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

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

APPLICANT: **PO FUNG ELECTRONIC(HK) INTERNATIOANL GROUP COMPANY**
ADDRESS: 3/F FULOK BLDG 131-133 WING LOK ST SHEUNG WAN, Hong Kong

FCC ID: **2AJGM-AR152**

PRODUCT NAME: **Amateur Radio**

MODEL(S): **AR-152, AR-152Pro**

STANDARD(S): **FCC Part 15B**
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: CR21100070-00A
Date Of Issue: 2021-12-09
Reviewed By: Sun Zhong
Title: Manager
Sun Zhong
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)

Product Name:	Amateur Radio
Test Model:	AR-152
Multiple Model(s):	AR-152Pro
Highest Operating Frequency:	520MHz
Rated Input Voltage:	DC 7.4V from Battery, or DC 10V charging from charger base
Serial Number:	CR21100070-RF-S1
EUT Received Date:	2021.11.01
EUT Received Status:	Good
Note: The Multiple Model(s) are identical with Test Model, please refer to the ***Declaration of Similar Letter*** for more detail, which was provided by manufacturer.	

Accessory Information:

Description	Manufacturer	Model	Parameters
Adapter	SHENZHEN NALIN ELEC. TECH. CO., LTD.	NLB100100W1A5S68	Input: AC 100-240V~50/60Hz 0.35A Max Output: DC 10V 1A

1.2 Technical Specification

Operation Frequency Range (MHz):	**Transmit:**	144-148, 420-450
	Receive:	144-148, 420-450
	Scanner:	136-174, 400-520
	FM Receive:	76-108

1.3 Description of Test Configuration

1.3.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Typical Use Mode, which was provided by the manufacturer.
Test Mode Description:	TM1: Charging (EUT power off) TM2: FM Receiving Operating TM3: Receiving Operating TM4: Scanning Operating Note: Applicant declared that, EUT shall be power off during charging (please refer to the User Manual);
Equipment Modifications:	No
EUT Exercise Software:	No

1.3.2 Support Equipment List and Details

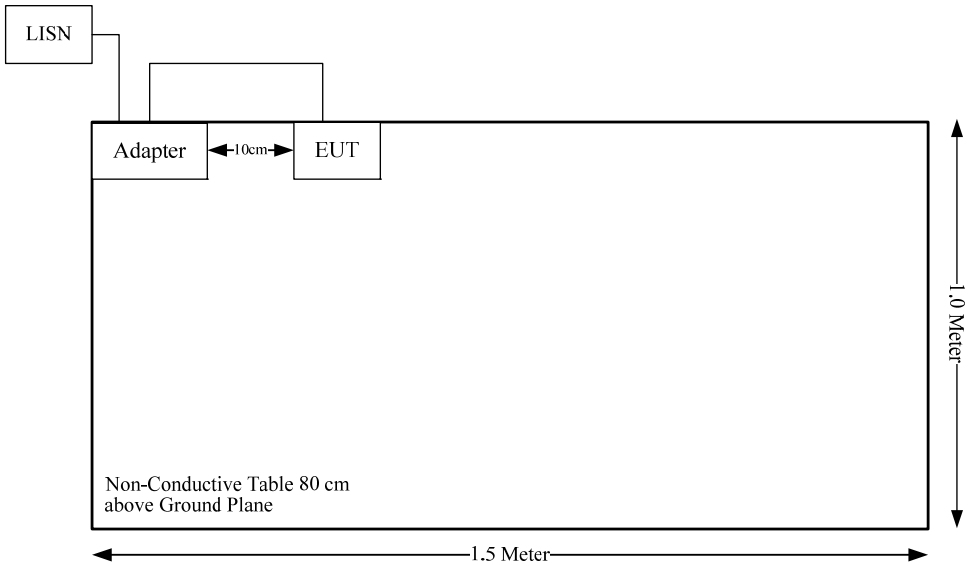
Manufacturer	Description	Model	Serial Number
HP	RF Communications Test Set	8920A	3438A05201
/	ANT	/	/

1.3.3 Support Cable List and Details

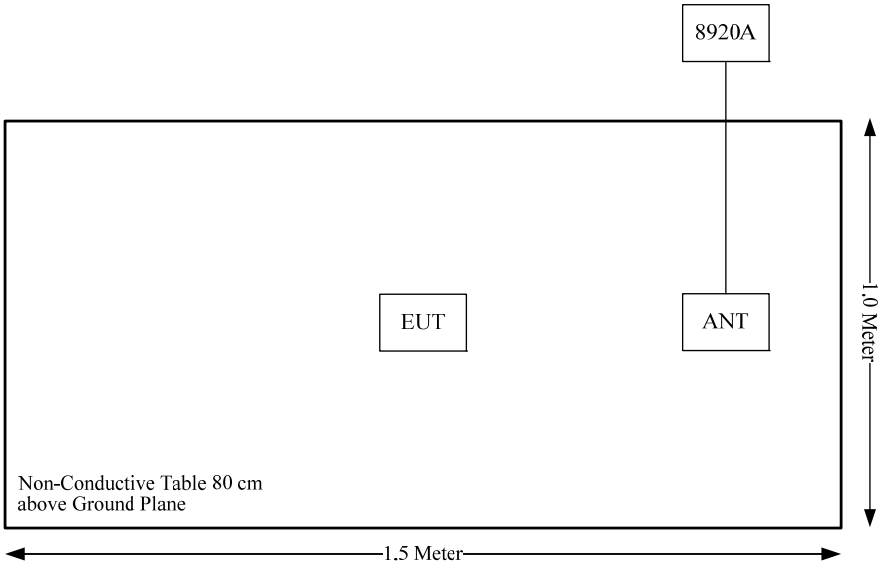
Cable Description	Shielding Cable	Ferrite Core	Length (m)	From Port	To
Coaxial Cable	Yes	No	2	8920A	ANT
Adapter Cable	No	No	1.2	Adapter	EUT

1.3.4 Block Diagram of Test Setup

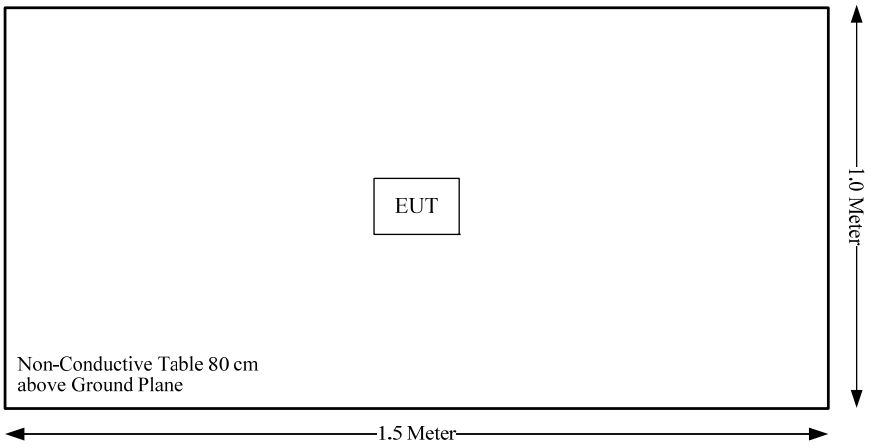
TM1:



TM2&TM3:


8920A
EUT
ANT
1.0 Meter
Non-Conductive Table 80 cm
above Ground Plane
1.5 Meter

TM4:


EUT
1.0 Meter
Non-Conductive Table 80 cm
above Ground Plane
1.5 Meter

1.4 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)

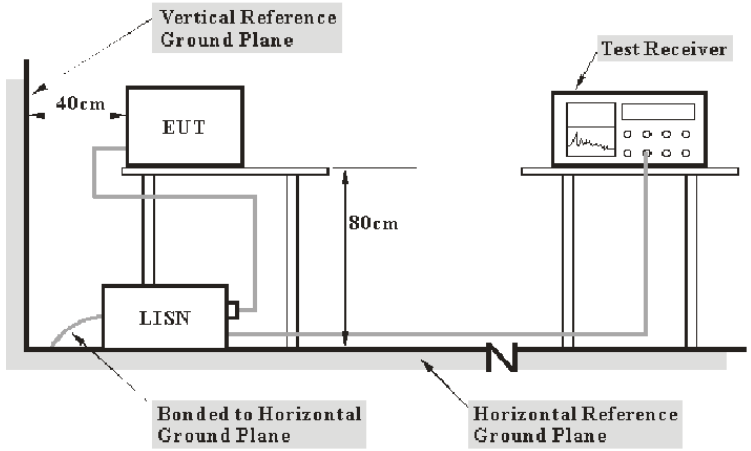
2. SUMMARY OF TEST RESULTS

Standard(s) Section	Description of Test	Result
§15.107	Conducted emissions	Compliance
§15.109	Radiated emissions	Compliance
§15.111	Antenna power conduction limits for receivers	Compliance
§15.121(b)	Scanning receivers and frequency converters used with scanning receivers	Compliance

