中认信通
CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **Ingenico**

Address: 9 Avenue de la gare - Rovaltain TGV, BP25156,Valence Cedex 9, 26958, France

FCC ID: **XKB-RX7CLWBT**

Product Name: **Smart POS Terminal**

Standard(s): **47 CFR Part 15 Subpart B**
ANSI C63.4-2014

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

Report Number: **CR22060017-00E**

Date Of Issue: **2022-08-27**

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
Tel: +86-769-82016888

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:	Smart POS Terminal
EUT Model:	AXIUM RX7000
Highest Operation Frequency:	5825 MHz
Rated Input Voltage:	DC 8-14V from adapter
Serial Number:	CR22060017-RF-S1
EUT Received Date:	2022.6.28
EUT Received Status:	GOOD
Note: This model has two configurations, which was electronically identical. Please refer to the declaration letter for more detail, which was provided by manufacturer. All tests were tested with the configuration of With Back Camera, which was the maximum Load.	

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
Adapter 1#	Ingenico	PSC16A-080L6	Input: 100-240V~50/60Hz 0.5A Output: 8.0V 2A
Adapter 2#	Ktec	KSA-32A-080300M2	Input: 100-240V~50/60Hz 1.0A Output: 8.0V 3A
Adapter 3#	Phihong Technology Co., Ltd	AM24W-080B	Input: 100-240V~50/60Hz 0.6A 47~58VA Output: 8.0V 3A 24W

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Typical Use Mode, which was provided by the manufacturer. Test Mode 1(M1): RJ45 Operating Test Mode 2(M2): RSS232 Operating Test Mode 3(M3): Retail USB Operating(DC 8V/DC 14V) Test Mode 4(M4): USB A Operating Test Mode 5(M5): USB A+Host Operating
Equipment Modifications:	No
EUT Exercise Software:	Sscom.exe

1.2.2 Support Equipment List and Details

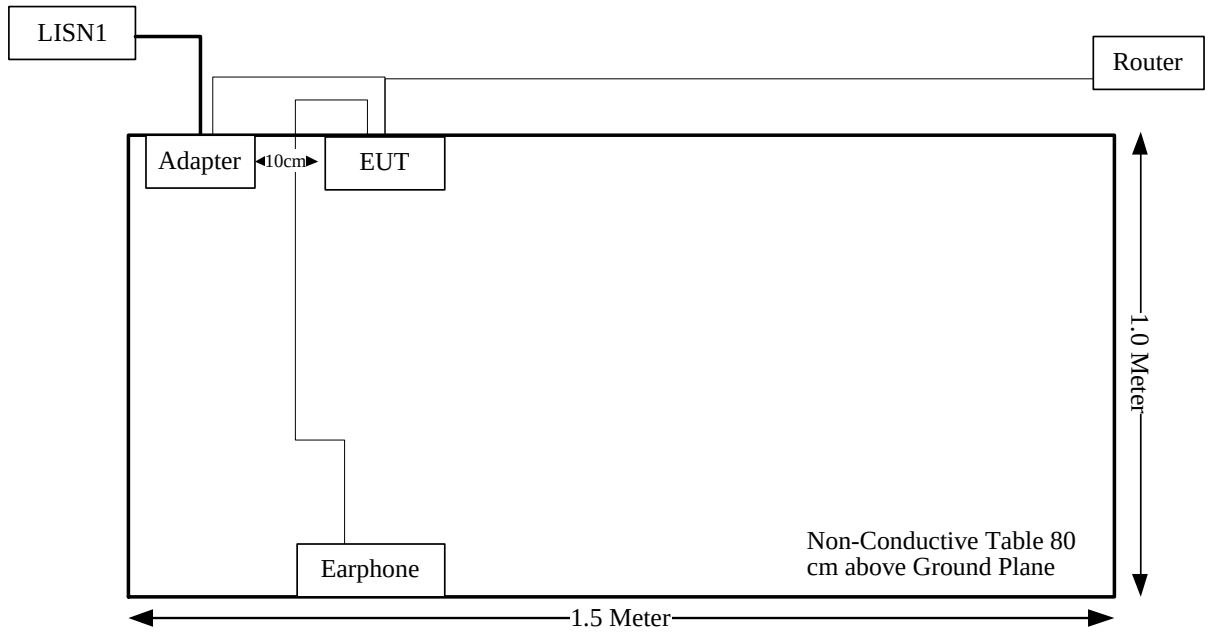
Manufacturer	Description	Model	Serial Number
SanDisk	USB Disk	16 GB	BL201026210Z
Unknown	Retail USB Adapter	Unknown	Retail USB Adapter 8V
Unknown	Retail USB Adapter	Unknown	Retail USB Adapter 14V
SanDisk	TF Card	16 GB	1183DRECV11N
PHILIPS	Keyboard	SPT6234	K234210510746
PHILIPS	Mouse	SPT6234	C234210506222
Lenovo	Laptop	T460S	60PDTEK8
CLC	Earphone	Blackview5.0	EMZBEP21103001W
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386

1.2.3 Support Cable List and Details

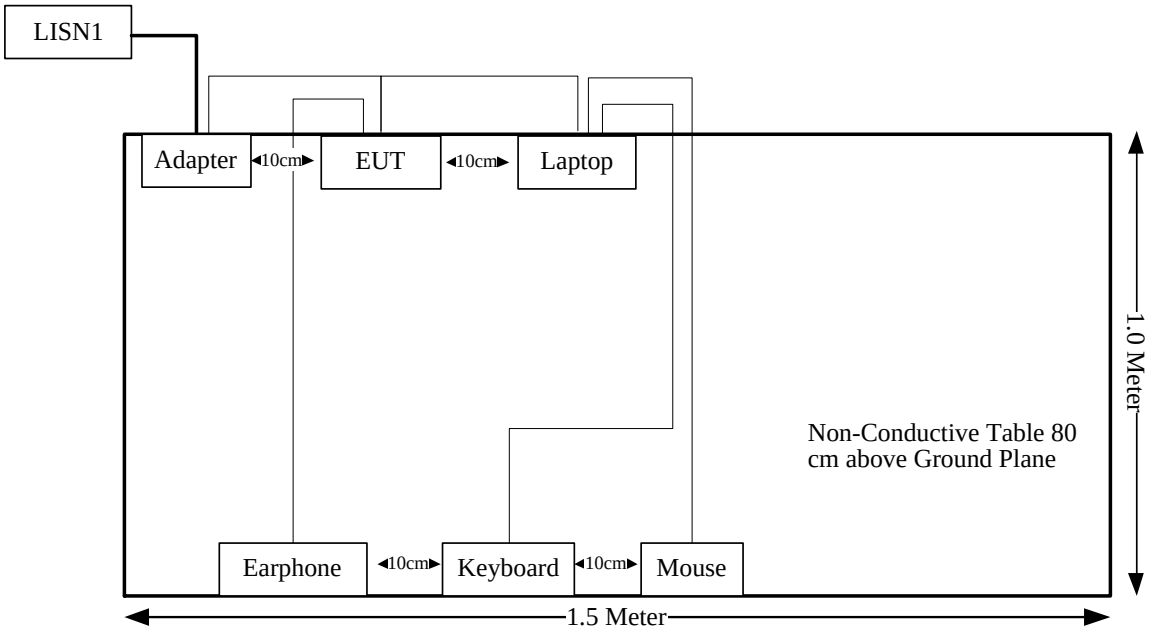
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Keyboard Cable	No	No	1.2	Keyboard	laptop
Headset Cable	No	No	1.2	Audio Port of EUT	Earphone
Mouse Cable	No	No	1.2	Mouse	laptop
Ethernet&power Cable	Yes	Yes	4.0	Router/Adapter	EUT
USB A+Host &power Cable	Yes	Yes	4.0	Laptop/Adapter /USB Disk	EUT
USB A&power Cable	Yes	Yes	4.0	Laptop/Adapter	EUT
Retail USB Cable	Yes	Yes	5.0	Laptop	EUT
RSS-232&power Cable	Yes	Yes	5.0	Laptop/Adapter	EUT

1.2.4 Block Diagram of Test Setup

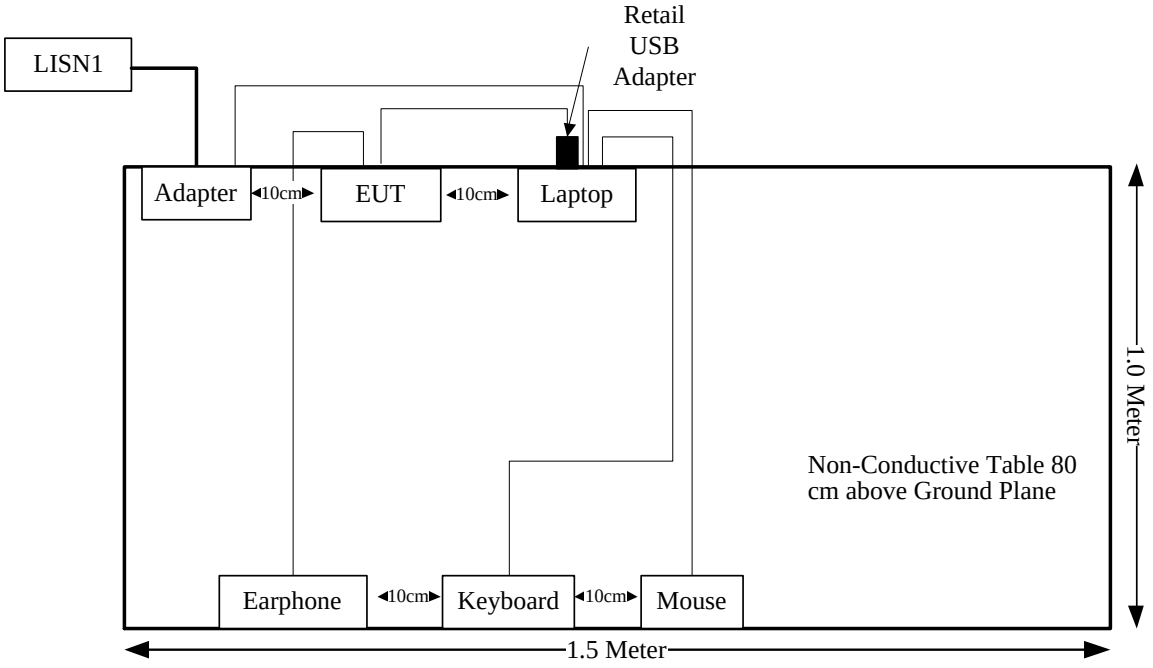
Conducted emissions:
Test Mode 1:



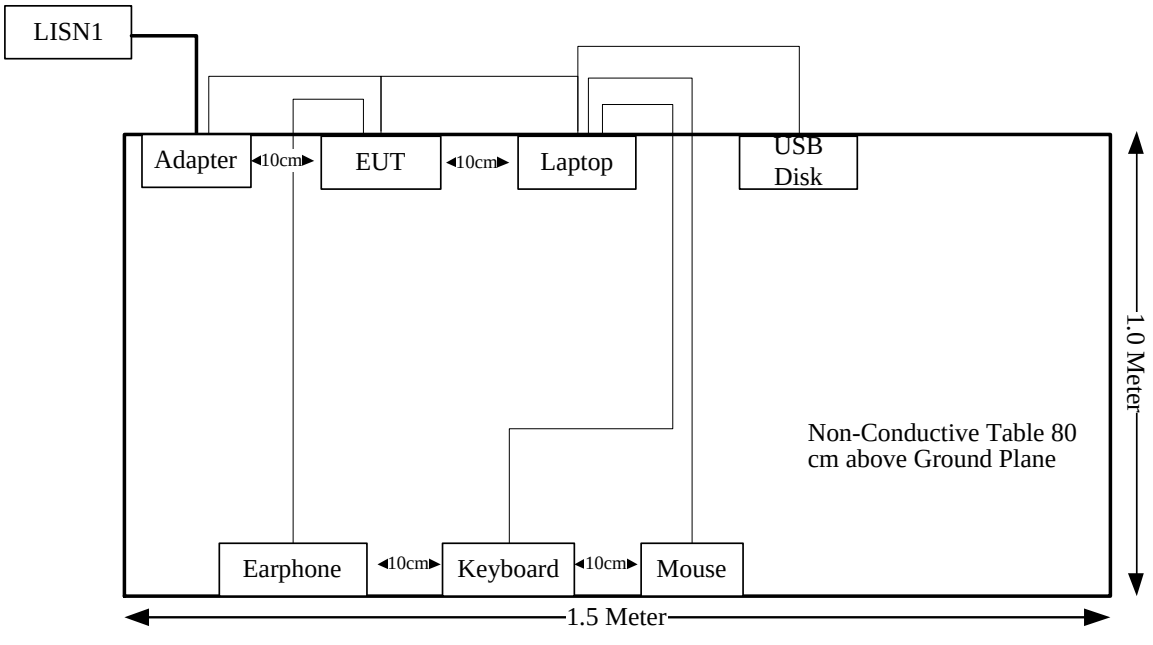
Test Mode 2&4:



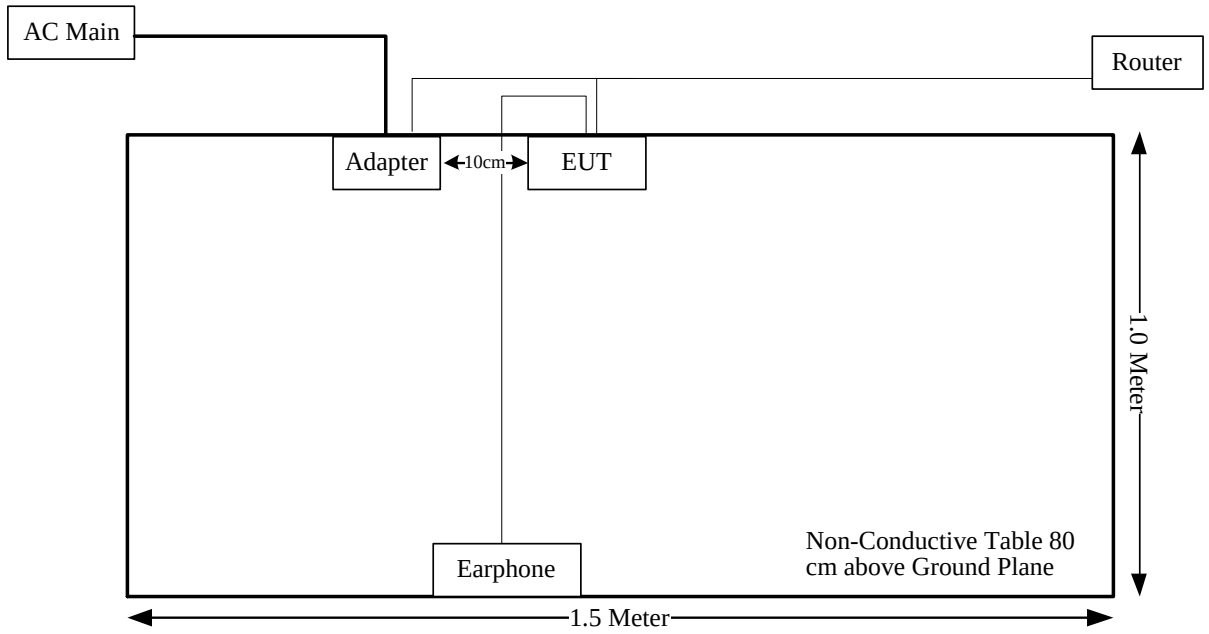
Test Mode 3:



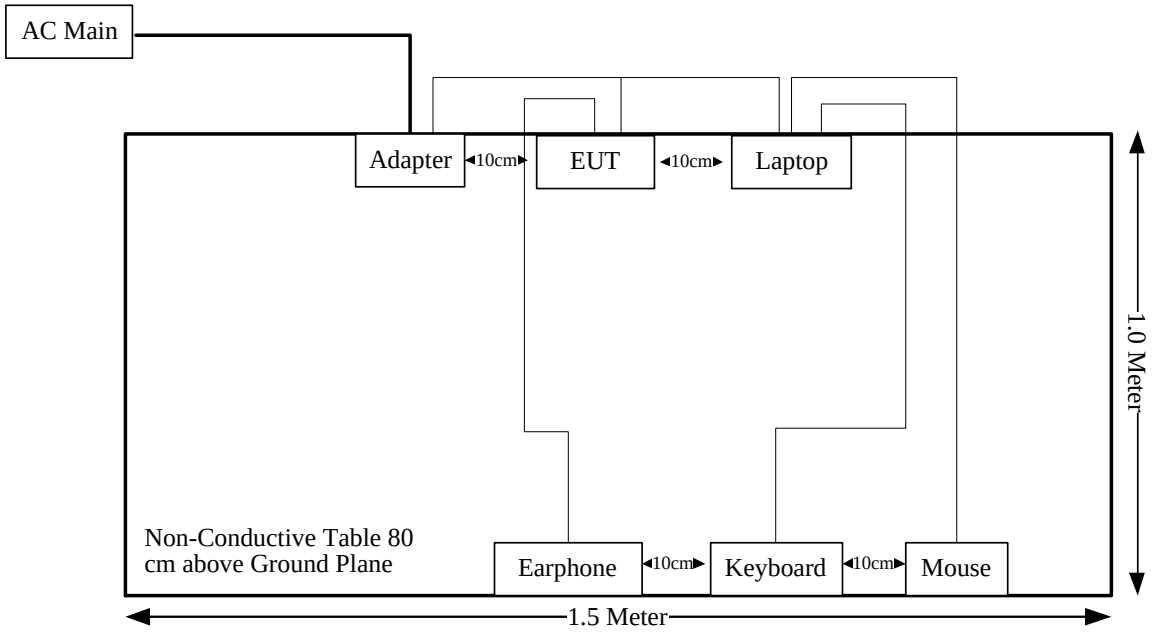
Test Mode 5:



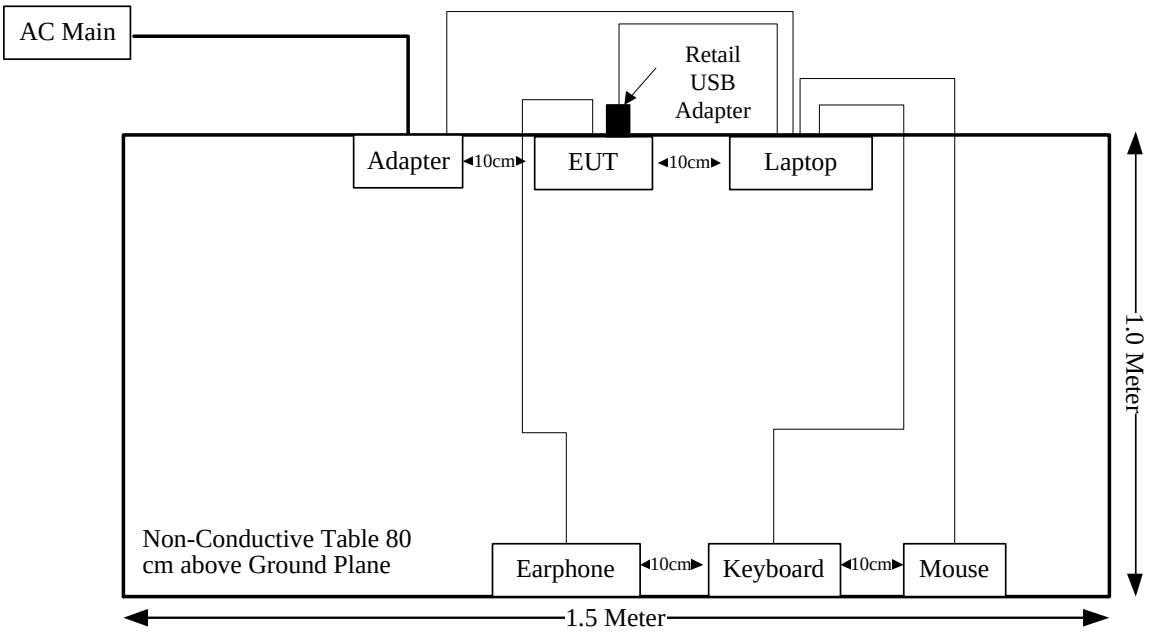
Radiated emissions:
Test Mode 1:



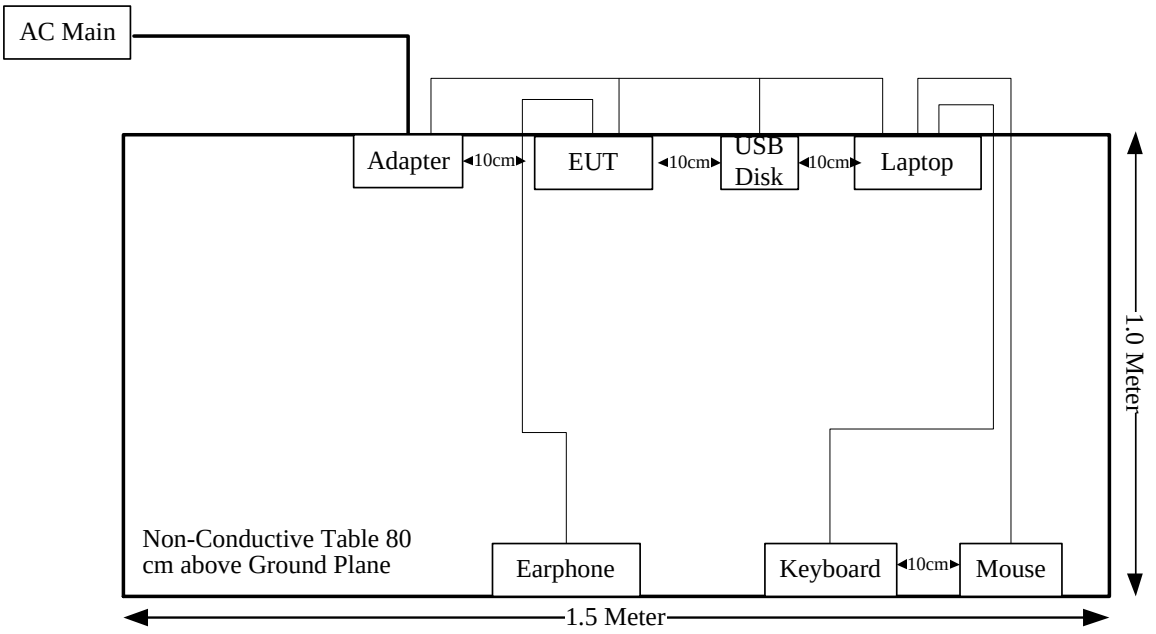
Test Mode 2&4:



Test Mode 3:



Test Mode 5:



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
Unwanted Emissions, radiated	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%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

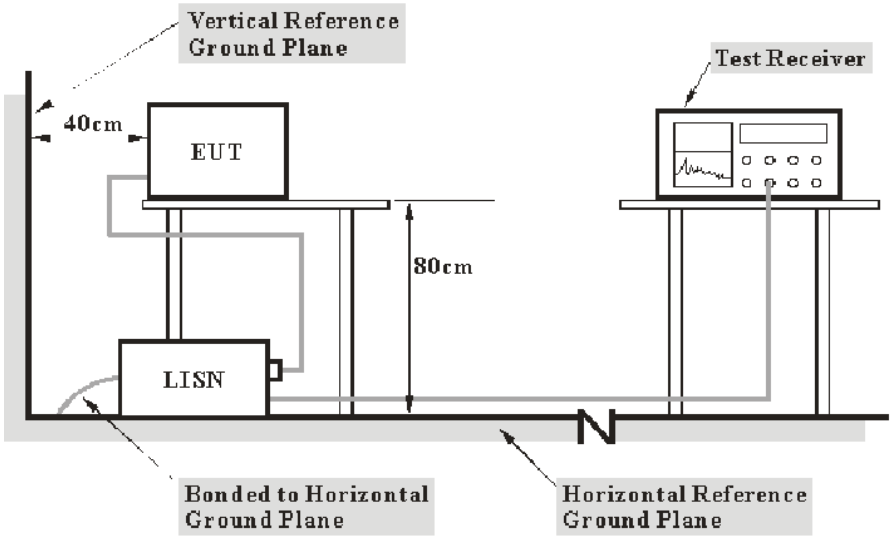
2. SUMMARY OF TEST RESULTS

Standard(s) Section	Description of Test	Result
§15.107	Conducted emissions	Compliant
§15.109	Radiated emissions	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 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 C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

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

3.1.2 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

3.1.3 Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT, the report shall list the six emissions with the smallest margin relative to the limit, unless the margin is greater than 20 dB.

All data was recorded in the Quasi-peak and average detection mode.

The report shall list the six emissions with the smallest margin relative to the limit, unless the margin is greater than 20 dB.

3.1.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

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

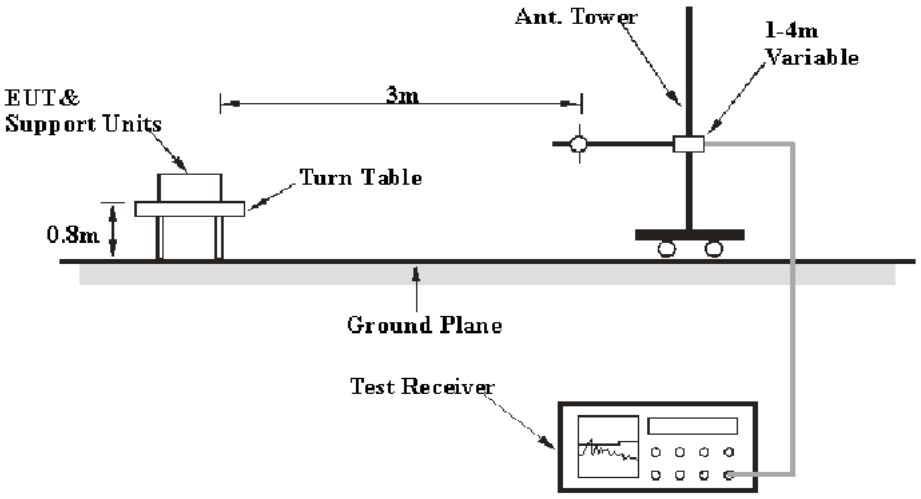
The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

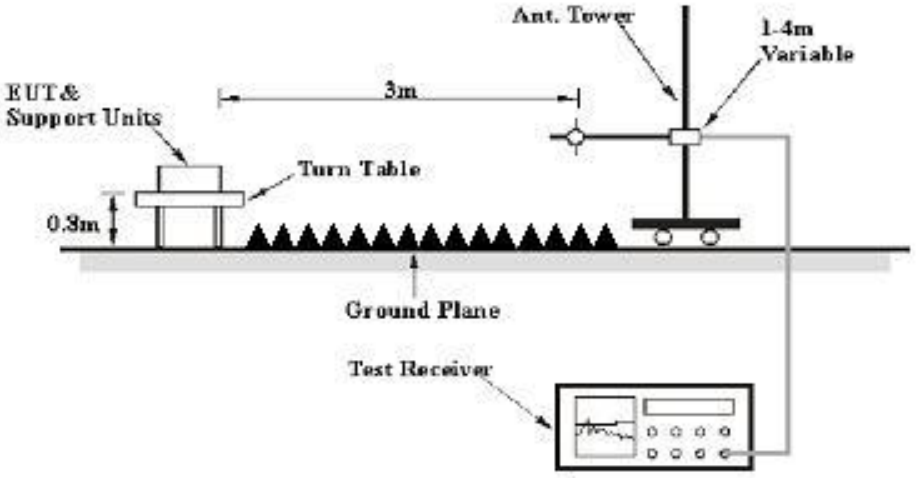
3.2 Radiation Spurious Emissions

3.2.1 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was with the FCC Part 15 B Class B limits.

3.2.2 EMI Test Receiver Setup

The system was investigated from 30 MHz to 30 GHz.

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

Frequency Range	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	3 MHz	/	AVG

If the maximized peak measured value complies with under the limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

3.2.3 Test Procedure

During the radiated emissions, the adapter was connected to the first AC floor outlet and the other support equipments were connected to the second AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The data was recorded in the Quasi-peak detection mode for below 1 GHz, peak and average detection mode above 1 GHz.

All emissions under the average limit and under the noise floor have not recorded in the report.

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

4. TEST DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	CR22060017-RF-S1	Test Date:	2022-08-05~2022-08-26
Test Site:	CE	Test Mode:	operating
Tester:	Vic Du	Test Result:	Pass

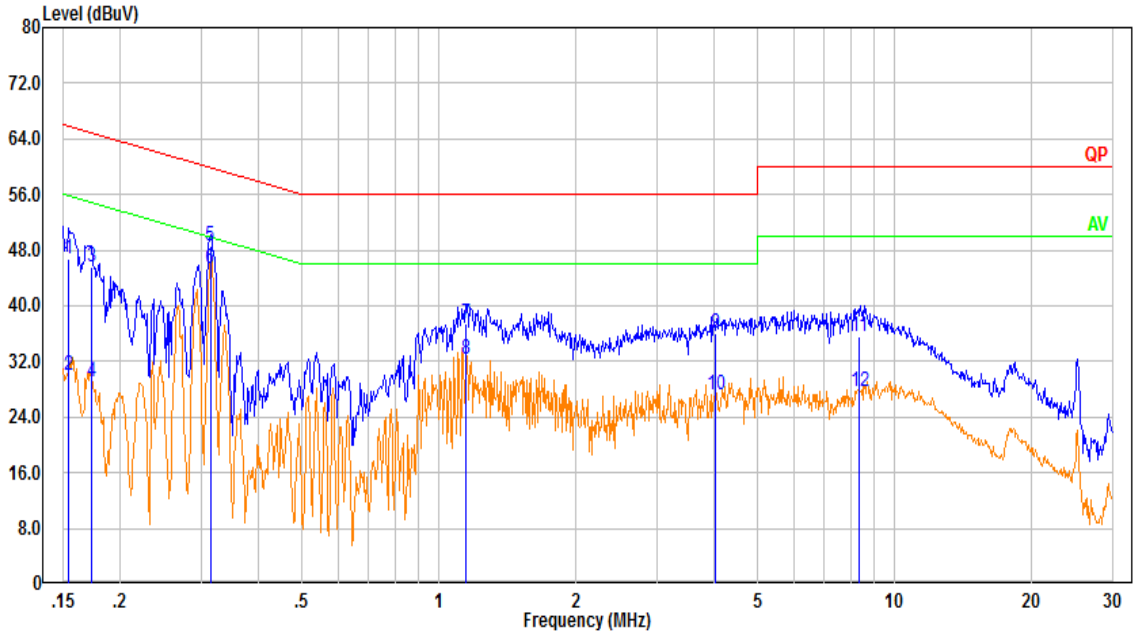
Environmental Conditions:					
Temperature: (℃)	27.1~27.5	Relative Humidity: (%)	63~70	ATM Pressure: (kPa)	100.1~100.2

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
				2022-08-07	2023-08-06
Audix	Test Software	E3	190306 (V9)	N/A	N/A

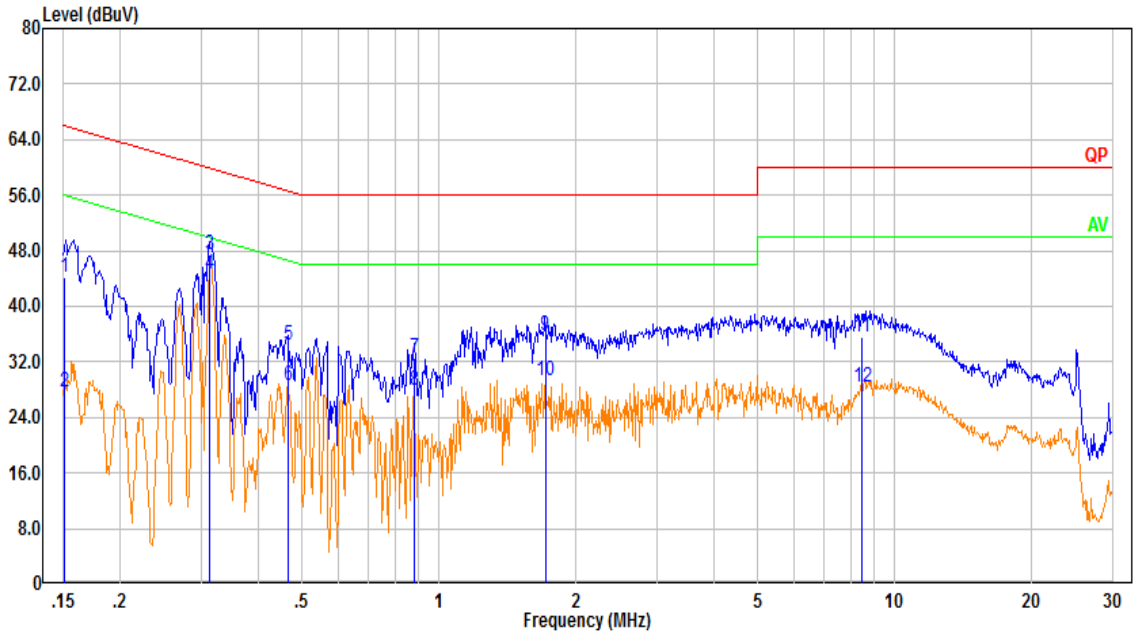
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Adapter 1#:
M1:
Line:



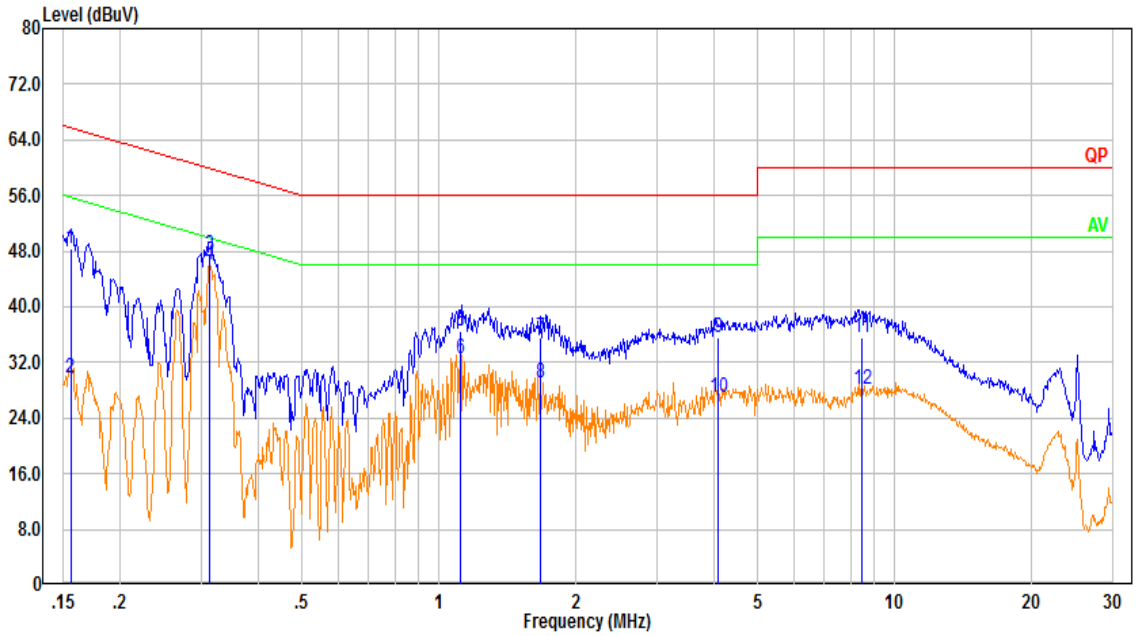
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.154	37.19	9.61	46.80	65.78	18.98	QP
2	0.154	20.39	9.61	30.00	55.78	25.78	Average
3	0.172	36.05	9.61	45.66	64.84	19.18	QP
4	0.172	19.55	9.61	29.16	54.84	25.68	Average
5	0.315	38.95	9.61	48.56	59.85	11.29	QP
6	0.315	35.76	9.61	45.37	49.85	4.48	Average
7	1.145	27.79	9.62	37.41	56.00	18.59	QP
8	1.145	22.70	9.62	32.32	46.00	13.68	Average
9	4.046	26.42	9.65	36.07	56.00	19.93	QP
10	4.046	17.64	9.65	27.29	46.00	18.71	Average
11	8.346	25.87	9.67	35.54	60.00	24.46	QP
12	8.346	18.00	9.67	27.67	50.00	22.33	Average

Neutral:



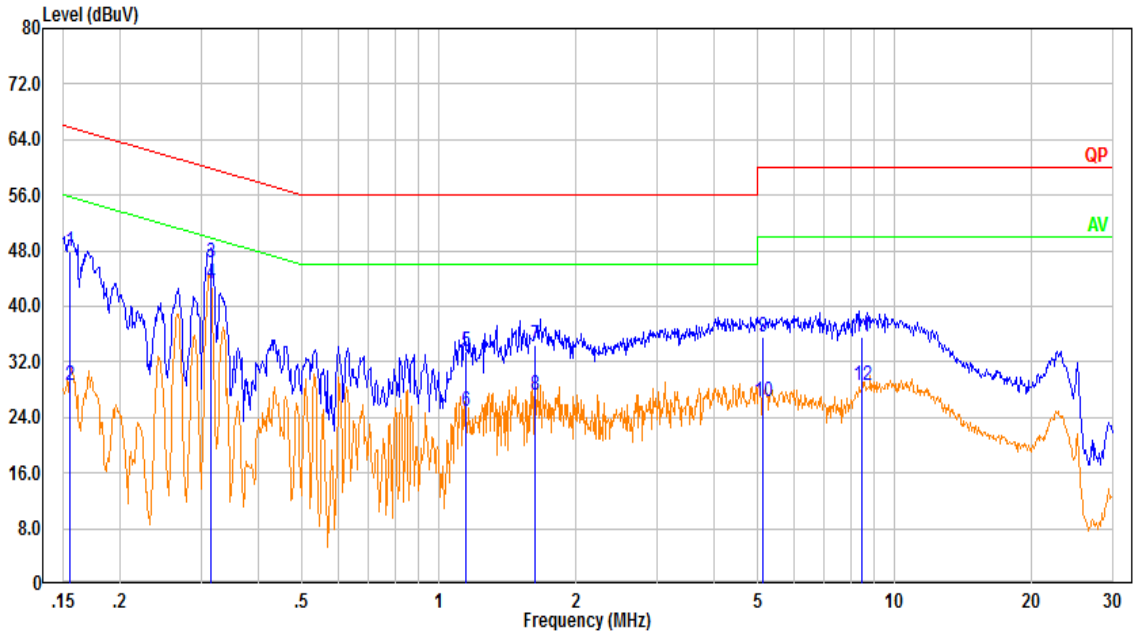
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.151	34.51	9.61	44.12	65.95	21.83	QP
2	0.151	18.05	9.61	27.66	55.95	28.29	Average
3	0.314	37.81	9.61	47.42	59.86	12.44	QP
4	0.314	34.93	9.61	44.54	49.86	5.32	Average
5	0.466	24.82	9.61	34.43	56.58	22.15	QP
6	0.466	18.97	9.61	28.58	46.58	18.00	Average
7	0.882	22.85	9.62	32.47	56.00	23.53	QP
8	0.882	18.20	9.62	27.82	46.00	18.18	Average
9	1.710	26.09	9.63	35.72	56.00	20.28	QP
10	1.710	19.65	9.63	29.28	46.00	16.72	Average
11	8.477	25.97	9.67	35.64	60.00	24.36	QP
12	8.477	18.69	9.67	28.36	50.00	21.64	Average

M2:
Line:



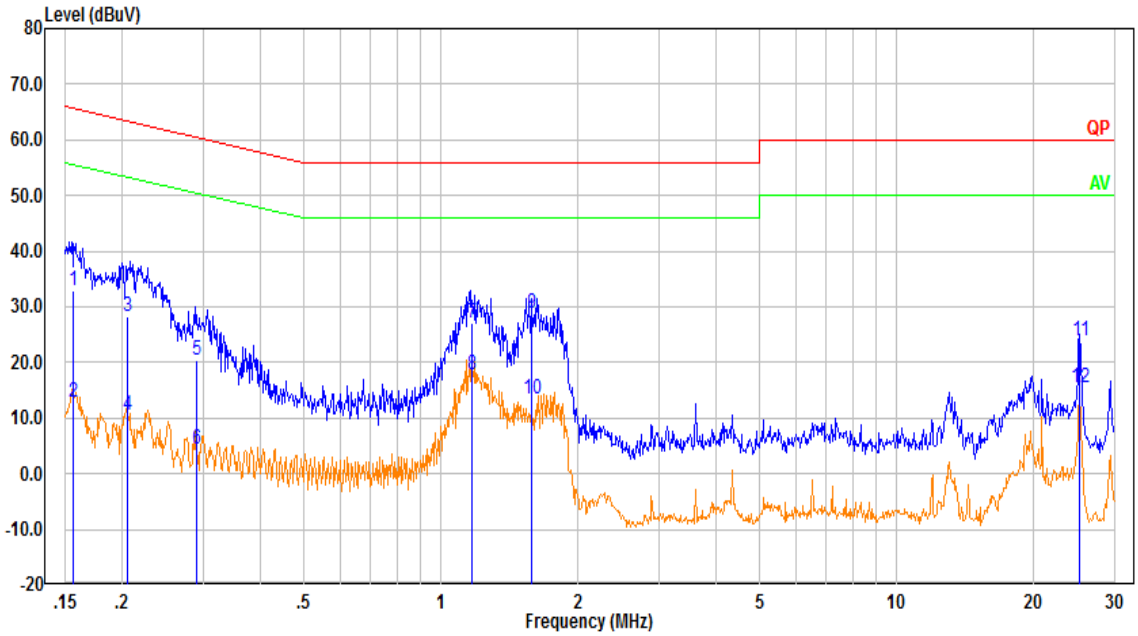
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.155	38.78	9.61	48.39	65.71	17.32	QP
2	0.155	20.11	9.61	29.72	55.71	25.99	Average
3	0.313	37.92	9.61	47.53	59.88	12.35	QP
4	0.313	36.42	9.61	46.03	49.88	3.85	Average
5	1.112	26.81	9.62	36.43	56.00	19.57	QP
6	1.112	22.90	9.62	32.53	46.00	13.47	Average
7	1.674	26.04	9.63	35.66	56.00	20.34	QP
8	1.674	19.37	9.63	29.00	46.00	17.00	Average
9	4.106	25.92	9.65	35.57	56.00	20.43	QP
10	4.106	17.22	9.65	26.87	46.00	19.13	Average
11	8.466	25.95	9.67	35.62	60.00	24.38	QP
12	8.466	18.39	9.67	28.06	50.00	21.94	Average

Neutral:



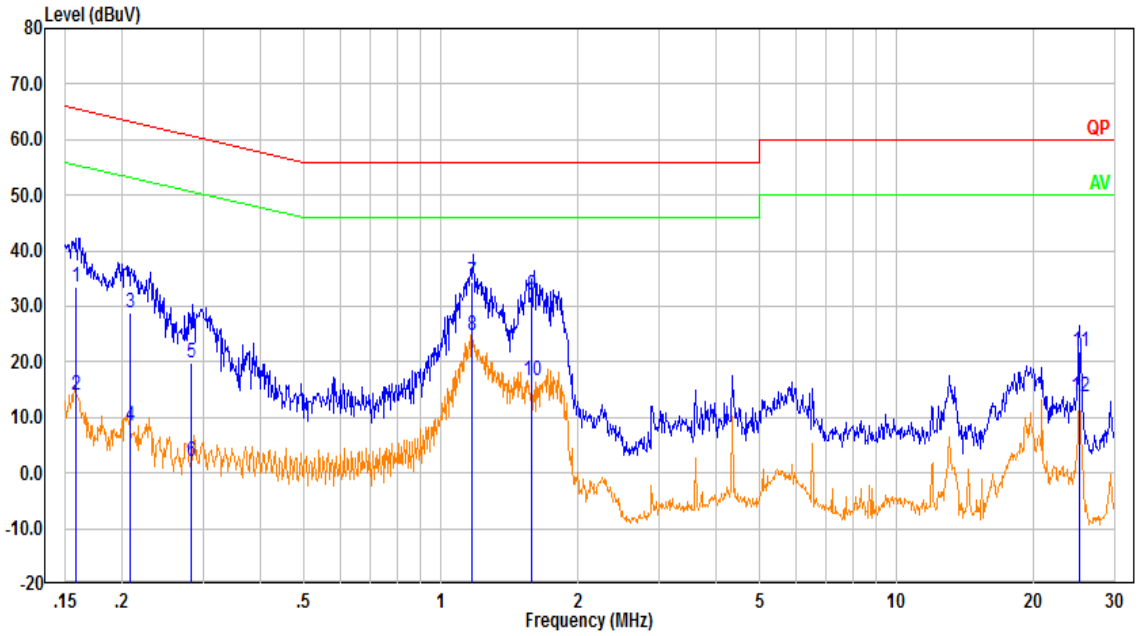
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.154	38.24	9.61	47.85	65.76	17.91	QP
2	0.154	19.09	9.61	28.70	55.76	27.06	Average
3	0.316	36.71	9.61	46.32	59.82	13.50	QP
4	0.316	33.63	9.61	43.24	49.82	6.58	Average
5	1.145	23.82	9.62	33.45	56.00	22.55	QP
6	1.145	15.16	9.62	24.78	46.00	21.22	Average
7	1.626	24.71	9.63	34.34	56.00	21.66	QP
8	1.626	17.62	9.63	27.25	46.00	18.75	Average
9	5.136	25.89	9.66	35.55	60.00	24.45	QP
10	5.136	16.55	9.66	26.21	50.00	23.79	Average
11	8.459	25.96	9.67	35.63	60.00	24.37	QP
12	8.459	18.86	9.67	28.53	50.00	21.47	Average

M3(DC 8V):
Line:



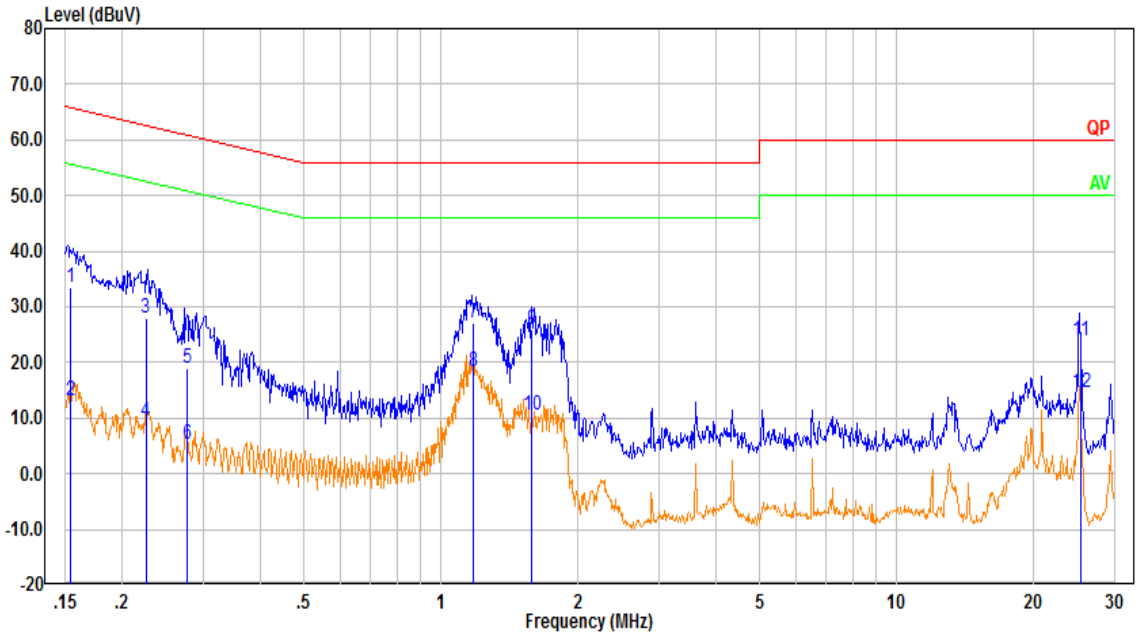
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.155	23.42	9.61	33.03	65.71	32.68	QP
2	0.155	3.38	9.61	12.99	55.71	42.72	Average
3	0.206	18.53	9.61	28.14	63.38	35.24	QP
4	0.206	0.84	9.61	10.45	53.38	42.93	Average
5	0.291	10.80	9.61	20.41	60.49	40.08	QP
6	0.291	-5.08	9.61	4.53	50.49	45.96	Average
7	1.171	17.45	9.62	27.07	56.00	28.93	QP
8	1.171	8.24	9.62	17.87	46.00	28.13	Average
9	1.577	19.10	9.63	28.72	56.00	27.28	QP
10	1.577	3.69	9.63	13.31	46.00	32.69	Average
11	25.247	13.97	9.81	23.78	60.00	36.22	QP
12	25.247	5.56	9.81	15.37	50.00	34.63	Average

Neutral:



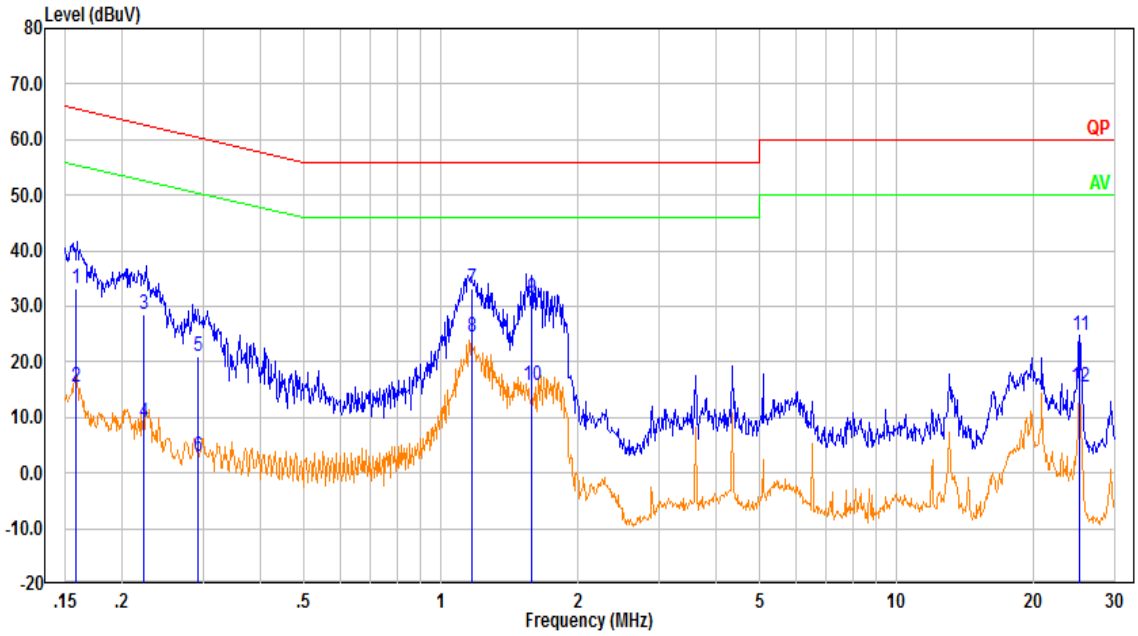
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.158	23.92	9.61	33.53	65.58	32.05	QP
2	0.158	4.30	9.61	13.91	55.58	41.67	Average
3	0.208	19.25	9.61	28.86	63.29	34.43	QP
4	0.208	-1.16	9.61	8.45	53.29	44.84	Average
5	0.283	10.25	9.61	19.86	60.72	40.86	QP
6	0.283	-7.61	9.61	2.00	50.72	48.72	Average
7	1.170	24.82	9.62	34.45	56.00	21.55	QP
8	1.170	15.01	9.62	24.63	46.00	21.37	Average
9	1.578	22.50	9.63	32.13	56.00	23.87	QP
10	1.578	6.98	9.63	16.61	46.00	29.39	Average
11	25.238	12.04	9.76	21.80	60.00	38.20	QP
12	25.238	4.02	9.76	13.78	50.00	36.22	Average

M3(14V):
Line:



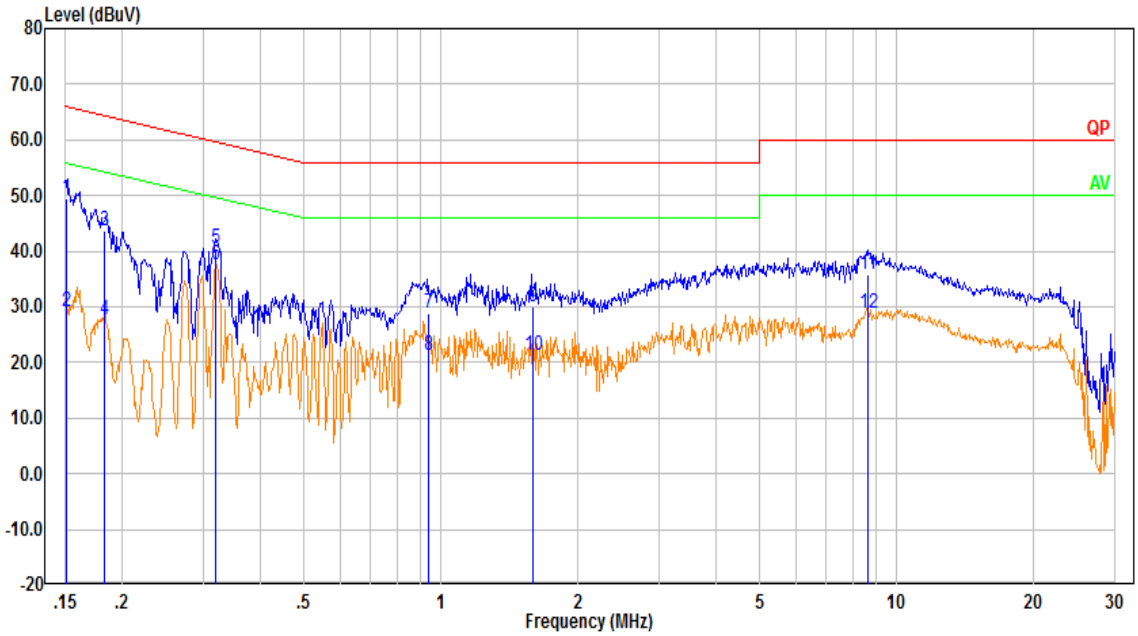
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.153	24.00	9.61	33.61	65.82	32.21	QP
2	0.153	3.58	9.61	13.19	55.82	42.63	Average
3	0.225	18.50	9.61	28.11	62.64	34.53	QP
4	0.225	-0.26	9.61	9.35	52.64	43.29	Average
5	0.278	9.27	9.61	18.88	60.89	42.01	QP
6	0.278	-4.36	9.61	5.25	50.89	45.64	Average
7	1.180	17.35	9.62	26.97	56.00	29.03	QP
8	1.180	8.86	9.62	18.49	46.00	27.51	Average
9	1.577	16.29	9.63	25.91	56.00	30.09	QP
10	1.577	0.92	9.63	10.54	46.00	35.46	Average
11	25.343	14.08	9.81	23.90	60.00	36.10	QP
12	25.343	4.84	9.81	14.66	50.00	35.34	Average

Neutral:



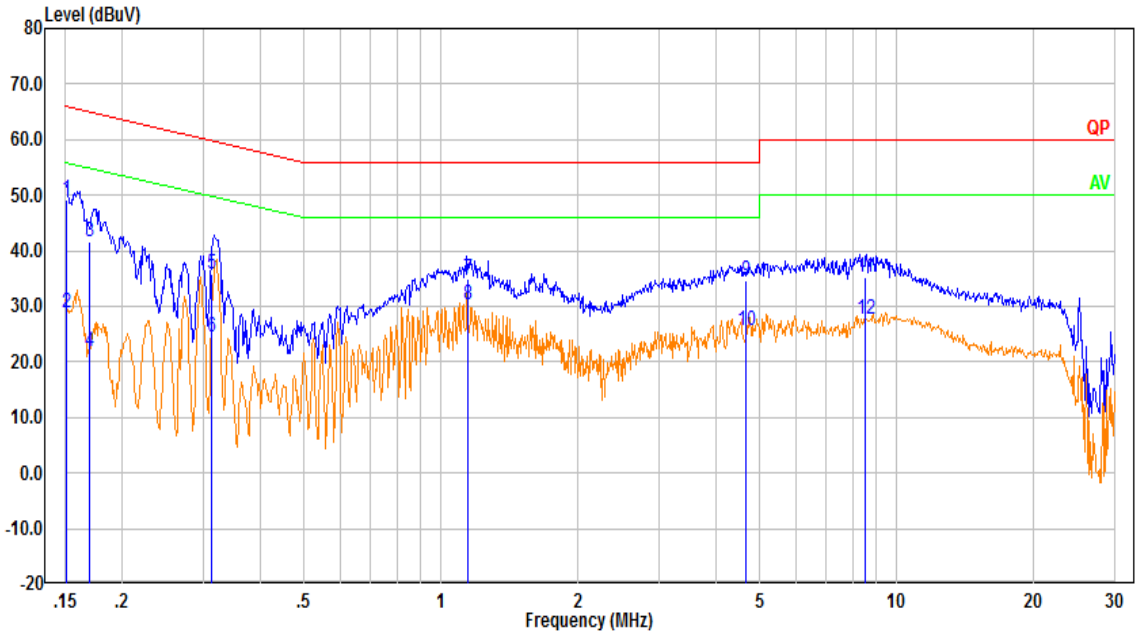
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.158	23.55	9.61	33.16	65.58	32.42	QP
2	0.158	5.86	9.61	15.47	55.58	40.11	Average
3	0.223	18.85	9.61	28.46	62.70	34.24	QP
4	0.223	-0.67	9.61	8.94	52.70	43.76	Average
5	0.292	11.44	9.61	21.05	60.47	39.42	QP
6	0.292	-6.57	9.61	3.04	50.47	47.43	Average
7	1.168	23.46	9.62	33.08	56.00	22.92	QP
8	1.168	14.78	9.62	24.40	46.00	21.60	Average
9	1.578	21.78	9.63	31.40	56.00	24.60	QP
10	1.578	6.24	9.63	15.87	46.00	30.13	Average
11	25.249	15.02	9.76	24.79	60.00	35.21	QP
12	25.249	5.84	9.76	15.61	50.00	34.39	Average

M4:
Line:



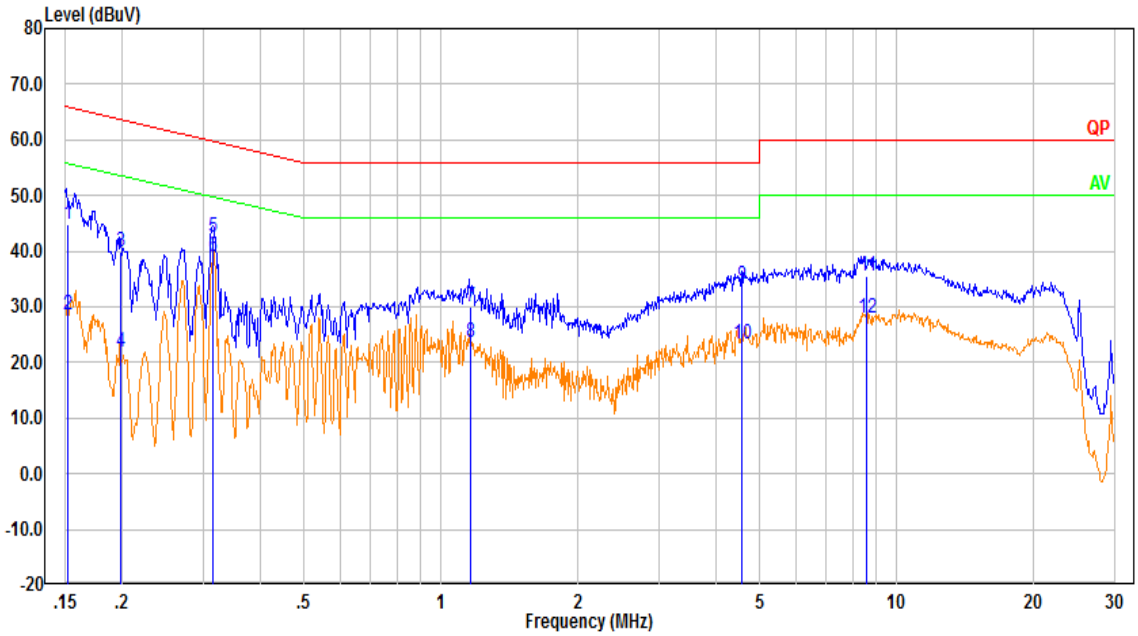
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.150	39.86	9.61	49.47	65.98	16.51	QP
2	0.150	19.46	9.61	29.07	55.98	26.91	Average
3	0.183	33.99	9.61	43.60	64.35	20.75	QP
4	0.183	18.02	9.61	27.63	54.35	26.72	Average
5	0.319	30.86	9.61	40.47	59.73	19.26	QP
6	0.319	27.93	9.61	37.54	49.73	12.19	Average
7	0.936	19.09	9.62	28.71	56.00	27.29	QP
8	0.936	11.78	9.62	21.40	46.00	24.60	Average
9	1.589	20.44	9.63	30.07	56.00	25.93	QP
10	1.589	11.52	9.63	21.14	46.00	24.86	Average
11	8.621	26.25	9.67	35.92	60.00	24.08	QP
12	8.621	19.24	9.67	28.91	50.00	21.09	Average

