

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

Report No.: SZCR230500164301

Page: 1 of 63

TEST REPORT

Application No.: SZCR2305001643AT

Applicant: Anker Innovations Limited

Address of Applicant: Room 1318-19, Hollywood Plaza 610 Nathan Road, Mongkok, Kowloon,

Hong Kong

Manufacturer: Anker Innovations Limited

Address of Manufacturer: Room 1318-19, Hollywood Plaza 610 Nathan Road, Mongkok, Kowloon,

Hong Kong

Equipment Under Test (EUT):

EUT Name: Anker 767 Portable Power Station(GaNPrime PowerHouse 2048Wh)

Model No.: A1780 Trade Mark: Anker

FCC ID: 2AOKB-A1780

47 CFR Part 15, Subpart C 15.247 Standard(s):

Date of Receipt: 2023-05-26

2023-05-30 to 2023-06-10 Date of Test:

Date of Issue: 2023-06-15

Test Result: Pass*

Keny Xu **EMC Laboratory Manager**



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



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

Report No.: SZCR230500164301

Page: 2 of 63

	Revision Record						
Version	Chapter	Date	Modifier	Remark			
01		2023-06-15		Original			

Authorized for issue by:		
	Charle Doi	
	Charlie Dai/Project Engineer	
	Exic Fu	
	Eric Fu/Reviewer	



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

Report No.: SZCR230500164301

Page: 3 of 63

2 **Test Summary**

Radio Spectrum Technical Requirement							
Item	Standard	Method	Requirement	Result			
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass			

Radio Spectrum Matter Part					
Item	Standard	Method	Requirement	Result	
Conducted Emissions at AC Power Line (150kHz-30MHz)		ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass	
Conducted Peak Output Power		ANSI C63.10 (2013) Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass	
Minimum 6dB Bandwidth		ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass	
Power Spectrum Density		ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass	
Conducted Band Edges Measurement	47 CFR Part 15,	ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass	
Conducted Spurious Emissions	Subpart C 15.247	ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass	
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass	
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass	
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass	



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

Report No.: SZCR230500164301

Page: 4 of 63

3 Contents

		Page
1	1 Cover Page	1
2	2 Test Summary	3
3	•	
3	5 Contents	4
4	4 General Information	6
	4.1 Details of E.U.T.	€
	4.2 Description of Support Units	6
	4.3 Measurement Uncertainty	6
	4.4 Test Location	8
	4.5 Test Facility	
	4.6 Deviation from Standards	
	4.7 Abnormalities from Standard Conditions	8
5	5 Equipment List	9
_	C. Dadia Chasterina Tashmisal Dagurinamant	40
6	·	
	6.1 Antenna Requirement	
	6.1.1 Test Requirement:	
	6.1.2 Conclusion	12
7	7 Radio Spectrum Matter Test Results	13
	7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)	13
	7.1.1 E.U.T. Operation	
	7.1.2 Test Mode Description	13
	7.1.3 Test Setup Diagram	14
	7.1.4 Measurement Procedure and Data	
	7.2 Conducted Peak Output Power	17
	7.2.1 E.U.T. Operation	
	7.2.2 Test Mode Description	
	7.2.3 Test Setup Diagram	
	7.2.4 Measurement Procedure and Data	
	7.3 Minimum 6dB Bandwidth	
	7.3.1 E.U.T. Operation	
	7.3.2 Test Mode Description	
	7.3.3 Test Setup Diagram	
	7.3.4 Measurement Procedure and Data	
	7.4 Power Spectrum Density	
	7.4.1 E.U.T. Operation	
	7.4.2 Test Mode Description	
	7.4.4 Magaurement Procedure and Data	
	7.4.4 Measurement Procedure and Data	
	7.5 Conducted Band Edges Measurement	
	7.5.1 E.U.T. Operation	ا کے۔۔۔۔۔۔۔۔۔۔۔۔۔۔ ا



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

Report No.: SZCR230500164301

Page: 5 of 63

	7.5.2	Test Mode Description	2
	7.5.3	Test Setup Diagram	
	7.5.4	Measurement Procedure and Data	22
7.	6 C	Conducted Spurious Emissions	23
	7.6.1	E.U.T. Operation	
	7.6.2	Test Mode Description	23
	7.6.3	Test Setup Diagram	23
	7.6.4	Measurement Procedure and Data	24
7.	7 F	Radiated Emissions which fall in the restricted bands	25
	7.7.1	E.U.T. Operation	25
	7.7.2	Test Mode Description	25
	7.7.3	Test Setup Diagram	26
	7.7.4	Measurement Procedure and Data	26
7.	8 F	Radiated Spurious Emissions Below 1GHz	31
	7.8.1	E.U.T. Operation	31
	7.8.2	Test Mode Description	31
	7.8.3	Test Setup Diagram	32
	7.8.4	Measurement Procedure and Data	32
7.9	9 F	Radiated Spurious Emissions Above 1GHz	35
	7.9.1	E.U.T. Operation	35
	7.9.2	Test Mode Description	35
	7.9.3	Test Setup Diagram	35
	7.9.4	Measurement Procedure and Data	36
8	Test S	Setup Photo	43
9	EUT C	Constructional Details (EUT Photos)	43
10	Apper	ndix	44



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

Report No.: SZCR230500164301

Page: 6 of 63

General Information

Details of E.U.T. 4.1

AC input 120V 60Hz Max. 12A
Solar/ Car input: 11-32V 10A, 32-60V 20A 1000W Max.
USB-C output: 5V/3A, 9V/3A, 15V/3A, 20V/3A, 20V/5A (100W Max Per Port).
USB-A output: 5V/2.4A (2.4A Max. Per Port)
AC output:120V 20A 60Hz 2400W Max.
Car charger output: 12V/10A Max.
AC cable 125cm unshielded
Car input cable 314cm unshielded
Solar input cable 50cm
2402MHz to 2480MHz
V5.0 LE
GFSK
1Mbps
40
2MHz
PCB Antenna
1.72dBi

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	on Manufacturer Mod		Serial No.			
The EUT has been tested as an independent unit.						

