



Technical Compliance Statement

FCC Test Report

For the following information Ref. File No.: A1Z2105079

Product : Cellular Call Box
Model No. : OGC-7600NA-H
Brand : On Guard
Applicant : On Guard Inc
Address : 6846 Theall Rd#100 Houston, Texas 77066
Rules and Standards : 47 CFR FCC Part 15 Subpart B and
ANSI C63.4: 2014 + ANSI C63.4a: 2017
(Class B Limit)

We hereby certify that the above product has been tested by us and complied with above FCC standard limits. The test was performed according to the procedures ANSI C63.4: 2014 + ANSI C63.4a: 2017. The equipment might be marketed in US in accordance with the rules of 47 CFR FCC Part 2 regulations.

The test data and results are issued on the test report **ACS-F21175**.

Test Laboratory:

Audix Technology (Shenzhen) Co., Ltd.

NVLAP Lab. Code: 200372-0

FCC OET Designation: CN5022

Web Site: www.audix.com.cn



Date: 2021.07.22

The statement is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

TEST REPORT

Cellular Call Box

Model No. : OGC-7600NA-H

Brand : On Guard

Prepared for: On Guard Inc
6846 Theall Rd#100 Houston, Texas 77066

Prepared By: Audix Technology (Shenzhen) Co., Ltd.
No. 6, Kefeng Road, Science & Technology Park,
Nanshan District, Shenzhen, Guangdong, China
Tel: (0755) 26639496
Fax: (0755) 26632877



Report Number : ACS-F21175
Date of Test : Jul.02~04, 2021
Date of Report : Jul.22, 2021

The test report is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.
The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, TAF, or any agency of the U.S. Government.

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TEST REPORT

Applicant : On Guard Inc
Product : Cellular Call Box
Brand : On Guard
FCC ID : YLEOGC-7600NA-H
(A) Model No. : OGC-7600NA-H
(B) Power Supply : DC 12V
(C) Test Voltage : AC 120V/60 Hz

Rules of Compliance and Applicable Standards:

47 CFR FCC Part 15 Subpart B Class B Limit

ANSI C63.4: 2014 + ANSI C63.4a: 2017

The device described above was tested by Audix Technology (Shenzhen) Co., Ltd. to determine the maximum emission levels emanating from the device. All of the tests were requested by the applicant and the results thereof based upon the information that the applicant provided to us. We, Audix Technology (Shenzhen) Co., Ltd. assume full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT is compliance with the rules of 47 CFR FCC Part 2 regulations.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

No modifications were required during testing to bring this product into compliance.

This report applies to single evaluation of one sample of above mentioned products. This report shall not be reproduced in part without written approval of Audix Technology (Shenzhen) Co., Ltd.

Date of Test : Jul.02~04, 2021 Report of date: Jul.22, 2021

Prepared by :

Kayli He
Kayli He / Assistant

Reviewed by :

Sun Zeng
Sun Zeng / Assistant Manager

AUDIX® 信華科技 (Shenzhen) Co., Ltd.

Audix Technology (Shenzhen) Co., Ltd.

EMC 部門 報告 專用 章

Stamp only for EMC Dept. Report

Approved & Authorized Signer :

Bensun Chen
Signature: Bensun Chen

Bensun Chen / Manager

Name of the Representative of the Responsible Party:

Signature:

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION			
Description of Test Item	Standard	Results	Remarks
Power Line Conducted Emission Test	47 CFR FCC Part 15 Subpart B ANSI C63.4: 2014 + ANSI C63.4a: 2017	PASS	Meets Class B Limit Minimum passing margin is 17.08dB at 0.326MHz
Radiated Emission Test (30-1000MHz)	47 CFR FCC Part 15 Subpart B ANSI C63.4: 2014 + ANSI C63.4a: 2017	PASS	Meets Class B Limit Minimum passing margin is 13.03dB at 30.000MHz
Radiated Emission Test (1GHz-18GHz)	47 CFR FCC Part 15 Subpart B ANSI C63.4: 2014 + ANSI C63.4a: 2017	PASS	Meets Class B Limit Minimum passing margin is 14.08dB at 1658.438MHz
Radiated Emission Test (18GHz-40GHz)	47 CFR FCC Part 15 Subpart B ANSI C63.4: 2014 + ANSI C63.4a: 2017	PASS	Meets Class B Limit Minimum passing margin is 19.84dB at 19588.630MHz

2. GENERAL INFORMATION

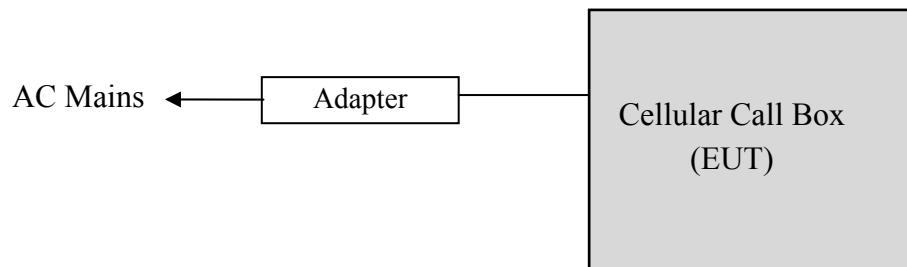
2.1. Description of Device (EUT)

Product : Cellular Call Box
Model No. : OGC-7600NA-H
Brand : On Guard
FCC ID : YLEOGC-7600NA-H
Applicant : On Guard Inc
6846 Theall Rd#100 Houston, Texas 77066
Manufacture : On Guard Inc
6846 Theall Rd#100 Houston, Texas 77066
Max. Work Frequency : 49MHz
Date of Test : Jul.02~04, 2021
Date of Receipt : Jul.01, 2021
Sample Type : Prototype production

2.2.Tester Supporting System Details

No.	Description	Model	Input	Output
1.	Adapter	DSA-24PFS-12 FEU 120200	100-240V~ 50/60Hz 0.8A	12.0V---2.0A, 24.0W

2.3.Block Diagram of Test Setup



(EUT: *Cellular Call Box*)

2.4. Test Facility

Site Description

Name of Firm	: Audix Technology (Shenzhen) Co., Ltd. No. 6, Kefeng Road, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China
EMC Lab.	: Accredited by NVLAP, USA NVLAP Code: 200372-0 Valid Date: Mar.31, 2022
	Certified by FCC, USA Designation No: CN5022 Valid Date: Mar.31, 2022
	Accredited by TAF, Taiwan Registration No: 1418 Valid Date: Nov.30, 2023

2.5. Measurement Uncertainty

Test Item	Uncertainty
Uncertainty for Conduction Emission test in No. 1 Conduction	2.6dB (150kHz to 30MHz)
Uncertainty for radiation emission test in 3m chamber (Distance: 3m)	3.2dB(30~200MHz, Polarization: H)
	3.6dB(30~200MHz, Polarization: V)
	3.4dB(200M~1GHz, Polarization: H)
	3.4dB(200M~1GHz, Polarization: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	5.0dB (1-6GHz, Distance: 3m)
	5.2dB (6-18GHz, Distance: 3m)
Uncertainty for test site temperature and humidity	0.6°C
	3%

Note: EMI uncertainty is evaluated by CISPR16-4-2.

