

# TEST REPORT

**Product** : LED wireless charging desk lamp  
**Trade mark** : YUNLU, Faithorse  
**Model/Type reference** : YL-T02A  
**Serial Number** : N/A  
**Report Number** : EED32Q81038901  
**FCC ID** : 2BDTY-YLT0102  
**Date of Issue** : Oct. 12, 2024  
**Test Standards** : 47 CFR Part 15 Subpart C  
**Test result** : PASS

Prepared for:

**Foshan Yunlu Lighting**  
**No. 1, Jiebei Road, Nanhai National Eco-industrial Zone, Danzao Town,**  
**Nanhai District, Foshan City,**  
**Guangdong Province, P. R.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:

*Zhenxia Wen*

Zhenxia Wen

Approved by:

*Aaron Ma*

Aaron Ma

Reviewed by:

*Frazer Li*

Frazer Li

Date:

Oct. 12, 2024



Check No.: 7157180724

## 1 Version

Version No.	Date	Description
00	Oct. 12, 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.

## 3 Contents

<b>1 VERSION</b> .....	<b>2</b>
<b>2 TEST SUMMARY</b> .....	<b>3</b>
<b>3 CONTENTS</b> .....	<b>4</b>
<b>4 GENERAL INFORMATION</b> .....	<b>5</b>
4.1 CLIENT INFORMATION .....	5
4.2 GENERAL DESCRIPTION OF EUT .....	5
4.3 TEST ENVIRONMENT AND MODE .....	6
4.4 DESCRIPTION OF SUPPORT UNITS .....	7
4.5 TEST LOCATION .....	7
4.6 DEVIATION FROM STANDARDS .....	7
4.7 ABNORMALITIES FROM STANDARD CONDITIONS .....	7
4.8 OTHER INFORMATION REQUESTED BY THE CUSTOMER .....	7
4.9 MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2) .....	8
<b>5 EQUIPMENT LIST</b> .....	<b>9</b>
<b>6 TEST RESULTS AND MEASUREMENT DATA</b> .....	<b>11</b>
6.1 ANTENNA REQUIREMENT .....	11
6.2 CONDUCTED EMISSIONS .....	12
6.3 RADIATED EMISSIONS .....	29
<b>APPENDIX 1 PHOTOGRAPHS OF TEST SETUP</b> .....	<b>63</b>
<b>APPENDIX 2 PHOTOGRAPHS OF EUT</b> .....	<b>65</b>

## 4 General Information

### 4.1 Client Information

Applicant:	Foshan Yunlu Lighting Factory
Address of Applicant:	No. 1, Jiebei Road, Nanhai National Eco-industrial Zone, Danzao Town, Nanhai District, Foshan City, Guangdong Province, P. R.China
Manufacturer:	Foshan Yunlu Lighting Factory
Address of Manufacturer:	No. 1, Jiebei Road, Nanhai National Eco-industrial Zone, Danzao Town, Nanhai District, Foshan City, Guangdong Province, P. R.China
Factory:	Foshan Yunlu Lighting Factory
Address of Factory:	No. 1, Jiebei Road, Nanhai National Eco-industrial Zone, Danzao Town, Nanhai District, Foshan City, Guangdong Province, P. R.China

### 4.2 General Description of EUT

Product Name:	LED wireless charging desk lamp
Model No.(EUT):	YL-T02A
Trade Mark:	YUNLU, Faithorse
Device type:	Desktop applications device
Frequency Range:	110kHz-148kHz
Modulation Type:	ASK
Antenna Type:	Coil antenna
Power Supply:	Model: SA241D-240100U INPUT:100~240V,50/60Hz 0.8A Max OUTPUT:24V/1A
	Model: XY24SR-240100VQ-UNIT INPUT:100~240V,50/60Hz 0.6A Max OUTPUT:24V/1A
Test Power Grade:	Default
Test Software of EUT:	RF test
Sample Received Date:	Jul. 19, 2024
Sample tested Date:	Jul. 23, 2024 to Aug. 02, 2024

**4.3 Test Environment and Mode**

<b>Operating Environment:</b>	
<b>Radiated Spurious Emissions:</b>	
Temperature:	22~25.0 °C
Humidity:	50~55 % RH
Atmospheric Pressure:	1010mbar
<b>Conducted Emissions:</b>	
Temperature:	22~25.0 °C
Humidity:	50~55 % RH
Atmospheric Pressure:	1010mbar
<b>Test mode: Transmitting mode</b>	
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(Full load)(Connect to adapter)
<b>Note:</b>	
1.Wireless output:5W (maximum wireless output 5W during charging)	



#### 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 module	YBZ	/	FCC ID and DOC	Client

#### 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	$7.9 \times 10^{-8}$
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	Cal. Due date
				(mm-dd-yyyy)	(mm-dd-yyyy)
Receiver	R&S	ESCI	100435	04-18-2024	04-17-2025
Temperature/ Humidity Indicator	Defu	TH128	/	04-25-2024	04-24-2025
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	06-18-2024	06-17-2025
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	Due Date
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	07/18/2024	07/17/2025
TRILOG Broadband Antenna	schwarzbeck	VULB 9163	9163-618	05/22/2022	05/21/2025
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04/16/2024	04/15/2025
Microwave Preampifier	Tonscend	EMC051845SE	980380	12/14/2023	12/13/2024
Horn Antenna	A.H.SYSTEM S	SAS-574	374	07/02/2023	07/01/2026
Horn Antenna	ETS-LINGREN	BBHA 9120D	9120D-1869	04/16/2024	04/15/2025
Preampifier	Agilent	11909A	12-1	03/22/2024	03/21/2025
Preampifier	CD	PAP-1840-60	6041.6042	06/19/2024	06/18/2025
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

<b>Standard requirement:</b>	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.	
<b>EUT Antenna:</b>	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:**

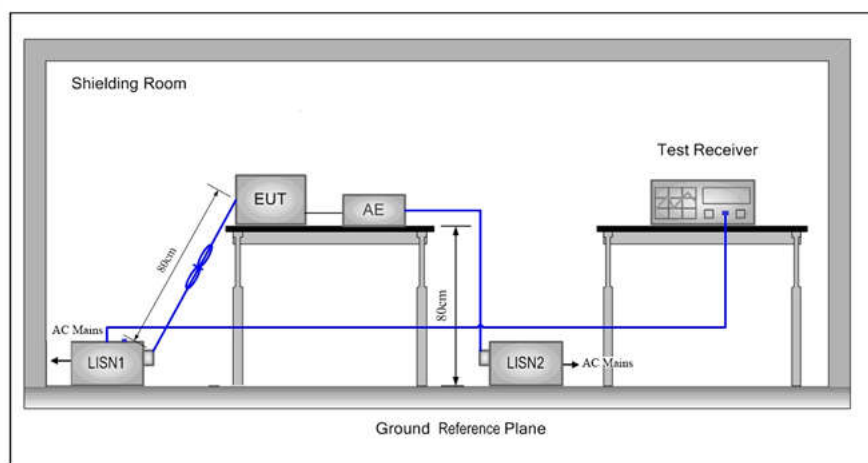
Frequency range (MHz)	Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\* 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:**



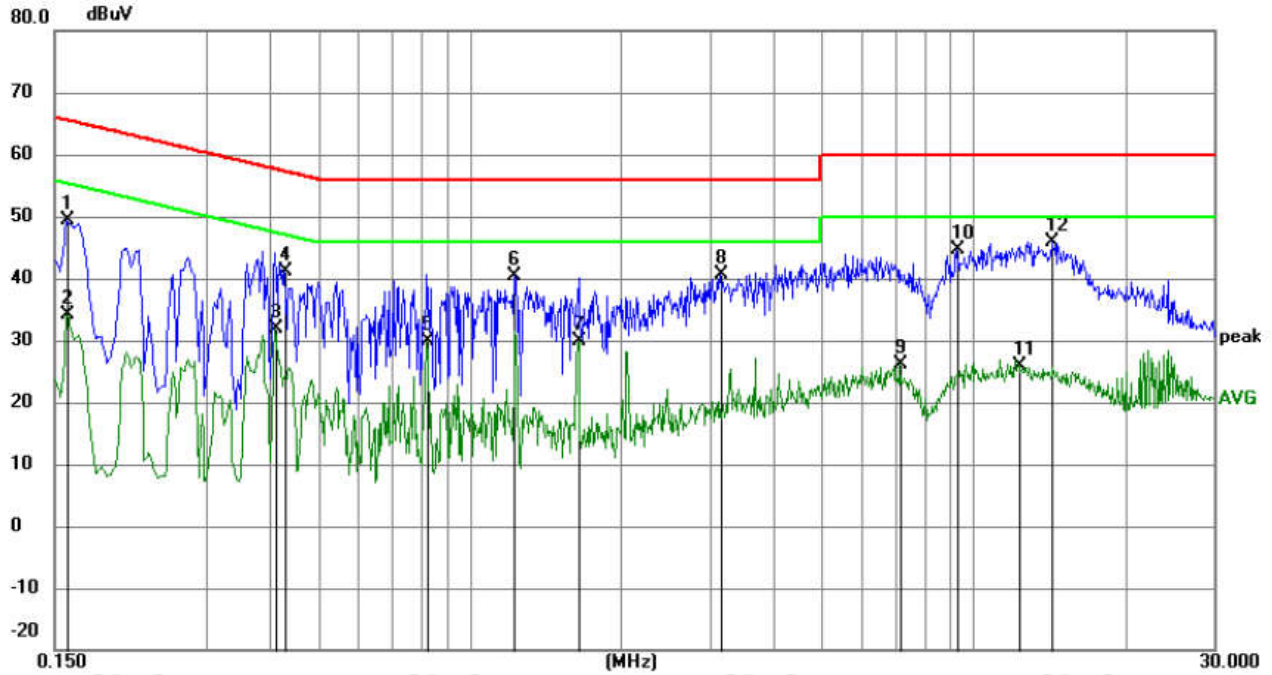
**Test Mode:** Transmitting mode, refer to section 4.3

**Test Results:** Pass

Adapter Model: SA241D-240100U

Measurement Data (Mode a):

Live line:



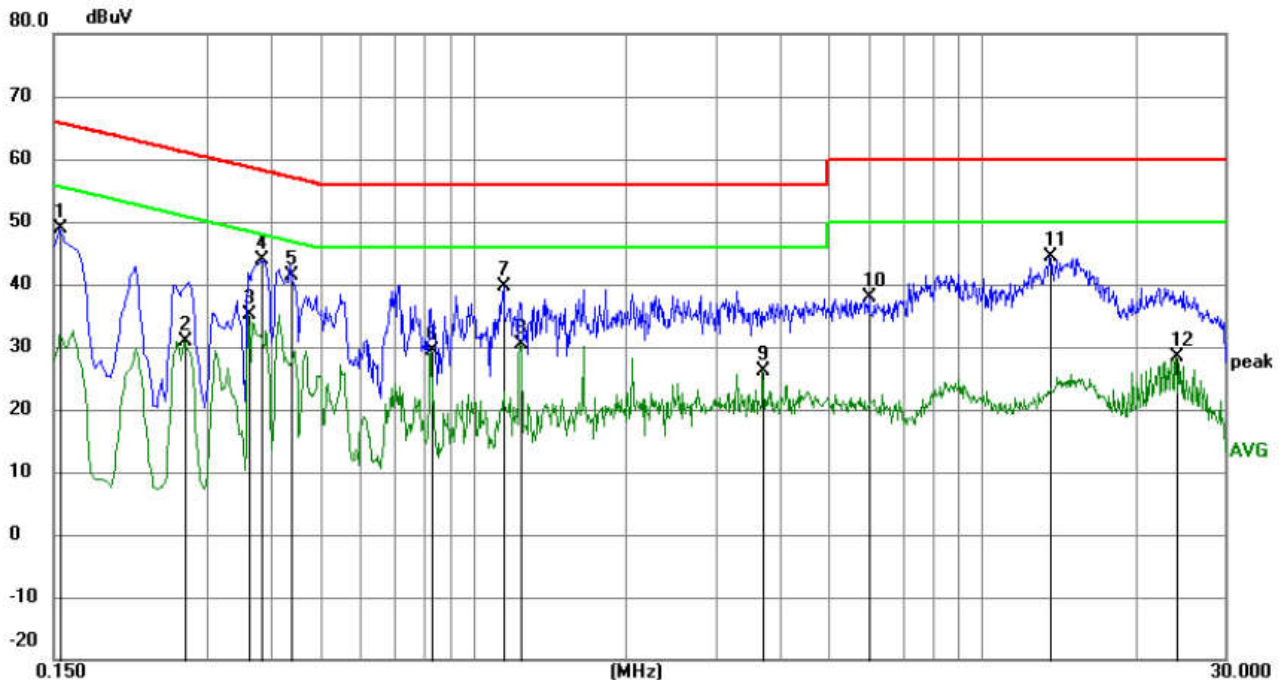
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1590	39.54	9.88	49.42	65.52	-16.10	QP	
2		0.1590	24.28	9.88	34.16	55.52	-21.36	AVG	
3		0.4110	21.99	9.79	31.78	47.63	-15.85	AVG	
4		0.4290	31.39	9.79	41.18	57.27	-16.09	QP	
5		0.8250	20.18	9.79	29.97	46.00	-16.03	AVG	
6		1.2255	30.74	9.74	40.48	56.00	-15.52	QP	
7		1.6485	20.20	9.75	29.95	46.00	-16.05	AVG	
8		3.1470	30.83	9.78	40.61	56.00	-15.39	QP	
9		7.1700	16.31	9.85	26.16	50.00	-23.84	AVG	
10		9.2850	34.79	9.83	44.62	60.00	-15.38	QP	
11		12.3720	16.14	9.84	25.98	50.00	-24.02	AVG	
12	*	14.3520	35.98	9.85	45.83	60.00	-14.17	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.



Neutral line:



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1545	38.98	9.87	48.85	65.75	-16.90	QP	
2		0.2714	21.31	9.65	30.96	51.07	-20.11	AVG	
3	*	0.3615	25.52	9.69	35.21	48.69	-13.48	AVG	
4		0.3840	34.02	9.75	43.77	58.19	-14.42	QP	
5		0.4397	31.65	9.79	41.44	57.07	-15.63	QP	
6		0.8295	19.68	9.79	29.47	46.00	-16.53	AVG	
7		1.1490	29.79	9.74	39.53	56.00	-16.47	QP	
8		1.2390	20.60	9.74	30.34	46.00	-15.66	AVG	
9		3.7185	16.42	9.80	26.22	46.00	-19.78	AVG	
10		6.0135	27.94	9.84	37.78	60.00	-22.22	QP	
11		13.5915	34.47	9.84	44.31	60.00	-15.69	QP	
12		24.0180	18.48	9.94	28.42	50.00	-21.58	AVG	

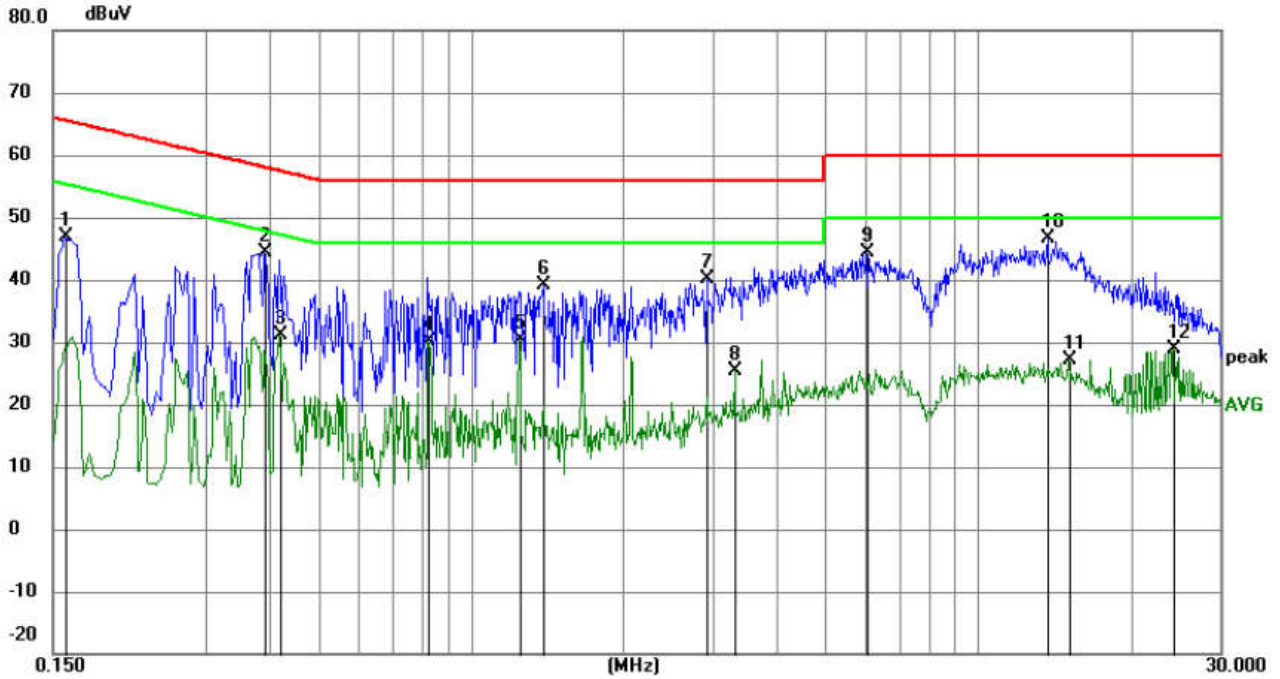
Remark:

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:

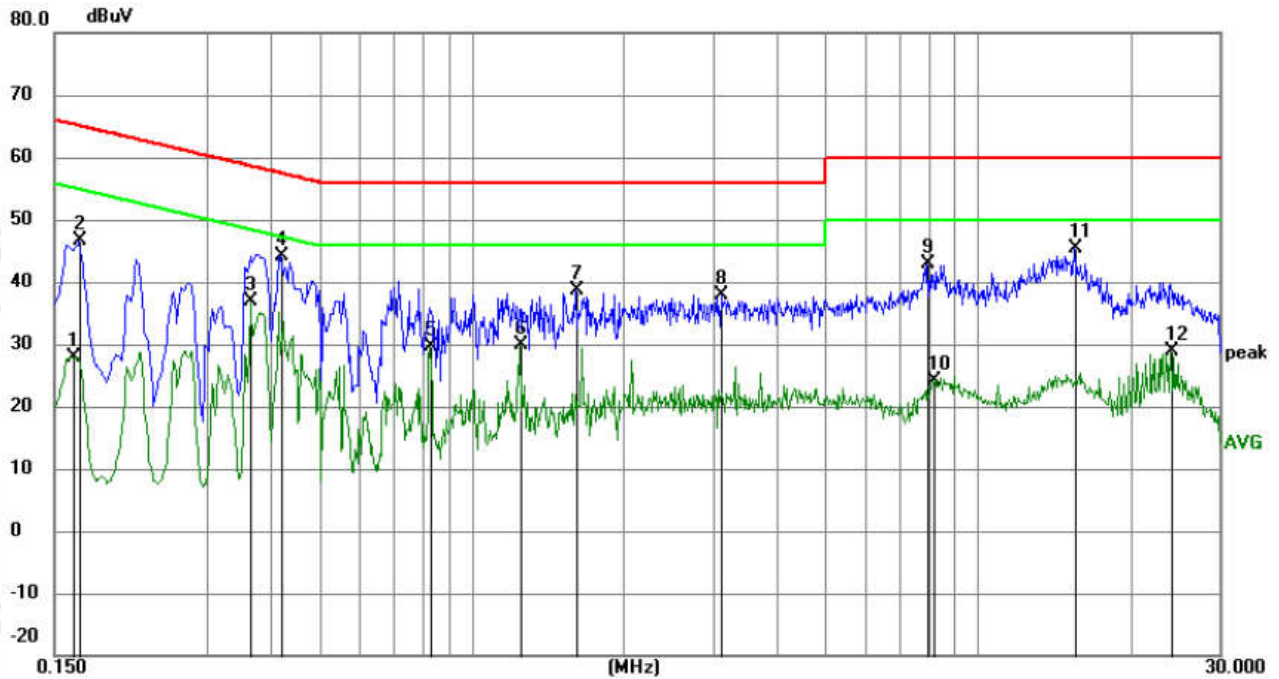


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1590	36.88	9.88	46.76	65.52	-18.76	QP	
2		0.3930	34.63	9.77	44.40	58.00	-13.60	QP	
3		0.4200	21.31	9.79	31.10	47.45	-16.35	AVG	
4		0.8250	20.41	9.79	30.20	46.00	-15.80	AVG	
5		1.2480	20.60	9.74	30.34	46.00	-15.66	AVG	
6		1.3920	29.42	9.74	39.16	56.00	-16.84	QP	
7		2.9265	30.32	9.78	40.10	56.00	-15.90	QP	
8		3.3225	15.60	9.79	25.39	46.00	-20.61	AVG	
9		6.0495	34.64	9.85	44.49	60.00	-15.51	QP	
10	*	13.7220	36.67	9.84	46.51	60.00	-13.49	QP	
11		15.0900	17.23	9.85	27.08	50.00	-22.92	AVG	
12		24.1440	19.02	9.94	28.96	50.00	-21.04	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		0.1635	18.07	9.88	27.95	55.28	-27.33	AVG	
2		0.1680	36.62	9.89	46.51	65.06	-18.55	QP	
3	*	0.3660	27.12	9.70	36.82	48.59	-11.77	AVG	
4		0.4200	34.36	9.79	44.15	57.45	-13.30	QP	
5		0.8295	19.76	9.79	29.55	46.00	-16.45	AVG	
6		1.2435	20.13	9.74	29.87	46.00	-16.13	AVG	
7		1.6080	28.88	9.75	38.63	56.00	-17.37	QP	
8		3.1155	28.15	9.78	37.93	56.00	-18.07	QP	
9		7.9485	32.98	9.84	42.82	60.00	-17.18	QP	
10		8.1915	14.18	9.84	24.02	50.00	-25.98	AVG	
11		15.4815	35.46	9.87	45.33	60.00	-14.67	QP	
12		24.0360	19.03	9.94	28.97	50.00	-21.03	AVG	

