

No. 1 Workshop, M-10, Middle section, Science & Technology Park,

Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053 Report No.: SZEM171001049702

Fax: +86 (0) 755 2671 0594 Page: 1 of 21

# TEST REPORT

**Application No.**: SZEM1710010497CR **Applicant:** JIA YUE TOYS FACTORY

Address of Applicant: HOULIGANG INDUSTRIAL ZONE, BEIWAN VILLAGE, LIANXIA TOWN,

CHENGHAI DISTRICT, SHANTOU CITY, China

**Equipment Under Test (EUT):** 

**EUT Name:** F1 remote control equation car

Model No.: FA87, FA86, FA86B, FA87B, FA88, FA88B, FA99, FA99B, RC851, FA30,

FA30B, FA31, FA31B, FA32, FA32B, FA33, FA33B, FA34, FA34B, FA35, FA35B, FA36, FA36B, FA37, FA37B, FA38, FA38B, FA39, FA39B, FA40, FA40B, FA41, FA41B, FA42, FA42B, FA43, FA43B, FA44, FA44B, FA45, FA45B, FA46, FA46B, FA47, FA47B, FA48, FA48B, FA49, FA49B, FA50, FA50B, FA51, FA51B, FA52, FA52B, FA53, FA53B, FA54, FA54B, FA55, FA29, FA29B, FA28, FA28B, FA27, FA27B, FA26, FA26B, FA25, FA25B, FA24, FA24B, FA23, FA23B, FA22, FA22B, FA21, FA21B, FA20, FA20B •

Please refer to section 2 of this report which indicates which model was

actually tested and which were electrically identical.

FCC ID: 2ANZIJYFA87

Standard(s): 47 CFR Part 15, Subpart C 15.227

**Date of Receipt:** 2017-10-09

**Date of Test:** 2017-10-10 to 2017-10-31

**Date of Issue:** 2017-11-06

Test Result: Pass\*



Jack Zhang EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sqs.com/en/Terms-and-Conditions.aspx">http://www.sqs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sqs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sqs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



Report No.: SZEM171001049702

Page: 2 of 21

	Revision Record						
Version	Remark						
01		2017-11-06		Original			

Authorized for issue by:		
	Peter Gene	
	Peter Geng /Project Engineer	
	Eric Fu	
	Eric Fu /Reviewer	



Report No.: SZEM171001049702

Page: 3 of 21

## 2 Test Summary

Radio Spectrum Technical Requirement						
Item Standard Method Requirement Result						
Antenna Requirement	47 CFR Part 15, Subpart C 15.227	N/A	47 CFR Part 15, Subpart C 15.203	Pass		

Radio Spectrum Matter Part						
Item	Standard	Method	Requirement	Result		
20dB Bandwidth	47 CFR Part 15, Subpart C 15.227	ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.215	Pass		
Field Strength of the Fundamental Signal (15.227(a))	47 CFR Part 15, Subpart C 15.227	ANSI C63.10 (2013) Section 6.4	47 CFR Part 15, Subpart C 15.227(a)	Pass		
Radiated Emissions(9kHz- 30MHz)	47 CFR Part 15, Subpart C 15.227	ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.227(b) & C 15.209	Pass		
Radiated Emissions(30MHz- 1GHz)	47 CFR Part 15, Subpart C 15.227	ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.227(b) & C 15.209	Pass		

<sup>\*</sup>The EUT passed the Radiated Emissions(30MHz-1GHz) test after modification. This modification method is only for the purpose of fixing the EMC compliance problem while other subject matters or issues such as safety compliance, hazards, RoHS compliance or even production issue etc., are not addressed in this report.

#### Remark:

Model No.: FA87, FA86, FA86B, FA87B, FA88, FA88B, FA99, FA99B, RC851, FA30, FA30B, FA31, FA31B, FA32, FA32B, FA33, FA33B, FA34, FA34B, FA35, FA35B, FA36, FA36B, FA37, FA37B, FA38, FA38B, FA39, FA39B, FA40, FA40B, FA41, FA41B, FA42, FA42B, FA43, FA43B, FA44, FA44B, FA45, FA45B, FA46, FA46B, FA47, FA47B, FA48, FA48B, FA49, FA49B, FA50, FA50B, FA51, FA51B, FA52, FA52B, FA53, FA53B, FA54, FA54B, FA55, FA29, FA29B, FA28, FA28B, FA27, FA27B, FA26, FA26B, FA25, FA25B, FA24, FA24B, FA23, FA23B, FA22, FA22B, FA21, FA21B, FA20, FA20B

Only the model FA87 was tested, since the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, only different on colour, appearance, packaging.