The value of measurement uncertainty of EMI is less than U_{CISPR} .

The value is not calculated in the test results.

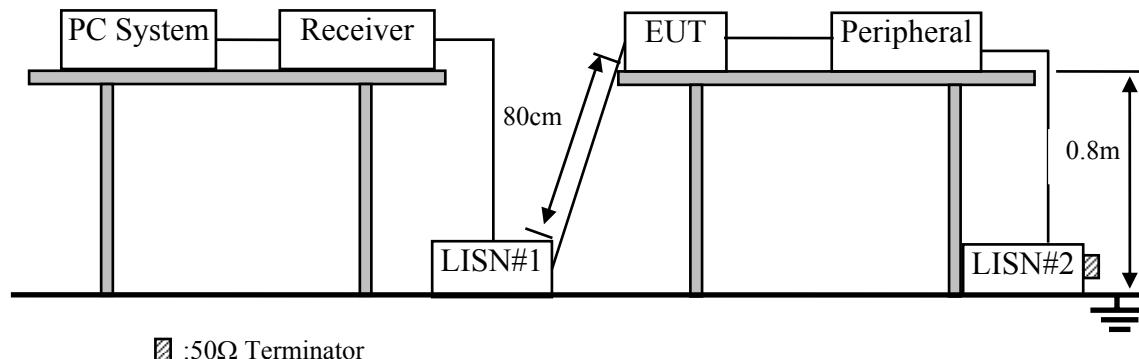
3. POWER LINE CONDUCTED EMISSION MEASUREMENT

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	2# Shielding Room	AUDIX	N/A	N/A	Apr.14,21	3 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESCI	100843	Oct.11,20	1 Year
3.	L.I.S.N.#1	Rohde & Schwarz	ENV4200	100041	Apr.07,21	1 Year
4.	L.I.S.N.#2	Kyoritsu	KNW-407	8-1628-5	Apr.07,21	1 Year
5.	Terminator	Hubersuhner	50Ω	No.4	Apr.06,21	1 Year
6.	Terminator	Hubersuhner	50Ω	No.5	Apr.06,21	1 Year
7.	RF Cable	EMCI	EMCCFD300-BM-NM-2000	190421	Apr.13,21	1 Year
8.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

Note: N/A means Not applicable.

3.2. Block Diagram of Test Setup



3.3. Power Line Conducted Emission Class B Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(µV)	Average Level dB(µV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes:

- * Decreasing linearly with logarithm of frequency.
- The lower limit shall apply at the transition frequencies.
- Emission Level (dB μ V) = Factor (L.I.S.N.) (dB) + Cable Loss (dB) + Reading (Receiver) (dB μ V).

3.4. EUT 's Configuration during Compliance Measurement

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1. Cellular Call Box (EUT)

Model No. : OGC-7600NA-H

3.4.2. Support Equipment : As Tested Supporting System Detail, in Section 2.3.

3.5. Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turn on the power of all equipments.

3.5.3. Let the EUT worked in test modes (Charging+Running / Charging+GBS / Charging+4G) and test it.

3.6. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. #1). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N. #2). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4: 2014 + ANSI C63.4a: 2017 on conducted emission test.

The bandwidth of the R&S Test Receiver ESCI was set at 9kHz.

The frequency range from 150kHz to 30MHz is checked. The test results are reported on Section 3.7.

3.7. Power Line Conducted Emission Measurement Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

EUT: Cellular Call Box

Model No. : OGC-7600NA-H

The EUT with following test modes were pre-tested:

No.	Test Mode
1.	Charging+Running
2.	Charging+GBS
3.	Charging+4G

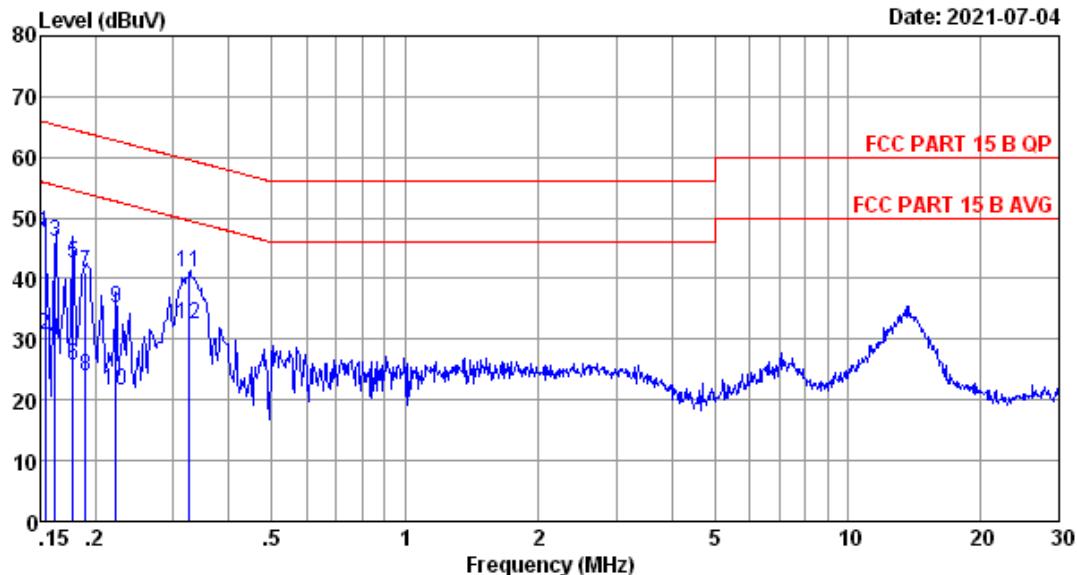
The details of test modes are as follows:

No.	Test Mode	Reference Test Data No.	
		Line	Neutral
1.	Charging+4G	#5	#6

Data: 5

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Date: 2021-07-04



Site no :1# Conduction
 Dis./Lisn :2020 ENV216-L
 Limit :FCC PART 15 B QP
 Env./Ins. :24.5°C/51%
 EUT :OGC-7600NA-H
 Power Rating :AC 120V/60Hz
 Test Mode :Charging+4G

