

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

Report No.: SZCR230300076202 Page: 1 of 26

TEST REPORT

Application No.:	SZCR2303000762AT
Applicant:	TuMundo Inc., DBA Pretty Smart Labs
Address of Applicant:	3704 Timson Ct Austin Texas 78731 United States
Equipment Under Test (EUT):
EUT Name:	Hoof Link Scanner
Model No.:	Hoof Link Scanner
Trade Mark:	Hoof Link Scanner
FCC ID:	2BAPHHL-SC-100-23
Standard(s) :	47 CFR Part 15, Subpart C 15.209
Date of Receipt:	2023-03-21
Date of Test:	2023-03-28 to 2023-04-21
Date of Issue:	2023-04-28
Test Result:	Pass*

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

Keny. Ku

Keny Xu EMC Laboratory Manager



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

Report No.: SZCR230300076202 Page: 2 of 26

	Revision Record						
Version	Version Chapter Date Modifier Rema						
01		2023-04-28		Original			

Authorized for issue by:		
	WinkeyWang	
	Winkey Wang/Project Engineer	
	Eric Fu	
	Eric Fu/Reviewer	



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

Report No.: SZCR230300076202 Page: 3 of 26

2 Test Summary

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

Radio Spectrum Matter Part						
Item	Standard	Method	Requirement	Result		
20dB Bandwidth		ANSI C63.10 (2013) Section 6.9	47 CFR Part 15, Subpart C 15.215	Pass		
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15,	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass		
Radiated Emissions (9kHz-30MHz)	Subpart C	ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.225(d) & 15.209	Pass		
Radiated Emissions (30MHz-1GHz)		ANSI C63.10 (2013) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.225(d) & 15.209	Pass		



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

Report No.: SZCR230300076202 Page: 4 of 26

3 Contents

			Page
1	Cove	r Page	1
2	Test	Summary	2
2	Test	Summary	
3	Conte	ents	4
4	Gene	ral Information	6
4			
		Details of E.U.T.	-
		Description of Support Units	
		Test Location	
		Test Facility	
		Deviation from Standards	
		Abnormalities from Standard Conditions	
_			
5	Equip	oment List	8
6	Radic	Spectrum Technical Requirement	
•		Antenna Requirement	
	6.1.1	Test Requirement:	
	6.1.2	Conclusion	
_	-		
7		Spectrum Matter Test Results	
	7.1 2	20dB Bandwidth	
	7.1.1	E.U.T. Operation	
	7.1.2	Test Mode Description	
	7.1.3	Test Setup Diagram	
	7.1.4	Measurement Procedure and Data	
		Conducted Emissions at Mains Terminals (150kHz-30MHz)	
	7.2.1	E.U.T. Operation	
	7.2.2	Test Mode Description	
	7.2.3 7.2.4	Test Setup Diagram Measurement Procedure and Data	
		Radiated Emissions (9kHz-30MHz)	
	7.3.1	E.U.T. Operation	
	7.3.2	•	
	7.3.3	Test Setup Diagram	
	7.3.4	Measurement Procedure and Data	
		Radiated Emissions (30MHz-1GHz)	
	7.4.1	E.U.T. Operation	
	7.4.2	Test Mode Description	
	7.4.3	Test Setup Diagram	
	7.4.4	Measurement Procedure and Data	22
8	Test S	Setup Photo	26



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 SZEMC-TRF-01
 Rev. A/0
 Aug01,2022
 Report No.:
 SZCR230300076202

 Page:
 5 of 26

9 EUT Constructional Details (EUT Photos)26



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

Report No.: SZCR230300076202 Page: 6 of 26

4 General Information

4.1 Details of E.U.T.

Power supply:	Charging input 5Vdc via Type-C port,	
	rechargeable battery inside: 3.7Vdc, 2000mAh	
Cable(s):	USB cable: 1.2m, unshielded	
Operation Frequency:	120-150KHz	
Modulation Type:	ООК	
Antenna Type:	Loop antenna	

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	The EUT has been tested as an independent unit.							