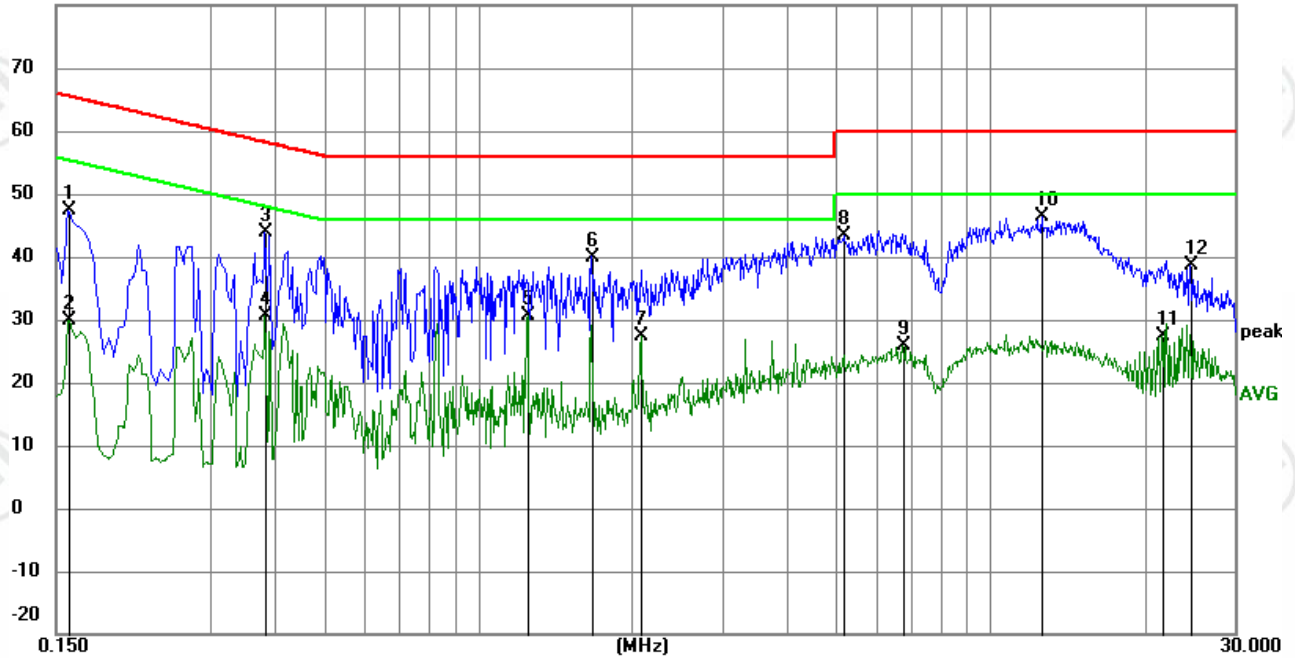
Remark:

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 c):

Live line:

80.0 dBuV



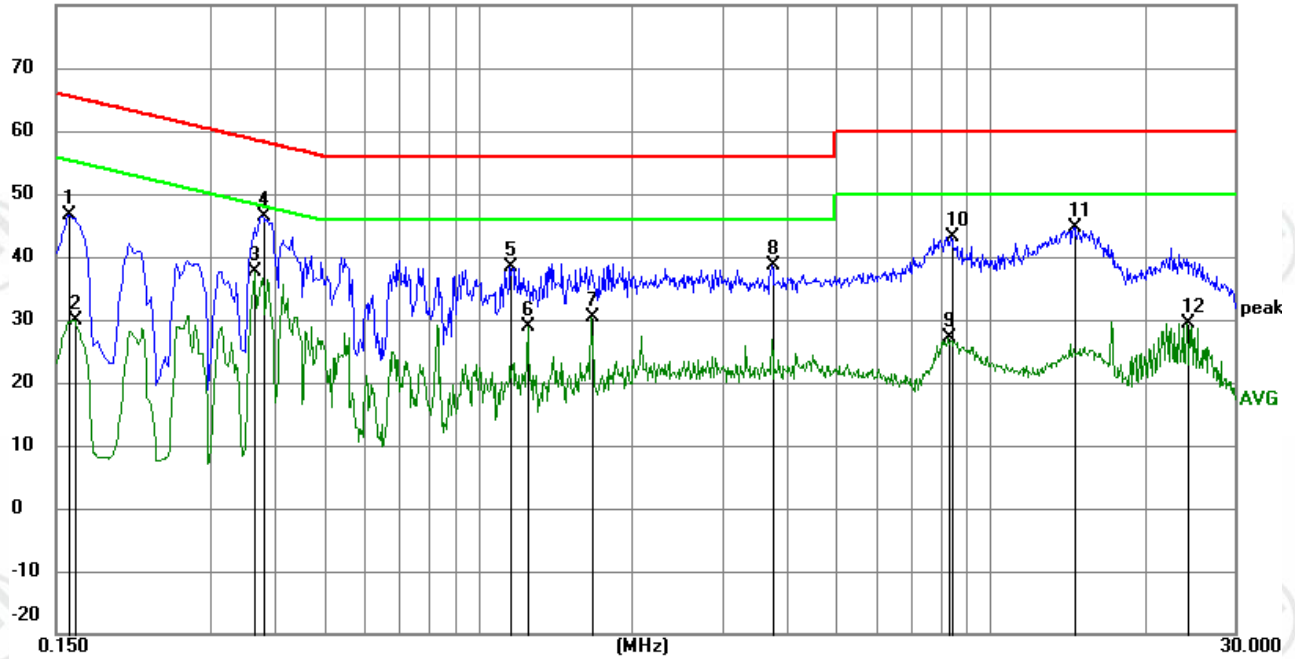
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1590	37.51	9.88	47.39	65.52	-18.13	QP	
2		0.1590	20.06	9.88	29.94	55.52	-25.58	AVG	
3		0.3840	34.11	9.75	43.86	58.19	-14.33	QP	
4		0.3840	20.82	9.75	30.57	48.19	-17.62	AVG	
5		1.2525	20.77	9.74	30.51	46.00	-15.49	AVG	
6		1.6665	30.25	9.75	40.00	56.00	-16.00	QP	
7		2.0850	17.55	9.75	27.30	46.00	-18.70	AVG	
8		5.1855	33.55	9.84	43.39	60.00	-16.61	QP	
9		6.7605	15.92	9.85	25.77	50.00	-24.23	AVG	
10	*	12.6015	36.46	9.84	46.30	60.00	-13.70	QP	
11		21.6510	17.27	10.00	27.27	50.00	-22.73	AVG	
12		24.5805	28.69	9.93	38.62	60.00	-21.38	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.

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		0.1590	36.75	9.88	46.63	65.52	-18.89	QP	
2		0.1635	19.98	9.88	29.86	55.28	-25.42	AVG	
3	*	0.3660	27.87	9.70	37.57	48.59	-11.02	AVG	
4		0.3795	36.75	9.74	46.49	58.29	-11.80	QP	
5		1.1580	28.61	9.74	38.35	56.00	-17.65	QP	
6		1.2525	19.25	9.74	28.99	46.00	-17.01	AVG	
7		1.6710	20.66	9.75	30.41	46.00	-15.59	AVG	
8		3.7455	28.94	9.80	38.74	56.00	-17.26	QP	
9		8.2995	17.22	9.84	27.06	50.00	-22.94	AVG	
10		8.3940	33.27	9.84	43.11	60.00	-16.89	QP	
11		14.5455	34.67	9.85	44.52	60.00	-15.48	QP	
12		24.2430	19.53	9.93	29.46	50.00	-20.54	AVG	

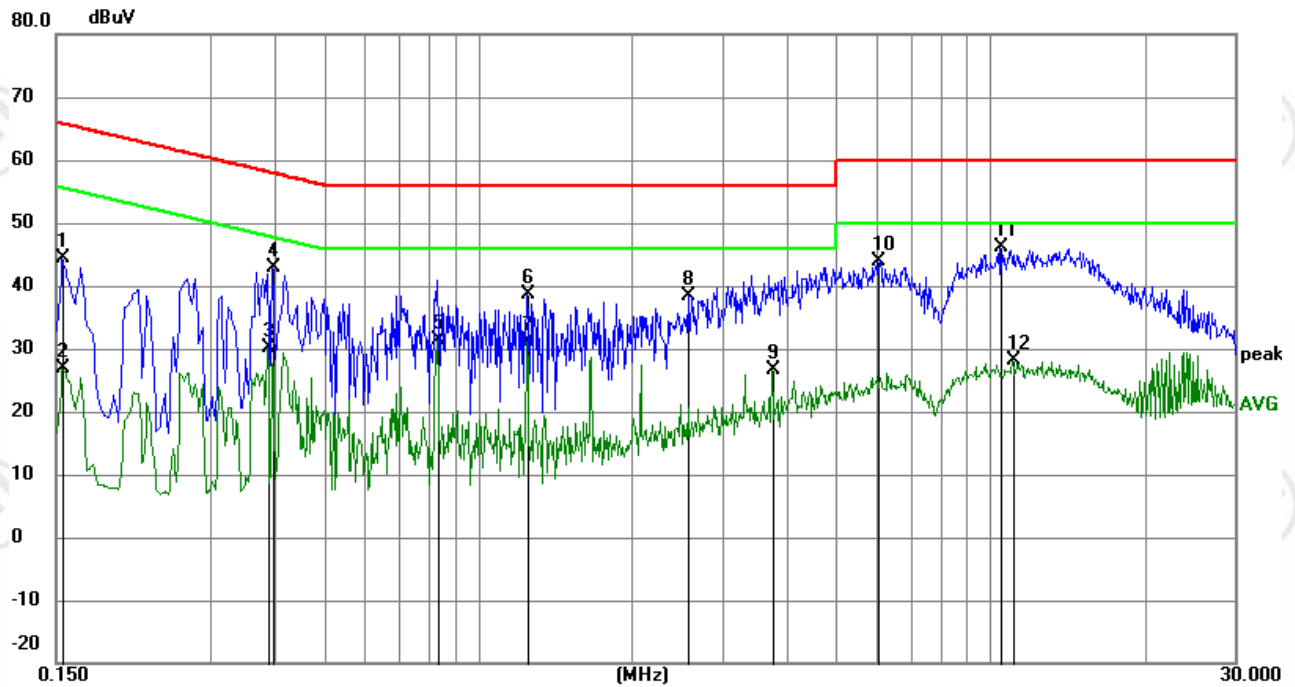
Remark:

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 d):

Live line:



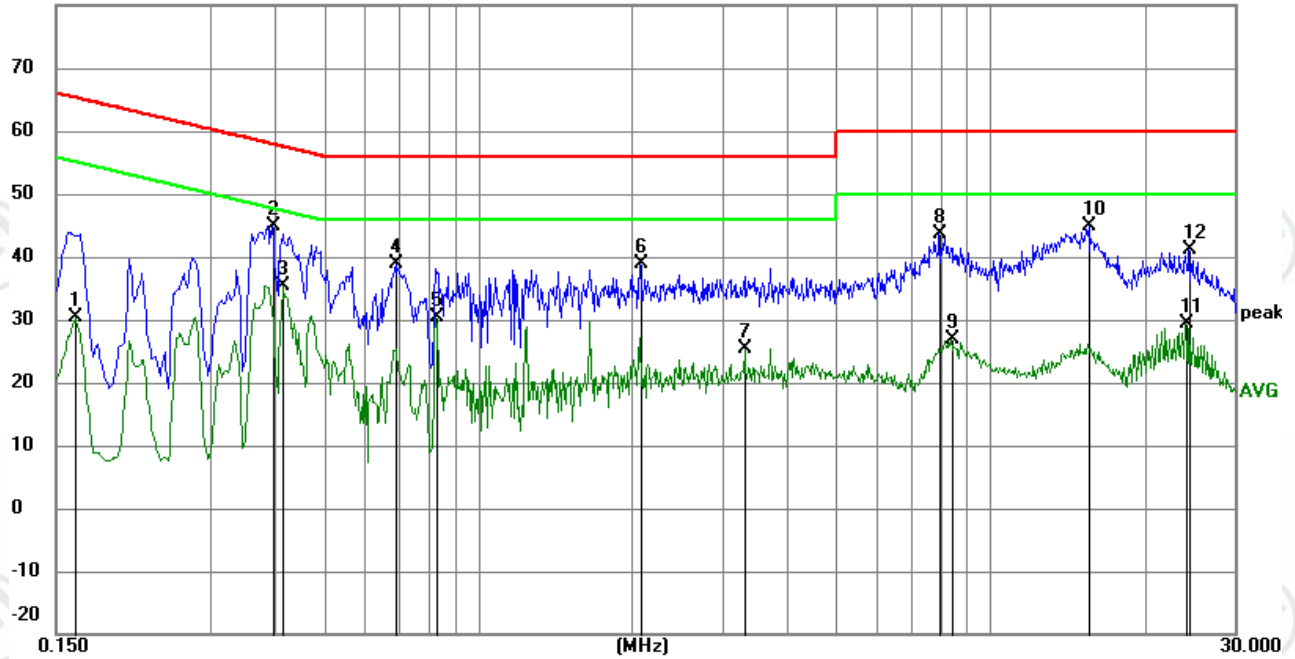
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1545	34.50	9.87	44.37	65.75	-21.38	QP	
2		0.1545	16.98	9.87	26.85	55.75	-28.90	AVG	
3		0.3885	20.45	9.76	30.21	48.10	-17.89	AVG	
4		0.3975	32.99	9.78	42.77	57.91	-15.14	QP	
5		0.8340	21.53	9.79	31.32	46.00	-14.68	AVG	
6		1.2480	28.81	9.74	38.55	56.00	-17.45	QP	
7		1.2480	21.45	9.74	31.19	46.00	-14.81	AVG	
8		2.5755	28.64	9.77	38.41	56.00	-17.59	QP	
9		3.7455	16.75	9.80	26.55	46.00	-19.45	AVG	
10		6.0495	34.04	9.85	43.89	60.00	-16.11	QP	
11	*	10.4865	36.38	9.83	46.21	60.00	-13.79	QP	
12		11.0535	18.31	9.83	28.14	50.00	-21.86	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	0.1635	20.41	9.88	30.29	55.28	-24.99	AVG	
2	0.3975	35.12	9.78	44.90	57.91	-13.01	QP	
3 *	0.4155	25.66	9.79	35.45	47.54	-12.09	AVG	
4	0.6900	28.86	9.96	38.82	56.00	-17.18	QP	
5	0.8295	20.57	9.79	30.36	46.00	-15.64	AVG	
6	2.0715	29.03	9.75	38.78	56.00	-17.22	QP	
7	3.3180	15.65	9.79	25.44	46.00	-20.56	AVG	
8	7.9395	33.68	9.84	43.52	60.00	-16.48	QP	
9	8.3805	17.01	9.84	26.85	50.00	-23.15	AVG	
10	15.6165	34.95	9.87	44.82	60.00	-15.18	QP	
11	24.1035	19.33	9.94	29.27	50.00	-20.73	AVG	
12	24.4770	31.08	9.93	41.01	60.00	-18.99	QP	

Remark:

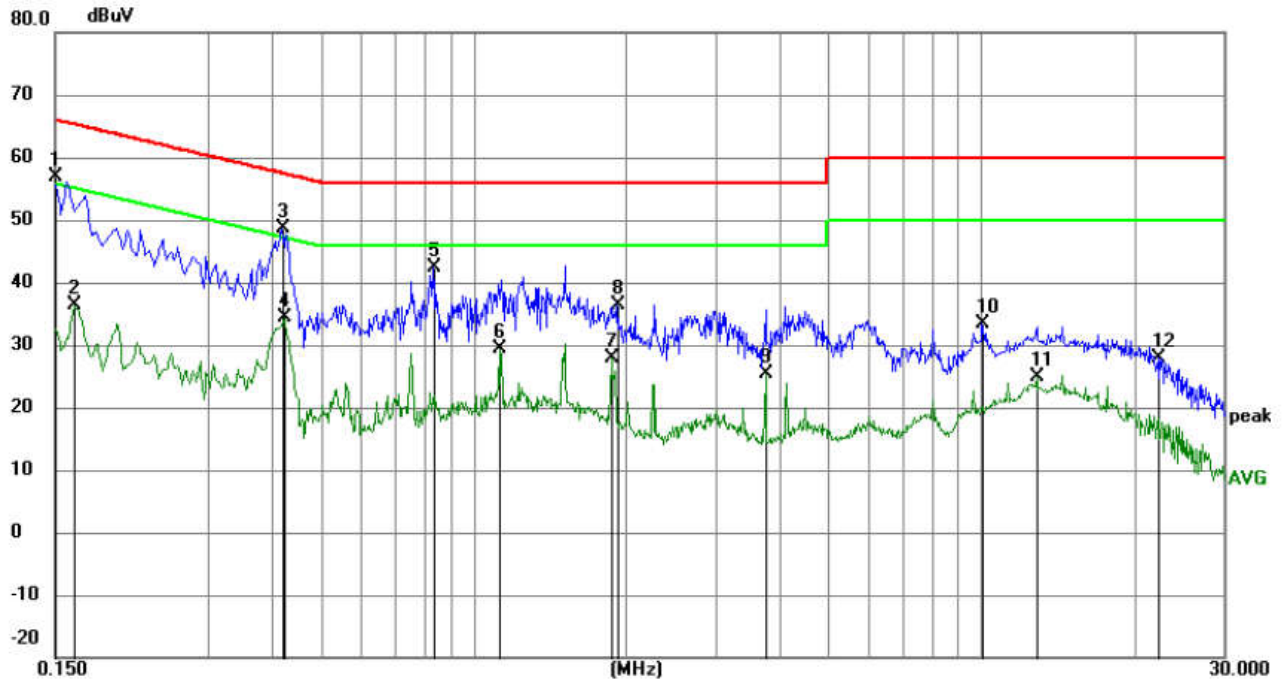
1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.



Adapter Model: XY24SR-240100VQ-UNIT

Measurement Data (Mode a):

Live line:

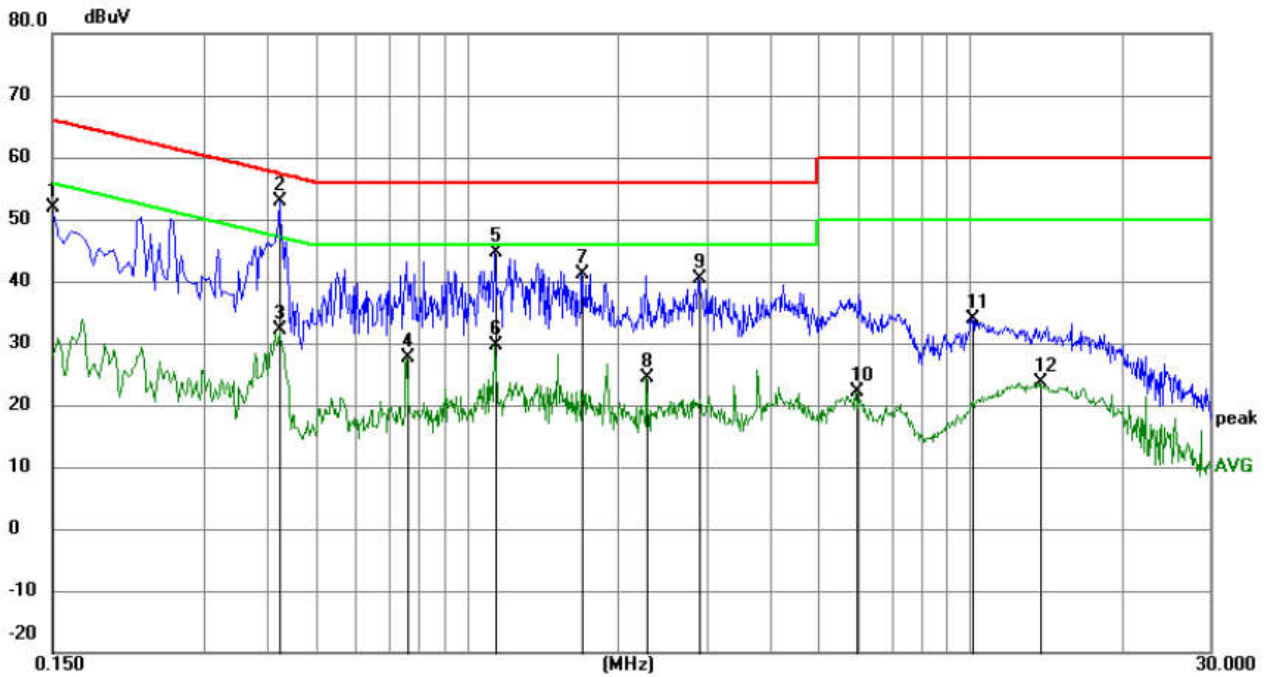


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	46.94	9.87	56.81	66.00	-9.19	QP	
2		0.1635	26.55	9.88	36.43	55.28	-18.85	AVG	
3	*	0.4200	38.91	9.79	48.70	57.45	-8.75	QP	
4		0.4245	24.52	9.79	34.31	47.36	-13.05	AVG	
5		0.8340	32.61	9.79	42.40	56.00	-13.60	QP	
6		1.1265	19.58	9.74	29.32	46.00	-16.68	AVG	
7		1.8735	18.04	9.75	27.79	46.00	-18.21	AVG	
8		1.9185	26.65	9.75	36.40	56.00	-19.60	QP	
9		3.7635	15.47	9.80	25.27	46.00	-20.73	AVG	
10		10.0635	23.49	9.83	33.32	60.00	-26.68	QP	
11		12.8940	15.04	9.84	24.88	50.00	-25.12	AVG	
12		22.3125	17.88	9.98	27.86	60.00	-32.14	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.