Data No :5

LISN phase:

Engineer :Evan

No	Freq (MHz)	LISN Factor (dB)	Cable loss (dB)	Reading (dBuV)	Emission			
					Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.154	9.70	0.01	37.90	47.61	65.78	18.17	QP
2	0.154	9.70	0.01	21.00	30.71	55.78	25.07	Average
3	0.162	9.70	0.01	36.20	45.91	65.36	19.45	QP
4	0.162	9.70	0.01	20.20	29.91	55.36	25.45	Average
5	0.178	9.70	0.01	32.88	42.59	64.58	21.99	QP
6	0.178	9.70	0.01	15.96	25.67	54.58	28.91	Average
7	0.190	9.70	0.01	31.20	40.91	64.04	23.13	QP
8	0.190	9.70	0.01	14.25	23.96	54.04	30.08	Average
9	0.222	9.70	0.01	25.30	35.01	62.74	27.73	QP
10	0.222	9.70	0.01	11.74	21.45	52.74	31.29	Average
11	0.326	9.70	0.01	31.46	41.17	59.55	18.38	QP
12	0.326	9.70	0.01	22.76	32.47	49.55	17.08	Average

Remarks: 1. Emission Level=LISN Factor+Cable Loss+Reading.

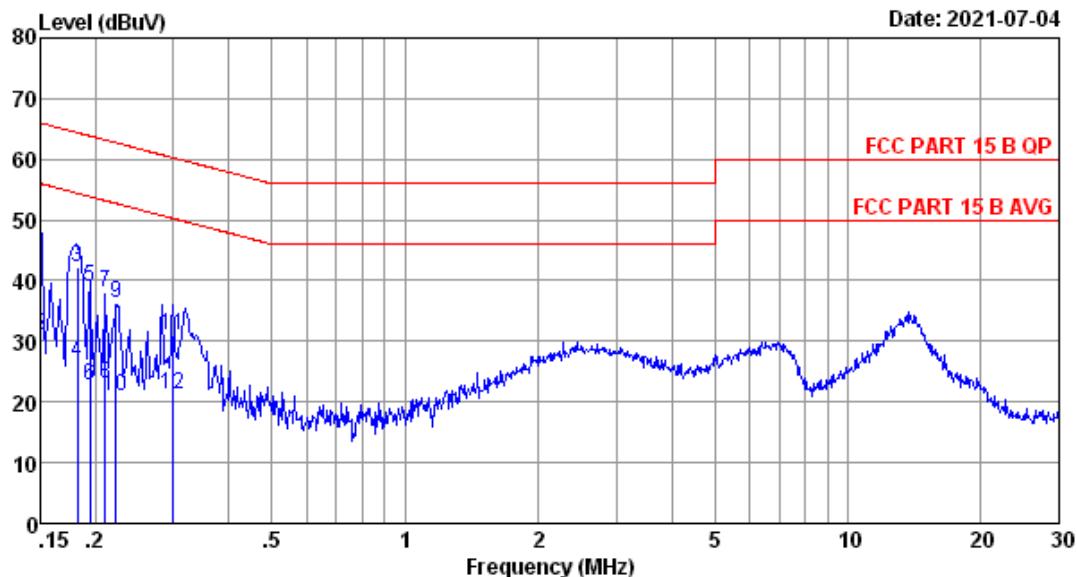
2. If the average limit is met when using a quasi-peak detector.

the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

Data: 6

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Date: 2021-07-04



Site no : 1# Conduction
 Dis./Lisn : 2020 ENV216-N
 Limit : FCC PART 15 B QP
 Env./Ins. : 24.5°C/51%
 EUT : OGC-7600NA-H
 Power Rating : AC 120V/60Hz
 Test Mode : Charging+4G

Data No : 6

LISN phase:

Engineer : Evan

No	Freq (MHz)	LISN Factor (dB)	Cable loss (dB)	Reading (dBuV)	Emission			
					Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.150	9.70	0.01	38.45	48.16	66.00	17.84	QP
2	0.150	9.70	0.01	21.16	30.87	56.00	25.13	Average
3	0.182	9.70	0.01	32.36	42.07	64.39	22.32	QP
4	0.182	9.70	0.01	16.88	26.59	54.39	27.80	Average
5	0.194	9.70	0.01	29.14	38.85	63.86	25.01	QP
6	0.194	9.70	0.01	13.12	22.83	53.86	31.03	Average
7	0.210	9.70	0.01	28.34	38.05	63.21	25.16	QP
8	0.210	9.70	0.01	13.32	23.03	53.21	30.18	Average
9	0.222	9.70	0.01	26.63	36.34	62.74	26.40	QP
10	0.222	9.70	0.01	11.20	20.91	52.74	31.83	Average
11	0.298	9.70	0.01	21.33	31.04	60.30	29.26	QP
12	0.298	9.70	0.01	11.50	21.21	50.30	29.09	Average

Remarks: 1. Emission Level=LISN Factor+Cable Loss+Reading.

2. If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

4. RADIATED EMISSION MEASUREMENT

4.1. Test Equipments

4.1.1. For frequency range 30MHz~1000MHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber(NSA)	AUDIX	N/A	N/A	May.02,21	1 Year
2.	3#Chamber(SE)	AUDIX	N/A	N/A	May.17,18	5 Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	104050	Apr.07,21	1 Year
4.	EMI Test Receiver	Rohde & Schwarz	ESR7	101547	Apr.07,21	1 Year
5.	Amplifier	HP	8447D	2648A04738	Apr.08,21	1 Year
6.	Tri-log-Broadband Antenna	SCHWARZBECK	VULB 9168	710	Oct.19,20	1 Year
7.	NSA Cable	HUBER+SUHNER	CFD400NL-LW	No.3	Oct.11,20	1 Year
8.	Coaxial Switch	Anritsu	MP59B	6201397223	Apr.07,21	1 Year
9.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A

Note: N/A means Not applicable.

