.84
6	1.6980	6.92	AVG	0.15	-10.00	0.21	17.28	46.00	-28.72
7	2.1060	9.57	QP	0.16	-10.00	0.20	19.93	56.00	-36.07
8	2.1060	4.27	AVG	0.16	-10.00	0.20	14.63	46.00	-31.37
9	13.5620	52.60	QP	0.75	-10.00	0.48	63.83	60.00	3.83
10	13.5620	52.77	AVG	0.75	-10.00	0.48	64.00	50.00	14.00
11	27.1220	14.38	QP	1.26	-10.00	0.67	26.31	60.00	-33.69
12	27.1220	13.62	AVG	1.26	-10.00	0.67	25.55	50.00	-24.45



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Test Mode: Transmitting Mode



Phase Neutral Plot at 120Vac, 60Hz

No.	Frequency	Reading	Detector	Lisn/Isn	Ps_Lmt	Cab_L	Result	Limit	Margin
	(MHz)	(dBµV)		(dB)	(dB)	(dB)	(dBµV)	(dBµV)	(dB)
1	0.4420	14.52	QP	0.11	-10.00	0.21	24.84	57.02	-32.18
2	0.4420	9.44	AVG	0.11	-10.00	0.21	19.76	47.02	-27.26
3	0.8020	14.49	QP	0.12	-10.00	0.20	24.81	56.00	-31.19
4	0.8020	9.44	AVG	0.12	-10.00	0.20	19.76	46.00	-26.24
5	1.3980	13.85	QP	0.15	-10.00	0.20	24.20	56.00	-31.80
6	1.3980	8.79	AVG	0.15	-10.00	0.20	19.14	46.00	-26.86
7	1.7420	11.44	QP	0.16	-10.00	0.21	21.81	56.00	-34.19
8	1.7420	6.57	AVG	0.16	-10.00	0.21	16.94	46.00	-29.06
9	2.0580	9.82	QP	0.17	-10.00	0.19	20.18	56.00	-35.82
10	2.0580	4.53	AVG	0.17	-10.00	0.19	14.89	46.00	-31.11
11	13.5620	52.88	QP	0.83	-10.00	0.48	64.19	60.00	4.19
12	13.5620	53.05	AVG	0.83	-10.00	0.48	64.36	50.00	14.36



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<u>6.3 Fundamental Field Strength Test Result</u>

Temperature	25°C			
Relative Humidity	50%			
Atmospheric Pressure	1019mbar			
Test date :	September 21, 2017			
Tested By:	Trety Lu			

