NVLAP TESTING
NVLAP LAB CODE 600338-0

BACL Bay Area Compliance Labs Corp.

FCC PART 15.247
TEST REPORT

For

ComNav Technology Ltd.

Building 2, No.618 Chengliu Middle Rd. shanghai, China

FCC ID: 2ACHBQD302E

Report Type:	**Product Name:**
Original Report	Datalink Module

Report Number:	RKSA250722001-00B
Report Date:	2025-10-28
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA250722001-00B	R1V1	2025-10-28	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	ComNav Technology Ltd.
Product Name:	Datalink Module
Tested Model:	QD302E
Power Supply:	DC 3.3-3.6V
RF Function:	SRD
Operating Band/Frequency:	902.3-925.9 MHz
Maximum Output Power:	20.24 dBm
Modulation Type:	CSS
Antenna Type:	Omni Antenna
★Maximum Antenna Gain:	2.15 dBi

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

All measurement and test data in this report was gathered from production sample serial number: RKSA250722001-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2025-07-22.)

Objective

This type approval report is prepared for *ComNav Technology Ltd.* in accordance with Part 2-Subpart J, and Part 15-Subparts A and C of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, 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

Justification

Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	902.3	21	910.3	41	918.3
2	902.7	22	910.7	42	918.7
3	903.1	23	911.1	43	919.1
4	903.5	24	911.5	44	919.5
5	903.9	25	911.9	45	919.9
6	904.3	26	912.3	46	920.3
7	904.7	27	912.7	47	920.7
8	905.1	28	913.1	48	921.1
9	905.5	29	913.5	49	921.5
10	905.9	30	913.9	50	921.9
11	906.3	31	914.3	51	922.3
12	906.7	32	914.7	52	922.7
13	907.1	33	915.1	53	923.1
14	907.5	34	915.5	54	923.5
15	907.9	35	915.9	55	923.9
16	908.3	36	916.3	56	924.3
17	908.7	37	916.7	57	924.7
18	909.1	38	917.1	58	925.1
19	909.5	39	917.5	59	925.5
20	909.9	40	917.9	60	925.9

EUT was tested with channel 1, 30, 60

EUT Exercise Software

“ATK_XCOM V3.0” was used during the test.

★Power level: 100mW

Note: The power level is provided by the applicant.

Support Equipment List and Details

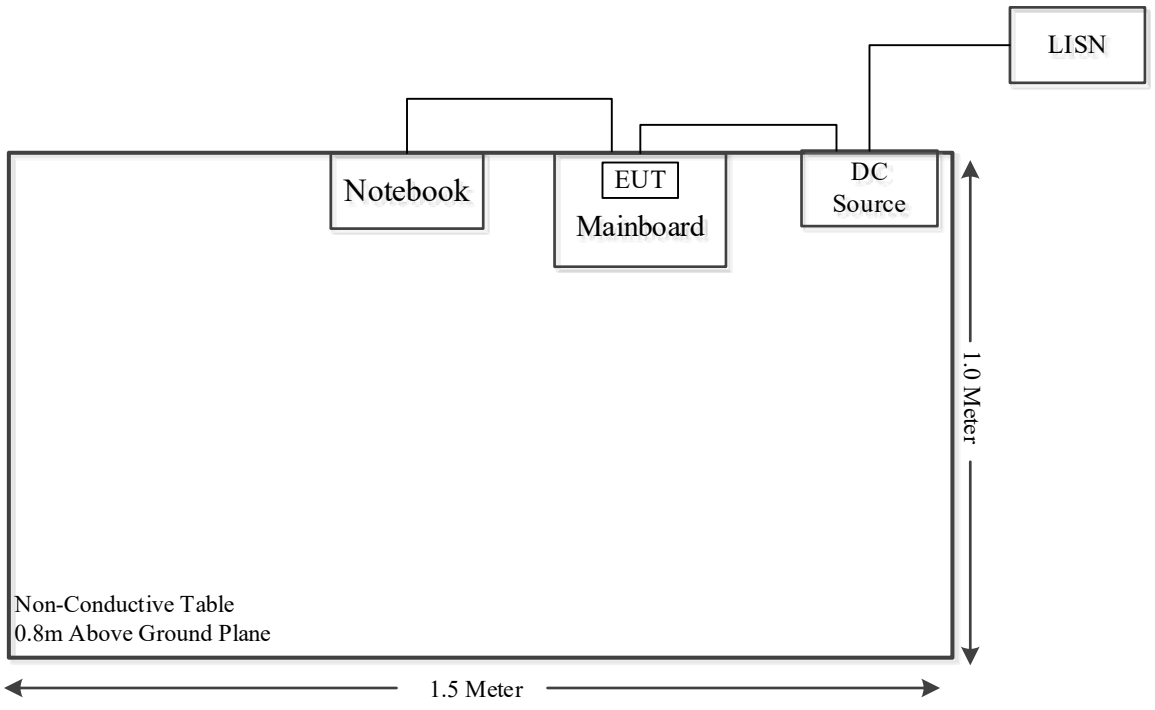
Manufacturer	Description	Model	Serial Number
/	Mainboard	/	/
Lenovo	Notebook	Y700P	PF2B7PL5
Shenzhen Zhaoxin Electronic Instrument Equipment Co., Ltd.	DC Source	PS-6005D	18P6005D10724

External I/O Cable

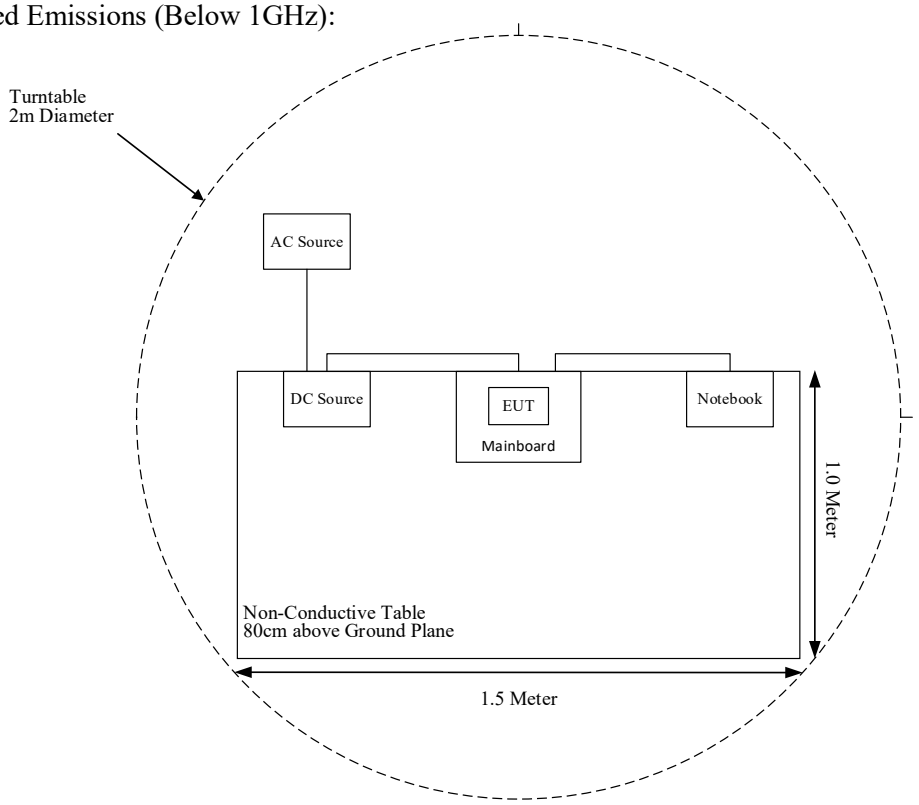
Cable Description	Length (m)	From Port	To Port
Power Cable 1	1.0	DC Source	Mainboard
Power Cable 2	1.0	DC Source	AC Source/LISN
DB9 dual-female serial Cable	1.5	Notebook	Mainboard

Block Diagram of Test Setup

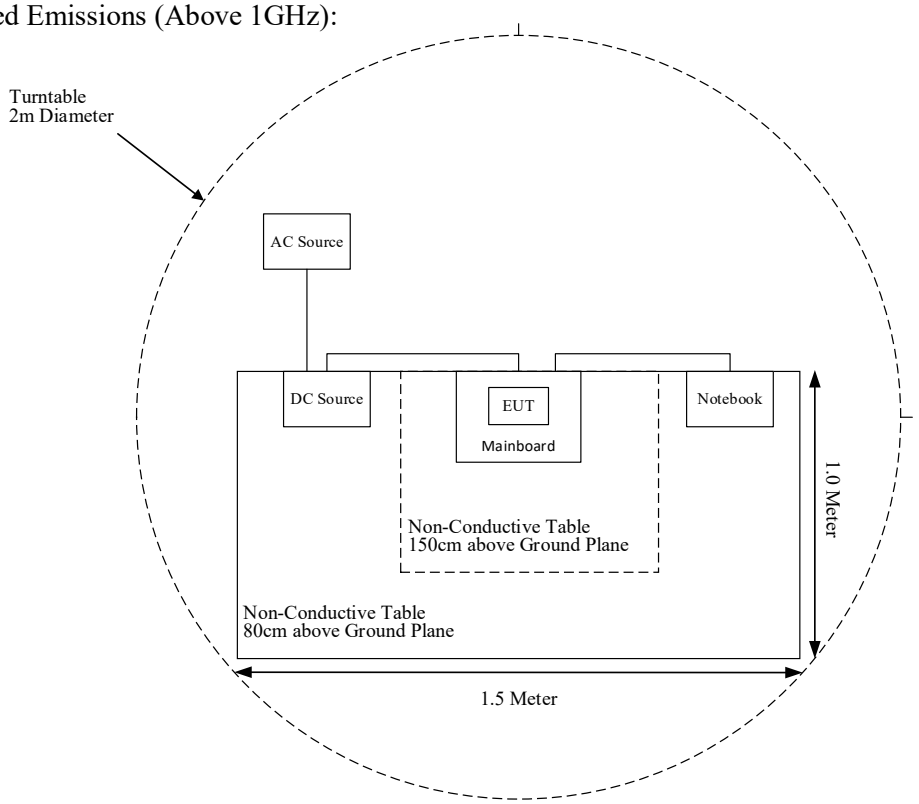
For Conducted Emissions:



For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1GHz):



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 (a)	AC Line Conducted Emissions	Compliant
§15.209, §15.205 & §15.247(D)	Spurious Emissions	Compliant
§15.247(a)(1)	Channel Separation Test	Compliant
§ 15.247(a) (1) (I)	20 dB Bandwidth	Compliant
§15.247(a) (1) (I)	Time of Occupancy (Dwell Time)	Compliant
§ 15.247(a) (1) (I)	Quantity of hopping channel Test	Compliant
§15.247(b) (2)	Maximum Conducted Output Power	Compliant
§15.247(d)	Band Edge & Conducted Spurious Emission	Compliant

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	2025-04-09	2026-04-08
Sunol Sciences	Broadband Antenna	JB3	A090314-1	2024-11-08	2027-11-07
Narda	6dB Attenuator	773-6	10690812-2-1	2024-11-08	2027-11-07
BACL	Active Loop Antenna	1313-1A	4041511	2024-11-22	2027-11-21
Sonoma Instrument	Pre-amplifier	310N	171205	2025-04-09	2026-04-08
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-8	008	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-9	009	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-10	010	2025-04-09	2026-04-08
Microtronics	High-pass filter	BRC50722	G013	2025-04-09	2026-04-08
Radiated Emission Test (Chamber 2#)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2025-04-09	2026-04-08
ETS-LINDGREN	Horn Antenna	3115	9207-3900	2024-11-03	2027-11-02
A.H.Systems,inc	Amplifier	PAM-0118P	512	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-11	011	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-12	012	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-13	013	2025-04-09	2026-04-08
Rohde & Schwarz	Test Software	EMC32	100361	N/A	N/A
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	101746	2025-04-08	2026-04-07
Rohde & Schwarz	LISN	ENV216	101115	2025-04-08	2026-04-07
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse Limiter	ESH3-Z2	0357.8810.54	2025-04-08	2026-04-07
MICRO-COAX	Coaxial Cable	Cable-15	015	2025-04-08	2026-04-07
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyzer	FSU26	200103	2025-04-09	2026-04-08
Narda	Attenuator	10dB	/	2025-04-08	2026-04-07

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).

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/cm^2)**	**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/cm^2);
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);

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)			
SRD	902.3-925.9	2.15	1.64	20.5	112.20	20	0.0366	0.6015

Note:

1. For the above tune up power were declared by the manufacturer.

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 Compliant 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 15.247 (b), 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

The EUT have an Omni antenna for SRD, use a unique type of connector to attach to the EUT, fulfill the requirement of this section. Please refer to the EUT photos.

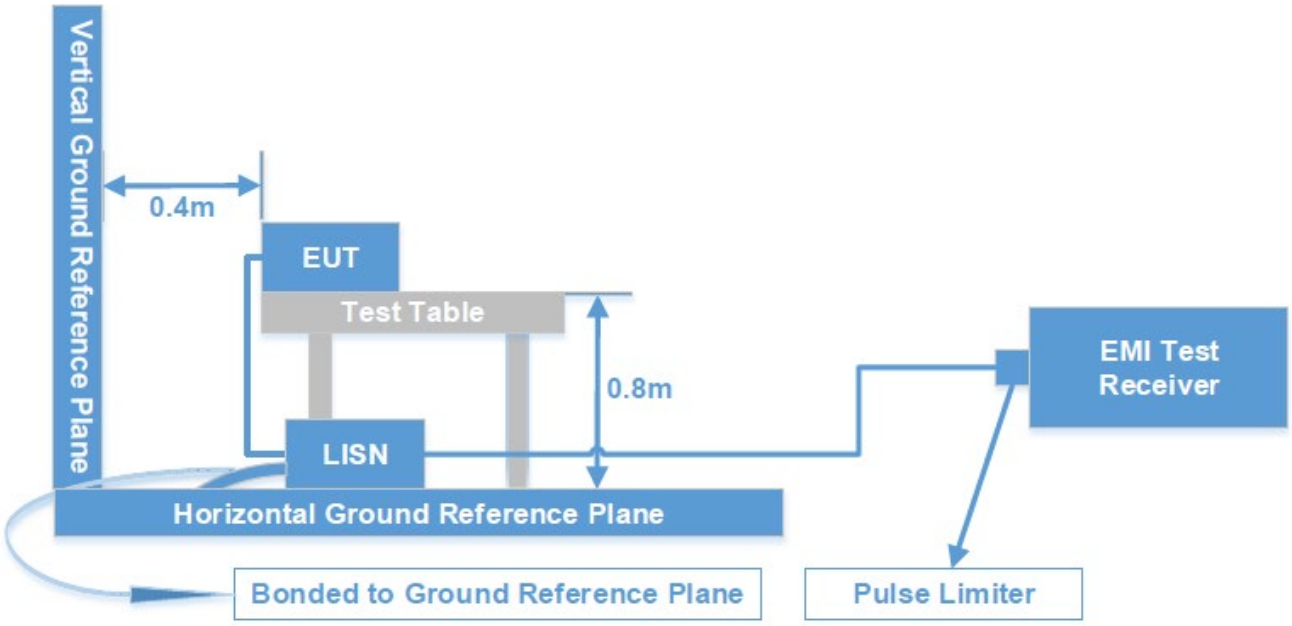
Result: Compliant.

FCC §15.207 (a) - AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

Test System Setup



The measurement procedure of EUT setup is according with ANSI C63.10-2020. The related limit was specified in FCC Part 15.207.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

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

Frequency Range	RBW	VBW
150 kHz - 30 MHz	9 kHz	30 kHz

Test Procedure

ANSI C63.10-2020 clause 6.2

During the conducted emission test, the EUT was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

Level & Over Limit Calculation

The Level is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)
Level (dBµV) = Read level (dBµV) + Factor (dB)

The "**Over Limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of 7 dB means the emission is 7 dB above the limit. The equation for Over Limit calculation is as follows:

Over Limit (dB) = Level (dBµV) - Limit (dBµV)

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, FCC Part 15.207.

Test Data: See Exhibit A

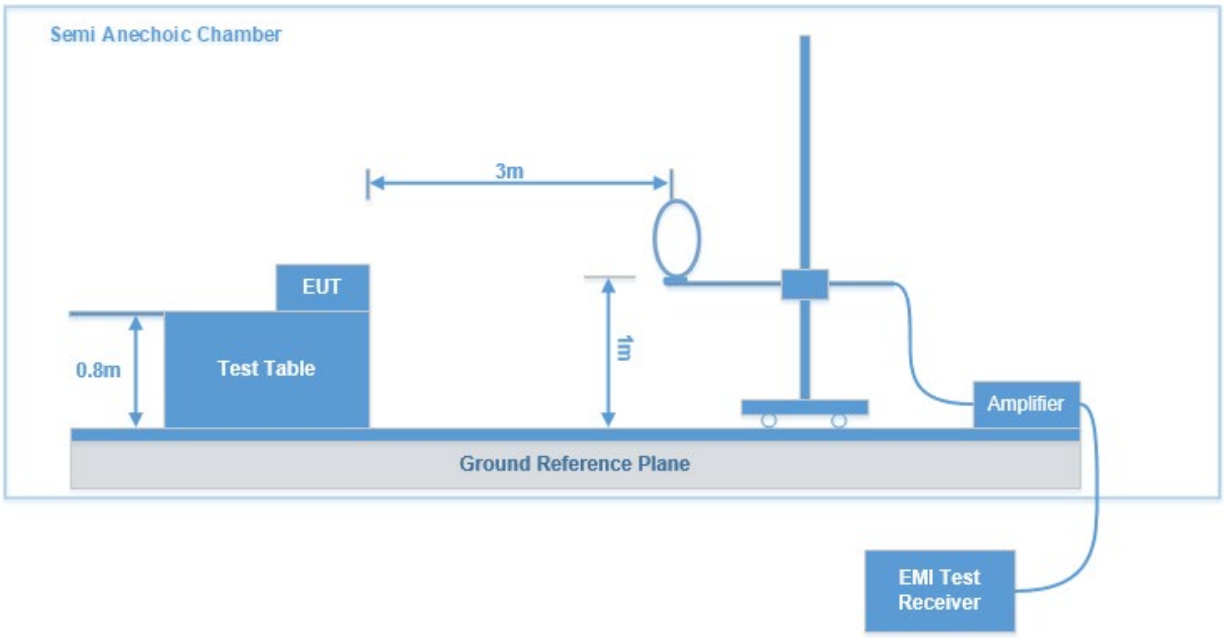
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

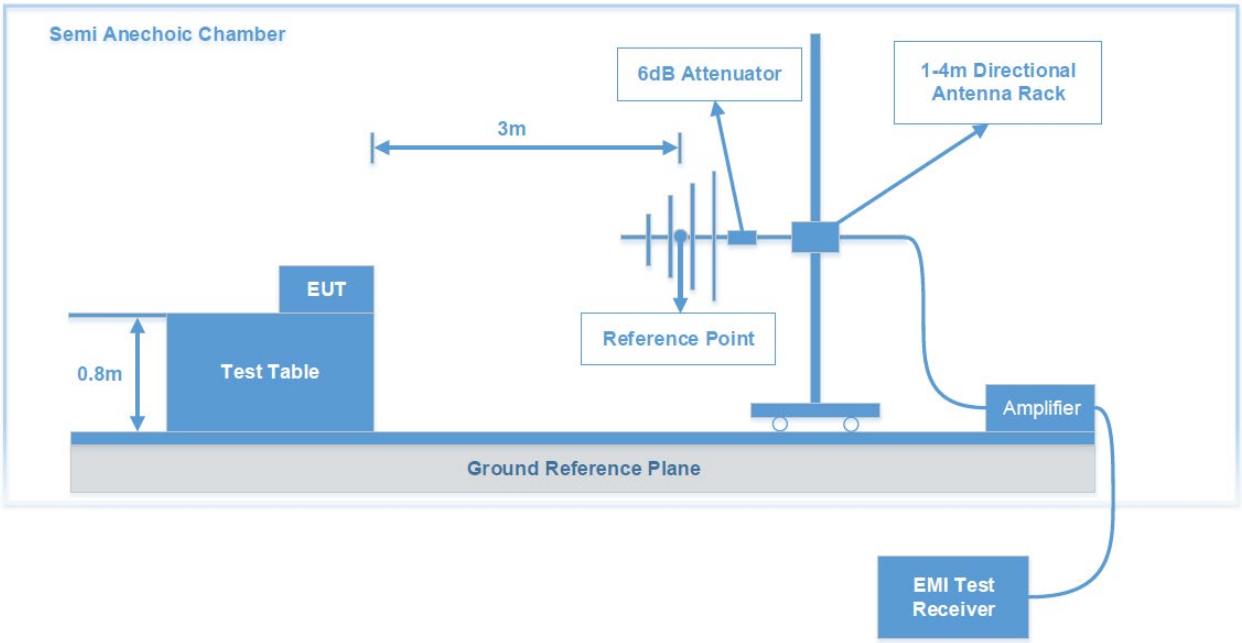
FCC §15.247 (d); §15.209; §15.205;

