

RF Test Report

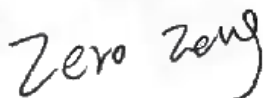
For

Applicant name: SHENZHEN TORRAS TECHNOLOGY CO.,LTD.
Address: RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China
EUT name: Charger
Brand name: TORRAS
Model number: CQ33
Series model number: N/A
FCC ID: 2AN4Y-CQ33

Issued By

Company name: BTF Testing Lab (Shenzhen) Co., Ltd.
Address: Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Report number: BTF260909R00501
Test standards: FCC CFR Title 47 Part 15 Subpart C
Test conclusion: Pass
Date of sample receipt: 2026-09-09
Test date: 2026-09-09 to 2026-09-16
Date of issue: 2026-09-16

Prepared by:



Zero Zeng /Project engineer

Approved by:



Ryan.CJ /EMC manager

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue date	Revisions content
R_V0	2026-09-16	Original

Table of Contents

1 Introduction	4
1.1 Laboratory Location	4
1.2 Laboratory Facility	4
1.3 Announcement	4
2 Product Information	5
2.1 Application Information	5
2.2 Manufacturer Information	5
2.3 Factory Information	5
2.4 General Description of Equipment under Test (EUT)	5
2.5 Technical Information	5
3 Test Information	6
3.1 Test Standards	6
3.2 Summary of Test	6
3.3 Uncertainty of Test	6
3.4 Additions to, deviations, or exclusions from the method	6
3.5 Test Auxiliary Equipment	6
3.6 Test Equipment List	7
4 Test Configuration	9
4.1 Environment Condition	9
4.2 Test mode	9
5 Technical requirements specification	11
5.1 Antenna requirement	11
5.1.1 Conclusion	11
5.2 Conducted Emission at AC power line	11
5.2.1 Test Data	13
5.3 20dB Bandwidth	15
5.3.1 Test Data	16
5.4 Emissions in frequency bands (below 30MHz)	18
5.4.1 Test Data	19
5.5 Emissions in frequency bands (30MHz - 1GHz)	23
5.5.1 Test Data	24
6 Test Setup Photos	26
7 EUT Constructional Details (EUT Photos)	26

1 Introduction

1.1 Laboratory Location

Test location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Description:	All measurement facilities used to collect the measurement data are located at Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Phone number:	+86-0755-23146130
Fax number:	+86-0755-23146130

1.2 Laboratory Facility

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

- **FCC - Designation No.: CN1409**
BTF Testing Lab (Shenzhen) Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 695374.
- **CNAS - Registration No.: CNAS L17568**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L17568.
- **A2LA - Registration No.: 6660.01**
BTF Testing Lab (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

1.3 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.
- (7) All entrusted information in this report is provided by the client and has been confirmed through consultation with the client; The testing items for this report have been discussed and confirmed with the client, and our company is only responsible for the content reflected in the report.

2 Product Information

2.1 Application Information

Company name:	SHENZHEN TORRAS TECHNOLOGY CO.,LTD.
Address:	RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China

2.2 Manufacturer Information

Company name:	SHENZHEN TORRAS TECHNOLOGY CO.,LTD.
Address:	RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China

2.3 Factory Information

Company name:	SHENZHEN TORRAS TECHNOLOGY CO.,LTD.
Address:	RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China

2.4 General Description of Equipment under Test (EUT)

EUT name	Charger
Under test model name	CQ33
Series model name	N/A
Description of model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Ratings	Input: AC 100-240V 50/60Hz 1.3A USB-C/USB-C Cable Output: 5V $\overline{=}$ 3A/9V $\overline{=}$ 3A/12V $\overline{=}$ 3A/15V $\overline{=}$ 3A/20V $\overline{=}$ 2.25A/AVS: 9-20V $\overline{=}$ 3A Wireless Charging Output: 5W USB-C+USB-C Cable Output: 20W+20W USB-C/USB-C Cable+Wireless Charging Output: 45W+5W (USB-C+USB-C Cable)+Wireless Charging Output: 40W+5W Output Power: 60W MAX

2.5 Technical Information

Operation frequency:	Watch: 320.0kHz-327.0kHz, 1.759MHz-1.778MHz.
Modulation technology:	ASK
Antenna type:	Coil Antenna

3 Test Information

3.1 Test Standards

Identity	Document Title
FCC CFR Title 47 Part 15 Subpart C	Intentional Radiators
ANSI C63.10-2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Summary of Test

Clauses	Test Items	Result
Part 15.203	Antenna Requirement	PASS
47 CFR 15.207	AC Power Line Conducted Emission	PASS
47 CFR 15.215	20dB Bandwidth	PASS
47 CFR 15.209	Field Strength of Fundamental	PASS
47 CFR 15.209	Field Strength of Spurious Emissions	PASS
Remark: 1. Pass: met the requirements. 2. N/A: not applicable.		

3.3 Uncertainty of Test

Measurement	Value
Occupied Channel Bandwidth	±5 %
Conducted Emission for LISN (9kHz ~ 150kHz)	±2.97 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	±2.45 dB
Radiated Emission (9kHz ~ 30MHz)	±2.20 dB
Radiated Emission (30MHz ~ 1000MHz)	±4.80 dB
Radiated Emission (1GHz ~ 18GHz)	±4.82dB
The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3.4 Additions to, deviations, or exclusions from the method

None

3.5 Test Auxiliary Equipment

No.	Description	Manufacturer	Model	Serial Number	Certification
1	Watch	Apple	SE 3	/	/

3.6 Test Equipment List

Radiated Emission Test					
Test Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
EMI Receiver	Rohde & Schwarz	ESCI7	101032	2025/10/17	2026/10/16
Signal Analyzer	Rohde & Schwarz	FSQ40	100010	2025/10/17	2026/10/16
Log periodic antenna	Schwarzbeck	VULB 9168	01328	2025/10/18	2026/10/17
Preamplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9744	00246	2026/5/26	2027/5/25
BELOW-Cable	REBES Talent	9K1G	21101576	2026/8/23	2027/8/22
Horn Antenna	Schwarzbeck	BBHA9120D	2597	2025/10/18	2026/10/17
Preamplifier (1GHz ~ 18GHz)	Schwarzbeck	BBV9718D	00008	2026/5/26	2027/5/25
Preamplifier	TSTPASS	LNA10180G45	TS2215007	2026/5/26	2027/5/25
ABOVE-Cable	REBES Talent	1~18G	21101558	2026/8/23	2027/8/22
Horn Antenna	SCHWARZBECK	BBHA9170	1157	2025/10/18	2026/10/17
Low Noise Pre- amplifier	Sket	LNPA_1840G-50	SK2022032902	2025/10/17	2026/10/16
ABOVE-Cable2	REBES Talent	18~40G	21101686	2026/8/23	2027/8/22
ABOVE-Cable1	REBES Talent	18~40G	21101687	2026/8/23	2027/8/22
Test Software	Frad	EZ EMC	Version: FA-03A2 RE+		