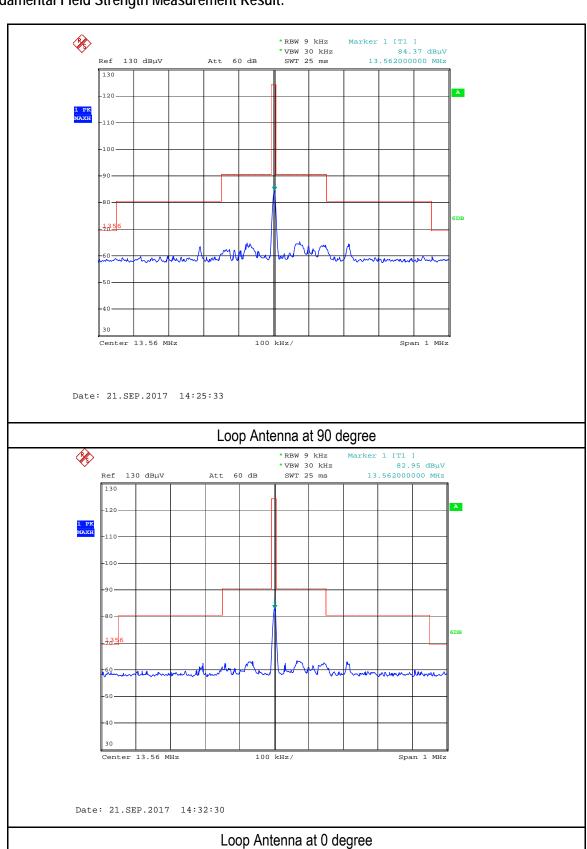
Toolog By .		1100, 20					
Requirement(s):							
Spec	Item	Requirement	Applicable				
§15.225(a) §15.225(b)	a)	The field strength of any emissions within the band 13.553 –13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.	\boxtimes				
§15.225(c)	b)	strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.					
	c) The bands 13.110 –13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.						
Test Setup		Ant. Tower 1-4m Variable Support Units Ground Plane Test Receiver	_				
Test Procedure	1. 2. 3. 4.	The EUT was switched on and allowed to warm up to its normal operating conditi The test was carried out at the selected frequency points obtained from the EUT Maximization of the emissions, was carried out by rotating the EUT, changing the polarization, and adjusting the antenna height in the following manner: a. Vertical or horizontal polarisation (whichever gave the higher emission rotation of the EUT) was chosen. b. The EUT was then rotated to the direction that gave the maximum emis c. Finally, the antenna height was adjusted to the height that gave the maximum A peak measurement was then made for that frequency point. Steps 2 and 3 were repeated for the next frequency point, until all selected frequences.	characterisation. e antenna level over a full ssion. eximum emission.				
Remark							
Result	⊠Pas	s □Fail					
Tark Data - NAV-							

Test Data	⊠Yes	□N/A
Test Plot	⊠Yes	□N/A



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Test Plots Fundamental Field Strength Measurement Result:





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6.4 Radiated Spurious Emissions

Temperature	25°C			
Relative Humidity	50%			
Atmospheric Pressure	1019mbar			
Test date :	September 25, 2017			
Tested By:	Trety Lu			

Requirement(s): Spec	Item	Requirement			Applicable				
§15.225(d), 15.209	a)	The field strength of any		de of the eral radiated emission limits in § Measurement distance (meters) 300 30 30 30 30 30 30 30 30					
Test Setup		Ant. Tower Support Units Turn Table Ground Plane Test Receiver							
Procedure	 3. 4. 	 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. 							
Remark									
Result	⊠Pass	□Fail							



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Test Data	⊠Yes	□N/A
Test Plot	⊠Yes	□N/A

Data sample

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)	(°)

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 ($dB\mu V/m$) = Read ing Value + Corrected Value

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

Height (cm) = Height of Receiver antenna

Degree = Turn table degree

Calculation Formula:

Margin (dB) = Result (dB μ V/m) – limit (dB μ V/m)



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Test Mode: Transmitting

Below 30MHz Loop Antenna at 0 degree:

@ 3M

Frequency	Peak (Corrected)	Factor	Height	Azimuth	Limits @ 3m	Margin
(MHz)	(dBµV/m)	(dB)	(cm)	(deg)	(dBµV/m)	(dB)
14.39	51.38	38.7	190	277	69.54	-18.16
4.39	52.83	46.3	150	139	69.54	-16.71
13.99	51.79	39.1	180	110	80.50	-28.71

Below 30MHz Loop Antenna at 90 degree:

@ 3M

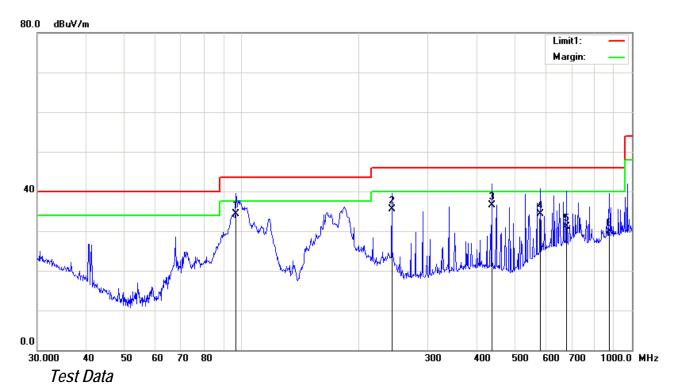
			<u> </u>			
Frequency	Peak (Corrected)	Factor	Height	Azimuth	Limits @ 3m	Margin
(MHz)	(dBµV/m)	(dB)	(cm)	(deg)	(dBµV/m)	(dB)
4.88	52.65	46.2	100	224	69.54	-16.89
14.39	50.43	38.7	200	210	69.54	-19.11
13.99	53.80	39.1	150	165	80.50	-26.70



