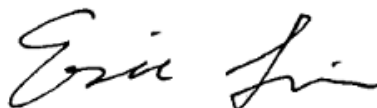


# TEST REPORT

**Application No.:** KSEM2107001129CR  
**FCC ID:** 2AH25T5F01  
**Applicant:** Shanghai Sunmi Technology Co.,Ltd.  
**Address of Applicant:** Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China  
**Manufacturer:** Shanghai Sunmi Technology Co.,Ltd.  
**Address of Manufacturer:** Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China  
**Factory:** Shanghai Sunmi Technology Co.,Ltd.  
**Address of Factory:** Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China  
**Equipment Under Test (EUT):**  
**EUT Name:** Wireless data POS System  
**Model No.:** T5F01  
**Trade mark:** SUNMI  
**Standard(s) :** 47 CFR Part 15, Subpart C 15.225  
**Date of Receipt:** 2021-02-07  
**Date of Test:** 2021-05-18 to 2021-07-02  
**Date of Issue:** 2021-07-05

**Test Result:**

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



Eric Lin

Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.



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Revision Record			
Version	Description	Date	Remark
00	Original	2021-07-05	/

Authorized for issue by:			
		Damon Zhou	
		Damon Zhou / Project Engineer	
		Eric Lin	
		Eric Lin / Reviewer	



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## 2 Test Summary

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

Radio Spectrum Matter Part			
Item	FCC Requirement	Method	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2013) Section 6.2	Pass
20dB Bandwidth	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2013) Section 6.9	Pass
Emission Mask	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2013) Section 6.4	*Pass
Frequency tolerance	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2013) Section 6.8	Pass
Radiated Emissions(9kHz-30MHz)	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2013) Section 6.4&6.5	Pass
Radiated Emissions(30MHz-1GHz)	47 CFR Part 15, Subpart C 15.225	ANSI C63.10 (2013) Section 6.4&6.5	Pass



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## 4 General Information

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

Power supply: DC 7.7V by Rechargeable Li-Polymer Battery charged by Adapter  
Battery Model: JKPJ 2ICP5/62/70  
Nominal voltage: 7.7V  
Limited charge voltage: 8.8V  
Rated capacity: 3500mAh/26.95Wh  
Typical capacity: 3600mAh/27.22Wh  
Adapter Model: CK18W02U  
INPUT: 100-240V, 50/60Hz, 0.5A  
OUTPUT: 5V, 3A; 9V, 2A; 12V, 1.5A

Test voltage: DC 7.7V  
Remark: (Only AC 120V 60Hz by AC adapter for Conducted Emission test)

Serial Number: VM08D14U20116  
Firmware Version: Ambh6e  
Operation Frequency: 13.56MHz  
Modulation Technique: ASK  
Antenna Type: Loop Antenna  
Number of Channel: 1

### 4.2 Description of Support Units

The EUT has been tested as an independent unit.



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### 4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$8.4 \times 10^{-8}$
2	Timeout	2s
3	Duty cycle	0.37%
4	Occupied Bandwidth	3%
5	RF conducted power	0.6dB
6	RF power density	2.9dB
7	Conducted Spurious emissions	0.75dB
8	RF Radiated power	4.2dB (Below 1GHz)
		4.1dB (Above 1GHz)
9	Radiated Spurious emission test	4.2dB (Below 30MHz)
		4.6dB (30MHz-1GHz)
		4.8dB (1GHz-18GHz)
		5.5dB (Above 18GHz)
10	Temperature test	1°C
11	Humidity test	3%
12	Supply voltages	1.5%
13	Time	3%

Note: 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:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

No tests were sub-contracted.

#### 4.5 Test Facility

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

- **CNAS (No. CNAS L4354)**

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **A2LA (Certificate No. 2541.01)**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

- **FCC (Designation Number: CN1172)**

Compliance Certification Services Inc. has been recognized as an accredited testing laboratory.

Designation Number: CN1172.

- **ISED (CAB Identifier: CN0072)**

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development (ISED) Canada as an accredited testing laboratory.

CAB Identifier: CN0072.

- **VCCI (Member No.: 1938)**

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

Item	Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal. Due Date
<b>Conducted Emission at Mains Terminals (150kHz-30MHz)</b>						
1	EMI Test Receive	R&S	ESCI	100781	02/01/2021	01/31/2022
2	LISN	R&S	ENV216	101604	10/19/2020	10/18/2021
3	LISN	Schwarzbeck	NNLK 8129	8129-143	10/19/2020	10/18/2021
4	Pulse Limiter	R&S	ESH3-Z2	100609	02/01/2021	01/31/2022
5	CE test Cable	Thermax	/	14	10/17/2020	10/16/2021
6	Test Software	Farad	EZ-EMC	CCS-03A1	N.C.R	N.C.R
<b>RF Conducted Test</b>						
1	Spectrum Analyzer	Agilent	E4446A	MY44020154	04/16/2021	04/15/2022
2	Spectrum Analyzer	Keysight	N9020A	MY55370209	12/02/2020	12/01/2021
3	Spectrum Analyzer	Keysight	N9010A	MY56480443	02/01/2021	01/31/2022
4	6dB Attenuator	Mini-Circuits	NAT-6-2W	15542-1	N.C.R	N.C.R
5	Filter	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
6	Conducted test cable	/	RF01-RF04	/	04/15/2021	04/14/2022
7	Software	BST	TST-PASS	N/A	N/A	N/A
8	Temp. / Humidity Chamber	TERCHY	MHK-120AK	X30109	04/15/2021	04/14/2022
9	Thermometer	Anymetre	TH603	CCS007	10/16/2020	10/15/2021
<b>RF Radiated Test</b>						
1	Spectrum Analyzer	R&S	FSV40	101493	10/19/2020	10/18/2021
2	Signal Generator	Agilent	E8257C	MY43321570	10/19/2020	10/18/2021
3	Loop Antenna	Schwarzbeck	HXYZ9170	9170-108	02/22/2021	02/21/2022
4	Bilog Antenna	TESEQ	CBL 6112D	35403	06/21/2019	06/20/2021
5	Bilog Antenna	TESEQ	CBL 6112D	35403	06/21/2021	06/20/2023
6	Bilog Antenna	SCHWARZBECK	VULB9160	9160-3342	04/13/2021	04/12/2023
7	RE test cable	/	RE01-RE04	/	04/15/2021	04/14/2022
8	Software	Faratronic	EZ-EMC-v 3A1	N/A	N/A	N/A



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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

Standard 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 antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an 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 Loop and no consideration of replacement.

