

RF Test Report

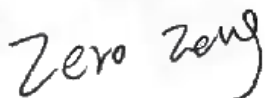
For

Applicant name: SHENZHEN TORRAS TECHNOLOGY CO.,LTD.
Address: RM1215, BLK C, Zhantao Technology BLDG, Minzhi Avenue, Minzhi ST, Longhua DIST, Shenzhen, China
EUT name: 3-in-1 Wireless Charger
Brand name: TORRAS
Model number: WX11
Series model number: N/A
FCC ID: 2AN4Y-WX11

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: BTF260730R00201
Test standards: FCC CFR Title 47 Part 15 Subpart C
Test conclusion: Pass
Date of sample receipt: 2026-07-30
Test date: 2026-07-30 to 2026-08-20
Date of issue: 2026-09-03

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	2026-09-03	Original

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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	3-in-1 Wireless Charger
Under test model name	WX11
Series model name	N/A
Description of model name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
AC adapter	Model: FL08C Input: 100-240V~50/60Hz 1.8A Output:5V== 3A, 9V== 3A, 12V== 3A, 15V== 3A, 20V== 3.35A 67W Max
Ratings	Input: 9V== 3A/12V== 3A / 15V== 3A / 20V== 3.35A Output: Phone 1: 25W Max, Phone 2/Earbuds: 15W Max, Watch: 5W Max Total Output: 45W Max

2.5 Technical Information

Operation frequency:	Phone:110 kHz-205kHz, 300 kHz-400kHz, Earbuds:110 kHz-205kHz, 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	iPhone	Apple	iPhone 15 pro	/	/
2	Earbuds	Apple	Air Pods 4	/	/
3	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	2025/8/23	2026/8/22
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	2025/8/23	2026/8/22
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	2025/8/23	2026/8/22
ABOVE-Cable1	REBES Talent	18~40G	21101687	2025/8/23	2026/8/22
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	2025/8/23	2026/8/22
Coaxial Switcher	Schwarzbeck	CX210	CX210	/	/
Pulse Limiter	Schwarzbeck	VTSD 9561-F	00953	/	/
LISN-Cable	REBES Talent	LISN9K30M	21101580	2025/8/23	2026/8/22
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	ANT1+ANT2+ANT3	Mode 1: AC/DC Adapter+EUT + Wireless load-1(Battery Status:99%) + Wireless load-2 (Battery Status:99%) + Wireless load-3 (Battery Status:99%)
		Mode 2: AC/DC Adapter+ EUT + Wireless load-1(Battery Status:50%) + Wireless load-2 (Battery Status:50%) + Wireless load-3 (Battery Status:50%)
		Mode 3: AC/DC Adapter+EUT + Wireless load-1(Battery Status:1%) + Wireless load-2 (Battery Status:1%) + Wireless load-3 (Battery Status:1%)
	ANT1 Alone	Mode 1: AC/DC Adapter +EUT + Wireless load-1(Battery Status:99%) Mode 2: AC/DC Adapter+EUT + Wireless load-1(Battery Status:50%) Mode 3: AC/DC Adapter+EUT + Wireless load-1(Battery Status:1%)
	ANT2 Alone	Mode 1: AC/DC Adapter+ EUT + Wireless load-2(Battery Status:99%) Mode 2: AC/DC Adapter+ EUT + Wireless load-2(Battery Status:50%) Mode 3: AC/DC Adapter+ EUT + Wireless load-2(Battery Status:1%)
	ANT3 Alone	Mode 1: AC/DC Adapter+ EUT + Wireless load-3(Battery Status:99%) Mode 2: AC/DC Adapter+ EUT + Wireless load-3(Battery Status:50%) Mode 3: AC/DC Adapter+ EUT + Wireless load-3(Battery Status:1%)
	No Loads	Mode 2: AC/DC Adapter + EUT
Note: All modes have been tested, and only the worst case ANT1+ANT2+ANT3_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

