

TEST REPORT

Application No.: SZCR2507003219AT
Applicant: LED Roadway Lighting Ltd.
Address of Applicant: 84 Chain Lake Drive, Suite 403, Halifax, Nova Scotia, B3S 1A2 Canada
Manufacturer: LED ROADWAY LIGHTING LTD.
Address of Manufacturer: 21 Tantrammar Crescent, Amherst, Nova Scotia, Canada, B4H 4S8
Factory: LED ROADWAY LIGHTING LTD.
Address of Factory: 21 Tantrammar Crescent, Amherst, Nova Scotia, Canada, B4H 4S8
Equipment Under Test (EUT):
EUT Name: Radar sensor
Model No.: B870-RD
Trade Mark: SLX-RADAR
FCC ID: 2ACR3-B870RD
Standard(s) : 47 CFR Part 15, Subpart C 15.249
Date of Receipt: 2025-07-22
Date of Test: 2025-07-27 to 2025-08-28
Date of Issue: 2025-09-01

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

Keny Xu

Keny Xu
EMC Laboratory Manager



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Shenzhen Branch (EMC) EMC Laboratory

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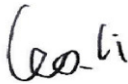
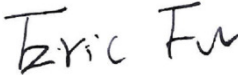
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 2 of 62

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-09-01		Original

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



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2 Test Summary

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

Radio Spectrum Matter Part			
Item	FCC Requirement	Method	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2020) Section 6.2	Pass
20dB bandwidth	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.9	Pass
Filed strength of fundamental	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.6	Pass
Radiation Spurious Emission	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.6	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2013) Section 6.10	Pass



3 Contents

	Page
1 Cover Page	1
2 Test Summary.....	3
3 Contents	4
4 General Information.....	6
4.1 Details of E.U.T.....	6
4.2 Operation Frequency.....	6
4.3 Description of Support Units.....	6
4.4 Measurement Uncertainty	6
4.5 Test Location	7
4.6 Test Facility.....	7
4.7 Deviation from Standards.....	7
4.8 Abnormalities from Standard Conditions.....	7
5 Equipment List	8
6 Radio Spectrum Technical Requirement.....	10
6.1 Antenna Requirement	10
6.1.1 Test Requirement:	10
6.1.2 Conclusion	10
7 Radio Spectrum Matter Test Results.....	11
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 20dB Bandwidth	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.....	15
7.3 Filed Strength of Fundamental and Radiation Spurious Emission	19
7.3.1 E.U.T. Operation	20
7.3.2 Test Mode Description	20
7.3.3 Test Setup Diagram	21
7.3.4 Measurement Procedure and Data.....	22
7.4 Radiated Emissions which fall in the restricted bands	54
7.4.1 E.U.T. Operation	54
7.4.2 Test Mode Description	54
7.4.3 Test Setup Diagram	55
7.4.4 Measurement Procedure and Data.....	55
8 Test Setup Photo	62





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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 5 of 62

9 EUT Constructional Details (EUT Photos).....62



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4 General Information

4.1 Details of E.U.T.

Power supply:	AC 120V/60Hz
Operation Frequency:	24.075-24.175GHz
Modulation:	GFSK
Antenna Type:	PCB Antenna
Antenna Gain:	12.2dBi

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 Operation Frequency

Channel	Frequency	Channel	Frequency	Channel	Frequency
Low	24.12GHz	Middle	24.13GHz	High	24.14GHz

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Powerbase	LRL	FP-FCB0010-01-LF	CV234100958

4.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
20dB Bandwidth	$\pm 3\%$
Conducted Emissions at AC Power Line (150kHz-30MHz)	$\pm 3.1\text{dB}$
Filed Strength of Fundamental	$\pm 6.0\text{dB}$ (Below 1GHz); $\pm 4.6\text{dB}$ (Above 1GHz)
Radiated Emissions which fall in the restricted bands	$\pm 6.0\text{dB}$ (Below 1GHz); $\pm 4.6\text{dB}$ (Above 1GHz)
Radiated Spurious Emissions Below 1GHz	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m
Radiated Spurious Emissions Above 1GHz	$\pm 4.6\text{dB}$ (1-18GHz); $\pm 4.8\text{dB}$ (Above 18GHz)

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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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 7 of 62

4.5 Test Location

All tests were performed at:

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No tests were sub-contracted.

4.6 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.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 8 of 62

5 Equipment List

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
				2025-08-13	2026-08-12
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2025-03-04	2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2025-07-05	2026-07-04
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2024-05-11	2027-05-10
EXA Signal Analyzer(10Hz-44GHz)	Keysight	N9010A	SEM004-20	2025-03-29	2026-03-28
Horn Antenna(800MHz-18GHz)	Rohde&Schwarz	HF907	SEM003-07	2025-07-23	2027-07-21
Microwave system amplifier (0.5GHz-26.5GHz)	Agilent	83017A	SEM005-25	2024-09-14	2025-09-13
Broad-Band Horn Antenna(15GHz-40GHz)	SCHWARZBECK	BBHA 9170	SEM003-15	2024-08-10	2025-08-09
				2025-08-09	2026-08-08
Programmable Temperature Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25
Pre-amplifier (26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2025-03-21	2026-03-20
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04
Waveguide(40-60GHz)	REBES	SWG-19025-FB	06303-01	2025-02-18	2028-02-17
Waveguide(50-75GHz)	REBES	SWG-15025-FB	01525-09	2025-02-18	2028-02-17
Waveguide(75-110GHz)	REBES	SWG-10025-FB	01509-01	2025-02-18	2028-02-17
Waveguide Harmonic Mixer(40-60GHz)	REBES	STH-19SF-S1	06937-01	2025-02-18	2028-02-17
Waveguide Harmonic	KEYSIGHT	M1970V	MY51390966	2025-02-18	2028-02-17



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 9 of 62

Mixer(50-75GHz)					
Waveguide Harmonic Mixer(75-110GHz)	KEYSIGHT	M1970W	MY51430883	2025-02-18	2028-02-17
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2025-05-07	2028-05-06
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-08	2026-01-07
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2025-07-05	2026-07-04
LISN	Rohde&Schwarz	ENV216	SEM007-01	2025-07-25	2026-07-24
LISN	ETS-LINDGREN	3816/2	SEM007-02	2025-03-03	2026-03-02

General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02



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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 integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 12.2dBi.

Antenna location: Refer to internal photos



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 (2020) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	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

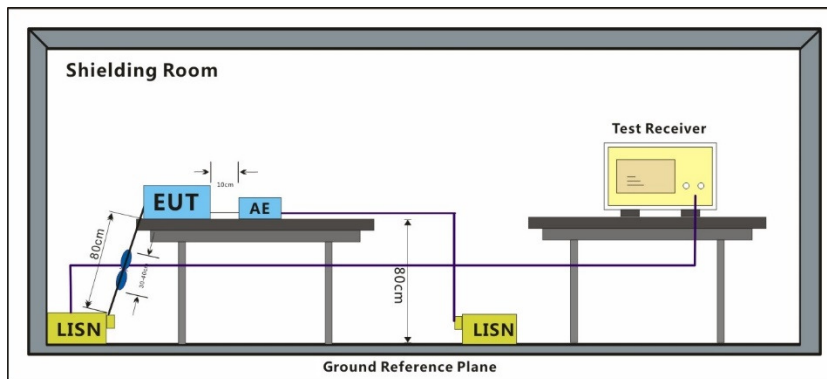
Operating Environment:

Temperature: 25.3 °C Humidity: 40.5 % 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



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



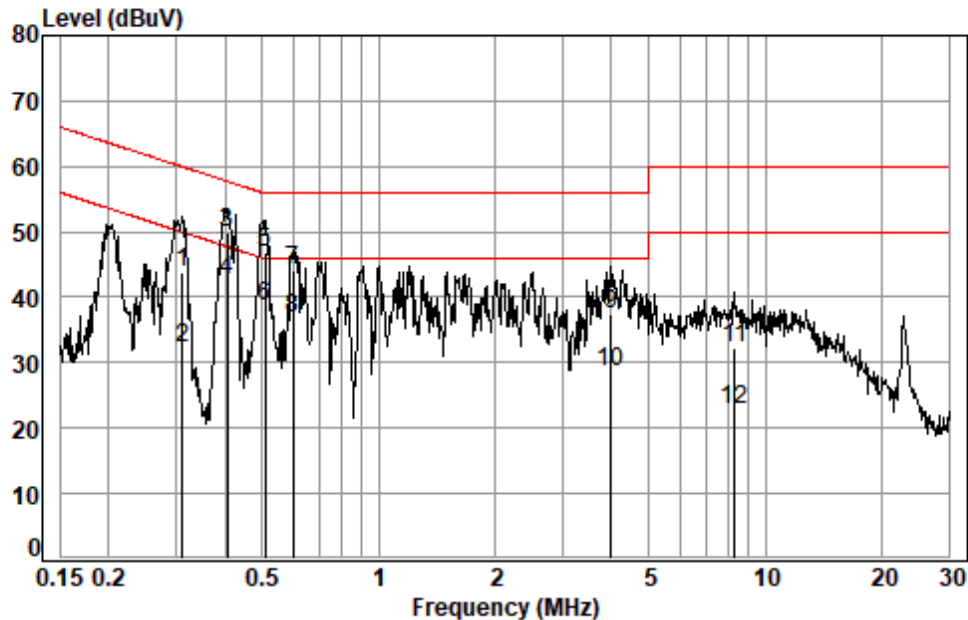
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 13 of 62

Test Mode: 00; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 03219AT
Test mode: 00

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.3116	0.08	9.83	33.98	43.89	59.93	-16.04	QP
2	0.3116	0.08	9.83	22.46	32.37	49.93	-17.56	Average
3 *	0.4061	0.09	9.67	40.21	49.97	57.73	-7.76	QP
4 *	0.4061	0.09	9.67	32.69	42.45	47.73	-5.28	Average
5	0.5101	0.09	9.55	37.35	46.99	56.00	-9.01	QP
6	0.5101	0.09	9.55	29.04	38.68	46.00	-7.32	Average
7	0.6011	0.10	9.60	34.42	44.12	56.00	-11.88	QP
8	0.6011	0.10	9.60	27.14	36.84	46.00	-9.16	Average
9	3.9850	0.14	9.66	27.68	37.48	56.00	-18.52	QP
10	3.9850	0.14	9.66	18.80	28.60	46.00	-17.40	Average
11	8.3228	0.15	9.68	22.47	32.30	60.00	-27.70	QP
12	8.3228	0.15	9.68	13.04	22.87	50.00	-27.13	Average



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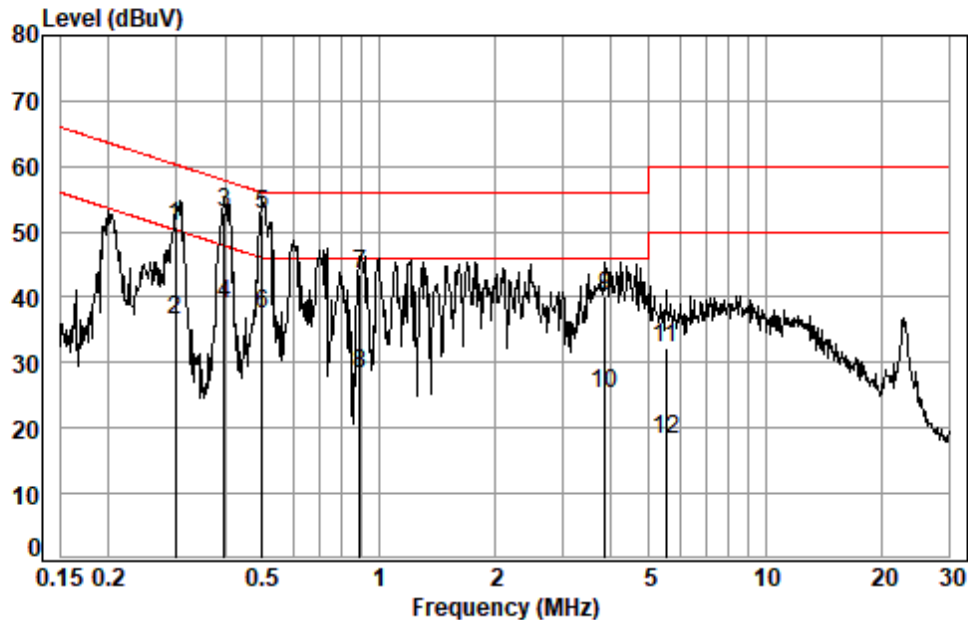
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 14 of 62

Test Mode: 00; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 03219AT
Test mode: 00

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.2987	0.08	9.77	41.09	50.94	60.28	-9.34	QP
2	0.2987	0.08	9.77	26.51	36.36	50.28	-13.92	Average
3	0.3997	0.09	9.74	43.22	53.05	57.86	-4.81	QP
4	0.3997	0.09	9.74	29.02	38.85	47.86	-9.01	Average
5 *	0.4994	0.09	9.71	42.91	52.71	56.01	-3.30	QP
6 *	0.4994	0.09	9.71	27.73	37.53	46.01	-8.48	Average
7	0.8944	0.11	9.57	33.88	43.56	56.00	-12.44	QP
8	0.8944	0.11	9.57	18.51	28.19	46.00	-17.81	Average
9	3.8603	0.14	9.55	30.47	40.16	56.00	-15.84	QP
10	3.8603	0.14	9.55	15.56	25.25	46.00	-20.75	Average
11	5.5347	0.14	9.59	22.60	32.33	60.00	-27.67	QP
12	5.5347	0.14	9.59	8.50	18.23	50.00	-31.77	Average



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7.2 20dB Bandwidth

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

Limit: 24.00-24.25GHz

7.2.1 E.U.T. Operation

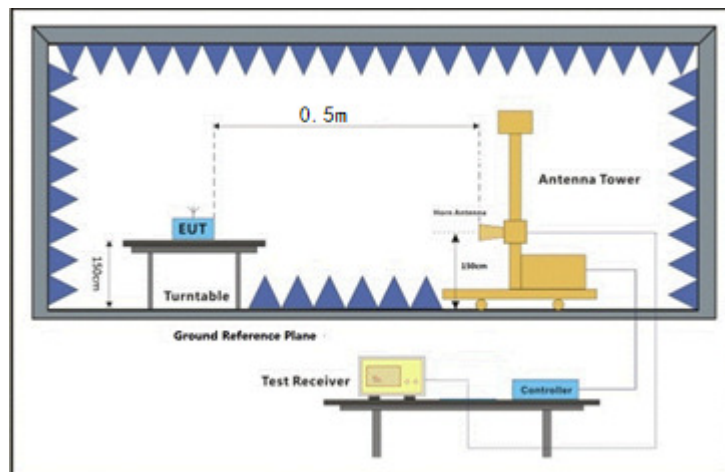
Operating Environment:

Temperature: 23.1 °C Humidity: 48.7 % 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 continuously transmitting mode

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

- 1) Place the EUT on the table and set it in the transmitting mode
- 2) SA set RBW=1%~5% OBW, VBW=3RBW and Detector=Peak
- 3) Measure and record the result of 20dB bandwidth



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 16 of 62

Test Data:

Test channel: Low



Test channel: Middle



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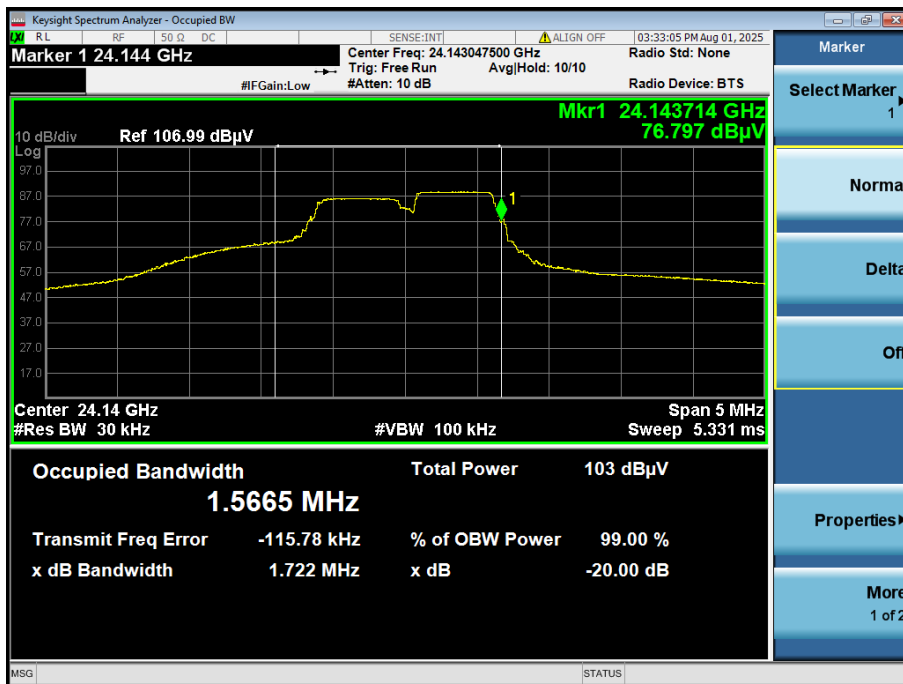
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Test channel: High





Low Frequency (GHz)	Limit (GHz)	High Frequency (GHz)	Limit (GHz)	20dB Bandwidth (MHz)	Result
24.118537	≥24.00	24.143714	≤24.25	1.752	Pass



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7.3 Filed Strength of Fundamental and Radiation Spurious Emission

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

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

Limit:

- (1) The field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

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

* Field strength limits are specified at a distance of 3 meters.

Fundamental Limit Conversion			
Average (mV/m) at 3M	Average (dBuV/m) at 3M	Average (dBuV/m) at 0.5M	Peak (dBuV/m) at 0.5M
250	107.9588	123.52	143.52

*(Limit = 107.9588 + 20LOG(3/0.5) = 123.52 dBuV/m)

Harmonic Limit Conversion			
Average (uV/m) at 3M	Average (dBuV/m) at 3M	Average (dBuV/m) at 0.5M	Peak (dBuV/m) at 0.5M
2500	67.9588	83.52	103.52

*(Limit=67.9588+20LOG(3/0.5)=83.52 dBuV/m)

- (2) Emissions 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 (follow the table), whichever is the lesser attenuation.

Below 30MHz

Frequency	Field Strength (μA/m)	Magnetic field strength (H-Field) (μA/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 20 of 62

Above 30MHz

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (40dBuV/m)	100 (40dBuV/m)
88-216	150 (43.5dBuV/m)	150 (43.5dBuV/m)
216-960	200 (46dBuV/m)	200 (46dBuV/m)
Above 960	500 (54dBuV/m)	500 (54dBuV/m)

Frequency	Field Strength microvolts/m at specific distance	
	Peak	AVG
18-40GHz	83.54dBuV/m@1m	63.54dBuV/m@1m
Above 40GHz	103.52dBuV/m@0.5m	83.52dBuV/m@0.5m

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C Humidity: 47.3 % 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 continuously transmitting mode



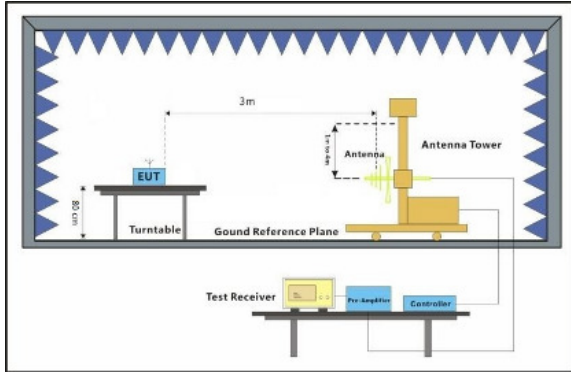
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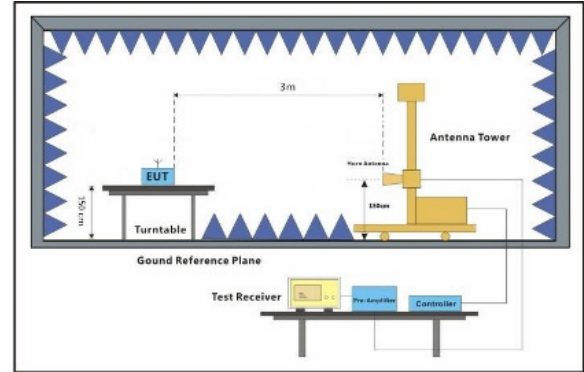
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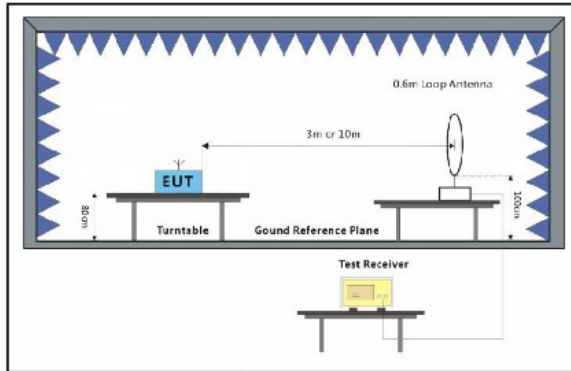
7.3.3 Test Setup Diagram



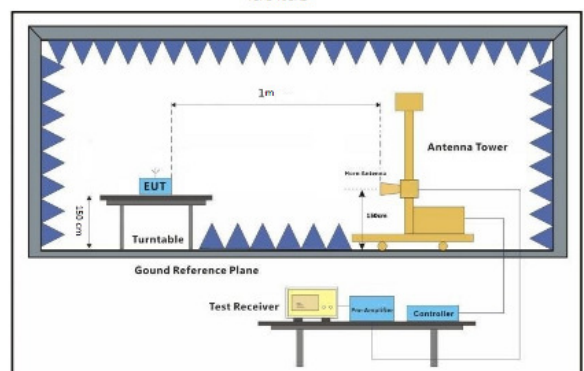
30MHz-1GHz



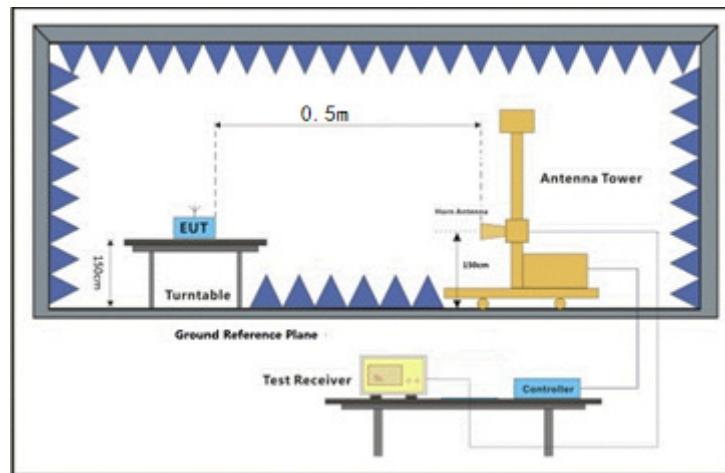
1GHz-18GHz



Below 30MHz



18GHz-40GHz



Above 40GHz

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 1-18GHz, 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. For 18-40GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 1 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 40GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 0.5 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation
- 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.
- 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.

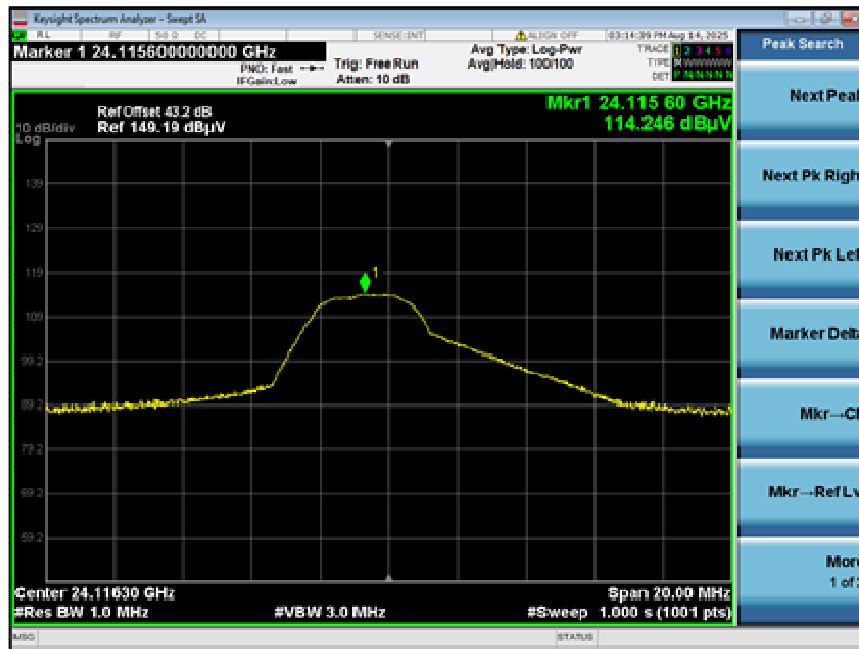
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: 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.

