

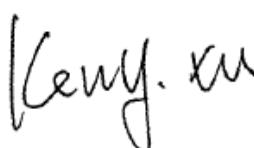
TEST REPORT

Application No.: SZCR2504001740WM
Applicant: START USA, INC.
Address of Applicant: 5600 Tennyson Parkway, Suite 390, Plano, TX 75024, USA
Manufacturer: START USA, INC.
Address of Manufacturer: 5600 Tennyson Parkway, Suite 390, Plano, TX 75024, USA
Equipment Under Test (EUT):
EUT Name: 4G Wireless Home Phone Base
Model No.: SD3200
Trade Mark: IRIS, START
FCC ID: 2AWF6-SD3200
Standard(s) : 47 CFR Part 15, Subpart B
Date of Receipt: 2025-04-30
Date of Test: 2025-07-01 to 2025-07-03
Date of Issue: 2025-07-21, Amendment 01: 2025-07-28

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

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

This report supersedes our previous report SZCR250400174003, issued on 2025-07-21, which is hereby deemed null and void.



Keny Xu

EMC Laboratory Manager

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

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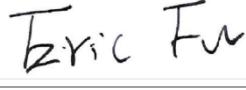
SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250400174003

Amendment 01

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-07-21		Original
02		2025-07-28		Added FCC ID information

Authorized for issue by:			
			
		Darren Yuan/Project Engineer	
			
		Eric Fu/Reviewer	

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2 Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	15.107(a);Class B	Pass
Radiated Emissions (30MHz-1GHz)		ANSI C63.4:2014	15.109(a);Class B	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.4:2014	15.109(g);Class B	Pass



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4 General Information

4.1 Details of E.U.T.

Power supply:	Powered by Rechargeable Li-ion Polymer Battery Battery information: Model: SA3000 Nominal Voltage: 3.8V Rated Capacity: 3000mAh Adapter information: Model: XT-C15A Input: 100-240VAC, 50/60Hz, 0.3A Output: 5V, 2A, 10W
Cable(s):	USB-A to USB-C Cable: 100cm without shielded

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.

Item No.	Mode No.	Description	Manufacturer
Adapter 1	XT-C15A	Input: 100-240V~50/60Hz 0.3A, Output: 5V2.0A	DONGGUAN SUMMER ELECTRONICS CO., LTD.
USB cable	/	/	DoWaye ELECTRONICS CO.,LTD
Battery	SA3000	3000mAh/3.8V	Dongguan Milai Electronics Co., LTD

EUT No.	Description
EUT1	Screen1
EUT2	Screen2



4.2 Test modes

Pretest these modes to find the worst case and show the worse data in the test items:	02 Charging+norma working_Keep the EUT1 charged by adapter and working normally. 03 Idle mode_Keep the EUT1 standby. 04 Charging+norma working_Keep the EUT2 charged by adapter and working normally. 05 Idle mode_Keep the EUT2 standby.
---	--

4.3 Description of Support Units

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

The EUT has been tested as an independent unit.

4.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at Mains Terminals (150kHz-30MHz)	± 3.1dB
Radiated Emissions (30MHz-1GHz)	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Emissions (Above 1GHz)	± 4.6dB

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{cispr/ETSI}$ (CISPR/ETSI Uncertainty), so the test results
– compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
– non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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4.5 Test Location

All tests were performed at:

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

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

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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5 Equipment List

Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
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	2024-07-06	2025-07-05
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14
LISN	ETS-LINDGREN	3816/2	SEM007-02	2025-03-03	2026-03-02

Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2024-08-14	2025-08-13
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	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	2024-07-06	2025-07-05

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
Microwave system amplifier	Agilent	83017A	SEM005-25	2024-09-14	2025-09-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2024-07-06	2025-07-05



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

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General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02

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6 Emission Test Results

6.1 Conducted Emissions at Mains Terminals (150kHz-30MHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Limit:

0.15M-0.5MHz 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average

0.5M-5MHz 56dB(μV) quasi-peak, 46dB(μV) average

5M-30MHz 60dB(μV) quasi-peak, 50dB(μV) average

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

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	Charging+normal working_Keep the EUT1 charged by adapter and working normally.

