



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

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

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

FCC ID: 2AHCR-R20AV5

Product Name: Door Phone

Model Number: R20A

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: CR22060019-00B

Date Of Issue: 2022-08-25

Reviewed By: Sun Zhong

Sun Zhong

Title: Manager

Test Laboratory: China Certification ICT Co., Ltd (Dongguan)
No. 113, Pingkang Road, Dalang Town, Dongguan,
Guangdong, China
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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:	R20A
Rated Input Voltage:	DC 12V from adapter or POE 48V
Serial Number:	CR22060019-RF-S1
EUT Received Date:	2022.06.23
EUT Received Status:	Good

Operation Frequency Detail:

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

Antenna Information Detail▲:

Antenna Manufacturer	Antenna Type	input impedance (Ohm)	Antenna Gain /Frequency Range	§15.203 Requirement
AKUVOX (XIAMEN) NETWORKS CO., LTD.	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:

No Accessory.

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
Huntkey	Adapter	HKA01105021-XE	0D1805002143
TP-link	Adapter(POE)	TL-SF1005P	1167604001685
AKUVOX	Card reader	N5632	MN52P0024
Unknown	Load	Unknown	Load1
TOTOLINK	Wireless Router	LR1200	LR1200155P00167

1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	No	Yes	3	EUT	Router
RJ45 Cable	No	Yes	3	POE	Router
Power Cable	No	Yes	1.5	EUT	Adapter
RJ45 Cable	No	No	0.5	EUT	POE
Cable	No	No	3	EUT	Load
Cable	No	No	3	EUT	Card Reader

1.2.4 Block Diagram of Test Setup**1.2.2 Support Equipment List and Details**

Manufacturer	Description	Model	Serial Number
Huntkey	Adapter(USB)	HKA01105021-XE	0D1805002143
TP-link	Adapter(POE)	TL-SF1005P	1.1676E+12
AKUVOX	Card reader	N5632	MN52P0024
Unknown	Load 1	10W	1001
Unknown	Load 2	10W	1002
Unknown	Load 3	10W	1003
TOTO LINK	Router	X5000R	X5000RK9T0560

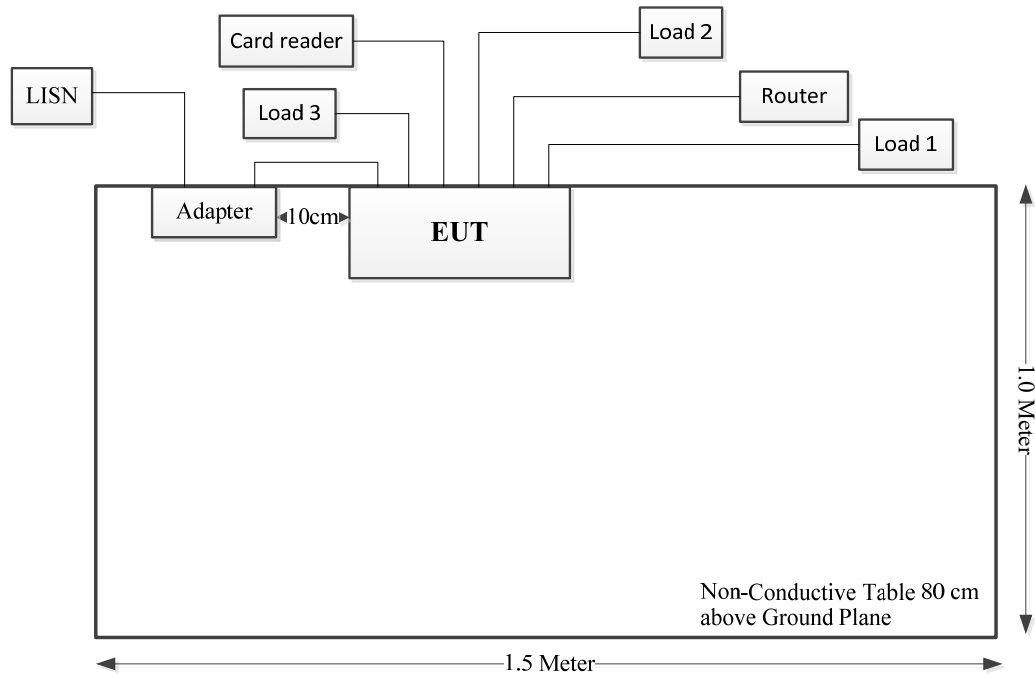
1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	No	No	3	EUT	Router
RJ45 Cable	No	No	3	POE	Router
RJ45 Cable	No	No	1.5	POE	EUT
Power Cable	No	No	1.2	POE	LISN
Power Cable	No	No	1.5	Adapter	EUT
Cable	No	No	2	EUT	Load 1
Cable	No	No	2	EUT	Load 2
Cable	No	No	2	EUT	Load 3
Cable	No	No	3	EUT	Card reader

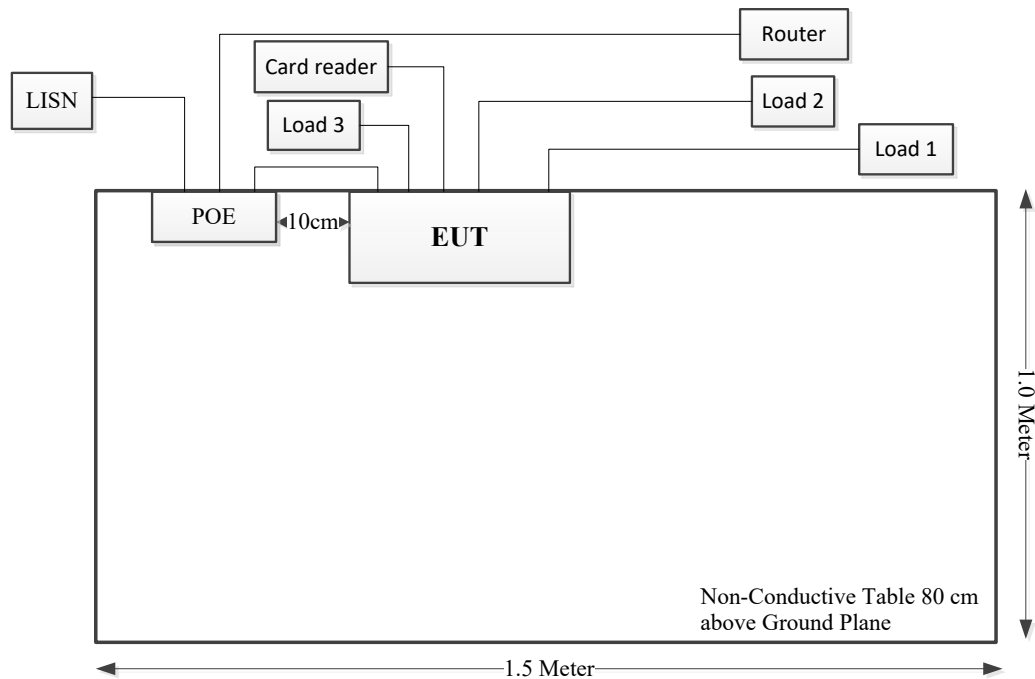
1.2.4 Block Diagram of Test Setup

Conducted emissions:

M1:

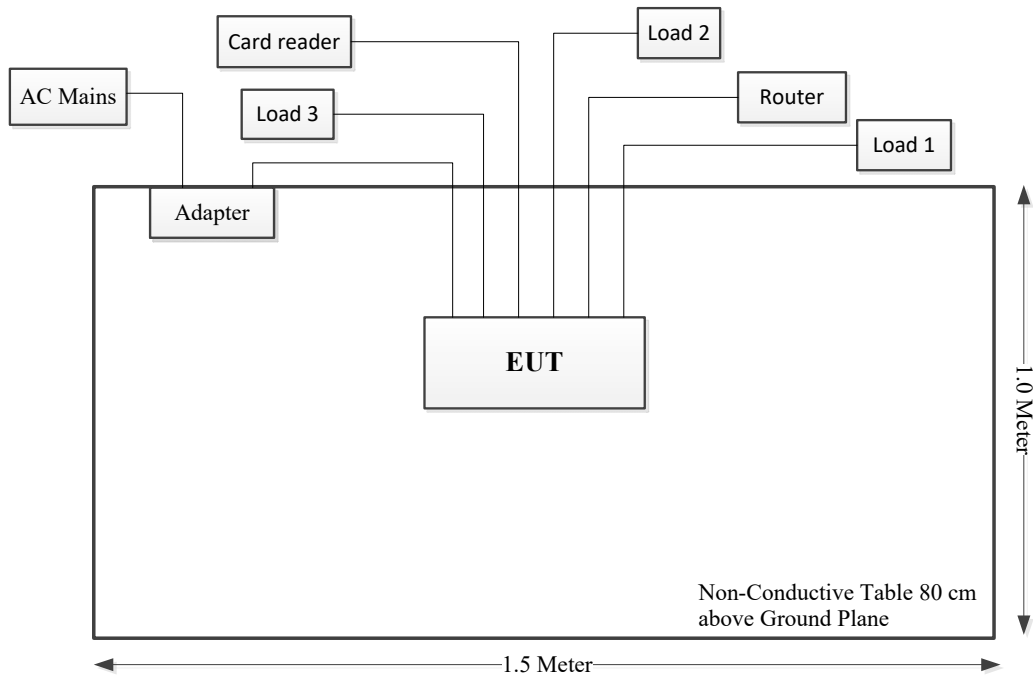


M2:

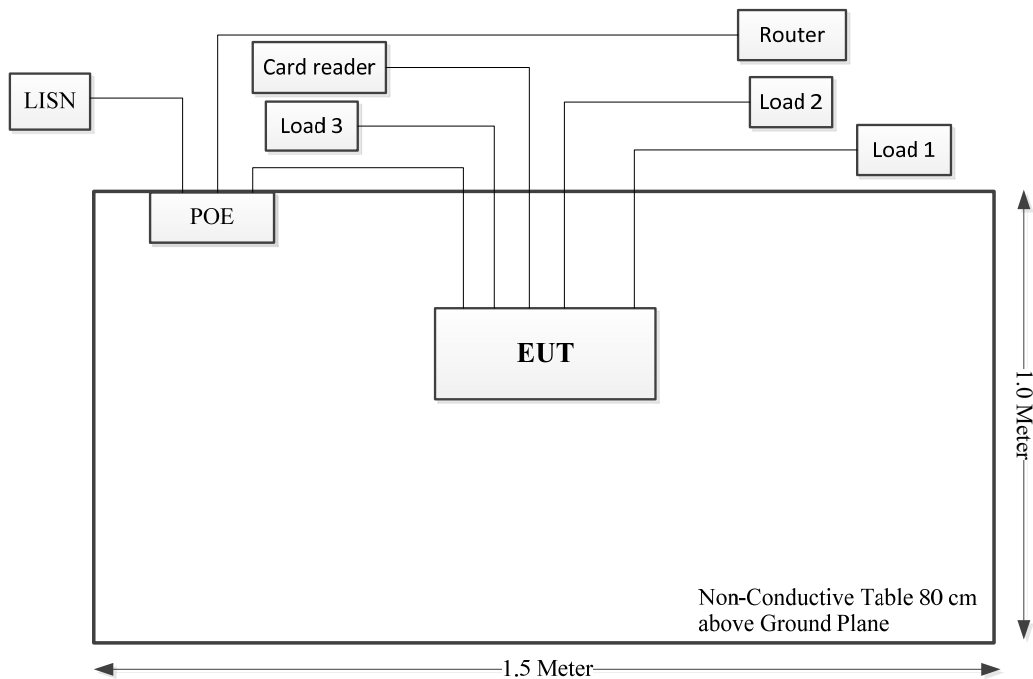


Radiated emissions:

M1:



M2:



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:

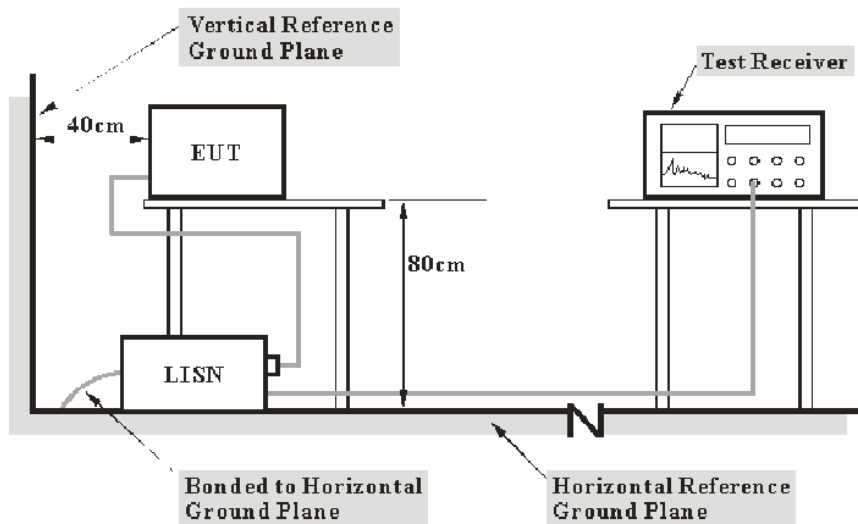
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(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

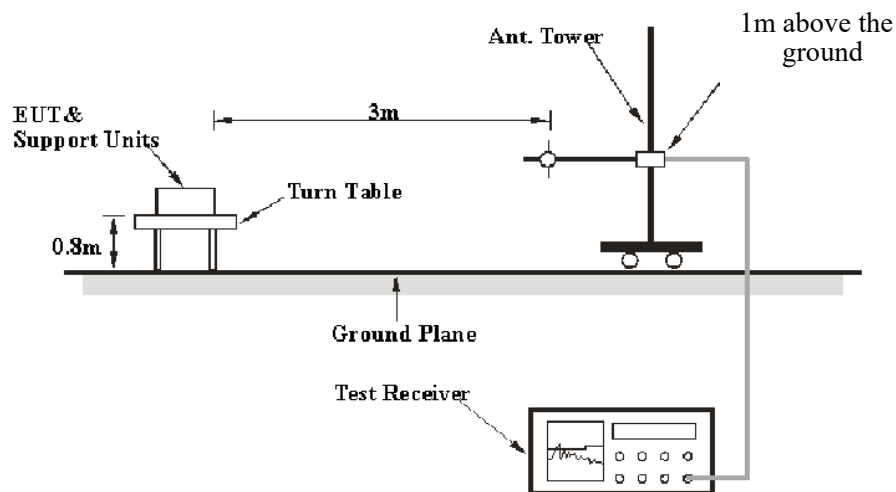
(a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

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

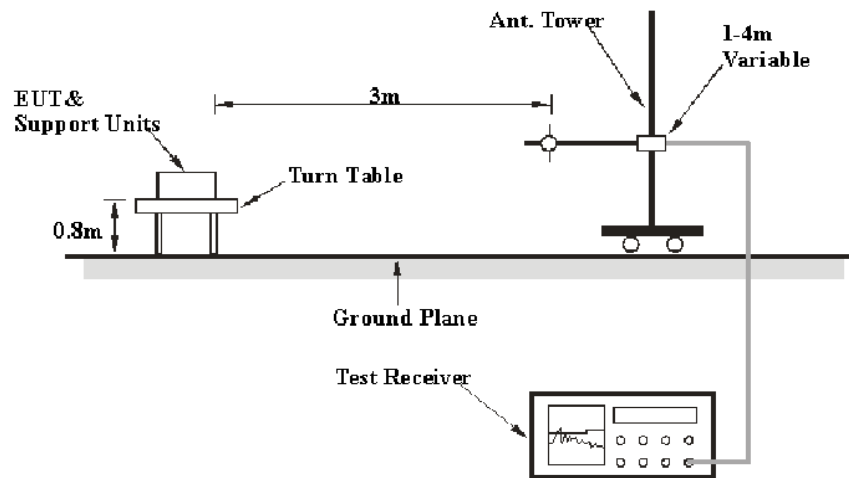
**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this 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:	CR22060019-RF-S1	Test Date:	2022-08-06
Test Site:	CE	Test Mode:	Transmitting
Tester:	Vic Du	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	27.1	Relative Humidity: (%)	72	ATM Pressure: (kPa)	99.9
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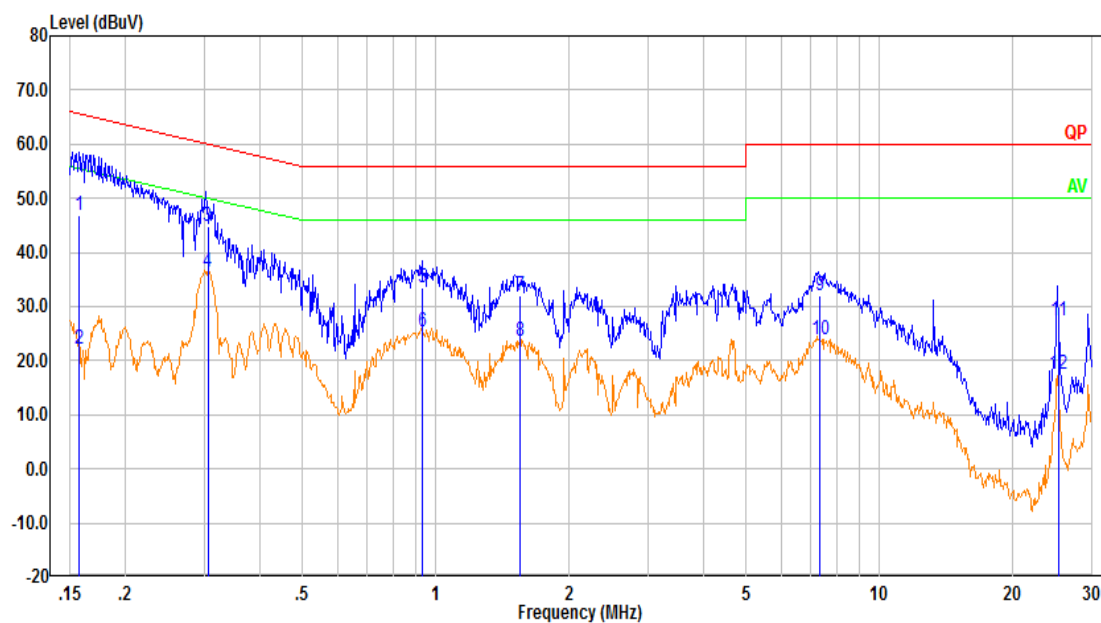
Test Equipment List and Details:

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	2021-08-08	2022-08-07
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).

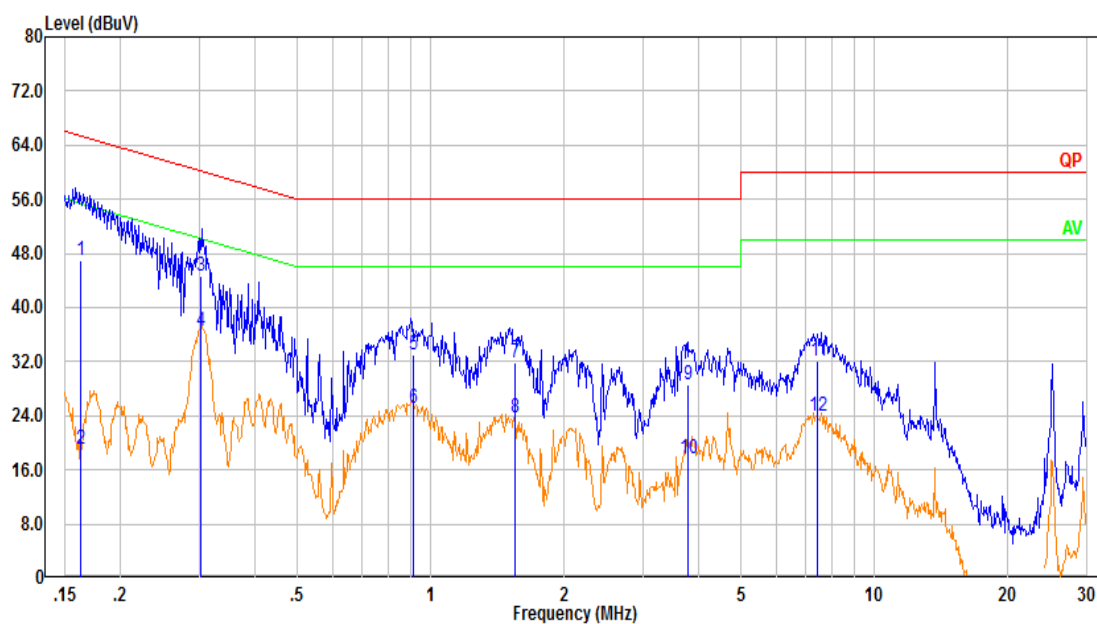
Adapter mode:

Line:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.157	37.37	9.61	46.98	65.64	18.66	QP
2	0.157	12.48	9.61	22.09	55.64	33.55	Average
3	0.306	35.19	9.61	44.80	60.08	15.28	QP
4	0.306	26.90	9.61	36.51	50.08	13.57	Average
5	0.933	23.82	9.62	33.44	56.00	22.56	QP
6	0.933	15.86	9.62	25.48	46.00	20.52	Average
7	1.552	22.36	9.63	31.98	56.00	24.02	QP
8	1.552	13.96	9.63	23.59	46.00	22.41	Average
9	7.330	22.33	9.66	32.00	60.00	28.00	QP
10	7.330	14.14	9.66	23.81	50.00	26.19	Average
11	25.281	17.48	9.81	27.29	60.00	32.71	QP
12	25.281	7.60	9.81	17.41	50.00	32.59	Average

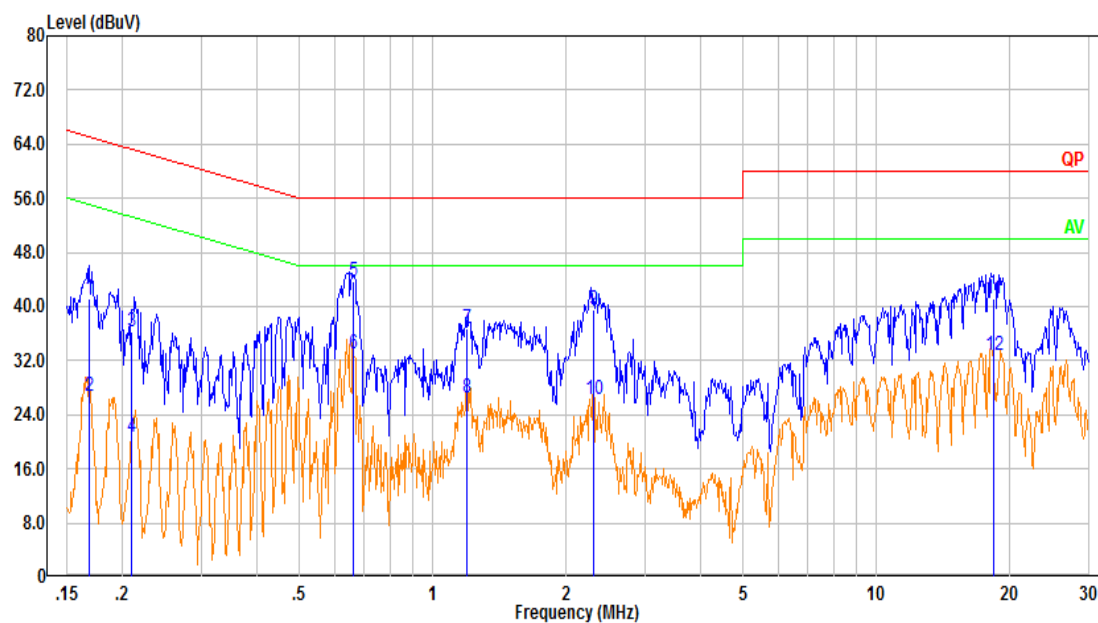
Neutral:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.162	37.40	9.61	47.01	65.36	18.35	QP
2	0.162	9.54	9.61	19.15	55.36	36.21	Average
3	0.303	35.03	9.61	44.64	60.15	15.51	QP
4	0.303	26.99	9.61	36.60	50.15	13.55	Average
5	0.914	23.39	9.62	33.01	56.00	22.99	QP
6	0.914	15.54	9.62	25.16	46.00	20.84	Average
7	1.551	22.16	9.63	31.78	56.00	24.22	QP
8	1.551	14.08	9.63	23.71	46.00	22.29	Average
9	3.802	19.03	9.65	28.68	56.00	27.32	QP
10	3.802	8.01	9.65	17.66	46.00	28.34	Average
11	7.445	22.46	9.66	32.12	60.00	27.88	QP
12	7.445	14.31	9.66	23.97	50.00	26.03	Average

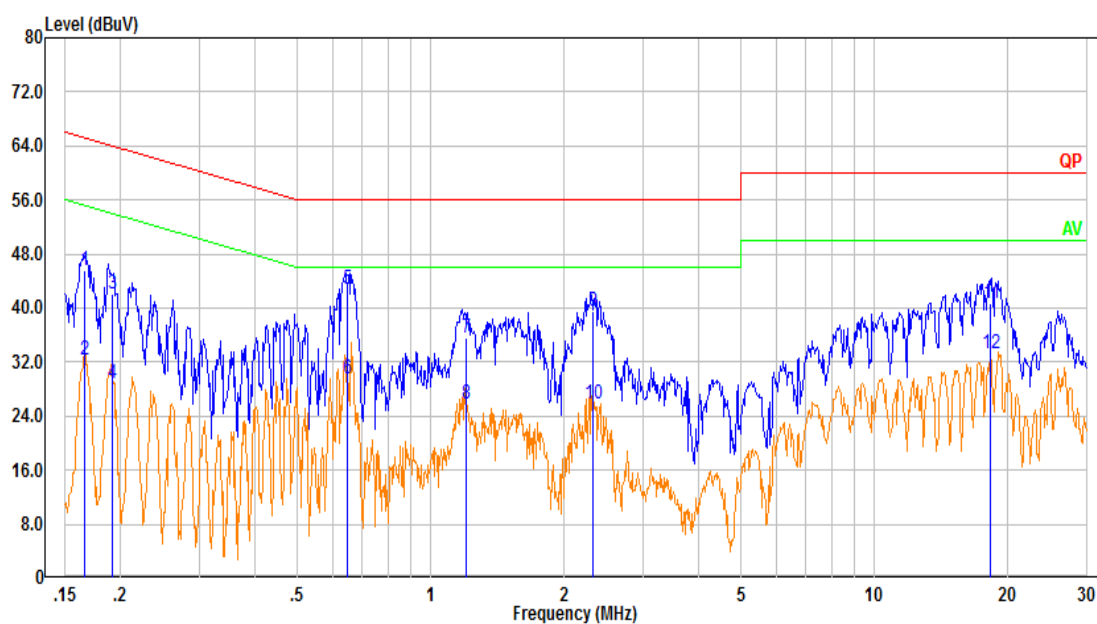
POE mode:

Line:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.169	31.62	9.61	41.23	65.03	23.80	QP
2	0.169	17.20	9.61	26.81	55.03	28.22	Average
3	0.210	26.56	9.61	36.17	63.22	27.05	QP
4	0.210	11.18	9.61	20.79	53.22	32.43	Average
5	0.664	34.10	9.62	43.72	56.00	12.28	QP
6	0.664	23.40	9.62	33.02	46.00	12.98	Average
7	1.192	27.06	9.62	36.68	56.00	19.32	QP
8	1.192	16.95	9.62	26.57	46.00	19.43	Average
9	2.298	29.97	9.64	39.61	56.00	16.39	QP
10	2.298	16.69	9.64	26.33	46.00	19.67	Average
11	18.390	31.42	9.76	41.18	60.00	18.82	QP
12	18.390	22.96	9.76	32.72	50.00	17.28	Average

Neutral:



No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector
1	0.166	36.00	9.61	45.61	65.16	19.55	QP
2	0.166	22.61	9.61	32.22	55.16	22.94	Average
3	0.192	32.56	9.61	42.17	63.95	21.78	QP
4	0.192	19.25	9.61	28.86	53.95	25.09	Average
5	0.648	33.21	9.62	42.83	56.00	13.17	QP
6	0.648	19.91	9.62	29.53	46.00	16.47	Average
7	1.203	25.95	9.62	35.57	56.00	20.43	QP
8	1.203	16.25	9.62	25.87	46.00	20.13	Average
9	2.319	29.88	9.64	39.51	56.00	16.49	QP
10	2.319	16.18	9.64	25.82	46.00	20.18	Average
11	18.268	31.10	9.69	40.79	60.00	19.21	QP
12	18.268	23.61	9.69	33.30	50.00	16.70	Average

4.2 Radiation Spurious Emissions

Serial Number:	CR22060019-RF-S1	Test Date:	2022-08-08~2022-08-19
Test Site:	966-2	Test Mode:	Transmitting
Tester:	Gary Ling, Carl Xue	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	27.9~28.1	Relative Humidity: (%)	59~61	ATM Pressure: (kPa)	99.9~100.2
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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

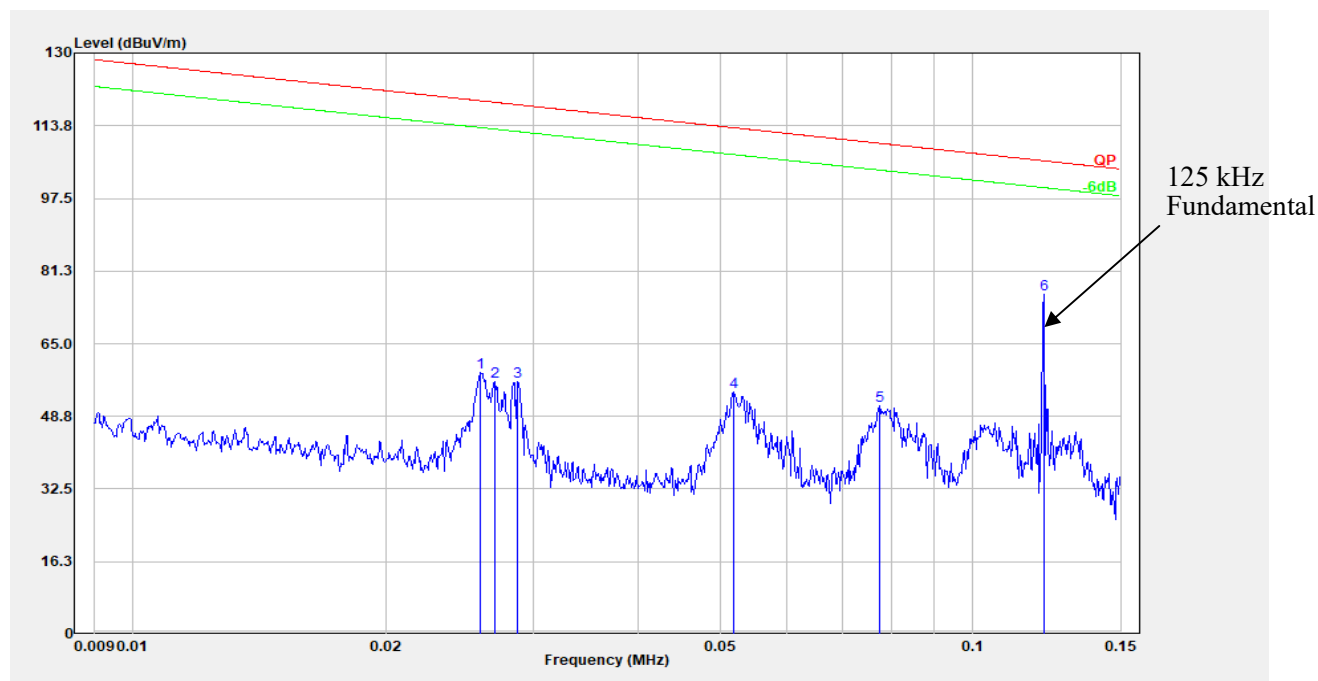
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