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.1dB
Conducted Peak Output Power	± 0.75dB
Minimum 6dB Bandwidth	± 3%
Power Spectrum Density	± 2.84dB
Conducted Band Edges Measurement	± 0.75dB
Conducted Spurious Emissions	± 0.75dB
Radiated Emissions which fall in the restricted bands	± 6.0dB (Below 1GHz);± 4.6dB
Nadiated Emissions which fall in the restricted bands	(Above 1GHz)
Radiated Spurious Emissions Below 1GHz	\pm 6.0dB for 3m; \pm 5.0dB for 10m



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

Report No.: SZCR230500164301

Page: 7 of 63

Radiated Spurious Emissions Above 1GHz

 \pm 4.6dB (1-18GHz); \pm 4.8dB (18-

40GHz)

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.: SZCR230500164301

Page: 8 of 63

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, Nanshan District, 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.: SZCR230500164301

Page: 9 of 63

5 **Equipment List**

Conducted Emissions at AC Power Line (150kHz-30MHz)						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13	
EMI Test Receiver	Rohde&Schwarz	ESCI	SEM004-02	2023-03-20	2024-03-19	
Measurement Software	AUDIX	e3 V8.2014-6- 27a	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM024-01	2022-07-08	2023-07-07	
LISN	Rohde&Schwarz	ENV216	SEM007-01	2022-09-20	2023-09-19	
LISN	ETS-LINDGREN	3816/2	SEM007-02	2023-03-20	2024-03-19	

Conducted Peak Output Power						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2023-04-01	2024-03-31	
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2023-03-21	2024-03-20	
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19	
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20	
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07	
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30	

Minimum 6dB Bandwidth							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date		
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19		
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20		
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A		
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07		
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30		

Power Spectrum Density											
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date						
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19						
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20						
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A						
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07						



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

Report No.: SZCR230500164301

Page: 10 of 63

Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30
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Conducted Band Edges Measurement											
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date						
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19						
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20						
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A						
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07						
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30						

Conducted Spurious Emissions										
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date					
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19					
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20					
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A					
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07					
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30					

Radiated Emissions which fall in the restricted bands											
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date						
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2022-04-02	2025-04-01						
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19						
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2022-07-24	2024-07-23						
Microwave system amplifier	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20						
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A						
Coaxial Cable	SGS	N/A	SEM026-01	2022-07-08	2023-07-07						
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2022-08-10	2024-08-09						
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2023-03-20	2024-03-19						



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

Report No.: SZCR230500164301

Page: 11 of 63

Radiated Spurious Emissions Below 1GHz											
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date						
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2021-11-30	2023-11-29						
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020-07-19	2023-07-18						
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2022-10-20	2023-10-19						
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2021-09-17	2023-09-16						
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19						
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A						
Coaxial Cable	SGS	N/A	SEM025-01	2022-07-08	2023-07-07						

Radiated Spurious Emissions Above 1GHz											
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date						
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2022-04-02	2025-04-01						
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19						
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2022-07-24	2024-07-23						
Microwave system amplifier	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20						
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A						
Coaxial Cable	SGS	N/A	SEM026-01	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.: SZCR230500164301

Page: 12 of 63

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

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 1.72dBi.

Antenna location: Refer to internal photos



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Report No.: SZCR230500164301

Page: 13 of 63

7 Radio Spectrum Matter Test Results

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

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

Limit:

Fraguency of emission/MUs	Conducted limit(dBµV)							
Frequency of emission(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.								
Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz								

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.8 °C Humidity: 43.3 % RH Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

7.11.2 100011	.040 20	son paon
Pre-scan / Final test	Mode Code	Description
Final test	02	Charge + TX mode(1Mbps)_Keep the EUT in charging and continuously transmitting mode with GFSK modulation.



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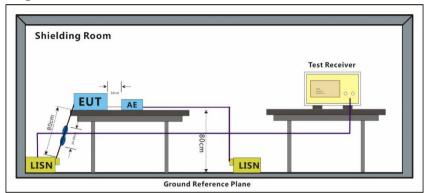


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 14 of 63

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 $50 \text{ohm}/50 \mu\text{H} + 5 \text{ohm}$ 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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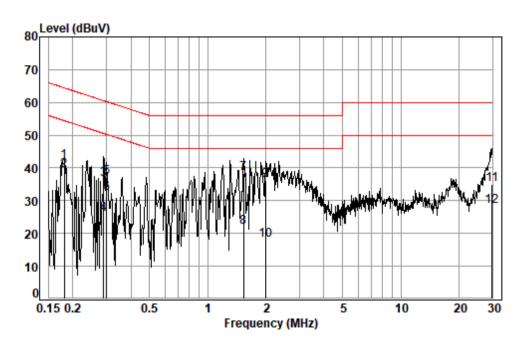


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 15 of 63

Test Mode: 02; Line: Live line



: Shielding Room

Condition: Line Job No. : 01643AT

Test mode: 02

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	-	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.1806	0.03	9.62	32.47	42.12	64.46	-22.34	QP
2	*	0.1806	0.03	9.62	29.55	39.20	54.46	-15.26	Average
3		0.2893	0.04	9.62	26.71	36.37	60.54	-24.17	QP
4		0.2893	0.04	9.62	16.32	25.98	50.54	-24.56	Average
5		0.3003	0.04	9.62	27.43	37.09	60.24	-23.15	QP
6		0.3003	0.04	9.62	22.44	32.10	50.24	-18.14	Average
7	*	1.5355	0.09	9.63	28.48	38.20	56.00	-17.80	QP
8		1.5355	0.09	9.63	12.14	21.86	46.00	-24.14	Average
9		1.9906	0.10	9.64	26.52	36.26	56.00	-19.74	QP
10		1.9906	0.10	9.64	8.16	17.90	46.00	-28.10	Average
11		29.6838	0.38	10.18	24.48	35.04	60.00	-24.96	QP
12		29.6838	0.38	10.18	17.70	28.26	50.00	-21.74	Average



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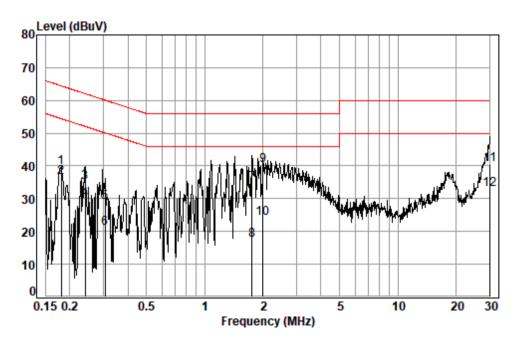


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Report No.: SZCR230500164301

Page: 16 of 63

Test Mode: 02; Line: Neutral Line



: Shielding Room

Condition: Neutral Job No. : 01643AT

Test mode: 02

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1806	0.03	9.62	30.01	39.66	64.46	-24.80	QP
2	0.1806	0.03	9.62	26.87	36.52	54.46	-17.94	Average
3	0.2404	0.04	9.62	25.17	34.83	62.08	-27.25	QP
4	0.2404	0.04	9.62	20.26	29.92	52.08	-22.16	Average
5	0.3051	0.04	9.62	19.38	29.04	60.10	-31.06	QP
6	0.3051	0.04	9.62	11.40	21.06	50.10	-29.04	Average
7	1.7623	0.10	9.64	24.87	34.61	56.00	-21.39	QP
8	1.7623	0.10	9.64	7.59	17.33	46.00	-28.67	Average
9 *	2.0012	0.10	9.64	30.54	40.28	56.00	-15.72	QP
10	2.0012	0.10	9.64	14.19	23.93	46.00	-22.07	Average
11	30.0000	0.38	10.47	29.47	40.32	60.00	-19.68	QP
12 *	30.0000	0.38	10.47	22.04	32.89	50.00	-17.11	Average



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Report No.: SZCR230500164301

Page: 17 of 63

7.2 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3) Test Method: ANSI C63.10 (2013) Section 11.9.1