Neutral line:



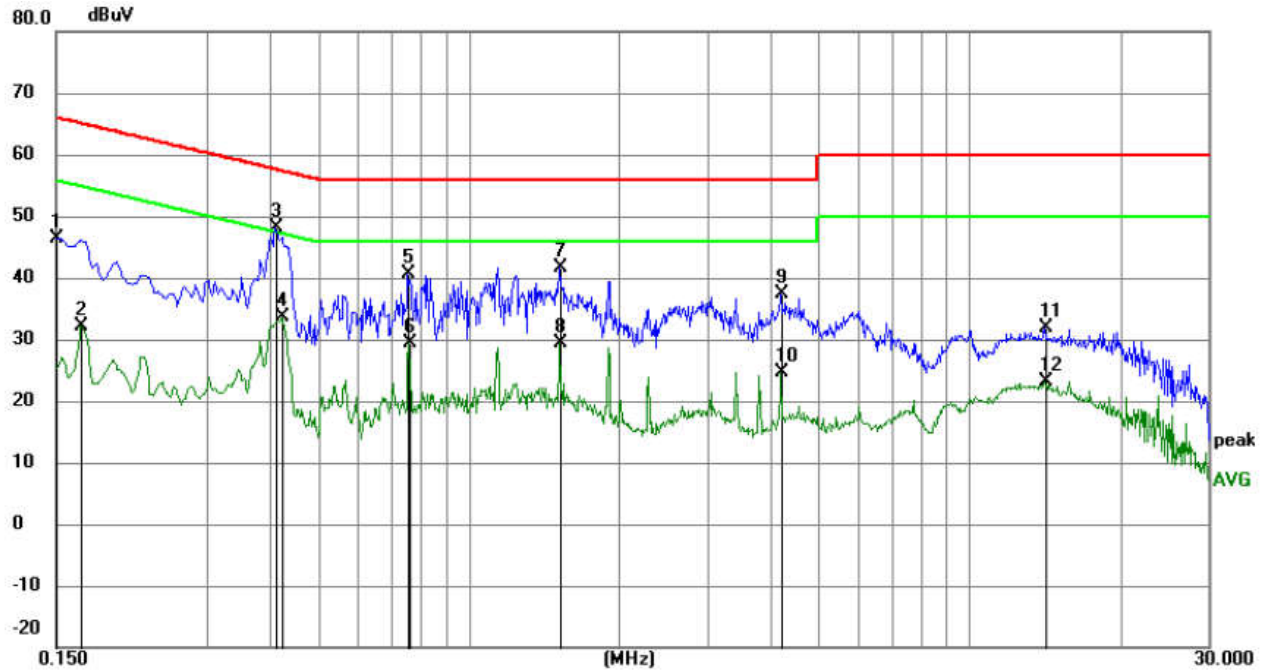
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1500	41.95	9.87	51.82	66.00	-14.18	QP	
2	*	0.4245	42.98	9.79	52.77	57.36	-4.59	QP	
3		0.4245	22.25	9.79	32.04	47.36	-15.32	AVG	
4		0.7620	17.89	9.86	27.75	46.00	-18.25	AVG	
5		1.1400	34.84	9.74	44.58	56.00	-11.42	QP	
6		1.1400	19.94	9.74	29.68	46.00	-16.32	AVG	
7		1.6935	31.35	9.75	41.10	56.00	-14.90	QP	
8		2.2785	14.61	9.76	24.37	46.00	-21.63	AVG	
9		2.8905	30.49	9.78	40.27	56.00	-15.73	QP	
10		5.9550	12.20	9.84	22.04	50.00	-27.96	AVG	
11		10.0770	24.00	9.83	33.83	60.00	-26.17	QP	
12		13.7940	13.86	9.85	23.71	50.00	-26.29	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		0.1500	36.48	9.87	46.35	66.00	-19.65	QP	
2		0.1680	22.35	9.89	32.24	55.06	-22.82	AVG	
3	*	0.4110	38.27	9.79	48.06	57.63	-9.57	QP	
4		0.4245	23.91	9.79	33.70	47.36	-13.66	AVG	
5		0.7575	30.68	9.87	40.55	56.00	-15.45	QP	
6		0.7620	19.60	9.86	29.46	46.00	-16.54	AVG	
7		1.5225	31.78	9.75	41.53	56.00	-14.47	QP	
8		1.5225	19.55	9.75	29.30	46.00	-16.70	AVG	
9		4.2045	27.48	9.82	37.30	56.00	-18.70	QP	
10		4.2045	14.81	9.82	24.63	46.00	-21.37	AVG	
11		14.2080	21.93	9.85	31.78	60.00	-28.22	QP	
12		14.2080	13.36	9.85	23.21	50.00	-26.79	AVG	

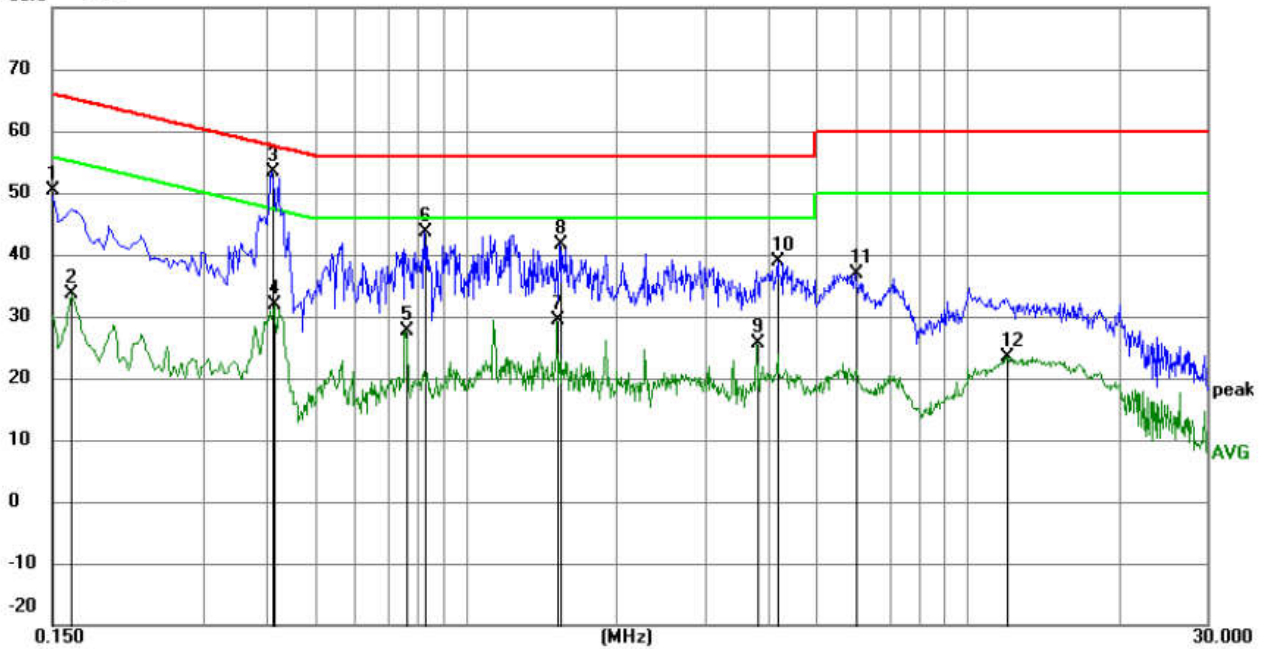
Remark:

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.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	40.58	9.87	50.45	66.00	-15.55	QP	
2		0.1635	23.83	9.88	33.71	55.28	-21.57	AVG	
3	*	0.4110	43.49	9.79	53.28	57.63	-4.35	QP	
4		0.4155	22.19	9.79	31.98	47.54	-15.56	AVG	
5		0.7620	17.82	9.86	27.68	46.00	-18.32	AVG	
6		0.8295	33.82	9.79	43.61	56.00	-12.39	QP	
7		1.5225	19.70	9.75	29.45	46.00	-16.55	AVG	
8		1.5360	31.90	9.75	41.65	56.00	-14.35	QP	
9		3.8040	15.95	9.80	25.75	46.00	-20.25	AVG	
10		4.1910	29.08	9.82	38.90	56.00	-17.10	QP	
11		5.9640	26.94	9.84	36.78	60.00	-23.22	QP	
12		11.9670	13.53	9.84	23.37	50.00	-26.63	AVG	

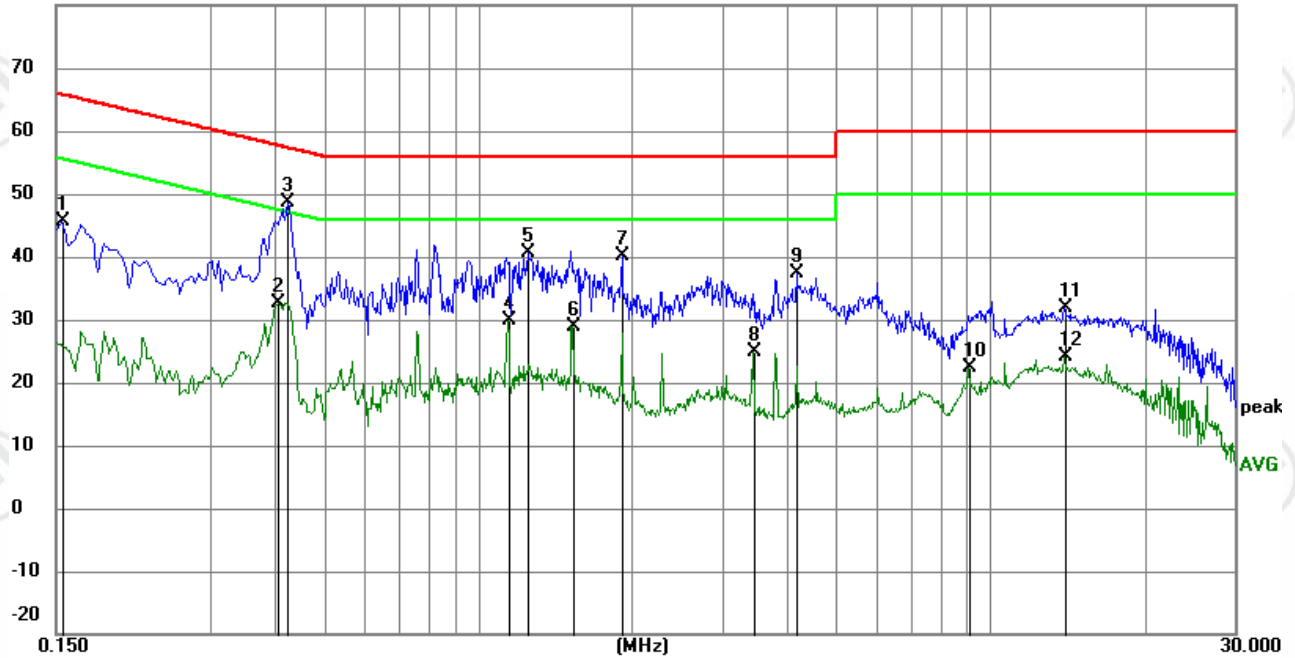
Remark:

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 c):

Live line:

80.0 dBuV

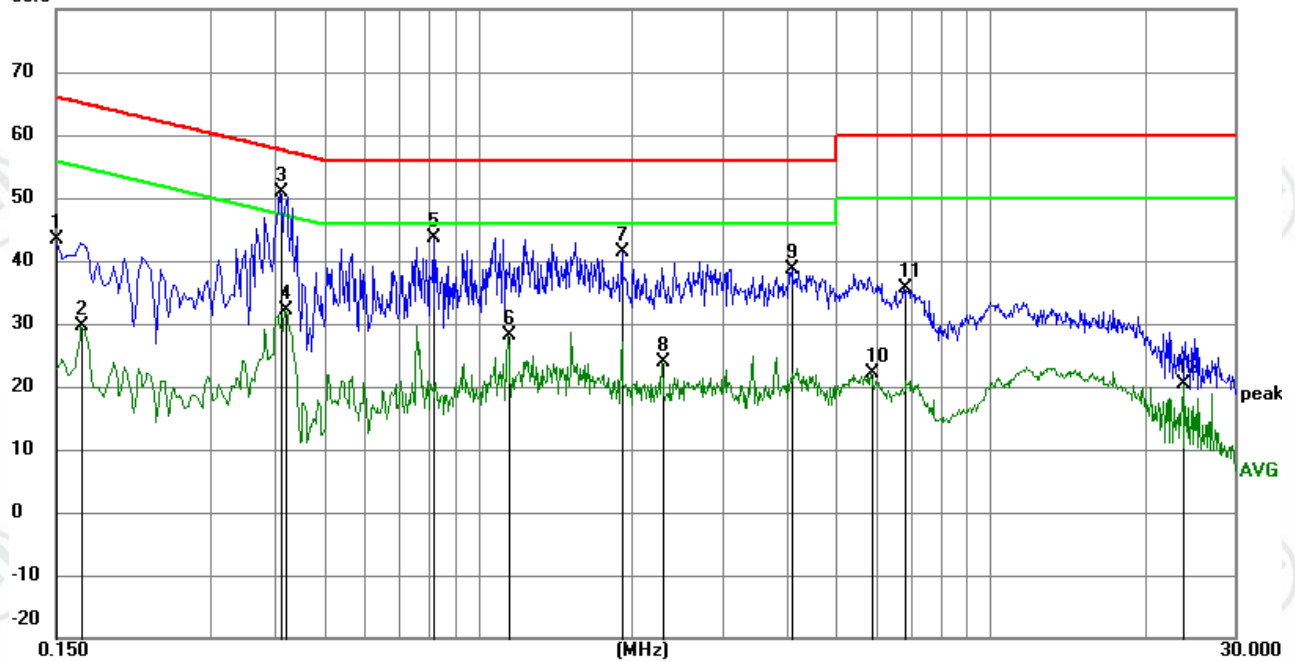


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1545	35.88	9.87	45.75	65.75	-20.00	QP	
2		0.4065	22.91	9.79	32.70	47.72	-15.02	AVG	
3	*	0.4245	38.73	9.79	48.52	57.36	-8.84	QP	
4		1.1445	20.06	9.74	29.80	46.00	-16.20	AVG	
5		1.2525	30.78	9.74	40.52	56.00	-15.48	QP	
6		1.5315	19.14	9.75	28.89	46.00	-17.11	AVG	
7		1.9095	30.48	9.75	40.23	56.00	-15.77	QP	
8		3.4395	15.00	9.79	24.79	46.00	-21.21	AVG	
9		4.2000	27.67	9.82	37.49	56.00	-18.51	QP	
10		9.0825	12.62	9.84	22.46	50.00	-27.54	AVG	
11		13.9155	21.96	9.85	31.81	60.00	-28.19	QP	
12		13.9155	14.16	9.85	24.01	50.00	-25.99	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	33.56	9.87	43.43	66.00	-22.57	QP	
2		0.1680	19.79	9.89	29.68	55.06	-25.38	AVG	
3	*	0.4110	41.11	9.79	50.90	57.63	-6.73	QP	
4		0.4200	22.29	9.79	32.08	47.45	-15.37	AVG	
5		0.8205	33.79	9.79	43.58	56.00	-12.42	QP	
6		1.1445	18.46	9.74	28.20	46.00	-17.80	AVG	
7		1.9095	31.62	9.75	41.37	56.00	-14.63	QP	
8		2.2875	14.11	9.76	23.87	46.00	-22.13	AVG	
9		4.1010	28.75	9.81	38.56	56.00	-17.44	QP	
10		5.8470	12.41	9.84	22.25	50.00	-27.75	AVG	
11		6.7965	25.75	9.85	35.60	60.00	-24.40	QP	
12		23.8785	10.32	9.94	20.26	50.00	-29.74	AVG	

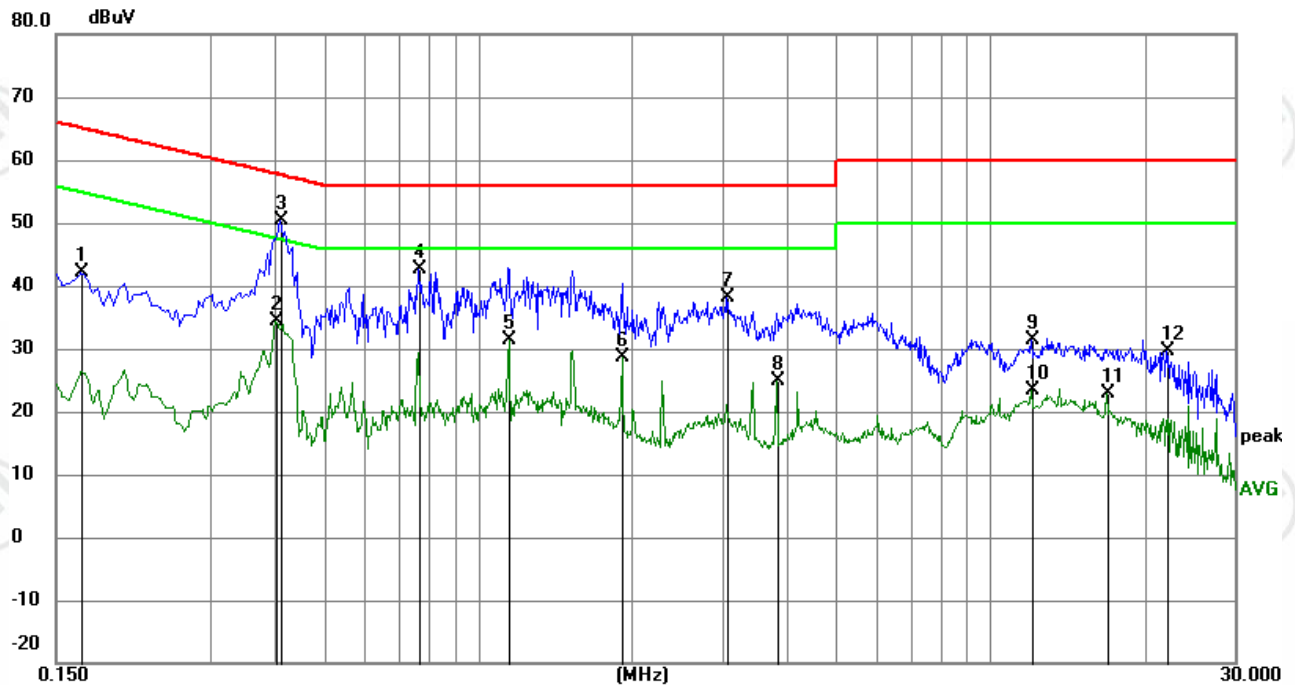
Remark:

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 d):

Live line:



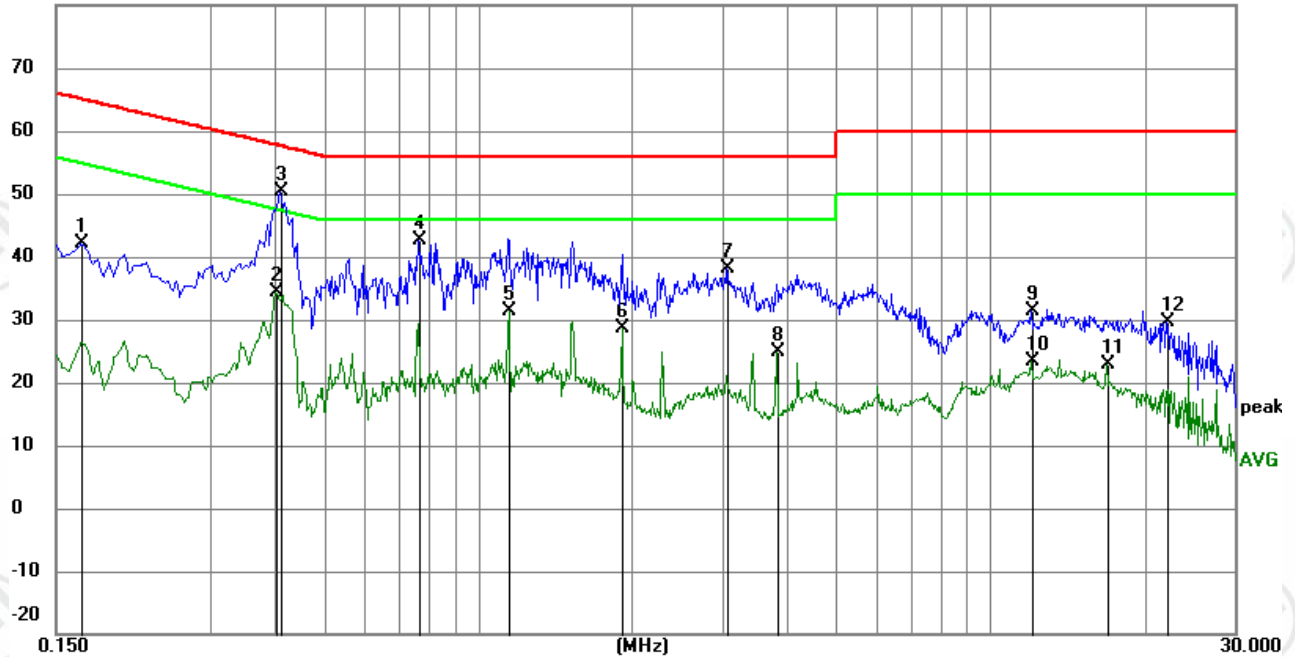
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1680	32.20	9.89	42.09	65.06	-22.97	QP	
2		0.4020	24.56	9.79	34.35	47.81	-13.46	AVG	
3	*	0.4110	40.60	9.79	50.39	57.63	-7.24	QP	
4		0.7665	32.73	9.85	42.58	56.00	-13.42	QP	
5		1.1490	21.72	9.74	31.46	46.00	-14.54	AVG	
6		1.9140	18.88	9.75	28.63	46.00	-17.37	AVG	
7		3.0615	28.31	9.78	38.09	56.00	-17.91	QP	
8		3.8265	15.04	9.80	24.84	46.00	-21.16	AVG	
9		12.0120	21.57	9.84	31.41	60.00	-28.59	QP	
10		12.0120	13.65	9.84	23.49	50.00	-26.51	AVG	
11		16.8450	12.97	9.92	22.89	50.00	-27.11	AVG	
12		22.1640	19.64	9.99	29.63	60.00	-30.37	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.

