

TEST REPORT

Product : Wireless Car Charger
Trade mark : UGREEN
Model/Type reference : W708
Serial Number : N/A
Report Number : EED32R82596401
FCC ID : 2AQI5-35970
Date of Issue : Feb. 27, 2026
Test Standards : 47 CFR Part 15 Subpart C
Test result : PASS

Prepared for:

Ugreen Group Limited
Ugreen Building, Longcheng Industrial Park, Longguanxi Road,
Longhua, ShenZhen, China

Prepared by:

Centre Testing International Group Co., Ltd.
Hongwei Industrial Zone, Bao'an 70 District,
Shenzhen, Guangdong, China
TEL: +86-755-3368 3668
FAX: +86-755-3368 3385

Compiled by: Frazer Li

Reviewed by: Keven Tan.

Approved by: Aaron Ma
Aaron Ma

Date: Feb. 27, 2026



Check No.: 4317311225

1 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203	ANSI C63.10-2020	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10-2020	N/A
Radiated Emissions	47 CFR Part 15 Subpart C Section 15.209	ANSI C63.10-2020	PASS
99% Occupied Bandwidth & 20dB Bandwidth	47 CFR Part 15 Subpart C Section 15.215	ANSI C63.10-2020	PASS

Remark:

N/A: This product is powered by direct current. In this whole report not application.

Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

2 Contents

1 TEST SUMMARY 2

2 CONTENTS 3

3 GENERAL INFORMATION 4

 3.1 CLIENT INFORMATION4

 3.2 GENERAL DESCRIPTION OF EUT 4

 3.3 TEST ENVIRONMENT AND MODE5

 3.4 DESCRIPTION OF SUPPORT UNITS 6

 3.5 TEST LOCATION 6

 3.6 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2) 6

4 EQUIPMENT LIST7

5 TEST RESULTS AND MEASUREMENT DATA8

 5.1 ANTENNA REQUIREMENT8

 5.2 RADIATED EMISSIONS9

 9kHz-150kHz: 11

 150kHz-30MHz: 15

 30MHz-1GHz: 19

 5.3 99% OCCUPIED BANDWIDTH & 20DB BANDWIDTH27

APPENDIX 1 PHOTOGRAPHS OF TEST SETUP29

APPENDIX 2 PHOTOGRAPHS OF EUT31

3 General Information

3.1 Client Information

Applicant:	Ugreen Group Limited
Address of Applicant:	Ugreen Building, Longcheng Industrial Park, Longguanxi Road, Longhua, ShenZhen, China
Manufacturer:	Ugreen Group Limited
Address of Manufacturer:	Ugreen Building, Longcheng Industrial Park, Longguanxi Road, Longhua, ShenZhen, China
Factory:	Shenzhen Aquilstar Technology Co., Ltd.
Address of Factory:	101 of B Building, B&C Building, No.1 Plant, Lingxia Road, Fenghuang Community, Fuyong Street, Bao'an District, Shenzhen City, China

3.2 General Description of EUT

Sample Type:	☐ Mobile ☐ Portable ☒ Fix Location			
Frequency Range:	111-148.5kHz & 360kHz			
Modulation Type:	ASK			
Antenna Type:	Coil antenna			
Power Supply:	Input: DC 5.0V/3.0A; DC 9.0V/2.22A Output: 15W (Max)			
Test Voltage:	DC 9.0V			
Sample Received Date:	Dec. 31, 2025			
Sample tested Date:	Dec. 31, 2025 to Feb. 27, 2026			
Remark:				
- P/N code in the below table, for marketing purpose, will be marked on the marking plate.				
35970	35970P	35970X	35970A	35970B
35970U	35970JP	35970ZD	35970T	KC-35970

3.3 Test Environment and Mode

Operating Environment:	
Radiated Spurious Emissions:	
Temperature:	22~25.0 °C
Humidity:	50~55 % RH
Atmospheric Pressure:	1010mbar
Conducted Emissions:	
Temperature:	22~25.0 °C
Humidity:	50~55 % RH
Atmospheric Pressure:	1010mbar
Test mode: Transmitting mode	
Mode a:	Wireless charging mode(Unloaded)(Connect to adapter)
Mode b:	Wireless charging mode(Loaded 5W)(Connect to adapter)
Mode c:	Wireless charging mode(Loaded 7.5W)(Connect to adapter)
Mode d:	Wireless charging mode(Loaded 15W)(Connect to adapter)
Note: 1.Wireless output:5W,7.5W,15W(maximum wireless output 15W during charging)	

3.4 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Intelligent wireless charging full function test kit	YBZ	/	FCC SDOC	Client

3.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

3.6 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	3.3dB (9kHz-30MHz)
		4.3dB (30MHz-1GHz)
		4.5dB (1GHz-12.75GHz)
4	Conduction emission	3.5dB (9kHz-150kHz)
		3.1dB (150kHz-30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

4 Equipment List

3M Semi-anechoic Chamber (2)- Radiated disturbance Test					
Equipment	Manufacturer	Model	Serial No.	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
3M Chamber & Accessory Equipment	TDK	SAC-3	---	01-13-2024	01-12-2027
Receiver	R&S	ESCI7	100938-003	09-03-2025	09-02-2026
Spectrum Analyzer	R&S	FSV40	101200	08-11-2025	08-10-2026
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05-14-2025	05-13-2026
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04-07-2025	04-06-2026
Microwave Preamplifier	Tonscend	EMC051845SE	980380	11-25-2025	11-24-2026
Horn Antenna	A.H.SYSTEMS	SAS-574	374	05-23-2025	05-22-2026
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04-07-2025	04-06-2026
Preamplifier	Agilent	11909A	12-1	03-03-2025	03-02-2026
Preamplifier	CD	PAP-1840-60	6041.6042	05-26-2025	05-25-2026
Test software	Fara	EZ-EMC	EMEC-3A1-Pre	01-13-2024	01-12-2027
Cable line	Fulai(7M)	SF106	5219/6A	01-13-2024	01-12-2027
Cable line	Fulai(6M)	SF106	5220/6A	01-13-2024	01-12-2027
Cable line	Fulai(3M)	SF106	5216/6A	01-13-2024	01-12-2027
Cable line	Fulai(3M)	SF106	5217/6A	01-13-2024	01-12-2027

5 Test results and Measurement Data

5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203
15.203 requirement:	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.
EUT Antenna:	Please see Internal photos
The antenna is attached on the main PCB and no consideration of replacement.	

5.2 Radiated Emissions

Test Requirement: 47 CFR Part 15C Section 15.231(b) and 15.209

Test Method: ANSI C63.10-2020

Test Site: Measurement Distance: 3m (Semi-Anechoic Chamber)

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak

Test Setup:

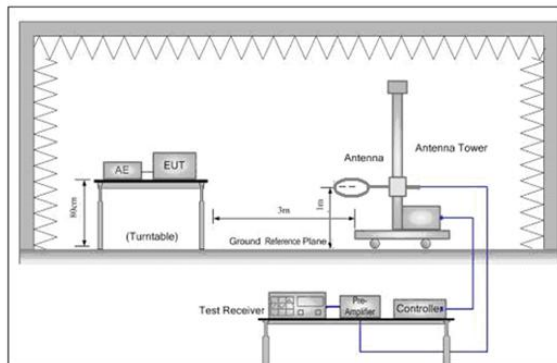


Figure . Below 30MHz

Test Procedure:

Below 1GHz test procedure as below:

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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 rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Limit:
(Spurious
Emissions)

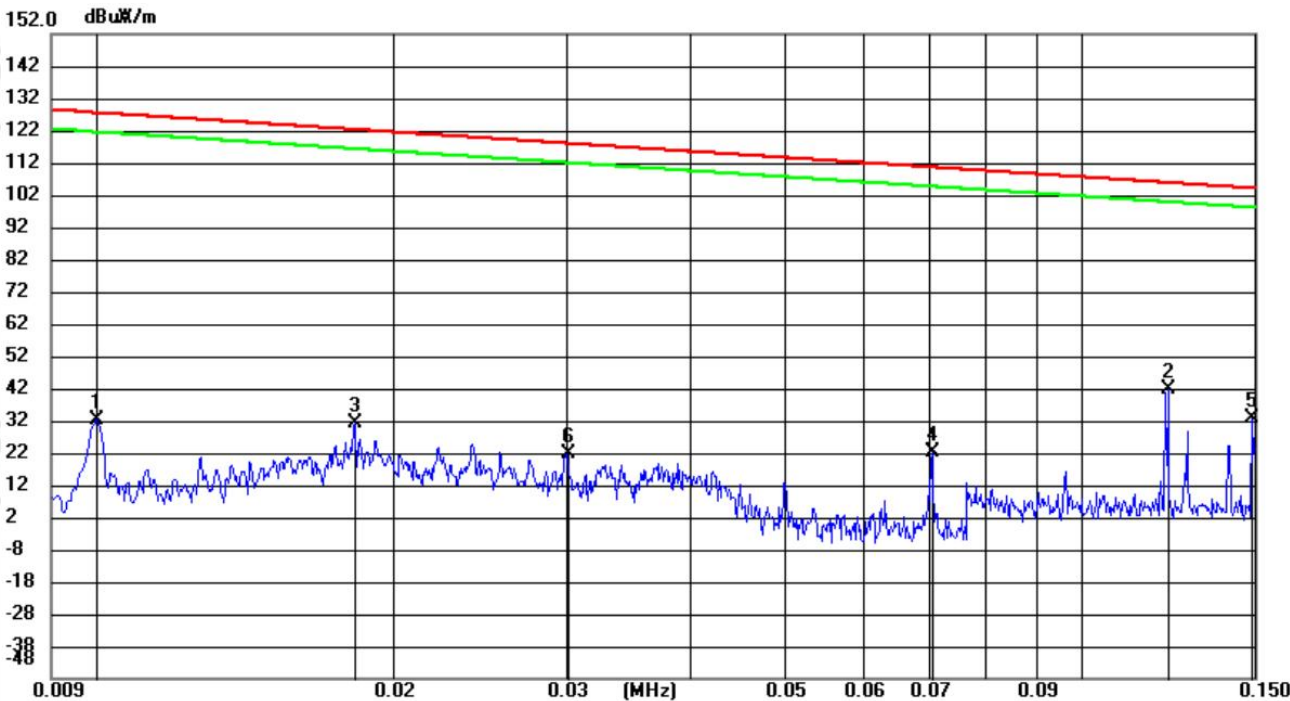
Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