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Test System 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

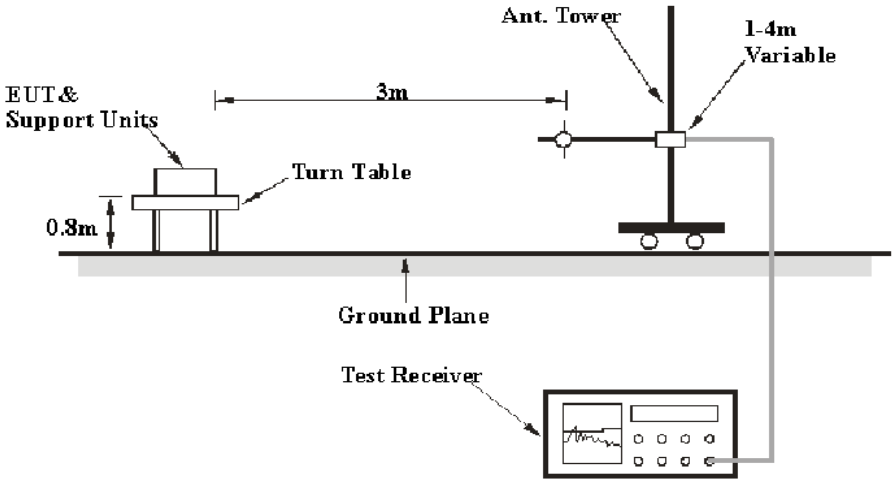
The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

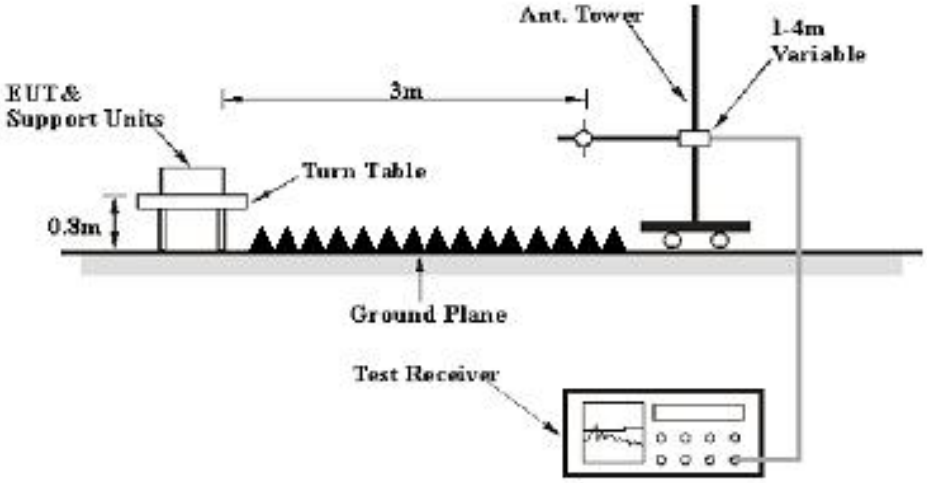
3.2 Radiation Spurious Emissions

3.2.1 Test System 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 5 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

3.3 Antenna Power Conduction Limits for Receivers

3.3.1 Applicable Standard

FCC§15.111.

(a) In addition to the radiated emission limits, receivers that operate (tune) in the frequency range 30 to 960 MHz and CB receivers that provide terminals for the connection of an external receiving antenna may be tested to demonstrate compliance with the provisions of § 15.109 with the antenna terminals shielded and terminated with a resistive termination equal to the impedance specified for the antenna, provided these receivers also comply with the following: With the receiver antenna terminal connected to a resistive termination equal to the impedance specified or employed for the antenna, the power at the antenna terminal at any frequency within the range of measurements specified in § 15.33 shall not exceed 2.0 nanowatts.

Test Procedure

EUT antenna port connected to a spectrum analyzer, the traces were recorded as shown on the data pages.

3.4 Scanning Receivers and Frequency Converters Used with Scanning Receivers

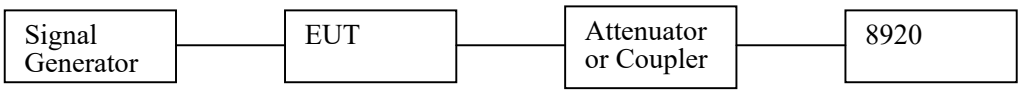
Applicable Standard

FCC §15.121(b).

(b) Except as provided in paragraph (c) of this section, scanning receivers shall reject any signals from the Cellular Radiotelephone Service frequency bands that are 38 dB or lower based upon a 12 dB SINAD measurement, which is considered the threshold where a signal can be clearly discerned from any interference that may be present.

Test Procedure

1. Connected the EUT as the below block diagram;



2. Apply a signal to the EUT antenna port at lowest, middle, highest channel frequencies of the operating band;
3. Adjust the audio output level of the EUT to it's rated value with the distortion less than 10%;
4. Adjust the Signal Generator output power to produce 12 dB SINAD without the audio output power dropping by more than 3 dB; These output level of the Signal Generator at each channel frequency is the sensitivity of the EUT;
5. Select the lowest or worst case sensitivity level for all of the bands as the reference sensitivity;
6. Adjust the Signal Generator output to a level of +60 dB above the reference sensitivity obtained in step 5 and its frequency to the frequency point in the Cellular Band;
7. Set the EUT squelch to threshold, the signal required to open the squelch must be lower than the reference sensitivity level;
8. Set the EUT in a scanning mode and allow it to scan through it's complete receiving range;
9. If the EUT un-squelched or stopped on any frequency, receiving at this frequency, then adjust the signal generator output level until 12 dB SINAD is produced, this level is the spurious value and the difference between the reference sensitivity and the spurious value is the rejection ratio and must be at least 38 dB;
10. Repeat above procedure at the frequencies 824, 836, 849 MHz for the mobile band, and 869, 881.5 and 894 MHz for the Cellular Base Band.

4. TEST DATA AND RESULTS

4.1 Test Environmental Conditions & Test Equipment List and Details

4.1.1 Conducted Emission Test

Test Date:		2021.11.03			
Tester:		Nick Tang			
Environmental Conditions:					
Temperature: (℃)	29.8	Relative Humidity: (%)	65	ATM Pressure: (kPa)	101.4

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101132	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
Test Software: Audix ***E3***, Version ***190306 (V9)***					

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).*

4.1.2 Radiation Emission Test

Test Date:		2021-11-03~2021-12-08			
Tester:		Great Qiao, Tommy Luo			
Environmental Conditions:					
Temperature: (℃)	21.6~24.2	Relative Humidity: (%)	57~65	ATM Pressure: (kPa)	101.2~101.7

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
AH	Pre-amplifier	PAM-0118P	530	2021-11-04	2022-1103
Test Software: Audix ***E3***, Version ***201021 (V9)***					

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).*

4.1.3 RF Conducted Test

Test Date:		2021.12.09			
Tester:		Lao Zou			
Environmental Conditions:					
Temperature: (℃)	23.4	Relative Humidity: (%)	52	ATM Pressure: (kPa)	101.8