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)				
	1 for ≥50 hopping channels				
902-928	0.25 for 25≤ hopping channels <50				
	1 for digital modulation				
	1 for ≥75 non-overlapping hopping channels				
2400-2483.5	0.125 for all other frequency hopping systems				
	1 for digital modulation				
5725-5850	1 for frequency hopping systems and digital modulation				

7.2.1 E.U.T. Operation

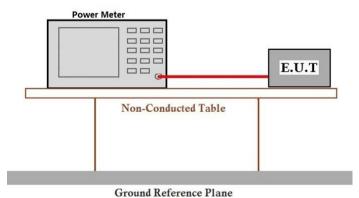
Operating Environment:

Temperature: 28.4 °C Atmospheric Pressure: 1010 mbar Humidity: 44.1 % RH

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.2.3 Test Setup Diagram





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

Report No.: SZCR230500164301

Page: 18 of 63

7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

Report No.: SZCR230500164301

Page: 19 of 63

7.3 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2)
Test Method: ANSI C63.10 (2013) Section 11.8.1

Limit:

≥500 kHz

7.3.1 E.U.T. Operation

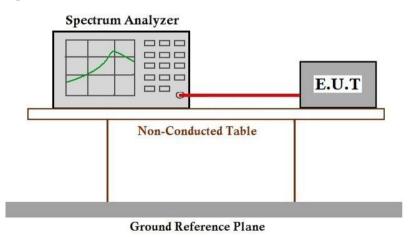
Operating Environment:

Temperature: 28.4 °C Humidity: 44.1 % RH Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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Report No.: SZCR230500164301

Page: 20 of 63

7.4 Power Spectrum Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e)
Test Method: ANSI C63.10 (2013) Section 11.10.2

Limit:

≤8dBm in any 3 kHz band during any time interval of continuous transmission

7.4.1 E.U.T. Operation

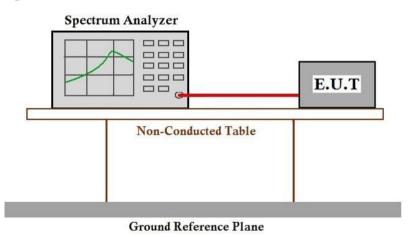
Operating Environment:

Temperature: 28.4 °C Humidity: 44.1 % RH Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

Report No.: SZCR230500164301

Page: 21 of 63

7.5 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)
Test Method: ANSI C63.10 (2013) Section 11.13.3.2

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

7.5.1 E.U.T. Operation

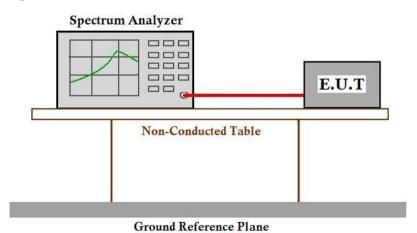
Operating Environment:

Temperature: 28.4 °C Humidity: 44.1 % RH Atmospheric Pressure: 1010 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.5.3 Test Setup Diagram



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

Report No.: SZCR230500164301

Page: 22 of 63

7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

Report No.: SZCR230500164301

Page: 23 of 63

7.6 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d) Test Method: ANSI C63.10 (2013) Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

7.6.1 E.U.T. Operation

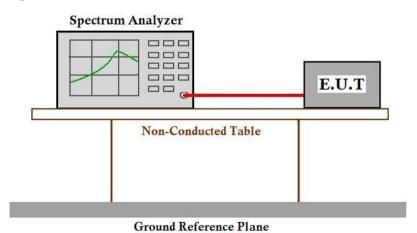
Operating Environment:

Temperature: 28.4 °C Humidity: 44.1 % RH Atmospheric Pressure: 1010 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.

7.6.3 Test Setup Diagram





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

Report No.: SZCR230500164301

Page: 24 of 63

7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

Report No.: SZCR230500164301

Page: 25 of 63

7.7 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

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
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.

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C Humidity: 56.6 % RH Atmospheric Pressure: 1010 mbar

7.7.2 Test Mode Description

This root mode boothphon									
Pre-scan / Final test	Mode Code	Description							
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.							
Pre-scan	02	Charge + TX mode(1Mbps)_Keep the EUT in charging and continuously transmitting mode with GFSK modulation.							



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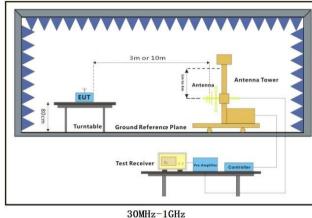


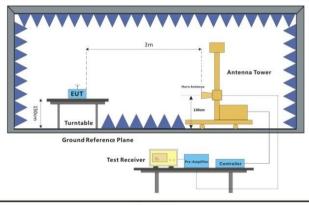
SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 26 of 63

7.7.3 Test Setup Diagram





1GHz Above 1GHz

7.7.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.
- Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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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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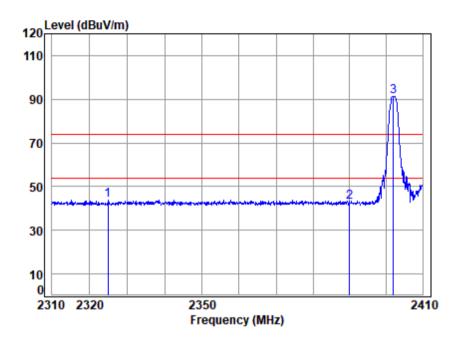


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 27 of 63

Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

Job No : 01643AT

Mode : 2402 Band edge

Note : BLE

	Freq			Preamp Factor					
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2324.830	4.18	28.50	35.66	46.98	44.00	74.00	-30.00	peak
2	2390.000	4.25	28.76	35.64	45.70	43.07	74.00	-30.93	peak
3 q	2402.000	4.26	28.81	35.64	94.00	91.43	74.00	17.43	peak



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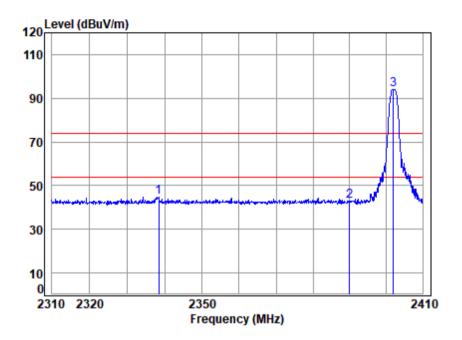


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 28 of 63

Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 01643AT

Mode : 2402 Band edge

Note : BLE

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2338.367	4.20	28.55	35.66	47.69	44.78	74.00	-29.22	peak
2	2390.000	4.25	28.76	35.64	45.41	42.78	74.00	-31.22	peak
3 q	2402.000	4.26	28.81	35.64	96.76	94.19	74.00	20.19	peak



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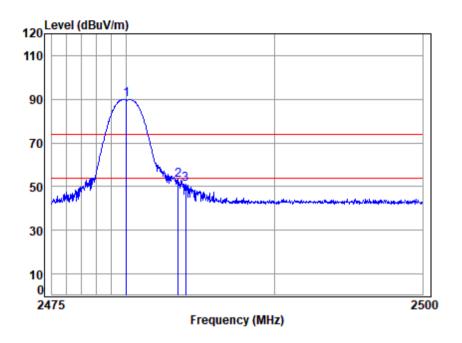


