

FCC PART 15.407

TEST REPORT

For

AgiBot Innovation(Shanghai) Technology Co.,Ltd.

8/F, Building 29, No.2555 Xiupu Road, Pudong New Area, Shanghai, China

FCC ID: 2BTPT-ZYCXD125M

Report Type: Original Report	Product Name: AGIBOT Quadraped Robot
Report Number:	RBJ260304001-00D
Report Date:	2026-07-04
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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government. This report contains data that are not covered by the NVLAP accreditation.

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RBJ260304001-00D	R1V1	2026-07-04	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	AgiBot Innovation(Shanghai) Technology Co.,Ltd.
Product Name:	AGIBOT Quadruped Robot
Tested Model:	ZYCXD125M
Power Supply:	DC 54V from battery
RF Function:	5.8G SRD
Operating Band/Frequency:	10M: 5730-5840 MHz 20M: 5750-5840 MHz
Maximum Average Power:	10M: 8.45 dBm 20M: 8.05 dBm
Channel Number:	6
Modulation Type:	OFDM
Antenna Type:	External Antenna
★Maximum Antenna Gain:	Chain 0: -0.4 dBi Chain 1: 5.2 dBi

Battery Charging Stand Information:

Model: ZSM-1-C01

Input: AC 100 - 240V, 50/60Hz, 15A

Output: DC 63.0V 20A

Note: The maximum antenna gain was provided by the applicant.

All measurement and test data in this report was gathered from production sample serial number: RBJ260304001-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2026-03-04.)

Objective

This type approval report is prepared for AgiBot Innovation(Shanghai) Technology Co.,Ltd. in accordance with Part 2-Subpart J, Part 15-Subparts A and E of the Federal Communication Commissions' rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart E, section 15.203, 15.205, 15.209 and 15.407 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024[▲], American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19 dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emission	9 kHz~150 kHz	3.8dB
	150 kHz~30 MHz	3.4dB
	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
Occupied Bandwidth		0.5kHz
Temperature		1.0℃
Humidity		6%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No.: CN5055.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

Test channel list as below:

For **5730~5840 MHz** band,
10M mode Channel 1,3,6 was tested.
For **5750~5840 MHz** band,
20M mode Channel 2,3,6 was tested.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	5730	4	5800
2	5750	5	5820
3	5780	6	5840

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

The system was configured for testing in Engineering Mode, which was provided by the manufacturer.

RF test tool: Artosyn8030PCT.exe

5730~5840 MHz band

Bandwidth	Frequency(MHz)	*Power Level Setting	
		Chain 0	Chain 1
10 M	5730	15	15
	5780	15	15
	5840	15	15
20 M	5750	15	15
	5780	15	15
	5840	15	15

Note:

1. The power level was declared by the applicant.
2. This EUT only supports MIMO mode.

Environmental Conditions & Test Information

Test Date:	2026-04-04
Temperature:	25.5 °C
Relative Humidity:	62 %
ATM Pressure:	103.3kPa
Test Engineer:	Neil Zhou

10 M

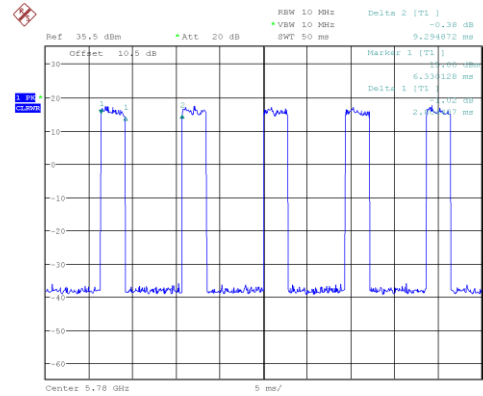
Antenna	Channel	Duty Cycle (%)	T_{on}(ms)	Ton+off(ms)	Duty Cycle Factor(dB)
Chain 0	Middle	30.16	2.837	9.407	5.21
Chain 1	Middle	30.17	2.804	9.295	5.2

20 M

Antenna	Channel	Duty Cycle (%)	T_{on}(ms)	Ton+off(ms)	Duty Cycle Factor(dB)
Chain 0	Middle	29.91	2.804	9.375	5.24
Chain 1	Middle	30.17	2.804	9.295	5.2

Chain 1

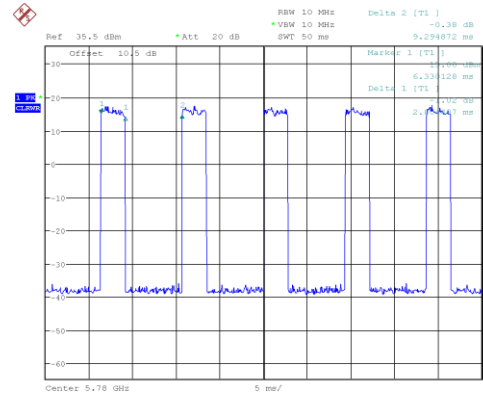
Middle Channel: 5780 MHz



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:37:08

Chain 1

Middle Channel: 5780 MHz



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:37:08

Note: Offset (10.5dB)= Attenuator(10dB)+Cable loss(0.5dB)

Equipment Modifications

No modification was made to the EUT.

Support Equipment List and Details

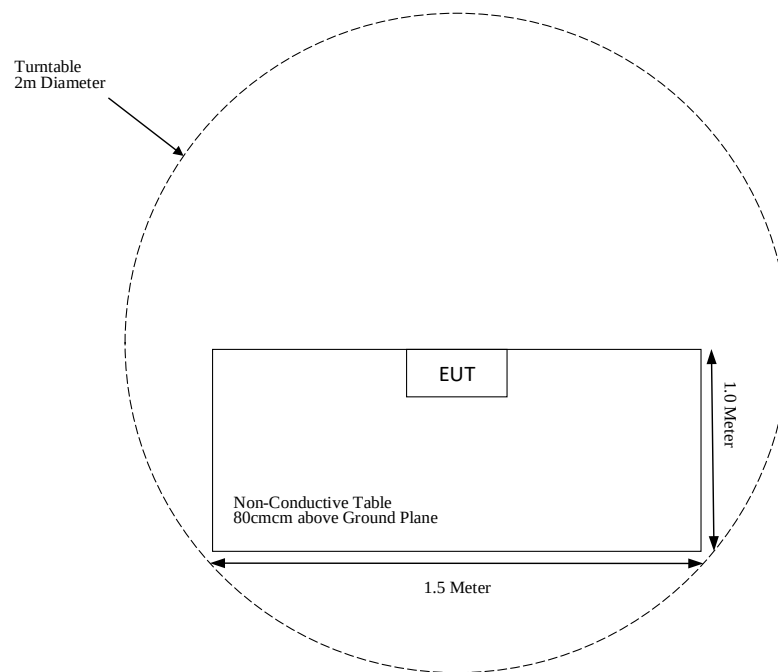
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

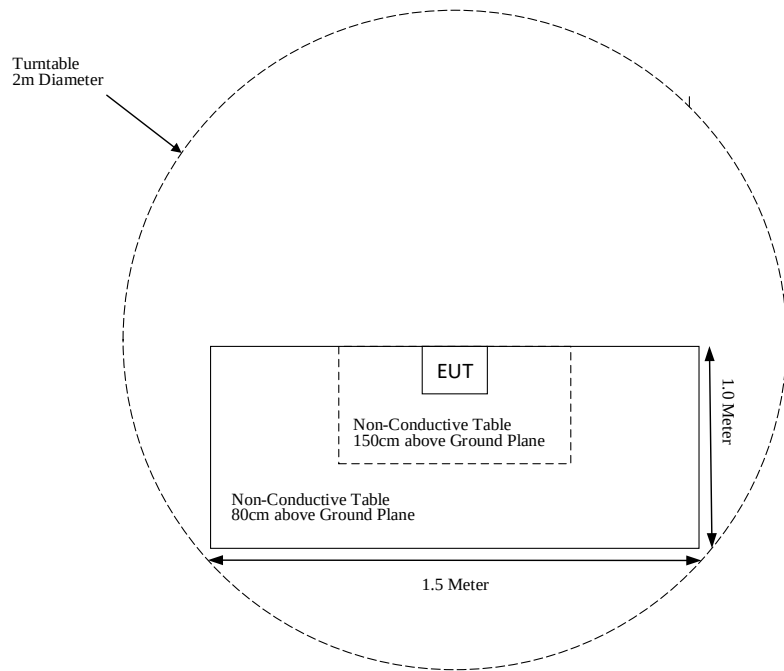
Cable Description	Length (m)	From Port	To Port
/	/	/	/

Block Diagram of Test Setup

For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1GHz):



TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber #1)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2026-03-13	2027-03-12
				2025-04-08	2026-04-07
Sunol Sciences	Hybrid Antenna	JB3	A090314-2	2024-10-29	2027-10-28
BACL	Active Loop Antenna	1313-1A	4041511	2025-08-10	2028-08-09
Narda	6 dB Attenuator	771-6	10690812-2-1	2024-10-29	2027-10-28
Sonoma Instrument	Pre-amplifier	310N	171205	2026-03-13	2027-03-12
				2025-04-08	2026-04-07
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-8	008	2026-03-13	2027-03-12
				2025-04-08	2026-04-07
MICRO-COAX	Coaxial Cable	Cable-9	009	2026-03-13	2027-03-12
				2025-04-08	2026-04-07
MICRO-COAX	Coaxial Cable	Cable-10	010	2026-03-13	2027-03-12
				2025-04-08	2026-04-07
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2026-03-16	2027-03-15
EMCO	Horn Antenna	3115	9207-3900	2024-11-03	2027-11-02
ETS-LINDGREN	Horn Antenna	3116	2516	2024-12-12	2027-12-11
A.H.Systems,inc	Amplifier	PAM-0118P	512	2026-03-16	2027-03-15
SELECTOR	Amplifier	EM18G40G	60726	2026-03-16	2027-03-15
MICRO-TRONICS	Band Reject Filter	BRM50716	G059	2026-03-16	2027-03-15
Narda	Attenuator	10dB	010	2026-03-16	2027-03-15
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-25	025	2026-03-12	2027-03-11
MICRO-COAX	Coaxial Cable	Cable-11	011	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-12	012	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-13	013	2026-03-16	2027-03-15
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyzer	FSU26	200103	2026-03-16	2027-03-15
Rohde & Schwarz	Spectrum Analyzer	FSV40	101116	2026-03-16	2027-03-15
Narda	Attenuator	10dB	010	2026-03-16	2027-03-15
Anritsu	Power Sensor	MA24418A	12621	2026-03-13	2027-03-12
XHFDZ	RG178 Coaxial Cable	SMA-178	XHF-1102	Each time	N/A

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliant
§15.203	Antenna Requirement	Compliant
§15.207 & §15.407(b) (9)	AC Power Line Conducted Emissions	Not Applicable (See Note)
§ 15.205 & §15.209 & §15.407(b)	Undesirable Emission & Restricted Bands	Compliant
§§15.407(a) & §15.407(e)	Emission Bandwidth	Compliant
§15.407(a)	Conducted Transmitter Output Power	Compliant
§15.407(a)	Power Spectral Density	Compliant

Note: The EUT is powered by battery.