Test Mode: Refer to section 3.3
Test Results: Pass

9kHz-150kHz:

Measurement Data (Mode a):

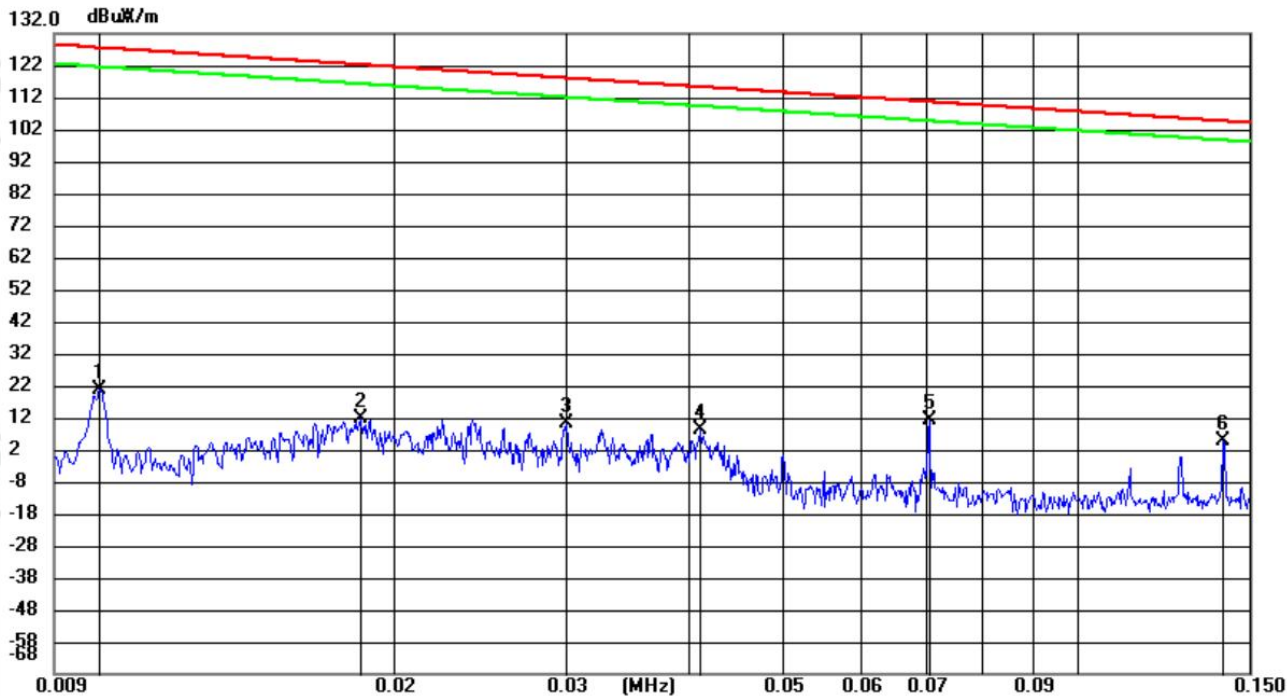


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.0100	11.79	20.43	32.22	127.49	-95.27	peak		
2	*	0.1225	21.51	20.49	42.00	105.80	-63.80	peak		
3		0.0183	10.60	20.48	31.08	122.26	-91.18	peak		
4		0.0706	1.47	20.59	22.06	110.57	-88.51	peak		
5		0.1491	12.43	20.17	32.60	104.10	-71.50	peak		
6		0.0301	1.34	20.55	21.89	117.95	-96.06	peak		

Remark:

- 1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.
- 2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading - Correct Factor
Correct Factor = Preamplifier Factor- Antenna Factor-Cable Factor

Measurement Data (Mode b):



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.0100	0.35	20.43	20.78	127.49	-106.71	peak		
2		0.0185	-8.85	20.48	11.63	122.17	-110.54	peak		
3		0.0300	-10.44	20.55	10.11	117.98	-107.87	peak		
4		0.0412	-12.50	20.63	8.13	115.23	-107.10	peak		
5	*	0.0706	-9.52	20.59	11.07	110.57	-99.50	peak		
6		0.1409	-15.55	20.28	4.73	104.59	-99.86	peak		

Remark:

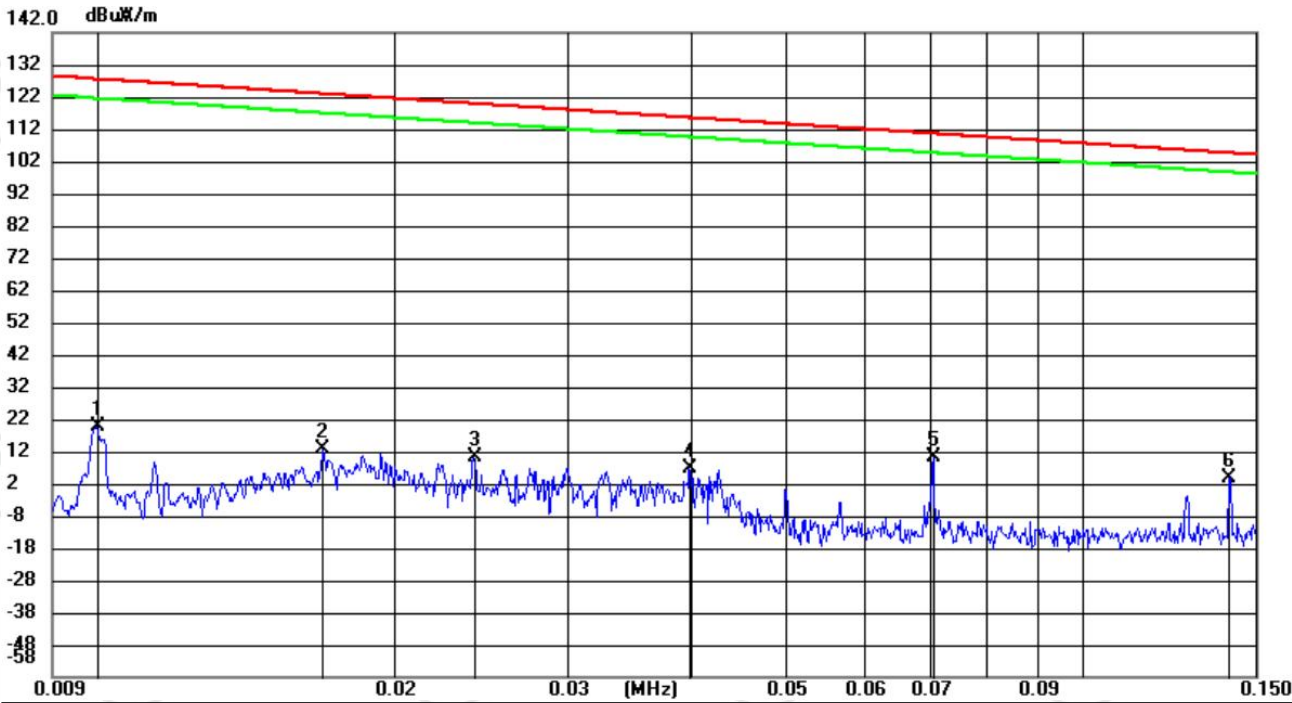
1.According to ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode c):



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.0100	-0.66	20.43	19.77	127.49	-107.72	peak		
2		0.0169	-7.57	20.47	12.90	122.95	-110.05	peak		
3		0.0241	-10.08	20.51	10.43	119.88	-109.45	peak		
4		0.0399	-13.89	20.61	6.72	115.51	-108.79	peak		
5	*	0.0706	-10.36	20.59	10.23	110.57	-100.34	peak		
6		0.1409	-16.43	20.28	3.85	104.59	-100.74	peak		

Remark:

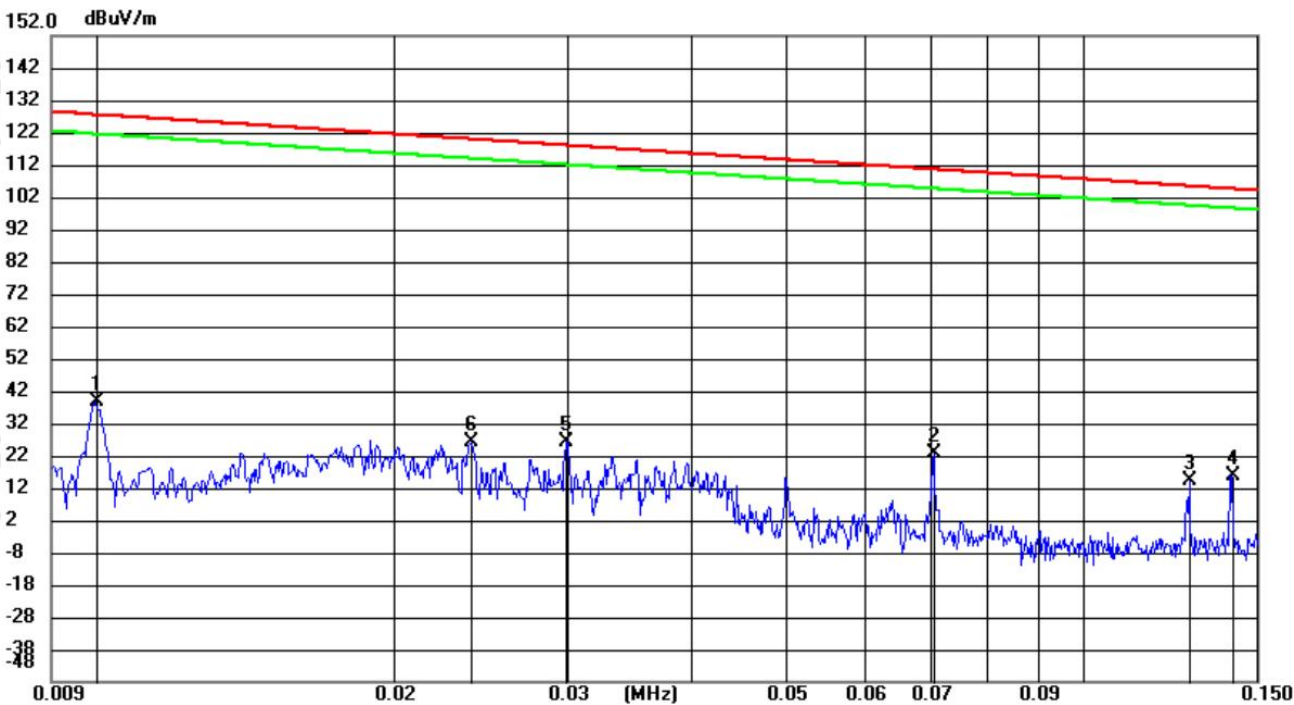
1. According ANSI C63.10-2020, We tested the parallel, perpendicular, and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

Measurement Data (Mode d):

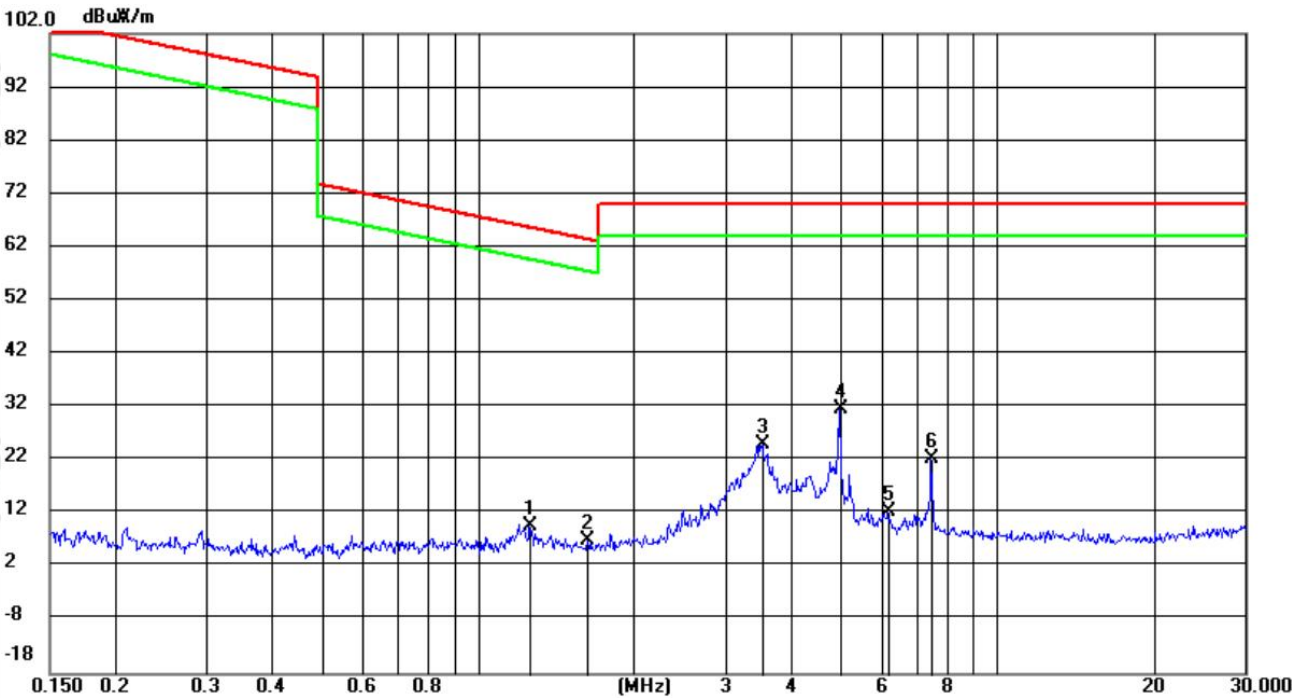


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree degree	Comment
1		0.0100	18.23	20.43	38.66	127.49	-88.83	peak		
2	*	0.0706	2.15	20.59	22.74	110.57	-87.83	peak		
3		0.1281	-6.42	20.44	14.02	105.41	-91.39	peak		
4		0.1414	-4.40	20.27	15.87	104.56	-88.69	peak		
5		0.0299	5.85	20.55	26.40	118.01	-91.61	peak		
6		0.0240	5.53	20.51	26.04	119.91	-93.87	peak		

Remark:

- 1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.
- 2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equati on with a sample calculation is as follows:
- Final Test Level =Receiver Reading - Correct Factor
- Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode a):



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		1.2555	-9.93	19.77	9.84	65.65	-55.81	peak		
2		1.6276	-12.70	19.74	7.04	63.40	-56.36	peak		
3		3.5278	5.33	19.64	24.97	70.00	-45.03	peak		
4	*	4.9782	11.99	19.62	31.61	70.00	-38.39	peak		
5		6.1534	-7.27	19.69	12.42	70.00	-57.58	peak		
6		7.4465	2.59	19.72	22.31	70.00	-47.69	peak		

Remark:

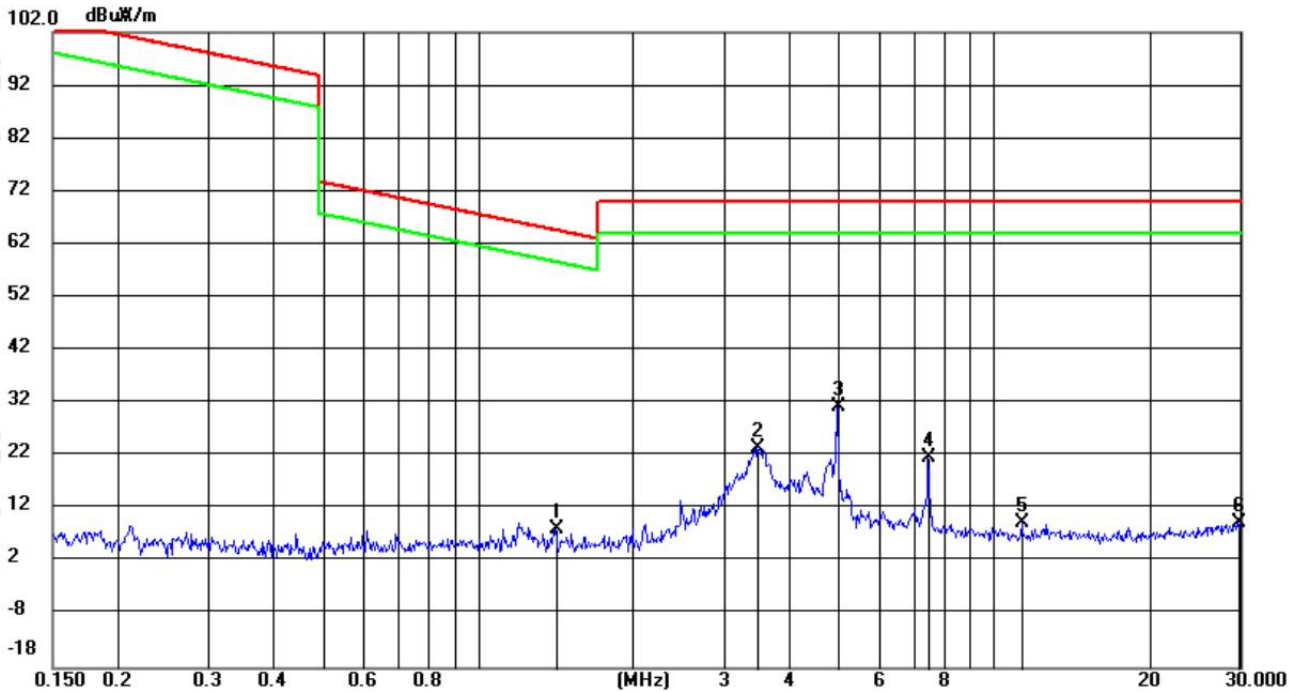
1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor- Antenna Factor-Cable Factor

