FCC Radio Test Report

FCC ID: 2A7YG-CF-WC06-BL

Original Grant

Report No.	:	TBR-C-202207-0159-1
Applicant	:	Shenzhen Shi ChangfengXinwei Keji Youxian Gongsi
Equipment Under Test (EUT)		
EUT Name	:	3 in 1 wireless charging station
Model No.	:	CF-WC06-BL
Series Model No.	:	CF-WC06-WH, CF-WC06-RG, CF-WC06-GL, CF-WC06-GR, CF-WC06-SG, CF-WC06-BU, CF-WC06-DG, CF-WC06-CO, CF-WC06-PK
Brand Name	:	Zacpny
Sample ID	:	202207-0159-1-1#& 202207-0159-1-2#
Receipt Date	:	2022-07-17
Test Date	:	2022-07-17 to 2022-07-29
Issue Date	:	2022-07-29
Standards	:	FCC Part 15, Subpart C(15.209)
Test Method	:	ANSI C63.10: 2013
Conclusions	:	**PASS**

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

Test/Witness Engineer	:	Seven Wu
Engineer Supervisor	:	IVAN SU
Engineer Manager	:	Ray Lai

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

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Contents

Revision History

Report No.	Version	Description	Issued Date
TBR-C-202207-0159-1	Rev.01	Initial issue of report	2022-07-29

1. General Information about EUT

1.1 Client Information

Applicant	:	Shenzhen Shi ChangfengXinwei Keji Youxian Gongsi
Address	:	Mei Lan Shang Wu Zhong Xin 1009 Xi Xiang Jie Dao Fu Hua She Qu Bao Yun Da Wu Liu Zhong Xin Shen Zhen Guang Dong,China 816000
Manufacturer	:	Shenzhen Shi ChangfengXinwei Keji Youxian Gongsi
Address	:	Mei Lan Shang Wu Zhong Xin 1009 Xi Xiang Jie Dao Fu Hua She Qu Bao Yun Da Wu Liu Zhong Xin Shen Zhen Guang Dong,China 816000

1.2 General Description of EUT (Equipment Under Test)

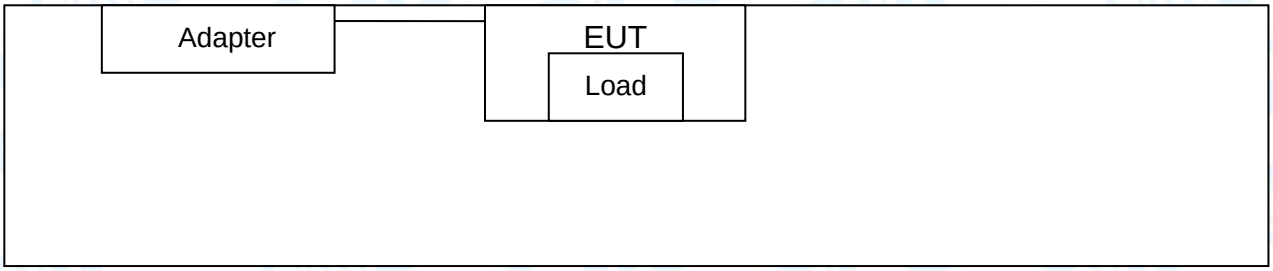
EUT Name	:	3 in 1 wireless charging station	
Models No.	:	CF-WC06-BL, CF-WC06-WH, CF-WC06-RG, CF-WC06-GL, CF-WC06-GR, CF-WC06-SG, CF-WC06-BU, CF-WC06-DG, CF-WC06-CO, CF-WC06-PK	
Model Difference	:	All these models are the same in the same PCB, layout and circuit, the only difference is the model name and appearance color.	
Product Description	:	Operation Frequency:	113-205KHz for phone 300-350KHz for Watch
		Modulation Type:	ASK
		Antenna:	Coil Antenna
Power Rating	:	Adapter:CA-25 Input: AC 100-240V 50/60Hz~0.5A Output: DC3.6V~6.5V,3A; DC6.5V~9V,2A; DC9V~12V,1.5A Wireless charging output: Phone: 10W(mAX), Watch: 2.5W(Max) Earphone output: 2.5W(Max)	
Software Version	:	V.5.2	
Hardware Version	:	V.5.3	
Connecting I/O Port(S)	:	Please refer to the User's Manual	

Note:

(1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

1.3 Block Diagram Showing the Configuration of System Tested

Charging + TX Mode



1.4 Description of Support Units

Equipment Information				
Name	**Model**	**S/N**	**Manufacturer**	**Used " √ "**
apple Watch	Series 7	----	Apple	√
earphone	Air pods	----	Apple	√
Phone	phone	----	Apple	√
Adapter	HW-059200CHQ	----	HUAWEI	√
Cable Information				
Number	**Shielded Type**	**Ferrite Core**	**Length**	**Note**
1	No	No	1m	

1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

Test Modes:		
Mode 1	AC/DC Adapter + EUT + earphone + phone + Watch (Battery Status: <1%)	Record
Mode 2	AC/DC Adapter + EUT + earphone + phone + Watch (Battery Status: <1%)	Pre-tested
Mode 3	AC/DC Adapter + EUT + earphone + phone + Watch (Battery Status: <1%)	Pre-tested
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		

Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest,

middle, lowest available channels, and the worst case data rate as follows:
TX Mode: Transmitting mode.

(2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.

(3) The EUT is considered a Mobile unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.

1.6 Description of Test Software Setting

During testing channel& Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of RF setting.