Test System Setup

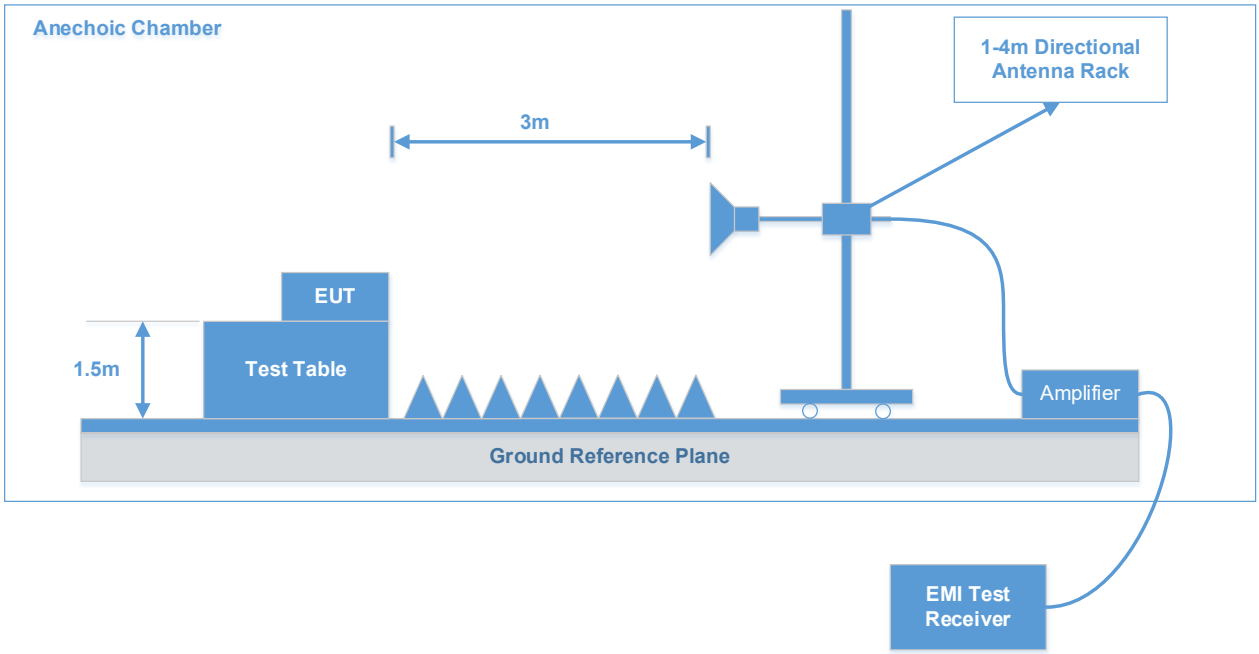
9 kHz-30MHz:



30MHz-1GHz:



Above 1 GHz:



The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209, and FCC 15.247 limits.

EMI Test Receiver 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

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

Test Procedure

According to ANSI C63.10-2020 clause 6.5, 6.6 and 6.7.

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 1GHz.

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.

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:

Corrected Amplitude (dBμV/m) = Meter Reading (dBμV) + Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

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

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:

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247.

Test Data: See Exhibit A

FCC §15.247(a) (1)-CHANNEL SEPARATION TEST

Applicable Standard

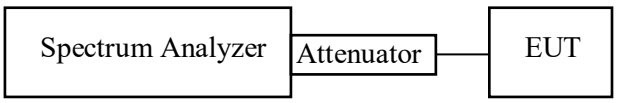
(1) Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies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

Test Procedure

According to ANSI C63.10-2020 clause 7.8.2

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

Use the marker-delta function to determine the separation between the peaks of the adjacent channels.



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

Test Data: See Exhibit A

FCC §15.247(a) (1) (i) − 20 dB BANDWIDTH TESTING

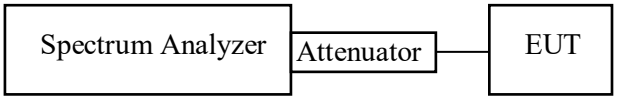
Applicable Standard

For frequency hopping systems operating in the 902–928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

Test Procedure

According to ANSI C63.10-2020 clause 6.9.2

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five 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 video bandwidth (VBW) shall be at least three times 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) Steps a) through c) might require iteration to adjust within the specified tolerances.
e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target "−xx dB down" requirement; that is, if the requirement calls for measuring the −20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.
f) Set detection mode to peak and trace mode to max-hold.
g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
h) Determine the "−xx dB down amplitude" using [(reference value) - xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument.
i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j).
j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the "−xx dB down amplitude" determined in step h). If a marker is below this "−xx dB down amplitude" value, then it shall be as close as possible to this value. The dBc bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the "−xx dB down amplitude" determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.
k) The dBc 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.



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

Test Data: See Exhibit A

FCC §15.247(a) (1) (i)-QUANTITY OF HOPPING CHANNEL TEST

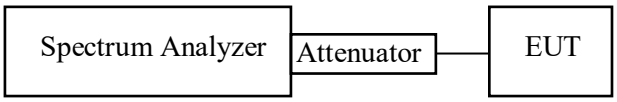
Applicable Standard

(i) For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

Test Procedure

According to ANSI C63.10-2020 clause 7.8.3

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



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

Test Data: See Exhibit A

FCC §15.247(a) (1) (i) - TIME OF OCCUPANCY (DWELL TIME)

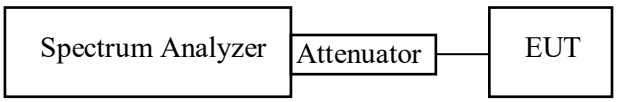
Applicable Standard

(i) For frequency hopping systems operating in the 902-928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

Test Procedure

According to ANSI C63.10-2020 clause 7.8.4

Use the following spectrum analyzer settings to determine the dwell time per hop:
a) Span: Zero span, centered on a hopping channel.
b) RBW shall be ⩽ channel spacing and where possible RBW should be set >> 1 / T, where T is the expected transmission time per hop.
c) Sweep time: Set so that the start of the first transmission and end of the last transmission for the hop are clearly captured. Setting the sweep time to be slightly longer than the hopping period per channel (hopping period = 1/hopping rate) should achieve this.
d) Use a video trigger, where possible with a trigger delay, so that the start of the transmission is clearly observed. The trigger level might need adjustment to reduce the chance of triggering when the system hops on an adjacent channel.
e) Detector function: Peak.
f) Trace: Clear-write, single sweep.
g) Place markers at the start of the first transmission on the channel and at the end of the last transmission. The dwell time per hop is the time between these two markers.



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

Test Data: See Exhibit A

FCC §15.247(b) (2) - MAXIMUM CONDUCTED OUTPUT POWER

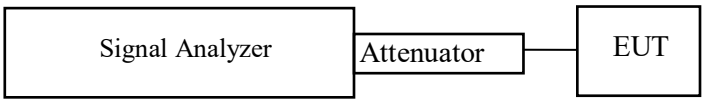
Applicable Standard

According to §15.247(b) (2), For frequency hopping systems operating in the 902–928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0.25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels, as permitted under paragraph (a)(1)(i) of this section.

Test Procedure

According to ANSI C63.10-2020 clause 7.8.5

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

Test Data: See Exhibit A

FCC §15.247(d) – BAND EDGE& CONDUCTED SPURIOUS EMISSION

Band Edges

Applicable Standard

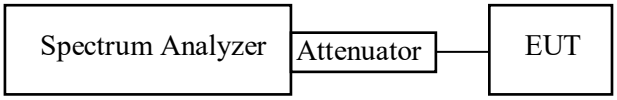
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

Test Procedure

According to ANSI C63.10-2020 clause 6.10.4

For devices that support frequency hopping, this test sequence shall be performed twice: once with the hopping function turned OFF and then repeated with the hopping function turned ON.

Perform the test as follows:
1) Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band-edge, as well as any modulation products that fall outside of the authorized band of operation.
2) Reference level: As required to keep the signal from exceeding the maximum instrument 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.
3) Attenuation: Auto (at least 10 dB preferred).
4) Sweep time: No faster than coupled (auto) time.
5) Resolution bandwidth: 100 kHz.54
6) Video bandwidth: 300 kHz.
7) Detector: Peak.
8) Trace: Max-hold.



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

Conducted Spurious Emission

Applicable Standard

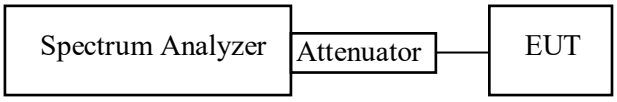
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the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

Test Procedure

Test Method: ANSI C63.10-2020 Clause 7.8.7.1
To demonstrate compliance with the relative out-of-band emissions requirements conducted spurious emissions shall be measured for the transmit frequencies, per 5.5 and 5.6, and at the maximum transmit powers. Frequency hopping shall be disabled for this test with the exception of measurements at the allocated band-edges which shall be repeated with hopping enabled.

Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The frequency range of testing shall span 30 MHz to 10 times the operating frequency and this may be done in a single sweep or, to aid resolution, across a number of sweeps. The resolution bandwidth shall be 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak detector.