4.1.2. For Frequency Range: above 1000MHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber(Svswr)	AUDIX	N/A	N/A	Apr.14,21	1 Year
2.	3#Chamber(SE)	AUDIX	N/A	N/A	May.17,18	3 Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	104050	Apr.07,21	1 Year
4.	Horn Antenna	ETC	MCTD 1209	DRH15F03007	Jul.30,20	1 Year
5.	Amplifier	Agilent	83017A	MY53270084	Oct.11,20	1 Year
6.	RF Cable	Hubersuhner	SUCOFLEX-106	505238/6	Apr.07,21	1 Year
7.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A

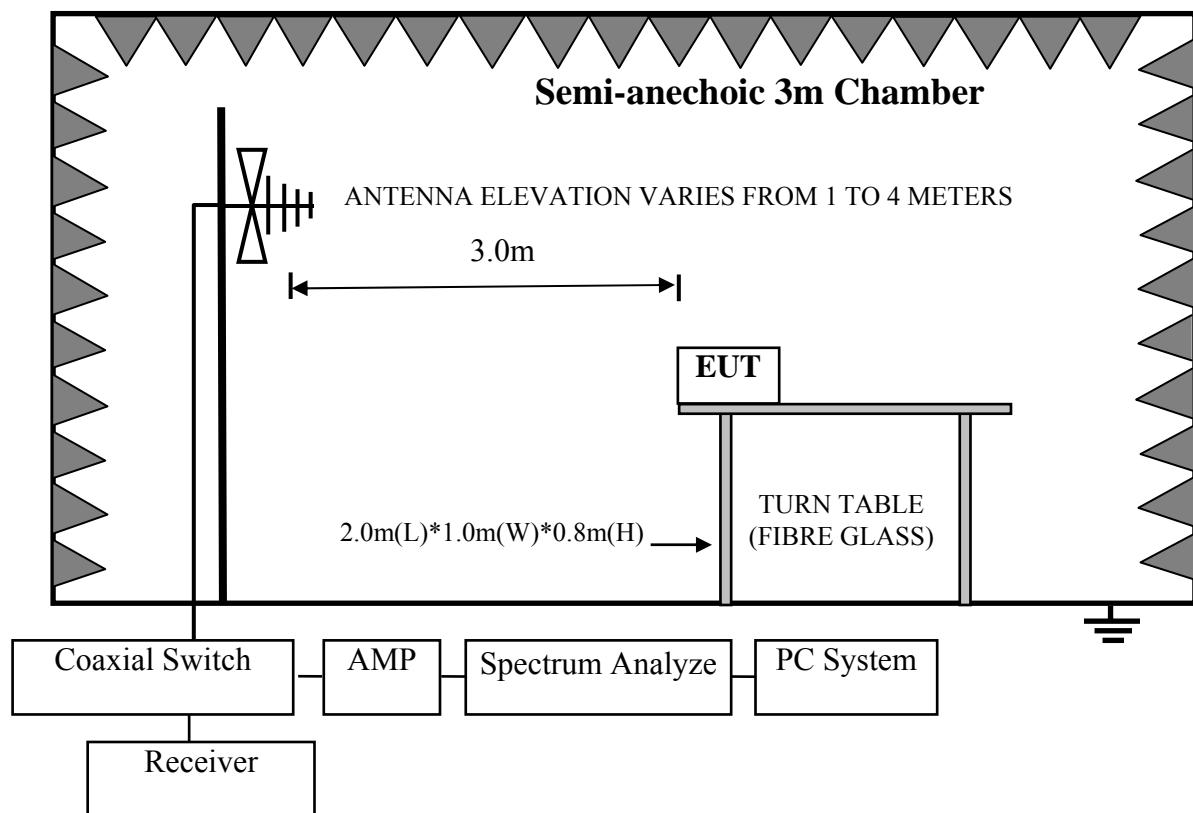
Note: N/A means Not applicable.

4.1.3. For frequency range 18GHz~40GHz (In RF Chamber)

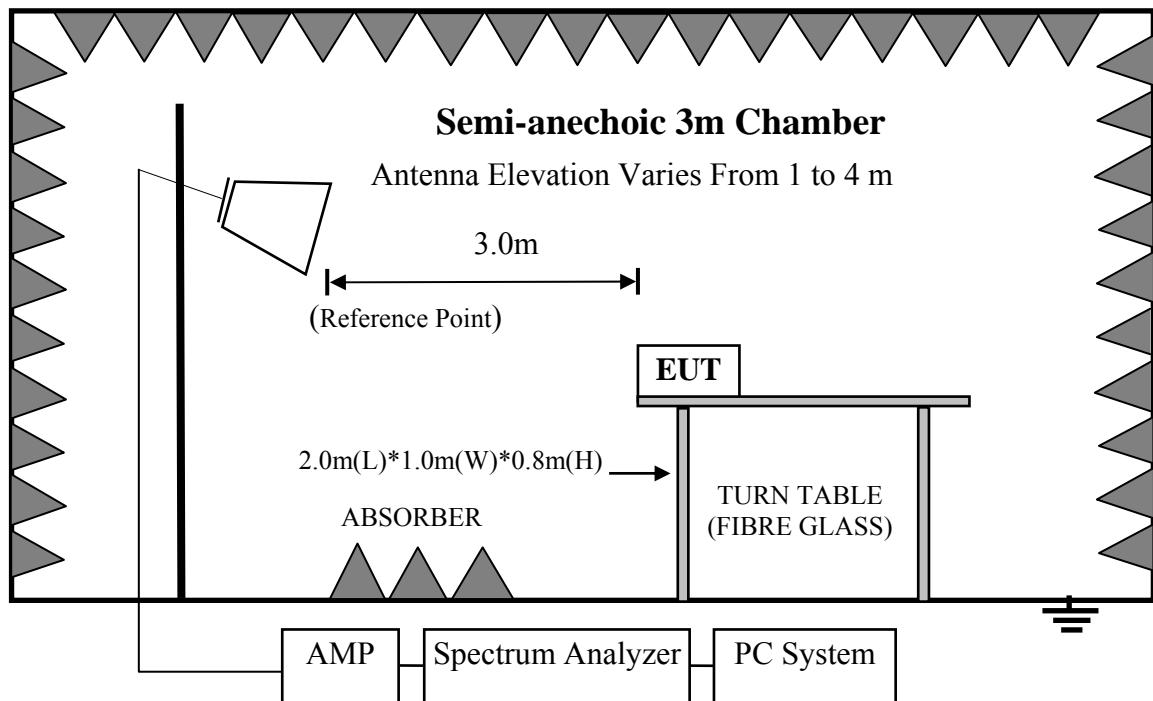
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	RF Chamber(Svswr)	AUDIX	N/A	N/A	Apr.15,21	1 Year
2.	RF Chamber(SE)	AUDIX	N/A	N/A	Apr.16,19	3 Year
3.	Signal Analyzer	Rohde & Schwarz	FSV30	104051	Apr.06,21	1 Year
4.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Apr.07,21	1 Year
5.	Horn Antenna	ETS	3116	00060089	Dec.09,20	1 Year
6.	Amplifier	HP	8449B	3008A00863	Apr.19,21	1 Year
7.	RF Cable	HUBER+SUHNER	SUCOFLEX-106	505238/6	Apr.07,21	1 Year
8.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

