

TEST REPORT

Application No.: SZCR2307002309AT
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: Vent
Model No.: VENT 6x10, VENT-6x12, VENT-6x14, VENT-8x8,
 VENT-10x10, VENT-12x12 ♣
 ♣ Please refer to section 2 of this report which indicates which model was actual tested and which were electrically identical.
Trade Mark: Flair
FCC ID: 2AK78VENTO
Standard(s) : 47 CFR Part 15, Subpart C 15.249
Date of Receipt: 2023-07-18
Date of Test: 2023-08-29 to 2023-09-18
Date of Issue: 2023-09-22

Test Result:	Pass*
---------------------	--------------

* In the configuration tested, the EUT complied with the standards specified above.

Kenx. Xu

Kenx Xu
EMC Laboratory Manager



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Shenzhen Branch (EMC) EMC Laboratory

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Report No.: SZCR230700230901

Page: 2 of 63

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-09-22		Original

Authorized for issue by:				
		Leo Li		
		Leo Li/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.249	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 15.249	ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.215	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
Restricted Band Around Fundamental Frequency		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209	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



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 4 of 63

Remark:

Model No.: VENT 6x10, VENT-6x12, VENT-6x14, VENT-8x8, VENT-10x10, VENT-12x12

Only the model VENT 6x14, VENT-8x8, VENT-10x10, VENT-12x12, was tested, since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used and internal wiring and functions were identical for the above models, with only difference on as below.

a: Mechanical dimensions

b: Antenna matching circuit, consisting of a capacitor and an inductor

Model&different	VENT 4x10	VENT-4x12	VENT-4x14	VENT 6x10	VENT-6x12	VENT-6x14	VENT-8x8	VENT-8x10	VENT-10x10	VENT-12x12
VENT 4x10	\	a	a	ab	ab	ab	ab	ab	ab	ab
VENT-4x12	a	\	a	ab	ab	ab	ab	ab	ab	ab
VENT-4x14	a	a	\	ab	ab	ab	ab	ab	ab	ab
VENT 6x10	ab	ab	ab	\	a	a	ab	ab	ab	ab
VENT-6x12	ab	ab	ab	a	\	a	ab	ab	ab	ab
VENT-6x14	ab	ab	ab	a	a	\	ab	ab	ab	ab
VENT-8x8	ab	ab	ab	ab	ab	ab	\	ab	ab	ab
VENT-8x10	ab	ab	ab	ab	ab	ab	ab	\	ab	ab
VENT-10x10	ab	ab	ab	ab	ab	ab	ab	ab	\	ab
VENT-12x12	ab	ab	ab	ab	ab	ab	ab	ab	ab	\

This test report (Ref. No.: SZCR230700230901) is only valid with the original test report (Ref. No.: SZCR230600209301).

According to the declaration from the applicant, the models in this report and models in original report were identical, only difference on the Model No., Mechanical dimensions and Antenna matching circuit, consisting of a capacitor and an inductor

Considering to the difference, pre-scans were performed on the sample in this report to find the items which can be influential to the result in the original test report for fully retest.

Therefore in this report of section 2 were fully retested on model and shown the data in this report, other tests please refer to original report SZCR230600209301.



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3 Contents

	Page
1 Cover Page	1
2 Test Summary.....	3
3 Contents	5
4 General Information.....	7
4.1 Details of E.U.T.....	7
4.2 Description of Support Units.....	7
4.3 Measurement Uncertainty	7
4.4 Test Location	8
4.5 Test Facility.....	8
4.6 Deviation from Standards.....	8
4.7 Abnormalities from Standard Conditions.....	8
5 Equipment List	9
6 Radio Spectrum Technical Requirement.....	11
6.1 Antenna Requirement	11
6.1.1 Test Requirement:	11
6.1.2 Conclusion	11
7 Radio Spectrum Matter Test Results.....	12
7.1 20dB Bandwidth	12
7.1.1 E.U.T. Operation	12
7.1.2 Test Mode Description	12
7.1.3 Test Setup Diagram	12
7.1.4 Measurement Procedure and Data.....	13
7.2 Field Strength of the Fundamental Signal (15.249(a))	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 Restricted Band Around Fundamental Frequency.....	25
7.3.1 E.U.T. Operation	25
7.3.2 Test Mode Description	25
7.3.3 Test Setup Diagram	25
7.3.4 Measurement Procedure and Data.....	26
7.4 Radiated Emissions Below 1GHz	43
7.4.1 E.U.T. Operation	43
7.4.2 Test Mode Description	43
7.4.3 Test Setup Diagram	43
7.4.4 Measurement Procedure and Data.....	44
7.5 Radiated Emissions Above 1GHz.....	53
7.5.1 E.U.T. Operation	53



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 6 of 63

7.5.2	Test Mode Description	53
7.5.3	Test Setup Diagram	53
7.5.4	Measurement Procedure and Data.....	54
8	Test Setup Photo	63
9	EUT Constructional Details (EUT Photos).....	63



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4 General Information

4.1 Details of E.U.T.

Power supply:	3.0V DC (2 x alkaline C cell batteries)
Operation Frequency:	915MHz
Modulation Type:	GFSK
Number of Channels:	1
Antenna Type:	Planar Inverted-F Antenna
Antenna Gain:	4.1dBi

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
20dB Bandwidth	$\pm 3\%$
Field Strength of the Fundamental Signal (15.249(a))	$\pm 4.5\text{dB}$ (Below 1GHz); $\pm 4.8\text{dB}$ (Above 1GHz)
Restricted Band Around Fundamental Frequency	$\pm 6.0\text{dB}$ (Below 1GHz); $\pm 4.6\text{dB}$ (Above 1GHz)
Radiated Emissions Below 1GHz	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m
Radiated Emissions Above 1GHz	$\pm 4.6\text{dB}$ (1GHz-18GHz); $\pm 4.8\text{dB}$ (18MHz-40GHz)

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (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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Report No.: SZCR230700230901

Page: 8 of 63

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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Report No.: SZCR230700230901

Page: 9 of 63

5 Equipment List

20dB Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

Field Strength of the Fundamental Signal (15.249(a))					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2022-10-20	2023-10-19
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2023-07-07	2024-07-06

Restricted Band Around Fundamental Frequency					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date

Radiated Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2021-11-30	2023-11-29
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2022-10-20	2023-10-19
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2023-07-07	2024-07-06



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Report No.: SZCR230700230901

Page: 10 of 63

Radiated Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2023-04-01	2026-03-31
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
Microwave system amplifier	Agilent	83017A	SEM005-25	2023-09-19	2024-09-18
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2023-07-07	2024-07-06

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2023-07-28	2024-07-27
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2023-07-28	2024-07-27
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2023-03-23	2024-03-22



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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

Conclusion

Standard Requirement:

Measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 4.1 dBi.

Antenna location: Refer to internal photo.



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

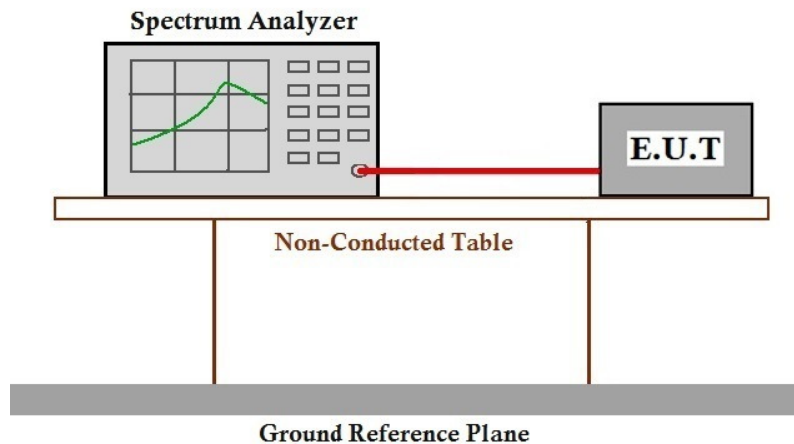
Operating Environment:

Temperature: 20.2 °C Humidity: 45.2 % RH Atmospheric Pressure: 1000 mbar

7.1.2 Test Mode Description

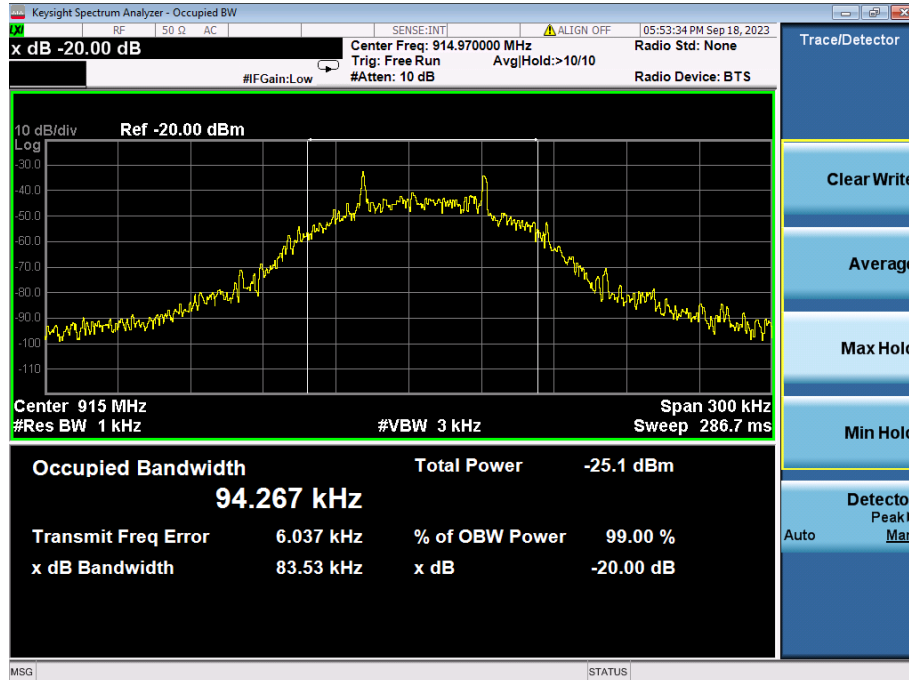
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

7.1.3 Test Setup Diagram

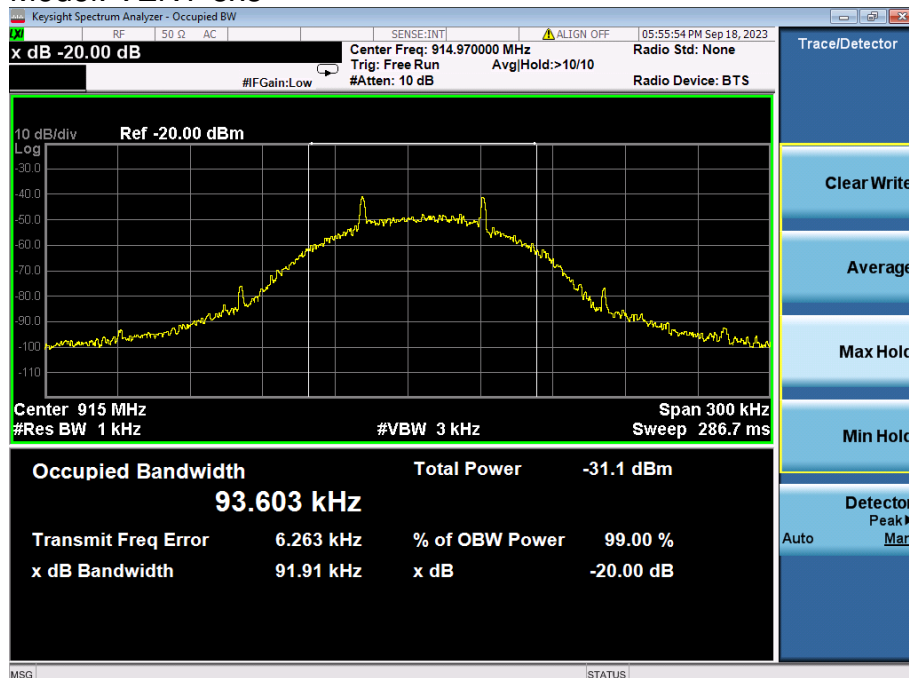


7.1.4 Measurement Procedure and Data

Model: VENT-6x14



Model: VENT-8x8



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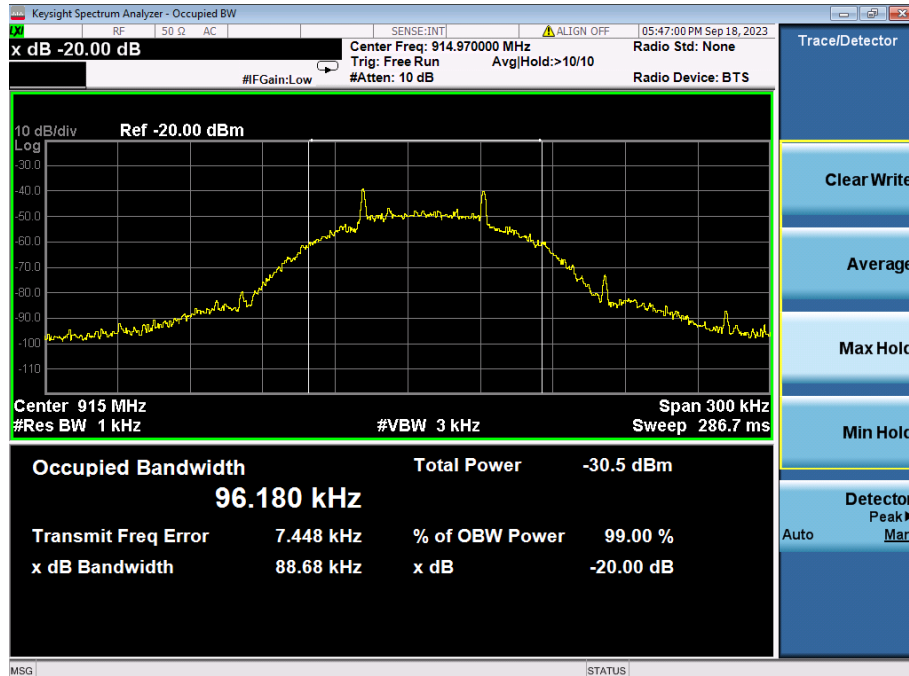
Report No.: SZCR230700230901

