

Prüfbericht-Nr.: <i>Test report no.:</i>	CN25WZ02 001	Auftrags-Nr.: <i>Order no.:</i>	170391432	Seite 1 von 22 Page 1 of 22	
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2024-10-21		
Auftraggeber: <i>Client:</i>	ONWARD BRANDS LLC 767 5TH AVE FL 37TH NEW YORK, NY 10153, USA				
Prüfgegenstand: <i>Test item:</i>	Dongle				
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	OB1461				
Auftrags-Inhalt: <i>Order content:</i>	Test Report				
Prüfgrundlage: <i>Test specification:</i>	FCC CFR Title 47, Part 15, Subpart C, Section 15.247 RSS-247 Issue 3 August 2023 RSS-Gen Issue 5 March 2019				
Wareneingangsdatum: <i>Date of sample receipt:</i>	2024-10-21	Please refer to Photo Document			
Prüfmuster-Nr.: <i>Test sample no.:</i>	S24101025-001				
Prüfzeitraum: <i>Testing period:</i>	2024-10-21 - 2025-01-16				
Ort der Prüfung: <i>Place of testing:</i>	Refer to section 2.1				
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Guangdong) Co., Ltd.				
Prüfergebnis*: <i>Test result*:</i>	Pass				
geprüft von: <i>tested by:</i>			genehmigt von: <i>authorized by:</i>		
Datum: <i>Date:</i>	2025-02-20		Ausstellungsdatum: <i>Issue date:</i>	2025-02-20	
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / Other:	FCC ID: 2BCOY-OB1461 IC: 32736-OB1461 HVIN: OB1461				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested					
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>					

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Anmerkungen
Remarks

1	The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request. <i>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</i> <i>Detaillierte Informationen bezüglich Prüfbedingungen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i>
2	As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. <i>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</i>
3	Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report. <i>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</i>
4	The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019. <i>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezueglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</i>

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 99% BANDWIDTH

RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.8 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of the Test Set-up

Appendix B: Test Results of General 2.4GHz Wireless

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2 Test Sites

2.1 Test Facilities

Guangdong Dongdian Testing Service Co., Ltd.

Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China

FCC Accreditation Designation No.: CN1182

ISED wireless device testing laboratory: 10288A

TÜV Rheinland (Guangdong) Co., Ltd. subcontract all test to Guangdong Dongdian Testing Service Co., Ltd. And all tests at this site have been conducted under the supervision of a TÜV Rheinland engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing				
Equipment	Manufacturer	Model	Serial No.	Cal. until
Signal & Spectrum Analyzer	R&S	FSV3044	101173	2025/03/31
Wideband Radio Communication Tester	R&S	CMW500	168801	2025/03/31
MXG Vector Signal Generator	Agilent	N5182A	MY48180737	2025/03/31
PSG Vector Signal Generator	Agilent	E8267D	US49060192	2025/08/25
RF Control Unit	Tonsend	JS0806-2	2118060485	2025/03/31
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2025/04/22
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A
Unwanted Emission Testing				
Equipment	Manufacturer	Model	Serial No.	Cal. until
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/03/31
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/03/31
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/08/25
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/03/31
Trilog Broadband	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11

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Antenna				
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26

AC Mains Conducted Emission

Equipment	Manufacturer	Model	Serial No.	Cal. until
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/03/31
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/03/31
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/08/25
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/03/31
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally, all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

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Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.74dB
Occupied Channel Bandwidth	1.1%
RF power density, conducted	± 0.74dB
Unwanted Emissions, conducted	0.86 dB (10 MHz ≤ f < 3.6 GHz)
	1.40 dB (3.6 GHz ≤ f < 8 GHz)
	1.66 dB (8 GHz ≤ f < 26.5 GHz)
All emissions, radiated	4.84 dB (30 M - 1 GHz)
	4.10 dB (1 - 6 GHz)
	4.40 dB (6 GHz - 18 GHz)
	3.54 dB (18 GHz - 26 GHz)
Conducted Emission 150kHz to 30MHz	± 3.34dB
AC Mains Conducted Emissions	± 2.44 dB.

