

TEST REPORT

Application No.: FYCR2605000011AT
Applicant: Fujian LANDI Commercial Equipment Co.,Ltd.
Address of Applicant: Building 17, Area A, Software Park, No. 89, Software Avenue, Gulou District, Fuzhou, Fujian, P.R.China. 350003
Factory: ZHANGZHOU WANLIDA TECHNOLOGY CO.,LTD.
Address of Factory: Wanlida Industrial Zone Nanjing, Zhangzhou, Fujian, China
Equipment Under Test (EUT):
EUT Name: Payment Terminal
Model No.: P30E01, P30 Tablet, P30T, P30E0100, P30E0101, P30E0102, P30E0103, P30E0104, P30E0105, P30E0106, P30E0107, P30E0108, P30E0109, P30E0110, P30E0111, P30E0112, P30E0113, P30E0114, P30E0115, P30E0116, P30E0117, P30E0118, P30E0119 ♣
 ♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: LANDI
FCC ID: 2AG6N-P3T
Standard(s) : 47 CFR Part 15, Subpart C 15.225
Date of Receipt: 2026-04-10
Date of Test: 2026-04-11 to 2026-07-02
Date of Issue: 2026-07-06

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



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 Shenzhen Branch

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-07-06		Original

Authorized for issue by:				
		Byron Liang		
		Byron Liang/Project Engineer		
		Tree Zhan		
		Tree Zhan/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.225	N/A	47 CFR Part 15, Subpart C 15.203	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at Mains Terminals (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2020) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
20dB Bandwidth		ANSI C63.10 (2020) Section 6.9	47 CFR Part 15, Subpart C 15.215	Pass
Emission Mask		ANSI C63.10 (2020) Section 6.4	47 CFR Part 15, Subpart C 15.225(a)&(b)&(C)	Pass
Frequency tolerance		ANSI C63.10 (2020) Section 6.8	47 CFR Part 15, Subpart C 15.225(e)	Pass
Radiated Emissions (9kHz-30MHz)		ANSI C63.10 (2020) Section 6.4	47 CFR Part 15, Subpart C 15.225(d) & 15.209	Pass
Radiated Emissions (30MHz-1GHz)		ANSI C63.10 (2020) Section 6.5	47 CFR Part 15, Subpart C 15.225(d) & 15.209	Pass

Declaration of EUT Family Grouping:

Model No.: P30E01, P30 Tablet, P30T, P30E0100, P30E0101, P30E0102, P30E0103, P30E0104, P30E0105, P30E0106, P30E0107, P30E0108, P30E0109, P30E0110, P30E0111, P30E0112, P30E0113, P30E0114, P30E0115, P30E0116, P30E0117, P30E0118, P30E0119

To enable sales region segmentation, additional distinct models will be provisioned as alternatives. These models are fully identical in all specifications and configurations, differing only in their model names.

Only the model P30E01 was tested, since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used, internal wiring and functions were identical for all the above models, with only difference between the circuit with a battery and the one without a battery, as well as the differences in the scanning dock version as below:

HVIN	Battery	Scanner 1	Scanner 2
P3TBC	√	Scanner Model:SE4100	×
P3TBB	√	×	Scanner Model:CM30
P3TBA	√	×	×
P3TAC	×	Scanner Model:SE4100	×
P3TAB	×	×	Scanner Model:CM30
P3TAA	×	×	×

Therefore, all tests were performed on all HVIN P3TBC on the report.



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC3.8V by li-ion battery(5000mAh) Recharged by power adapter Adapter M/N1:HJ-C6-33 Adapter Input:AC100-240V, 50/60Hz, 0.8A Adapter Output:DC5V/3A, 9V/3A, 12V/2.5A, 15V/2A, 20V/1.5A, 3.3-11V/3A Adapter M/N2:HJ-PD45W Adapter Input:AC100-240V, 50/60Hz, 1.5A Adapter Output:DC5V/3A, 9V/3A, 12V/2.5A, 15V/2A, 20V/2.25A, 5-20V/2.25A Adapter M/N3:TPD-203A120167UF01 Adapter Input:AC100-240V, 50/60Hz, 0.6A Adapter Output:DC5V/3A, 9V/2.22A, 12V/1.67A
Cable(s):	USB type C cable:1m shielded cable without ferrite core
Operation Frequency:	13.56MHz
Modulation Type:	ASK
Antenna Type:	Loop Antenna

Remark:The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

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



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4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at Mains Terminals (150kHz-30MHz)	$\pm 3.2\text{dB}$
20dB Bandwidth	$\pm 0.34\%$
Emission Mask	$\pm 2.3\text{dB}$
Frequency tolerance	$\pm 5.4 \times 10^{-8}$
Radiated Emissions (9kHz-30MHz)	$\pm 2.3\text{dB}$
Radiated Emissions (30MHz-1GHz)	$\pm 5.7\text{dB}$

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.
- the measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.



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4.4 Test Location

All tests were performed at:

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Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 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. 6606.01)**

Compliance Certification Services(Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6606.01.