Conducted Emission Test					
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
EMI Receiver	Rohde & Schwarz	ESCI3	101422	2025/10/17	2026/10/16
V-LISN	Schwarzbeck	NSLK 8127	01073	2026/8/23	2027/8/22
Coaxial Switcher	Schwarzbeck	CX210	CX210	/	/
Pulse Limiter	Schwarzbeck	VTSD 9561-F	00953	/	/
LISN-Cable	REBES Talent	LISN9K30M	21101580	2026/8/23	2027/8/22
Test Software	Frad	EZ EMC	Version: EMC-CON 3A1.1+		

Conducted test method					
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Cell Site Test Set	HP	8921A	US35010158	2025/10/17	2026/10/16
Spectrum Analyzer	Keysight	N9020A	MY50410020	2025/10/17	2026/10/16
ESG Vector Signal Generator	Agilent	E4438C	MY45094854	2025/10/17	2026/10/16
MXG Vector Signal Generator	Agilent	N5182A	MY46240163	2025/10/17	2026/10/16
Wideband Radio Communication Tester	Rohde&Schwarz	CMW500	161997	2025/10/17	2026/10/16
Programmable Constant Temperature	ZZCKONG	ZZ-K02A	20210928007	2025/10/17	2026/10/16

And Humidity Test Chamber					
DC Power Supply	Tongmen	etm-6050c	20211026123	2025/10/17	2026/10/16
RF Control Unit	Techy	TR1029-1	/	2025/10/17	2026/10/16
RF Sensor Unit	Techy	TR1029-2	/	2025/10/17	2026/10/16
RF shielding box	Yinuoxin Electronics	50*50*50 cm	N/A	2026/5/26	2027/5/25
Test Software	TST Pass	/	Version: 2.0		

4 Test Configuration

4.1 Environment Condition

Selected Values During Tests		
Temperature	Relative Humidity	Ambient Pressure
Normal: +15°C to +35°C Extreme: -30°C to +50°C	20% to 75%	86 kPa to 106 kPa

4.2 Test mode

No.	Test Modes	
Radiated&Conducted Test cases	ANT	Mode 1: AC/DC Adapter+EUT + Wireless load(Battery Status:99%)
		Mode 2: AC/DC Adapter+ EUT + Wireless load(Battery Status:50%)
		Mode 3: AC/DC Adapter+EUT + Wireless load(Battery Status:1%)
	ANT Alone	Mode 1: AC/DC Adapter +EUT + Wireless load(Battery Status:99%) Mode 2: AC/DC Adapter+EUT + Wireless load(Battery Status:50%) Mode 3: AC/DC Adapter+EUT + Wireless load(Battery Status:1%)
	No Loads	Mode 1: AC/DC Adapter + EUT
Note: All modes have been tested, and only the worst case ANT_Mode 3 are in the report.		

Clauses	Test Items	Verdict
Part 15.203	Antenna Requirement	Pass
47 CFR 15.207	AC Power Line Conducted Emission	Pass
47 CFR 15.215	20dB Bandwidth	Pass
47 CFR 15.209	Field Strength of Fundamental	Pass
47 CFR 15.209	Field Strength of Spurious Emissions	Pass

5 Technical requirements specification

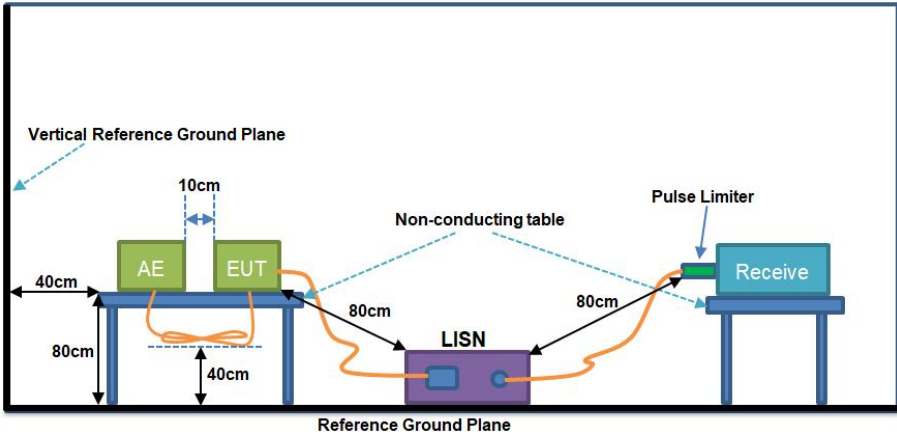
5.1 Antenna requirement

Test Requirement:	Refer to 47 CFR Part 15.203, 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 shall be considered sufficient to comply with the provisions of this section.
Operating Environment:	
Temperature:	24.3 °C
Humidity:	49.7 %
Atmospheric Pressure:	1010 mbar
Test voltage:	AC 120V 60Hz

5.1.1 Conclusion

The antenna is a permanently fixed coil antenna and meets the standard requirements. Please refer to the EUT photos for the antenna.

5.2 Conducted Emission at AC power line

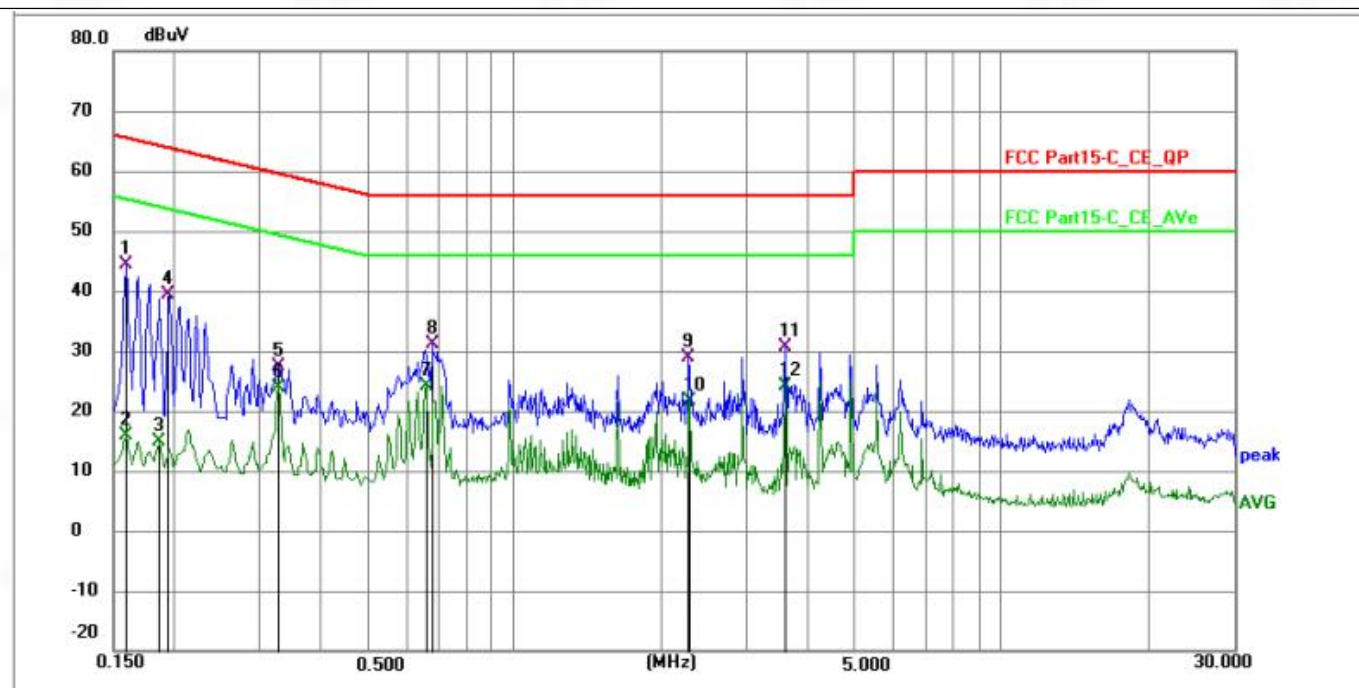
Test Requirement:	Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN).		
Test Method:	ANSI C63.10-2020 section 6.2		
Test Limit:	Frequency of emission (MHz)	Conducted limit (dB μ V)	
		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.		
Procedure:	Refer to ANSI C63.10-2020 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices		
Test Setup:			