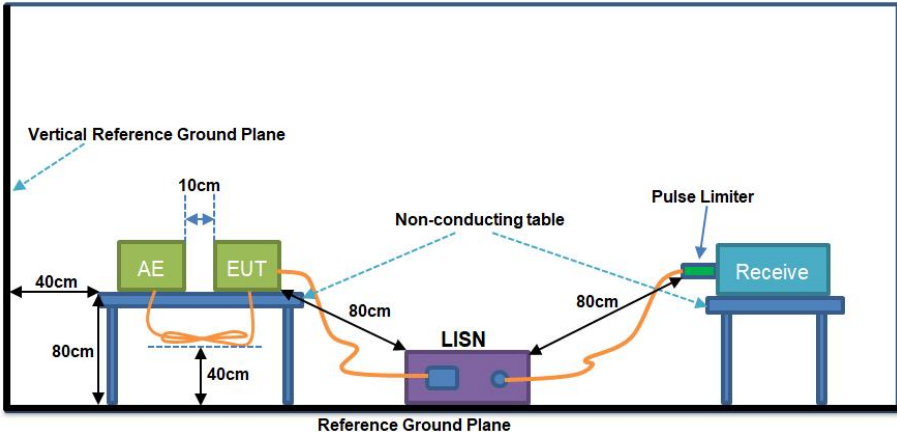
5.1 Antenna requirement

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

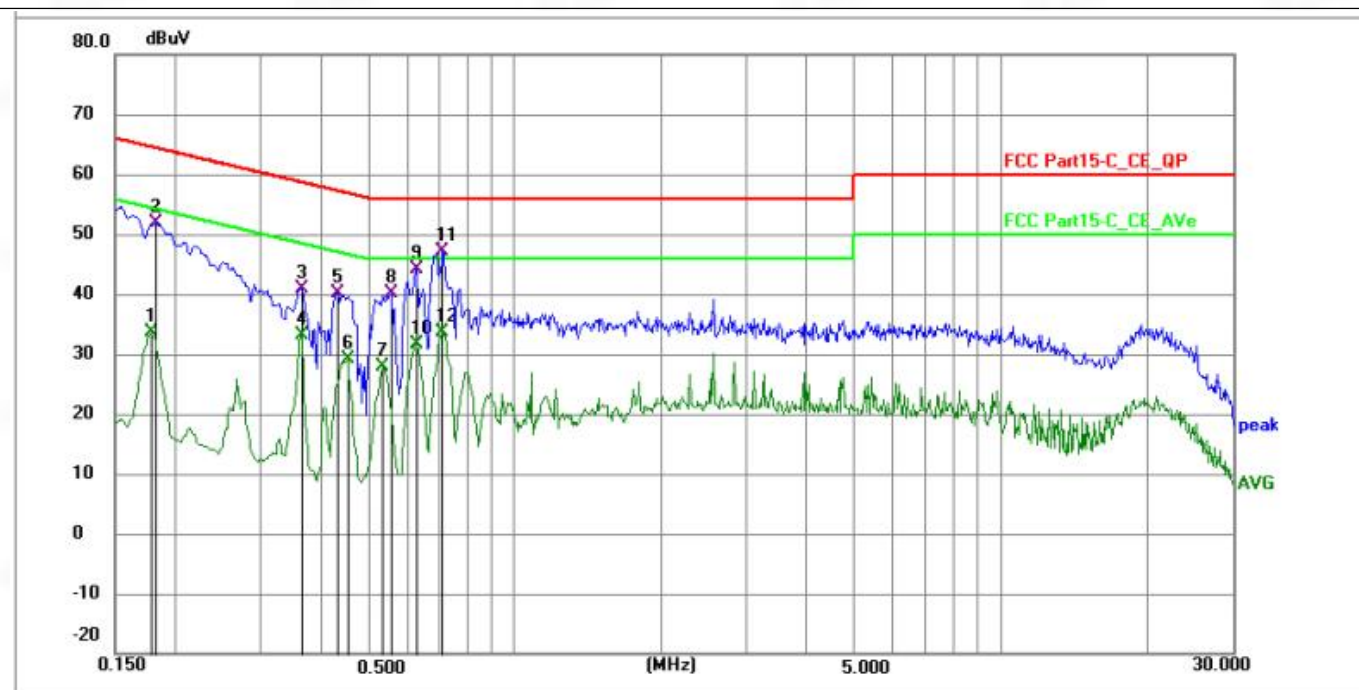
Test Requirement:	Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 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

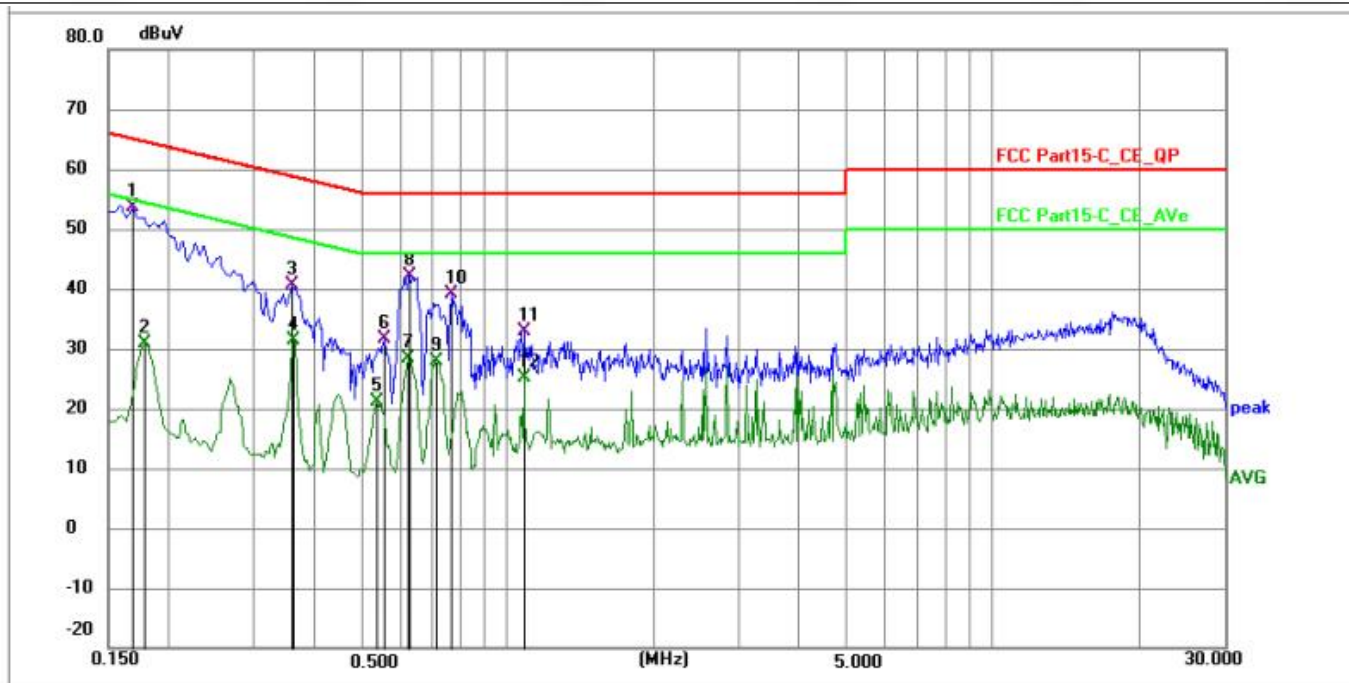
Remark: The report only reflects the test data of worst mode.

TM1 / Line: Line



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1770	23.39	10.20	33.59	54.63	-21.04	AVG	P	
2	0.1814	41.64	10.19	51.83	64.42	-12.59	QP	P	
3	0.3614	30.80	10.12	40.92	58.70	-17.78	QP	P	
4	0.3614	23.00	10.12	33.12	48.70	-15.58	AVG	P	
5	0.4290	30.11	10.10	40.21	57.27	-17.06	QP	P	
6	0.4515	18.91	10.11	29.02	46.85	-17.83	AVG	P	
7	0.5324	17.70	10.12	27.82	46.00	-18.18	AVG	P	
8	0.5550	29.93	10.13	40.06	56.00	-15.94	QP	P	
9	0.6270	34.01	10.16	44.17	56.00	-11.83	QP	P	
10	0.6270	21.57	10.16	31.73	46.00	-14.27	AVG	P	
11 *	0.7080	36.85	10.20	47.05	56.00	-8.95	QP	P	
12	0.7080	23.40	10.20	33.60	46.00	-12.40	AVG	P	