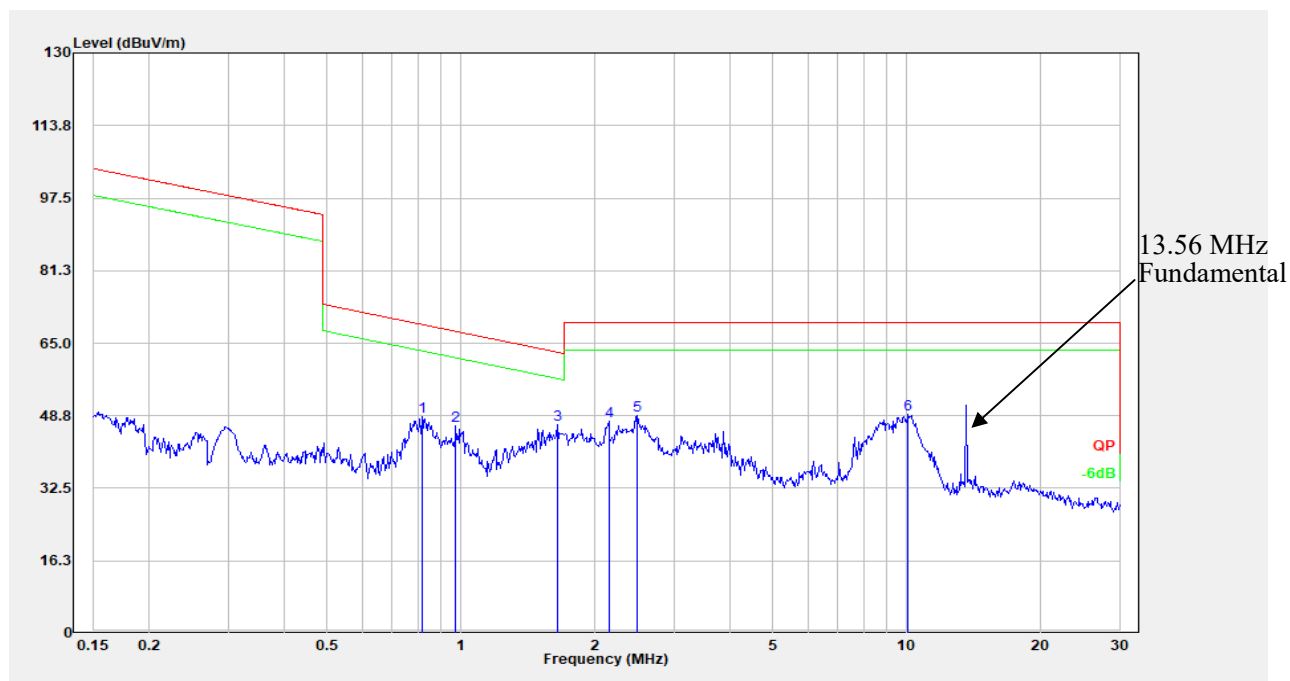
1) 9kHz-30MHz:

Adapter mode:

Parallel:

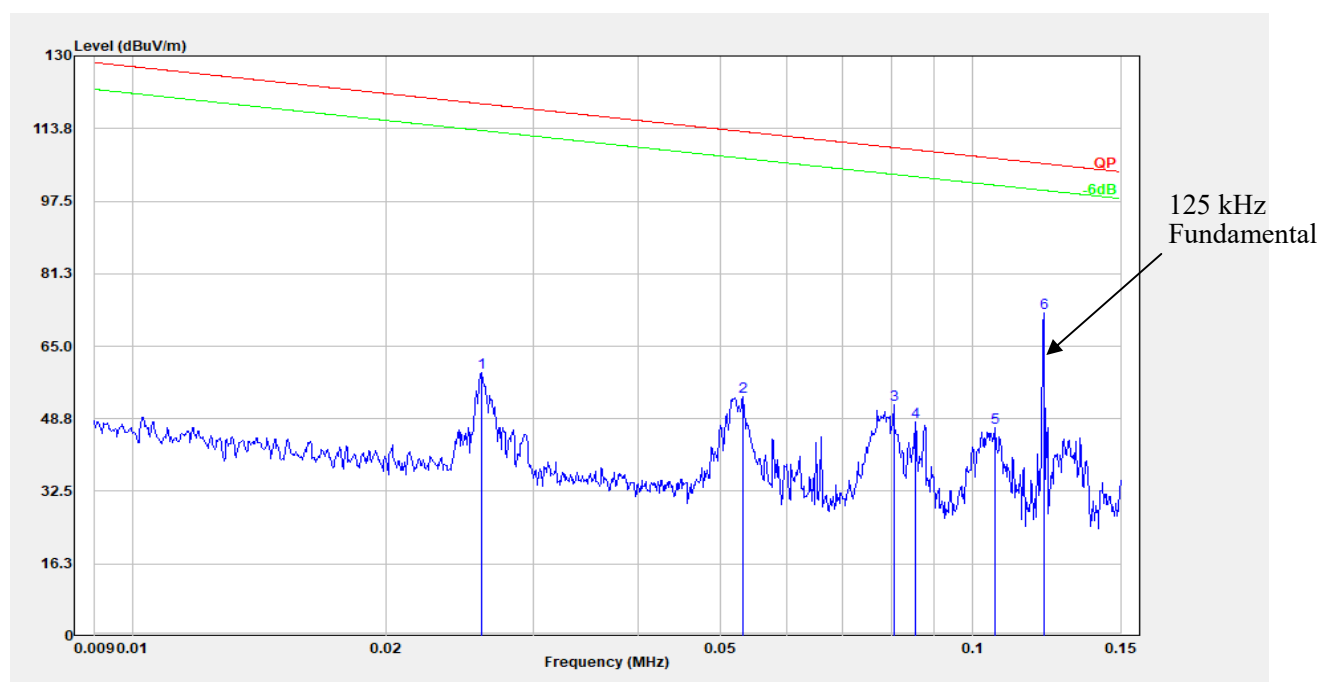


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.026	38.06	20.41	58.47	119.33	60.86	Peak
2	0.027	36.09	20.41	56.50	118.99	62.49	Peak
3	0.029	36.08	20.41	56.49	118.45	61.96	Peak
4	0.052	33.92	20.41	54.33	113.30	58.97	Peak
5	0.077	30.81	20.37	51.18	109.83	58.65	Peak
6	0.121	55.86	20.22	76.08	105.91	29.83	Peak

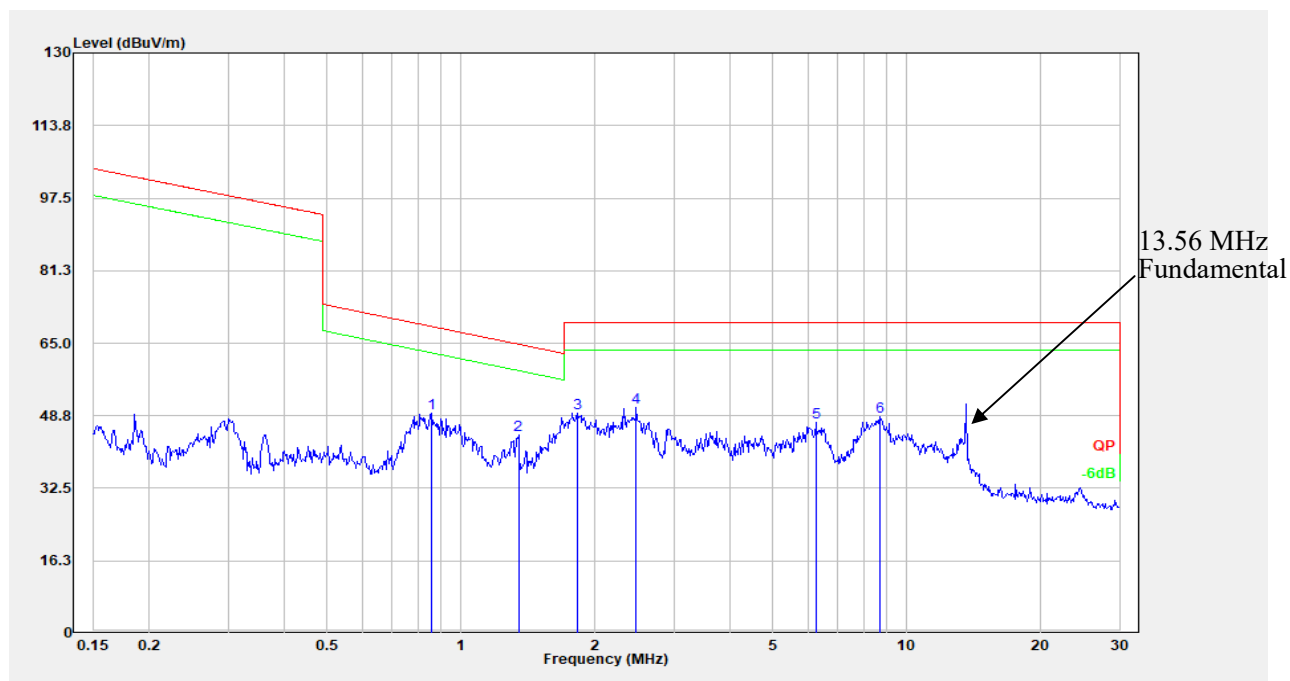


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.817	28.56	20.03	48.59	69.26	20.67	Peak
2	0.974	26.44	20.03	46.47	67.71	21.24	Peak
3	1.645	26.72	19.95	46.67	63.06	16.39	Peak
4	2.144	27.50	19.96	47.46	69.54	22.08	Peak
5	2.487	28.75	19.97	48.72	69.54	20.82	Peak
6	10.072	28.77	20.30	49.07	69.54	20.47	Peak