4.2. Block Diagram of Test Setup

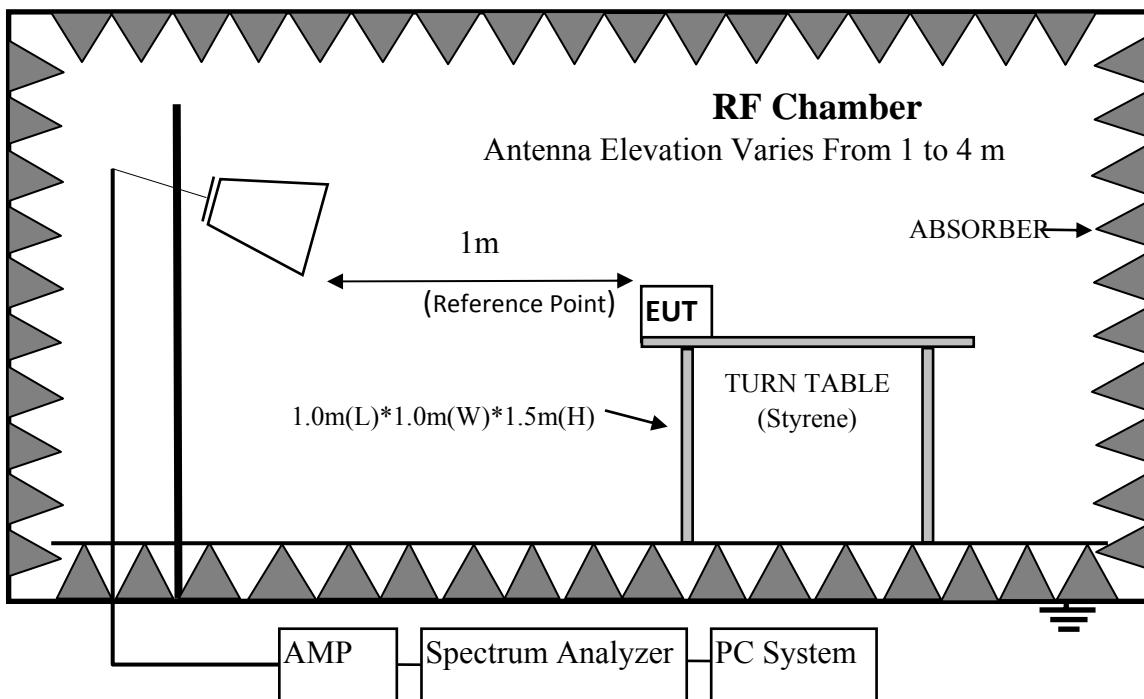
4.2.1. In 3m Anechoic Chamber Test Setup Diagram for 30~1000MHz



4.2.2. In 3m Anechoic Chamber Test Setup Diagram for 1GHz-18GHz



4.2.3. In RF Chamber Test Setup Diagram for 18-40GHz



4.3. Radiated Emission Class B Limit

All emanations from a devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Frequency MHz	Distance (Meters)	Field Strengths Limits dB(μ V)/m
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0
1000 ~ 18000	3	74.0(Peak) 54.0(Average)
18000 ~ 40000	1	83.5(Peak) 63.5(Average)

Notes: (1) Emission Level ($\text{dB}\mu\text{V}/\text{m}$) = Reading (Receiver) ($\text{dB}\mu\text{V}$) + Antenna Factor (dB/m) + Cable Loss (dB)

Emission Level ($\text{dB}\mu\text{V}/\text{m}$) = Reading (Spectrum) ($\text{dB}\mu\text{V}$) + Antenna Factor (dB/m) - Amp Gain (dB) + Cable Loss (dB) (above 1000MHz)

(2) The tighter limit shall apply at the edge between two frequency bands.

(3) The distance between the horizontal projection onto the ground plane of the closest periphery of the EUT and the projection onto the ground plane of the center of the axis of the elements of the receiving antenna.

(4) Emission level $\text{dB}\mu\text{V}/\text{m} = 20 \log \text{Emission level } \mu\text{V}/\text{m}$

(5) For limit 18GHz to 40GHz, measurements were made at 1 meters. According to FCC Part 15.109, the limit is translated to 1 meters by using a formula as follows:
 $\text{Limit}_{3m} (\mu\text{V}/\text{m}) / \text{Limit}_{1m} (\mu\text{V}/\text{m}) = \text{Distance}_{1m} / \text{Distance}_{3m}$

4.4. EUT 's Configuration during Compliance Measurement

The configurations of EUT are listed in Section 3.4.

4.5. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.5. except the test set up replaced by Section 4.2

4.6. Test Procedure

EUT was placed on a non-metallic table, 80cm above the ground plane. An antenna was located 3m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4: 2014 + ANSI C63.4a: 2017 on radiated emission test.

The bandwidth setting on the test receiver (R&S ESR7) is 120kHz.

The resolution bandwidth of the EMC Analyzer FSV30 was set at 1MHz. (For above 1GHz)

The frequency range from 30MHz to 1000MHz was pre-scanned with a peak detector and all final readings of measurement from Test Receiver are Quasi-Peak values.

The frequency range from 1GHz to 18GHz was checked with peak and average detector, measurement distance is 3m in 10m chamber. The EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission.

The frequency range from 18GHz to 40GHz was checked with peak and average detector, measurement distance is 1m in RF chamber. The EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission.

Finally, selected operating situations at Anechoic Chamber measurement, all the test results are listed in section 4.7.

4.7. Radiated Emission Measurement Result

PASS. (All emissions not reported below are too low against the prescribed limits.)