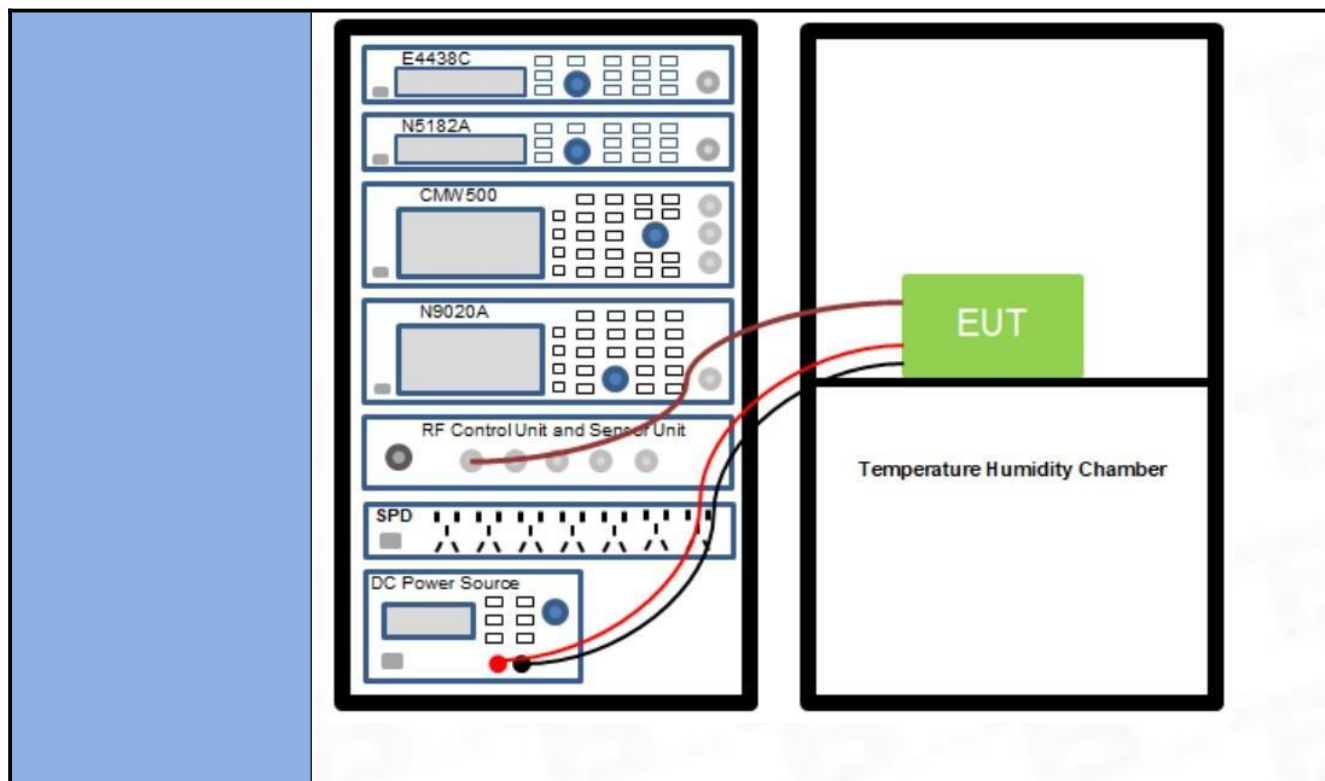
TM1 / Line: Neutral



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1680	43.41	10.11	53.52	65.06	-11.54	QP	P	
2	0.1770	20.72	10.11	30.83	54.63	-23.80	AVG	P	
3	0.3570	30.40	10.12	40.52	58.80	-18.28	QP	P	
4	0.3613	21.36	10.12	31.48	48.70	-17.22	AVG	P	
5	0.5370	11.09	10.14	21.23	46.00	-24.77	AVG	P	
6	0.5550	21.45	10.14	31.59	56.00	-24.41	QP	P	
7	0.6225	18.18	10.15	28.33	46.00	-17.67	AVG	P	
8	0.6270	31.94	10.15	42.09	56.00	-13.91	QP	P	
9	0.7125	17.85	10.15	28.00	46.00	-18.00	AVG	P	
10	0.7663	28.88	10.15	39.03	56.00	-16.97	QP	P	
11	1.0813	22.71	10.17	32.88	56.00	-23.12	QP	P	
12	1.0813	15.00	10.17	25.17	46.00	-20.83	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:

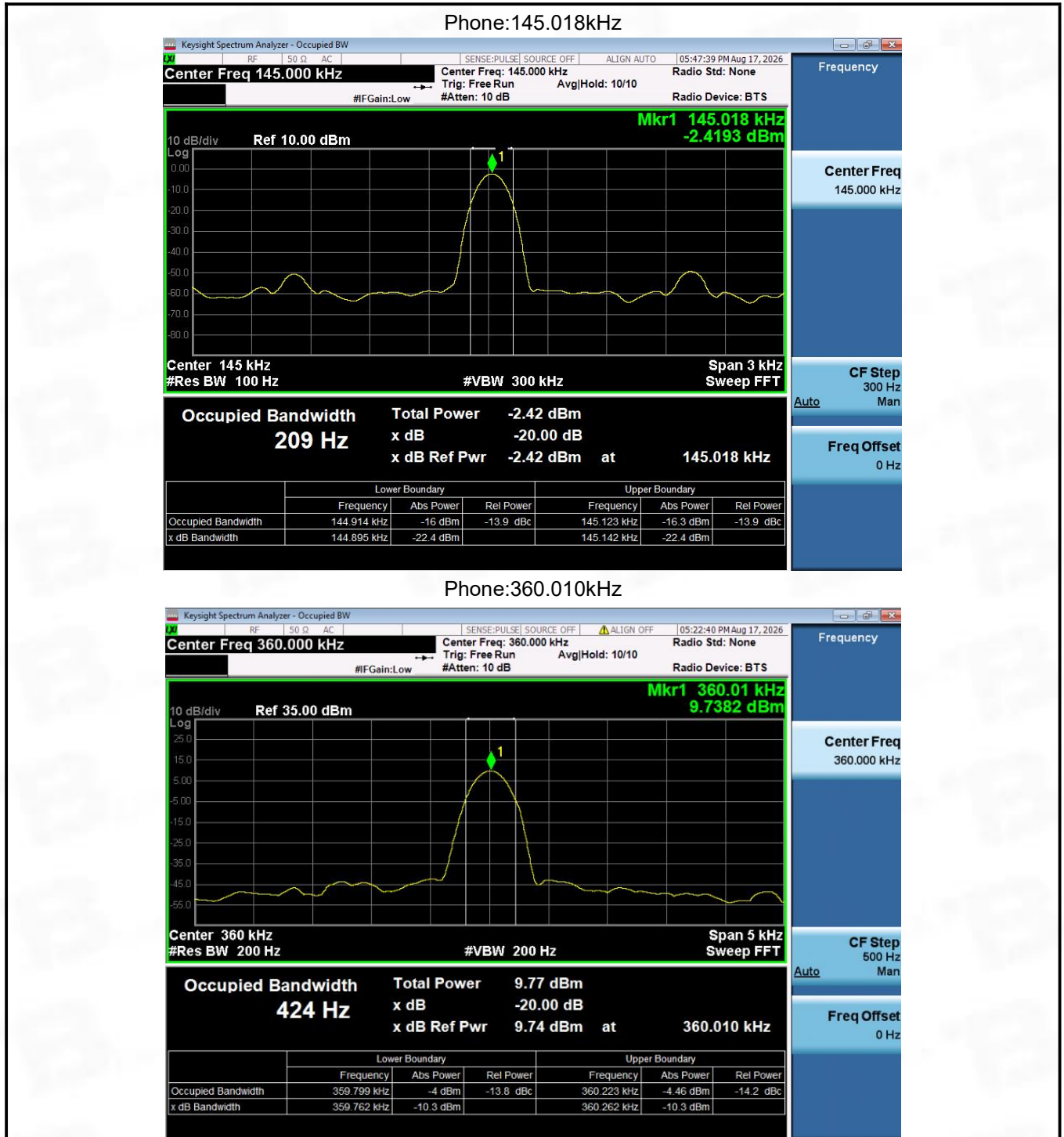
Temperature:	24.3 °C
Humidity:	49.7 %
Atmospheric Pressure:	1010 mbar
Test voltage:	AC 120V 60Hz

