



# TEST REPORT

**Application No.:** GZCR2204000354AT  
**Applicant:** LUNA PRODUCTS, LLC  
**Address of Applicant:** 3145 TIGER RUN CT., STE 110 CARLSBAD CA 92010 United States Of America  
**Manufacturer:** SYBER SENSE IOT COMPANY LIMITED  
**Address of Manufacturer:** 5/F, Xiagu Building, Meishenghuigu Hi-tech Innovation Park, 83 Dabao Road, Baoan, Shenzhen, China.  
**Factory:** SYBER SENSE IOT COMPANY LIMITED  
**Address of Factory:** 3/F, Building A, Hanhaida High-tech Park, DatianYang C District, Shiwei Community, Matian Street, Guangming New District, Shenzhen, China.

**Equipment Under Test (EUT):**  
**EUT Name:** GATEWAY-VLTE  
**Model No.:** GATEWAY-VLTE  
**Trade Mark:** Luna  
**Standard(s) :** 47 CFR Part 15, Subpart B  
**Date of Receipt:** 2022-04-02  
**Date of Test:** 2022-04-03 to 2022-04-11  
**Date of Issue:** 2022-04-12

<b>Test Result:</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.

Kobe Jian  
 EMC Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022-04-12		Original

<b>Authorized for issue by</b>			
<b>Tested By</b>		 <hr/> <b>Curry Wu/Project Engineer</b>	
<b>Reviewed By</b>		 <hr/> <b>Ricky Liu/Reviewer</b>	



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## 2 Test Summary

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

**Note:**

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

**Declaration of EUT Family Grouping:**

This device includes two kinds of LCD screen samples, one is LCD-1 Model: TM070RDH10, and the other is LCD-2 Model: TS070BH04

Since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used and internal wiring and functions were identical for the above models, with only difference on flat cable length of the LCD screen.



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply: DC 5V from adapter input AC 120V/60Hz  
 Adapter Model: FJ-SW0503000UH  
 Input: 100-240V~50/60Hz 0.6A Max  
 Output: DC 5V 3000mA  
 Lithium Ion Battery: 3.7V 4400mAh rechargeable battery which charged by adapter

Cable(s): DC cable: 185cm unshielded

The highest working frequency: More than 108MHz  
 (except RF modulator):

### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			

### 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at Mains Terminals (150kHz-30MHz)	3.12dB
Radiated Emissions (30MHz-1GHz)	5.06dB (3m) 4.46dB (10m)
Radiated Emissions (above 1GHz)	5.08dB (1GHz-6GHz) 5.14dB (6GHz-18GHz)
Remark: The $U_{lab}$ (lab Uncertainty) is less than $U_{CISPR}$ (CISPR 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.	



#### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,  
198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District,  
Guangzhou, China 510663

Tel: +86 20 82155555 Fax: +86 20 82075059

No tests were sub-contracted.

#### 4.5 Test Facility

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

- **NVLAP (Lab Code: 200611-0)**

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

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.

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **CNAS (Lab Code: L0167)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2018 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of Testing Laboratories.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.



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#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

Conducted Emissions at Mains Terminals (150kHz-30MHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	ChangZhou ZhongYu	8m x 3m x 3.8m	EMC0306	N/A	N/A
Two-Line V-Network	Rohde & Schwarz	ENV216	EMC0118	2021-12-23	2022-12-22
Two-Line V-Network-GZ	Rohde & Schwarz	ENV216	EMC2135	2021-09-24	2022-09-23
Coaxial Cable	HangTianXing	2m	EMC0107	2020-09-09	2022-09-08
Test Software E3c	Audix	Ver. 5.4.1221b	GZE100-62	N/A	N/A
EMI Test Receiver(9kHz-3.6GHz)	Rohde & Schwarz	ESR3	EMC2221	2021-06-01	2022-05-31

Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Chamber cable	HangTianXing	N/A	EMC0542	2020-09-09	2022-09-08
Trilog Broadband Antenna(25MHz-1GHz)-Lab	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	SEM003-18	2022-02-21	2025-02-20
Amplifier(9kHz-1.3GHz)	HP	8447F	EMC2065	2021-05-19	2022-05-18
High Pass Filter (915MHz)	FSY MICROWAVE	HM1465-9SS	EMC2079	2021-12-17	2022-12-16
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2019-10-20	2022-10-19
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
EMI Test Receiver(1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2220	2021-05-26	2022-05-25

Radiated Emissions (above 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver(20Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2021-12-17	2022-12-16
Chamber cable(Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2020-09-09	2022-09-08
Horn Antenna(1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2019-09-25	2022-09-24
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2021-12-17	2022-12-16
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
MXE EMI Receiver(10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2021-11-01	2022-10-31
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A



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General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2021-07-05	2022-07-05
DMM	Fluke	73	EMC0007	2021-07-05	2022-07-05



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## 6 Emission Test Results

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

Test Requirement: 47 CFR Part 15, Subpart B  
 Test Method: ANSI C63.4:2014  
 Limit:  
 0.15M-0.5MHz 66dB(μV)-56dB(μV) quasi-peak, 56dB(μV)-46dB(μV) average  
 0.5M-5MHz 56dB(μV) quasi-peak, 46dB(μV) average  
 5M-30MHz 60dB(μV) quasi-peak, 50dB(μV) average  
 Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

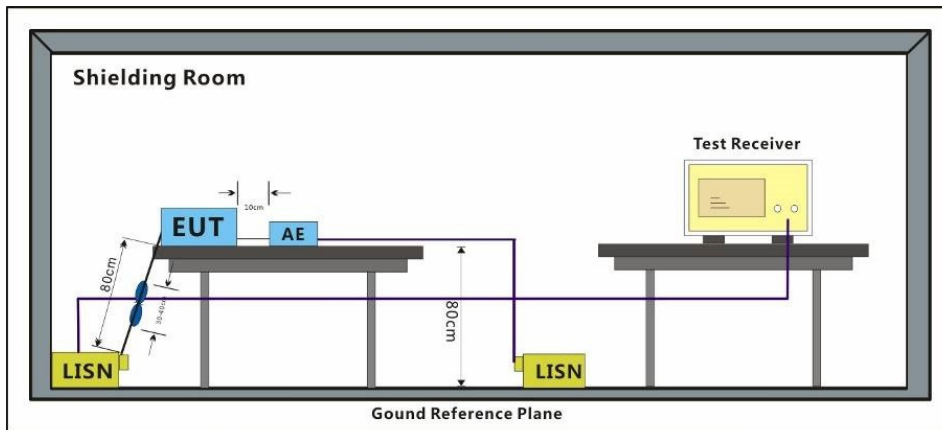
#### 6.1.1 E.U.T. Operation

Operating Environment:  
 Temperature: 23.5 °C Humidity: 56.7 % RH Atmospheric Pressure: 1003 mbar

#### 6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	Charing + Alarm stay mode_Keep the EUT working in alarm mode, while keep the EUT working in charging mode.
Pre-scan	03	Charing + Alarm away mode_Keep the EUT working in alarm mode, while keep the EUT working in charging mode.

#### 6.1.3 Test Setup Diagram



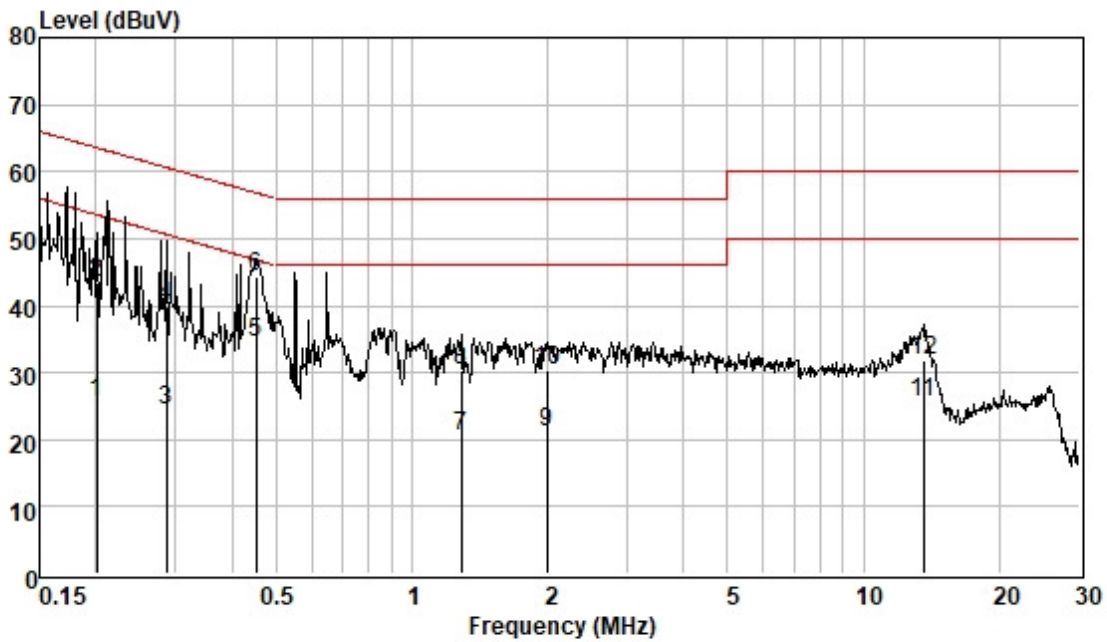
#### 6.1.4 Measurement Procedure and Data

