



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



TEST REPORT

Applicant: Shanghai Sunmi Technology Co.,Ltd.

Address: Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

FCC ID: 2AH25T5810

Product Name: Smart POS system

Model Number: T5810

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

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: CR21100085-00F

Date Of Issue: 2022-03-24

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:	Smart POS system
EUT Model:	T5810
Highest Operation Frequency:	5825 MHz
Rated Input Voltage:	DC 5V from adapter and DC 3.8V from battery
Serial Number:	CR21100085-RF-S2(Type-1) CR21100085-RF-S1(Type-2)
EUT Received Date:	2021.11.15
EUT Received Status:	Good

Note:

The EUT model has two configurations that Type-1 is none code scanner and Type-2 is added code scanner.

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
USB Cable	Unknown	Unknown	Un-shield, 1 m
Adapter 1#	SHENZHEN TIANYIN ELECTRONICS Co.,Ltd	TPA-23A050200UU01	Input: 100-240V~50/60Hz 0.3A Output: 5V/2A
Adapter 2#	Jiangsu Chenyang Eletron Co.,Ltd	UC13US	Input: 100-240V~50/60Hz 0.35A Output: 5V/2A

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: Charging&Playing
Equipment Modifications:	No
EUT Exercise Software:	No

1.2.2 Support Equipment List and Details

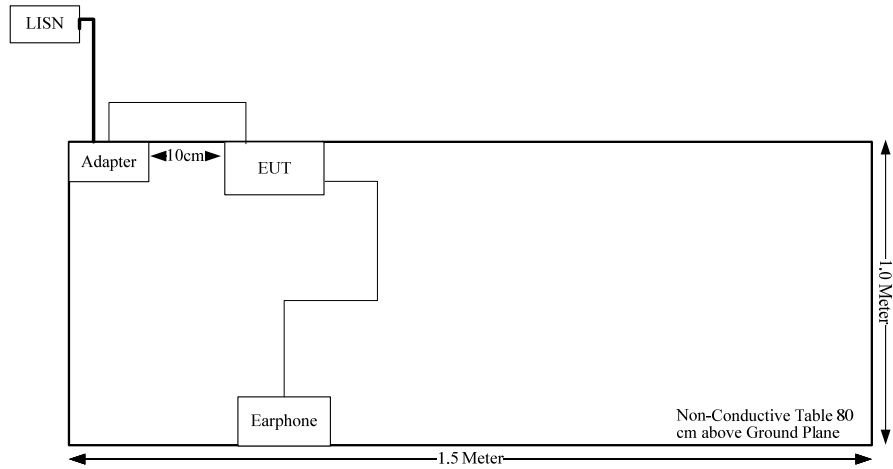
Manufacturer	Description	Model	Serial Number
Unknown	Earphone	Unknown	Earphone 02

1.2.3 Support Cable List and Details

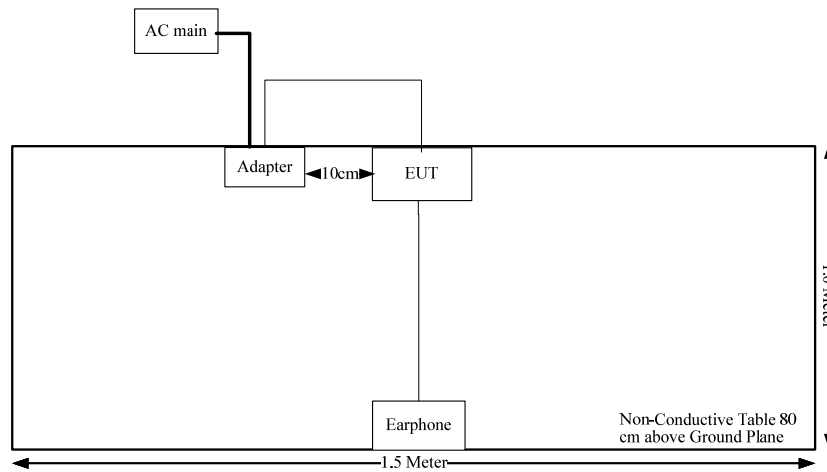
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
AC power cable	No	No	1	Adapter	LISN/AC Mains
USB cable	No	No	1	EUT	Adapter
Earphone Cable	No	No	1.2	EUT	Earphone

1.2.4 Block Diagram of Test Setup

Conducted emissions:



Radiated emissions:



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	$\pm 1^{\circ}\text{C}$
Humidity	$\pm 5\%$
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

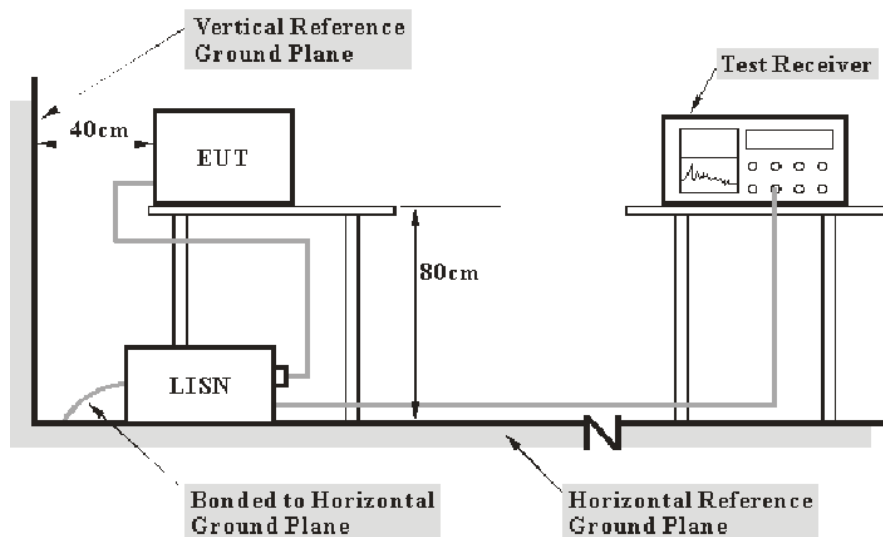
2. SUMMARY OF TEST RESULTS

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

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

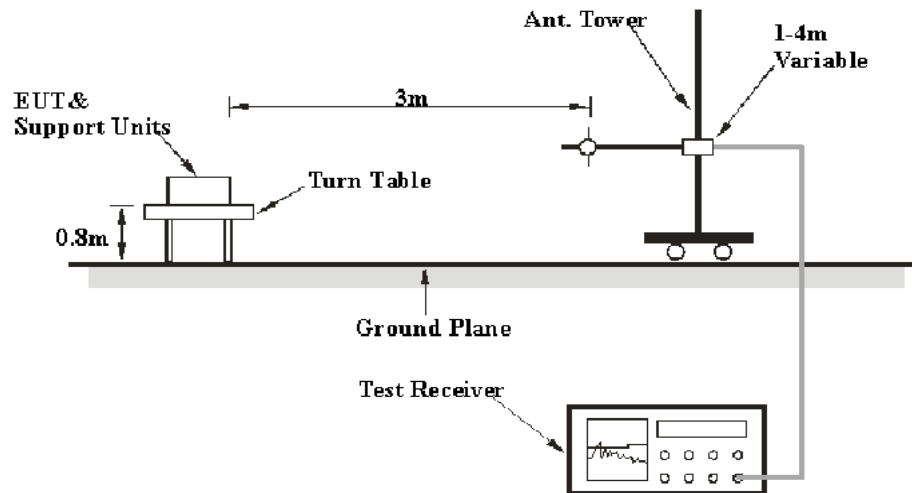
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

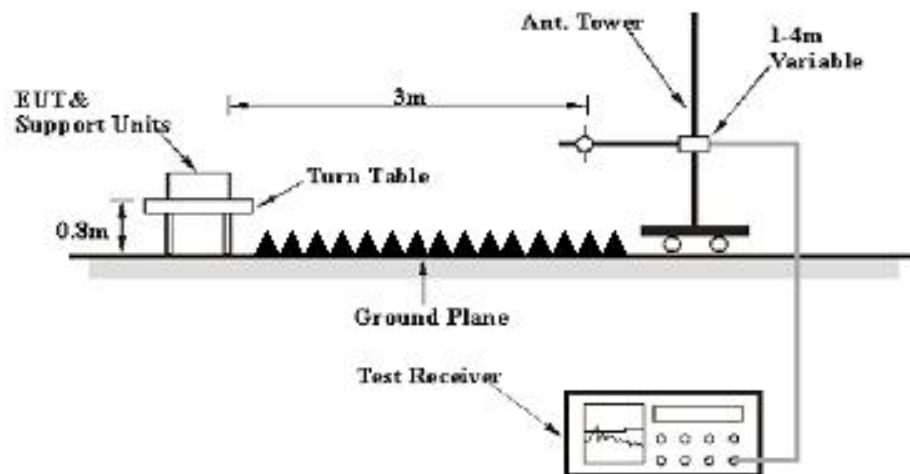
3.2 Radiation Spurious Emissions

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	Measurement
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	Reduced video bandwidth	/	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:	CR21100085-RF-S2(Type-1) CR21100085-RF-S1(Type-2)	Test Date:	2022-01-11~2022-03-22
Test Site:	CE	Test Mode:	Charging&Playing
Tester:	Nick Tang	Test Result:	Pass

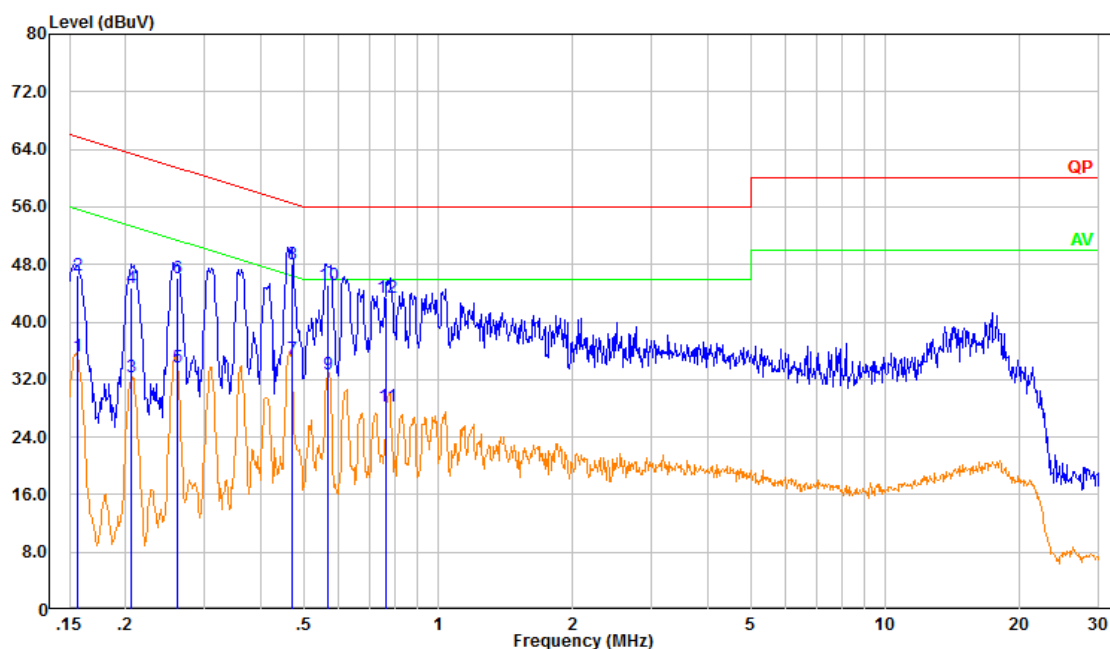
Environmental Conditions:					
Temperature: (°C)	18.8~24.8	Relative Humidity: (%)	61~67	ATM Pressure: (kPa)	100.5~101.6

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2021-04-25	2022-04-24
R&S	EMI Test Receiver	ESR3	102726	2021-07-22	2022-07-21
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2021-08-08	2022-08-07
Audix	Test Software	E3	190306 (V9)	N/A	N/A

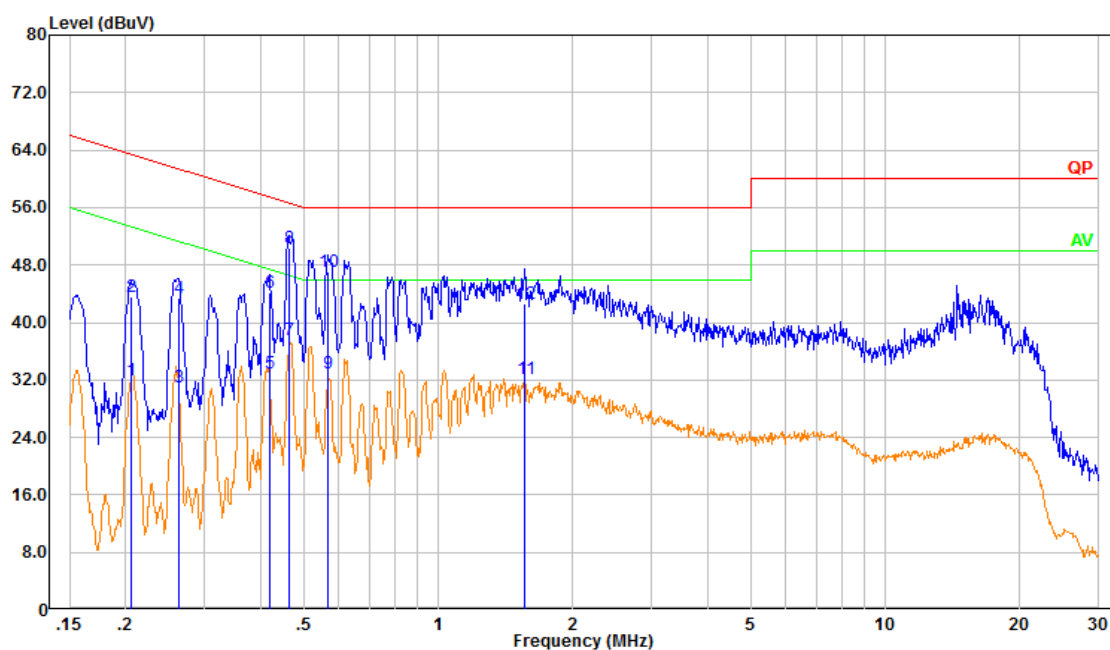
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Type-2:
Adapter 1#:
 Line:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.156	25.65	9.61	35.26	55.68	20.42	Average
2	0.156	36.91	9.61	46.52	65.68	19.16	QP
3	0.206	22.72	9.61	32.33	53.36	21.03	Average
4	0.206	35.10	9.61	44.71	63.36	18.65	QP
5	0.261	24.17	9.61	33.78	51.39	17.61	Average
6	0.261	36.58	9.61	46.19	61.39	15.20	QP
7	0.470	25.23	9.61	34.84	46.51	11.67	Average
8	0.470	38.44	9.61	48.05	56.51	8.46	QP
9	0.566	23.18	9.62	32.80	46.00	13.20	Average
10	0.566	35.53	9.62	45.15	56.00	10.85	QP
11	0.767	18.58	9.62	28.20	46.00	17.80	Average
12	0.767	33.74	9.62	43.36	56.00	12.64	QP

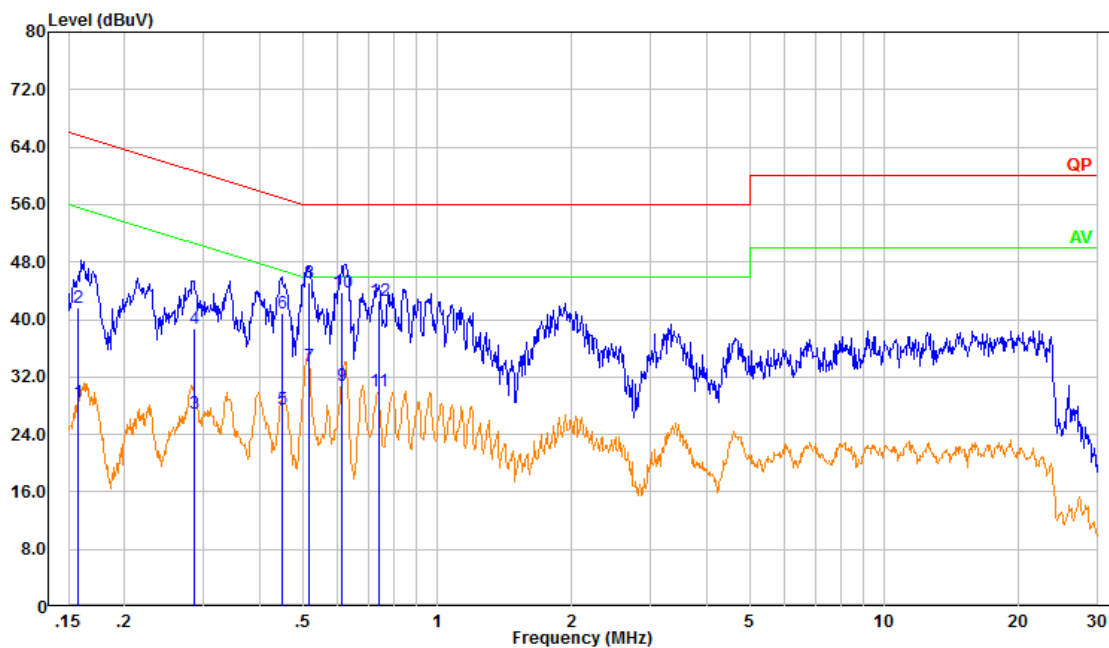
Neutral:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.206	22.42	9.61	32.03	53.36	21.33	Average
2	0.206	33.98	9.61	43.59	63.36	19.77	QP
3	0.263	21.34	9.61	30.95	51.33	20.38	Average
4	0.263	33.82	9.61	43.43	61.33	17.90	QP
5	0.419	23.37	9.61	32.98	47.47	14.49	Average
6	0.419	34.55	9.61	44.16	57.47	13.31	QP
7	0.463	28.01	9.61	37.62	46.64	9.02	Average
8	0.463	40.81	9.61	50.42	56.64	6.22	QP
9	0.565	23.29	9.62	32.91	46.00	13.09	Average
10	0.565	37.49	9.62	47.11	56.00	8.89	QP
11	1.565	22.52	9.63	32.15	46.00	13.85	Average
12	1.565	33.01	9.63	42.64	56.00	13.36	QP

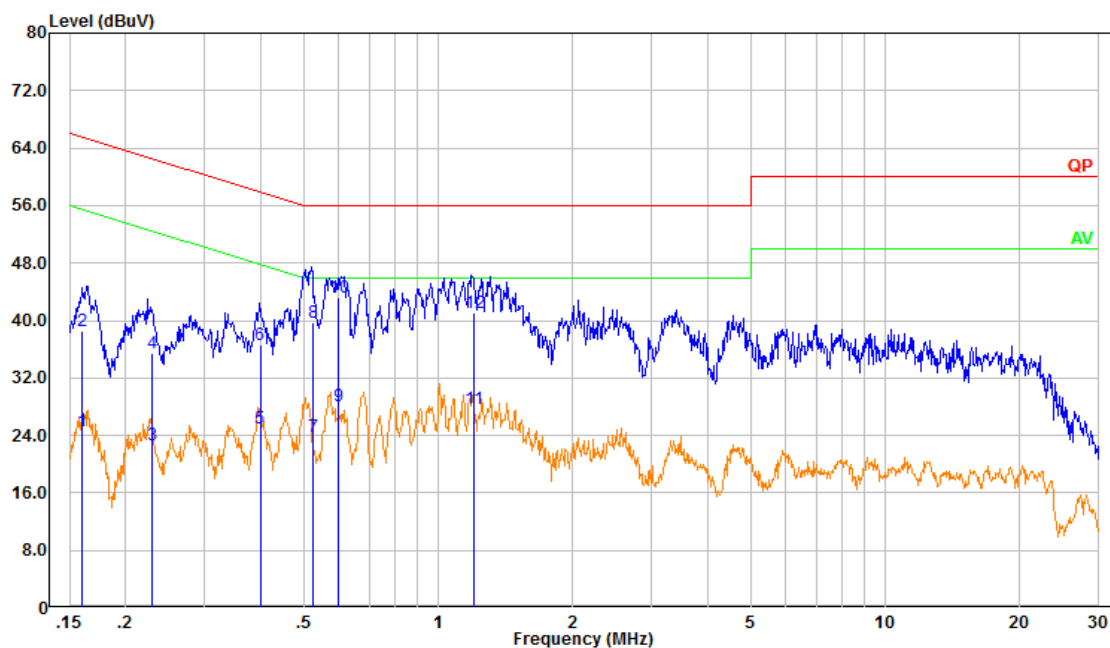
Adapter 2#:

Line:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.157	18.81	9.61	28.42	55.63	27.21	Average
2	0.157	32.01	9.61	41.62	65.63	24.01	QP
3	0.285	17.33	9.61	26.94	50.66	23.72	Average
4	0.285	29.16	9.61	38.77	60.66	21.89	QP
5	0.451	17.93	9.61	27.54	46.85	19.31	Average
6	0.451	31.24	9.61	40.85	56.85	16.00	QP
7	0.517	23.84	9.61	33.45	46.00	12.55	Average
8	0.517	35.43	9.61	45.04	56.00	10.96	QP
9	0.613	21.13	9.62	30.75	46.00	15.25	Average
10	0.613	34.21	9.62	43.83	56.00	12.17	QP
11	0.740	20.50	9.62	30.12	46.00	15.88	Average
12	0.740	32.94	9.62	42.56	56.00	13.44	QP

