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Shenzhen Branch**

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Report No.: SZEM170400281704
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TEST REPORT

Application No.: SZEM1704002817CR
Applicant: Huizhou Artsun Industrial Company Limited
Address of Applicant: No.2,Floor 14th,Unit one,Ruihe Commercial Square,No.1 Yandayi Road,
Henan'an District,Huizhou City 516007, Guangdong, China
Manufacturer: VOLANT ROC ELECTRONICS TECH CO., LTD
Address of Manufacturer: QianLi Industrial Park, Sandong Town, Huizhou City 516001,Guangdong
Province,China
Factory: VOLANT ROC ELECTRONICS TECH CO., LTD
Address of Factory: QianLi Industrial Park, Sandong Town, Huizhou City 516001,Guangdong
Province,China
Equipment Under Test (EUT):
EUT Name: CAR Bluetooth MP3
Model No.: VM-201
Trade mark: AUTO DRIVE
FCC ID: 2ALU4DX201A01
Standards: 47 CFR Part 15, Subpart C 15.239
Date of Receipt: 2017-04-07
Date of Test: 2017-04-13 to 2017-05-03
Date of Issue: 2017-05-09

Test Result :	PASS*
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* In the configuration tested, the EUT complied with the standards specified above.



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.

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2017-05-09		Original

Authorized for issue by:				
Tested By				2017-05-09
		_____ Bill Chen /Project Engineer		_____ Date
Checked By				2017-05-09
		_____ Eric Fu /Reviewer		_____ Date



2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.239	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 15.239	ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.239(a)	Pass
Field Strength of the Fundamental Signal(15.239(b))	47 CFR Part 15, Subpart C 15.239	ANSI C63.10 (2013) Section 6.5	47 CFR Part 15, Subpart C 15.239(b)	Pass
Radiated Emissions (9kHz-30MHz)	47 CFR Part 15, Subpart C 15.239	ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.209 & 15.239 (c)	Pass
Radiated Emissions (30MHz-1GHz)	47 CFR Part 15, Subpart C 15.239	ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.209 & 15.239 (c)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.239	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.239 (c)	Pass

Remark:

Pretest the EUT at power supply DC input 12V-24V and found the DC input 12V which is worst case, only the worst case is recorded in the report.



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4 General Information

4.1 Details of E.U.T.

Sample Type:	Fixed production
Operation Frequency:	88.1MHz~107.9MHz
Channel Numbers:	199
Channel Separation:	100KHz
Modulation Type:	FM
Antenna Type:	Integral
Country of Origin:	China
Country of Destination:	USA
Power supply:	12V-24V
Cable:	AUX in cable:100cm unshielded

Operation Frequency each of Channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	88.1MHz	47	92.7MHz	97	97.7MHz	147	102.7MHz
2	88.2MHz	49	92.8MHz	99	97.8MHz	149	102.8MHz
3	88.3MHz	50	92.9MHz	100	97.9MHz	150	102.9MHz
4	88.4MHz	51	93.0MHz	101	98.0MHz	151	103.0MHz
5	88.5MHz	52	93.1MHz	102	98.1MHz	152	103.1MHz
6	88.6MHz	53	93.2MHz	103	98.2MHz	153	103.2MHz
7	88.7MHz	54	93.3MHz	104	98.3MHz	154	103.3MHz
8	88.8MHz	55	93.4MHz	105	98.4MHz	155	103.4MHz
9	88.9MHz	56	93.5MHz	106	98.5MHz	156	103.5MHz
10	89.0MHz	57	93.6MHz	107	98.6MHz	157	103.6MHz
11	89.1MHz	58	93.7MHz	108	98.7MHz	158	103.7MHz
12	89.2MHz	59	93.8MHz	109	98.8MHz	159	103.8MHz
13	89.3MHz	60	93.9MHz	110	98.9MHz	160	103.9MHz
.....
46	92.6MHz	96	97.6MHz	146	102.6MHz	199	107.9MHz

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:



Channel	Frequency
The Lowest channel	88.1MHz
The Middle channel	98MHz
The Highest channel	107.9MHz

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
iPhone 4	Apple	A1349	C37HL4GXDP0N
Rechargeable Battery	Gadlee	DP00027	REF. No.SEA2800

4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.25 x 10 ⁻⁸
2	Timeout	2s
3	Duty cycle	0.37%
4	Occupied Bandwidth	3%
5	RF conducted power	0.75dB
6	RF power density	2.84dB
7	Conducted Spurious emissions	0.75dB
8	RF Radiated power	4.5dB (below 1GHz)
		4.8dB (above 1GHz)
9	Radiated Spurious emission test	4.5dB (30MHz-1GHz)
		4.8dB (1GHz-18GHz)
10	Temperature test	1 °C
11	Humidity test	3%
12	Supply voltages	1.5%
13	Time	3%



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 – Registration No.: 556682**

SGS-CSTC Standards Technical 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 our files. Registration No.: 556682.