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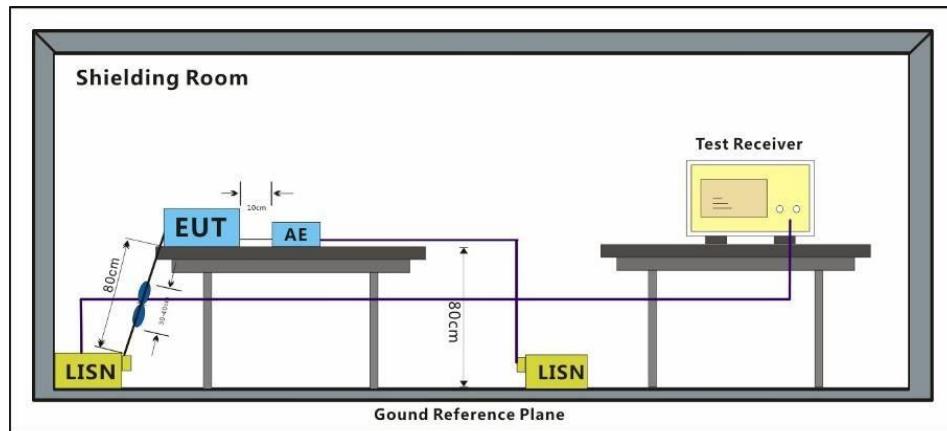
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6.1.3 Test Setup Diagram



6.1.4 Measurement Procedure and Data

An initial pre-scan was performed with peak detector. Quasi-Peak or Average measurement were performed at the frequencies with maximized peak emission were detected.

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

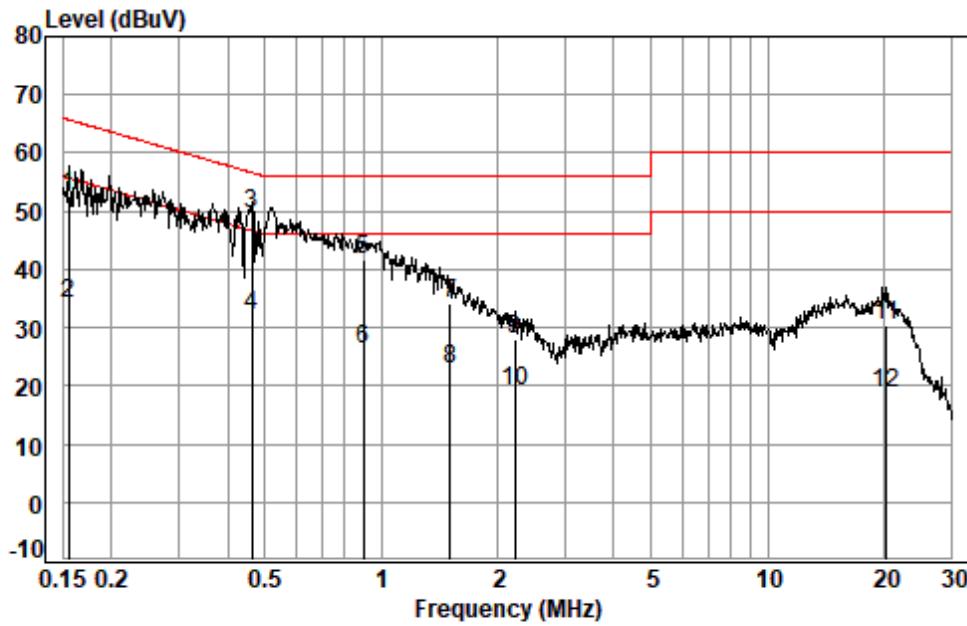
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Test Mode: 02; Line: Live line



