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

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **8devices**

Address: FCC:Antakalnio 17 - 6 Vilnius Lithuania
IC: Antakalnio g. 17-6 Vilnius Vilnius County LT-10312 Lithuania

FCC ID: **Z9WMAN**
Product Name: **Mango**

Model Number: **Mango**

Standard(s): **FCC Part 15B**
ICES-003, ISSUE 7, OCTOBER 2020
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: **CR22010029-00C**

Date Of Issue: **2022-06-03**

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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CONTENTS

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Mango
EUT Model:	Mango
Highest Operation Frequency:	5825 MHz
Rated Input Voltage:	DC 3.3V
Serial Number:	CR22010029-RF-S1(Chip Antenna) CR22010029-RF-S2(Whip Antenna)
EUT Received Date:	2022.1.19
EUT Received Status:	Good

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 Typical Use Mode, which was provided by the manufacturer. Test Mode: operating
Equipment Modifications:	No
EUT Exercise Software:	PUTTY
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:	

1.2.2 Support Equipment List and Details

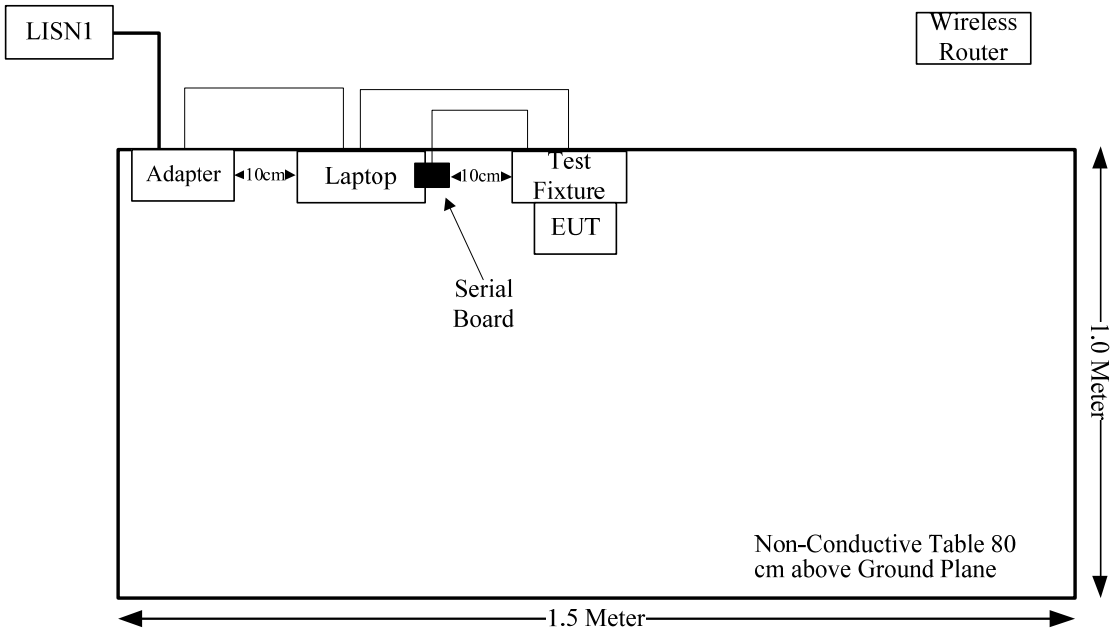
Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	E480	PF-1QQYYP 19/06
TOTO LINK	Wireless Router	X5000R	X5000RK9T0560
8devices	Test Fixture	Unknown	CR22010029-RF-S4
Unknown	Serial Board	Unknown	CR22010029-RF-S3

1.2.3 Support Cable List and Details

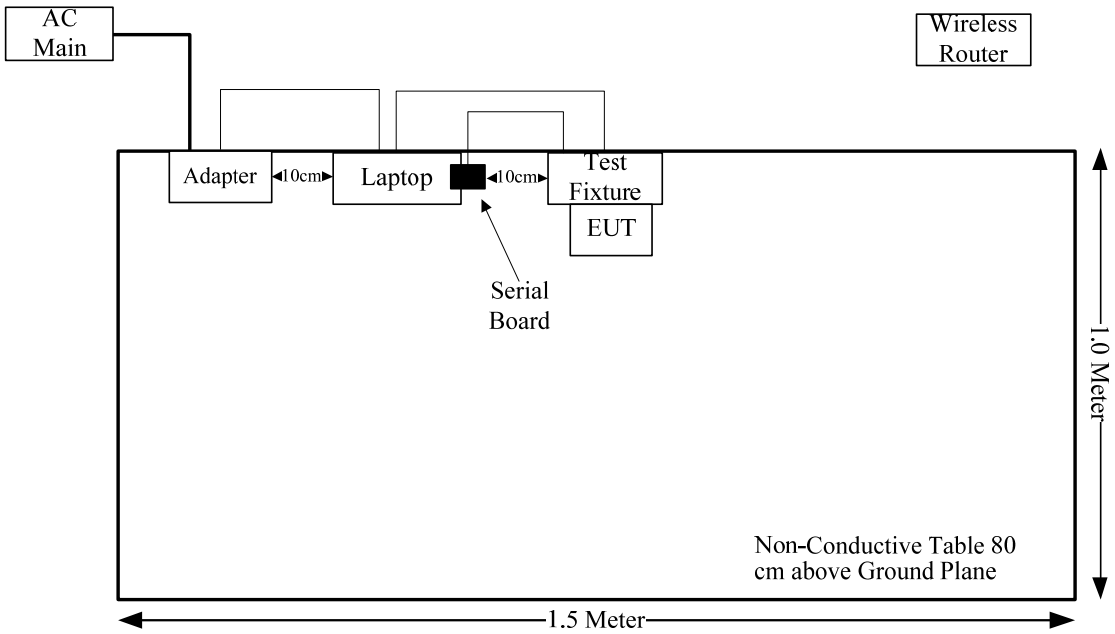
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Signal Cable	No	No	0.4	Serial Board	Test Fixture
USB Cable	No	No	1.5	Laptop	Test Fixture

1.2.4 Block Diagram of Test Setup

AC line conducted emissions:



Spurious 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	±1℃
Humidity	±5%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

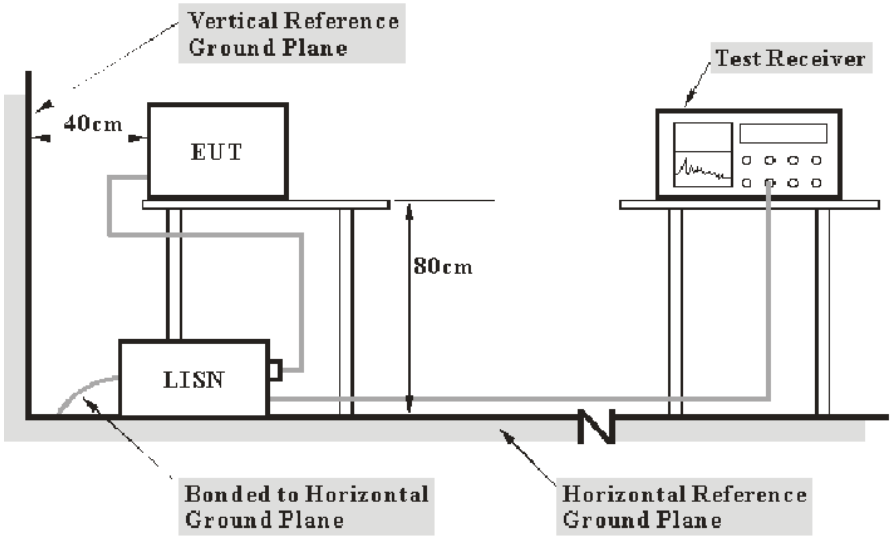
2. SUMMARY OF TEST RESULTS

Standard Clause	Description of Test	Test Result
FCC§15.107 ICES-003§3.2.1	Conducted emissions	Compliance
FCC§15.109 ICES-003§3.2.2	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 and Innovation, Science and Economic Development Canada ICES-003 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

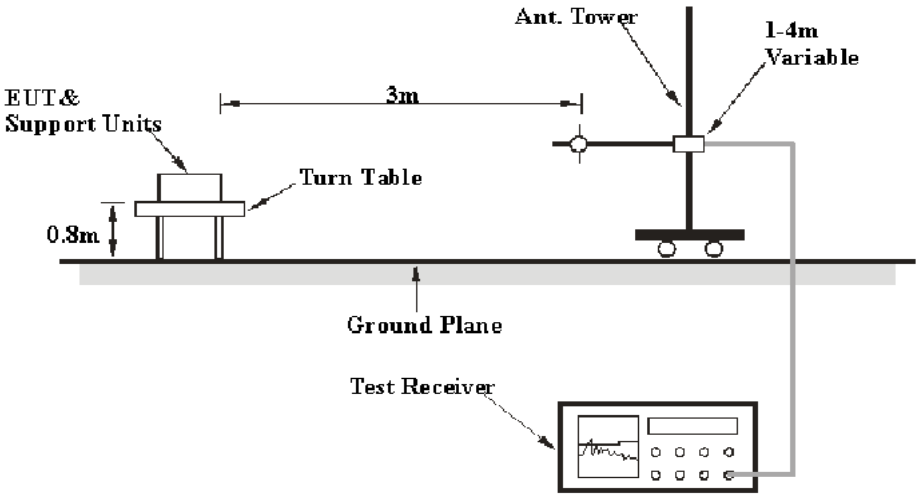
The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

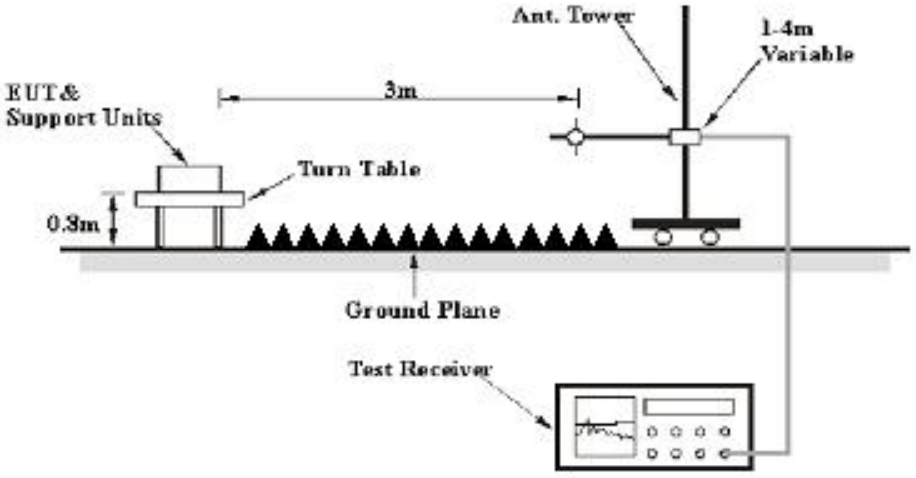
3.2 Radiation Spurious Emissions

3.2.1 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission were performed in the 3 meters, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 and ICES-003 Class B limits.