- **FCC –Designation Number: CN1322**

Compliance Certification Services(Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

- **Innovation, Science and Economic Development Canada**

Compliance Certification Services(Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	CRT	N/A	SEM001-14	2025/10/13	2028/10/12
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-01	2026/2/5	2027/2/4
Two-Line V-Network	Rohde & Schwarz	ENV216	SEM007-24	2026/2/5	2027/2/4
Two-Line V-Network	Rohde & Schwarz	ESH3-Z5	SEM007-22	2026/2/5	2027/2/4
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

Radiated Emissions (9kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Loop Antenna	ETS-LINDGREN	6502	SEM003-43	2025/6/16	2027/6/15
MXE EMI receiver	Agilent	N9038A	SEM004-05	2025/7/21	2026/7/20
Pre-amplifier	HP	8447D	SEM005-02	2025/7/21	2026/7/20
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM035-01	2025/5/13 2026/5/12	2026/5/12 2027/5/11

Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-26	2025/8/29	2027/08/28
MXE EMI receiver	Agilent	N9038A	SEM004-05	2025/7/21	2026/7/20
Pre-amplifier	HP	8447D	SEM005-02	2025/7/21	2026/7/20
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM035-01	2025/5/13 2026/5/12	2026/5/12 2027/5/11

Emission Mask					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Anechoic Chamber	CRT	N/A	SEM001-13	2025/10/13	2028/10/12
Loop Antenna	ETS-LINDGREN	6502	SEM003-43	2025/6/16	2027/6/15
MXE EMI receiver	Agilent	N9038A	SEM004-05	2025/7/21	2026/7/20
Pre-amplifier	HP	8447D	SEM005-02	2025/7/21	2026/7/20



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Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM035-01	2025/5/13 2026/5/12	2026/5/12 2027/5/11

RF Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2026/2/3	2027/2/2
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-01	2026/2/5	2027/2/4
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2026/2/5	2027/2/4
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2026/2/2	2027/2/1

General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2026-02-14	2027-02-13



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement.

Antenna location: Refer to Internal photos



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7 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method: ANSI C63.10 (2020) Section 6.2

Test Engineer: Fly Yan

Limit:

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C

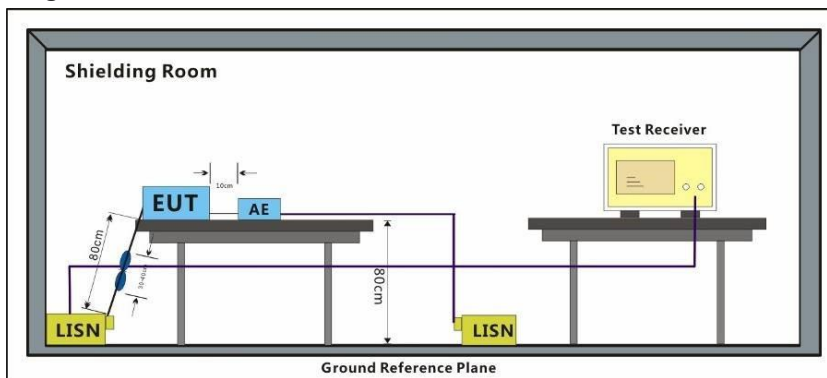
Humidity: 50.3 % RH

Atmospheric Pressure: 1000 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	TX mode with modulation

7.1.3 Test Setup Diagram



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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 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

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



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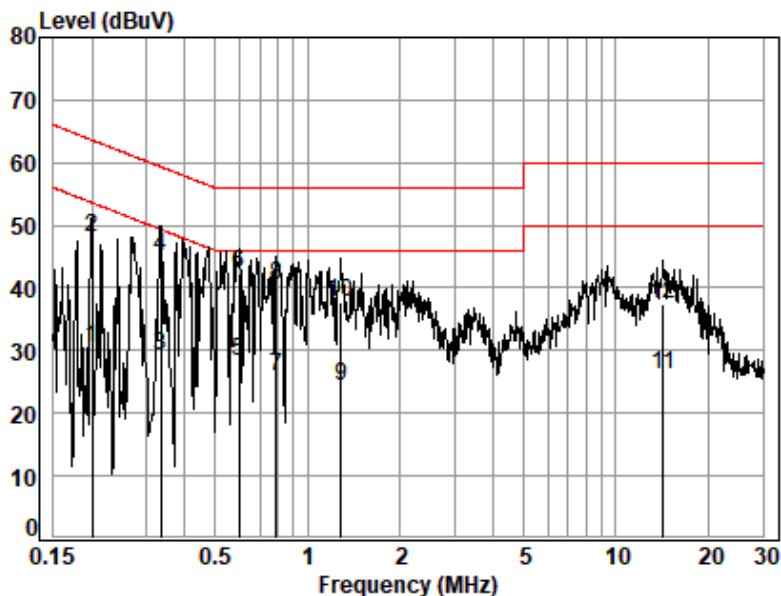
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Test Mode: 13; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 00011AT
Test mode: 13

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1997	0.04	9.72	20.62	30.38	53.62	-23.24	Average
2	0.1997	0.04	9.72	38.19	47.95	63.62	-15.67	QP
3	0.3338	0.05	9.72	19.30	29.07	49.35	-20.28	Average
4	0.3338	0.05	9.72	35.39	45.16	59.35	-14.19	QP
5	0.6011	0.05	9.72	18.64	28.41	46.00	-17.59	Average
6	0.6011	0.05	9.72	32.45	42.22	56.00	-13.78	QP
7	0.7918	0.04	9.73	16.23	26.00	46.00	-20.00	Average
8	0.7918	0.04	9.73	30.79	40.56	56.00	-15.44	QP
9	1.2824	0.01	9.75	14.54	24.30	46.00	-21.70	Average
10	1.2824	0.01	9.75	28.01	37.77	56.00	-18.23	QP
11	14.2882	0.09	9.73	16.47	26.29	50.00	-23.71	Average
12	14.2882	0.09	9.73	27.62	37.44	60.00	-22.56	QP