Site : Shielding Room

Condition: Line

Job No. : 01740WM

Test mode: 02

Freq	Cable	LISN	Read	Limit		Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	0.1548	0.01	10.19	42.52	52.72	65.74	-13.02 QP
2	0.1548	0.01	10.19	24.10	34.30	55.74	-21.44 Average
3 *	0.4637	0.01	9.59	40.01	49.61	56.63	-7.02 QP
4 *	0.4637	0.01	9.59	22.63	32.23	46.63	-14.40 Average
5	0.8992	0.01	9.60	31.92	41.53	56.00	-14.47 QP
6	0.8992	0.01	9.60	16.76	26.37	46.00	-19.63 Average
7	1.5113	0.01	9.58	24.70	34.29	56.00	-21.71 QP
8	1.5113	0.01	9.58	13.18	22.77	46.00	-23.23 Average
9	2.2132	0.01	9.60	18.53	28.14	56.00	-27.86 QP
10	2.2132	0.01	9.60	9.62	19.23	46.00	-26.77 Average
11	20.2696	0.22	10.18	20.05	30.45	60.00	-29.55 QP
12	20.2696	0.22	10.18	8.38	18.78	50.00	-31.22 Average

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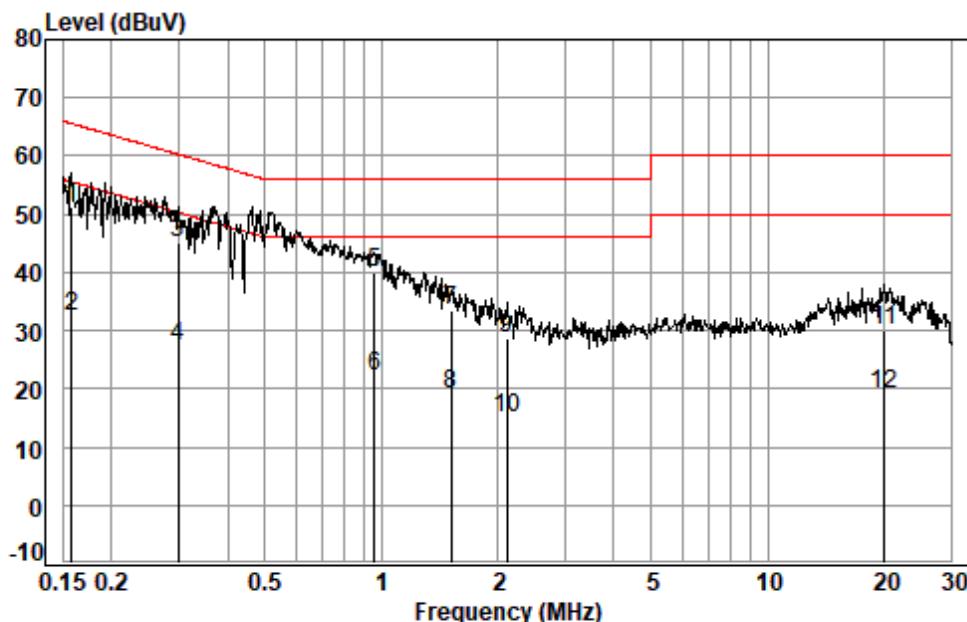
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Test Mode: 02; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 01740WM

