



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



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-TP8

PRODUCT NAME: Amateur Radio

MODEL(S): TP8,
TP-8S, TP-8X, TP-8Pro, TP-8Plus, TP-8R

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: CR21090046-00A

Date Of Issue: 2021-12-10

Reviewed By: Sun Zhong

Sun Zhong

Title: Manager

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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)

Product Name:	Amateur Radio
Test Model:	TP8
Multiple Model(s):	TP-8S, TP-8X, TP-8Pro, TP-8Plus, TP-8R
Highest Operating Frequency:	520MHz
Rated Input Voltage:	DC 7.4V from Battery, or DC 5V from adapter
Serial Number:	CR21090046-RF-S1
EUT Received Date:	2021.09.29
EUT Received Status:	Good
Note: The Multiple Model(s) are identical with Test Model, please refer to the <i>Declaration of Similar Letter</i> for more detail, which was provided by manufacturer.	

Accessory Information:

Description	Manufacturer	Model	Parameters
Adapter	PO FUNG ELECTRONIC(HK) INTERNATIOANL GROUP COMPANY	BF-0502000	Input: AC 100V-240V 50/60Hz 0.5A Output: DC 5V 2A

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

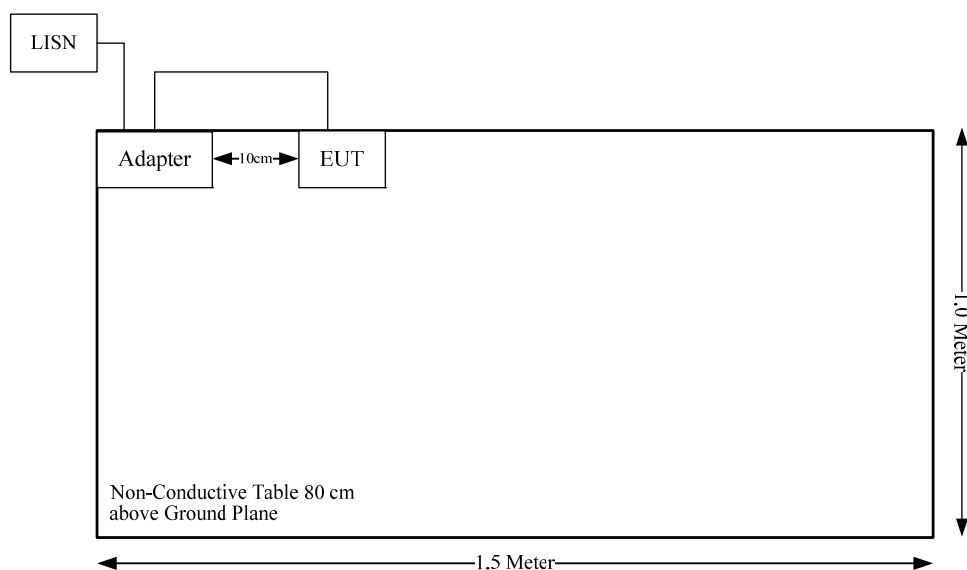
Manufacturer	Description	Model	Serial Number
HP	RF Communications Test Set	8920A	3438A05201
/	ANT	/	/

1.3.3 Support Cable List and Details

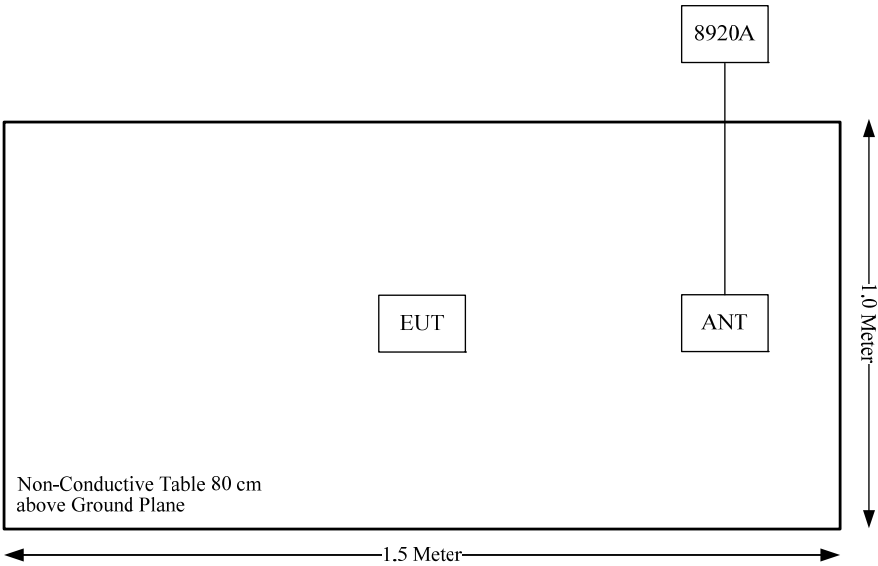
Cable Description	Shielding Cable	Ferrite Core	Length (m)	From Port	To
Coaxial Cable	Yes	No	2	8920A	ANT
Adapter Cable	No	No	1.2	Adapter	EUT

1.3.4 Block Diagram of Test Setup

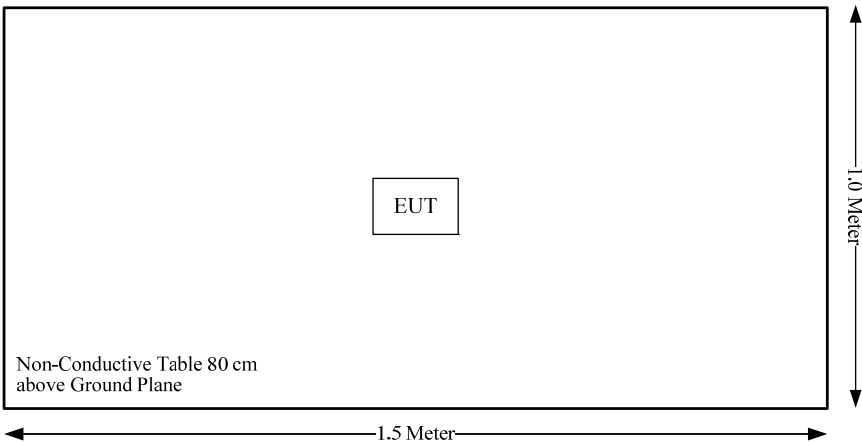
TM1:



TM2&TM3:



TM4:



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

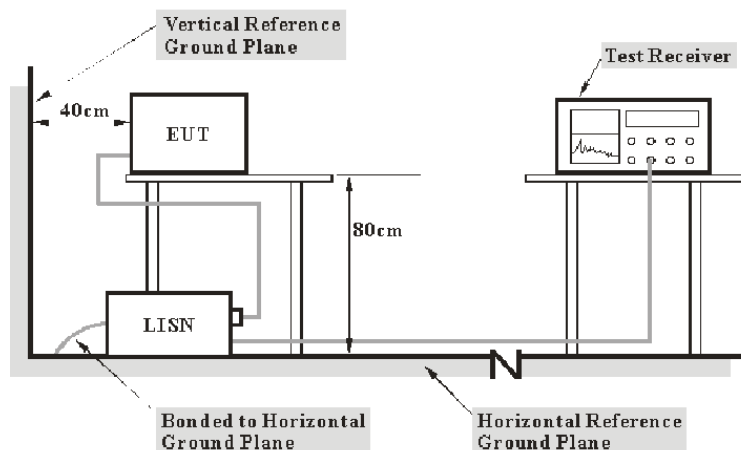
2. SUMMARY OF TEST RESULTS

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

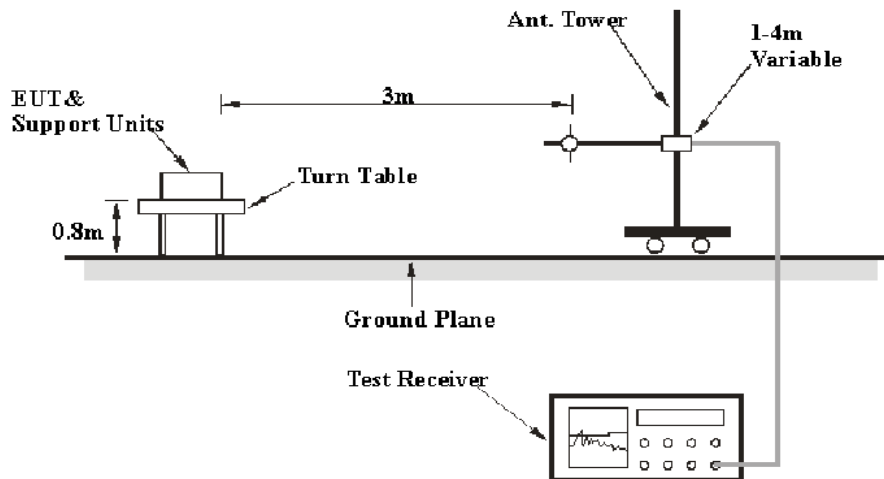
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit.
The equation for margin calculation is as follows:

Margin = Limit – Result

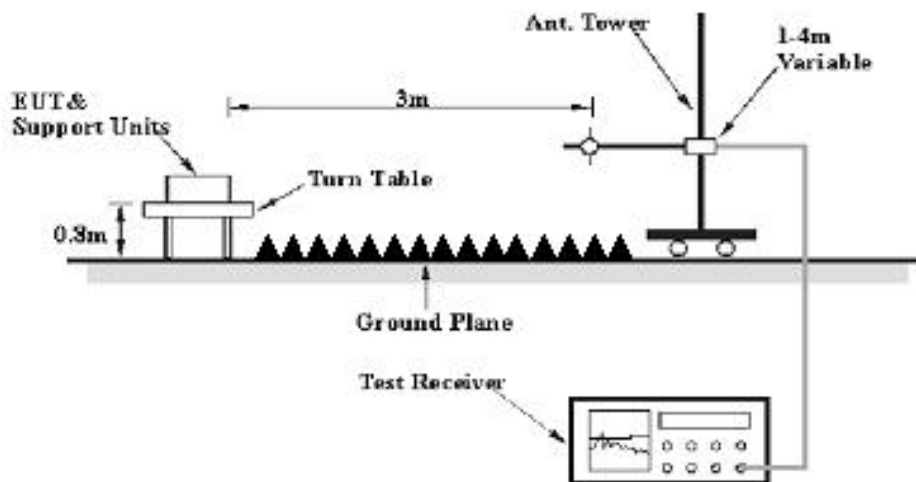
3.2 Radiation Spurious Emissions

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

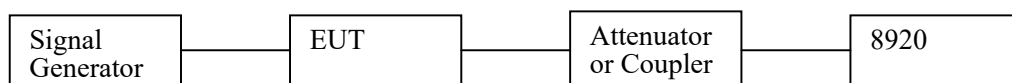
Applicable Standard

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 its 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 its 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:		2021-11-11			
Tester:		Nick Tang			
Environmental Conditions:					
Temperature: (°C)	24.4	Relative Humidity: (%)	66	ATM Pressure: (kPa)	100.5

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:		2021-10-15~2021-11-11			
Tester:		Great Qiao, Tommy Luo			
Environmental Conditions:					
Temperature: (°C)	24.1~24.2	Relative Humidity: (%)	64~68	ATM Pressure: (kPa)	100.9~101.2

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	2021-08-08	2022-08-07

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:		2021.12.10			
Tester:		Lao Zou			
Environmental Conditions:					
Temperature: (°C)	23.6	Relative Humidity: (%)	51	ATM Pressure: (kPa)	101.7

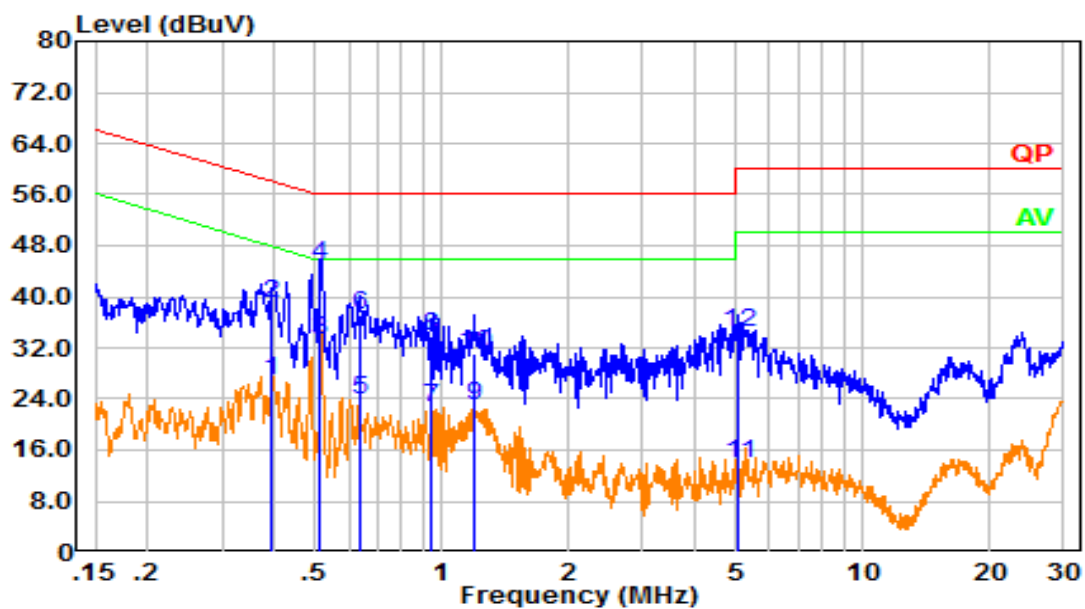
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Signal Analyzer	FSIQ26	831929/006	2021-07-22	2022-07-21
YINSAIGE	Coaxial Cable	LMR300	NJ0100001	2021-08-08	2022-08-07
Mini-Circuits	DC Block	BLK-18-S+	1554404	2021-08-08	2022-08-07
Weinschel	Coaxial Attenuators	53-20-34	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