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

Measured Level = Read level + Cable Loss + LISN Factor



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Pol :LINE  
Mode :  
Model :

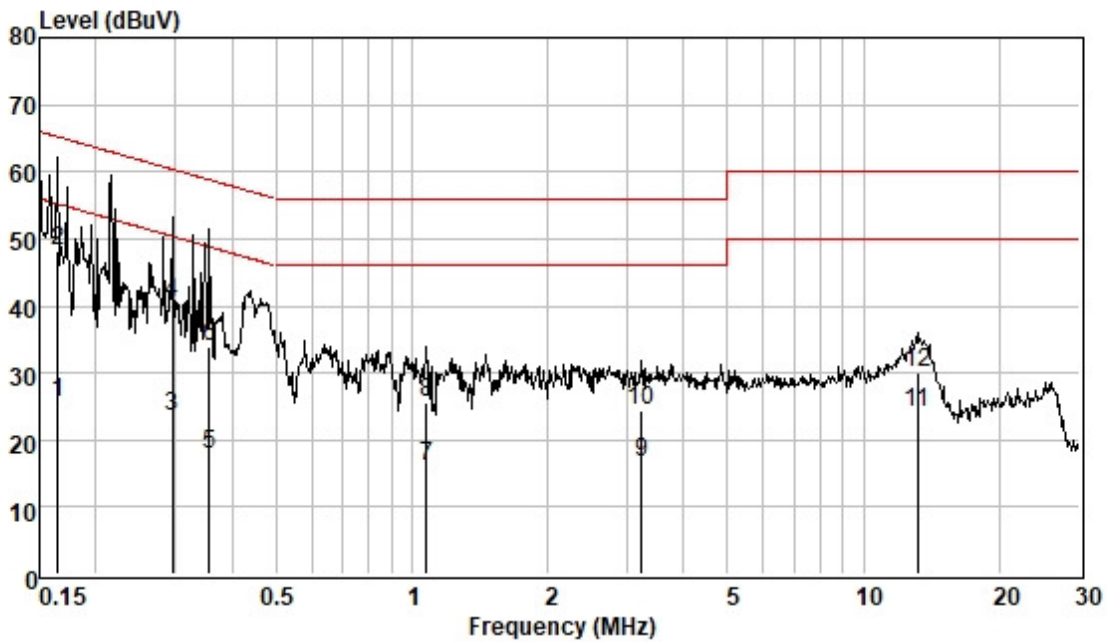
	Frequec MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.201	15.94	0.06	9.56	25.56	53.58	-28.02	Average
2	0.201	33.66	0.06	9.56	43.28	63.58	-20.30	QP
3	0.286	14.77	0.06	9.57	24.40	50.63	-26.23	Average
4	0.286	30.17	0.06	9.57	39.80	60.63	-20.83	QP
5	0.452	24.79	0.06	9.59	34.44	46.85	-12.41	Average
6	0.452	34.52	0.06	9.59	44.17	56.85	-12.68	QP
7	1.289	10.85	0.09	9.60	20.54	46.00	-25.46	Average
8	1.289	20.70	0.09	9.60	30.39	56.00	-25.61	QP
9	1.991	11.29	0.12	9.60	21.01	46.00	-24.99	Average
10	1.991	20.66	0.12	9.60	30.38	56.00	-25.62	QP
11	13.551	15.36	0.29	9.81	25.46	50.00	-24.54	Average
12	13.551	21.65	0.29	9.81	31.75	60.00	-28.25	QP



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Test sample LCD-1

Test Mode: 02; Line: Neutral Line

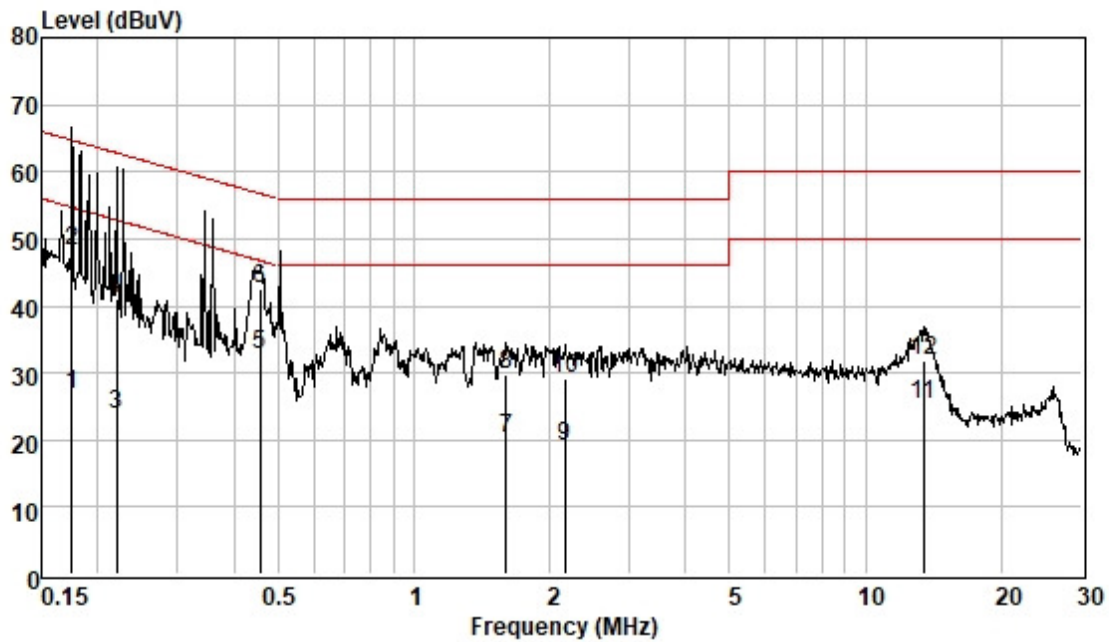


Pol : NEUTRAL  
Mode :  
Model :

	Freque nc MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.165	15.95	0.06	9.54	25.55	55.21	-29.66	Average
2	0.165	38.67	0.06	9.54	48.27	65.21	-16.94	QP
3	0.296	13.90	0.06	9.57	23.53	50.37	-26.84	Average
4	0.296	30.77	0.06	9.57	40.40	60.37	-19.97	QP
5	0.356	8.32	0.06	9.57	17.95	48.83	-30.88	Average
6	0.356	24.30	0.06	9.57	33.93	58.83	-24.90	QP
7	1.077	6.48	0.08	9.59	16.15	46.00	-29.85	Average
8	1.077	15.80	0.08	9.59	25.47	56.00	-30.53	QP
9	3.224	7.01	0.15	9.61	16.77	46.00	-29.23	Average
10	3.224	14.73	0.15	9.61	24.49	56.00	-31.51	QP
11	13.127	14.07	0.28	9.83	24.18	50.00	-25.82	Average
12	13.127	19.85	0.28	9.83	29.96	60.00	-30.04	QP



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Pol :LINE  
Mode :  
Model :

