



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

Applicant: FJ Dynamics Co.,Ltd.

Address: 21F, Das Tower, No. 28, 1st South Keji Road, Nanshan District , Shenzhen, China

FCC ID: 2A2LL-V10A

Product Name: GNSS Receiver

Standard(s): 47 CFR Part 15, Subpart C(15.247)

ANSI C63.10-2020

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: 2503S31640E-RF-00D

Date Of Issue: 2025/9/2

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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	2503S31640E-RF-00D	Original Report	2025/9/2

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

1.1.1 General

EUT Name:	GNSS Receiver
Trade Name:	FJD Trion
EUT Model:	V10a
Operation Frequency:	2402-2480 MHz
Maximum Peak Output Power (Conducted) ▲:	11.27dBm
Modulation Type:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Rated Input Voltage:	DC 9~32V, Typical: DC 12V from AC/DC Adapter; or DC 7.3V from Built-in Battery
Sample Number:	CE/RE:310A-1 RF: 310A-2
EUT Received Date:	2025/4/7
EUT Received Status:	Good

1.1.2 Operation Frequency Detail

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

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

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

1.1.3 Antenna Information Detail ▲

Antenna Type	input impedance (Ohm)	Frequency Range (MHz)	Antenna Gain (dBi)
PIFA	50	2402-2480	-0.62

The Method of §15.203 Compliance either:

☒ 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.

1.1.4 Accessory Information

Accessory Description	Manufacturer	Model
Adapter	HUIZHOU FUJIA APPLIANCE TECH CO.,LTD	FJ-GN236CN

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.			
Equipment Modifications:	No			
EUT Exercise Software:	QRCT			
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲：				
Test Modes	Packet Type	Power Level Setting		
		Lowest Channel	Middle Channel	Highest Channel
BDR Mode(GFSK)	DH5	7	7	7
2EDR Mode($\pi/4$ -DQPSK)	2DH5	7	7	7
3EDR Mode(8DPSK)	3DH5	7	7	7

1.2.2 Support Equipment List and Details

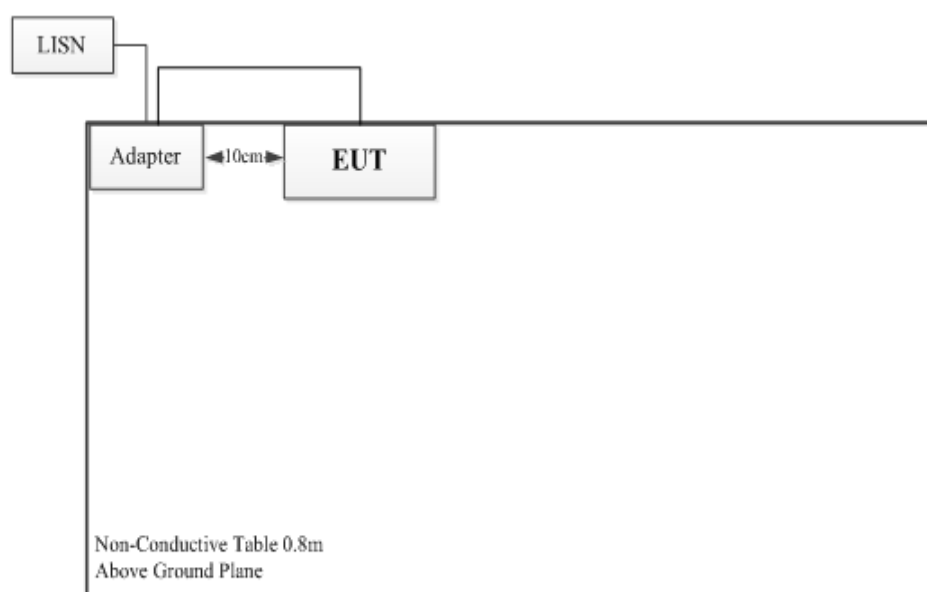
Manufacturer	Description	Model	Serial Number
/	/	/	/

1.2.3 Support Cable List and Details

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

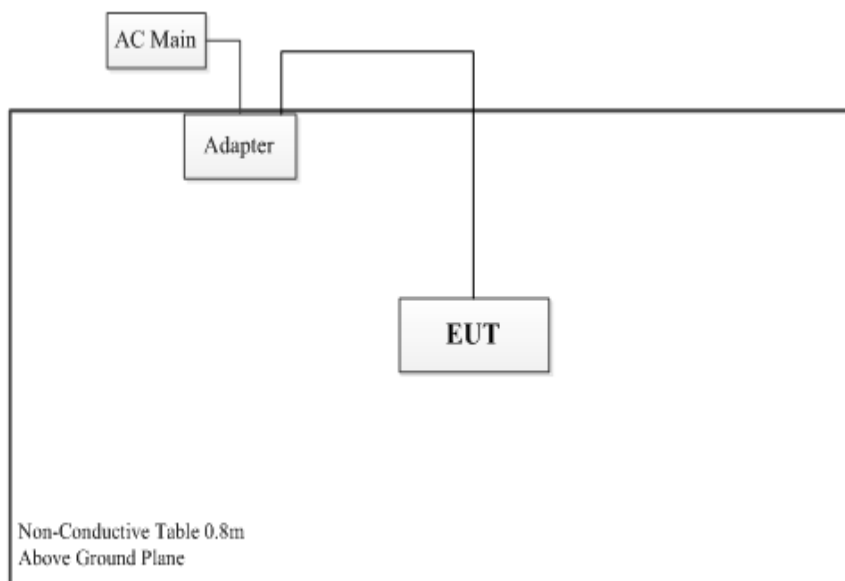
1.2.4 Block Diagram of Test Setup

AC line conducted emissions:

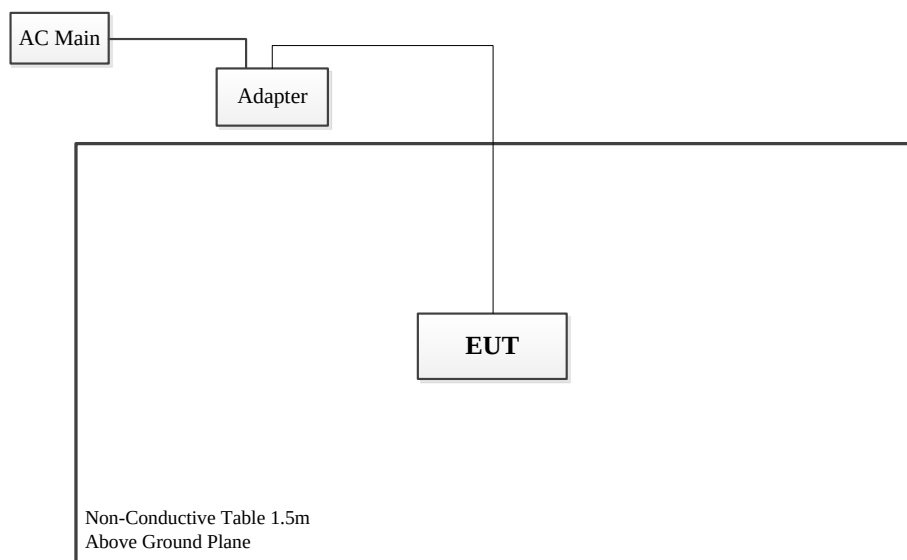


Spurious Emissions:

Below 1GHz:



Above 1GHz:



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	$\pm 5\%$
RF output power, conducted	$\pm 0.61\text{dB}$
Power Spectral Density, conducted	$\pm 0.61\text{ dB}$
Unwanted Emissions, radiated	9k~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	$\pm 1.26\text{ dB}$
Temperature	$\pm 1^\circ\text{C}$
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 0.4\%$
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 §15.203	Antenna Requirement	Compliant
FCC §15.207(a)	AC Line Conducted Emissions	Compliant
FCC §15.205, §15.209, §15.247(d)	Radiated Spurious Emission	Compliant
FCC §15.247(a)(1)	20 dB Emission Bandwidth	Note*
FCC §15.247(a)(1)	Channel Separation	Note*
FCC §15.247(a)(1)(iii)	Number of Hopping Frequency	Note*
FCC §15.247(a)(1)(iii)	Time of Occupancy (dwell time)	Note*
FCC §15.247(b)(1)	Maximum Conducted Output Power	Reporting
FCC §15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Note*

Note 1:

For AC line conducted emissions and Radiated Spurious Emissions 9kHz~1GHz and 18~25GHz, the maximum output power mode and channel was tested.

Note2:

Note*: The device built in a certified module, FCC ID:XMR2023SC206EGL,the FCC ID base on the original FCC ID:XMR2023SC200EGL, model:SC200E-GL,per spot check, the RF parameters are identical with the original module report, therefore, the RF conducted test items please refer to the module report: SEWA2307000102RG02▲, which was issued by SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. on 2023/10/26. (according to KDB 996369 D02 Module Q&A v02r02, Answer 1 b)

The China Certification ICT Co., Ltd (Dongguan) is responsible for all the information provided in this report, except when information is provided by the customer as identified in this report.

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 μ H/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.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	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:

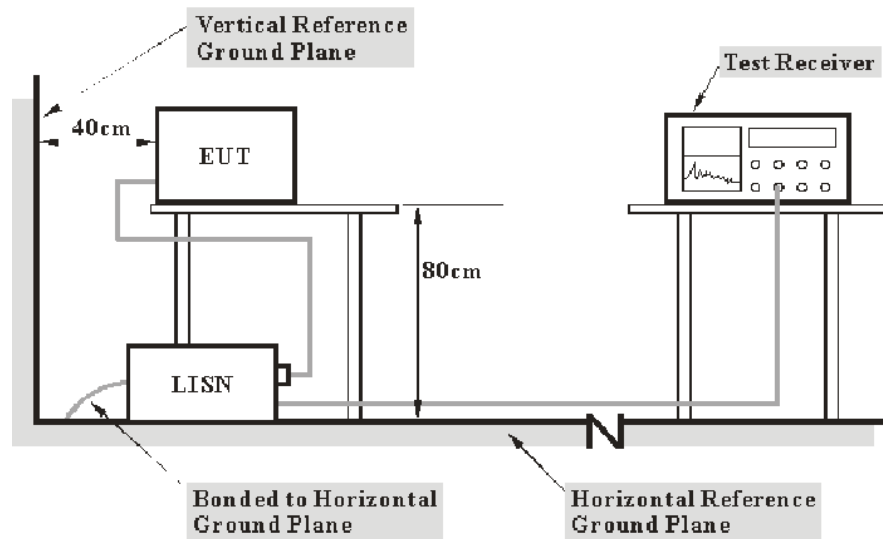
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ H/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, obtaining 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 C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10cm.

3.1.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30MHz.

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

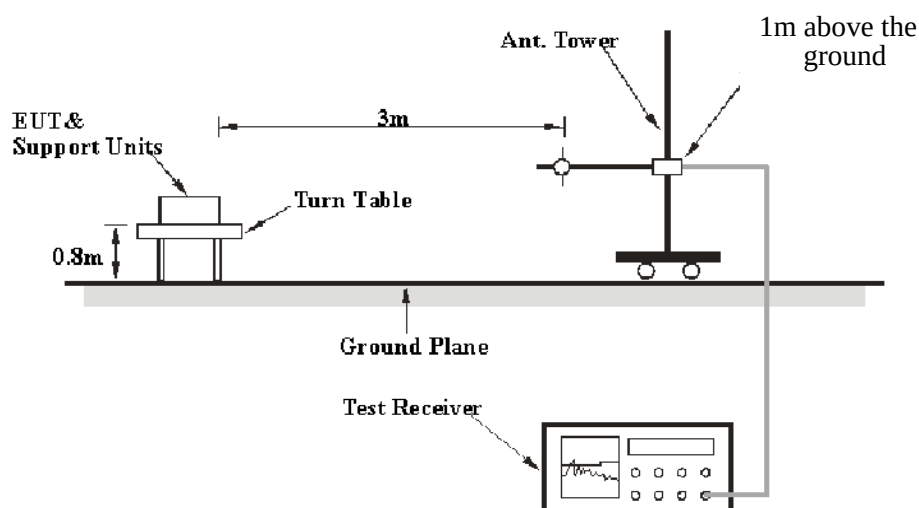
3.2.1 Applicable Standard

FCC §15.247 (d);

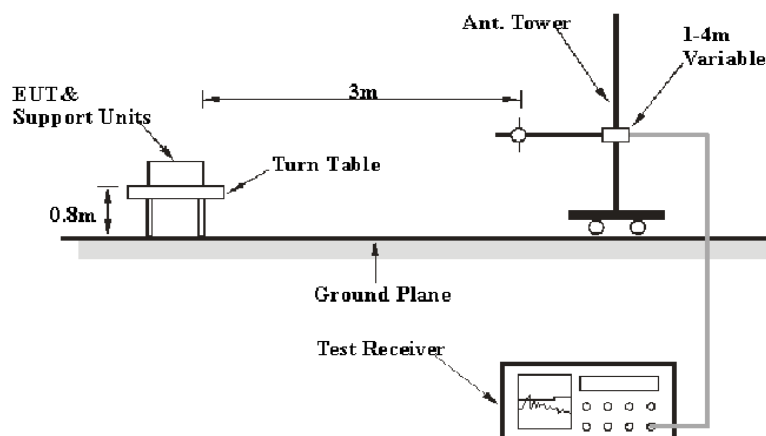
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

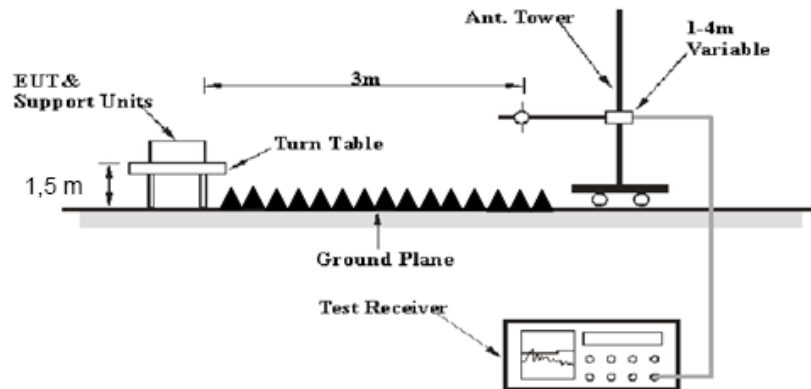
3.2.2 EUT Setup

9kHz - 30MHz:



30MHz - 1GHz:



Above 1GHz:

The radiated emissions were performed in the 3 meters distance, using the setup accordance with the ANSI C63.10-2020. 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 40cm long in the middle.

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

The system was investigated from 9kHz to 25 GHz.

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	100 kHz	300 kHz	/	Peak	PK
	/	/	120kHz	Quasi Peak	QP

1GHz – 25GHz:

Pre-scan:

Measurement	RBW	Video B/W	Detector
PK	1MHz	3 MHz	Peak
AV	1MHz	5kHz	Peak

Final measurement for emission identified during the pre-scan:

Measurement	RBW	Video B/W	Detector
PK	1MHz	3 MHz	Peak
AV	1MHz	10 Hz	Peak

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

The spurious emissions which below the limit more than 20dB was not be recorded.

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

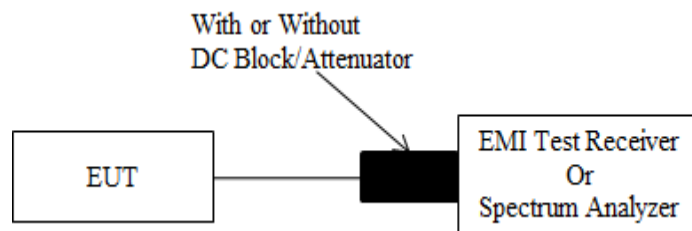
3.3 Maximum Conducted Output Power

3.3.1 Applicable Standard

FCC §15.247 (b)(1)

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

3.3.2 EUT Setup



A short RF cable with low cable loss connected to the EUT antenna port, The insert loss of this RF cable/attenuator was offset into the setting of test equipment.