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
20dB Bandwidth	± 3%
Conducted Emissions at Mains Terminals (150kHz-30MHz)	± 3.0dB
Radiated Emissions (30MHz-1GHz)	± 4.5dB (Below 1GHz)
Radiated Emissions (9kHz-30MHz)	± 4.5dB (Below 1GHz)

Remark:

The Ulab (lab Uncertainty) is less than Ucispr/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/0 Aug01,2022

Report No.: SZCR230300076202 Page: 7 of 26

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

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

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• 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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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230300076202 Page: 8 of 26

Equipment List 5

Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13	
Rohde&Schwarz	ESCI	SEM004-02	2023-03-20	2024-03-19	
AUDIX	e3 V8.2014-6- 27a	N/A	N/A	N/A	
SGS	N/A	SEM024-01	2022-07-08	2023-07-07	
Rohde&Schwarz	ENV216	SEM007-01	2022-09-20	2023-09-19	
ETS-LINDGREN	3816/2	SEM007-02	2023-03-20	2024-03-19	
Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19	
KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20	
TST PASS	TST PASS V2.0	N/A	N/A	N/A	
SGS	N/A	SEM031-01	2022-07-08	2023-07-07	
Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30	
Hz-30MHz)					
Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
SAEMC	FSAC1018	2021-03-27	2024-03-26	2021-03-27	
KEYSIGHT	N9038A	2022-10-20	2023-10-19	2022-10-20	
Sonoma Instrument Co	310N	2023-03-20	2024-03-19	2023-03-20	
ETS-Lindgren	6502	SEM003-08	2020-08-14	2023-08-13	
AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
SGS	N/A	SEM029-01	2022-07-08	2023-07-07	
	Manufacturer ZhongYu Electron Rohde&Schwarz AUDIX SGS Rohde&Schwarz ETS-LINDGREN Manufacturer Chroma KEYSIGHT TST PASS SGS Huber+Suhner Hz-30MHz) Manufacturer SAEMC KEYSIGHT Sonoma Instrument Co ETS-Lindgren	ManufacturerModel No.ZhongYu ElectronGB-88Rohde&SchwarzESCIAUDIXe3 V8.2014-6- 27aSGSN/ARohde&SchwarzENV216ETS-LINDGREN3816/2ManufacturerModel No.Chroma62012P-80-60KEYSIGHTN9020ATST PASSV2.0SGSN/AHuber+Suhner6620_SMA-50- 1Hz-30MHz)Model NoKEYSIGHTN9038ASonoma Instrument Co310NETS-Lindgren6502AUDIXe3 V8.2014-6-	ManufacturerModel No.Inventory No.ZhongYu ElectronGB-88SEM001-06Rohde&SchwarzESCISEM004-02AUDIXe3 V8.2014-6- 27aN/ASGSN/ASEM024-01Rohde&SchwarzENV216SEM007-01ETS-LINDGREN3816/2SEM007-02ManufacturerModel No.Inventory No.Chroma62012P-80-60SEM011-11KEYSIGHTN9020ASEM004-19TST PASSV2.0N/ASGSN/ASEM031-01Huber+Suhner6620_SMA-50- 1SEM021-09Hz-30MHz)Model NoInventory NoSAEMCFSAC10182021-03-27KEYSIGHTN9038A2022-10-20Sonoma Instrument Co310N2023-03-20ETS-Lindgren6502SEM003-08AUDIXe3 V8.2014-6- N/AN/A	Manufacturer Model No. Inventory No. Cal Date ZhongYu Electron GB-88 SEM001-06 2022-05-14 Rohde&Schwarz ESCI SEM004-02 2023-03-20 AUDIX e3 V8.2014-6- 27a N/A N/A SGS N/A SEM024-01 2022-07-08 Rohde&Schwarz ENV216 SEM007-01 2022-09-20 ETS-LINDGREN 3816/2 SEM007-02 2023-03-20 Manufacturer Model No. Inventory No. Cal Date Chroma 62012P-80-60 SEM011-11 2022-10-20 KEYSIGHT N9020A SEM004-19 2023-03-21 TST PASS V2.0 N/A N/A SGS N/A SEM004-19 2023-03-21 TST PASS V2.0 N/A N/A SGS N/A SEM021-09 2023-03-21 Huber+Suhner 6620_SMA-50- 1 SEM021-09 2023-03-31 Hz-30MHz) SEM021-09 2023-03-26 KEYSIGHT Model No <t< td=""></t<>	