3.2.2 EMI Test Receiver Setup

The system was investigated from 30 MHz to 30GHz.

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:	CR22010029-RF-S1	Test Date:	2022-04-18
Test Site:	CE	Test Mode:	operation
Tester:	Nick Tang	Test Result:	Pass

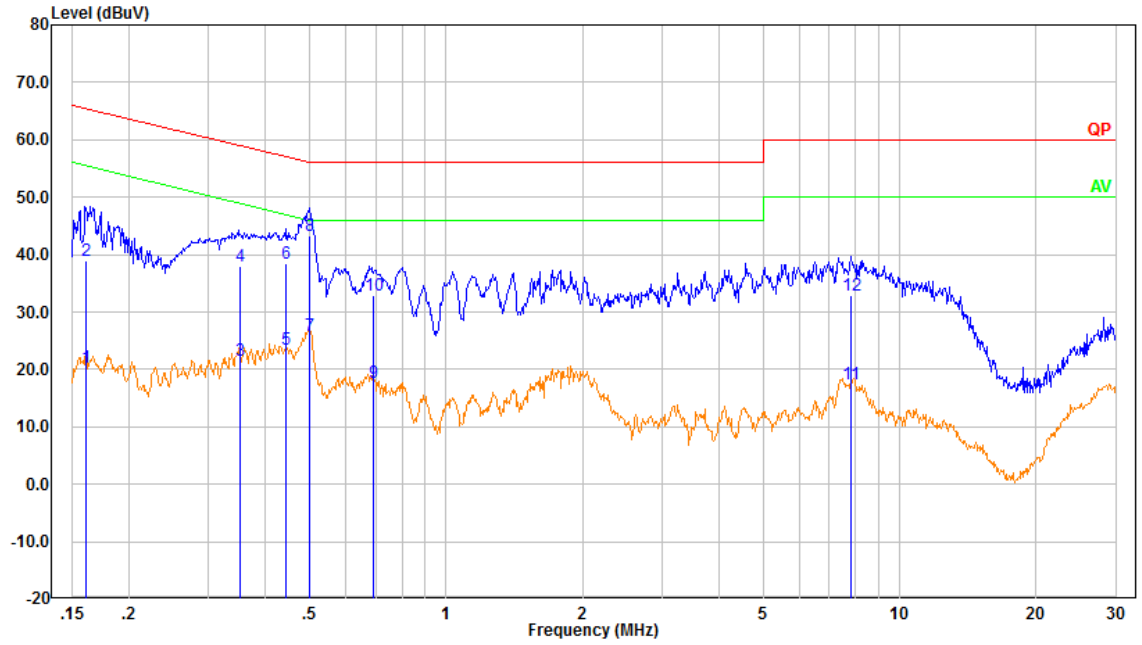
Environmental Conditions:					
Temperature: (℃)	19.9	Relative Humidity: (%)	70	ATM Pressure: (kPa)	101.0

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	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

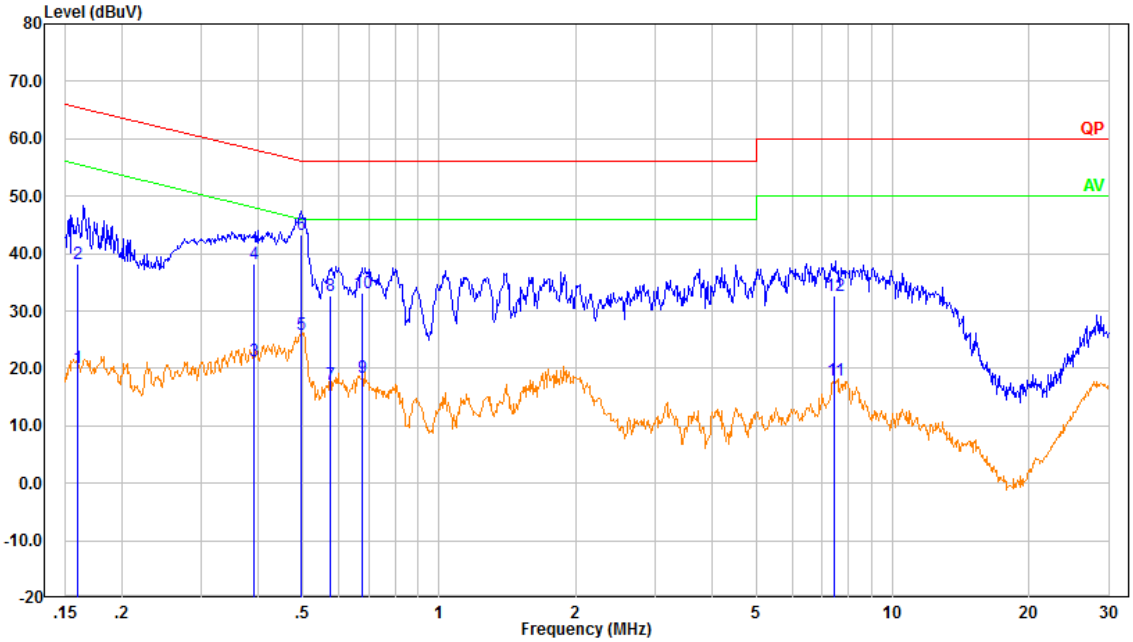
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Line:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.161	10.69	9.61	20.30	55.41	35.11	Average
2	0.161	29.43	9.61	39.04	65.41	26.37	QP
3	0.352	11.93	9.61	21.54	48.91	27.37	Average
4	0.352	28.34	9.61	37.95	58.91	20.96	QP
5	0.445	13.93	9.61	23.54	46.96	23.42	Average
6	0.445	28.83	9.61	38.44	56.96	18.52	QP
7	0.499	16.35	9.61	25.96	46.01	20.05	Average
8	0.499	33.72	9.61	43.33	56.01	12.68	QP
9	0.691	7.95	9.62	17.57	46.00	28.43	Average
10	0.691	23.23	9.62	32.85	56.00	23.15	QP
11	7.819	7.76	9.67	17.43	50.00	32.57	Average
12	7.819	23.30	9.67	32.97	60.00	27.03	QP

Neutral:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.160	10.41	9.61	20.02	55.46	35.44	Average
2	0.160	28.56	9.61	38.17	65.46	27.29	QP
3	0.391	11.74	9.61	21.35	48.05	26.70	Average
4	0.391	28.58	9.61	38.19	58.05	19.86	QP
5	0.497	16.40	9.61	26.01	46.05	20.04	Average
6	0.497	33.68	9.61	43.29	56.05	12.76	QP
7	0.576	7.53	9.62	17.15	46.00	28.85	Average
8	0.576	23.13	9.62	32.75	56.00	23.25	QP
9	0.677	8.81	9.62	18.43	46.00	27.57	Average
10	0.677	23.51	9.62	33.13	56.00	22.87	QP
11	7.449	8.14	9.66	17.81	50.00	32.19	Average
12	7.449	23.05	9.66	32.71	60.00	27.29	QP

4.2 Radiation Spurious Emissions

Serial Number:	CR22010029-RF-S1 CR22010029-RF-S2	Test Date:	2022-02-23~2022-05-30
Test Site:	966-1, 966-2	Test Mode:	Operating
Tester:	Great Qiao	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	17.5~25.1	Relative Humidity: (%)	53~59	ATM Pressure: (kPa)	100~102.1

Test Equipment List and Details:

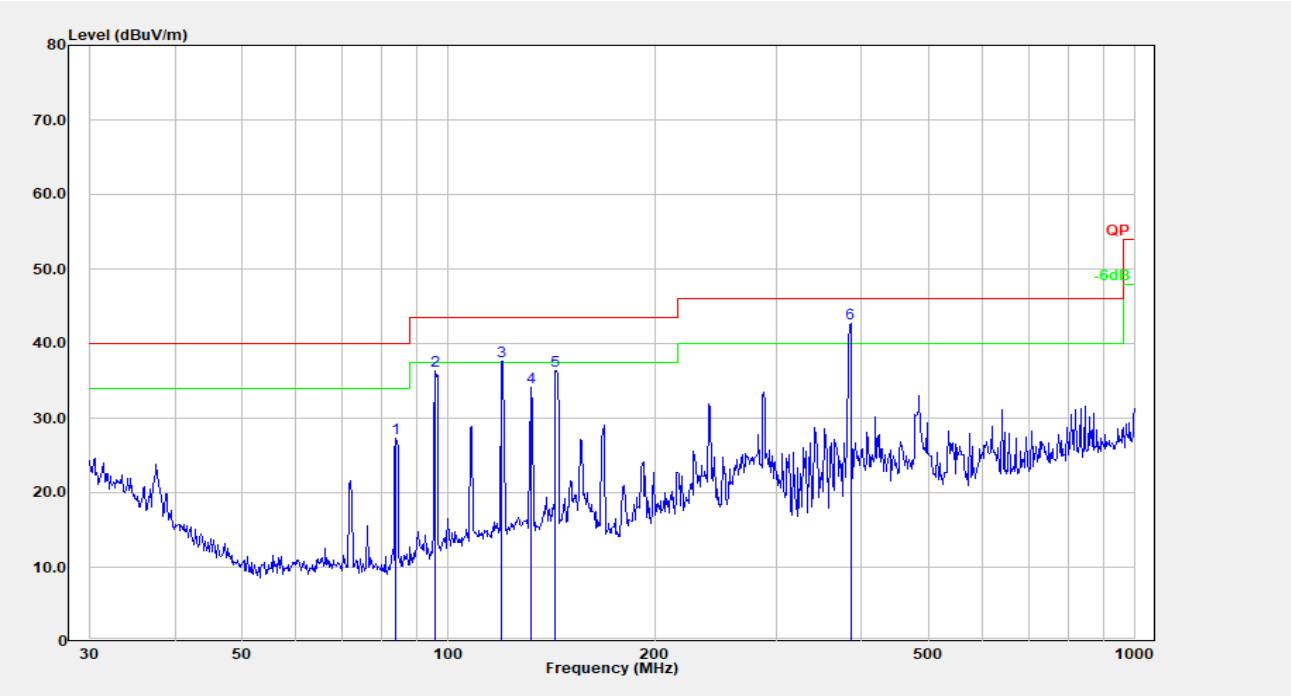
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020-10-13	2023-10-12
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2021-02-05	2024-02-04
PASTERNACK	Horn Antenna	PE9850/2F-20	072001	2021-02-05	2024-02-04
R&S	Spectrum Analyzer	FSV40	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
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
E-Microwave	Band Rejection Filter	5150-5850MHz	OE01902423	2021-08-08	2022-08-07
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