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		0.1680	32.20	9.89	42.09	65.06	-22.97	QP	
2		0.4020	24.56	9.79	34.35	47.81	-13.46	AVG	
3	*	0.4110	40.60	9.79	50.39	57.63	-7.24	QP	
4		0.7665	32.73	9.85	42.58	56.00	-13.42	QP	
5		1.1490	21.72	9.74	31.46	46.00	-14.54	AVG	
6		1.9140	18.88	9.75	28.63	46.00	-17.37	AVG	
7		3.0615	28.31	9.78	38.09	56.00	-17.91	QP	
8		3.8265	15.04	9.80	24.84	46.00	-21.16	AVG	
9		12.0120	21.57	9.84	31.41	60.00	-28.59	QP	
10		12.0120	13.65	9.84	23.49	50.00	-26.51	AVG	
11		16.8450	12.97	9.92	22.89	50.00	-27.11	AVG	
12		22.1640	19.64	9.99	29.63	60.00	-30.37	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.

## 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:**

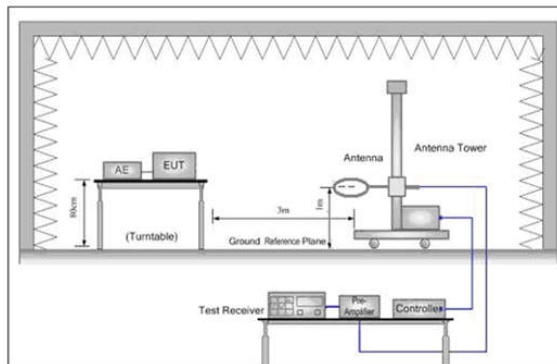


Figure . Below 30MHz

**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 $\mu$ 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:**

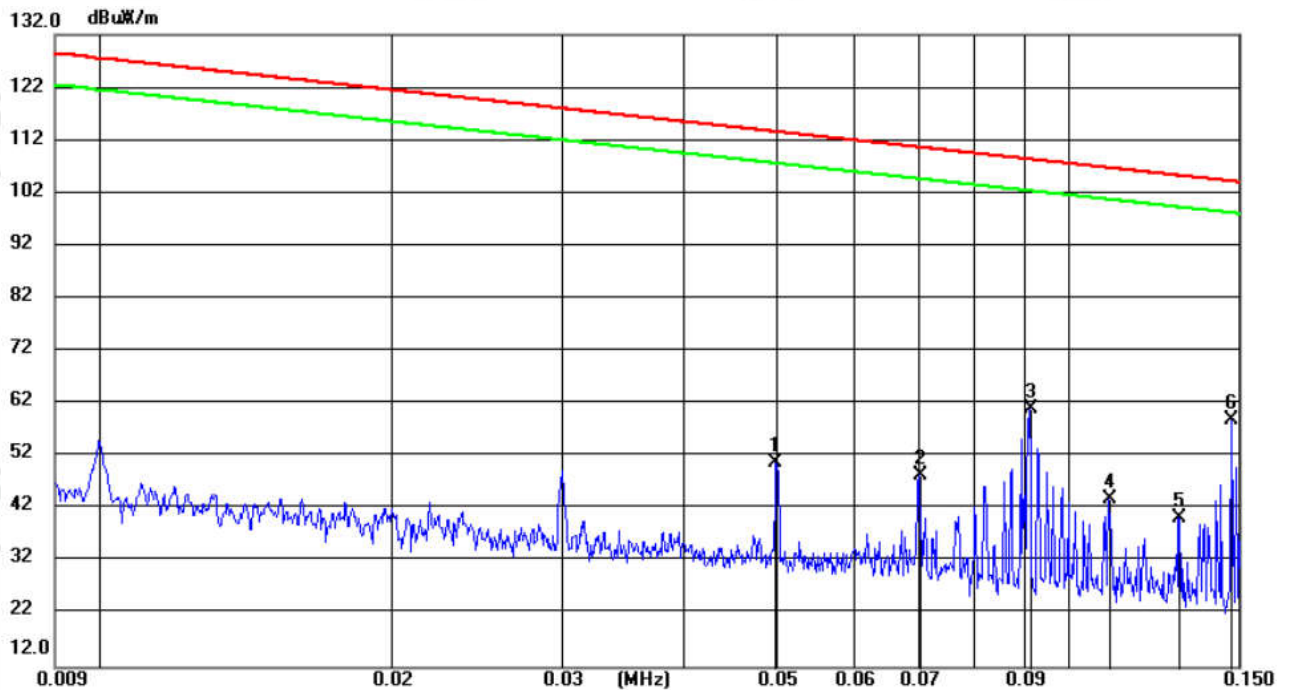
Pass



**9kHz~150kHz:**

Adapter Model: SA241D-240100U

Measurement Data (Mode a):

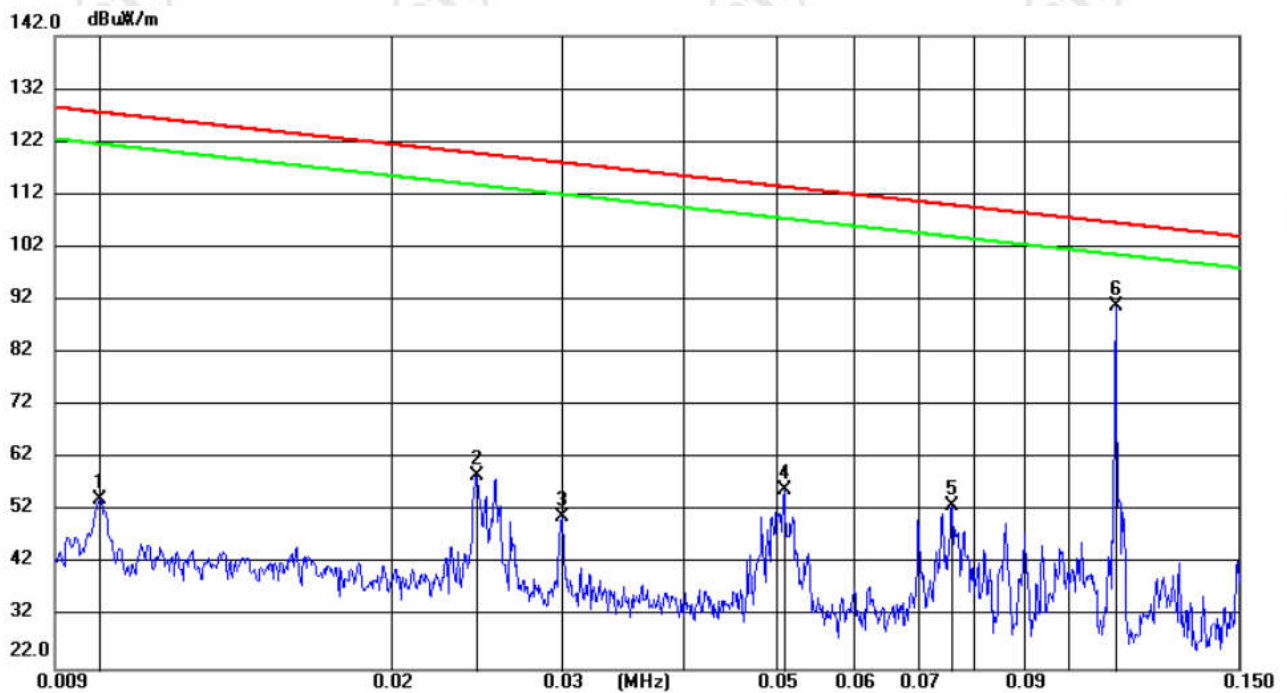


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		0.0499	29.91	20.90	50.81	113.58	-62.77	peak	7
2		0.0702	27.72	20.83	48.55	110.62	-62.07	peak	7
3		0.0912	40.26	20.85	61.11	108.36	-47.25	peak	167
4		0.1101	23.14	20.84	43.98	106.72	-62.74	peak	7
5		0.1303	19.42	20.90	40.32	105.27	-64.95	peak	7
6	*	0.1474	37.99	20.91	58.90	104.20	-45.30	peak	189

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
3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which is the worst case.

Measurement Data (Mode b):



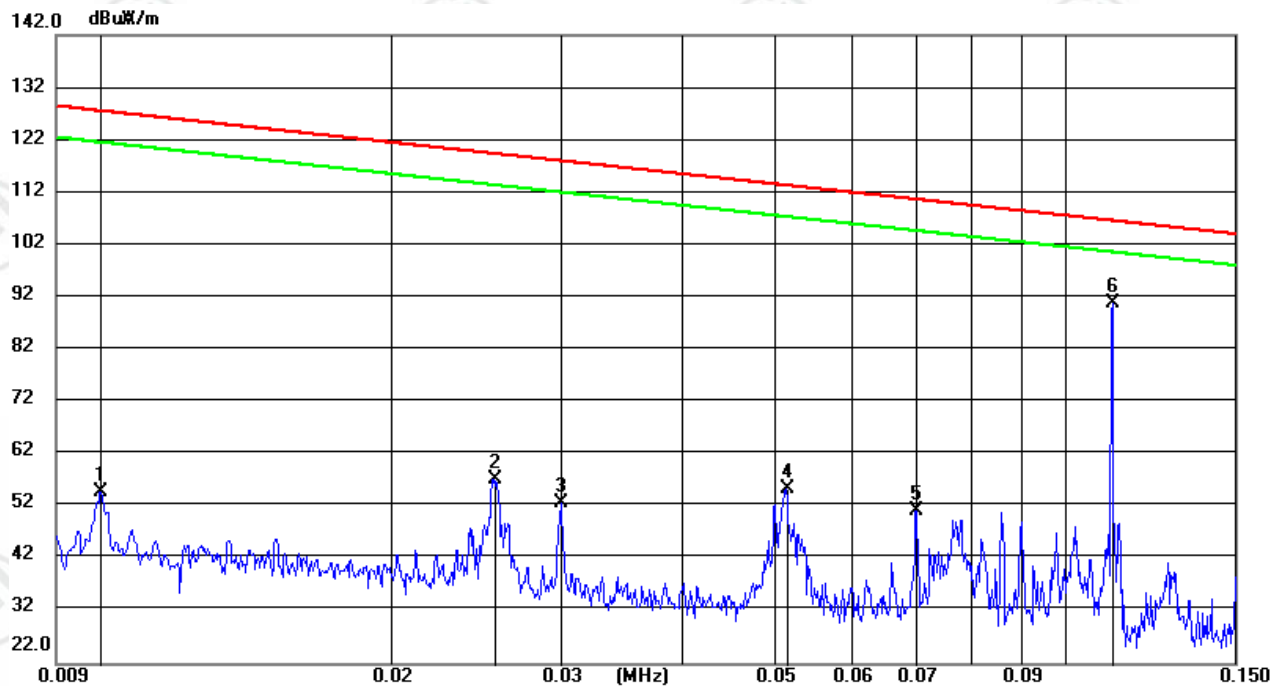
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	0.0100	33.07	21.30	54.37	127.49	-73.12	peak	100	10	
2	0.0245	37.92	20.92	58.84	119.73	-60.89	peak	100	10	
3	0.0300	30.11	20.92	51.03	117.98	-66.95	peak	100	352	
4	0.0509	35.24	20.90	56.14	113.40	-57.26	peak	100	0	
5	0.0759	32.22	20.82	53.04	109.95	-56.91	peak	100	352	
6 *	0.1119	69.93	20.85	90.78	106.58	-15.80	peak	100	25	

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
3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which it is the worst case.



Measurement Data (Mode c):



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	0.0100	33.66	21.30	54.96	127.49	-72.53	peak	100	7	
2	0.0256	36.23	20.91	57.14	119.35	-62.21	peak	100	36	
3	0.0300	31.79	20.92	52.71	117.98	-65.27	peak	100	7	
4	0.0514	34.52	20.89	55.41	113.32	-57.91	peak	100	7	
5	0.0700	30.34	20.83	51.17	110.65	-59.48	peak	100	7	
6 *	0.1119	69.89	20.85	90.74	106.58	-15.84	peak	100	21	

Remark:

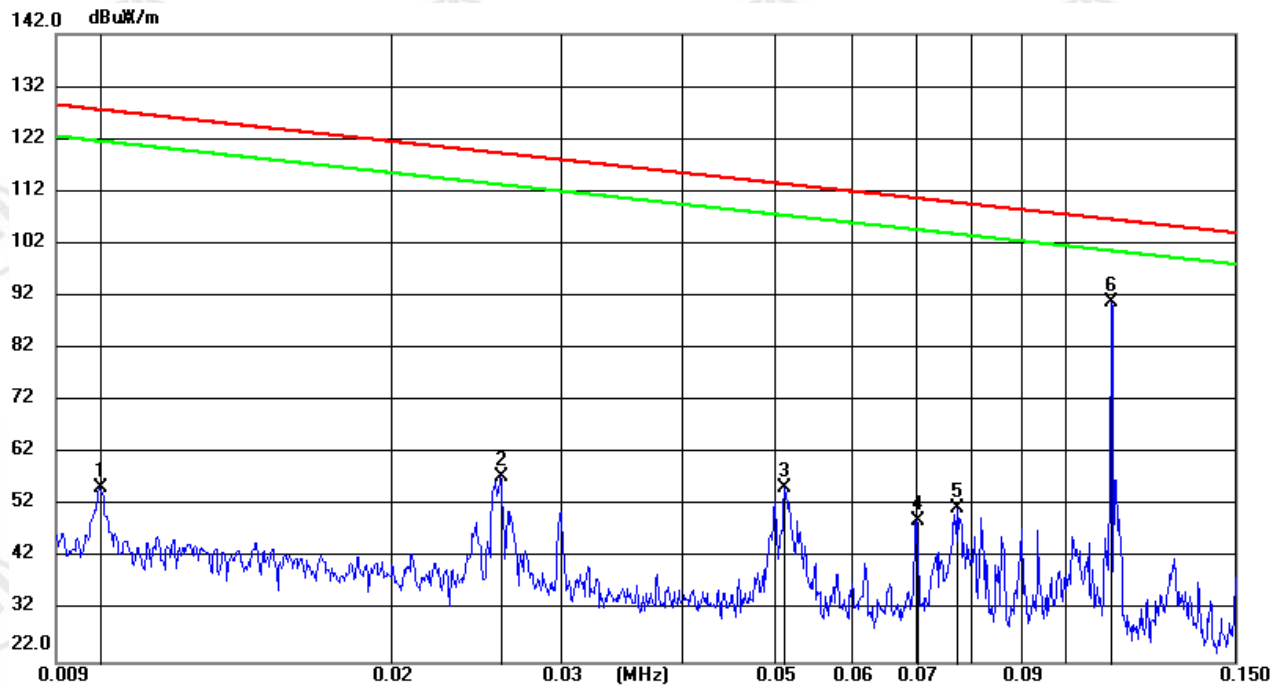
1. According to ANSI C63.10-2013 chapter 6.4.6, we tested the parallel, perpendicular, and ground-parallel of loop antenna, and recorded the worst parallel data of loop antenna in the report.
2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier. The basic equation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

Final Test Level = Receiver Reading - Correct Factor

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

3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found that the X axis positioning of horizontal is the worst case.

Measurement Data (Mode d):



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.0100	34.26	21.30	55.56	127.49	-71.93	100	221	peak
2		0.0260	36.52	20.92	57.44	119.22	-61.78	100	10	peak
3		0.0512	34.69	20.90	55.59	113.35	-57.76	100	352	peak
4		0.0702	28.41	20.83	49.24	110.62	-61.38	100	352	peak
5		0.0772	30.75	20.83	51.58	109.80	-58.22	100	39	peak
6	*	0.1116	69.99	20.85	90.84	106.61	-15.77	100	25	peak

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:

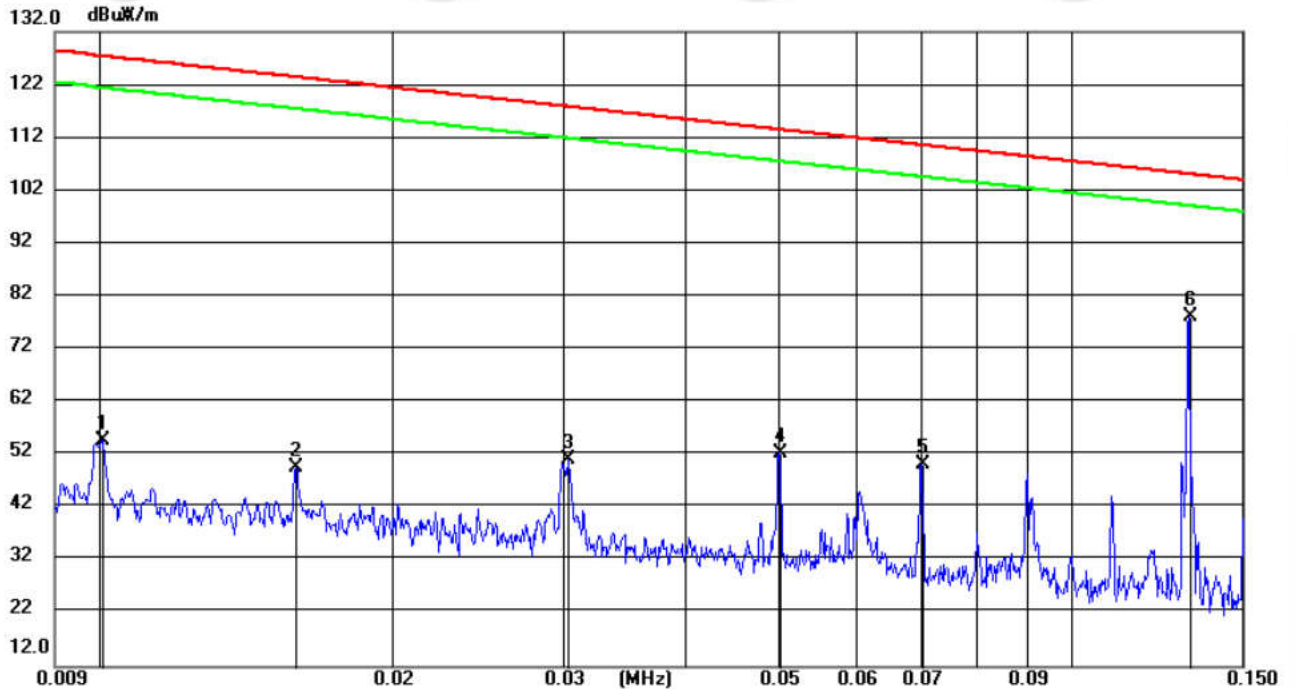
$$\text{Final Test Level} = \text{Receiver Reading} - \text{Correct Factor}$$

$$\text{Correct Factor} = \text{Preamplifier Factor} - \text{Antenna Factor} - \text{Cable Factor}$$

3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found that the X axis positioning of horizontal is the worst case.

Adapter Model: XY24SR-240100VQ-UNIT

Measurement Data (Mode a):

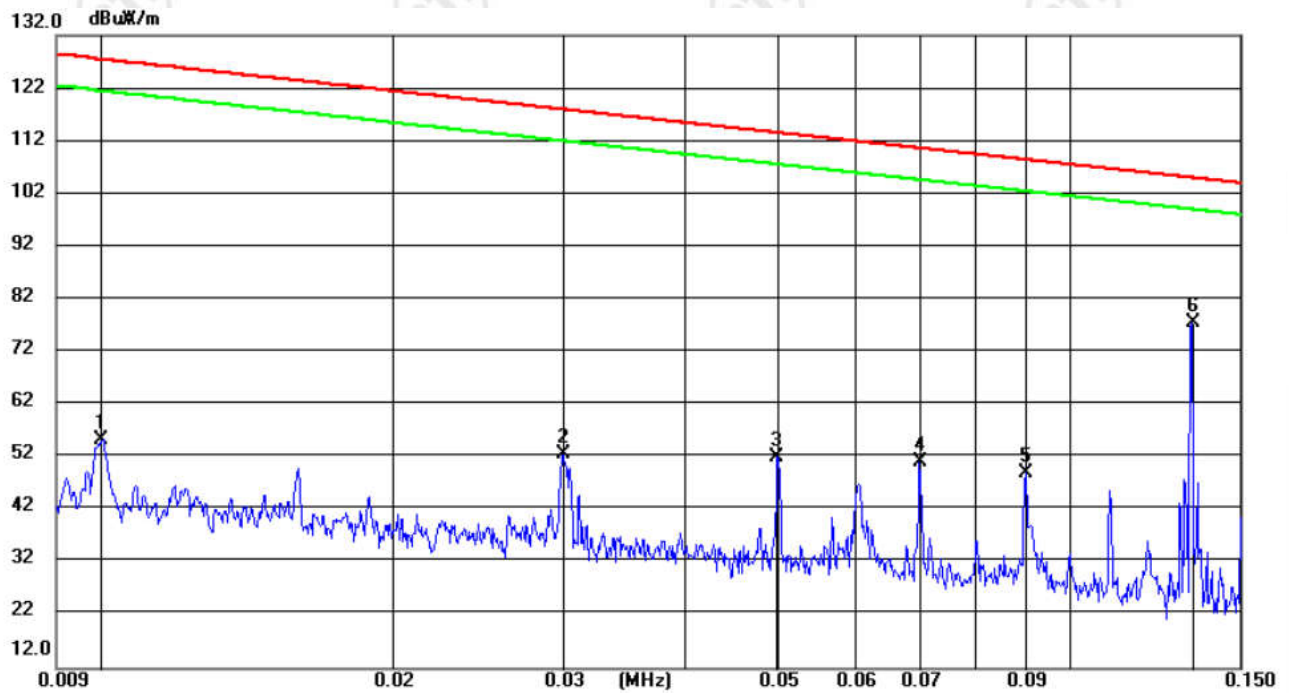


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		0.0101	33.49	21.29	54.78	127.31	-72.53	peak	100	221
2		0.0159	28.69	21.03	49.72	123.39	-73.67	peak	100	323
3		0.0303	30.10	20.92	51.02	117.83	-66.81	peak	100	214
4		0.0501	31.37	20.90	52.27	113.49	-61.22	peak	100	352
5		0.0702	29.37	20.83	50.20	110.57	-60.37	peak	100	352
6	*	0.1322	57.13	20.90	78.03	105.11	-27.08	peak	100	178

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
3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which it is the worst case.