Report No.: SZEM171001049702

Page: 4 of 21

## 3 Contents

		Page
1	1 COVER PAGE	1
2	2 TEST SUMMARY	3
_		
3	3 CONTENTS	4
4	4 GENERAL INFORMATION	5
	4.1 DETAILS OF E.U.T	5
	4.2 DESCRIPTION OF SUPPORT UNITS	
	4.3 MEASUREMENT UNCERTAINTY	
	4.4 Test Location	
	4.5 Test Facility	
	4.6 DEVIATION FROM STANDARDS	
	4.7 ABNORMALITIES FROM STANDARD CONDITIONS	
5	5 EQUIPMENT LIST	7
6	6 RADIO SPECTRUM TECHNICAL REQUIREMENT	9
	6.1 ANTENNA REQUIREMENT	
	6.1.1 Test Requirement:	
	6.1.2 Conclusion	9
7	7 RADIO SPECTRUM MATTER TEST RESULTS	10
	7.1 20dB Bandwidth	10
	7.1.1 E.U.T. Operation	10
	7.1.2 Test Setup Diagram	
	7.1.3 Measurement Procedure and Data	
	7.2 FIELD STRENGTH OF THE FUNDAMENTAL SIGNAL (15.227(A))	
	7.2.1 E.U.T. Operation	
	7.2.3 Measurement Procedure and Data	
	7.3 RADIATED EMISSIONS(9KHz-30MHz)	
	7.3.1 E.U.T. Operation	
	7.3.2 Test Setup Diagram	
	7.3.3 Measurement Procedure and Data	
	7.4 RADIATED EMISSIONS(30MHz-1GHz)	
	7.4.1 E.U.T. Operation	
	7.4.2 Test Setup Diagram	
_		
8		
	8.1 RADIATED EMISSIONS(30MHz-1GHz) TEST SETUP	
	8.2 EUT CONSTRUCTIONAL DETAILS	21



Report No.: SZEM171001049702

Page: 5 of 21

## 4 General Information

### 4.1 Details of E.U.T.

Power supply: Remote: DC 4.5V by 3x1.5V "AA" batteries	
Operation frequency: 27.145MHz	
Antenna type:	Integral antenna

### 4.2 Description of Support Units

The EUT has been tested as an independent unit.

### 4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.25 x 10 <sup>-8</sup>
2	Duty cycle	0.37%
3	Occupied Bandwidth	3%
4	RF conducted power	0.75dB
5	RF power density	2.84dB
6	Conducted Spurious emissions	0.75dB
7	DE Dadiated mayer	4.5dB (below 1GHz)
/	RF Radiated power	4.8dB (above 1GHz)
0	Budistad Continue and advantage	4.5dB (30MHz-1GHz)
8	Radiated Spurious emission test	4.8dB (1GHz-18GHz)
9	Temperature test	1℃
10	Humidity test	3%
11	Supply voltages	1.5%
12	Time	3%



Report No.: SZEM171001049702

Page: 6 of 21

#### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

### 4.5 Test Facility

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

### CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC

Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

#### A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

#### VCCI

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

### • FCC -Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

### Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None



Report No.: SZEM171001049702

Page: 7 of 21

## 5 Equipment List

20dB Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2017-04-14	2018-04-13
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

Field Strength of the Fundamental Signal (15.227(a))						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017-08-05	2020-08-04	
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM025-01	2017-07-13	2018-07-12	
EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2017-09-27	2018-09-26	
BiConiLog Antenna (26- 3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017-06-27	2020-06-26	
Pre-amplifier (0.1- 1300MHz)	Agilent Technologies	8447D	SEM005-01	2017-04-14	2018-04-13	

Radiated Emissions(9kHz-30MHz)						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2017-05-10	2018-05-09	
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM029-01	2017-07-13	2018-07-12	
EMI Test Receiver (9kHz-3GHz)	Rohde & Schwarz	ESR	SEM004-03	2017-04-14	2018-04-13	
Trilog-Broadband Antenna(30MHz-1GHz)	Schwarzbeck	VULB9168	SEM003-17	2016-01-26	2019-01-25	
Pre-amplifier	Sonoma Instrument Co	310N	SEM005-03	2017-06-05	2018-06-04	
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21	



Report No.: SZEM171001049702

Page: 8 of 21

Radiated Emissions(30MHz-1GHz)						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017-08-05	2020-08-04	
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM025-01	2017-07-13	2018-07-12	
EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2017-09-27	2018-09-26	
BiConiLog Antenna (26- 3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017-06-27	2020-06-26	
Pre-amplifier (0.1- 1300MHz)	Agilent Technologies	8447D	SEM005-01	2017-04-14	2018-04-13	

