

TEST REPORT

Applicant: AKUVOX (XIAMEN) NETWORKS CO., LTD.

Address: 10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China

FCC ID: 2AHCR-R20BV2

Product Name: Door Phone

Model Number: R20BX5 , R20BX4, R20BX3, R20BX2

Standard(s): 47 CFR Part 15, Subpart C
ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: CR220944127-00B

Date Of Issue: 2022-10-29

Reviewed By: Sun Zhong

Sun Zhong

Title: Manager

Test Laboratory: China Certification ICT Co., Ltd (Dongguan)
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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Door Phone
EUT Model:	R20BX5
Multiple Model(s):	R20BX4, R20BX3, R20BX2
Rated Input Voltage:	DC 12V or 48Vdc from POE
Serial Number:	CR220944127-RF-S1
EUT Received Date:	2022.10.10
EUT Received Status:	Good
Note: The Multiple models are electrically identical with the test model. Please refer to the declaration letter for more detail, which was provided by manufacturer.	

Operation Frequency Detail:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	0.125	/	/

Antenna Information Detail▲:

Antenna Type	input impedance (Ohm)	Antenna Gain /Frequency Range	§15.203 Requirement
Coil	50	Unknown	Compliance
The Method of §15.203 Compliance: ☒ Antenna must be permanently attached to the unit. ☐ Antenna must use a unique type of connector to attach to the EUT. ☐ Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.			

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
RJ45 Cable	Unknown	Unknown	Unshielded, 0.5m

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:	No
EUT Exercise Software:	No
Engineering Mode was provided by manufacturer▲. The maximum power was configured default setting.	

1.2.2 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
DELL	Laptop	E6410	G4JJPM1
TOTO LINK	Router	X5000R	X5000RK9T0560
HUAWEI	Adapter(POE)	POE35-56A	POE21103004
AKUVOX	Card reader(WG)	N5632	MN52P0024
Unknown	Load 1	20W	2001
Unknown	Load 2	20W	2002
DJI	Adapter	QC24-EU	A211105009

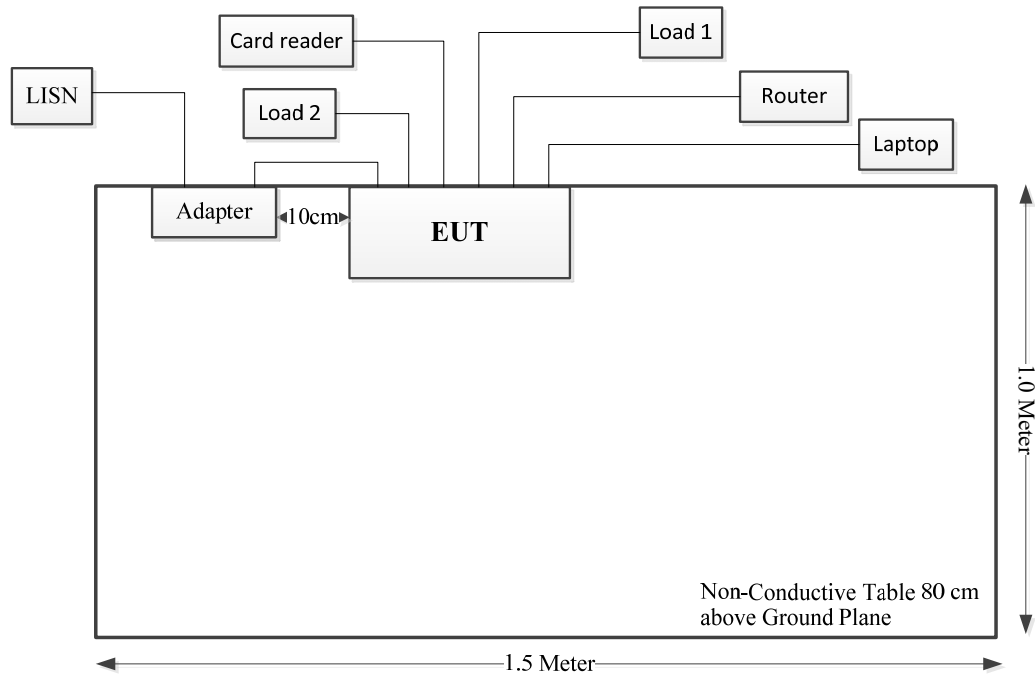
1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Cable	No	No	2	EUT(Door)	Load 1
Cable	No	No	2	EUT(Relay)	Load 2
Cable	No	No	2	EUT(RS485)	Laptop
Cable	No	No	1.8	EUT(WG)	Card reader(WG)
RJ45 Cable	No	Yes	3	EUT	Router
RJ45 Cable	No	No	1	EUT	POE
RJ45 Cable	No	Yes	3	Router	POE
Power Cable	No	Yes	1	EUT	Adapter
Power Cable	No	No	1.2	LISN	Adapter

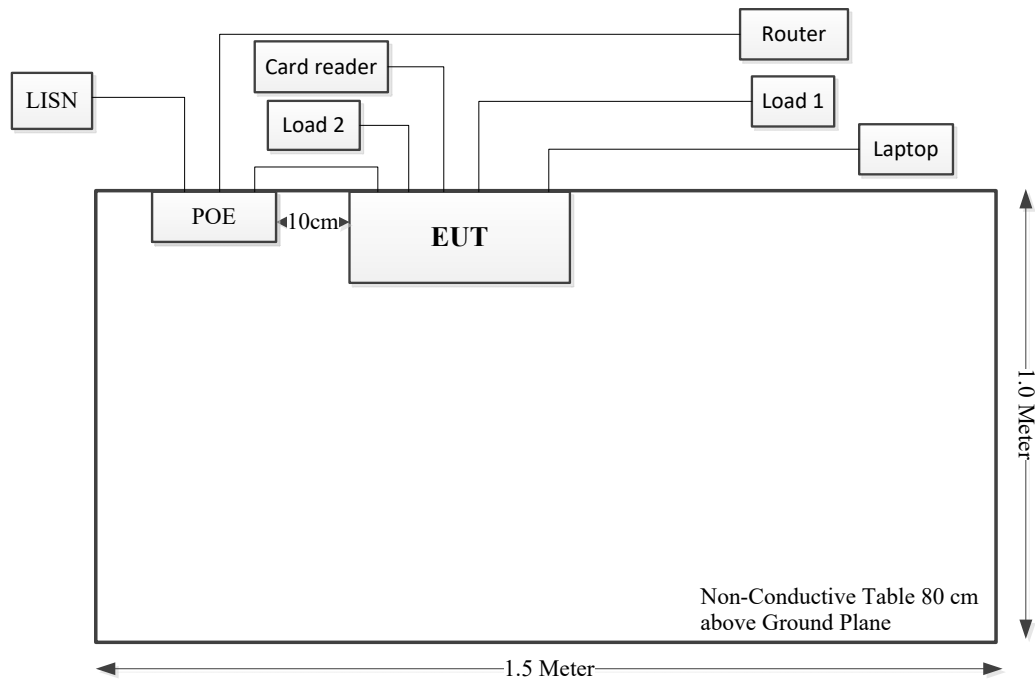
1.2.4 Block Diagram of Test Setup

Conducted emissions:

Adapter:

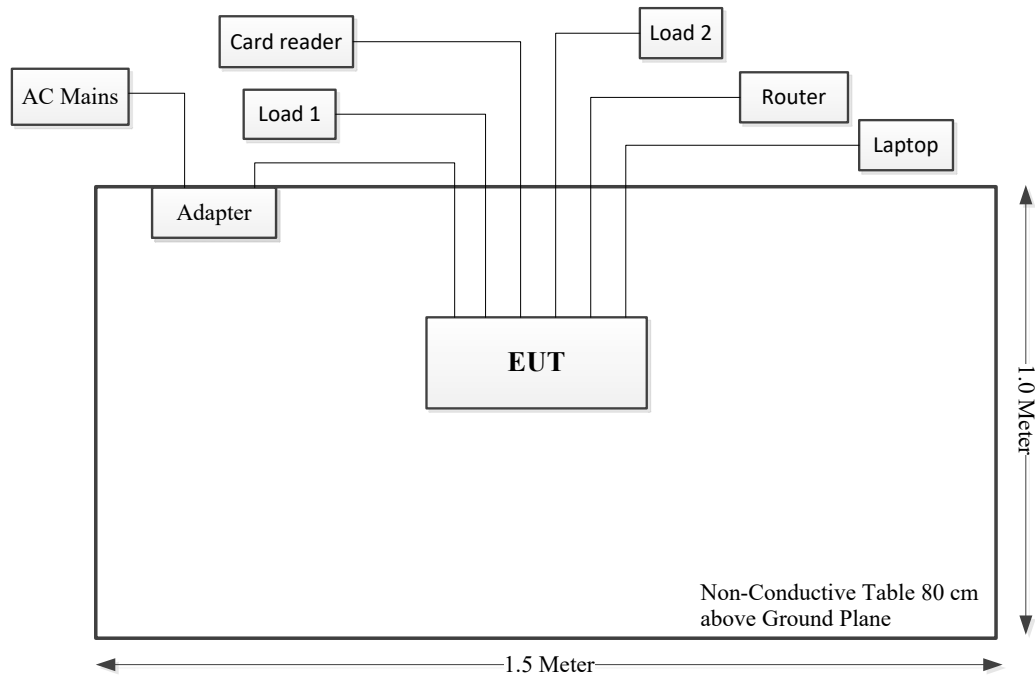


POE:

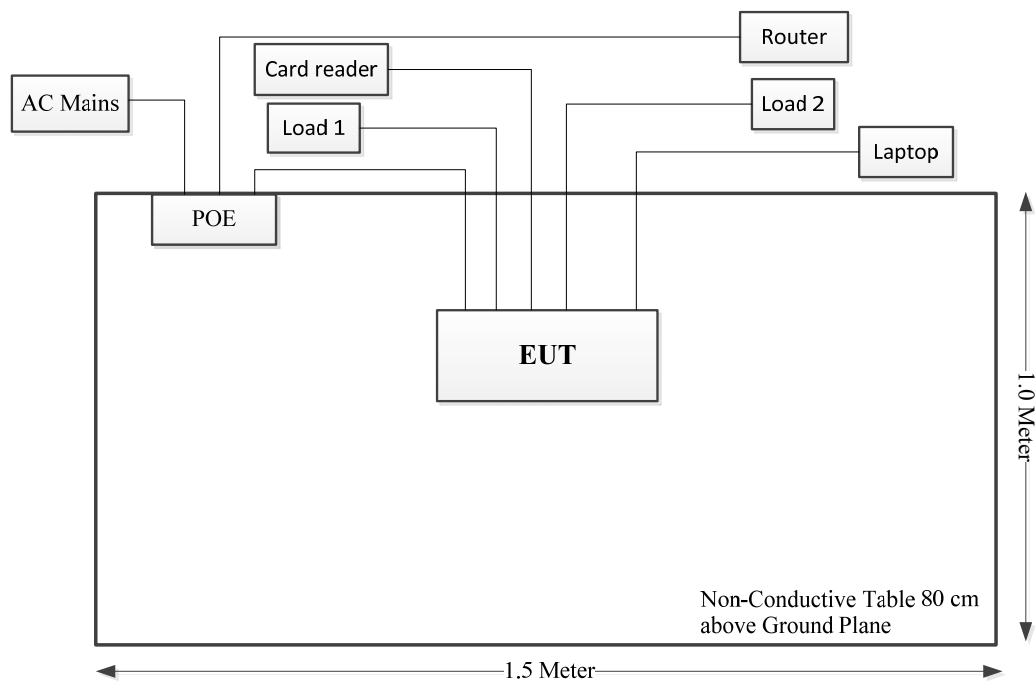


Radiated emissions:

Adapter:



POE



1.3 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Parameter	Measurement Uncertainty
radiated Emissions	9kHz~30MHz: 4.12dB 30M~200MHz: 4.15 dB,200M~1GHz: 5.61 dB,1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB,18G~26.5G:5.47 dB,26.5G~40G:5.63 dB
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

Standard(s) Section	Description of Test	Result
FCC§15.207	AC Line Conducted Emission	Compliance
FCC§15.209 §15.205	Radiated Emission Test	Compliance
FCC§15.203	Antenna Requirement	Compliance

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

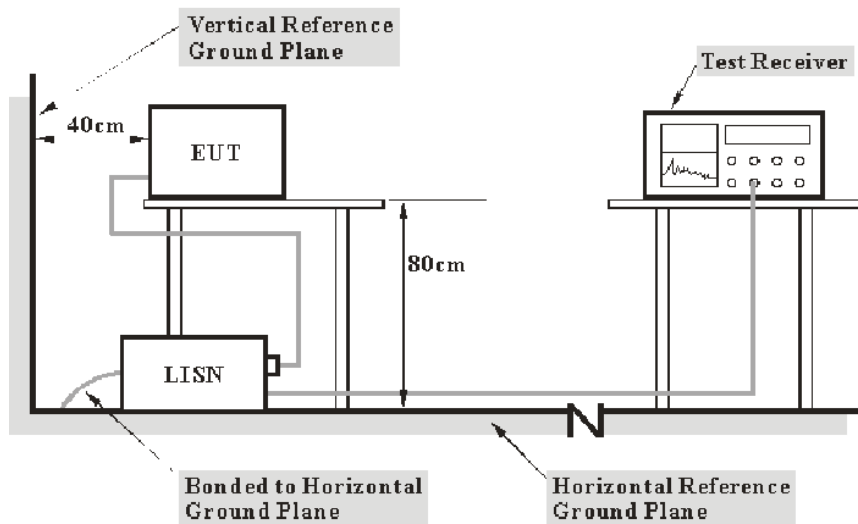
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ H/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

3.1.2 EUT Setup



Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

The adapter or EUT was connected to the main LISN with 120 V/60 Hz AC power source.

3.1.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

3.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase (“hot”) line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

3.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = attenuation caused by cable loss + voltage division factor of AMN

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.2 Radiation Spurious Emissions

3.2.1 Applicable Standard

FCC §15.209

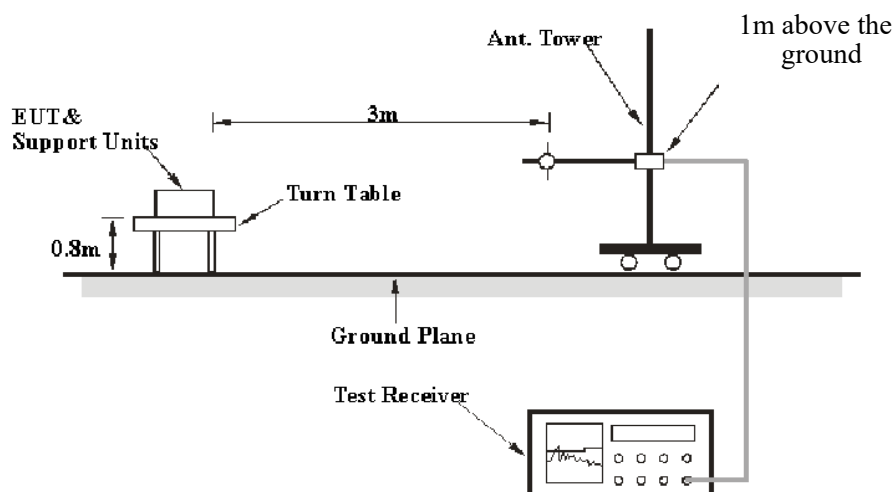
(a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	$2400/F(\text{kHz})$	300
0.490-1.705	$24000/F(\text{kHz})$	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

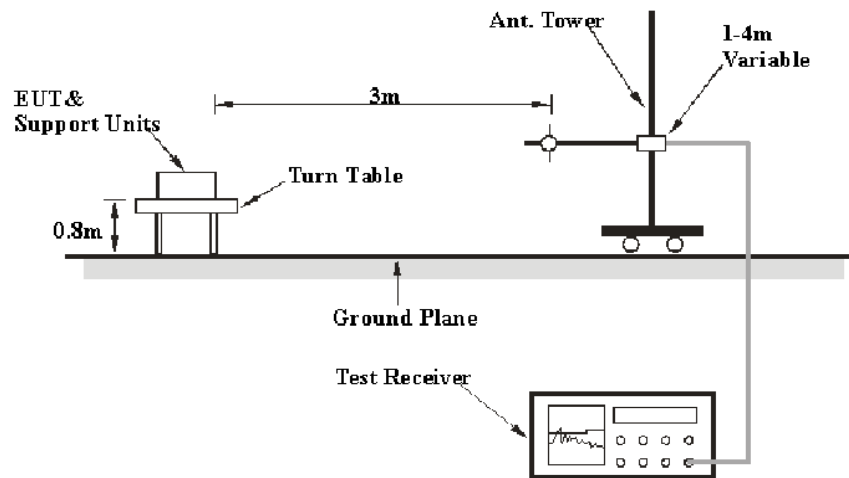
**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§15.231 and 15.241.

3.2.2 EUT Setup

9kHz-30MHz:



30MHz-1GHz:



The radiated emission tests were performed in the 3-meter chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209 limits.

The spacing between the peripherals was 10 cm.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 1 GHz.