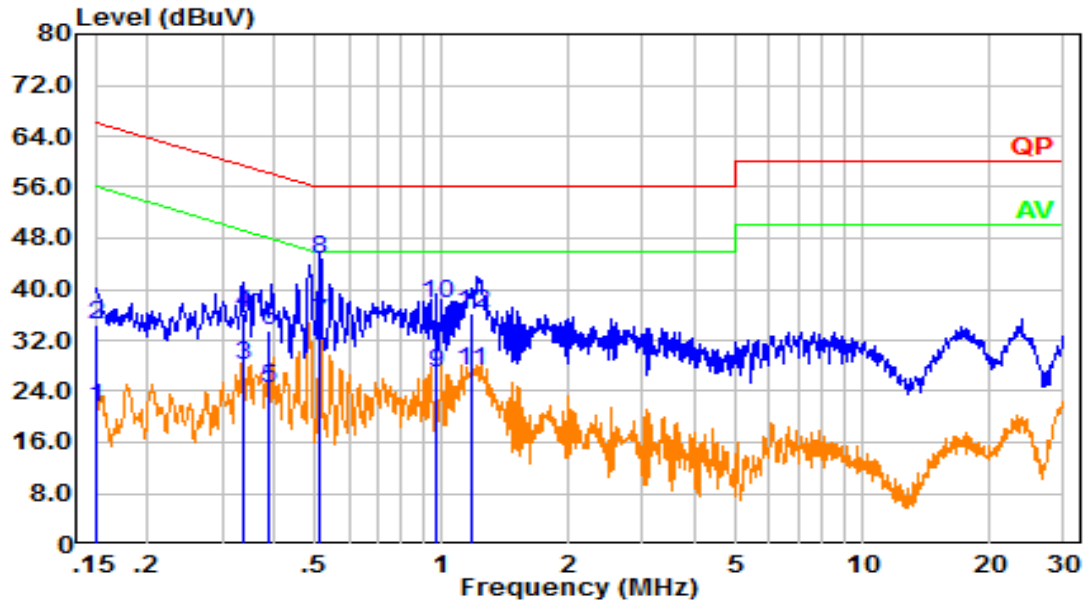
Test Mode: *TM1*

Line:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.395	17.35	9.61	26.96	47.97	21.01	Average
2	0.395	29.28	9.61	38.89	57.97	19.08	QP
3	0.515	23.72	9.61	33.34	46.00	12.66	Average
4	0.515	35.24	9.61	44.85	56.00	11.15	QP
5	0.637	14.35	9.62	23.97	46.00	22.03	Average
6	0.637	27.48	9.62	37.10	56.00	18.90	QP
7	0.944	13.08	9.62	22.70	46.00	23.30	Average
8	0.944	24.20	9.62	33.82	56.00	22.18	QP
9	1.190	13.40	9.62	23.02	46.00	22.98	Average
10	1.190	21.51	9.62	31.13	56.00	24.87	QP
11	5.064	4.10	9.66	13.76	50.00	36.24	Average
12	5.064	24.69	9.66	34.35	60.00	25.65	QP

Neutral:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.151	11.87	9.61	21.48	55.94	34.46	Average
2	0.151	24.78	9.61	34.39	65.94	31.54	QP
3	0.335	18.34	9.61	27.95	49.32	21.38	Average
4	0.335	26.68	9.61	36.29	59.32	23.04	QP
5	0.387	14.84	9.61	24.45	48.13	23.68	Average
6	0.387	23.94	9.61	33.55	58.13	24.57	QP
7	0.513	25.03	9.61	34.65	46.00	11.35	Average
8	0.513	35.19	9.61	44.80	56.00	11.20	QP
9	0.965	17.20	9.62	26.82	46.00	19.18	Average
10	0.965	28.08	9.62	37.70	56.00	18.30	QP
11	1.178	17.69	9.62	27.32	46.00	18.68	Average
12	1.178	26.71	9.62	36.33	56.00	19.67	QP

4.3 Radiation Spurious Emissions Test

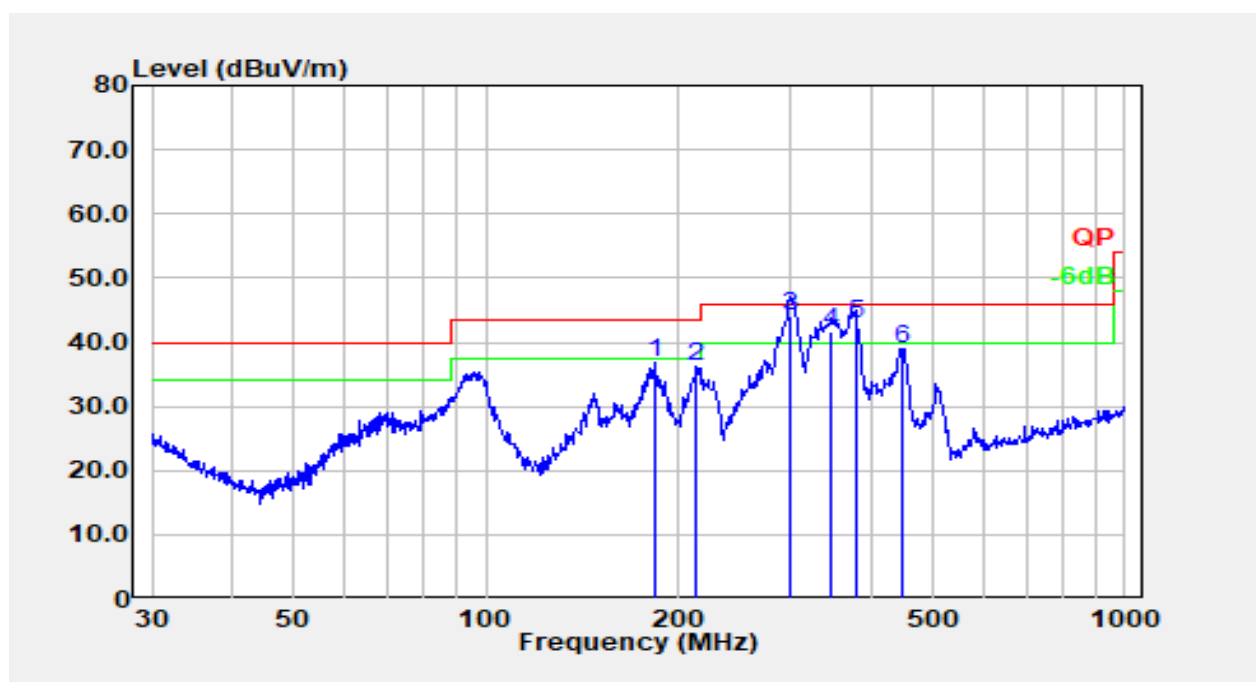
Note:

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:

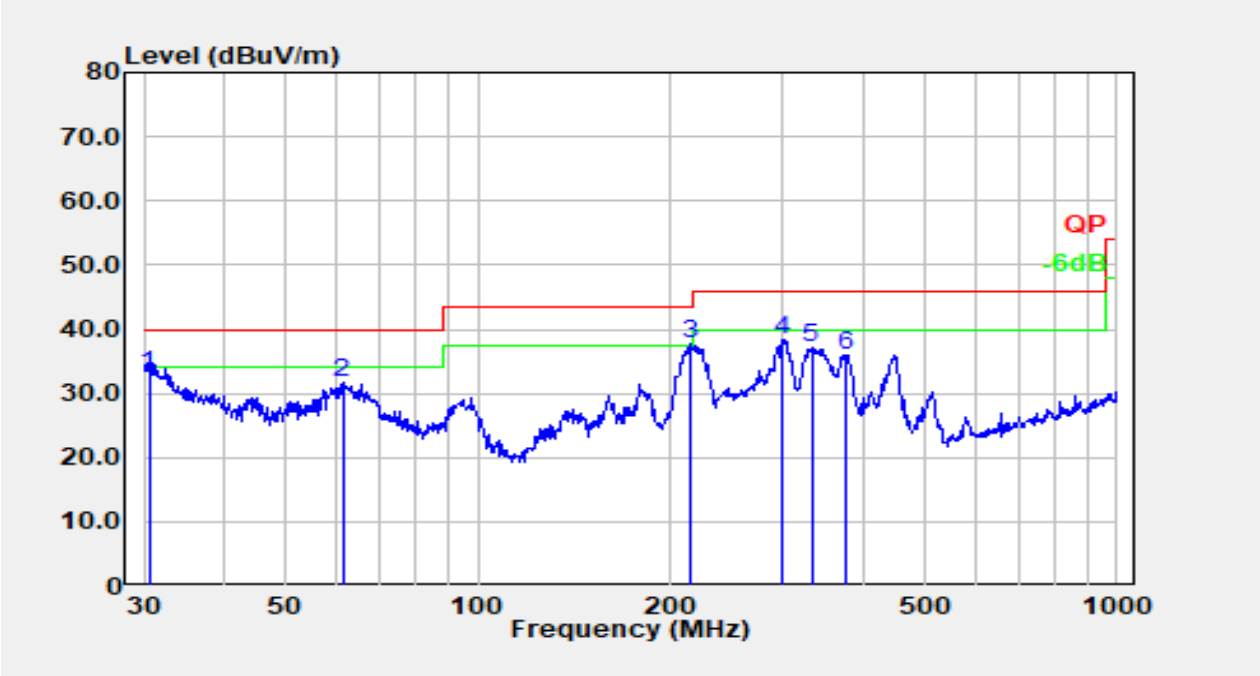
Test Mode: *TM1*

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	183.201	50.43	-13.74	36.69	43.50	6.81	Peak
2	213.763	49.00	-12.75	36.25	43.50	7.25	Peak
3	298.268	55.00	-10.86	44.14	46.00	1.86	QP
4	348.027	51.90	-10.24	41.66	46.00	4.34	QP
5	378.584	52.30	-9.38	42.92	46.00	3.08	QP
6	447.982	46.30	-7.24	39.06	46.00	6.94	Peak

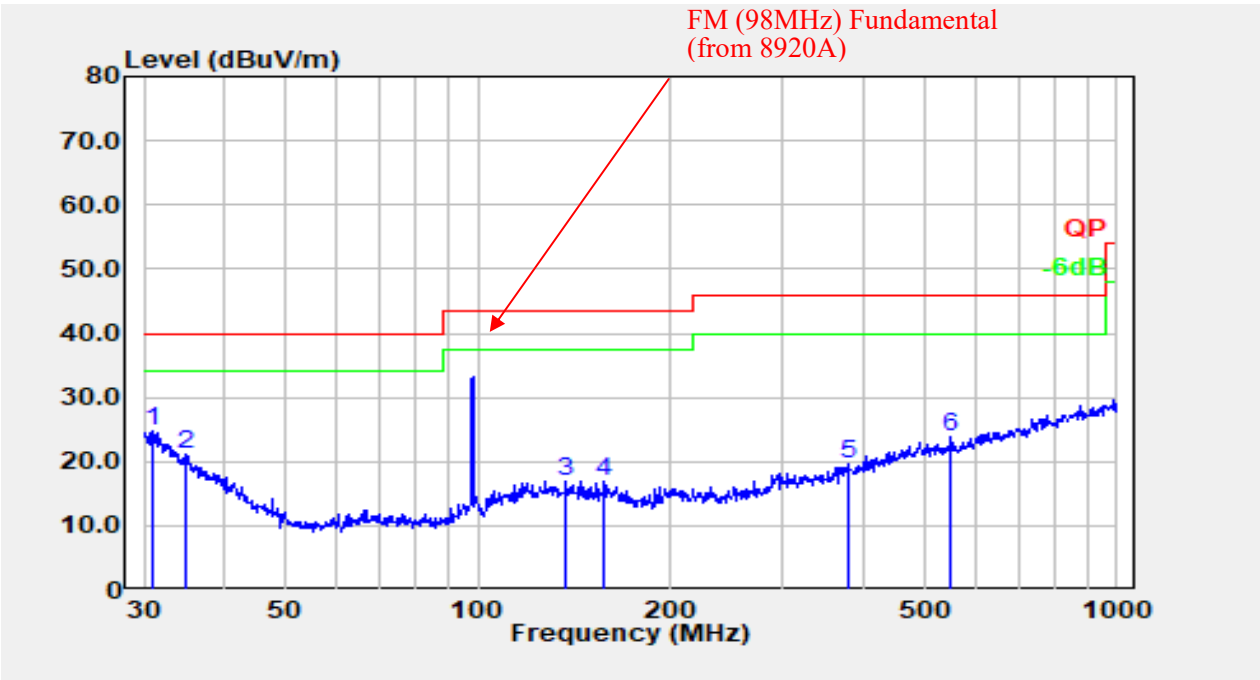
Vertical:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	37.20	-4.20	33.00	40.00	7.00	QP
2	61.346	49.30	-17.55	31.75	40.00	8.25	Peak
3	214.514	50.50	-12.78	37.72	43.50	5.78	QP
4	300.367	49.25	-10.81	38.44	46.00	7.56	Peak
5	332.519	47.50	-10.37	37.12	46.00	8.88	Peak
6	375.939	45.49	-9.48	36.00	46.00	10.00	Peak

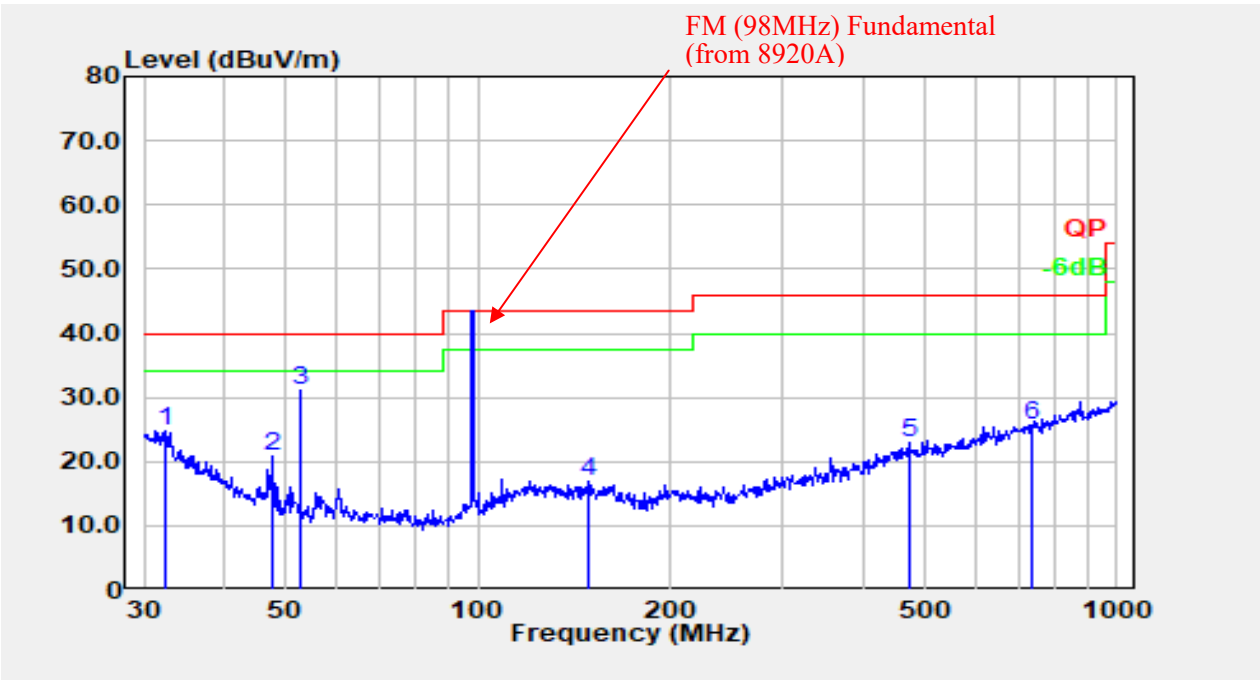
Test Mode: *TM2*

Horizontal:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.071	29.45	-4.61	24.83	40.00	15.17	Peak
2	35.005	28.95	-7.67	21.27	40.00	18.73	Peak
3	137.420	29.05	-12.00	17.05	43.50	26.45	Peak
4	157.559	29.22	-12.31	16.92	43.50	26.58	Peak
5	378.584	28.96	-9.38	19.58	46.00	26.42	Peak
6	550.948	29.95	-5.98	23.97	46.00	22.03	Peak