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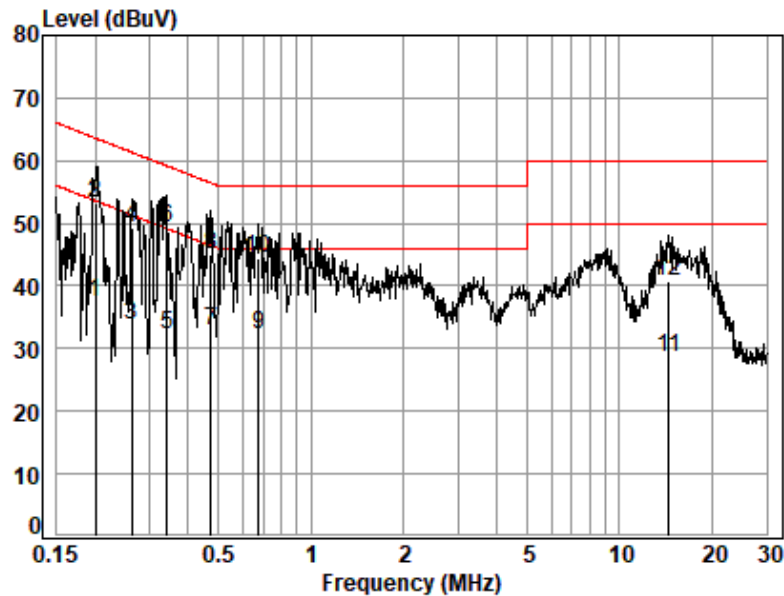
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Test Mode: 13; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 00011AT
Test mode: 13

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.2007	0.04	9.72	27.66	37.42	53.58	-16.16	Average
2	0.2007	0.04	9.72	43.49	53.25	63.58	-10.33	QP
3	0.2630	0.04	9.72	23.86	33.62	51.34	-17.72	Average
4	0.2630	0.04	9.72	39.41	49.17	61.34	-12.17	QP
5	0.3410	0.05	9.72	22.45	32.22	49.18	-16.96	Average
6	0.3410	0.05	9.72	39.44	49.21	59.18	-9.97	QP
7	0.4736	0.02	9.71	23.07	32.80	46.45	-13.65	Average
8	0.4736	0.02	9.71	35.36	45.09	56.45	-11.36	QP
9	0.6790	0.02	9.71	22.59	32.32	46.00	-13.68	Average
10	0.6790	0.02	9.71	34.77	44.50	56.00	-11.50	QP
11	14.4404	0.09	9.84	18.79	28.72	50.00	-21.28	Average
12	14.4404	0.09	9.84	30.72	40.65	60.00	-19.35	QP



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7.2 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215
 Test Method: ANSI C63.10 (2020) Section 6.9
 Test Engineer: Lan Li

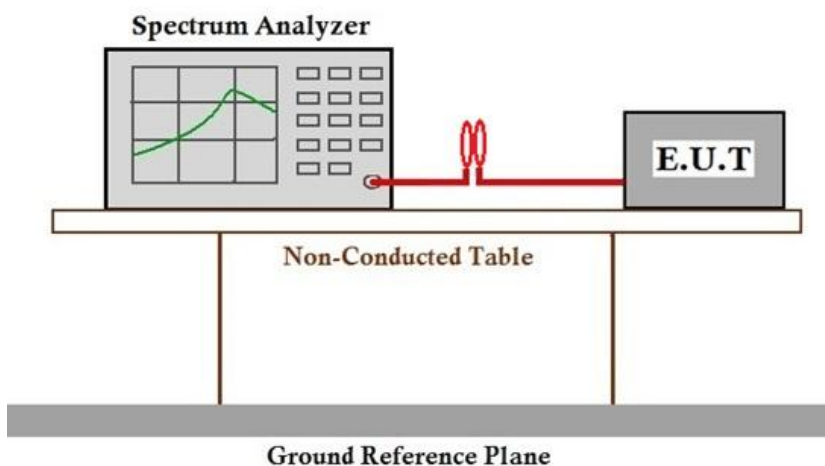
7.2.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.3 °C Humidity: 50.3 % RH Atmospheric Pressure: 1000 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	TX mode with modulation