Radiated Emissions (30MHz-1GHz)						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2021-03-27	2024-03-26	
MXE EMI receiver	KEYSIGHT	N9038A	SEM004-16	2022-10-20	2023-10-19	
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-18	2021-10-28	2023-10-27	
Pre-amplifier	Sonoma Instrument Co	310N	SEM005-04	2023-03-20	2024-03-19	



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

Report No.: SZCR230300076202 Page: 9 of 26

Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2022-07-08	2023-07-07

General used equipment									
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date				
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2022-09-04	2023-09-03				
Humidity/ Temperature Indicator	Anymetre	TH101B	SEM002-09	2022-09-04	2023-09-03				
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2023-03-23	2024-03-22				



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

Report No.: SZCR230300076202 Page: 10 of 26

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.

Antenna location: Refer to Internal photos



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

Report No.: SZCR230300076202 Page: 11 of 26

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

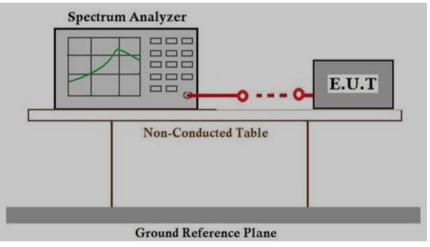
7.1.1 E.U.T. Operation

Operating Enviro	nment:					
Temperature:	25.2 °C	Humidity:	58.6 % RH	Atmospheric Pressure:	1015	mbar

7.1.2 Test Mode Description

/ Final test	Mode Code	Description
Pre-scan	00	Charging & TX mode with modulation
Final test	01	TX mode with modulation_battery

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

The useful radiated emission from the EUT was detected by the spectrum analyser with peak detector.

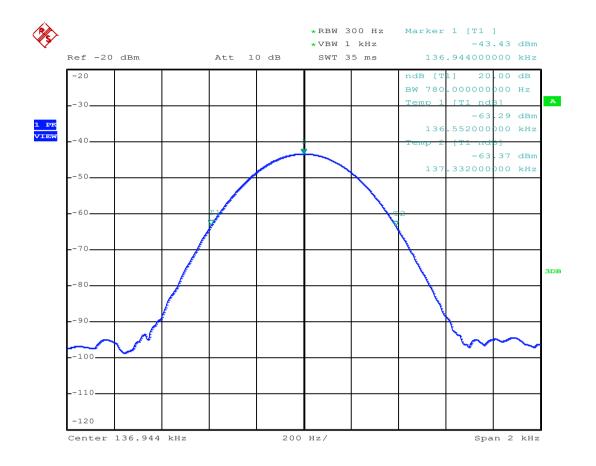


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Report No.: SZCR230300076202 Page: 12 of 26



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

Report No.: SZCR230300076202 Page: 13 of 26

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

Test Requirement	47 CFR Part 15, Subpart C 15.207
Test Method:	ANSI C63.10 (2013) Section 6.2

Limit:

	Limit (dE	3uV)	
Frequency range (MHz)	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.