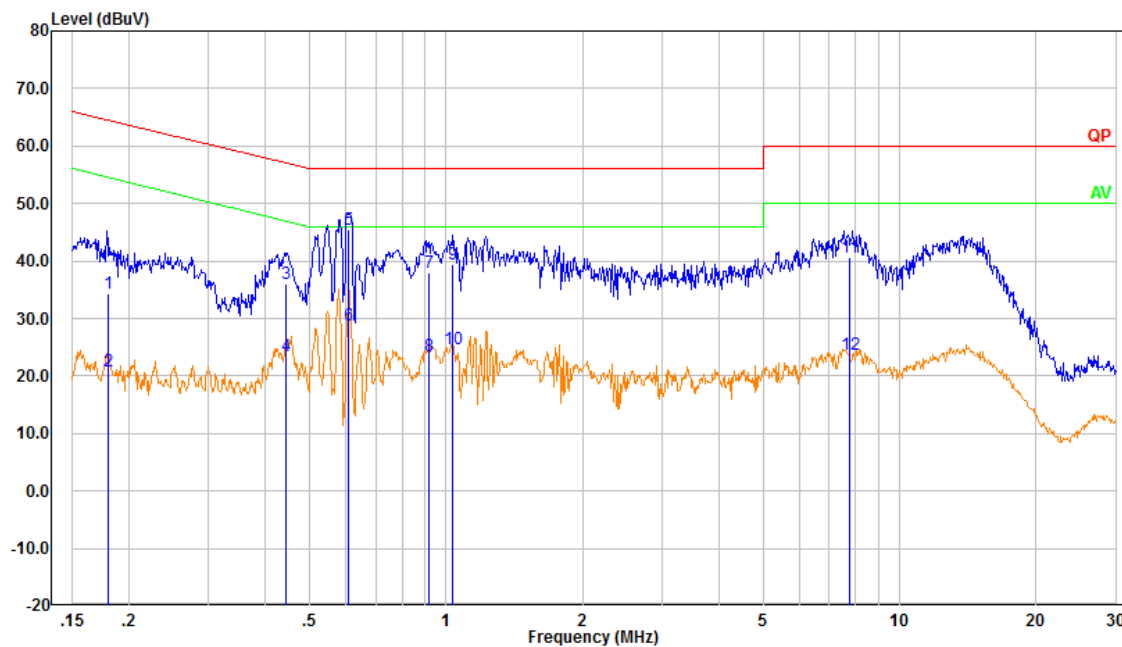
Neutral:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.160	15.03	9.61	24.64	55.45	30.81	Average
2	0.160	28.94	9.61	38.55	65.45	26.90	QP
3	0.229	13.15	9.61	22.76	52.47	29.71	Average
4	0.229	25.82	9.61	35.43	62.47	27.04	QP
5	0.400	15.28	9.61	24.89	47.86	22.97	Average
6	0.400	27.06	9.61	36.67	57.86	21.19	QP
7	0.525	14.17	9.61	23.78	46.00	22.22	Average
8	0.525	30.00	9.61	39.61	56.00	16.39	QP
9	0.597	18.46	9.62	28.08	46.00	17.92	Average
10	0.597	33.58	9.62	43.19	56.00	12.81	QP
11	1.203	18.07	9.62	27.69	46.00	18.31	Average
12	1.203	31.37	9.62	40.99	56.00	15.01	QP

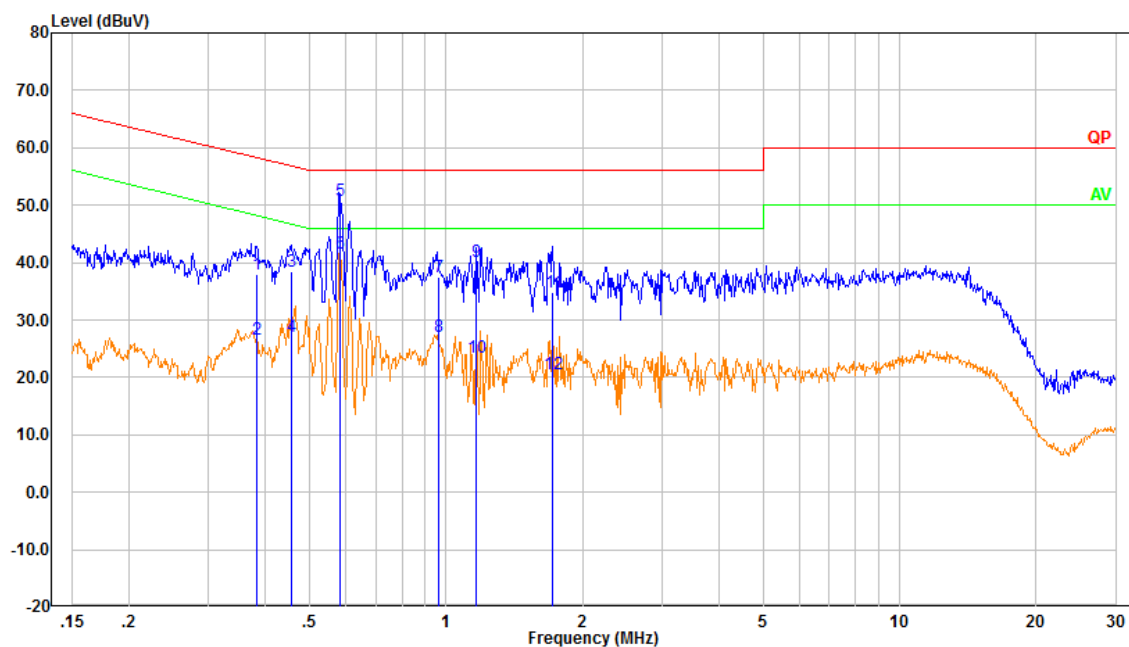
Type-1:
Adapter 1#:

Line:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.180	24.82	9.61	34.43	64.50	30.07	QP
2	0.180	11.14	9.61	20.75	54.50	33.75	Average
3	0.443	26.33	9.61	35.94	57.00	21.06	QP
4	0.443	13.85	9.61	23.46	47.00	23.54	Average
5	0.611	35.92	9.62	45.54	56.00	10.46	QP
6	0.611	19.29	9.62	28.91	46.00	17.09	Average
7	0.919	28.41	9.62	38.03	56.00	17.97	QP
8	0.919	13.93	9.62	23.55	46.00	22.45	Average
9	1.037	29.78	9.62	39.40	56.00	16.60	QP
10	1.037	14.96	9.62	24.58	46.00	21.42	Average
11	7.765	30.92	9.67	40.58	60.00	19.42	QP
12	7.765	14.12	9.67	23.79	50.00	26.21	Average

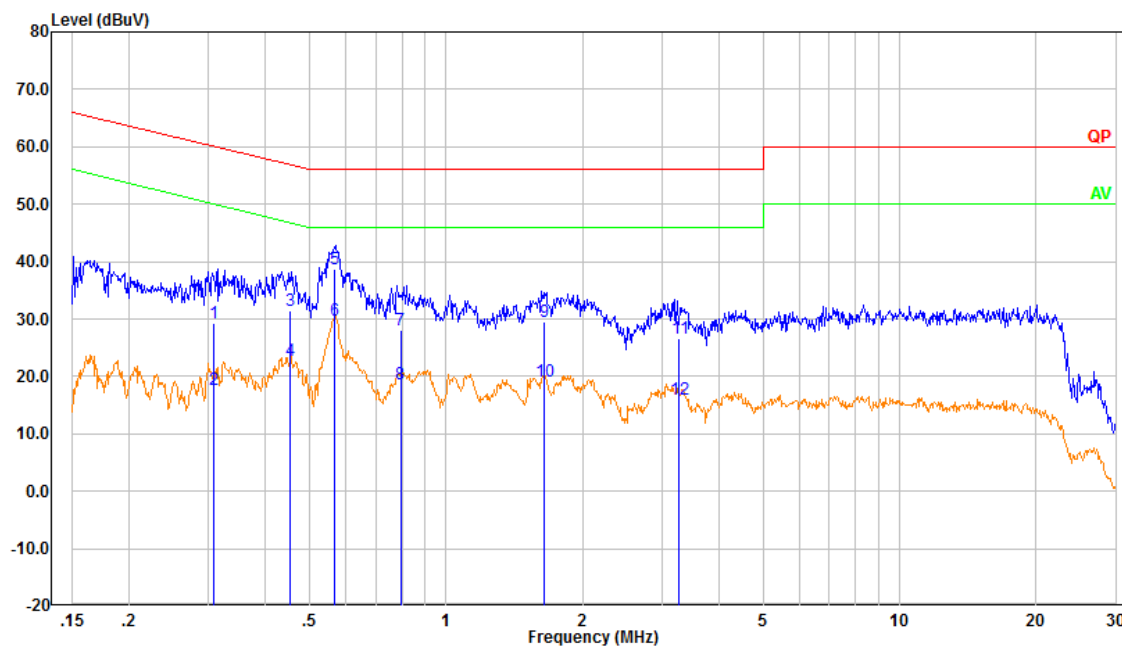
Neutral:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.382	28.28	9.61	37.89	58.23	20.34	QP
2	0.382	17.00	9.61	26.61	48.23	21.62	Average
3	0.456	28.96	9.61	38.57	56.77	18.20	QP
4	0.456	17.41	9.61	27.02	46.77	19.75	Average
5	0.586	41.18	9.62	50.79	56.00	5.21	QP
6	0.586	31.94	9.62	41.56	46.00	4.44	Average
7	0.963	27.97	9.62	37.59	56.00	18.41	QP
8	0.963	17.53	9.62	27.15	46.00	18.85	Average
9	1.169	30.63	9.62	40.25	56.00	15.75	QP
10	1.169	13.82	9.62	23.44	46.00	22.56	Average
11	1.722	25.31	9.63	34.93	56.00	21.07	QP
12	1.722	11.04	9.63	20.67	46.00	25.33	Average

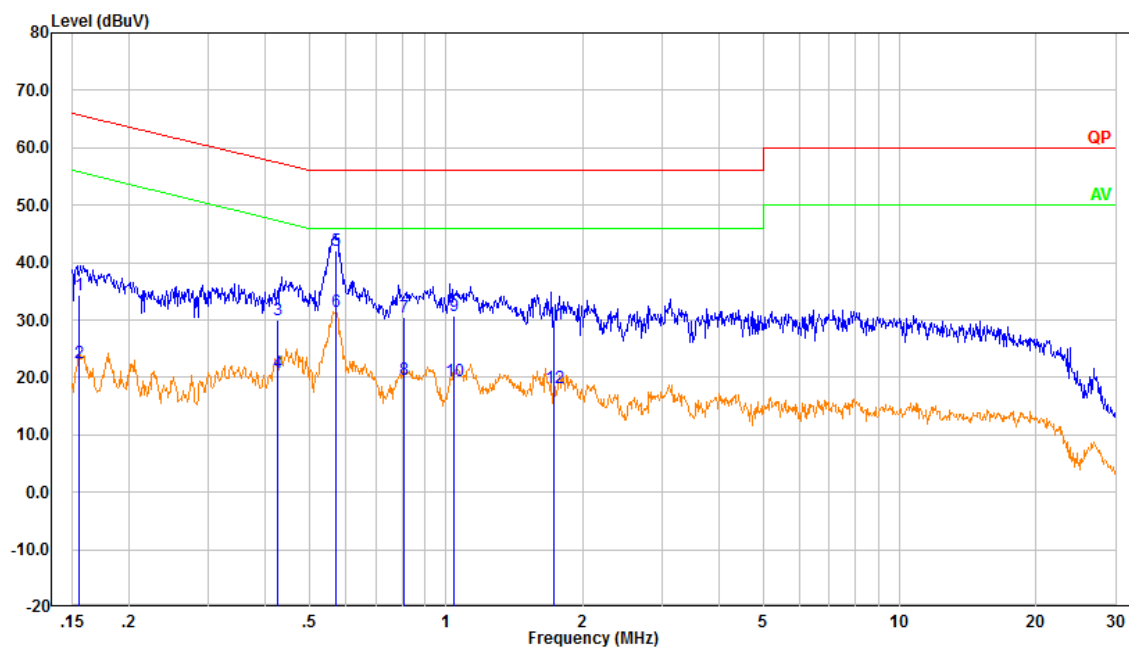
Type-1:
Adapter 2#:

Line:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.308	19.55	9.61	29.16	60.02	30.86	QP
2	0.308	8.11	9.61	17.72	50.02	32.30	Average
3	0.454	21.91	9.61	31.52	56.80	25.28	QP
4	0.454	13.21	9.61	22.82	46.80	23.98	Average
5	0.567	29.05	9.62	38.66	56.00	17.34	QP
6	0.567	20.09	9.62	29.71	46.00	16.29	Average
7	0.794	18.38	9.62	28.00	56.00	28.00	QP
8	0.794	9.04	9.62	18.66	46.00	27.34	Average
9	1.647	19.96	9.63	29.58	56.00	26.42	QP
10	1.647	9.47	9.63	19.10	46.00	26.90	Average
11	3.268	17.08	9.65	26.73	56.00	29.27	QP
12	3.268	6.45	9.65	16.10	46.00	29.90	Average

Neutral:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.155	24.71	9.61	34.32	65.73	31.41	QP
2	0.155	12.88	9.61	22.49	55.73	33.24	Average
3	0.425	20.34	9.61	29.95	57.35	27.40	QP
4	0.425	11.20	9.61	20.81	47.35	26.54	Average
5	0.571	32.38	9.62	42.00	56.00	14.00	QP
6	0.571	21.74	9.62	31.36	46.00	14.64	Average
7	0.807	20.90	9.62	30.52	56.00	25.48	QP
8	0.807	10.04	9.62	19.66	46.00	26.34	Average
9	1.041	21.05	9.62	30.67	56.00	25.33	QP
10	1.041	9.66	9.62	19.28	46.00	26.72	Average
11	1.734	19.58	9.63	29.21	56.00	26.79	QP
12	1.734	8.49	9.63	18.12	46.00	27.88	Average

4.2 Radiation Spurious Emissions

Serial Number:	CR21100085-RF-S2(Type-1) CR21100085-RF-S1(Type-2)	Test Date:	2022-01-11~2022-03-23
Test Site:	966-1, 966-2	Test Mode:	Charging&Playing
Tester:	Tommy Luo, Carl Liang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	18.2~22	Relative Humidity: (%)	49~56	ATM Pressure: (kPa)	101.1~101.6
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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
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020-10-13	2023-10-12
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
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2021-11-10	2022-11-09
Audix	Test Software	E3	201021 (V9)	N/A	N/A
E-Microwave	Band Rejection Filter	2400-2483.5MHz	OE01902424	2021-08-08	2022-08-07

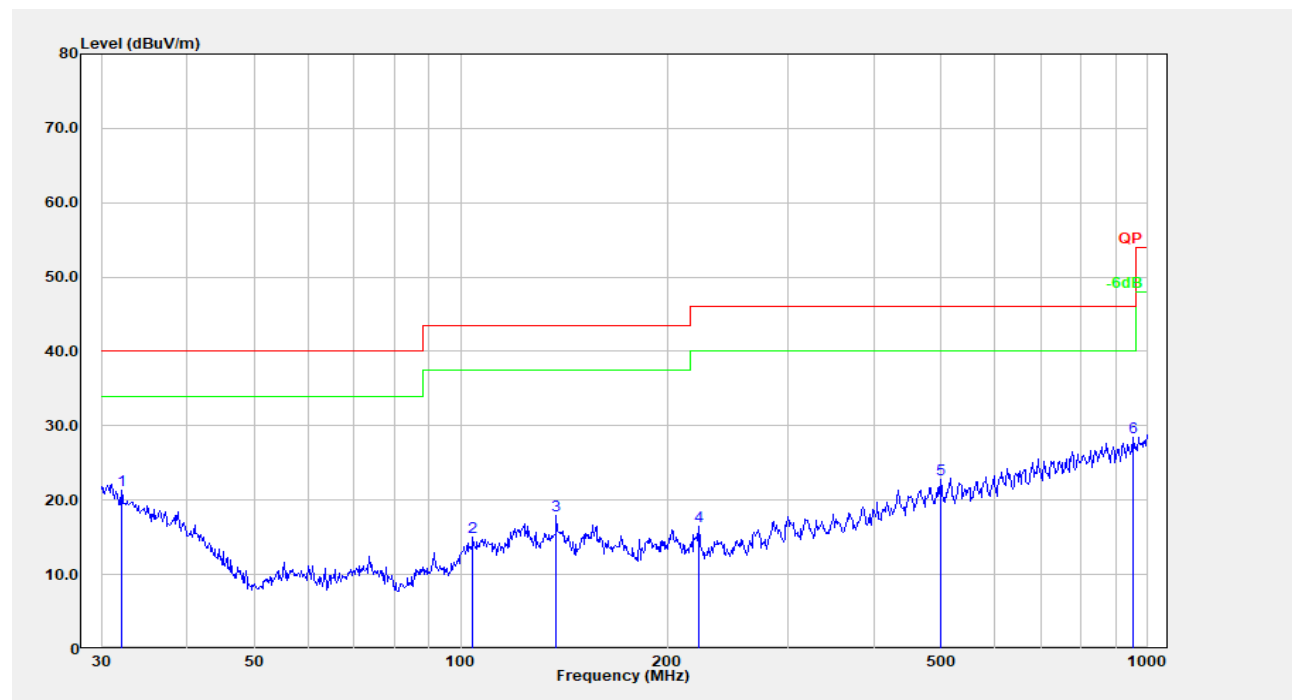
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Type-2:

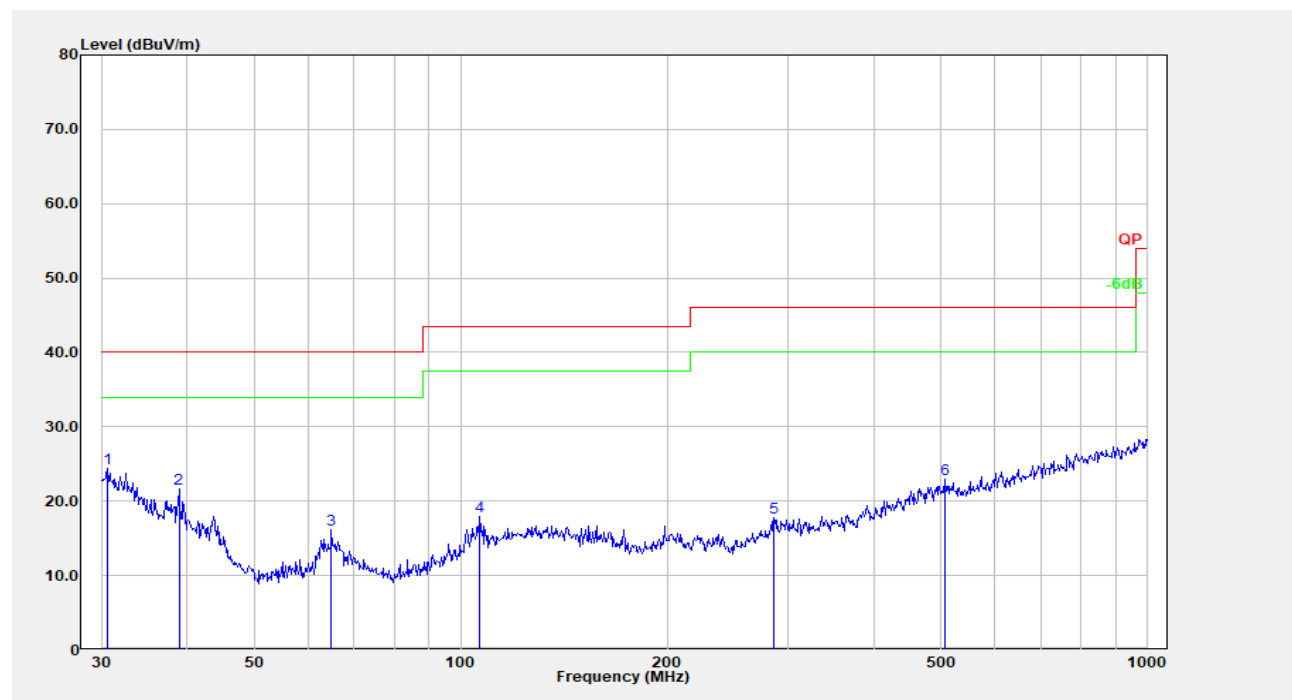
1) 30MHz-1GHz:

Adapter 1#:

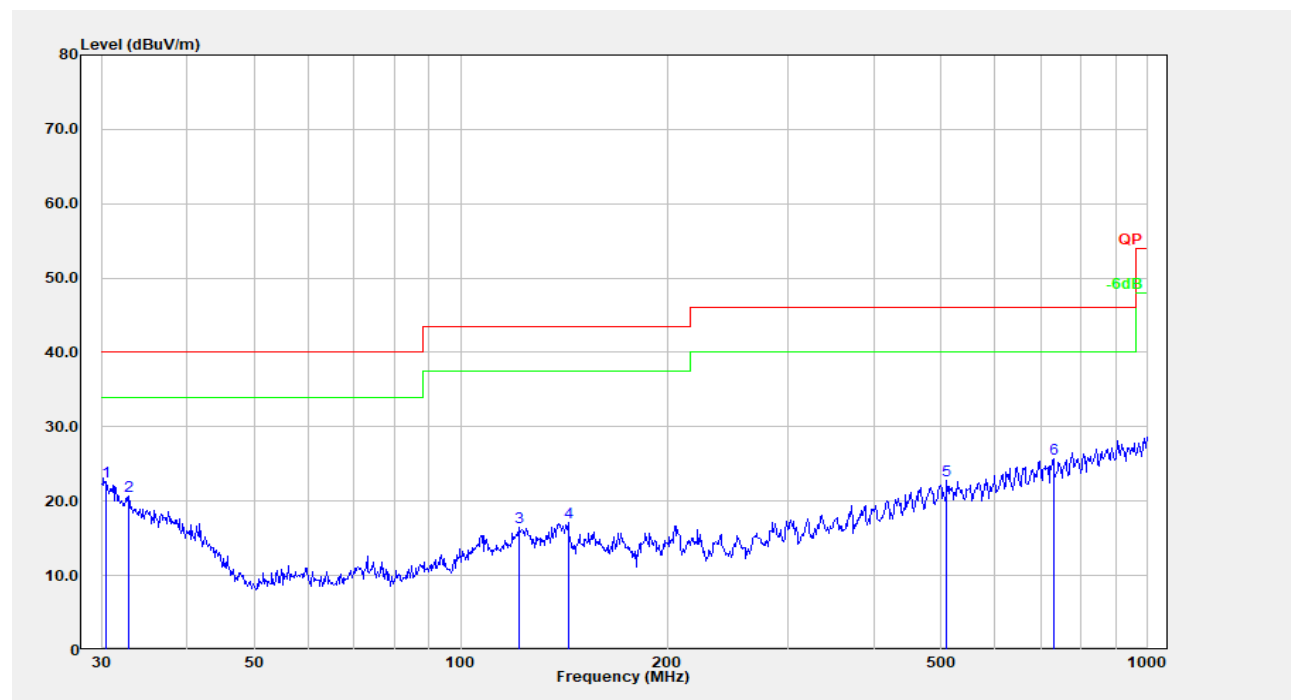
Horizontal:



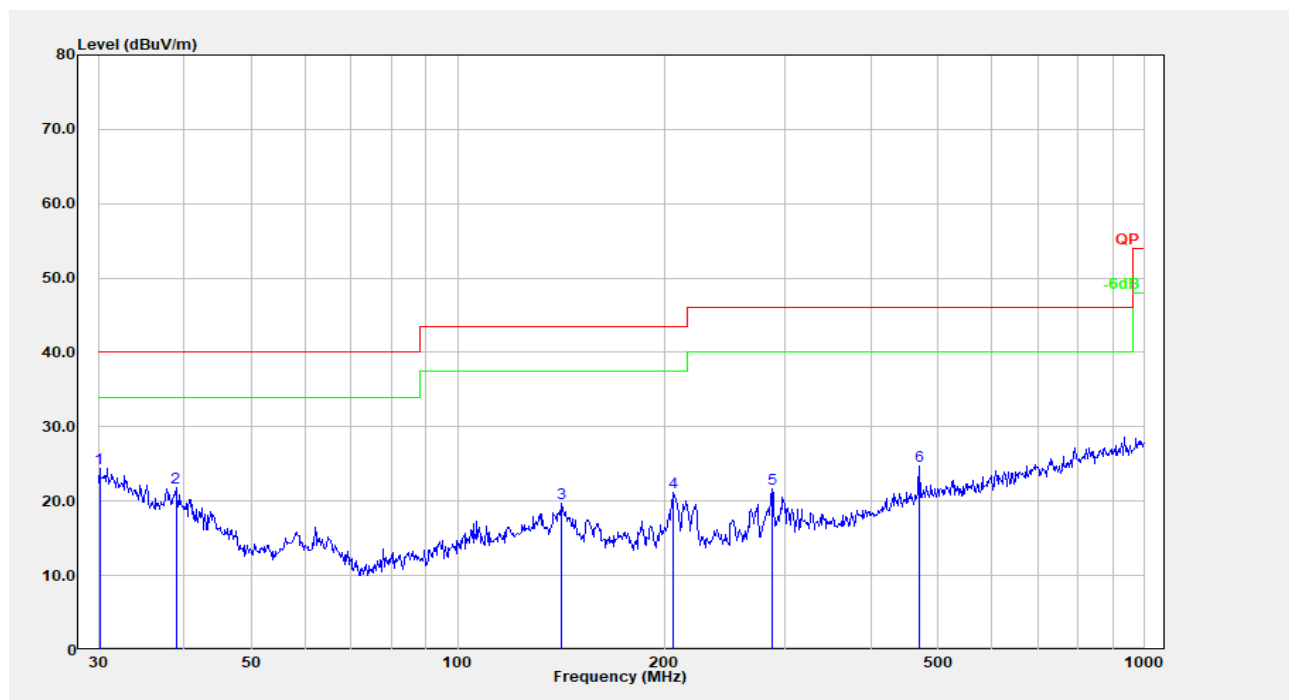
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.067	26.64	-5.37	21.27	40.00	18.73	Peak
2	104.170	28.79	-13.76	15.03	43.50	28.47	Peak
3	137.903	30.04	-12.05	17.99	43.50	25.51	Peak
4	222.170	29.48	-12.99	16.48	46.00	29.52	Peak
5	499.425	28.97	-6.26	22.71	46.00	23.29	Peak
6	952.094	28.74	-0.35	28.39	46.00	17.61	Peak

Vertical:

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.638	28.62	-4.28	24.34	40.00	15.66	Peak
2	38.888	32.29	-10.63	21.66	40.00	18.34	Peak
3	64.887	33.33	-17.17	16.16	40.00	23.84	Peak
4	106.759	31.16	-13.22	17.94	43.50	25.56	Peak
5	285.978	29.28	-11.48	17.81	46.00	28.19	Peak
6	506.479	29.11	-6.12	22.99	46.00	23.01	Peak

Adapter 2#
Horizontal:

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	26.83	-4.20	22.64	40.00	17.36	Peak
2	32.864	26.77	-6.01	20.76	40.00	19.24	Peak
3	121.549	28.27	-11.71	16.56	43.50	26.94	Peak
4	143.326	29.26	-12.18	17.09	43.50	26.41	Peak
5	510.044	28.79	-6.05	22.74	46.00	23.26	Peak
6	729.358	28.97	-3.22	25.75	46.00	20.25	Peak

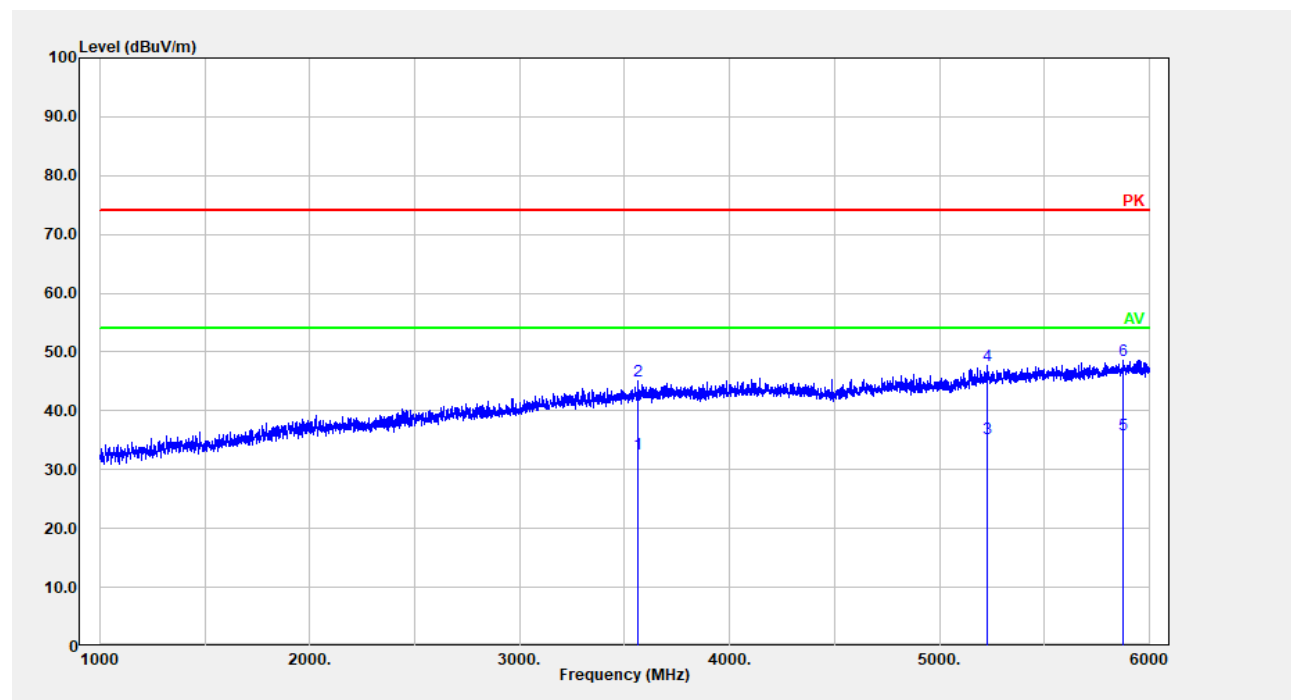
Vertical:

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.105	28.24	-3.87	24.37	40.00	15.63	Peak
2	38.888	32.52	-10.63	21.89	40.00	18.11	Peak
3	141.826	31.88	-12.17	19.71	43.50	23.79	Peak
4	205.675	33.70	-12.54	21.16	43.50	22.34	Peak
5	286.982	33.12	-11.41	21.71	46.00	24.29	Peak
6	470.523	31.28	-6.58	24.69	46.00	21.31	Peak

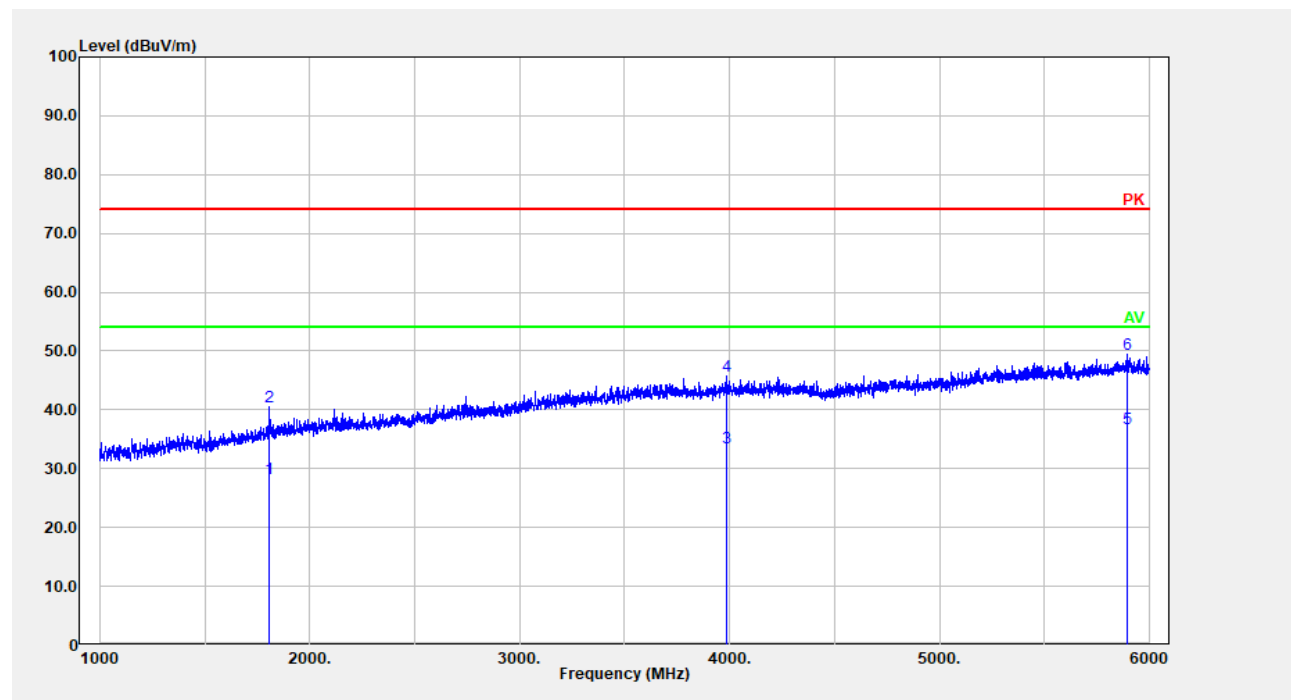
2) Above 1GHz

Adapter 1#:

Horizontal:

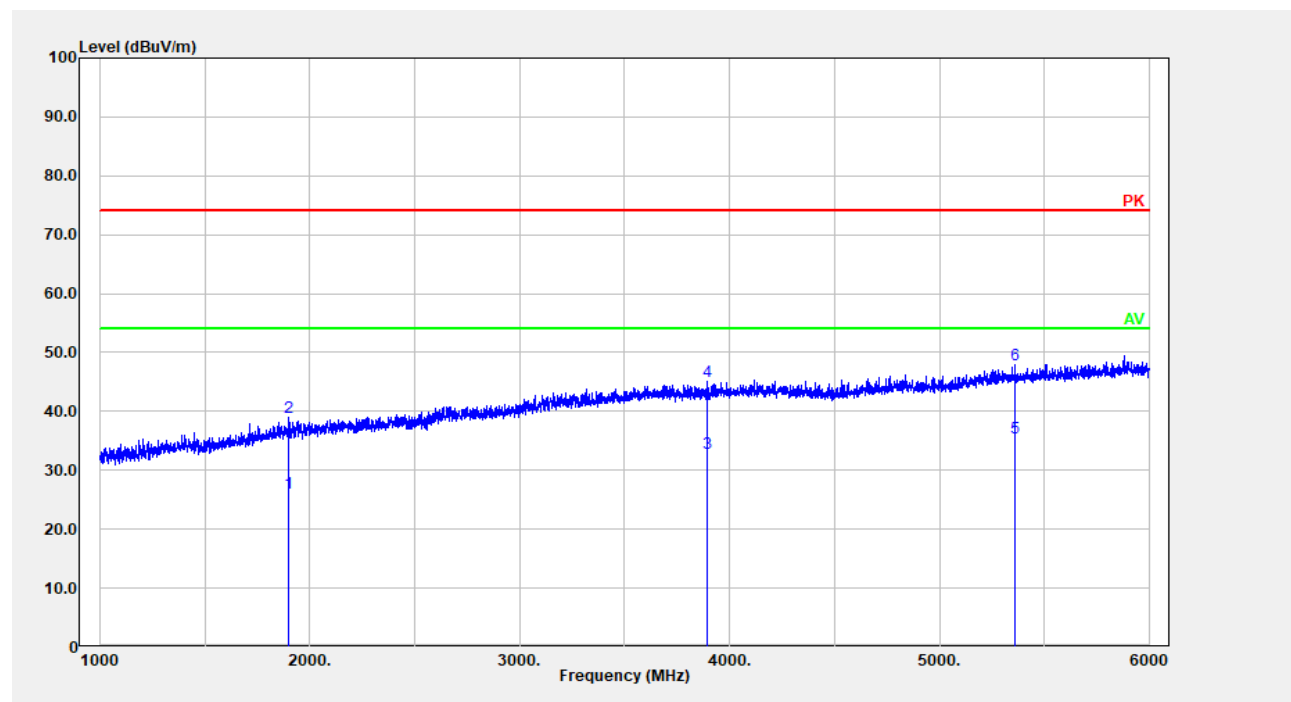


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3563.513	23.64	8.95	32.59	54.00	21.41	Average
2	3563.513	36.10	8.95	45.05	74.00	28.95	Peak
3	5227.846	23.44	11.88	35.32	54.00	18.68	Average
4	5227.846	35.79	11.88	47.67	74.00	26.33	Peak
5	5876.976	22.69	13.15	35.84	54.00	18.16	Average
6	5876.976	35.34	13.15	48.49	74.00	25.51	Peak

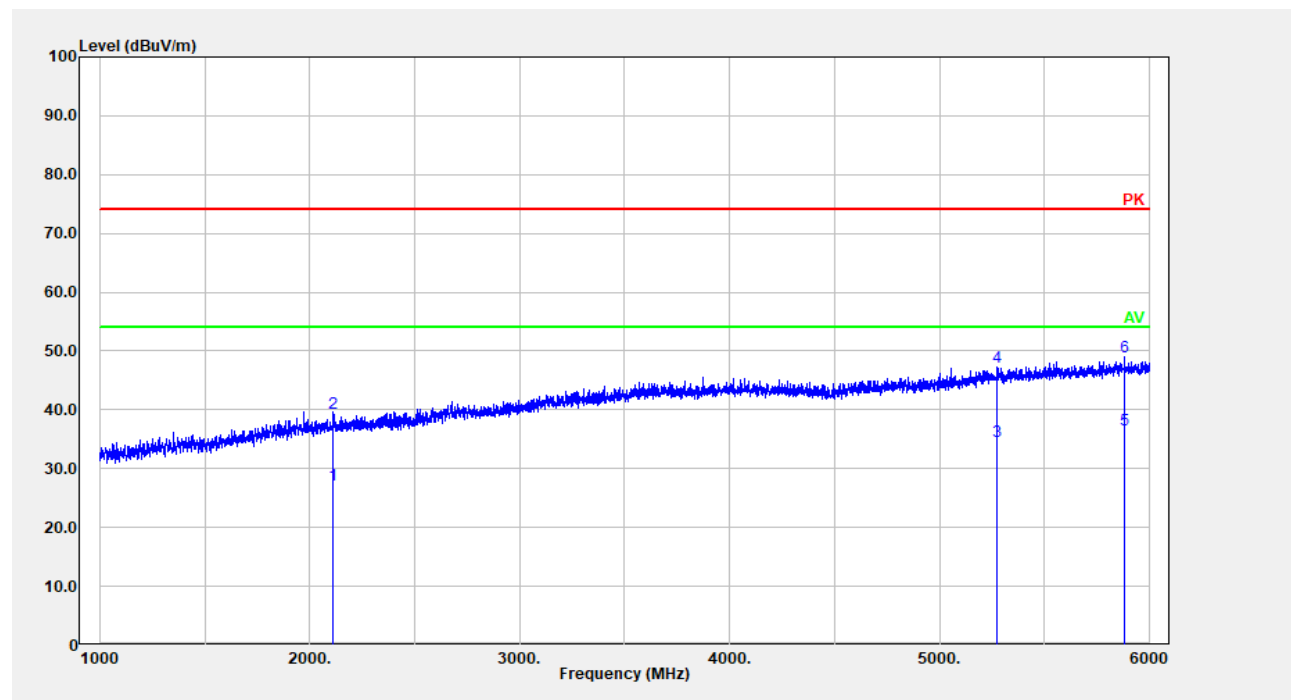
Vertical:

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1808.162	26.85	1.57	28.42	54.00	25.58	Average
2	1808.162	39.06	1.57	40.63	74.00	33.37	Peak
3	3986.597	23.51	9.98	33.49	54.00	20.51	Average
4	3986.597	35.71	9.98	45.69	74.00	28.31	Peak
5	5894.979	23.67	13.24	36.91	54.00	17.09	Average
6	5894.979	36.12	13.24	49.36	74.00	24.64	Peak