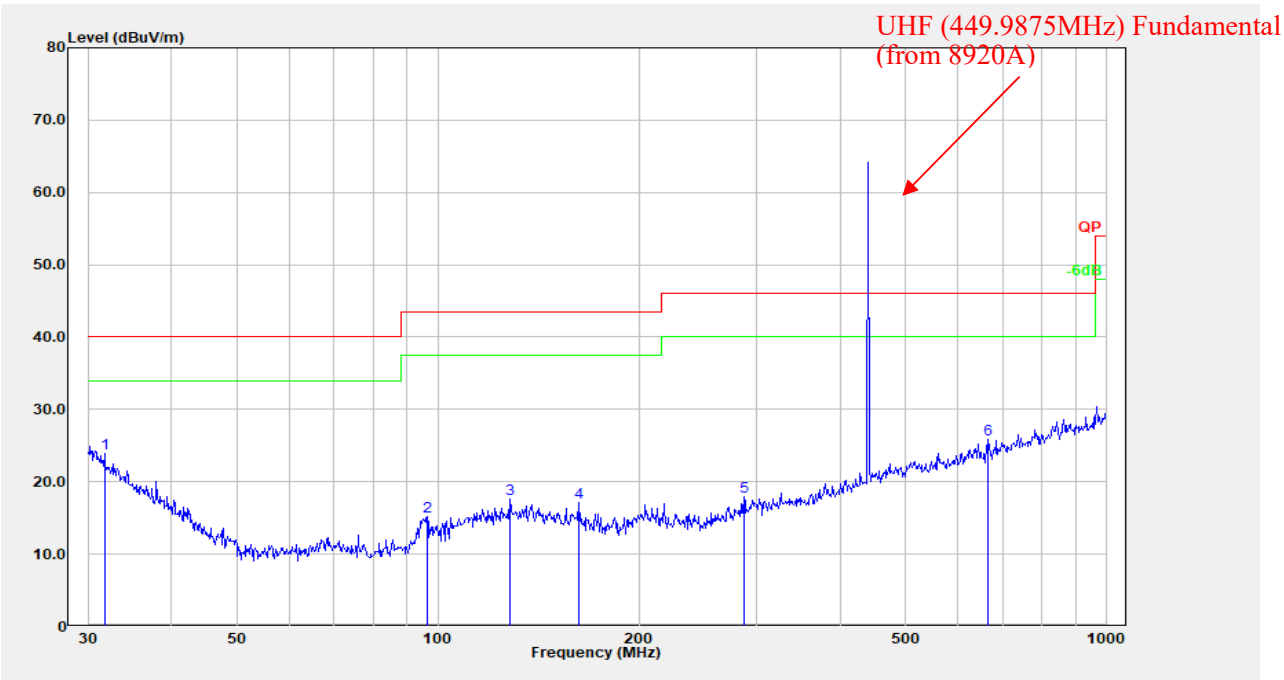
Vertical:



No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	32.520	30.45	-5.74	24.71	40.00	15.29	Peak
2	47.659	36.92	-16.04	20.88	40.00	19.12	Peak
3	52.760	48.66	-17.45	31.21	40.00	8.79	Peak
4	149.486	29.27	-12.26	17.01	43.50	26.49	Peak
5	472.176	29.42	-6.56	22.85	46.00	23.15	Peak
6	734.491	28.86	-3.16	25.70	46.00	20.30	Peak

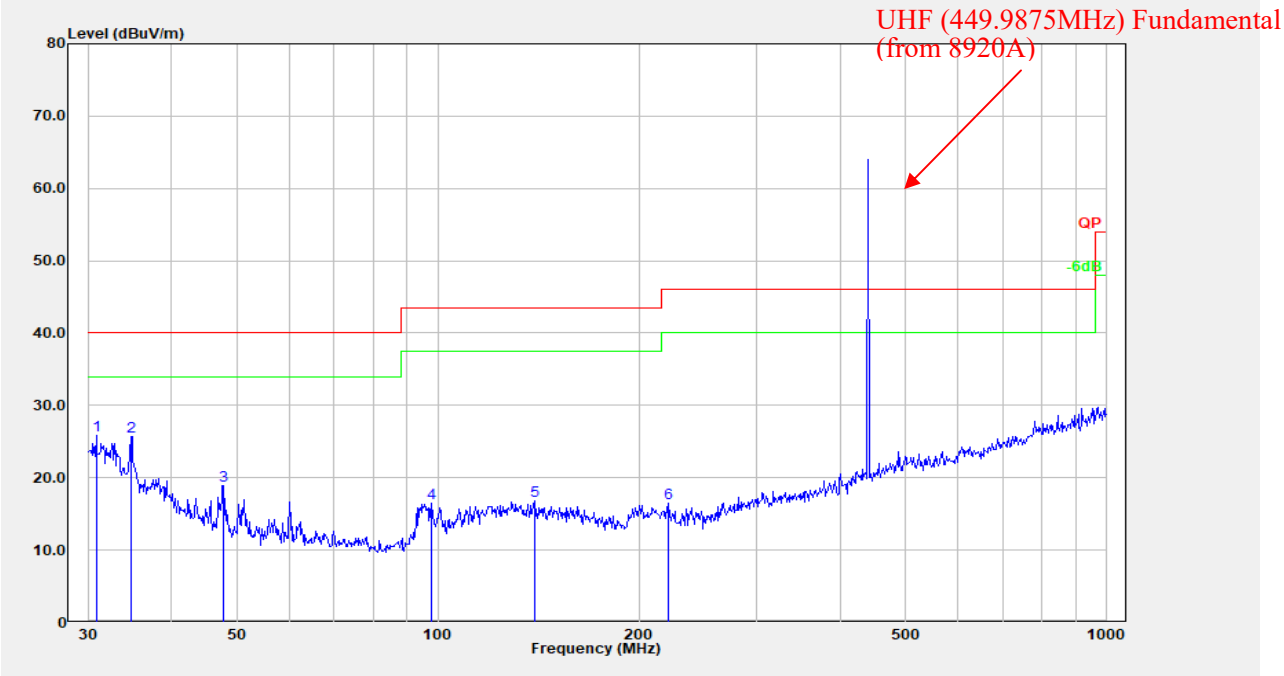
Test Mode: TM3

Horizontal:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.731	29.00	-5.12	23.88	40.00	16.12	Peak
2	96.436	30.61	-15.48	15.13	43.50	28.37	Peak
3	128.113	29.15	-11.52	17.63	43.50	25.87	Peak
4	162.611	29.60	-12.54	17.05	43.50	26.45	Peak
5	286.982	29.39	-11.41	17.98	46.00	28.02	Peak
6	665.804	30.26	-4.38	25.88	46.00	20.12	Peak