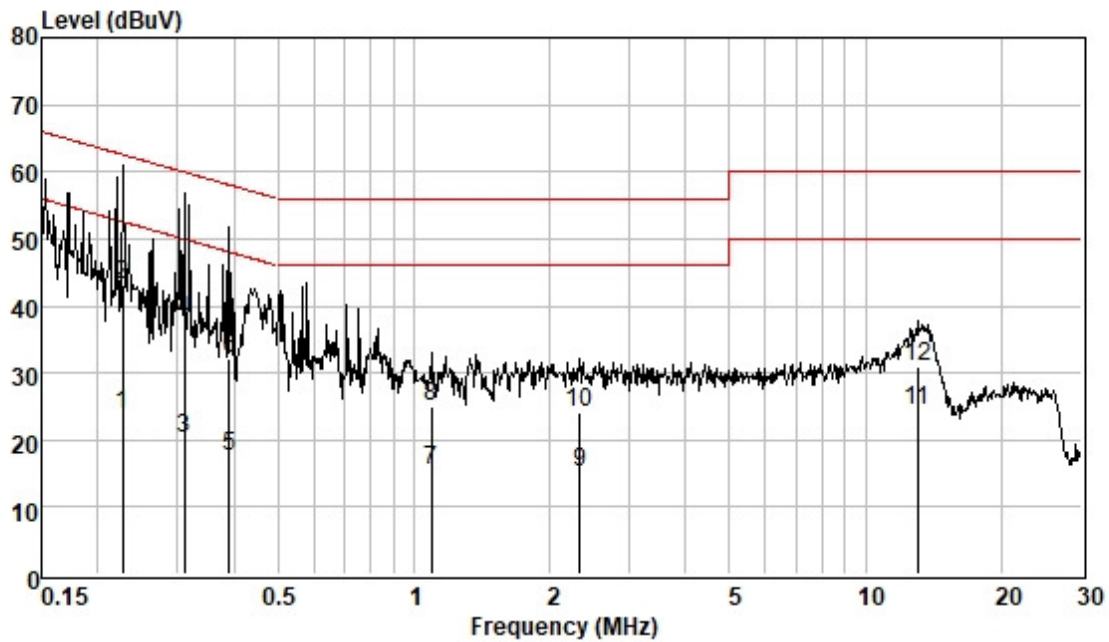
	Freque MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.175	17.05	0.06	9.55	26.66	54.72	-28.06	Average
2	0.175	38.53	0.06	9.55	48.14	64.72	-16.58	QP
3	0.220	14.30	0.06	9.56	23.92	52.83	-28.91	Average
4	0.220	31.51	0.06	9.56	41.13	62.83	-21.70	QP
5	0.456	23.03	0.07	9.59	32.69	46.76	-14.07	Average
6	0.456	32.86	0.07	9.59	42.52	56.76	-14.24	QP
7	1.602	10.58	0.10	9.60	20.28	46.00	-25.72	Average
8	1.602	20.10	0.10	9.60	29.80	56.00	-26.20	QP
9	2.155	9.26	0.12	9.60	18.98	46.00	-27.02	Average
10	2.155	19.31	0.12	9.60	29.03	56.00	-26.97	QP
11	13.408	15.26	0.29	9.81	25.36	50.00	-24.64	Average
12	13.408	21.62	0.29	9.81	31.72	60.00	-28.28	QP



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Test sample LCD-2

Test Mode: 02; Line: Neutral Line



Pol : NEUTRAL  
Mode :  
Model :

	Frequec MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.227	14.23	0.06	9.56	23.85	52.57	-28.72	Average
2	0.227	33.38	0.06	9.56	43.00	62.57	-19.57	QP
3	0.310	10.70	0.06	9.57	20.33	49.97	-29.64	Average
4	0.310	28.02	0.06	9.57	37.65	59.97	-22.32	QP
5	0.391	7.94	0.06	9.58	17.58	48.03	-30.45	Average
6	0.391	22.49	0.06	9.58	32.13	58.03	-25.90	QP
7	1.094	5.83	0.08	9.59	15.50	46.00	-30.50	Average
8	1.094	15.17	0.08	9.59	24.84	56.00	-31.16	QP
9	2.334	5.58	0.13	9.60	15.31	46.00	-30.69	Average
10	2.334	14.38	0.13	9.60	24.11	56.00	-31.89	QP
11	12.988	14.36	0.28	9.83	24.47	50.00	-25.53	Average
12	12.988	20.85	0.28	9.83	30.96	60.00	-29.04	QP



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## 6.2 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B  
 Test Method: ANSI C63.4:2014  
 Measurement Distance: 3m

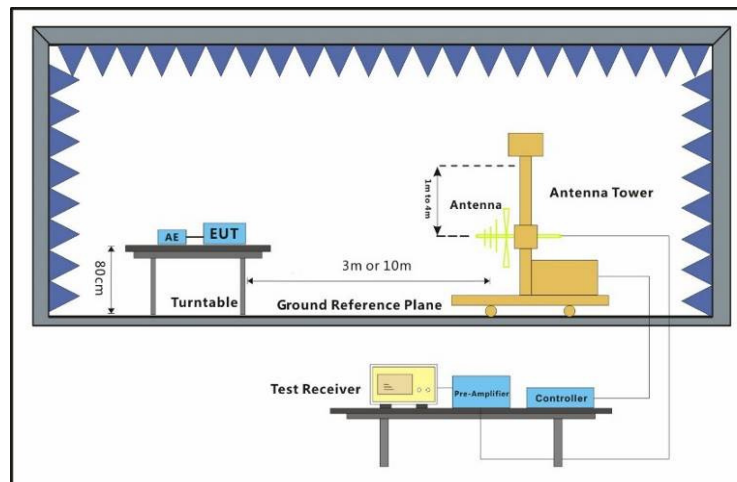
### 6.2.1 E.U.T. Operation

Operating Environment:  
 Temperature: 23.8 °C Humidity: 56.2 % RH Atmospheric Pressure: 1003 mbar

### 6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Alarm stay mode_Keep the EUT working in alarm mode(battery supply)
Pre-scan	01	Alarm away mode_Keep the EUT working in alarm mode(battery supply)
Final test	02	Charing + Alarm stay mode_Keep the EUT working in alarm mode, while keep the EUT working in charging mode.
Pre-scan	03	Charing + Alarm away mode_Keep the EUT working in alarm mode, while keep the EUT working in charging mode.

### 6.2.3 Test Setup Diagram



### 6.2.4 Measurement Procedure and Data

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

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

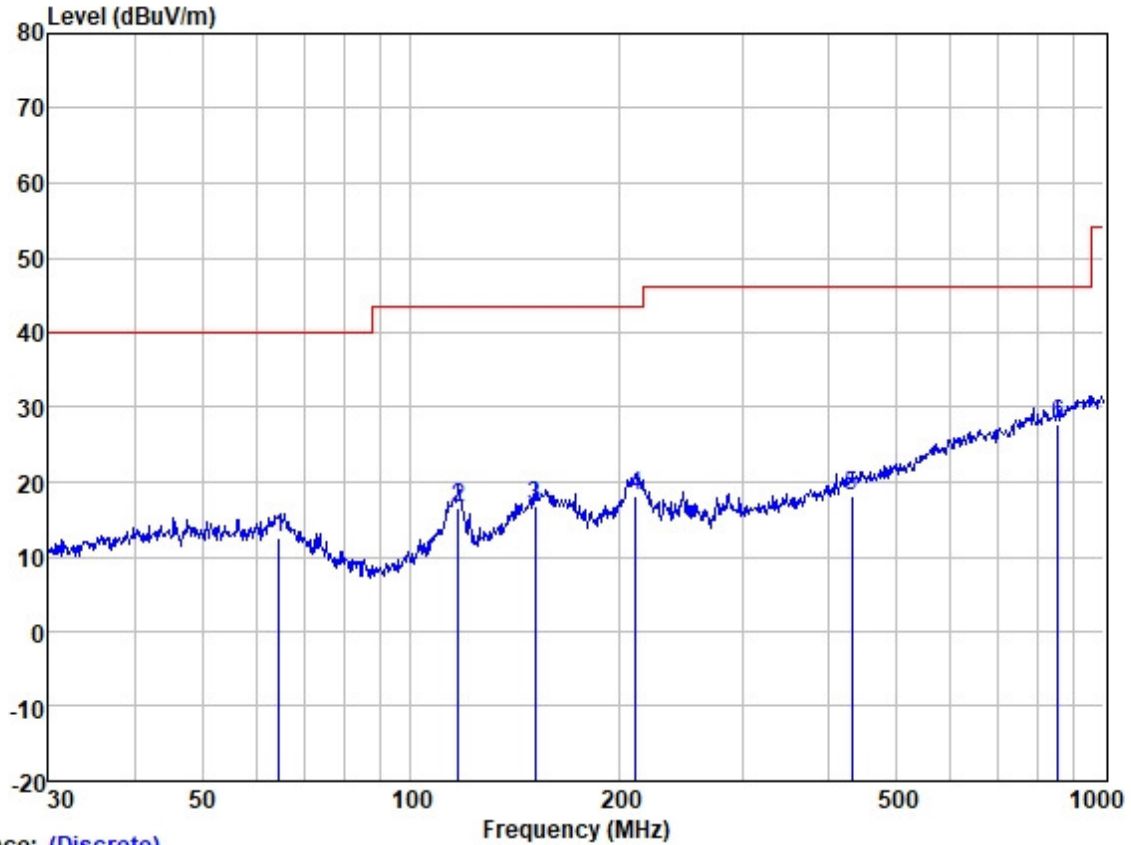


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Test sample LCD-2

Test Mode: 02; Polarity: Horizontal



Site : SGS  
Job :  
Model : 2#  
Power :  
Test Mode :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	64.433	26.04	12.22	1.34	27.15	12.45	40.00	-27.55	HORIZONTAL	QP
2	116.950	30.98	10.69	1.84	27.04	16.47	43.50	-27.03	HORIZONTAL	QP
3	151.067	27.94	13.35	2.24	26.83	16.70	43.50	-26.80	HORIZONTAL	QP
4	210.786	32.70	9.54	2.59	26.72	18.11	43.50	-25.39	HORIZONTAL	QP
5	432.546	25.18	16.40	4.09	27.51	18.16	46.00	-27.84	HORIZONTAL	QP
6	857.025	26.45	22.65	6.63	27.91	27.82	46.00	-18.18	HORIZONTAL	QP