Antenna location: Refer to Appendix (Internal Photos)



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## 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:

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.

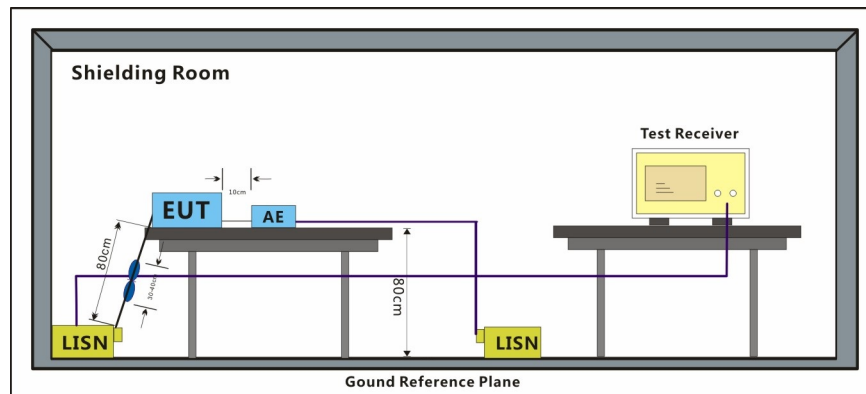
#### 7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 45 % RH Atmospheric Pressure: 1001 mbar

Test mode a:TX mode\_Keep the EUT in transmitting with modulation mode.

#### 7.1.2 Test Setup Diagram



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### 7.1.3 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: LISN=Read Level+ Cable Loss+ LISN Factor



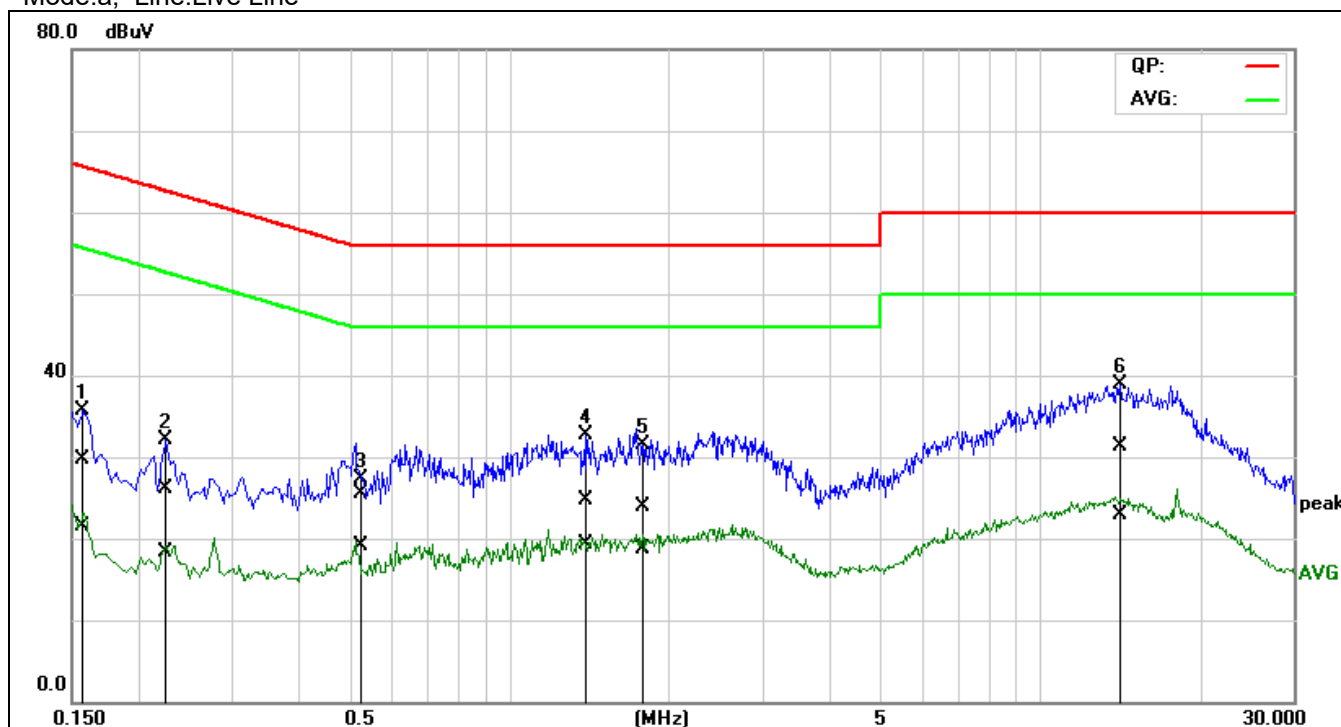
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Mode:a; Line:Live Line



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1	0.1566	10.25	1.97	19.46	29.71	21.43	65.64	55.64	-35.93	-34.21	Pass
2	0.2277	6.64	-1.14	19.47	26.11	18.33	62.53	52.53	-36.42	-34.20	Pass
3	0.5281	6.05	-0.48	19.53	25.58	19.05	56.00	46.00	-30.42	-26.95	Pass
4*	1.3730	5.23	-0.33	19.57	24.80	19.24	56.00	46.00	-31.20	-26.76	Pass
5	1.7598	4.26	-0.91	19.58	23.84	18.67	56.00	46.00	-32.16	-27.33	Pass
6	14.1983	11.15	2.77	20.11	31.26	22.88	60.00	50.00	-28.74	-27.12	Pass