Perpendicular:

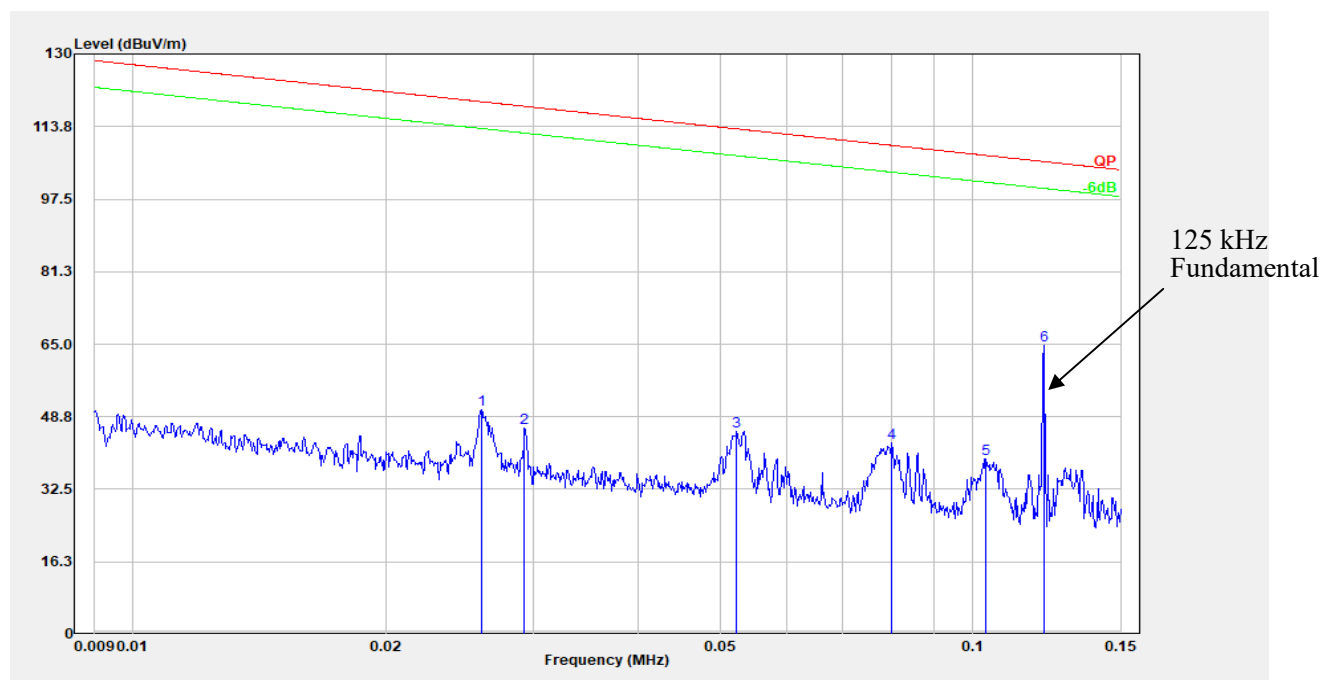


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.026	38.62	20.41	59.03	119.31	60.28	Peak
2	0.053	33.37	20.41	53.78	113.08	59.30	Peak
3	0.081	31.54	20.35	51.89	109.48	57.59	Peak
4	0.085	27.67	20.32	47.99	108.97	60.98	Peak
5	0.106	26.66	20.22	46.88	107.06	60.19	Peak
6	0.121	52.16	20.22	72.38	105.92	33.53	Peak

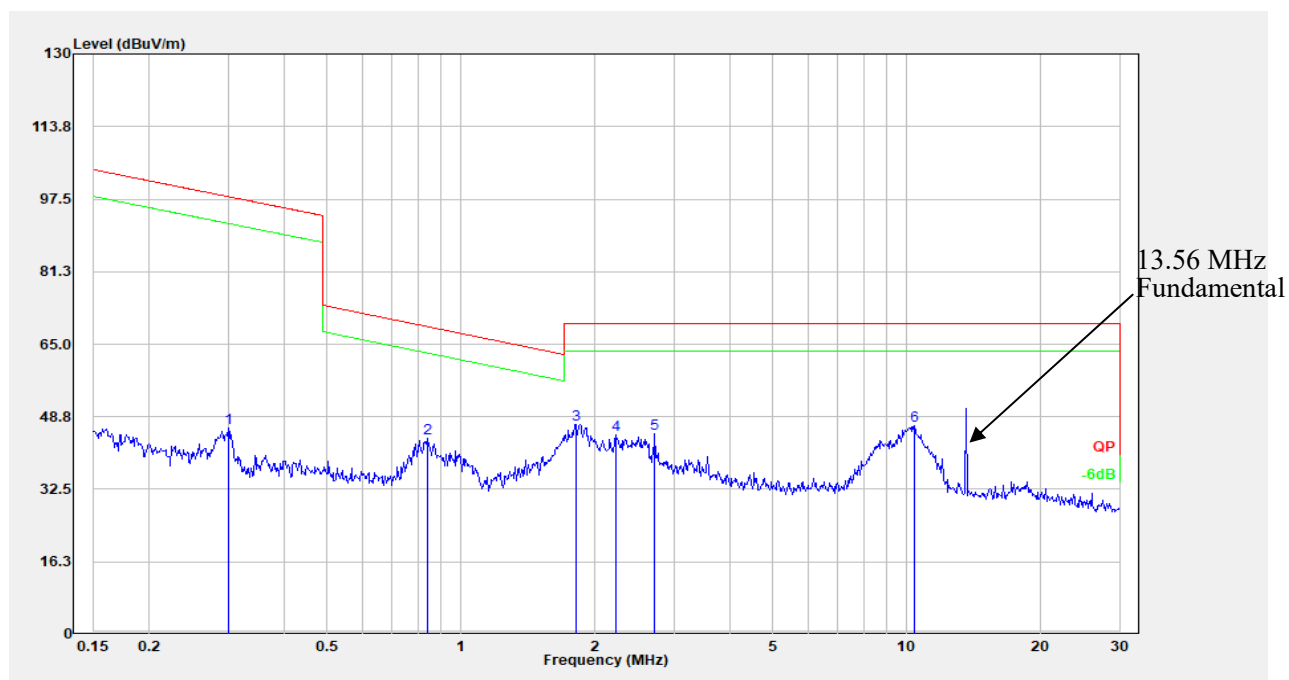


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.857	29.26	20.03	49.29	68.84	19.55	Peak
2	1.345	24.44	19.97	44.42	64.84	20.43	Peak
3	1.819	29.49	19.95	49.45	69.54	20.09	Peak
4	2.474	30.70	19.97	50.67	69.54	18.87	Peak
5	6.252	27.26	20.05	47.31	69.54	22.23	Peak
6	8.683	28.47	20.19	48.66	69.54	20.88	Peak

Ground-parallel:



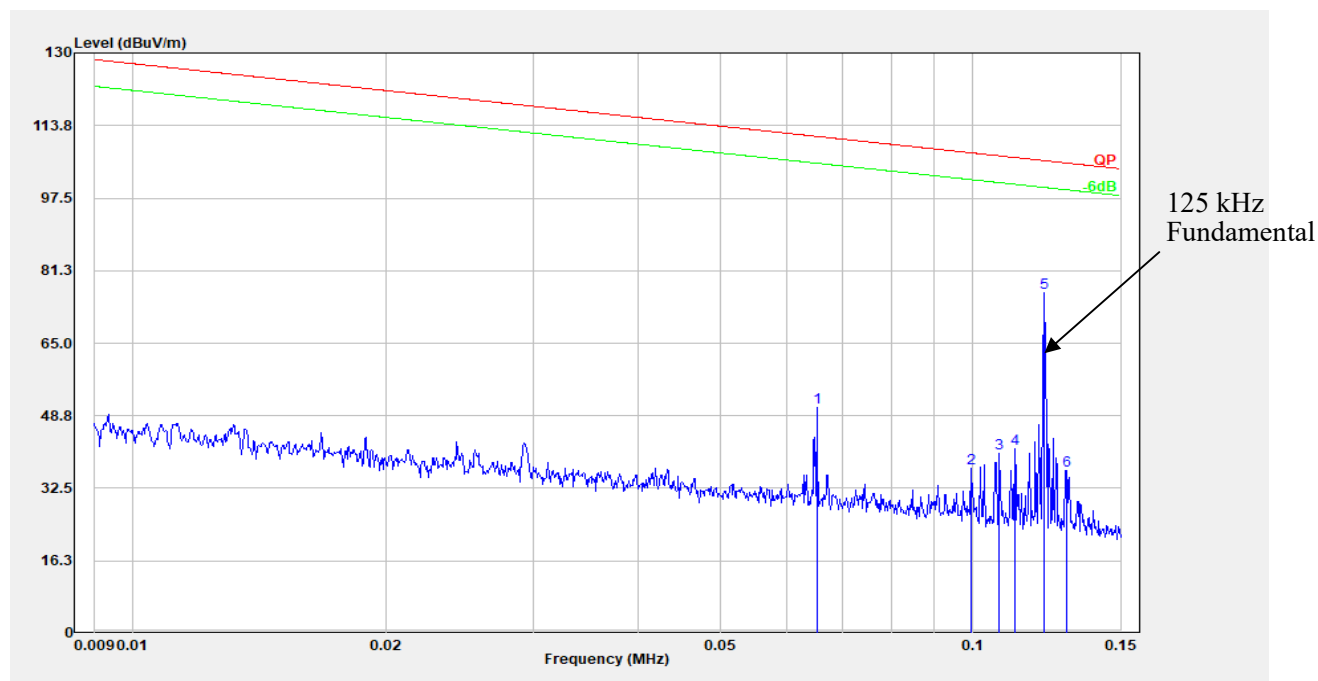
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.026	29.88	20.41	50.29	119.31	69.02	Peak
2	0.029	25.75	20.41	46.16	118.28	72.12	Peak
3	0.052	25.07	20.41	45.48	113.22	67.74	Peak
4	0.080	22.65	20.35	43.00	109.53	66.53	Peak
5	0.104	19.17	20.22	39.39	107.28	67.89	Peak
6	0.121	44.63	20.22	64.85	105.91	41.06	Peak



