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

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **INGENICO**

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

FCC ID: **XKB-DX4LOBCLWB**

Product Name: **Smart POS Terminal**

Standard(s): **47 CFR Part 15, Subpart C(15.247)**
ANSI C63.10-2013
KDB 558074 D01 15.247 Meas Guidance v05r02

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

Report Number: **CR221263969-00B**

Date Of Issue: **2023/3/28**

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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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR221263969-00B	Original Report	2023/3/28

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Smart POS Terminal
EUT Model:	AXIUM DX4000
Operation Frequency:	2402-2480 MHz
Maximum Peak Output Power (Conducted):	8.35 dBm
Modulation Type:	GFSK, π/4-DQPSK, 8DPSK
Rated Input Voltage:	5Vdc from adapter or 7.2Vdc/7.4Vdc from battery
Serial Number:	1XBG-2
EUT Received Date:	2023/1/5
EUT Received Status:	Good

Operation Frequency Detail:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	40	2442
1	2403	41	2443
…	…	…	…
…	…	…	…
..	…	78	2480
39	2441	/	/

Per section 15.31(m), the below frequencies were performed the test as below:

Test Channel	Frequency (MHz)
Lowest	2402
Middle	2441
Highest	2480

Antenna Information Detail▲:

Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
FPC	50	2.4~2.5GHz	0.84 dBi

The Method of §15.203 Compliance:

☒Antenna must be permanently attached to the unit.

☐Antenna must use a unique type of connector to attach to the EUT.

☐Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

Accessory Information:

Accessory Description	Manufacturer	Model
Adapter 1#	Xiamen Keli Electronics Co., Ltd	SW-0983
Adapter 2#	Jiangxi Jian Aohai Technology Co., Ltd	A319-050200U-US2
Adapter 3#	Shenzhen Flypower Technology Co., Ltd	PS10UA050K2000UU
Adapter 4#	Xiamen Keli Electronics Co., Ltd	KL-WD050200U
Battery 1#	Xinyu Ganfeng Electronics Co.,Ltd.	LD18650N
Battery 2#	Xinyu Ganfeng Electronics Co.,Ltd.	LD18650P
Battery 3#	SCUD (Fujian) Electronics Co.,Ltd.	LD18650K-1

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:	No
EUT Exercise Software:	Engineer mode

The engineer mode was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:

Test Modes	Power Level Setting		
	Lowest	Middle	Highest
GFSK	10	10	10
π/4-DQPSK	10	10	10
8DPSK	10	10	10

1.2.2 Support Equipment List and Details

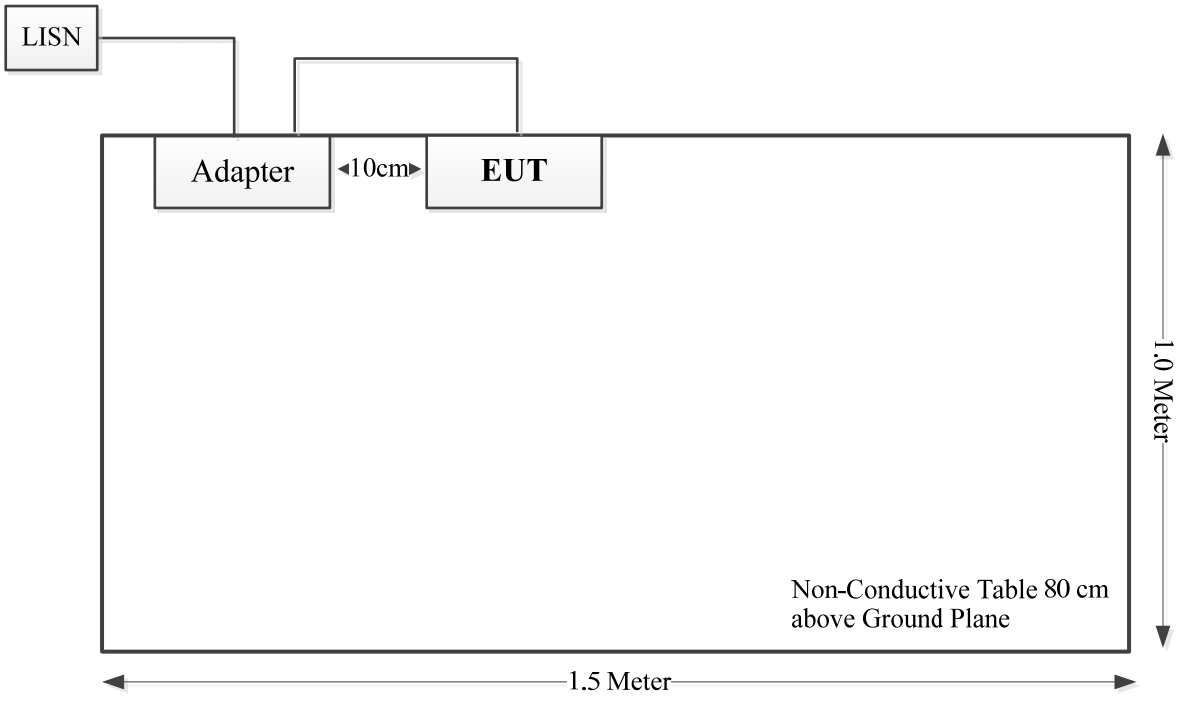
Manufacturer	Description	Model	Serial Number
/	/	/	/

1.2.3 Support Cable List and Details

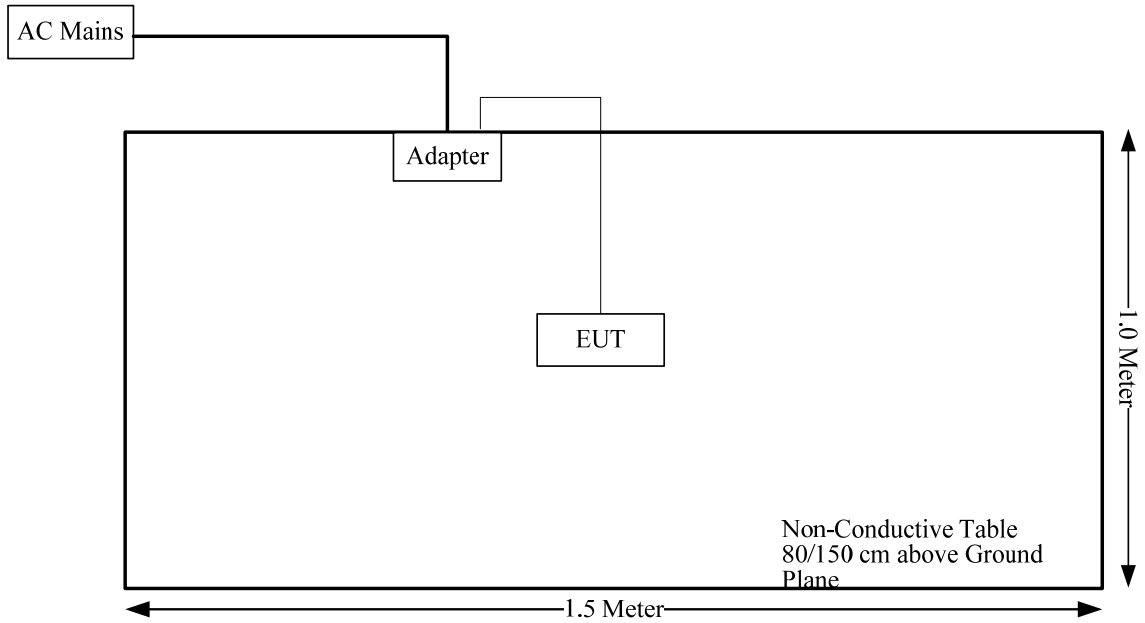
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	No	No	1	EUT	Adapter

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
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
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
Unwanted Emissions, conducted	±1.26 dB
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC §15.207(a)	AC line conducted emissions	Compliant
FCC §15.205, §15.209, §15.247(d)	Radiated Spurious emissions	Compliant
FCC §15.247(a)(1)	20 dB bandwidth	Compliant
FCC §15.247(a)(1)	Channel separation	Compliant
FCC §15.247(a)(1)(iii)	Number of hopping Frequency	Compliant
FCC §15.247(a)(1)(iii)	Time of occupancy (dwell time)	Compliant
FCC §15.247(b)(1)	Peak output power measurement	Compliant
FCC §15.247(d)	Band edges	Compliant
FCC §15.203	Antenna requirement	Compliant
FCC§15.247 (i) & §1.1310 & §2.1093	RF Exposure Evaluation	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

	Conducted limit (dBμV)	
Frequency of emission (MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

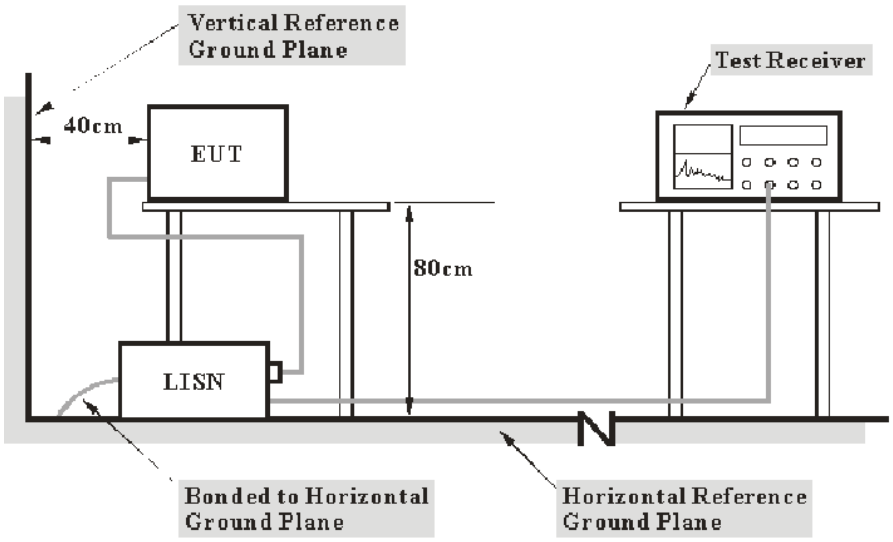
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μV within the frequency band 535-1705 kHz, as measured using a 50 μH/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtainig their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

3.1.2 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 C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

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

3.1.3 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

3.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

3.1.5 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

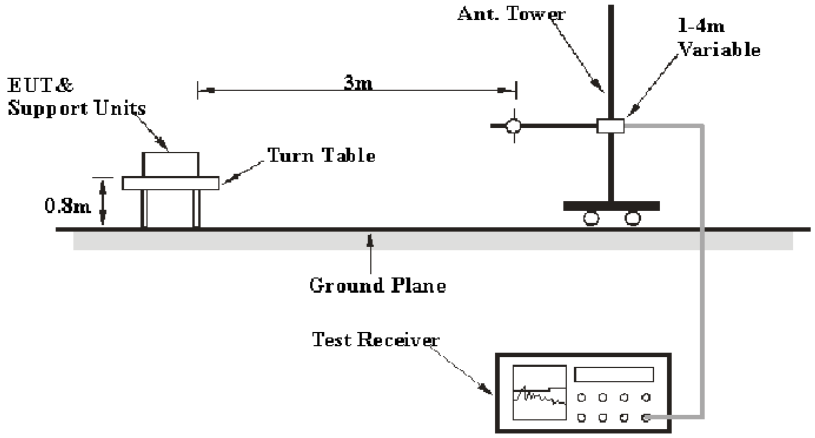
3.2.1 Applicable Standard

FCC §15.247 (d);

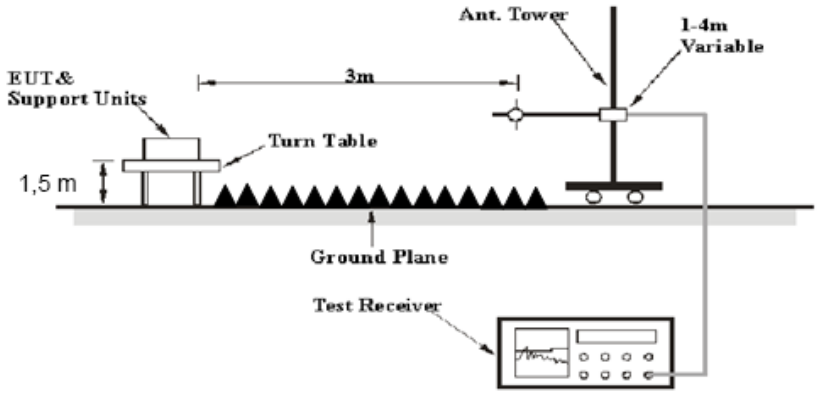
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

3.2.2 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emissions were performed in the 3 meters distance, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 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 spacing between the peripherals was 10 cm.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were 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	1MHz	3 MHz	/	PK
	1MHz	10 Hz	/	AV

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

3.2.4 Test Procedure

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

Data was recorded in Quasi-peak detection mode for frequency range of 30 MHz-1 GHz, peak and Average detection modes for frequencies above 1 GHz.

3.2.5 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

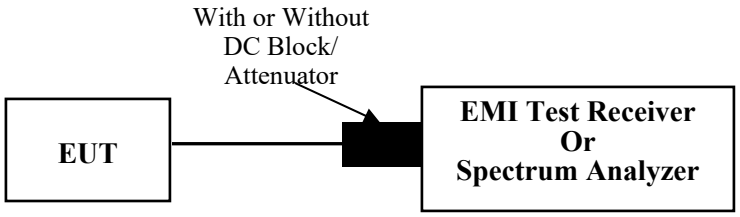
3.3 20 dB Bandwidth

3.3.1 Applicable Standard

FCC §15.247 (a)(1)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

3.3.2 EUT Setup



3.3.3 Test Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT on the test table without connection to measurement instrument. Turn on the EUT. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
4. Repeat above procedures until all frequencies measured were complete.

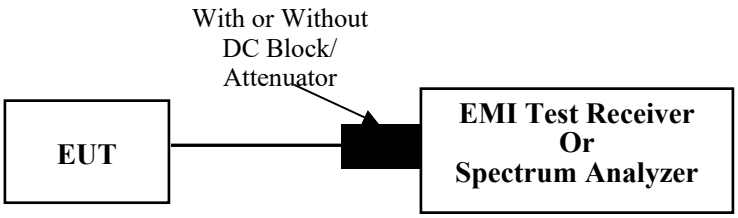
3.4 Channel Separation

3.4.1 Applicable Standard

FCC §15.247 (a)(1)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

3.4.2 EUT Setup



3.4.3Test Procedure

According to ANSI C63.10-2013 Section 7.8.2

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

a) Span: Wide enough to capture the peaks of two adjacent channels.
b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.
c) Video (or average) bandwidth (VBW) ≥ RBW.
d) Sweep: Auto.
e) Detector function: Peak.
f) Trace: Max hold.
g) Allow the trace to stabilize.

Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A plot of the data shall be included in the test report.

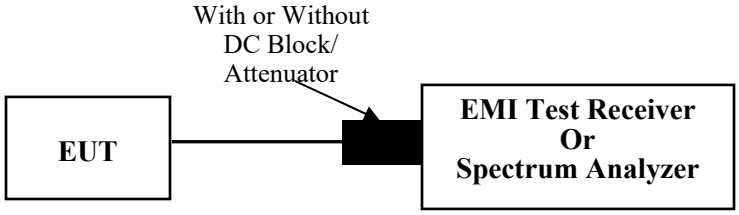
3.5 Number of Hopping Frequency

3.5.1 Applicable Standard

FCC §15.247 (a)(1)(iii)

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

3.5.2 EUT Setup



3.5.3Test Procedure

According to ANSI C63.10-2013 Section 7.8.3

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

a) Span: The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen.
b) RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.
c) VBW ≥ RBW.
d) Sweep: Auto.
e) Detector function: Peak.
f) Trace: Max hold.
g) Allow the trace to stabilize

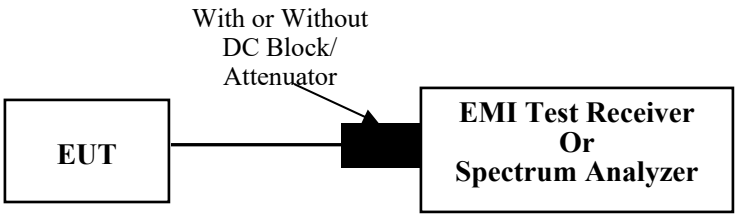
It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A plot of the data shall be included in the test report.

3.6 Time Of Occupancy(Dwell Time)

3.6.1 Applicable Standard

Frequency hopping systems in the 2400-2483.5 MHz shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

3.6.2 EUT Setup



3.6.3Test Procedure

The EUT was worked in channel hopping; the time of single pulses was tested.

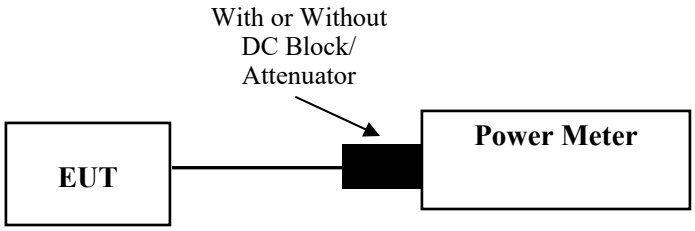
3.7 Peak Output Power

3.7.1 Applicable Standard

FCC §15.247 (b)(1)

For frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts

3.7.2 EUT Setup



3.7.3Test Procedure

1. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to one test equipment.
2. Add a correction factor to the display.

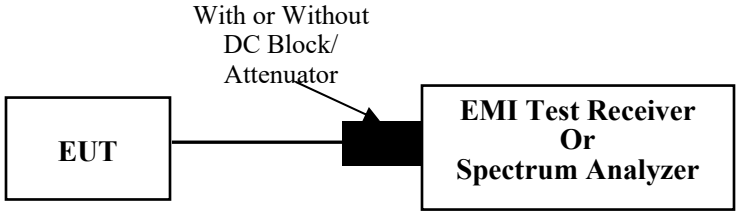
3.8 100 kHz Bandwidth of Frequency Band Edge

3.8.1 Applicable Standard

FCC §15.247 (d);

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

3.8.2 EUT Setup



3.8.3 Test Procedure

a) Set the center frequency and span to encompass frequency range to be measured.
b) Set the RBW = 100 kHz.
c) Set the VBW ≥ [3 × RBW].
d) Detector = peak.
e) Sweep time = auto couple.
f) Trace mode = max hold.
g) Allow trace to fully stabilize.
h) Use the peak marker function to determine the maximum amplitude level.
Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.

3.9 Antenna Requirement

3.9.1 Applicable Standard

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.9.2 Judgment

Compliant. Please refer to the Antenna Information detail in Section 1.

4. TEST DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	1XBG-2	Test Date:	2023/1/12~2023/1/17
Test Site:	CE	Test Mode:	Transmitting(8DPSK high channel was worst)
Tester:	Vic Du	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	19.8~21.9	Relative Humidity: (%)	38~71	ATM Pressure: (kPa)	100.8~101.8

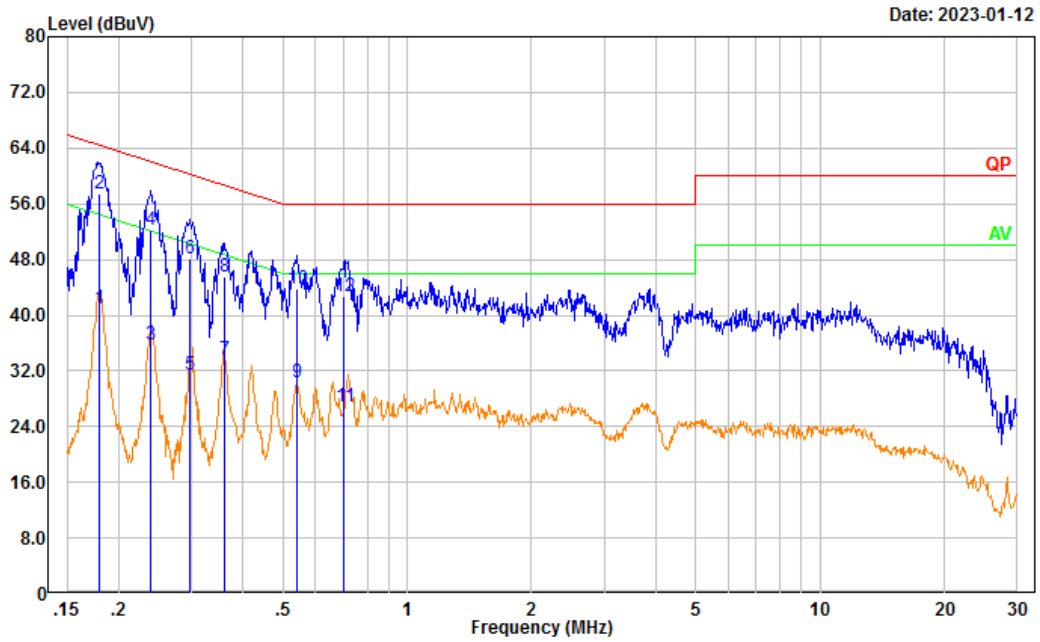
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2022/04/01	2023/03/31
R&S	EMI Test Receiver	ESR3	102726	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2022/08/07	2023/08/06
Audix	Test Software	E3	190306 (V9)	N/A	N/A

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

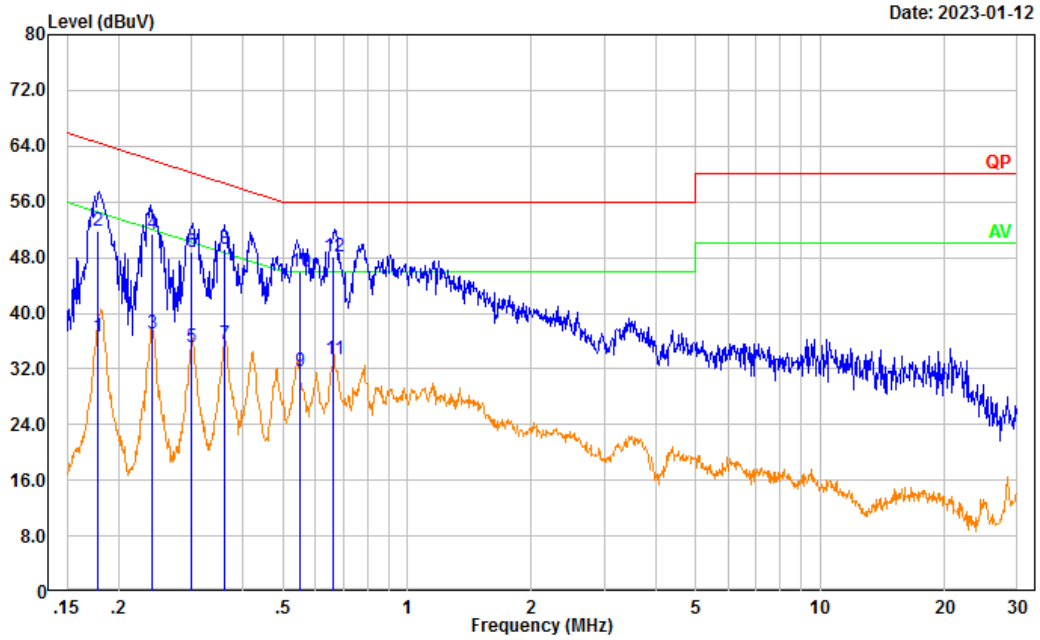
Adapter 1# + Battery #1

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.179	31.33	9.61	40.94	54.53	13.59	Average
2	0.179	47.75	9.61	57.36	64.53	7.17	QP
3	0.239	26.27	9.61	35.88	52.12	16.24	Average
4	0.239	42.72	9.61	52.33	62.12	9.79	QP
5	0.298	21.89	9.61	31.50	50.31	18.81	Average
6	0.298	38.52	9.61	48.13	60.31	12.18	QP
7	0.361	24.00	9.61	33.61	48.71	15.10	Average
8	0.361	35.97	9.61	45.58	58.71	13.13	QP
9	0.543	20.73	9.61	30.34	46.00	15.66	Average
10	0.543	34.13	9.61	43.74	56.00	12.26	QP
11	0.705	17.23	9.62	26.85	46.00	19.15	Average
12	0.705	33.03	9.62	42.65	56.00	13.35	QP

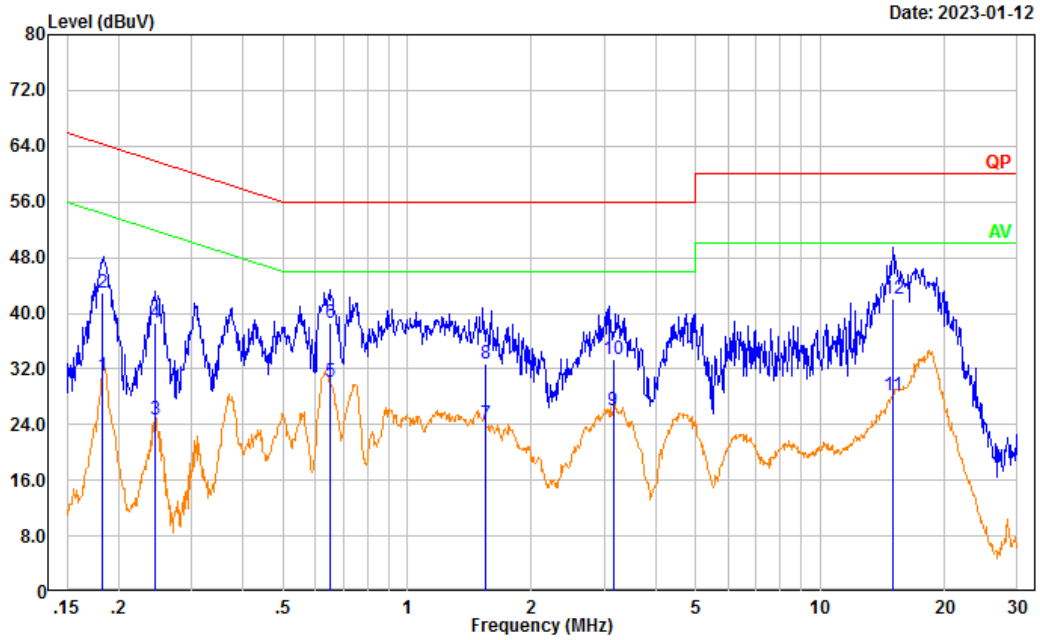
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.178	27.12	9.61	36.73	54.59	17.86	Average
2	0.178	42.30	9.61	51.91	64.59	12.68	QP
3	0.241	27.38	9.61	36.99	52.07	15.08	Average
4	0.241	41.75	9.61	51.36	62.07	10.71	QP
5	0.301	25.54	9.61	35.15	50.21	15.06	Average
6	0.301	39.14	9.61	48.75	60.21	11.46	QP
7	0.362	26.03	9.61	35.64	48.69	13.05	Average
8	0.362	39.70	9.61	49.31	58.69	9.38	QP
9	0.550	21.97	9.62	31.59	46.00	14.41	Average
10	0.550	36.26	9.62	45.88	56.00	10.12	QP
11	0.663	23.67	9.62	33.29	46.00	12.71	Average
12	0.663	38.59	9.62	48.21	56.00	7.79	QP