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

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

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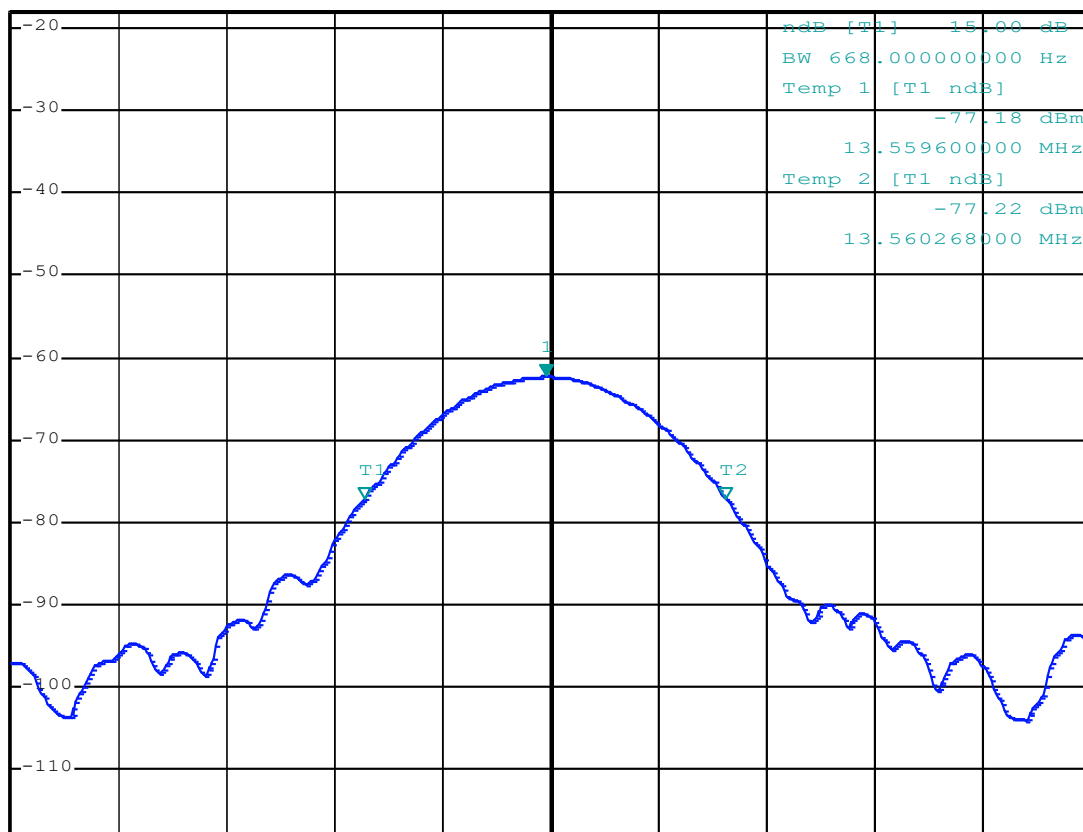
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f_L (MHz)	f_H (MHz)	f_c (MHz)	Limit(MHz)	Result
13.559600	13.560268	13.559360	13.553 to 13.567	PASS



*RBW 300 Hz Marker 1 [T1]
 *VBW 1 kHz -62.35 dBm
 Ref -18 dBm *Att 0 dB SWT 35 ms 13.55936000 MHz

1 PK
VIEW



Center 13.55944 MHz 200 Hz/ Span 2 kHz



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7.3 Emission Mask

Test Requirement 47 CFR Part 15, Subpart C 15.225(a)&(b)&(C)
 Test Method: ANSI C63.10 (2020) Section 6.4
 Test Engineer: Lan Li

Limit:

- (a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- (c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- (d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.

Below 30MHz

The limit at 3m test distance is below:

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

where

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

The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 124dBμV/m at 3 meters

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 50.3 % RH Atmospheric Pressure: 1000 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	TX mode with modulation

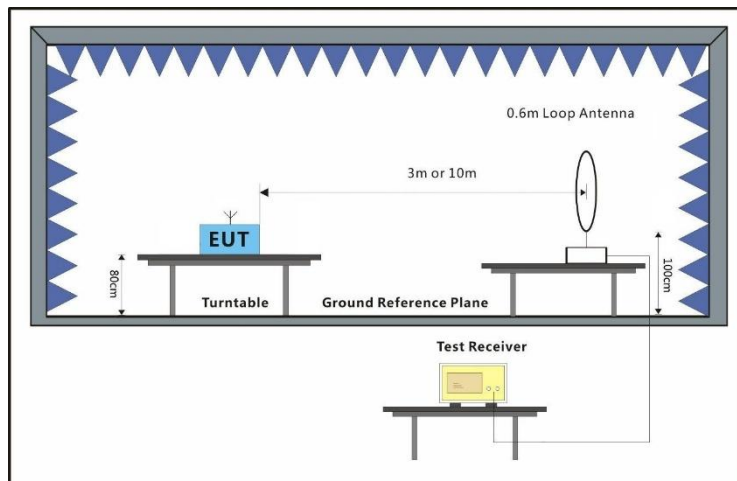


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7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

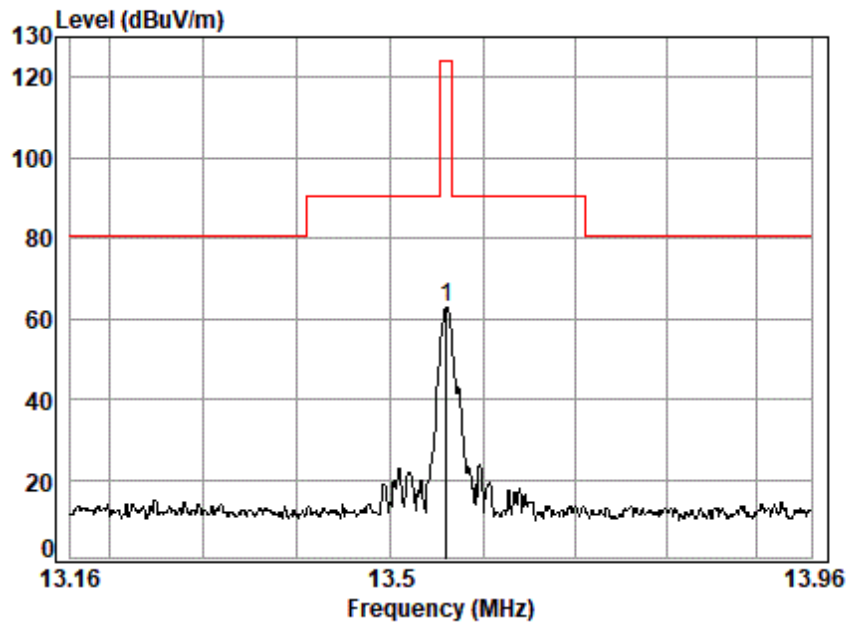
For testing performed with the loop antenna, the center of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specified distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated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