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Guangdong) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Guangdong Dongdian Testing Service Co., Ltd. Test facility located at Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

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3 General Product Information

3.1 Product Function and Intended Use

The EUT is a wireless Dongle, which supports General 2.4GHz wireless technology.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Dongle
Type Designation:	OB1461
FCC ID:	2BCOY-OB1461
IC:	32736-OB1461
HVIN:	OB1461
Operating Voltage:	DC 5.0V (supplied by USB port)
Testing Voltage:	DC 5.0V
Technical Specification of SRD	
Frequency Range:	2403 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	78 channels
Channel Separation:	1 MHz
Antenna Type:	PCB Layout antenna
Antenna Gain:	-2.75 dBi Max (As detailed in Antenna spec)

Table 4: RF Channel and Frequency of General 2.4GHz wireless

CHANNEL	FREQ (MHz)	CHANNEL	FREQ (MHz)	CHANNEL	FREQ (MHz)	CHANNEL	FREQ. (MHz)
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478

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17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		
20	2422	40	2442	60	2462		

Test frequencies are lowest channel: 2403 MHz, middle channel: 2444 MHz and highest channel: 2480 MHz.

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, General 2.4GHz wireless
 - 1 Transmitting (Low / Middle / High channel)
 - 2 Receiving (Low / Middle / High channel)
- B. On, Operating on normal mode
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- FCC/IC Label and Location Info
- User Manual

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013.

4.3 Special Accessories and Auxiliary Equipment

Table 5: Auxiliary Equipment Used during Test

Description	Manufacturer	Model	S/N	Rating
Laptop	Lenovo	i7-4810MQ	00331-1000-00001-AA816	N/A
monitor	Dell	E1910Hc	--	--
Desktop PC	HP	HP ZHAN 99 Pro	--	--
Printer	HP	LaserJet 1020 plus	--	--