5.3.1 Test Data

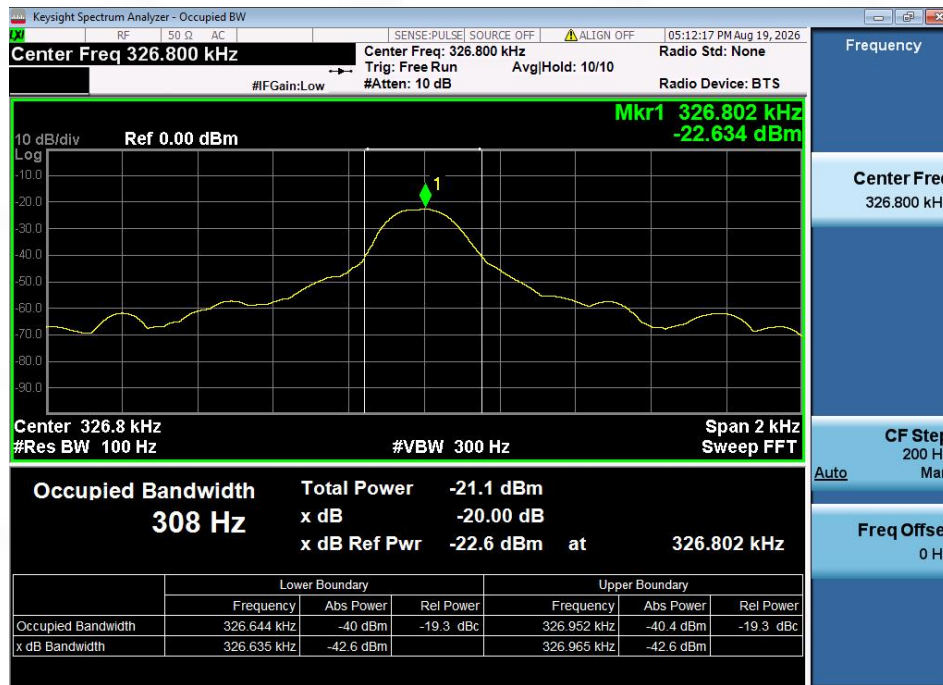
Test Frequency (kHz)	f_L (kHz)	f_H (kHz)	20dB Bandwidth (Hz)	Limits
Phone:145.018	144.895	145.142	247	N/A
Phone:360.010	359.762	360.262	500	N/A
Watch: 326.802	326.635	326.965	330	N/A
Watch: 1.7777MHz	1.750387MHz	1.781801MHz	31.414kHz	N/A
Earbuds:126.718	126.594	126.890	296	N/A

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

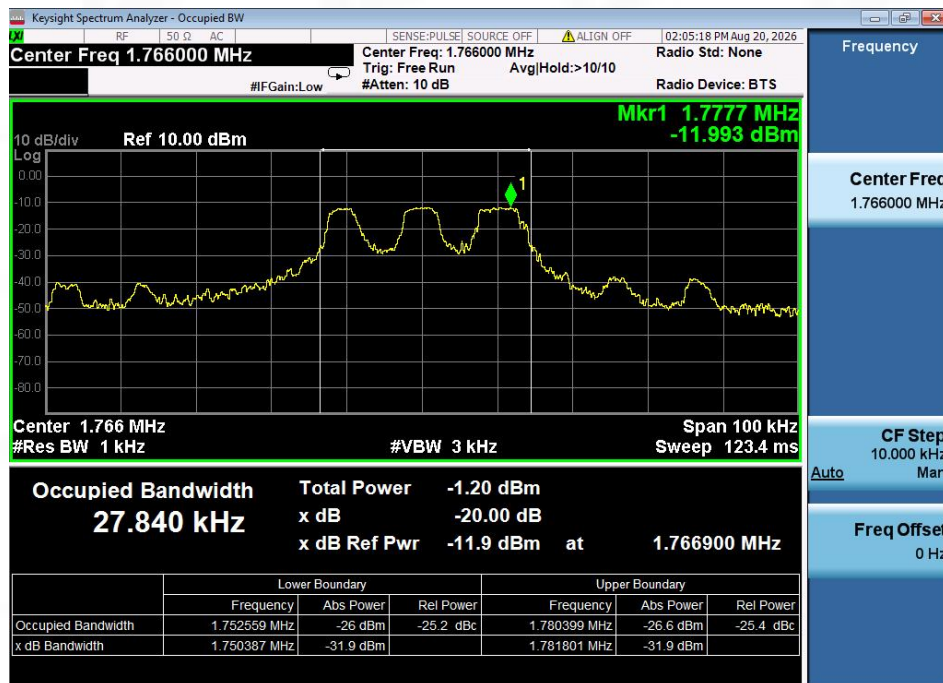
Test Plot as Follows:

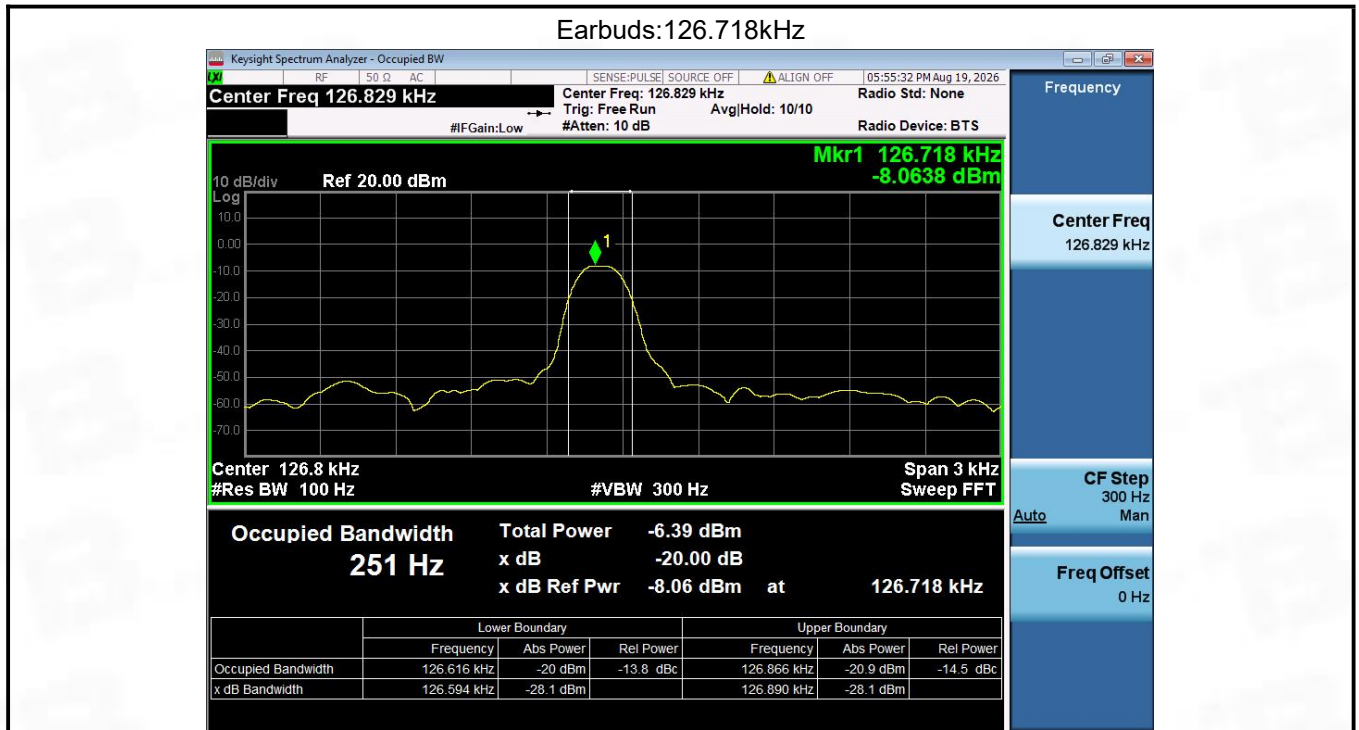


Watch: 326.802kHz

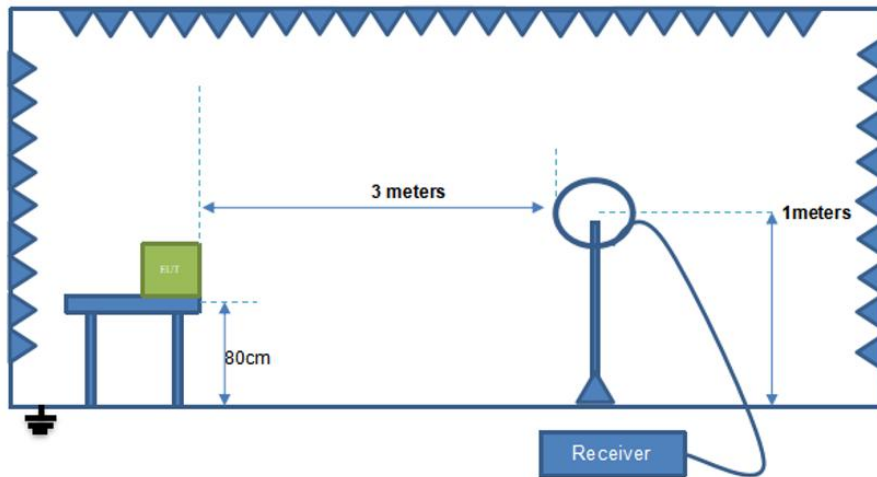


Watch: 1.7777MHz





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		

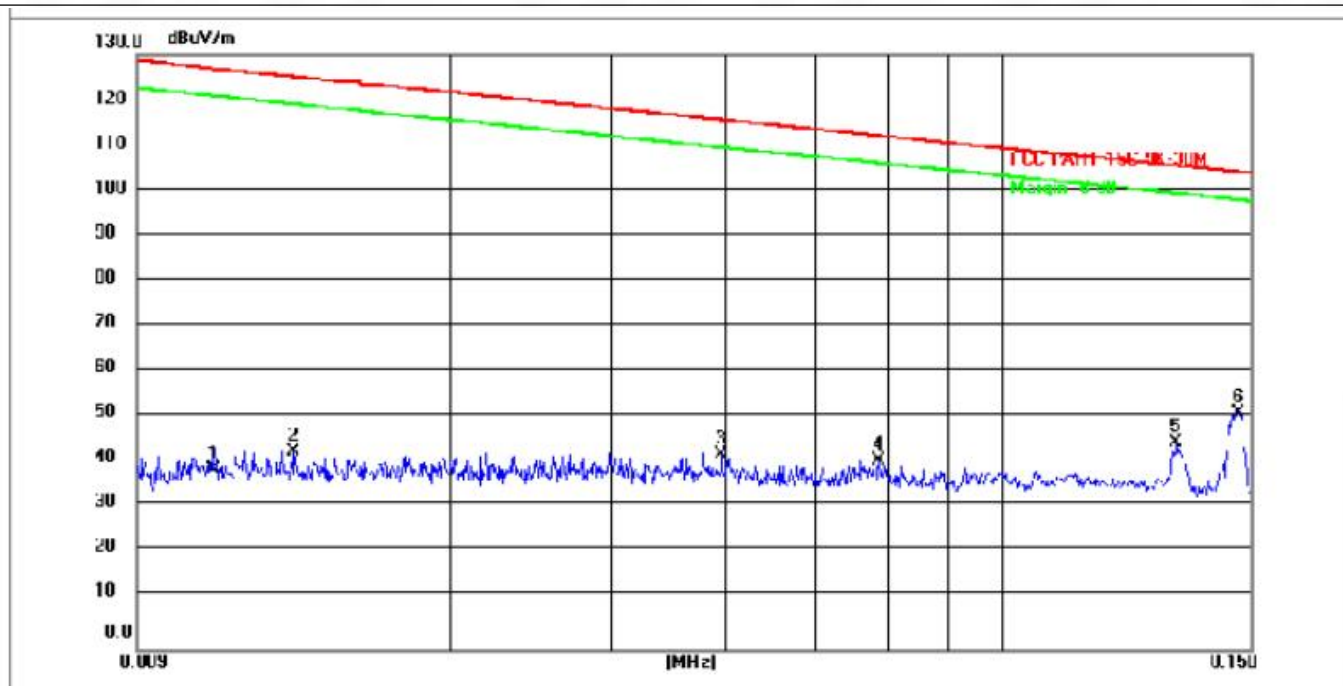
Test voltage: AC 120V 60Hz

5.4.1 Test Data

Test Frequency (MHz)	Field strength(dBuV/m)	Limits
0.1250	53.39	105.66
0.1444	55.84	104.41
0.3260	37.50	97.34
0.3583	40.37	96.52
1.7575	32.67	69.50