EUT: Cellular Call Box Model No. : OGC-7600NA-H

For frequency range 30MHz~1000MHz

The EUT with following test modes were pre-tested:

No.	Test Mode
1.	Charging+Running
2.	Charging+GBS
3.	Charging+4G

The details of test modes are as follows:

No.	Test Mode	Reference Test Data No.	
		Horizontal	Vertical
1.	Charging+4G	#17	#18

For frequency range 1GHz~18GHz

No.	Test Mode
1.	Charging+Running
2.	Charging+GBS
3.	Charging+4G

The details of test modes are as follows :

No.	Test Mode	Reference Test Data No.	
		Horizontal	Vertical
1.	Charging+4G	#29	#30

For frequency range 18GHz~40GHz

No.	Test Mode
1.	Charging+Running
2.	Charging+GBS
3.	Charging+4G

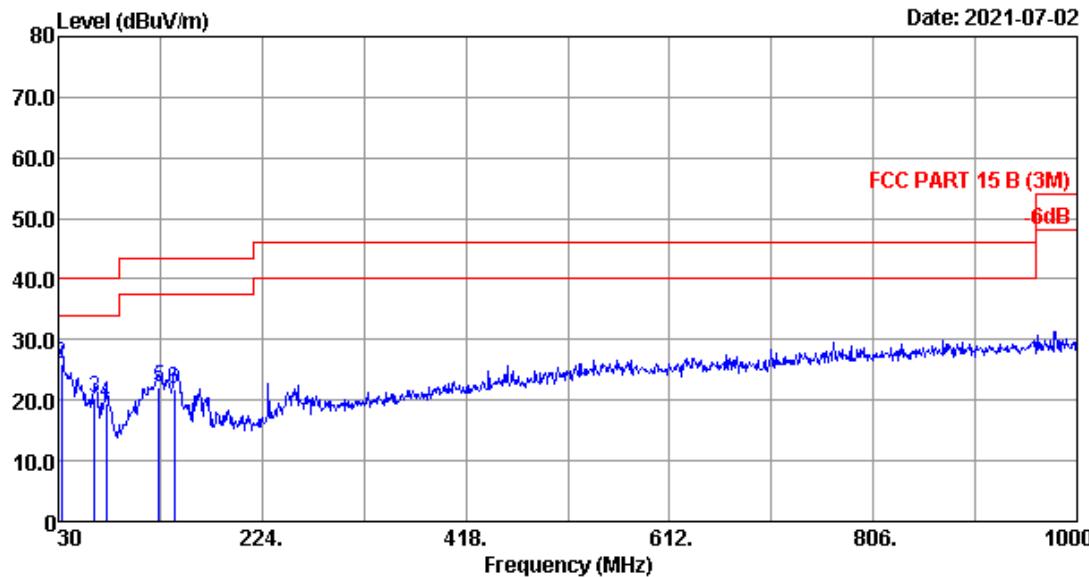
The details of test modes are as follows :

No.	Test Mode	Reference Test Data No.	
		Horizontal	Vertical
1.	Charging+4G	#6	#5

Data: 17

File: E:\2021 Report Data\0\On Guard Inc\A1Z2105079.EM6 (30)

Date: 2021-07-02



Site no. : 3m Chamber Data no. : 17
 Dis. / Ant. : 3m 2020 CBL6112D-25237 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 22.8°C/48% Engineer : The Shine
 EUT : OGC-7600NA-H
 Power rating : AC 120V/60Hz
 Test Mode : Charging+4G

No.	Freq. (MHz)	Ant.	Cable	Emission			Margin (dB)	Remark
		Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)		
1	30.000	24.80	0.63	29.84	26.97	40.00	13.03	QP *
2	32.910	23.18	0.65	30.44	25.98	40.00	14.02	QP
3	64.920	12.40	0.79	35.41	20.44	40.00	19.56	QP
4	75.590	12.78	0.83	33.86	19.35	40.00	20.65	QP
5	126.030	17.86	1.13	31.19	22.24	43.50	21.26	QP
6	140.580	17.11	1.19	31.54	21.98	43.50	21.52	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

2. The emission levels that are 20dB below the official limit are not reported.

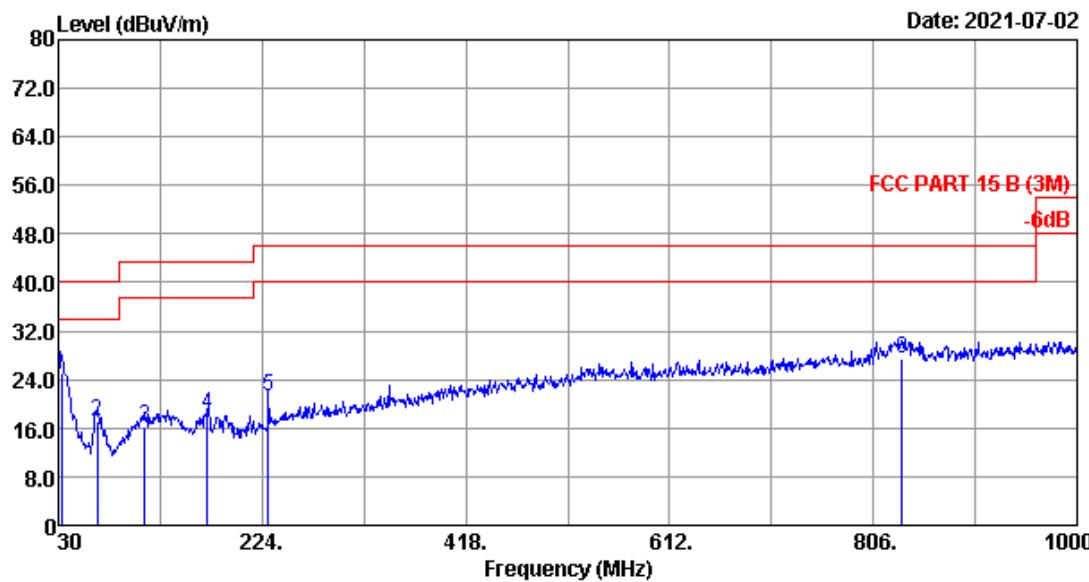
3. The worst emission was detected at 30.000MHz with corrected signal level of 26.97dB_uV/m. (Antenna height 1.4m; Turntable degree 45°).