Test Software Version	N/A
Frequency	300-350KHz(Watch)
	113-205KHz(phone)

1.7 Measurement Uncertainty

The reported uncertainty of measurement y ± U，where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2，providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U_{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	±3.50 dB ±3.10 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.50 dB
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB

1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F.,Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang,Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025：2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01. FCC Accredited Test Site Number: 854351.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A.

2. Test Summary

FCC Part 15 Subpart C(15.209)			
Standard Section	**Test Item**	**Judgment**	**Remark**
15.203	Antenna Requirement	PASS	N/A
15.207(a)	Conducted Emission	PASS	N/A
15.209(a)(f)	Radiated emissions	PASS	N/A
15.215	Bandwidth	PASS	N/A
Note: N/A is an abbreviation for Not Applicable.			

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE

4. Test Equipment

Conducted Emission Test					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jun. 23, 2022	Jun. 22, 2023
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jun. 23, 2022	Jun. 22, 2023
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jun. 22, 2022	Jun. 21, 2023
LISN	Rohde & Schwarz	ENV216	101131	Jun. 22, 2022	Jun. 21, 2023
Radiation Emission Test					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 23, 2022	Jun. 22, 2023
MXA Signal Analyzer	Agilent	N9020A	MY47380425	Sep. 03, 2021	Sep. 02, 2022
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jun. 23, 2022	Jun. 22, 2023
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472	Feb. 26, 2022	Feb.25, 2023
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Feb. 27, 2022	Feb.26, 2024
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Dec. 05, 2021	Dec. 04, 2023
Horn Antenna	ETS-LINDGREN	3117	00143207	Feb. 26, 2022	Feb.25, 2024
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	Feb. 26, 2022	Feb.25, 2023
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Jun. 26, 2022	Jun.25, 2024
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jun. 26, 2022	Jun.25, 2024
Pre-amplifier	SONOMA	310N	185903	Feb. 26, 2022	Feb.25, 2023
Pre-amplifier	HP	8449B	3008A00849	Feb. 26, 2022	Feb.25, 2024
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Sep. 03, 2021	Sep. 02, 2022
HF Amplifier	Tonscend	TAP051845	AP21C806141	Sep. 03, 2021	Sep. 02, 2022
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Sep. 03, 2021	Sep. 02, 2022
Antenna Conducted Emission					
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Last Cal.**	**Cal. Due Date**
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jun. 23, 2022	Jun. 22, 2023
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 23, 2022	Jun. 22, 2023
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 03, 2021	Sep. 02, 2022
Spectrum Analyzer	KEYSIGT	N9020B	MY60110172	Sep. 03, 2021	Sep. 02, 2022
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 03, 2021	Sep. 02, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 03, 2021	Sep. 02, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 03, 2021	Sep. 02, 2022
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 03, 2021	Sep. 02, 2022
RF Control Unit	Tonsced	JS0806-2	21F8060439	Sep. 03, 2021	Sep. 02, 2022

5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1Test Standard

FCC Part 15.207

5.1.2 Test Limit

Conducted Emission Test Limit

Frequency	Maximum RF Line Voltage (dBμV)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

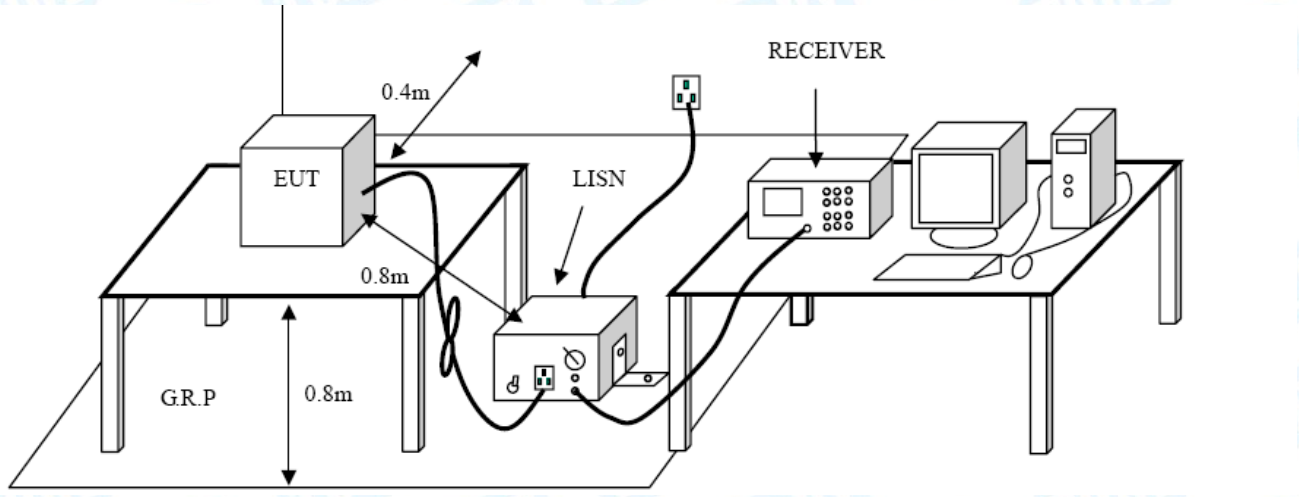
Notes:

(1) *Decreasing linearly with logarithm of the frequency.

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

(3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

5.2 Test Setup



5.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9 kHz, and the test frequency band is from 0.15MHz to 30MHz.

5.4 Deviation From Test Standard

No deviation

5.5 EUT Operating Mode

Please refer to the description of test mode.

5.6 Test Data

Please refer to the Attachment A.