Test mode: 02

Freq	Cable Loss	LISN Factor	Read	Limit Line	Over Limit	Remark
			Level			
MHz	dB	dB	dBuV	dBuV	dBuV	dB
1 *	0.1582	0.01	10.14	41.26	51.41	65.56 -14.15 QP
2 *	0.1582	0.01	10.14	22.39	32.54	55.56 -23.02 Average
3	0.2987	0.01	9.77	35.27	45.05	60.28 -15.23 QP
4	0.2987	0.01	9.77	17.35	27.13	50.28 -23.15 Average
5	0.9582	0.01	9.55	30.26	39.82	56.00 -16.18 QP
6	0.9582	0.01	9.55	12.77	22.33	46.00 -23.67 Average
7	1.5193	0.01	9.55	23.88	33.44	56.00 -22.56 QP
8	1.5193	0.01	9.55	9.46	19.02	46.00 -26.98 Average
9	2.1101	0.01	9.55	19.18	28.74	56.00 -27.26 QP
10	2.1101	0.01	9.55	5.29	14.85	46.00 -31.15 Average
11	20.0559	0.23	10.15	19.70	30.08	60.00 -29.92 QP
12	20.0559	0.23	10.15	8.86	19.24	50.00 -30.76 Average

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6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Measurement Distance: 3m

Limit:

FREQUENCY (MHz)	dB μ V/m (At 10m)	dB μ V/m (At 3m)
	Class B	Class B
30MHz -88MHz	29.5	40.0
88MHz-216MHz	33.1	43.5
216MHz-960MHz	35.6	46.0
960MHz-1000MHz	43.5	54.0

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 46.8 % RH

Atmospheric Pressure: 1020 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	Charging+normal working_Keep the EUT1 charged by adapter and working normally.
Pre-scan	03	Idle mode_Keep the EUT1 standby.
Final test	04	Charging+normal working_Keep the EUT2 charged by adapter and working normally.
Pre-scan	05	Idle mode_Keep the EUT2 standby.

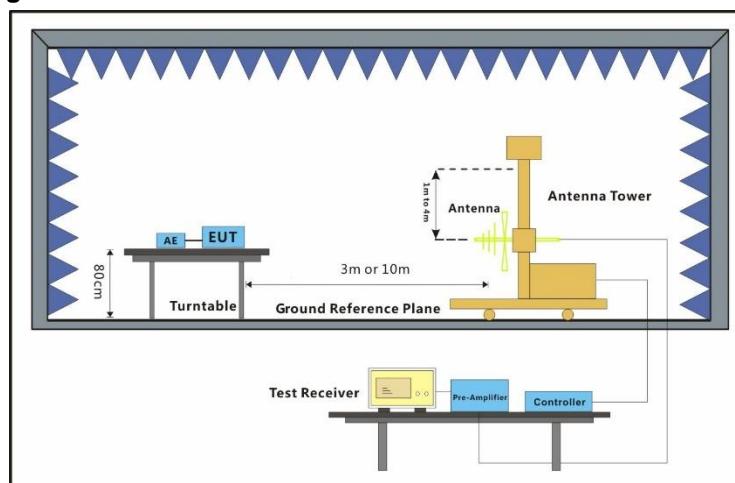
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6.2.3 Test Setup Diagram**6.2.4 Measurement Procedure and Data**

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

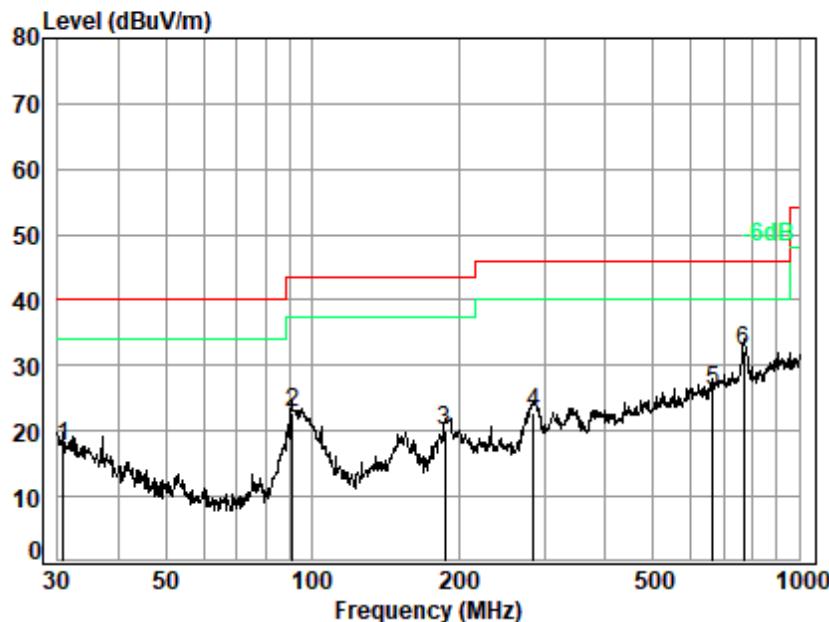
Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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Test Mode: 02; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 01740WM

