

**TEST REPORT**

**Application No.:** SZCR2501000054AT  
**Applicant:** Standard Euler, Inc.  
**Address of Applicant:** 479 Jessie Street, San Francisco, California 94103 United States  
**Manufacturer:** Jetta Company Limited  
**Address of Manufacturer:** 19 On Kui St., On Lok Tsuen, Fanling, NT, HK, Hong Kong  
**Equipment Under Test (EUT):**  
**EUT Name:** Bridge Pro  
**Model No.:** BRIDGEPRO-1.0  
**Trade Mark:** Flair  
**FCC ID:** 2AK78BRIDGEPRO  
**Standard(s) :** 47 CFR Part 15, Subpart C 15.249  
**Date of Receipt:** 2025-01-03  
**Date of Test:** 2025-01-09 to 2025-01-14  
**Date of Issue:** 2025-01-23

<b>Test Result:</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.



Keny Xu  
EMC Laboratory Manager



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing & EEC Laboratory

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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250100005402

Page: 2 of 29

<b>Revision Record</b>				
<b>Version</b>	<b>Chapter</b>	<b>Date</b>	<b>Modifier</b>	<b>Remark</b>
01		2025-01-23		Original

<b>Authorized for issue by:</b>			
		Leo Lai/Project Engineer	
		Eric Fu/Reviewer	

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## 2 Test Summary

<b>Radio Spectrum Technical Requirement</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
Antenna Requirement	47 CFR Part 15, Subpart C 15.249	N/A	47 CFR Part 15, Subpart C 15.203	Pass

<b>Radio Spectrum Matter Part</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Radiated Emissions Below 1GHz		ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)	Pass
Radiated Emissions Above 1GHz		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)	Pass
Field Strength of the Fundamental Signal(15.249(a))		ANSI C63.10 (2013) Section 6.5&6.6	47 CFR Part 15, Subpart C 15.249(a)	Pass
20dB Bandwidth		ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.215	Pass



### 3 Contents

	Page
<b>1 Cover Page .....</b>	<b>1</b>
<b>2 Test Summary .....</b>	<b>3</b>
<b>3 Contents .....</b>	<b>4</b>
<b>4 General Information.....</b>	<b>6</b>
4.1    Details of E.U.T .....	6
4.2    Description of Support Units .....	6
4.3    Measurement Uncertainty .....	6
4.4    Test Location.....	7
4.5    Test Facility .....	7
4.6    Deviation from Standards.....	7
4.7    Abnormalities from Standard Conditions .....	7
<b>5 Equipment List .....</b>	<b>8</b>
<b>6 Radio Spectrum Technical Requirement .....</b>	<b>10</b>
6.1    Antenna Requirement .....	10
6.1.1    Test Requirement: .....	10
6.1.2    Conclusion .....	10
<b>7 Radio Spectrum Matter Test Results .....</b>	<b>11</b>
7.1    Conducted Emissions at AC Power Line (150kHz-30MHz).....	11
7.1.1    E.U.T. Operation .....	11
7.1.2    Test Mode Description .....	11
7.1.3    Test Setup Diagram .....	11
7.1.4    Measurement Procedure and Data.....	12
7.2    Radiated Emissions Below 1GHz .....	15
7.2.1    E.U.T. Operation .....	15
7.2.2    Test Mode Description .....	15
7.2.3    Test Setup Diagram .....	15
7.2.4    Measurement Procedure and Data.....	16
7.3    Radiated Emissions Above 1GHz .....	19
7.3.1    E.U.T. Operation .....	19
7.3.2    Test Mode Description .....	19
7.3.3    Test Setup Diagram` .....	19
7.3.4    Measurement Procedure and Data.....	20
7.4    Field Strength of the Fundamental Signal(15.249(a)).....	23
7.4.1    E.U.T. Operation .....	23
7.4.2    Test Mode Description .....	23
7.4.3    Test Setup Diagram .....	23
7.4.4    Measurement Procedure and Data.....	24
7.5    20dB Bandwidth .....	27
7.5.1    E.U.T. Operation .....	27



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250100005402

Page: 5 of 29

7.5.2	Test Mode Description .....	27
7.5.3	Test Setup Diagram .....	27
7.5.4	Measurement Procedure and Data.....	27
<b>8</b>	<b>Test Setup Photo .....</b>	<b>29</b>
<b>9</b>	<b>EUT Constructional Details (EUT Photos) .....</b>	<b>29</b>



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## 4 General Information

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

Power supply:	DC 5V type C port from AC/DC adapter AC 24V
Cable(s):	Type A to Type C Cable: 1.8m with shielded RJ45 Cable: 1.2m
Cable Loss (for RF conducted test):	0.7dB
Operation Frequency:	915MHz
Modulation Type:	FSK
Channel Bandwidth:	125kHz
Number of Channels:	1
Antenna Type:	Glue stick antenna
Antenna Gain:	-1.83dBi

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--

The EUT has been tested as an independent unit.