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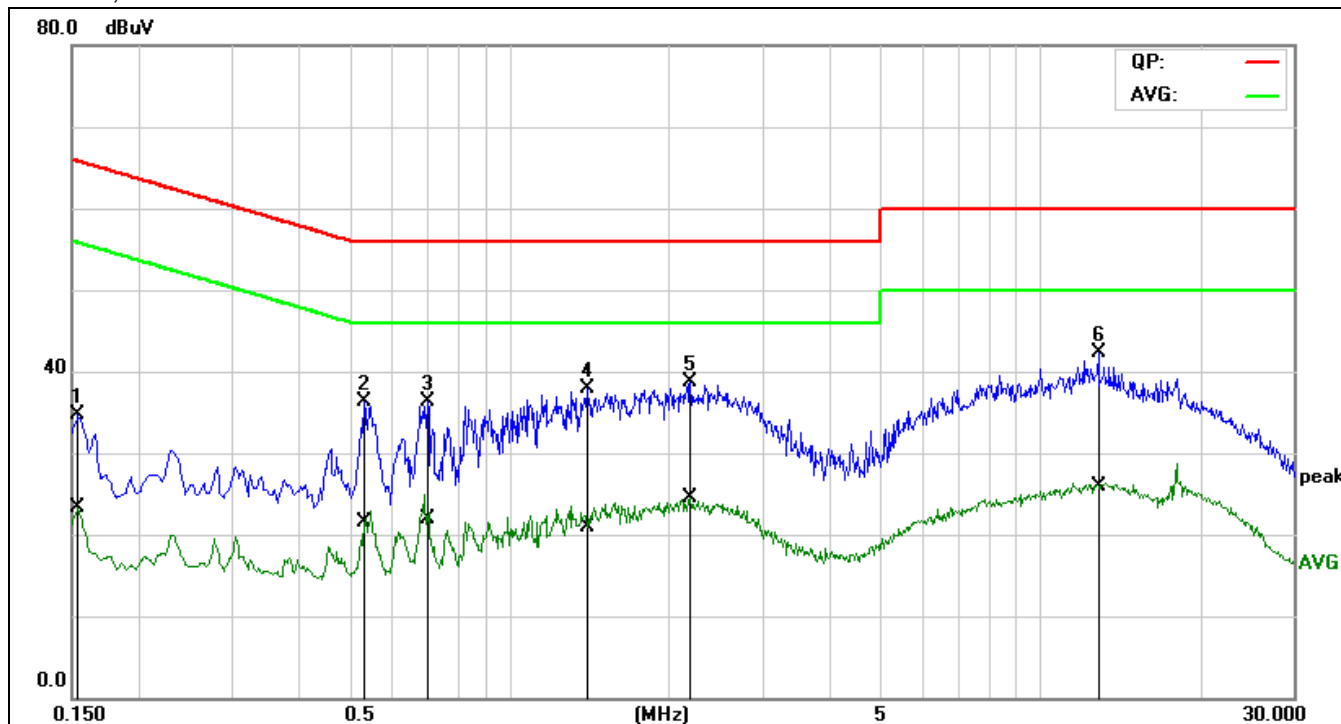
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Mode:a; Line:Neutral Line



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1539	15.24	3.82	19.42	34.66	23.24	65.78	55.79	-31.12	-32.55	Pass
2	0.5340	16.71	2.04	19.51	36.22	21.55	56.00	46.00	-19.78	-24.45	Pass
3	0.7019	16.73	2.46	19.52	36.25	21.98	56.00	46.00	-19.75	-24.02	Pass
4	1.4060	18.26	1.27	19.55	37.81	20.82	56.00	46.00	-18.19	-25.18	Pass
5*	2.1900	19.06	4.85	19.58	38.64	24.43	56.00	46.00	-17.36	-21.57	Pass
6	12.8780	22.22	5.93	20.06	42.28	25.99	60.00	50.00	-17.72	-24.01	Pass



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## 7.2 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215  
Test Method: ANSI C63.10 (2013) Section 6.9  
Limit: N/A

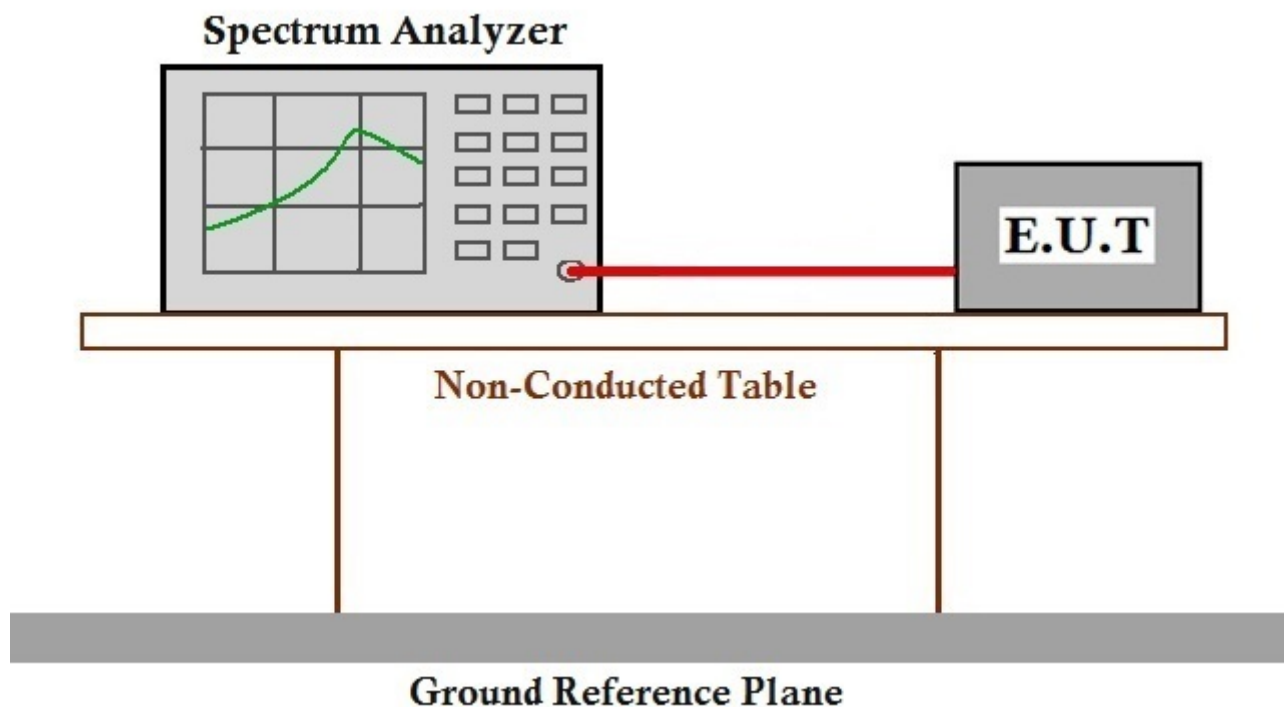
### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1006 mbar

Test mode a:TX mode\_Keep the EUT in transmitting with modulation mode.