Test Mode: 02

Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Limit	Remark
					Level	Line		
1	30.853	20.81	0.75	27.65	23.84	17.75	40.00	-22.25 QP
2	90.855	11.80	1.18	27.60	37.38	22.76	43.50	-20.74 QP
3	187.096	14.30	1.65	27.78	31.86	20.03	43.50	-23.47 QP
4	284.977	16.90	2.06	27.54	31.30	22.72	46.00	-23.28 QP
5	665.804	25.41	3.31	27.92	25.28	26.08	46.00	-19.92 QP
6 q	768.748	26.68	3.61	27.67	29.55	32.17	46.00	-13.83 QP

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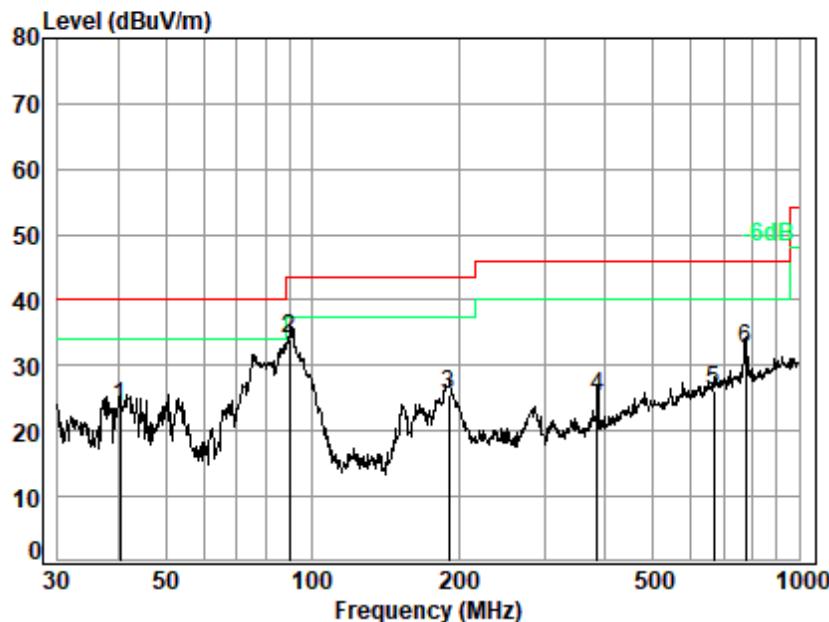
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Test Mode: 02; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 01740WM
Test Mode: 02

Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	40.276	16.28	0.82	27.64	34.13	23.59	40.00	-16.41 QP
2 q	89.905	11.72	1.18	27.60	48.83	34.13	43.50	-9.37 QP
3	191.074	14.28	1.67	27.79	37.53	25.69	43.50	-17.81 QP
4	385.281	20.89	2.44	27.72	29.50	25.11	46.00	-20.89 QP
5	668.142	25.49	3.32	27.91	25.34	26.24	46.00	-19.76 QP
6	776.878	26.93	3.63	27.65	29.51	32.42	46.00	-13.58 QP