Operating Environment:	
Temperature:	24.3 °C
Humidity:	49.7 %
Atmospheric Pressure:	1010 mbar
Test voltage:	AC 120V 60Hz

5.2.1 Test Data

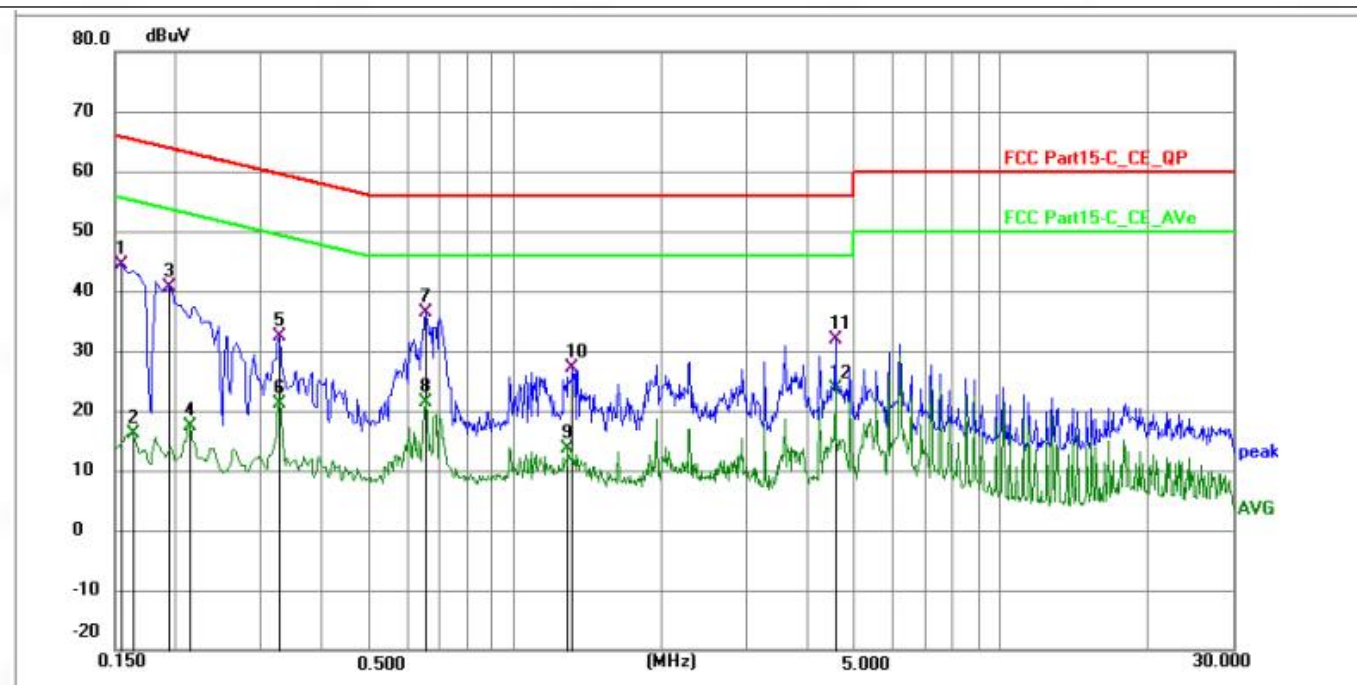
Remark: The report only reflects the test data of worst mode.

TM1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1590	34.19	10.16	44.35	65.52	-21.17	QP	P	
2	0.1590	5.68	10.16	15.84	55.52	-39.68	AVG	P	
3	0.1860	4.68	10.18	14.86	54.21	-39.35	AVG	P	
4	0.1949	29.11	10.15	39.26	63.83	-24.57	QP	P	
5	0.3255	17.23	10.13	27.36	59.57	-32.21	QP	P	
6	0.3255	13.69	10.13	23.82	49.57	-25.75	AVG	P	
7	0.6584	14.05	10.18	24.23	46.00	-21.77	AVG	P	
8	0.6764	20.99	10.19	31.18	56.00	-24.82	QP	P	
9	2.2830	18.60	10.25	28.85	56.00	-27.15	QP	P	
10	2.2875	11.49	10.25	21.74	46.00	-24.26	AVG	P	
11	3.5924	20.37	10.24	30.61	56.00	-25.39	QP	P	
12	3.5924	13.93	10.24	24.17	46.00	-21.83	AVG	P	