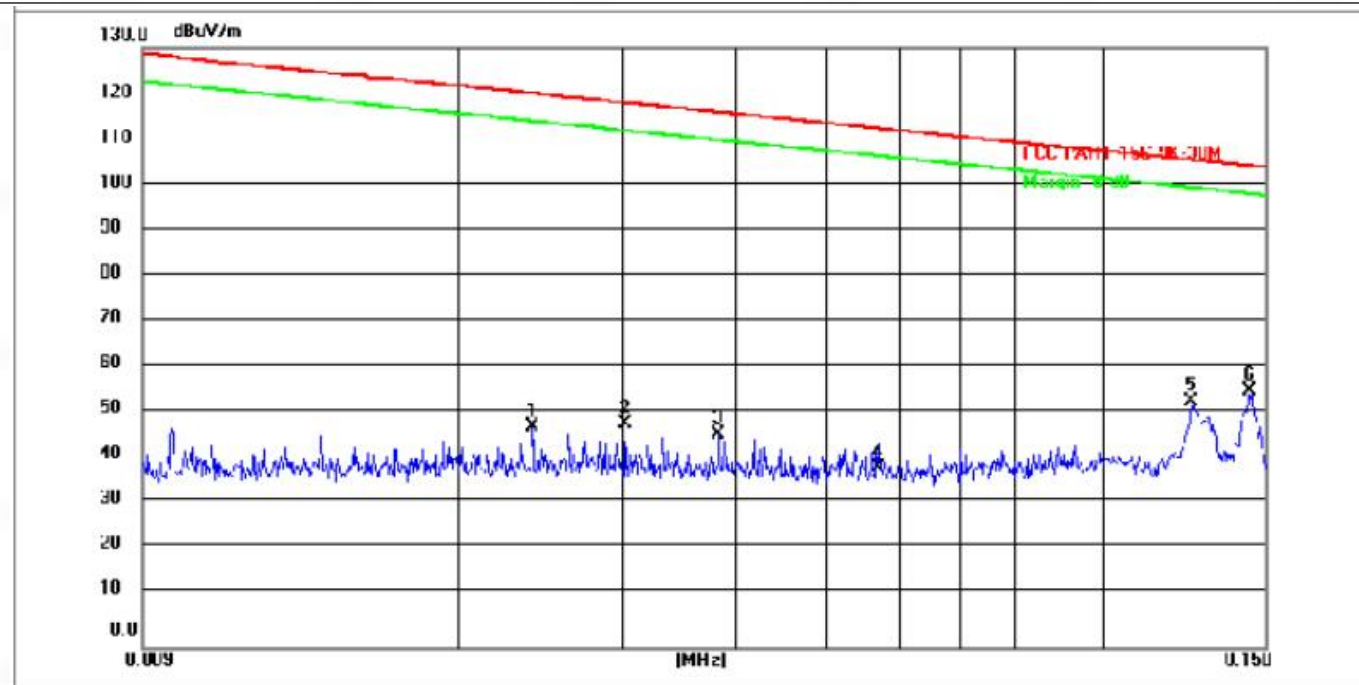
Remark: The report only reflects the worst test data.

TM1 / Polarization: Coaxial



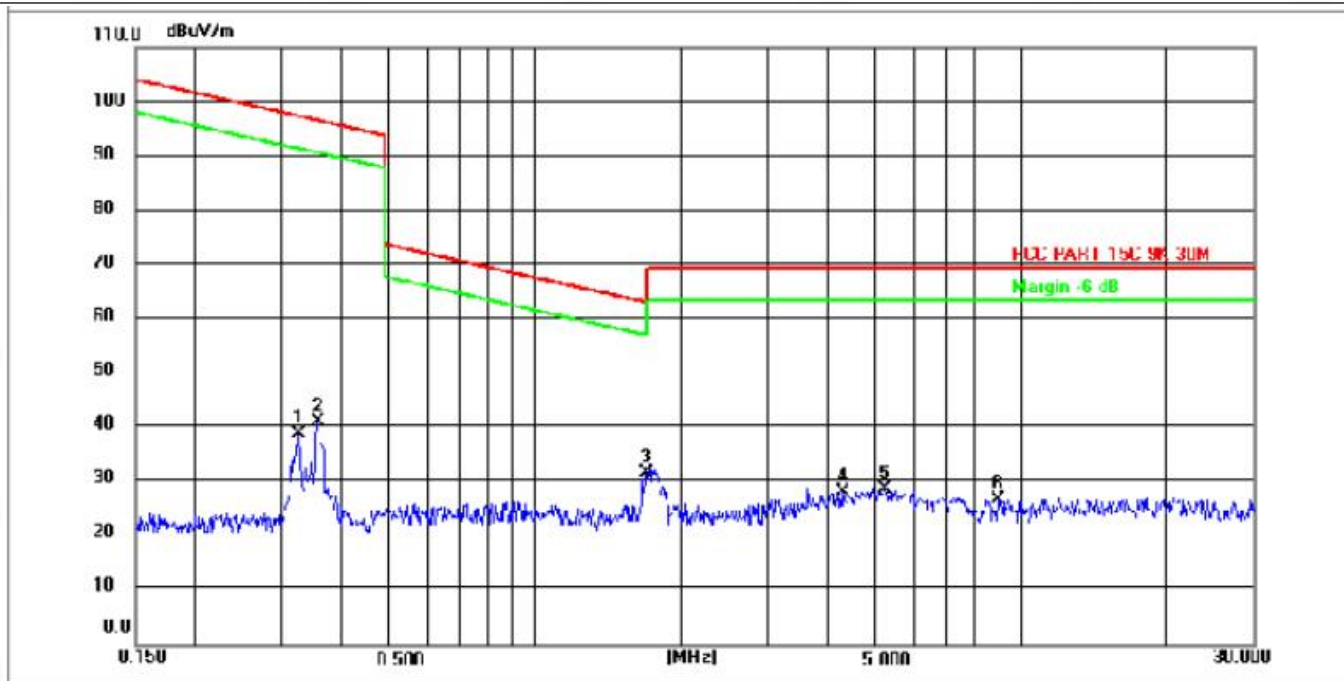
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.0110	71.00	-31.44	39.56	126.76	-87.20	peak	P
2	0.0134	74.93	-31.44	43.49	125.04	-81.55	peak	P
3	0.0395	74.02	-31.42	42.60	115.66	-73.06	peak	P
4	0.0585	72.90	-31.40	41.50	112.25	-70.75	peak	P
5	0.1242	76.55	-31.10	45.45	105.71	-60.26	peak	P
6 *	0.1454	82.84	-31.03	51.81	104.35	-52.54	peak	P