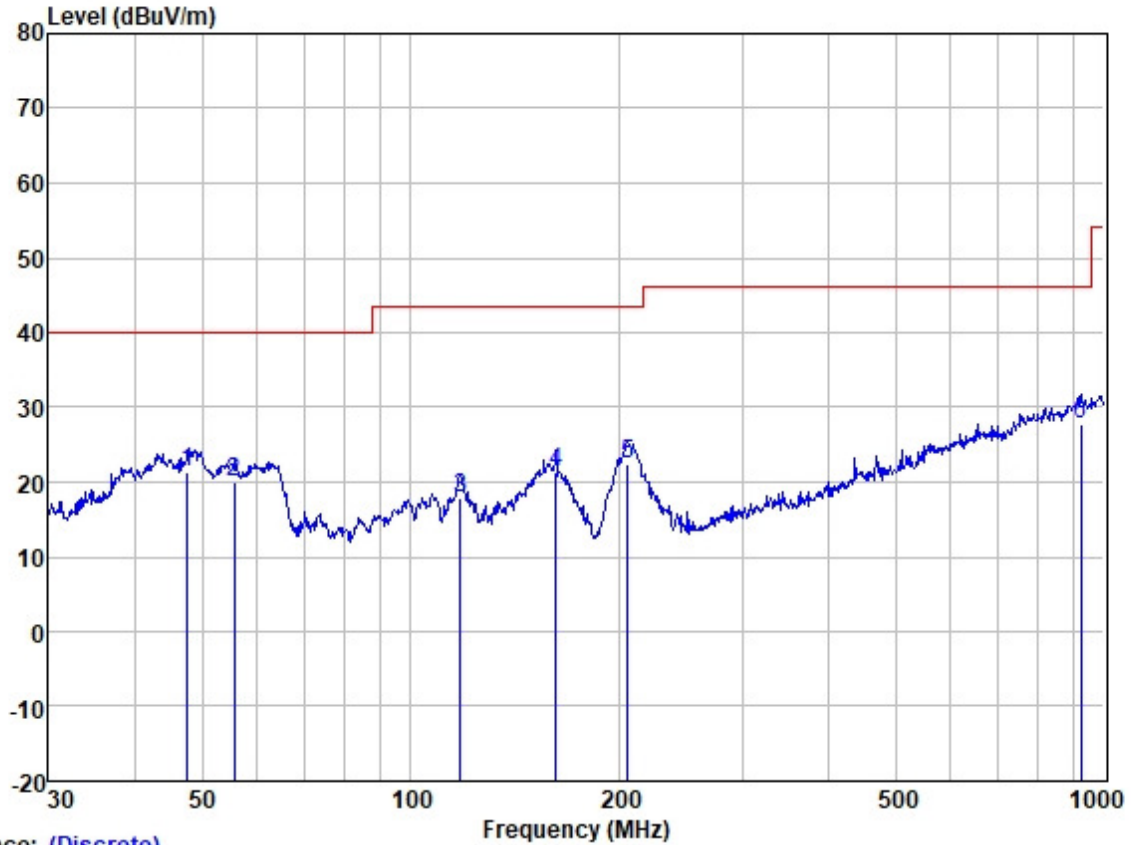


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Test sample LCD-2

Test Mode: 02; Polarity: Vertical



Trace: (Discrete)

Site : SGS  
Job :  
Model : 2#  
Power :  
Test Mode :

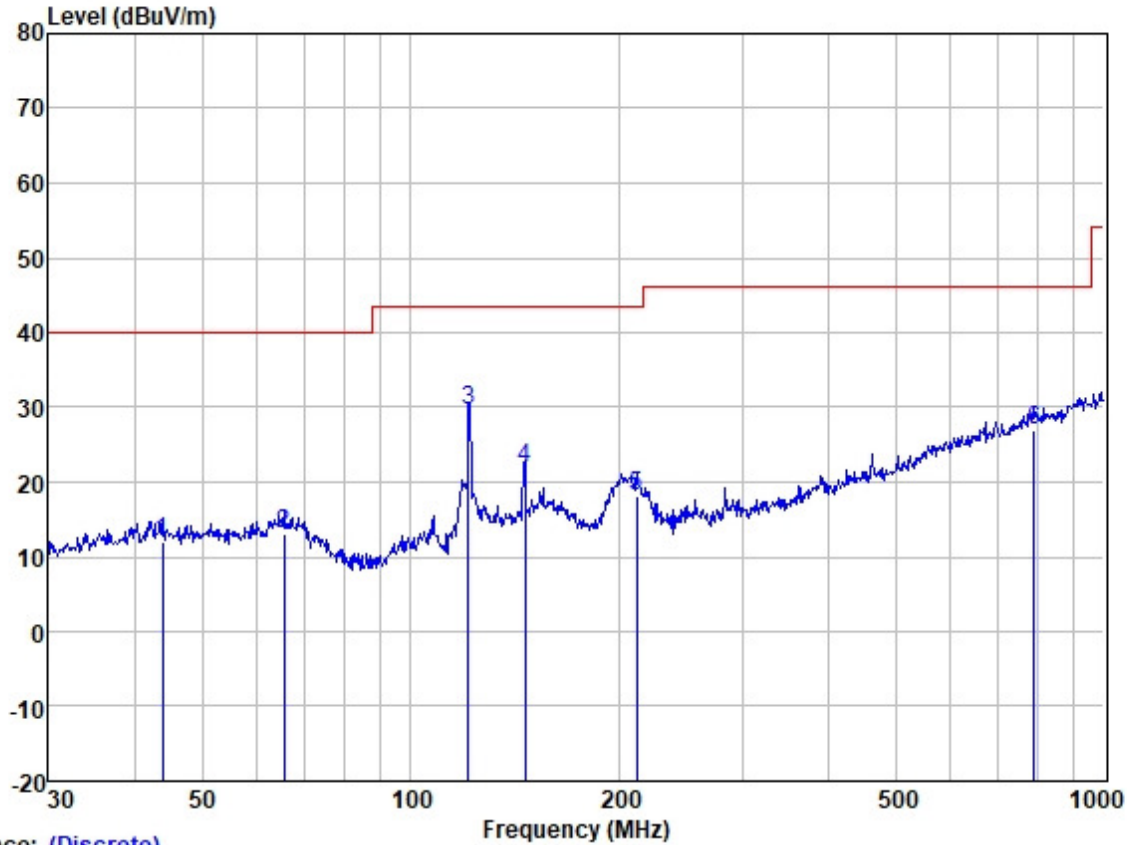
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	47.659	33.89	13.54	1.13	27.17	21.39	40.00	-18.61	VERTICAL	QP
2	55.609	32.58	13.32	1.20	27.16	19.94	40.00	-20.06	VERTICAL	QP
3	117.773	32.43	10.74	1.85	27.04	17.98	43.50	-25.52	VERTICAL	QP
4	162.041	32.45	13.25	2.34	26.79	21.25	43.50	-22.25	VERTICAL	QP
5	205.675	37.14	9.46	2.56	26.72	22.44	43.50	-21.06	VERTICAL	QP
6	925.756	24.87	23.65	7.01	27.81	27.72	46.00	-18.28	VERTICAL	QP



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Test sample LCD-1

Test Mode: 02; Polarity: Horizontal



Trace: (Discrete)

Site : SGS  
Job :  
Model : 1#  
Power :  
Test Mode :