During the radiated emission test, the EMI test Receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	Measurement
9 kHz – 150 kHz	200 Hz	1 kHz	QP/Average
150 kHz – 30 MHz	9 kHz	30 kHz	QP/Average
30 MHz – 1000 MHz	120 kHz	300 kHz	QP

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

If the maximized peak measured value complies with the limit, then it is unnecessary to perform an QP/Average measurement

3.2.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = Antenna Factor + Cable Loss- Amplifier Gain

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

3.3 Antenna Requirement

3.3.1 Applicable Standard

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.3.2 Judgment

Please refer to the Antenna Information detail in Section 1.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	CR220944127-RF-S1	Test Date:	2022/10/13
Test Site:	CE	Test Mode:	Transmitting
Tester:	Vic Du	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.2	Relative Humidity: (%)	49	ATM Pressure: (kPa)	100.9
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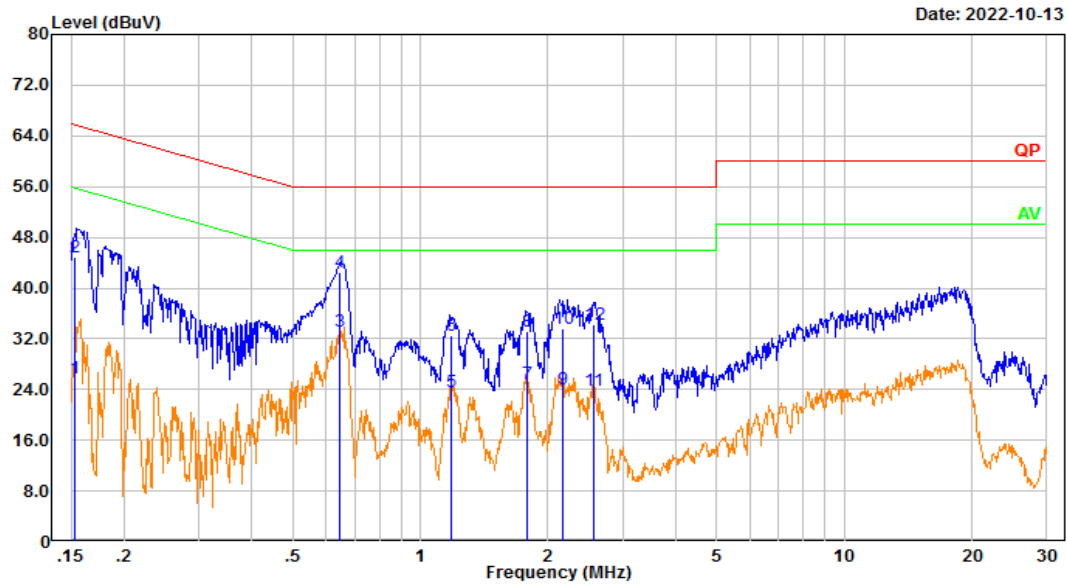
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2022/04/01	2023/03/31
R&S	EMI Test Receiver	ESR3	102726	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2022/08/07	2023/08/06
Audix	Test Software	E3	190306 (V9)	N/A	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

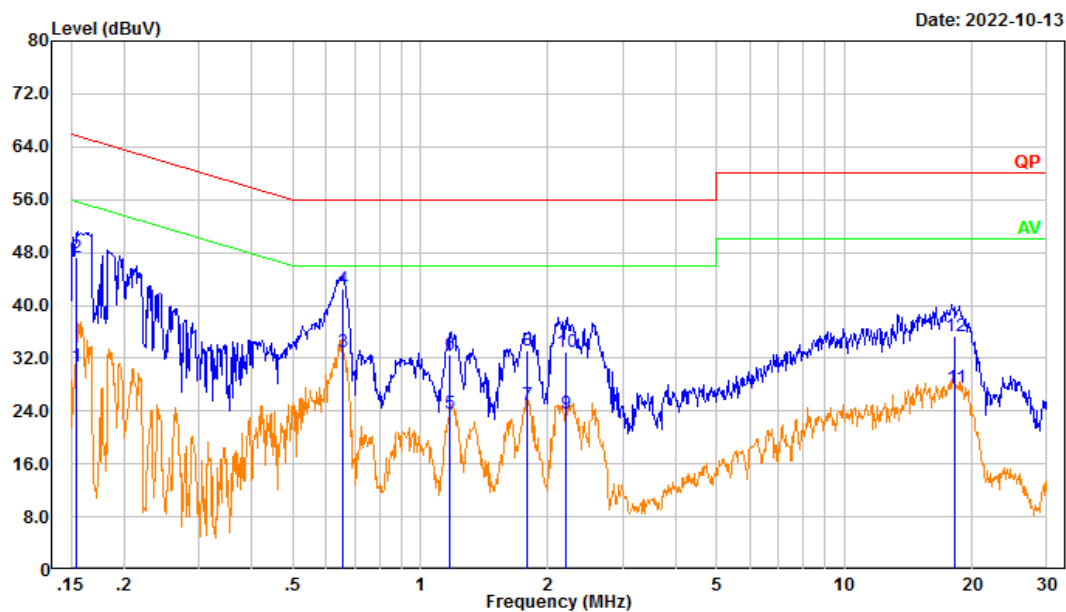
POE:

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.153	16.29	9.61	25.90	55.82	29.92	Average
2	0.153	35.18	9.61	44.79	65.82	21.03	QP
3	0.648	23.62	9.62	33.24	46.00	12.76	Average
4	0.648	32.83	9.62	42.45	56.00	13.55	QP
5	1.184	14.08	9.62	23.70	46.00	22.30	Average
6	1.184	22.94	9.62	32.56	56.00	23.44	QP
7	1.791	15.32	9.63	24.95	46.00	21.05	Average
8	1.791	23.59	9.63	33.22	56.00	22.78	QP
9	2.160	14.44	9.63	24.07	46.00	21.93	Average
10	2.160	24.08	9.63	33.71	56.00	22.29	QP
11	2.561	14.30	9.64	23.94	46.00	22.06	Average
12	2.561	24.63	9.64	34.27	56.00	21.73	QP

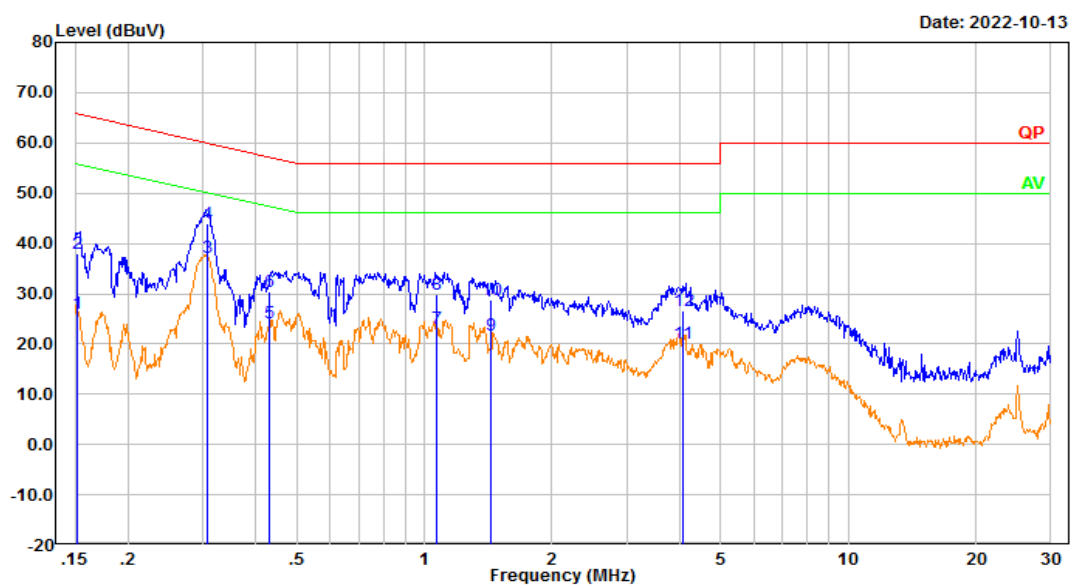
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.154	21.07	9.61	30.68	55.76	25.08	Average
2	0.154	37.65	9.61	47.26	65.76	18.50	QP
3	0.656	23.36	9.62	32.98	46.00	13.02	Average
4	0.656	32.84	9.62	42.46	56.00	13.54	QP
5	1.174	14.00	9.62	23.62	46.00	22.38	Average
6	1.174	22.90	9.62	32.52	56.00	23.48	QP
7	1.779	15.34	9.63	24.97	46.00	21.03	Average
8	1.779	23.48	9.63	33.11	56.00	22.89	QP
9	2.212	13.97	9.63	23.60	46.00	22.40	Average
10	2.212	23.29	9.63	32.92	56.00	23.08	QP
11	18.271	17.87	9.69	27.56	50.00	22.44	Average
12	18.271	25.66	9.69	35.35	60.00	24.65	QP