Measurement Data (Mode b):



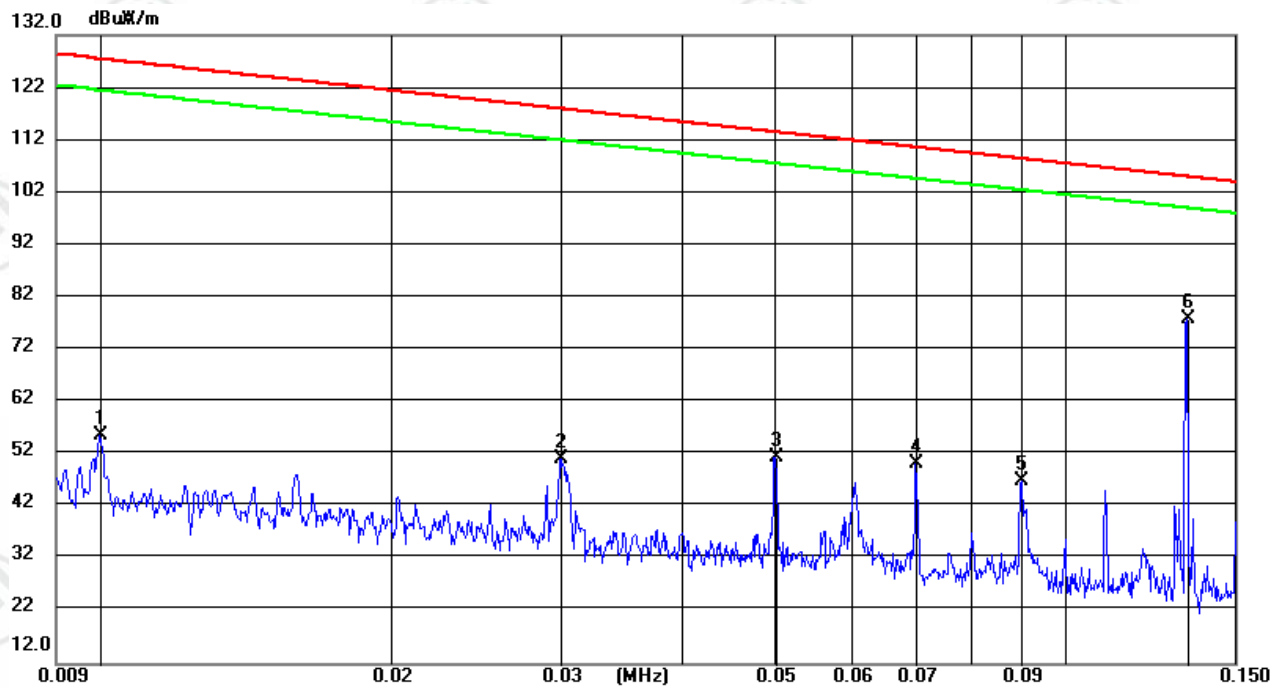
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Antenna Height cm	Table Degree	Comment
1		0.0100	34.18	21.30	55.48	127.40	-71.92	peak	100	349
2		0.0300	31.85	20.92	52.77	117.91	-65.14	peak	100	7
3		0.0499	31.24	20.90	52.14	113.52	-61.38	peak	100	7
4		0.0700	30.37	20.83	51.20	110.60	-59.40	peak	100	7
5		0.0901	28.12	20.85	48.97	108.42	-59.45	peak	100	7
6	*	0.1337	56.61	20.90	77.51	105.01	-27.50	peak	100	181

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
3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which is the worst case.



Measurement Data (Mode c):



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree
1		0.0100	34.22	21.30	55.52	127.40	-71.88	peak	323
2		0.0300	30.32	20.92	51.24	117.91	-66.67	peak	111
3		0.0501	30.65	20.90	51.55	113.49	-61.94	peak	1
4		0.0700	29.41	20.83	50.24	110.60	-60.36	peak	0
5		0.0901	26.00	20.85	46.85	108.42	-61.57	peak	352
6	*	0.1337	56.91	20.90	77.81	105.01	-27.20	peak	176

Remark:

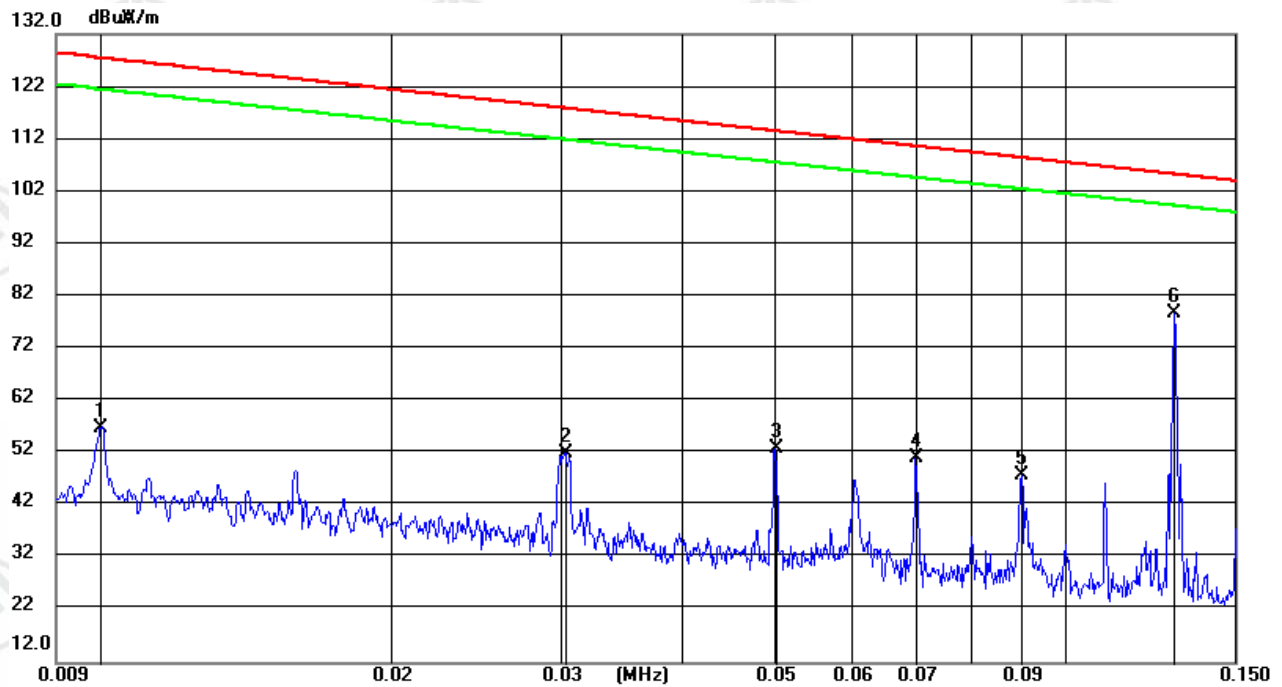
1. According ANSI C63.10-2013 chapter 6.4.6, We tested the parallel, perpendicular, and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.
2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation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

$$\text{Final Test Level} = \text{Receiver Reading} - \text{Correct Factor}$$

$$\text{Correct Factor} = \text{Preamplifier Factor} - \text{Antenna Factor} - \text{Cable Factor}$$

3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which it is the worst case.

Measurement Data (Mode d):



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.0100	35.64	21.30	56.94	127.40	-70.46	peak	100	190
2		0.0303	31.27	20.92	52.19	117.83	-65.64	peak	100	197
3		0.0501	31.97	20.90	52.87	113.49	-60.62	peak	100	7
4		0.0700	30.35	20.83	51.18	110.60	-59.42	peak	100	360
5		0.0901	26.93	20.85	47.78	108.42	-60.64	peak	100	7
6	*	0.1296	57.71	20.90	78.61	105.28	-26.67	peak	100	183

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:

$$\text{Final Test Level} = \text{Receiver Reading} - \text{Correct Factor}$$

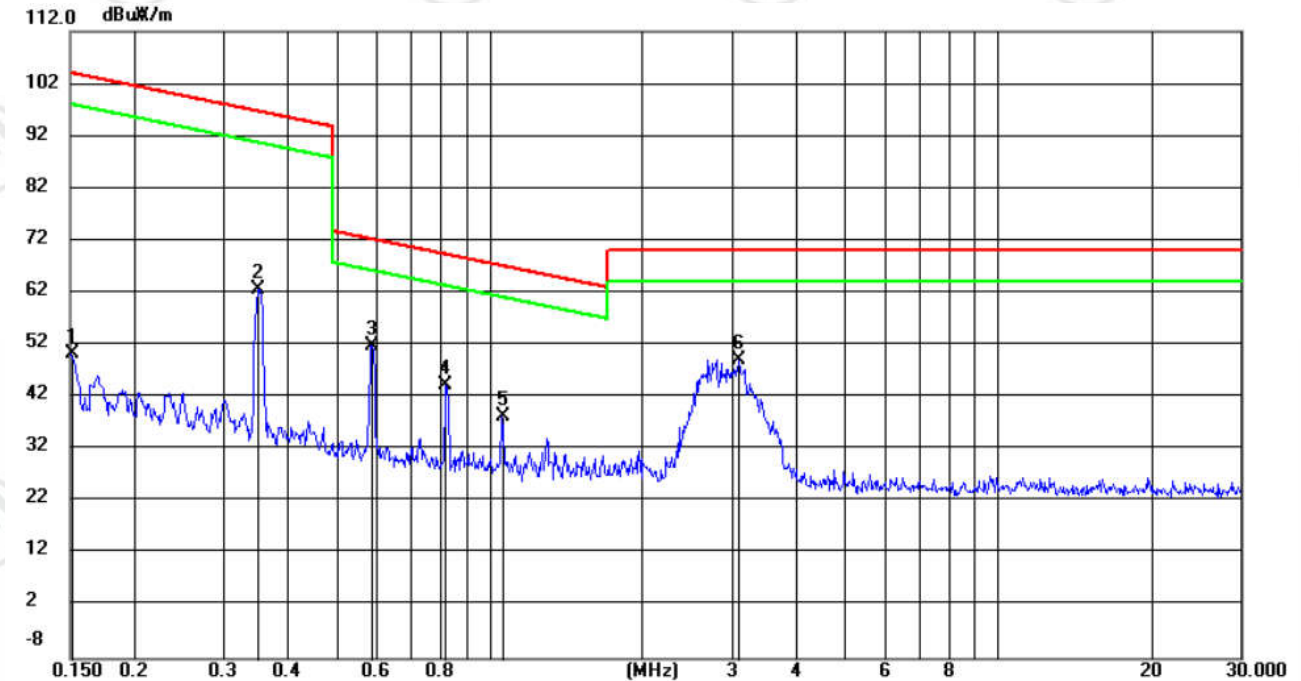
$$\text{Correct Factor} = \text{Preamplifier Factor} - \text{Antenna Factor} - \text{Cable Factor}$$

3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which it is the worst case.

150kHz~30MHz:

Adapter Model: SA241D-240100U

Measurement Data (Mode a):



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.1508	29.32	20.92	50.24	104.00	-53.76	peak	100	308
2		0.3520	41.67	20.84	62.51	96.66	-34.15	peak	100	323
3	*	0.5885	31.44	20.54	51.98	72.21	-20.23	peak	100	0
4		0.8217	23.92	20.51	44.43	69.32	-24.89	peak	100	330
5		1.0597	17.99	20.49	38.48	67.12	-28.64	peak	100	352
6		3.0901	28.74	20.41	49.15	70.00	-20.85	peak	100	264

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.

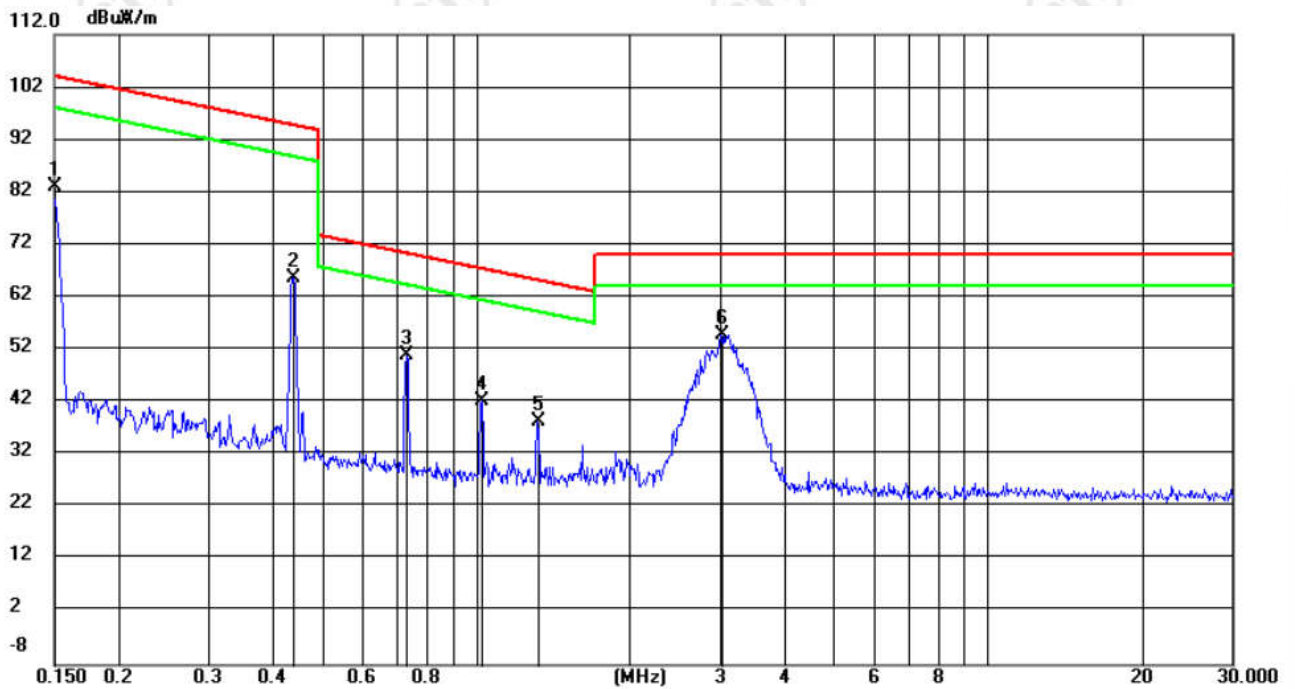
2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading - Correct Factor

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

3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which is the worst case.

Measurement Data (Mode b):



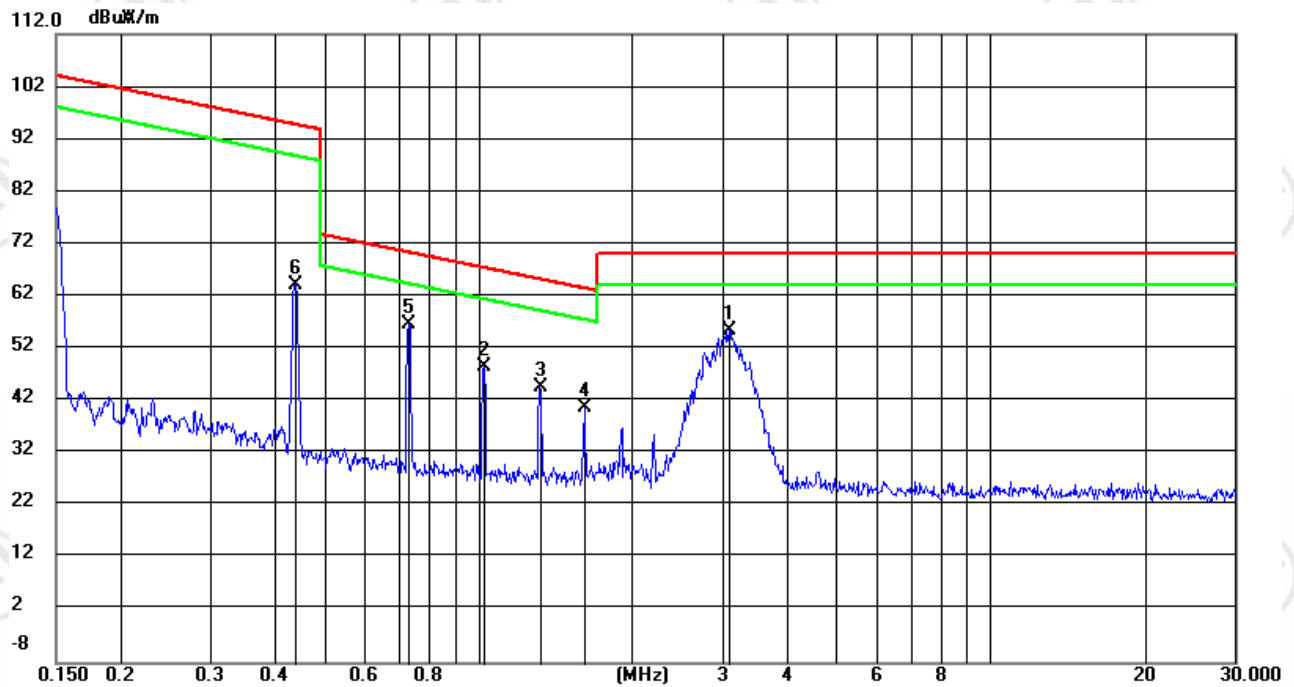
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		0.1500	62.08	20.92	83.00	104.05	-21.05	peak	100	182	
2		0.4397	44.94	20.67	65.61	94.74	-29.13	peak	100	182	
3		0.7313	30.56	20.53	51.09	70.33	-19.24	peak	100	233	
4		1.0265	21.78	20.49	42.27	67.39	-25.12	peak	100	233	
5		1.3168	17.93	20.48	38.41	65.24	-26.83	peak	100	233	
6	*	3.0094	34.42	20.41	54.83	70.00	-15.17	peak	100	189	

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
3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which is the worst case.



Measurement Data (Mode c):



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		3.0901	35.19	20.41	55.60	70.00	-14.40	peak	100	352	
2		1.0265	28.17	20.49	48.66	67.39	-18.73	peak	100	148	
3		1.3168	24.15	20.48	44.63	65.24	-20.61	peak	100	148	
4		1.6105	20.42	20.46	40.88	63.49	-22.61	peak	100	148	
5	*	0.7313	36.20	20.53	56.73	70.33	-13.60	peak	100	148	
6		0.4397	43.39	20.67	64.06	94.74	-30.68	peak	100	207	

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.

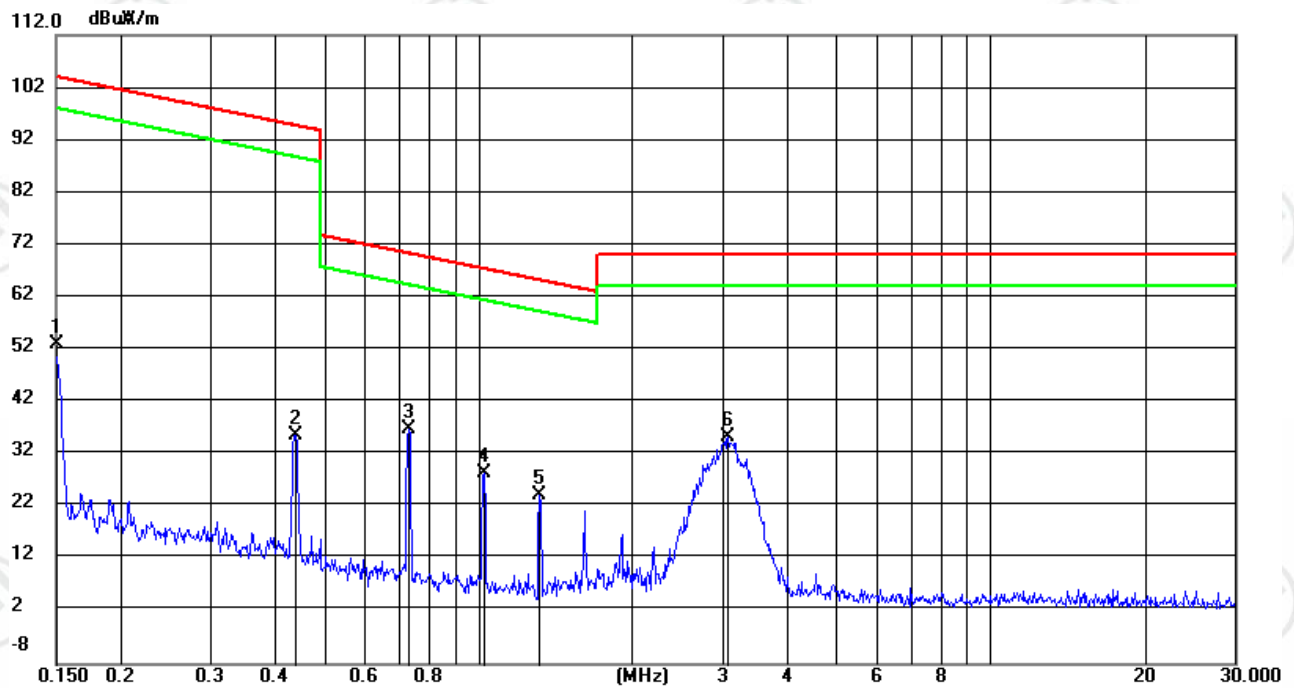
2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Pre-amplifier. The basic equation with a sample calculation is as follows:

$$\text{Final Test Level} = \text{Receiver Reading} - \text{Correct Factor}$$

$$\text{Correct Factor} = \text{Pre-amplifier Factor} - \text{Antenna Factor} - \text{Cable Factor}$$

3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which it is the worst case.