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2017-09-29	2018-09-28
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2017-04-18	2018-04-17



Report No.: SZEM171001049702

Page: 9 of 21

## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

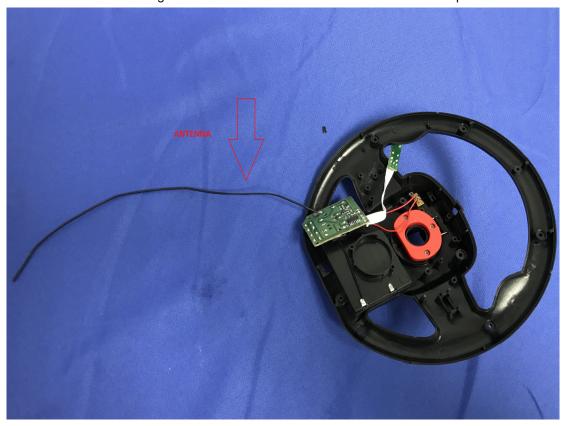
#### 6.1.2 Conclusion

#### Standard 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 antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an 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 on the main PCB and no consideration of replacement.





Report No.: SZEM171001049702

Page: 10 of 21

## 7 Radio Spectrum Matter Test Results

### 7.1 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215 Test Method: ANSI C63.10 (2013) Section 6.9

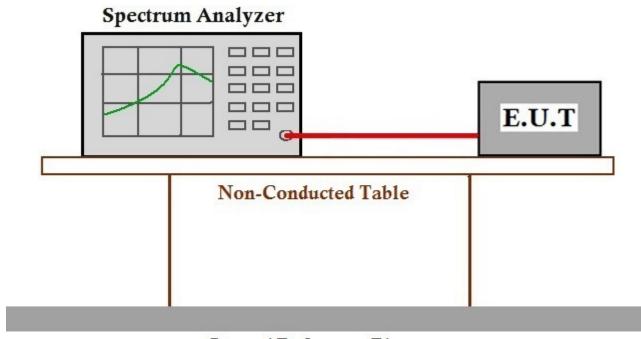
### 7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 54 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode Keep the EUT in transmitting with modulation mode.

#### 7.1.2 Test Setup Diagram



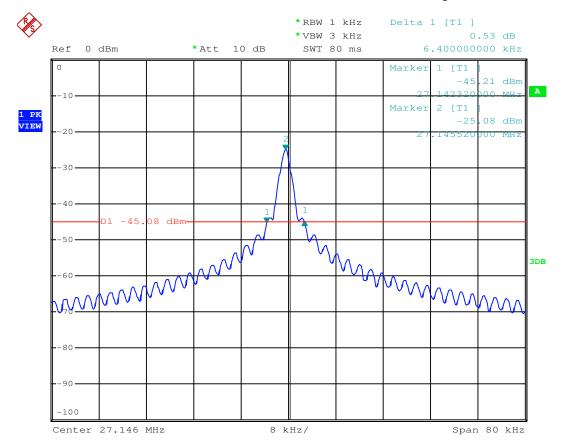
### Ground Reference Plane

#### 7.1.3 Measurement Procedure and Data



Report No.: SZEM171001049702

Page: 11 of 21





Report No.: SZEM171001049702

Page: 12 of 21

### 7.2 Field Strength of the Fundamental Signal (15.227(a))

Test Requirement 47 CFR Part 15, Subpart C 15.227(a)
Test Method: ANSI C63.10 (2013) Section 6.4

Measurement Distance: 3m

Limit: \$ 10000 microvolts/meter at 3 meters, the emission limit is based on

measurement instrumentation employing an average Detector:. The

provisions in § 15.35 for limiting peak emissions apply.

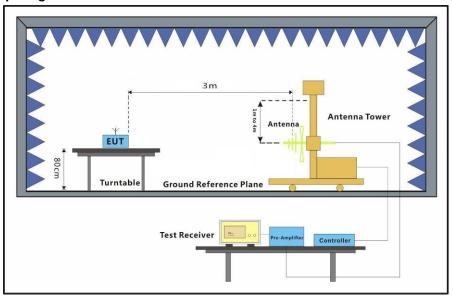
#### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode\_Keep the EUT in transmitting with modulation mode.