4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Data: 18

File: E:\2021 Report Data\O\On Guard Inc\A1Z2105079.EM6 (30)

Date: 2021-07-02



Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2020 CBL6112D-25237 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B (3M)
 Env. / Ins. : 22.8°C/48% Engineer : The Shine
 EUT : OGC-7600NA-H
 Power rating : AC 120V/60Hz
 Test Mode : Charging+4G

No.	Freq. (MHz)	Ant.	Cable	Emission		Margin		Remark
		Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	32.910	23.18	0.65	1.27	25.10	40.00	14.90	QP *
2	66.860	12.40	0.80	3.79	16.99	40.00	23.01	QP
3	112.450	17.87	1.07	-2.74	16.20	43.50	27.30	QP
4	171.620	15.33	1.34	1.65	18.32	43.50	25.18	QP
5	229.820	16.97	1.51	2.73	21.21	46.00	24.79	QP
6	833.160	25.90	3.20	-1.65	27.45	46.00	18.55	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

2. The emission levels that are 20dB below the official limit are not reported.

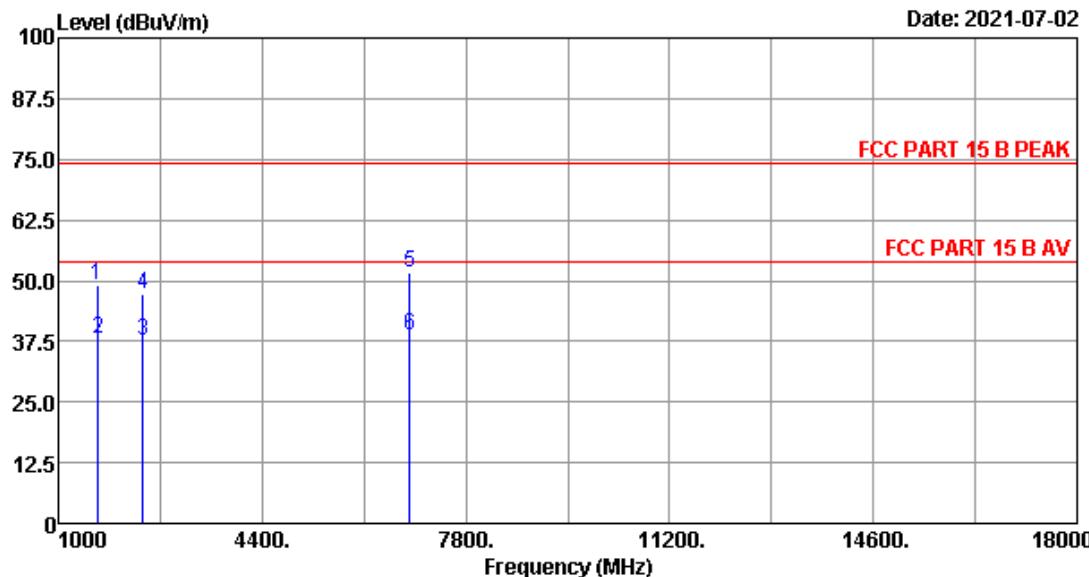
3. The worst emission was detected at 32.910MHz with corrected signal level of 25.10dB μ V/m. (Antenna height 2.3m; Turntable degree 146°).

4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

Data: 29

File: E:\2021 Report Data\0\On Guard Inc\A1Z2105079.EM6 (30)

Date: 2021-07-02



Site no. : 3m Chamber Data no. : 29
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : HORIZONTAL
 Limit : FCC PART 15 B PEAK Pre :
 Env. / Ins. : 22.8°C/48% Engineer : The Shine
 EUT : OGC-7600NA-H
 Power rating : AC 120V/60Hz
 Test Mode : Charging+4G

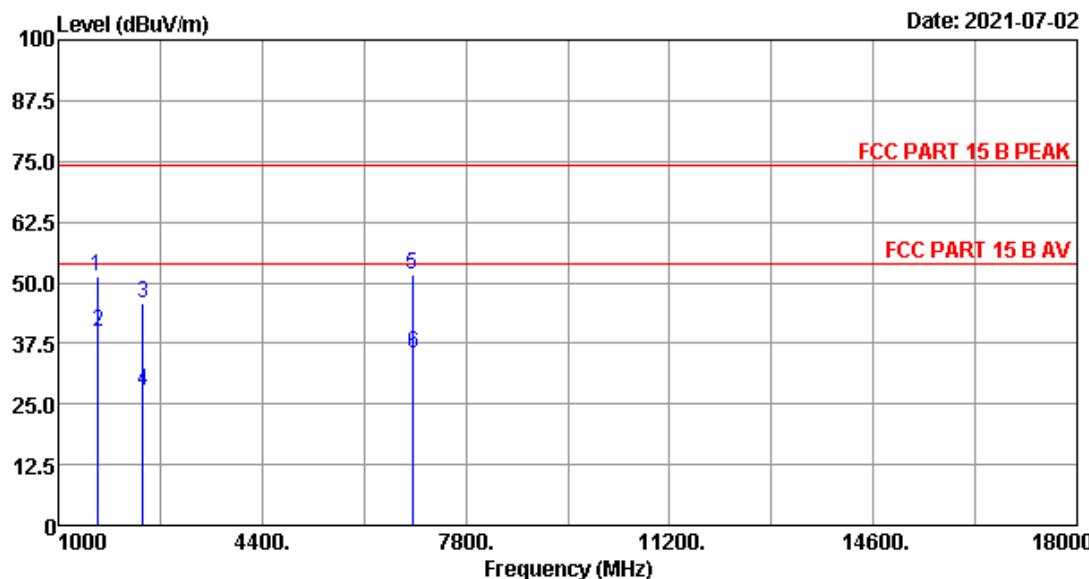
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1646.203	25.60	3.51	32.34	52.45	49.22	74.00	24.78	Peak
2	1658.587	25.67	3.53	32.28	41.19	38.11	54.00	15.89	Average
3	2410.950	27.83	4.39	30.96	36.32	37.58	54.00	16.42	Average
4	2411.010	27.83	4.39	30.96	46.15	47.41	74.00	26.59	Peak
5	6864.162	35.72	8.80	30.09	37.37	51.80	74.00	22.20	Peak
6	6870.225	35.72	8.80	30.09	24.31	38.74	54.00	15.26	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.

Data: 30

File: E:\2021 Report Data\0\On Guard Inc\A1Z2105079.EM6 (30)

Date: 2021-07-02



Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2020 MCTD1209-3007 Ant. pol. : VERTICAL
 Limit : FCC PART 15 B PEAK Pre :
 Env. / Ins. : 22.8°C/48% Engineer : The Shine
 EUT : OGC-7600NA-H
 Power rating : AC 120V/60Hz
 Test Mode : Charging+4G