- **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



5 Equipment List

Field Strength of the Fundamental Signal(15.239(b))					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2016-05-13	2017-05-13
EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2016-09-16	2017-09-16
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2014-11-01	2017-11-01
Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEM003-11	2015-10-17	2018-10-17
Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEM003-12	2014-11-24	2017-11-24

RE in Chamber						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2016-05-10	2017-05-10
2	EXA Spectrum Analyzer	Agilent Technologies Inc	N9010A	SEM004-09	2016-07-19	2017-07-19
3	BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-02	2014-11-15	2017-11-15
4	Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2016-10-09	2017-10-09
5	Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2015-06-14	2018-06-14
6	Horn Antenna (18-26GHz)	ETS-Lindgren	3160	SEM003-12	2014-11-24	2017-11-24
7	Horn Antenna (26GHz-40GHz)	A.H.Systems, inc.	SAS-573	SEM003-13	2015-02-12	2018-02-12
8	Low Noise Amplifier	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2016-10-09	2017-10-09
9	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A



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	2016-10-12	2017-10-12
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2016-10-12	2017-10-12
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2016-10-12	2017-10-12
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2016-05-18	2017-05-18

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

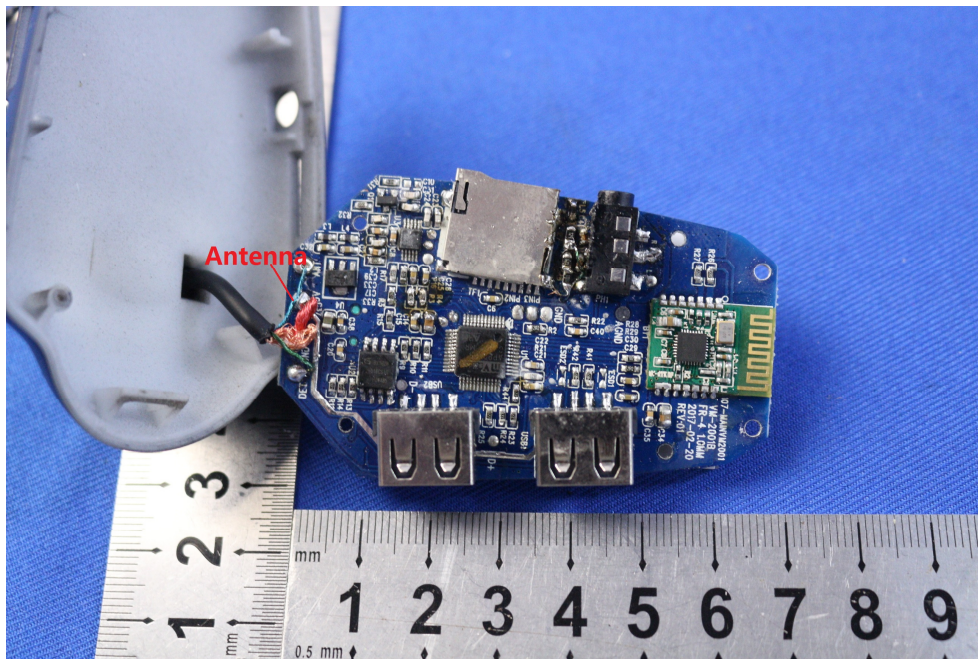
47 CFR Part 15, Subpart C 15.239

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 an 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. The best case gain of the antenna is 0.5dBi..



7 Radio Spectrum Matter Test Results

7.1 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.239(a)
Test Method: ANSI C63.10 (2013) Section 6.9
Limit: <200 kHz