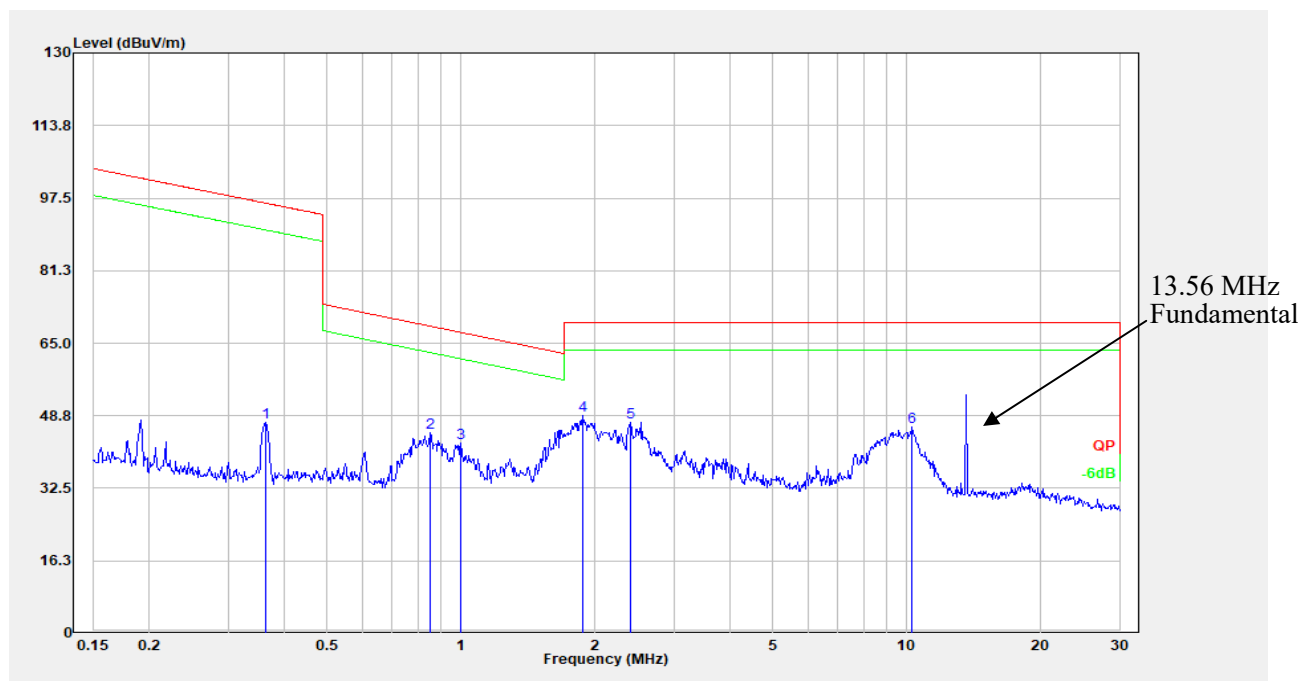
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.300	26.07	20.12	46.19	98.05	51.86	Peak
2	0.844	23.87	20.03	43.90	68.98	25.08	Peak
3	1.810	27.00	19.95	46.96	69.54	22.58	Peak
4	2.225	24.69	19.96	44.65	69.54	24.89	Peak
5	2.721	24.87	19.97	44.84	69.54	24.70	Peak
6	10.397	26.52	20.31	46.83	69.54	22.71	Peak

POE mode:

Parallel:

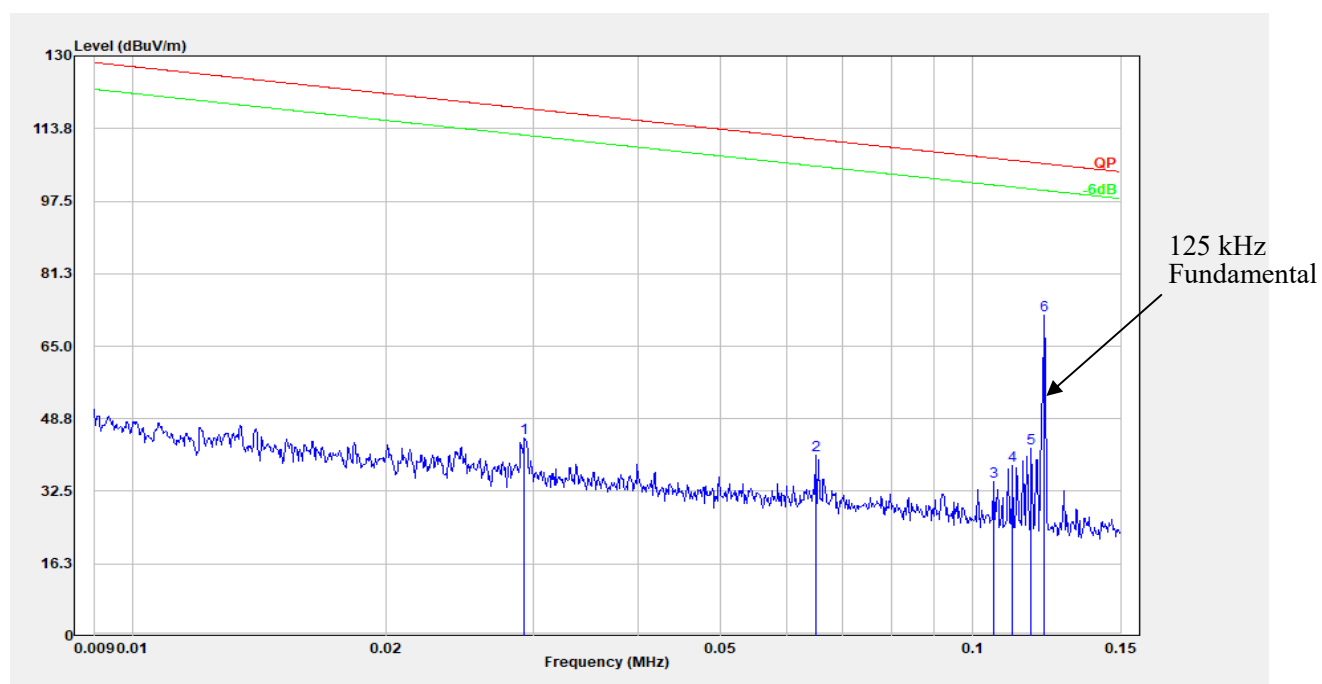


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.065	30.14	20.42	50.56	111.32	60.76	Peak
2	0.099	16.67	20.22	36.89	107.65	70.76	Peak
3	0.108	20.22	20.22	40.44	106.97	66.53	Peak
4	0.112	21.20	20.22	41.42	106.60	65.18	Peak
5	0.122	55.96	20.22	76.18	105.89	29.71	Peak
6	0.129	16.18	20.22	36.40	105.38	68.98	Peak

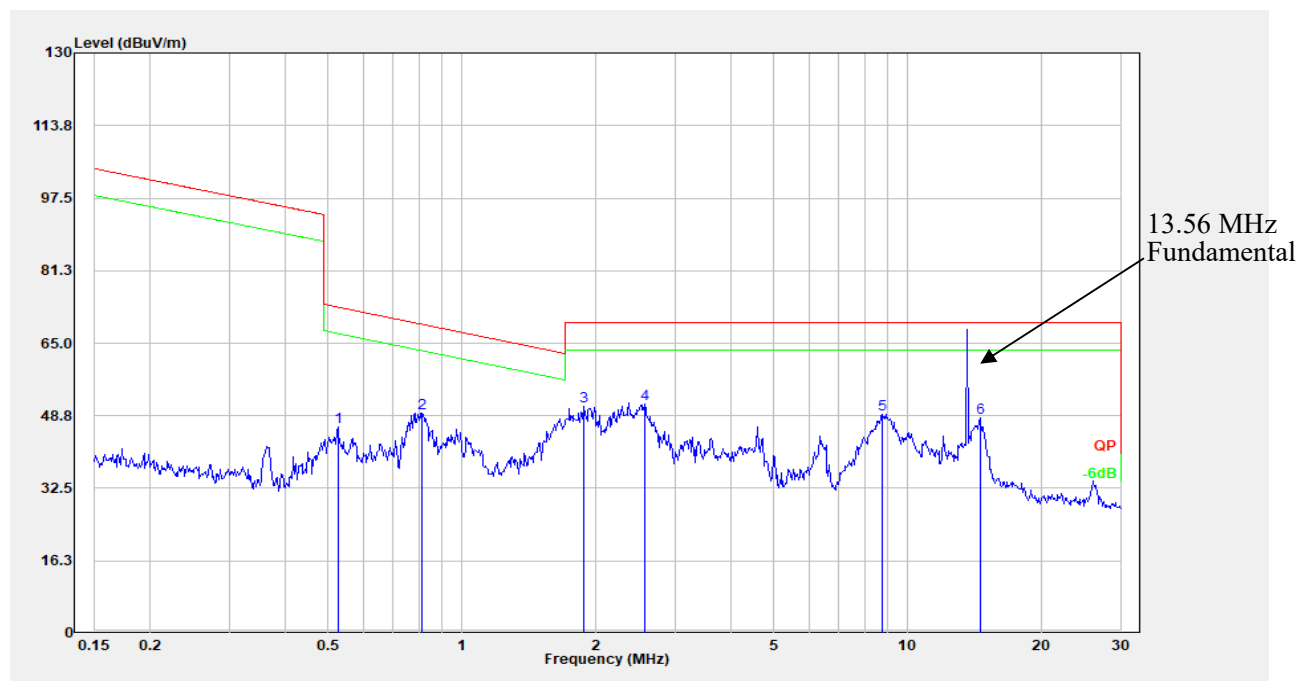


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.363	27.23	20.09	47.32	96.40	49.08	Peak
2	0.853	24.97	20.03	45.00	68.89	23.88	Peak
3	1.000	22.52	20.03	42.55	67.48	24.92	Peak
4	1.878	28.83	19.96	48.79	69.54	20.75	Peak
5	2.396	27.39	19.97	47.36	69.54	22.18	Peak
6	10.288	25.82	20.31	46.13	69.54	23.41	Peak