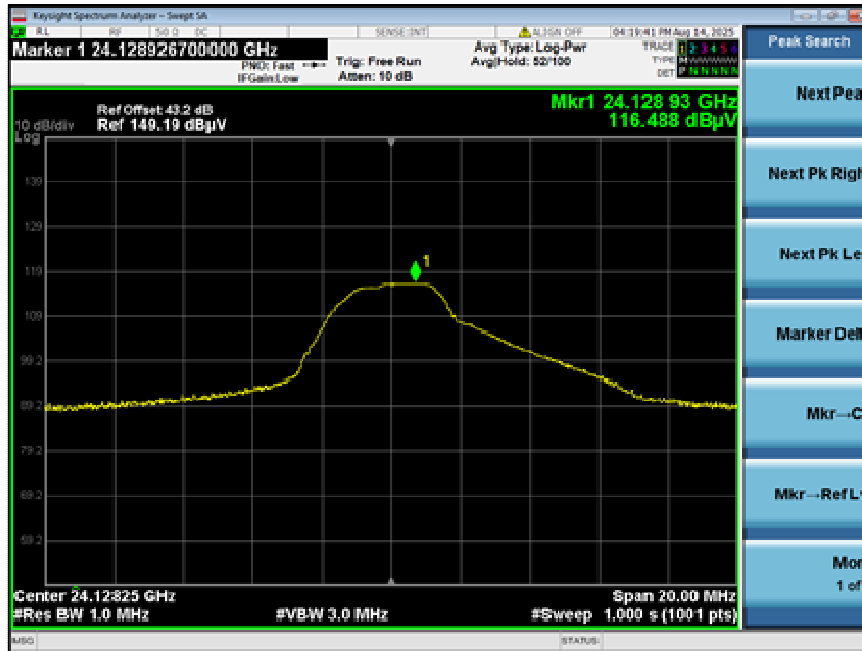


Test Data for Filed Strength of Fundamental

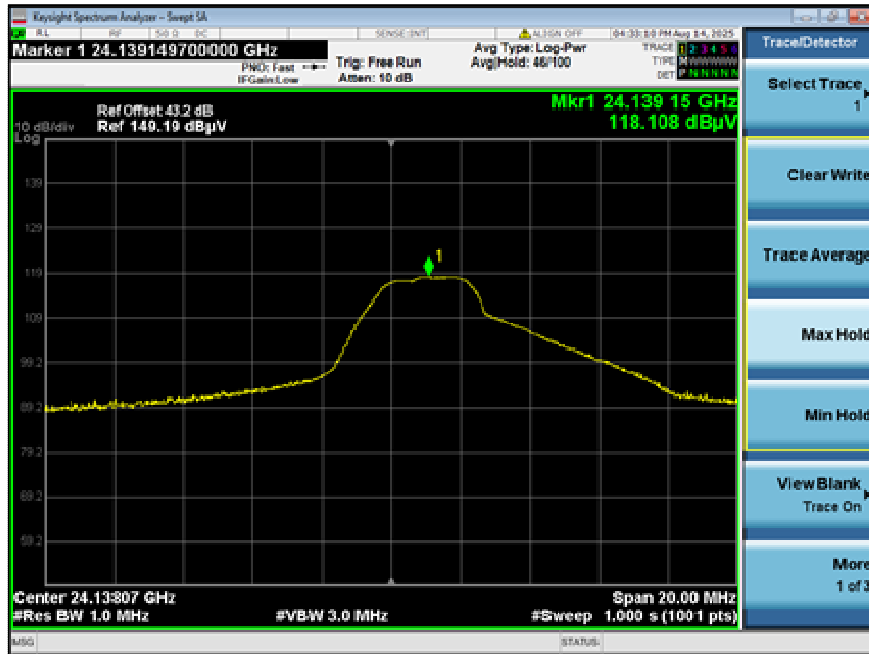
Low_Peak



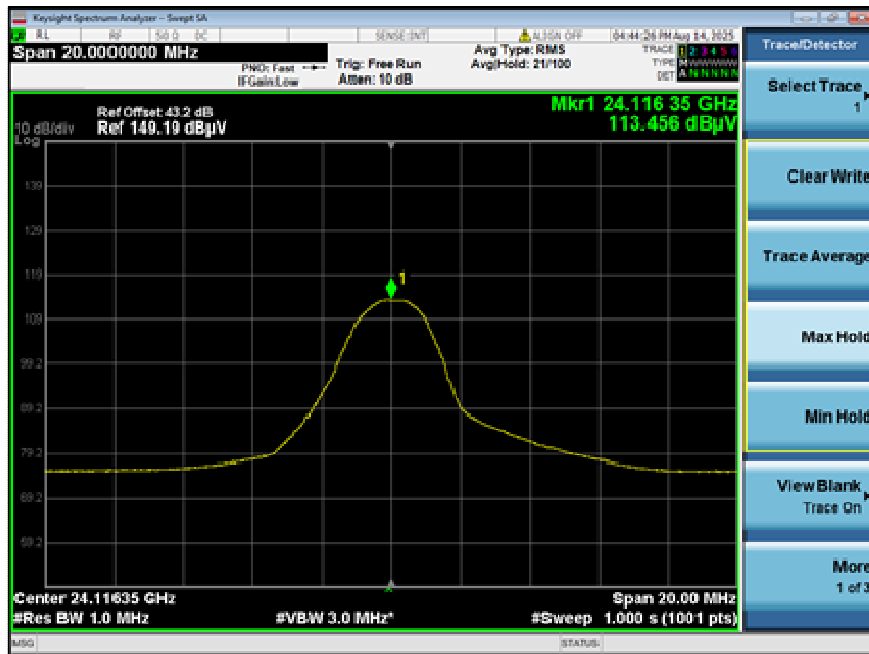
Middle_Peak



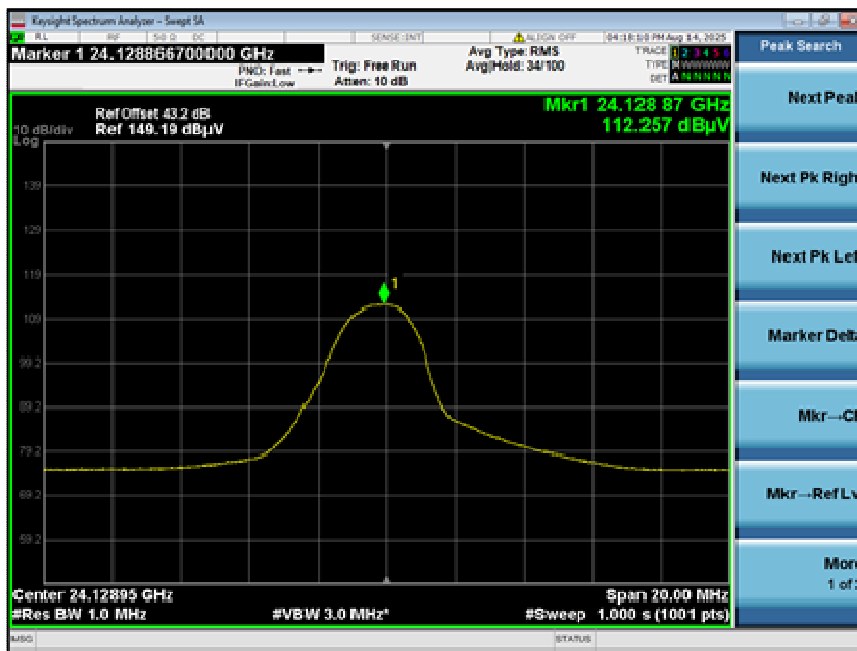
Highest_Peak



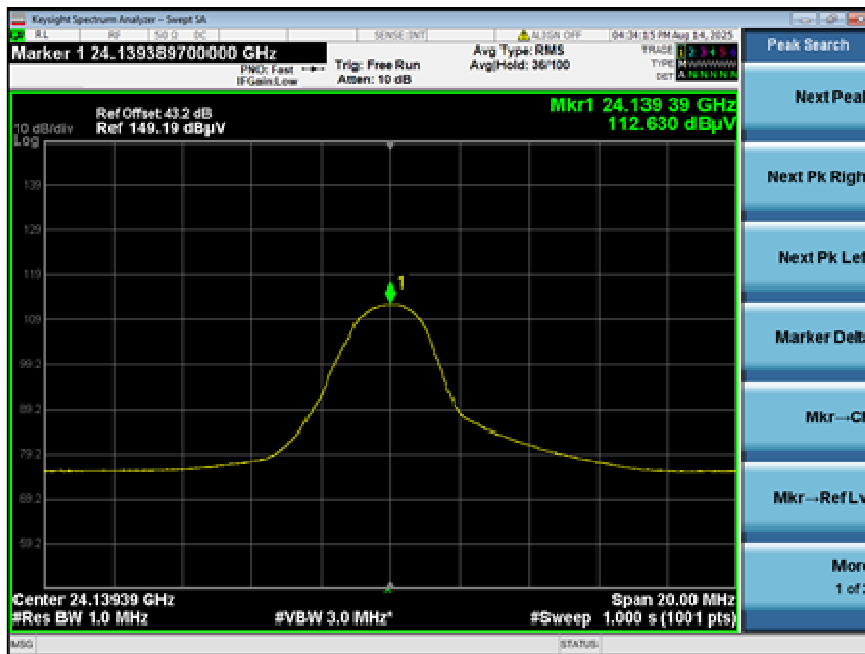
Low_Average



Middle_ Average



Highest_ Average



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 26 of 62

Test channel	Distance (m)	Measured Filed strength dBuV/m	Limit	Result	Remark
Low	0.5	114.246	143.52	Pass	Peak
Low	0.5	113.456	123.52	Pass	AVG
Middle	0.5	116.488	143.52	Pass	Peak
Middle	0.5	112.257	123.52	Pass	AVG
High	0.5	118.108	143.52	Pass	Peak
High	0.5	112.630	123.52	Pass	AVG



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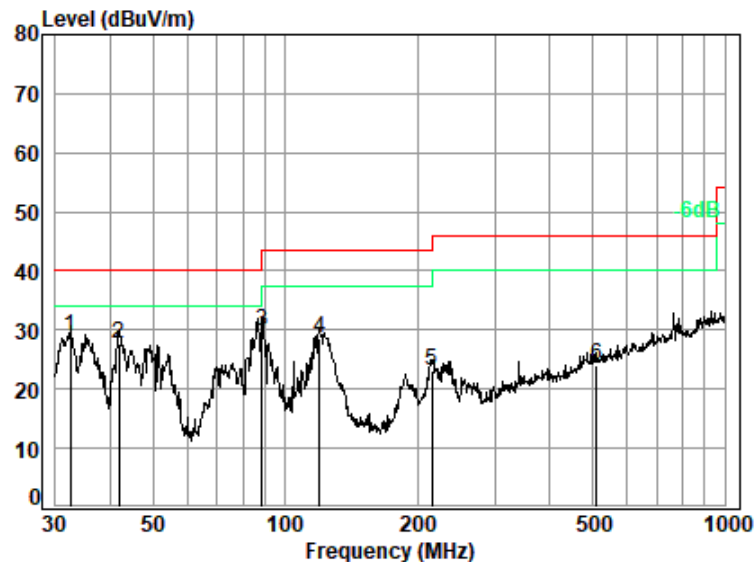
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Radiated Spurious Emission

30MHz-1000MHz; Test Mode: 00; Polarity: Horizontal

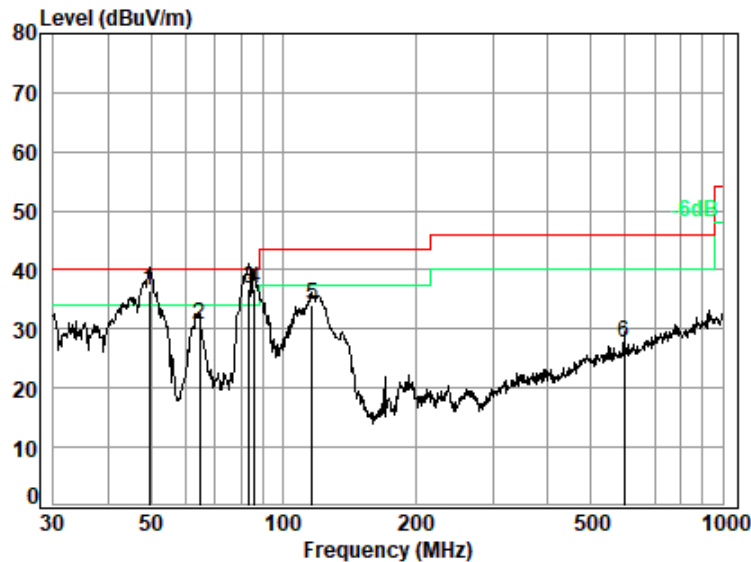


Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03219AT
Test Mode: 00 L

		Ant	Cable	Preamp	Read	Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 q	32.406	20.10	0.70	27.79	35.81	28.82	40.00	-11.18 QP
2	41.860	15.48	0.80	27.76	39.19	27.71	40.00	-12.29 QP
3	88.652	11.55	1.15	27.62	44.81	29.89	43.50	-13.61 QP
4	119.436	11.13	1.36	27.51	43.58	28.56	43.50	-14.94 QP
5	215.268	14.82	1.84	27.11	33.48	23.03	43.50	-20.47 QP
6	511.835	23.21	2.96	27.61	25.60	24.16	46.00	-21.84 QP



30MHz-1000MHz; Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 03219AT
Test Mode: 00 L

	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	49.533	12.89	0.86	27.74	50.46	36.47	40.00	-3.53 QP
2	64.433	11.07	0.98	27.69	46.23	30.59	40.00	-9.41 QP
3 q	83.522	10.81	1.12	27.64	52.59	36.88	40.00	-3.12 QP
4	85.898	11.15	1.13	27.63	52.02	36.67	40.00	-3.33 QP
5	116.132	11.32	1.34	27.52	48.97	34.11	43.50	-9.39 QP
6	597.223	24.46	3.23	27.96	27.87	27.60	46.00	-18.40 QP



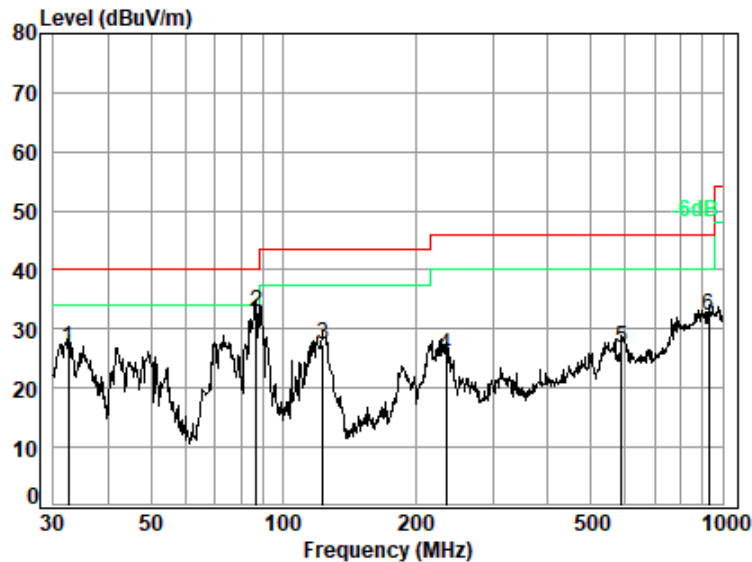
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 29 of 62

30MHz-1000MHz; Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03219AT
Test Mode: 00 M

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Limit Level	Over Line	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	32.406	20.10	0.70	27.79	33.81	26.82	40.00 -13.18 QP
2 q	86.807	11.29	1.14	27.63	48.05	32.85	40.00 -7.15 QP
3	122.834	11.00	1.38	27.49	42.50	27.39	43.50 -16.11 QP
4	234.168	17.02	1.93	27.03	33.70	25.62	46.00 -20.38 QP
5	588.905	24.38	3.21	27.92	27.20	26.87	46.00 -19.13 QP
6	929.008	28.16	4.20	26.56	26.34	32.14	46.00 -13.86 QP



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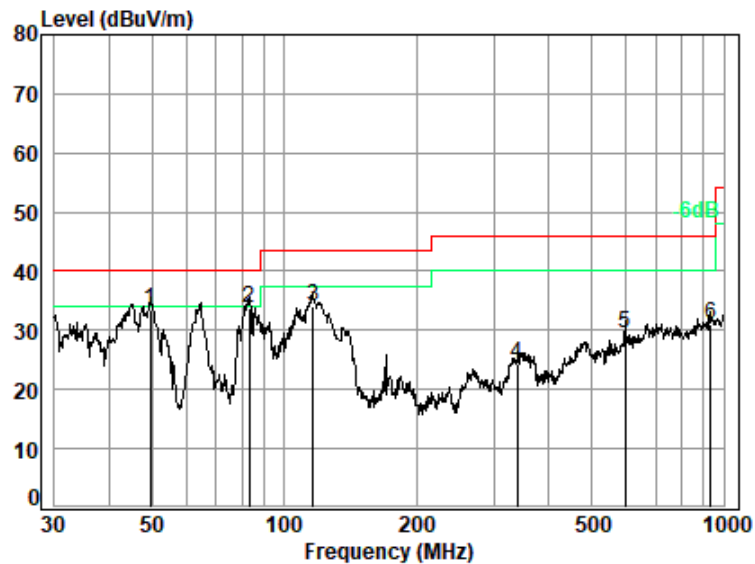
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 30 of 62

30MHz-1000MHz; Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 03219AT
Test Mode: 00 M

