

TEST REPORT

Product : Wireless charger Kit-K012
Trade mark : N/A
Model/Type reference : K012
Serial Number : N/A
Report Number : EED32Q80173001
FCC ID : 2A6J8-K012
Date of Issue : Mar. 05, 2024
Test Standards : 47 CFR Part 15 Subpart C
Test result : PASS

Prepared for:

Shenzhen Tuozhu Technology Co., Ltd.
Room 201, Building A, No. 1 First Qianwan Road, Qianhai Shengang
Cooperation Zone.

Prepared by:

Centre Testing International Group Co., Ltd.
Hongwei Industrial Zone, Bao'an 70 District,
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Date:

Mar. 05, 2024



Check No.: 6443180224

1 Version

Version No.	Date	Description
00	Mar. 05, 2024	Original

2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203	ANSI C63.10:2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10:2013	PASS
Radiated Emissions	47 CFR Part 15 Subpart C Section 15.209	ANSI C63.10:2013	PASS

Remark:

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.

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4 General Information

4.1 Client Information

Applicant:	Shenzhen Tuozhu Technology Co., Ltd.
Address of Applicant:	Room 201, Building A, No. 1 First Qianwan Road, Qianhai Shengang Cooperation Zone.
Manufacturer:	Shenzhen Tuozhu Technology Co., Ltd.
Address of Manufacturer:	Room 201, Building A, No. 1 First Qianwan Road, Qianhai Shengang Cooperation Zone.
Factory:	Shenzhen Telesin Digital Co.,Ltd.
Address of Factory:	Room 526,5/F, Block B, Bairuida Building, Vanke City Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China.

4.2 General Description of EUT

Product Name:	Wireless charger Kit-K012	
Model No.:	K012	
Trade Mark:	N/A	
Device type:	Desktop applications device	
Frequency Range:	111kHz-140kHz	
Center Frequency:	128kHz	
Modulation Type:	ASK	
Antenna Type:	Coil antenna	
Power Supply:	Input:	5V/1.5A;9V/1.5A;12V/1.5A
	Output:	5W/7.5W/10W/12W/15W
Test Power Grade:	Default	
Test Software of EUT:	RF test	
Sample Received Date:	Feb. 26, 2024	
Sample tested Date:	Feb. 26, 2024 to Feb. 29, 2024	

4.3 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(Null load)(Connect to adapter)
Mode b:	Wireless charging mode(33.3% load)(Connect to adapter)
Mode c:	Wireless charging mode(66.7% load)(Connect to adapter)
Mode d:	Wireless charging mode(Half load)(Connect to adapter)
Mode e:	Wireless charging mode(Full load)(Connect to adapter)
<p>Note:</p> <ol style="list-style-type: none"> 1.Wireless output:5W,7.5W,10W,15W(maximum wireless output 15W during charging); 2.Through Pre-scan,when EUT power by DC 12.0V was the worst case, only the worst case data was recorded in the report. 	

4.4 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
AC adapter	MI	MDY-11-EF	FCC ID and DOC	CTI
Intelligent wireless charging full function test kit	YBZ	/	FCC ID and DOC	CTI

4.5 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

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Conditions

None.

4.8 Other Information Requested by the Customer

None.

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

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9 x 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 to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

5 Equipment List

Conducted disturbance Test					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Receiver	R&S	ESCI	100435	04-25-2023	04-24-2024
Temperature/ Humidity Indicator	Defu	TH128	/	05-04-2023	05-03-2024
LISN	R&S	ENV216	100098	09-22-2023	09-21-2024
Barometer	changchun	DYM3	1188	---	---
Test software	Fara	EZ-EMC	EMC-CON 3A1.1	---	---
Capacitive voltage probe	Schwarzbeck	CVP 9222C	00124	06-29-2023	06-28-2024
ISN	TESEQ	ISN T800	30297	12-14-2023	12-13-2024

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	---	05/22/2022	05/21/2025
Receiver	R&S	ESCI7	100938-003	09/22/2023	09/21/2024
Spectrum Analyzer	R&S	FSV40	101200	07/25/2023	07/24/2024
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2025
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/15/2021	04/14/2024
Microwave Pre-amplifier	Tonscend	EMC051845SE	980380	12/14/2023	12/13/2024
Horn Antenna	A.H.SYSTEMS	SAS-574	374	05/29/2021	05/28/2024
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/15/2021	04/14/2024
Pre-amplifier	Agilent	11909A	12-1	03/28/2023	03/27/2024
Pre-amplifier	CD	PAP-1840-60	6041.6042	07/03/2023	07/02/2024
Test software	Fara	EZ-EMC	EMEC-3A1-Pre	---	---
Cable line	Fulai(7M)	SF106	5219/6A	---	---
Cable line	Fulai(6M)	SF106	5220/6A	---	---
Cable line	Fulai(3M)	SF106	5216/6A	---	---
Cable line	Fulai(3M)	SF106	5217/6A	---	---

6 Test results and Measurement Data

6.1 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.	

6.2 Conducted Emissions

Test Requirement: 47 CFR Part 15C Section 15.207
Test Method: ANSI C63.10: 2013
Test Frequency Range: 150kHz to 30MHz

Limit:

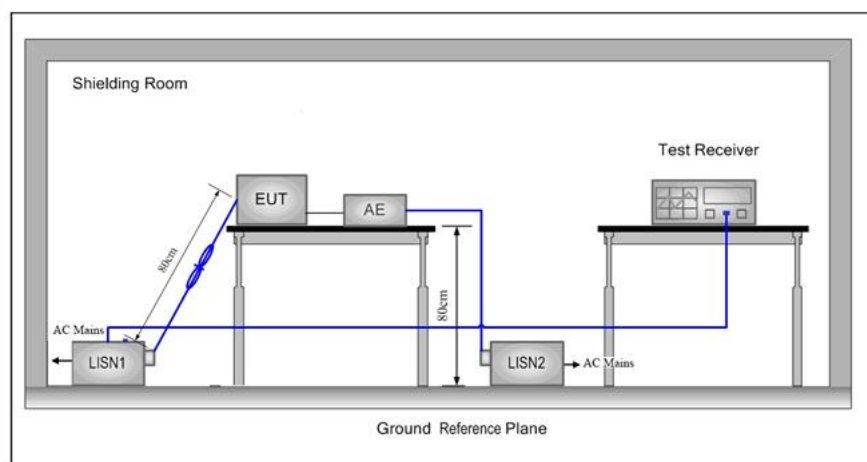
Frequency range (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

Test Procedure:

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.

Test Setup:

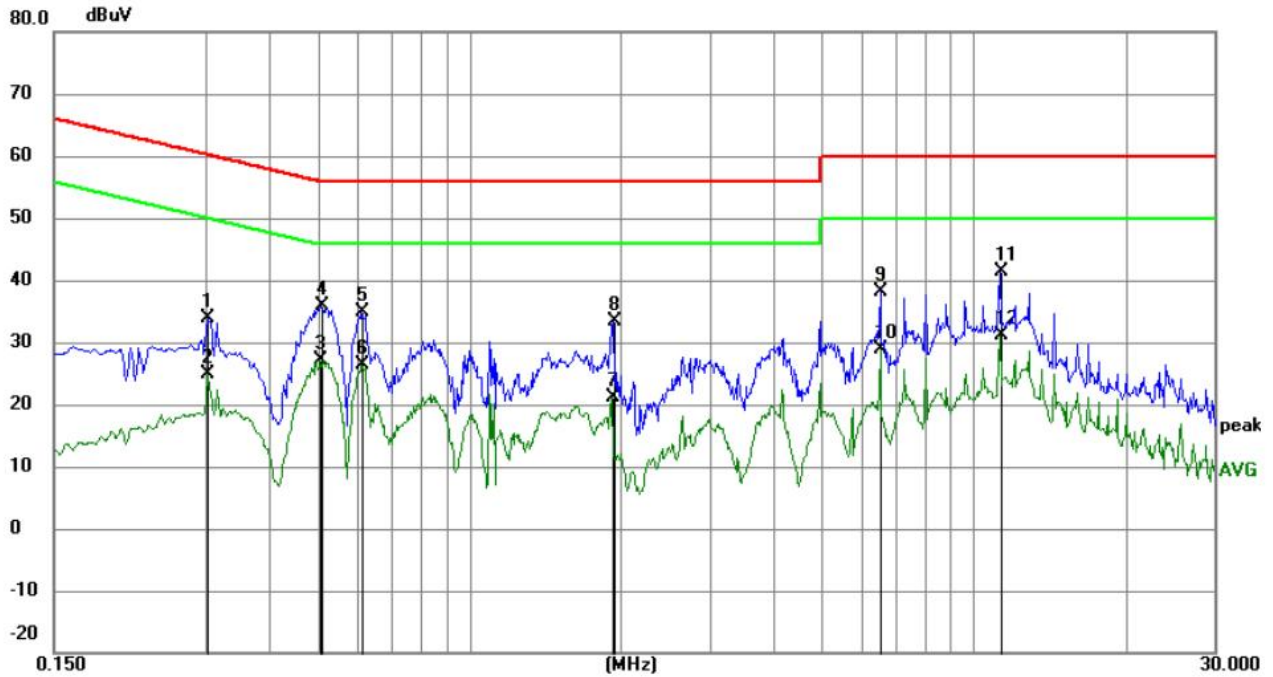


Test Mode: Transmitting mode, refer to section 4.3

Test Results: Pass

Measurement Data (Mode a):

Live line:



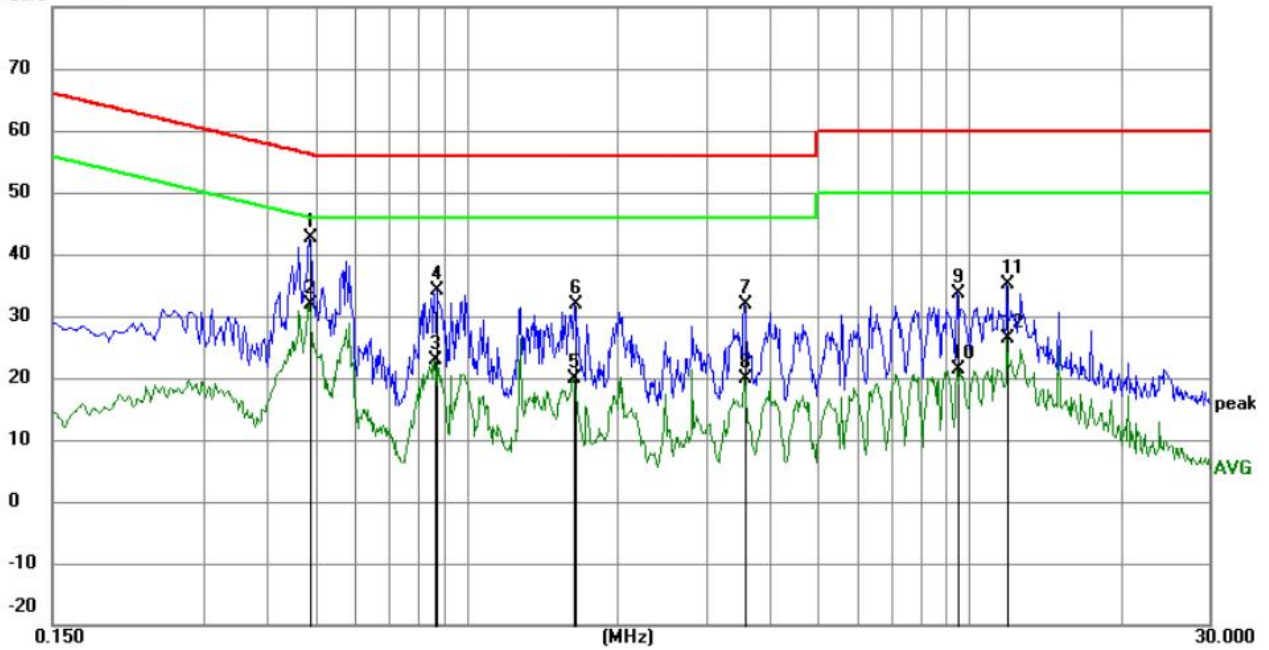
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.3030	24.25	9.55	33.80	60.16	-26.36	QP	
2		0.3030	15.38	9.55	24.93	50.16	-25.23	AVG	
3		0.5055	17.43	9.77	27.20	46.00	-18.80	AVG	
4		0.5100	26.08	9.76	35.84	56.00	-20.16	QP	
5		0.6134	25.25	9.65	34.90	56.00	-21.10	QP	
6		0.6134	16.62	9.65	26.27	46.00	-19.73	AVG	
7		1.9184	11.29	9.75	21.04	46.00	-24.96	AVG	
8		1.9319	23.56	9.75	33.31	56.00	-22.69	QP	
9		6.5265	28.33	9.85	38.18	60.00	-21.82	QP	
10		6.5265	18.99	9.85	28.84	50.00	-21.16	AVG	
11	*	11.2650	31.52	9.84	41.36	60.00	-18.64	QP	
12		11.2650	21.39	9.84	31.23	50.00	-18.77	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:

80.0 dBuV



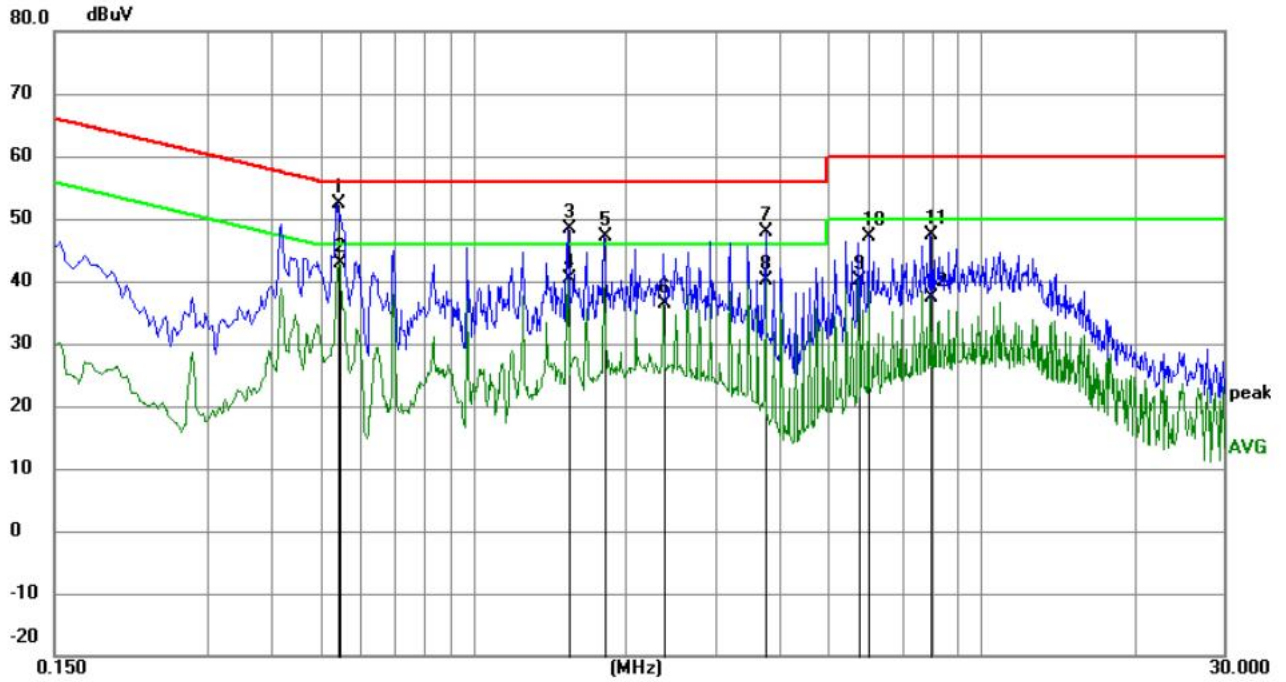
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.4875	32.76	9.78	42.54	56.21	-13.67	QP	
2		0.4875	22.13	9.78	31.91	46.21	-14.30	AVG	
3		0.8655	13.10	9.80	22.90	46.00	-23.10	AVG	
4		0.8745	24.23	9.80	34.03	56.00	-21.97	QP	
5		1.6305	10.04	9.75	19.79	46.00	-26.21	AVG	
6		1.6395	22.13	9.75	31.88	56.00	-24.12	QP	
7		3.5835	22.15	9.80	31.95	56.00	-24.05	QP	
8		3.5835	10.13	9.80	19.93	46.00	-26.07	AVG	
9		9.4830	23.92	9.83	33.75	60.00	-26.25	QP	
10		9.4830	11.63	9.83	21.46	50.00	-28.54	AVG	
11		11.9040	25.18	9.84	35.02	60.00	-24.98	QP	
12		11.9040	16.52	9.84	26.36	50.00	-23.64	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Measurement Data (Mode b):

Live line:



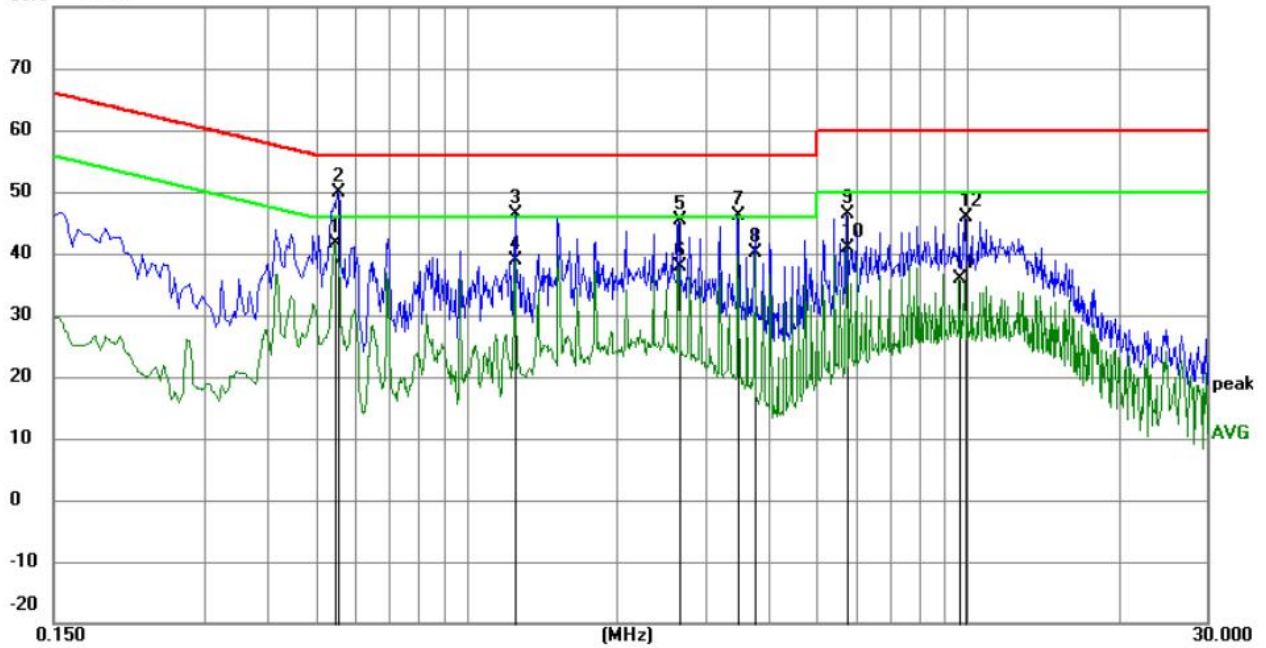
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.5415	42.56	9.70	52.26	56.00	-3.74	QP	
2	*	0.5460	33.16	9.69	42.85	46.00	-3.15	AVG	
3		1.5360	38.65	9.75	48.40	56.00	-7.60	QP	
4		1.5360	30.62	9.75	40.37	46.00	-5.63	AVG	
5		1.8150	37.34	9.75	47.09	56.00	-8.91	QP	
6		2.3730	26.58	9.76	36.34	46.00	-9.66	AVG	
7		3.7680	38.03	9.80	47.83	56.00	-8.17	QP	
8		3.7680	30.27	9.80	40.07	46.00	-5.93	AVG	
9		5.7210	30.20	9.84	40.04	50.00	-9.96	AVG	
10		6.0000	37.34	9.84	47.18	60.00	-12.82	QP	
11		7.9575	37.42	9.84	47.26	60.00	-12.74	QP	
12		7.9575	27.44	9.84	37.28	50.00	-12.72	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:

80.0 dBuV



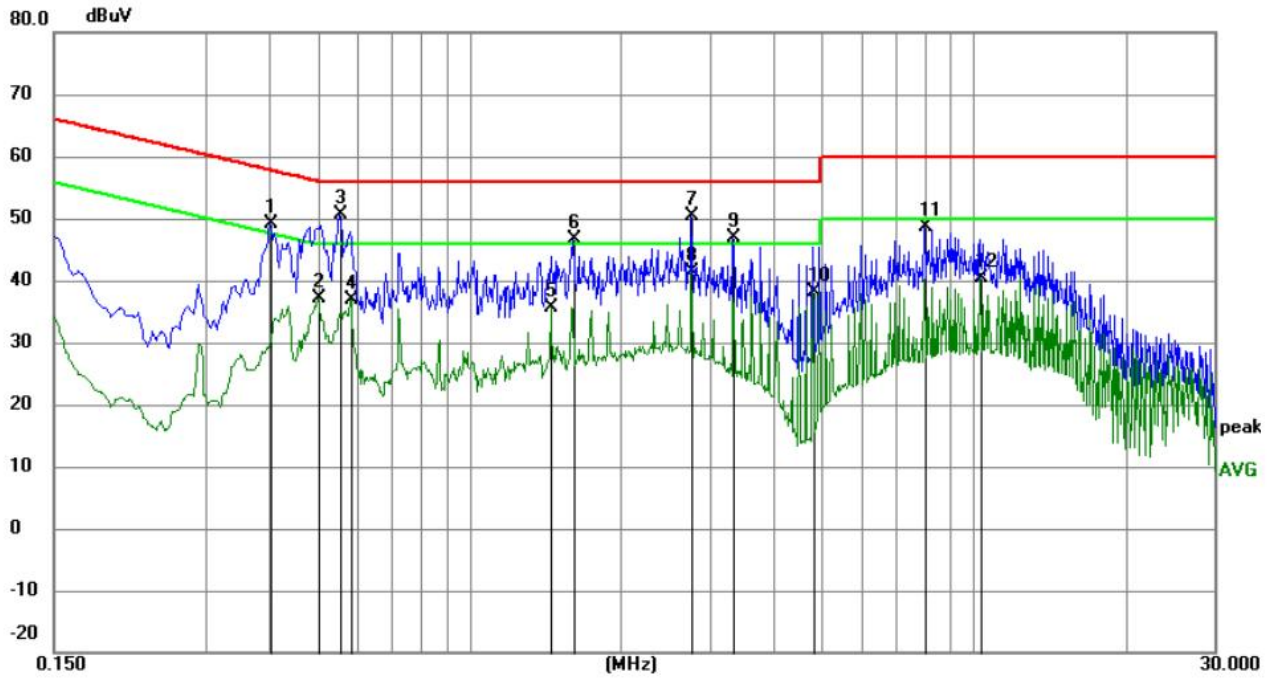
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.5460	31.98	9.69	41.67	46.00	-4.33	AVG	
2		0.5550	40.29	9.68	49.97	56.00	-6.03	QP	
3		1.2525	36.56	9.74	46.30	56.00	-9.70	QP	
4		1.2525	29.02	9.74	38.76	46.00	-7.24	AVG	
5		2.6520	35.53	9.77	45.30	56.00	-10.70	QP	
6		2.6520	28.16	9.77	37.93	46.00	-8.07	AVG	
7		3.4890	36.39	9.79	46.18	56.00	-9.82	QP	
8		3.7680	30.28	9.80	40.08	46.00	-5.92	AVG	
9		5.7210	36.57	9.84	46.41	60.00	-13.59	QP	
10		5.7210	30.93	9.84	40.77	50.00	-9.23	AVG	
11		9.6270	26.03	9.83	35.86	50.00	-14.14	AVG	
12		9.9060	36.16	9.83	45.99	60.00	-14.01	QP	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Measurement Data (Mode c):

Live line:

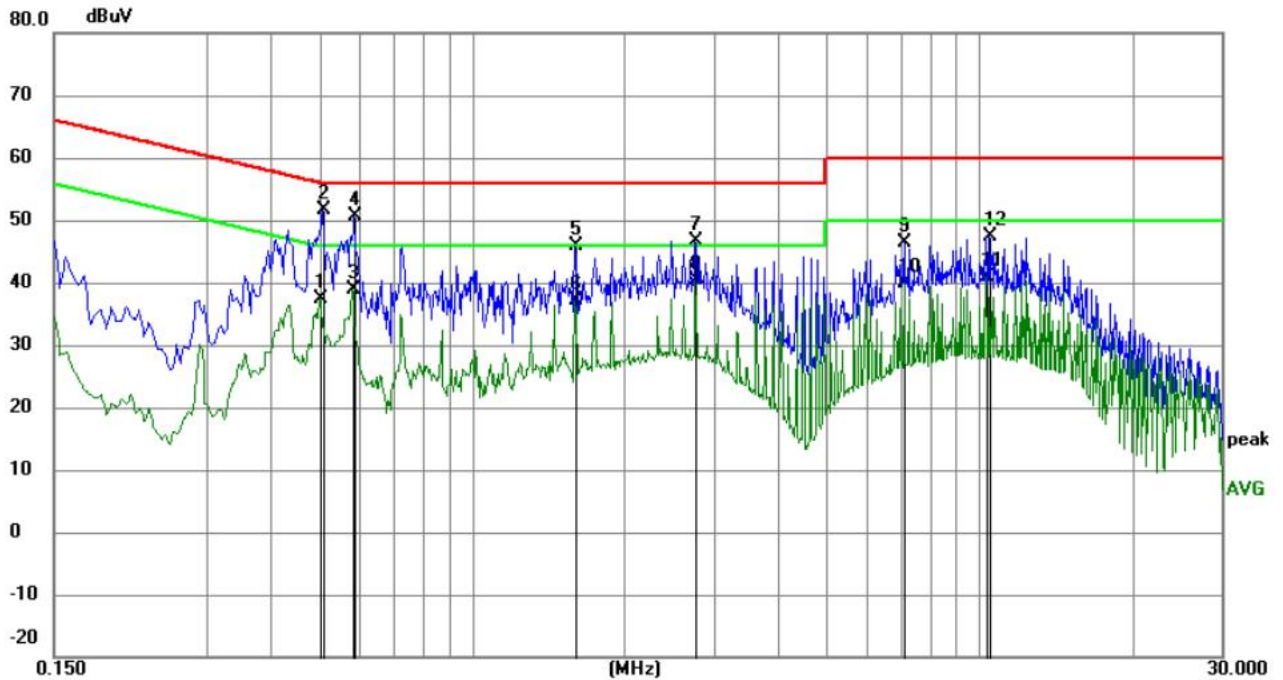


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.4020	39.39	9.79	49.18	57.81	-8.63	QP	
2	0.5010	27.39	9.78	37.17	46.00	-8.83	AVG	
3	0.5550	41.02	9.68	50.70	56.00	-5.30	QP	
4	0.5820	27.35	9.62	36.97	46.00	-9.03	AVG	
5	1.4550	25.95	9.74	35.69	46.00	-10.31	AVG	
6	1.6035	36.95	9.75	46.70	56.00	-9.30	QP	
7	2.7645	40.54	9.77	50.31	56.00	-5.69	QP	
8 *	2.7645	31.65	9.77	41.42	46.00	-4.58	AVG	
9	3.3450	37.01	9.79	46.80	56.00	-9.20	QP	
10	4.8029	28.41	9.83	38.24	46.00	-7.76	AVG	
11	8.0024	38.68	9.84	48.52	60.00	-11.48	QP	
12	10.3290	30.60	9.83	40.43	50.00	-9.57	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:



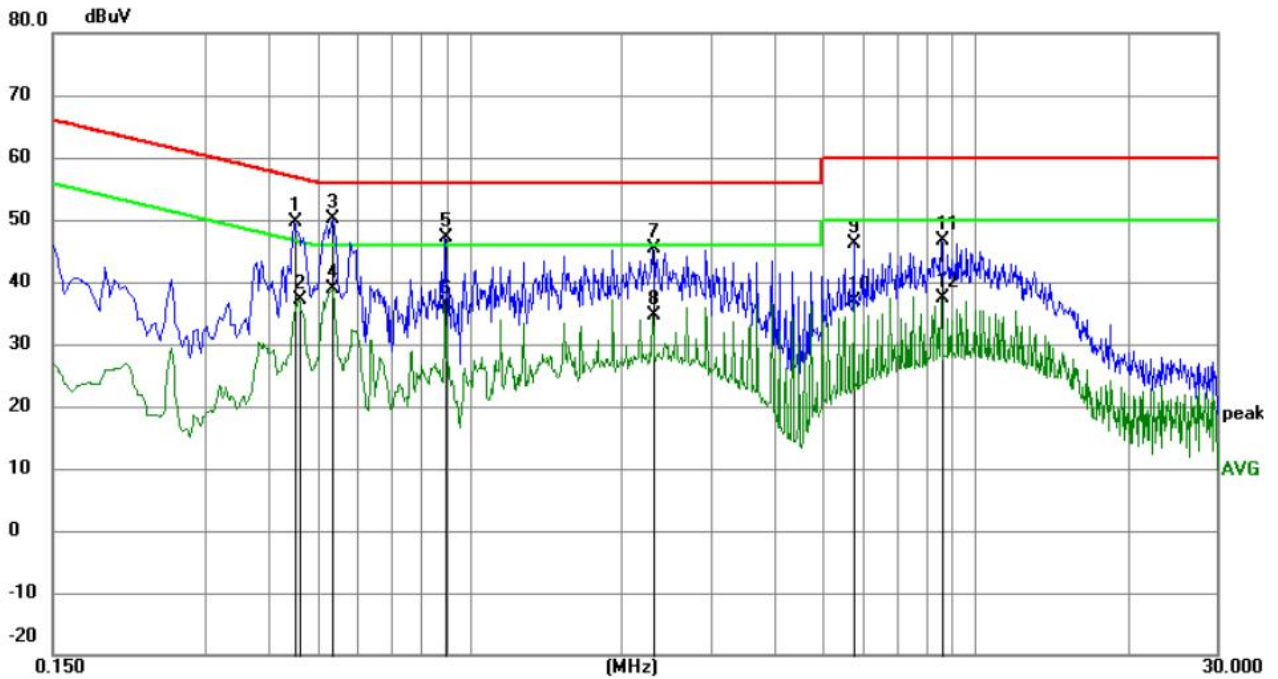
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.5010	27.64	9.78	37.42	46.00	-8.58	AVG	
2	*	0.5100	41.75	9.76	51.51	56.00	-4.49	QP	
3		0.5820	29.14	9.62	38.76	46.00	-7.24	AVG	
4		0.5865	40.96	9.62	50.58	56.00	-5.42	QP	
5		1.5990	36.03	9.75	45.78	56.00	-10.22	QP	
6		1.5990	27.29	9.75	37.04	46.00	-8.96	AVG	
7		2.7645	36.96	9.77	46.73	56.00	-9.27	QP	
8		2.7645	30.64	9.77	40.41	46.00	-5.59	AVG	
9		7.1295	36.42	9.85	46.27	60.00	-13.73	QP	
10		7.1295	29.96	9.85	39.81	50.00	-10.19	AVG	
11		10.3290	30.94	9.83	40.77	50.00	-9.23	AVG	
12		10.4775	37.52	9.83	47.35	60.00	-12.65	QP	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Measurement Data (Mode d):

Live line:



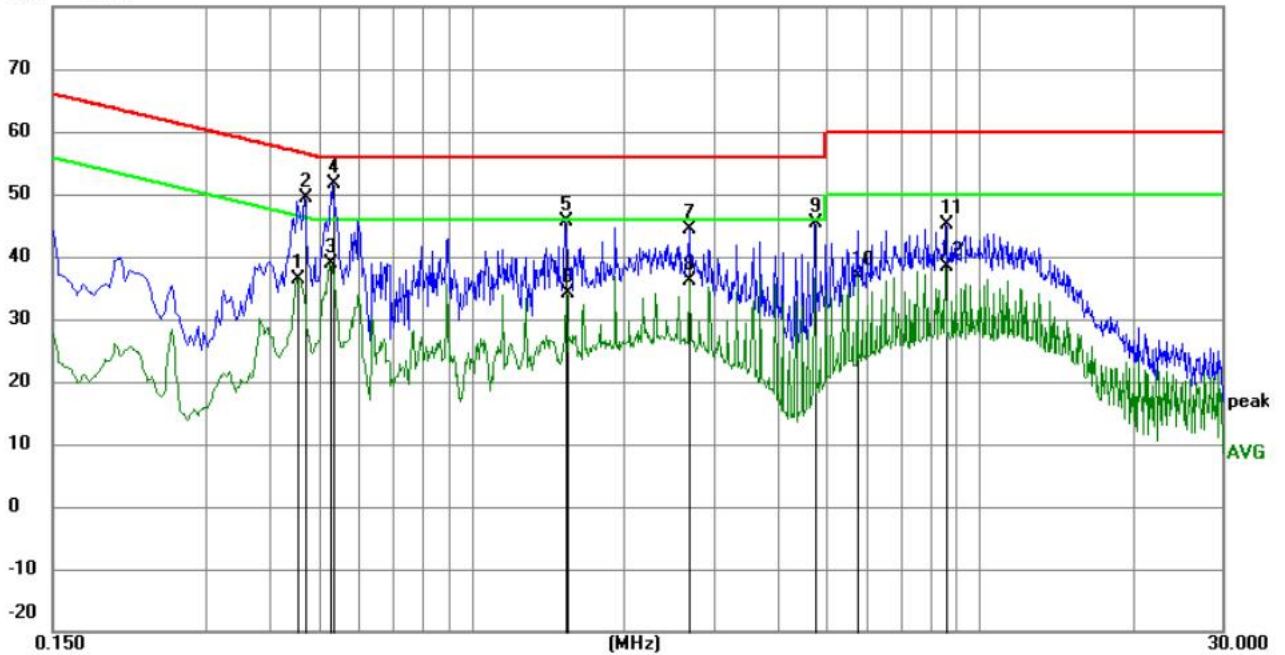
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.4515	39.80	9.78	49.58	56.85	-7.27	QP	
2		0.4605	27.32	9.78	37.10	46.68	-9.58	AVG	
3	*	0.5370	40.34	9.71	50.05	56.00	-5.95	QP	
4		0.5370	29.24	9.71	38.95	46.00	-7.05	AVG	
5		0.8970	37.31	9.81	47.12	56.00	-8.88	QP	
6		0.8970	26.65	9.81	36.46	46.00	-9.54	AVG	
7		2.3055	35.74	9.76	45.50	56.00	-10.50	QP	
8		2.3055	24.97	9.76	34.73	46.00	-11.27	AVG	
9		5.7614	36.34	9.84	46.18	60.00	-13.82	QP	
10		5.7614	27.02	9.84	36.86	50.00	-13.14	AVG	
11		8.5830	36.81	9.84	46.65	60.00	-13.35	QP	
12		8.5830	27.47	9.84	37.31	50.00	-12.69	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:

80.0 dBuV



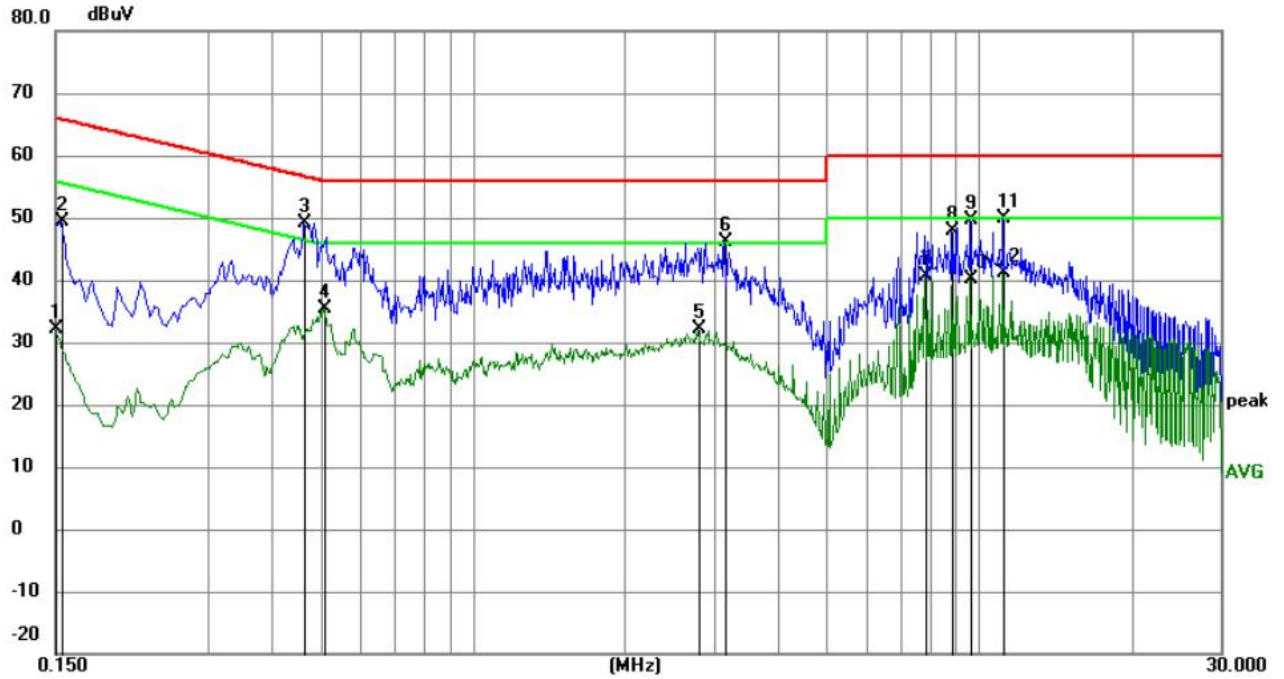
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.4560	26.69	9.78	36.47	46.77	-10.30	AVG	
2		0.4695	39.70	9.78	49.48	56.52	-7.04	QP	
3		0.5280	29.03	9.73	38.76	46.00	-7.24	AVG	
4	*	0.5325	41.91	9.72	51.63	56.00	-4.37	QP	
5		1.5315	35.94	9.75	45.69	56.00	-10.31	QP	
6		1.5360	24.40	9.75	34.15	46.00	-11.85	AVG	
7		2.6880	34.70	9.77	44.47	56.00	-11.53	QP	
8		2.6880	26.45	9.77	36.22	46.00	-9.78	AVG	
9		4.7399	35.53	9.83	45.36	56.00	-10.64	QP	
10		5.7660	26.99	9.84	36.83	50.00	-13.17	AVG	
11		8.5830	35.25	9.84	45.09	60.00	-14.91	QP	
12		8.5830	28.50	9.84	38.34	50.00	-11.66	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Measurement Data (Mode e):

Live line:



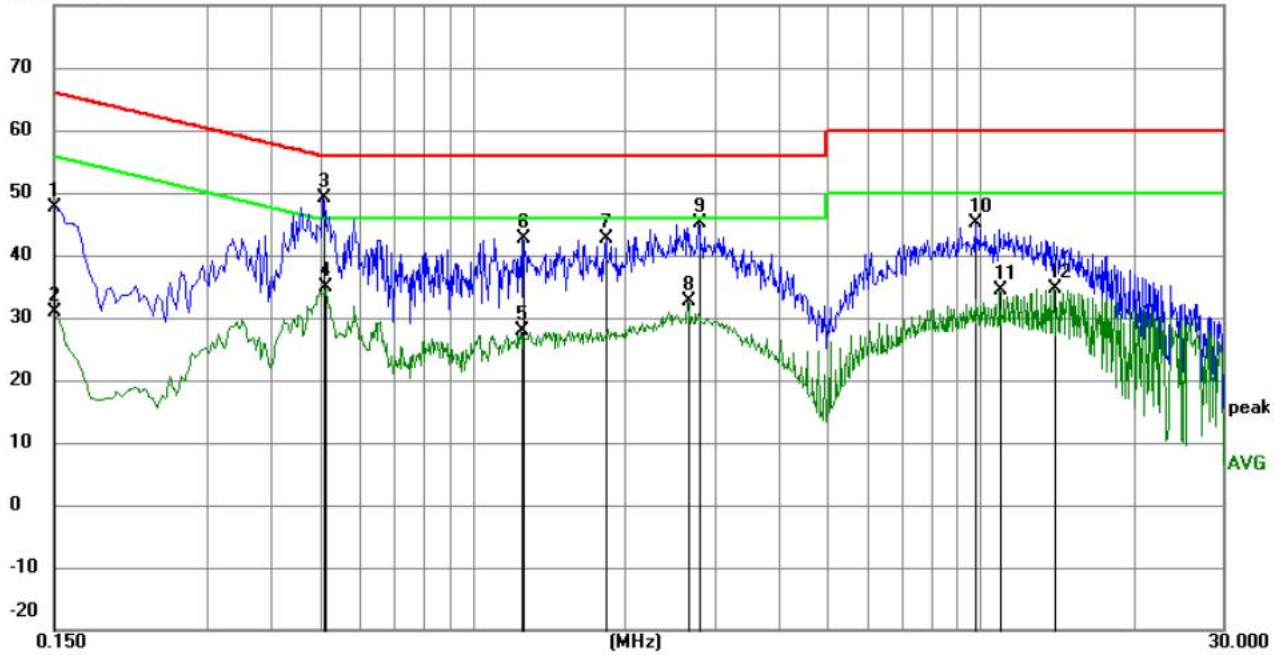
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	22.21	9.87	32.08	56.00	-23.92	AVG	
2		0.1544	39.40	9.87	49.27	65.76	-16.49	QP	
3	*	0.4650	39.39	9.78	49.17	56.60	-7.43	QP	
4		0.5100	25.70	9.76	35.46	46.00	-10.54	AVG	
5		2.7825	22.42	9.77	32.19	46.00	-13.81	AVG	
6		3.1425	36.38	9.78	46.16	56.00	-9.84	QP	
7		7.8135	30.68	9.84	40.52	50.00	-9.48	AVG	
8		8.8395	38.02	9.84	47.86	60.00	-12.14	QP	
9		9.6090	39.84	9.83	49.67	60.00	-10.33	QP	
10		9.6090	30.33	9.83	40.16	50.00	-9.84	AVG	
11		11.1435	39.93	9.83	49.76	60.00	-10.24	QP	
12		11.1435	31.18	9.83	41.01	50.00	-8.99	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:

80.0 dBuV



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	37.85	9.87	47.72	66.00	-18.28	QP	
2		0.1500	20.90	9.87	30.77	56.00	-25.23	AVG	
3	*	0.5100	39.39	9.76	49.15	56.00	-6.85	QP	
4		0.5144	25.20	9.75	34.95	46.00	-11.05	AVG	
5		1.2480	18.13	9.74	27.87	46.00	-18.13	AVG	
6		1.2570	32.91	9.74	42.65	56.00	-13.35	QP	
7		1.8375	32.98	9.75	42.73	56.00	-13.27	QP	
8		2.6610	22.96	9.77	32.73	46.00	-13.27	AVG	
9		2.7825	35.24	9.77	45.01	56.00	-10.99	QP	
10		9.7575	35.19	9.83	45.02	60.00	-14.98	QP	
11		10.9275	24.51	9.83	34.34	50.00	-15.66	AVG	
12		13.9785	24.85	9.85	34.70	50.00	-15.30	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

6.3 Radiated Emissions

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

Test Method: ANSI C63.10 2013

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:

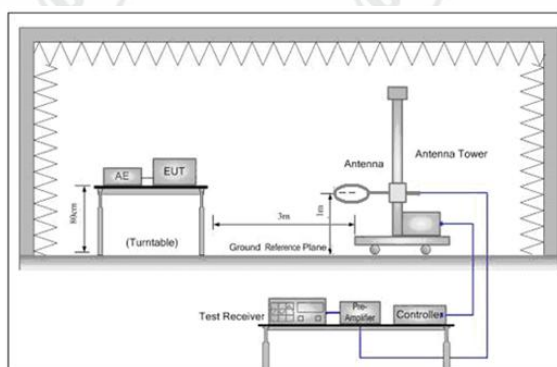


Figure . Below 30MHz

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 rotating 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 (dB μ V/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:

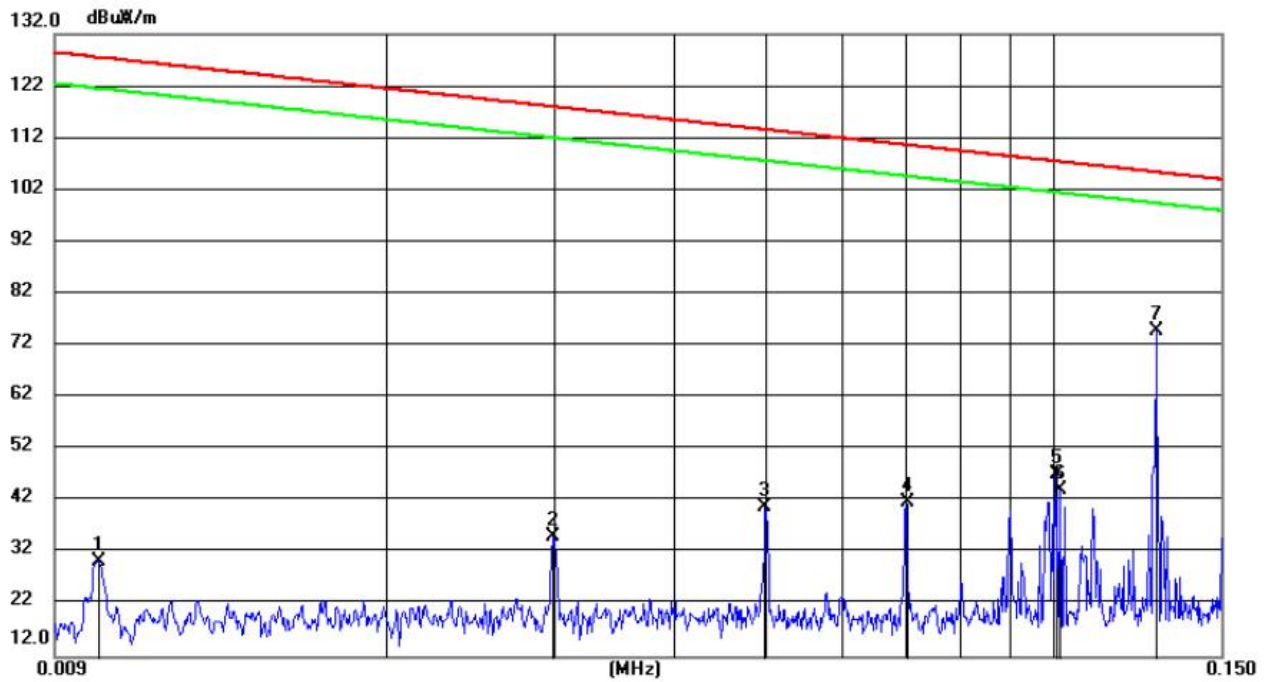
Transmitting mode, refer to section 4.3

Test Results:

Pass

9kHz~150kHz:

Measurement Data (Mode a):



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Detector	Comment
1		0.0100	9.18	21.30	30.48	127.49	-97.01			QP	
2		0.0299	14.33	20.92	35.25	118.01	-82.76			QP	
3		0.0499	20.15	20.90	41.05	113.58	-72.53			QP	
4		0.0702	20.93	20.83	41.76	110.62	-68.86			QP	
5		0.1006	26.50	20.81	47.31	107.51	-60.20			QP	
6		0.1017	23.55	20.81	44.36	107.41	-63.05			QP	
7	*	0.1281	53.87	20.89	74.76	105.41	-30.65			QP	

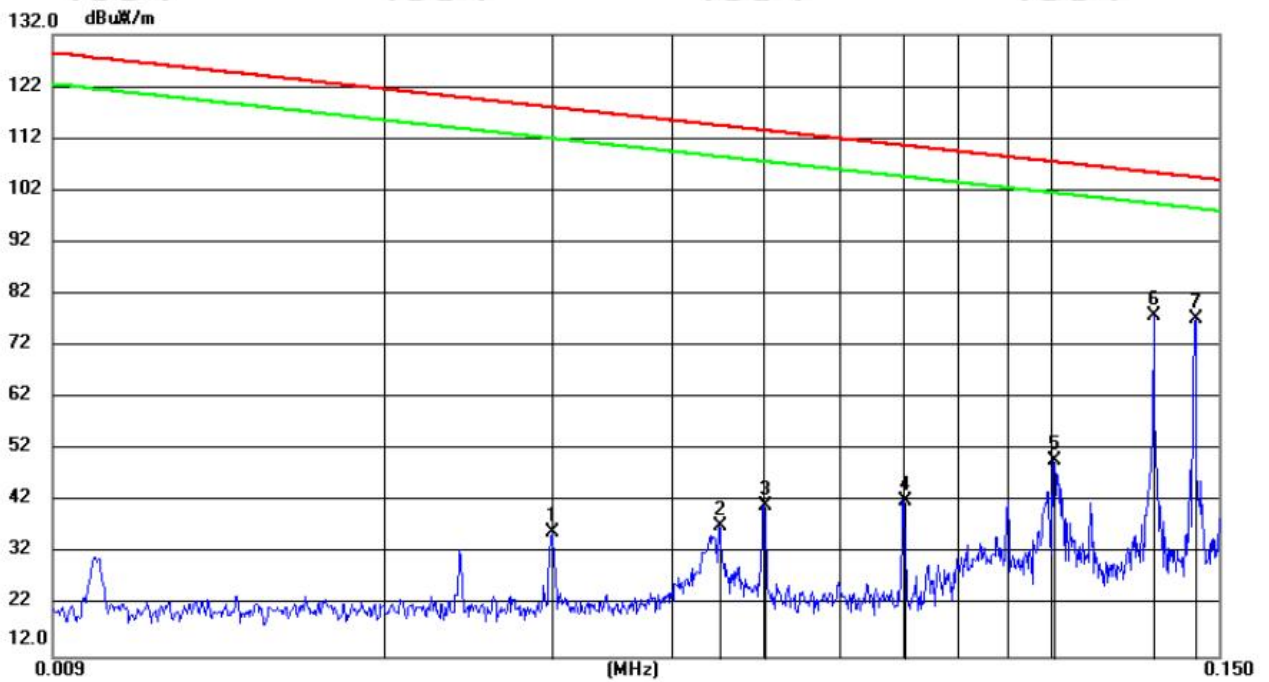
Remark:

1. According to ANSI C63.10-2013 chapter 6.4.6, We tested the parallel, perpendicular, and ground-parallel of loop antenna, and recorded the worst parallel data of loop antenna in the report.
2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Pre-amplifier Factor - Antenna Factor - Cable Factor

Measurement Data (Mode b):



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		0.0300	15.21	20.92	36.13	117.98	-81.85	QP			
2		0.0449	16.44	20.90	37.34	114.49	-77.15	QP			
3		0.0501	20.45	20.90	41.35	113.54	-72.19	QP			
4		0.0702	21.24	20.83	42.07	110.62	-68.55	QP			
5		0.1006	29.14	20.81	49.95	107.51	-57.56	QP			
6		0.1281	56.91	20.89	77.80	105.41	-27.61	QP			
7	*	0.1418	56.43	20.90	77.33	104.53	-27.20	QP			

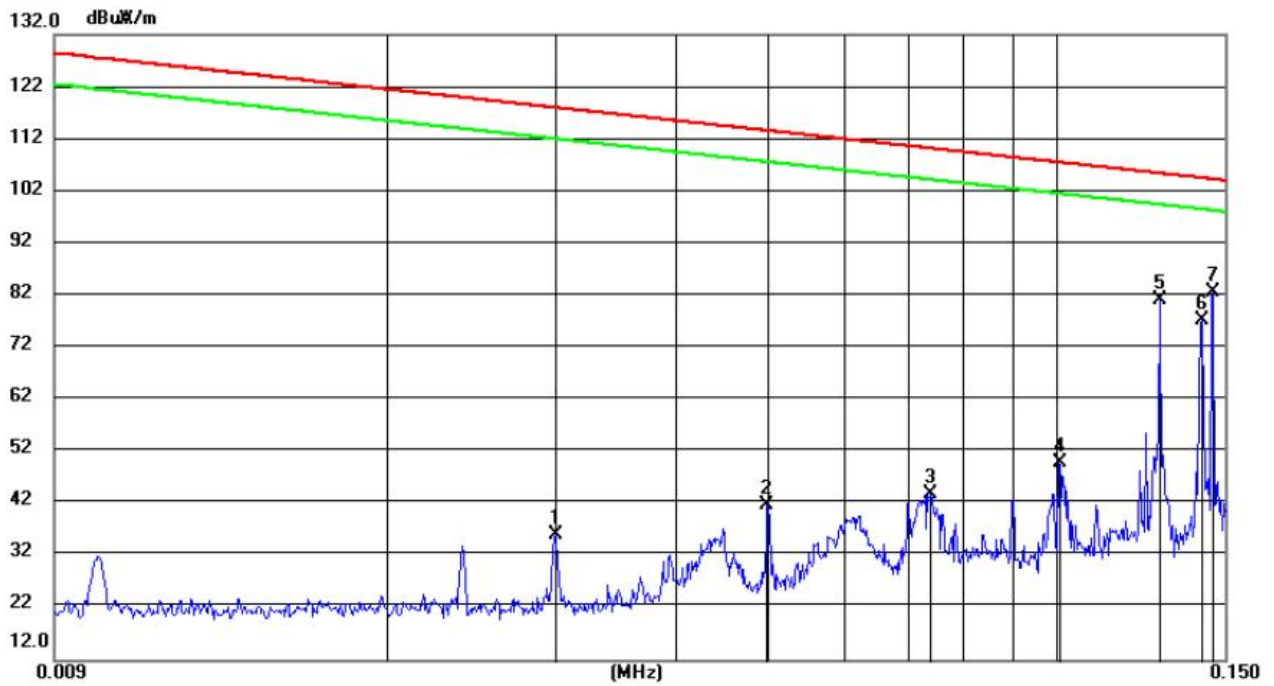
Remark:

1. According to ANSI C63.10-2013 chapter 6.4.6, we tested the parallel, perpendicular, and ground-parallel of loop antenna, and 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):

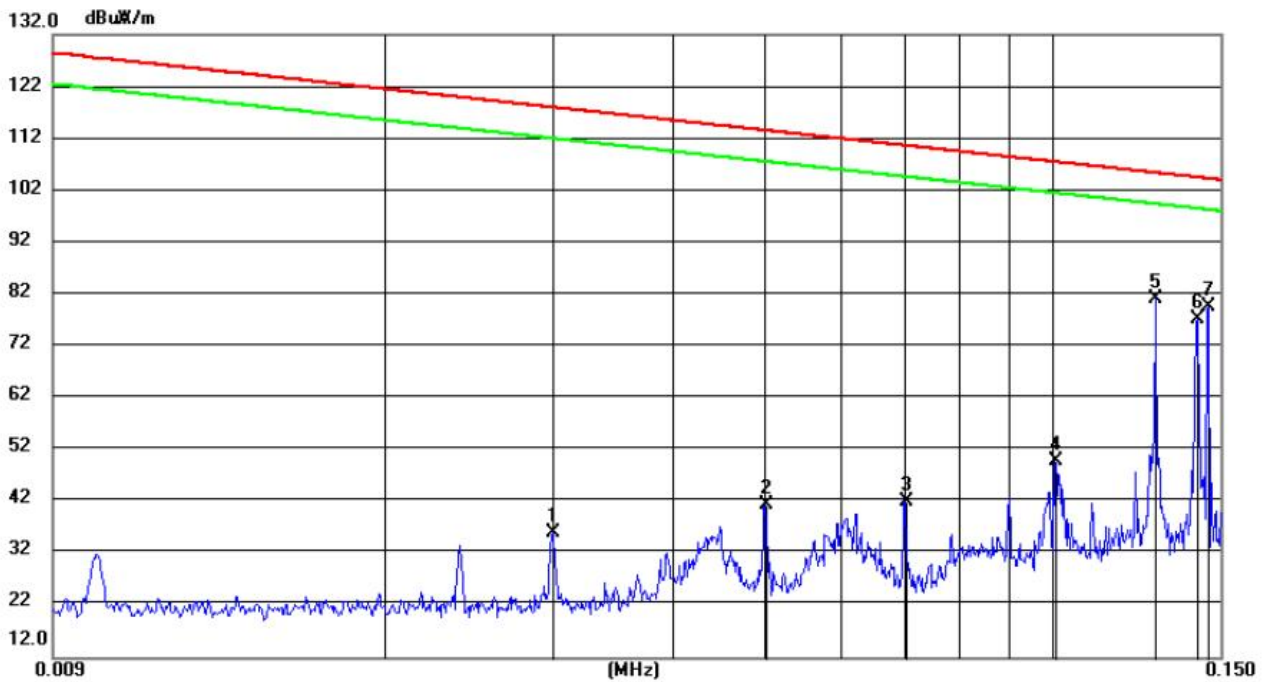


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree degree	Detector	Comment
1		0.0300	15.21	20.92	36.13	117.98	-81.85			QP	
2		0.0499	21.04	20.90	41.94	113.58	-71.64			QP	
3		0.0740	23.25	20.82	44.07	110.16	-66.09			QP	
4		0.1006	29.14	20.81	49.95	107.51	-57.56			QP	
5		0.1281	60.31	20.89	81.20	105.41	-24.21			QP	
6		0.1418	56.43	20.90	77.33	104.53	-27.20			QP	
7	*	0.1457	61.65	20.91	82.56	104.30	-21.74			QP	