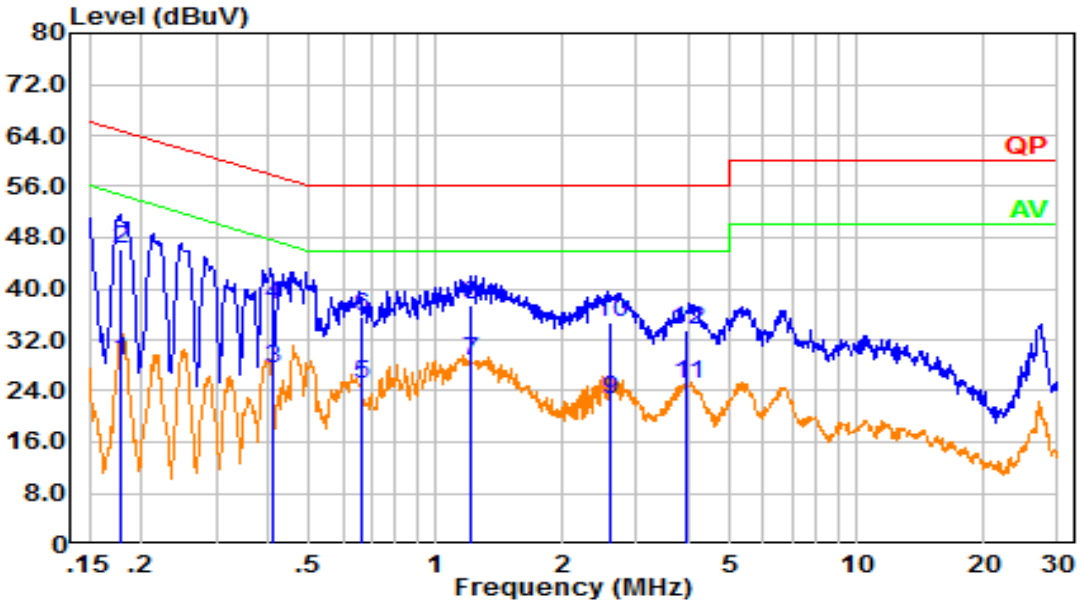
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Signal Analyzer	FSIQ26	831929/006	2021-07-22	2022-07-21
YINSAIGE	Coaxial Cable	LMR300	NJ0100001	2021-08-08	2022-08-07
Mini-Circuits	DC Block	BLK-18-S+	1554404	2021-08-08	2022-08-07
Weinschel	Coaxial Attenuators	53-20-34	LN751	2021-08-08	2022-08-07
HP	RF Communications Test Set	8920A	3438A05209	2021-07-22	2022-07-21
Agilent	MXG Vector Signal Generator	N5182B	MY51350142	2021-04-25	2022-04-24

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).*

4.2 Conducted Emission Test

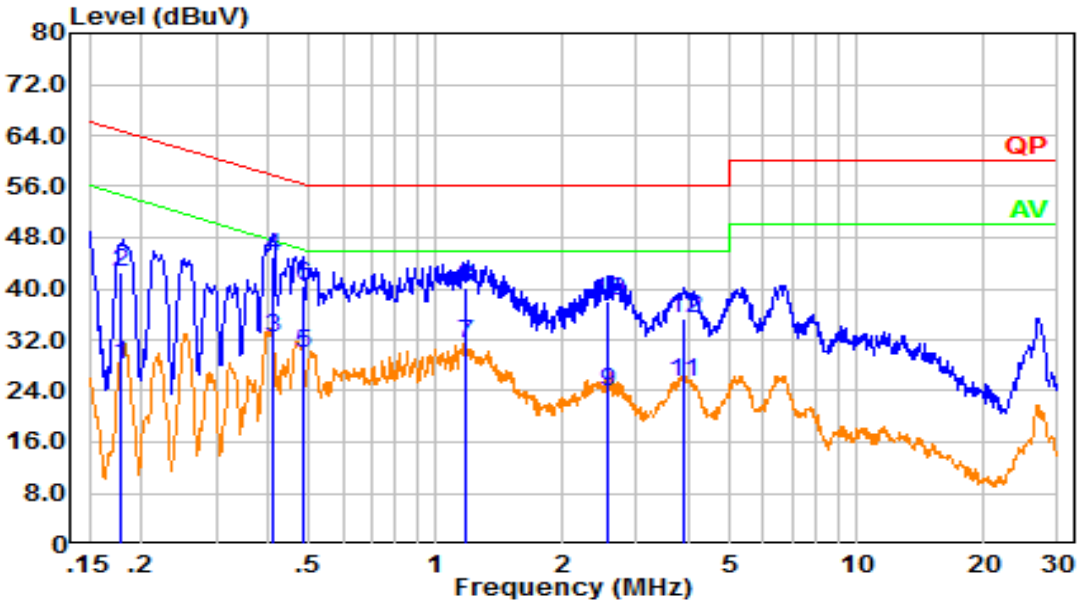
Test Mode: *TM1*

Line:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.177	19.22	9.61	28.83	54.61	25.78	Average
2	0.177	36.55	9.61	46.16	64.61	18.46	QP
3	0.408	17.75	9.61	27.36	47.69	20.33	Average
4	0.408	27.89	9.61	37.50	57.69	20.19	QP
5	0.663	15.52	9.62	25.14	46.00	20.86	Average
6	0.663	25.87	9.62	35.49	56.00	20.51	QP
7	1.214	19.10	9.62	28.73	46.00	17.27	Average
8	1.214	27.96	9.62	37.58	56.00	18.42	QP
9	2.591	12.93	9.64	22.57	46.00	23.43	Average
10	2.591	25.15	9.64	34.79	56.00	21.21	QP
11	3.948	15.28	9.65	24.93	46.00	21.07	Average
12	3.948	23.80	9.65	33.45	56.00	22.55	QP

Neutral:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.179	18.36	9.61	27.97	54.54	26.57	Average
2	0.179	32.89	9.61	42.50	64.54	22.04	QP
3	0.410	22.72	9.61	32.33	47.66	15.33	Average
4	0.410	35.47	9.61	45.08	57.66	12.58	QP
5	0.482	20.35	9.61	29.96	46.31	16.35	Average
6	0.482	30.83	9.61	40.44	56.31	15.87	QP
7	1.180	21.64	9.62	31.26	46.00	14.74	Average
8	1.180	30.63	9.62	40.25	56.00	15.75	QP
9	2.573	14.20	9.64	23.85	46.00	22.15	Average
10	2.573	28.45	9.64	38.09	56.00	17.91	QP
11	3.885	15.85	9.65	25.50	46.00	20.50	Average
12	3.885	25.80	9.65	35.45	56.00	20.55	QP

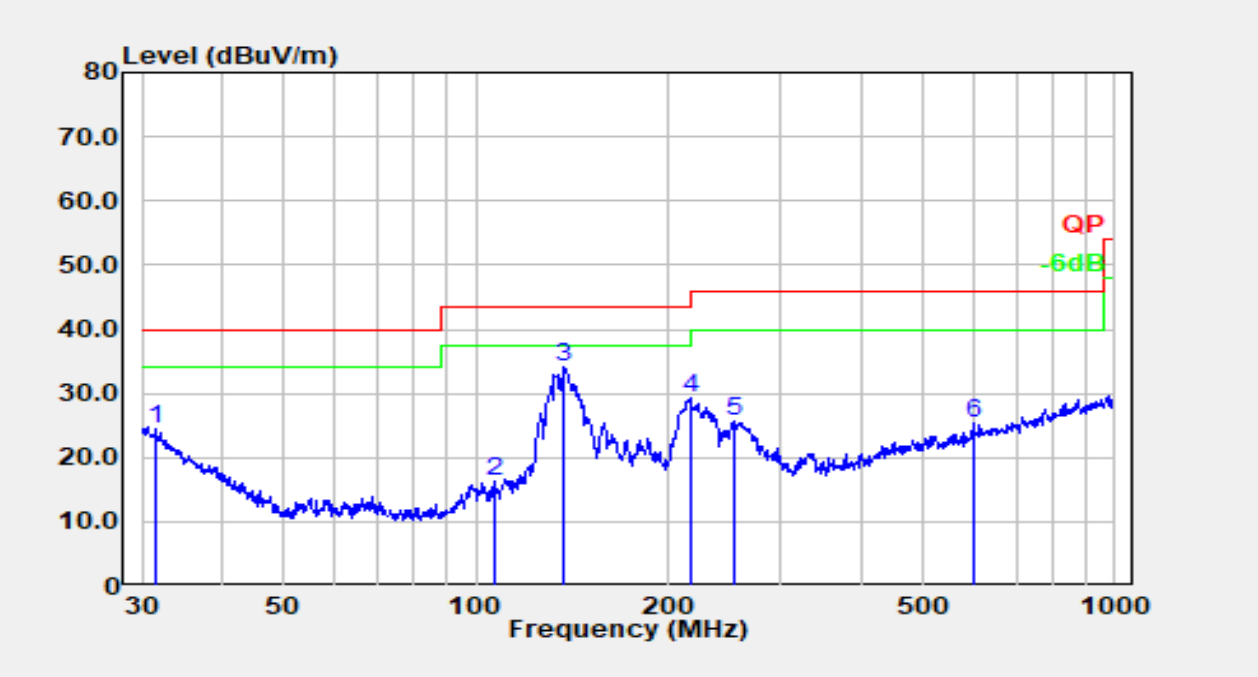
4.3 Radiation Spurious Emissions Test

Note:
1. The device can be used in multiple orientations, so for Test Mode: TM2/TM3/TM4, test was performed with X, Y, Z Axis, the worst orientation was photographed and it`s data was recorded.
2. For Test Mode: TM2/TM3, pre-scan with lowest (or near lowest), middle (or near middle), and highest (or near highest) operating frequency of each mode, the worst case was recorded in the report.