### 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.1dB
Radiated Emissions Below 1GHz	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Emissions Above 1GHz	± 4.6dB (1GHz-18GHz); ± 4.8dB (18MHz-40GHz)
20dB Bandwidth	± 3%

Remark:

The  $U_{lab}$  (lab Uncertainty) is less than  $U_{cispr/ETSI}$  (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

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#### 4.4 Test Location

All tests were performed at:

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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:

- **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 (Member No. 1937)**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

- **FCC –Designation Number: CN1336**

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

Designation Number: CN1336. Test Firm Registration Number: 787754.

- **Innovation, Science and Economic Development Canada**

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

CAB identifier: CN0006.

IC#: 4620C.

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None

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## 5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-8	2026-01-7
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2024-07-06	2025-07-05
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14
LISN	ETS-LINDGREN	3816/2	SEM007-02	2024-03-14	2025-03-13

Radiated Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2024-08-14	2025-08-13
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2024-03-14	2025-03-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2024-07-06	2025-07-05

Radiated Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2024-05-11	2027-05-10
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2024-03-15	2025-03-14
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
Microwave system amplifier	Agilent	83017A	SEM005-25	2024-09-14	2025-09-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2024-07-06	2025-07-05



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250100005402

Page: 9 of 29

Field Strength of the Fundamental Signal(15.249(a))					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2024-08-14	2025-08-13
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2024-03-14	2025-03-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2024-07-06	2025-07-05

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2024-03-14	2025-03-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2024-03-27	2025-03-26
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2024-03-18	2025-03-17

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## 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

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is an external antenna with reverse SMA connector. The best case gain of the antenna is -1.83dBi.

Antenna location: Refer to internal photos



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## 7 Radio Spectrum Matter Test Results

### 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

#### 7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

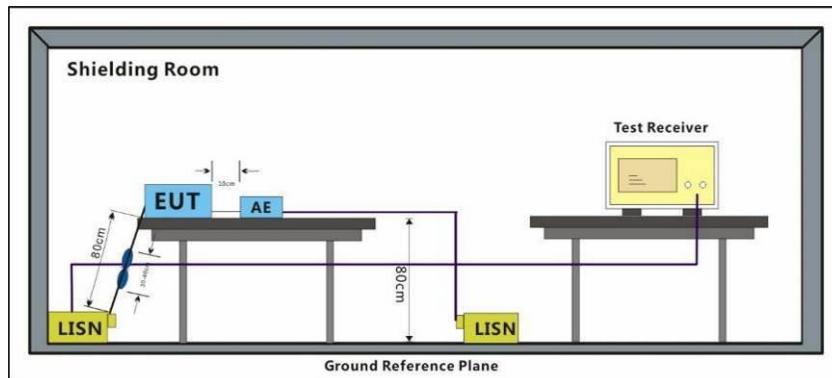
Humidity: 45.5 % RH

Atmospheric Pressure: 1020 mbar

#### 7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

#### 7.1.3 Test Setup Diagram



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**7.1.4 Measurement Procedure and Data**