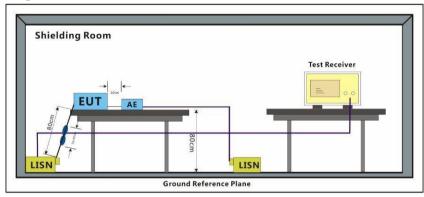
7.2.1 E.U.T. Operation

Operating Enviro	nment:						
Temperature:	22.1 °C	Humidity:	51	% RH	Atmospheric Pressure:	1015	mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	Charging & TX mode with modulation

7.2.3 Test Setup Diagram







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

Report No.: SZCR230300076202 Page: 14 of 26

7.2.4 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/50 μ H + 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: LISN=Read Level+ Cable Loss+ LISN Factor



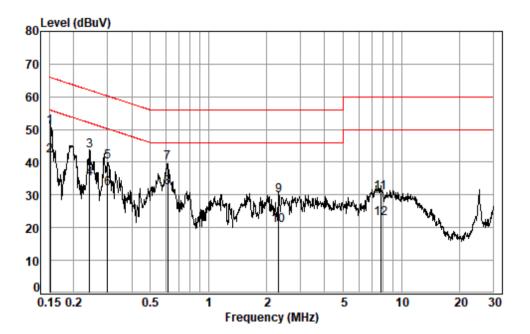
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230300076202 Page: 15 of 26



Test Mode: 00; Line: Live line

Site :	Shielding	Room
Condition:	Line	
Job No. :	00762AT	
Test mode:	00	

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
-	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1516	0.03	9.76	40.94	50.73	65.91	-15.18	QP
2	0.1516	0.03	9.76	32.27	42.06	55.91	-13.85	Average
3	0.2416	0.04	9.76	33.68	43.48	62.04	-18.56	QP
4	0.2416	0.04	9.76	25.08	34.88	52.04	-17.16	Average
5	0.3003	0.04	9.76	30.49	40.29	60.24	-19.95	QP
6	0.3003	0.04	9.76	22.26	32.06	50.24	-18.18	Average
7	0.6140	0.06	9.77	30.05	39.88	56.00	-16.12	QP
8 *	0.6140	0.06	9.77	22.35	32.18	46.00	-13.82	Average
9	2.3090	0.11	9.83	19.72	29.66	56.00	-26.34	QP
10	2.3090	0.11	9.83	10.70	20.64	46.00	-25.36	Average
11	7.8102	0.19	10.09	20.54	30.82	60.00	-29.18	QP
12	7.8102	0.19	10.09	12.51	22.79	50.00	-27.21	Average



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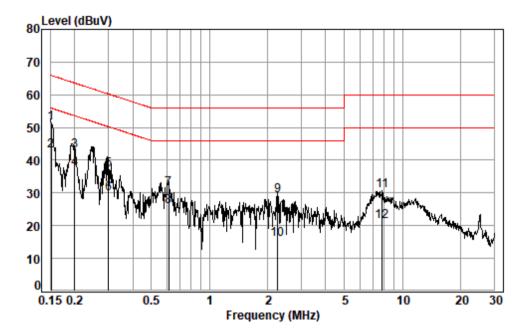
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230300076202 Page: 16 of 26





Site :	Shielding	Room
Condition:	Neutral	
Job No. :	00762AT	
Test mode:	00	

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1516	0.03	9.74	41.50	51.27	65.91	-14.64	QP
2 *	0.1516	0.03	9.74	33.25	43.02	55.91	-12.89	Average
3	0.2007	0.04	9.73	32.99	42.76	63.58	-20.82	QP
4	0.2007	0.04	9.73	27.51	37.28	53.58	-16.30	Average
5	0.3003	0.04	9.73	27.44	37.21	60.24	-23.03	QP
6	0.3003	0.04	9.73	19.91	29.68	50.24	-20.56	Average
7	0.6140	0.06	9.74	21.58	31.38	56.00	-24.62	QP
8	0.6140	0.06	9.74	15.91	25.71	46.00	-20.29	Average
9	2.2606	0.11	9.80	19.18	29.09	56.00	-26.91	QP
10	2.2606	0.11	9.80	5.82	15.73	46.00	-30.27	Average
11	7.8516	0.19	10.13	20.33	30.65	60.00	-29.35	QP
12	7.8516	0.19	10.13	10.83	21.15	50.00	-28.85	Average



