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

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **Autel Robotics Co., Ltd.**

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FCC ID: **2AGNTMDX600958S**

Product Name: **EVO Max 4T, EVO Max 4N, EVO Max 4T Pro, EVO Max 4T XE**

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

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

Report Number: **2503P42421E-RF-00D**

Date Of Issue: **2025/2/14**

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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.

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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Each test item follows the test standard(s) without deviation.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2503P42421E-RF-00D	Original Report	2025/2/14

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	EVO Max 4T, EVO Max 4N, EVO Max 4T Pro, EVO Max 4T XE
EUT Model:	MDX
Operation Frequency:	SRD 1.4MHz: 904-926 MHz, 2403.5-2475.5 MHz SRD 10MHz: 909-921 MHz, 2407.5-2471.5 MHz SRD 20MHz: 914-916 MHz, 2412.5-2462.5 MHz
Maximum Average Output Power (Conducted):	SRD-900MHz: 26.61 dBm SRD-2.4GHz: 27.06 dBm
Modulation Type:	QPSK
Rated Input Voltage:	DC 14.88V or DC 14.76V from battery
Serial Number:	2XO4-1 (For RF Conducted Test) 2XO4-2 (For RE Test)
EUT Received Date:	2025/1/22
EUT Received Status:	Good

This device supports multiple configurations, the detailed configuration is as follows:

Battery Information:

No.	Nominal Voltage	Model
Battery 1#	DC 14.88V	MDX 8070 1488
Battery 2#	DC 14.88V	ABX40
Battery 3#	DC 14.76V	ABX41
Note: MDX 8070 1488 and ABX40 are only different model name.		

Gimbal Camera Information:

Product Name	Model
EVO Max 4T	Fusion 4T
EVO Max 4N	Fusion 4N
EVO Max 4T Pro	Fusion 4T Pro
EVO Max 4T XE	Fusion 4T XE
Note: Fusion 4T Pro and Fusion 4T XE are only different model name.	

Operation Frequency Detail:

For SRD-900MHz band 1.4MHz Bandwidth Mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	904	13	916
2	905	14	917
3	906	15	918
…	…	…	…
…	…	22	925
11	914	23	926
12	915	/	/

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

Test Channel	Frequency (MHz)
Lowest	904
Middle	916
Highest	926

For SRD-900MHz band 10MHz Bandwidth Mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	909	8	916
2	910	9	917
3	911	10	918
4	912	11	919
5	913	12	920
6	914	13	921
7	915	/	/
Per section 15.31(m), the below frequencies were performed the test as below:			
Test Channel	**Frequency (MHz)**		
Lowest	909		
Middle	915		
Highest	921		

For SRD-900MHz band 20MHz Bandwidth Mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	914	3	916
2	915	/	/
Per section 15.31(m), the below frequencies were performed the test as below:			
Test Channel	**Frequency (MHz)**		
Lowest	914		
Middle	915		
Highest	916		

For SRD-2.4GHz band 1.4MHz Bandwidth Mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2403.5	38	2440.5
2	2404.5	39	2441.5
3	2405.5	40	2442.5
…	…	…	…
…	…	72	2474.5
36	2438.5	73	2475.5
37	2439.5	/	/
Per section 15.31(m), the below frequencies were performed the test as below:			
Test Channel	**Frequency (MHz)**		
Lowest	2403.5		
Middle	2439.5		
Highest	2475.5		

For SRD-2.4GHz band 10MHz Bandwidth Mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2407.5	34	2440.5
2	2408.5	35	2441.5
3	2409.5	36	2442.5
…	…	…	…
…	…	64	2470.5
32	2438.5	65	2471.5
33	2439.5	/	/

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

Test Channel	Frequency (MHz)
Lowest	2407.5
Middle	2439.5
Highest	2471.5

For SRD-2.4GHz band 20MHz Bandwidth Mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412.5	27	2438.5
2	2413.5	28	2439.5
3	2414.5	29	2440.5
…	…	…	…
…	…	50	2461.5
25	2436.5	51	2462.5
26	2437.5	/	/

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

Test Channel	Frequency (MHz)
Lowest	2412.5
Middle	2437.5
Highest	2462.5

Antenna Information Detail▲:

Antenna Chain	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain (dBi)
ANT 1 (Chain 0)	PCB	50	902-928 MHz	0.3
			2400-2500 MHz	1.7
ANT 3 (Chain 1)	PCB	50	902-928 MHz	-0.8
			2400-2500 MHz	1.9

The Method of §15.203 Compliance:

☒Antenna was permanently attached to the unit.

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

☐Unit was 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	Shenzhen Esun Power Technology Co.,Ltd	MDX120W

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. Per 2.4G Wi-Fi report test, radiated emissions test with Gimbal Camera (Fusion 4T XE) &Battery 2# was the worst.
Equipment Modifications:	No
EUT Exercise Software:	RRTL6.0.0_VCOM

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

Test Modes		Data rate	Power Level Setting					
			Lowest Channel		Middle Channel		Highest Channel	
			Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1
900MHz Band QPSK	1.4MHz	120kbps	85	85	85	85	85	85
	10MHz	19Mbps	59	59	59	59	59	59
	20MHz	38Mbps	45	45	45	45	45	45
2.4GHz Band QPSK	1.4MHz	120kbps	40	40	40	40	40	40
	10MHz	19Mbps	56	56	56	56	56	56
	20MHz	38Mbps	58	58	55	55	55	55

Note: The device only supports MIMO mode 2Tx4Rx.

1.2.2 Support Equipment List and Details

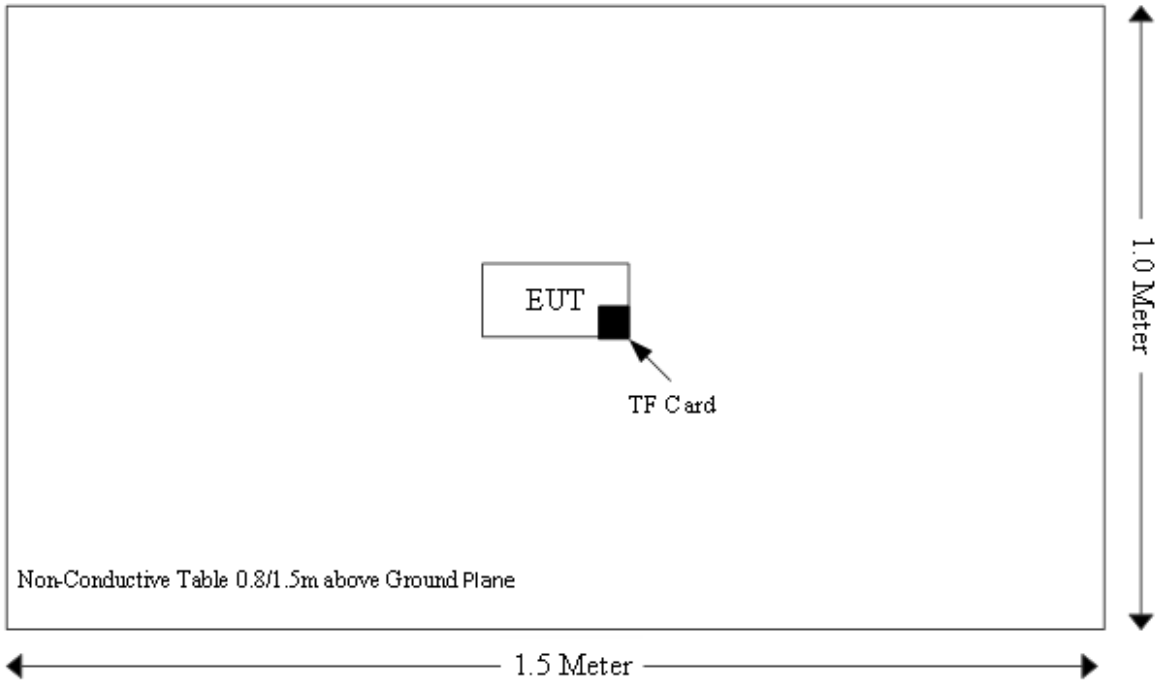
Manufacturer	Description	Model	Serial Number
SanDisk	TF Card	32 GB	521005904013

1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
/	/	/	/	/	/

1.2.4 Block Diagram of Test Setup

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	9kHz~30MHz: 4.12dB, 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	Not Applicable
FCC §15.205, §15.209, §15.247(d)	Radiated Spurious Emissions	Compliant
FCC §15.247(a)(2)	6 dB Emission Bandwidth	Compliant
FCC §15.247(b)(3)	Maximum Conducted Output Power	Compliant
FCC §15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant
FCC §15.247(e)	Power Spectral Density	Compliant
FCC §15.203	Antenna Requirement	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:

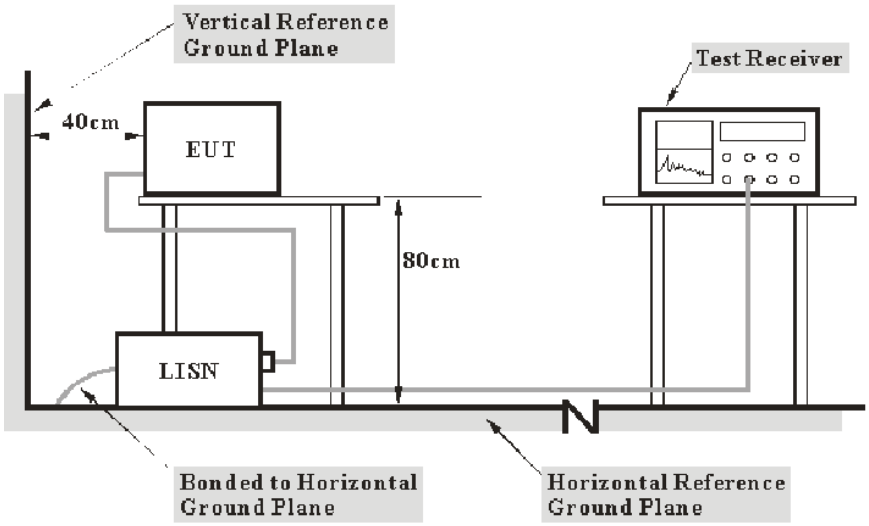
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(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.

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 Radiated Spurious Emissions

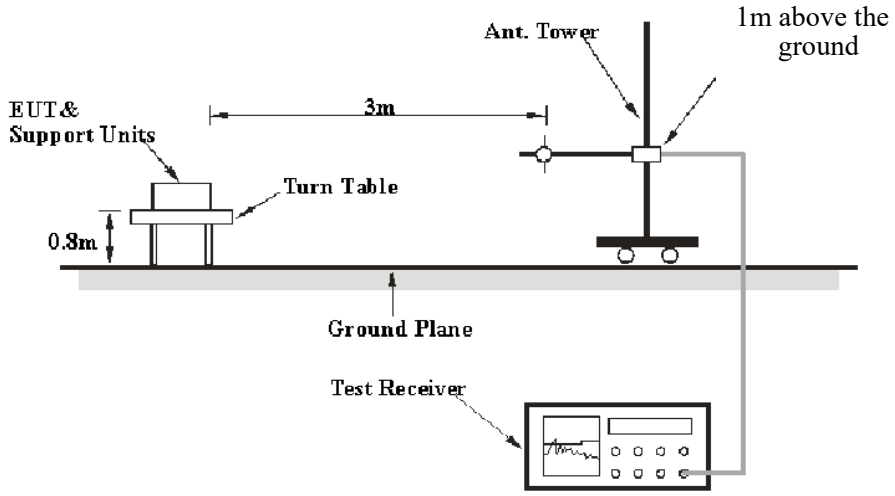
3.2.1 Applicable Standard

FCC §15.247 (d);

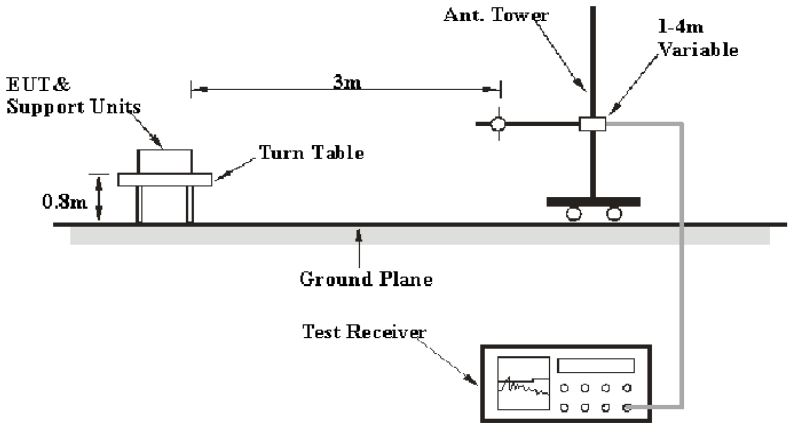
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the 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

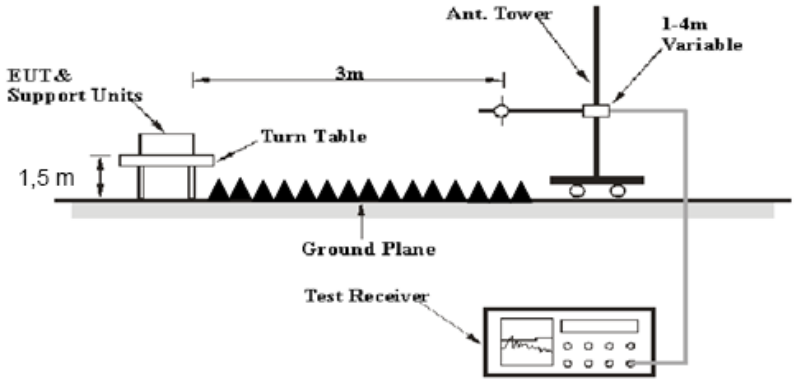
9kHz~30MHz:



30MHz~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.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

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	Detector	Measurement
9 kHz – 150 kHz	300 Hz	1 kHz	/	Peak	PK
	/	/	200 Hz	Quasi Peak/ Average	QP/AV
150 kHz – 30 MHz	10 kHz	30 kHz	/	Peak	PK
	/	/	9 kHz	Quasi Peak/ Average	QP/AV
30MHz – 1000 MHz	120 kHz	300 kHz	/	Peak	PK
	/	/	120kHz	Quasi Peak	QP

Above 1GHz:
Pre-scan:

Measurement	Duty cycle	RBW	Video B/W	Detector
PK	Any	1MHz	3 MHz	Peak
Ave.	>98%	1MHz	5 kHz	Peak
	<98%	1MHz	5 kHz	Peak

Note: T is minimum transmission duration

Final measurement for emission identified during the pre-scan:

Measurement	Duty cycle	RBW	Video B/W	Detector
PK	Any	1MHz	3 MHz	Peak
Ave.	>98%	1MHz	10 Hz	Peak
	<98%	1MHz	≥1/T	Peak

Note: T is minimum transmission duration

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 9 kHz-1 GHz except 9–90 kHz, 110–490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

All emissions under the average limit and under the noise floor have not recorded in the report.

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

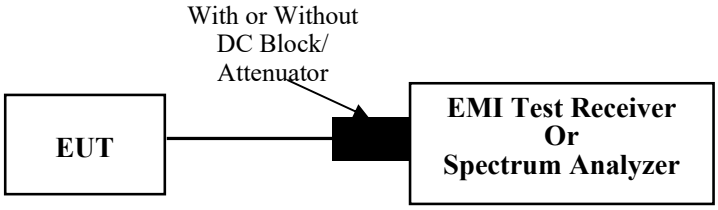
3.3 6 dB Emission Bandwidth:

3.3.1 Applicable Standard

FCC §15.247 (a)(2)

Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

3.3.2 EUT Setup



3.3.3 Test Procedure

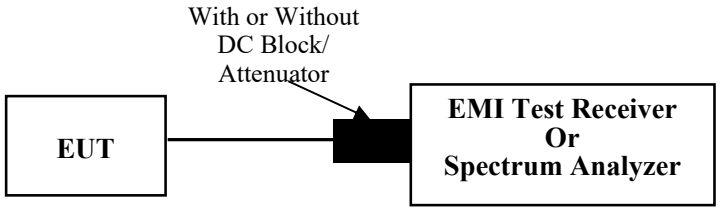
According to ANSI C63.10-2013 Section 11.8

a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3×RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.4 99% Occupied Bandwidth:

3.4.1 Applicable Standard

3.4.2 EUT Setup



3.4.3 Test Procedure

According to ANSI C63.10-2013 Section 6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.
The following procedure shall be used for measuring 99% power bandwidth:
a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
d) Step a) through step c) might require iteration to adjust within the specified range.
e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

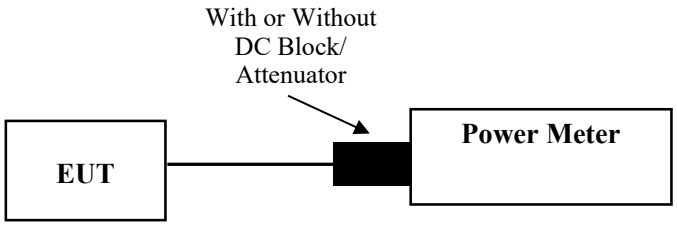
3.5 Maximum Conducted Output Power:

3.5.1 Applicable Standard

FCC §15.247 (b)(3)

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

3.5.2 EUT Setup



3.5.3 Test Procedure

According to ANSI C63.10-2013 Section 11.9.2.3.2

Method AVGPM-G is a measurement using a gated RF average power meter.

Alternatively, measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

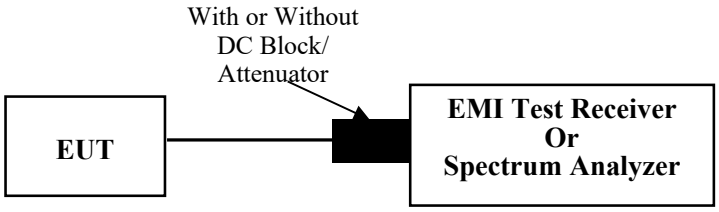
3.6 Maximum power spectral density:

3.6.1 Applicable Standard

FCC §15.247 (e)

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

3.6.2 EUT Setup



3.6.3 Test Procedure

Duty cycle ≥98%

According to ANSI C63.10-2013 Section 11.10.3

Duty cycle <98%, duty cycle variations are less than ±2%

According to ANSI C63.10-2013 Section 11.10.5

Duty cycle <98%, duty cycle variations exceed ±2%

According to ANSI C63.10-2013 Section 11.10.7

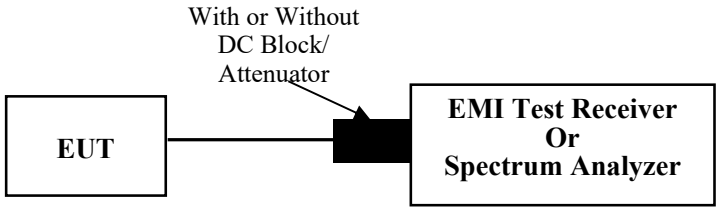
3.7 100 kHz Bandwidth of Frequency Band Edge:

3.7.1 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)).

3.7.2 EUT Setup



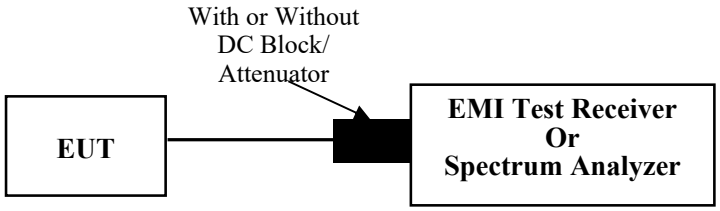
3.7.3 Test Procedure

According to ANSI C63.10-2013 Section 11.11

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.

3.8 Duty Cycle:

3.8.1 EUT Setup



3.8.2 Test Procedure

According to ANSI C63.10-2013 Section 11.6

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:
1) Set the center frequency of the instrument to the center frequency of the transmission.
2) Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.
3) Set VBW ≥ RBW. Set detector = peak or average.
4) The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if T ≤ 16.7 μs.)

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

Not Applicable, the device was powered by battery when operating.

4.2 Radiation Spurious Emissions

4.2.1 9kHz – 1GHz

Sample Number:	2XO4-2	Test Date:	2025/2/7
Test Site:	966-2	Test Mode:	Transmitting
Tester:	Roinin Fu	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.9	Relative Humidity: (%)	55	ATM Pressure: (kPa)	102.1

Test Equipment List and Details:

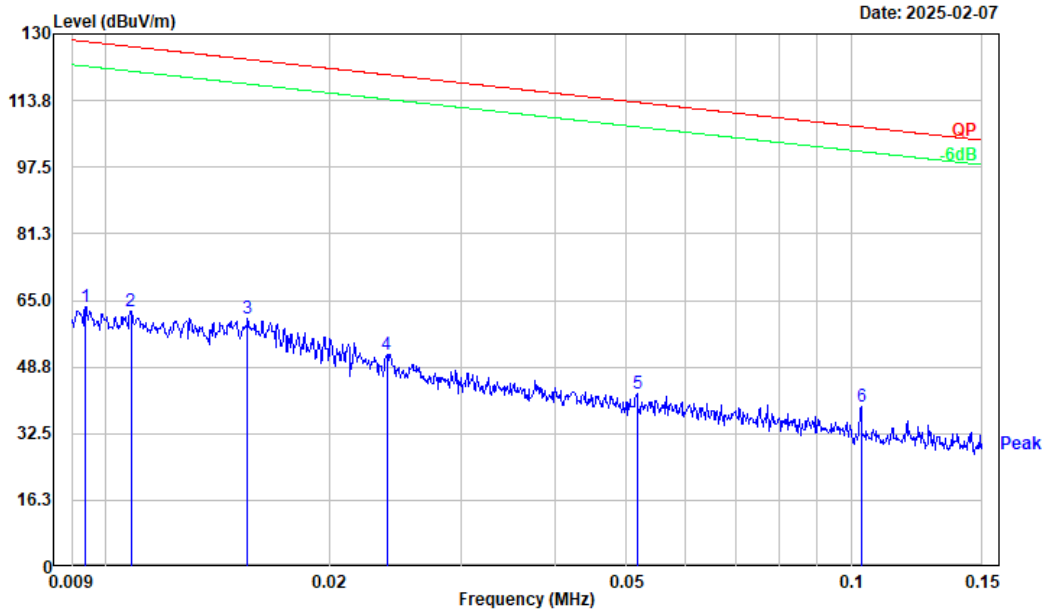
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2023/12/1	2026/11/30
BACL	Loop Antenna	1313-1A	3110611	2023/12/4	2026/12/3
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2025/1/10	2026/1/9
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2025/1/10	2026/1/9
R&S	EMI Test Receiver	ESR3	102724	2024/2/29	2025/2/28
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2024/12/3	2025/12/2
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2024/12/3	2025/12/2
XQY	Coaxial Cable	XQY-CMR400UF-NJ-NJ-7M	24056379	2024/6/11	2025/6/10
Sonoma	Amplifier	310N	186165	2024/12/3	2025/12/2
Audix	Test Software	E3	191218 (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).*

Test Data:

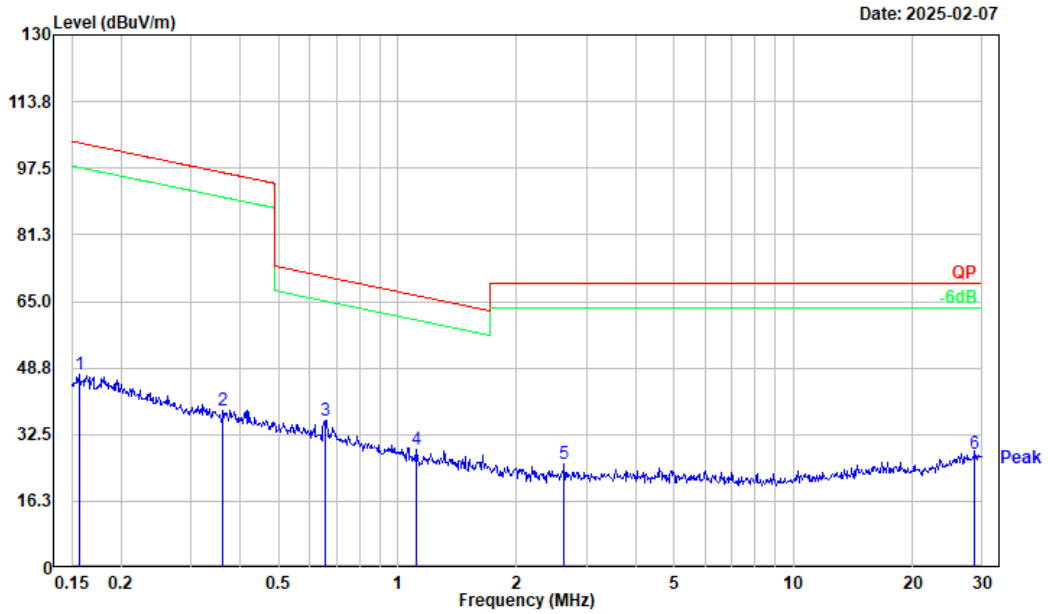
900M SRD:
Maximum output power mode, 20MHz high channel

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting



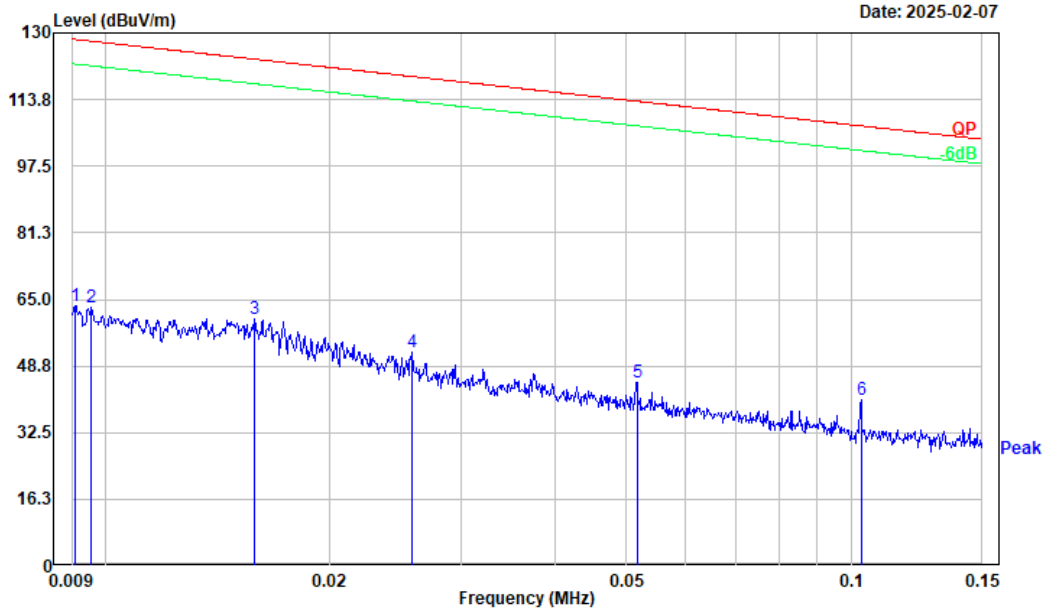
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.009	28.13	35.23	63.36	128.15	64.79	Peak
2	0.011	28.42	34.05	62.47	126.93	64.46	Peak
3	0.015	28.87	31.75	60.62	123.80	63.18	Peak
4	0.024	24.25	27.67	51.92	120.06	68.14	Peak
5	0.052	22.11	20.22	42.33	113.34	71.01	Peak
6	0.103	24.44	14.50	38.94	107.33	68.39	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting



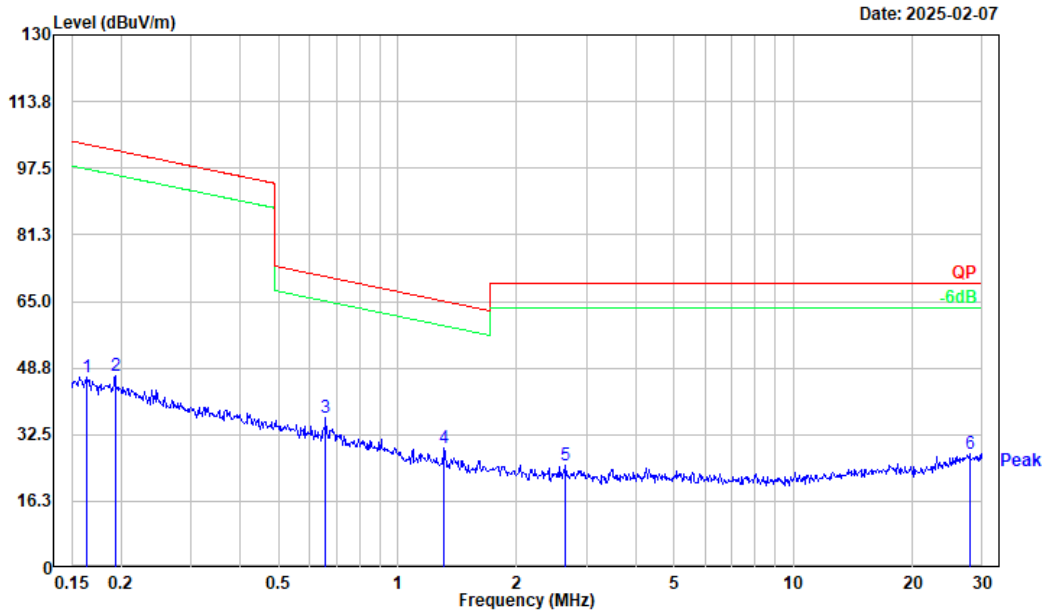
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.156	35.17	12.02	47.19	103.71	56.52	Peak
2	0.361	34.46	4.02	38.48	96.44	57.96	Peak
3	0.654	36.70	-0.81	35.89	71.24	35.35	Peak
4	1.111	33.61	-4.59	29.02	66.54	37.52	Peak
5	2.636	33.45	-8.09	25.36	69.54	44.18	Peak
6	28.603	35.09	-7.29	27.80	69.54	41.74	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting



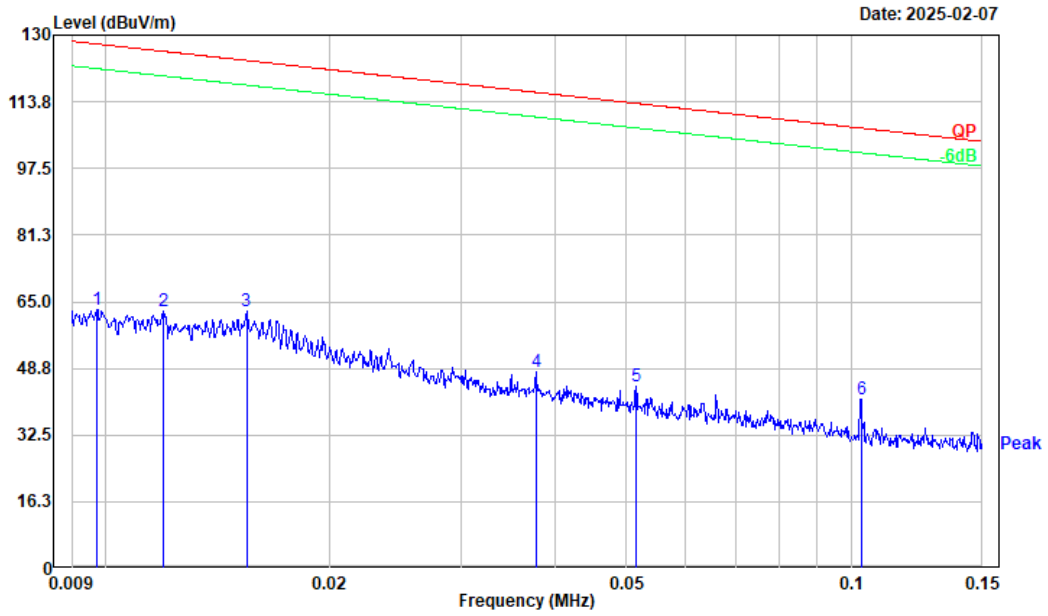
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.009	27.81	35.60	63.41	128.42	65.01	Peak
2	0.010	28.17	34.99	63.16	127.98	64.82	Peak
3	0.016	28.50	31.58	60.08	123.61	63.53	Peak
4	0.026	25.60	26.71	52.31	119.38	67.07	Peak
5	0.052	24.59	20.22	44.81	113.34	68.53	Peak
6	0.103	25.98	14.50	40.48	107.33	66.85	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting



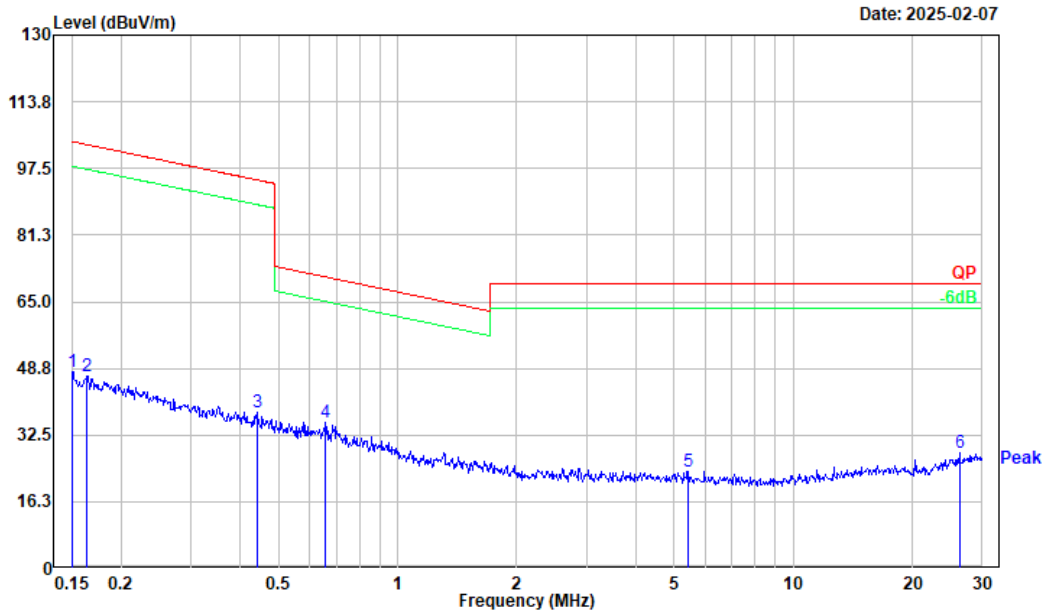
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.163	34.84	11.71	46.55	103.35	56.80	Peak
2	0.193	36.44	10.31	46.75	101.87	55.12	Peak
3	0.658	37.49	-0.85	36.64	71.19	34.55	Peak
4	1.310	34.44	-5.30	29.14	65.08	35.94	Peak
5	2.650	32.94	-8.10	24.84	69.54	44.70	Peak
6	27.855	35.29	-7.40	27.89	69.54	41.65	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Ground-parallel
Note: Transmitting



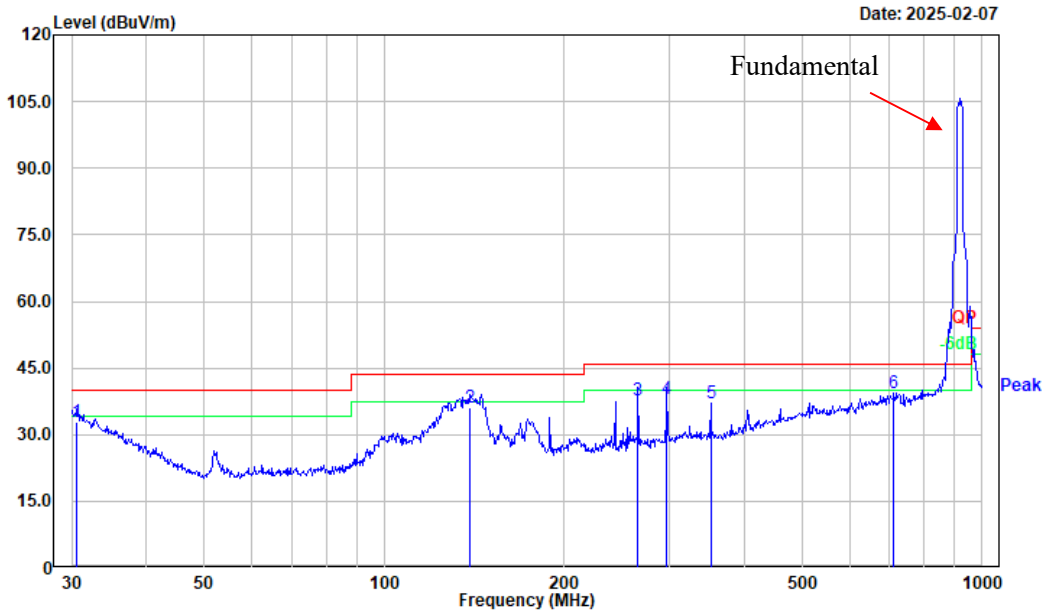
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.010	28.13	34.82	62.95	127.86	64.91	Peak
2	0.012	29.22	33.50	62.72	126.08	63.36	Peak
3	0.015	31.00	31.77	62.77	123.83	61.06	Peak
4	0.038	24.90	23.00	47.90	116.06	68.16	Peak
5	0.051	23.98	20.24	44.22	113.37	69.15	Peak
6	0.103	26.62	14.50	41.12	107.33	66.21	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Ground-parallel
Note: Transmitting



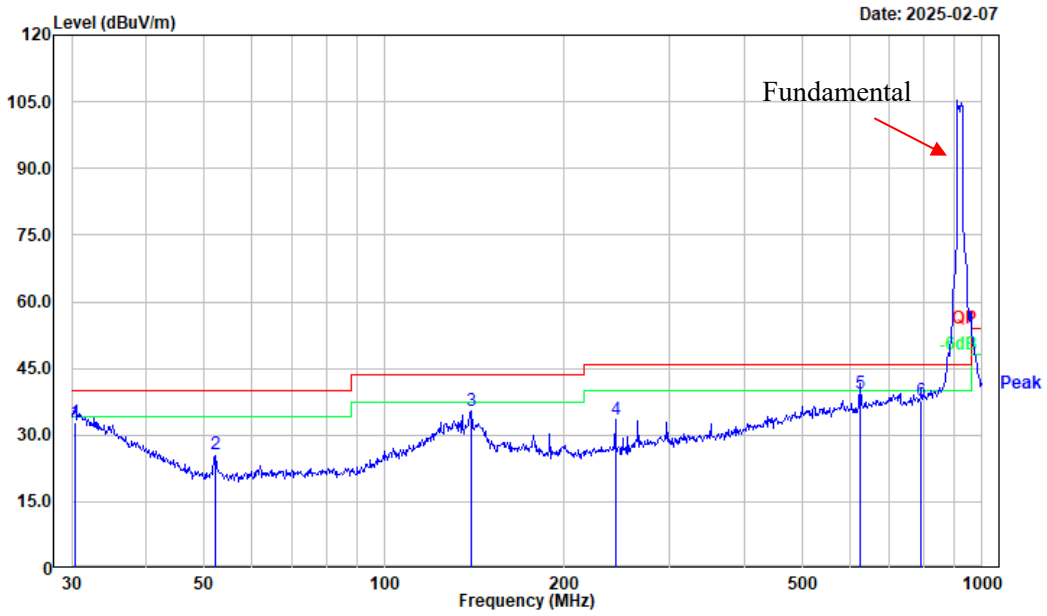
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.151	35.65	12.29	47.94	104.04	56.10	Peak
2	0.164	35.19	11.67	46.86	103.30	56.44	Peak
3	0.442	35.79	2.24	38.03	94.69	56.66	Peak
4	0.658	36.27	-0.85	35.42	71.19	35.77	Peak
5	5.419	32.62	-8.89	23.73	69.54	45.81	Peak
6	26.278	35.78	-7.50	28.28	69.54	41.26	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: horizontal
Note: Transmitting



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.638	5.25	27.52	32.77	40.00	7.23	QP
2	139.361	16.49	19.72	36.21	43.50	7.29	QP
3	265.676	17.45	20.40	37.85	46.00	8.15	QP
4	297.224	17.14	20.96	38.10	46.00	7.90	QP
5	351.708	15.35	21.81	37.16	46.00	8.84	Peak
6	711.674	10.79	28.57	39.36	46.00	6.64	Peak

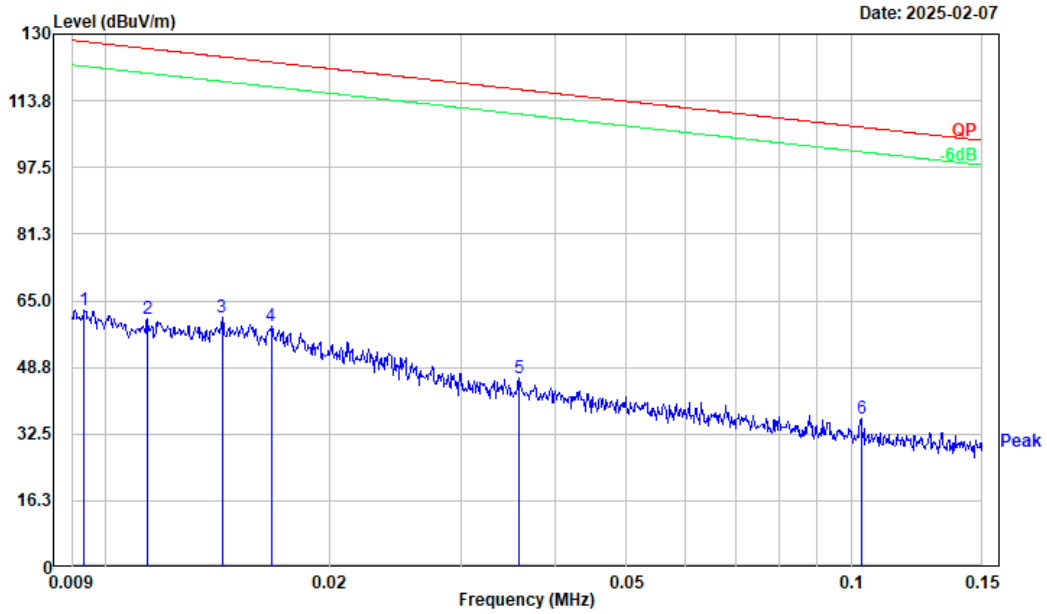
Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: vertical
Note: Transmitting



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.424	5.12	27.65	32.77	40.00	7.23	QP
2	52.208	11.37	14.16	25.53	40.00	14.47	Peak
3	139.851	15.76	19.66	35.42	43.50	8.08	Peak
4	243.377	14.78	18.64	33.42	46.00	12.58	Peak
5	625.078	12.32	26.89	39.21	46.00	6.79	QP
6	790.619	8.25	29.62	37.87	46.00	8.13	QP

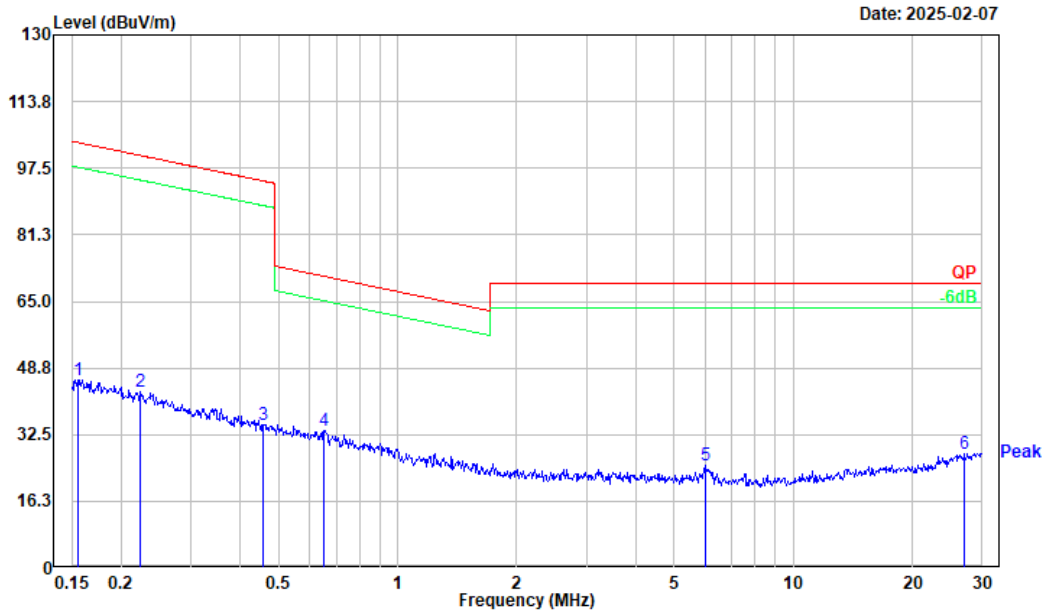
2.4G SRD:
Maximum output power mode, 1.4MHz low channel

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting



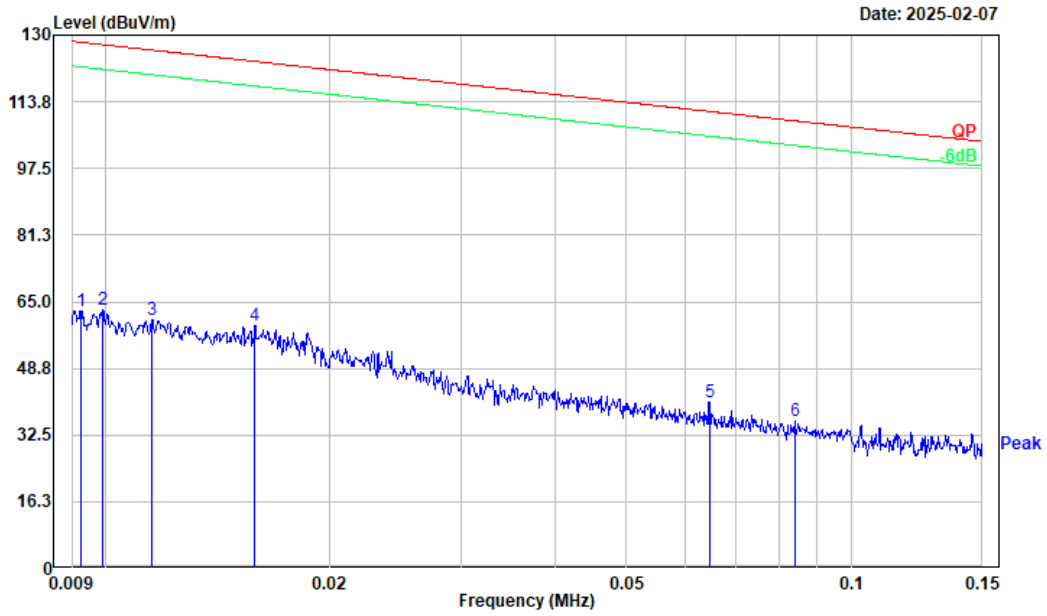
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.009	27.39	35.26	62.65	128.18	65.53	Peak
2	0.011	26.66	33.77	60.43	126.49	66.06	Peak
3	0.014	28.66	32.32	60.98	124.49	63.51	Peak
4	0.017	27.84	31.17	59.01	123.17	64.16	Peak
5	0.036	22.81	23.40	46.21	116.50	70.29	Peak
6	0.103	21.95	14.50	36.45	107.33	70.88	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting



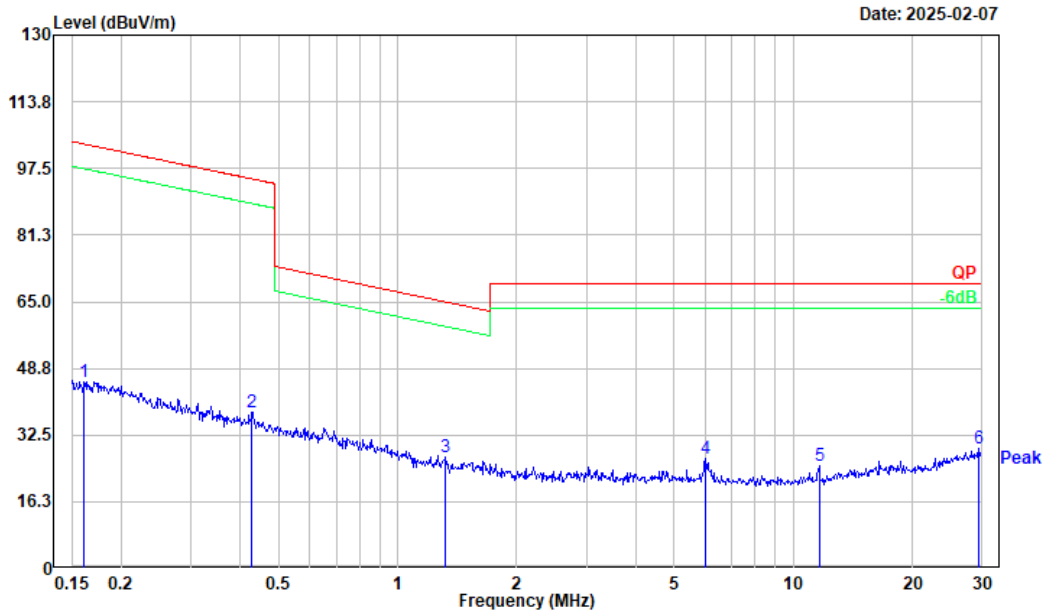
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.156	33.90	12.06	45.96	103.76	57.80	Peak
2	0.224	33.99	8.87	42.86	100.58	57.72	Peak
3	0.456	33.01	1.93	34.94	94.42	59.48	Peak
4	0.651	34.30	-0.77	33.53	71.28	37.75	Peak
5	5.993	33.91	-8.90	25.01	69.54	44.53	Peak
6	27.127	35.29	-7.44	27.85	69.54	41.69	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting



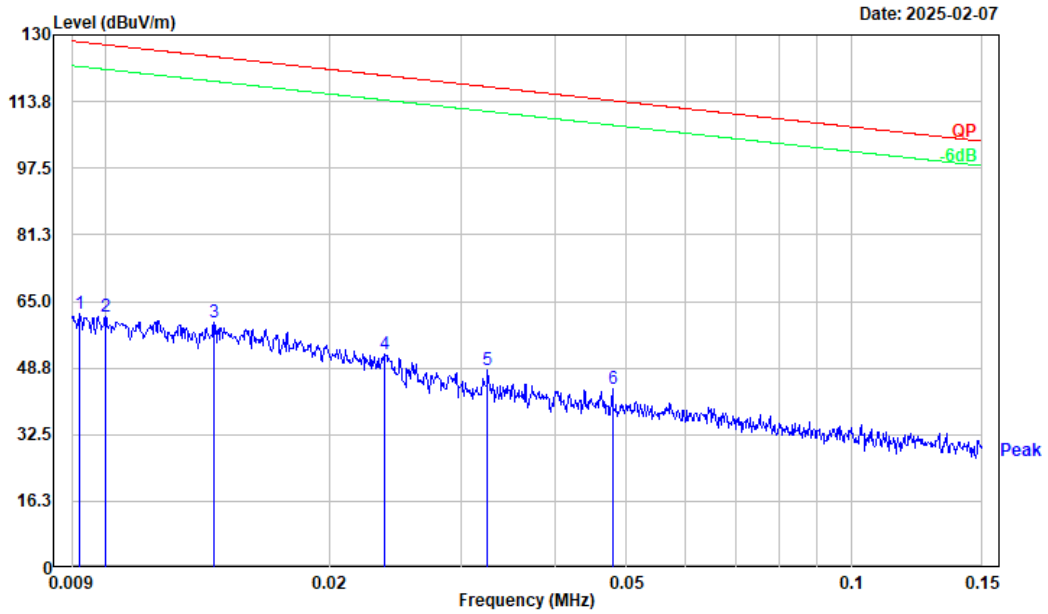
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.009	27.41	35.40	62.81	128.28	65.47	Peak
2	0.010	28.32	34.57	62.89	127.69	64.80	Peak
3	0.012	26.75	33.69	60.44	126.37	65.93	Peak
4	0.016	27.62	31.58	59.20	123.61	64.41	Peak
5	0.065	22.11	18.43	40.54	111.39	70.85	Peak
6	0.084	19.79	16.01	35.80	109.12	73.32	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting



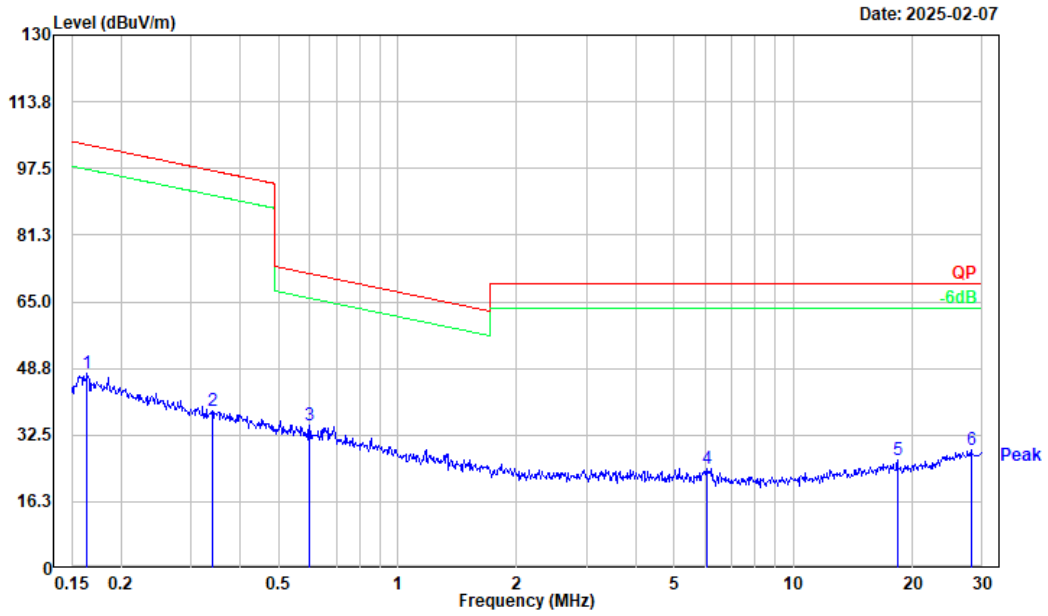
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.162	33.74	11.79	45.53	103.44	57.91	Peak
2	0.428	35.64	2.55	38.19	94.97	56.78	Peak
3	1.324	32.45	-5.35	27.10	64.98	37.88	Peak
4	5.993	35.65	-8.90	26.75	69.54	42.79	Peak
5	11.621	33.04	-7.95	25.09	69.54	44.45	Peak
6	29.371	36.54	-7.17	29.37	69.54	40.17	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Ground-parallel
Note: Transmitting



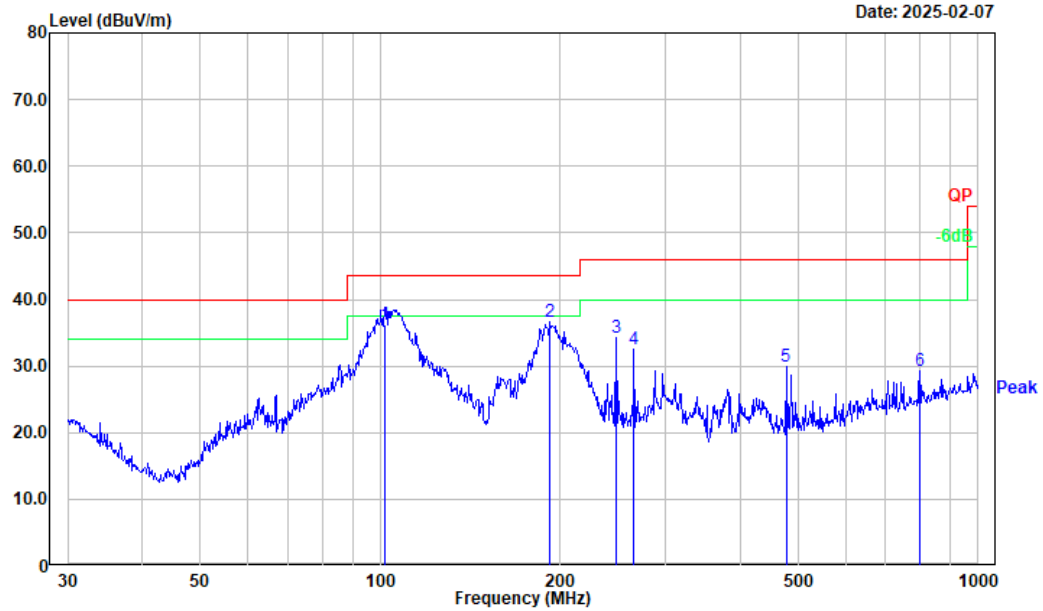
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.009	26.58	35.43	62.01	128.30	66.29	Peak
2	0.010	26.70	34.46	61.16	127.62	66.46	Peak
3	0.014	27.28	32.48	59.76	124.68	64.92	Peak
4	0.024	24.52	27.76	52.28	120.14	67.86	Peak
5	0.033	24.24	24.10	48.34	117.35	69.01	Peak
6	0.048	22.70	20.89	43.59	114.00	70.41	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Ground-parallel
Note: Transmitting



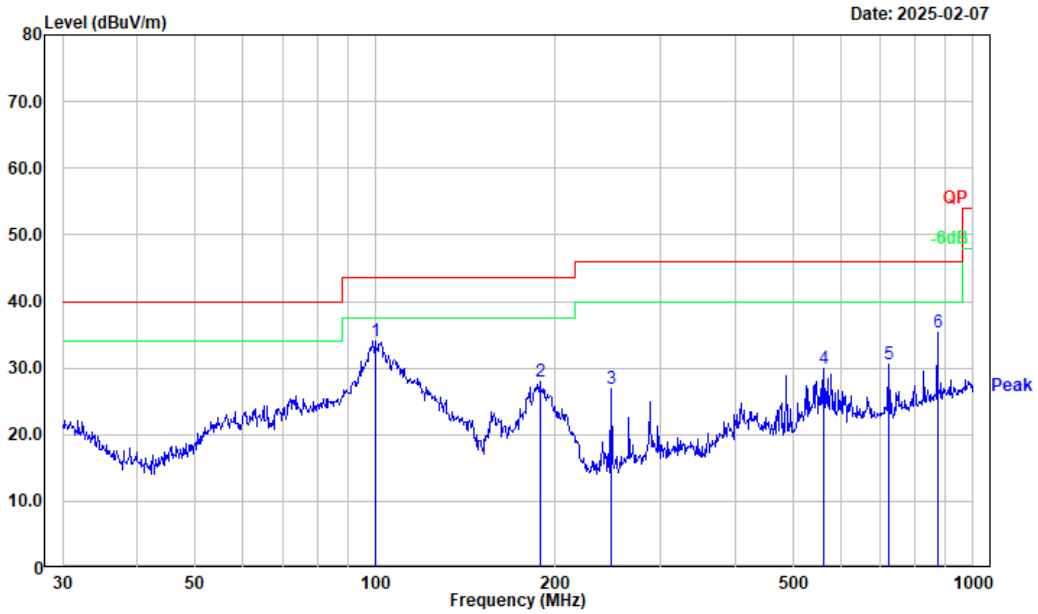
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	0.164	35.80	11.67	47.47	103.30	55.83	Peak
2	0.339	33.98	4.51	38.49	97.00	58.51	Peak
3	0.598	34.92	-0.16	34.76	72.03	37.27	Peak
4	6.056	33.15	-8.89	24.26	69.54	45.28	Peak
5	18.328	34.22	-7.74	26.48	69.54	43.06	Peak
6	28.152	36.43	-7.37	29.06	69.54	40.48	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: horizontal
Note: Transmitting



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	102.001	50.19	-13.89	36.30	43.50	7.20	QP
2	192.419	50.12	-13.49	36.63	43.50	6.87	Peak
3	248.552	47.18	-12.93	34.25	46.00	11.75	Peak
4	265.676	43.71	-11.10	32.61	46.00	13.39	Peak
5	477.169	36.09	-6.27	29.82	46.00	16.18	Peak
6	798.980	30.77	-1.47	29.30	46.00	16.70	Peak

Project No.: 2503P42421E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: vertical
Note: Transmitting



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	99.878	48.65	-14.58	34.07	43.50	9.43	Peak
2	188.413	41.87	-13.80	28.07	43.50	15.43	Peak
3	247.682	39.77	-12.92	26.85	46.00	19.15	Peak
4	562.662	35.18	-5.28	29.90	46.00	16.10	Peak
5	724.261	33.32	-2.83	30.49	46.00	15.51	Peak
6	872.183	36.03	-0.72	35.31	46.00	10.69	Peak