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 29 of 63

Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:High



Site : chamber

Condition: 3m HORIZONTAL

Job No : 01643AT

Mode : 2480 Band edge

Note : BLE

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	2480.000	4.34	29.28	35.61	91.78	89.79	74.00	15.79	peak
2	2483.500	4.34	29.30	35.61	55.08	53.11	74.00	-20.89	peak
3	2483.996	4.34	29.30	35.61	53.29	51.32	74.00	-22.68	peak



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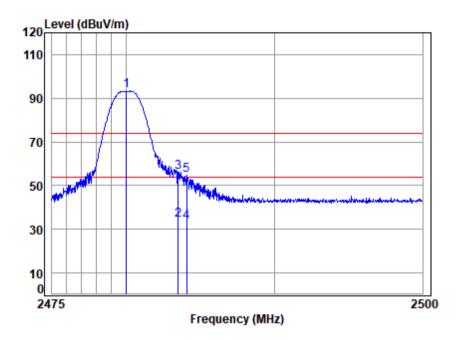


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 30 of 63

Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 01643AT

Mode : 2480 Band edge

Note : BLE

	Freq			Preamp Factor					Remark
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	2480.000			35.61					•
2 q	2483.500	4.34	29.30	35.61	36.00	34.03	54.00	-19.97	Average
3	2483.500	4.34	29.30	35.61	58.08	56.11	74.00	-17.89	peak
4	2484.071	4.34	29.31	35.61	35.26	33.30	54.00	-20.70	Average
5	2484.071	4.34	29.31	35.61	56.58	54.62	74.00	-19.38	peak



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

Report No.: SZCR230500164301

Page: 31 of 63

7.8 Radiated Spurious Emissions Below 1GHz

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

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 22.1 °C Humidity: 41.2 % RH Atmospheric Pressure: 1010 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	02	Charge + TX mode(1Mbps)_Keep the EUT in charging and continuously transmitting mode with GFSK modulation.



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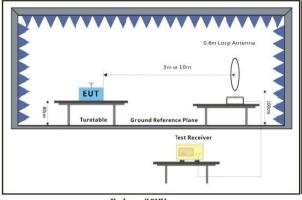


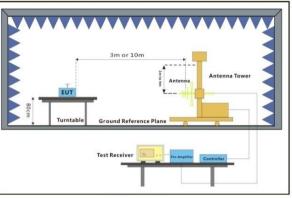
SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 32 of 63

7.8.3 Test Setup Diagram





Below 30MHz

30MHz-1GHz

7.8.4 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. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete. Remark:
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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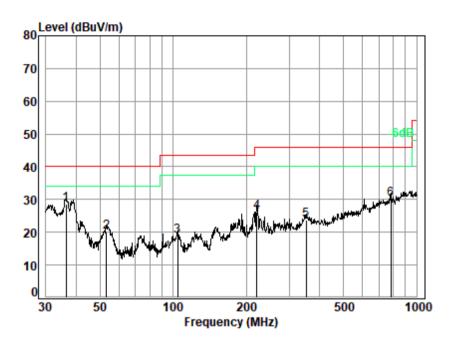


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 33 of 63

Test Mode: 02; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 01643AT

Test Mode: 02

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
_	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	36.25	17.45	0.66	27.21	37.61	28.51	40.00	-11.49	QP
2	53.32	12.10	0.81	27.16	34.31	20.06	40.00	-19.94	QP
3	104.17	12.96	1.16	26.98	31.68	18.82	43.50	-24.68	QP
4	220.62	15.87	1.78	26.52	35.09	26.22	46.00	-19.78	QP
5	351.71	20.38	2.31	26.36	27.34	23.67	46.00	-22.33	QP
6	782.35	26.85	3.62	26.37	25.98	30.08	46.00	-15.92	OP



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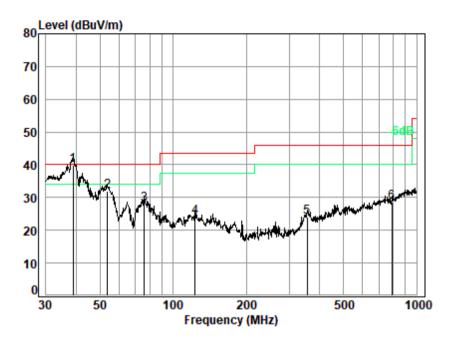


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 34 of 63

Test Mode: 02; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 01643AT

Test Mode: 02

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
_	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	38.89	15.99	0.67	27.20	50.41	39.87	40.00	-0.13	QP
2	53.69	12.06	0.81	27.15	46.28	32.00	40.00	-8.00	QP
3	76.24	10.38	0.98	27.08	43.78	28.06	40.00	-11.94	QP
4	123.27	11.65	1.27	26.91	38.12	24.13	43.50	-19.37	QP
5	355.43	20.48	2.32	26.37	27.63	24.06	46.00	-21.94	QP
6	793.40	26.97	3.64	26.33	24.21	28.49	46.00	-17.51	OP



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

Report No.: SZCR230500164301

Page: 35 of 63

7.9 Radiated Spurious Emissions Above 1GHz

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

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

Measurement Distance: 3m

Limit:

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

7.9.1 E.U.T. Operation

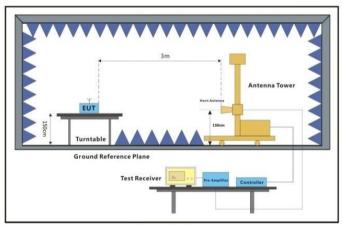
Operating Environment:

Temperature: 22.5 °C Humidity: 56.6 % RH Atmospheric Pressure: 1010 mbar

7.9.2 Test Mode Description

7.0.2 Test mode besomption						
Pre-scan / Final test	Mode Code	Description				
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.				
Pre-scan	02	Charge + TX mode(1Mbps)_Keep the EUT in charging and continuously transmitting mode with GFSK modulation.				