Remark:

1. According to ANSI C63.10-2013 chapter 6.4.6, we tested the parallel, perpendicular, and ground-parallel of loop antenna, and 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	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		0.0300	15.21	20.92	36.13	117.98	-81.85	QP			
2		0.0501	20.58	20.90	41.48	113.54	-72.06	QP			
3		0.0702	21.24	20.83	42.07	110.62	-68.55	QP			
4		0.1006	29.14	20.81	49.95	107.51	-57.56	QP			
5	*	0.1281	60.25	20.89	81.14	105.41	-24.27	QP			
6		0.1418	56.43	20.90	77.33	104.53	-27.20	QP			
7		0.1457	58.61	20.91	79.52	104.30	-24.78	QP			

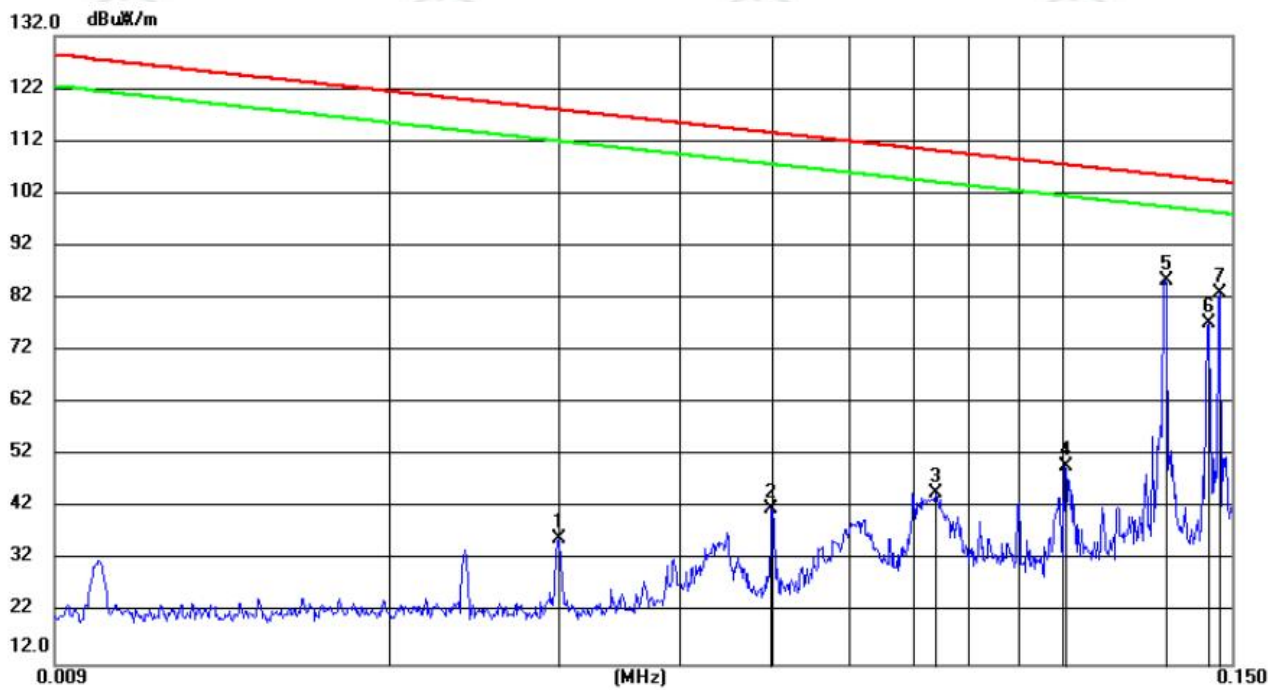
Remark:

1. According to ANSI C63.10-2013 chapter 6.4.6, we tested the parallel, perpendicular, and ground-parallel of loop antenna, and 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 e):



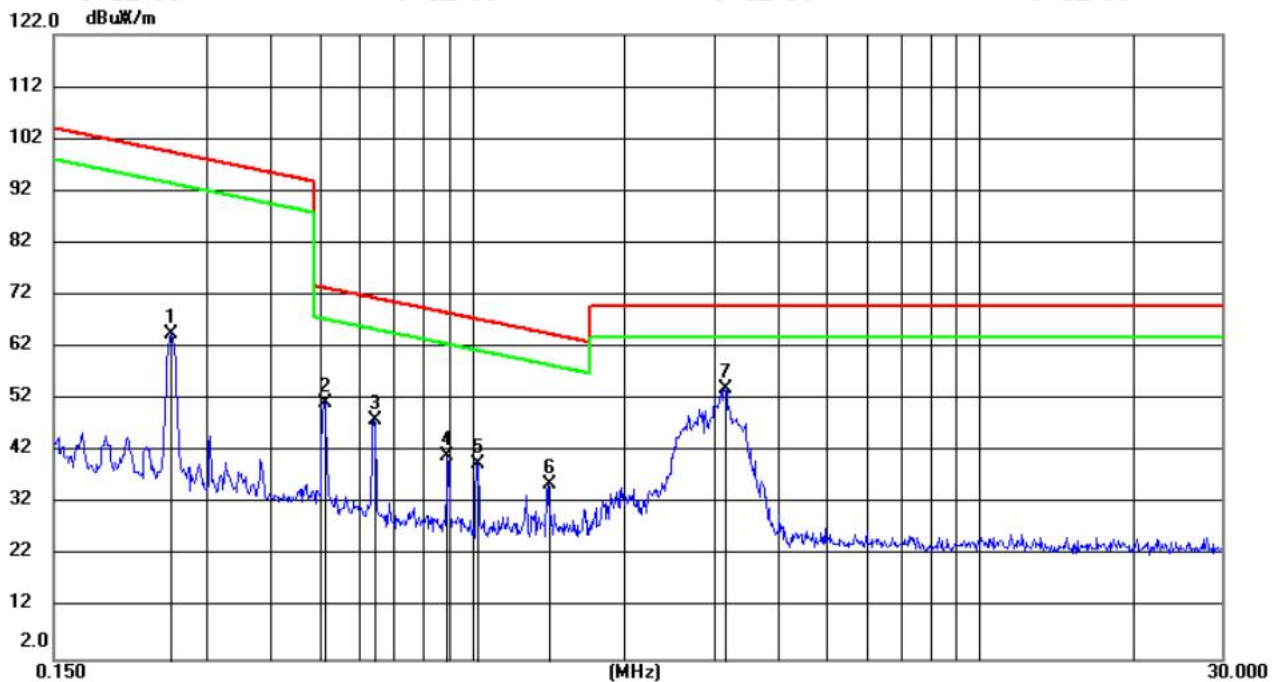
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		0.0300	15.21	20.92	36.13	117.91	-81.78	QP			
2		0.0499	21.04	20.90	41.94	113.52	-71.58	QP			
3		0.0738	24.10	20.82	44.92	110.14	-65.22	QP			
4		0.1006	29.14	20.81	49.95	107.47	-57.52	QP			
5	*	0.1278	64.50	20.89	85.39	105.40	-20.01	QP			
6		0.1418	56.43	20.90	77.33	104.50	-27.17	QP			
7		0.1457	61.99	20.91	82.90	104.27	-21.37	QP			

Remark:

1. According to ANSI C63.10-2013 chapter 6.4.6, we tested the parallel, perpendicular, and ground-parallel of loop antenna, and recorded the worst parallel data of loop antenna in the report.
2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading - Correct Factor
 Correct Factor = Pre-amplifier Factor - Antenna Factor - Cable Factor

150kHz~30MHz:

Measurement Data (Mode a):



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		0.2548	43.54	21.03	64.57	99.46	-34.89	QP			
2		0.5128	30.69	20.55	51.24	73.41	-22.17	QP			
3		0.6406	27.61	20.54	48.15	71.48	-23.33	QP			
4		0.8944	20.63	20.51	41.14	68.59	-27.45	QP			
5		1.0211	19.22	20.49	39.71	67.44	-27.73	QP			
6		1.4107	15.37	20.47	35.84	64.64	-28.80	QP			
7	*	3.1397	33.59	20.41	54.00	70.00	-16.00	QP			

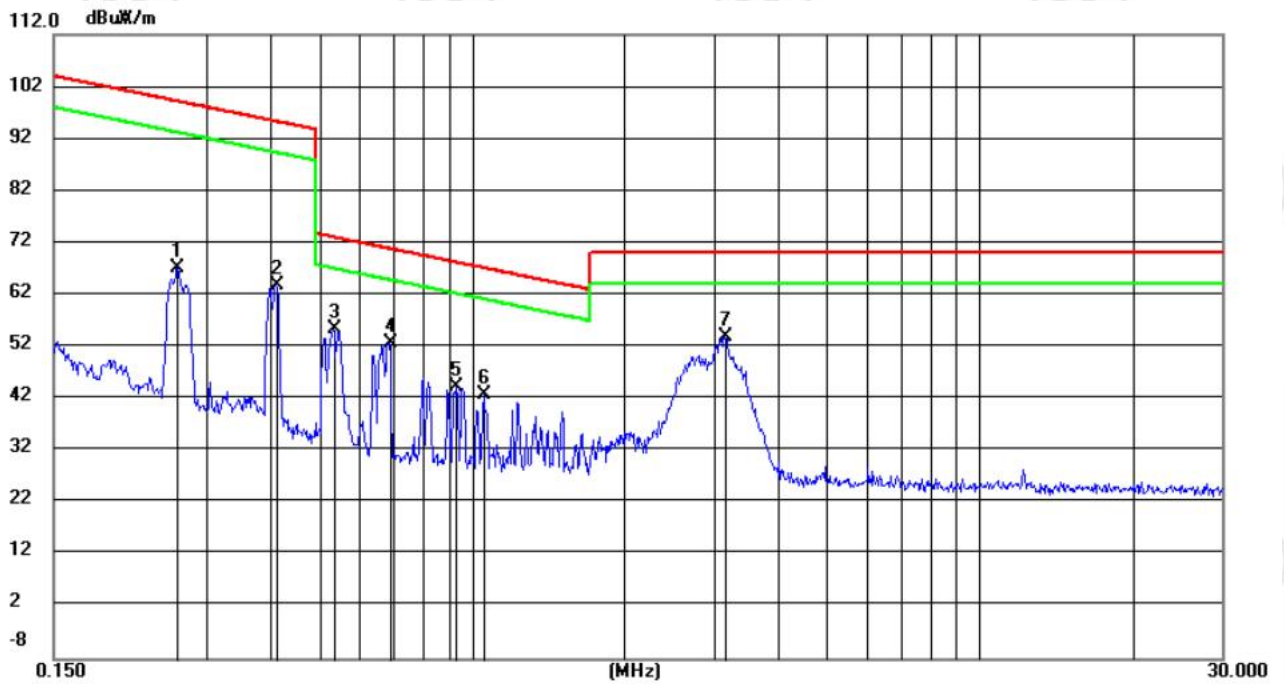
Remark:

1. According ANSI C63.10-2013 chapter 6.4.6, 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. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		0.2630	46.24	21.01	67.25	99.17	-31.92	QP			
2		0.4105	43.08	20.73	63.81	95.33	-31.52	QP			
3		0.5322	34.86	20.55	55.41	73.08	-17.67	QP			
4		0.6863	32.24	20.53	52.77	70.88	-18.11	QP			
5		0.9331	23.97	20.51	44.48	68.22	-23.74	QP			
6		1.0541	22.49	20.49	42.98	67.16	-24.18	QP			
7	*	3.1397	33.59	20.41	54.00	70.00	-16.00	QP			

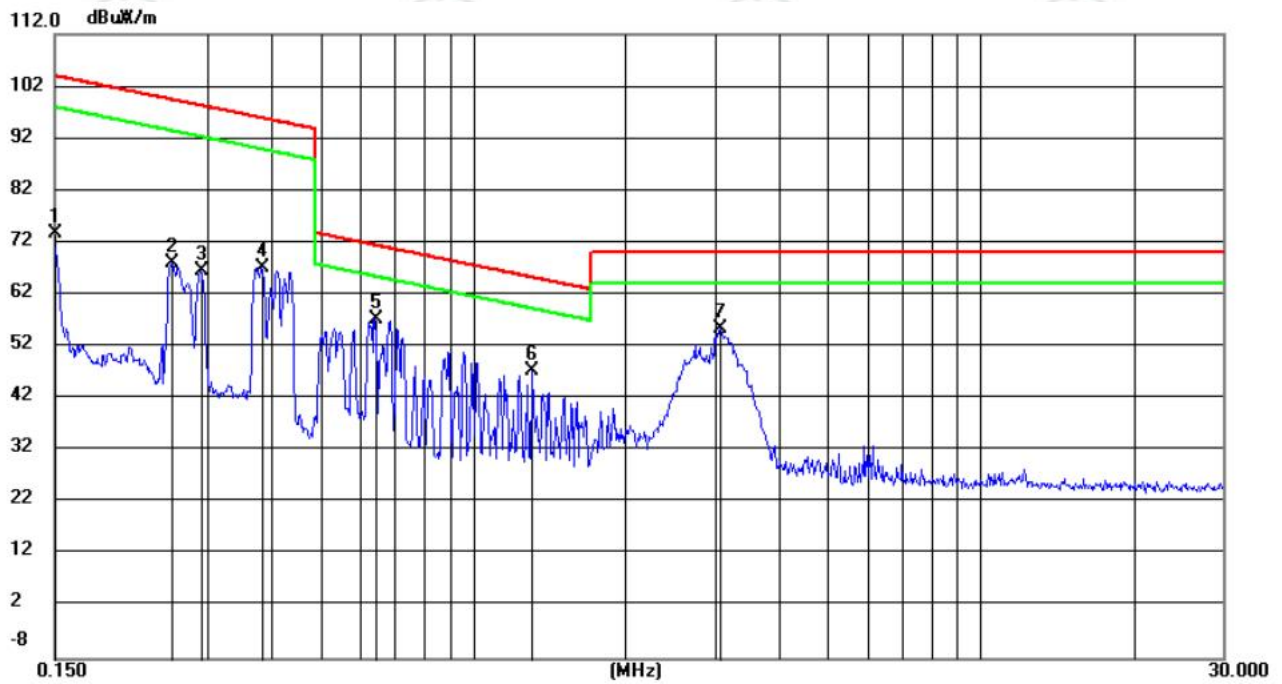
Remark:

1. According ANSI C63.10-2013 chapter 6.4.6, 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):

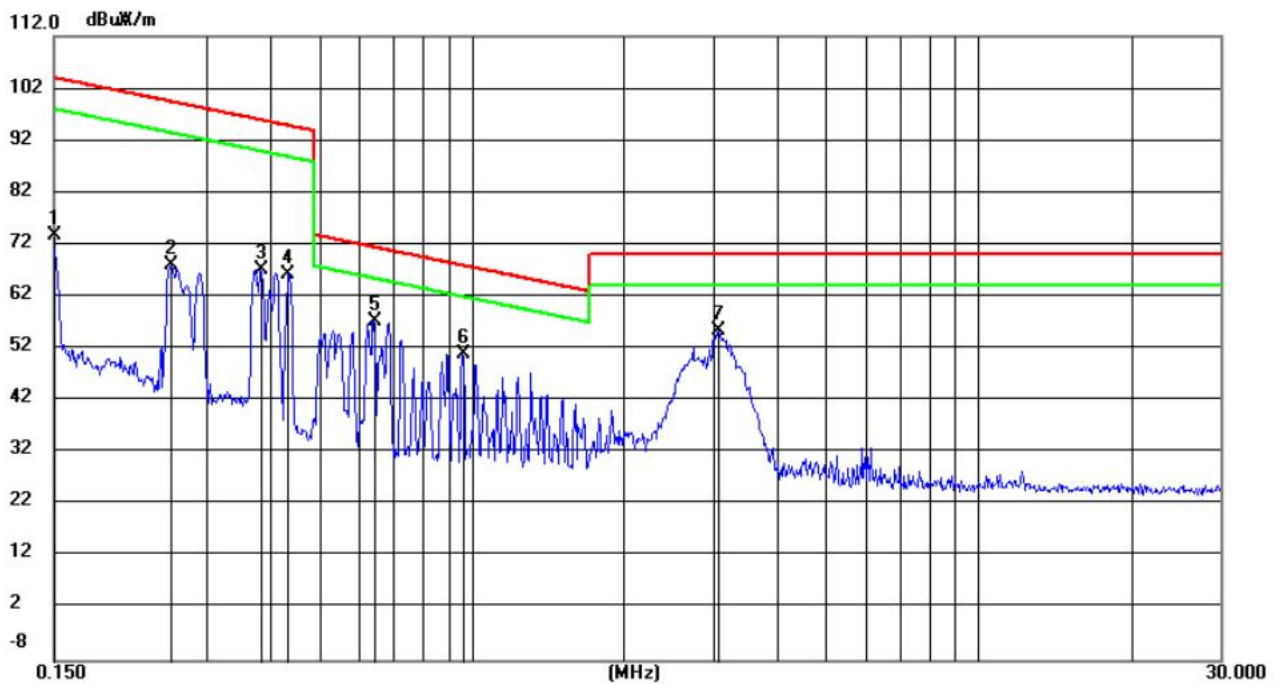


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		0.1500	52.74	20.92	73.66	104.02	-30.36	QP			
2		0.2548	47.09	21.03	68.12	99.44	-31.32	QP			
3		0.2909	45.57	20.96	66.53	98.30	-31.77	QP			
4		0.3832	46.48	20.78	67.26	95.92	-28.66	QP			
5	*	0.6406	36.81	20.54	57.35	71.48	-14.13	QP			
6		1.3098	26.95	20.48	47.43	65.28	-17.85	QP			
7		3.0738	34.95	20.41	55.36	70.00	-14.64	QP			

Remark:

1. According to ANSI C63.10-2013 chapter 6.4.6, we tested the parallel, perpendicular, and ground-parallel of loop antenna, and recorded the worst parallel data of loop antenna in the report.
2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading - Correct Factor
 Correct Factor = Pre-amplifier Factor - Antenna Factor - Cable Factor

Measurement Data (Mode d):

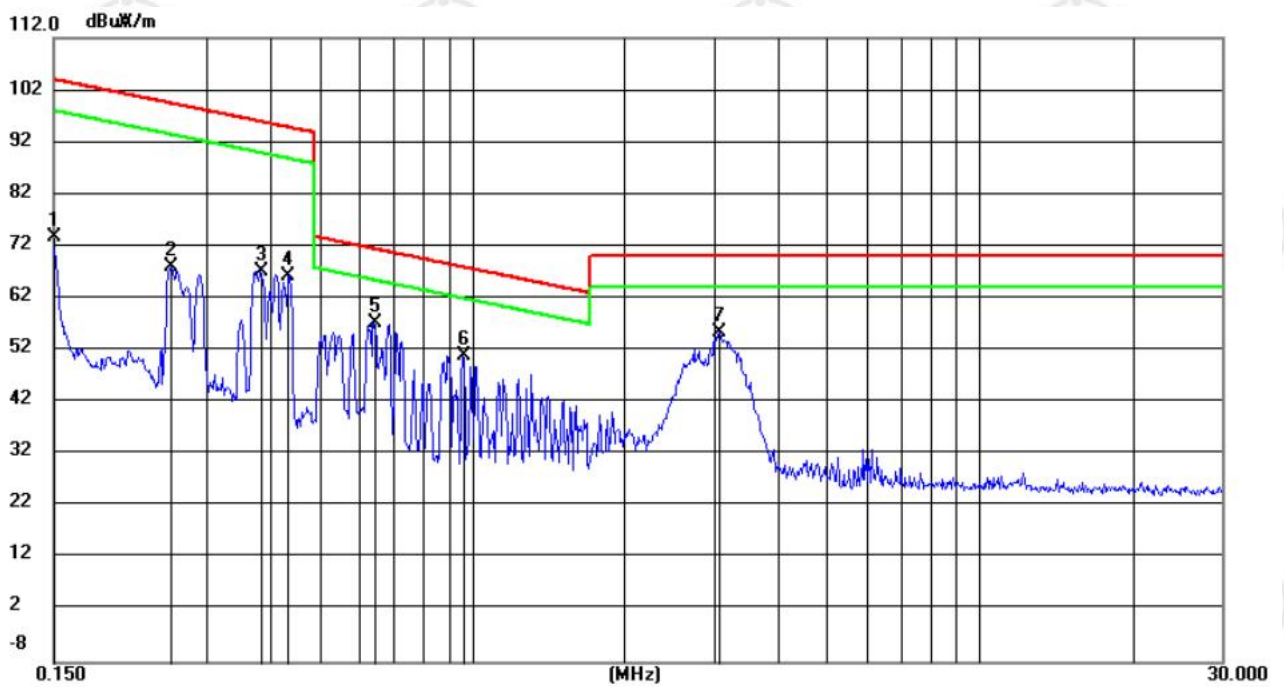


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		0.1500	52.74	20.92	73.66	104.02	-30.36	QP			
2		0.2548	47.09	21.03	68.12	99.44	-31.32	QP			
3		0.3832	46.48	20.78	67.26	95.92	-28.66	QP			
4		0.4351	45.50	20.68	66.18	94.83	-28.65	QP			
5	*	0.6406	36.81	20.54	57.35	71.48	-14.13	QP			
6		0.9582	30.35	20.49	50.84	67.99	-17.15	QP			
7		3.0738	34.95	20.41	55.36	70.00	-14.64	QP			

Remark:

1. According to ANSI C63.10-2013 chapter 6.4.6, we tested the parallel, perpendicular, and ground-parallel of loop antenna, and recorded the worst parallel data of loop antenna in the report.
2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading - Correct Factor
 Correct Factor = Pre-amplifier Factor - Antenna Factor - Cable Factor

Measurement Data (Mode e):



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	0.1500	52.74	20.92	73.66	104.02	-30.36	QP			
2	0.2548	47.09	21.03	68.12	99.44	-31.32	QP			
3	0.3832	46.48	20.78	67.26	95.92	-28.66	QP			
4	0.4351	45.50	20.68	66.18	94.83	-28.65	QP			
5 *	0.6406	36.81	20.54	57.35	71.48	-14.13	QP			
6	0.9582	30.35	20.49	50.84	67.99	-17.15	QP			
7	3.0738	34.95	20.41	55.36	70.00	-14.64	QP			

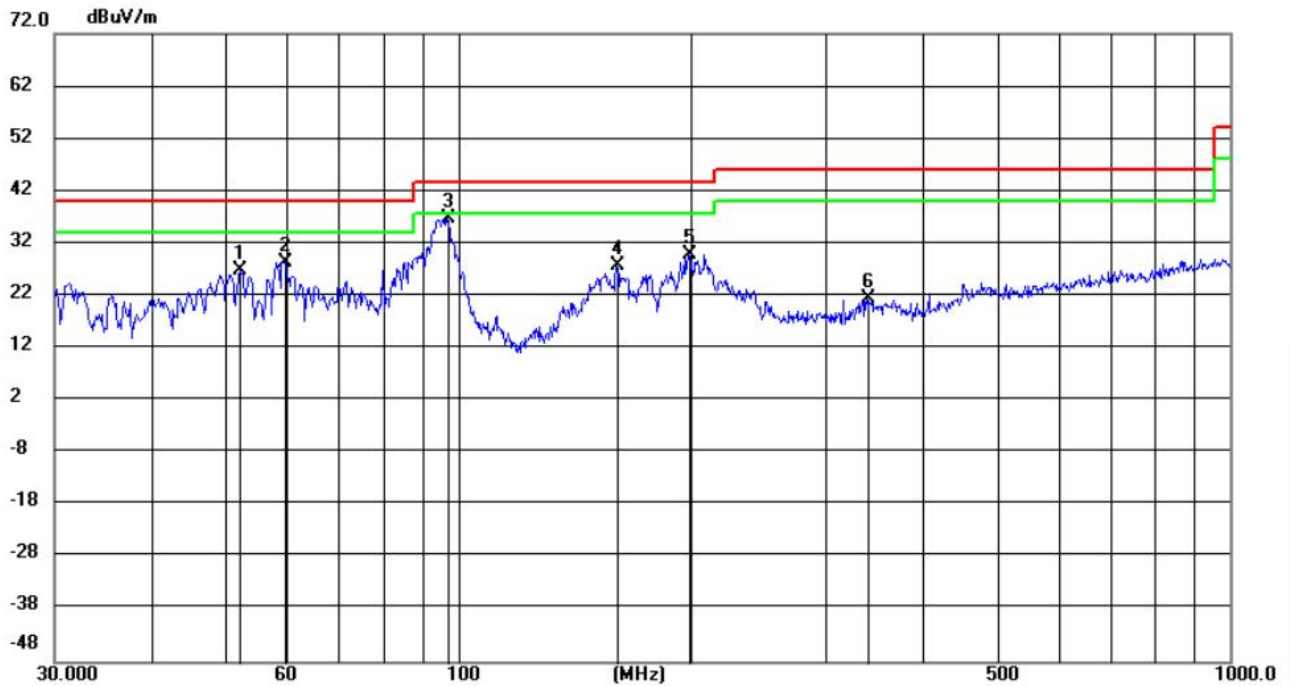
Remark:

1. According to ANSI C63.10-2013 chapter 6.4.6, we tested the parallel, perpendicular, and ground-parallel of loop antenna, and recorded the worst parallel data of loop antenna in the report.
2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading - Correct Factor
 Correct Factor = Pre-amplifier Factor - Antenna Factor - Cable Factor

30MHz-1GHz:

Measurement Data (Mode a):

Polarization: Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		52.2078	12.73	13.98	26.71	40.00	-13.29	QP 100	280	
2		59.6284	15.16	13.31	28.47	40.00	-11.53	QP 100	248	
3	*	97.0127	23.59	13.10	36.69	43.50	-6.81	QP 200	270	
4		160.7679	17.45	10.40	27.85	43.50	-15.65	QP 100	312	
5		199.0760	17.14	12.68	29.82	43.50	-13.68	QP 100	354	
6		338.5187	3.91	17.43	21.34	46.00	-24.66	QP 200	238	

Remark:

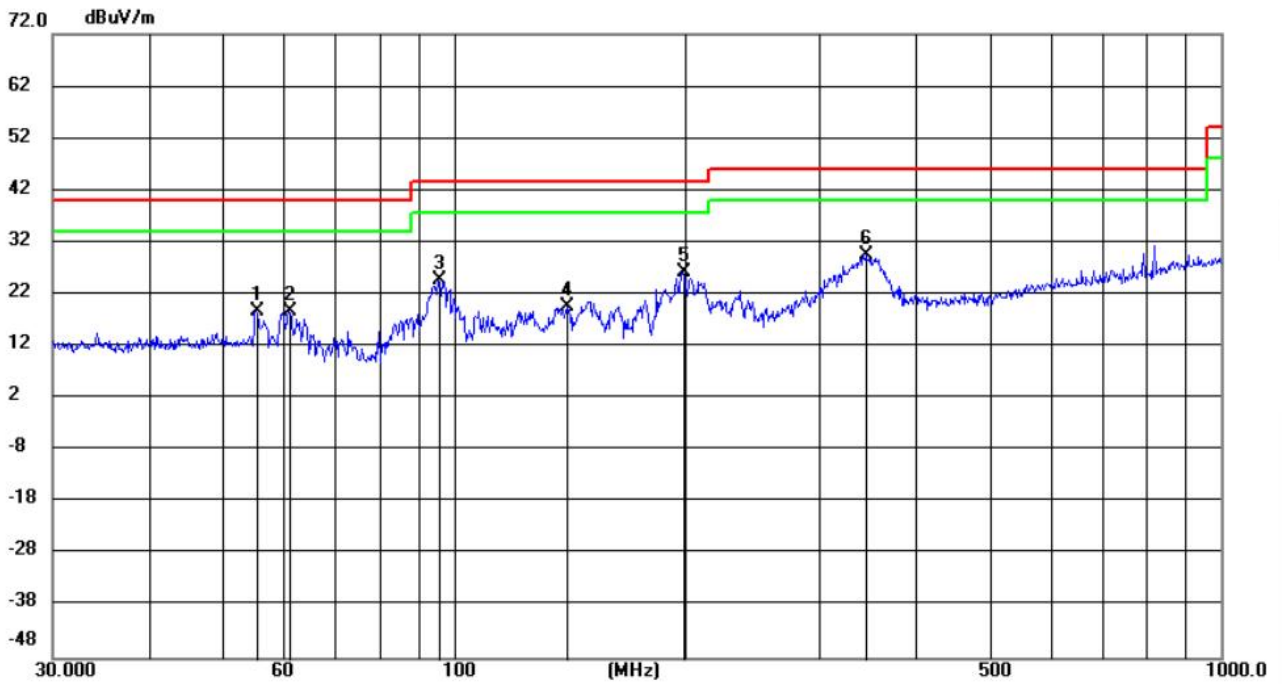
1.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode a):