4.2.2 Above 1 GHz

Sample Number	2XO4-2	Test Date:	2025/1/23~2025/1/24
Test Site:	966-1	Test Mode:	Transmitting
Tester:	Mack Huang, Coco Tian	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	22.3~22.6	Relative Humidity: (%)	35~36	ATM Pressure: (kPa)	101.1~101.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	9912-5985	2023/12/06	2026/12/05
R&S	Spectrum Analyzer	FSV40	101591	2024/04/01	2025/03/31
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2025/01/10	2026/01/09
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2025/01/10	2026/01/09
BACL	Preamplifier	1313-A20M18G	4032311	2024/04/01	2025/03/31
Audix	Test Software	E3	191218 (V9)	N/A	N/A
PASTERNACK	Horn Antenna	PE9852/2F-20	112002	2024/02/04	2027/02/03
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2025/01/06	2026/01/05
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2025/01/06	2026/01/05
JD	Multiplex Switch Test Control Set	DT7220SCU	DQ77925	2024/08/05	2025/08/04
JD	Filter Switch Unit	DT7220FSU	DQ77928	2024/08/05	2025/08/04

**** 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).*

900M SRD(1-10GHz)
1.4MHz QPSK:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 904 MHz							
1808.000	56.87	PK	H	1.50	58.37	74.00	15.63
1808.000	46.33	AV	H	1.50	47.83	54.00	6.17
1808.000	50.69	PK	V	1.50	52.19	74.00	21.81
1808.000	40.89	AV	V	1.50	42.39	54.00	11.61
2712.000	52.96	PK	H	4.12	57.08	74.00	16.92
2712.000	42.41	AV	H	4.12	46.53	54.00	7.47
2712.000	50.89	PK	V	4.12	55.01	74.00	18.99
2712.000	40.39	AV	V	4.12	44.51	54.00	9.49
3616.000	34.41	PK	H	7.08	41.49	74.00	32.51
3616.000	22.07	AV	H	7.08	29.15	54.00	24.85
3616.000	33.69	PK	V	7.08	40.77	74.00	33.23
3616.000	21.78	AV	V	7.08	28.86	54.00	25.14
Middle Channel: 916 MHz							
1832.000	60.58	PK	H	1.74	62.32	74.00	11.68
1832.000	50.13	AV	H	1.74	51.87	54.00	2.13
1832.000	51.29	PK	V	1.74	53.03	74.00	20.97
1832.000	41.78	AV	V	1.74	43.52	54.00	10.48
2748.000	55.09	PK	H	4.11	59.20	74.00	14.80
2748.000	45.23	AV	H	4.11	49.34	54.00	4.66
2748.000	54.98	PK	V	4.11	59.09	74.00	14.91
2748.000	44.12	AV	V	4.11	48.23	54.00	5.77
3664.000	35.45	PK	H	7.09	42.54	74.00	31.46
3664.000	23.30	AV	H	7.09	30.39	54.00	23.61
3664.000	34.23	PK	V	7.09	41.32	74.00	32.68
3664.000	22.01	AV	V	7.09	29.10	54.00	24.90

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
High Channel: 926 MHz							
1852.000	60.45	PK	H	1.94	62.39	74.00	11.61
1852.000	50.01	AV	H	1.94	51.95	54.00	2.05
1852.000	58.51	PK	V	1.94	60.45	74.00	13.55
1852.000	48.69	AV	V	1.94	50.63	54.00	3.37
2778.000	58.22	PK	H	4.15	62.37	74.00	11.63
2778.000	47.74	AV	H	4.15	51.89	54.00	2.11
2778.000	56.51	PK	V	4.15	60.66	74.00	13.34
2778.000	45.22	AV	V	4.15	49.37	54.00	4.63
3704.000	39.18	PK	H	7.27	46.45	74.00	27.55
3704.000	29.32	AV	H	7.27	36.59	54.00	17.41
3704.000	34.12	PK	V	7.27	41.39	74.00	32.61
3704.000	22.03	AV	V	7.27	29.30	54.00	24.70

10MHz QPSK:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 909 MHz							
1818.000	61.40	PK	H	1.61	63.01	74.00	10.99
1818.000	49.53	AV	H	1.61	51.14	54.00	2.86
1818.000	57.73	PK	V	1.61	59.34	74.00	14.66
1818.000	45.91	AV	V	1.61	47.52	54.00	6.48
2727.000	52.39	PK	H	4.11	56.50	74.00	17.50
2727.000	39.07	AV	H	4.11	43.18	54.00	10.82
2727.000	51.81	PK	V	4.11	55.92	74.00	18.08
2727.000	39.17	AV	V	4.11	43.28	54.00	10.72
Middle Channel: 915 MHz							
1830.000	60.92	PK	H	1.72	62.64	74.00	11.36
1830.000	48.12	AV	H	1.72	49.84	54.00	4.16
1830.000	57.90	PK	V	1.72	59.62	74.00	14.38
1830.000	46.44	AV	V	1.72	48.16	54.00	5.84
2745.000	52.26	PK	H	4.11	56.37	74.00	17.63
2745.000	38.37	AV	H	4.11	42.48	54.00	11.52
2745.000	52.56	PK	V	4.11	56.67	74.00	17.33
2745.000	38.82	AV	V	4.11	42.93	54.00	11.07
High Channel: 921 MHz							
1842.000	63.36	PK	H	1.85	65.21	74.00	8.79
1842.000	50.12	AV	H	1.85	51.97	54.00	2.03
1842.000	63.22	PK	V	1.85	65.07	74.00	8.93
1842.000	49.86	AV	V	1.85	51.71	54.00	2.29
2763.000	52.48	PK	H	4.12	56.60	74.00	17.40
2763.000	39.15	AV	H	4.12	43.27	54.00	10.73
2763.000	55.26	PK	V	4.12	59.38	74.00	14.62
2763.000	40.34	AV	V	4.12	44.46	54.00	9.54

20MHz QPSK:

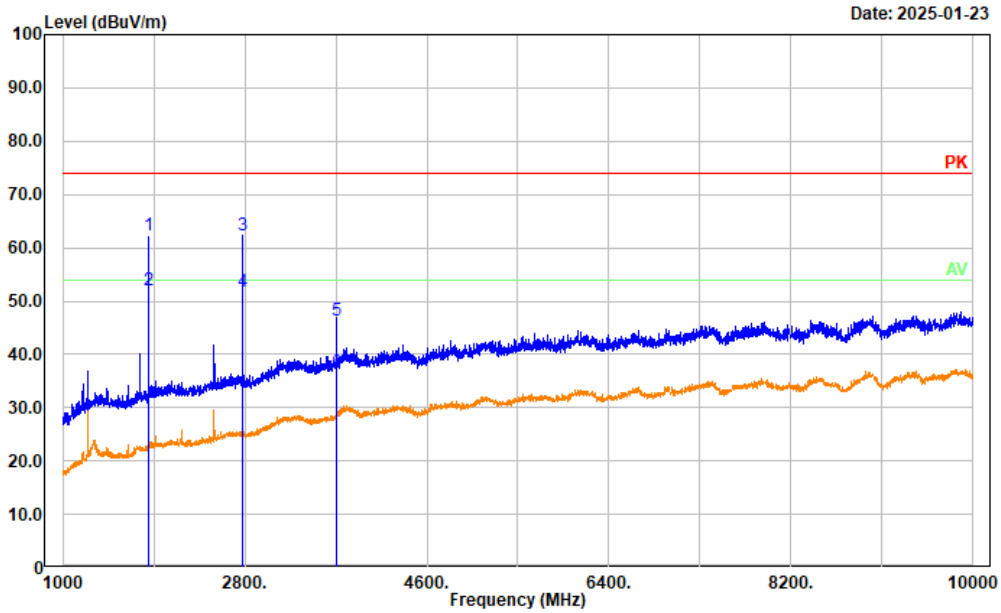
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel:				914	MHz		
1828.000	60.19	PK	H	1.70	61.89	74.00	12.11
1828.000	48.30	AV	H	1.70	50.00	54.00	4.00
1828.000	61.55	PK	V	1.70	63.25	74.00	10.75
1828.000	48.69	AV	V	1.70	50.39	54.00	3.61
2742.000	52.81	PK	H	4.11	56.92	74.00	17.08
2742.000	39.95	AV	H	4.11	44.06	54.00	9.94
2742.000	53.66	PK	V	4.11	57.77	74.00	16.23
2742.000	40.21	AV	V	4.11	44.32	54.00	9.68

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Middle Channel:				915	MHz		
1830.000	60.64	PK	H	1.72	62.36	74.00	11.64
1830.000	48.42	AV	H	1.72	50.14	54.00	3.86
1830.000	62.68	PK	V	1.72	64.40	74.00	9.60
1830.000	48.56	AV	V	1.72	50.28	54.00	3.72
2745.000	52.09	PK	H	4.11	56.20	74.00	17.80
2745.000	39.36	AV	H	4.11	43.47	54.00	10.53
2745.000	53.85	PK	V	4.11	57.96	74.00	16.04
2745.000	39.48	AV	V	4.11	43.59	54.00	10.41

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
High Channel:				916	MHz		
1832.000	60.65	PK	H	1.74	62.39	74.00	11.61
1832.000	48.55	AV	H	1.74	50.29	54.00	3.71
1832.000	62.34	PK	V	1.74	64.08	74.00	9.92
1832.000	49.66	AV	V	1.74	51.40	54.00	2.60
2748.000	51.27	PK	H	4.11	55.38	74.00	18.62
2748.000	38.64	AV	H	4.11	42.75	54.00	11.25
2748.000	53.82	PK	V	4.11	57.93	74.00	16.07
2748.000	39.35	AV	V	4.11	43.46	54.00	10.54

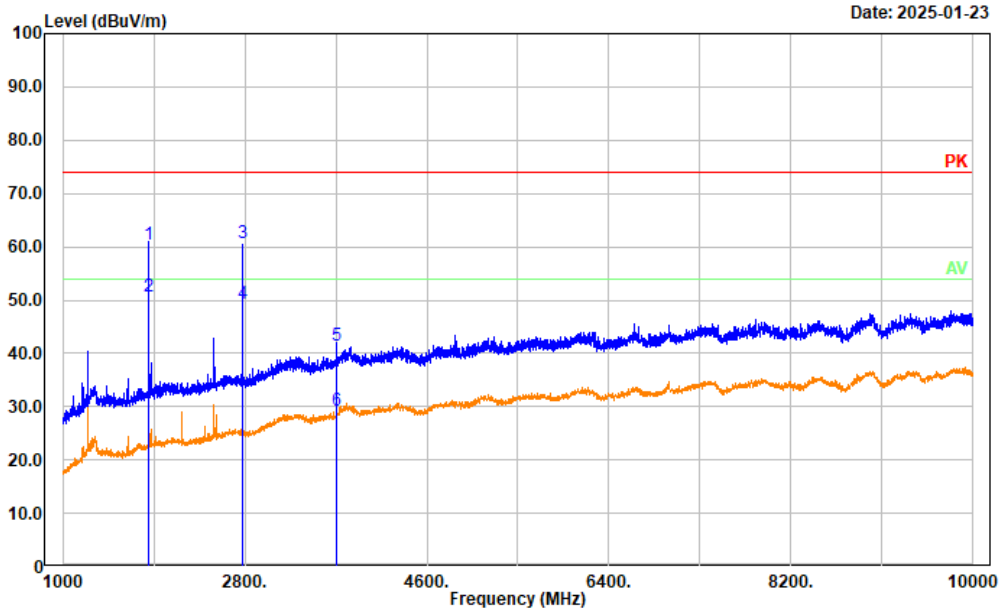
Worst radiation spurious emissions margin test plots for each mode

Project No.: 2503P42421E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: SRD High Channel 926MHz QPSK 1.4M



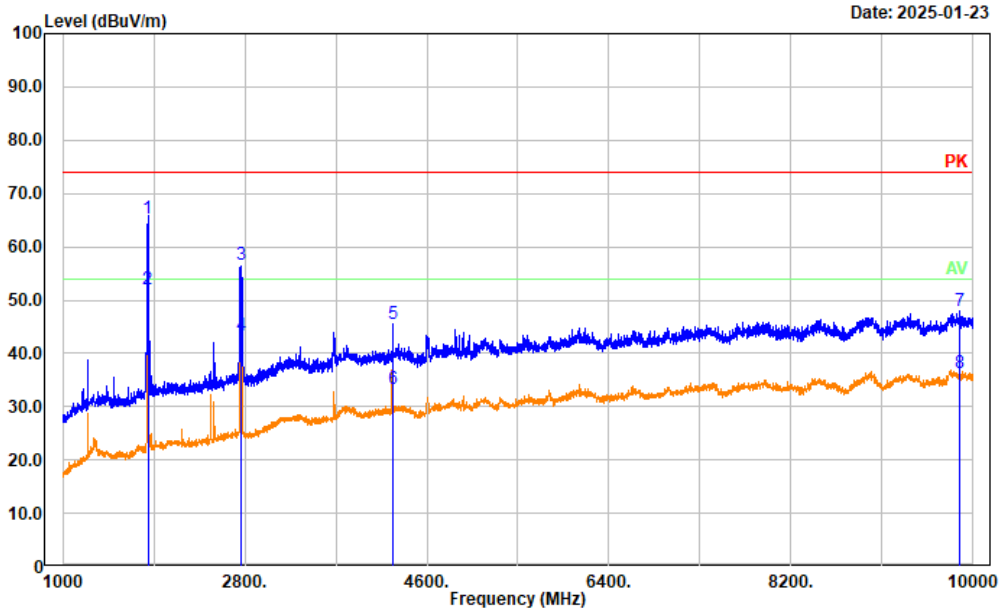
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	1852.000	60.45	1.94	62.39	74.00	11.61	Peak
2	1852.000	50.01	1.94	51.95	54.00	2.05	Average
3	2778.000	58.22	4.15	62.37	74.00	11.63	Peak
4	2778.000	47.74	4.15	51.89	54.00	2.11	Average
5	3704.000	39.18	7.27	46.45	74.00	27.55	Peak
6	3704.000	29.32	7.27	36.59	54.00	17.41	Average

Project No.: 2503P42421E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: SRD High Channel 926MHz QPSK 1.4M



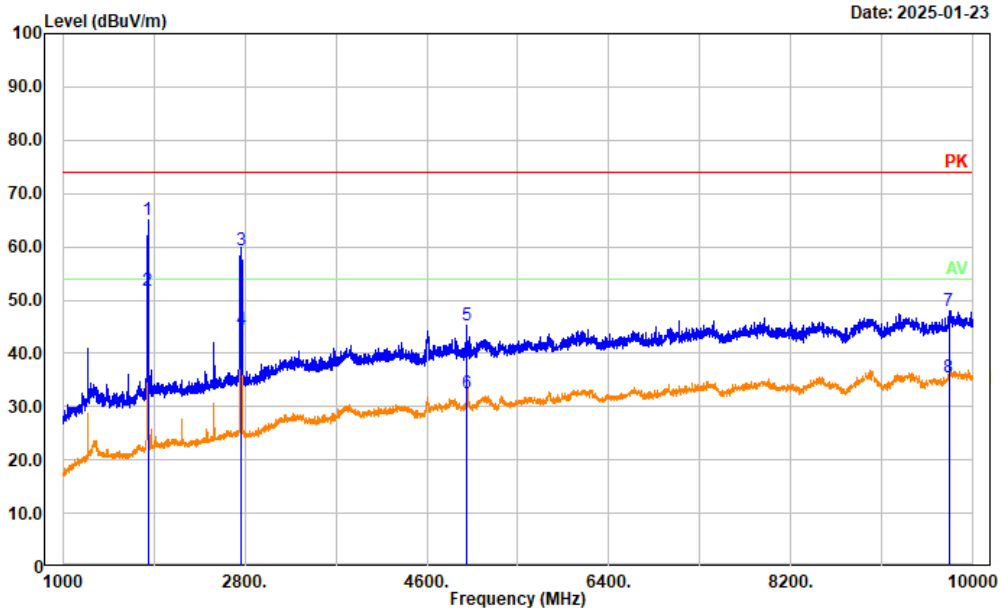
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	1852.000	58.51	1.94	60.45	74.00	13.55	Peak
2	1852.000	48.69	1.94	50.63	54.00	3.37	Average
3	2778.000	56.51	4.15	60.66	74.00	13.34	Peak
4	2778.000	45.22	4.15	49.37	54.00	4.63	Average
5	3704.000	34.12	7.27	41.39	74.00	32.61	Peak
6	3704.000	22.03	7.27	29.30	54.00	24.70	Average

Project No.: 2503P42421E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: SRD High Channel 921MHz QPSK 10M



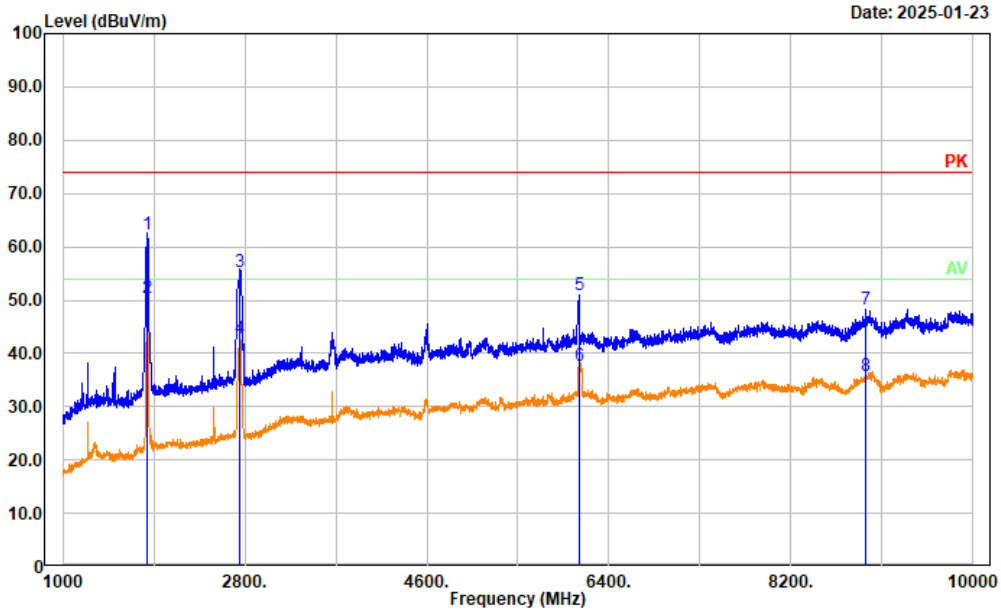
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	1842.000	63.36	1.85	65.21	74.00	8.79	Peak
2	1842.000	50.12	1.85	51.97	54.00	2.03	Average
3	2763.000	52.48	4.12	56.60	74.00	17.40	Peak
4	2763.000	39.15	4.12	43.27	54.00	10.73	Average
5	4261.600	37.49	7.91	45.40	74.00	28.60	Peak
6	4261.600	25.41	7.91	33.32	54.00	20.68	Average
7	9872.200	34.47	13.58	48.05	74.00	25.95	Peak
8	9872.200	22.63	13.58	36.21	54.00	17.79	Average

Project No.: 2503P42421E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: SRD High Channel 921MHz QPSK 10M



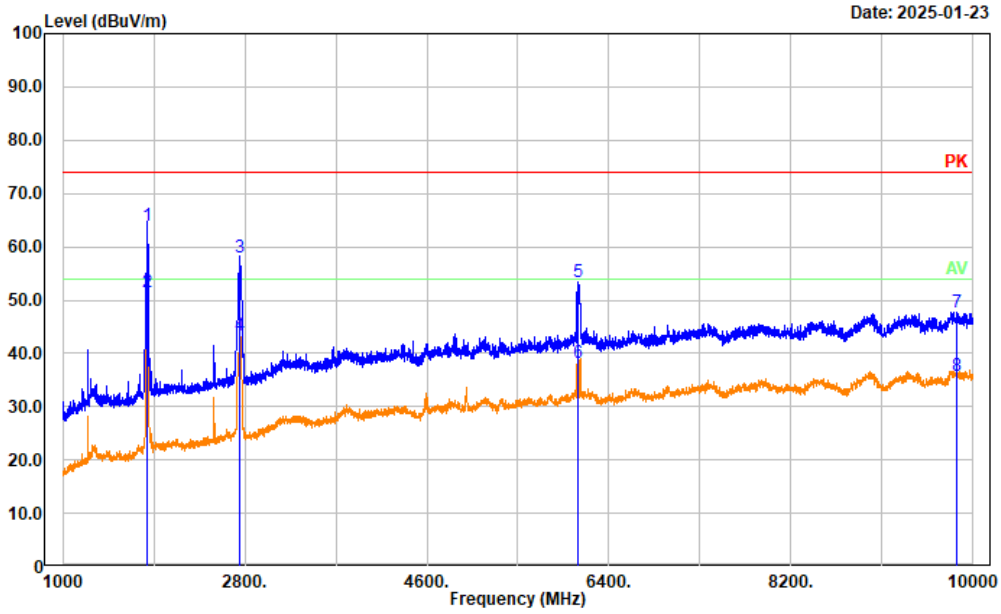
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	1842.000	63.22	1.85	65.07	74.00	8.93	Peak
2	1842.000	49.86	1.85	51.71	54.00	2.29	Average
3	2763.000	55.26	4.12	59.38	74.00	14.62	Peak
4	2763.000	40.34	4.12	44.46	54.00	9.54	Average
5	4997.800	36.47	8.90	45.37	74.00	28.63	Peak
6	4997.800	23.68	8.90	32.58	54.00	21.42	Average
7	9758.800	35.25	12.72	47.97	74.00	26.03	Peak
8	9758.800	22.91	12.72	35.63	54.00	18.37	Average

Project No.: 2503P42421E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: SRD High Channel 916MHz QPSK 20M



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	1832.000	60.65	1.74	62.39	74.00	11.61	Peak
2	1832.000	48.55	1.74	50.29	54.00	3.71	Average
3	2748.000	51.27	4.11	55.38	74.00	18.62	Peak
4	2748.000	38.64	4.11	42.75	54.00	11.25	Average
5	6103.000	40.21	10.67	50.88	74.00	23.12	Peak
6	6103.000	26.98	10.67	37.65	54.00	16.35	Average
7	8943.400	34.90	13.40	48.30	74.00	25.70	Peak
8	8943.400	22.29	13.40	35.69	54.00	18.31	Average

Project No.: 2503P42421E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: SRD High Channel 916MHz QPSK 20M



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	1832.000	62.34	1.74	64.08	74.00	9.92	Peak
2	1832.000	49.66	1.74	51.40	54.00	2.60	Average
3	2748.000	53.82	4.11	57.93	74.00	16.07	Peak
4	2748.000	39.35	4.11	43.46	54.00	10.54	Average
5	6094.000	42.77	10.68	53.45	74.00	20.55	Peak
6	6094.000	27.57	10.68	38.25	54.00	15.75	Average
7	9832.600	34.20	13.47	47.67	74.00	26.33	Peak
8	9832.600	22.19	13.47	35.66	54.00	18.34	Average

2.4G SRD(1-25GHz)
1.4MHz QPSK:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 2403.5 MHz							
4807.000	49.11	PK	H	8.76	57.87	74.00	16.13
4807.000	38.15	AV	H	8.76	46.91	54.00	7.09
4807.000	50.34	PK	V	8.76	59.10	74.00	14.90
4807.000	39.01	AV	V	8.76	47.77	54.00	6.23
7210.500	37.15	PK	H	11.50	48.65	74.00	25.35
7210.500	26.14	AV	H	11.50	37.64	54.00	16.36
7210.500	38.64	PK	V	11.50	50.14	74.00	23.86
7210.500	26.88	AV	V	11.50	38.38	54.00	15.62
Middle Channel: 2439.5 MHz							
4879.000	41.37	PK	H	9.13	50.50	74.00	23.50
4879.000	30.74	AV	H	9.13	39.87	54.00	14.13
4879.000	48.64	PK	V	9.13	57.77	74.00	16.23
4879.000	38.67	AV	V	9.13	47.80	54.00	6.20
7318.500	36.87	PK	H	11.53	48.40	74.00	25.60
7318.500	25.01	AV	H	11.53	36.54	54.00	17.46
7318.500	39.76	PK	V	11.53	51.29	74.00	22.71
7318.500	29.03	AV	V	11.53	40.56	54.00	13.44
High Channel: 2475.5 MHz							
4951.000	42.35	PK	H	8.88	51.23	74.00	22.77
4951.000	31.47	AV	H	8.88	40.35	54.00	13.65
4951.000	54.34	PK	V	8.88	63.22	74.00	10.78
4951.000	42.64	AV	V	8.88	51.52	54.00	2.48
7426.500	37.45	PK	H	11.49	48.94	74.00	25.06
7426.500	25.11	AV	H	11.49	36.60	54.00	17.40
7426.500	42.65	PK	V	11.49	54.14	74.00	19.86
7426.500	29.16	AV	V	11.49	40.65	54.00	13.35

10MHz QPSK:

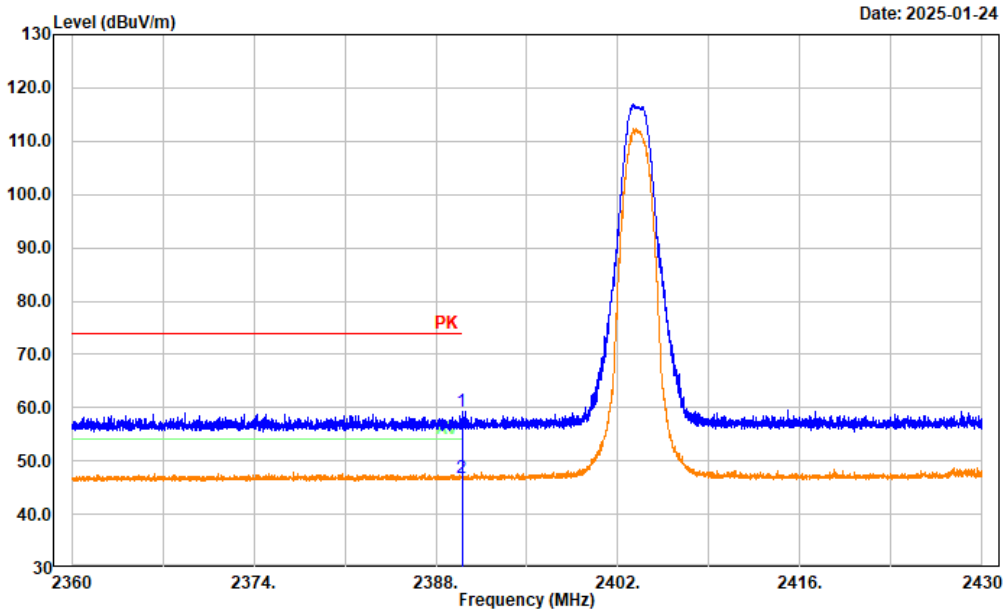
Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 2407.5 MHz							
4815.000	38.98	PK	H	8.85	47.83	74.00	26.17
4815.000	26.27	AV	H	8.85	35.12	54.00	18.88
4815.000	39.94	PK	V	8.85	48.79	74.00	25.21
4815.000	26.40	AV	V	8.85	35.25	54.00	18.75
7222.500	32.85	PK	H	11.48	44.33	74.00	29.67
7222.500	19.66	AV	H	11.48	31.14	54.00	22.86
7222.500	31.96	PK	V	11.48	43.44	74.00	30.56
7222.500	19.75	AV	V	11.48	31.23	54.00	22.77
Middle Channel: 2439.5 MHz							
4879.000	39.76	PK	H	9.13	48.89	74.00	25.11
4879.000	27.68	AV	H	9.13	36.81	54.00	17.19
4879.000	40.44	PK	V	9.13	49.57	74.00	24.43
4879.000	27.43	AV	V	9.13	36.56	54.00	17.44
7318.500	34.47	PK	H	11.53	46.00	74.00	28.00
7318.500	21.85	AV	H	11.53	33.38	54.00	20.62
7318.500	34.64	PK	V	11.53	46.17	74.00	27.83
7318.500	21.34	AV	V	11.53	32.87	54.00	21.13
High Channel: 2471.5 MHz							
4943.000	40.35	PK	H	8.91	49.26	74.00	24.74
4943.000	27.64	AV	H	8.91	36.55	54.00	17.45
4943.000	41.31	PK	V	8.91	50.22	74.00	23.78
4943.000	27.87	AV	V	8.91	36.78	54.00	17.22
7414.500	34.22	PK	H	11.47	45.69	74.00	28.31
7414.500	21.03	AV	H	11.47	32.50	54.00	21.50
7414.500	33.33	PK	V	11.47	44.80	74.00	29.20
7414.500	21.12	AV	V	11.47	32.59	54.00	21.41

20MHz QPSK:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 2412.5 MHz							
4825.000	35.29	PK	H	8.96	44.25	74.00	29.75
4825.000	23.94	AV	H	8.96	32.90	54.00	21.10
4825.000	37.05	PK	V	8.96	46.01	74.00	27.99
4825.000	25.01	AV	V	8.96	33.97	54.00	20.03
7237.500	33.05	PK	H	11.45	44.50	74.00	29.50
7237.500	21.75	AV	H	11.45	33.20	54.00	20.80
7237.500	33.19	PK	V	11.45	44.64	74.00	29.36
7237.500	21.34	AV	V	11.45	32.79	54.00	21.21
Middle Channel: 2437.5 MHz							
4875.000	36.44	PK	H	9.15	45.59	74.00	28.41
4875.000	23.98	AV	H	9.15	33.13	54.00	20.87
4875.000	37.11	PK	V	9.15	46.26	74.00	27.74
4875.000	25.71	AV	V	9.15	34.86	54.00	19.14
7312.500	33.19	PK	H	11.50	44.69	74.00	29.31
7312.500	21.41	AV	H	11.50	32.91	54.00	21.09
7312.500	33.25	PK	V	11.50	44.75	74.00	29.25
7312.500	21.10	AV	V	11.50	32.60	54.00	21.40
High Channel: 2462.5 MHz							
4925.000	39.63	PK	H	8.97	48.60	74.00	25.40
4925.000	25.15	AV	H	8.97	34.12	54.00	19.88
4925.000	37.48	PK	V	8.97	46.45	74.00	27.55
4925.000	26.14	AV	V	8.97	35.11	54.00	18.89
7387.500	33.48	PK	H	11.50	44.98	74.00	29.02
7387.500	21.70	AV	H	11.50	33.20	54.00	20.80
7387.500	33.62	PK	V	11.50	45.12	74.00	28.88
7387.500	21.44	AV	V	11.50	32.94	54.00	21.06