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Site : chamber

Condition: 3m

Job No. : 00011AT/00012AT

Test Mode: 13

: coaxial

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	13.56	0.51	8.44	33.14	86.75	62.56	124.00	-61.44



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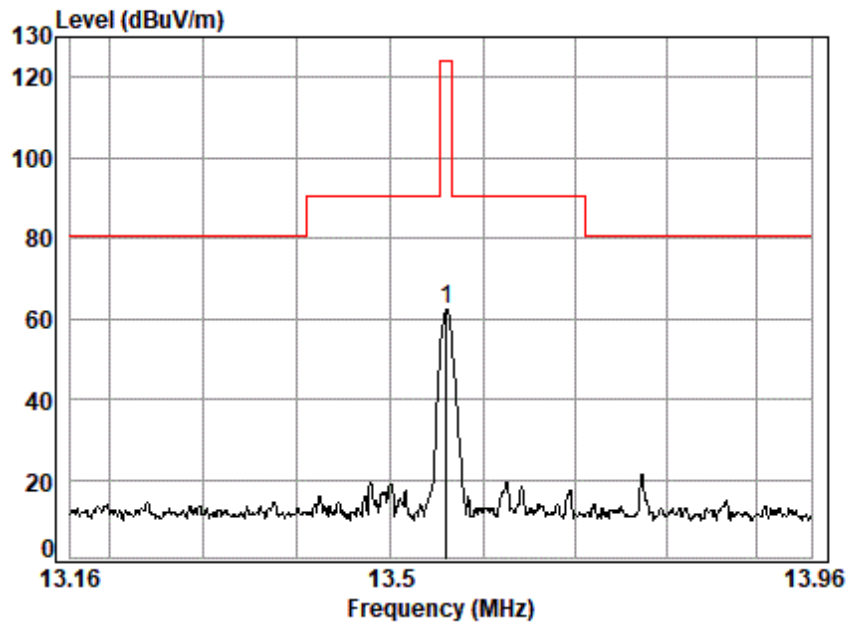
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Site : chamber

Condition: 3m

Job No. : 00011AT/00012AT

Test Mode: 13

: coplanar

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	13.56	0.51	8.44	33.14	86.64	62.45	124.00	-61.55



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7.4 Frequency tolerance

Test Requirement 47 CFR Part 15, Subpart C 15.225(e)

Test Method: ANSI C63.10 (2020) Section 6.8

Test Engineer: Lan Li

Limit:

$\pm 0.01\%$

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C

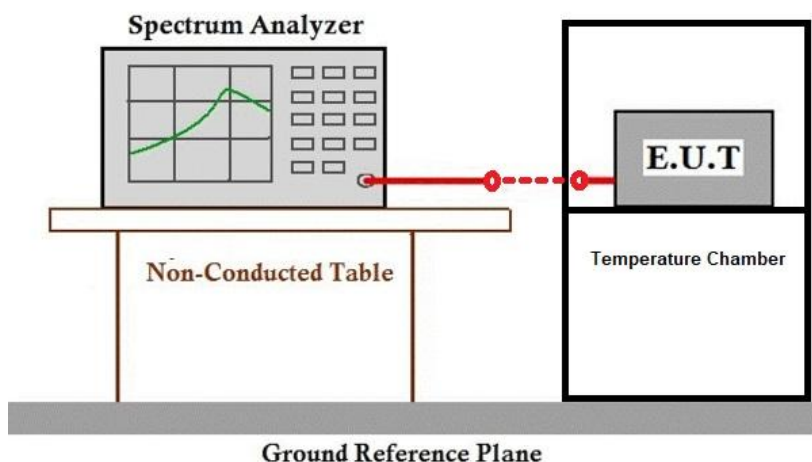
Humidity: 50.3 % RH

Atmospheric Pressure: 1000 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	TX mode with modulation

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

The EUT was placed in an environmental test chamber and powered such that control element received normal voltage and the transmitter provided maximum RF output.



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Temperature (°C)	Voltage(VDC)	Measurement Frequency(MHz)	Frequency Tolerance (%)	Limit (%)	Result
50	3.8	13.559986	-0.000103	±0.01	Pass
40		13.559985	-0.000111		Pass
30		13.559985	-0.000111		Pass
20		13.559989	-0.000081		Pass
10		13.559982	-0.000133		Pass
0		13.559987	-0.000096		Pass
-10		13.559987	-0.000096		Pass
-20		13.559982	-0.000133		Pass
20	4.35	13.559990	-0.000074		Pass
	3.5	13.559989	-0.000081		Pass



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7.5 Radiated Emissions (9kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.225(d) & 15.209

Test Method: ANSI C63.10 (2020) Section 6.4

Measurement Distance: 3m

Test Engineer: Rex Liu

Limit:

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

Note

1. The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

2. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3m test distance).