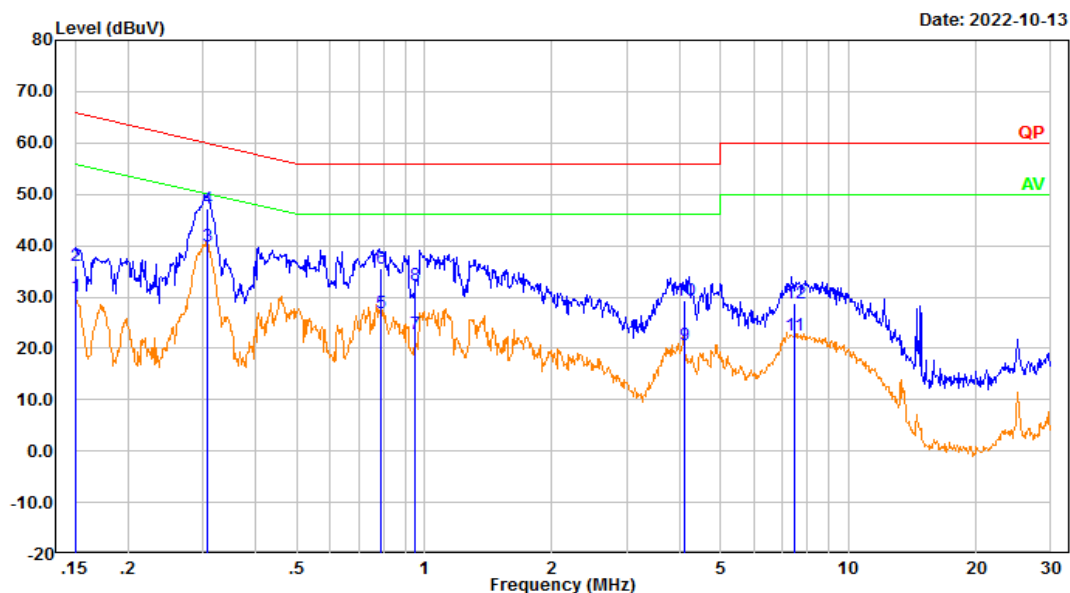
Adapter:

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.152	16.44	9.61	26.05	55.90	29.85	Average
2	0.152	28.47	9.61	38.08	65.90	27.82	QP
3	0.308	27.66	9.61	37.27	50.02	12.75	Average
4	0.308	34.29	9.61	43.90	60.02	16.12	QP
5	0.430	14.50	9.61	24.11	47.25	23.14	Average
6	0.430	20.90	9.61	30.51	57.25	26.74	QP
7	1.068	13.47	9.62	23.09	46.00	22.91	Average
8	1.068	20.38	9.62	30.00	56.00	26.00	QP
9	1.436	12.18	9.62	21.80	46.00	24.20	Average
10	1.436	19.20	9.62	28.82	56.00	27.18	QP
11	4.062	10.50	9.65	20.15	46.00	25.85	Average
12	4.062	17.04	9.65	26.69	56.00	29.31	QP

Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.150	20.40	9.61	30.01	55.98	25.97	Average
2	0.150	26.44	9.61	36.05	65.98	29.93	QP
3	0.307	30.36	9.61	39.97	50.06	10.09	Average
4	0.307	37.72	9.61	47.33	60.06	12.73	QP
5	0.788	17.26	9.62	26.88	46.00	19.12	Average
6	0.788	25.82	9.62	35.44	56.00	20.56	QP
7	0.949	13.08	9.62	22.70	46.00	23.30	Average
8	0.949	22.57	9.62	32.19	56.00	23.81	QP
9	4.102	11.01	9.65	20.66	46.00	25.34	Average
10	4.102	19.61	9.65	29.26	56.00	26.74	QP
11	7.467	12.93	9.66	22.59	50.00	27.41	Average
12	7.467	19.21	9.66	28.87	60.00	31.13	QP

4.2 Radiation Spurious Emissions

Serial Number:	CR220944127-RF-S1	Test Date:	2022/10/15~2022/10/17
Test Site:	966-2	Test Mode:	Transmitting
Tester:	Carl Xue	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.4~26.7	Relative Humidity: (%)	46~51	ATM Pressure: (kPa)	100.5~100.7
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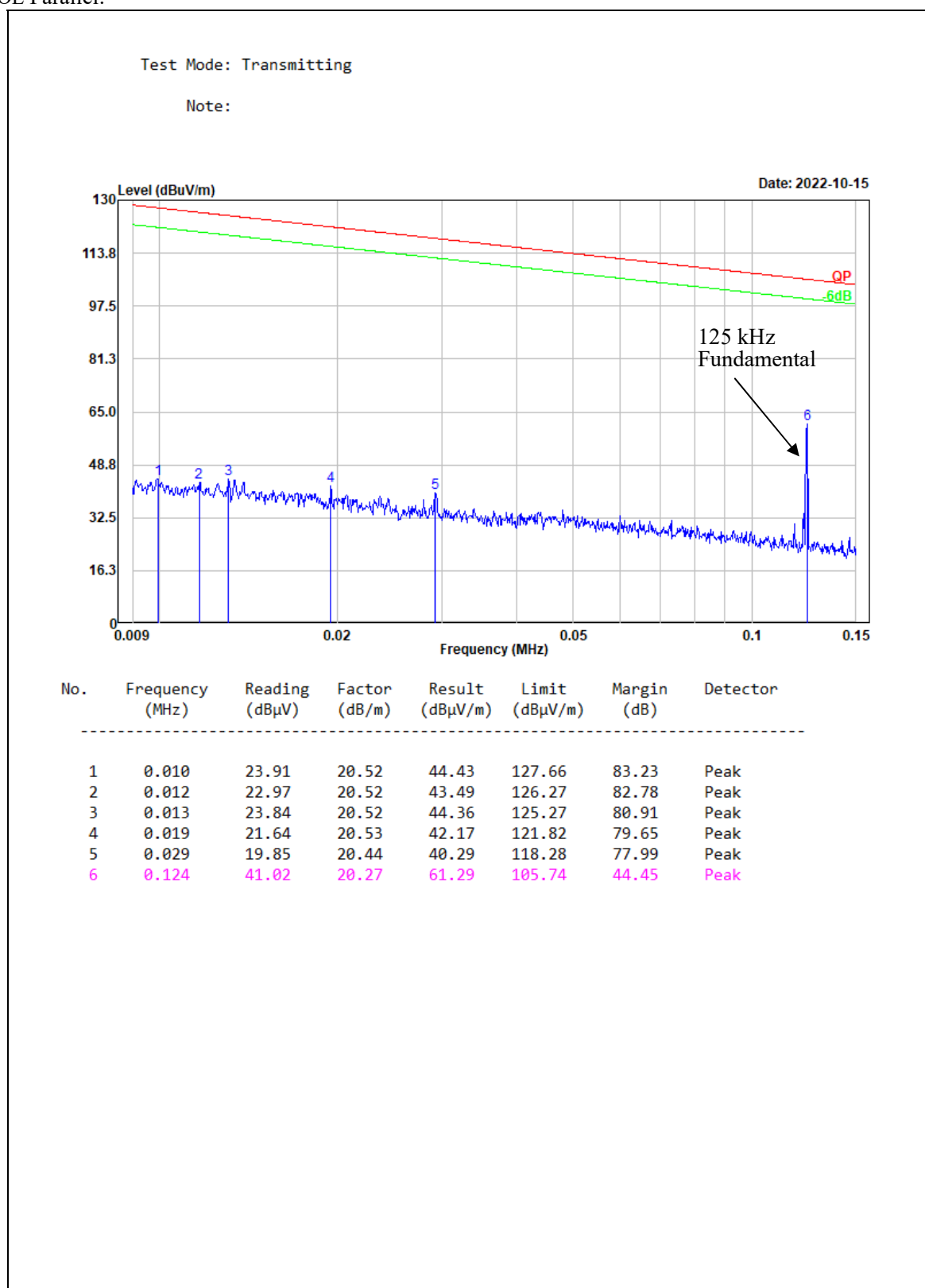
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
TESEQ	HF Loop Antenna	HLA6120	33561	2021/02/03	2024/02/02
Sunol Sciences	Antenna	JB6	A082520-5	2020/10/19	2023/10/18
R&S	EMI Test Receiver	ESR3	102724	2022/07/15	2023/07/14
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2022/07/17	2023/07/16
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2022/07/17	2023/07/16
Sonoma	Amplifier	310N	186165	2022/07/17	2023/07/16
Audix	Test Software	E3	201021 (V9)	N/A	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

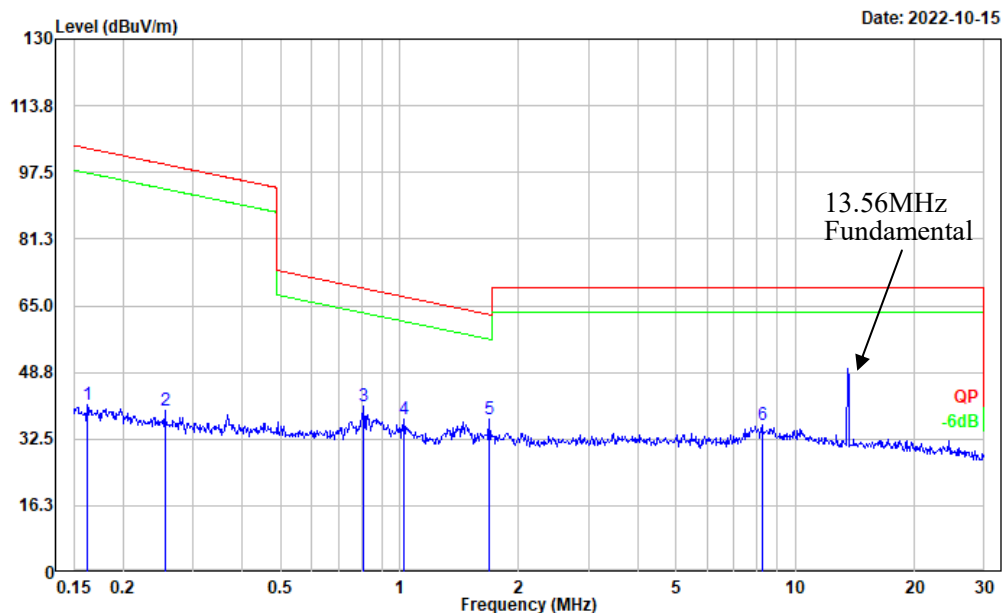
1) 9kHz-30MHz:

POE Parallel:



Test Mode: Transmitting

Note:

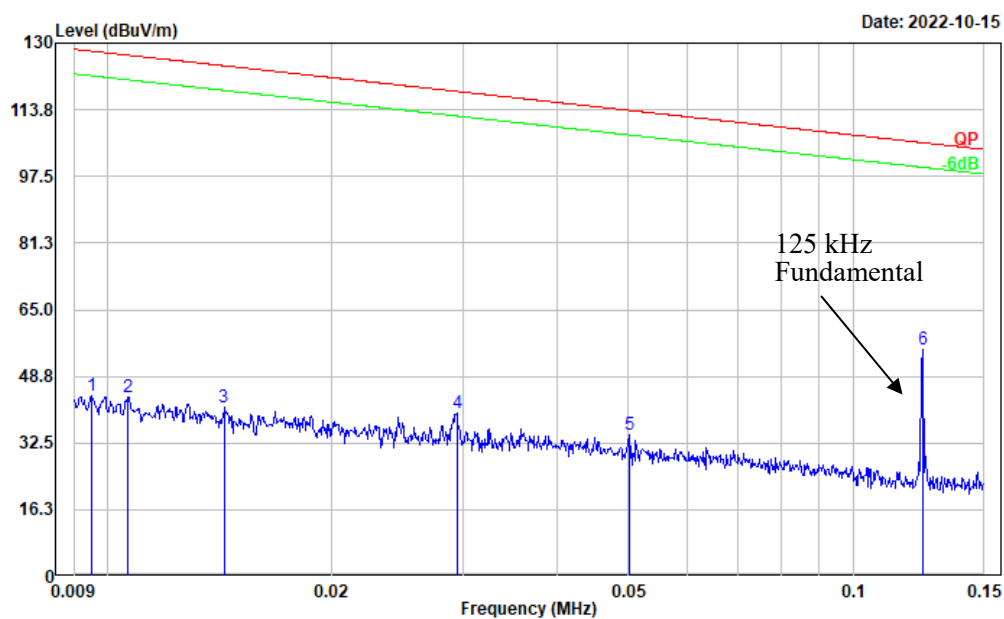


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.162	20.49	20.27	40.76	103.39	62.63	Peak
2	0.255	19.22	20.18	39.40	99.48	60.08	Peak
3	0.809	20.24	20.10	40.34	69.36	29.02	Peak
4	1.021	17.39	20.11	37.50	67.29	29.79	Peak
5	1.689	17.40	20.04	37.44	62.82	25.38	Peak
6	8.235	15.61	20.26	35.87	69.54	33.67	Peak

POE Perpendicular:

Test Mode: Transmitting

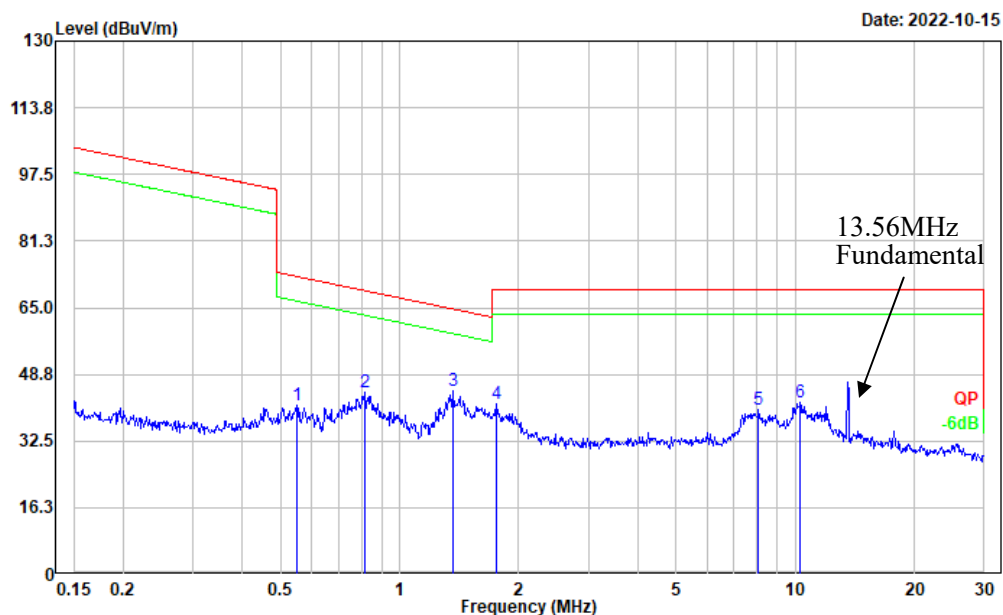
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.009	23.38	20.51	43.89	128.06	84.17	Peak
2	0.011	23.31	20.52	43.83	127.05	83.22	Peak
3	0.014	20.59	20.52	41.11	124.49	83.38	Peak
4	0.029	19.52	20.44	39.96	118.23	78.27	Peak
5	0.050	14.11	20.45	34.56	113.61	79.05	Peak
6	0.124	35.05	20.27	55.32	105.74	50.42	Peak

Test Mode: Transmitting

Note:

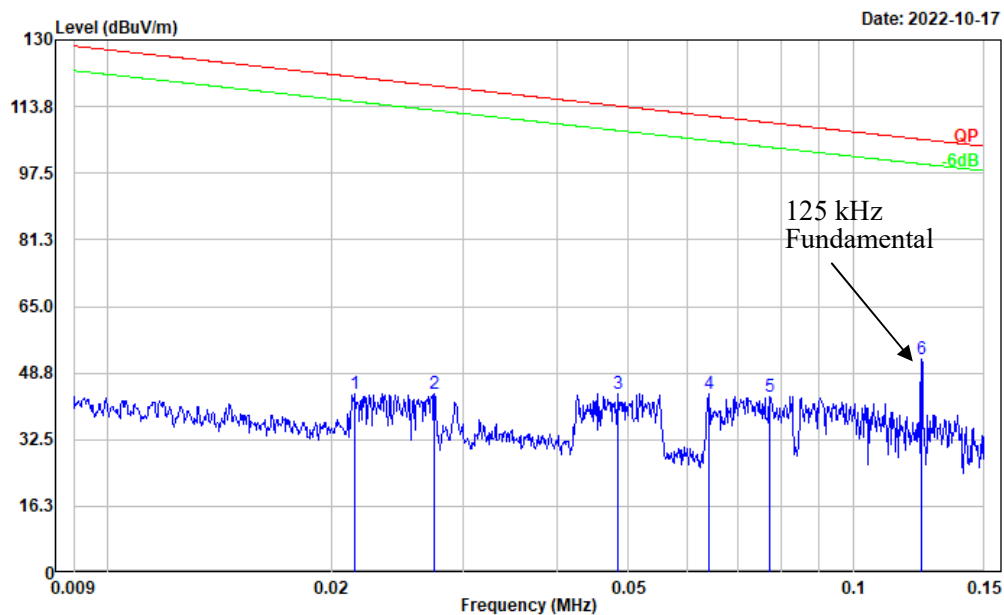


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.549	21.21	20.09	41.30	72.79	31.49	Peak
2	0.817	24.22	20.10	44.32	69.26	24.94	Peak
3	1.359	24.76	20.06	44.82	64.75	19.93	Peak
4	1.753	21.61	20.05	41.66	69.54	27.88	Peak
5	8.062	19.97	20.25	40.22	69.54	29.32	Peak
6	10.288	21.57	20.42	41.99	69.54	27.55	Peak

POE Ground-parallel:

Test Mode: Transmitting

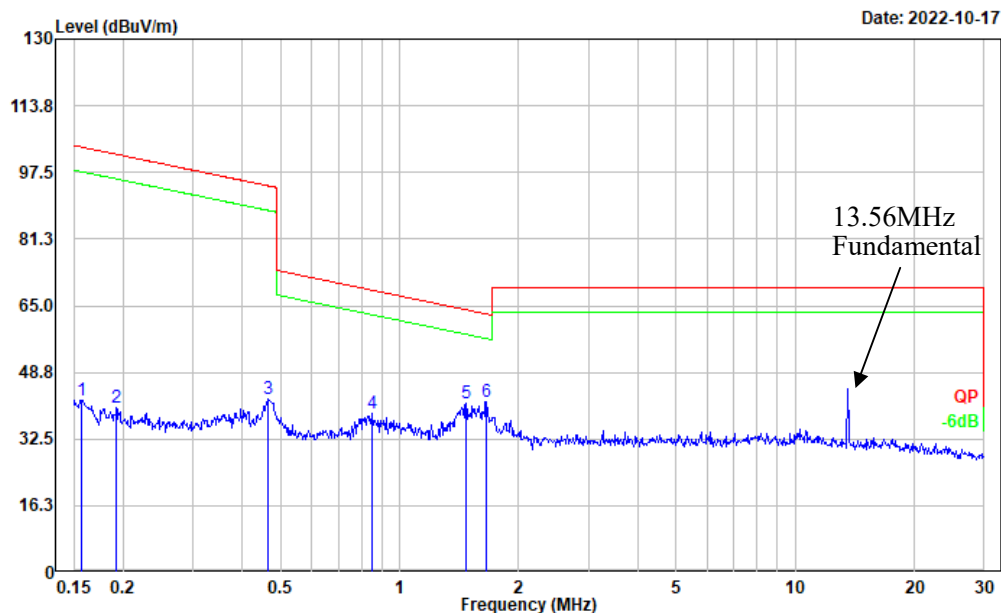
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.021	23.13	20.50	43.63	120.99	77.36	Peak
2	0.027	23.17	20.44	43.61	118.84	75.23	Peak
3	0.048	23.30	20.45	43.75	113.93	70.18	Peak
4	0.064	23.10	20.45	43.55	111.49	67.94	Peak
5	0.077	22.57	20.41	42.98	109.83	66.85	Peak
6	0.124	31.80	20.27	52.07	105.77	53.70	Peak

Test Mode: Transmitting

Note:

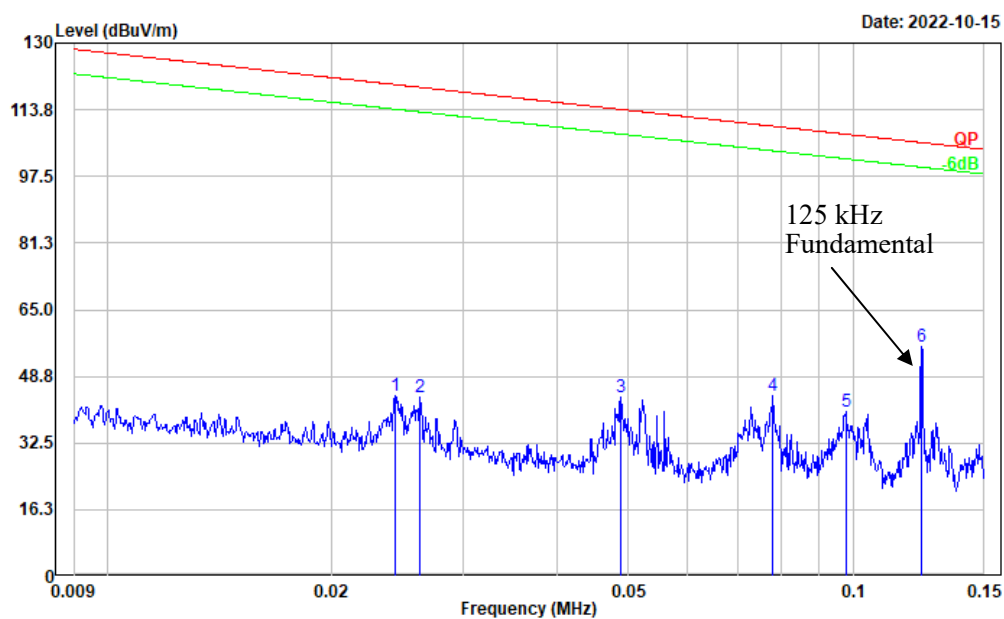


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.156	21.78	20.27	42.05	103.71	61.66	Peak
2	0.192	19.86	20.27	40.13	101.92	61.79	Peak
3	0.466	22.04	20.11	42.15	94.23	52.08	Peak
4	0.853	18.60	20.11	38.71	68.89	30.18	Peak
5	1.472	21.07	20.04	41.11	64.04	22.93	Peak
6	1.654	21.48	20.04	41.52	63.01	21.49	Peak

Adapter Parallel:

Test Mode: Transmitting

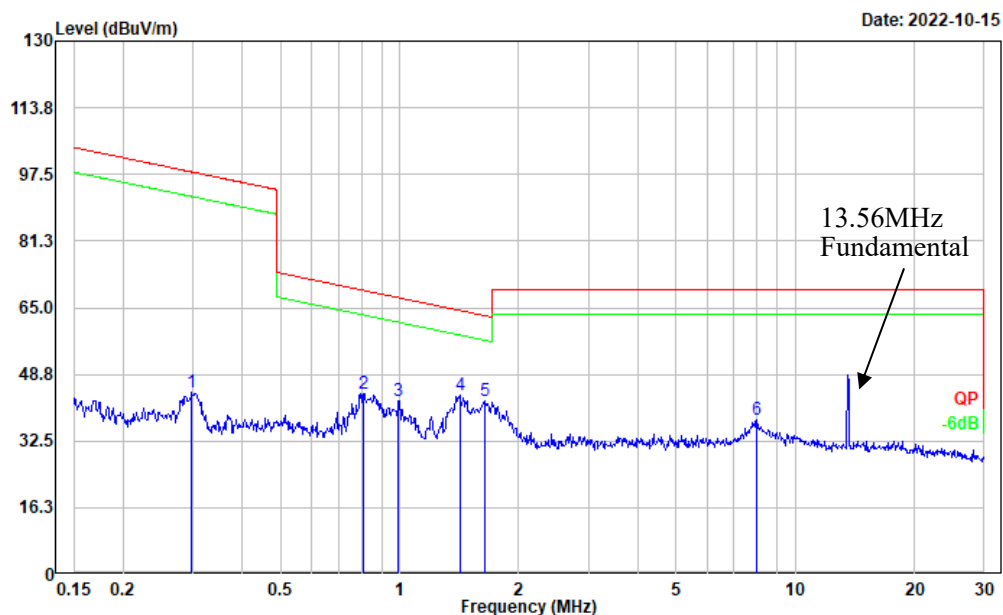
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.024	23.54	20.44	43.98	119.89	75.91	Peak
2	0.026	23.41	20.44	43.85	119.23	75.38	Peak
3	0.049	23.07	20.45	43.52	113.83	70.31	Peak
4	0.078	23.70	20.41	44.11	109.75	65.64	Peak
5	0.098	19.81	20.28	40.09	107.80	67.71	Peak
6	0.124	35.78	20.27	56.05	105.77	49.72	Peak

Test Mode: Transmitting

Note:

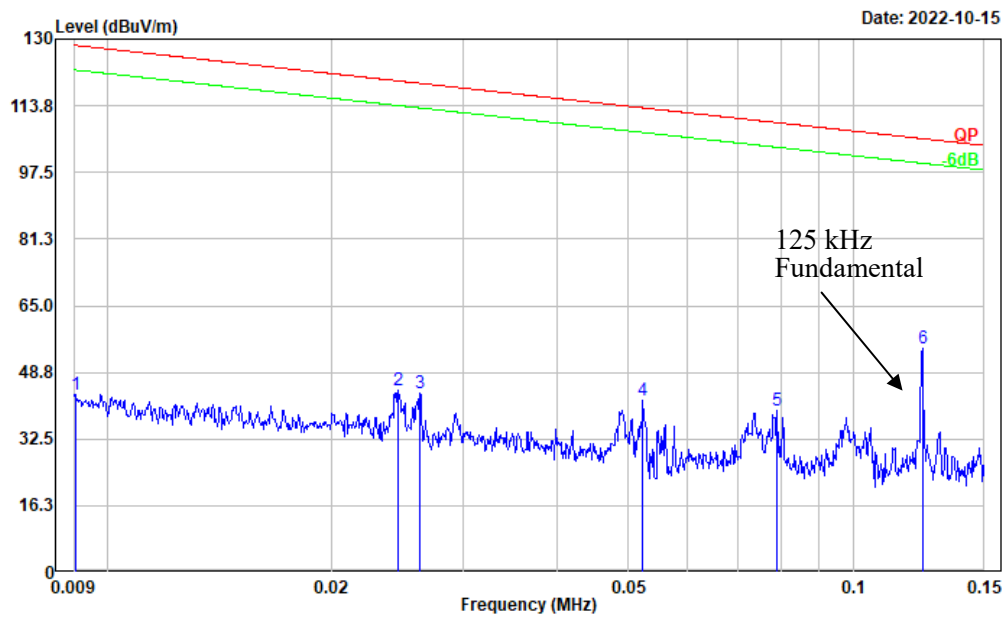


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.299	24.21	20.18	44.39	98.10	53.71	Peak
2	0.809	23.93	20.10	44.03	69.36	25.33	Peak
3	0.994	22.12	20.11	42.23	67.52	25.29	Peak
4	1.418	23.67	20.05	43.72	64.37	20.65	Peak
5	1.645	22.30	20.04	42.34	63.06	20.72	Peak
6	7.977	17.42	20.25	37.67	69.54	31.87	Peak