3.3.3 Test Procedure

According to ANSI C63.10-2020 Section 7.8.5

This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. Frequency hopping shall be disabled for this test. Use the following spectrum analyzer settings:

- a) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
- b) RBW > 20 dB bandwidth of the emission being measured.
- c) VBW ≥ RBW.
- d) Sweep: No faster than coupled (auto) time.
- e) Detector function: Peak.
- f) Trace: Max-hold.
- g) Allow trace to stabilize.
- h) Use the marker-to-peak function to set the marker to the peak of the emission.
- i) The indicated level is the peak output power, after any corrections for external attenuators and cables.
- j) A spectral plot of the test results and setup description shall be included in the test report.

NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.

3.4 Antenna Requirement

3.4.1 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.

3.4.2 Judgment

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

4. TEST DATA AND RESULTS

4.1 AC Line Conducted Emissions

Sample Number:	310A-1	Test Date:	2025/8/19
Test Site:	CE	Test Mode:	Transmitting
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5	Relative Humidity: (%)	51	ATM Pressure: (kPa)	100.5
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Test Equipment List and Details:

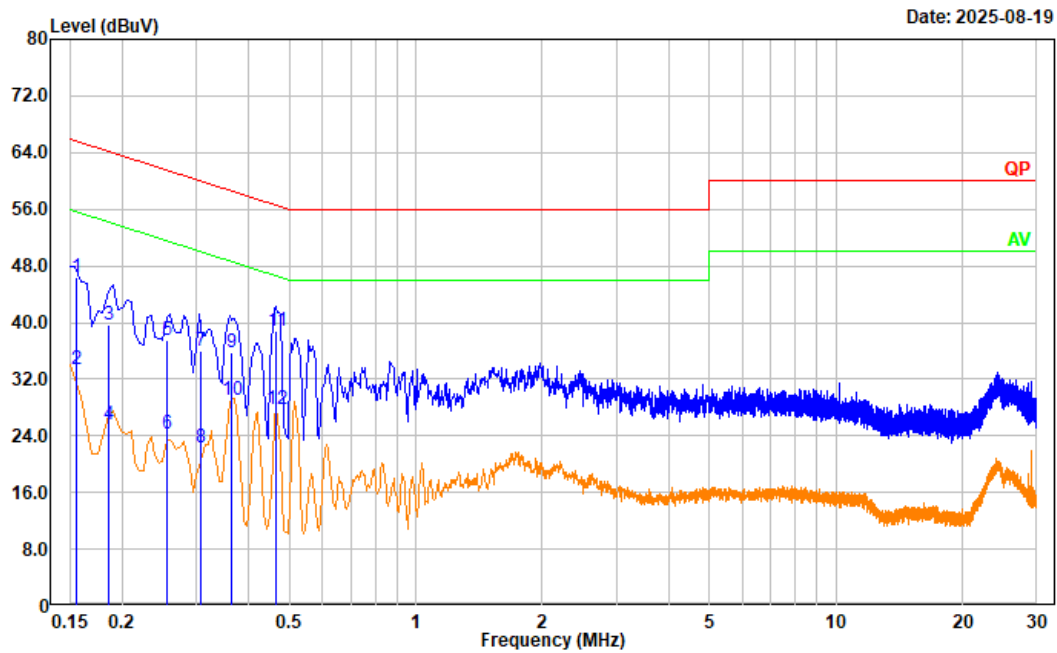
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101132	2025/3/31	2026/3/30
R&S	EMI Test Receiver	ESR3	103104	2025/5/9	2026/5/8
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2025/1/6	2026/1/5
Audix	Test Software	E3	191218 (V9)	N/A	N/A

* 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:

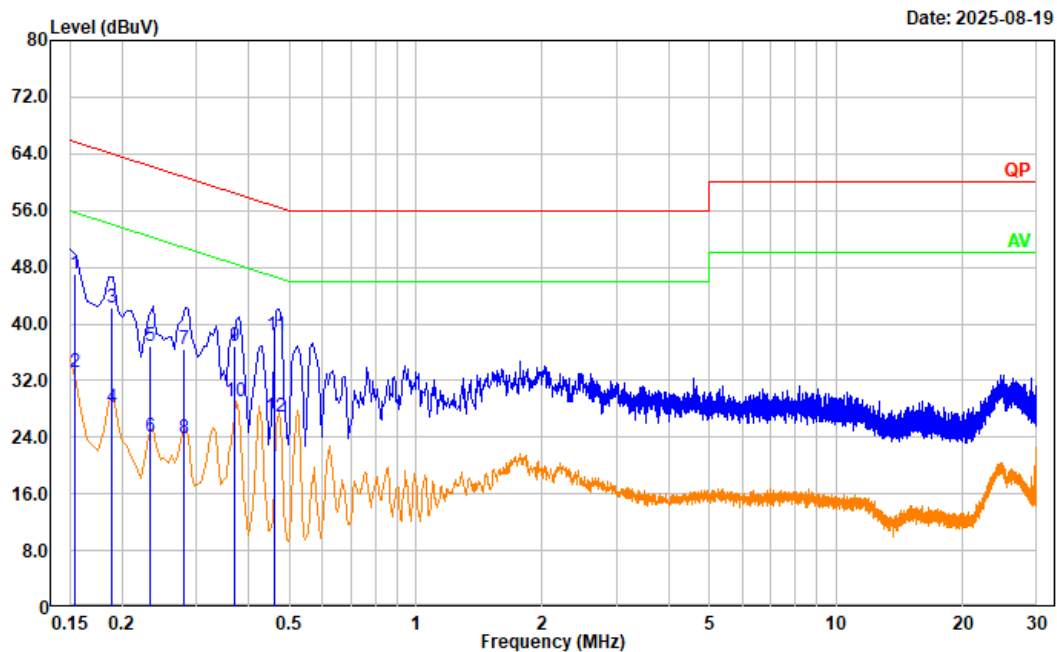
Note: The maximum output power mode:3EDR(8DPSK) Middle channel was tested.

Project No.: 2503S31640E-RF
Tester: David Huang
Condition: IFBW:9 kHz Meas Time:0.025sec
Port: Line
Note: Transmitting BT



No.	Frequency (MHz)	Reading (dBuV)	Factor (dBS)	Result (dBuA)	Limit (dBuA)	Margin (dB)	Detector
1	0.155	36.25	10.07	46.32	65.70	19.38	QP
2	0.155	23.24	10.07	33.31	55.70	22.39	Average
3	0.186	29.85	9.82	39.67	64.20	24.53	QP
4	0.186	15.85	9.82	25.67	54.20	28.53	Average
5	0.256	27.67	9.88	37.55	61.57	24.02	QP
6	0.256	14.43	9.88	24.31	51.57	27.26	Average
7	0.308	25.99	10.04	36.03	60.01	23.98	QP
8	0.308	12.32	10.04	22.36	50.01	27.65	Average
9	0.364	25.63	10.20	35.83	58.64	22.81	QP
10	0.364	18.79	10.20	28.99	48.64	19.65	Average
11	0.465	28.30	10.51	38.81	56.60	17.79	QP
12	0.465	17.23	10.51	27.74	46.60	18.86	Average

Project No.: 2503S31640E-RF
Tester: David Huang
Condition: IFBW:9 kHz Meas Time:0.025sec
Port: neutral
Note: Transmitting BT



No.	Frequency (MHz)	Reading (dBuV)	Factor (dBS)	Result (dBuA)	Limit (dBuA)	Margin (dB)	Detector
1	0.154	36.80	10.30	47.10	65.78	18.68	QP
2	0.154	22.78	10.30	33.08	55.78	22.70	Average
3	0.189	32.03	10.23	42.26	64.07	21.81	QP
4	0.189	18.05	10.23	28.28	54.07	25.79	Average
5	0.234	26.65	10.22	36.87	62.31	25.44	QP
6	0.234	13.95	10.22	24.17	52.31	28.14	Average
7	0.280	26.23	10.24	36.47	60.81	24.34	QP
8	0.280	13.63	10.24	23.87	50.81	26.94	Average
9	0.371	26.65	10.27	36.92	58.47	21.55	QP
10	0.371	18.72	10.27	28.99	48.47	19.48	Average
11	0.462	28.17	10.30	38.47	56.65	18.18	QP
12	0.462	16.55	10.30	26.85	46.65	19.80	Average

4.2 Radiated Spurious Emissions

4.2.1 9kHz–1GHz:

Sample Number:	310A-1	Test Date:	2025/8/30
Test Site:	966-2	Test Mode:	Transmitting
Tester:	Roinin Fu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	21.5	Relative Humidity: (%)	53	ATM Pressure: (kPa)	100.9
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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	2025/2/14	2026/2/13
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	2025/6/4	2026/6/3
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).

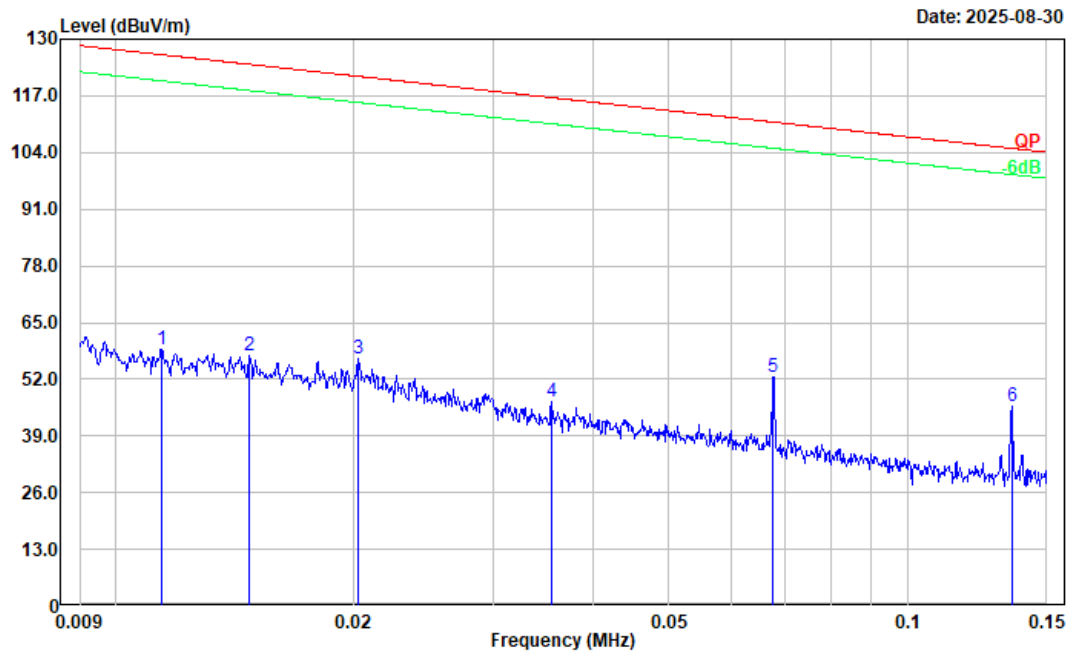
Test Data:

Please refer to the below plots.

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

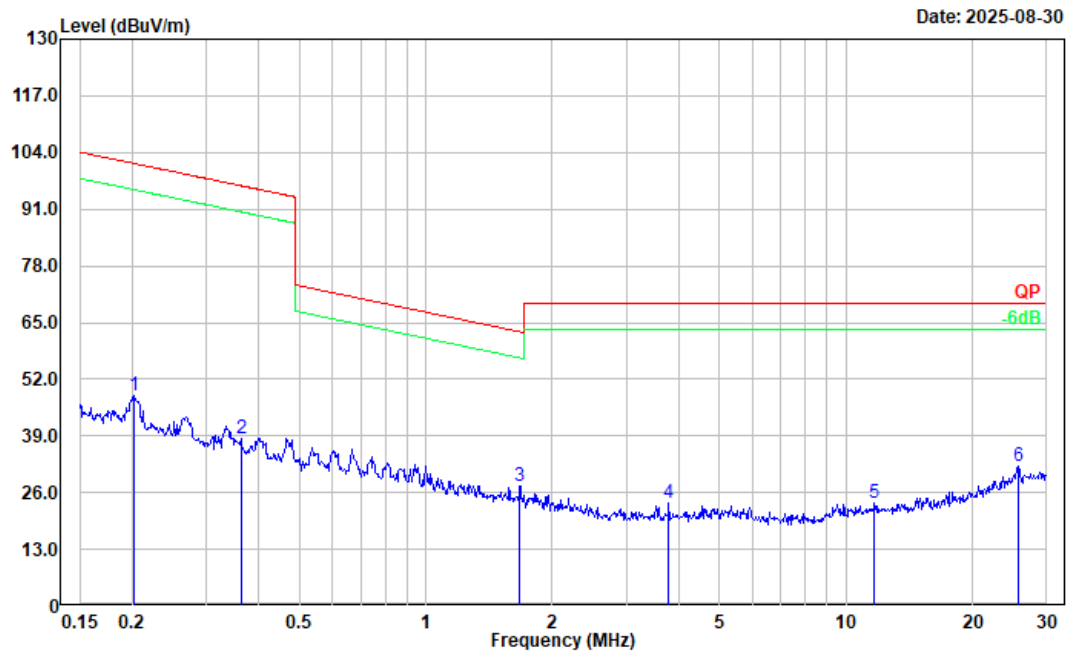
Note: The maximum output power mode:3EDR(8DPSK) Middle channel was tested.