TM1 / Polarization: Coplanar



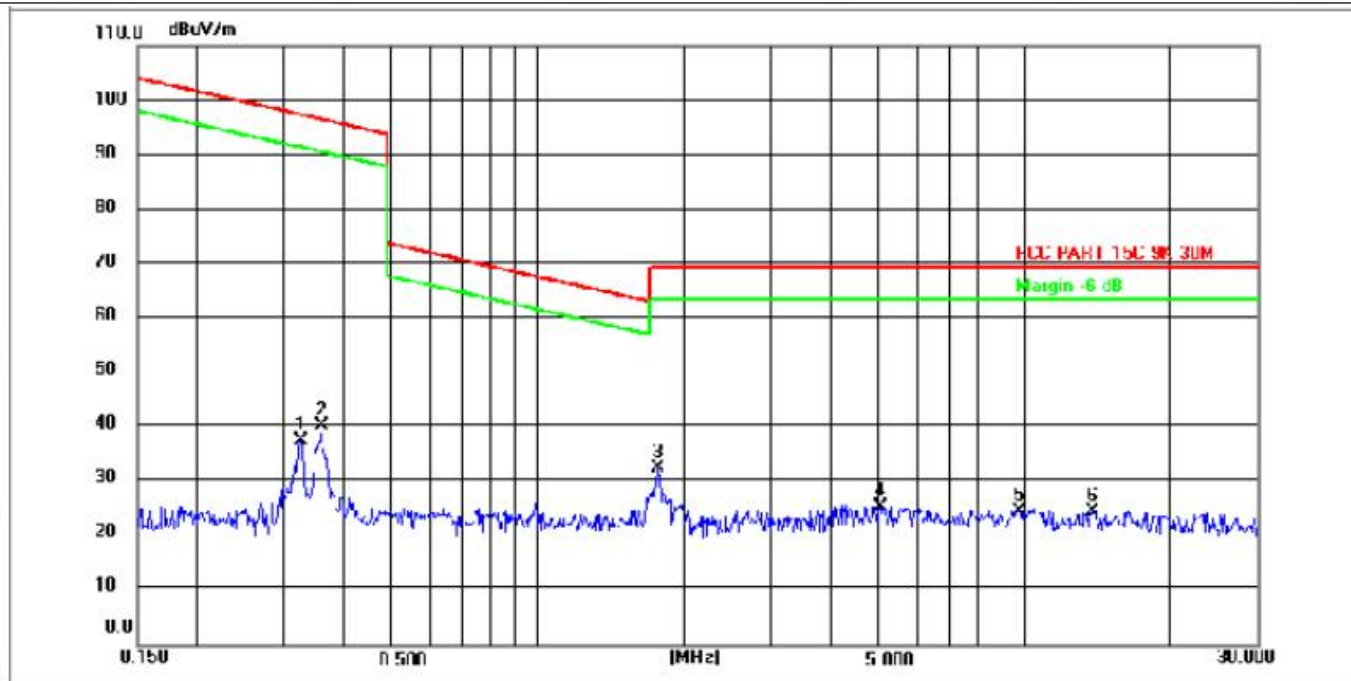
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.0240	79.49	-31.43	48.06	119.99	-71.93	peak	P
2	0.0302	80.12	-31.42	48.70	117.99	-69.29	peak	P
3	0.0381	77.85	-31.42	46.43	115.97	-69.54	peak	P
4	0.0570	70.52	-31.40	39.12	112.48	-73.36	peak	P
5	0.1250	84.47	-31.08	53.39	105.66	-52.27	peak	P
6 *	0.1444	86.89	-31.05	55.84	104.41	-48.57	peak	P

TM1 / Polarization: Coaxial



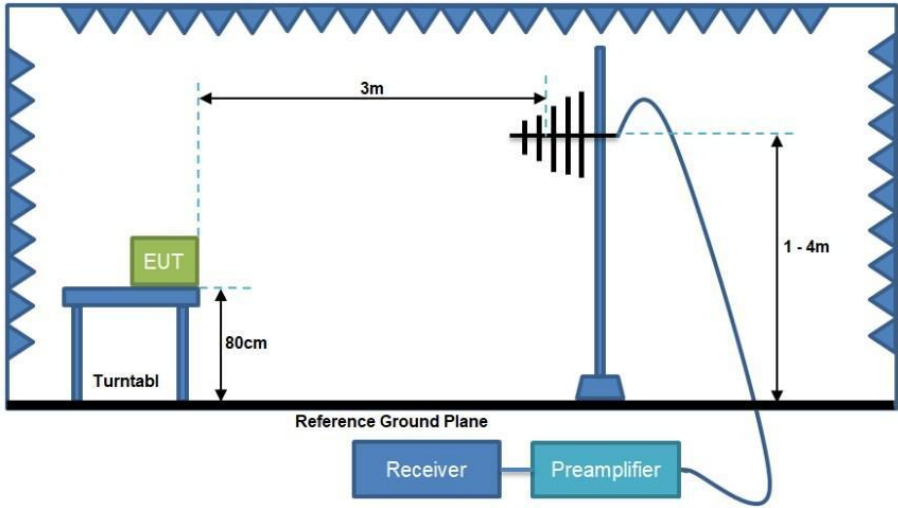
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	0.3260	69.48	-30.65	38.83	97.34	-58.51	peak	P
2	0.3567	71.81	-30.58	41.23	96.56	-55.33	peak	P
3 *	1.6980	59.34	-27.70	31.64	63.04	-31.40	peak	P
4	4.2918	50.64	-22.35	28.29	69.50	-41.21	peak	P
5	5.2490	49.16	-20.36	28.80	69.50	-40.70	peak	P
6	8.9634	57.24	-30.51	26.73	69.50	-42.77	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	68.15	-30.65	37.50	97.34	-59.84	peak	P
2	0.3583	70.95	-30.58	40.37	96.52	-56.15	peak	P
3 *	1.7575	60.25	-27.58	32.67	69.50	-36.83	peak	P
4	5.0580	46.25	-20.76	25.49	69.50	-44.01	peak	P
5	9.7308	55.08	-30.45	24.63	69.50	-44.87	peak	P
6	13.7315	54.94	-30.19	24.75	69.50	-44.75	peak	P