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

Report No.: SZCR230300076202 Page: 17 of 26

7.3 Radiated Emissions (9kHz-30MHz)

Test Requirement	47 CFR Part 15, Subpart C 15.209
Test Method:	ANSI C63.10 (2013) Section 6.4
Measurement Distance:	3m

Limit:

Frequency(MHz)	Field strength (microvolts/meter)	Limit (dBuV/m)	Detector	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	-	-	300
0.490-1.705	24000/F(kHz)	-	-	30
1.705-30	30	-	-	30

Below 30MHz

If field strength is measured at only a single point, then that point shall be at the radial from the EUT that produces the maximum emission at the frequency being measured, as described in 5.4. If that point is closer to the EUT than $\lambda/2\pi$ and the limit distance is greater than $\lambda/2\pi$, the measurement shall be extrapolated to the limit distance by conservatively presuming that the field strength decreases at a 40 dB/decade of distance rate to the $\lambda/2\pi$ distance, and at a 20 dB/decade of distance rate beyond $\lambda/2\pi$. This shall be accomplished using Equation (2):

$$FS_{(10m)} = FS_{(30/300m)} + 40\log\{d_{(near field)}/d_{(10m)}\} + 20\log\{d_{(30/300m)}/d_{(near field)}\}$$
(2)

If the single point measured is at a distance greater than $\lambda/2\pi$, then extrapolation to the limit distance shall be calculated using Equation (3):

$$FS_{(10m)} = FS_{(30/300m)} + 20log\{d_{(30/300m)}/d_{(10m)}\}$$
(3)

If both the single point and the limit distance are equal to or closer to the EUT than $\lambda/2\pi$, then extrapolation to the limit distance shall be calculated using Equation (4):

$$FS_{(10m)} = FS_{(30/300m)} + 40 \log\{d_{(30/300m)}/d_{(10m)}\}$$
(4)

Remark:

 $d_{near field} = 47.77 / f_{MHz}$ where f_{MHz} is the frequency of the emission being measured in MHz.

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor



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

Report No.: SZCR230300076202 Page: 18 of 26

$$FS_{\text{limit}} = FS_{\text{max}} - 40 \log \left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

where

FS_{limit}	is the calculation of field strength at the limit distance, expressed in $dB\mu V/m$
FS_{max}	is the measured field strength, expressed in $dB\mu V/m$
d_{measure}	is the distance of the measurement point from the EUT
d_{limit}	is the reference distance or the distance of the $\lambda/2\pi$ point

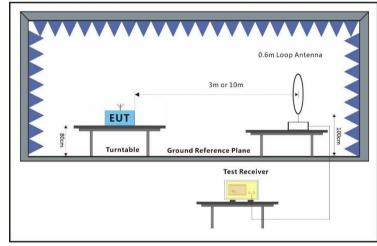
7.3.1 E.U.T. Operation

Operating Enviro	nment:					
Temperature:	23.6 °C	Humidity:	49.5 % RH	Atmospheric Pressure:	1015	mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Charging & TX mode with modulation
Final test	01	TX mode with modulation_battery

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

For testing performed with the loop antenna, the center of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specified distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane. Only the worst position of vertical was shown in the report.