7.1.1 E.U.T. Operation

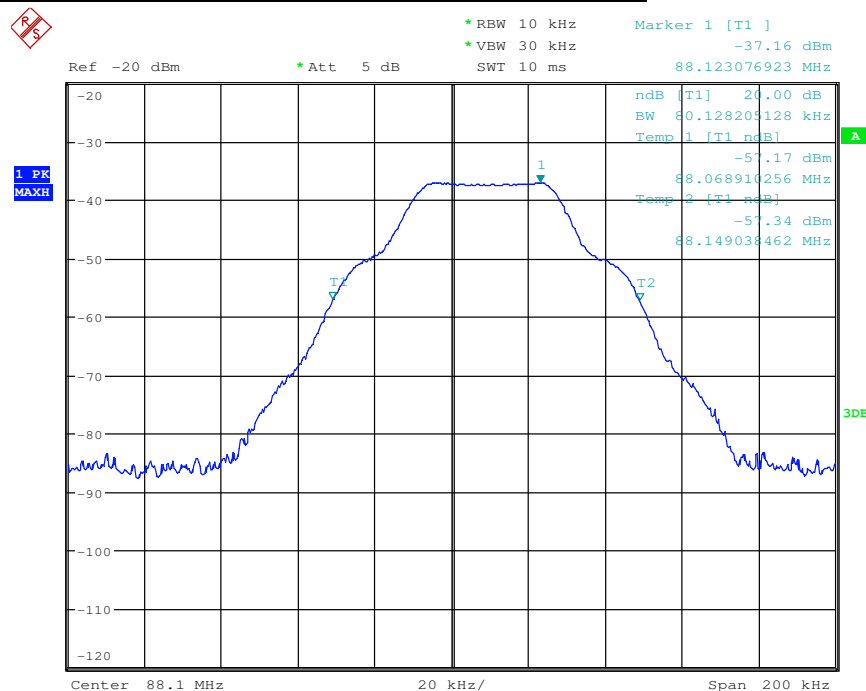
Operating Environment:
Temperature: 24 °C Humidity: 54 % RH Atmospheric Pressure: 1015 mbar
Test mode a:TX mode_Keep the EUT in transmitting mode

7.1.2 Measurement Data

Test channel	20dB bandwidth(kHz)	Limit(kHz)
Lowest	80.128	200
Middle	79.808	200
Highest	80.128	200

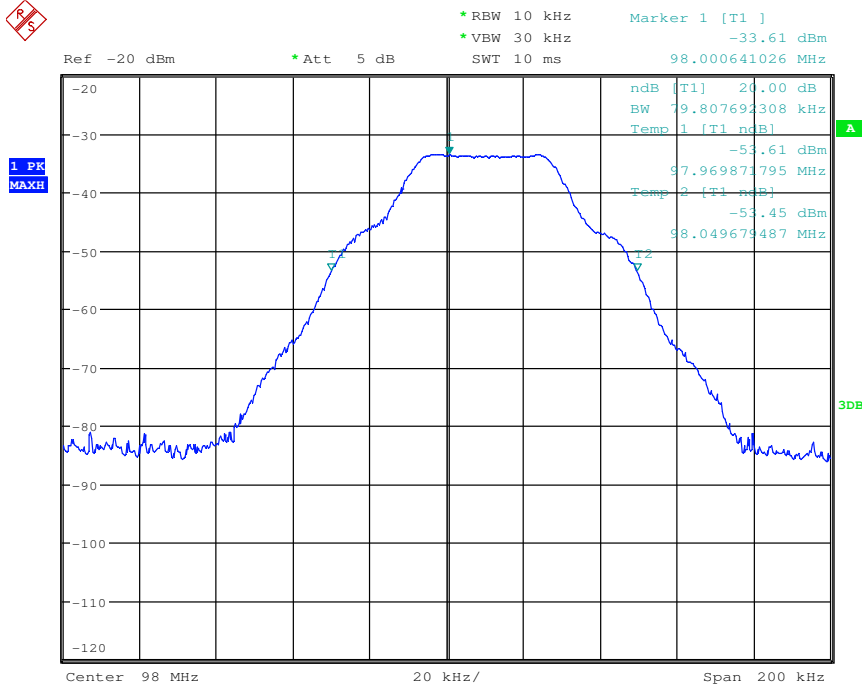
Test plot as follows:

Test channel:	Lowest
---------------	--------

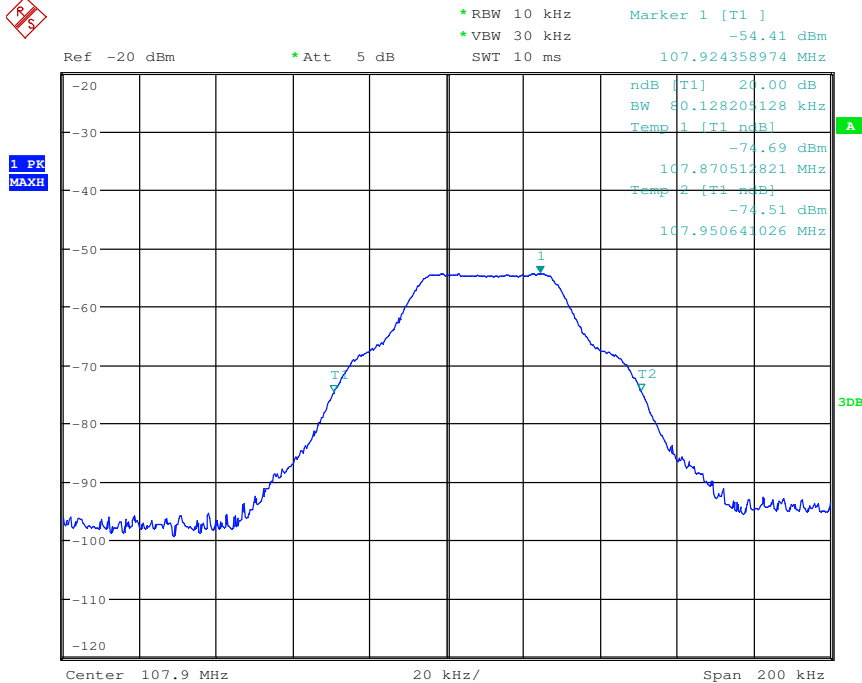




Test channel: Middle



Test channel: Highest





7.2 Field Strength of the Fundamental Signal(15.239(b))

Test Requirement	47 CFR Part 15, Subpart C 15.239(b)
Test Method:	ANSI C63.10 (2013) Section 6.5
Measurement Distance:	3m
Limit:	≤250 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: 1015 mbar

Test mode a:TX mode_Keep the EUT in transmitting mode

7.2.2 Measurement 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. Test the EUT in the lowest channel,the middle channel,the Highest channel
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case.
- i. Repeat above procedures until all frequencies measured was complete.



Peak value:

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
88.1	1.1	8.45	27.22	65.47	47.8	68.00	-20.2	Horizontal
88.1	1.1	8.45	27.22	64.12	46.45	68.00	-21.55	Vertical
98	1.18	9.02	27.2	62.89	45.89	68.00	-22.11	Horizontal
98	1.18	9.02	27.2	63.25	46.25	68.00	-21.75	Vertical
107.9	1.22	8.7	27.14	57.44	40.22	68.00	-27.78	Horizontal
107.9	1.22	8.72	27.15	56.75	39.54	68.00	-28.46	Vertical



7.3 Radiated Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.239 (c)
Test Method: ANSI C63.10 (2013) Section 6.4&6.5
Measurement Distance: 3m
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 above 1000MHz. Radiated emission limits above 1000MHz is based on measurements employing an average detector.

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 24 °C Humidity: 54 % RH Atmospheric Pressure: 1015 mbar

Exploratory Test Mode: a:TX mode_Keep the EUT in transmitting mode

Test channel low/middle and high, the worst case is the middle channel.

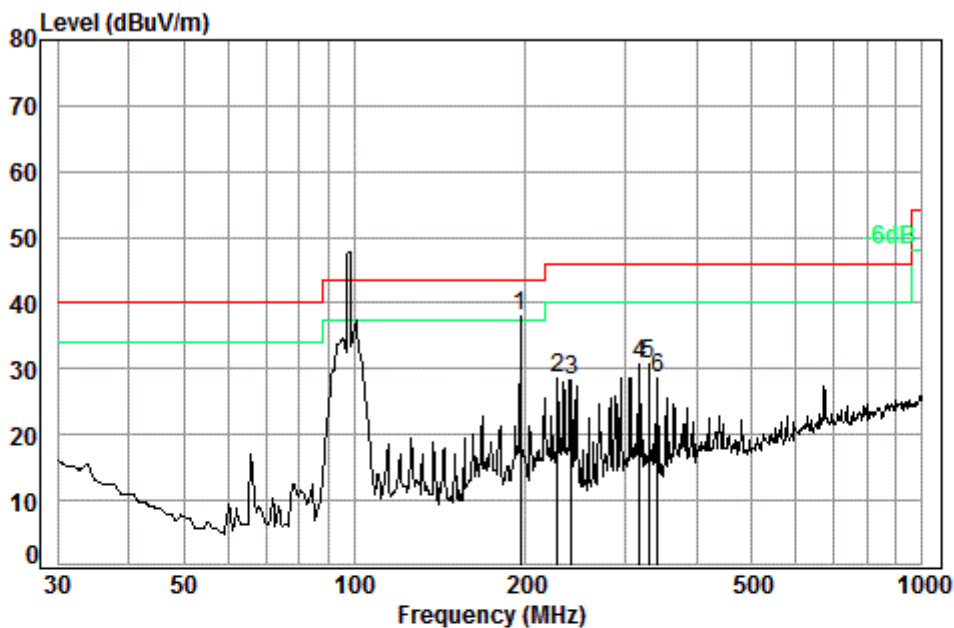
Final Test Mode: Only the worst case is recorded in the report.