Measurement Data (Mode b):

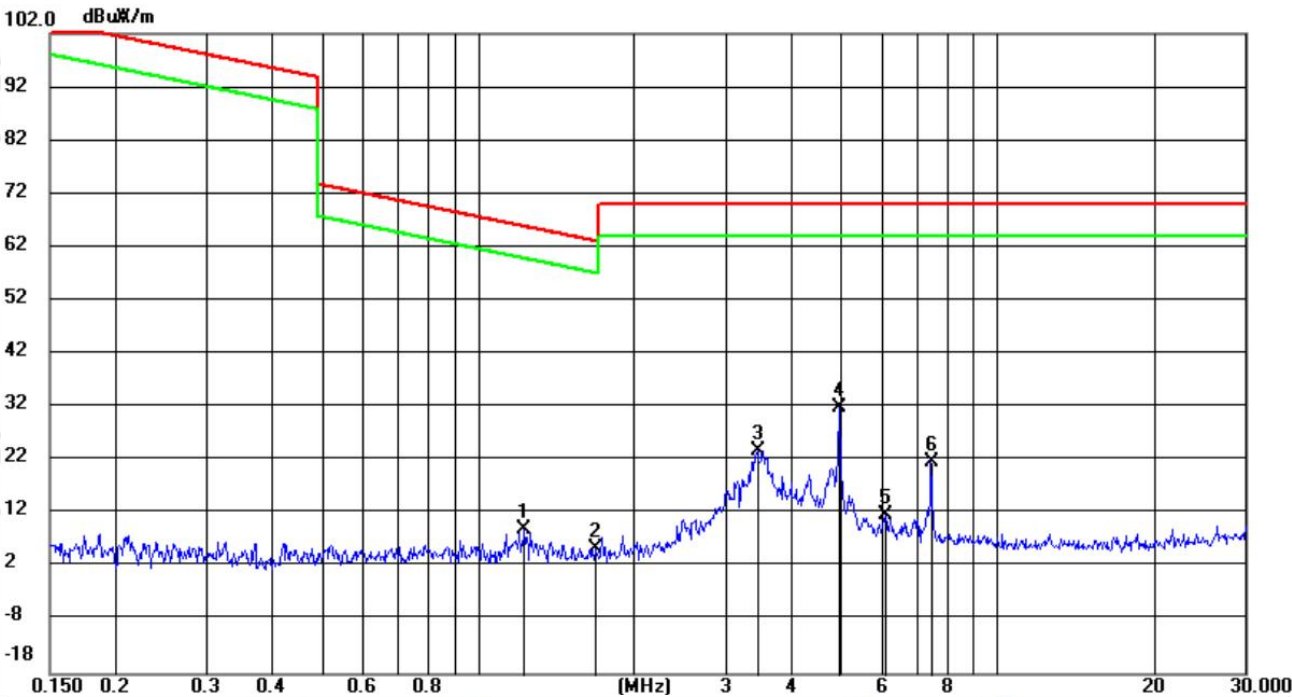


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		1.4107	-11.63	19.75	8.12	64.64	-56.52	peak		
2		3.4722	3.95	19.64	23.59	70.00	-46.41	peak		
3	*	4.9782	11.61	19.62	31.23	70.00	-38.77	peak		
4		7.4465	1.95	19.72	21.67	70.00	-48.33	peak		
5		11.3170	-10.09	19.61	9.52	70.00	-60.48	peak		
6		29.6838	-10.55	20.13	9.58	70.00	-60.42	peak		

Remark:

- 1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.
- 2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading - Correct Factor
Correct Factor = Preamplifier Factor- Antenna Factor-Cable Factor

Measurement Data (Mode c):



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		1.2291	-10.53	19.77	9.24	65.83	-56.59	peak		
2		1.6802	-14.05	19.74	5.69	63.13	-57.44	peak		
3		3.4538	4.33	19.64	23.97	70.00	-46.03	peak		
4	*	4.9519	12.25	19.62	31.87	70.00	-38.13	peak		
5		6.0885	-7.94	19.68	11.74	70.00	-58.26	peak		
6		7.4465	2.18	19.72	21.90	70.00	-48.10	peak		

Remark:

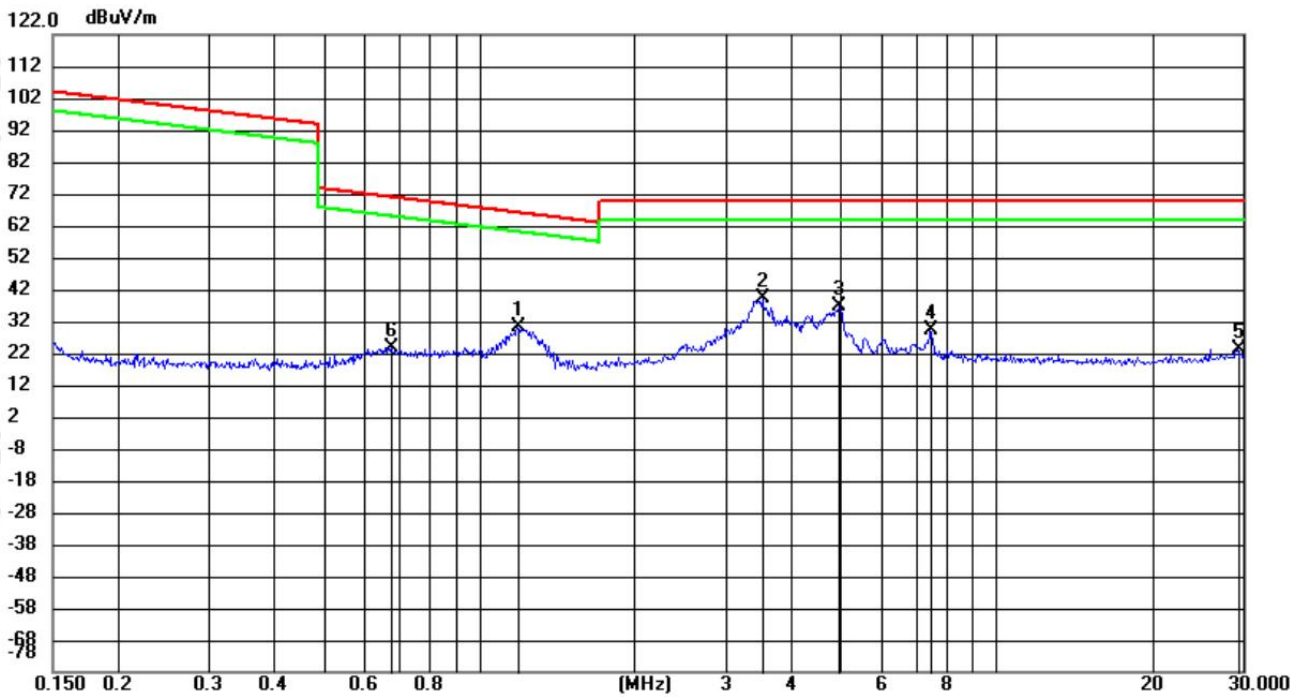
1. According ANSI C63.10-2020, We tested the parallel, perpendicular, and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

Measurement Data (Mode d):



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		1.1860	10.18	20.30	30.48	66.14	-35.66	peak		
2	*	3.5400	18.91	20.33	39.24	70.00	-30.76	peak		
3		4.9756	16.31	20.40	36.71	70.00	-33.29	peak		
4		7.4761	8.64	20.50	29.14	70.00	-40.86	peak		
5		29.2312	2.63	20.58	23.21	70.00	-46.79	peak		
6		0.6778	3.16	20.43	23.59	70.99	-47.40	peak		

Remark:

1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

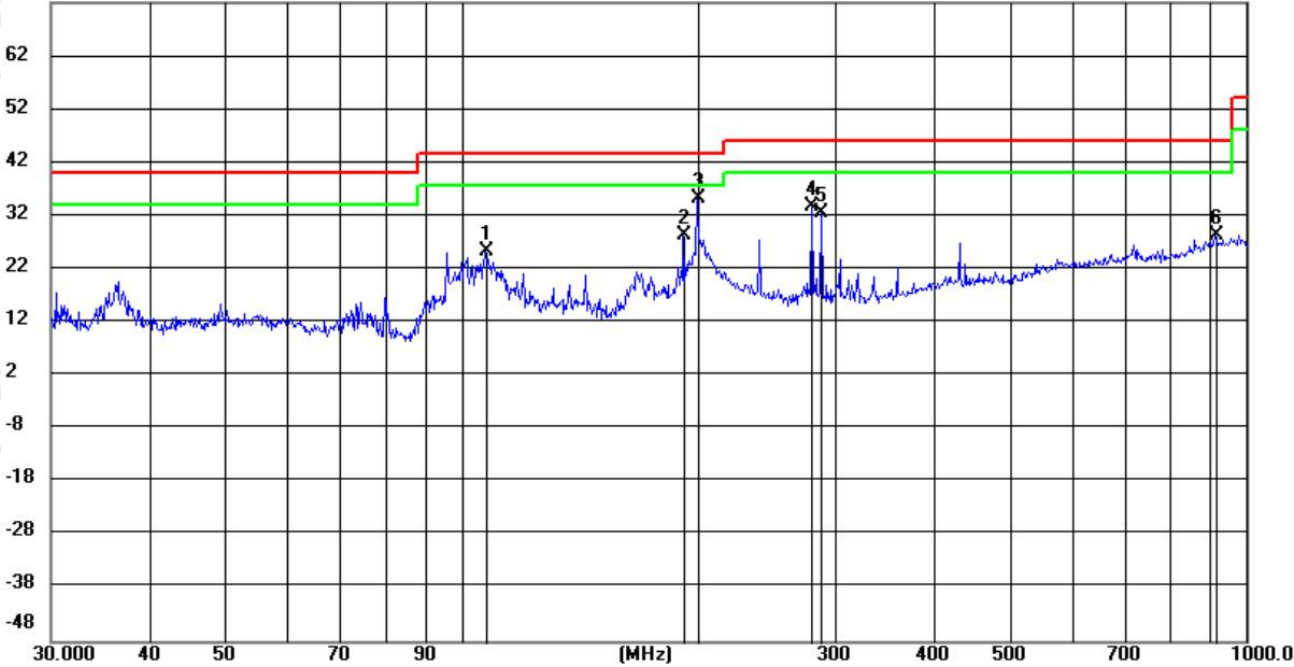
Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

30MHz-1GHz:

Measurement Data (Mode a):

Polarization: Horizontal

72.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		107.3970	11.49	13.94	25.43	43.50	-18.07	QP	199	191
2		192.0141	15.86	12.57	28.43	43.50	-15.07	QP	199	302
3	*	200.0205	22.63	12.60	35.23	43.50	-8.27	QP	199	311
4		280.0237	18.28	15.50	33.78	46.00	-12.22	QP	100	81
5		287.9904	16.87	15.82	32.69	46.00	-13.31	QP	100	106
6		913.1822	1.21	27.08	28.29	46.00	-17.71	QP	100	249

Remark:

1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

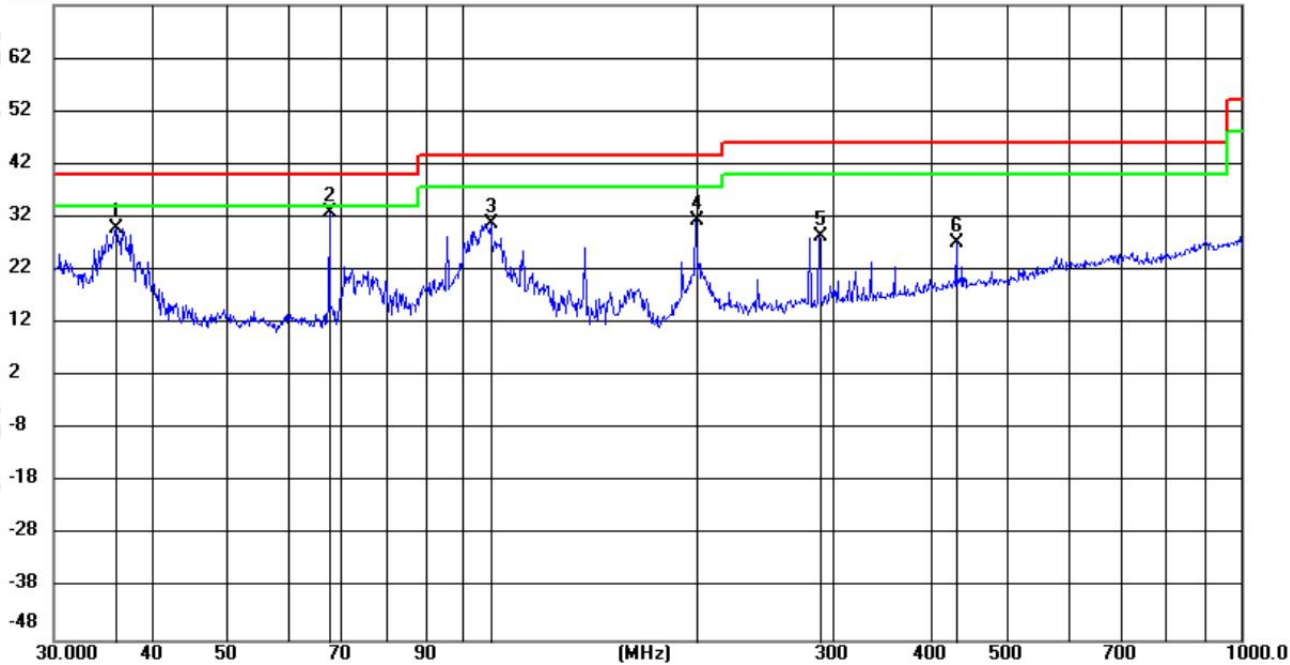
Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor- Antenna Factor-Cable Factor

Measurement Data (Mode a):

Polarization: Vertical

72.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		36.1208	17.04	12.91	29.95	40.00	-10.05	QP	100	354
2	*	67.8295	21.33	11.56	32.89	40.00	-7.11	QP	100	354
3		109.1434	16.73	14.06	30.79	43.50	-12.71	QP	100	94
4		200.0205	18.86	12.60	31.46	43.50	-12.04	QP	100	354
5		288.0409	12.53	15.83	28.36	46.00	-17.64	QP	100	0
6		432.0151	7.52	19.75	27.27	46.00	-18.73	QP	200	81

Remark:

1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

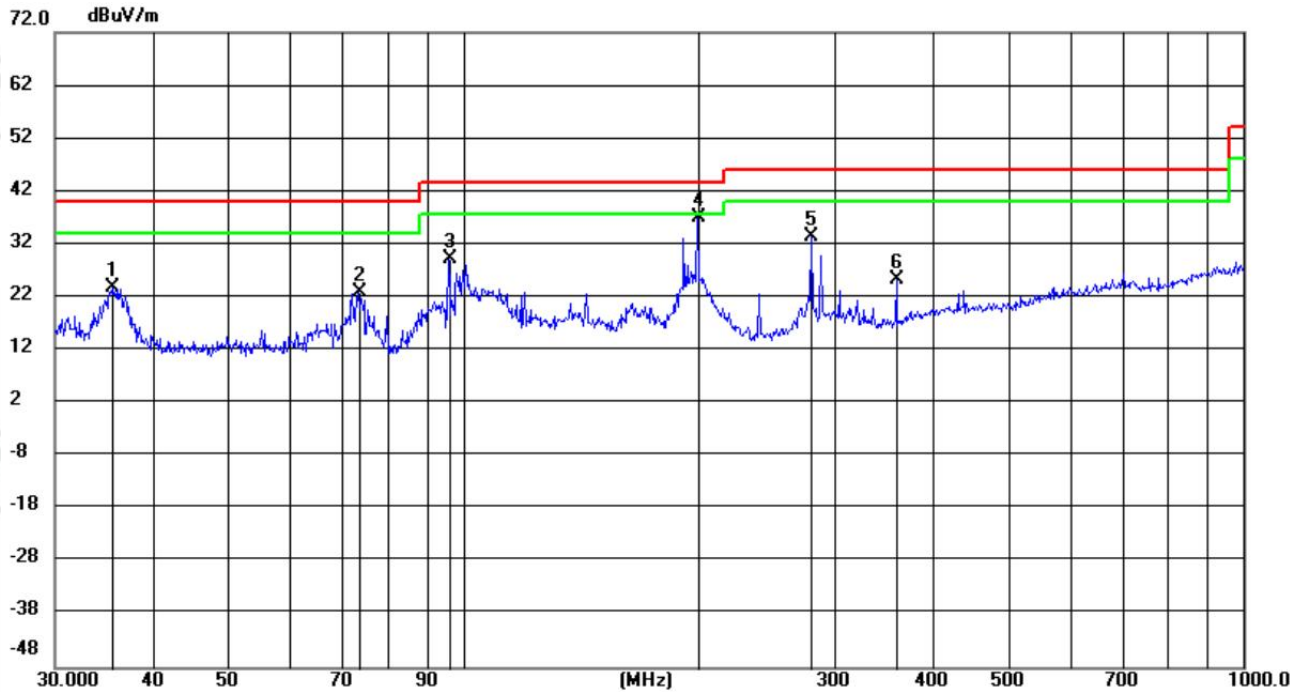
2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode b):