7.9.3 Test Setup Diagram



Above 1GHz



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

Report No.: SZCR230500164301

36 of 63 Page:

7.9.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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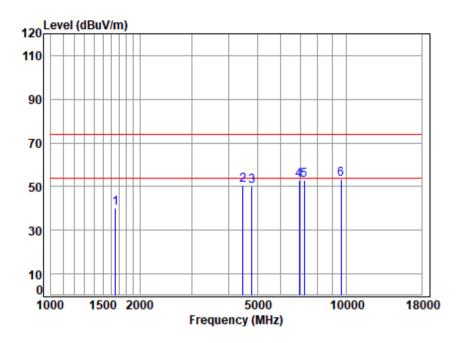


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 37 of 63

Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL

Job No : 01643AT

Mode : 2402 TX RSE

: BLE

		Freq			Preamp Factor		Level			Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1653.550	3.43	26.71	36.51	46.45	40.08	74.00	-33.92	peak
2		4469.214	6.74	33.50	34.65	45.15	50.74	74.00	-23.26	peak
3		4804.000	7.04	33.82	34.86	44.07	50.07	74.00	-23.93	peak
4		6934.778	8.31	35.67	35.86	44.81	52.93	74.00	-21.07	peak
5		7206.000	8.52	35.80	35.95	44.74	53.11	74.00	-20.89	peak
6	q	9608.000	10.39	37.10	35.55	41.27	53.21	74.00	-20.79	peak



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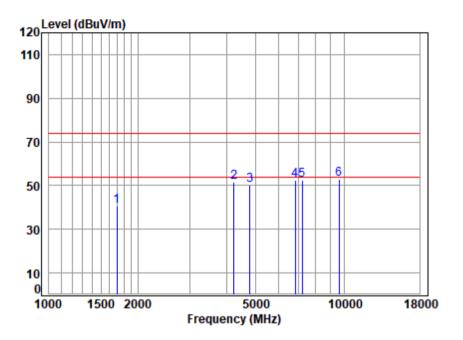


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 38 of 63

Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 01643AT

Mode : 2402 TX RSE

: BLE

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1702.042	3.49	26.80	36.40	46.55	40.44	74.00	-33.56	peak
2		4230.396	6.51	33.52	34.49	46.03	51.57	74.00	-22.43	peak
3		4804.000	7.04	33.82	34.86	43.99	49.99	74.00	-24.01	peak
4		6835.278	8.30	35.57	35.78	44.57	52.66	74.00	-21.34	peak
5		7206.000	8.52	35.80	35.95	44.33	52.70	74.00	-21.30	peak
6	q	9608.000	10.39	37.10	35.55	40.88	52.82	74.00	-21.18	peak



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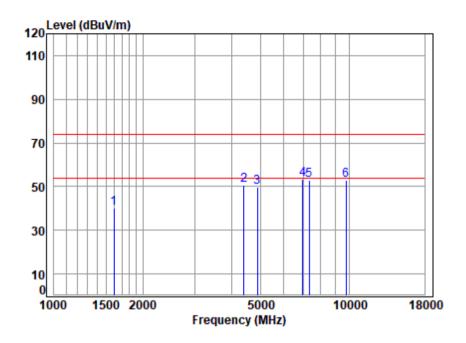


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 39 of 63

Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL

Job No : 01643AT

Mode : 2440 TX RSE

: BLE

	Freq			Preamp Factor					Remark
		dB		dB					
1	1597.181	3.37	26.47	36.64	46.83	40.03	74.00	-33.97	peak
2	4405.090								•
	4880.000								-
4 q	6954.852	8.31	35.71	35.87	45.32	53.47	74.00	-20.53	peak
5	7320.000	8.62	35.90	35.97	44.47	53.02	74.00	-20.98	peak
6	9760,000	10.45	37.20	35.56	41.03	53.12	74.00	-20.88	peak



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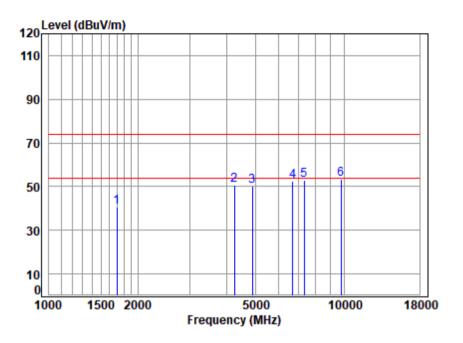


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 40 of 63

Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:middle



Site : chamber

Condition: 3m VERTICAL

Job No : 01643AT

Mode : 2440 TX RSE

: BLE

		Freq			Preamp Factor		Level			Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1697.129	3.49	26.79	36.41	46.58	40.45	74.00	-33.55	peak
2		4242.641	6.53	33.57	34.50	44.92	50.52	74.00	-23.48	peak
3		4880.000	7.11	34.06	34.91	44.12	50.38	74.00	-23.62	peak
4		6698.373	8.27	35.60	35.66	44.22	52.43	74.00	-21.57	peak
5		7320.000	8.62	35.90	35.97	44.48	53.03	74.00	-20.97	peak
6	q	9760.000	10.45	37.20	35.56	41.37	53.46	74.00	-20.54	peak



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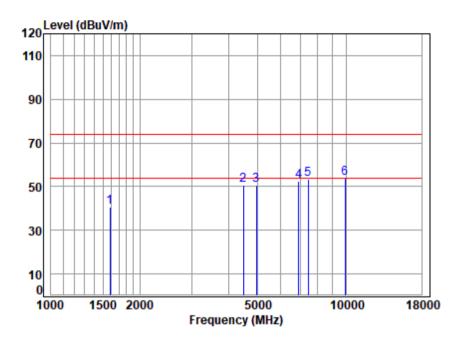


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 41 of 63

Test Mode: 00; Polarity: Horizontal; Modulation: GFSK; Channel: High



Site : chamber

Condition: 3m HORIZONTAL

Job No : 01643AT

Mode : 2480 TX RSE

: BLE

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1583.392	3.35	26.30	36.67	47.80	40.78	74.00	-33.22	peak
2	4495.125	6.77	33.50	34.67	45.27	50.87	74.00	-23.13	peak
3	4960.000	7.18	34.22	34.96	44.20	50.64	74.00	-23.36	peak
4	6894.806	8.30	35.60	35.82	44.43	52.51	74.00	-21.49	peak
5	7440.000	8.73	35.90	35.99	44.60	53.24	74.00	-20.76	peak
6 0	9920.000	10.52	37.30	35.57	41.69	53.94	74.00	-20.06	peak



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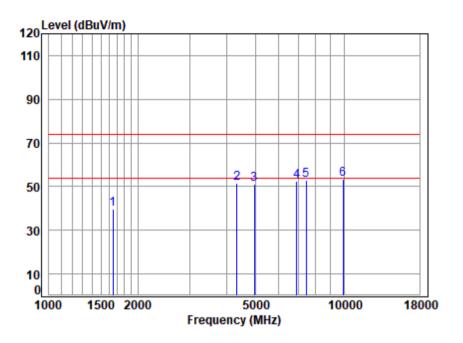


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 42 of 63

Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 01643AT

Mode : 2480 TX RSE

: BLE

		Freq			Preamp Factor		Level			Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1648.778	3.43	26.70	36.52	46.27	39.88	74.00	-34.12	peak
2		4329.354	6.61	33.60	34.56	45.92	51.57	74.00	-22.43	peak
3		4960.000	7.18	34.22	34.96	44.48	50.92	74.00	-23.08	peak
4		6894.806	8.30	35.60	35.82	44.50	52.58	74.00	-21.42	peak
5		7440.000	8.73	35.90	35.99	44.47	53.11	74.00	-20.89	peak
6	q	9920.000	10.52	37.30	35.57	40.93	53.18	74.00	-20.82	peak



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Report No.: SZCR230500164301

Page: 43 of 63

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2305001643AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for SZCR2305001643AT.