FCC §1.1310 & §2.1091 - MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart §2.1091 and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	Averaging Time (minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculated Formulary

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Calculated Data:

Mode	Frequency Range (MHz)	Antenna Gain		★Tune-up Output Power		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G WiFi	2412-2462	4.4	2.75	24	251.19	20	0.1374	1.0
5G WiFi	5150-5250	3.8	2.40	18	63.10	20	0.0301	1.0
	5250-5350	4.0	2.51	18	63.10	20	0.0315	1.0
	5470-5725	5.0	3.16	15	31.62	20	0.0199	1.0
	5725-5850	5.5	3.55	20	100.00	20	0.0706	1.0
2.4G SRD	2411-2466	3.6	2.29	20	100.00	20	0.0456	1.0
5.8G SRD	5730-5840	5.2	3.31	9	7.94	20	0.0052	1.0
Classic BT	2402-2480	4.7	2.95	2	1.58	20	0.0009	1.0

Note:

1. For the above tune up power were declared by the manufacturer.
2. WiFi, SRD and Classic BT can transmit simultaneously.

$$\sum_i \frac{S_i}{S_{Limit,i}} = 0.1374 + 0.0456 + 0.0009 = 0.1839 < 1.0$$

Result: The device meet FCC MPE at 20 cm distance.

FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

According to § 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 user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.407, if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

This EUT has two external antenna, which are permanently attached to the EUT, antenna gain is -0.4 dBi for chain 0; 5.2 dBi for chain 1, fulfill the requirement of this section, please refer to the EUT photos

Antenna	Antenna Type	Frequency Range	Max. Antenna Gain	Input impedance
Chain 0	External Antenna	5730~5840 MHz	-0.4 dBi	50Ω
Chain 1			5.2 dBi	

Result: Compliant.

§15.205 & §15.209 & §15.407(B) – UNDESIRABLE EMISSION & RESTRICTED BANDS

Applicable Standard

FCC §15.407 (b); §15.209; §15.205;

(b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

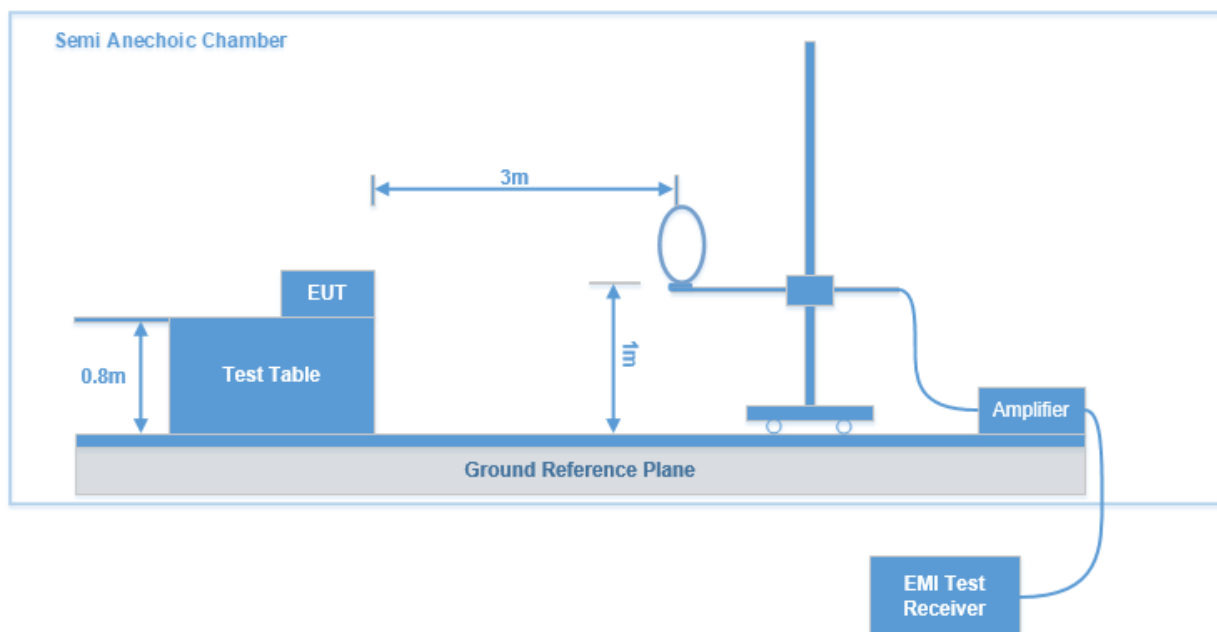
(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

As per FCC §15.35(d): Unless otherwise specified, on any frequency or frequencies above 1000MHz, the radiated emission limits are based on the use of measurement instrumentation employing an average detector function. Unless otherwise specified, measurements above 1000MHz shall be performed using a minimum resolution bandwidth of 1MHz.

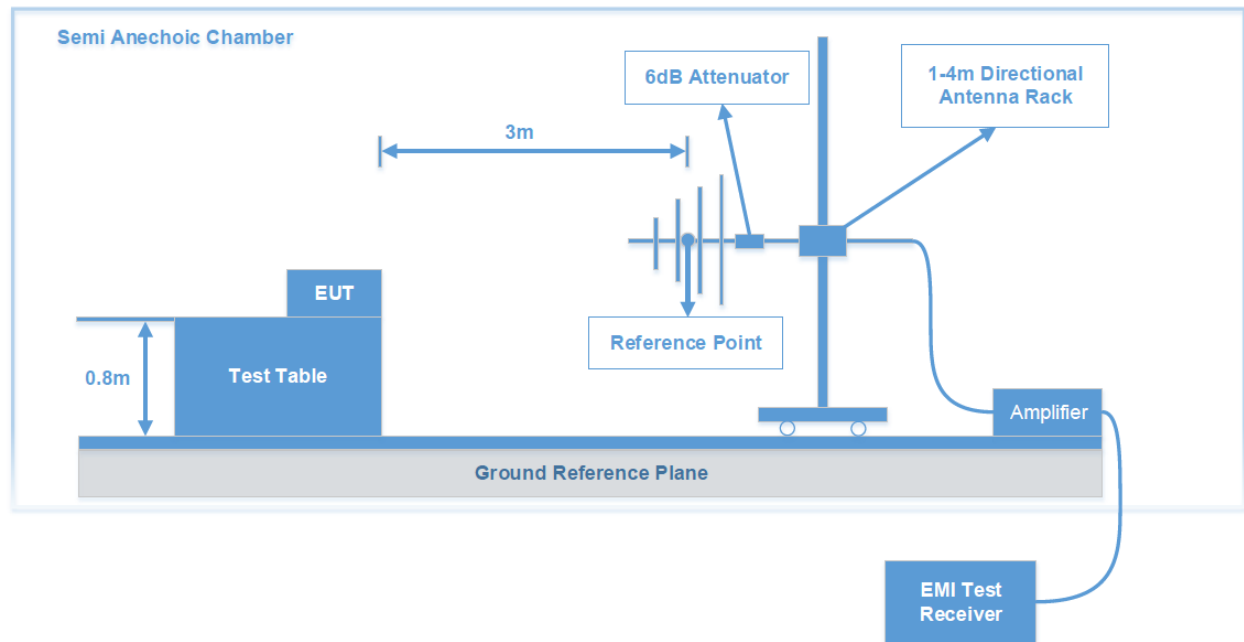
According to 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: $E [dB\mu V/m] = EIRP [dBm] + 95.2$, for $d = 3$ meters.

Test System Setup

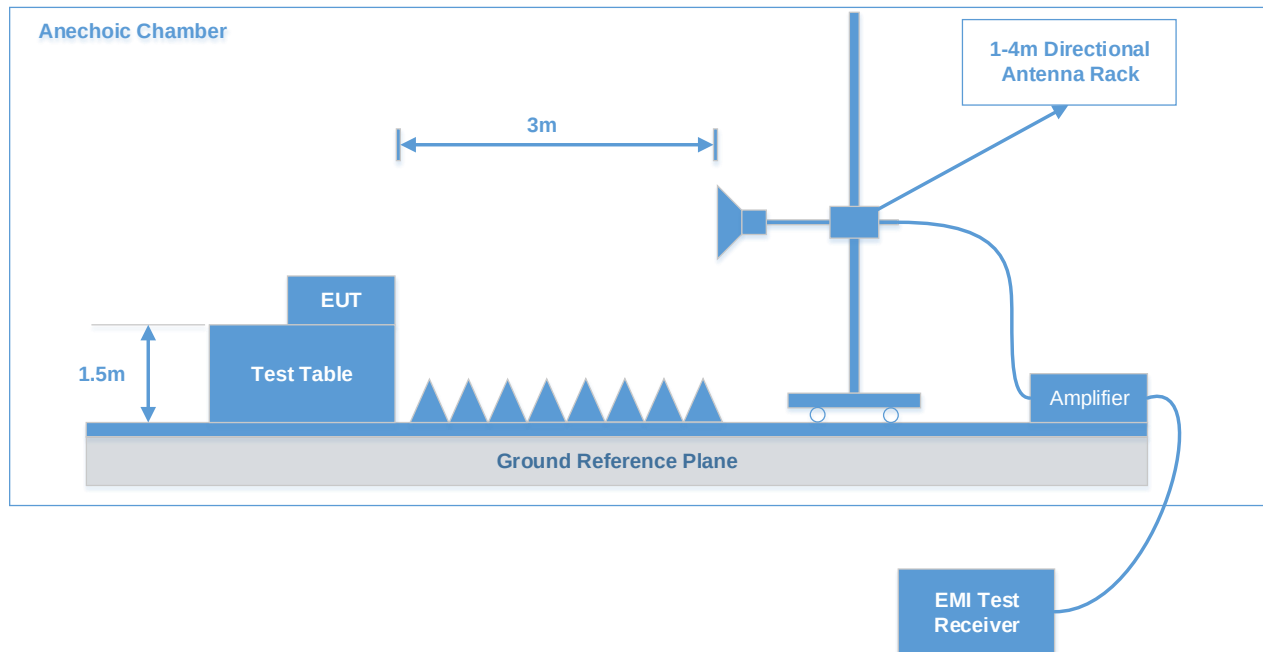
9 kHz - 30 MHz:



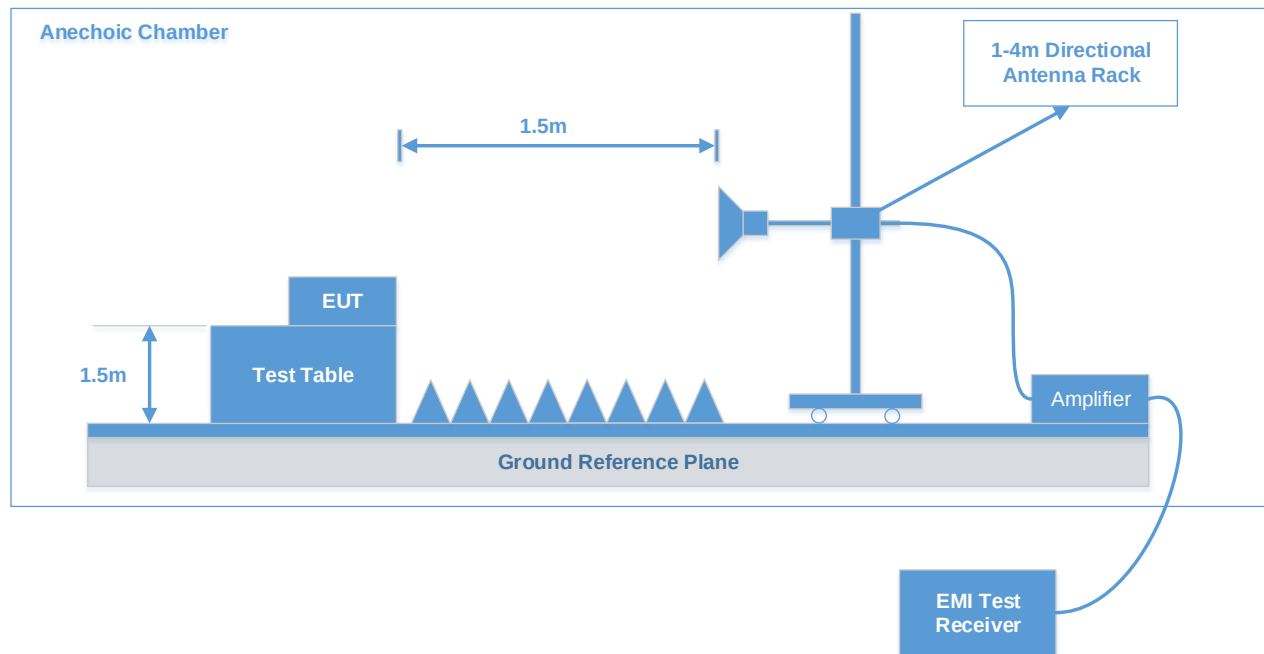
30 MHz - 1 GHz:



1 GHz - 18 GHz:



18 GHz - 40 GHz:



The radiated emission tests were performed in the 3 meters test site for below 18GHz and 1.5m for 18-40 GHz, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209 and FCC 15.407 limits.