** 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:

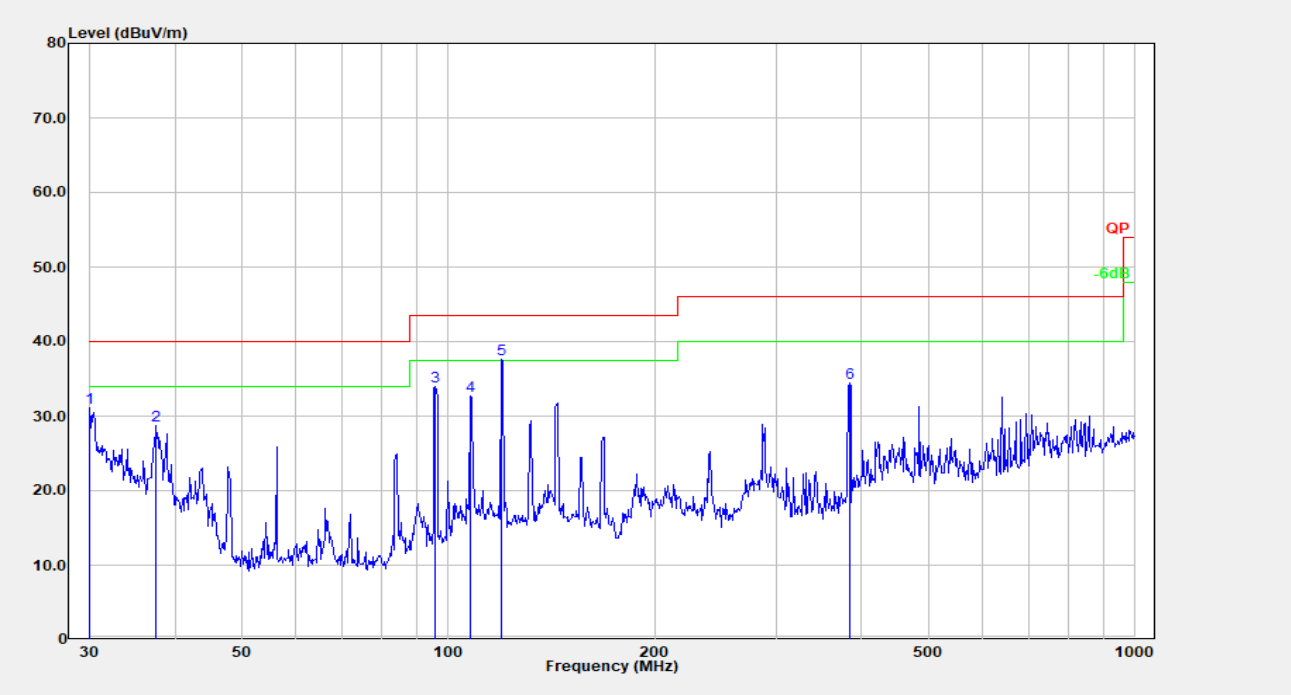
Chip Antenna:

Horizontal:



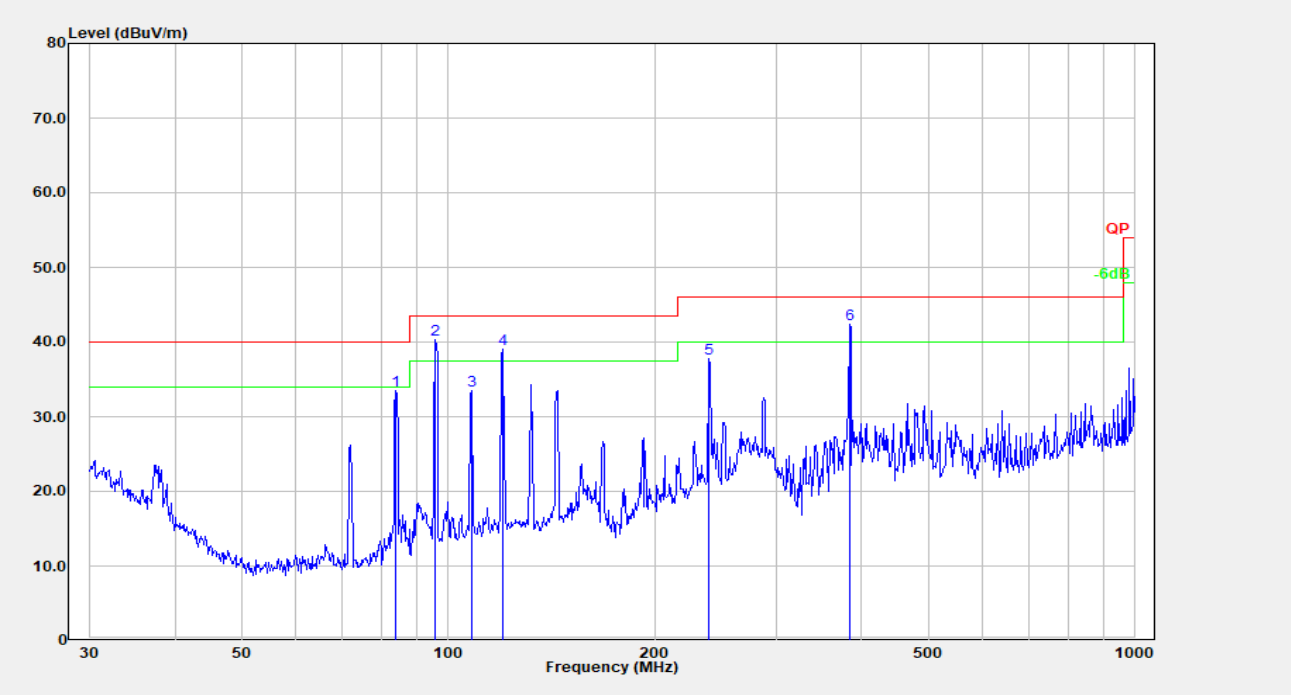
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	83.816	44.76	-17.49	27.27	40.00	12.73	Peak
2	95.762	51.98	-15.65	36.33	43.50	7.17	Peak
3	119.436	49.38	-11.79	37.59	43.50	5.91	QP
4	132.221	45.84	-11.68	34.17	43.50	9.33	Peak
5	143.326	48.56	-12.18	36.38	43.50	7.12	Peak
6	385.281	52.00	-9.23	42.76	46.00	3.24	QP

Vertical:



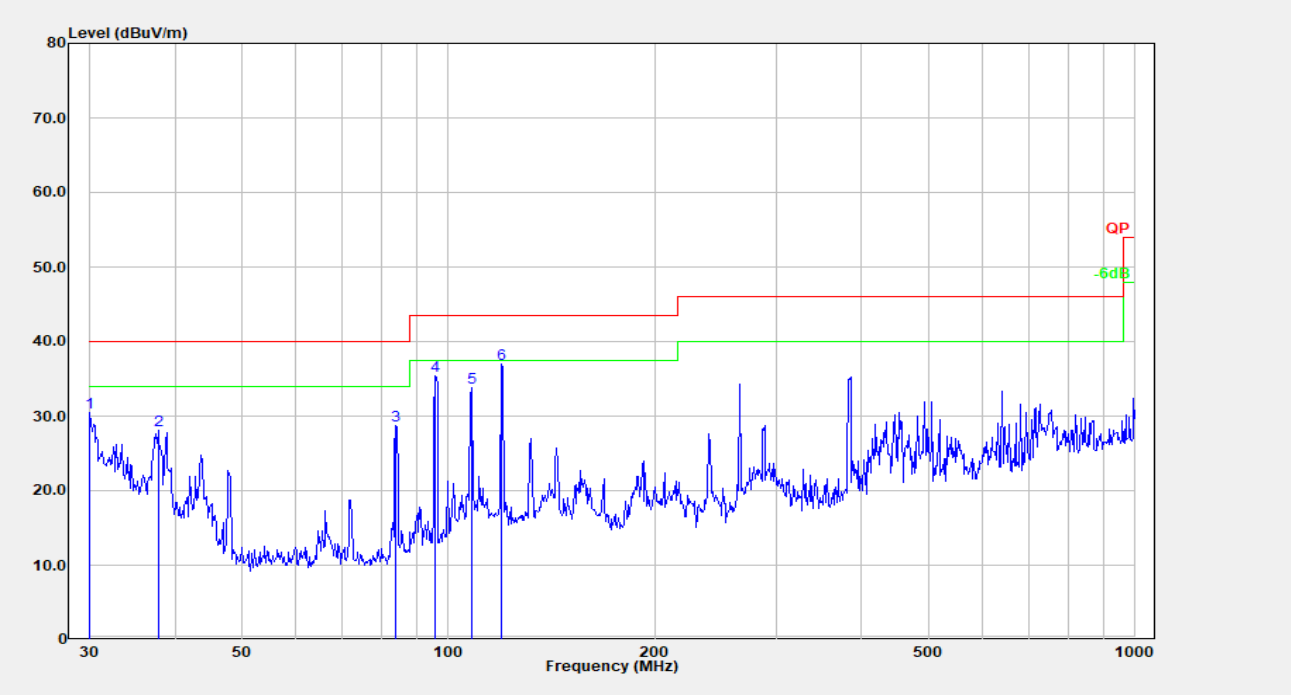
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.000	34.95	-3.79	31.16	40.00	8.84	Peak
2	37.548	38.37	-9.58	28.79	40.00	11.21	Peak
3	95.762	49.61	-15.65	33.96	43.50	9.54	Peak
4	107.510	45.76	-13.06	32.70	43.50	10.80	Peak
5	119.436	49.47	-11.79	37.68	43.50	5.82	QP
6	383.932	43.71	-9.26	34.45	46.00	11.55	Peak

Whip Antenna:
Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	83.816	51.04	-17.49	33.55	40.00	6.45	Peak
2	95.762	55.97	-15.65	40.32	43.50	3.18	QP
3	108.267	46.39	-12.91	33.48	43.50	10.02	Peak
4	120.277	50.73	-11.74	38.99	43.50	4.51	QP
5	239.987	50.87	-13.17	37.70	46.00	8.30	Peak
6	383.932	51.57	-9.26	42.31	46.00	3.69	QP

Vertical:

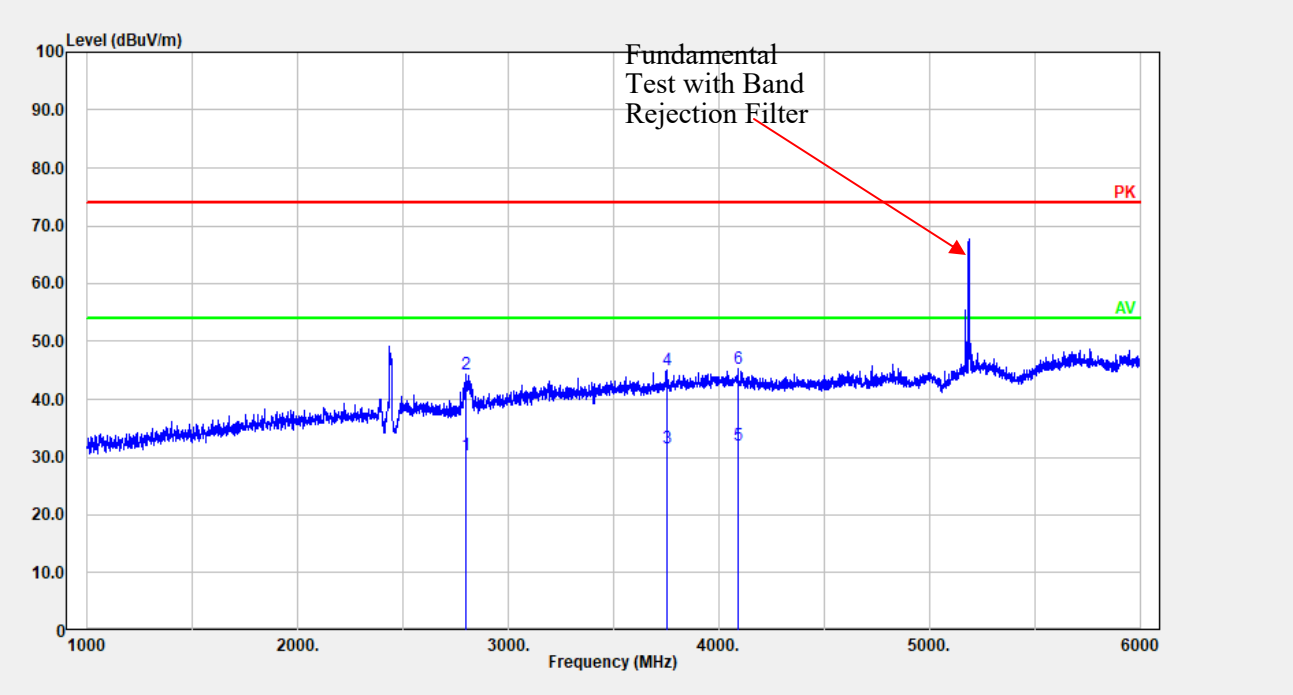


No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.000	34.24	-3.79	30.45	40.00	9.55	Peak
2	37.812	37.92	-9.77	28.14	40.00	11.86	Peak
3	83.816	46.18	-17.49	28.69	40.00	11.31	Peak
4	95.762	51.07	-15.65	35.42	43.50	8.08	Peak
5	108.267	46.73	-12.91	33.82	43.50	9.68	Peak
6	119.436	48.71	-11.79	36.92	43.50	6.58	Peak

2) 1GHz-30GHz:

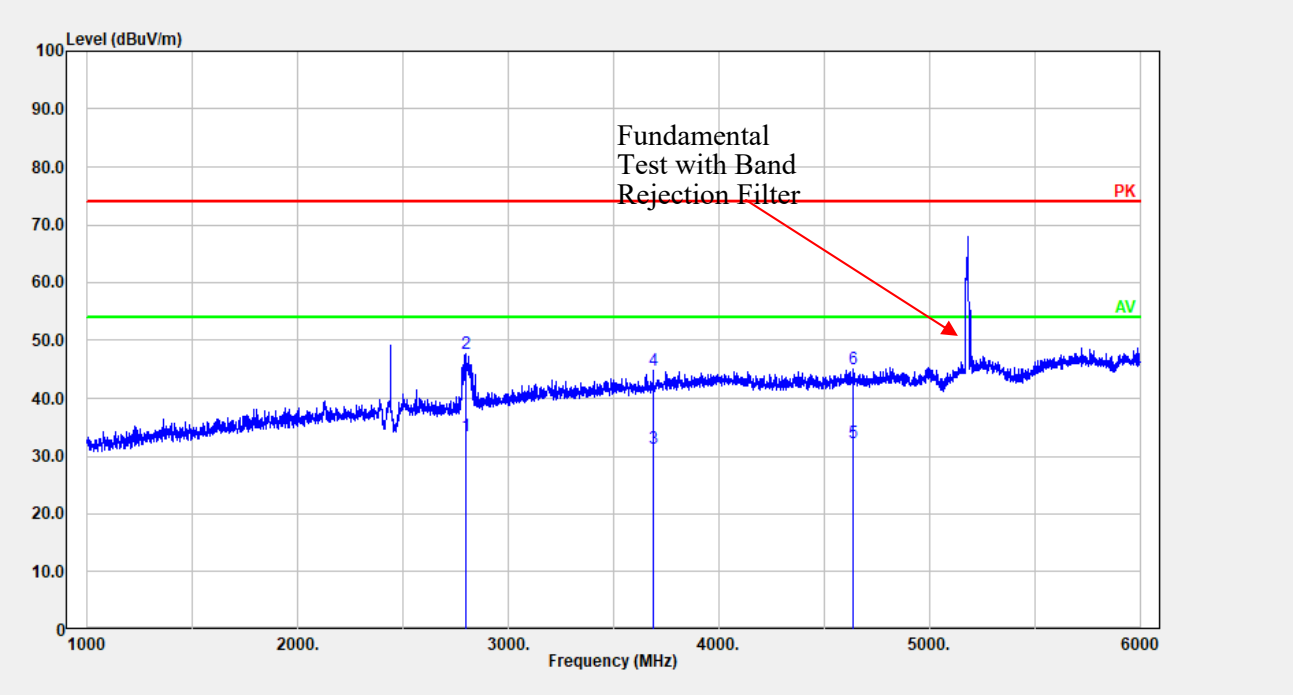
Chip Antenna:

Horizontal:



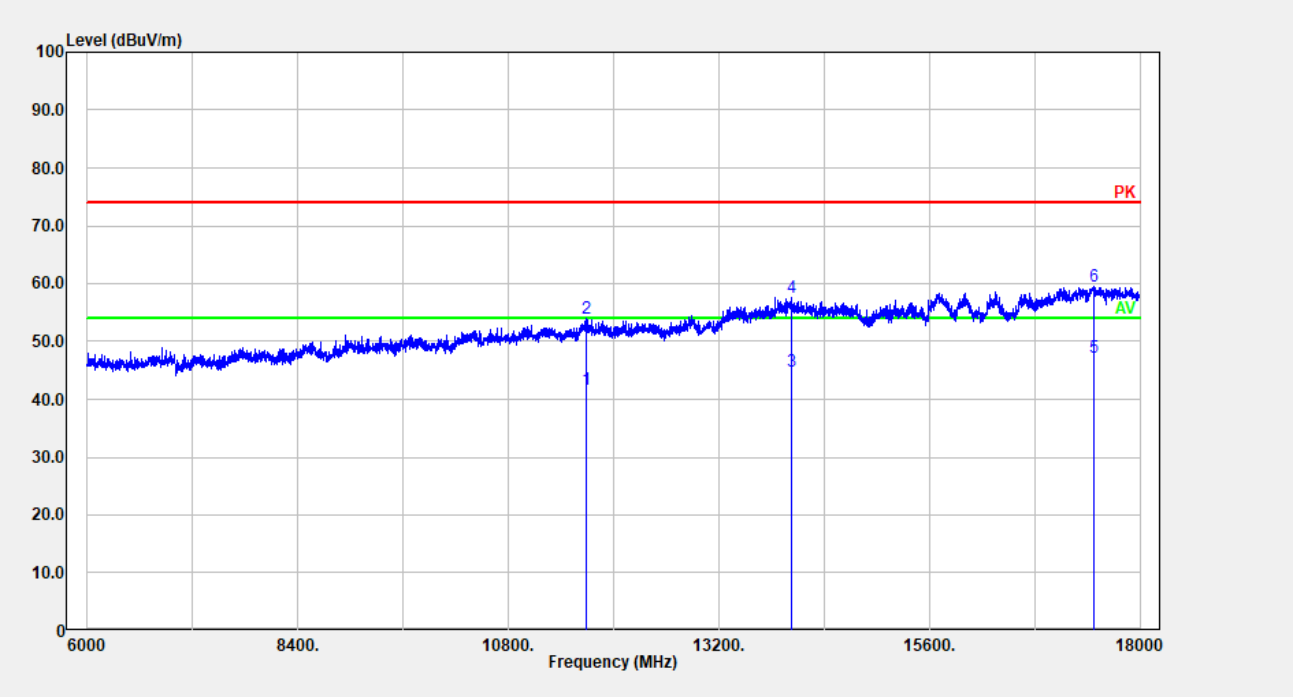
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2795.359	25.16	5.15	30.31	54.00	23.69	Average
2	2795.359	39.11	5.15	44.26	74.00	29.74	Peak
3	3750.550	22.31	9.22	31.53	54.00	22.47	Average
4	3750.550	35.73	9.22	44.95	74.00	29.05	Peak
5	4093.619	22.25	9.78	32.03	54.00	21.97	Average
6	4093.619	35.43	9.78	45.21	74.00	28.79	Peak

Vertical:



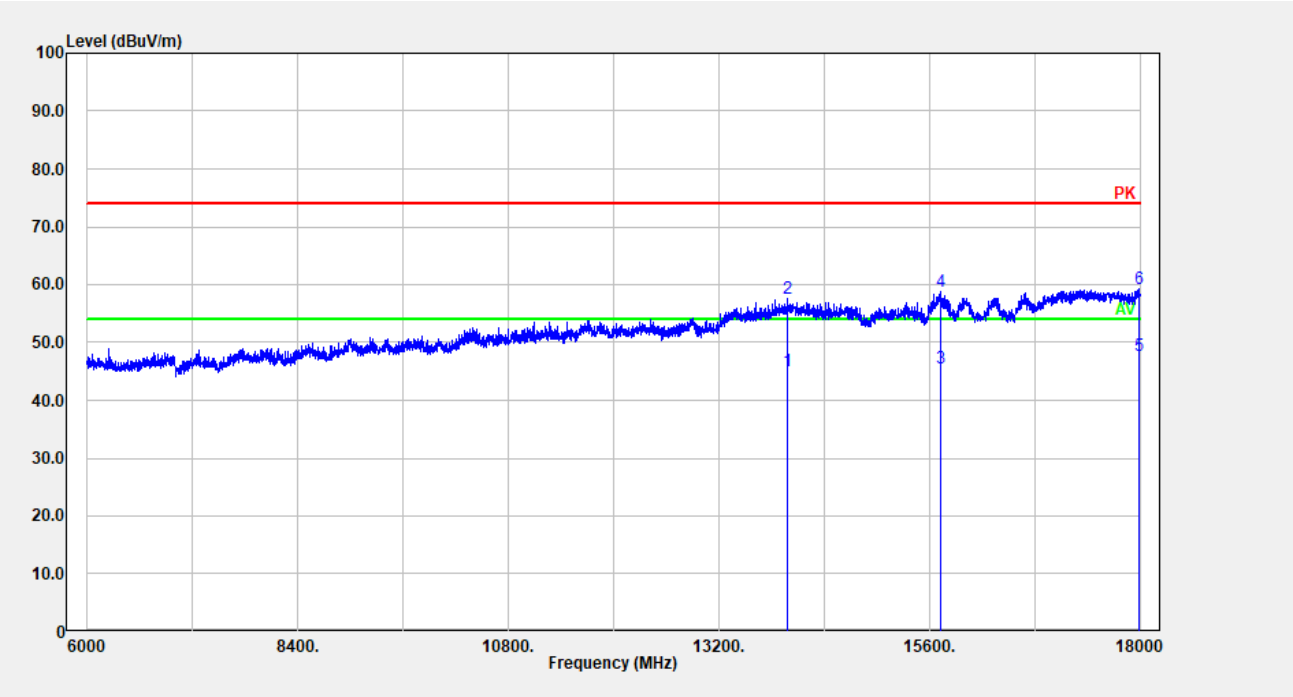
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2800.360	28.25	5.17	33.42	54.00	20.58	Average
2	2800.360	42.50	5.17	47.67	74.00	26.33	Peak
3	3687.538	22.27	9.15	31.42	54.00	22.58	Average
4	3687.538	35.57	9.15	44.72	74.00	29.28	Peak
5	4640.728	22.17	10.21	32.38	54.00	21.62	Average
6	4640.728	34.74	10.21	44.95	74.00	29.05	Peak

Horizontal:



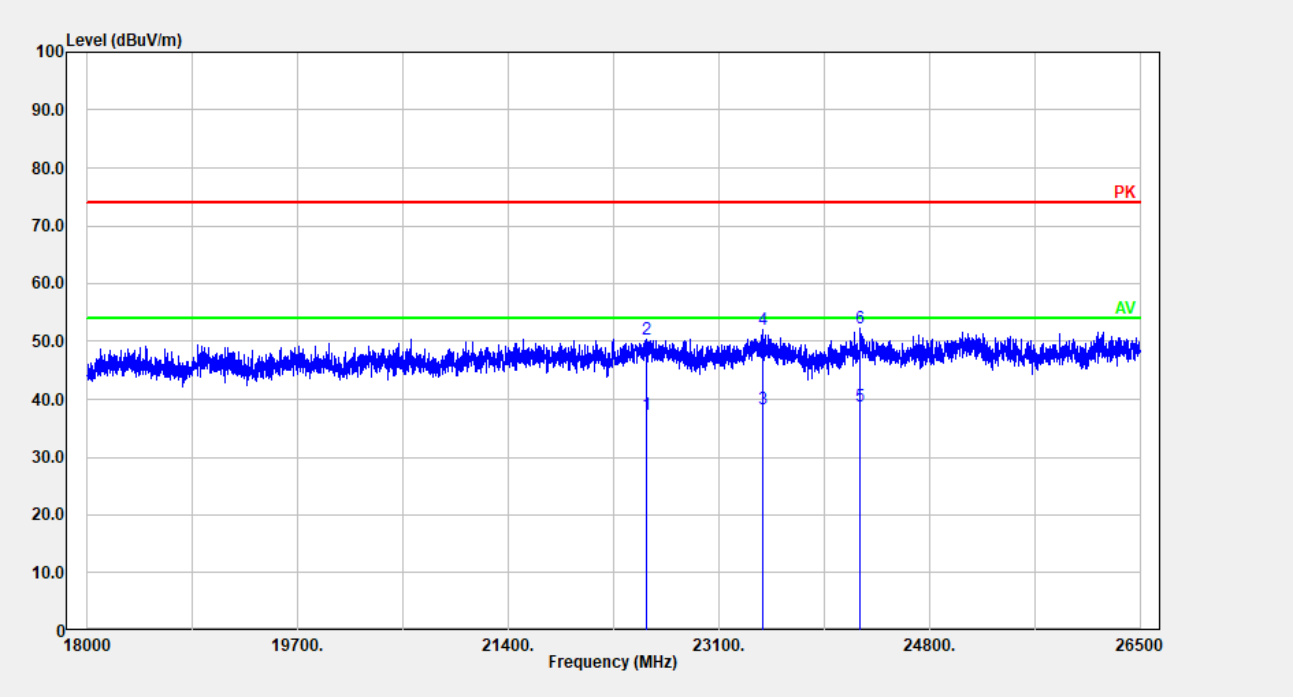
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	11689.140	21.15	20.46	41.61	54.00	12.39	Average
2	11689.140	33.42	20.46	53.88	74.00	20.12	Peak
3	14034.410	21.06	23.79	44.85	54.00	9.15	Average
4	14034.410	33.80	23.79	57.59	74.00	16.41	Peak
5	17471.890	19.32	27.86	47.18	54.00	6.82	Average
6	17471.890	31.64	27.86	59.50	74.00	14.50	Peak

Vertical:



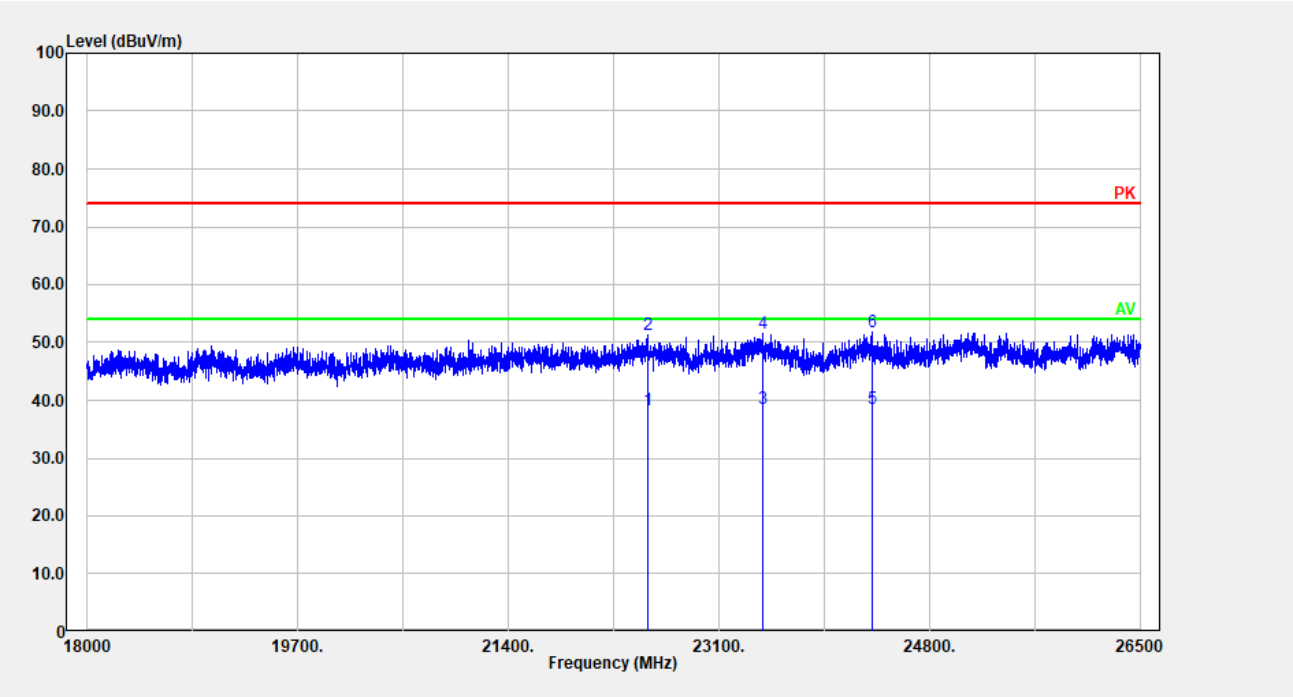
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	13974.390	21.24	23.77	45.01	54.00	8.99	Average
2	13974.390	33.89	23.77	57.66	74.00	16.34	Peak
3	15724.340	24.31	21.24	45.55	54.00	8.45	Average
4	15724.340	37.46	21.24	58.70	74.00	15.30	Peak
5	17997.600	17.34	30.38	47.72	54.00	6.28	Average
6	17997.600	29.00	30.38	59.38	74.00	14.62	Peak

Horizontal:



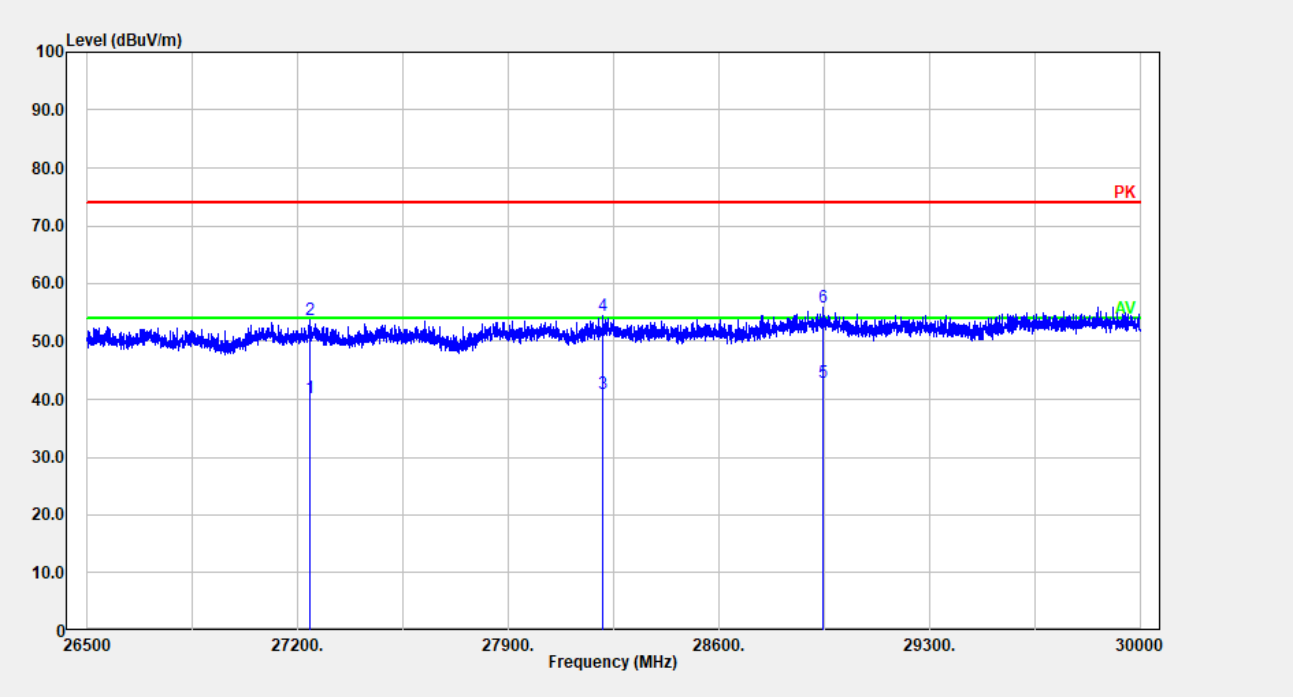
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	22519.500	26.35	11.11	37.46	54.00	16.54	Average
2	22519.500	39.34	11.11	50.45	74.00	23.55	Peak
3	23456.390	27.14	11.26	38.40	54.00	15.60	Average
4	23456.390	40.79	11.26	52.05	74.00	21.95	Peak
5	24241.950	27.56	11.32	38.88	54.00	15.12	Average
6	24241.950	40.90	11.32	52.22	74.00	21.78	Peak