6. Radiated Emission Test

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.209(a)(f)

6.1.2 Test Limit

Radiated Emission Limits (9 kHz~1000 MHz)

Frequency (MHz	Field Strength (microvolt/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
Note: 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.		

Radiated Emission Limit (Above 1000MHz)

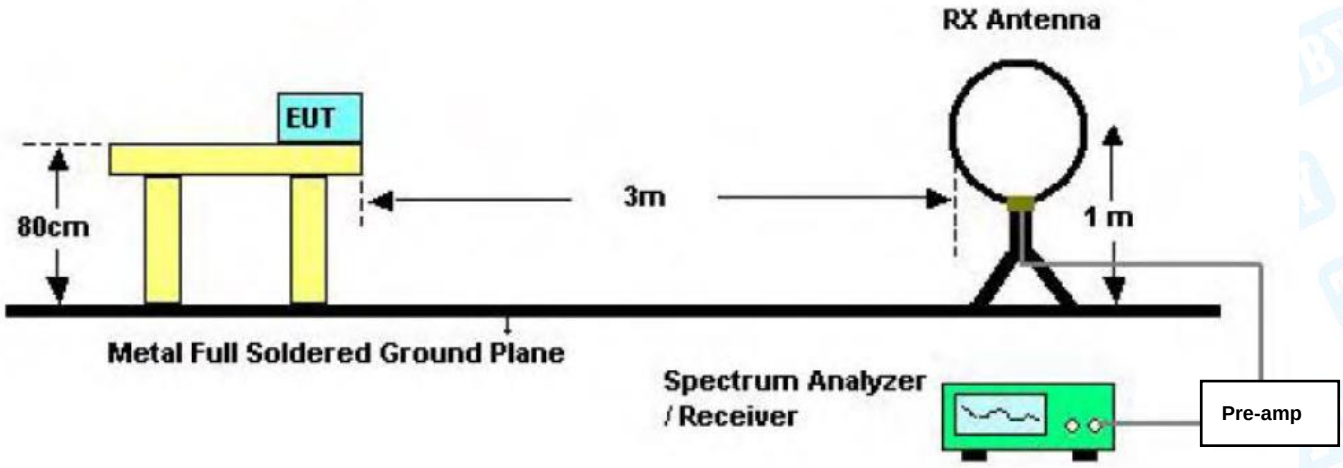
Frequency (MHz)	Distance of 3m (dBuV/m)	
	Peak	Average
Above 1000	74	54

Note:

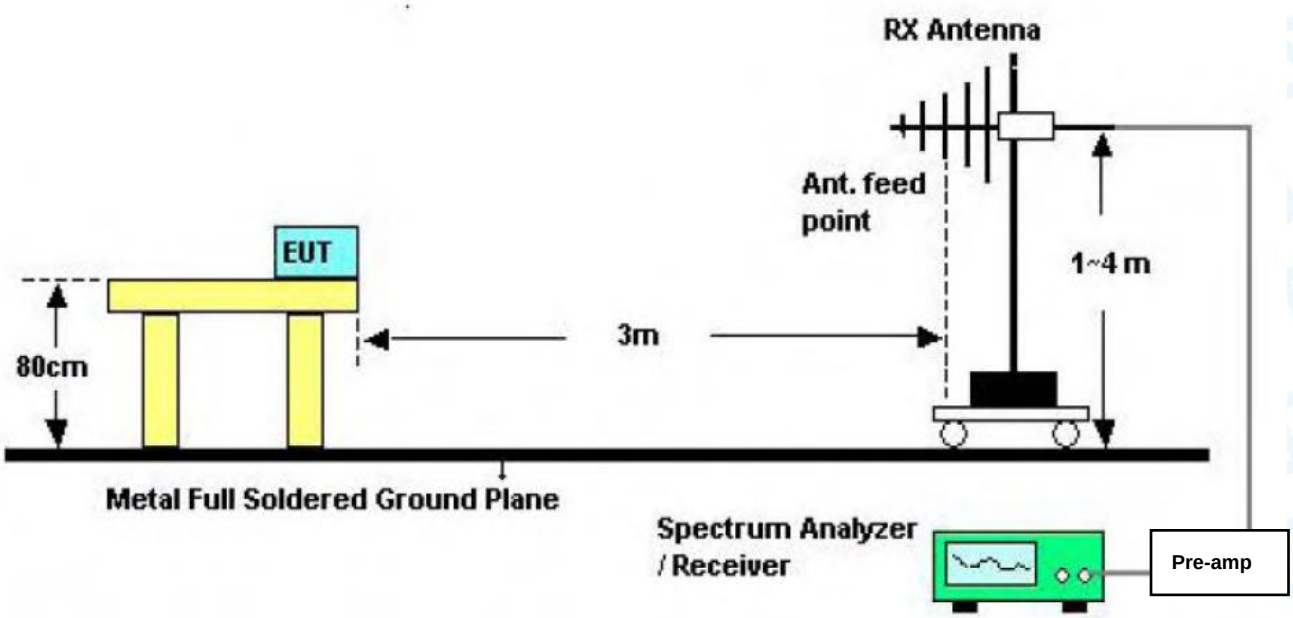
(1) The tighter limit applies at the band edges.

(2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

6.2 Test Setup



Below 30MHz Test Setup



Below 1000MHz Test Setup

6.3 Test Procedure

(1) Measurements at frequency 9KHz~30MHz and Below 1GHz. The EUT was placed on a rotating 0.8m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The table was rotated 360 degrees to determine the position of the highest radiation.

(2) 9KHz~30MHz the test antenna 1m away from the ground, Both 0° and 90° antenna are set to make measurement.
Below 1GHz the test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

(3) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

(4) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.