Polarization: Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	55.2982	4.92	13.69	18.61	40.00	-21.39	QP	100	0	
2	61.0458	5.87	13.01	18.88	40.00	-21.12	QP	100	332	
3	95.6447	11.72	12.90	24.62	43.50	-18.88	QP	200	342	
4	140.4405	10.05	9.59	19.64	43.50	-23.86	QP	100	208	
5	199.1109	13.56	12.68	26.24	43.50	-17.26	QP	100	30	
6 *	345.2318	12.02	17.57	29.59	46.00	-16.41	QP	200	218	

Remark:

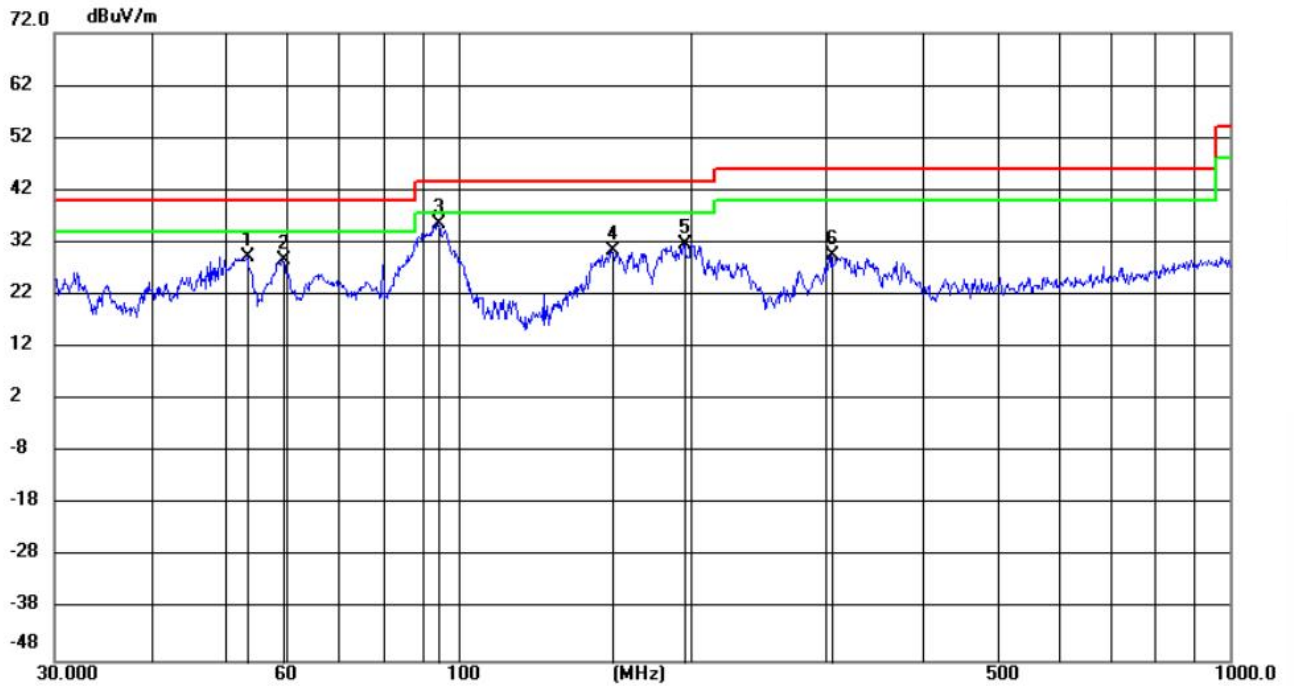
1.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode b):

Polarization: Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		53.3272	15.46	13.87	29.33	40.00	-10.67	QP 200	112	
2		59.3259	15.38	13.33	28.71	40.00	-11.29	QP 100	345	
3	*	94.2960	22.96	12.69	35.65	43.50	-7.85	QP 100	334	
4		158.2510	20.32	10.19	30.51	43.50	-12.99	QP 200	303	
5		196.5787	19.08	12.60	31.68	43.50	-11.82	QP 100	324	
6		305.3585	12.71	16.78	29.49	46.00	-16.51	QP 100	334	

Remark:

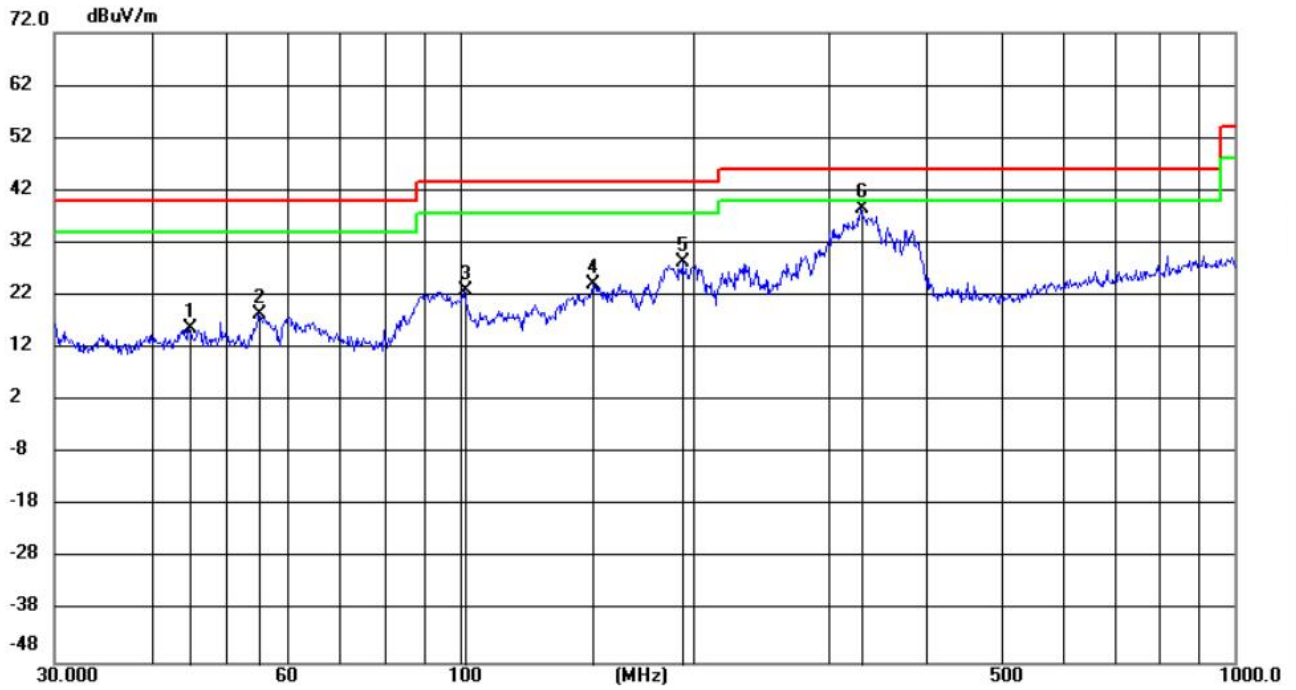
1. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

Measurement Data (Mode b):

Polarization: Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		44.8769	1.79	14.08	15.87	40.00	-24.13	QP	100	184	
2		55.1917	4.63	13.71	18.34	40.00	-21.66	QP	200	300	
3		101.5374	9.39	13.47	22.86	43.50	-20.64	QP	200	352	
4		148.7537	14.45	9.69	24.14	43.50	-19.36	QP	100	227	
5		194.0788	15.83	12.52	28.35	43.50	-15.15	QP	100	237	
6	*	329.5009	21.16	17.26	38.42	46.00	-7.58	QP	100	237	

Remark:

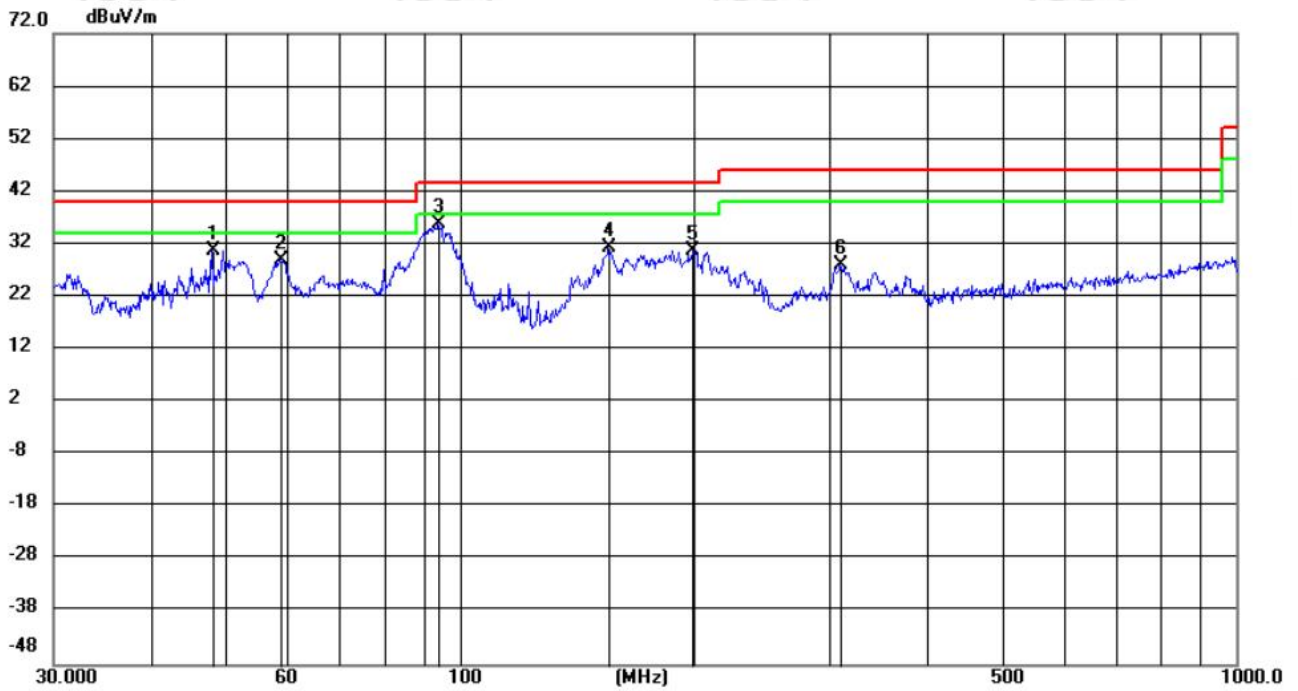
1.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode c):

Polarization: Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		48.0529	16.65	14.14	30.79	40.00	-9.21	QP 100	228	
2		58.8185	15.69	13.37	29.06	40.00	-10.94	QP 200	291	
3	*	93.9824	23.32	12.65	35.97	43.50	-7.53	QP 200	291	
4		155.4459	21.24	10.02	31.26	43.50	-12.24	QP 100	334	
5		199.9855	18.15	12.71	30.86	43.50	-12.64	QP 100	323	
6		309.0751	11.33	16.85	28.18	46.00	-17.82	QP 100	355	

Remark:

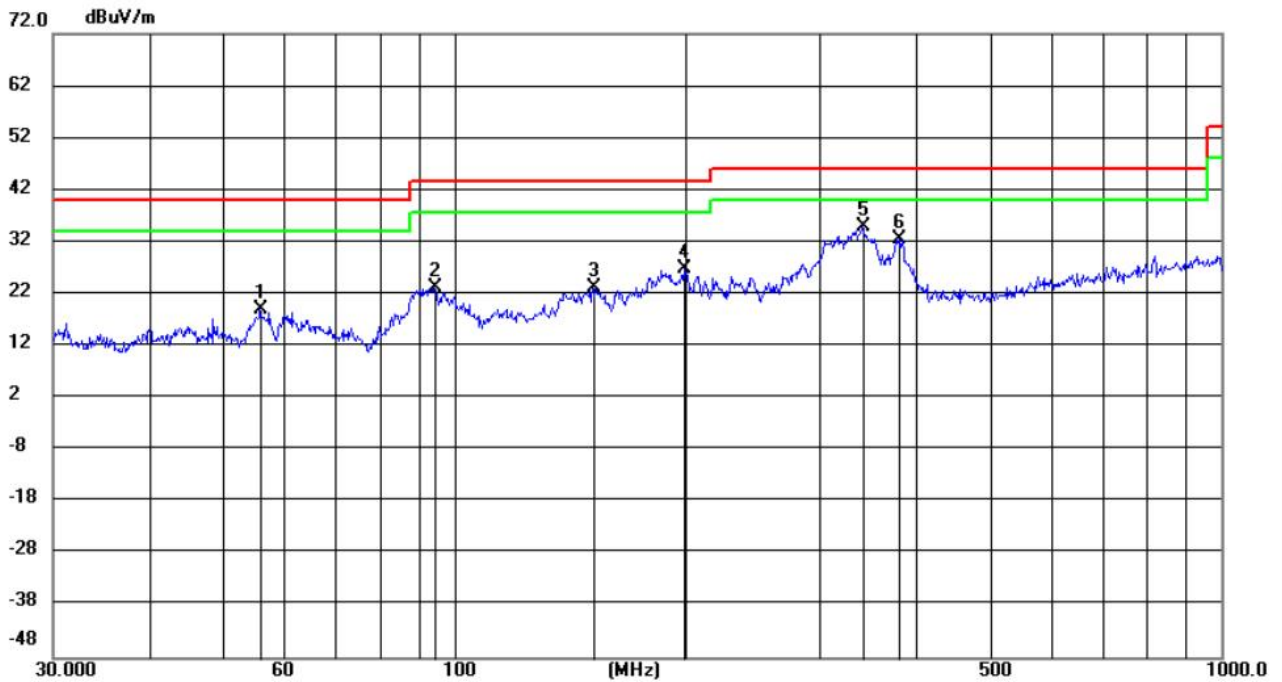
1. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