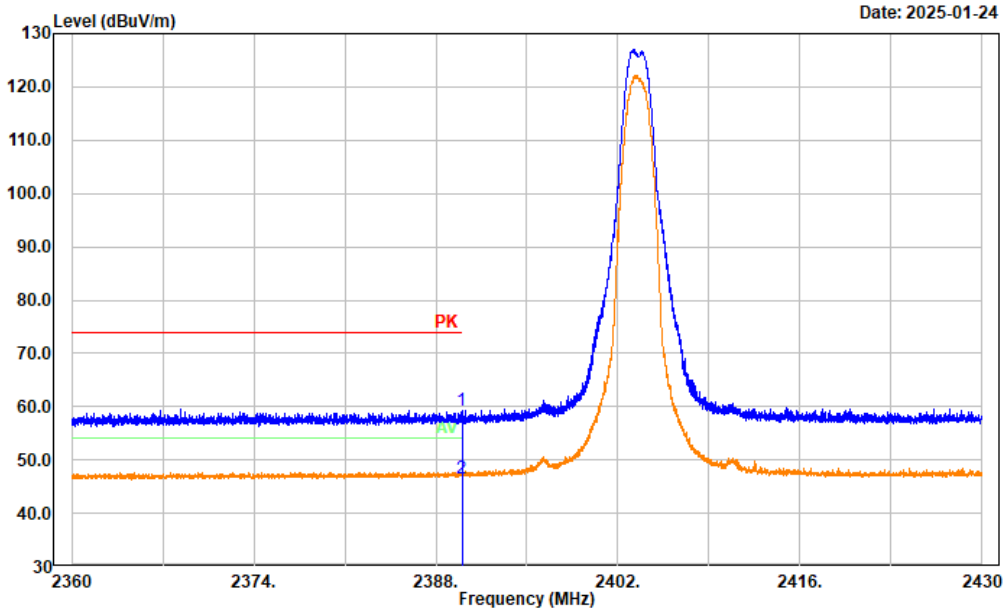
Band edge test plots

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: SRD Low Channel 2403.5MHz QPSK 1.4M



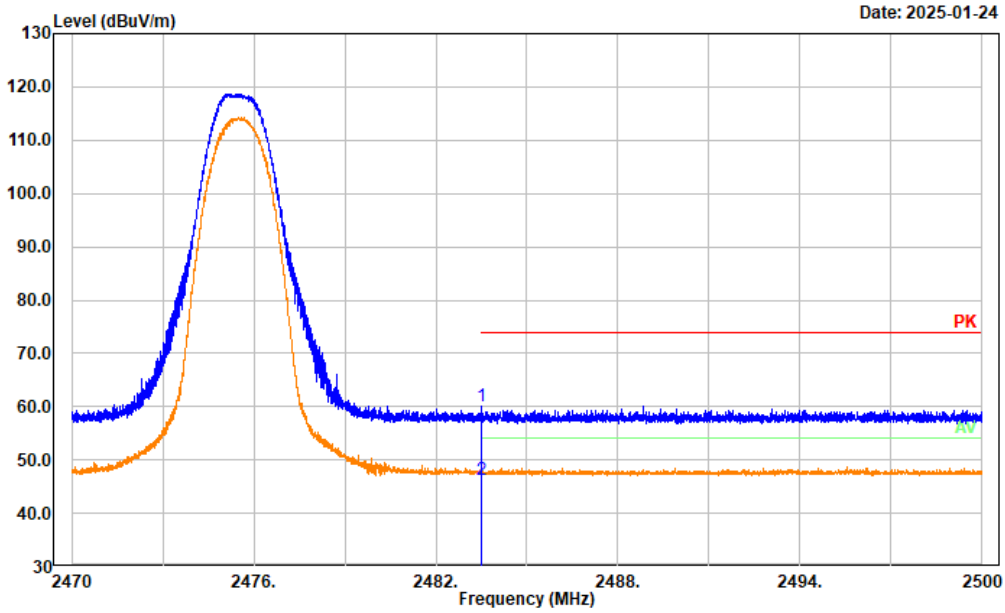
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2390.000	27.80	31.56	59.36	74.00	14.64	Peak
2	2390.000	15.32	31.56	46.88	54.00	7.12	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: SRD Low Channel 2403.5MHz QPSK 1.4M



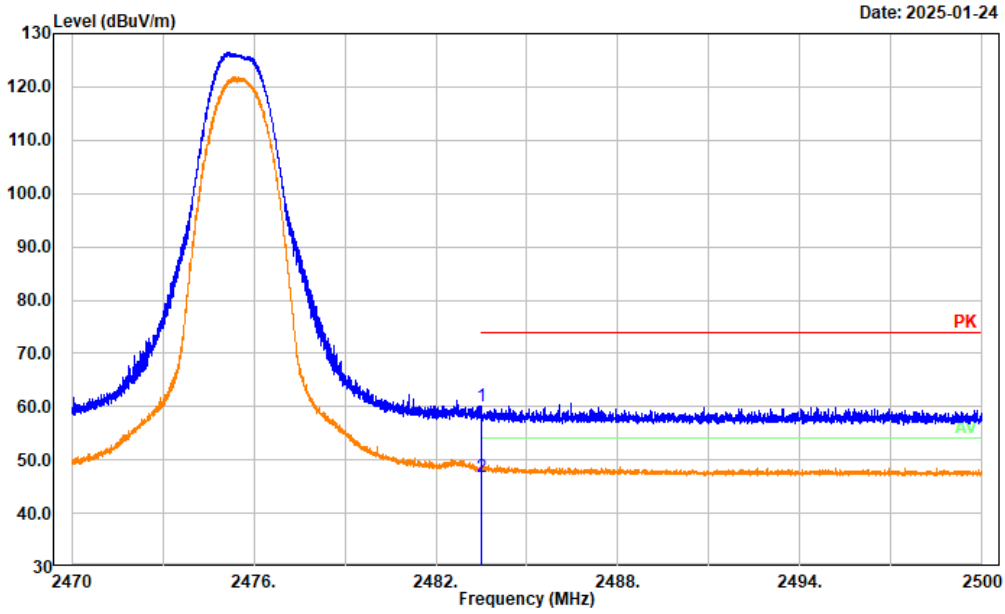
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2390.000	27.80	31.56	59.36	74.00	14.64	Peak
2	2390.000	14.98	31.56	46.54	54.00	7.46	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: SRD High Channel 2475.5MHz QPSK 1.4M



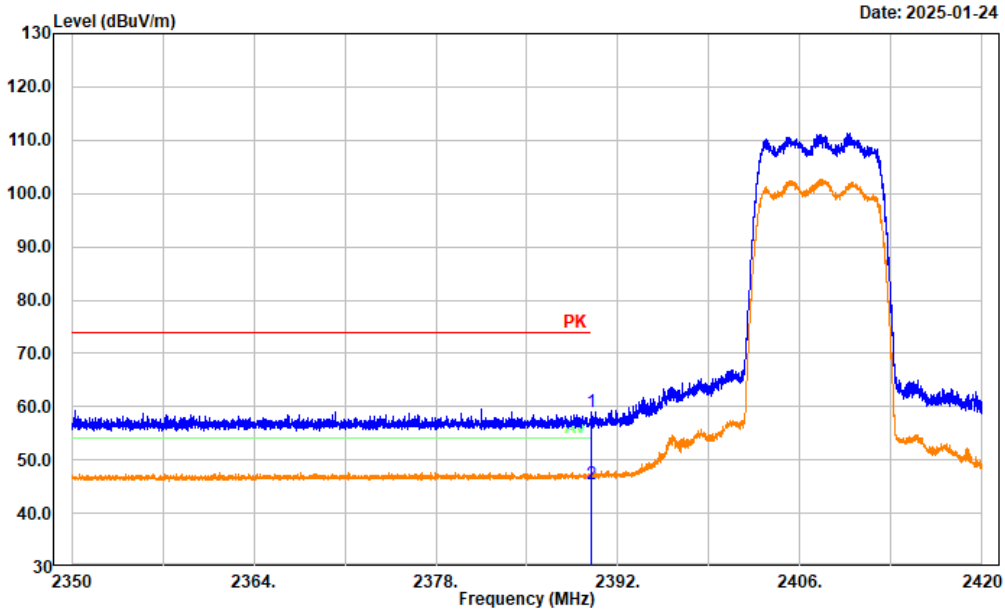
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	28.35	31.62	59.97	74.00	14.03	Peak
2	2483.500	14.73	31.62	46.35	54.00	7.65	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: SRD High Channel 2475.5MHz QPSK 1.4M



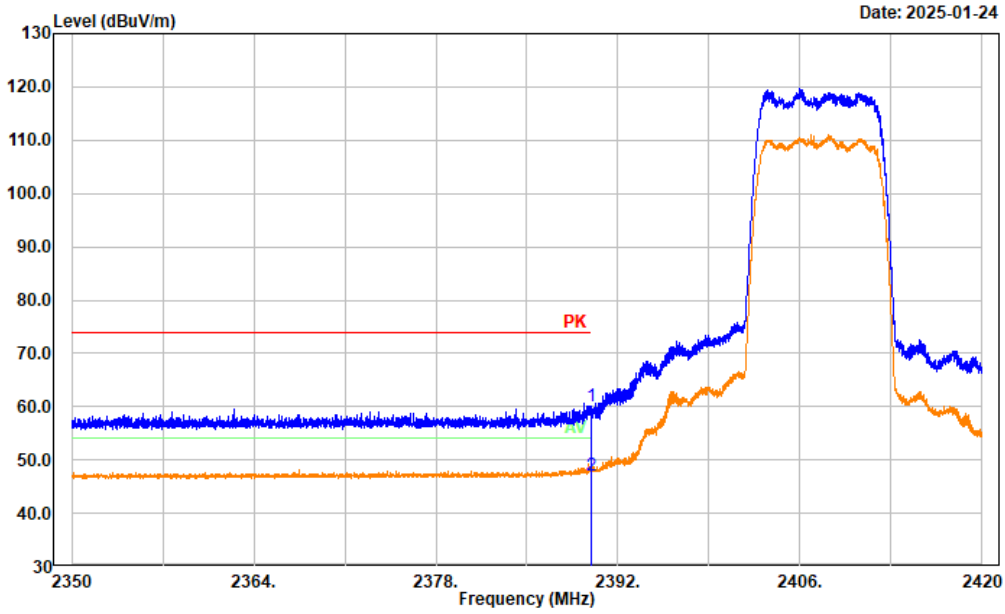
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	28.50	31.62	60.12	74.00	13.88	Peak
2	2483.500	15.12	31.62	46.74	54.00	7.26	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: SRD Low Channel 2407.5MHz QPSK 10M



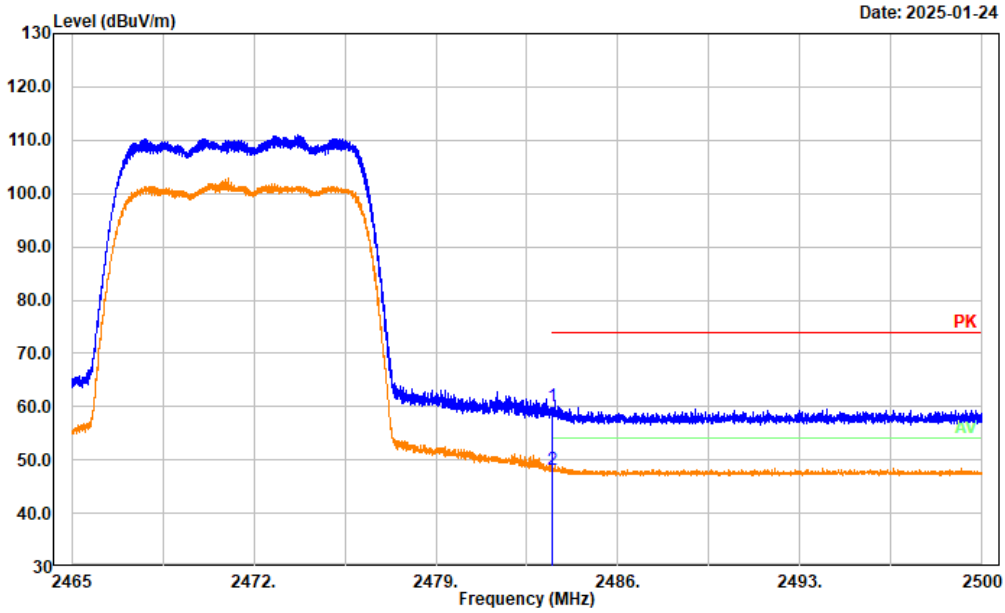
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2390.000	27.39	31.56	58.95	74.00	15.05	Peak
2	2390.000	14.02	31.56	45.58	54.00	8.42	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: SRD Low Channel 2407.5MHz QPSK 10M



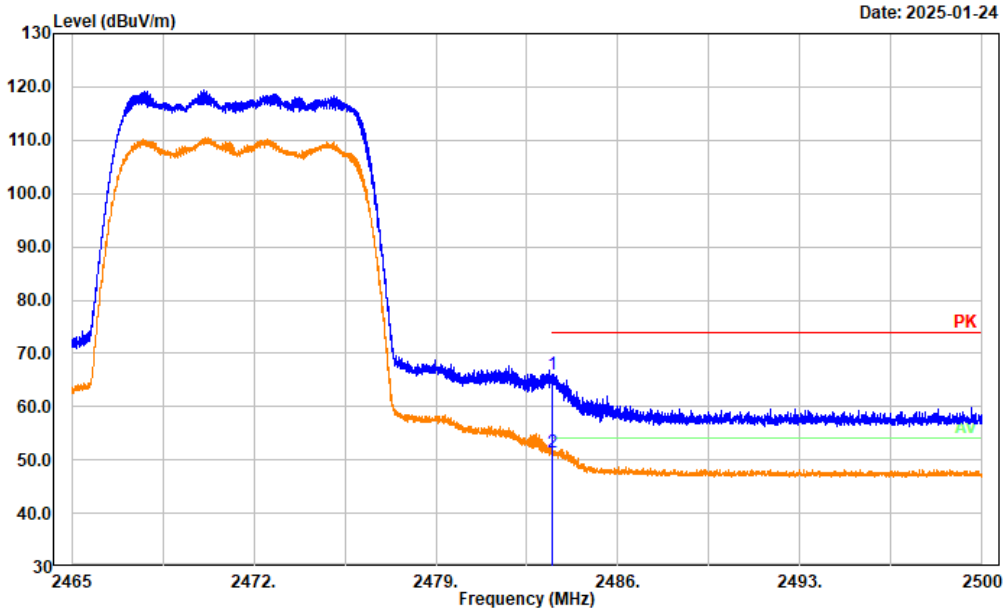
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2390.000	28.51	31.56	60.07	74.00	13.93	Peak
2	2390.000	15.55	31.56	47.11	54.00	6.89	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: SRD High Channel 2471.5MHz QPSK 10M



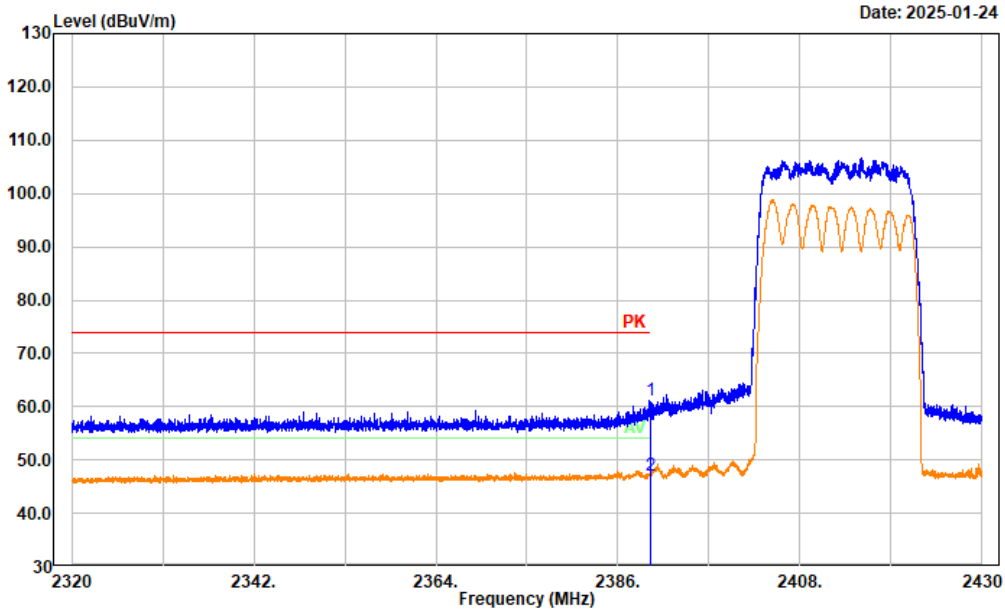
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	28.48	31.62	60.10	74.00	13.90	Peak
2	2483.500	16.44	31.62	48.06	54.00	5.94	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: SRD High Channel 2471.5MHz QPSK 10M



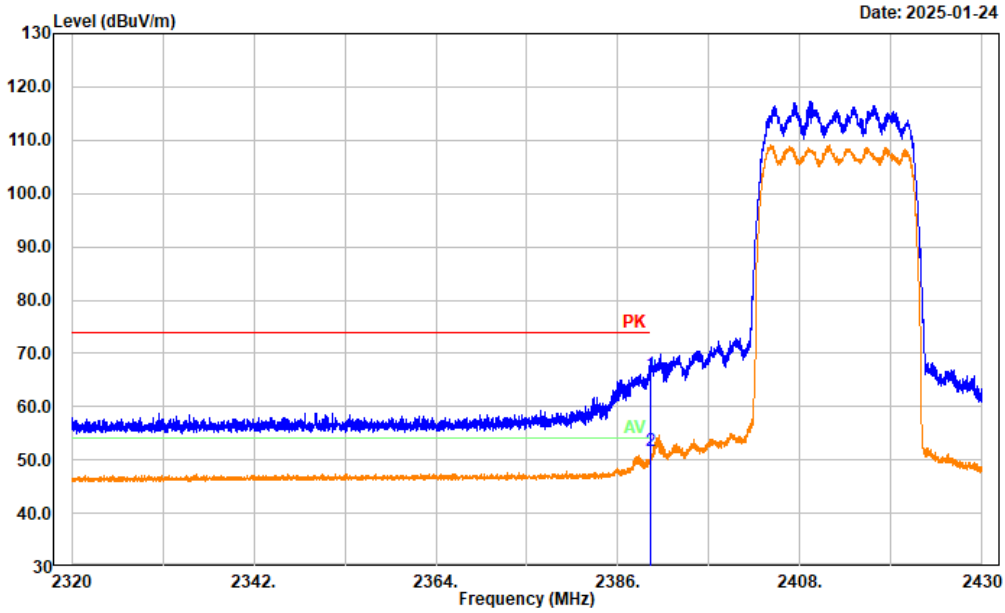
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	34.40	31.62	66.02	74.00	7.98	Peak
2	2483.500	19.74	31.62	51.36	54.00	2.64	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: SRD Low Channel 2412.5MHz QPSK 20M



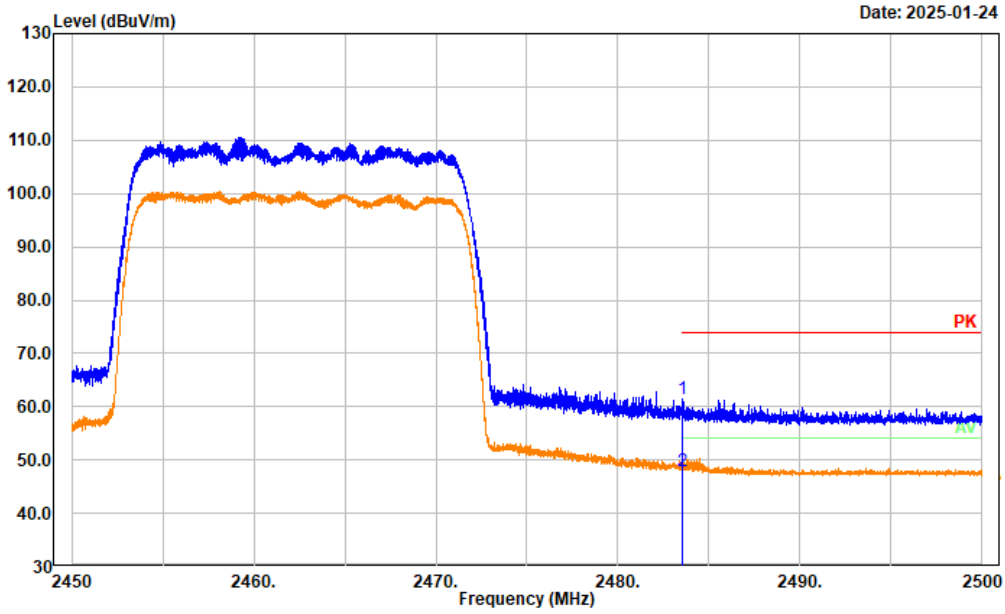
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2390.000	29.53	31.56	61.09	74.00	12.91	Peak
2	2390.000	15.56	31.56	47.12	54.00	6.88	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: SRD Low Channel 2412.5MHz QPSK 20M



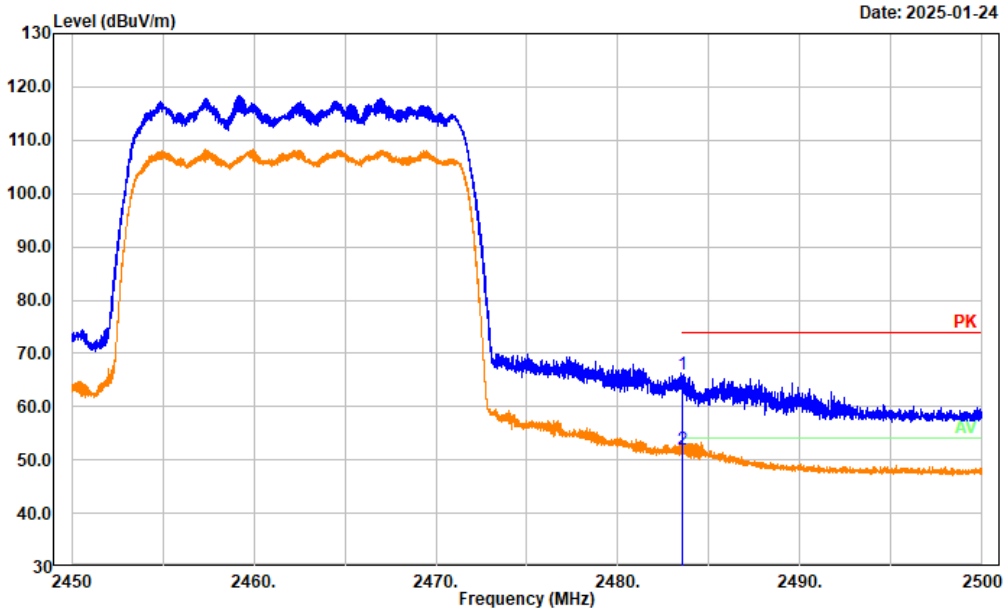
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2390.000	34.56	31.56	66.12	74.00	7.88	Peak
2	2390.000	20.13	31.56	51.69	54.00	2.31	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: SRD High Channel 2462.5MHz QPSK 20M



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	29.94	31.62	61.56	74.00	12.44	Peak
2	2483.500	16.24	31.62	47.86	54.00	6.14	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: SRD High Channel 2462.5MHz QPSK 20M



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	2483.500	34.30	31.62	65.92	74.00	8.08	Peak
2	2483.500	20.39	31.62	52.01	54.00	1.99	Average