Project No.: 2503S31640E-RF
Tester: Roinin Fu
Condition: RBW:0.3kHz VBW:1kHz
Polarization: Ground-parallel
Note: Transmitting BT



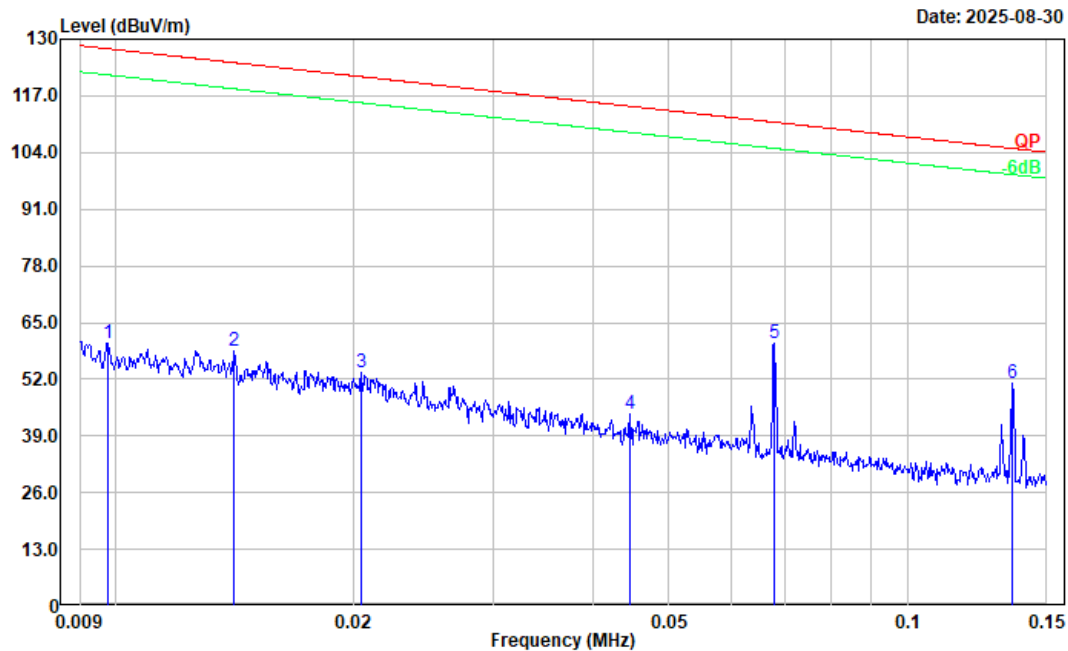
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.011	25.15	33.74	58.89	126.44	67.55	Peak
2	0.015	25.49	32.10	57.59	124.22	66.63	Peak
3	0.020	27.30	29.42	56.72	121.48	64.76	Peak
4	0.036	23.42	23.48	46.90	116.59	69.69	Peak
5	0.068	34.54	18.04	52.58	111.00	58.42	Peak
6	0.136	32.93	13.00	45.93	104.96	59.03	Peak

Project No.: 2503S31640E-RF
Tester: Roinin Fu
Condition: RBW:10kHz VBW:30kHz
Polarization: Ground-parallel
Note: Transmitting BT



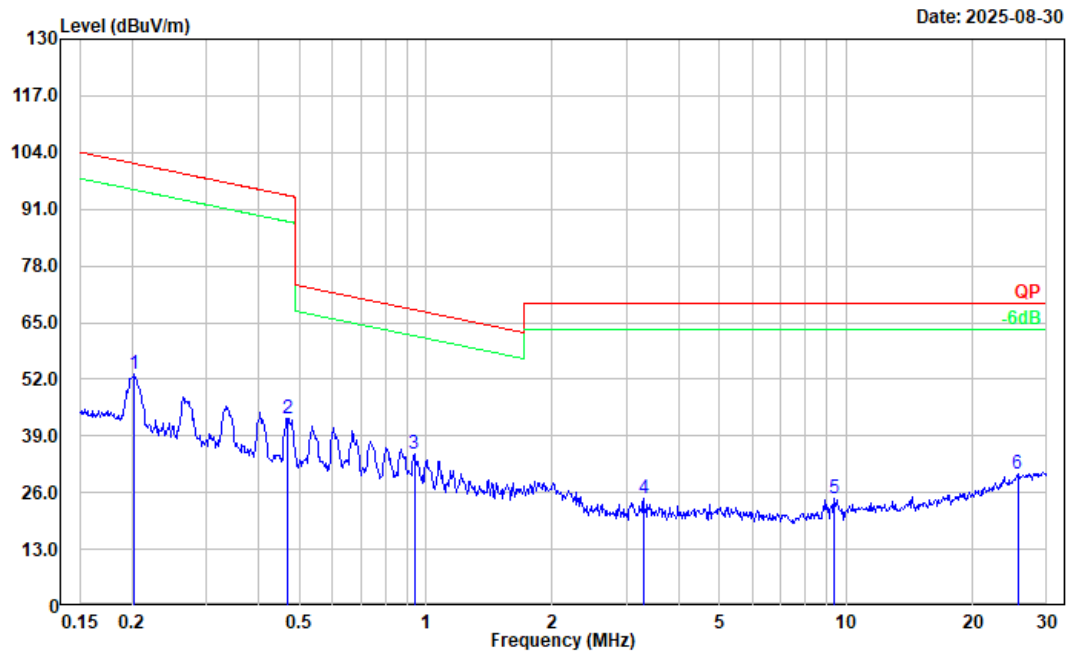
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.202	38.18	9.92	48.10	101.51	53.41	Peak
2	0.363	34.59	3.98	38.57	96.40	57.83	Peak
3	1.671	34.03	-6.58	27.45	62.92	35.47	Peak
4	3.779	32.34	-8.74	23.60	69.54	45.94	Peak
5	11.683	31.61	-7.94	23.67	69.54	45.87	Peak
6	25.727	39.75	-7.59	32.16	69.54	37.38	Peak

Project No.: 2503S31640E-RF
Tester: Roinin Fu
Condition: RBW:0.3kHz VBW:1kHz
Polarization: Parallel
Note: Transmitting BT



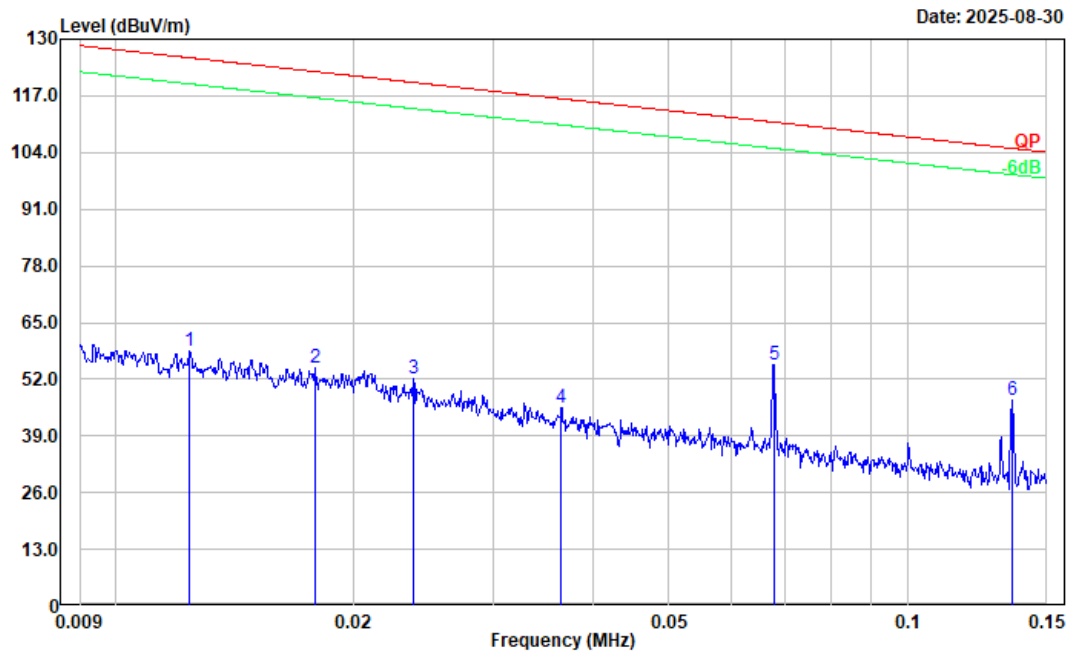
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.010	25.61	34.74	60.35	127.81	67.46	Peak
2	0.014	25.98	32.42	58.40	124.61	66.21	Peak
3	0.020	24.23	29.34	53.57	121.41	67.84	Peak
4	0.045	22.31	21.57	43.88	114.62	70.74	Peak
5	0.068	42.22	18.01	60.23	110.97	50.74	Peak
6	0.136	38.01	13.00	51.01	104.96	53.95	Peak

Project No.: 2503S31640E-RF
Tester: Roinin Fu
Condition: RBW:10kHz VBW:30kHz
Polarization: Parallel
Note: Transmitting BT



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.203	43.16	9.87	53.03	101.46	48.43	Peak
2	0.469	41.38	1.66	43.04	94.19	51.15	Peak
3	0.938	38.39	-3.67	34.72	68.04	33.32	Peak
4	3.293	33.24	-8.47	24.77	69.54	44.77	Peak
5	9.401	33.08	-8.35	24.73	69.54	44.81	Peak
6	25.591	37.92	-7.62	30.30	69.54	39.24	Peak

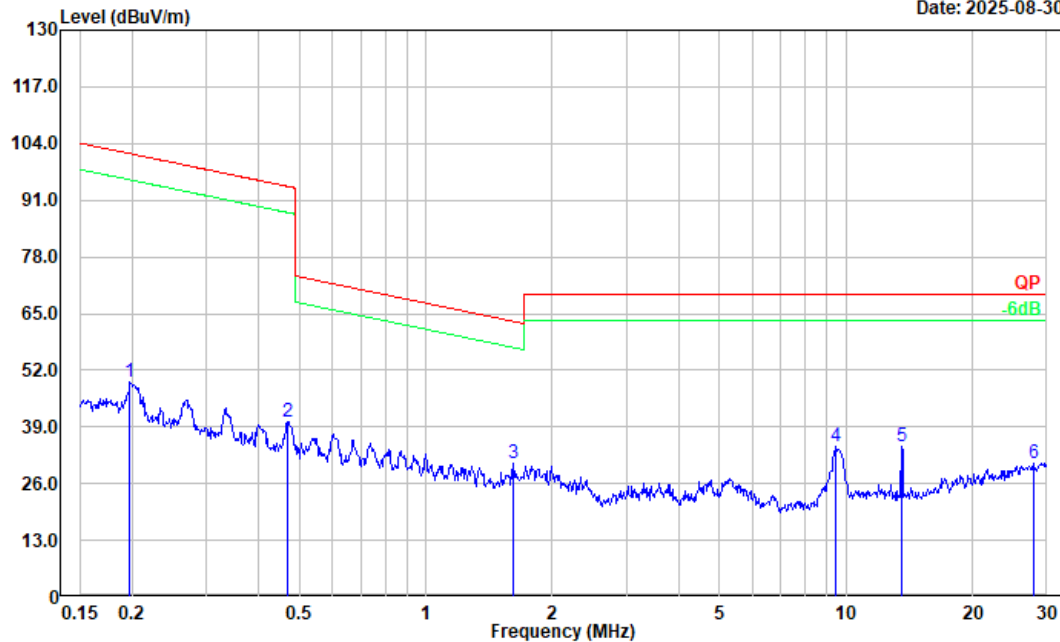
Project No.: 2503S31640E-RF
Tester: Roinin Fu
Condition: RBW:0.3kHz VBW:1kHz
Polarization: Perpendicular
Note: Transmitting BT



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.012	25.35	33.26	58.61	125.73	67.12	Peak
2	0.018	23.85	30.60	54.45	122.58	68.13	Peak
3	0.024	24.49	27.70	52.19	120.09	67.90	Peak
4	0.037	22.11	23.27	45.38	116.35	70.97	Peak
5	0.068	37.29	18.01	55.30	110.97	55.67	Peak
6	0.136	34.26	13.00	47.26	104.96	57.70	Peak

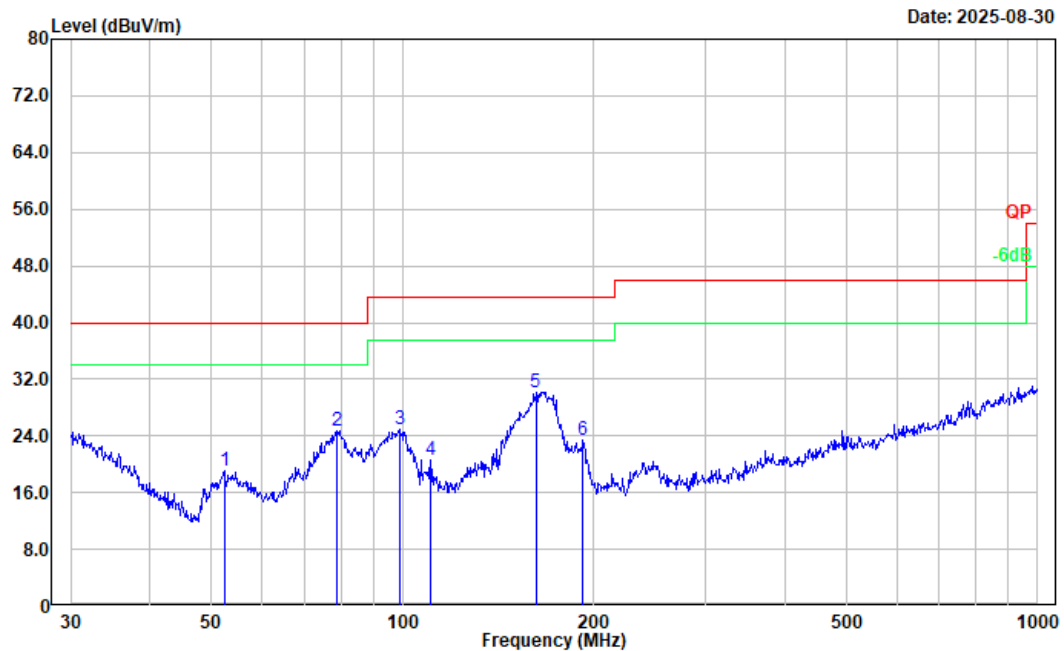
Project No.: 2503S31640E-RF
Tester: Roinin Fu
Condition: RBW:10kHz VBW:30kHz
Polarization: Perpendicular
Note: Transmitting BT

Date: 2025-08-30



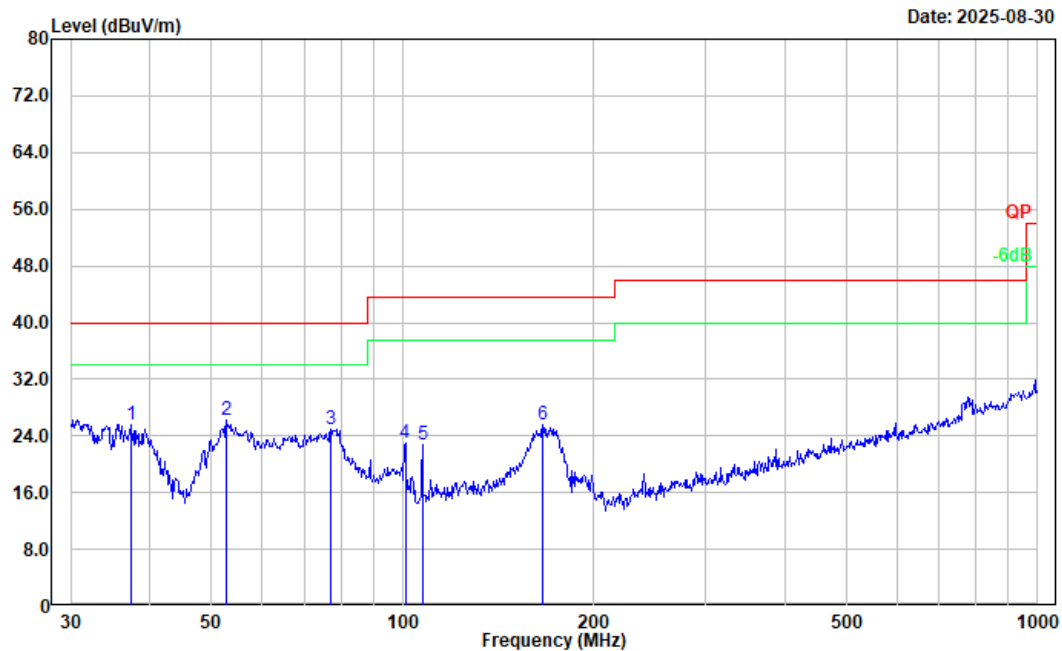
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.198	39.09	10.11	49.20	101.69	52.49	Peak
2	0.469	38.54	1.66	40.20	94.19	53.99	Peak
3	1.610	36.92	-6.36	30.56	63.25	32.69	Peak
4	9.451	42.70	-8.34	34.36	69.54	35.18	Peak
5	13.551	42.18	-7.70	34.48	69.54	35.06	Peak
6	27.855	38.00	-7.40	30.60	69.54	38.94	Peak

Project No.: 2503S31640E-RF
Tester: Roinin Fu
Condition: RBW:100kHz VBW:300kHz
Polarization: horizontal
Note: Transmitting BT



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	52.391	36.66	-17.52	19.14	40.00	20.86	Peak
2	78.689	41.90	-17.12	24.78	40.00	15.22	Peak
3	99.180	39.70	-14.69	25.01	43.50	18.49	Peak
4	110.569	32.73	-12.13	20.60	43.50	22.90	Peak
5	162.041	42.23	-12.01	30.22	43.50	13.28	Peak
6	192.419	36.78	-13.42	23.36	43.50	20.14	Peak

Project No.: 2503S31640E-RF
Tester: Roinin Fu
Condition: RBW:100kHz VBW:300kHz
Polarization: vertical
Note: Transmitting BT