The limit is based on the highest in-band level across all channels measured using the same instrument settings (resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector). To help clearly demonstrate compliance a display line may be set at the required offset (typically 20 dB) below the highest in-band level. Where the highest in-band level is not clearly identified in the out-of-band measurements a separate spectral plot showing the in-band level shall be provided.



Test Data: See Appendix

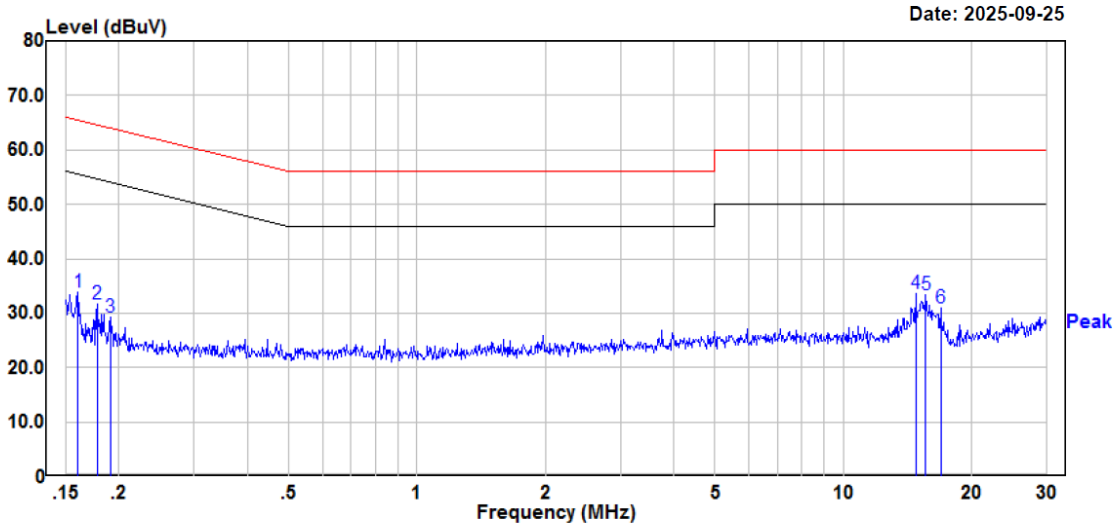
EXHIBIT A - TEST DATA

AC LINE CONDUCTED EMISSIONS

Test Date:	2025-09-25
Temperature:	24.1 ℃
Relative Humidity:	47 %
ATM Pressure:	101.6 kPa
Test Result:	Pass
Test Engineer:	Carto Sun

Test mode： Transmitting in maximum output power channel (low channel)

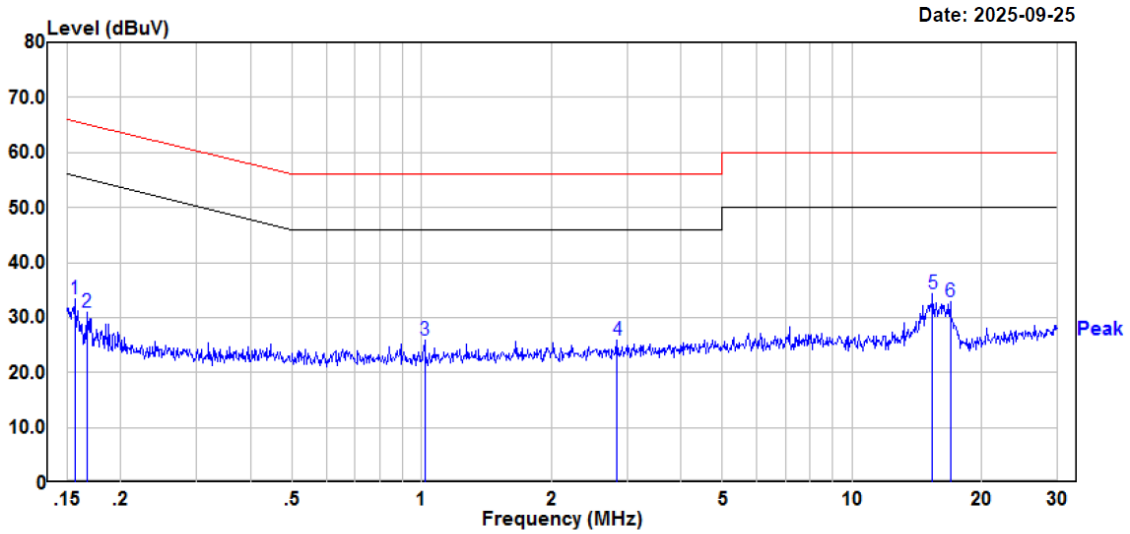
Line:




```
Site                : CE
Condition           : limit\FCC PART 15.207\FCC 15.207 QP.csv Line
                    : DET:Peak
Project No.         : RKSA250722001
Model               : QD302E
Phase               : L
Voltage             : 120V/60Hz
Mode                : LoRa
Test Equipment      : ENV216,ESR3
Receiver Setting    : RBW: 9 kHz,Sweep Time: Auto
Temperature         : 24.1℃
Humidity            : 47%
Atmospheric pressure: 101.6kPa
Test Engineer       : Carto Sun
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.160	13.37	20.42	33.79	65.46	-31.67	Peak
2	0.178	11.15	20.45	31.60	64.59	-32.99	Peak
3	0.191	8.77	20.47	29.24	64.01	-34.77	Peak
4	14.782	13.33	20.27	33.60	60.00	-26.40	Peak
5	15.615	13.09	20.30	33.39	60.00	-26.61	Peak
6	16.912	10.61	20.36	30.97	60.00	-29.03	Peak

Neutral:




```
Site                : CE
Condition           : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
                    : DET:Peak
Project No.         : RKSA250722001
Model               : QD302E
Phase               : N
Voltage             : 120V/60Hz
Mode                : LoRa
Test Equipment      : ENV216,ESR3
Receiver Setting    : RBW: 9 kHz,Sweep Time: Auto
Temperature         : 24.1℃
Humidity            : 47%
Atmospheric pressure: 101.6kPa
Test Engineer       : Carto Sun
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.156	12.87	20.40	33.27	65.67	-32.40	Peak
2	0.167	10.50	20.41	30.91	65.13	-34.22	Peak
3	1.017	5.60	20.18	25.78	56.00	-30.22	Peak
4	2.839	5.50	20.25	25.75	56.00	-30.25	Peak
5	15.384	13.99	20.29	34.28	60.00	-25.72	Peak
6	16.912	12.49	20.37	32.86	60.00	-27.14	Peak

SPURIOUS EMISSIONS

Environmental Conditions & Test Information

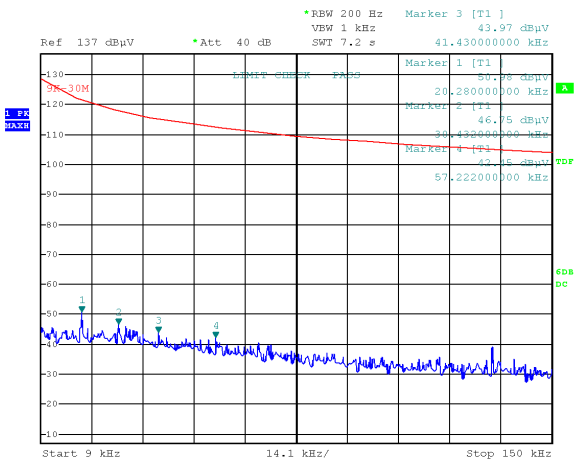
Test Item:	SPURIOUS EMISSIONS		
	9 kHz – 30 MHz	30 MHz – 1 GHz	1 GHz - 10 GHz
Test Date:	2025-08-21	2025-08-21	2025-09-25
Temperature:	26.1 ℃	26.1 ℃	26.4 ℃
Relative Humidity:	41%	41%	47 %
ATM Pressure:	101.2 kPa	101.2 kPa	101.7kPa
Test Result:	Pass	Pass	Pass
Test Engineer:	Link Xia	Link Xia	Destine Hu

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

9 kHz-30 MHz: *Transmitting in maximum output power channel (low channel)*

Parallel(worst case)

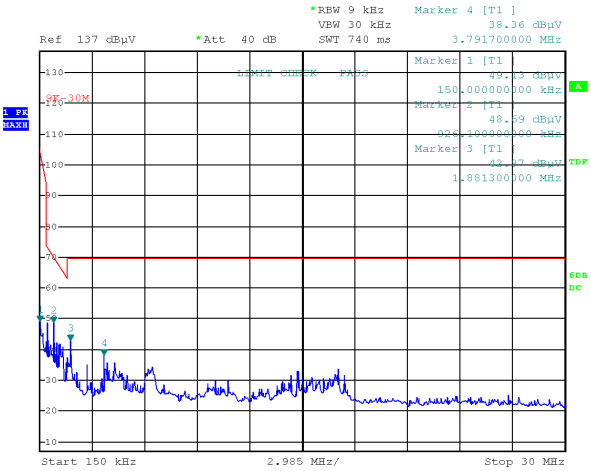
9kHz-150kHz



Project No.RKSA250722001 Tester:Link Xia

Date: 21.AUG.2025 16:33:31

150kHz-30MHz



Project No.RKSA250722001 Tester:Link Xia

Date: 21.AUG.2025 16:36:38

9 kHz-150 kHz

Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.020280	50.98	PK	-0.56	121.46	70.48
0.030432	46.75	PK	-0.68	117.94	71.19
0.041430	43.97	PK	-2.44	115.26	71.29
0.057222	42.45	PK	-4.65	112.45	70.00

150 kHz-30 MHz

Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.15000	49.13	PK	-11.34	104.08	54.95
0.92610	48.69	PK	-27.09	68.27	19.58
1.88130	42.87	PK	-30.52	69.54	26.67
3.79170	38.36	PK	-31.81	69.54	31.18