Worst radiation spurious emissions margin test plots for each mode

Note: for 18 – 25 GHz range, only report the worst case mode

```
Project No.: 2503P42421E-RF
     Tester: Coco Tian
  Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
       Note: SRD High Channel 2475.5MHz QPSK 1.4M
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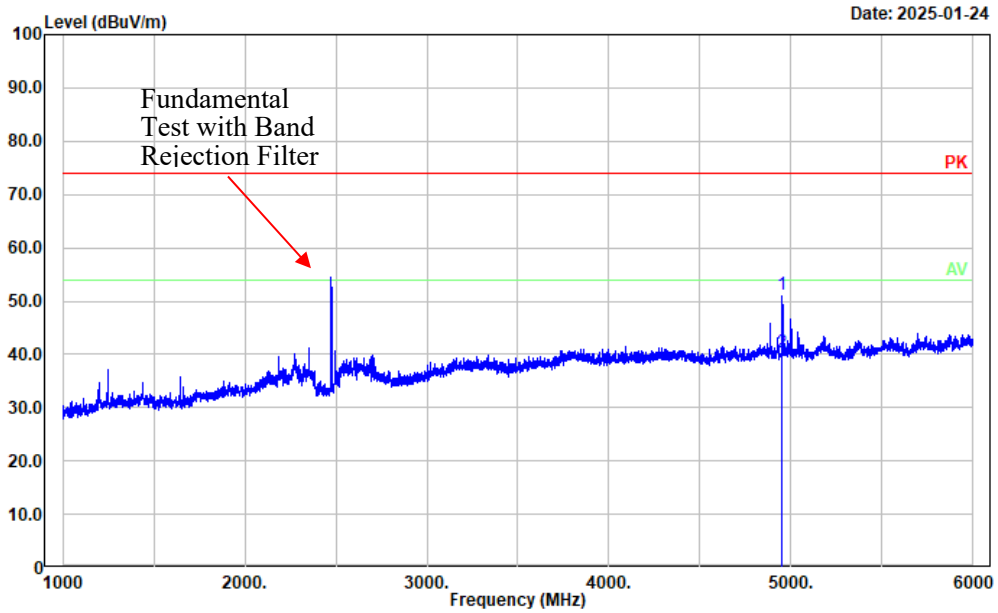
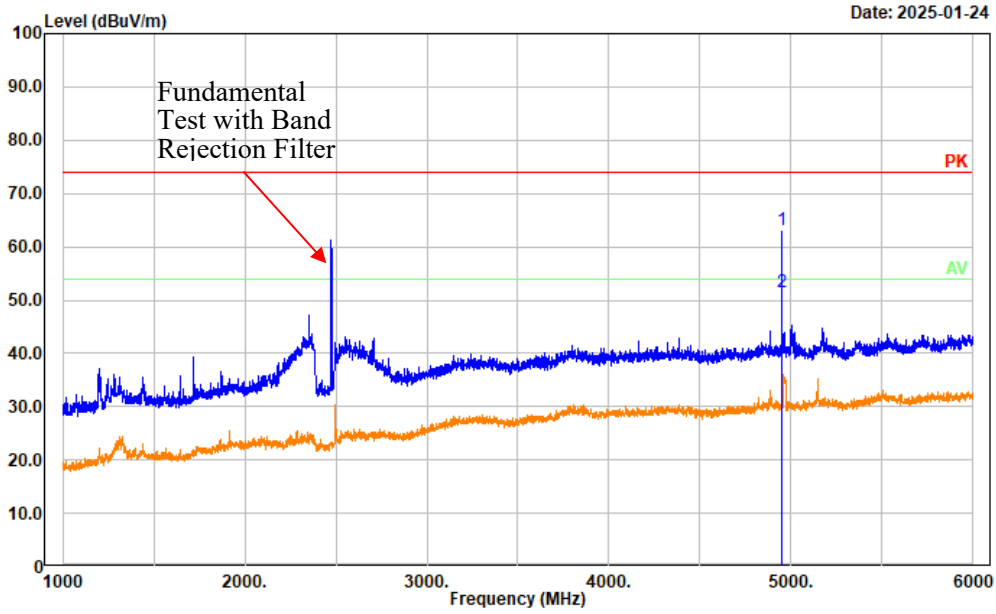


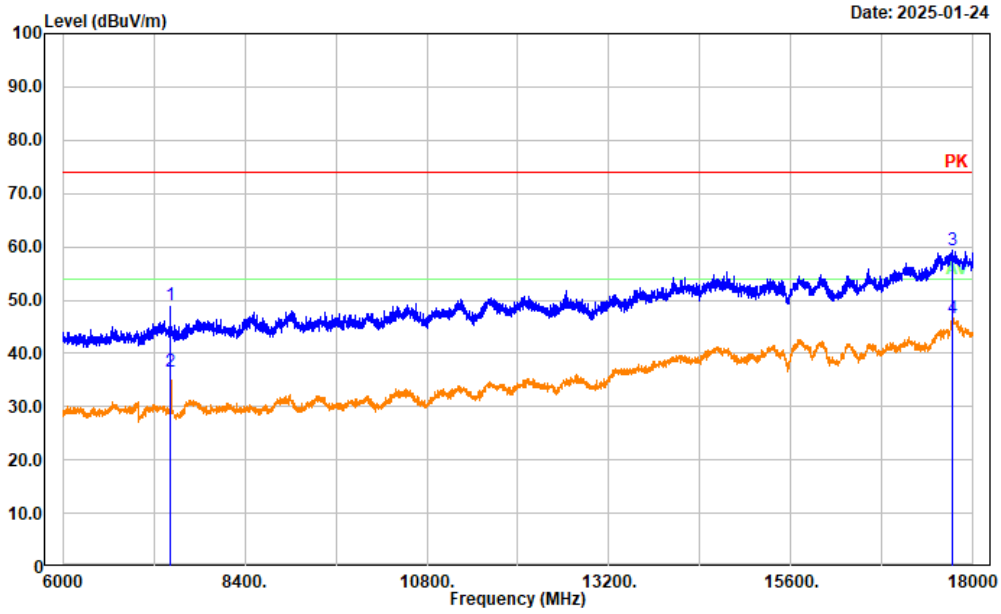
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	4951.000	42.35	8.88	51.23	74.00	22.77	Peak
2	4951.000	31.47	8.88	40.35	54.00	13.65	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: SRD High Channel 2475.5MHz QPSK 1.4M



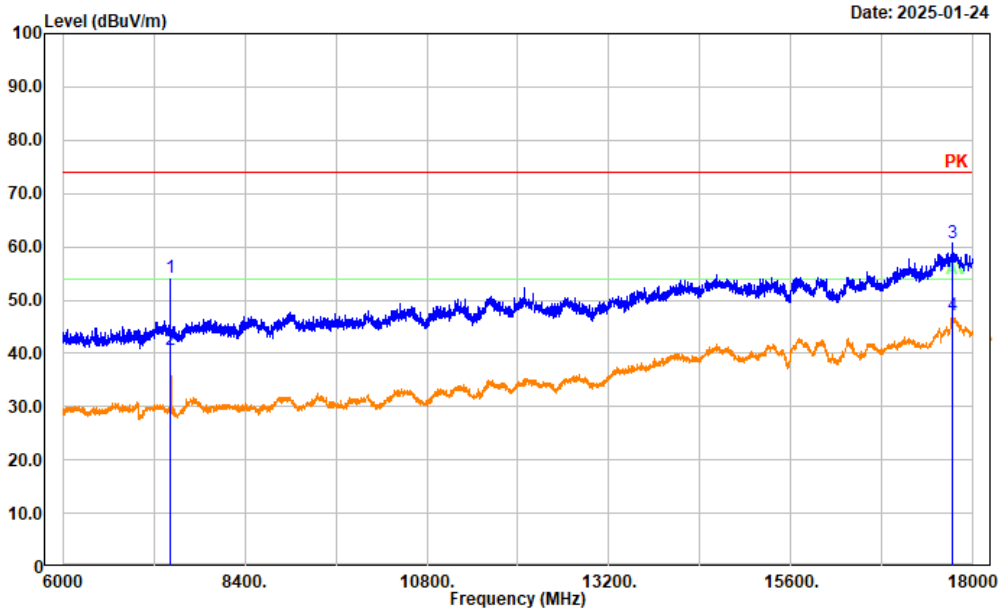
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	4951.000	54.34	8.88	63.22	74.00	10.78	Peak
2	4951.000	42.64	8.88	51.52	54.00	2.48	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: SRD High Channel 2475.5MHz QPSK 1.4M



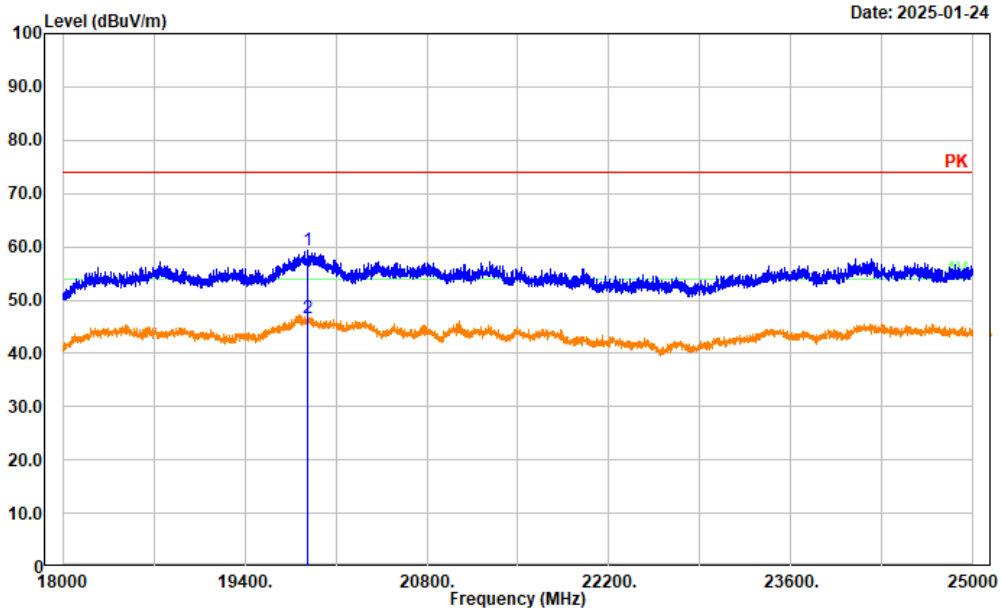
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7426.500	37.45	11.49	48.94	74.00	25.06	Peak
2	7426.500	25.11	11.49	36.60	54.00	17.40	Average
3	17724.000	33.58	25.81	59.39	74.00	14.61	Peak
4	17724.000	20.74	25.81	46.55	54.00	7.45	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: SRD High Channel 2475.5MHz QPSK 1.4M



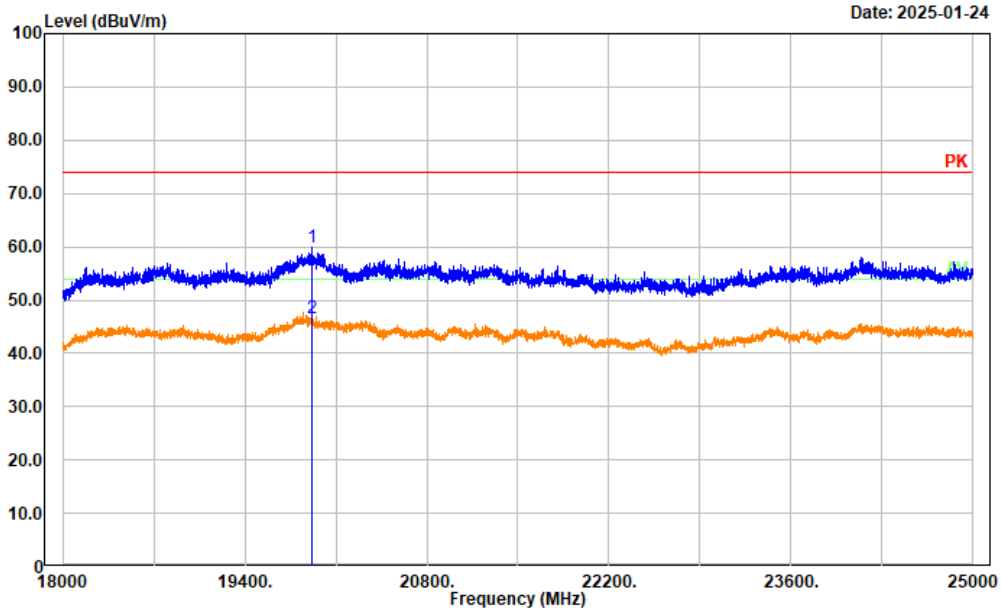
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7426.500	42.65	11.49	54.14	74.00	19.86	Peak
2	7426.500	29.16	11.49	40.65	54.00	13.35	Average
3	17724.000	34.77	25.81	60.58	74.00	13.42	Peak
4	17724.000	21.22	25.81	47.03	54.00	6.97	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: SRD High Channel 2475.5MHz QPSK 1.4M



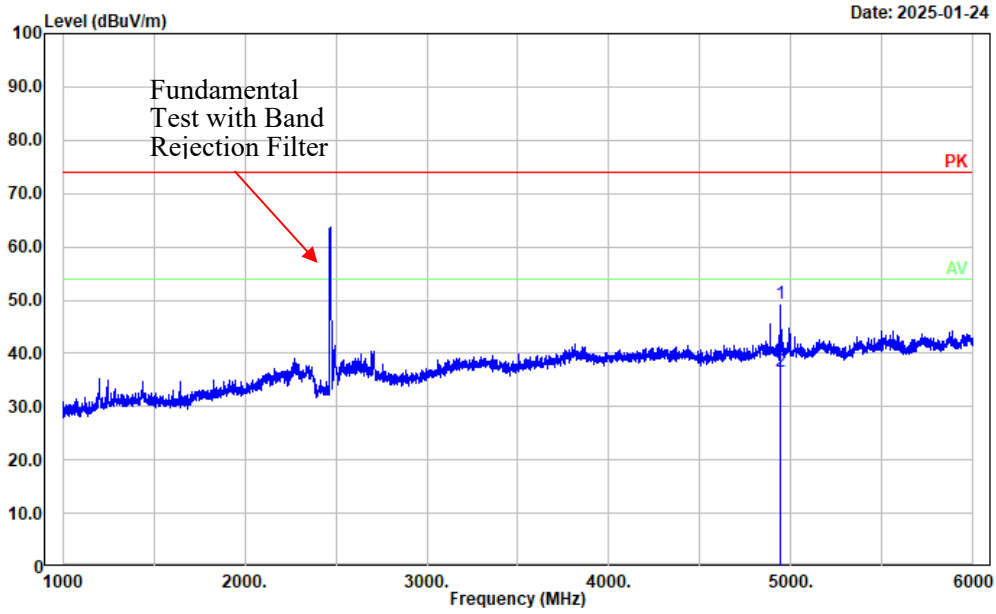
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	19884.400	51.35	7.98	59.33	74.00	14.67	Peak
2	19884.400	38.57	7.98	46.55	54.00	7.45	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: SRD High Channel 2475.5MHz QPSK 1.4M



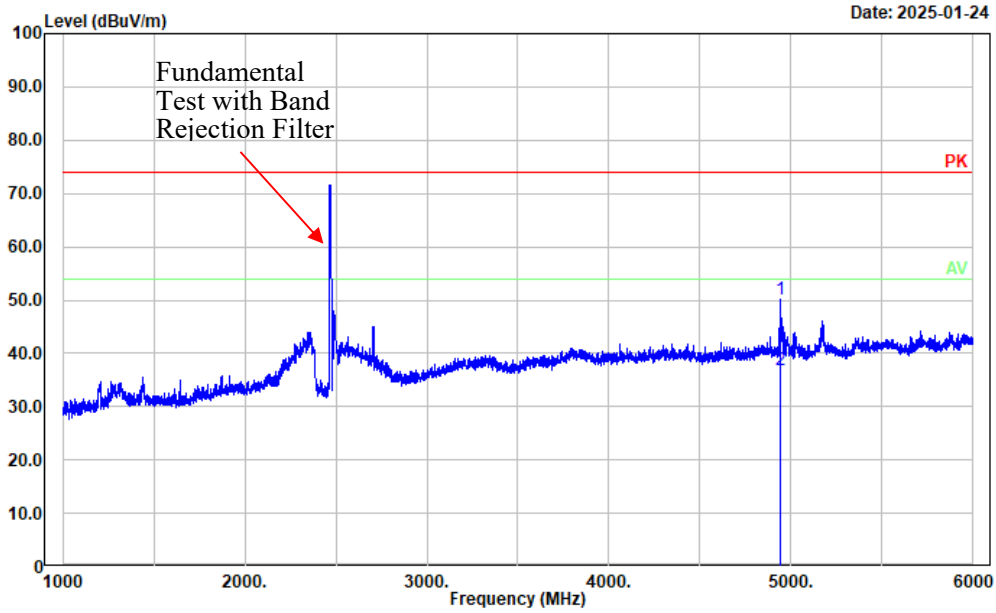
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	19919.400	52.11	7.87	59.98	74.00	14.02	Peak
2	19919.400	38.64	7.87	46.51	54.00	7.49	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
Note: SRD High Channel 2471.5MHz QPSK 10M



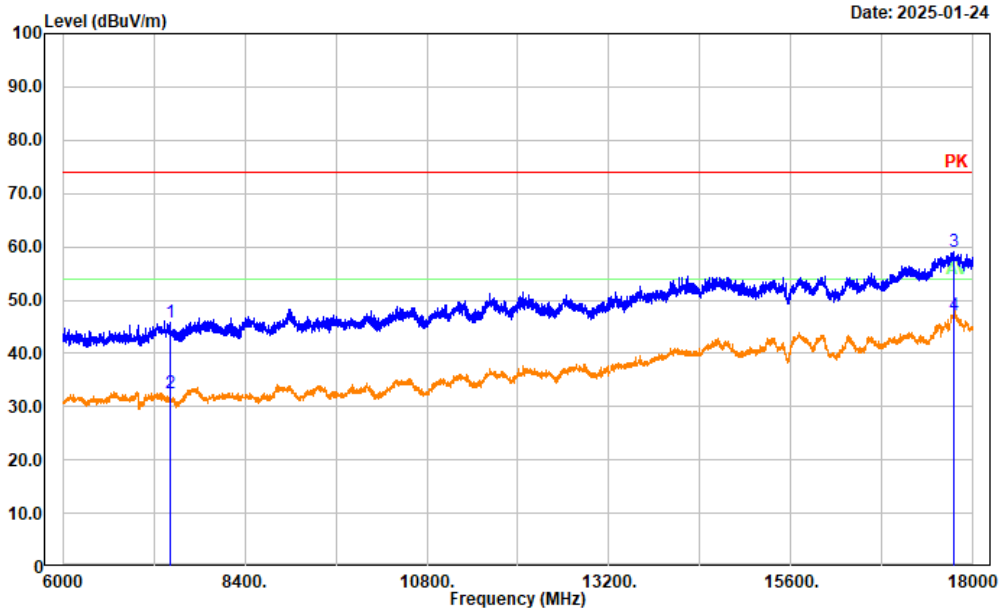
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	4943.000	40.35	8.91	49.26	74.00	24.74	Peak
2	4943.000	27.64	8.91	36.55	54.00	17.45	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: SRD High Channel 2471.5MHz QPSK 10M



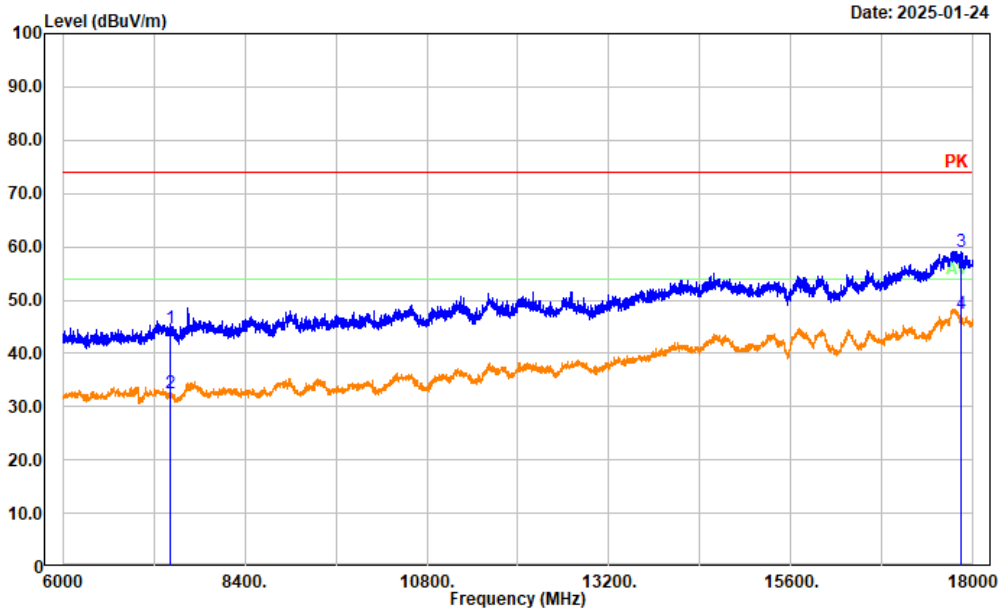
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	4943.000	41.31	8.91	50.22	74.00	23.78	Peak
2	4943.000	27.87	8.91	36.78	54.00	17.22	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: SRD High Channel 2471.5MHz QPSK 10M



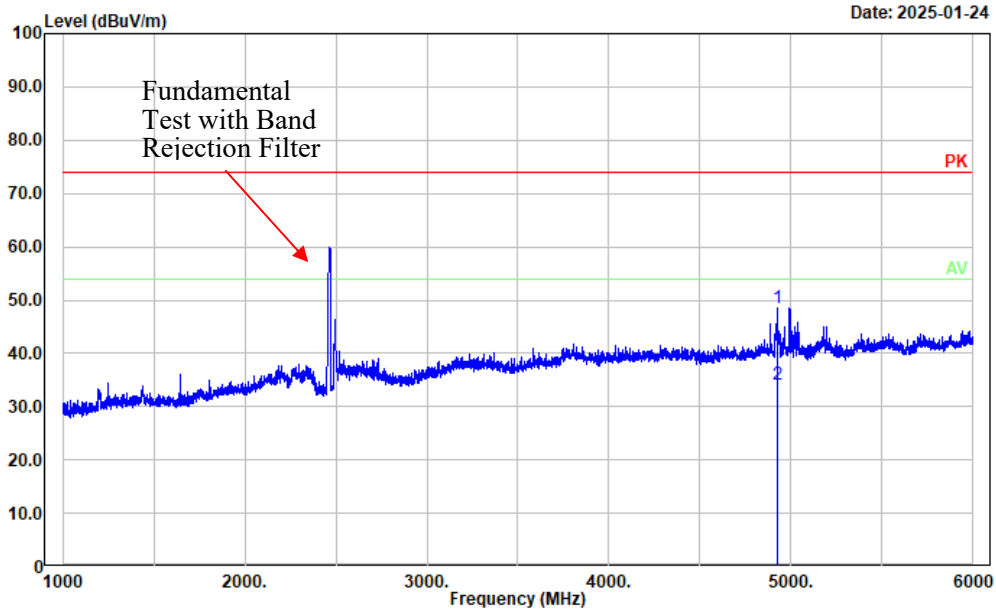
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7414.500	34.22	11.47	45.69	74.00	28.31	Peak
2	7414.500	21.03	11.47	32.50	54.00	21.50	Average
3	17740.800	33.34	25.80	59.14	74.00	14.86	Peak
4	17740.800	21.45	25.80	47.25	54.00	6.75	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: SRD High Channel 2471.5MHz QPSK 10M



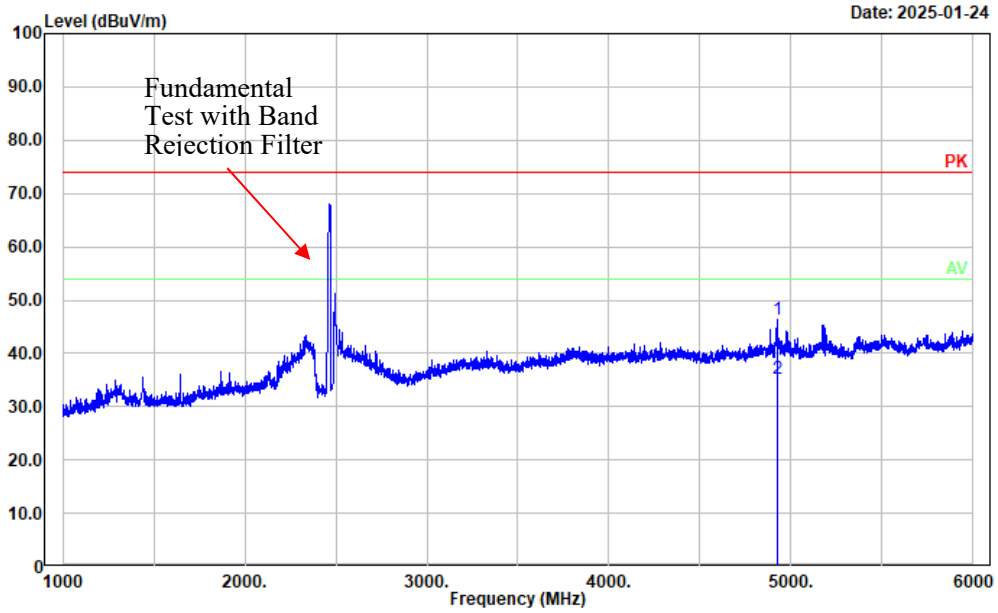
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7414.500	33.33	11.47	44.80	74.00	29.20	Peak
2	7414.500	21.12	11.47	32.59	54.00	21.41	Average
3	17832.000	33.28	25.76	59.04	74.00	14.96	Peak
4	17832.000	21.56	25.76	47.32	54.00	6.68	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
Note: SRD High Channel 2462.5MHz QPSK 20M



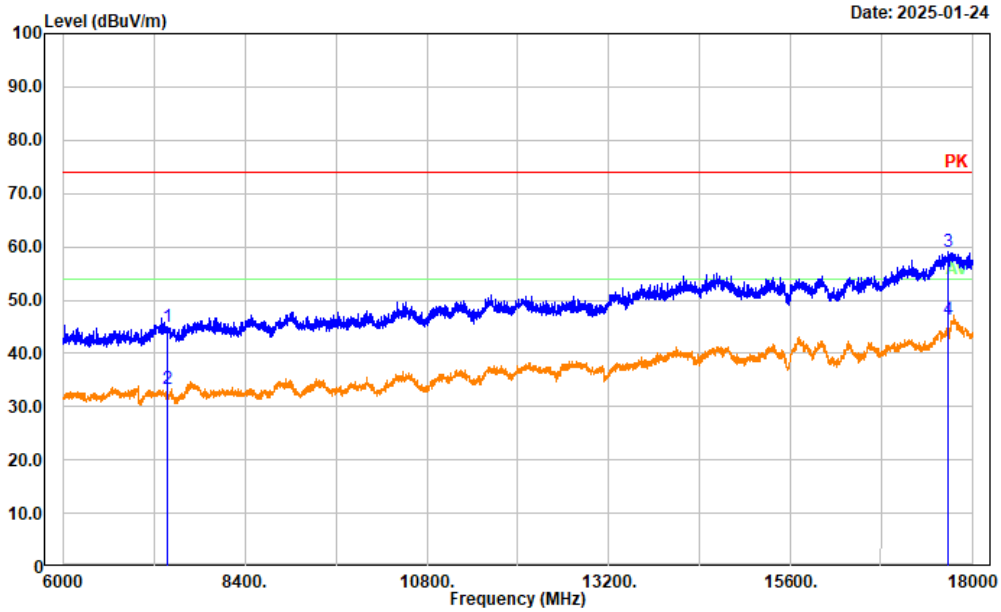
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	4925.000	39.62	8.98	48.60	74.00	25.40	Peak
2	4925.000	25.14	8.98	34.12	54.00	19.88	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: SRD High Channel 2462.5MHz QPSK 20M



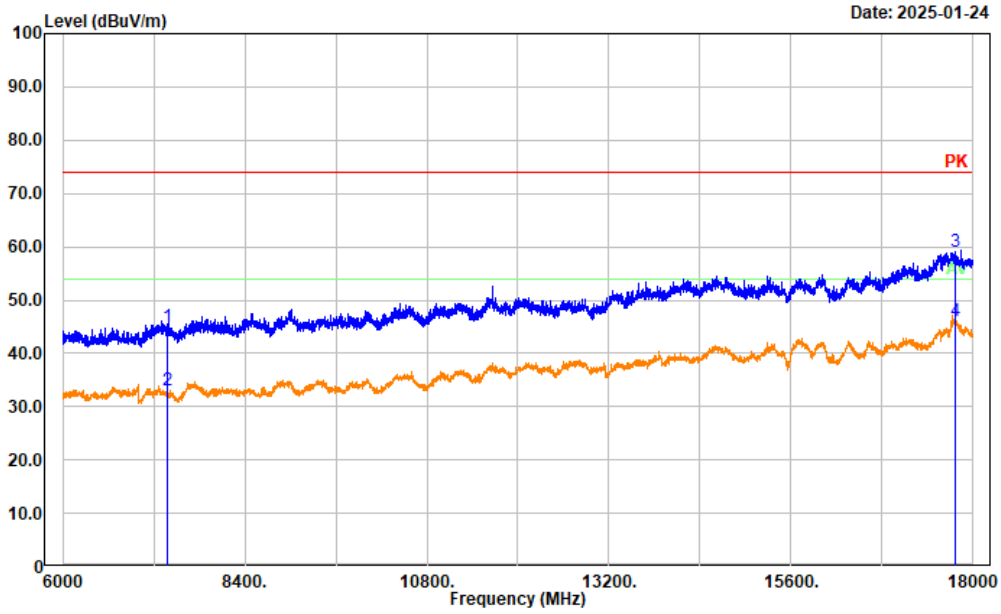
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	4925.000	37.47	8.98	46.45	74.00	27.55	Peak
2	4925.000	26.13	8.98	35.11	54.00	18.89	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: SRD High Channel 2462.5MHz QPSK 20M



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7387.500	33.48	11.50	44.98	74.00	29.02	Peak
2	7387.500	21.70	11.50	33.20	54.00	20.80	Average
3	17668.800	33.57	25.39	58.96	74.00	15.04	Peak
4	17668.800	20.96	25.39	46.35	54.00	7.65	Average

Project No.: 2503P42421E-RF
Tester: Coco Tian
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: SRD High Channel 2462.5MHz QPSK 20M



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
1	7387.500	33.62	11.50	45.12	74.00	28.88	Peak
2	7387.500	21.44	11.50	32.94	54.00	21.06	Average
3	17772.000	33.40	25.78	59.18	74.00	14.82	Peak
4	17772.000	20.35	25.78	46.13	54.00	7.87	Average

4.3 6 dB Emission Bandwidth:

Sample Number:	2XO4-1	Test Date:	2025/1/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li, Chin Qin	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.5	Relative Humidity: (%)	48	ATM Pressure: (kPa)	101.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/4/1	2025/3/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

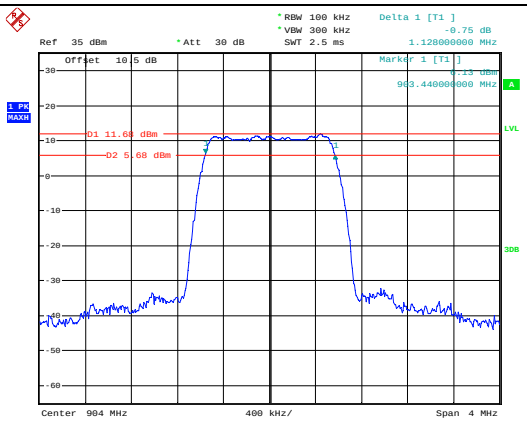
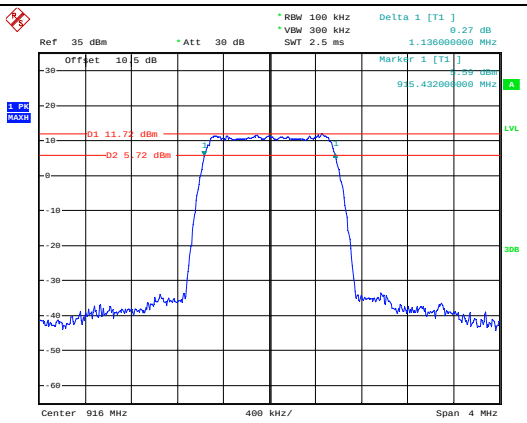
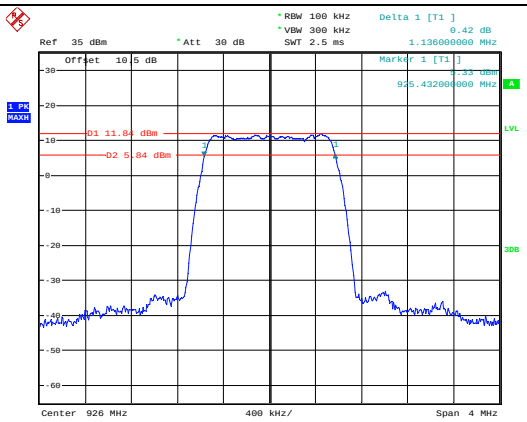
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

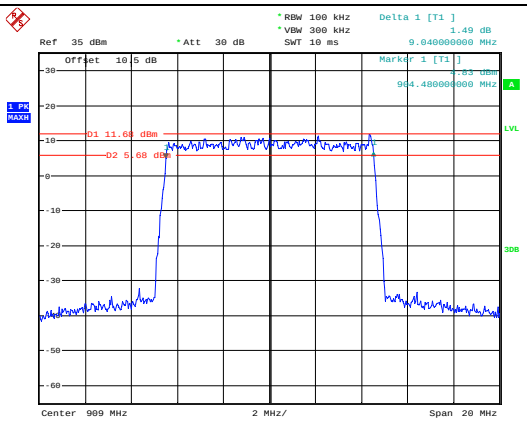
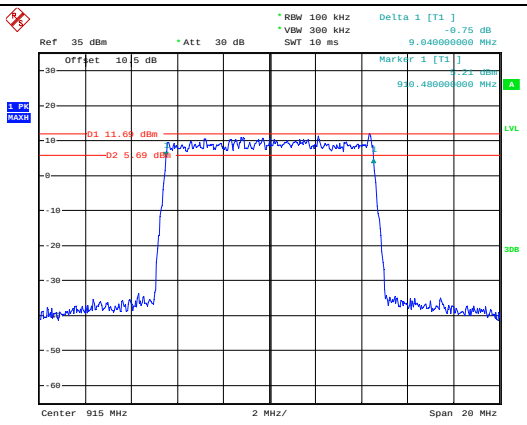
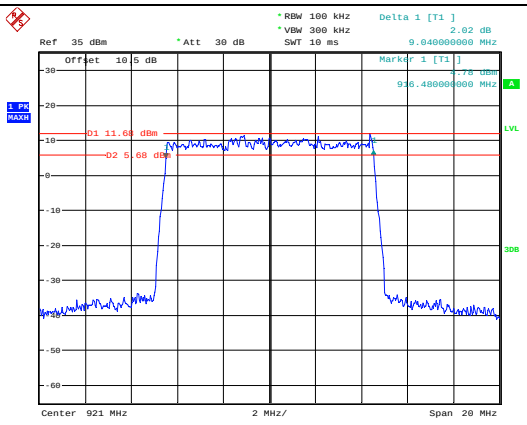