According to ANSI C63.10 - 2020,9.2.1: For field strength measurements made at other than the distance specified by the limit, extrapolate the measured field strength to the field strength at the distance specified by the limit using an inverse distance correction factor (20 dB/decade of distance)

$$E_{SpecLimit} = E_{Meas} + 20 \log \left(\frac{D_{Meas}}{D_{SpecLimit}} \right)$$

Where

- $E_{SpecLimit}$ is the field strength of the emission at the distance specified by the limit, in dBuV/m
- E_{Meas} is the field strength of the emission at the measurement distance, in dBuV/m
- D_{Meas} is the measurement distance, in m
- $D_{SpecLimit}$ is the distance specified by the limit, in m

So the extrapolation factor of 1m is $20 \cdot \log(1.5/3) = -6.0$ dB, for 18 - 40GHz range, the limit of 1.5m distance was added by 6.0dB from limit of 3m to compared with the result measurement at 1.5m distance.

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.

EMI Test Receiver & Spectrum Analyzer Setup

During the radiated emission test, the EMI test receiver Setup was set with the following configurations:

Frequency Range	RBW	VBW	IF B/W	Measurement	Detector
9 kHz - 150 kHz	200 Hz	1 kHz	200 Hz	Peak/QP/Average	Peak/QP/Average
150 kHz - 30 MHz	9 kHz	30 kHz	9 kHz	Peak/QP/Average	Peak/QP/Average
30 MHz - 1000 MHz	100 kHz	300 kHz	/	Peak	Peak
	/	/	120 kHz	QP	QP
Above 1GHz	1MHz	3 MHz	/	Peak	Peak
	1MHz	3 MHz	/	Average	Average

For 9 kHz-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.

Test Procedure

During the radiated emission test, the adapter was connected to AC floor outlet. Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

If the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude (dB}\mu\text{V/m)} = \text{Meter Reading (dB}\mu\text{V)} + \text{Corrected factor (dB/m)}$$

$$\text{Corrected factor (dB/m)} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Amplifier Gain (dB)}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin (dB)} = \text{Limit (dB}\mu\text{V/m)} - \text{Corrected Amplitude (dB}\mu\text{V/m)}$$

Note: The QuasiPeak (dB μ V/m), MaxPeak (dB μ V/m), Average (dB μ V/m) which shown in the data table are all Corrected Amplitude.

Test Data: See Appendix

FCC §15.407(a) & §15.407(e) – EMISSION BANDWIDTH

Applicable Standard

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure**1. Emission Bandwidth (EBW)**

- a) Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = peak.
- d) Trace mode = max-hold.
- e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz

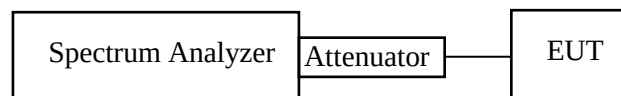
Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ 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. Occupied bandwidth

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 at least 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 4.1.6.2.
- 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 spectral 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).



Note: Offset (10.5dB) = Attenuator(10dB) + Cable loss(0.5dB)

Test Data: See Appendix

FCC §15.407(a) – CONDUCTED TRANSMITTER OUTPUT POWER

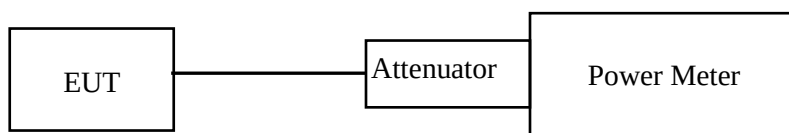
Applicable Standard

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple colocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

Test Procedure

According to ANSI C63.10-2020 sub-clause 12.4.3.2.

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



Note: Offset (10.5dB) = Attenuator(10dB) + Cable loss(0.5dB)

Test Data: See Appendix

FCC §15.407(a) - POWER SPECTRAL DENSITY

Applicable Standard

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

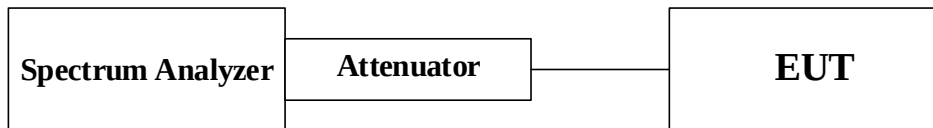
Test Procedure

The measurements are base on C63.10:2020

Duty cycle $\geq 98\%$,Method SA-1 should be applied.

Duty cycle $< 98\%$, duty cycle variations are less than $\pm 2\%$,Method SA-2 should be applied.

Duty cycle $< 98\%$, duty cycle variations exceed $\pm 2\%$,Method SA-3 should be applied.



Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Test Data: See Appendix

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT D - TEST SETUP PHOTOGRAPHS.

APPENDIX - TEST DATA

Transmitter Unwanted Emissions & Restricted frequency bands

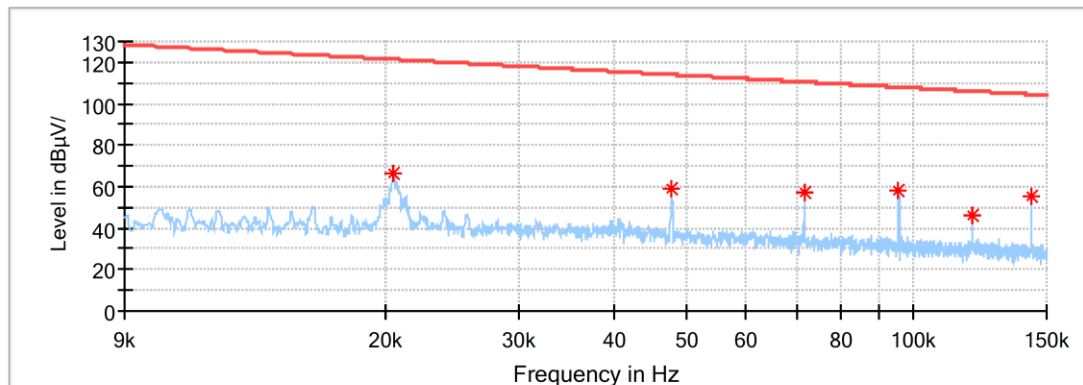
Environmental Conditions & Test Information

Test Item:	SPURIOUS EMISSIONS			
	9kHz – 30MHz	30 MHz - 1 GHz	1 GHz - 18 GHz	18 GHz - 40 GHz
Test Date:	2026-04-14	2026-03-09	2026-03-23 & 2026-07-04	2026-04-03
Temperature:	19.4 °C	19.5 °C	18.1 °C & 24.5 °C	21.6 °C
Relative Humidity:	62 %	54 %	49 % & 48%	53 %
ATM Pressure:	101.4 kPa	102.5 kPa	102.2 kPa & 101.9 kPa	102.5 kPa
Test Result:	Pass	Pass	Pass	Pass
Test Engineer:	Scarf Yang	Scarf Yang	Destine Hu	Hugh Wu

EUT operation mode: Transmitting

9 kHz-150 kHz**Transmitting in maximum output power 10M high channel (Chain 0 + Chain 1)****Parallel(worst case)****High Channel 5840 MHz****Common Information**

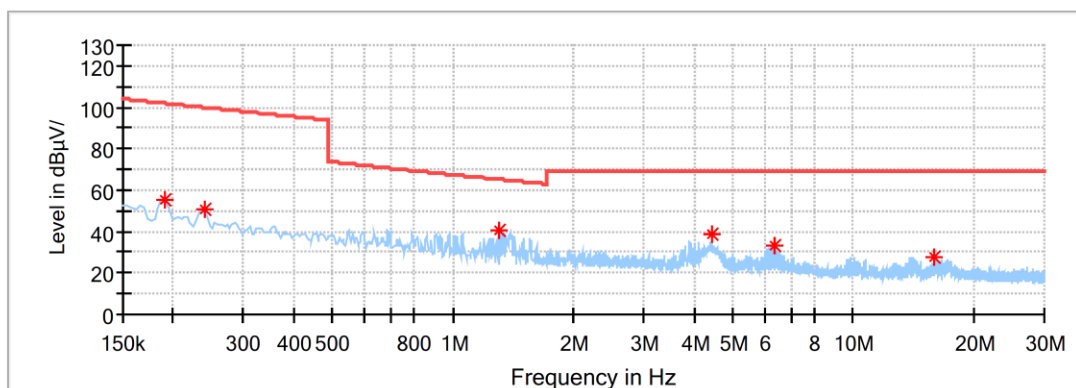
Project No: RBJ260304001
EUT Model: ZYCXD125M
Test Mode: Transmitting in SRD mode high channel
Standard: RSS-247
Test Equipment: ESCI,1313-1A, 310N
Receiver Setting: RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature: 19.4°C
Humidity: 62%
Barometric Pressure: 101.4kPa
Test Engineer: Scarf Yang
Check by: Jenny Yang
Test Date: 2026/4/14

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.020421	66.59	121.40	54.81	Parallel	-0.1
0.047757	59.26	114.02	54.76	Parallel	-2.9
0.071657	57.09	110.50	53.41	Parallel	-5.8
0.095539	57.82	108.00	50.18	Parallel	-8.1
0.119421	46.22	106.06	59.84	Parallel	-9.3
0.143320	55.64	104.47	48.84	Parallel	-10.4

150 kHz - 30 MHz**Transmitting in maximum output power 10M high channel (Chain 0 + Chain 1)****Parallel(worst case)****High Channel 5840 MHz****Common Information**