#### 7.2.2 Test Setup Diagram



### 7.2.3 Measurement Procedure and Data

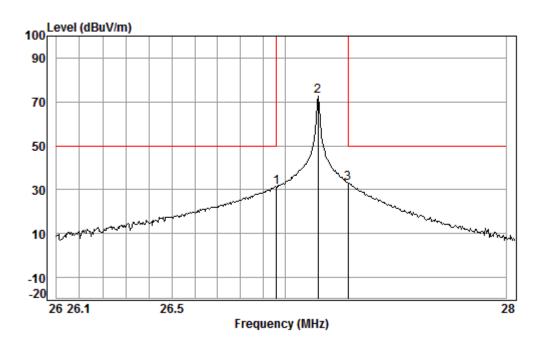
For testing performed with the loop antenna, the center of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specified distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane. Only the worst position of vertical was shown in the report.



Report No.: SZEM171001049702

Page: 13 of 21

Mode:a; Polarization:Horizontal



Condition: 3m HORIZONTAL

Job No. : 10497CR

Test mode: a

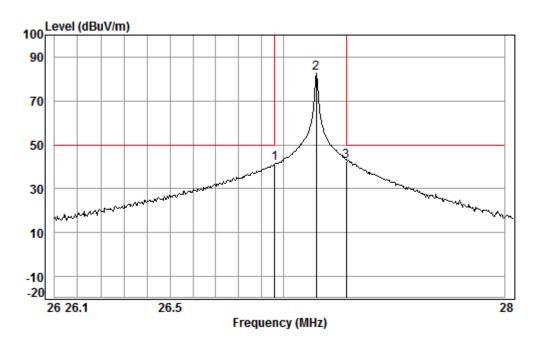
	Freq			Preamp Factor				
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	26.96	0.60	20.68	27.37	37.35	31.26	50.00	-18.74
2	27.14	0.60	20.56	27.37	78.68	72.47	100.00	-27.53
3	27.28	0.60	20.47	27.37	39.20	32.90	100.00	-67.10



Report No.: SZEM171001049702

Page: 14 of 21

Mode:a; Polarization:Vertical



Condition: 3m VERTICAL Job No. : 10497CR

Test mode: a

	Freq			Preamp Factor				
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	26.96	0.60	20.68	27.37	47.61	41.52	50.00	-8.48
2	27.14	0.60	20.56	27.37	89.08	82.87	100.00	-17.13
3	27.28	0.60	20.47	27.37	48.97	42.67	100.00	-57.33



Report No.: SZEM171001049702

Page: 15 of 21

### 7.3 Radiated Emissions(9kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.227(b) & C 15.209

Test Method: ANSI C63.10 (2013) Section 6.4&6.5

Measurement Distance: 10m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)		
0.009-0.490	2400/F(kHz)	300		
0.490-1.705	24000/F(kHz)	30		
1.705-30.0	30	30		
30-88	100	3		
88-216	150	3		
216-960	200	3		
Above 960	500	3		

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.



Report No.: SZEM171001049702

Page: 16 of 21

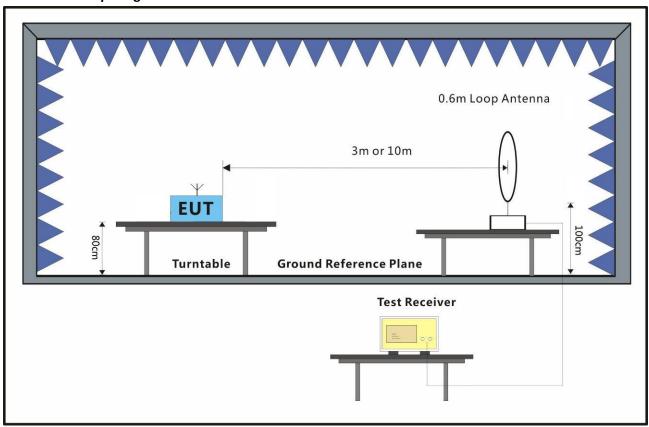
### 7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 54 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode Keep the EUT in transmitting with modulation mode.

### 7.3.2 Test Setup Diagram



#### 7.3.3 Measurement Procedure and Data

For testing performed with the loop antenna, the center of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specified distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane. Only the worst position of vertical was shown in the report.

Remark: Test was conducted from 9 kHz to 30MHz and the least margin will be more than 10 dB to the limit, so it is not recorded in the report.



Report No.: SZEM171001049702

Page: 17 of 21

### 7.4 Radiated Emissions(30MHz-1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.227(b) & C 15.209

Test Method: ANSI C63.10 (2013) Section 6.4&6.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)		
30-88	100	3		
88-216	150	3		
216-960	200	3		
Above 960	500	3		

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for above 1000MHz. Radiated emission limits above 1000MHz is based on measurements employing an average detector.