Adapter Perpendicular:

Test Mode: Transmitting

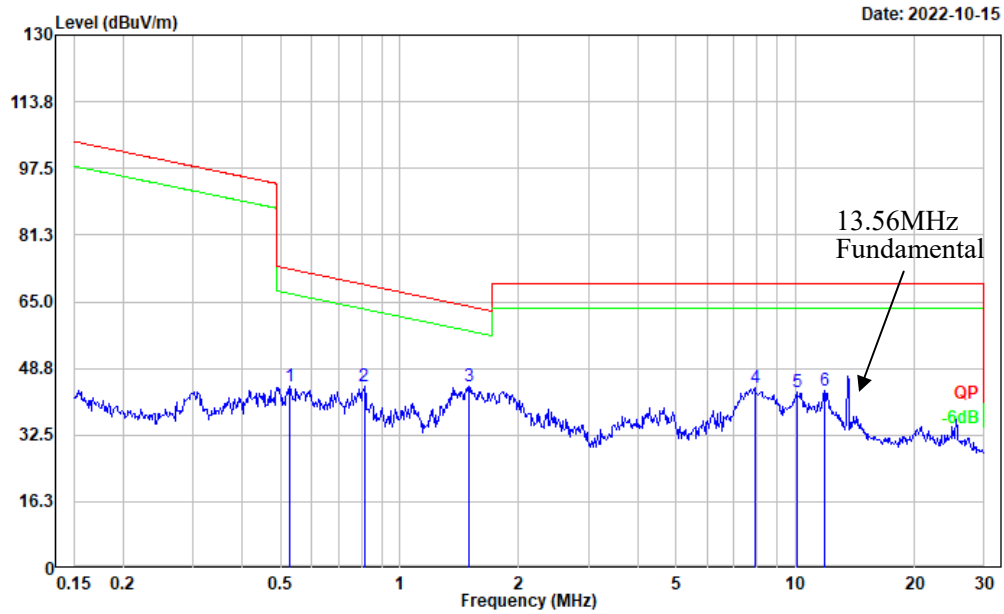
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.009	22.97	20.51	43.48	128.47	84.99	Peak
2	0.025	23.78	20.44	44.22	119.82	75.60	Peak
3	0.026	23.12	20.44	43.56	119.23	75.67	Peak
4	0.052	21.51	20.45	41.96	113.25	71.29	Peak
5	0.079	19.02	20.40	39.42	109.63	70.21	Peak
6	0.124	34.28	20.27	54.55	105.74	51.19	Peak

Test Mode: Transmitting

Note:

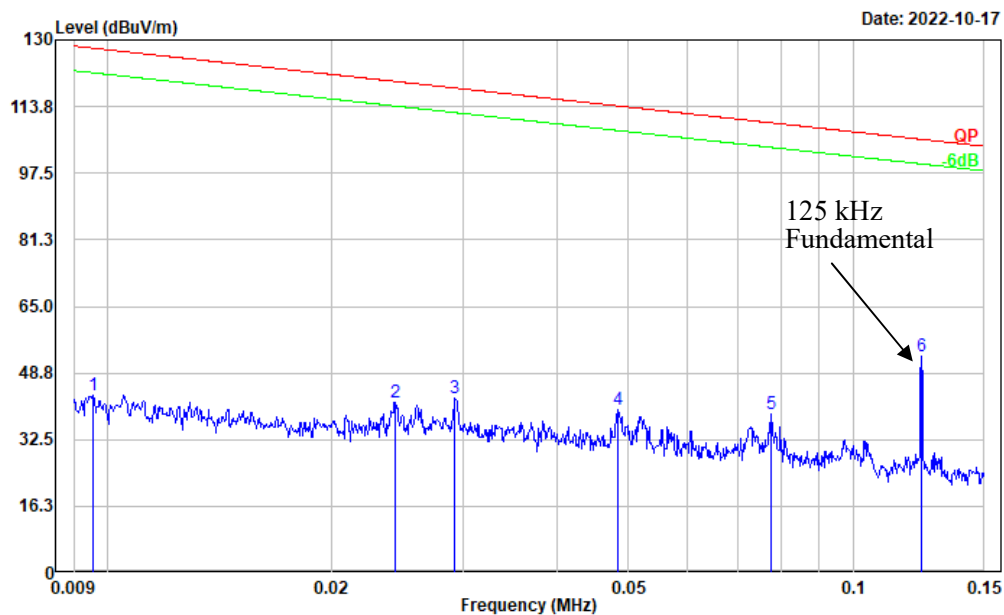


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.529	24.46	20.09	44.55	73.11	28.56	Peak
2	0.813	24.19	20.10	44.29	69.31	25.02	Peak
3	1.495	24.22	20.03	44.25	63.90	19.65	Peak
4	7.893	23.93	20.24	44.17	69.54	25.37	Peak
5	10.072	22.61	20.41	43.02	69.54	26.52	Peak
6	11.807	22.89	20.47	43.36	69.54	26.18	Peak

Adapter Ground-parallel:

Test Mode: Transmitting

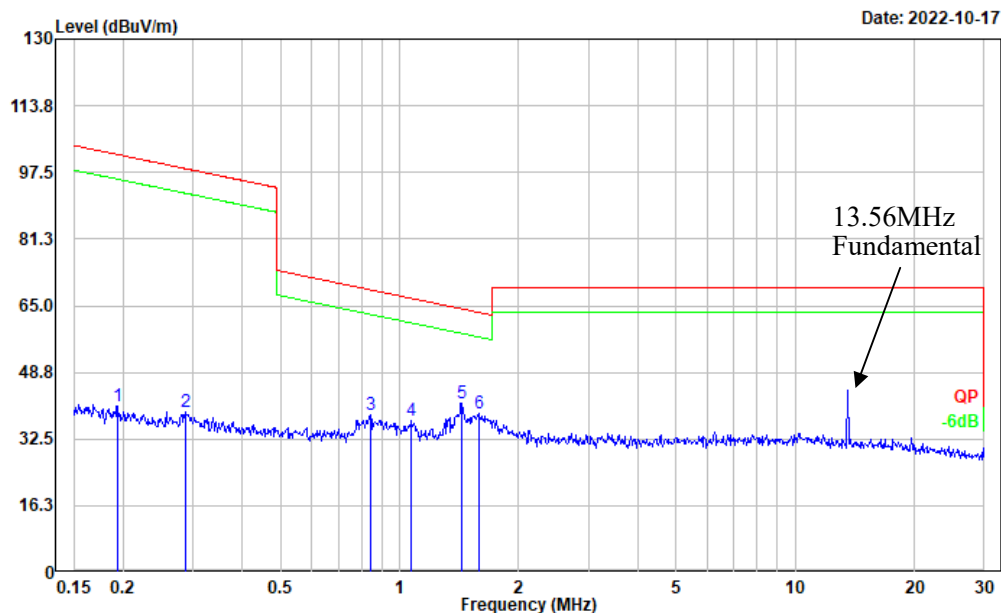
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.010	22.74	20.52	43.26	128.00	84.74	Peak
2	0.024	21.23	20.44	41.67	119.89	78.22	Peak
3	0.029	22.07	20.44	42.51	118.28	75.77	Peak
4	0.048	19.42	20.45	39.87	113.93	74.06	Peak
5	0.078	18.35	20.41	38.76	109.80	71.04	Peak
6	0.124	32.71	20.27	52.98	105.77	52.79	Peak

Test Mode: Transmitting

Note:

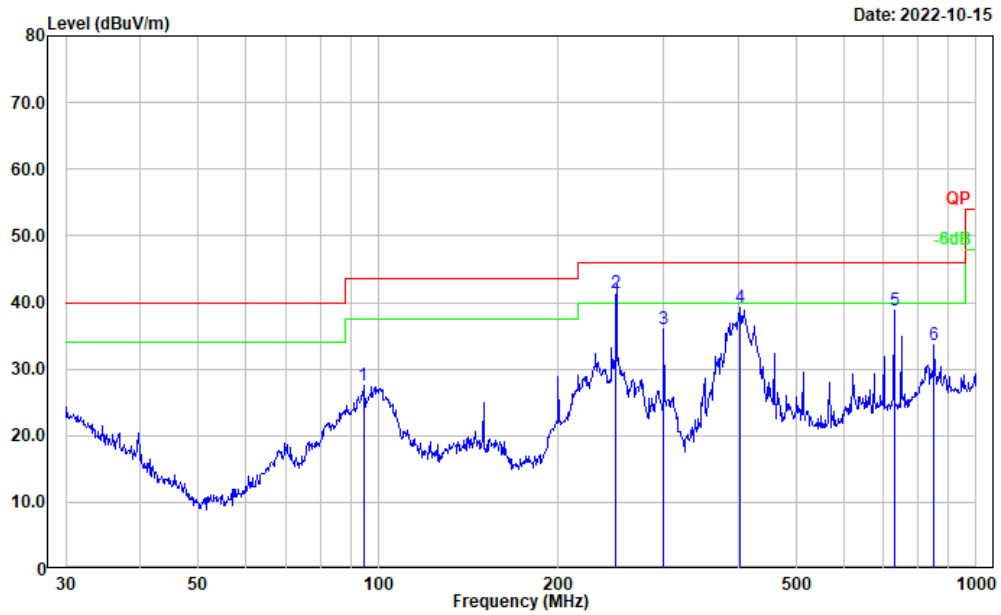


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.193	20.22	20.27	40.49	101.87	61.38	Peak
2	0.288	18.84	20.18	39.02	98.42	59.40	Peak
3	0.844	18.22	20.10	38.32	68.98	30.66	Peak
4	1.071	16.96	20.10	37.06	66.86	29.80	Peak
5	1.433	21.23	20.04	41.27	64.28	23.01	Peak
6	1.585	18.71	20.04	38.75	63.39	24.64	Peak