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor



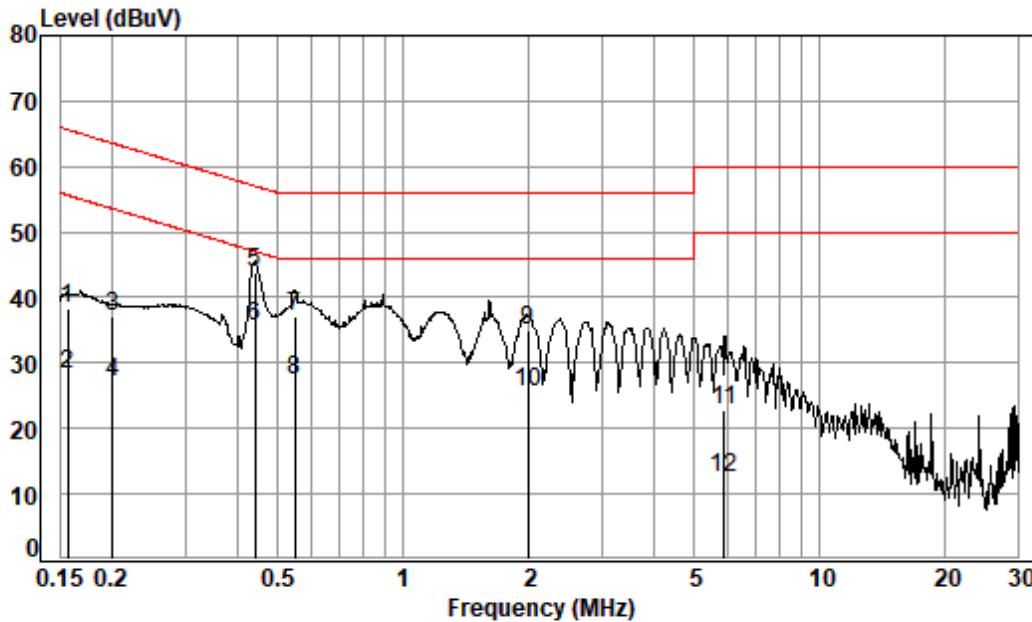
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Test Mode: 00; Line: Live line



Site : Shielding Room

Condition: Line

Job No. : 00054AT

Test mode: 00

Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Over Limit		Remark
					MHz	dB	
						dBuV	
1	0.1573	0.06	10.18	28.09	38.33	65.60	-27.27 QP
2	0.1573	0.06	10.18	18.16	28.40	55.60	-27.20 Average
3	0.2007	0.06	10.12	26.88	37.06	63.58	-26.52 QP
4	0.2007	0.06	10.12	16.79	26.97	53.58	-26.61 Average
5 *	0.4421	0.08	9.61	34.04	43.73	57.02	-13.29 QP
6 *	0.4421	0.08	9.61	25.90	35.59	47.02	-11.43 Average
7	0.5493	0.08	9.57	27.57	37.22	56.00	-18.78 QP
8	0.5493	0.08	9.57	17.68	27.33	46.00	-18.67 Average
9	1.9906	0.10	9.58	25.44	35.12	56.00	-20.88 QP
10	1.9906	0.10	9.58	15.92	25.60	46.00	-20.40 Average
11	5.8980	0.14	9.67	13.14	22.95	60.00	-37.05 QP
12	5.8980	0.14	9.67	2.52	12.33	50.00	-37.67 Average

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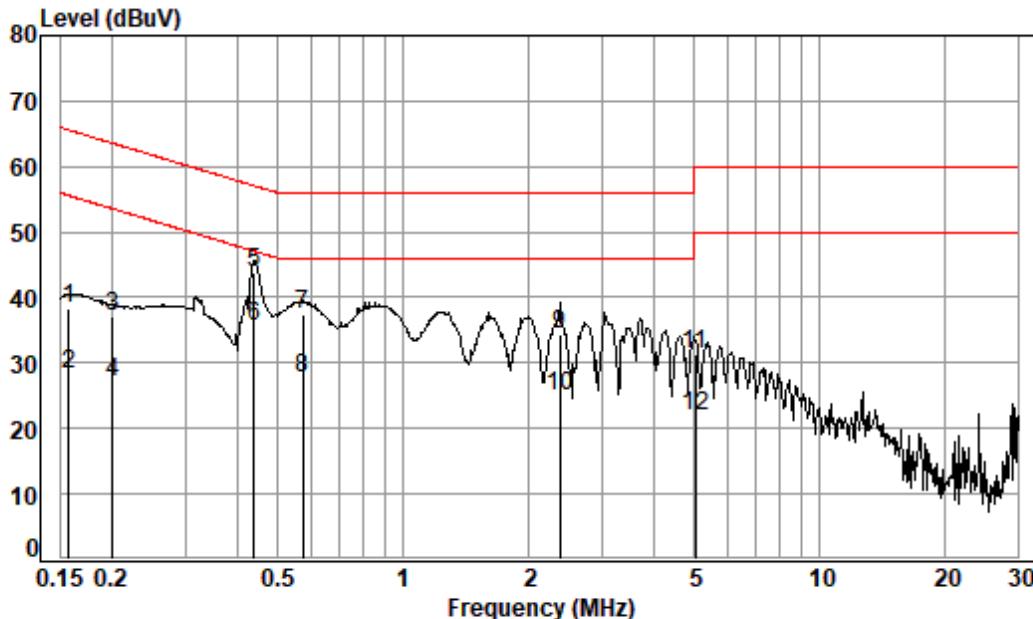
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Test Mode: 00; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 00054AT