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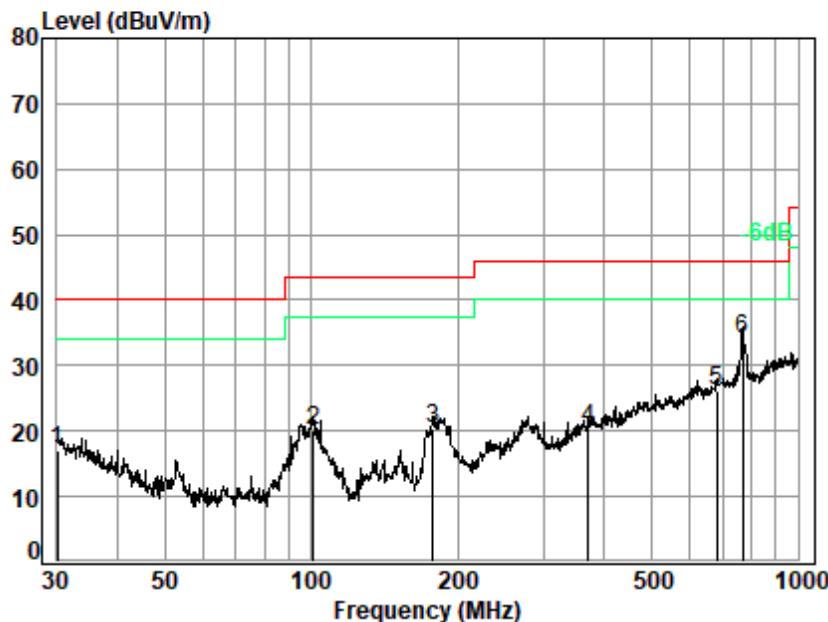
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Test Mode: 04; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 01740WM

Test Mode: 04

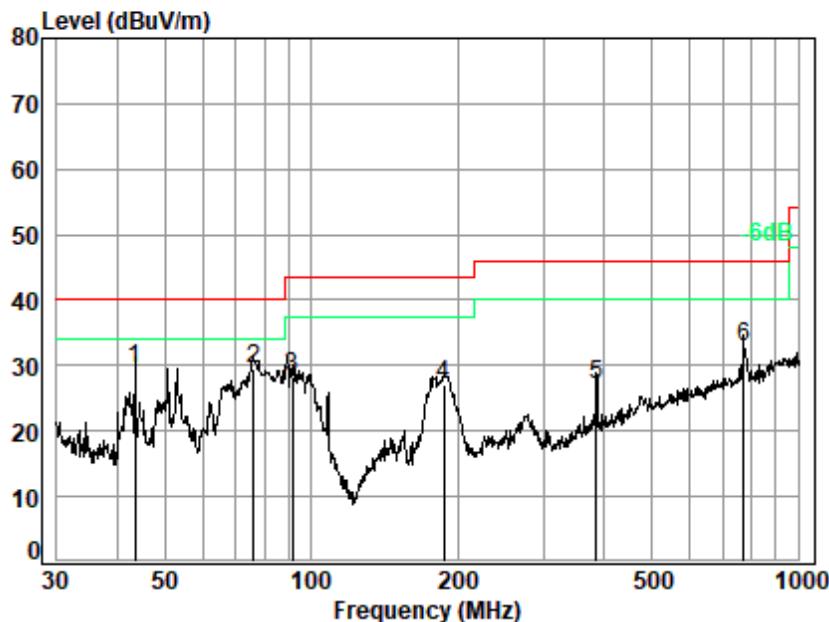
Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Limit	Remark
					Level	Line		
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.105	21.15	0.74	27.65	22.67	16.91	40.00	-23.09 QP
2	100.934	12.33	1.23	27.60	34.22	20.18	43.50	-23.32 QP
3	177.509	13.96	1.62	27.77	32.51	20.32	43.50	-23.18 QP
4	370.702	20.47	2.39	27.68	25.16	20.34	46.00	-25.66 QP
5	679.960	25.86	3.35	27.88	24.70	26.03	46.00	-19.97 QP
6 q	768.748	26.68	3.61	27.67	31.39	34.01	46.00	-11.99 QP

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Test Mode: 04; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 01740WM
Test Mode: 04