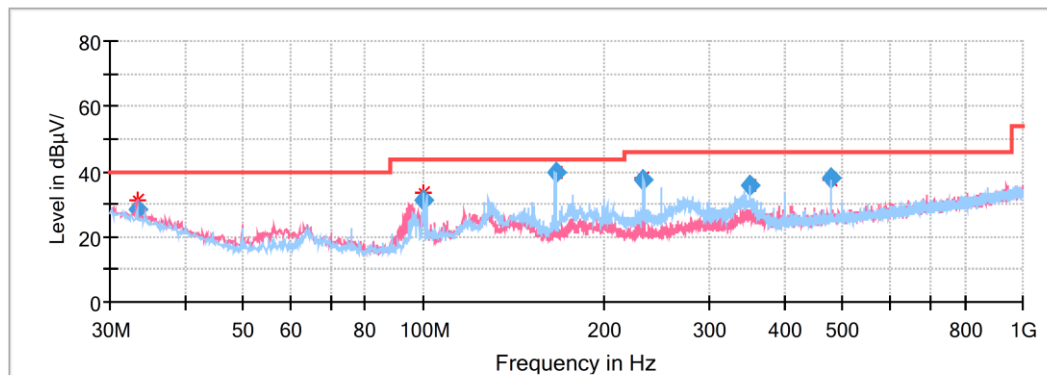
Project No: RBJ260304001
EUT Model: ZYCXD125M
Test Mode: Transmitting in SRD mode high channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW:9k Hz, VBW:30 kHz, Sweep Time: Auto
Temperature: 19.4℃
Humidity: 62%
Barometric Pressure: 101.4kPa
Test Engineer: Scarf Yang
Check by: Jenny Yang
Test Date: 2026/4/14

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.191044	55.68	101.89	46.21	Parallel	-12.4
0.239550	50.71	99.89	49.17	Parallel	-14.5
1.310419	40.29	65.12	24.83	Parallel	-28.1
4.429744	38.27	69.54	31.27	Parallel	-31.3
6.325219	33.53	69.54	36.01	Parallel	-31.6
15.933188	28.07	69.54	41.47	Parallel	-32.6

30MHz - 1GHz**Transmitting in maximum output power 10M high channel (Chain 0 + Chain 1)****High Channel: 5840 MHz****Common Information**

Project No:	RBJ260304001
EUT Model:	ZYCXD125M
Test Mode:	Transmitting in SRD mode high channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.407
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	19.5°C
Humidity:	54%
Barometric Pressure:	102.5kPa
Test Engineer:	Scar Yang
Check by:	Jenny Yang
Test Date:	2026/3/9

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
33.273750	28.14	40.00	11.86	V	-6.8
99.961250	30.99	43.50	12.51	H	-14.3
166.527500	39.49	43.50	4.01	H	-12.4
233.215000	37.59	46.00	8.41	H	-12.7
349.978750	36.00	46.00	10.00	H	-9.2
480.080000	38.23	46.00	7.77	H	-5.9

10M

1GHz - 18GHz:

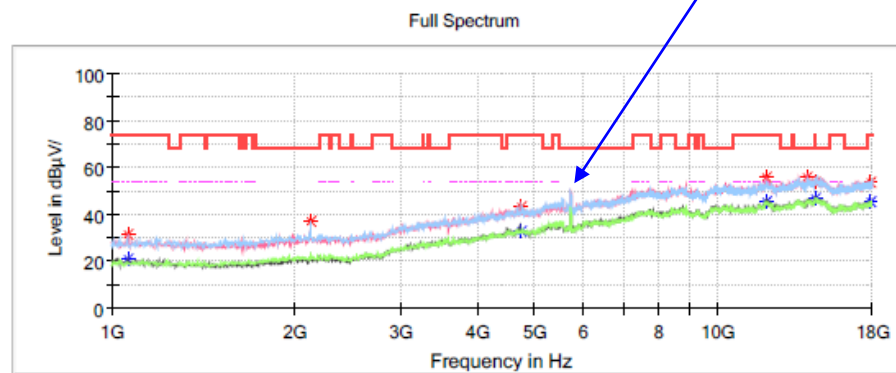
Chain 0 + Chain 1

Low Channel: 5730 MHz

Common Information

Project No.: RBJ260304001
EUT Model: ZYCXD125M
Test Mode: Transmitting in SRD Low Channel
Standard: FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 18.1°C
Humidity: 49%
Atmospheric Pressure: 102.2 kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/3/23

Fundamental Test with Band Reject Filter

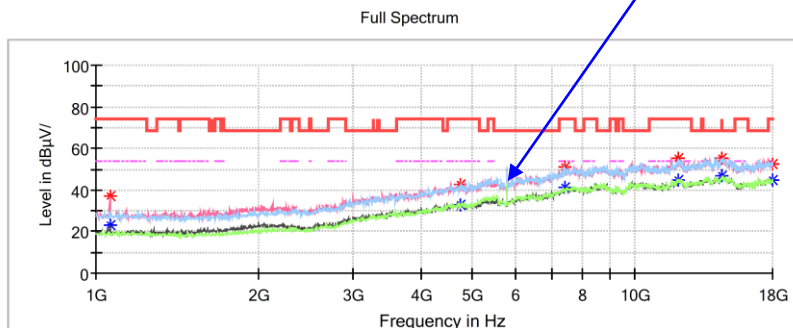
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µV/m)	Average (dB µV/m)	Limit (dB µV/m)	Margin (dB)	Pol	Corr. (dB/m)
1061.200000	31.53	---	74.00	42.47	V	-15.0
1061.200000	---	20.90	54.00	33.10	V	-15.0
2132.200000	36.97	---	68.20	31.23	V	-9.9
4757.000000	---	32.65	54.00	21.35	V	-3.5
4757.000000	43.39	---	74.00	30.61	V	-3.5
12002.400000	---	45.64	54.00	8.36	H	9.1
12002.400000	55.70	---	74.00	18.30	H	9.1
14073.000000	56.13	---	68.20	12.07	H	11.2
14498.000000	54.10	---	74.00	19.90	V	12.0
14498.000000	---	46.57	54.00	7.43	V	12.0
17928.600000	53.72	---	74.00	20.28	V	11.6
17928.600000	---	45.80	54.00	8.20	V	11.6

Middle Channel: 5780 MHz**Common Information**

Project No.: RBJ260304001
EUT Model: ZYCXD125M
Test Mode: Transmitting in SRD Middle Channel
Standard: FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 18.1°C
Humidity: 49%
Atmospheric Pressure: 102.2 kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/3/23

Fundamental Test with Band Reject Filter

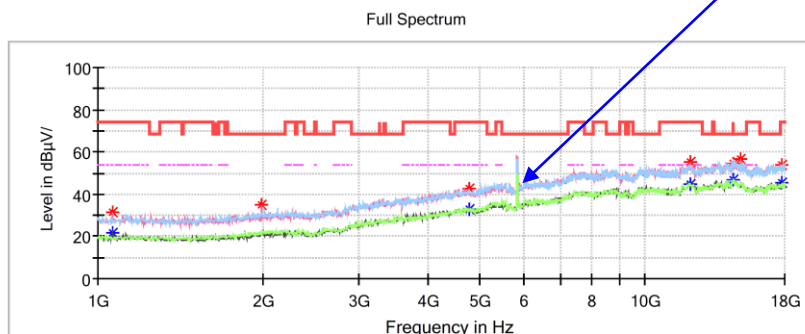
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1061.200000	37.33	---	74.00	36.67	V	-15.0
1061.200000	---	23.22	54.00	30.78	V	-15.0
4746.800000	42.70	---	74.00	31.30	H	-3.6
4746.800000	---	32.80	54.00	21.20	H	-3.6
7426.000000	---	40.93	54.00	13.07	V	2.8
7426.000000	50.90	---	74.00	23.10	H	2.8
12050.000000	---	44.65	54.00	9.35	H	9.0
12050.000000	55.30	---	74.00	18.70	H	9.0
14491.200000	---	46.59	54.00	7.41	V	12.0
14491.200000	55.54	---	74.00	18.46	H	12.0
17966.000000	52.65	---	74.00	21.35	H	11.7
17966.000000	---	45.10	54.00	8.90	H	11.7

High Channel: 5840 MHz**Common Information**

Project No.: RBJ260304001
EUT Model: ZYCXD125M
Test Mode: Transmitting in SRD High Channel
Standard: FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 18.1°C
Humidity: 49%
Atmospheric Pressure: 102.2 kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/3/23

Fundamental Test with Band Reject Filter

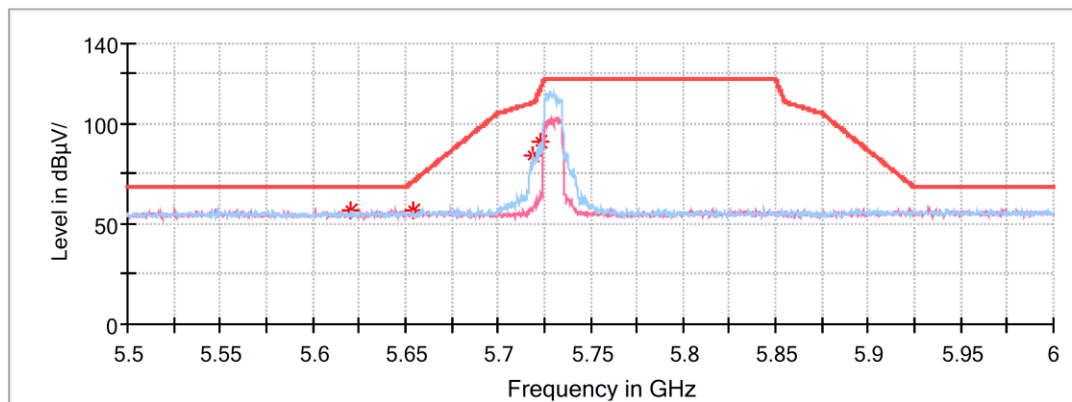
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µV/m)	Average (dB µV/m)	Limit (dB µV/m)	Margin (dB)	Pol	Corr. (dB/m)
1061.200000	---	21.84	54.00	32.16	V	-15.0
1061.200000	31.35	---	74.00	42.65	V	-15.0
1989.400000	35.15	---	68.20	33.05	V	-10.1
4784.200000	42.59	---	74.00	31.41	V	-3.5
4784.200000	---	32.71	54.00	21.29	V	-3.5
12073.800000	55.25	---	74.00	18.75	V	9.0
12073.800000	---	44.41	54.00	9.59	H	9.0
14491.200000	54.56	---	74.00	19.44	H	12.0
14491.200000	---	46.63	54.00	7.37	V	12.0
14943.400000	56.56	---	68.20	11.64	V	10.5
17809.600000	---	45.24	54.00	8.76	V	11.3
17809.600000	53.75	---	74.00	20.25	V	11.3

Band Edge:**Left Side****Common Information**

Project No.: RBJ260304001
EUT Model: ZYCXD125M
Test Mode: Transmitting in SRD Low Channel
Standard: FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 18.1℃
Humidity: 49%
Atmospheric Pressure: 102.2 kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/3/23

Full Spectrum

**Critical_Freqs**

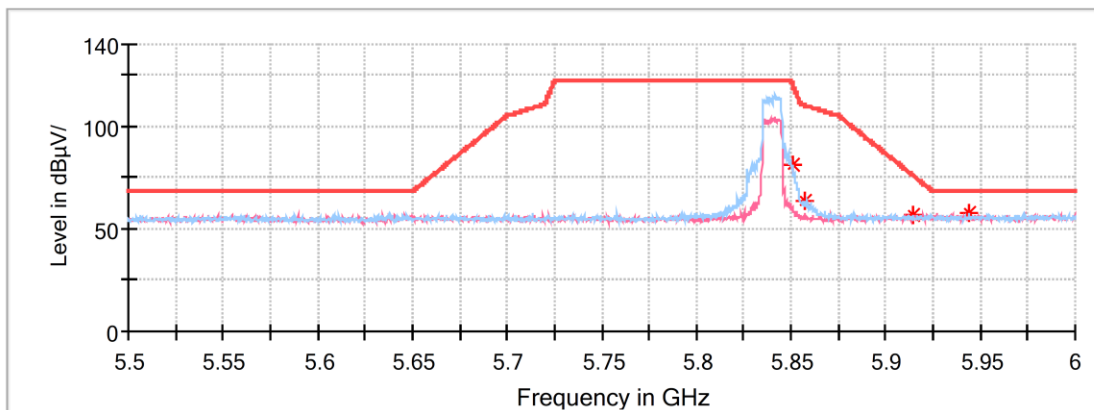
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5620.800000	57.08	---	68.20	11.12	H	8.6
5654.200000	56.74	---	71.31	14.57	H	8.6
5719.200000	84.26	---	110.58	26.31	H	8.8
5723.000000	90.68	---	117.64	26.96	H	8.8