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Test Mode:	Transmitting Mode

Below (30MHz-1GHz)



Vertical Polarity Plot at 3m

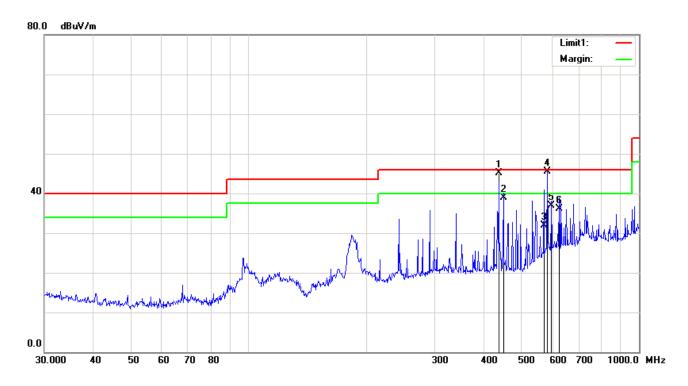
No.	Frequency	Reading	Detector	Ant_F	PA_G	Cab_L	Result	Limit	Margin	Height	Degree
	(MHz)	(dBµV/m)		(dB/m)	(dB)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	(cm)	(°)
1	96.7749	69.03	QP	10.43	46.64	1.58	34.40	43.50	-9.10	100	306
2	242.5253	65.66	QP	14.89	47.43	2.48	35.60	46.00	-10.40	100	359
3	437.1199	65.92	QP	16.38	49.15	3.35	36.50	46.00	-9.50	100	222
4	582.7425	59.67	QP	19.41	48.65	3.87	34.30	46.00	-11.70	200	203
5	679.9600	51.75	QP	22.12	46.86	4.19	31.20	46.00	-14.80	100	21
6	875.2470	47.97	QP	23.15	46.00	4.78	29.90	46.00	-16.10	100	324



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Test Mode:	Transmitting Mode
rest wode.	Transmitting wode

Below 1GHz



Horizontal Polarity Plot at 3m

	Tionizonian Folianty Florida on										
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	437.1199	75.00	QP	16.00	49.15	3.35	45.20	46.00	-0.80	200	259
2	449.5558	68.71	QP	16.00	49.16	3.39	38.94	46.00	-7.06	200	251
3	570.6100	56.80	QP	19.71	48.43	3.82	31.90	46.00	-14.10	200	123
4	582.7425	69.95	QP	20.35	48.65	3.87	45.52	46.00	-0.48	200	93
5	597.2234	60.56	QP	21.11	48.69	3.92	36.90	46.00	-9.10	200	96
6	625.0780	57.61	QP	21.55	46.97	4.01	36.20	46.00	-9.80	200	288

Note: The highest frequency of the internal sources of the EUT is less than 108MHz, so the measurement shall only be made up to 1GHz.