Test Data:

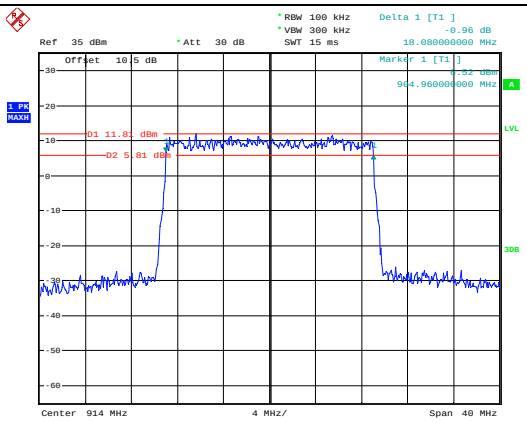
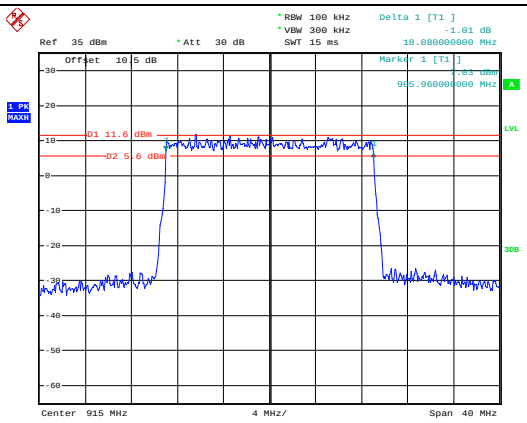
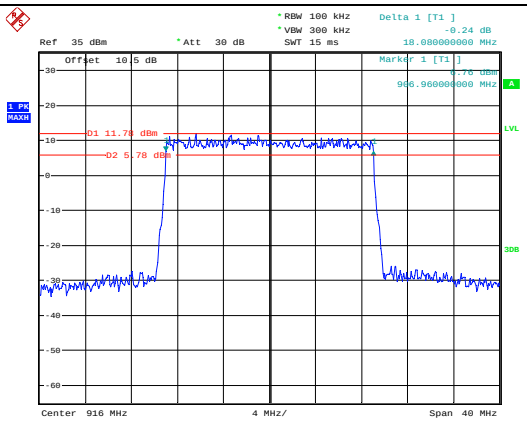
Note: test was performed at Chain 0.

Operation Bands	Test Modes	Test Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)
900MHz	1.4MHz QPSK	904	1.128	≥0.5
		916	1.136	≥0.5
		926	1.136	≥0.5
	10MHz QPSK	909	9.040	≥0.5
		915	9.040	≥0.5
		921	9.040	≥0.5
	20MHz QPSK	914	18.080	≥0.5
		915	18.080	≥0.5
		916	18.080	≥0.5
2.4GHz	1.4MHz QPSK	2403.5	1.136	≥0.5
		2439.5	1.131	≥0.5
		2475.5	1.126	≥0.5
	10MHz QPSK	2407.5	9.026	≥0.5
		2439.5	9.026	≥0.5
		2471.5	9.038	≥0.5
	20MHz QPSK	2412.5	18.141	≥0.5
		2437.5	18.141	≥0.5
		2462.5	18.205	≥0.5

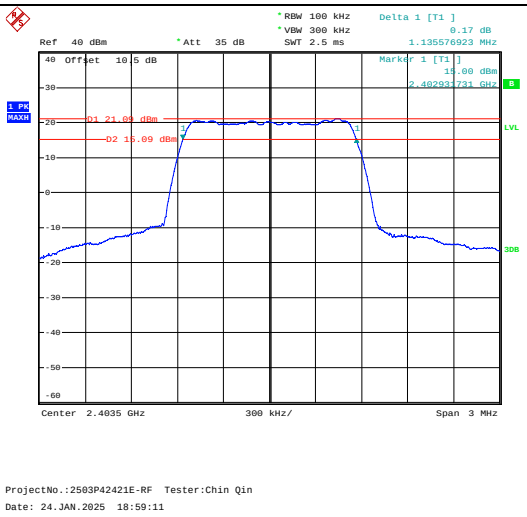
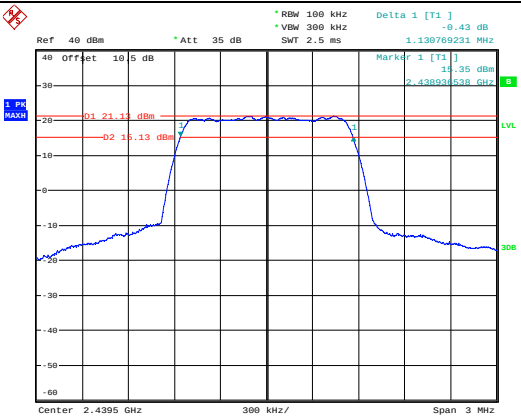
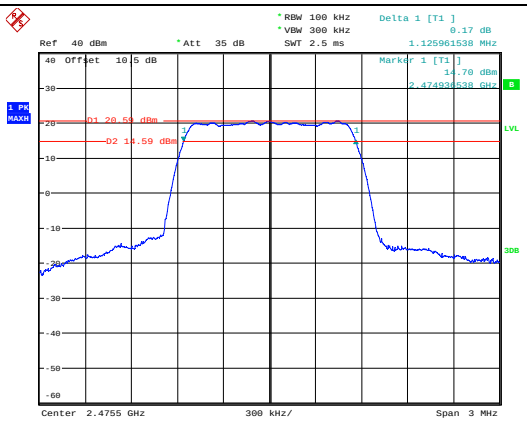
900MHz Band:

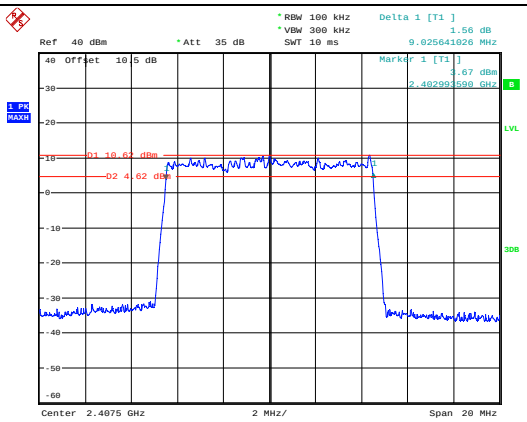
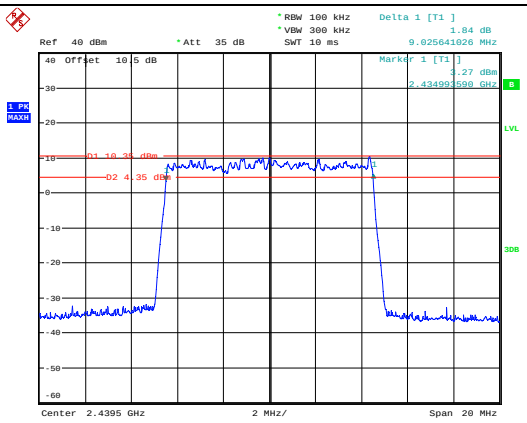
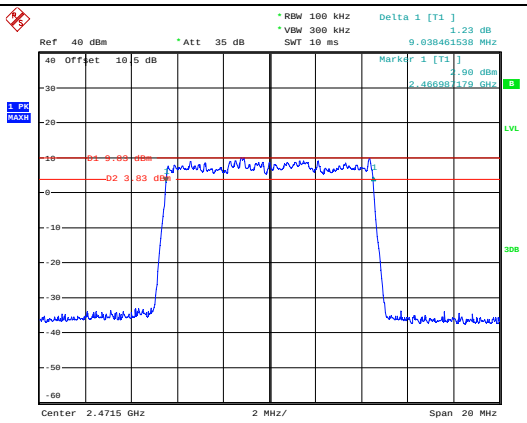
6dB Emission Bandwidth	
1.4MHz, QPSK Lowest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:35:19
1.4MHz, QPSK Middle Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:44:08
1.4MHz, QPSK Highest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:45:03

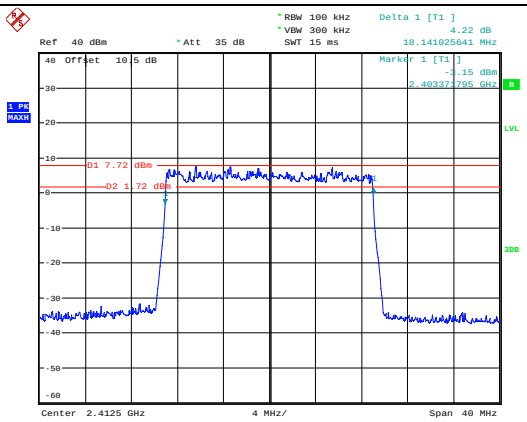
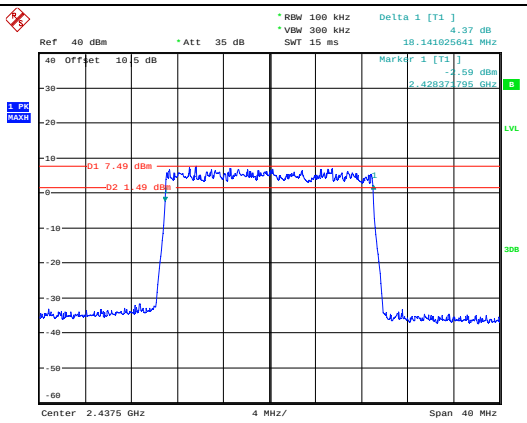
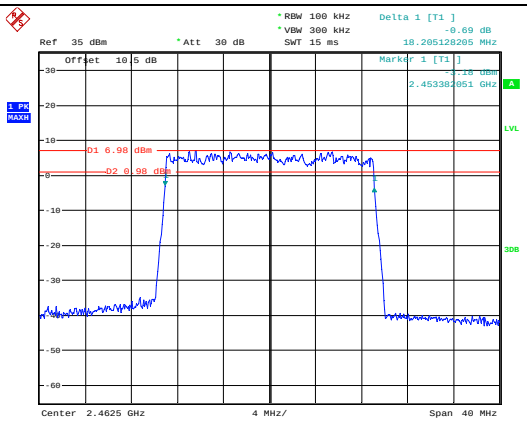
6dB Emission Bandwidth	
10MHz, QPSK Lowest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:49:46
10MHz, QPSK Middle Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:52:28
10MHz, QPSK Highest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:53:39

6dB Emission Bandwidth	
20MHz, QPSK Lowest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:58:47
20MHz, QPSK Middle Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 16:01:16
20MHz, QPSK Highest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 16:03:26

2.4GHz Band:

6dB Emission Bandwidth	
1.4MHz, QPSK Lowest Channel	
1.4MHz, QPSK Middle Channel	
1.4MHz, QPSK Highest Channel	

6dB Emission Bandwidth	
10MHz, QPSK Lowest Channel	
10MHz, QPSK Middle Channel	
10MHz, QPSK Highest Channel	

6dB Emission Bandwidth	
20MHz, QPSK Lowest Channel	
20MHz, QPSK Middle Channel	
20MHz, QPSK Highest Channel	

4.4 99% Occupied Bandwidth:

Sample Number:	2XO4-1	Test Date:	2025/1/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li, Chin Qin	Test Result:	N/A

Environmental Conditions:					
Temperature: (℃)	24.5	Relative Humidity: (%)	48	ATM Pressure: (kPa)	101.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

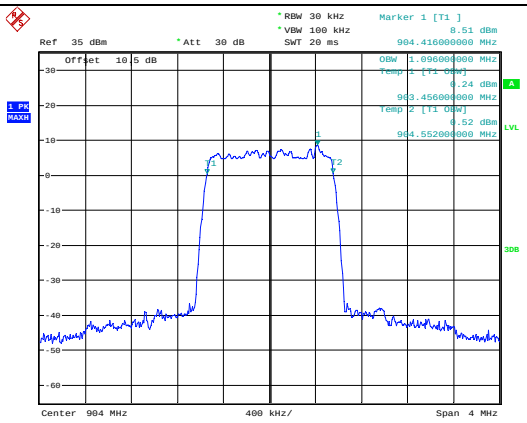
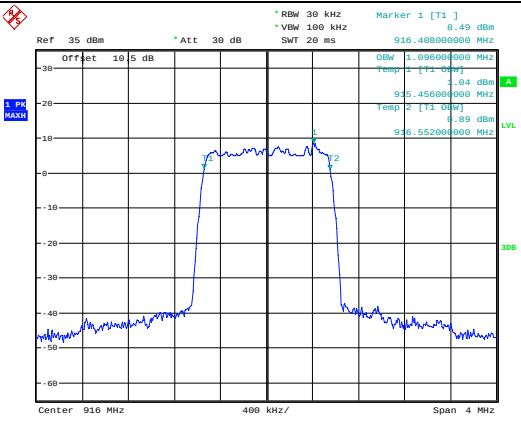
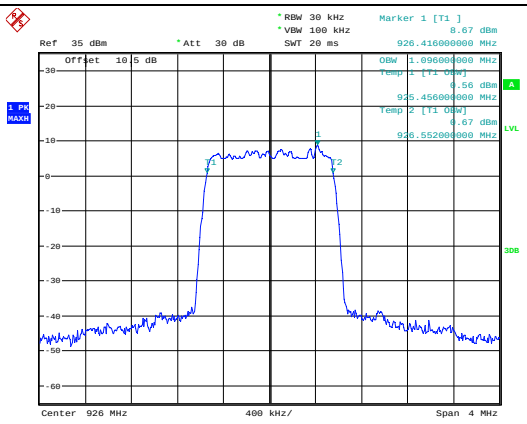
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

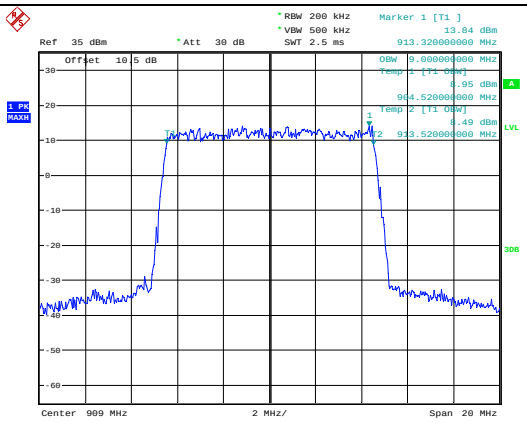
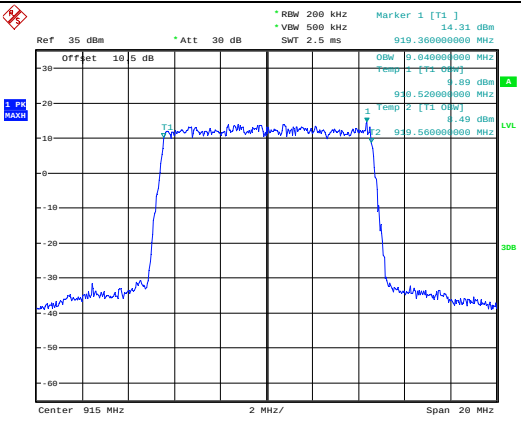
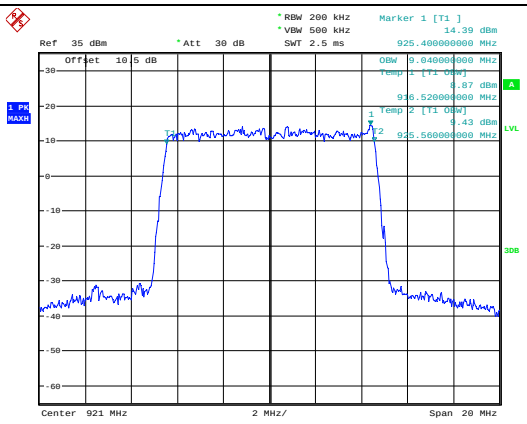
Test Data:

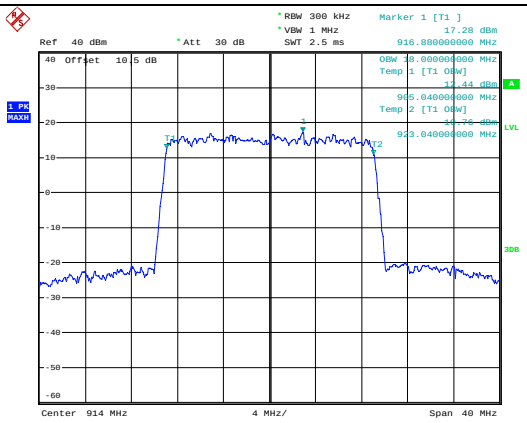
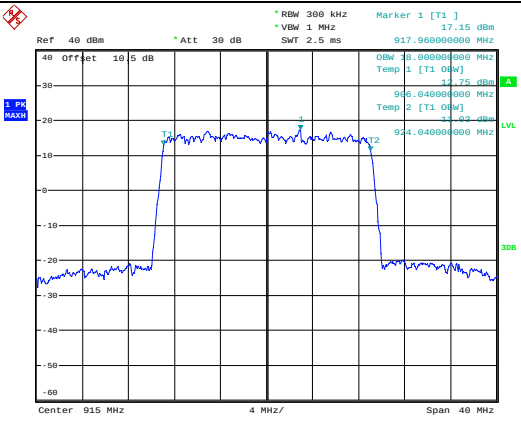
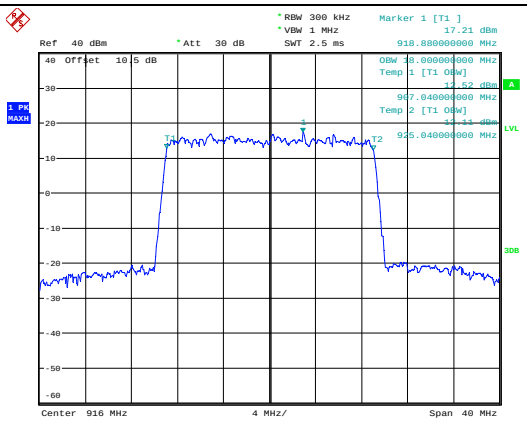
Note: test was performed at Chain 0

Operation Bands	Test Modes	Test Frequency (MHz)	99% Occupied Bandwidth (MHz)
900MHz	1.4MHz QPSK	904	1.096
		916	1.096
		926	1.096
	10MHz QPSK	909	9.000
		915	9.040
		921	9.040
	20MHz QPSK	914	18.000
		915	18.000
		916	18.000
2.4GHz	1.4MHz QPSK	2403.5	1.086
		2439.5	1.086
		2475.5	1.086
	10MHz QPSK	2407.5	8.960
		2439.5	8.960
		2471.5	8.960
	20MHz QPSK	2412.5	17.920
		2437.5	17.920
		2462.5	18.000

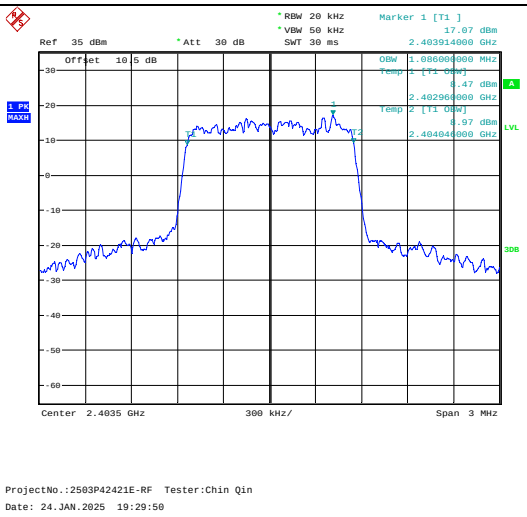
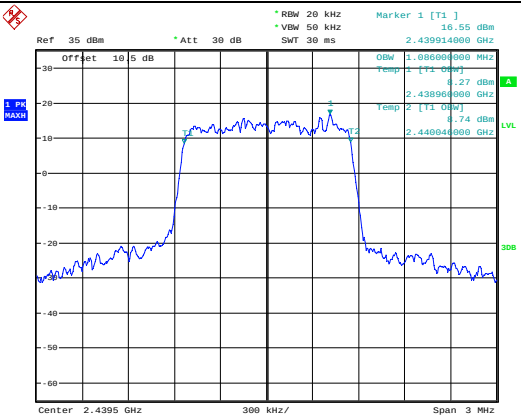
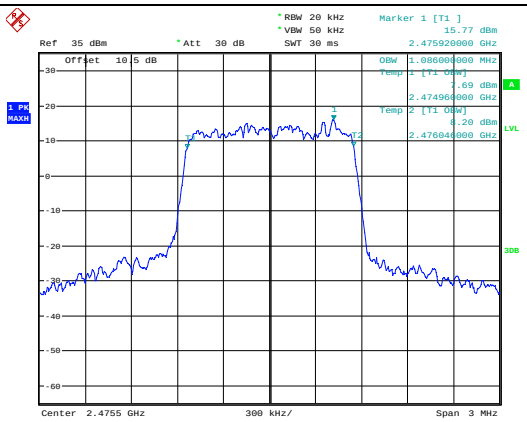
900MHz Band:

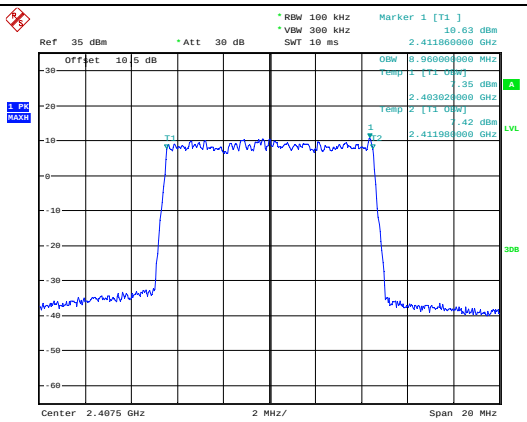
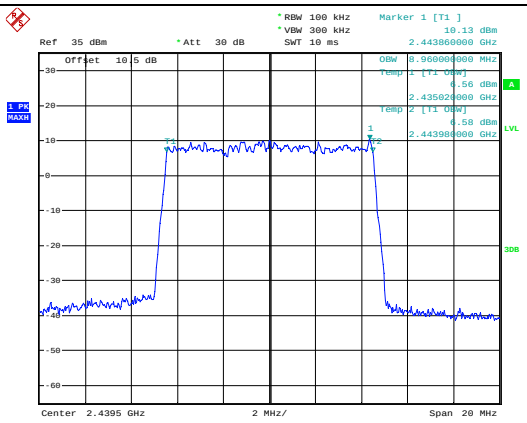
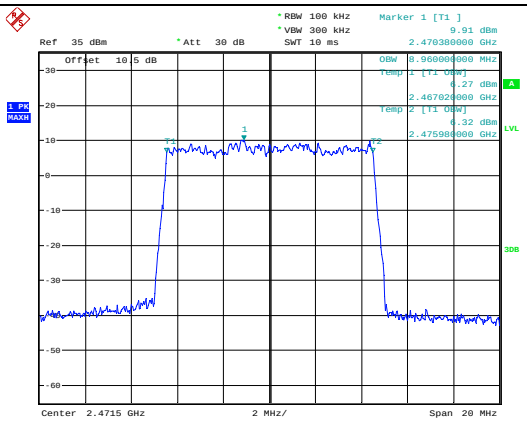
99% Occupied Bandwidth	
1.4MHz, QPSK Lowest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:35:32
1.4MHz, QPSK Middle Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:44:20
1.4MHz, QPSK Highest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:45:14

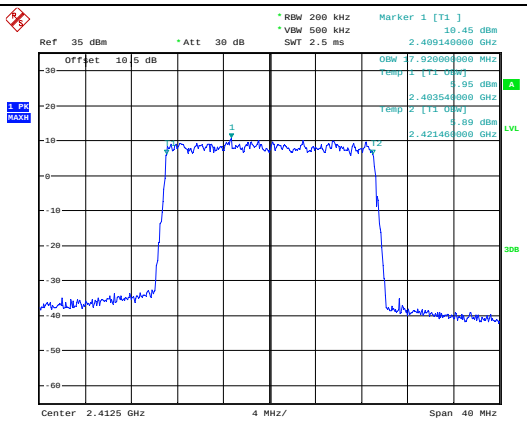
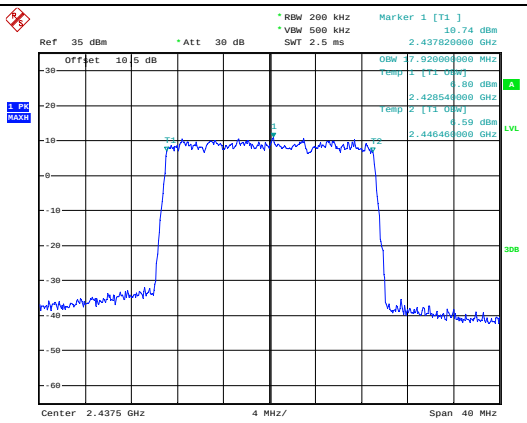
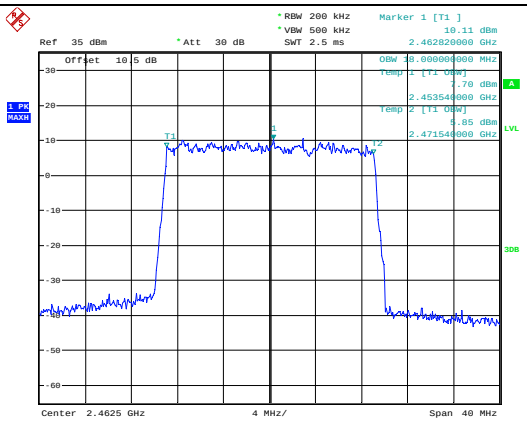
99% Occupied Bandwidth	
10MHz, QPSK Lowest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:50:00
10MHz, QPSK Middle Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:52:42
10MHz, QPSK Highest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 15:53:53

99% Occupied Bandwidth	
20MHz, QPSK Lowest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 16:24:10
20MHz, QPSK Middle Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 16:09:15
20MHz, QPSK Highest Channel	 ProjectNo.:2503P42421E-RF Tester:LingLing Li Date: 24.JAN.2025 16:08:23

2.4GHz Band:

99% Occupied Bandwidth	
1.4MHz, QPSK Lowest Channel	
1.4MHz, QPSK Middle Channel	
1.4MHz, QPSK Highest Channel	

99% Occupied Bandwidth	
10MHz, QPSK Lowest Channel	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 19:36:39
10MHz, QPSK Middle Channel	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 19:42:18
10MHz, QPSK Highest Channel	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 19:45:01

99% Occupied Bandwidth	
20MHz, QPSK Lowest Channel	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 19:51:43
20MHz, QPSK Middle Channel	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 19:53:34
20MHz, QPSK Highest Channel	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 20:05:29

4.5 Maximum Conducted Output Power