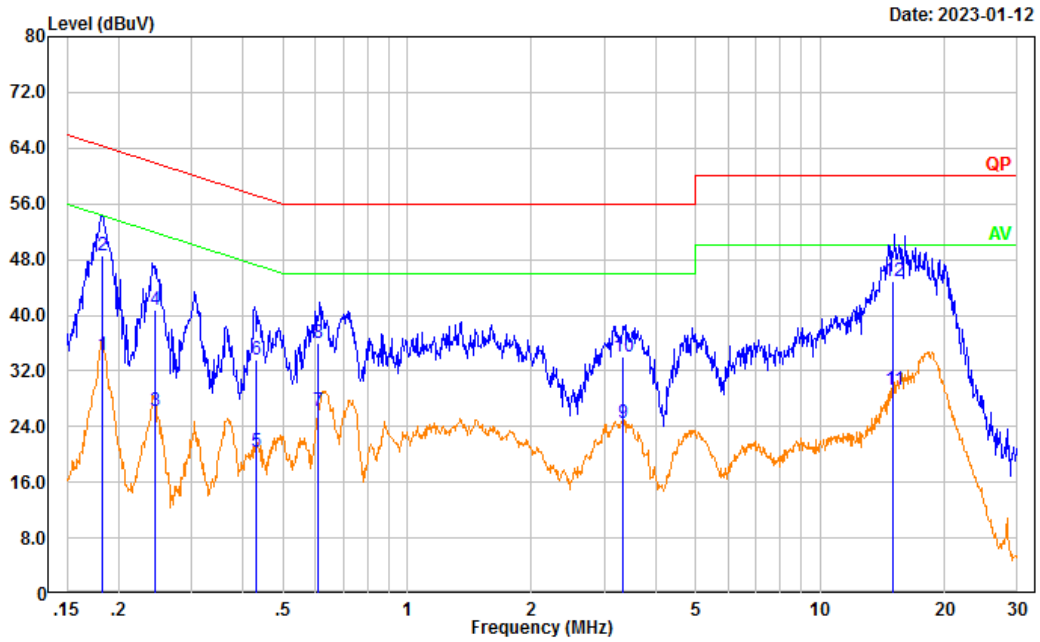
Adapter 2# + Battery #1

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.183	21.44	9.61	31.05	54.33	23.28	Average
2	0.183	33.33	9.61	42.94	64.33	21.39	QP
3	0.246	15.17	9.61	24.78	51.89	27.11	Average
4	0.246	29.09	9.61	38.70	61.89	23.19	QP
5	0.648	20.48	9.62	30.10	46.00	15.90	Average
6	0.648	28.99	9.62	38.61	56.00	17.39	QP
7	1.546	14.36	9.63	23.99	46.00	22.01	Average
8	1.546	23.13	9.63	32.76	56.00	23.24	QP
9	3.150	16.29	9.65	25.94	46.00	20.06	Average
10	3.150	23.80	9.65	33.45	56.00	22.55	QP
11	15.004	18.53	9.69	28.22	50.00	21.78	Average
12	15.004	32.29	9.69	41.98	60.00	18.02	QP

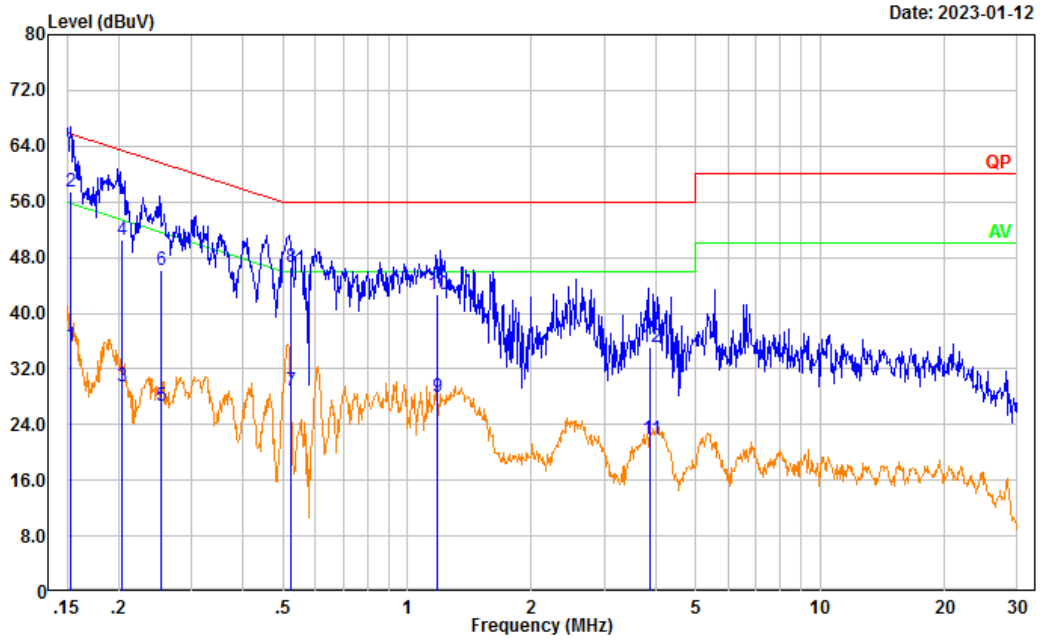
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.183	24.74	9.61	34.35	54.36	20.01	Average
2	0.183	38.89	9.61	48.50	64.36	15.86	QP
3	0.245	16.59	9.61	26.20	51.94	25.74	Average
4	0.245	31.16	9.61	40.77	61.94	21.17	QP
5	0.430	10.75	9.61	20.36	47.25	26.89	Average
6	0.430	24.03	9.61	33.64	57.25	23.61	QP
7	0.610	16.60	9.62	26.22	46.00	19.78	Average
8	0.610	26.31	9.62	35.93	56.00	20.07	QP
9	3.320	14.87	9.65	24.52	46.00	21.48	Average
10	3.320	24.36	9.65	34.01	56.00	21.99	QP
11	15.027	19.49	9.69	29.18	50.00	20.82	Average
12	15.027	35.20	9.69	44.89	60.00	15.11	QP

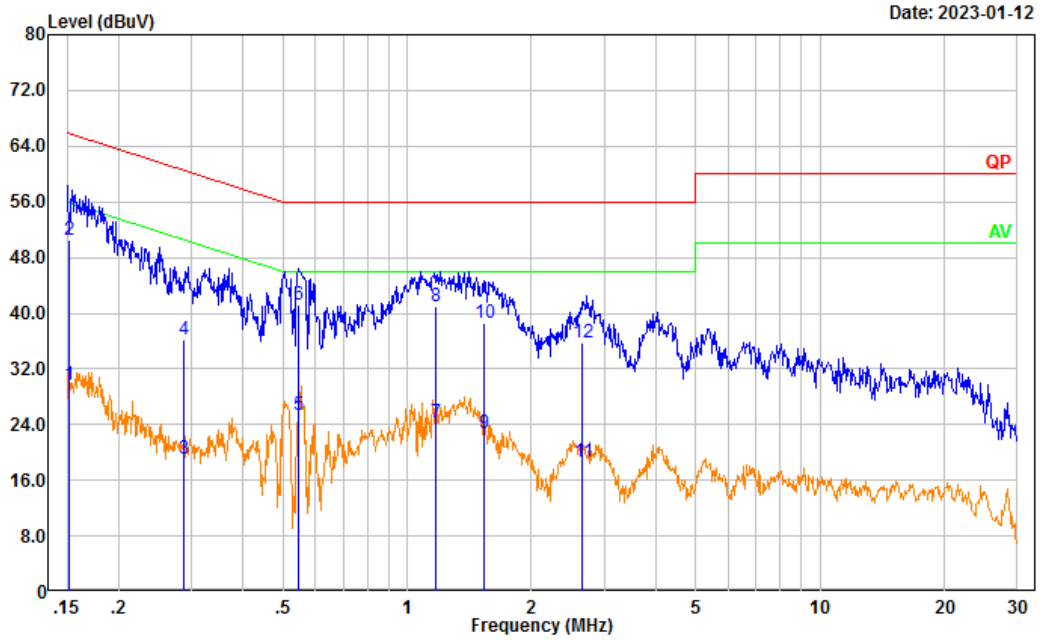
Adapter 3# + Battery #1

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.153	25.80	9.61	35.41	55.85	20.44	Average
2	0.153	47.74	9.61	57.35	65.85	8.50	QP
3	0.203	19.94	9.61	29.55	53.47	23.92	Average
4	0.203	40.90	9.61	50.51	63.47	12.96	QP
5	0.254	16.97	9.61	26.58	51.64	25.06	Average
6	0.254	36.60	9.61	46.21	61.64	15.43	QP
7	0.521	19.29	9.61	28.90	46.00	17.10	Average
8	0.521	37.04	9.61	46.65	56.00	9.35	QP
9	1.178	18.38	9.62	28.00	46.00	18.00	Average
10	1.178	33.10	9.62	42.72	56.00	13.28	QP
11	3.886	12.21	9.65	21.86	46.00	24.14	Average
12	3.886	25.51	9.65	35.16	56.00	20.84	QP

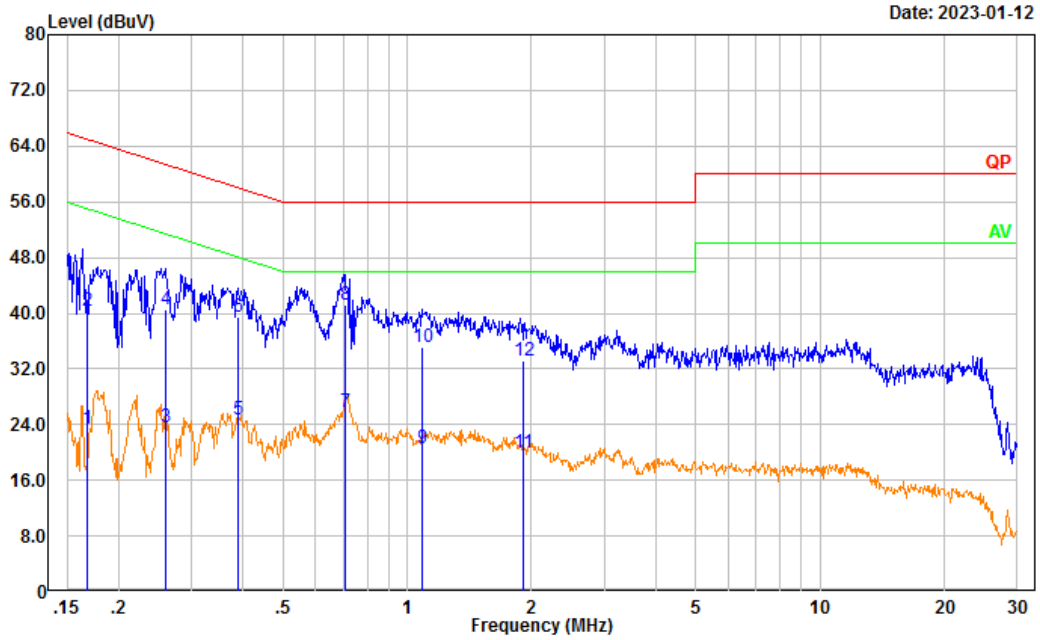
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.152	20.17	9.61	29.78	55.88	26.10	Average
2	0.152	40.95	9.61	50.56	65.88	15.32	QP
3	0.289	9.43	9.61	19.04	50.56	31.52	Average
4	0.289	26.62	9.61	36.23	60.56	24.33	QP
5	0.545	15.72	9.61	25.33	46.00	20.67	Average
6	0.545	31.68	9.61	41.29	56.00	14.71	QP
7	1.172	14.73	9.62	24.35	46.00	21.65	Average
8	1.172	31.43	9.62	41.05	56.00	14.95	QP
9	1.531	13.24	9.63	22.87	46.00	23.13	Average
10	1.531	28.91	9.63	38.54	56.00	17.46	QP
11	2.656	9.03	9.64	18.67	46.00	27.33	Average
12	2.656	26.06	9.64	35.70	56.00	20.30	QP

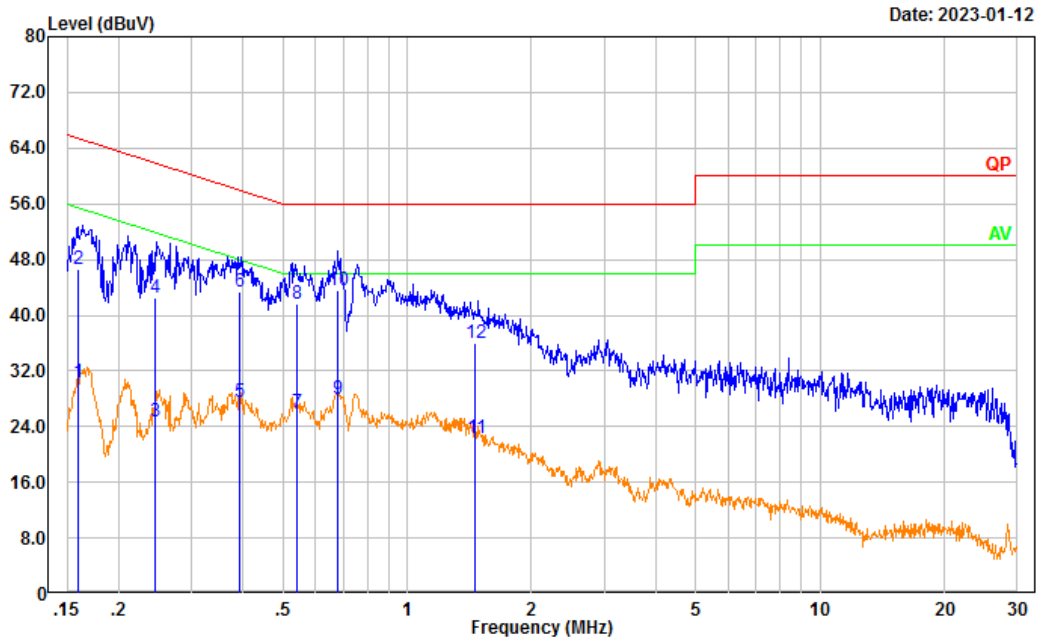
Adapter 4# + Battery #1

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.167	13.88	9.61	23.49	55.09	31.60	Average
2	0.167	30.78	9.61	40.39	65.09	24.70	QP
3	0.259	14.01	9.61	23.62	51.45	27.83	Average
4	0.259	31.00	9.61	40.61	61.45	20.84	QP
5	0.390	15.18	9.61	24.79	48.06	23.27	Average
6	0.390	29.80	9.61	39.41	58.06	18.65	QP
7	0.705	16.22	9.62	25.84	46.00	20.16	Average
8	0.705	31.66	9.62	41.28	56.00	14.72	QP
9	1.089	10.94	9.62	20.56	46.00	25.44	Average
10	1.089	25.54	9.62	35.16	56.00	20.84	QP
11	1.904	10.29	9.63	19.92	46.00	26.08	Average
12	1.904	23.47	9.63	33.10	56.00	22.90	QP

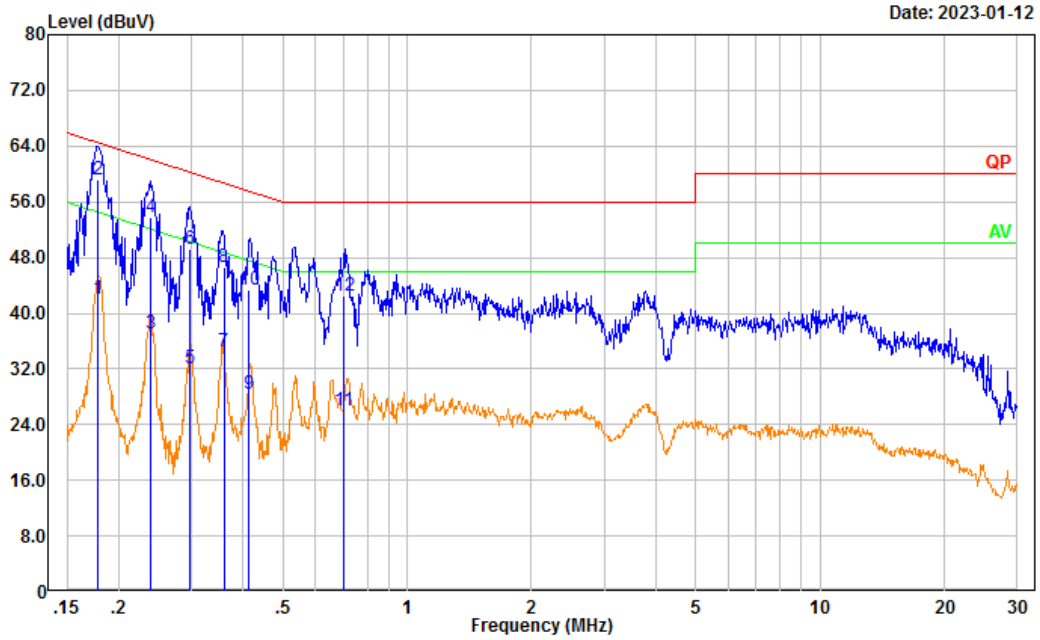
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.160	20.72	9.61	30.33	55.46	25.13	Average
2	0.160	36.94	9.61	46.55	65.46	18.91	QP
3	0.244	15.13	9.61	24.74	51.95	27.21	Average
4	0.244	32.79	9.61	42.40	61.95	19.55	QP
5	0.392	17.96	9.61	27.57	48.02	20.45	Average
6	0.392	33.75	9.61	43.36	58.02	14.66	QP
7	0.540	16.32	9.61	25.93	46.00	20.07	Average
8	0.540	31.99	9.61	41.60	56.00	14.40	QP
9	0.680	18.26	9.62	27.88	46.00	18.12	Average
10	0.680	33.90	9.62	43.52	56.00	12.48	QP
11	1.462	12.78	9.62	22.40	46.00	23.60	Average
12	1.462	26.27	9.62	35.89	56.00	20.11	QP

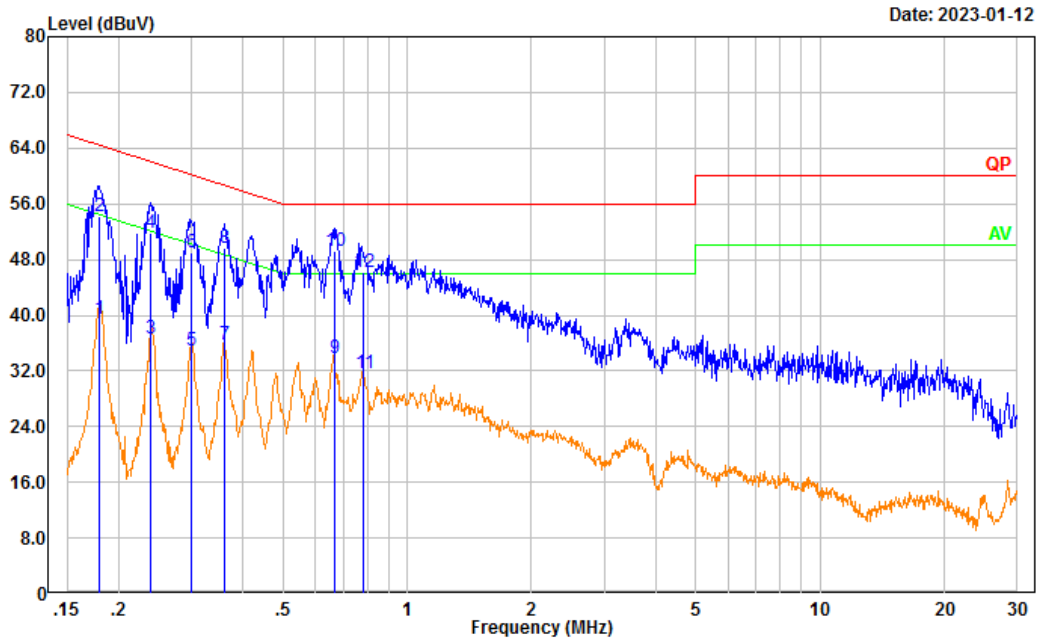
Adapter 1# + Battery #2

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.178	32.53	9.61	42.14	54.60	12.46	Average
2	0.178	49.49	9.61	59.10	64.60	5.50	QP
3	0.238	27.41	9.61	37.02	52.15	15.13	Average
4	0.238	44.23	9.61	53.84	62.15	8.31	QP
5	0.296	22.42	9.61	32.03	50.34	18.31	Average
6	0.296	39.67	9.61	49.28	60.34	11.06	QP
7	0.360	24.83	9.61	34.44	48.74	14.30	Average
8	0.360	36.98	9.61	46.59	58.74	12.15	QP
9	0.414	18.87	9.61	28.48	47.58	19.10	Average
10	0.414	33.70	9.61	43.31	57.58	14.27	QP
11	0.701	16.50	9.62	26.12	46.00	19.88	Average
12	0.701	32.81	9.62	42.43	56.00	13.57	QP

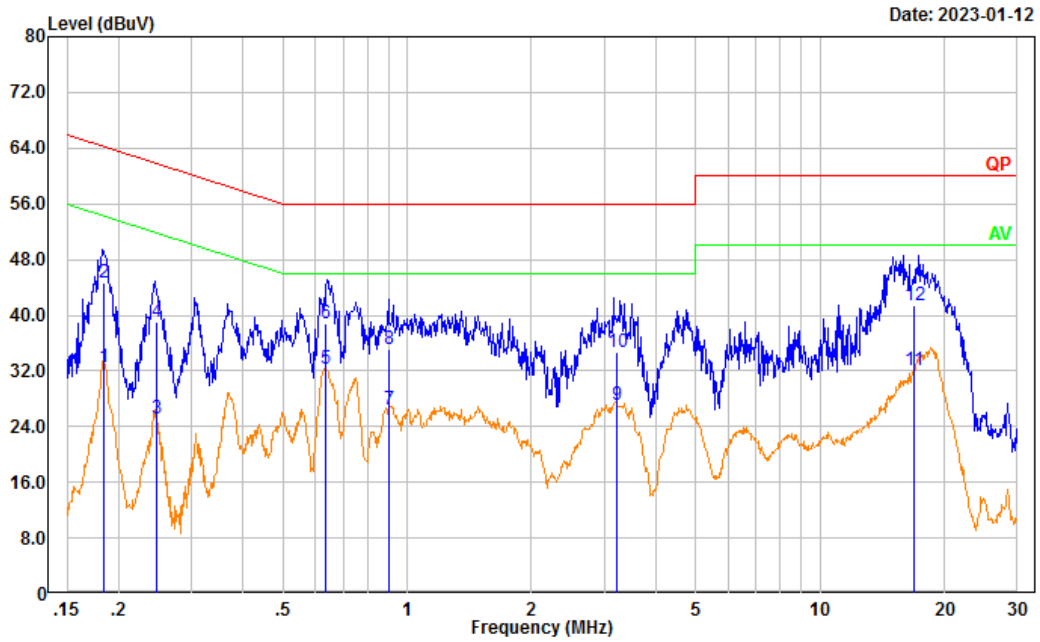
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.179	29.83	9.61	39.44	54.53	15.09	Average
2	0.179	44.65	9.61	54.26	64.53	10.27	QP
3	0.239	26.93	9.61	36.54	52.13	15.59	Average
4	0.239	42.18	9.61	51.79	62.13	10.34	QP
5	0.300	25.19	9.61	34.80	50.25	15.45	Average
6	0.300	39.47	9.61	49.08	60.25	11.17	QP
7	0.361	26.26	9.61	35.87	48.70	12.83	Average
8	0.361	39.95	9.61	49.56	58.70	9.14	QP
9	0.665	24.15	9.62	33.77	46.00	12.23	Average
10	0.665	39.51	9.62	49.13	56.00	6.87	QP
11	0.784	21.94	9.62	31.56	46.00	14.44	Average
12	0.784	36.51	9.62	46.13	56.00	9.87	QP