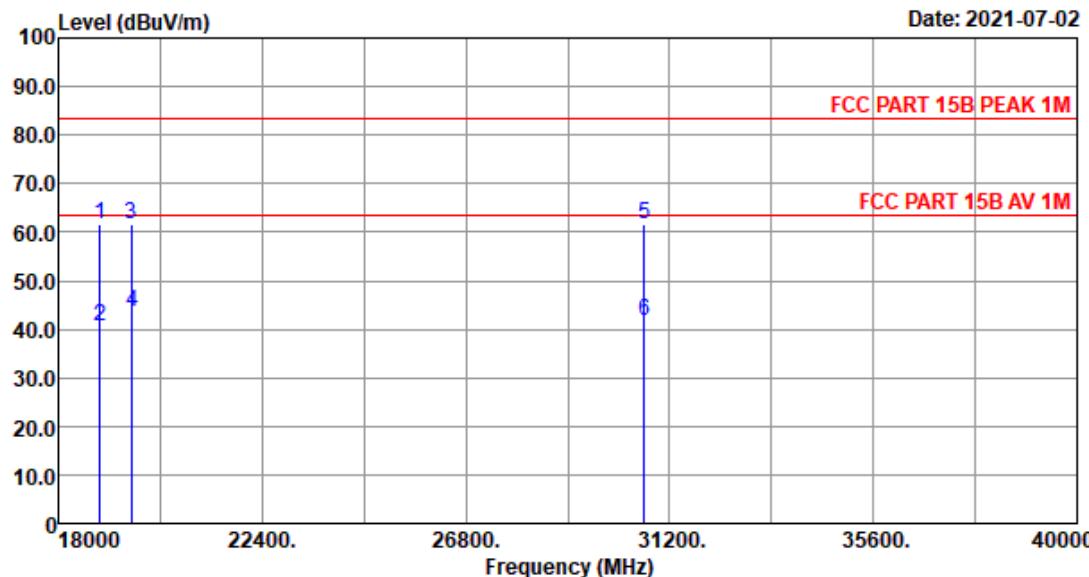
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1647.140	25.60	3.51	32.34	54.43	51.20	74.00	22.80	Peak
2	1658.438	25.67	3.53	32.28	43.00	39.92	54.00	14.08	Average
3	2411.163	27.83	4.39	30.96	44.35	45.61	74.00	28.39	Peak
4	2414.247	27.83	4.39	30.96	26.37	27.63	54.00	26.37	Average
5	6913.144	35.83	8.84	30.13	37.09	51.63	74.00	22.37	Peak
6	6918.660	35.83	8.84	30.13	21.02	35.56	54.00	18.44	Average

Remarks: 1. Emission Level = Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.

Data: 6

File: D:\2021 Report Data\TCL\A1Z2105079.EM6 (6)

Date: 2021-07-02



Site no. : RF Chamber
 Dis. / Ant. : 1m 2020 3116-0089
 Limit : FCC PART 15B PEAK 1M
 Env. / Ins. : 23.4°C/52%
 EUT : OGC-7600NA-H
 Power rating : AC 120V/60Hz
 Test Mode : Charging+4G

Data no. : 6
 Ant. pol. : HORIZONTAL
 Pre :
 Engineer : sun zemg

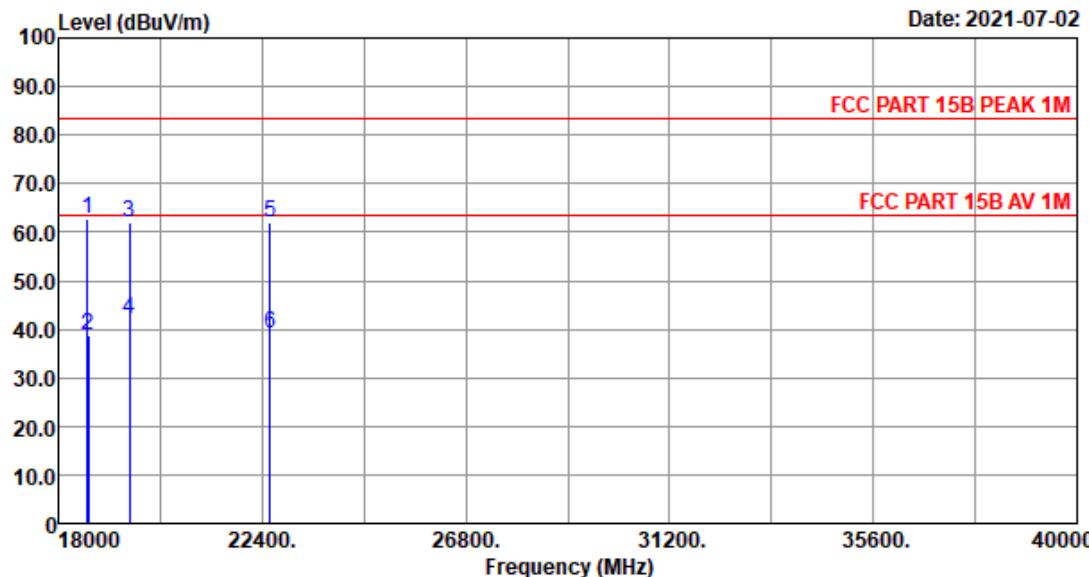
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	18903.220	45.14	10.62	44.21	49.95	61.50	83.50	22.00	Peak
2	18907.500	45.14	10.62	44.21	28.91	40.46	63.50	23.04	Average
3	19581.110	46.05	10.63	44.43	49.41	61.66	83.50	21.84	Peak
4	19588.630	46.05	10.63	44.43	31.41	43.66	63.50	19.84	Average
5	30652.150	46.76	12.46	45.18	47.60	61.64	83.50	21.86	Peak
6	30657.440	46.76	12.46	45.18	27.59	41.63	63.50	21.87	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.

Data: 5

File: D:\2021 Report Data\TCL\A1Z2105079.EM6 (6)

Date: 2021-07-02



Site no. : RF Chamber Data no. : 5
 Dis. / Ant. : 1m 2020 3116-0089 Ant. pol. : VERTICAL
 Limit : FCC PART 15B PEAK 1M Pre :
 Env. / Ins. : 23.4°C/52% Engineer : sun zemg
 EUT : OGC-7600NA-H
 Power rating : AC 120V/60Hz
 Test Mode : Charging+4G

No.	Freq. (MHz)	Ant.	Cable	AMP	Emission				Remark
		Factor (dB/m)	Loss (dB)	factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	18636.260	44.65	10.62	43.89	51.46	62.84	83.50	20.66	Peak
2	18640.550	44.65	10.62	43.89	27.45	38.83	63.50	24.67	Average
3	19542.150	46.07	10.63	44.42	49.79	62.07	83.50	21.43	Peak
4	19546.410	46.07	10.63	44.42	29.79	42.07	63.50	21.43	Average
5	22573.150	45.56	10.94	43.24	48.64	61.90	83.50	21.60	Peak
6	22578.550	45.56	10.94	43.24	25.68	38.94	63.50	24.56	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp Factor
2. The emission levels that are 20dB below the official
limit are not reported.

5. DEVIATION TO TEST SPECIFICATIONS

[NONE]