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6.5 Frequency Stability

Temperature	25°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
Test date :	September 21, 2017
Tested By:	Trety Lu

Requirement(s):

Spec	Item	Requirement	Applicable
§15.225(e)	a)	The Frequency tolerance of the carrier signal shall be maintained within ±0.01% of the operating frequency over a temperature variation of -20 ℃ to +50 ℃ at normal supply voltage.	
	b)	The frequency of the transmitter was measured at 85% and at 115% of the rated power supply voltage at 20 °C environmental temperature.	\boxtimes
Test Setup		Spectrum Analyzer EUT	
		Temperature/Humidity Chamber	
Test Procedure	the Ar po EU ex 2> Tu me wh 3> Tu ter no ch wh 4> All sta ch tw 5> If 5 oth sp 6> Re ter en	ace the de-energized EUT in an environmental temperature test chance EUT with nominal ac voltage, or install a new or fully charged batter antenna should be connected to the antenna output connector of the ssible. Use of a dummy load could affect the output frequency of the JT is equipped with or uses an adjustable-length antenna, it should be tended. In the EUT on, and couple its output to a frequency counter or other teasuring device of sufficient accuracy, considering the frequency toler inch the EUT shall comply. In the EUT off, and place it inside an environmental chamber set to the mperature specified by the procuring or regulatory agency. For device rmally operated continuously, the EUT may be energized while inside amber. For devices that have oscillator heaters, energize only the heatile the EUT is inside the chamber. Ow sufficient time (approximately 30 minutes) for the temperature of the abilize. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and measure the EUT operating frequency area, five, and ten minutes after startup. Four measurements in total are 13.1.1 requires measurements on only one operating frequency, procedure, successively tune the EUT to each of the additional operating erecified in 13.1.1 and repeat step d). Sepeat step d) and step e) with the temperature chamber set to the low imperature specified by the procuring or regulatory agency. Be sure to vironmental chamber temperature to stabilize before performing thes beasurements.	y in the EUT. e EUT if EUT. If the e fully frequency- rance with he highest es that are e the test ater circuit the chamber to ental t startup, and made. eed to step f); g frequencies rest allow the



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Remark		
Result	⊠Pass	□Fail

Test Data \square Yes \square N/A
Test Plot \square Yes \square N/A

Carrier Frequency: 13.56MHz at -20°C to +50°C, DC12V

Temperature (oC)	Measured Freq. Freq. Drift Freq. Deviation (MHz) (Hz) (Limit: 0.01%)		Pass/Fail		
50	13.55940	600	< 0.01	Pass	
40	13.55950	500	< 0.01	Pass	
30	13.55960	400	< 0.01	Pass	
20		Reference			
10	13.55970	300	< 0.01	Pass	
0	13.55980	200	< 0.01	Pass	
-10	13.55960	400	< 0.01	Pass	
-20	13.55970	300	< 0.01	Pass	

Carrier Frequency: 13.56MHz at 20°C at DC12V

Measured Voltage ±15% of nominal	Measured Freq. (MHz)	Freq. Drift (Hz)	Freq. Deviation (Limit: 0.01%)	Pass/Fail
10.2	13.55970	300	< 0.01	Pass
13.8	13.55980	200	< 0.01	Pass



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6.6 20dB Occupied Bandwidth

Temperature	25°C
Relative Humidity	50%
Atmospheric Pressure	1019mbar
Test date :	September 27, 2017
Tested By:	Trety Lu

Requirement(s):

Spec	Item	Requirement	Applicable
§15.215(c)	a)	Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.	
Test Setup		Spectrum Analyzer EUT	
Test Procedure	- - - - - M as	mission bandwidth measurement procedure Set RBW = 300 Hz. Set the video bandwidth (VBW) ≥ 3 ′ RBW. Detector = Peak. Trace mode = max hold. Sweep = auto couple. Allow the trace to stabilize. easure the maximum width of the emission that is constrained by the sociated with the two outermost amplitude points (upper and lower frat are attenuated by 20 dB relative to the maximum level measured indamental emission.	requencies)
Remark			
Result	⊠Pass	Fail	
Test Data ⊠Yes Test Plot ⊠Yes		□N/A □N/A	