Page: 14 of 63

Model: VENT-10x10



Model: VENT-12x12



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7.2 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&6.6

Measurement Distance: 3m

Limit:

Fundamental frequency(MHz)	Field strength of fundamental(millivolts/meter)	Field strength of harmonics(microvolts/meter)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

Remark: The frequencies above 1000MHz 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 fundamental frequency in "902-928MHz", the field strength of fundamental is based on Quasi-Peak.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 22.9 °C

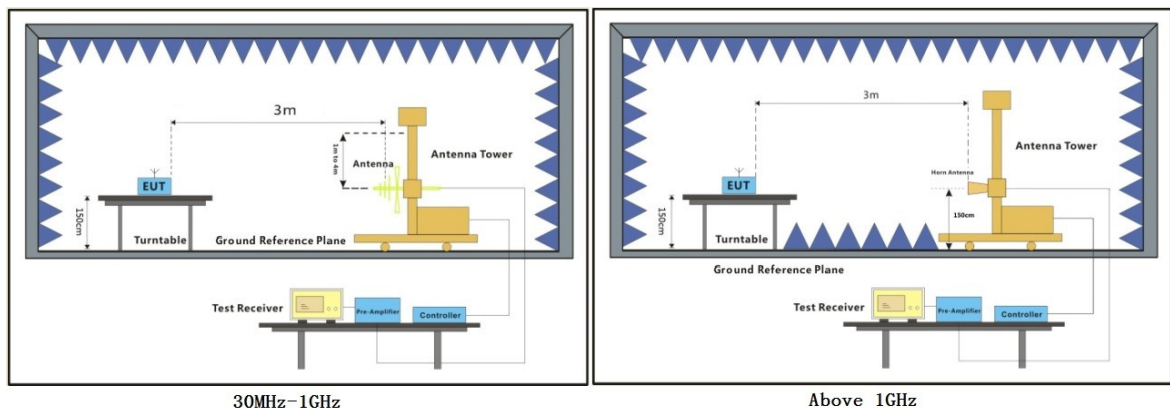
Humidity: 47.5 % RH

Atmospheric Pressure: 1000 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



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 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



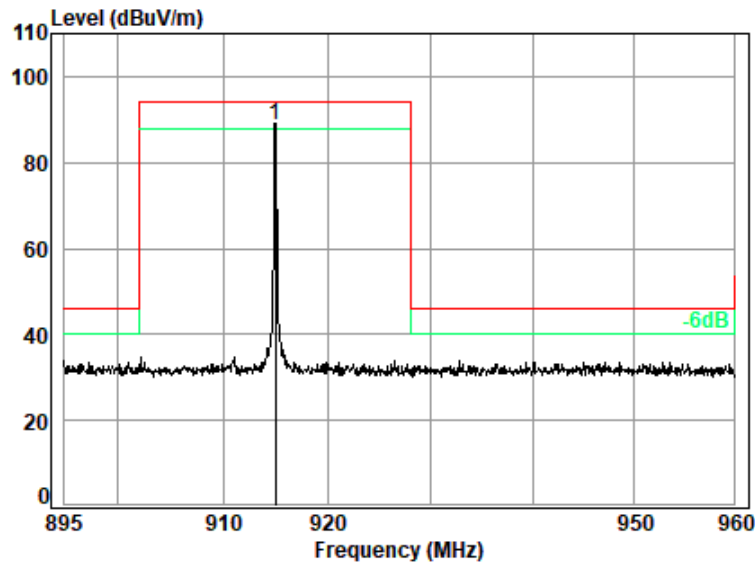
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 17 of 63

Model: VENT-6x14



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Mode : 00
: 6*14 Sample 1

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 915.00	28.36	4.13	27.06	83.31	88.74	94.00	-5.26 QP



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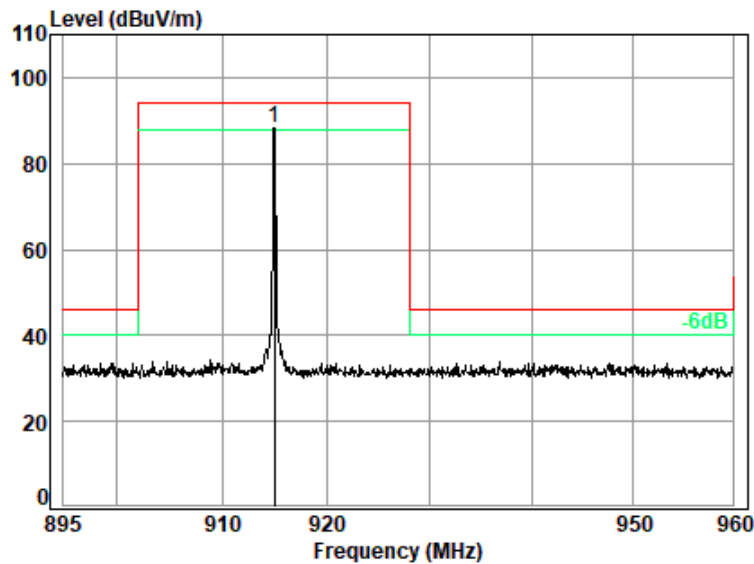
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 18 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Mode : 00
: 6*14 Sample 1

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 915.00	28.36	4.13	27.06	82.68	88.11	94.00	-5.89 QP



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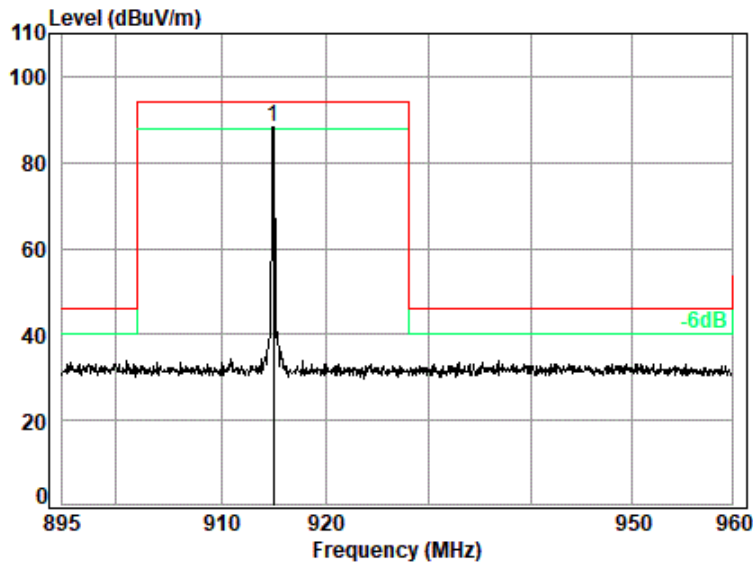
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 19 of 63

Model: VENT-12x12



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Mode : 00
: 12*12

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 914.99	28.36	4.13	27.06	82.98	88.41	94.00	-5.59 QP



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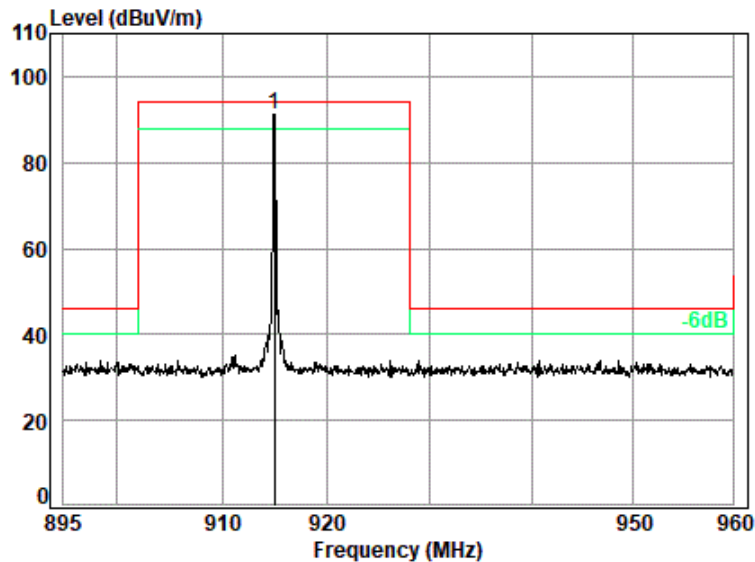
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 20 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Mode : 00
: 12*12

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 915.00	28.36	4.13	27.06	85.57	91.00	94.00	-3.00	QP



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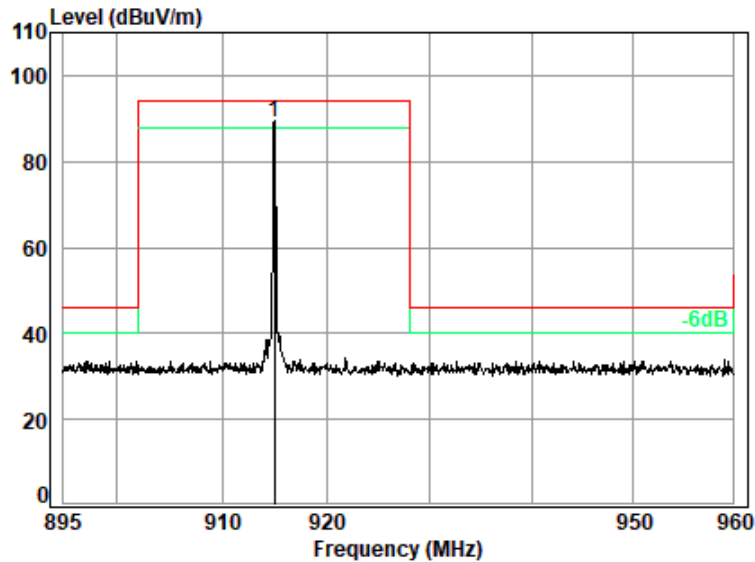
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Report No.: SZCR230700230901

Page: 21 of 63

Model: VENT-10x10



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Mode : 00
: 10*10

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 914.99	28.36	4.13	27.06	83.82	89.25	94.00	-4.75	QP