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

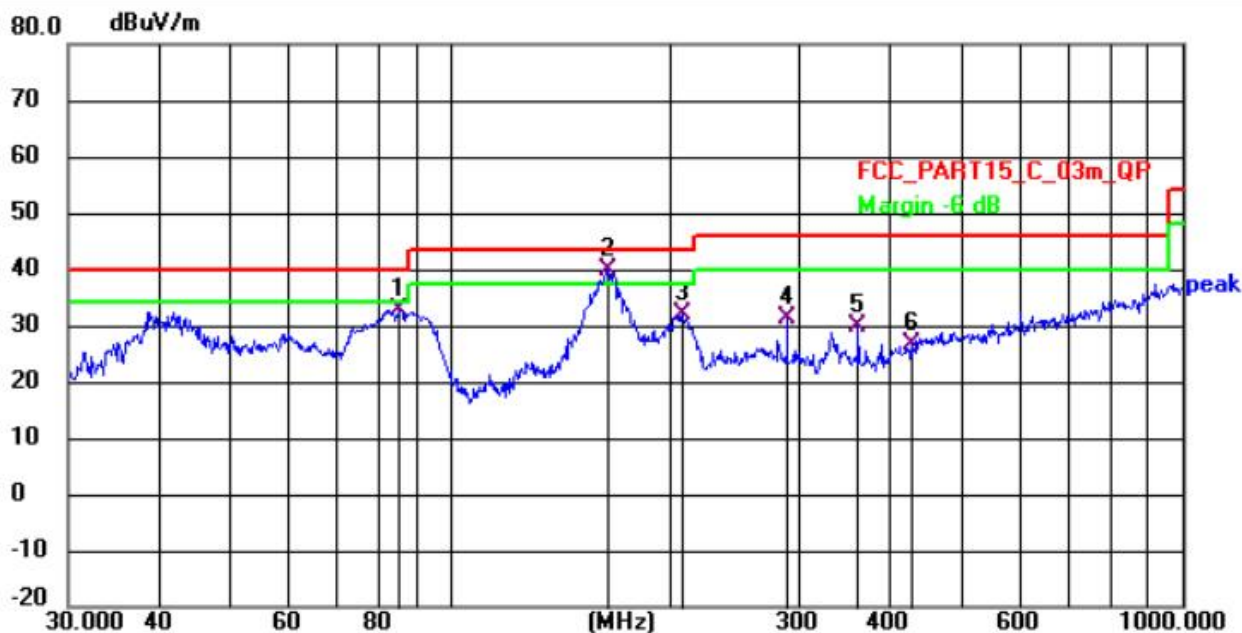
Test Requirement:	47 CFR Part 15.209		
Test Method:	ANSI C63.10-2020 section 6.5		
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
	0.009-0.490	2400/F(kHz)	300
	0.490-1.705	24000/F(kHz)	30
	1.705-30.0	30	30
	30-88	100 **	3
	88-216	150 **	3
	216-960	200 **	3
	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

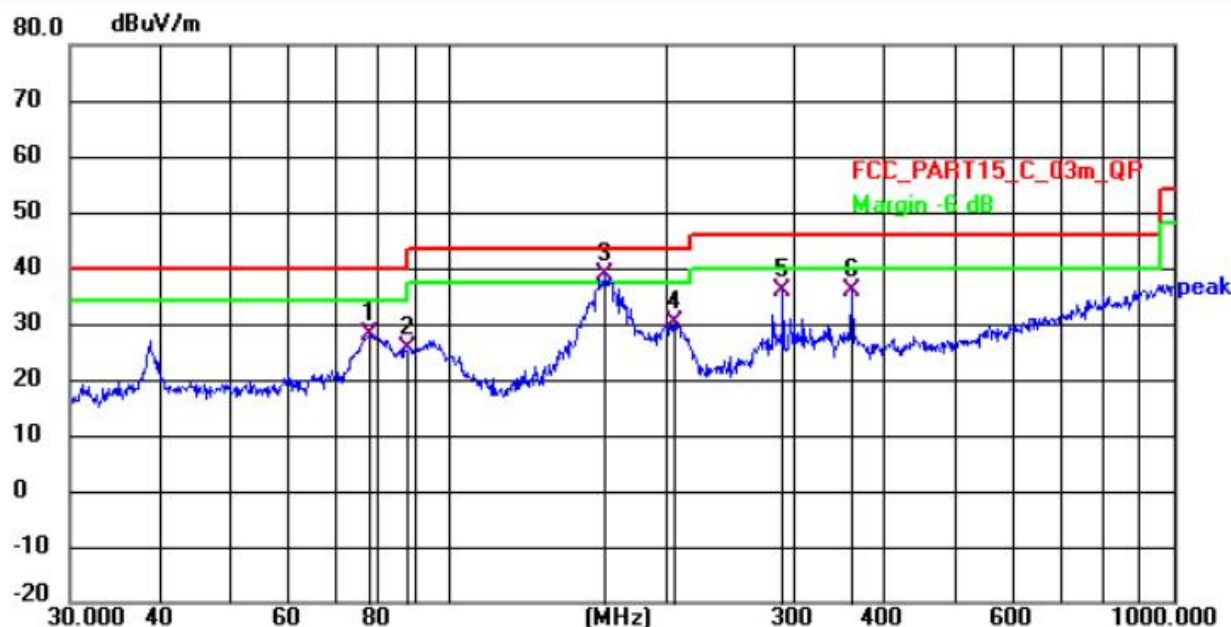
Remark: The report only reflects the worst test data.

TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	84.9993	45.02	-12.18	32.84	40.00	-7.16	QP	Pass
2 *	164.3301	47.47	-7.61	39.86	43.50	-3.64	QP	Pass
3	206.7597	41.77	-9.83	31.94	43.50	-11.56	QP	Pass
4	287.9904	38.88	-7.70	31.18	46.00	-14.82	QP	Pass
5	360.4476	34.95	-4.98	29.97	46.00	-16.03	QP	Pass
6	428.0192	29.64	-3.14	26.50	46.00	-19.50	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	77.8654	40.63	-12.58	28.05	40.00	-11.95	QP	Pass
2	87.8787	37.81	-12.21	25.60	40.00	-14.40	QP	Pass
3 *	163.7550	46.27	-7.61	38.66	43.50	-4.84	QP	Pass
4	204.9551	39.73	-9.65	30.08	43.50	-13.42	QP	Pass
5	287.9904	43.76	-7.70	36.06	46.00	-9.94	QP	Pass
6	360.4476	40.90	-4.98	35.92	46.00	-10.08	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.



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--END OF REPORT--