Right Side

Common Information

Project No.: RBJ260304001
EUT Model: ZYCXD125M
Test Mode: Transmitting in SRD High Channel
Standard: FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 18.1℃
Humidity: 49%
Atmospheric Pressure: 102.2 kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/3/23

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5851.000000	80.87	---	119.92	39.05	H	9.1
5857.600000	64.04	---	110.07	46.03	H	9.1
5914.600000	57.05	---	75.90	18.85	H	9.2
5943.800000	57.97	---	68.20	10.23	H	9.3

20M

1GHz - 18GHz:

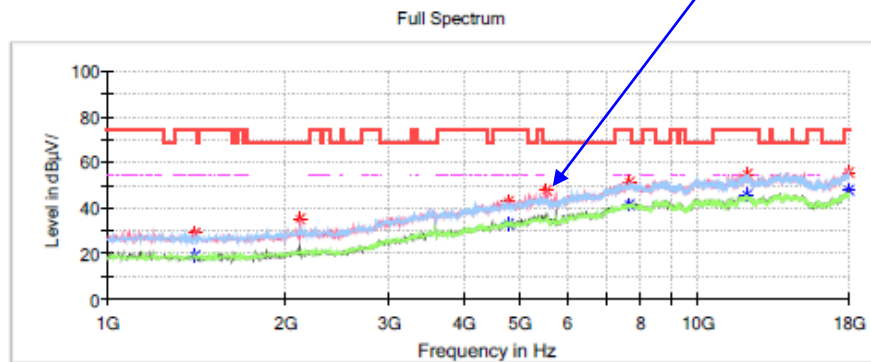
Chain 0 + Chain 1

Low Channel: 5750 MHz

Common Information

Project No.: RBJ260304001
EUT Model: ZYCXD125M
Test Mode: Transmitting in SRD Low Channel
Standard: FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 24.5°C
Humidity: 48%
Atmospheric Pressure: 101.9 kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/7/4

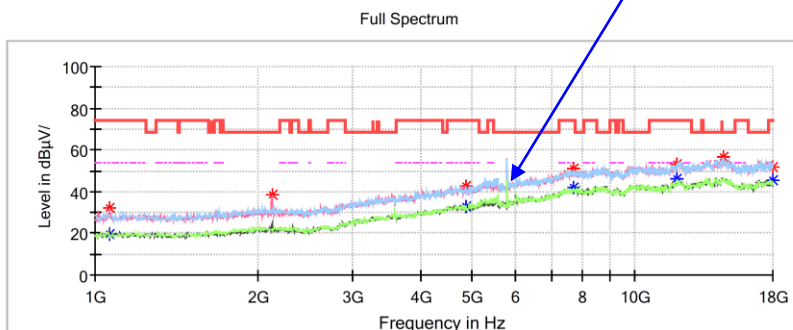
Fundamental Test with Band Reject Filter

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1404.600000	---	18.86	54.00	35.14	V	-14.5
1404.600000	28.70	---	74.00	45.30	V	-14.5
2122.000000	34.72	---	68.20	33.48	V	-11.3
4787.600000	---	32.82	54.00	21.18	V	-3.5
4787.600000	42.97	---	74.00	31.03	V	-3.5
5549.200000	47.24	---	68.20	20.96	V	-1.5
7660.600000	---	41.28	54.00	12.72	H	3.4
7660.600000	50.93	---	74.00	23.07	H	3.4
12128.200000	---	45.18	54.00	8.82	V	9.0
12128.200000	54.77	---	74.00	19.23	V	9.0
17996.600000	55.10	---	74.00	18.90	V	13.8
17996.600000	---	47.41	54.00	6.59	V	13.8

Middle Channel: 5780 MHz**Common Information**

Project No.: RBJ260304001
EUT Model: ZYCXD125M
Test Mode: Transmitting in SRD Middle Channel
Standard: FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 18.1°C
Humidity: 49%
Atmospheric Pressure: 102.2 kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/3/23

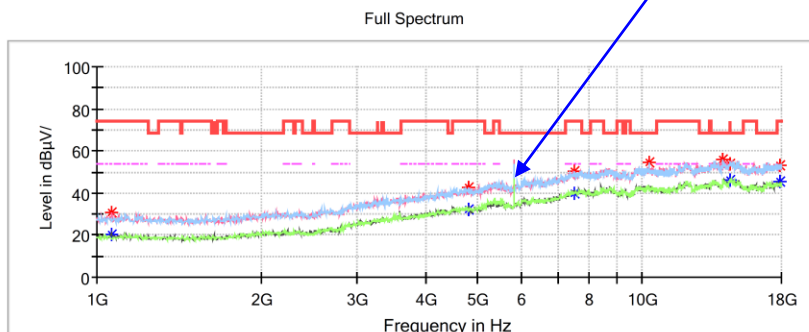
Fundamental Test with Band Reject Filter**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1064.600000	31.85	---	74.00	42.15	V	-15.0
1064.600000	---	19.31	54.00	34.69	V	-15.0
2125.400000	38.45	---	68.20	29.75	V	-9.9
4855.600000	42.62	---	74.00	31.38	H	-3.3
4855.600000	---	33.20	54.00	20.80	H	-3.3
7704.800000	---	42.01	54.00	11.99	H	3.1
7704.800000	50.91	---	74.00	23.09	H	3.1
11937.800000	53.13	---	74.00	20.87	H	9.0
11937.800000	---	46.15	54.00	7.85	H	9.0
14538.800000	56.38	---	68.20	11.82	H	11.8
17966.000000	51.67	---	74.00	22.33	V	11.7
17966.000000	---	45.20	54.00	8.80	V	11.7

High Channel: 5840 MHz**Common Information**

Project No.:	RBJ260304001
EUT Model:	ZYCXD125M
Test Mode:	Transmitting in SRD High Channel
Standard:	FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	18.1°C
Humidity:	49%
Atmospheric Pressure:	102.2 kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/3/23

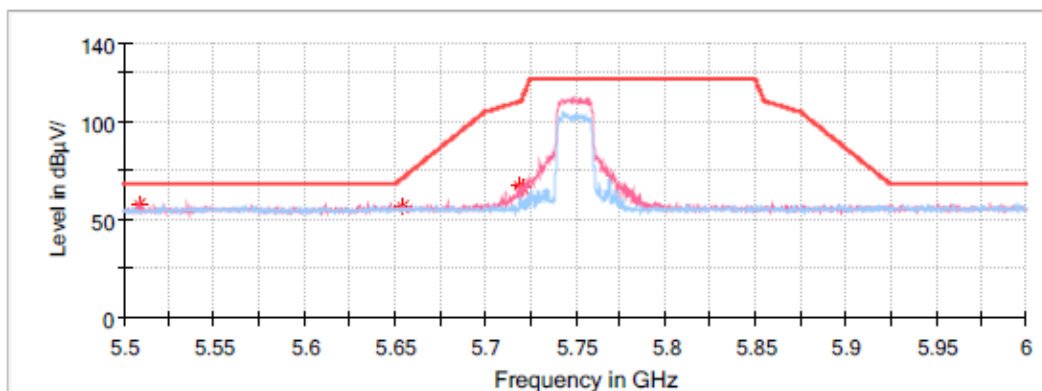
Fundamental Test with Band Reject Filter

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1064.600000	---	20.29	54.00	33.71	V	-15.0
1064.600000	30.83	---	74.00	43.17	V	-15.0
4804.600000	---	32.19	54.00	21.81	H	-3.4
4804.600000	42.68	---	74.00	31.32	H	-3.4
7507.600000	50.20	---	74.00	23.80	H	3.0
7507.600000	---	39.92	54.00	14.08	H	3.0
10309.200000	54.48	---	68.20	13.72	H	6.6
14056.000000	56.04	---	68.20	12.16	H	11.2
14494.600000	---	46.40	54.00	7.60	H	12.0
14494.600000	53.69	---	74.00	20.31	V	12.0
17928.600000	---	45.12	54.00	8.88	V	11.6
17928.600000	52.82	---	74.00	21.18	V	11.6

Band Edge:**Left Side****Common Information**

Project No.:	RBJ260304001
EUT Model:	ZYCXD125M
Test Mode:	Transmitting in SRD Low Channel
Standard:	FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	24.5℃
Humidity:	48%
Atmospheric Pressure:	101.9 kPa
Test Engineer:	Destine Hu
Check by:	Bard Liu
Test Date:	2026/7/4

Full Spectrum**Critical Freqs**

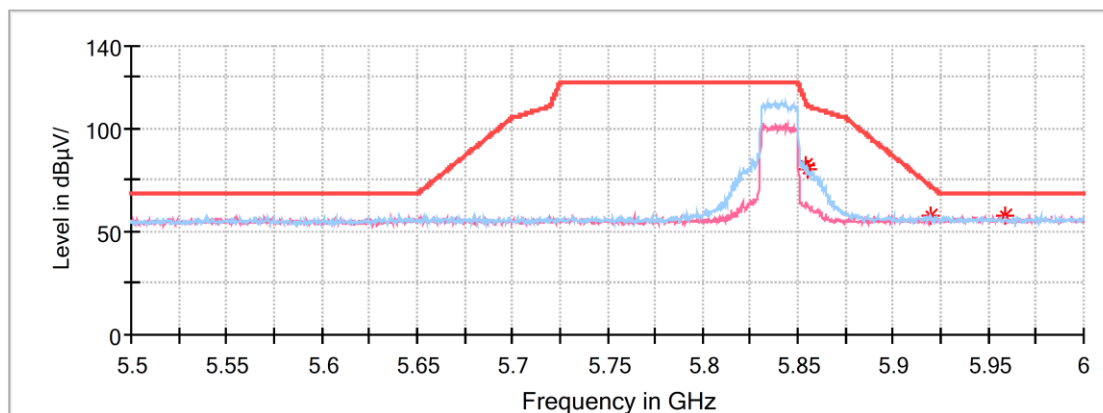
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5508.000000	57.57	---	68.20	10.63	V	8.5
5654.800000	56.96	---	71.75	14.79	V	8.8
5719.000000	67.51	---	110.52	43.01	V	9.0
5720.600000	66.40	---	112.17	45.77	V	9.0

Right Side

Common Information

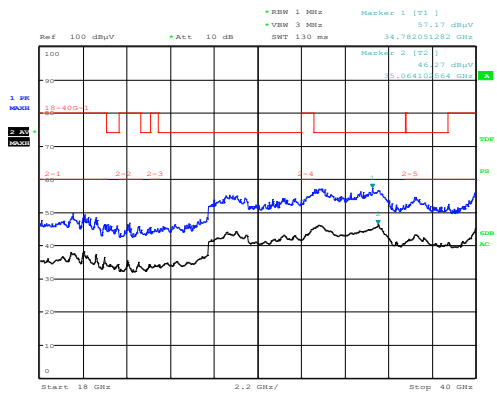
Project No.: RBJ260304001
EUT Model: ZYCXD125M
Test Mode: Transmitting in SRD High Channel
Standard: FCC Part 15.407& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 18.1°C
Humidity: 49%
Atmospheric Pressure: 102.2 kPa
Test Engineer: Destine Hu
Check by: Bard Liu
Test Date: 2026/3/23