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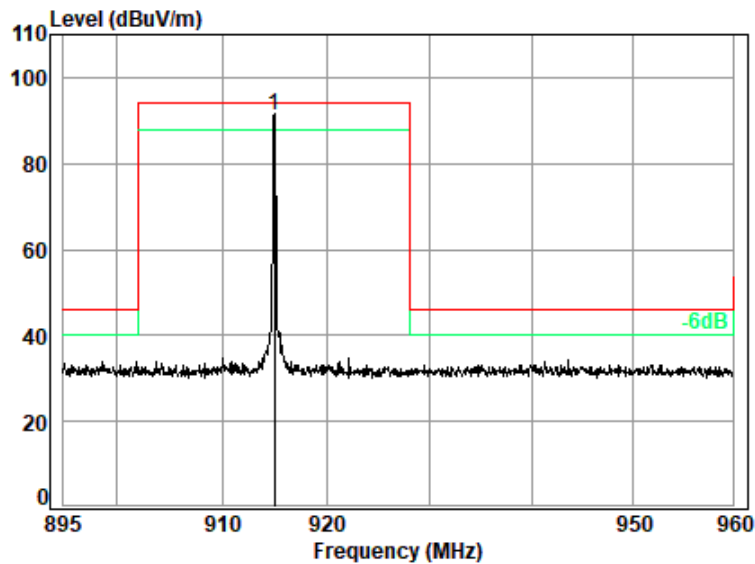
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Report No.: SZCR230700230901

Page: 22 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Mode : 00
: 10*10

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	914.99	28.36	4.13	27.06	85.86	91.29	94.00 -2.71 QP



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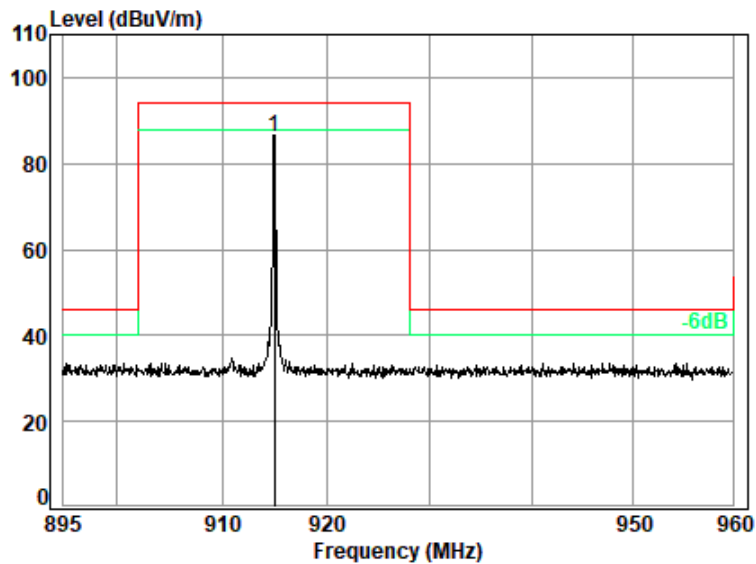
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 23 of 63

Model: VENT-8x8



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Mode : 00
: 8*8 Sample 1

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q 915.00	28.36	4.13	27.06	80.93	86.36	94.00	-7.64 QP



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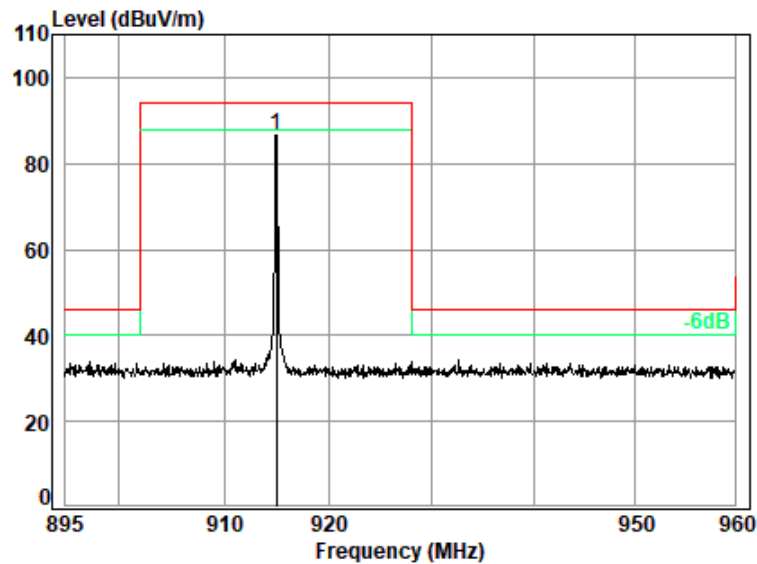
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Report No.: SZCR230700230901

Page: 24 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Mode : 00
: 8*8 Sample 1

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 915.00	28.36	4.13	27.06	81.11	86.54	94.00	-7.46	QP



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7.3 Restricted Band Around Fundamental Frequency

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209

Test Method: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
Above 1GHz	74.0	Peak Value

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22.9 °C

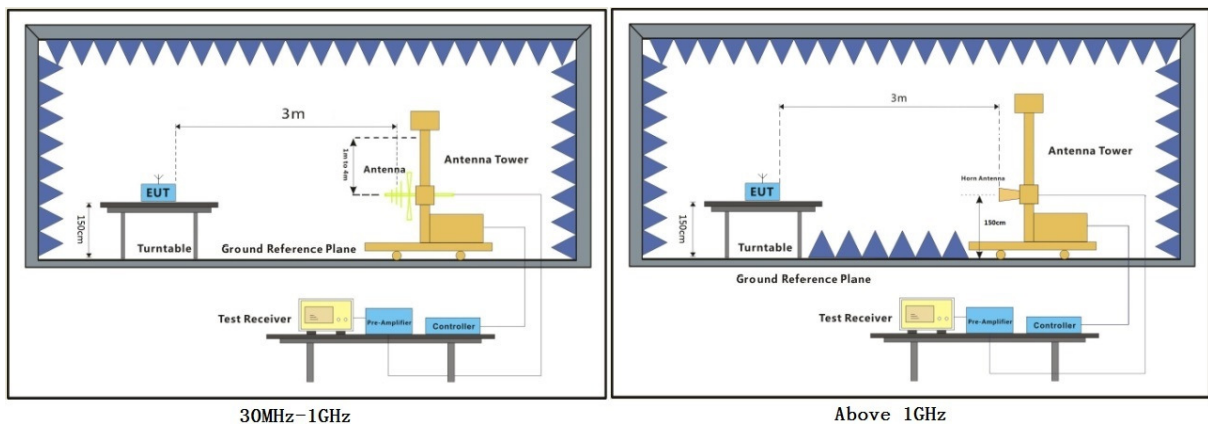
Humidity: 47.5 % RH

Atmospheric Pressure: 1000 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



7.3.4 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



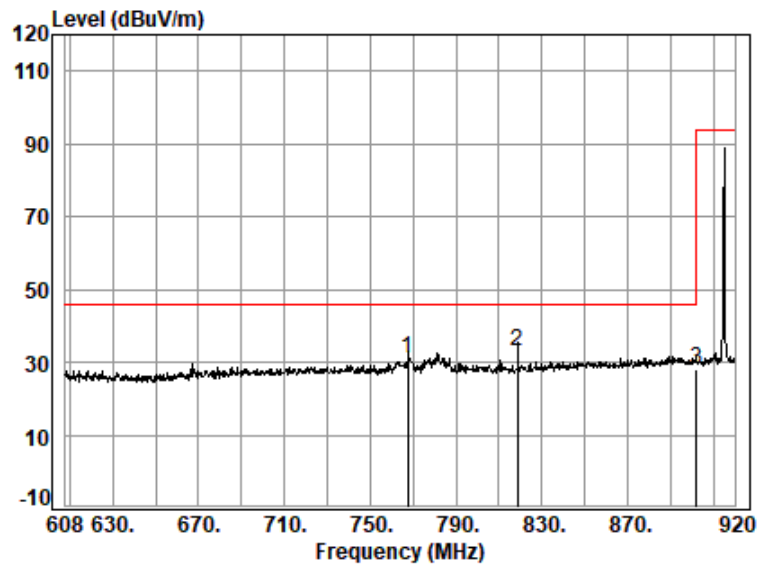
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Report No.: SZCR230700230901

Page: 27 of 63

Model: VENT-6x14



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Test mode: 00
: 6*14 Sample 1

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	767.74	26.65	3.73	27.71	28.16	30.83	46.00 -15.17 QP
2 q	818.91	26.98	3.88	27.52	29.90	33.24	46.00 -12.76 QP
3	902.00	28.67	4.10	27.12	22.53	28.18	46.00 -17.82 QP



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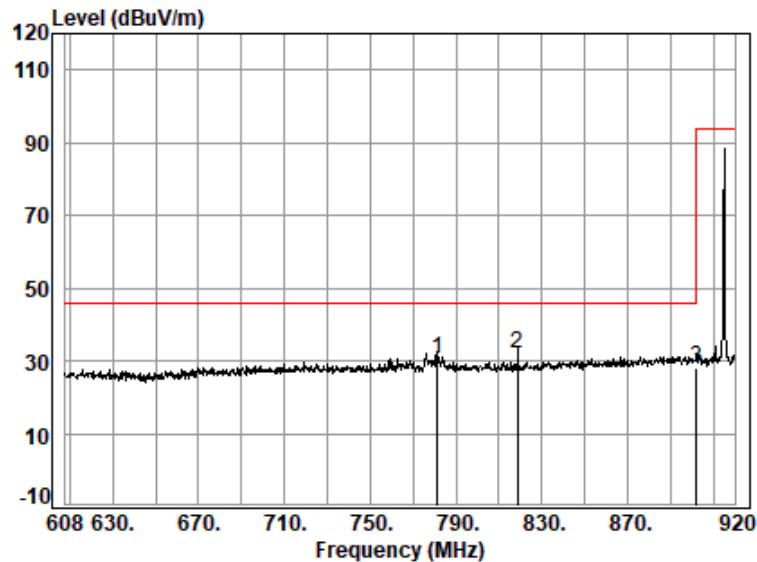
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 28 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Test mode: 00
: 6*14 Sample 1

	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	781.47	26.83	3.77	27.67	27.64	30.57	46.00	-15.43 QP
2 q	818.91	26.98	3.88	27.52	28.83	32.17	46.00	-13.83 QP
3	902.00	28.67	4.10	27.12	22.63	28.28	46.00	-17.72 QP



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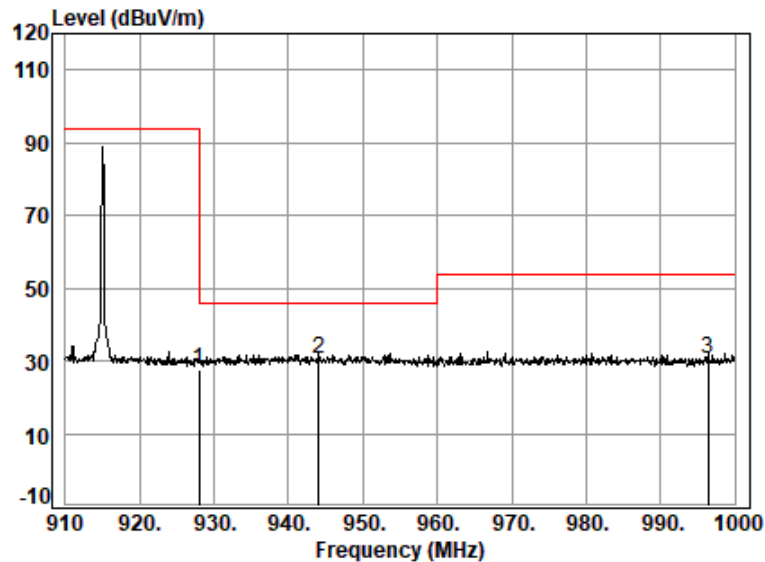
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 29 of 63



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Test mode: 00
: 6*14 Sample 1

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	928.00	28.43	4.16	27.00	22.17	27.76	46.00 -18.24 QP
2 q	944.11	28.69	4.20	26.92	24.32	30.29	46.00 -15.71 QP
3	996.40	28.57	4.34	26.67	24.36	30.60	54.00 -23.40 QP



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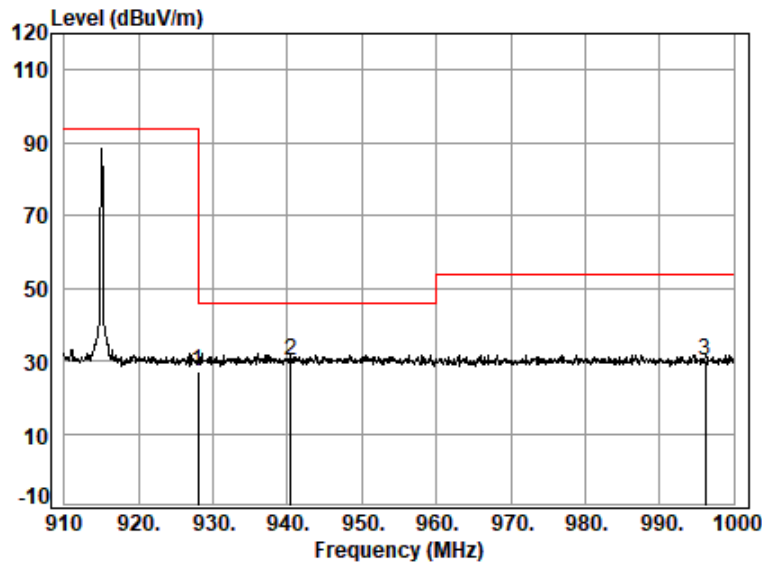
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 30 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Test mode: 00