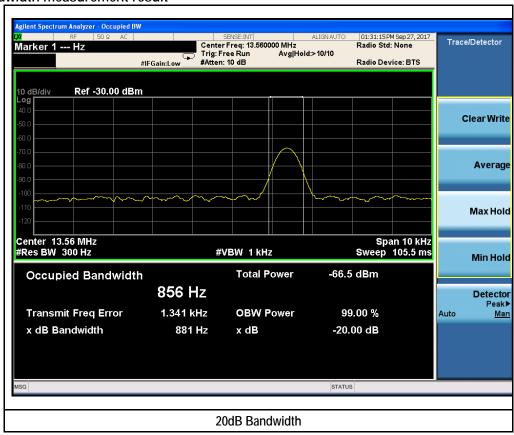
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20dB Bandwidth measurement result

Frequency (MHz)	20dB BW (kHz)	Test Result
13.56	0.881	PASS

Test Plots

20dB Bandwidth measurement result





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Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Due	In use
Conducted Emissions					
R&S EMI Receiver	ESPI3	101216	05/03/2017	05/02/2018	
Power Splitter	1#	1#	02/02/2017	02/01/2018	
Temperature/Humidity Chamber	1007H	N/A	01/07/2017	01/06/2018	
SIEMIC EZ_EMC Conducted Emissions software	Ver.ICP-03A1	N/A	N/A	N/A	
Radiated Emissions					
R&S EMI Receiver	ESPI3	101216	05/03/2017	05/02/2018	
Antenna (30MHz~6GHz)	JB6	A121411	10/31/2016	10/31/2017	
EMCO Passive Loop Antenna	6509	9909-1469	10/09/2016	10/08/2017	\boxtimes
Hp Agilent Pre-Amplifier	8447F	1937A01160	10/27/2016	10/26/2017	\boxtimes
SIEMIC EZ_EMC Radiated Emissions software	Ver.ICP-03A1	N/A	N/A	N/A	\boxtimes



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Annex B. EUT And Test Setup Photographs

Annex B.i. Photograph EUT External Photo



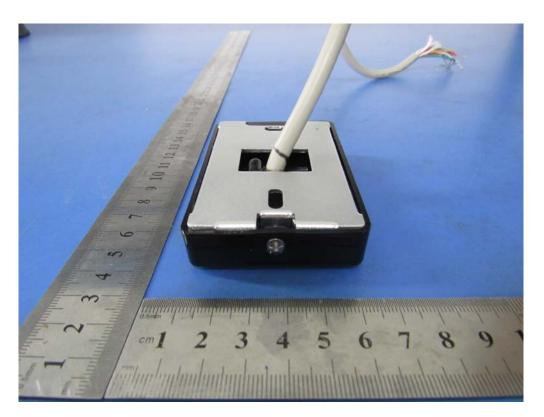
Front View of EUT



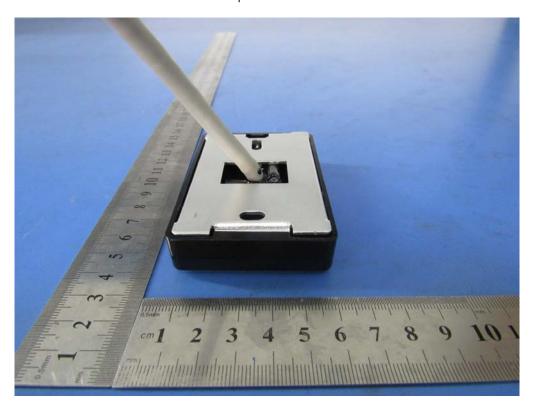
Rear View of EUT



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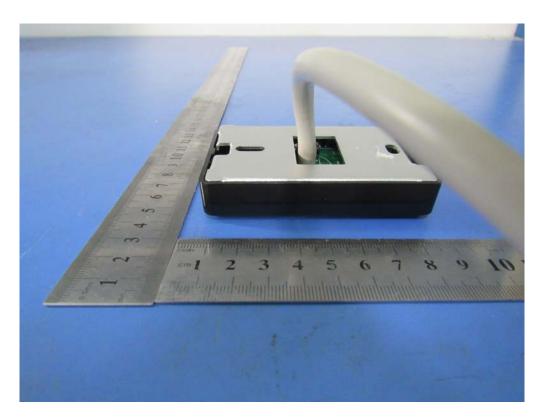
Top View of EUT