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

Report No.: SZCR230500164301

Page: 44 of 63

10 Appendix

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

	Ant1										
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)				
		2402	0.395	0.625	63.20	1.99	0.00				
1M	SISO	2440	0.395	0.625	63.20	1.99	0.03				
		2480	0.395	0.625	63.20	1.99	0.03				



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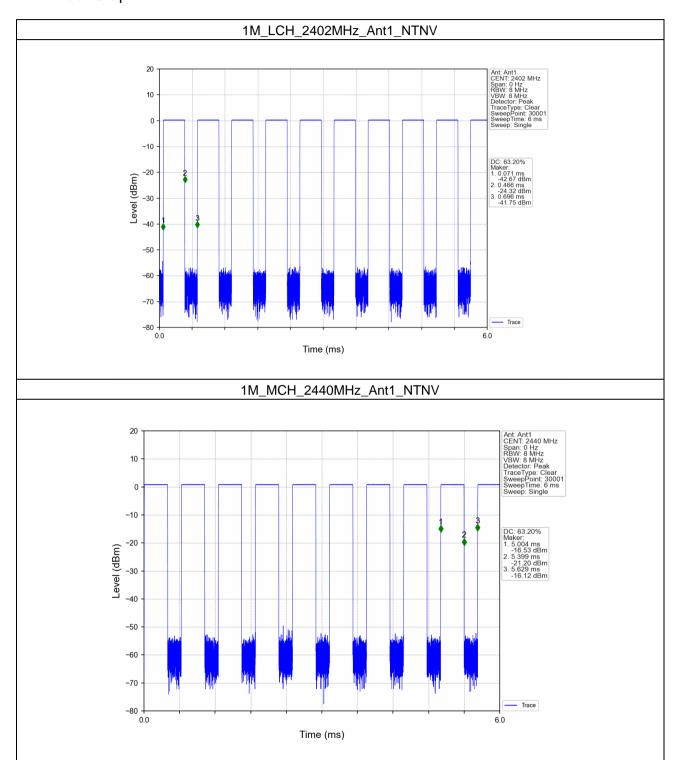


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Report No.: SZCR230500164301

Page: 45 of 63

1.1.2 Test Graph





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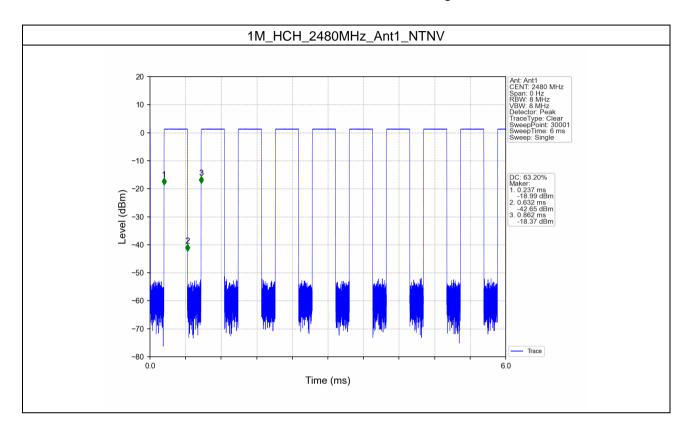
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Page: 46 of 63





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

Report No.: SZCR230500164301

Page: 47 of 63

2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX	Frequency	ANT	99% Occupied Bandwidth (MHz)	Verdict
iviode	Type	(MHz)	AINT	Result	verdict
		2402	1	1.045	Pass
1M	SISO	2440	1	1.048	Pass
		2480	1	1.049	Pass



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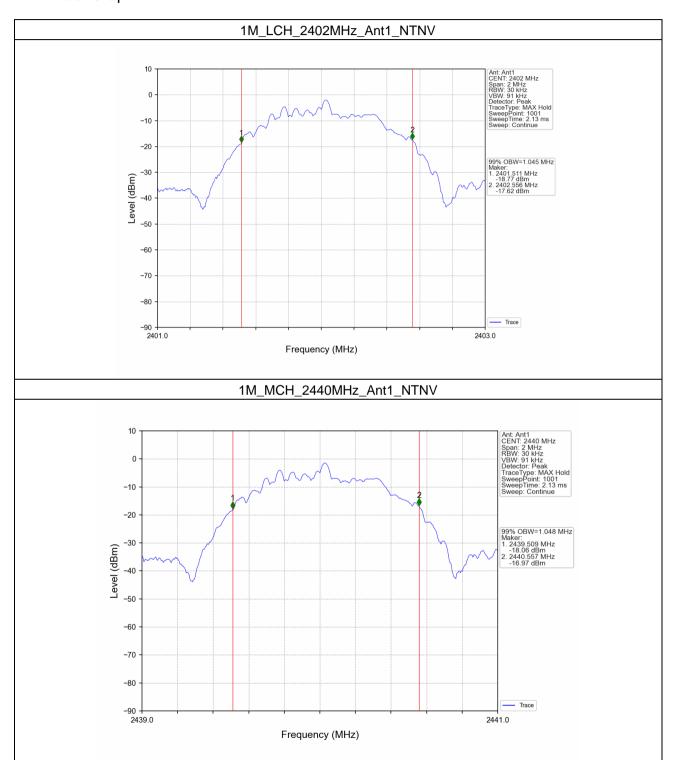


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Page: 48 of 63

2.1.2 Test Graph





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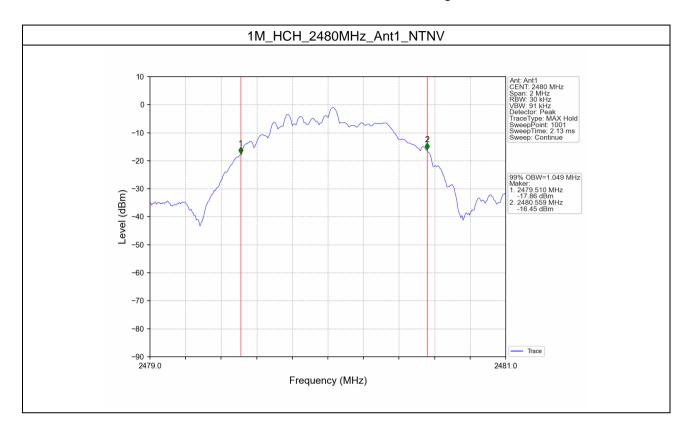
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Page: 49 of 63





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

Report No.: SZCR230500164301

Page: 50 of 63

2.2 6dB BW

2.2.1 Test Result

Mode	TX	Frequency	ANIT	6dB Bandv	vidth (MHz)	Vordict
Mode	Type	(MHz)	ANT	Result	Limit	Verdict
		2402	1	0.691	>=0.5	Pass
1M	SISO	2440	1	0.686	>=0.5	Pass
		2480	1	0.686	>=0.5	Pass