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	37.416	34.95	-9.35	25.60	40.00	14.40	Peak
2	52.760	43.85	-17.52	26.33	40.00	13.67	Peak
3	77.051	42.02	-17.04	24.98	40.00	15.02	Peak
4	100.934	37.11	-14.13	22.98	43.50	20.52	Peak
5	107.510	35.35	-12.64	22.71	43.50	20.79	Peak
6	166.068	37.73	-12.21	25.52	43.50	17.98	Peak

4.2.2 1GHz –25GHz:

Sample Number	310A-1	Test Date:	2025/8/28
Test Site:	966-1	Test Mode:	Transmitting
Tester:	Peter Rong	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.4	Relative Humidity: (%)	62	ATM Pressure: (kPa)	100.9
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	9912-5985	2023/12/6	2026/12/5
R&S	Spectrum Analyzer	FSV40	101591	2025/3/31	2026/3/30
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2025/1/10	2026/1/9
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2025/1/10	2026/1/9
A.H	Pre-amplifier	PAM-0118P	628	2025/5/23	2026/5/22
Audix	Test Software	E3	191218 (V9)	N/A	N/A
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2024/2/4	2027/2/3
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2025/1/6	2026/1/5
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2025/1/6	2026/1/5
Decentest	Multiplex Switch Test Control Set	DT7220SCU	DQ77925	2025/8/4	2026/8/3
Decentest	Filter Switch Unit	DT7220FSU	DQ77928	2025/8/4	2026/8/3

*** 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:

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

BDR Mode(GFSK):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 2402 MHz							
4804.000	49.74	PK	H	-6.12	43.62	74.00	30.38
4804.000	37.62	AV	H	-6.12	31.50	54.00	22.50
4804.000	49.02	PK	V	-6.12	42.90	74.00	31.10
4804.000	38.33	AV	V	-6.12	32.21	54.00	21.79
7206.000	48.69	PK	H	-1.05	47.64	74.00	26.36
7206.000	36.21	AV	H	-1.05	35.16	54.00	18.84
7206.000	48.49	PK	V	-1.05	47.44	74.00	26.56
7206.000	36.68	AV	V	-1.05	35.63	54.00	18.37
Middle Channel: 2441 MHz							
4882.000	48.25	PK	H	-6.10	42.15	74.00	31.85
4882.000	35.67	AV	H	-6.10	29.57	54.00	24.43
4882.000	47.03	PK	V	-6.10	40.93	74.00	33.07
4882.000	34.53	AV	V	-6.10	28.43	54.00	25.57
7323.000	49.17	PK	H	-0.53	48.64	74.00	25.36
7323.000	37.22	AV	H	-0.53	36.69	54.00	17.31
7323.000	48.36	PK	V	-0.53	47.83	74.00	26.17
7323.000	35.81	AV	V	-0.53	35.28	54.00	18.72
High Channel: 2480 MHz							
4960.000	49.71	PK	H	-6.15	43.56	74.00	30.44
4960.000	37.69	AV	H	-6.15	31.54	54.00	22.46
4960.000	50.23	PK	V	-6.15	44.08	74.00	29.92
4960.000	39.19	AV	V	-6.15	33.04	54.00	20.96
7440.000	48.97	PK	H	-0.62	48.35	74.00	25.65
7440.000	36.28	AV	H	-0.62	35.66	54.00	18.34
7440.000	49.74	PK	V	-0.62	49.12	74.00	24.88
7440.000	36.87	AV	V	-0.62	36.25	54.00	17.75

2EDR Mode ($\pi/4$ -DQPSK):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 2402 MHz							
4804.000	48.50	PK	H	-6.12	42.38	74.00	31.62
4804.000	36.87	AV	H	-6.12	30.75	54.00	23.25
4804.000	49.21	PK	V	-6.12	43.09	74.00	30.91
4804.000	37.52	AV	V	-6.12	31.40	54.00	22.60
7206.000	48.54	PK	H	-1.05	47.49	74.00	26.51
7206.000	35.95	AV	H	-1.05	34.90	54.00	19.10
7206.000	48.91	PK	V	-1.05	47.86	74.00	26.14
7206.000	37.02	AV	V	-1.05	35.97	54.00	18.03
Middle Channel: 2441 MHz							
4882.000	48.22	PK	H	-6.10	42.12	74.00	31.88
4882.000	36.79	AV	H	-6.10	30.69	54.00	23.31
4882.000	49.71	PK	V	-6.10	43.61	74.00	30.39
4882.000	36.62	AV	V	-6.10	30.52	54.00	23.48
7323.000	48.52	PK	H	-0.53	47.99	74.00	26.01
7323.000	35.72	AV	H	-0.53	35.19	54.00	18.81
7323.000	48.91	PK	V	-0.53	48.38	74.00	25.62
7323.000	35.22	AV	V	-0.53	34.69	54.00	19.31
High Channel: 2480 MHz							
4960.000	49.33	PK	H	-6.15	43.18	74.00	30.82
4960.000	37.84	AV	H	-6.15	31.69	54.00	22.31
4960.000	48.62	PK	V	-6.15	42.47	74.00	31.53
4960.000	36.89	AV	V	-6.15	30.74	54.00	23.26
7440.000	49.63	PK	H	-0.62	49.01	74.00	24.99
7440.000	37.54	AV	H	-0.62	36.92	54.00	17.08
7440.000	48.62	PK	V	-0.62	48.00	74.00	26.00
7440.000	36.57	AV	V	-0.62	35.95	54.00	18.05

3EDR Mode (8DPSK):

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Remark					
Low Channel: 2402 MHz							
4804.000	47.56	PK	H	-6.12	41.44	74.00	32.56
4804.000	34.22	AV	H	-6.12	28.10	54.00	25.90
4804.000	47.69	PK	V	-6.12	41.57	74.00	32.43
4804.000	34.88	AV	V	-6.12	28.76	54.00	25.24
7206.000	46.81	PK	H	-1.05	45.76	74.00	28.24
7206.000	34.29	AV	H	-1.05	33.24	54.00	20.76
7206.000	47.29	PK	V	-1.05	46.24	74.00	27.76
7206.000	34.69	AV	V	-1.05	33.64	54.00	20.36
Middle Channel: 2441 MHz							
4882.000	48.66	PK	H	-6.10	42.56	74.00	31.44
4882.000	36.11	AV	H	-6.10	30.01	54.00	23.99
4882.000	48.91	PK	V	-6.10	42.81	74.00	31.19
4882.000	36.28	AV	V	-6.10	30.18	54.00	23.82
7323.000	48.29	PK	H	-0.53	47.76	74.00	26.24
7323.000	36.47	AV	H	-0.53	35.94	54.00	18.06
7323.000	49.51	PK	V	-0.53	48.98	74.00	25.02
7323.000	37.65	AV	V	-0.53	37.12	54.00	16.88
High Channel: 2480 MHz							
4960.000	47.54	PK	H	-6.15	41.39	74.00	32.61
4960.000	35.97	AV	H	-6.15	29.82	54.00	24.18
4960.000	48.09	PK	V	-6.15	41.94	74.00	32.06
4960.000	36.91	AV	V	-6.15	30.76	54.00	23.24
7440.000	48.22	PK	H	-0.62	47.60	74.00	26.40
7440.000	36.47	AV	H	-0.62	35.85	54.00	18.15
7440.000	49.51	PK	V	-0.62	48.89	74.00	25.11
7440.000	37.25	AV	V	-0.62	36.63	54.00	17.37

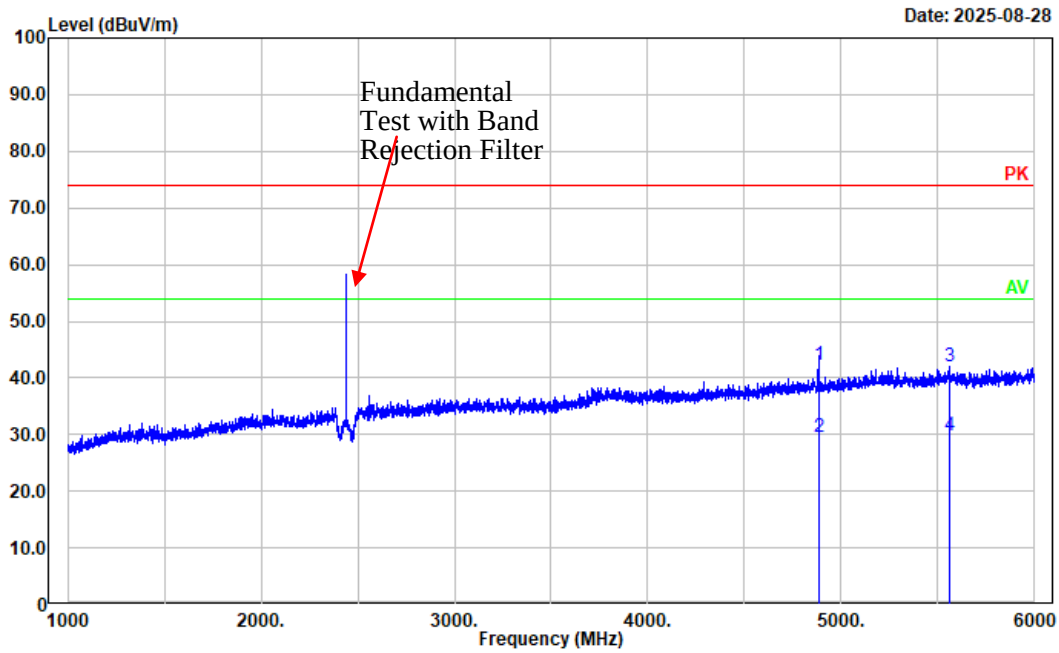
Worst radiation spurious emissions margin test plots for each mode

Note: for 18-25 GHz range, test was performed on the maximum power mode.

1-18GHz:

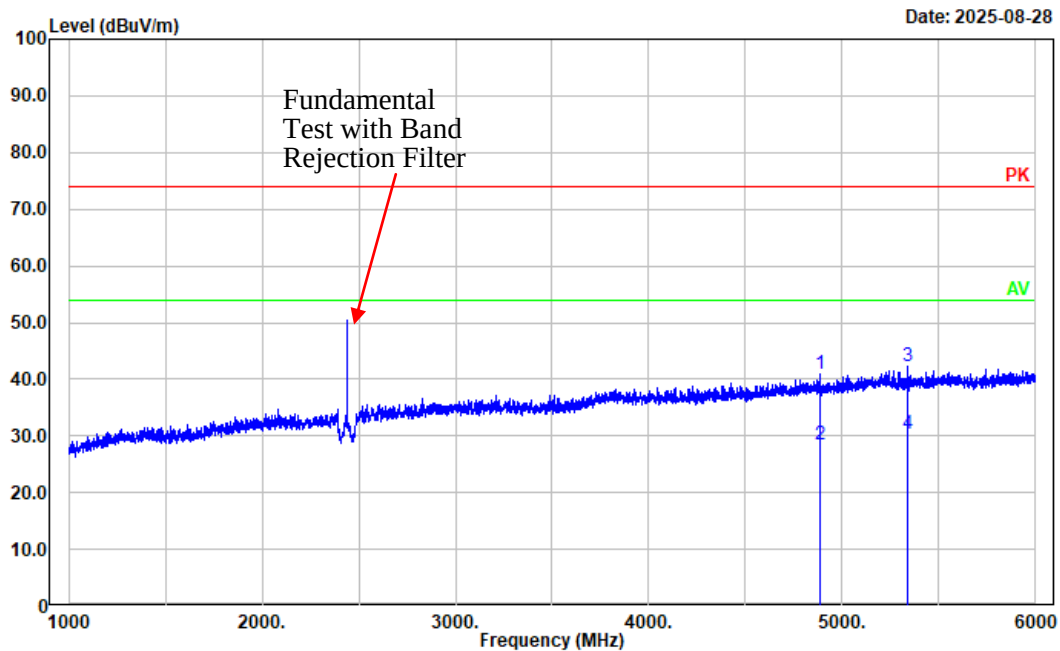
BDR Mode (GFSK)

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
Note: BDR Middle Channel 2441MHz



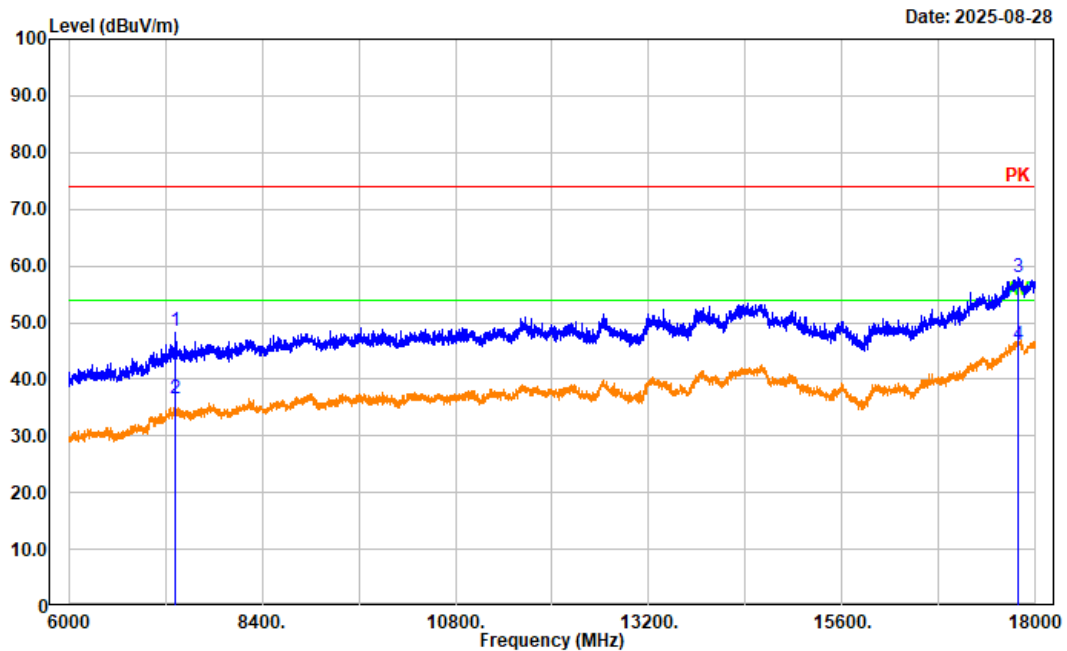
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	4882.000	48.25	-6.10	42.15	74.00	31.85	Peak
2	4882.000	35.67	-6.10	29.57	54.00	24.43	Average
3	5563.000	46.33	-4.33	42.00	74.00	32.00	Peak
4	5563.000	34.20	-4.33	29.87	54.00	24.13	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: BDR Middle Channel 2441MHz