Test mode: 00

Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Over		Remark
					MHz	dB	
1	0.1582	0.06	10.14	28.18	38.38	65.56	-27.18 QP
2	0.1582	0.06	10.14	18.22	28.42	55.56	-27.14 Average
3	0.2007	0.06	10.08	26.83	36.97	63.58	-26.61 QP
4	0.2007	0.06	10.08	16.86	27.00	53.58	-26.58 Average
5 *	0.4397	0.08	9.73	34.06	43.87	57.07	-13.20 QP
6 *	0.4397	0.08	9.73	25.88	35.69	47.07	-11.38 Average
7	0.5731	0.08	9.69	27.63	37.40	56.00	-18.60 QP
8	0.5731	0.08	9.69	17.96	27.73	46.00	-18.27 Average
9	2.3710	0.11	9.55	24.77	34.43	56.00	-21.57 QP
10	2.3710	0.11	9.55	15.31	24.97	46.00	-21.03 Average
11	5.0046	0.12	9.56	21.66	31.34	60.00	-28.66 QP
12	5.0046	0.12	9.56	12.27	21.95	50.00	-28.05 Average

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## 7.2 Radiated Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; 15.249 (a),(d)

Test Method: ANSI C63.10 (2013) Section 6.4&amp;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
960-1000	500	3

### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 20.2 °C

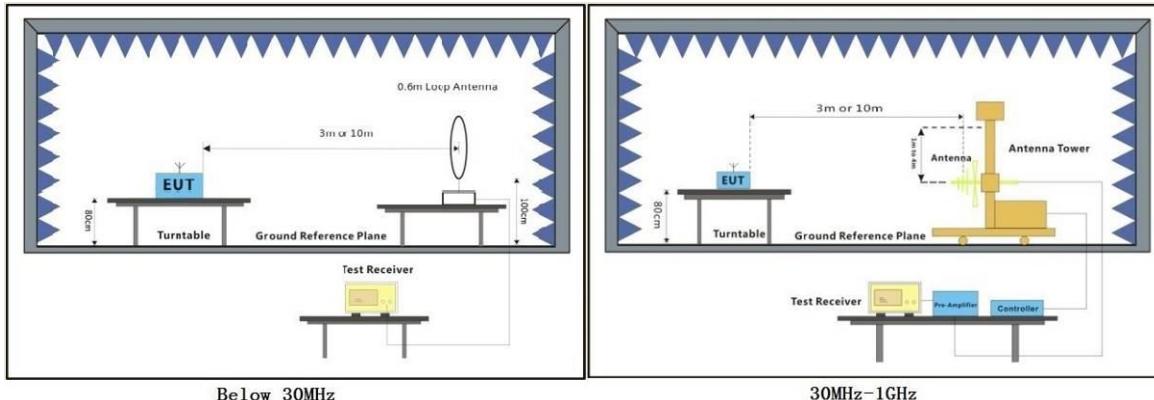
Humidity: 45.2 % RH

Atmospheric Pressure: 1020 mbar

### 7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

### 7.2.3 Test Setup Diagram



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**7.2.4 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. 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.
- 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 quasi-peak 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 the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.



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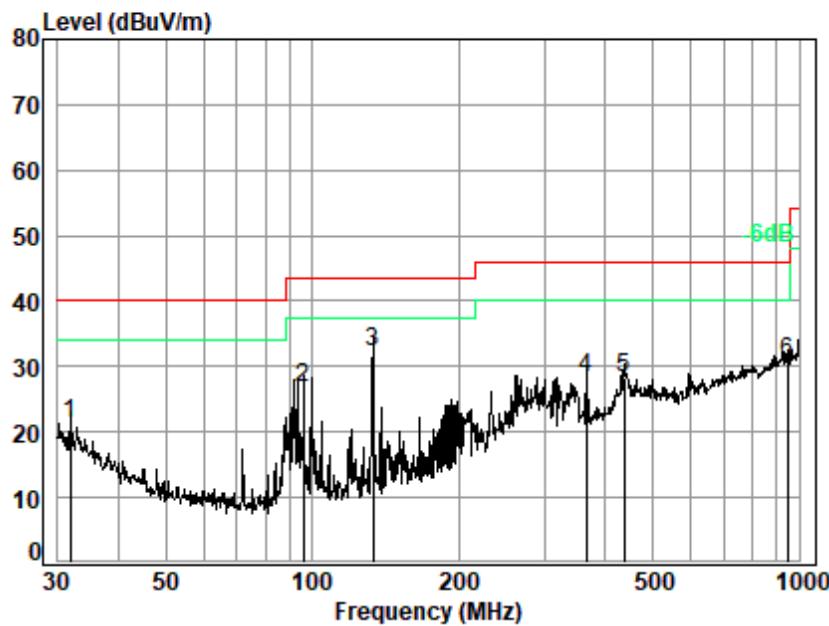
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Test Mode: 00; Polarity: Horizontal