4.3.1 Below 1GHz Test Data:

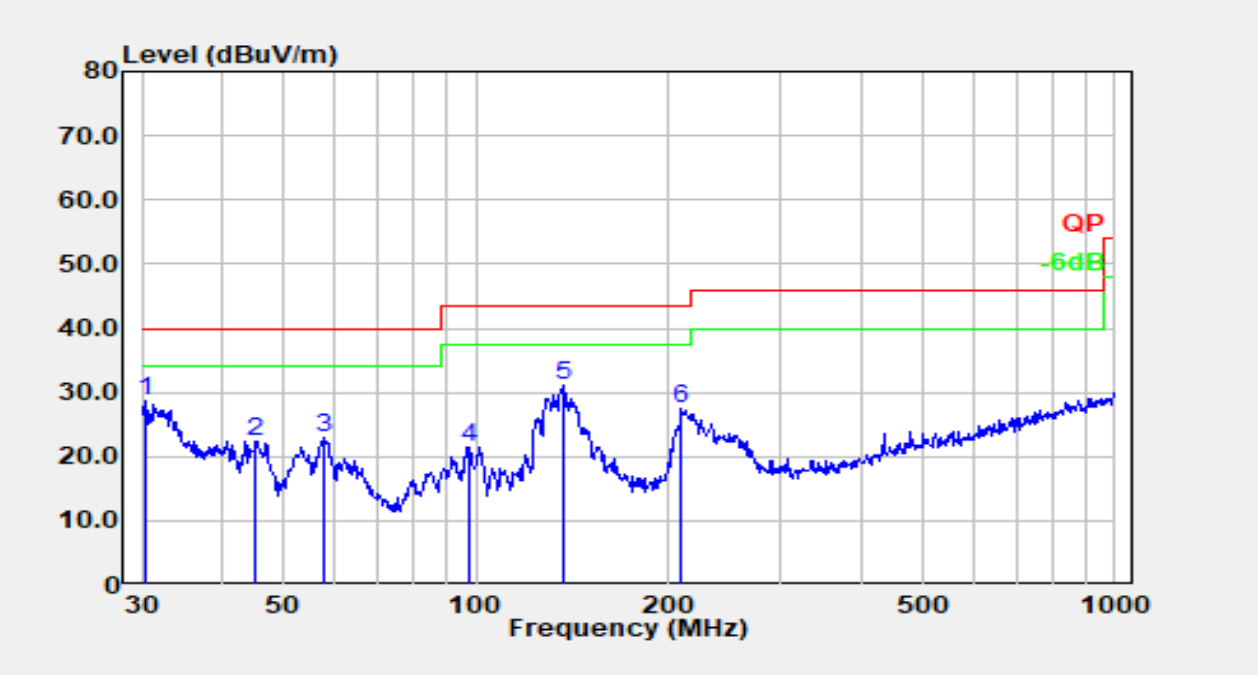
Test Mode: *TM1*

Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.510	29.38	-4.95	24.43	40.00	15.57	Peak
2	106.759	29.65	-13.22	16.42	43.50	27.08	Peak
3	137.420	45.97	-12.00	33.97	43.50	9.53	Peak
4	216.024	42.14	-12.83	29.31	46.00	16.69	Peak
5	254.728	38.54	-13.00	25.55	46.00	20.45	Peak
6	599.321	30.78	-5.35	25.43	46.00	20.57	Peak

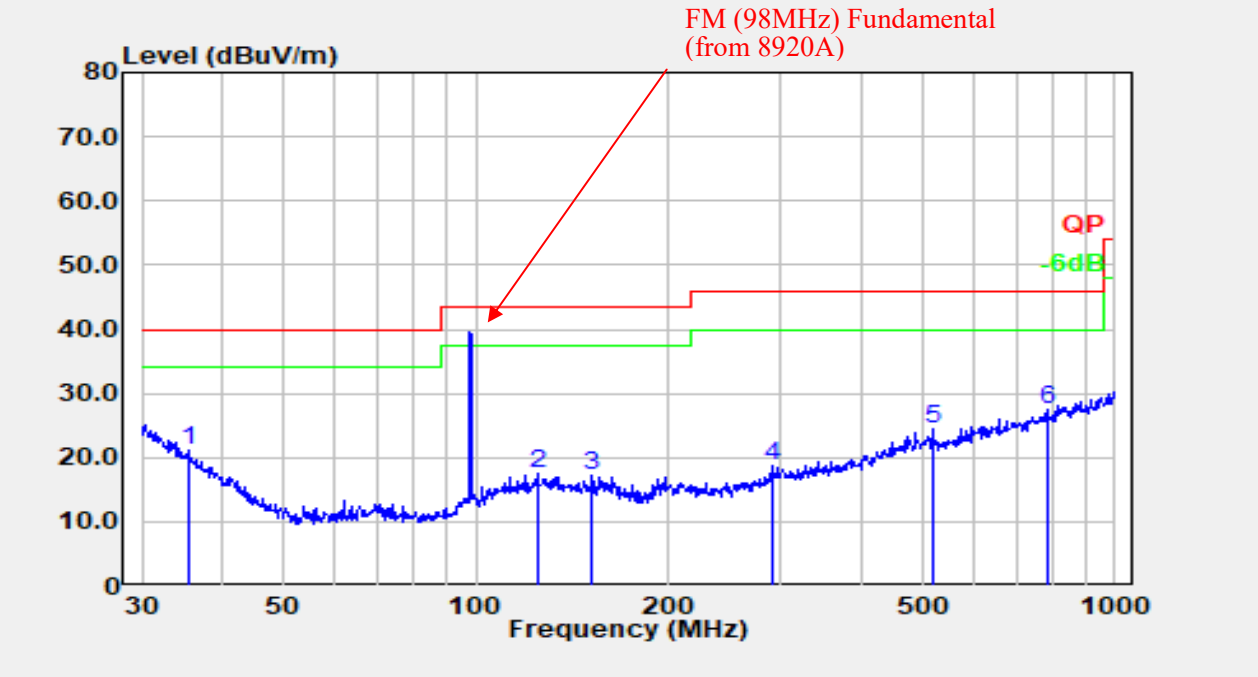
Vertical:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.317	32.56	-4.03	28.53	40.00	11.47	Peak
2	45.217	36.98	-14.58	22.41	40.00	17.59	Peak
3	57.796	40.37	-17.56	22.80	40.00	17.20	Peak
4	97.798	36.56	-15.11	21.46	43.50	22.04	Peak
5	136.939	43.18	-11.95	31.24	43.50	12.26	Peak
6	210.048	39.96	-12.60	27.36	43.50	16.14	Peak