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 20.4 °C

Humidity: 51.9 % RH

Atmospheric Pressure: 1000 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	TX mode with modulation

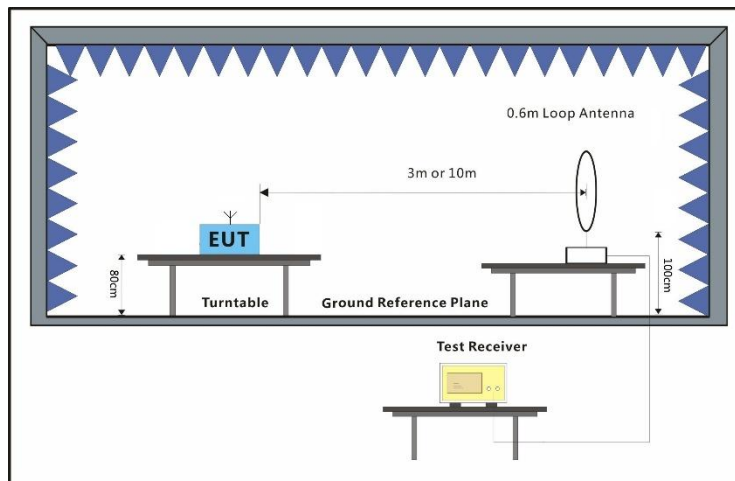


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7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

- For below 30MHz, the EUT was placed on the top of a rotating table 0.8m above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3m away from the interference-receiving antenna which was mounted on the antenna tower 1m above the ground.
- For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- 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 below 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.



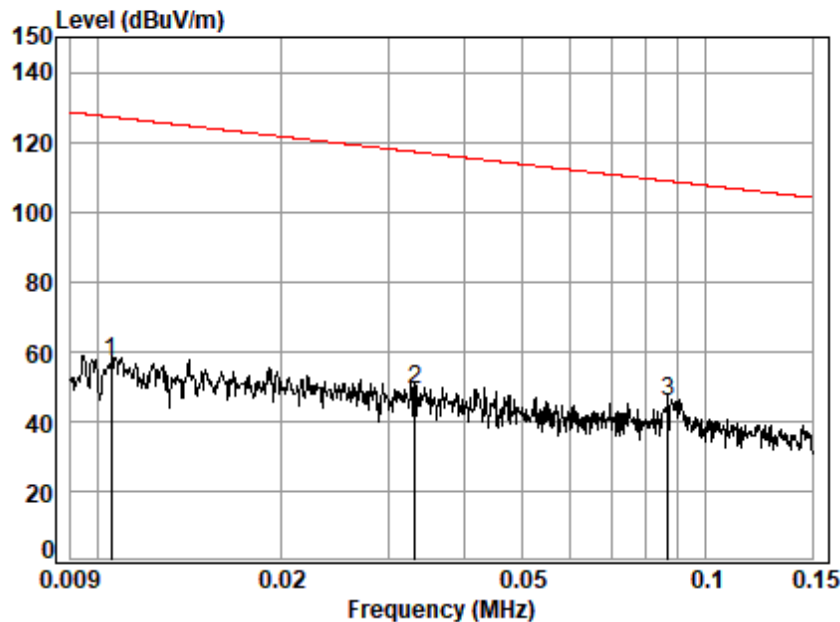
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Site : chamber

Condition: 3m

Job No. : 00011AT

Test Mode: 13

: coaxial

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	0.01	0.23	18.01	30.80	69.59	57.03	127.18	-70.15 Average
2	0.03	0.26	11.73	31.57	68.67	49.09	117.16	-68.07 Average
3	0.09	0.30	10.13	32.21	67.36	45.58	108.82	-63.24 Average



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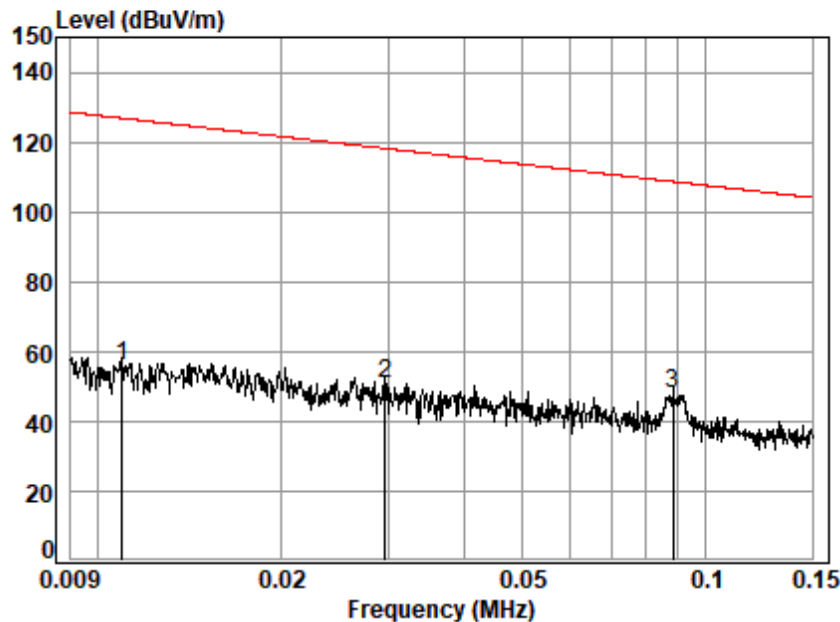
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Site : chamber

Condition: 3m

Job No. : 00011AT

Test Mode: 13

: coplanar

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	0.01	0.23	17.75	30.83	69.00	56.15	126.83	-70.68 Average
2	0.03	0.26	12.06	31.49	70.08	50.91	118.16	-67.25 Average
3	0.09	0.30	10.11	32.22	69.70	47.89	108.65	-60.76 Average