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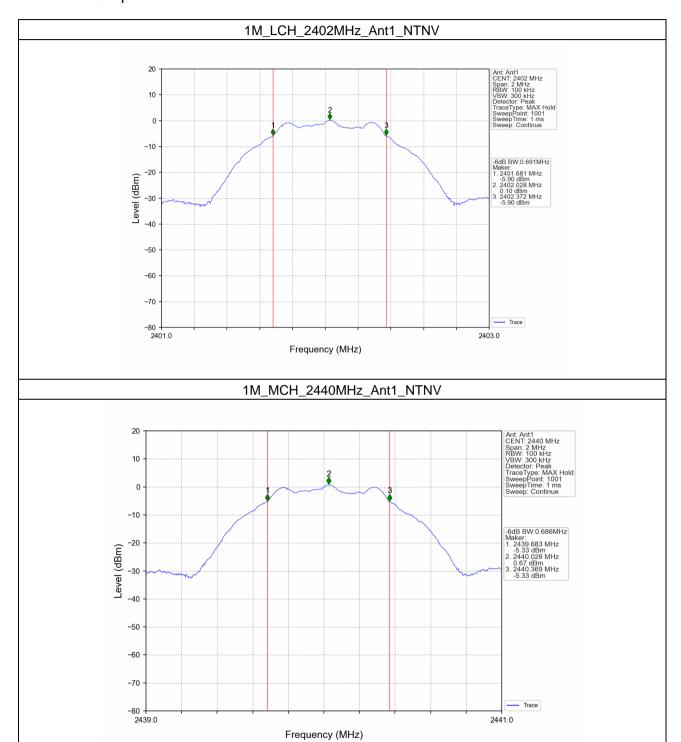


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Report No.: SZCR230500164301

Page: 51 of 63

2.2.2 Test Graph





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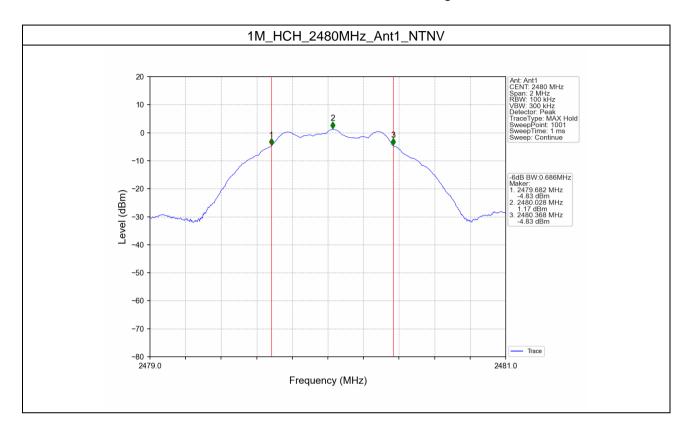
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Report No.: SZCR230500164301

Page: 52 of 63





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

Report No.: SZCR230500164301

Page: 53 of 63

3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX	Frequency	Maximum Peak Conduc	ted Output Power (dBm)	Verdict			
iviode	Туре	(MHz)	ANT1	Limit	verdict			
		2402	0.22	<=30	Pass			
1M	SISO	2440	0.80	<=30	Pass			
		2480	1.29	<=30	Pass			
Note1: Antenna Gain: Ant1: 1.72dBi;								



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Report No.: SZCR230500164301

Page: 54 of 63

4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX	Frequency	Maximum PS	D (dBm/3kHz)	Vardiet			
Mode	Type	(MHz)	ANT1	Limit	Verdict			
		2402	-14.89	<=8	Pass			
1M	SISO	2440	-14.43	<=8	Pass			
		2480	-14.03	<=8	Pass			
Note1: Antenna Gain: Ant1: 1.72dBi;								



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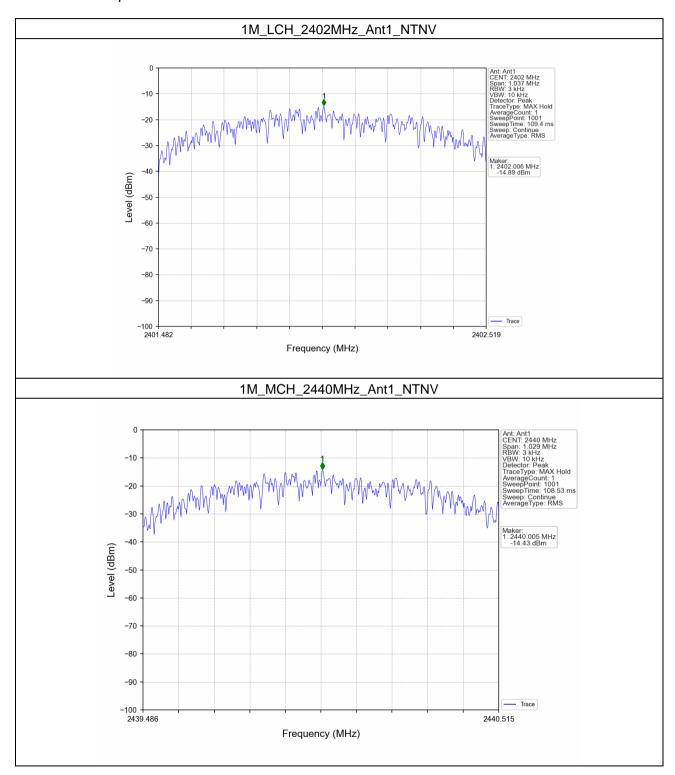


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 55 of 63

4.1.2 Test Graph





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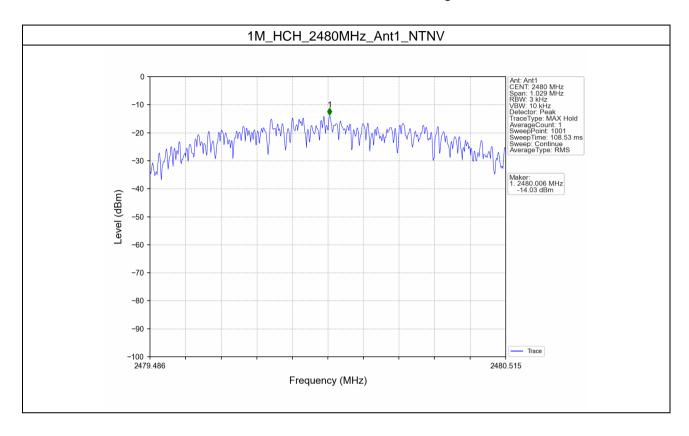
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 56 of 63





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

Report No.: SZCR230500164301

Page: 57 of 63

5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
		2402	1	0.08
1M	SISO	2440	1	0.66
		2480	1	1.15