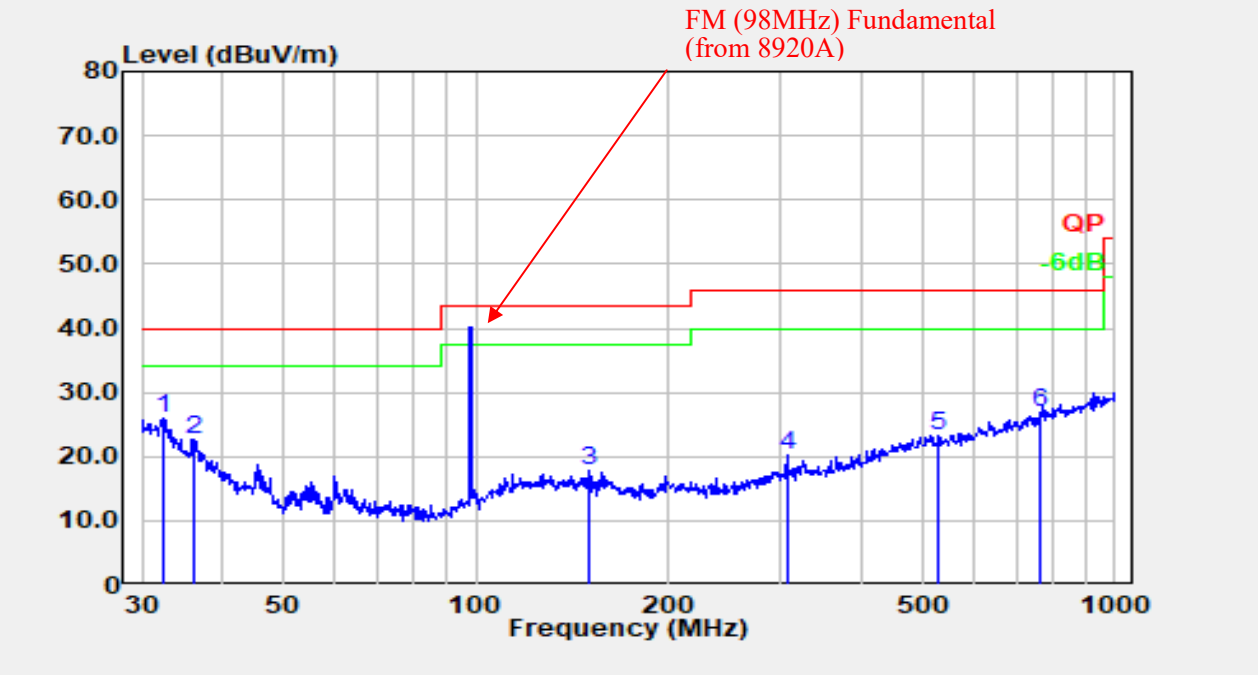
Test Mode: *TM2*

Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	35.375	29.10	-7.95	21.15	40.00	18.85	Peak
2	124.569	28.94	-11.58	17.36	43.50	26.14	Peak
3	151.597	29.47	-12.29	17.18	43.50	26.32	Peak
4	290.017	29.85	-11.21	18.64	46.00	27.36	Peak
5	519.065	30.63	-6.06	24.57	46.00	21.43	Peak
6	782.345	30.08	-2.52	27.55	46.00	18.45	Peak

Vertical:

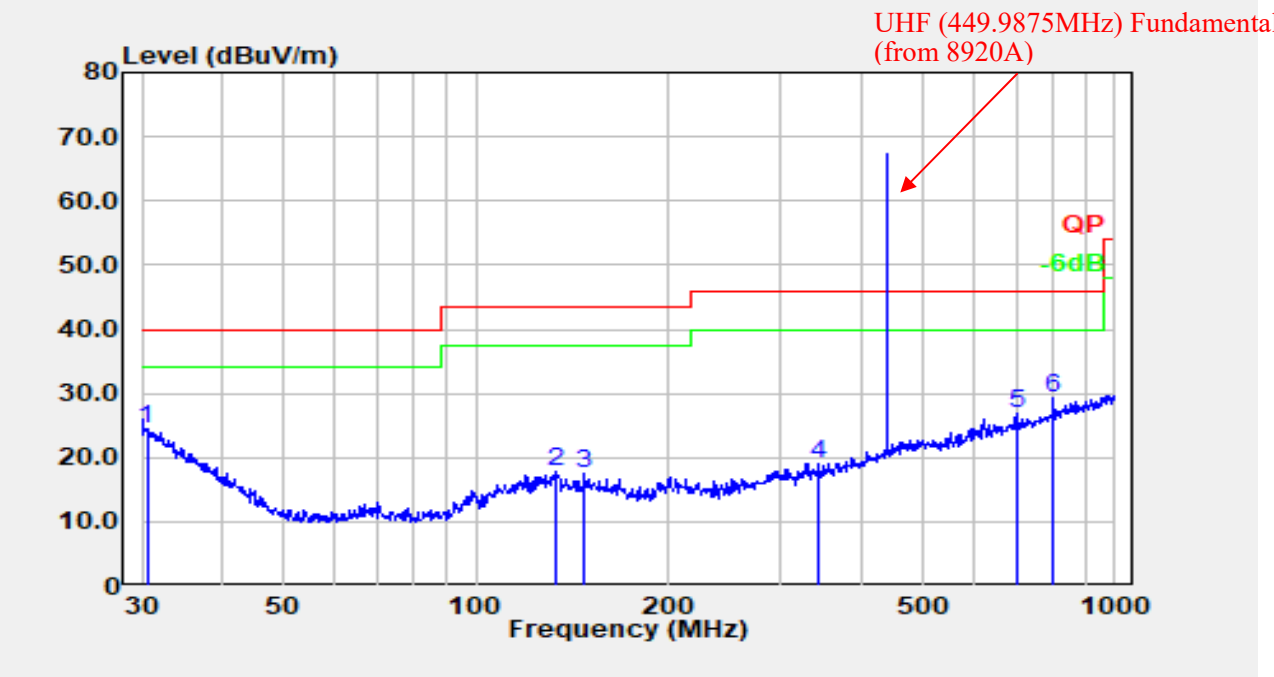


No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.406	31.50	-5.64	25.85	40.00	14.15	Peak
2	36.254	31.22	-8.62	22.60	40.00	17.40	Peak
3	150.011	30.12	-12.26	17.86	43.50	25.64	Peak
4	306.754	31.04	-10.79	20.25	46.00	25.75	Peak
5	528.246	29.46	-6.17	23.28	46.00	22.72	Peak
6	763.376	29.96	-3.01	26.95	46.00	19.05	Peak

Test Mode: *TM3*

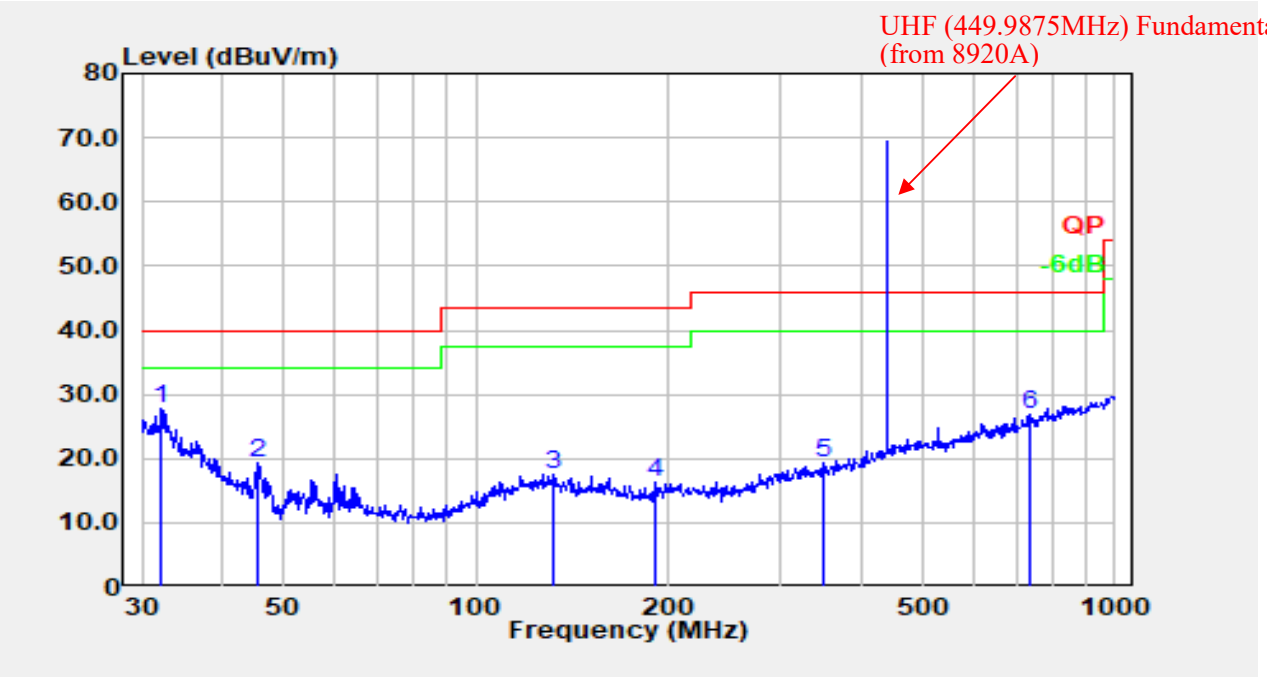
Note: Pre-scan Operating in VHF range & UHF range, worst case is UHF range.

Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.531	28.72	-4.20	24.52	40.00	15.48	Peak
2	133.151	29.48	-11.77	17.71	43.50	25.79	Peak
3	147.921	29.62	-12.24	17.38	43.50	26.12	Peak
4	343.180	29.39	-10.24	19.15	46.00	26.85	Peak
5	704.226	30.64	-3.77	26.86	46.00	19.14	Peak
6	801.786	31.63	-2.45	29.17	46.00	16.83	Peak

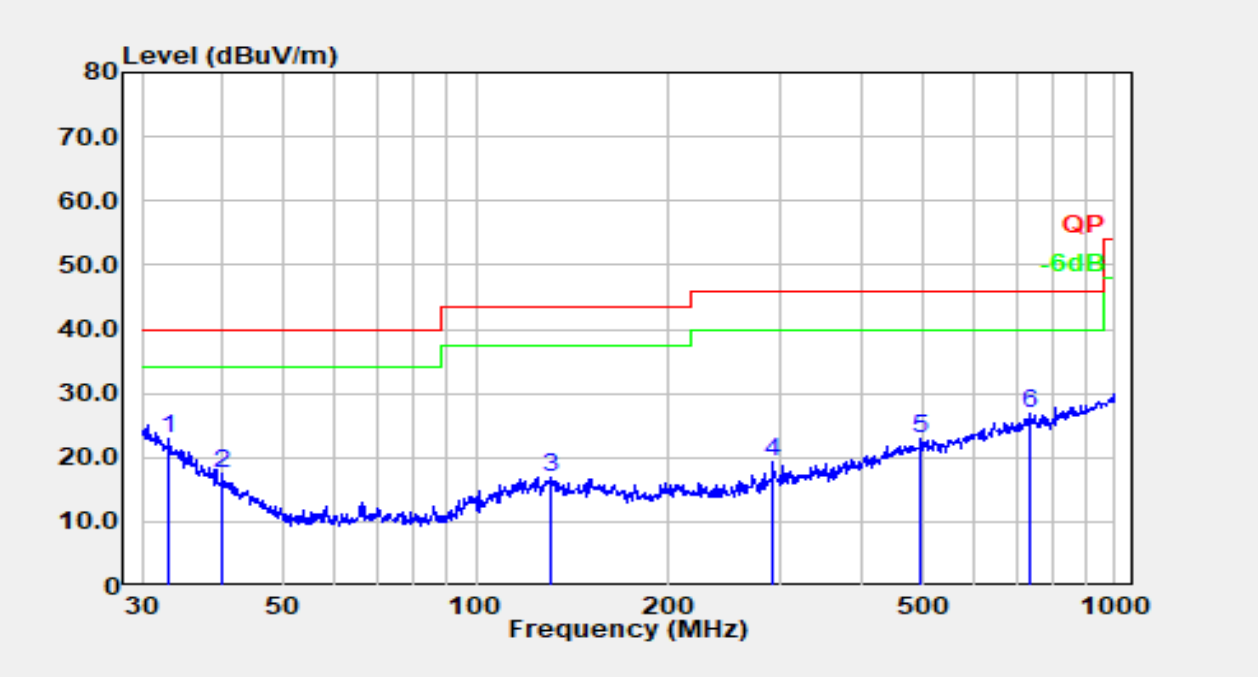
Vertical:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.067	33.02	-5.37	27.65	40.00	12.35	Peak
2	45.695	34.08	-14.88	19.20	40.00	20.80	Peak
3	132.221	29.33	-11.68	17.65	43.50	25.85	Peak
4	191.074	29.67	-13.47	16.20	43.50	27.30	Peak
5	350.477	29.41	-10.23	19.18	46.00	26.82	Peak
6	734.491	29.95	-3.16	26.79	46.00	19.21	Peak

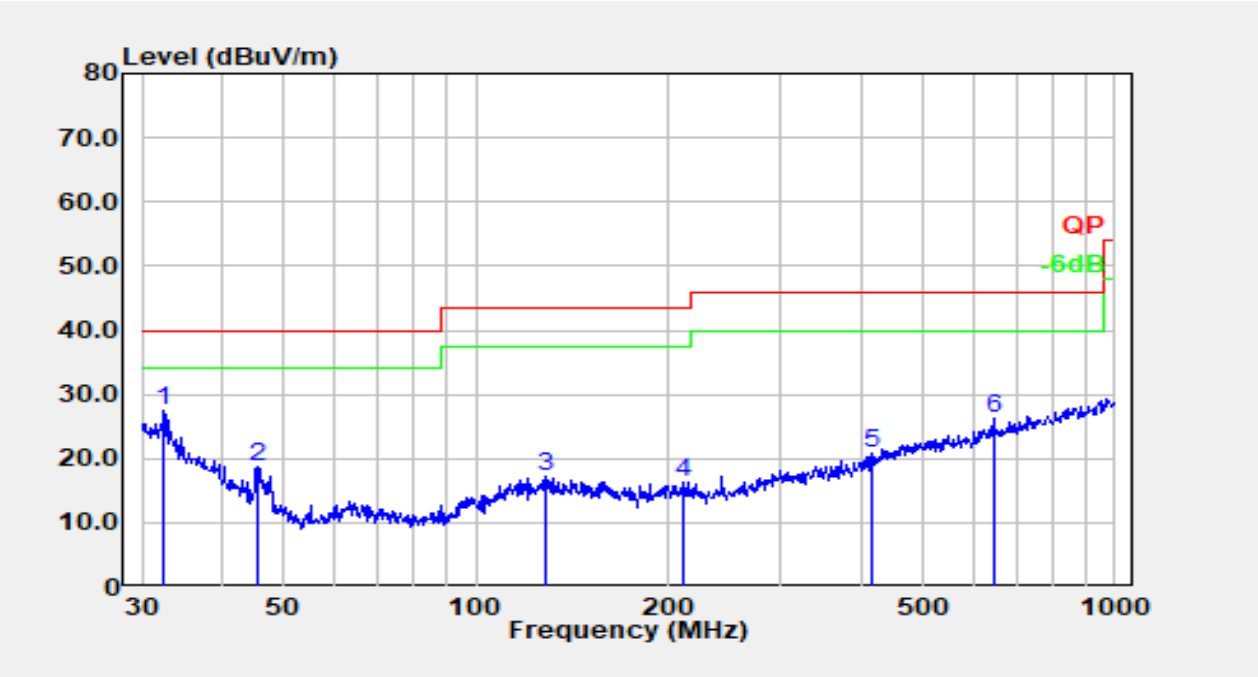
Test Mode: *TM4*

Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	33.095	29.26	-6.19	23.07	40.00	16.93	Peak
2	40.135	28.99	-11.60	17.38	40.00	22.62	Peak
3	130.379	28.50	-11.57	16.94	43.50	26.56	Peak
4	292.058	30.34	-11.10	19.25	46.00	26.75	Peak
5	495.934	29.22	-6.37	22.85	46.00	23.15	Peak
6	734.491	30.17	-3.16	27.01	46.00	18.99	Peak

Vertical:



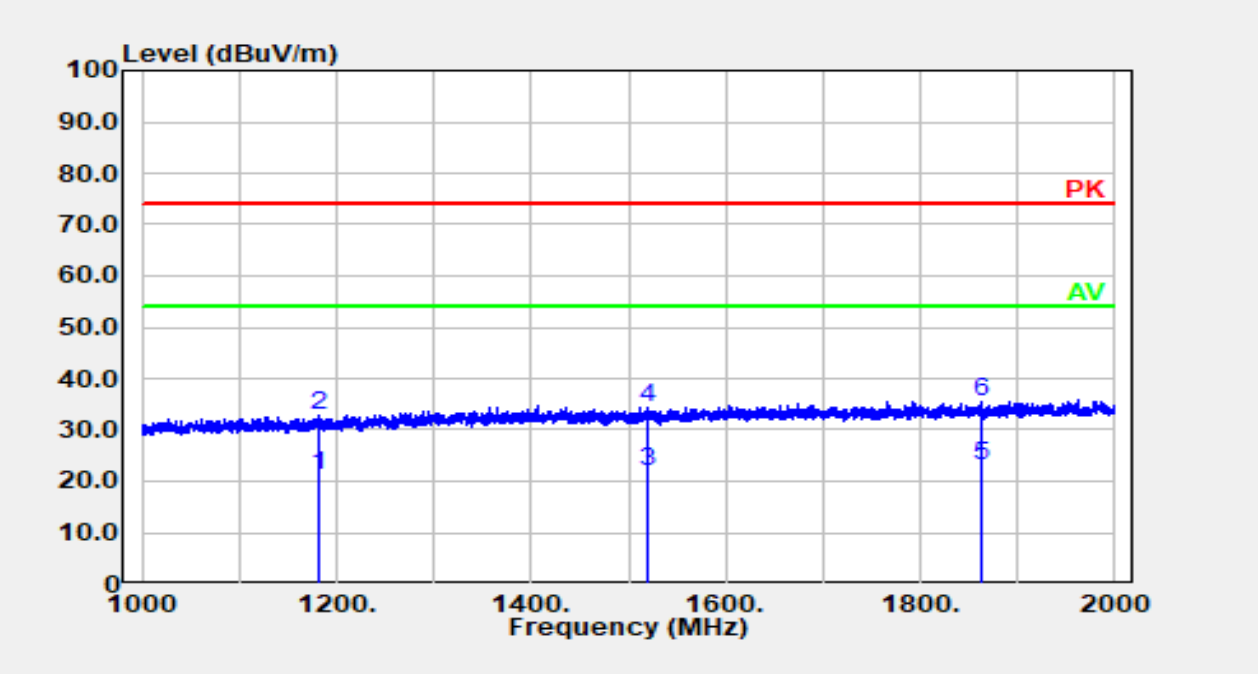
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.520	33.27	-5.74	27.53	40.00	12.47	Peak
2	45.695	33.48	-14.88	18.60	40.00	21.40	Peak
3	128.563	28.70	-11.53	17.17	43.50	26.33	Peak
4	211.527	28.95	-12.66	16.29	43.50	27.21	Peak
5	414.722	29.26	-8.40	20.85	46.00	25.15	Peak
6	645.120	30.85	-4.46	26.39	46.00	19.61	Peak

4.3.2 Above 1GHz Test Data:

Test Mode: *TM3*

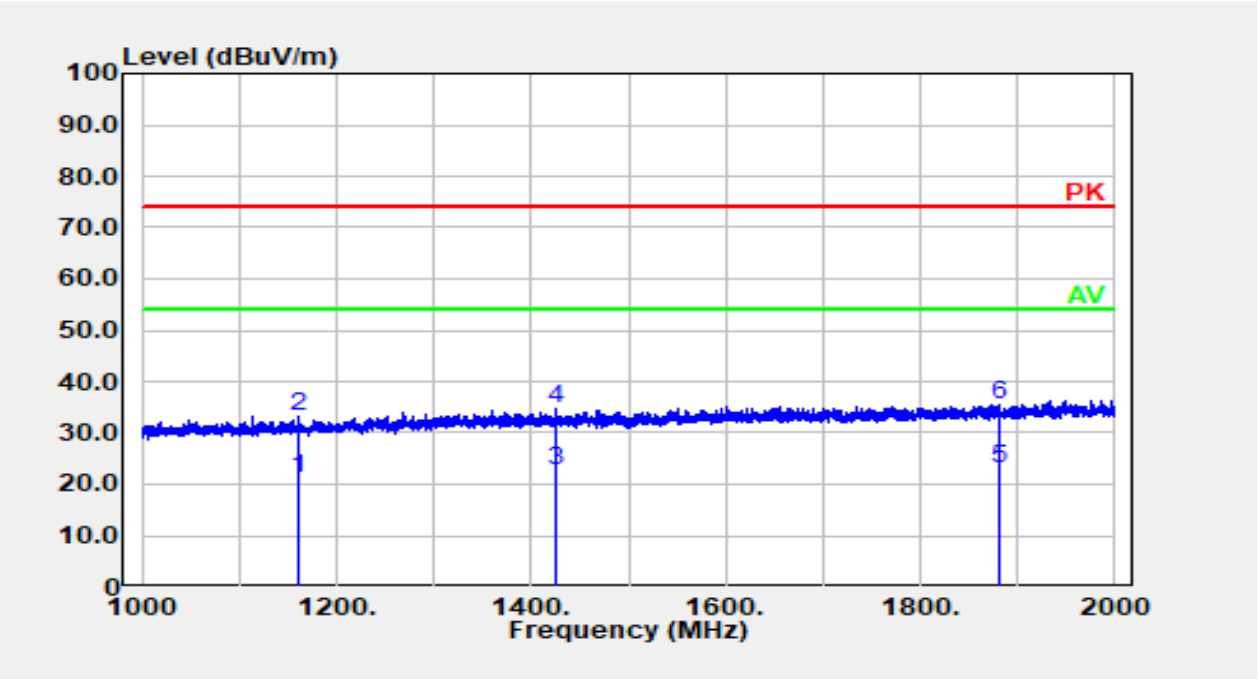
Note: Pre-scan Operating in VHF range & UHF range, worst case is UHF range.

Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1181.236	31.05	-10.03	21.02	54.00	32.98	Average
2	1181.236	43.03	-10.03	33.00	74.00	41.00	Peak
3	1518.504	30.47	-8.52	21.95	54.00	32.05	Average
4	1518.504	43.00	-8.52	34.48	74.00	39.52	Peak
5	1863.173	29.68	-6.56	23.12	54.00	30.88	Average
6	1863.173	41.99	-6.56	35.43	74.00	38.57	Peak

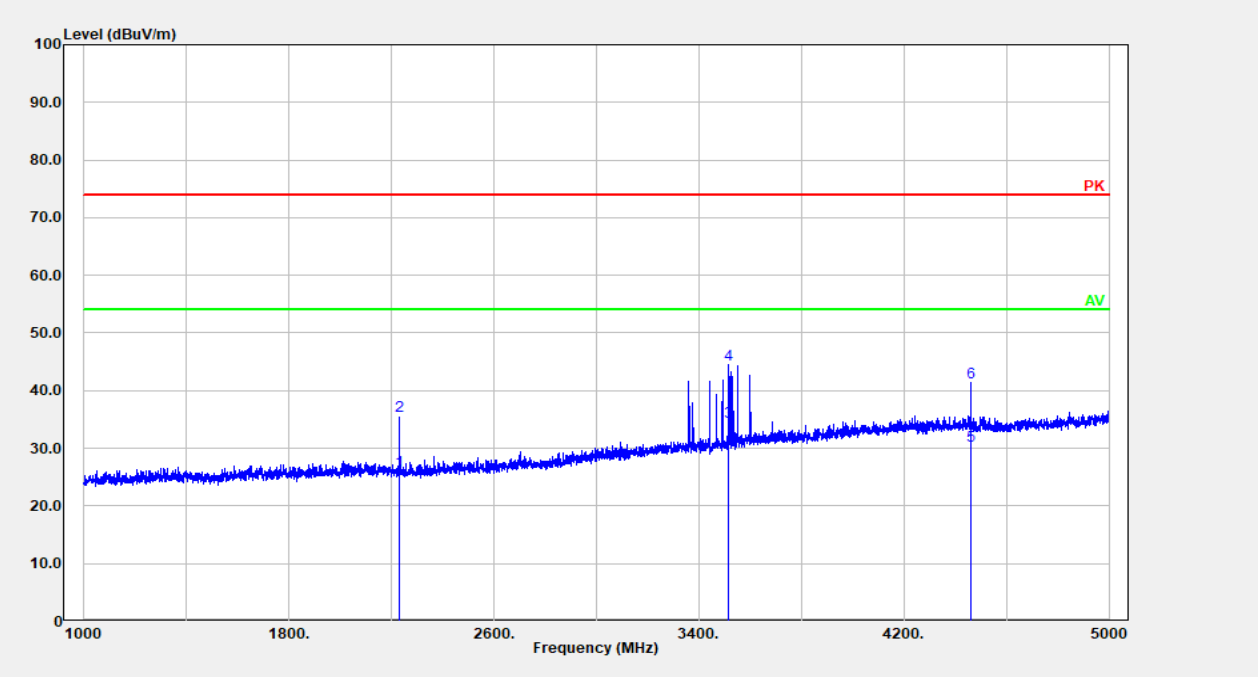
Vertical:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1161.032	31.29	-10.09	21.20	54.00	32.80	Average
2	1161.032	43.12	-10.09	33.03	74.00	40.97	Peak
3	1425.885	31.47	-8.80	22.67	54.00	31.33	Average
4	1425.885	43.54	-8.80	34.74	74.00	39.26	Peak
5	1880.176	29.58	-6.47	23.11	54.00	30.89	Average
6	1880.176	41.94	-6.47	35.47	74.00	38.53	Peak