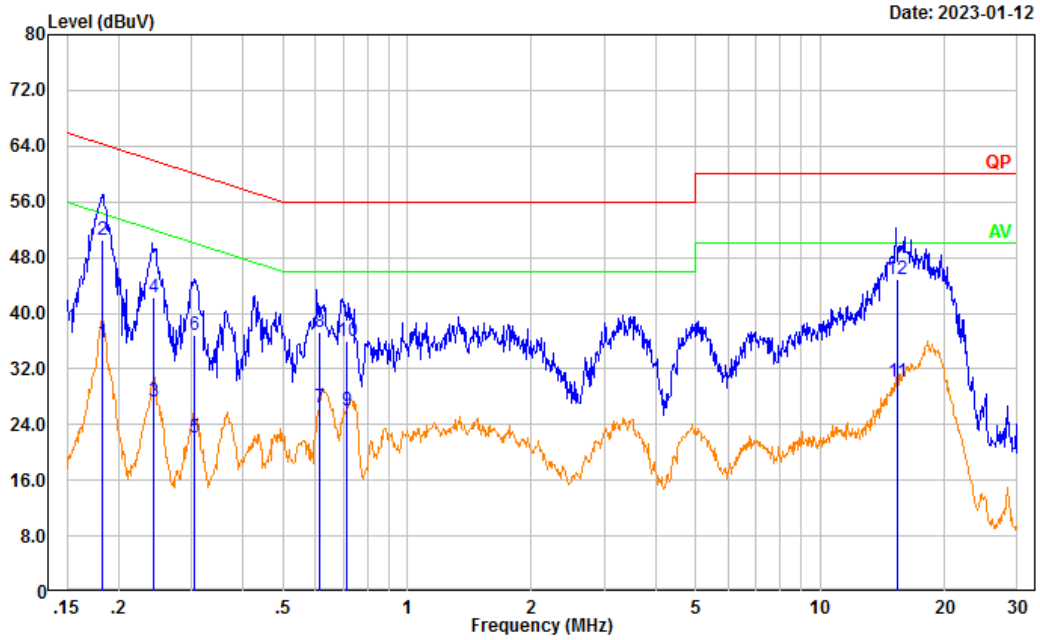
Adapter 2# + Battery #2

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.185	22.95	9.61	32.56	54.27	21.71	Average
2	0.185	34.98	9.61	44.59	64.27	19.68	QP
3	0.248	15.47	9.61	25.08	51.83	26.75	Average
4	0.248	29.46	9.61	39.07	61.83	22.76	QP
5	0.633	22.70	9.62	32.32	46.00	13.68	Average
6	0.633	29.26	9.62	38.88	56.00	17.12	QP
7	0.905	16.75	9.62	26.37	46.00	19.63	Average
8	0.905	25.40	9.62	35.02	56.00	20.98	QP
9	3.225	17.41	9.65	27.06	46.00	18.94	Average
10	3.225	25.08	9.65	34.73	56.00	21.27	QP
11	16.892	22.46	9.73	32.19	50.00	17.81	Average
12	16.892	31.67	9.73	41.40	60.00	18.60	QP

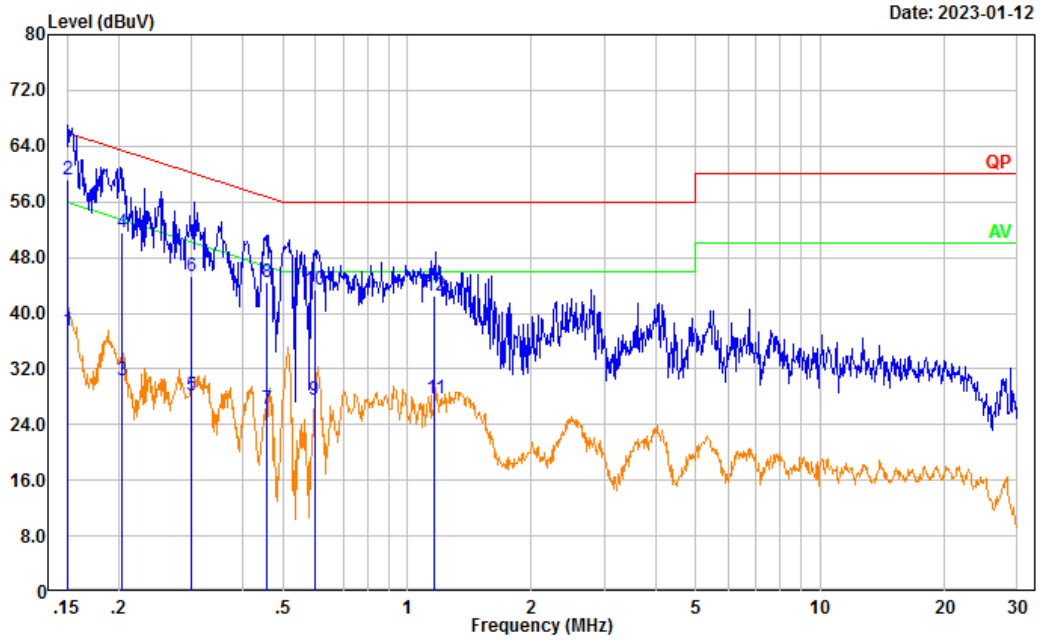
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.183	26.18	9.61	35.79	54.34	18.55	Average
2	0.183	40.81	9.61	50.42	64.34	13.92	QP
3	0.244	17.63	9.61	27.24	51.96	24.72	Average
4	0.244	32.56	9.61	42.17	61.96	19.79	QP
5	0.305	12.40	9.61	22.01	50.10	28.09	Average
6	0.305	27.23	9.61	36.84	60.10	23.26	QP
7	0.611	16.91	9.62	26.53	46.00	19.47	Average
8	0.611	27.57	9.62	37.19	56.00	18.81	QP
9	0.715	16.42	9.62	26.04	46.00	19.96	Average
10	0.715	26.42	9.62	36.04	56.00	19.96	QP
11	15.327	20.36	9.69	30.05	50.00	19.95	Average
12	15.327	35.15	9.69	44.84	60.00	15.16	QP

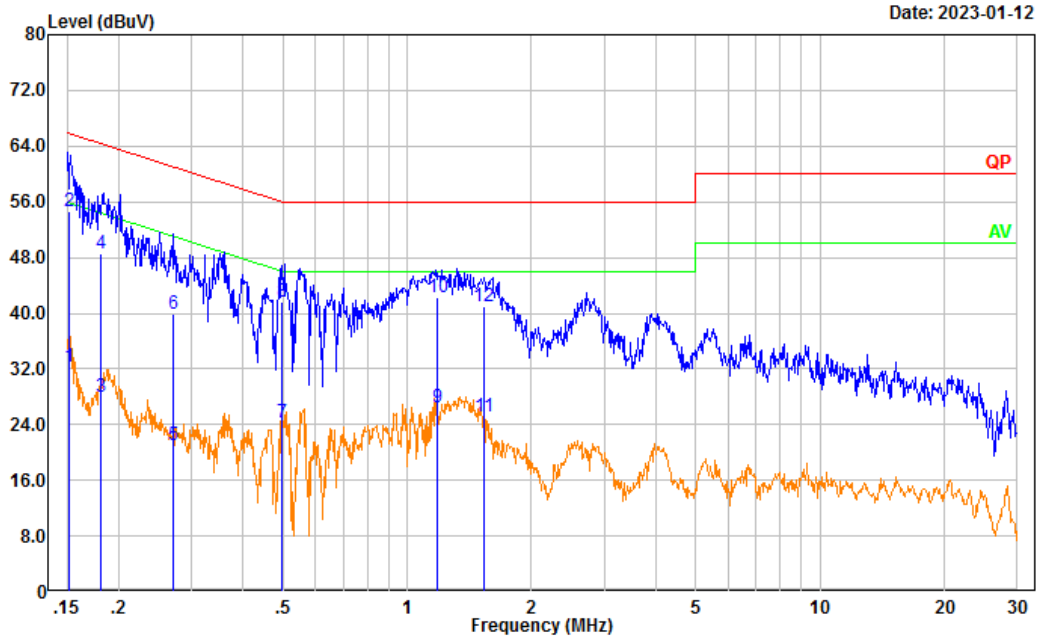
Adapter 3# + Battery #2

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.151	27.93	9.61	37.54	55.94	18.40	Average
2	0.151	49.60	9.61	59.21	65.94	6.73	QP
3	0.203	20.72	9.61	30.33	53.48	23.15	Average
4	0.203	41.96	9.61	51.57	63.48	11.91	QP
5	0.301	18.68	9.61	28.29	50.21	21.92	Average
6	0.301	35.64	9.61	45.25	60.21	14.96	QP
7	0.458	16.62	9.61	26.23	46.73	20.50	Average
8	0.458	34.80	9.61	44.41	56.73	12.32	QP
9	0.596	18.01	9.62	27.63	46.00	18.37	Average
10	0.596	33.75	9.62	43.37	56.00	12.63	QP
11	1.166	18.12	9.62	27.74	46.00	18.26	Average
12	1.166	32.81	9.62	42.43	56.00	13.57	QP

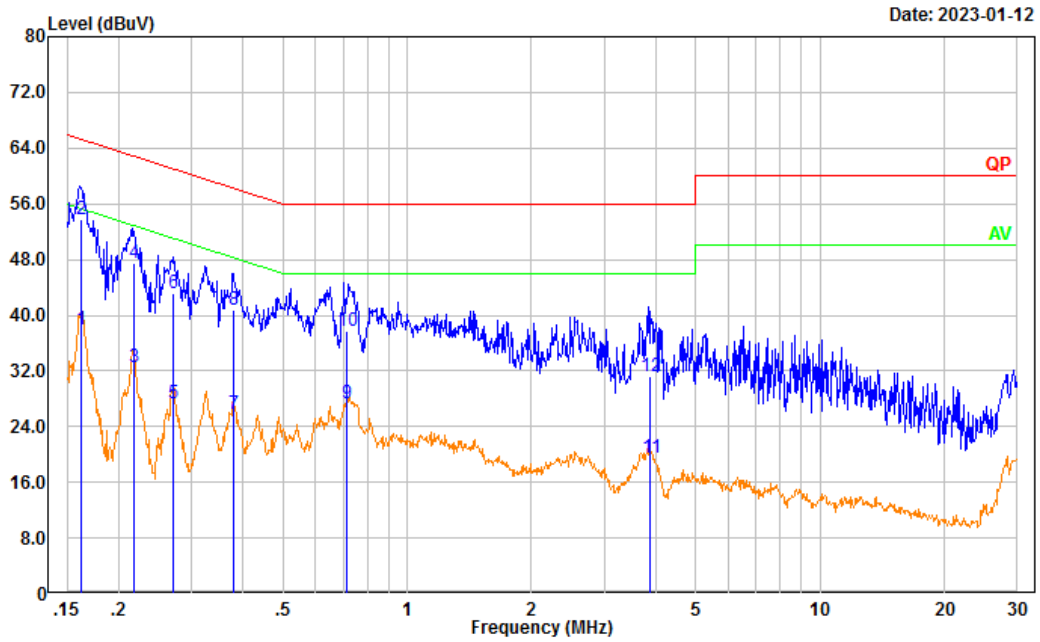
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.151	22.76	9.61	32.37	55.92	23.55	Average
2	0.151	45.00	9.61	54.61	65.92	11.31	QP
3	0.181	18.39	9.61	28.00	54.44	26.44	Average
4	0.181	39.05	9.61	48.66	64.44	15.78	QP
5	0.270	11.35	9.61	20.96	51.11	30.15	Average
6	0.270	30.35	9.61	39.96	61.11	21.15	QP
7	0.498	14.57	9.61	24.18	46.03	21.85	Average
8	0.498	31.97	9.61	41.58	56.03	14.45	QP
9	1.180	16.93	9.62	26.55	46.00	19.45	Average
10	1.180	32.75	9.62	42.37	56.00	13.63	QP
11	1.528	15.51	9.63	25.14	46.00	20.86	Average
12	1.528	31.45	9.63	41.08	56.00	14.92	QP

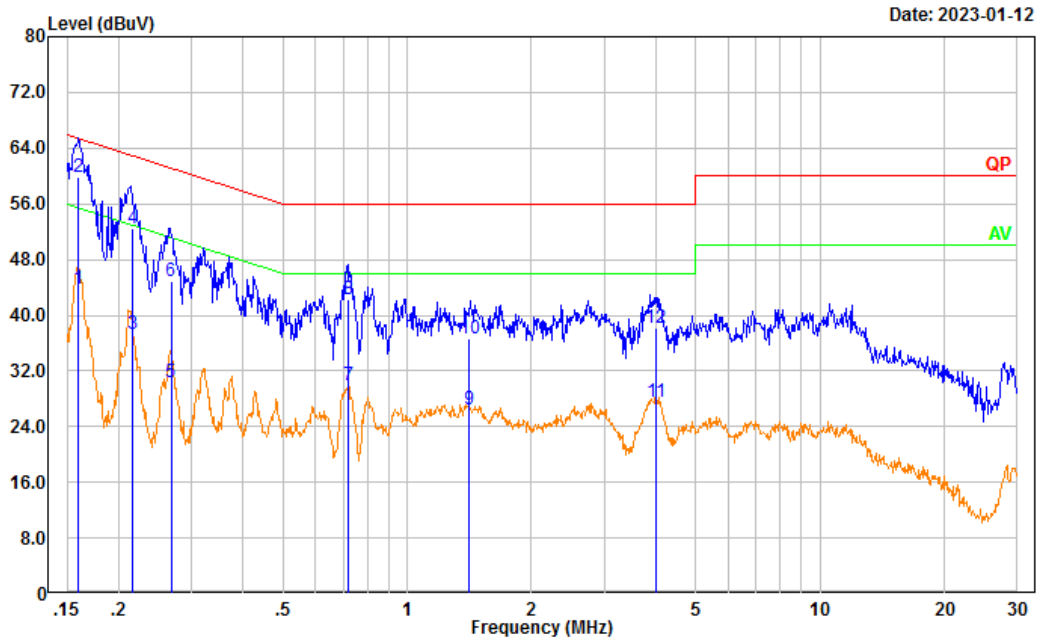
Adapter 4# + Battery #2

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.162	28.41	9.61	38.02	55.37	17.35	Average
2	0.162	44.11	9.61	53.72	65.37	11.65	QP
3	0.217	22.82	9.61	32.43	52.93	20.50	Average
4	0.217	37.77	9.61	47.38	62.93	15.55	QP
5	0.271	17.67	9.61	27.28	51.09	23.81	Average
6	0.271	33.61	9.61	43.22	61.09	17.87	QP
7	0.381	16.09	9.61	25.70	48.27	22.57	Average
8	0.381	31.22	9.61	40.83	58.27	17.44	QP
9	0.715	17.68	9.62	27.30	46.00	18.70	Average
10	0.715	28.16	9.62	37.78	56.00	18.22	QP
11	3.880	9.80	9.65	19.45	46.00	26.55	Average
12	3.880	21.58	9.65	31.23	56.00	24.77	QP

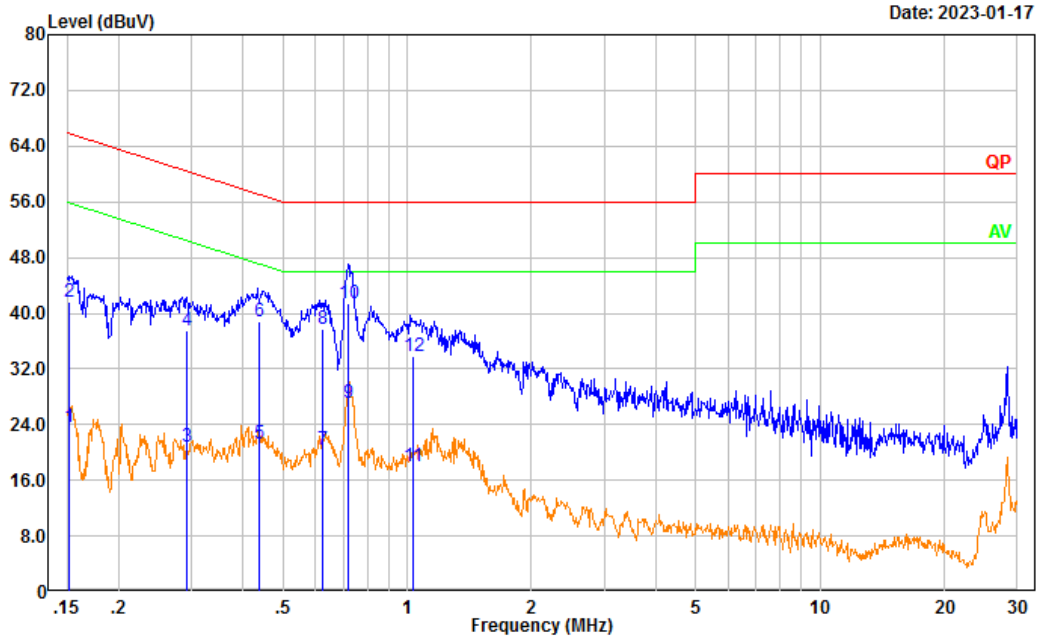
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.160	34.15	9.61	43.76	55.45	11.69	Average
2	0.160	50.26	9.61	59.87	65.45	5.58	QP
3	0.215	27.77	9.61	37.38	52.99	15.61	Average
4	0.215	42.90	9.61	52.51	62.99	10.48	QP
5	0.268	20.67	9.61	30.28	51.19	20.91	Average
6	0.268	35.24	9.61	44.85	61.19	16.34	QP
7	0.720	20.30	9.62	29.92	46.00	16.08	Average
8	0.720	32.63	9.62	42.25	56.00	13.75	QP
9	1.406	16.90	9.62	26.52	46.00	19.48	Average
10	1.406	26.94	9.62	36.56	56.00	19.44	QP
11	3.988	17.94	9.65	27.59	46.00	18.41	Average
12	3.988	28.44	9.65	38.09	56.00	17.91	QP

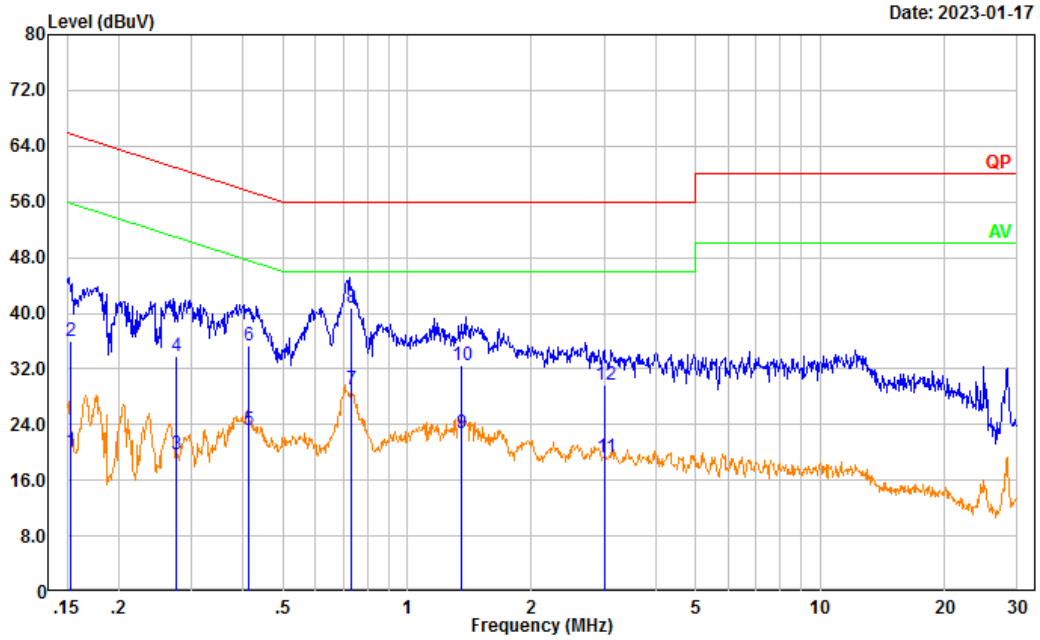
Adapter 1# + Battery #3

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.151	13.99	9.61	23.60	55.92	32.32	Average
2	0.151	31.92	9.61	41.53	65.92	24.39	QP
3	0.293	11.29	9.61	20.90	50.43	29.53	Average
4	0.293	27.81	9.61	37.42	60.43	23.01	QP
5	0.437	11.54	9.61	21.15	47.12	25.97	Average
6	0.437	29.26	9.61	38.87	57.12	18.25	QP
7	0.622	10.81	9.62	20.43	46.00	25.57	Average
8	0.622	28.02	9.62	37.64	56.00	18.36	QP
9	0.720	17.38	9.62	27.00	46.00	19.00	Average
10	0.720	31.75	9.62	41.37	56.00	14.63	QP
11	1.031	8.29	9.62	17.91	46.00	28.09	Average
12	1.031	24.18	9.62	33.80	56.00	22.20	QP

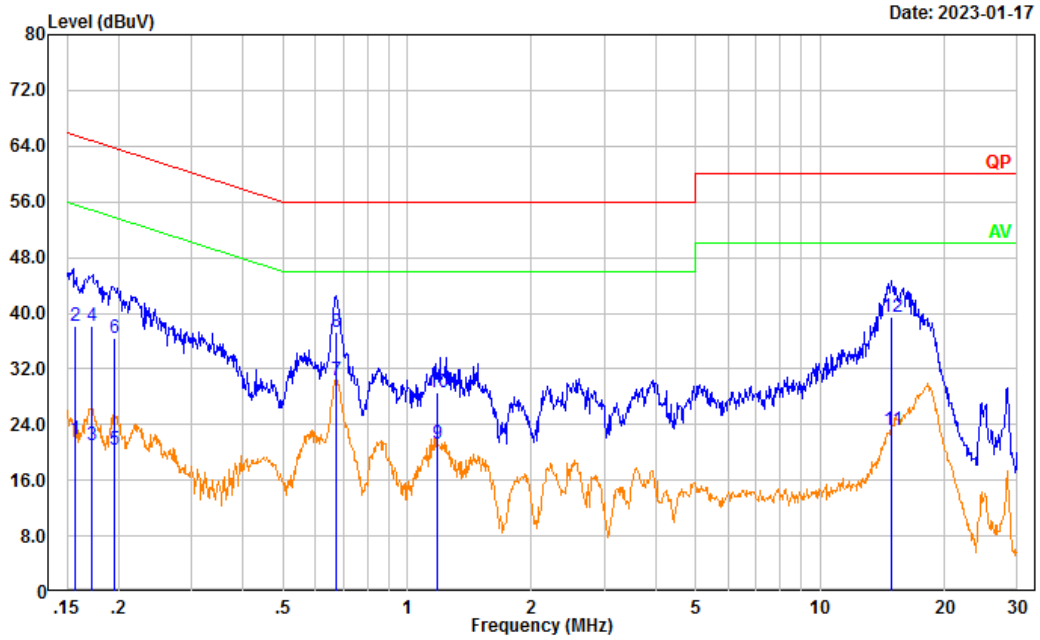
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.153	10.45	9.61	20.06	55.82	35.76	Average
2	0.153	26.47	9.61	36.08	65.82	29.74	QP
3	0.276	10.02	9.61	19.63	50.93	31.30	Average
4	0.276	24.30	9.61	33.91	60.93	27.02	QP
5	0.413	13.55	9.61	23.16	47.58	24.42	Average
6	0.413	25.81	9.61	35.42	57.58	22.16	QP
7	0.732	19.49	9.62	29.11	46.00	16.89	Average
8	0.732	31.04	9.62	40.66	56.00	15.34	QP
9	1.357	13.16	9.62	22.78	46.00	23.22	Average
10	1.357	22.90	9.62	32.52	56.00	23.48	QP
11	3.015	9.66	9.65	19.31	46.00	26.69	Average
12	3.015	20.02	9.65	29.67	56.00	26.33	QP

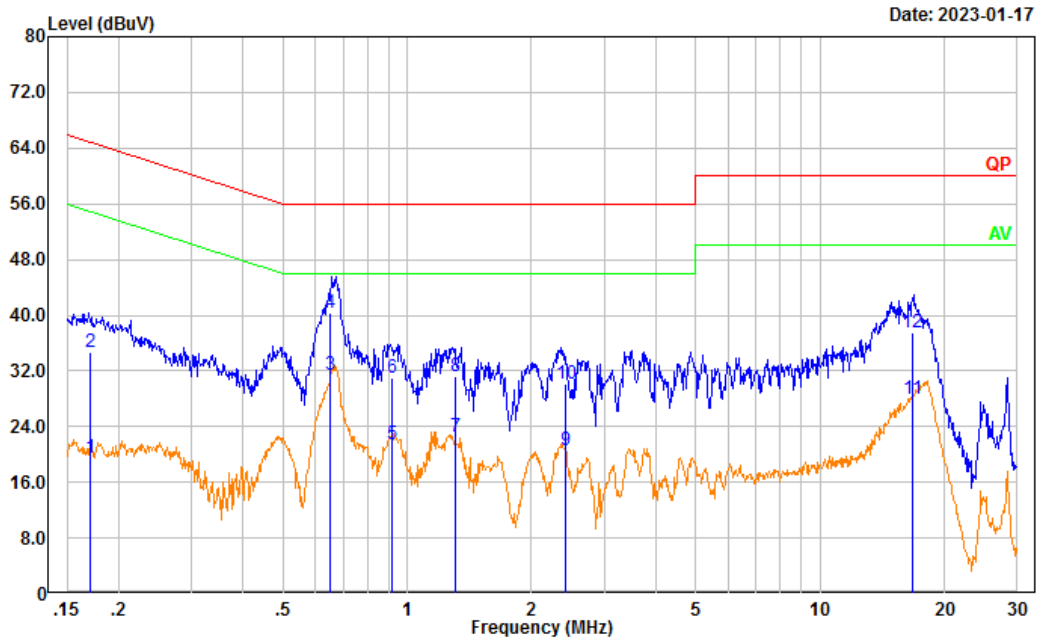
Adapter 2# + Battery #3

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.157	12.35	9.61	21.96	55.64	33.68	Average
2	0.157	28.64	9.61	38.25	65.64	27.39	QP
3	0.172	11.44	9.61	21.05	54.87	33.82	Average
4	0.172	28.50	9.61	38.11	64.87	26.76	QP
5	0.196	10.83	9.61	20.44	53.79	33.35	Average
6	0.196	26.81	9.61	36.42	63.79	27.37	QP
7	0.675	20.68	9.62	30.30	46.00	15.70	Average
8	0.675	27.59	9.62	37.21	56.00	18.79	QP
9	1.180	11.67	9.62	21.29	46.00	24.71	Average
10	1.180	18.95	9.62	28.57	56.00	27.43	QP
11	14.918	13.47	9.69	23.16	50.00	26.84	Average
12	14.918	29.66	9.69	39.35	60.00	20.65	QP