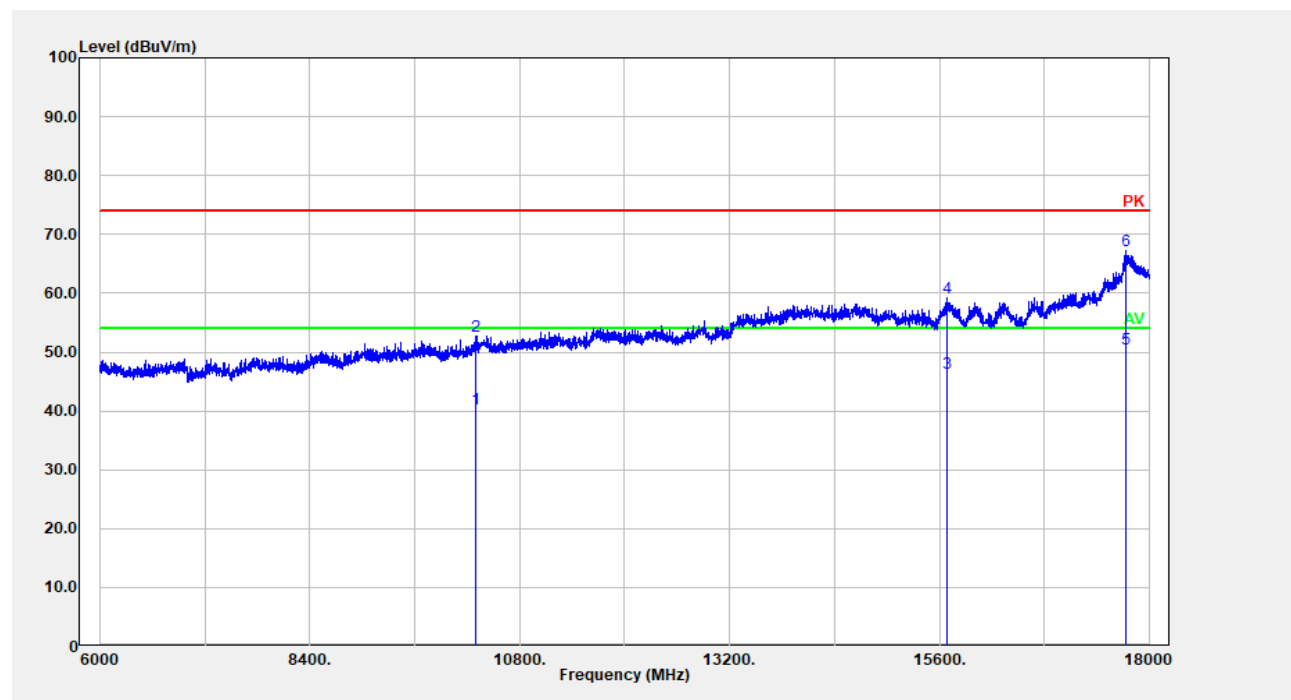
Adapter 2#:
Horizontal:



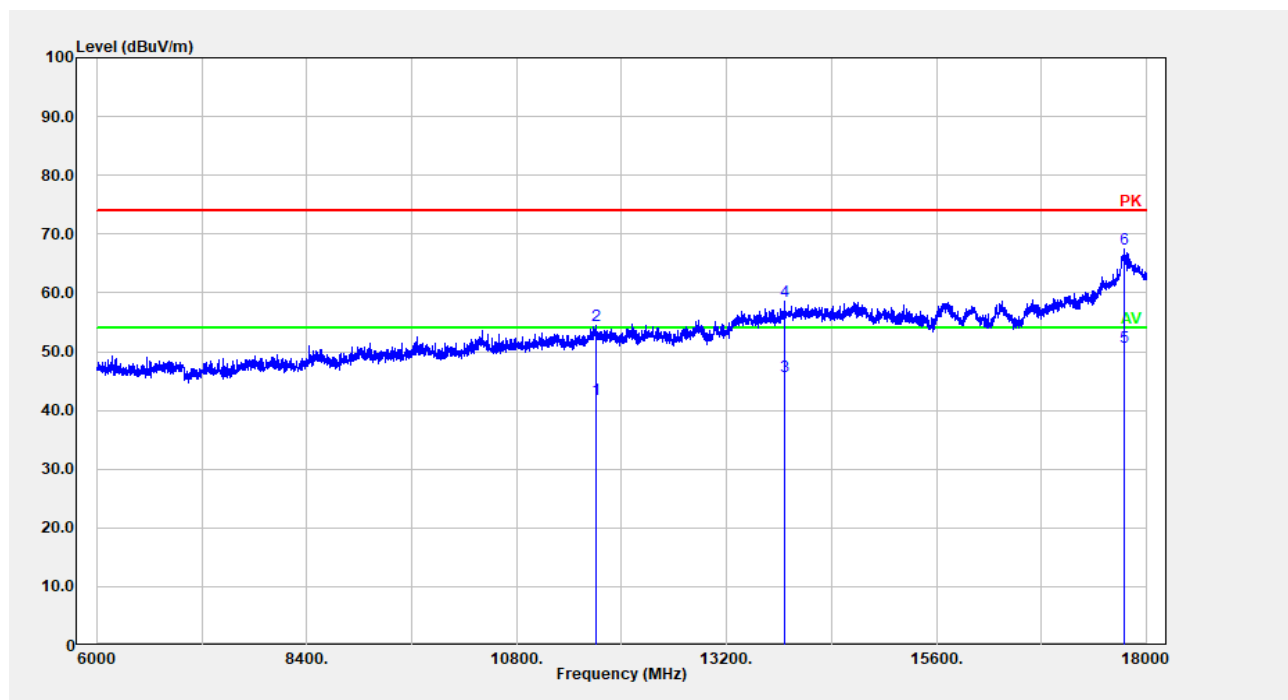
No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	1900.180	24.24	1.97	26.21	54.00	27.79	Average
2	1900.180	36.99	1.97	38.96	74.00	35.04	Peak
3	3895.579	23.41	9.58	32.99	54.00	21.01	Average
4	3895.579	35.55	9.58	45.13	74.00	28.87	Peak
5	5360.872	23.28	12.14	35.42	54.00	18.58	Average
6	5360.872	35.88	12.14	48.02	74.00	25.98	Peak

Vertical:

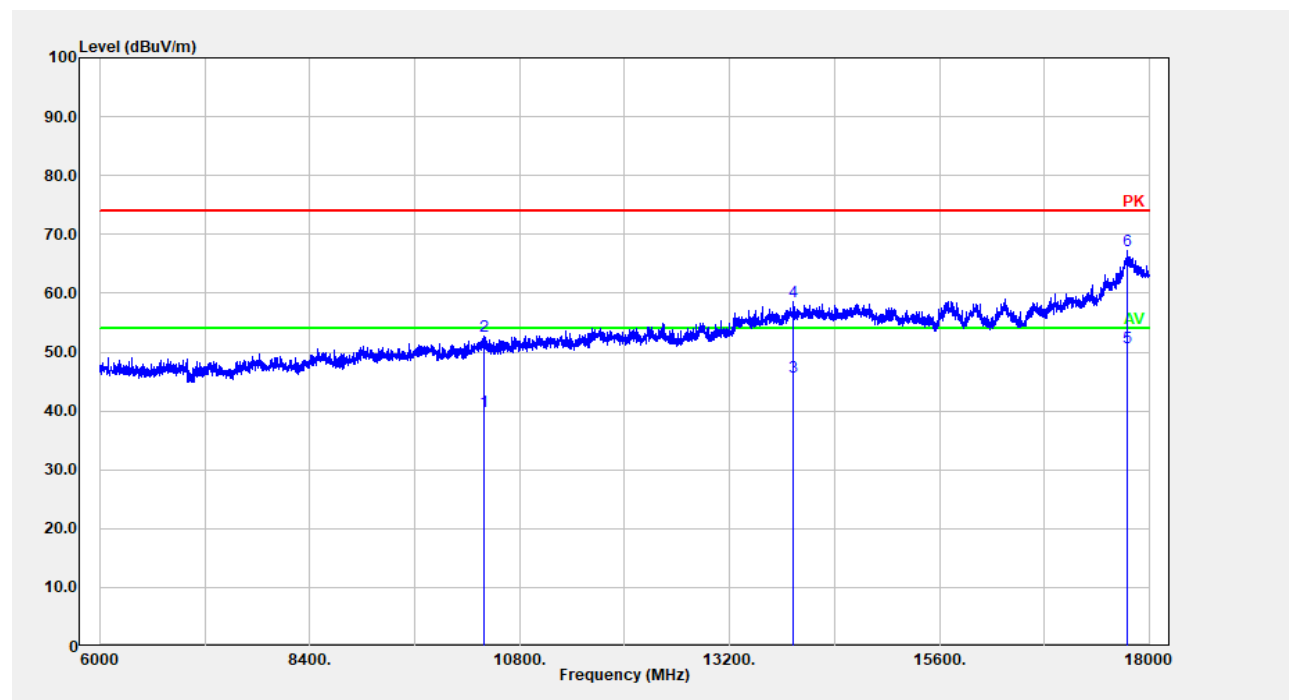
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2111.222	24.56	2.74	27.30	54.00	26.70	Average
2	2111.222	36.80	2.74	39.54	74.00	34.46	Peak
3	5274.855	22.75	11.95	34.70	54.00	19.30	Average
4	5274.855	35.37	11.95	47.32	74.00	26.68	Peak
5	5879.976	23.40	13.16	36.56	54.00	17.44	Average
6	5879.976	35.79	13.16	48.95	74.00	25.05	Peak

Adapter 1#:**Horizontal:**

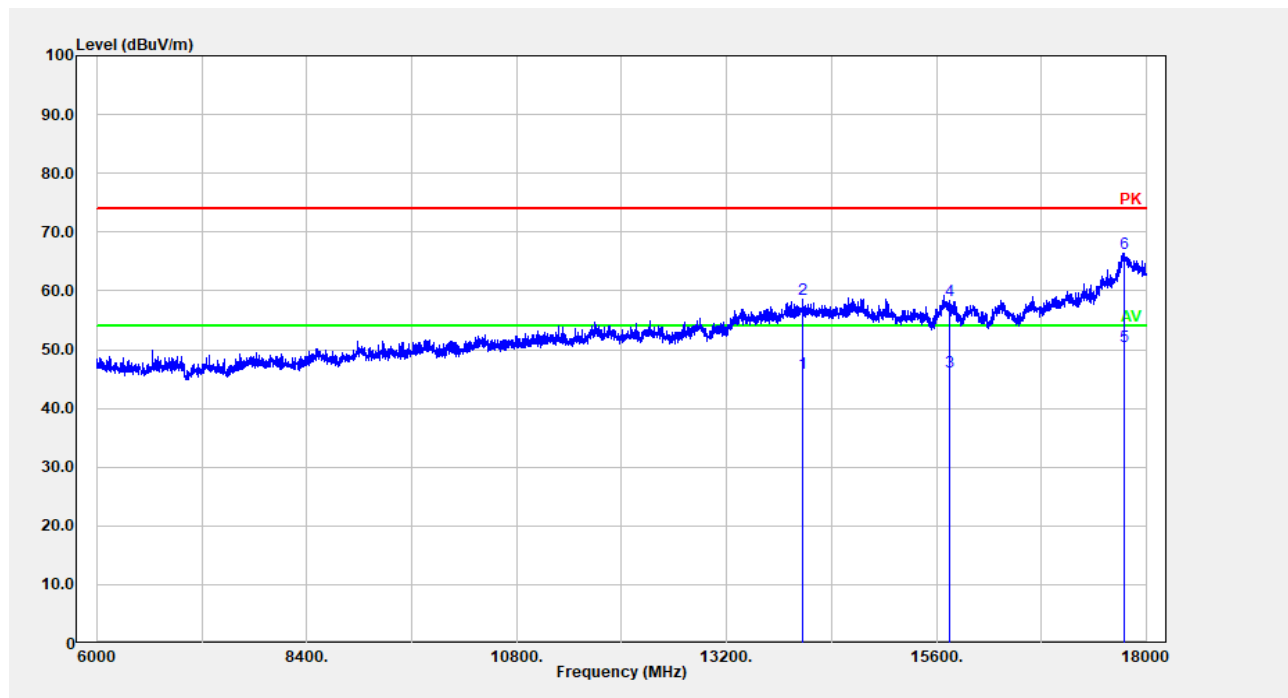
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	10292.060	22.05	18.35	40.40	54.00	13.60	Average
2	10292.060	34.45	18.35	52.80	74.00	21.20	Peak
3	15693.140	25.10	21.22	46.32	54.00	7.68	Average
4	15693.140	37.96	21.22	59.18	74.00	14.82	Peak
5	17731.150	21.00	29.58	50.58	54.00	3.42	Average
6	17731.150	37.59	29.58	67.17	74.00	6.83	Peak

Vertical:

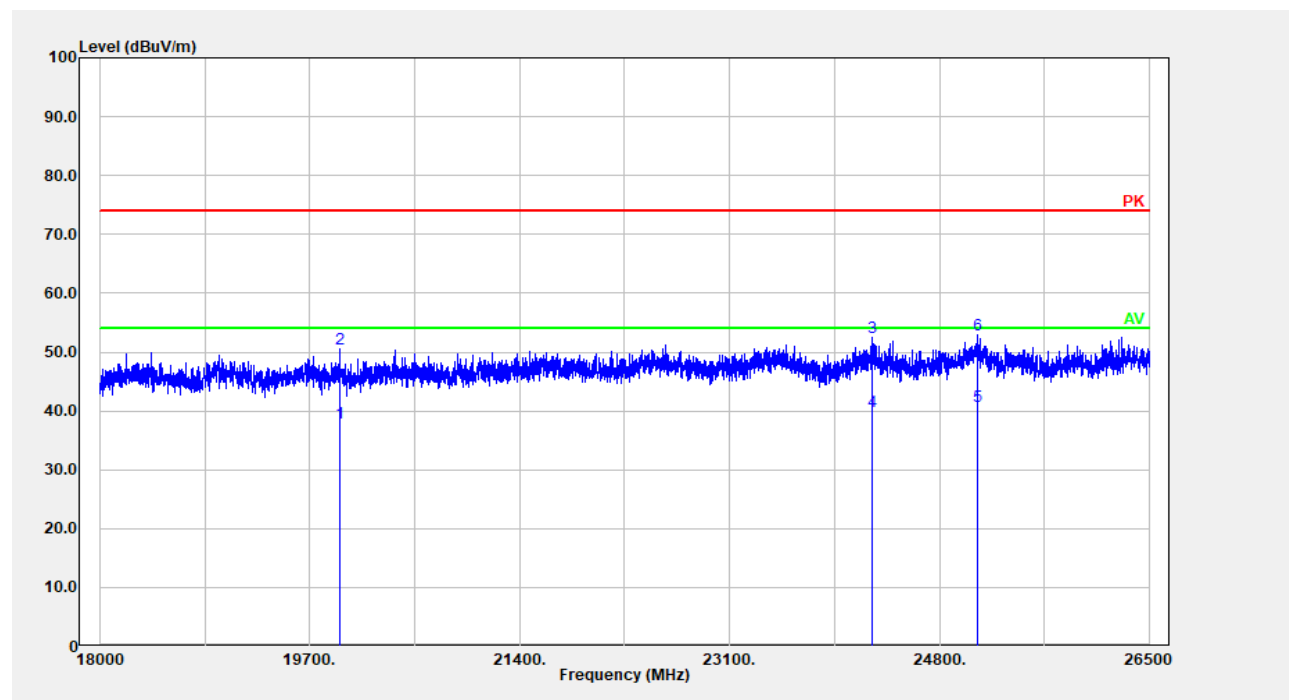
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11705.940	21.27	20.54	41.81	54.00	12.19	Average
2	11705.940	33.91	20.54	54.45	74.00	19.55	Peak
3	13866.370	22.32	23.50	45.82	54.00	8.18	Average
4	13866.370	34.97	23.50	58.47	74.00	15.53	Peak
5	17755.150	21.14	29.58	50.72	54.00	3.28	Average
6	17755.150	37.94	29.58	67.52	74.00	6.48	Peak

Adapter 2#:**Horizontal:**

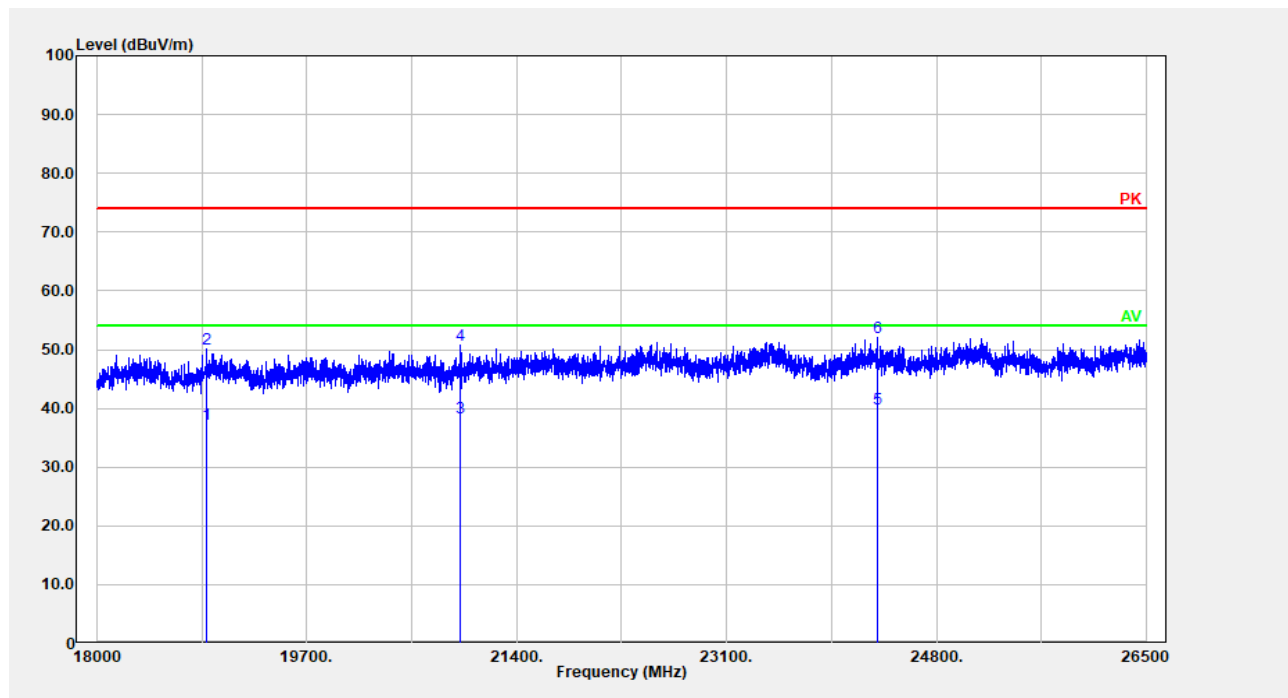
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	10390.480	21.52	18.46	39.98	54.00	14.02	Average
2	10390.480	34.27	18.46	52.73	74.00	21.27	Peak
3	13921.580	21.83	23.86	45.69	54.00	8.31	Average
4	13921.580	34.67	23.86	58.53	74.00	15.47	Peak
5	17755.150	21.09	29.58	50.67	54.00	3.33	Average
6	17755.150	37.57	29.58	67.15	74.00	6.85	Peak

Vertical:

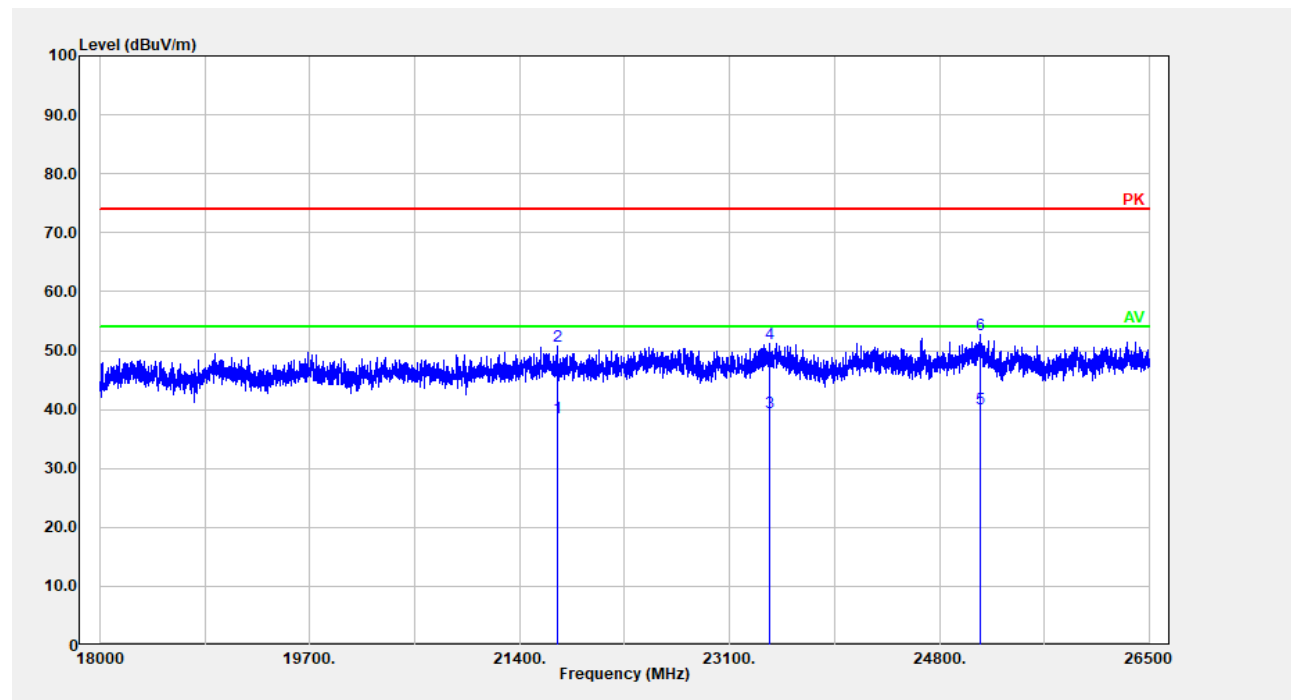
No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	14068.010	22.17	23.85	46.02	54.00	7.98	Average
2	14068.010	34.66	23.85	58.51	74.00	15.49	Peak
3	15748.350	24.86	21.25	46.11	54.00	7.89	Average
4	15748.350	37.12	21.25	58.37	74.00	15.63	Peak
5	17745.550	20.89	29.58	50.47	54.00	3.53	Average
6	17745.550	36.78	29.58	66.36	74.00	7.64	Peak