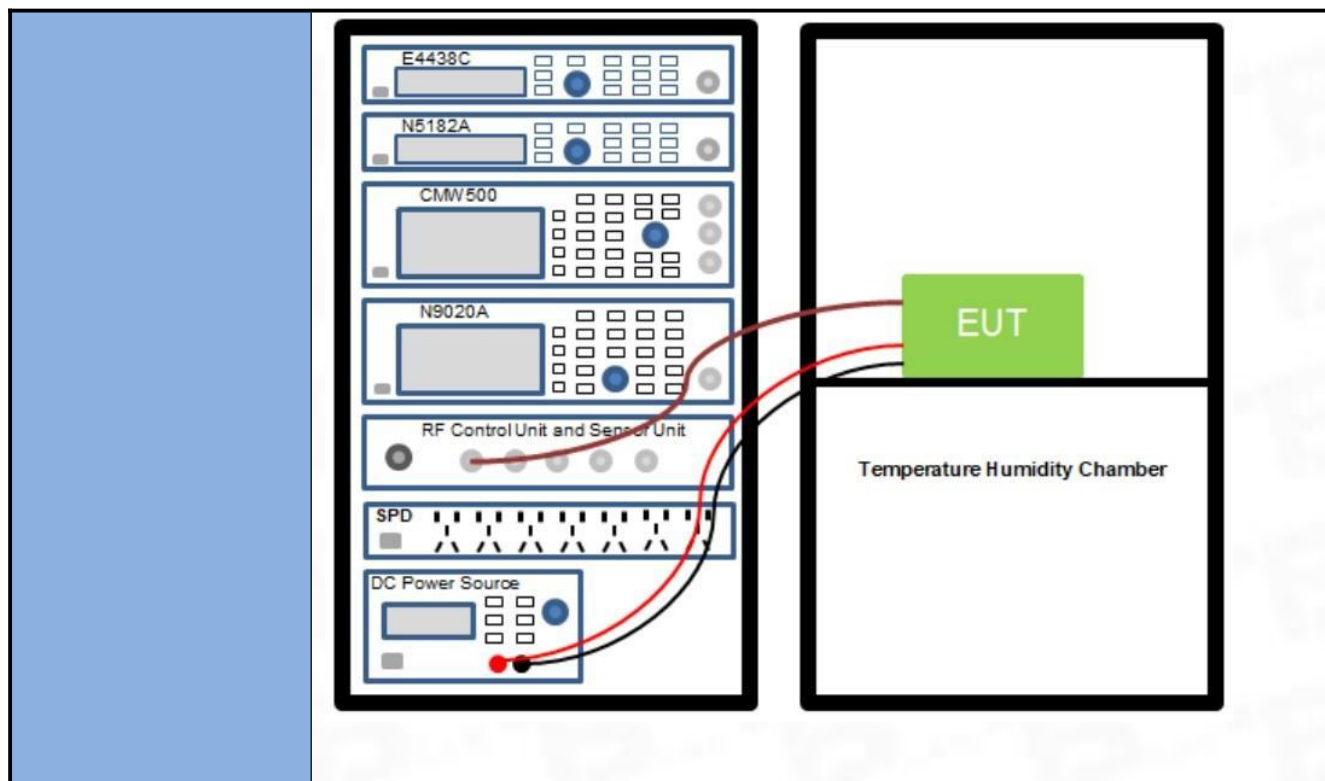
TM1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1545	34.31	10.12	44.43	65.75	-21.32	QP	P	
2	0.1635	6.05	10.11	16.16	55.28	-39.12	AVG	P	
3	0.1949	30.61	10.12	40.73	63.83	-23.10	QP	P	
4	0.2130	7.15	10.12	17.27	53.09	-35.82	AVG	P	
5	0.3255	22.19	10.12	32.31	59.57	-27.26	QP	P	
6	0.3255	11.13	10.12	21.25	49.57	-28.32	AVG	P	
7 *	0.6540	26.11	10.15	36.26	56.00	-19.74	QP	P	
8	0.6540	11.18	10.15	21.33	46.00	-24.67	AVG	P	
9	1.2839	3.45	10.18	13.63	46.00	-32.37	AVG	P	
10	1.3110	17.05	10.18	27.23	56.00	-28.77	QP	P	
11	4.5690	21.47	10.31	31.78	56.00	-24.22	QP	P	
12	4.5690	13.25	10.31	23.56	46.00	-22.44	AVG	P	

5.3 20dB Bandwidth

Test Requirement:	47 CFR Part 15.215(c)
Test Method:	ANSI C63.10-2020, section 6.9.2
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.
Procedure:	a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW. b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement. c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level. Specific guidance is given in 4.1.5.2. d) Steps a) through c) might require iteration to adjust within the specified tolerances. e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target “-xx dB down” requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value. f) Set detection mode to peak and trace mode to max hold. g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value). h) Determine the “-xx dB down amplitude” using $[(\text{reference value}) - xx]$. Alternatively, this calculation may be made by using the marker-delta function of the instrument. i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j). j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-xx dB down amplitude” determined in step h). If a marker is below this “-xx dB down amplitude” value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the “-xx dB down amplitude” determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth. k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).
Test Setup:	



Operating Environment:

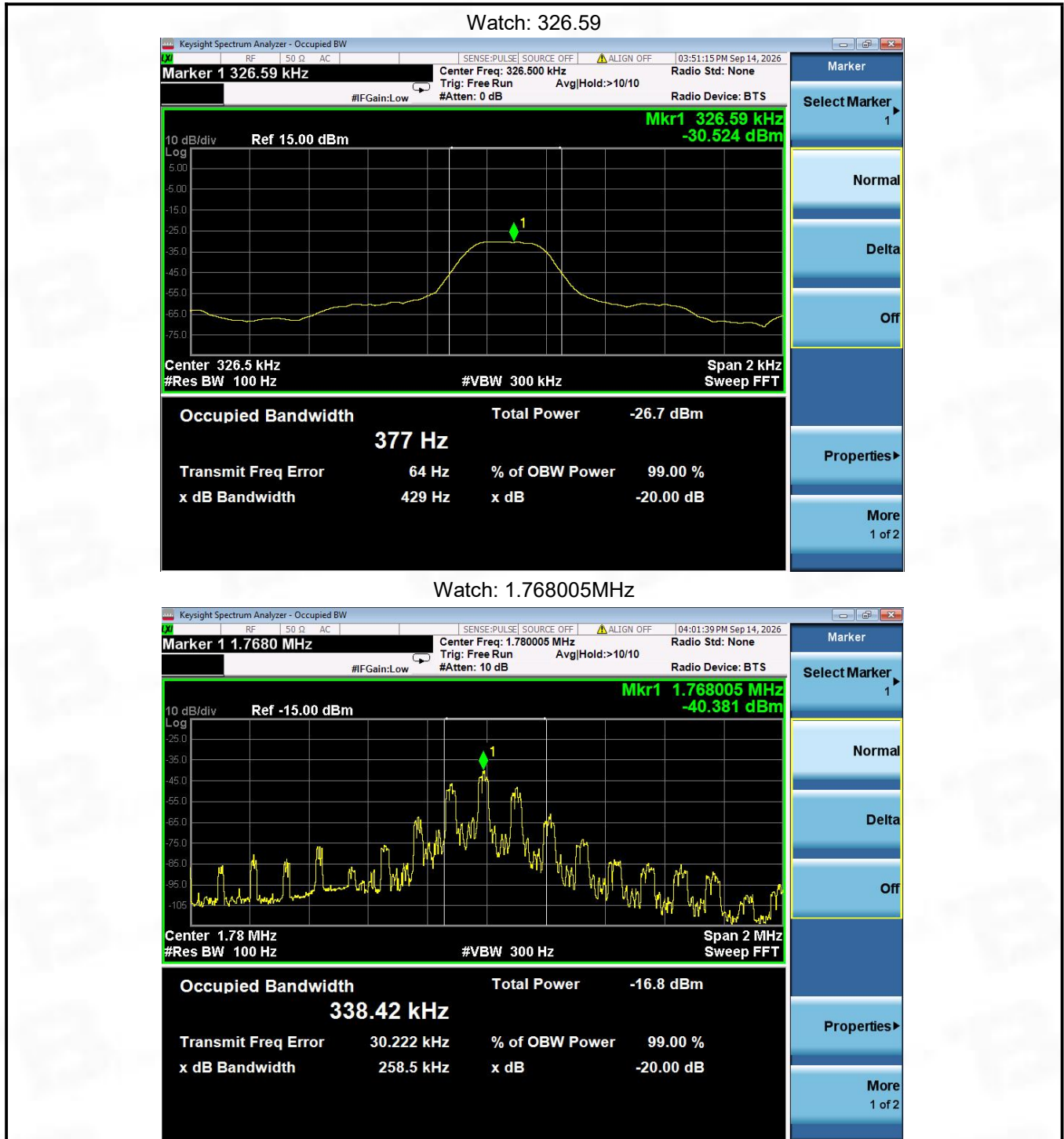
Temperature:	24.3 °C
Humidity:	49.7 %
Atmospheric Pressure:	1010 mbar
Test voltage:	AC 120V 60Hz