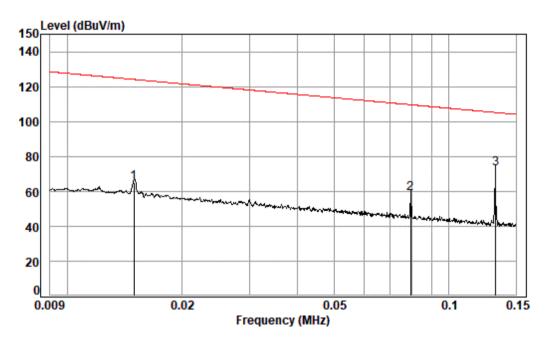




SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230300076202 Page: 19 of 26

Test Mode: 01; Polarity: Vertical



Condition: 3m Job No. : 00762AT Test Mode: 01

	Freq		Ant Factor							TPOS	APos
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		deg	cm
1	0.015	80.41	15.99	0.09	31.71	64.78	124.10	-59.32	Av	0	99
2	0.079	80.53	10.60	0.14	32.47	58.80	109.60	-50.80	Av	0	99
з рр	0.133	94.76	10.43	0.17	32.50	72.86	105.15	-32.29	Av	0	99



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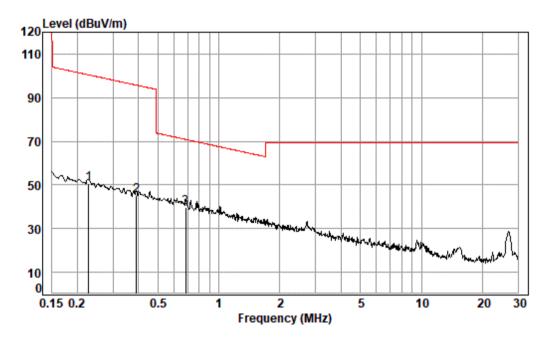
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230300076202 Page: 20 of 26

Test Mode: 01; Polarity: Vertical



Condition: 3m Job No. : 00762AT Test Mode: 01

	Freq		Ant Factor							TPOS	APos
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		deg	cm
1	0.228	72.62	10.36	0.18	32.50	50.66	100.44	-49.78	Av	0	99
2	0.391	67.27	10.31	0.21	32.50	45.29	95.75	-50.46	Av	0	99
з рр	0.686	61.47	10.29	0.25	32.50	39.51	70.86	-31.35	QP	0	99



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Report No.: SZCR230300076202 Page: 21 of 26

7.4 Radiated Emissions (30MHz-1GHz)

Test Requirement	47 CFR Part 15, Subpart C 15.209
Test Method:	ANSI C63.10 (2013) Section 6.5
Measurement Distance:	10m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
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 above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.4.1 E.U.T. Operation

Operating Environment:

Temperature:	23.5 °C	Humidity:	47.5 % RH	Atmospheric Pressure:	1015	mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Charging & TX mode with modulation
Final test	01	TX mode with modulation_battery



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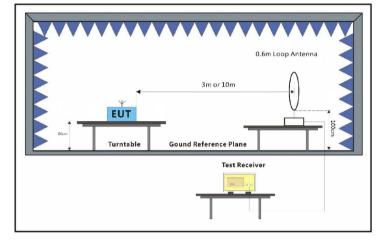
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230300076202 Page: 22 of 26

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground for below 1GHz at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 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 peak, quasi-peak or average method as specified and then reported in a data sheet. g. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report. Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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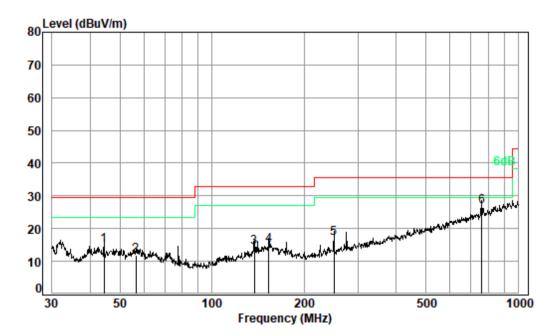
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230300076202 Page: 23 of 26