### 7.2.2 Test Setup Diagram



### 7.2.3 Measurement Procedure and Data



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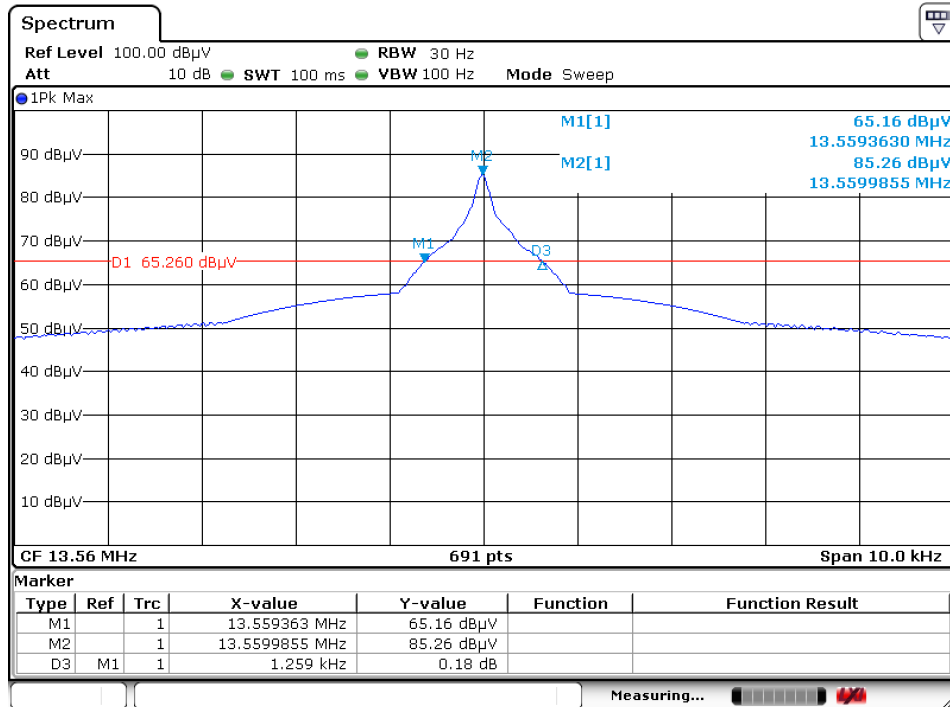
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20dB bandwidth (kHz)	F <sub>L</sub> (MHz)	F <sub>H</sub> (MHz)	Limit(MHz)	Result
1.259	13.559363	13.560622	13.110 – 14.010	Pass

Test plot as follows:



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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 (2013) Section 6.4  
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.

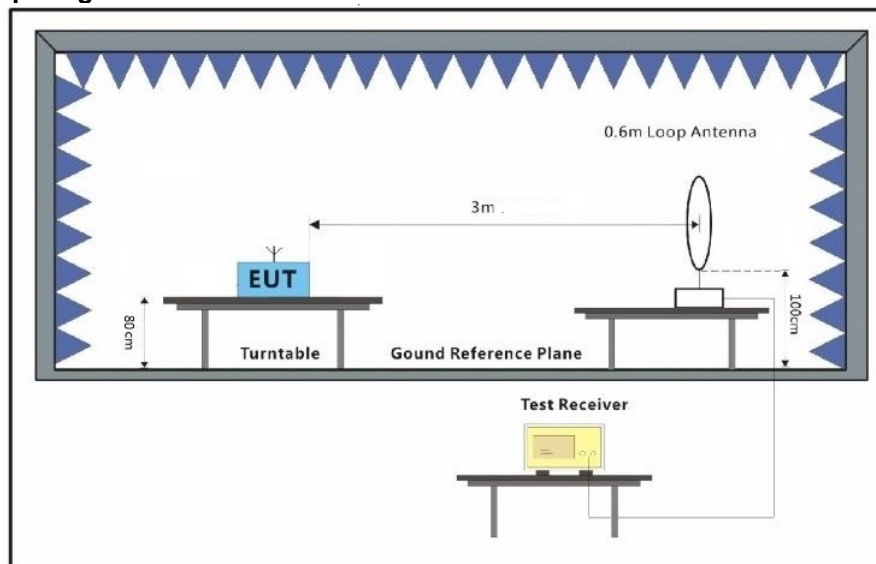
#### 7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1006 mbar

Test mode a:TX mode\_Keep the EUT in transmitting with modulation mode.

#### 7.3.2 Test Setup Diagram



#### 7.3.3 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.

Note: The test level of the fundamental signal is below the limit of general spurious emission, so the test item doesn't be performed.



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## 7.4 Frequency tolerance

Test Requirement 47 CFR Part 15, Subpart C 15.225(e)  
Test Method: ANSI C63.10 (2013) Section 6.8  
Limit: 1.356kHz

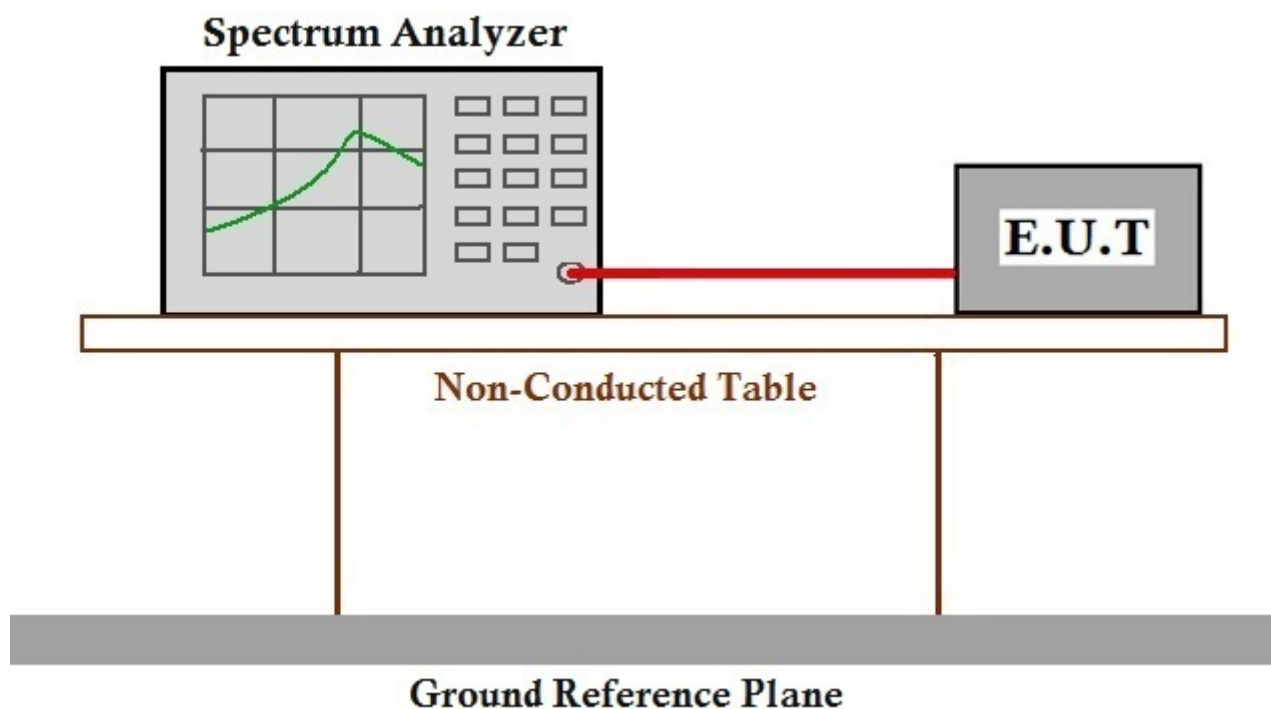
### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1006 mbar