Polarization: Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		35.6177	10.93	12.88	23.81	40.00	-16.19	QP	200	353
2		73.4107	12.38	10.60	22.98	40.00	-17.02	QP	200	146
3		96.0143	16.53	12.73	29.26	43.50	-14.24	QP	200	180
4	*	200.0205	24.31	12.60	36.91	43.50	-6.59	QP	100	314
5		280.0237	17.90	15.50	33.40	46.00	-12.60	QP	100	108
6		360.0056	7.16	18.24	25.40	46.00	-20.60	QP	100	160

Remark:

1. According ANSI C63.10-2020, We tested the parallel, perpendicular, and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

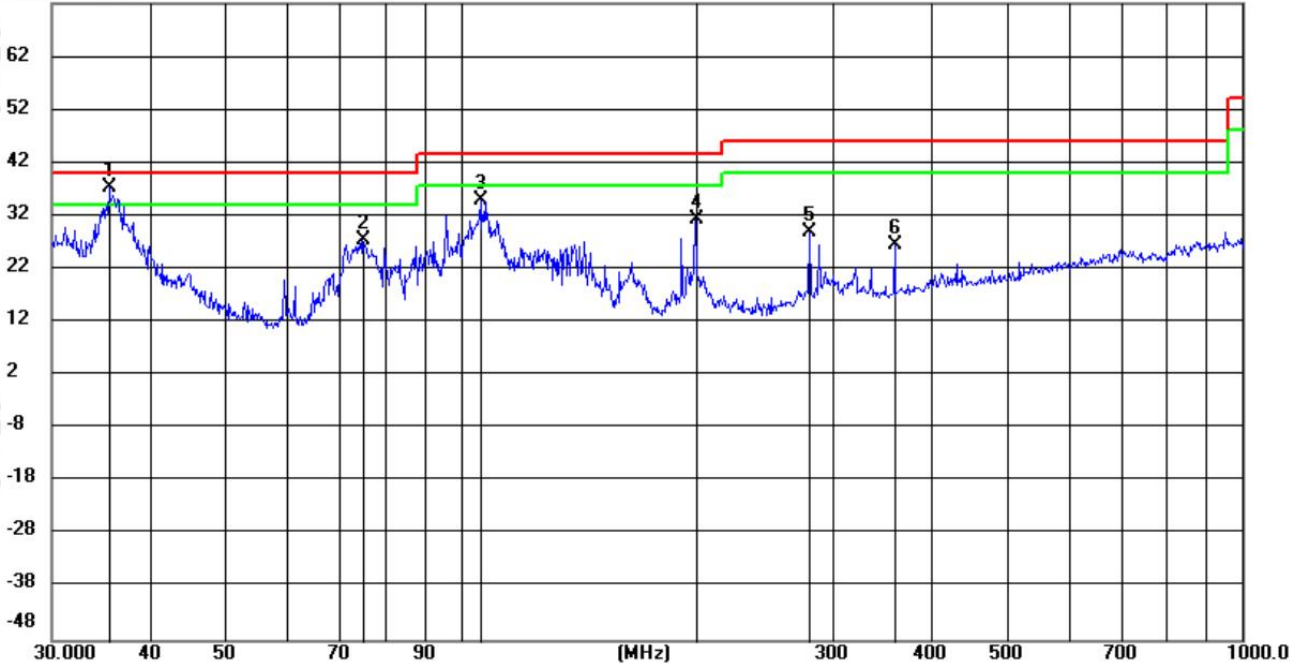
Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

Measurement Data (Mode b):

Polarization: Vertical

72.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	35.5865	24.44	12.88	37.32	40.00	-2.68	QP	100	146
2		75.1164	17.10	10.37	27.47	40.00	-12.53	QP	200	74
3		106.3664	21.01	13.87	34.88	43.50	-8.62	QP	100	353
4		200.0205	18.65	12.60	31.25	43.50	-12.25	QP	100	353
5		280.0237	13.55	15.50	29.05	46.00	-16.95	QP	100	223
6		360.0056	8.41	18.24	26.65	46.00	-19.35	QP	200	219

Remark:

1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

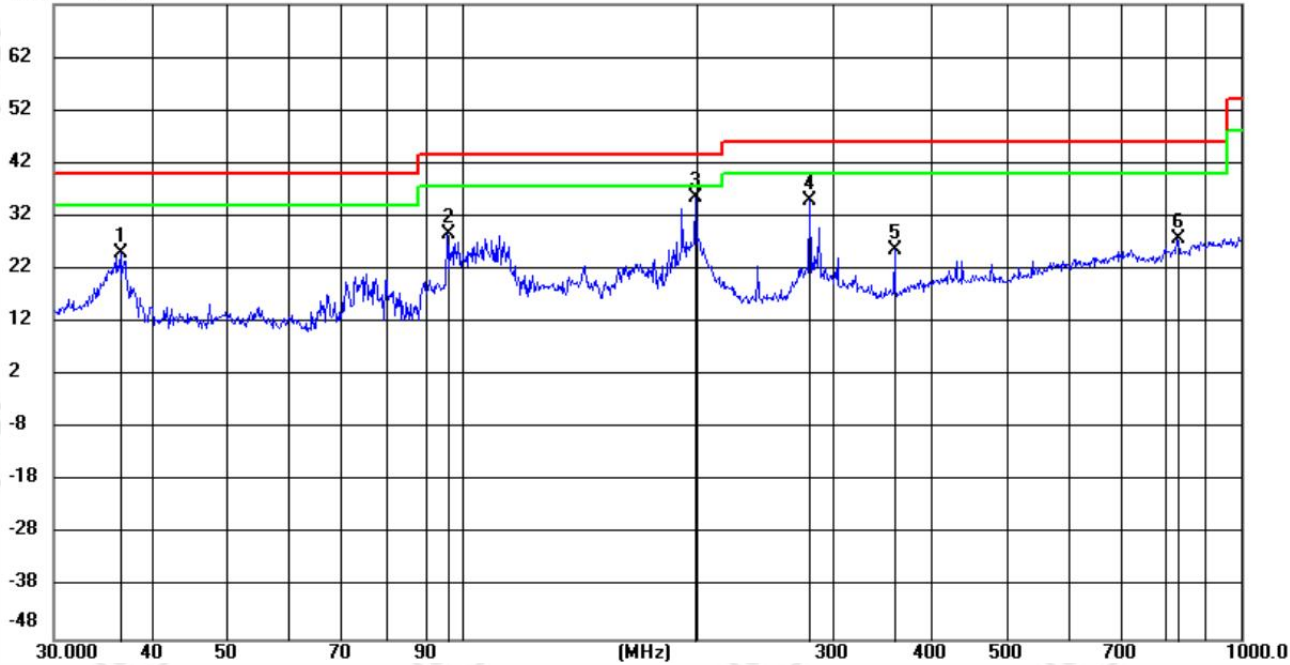
Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor- Antenna Factor-Cable Factor

Measurement Data (Mode c):

Polarization: Horizontal

72.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		36.5925	11.97	12.94	24.91	40.00	-15.09	QP	200	17
2		95.9807	15.98	12.73	28.71	43.50	-14.79	QP	200	17
3	*	199.9855	23.06	12.60	35.66	43.50	-7.84	QP	200	337
4		280.0237	19.37	15.50	34.87	46.00	-11.13	QP	100	91
5		360.0056	7.51	18.24	25.75	46.00	-20.25	QP	100	125
6		829.6725	2.32	25.45	27.77	46.00	-18.23	QP	200	121

Remark:

1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

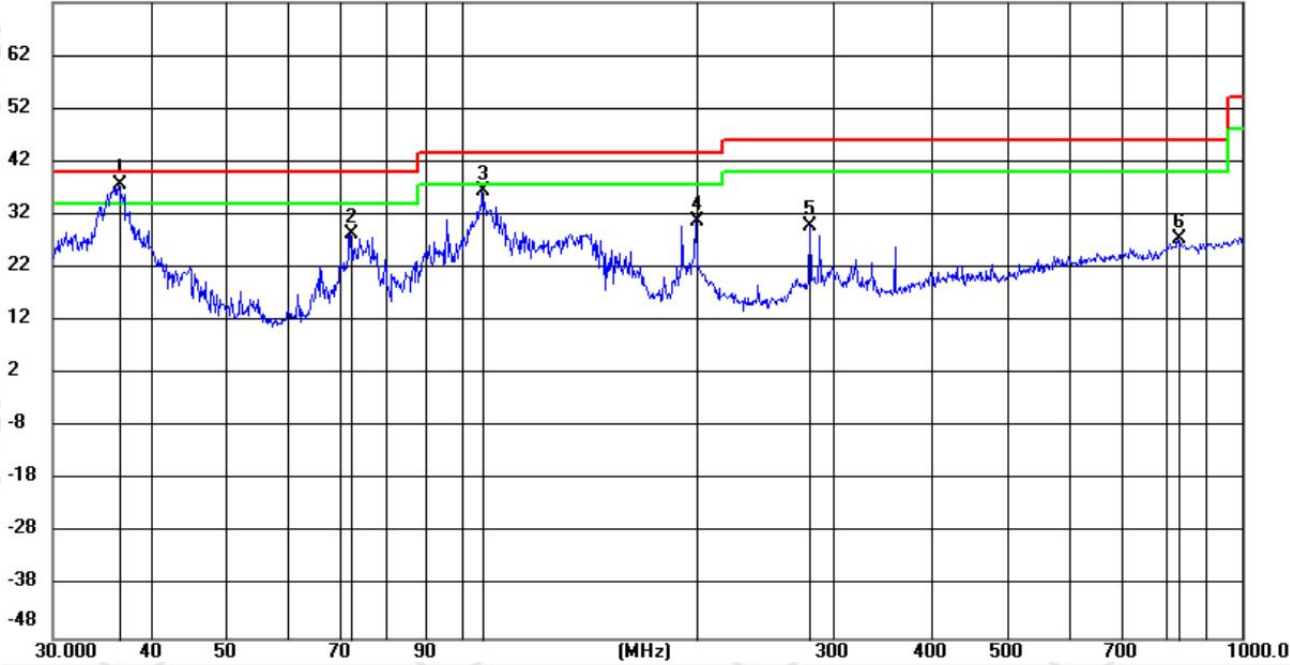
Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode c):