(5) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.

(6) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

(7) For 9kHz to 150kHz, Set the spectrum analyzer as:
RBW= 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold,
Sweep- auto couple.
For 150kHz to 30MHz, Set the spectrum analyzer as:
RBW= 9KHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold,
Sweep- auto couple

(8) For the actual test configuration, please see the test setup photo.

6.4 Deviation From Test Standard

No deviation

6.5 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

6.6 Test Data

Please refer to the Attachment B.

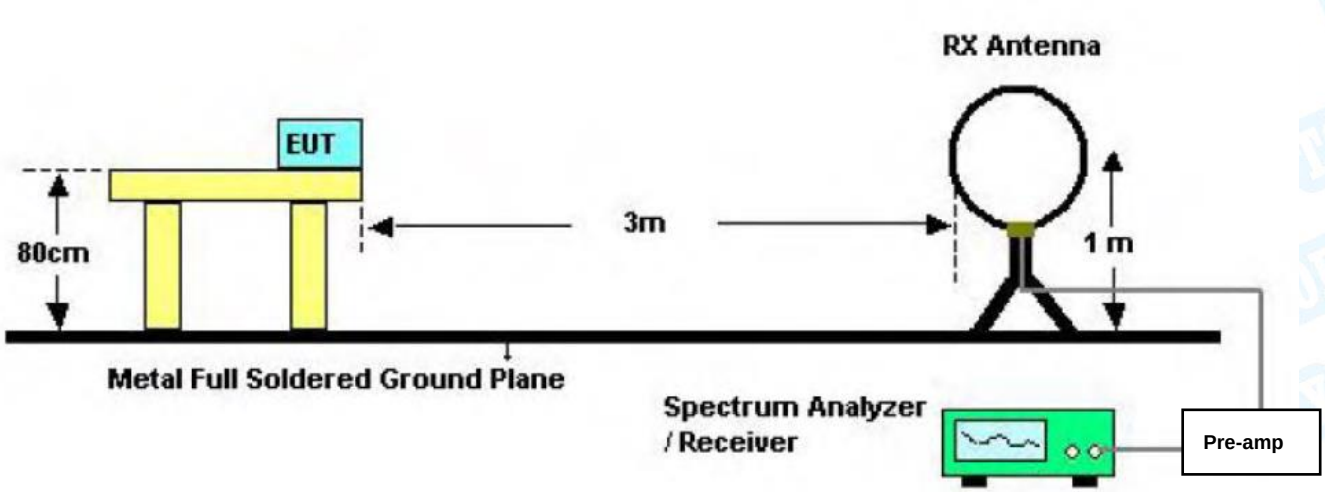
7. Bandwidth Measurement

7.1 Test Standard and Limit

7.1.1 Test Standard

FCC Part 15.215

7.2 Test Setup



7.3 Test Procedure

1. The transmitter shall be operated at its maximum carrier power measured under normal test conditions;
2. The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
3. The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

7.6 Test Data

Please refer to the Attachment C.

8. Antenna Requirement

8.1 Standard Requirement

8.1.1 Standard

FCC Part 15.203

8.1.2 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 shall be considered sufficient to comply with the provisions of this Section. 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.

8.2 Deviation From Test Standard

No deviation

8.3 Antenna Connected Construction

The antenna is Coil Antenna, and the antenna connector is de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

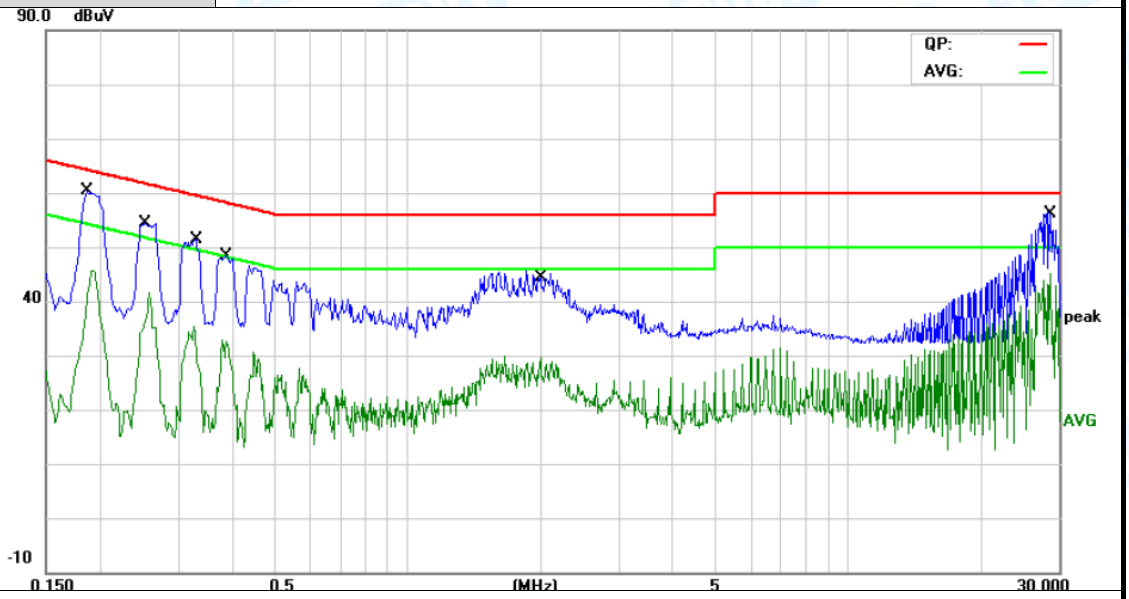
8.4 Result

The EUT antenna is a Coil Antenna. It complies with the standard requirement.