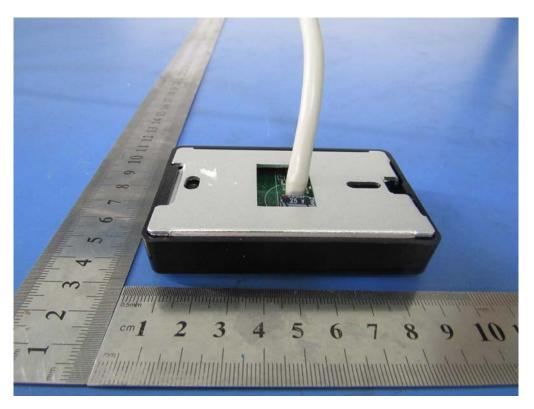
Bottom View of EUT



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Left View of EUT

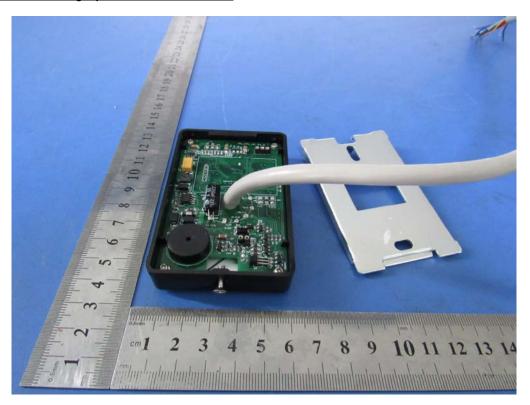


Right View of EUT

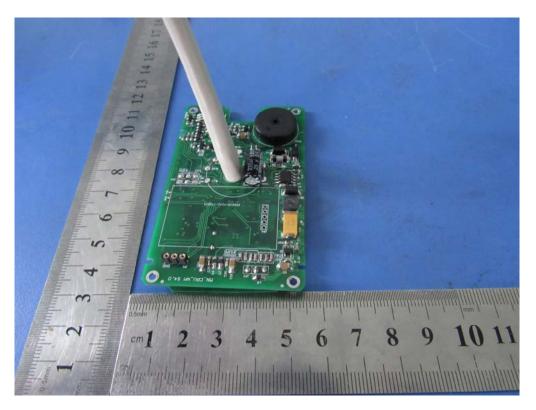


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Annex B.ii. Photograph EUT Internal Photo