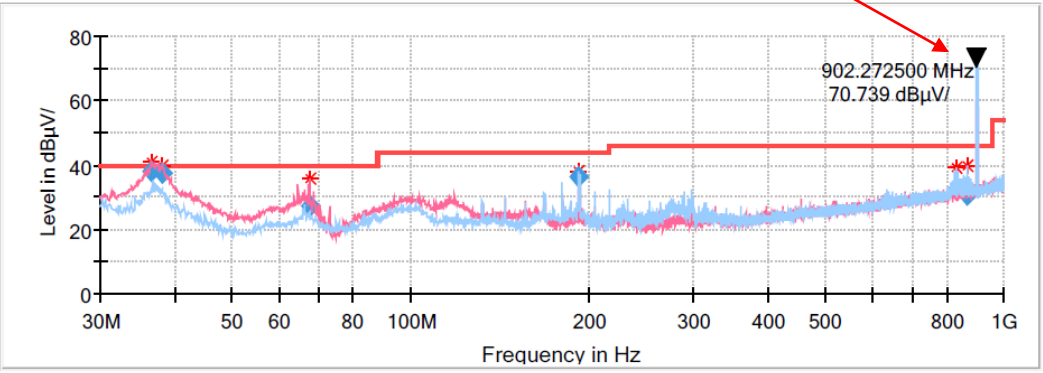
30 MHz - 1 GHz:

Low channel: 902.3 MHz

Common Information

Project No:	RKSA250722001
EUT Model:	QD302E
Test Mode:	Transmitting
Standard:	FCC Part 15.205 &FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW:100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	26.1℃
Humidity:	41%
Barometric Pressure:	101.2kPa
Test Engineer:	Link Xia
Test Date:	2025/8/21

Fundamental Test with Band rejection filter



Final_Result

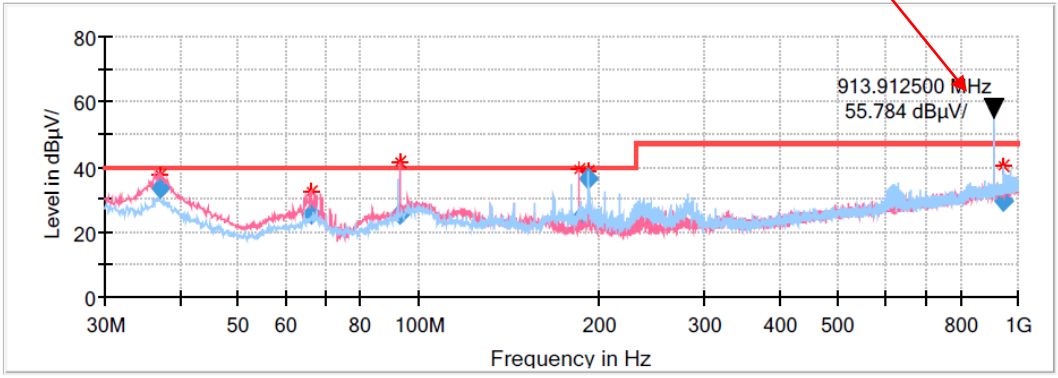
Frequency (MHz)	QuasiPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
36.668750	38.05	40.00	1.95	V	-9.5
38.123750	37.47	40.00	2.53	V	-9.7
67.708750	27.31	40.00	12.69	V	-16.7
192.475000	36.38	43.50	7.12	H	-12.4
832.068750	32.07	46.00	13.93	H	-0.2
870.383750	30.77	46.00	15.23	H	0.5

Middle channel: 913.9 MHz

Common Information

Project No:	RKSA250722001
EUT Model:	QD302E
Test Mode:	Transmitting
Standard:	FCC Part 15.205 &FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW:100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	26.1℃
Humidity:	41%
Barometric Pressure:	101.2kPa
Test Engineer:	Link Xia
Test Date:	2025/8/21

Fundamental Test with Band rejection filter



Final_Result

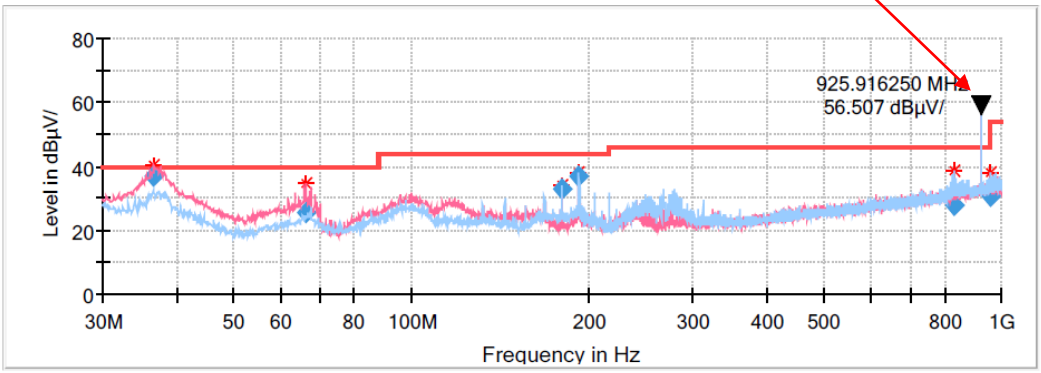
Frequency (MHz)	QuasiPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
37.032500	33.58	40.00	6.42	V	-9.2
66.253750	25.52	40.00	14.48	V	-16.7
93.050000	25.35	40.00	14.65	V	-16.0
185.563750	23.99	40.00	16.01	V	-12.7
192.475000	36.26	40.00	3.74	H	-12.4
946.043750	29.43	47.00	17.57	H	1.8

High Channel: 925.9 MHz

Common Information

Project No:	RKSA250722001
EUT Model:	QD302E
Test Mode:	Transmitting
Standard:	FCC Part 15.205 &FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW:100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	26.1℃
Humidity:	41%
Barometric Pressure:	101.2kPa
Test Engineer:	Link Xia
Test Date:	2025/8/21

Fundamental Test with Band rejection filter



Final_Result

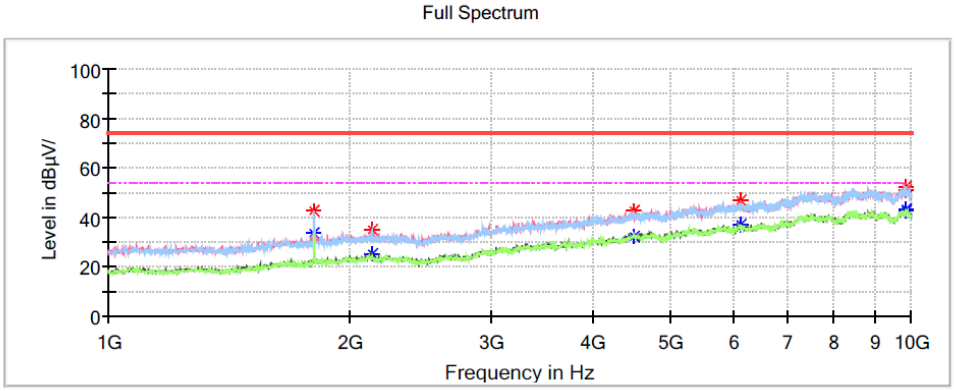
Frequency (MHz)	QuasiPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
36.668750	36.84	40.00	3.16	V	-9.1
66.253750	25.42	40.00	14.58	V	-16.8
180.350000	32.81	43.50	10.69	H	-13.0
192.475000	36.90	43.50	6.60	H	-12.4
832.190000	27.55	46.00	18.45	H	-0.2
958.168750	30.48	46.00	15.52	H	2.0

1 GHz - 10 GHz:

Low Channel: 902.3 MHz

Common Information

Project No.:	RKSA250722001
EUT Model:	QD302E
Test Mode:	Transmitting
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	26.4℃
Humidity:	47%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Test Date:	2025/9/25



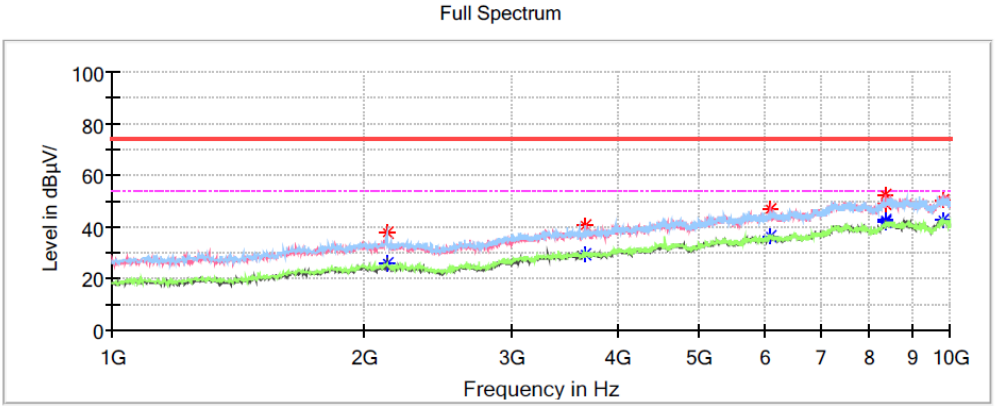
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1804.600000	42.55	---	74.00	31.45	H	-11.3
1804.600000	---	33.45	54.00	20.55	H	-11.3
2125.000000	35.14	---	74.00	38.86	V	-9.9
2125.000000	---	25.44	54.00	28.56	V	-9.9
4515.400000	---	32.31	54.00	21.69	V	-4.2
4515.400000	42.51	---	74.00	31.49	V	-4.2
6124.600000	---	37.26	54.00	16.74	H	-0.7
6124.600000	47.12	---	74.00	26.88	H	-0.7
9843.400000	---	42.46	54.00	11.54	V	5.9
9843.400000	52.20	---	74.00	21.80	V	5.9
9848.800000	---	43.24	54.00	10.76	H	5.9
9848.800000	50.85	---	74.00	23.15	H	5.9

Middle Channel: 913.9 MHz

Common Information

Project No.:	RKSA250722001
EUT Model:	QD302E
Test Mode:	Transmitting
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	26.4℃
Humidity:	47%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Test Date:	2025/9/25