Full Spectrum



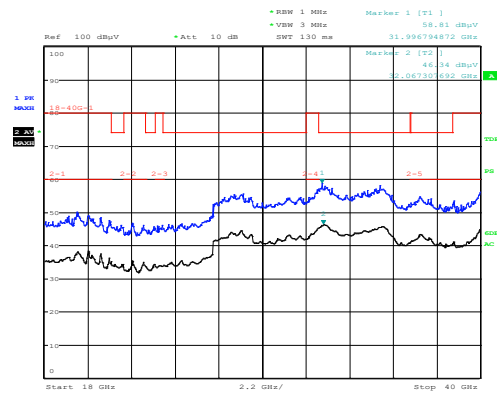
Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
5853.800000	82.23	---	113.54	31.31	H	9.1
5855.600000	80.26	---	110.63	30.37	H	9.1
5920.000000	57.59	---	71.90	14.31	H	9.2
5958.800000	58.01	---	68.20	10.19	H	9.3

18GHz-40GHz:**Transmitting in maximum output power 10 MHz High channel (Chain 0 + Chain 1)****Horizontal**

Project No :RBJ260304001
Date: 3.APR.2026 18:08:00

Tester :Hugh Wu

Vertical

Project No :RBJ260304001
Date: 3.APR.2026 18:41:20

Tester :Hugh Wu

Note: The test distance is 1.5m.

Extrapolation factor of 20dB/decade from 3m to 1.5m

Distance extrapolation factor = $20 \log(\text{specific distance [3m]}/\text{test distance [1.5m]})$ dB

Limit = Specific limits(dBμV/m) + distance extrapolation factor (6 dB)

Frequency (GHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
32.00	58.81	74.2	15.39	V	23.14
34.78	57.17	74.2	17.03	H	23.31

EMISSION BANDWIDTH**Environmental Conditions & Test Information**

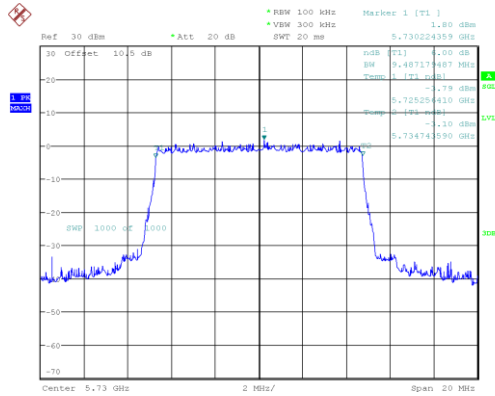
Test Date:	2026-04-04 & 2026-07-04
Temperature:	25.5 °C & 24.7 °C
Relative Humidity:	62 % & 47%
ATM Pressure:	103.3kPa & 101.9kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

*EUT operation mode: Transmitting**10M**5730-5840MHz*

Antenna	Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Chain 0	SRD	Low	5730	9.487	≥0.5
		Middle	5780	9.487	
		High	5840	9.487	
Chain 1	SRD	Low	5730	9.455	≥0.5
		Middle	5780	9.487	
		High	5840	9.487	

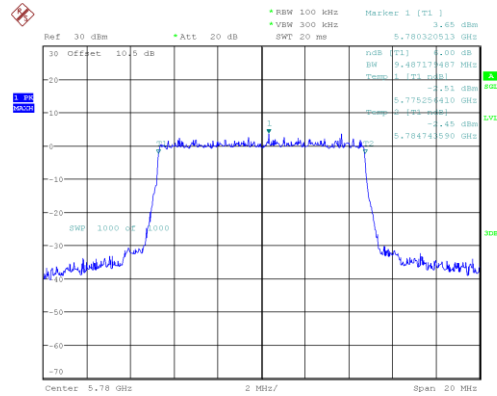
Chain 0

Low Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:15:15

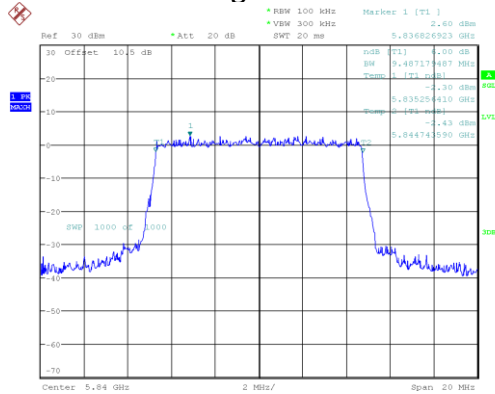
Middle Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:31:18

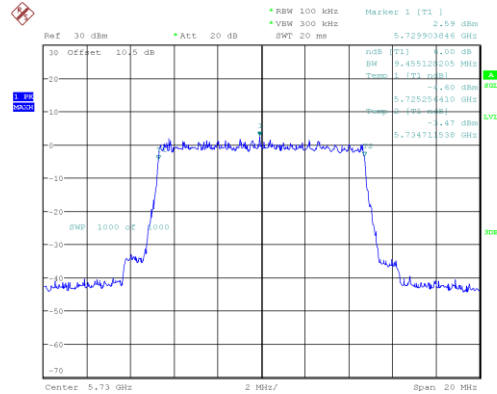
Chain 1

High Channel



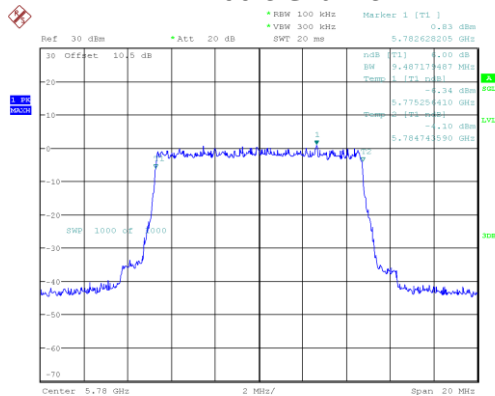
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:45:57

Low Channel



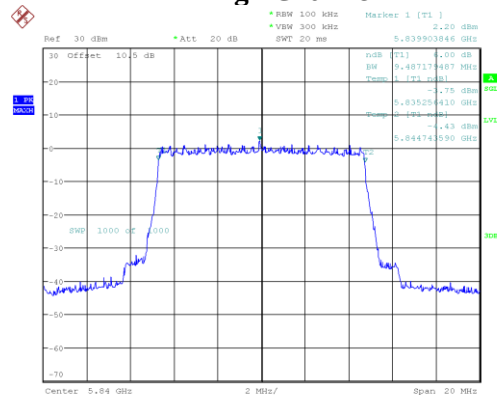
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:21:56

Middle Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:35:51

High Channel



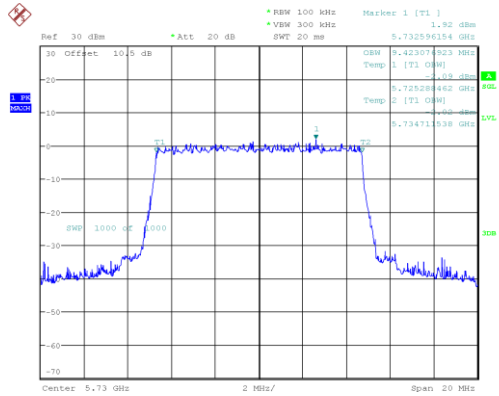
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:53:05

Antenna	Mode	Channel	Frequency (MHz)	99% Bandwidth (MHz)
Chain 0	SRD	Low	5730	9.423
		Middle	5780	9.423
		High	5840	9.455
Chain 1	SRD	Low	5730	9.423
		Middle	5780	9.423
		High	5840	9.423

Note: The 99% Occupied Bandwidth have not fall into the band 5740-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

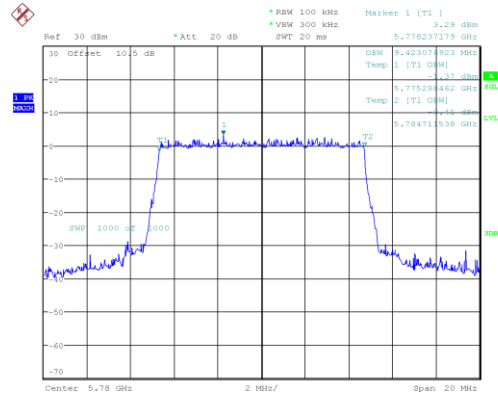
Chain 0

Low Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:16:33

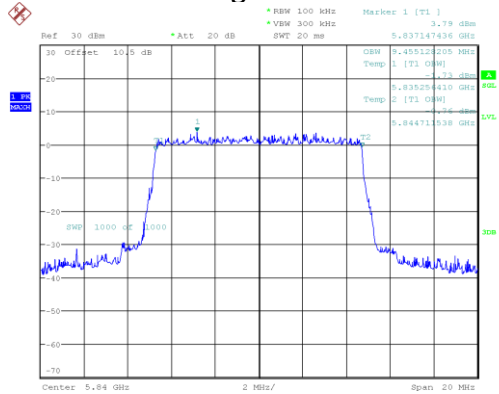
Middle Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:32:38

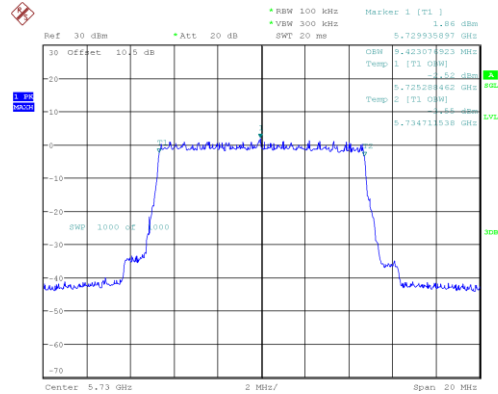
Chain 1

High Channel



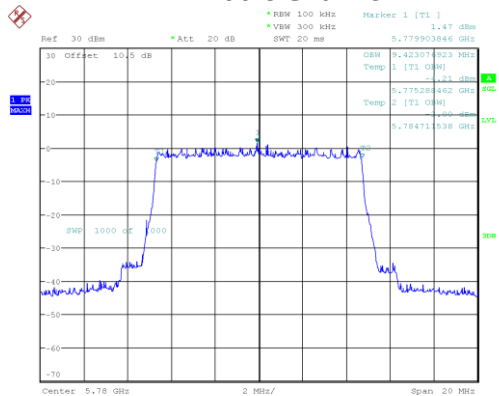
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:49:22

Low Channel



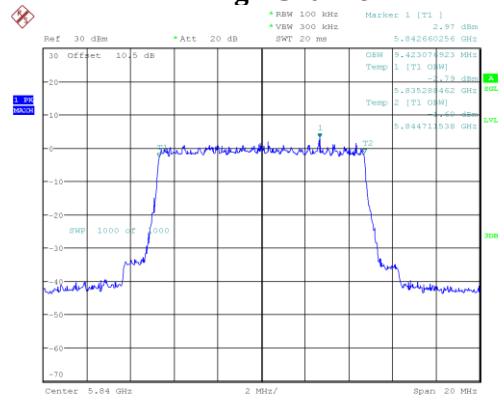
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:23:14