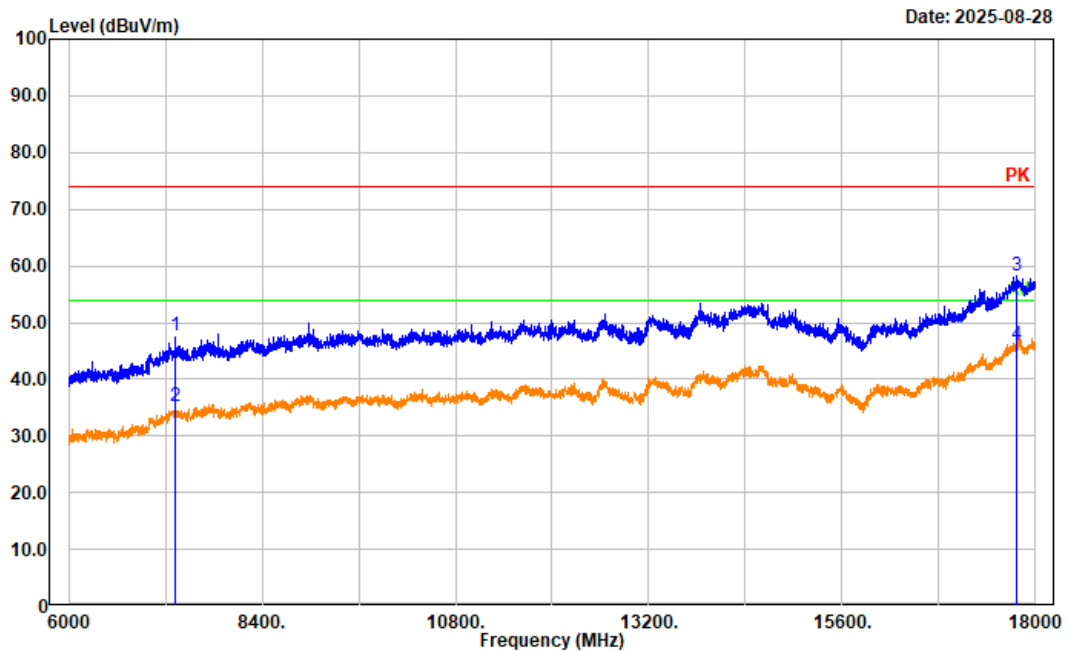
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	4882.000	47.03	-6.10	40.93	74.00	33.07	Peak
2	4882.000	34.53	-6.10	28.43	54.00	25.57	Average
3	5335.000	47.28	-4.94	42.34	74.00	31.66	Peak
4	5335.000	35.18	-4.94	30.24	54.00	23.76	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: BDR Middle Channel 2441MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7323.000	49.17	-0.53	48.64	74.00	25.36	Peak
2	7323.000	37.22	-0.53	36.69	54.00	17.31	Average
3	17788.800	44.76	13.32	58.08	74.00	15.92	Peak
4	17788.800	32.70	13.32	46.02	54.00	7.98	Average

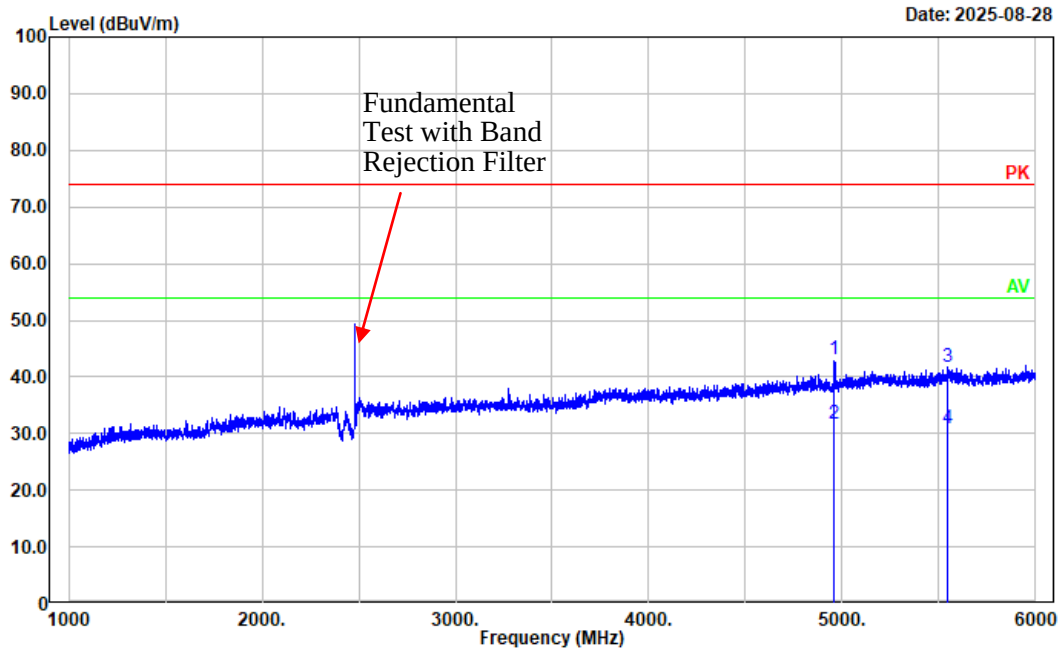
Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: BDR Middle Channel 2441MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7323.000	48.36	-0.53	47.83	74.00	26.17	Peak
2	7323.000	35.81	-0.53	35.28	54.00	18.72	Average
3	17767.200	44.96	13.28	58.24	74.00	15.76	Peak
4	17767.200	32.86	13.28	46.14	54.00	7.86	Average

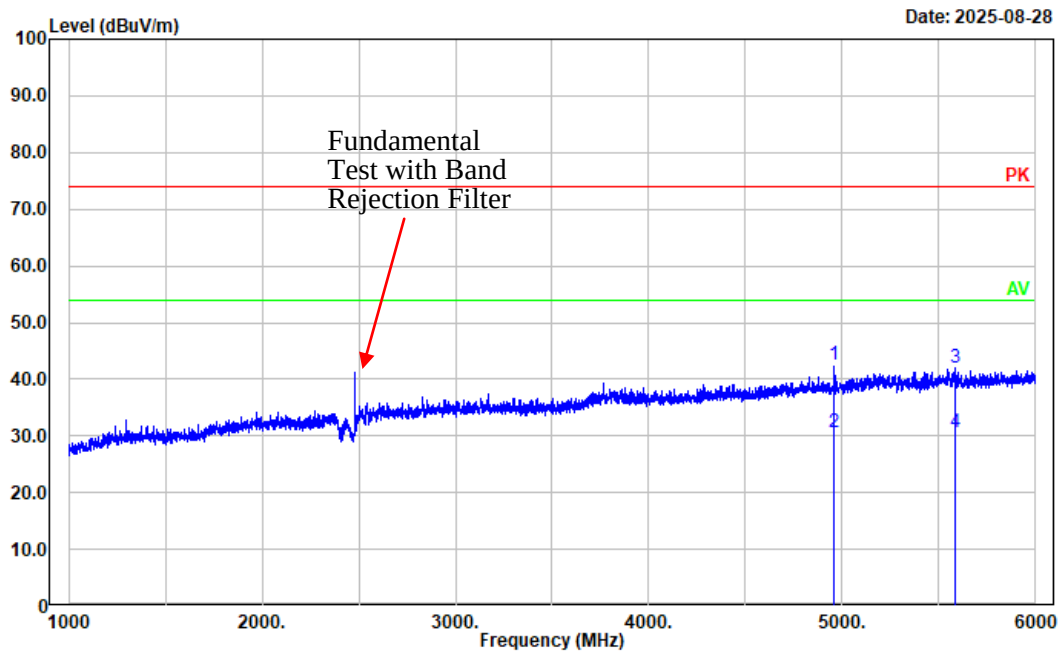
2EDR Mode ($\pi/4$ -DQPSK)

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
Note: 2EDR High Channel 2480MHz



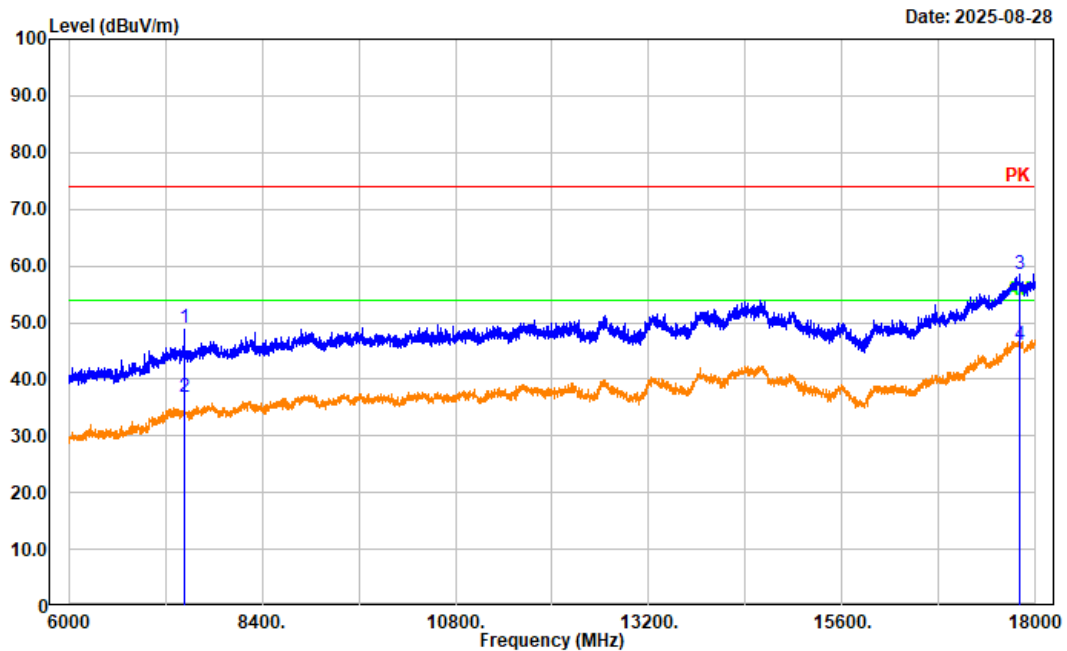
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	4960.000	49.33	-6.15	43.18	74.00	30.82	Peak
2	4960.000	37.84	-6.15	31.69	54.00	22.31	Average
3	5547.000	46.15	-4.36	41.79	74.00	32.21	Peak
4	5547.000	35.30	-4.36	30.94	54.00	23.06	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 2EDR High Channel 2480MHz



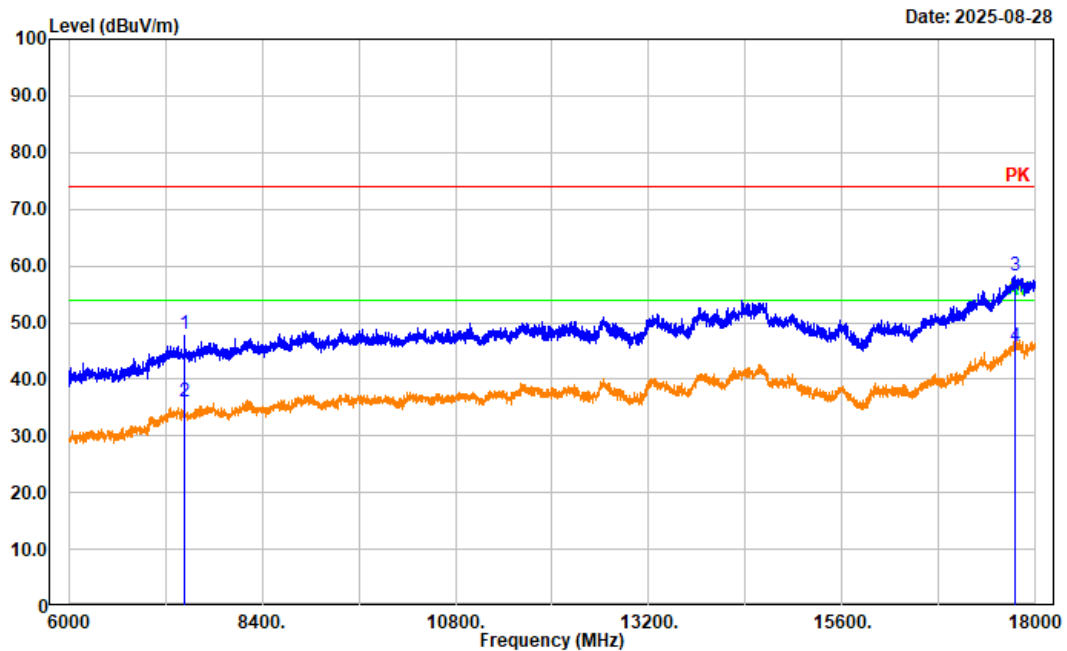
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	4960.000	48.62	-6.15	42.47	74.00	31.53	Peak
2	4960.000	36.89	-6.15	30.74	54.00	23.26	Average
3	5585.000	46.34	-4.26	42.08	74.00	31.92	Peak
4	5585.000	34.84	-4.26	30.58	54.00	23.42	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: 2EDR High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7440.000	49.63	-0.62	49.01	74.00	24.99	Peak
2	7440.000	37.54	-0.62	36.92	54.00	17.08	Average
3	17803.200	45.09	13.34	58.43	74.00	15.57	Peak
4	17803.200	32.64	13.34	45.98	54.00	8.02	Average

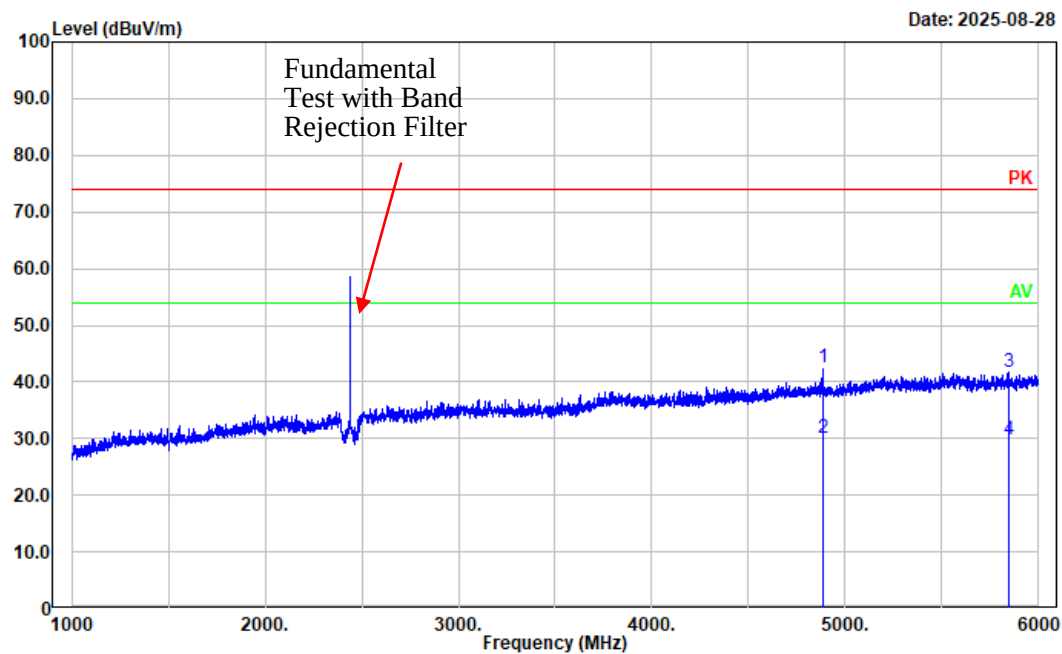
Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: 2EDR High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7440.000	48.62	-0.62	48.00	74.00	26.00	Peak
2	7440.000	36.57	-0.62	35.95	54.00	18.05	Average
3	17743.200	45.06	13.23	58.29	74.00	15.71	Peak
4	17743.200	32.46	13.23	45.69	54.00	8.31	Average