: 6*14 Sample 1

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	928.00	28.43	4.16	27.00	21.73	27.32	46.00 -18.68 QP
2 q	940.42	28.67	4.20	26.94	23.99	29.92	46.00 -16.08 QP
3	996.22	28.57	4.34	26.67	23.78	30.02	54.00 -23.98 QP



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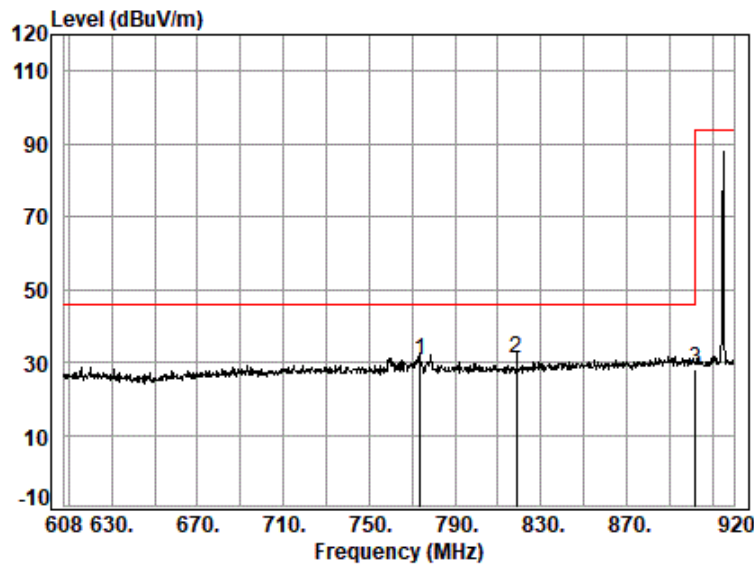
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 31 of 63

Model: VENT-12x12



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Test mode: 00
: 12*12

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	773.67	26.63	3.75	27.69	27.75	30.44	46.00 -15.56 QP
2 q	818.91	26.98	3.88	27.52	27.83	31.17	46.00 -14.83 QP
3	902.00	28.67	4.10	27.12	22.26	27.91	46.00 -18.09 QP



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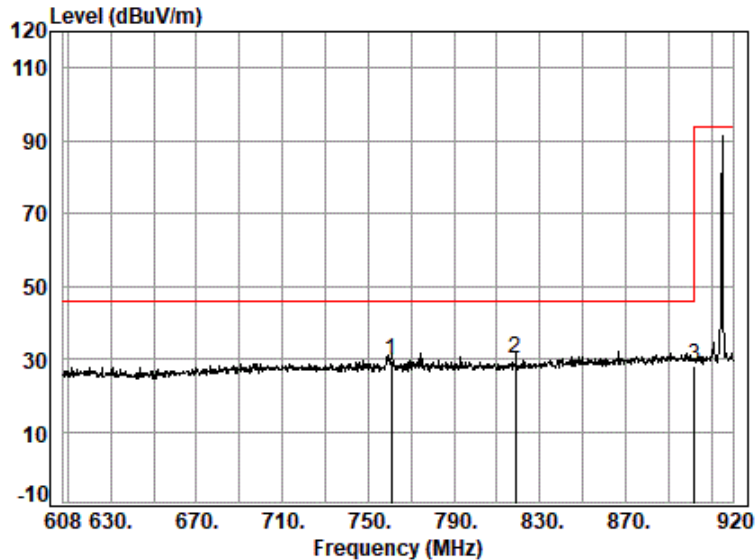
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 32 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Test mode: 00
: 12*12

		Ant	Cable	Preamp	Read	Limit	Over	
	Freq	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	760.88	26.63	3.70	27.73	27.14	29.74	46.00	-16.26 QP
2 q	818.91	26.98	3.88	27.52	26.59	29.93	46.00	-16.07 QP
3	902.00	28.67	4.10	27.12	22.58	28.23	46.00	-17.77 QP



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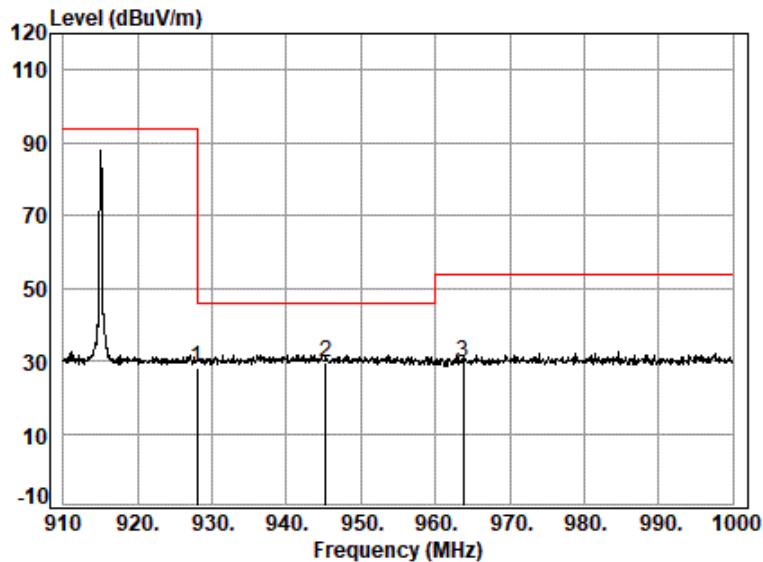
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 33 of 63



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Test mode: 00
: 12*12

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	928.00	28.43	4.16	27.00	22.69	28.28	46.00 -17.72 QP
2 q	945.28	28.69	4.21	26.91	23.77	29.76	46.00 -16.24 QP
3	963.82	28.38	4.26	26.82	23.53	29.35	54.00 -24.65 QP



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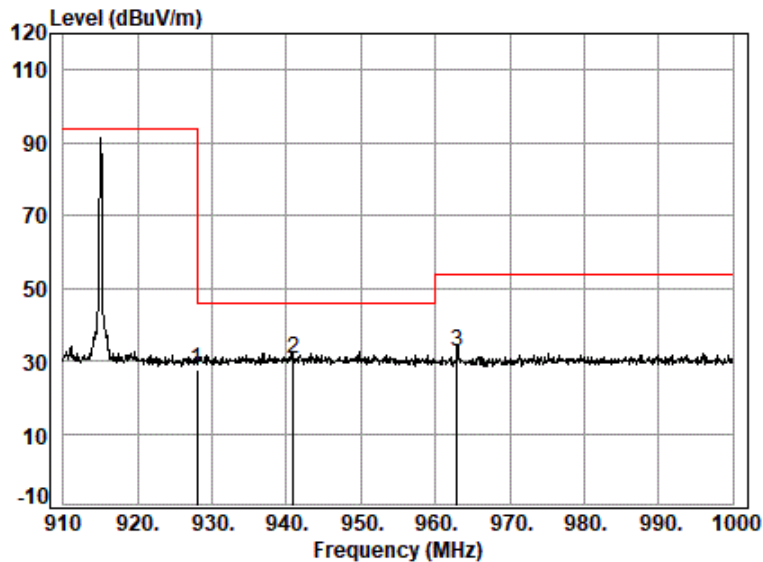
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 34 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Test mode: 00
: 12*12

		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	928.00	28.43	4.16	27.00	22.16	27.75	46.00	-18.25	QP
2 q	940.87	28.67	4.20	26.93	24.54	30.48	46.00	-15.52	QP
3	962.92	28.39	4.25	26.83	26.69	32.50	54.00	-21.50	QP



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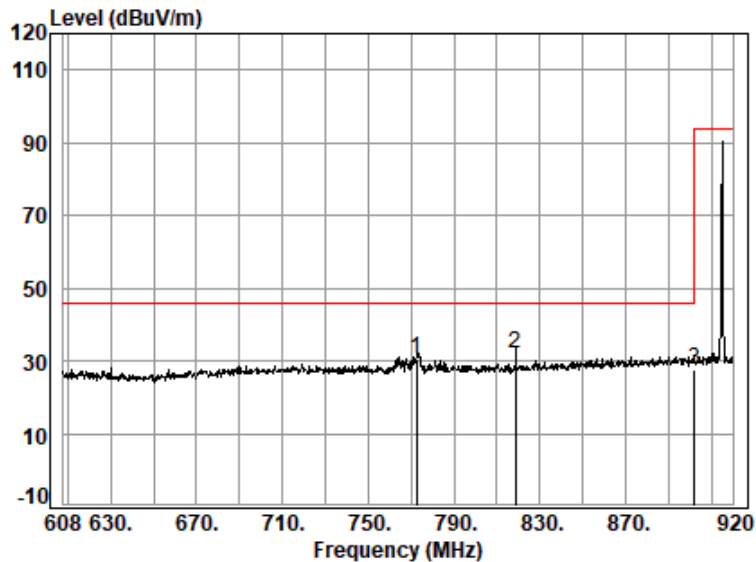
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 35 of 63

Model: VENT-10x10



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Test mode: 00
: 10*10

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	772.74	26.62	3.74	27.69	27.71	30.38	46.00 -15.62 QP
2 q	818.91	26.98	3.88	27.52	28.77	32.11	46.00 -13.89 QP
3	902.00	28.67	4.10	27.12	22.12	27.77	46.00 -18.23 QP



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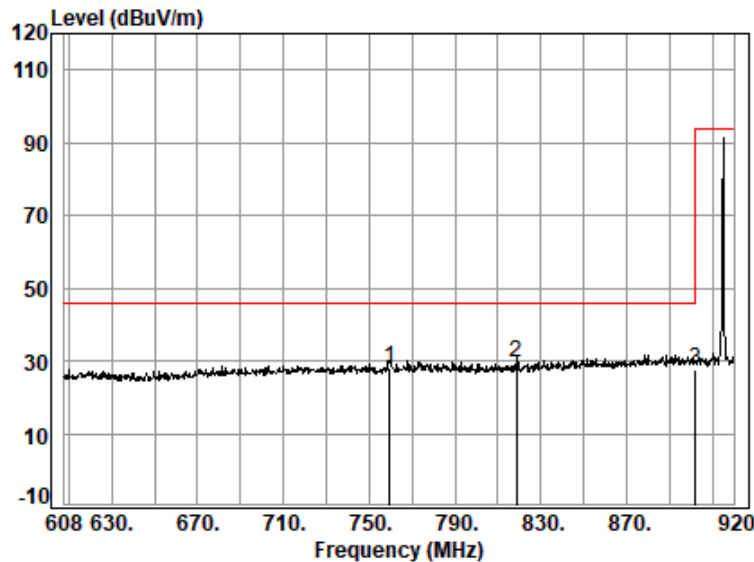
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 36 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Test mode: 00
: 10*10

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	759.63	26.63	3.70	27.74	25.69	28.28	46.00 -17.72 QP
2 q	818.91	26.98	3.88	27.52	25.99	29.33	46.00 -16.67 QP
3	902.00	28.67	4.10	27.12	21.69	27.34	46.00 -18.66 QP



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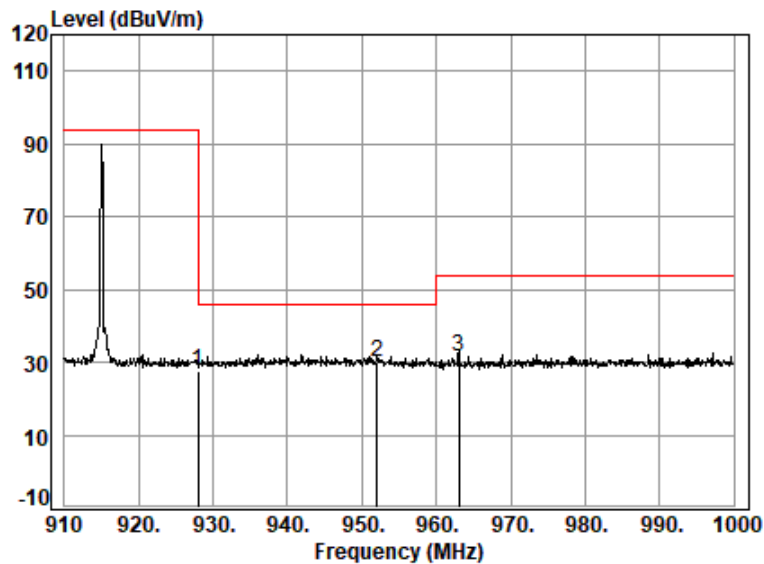
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 37 of 63