7.3.2 Measurement 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. Test the EUT in the lowest channel,the middle channel,the Highest channel
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case.
- i. Repeat above procedures until all frequencies measured was complete.

Detector:QP
a:Horizontal:



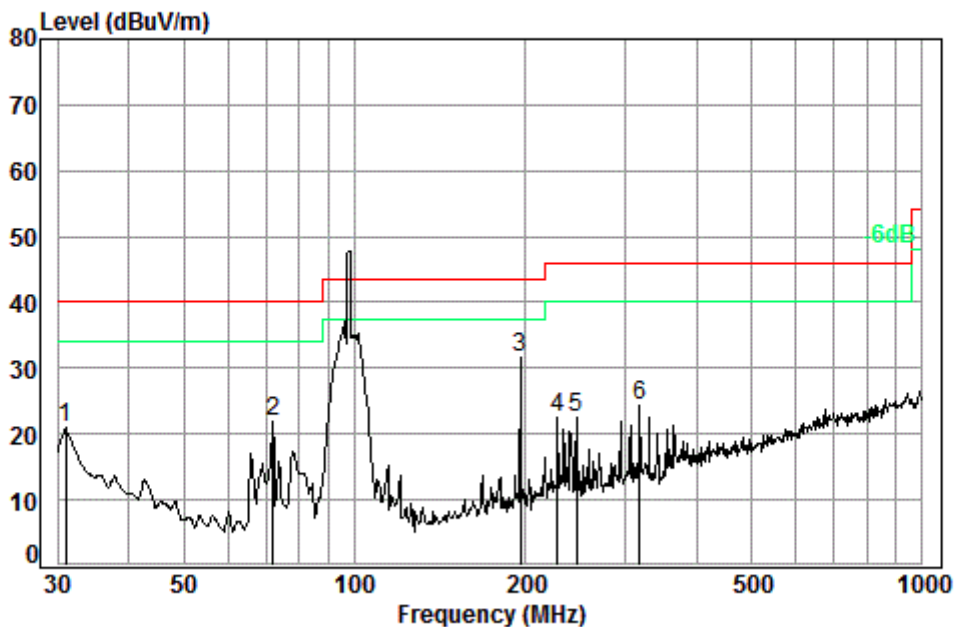
Condition: 3m HORIZONTAL

Job No. : 02817CR

Test mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	195.82	1.39	10.16	26.71	53.20	38.04	43.50	-5.46
2	227.69	1.56	11.59	26.61	42.00	28.54	46.00	-17.46
3	240.83	1.63	12.01	26.56	41.27	28.35	46.00	-17.65
4	317.70	1.96	14.54	26.54	40.90	30.86	46.00	-15.14
5	330.19	2.00	14.61	26.64	40.65	30.62	46.00	-15.38
6	341.98	2.04	14.19	26.73	39.12	28.62	46.00	-17.38

a:Vertical:



Condition: 3m VERTICAL

Job No. : 02817CR

Test mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.96	0.60	18.16	27.35	29.50	20.91	40.00	-19.09
2	71.83	0.86	7.05	27.24	41.17	21.84	40.00	-18.16
3 pp	195.82	1.39	10.16	26.71	46.81	31.65	43.50	-11.85
4	227.69	1.56	11.59	26.61	36.08	22.62	46.00	-23.38
5	245.95	1.65	12.17	26.55	35.28	22.55	46.00	-23.45
6	317.70	1.96	14.54	26.54	34.25	24.21	46.00	-21.79

7.4 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.239 (c)
 Test Method: ANSI C63.10 (2013) Section 6.10.5
 Measurement Distance: 3m
 Limit:

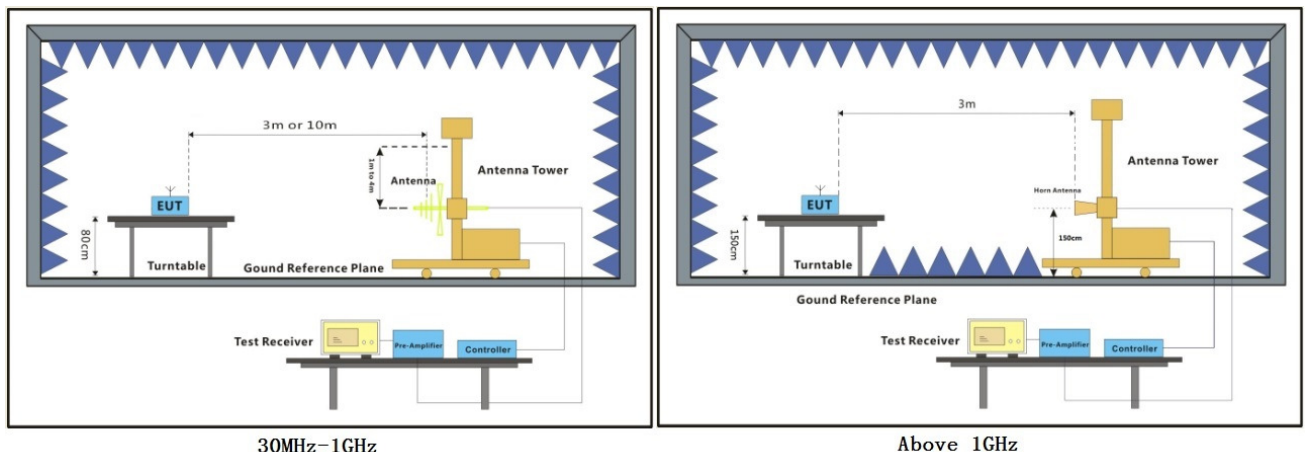
Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