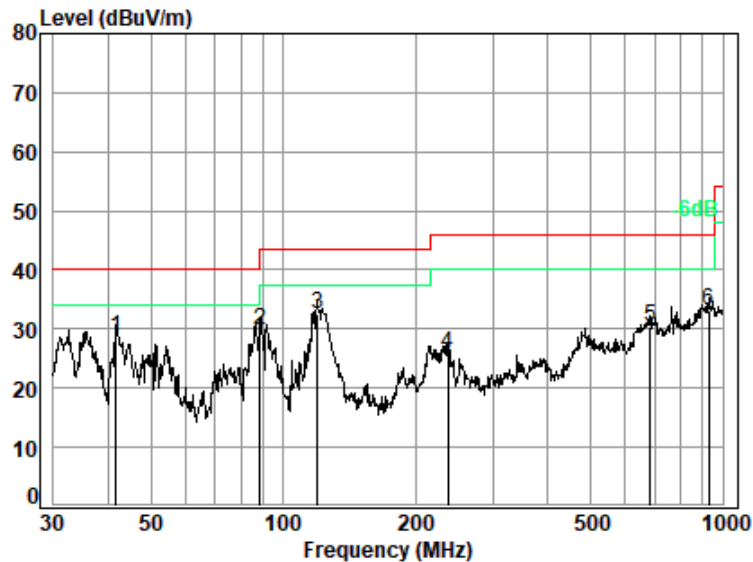
	Ant Freq	Cable Factor	Preamp Loss	Read Level	Limit Level	Over Line	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	49.533	12.89	0.86	27.74	47.46	33.47	40.00 -6.53 QP
2 q	83.230	10.77	1.11	27.64	49.43	33.67	40.00 -6.33 QP
3	116.132	11.32	1.34	27.52	48.97	34.11	43.50 -9.39 QP
4	339.589	19.02	2.36	26.91	29.92	24.39	46.00 -21.61 QP
5	597.223	24.46	3.23	27.96	29.87	29.60	46.00 -16.40 QP
6	935.546	28.15	4.22	26.51	25.20	31.06	46.00 -14.94 QP



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30MHz-1000MHz; Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03219AT
Test Mode: 00 H

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Limit Level	Over Line	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	41.713	15.55	0.80	27.76	40.09	28.68	40.00 -11.32 QP
2	88.652	11.55	1.15	27.62	44.81	29.89	43.50 -13.61 QP
3 q	119.436	11.13	1.36	27.51	47.58	32.56	43.50 -10.94 QP
4	236.645	17.13	1.94	27.02	33.69	25.74	46.00 -20.26 QP
5	684.745	25.76	3.50	27.76	28.86	30.36	46.00 -15.64 QP
6	929.008	28.16	4.20	26.56	27.34	33.14	46.00 -12.86 QP



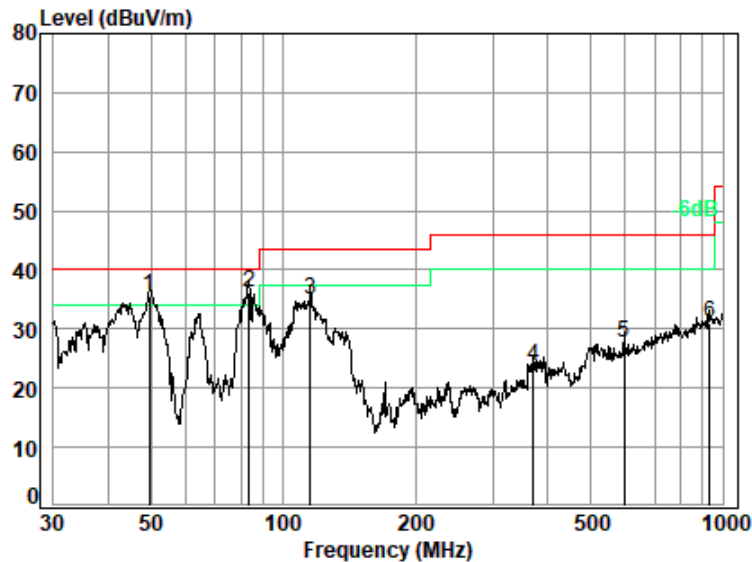
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Report No.: SZCR250700321901

Page: 32 of 62

30MHz-1000MHz; Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 03219AT
Test Mode: 00 H

		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	49.533	12.89	0.86	27.74	49.46	35.47	40.00	-4.53	QP
2	83.522	10.81	1.12	27.64	51.77	36.06	40.00	-3.94	QP
3	115.321	11.39	1.33	27.53	49.85	35.04	43.50	-8.46	QP
4	370.702	20.46	2.48	27.04	27.70	23.60	46.00	-22.40	QP
5	597.223	24.46	3.23	27.96	27.87	27.60	46.00	-18.40	QP
6	935.546	28.15	4.22	26.51	25.20	31.06	46.00	-14.94	QP



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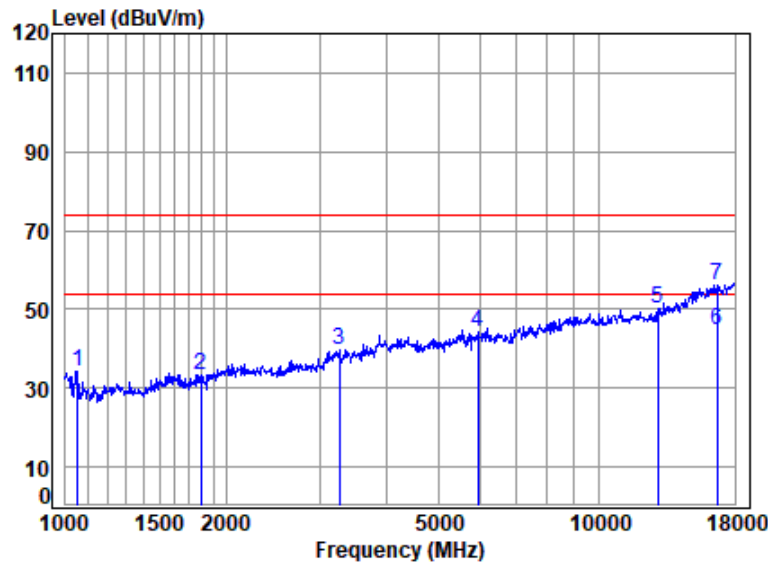
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Report No.: SZCR250700321901

Page: 33 of 62

1GHz-18GHz; Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03219AT
Mode : RSE TX
: CH L

	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 1053.404	4.55	24.63	54.62	59.83	34.39	74.00	-39.61	Peak
2 1798.127	5.18	26.99	54.85	56.01	33.33	74.00	-40.67	Peak
3 3261.418	6.80	31.89	54.80	55.81	39.70	74.00	-34.30	Peak
4 5932.638	9.49	34.67	53.17	53.42	44.41	74.00	-29.59	Peak
5 12909.700	13.36	38.19	53.20	51.93	50.28	74.00	-23.72	Peak
6 q16696.880	15.83	42.69	52.57	38.62	44.57	54.00	-9.43	Average
7 p16696.880	15.83	42.69	52.57	50.21	56.16	74.00	-17.84	Peak

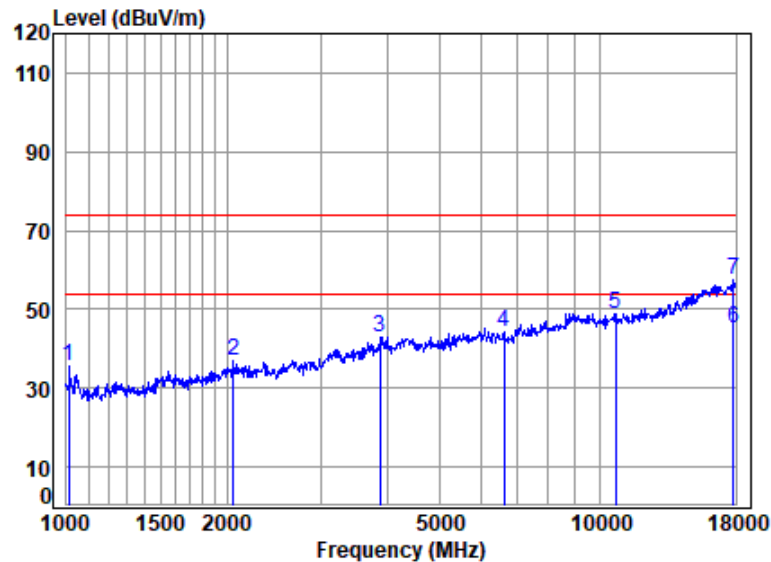


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1GHz-18GHz; Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 03219AT
Mode : RSE TX
: CH L

	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	1011.629	4.55	25.93	54.61	59.94	35.81	74.00	-38.19	Peak
2	2053.822	5.65	28.98	54.91	57.39	37.11	74.00	-36.89	Peak
3	3867.831	8.14	33.35	54.38	55.78	42.89	74.00	-31.11	Peak
4	6621.375	9.24	35.26	53.16	53.14	44.48	74.00	-29.52	Peak
5	10729.480	12.13	37.13	53.05	52.48	48.69	74.00	-25.31	Peak
6	q17793.090	16.37	43.89	52.50	37.21	44.97	54.00	-9.03	Average
7	p17793.090	16.37	43.89	52.50	49.67	57.43	74.00	-16.57	Peak



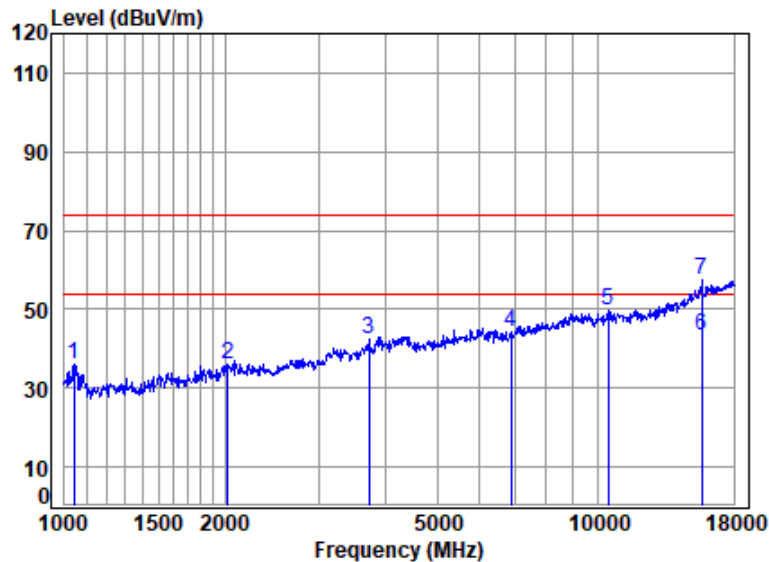
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Report No.: SZCR250700321901

Page: 35 of 62

1GHz-18GHz; Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03219AT
Mode : RSE TX
: CH M

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1041.295	4.55	24.98	54.62	60.99	35.90	74.00	-38.10 Peak
2 2024.354	5.59	28.90	54.90	56.59	36.18	74.00	-37.82 Peak
3 3725.195	7.67	32.95	54.47	56.31	42.46	74.00	-31.54 Peak
4 6874.906	9.44	35.55	53.19	52.33	44.13	74.00	-29.87 Peak
5 10453.970	12.00	37.21	53.11	53.84	49.94	74.00	-24.06 Peak
6 q15668.210	15.02	41.17	52.06	39.22	43.35	54.00	-10.65 Average
7 p15668.210	15.02	41.17	52.06	53.40	57.53	74.00	-16.47 Peak

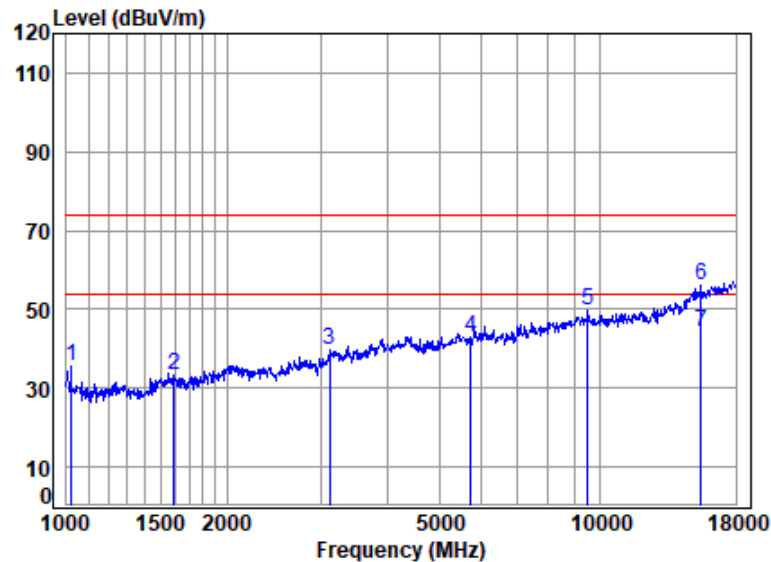


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1GHz-18GHz; Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 03219AT
Mode : RSE TX
: CH M

	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	1020.439	4.55	25.65	54.61	60.00	35.59	74.00	-38.41	Peak
2	1592.571	4.77	26.83	54.80	56.37	33.17	74.00	-40.83	Peak
3	3114.025	6.75	31.85	54.91	56.12	39.81	74.00	-34.19	Peak
4	5730.396	9.40	34.24	53.38	52.52	42.78	74.00	-31.22	Peak
5	9502.925	11.47	37.50	53.39	54.34	49.92	74.00	-24.08	Peak
6	p15488.110	14.89	41.09	52.20	52.26	56.04	74.00	-17.96	Peak
7	q15488.110	14.89	41.09	52.20	40.55	44.33	54.00	-9.67	Average



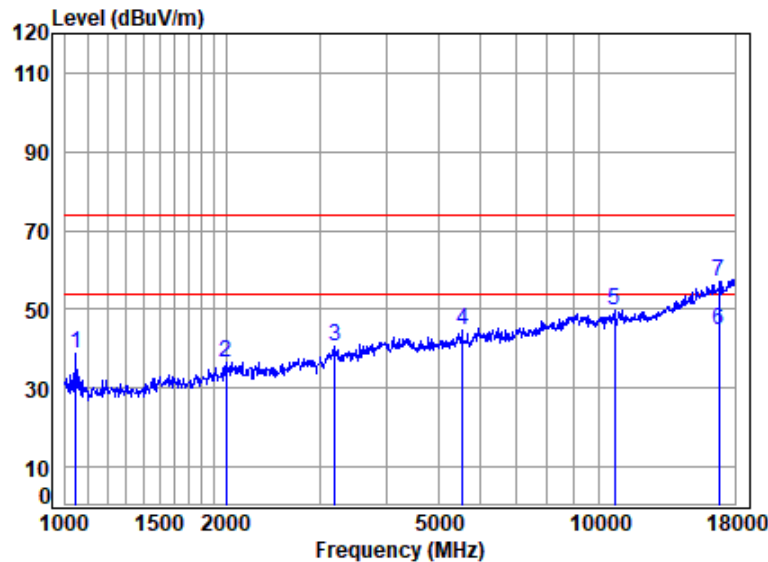
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Report No.: SZCR250700321901