Test mode a:TX mode\_Keep the EUT in transmitting with modulation mode.

### 7.4.2 Test Setup Diagram



### 7.4.3 Measurement Procedure and Data



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Nominal Operation Frequency: 13.56MHz

Test Conditions		Test Result (MHz)	Deviation (kHz)	Limit (kHz)	Result
Temp (°C)	Volt (V DC)				
T <sub>nom</sub> (-20)	V <sub>nom</sub> (7.7)	13.55999	0.01	±0.01% (1.3560kHz)	Pass
T <sub>nom</sub> (-10)	V <sub>nom</sub> (7.7)	13.55998	0.02		Pass
T <sub>nom</sub> (0)	V <sub>nom</sub> (7.7)	13.55998	0.02		Pass
T <sub>nom</sub> (10)	V <sub>nom</sub> (7.7)	13.55999	0.01		Pass
T <sub>nom</sub> (20)	V <sub>nom</sub> (7.7)	13.55998	0.02		Pass
T <sub>nom</sub> (30)	V <sub>nom</sub> (7.7)	13.55999	0.01		Pass
T <sub>nom</sub> (40)	V <sub>nom</sub> (7.7)	13.55998	0.02		Pass
T <sub>nom</sub> (50)	V <sub>nom</sub> (7.7)	13.55998	0.02		Pass
T <sub>nom</sub> (50)	V <sub>nom</sub> (7.7)	13.55998	0.02		Pass
T <sub>nom</sub> (60)	V <sub>nom</sub> (7.7)	13.55998	0.02		Pass
T <sub>nom</sub> (20)	V <sub>min</sub> (6.93)	13.55999	0.01		Pass
	V <sub>max</sub> (8.47)	13.55999	0.01		Pass

Note: Deviation (kHz) = (Test Result-13.56MHz)\*1000



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**7.5 Radiated Emissions(9kHz-30MHz)**

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

Test Method: ANSI C63.10 (2013) Section 6.4&amp;6.5

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
30-88	100	40.0	QP	3
88-216	150	43.5	QP	3
216-960	200	46.0	QP	3
960-1000	500	54.0	QP	3
Above 1000	500	54.0	AV	3

**NOTE:**

(1) For test distance other than what is specified, but fulfilling the requirements of section 15.31(f) (2) the field strength is calculated by adding additionally an extrapolation factor of 40dB/decade (inverse linear distance for field strength measurements).

So the Distance Extrapolation Factor in dB is  $40 \cdot \log(D_{\text{TEST}} / D_{\text{SPEC}})$  where  $D_{\text{TEST}}$  = Test Distance and  $D_{\text{SPEC}}$  = Specified Distance.

Field strength limit (dBuV/m)@test distance= Field strength limit (dBuV/m)@specified distance +Distance Extrapolation Factor

(2) The lower limit shall apply at the transition frequencies.



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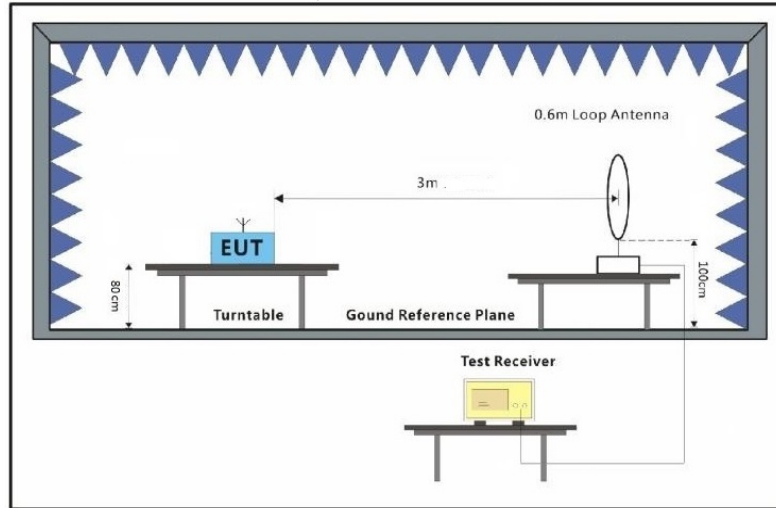
### 7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1006 mbar

Test mode a:TX mode\_Keep the EUT in transmitting with modulation mode.