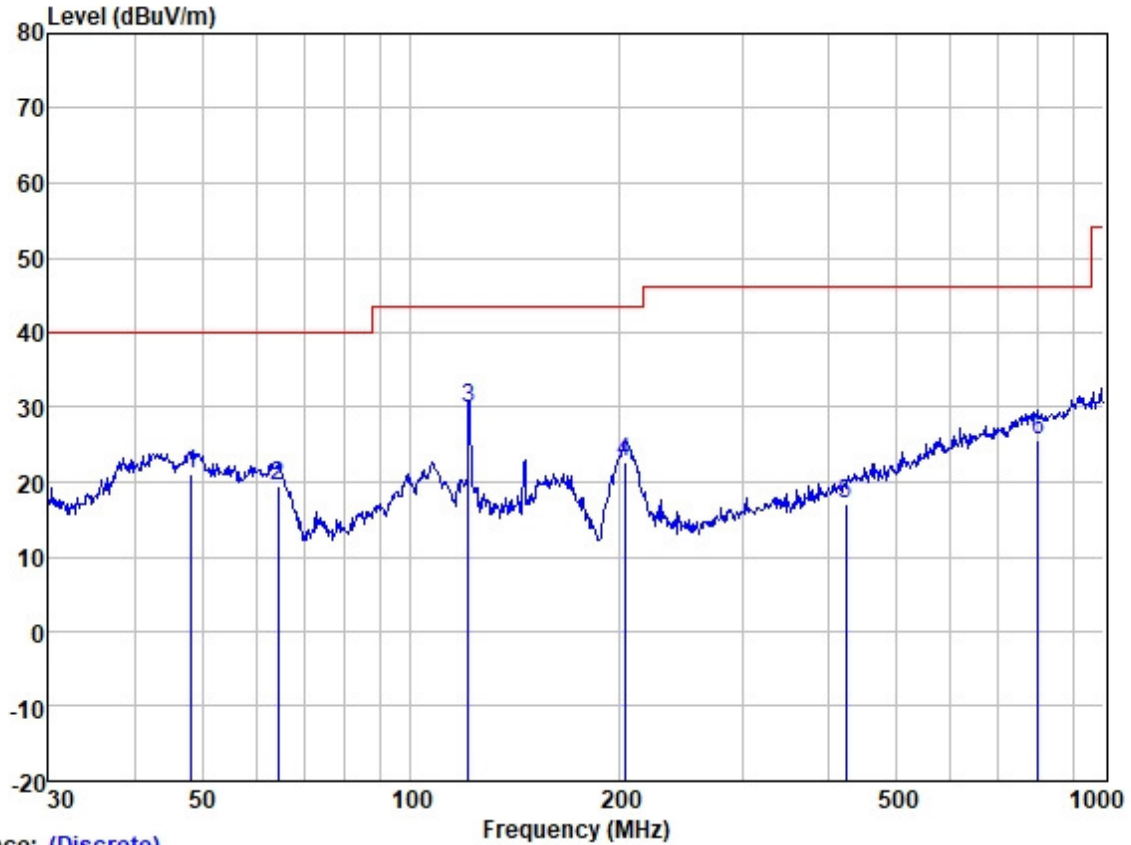
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	43.812	24.63	13.39	1.12	27.17	11.97	40.00	-28.03	HORIZONTAL	QP
2	65.573	26.87	12.04	1.35	27.15	13.11	40.00	-26.89	HORIZONTAL	QP
3	121.123	43.71	11.03	1.88	27.03	29.59	43.50	-13.91	HORIZONTAL	QP
4	145.861	33.43	13.23	2.18	26.86	21.98	43.50	-21.52	HORIZONTAL	QP
5	211.527	32.72	9.56	2.59	26.72	18.15	43.50	-25.35	HORIZONTAL	QP
6	793.396	26.49	22.44	6.14	28.04	27.03	46.00	-18.97	HORIZONTAL	QP



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Test sample LCD-1

Test Mode: 02; Polarity: Vertical



Site : SGS  
Job :  
Model : 1#  
Power :  
Test Mode :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	48.163	33.56	13.56	1.13	27.17	21.08	40.00	-18.92	VERTICAL	QP
2	64.208	33.05	12.26	1.34	27.15	19.50	40.00	-20.50	VERTICAL	QP
3	121.123	43.93	11.03	1.88	27.03	29.81	43.50	-13.69	VERTICAL	QP
4	203.523	37.27	9.52	2.54	26.73	22.60	43.50	-20.90	VERTICAL	QP
5	423.540	24.48	16.05	4.04	27.44	17.13	46.00	-28.87	VERTICAL	QP
6	801.786	24.95	22.60	6.17	28.03	25.69	46.00	-20.31	VERTICAL	QP



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### 6.3 Radiated Emissions (above 1GHz)

Test Requirement: 47 CFR Part 15, Subpart B  
 Test Method: ANSI C63.4:2014  
 Measurement Distance: 3m  
 Limit:  
 Above 1GHz 74(dBμV/m) peak, 54(dBμV/m) average  
 Detector: Peak for pre-scan (1000kHz resolution bandwidth) 1000M to18000MHz

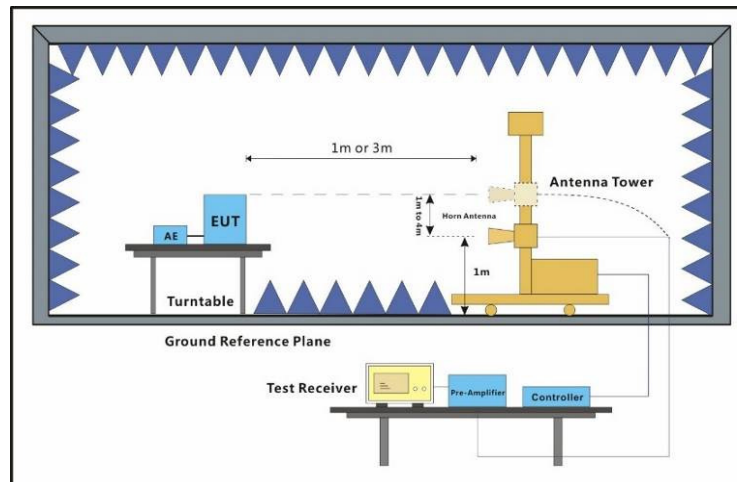
#### 6.3.1 E.U.T. Operation

Operating Environment:  
 Temperature: 23.5 °C Humidity: 56.9 % RH Atmospheric Pressure: 1003 mbar

#### 6.3.2 Test Mode Description

Pre-scan / Mode	Description
Final test Code	
Pre-scan 00	Alarm stay mode_Keep the EUT working in alarm mode(battery supply)
Pre-scan 01	Alarm away mode_Keep the EUT working in alarm mode(battery supply)
Final test 02	Charing + Alarm stay mode_Keep the EUT working in alarm mode, while keep the EUT working in charging mode.
Pre-scan 03	Charing + Alarm away mode_Keep the EUT working in alarm mode, while keep the EUT working in charging mode.

#### 6.3.3 Test Setup Diagram



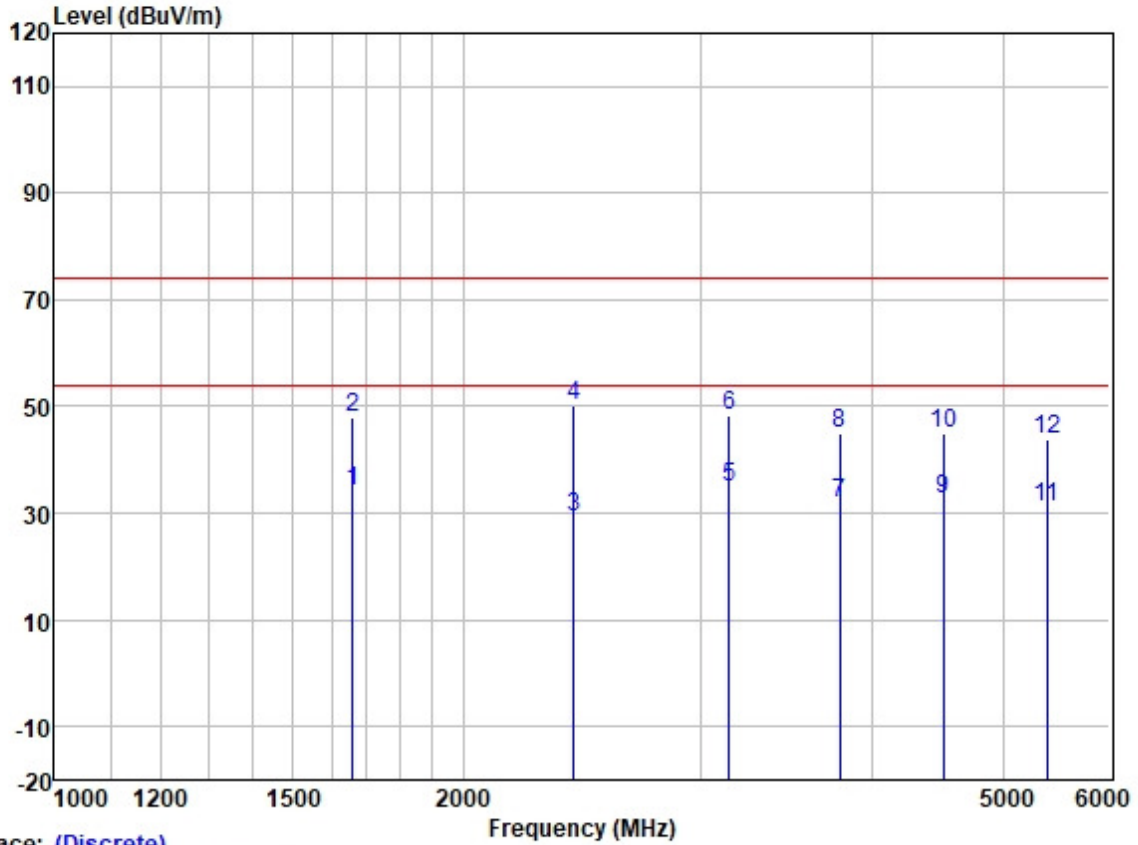
#### 6.3.4 Measurement Procedure and Data