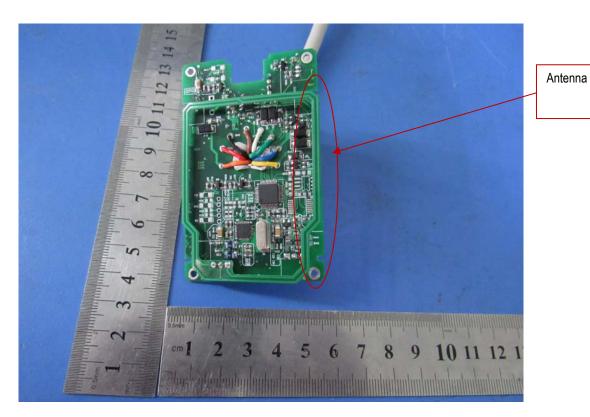
Uncover- Front View



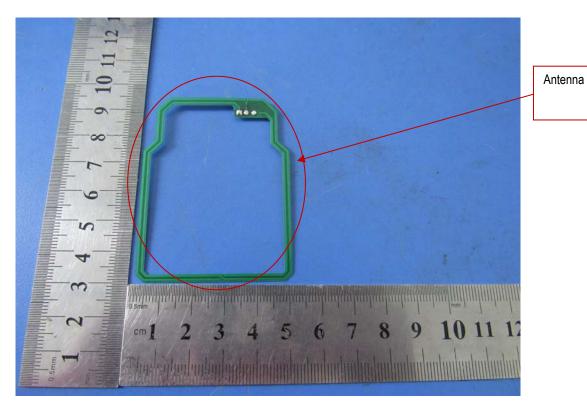
EUT PCBA – Front View



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EUT PCBA - Rear View

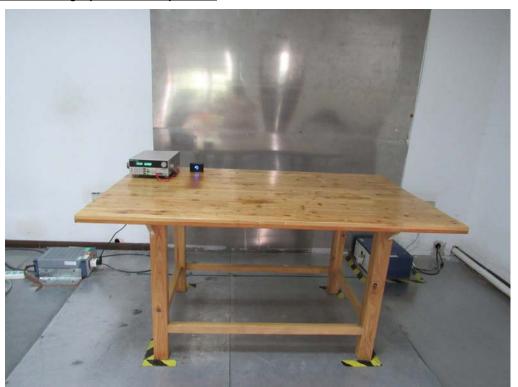


Antenna – Front View(13.56MHz)



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Annex B.iii. Photograph Test Setup Photo



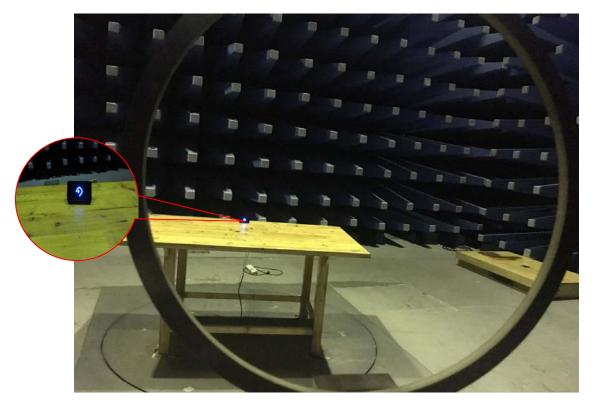
Conducted Emissions Setup Front View



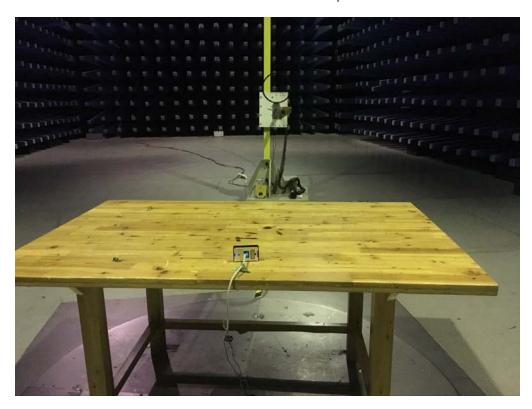
Conducted Emissions Setup Side View



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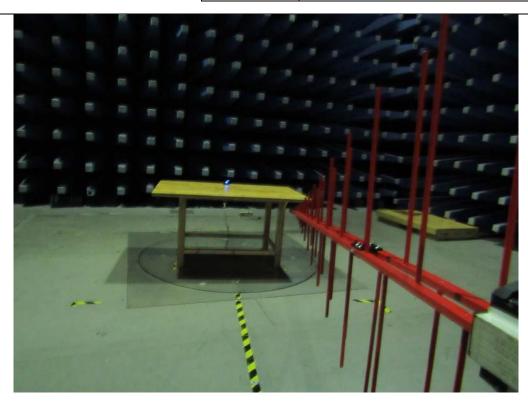
Front View of Radiated Emissions Test Setup below 30MHz