### 7.5.2 Test Setup Diagram



### 7.5.3 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.

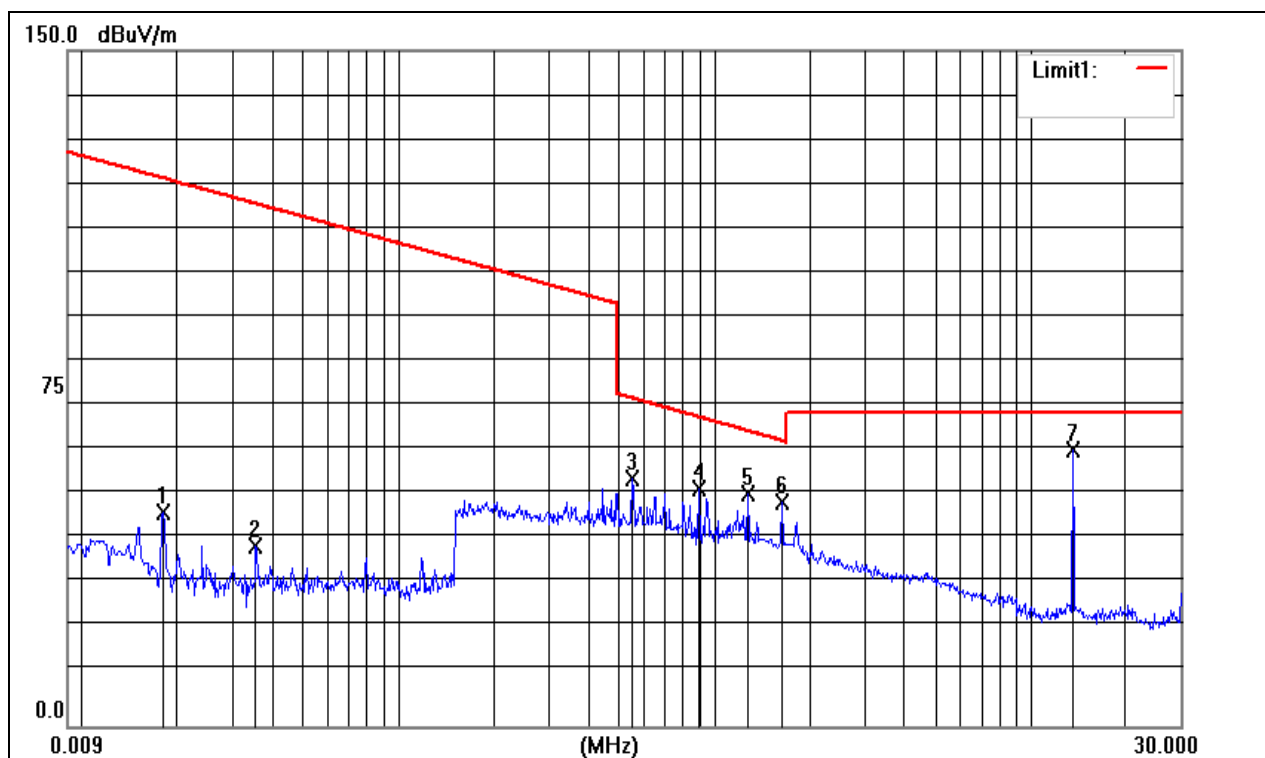


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## Horizontal



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Result Level@3m (dBuV/m)	Result Level@SPEC (dBuV/m)	Limit Line@SPEC (dBuV/m)	Over Limit (dB)	Detect or
1	0.018	31.95	15.49	47.44	-32.56	41.66	-74.22	QP
2	0.0354	24.61	15.44	40.05	-39.95	35.96	-75.91	QP
3	0.5493	39.81	15.09	54.90	14.90	32.81	-17.91	QP
4	0.8941	37.50	15.10	52.60	12.60	28.59	-15.99	QP
5	1.2683	36.42	15.10	51.52	11.52	25.56	-14.04	QP
6	1.6363	34.49	15.11	49.60	9.60	23.36	-13.76	QP
7	13.6227	45.81	15.36	61.17	21.17	29.50	-8.33	PK



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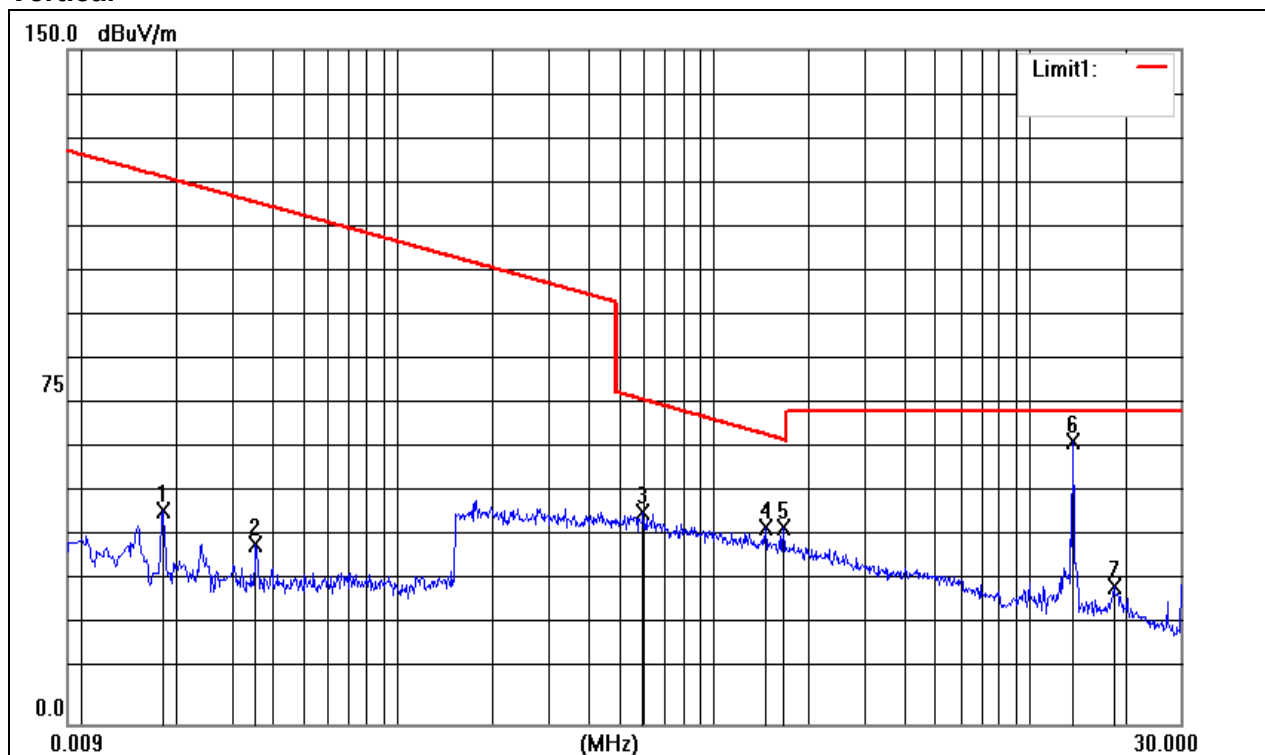
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## Vertical