Measurement Data (Mode d):



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	0.1500	52.62	0.36	52.98	104.02	-51.04	peak	100	94	
2	0.4397	35.55	0.20	35.75	94.73	-58.98	peak	100	94	
3 *	0.7313	36.87	0.10	36.97	70.33	-33.36	peak	100	145	
4	1.0265	28.28	0.08	28.36	67.39	-39.03	peak	100	145	
5	1.3167	24.27	0.08	24.35	65.24	-40.89	peak	100	145	
6	3.0738	35.19	0.05	35.24	70.00	-34.76	peak	100	123	

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:

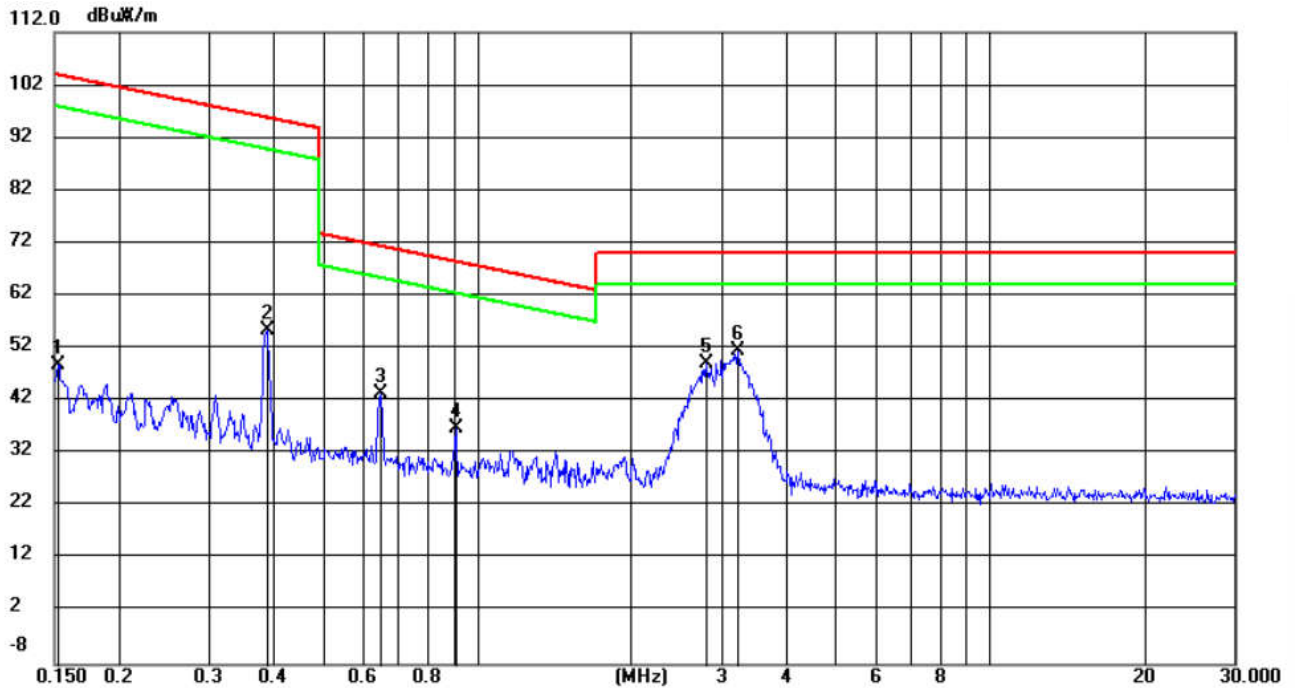
Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which it is the worst case.

Adapter Model: XY24SR-240100VQ-UNIT

Measurement Data (Mode a):

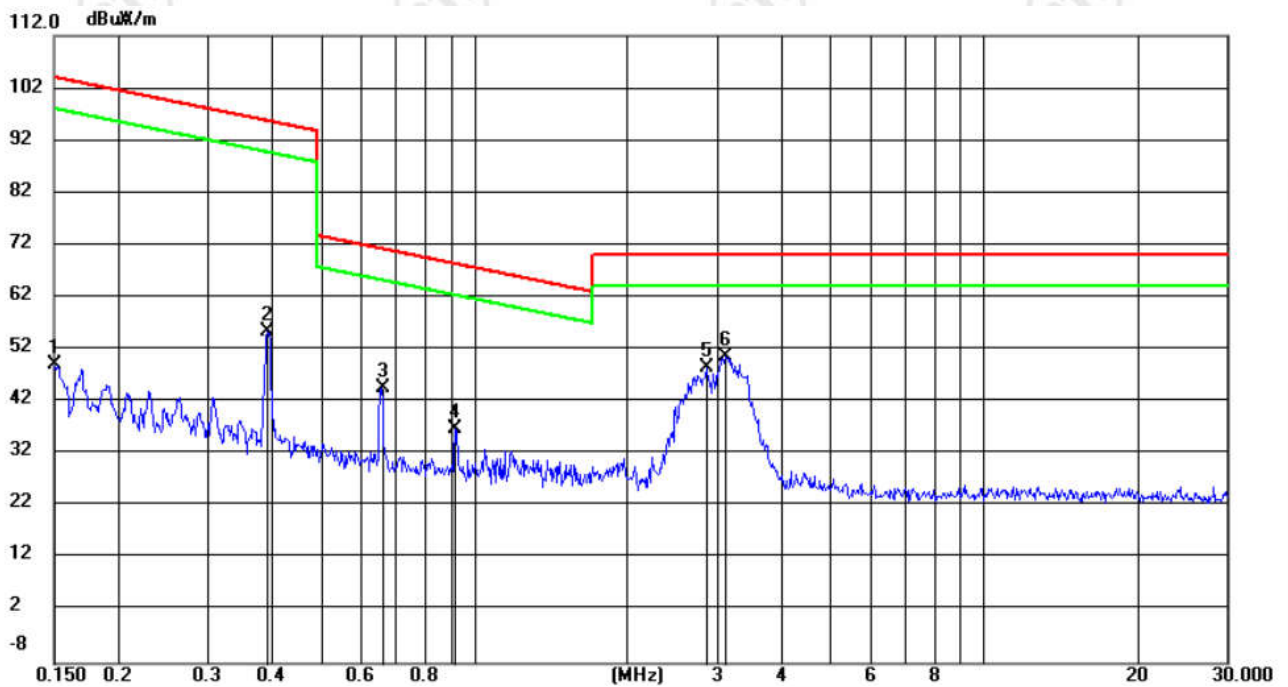


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		0.1524	27.91	20.92	48.83	103.88	-55.05	peak	100	330	
2		0.3893	34.62	20.76	55.38	95.79	-40.41	peak	100	198	
3		0.6474	22.82	20.54	43.36	71.39	-28.03	peak	100	198	
4		0.9087	16.33	20.51	36.84	68.45	-31.61	peak	100	183	
5		2.7942	28.86	20.41	49.27	70.00	-20.73	peak	100	72	
6	*	3.2239	31.20	20.41	51.61	70.00	-18.39	peak	100	101	

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
3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which is the worst case.

Measurement Data (Mode b):



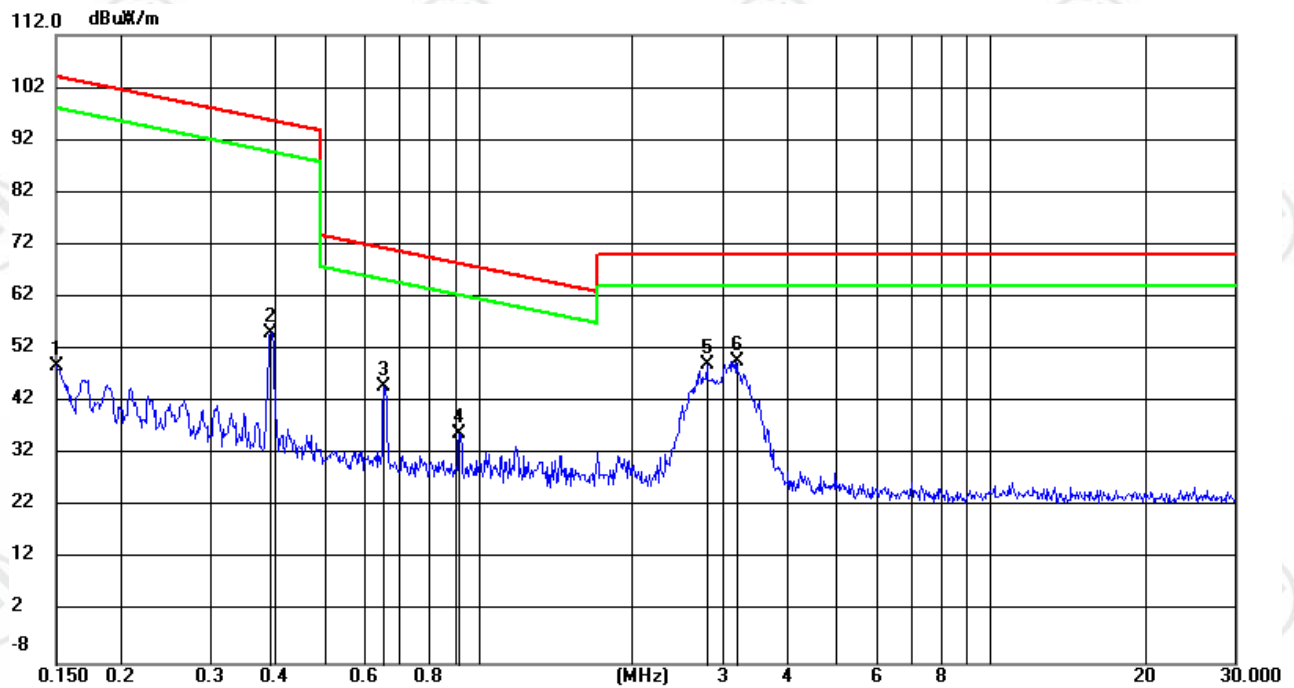
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		0.1500	28.34	20.92	49.26	104.02	-54.76	peak	100	7	
2		0.3933	34.62	20.75	55.37	95.70	-40.33	peak	100	160	
3		0.6578	24.14	20.54	44.68	71.25	-26.57	peak	100	160	
4		0.9184	16.43	20.51	36.94	68.36	-31.42	peak	100	219	
5		2.8541	28.10	20.41	48.51	70.00	-21.49	peak	100	197	
6	*	3.1066	30.14	20.41	50.55	70.00	-19.45	peak	100	212	

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
3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which is the worst case.



Measurement Data (Mode c):



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	0.1500	27.87	20.92	48.79	104.05	-55.26	peak	100	352	
2	0.3933	34.42	20.75	55.17	95.70	-40.53	peak	100	155	
3	0.6543	24.27	20.54	44.81	71.30	-26.49	peak	100	163	
4	0.9184	15.54	20.51	36.05	68.36	-32.31	peak	100	250	
5	2.7942	28.72	20.42	49.14	70.00	-20.86	peak	100	236	
6 *	3.1900	29.40	20.41	49.81	70.00	-20.19	peak	100	272	

Remark:

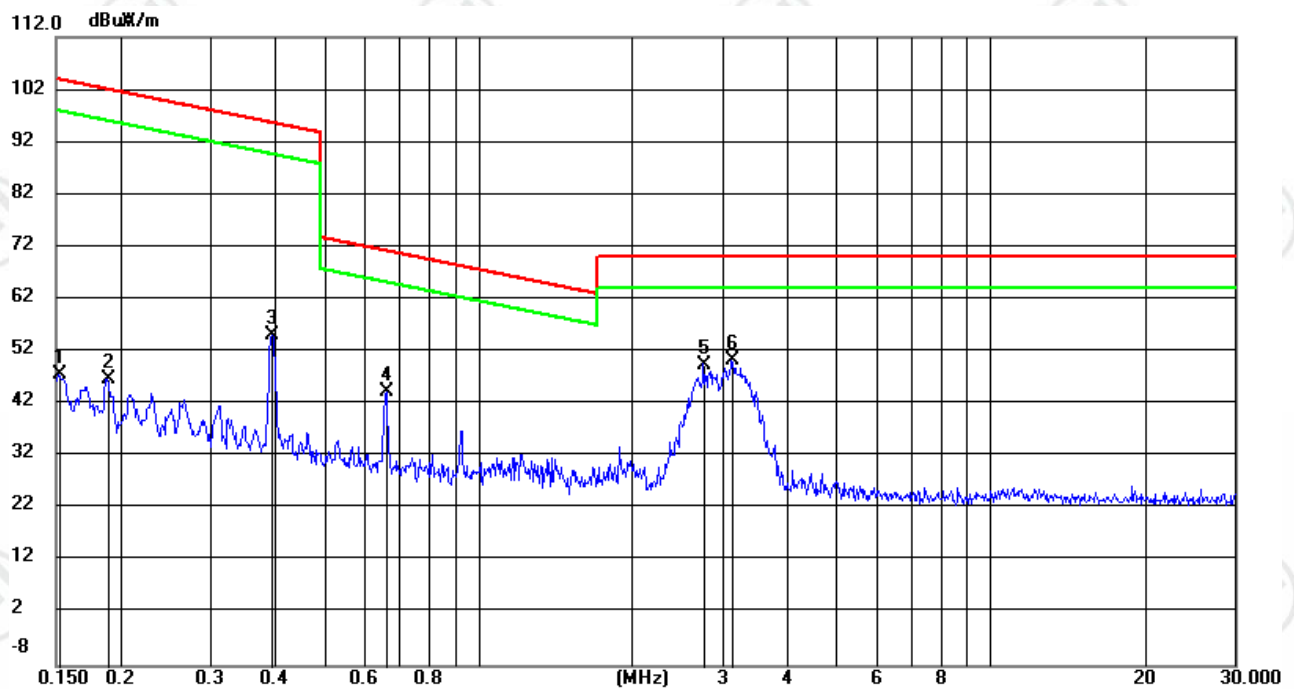
1. According ANSI C63.10-2013 chapter 6.4.6, We tested the parallel, perpendicular, and ground-parallel of loop antenna, and was recorded the worst parallel data of loop antenna in the report.
2. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation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

Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning of horizontal which it is the worst case.

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		0.1516	26.64	20.92	47.56	103.93	-56.37	peak	100	285
2		0.1884	25.82	20.97	46.79	102.05	-55.26	peak	100	248
3		0.3955	34.51	20.75	55.26	95.65	-40.39	peak	100	190
4		0.6613	23.88	20.54	44.42	71.20	-26.78	peak	100	168
5		2.7502	29.18	20.42	49.60	70.00	-20.40	peak	100	285
6	*	3.1231	29.83	20.41	50.24	70.00	-19.76	peak	100	153

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:  

$$\text{Final Test Level} = \text{Receiver Reading} - \text{Correct Factor}$$

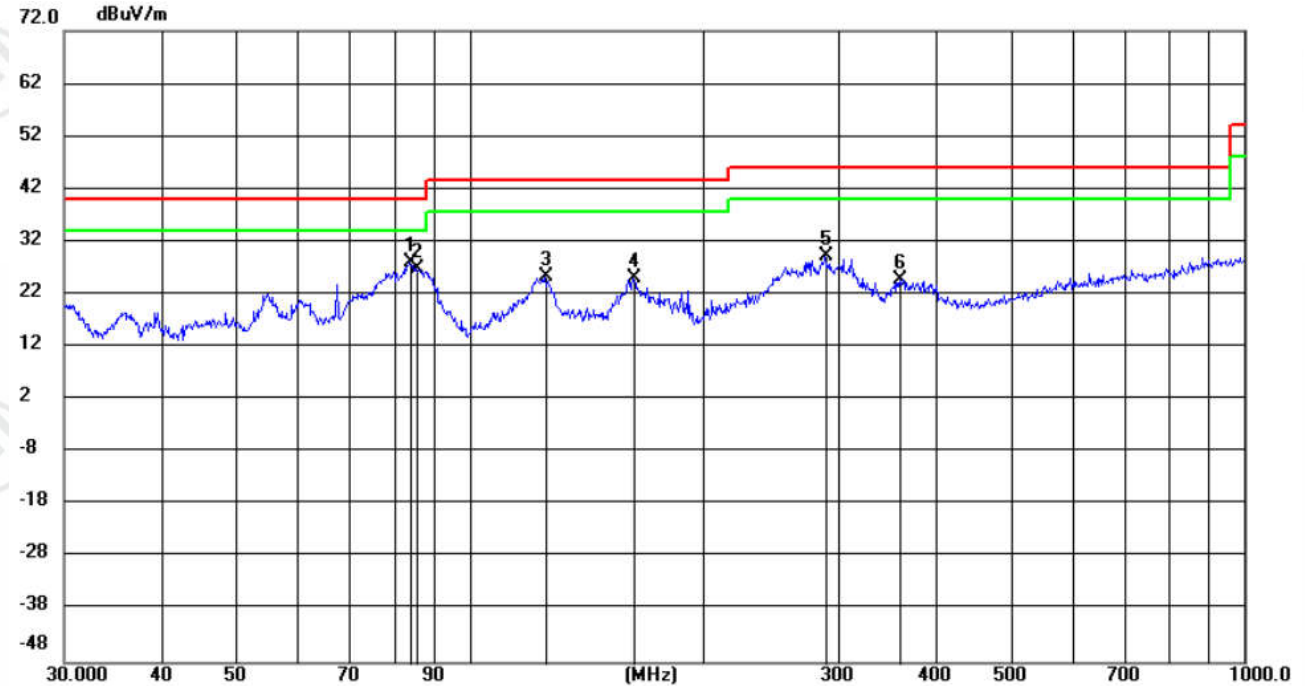
$$\text{Correct Factor} = \text{Pre-amplifier Factor} - \text{Antenna Factor} - \text{Cable Factor}$$
3. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found that the X axis positioning of horizontal is the worst case.

**30MHz-1GHz:**

Adapter Model: SA241D-240100U

Measurement Data (Mode a):

Polarization: Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	*	83.9184	17.12	10.83	27.95	40.00	-12.05	QP	199	319	
2		85.4327	15.82	11.14	26.96	40.00	-13.04	QP	199	7	
3		125.1162	14.48	10.93	25.41	43.50	-18.09	QP	100	106	
4		162.9244	14.30	10.71	25.01	43.50	-18.49	QP	199	190	
5		288.0409	13.18	16.20	29.38	46.00	-16.62	QP	100	288	
6		359.5640	6.91	17.85	24.76	46.00	-21.24	QP	199	104	

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:

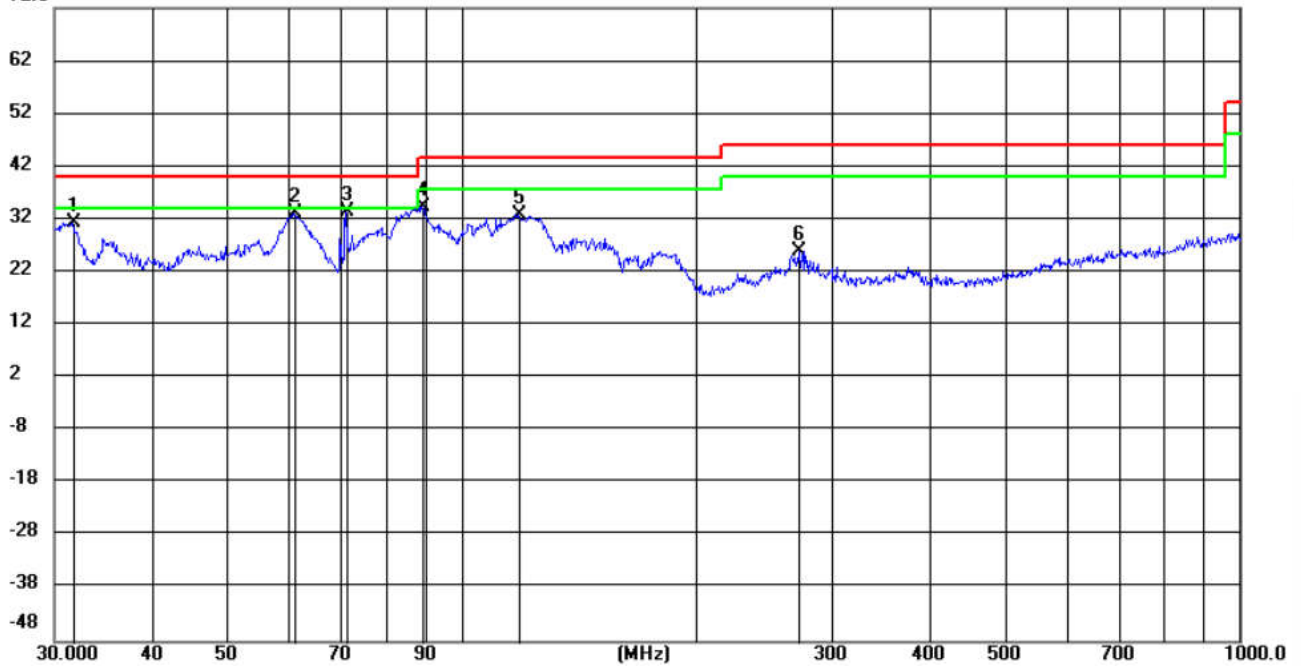
Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

Measurement Data (Mode a):

Polarization: Vertical

72.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		31.7035	18.50	12.89	31.39	40.00	-8.61	100	29	
2		60.9710	19.99	13.03	33.02	40.00	-6.98	100	7	
3	*	71.0928	22.64	10.67	33.31	40.00	-6.69	200	51	
4		89.1669	22.59	11.85	34.44	43.50	-9.06	100	351	
5		118.3729	20.95	12.01	32.96	43.50	-10.54	100	137	
6		271.9914	10.30	15.57	25.87	46.00	-20.13	100	105	