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

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



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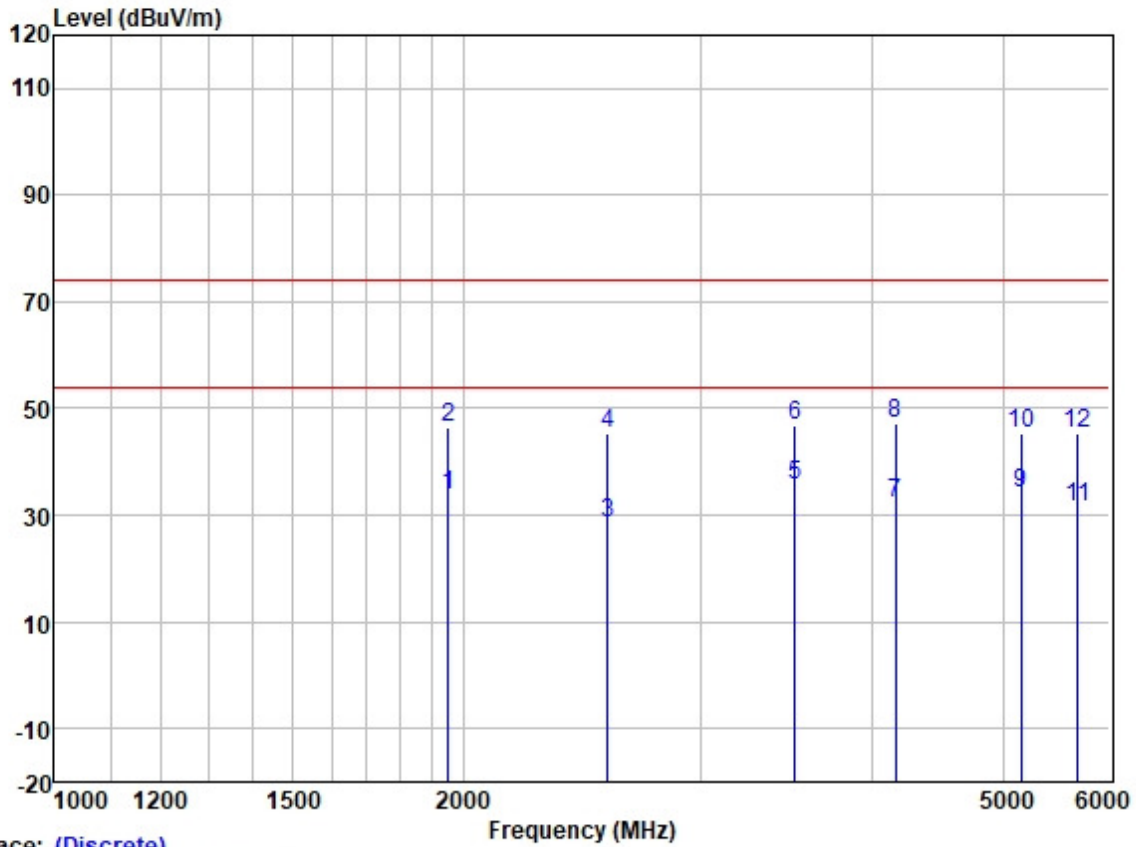
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Level	Limit	Over	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1658.337	42.86	25.65	2.89	37.34	34.06	54.00	-19.94	HORIZONTAL	Average
2	1658.337	56.82	25.65	2.89	37.34	48.02	74.00	-25.98	HORIZONTAL	Peak
3	2414.672	35.51	27.38	3.51	37.13	29.27	54.00	-24.73	HORIZONTAL	Average
4	2414.672	56.40	27.38	3.51	37.13	50.16	74.00	-23.84	HORIZONTAL	Peak
5	3145.320	39.17	28.51	4.09	36.81	34.96	54.00	-19.04	HORIZONTAL	Average
6	3145.320	52.56	28.51	4.09	36.81	48.35	74.00	-25.65	HORIZONTAL	Peak
7	3790.361	34.18	29.50	4.78	36.64	31.82	54.00	-22.18	HORIZONTAL	Average
8	3790.361	47.26	29.50	4.78	36.64	44.90	74.00	-29.10	HORIZONTAL	Peak
9	4521.140	33.39	30.83	4.87	36.62	32.47	54.00	-21.53	HORIZONTAL	Average
10	4521.140	46.04	30.83	4.87	36.62	45.12	74.00	-28.88	HORIZONTAL	Peak
11	5392.918	30.42	31.78	5.57	36.68	31.09	54.00	-22.91	HORIZONTAL	Average
12	5392.918	43.30	31.78	5.57	36.68	43.97	74.00	-30.03	HORIZONTAL	Peak



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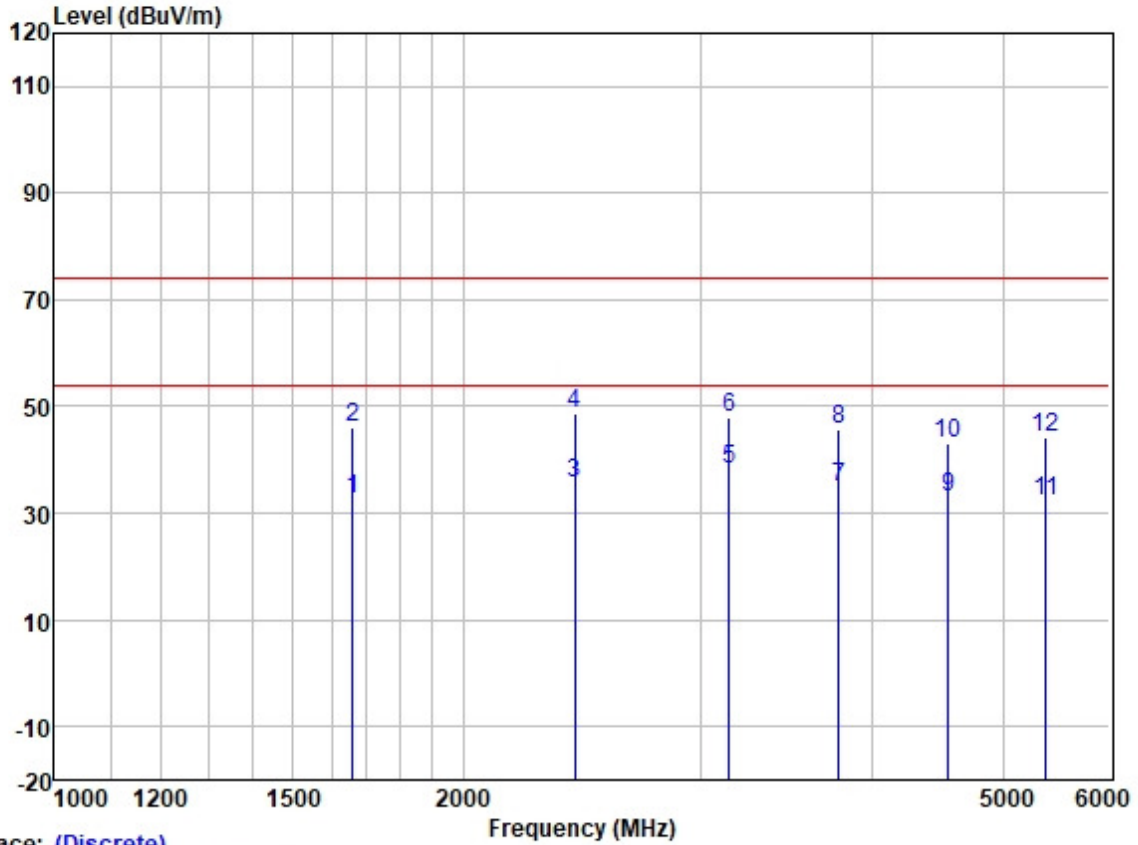


Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Level	Limit	Over	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1949.701	41.86	26.07	3.19	37.22	33.90	54.00	-20.10	VERTICAL	Average
2	1949.701	54.58	26.07	3.19	37.22	46.62	74.00	-27.38	VERTICAL	Peak
3	2558.371	34.40	27.57	3.58	37.09	28.46	54.00	-25.54	VERTICAL	Average
4	2558.371	51.32	27.57	3.58	37.09	45.38	74.00	-28.62	VERTICAL	Peak
5	3516.310	39.03	28.92	4.33	36.69	35.59	54.00	-18.41	VERTICAL	Average
6	3516.310	50.22	28.92	4.33	36.69	46.78	74.00	-27.22	VERTICAL	Peak
7	4169.698	33.89	30.09	4.96	36.60	32.34	54.00	-21.66	VERTICAL	Average
8	4169.698	48.81	30.09	4.96	36.60	47.26	74.00	-26.74	VERTICAL	Peak
9	5160.220	33.76	31.73	5.43	36.66	34.26	54.00	-19.74	VERTICAL	Average
10	5160.220	44.74	31.73	5.43	36.66	45.24	74.00	-28.76	VERTICAL	Peak
11	5680.921	30.67	31.99	5.73	36.69	31.70	54.00	-22.30	VERTICAL	Average
12	5680.921	44.24	31.99	5.73	36.69	45.27	74.00	-28.73	VERTICAL	Peak



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Trace: (Discrete)

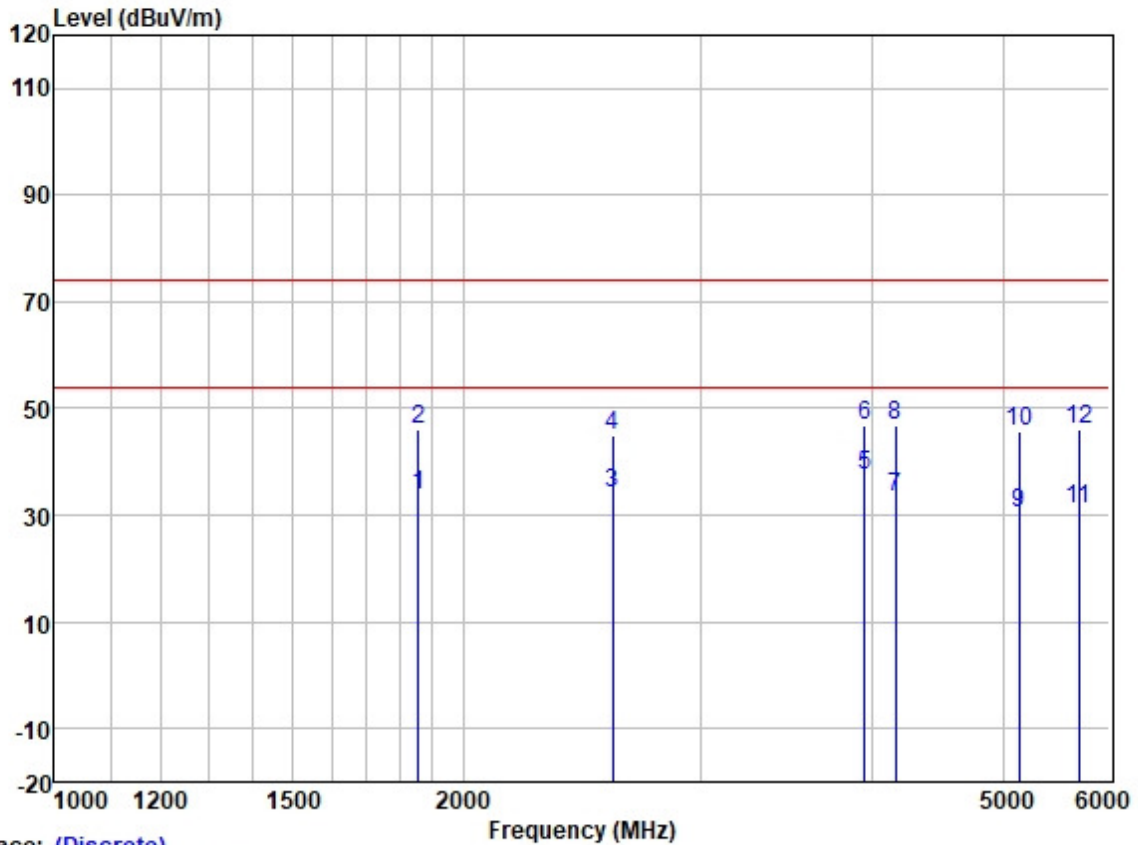
	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Level	Limit	Over	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1659.248	42.25	25.65	2.80	37.93	32.77	54.00	-21.23	HORIZONTAL	Average
2	1659.248	55.52	25.65	2.80	37.93	46.04	74.00	-27.96	HORIZONTAL	Peak
3	2416.702	42.40	27.38	3.47	37.58	35.67	54.00	-18.33	HORIZONTAL	Average
4	2416.702	55.29	27.38	3.47	37.58	48.56	74.00	-25.44	HORIZONTAL	Peak
5	3145.082	42.82	28.51	3.95	37.12	38.16	54.00	-15.84	HORIZONTAL	Average
6	3145.082	52.55	28.51	3.95	37.12	47.89	74.00	-26.11	HORIZONTAL	Peak
7	3786.219	37.51	29.50	4.60	36.86	34.75	54.00	-19.25	HORIZONTAL	Average
8	3786.219	48.48	29.50	4.60	36.86	45.72	74.00	-28.28	HORIZONTAL	Peak
9	4558.232	33.69	30.89	5.29	36.82	33.05	54.00	-20.95	HORIZONTAL	Average
10	4558.232	43.89	30.89	5.29	36.82	43.25	74.00	-30.75	HORIZONTAL	Peak
11	5385.219	31.29	31.78	6.00	36.88	32.19	54.00	-21.81	HORIZONTAL	Average
12	5385.219	43.14	31.78	6.00	36.88	44.04	74.00	-29.96	HORIZONTAL	Peak



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Test sample LCD-2

Test Mode: 02; Polarity: Vertical



Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Level	Limit	Over	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1856.264	42.52	26.00	2.94	37.78	33.68	54.00	-20.32	VERTICAL	Average
2	1856.264	55.08	26.00	2.94	37.78	46.24	74.00	-27.76	VERTICAL	Peak
3	2579.561	40.53	27.60	3.48	37.53	34.08	54.00	-19.92	VERTICAL	Average
4	2579.561	51.55	27.60	3.48	37.53	45.10	74.00	-28.90	VERTICAL	Peak
5	3956.003	40.07	29.75	4.60	36.81	37.61	54.00	-16.39	VERTICAL	Average
6	3956.003	49.24	29.75	4.60	36.81	46.78	74.00	-27.22	VERTICAL	Peak
7	4169.221	35.40	30.09	4.60	36.80	33.29	54.00	-20.71	VERTICAL	Average
8	4169.221	48.96	30.09	4.60	36.80	46.85	74.00	-27.15	VERTICAL	Peak
9	5142.902	29.79	31.72	5.62	36.86	30.27	54.00	-23.73	VERTICAL	Average
10	5142.902	45.11	31.72	5.62	36.86	45.59	74.00	-28.41	VERTICAL	Peak
11	5692.174	29.47	32.01	6.40	36.89	30.99	54.00	-23.01	VERTICAL	Average
12	5692.174	44.73	32.01	6.40	36.89	46.25	74.00	-27.75	VERTICAL	Peak