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.

7.4.1 E.U.T. Operation

Operating Environment:
 Temperature: 23 °C Humidity: 54 % RH Atmospheric Pressure: 1015 mbar
 Test Mode: a:TX mode_Keep the EUT in transmitting mode

7.4.2 Test Setup Diagram





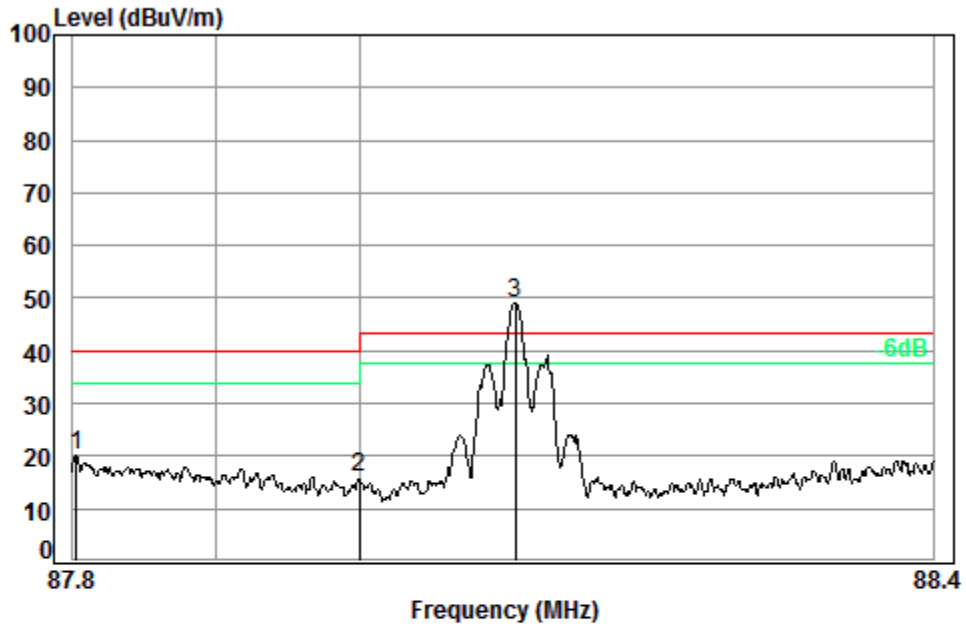
7.4.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. 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.
- e. 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.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.