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Test mode: 00
: 10*10

		Ant	Cable	Preamp	Read	Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	928.00	28.43	4.16	27.00	21.77	27.36	46.00	-18.64 QP
2 q	952.03	28.67	4.23	26.88	24.14	30.16	46.00	-15.84 QP
3	963.01	28.38	4.25	26.83	25.47	31.27	54.00	-22.73 QP



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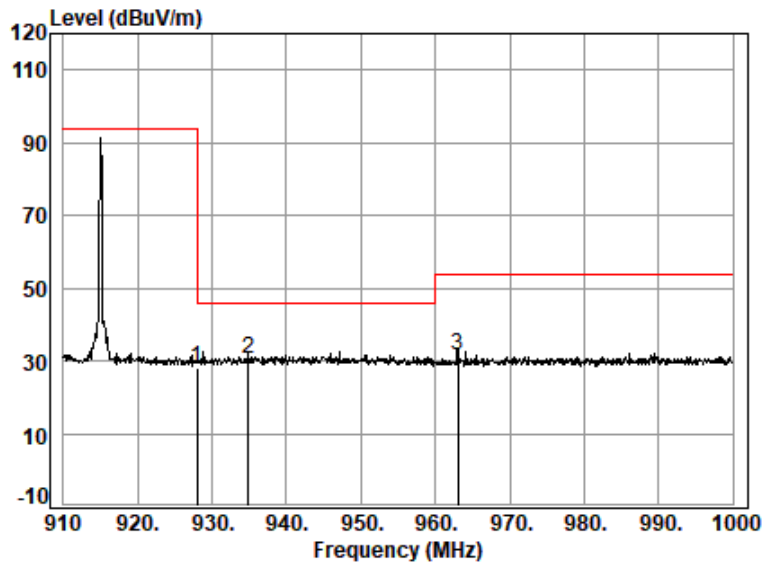
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 38 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Test mode: 00
: 10*10

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	928.00	28.43	4.16	27.00	22.35	27.94	46.00	-18.06 QP
2 q	934.84	28.54	4.18	26.96	24.62	30.38	46.00	-15.62 QP
3	963.01	28.38	4.25	26.83	25.77	31.57	54.00	-22.43 QP



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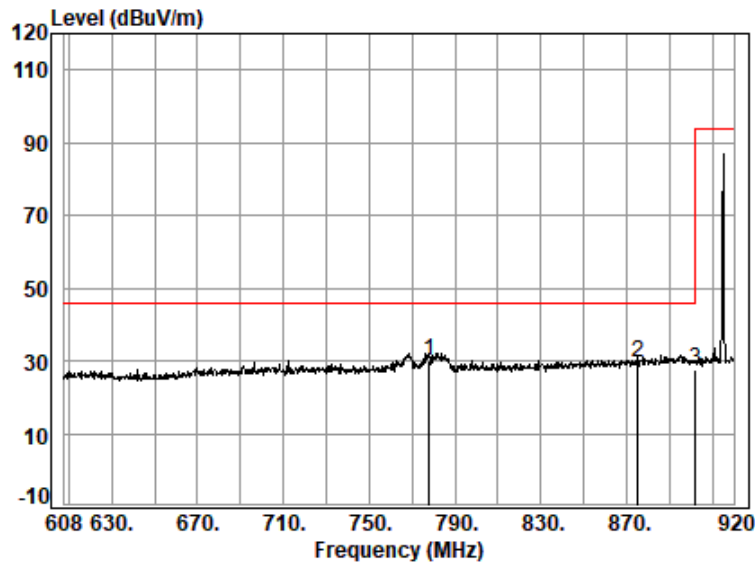
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 39 of 63

Model: VENT-8x8



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Test mode: 00

: 8*8 Sample 1

		Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	778.04	26.75	3.76	27.68	27.19	30.02	46.00	-15.98 QP
2	875.38	28.21	4.03	27.25	24.76	29.75	46.00	-16.25 QP
3	902.00	28.67	4.10	27.12	21.84	27.49	46.00	-18.51 QP



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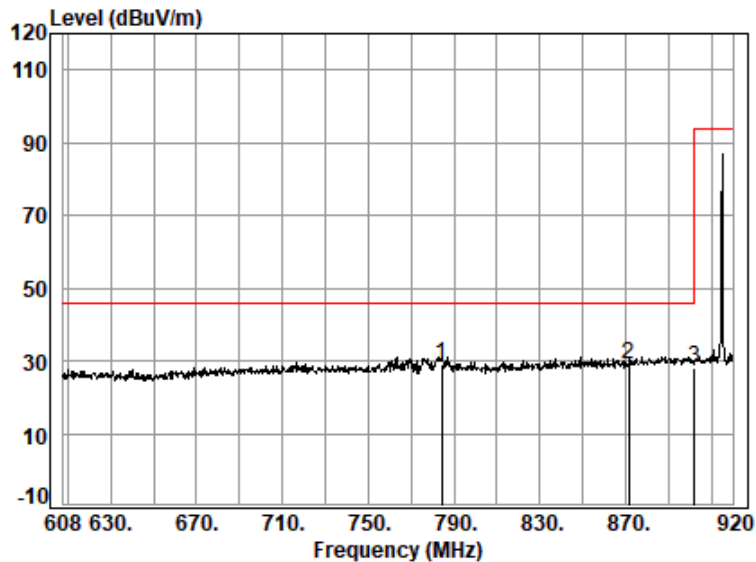
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 40 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Test mode: 00

: 8*8 Sample 1

		Ant	Cable	Preamp	Read	Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	784.28	26.88	3.78	27.66	26.02	29.02	46.00	-16.98 QP
2	871.64	28.03	4.02	27.27	24.14	28.92	46.00	-17.08 QP
3	902.00	28.67	4.10	27.12	22.45	28.10	46.00	-17.90 QP

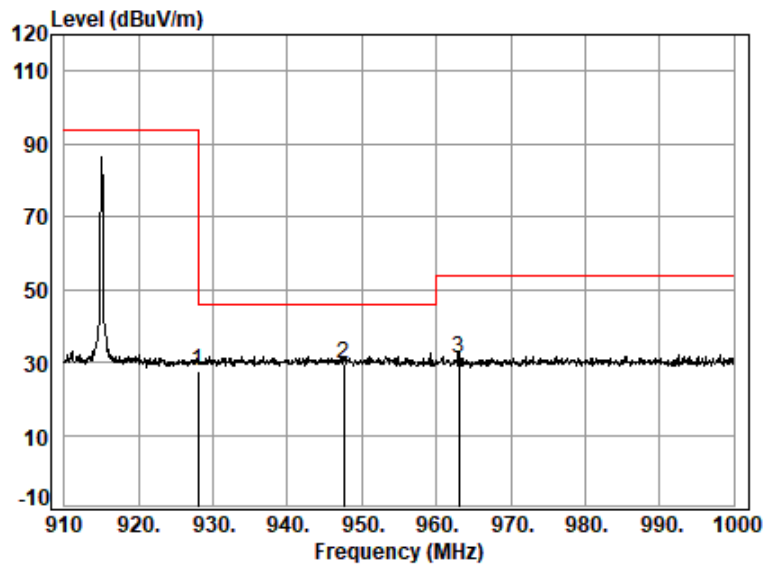


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Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Test mode: 00

: 8*8 Sample 1

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	928.00	28.43	4.16	27.00	21.98	27.57	46.00 -18.43 QP
2 q	947.62	28.70	4.21	26.90	23.69	29.70	46.00 -16.30 QP
3	963.01	28.38	4.25	26.83	25.39	31.19	54.00 -22.81 QP

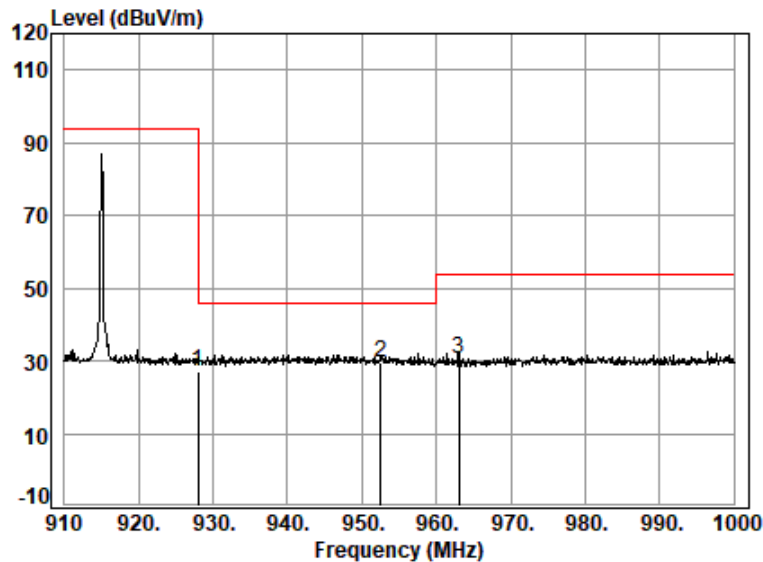


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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 42 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Test mode: 00

: 8*8 Sample 1

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	928.00	28.43	4.16	27.00	21.54	27.13	46.00	-18.87 QP
2 q	952.48	28.66	4.23	26.88	23.72	29.73	46.00	-16.27 QP
3	963.01	28.38	4.25	26.83	24.95	30.75	54.00	-23.25 QP



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7.4 Radiated Emissions Below 1GHz

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

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
960-1000	500	3

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.9 °C

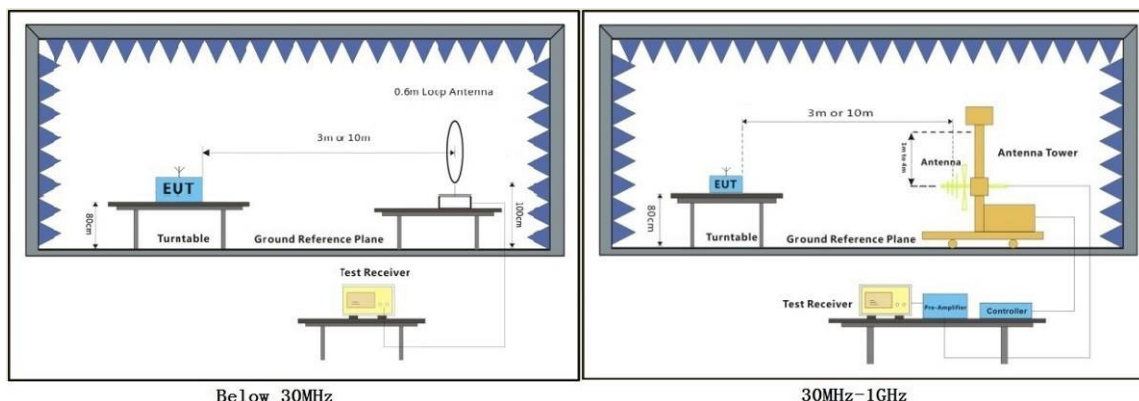
Humidity: 47.5 % RH

Atmospheric Pressure: 1000 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



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 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.