Vertical:



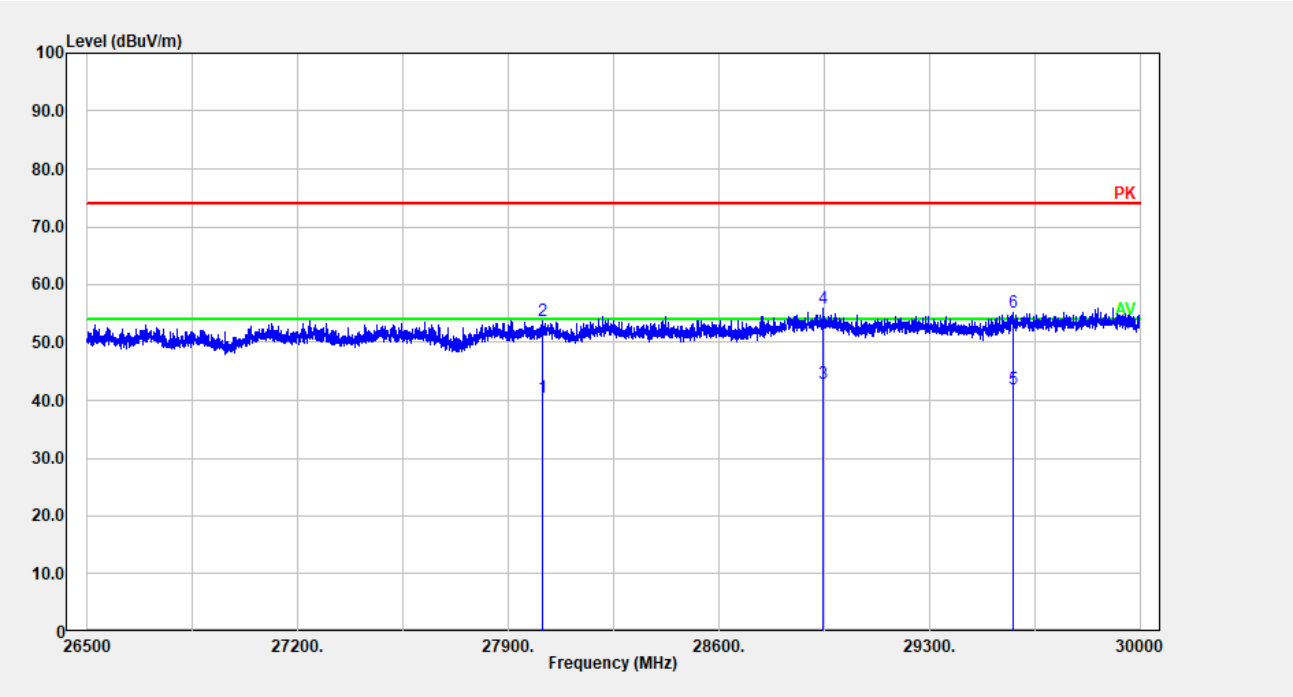
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	22522.900	27.23	11.08	38.31	54.00	15.69	Average
2	22522.900	40.23	11.08	51.31	74.00	22.69	Peak
3	23451.290	27.23	11.25	38.48	54.00	15.52	Average
4	23451.290	40.28	11.25	51.53	74.00	22.47	Peak
5	24340.570	27.11	11.52	38.63	54.00	15.37	Average
6	24340.570	40.35	11.52	51.87	74.00	22.13	Peak

Horizontal:



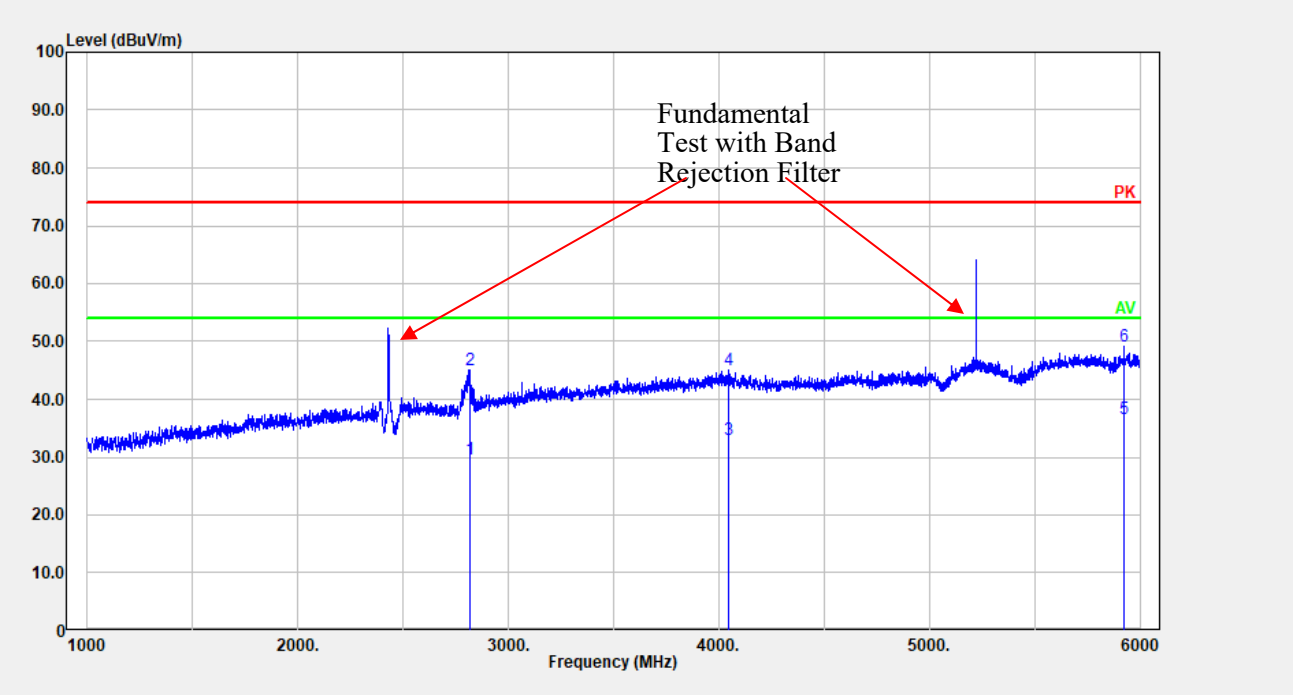
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	27239.350	26.30	13.99	40.29	54.00	13.71	Average
2	27239.350	39.65	13.99	53.64	74.00	20.36	Peak
3	28212.540	27.21	13.86	41.07	54.00	12.93	Average
4	28212.540	40.51	13.86	54.37	74.00	19.63	Peak
5	28944.890	28.11	14.70	42.81	54.00	11.19	Average
6	28944.890	41.22	14.70	55.92	74.00	18.08	Peak

Vertical:



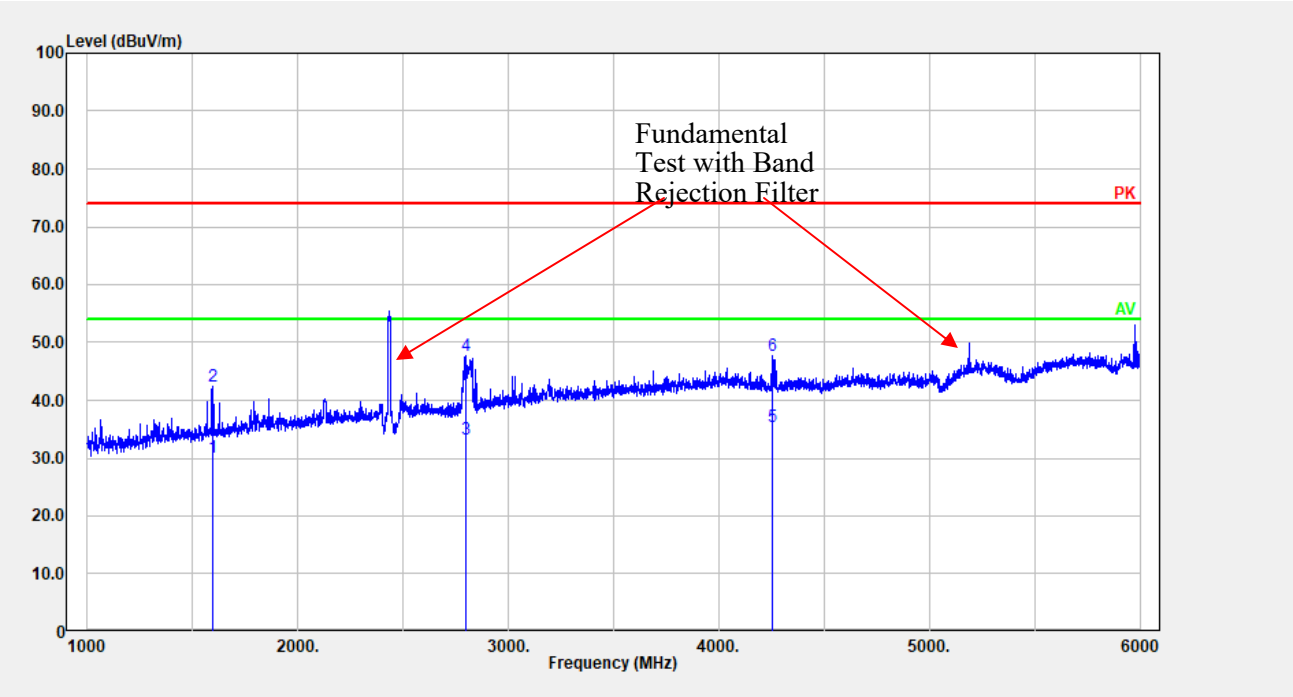
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	28015.100	25.40	15.00	40.40	54.00	13.60	Average
2	28015.100	38.81	15.00	53.81	74.00	20.19	Peak
3	28944.890	28.11	14.70	42.81	54.00	11.19	Average
4	28944.890	41.22	14.70	55.92	74.00	18.08	Peak
5	29579.920	27.36	14.63	41.99	54.00	12.01	Average
6	29579.920	40.50	14.63	55.13	74.00	18.87	Peak