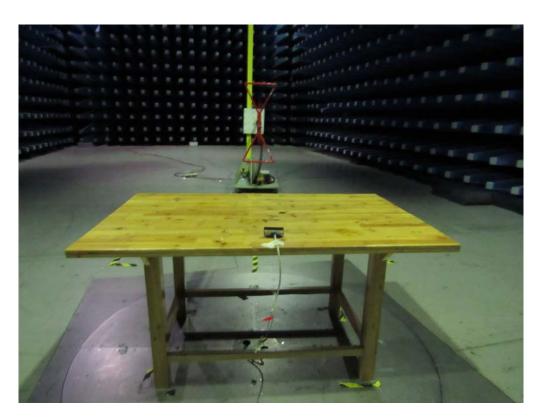
Rear View of Radiated Emissions Test Setup below 30MHz



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Front View of Radiated Emissions Test Setup (30MHz-1GHz)



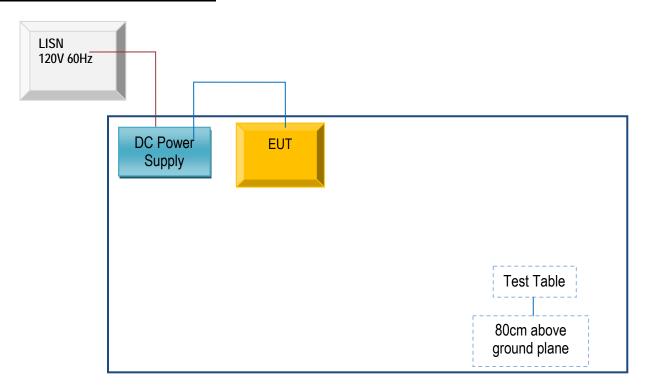
Rear View of Radiated Emissions Test Setup (30MHz-1GHz)



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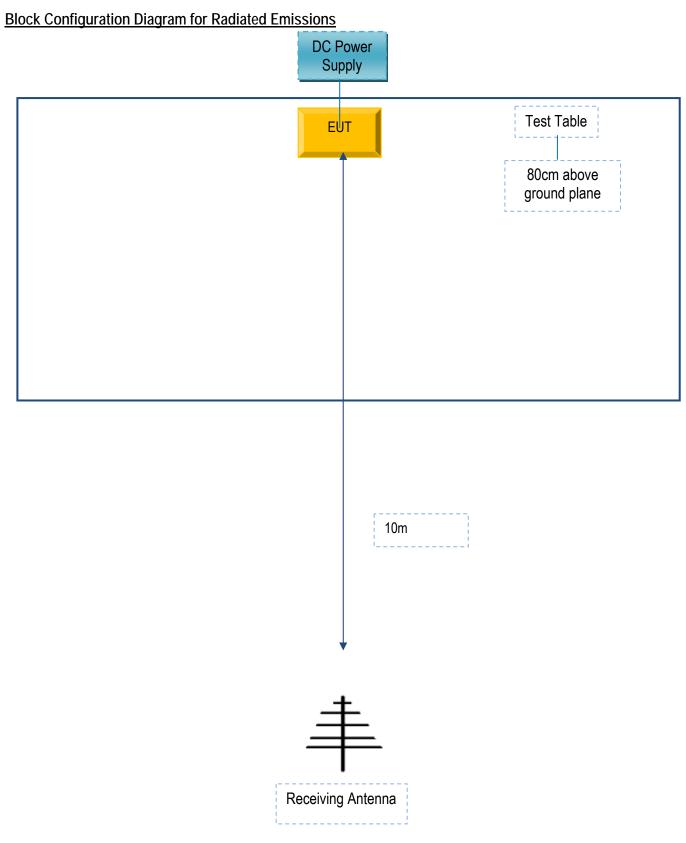
Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.i. TEST SET UP BLOCK





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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
BK PRECISION	DC Power Supply	IT1786B



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

Please see attachment



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Annex E. DECLARATION OF SIMILARITY

N/A