Site : chamber  
Condition: 3m HORIZONTAL  
Job No. : 00054AT  
Test Mode: 00

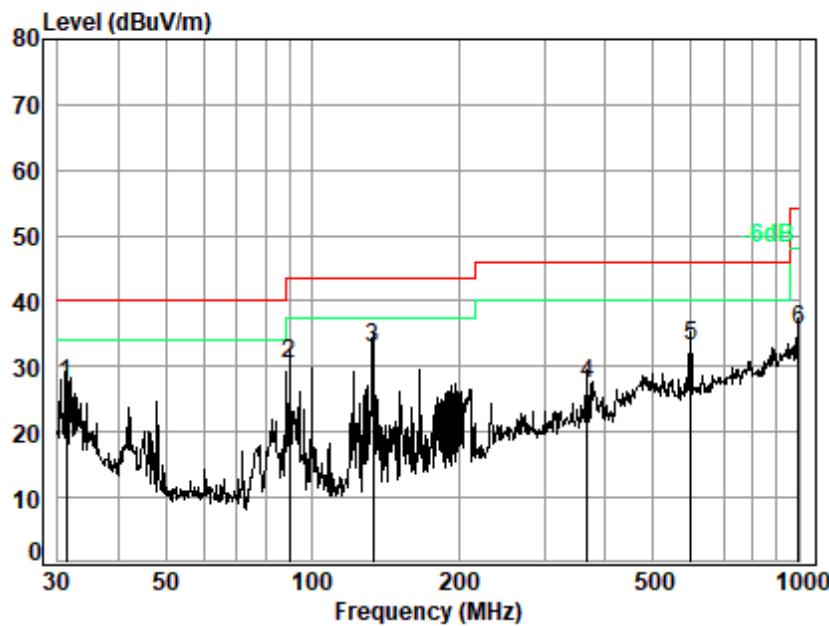
Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					MHz	dB/m	dB	dBuV	dBuV/m
1	31.843	20.34	0.69	27.79	27.91	21.15	40.00	-18.85	QP
2	96.099	12.17	1.20	27.60	40.92	26.69	43.50	-16.81	QP
3	133.151	11.21	1.44	27.45	47.07	32.27	43.50	-11.23	QP
4	365.539	20.31	2.46	27.02	32.50	28.25	46.00	-17.75	QP
5	437.120	21.06	2.72	27.31	31.82	28.29	46.00	-17.71	QP
6	948.761	28.23	4.25	26.42	24.59	30.65	46.00	-15.35	QP

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Test Mode: 00; Polarity: Vertical



Site : chamber  
Condition: 3m VERTICAL  
Job No. : 00054AT  
Test Mode: 00

Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV		
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	31.180	20.65	0.68	27.79	33.83	27.37	40.00	-12.63 QP
2	89.905	11.72	1.16	27.62	45.21	30.47	43.50	-13.03 QP
3 q	133.151	11.21	1.44	27.45	47.73	32.93	43.50	-10.57 QP
4	366.823	20.35	2.47	27.02	31.68	27.48	46.00	-18.52 QP
5	599.321	24.42	3.24	27.97	33.61	33.30	46.00	-12.70 QP
6	996.500	28.18	4.37	26.08	28.98	35.45	54.00	-18.55 QP

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### 7.3 Radiated Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; 15.249 (a),(d)

Test Method: ANSI C63.10 (2013) Section 6.6

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

#### 7.3.1 E.U.T. Operation

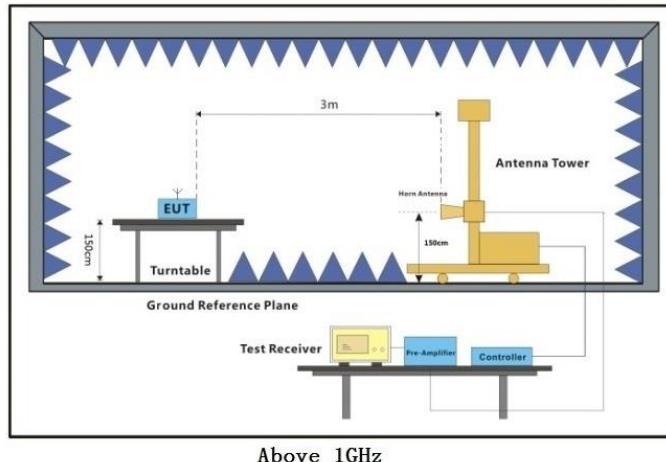
Operating Environment:

Temperature: 24.0 °C Humidity: 60.2 % RH Atmospheric Pressure: 1020 mbar

#### 7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

#### 7.3.3 Test Setup Diagram`

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**7.3.4 Measurement Procedure and Data**

- a. 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.
- 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 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 the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, 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. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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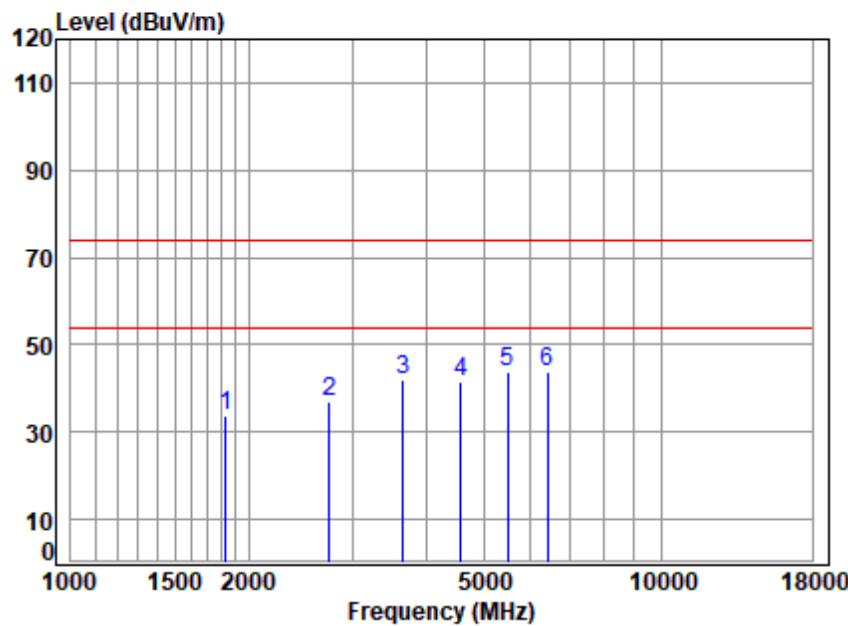
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Test Mode: 00; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No : 00054AT\00055AT

Mode : 915M RSE TX

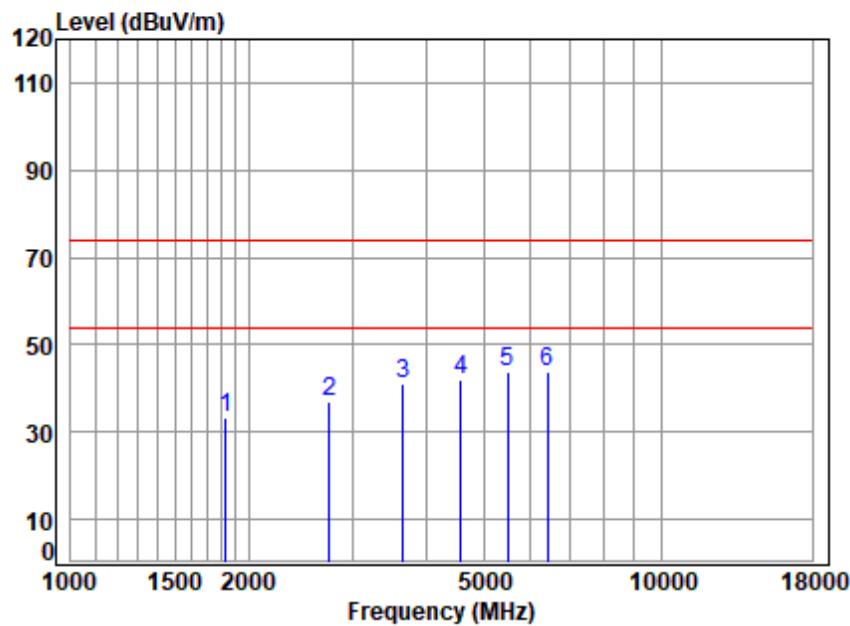
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	dB
1	1830.000	5.01	27.00	54.86	56.41	33.56	74.00	-40.44	Peak
2	2745.000	5.71	29.70	54.98	56.48	36.91	74.00	-37.09	Peak
3	3660.000	6.44	32.76	54.52	57.32	42.00	74.00	-32.00	Peak
4	4575.000	7.22	33.30	54.24	55.45	41.73	74.00	-32.27	Peak
5	5490.000	8.29	34.54	53.64	54.50	43.69	74.00	-30.31	Peak
6 p	6405.000	8.82	35.23	53.14	52.78	43.69	74.00	-30.31	Peak