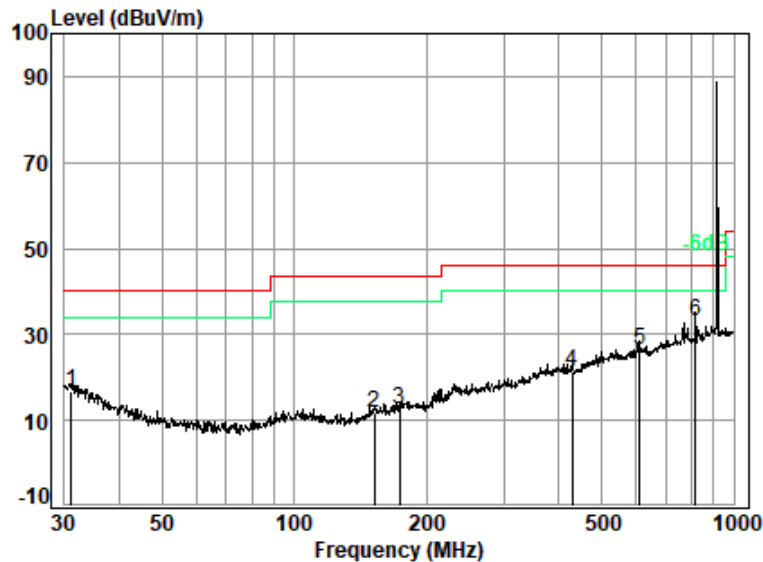
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 45 of 63

Model: VENT-6x14



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Mode : 00
: 6*14 Sample 1

	Ant	Cable	Preamp	Read	Limit	Over		
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	31.07	20.79	0.65	27.80	22.98	16.62	40.00	-23.38 QP
2	152.13	13.40	1.47	27.42	24.13	11.58	43.50	-31.92 QP
3	173.81	14.47	1.59	27.34	23.70	12.42	43.50	-31.08 QP
4	428.02	21.32	2.65	27.46	24.82	21.33	46.00	-24.67 QP
5	609.92	25.66	3.24	28.20	25.60	26.30	46.00	-19.70 QP
6 q	818.83	26.98	3.88	27.52	29.69	33.03	46.00	-12.97 QP



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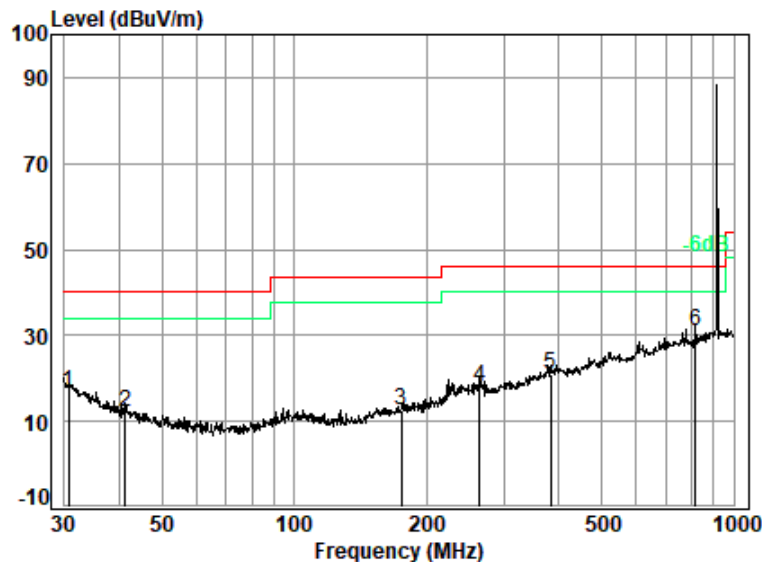
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 46 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Mode : 00
: 6*14 Sample 1

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.64	21.07	0.65	27.80	22.76	16.68	40.00 -23.32 QP
2	41.28	14.90	0.76	27.77	24.38	12.27	40.00 -27.73 QP
3	175.65	14.59	1.60	27.34	23.61	12.46	43.50 -31.04 QP
4	263.82	17.85	2.01	27.02	25.16	18.00	46.00 -28.00 QP
5	382.59	21.30	2.48	27.26	24.57	21.09	46.00 -24.91 QP
6 q	818.83	26.98	3.88	27.52	27.51	30.85	46.00 -15.15 QP



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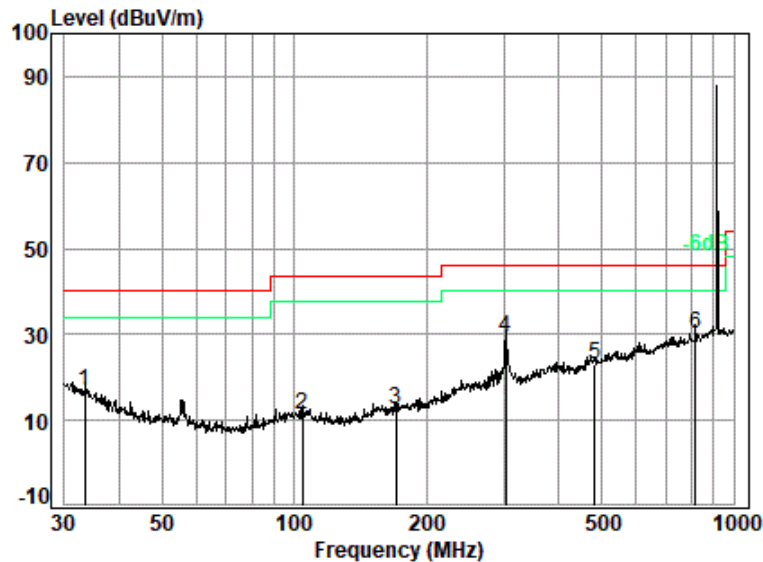
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 47 of 63

Model: VENT-12x12



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Mode : 00
: 12*12

	Ant	Cable	Preamp	Read	Limit	Over		
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	33.44	19.24	0.68	27.79	24.60	16.73	40.00	-23.27 QP
2	104.17	12.96	1.21	27.59	24.93	11.51	43.50	-31.99 QP
3	170.19	14.14	1.57	27.36	24.08	12.43	43.50	-31.07 QP
4	302.48	18.86	2.18	26.90	35.01	29.15	46.00	-16.85 QP
5	482.22	23.18	2.83	27.70	24.61	22.92	46.00	-23.08 QP
6 q	818.83	26.98	3.88	27.52	26.77	30.11	46.00	-15.89 QP



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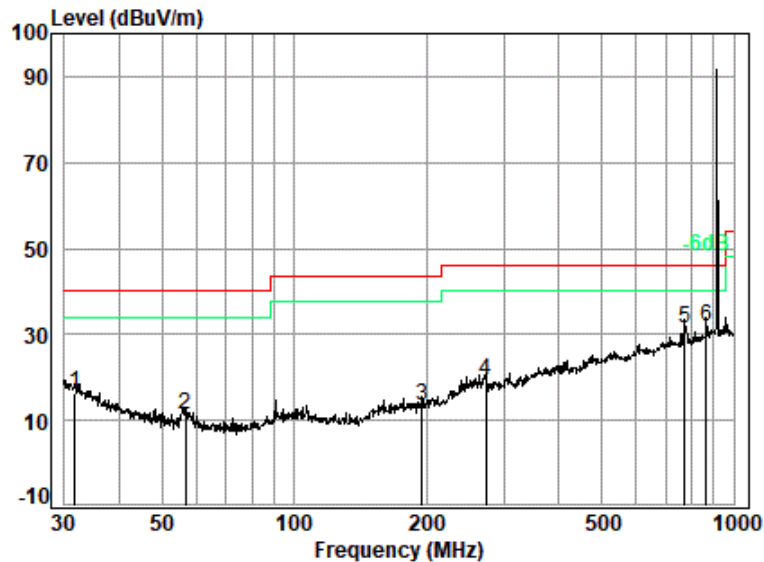
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 48 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Mode : 00
: 12*12

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	31.73	20.38	0.66	27.80	23.30	16.54	40.00 -23.46 QP
2	56.59	11.69	0.89	27.73	26.31	11.16	40.00 -28.84 QP
3	195.14	14.48	1.70	27.27	24.56	13.47	43.50 -30.03 QP
4	272.28	17.88	2.05	26.99	26.17	19.11	46.00 -26.89 QP
5	774.16	26.64	3.75	27.69	28.70	31.40	46.00 -14.60 QP
6 q	866.09	27.88	4.00	27.29	27.14	31.73	46.00 -14.27 QP



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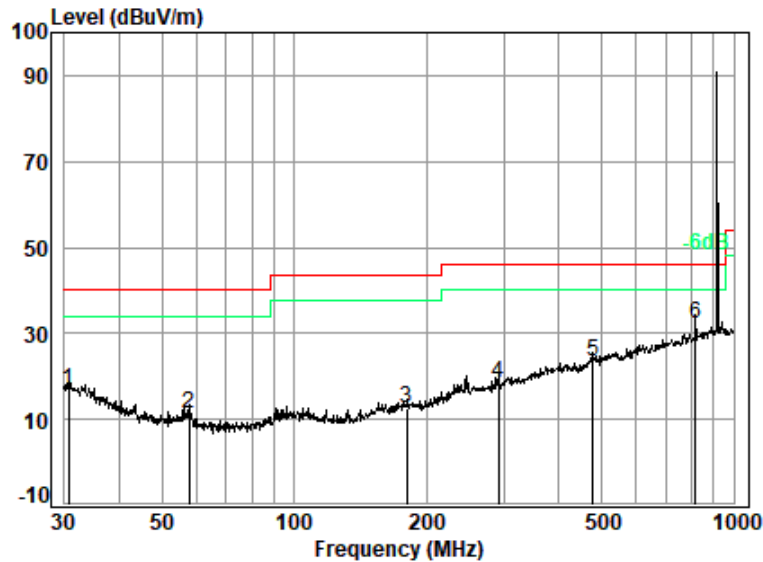
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 49 of 63

Model: VENT-10x10



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Mode : 00
: 10*10

	Ant	Cable	Preamp	Read	Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.64	21.07	0.65	27.80	22.95	16.87	40.00 -23.13 QP
2	57.59	11.55	0.90	27.73	26.52	11.24	40.00 -28.76 QP
3	180.65	14.66	1.63	27.32	23.70	12.67	43.50 -30.83 QP
4	291.04	18.16	2.13	26.92	25.05	18.42	46.00 -27.58 QP
5	478.85	23.17	2.82	27.69	25.09	23.39	46.00 -22.61 QP
6 q	818.83	26.98	3.88	27.52	29.10	32.44	46.00 -13.56 QP



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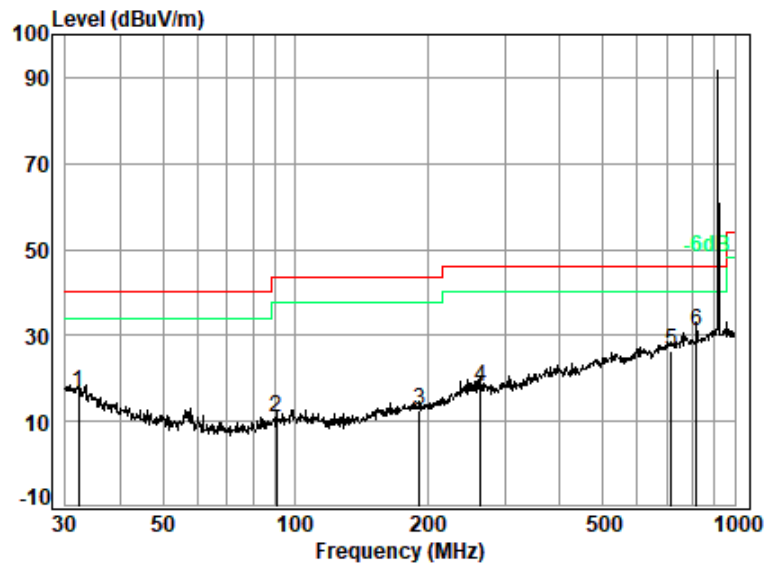
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 50 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Mode : 00
: 10*10

	Ant	Cable	Preamp	Read	Limit	Over		
	Freq	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	32.07	20.17	0.66	27.80	23.61	16.64	40.00	-23.36 QP
2	90.54	12.04	1.13	27.64	25.21	10.74	43.50	-32.76 QP
3	191.75	14.65	1.69	27.28	23.45	12.51	43.50	-30.99 QP
4	263.82	17.85	2.01	27.02	25.10	17.94	46.00	-28.06 QP
5	716.68	26.77	3.56	27.87	24.00	26.46	46.00	-19.54 QP
6 q	818.83	26.98	3.88	27.52	27.60	30.94	46.00	-15.06 QP