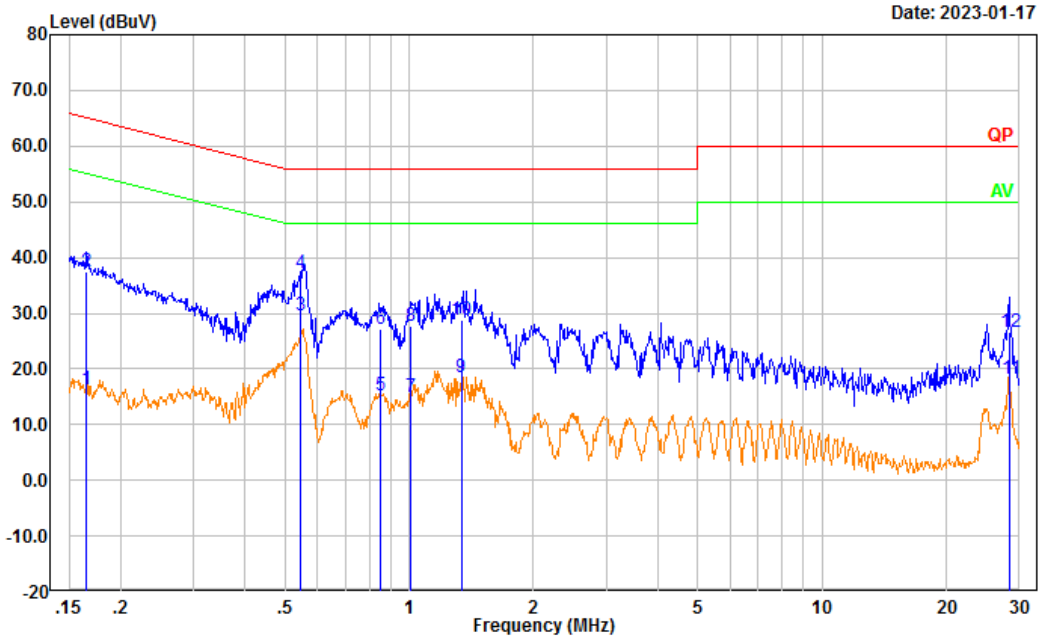
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.171	9.89	9.61	19.50	54.92	35.42	Average
2	0.171	25.00	9.61	34.61	64.92	30.31	QP
3	0.652	21.87	9.62	31.49	46.00	14.51	Average
4	0.652	30.79	9.62	40.41	56.00	15.59	QP
5	0.919	11.80	9.62	21.42	46.00	24.58	Average
6	0.919	21.31	9.62	30.93	56.00	25.07	QP
7	1.311	12.88	9.62	22.50	46.00	23.50	Average
8	1.311	21.55	9.62	31.17	56.00	24.83	QP
9	2.421	11.03	9.64	20.67	46.00	25.33	Average
10	2.421	20.56	9.64	30.20	56.00	25.80	QP
11	16.663	18.24	9.69	27.93	50.00	22.07	Average
12	16.663	27.82	9.69	37.51	60.00	22.49	QP

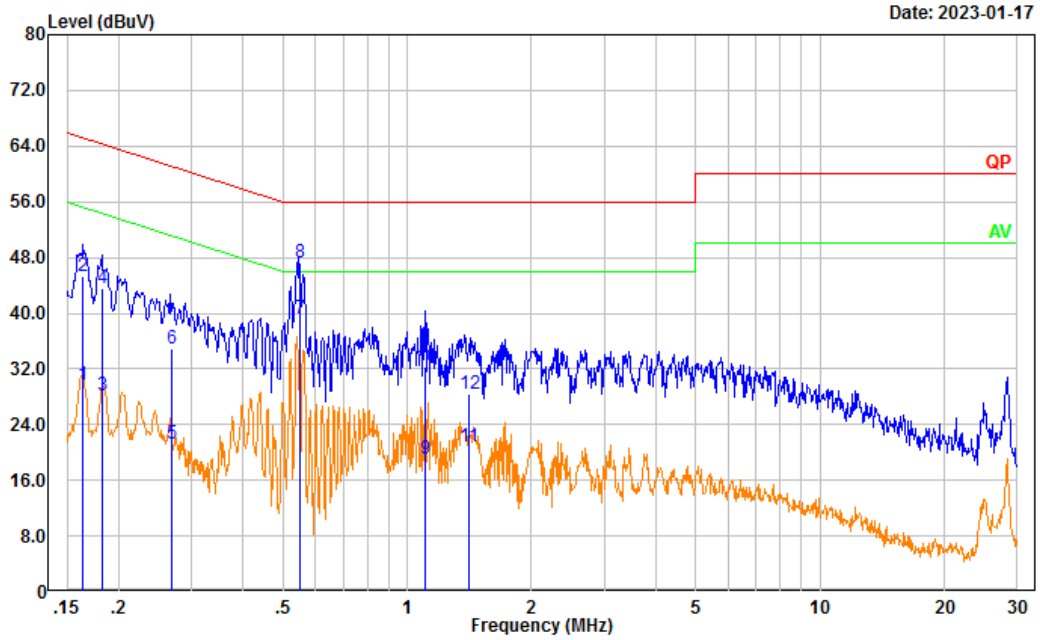
Adapter 3# + Battery #3

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.165	6.73	9.61	16.34	55.20	38.86	Average
2	0.165	27.75	9.61	37.36	65.20	27.84	QP
3	0.544	19.89	9.61	29.50	46.00	16.50	Average
4	0.544	27.58	9.61	37.19	56.00	18.81	QP
5	0.849	5.69	9.62	15.31	46.00	30.69	Average
6	0.849	17.55	9.62	27.17	56.00	28.83	QP
7	1.007	5.39	9.62	15.01	46.00	30.99	Average
8	1.007	18.06	9.62	27.68	56.00	28.32	QP
9	1.336	8.78	9.62	18.40	46.00	27.60	Average
10	1.336	19.14	9.62	28.76	56.00	27.24	QP
11	28.525	8.45	9.82	18.27	50.00	31.73	Average
12	28.525	16.89	9.82	26.71	60.00	33.29	QP

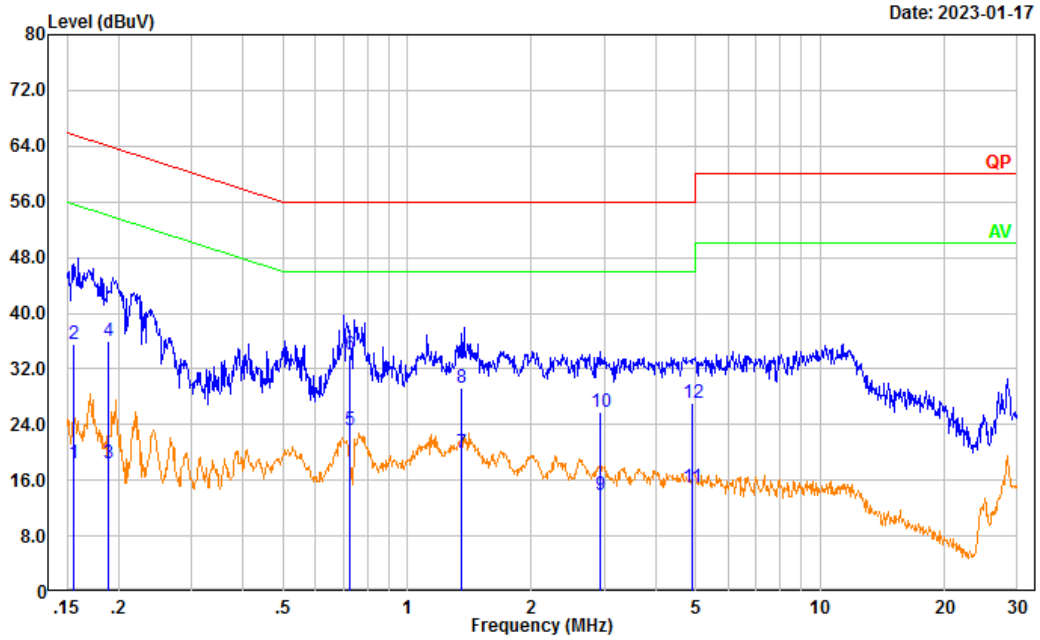
Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.163	20.12	9.61	29.73	55.30	25.57	Average
2	0.163	35.79	9.61	45.40	65.30	19.90	QP
3	0.183	18.65	9.61	28.26	54.35	26.09	Average
4	0.183	34.01	9.61	43.62	64.35	20.73	QP
5	0.270	11.71	9.61	21.32	51.12	29.80	Average
6	0.270	25.33	9.61	34.94	61.12	26.18	QP
7	0.549	29.73	9.61	39.34	46.00	6.66	Average
8	0.549	37.58	9.61	47.19	56.00	8.81	QP
9	1.105	9.54	9.62	19.16	46.00	26.84	Average
10	1.105	22.62	9.62	32.24	56.00	23.76	QP
11	1.407	11.13	9.62	20.75	46.00	25.25	Average
12	1.407	18.87	9.62	28.49	56.00	27.51	QP

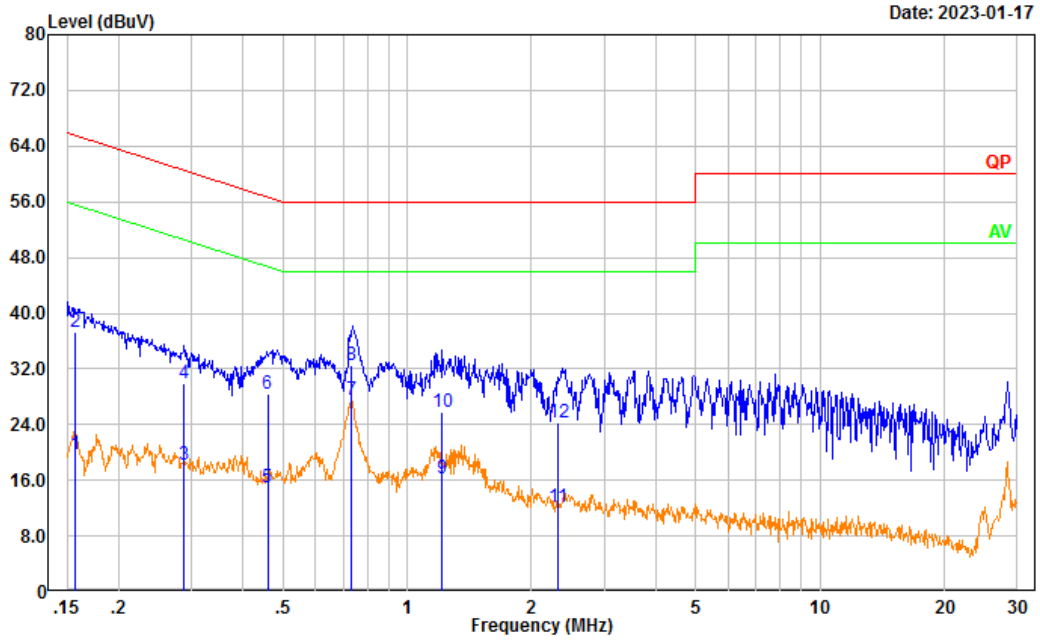
Adapter 4# + Battery #3

Test Mode: Transmitting
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.156	8.76	9.61	18.37	55.66	37.29	Average
2	0.156	25.90	9.61	35.51	65.66	30.15	QP
3	0.189	8.79	9.61	18.40	54.07	35.67	Average
4	0.189	26.29	9.61	35.90	64.07	28.17	QP
5	0.723	13.52	9.62	23.14	46.00	22.86	Average
6	0.723	24.50	9.62	34.12	56.00	21.88	QP
7	1.358	10.40	9.62	20.02	46.00	25.98	Average
8	1.358	19.61	9.62	29.23	56.00	26.77	QP
9	2.930	4.31	9.65	13.96	46.00	32.04	Average
10	2.930	16.09	9.65	25.74	56.00	30.26	QP
11	4.905	5.29	9.66	14.95	46.00	31.05	Average
12	4.905	17.38	9.66	27.04	56.00	28.96	QP

Test Mode: Transmitting
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.156	10.11	9.61	19.72	55.65	35.93	Average
2	0.156	27.61	9.61	37.22	65.65	28.43	QP
3	0.287	8.60	9.61	18.21	50.60	32.39	Average
4	0.287	20.25	9.61	29.86	60.60	30.74	QP
5	0.459	5.33	9.61	14.94	46.71	31.77	Average
6	0.459	18.71	9.61	28.32	56.71	28.39	QP
7	0.733	17.96	9.62	27.58	46.00	18.42	Average
8	0.733	22.82	9.62	32.44	56.00	23.56	QP
9	1.212	6.61	9.62	16.23	46.00	29.77	Average
10	1.212	16.22	9.62	25.84	56.00	30.16	QP
11	2.311	2.48	9.64	12.12	46.00	33.88	Average
12	2.311	14.60	9.64	24.24	56.00	31.76	QP

4.2 Radiation Spurious Emissions

Serial Number:	1XBG-2	Test Date:	2023/1/20~2023/2/1
Test Site:	966-1, 966-2	Test Mode:	Transmitting
Tester:	Carl Xue, coco Tian	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	20.5~21.4	Relative Humidity: (%)	42~50	ATM Pressure: (kPa)	100.9~101.7

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	2022/07/15	2023/07/14
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2022/07/17	2023/07/16
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2022/07/17	2023/07/16
Sonoma	Amplifier	310N	186165	2022/07/17	2023/07/16
Audix	Test Software	E3	201021 (V9)	N/A	N/A
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022/08/07	2023/08/06
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022/08/07	2023/08/06
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/09	2023/11/08
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2021/02/05	2024/02/04
AH	Preamplifier	PAM-1840VH	190	2022/11/09	2023/11/08
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2022/08/07	2023/08/06
E-Microwave	Band Rejection Filter	2400-2483.5MHz	OE01902424	2022/08/07	2023/08/06
Mini Circuits	High Pass Filter	VHF-6010+	31119	2022/08/07	2023/08/06

** 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).*

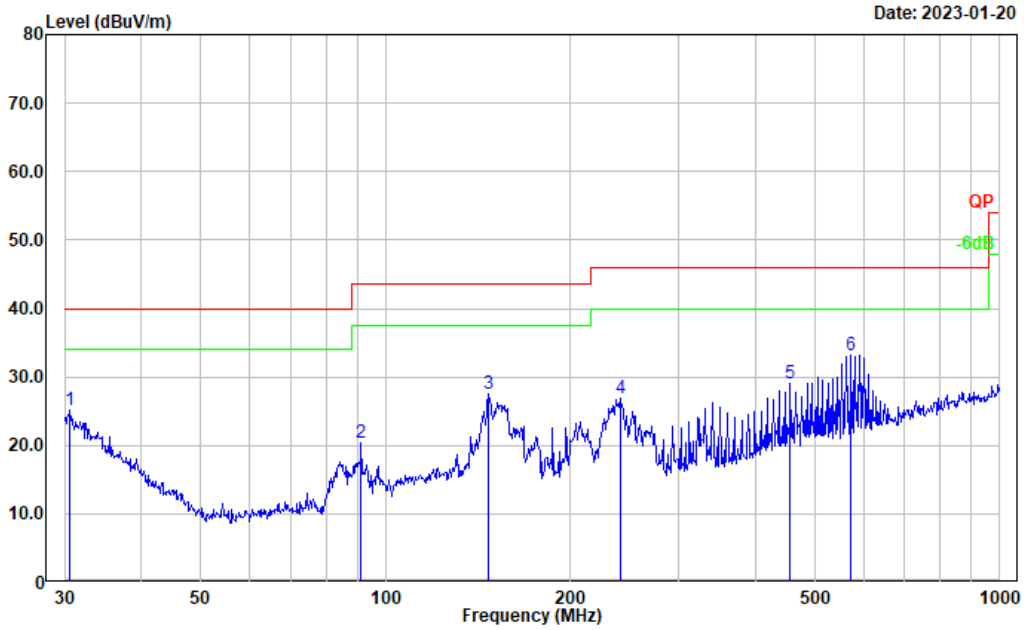
Test Data:

Please refer to the below table and plots.

Note: The device can be mounted in multiple orientations, test was performed with X,Y, Z Axis according to C63.10 Figure 8, the worst orientation was photographed and it`s data was recorded.

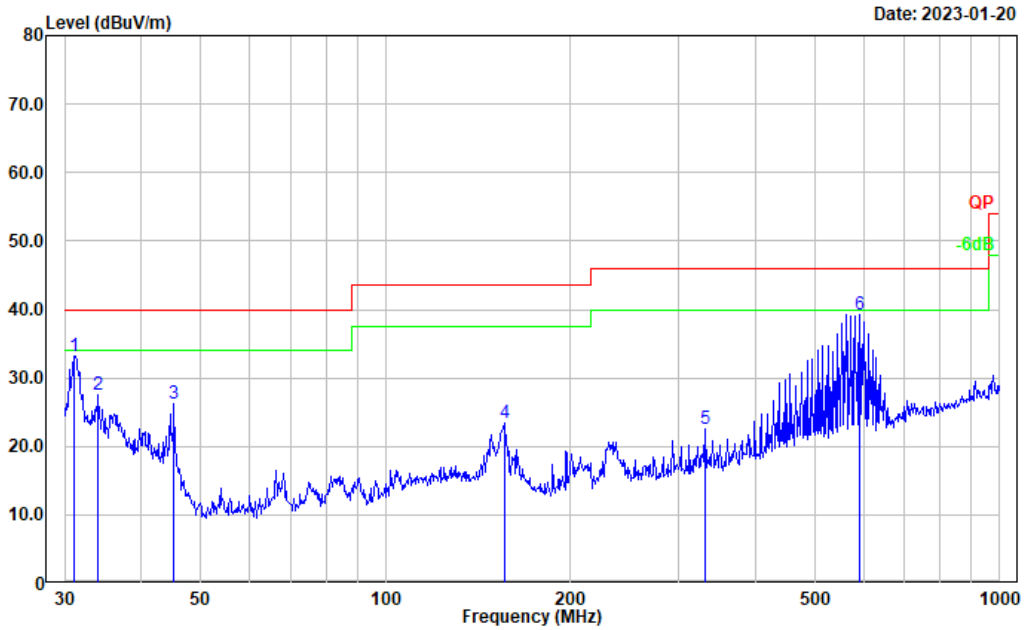
1) 30MHz-1GHz
Adapter 1# + Battery #1

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.638	29.23	-4.09	25.14	40.00	14.86	Peak
2	91.175	37.09	-16.64	20.45	43.50	23.05	Peak
3	146.888	39.60	-11.98	27.62	43.50	15.88	Peak
4	240.830	39.80	-13.01	26.79	46.00	19.21	Peak
5	455.906	35.90	-6.76	29.14	46.00	16.86	Peak
6	572.614	38.85	-5.60	33.25	46.00	12.75	Peak

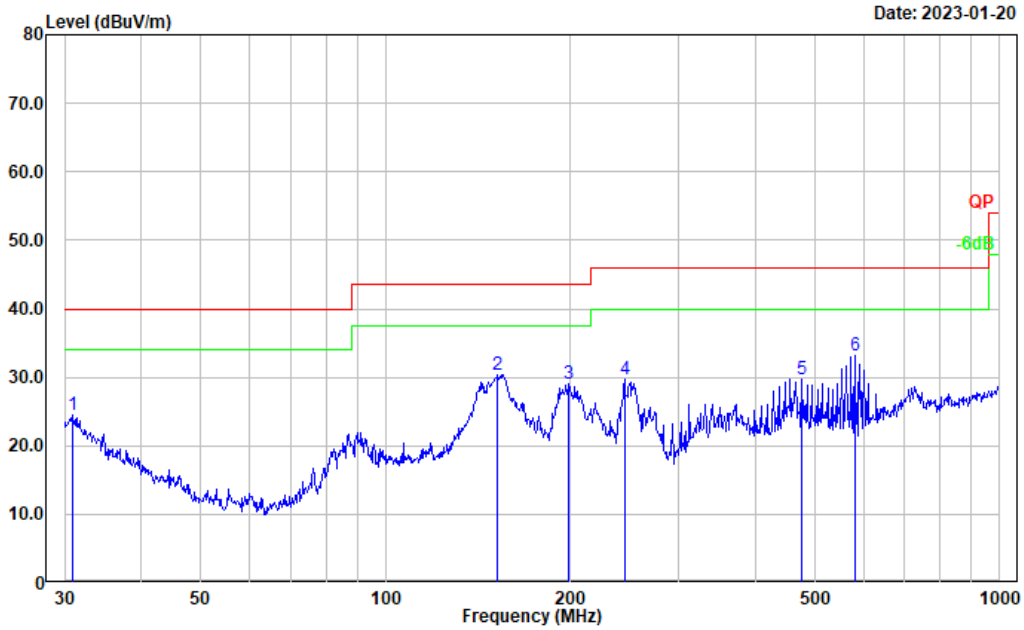
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.071	37.63	-4.43	33.20	40.00	6.80	Peak
2	34.037	34.14	-6.70	27.44	40.00	12.56	Peak
3	45.217	40.56	-14.36	26.20	40.00	13.80	Peak
4	155.910	35.37	-12.04	23.33	43.50	20.17	Peak
5	331.355	32.66	-10.20	22.46	46.00	23.54	Peak
6	590.974	44.61	-5.28	39.33	46.00	6.67	Peak

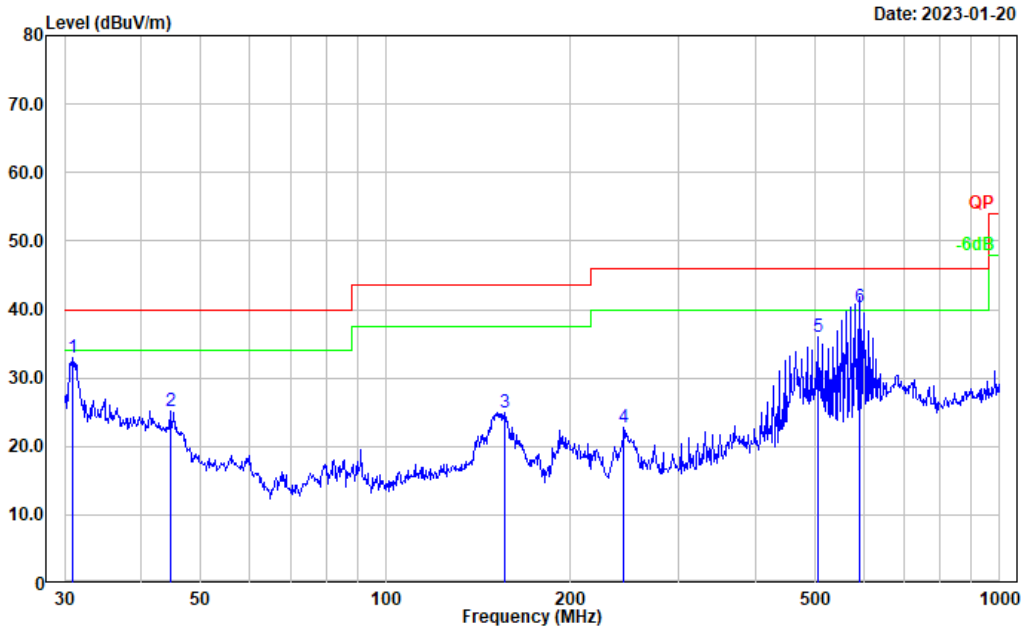
Adapter 1# + Battery #2

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.853	28.85	-4.26	24.59	40.00	15.41	Peak
2	152.130	42.41	-12.02	30.39	43.50	13.11	Peak
3	198.588	41.34	-12.38	28.96	43.50	14.54	Peak
4	245.090	42.72	-12.97	29.75	46.00	16.25	Peak
5	475.499	35.93	-6.28	29.65	46.00	16.35	Peak
6	580.703	38.68	-5.53	33.15	46.00	12.85	Peak

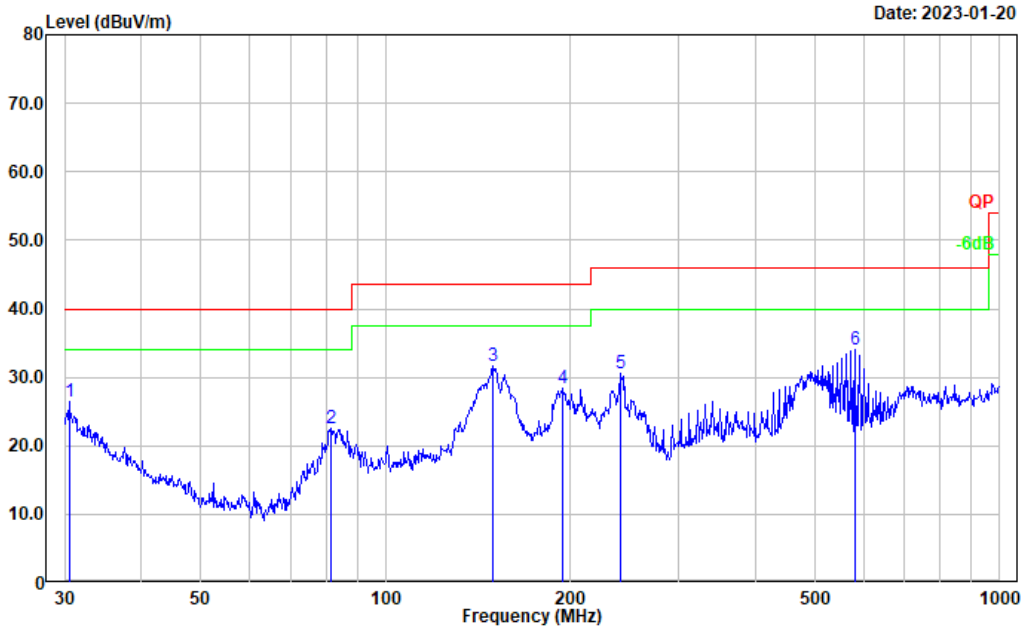
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.962	37.39	-4.34	33.05	40.00	6.95	Peak
2	44.587	39.25	-14.00	25.25	40.00	14.75	Peak
3	155.910	36.98	-12.04	24.94	43.50	18.56	Peak
4	244.232	35.85	-12.98	22.87	46.00	23.13	Peak
5	504.706	41.85	-5.93	35.92	46.00	10.08	Peak
6	590.974	45.56	-5.28	40.28	46.00	5.72	QP