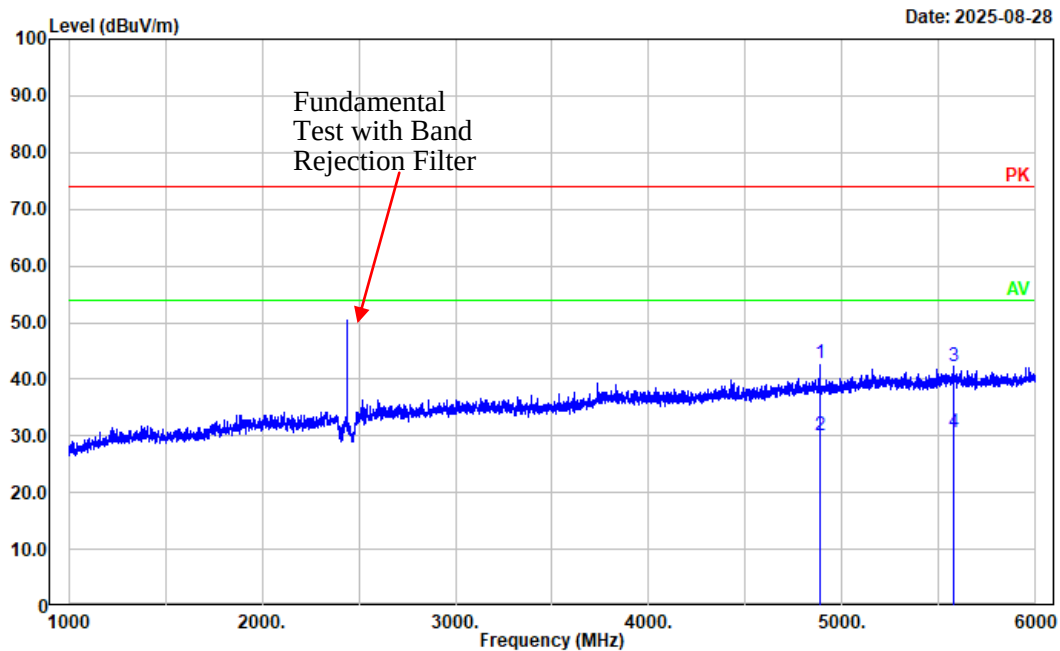
3EDR Mode (8DPSK)

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
Note: 3EDR Middle Channel 2441MHz



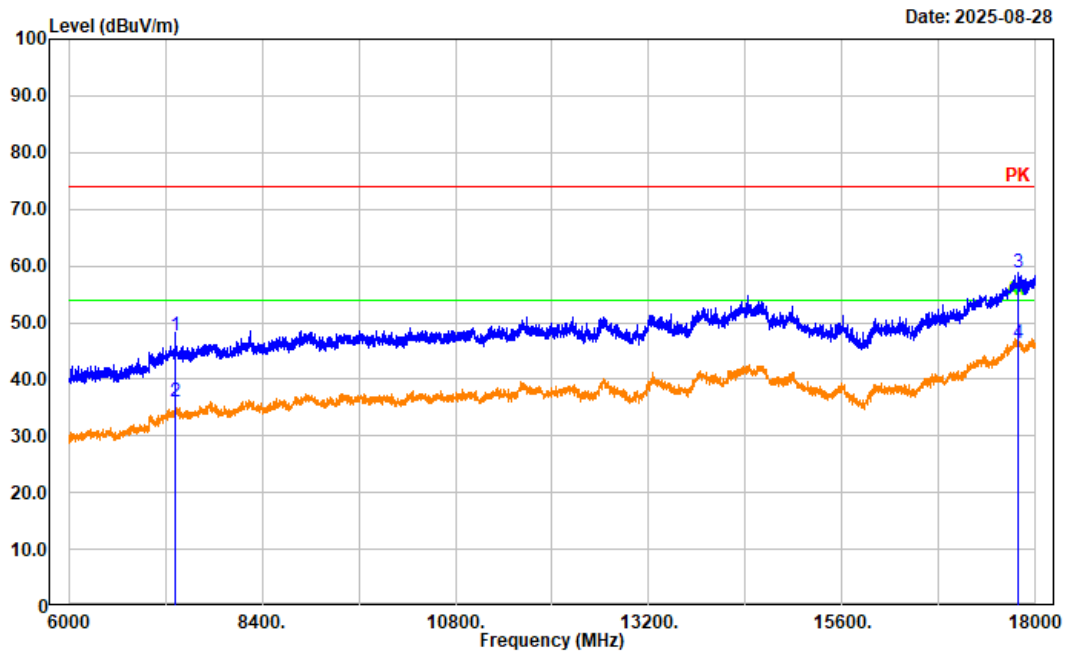
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	4882.000	48.66	-6.10	42.56	74.00	31.44	Peak
2	4882.000	36.11	-6.10	30.01	54.00	23.99	Average
3	5847.000	46.54	-4.73	41.81	74.00	32.19	Peak
4	5847.000	34.60	-4.73	29.87	54.00	24.13	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 3EDR Middle Channel 2441MHz



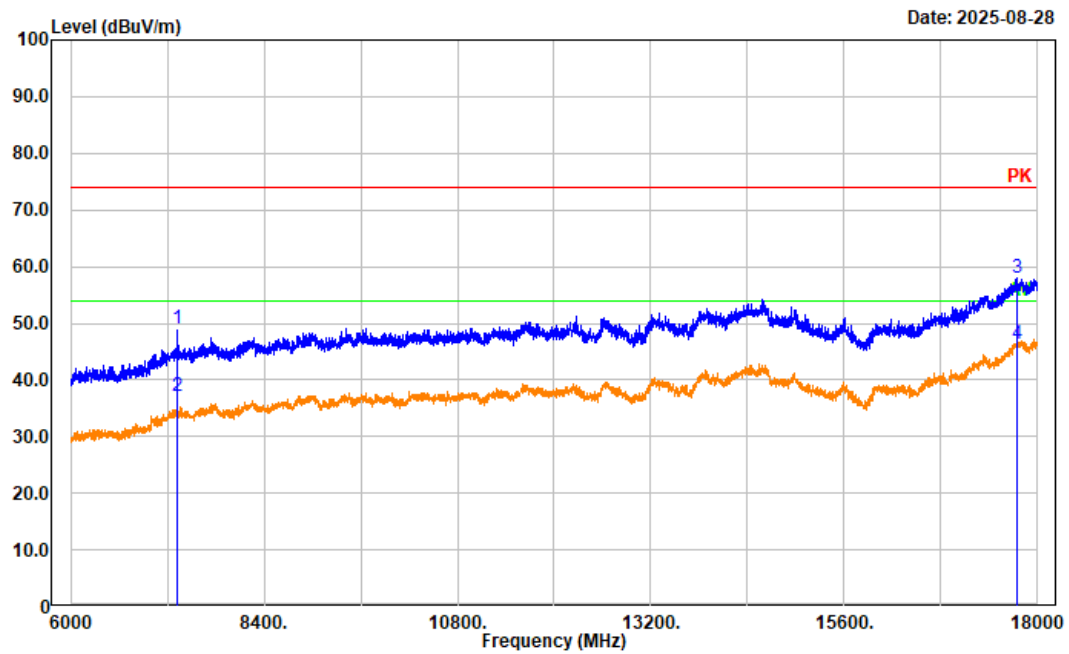
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	4882.000	48.91	-6.10	42.81	74.00	31.19	Peak
2	4882.000	36.28	-6.10	30.18	54.00	23.82	Average
3	5574.000	46.47	-4.29	42.18	74.00	31.82	Peak
4	5574.000	34.85	-4.29	30.56	54.00	23.44	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: 3EDR Middle Channel 2441MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7323.000	48.29	-0.53	47.76	74.00	26.24	Peak
2	7323.000	36.47	-0.53	35.94	54.00	18.06	Average
3	17779.200	45.39	13.31	58.70	74.00	15.30	Peak
4	17779.200	32.92	13.31	46.23	54.00	7.77	Average

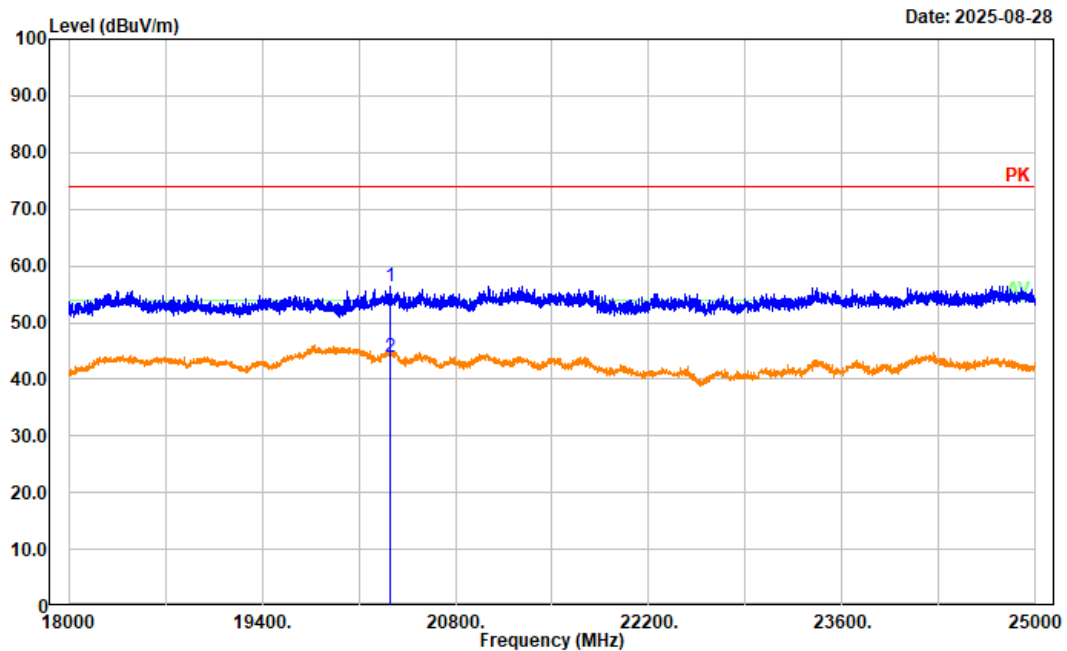
Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: 3EDR Middle Channel 2441MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	7323.000	49.51	-0.53	48.98	74.00	25.02	Peak
2	7323.000	37.65	-0.53	37.12	54.00	16.88	Average
3	17736.000	44.81	13.23	58.04	74.00	15.96	Peak
4	17736.000	33.10	13.23	46.33	54.00	7.67	Average

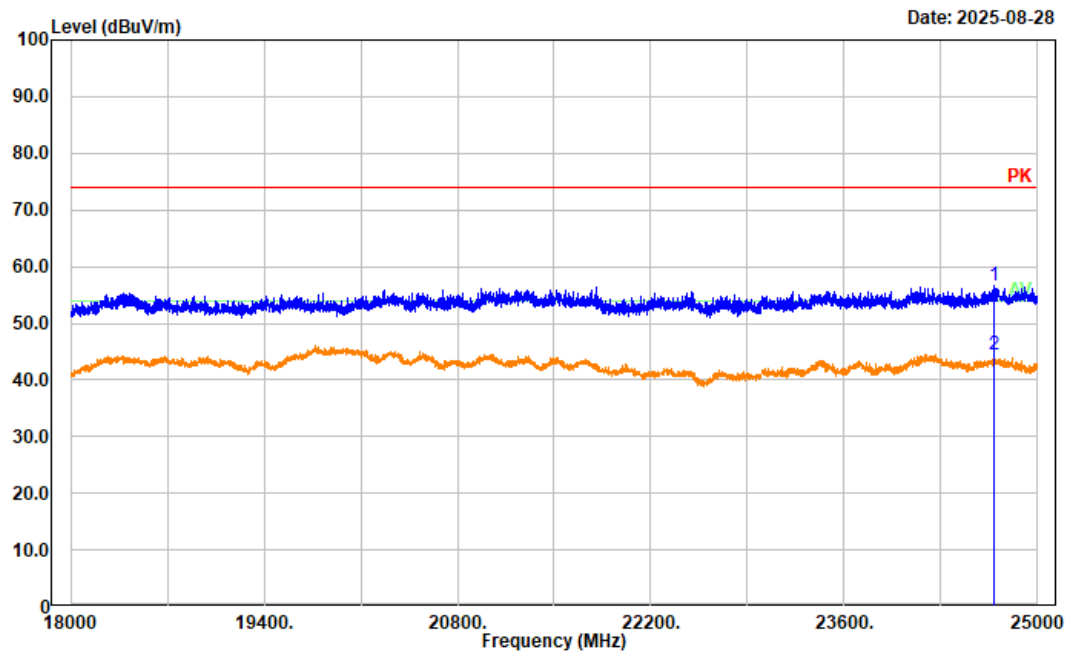
18-25GHz:

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: 3EDR Middle Channel 2441MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	20332.400	51.63	4.85	56.48	74.00	17.52	Peak
2	20332.400	39.17	4.85	44.02	54.00	9.98	Average

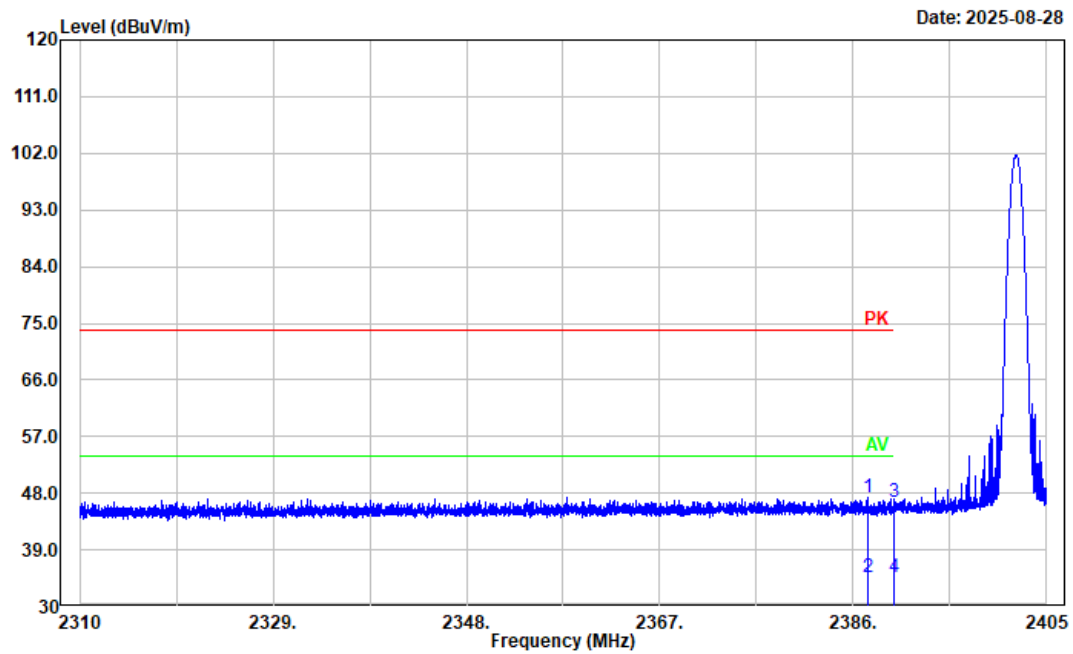
Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: 3EDR Middle Channel 2441MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	24679.400	51.15	5.37	56.52	74.00	17.48	Peak
2	24679.400	39.00	5.37	44.37	54.00	9.63	Average

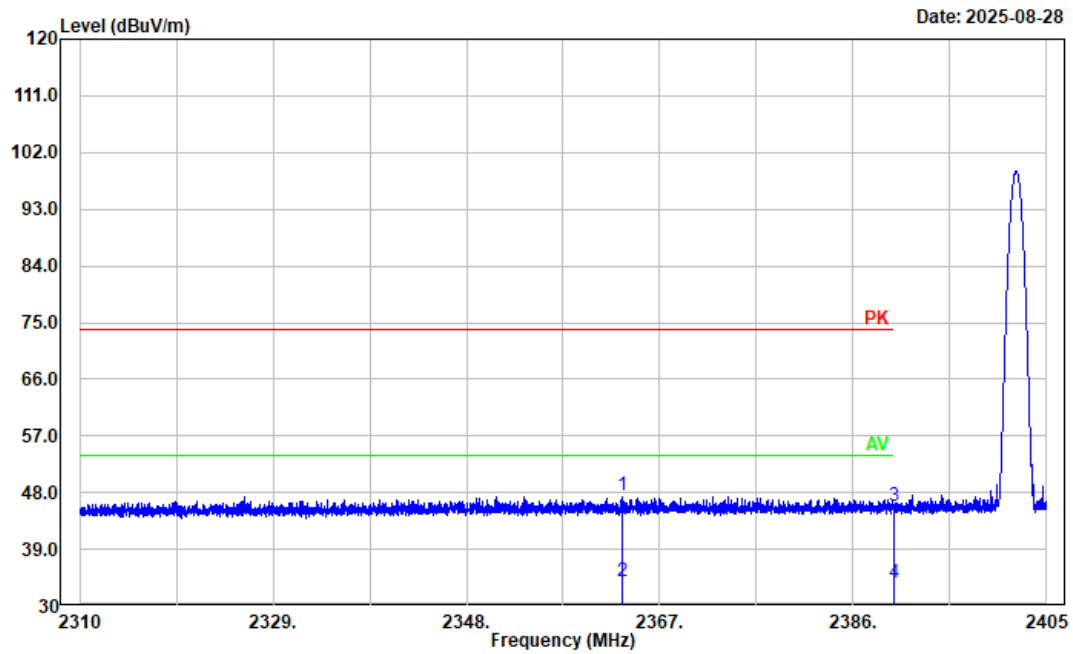
Band edge test plots
BDR Mode (GFSK)