Measurement Data (Mode c):

Polarization: Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		55.9909	5.30	13.63	18.93	40.00	-21.07	QP 100	289	
2		94.1474	10.62	12.67	23.29	43.50	-20.21	QP 100	341	
3		152.0231	13.56	9.82	23.38	43.50	-20.12	QP 100	226	
4		199.8454	14.18	12.70	26.88	43.50	-16.62	QP 100	215	
5	*	341.7989	17.31	17.50	34.81	46.00	-11.19	QP 200	258	
6		380.7143	14.37	18.27	32.64	46.00	-13.36	QP 200	58	

Remark:

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

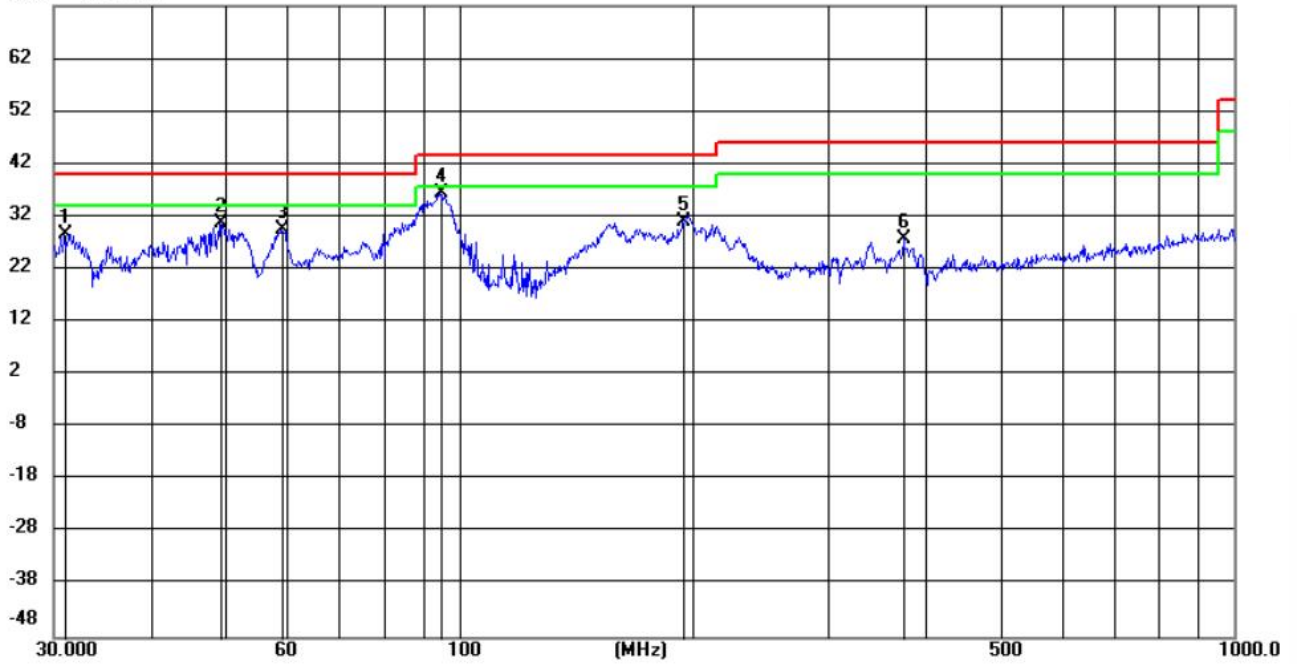
Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode d):

Polarization: Horizontal

72.0 dBuV/m



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		30.9727	15.93	12.80	28.73	40.00	-11.27	QP 100	7	
2		49.2384	16.61	14.16	30.77	40.00	-9.23	QP 100	346	
3		59.0976	16.34	13.35	29.69	40.00	-10.31	QP 100	282	
4	*	94.5443	23.65	12.74	36.39	43.50	-7.11	QP 100	282	
5		194.9655	18.49	12.55	31.04	43.50	-12.46	QP 200	314	
6		375.6749	9.59	18.18	27.77	46.00	-18.23	QP 200	356	

Remark:

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

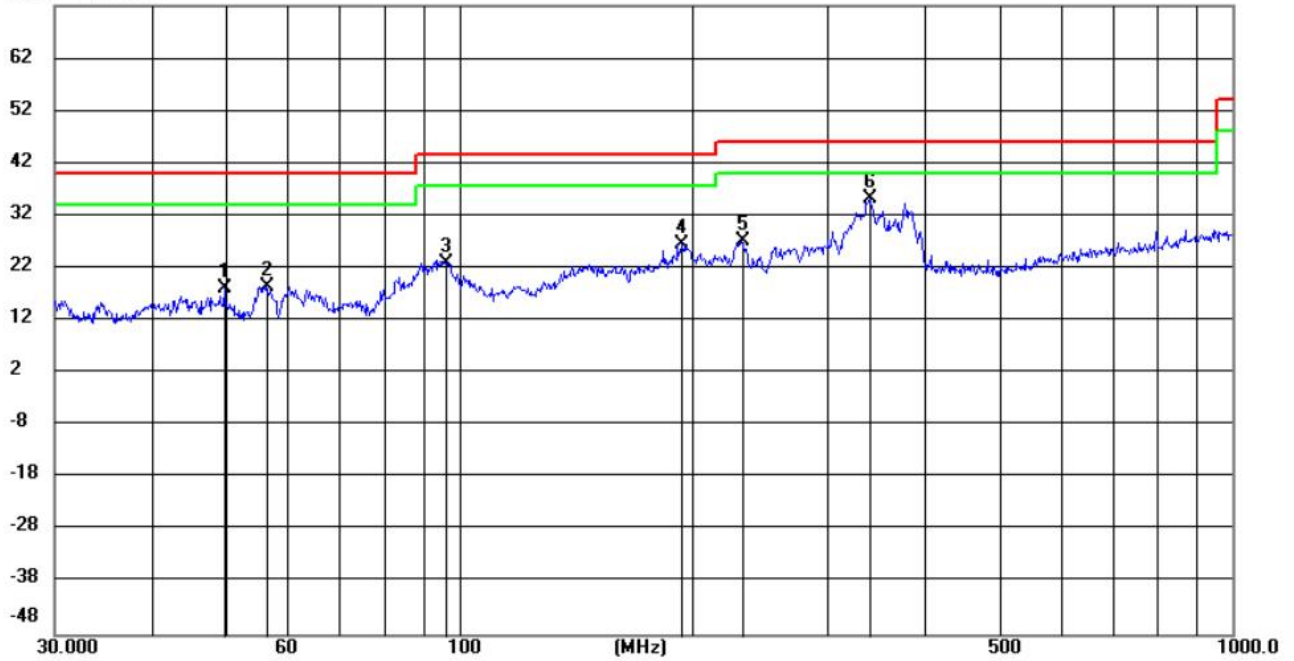
Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode d):

Polarization: Vertical

72.0 dBuV/m



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Detector	Comment
1		49.7417	3.86	14.17	18.03	40.00	-21.97	100	216	QP	
2		56.2862	4.97	13.60	18.57	40.00	-21.43	100	206	QP	
3		96.2335	9.96	12.98	22.94	43.50	-20.56	100	352	QP	
4		194.1128	14.10	12.52	26.62	43.50	-16.88	200	258	QP	
5		231.7585	13.19	13.97	27.16	46.00	-18.84	100	237	QP	
6	*	340.7218	17.73	17.48	35.21	46.00	-10.79	200	58	QP	

Remark:

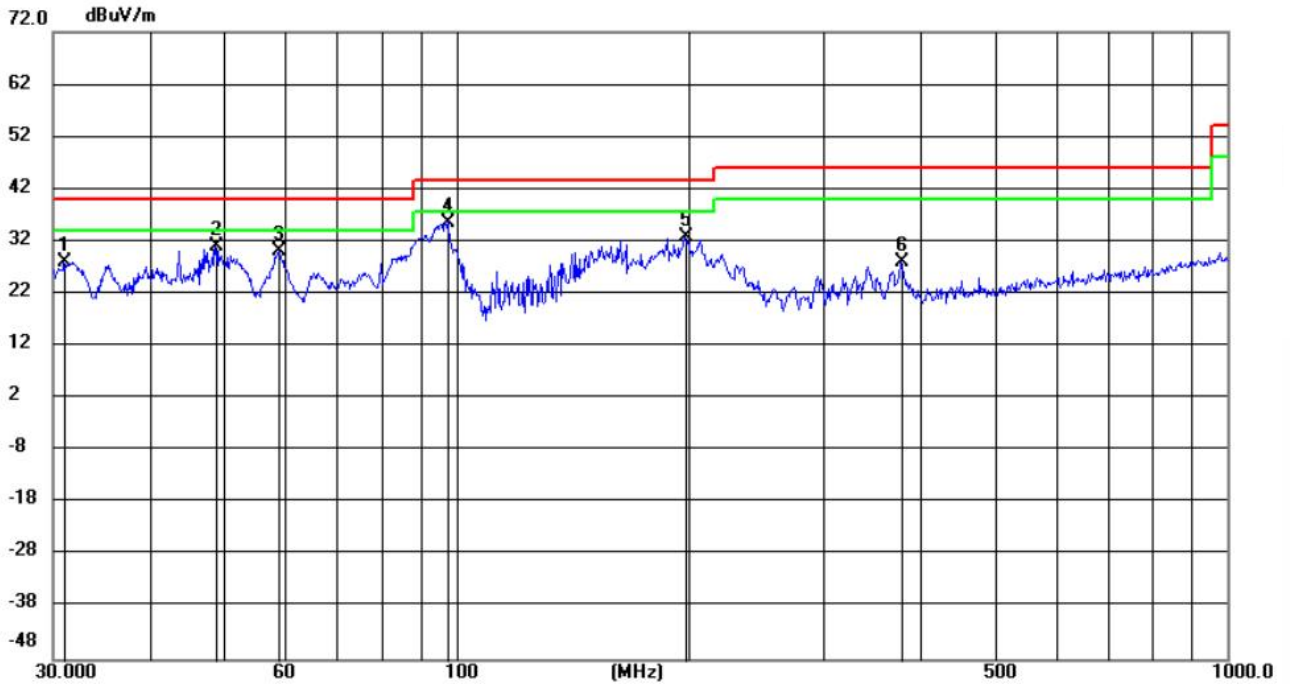
1.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode e):

Polarization: Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		31.0107	15.22	12.80	28.02	40.00	-11.98	QP	100	113	
2		48.7829	16.81	14.14	30.95	40.00	-9.05	QP	100	360	
3		58.9113	16.78	13.37	30.15	40.00	-9.85	QP	200	307	
4	*	97.5756	22.51	13.19	35.70	43.50	-7.80	QP	100	285	
5		198.2053	20.30	12.65	32.95	43.50	-10.55	QP	200	307	
6		377.9873	9.75	18.23	27.98	46.00	-18.02	QP	100	360	

Remark:

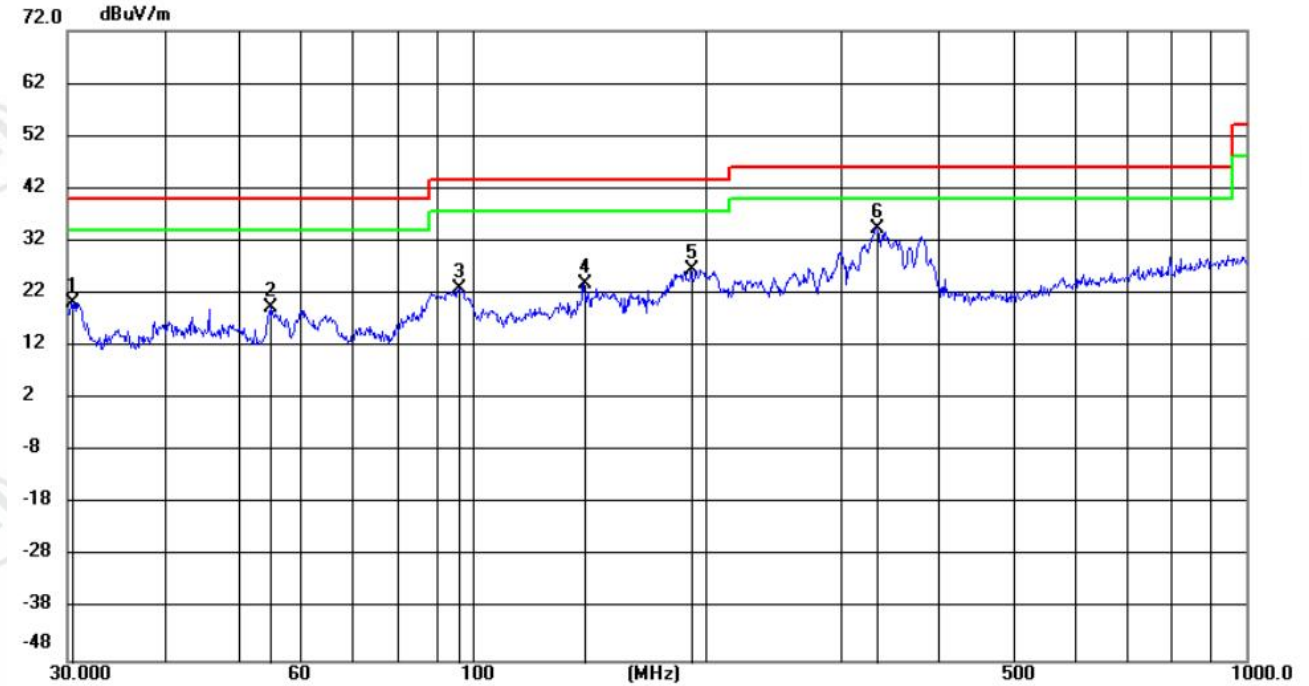
1.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode e):

Polarization: Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree degree	Comment
1		30.3492	7.54	12.72	20.26	40.00	-19.74	QP 100	88	
2		55.0274	5.56	13.72	19.28	40.00	-20.72	QP 100	88	
3		96.2841	9.89	12.99	22.88	43.50	-20.62	QP 100	352	
4		139.5569	14.30	9.62	23.92	43.50	-19.58	QP 100	246	
5		192.0142	14.14	12.45	26.59	43.50	-16.91	QP 200	46	
6	*	333.5113	17.11	17.34	34.45	46.00	-11.55	QP 200	0	

Remark:

1.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