Antenna Type
☒Permanent attached antenna
☐Unique connector antenna
☐Professional installation antenna

Attachment A-- Conducted Emission Test Data

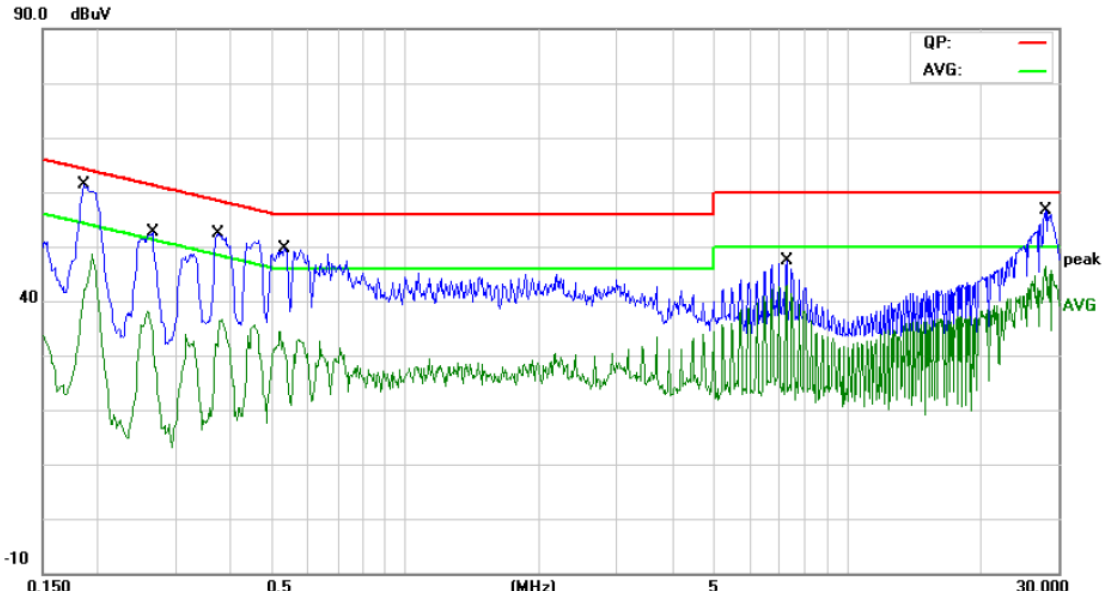
Temperature:	22.4℃	**Relative Humidity:**	43%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Line		
Test Mode:	Mode 1		
Remark:	Only worse case is reported.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1863	47.28	11.03	58.31	64.20	-5.89	QP
2		0.1863	34.57	11.03	45.60	54.20	-8.60	AVG
3		0.2521	41.49	10.92	52.41	61.68	-9.27	QP
4		0.2521	30.67	10.92	41.59	51.68	-10.09	AVG
5		0.3260	39.19	10.87	50.06	59.55	-9.49	QP
6		0.3260	24.42	10.87	35.29	49.55	-14.26	AVG
7		0.3860	36.43	10.90	47.33	58.15	-10.82	QP
8		0.3860	21.87	10.90	32.77	48.15	-15.38	AVG
9		1.9940	33.78	10.50	44.28	56.00	-11.72	QP
10		1.9940	19.05	10.50	29.55	46.00	-16.45	AVG
11		28.6780	43.48	10.83	54.31	60.00	-5.69	QP
12	*	28.6780	34.22	10.83	45.05	50.00	-4.95	AVG

Remark:
1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)

Temperature:	22.4℃	Relative Humidity:	43%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Neutral		
Test Mode:	Mode 1		
Remark:	Only worse case is reported		



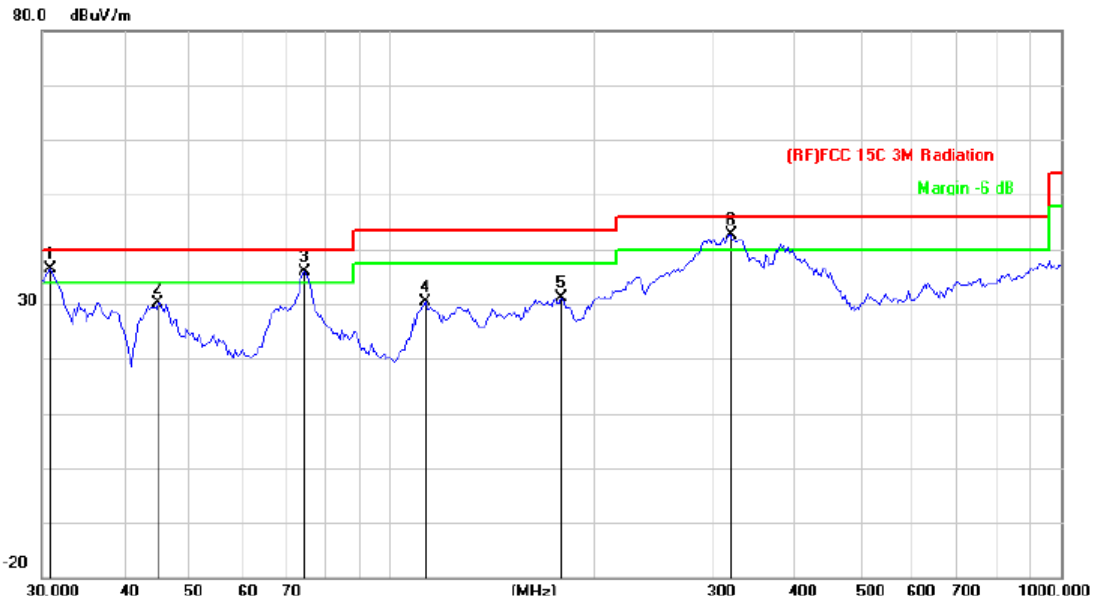
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1860	48.94	11.08	60.02	64.21	-4.19	QP
2		0.1860	37.58	11.08	48.66	54.21	-5.55	AVG
3		0.2660	45.19	11.02	56.21	61.24	-5.03	QP
4		0.2660	27.19	11.02	38.21	51.24	-13.03	AVG
5		0.3740	38.30	10.91	49.21	58.41	-9.20	QP
6		0.3740	25.73	10.91	36.64	48.41	-11.77	AVG
7		0.5299	38.34	10.91	49.25	56.00	-6.75	QP
8		0.5299	23.58	10.91	34.49	46.00	-11.51	AVG
9		7.2619	34.30	10.07	44.37	60.00	-15.63	QP
10		7.2619	32.92	10.07	42.99	50.00	-7.01	AVG
11		28.1340	41.65	10.96	52.61	60.00	-7.39	QP
12	*	28.1340	35.46	10.96	46.42	50.00	-3.58	AVG