2) 30 MHz~1GHz

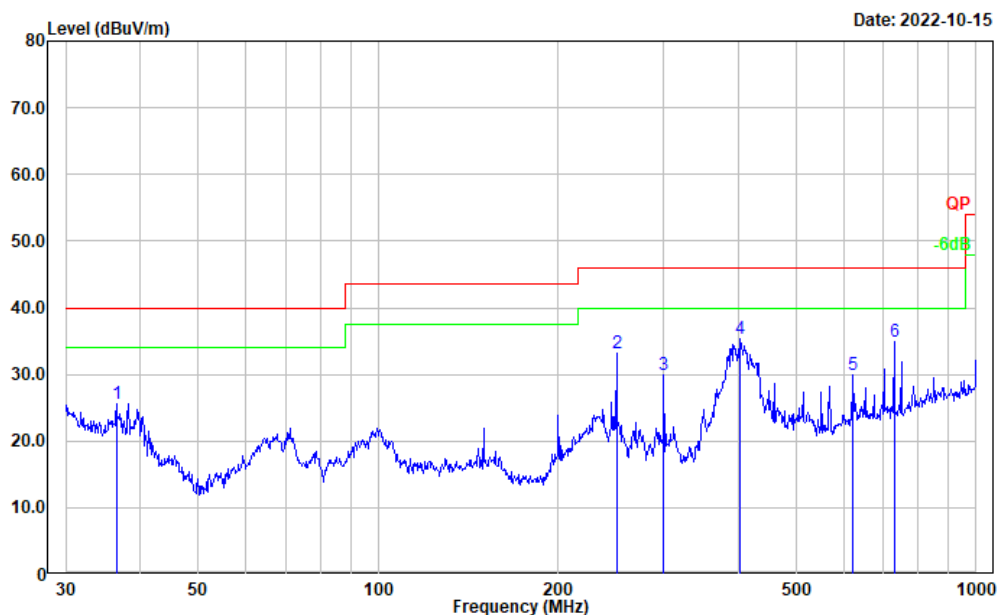
POE:

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	94.428	43.35	-15.81	27.54	43.50	15.96	Peak
2	250.011	54.42	-13.09	41.33	46.00	4.67	QP
3	300.367	46.72	-10.63	36.09	46.00	9.91	Peak
4	403.250	47.98	-8.67	39.31	46.00	6.69	Peak
5	729.358	41.74	-2.99	38.75	46.00	7.25	Peak
6	851.035	35.06	-1.47	33.59	46.00	12.41	Peak

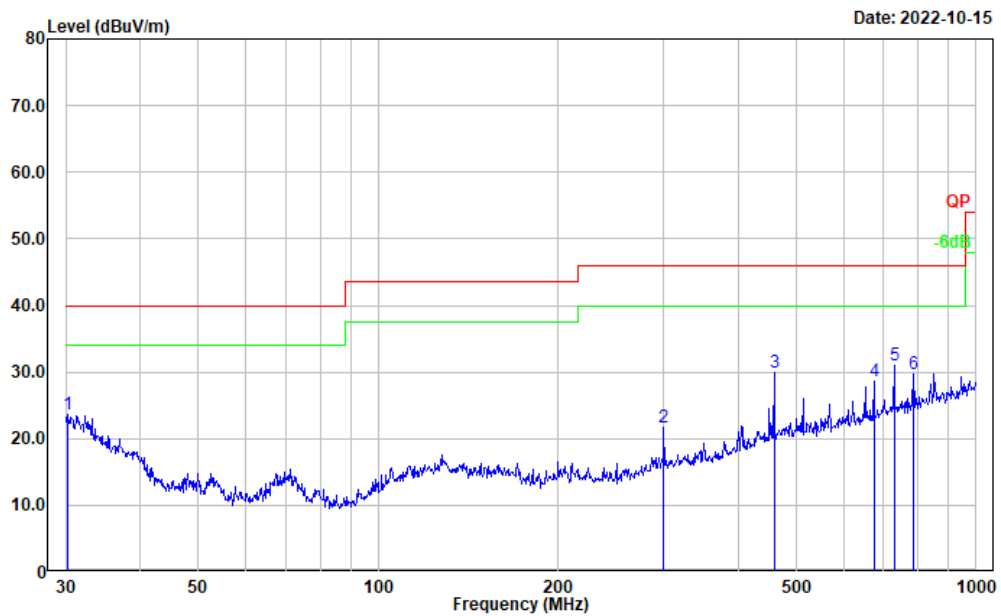
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	36.509	34.29	-8.63	25.66	40.00	14.34	Peak
2	250.301	46.22	-13.08	33.14	46.00	12.86	Peak
3	300.367	40.54	-10.63	29.91	46.00	16.09	Peak
4	403.250	43.93	-8.67	35.26	46.00	10.74	Peak
5	622.890	34.61	-4.65	29.96	46.00	16.04	Peak
6	729.358	37.88	-2.99	34.89	46.00	11.11	Peak

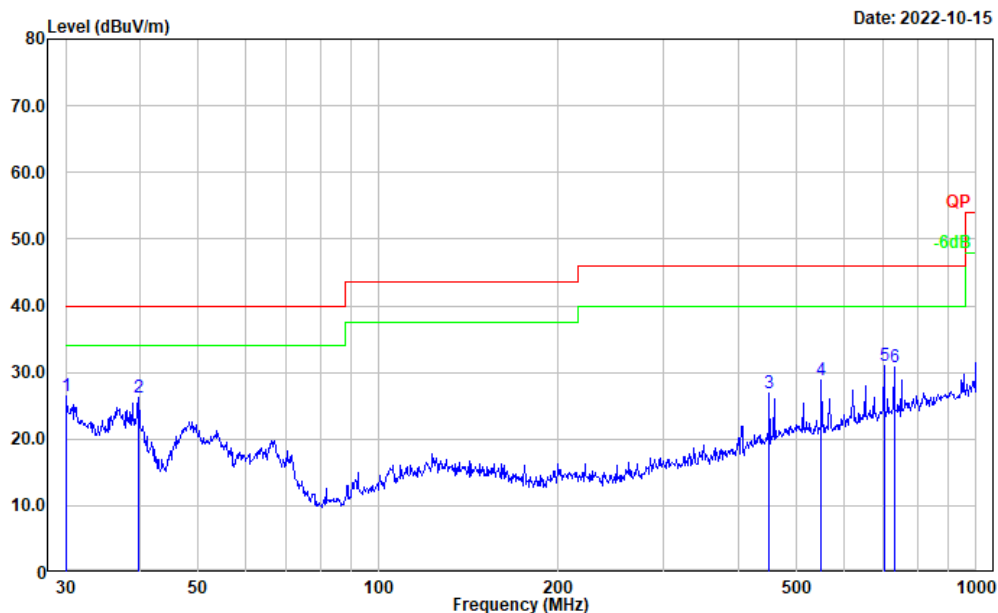
Adapter:

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.317	27.44	-3.85	23.59	40.00	16.41	Peak
2	300.367	32.37	-10.63	21.74	46.00	24.26	Peak
3	459.114	36.55	-6.70	29.85	46.00	16.15	Peak
4	675.208	32.49	-3.95	28.54	46.00	17.46	Peak
5	729.358	34.04	-2.99	31.05	46.00	14.95	Peak
6	785.093	32.04	-2.33	29.71	46.00	16.29	Peak

Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	29.96	-3.60	26.36	40.00	13.64	Peak
2	39.715	37.30	-11.09	26.21	40.00	13.79	Peak
3	451.135	33.83	-6.91	26.92	46.00	19.08	Peak
4	550.948	34.68	-5.74	28.94	46.00	17.06	Peak
5	701.761	34.62	-3.52	31.10	46.00	14.90	Peak
6	729.358	33.71	-2.99	30.72	46.00	15.28	Peak

***** END OF REPORT *****