Perpendicular:

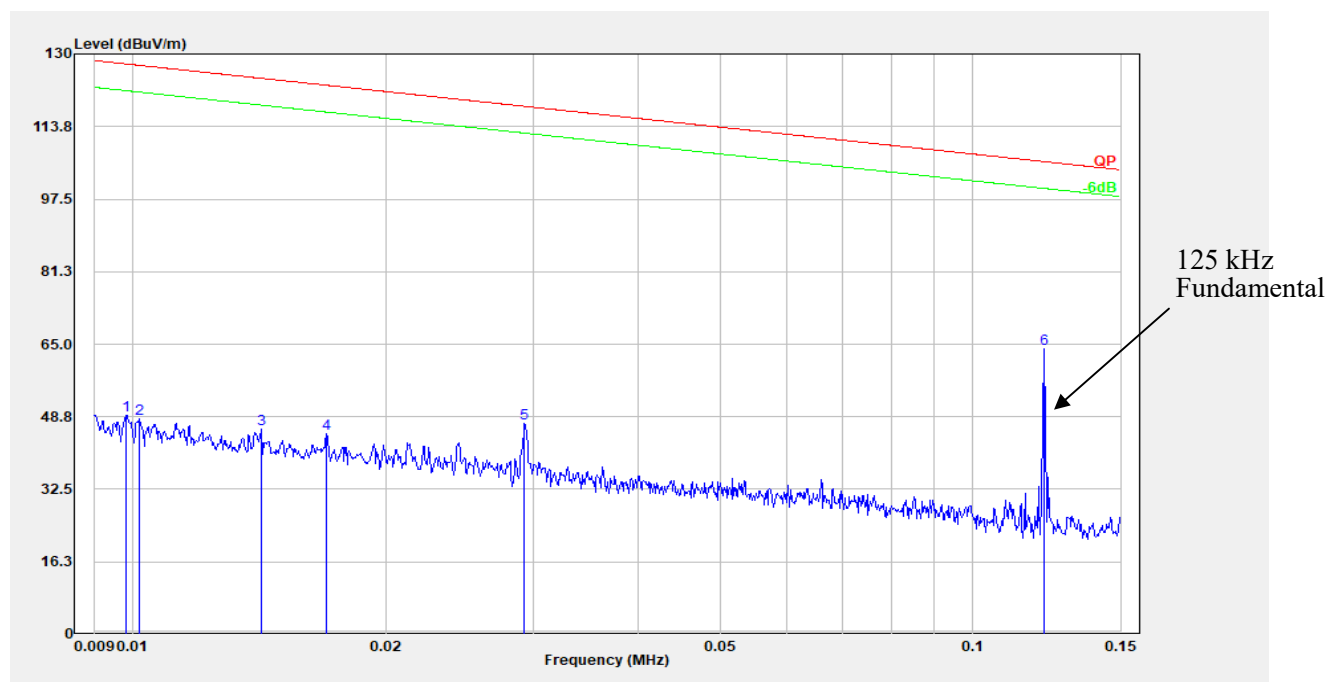


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.029	24.03	20.41	44.44	118.28	73.84	Peak
2	0.065	20.23	20.42	40.65	111.34	70.69	Peak
3	0.106	14.37	20.22	34.59	107.11	72.53	Peak
4	0.112	17.96	20.22	38.18	106.65	68.46	Peak
5	0.117	21.97	20.22	42.19	106.21	64.01	Peak
6	0.122	51.82	20.22	72.04	105.89	33.85	Peak

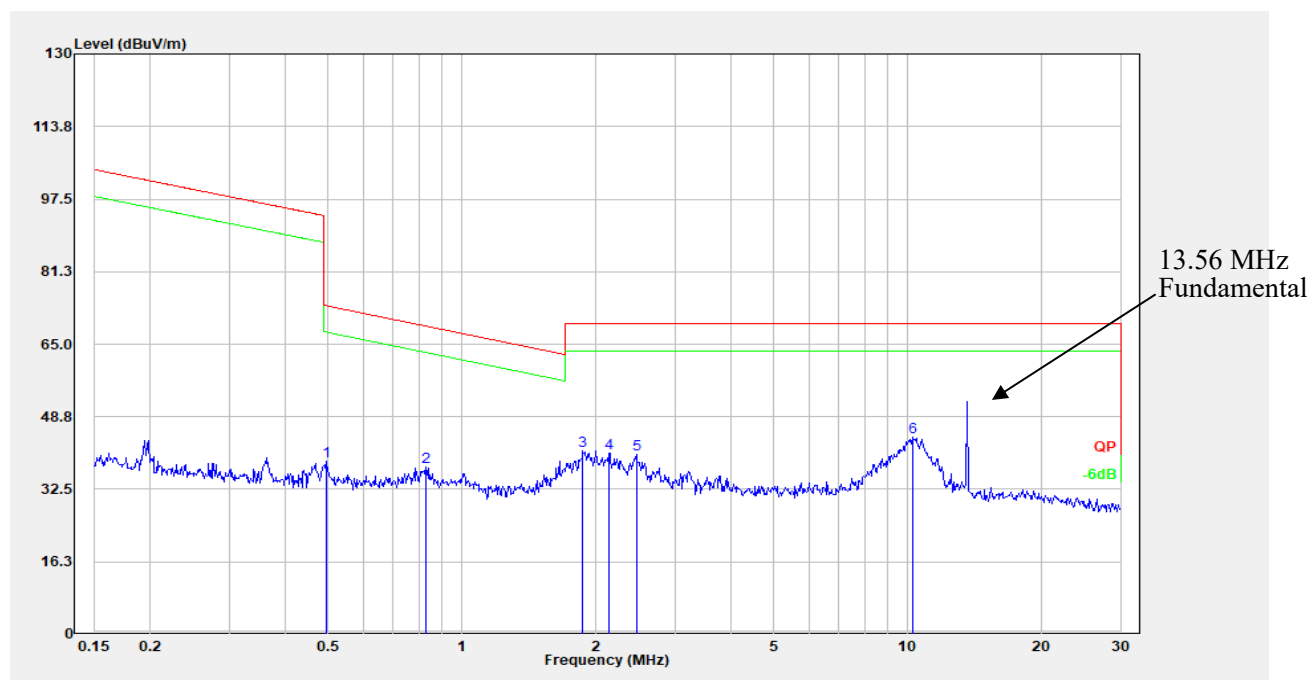
Horizontal

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.527	26.29	20.02	46.31	73.16	26.85	Peak
2	0.813	29.37	20.03	49.40	69.31	19.91	Peak
3	1.878	30.80	19.96	50.76	69.54	18.78	Peak
4	2.567	31.48	19.97	51.45	69.54	18.09	Peak
5	8.776	28.92	20.20	49.12	69.54	20.42	Peak
6	14.517	27.89	20.41	48.30	69.54	21.24	Peak

Ground-parallel:
Horizontal



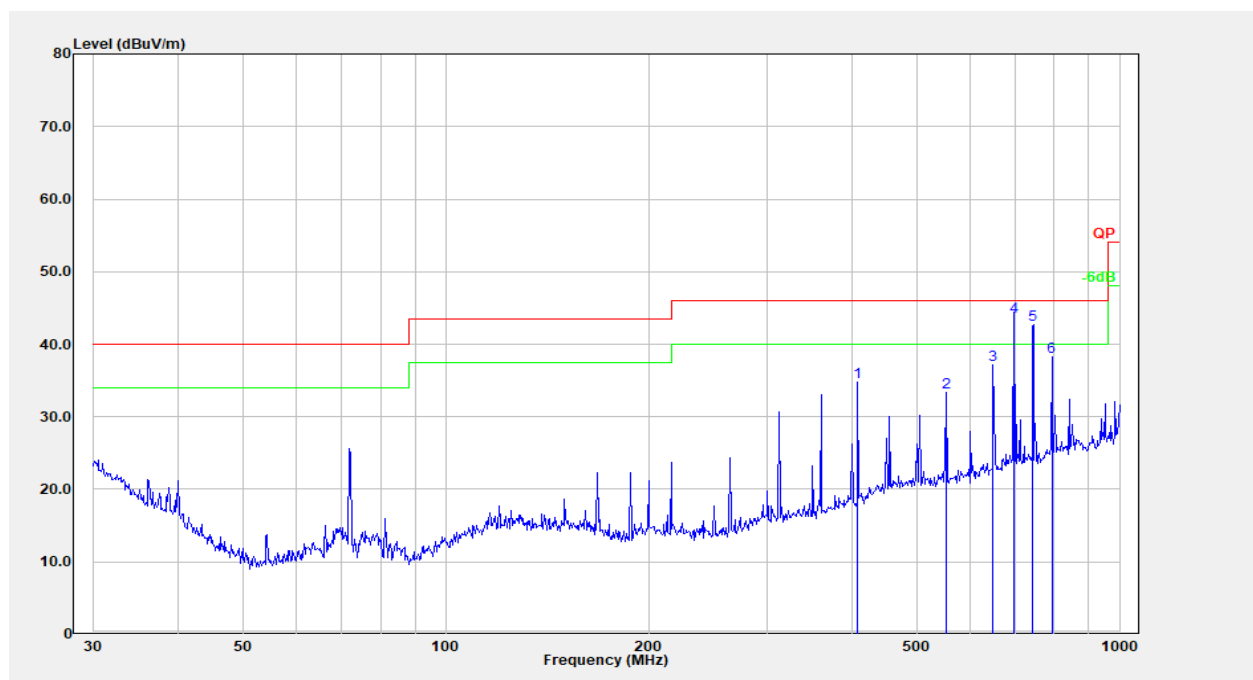
No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	0.010	28.63	20.51	49.14	127.76	78.63	Peak
2	0.010	27.92	20.51	48.43	127.44	79.02	Peak
3	0.014	25.44	20.51	45.95	124.56	78.62	Peak
4	0.017	24.38	20.51	44.89	123.00	78.10	Peak
5	0.029	26.74	20.41	47.15	118.28	71.13	Peak
6	0.121	43.65	20.22	63.87	105.92	42.04	Peak