Remark:
1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)
2. Margin (dB) =QuasiPeak/Average (dBuV)-Limit (dBuV)

Attachment B-- Radiated Emission Test Data

30MHz~1GHz

Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120/60Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 1		
Remark:	Only worse case is reported		

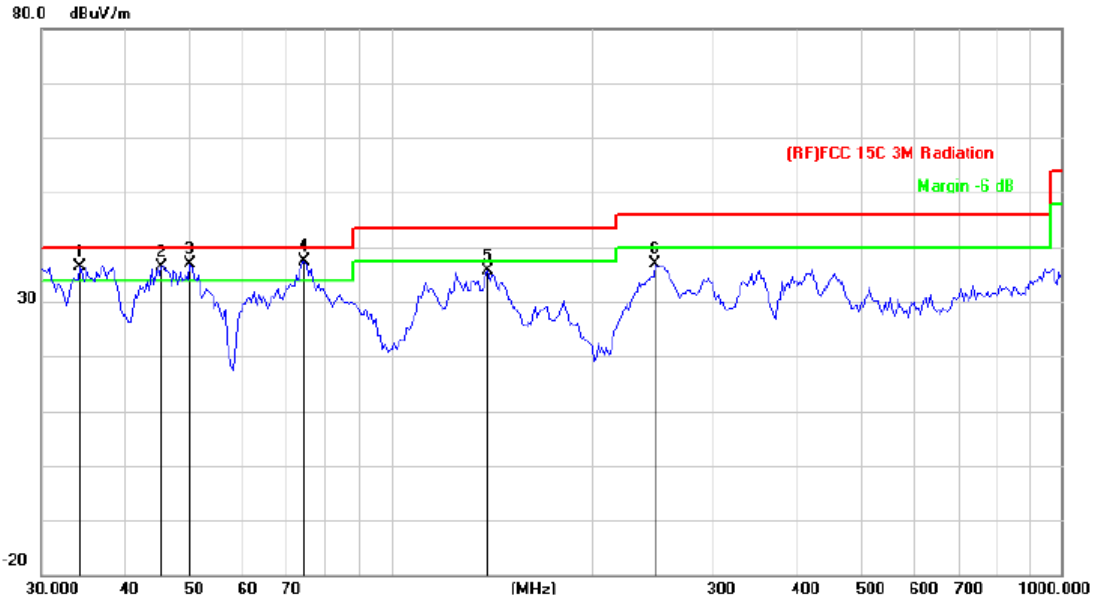


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	!	30.8535	45.46	-9.11	36.35	40.00	-3.65	peak
2		44.7433	46.86	-16.71	30.15	40.00	-9.85	peak
3	!	74.1350	52.02	-16.24	35.78	40.00	-4.22	peak
4		112.1303	45.70	-15.43	30.27	43.50	-13.23	peak
5		179.3863	44.59	-13.44	31.15	43.50	-12.35	peak
6	*	321.0605	50.87	-8.14	42.73	46.00	-3.27	peak

*:Maximum data x:Over limit !:over margin

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120/60Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 1		
Remark:	Only worse case is reported		



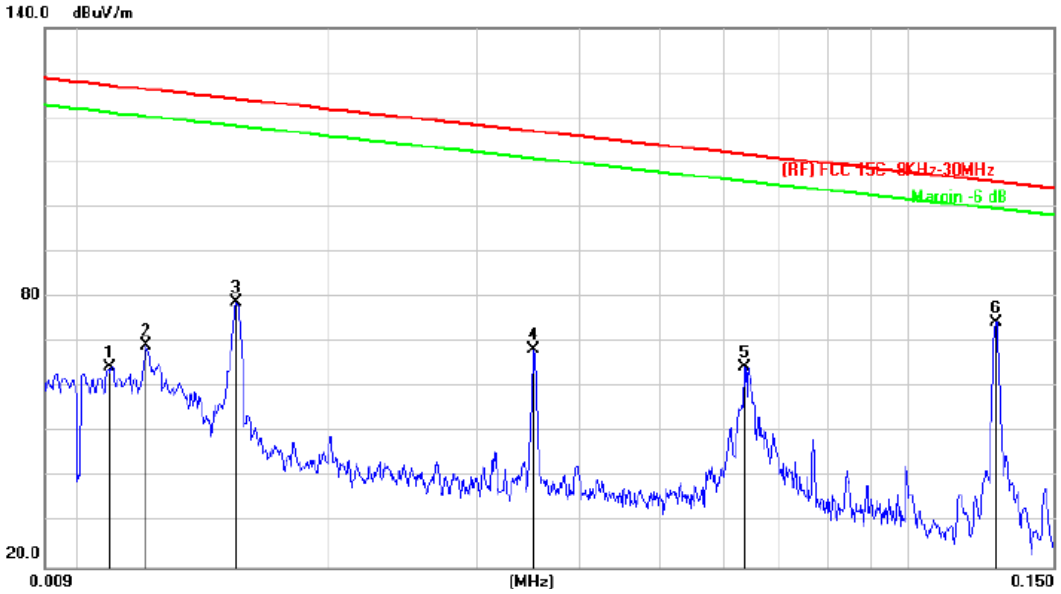
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	!	34.2760	48.25	-11.94	36.31	40.00	-3.69	peak
2	!	45.3755	53.03	-16.71	36.32	40.00	-3.68	peak
3	!	50.0566	53.52	-16.75	36.77	40.00	-3.23	peak
4	*	74.1350	53.61	-16.24	37.37	40.00	-2.63	peak
5		139.3611	50.39	-14.69	35.70	43.50	-7.80	peak
6		247.6819	48.04	-11.25	36.79	46.00	-9.21	peak