Polarization: Vertical

72.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	36.4964	24.76	12.93	37.69	40.00	-2.31	QP	100	101
2		72.0970	17.53	10.76	28.29	40.00	-11.71	QP	200	40
3		106.5343	22.70	13.88	36.58	43.50	-6.92	QP	100	180
4		200.0205	18.30	12.60	30.90	43.50	-12.60	QP	100	353
5		280.0237	14.36	15.50	29.86	46.00	-16.14	QP	200	213
6		830.2546	1.87	25.47	27.34	46.00	-18.66	QP	200	82

Remark:

1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

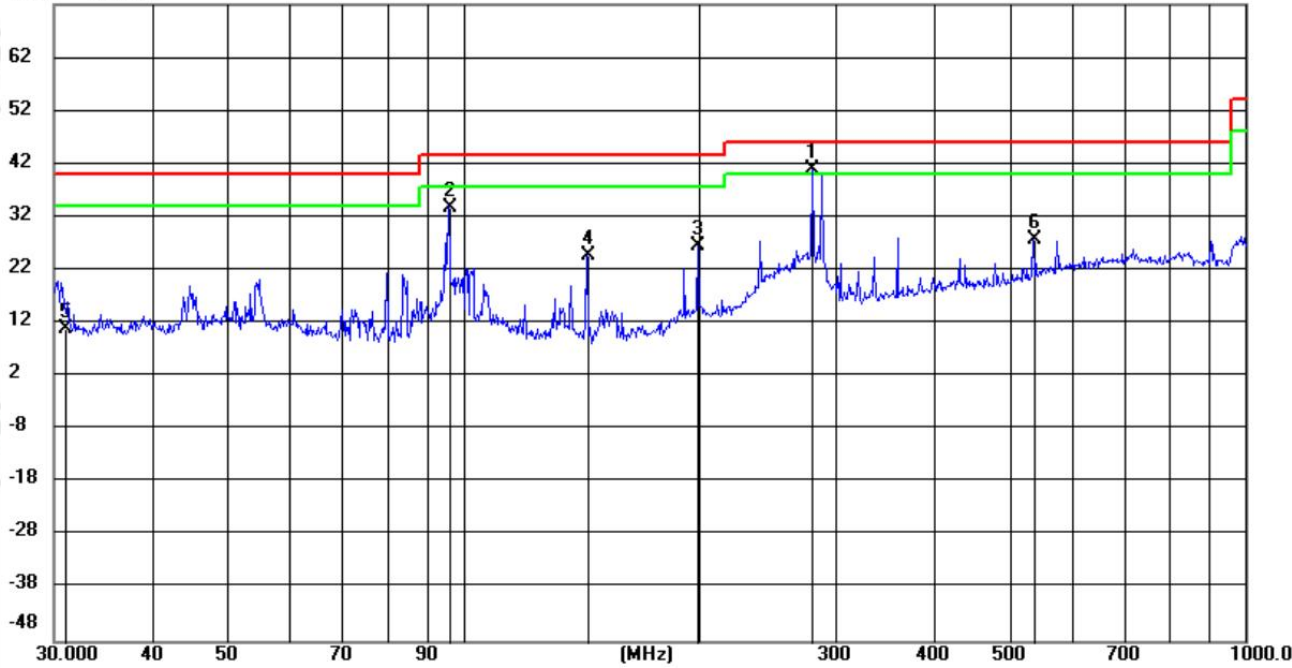
Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode d):

Polarization: Horizontal

72.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	280.0237	25.56	15.50	41.06	46.00	-4.94	peak	100	207
2		95.9975	21.17	12.73	33.90	43.50	-9.60	peak	200	353
3		199.9855	14.07	12.60	26.67	43.50	-16.83	peak	100	290
4		144.0061	14.40	10.33	24.73	43.50	-18.77	peak	200	294
5		31.0569	-1.67	12.54	10.87	40.00	-29.13	QP	371	0
6		537.4948	6.17	21.48	27.65	46.00	-18.35	peak	200	319

Remark:

1.According ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

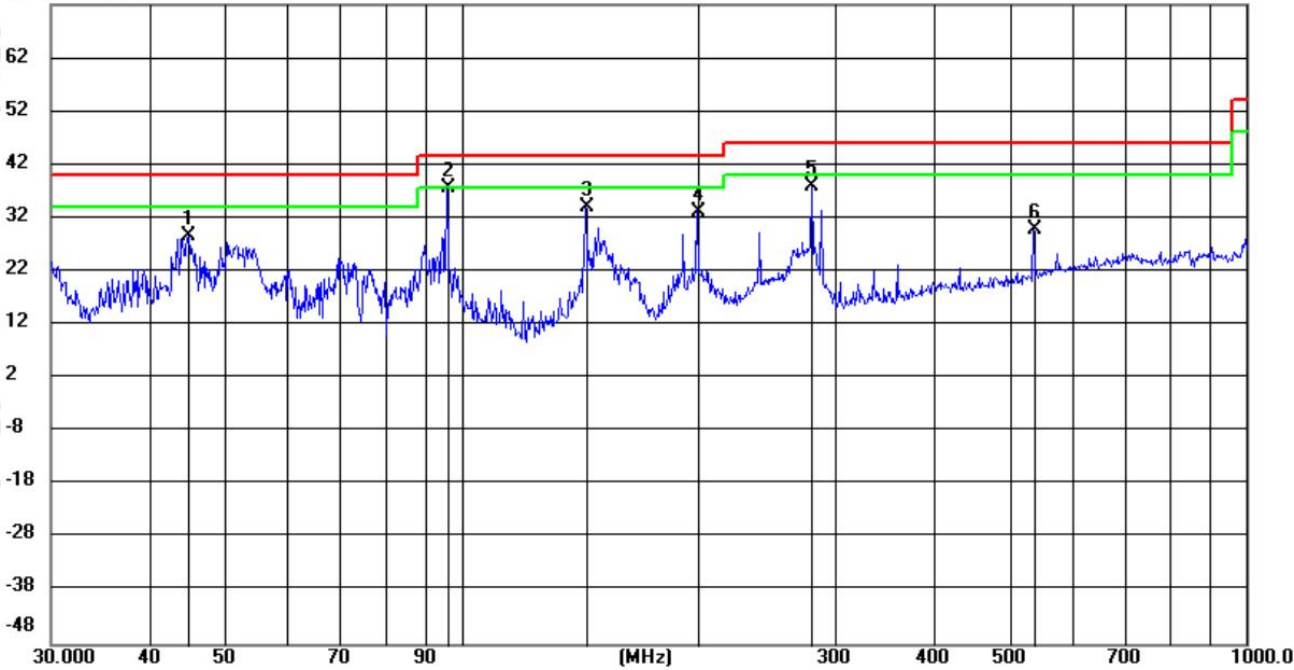
Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode d):

Polarization: Vertical

72.0 dBuV/m



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		44.9006	14.65	13.92	28.57	40.00	-11.43	peak	100	233
2	*	95.9975	24.89	12.73	37.62	43.50	-5.88	peak	100	42
3		143.9808	23.83	10.33	34.16	43.50	-9.34	peak	100	16
4		199.9856	20.54	12.60	33.14	43.50	-10.36	peak	100	354
5		280.0237	22.56	15.50	38.06	46.00	-7.94	peak	200	285
6		537.4949	8.31	21.48	29.79	46.00	-16.21	peak	200	5

Remark:

1.According to ANSI C63.10-2020, We tested the parallel,perpendicular,and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.