Horizontal

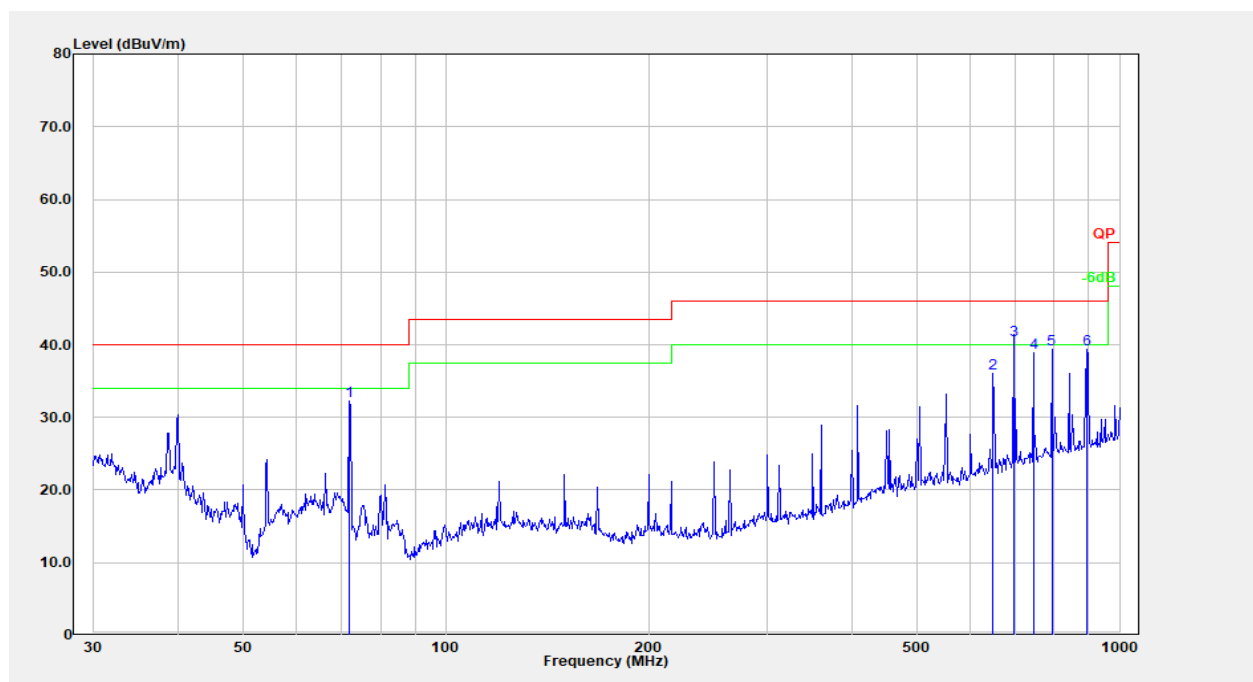
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.497	18.79	20.02	38.81	73.68	34.87	Peak
2	0.830	17.41	20.03	37.44	69.12	31.68	Peak
3	1.868	21.04	19.96	40.99	69.54	28.55	Peak
4	2.133	20.66	19.96	40.63	69.54	28.91	Peak
5	2.461	20.30	19.97	40.27	69.54	29.27	Peak
6	10.288	23.92	20.31	44.22	69.54	25.32	Peak

2) 30 MHz~1GHz

Adapter mode:

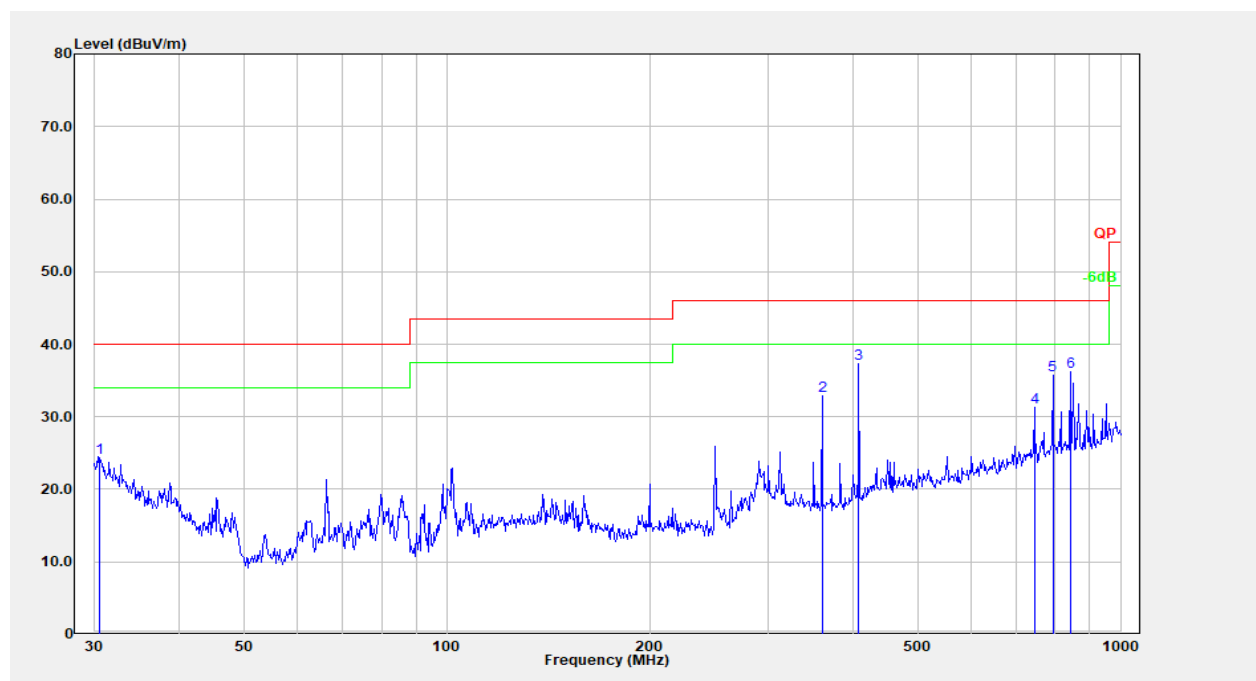
Horizontal

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	408.946	43.49	-8.66	34.84	46.00	11.16	Peak
2	552.883	39.24	-5.95	33.29	46.00	12.71	Peak
3	649.660	41.57	-4.40	37.16	46.00	8.84	Peak
4	696.022	47.41	-3.66	43.75	46.00	2.25	QP
5	744.033	45.74	-3.12	42.62	46.00	3.38	QP
6	793.396	40.74	-2.51	38.23	46.00	7.77	Peak

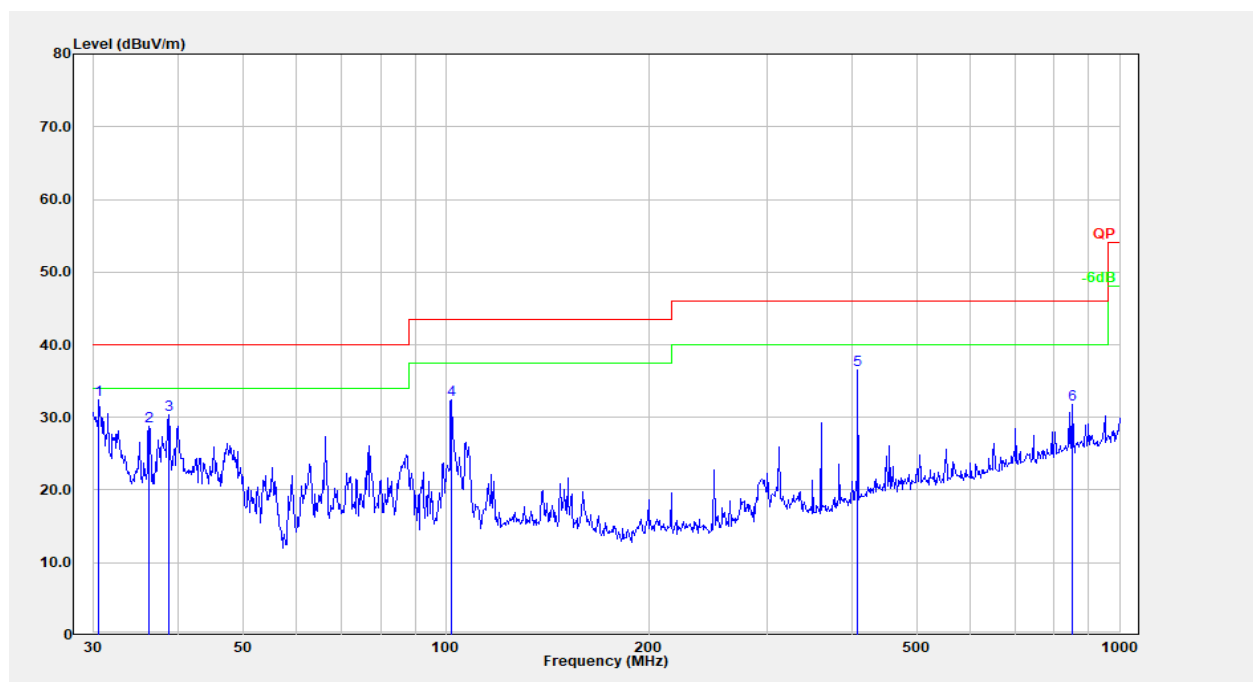
Vertical

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	71.832	49.20	-16.91	32.29	40.00	7.71	Peak
2	649.660	40.39	-4.40	35.99	46.00	10.01	Peak
3	696.050	44.29	-3.66	40.63	46.00	5.37	QP
4	744.866	41.97	-3.11	38.86	46.00	7.14	Peak
5	793.396	41.81	-2.51	39.30	46.00	6.70	Peak
6	893.857	40.78	-1.35	39.43	46.00	6.57	Peak

POE mode:

Horizontal

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	28.52	-4.20	24.32	40.00	15.68	Peak
2	360.448	42.97	-10.04	32.93	46.00	13.07	Peak
3	408.946	45.97	-8.66	37.31	46.00	8.69	Peak
4	744.866	34.37	-3.11	31.26	46.00	14.74	Peak
5	793.396	38.24	-2.51	35.73	46.00	10.27	Peak
6	842.130	38.11	-1.86	36.25	46.00	9.75	Peak

Vertical

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	36.68	-4.20	32.48	40.00	7.52	Peak
2	36.254	37.45	-8.62	28.83	40.00	11.17	Peak
3	38.752	40.85	-10.52	30.33	40.00	9.67	Peak
4	102.001	46.59	-14.22	32.37	43.50	11.13	Peak
5	408.946	45.18	-8.66	36.52	46.00	9.48	Peak
6	851.035	33.56	-1.73	31.83	46.00	14.17	Peak

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