Neutral:



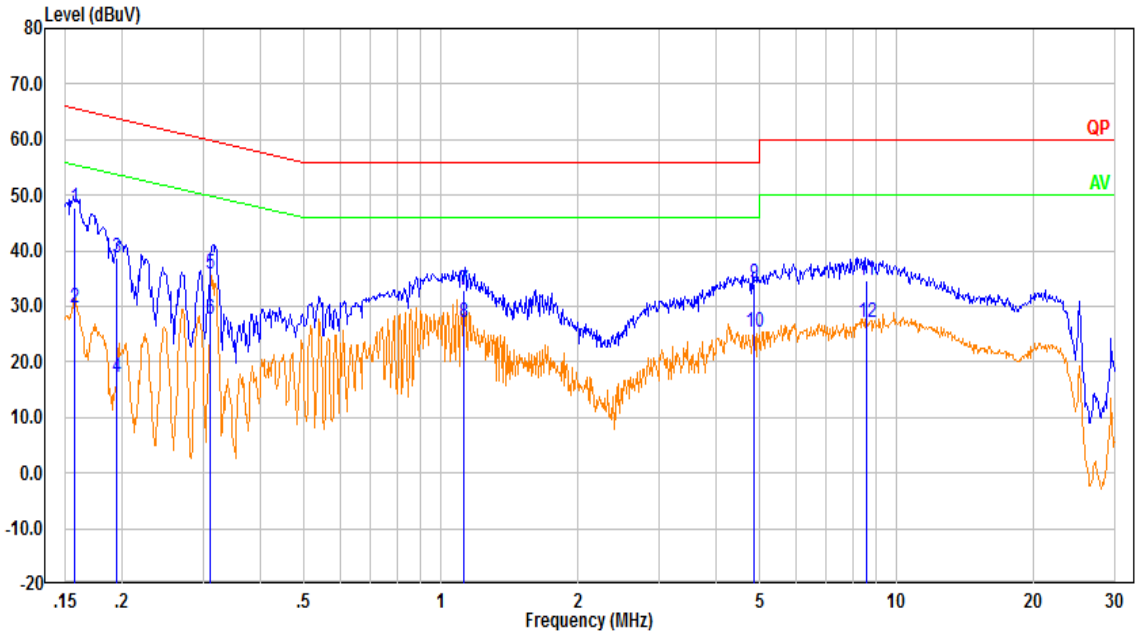
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.150	39.62	9.61	49.23	65.98	16.75	QP
2	0.150	19.27	9.61	28.88	55.98	27.10	Average
3	0.170	32.11	9.61	41.72	64.98	23.26	QP
4	0.170	12.38	9.61	21.99	54.98	32.99	Average
5	0.313	26.24	9.61	35.85	59.90	24.05	QP
6	0.313	14.86	9.61	24.47	49.90	25.43	Average
7	1.144	25.39	9.62	35.01	56.00	20.99	QP
8	1.144	20.69	9.62	30.31	46.00	15.69	Average
9	4.669	24.96	9.66	34.62	56.00	21.38	QP
10	4.669	15.89	9.66	25.54	46.00	20.46	Average
11	8.507	25.64	9.67	35.31	60.00	24.69	QP
12	8.507	18.15	9.67	27.82	50.00	22.18	Average

M5:
Line:



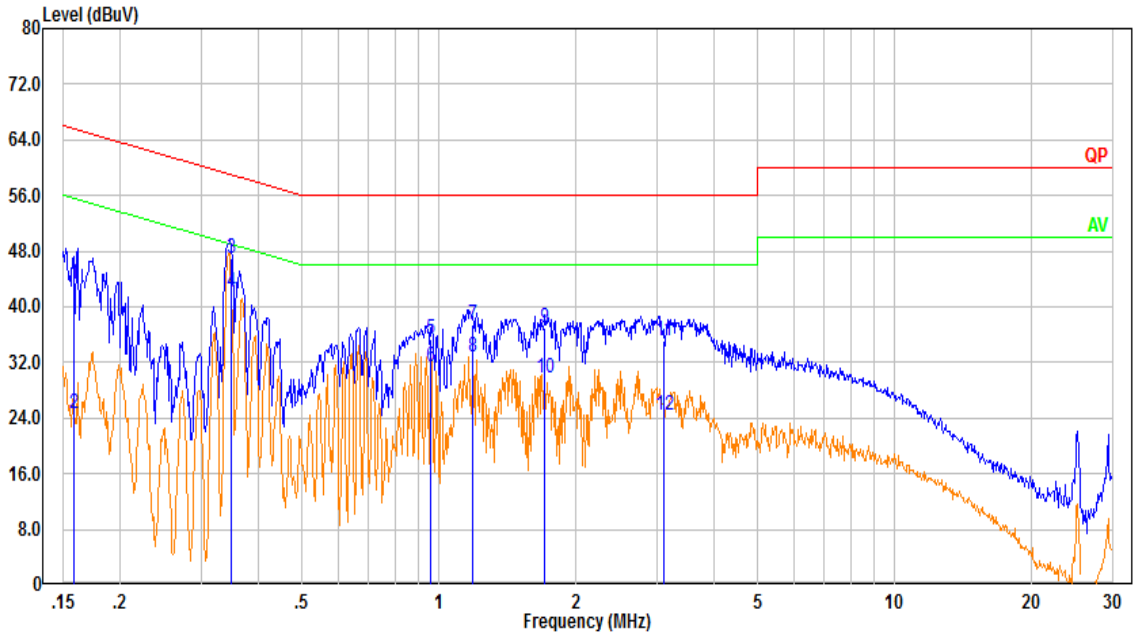
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.151	35.23	9.61	44.84	65.93	21.09	QP
2	0.151	19.01	9.61	28.62	55.93	27.31	Average
3	0.198	30.39	9.61	40.00	63.71	23.71	QP
4	0.198	12.33	9.61	21.94	53.71	31.77	Average
5	0.315	32.85	9.61	42.46	59.83	17.37	QP
6	0.315	29.45	9.61	39.06	49.83	10.77	Average
7	1.157	20.49	9.62	30.11	56.00	25.89	QP
8	1.157	14.08	9.62	23.70	46.00	22.30	Average
9	4.572	24.13	9.66	33.78	56.00	22.22	QP
10	4.572	13.69	9.66	23.35	46.00	22.65	Average
11	8.600	25.71	9.67	35.38	60.00	24.62	QP
12	8.600	18.32	9.67	27.99	50.00	22.01	Average

Neutral:



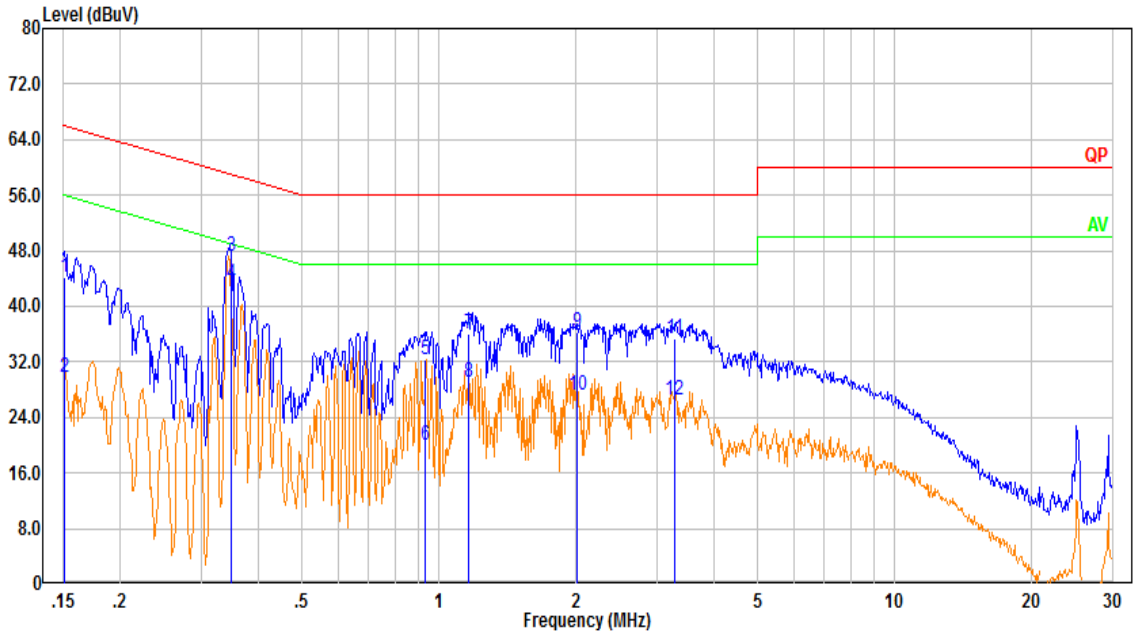
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.157	38.22	9.61	47.83	65.62	17.79	QP
2	0.157	20.02	9.61	29.63	55.62	25.99	Average
3	0.194	29.16	9.61	38.77	63.87	25.10	QP
4	0.194	7.60	9.61	17.21	53.87	36.66	Average
5	0.310	26.13	9.61	35.74	59.96	24.22	QP
6	0.310	17.97	9.61	27.58	49.96	22.38	Average
7	1.125	23.26	9.62	32.88	56.00	23.12	QP
8	1.125	17.41	9.62	27.03	46.00	18.97	Average
9	4.865	24.51	9.66	34.17	56.00	21.83	QP
10	4.865	15.82	9.66	25.48	46.00	20.52	Average
11	8.584	25.12	9.67	34.79	60.00	25.21	QP
12	8.584	17.53	9.67	27.20	50.00	22.80	Average

Adapter 2#
Test mode 5(worst):
Line:



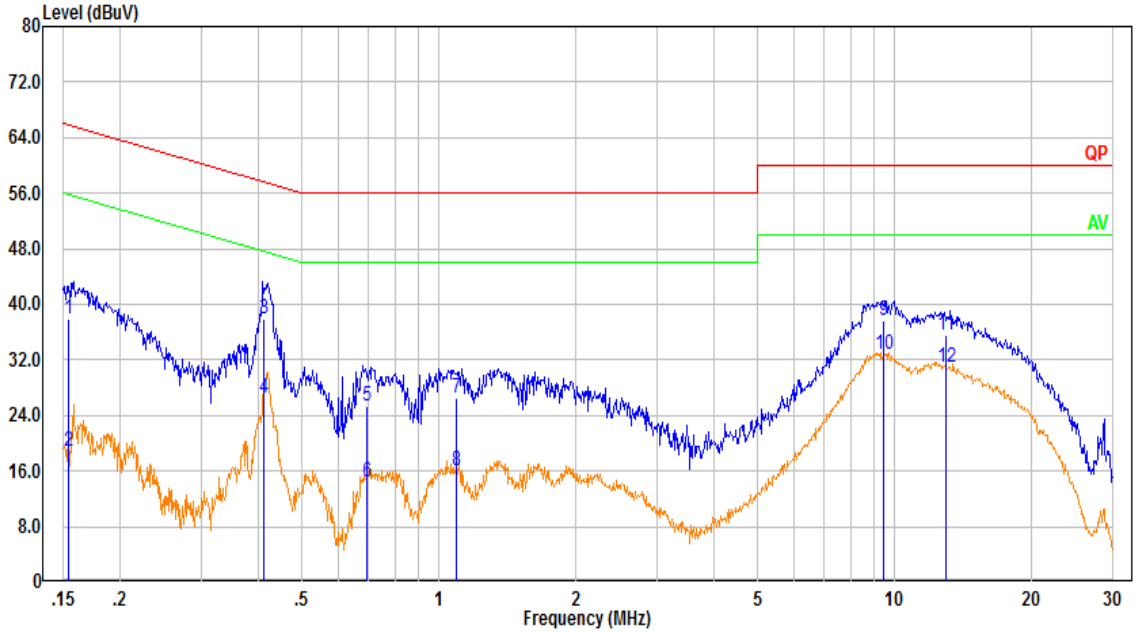
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.158	33.71	9.61	43.32	65.56	22.24	QP
2	0.158	15.02	9.61	24.63	55.56	30.93	Average
3	0.350	37.35	9.61	46.96	58.96	12.00	QP
4	0.350	32.42	9.61	42.03	48.96	6.93	Average
5	0.961	25.69	9.62	35.31	56.00	20.69	QP
6	0.961	21.73	9.62	31.35	46.00	14.65	Average
7	1.187	27.93	9.62	37.55	56.00	18.45	QP
8	1.187	23.27	9.62	32.89	46.00	13.11	Average
9	1.709	27.27	9.63	36.89	56.00	19.11	QP
10	1.709	20.13	9.63	29.76	46.00	16.24	Average
11	3.107	25.47	9.65	35.12	56.00	20.88	QP
12	3.107	14.75	9.65	24.40	46.00	21.60	Average

Neutral:



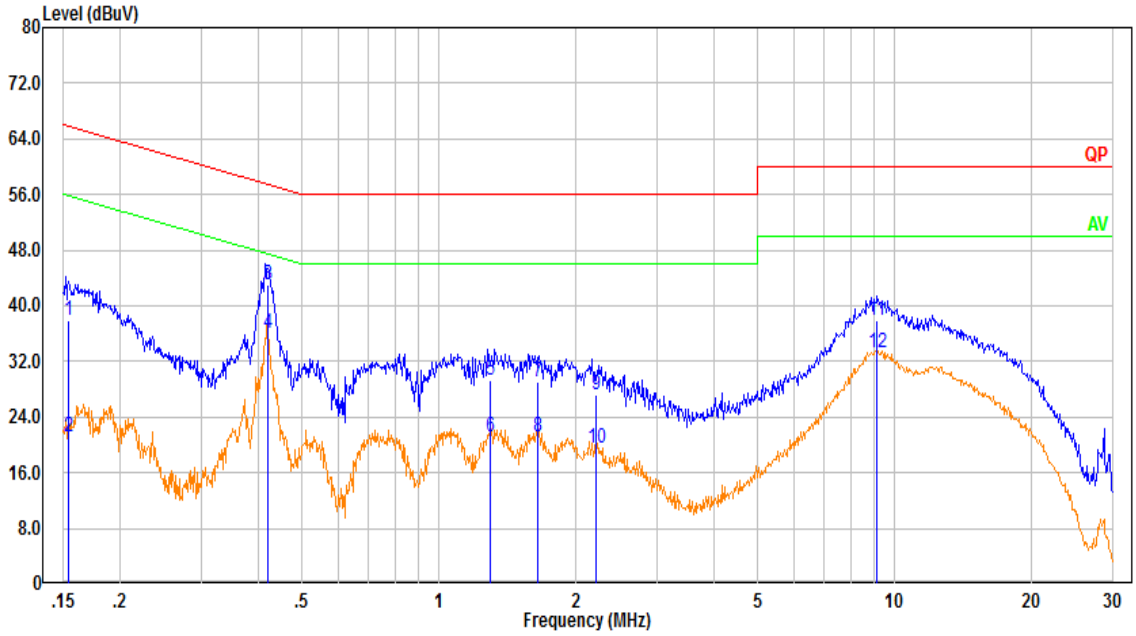
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.151	34.47	9.61	44.08	65.95	21.87	QP
2	0.151	20.07	9.61	29.68	55.95	26.27	Average
3	0.349	37.60	9.61	47.21	58.98	11.77	QP
4	0.349	33.72	9.61	43.33	48.98	5.65	Average
5	0.930	22.66	9.62	32.28	56.00	23.72	QP
6	0.930	10.45	9.62	20.07	46.00	25.93	Average
7	1.157	26.35	9.62	35.97	56.00	20.03	QP
8	1.157	19.45	9.62	29.07	46.00	16.93	Average
9	2.008	26.60	9.63	36.23	56.00	19.77	QP
10	2.008	17.55	9.63	27.18	46.00	18.82	Average
11	3.280	25.69	9.65	35.34	56.00	20.66	QP
12	3.280	16.81	9.65	26.46	46.00	19.54	Average

Adapter 3#:
Test mode 5(worst):
Line:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.154	28.32	9.61	37.93	65.80	27.87	QP
2	0.154	9.15	9.61	18.76	55.80	37.04	Average
3	0.411	28.19	9.61	37.80	57.62	19.82	QP
4	0.411	16.87	9.61	26.48	47.62	21.14	Average
5	0.695	15.83	9.62	25.45	56.00	30.55	QP
6	0.695	4.86	9.62	14.48	46.00	31.52	Average
7	1.094	16.99	9.62	26.61	56.00	29.39	QP
8	1.094	6.36	9.62	15.98	46.00	30.02	Average
9	9.464	27.92	9.67	37.59	60.00	22.41	QP
10	9.464	23.03	9.67	32.70	50.00	17.30	Average
11	12.955	26.00	9.68	35.67	60.00	24.33	QP
12	12.955	21.31	9.68	30.99	50.00	19.01	Average

Neutral:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.154	28.32	9.61	37.93	65.78	27.85	QP
2	0.154	11.57	9.61	21.18	55.78	34.60	Average
3	0.421	33.41	9.61	43.02	57.44	14.42	QP
4	0.421	26.39	9.61	36.00	47.44	11.44	Average
5	1.295	19.67	9.62	29.30	56.00	26.70	QP
6	1.295	11.63	9.62	21.25	46.00	24.75	Average
7	1.643	19.55	9.63	29.18	56.00	26.82	QP
8	1.643	11.64	9.63	21.27	46.00	24.73	Average
9	2.211	17.46	9.63	27.10	56.00	28.90	QP
10	2.211	9.82	9.63	19.45	46.00	26.55	Average
11	9.124	28.25	9.67	37.92	60.00	22.08	QP
12	9.124	23.54	9.67	33.21	50.00	16.79	Average

4.2 Radiation Spurious Emissions

Serial Number:	CR22060017-RF-S1/3	Test Date:	2022-07-05~2022-07-09
Test Site:	966-1, 966-2	Test Mode:	operating
Tester:	Gary Ling, Mack Huang	Test Result:	Pass