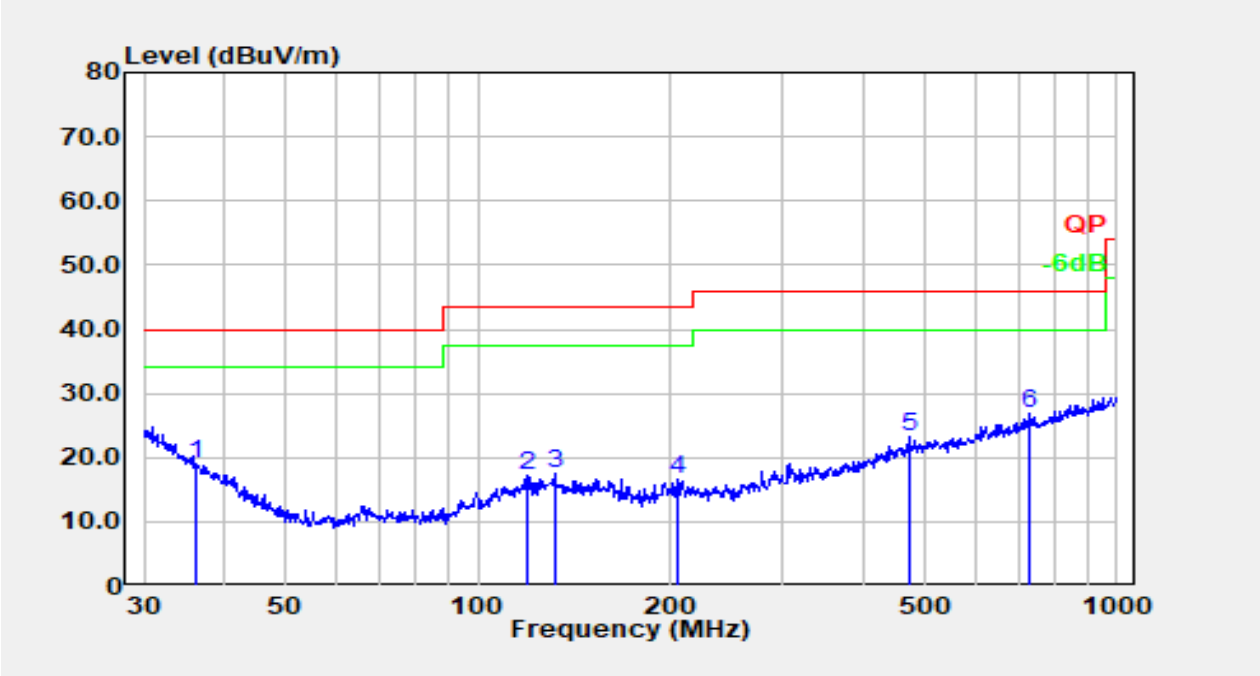
Vertical:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.853	30.33	-4.45	25.89	40.00	14.11	Peak
2	34.760	33.17	-7.48	25.70	40.00	14.30	Peak
3	47.826	35.12	-16.14	18.99	40.00	21.01	Peak
4	97.798	31.67	-15.11	16.56	43.50	26.94	Peak
5	139.851	28.90	-12.12	16.78	43.50	26.72	Peak
6	221.392	29.49	-12.98	16.51	46.00	29.49	Peak

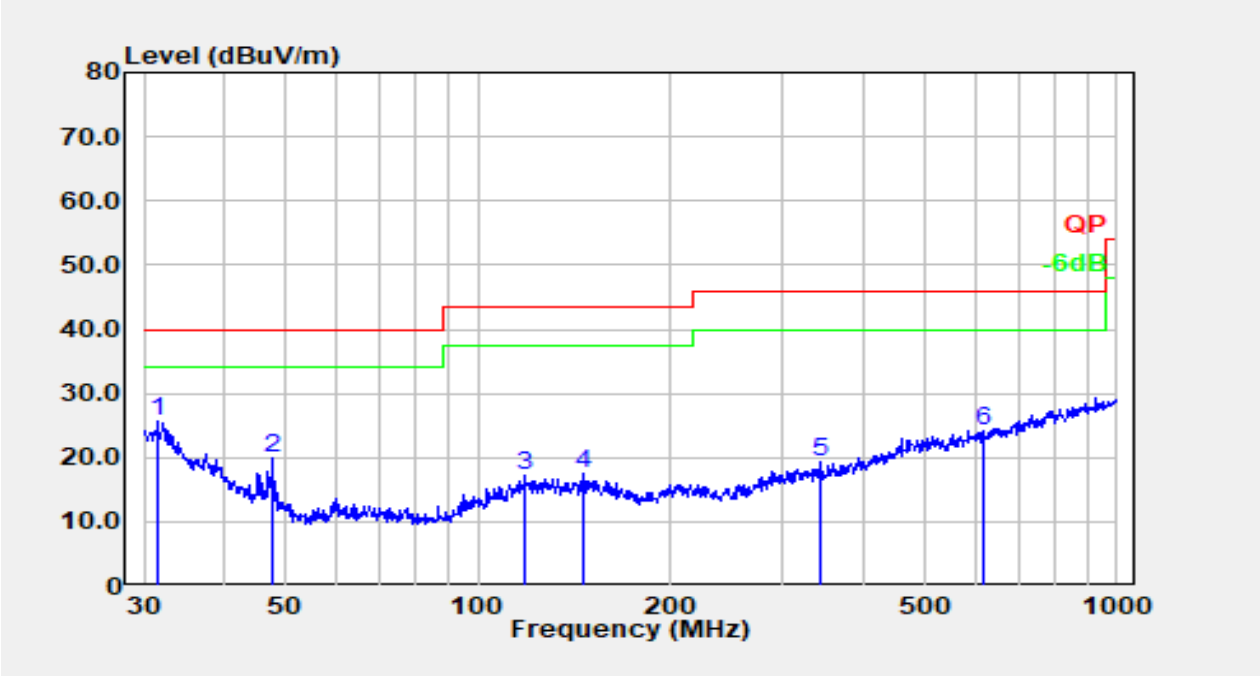
Test Mode: *TM4*

Horizontal:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	36.254	27.57	-8.62	18.96	40.00	21.04	Peak
2	119.856	29.05	-11.75	17.30	43.50	26.20	Peak
3	131.758	29.02	-11.64	17.39	43.50	26.11	Peak
4	204.955	29.20	-12.53	16.67	43.50	26.83	Peak
5	472.176	29.83	-6.56	23.26	46.00	22.74	Peak
6	726.805	30.26	-3.31	26.95	46.00	19.05	Peak

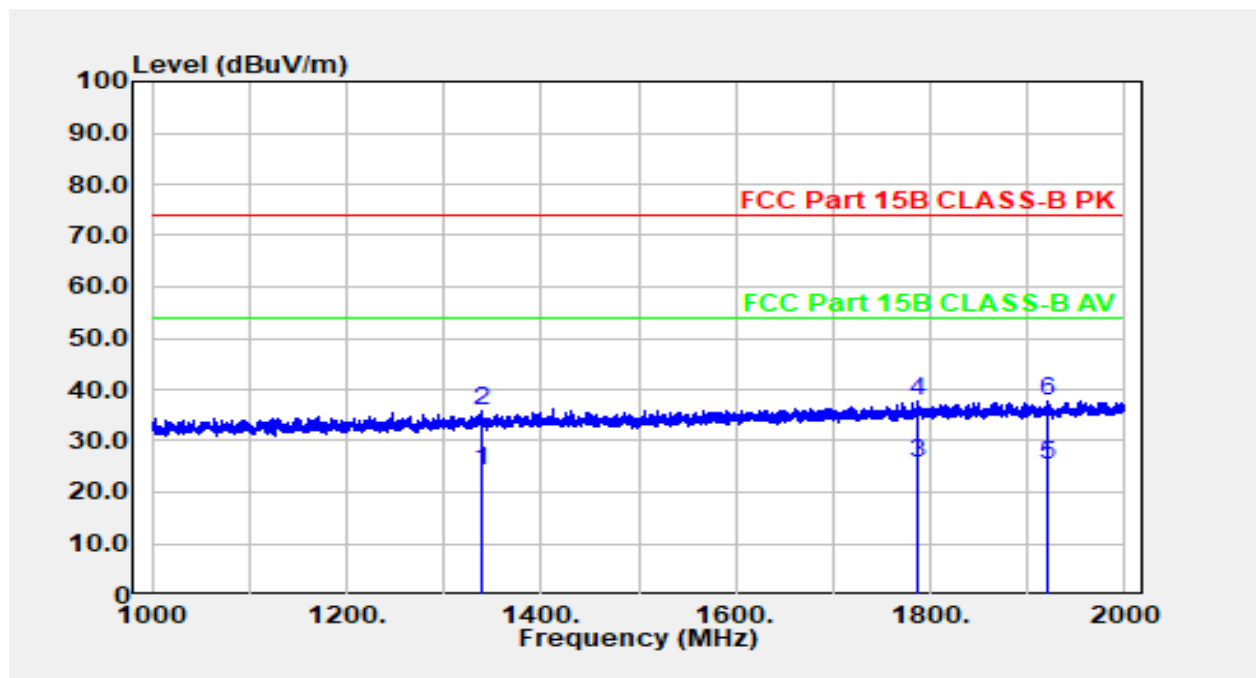
Vertical:



4.3.2 Above 1GHz Test Data:

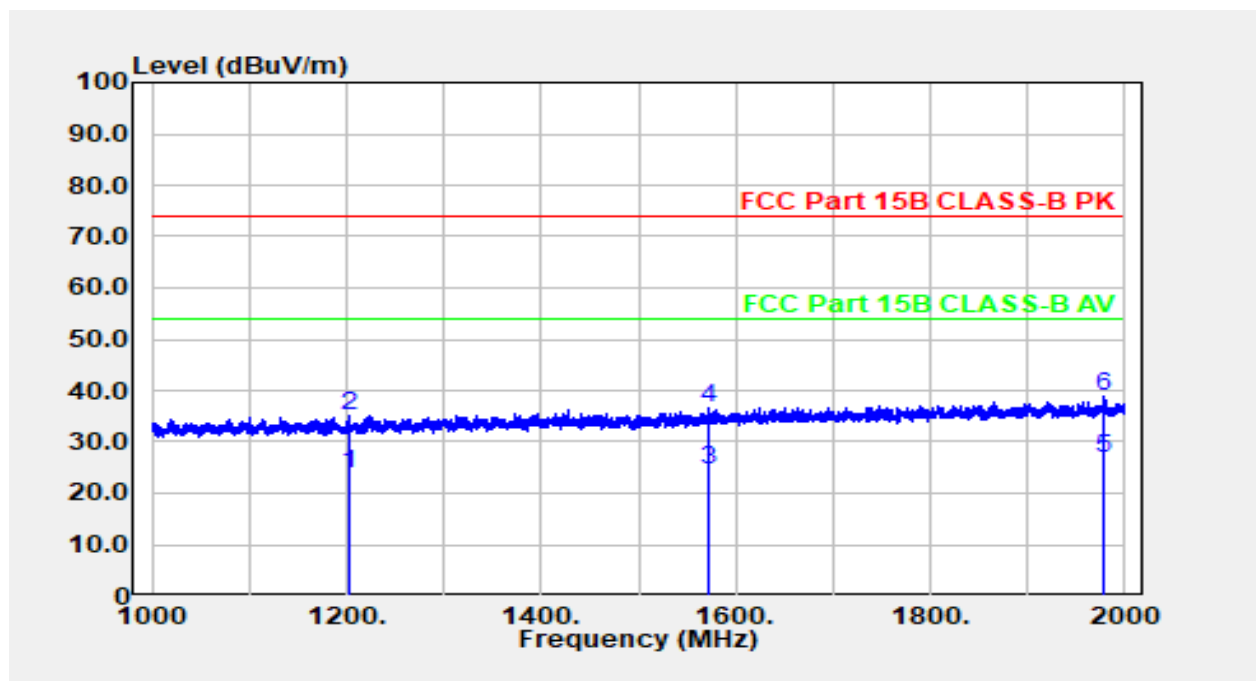
Test Mode: *TM3*

Horizontal:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1339.668	25.36	-1.04	24.32	54.00	29.68	Average
2	1339.668	37.01	-1.04	35.97	74.00	38.03	Peak
3	1787.157	24.13	1.43	25.56	54.00	28.44	Average
4	1787.157	36.35	1.43	37.78	74.00	36.22	Peak
5	1919.784	23.43	2.04	25.47	54.00	28.53	Average
6	1919.784	35.61	2.04	37.65	74.00	36.35	Peak

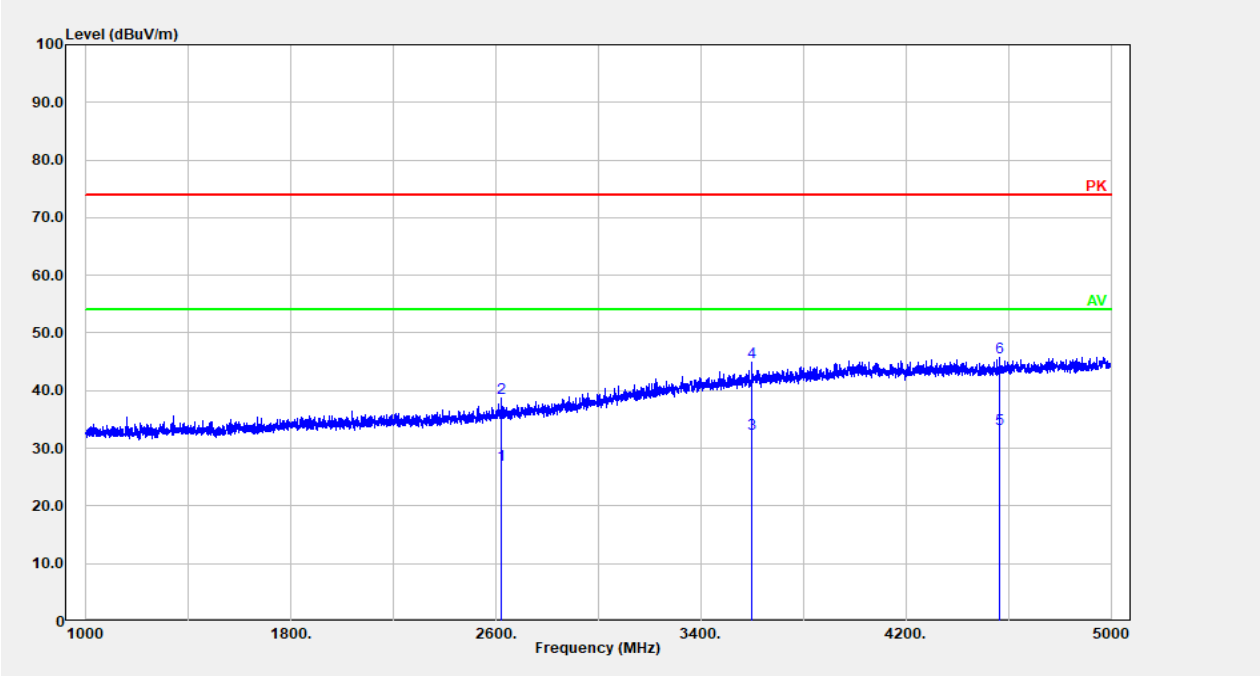
Vertical:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1203.041	25.73	-1.93	23.80	54.00	30.20	Average
2	1203.041	37.07	-1.93	35.14	74.00	38.86	Peak
3	1571.714	24.35	0.05	24.40	54.00	29.60	Average
4	1571.714	36.60	0.05	36.65	74.00	37.35	Peak
5	1976.995	24.35	2.27	26.62	54.00	27.38	Average
6	1976.995	36.52	2.27	38.79	74.00	35.21	Peak