2.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

5.3 99% Occupied Bandwidth & 20dB Bandwidth

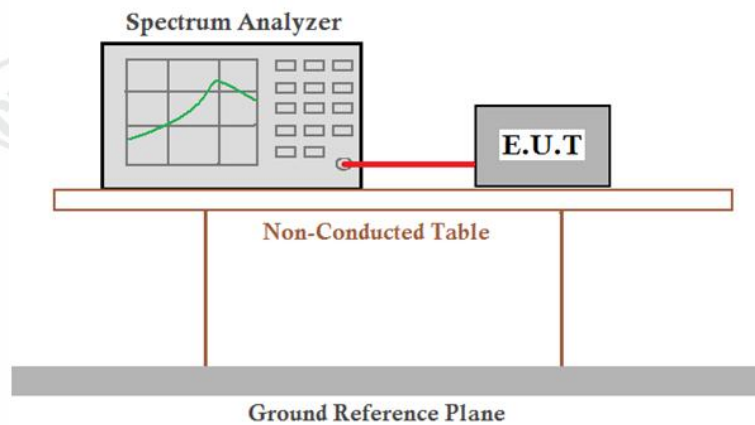
Test Requirement: 47 CFR Part 15C Section 15.215

Test Method: ANSI C63.10-2020

Limit:

The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

Test Setup:



Test Mode: Mode a to Mode d, and only the worst test case mode e was recorded in the report.

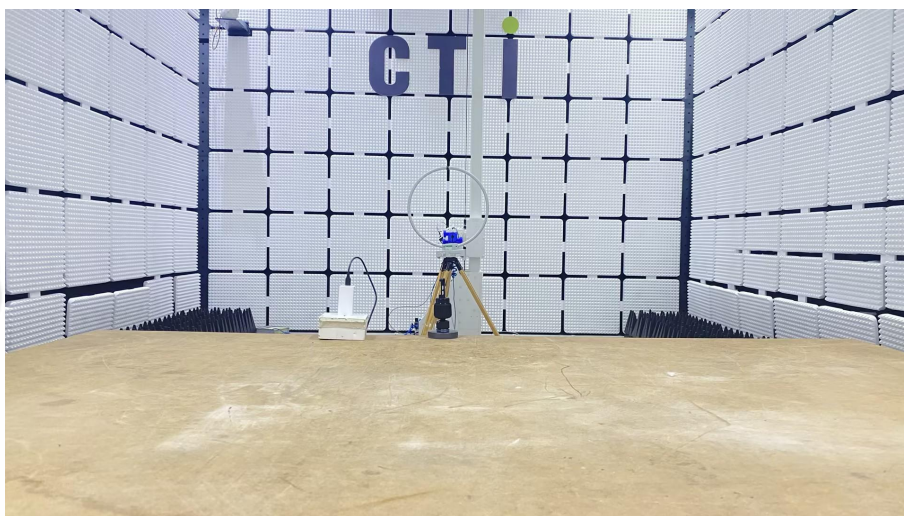
Test Results: Pass

Measurement Data:

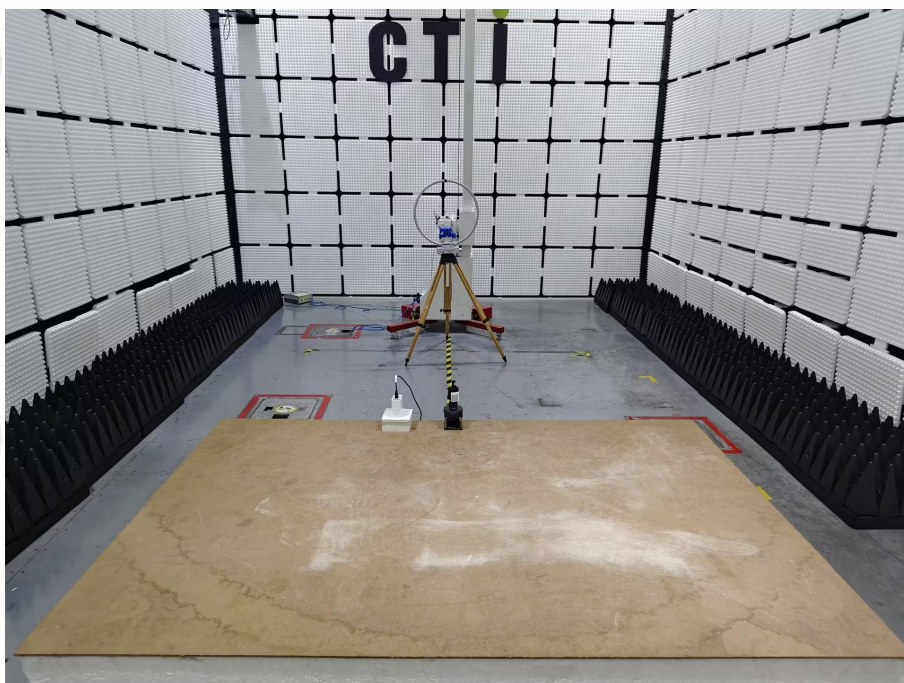
Center Frequency (kHz)	99% Occupied Bandwidth (kHz)	Frequency of Marker 2 (kHz)	Frequency of Marker 3 (kHz)	20 dB Bandwidth (kHz)	Results
128	2.904	126.592	130.068	3.476	Pass
360	12.48	356.75	369.62	12.87	Pass

Note: 20 dB Bandwidth(kHz)=Frequency of Marker 3(kHz)-Frequency of Marker 2(kHz);

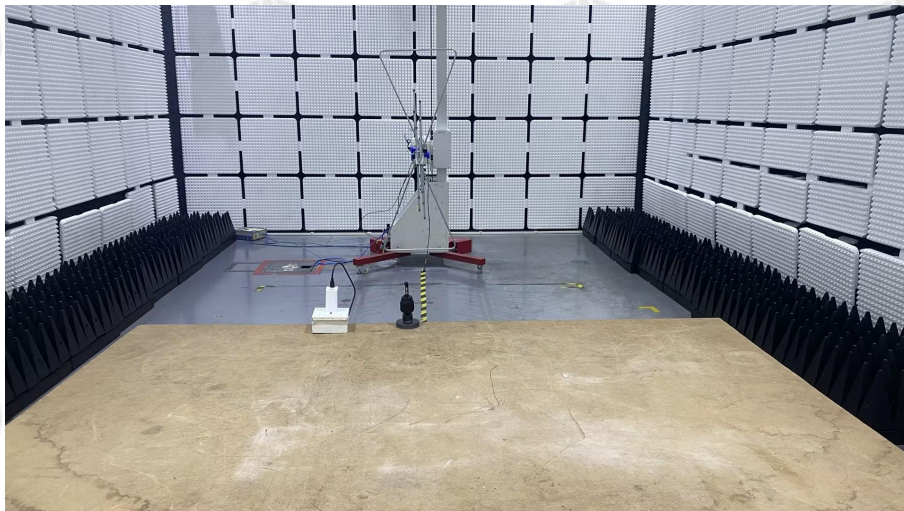
APPENDIX 1 PHOTOGRAPHS OF TEST SETUP



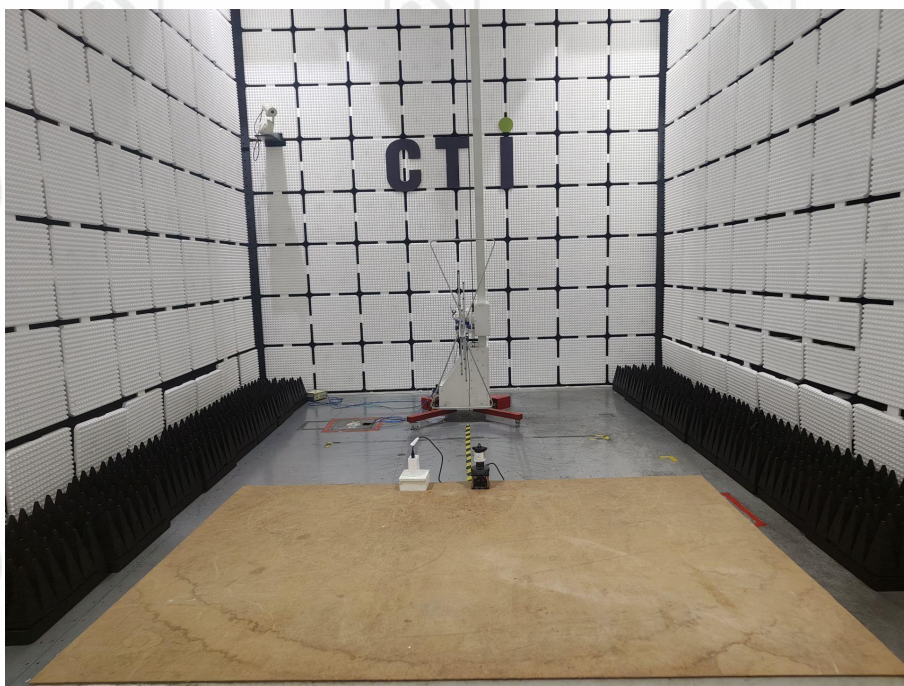
Radiated Emissions Test Setup (9kHz-30MHz) Mode a



Radiated Emissions Test Setup (9kHz-30MHz) Mode b to Mode d



Radiated Emissions Test Setup (30MHz-1GHz)Mode a



Radiated Emissions Test Setup (30MHz-1GHz)Mode b to Mode d

APPENDIX 2 PHOTOGRAPHS OF EUT

Refer to Report No.EED32R82596401 for EUT external and internal photos.

Statement

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;

*** End of Report ***