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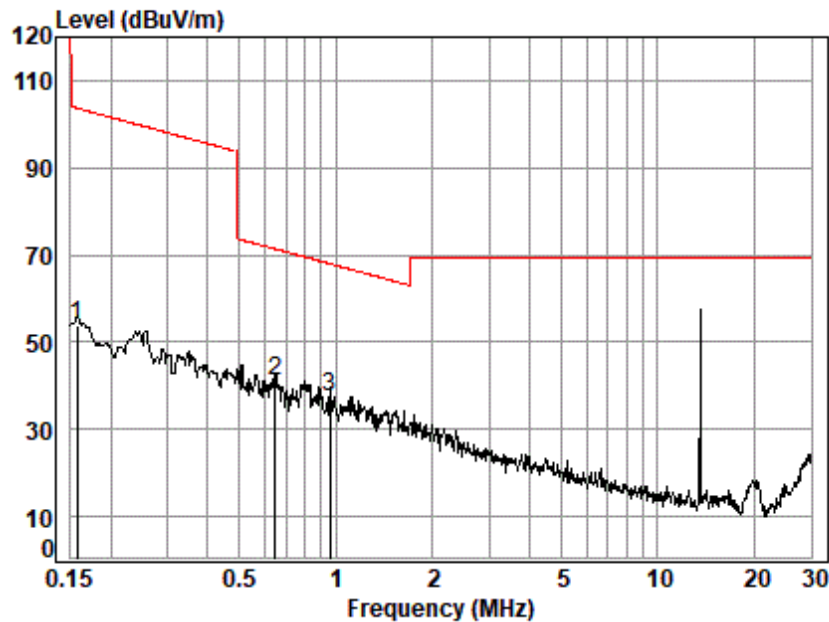
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Site : chamber

Condition: 3m

Job No. : 00011AT

Test Mode: 13

: coaxial

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	0.16	0.34	9.83	32.09	75.87	53.95	103.67	-49.72 Average
2	0.65	0.41	9.55	32.55	63.66	41.07	71.38	-30.31 QP
3	0.96	0.42	9.49	32.32	59.95	37.54	67.98	-30.44 QP



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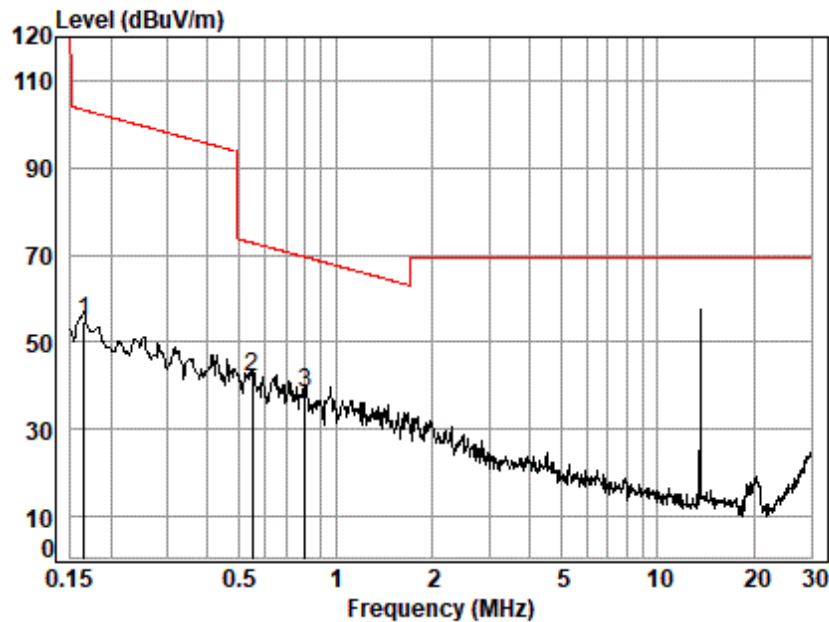
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Site : chamber

Condition: 3m

Job No. : 00011AT

Test Mode: 13

: coplanar

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	0.17	0.33	9.81	32.07	76.90	54.97	103.25	-48.28 Average
2	0.55	0.41	9.57	32.65	64.68	42.01	72.81	-30.80 QP
3	0.80	0.42	9.52	32.43	60.76	38.27	69.49	-31.22 QP



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7.6 Radiated Emissions (30MHz-1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.225(d) & 15.209
 Test Method: ANSI C63.10 (2020) Section 6.5
 Measurement Distance: 3m
 Test Engineer: Rex Liu

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 20.4 °C Humidity: 51.6 % RH Atmospheric Pressure: 1000 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	TX mode with modulation

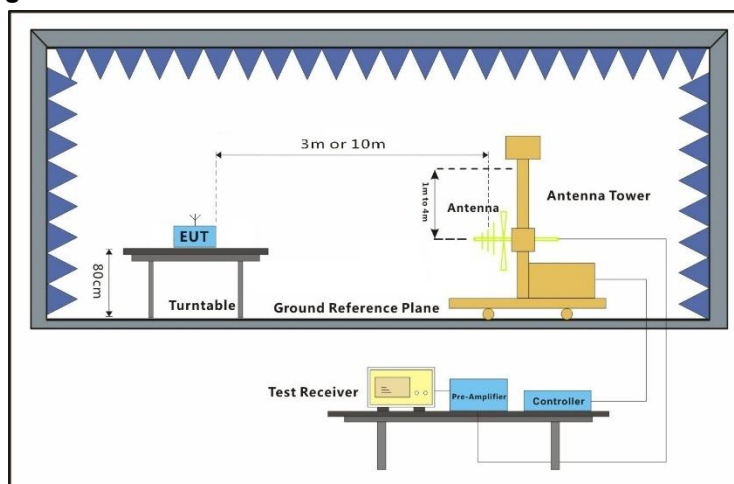


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7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8m above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3m or 10m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- The antenna height is varied from 1m to 4m 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.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1m to 4m and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.