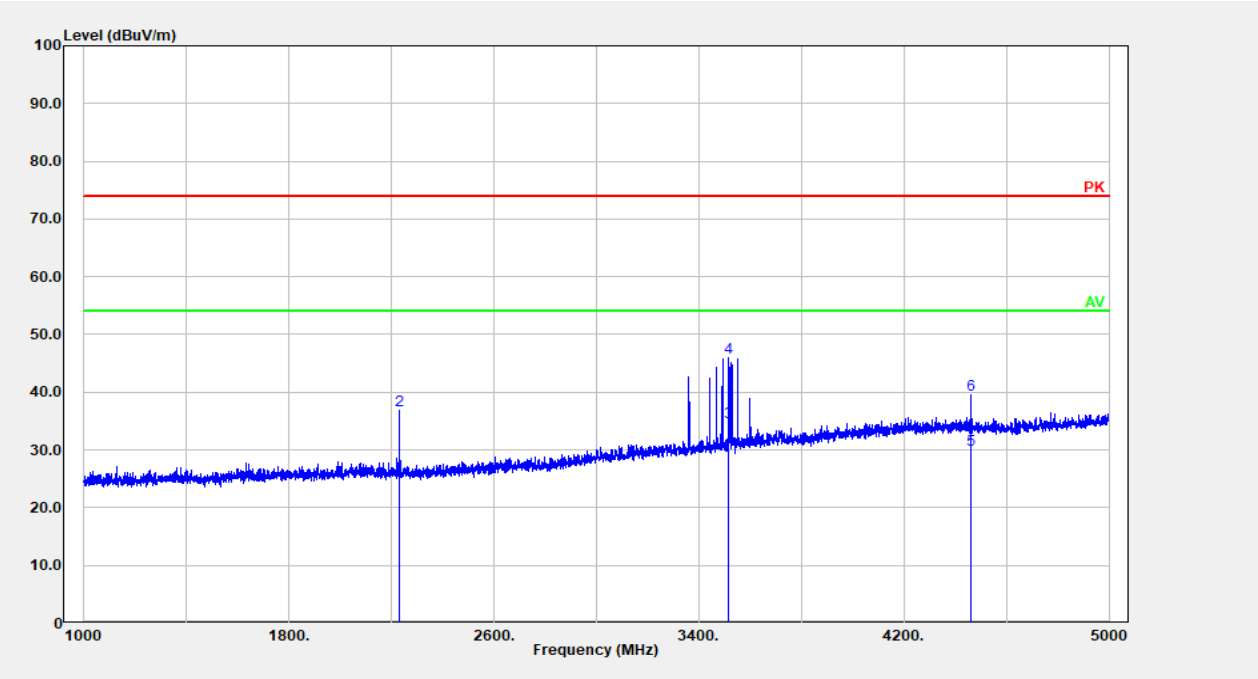
Test Mode: *TM4*

Horizontal:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2229.846	31.49	-5.49	26.00	54.00	28.00	Average
2	2229.846	41.13	-5.49	35.64	74.00	38.36	Peak
3	3515.703	36.42	-1.87	34.55	54.00	19.45	Average
4	3515.703	46.43	-1.87	44.56	74.00	29.44	Peak
5	4461.492	30.27	0.16	30.43	54.00	23.57	Average
6	4461.492	41.18	0.16	41.34	74.00	32.66	Peak

Vertical:



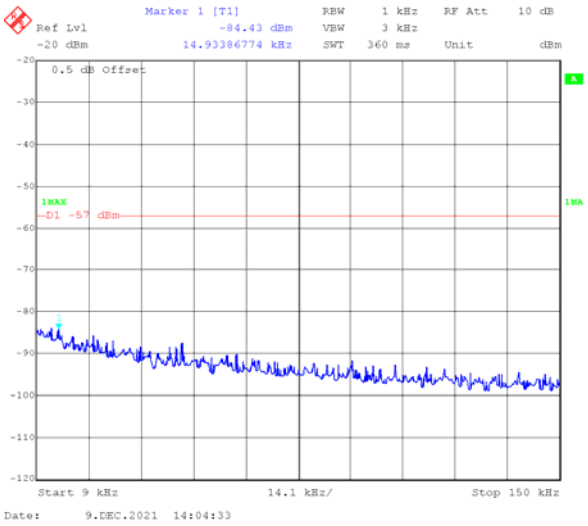
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	2230.646	31.06	-5.49	25.57	54.00	28.43	Average
2	2230.646	42.44	-5.49	36.95	74.00	37.05	Peak
3	3515.703	36.58	-1.87	34.71	54.00	19.29	Average
4	3515.703	47.91	-1.87	46.04	74.00	27.96	Peak
5	4461.492	29.87	0.16	30.03	54.00	23.97	Average
6	4461.492	39.34	0.16	39.50	74.00	34.50	Peak

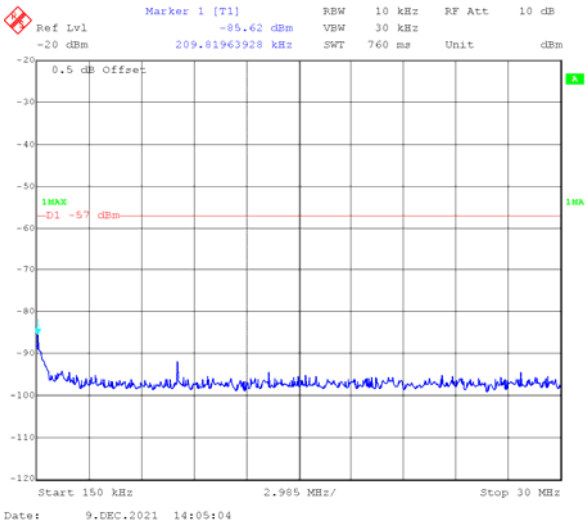
4.4 Antenna Power Conduction Limits for Receivers

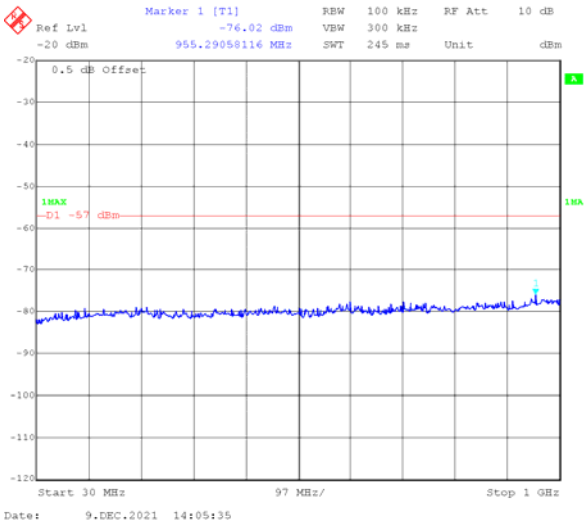
Note: Pre-scan Test Mode: TM2/TM3 (with lowest (or near lowest), middle (or near middle), and highest (or near highest) operating frequency of each mode), and Test Mode TM4, the worst case was recorded in the report.

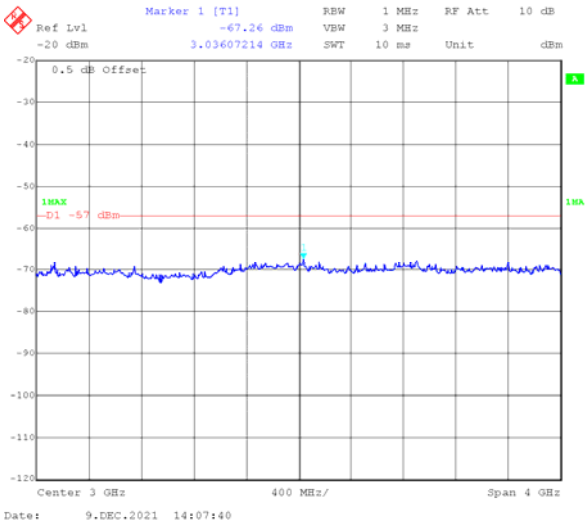
Test Result: Compliance. *Please refer to following plots (worst case).*

Test Mode: TM4









4.5 Scanning Receivers and Frequency Converters Used with Scanning Receivers

Test Mode: *Scanning*

Test Result: Compliance. *Please refer to following table.*

Scanning Frequency Range	Test Frequency	Measurement Result (Worst Case)	Limit
MHz	MHz	dB	dB
136-174	824, 836, 849, 869, 881.5, 894	46	>38
400-520	824, 836, 849, 869, 881.5, 894	44	

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