5.3.1 Test Data

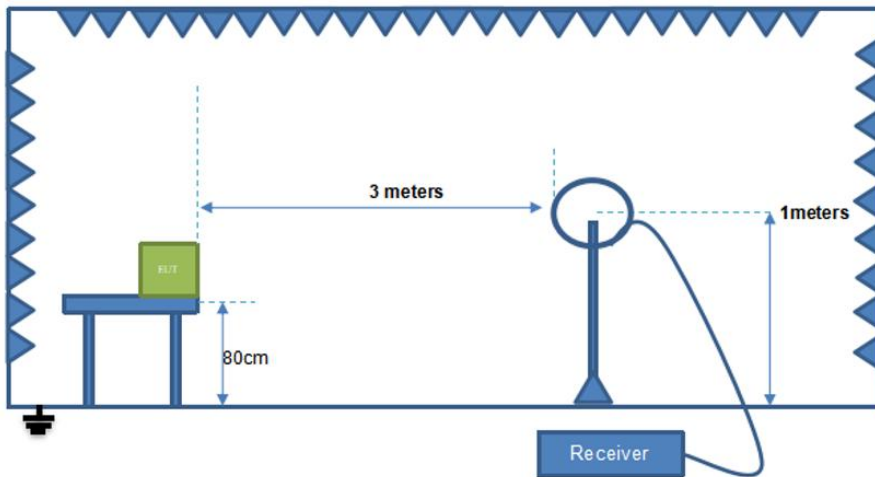
Test Frequency (kHz)	f_L (kHz)	f_H (kHz)	20dB Bandwidth (Hz)	Limits
Watch: 326.59	326.534	326.971	437	N/A
Watch: 1.768005MHz	1.750457MHz	1.780902MHz	30.445kHz	N/A

Remark: The CW signal varies with the change of RBW, and it fails to meet the requirements of RBW ranging from 1% to 5%.

Test Plot as Follows:



5.4 Emissions in frequency bands (below 30MHz)

Test Requirement:	47 CFR Part 15.209		
Test Method:	ANSI C63.10-2020 section 6.4		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
	** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.		
Procedure:	ANSI C63.10-2020 section 6.4		
Test Setup:			
Operating Environment:			
Temperature:	24.3 °C		
Humidity:	49.7 %		
Atmospheric Pressure:	1010 mbar		

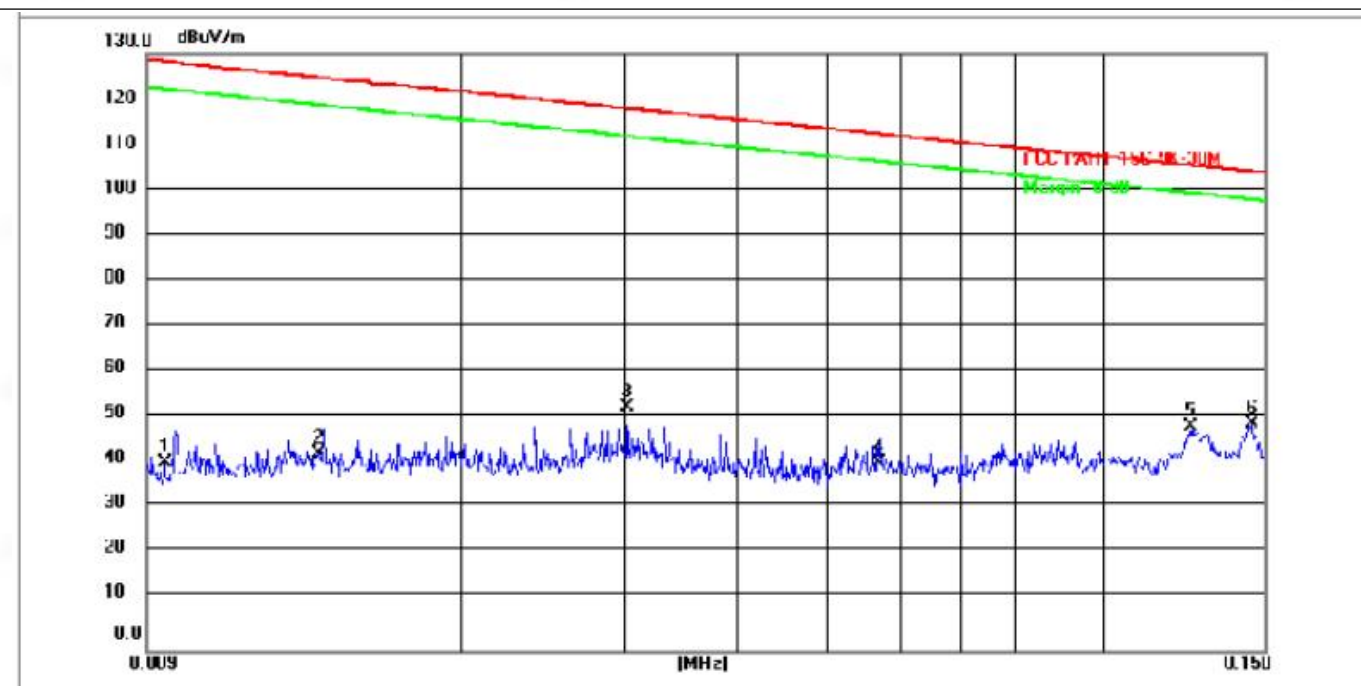
Test voltage: AC 120V 60Hz

5.4.1 Test Data

Test Frequency (MHz)	Field strength(dBuV/m)	Limits
0.3260	39.50	97.34
1.7575	33.67	69.50