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Limit		Over Limit	Remark
					Level	Line		
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q 43.353	14.80	0.85	27.64	41.40	29.41	40.00	-10.59 QP
2	75.977	10.38	1.05	27.61	45.59	29.41	40.00	-10.59 QP
3	91.495	11.86	1.19	27.60	42.72	28.17	43.50	-15.33 QP
4	187.096	14.30	1.65	27.78	38.75	26.92	43.50	-16.58 QP
5	385.281	20.89	2.44	27.72	31.33	26.94	46.00	-19.06 QP
6	771.449	26.76	3.61	27.66	30.09	32.80	46.00	-13.20 QP

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6.3 Radiated Emissions (Above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Measurement Distance: 3m

Limit:

Above 1GHz 74(dB μ V/m) peak, 54(dB μ V/m) average at 3m distance

83.54(dB μ V/m) peak, 63.54(dB μ V/m) average at 1m distance

Detector: Peak for pre-scan (1MHz resolution bandwidth) 1GHz to 40GHz

6.3.1 E.U.T. Operation

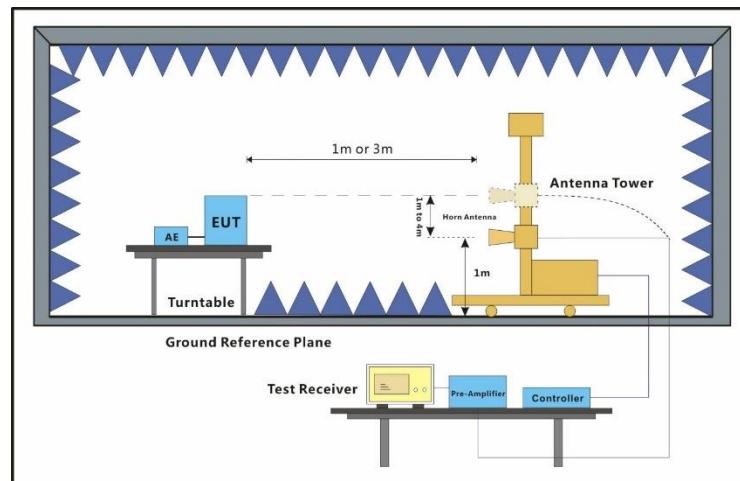
Operating Environment:

Temperature: 21 °C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	Charging+norma working_Keeep the EUT1 charged by adapter and working normally.
Pre-scan	03	Idle mode_Keeep the EUT1 standby.

6.3.3 Test Setup Diagram



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6.3.4 Measurement Procedure and Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by Horn antenna with 2 orthogonal polarities.

The red line show in graphic is the limit in standard used in this section.

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

Test Mode: 02; Polarity: Horizontal



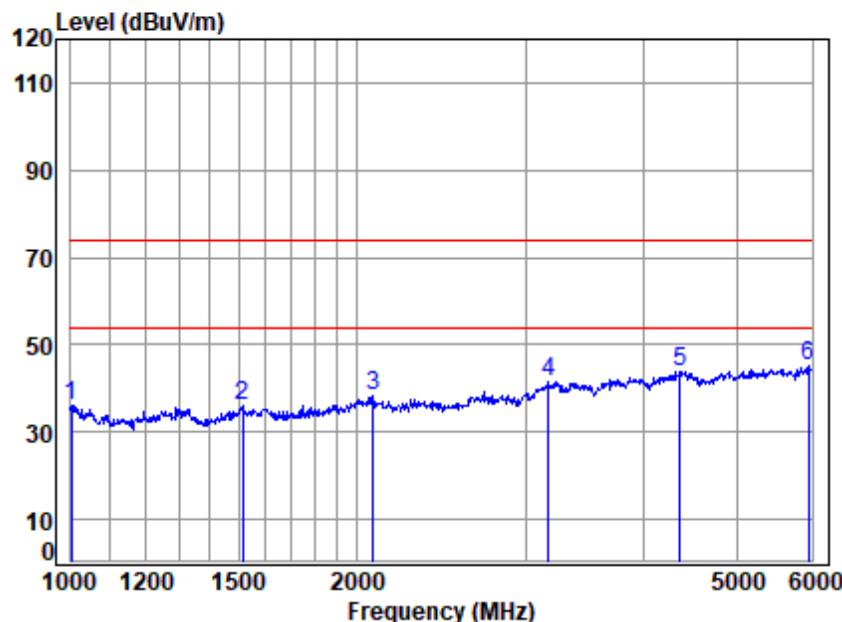
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Site : chamber
Condition: 3m HORIZONTAL
Job No : 01740WM
Mode : 02