Critical_Freqs

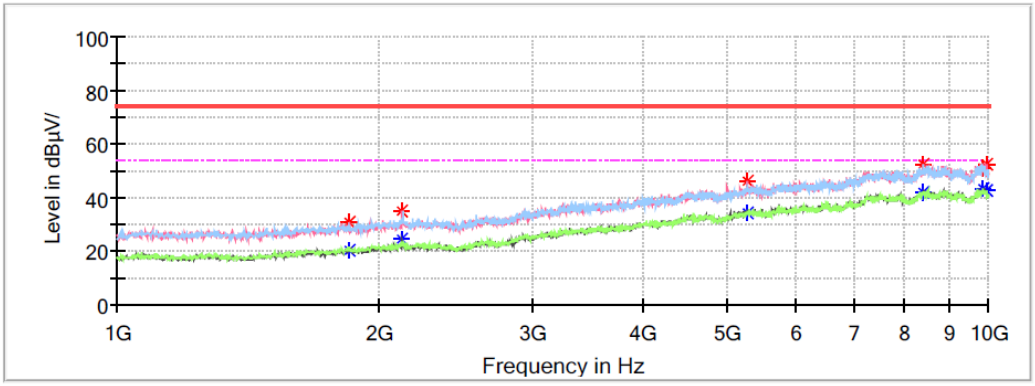
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2125.000000	38.03	---	74.00	35.97	H	-9.9
2125.000000	---	25.98	54.00	28.02	H	-9.9
3673.000000	---	29.23	54.00	24.77	V	-5.8
3673.000000	40.26	---	74.00	33.74	V	-5.8
6086.800000	46.53	---	74.00	27.47	V	-0.7
6086.800000	---	36.25	54.00	17.75	V	-0.7
8385.400000	---	43.00	54.00	11.00	V	4.4
8385.400000	49.00	---	74.00	25.00	V	4.4
8389.000000	---	41.94	54.00	12.06	V	4.4
8389.000000	52.50	---	74.00	21.50	V	4.4
9816.400000	---	42.90	54.00	11.10	H	5.8
9816.400000	50.49	---	74.00	23.51	H	5.8

High Channel: 925.9 MHz

Common Information

Project No.:	RKSA250722001
EUT Model:	QD302E
Test Mode:	Transmitting
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	26.4℃
Humidity:	47%
Atmospheric Pressure:	101.7kPa
Test Engineer:	Destine Hu
Test Date:	2025/9/25

Full Spectrum



Critical_Freqs

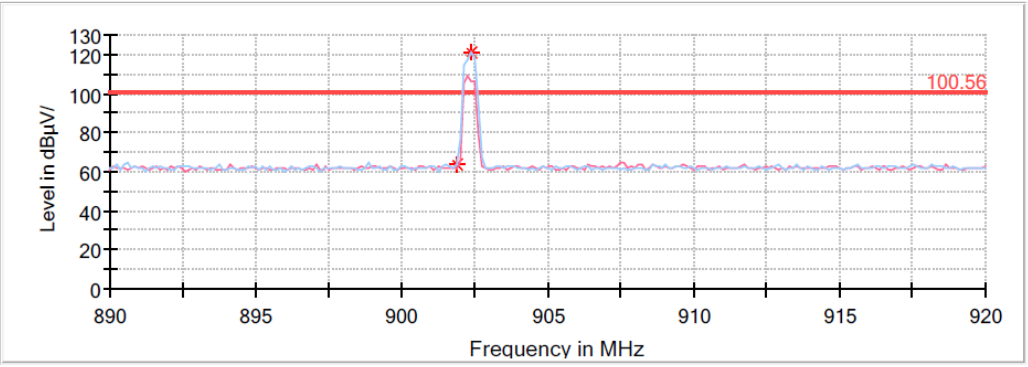
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1849.600000	---	20.56	54.00	33.44	H	-11.0
1849.600000	30.96	---	74.00	43.04	H	-11.0
2123.200000	---	24.57	54.00	29.43	V	-9.9
2123.200000	35.16	---	74.00	38.84	V	-9.9
5287.600000	---	34.26	54.00	19.74	V	-2.2
5287.600000	45.93	---	74.00	28.07	V	-2.2
8398.000000	---	41.67	54.00	12.33	H	4.4
8398.000000	52.26	---	74.00	21.74	H	4.4
9832.600000	---	43.63	54.00	10.37	H	5.8
9832.600000	51.39	---	74.00	22.61	H	5.8
9933.400000	---	42.86	54.00	11.14	V	6.2
9933.400000	52.40	---	74.00	21.60	V	6.2

Band Edge:

Left Side

Common Information

Project No:	RKSA250722001
EUT Model:	QD302E
Test Mode:	Transmitting
Standard:	FCC Part 15.205 &FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW:100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	26.1℃
Humidity:	41%
Barometric Pressure:	101.2kPa
Test Engineer:	Link Xia
Test Date:	2025/8/21



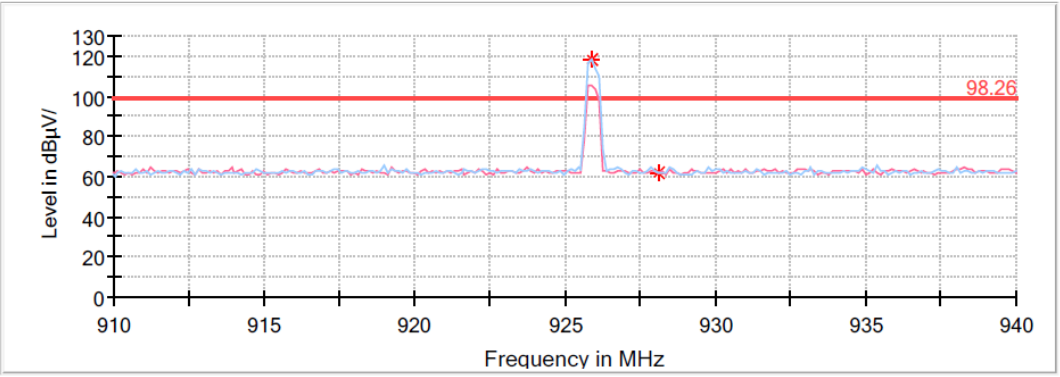
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
901.908750	63.83	100.56	36.73	H	31.0
902.393750	120.56	---	---	H	31.0

Right Side

Common Information

Project No:	RKSA250722001
EUT Model:	QD302E
Test Mode:	Transmitting
Standard:	FCC Part 15.205 &FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW:100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	26.1℃
Humidity:	41%
Barometric Pressure:	101.2kPa
Test Engineer:	Link Xia
Test Date:	2025/8/21



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
925.916250	118.26	---	---	H	31.4
928.098750	61.72	98.26	36.54	V	31.5

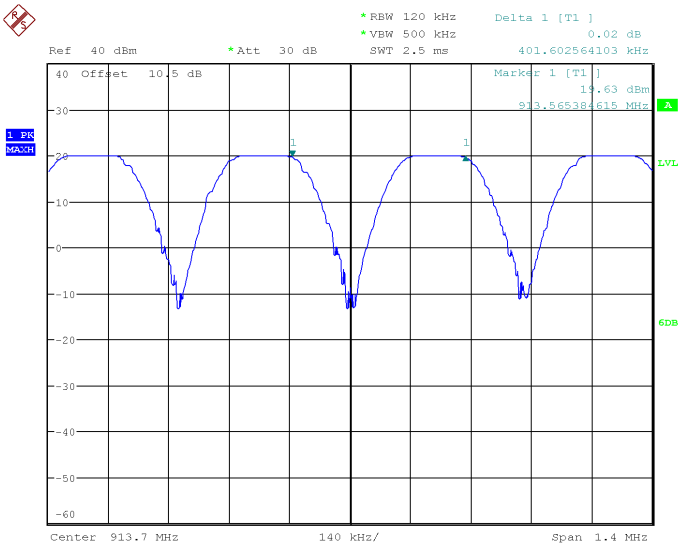
CHANNEL SEPARATION TEST

Environmental Conditions & Test Information

Test Date:	2025-09-23
Temperature:	23.7 ℃
Relative Humidity:	47 %
ATM Pressure:	100.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Transmitting

Channel	Frequency (MHz)	Channel Separation (MHz)	Limit (kHz)	Result
Middle	913.5-913.9	0.402	≥149.5	Pass



20 dB BANDWIDTH TESTING

Environmental Conditions & Test Information

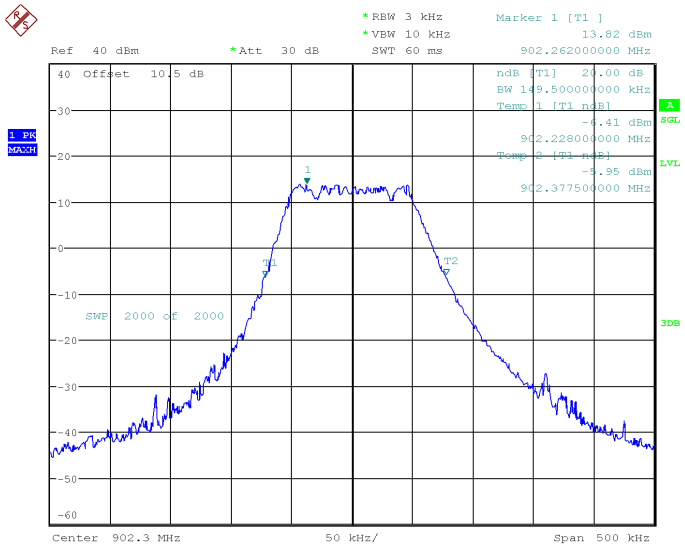
Test Date:	2025-09-23
Temperature:	23.7 ℃
Relative Humidity:	47 %
ATM Pressure:	100.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

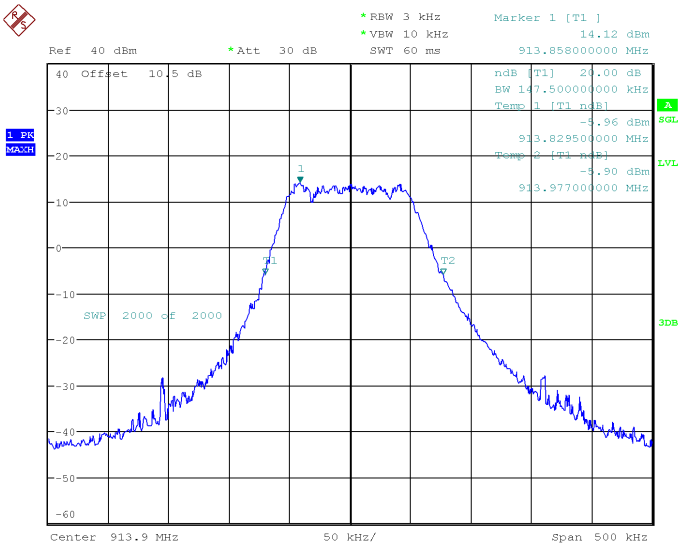
Channel	Frequency (MHz)	20 dB Emission Bandwidth (kHz)	Limit (MHz)
Low	902.3	149.500	≤0.5
Middle	913.9	147.500	≤0.5
High	925.9	148.000	≤0.5