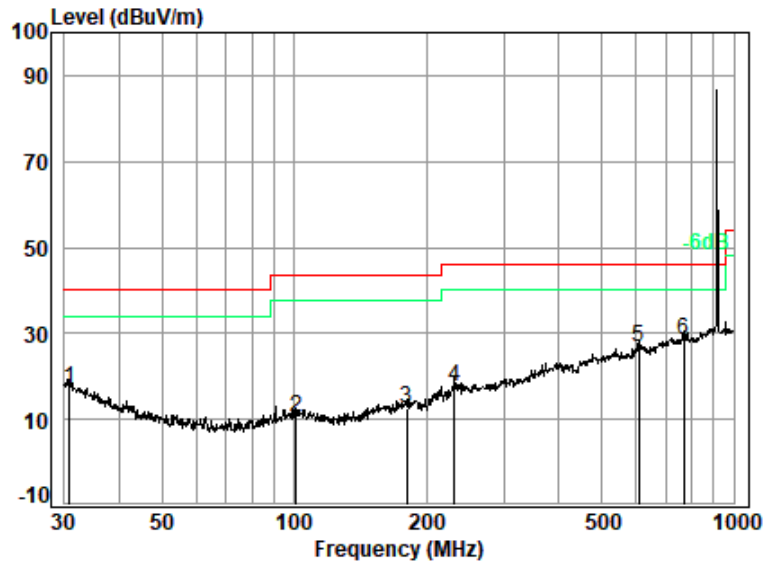
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Model: VENT-8x8



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 02309AT/02310AT
Mode : 00
: 8*8 Sample 1

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.85	20.93	0.65	27.80	23.39	17.17	40.00	-22.83 QP
2	100.93	13.01	1.20	27.61	23.89	10.49	43.50	-33.01 QP
3	180.02	14.66	1.62	27.32	23.60	12.56	43.50	-30.94 QP
4	231.72	17.19	1.87	27.14	25.67	17.59	46.00	-28.41 QP
5	607.79	25.62	3.23	28.21	25.98	26.62	46.00	-19.38 QP
6 q	768.75	26.64	3.73	27.71	25.83	28.49	46.00	-17.51 QP

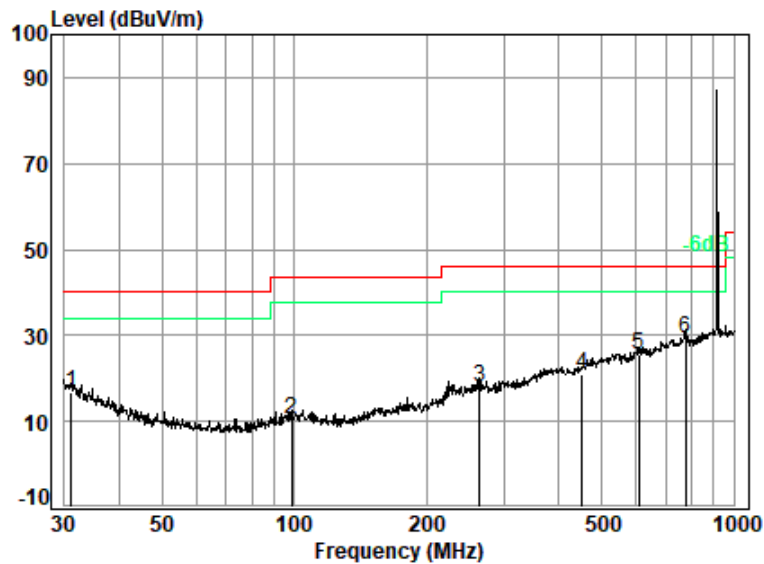


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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 52 of 63



Site : chamber
Condition: 3m VERTICAL
Job No. : 02309AT/02310AT
Mode : 00
: 8*8 Sample 1

	Ant	Cable	Preamp	Read	Limit	Over		
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	31.07	20.79	0.65	27.80	23.20	16.84	40.00	-23.16 QP
2	98.49	12.97	1.18	27.61	24.14	10.68	43.50	-32.82 QP
3	263.82	17.85	2.01	27.02	25.11	17.95	46.00	-28.05 QP
4	451.14	21.78	2.72	27.57	23.87	20.80	46.00	-25.20 QP
5	607.79	25.62	3.23	28.21	24.77	25.41	46.00	-20.59 QP
6 q	776.88	26.71	3.76	27.68	26.73	29.52	46.00	-16.48 QP



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7.5 Radiated Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 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

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 20.9 °C

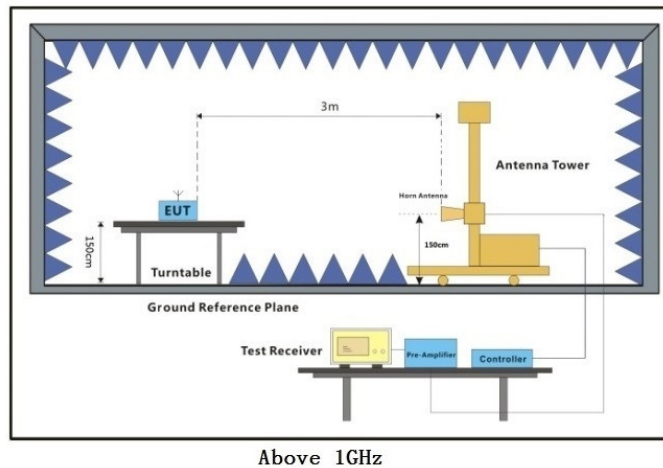
Humidity: 53.1 % RH

Atmospheric Pressure: 1000 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

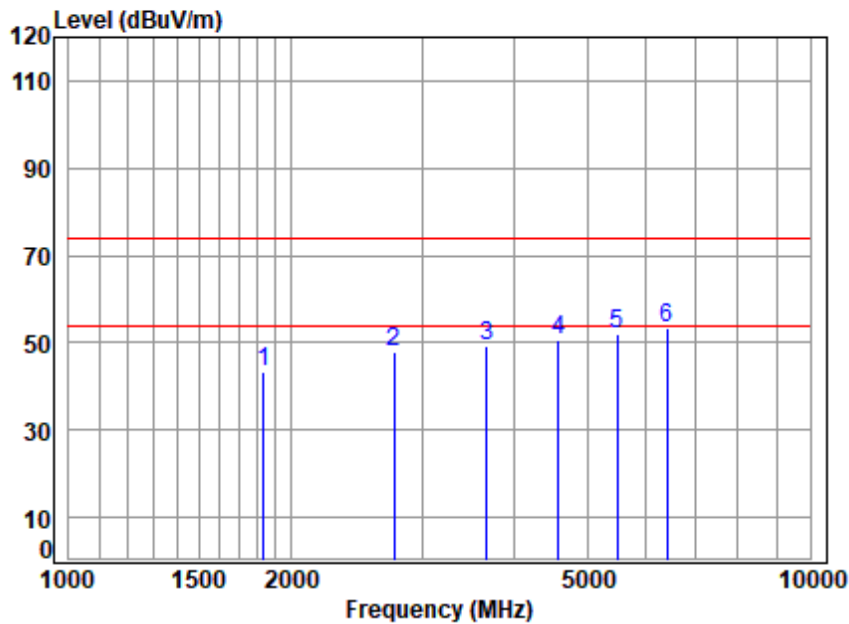
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which 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.



Model: VENT-6x14



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02309AT\02310AT
Mode : RSE TX
: 6X14

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1830.000	4.49	27.18	36.12	47.60	43.15	74.00	-30.85	Peak
2	2745.000	5.38	29.50	35.52	48.71	48.07	74.00	-25.93	Peak
3	3660.000	6.41	32.14	34.68	45.42	49.29	74.00	-24.71	Peak
4	4575.000	7.17	33.45	34.72	44.66	50.56	74.00	-23.44	Peak
5	5490.000	7.81	34.60	35.01	44.43	51.83	74.00	-22.17	Peak
6 q	6405.000	8.49	35.31	35.41	45.09	53.48	74.00	-20.52	Peak

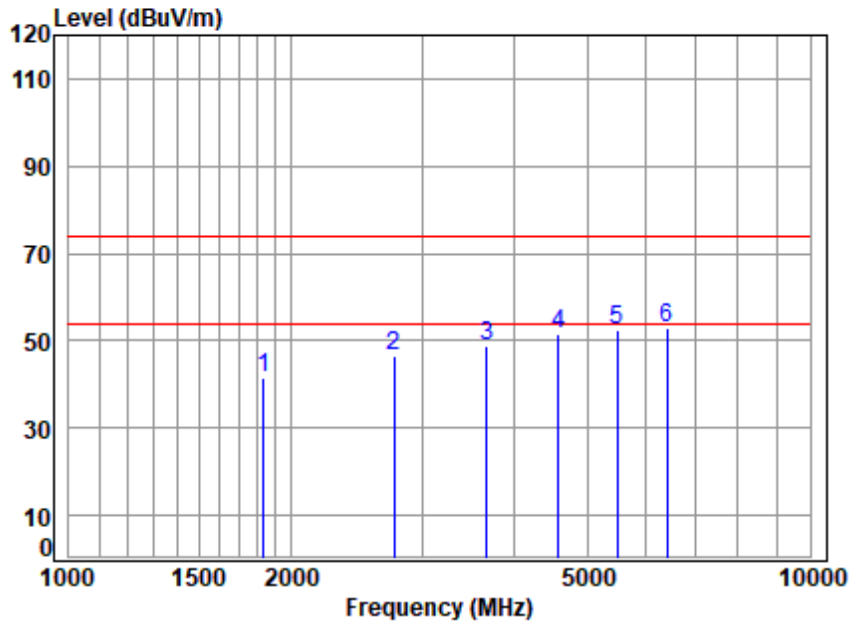


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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 56 of 63



Site : chamber
Condition: 3m VERTICAL
Job No : 02309AT\02310AT
Mode : RSE TX
: 6X14

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1830.000	4.49	27.18	36.12	45.86	41.41	74.00	-32.59	Peak
2	2745.000	5.38	29.50	35.52	47.09	46.45	74.00	-27.55	Peak
3	3660.000	6.41	32.14	34.68	44.99	48.86	74.00	-25.14	Peak
4	4575.000	7.17	33.45	34.72	45.53	51.43	74.00	-22.57	Peak
5	5490.000	7.81	34.60	35.01	45.27	52.67	74.00	-21.33	Peak
6 q	6405.000	8.49	35.31	35.41	44.75	53.14	74.00	-20.86	Peak



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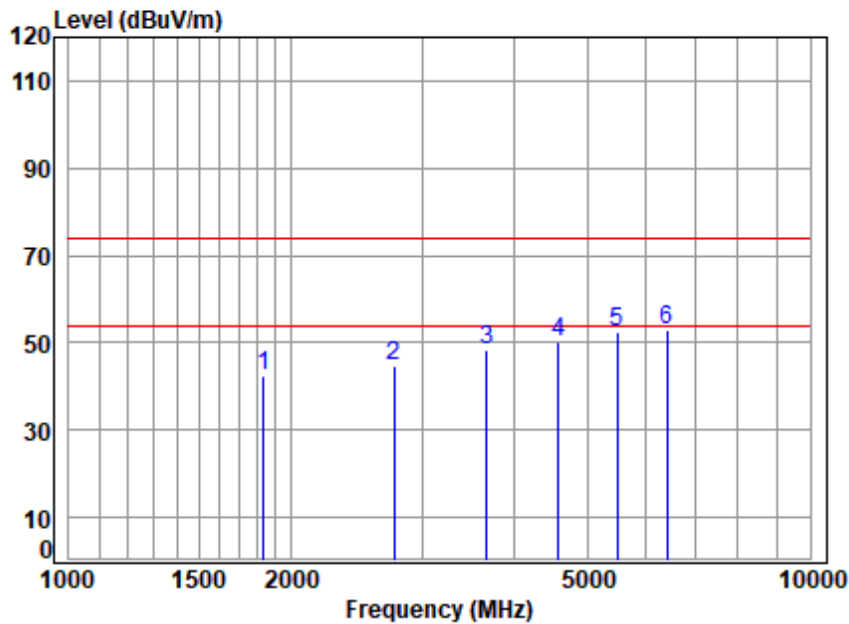
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 57 of 63

Model: VENT-12x12



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02309AT\02310AT
Mode : RSE TX
: 12X12

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1830.000	4.49	27.18	36.12	46.85	42.40	74.00	-31.60	Peak
2	2745.000	5.38	29.50	35.52	45.48	44.84	74.00	-29.16	Peak
3	3660.000	6.41	32.14	34.68	44.41	48.28	74.00	-25.72	Peak
4	4575.000	7.17	33.45	34.72	44.31	50.21	74.00	-23.79	Peak
5	5490.000	7.81	34.60	35.01	45.11	52.51	74.00	-21.49	Peak
6 q	6405.000	8.49	35.31	35.41	44.73	53.12	74.00	-20.88	Peak