Middle Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:34:28

High Channel



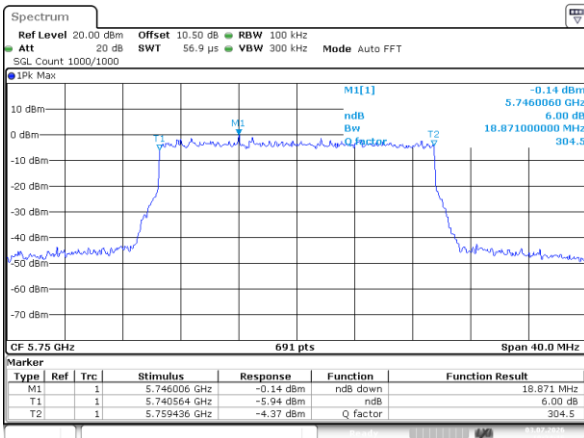
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:51:24

20M
5750-5840MHz

Antenna	Mode	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
Chain 0	SRD	Low	5750	18.871	≥0.5
		Middle	5780	18.910	
		High	5840	18.910	
Chain 1	SRD	Low	5750	18.929	≥0.5
		Middle	5780	18.974	
		High	5840	18.974	

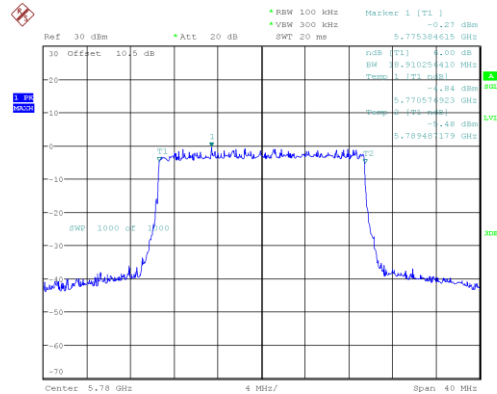
Chain 0

Low Channel



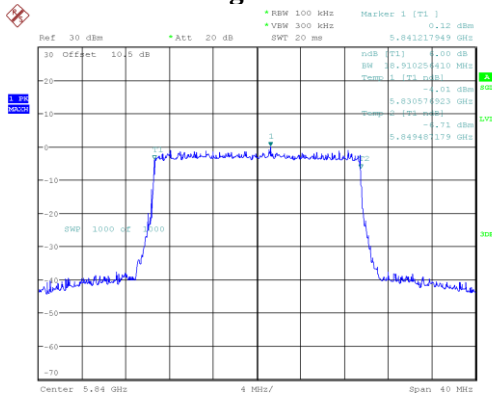
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 3.JUL.2026 10:24:15

Middle Channel



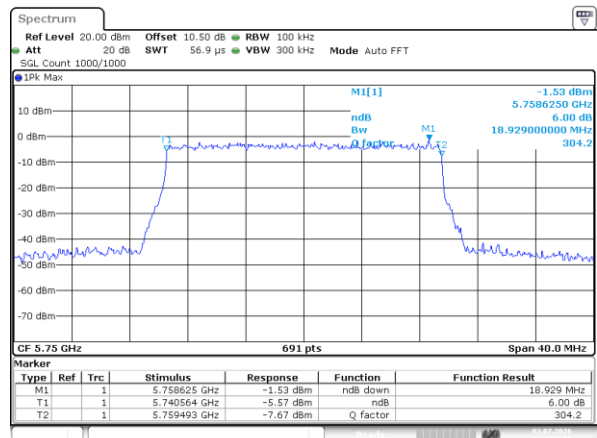
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 11:39:25

High Channel



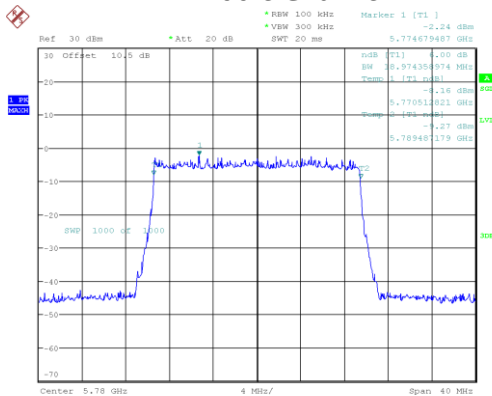
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 11:58:59

Low Channel



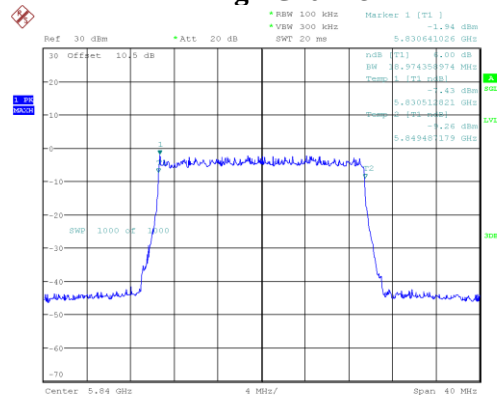
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 3.JUL.2026 10:30:18

Middle Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 11:50:27

High Channel



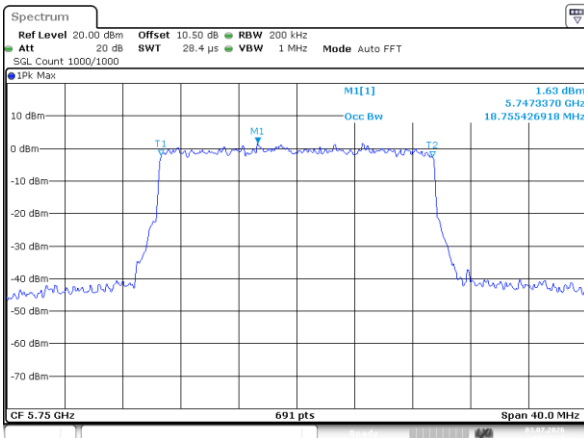
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 12:02:45

Antenna	Mode	Channel	Frequency (MHz)	99% Bandwidth (MHz)
Chain 0	SRD	Low	5750	18.755
		Middle	5780	18.782
		High	5840	18.846
Chain 1	SRD	Low	5750	18.755
		Middle	5780	18.782
		High	5840	18.782

Note: The 99% Occupied Bandwidth have not fall into the band 5740-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.

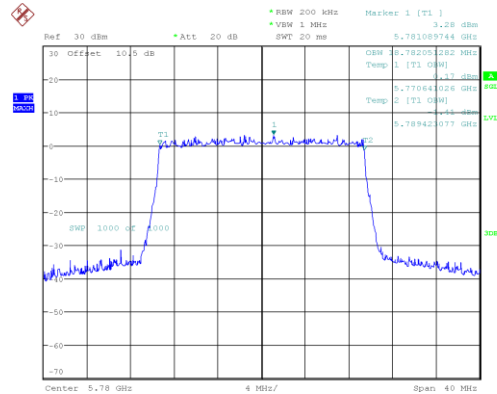
Chain 0

Low Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 3.JUL.2026 10:33:32

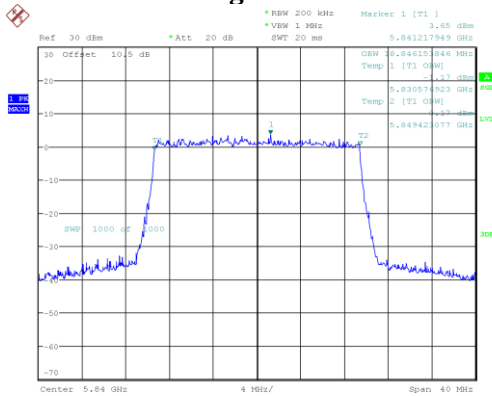
Middle Channel



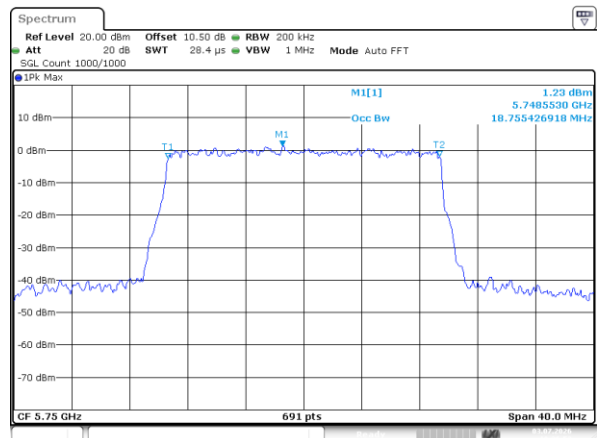
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 11:38:13

Chain 1

Low Channel

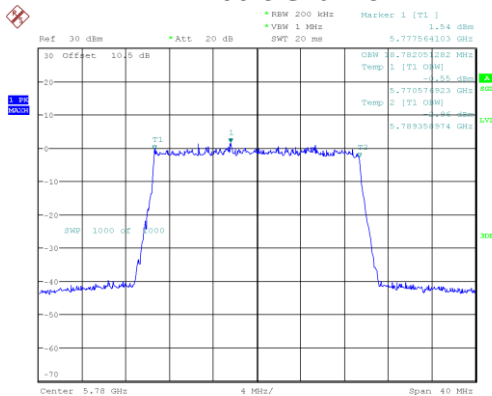


ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 12:00:15



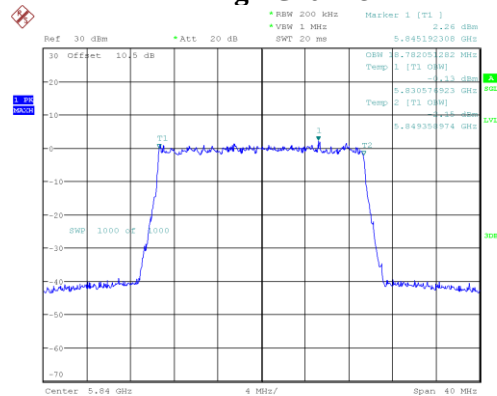
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 3.JUL.2026 10:16:52

Middle Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 11:52:13

High Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 12:01:39

CONDUCTED TRANSMITTER OUTPUT POWER**Environmental Conditions & Test Information**

Test Date:	2026-04-04 & 2026-07-04
Temperature:	25.5 °C & 24.7 °C
Relative Humidity:	62 % & 47%
ATM Pressure:	103.3kPa & 101.9kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Mode: Transmitting

10M

Antenna	Mode	Channel	Frequency (MHz)	Max Conducted Average Output Power (dBm)	Limit (dBm)
Chain 0	SRD	Low	5730	4.54	30
		Middle	5780	5.98	30
		High	5840	6.14	30
Chain 1	SRD	Low	5730	4.7	30
		Middle	5780	3.7	30
		High	5840	4.6	30
Chain 0 + Chain 1	SRD	Low	5730	7.63	30
		Middle	5780	8.00	30
		High	5840	8.45	30

Note:

- Chain 0 + Chain 1 = $10 \cdot \log(10^{P_0/10} + 10^{P_1/10})$
- All transmit signals are *completely uncorrelated* with each other, Directional gain = G_{ANT}

20M

Antenna	Mode	Channel	Frequency (MHz)	Max Conducted Average Output Power (dBm)	Limit (dBm)
Chain 0	SRD	Low	5750	4.07	30
		Middle	5780	5.64	30
		High	5840	5.73	30
Chain 1	SRD	Low	5750	4.24	30
		Middle	5780	3.45	30
		High	5840	4.21	30
Chain 0 + Chain 1	SRD	Low	5750	7.17	30
		Middle	5780	7.69	30
		High	5840	8.05	30