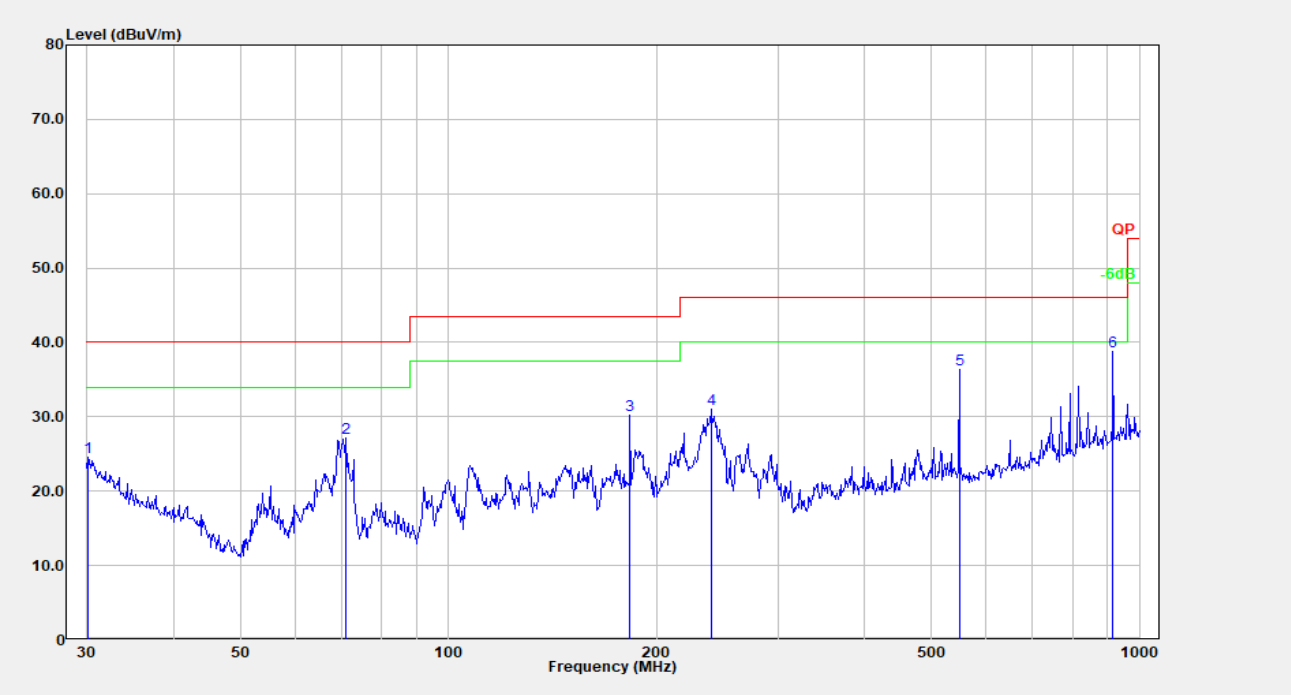
Environmental Conditions:					
Temperature: (℃)	25.0~27.8	Relative Humidity: (%)	52~61	ATM Pressure: (kPa)	99.5~100.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2020-10-19	2023-10-18
R&S	EMI Test Receiver	ESR3	102724	2021-07-22	2022-07-21
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2021-07-18	2022-07-17
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2021-07-18	2022-07-17
Sonoma	Amplifier	310N	186165	2021-07-18	2022-07-17
Audix	Test Software	E3	201021 (V9)	N/A	N/A
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020-10-13	2023-10-12
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2021-02-05	2024-02-04
PASTERNACK	Horn Antenna	PE9850/2F-20	072001	2021-02-05	2024-02-04
R&S	Spectrum Analyzer	FSV40	101591	2021-07-22	2022-07-21
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2021-08-08	2022-08-07
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2021-08-08	2022-08-07
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2021-08-08	2022-08-07
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2021-11-10	2022-11-09
AH	Preamplifier	PAM-1840VH	190	2021-11-19	2022-11-18

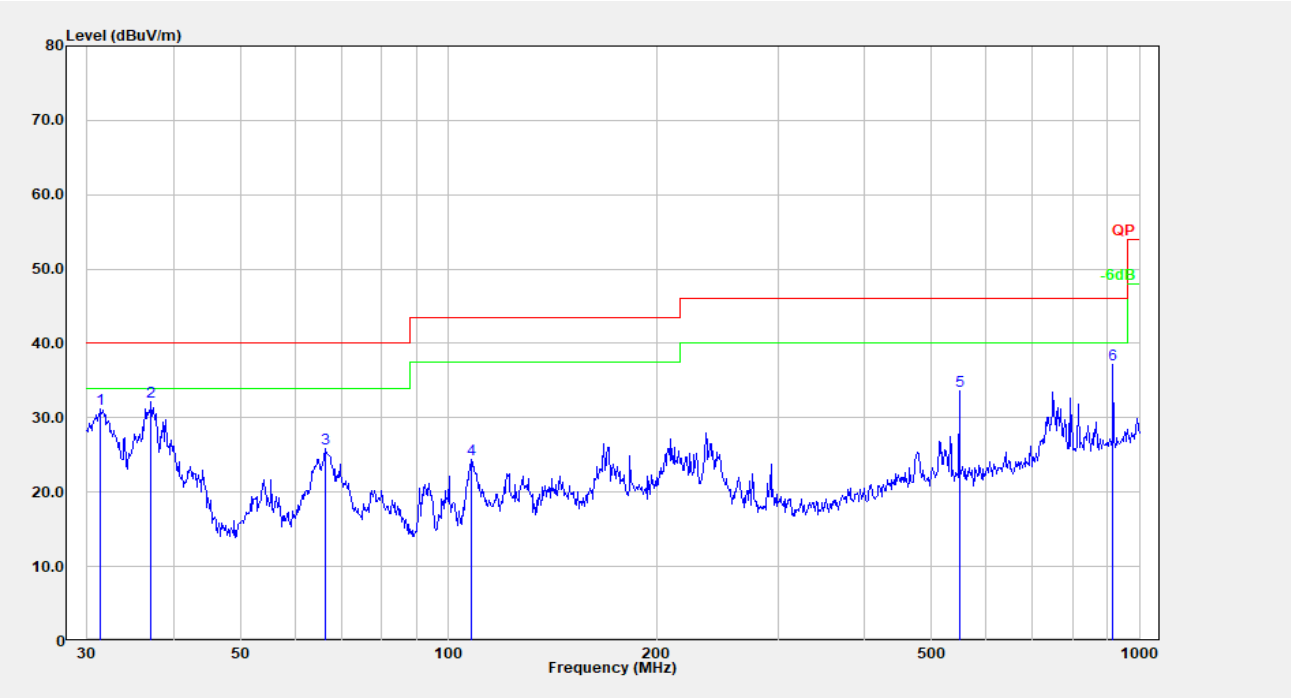
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

1) 30MHz-1GHz:
Adapter 1#:
M1:
Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.105	28.41	-3.87	24.54	40.00	15.46	Peak
2	71.080	43.91	-16.84	27.07	40.00	12.93	Peak
3	183.201	44.03	-13.74	30.28	43.50	13.22	Peak
4	239.987	44.22	-13.17	31.05	46.00	14.95	Peak
5	549.020	42.38	-6.02	36.36	46.00	9.64	Peak
6	916.069	39.77	-0.93	38.84	46.00	7.16	Peak

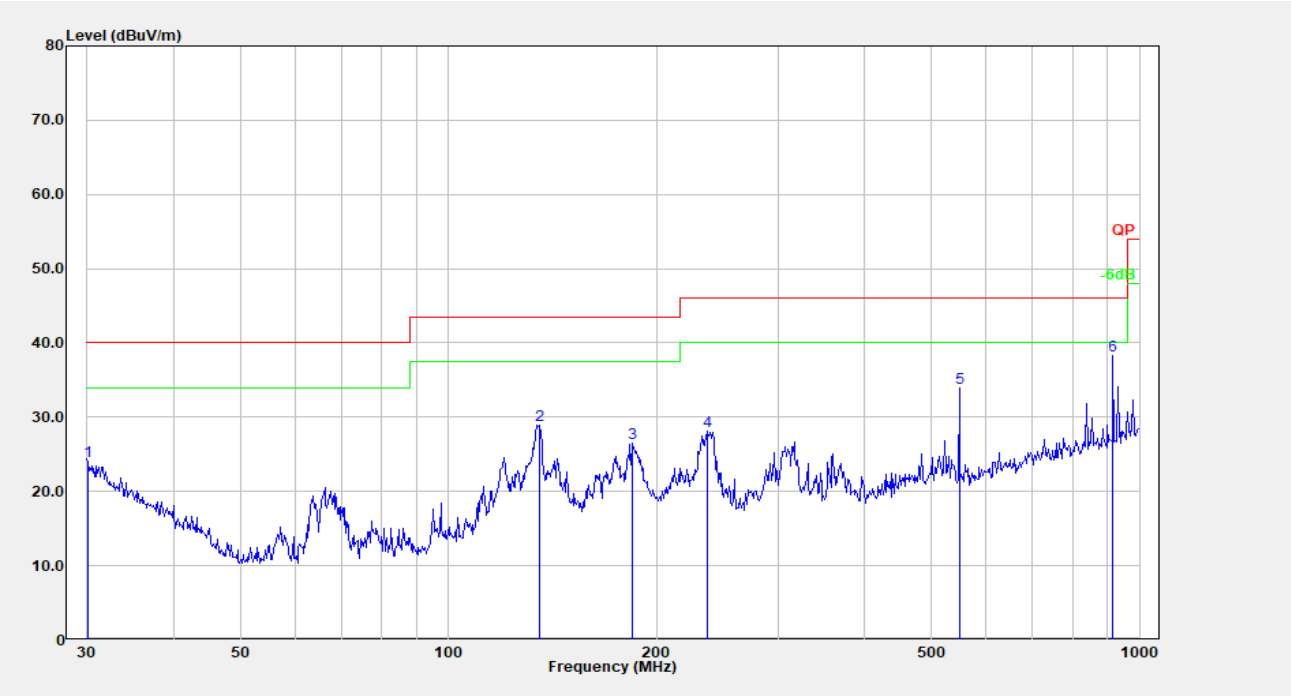
Vertical:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.399	36.06	-4.86	31.20	40.00	8.80	Peak
2	37.155	41.42	-9.30	32.12	40.00	7.88	Peak
3	66.266	42.99	-17.07	25.92	40.00	14.08	Peak
4	107.888	37.36	-12.99	24.37	43.50	19.13	Peak
5	549.020	39.56	-6.02	33.54	46.00	12.46	Peak
6	916.069	38.04	-0.93	37.10	46.00	8.90	Peak

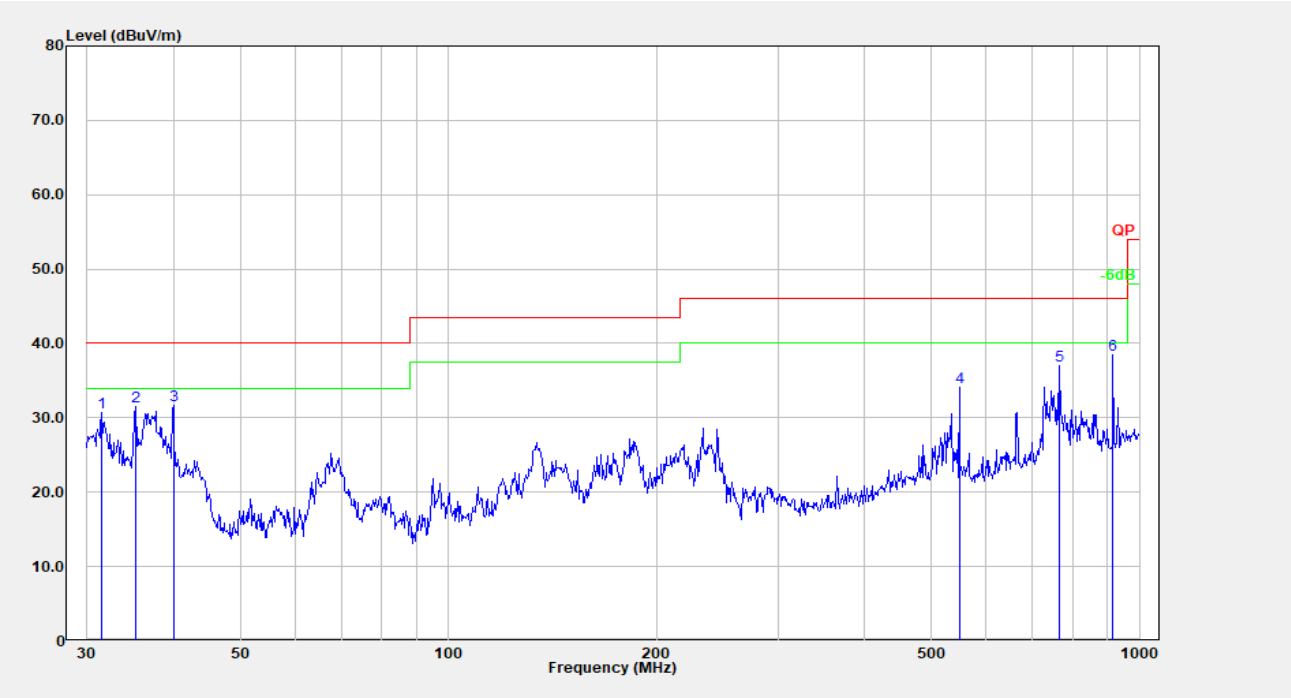
M2:

Horizontal:



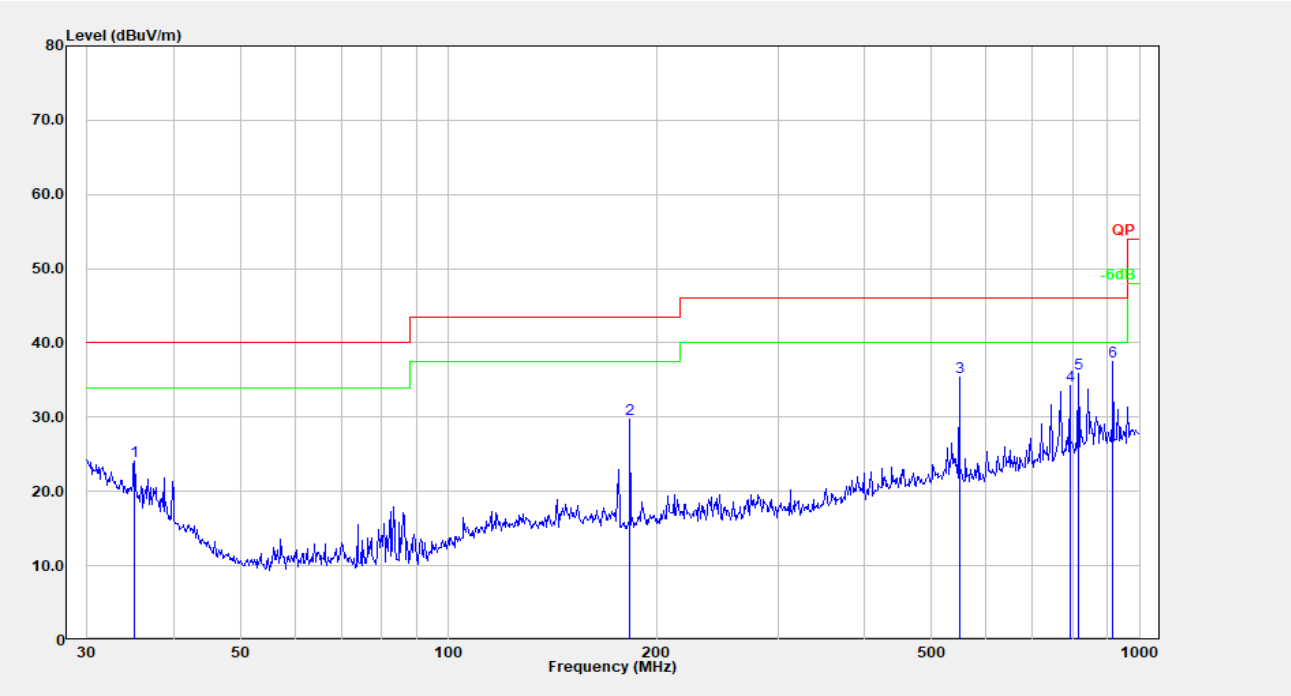
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.105	27.89	-3.87	24.02	40.00	15.98	Peak
2	135.506	40.86	-11.88	28.98	43.50	14.52	Peak
3	184.490	40.24	-13.72	26.52	43.50	16.98	Peak
4	237.476	41.29	-13.21	28.08	46.00	17.92	Peak
5	549.020	39.97	-6.02	33.95	46.00	12.05	Peak
6	916.069	39.26	-0.93	38.32	46.00	7.68	Peak

Vertical:



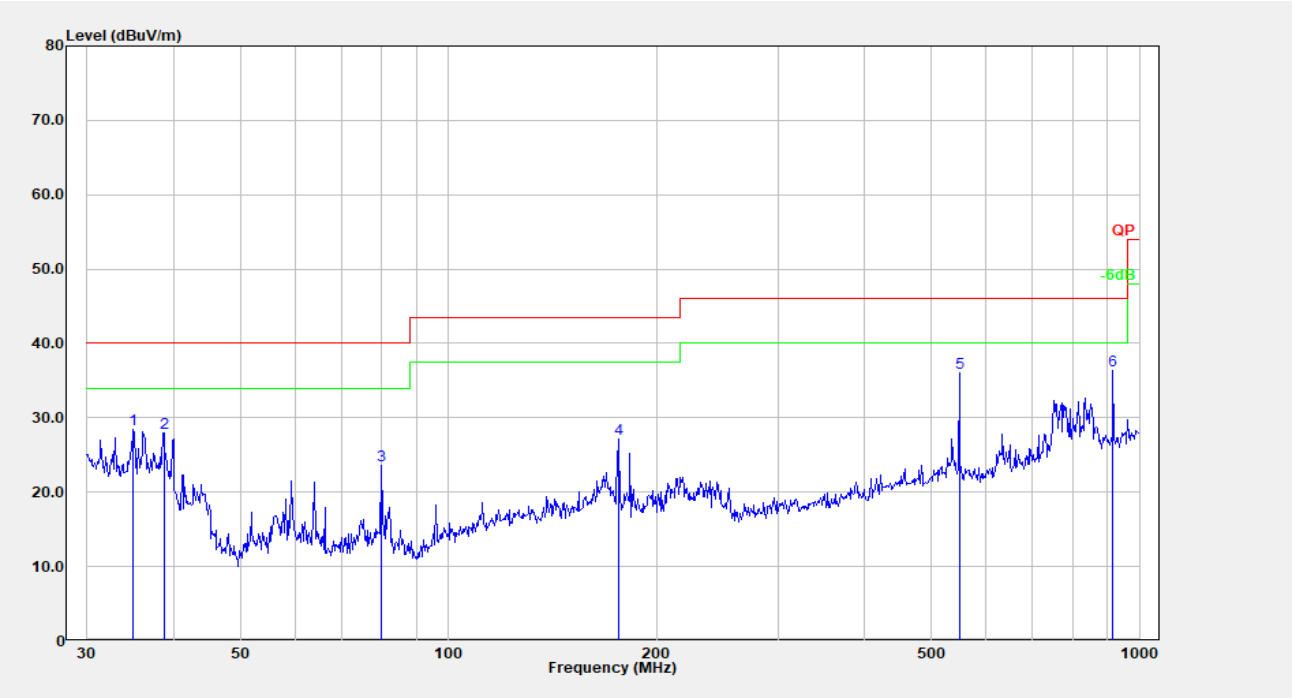
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.510	35.68	-4.95	30.74	40.00	9.26	Peak
2	35.251	39.45	-7.86	31.59	40.00	8.41	Peak
3	39.994	43.26	-11.52	31.74	40.00	8.26	Peak
4	549.020	40.11	-6.02	34.09	46.00	11.91	Peak
5	766.057	39.99	-2.94	37.06	46.00	8.94	Peak
6	916.069	39.39	-0.93	38.45	46.00	7.55	Peak

M3(8V):
Horizontal:



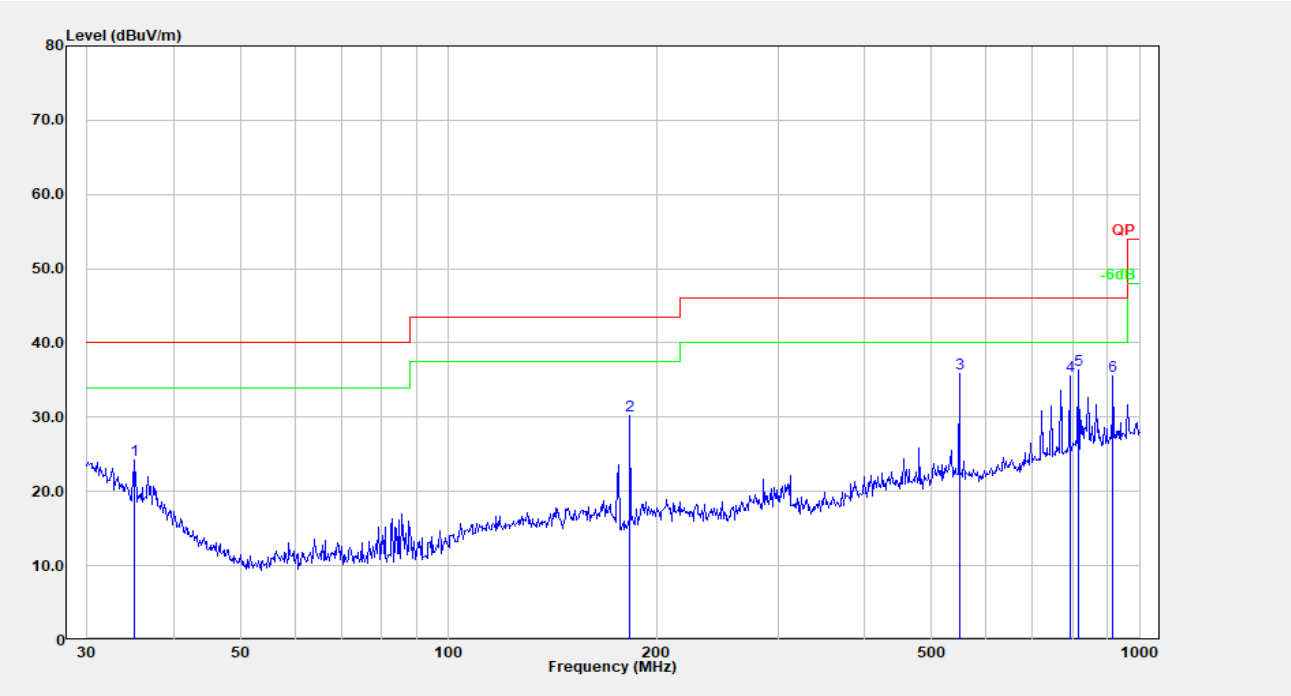
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	35.128	31.88	-7.77	24.11	40.00	15.89	Peak
2	183.201	43.45	-13.74	29.70	43.50	13.80	Peak
3	549.020	41.42	-6.02	35.40	46.00	10.60	Peak
4	793.396	36.76	-2.51	34.25	46.00	11.75	Peak
5	815.968	37.97	-2.06	35.91	46.00	10.09	Peak
6	916.069	38.36	-0.93	37.42	46.00	8.58	Peak

Vertical:



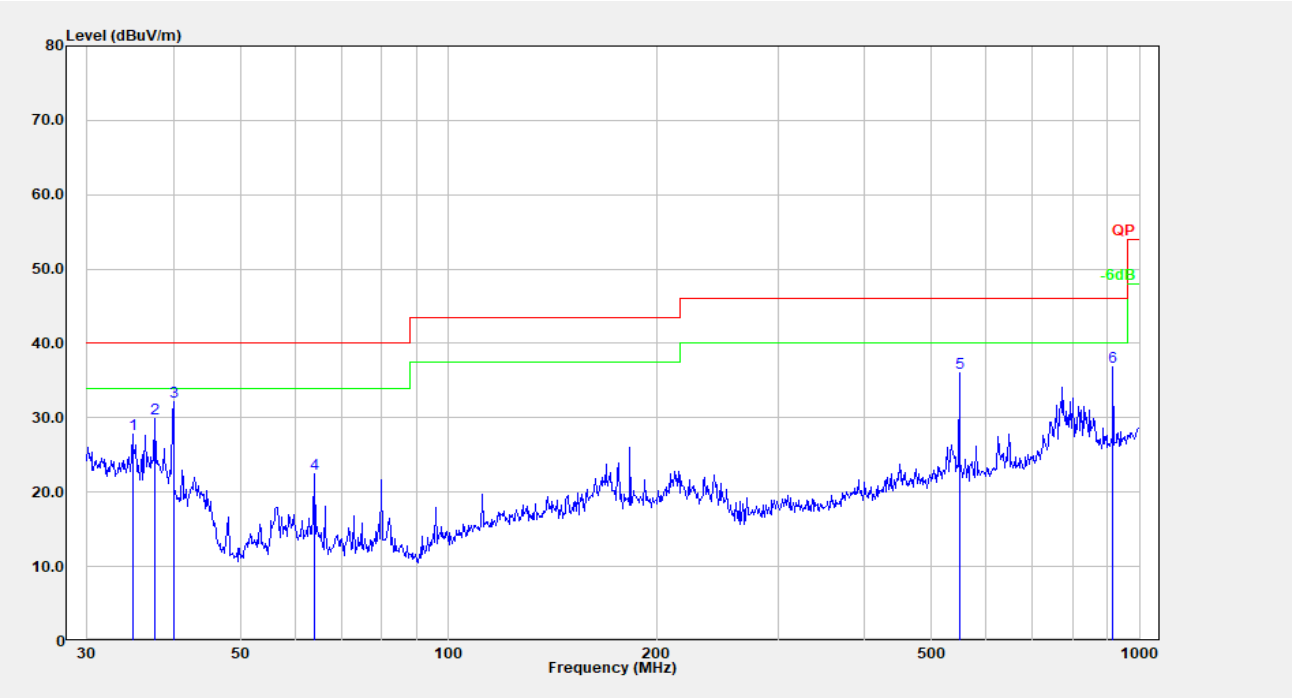
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	35.005	36.08	-7.67	28.40	40.00	11.60	Peak
2	38.752	38.46	-10.52	27.94	40.00	12.06	Peak
3	80.081	41.25	-17.70	23.55	40.00	16.45	Peak
4	176.269	40.68	-13.53	27.14	43.50	16.36	Peak
5	549.020	42.00	-6.02	35.98	46.00	10.02	Peak
6	916.069	37.33	-0.93	36.40	46.00	9.60	Peak

M3(14V):
Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	35.128	32.09	-7.77	24.32	40.00	15.68	Peak
2	183.201	43.97	-13.74	30.22	43.50	13.28	Peak
3	549.020	41.97	-6.02	35.95	46.00	10.05	Peak
4	793.396	38.03	-2.51	35.52	46.00	10.48	Peak
5	815.968	38.35	-2.06	36.29	46.00	9.71	Peak
6	916.069	36.51	-0.93	35.58	46.00	10.42	Peak

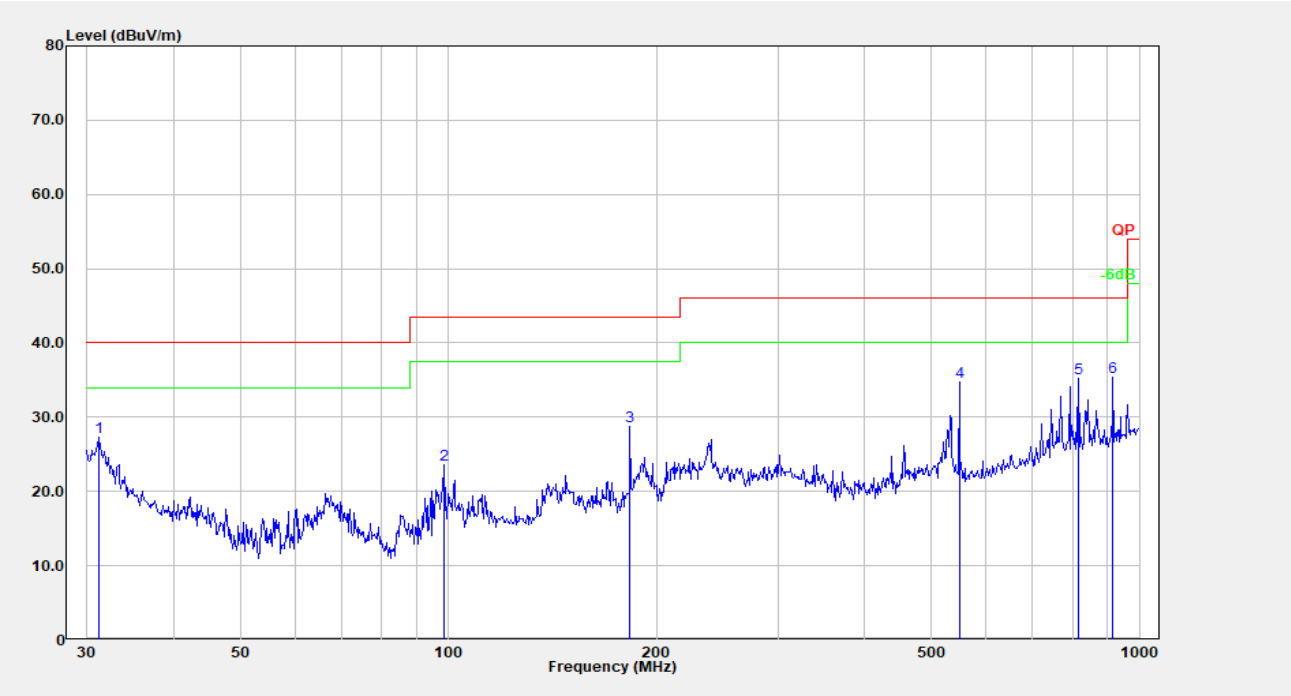
Vertical:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	34.882	35.34	-7.57	27.77	40.00	12.23	Peak
2	37.548	39.44	-9.58	29.85	40.00	10.15	Peak
3	39.994	43.60	-11.52	32.08	40.00	7.92	Peak
4	63.983	39.74	-17.28	22.46	40.00	17.54	Peak
5	549.020	41.99	-6.02	35.97	46.00	10.03	Peak
6	916.069	37.71	-0.93	36.78	46.00	9.22	Peak

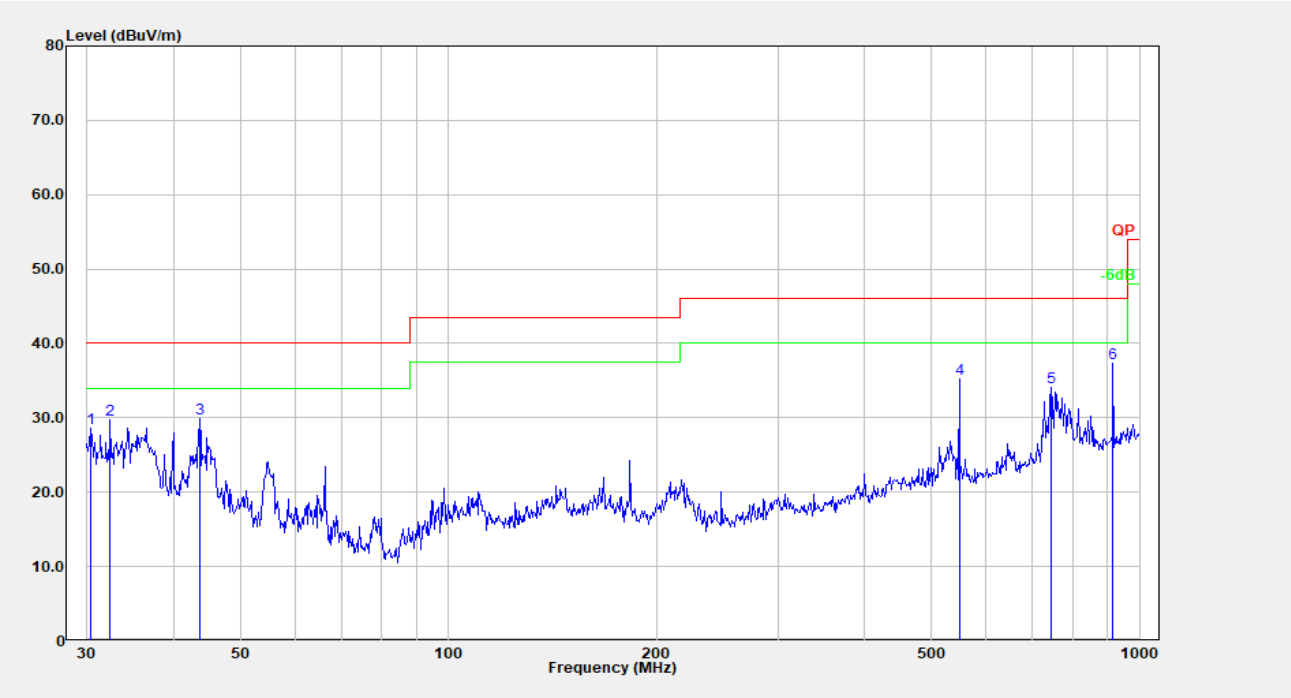
M4:

Horizontal:



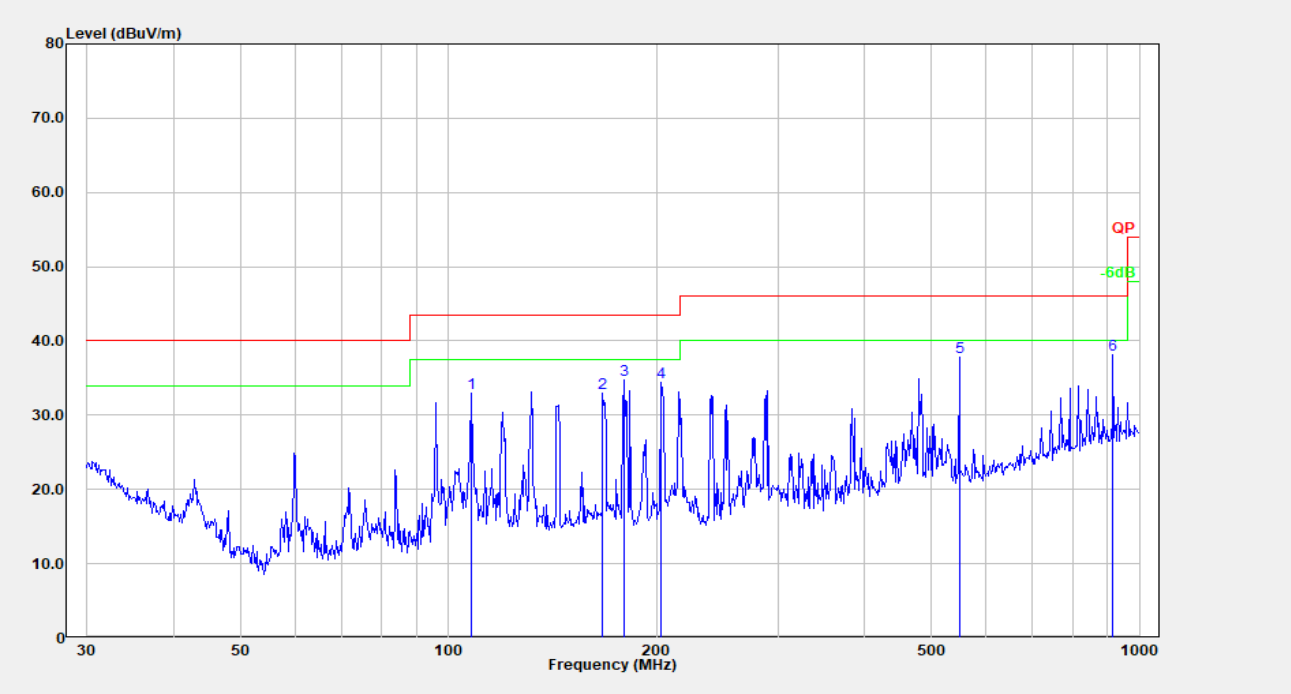
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.180	32.01	-4.70	27.32	40.00	12.68	Peak
2	98.487	38.45	-14.93	23.52	43.50	19.98	Peak
3	183.201	42.50	-13.74	28.75	43.50	14.75	Peak
4	549.020	40.79	-6.02	34.77	46.00	11.23	Peak
5	815.968	37.28	-2.06	35.22	46.00	10.78	Peak
6	916.069	36.33	-0.93	35.40	46.00	10.60	Peak

Vertical:



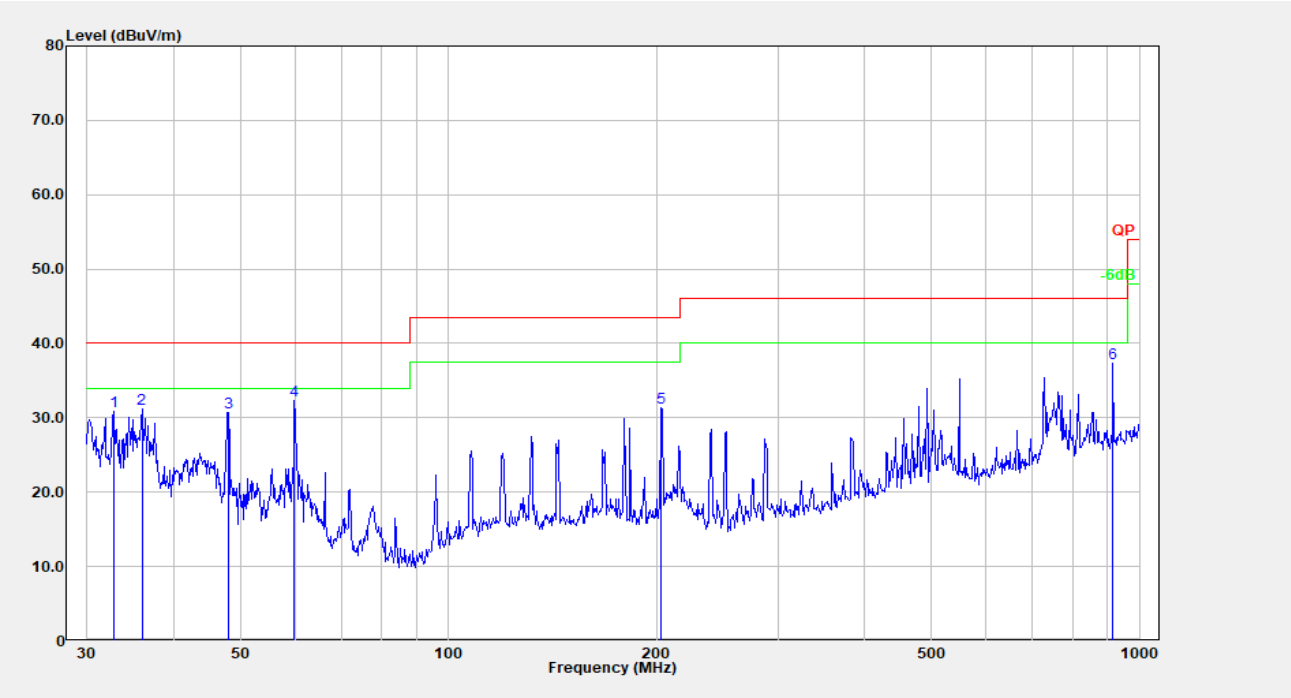
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.317	32.67	-4.03	28.64	40.00	11.36	Peak
2	32.406	35.38	-5.64	29.73	40.00	10.27	Peak
3	43.659	43.61	-13.70	29.91	40.00	10.09	Peak
4	549.020	41.19	-6.02	35.17	46.00	10.83	Peak
5	744.866	37.22	-3.11	34.11	46.00	11.89	Peak
6	916.069	38.30	-0.93	37.37	46.00	8.63	Peak

M5:
Horizontal:



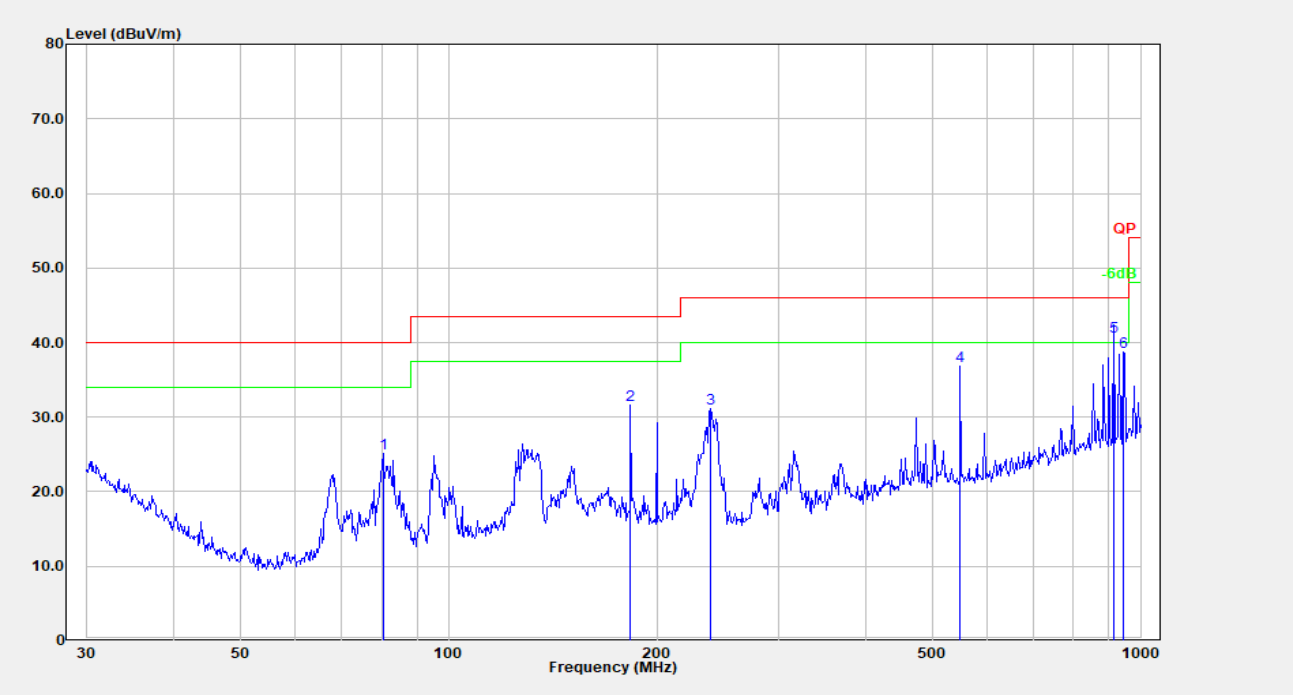
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	107.888	45.98	-12.99	32.99	43.50	10.51	Peak
2	167.237	45.93	-12.94	32.99	43.50	10.51	Peak
3	179.386	48.41	-13.74	34.67	43.50	8.83	Peak
4	203.523	46.93	-12.48	34.44	43.50	9.06	Peak
5	549.020	43.84	-6.02	37.81	46.00	8.19	Peak
6	916.069	39.15	-0.93	38.21	46.00	7.79	Peak

Vertical:



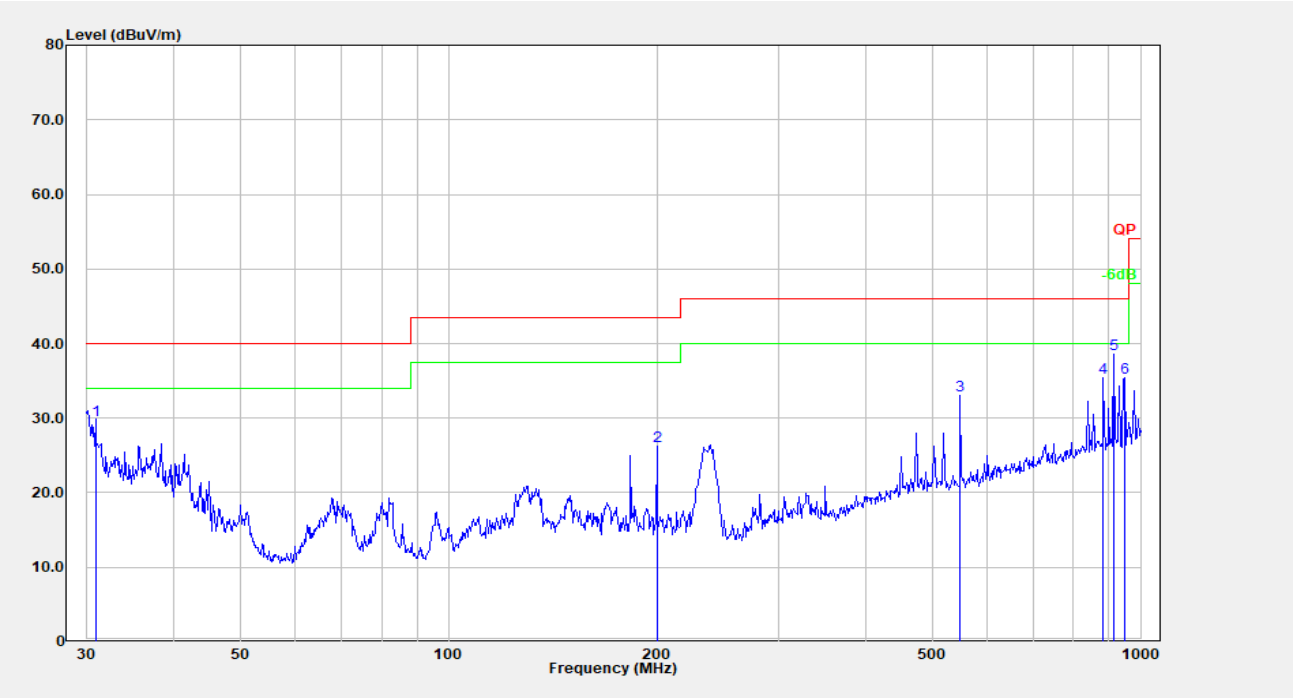
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.749	36.83	-5.92	30.91	40.00	9.09	Peak
2	36.001	39.56	-8.42	31.14	40.00	8.86	Peak
3	47.994	47.01	-16.24	30.77	40.00	9.23	Peak
4	59.859	50.01	-17.64	32.38	40.00	7.62	Peak
5	203.523	43.81	-12.48	31.33	43.50	12.17	Peak
6	916.069	38.29	-0.93	37.35	46.00	8.65	Peak

Adapter 2#:
M5(Worst):
Horizontal:



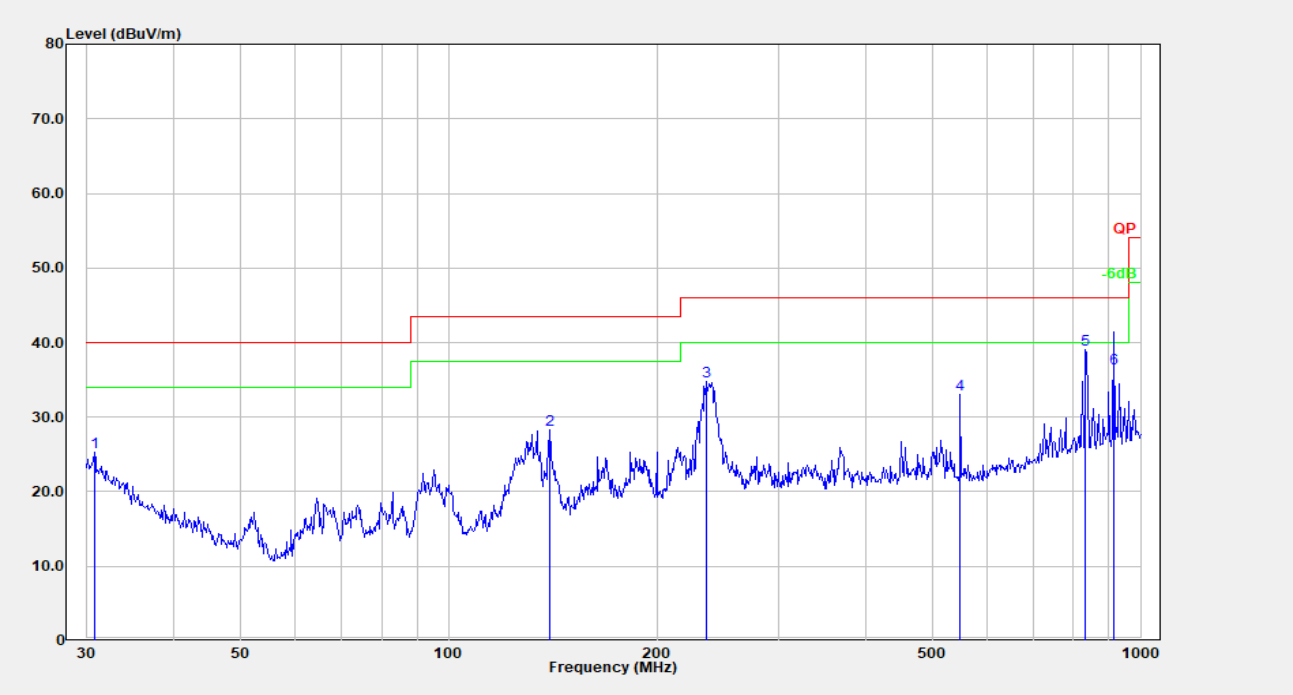
No.	Frequency	Reading	Factor	Result	Limit	Margin	Detector
	(MHz)	(dBµV)	(dB/m)	(dBµV/m)	(dBµV/m)	(dB)	
1	80.362	42.74	-17.68	25.06	40.00	14.94	Peak
2	183.201	45.34	-13.74	31.60	43.50	11.90	Peak
3	239.147	44.35	-13.18	31.17	46.00	14.83	Peak
4	549.020	42.91	-6.02	36.89	46.00	9.11	Peak
5	914.970	41.71	-0.92	40.79	46.00	5.21	QP
6	945.440	39.14	-0.47	38.67	46.00	7.33	Peak

Vertical:



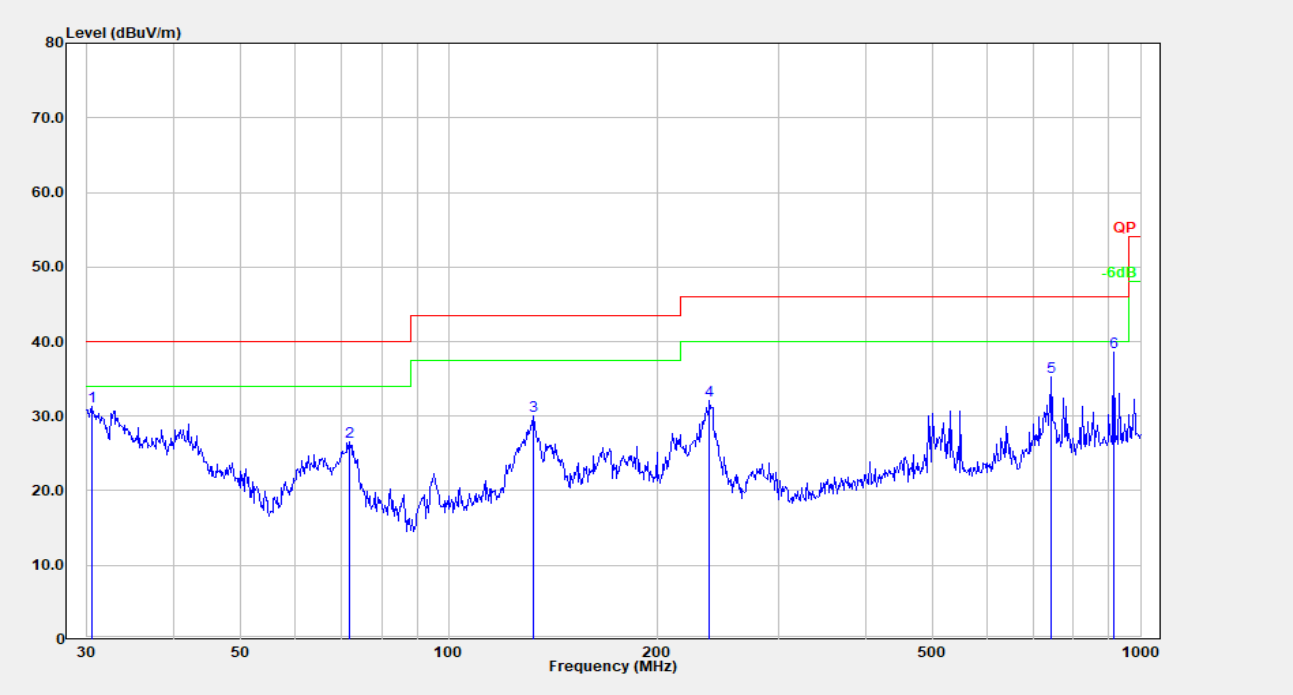
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.853	34.25	-4.45	29.80	40.00	10.20	Peak
2	199.986	38.69	-12.37	26.32	43.50	17.18	Peak
3	549.020	39.10	-6.02	33.08	46.00	12.92	Peak
4	884.503	36.89	-1.41	35.48	46.00	10.52	Peak
5	916.069	39.43	-0.93	38.50	46.00	7.50	Peak
6	948.761	35.76	-0.42	35.34	46.00	10.66	Peak

Adapter 3#:
Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.745	29.68	-4.36	25.32	40.00	14.68	Peak
2	139.851	40.41	-12.12	28.29	43.50	15.21	Peak
3	235.816	47.95	-13.24	34.71	46.00	11.29	Peak
4	549.020	39.05	-6.02	33.03	46.00	12.97	Peak
5	833.317	40.89	-1.90	38.99	46.00	7.01	Peak
6	914.970	37.52	-0.92	36.60	46.00	9.40	QP

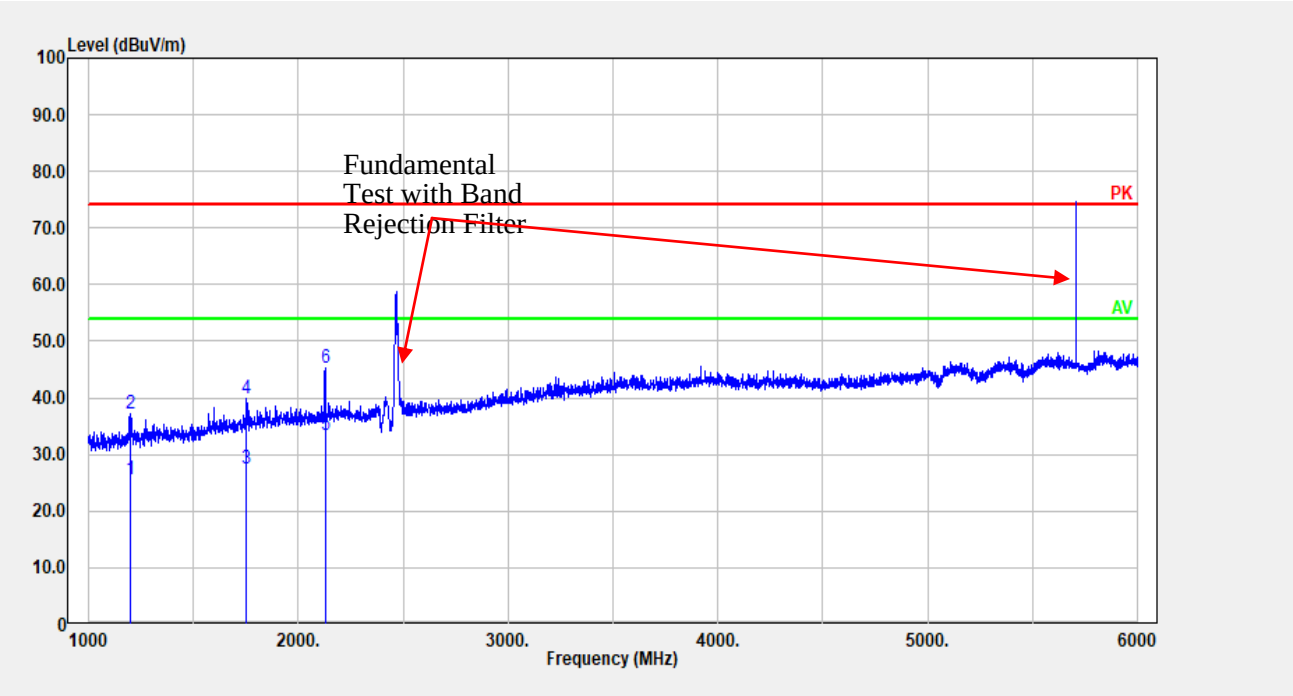
Vertical:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.531	35.53	-4.20	31.33	40.00	8.67	Peak
2	71.832	43.52	-16.91	26.61	40.00	13.39	Peak
3	132.685	41.82	-11.73	30.09	43.50	13.41	Peak
4	238.310	45.23	-13.20	32.03	46.00	13.97	Peak
5	742.259	38.41	-3.14	35.27	46.00	10.73	Peak
6	916.069	39.58	-0.93	38.65	46.00	7.35	Peak

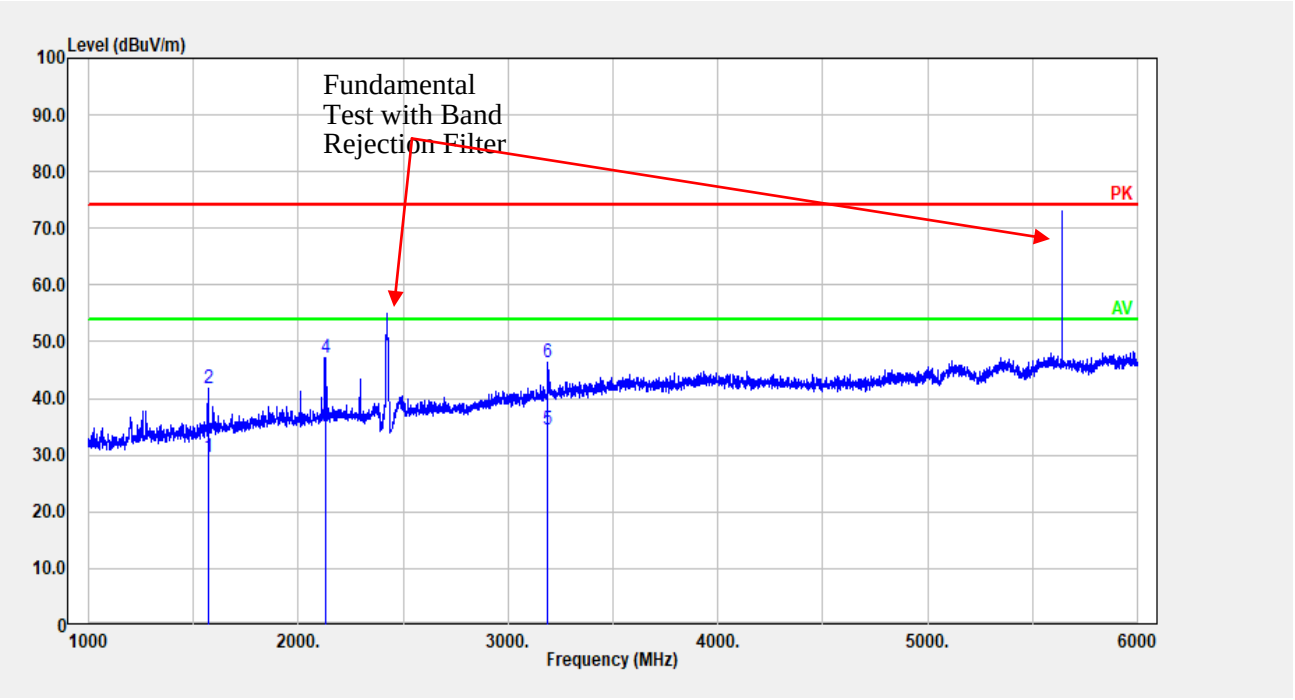
2) Above 1GHz(Adapter M1 was worst):

Horizontal:



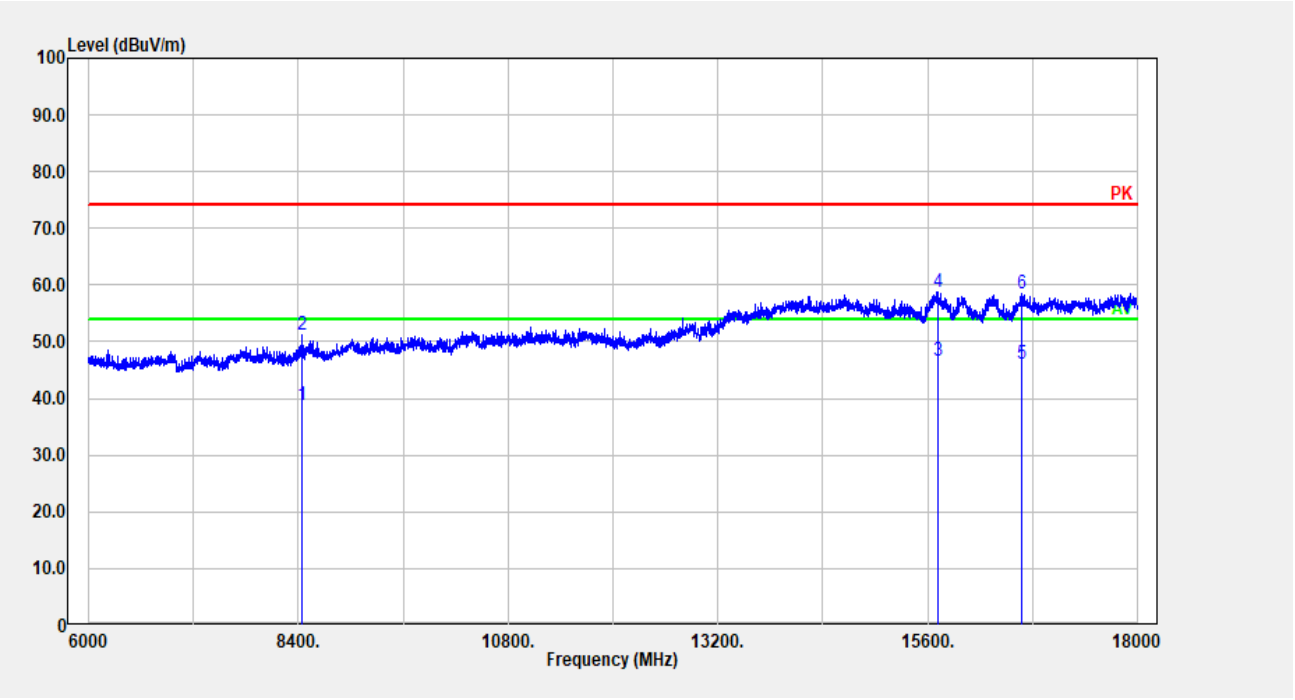
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1197.039	27.45	-1.96	25.49	54.00	28.51	Average
2	1197.039	39.25	-1.96	37.29	74.00	36.71	Peak
3	1750.150	26.36	1.10	27.46	54.00	26.54	Average
4	1750.150	38.81	1.10	39.91	74.00	34.09	Peak
5	2128.226	30.56	2.81	33.37	54.00	20.63	Average
6	2128.226	42.45	2.81	45.26	74.00	28.74	Peak

Vertical:



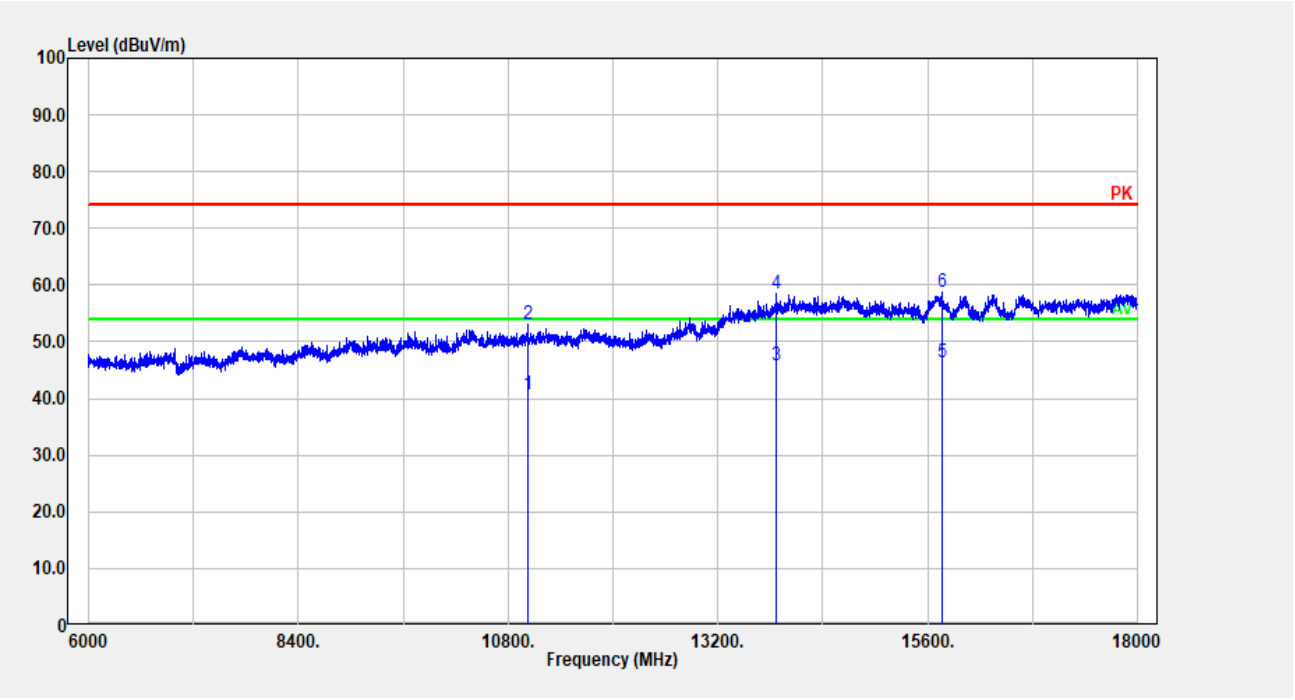
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1570.114	29.65	0.03	29.68	54.00	24.32	Average
2	1570.114	41.63	0.03	41.66	74.00	32.34	Peak
3	2127.225	32.35	2.80	35.15	54.00	18.85	Average
4	2127.225	44.48	2.80	47.28	74.00	26.72	Peak
5	3188.438	27.47	7.16	34.63	54.00	19.37	Average
6	3188.438	39.19	7.16	46.35	74.00	27.65	Peak

Horizontal:



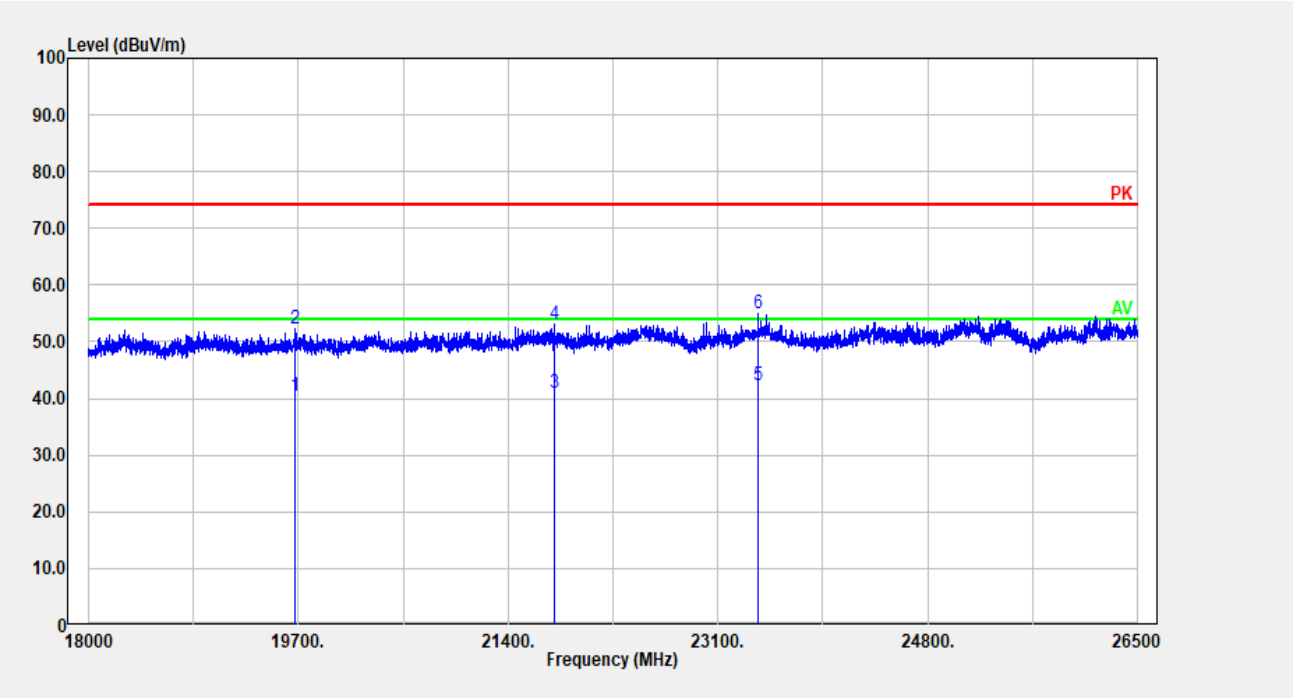
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	8446.089	22.41	16.33	38.74	54.00	15.26	Average
2	8446.089	34.85	16.33	51.18	74.00	22.82	Peak
3	15724.340	25.33	21.24	46.57	54.00	7.43	Average
4	15724.340	37.50	21.24	58.74	74.00	15.26	Peak
5	16672.540	23.31	22.74	46.05	54.00	7.95	Average
6	16672.540	35.65	22.74	58.39	74.00	15.61	Peak

Vertical:



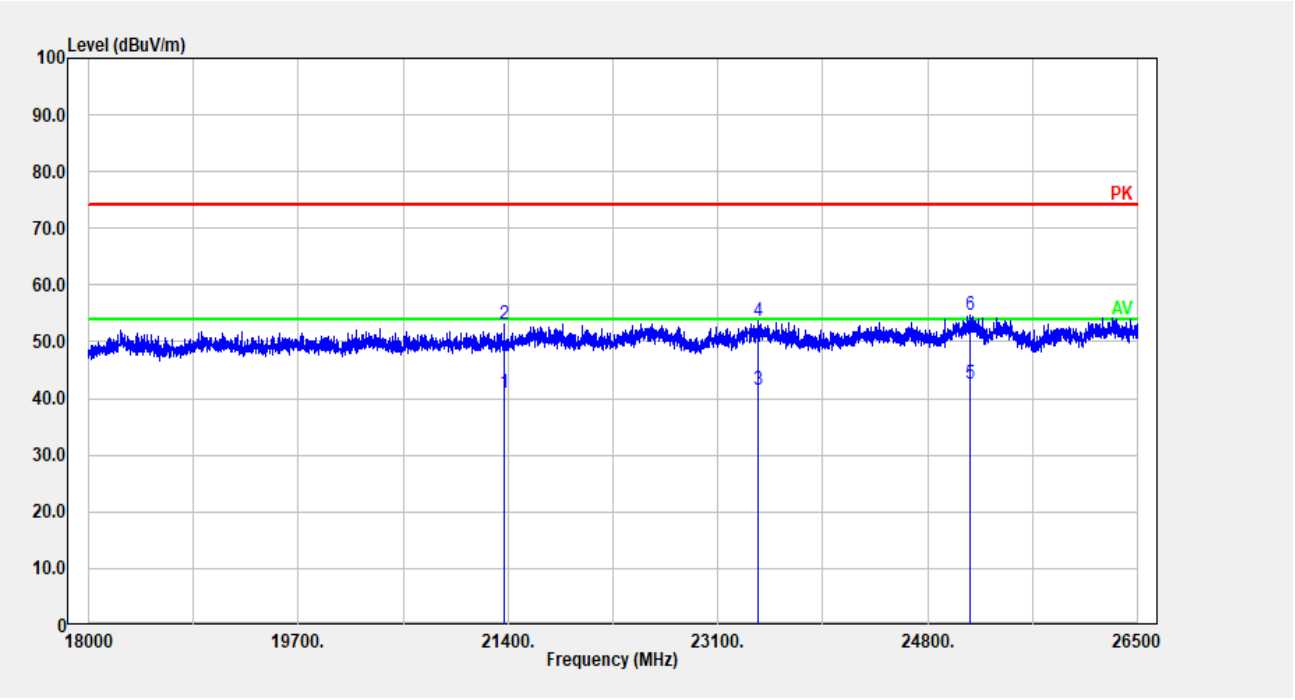
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	11029.010	21.47	19.33	40.80	54.00	13.20	Average
2	11029.010	33.74	19.33	53.07	74.00	20.93	Peak
3	13863.970	22.43	23.48	45.91	54.00	8.09	Average
4	13863.970	34.93	23.48	58.41	74.00	15.59	Peak
5	15762.750	25.24	21.25	46.49	54.00	7.51	Average
6	15762.750	37.49	21.25	58.74	74.00	15.26	Peak

Horizontal:



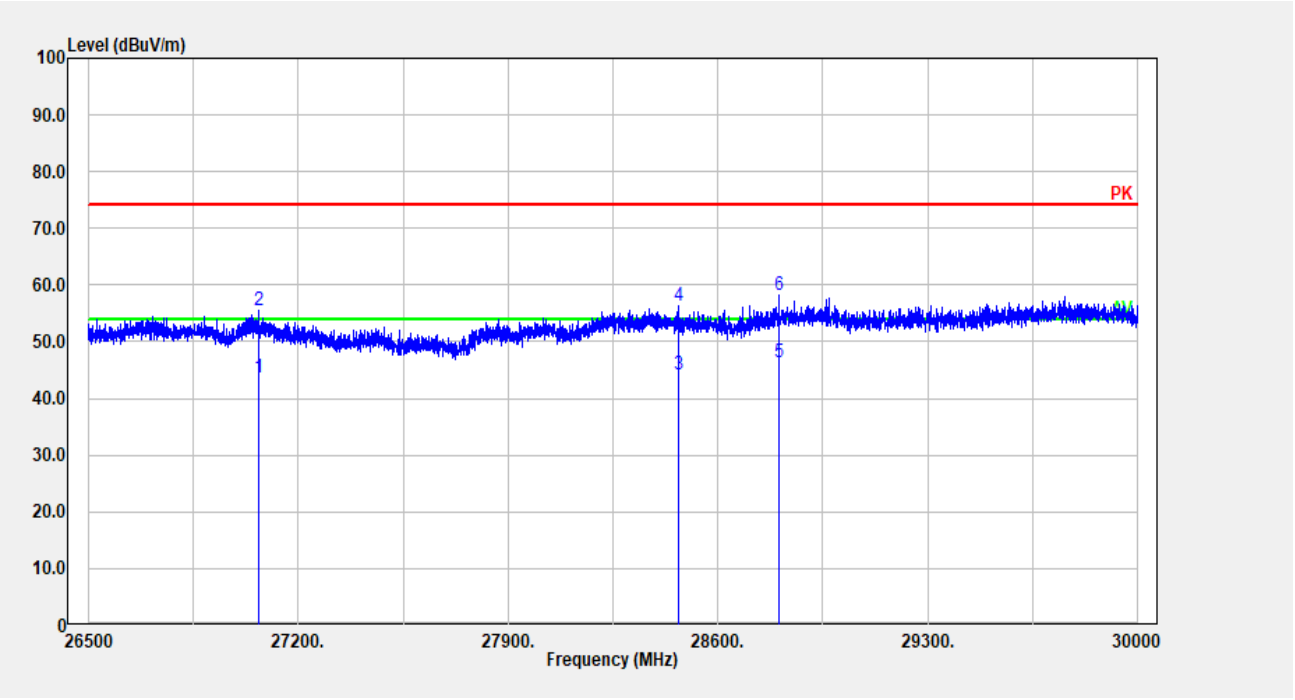
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	19669.730	34.58	5.73	40.31	54.00	13.69	Average
2	19669.730	46.56	5.73	52.29	74.00	21.71	Peak
3	21773.050	32.14	8.74	40.88	54.00	13.12	Average
4	21773.050	44.29	8.74	53.03	74.00	20.97	Peak
5	23422.380	31.27	11.17	42.44	54.00	11.56	Average
6	23422.380	43.74	11.17	54.91	74.00	19.09	Peak

Vertical:



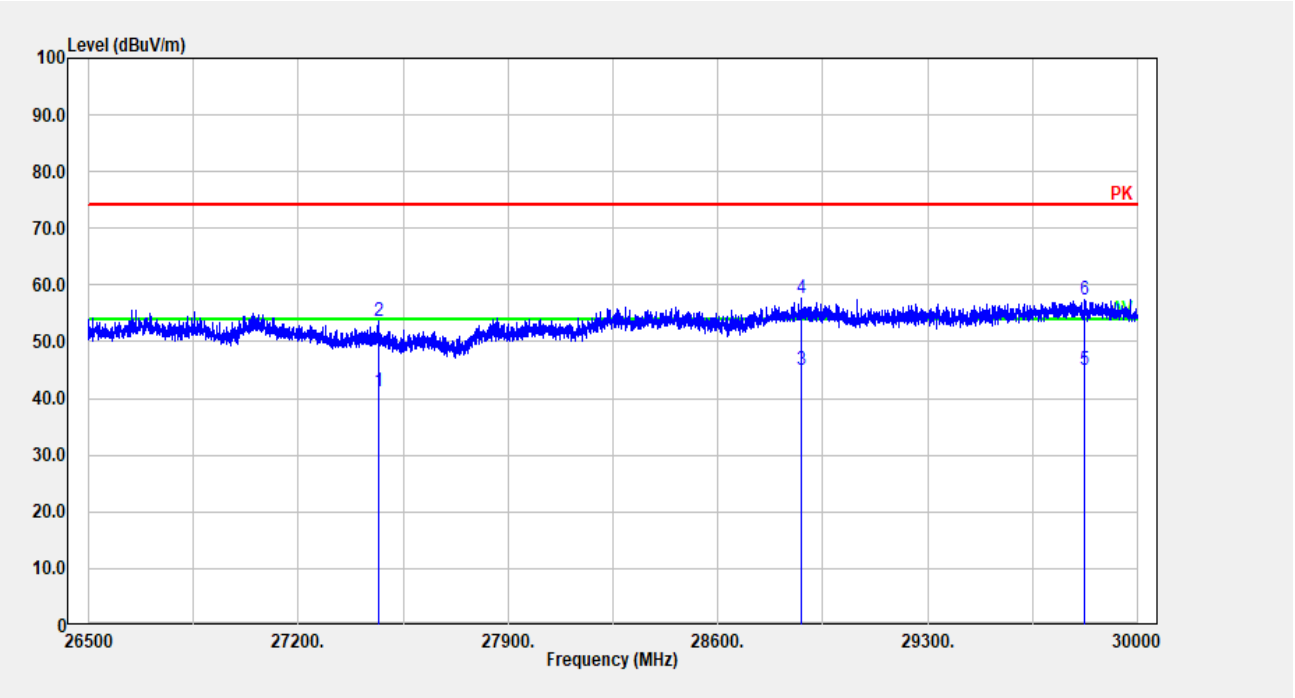
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	21364.970	32.45	8.39	40.84	54.00	13.16	Average
2	21364.970	44.77	8.39	53.16	74.00	20.84	Peak
3	23427.490	30.36	11.18	41.54	54.00	12.46	Average
4	23427.490	42.37	11.18	53.55	74.00	20.45	Peak
5	25141.430	29.48	13.04	42.52	54.00	11.48	Average
6	25141.430	41.68	13.04	54.72	74.00	19.28	Peak

Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	27065.710	29.56	14.11	43.67	54.00	10.33	Average
2	27065.710	41.36	14.11	55.47	74.00	18.53	Peak
3	28466.690	30.15	14.04	44.19	54.00	9.81	Average
4	28466.690	42.33	14.04	56.37	74.00	17.63	Peak
5	28804.160	31.26	15.00	46.26	54.00	7.74	Average
6	28804.160	43.09	15.00	58.09	74.00	15.91	Peak

Vertical:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	27469.690	27.34	13.91	41.25	54.00	12.75	Average
2	27469.690	39.68	13.91	53.59	74.00	20.41	Peak
3	28877.680	30.25	14.84	45.09	54.00	8.91	Average
4	28877.680	42.73	14.84	57.57	74.00	16.43	Peak
5	29823.560	30.30	14.77	45.07	54.00	8.93	Average
6	29823.560	42.60	14.77	57.37	74.00	16.63	Peak

===== END OF REPORT =====