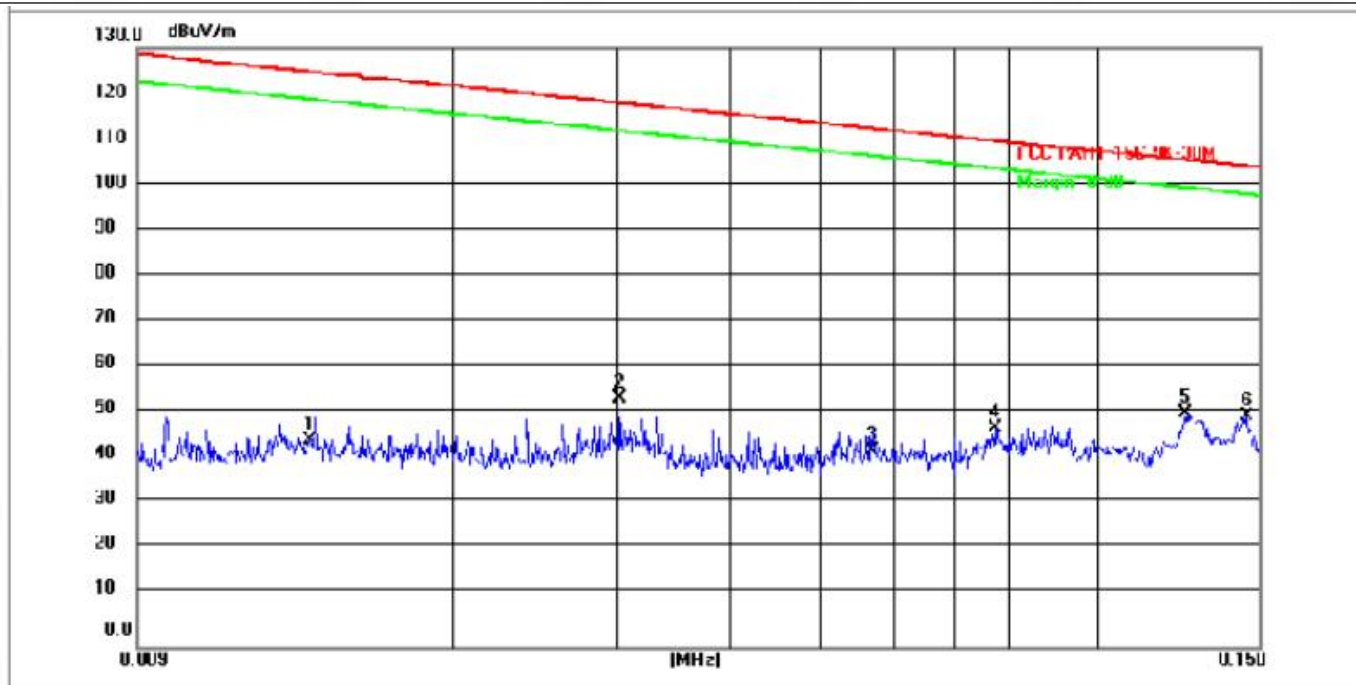
Remark: The report only reflects the worst test data.

TM1 / Polarization: Coaxial



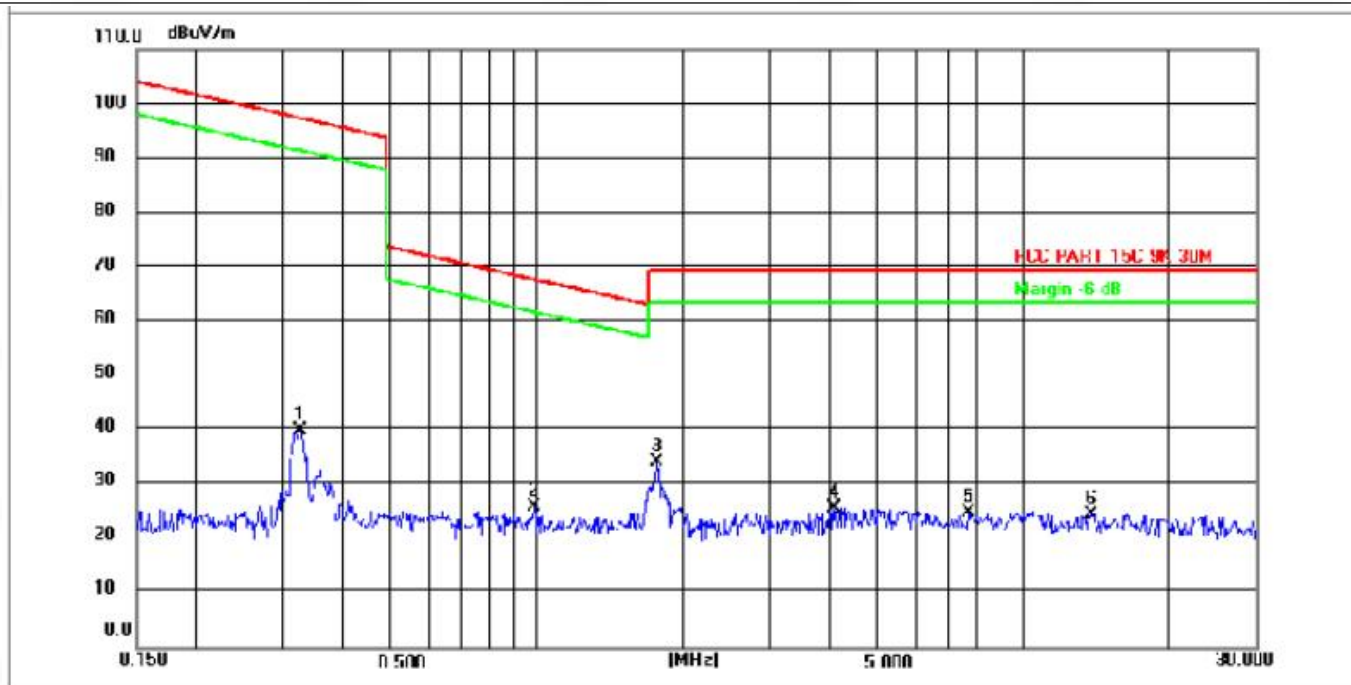
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.0094	72.55	-31.44	41.11	128.12	-87.01	peak	P
2	0.0140	74.39	-31.44	42.95	124.66	-81.71	peak	P
3	0.0302	84.62	-31.42	53.20	117.99	-64.79	peak	P
4	0.0570	72.52	-31.40	41.12	112.48	-71.36	peak	P
5	0.1250	79.97	-31.08	48.89	105.66	-56.77	peak	P
6 *	0.1451	80.70	-31.03	49.67	104.36	-54.69	peak	P