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: BDR Low Channel 2402MHz



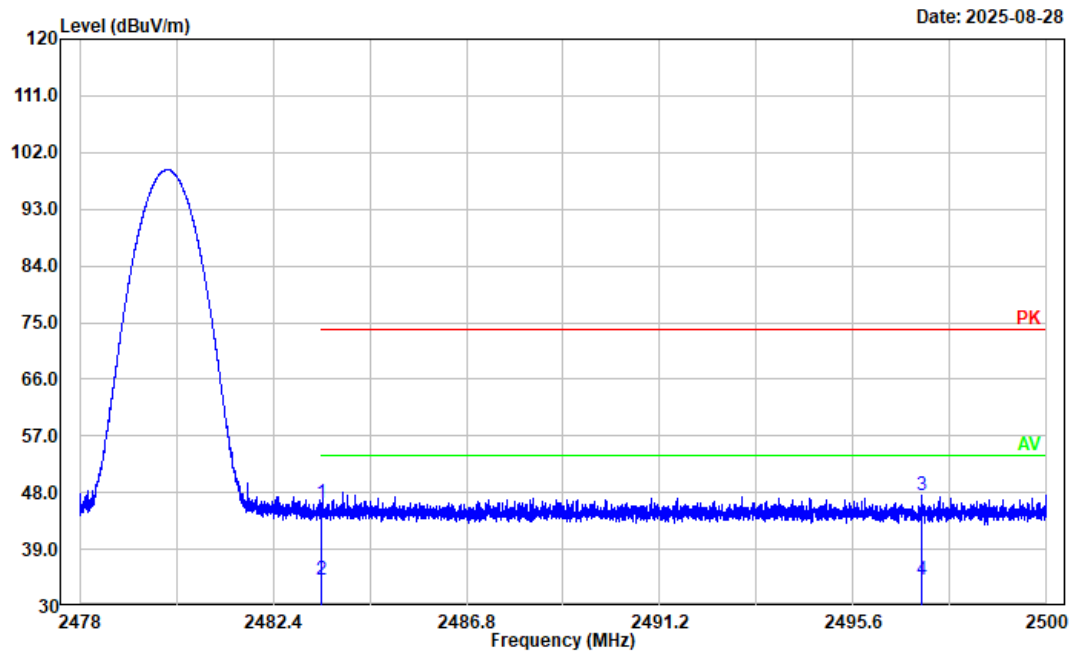
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2387.463	60.54	-13.16	47.38	74.00	26.62	Peak
2	2387.463	47.84	-13.16	34.68	54.00	19.32	Average
3	2390.000	59.67	-13.14	46.53	74.00	27.47	Peak
4	2390.000	47.66	-13.14	34.52	54.00	19.48	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: BDR Low Channel 2402MHz



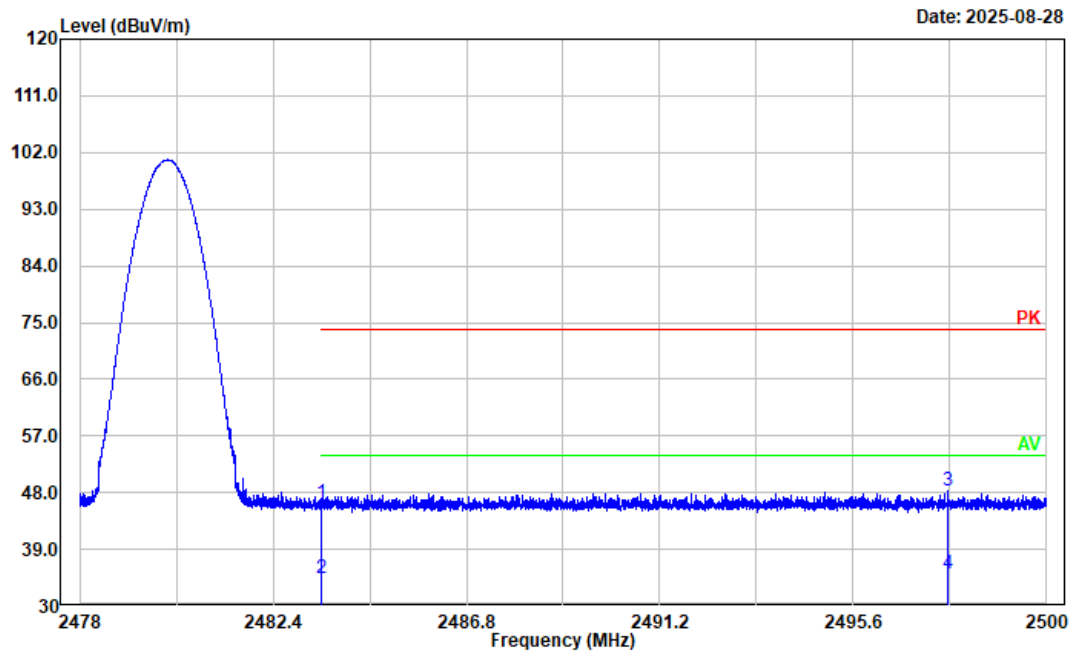
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2363.371	60.71	-13.27	47.44	74.00	26.56	Peak
2	2363.371	47.18	-13.27	33.91	54.00	20.09	Average
3	2390.000	58.95	-13.14	45.81	74.00	28.19	Peak
4	2390.000	46.68	-13.14	33.54	54.00	20.46	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: BDR High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2483.500	59.28	-12.86	46.42	74.00	27.58	Peak
2	2483.500	47.08	-12.86	34.22	54.00	19.78	Average
3	2497.171	60.32	-12.81	47.51	74.00	26.49	Peak
4	2497.171	47.06	-12.81	34.25	54.00	19.75	Average

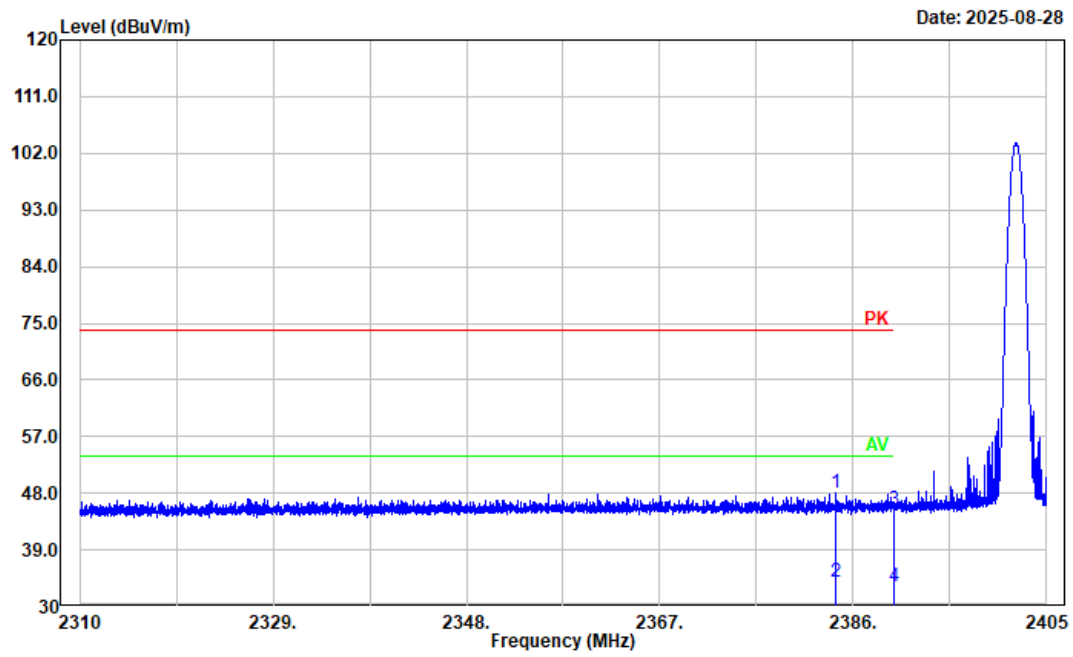
Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: BDR High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2483.500	59.15	-12.86	46.29	74.00	27.71	Peak
2	2483.500	47.37	-12.86	34.51	54.00	19.49	Average
3	2497.765	61.14	-12.80	48.34	74.00	25.66	Peak
4	2497.765	47.82	-12.80	35.02	54.00	18.98	Average

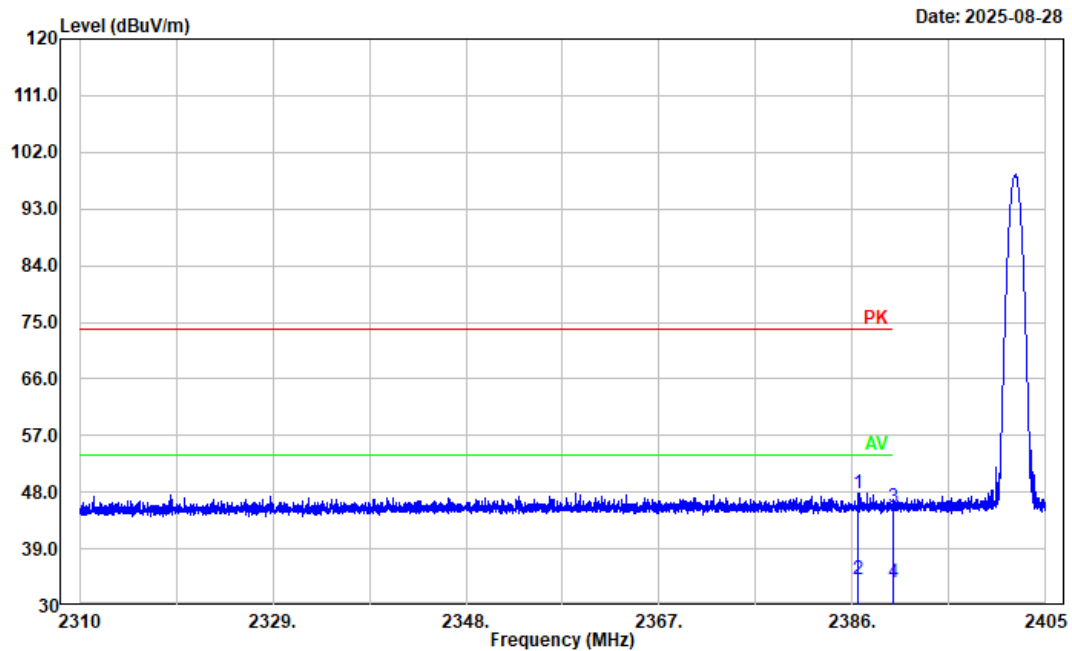
2EDR Mode ($\pi/4$ -DQPSK)

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: 2EDR Low Channel 2402MHz



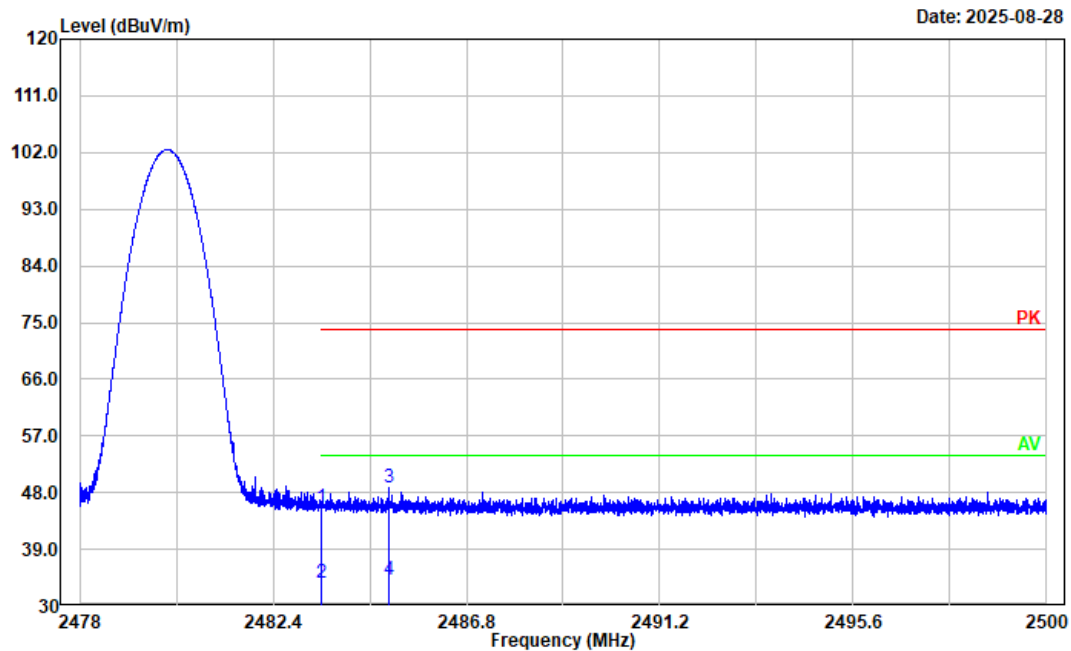
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2384.328	61.16	-13.17	47.99	74.00	26.01	Peak
2	2384.328	47.19	-13.17	34.02	54.00	19.98	Average
3	2390.000	58.56	-13.14	45.42	74.00	28.58	Peak
4	2390.000	46.35	-13.14	33.21	54.00	20.79	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 2EDR Low Channel 2402MHz



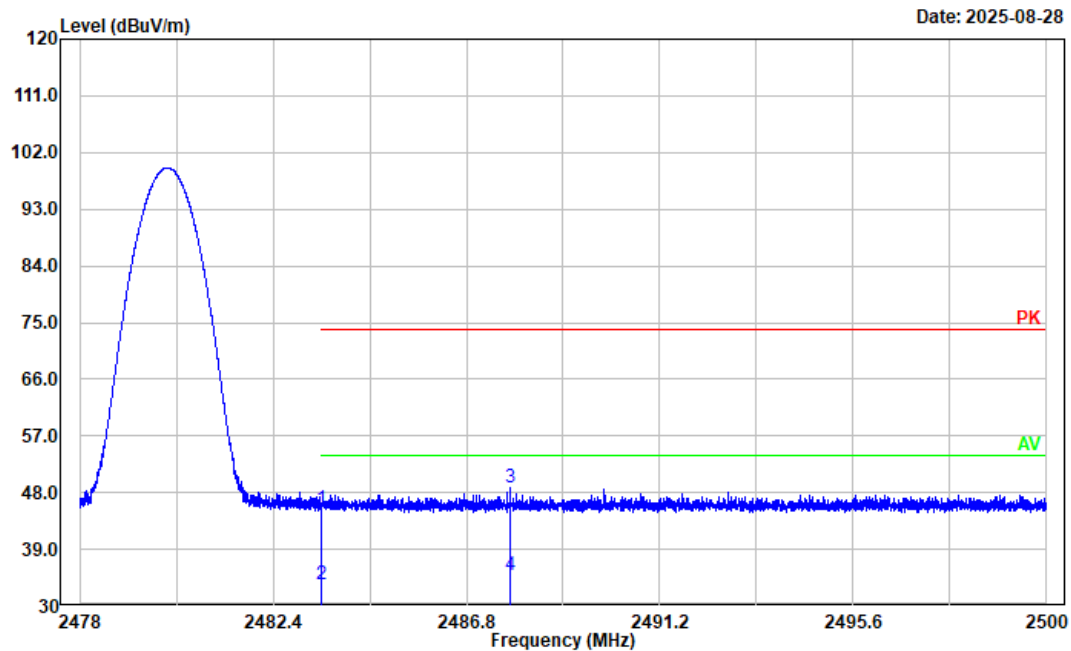
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2386.608	61.07	-13.16	47.91	74.00	26.09	Peak
2	2386.608	47.41	-13.16	34.25	54.00	19.75	Average
3	2390.000	58.87	-13.14	45.73	74.00	28.27	Peak
4	2390.000	46.70	-13.14	33.56	54.00	20.44	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: 2EDR High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2483.500	58.54	-12.86	45.68	74.00	28.32	Peak
2	2483.500	46.42	-12.86	33.56	54.00	20.44	Average
3	2485.036	61.65	-12.85	48.80	74.00	25.20	Peak
4	2485.036	46.97	-12.85	34.12	54.00	19.88	Average