Page: 37 of 62

1GHz-18GHz; Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 03219AT
Mode : RSE TX
: CH H

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1044.309	4.55	24.88	54.62	64.15	38.96	74.00 -35.04 Peak
2	2001.084	5.54	28.80	54.90	56.98	36.42	74.00 -37.58 Peak
3	3196.094	6.78	32.87	54.85	56.04	40.84	74.00 -33.16 Peak
4	5551.069	9.32	34.70	53.57	54.27	44.72	74.00 -29.28 Peak
5	10698.510	12.12	37.10	53.06	53.40	49.56	74.00 -24.44 Peak
6	q16842.290	15.76	43.03	52.73	38.43	44.49	54.00 -9.51 Average
7	p16842.290	15.76	43.03	52.73	50.96	57.02	74.00 -16.98 Peak



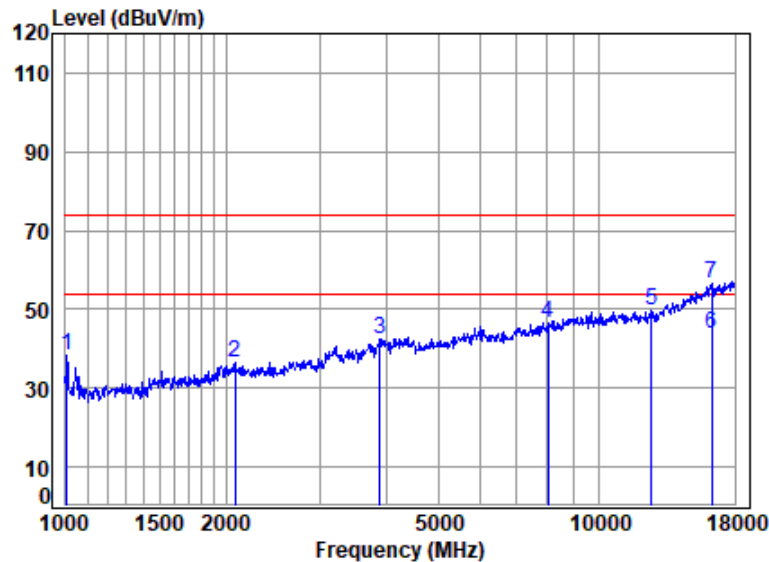
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1GHz-18GHz; Test Mode: 00; Polarity: Vertical

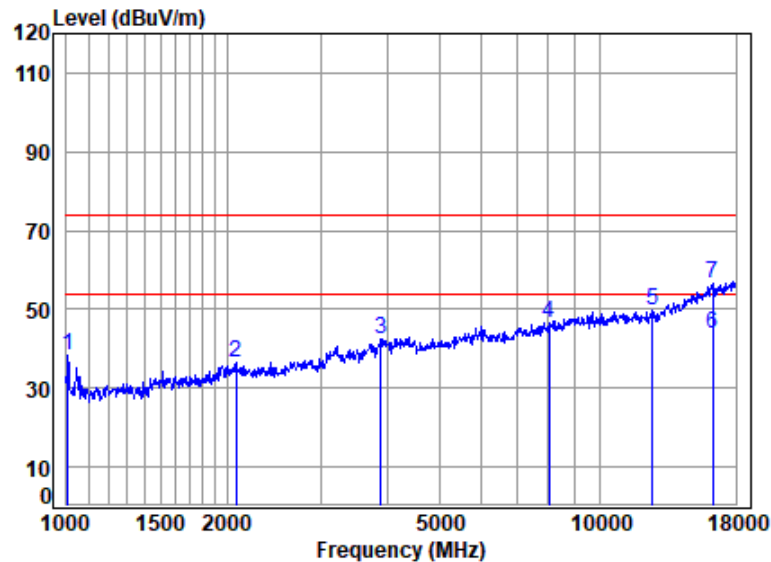


Site : chamber
Condition: 3m VERTICAL
Job No : 03219AT
Mode : RSE TX
: CH H

	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	1005.797	4.55	26.11	54.60	62.37	38.43	74.00	-35.57	Peak
2	2077.705	5.70	28.89	54.91	56.98	36.66	74.00	-37.34	Peak
3	3890.255	8.21	33.66	54.37	55.01	42.51	74.00	-31.49	Peak
4	8036.214	9.59	36.40	53.12	53.66	46.53	74.00	-27.47	Peak
5	12541.900	12.89	37.84	53.20	52.29	49.82	74.00	-24.18	Peak
6	q16315.230	15.68	42.00	52.15	38.16	43.69	54.00	-10.31	Average
7	p16315.230	15.68	42.00	52.15	50.97	56.50	74.00	-17.50	Peak



18GHz-40GHz; Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m VERTICAL
Job No : 03219AT
Mode : RSE TX
: CH H

	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 1005.797	4.55	26.11	54.60	62.37	38.43	74.00	-35.57	Peak
2 2077.705	5.70	28.89	54.91	56.98	36.66	74.00	-37.34	Peak
3 3890.255	8.21	33.66	54.37	55.01	42.51	74.00	-31.49	Peak
4 8036.214	9.59	36.40	53.12	53.66	46.53	74.00	-27.47	Peak
5 12541.900	12.89	37.84	53.20	52.29	49.82	74.00	-24.18	Peak
6 q16315.230	15.68	42.00	52.15	38.16	43.69	54.00	-10.31	Average
7 p16315.230	15.68	42.00	52.15	50.97	56.50	74.00	-17.50	Peak



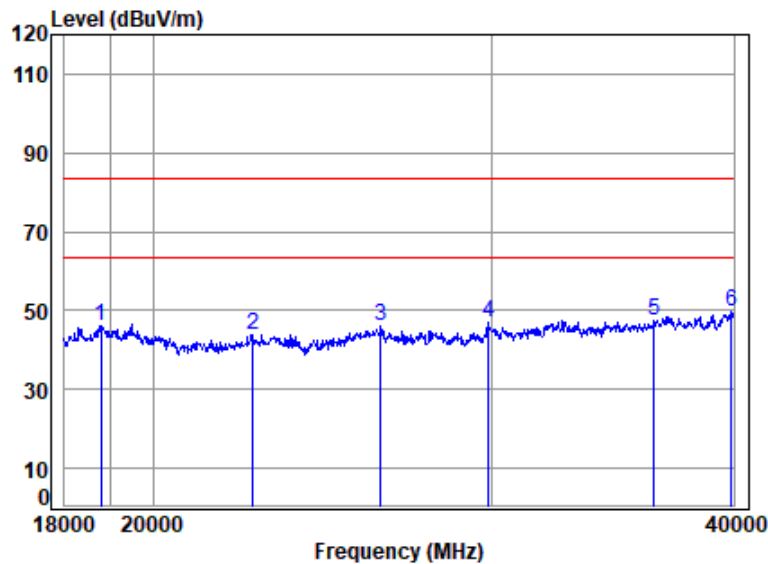
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Report No.: SZCR250700321901

Page: 40 of 62

18GHz-40GHz; Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 1m VERTICAL
Job No : 03219AT
Mode : RSE TX
Note : CH L

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 18793.130	5.81	36.87	54.72	58.18	46.14	83.54	-37.40 Peak
2 22509.870	6.31	36.70	52.98	53.92	43.95	83.54	-39.59 Peak
3 26260.500	7.46	38.78	52.15	51.95	46.04	83.54	-37.50 Peak
4 29815.510	7.32	39.34	53.09	53.51	47.08	83.54	-36.46 Peak
5 36374.100	8.03	41.40	50.28	48.30	47.45	83.54	-36.09 Peak
6 39904.290	7.70	43.09	51.87	51.01	49.93	83.54	-33.61 Peak



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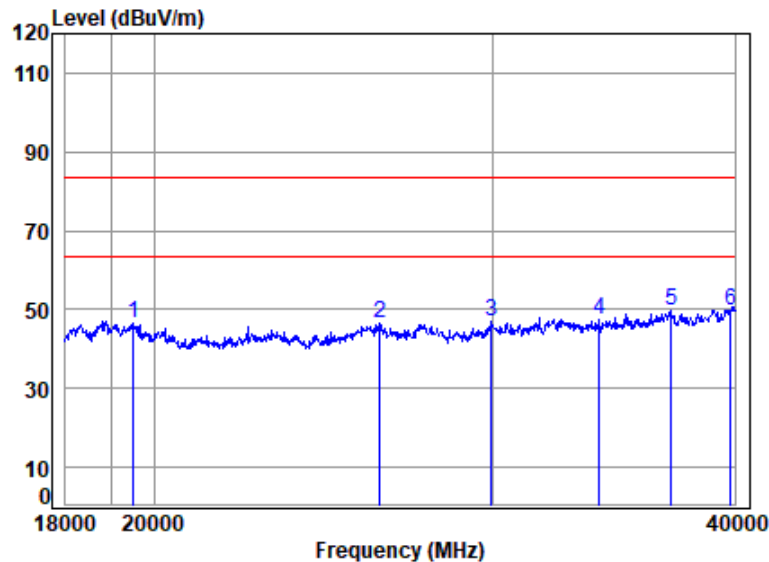
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 41 of 62

18GHz-40GHz; Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 1m HORIZONTAL
Job No : 03219AT
Mode : RSE TX
Note : CH M

	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 19496.260	6.04	37.20	55.10	58.56	46.70	83.54	-36.84 Peak
2 26197.670	7.47	38.86	52.14	52.13	46.32	83.54	-37.22 Peak
3 29910.890	7.35	39.68	53.04	52.81	46.80	83.54	-36.74 Peak
4 33987.200	7.70	40.58	51.91	50.96	47.33	83.54	-36.21 Peak
5 37048.310	7.42	42.44	50.42	50.35	49.79	83.54	-33.75 Peak
6 p39745.290	7.63	42.90	51.98	51.28	49.83	83.54	-33.71 Peak



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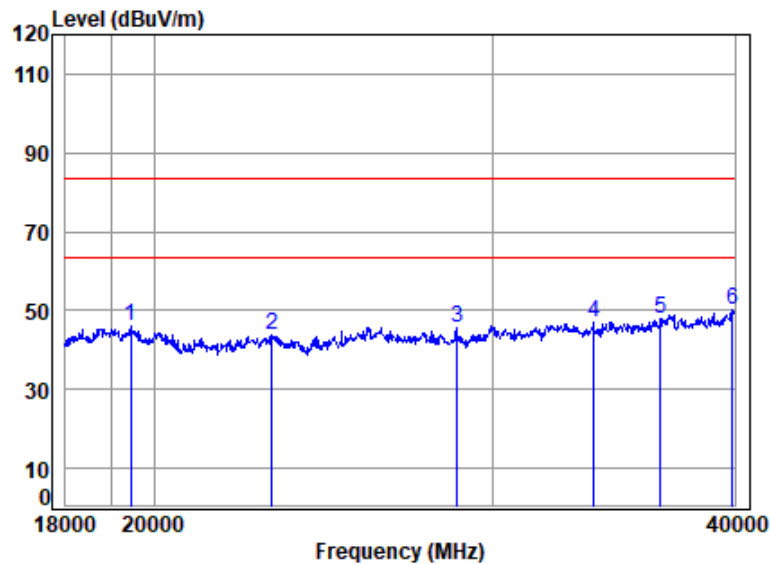
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 42 of 62

18GHz-40GHz; Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 1m VERTICAL
Job No : 03219AT
Mode : RSE TX
Note : CH M

	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 19449.610	6.05	37.18	55.07	57.72	45.88	83.54	-37.66	Peak
2 23000.450	6.59	36.80	52.40	52.82	43.81	83.54	-39.73	Peak
3 28694.350	7.06	38.11	53.23	53.47	45.41	83.54	-38.13	Peak
4 33797.750	7.79	40.36	52.00	50.71	46.86	83.54	-36.68	Peak
5 36607.210	7.79	41.69	50.32	48.93	48.09	83.54	-35.45	Peak
6 39904.290	7.70	43.09	51.87	51.05	49.97	83.54	-33.57	Peak



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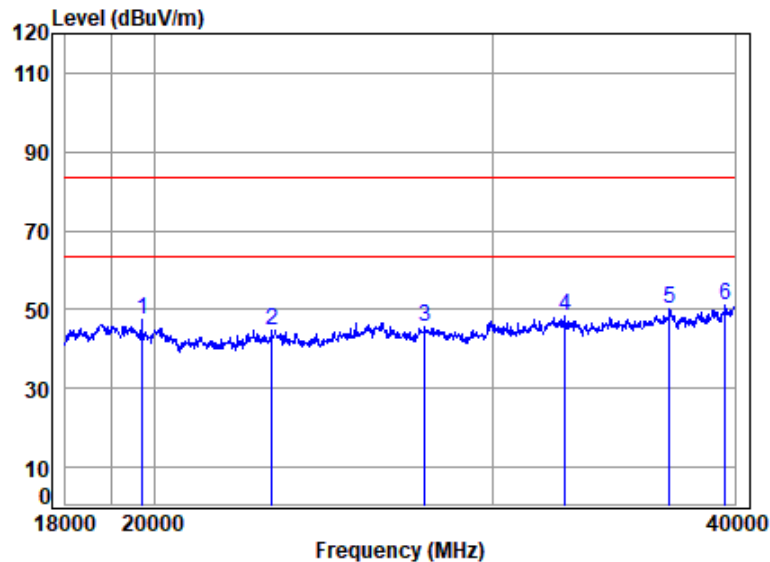
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 43 of 62

18GHz-40GHz; Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 1m HORIZONTAL
Job No : 03219AT
Mode : RSE TX
Note : CH H

	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 19715.430	6.01	37.11	55.23	59.35	47.24	83.54	-36.30	Peak
2 23037.210	6.59	36.84	52.51	53.93	44.85	83.54	-38.69	Peak
3 27615.350	7.11	38.47	52.49	52.34	45.43	83.54	-38.11	Peak
4 32630.910	8.10	39.85	52.29	52.54	48.20	83.54	-35.34	Peak
5 37018.740	7.40	42.48	50.41	50.69	50.16	83.54	-33.38	Peak
6 p39555.320	7.54	42.74	52.11	53.04	51.21	83.54	-32.33	Peak