Note:

1. Chain 0 + Chain 1 = $10 \cdot \log(10^{\text{Chain 0/10}} + 10^{\text{Chain 1/10}})$
2. All transmit signals are *completely uncorrelated* with each other, Directional gain = G_{ANT}

POWER SPECTRAL DENSITY**Environmental Conditions & Test Information**

Test Date:	2026-04-04 & 2026-07-04
Temperature:	25.5 °C & 24.7 °C
Relative Humidity:	62 % & 47%
ATM Pressure:	103.3kPa & 101.9kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Mode: Transmitting

10M

5730-5840MHz

Channel	Chain 0			Chain 1			Chain 0 + Chain 1	Limit (dBm/500kHz)
	Reading (dBm/500kHz)	Duty Cycle Factor (dB)	Result (dBm/500kHz)	Reading (dBm/500kHz)	Duty Cycle Factor (dB)	Result (dBm/500kHz)	Result (dBm/500kHz)	
Low	-6.83	5.21	-1.62	-6.33	5.2	-1.13	1.64	30
Middle	-5.62	5.21	-0.41	-7.74	5.2	-2.54	1.66	30
High	-4.96	5.21	0.25	-7.04	5.2	-1.84	2.34	30

Note:

1. Chain 0 + Chain 1 = $10 \cdot \text{LOG} (10^{\text{Chain 0/10}} + 10^{\text{Chain 1/10}})$
2. All transmit signals are *completely uncorrelated* with each other, Directional gain = G_{ANT}

20M

5750-5840MHz

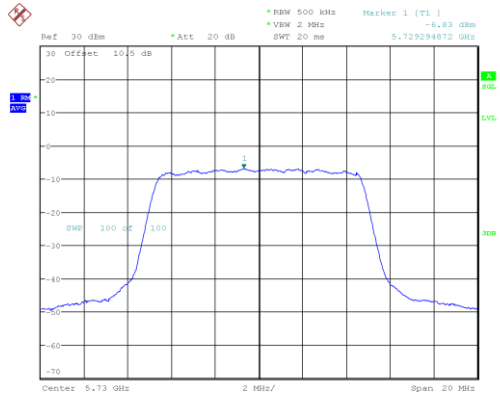
Channel	Chain 0			Chain 1			Chain 0 + Chain 1	Limit (dBm/500kHz)
	Reading (dBm/500kHz)	Duty Cycle Factor (dB)	Result (dBm/500kHz)	Reading (dBm/500kHz)	Duty Cycle Factor (dB)	Result (dBm/500kHz)	Result (dBm/500kHz)	
Low	-9.33	5.24	-4.09	-9.01	5.2	-3.81	-0.94	30
Middle	-8.71	5.24	-3.47	-11.14	5.2	-5.94	-1.52	30
High	-8.63	5.24	-3.39	-10.41	5.2	-5.21	-1.20	30

Note:

1. Chain 0 + Chain 1 = $10 \cdot \text{LOG} (10^{\text{Chain 0/10}} + 10^{\text{Chain 1/10}})$
2. All transmit signals are *completely uncorrelated* with each other, Directional gain = G_{ANT}

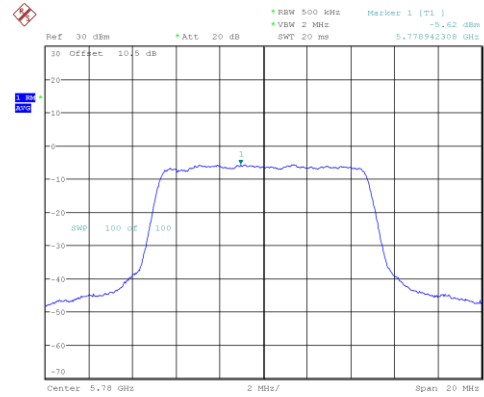
10M Chain 0

Low Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:17:26

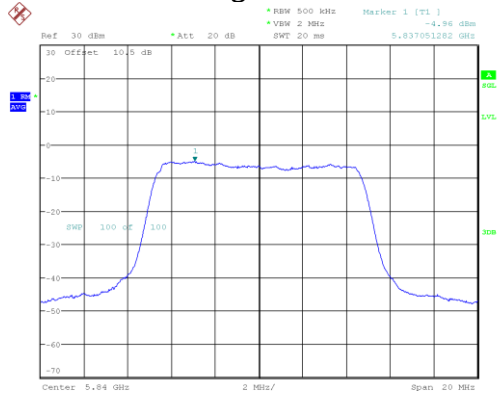
Middle Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:28:11

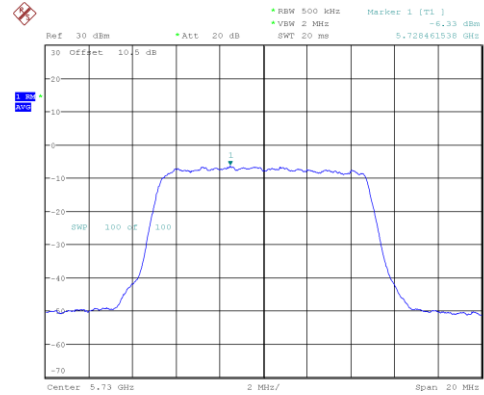
Chain 1

High Channel



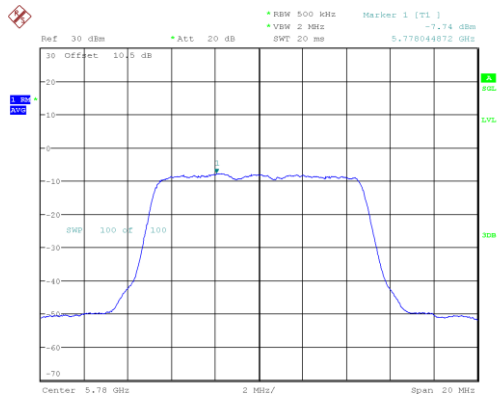
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:43:12

Low Channel



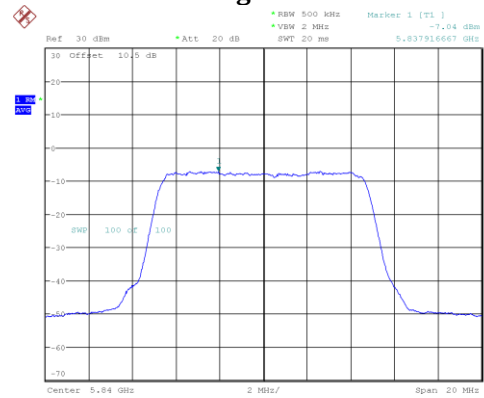
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:42:32

Middle Channel



ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:19:23

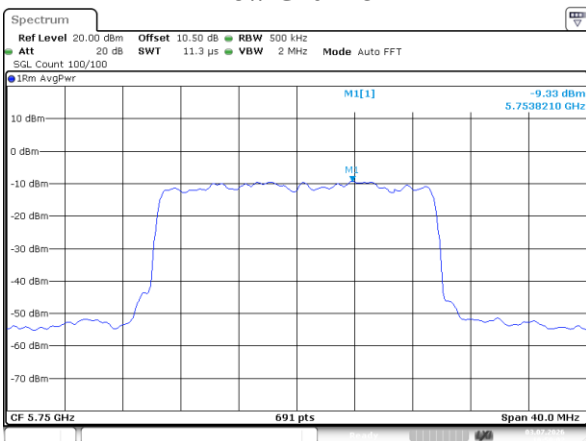
High Channel



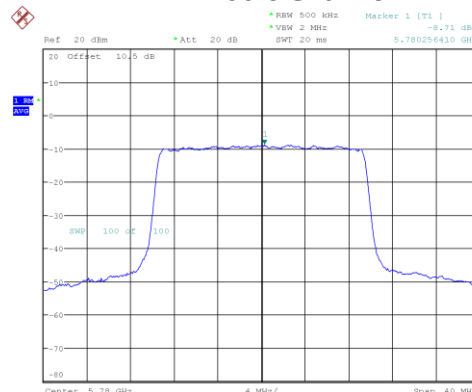
ProjectNo.:RBJ260304001 Tester:Neil Zhou
Date: 4.APR.2026 13:40:40

20M
Chain 0

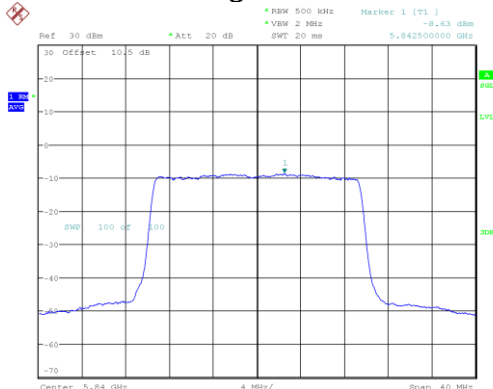
Low Channel



Middle Channel

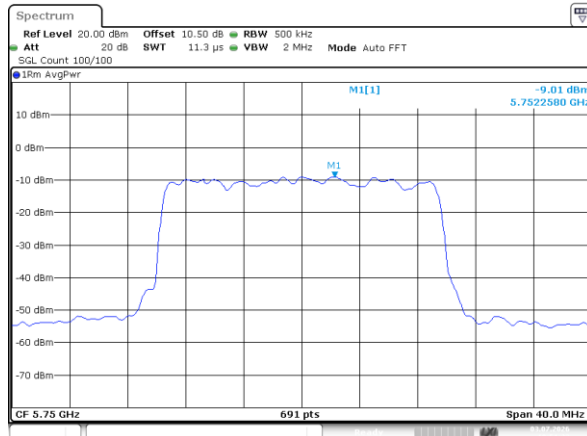


High Channel

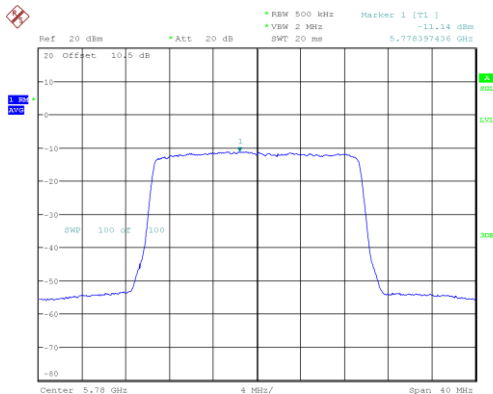


Chain 1

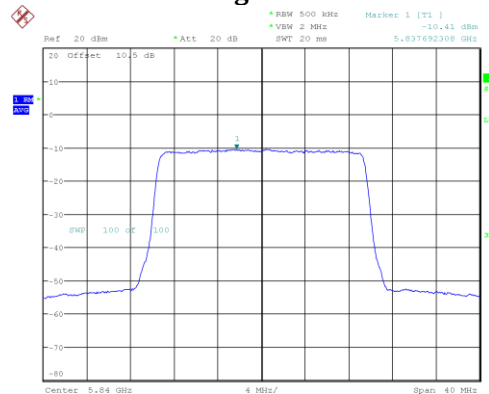
Low Channel



Middle Channel



High Channel



Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s). This report must not be duplicated or used in part without prior written consent from the laboratory.
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.
6. This report may contain standard and test items that are not covered by the accreditation scope and shall be marked with an asterisk “▲”.

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