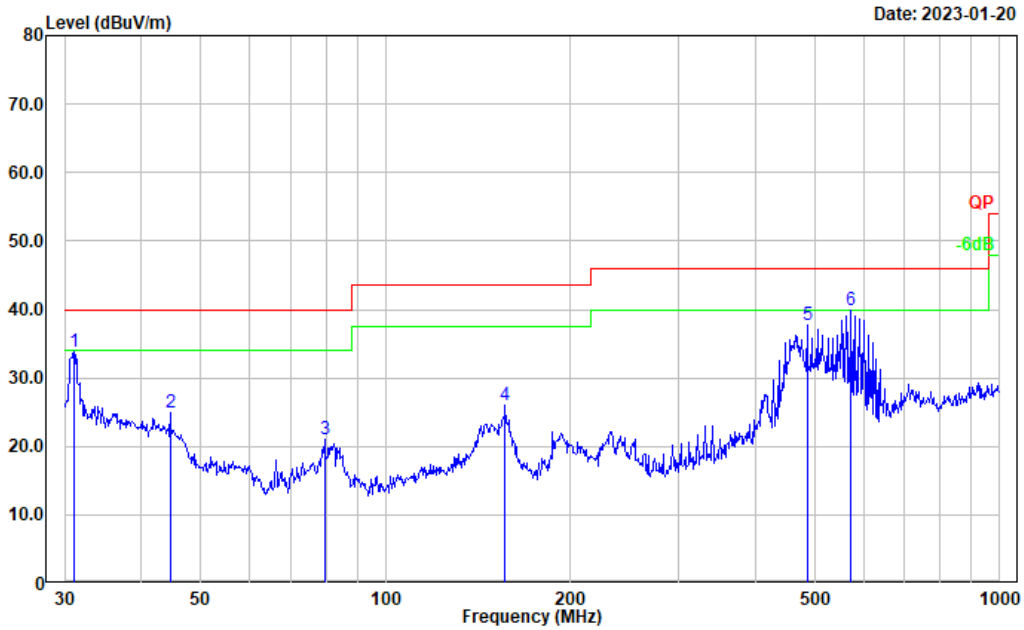
Adapter 1# + Battery #3

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.531	30.38	-4.00	26.38	40.00	13.62	Peak
2	81.497	39.96	-17.37	22.59	40.00	17.41	Peak
3	149.486	43.63	-12.00	31.63	43.50	11.87	Peak
4	194.453	41.23	-12.87	28.36	43.50	15.14	Peak
5	240.830	43.61	-13.01	30.60	46.00	15.40	Peak
6	580.703	39.50	-5.53	33.97	46.00	12.03	Peak

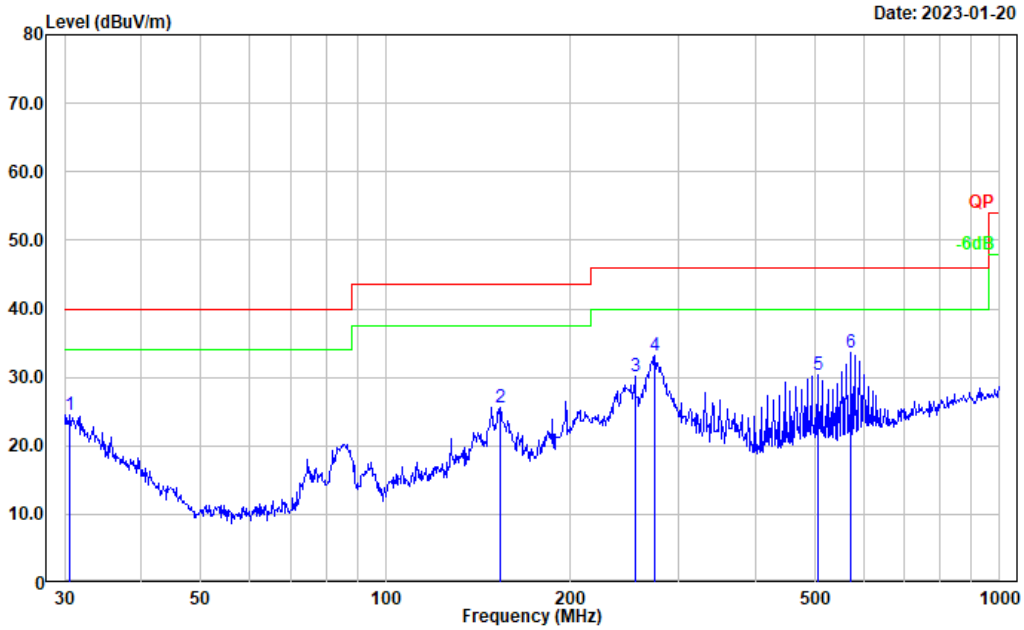
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.071	38.33	-4.43	33.90	40.00	6.10	Peak
2	44.587	38.93	-14.00	24.93	40.00	15.07	Peak
3	79.521	38.35	-17.41	20.94	40.00	19.06	Peak
4	156.458	38.08	-12.04	26.04	43.50	17.46	Peak
5	485.609	44.03	-6.29	37.74	46.00	8.26	Peak
6	572.614	45.48	-5.60	39.88	46.00	6.12	Peak

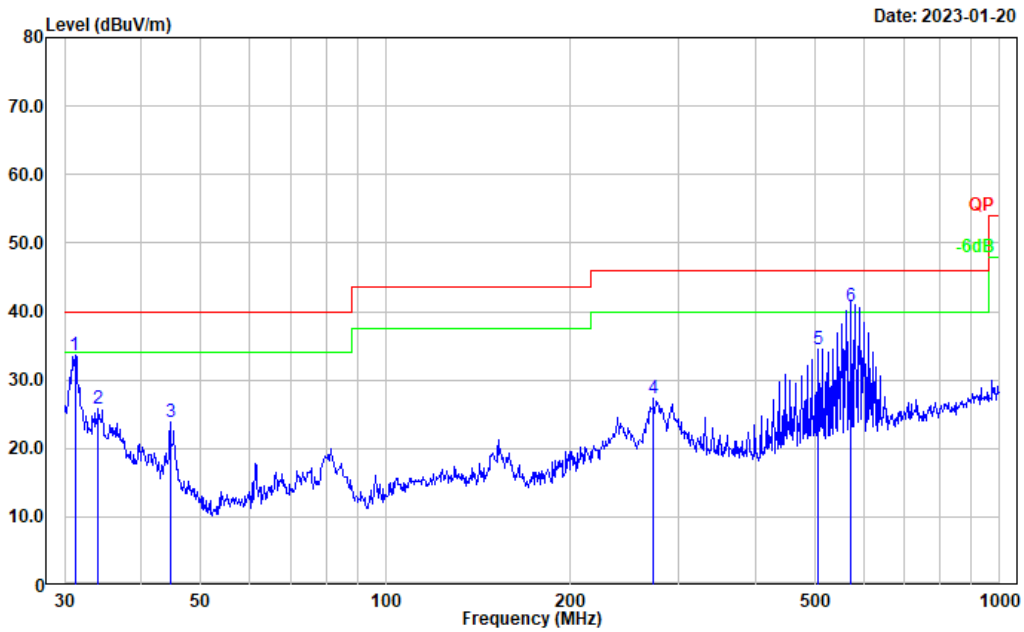
Adapter 2# + Battery #1

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.638	28.67	-4.09	24.58	40.00	15.42	Peak
2	153.739	37.67	-12.01	25.66	43.50	17.84	Peak
3	254.728	42.87	-12.83	30.04	46.00	15.96	Peak
4	274.194	45.08	-11.93	33.15	46.00	12.85	Peak
5	504.706	36.30	-5.93	30.37	46.00	15.63	Peak
6	572.614	39.27	-5.60	33.67	46.00	12.33	Peak

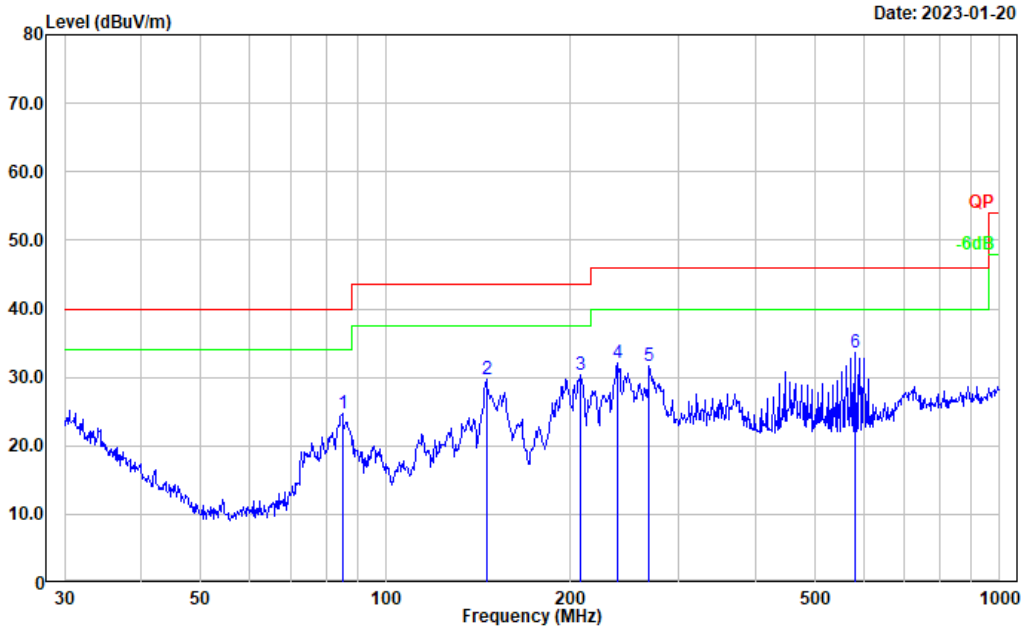
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.180	38.20	-4.50	33.70	40.00	6.30	Peak
2	34.037	32.56	-6.70	25.86	40.00	14.14	Peak
3	44.587	37.92	-14.00	23.92	40.00	16.08	Peak
4	273.234	39.21	-11.96	27.25	46.00	18.75	Peak
5	504.706	40.39	-5.93	34.46	46.00	11.54	Peak
6	572.614	46.26	-5.60	40.66	46.00	5.34	QP

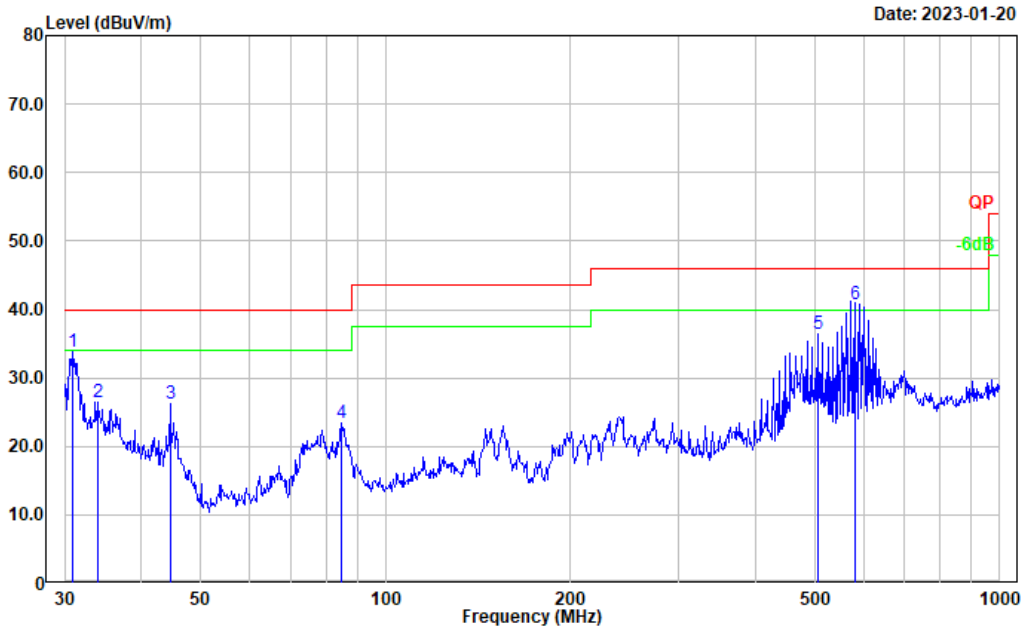
Adapter 2# + Battery #2

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	84.999	41.90	-17.19	24.71	40.00	15.29	Peak
2	145.861	41.61	-11.97	29.64	43.50	13.86	Peak
3	207.850	42.83	-12.43	30.40	43.50	13.10	Peak
4	239.147	45.11	-13.03	32.08	46.00	13.92	Peak
5	268.485	43.84	-12.15	31.69	46.00	14.31	Peak
6	580.703	39.19	-5.53	33.66	46.00	12.34	Peak

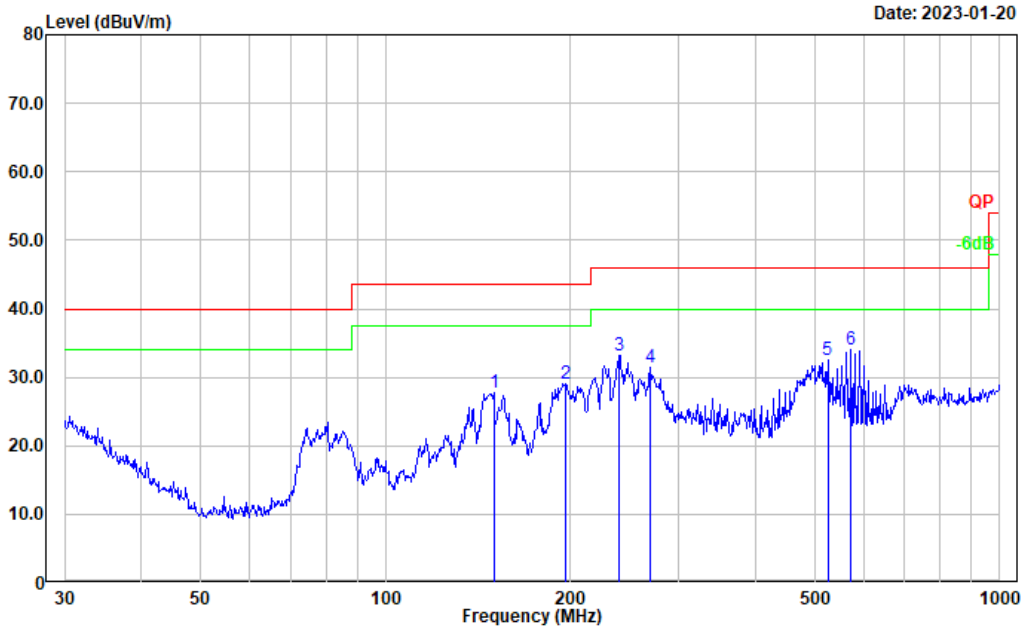
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.853	38.10	-4.26	33.84	40.00	6.16	Peak
2	33.917	33.10	-6.61	26.49	40.00	13.51	Peak
3	44.587	40.24	-14.00	26.24	40.00	13.76	Peak
4	84.702	40.52	-17.20	23.32	40.00	16.68	Peak
5	504.706	42.28	-5.93	36.35	46.00	9.65	Peak
6	580.806	46.22	-5.53	40.69	46.00	5.31	QP

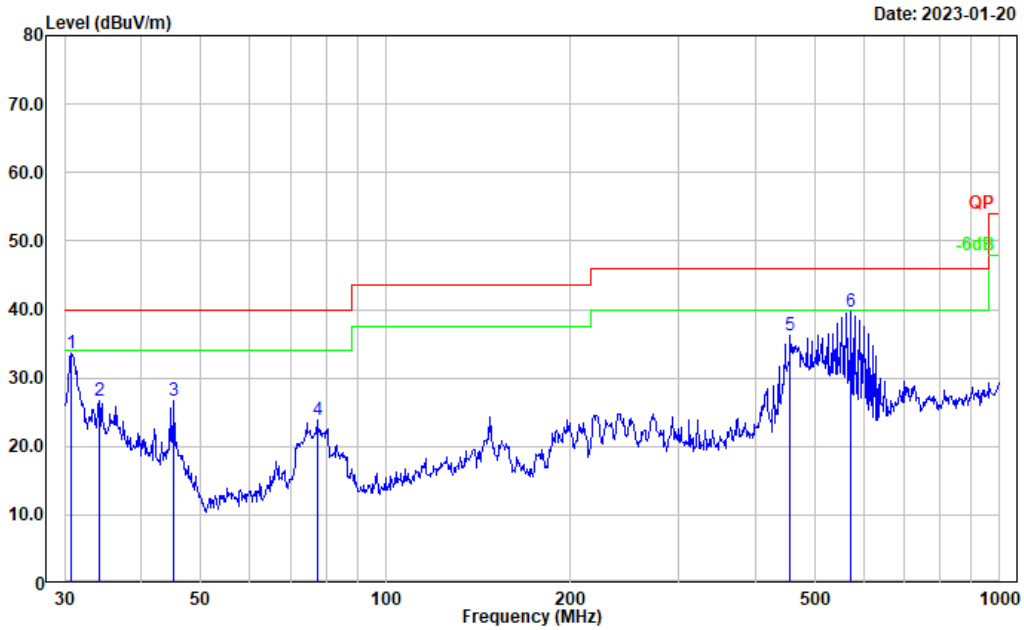
Adapter 2# + Battery #3

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	150.011	39.72	-12.00	27.72	43.50	15.78	Peak
2	196.510	41.75	-12.60	29.15	43.50	14.35	Peak
3	239.987	46.20	-13.02	33.18	46.00	12.82	Peak
4	270.375	43.44	-12.07	31.37	46.00	14.63	Peak
5	524.554	38.42	-5.89	32.53	46.00	13.47	Peak
6	572.614	39.55	-5.60	33.95	46.00	12.05	Peak

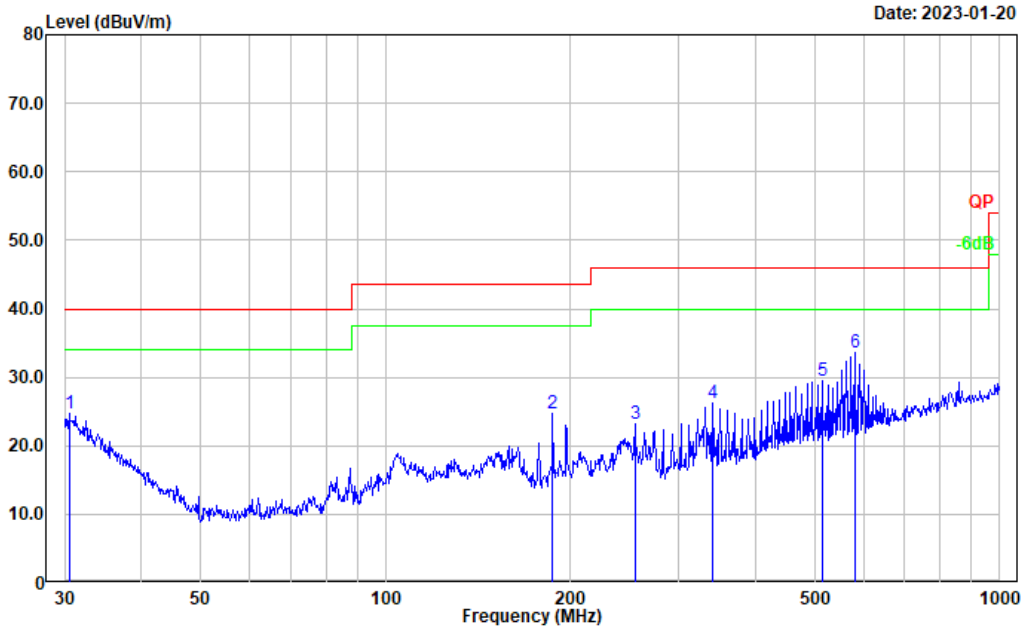
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.745	37.75	-4.17	33.58	40.00	6.42	Peak
2	34.156	33.37	-6.79	26.58	40.00	13.42	Peak
3	45.217	40.93	-14.36	26.57	40.00	13.43	Peak
4	77.321	41.10	-17.18	23.92	40.00	16.08	Peak
5	455.906	42.94	-6.76	36.18	46.00	9.82	Peak
6	572.614	45.29	-5.60	39.69	46.00	6.31	Peak

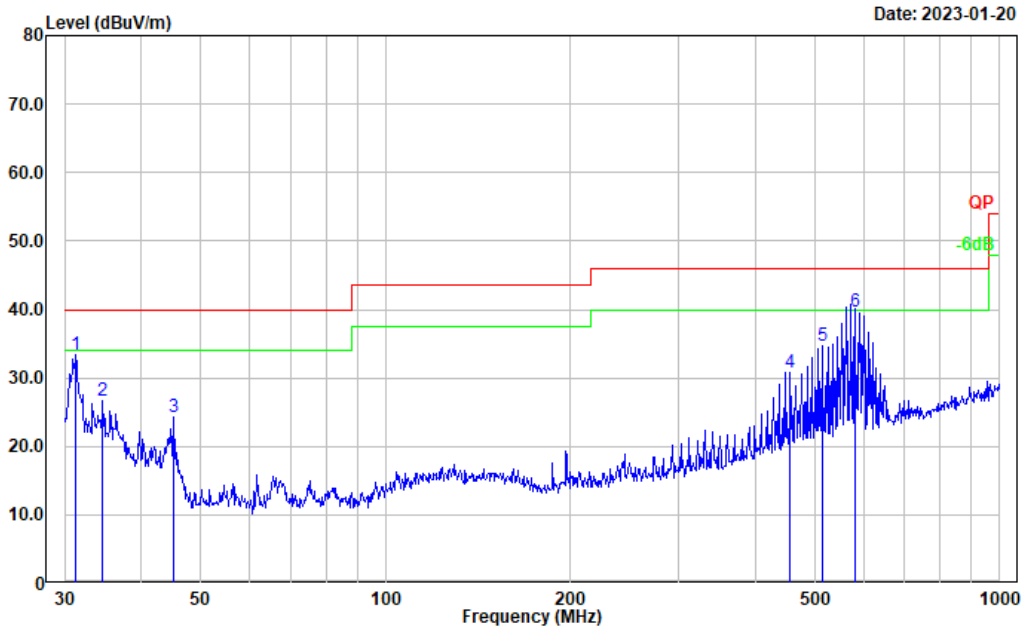
Adapter 3# + Battery #1

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.531	28.78	-4.00	24.78	40.00	15.22	Peak
2	187.096	38.21	-13.57	24.64	43.50	18.86	Peak
3	254.728	35.96	-12.83	23.13	46.00	22.87	Peak
4	340.782	36.38	-10.05	26.33	46.00	19.67	Peak
5	513.633	35.34	-5.82	29.52	46.00	16.48	Peak
6	580.703	39.04	-5.53	33.51	46.00	12.49	Peak

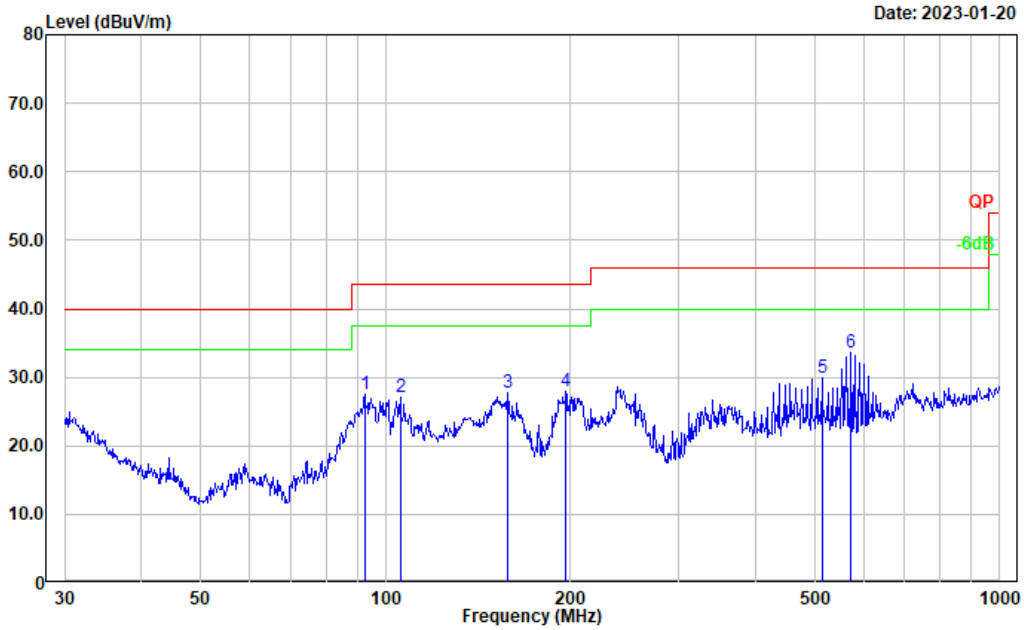
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.289	37.93	-4.59	33.34	40.00	6.66	Peak
2	34.639	33.79	-7.19	26.60	40.00	13.40	Peak
3	45.058	38.57	-14.25	24.32	40.00	15.68	Peak
4	455.906	37.61	-6.76	30.85	46.00	15.15	Peak
5	513.633	40.53	-5.82	34.71	46.00	11.29	Peak
6	580.829	45.31	-5.53	39.78	46.00	6.22	QP