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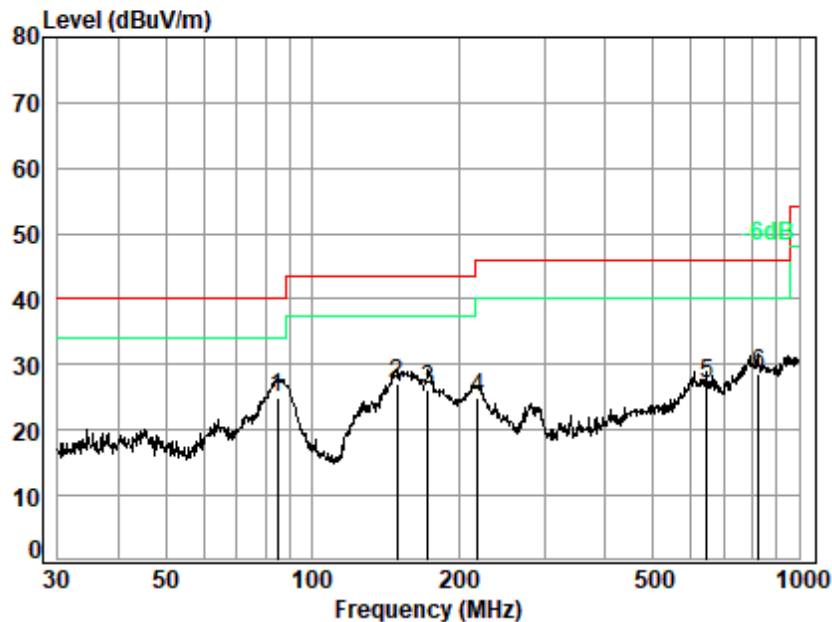
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Test Mode: 13; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00011AT/00012AT
Mode : 13

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	85.00	0.62	12.18	26.05	38.21	24.96	40.00	-15.04	QP
2	149.49	1.30	17.41	25.64	34.13	27.20	43.50	-16.30	QP
3	173.21	0.80	16.51	25.55	34.37	26.13	43.50	-17.37	QP
4	218.31	0.90	13.95	25.40	35.43	24.88	46.00	-21.12	QP
5	647.39	2.76	24.49	26.55	26.25	26.95	46.00	-19.05	QP
6	824.60	3.23	26.65	26.47	25.08	28.49	46.00	-17.51	QP



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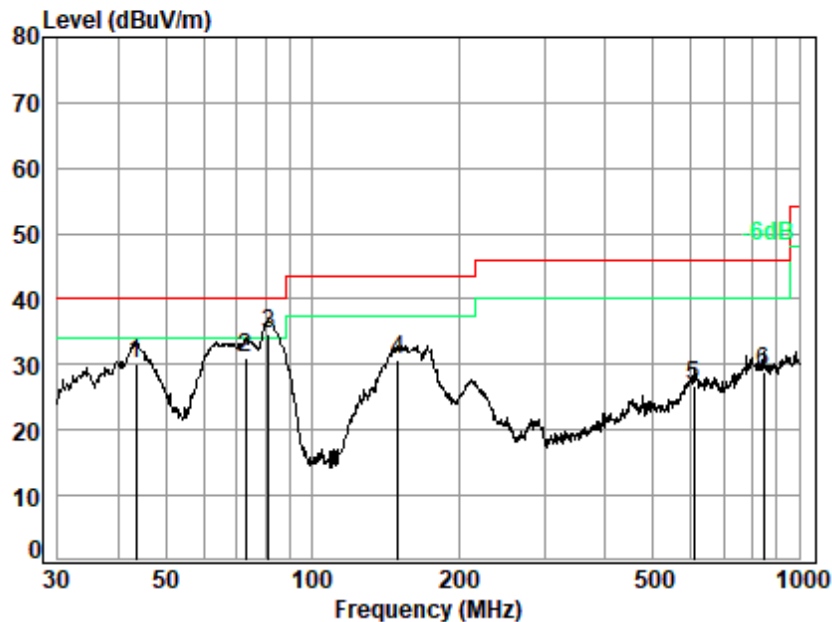
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Test Mode: 13; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 00011AT/00012AT
Mode : 13

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	43.35	0.47	17.53	26.11	38.31	30.20	40.00	-9.80 QP
2	72.85	0.44	15.88	26.10	40.75	30.97	40.00	-9.03 QP
3	81.50	0.69	12.81	26.08	47.29	34.71	40.00	-5.29 QP
4	150.01	1.30	17.41	25.64	37.78	30.85	43.50	-12.65 QP
5	607.79	3.40	24.21	26.56	25.59	26.64	46.00	-19.36 QP
6	845.09	3.03	26.84	26.45	25.45	28.87	46.00	-17.13 QP



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for FYCR2605000011AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix_Photographs of EUT Constructional Details for FYCR2605000011AT

- End of the Report -



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