TM1 / Polarization: Coplanar



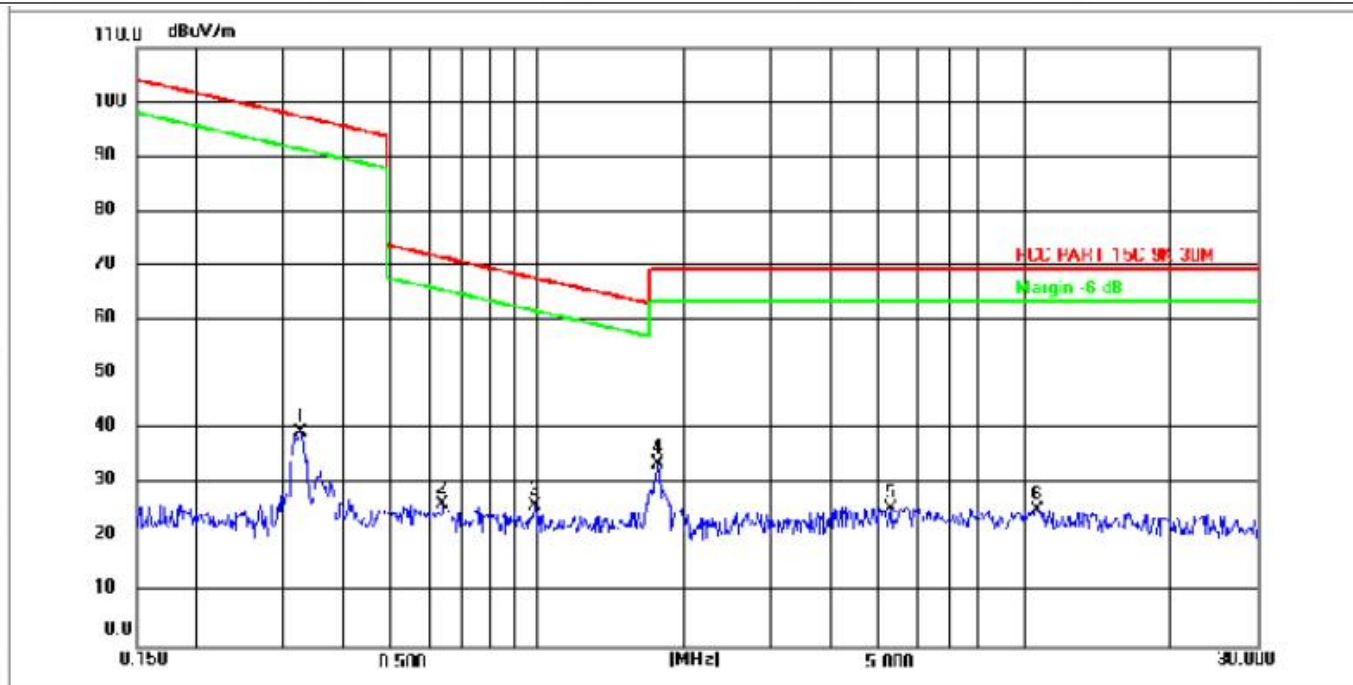
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.0140	76.39	-31.44	44.95	124.66	-79.71	peak	P
2	0.0302	85.62	-31.42	54.20	117.99	-63.79	peak	P
3	0.0570	74.02	-31.40	42.62	112.48	-69.86	peak	P
4	0.0772	78.91	-31.21	47.70	109.84	-62.14	peak	P
5	0.1250	81.97	-31.08	50.89	105.66	-54.77	peak	P
6 *	0.1451	81.20	-31.03	50.17	104.36	-54.19	peak	P

TM1 / Polarization: Coaxial



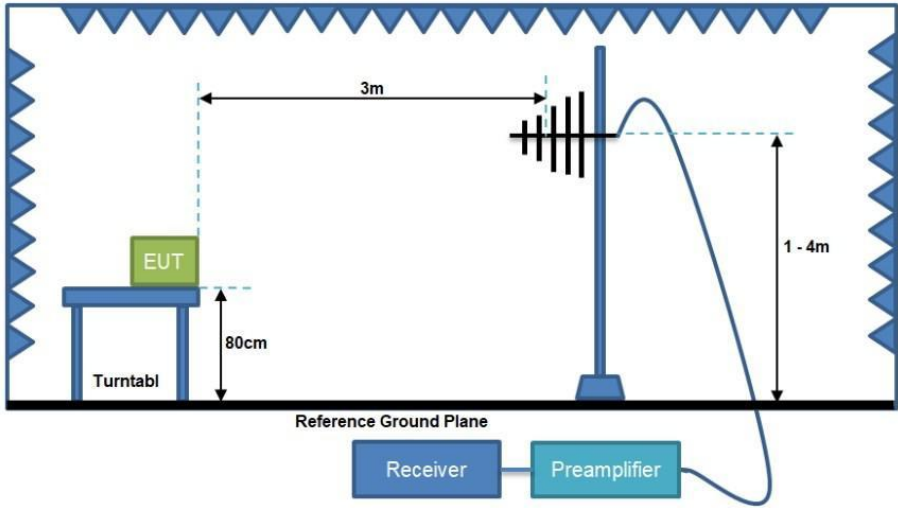
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.3260	70.65	-30.65	40.00	97.34	-57.34	peak	P
2	0.9865	55.27	-29.17	26.10	67.74	-41.64	peak	P
3 *	1.7575	61.75	-27.58	34.17	69.50	-35.33	peak	P
4	4.0701	48.47	-22.81	25.66	69.50	-43.84	peak	P
5	7.7073	40.02	-15.20	24.82	69.50	-44.68	peak	P
6	13.7315	54.94	-30.19	24.75	69.50	-44.75	peak	P

TM1 / Polarization: Coplanar



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.3260	70.15	-30.65	39.50	97.34	-57.84	peak	P
2	0.6401	56.23	-29.96	26.27	71.49	-45.22	peak	P
3	0.9865	55.27	-29.17	26.10	67.74	-41.64	peak	P
4 *	1.7575	61.25	-27.58	33.67	69.50	-35.83	peak	P
5	5.3190	45.75	-20.20	25.55	69.50	-43.95	peak	P
6	10.5914	55.69	-30.39	25.30	69.50	-44.20	peak	P