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Test Mode: 00; Polarity: Vertical



Site : chamber  
Condition: 3m VERTICAL  
Job No : 00054AT\00055AT  
Mode : 915M RSE TX

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								MHz	dB
1	1830.000	5.01	27.00	54.86	56.31	33.46	74.00	-40.54	Peak
2	2745.000	5.71	29.70	54.98	56.48	36.91	74.00	-37.09	Peak
3	3660.000	6.44	32.76	54.52	56.47	41.15	74.00	-32.85	Peak
4	4575.000	7.22	33.30	54.24	55.79	42.07	74.00	-31.93	Peak
5 p	5490.000	8.29	34.54	53.64	54.51	43.70	74.00	-30.30	Peak
6	6405.000	8.82	35.23	53.14	52.73	43.64	74.00	-30.36	Peak

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**7.4 Field Strength of the Fundamental Signal(15.249(a))**

Test Requirement 47 CFR Part 15, Subpart C 15.249(a)

Test Method: ANSI C63.10 (2013) Section 6.5&amp;6.6

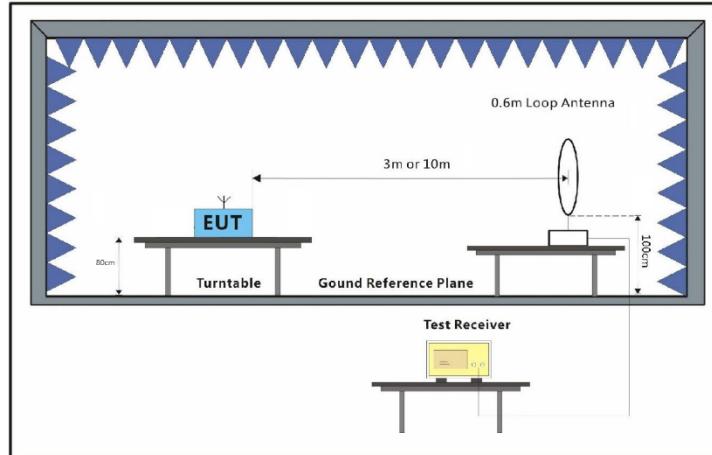
**7.4.1 E.U.T. Operation**

Operating Environment:

Temperature: 24.0 °C      Humidity: 60.2 % RH      Atmospheric Pressure: 1020 mbar

**7.4.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

**7.4.3 Test Setup Diagram**

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**7.4.4 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 or 10 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.

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



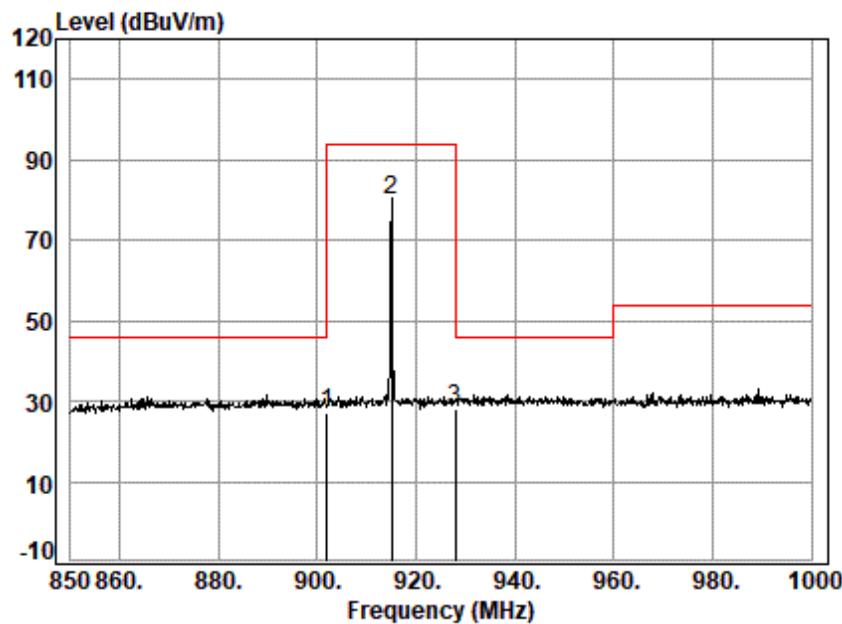
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Test Mode: 00; Polarity: Horizontal