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Correct Factor (dB/m)	Result Level@3m (dBuV/m)	Result Level@SPEC (dBuV/m)	Limit Line@SPEC (dBuV/m)	Over Limit (dB)	Detect or
1	0.018	31.44	15.86	47.30	-32.7	41.62	-74.32	QP
2	0.0354	24.20	15.75	39.95	-40.05	35.96	-76.01	QP
3	0.5493	31.83	15.09	46.92	-33.08	-7.88	-25.2	QP
4	0.8941	28.44	15.11	43.55	-36.45	-15.59	-20.86	QP
5	1.2683	28.47	15.11	43.58	3.58	23.31	-19.73	QP
6	1.6363	47.33	15.35	62.68	22.68	29.5	-6.82	QP
7	13.6227	15.05	15.45	30.50	-9.5	29.5	-39	PK



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**7.6 Radiated Emissions(30MHz-1GHz)**

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

Test Method: ANSI C63.10 (2013) Section 6.4&amp;6.5

Limit:

Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3



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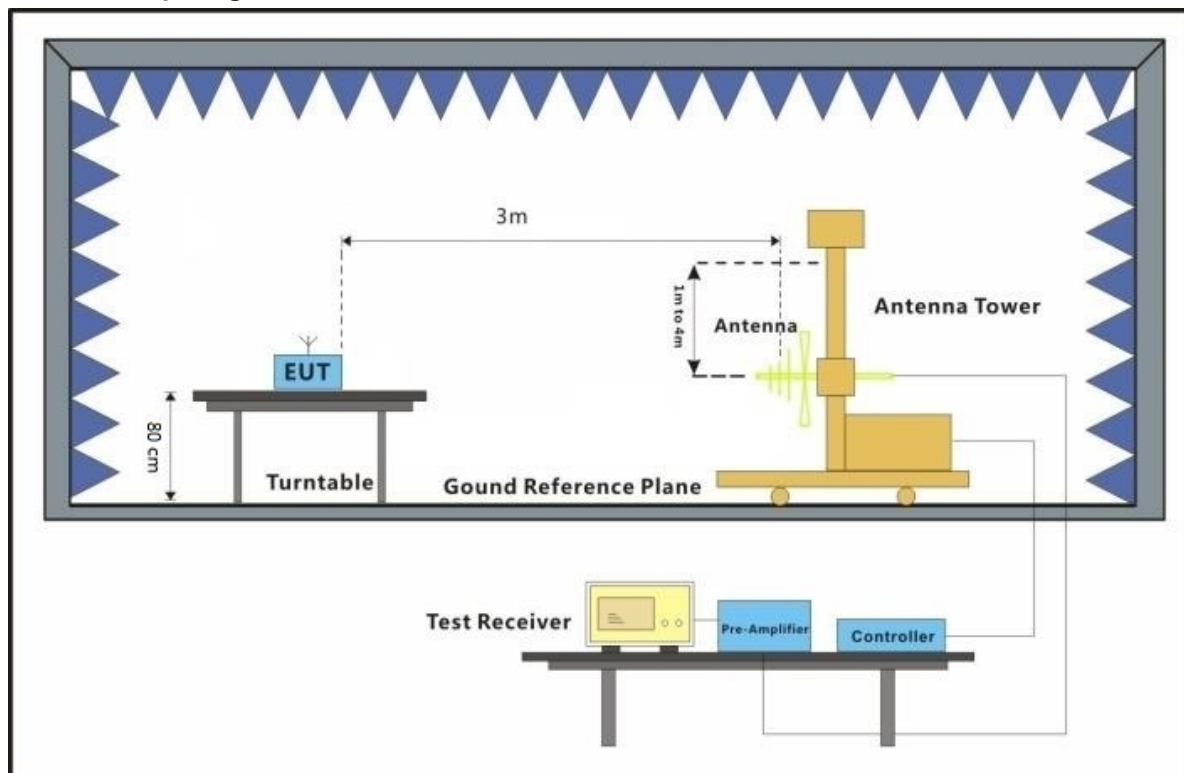
### 7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 49 % RH Atmospheric Pressure: 1006 mbar

Test mode a:TX mode\_Keep the EUT in transmitting with modulation mode.

### 7.6.2 Test Setup Diagram



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### 7.6.3 Measurement Procedure and Data

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground for below 1GHz at a 3 meter semi-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, quasi-peak or average method as specified and then reported in a data sheet.
- g. The radiation measurements are performed in X, Y, Z axis positioning. And found the X axis positioning which it is worse case, only the test worst case mode is recorded in the report.