Whip Antenna:
Horizontal:



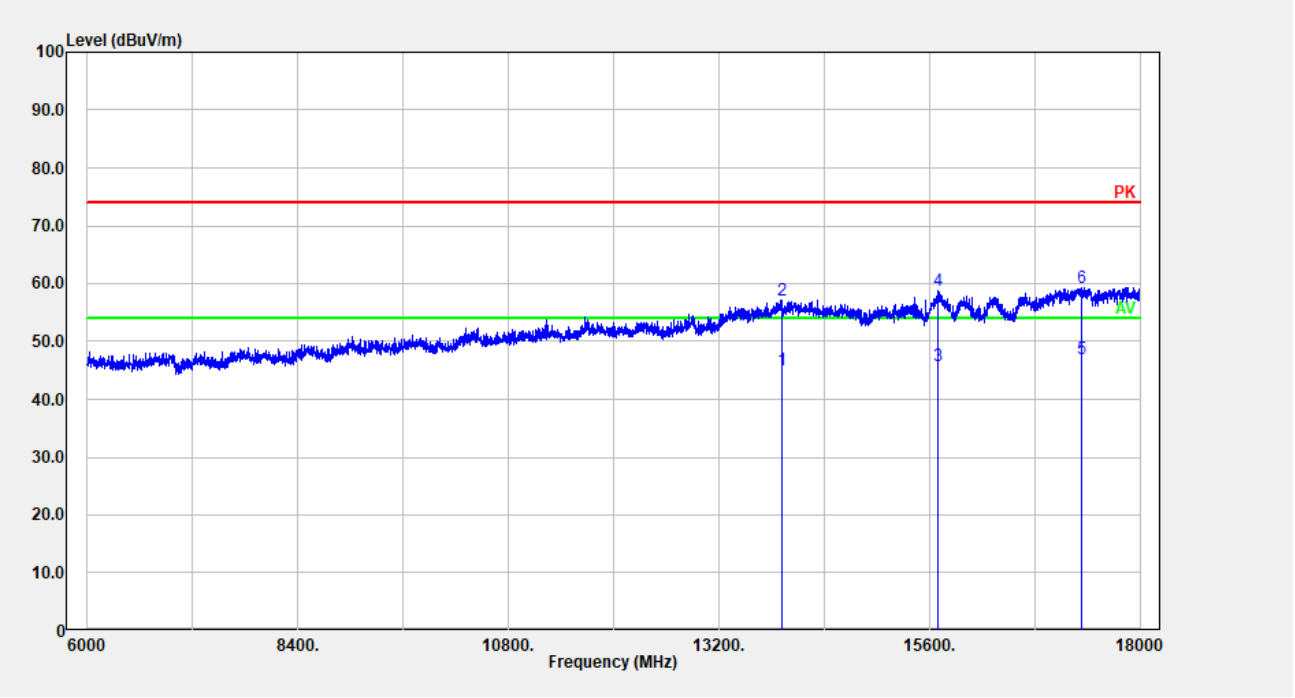
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2815.363	24.36	5.25	29.61	54.00	24.39	Average
2	2815.363	39.82	5.25	45.07	74.00	28.93	Peak
3	4043.609	23.11	9.88	32.99	54.00	21.01	Average
4	4043.609	35.22	9.88	45.10	74.00	28.90	Peak
5	5922.984	23.40	13.28	36.68	54.00	17.32	Average
6	5922.984	35.80	13.28	49.08	74.00	24.92	Peak

Vertical:



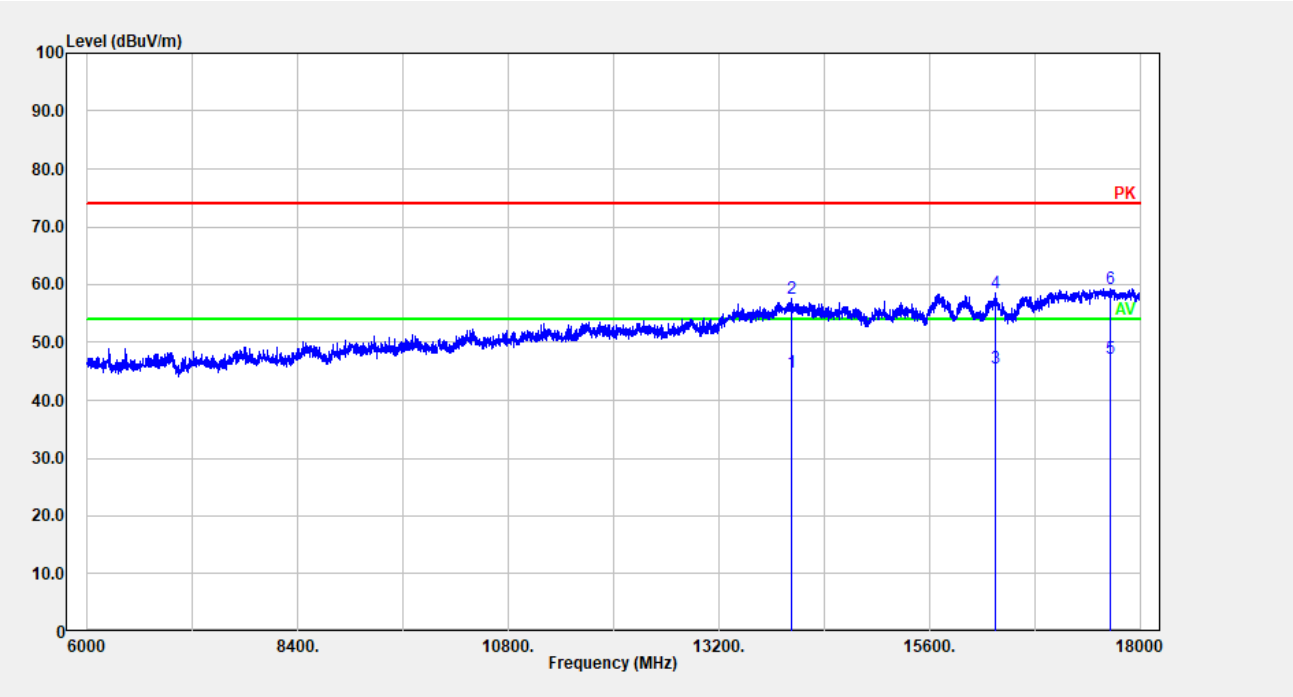
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1593.119	29.98	0.26	30.24	54.00	23.76	Average
2	1593.119	42.27	0.26	42.53	74.00	31.47	Peak
3	2797.359	28.02	5.16	33.18	54.00	20.82	Average
4	2797.359	42.64	5.16	47.80	74.00	26.20	Peak
5	4252.650	25.69	9.74	35.43	54.00	18.57	Average
6	4252.650	38.04	9.74	47.78	74.00	26.22	Peak

Horizontal:



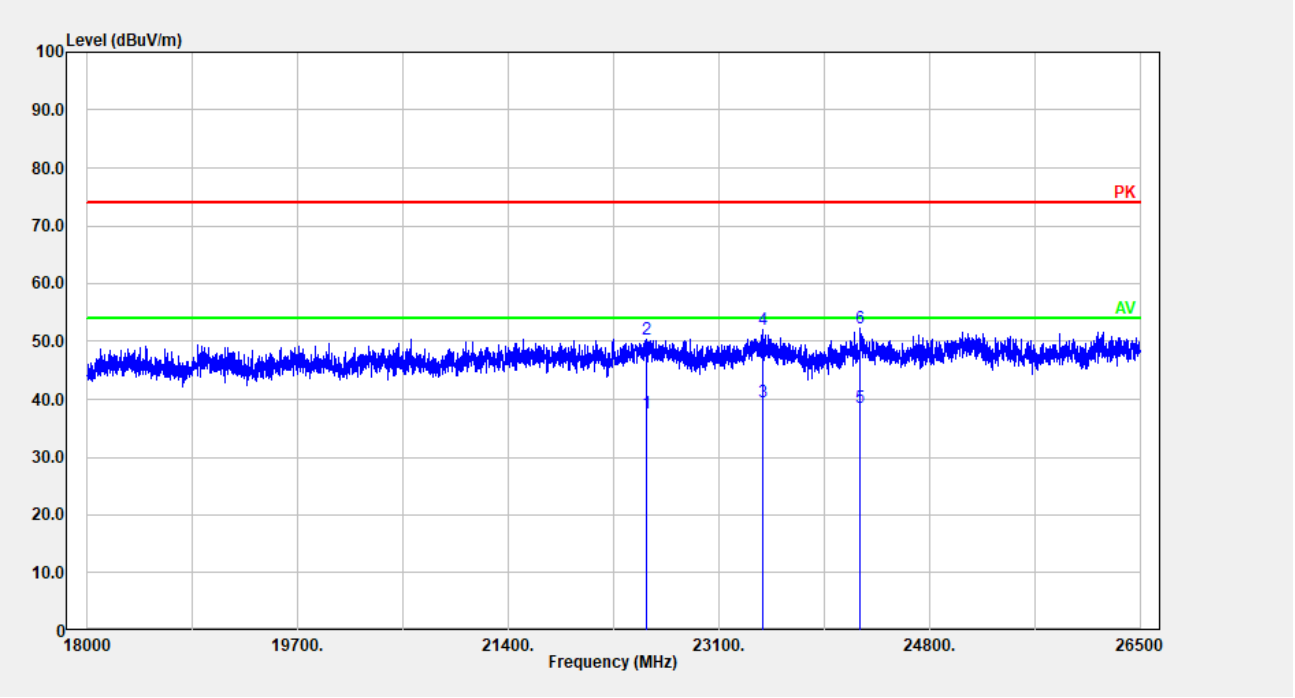
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	13916.780	21.20	23.86	45.06	54.00	8.94	Average
2	13916.780	33.28	23.86	57.14	74.00	16.86	Peak
3	15702.740	24.50	21.24	45.74	54.00	8.26	Average
4	15702.740	37.61	21.24	58.85	74.00	15.15	Peak
5	17330.270	20.16	26.80	46.96	54.00	7.04	Average
6	17330.270	32.58	26.80	59.38	74.00	14.62	Peak

Vertical:



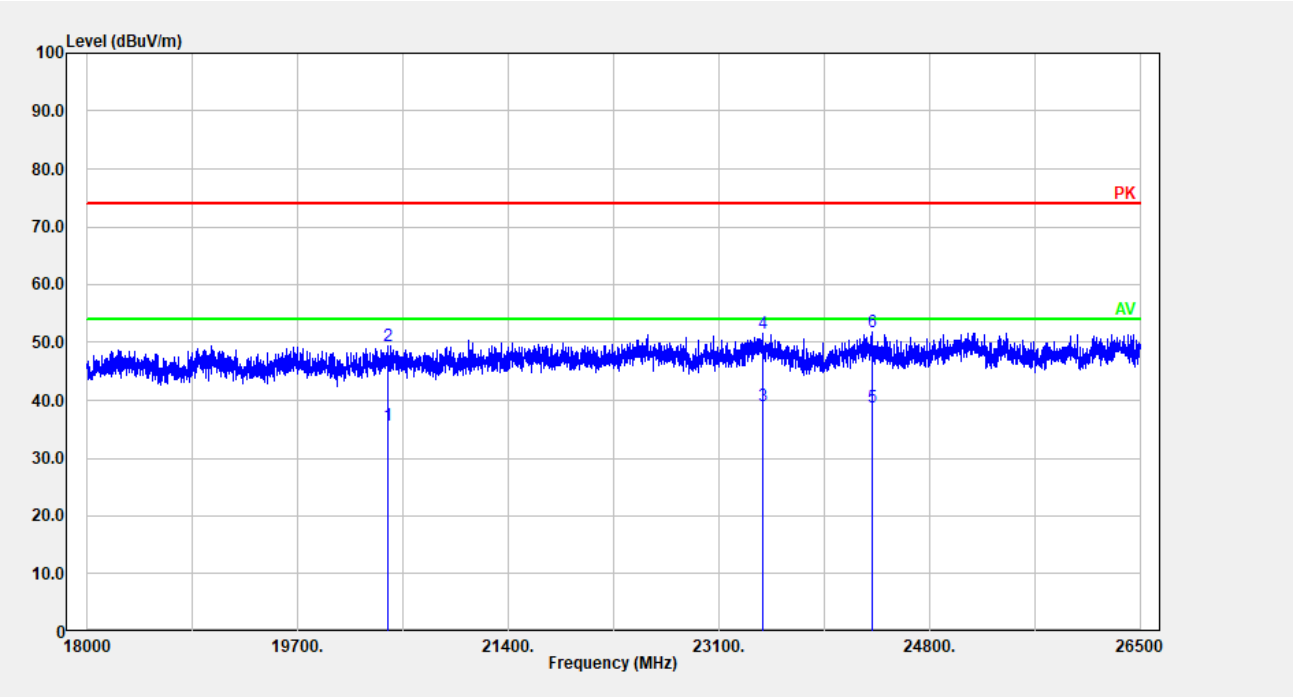
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	14029.610	21.13	23.78	44.91	54.00	9.09	Average
2	14029.610	33.77	23.78	57.55	74.00	16.45	Peak
3	16353.270	24.00	21.52	45.52	54.00	8.48	Average
4	16353.270	37.07	21.52	58.59	74.00	15.41	Peak
5	17666.330	18.24	29.05	47.29	54.00	6.71	Average
6	17666.330	30.30	29.05	59.35	74.00	14.65	Peak

Horizontal:



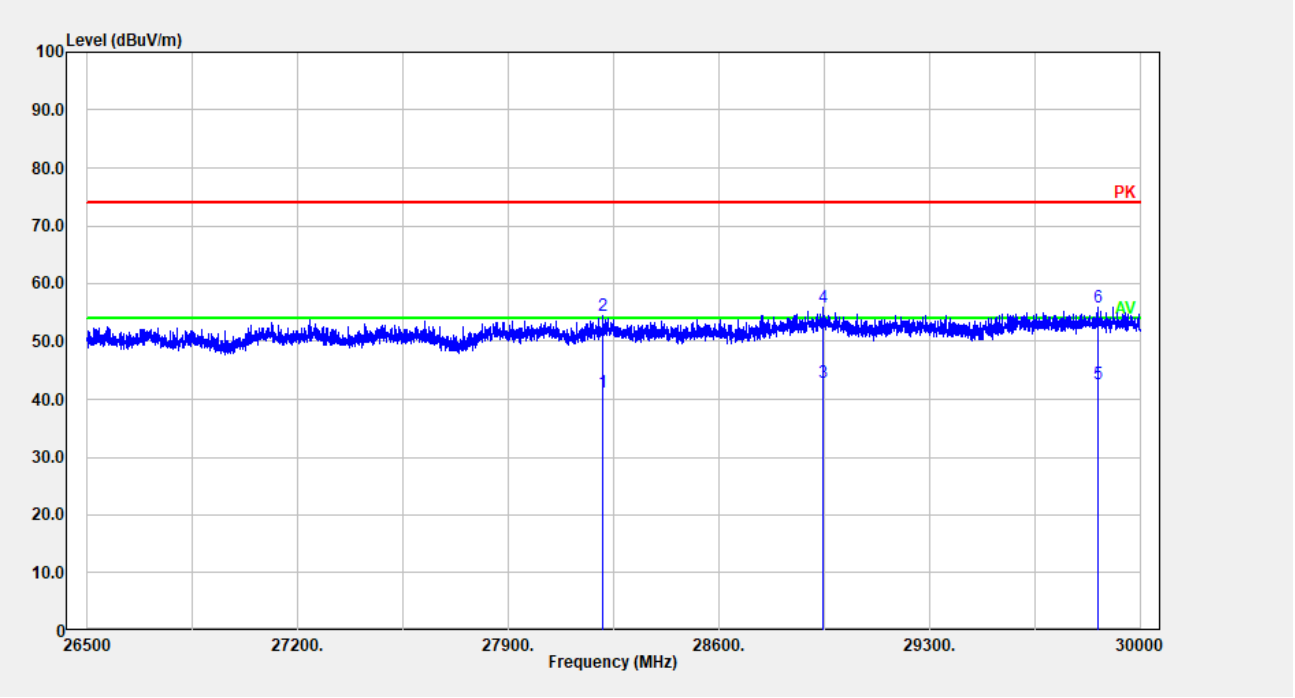
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	22519.500	26.38	11.11	37.49	54.00	16.51	Average
2	22519.500	39.34	11.11	50.45	74.00	23.55	Peak
3	23456.390	28.25	11.26	39.51	54.00	14.49	Average
4	23456.390	40.79	11.26	52.05	74.00	21.95	Peak
5	24241.950	27.29	11.32	38.61	54.00	15.39	Average
6	24241.950	40.90	11.32	52.22	74.00	21.78	Peak

Vertical:



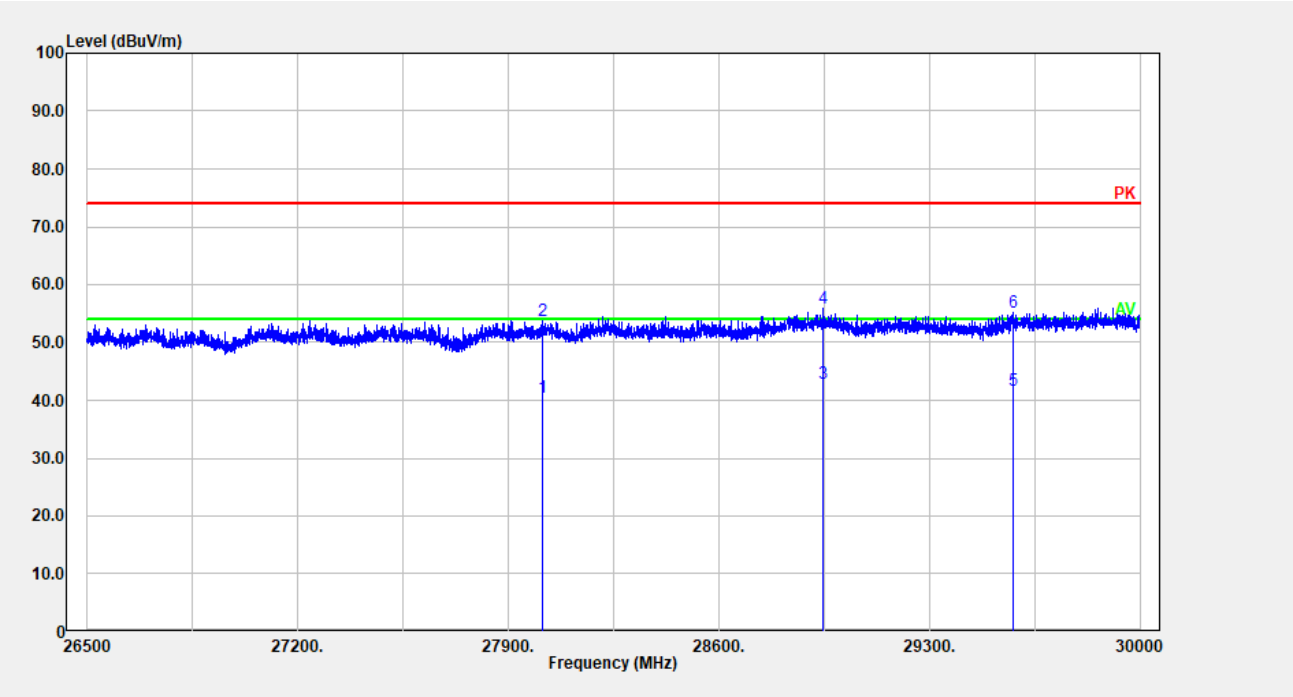
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	20426.380	29.10	6.56	35.66	54.00	18.34	Average
2	20426.380	42.89	6.56	49.45	74.00	24.55	Peak
3	23451.290	27.85	11.25	39.10	54.00	14.90	Average
4	23451.290	40.28	11.25	51.53	74.00	22.47	Peak
5	24340.570	27.35	11.52	38.87	54.00	15.13	Average
6	24340.570	40.35	11.52	51.87	74.00	22.13	Peak

Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	28212.540	27.25	13.86	41.11	54.00	12.89	Average
2	28212.540	40.51	13.86	54.37	74.00	19.63	Peak
3	28944.890	28.10	14.70	42.80	54.00	11.20	Average
4	28944.890	41.22	14.70	55.92	74.00	18.08	Peak
5	29859.970	28.15	14.60	42.75	54.00	11.25	Average
6	29859.970	41.31	14.60	55.91	74.00	18.09	Peak

Vertical:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	28015.100	25.40	15.00	40.40	54.00	13.60	Average
2	28015.100	38.81	15.00	53.81	74.00	20.19	Peak
3	28944.890	28.10	14.70	42.80	54.00	11.20	Average
4	28944.890	41.22	14.70	55.92	74.00	18.08	Peak
5	29579.920	27.14	14.63	41.77	54.00	12.23	Average
6	29579.920	40.50	14.63	55.13	74.00	18.87	Peak

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