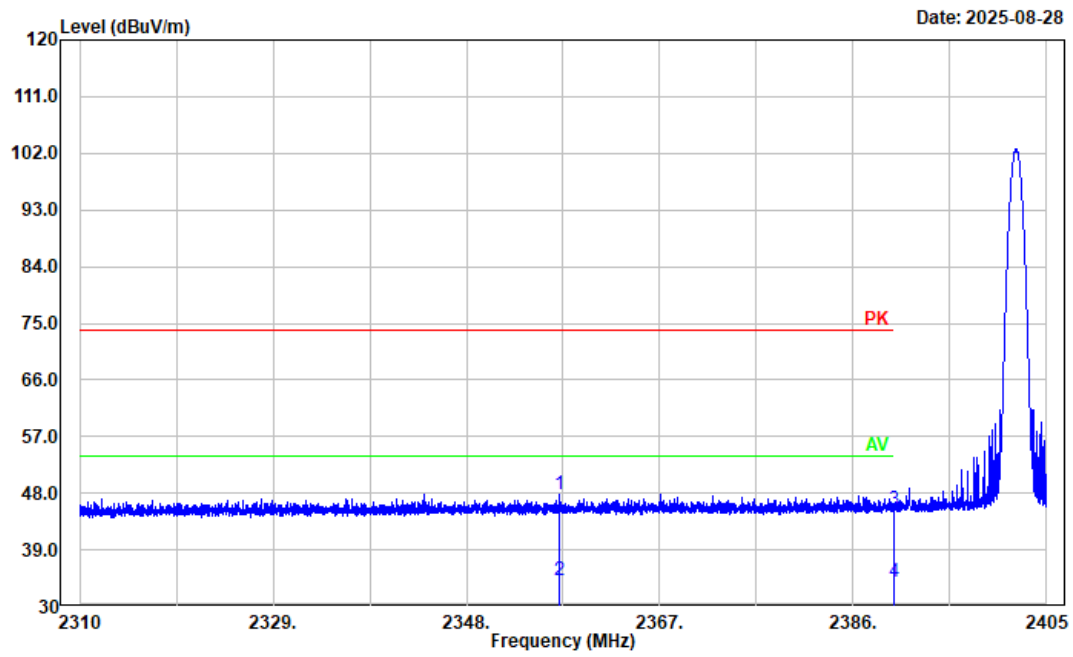
Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 2EDR High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2483.500	58.17	-12.86	45.31	74.00	28.69	Peak
2	2483.500	46.20	-12.86	33.34	54.00	20.66	Average
3	2487.794	61.63	-12.84	48.79	74.00	25.21	Peak
4	2487.794	47.71	-12.84	34.87	54.00	19.13	Average

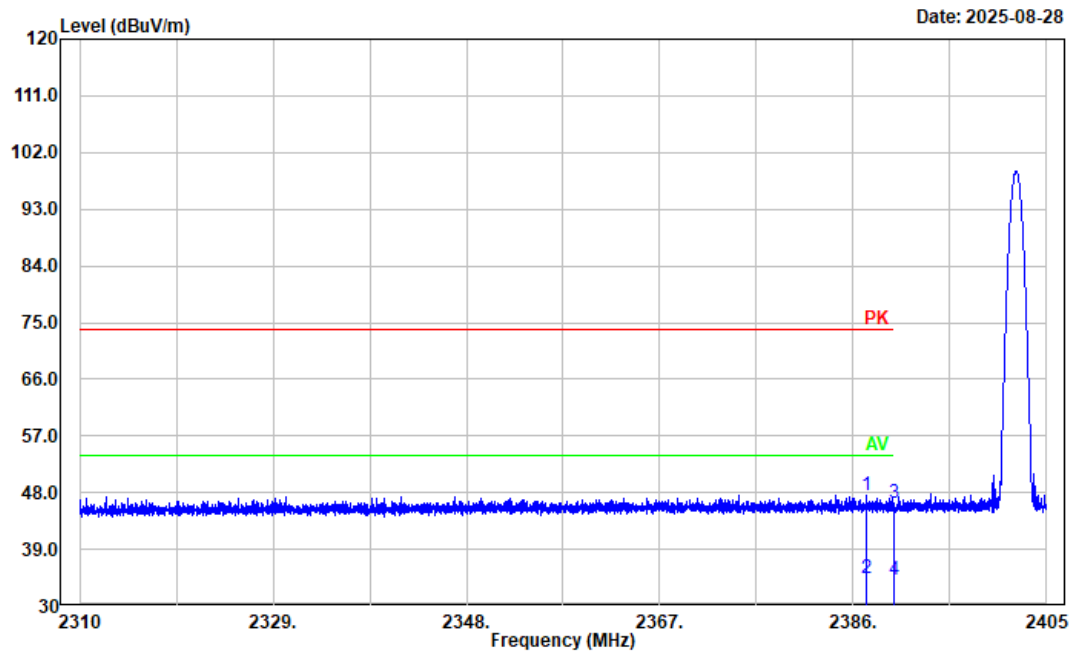
3EDR Mode (8DPSK)

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: 3EDR Low Channel 2402MHz



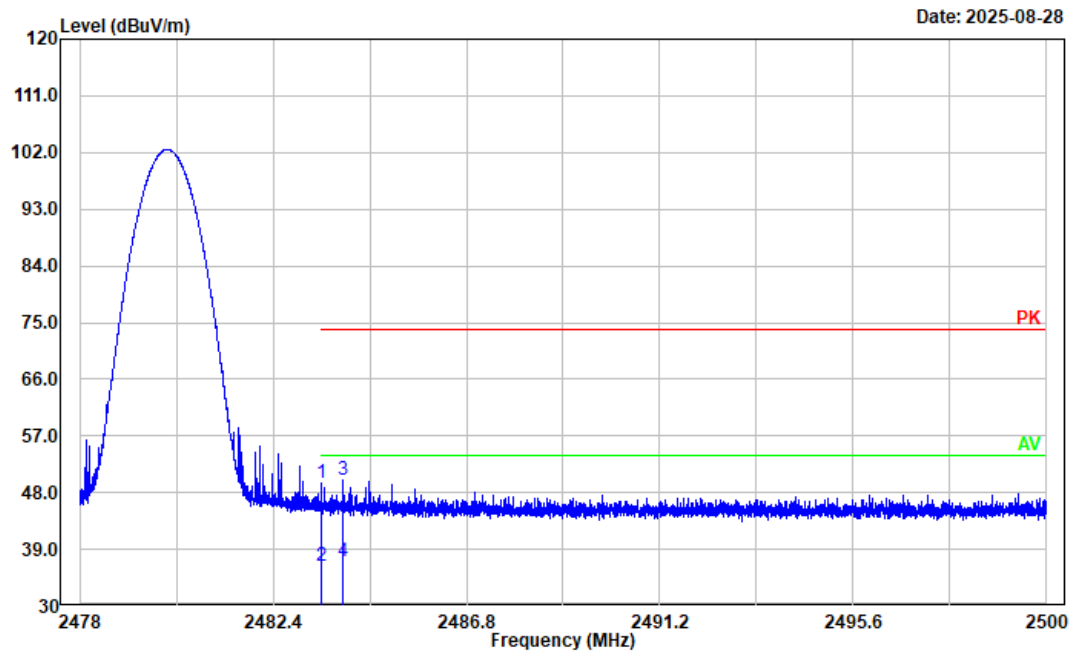
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2357.101	61.07	-13.29	47.78	74.00	26.22	Peak
2	2357.101	47.52	-13.29	34.23	54.00	19.77	Average
3	2390.000	58.51	-13.14	45.37	74.00	28.63	Peak
4	2390.000	46.98	-13.14	33.84	54.00	20.16	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 3EDR Low Channel 2402MHz



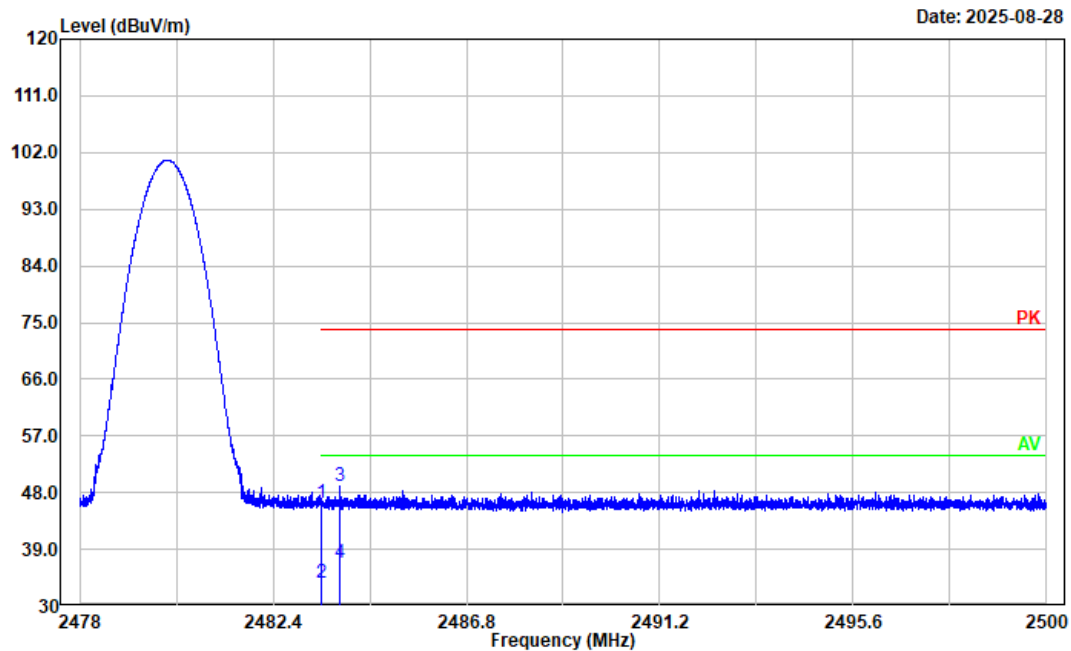
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2387.254	60.84	-13.16	47.68	74.00	26.32	Peak
2	2387.254	47.50	-13.16	34.34	54.00	19.66	Average
3	2390.000	59.49	-13.14	46.35	74.00	27.65	Peak
4	2390.000	47.36	-13.14	34.22	54.00	19.78	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: 3EDR High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2483.500	62.48	-12.86	49.62	74.00	24.38	Peak
2	2483.500	49.08	-12.86	36.22	54.00	17.78	Average
3	2484.002	62.95	-12.85	50.10	74.00	23.90	Peak
4	2484.002	49.91	-12.85	37.06	54.00	16.94	Average

Project No.: 2503S31640E-RF
Tester: Peter Rong
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: 3EDR High Channel 2480MHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	2483.500	59.19	-12.86	46.33	74.00	27.67	Peak
2	2483.500	46.42	-12.86	33.56	54.00	20.44	Average
3	2483.931	61.91	-12.85	49.06	74.00	24.94	Peak
4	2483.931	49.59	-12.85	36.74	54.00	17.26	Average

4.3 Spot Check With Maximum Conducted Output Power

Sample Number:	310A-2	Test Date:	2025/8/28
Test Site:	RF	Test Mode:	Transmitting
Tester:	Chloe Zhao	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.6	Relative Humidity: (%)	57	ATM Pressure: (kPa)	100.9
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU 26	200256	2025/3/31	2026/3/30
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

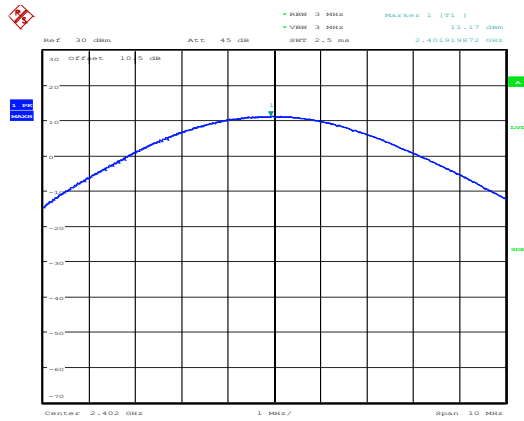
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data

Test Modes	Test Frequency (MHz)	Peak Conducted Output Power (dBm)	Limits (dBm)
EDR Mode (8DPSK)	2402	11.17	21
	2441	11.47	21
	2480	10.1	21

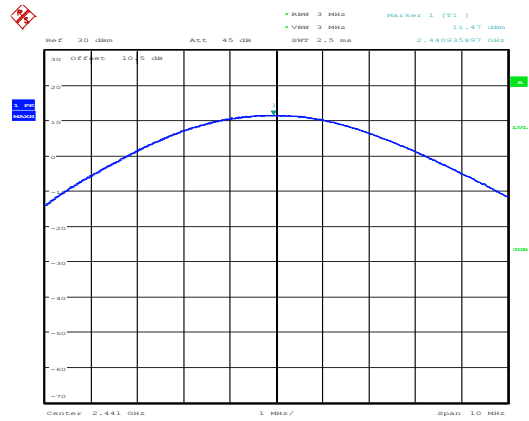
Note: The Spot Check data was similar to the original data.

3DH5-2402 MHz



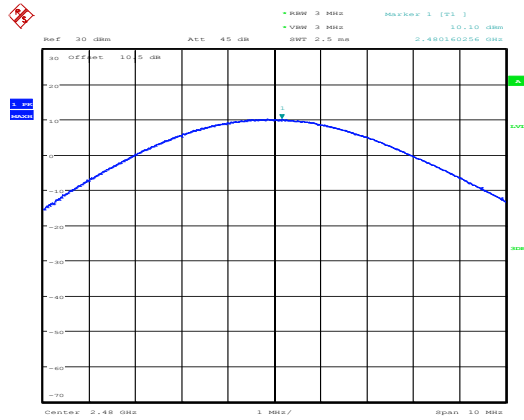
ProjectNo.:2503S31640E-RF Tester:Chloe Zhao
Date: 28.AUG.2025 14:51:44

3DH5-2441 MHz



ProjectNo.:2503S31640E-RF Tester:Chloe Zhao
Date: 28.AUG.2025 14:54:29

3DH5-2480 MHz



ProjectNo.:2503S31640E-RF Tester:Chloe Zhao
Date: 28.AUG.2025 14:59:42

5. EUT PHOTOGRAPHS

Please refer to the attachment 2503S31640E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2503S31640E-RF-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2503S31640E-RF-00D-TSP TEST SETUP PHOTOGRAPHS.

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