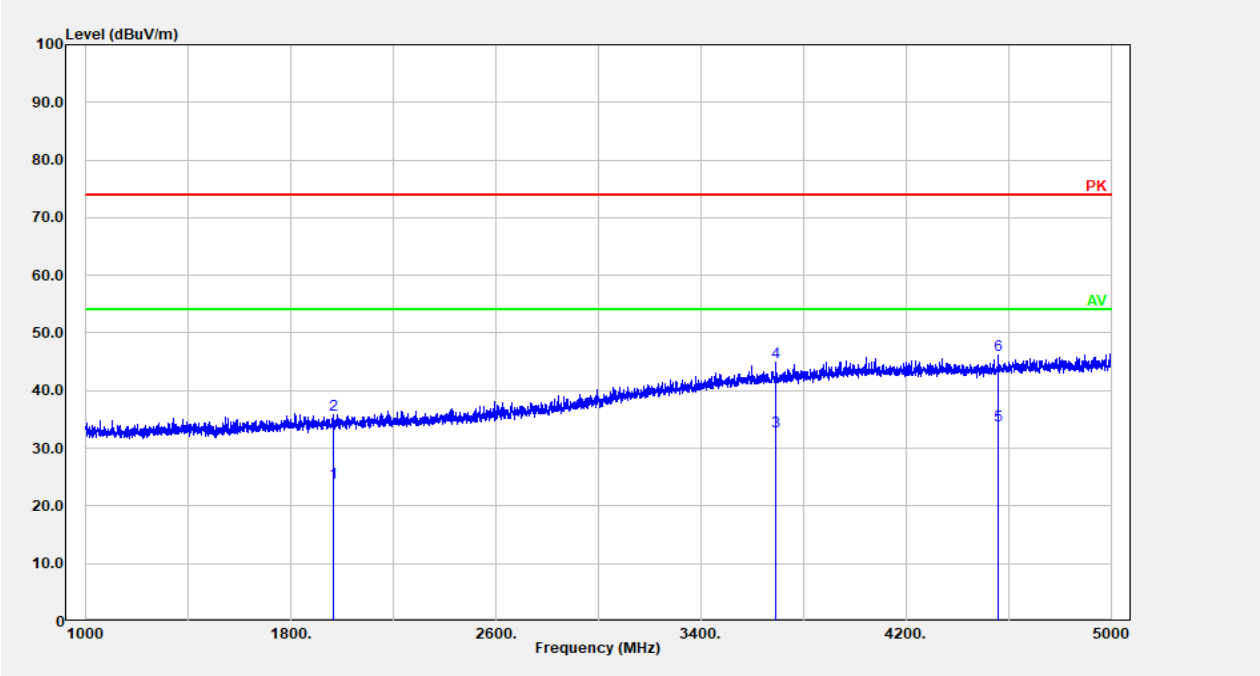
Test Mode: TM4

Horizontal:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2622.725	22.65	4.41	27.06	54.00	26.94	Average
2	2622.725	34.22	4.41	38.63	74.00	35.37	Peak
3	3599.720	23.40	9.05	32.45	54.00	21.55	Average
4	3599.720	35.86	9.05	44.91	74.00	29.09	Peak
5	4564.713	23.39	9.96	33.35	54.00	20.65	Average
6	4564.713	35.73	9.96	45.69	74.00	28.31	Peak

Vertical:



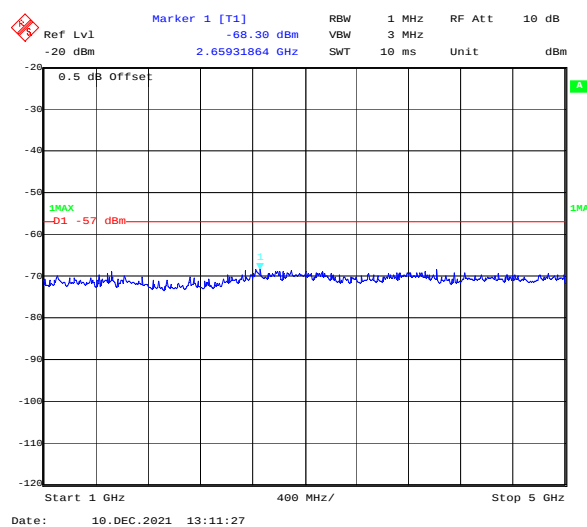
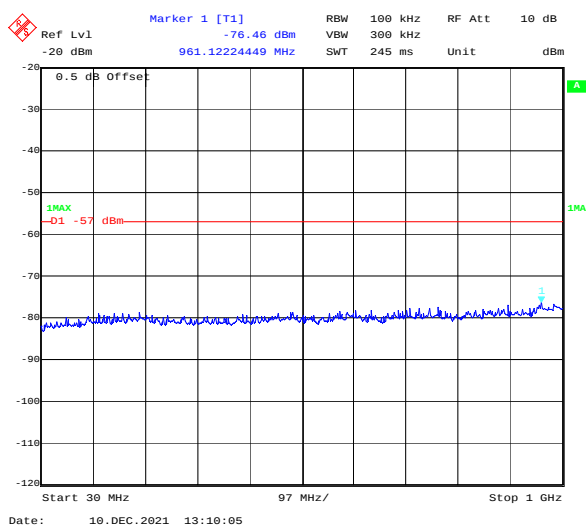
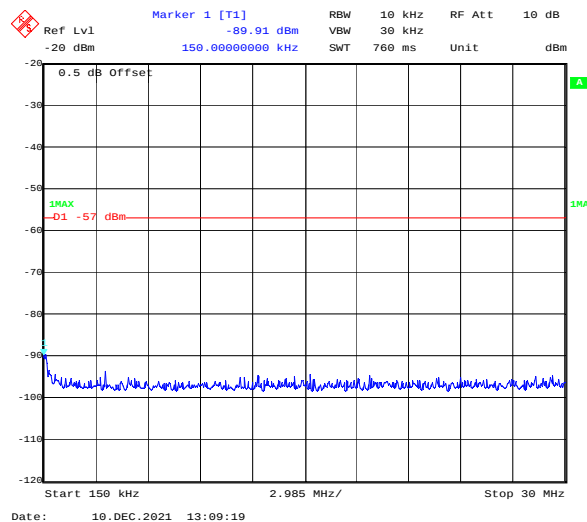
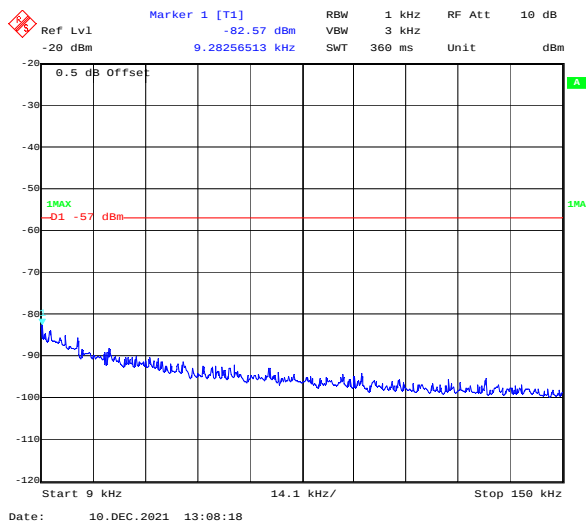
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1965.793	21.74	2.22	23.96	54.00	30.04	Average
2	1965.793	33.69	2.22	35.91	74.00	38.09	Peak
3	3693.339	23.75	9.17	32.92	54.00	21.08	Average
4	3693.339	35.85	9.17	45.02	74.00	28.98	Peak
5	4559.112	24.05	9.93	33.98	54.00	20.02	Average
6	4559.112	36.17	9.93	46.10	74.00	27.90	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	45	>38
400-520	824, 836, 849, 869, 881.5, 894	45	

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