Low Channel



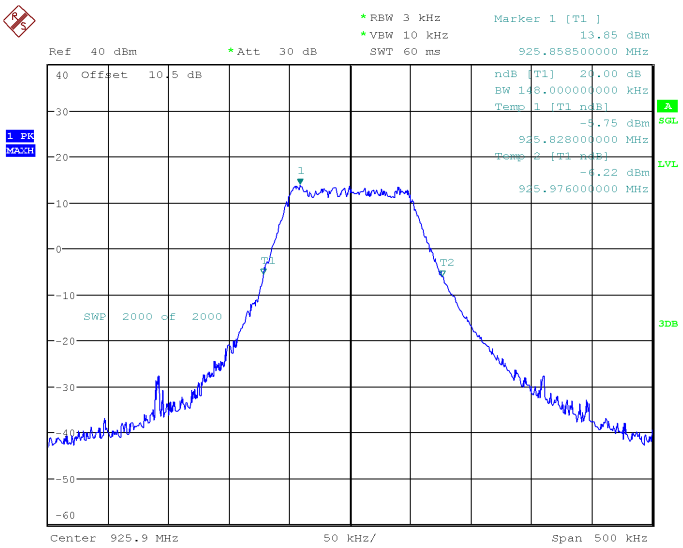
ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 23.SEP.2025 15:25:15

Middle Channel



ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 23.SEP.2025 15:30:13

High Channel



ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 23.SEP.2025 15:40:47

QUANTITY OF HOPPING CHANNEL TEST

Environmental Conditions & Test Information

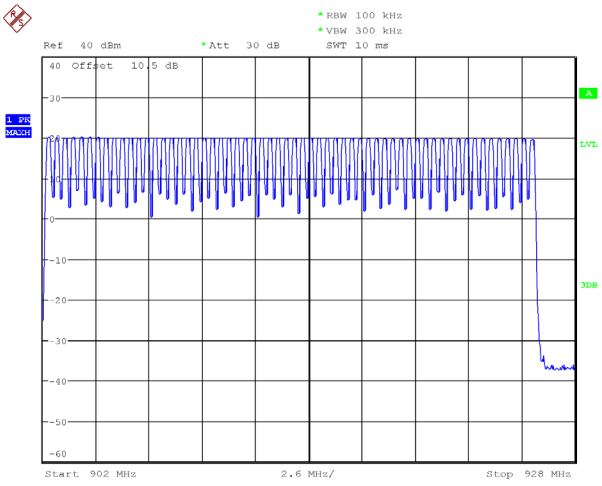
Test Date:	2025-09-23
Temperature:	23.7 ℃
Relative Humidity:	47 %
ATM Pressure:	100.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Hopping

Frequency Range (MHz)	Number of Hopping Channel (CH)	Limit (CH)
902-928 MHz	60	≥50

Number of Hopping Channels

902-928 MHz



TIME OF OCCUPANCY (DWELL TIME)

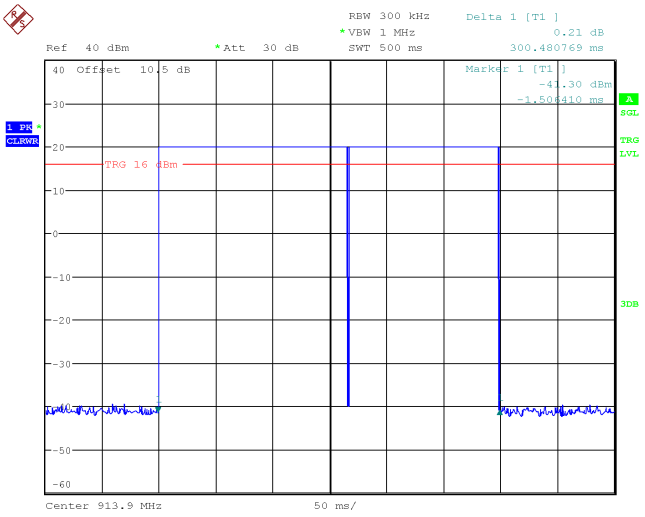
Environmental Conditions & Test Information

Test Date:	2025-09-23
Temperature:	23.7 ℃
Relative Humidity:	47 %
ATM Pressure:	100.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

EUT operation mode: Hopping

Channel	Frequency (MHz)	Burst Width (ms)	Total Hops (Num)	Dwell time (s)	Limit (s)	Result
Middle	913.9	300.481	1	0.300481	≤0.4	Pass

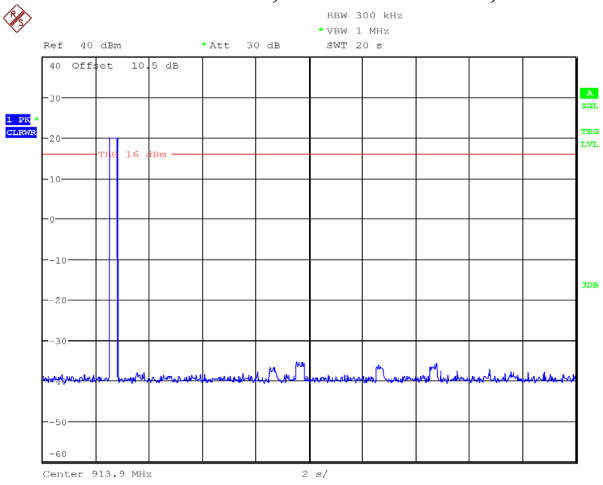
Pulse time, Middle Channel, 500ms



ProjectNo.:RKSA250722001 Tester:Neil Zhou

Date: 23.SEP.2025 14:59:03

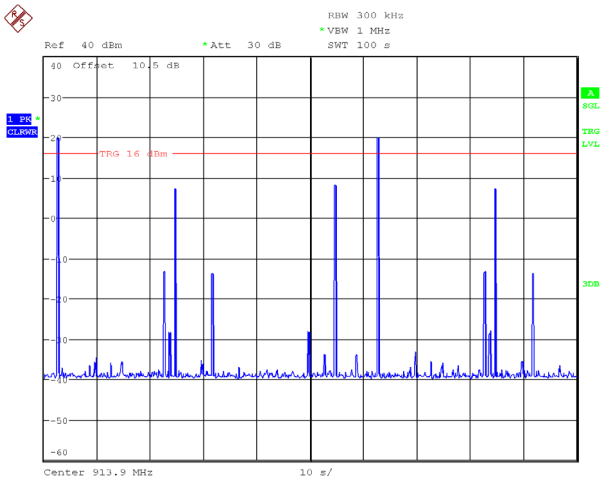
Pulse time, Middle Channel, 20s



ProjectNo.:RKSA250722001 Tester:Neil Zhou

Date: 23.SEP.2025 15:03:00

Pulse time, Middle Channel, 100s



ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 23.SEP.2025 15:05:14

MAXIMUM CONDUCTED OUTPUT POWER

Environmental Conditions & Test Information

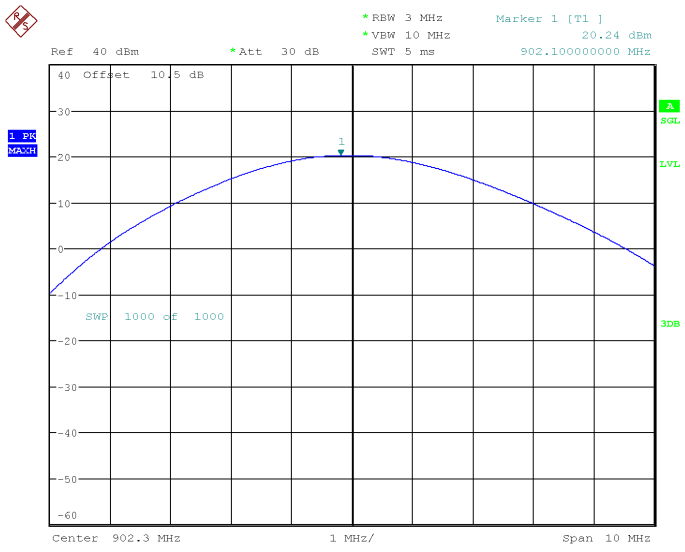
Test Date:	2025-09-23
Temperature:	23.7 ℃
Relative Humidity:	47 %
ATM Pressure:	100.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

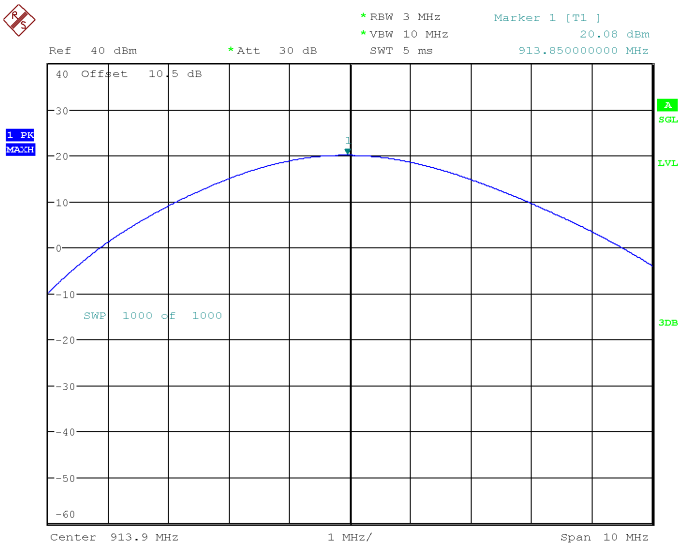
EUT operation mode: Transmitting

Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)	Result
Low	902.3	20.24	30	Pass
Middle	913.9	20.08	30	Pass
High	925.9	19.80	30	Pass