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

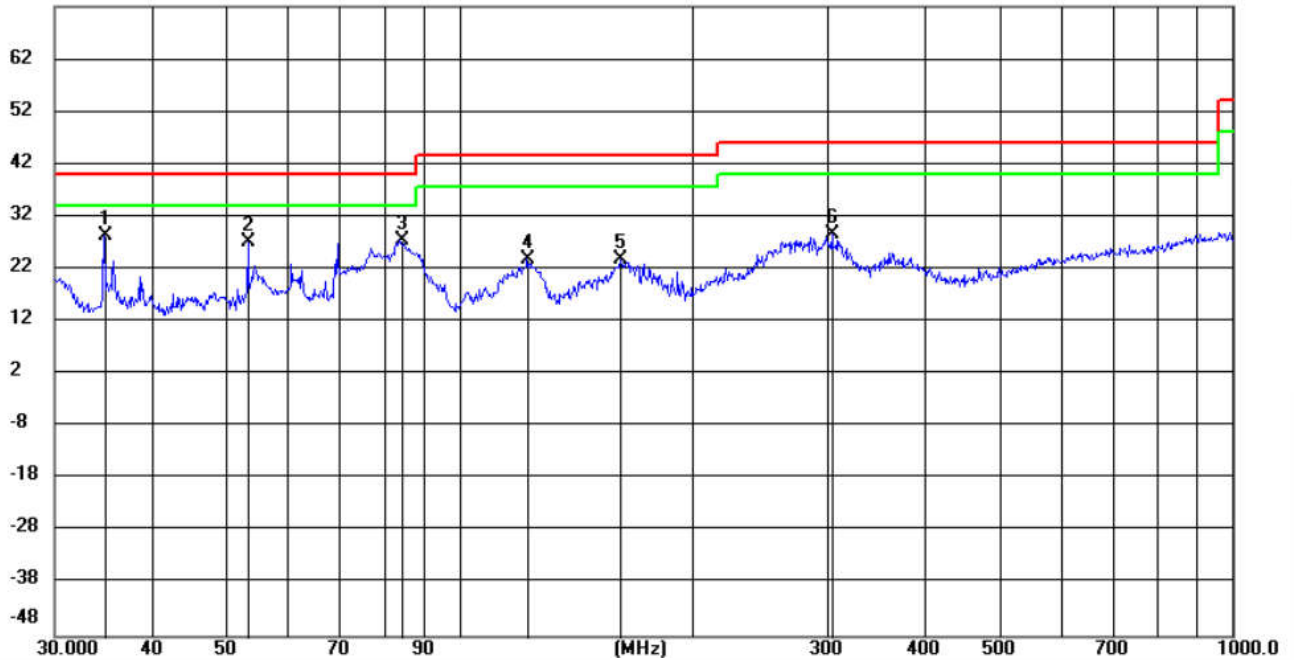
Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor



Measurement Data (Mode b):

Polarization: Horizontal

72.0 dBuV/m



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	*	34.7662	14.99	13.30	28.29	40.00	-11.71	QP	100	352	
2		53.4583	13.37	13.86	27.23	40.00	-12.77	QP	199	40	
3		84.1100	16.66	10.87	27.53	40.00	-12.47	QP	199	342	
4		122.8124	12.43	11.32	23.75	43.50	-19.75	QP	199	105	
5		161.9277	13.21	10.56	23.77	43.50	-19.73	QP	199	191	
6		304.2363	11.89	16.75	28.64	46.00	-17.36	QP	100	256	

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

72.0 dBuV/m



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		31.0597	18.94	12.81	31.75	40.00	-8.25	QP	100	137	
2	*	35.2203	21.37	13.36	34.73	40.00	-5.27	QP	100	7	
3		60.7363	19.58	13.09	32.67	40.00	-7.33	QP	100	50	
4		90.1098	21.53	12.07	33.60	43.50	-9.90	QP	100	72	
5		118.4144	20.91	12.01	32.92	43.50	-10.58	QP	100	180	
6		147.5847	19.26	9.67	28.93	43.50	-14.57	QP	100	94	

Remark:

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

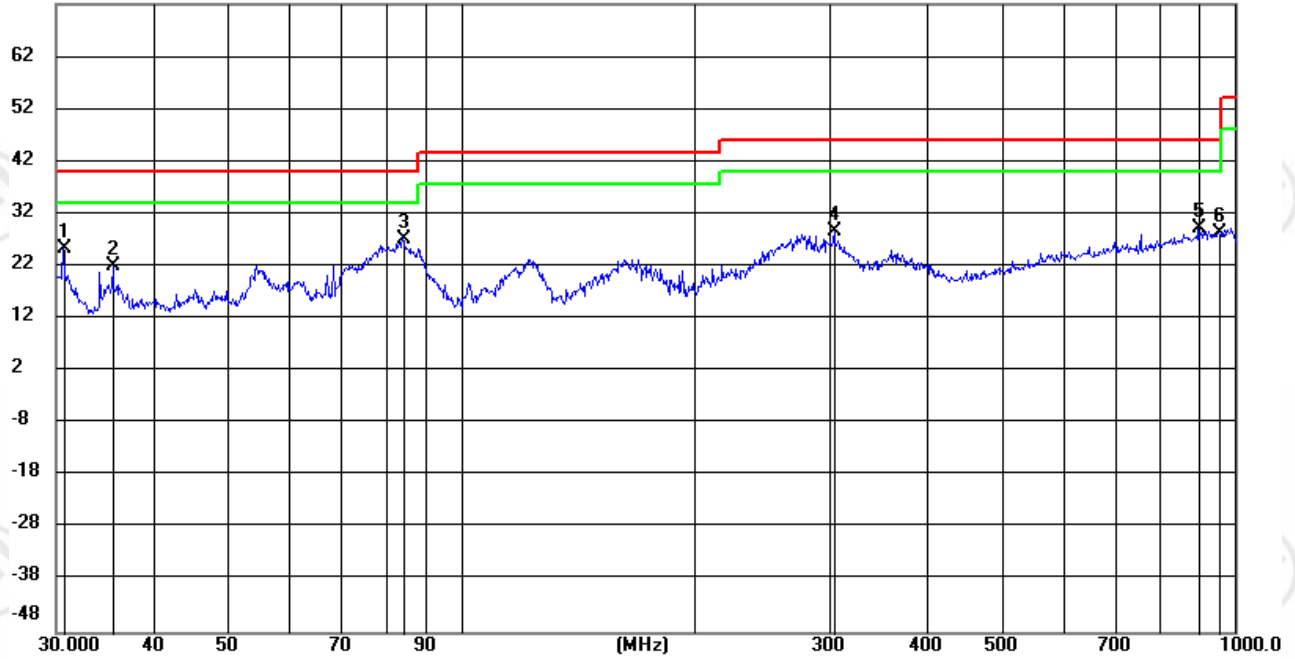
$$\text{Final Test Level} = \text{Receiver Reading} - \text{Correct Factor}$$

$$\text{Correct Factor} = \text{Pre-amplifier Factor} - \text{Antenna Factor} - \text{Cable Factor}$$

Measurement Data (Mode c):

Polarization: Horizontal

72.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		30.7077	12.47	12.76	25.23	40.00	-14.77	QP 199	200	
2		35.5366	8.79	13.40	22.19	40.00	-17.81	QP 199	221	
3	*	84.2428	16.40	10.90	27.30	40.00	-12.70	QP 199	328	
4		304.1830	11.78	16.75	28.53	46.00	-17.47	QP 100	266	
5		899.9896	1.82	27.41	29.23	46.00	-16.77	QP 100	203	
6		954.7683	0.50	27.73	28.23	46.00	-17.77	QP 100	63	

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:

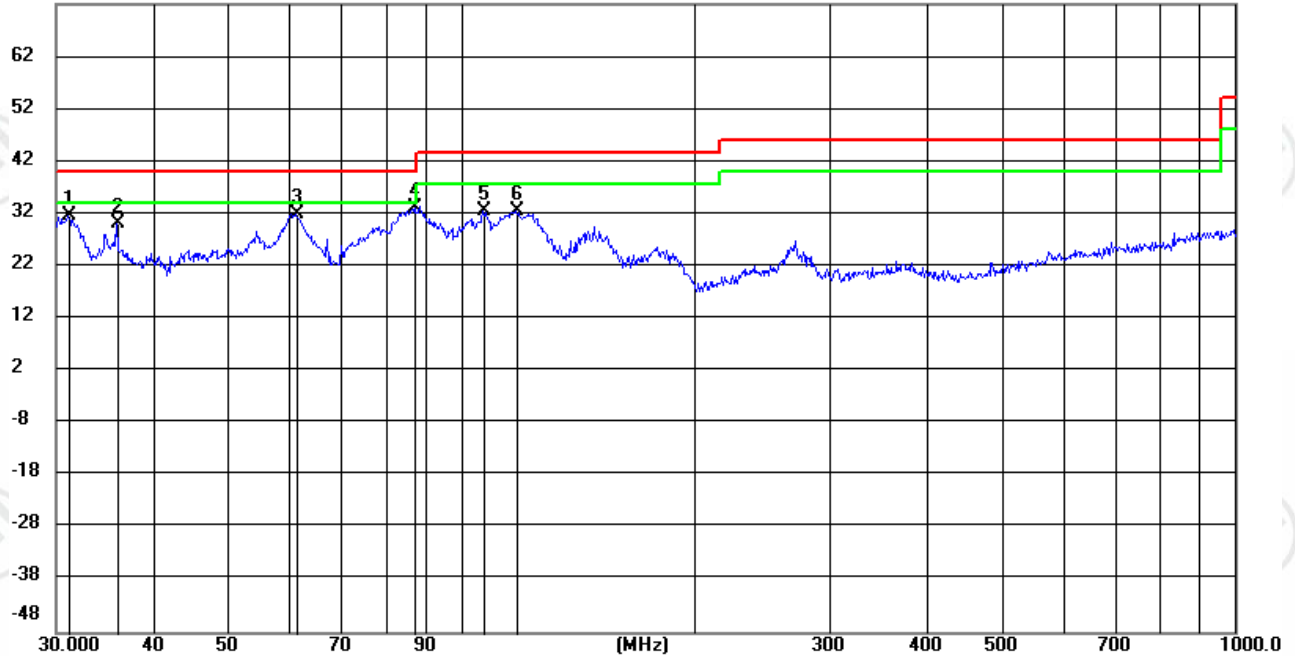
Final Test Level = Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor

Measurement Data (Mode c):

Polarization: Vertical

72.0 dBuV/m



Remark:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		31.0924	18.85	12.81	31.66	40.00	-8.34	QP	100	340	
2		35.9061	16.68	13.45	30.13	40.00	-9.87	QP	100	7	
3		61.2281	18.98	12.96	31.94	40.00	-8.06	QP	100	7	
4	*	87.2951	21.64	11.40	33.04	40.00	-6.96	QP	100	18	
5		107.0774	19.47	13.21	32.68	43.50	-10.82	QP	100	170	
6		117.8551	20.51	12.08	32.59	43.50	-10.91	QP	100	149	

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

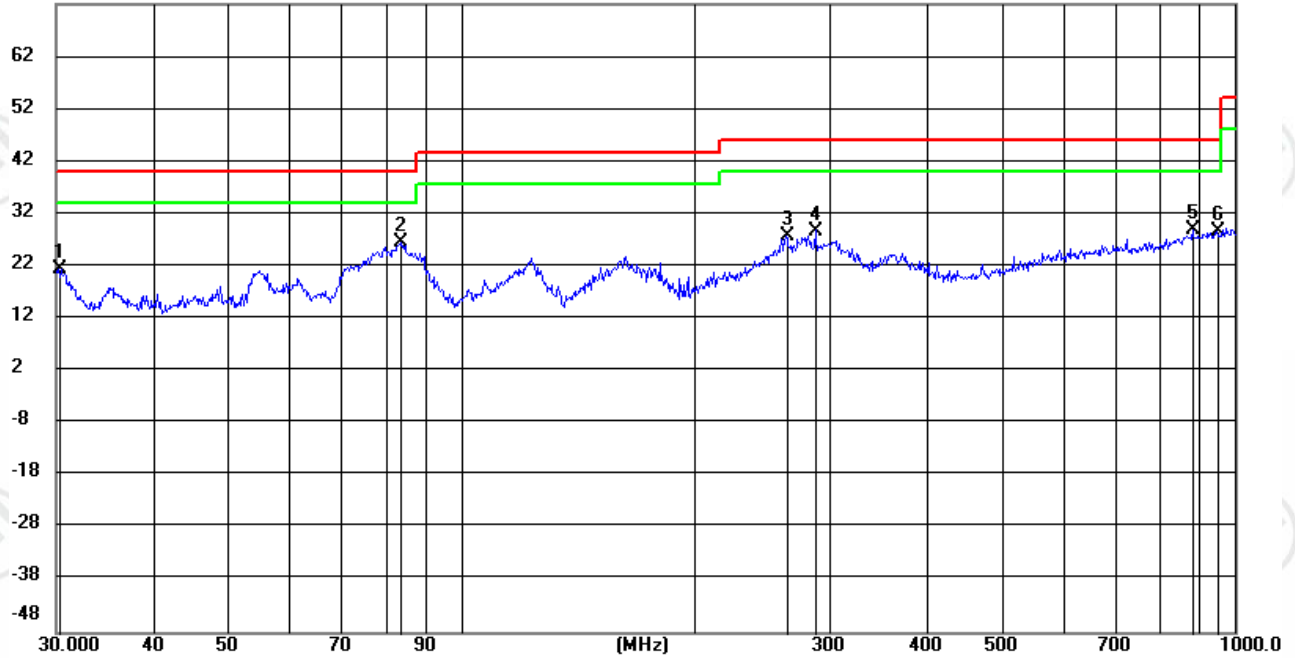
Correct Factor = Preamplifier Factor - Antenna Factor - Cable Factor



Measurement Data (Mode d):

Polarization: Horizontal

72.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		30.3119	8.81	12.71	21.52	40.00	-18.48	199	137	
2	*	83.5954	15.68	10.77	26.45	40.00	-13.55	199	331	
3		263.4491	12.48	15.22	27.70	46.00	-18.30	100	106	
4		287.9904	12.61	16.19	28.80	46.00	-17.20	100	267	
5		884.0377	1.77	27.15	28.92	46.00	-17.08	199	267	
6		951.5930	1.00	27.72	28.72	46.00	-17.28	100	170	

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:

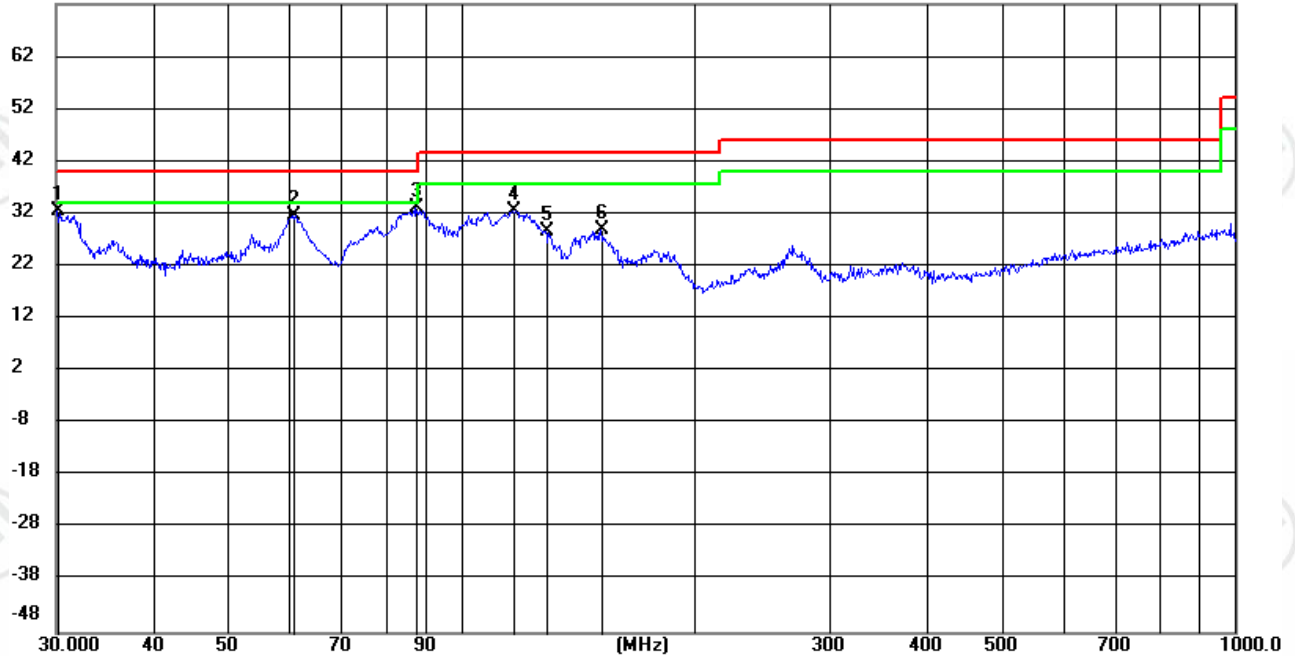
Final Test Level =Receiver Reading - Correct Factor

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/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	30.1900	19.72	12.69	32.41	40.00	-7.59	QP	100	221	
2	60.8322	18.72	13.06	31.78	40.00	-8.22	QP	100	351	
3 *	87.4330	21.76	11.43	33.19	40.00	-6.81	QP	100	39	
4	116.8880	20.31	12.20	32.51	43.50	-10.99	QP	100	211	
5	128.6757	18.48	10.31	28.79	43.50	-14.71	QP	100	189	
6	151.7834	19.04	9.80	28.84	43.50	-14.66	QP	100	136	

Remark:

1.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

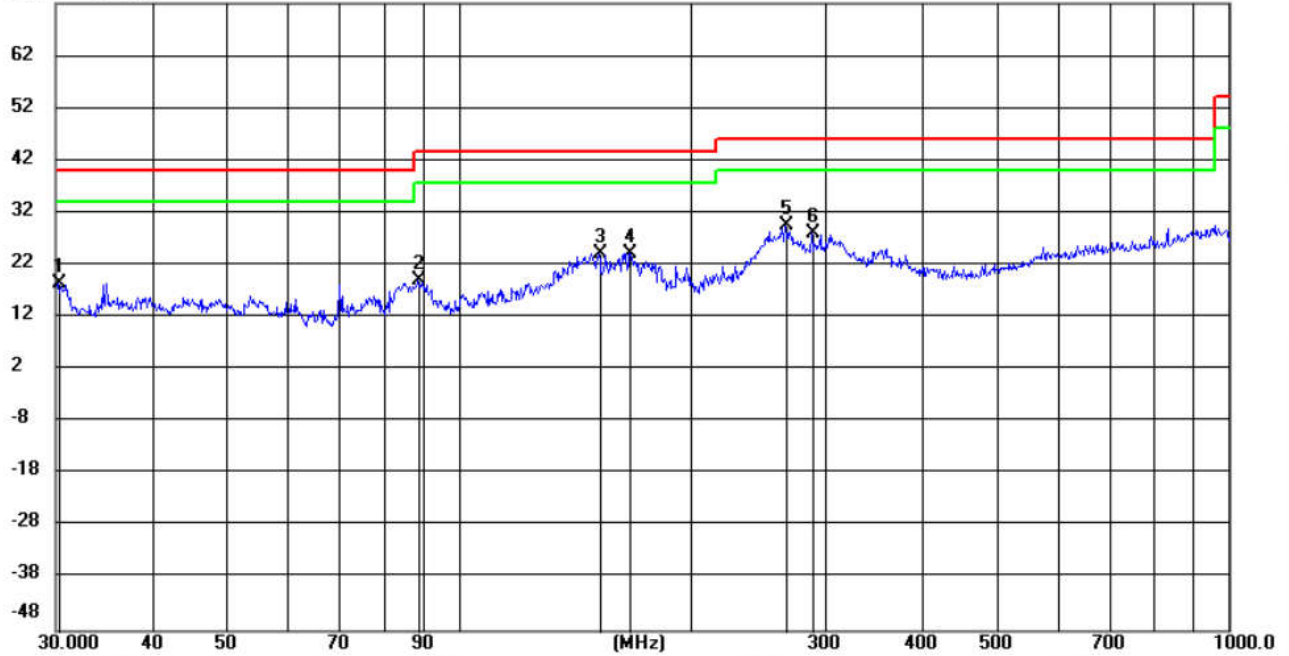
Correct Factor = Pre-amplifier Factor- Antenna Factor-Cable Factor

Adapter Model: XY24SR-240100VQ-UNIT

Measurement Data (Mode a):

Polarization: Horizontal

72.0 dBuV/m



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	Comment
1		30.2906	5.76	12.71	18.47	40.00	-21.53	199	102	
2		88.9637	7.19	11.84	19.03	43.50	-24.47	199	314	
3		152.5570	14.27	9.85	24.12	43.50	-19.38	100	257	
4		167.0902	12.92	11.30	24.22	43.50	-19.28	100	87	
5	*	265.9553	14.09	15.33	29.42	46.00	-16.58	100	76	
6		288.0409	11.87	16.20	28.07	46.00	-17.93	100	87	

Remark:

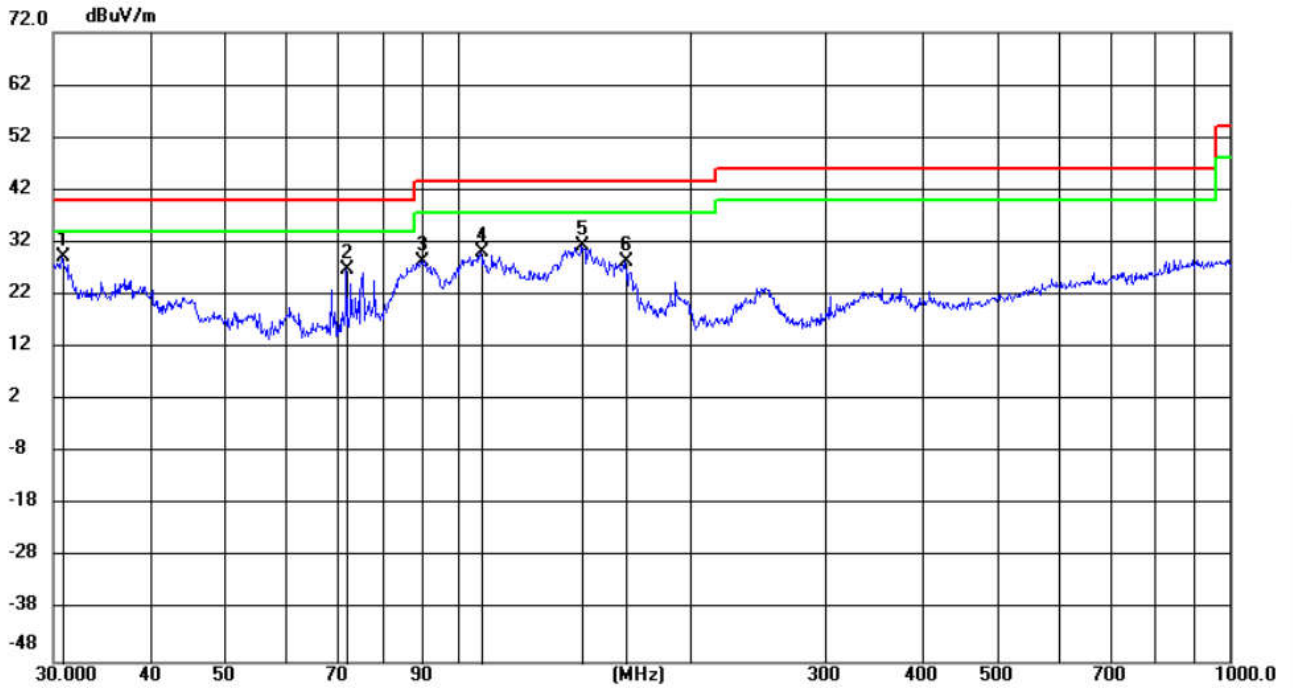
1.The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode a):