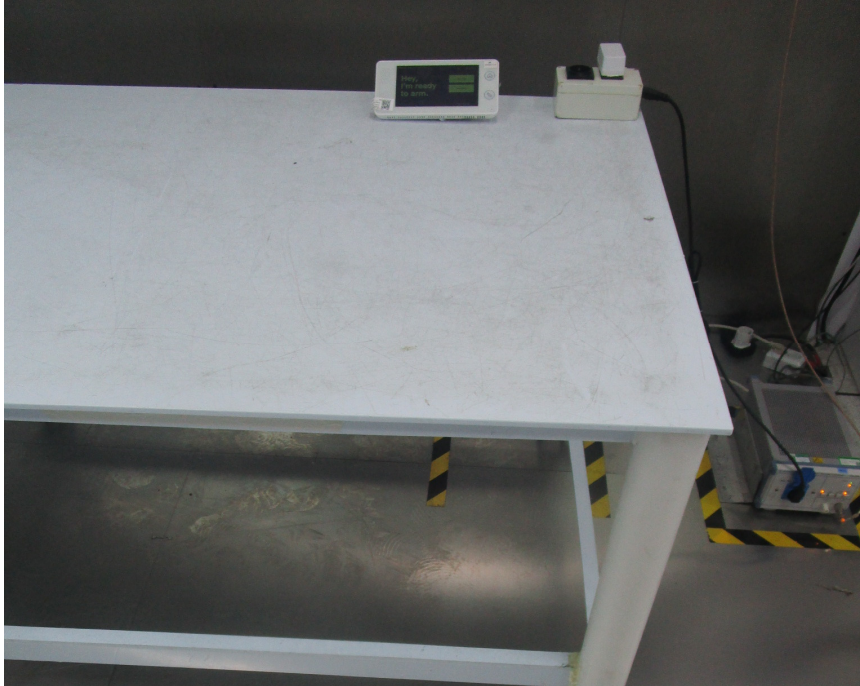
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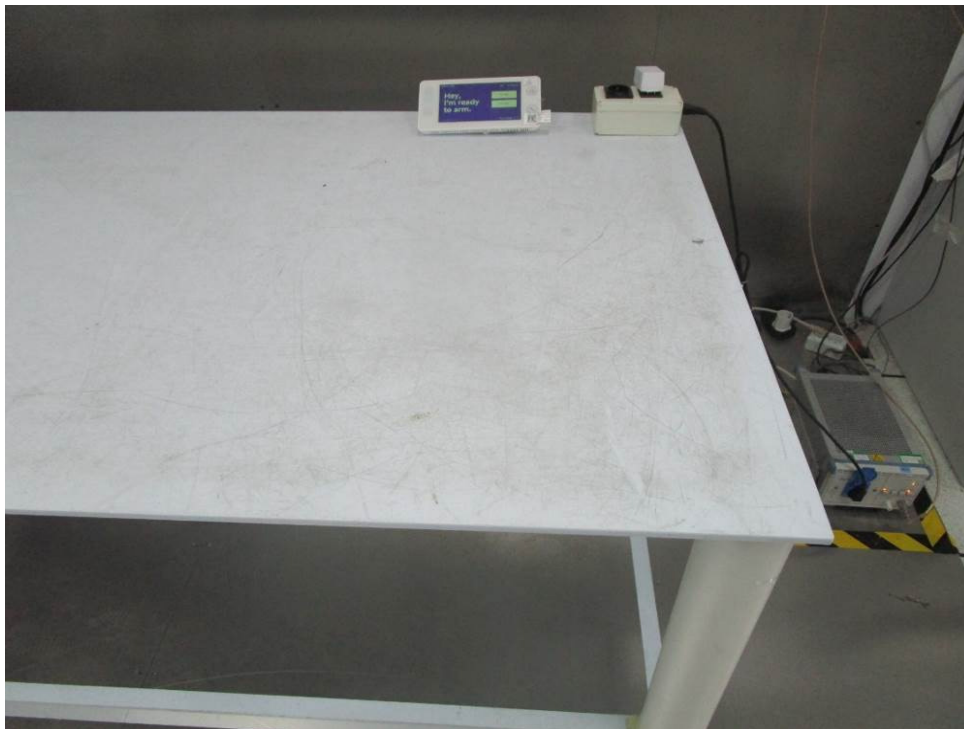
### 7 Test Setup Photo

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

Test sample LCD-1



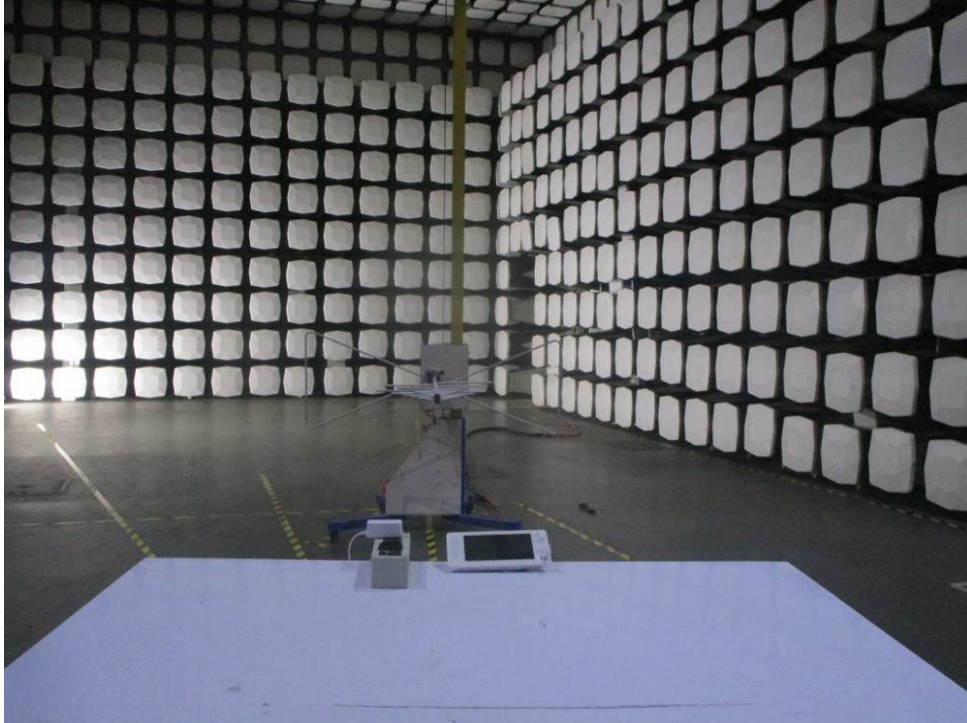
Test sample LCD-2



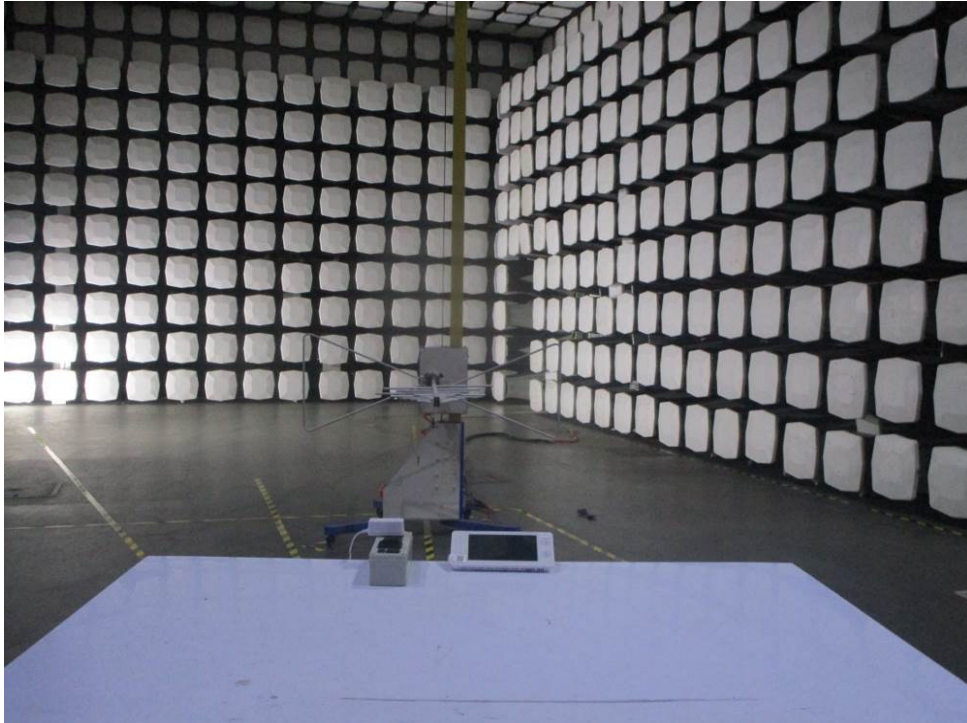
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### Radiated Emissions (30MHz-1GHz)

Test sample LCD-1



Test sample LCD-2



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### Radiated Emissions (above 1GHz)

Test sample LCD-1



Test sample LCD-2



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## 8 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for GZCR2204000354AT

- End of the Report -



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