Low Channel

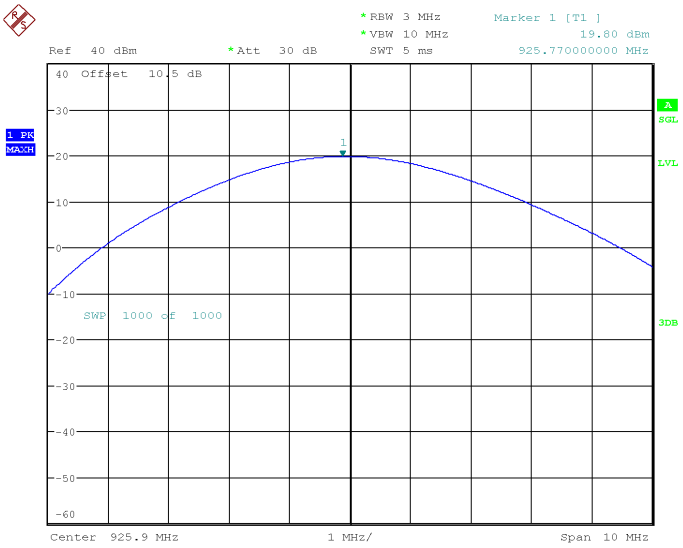


Middle Channel



ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 23.SEP.2025 16:02:18

High Channel



ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 23.SEP.2025 16:05:51

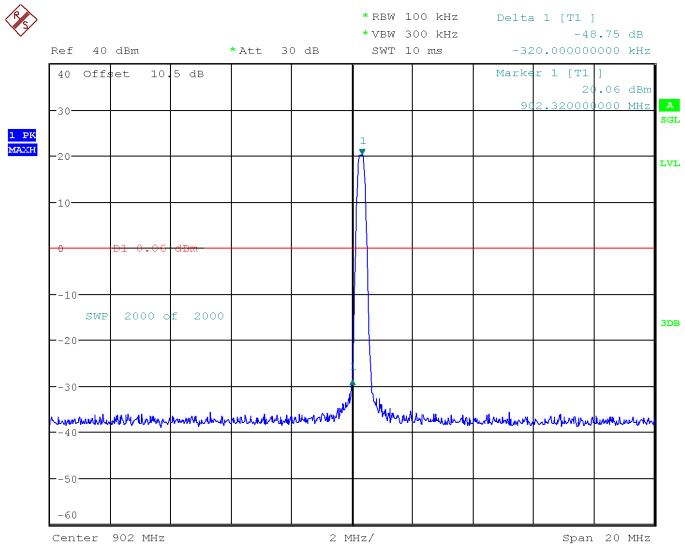
BAND EDGE

Environmental Conditions & Test Information

Test Date:	2025-09-23
Temperature:	23.7 ℃
Relative Humidity:	47 %
ATM Pressure:	100.9 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

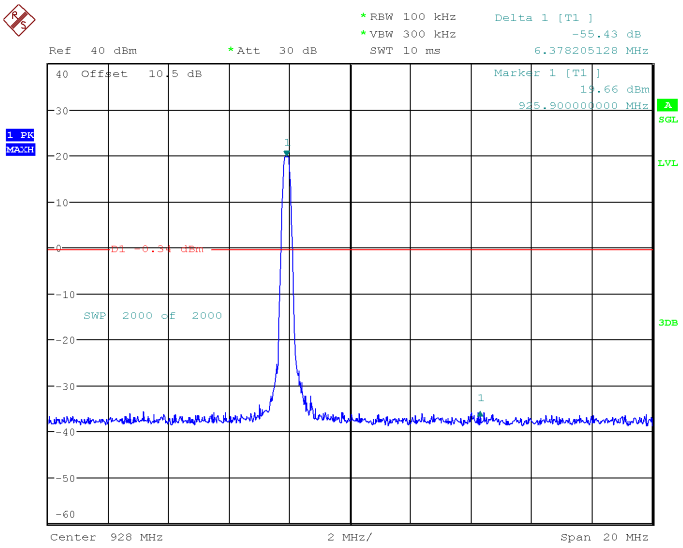
Test Result: Compliant.
EUT operation mode: Transmitting

Left Side



ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 23.SEP.2025 16:21:17

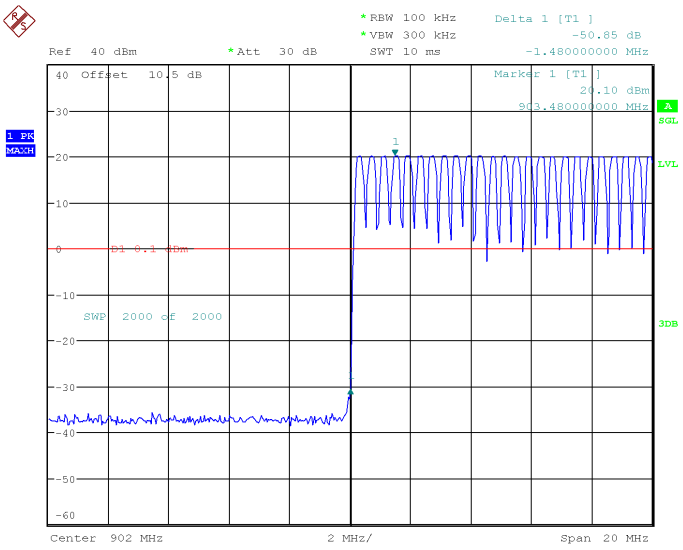
Right Side



ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 23.SEP.2025 16:16:33

Hopping

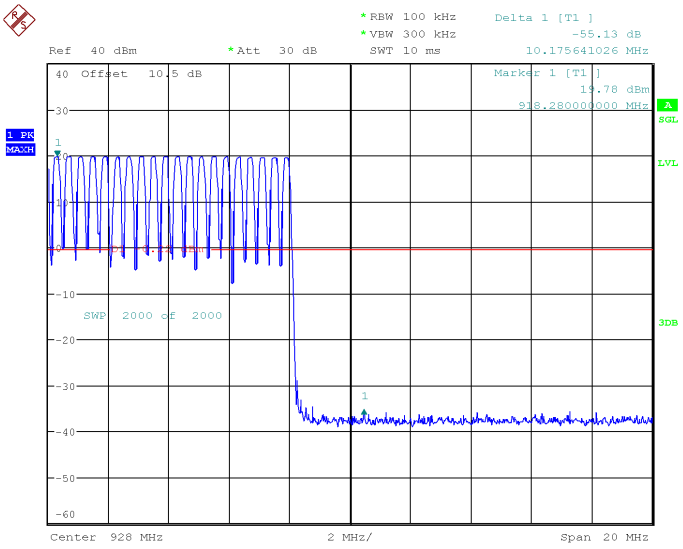
Left Side



ProjectNo.:RKSA250722001 Tester:Neil Zhou

Date: 23.SEP.2025 18:00:44

Right Side



ProjectNo.:RKSA250722001 Tester:Neil Zhou

Date: 23.SEP.2025 15:16:47

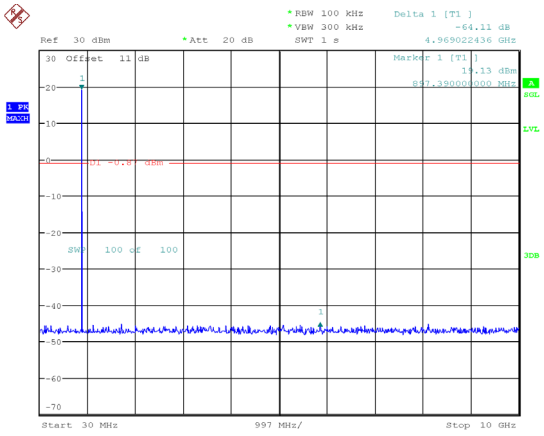
CONDUCTED SPURIOUS EMISSION

Environmental Conditions & Test Information

Test Date:	2025-10-28
Temperature:	23.8 ℃
Relative Humidity:	36 %
ATM Pressure:	102.8 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

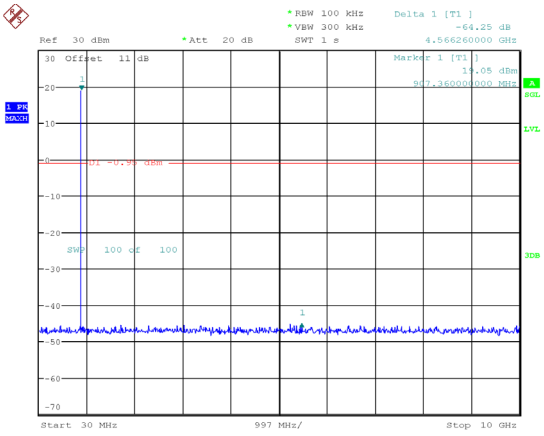
Channel	Result (dB)	Limit (dB)	Verdict
Low	64.11	20	Pass
Middle	64.25	20	Pass
High	64.44	20	Pass

Low Channel



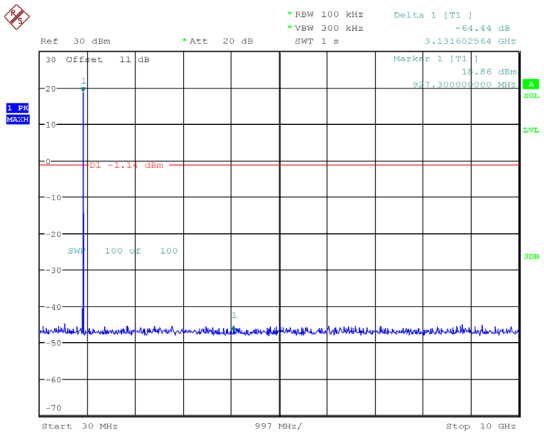
ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 28.OCT.2025 17:33:17

Middle Channel



ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 28.OCT.2025 17:37:28

High Channel



ProjectNo.:RKSA250722001 Tester:Neil Zhou
Date: 28.OCT.2025 17:29:23

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 C - TEST SETUP PHOTOGRAPHS.

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).

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.

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