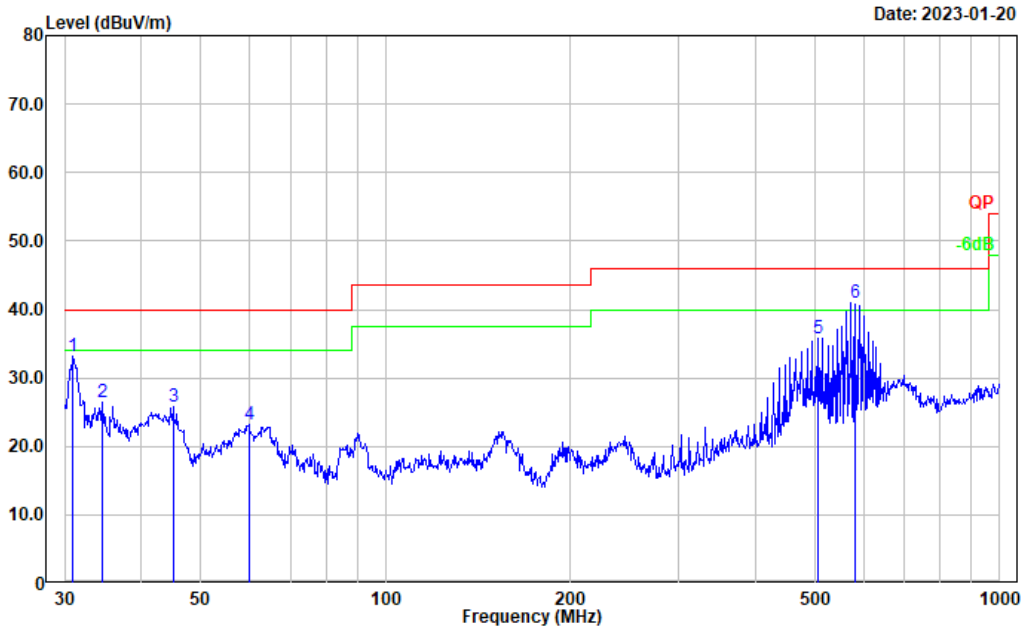
Adapter 3# + Battery #2

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	92.462	43.84	-16.32	27.52	43.50	15.98	Peak
2	105.642	40.40	-13.23	27.17	43.50	16.33	Peak
3	158.112	39.91	-12.06	27.85	43.50	15.65	Peak
4	196.510	40.67	-12.60	28.07	43.50	15.43	Peak
5	513.633	35.64	-5.82	29.82	46.00	16.18	Peak
6	572.614	39.14	-5.60	33.54	46.00	12.46	Peak

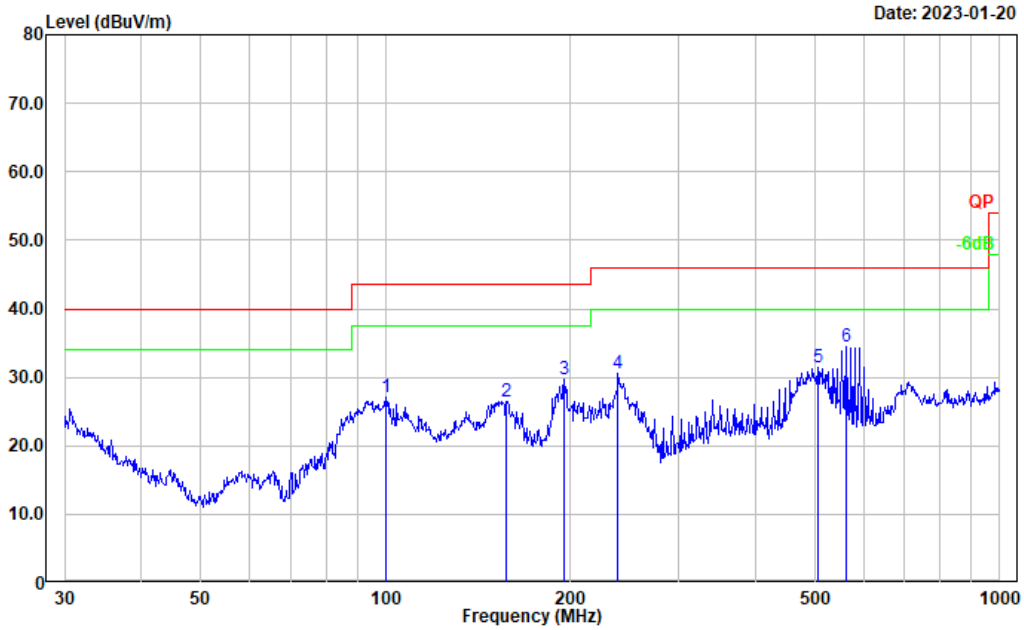
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.962	37.49	-4.34	33.15	40.00	6.85	Peak
2	34.639	33.70	-7.19	26.51	40.00	13.49	Peak
3	45.058	40.10	-14.25	25.85	40.00	14.15	Peak
4	59.859	40.50	-17.41	23.09	40.00	16.91	Peak
5	504.706	41.71	-5.93	35.78	46.00	10.22	Peak
6	580.806	46.48	-5.53	40.95	46.00	5.05	QP

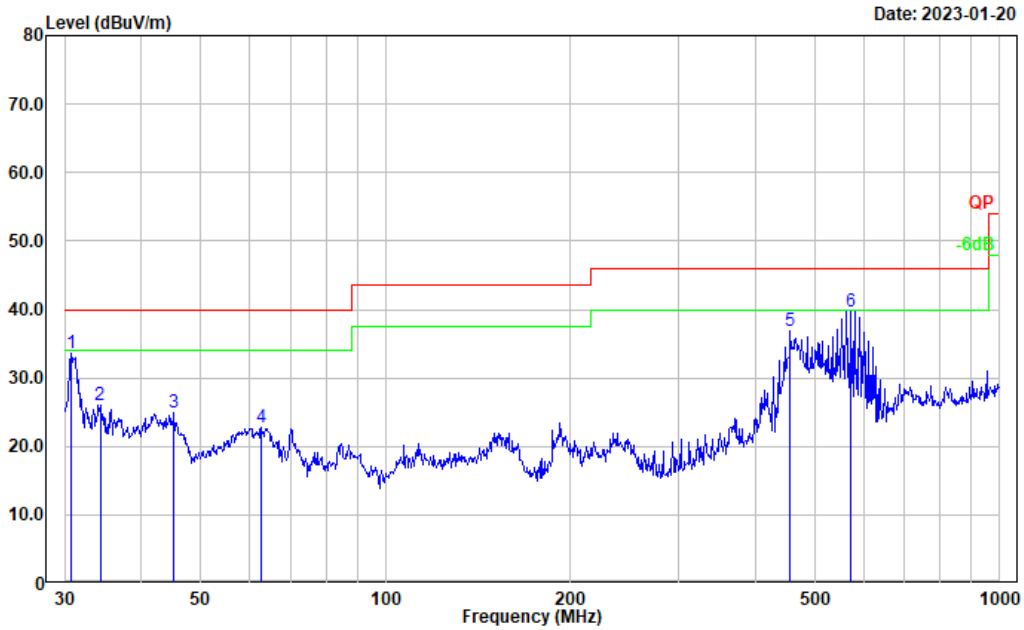
Adapter 3# + Battery #3

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	99.878	41.36	-14.35	27.01	43.50	16.49	Peak
2	157.559	38.48	-12.05	26.43	43.50	17.07	Peak
3	195.137	42.51	-12.76	29.75	43.50	13.75	Peak
4	239.147	43.53	-13.03	30.50	46.00	15.50	Peak
5	504.706	37.28	-5.93	31.35	46.00	14.65	Peak
6	562.662	40.15	-5.63	34.52	46.00	11.48	Peak

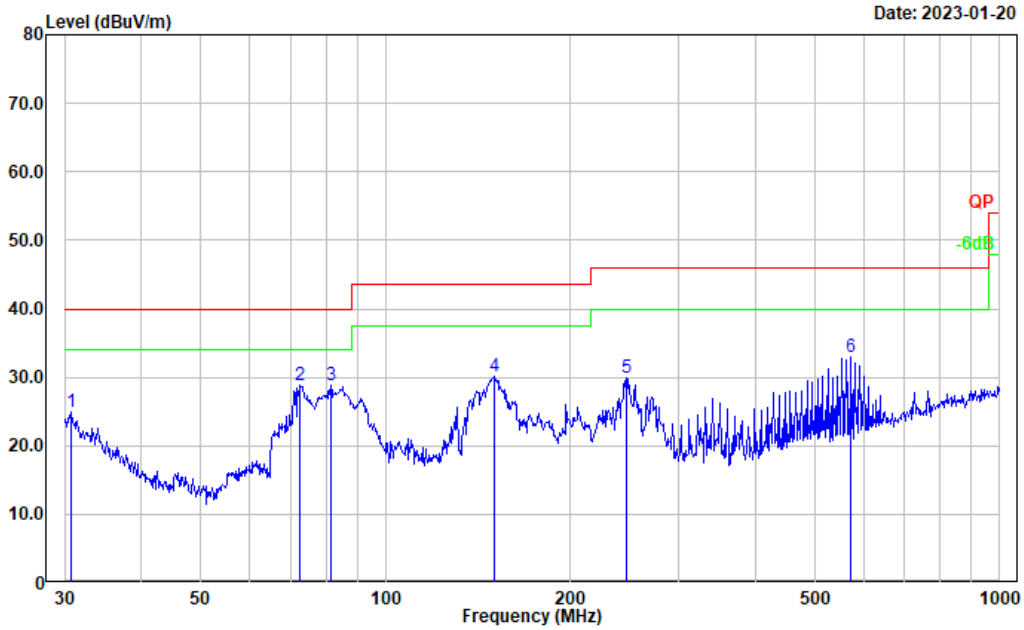
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.745	37.83	-4.17	33.66	40.00	6.34	Peak
2	34.276	32.96	-6.90	26.06	40.00	13.94	Peak
3	45.217	39.38	-14.36	25.02	40.00	14.98	Peak
4	62.651	39.88	-17.16	22.72	40.00	17.28	Peak
5	455.906	43.65	-6.76	36.89	46.00	9.11	Peak
6	572.614	45.34	-5.60	39.74	46.00	6.26	Peak

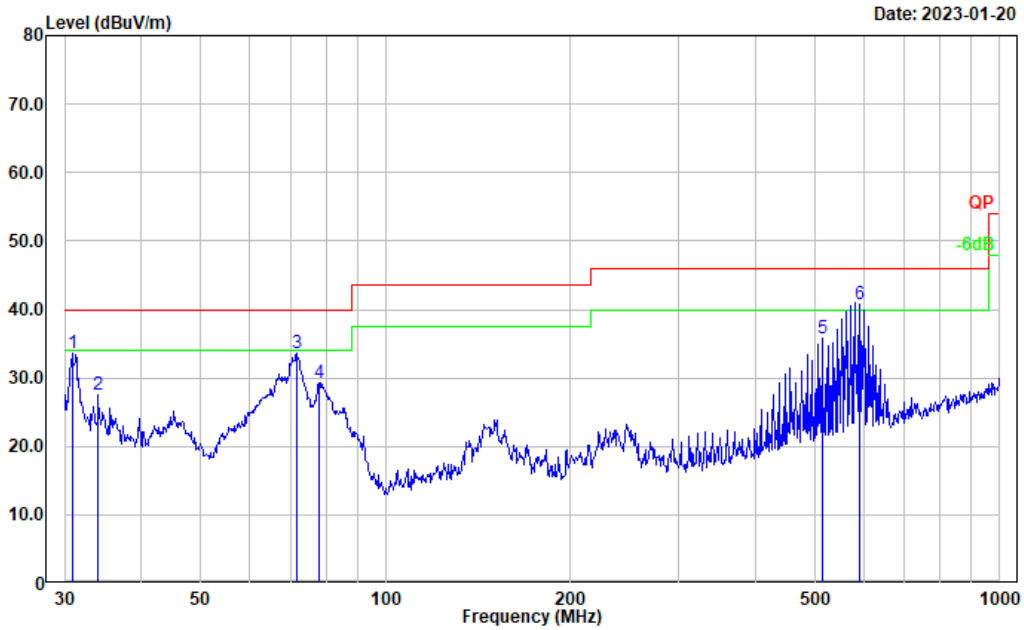
Adapter 4# + Battery #1

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.745	29.12	-4.17	24.95	40.00	15.05	Peak
2	72.338	45.57	-16.70	28.87	40.00	11.13	Peak
3	81.497	46.28	-17.37	28.91	40.00	11.09	Peak
4	150.538	42.10	-12.03	30.07	43.50	13.43	Peak
5	246.815	42.95	-13.02	29.93	46.00	16.07	Peak
6	572.614	38.50	-5.60	32.90	46.00	13.10	Peak

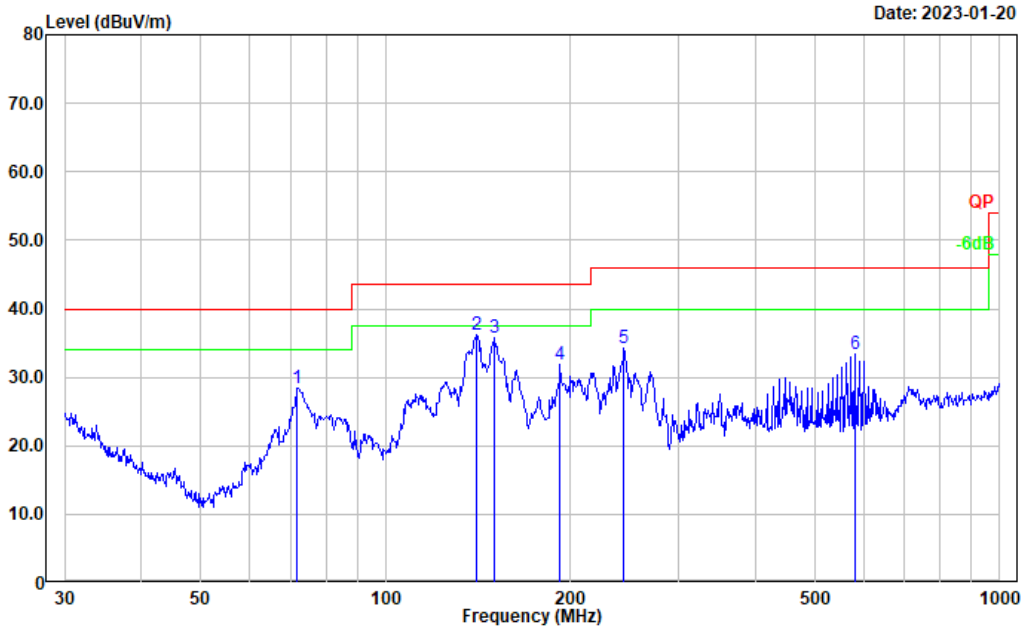
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.853	37.84	-4.26	33.58	40.00	6.42	Peak
2	34.037	34.17	-6.70	27.47	40.00	12.53	Peak
3	71.581	50.18	-16.64	33.54	40.00	6.46	Peak
4	77.865	46.55	-17.25	29.30	40.00	10.70	Peak
5	513.633	41.56	-5.82	35.74	46.00	10.26	Peak
6	590.426	46.14	-5.30	40.84	46.00	5.16	QP

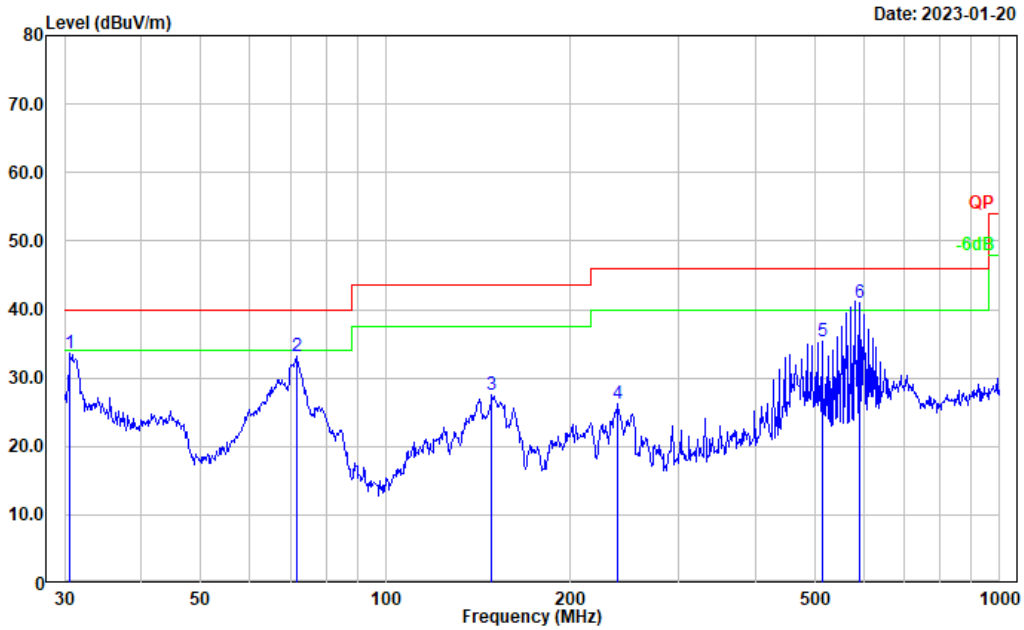
Adapter 4# + Battery #2

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	71.832	45.04	-16.66	28.38	40.00	11.62	Peak
2	140.342	48.00	-11.89	36.11	43.50	7.39	Peak
3	150.538	47.74	-12.03	35.71	43.50	7.79	Peak
4	192.419	45.03	-13.13	31.90	43.50	11.60	Peak
5	244.232	47.26	-12.98	34.28	46.00	11.72	Peak
6	580.703	38.91	-5.53	33.38	46.00	12.62	Peak

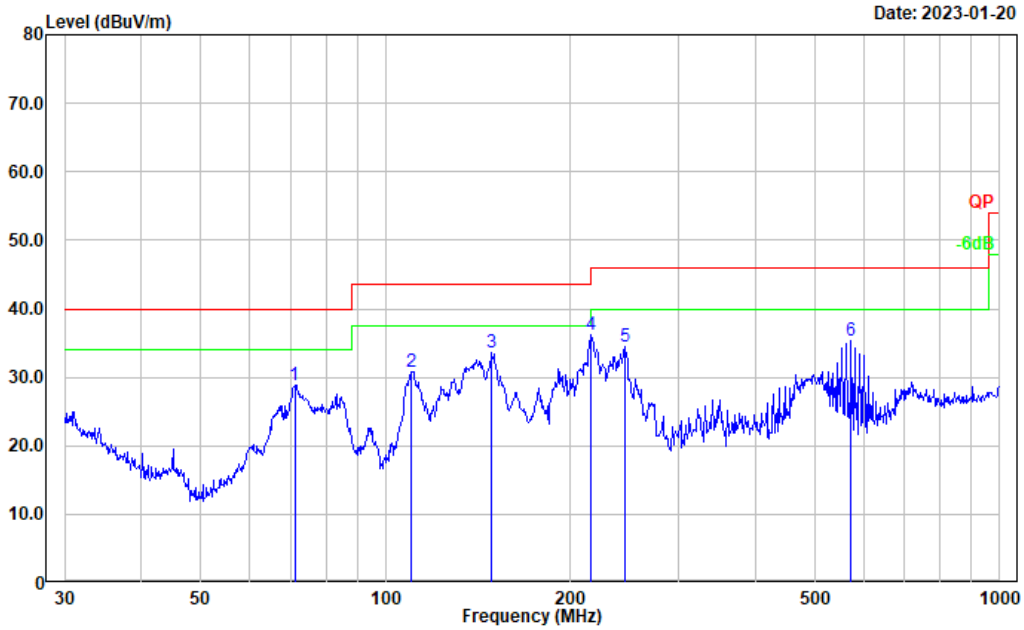
Test Mode: Transmitting
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.638	37.77	-4.09	33.68	40.00	6.32	Peak
2	71.581	49.83	-16.64	33.19	40.00	6.81	Peak
3	148.963	39.49	-12.00	27.49	43.50	16.01	Peak
4	239.147	39.28	-13.03	26.25	46.00	19.75	Peak
5	513.633	41.23	-5.82	35.41	46.00	10.59	Peak
6	590.426	46.37	-5.30	41.07	46.00	4.93	QP

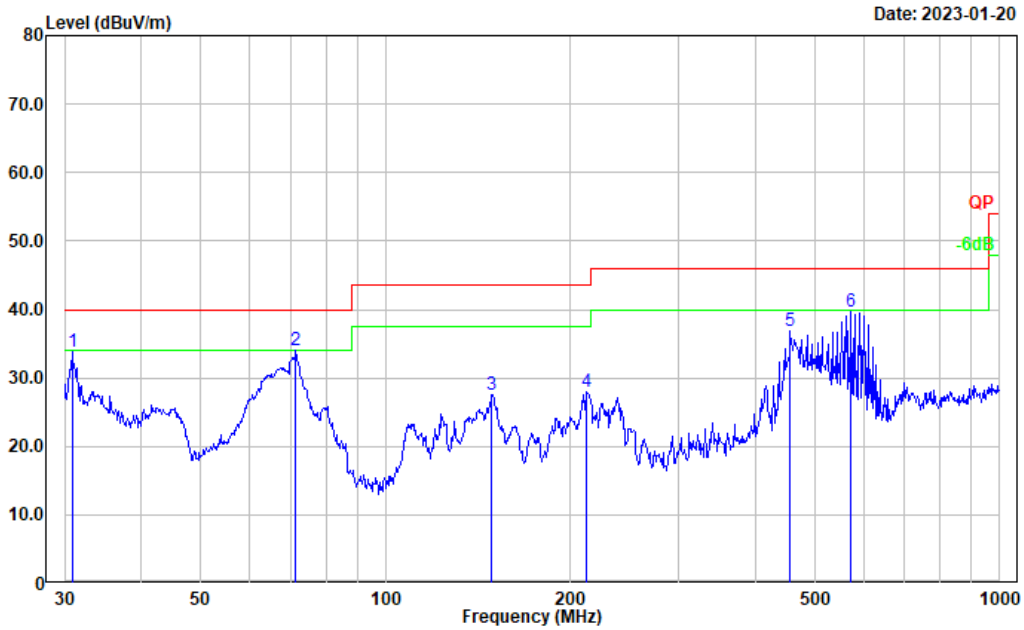
Adapter 4# + Battery #3

Test Mode: Transmitting
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	71.080	45.42	-16.59	28.83	40.00	11.17	Peak
2	110.182	43.21	-12.32	30.89	43.50	12.61	Peak
3	148.963	45.51	-12.00	33.51	43.50	9.99	Peak
4	215.268	48.82	-12.61	36.21	43.50	7.29	Peak
5	245.090	47.52	-12.97	34.55	46.00	11.45	Peak
6	572.614	40.87	-5.60	35.27	46.00	10.73	Peak

Test Mode: Transmitting
Polarization: vertical
Note:



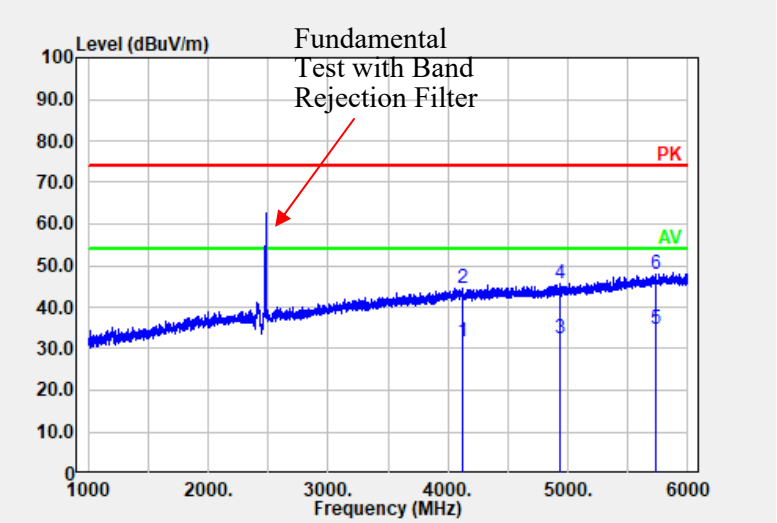
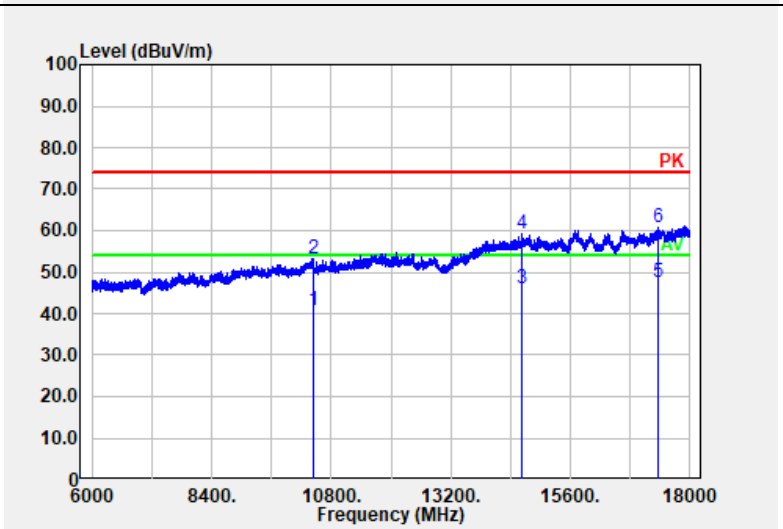
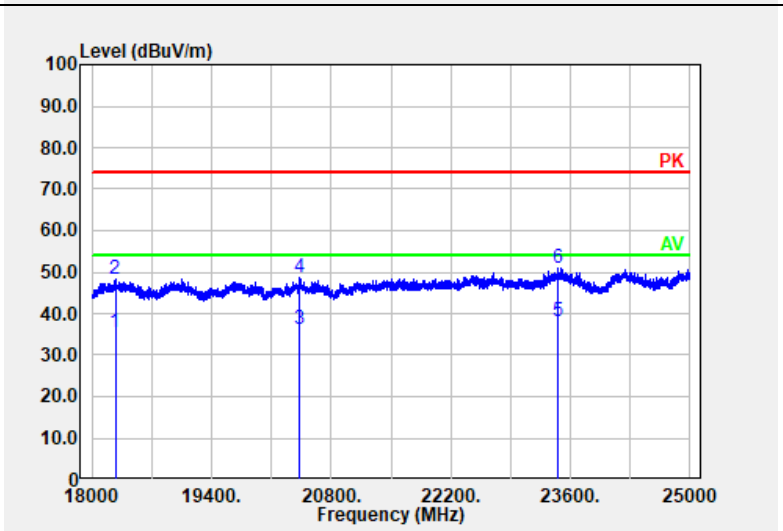
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.853	38.08	-4.26	33.82	40.00	6.18	Peak
2	71.330	50.55	-16.61	33.94	40.00	6.06	Peak
3	148.963	39.59	-12.00	27.59	43.50	15.91	Peak
4	212.270	40.42	-12.54	27.88	43.50	15.62	Peak
5	455.906	43.58	-6.76	36.82	46.00	9.18	Peak
6	572.614	45.34	-5.60	39.74	46.00	6.26	Peak