Test Mode: 01; Polarity: Horizontal



Condition: 10m HORIZONTAL Job No. : 00762AT Test Mode: 01

		Read	Ant	Cable	Preamp		Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-									
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	44.431	29.38	17.28	0.60	32.42	14.84	29.50	-14.66	QP
2	56.395	26.37	17.30	0.64	32.40	11.91	29.50	-17.59	QP
3	137.420	28.98	16.80	0.96	32.40	14.34	33.00	-18.66	QP
4	153.200	28.56	17.83	1.02	32.40	15.01	33.00	-17.99	QP
5	250.301	32.04	16.15	1.32	32.40	17.11	35.60	-18.49	QP
6 pp	760.704	31.00	25.83	2.28	32.38	26.73	35.60	-8.87	Q P



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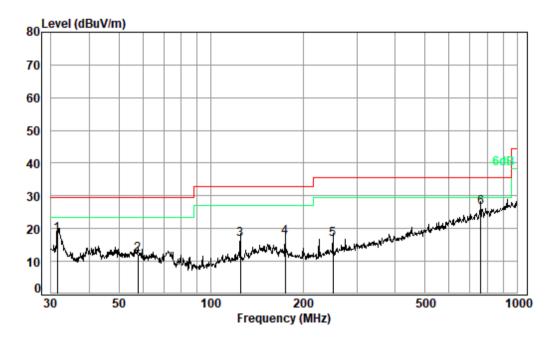
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230300076202 Page: 24 of 26

Test Mode: 01; Polarity: Vertical



Condition: 10m VERTICAL Job No. : 00762AT Test Mode: 01

	Enor		Ant						Romank
	Freq	Level	Factor	LOSS	Factor	Level	LTHE	LIMIC	Kelliark
-	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	31.510	33.66	16.28	0.67	32.46	18.15	29.50	-11.35	QP
2	57.796	26.75	17.27	0.65	32.40	12.27	29.50	-17.23	QP
3	125.007	32.80	15.35	0.92	32.40	16.67	33.00	-16.33	QP
4	175.037	32.36	16.16	1.10	32.40	17.22	33.00	-15.78	QP
5	250.301	31.58	16.15	1.32	32.40	16.65	35.60	-18.95	QP
6 pp	760.704	30.67	25.83	2.28	32.38	26.40	35.60	-9.20	QP



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

Report No.: SZCR230300076202 Page: 25 of 26

The test was performed at a 10m test site. According to below formulate and the test data at 10m test distance,

 $L_3 / L_{10} = D_{10} / D_3$

Note:

L3: Level @ 3m distance. Unit: uV/m;

L10: Level @ 10m distance. Unit: uV/m;

D₃: 3m distance. Unit: m

D10: 10m distance. Unit: m

The level at 3m test distance is below:

Frequency (MHz)	Level @ 10m (dBuV/m)	Level @ 10m (uV/m)	Level @ 3m (uV/m)	Level @ 3m (dBuV/m)	Limit @ 3m (dBuV/m)	Margin (dB)	Ant. Polarization
44.431	14.84	5.52	18.40	25.30	40.00	-14.70	Н
56.395	11.91	3.94	13.13	22.37	40.00	-17.63	Н
137.420	14.34	5.21	17.37	24.80	43.50	-18.70	Н
153.200	15.01	5.63	18.77	25.47	43.50	-18.03	Н
250.301	17.11	7.17	23.90	27.57	46.00	-18.43	Н
760.704	26.73	21.70	72.34	37.19	46.00	-8.81	Н
31.510	18.15	8.08	26.94	28.61	40.00	-11.39	V
57.796	12.27	4.11	13.69	22.73	40.00	-17.27	V
125.007	16.67	6.82	22.72	27.13	43.50	-16.37	V
175.037	17.22	7.26	24.20	27.68	43.50	-15.82	V
250.301	16.65	6.80	22.67	27.11	46.00	-18.89	V
760.704	26.40	20.89	69.64	36.86	46.00	-9.14	V



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

Report No.: SZCR230300076202 Page: 26 of 26

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2303000762AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for SZCR2303000762AT.

- End of the Report -



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