Adapter 1#:**Horizontal:**

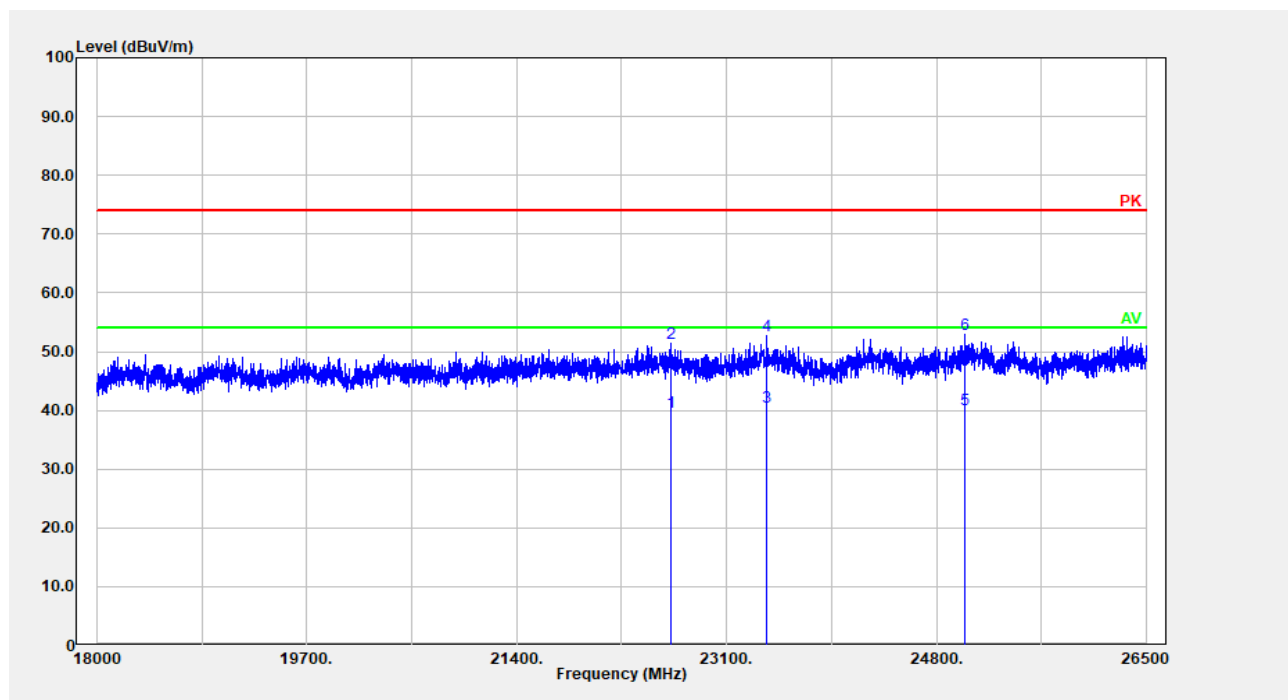
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	19945.190	32.16	5.70	37.86	54.00	16.14	Average
2	19945.190	44.77	5.70	50.47	74.00	23.53	Peak
3	24258.950	41.00	11.39	52.39	74.00	21.61	Peak
4	24258.950	28.61	11.39	40.00	74.00	34.00	Peak
5	25104.020	27.96	12.77	40.73	54.00	13.27	Average
6	25104.020	40.23	12.77	53.00	74.00	21.00	Peak

Vertical:

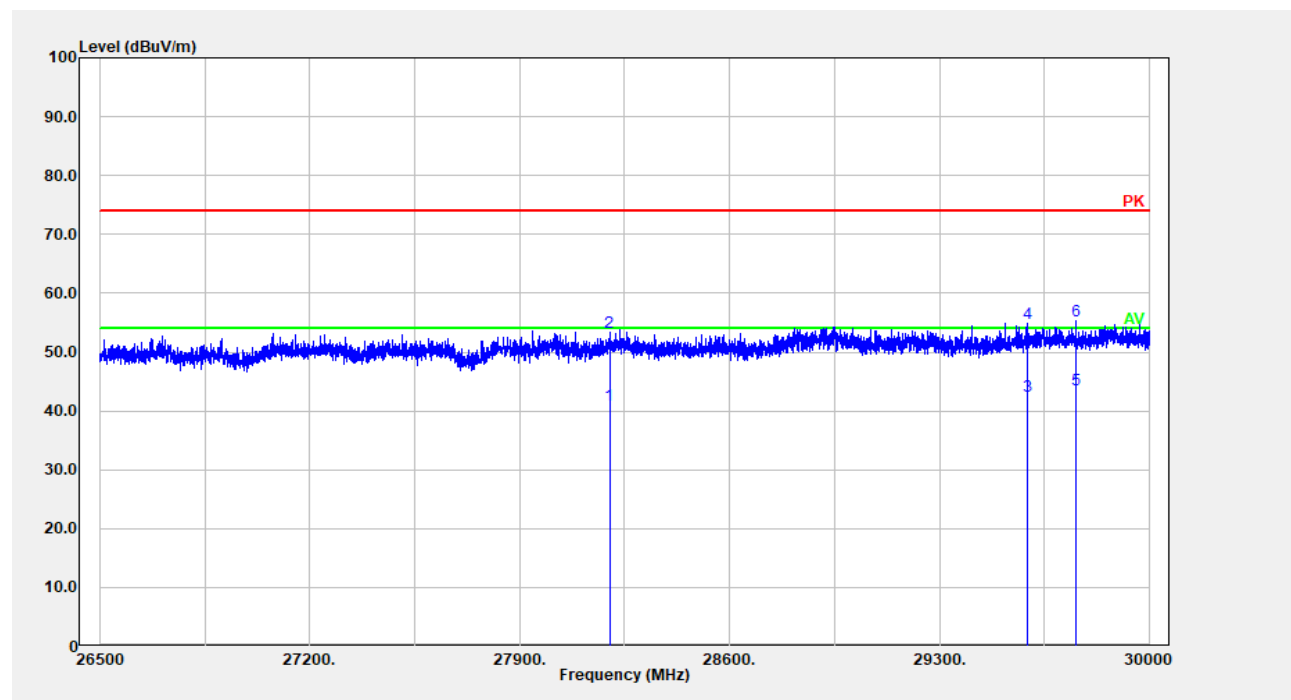
No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	18890.980	31.84	5.54	37.38	54.00	16.62	Average
2	18890.980	44.52	5.54	50.06	74.00	23.94	Peak
3	20944.990	31.29	7.21	38.50	54.00	15.50	Average
4	20944.990	43.48	7.21	50.69	74.00	23.31	Peak
5	24325.270	28.31	11.50	39.81	54.00	14.19	Average
6	24325.270	40.49	11.50	51.99	74.00	22.01	Peak

Adapter 2#:**Horizontal:**

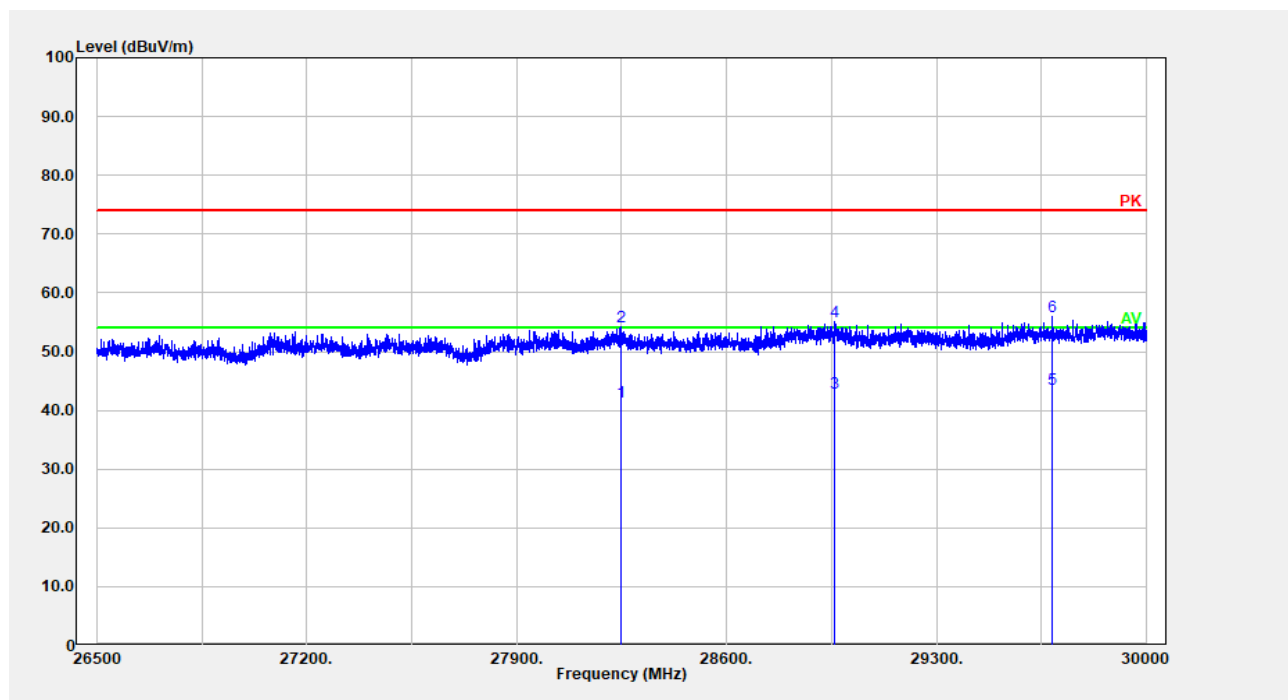
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	21708.440	29.86	8.72	38.58	54.00	15.42	Average
2	21708.440	42.05	8.72	50.77	74.00	23.23	Peak
3	23422.380	28.33	11.17	39.50	54.00	14.50	Average
4	23422.380	40.13	11.17	51.30	74.00	22.70	Peak
5	25136.330	27.22	13.01	40.23	54.00	13.77	Average
6	25136.330	39.64	13.01	52.65	74.00	21.35	Peak

Vertical:

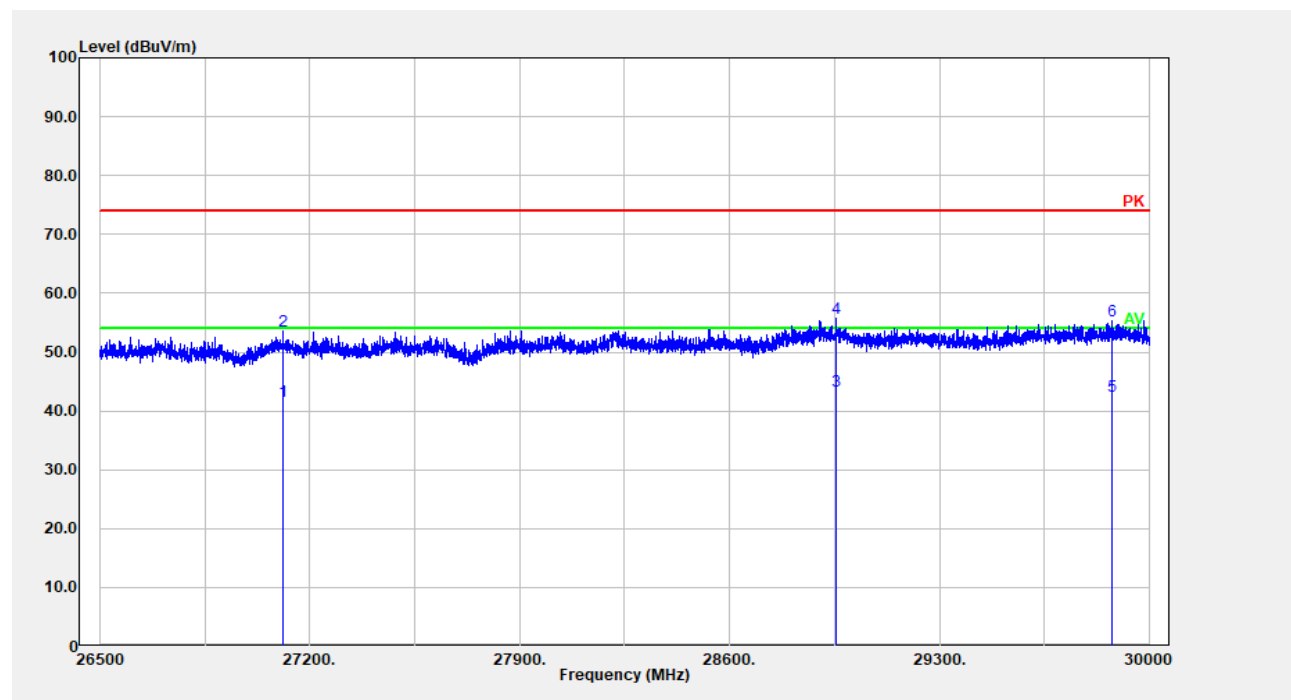
No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	22653.830	29.55	10.11	39.66	54.00	14.34	Average
2	22653.830	41.36	10.11	51.47	74.00	22.53	Peak
3	23420.680	29.36	11.16	40.52	54.00	13.48	Average
4	23420.680	41.60	11.16	52.76	74.00	21.24	Peak
5	25030.910	27.80	12.25	40.05	54.00	13.95	Average
6	25030.910	40.60	12.25	52.85	74.00	21.15	Peak

Adapter 1#:**Horizontal:**

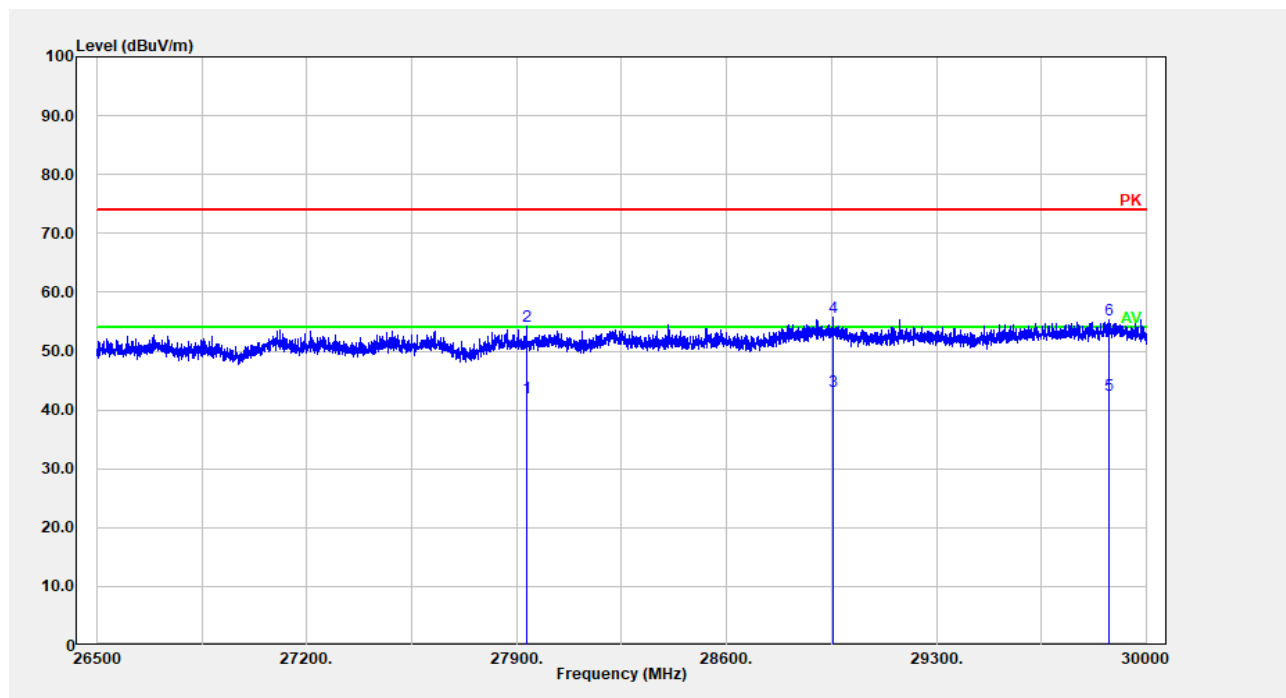
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	28199.240	27.12	13.93	41.05	54.00	12.95	Average
2	28199.240	39.38	13.93	53.31	74.00	20.69	Peak
3	29593.220	27.83	14.66	42.49	54.00	11.51	Average
4	29593.220	40.24	14.66	54.90	74.00	19.10	Peak
5	29756.350	28.50	15.08	43.58	54.00	10.42	Average
6	29756.350	40.22	15.08	55.30	74.00	18.70	Peak

Vertical:

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	28249.650	27.88	13.64	41.52	54.00	12.48	Average
2	28249.650	40.53	13.64	54.17	74.00	19.83	Peak
3	28961.690	28.32	14.67	42.99	54.00	11.01	Average
4	28961.690	40.44	14.67	55.11	74.00	18.89	Peak
5	29685.640	28.63	14.93	43.56	54.00	10.44	Average
6	29685.640	41.07	14.93	56.00	74.00	18.00	Peak

Adapter 2#:**Horizontal:**

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	27110.520	27.64	14.08	41.72	54.00	12.28	Average
2	27110.520	39.54	14.08	53.62	74.00	20.38	Peak
3	28955.390	28.78	14.68	43.46	54.00	10.54	Average
4	28955.390	41.09	14.68	55.77	74.00	18.23	Peak
5	29873.970	28.06	14.54	42.60	54.00	11.40	Average
6	29873.970	40.67	14.54	55.21	74.00	18.79	Peak

Vertical:

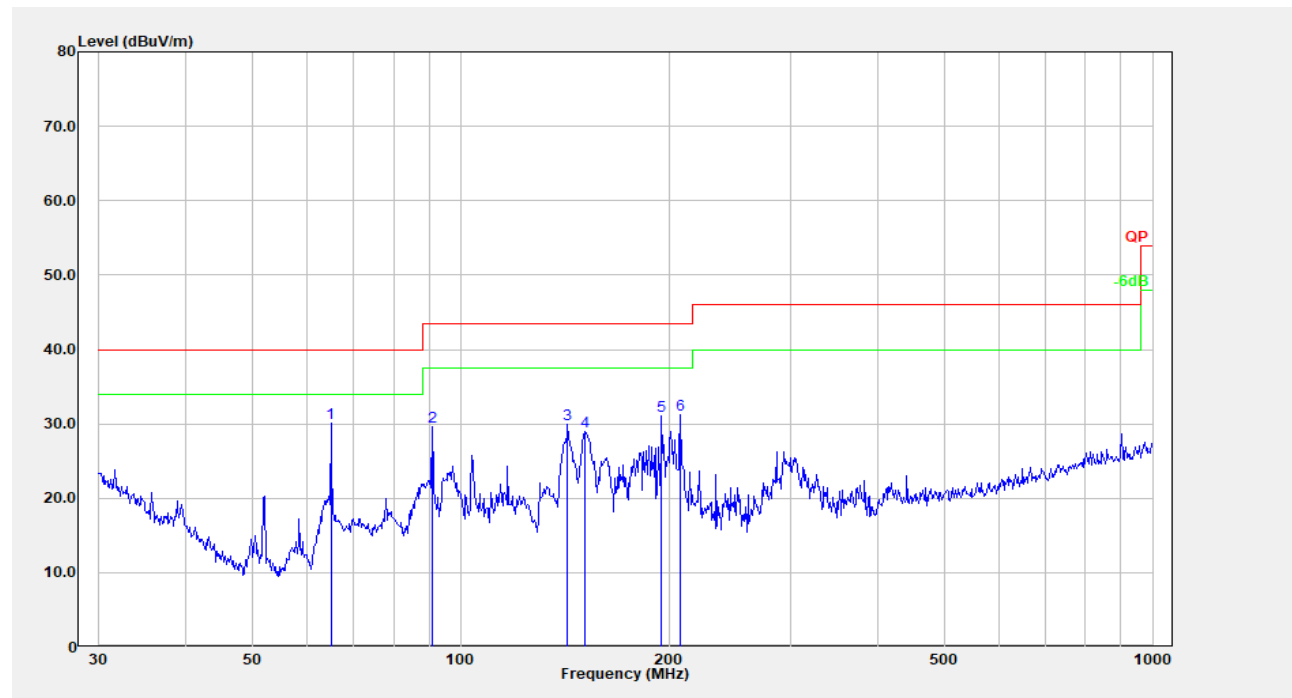
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	27933.190	27.43	14.72	42.15	54.00	11.85	Average
2	27933.190	39.47	14.72	54.19	74.00	19.81	Peak
3	28955.390	28.52	14.68	43.20	54.00	10.80	Average
4	28955.390	41.09	14.68	55.77	74.00	18.23	Peak
5	29873.970	27.93	14.54	42.47	54.00	11.53	Average
6	29873.970	40.67	14.54	55.21	74.00	18.79	Peak

Type-2:

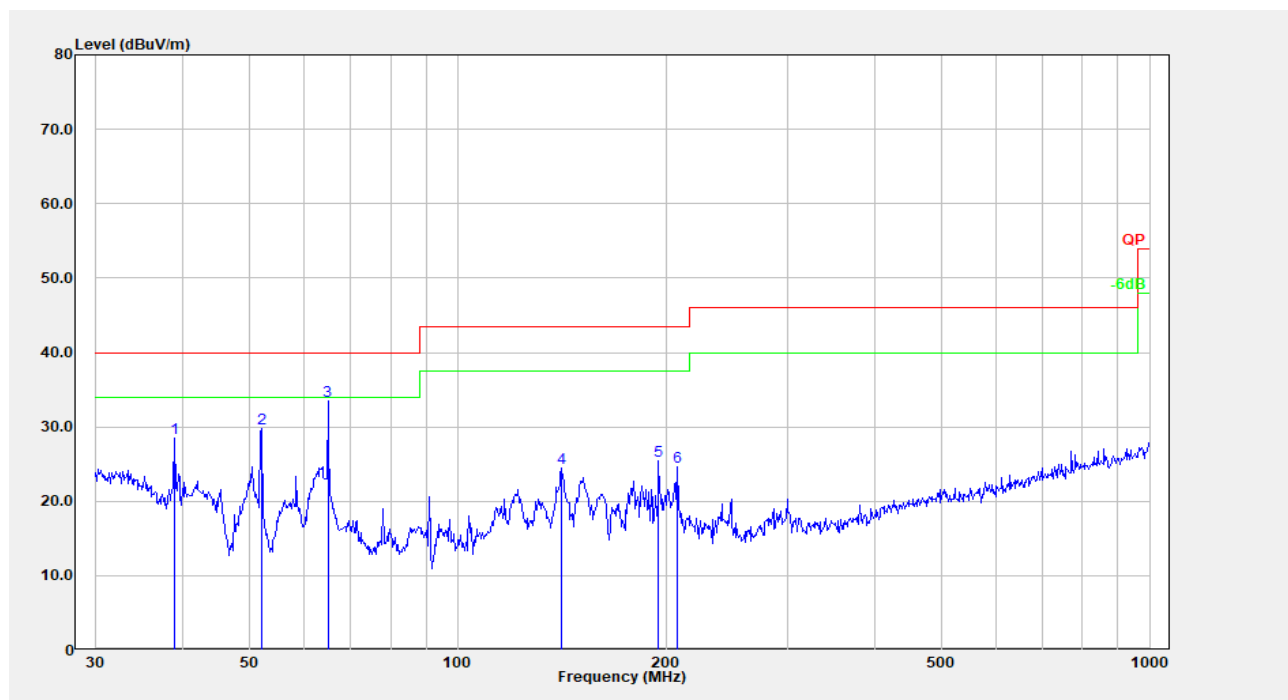
1) 30MHz-1GHz:

Adapter 1#:

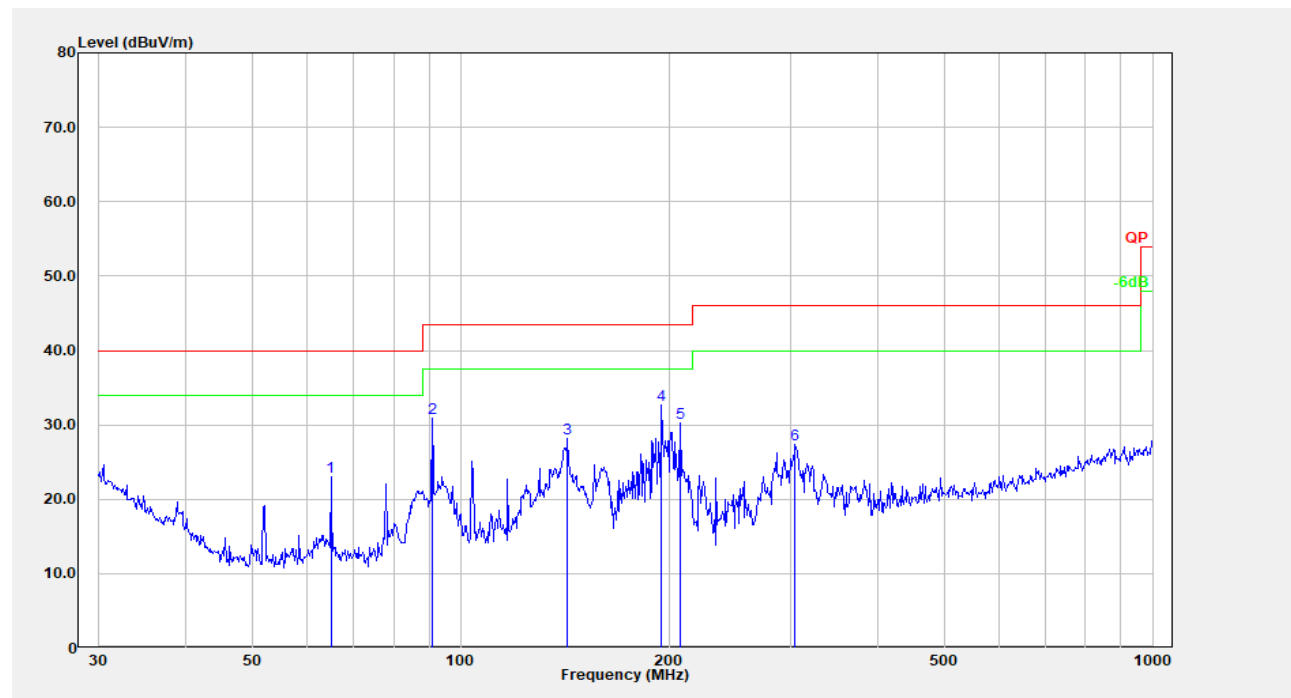
Horizontal:



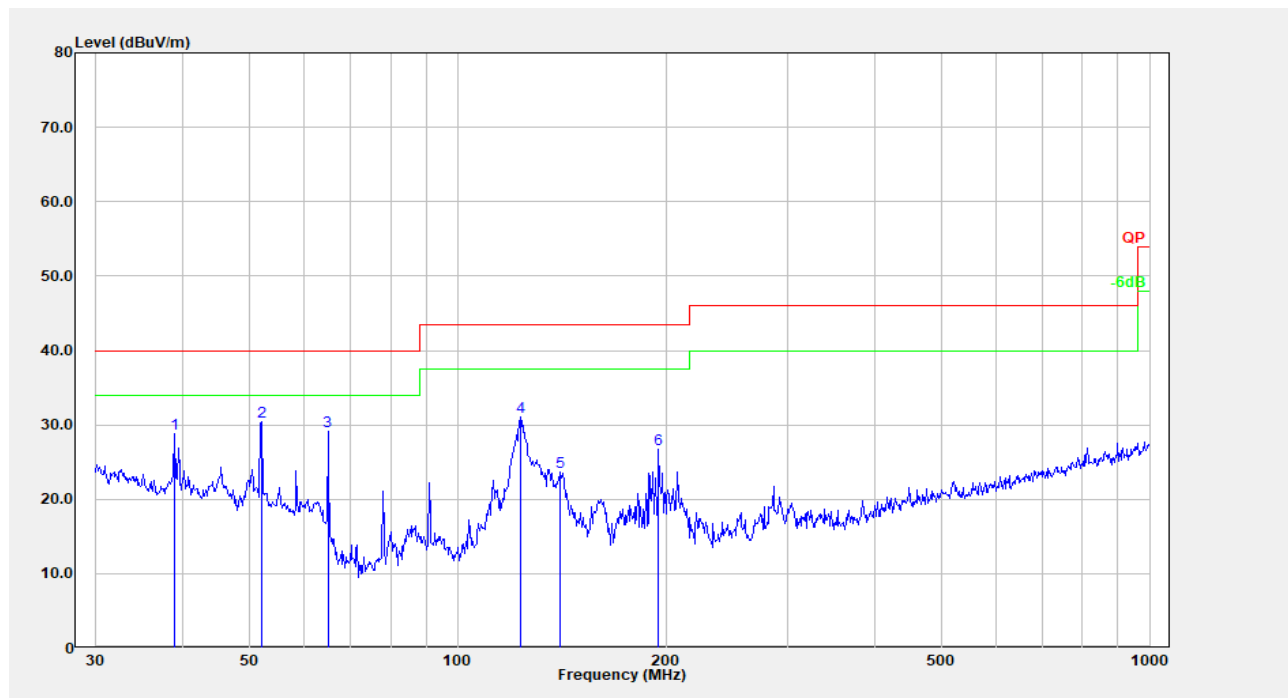
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	64.887	47.24	-17.17	30.07	40.00	9.93	Peak
2	90.855	46.58	-16.97	29.61	43.50	13.89	Peak
3	142.824	42.06	-12.16	29.90	43.50	13.60	Peak
4	151.067	41.29	-12.31	28.98	43.50	14.52	Peak
5	195.137	43.96	-12.91	31.05	43.50	12.45	Peak
6	207.850	43.84	-12.57	31.27	43.50	12.23	Peak

Vertical:

No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	38.888	39.19	-10.63	28.56	40.00	11.44	Peak
2	52.025	47.15	-17.43	29.72	40.00	10.28	Peak
3	64.887	50.68	-17.17	33.50	40.00	6.50	Peak
4	141.330	36.58	-12.18	24.40	43.50	19.10	Peak
5	195.137	38.32	-12.91	25.41	43.50	18.09	Peak
6	207.850	37.19	-12.57	24.62	43.50	18.88	Peak

Adapter 2#
Horizontal:

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	64.887	40.13	-17.17	22.95	40.00	17.05	Peak
2	90.855	47.88	-16.97	30.91	43.50	12.59	Peak
3	142.824	40.27	-12.16	28.11	43.50	15.39	Peak
4	195.137	45.51	-12.91	32.60	43.50	10.90	Peak
5	207.850	42.87	-12.57	30.30	43.50	13.20	Peak
6	304.610	38.09	-10.79	27.30	46.00	18.70	Peak

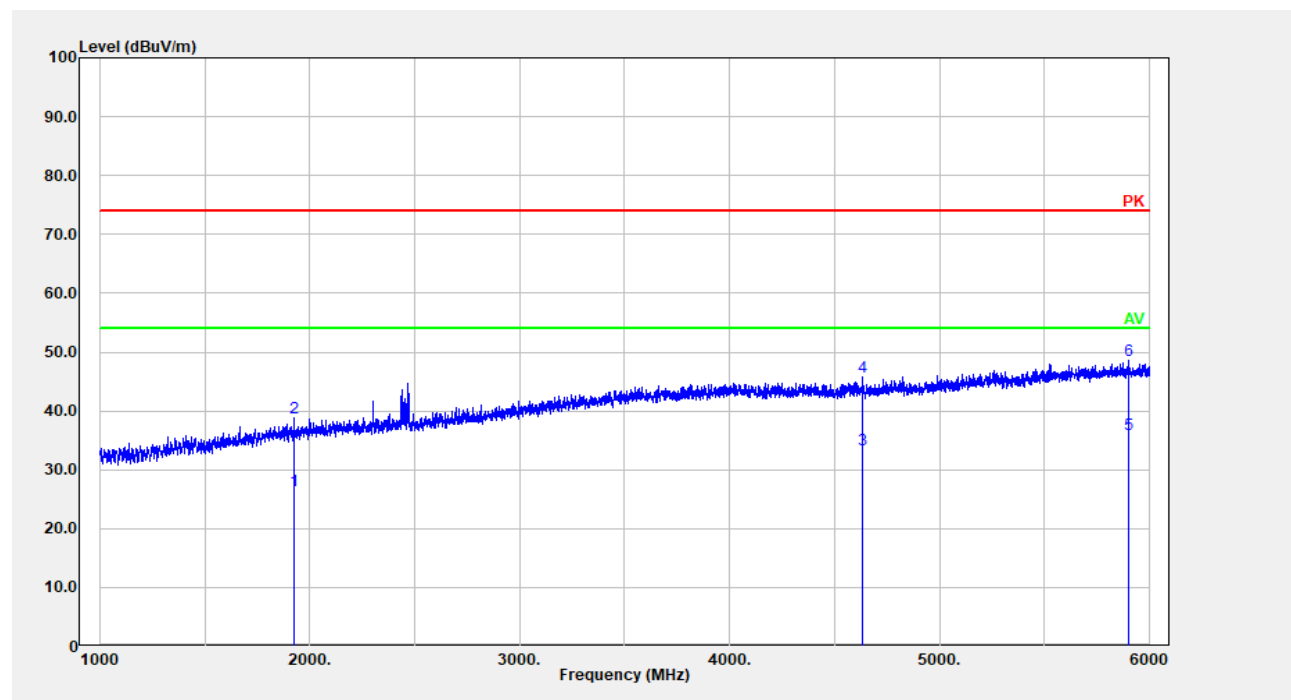
Vertical:

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	38.888	39.47	-10.63	28.84	40.00	11.16	Peak
2	52.025	47.86	-17.43	30.43	40.00	9.57	Peak
3	64.887	46.32	-17.17	29.15	40.00	10.85	Peak
4	123.266	42.74	-11.63	31.11	43.50	12.39	Peak
5	140.835	35.92	-12.18	23.74	43.50	19.76	Peak
6	195.137	39.64	-12.91	26.72	43.50	16.78	Peak

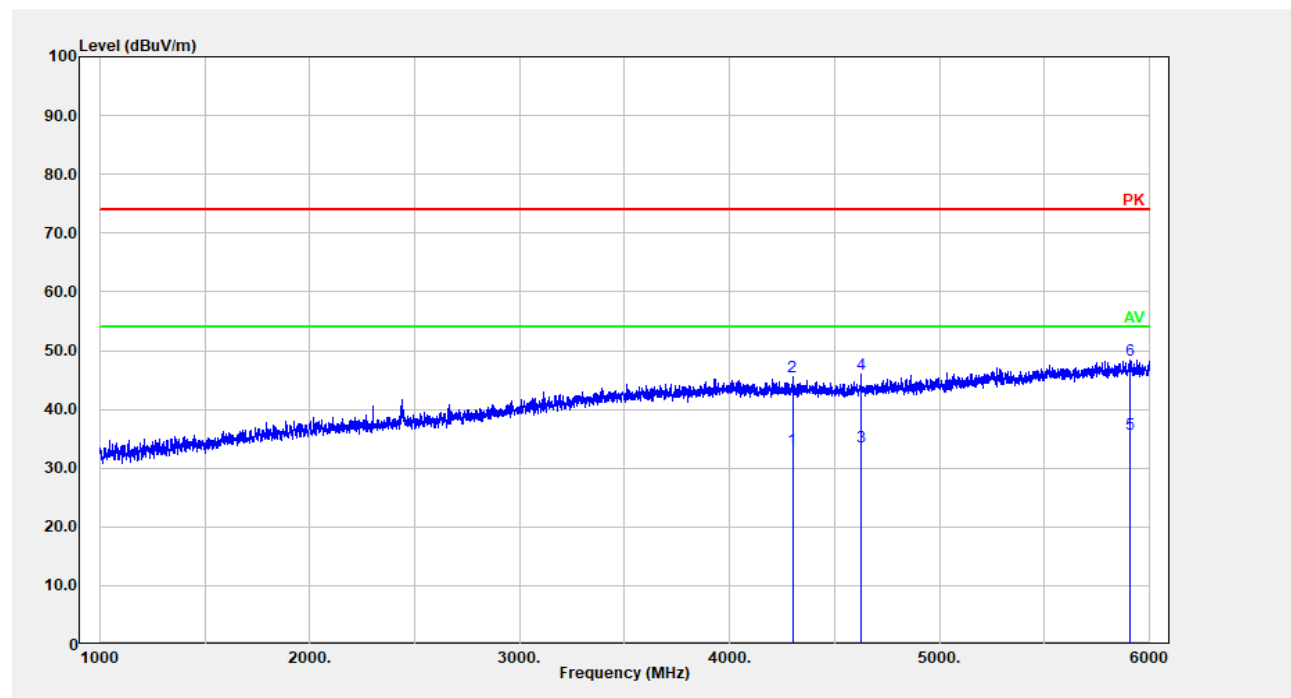
2) Above 1GHz

Adapter 1#:

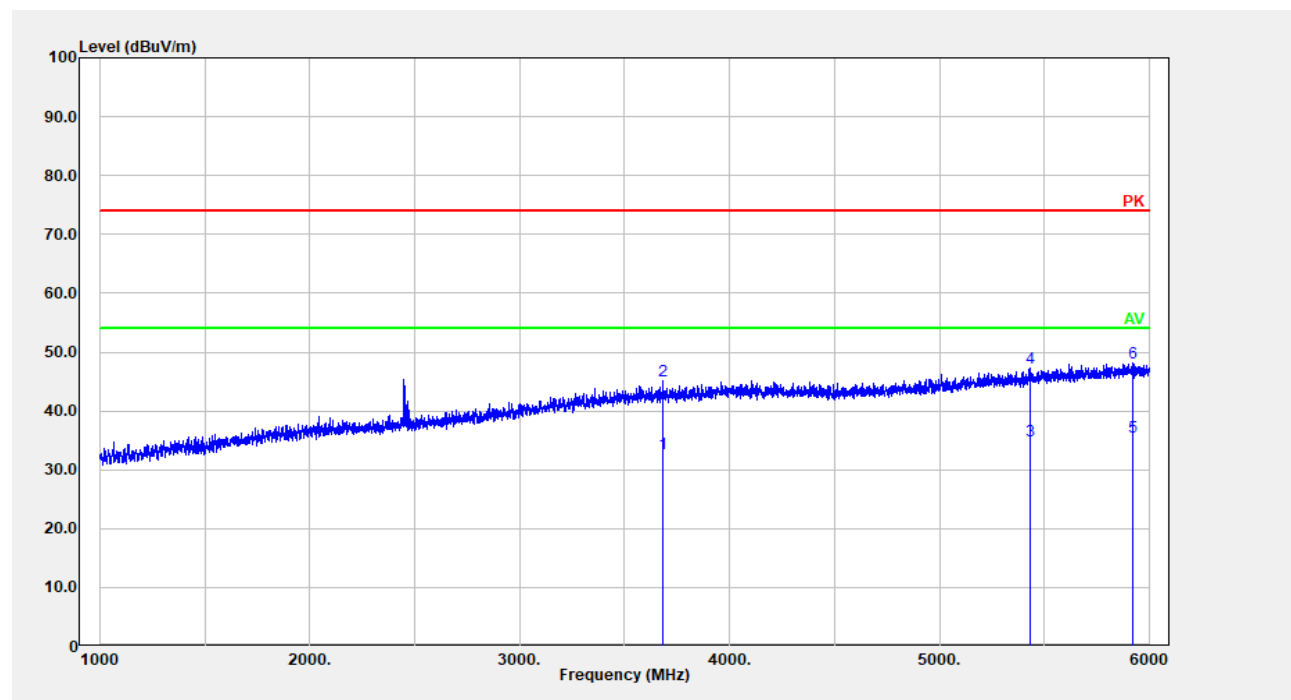
Horizontal:



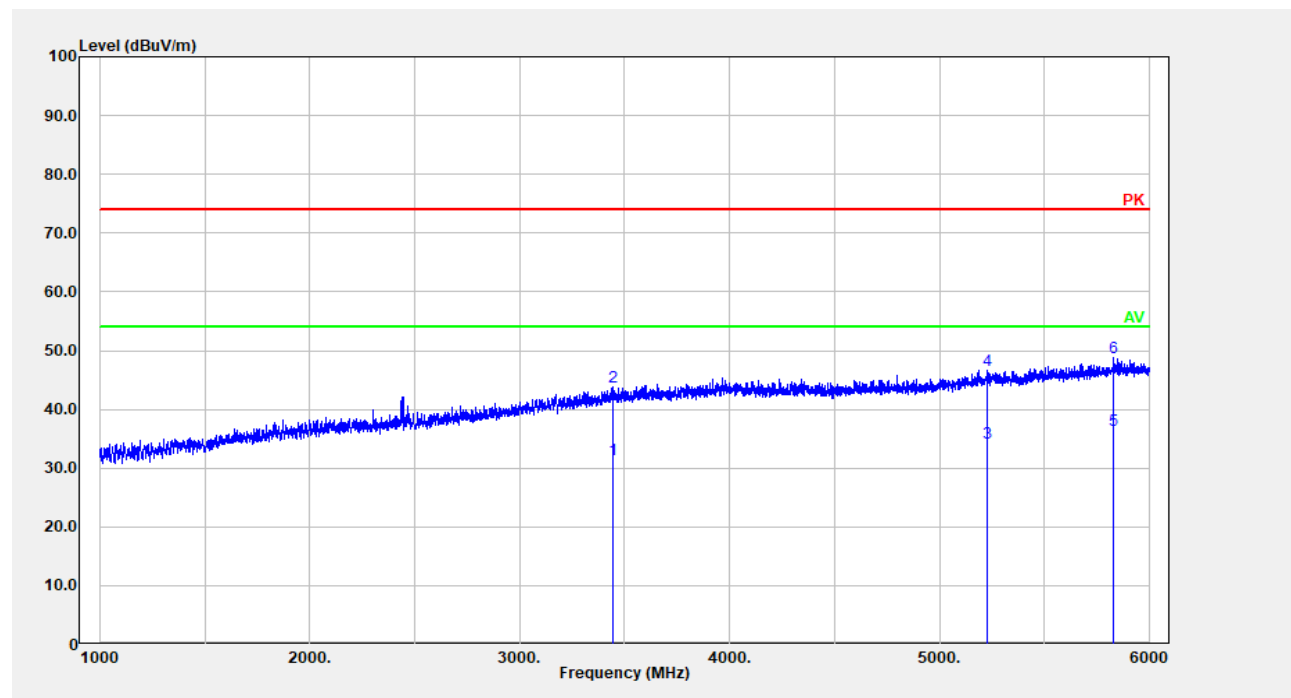
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1924.185	24.32	2.06	26.38	54.00	27.62	Average
2	1924.185	36.70	2.06	38.76	74.00	35.24	Peak
3	4632.727	23.10	10.20	33.30	54.00	20.70	Average
4	4632.727	35.57	10.20	45.77	74.00	28.23	Peak
5	5904.981	22.78	13.27	36.05	54.00	17.95	Average
6	5904.981	35.23	13.27	48.50	74.00	25.50	Peak