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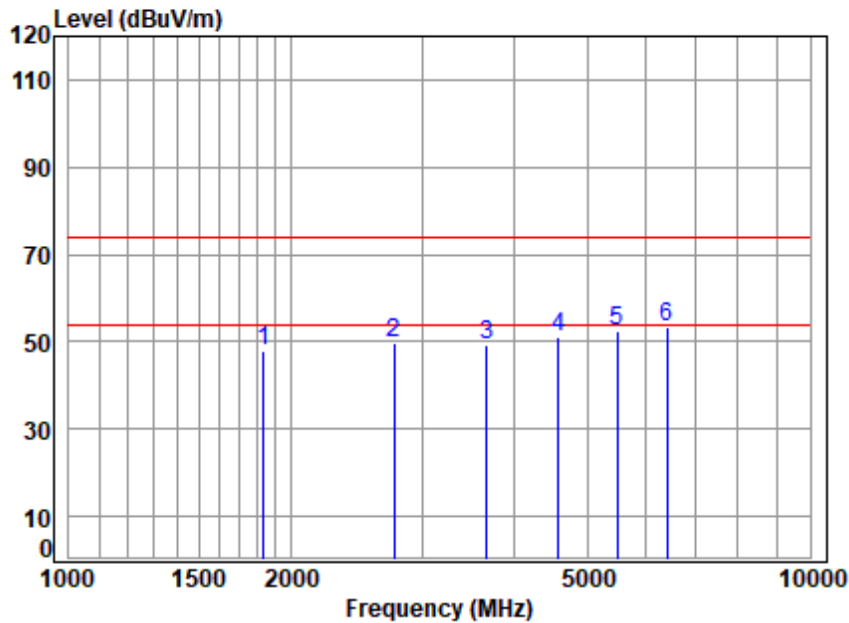
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 58 of 63



Site : chamber
Condition: 3m VERTICAL
Job No : 02309AT\02310AT
Mode : RSE TX
: 12X12

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1830.000	4.49	27.18	36.12	52.41	47.96	74.00	-26.04 Peak
2	2745.000	5.38	29.50	35.52	50.19	49.55	74.00	-24.45 Peak
3	3660.000	6.41	32.14	34.68	45.41	49.28	74.00	-24.72 Peak
4	4575.000	7.17	33.45	34.72	45.20	51.10	74.00	-22.90 Peak
5	5490.000	7.81	34.60	35.01	45.18	52.58	74.00	-21.42 Peak
6 q	6405.000	8.49	35.31	35.41	45.21	53.60	74.00	-20.40 Peak



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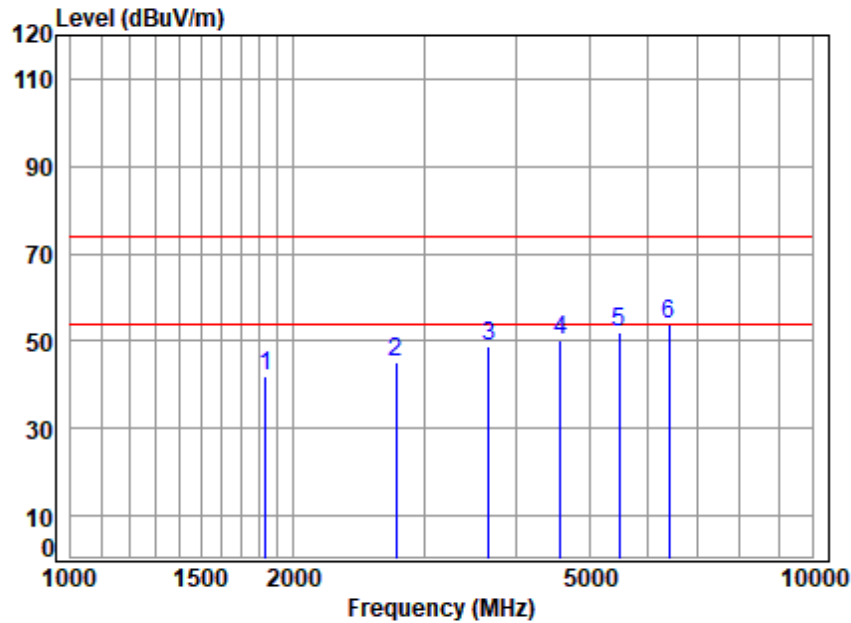
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 59 of 63

Model: VENT-10x10



Site : chamber
Condition: 3m HORIZONTAL
Job No : 02309AT\02310AT
Mode : RSE TX
: 10X10

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1830.000	4.49	27.18	36.12	46.26	41.81	74.00	-32.19	Peak
2	2745.000	5.38	29.50	35.52	45.69	45.05	74.00	-28.95	Peak
3	3660.000	6.41	32.14	34.68	44.87	48.74	74.00	-25.26	Peak
4	4575.000	7.17	33.45	34.72	44.29	50.19	74.00	-23.81	Peak
5	5490.000	7.81	34.60	35.01	44.48	51.88	74.00	-22.12	Peak
6 q	6405.000	8.49	35.31	35.41	45.41	53.80	74.00	-20.20	Peak



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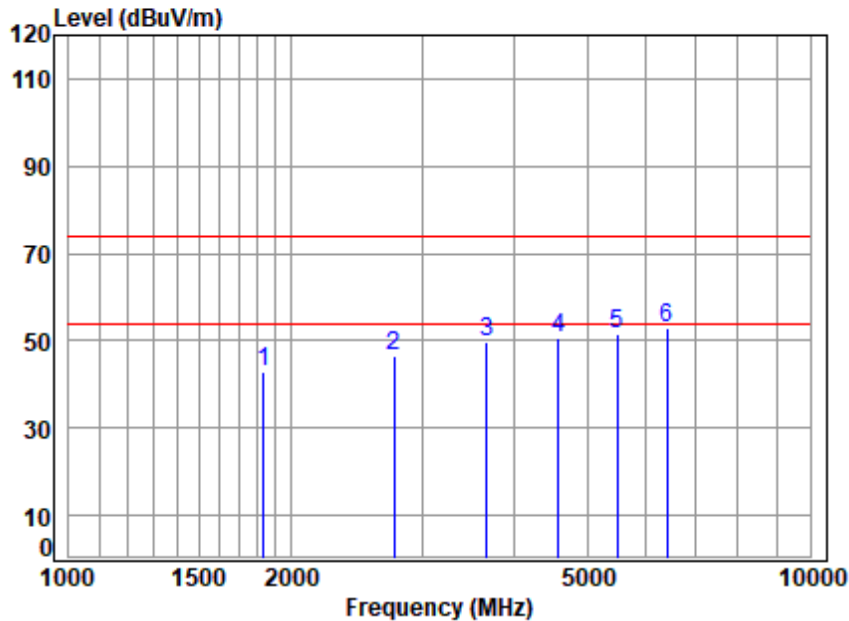
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 60 of 63



Site : chamber
Condition: 3m VERTICAL
Job No : 02309AT\02310AT
Mode : RSE TX
: 10X10

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1830.000	4.49	27.18	36.12	47.32	42.87	74.00	-31.13	Peak
2	2745.000	5.38	29.50	35.52	47.22	46.58	74.00	-27.42	Peak
3	3660.000	6.41	32.14	34.68	45.99	49.86	74.00	-24.14	Peak
4	4575.000	7.17	33.45	34.72	44.87	50.77	74.00	-23.23	Peak
5	5490.000	7.81	34.60	35.01	44.29	51.69	74.00	-22.31	Peak
6 q	6405.000	8.49	35.31	35.41	44.76	53.15	74.00	-20.85	Peak



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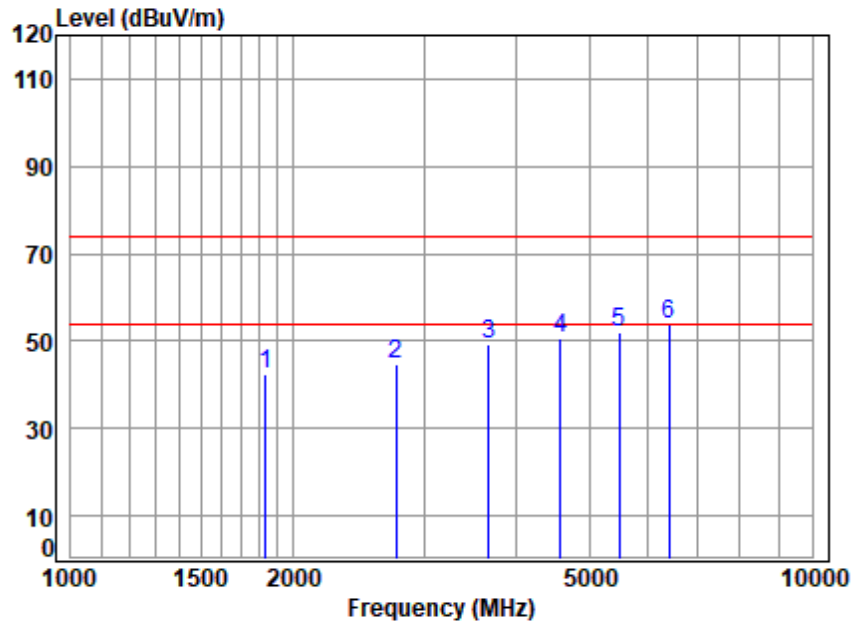
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 61 of 63

Model: VENT-8x8



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 02309AT\02310AT
 Mode : RSE TX
 : 8X8

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1830.000	4.49	27.18	36.12	46.68	42.23	74.00	-31.77	Peak
2	2745.000	5.38	29.50	35.52	45.47	44.83	74.00	-29.17	Peak
3	3660.000	6.41	32.14	34.68	45.31	49.18	74.00	-24.82	Peak
4	4575.000	7.17	33.45	34.72	44.55	50.45	74.00	-23.55	Peak
5	5490.000	7.81	34.60	35.01	44.81	52.21	74.00	-21.79	Peak
6 q	6405.000	8.49	35.31	35.41	45.23	53.62	74.00	-20.38	Peak



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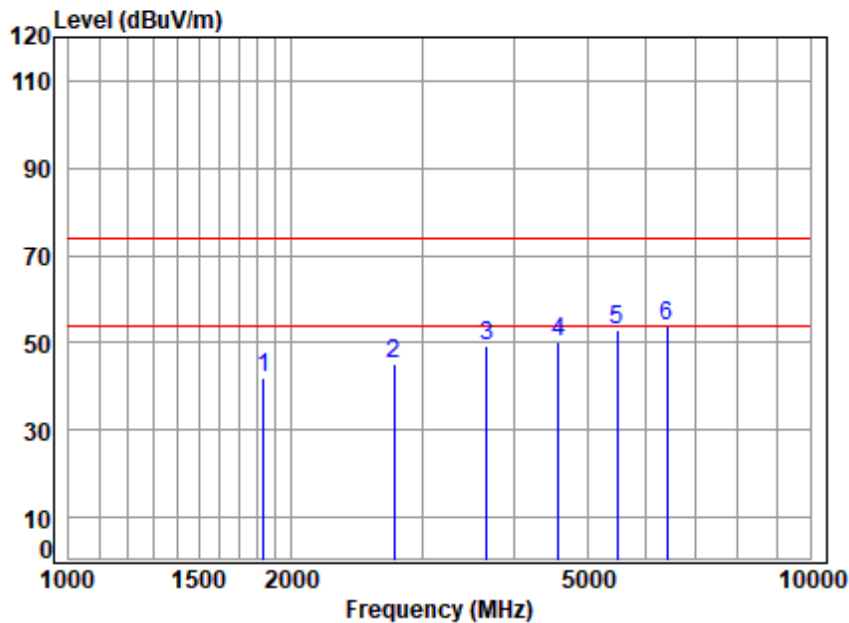
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230700230901

Page: 62 of 63



Site : chamber
Condition: 3m VERTICAL
Job No : 02309AT\02310AT
Mode : RSE TX
: 8X8

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1830.000	4.49	27.18	36.12	46.22	41.77	74.00	-32.23	Peak
2	2745.000	5.38	29.50	35.52	46.04	45.40	74.00	-28.60	Peak
3	3660.000	6.41	32.14	34.68	45.35	49.22	74.00	-24.78	Peak
4	4575.000	7.17	33.45	34.72	44.51	50.41	74.00	-23.59	Peak
5	5490.000	7.81	34.60	35.01	45.36	52.76	74.00	-21.24	Peak
6 q	6405.000	8.49	35.31	35.41	45.44	53.83	74.00	-20.17	Peak



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8 Test Setup Photo

Refer to Setup Photo for SZCR2307002309AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2307002309AT

- End of the Report -