Detector:QP

Mode:a; Polarization:Horizontal; Modulation Type:FM; Channel:Low



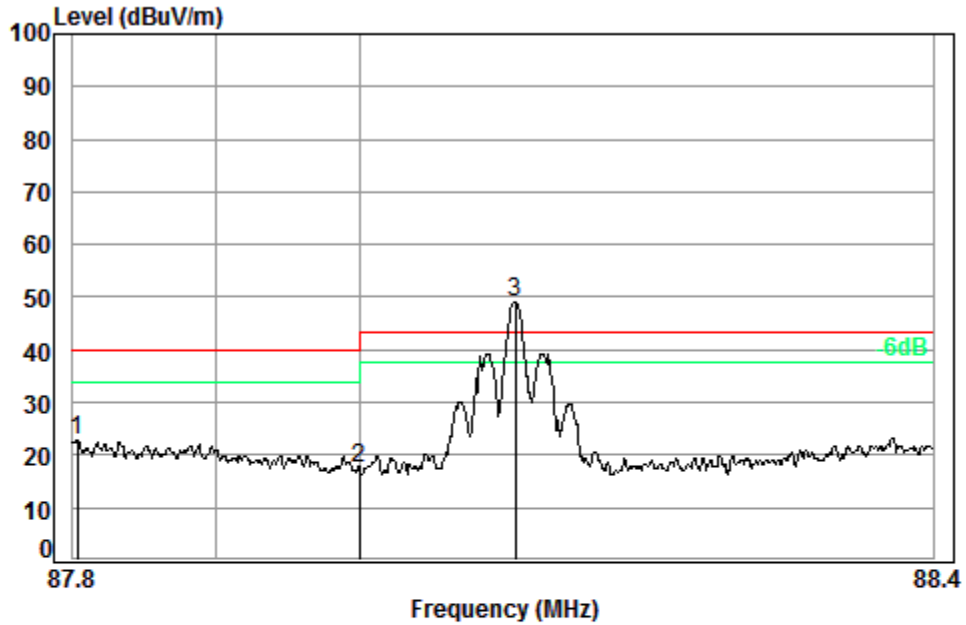
Condition: 3m HORIZONTAL

Job No. : 02817CR

Test mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	87.80	1.10	8.48	27.22	37.77	20.13	40.00	-19.87
2	88.00	1.10	8.50	27.22	33.44	15.82	40.00	-24.18
3 pp	88.11	1.10	8.51	27.22	66.68	49.07	43.50	5.57

Mode:a; Polarization:Vertical; Modulation Type:FM; Channel:Low



Condition: 3m VERTICAL

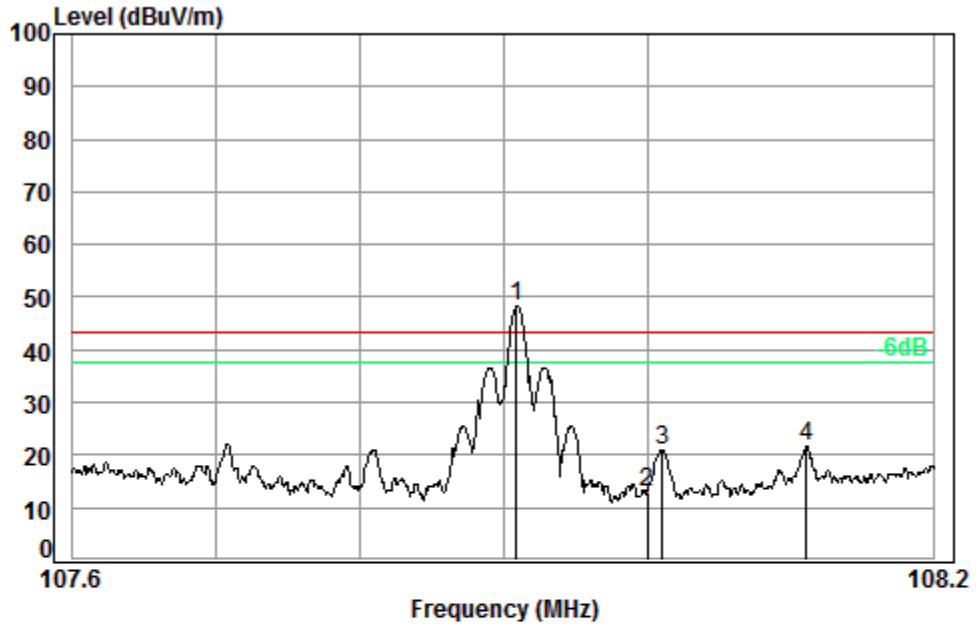
Job No. : 02817CR

Test mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	87.80	1.10	8.48	27.22	40.39	22.75	40.00	-17.25
2	88.00	1.10	8.50	27.22	35.29	17.67	40.00	-22.33
3 pp	88.11	1.10	8.51	27.22	66.74	49.13	43.50	5.63