1	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1001.793	5.95	26.24	54.60	58.36	35.95	74.00	-38.05 peak
2	1515.413	4.90	26.86	54.78	58.84	35.82	74.00	-38.18 peak
3	2077.235	5.13	28.89	54.91	59.08	38.19	74.00	-35.81 peak
4	3170.512	6.07	32.66	54.87	57.52	41.38	74.00	-32.62 peak
5	4361.545	7.04	34.49	54.26	56.60	43.87	74.00	-30.13 peak
6 p	5946.487	8.72	34.69	53.15	54.86	45.12	74.00	-28.88 peak

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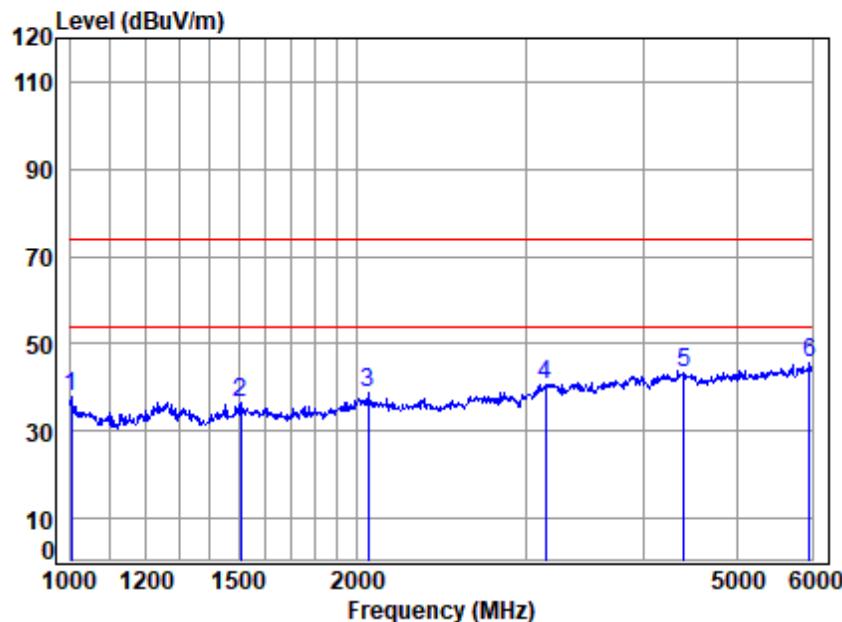
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Test Mode: 02; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01740WM
Mode : 02

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1001.793	5.95	26.24	54.60	60.13	37.72	74.00	-36.28 peak
2 1507.289	4.89	26.83	54.78	59.54	36.48	74.00	-37.52 peak
3 2051.345	5.10	28.99	54.91	59.61	38.79	74.00	-35.21 peak
4 3147.870	6.05	32.46	54.88	57.10	40.73	74.00	-33.27 peak
5 4400.794	7.07	34.79	54.26	55.90	43.50	74.00	-30.50 peak
6 p 5967.835	8.74	34.77	53.13	55.17	45.55	74.00	-28.45 peak

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7 Test Setup Photo

Please refer to SZCR2504001740 Appendix_Setup Photo

8 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for SZCR2504001740WM

- End of the Report -



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