5.5 Emissions in frequency bands (30MHz - 1GHz)

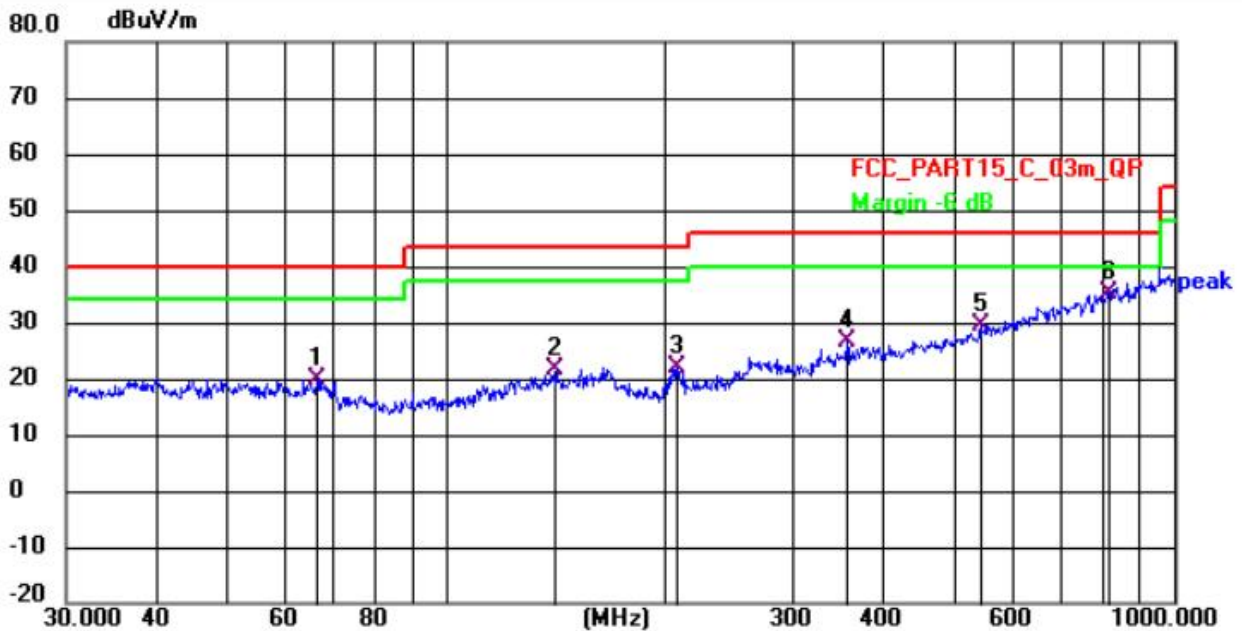
Test Requirement:	47 CFR Part 15.209		
Test Method:	ANSI C63.10-2020 section 6.5		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	Above 960	500	3
	** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. As shown in § 15.35(b), for frequencies above 1000 MHz, the field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.		
Procedure:	ANSI C63.10-2020 section 6.5		
Test Setup:			
Operating Environment:			
Temperature:	24.3 °C		
Humidity:	49.7 %		

Atmospheric Pressure:	1010 mbar
Test voltage:	AC 120V 60Hz

5.5.1 Test Data

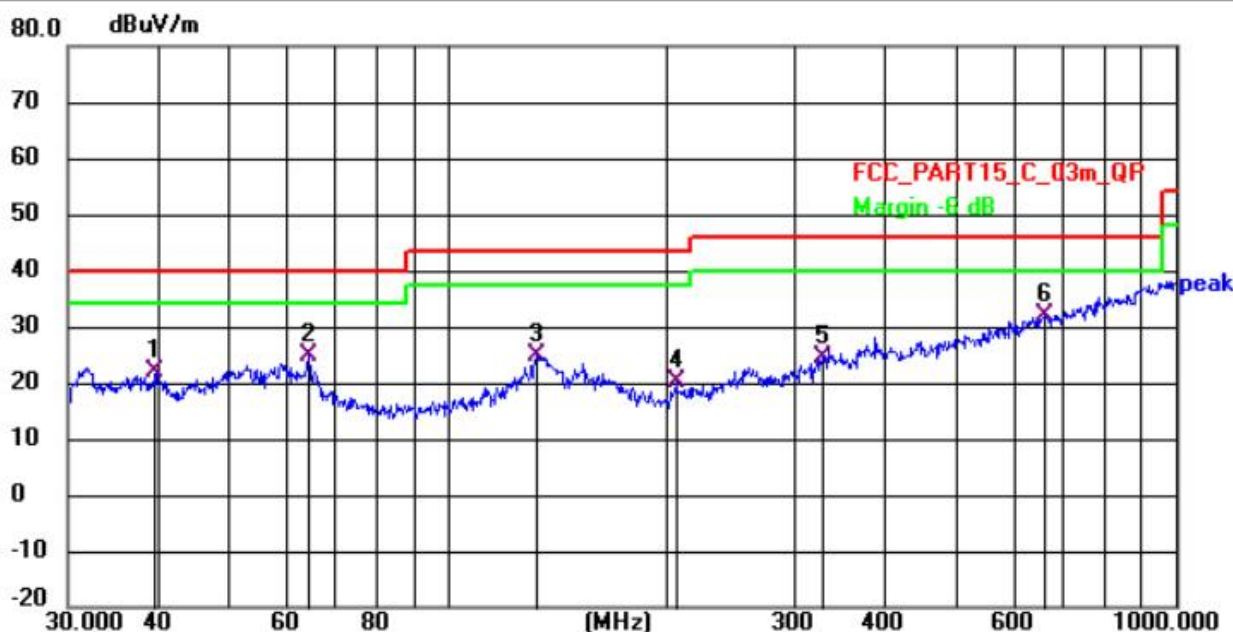
Remark: The report only reflects the worst test data.

TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	66.4989	30.89	-10.97	19.92	40.00	-20.08	QP	Pass
2	141.5777	29.58	-7.91	21.67	43.50	-21.83	QP	Pass
3	207.1226	31.65	-9.53	22.12	43.50	-21.38	QP	Pass
4	354.8047	31.66	-4.92	26.74	46.00	-19.26	QP	Pass
5	542.3225	28.30	1.09	29.39	46.00	-16.61	QP	Pass
6 *	813.1115	28.25	7.07	35.32	46.00	-10.68	QP	Pass

TM1 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	39.6452	31.00	-8.87	22.13	40.00	-17.87	QP	Pass
2	64.3202	35.76	-11.00	24.76	40.00	-15.24	QP	Pass
3	132.6850	33.44	-8.51	24.93	43.50	-18.57	QP	Pass
4	206.0360	29.71	-9.41	20.30	43.50	-23.20	QP	Pass
5	326.7395	29.82	-5.31	24.51	46.00	-21.49	QP	Pass
6 *	656.5300	28.14	3.98	32.12	46.00	-13.88	QP	Pass

6 Test Setup Photos

Please refer to the Appendix I Test Setup Photos.

7 EUT Constructional Details (EUT Photos)

Please refer to the Appendix II External Photos & Appendix III External Photos.



BTF Testing Lab (Shenzhen) Co., Ltd.

Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street,
Bao'an District, Shenzhen, Guangdong, China

www.btf-lab.com

--END OF REPORT--