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



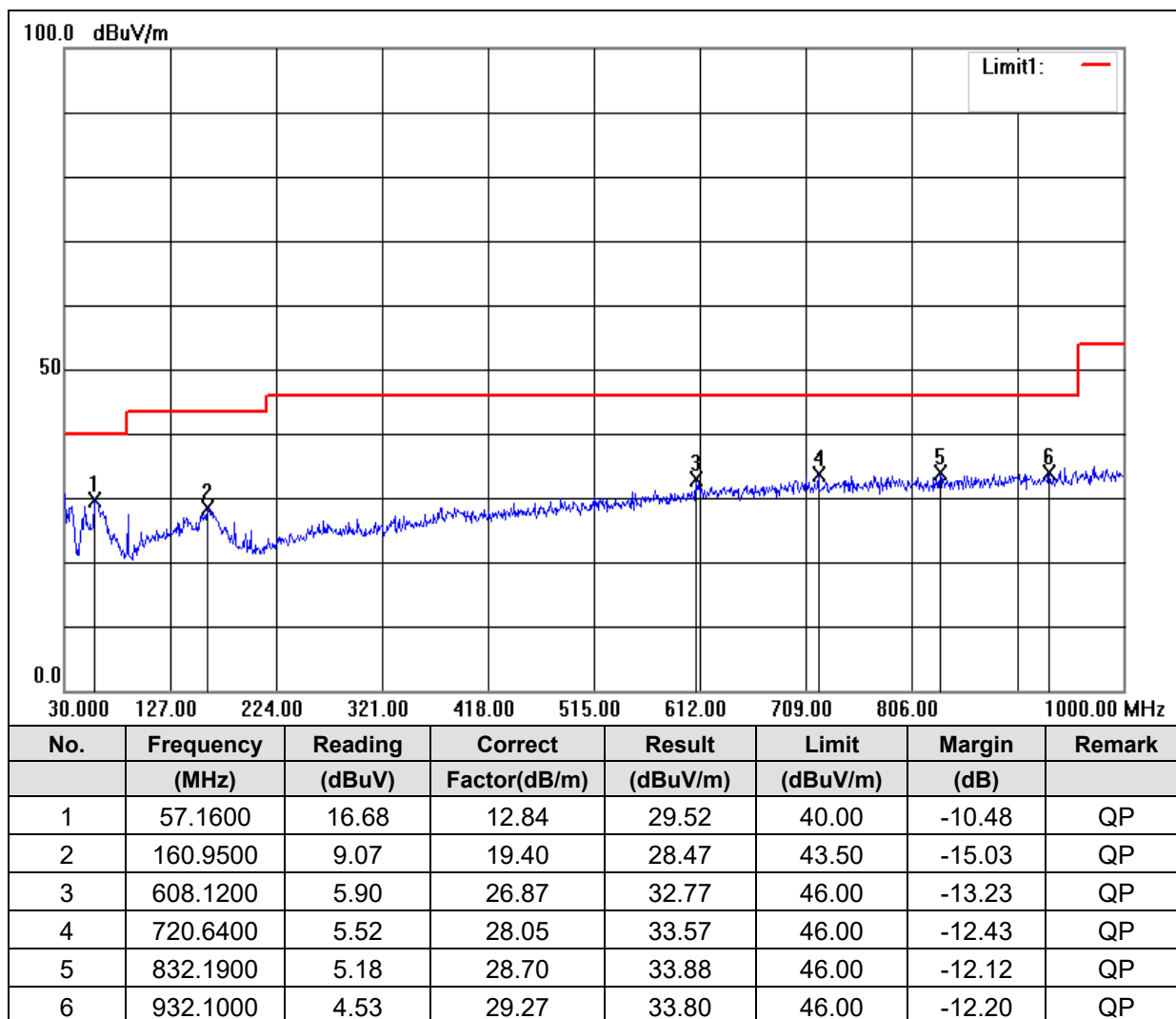
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Polarization:Horizontal



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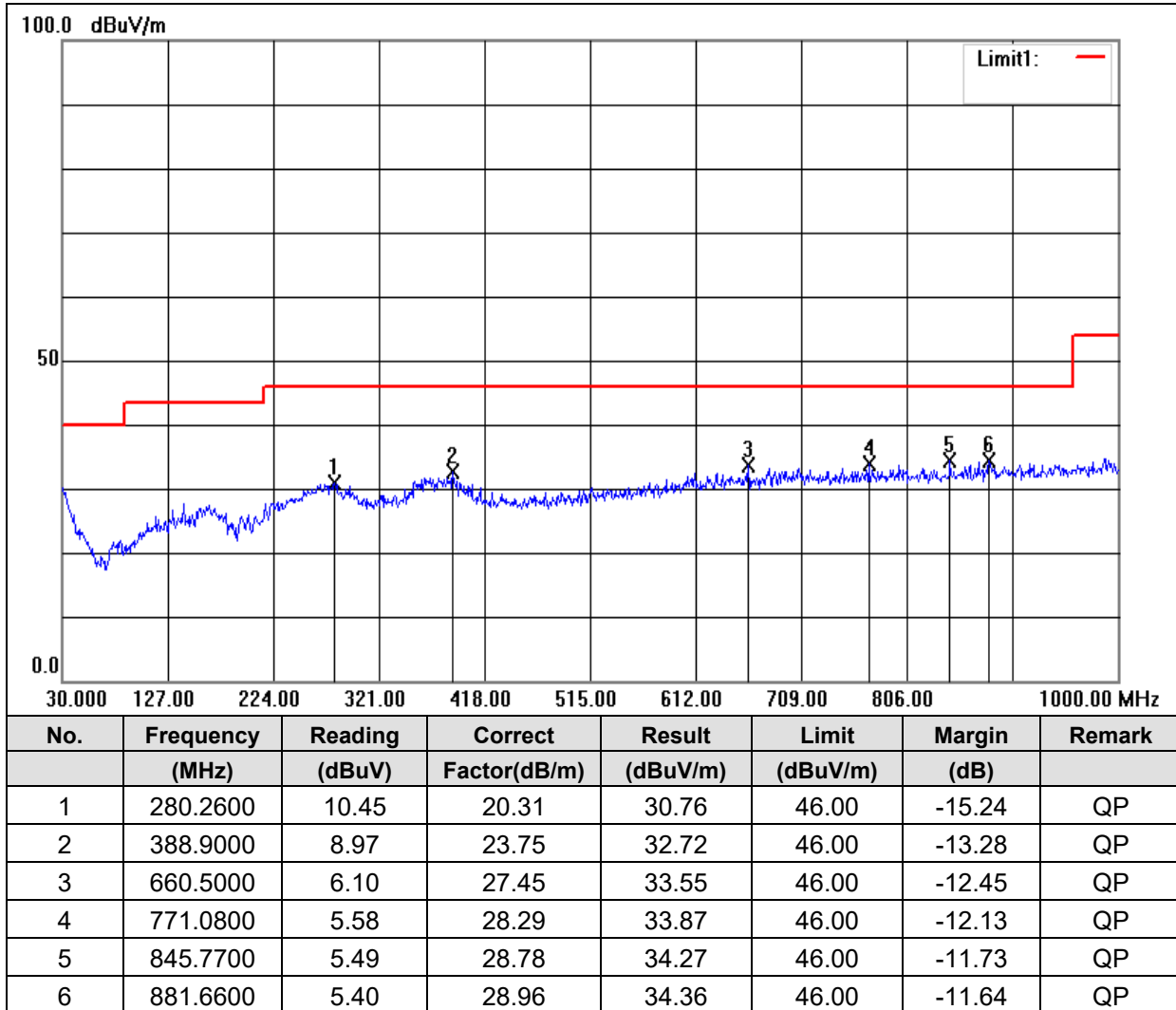
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## 8 Photographs

Refer to the < Photographs >

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