Vertical:

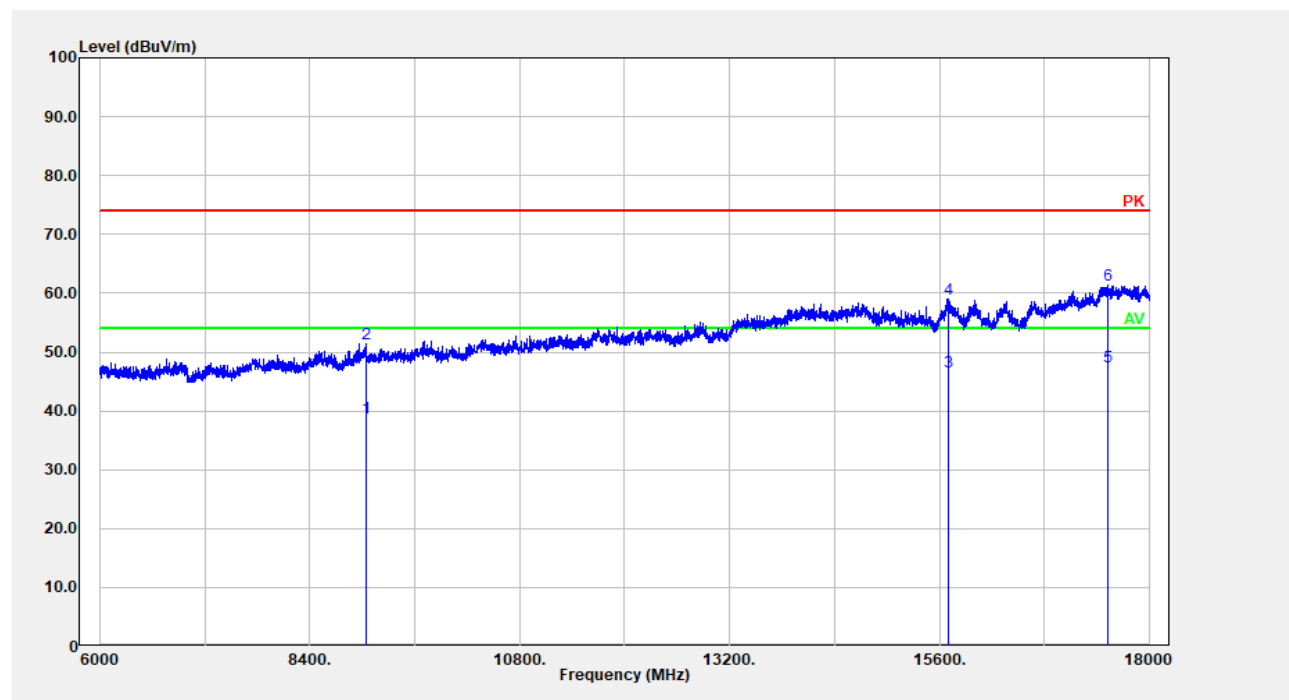
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4299.660	23.65	9.61	33.26	54.00	20.74	Average
2	4299.660	35.96	9.61	45.57	74.00	28.43	Peak
3	4626.726	23.49	10.19	33.68	54.00	20.32	Average
4	4626.726	35.80	10.19	45.99	74.00	28.01	Peak
5	5905.981	22.55	13.27	35.82	54.00	18.18	Average
6	5905.981	35.08	13.27	48.35	74.00	25.65	Peak

**Adapter 2#:
Horizontal:**

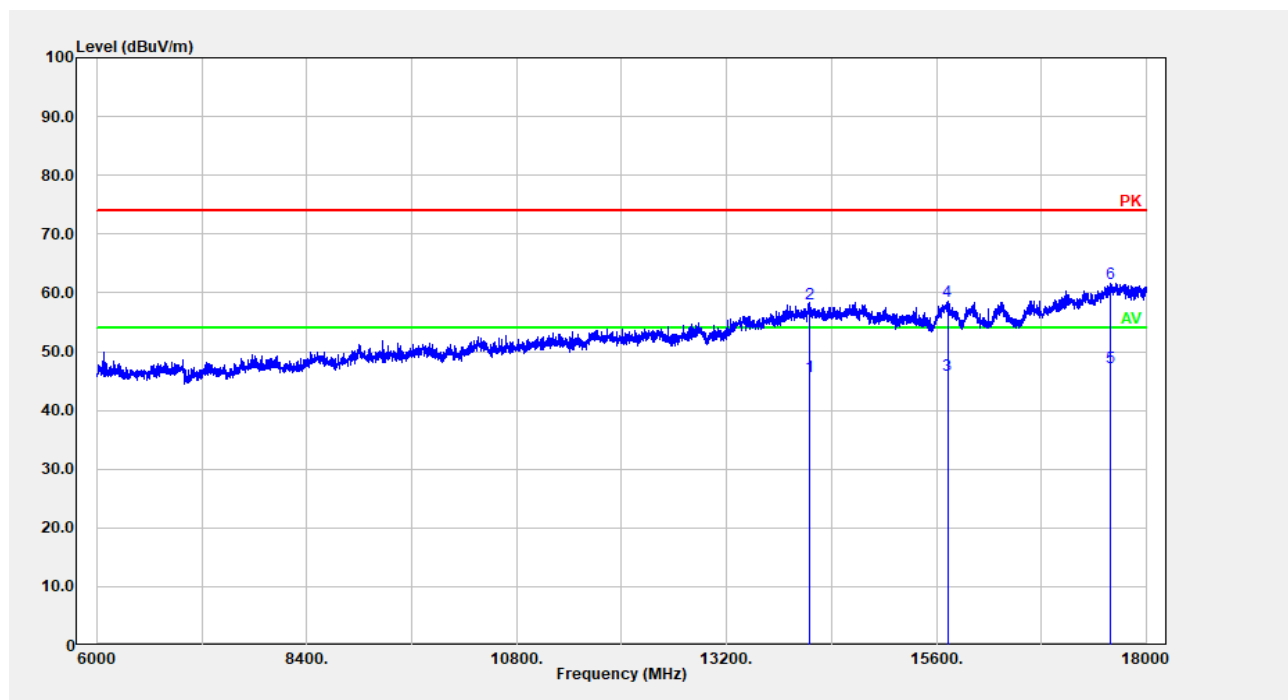
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3682.537	23.65	9.13	32.78	54.00	21.22	Average
2	3682.537	36.00	9.13	45.13	74.00	28.87	Peak
3	5431.886	22.43	12.39	34.82	54.00	19.18	Average
4	5431.886	34.94	12.39	47.33	74.00	26.67	Peak
5	5920.984	22.27	13.28	35.55	54.00	18.45	Average
6	5920.984	34.79	13.28	48.07	74.00	25.93	Peak

Vertical:

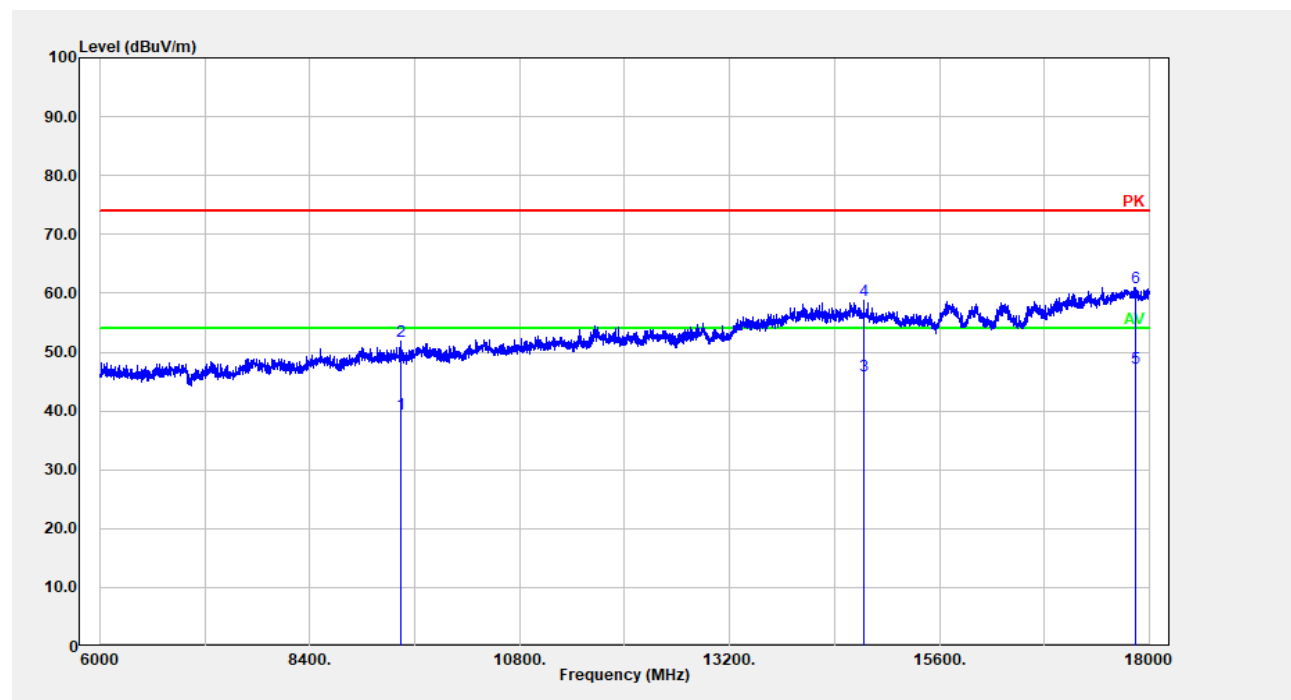
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3443.489	22.94	8.42	31.36	54.00	22.64	Average
2	3443.489	35.35	8.42	43.77	74.00	30.23	Peak
3	5226.845	22.38	11.87	34.25	54.00	19.75	Average
4	5226.845	34.86	11.87	46.73	74.00	27.27	Peak
5	5829.966	23.41	12.96	36.37	54.00	17.63	Average
6	5829.966	35.76	12.96	48.72	74.00	25.28	Peak

Adapter 1#:**Horizontal:**

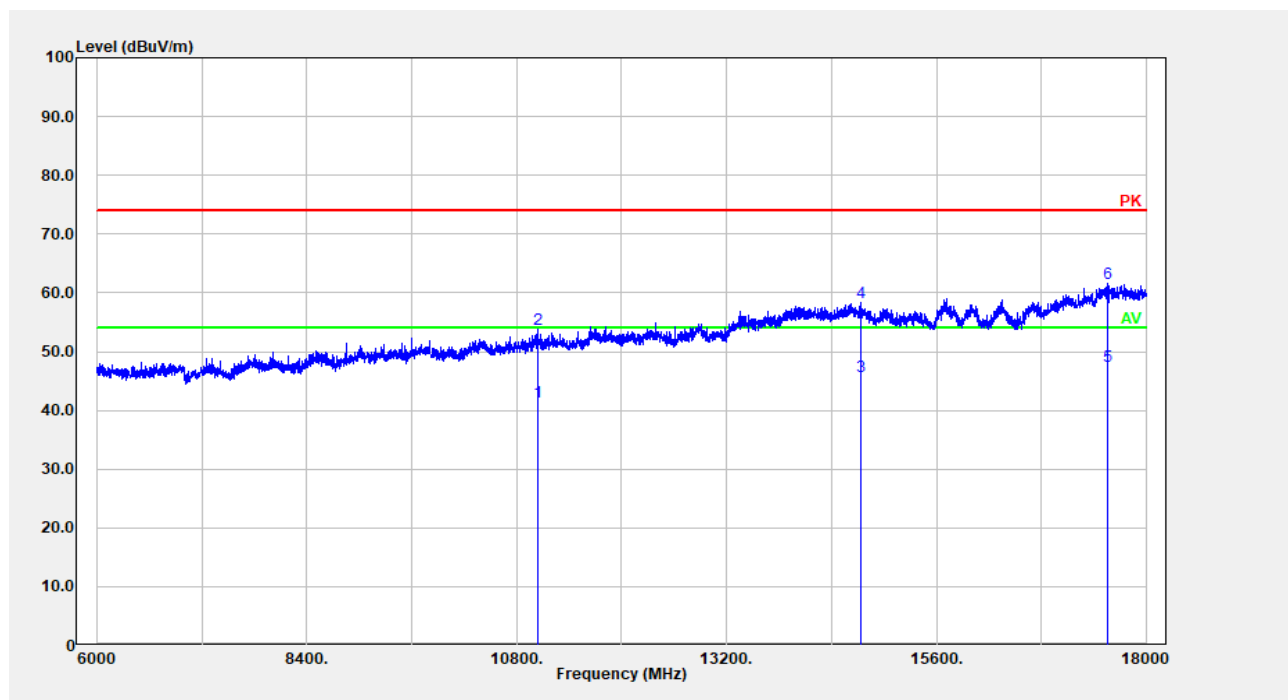
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	9036.607	21.80	17.11	38.91	54.00	15.09	Average
2	9036.607	34.29	17.11	51.40	74.00	22.60	Peak
3	15705.140	25.30	21.24	46.54	54.00	7.46	Average
4	15705.140	37.87	21.24	59.11	74.00	14.89	Peak
5	17531.910	19.25	28.27	47.52	54.00	6.48	Average
6	17531.910	33.14	28.27	61.41	74.00	12.59	Peak

Vertical:

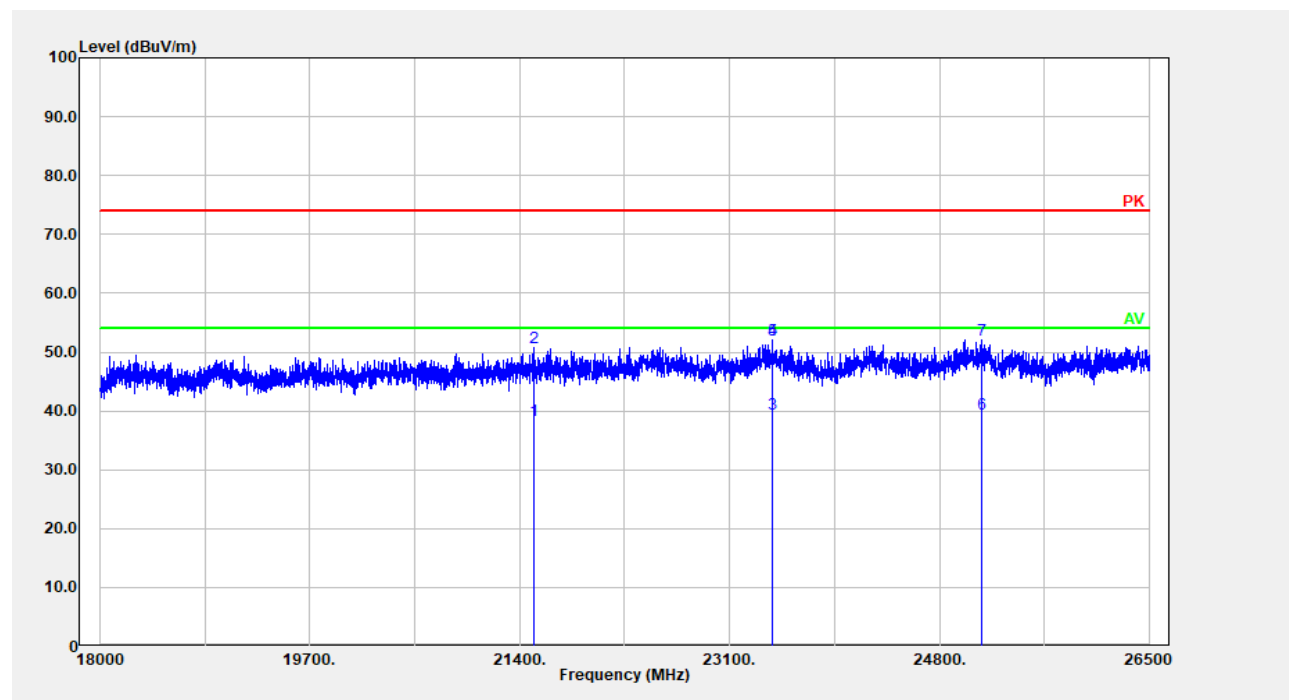
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	14142.430	21.88	23.99	45.87	54.00	8.13	Average
2	14142.430	34.25	23.99	58.24	74.00	15.76	Peak
3	15726.750	24.83	21.25	46.08	54.00	7.92	Average
4	15726.750	37.36	21.25	58.61	74.00	15.39	Peak
5	17591.920	19.26	28.01	47.27	54.00	6.73	Average
6	17591.920	33.68	28.01	61.69	74.00	12.31	Peak

Adapter 2#:**Horizontal:**

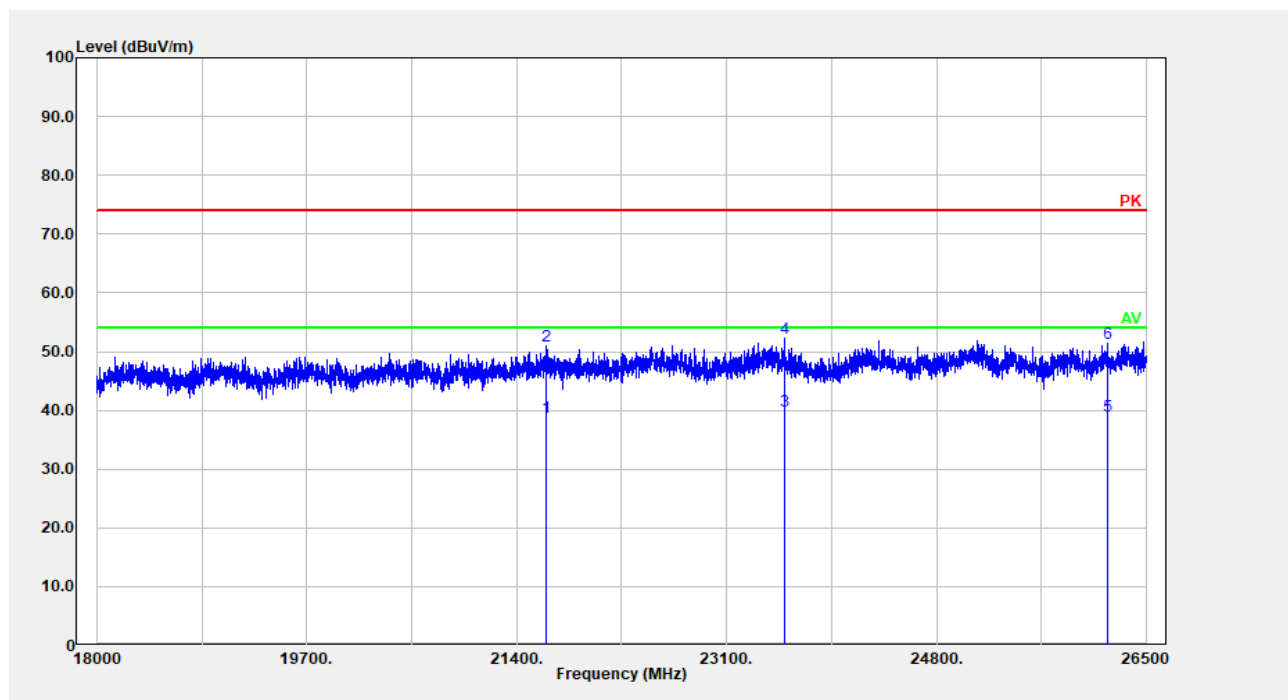
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	9437.487	21.85	17.63	39.48	54.00	14.52	Average
2	9437.487	34.21	17.63	51.84	74.00	22.16	Peak
3	14737.750	22.05	24.04	46.09	54.00	7.91	Average
4	14737.750	34.72	24.04	58.76	74.00	15.24	Peak
5	17851.170	17.21	30.16	47.37	54.00	6.63	Average
6	17851.170	30.90	30.16	61.06	74.00	12.94	Peak

Vertical:

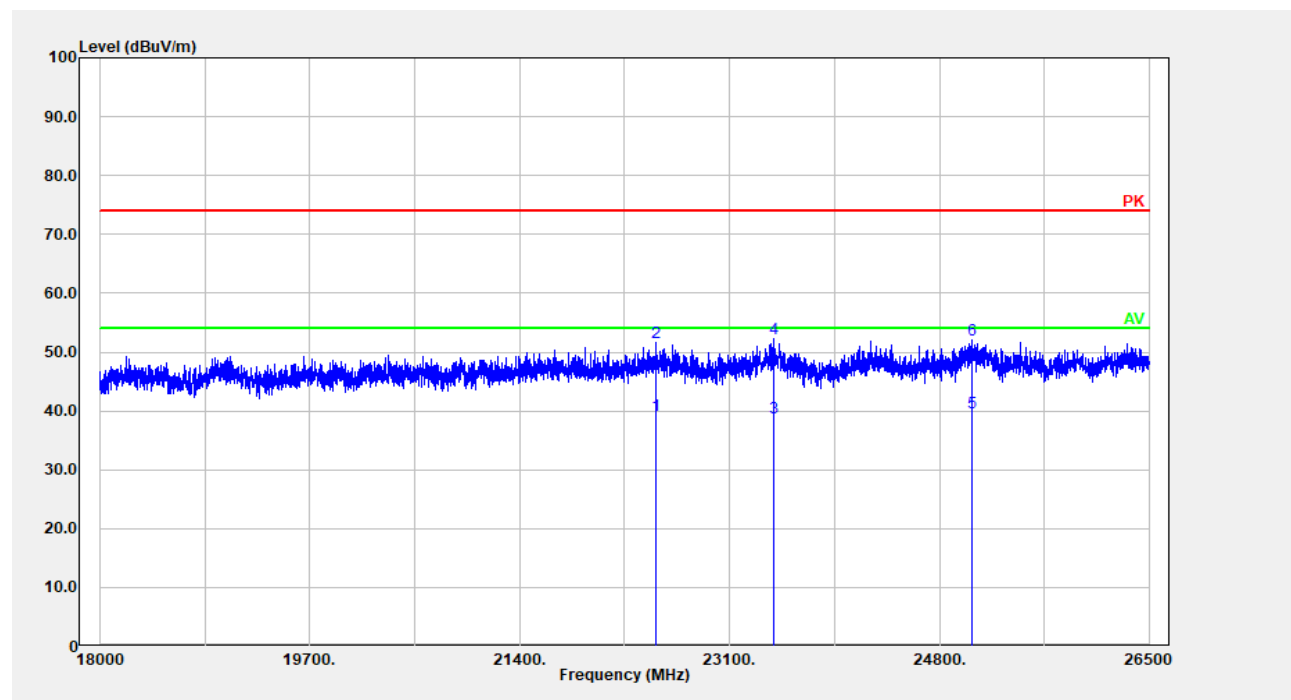
No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	11033.810	22.04	19.32	41.36	54.00	12.64	Average
2	11033.810	34.37	19.32	53.69	74.00	20.31	Peak
3	14735.350	21.70	24.04	45.74	54.00	8.26	Average
4	14735.350	34.23	24.04	58.27	74.00	15.73	Peak
5	17560.710	19.40	28.15	47.55	54.00	6.45	Average
6	17560.710	33.43	28.15	61.58	74.00	12.42	Peak

Adapter 1#:**Horizontal:**

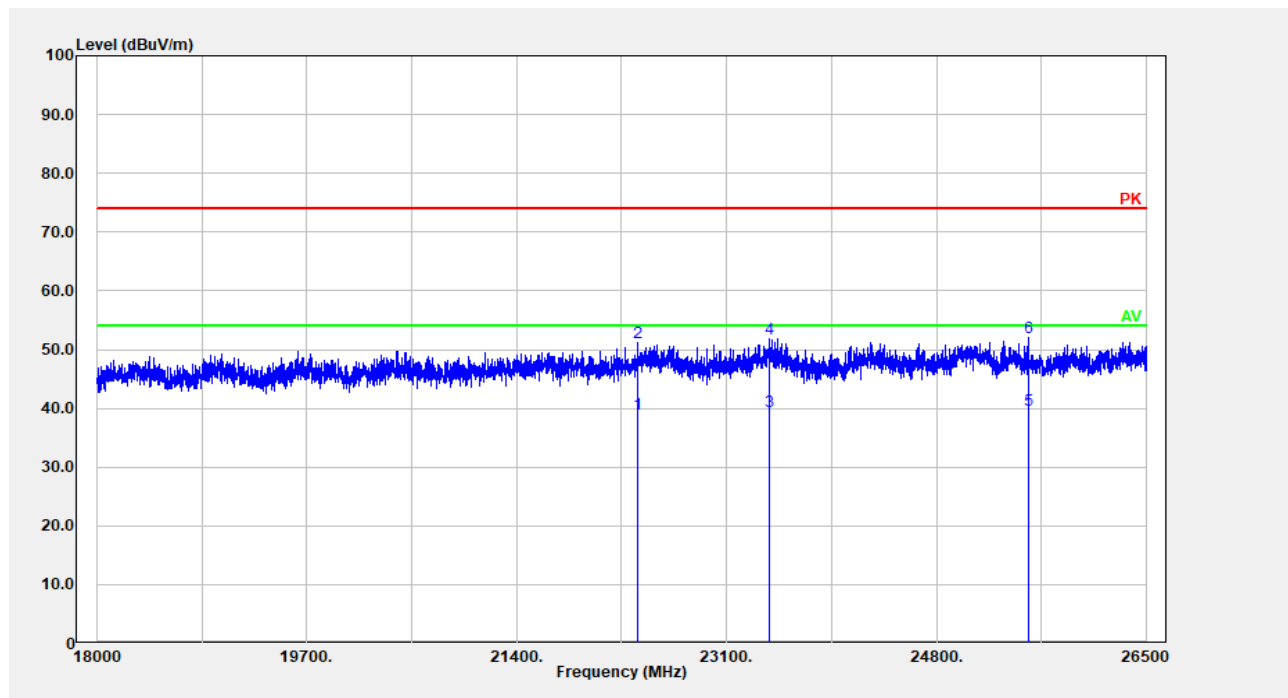
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	21509.500	29.50	8.80	38.30	54.00	15.70	Average
2	21509.500	41.93	8.80	50.73	74.00	23.27	Peak
3	23449.590	28.29	11.24	39.53	54.00	14.47	Average
4	23449.590	40.74	11.24	51.98	74.00	22.02	Peak
5	23449.590	40.74	11.24	51.98	74.00	22.02	Peak
6	25144.830	26.42	13.07	39.49	54.00	14.51	Average

Vertical:

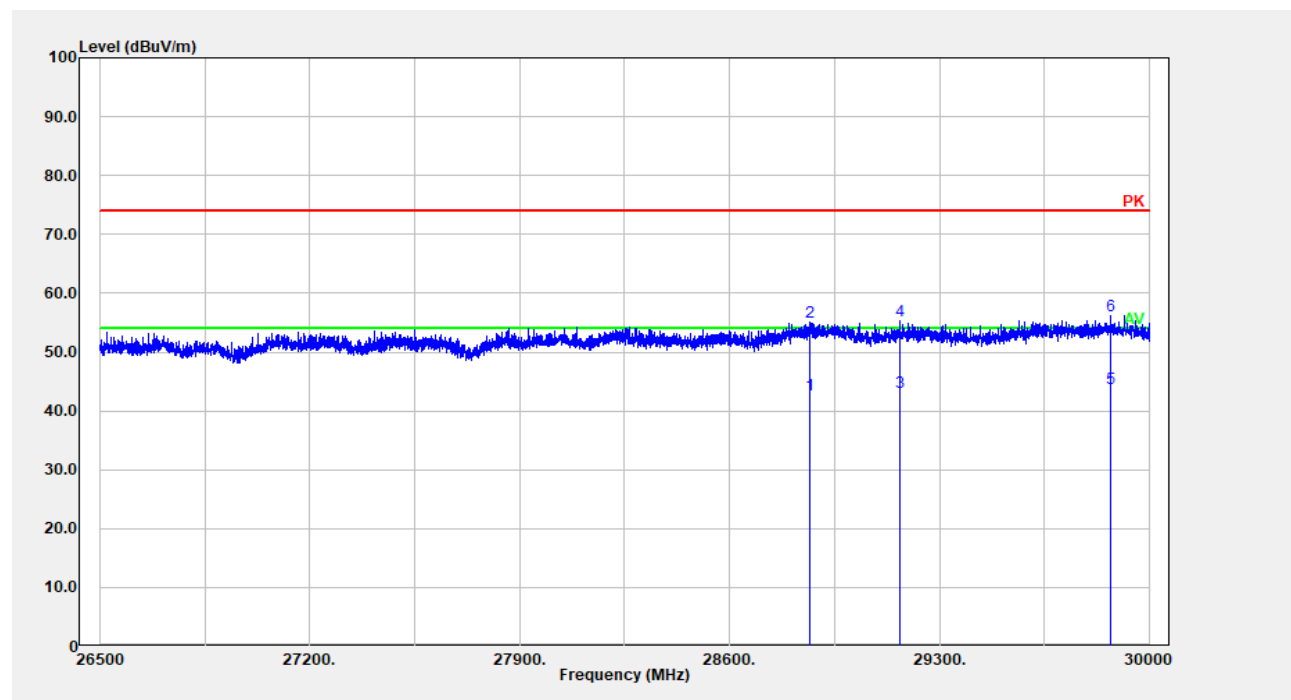
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	21633.630	30.10	8.75	38.85	54.00	15.15	Average
2	21633.630	42.33	8.75	51.08	74.00	22.92	Peak
3	23565.210	28.93	11.02	39.95	54.00	14.05	Average
4	23565.210	41.26	11.02	52.28	74.00	21.72	Peak
5	26187.140	26.01	12.96	38.97	54.00	15.03	Average
6	26187.140	38.36	12.96	51.32	74.00	22.68	Peak

Adapter 2#:**Horizontal:**

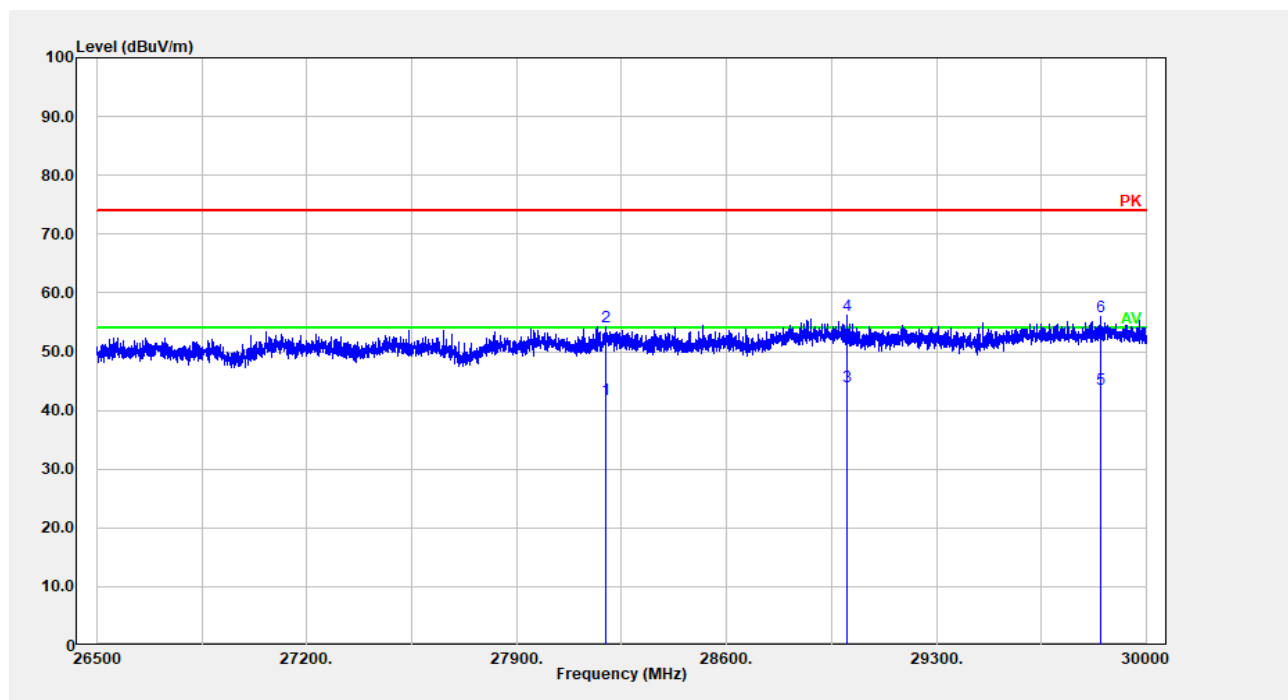
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	22502.500	28.03	11.23	39.26	54.00	14.74	Average
2	22502.500	40.45	11.23	51.68	74.00	22.32	Peak
3	23461.490	27.63	11.28	38.91	54.00	15.09	Average
4	23461.490	40.92	11.28	52.20	74.00	21.80	Peak
5	25059.810	27.22	12.46	39.68	54.00	14.32	Average
6	25059.810	39.61	12.46	52.07	74.00	21.93	Peak

Vertical:

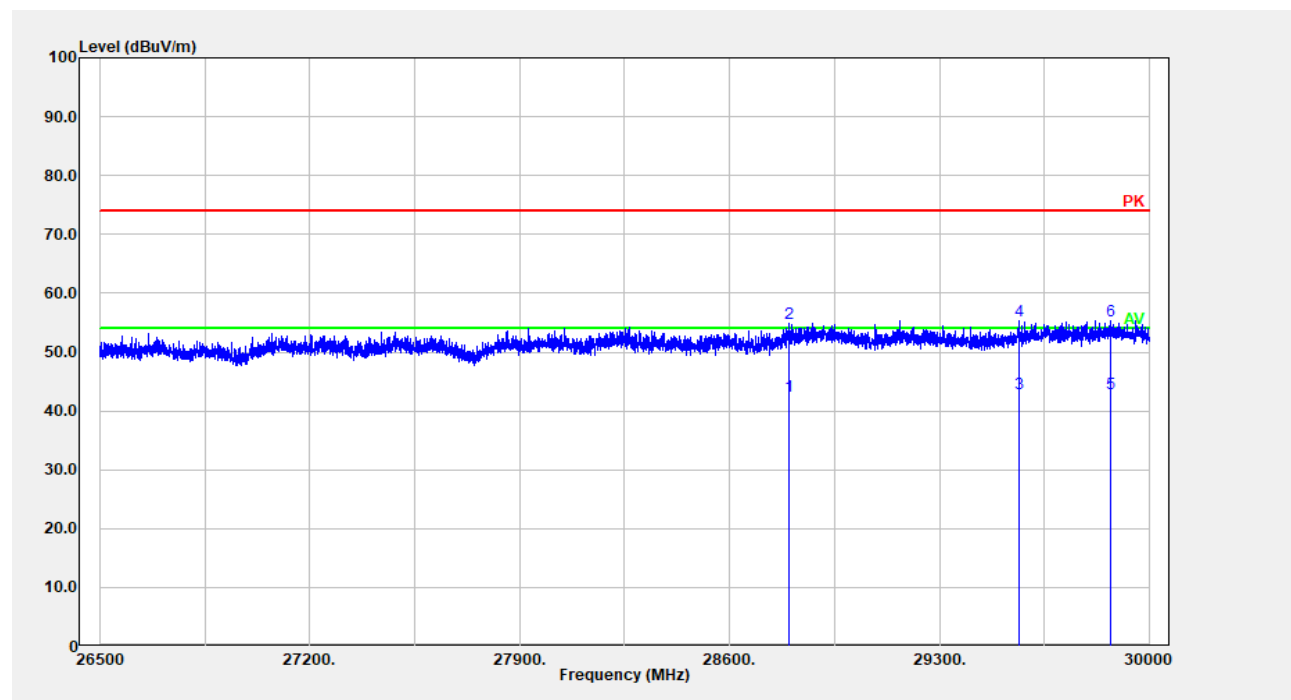
No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	22378.380	29.13	9.83	38.96	54.00	15.04	Average
2	22378.380	41.40	9.83	51.23	74.00	22.77	Peak
3	23446.190	28.16	11.24	39.40	54.00	14.60	Average
4	23446.190	40.67	11.24	51.91	74.00	22.09	Peak
5	25549.510	28.04	11.55	39.59	54.00	14.41	Average
6	25549.510	40.58	11.55	52.13	74.00	21.87	Peak

Adapter 1#:**Horizontal:**

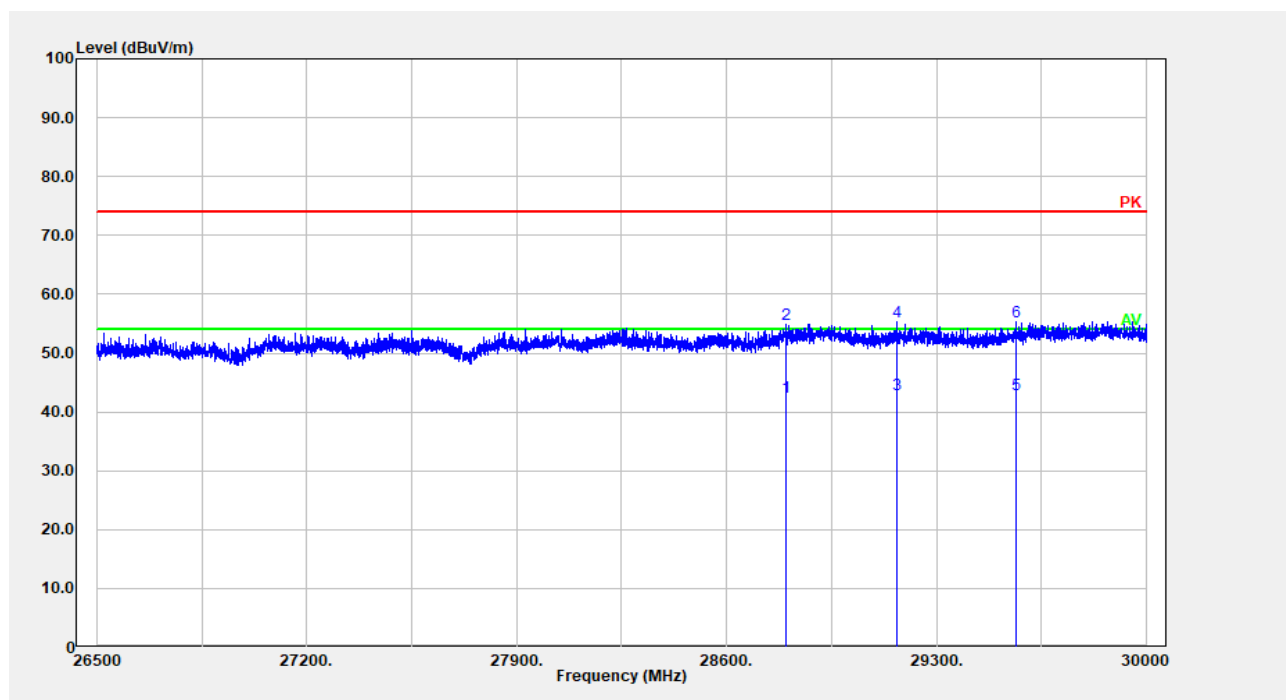
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	28867.170	27.95	14.87	42.82	54.00	11.18	Average
2	28867.170	40.32	14.87	55.19	74.00	18.81	Peak
3	29166.130	29.20	13.93	43.13	54.00	10.87	Average
4	29166.130	41.44	13.93	55.37	74.00	18.63	Peak
5	29873.280	29.35	14.54	43.89	54.00	10.11	Average
6	29873.280	41.60	14.54	56.14	74.00	17.86	Peak

Vertical:

No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	28195.040	27.86	13.96	41.82	54.00	12.18	Average
2	28195.040	40.30	13.96	54.26	74.00	19.74	Peak
3	29003.700	29.43	14.58	44.01	54.00	9.99	Average
4	29003.700	41.71	14.58	56.29	74.00	17.71	Peak
5	29845.970	28.99	14.67	43.66	54.00	10.34	Average
6	29845.970	41.30	14.67	55.97	74.00	18.03	Peak

Adapter 2#:**Horizontal:**

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	28797.860	27.45	15.01	42.46	54.00	11.54	Average
2	28797.860	39.85	15.01	54.86	74.00	19.14	Peak
3	29565.910	28.27	14.59	42.86	54.00	11.14	Average
4	29565.910	40.75	14.59	55.34	74.00	18.66	Peak
5	29873.280	28.46	14.54	43.00	54.00	11.00	Average
6	29873.280	40.84	14.54	55.38	74.00	18.62	Peak

Vertical:

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	28797.860	27.59	15.01	42.60	54.00	11.40	Average
2	28797.860	39.85	15.01	54.86	74.00	19.14	Peak
3	29166.130	29.12	13.93	43.05	54.00	10.95	Average
4	29166.130	41.44	13.93	55.37	74.00	18.63	Peak
5	29565.910	28.26	14.59	42.85	54.00	11.15	Average
6	29565.910	40.75	14.59	55.34	74.00	18.66	Peak

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