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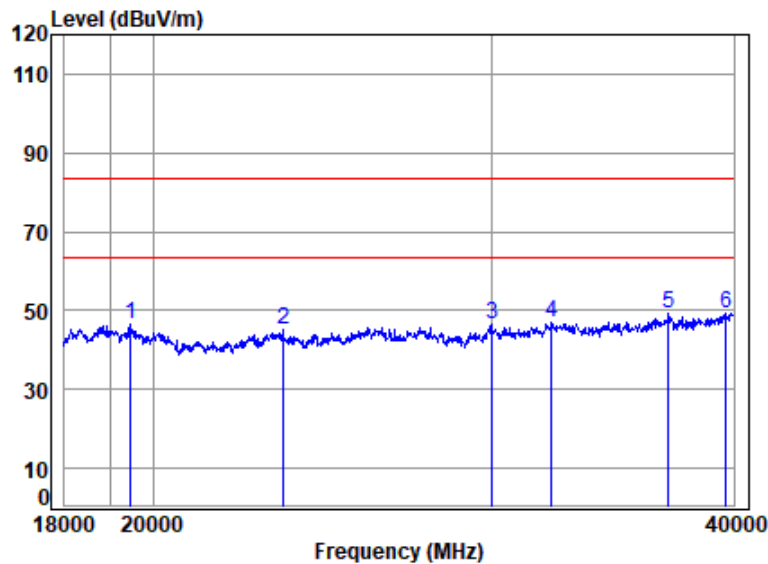
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Page: 44 of 62

18GHz-40GHz; Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 1m VERTICAL
Job No : 03219AT
Mode : RSE TX
Note : CH H

	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 19480.700	6.04	37.19	55.09	58.21	46.35	83.54	-37.19	Peak
2 23352.060	6.61	37.18	53.40	54.91	45.30	83.54	-38.24	Peak
3 29958.700	7.36	39.85	53.02	52.45	46.64	83.54	-36.90	Peak
4 32165.260	8.02	40.13	52.15	50.92	46.92	83.54	-36.62	Peak
5 37018.740	7.40	42.48	50.41	49.68	49.15	83.54	-34.39	Peak
6 39618.550	7.57	42.79	52.06	51.10	49.40	83.54	-34.14	Peak

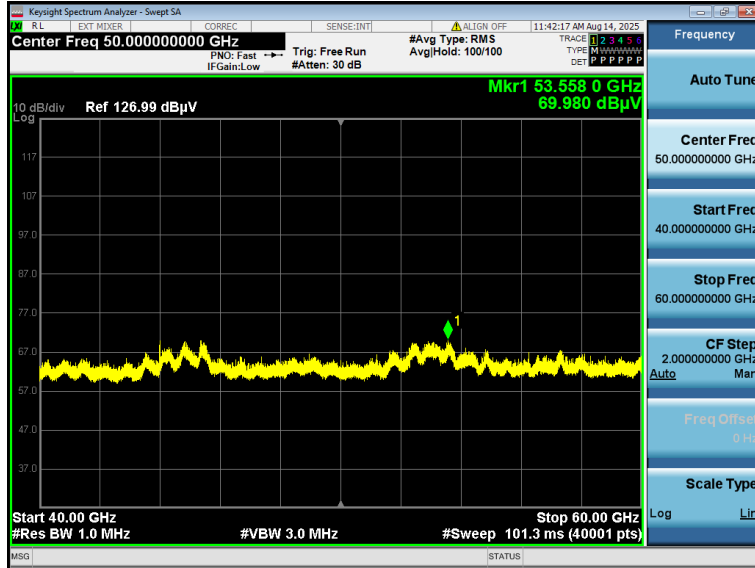


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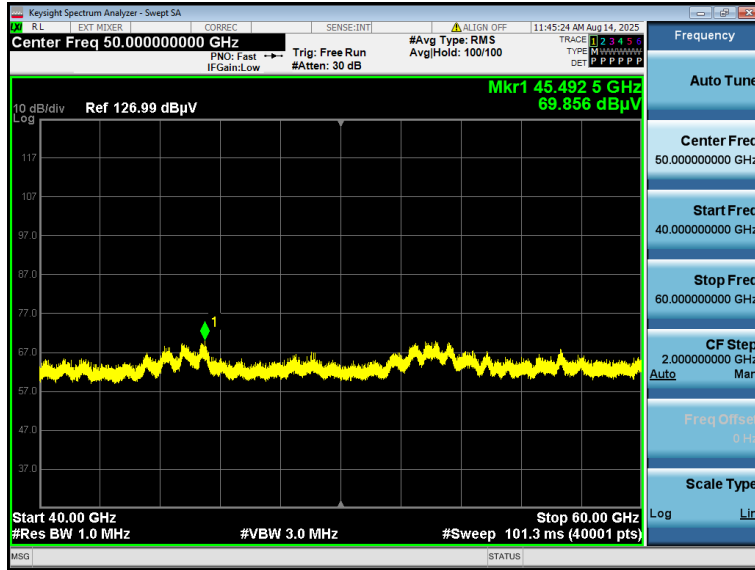
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40GHz-60GHz; Test Mode: 00; Polarity: Horizontal



40GHz-60GHz; Test Mode: 00; Polarity: Vertical



Frequency (GHz)	Distance (M)	Peak Value (dBuV/m)	PK Limit (dBuV/m)	Polarization	Result
53.5580	0.5	69.980	103.52	H	PASS
49.4925	0.5	69.856	103.52	V	PASS

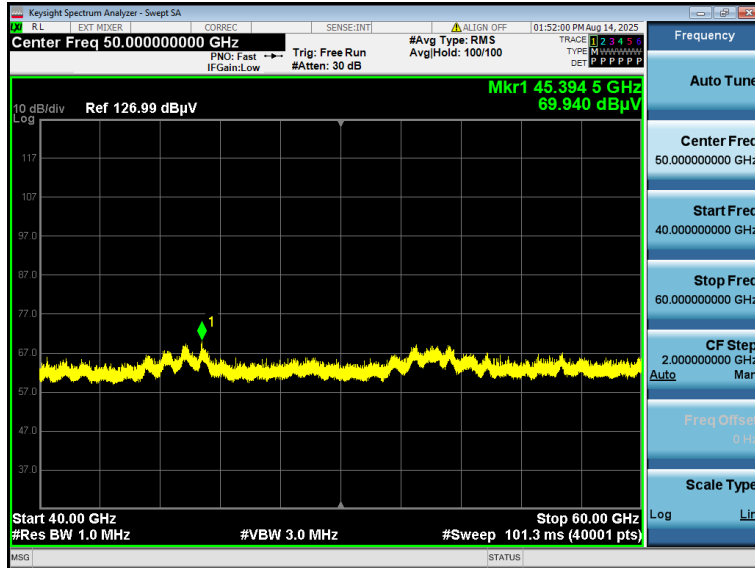
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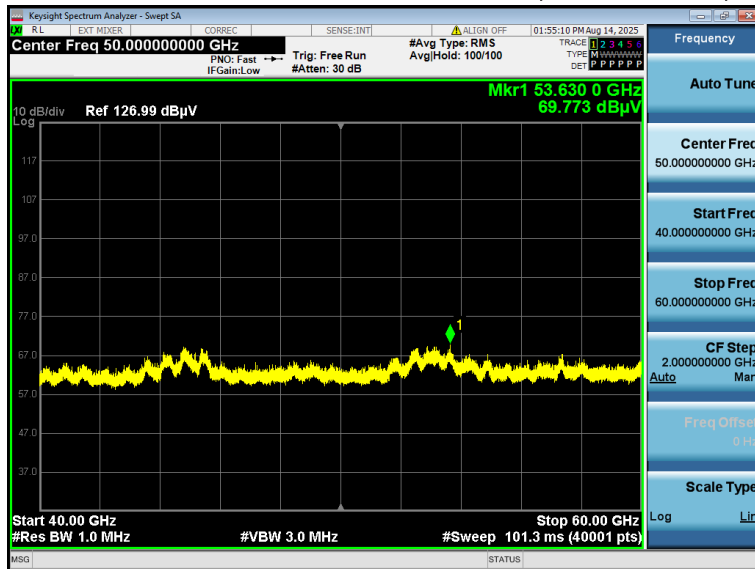
Report No.: SZCR250700321901

Page: 46 of 62

40GHz-60GHz; Test Mode: 00; Polarity: Horizontal



40GHz-60GHz; Test Mode: 00; Polarity: Vertical



Frequency (GHz)	Distance (M)	Peak Value (dBuv/m)	PK Limit (dBuv/m)	Polarization	Result
45.3945	0.5	69.940	103.52	H	PASS
53.6300	0.5	69.773	103.52	V	PASS



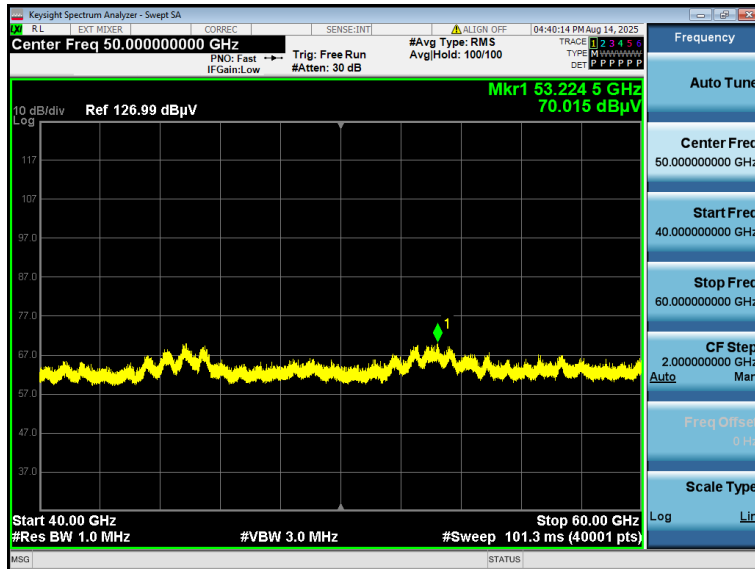
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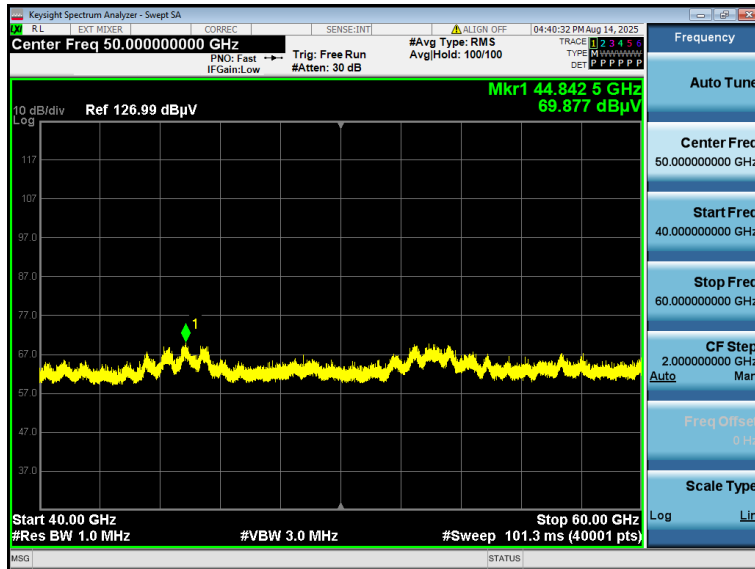
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40GHz-60GHz; Test Mode: 00; Polarity: Horizontal

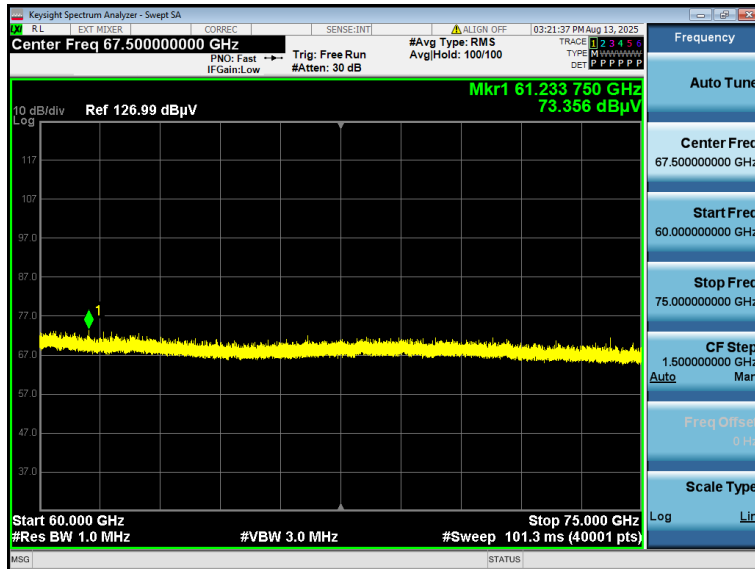


40GHz-60GHz; Test Mode: 00; Polarity: Vertical

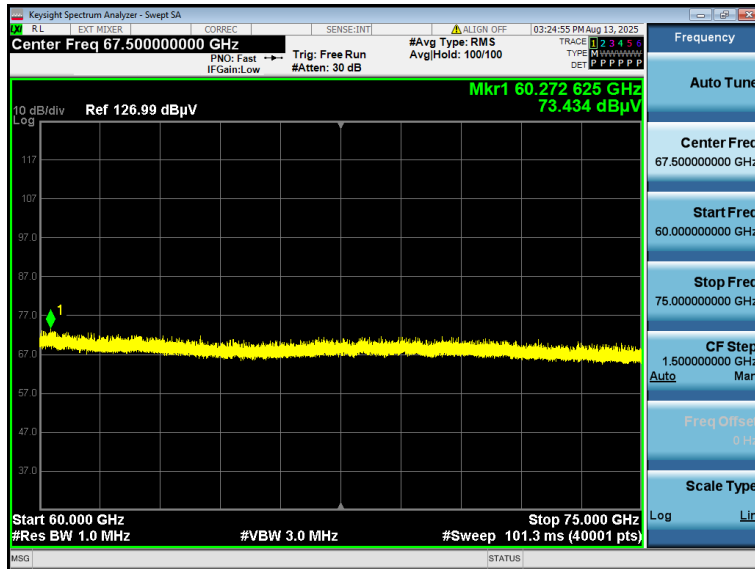


Frequency (GHz)	Distance (M)	Peak Value (dBuV/m)	PK Limit (dBuV/m)	Polarization	Result
53.2245	0.5	70.015	103.52	H	PASS
44.8425	0.5	69.877	103.52	V	PASS