*:Maximum data x:Over limit !:over margin

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

9KMz-30MHz

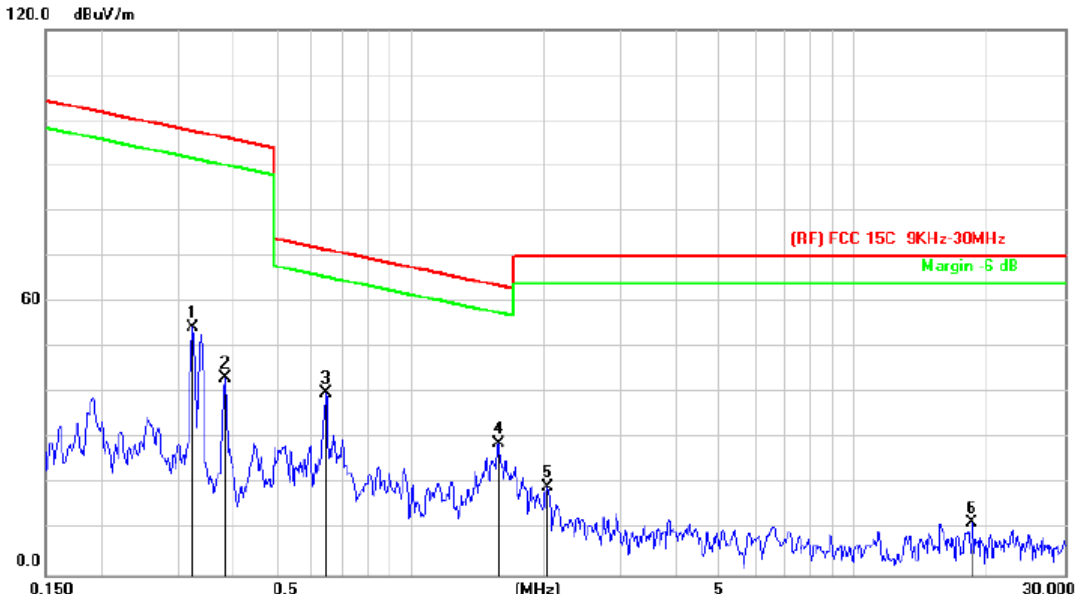
Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120/60Hz		
Ant. Pol.	Ant. 0°		
Test Mode:	Mode 1		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		0.0108	76.24	-11.70	64.54	127.22	-62.68	peak
2		0.0120	80.98	-11.69	69.29	126.30	-57.01	peak
3		0.0154	90.48	-11.67	78.81	124.13	-45.32	peak
4		0.0352	80.11	-11.57	68.54	116.93	-48.39	peak
5		0.0633	75.89	-11.45	64.44	111.82	-47.38	peak
6	*	0.1276	80.91	-6.36	74.55	105.72	-31.17	peak

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak/AVG(dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak/AVG (dBμV/m)-Limit QPK/AVG(dBμV/m)