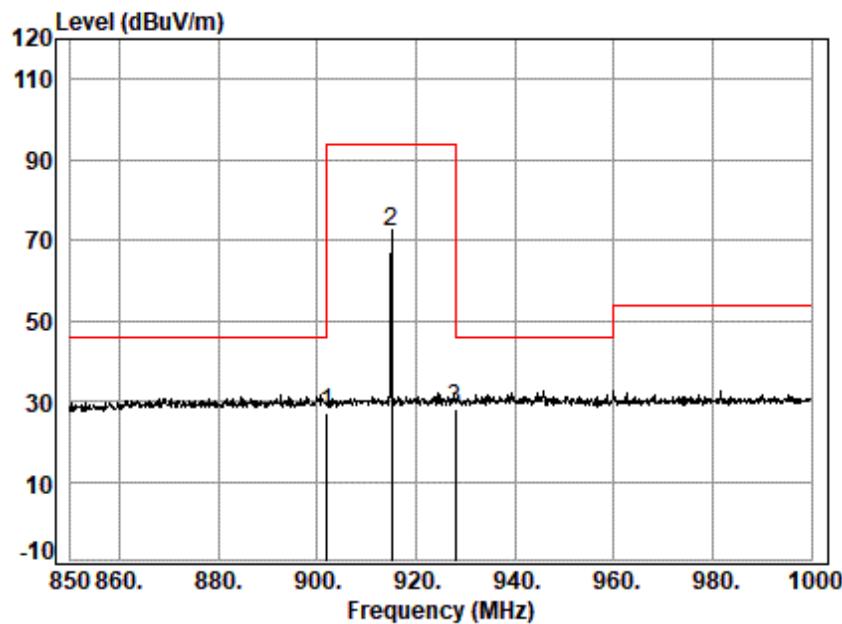


Site : chamber  
Condition: 3m HORIZONTAL  
Job No. : 00054AT  
Test mode: 00

Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Line Limit	Over Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB/m							
1	902.000	27.82	4.10	26.75	21.80	26.97	46.00	-19.03 QP
2 q	914.950	28.03	4.13	26.66	74.62	80.12	94.00	-13.88 QP
3	928.000	28.18	4.16	26.56	22.39	28.17	46.00	-17.83 QP



Test Mode: 00; Polarity: Vertical



Site : chamber  
Condition: 3m VERTICAL  
Job No. : 00054AT  
Test mode: 00

Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Line Limit	Over Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB/m	dB	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 902.000	27.82	4.10	26.75	21.94	27.11	46.00	-18.89	QP
2 914.950	28.03	4.13	26.66	66.50	72.00	94.00	-22.00	QP
3 q 928.000	28.18	4.16	26.56	22.30	28.08	46.00	-17.92	QP



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## 7.5 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215

Test Method: ANSI C63.10 (2013) Section 6.9

### 7.5.1 E.U.T. Operation

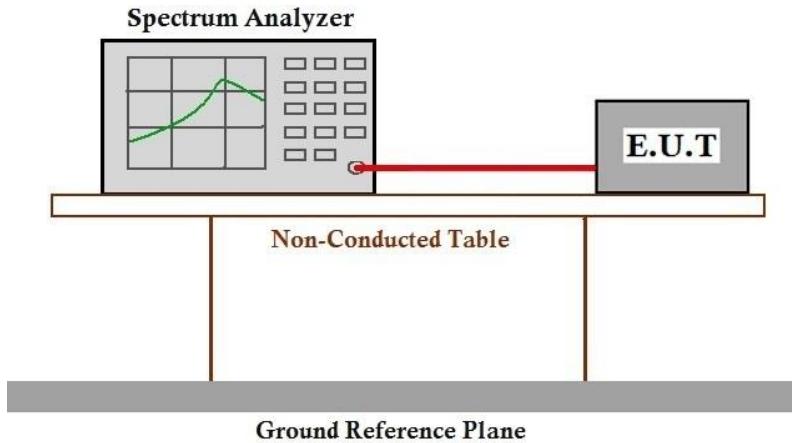
Operating Environment:

Temperature: 20.8 °C      Humidity: 34.7 % RH      Atmospheric Pressure: 1020 mbar

### 7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

### 7.5.3 Test Setup Diagram



### 7.5.4 Measurement Procedure and Data



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## 8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2501000054AT

## 9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2501000054AT

- End of the Report -



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