60-75GHz Test Mode: 00; Polarity: Horizontal

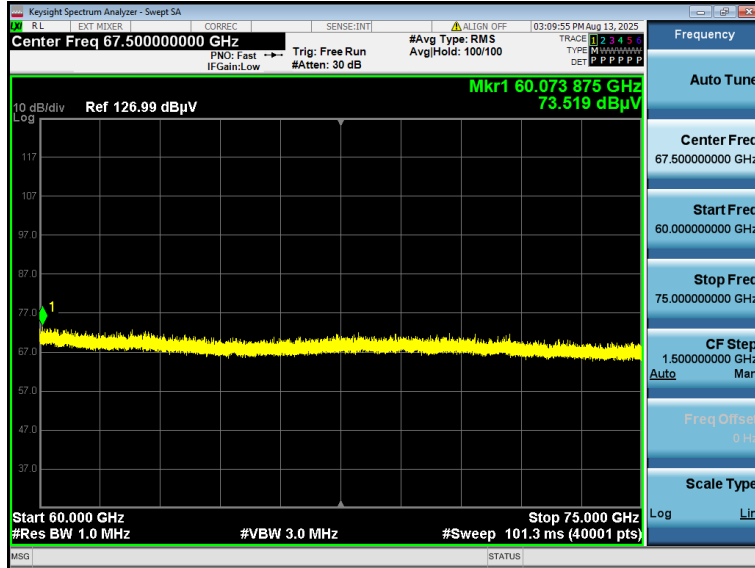


60-75 GHz Test Mode: 00; Polarity: Vertical

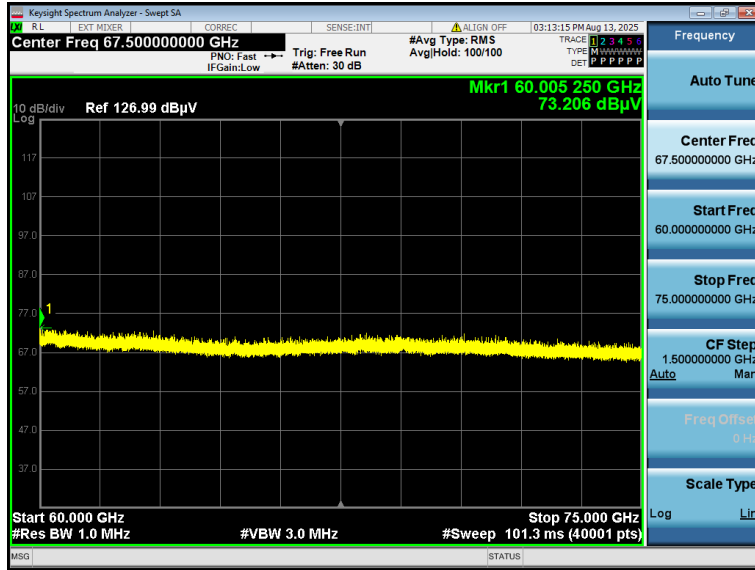


Frequency (GHz)	Distance (M)	Peak Value (dBuV/m)	PK Limit (dBuV/m)	Polarization	Result
61.233750	0.5	73.356	103.52	H	PASS
60.272625	0.5	73.434	103.52	V	PASS

60-75GHz Test Mode: 00; Polarity: Horizontal

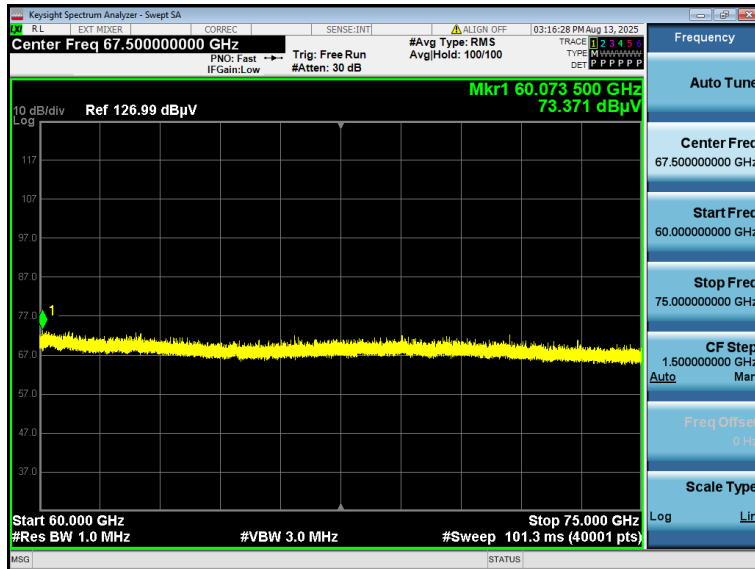


60-75 GHz Test Mode: 00; Polarity: Vertical

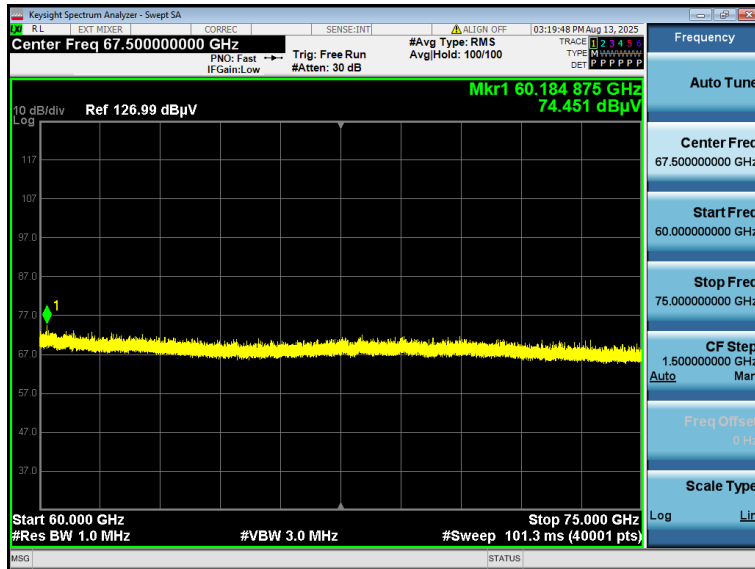


Frequency (GHz)	Distance (M)	Peak Value (dBuV/m)	PK Limit (dBuV/m)	Polarization	Result
60.073875	0.5	73.519	103.52	H	PASS
60.005250	0.5	73.206	103.52	V	PASS

60-75GHz Test Mode: 00; Polarity: Horizontal

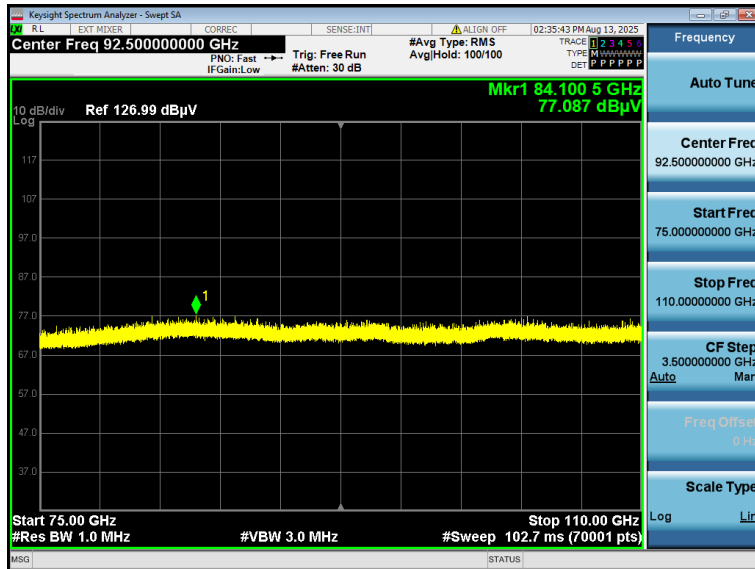


60-75 GHz Test Mode: 00; Polarity: Vertical

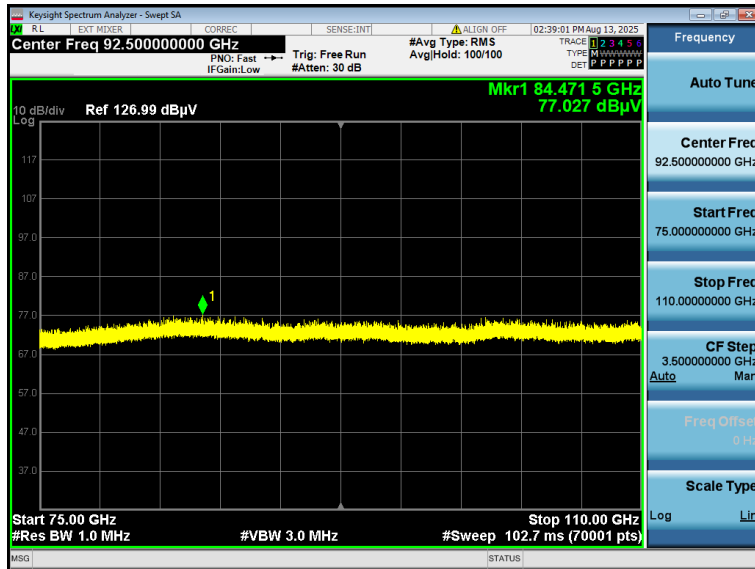


Frequency (GHz)	Distance (M)	Peak Value (dBuV/m)	PK Limit (dBuV/m)	Polarization	Result
60.073500	0.5	73.371	103.52	H	PASS
60.184875	0.5	74.451	103.52	V	PASS

75-110 GHz Test Mode: 00; Polarity: Horizontal

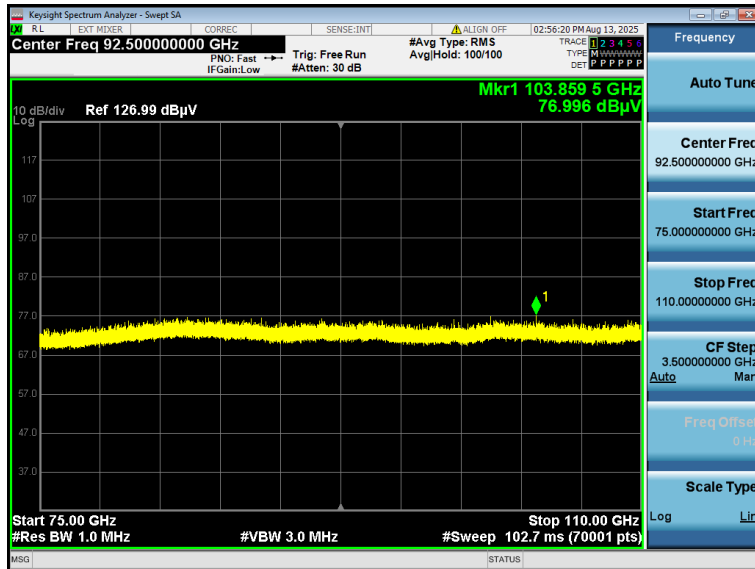


75-110 GHz Test Mode: 00; Polarity: Vertical

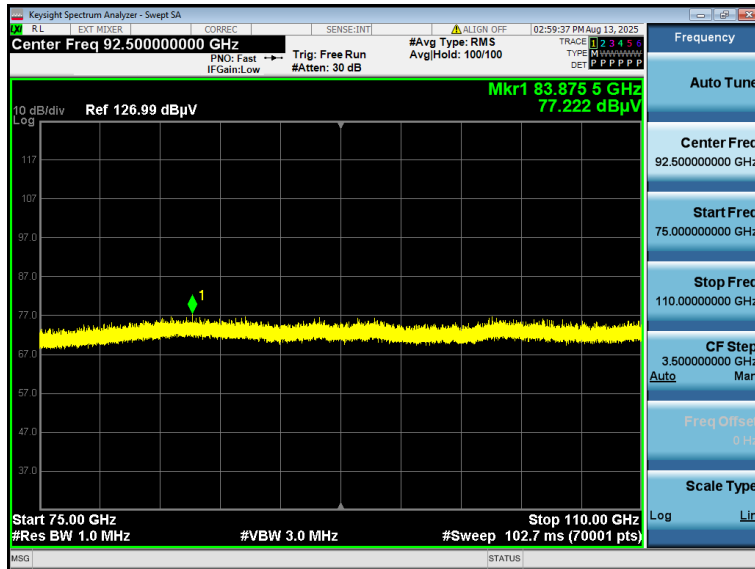


Frequency (GHz)	Distance (M)	Peak Value (dBuV/m)	PK Limit (dBuV/m)	Polarization	Result
84.1005	0.5	77.087	103.52	H	PASS
84.4715	0.5	77.027	103.52	V	PASS

75-110 GHz Test Mode: 00; Polarity: Horizontal

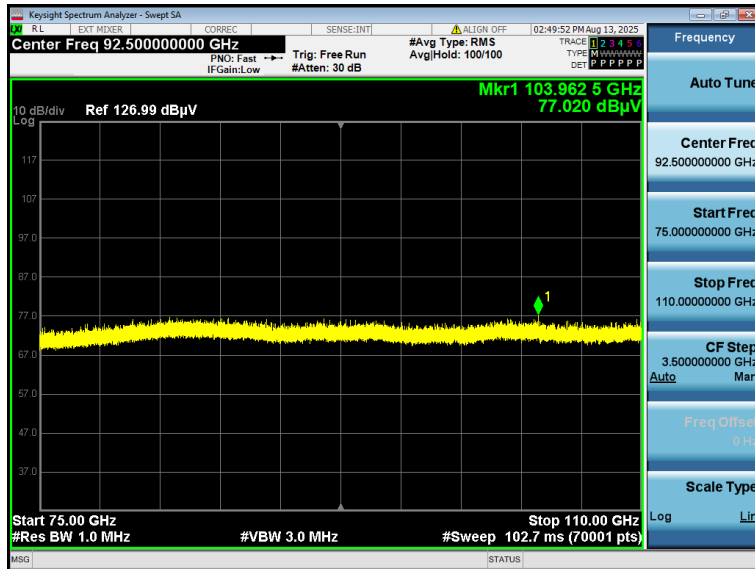


75-110 GHz Test Mode: 00; Polarity: Vertical

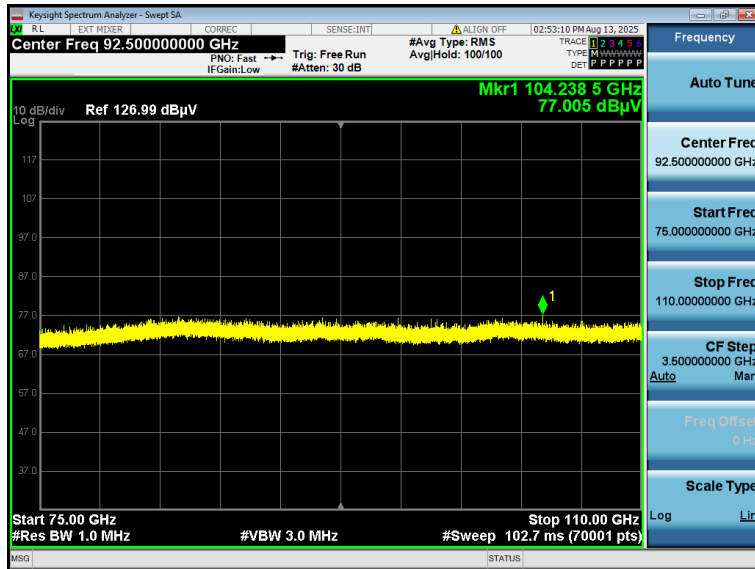


Frequency (GHz)	Distance (M)	Peak Value (dBuv/m)	PK Limit (dBuv/m)	Polarization	Result
103.8595	0.5	76.996	103.52	H	PASS
83.8755	0.5	77.222	103.52	V	PASS

75-110 GHz Test Mode: 00; Polarity: Horizontal



75-110 GHz Test Mode: 00; Polarity: Vertical



Frequency (GHz)	Distance (M)	Peak Value (dBuv/m)	PK Limit (dBuv/m)	Polarization	Result
103.9626	0.5	77.020	103.52	H	PASS
104.2385	0.5	77.005	103.52	V	PASS

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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 54 of 62

7.4 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

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

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.