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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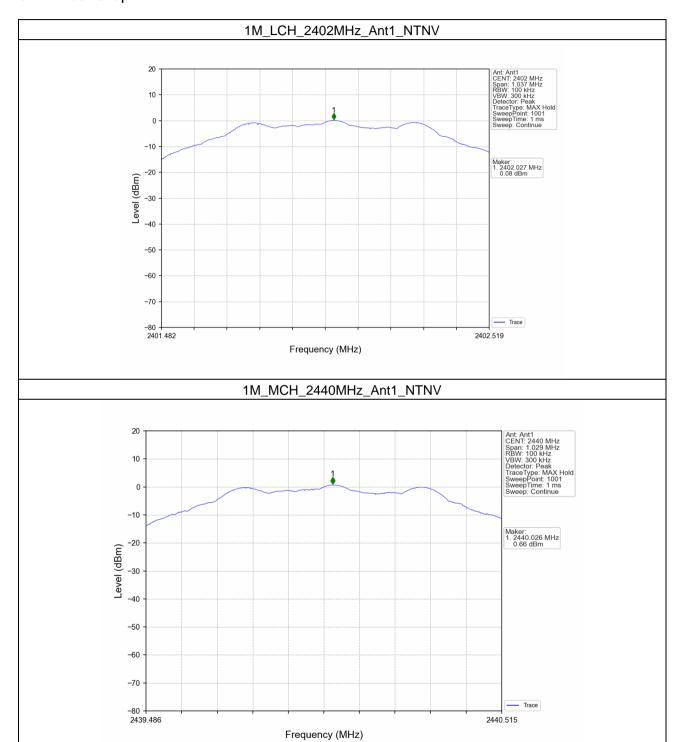


SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500164301

Page: 58 of 63

5.1.2 Test Graph





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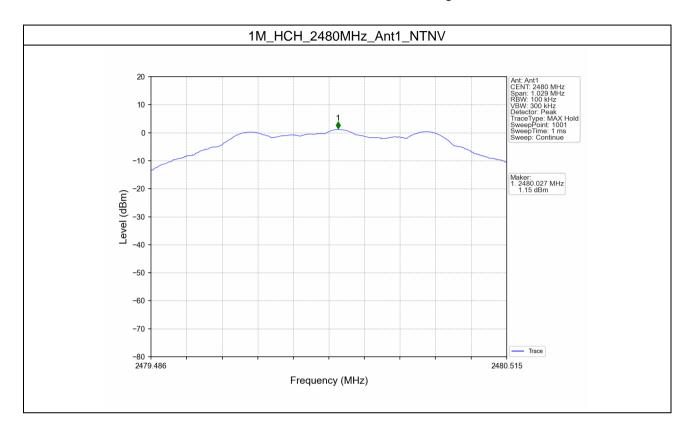
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Page: 59 of 63





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Report No.: SZCR230500164301

Page: 60 of 63

5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	1.15	-18.85	Pass
		2440	1	1.15	-18.85	Pass
		2480	1	1.15	-18.85	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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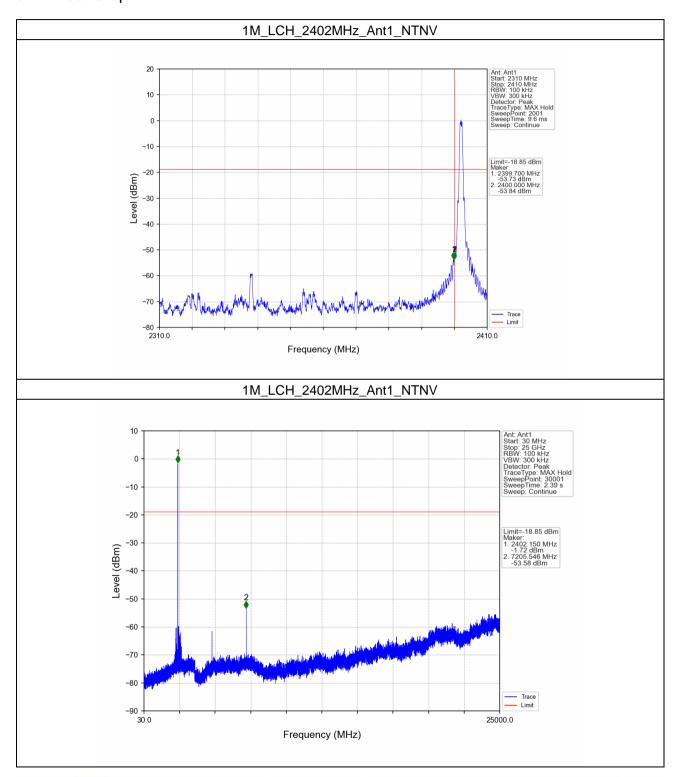


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Page: 61 of 63

5.2.2 Test Graph





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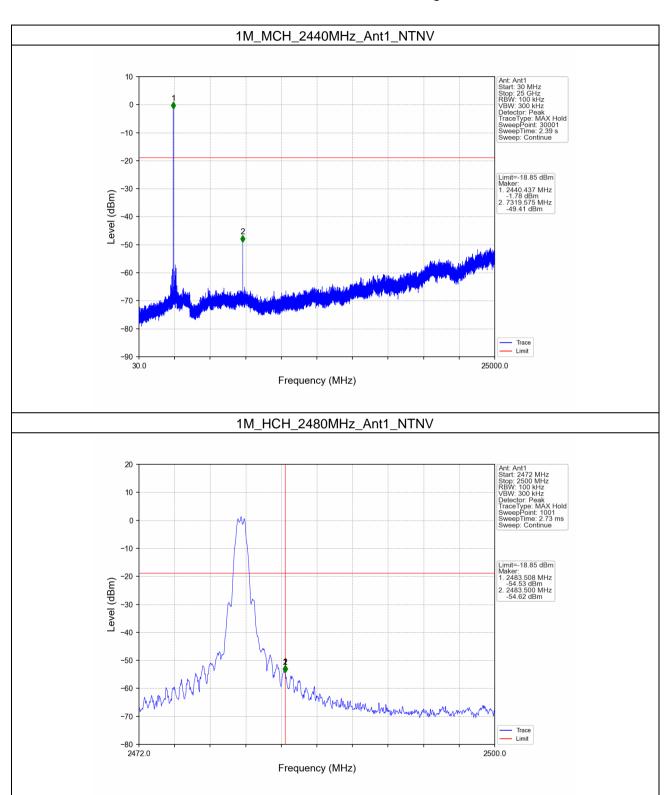
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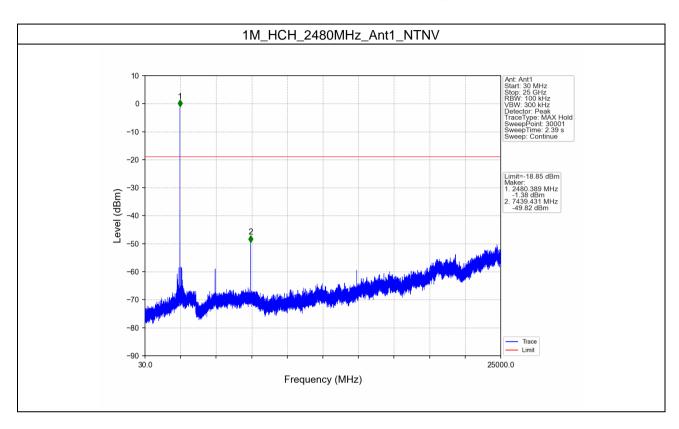
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