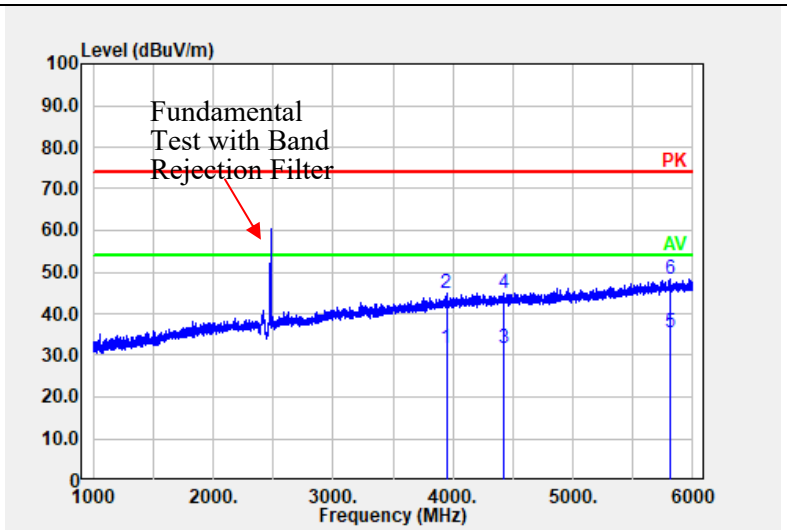
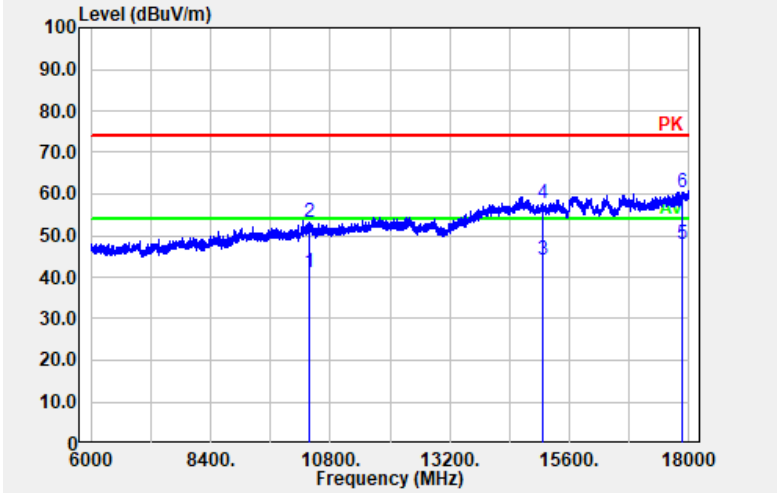
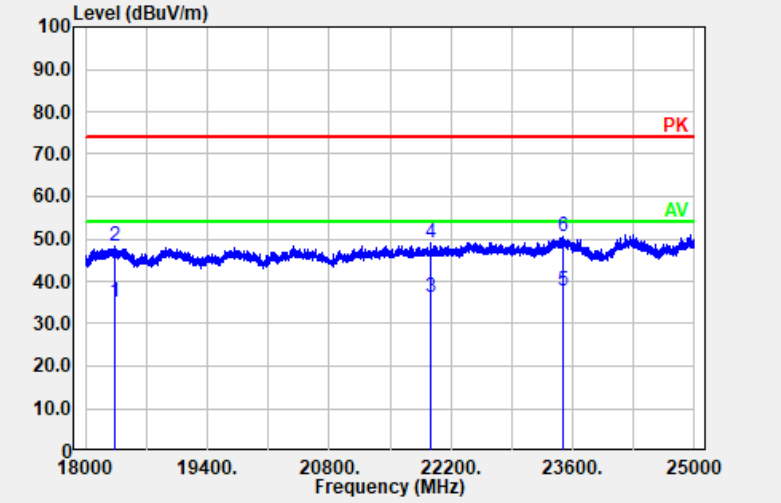
2) 1-25GHz(Adapter 4#+ Battery #2 was the worst):

BDR Mode(GFSK) was the worst:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel: 2402 MHz							
2402.000	65.46	PK	H	31.51	96.97	N/A	N/A
2402.000	54.34	AV	H	31.51	85.85	N/A	N/A
2402.000	61.23	PK	V	31.51	92.74	N/A	N/A
2402.000	50.43	AV	V	31.51	81.94	N/A	N/A
2390.000	23.96	PK	H	31.46	55.42	74.00	18.58
2390.000	13.86	AV	H	31.46	45.32	54.00	8.68
4804.000	34.76	PK	H	10.91	45.67	74.00	28.33
4804.000	21.62	AV	H	10.91	32.53	54.00	21.47
7206.000	34.25	PK	H	14.22	48.47	74.00	25.53
7206.000	21.33	AV	H	14.22	35.55	54.00	18.45
Middle Channel: 2441 MHz							
2441.000	66.13	PK	H	31.61	97.74	N/A	N/A
2441.000	55.32	AV	H	31.61	86.93	N/A	N/A
2441.000	62.45	PK	V	31.61	94.06	N/A	N/A
2441.000	51.29	AV	V	31.61	82.90	N/A	N/A
4882.000	34.76	PK	H	11.07	45.83	74.00	28.17
4882.000	21.65	AV	H	11.07	32.72	54.00	21.28
7323.000	34.23	PK	H	14.80	49.03	74.00	24.97
7323.000	21.34	AV	H	14.80	36.14	54.00	17.86
High Channel: 2480 MHz							
2480.000	64.37	PK	H	31.64	96.01	N/A	N/A
2480.000	53.71	AV	H	31.64	85.35	N/A	N/A
2480.000	60.53	PK	V	31.64	92.17	N/A	N/A
2480.000	49.67	AV	V	31.64	81.31	N/A	N/A
2483.500	27.23	PK	H	31.64	58.87	74.00	15.13
2483.500	14.23	AV	H	31.64	45.87	54.00	8.13
4960.000	34.62	PK	H	11.23	45.85	74.00	28.15
4960.000	21.58	AV	H	11.23	32.81	54.00	21.19
7440.000	34.46	PK	H	15.26	49.72	74.00	24.28
7440.000	21.32	AV	H	15.26	36.58	54.00	17.42

Worst Test plots(BDR High channel was the worst)

Horizontal	
1-6GHz	
6-18GHz	
18-25GHz	

Vertical	
1-6GHz	
6-18GHz	
18-25GHz	

4.3 20 dB Emission Bandwidth:

Serial Number:	1XBG-2	Test Date:	2023/1/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Claire Liu	Test Result:	N/A

Environmental Conditions:

Temperature: (℃)	25.6	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.4

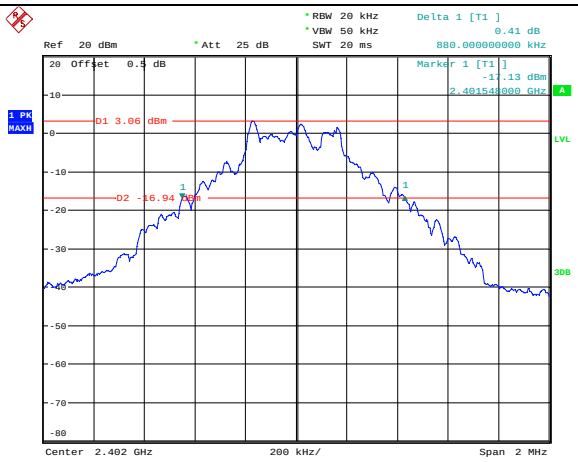
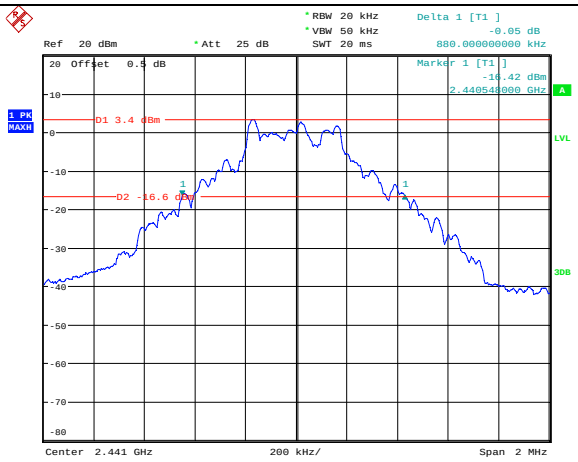
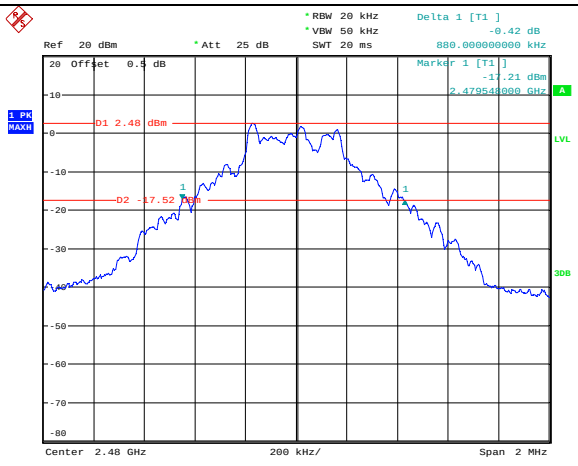
Test Equipment List and Details:

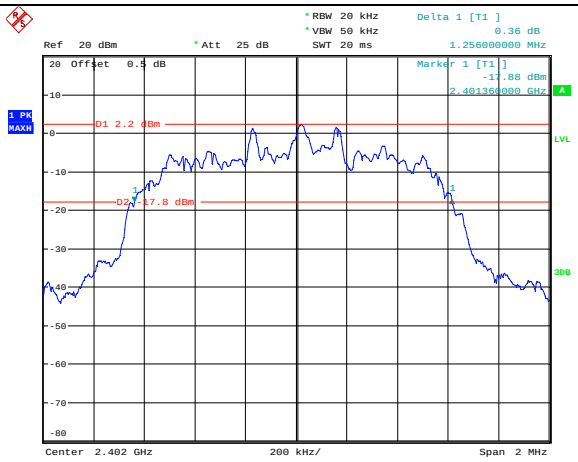
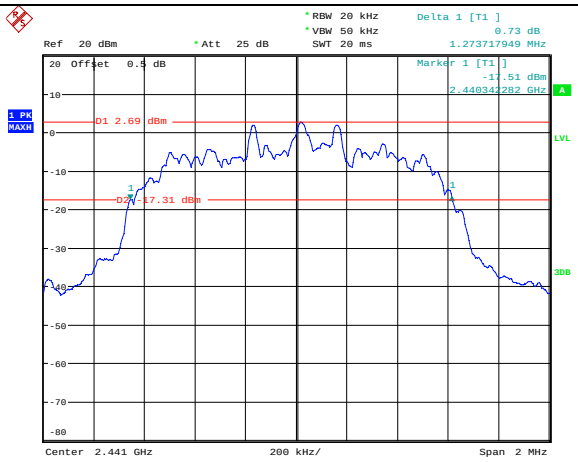
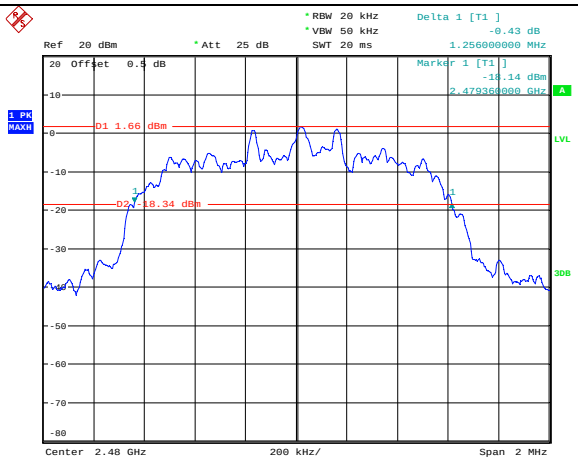
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

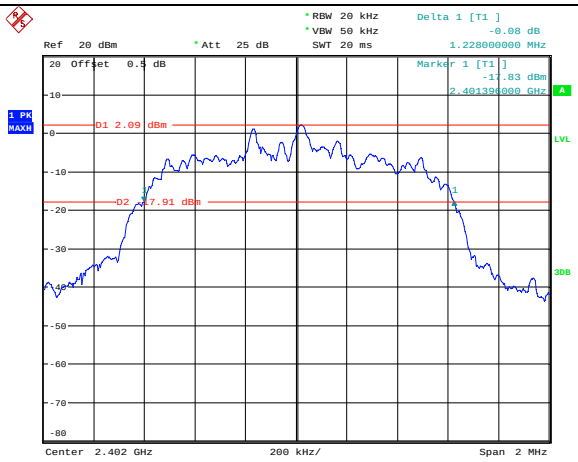
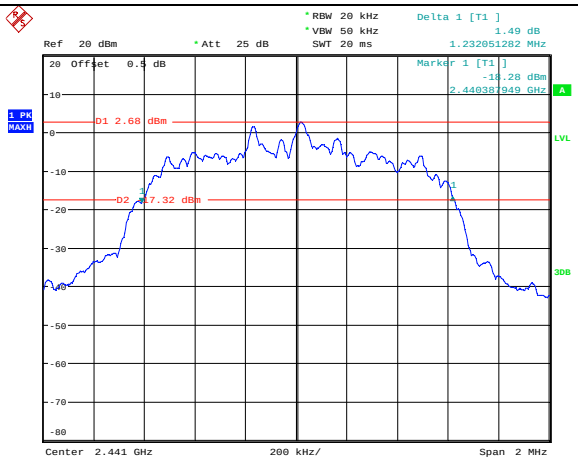
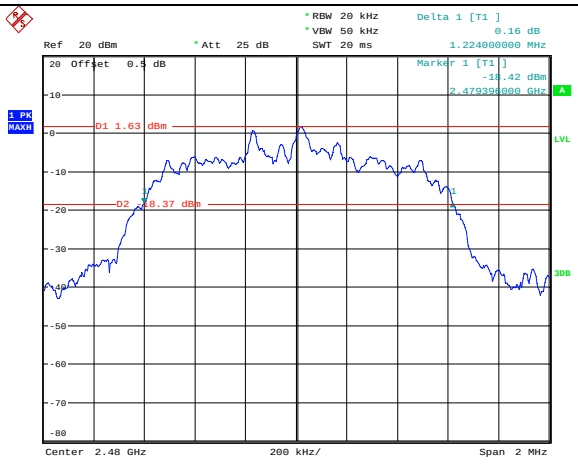
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Test Modes	Test Channel	Test Frequency (MHz)	20 dB Bandwidth (MHz)
BDR Mode (GFSK)	Lowest	2402	0.880
	Middle	2441	0.880
	Highest	2480	0.880
EDR Mode (π/4-DQPSK)	Lowest	2402	1.256
	Middle	2441	1.274
	Highest	2480	1.256
EDR Mode (8DPSK)	Lowest	2402	1.228
	Middle	2441	1.232
	Highest	2480	1.224

BDR Mode (GFSK)	
Lowest Channel	
Middle Channel	
Highest Channel	

EDR Mode (π/4-DQPSK)	
Lowest Channel	
Middle Channel	
Highest Channel	

EDR Mode (8DPSK)	
Lowest Channel	
Middle Channel	
Highest Channel	

4.4 Channel Separation:

Serial Number:	1XBG-2	Test Date:	2023/1/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Claire Liu	Test Result:	Pass

Environmental Conditions:

Temperature: (℃)	25.6	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.4

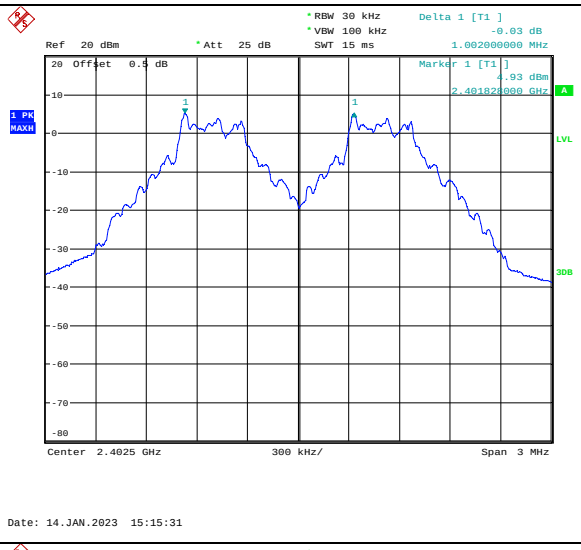
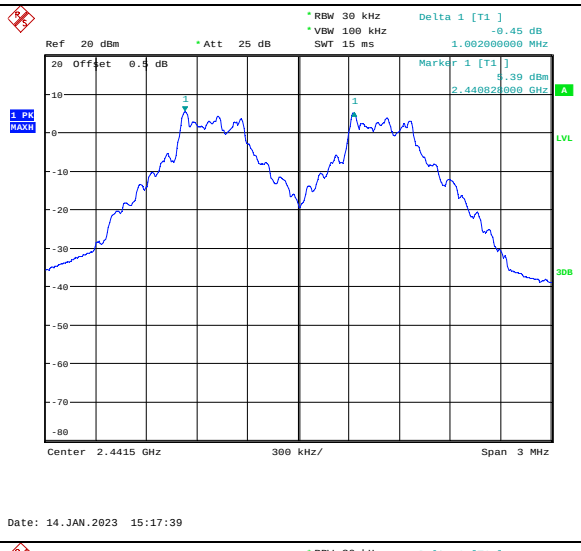
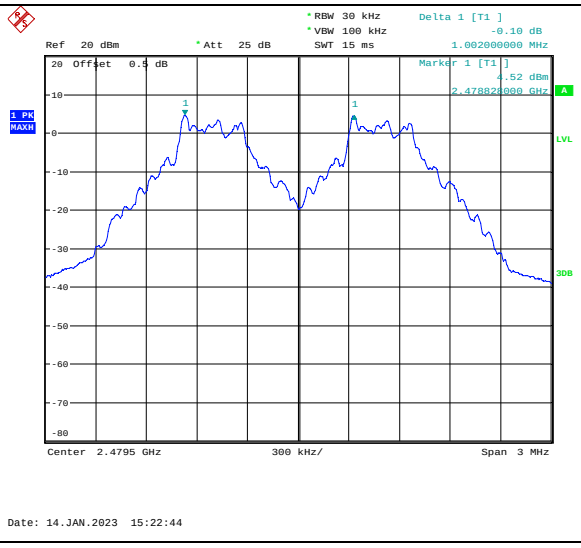
Test Equipment List and Details:

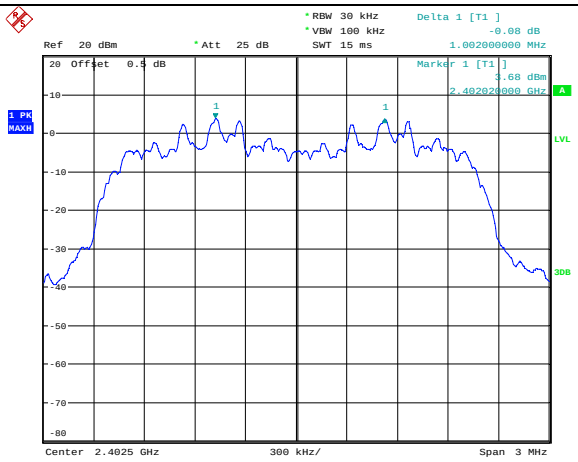
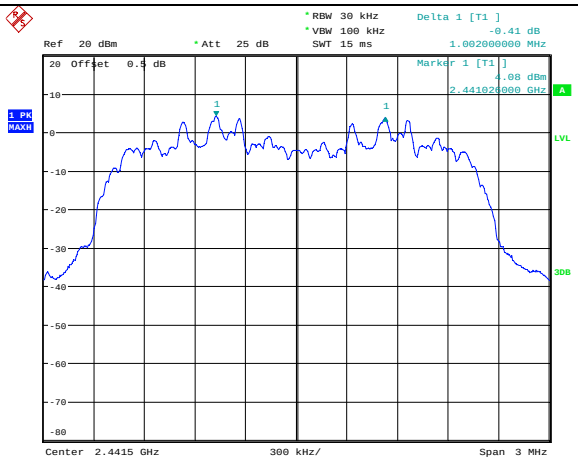
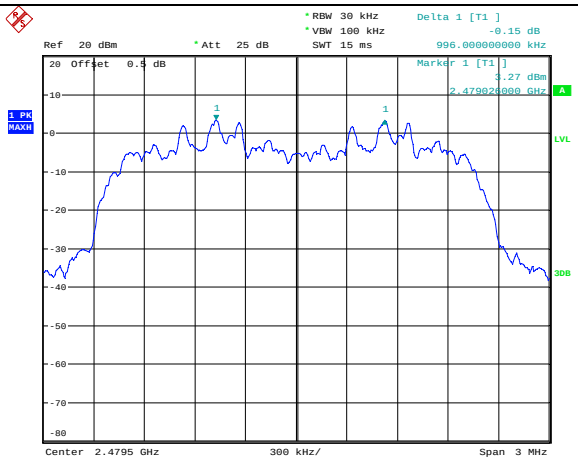
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

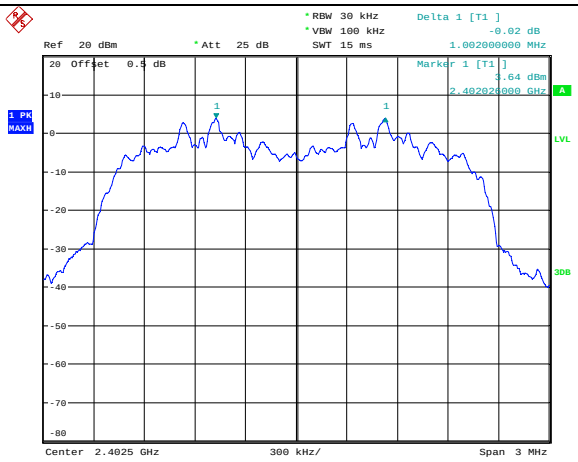
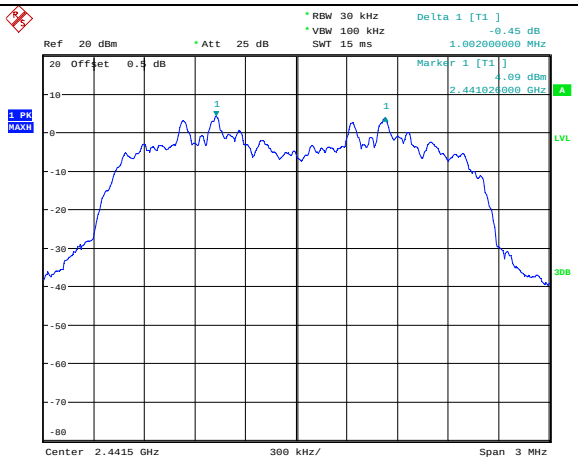
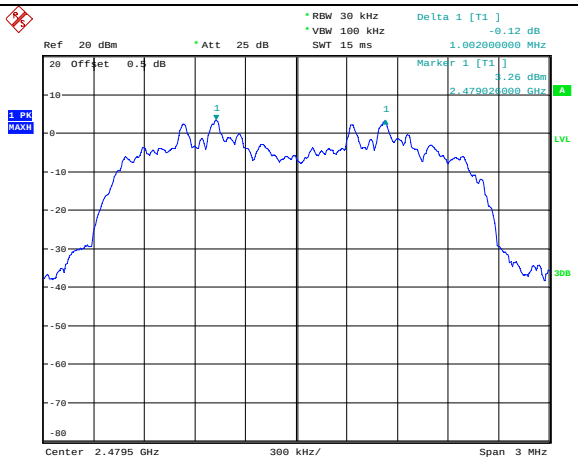
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Test Modes	Test Frequency (MHz)	Channel Separation (MHz)	Limits (MHz)
BDR Mode (GFSK)	2402	1.002	0.587
	2441	1.002	0.587
	2480	1.002	0.587
EDR Mode (π/4-DQPSK)	2402	1.002	0.837
	2441	1.002	0.849
	2480	0.996	0.837
EDR Mode (8DPSK)	2402	1.002	0.819
	2441	1.002	0.821
	2480	1.002	0.816

BDR Mode (GFSK)	
Lowest Channel	
Middle Channel	
Highest Channel	

EDR Mode (π/4-DQPSK)	
Lowest Channel	
Middle Channel	
Highest Channel	

EDR Mode (8DPSK)	
Lowest Channel	
Middle Channel	
Highest Channel	

4.5 Number of Hopping Frequency:

Serial Number:	1XBG-2	Test Date:	2023/1/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Claire Liu	Test Result:	Pass

Environmental Conditions:

Temperature: (℃)	25.6	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.4

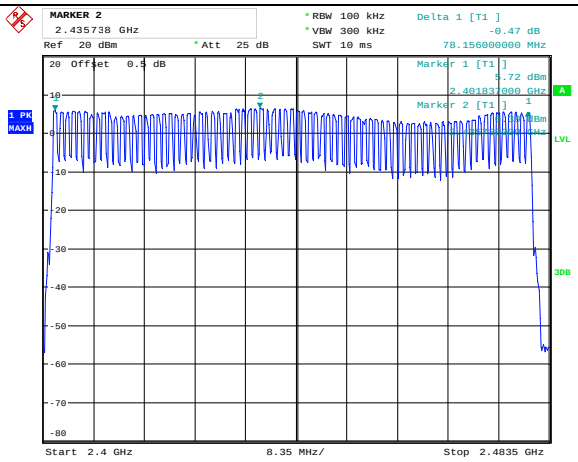
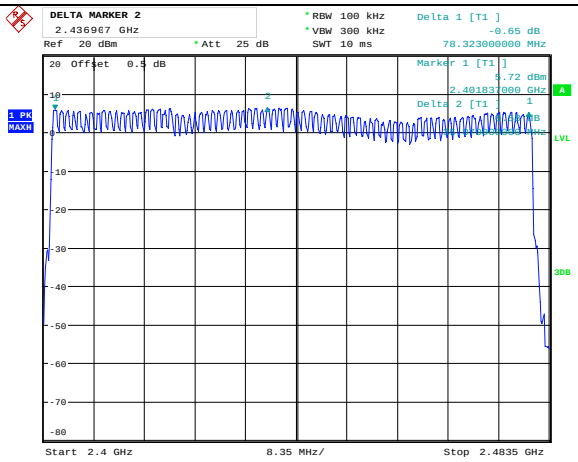
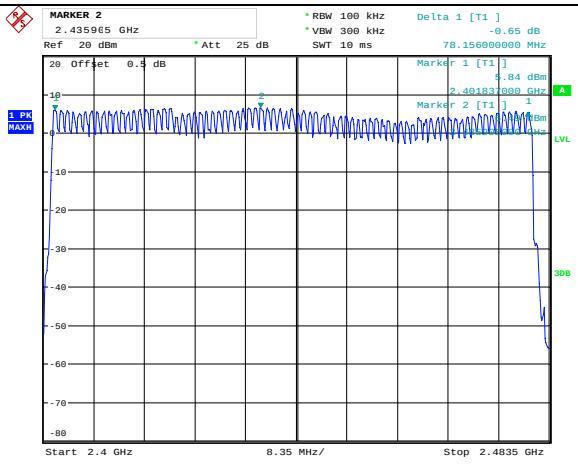
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	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).*

Test Data:

Test Modes	Frequency Range (MHz)	Number of Hopping Channel	Limits
GFSK	2400-2483.5	79	≥15
π/4-DQPSK	2400-2483.5	79	≥15
8DPSK	2400-2483.5	79	≥15

Number of Hopping Channel	
BDR Mode (GFSK)	
EDR Mode (π/4-DQPSK)	
EDR Mode (8DPSK)	

4.6 Time Of Occupancy(Dwell Time):

Serial Number:	1XBG-2	Test Date:	2023/1/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Claire Liu	Test Result:	Pass

Environmental Conditions:

Temperature: (℃)	25.6	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.4

Test Equipment List and Details:

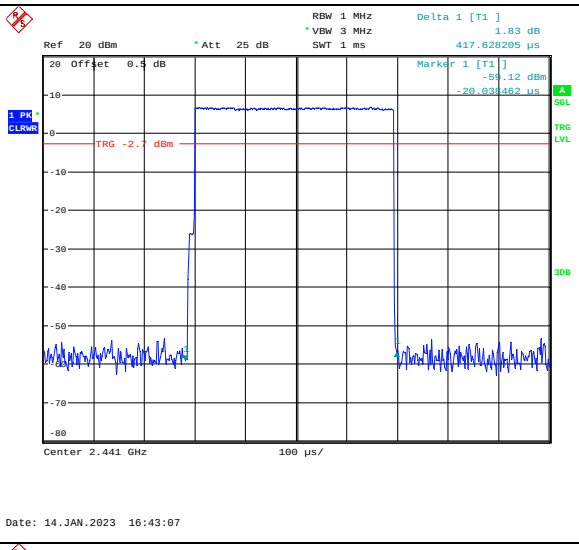
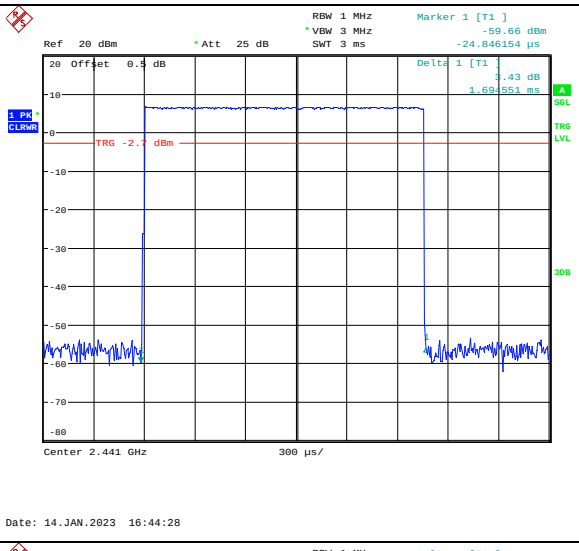
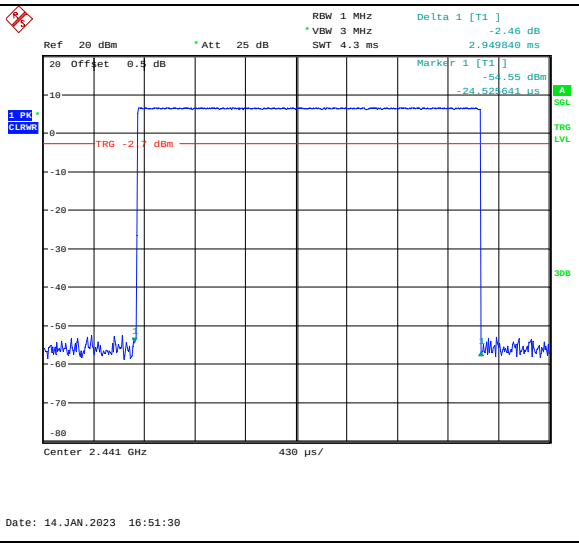
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

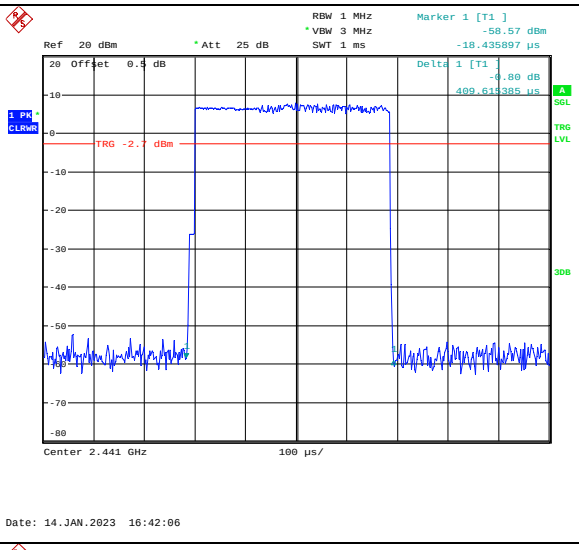
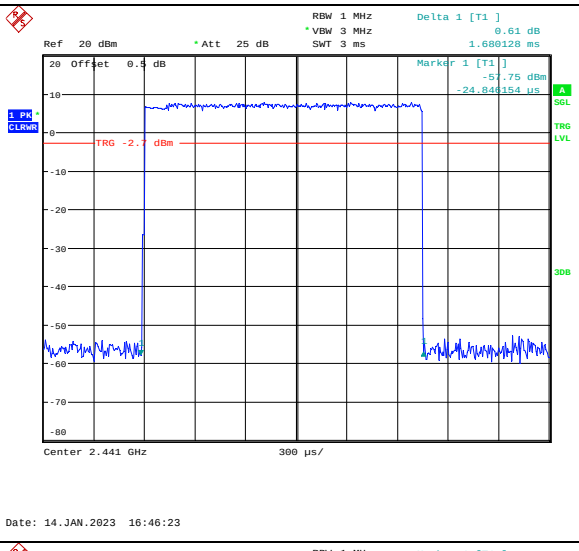
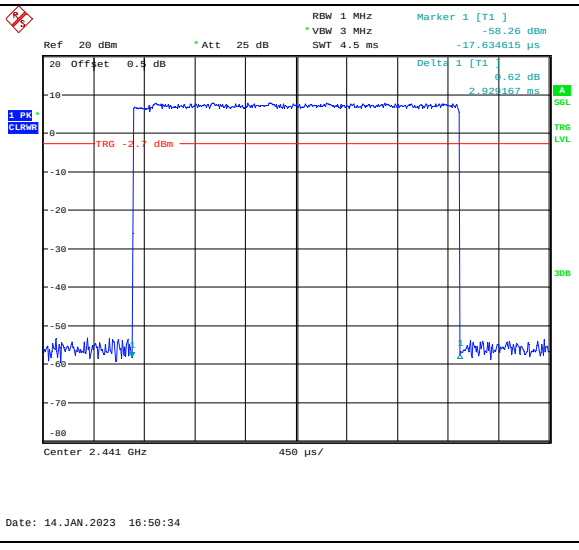
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

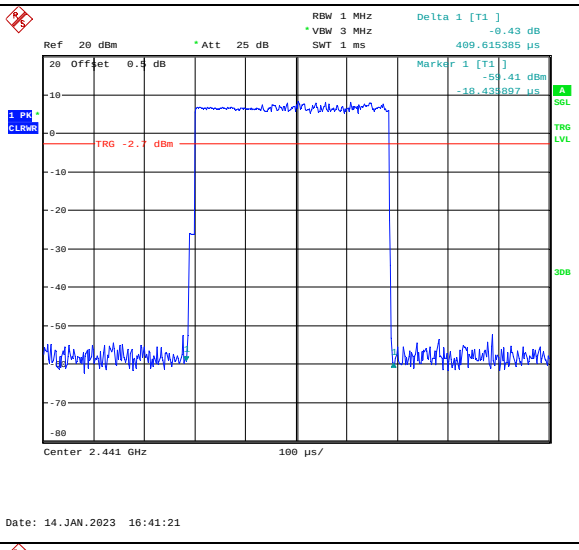
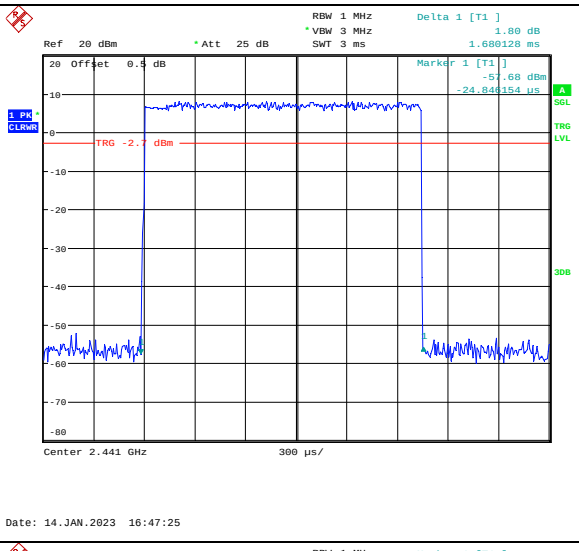
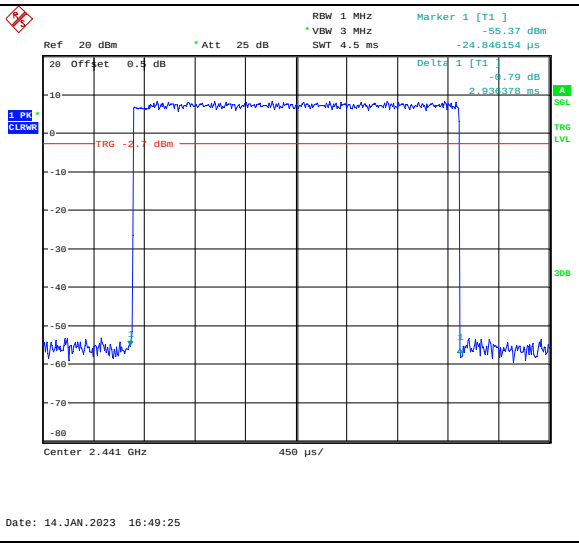
Test Data:

Test Modes	Packet Type	Test Frequency (MHz)	Pulse width (ms)	Result (s)	Limit (s)
BDR Mode (GFSK)	DH1	2441	0.418	0.134	0.400
	DH3	2441	1.695	0.271	0.400
	DH5	2441	2.950	0.315	0.400
EDR Mode (π/4-DQPSK)	2DH1	2441	0.410	0.131	0.400
	2DH3	2441	1.680	0.269	0.400
	2DH5	2441	2.929	0.312	0.400
EDR Mode (8DPSK)	3DH1	2441	0.410	0.131	0.400
	3DH3	2441	1.680	0.269	0.400
	3DH5	2441	2.936	0.313	0.400

Note:
DH1:Dwell time=Pulse time (ms) × (1600/2/79) ×31.6 s
DH3:Dwell time=Pulse time (ms) × (1600/4/79) ×31.6 s
DH5:Dwell time=Pulse time (ms) × (1600/6/79) ×31.6 s

BDR Mode (GFSK)	
DH1:	
DH3:	
DH5:	

EDR Mode (π/4-DQPSK)	
2DH1:	
2DH3:	
2DH5:	

EDR Mode (8DPSK)	
3DH1:	
3DH3:	
3DH5:	

4.7 Peak Conducted Output Power:

Serial Number:	1XBG-2	Test Date:	2023/1/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Claire Liu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	25.6	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.4

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	USB Wideband Power Sensor	U2021XA	MY54080015	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	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).*

Test Data:

Test Modes	Test Frequency (MHz)	Peak Conducted Output Power (dBm)	Limits (dBm)
BDR Mode (GFSK)	2402	6.40	21
	2441	6.77	21
	2480	5.79	21
	2436	7.12	21
EDR Mode (π/4-DQPSK)	2402	8.04	21
	2441	8.15	21
	2480	7.14	21
	2437	8.22	21
EDR Mode (8DPSK)	2402	8.01	21
	2441	8.19	21
	2480	7.65	21
	2436	8.35	21

4.8 100 kHz Bandwidth of Frequency Band Edge:

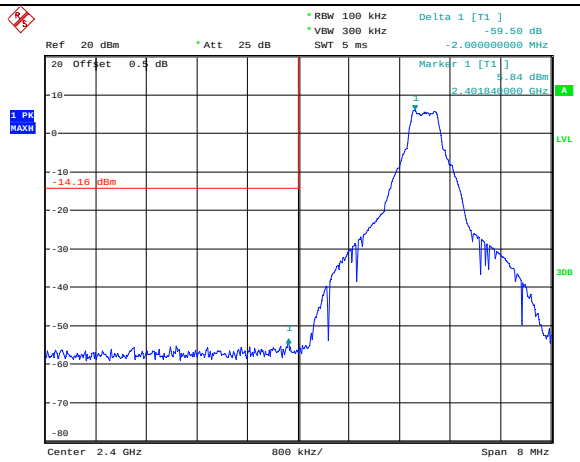
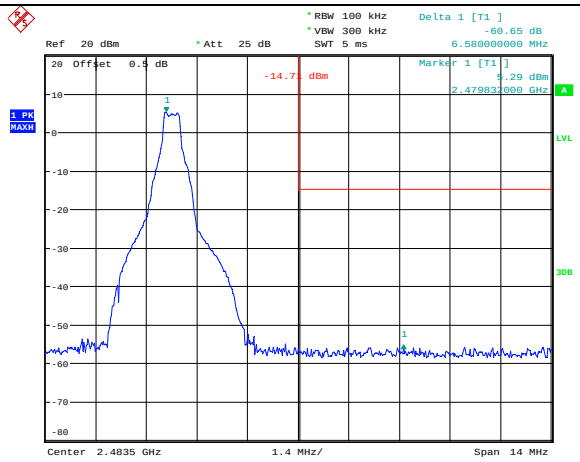
Serial Number:	1XBG-2	Test Date:	2023/1/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Claire Liu	Test Result:	Pass

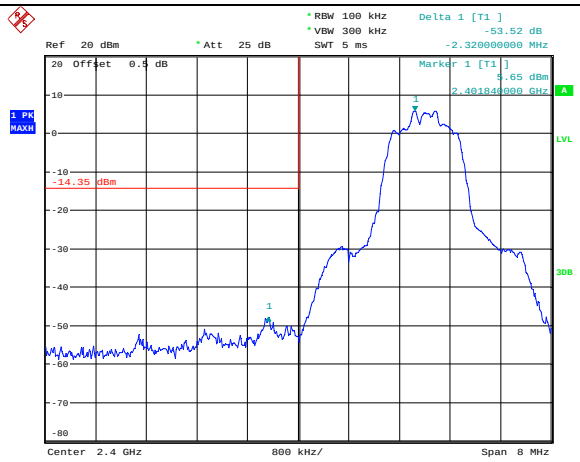
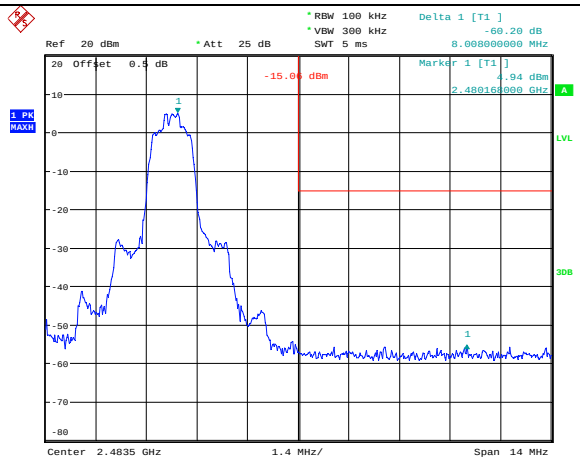
Environmental Conditions:					
Temperature: (℃)	25.6	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.4

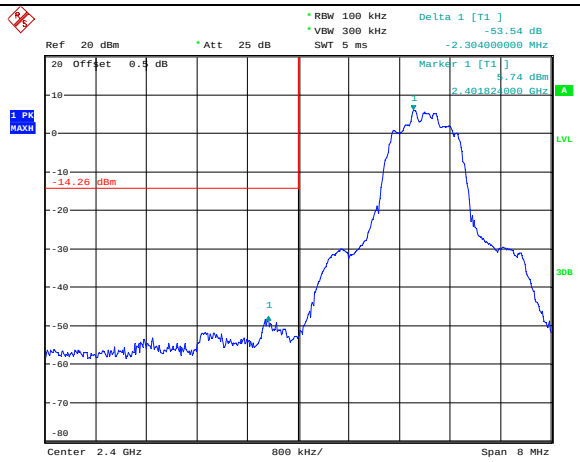
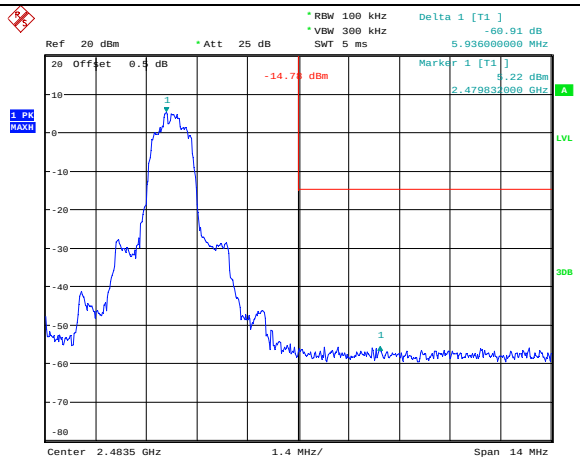
Test Equipment List and Details:

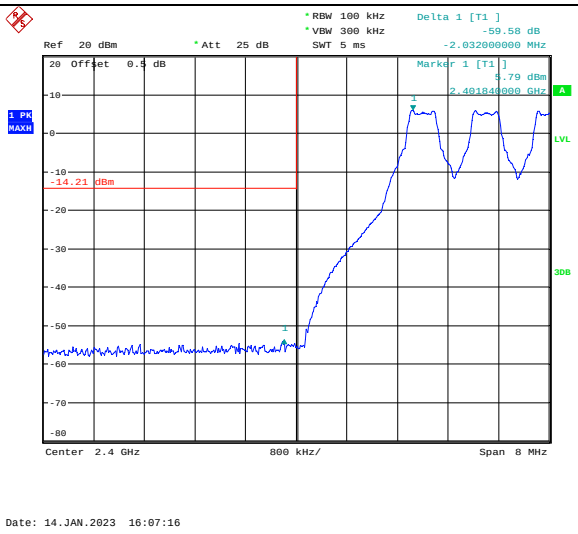
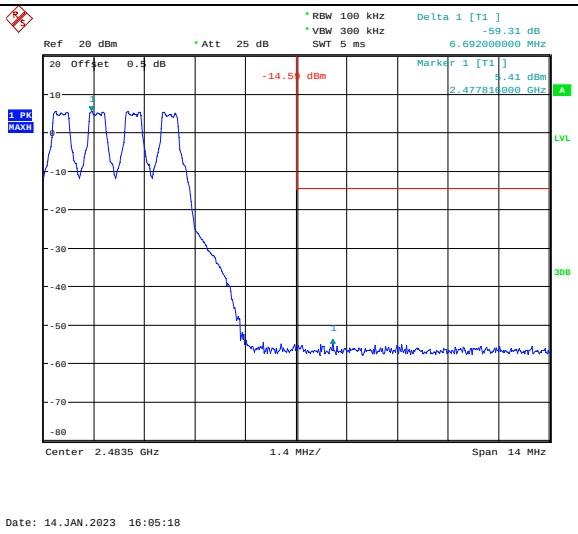
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A

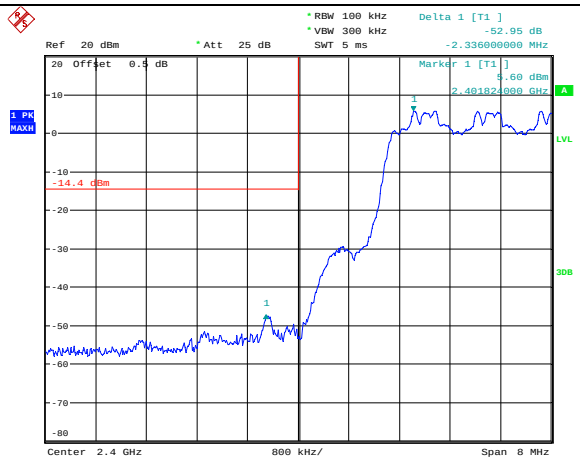
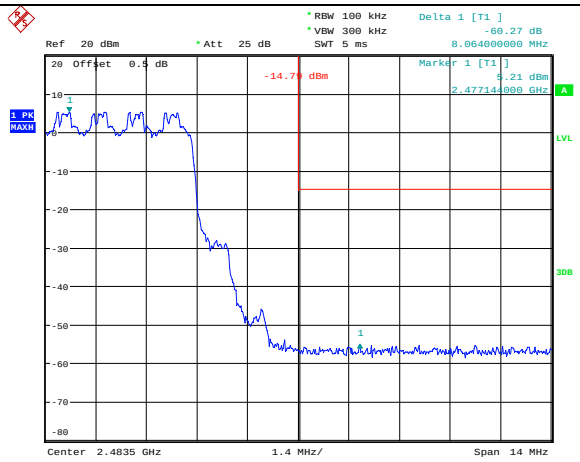
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

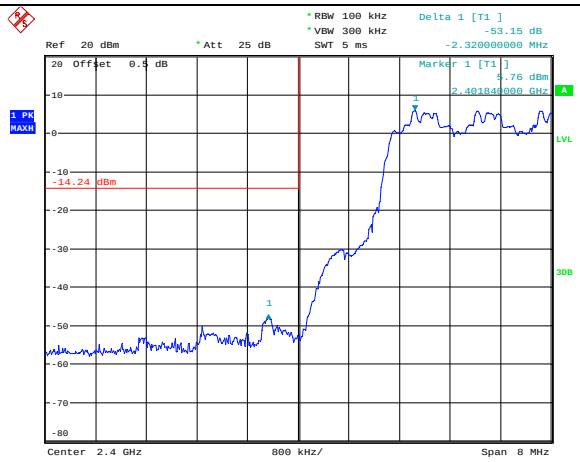
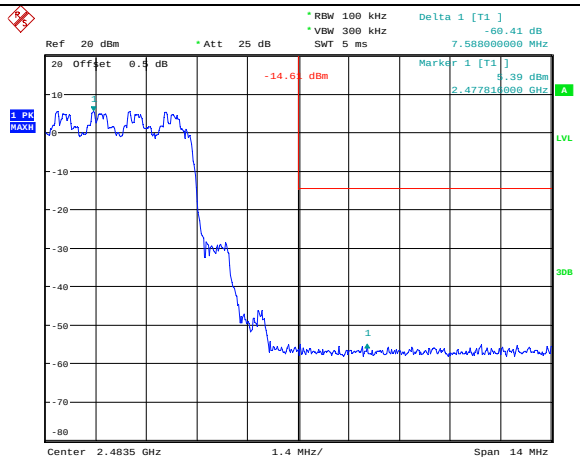
BDR Mode (GFSK)	
Band Edge, Left Side	
Band Edge, Right Side	

EDR Mode (π/4-DQPSK)	
Band Edge, Left Side	
Band Edge, Right Side	

EDR Mode (8DPSK)	
Band Edge, Left Side	
Band Edge, Right Side	

Hopping Mode, BDR Mode (GFSK)	
Band Edge, Left Side	
Band Edge, Right Side	

Hopping Mode, EDR Mode (π/4-DQPSK)	
Band Edge, Left Side	
Band Edge, Right Side	

Hopping Mode, EDR Mode (8DPSK)	
Band Edge, Left Side	
Band Edge, Right Side	

5. RF EXPOSURE EVALUATION

5.1 Applicable Standard

According to§15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

5.2 Measurement Result

For BT:

The max conducted power including tune-up tolerance is 9 dBm (7.9 mW).
[(max. power of channel, mW)/(min. test separation distance, mm)][√f(GHz)]
=7.9 /5*(√2.480) = 2.5< 3.0

Result: Compliance. The stand-alone SAR evaluation is not necessary.

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