Remark: For measurement distance 1m, the field strength doesn't exceed 63.52 dBuV/m

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 46.9 % 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 continuously transmitting mode



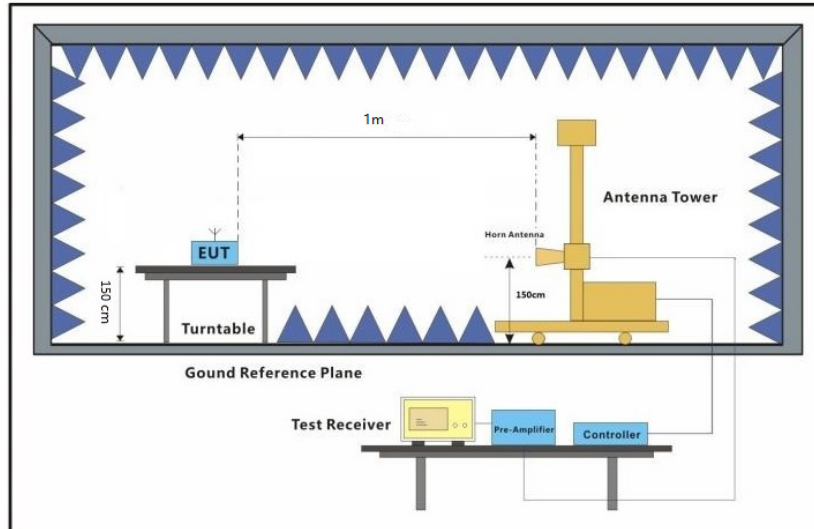
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7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

- 1) The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 1 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2) 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.
- 3) 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.
- 4) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 5) 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.
- 6) 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.
- 7) Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: 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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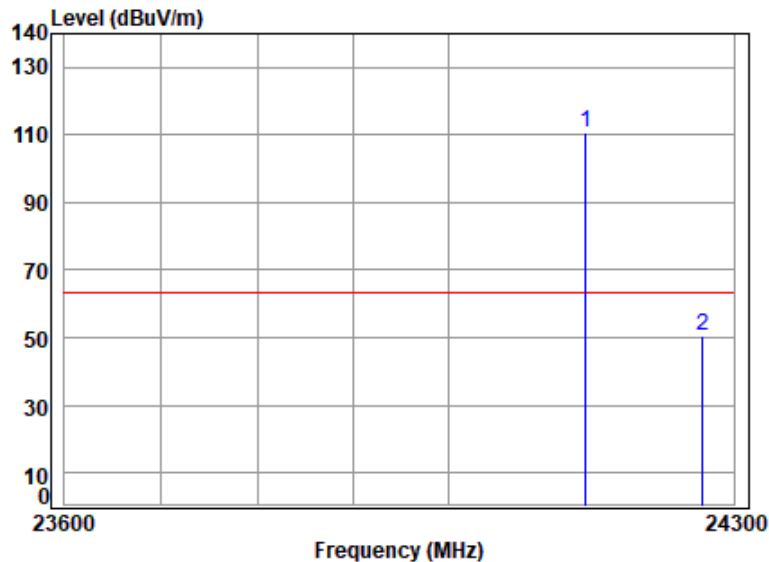
SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 56 of 62

Test Data:

Test Mode: 00; Channel: L; Polarity: Horizontal



Site : chamber
Condition: 1m HORIZONTAL
Job No : 03219AT
Mode : RSE TX
Note :

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 24143.000	6.67	38.01	54.82	121.02	110.88	63.54	47.34 Peak
2 24266.500	6.69	38.10	54.50	60.17	50.46	63.54	-13.08 Peak



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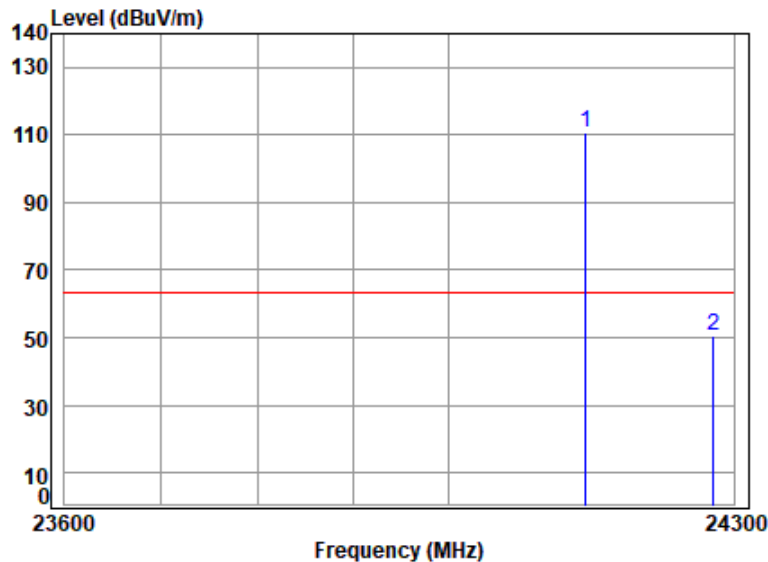
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 57 of 62

Test Mode: 00; Channel: L; Polarity: Vertical



Site : chamber
Condition: 1m VERTICAL
Job No : 03219AT
Mode : RSE TX
Note :

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p24143.000	6.67	38.01	54.82	121.13	110.99	63.54	47.45 Peak
2 24277.700	6.69	38.10	54.47	60.01	50.33	63.54	-13.21 Peak



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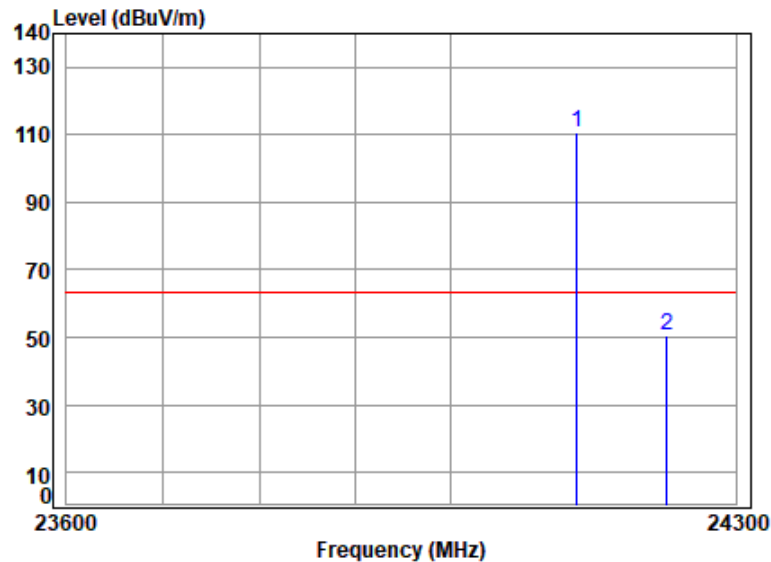
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 58 of 62

Test Mode: 00; Channel: M; Polarity: Horizontal



Site : chamber
Condition: 1m HORIZONTAL
Job No : 03219AT
Mode : RSE TX
Note :

	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 p24131.000	6.66	38.01	54.85	121.05	110.87	63.54	47.33	Peak
2 24226.500	6.68	38.08	54.60	60.51	50.67	63.54	-12.87	Peak



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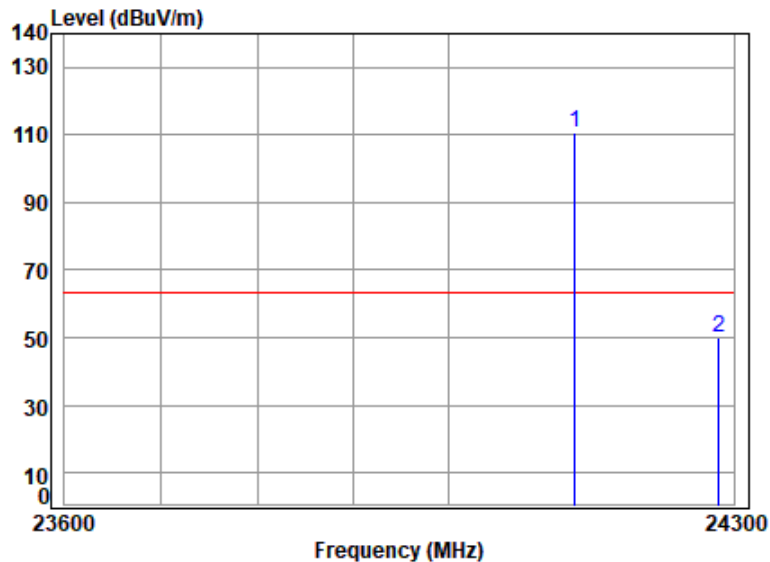
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 59 of 62

Test Mode: 00; Channel: M; Polarity: Vertical



Site : chamber
Condition: 1m VERTICAL
Job No : 03219AT
Mode : RSE TX
Note :

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p24131.000	6.66	38.01	54.85	120.86	110.68	63.54	47.14 Peak
2 24283.500	6.69	38.10	54.45	59.84	50.18	63.54	-13.36 Peak



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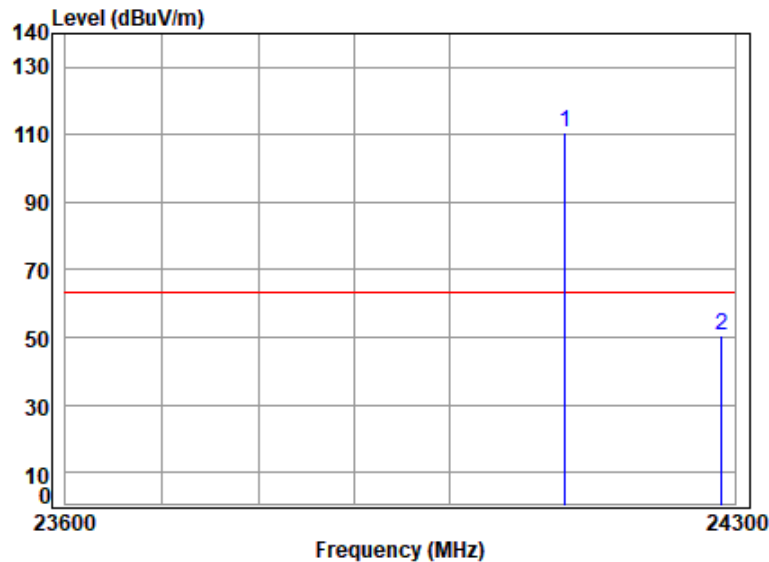
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 60 of 62

Test Mode: 00; Channel: H; Polarity: Horizontal



Site : chamber
Condition: 1m HORIZONTAL
Job No : 03219AT
Mode : RSE TX
Note :

	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 p24120.000	6.66	38.00	54.88	121.00	110.78	63.54	47.24	Peak
2 24284.800	6.69	38.10	54.45	60.05	50.39	63.54	-13.15	Peak



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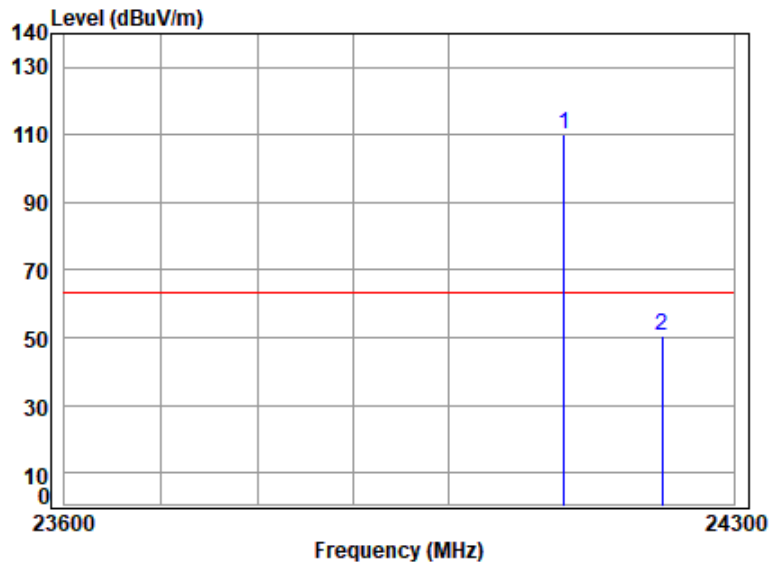
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700321901

Page: 61 of 62

Test Mode: 00; Channel: H; Polarity: Vertical



Site : chamber
Condition: 1m VERTICAL
Job No : 03219AT
Mode : RSE TX
Note :

	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 p24120.000	6.66	38.00	54.88	120.32	110.10	63.54	46.56	Peak
2 24223.700	6.68	38.08	54.61	60.18	50.33	63.54	-13.21	Peak



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2507003219AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2507003219AT

- End of the Report -