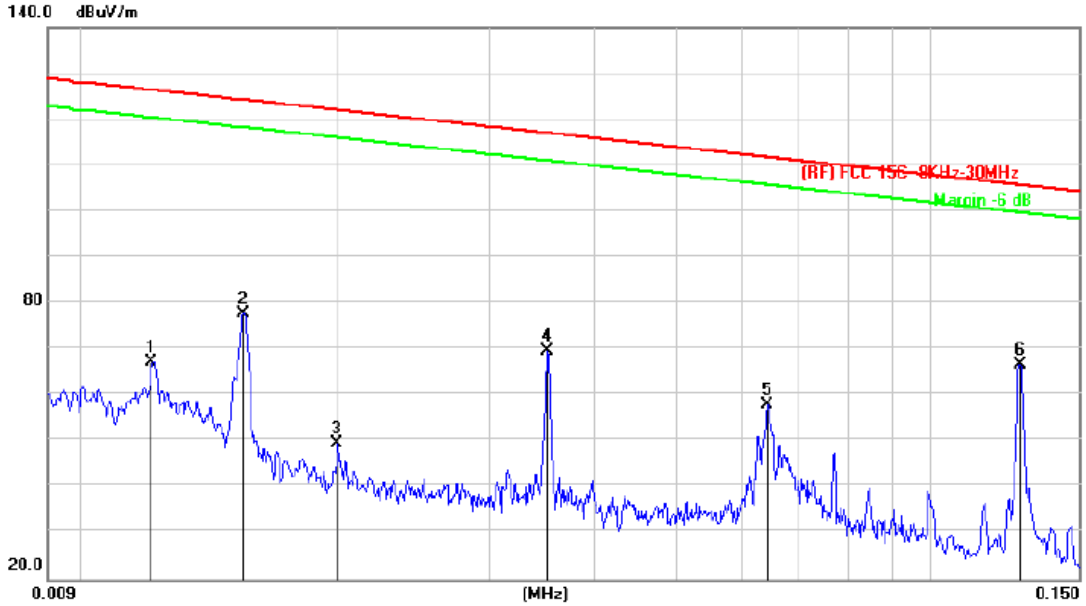
Temperature:	22.6℃	Relative Humidity:	42%
Test Voltage:	AC 120/60Hz		
Ant. Pol.	Ant. 0°		
Test Mode:	Mode 1		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		0.3234	64.79	-10.35	54.44	97.63	-43.19	peak
2		0.3811	54.01	-10.66	43.35	96.19	-52.84	peak
3	*	0.6440	51.39	-11.42	39.97	71.59	-31.62	peak
4		1.5766	40.72	-11.65	29.07	63.69	-34.62	peak
5		2.0441	31.05	-11.67	19.38	70.00	-50.62	peak
6		18.5237	23.79	-12.21	11.58	70.00	-58.42	peak

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak/AVG(dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak/AVG (dBμV/m)-Limit QPK/AVG(dBμV/m)

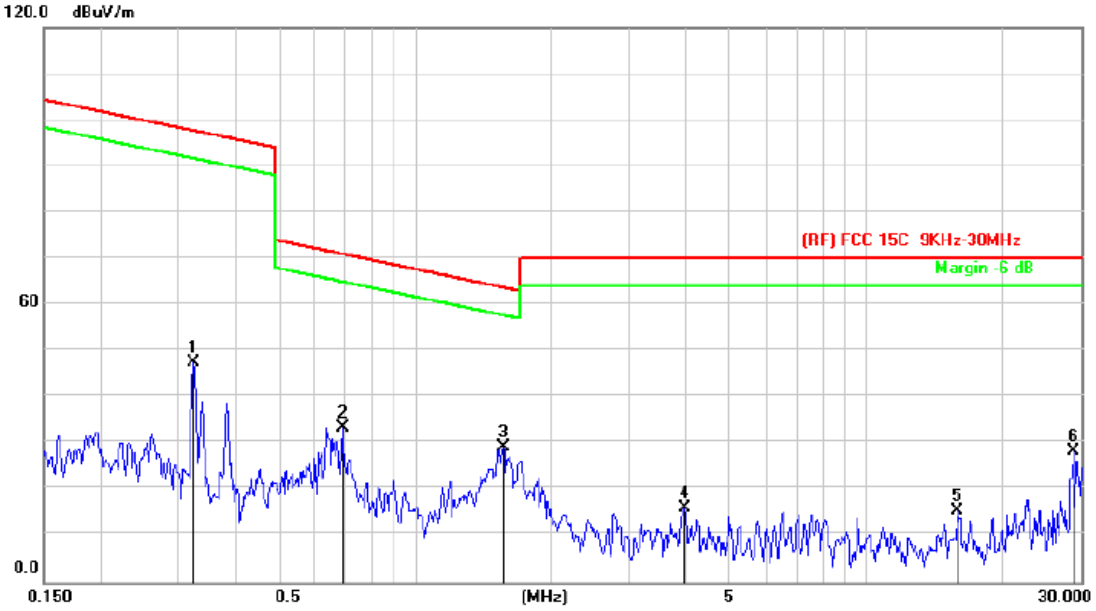
Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120/60Hz		
Ant. Pol.	Ant. 90°		
Test Mode:	Mode 1		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		0.0120	78.99	-11.69	67.30	126.39	-59.09	peak
2		0.0154	89.46	-11.67	77.79	124.21	-46.42	peak
3		0.0198	61.05	-11.63	49.42	122.02	-72.60	peak
4		0.0352	81.30	-11.57	69.73	116.99	-47.26	peak
5		0.0641	69.41	-11.44	57.97	111.76	-53.79	peak
6	*	0.1278	73.13	-6.36	66.77	105.73	-38.96	peak

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak/AVG(dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak/AVG (dBμV/m)-Limit QPK/AVG(dBμV/m)

Temperature:	22.6℃	**Relative Humidity:**	42%
Test Voltage:	AC 120/60Hz		
Ant. Pol.	Ant. 90°		
Test Mode:	Mode 1		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		0.3234	58.04	-10.35	47.69	97.63	-49.94	peak
2		0.6899	45.00	-11.47	33.53	70.98	-37.45	peak
3	*	1.5684	41.00	-11.65	29.35	63.74	-34.39	peak
4		3.9639	27.98	-11.82	16.16	70.00	-53.84	peak
5		15.9698	27.95	-12.43	15.52	70.00	-54.48	peak
6		28.7550	40.48	-12.23	28.25	70.00	-41.75	peak

Remark:
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak/AVG(dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak/AVG (dBμV/m)-Limit QPK/AVG(dBμV/m)

Attachment C-- Bandwidth Measurement Data

Frequency (KHz)	20 dBc Bandwidth (kHz)	99% OBW (kHz)
322.79	2.833	3.134

Frequency (KHz)	20 dBc Bandwidth (kHz)	99% OBW (kHz)
149.100	3.105	2.853

-----END OF REPORT------