Sample Number:	2XO4-1	Test Date:	2025/1/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li, Chin Qin	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.5	Relative Humidity: (%)	48	ATM Pressure: (kPa)	101.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A
Anritsu	Power Meter	ML2495A	1106009	2024/08/03	2025/08/02
Anritsu	Pulse Power Sensor	MA2411A	10780	2024/08/03	2025/08/02
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	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:

900MHz Band:

Test Modes	Test Frequency (MHz)	Maximum Conducted Average Output Power (dBm)			Limit (dBm)
		Chain 0	Chain 1	Total	
1.4MHz QPSK	904	13.45	14.24	16.87	30
	916	13.5	14.47	17.02	30
	926	13.63	14.41	17.05	30
10MHz QPSK	909	19.22	20.43	22.88	30
	915	19.3	20.5	22.95	30
	921	19.38	20.53	23.00	30
20MHz QPSK	914	22.87	24.14	26.56	30
	915	22.89	24.08	26.54	30
	916	22.99	24.13	26.61	30
Note: The system supports 2T2R CDD modes. Per KDB 662911 D01 Multiple Transmitter Output v02r01: Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.					
Max Antenna Gain:	0.3	dBi	Directional gain:	0.3	dBi

2.4GHz band:

Test Modes	Test Frequency (MHz)	Maximum Conducted Average Output Power (dBm)			Limit (dBm)
		Chain 0	Chain 1	Total	
1.4MHz QPSK	2403.5	24.56	23.48	27.06	30
	2439.5	23.66	23.62	26.65	30
	2475.5	21.51	22.90	25.27	30
10MHz QPSK	2407.5	19.77	19.70	22.75	30
	2439.5	19.15	19.09	22.13	30
	2471.5	18.17	18.76	21.49	30
20MHz QPSK	2412.5	19.37	19.35	22.37	30
	2437.5	19.68	19.66	22.68	30
	2462.5	19.05	19.07	22.07	30
Note: The system supports 2T2R CDD modes. Per KDB 662911 D01 Multiple Transmitter Output v02r01: Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.					
Max Antenna Gain:	1.9	dBi	Directional gain:	1.9	dBi

4.6 Maximum Power Spectral Density

Sample Number:	2XO4-1	Test Date:	2025/1/24~2025/2/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li, Chin Qin	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.5~24.8	Relative Humidity: (%)	48~55	ATM Pressure: (kPa)	101.2~

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	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:

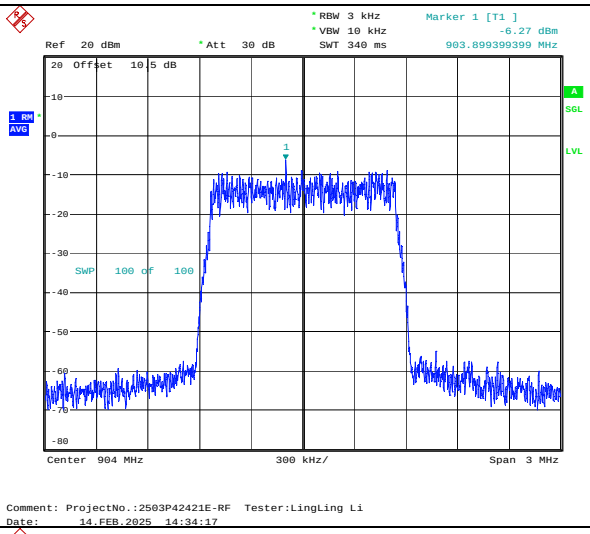
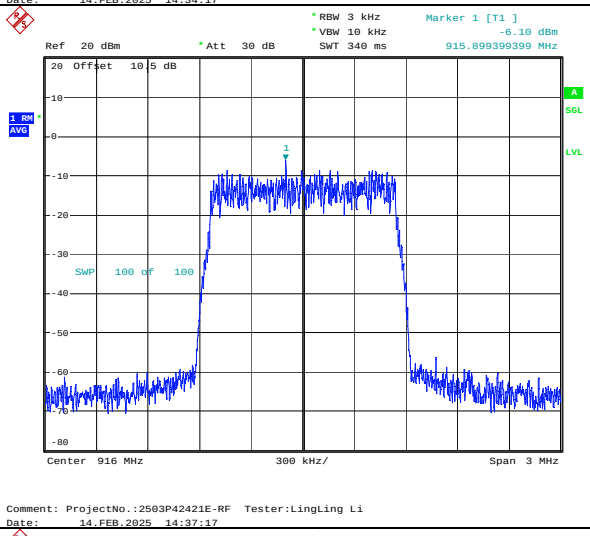
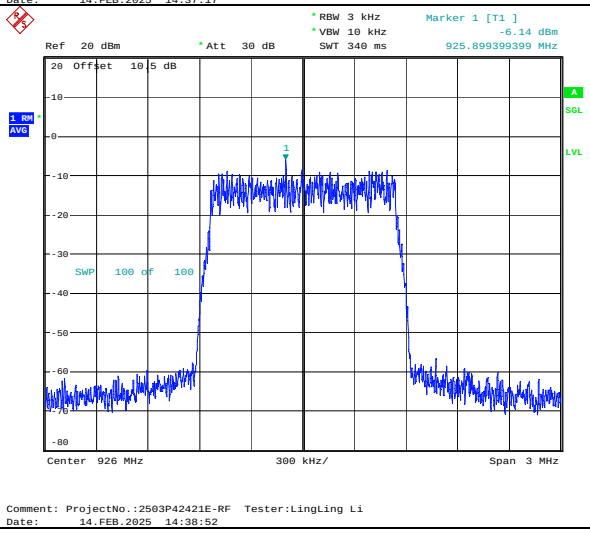
900MHz Band:

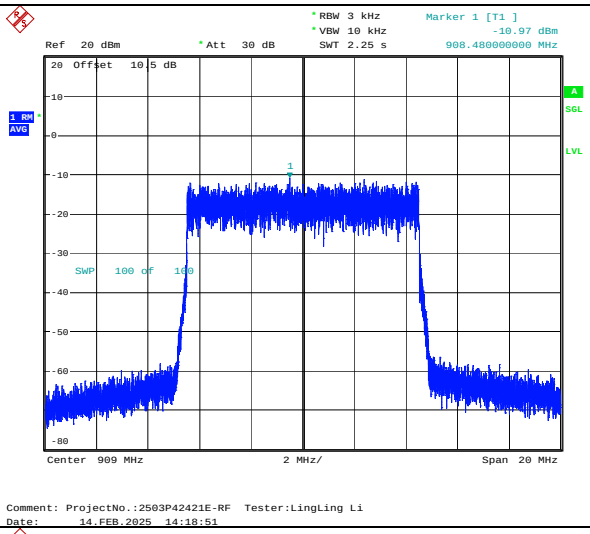
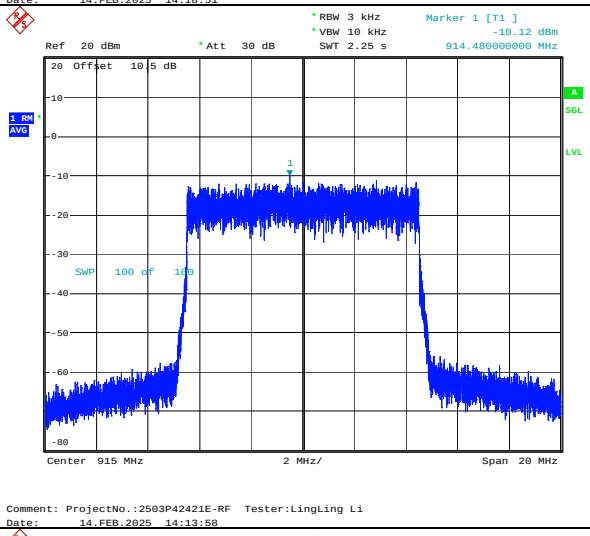
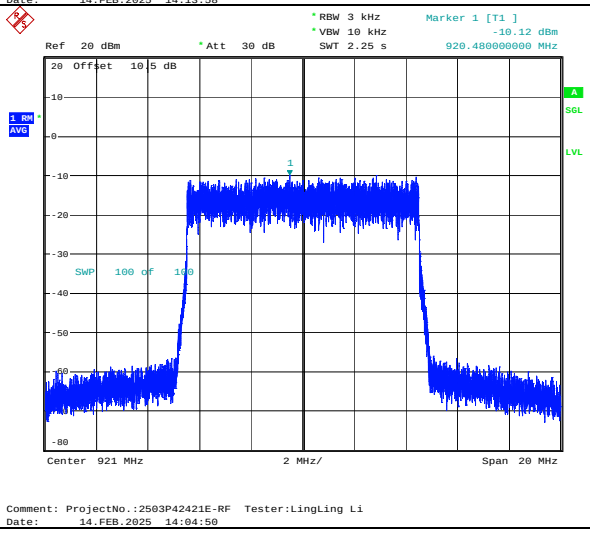
Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)			Limit (dBm/3kHz)
		Chain 0	Chain 1	Total	
1.4MHz QPSK	904	-6.27	-5.07	-2.62	8
	916	-6.10	-4.94	-2.47	8
	926	-6.14	-4.87	-2.45	8
10MHz QPSK	909	-10.97	-9.58	-7.21	8
	915	-10.12	-8.96	-6.49	8
	921	-10.12	-10.12	-7.11	8
20MHz QPSK	914	-9.71	-8.51	-6.06	8
	915	-9.96	-8.68	-6.26	8
	916	-9.95	-8.71	-6.28	8
Note: The system supports 2T2R CDD modes. Per KDB 662911 D01 Multiple Transmitter Output v02r01: Array Gain = 10 log(N_{ANT}/N_{SS}) dB.					
Antenna Gain:	0.3	dBi	Directional gain:	3.3	dBi

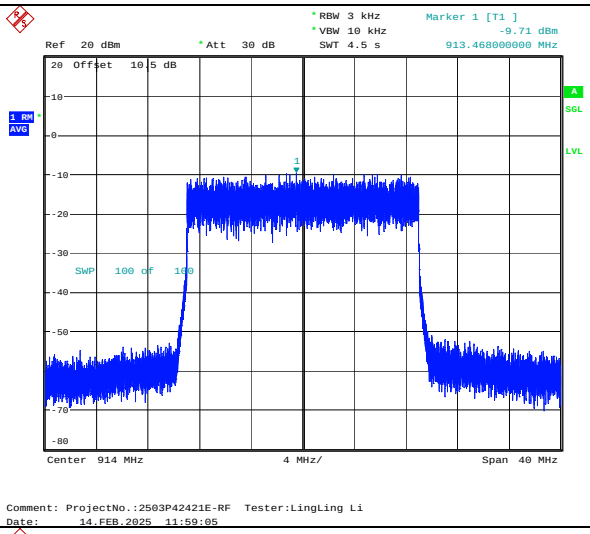
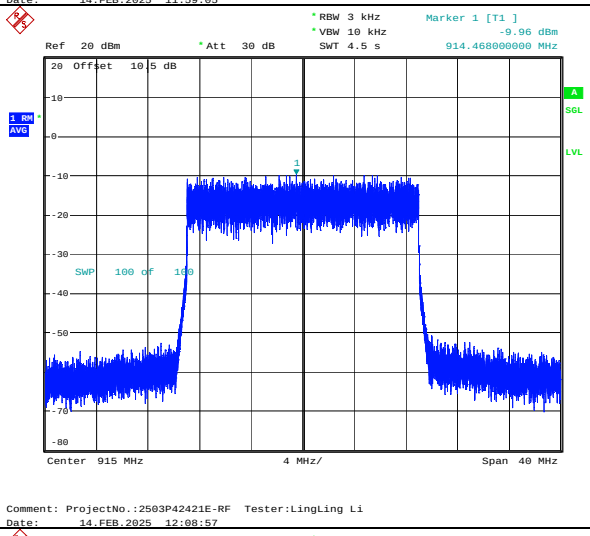
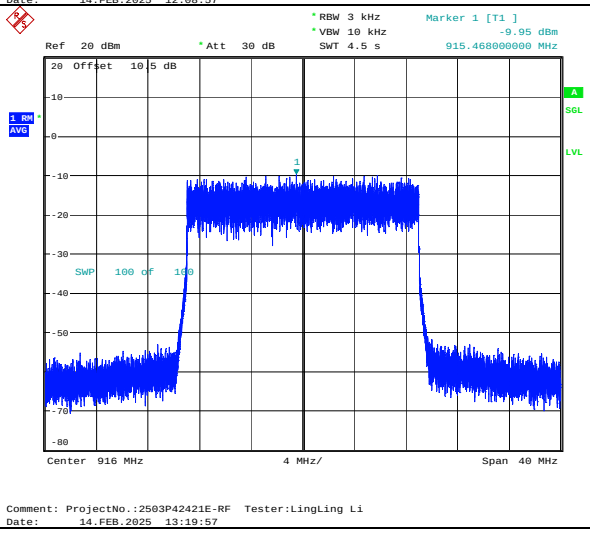
2.4GHz band:

Test Modes	Test Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)			Limit (dBm/3kHz)
		Chain 0	Chain 1	Total	
1.4MHz QPSK	2403.5	4.21	4.11	7.17	8
	2439.5	3.62	4.76	7.24	8
	2475.5	2.22	3.29	5.80	8
10MHz QPSK	2407.5	-8.86	-9.31	-6.07	8
	2439.5	-10.80	-10.80	-7.79	8
	2471.5	-11.55	-11.12	-8.32	8
20MHz QPSK	2412.5	-12.45	-12.98	-9.70	8
	2437.5	-12.23	-12.40	-9.30	8
	2462.5	-13.16	-12.79	-9.96	8
Note: The system supports 2T2R CDD modes. Per KDB 662911 D01 Multiple Transmitter Output v02r01: Array Gain = 10 log(N_{ANT}/N_{SS}) dB.					
Antenna Gain:	1.9	dBi	Directional gain:	4.9	dBi

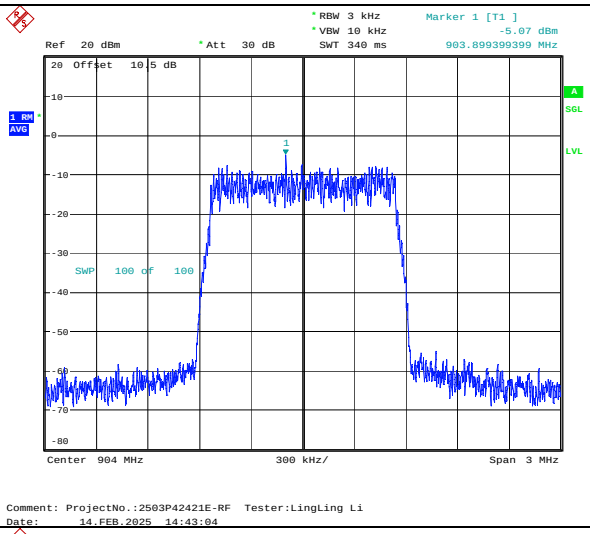
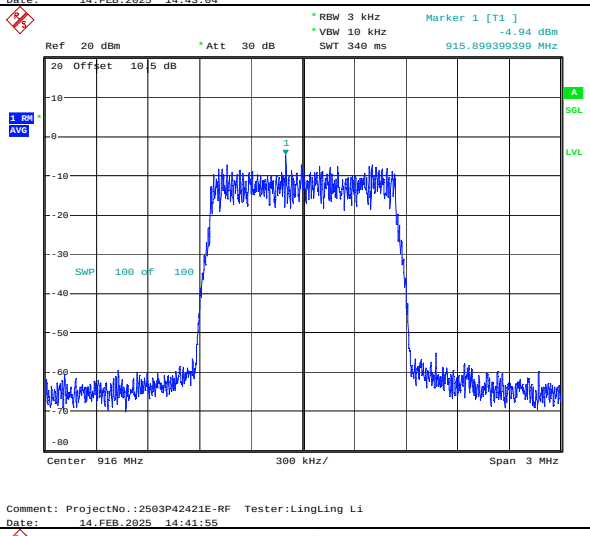
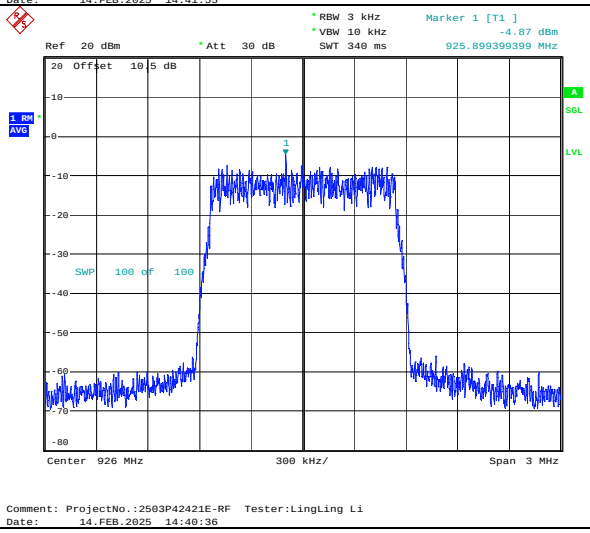
900MHz Band:
Chain 0

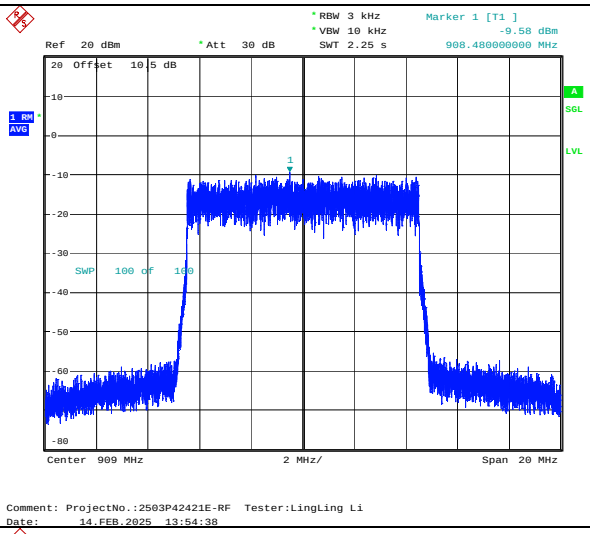
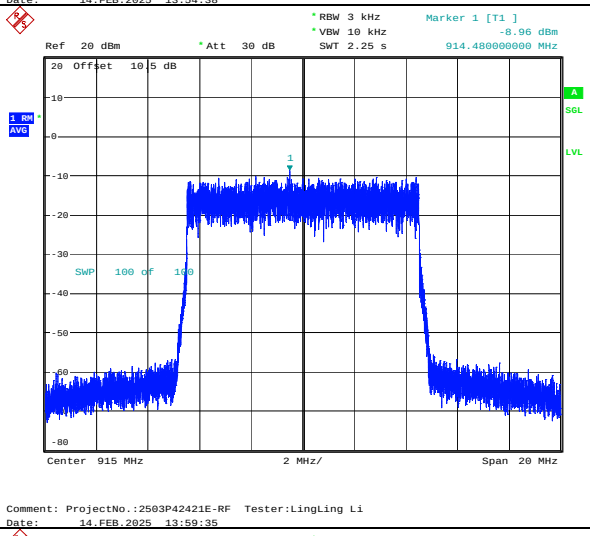
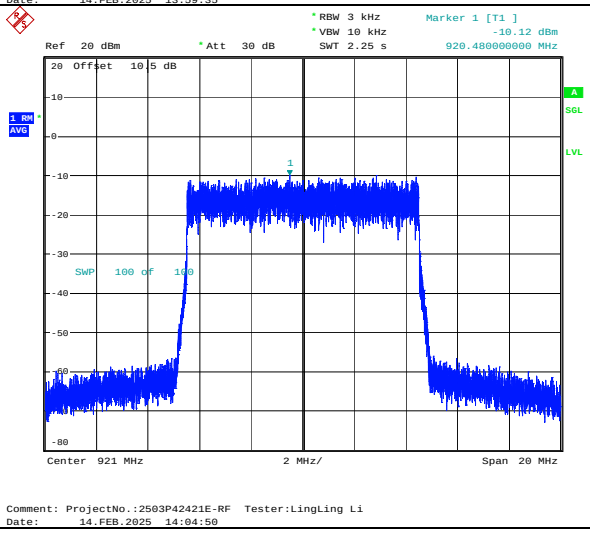
Power Spectral Density	
1.4MHz, QPSK Lowest Channel	
1.4MHz, QPSK Middle Channel	
1.4MHz, QPSK Highest Channel	

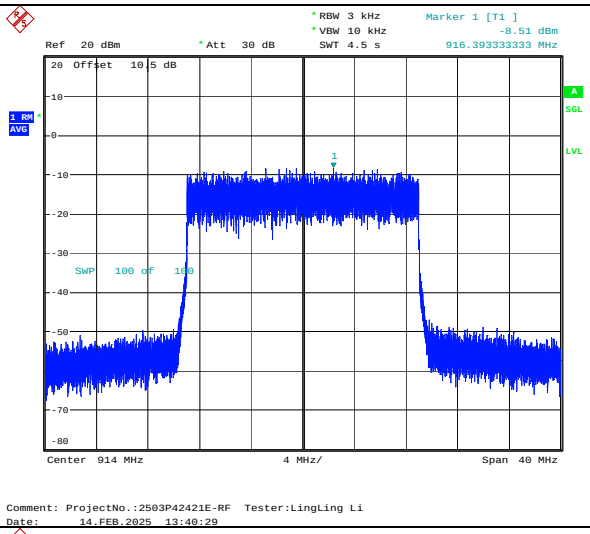
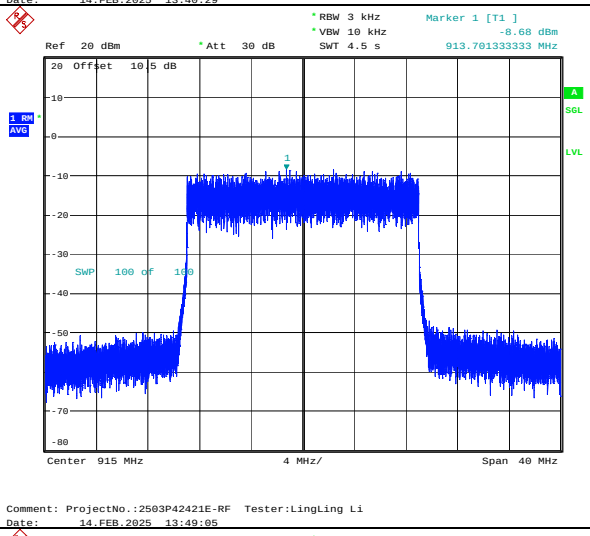
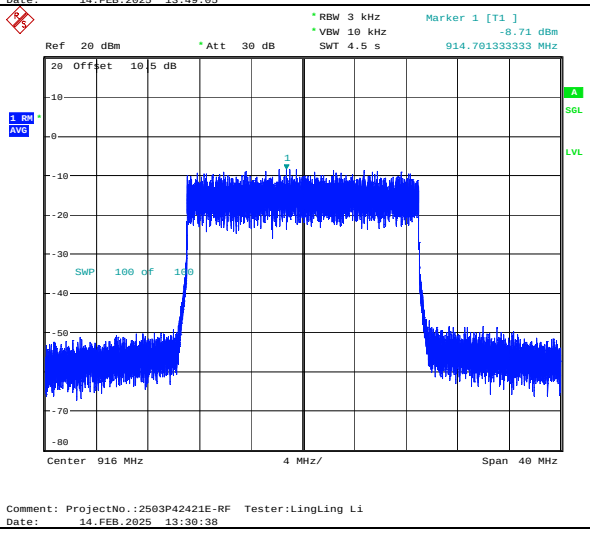
Power Spectral Density	
10MHz, QPSK Lowest Channel	
10MHz, QPSK Middle Channel	
10MHz, QPSK Highest Channel	

Power Spectral Density	
20MHz, QPSK Lowest Channel	
20MHz, QPSK Middle Channel	
20MHz, QPSK Highest Channel	

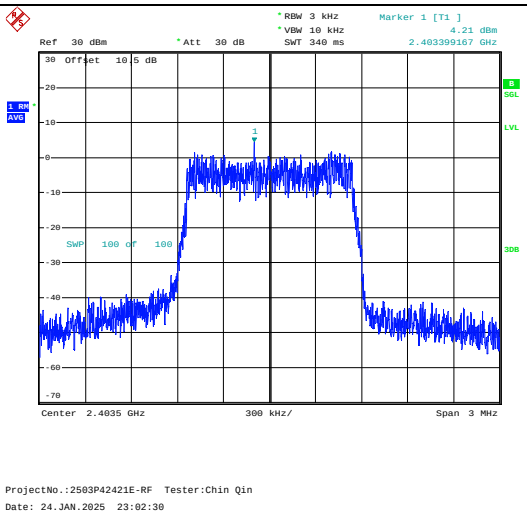
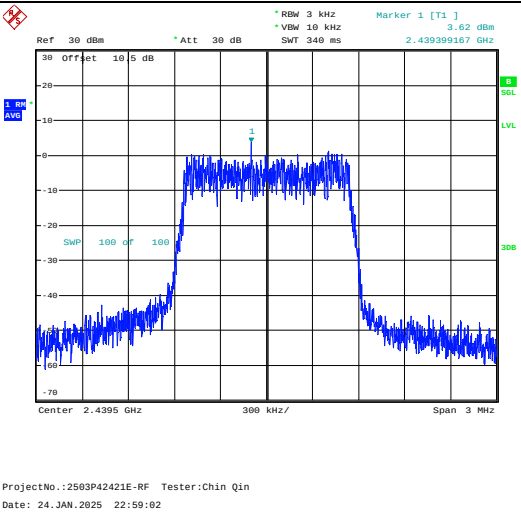
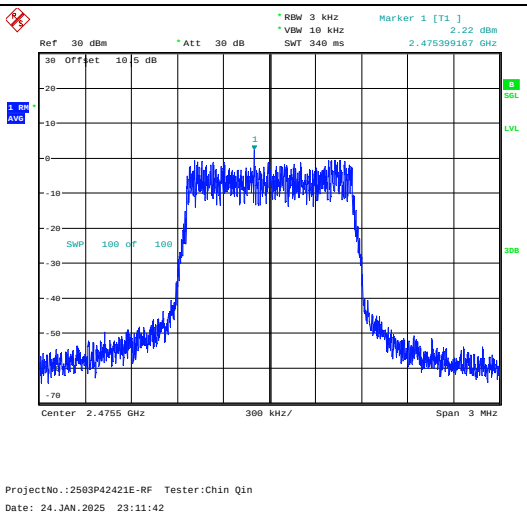
Chain 1

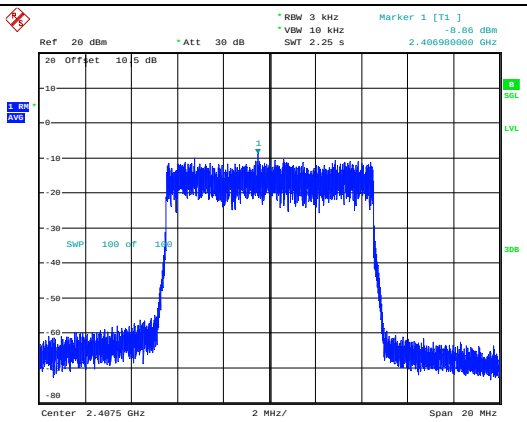
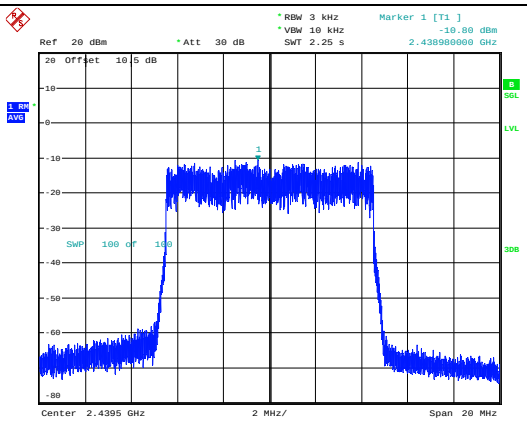
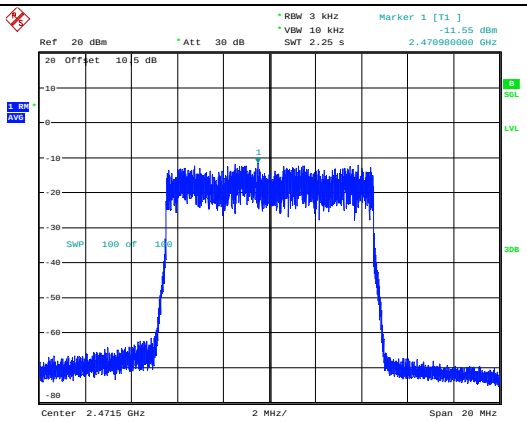
Power Spectral Density	
1.4MHz, QPSK Lowest Channel	
1.4MHz, QPSK Middle Channel	
1.4MHz, QPSK Highest Channel	

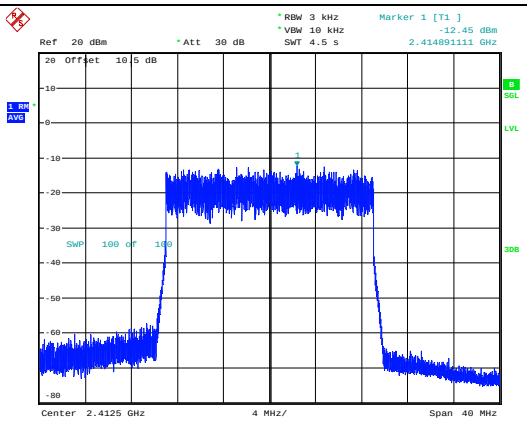
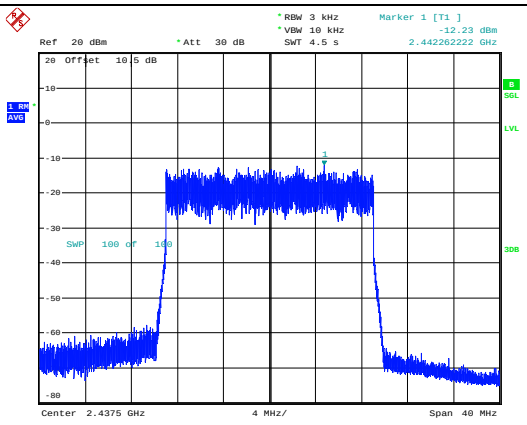
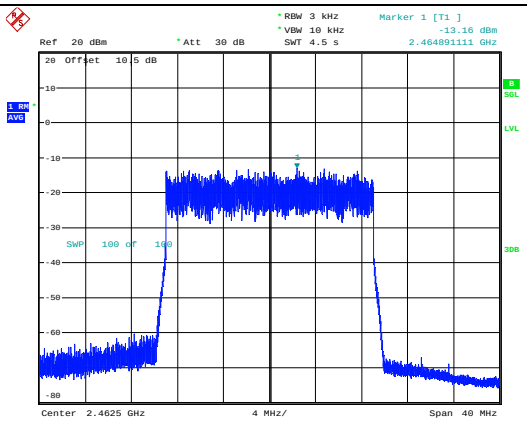
Power Spectral Density	
10MHz, QPSK Lowest Channel	
10MHz, QPSK Middle Channel	
10MHz, QPSK Highest Channel	

Power Spectral Density	
20MHz, QPSK Lowest Channel	
20MHz, QPSK Middle Channel	
20MHz, QPSK Highest Channel	

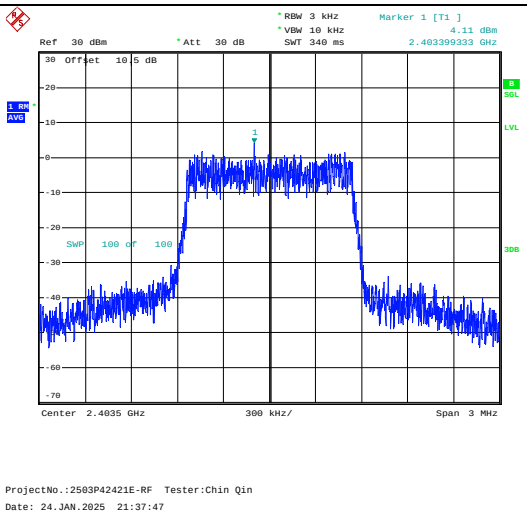
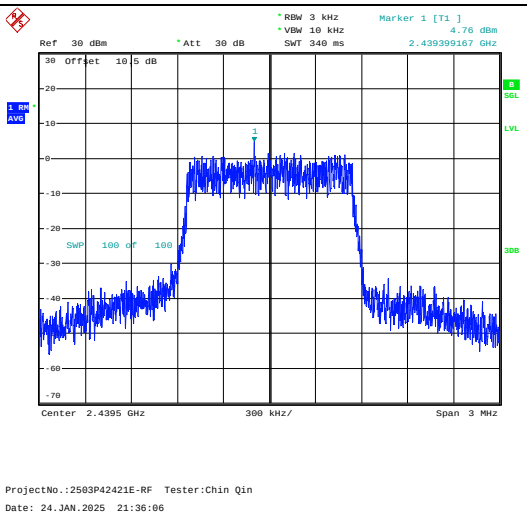
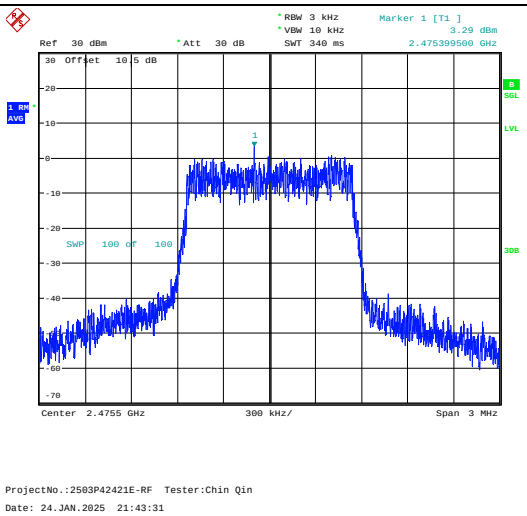
2.4GHz Band:
Chain 0

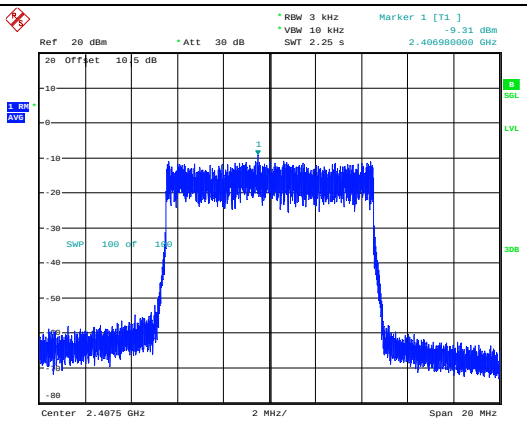
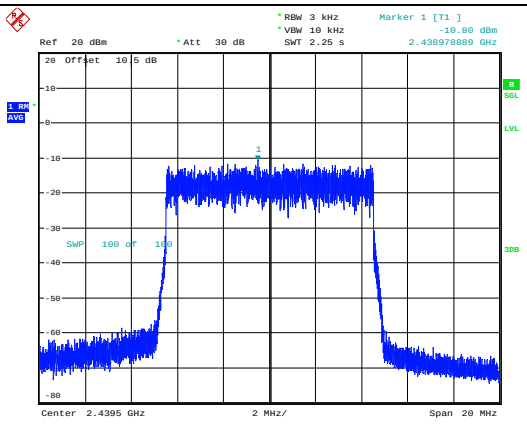
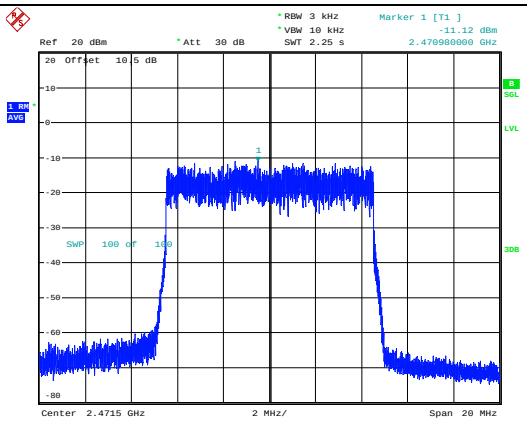
Power Spectral Density	
1.4MHz, QPSK 2403.5MHz	