Polarization: Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	30.7671	16.51	12.77	29.28	40.00	-10.72	QP 100	177	
2		72.0085	16.15	10.56	26.71	40.00	-13.29	QP 100	307	
3		90.2047	16.18	12.08	28.26	43.50	-15.24	QP 100	359	
4		107.1901	17.04	13.20	30.24	43.50	-13.26	QP 100	28	
5		145.2232	21.65	9.65	31.30	43.50	-12.20	QP 100	103	
6		164.9364	17.28	10.99	28.27	43.50	-15.23	QP 100	135	

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:

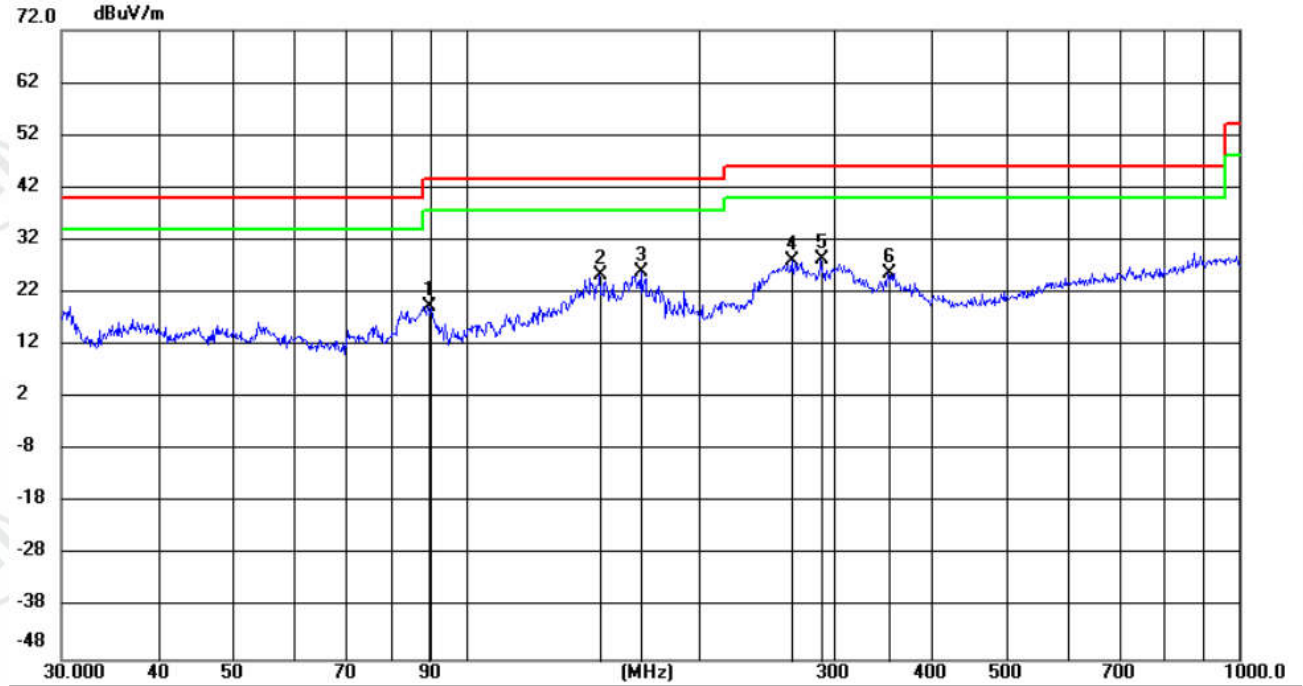
Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor



Measurement Data (Mode b):

Polarization: Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		89.4016	7.33	11.93	19.26	43.50	-24.24	QP	200	271	
2		149.3547	15.65	9.69	25.34	43.50	-18.16	QP	200	102	
3	*	168.5614	14.45	11.51	25.96	43.50	-17.54	QP	100	68	
4		264.5600	12.64	15.27	27.91	46.00	-18.09	QP	100	68	
5		288.0409	12.19	16.20	28.39	46.00	-17.61	QP	100	100	
6		352.1398	8.00	17.71	25.71	46.00	-20.29	QP	100	110	

Remark:

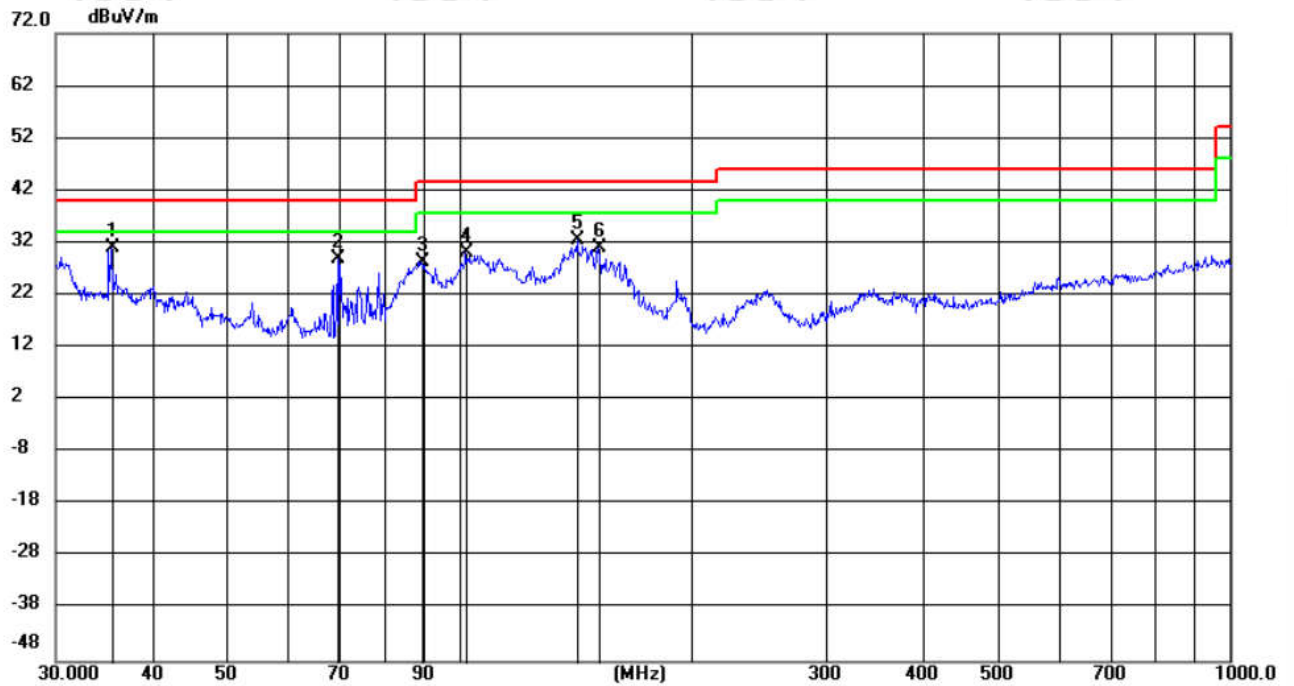
1. The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

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/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	*	35.4682	17.65	13.39	31.04	40.00	-8.96	QP	100	7	
2		69.6859	18.18	10.87	29.05	40.00	-10.95	QP	100	7	
3		89.3860	16.48	11.90	28.38	43.50	-15.12	QP	100	18	
4		102.2520	16.71	13.44	30.15	43.50	-13.35	QP	100	7	
5		142.7743	22.85	9.62	32.47	43.50	-11.03	QP	100	93	
6		151.7834	21.15	9.80	30.95	43.50	-12.55	QP	100	125	

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:

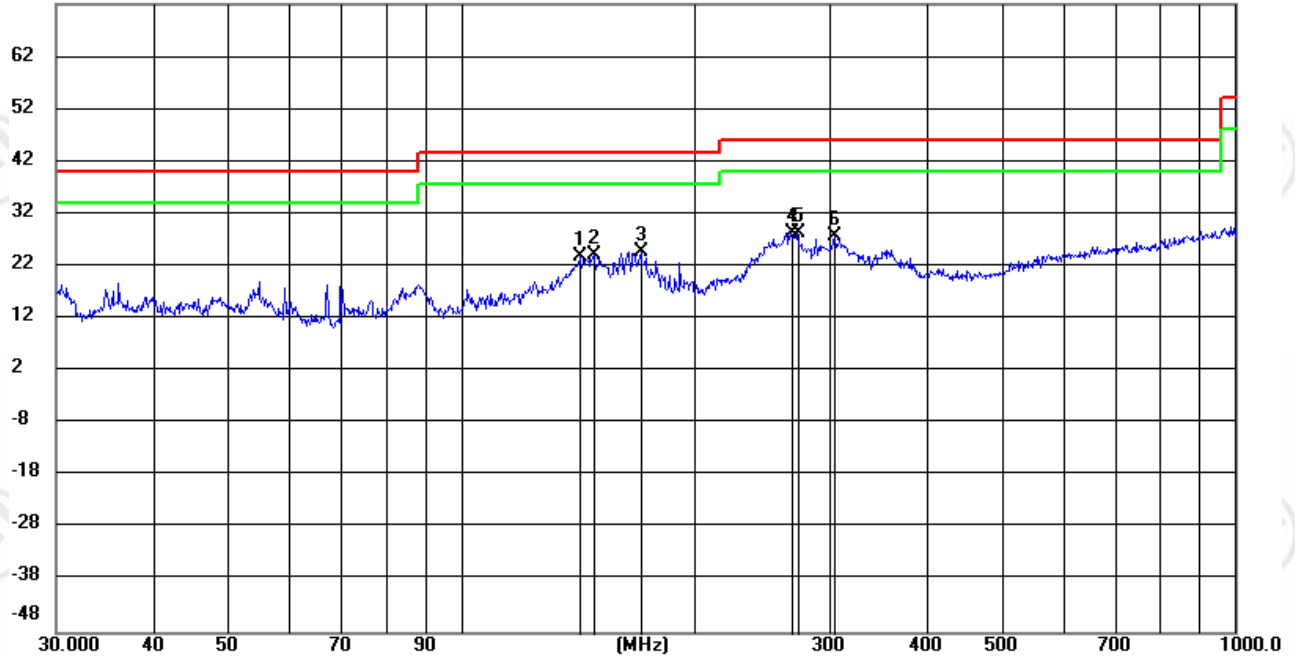
Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Measurement Data (Mode c):

Polarization: Horizontal

72.0 dBuV/m



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		142.5990	14.31	9.62	23.93	43.50	-19.57	QP	200	82	
2		148.8580	14.51	9.69	24.20	43.50	-19.30	QP	200	276	
3		171.1223	13.04	11.74	24.78	43.50	-18.72	QP	100	78	
4		267.3578	12.92	15.37	28.29	46.00	-17.71	QP	100	68	
5	*	272.6598	12.72	15.59	28.31	46.00	-17.69	QP	100	78	
6		304.2896	10.95	16.75	27.70	46.00	-18.30	QP	100	78	

Remark:

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

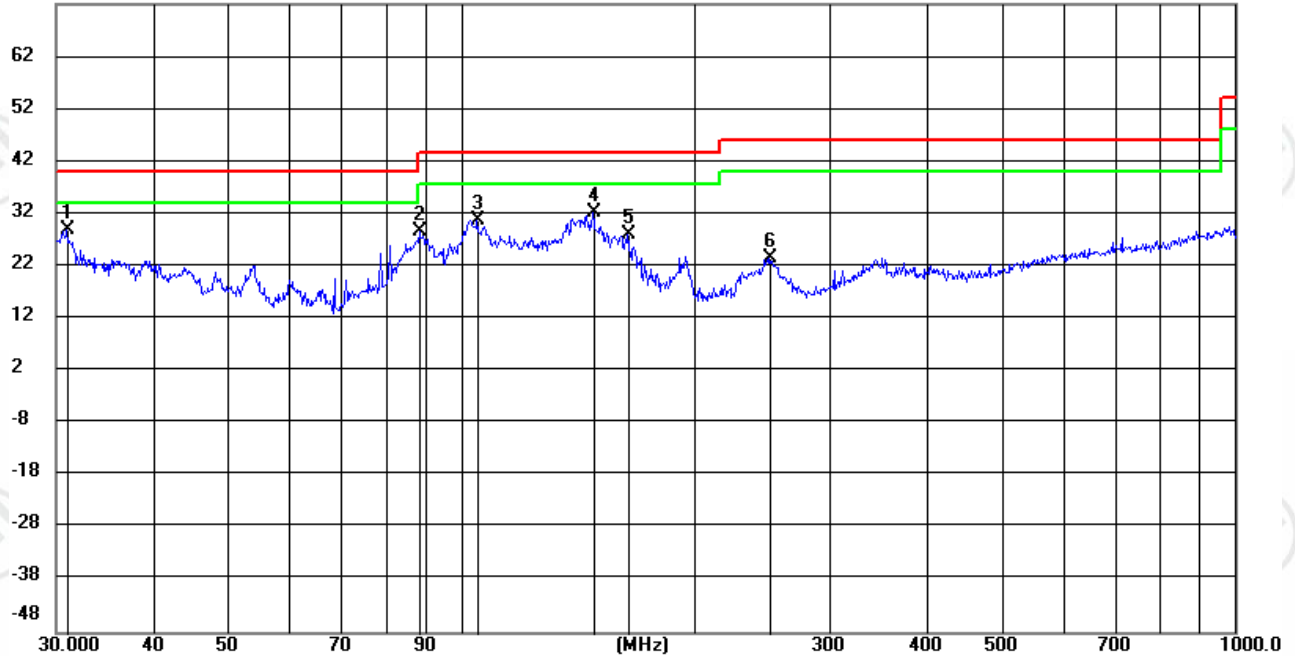
Final Test Level =Receiver Reading - Correct Factor

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

Measurement Data (Mode c):

Polarization: Vertical

72.0 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	30.9782	16.09	12.80	28.89	40.00	-11.11	QP	100	146
2		88.5903	17.02	11.71	28.73	43.50	-14.77	QP	100	28
3		105.2348	17.42	13.30	30.72	43.50	-12.78	QP	100	18
4		148.0512	22.54	9.68	32.22	43.50	-11.28	QP	100	103
5		164.4743	17.20	10.93	28.13	43.50	-15.37	QP	100	146
6		250.8723	8.85	14.73	23.58	46.00	-22.42	QP	200	97

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

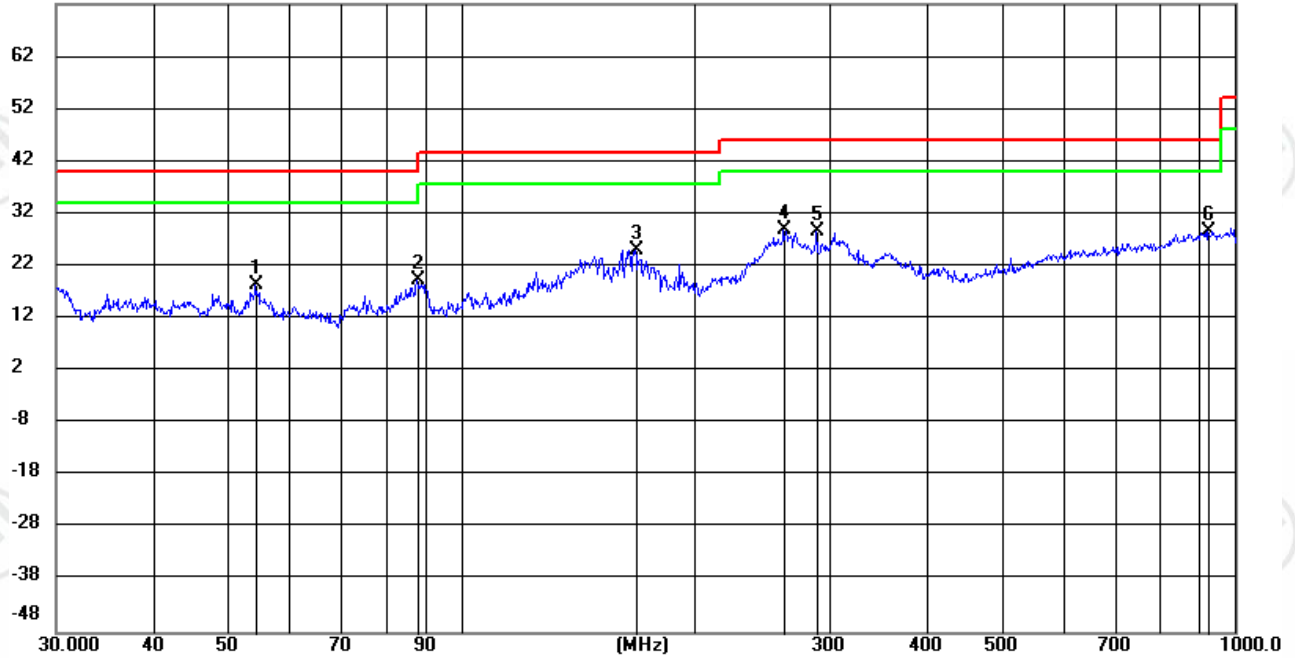
Correct Factor = Preamplifier Factor- Antenna Factor-Cable Factor



Measurement Data (Mode d):

Polarization: Horizontal

72.0 dBuV/m



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1		54.3752	4.68	13.77	18.45	40.00	-21.55	QP	199	295	
2		87.8478	7.82	11.62	19.44	40.00	-20.56	QP	199	273	
3		167.8831	13.68	11.41	25.09	43.50	-18.41	QP	100	79	
4	*	261.2872	13.87	15.13	29.00	46.00	-17.00	QP	100	79	
5		288.0914	12.48	16.20	28.68	46.00	-17.32	QP	100	269	
6		923.4867	1.22	27.55	28.77	46.00	-17.23	QP	100	174	

Remark:

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

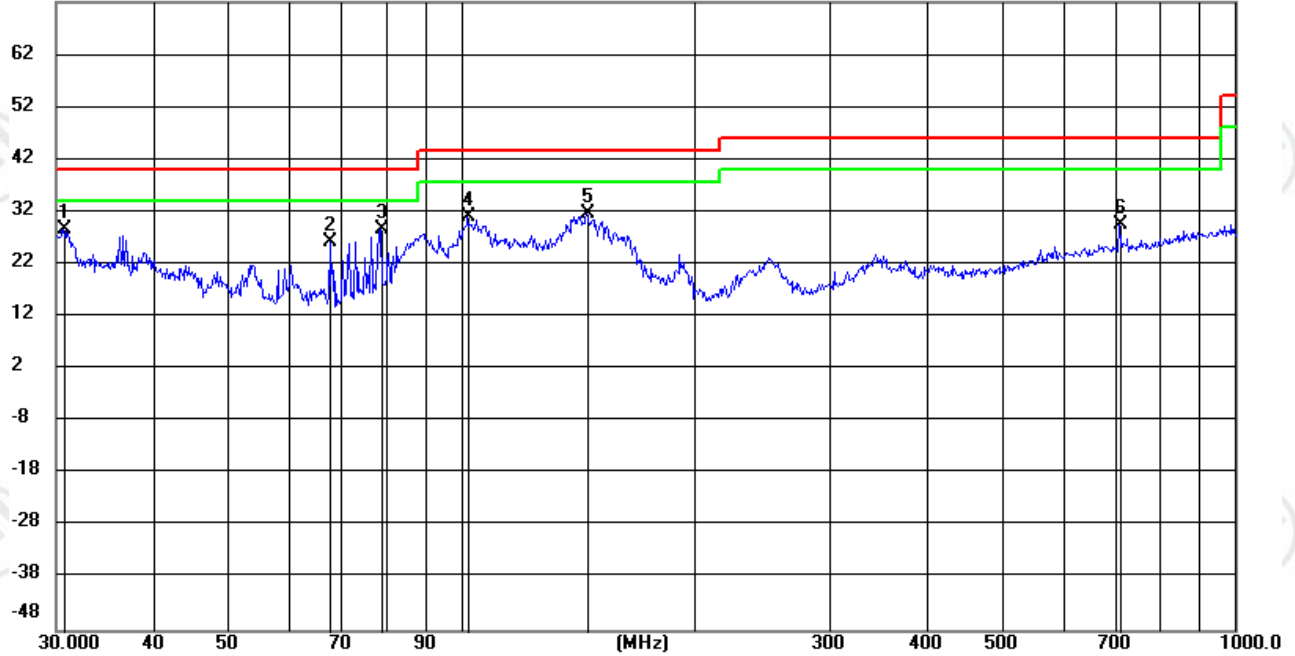
Final Test Level = Receiver Reading - Correct Factor

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

Measurement Data (Mode d):

Polarization: Vertical

72.0 dBuV/m



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	30.7024	15.92	12.76	28.68	40.00	-11.32	QP	100	360	
2	67.7345	14.93	11.35	26.28	40.00	-13.72	QP	100	146	
3 *	78.7716	18.94	9.79	28.73	40.00	-11.27	QP	100	146	
4	102.2699	17.51	13.44	30.95	43.50	-12.55	QP	100	17	
5	145.6056	22.00	9.65	31.65	43.50	-11.85	QP	100	92	
6	711.4239	5.19	24.40	29.59	46.00	-16.41	QP	200	352	

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