Mode:a; Polarization:Horizontal; Modulation Type:FM; Channel:High



Condition: 3m HORIZONTAL

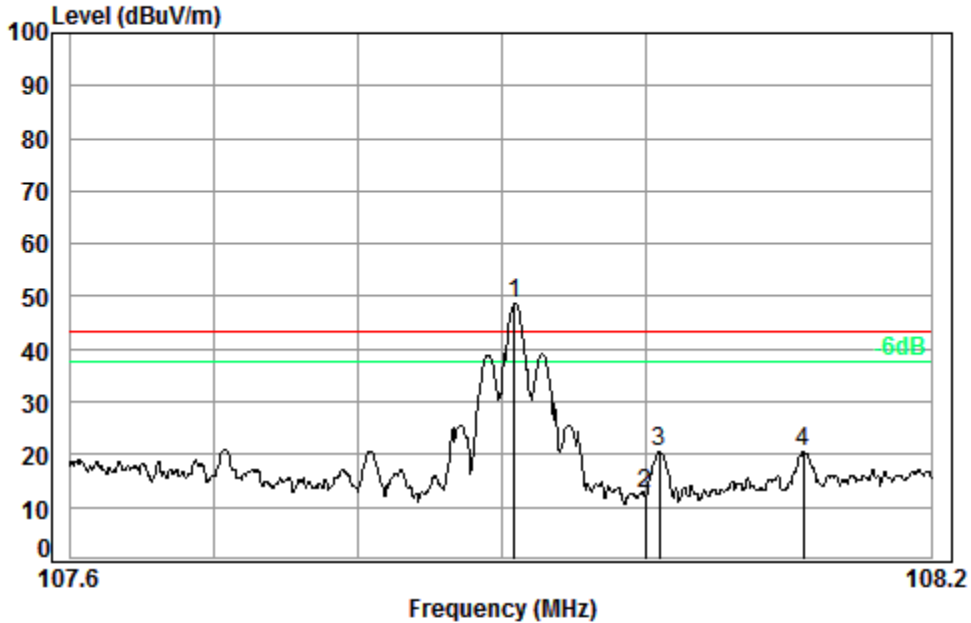
Job No. : 02817CR

Test mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	107.91	1.22	8.70	27.15	65.52	48.29	43.50	4.79
2	108.00	1.22	8.70	27.14	30.28	13.06	43.50	-30.44
3	108.01	1.22	8.70	27.14	38.19	20.97	43.50	-22.53
4	108.11	1.22	8.69	27.14	38.90	21.67	43.50	-21.83



Mode:a; Polarization:Vertical; Modulation Type:FM; Channel:High

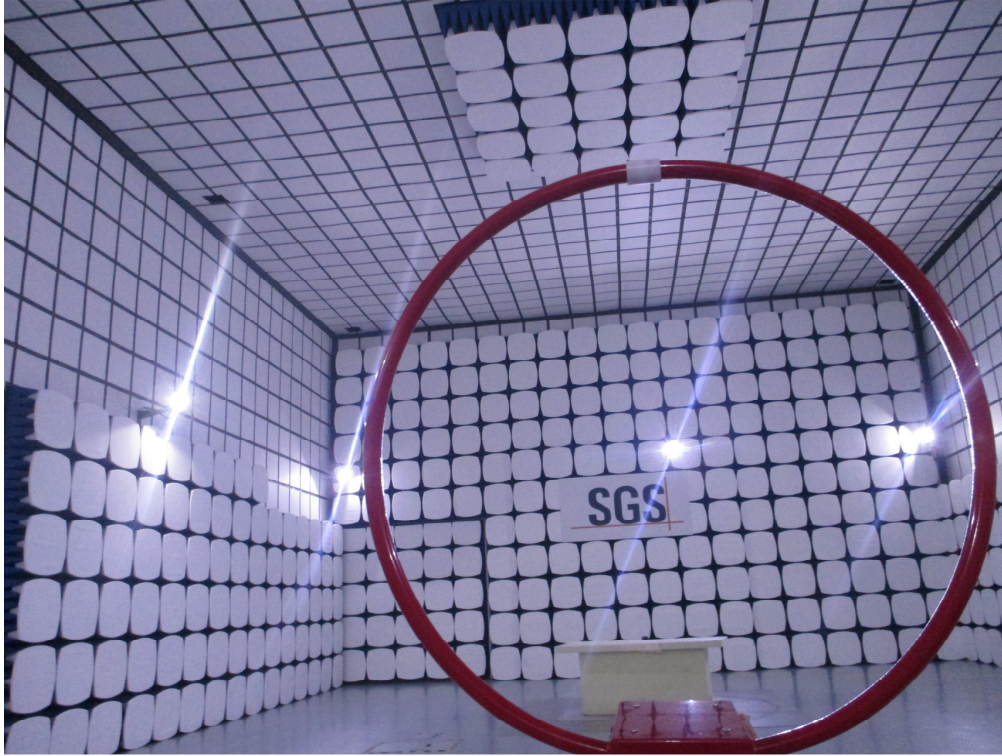


Condition: 3m VERTICAL
Job No. : 02817CR
Test mode: a

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	1.22	8.70	27.15	66.00	48.77	43.50	5.27
2	1.22	8.70	27.14	29.87	12.65	43.50	-30.85
3	1.22	8.70	27.14	37.75	20.53	43.50	-22.97
4	1.22	8.69	27.14	37.85	20.62	43.50	-22.88

8 Photographs

8.1 Radiated Emissions(9kHz-30MHz) Test Setup



8.2 Radiated Emissions(30MHz-1GHz) Test Setup





8.3 EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1704002817CR.