1.4MHz, QPSK 2439.5MHz	
1.4MHz, QPSK 2475.5MHz	

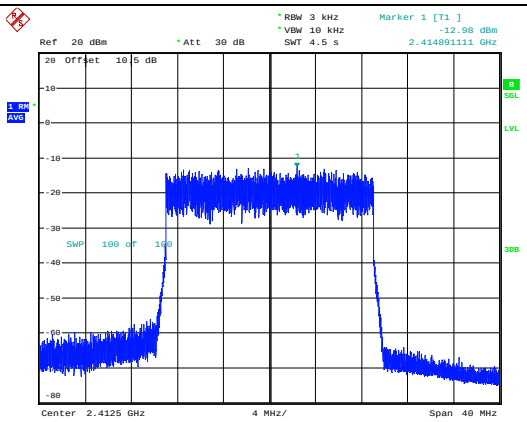
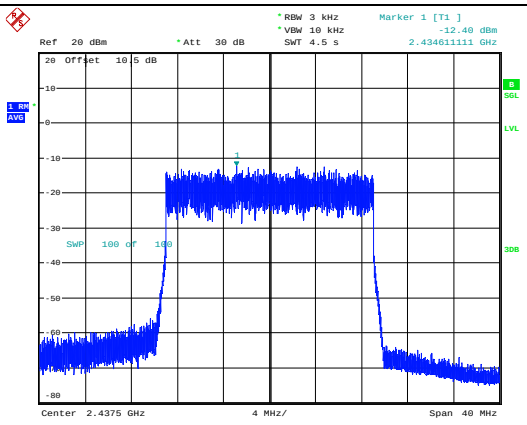
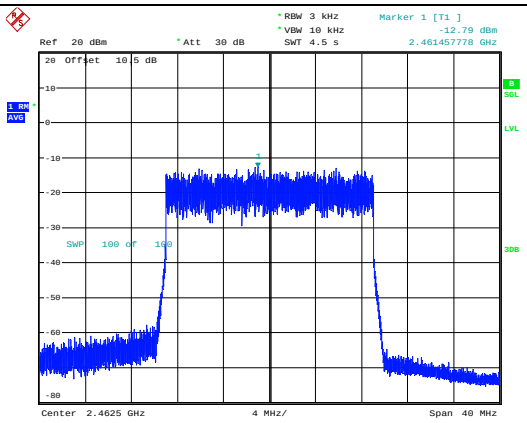
Power Spectral Density	
10MHz, QPSK 2407.5MHz	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 22:34:43
10MHz, QPSK 2439.5MHz	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 22:54:42
10MHz, QPSK 2471.5MHz	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 22:49:21

Power Spectral Density	
20MHz, QPSK 2412.5MHz	
20MHz, QPSK 2437.5MHz	
20MHz, QPSK 2462.5MHz	

Chain 1:

Power Spectral Density	
1.4MHz, QPSK 2403.5MHz	
1.4MHz, QPSK 2439.5MHz	
1.4MHz, QPSK 2475.5MHz	

Power Spectral Density	
10MHz, QPSK 2407.5MHz	
10MHz, QPSK 2439.5MHz	
10MHz, QPSK 2471.5MHz	

Power Spectral Density	
20MHz, QPSK 2412.5MHz	
20MHz, QPSK 2437.5MHz	
20MHz, QPSK 2462.5MHz	

4.7 100 kHz Bandwidth of Frequency Band Edge

Sample Number:	2XO4-1	Test Date:	2025/1/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li, Chin Qin	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.5	Relative Humidity: (%)	48	ATM Pressure: (kPa)	101.2

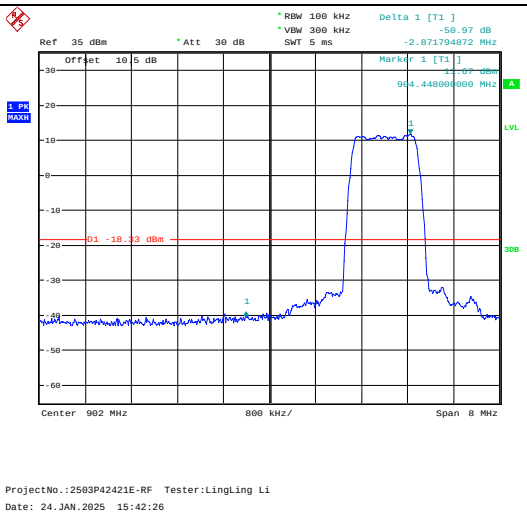
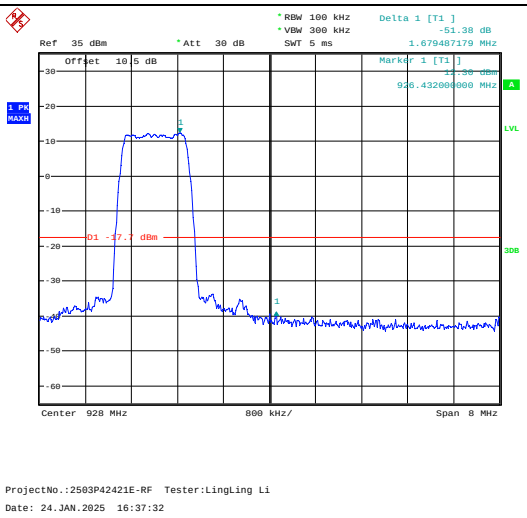
Test Equipment List and Details:

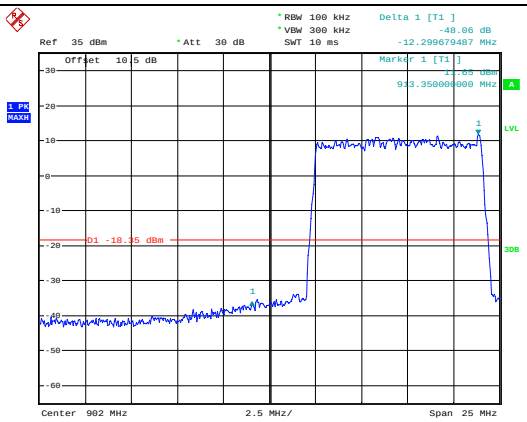
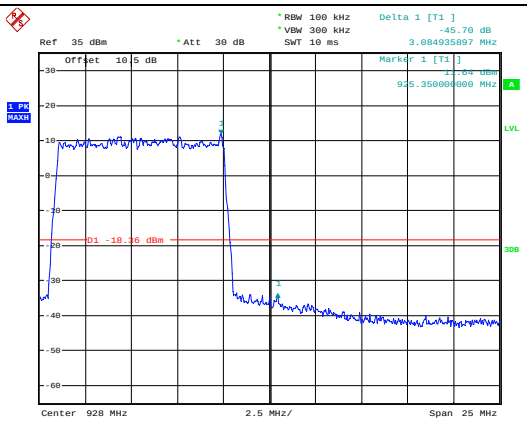
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

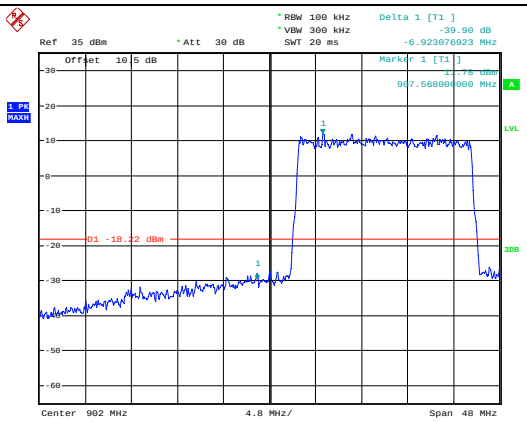
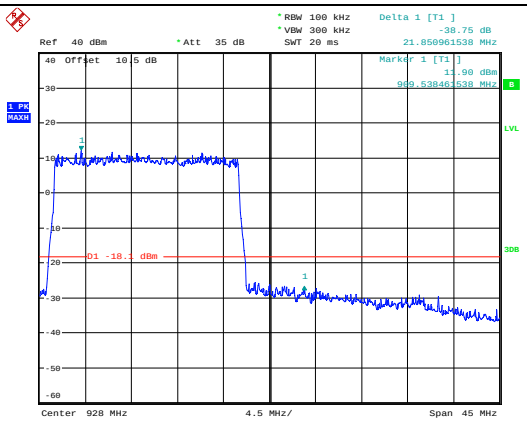
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

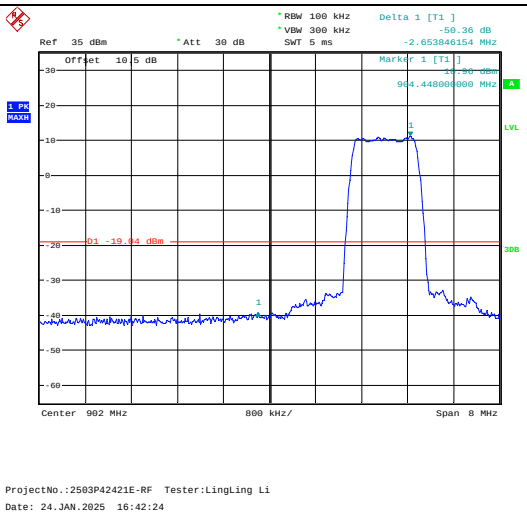
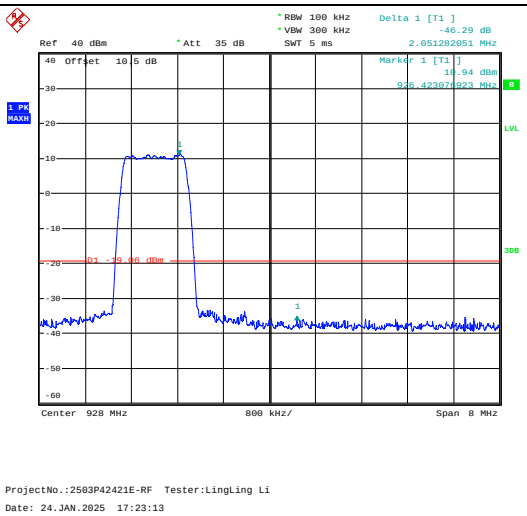
900MHz Band:
Chain 0:

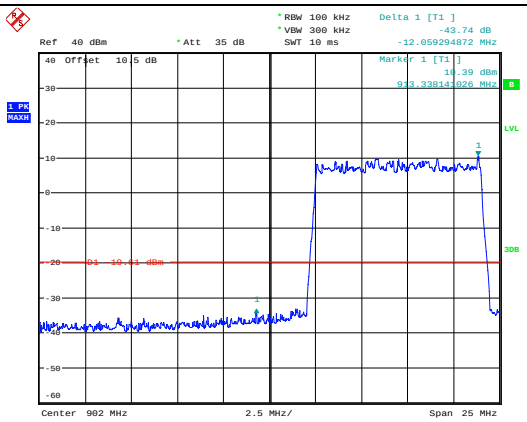
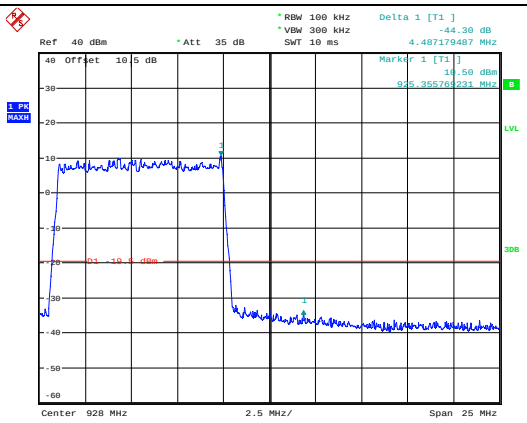
100 kHz Bandwidth of Frequency Band Edge	
1.4MHz, QPSK Lowest Band edge	
1.4MHz, QPSK Highest Band edge	

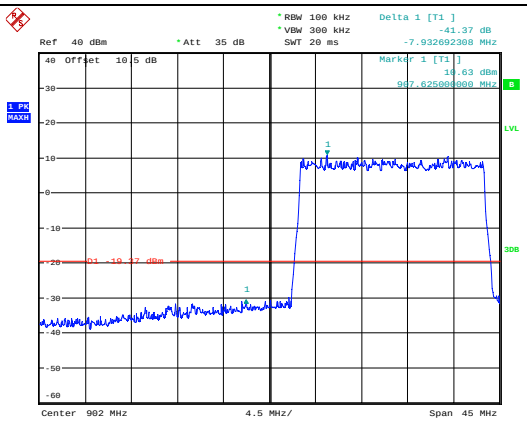
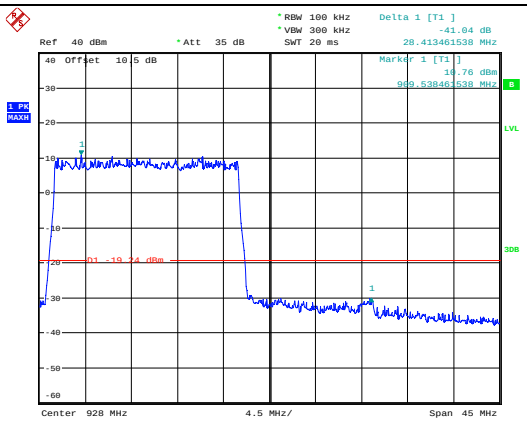
100 kHz Bandwidth of Frequency Band Edge	
10MHz, QPSK Lowest Band edge	
10MHz, QPSK Highest Band edge	

100 kHz Bandwidth of Frequency Band Edge	
20MHz, QPSK Lowest Band edge	
20MHz, QPSK Highest Band edge	

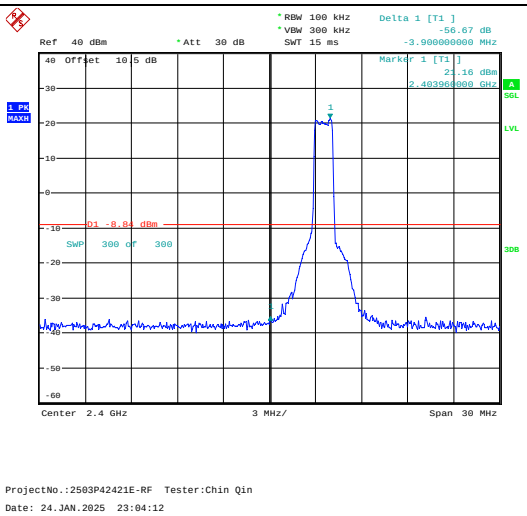
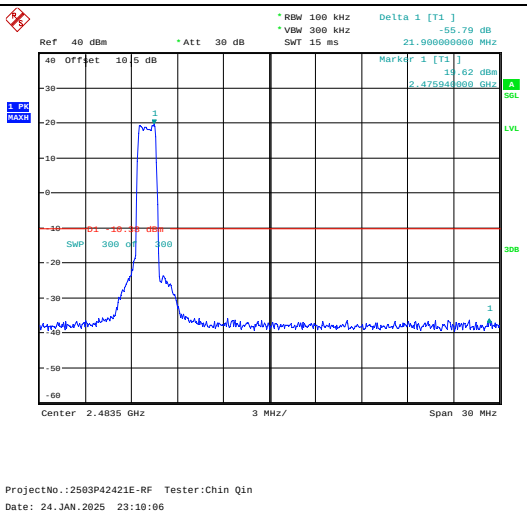
Chain 1:

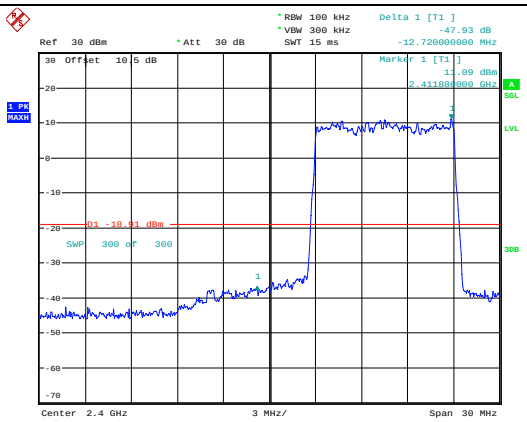
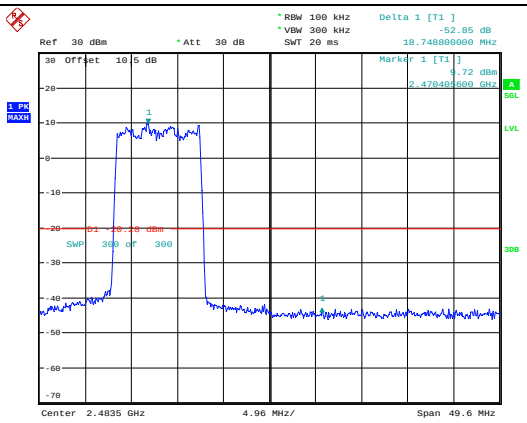
100 kHz Bandwidth of Frequency Band Edge	
1.4MHz, QPSK Lowest Band edge	
1.4MHz, QPSK Highest Band edge	

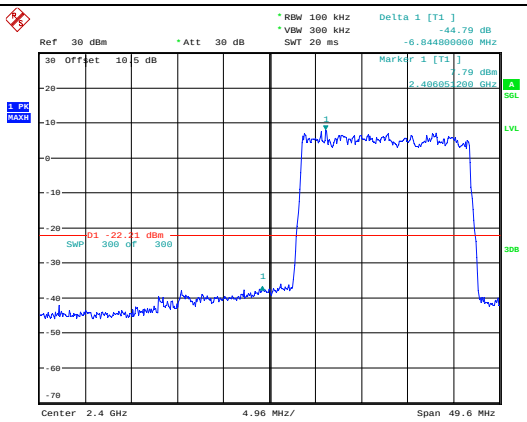
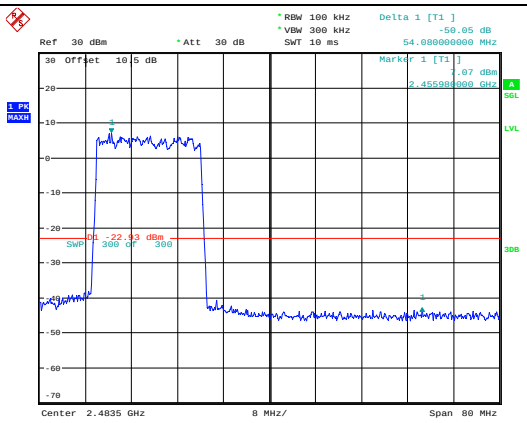
100 kHz Bandwidth of Frequency Band Edge	
10MHz, QPSK Lowest Band edge	
10MHz, QPSK Highest Band edge	

100 kHz Bandwidth of Frequency Band Edge	
20MHz, QPSK Lowest Band edge	
20MHz, QPSK Highest Band edge	

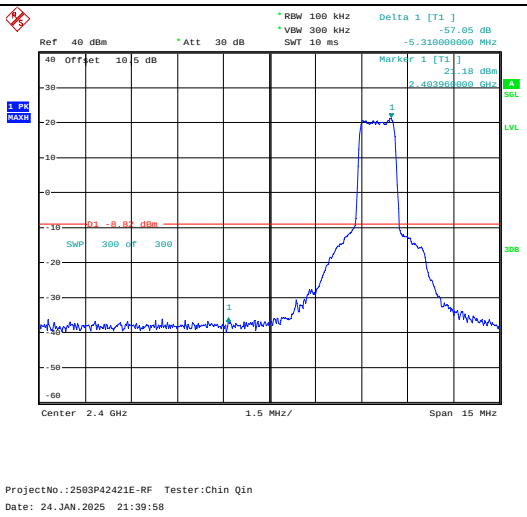
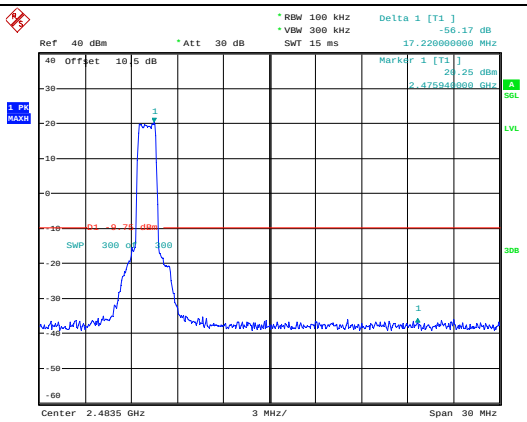
2.4GHz Band:
Chain 0

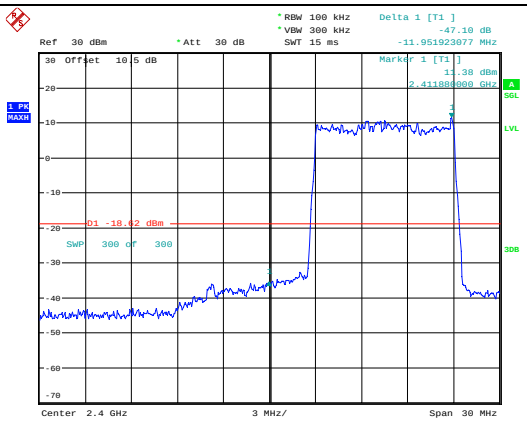
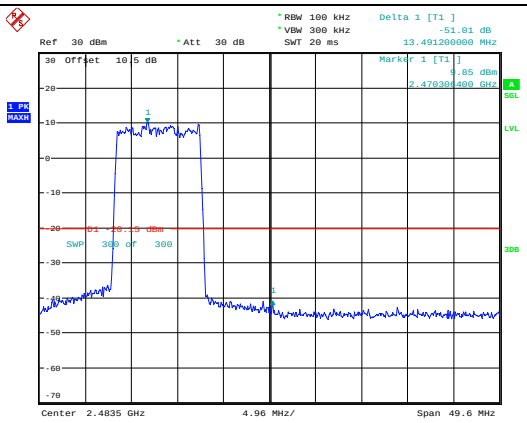
100 kHz Bandwidth of Frequency Band Edge	
1.4MHz, QPSK Lowest Band edge	
1.4MHz, QPSK Highest Band edge	

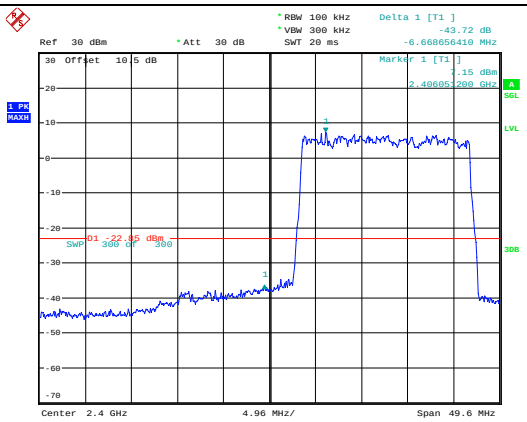
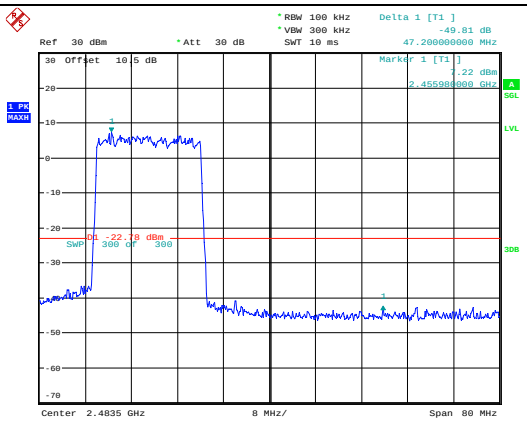
100 kHz Bandwidth of Frequency Band Edge	
10MHz, QPSK Lowest Band edge	
10MHz, QPSK Highest Band edge	

100 kHz Bandwidth of Frequency Band Edge	
20MHz, QPSK Lowest Band edge	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 22:13:20
20MHz, QPSK Highest Band edge	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 22:11:14

Chain 1:

100 kHz Bandwidth of Frequency Band Edge	
1.4MHz, QPSK Lowest Band edge	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 21:39:58
1.4MHz, QPSK Highest Band edge	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 21:42:20

100 kHz Bandwidth of Frequency Band Edge	
10MHz, QPSK Lowest Band edge	
10MHz, QPSK Highest Band edge	

100 kHz Bandwidth of Frequency Band Edge	
20MHz, QPSK Lowest Band edge	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 20:54:43
20MHz, QPSK Highest Band edge	 ProjectNo.:2503P42421E-RF Tester:Chin Qin Date: 24.JAN.2025 20:15:09

4.8 Duty Cycle:

Sample Number:	2XO4-1	Test Date:	2025/1/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	LingLing Li, Chin Qin	Test Result:	N/A

Environmental Conditions:					
Temperature: (℃)	24.5	Relative Humidity: (%)	48	ATM Pressure: (kPa)	101.2

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200256	2024/04/01	2025/03/31
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

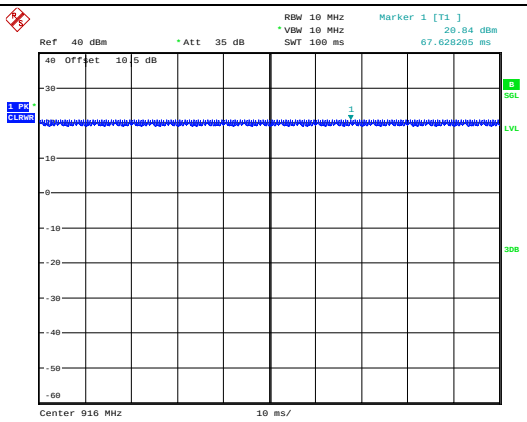
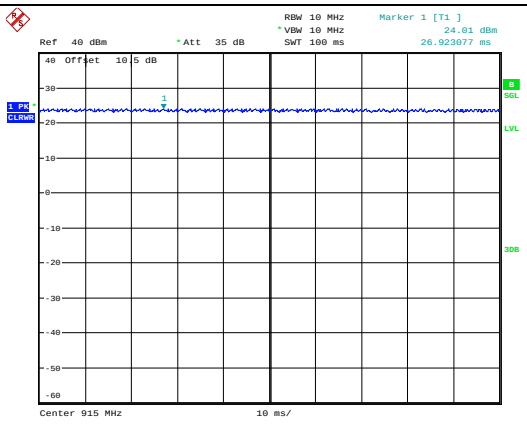
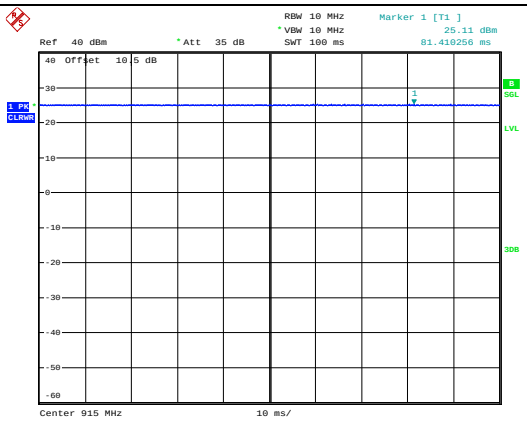
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

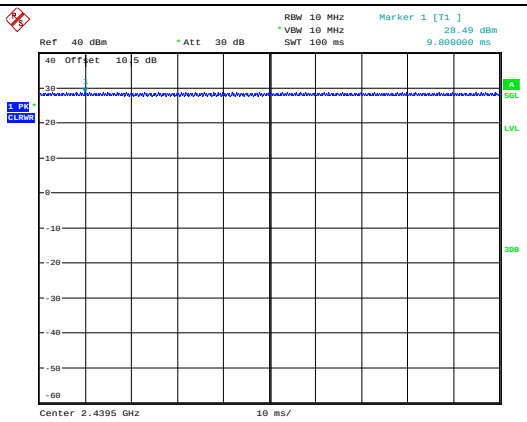
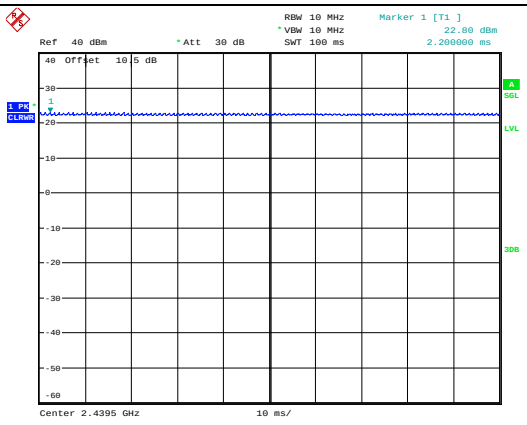
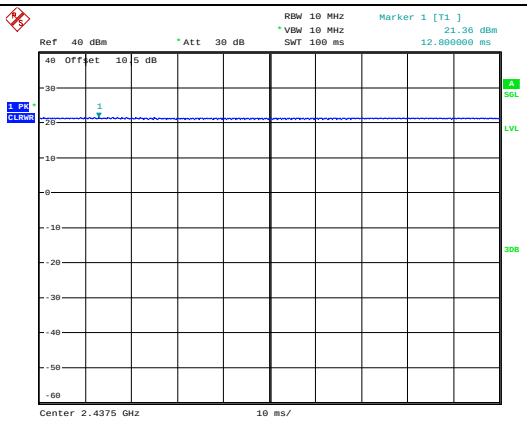
Note: test was performed at Chain 0

Operation Band	Test Modes	T_{on} (ms)	T_{on+off} (ms)	Duty cycle (%)	VBW Setting (kHz)
900MHz	1.4MHz QPSK	100	100	100.00	0.010
	10MHz QPSK	100	100	100.00	0.010
	20MHz QPSK	100	100	100.00	0.010
2.4GHz	1.4MHz QPSK	100	100	100.00	0.010
	10MHz QPSK	100	100	100.00	0.010
	20MHz QPSK	100	100	100.00	0.010

900MHz Band:

Duty Cycle	
1.4MHz QPSK	
10MHz QPSK	
20MHz QPSK	

2.4GHz Band:

Duty Cycle	
1.4MHz QPSK	
10MHz QPSK	
20MHz QPSK	

5. EUT PHOTOGRAPHS

Please refer to the attachment 2503P42421E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2503P42421E-RF-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2503P42421E-RF-00D-TSP TEST SETUP PHOTOGRAPHS.

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