Report No.: SZEM171001049702

Page: 18 of 21

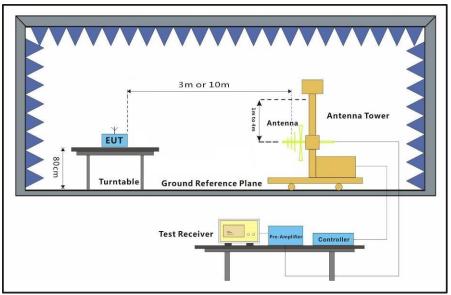
### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode Keep the EUT in transmitting with modulation mode.

#### 7.4.2 Test Setup Diagram



### 7.4.3 Measurement Procedure and Data

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground for below 1GHz at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. 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.
- d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. 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.
- g. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.

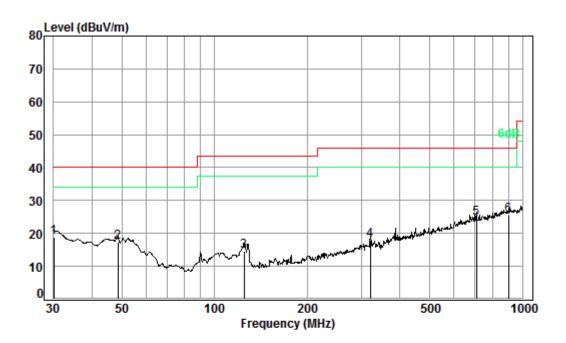
Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



Report No.: SZEM171001049702

Page: 19 of 21

Mode:a; Polarization:Horizontal



Condition: 3m Horizontal

Job No. : 10497CR

Test mode: a

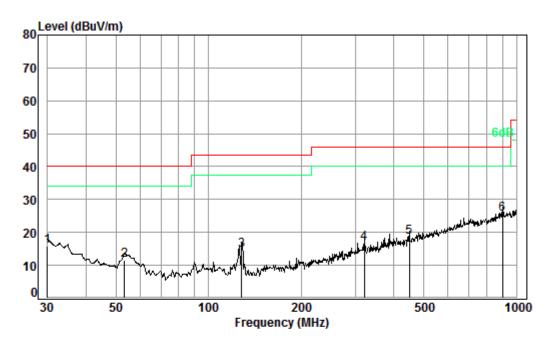
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.11	0.60	18.64	27.36	26.94	18.82	40.00	-21.18
2	48.50	0.77	9.36	27.29	34.37	17.21	40.00	-22.79
3	125.01	1.26	7.80	27.04	32.70	14.72	43.50	-28.78
4	321.06	1.97	14.66	26.56	27.78	17.85	46.00	-28.15
5	709.18	2.93	21.60	27.40	27.41	24.54	46.00	-21.46
6 pp	900.15	3.60	23.20	26.78	25.53	25.55	46.00	-20.45



Report No.: SZEM171001049702

Page: 20 of 21

Mode:a; Polarization:Vertical



Condition: 3m VERTICAL

Job No. : 10497CR

Test mode: a

		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.00	0.60	18.70	27.36	24.00	15.94	40.00	-24.06
2	53.32	0.80	8.20	27.28	29.97	11.69	40.00	-28.31
3	128.11	1.27	7.74	27.02	32.72	14.71	43.50	-28.79
4	321.06	1.97	14.66	26.56	26.55	16.62	46.00	-29.38
5	449.56	2.41	16.89	27.44	26.62	18.48	46.00	-27.52
6 рр	900.15	3.60	23.20	26.78	25.53	25.55	46.00	-20.45

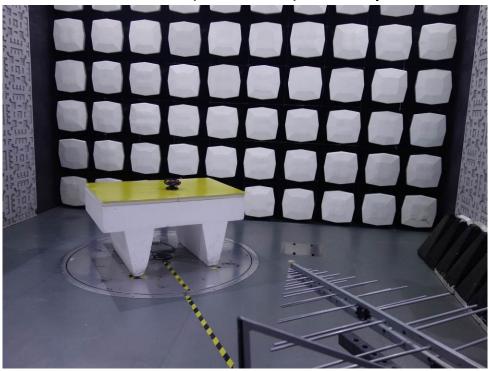


Report No.: SZEM171001049702

Page: 21 of 21

## 8 Photographs

### 8.1 Radiated Emissions(30MHz-1GHz) Test Setup



### 8.2 EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1710010497CR.