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

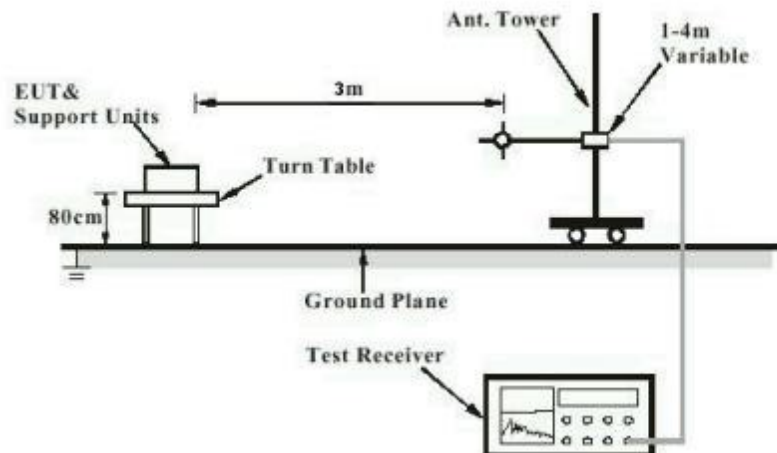


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

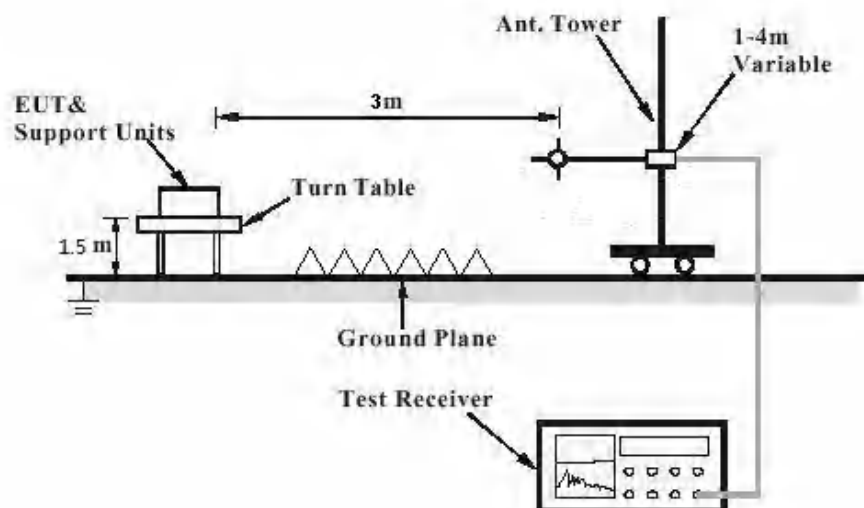


Diagram of Measurement Configuration for Mains Conduction Measurement

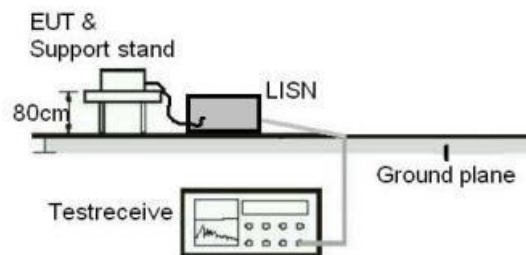
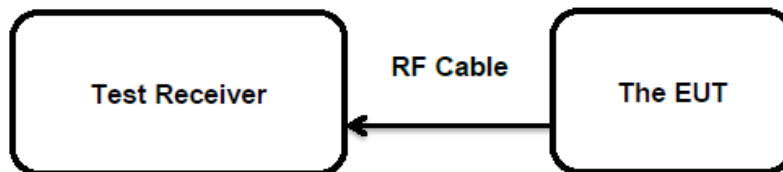


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(4) and Part 15.203
RSS-Gen Clause 6.8

The EUT has an PCB antenna, the directional gain of antenna is -2.75 dBi, permanent attachment and no consideration of replacement.

Therefore, the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

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5.1.2 Maximum Peak Conducted Output Power

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(3)
RSS-247 Clause 5.4(d)
Basic standard : ANSI C63.10: 2013
Limits : 1.0 Watts
Kind of test site : Shielded Room

Test Setup

Date of testing : 2025-01-13
Input voltage : DC 3.0 V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 23.6 °C
Relative humidity : 48.1 %
Atmospheric pressure : 101 kPa

Table 6: Test Result of Maximum Peak Conducted Output Power

Test Mode	Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (W)
			(dBm)	(W)	
SRD	--	2403	0.37	0.0011	< 1.0
		2444	0.08	0.0010	
		2480	-1.41	0.0007	
Maximum Measured Value			0.37	0.0011	

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): -2.75 dBi,
e.i.r.p.=P_(Peak power)+ G, which is far below the 4 W

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5.1.3 Conducted Power Spectral Density

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(e) RSS-247 Clause 5.2(b)
Basic standard	: ANSI C63.10: 2013
Limits	: < 8 dBm / 3kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-01-16
Input voltage	: DC 3.0 V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23.6 °C
Relative humidity	: 48.1 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

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5.1.4 6dB Bandwidth

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(a)(2)
RSS-247 Clause 5.2(a)
Basic standard : ANSI C63.10: 2013
Limits : > 500 KHz
Kind of test site : Shielded Room

Test Setup

Date of testing : 2025-01-16
Input voltage : DC 3.0 V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 23.6 °C
Relative humidity : 48.1 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

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5.1.5 99% Bandwidth

RESULT:

Pass

Test Specification

Test standard : RSS-Gen Clause 6.7
Basic standard : ANSI C63.10: 2013
Kind of test site : Shielded Room

Test Setup

Date of testing : 2025-01-16
Input voltage : DC 3.0 V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 23.6 °C
Relative humidity : 48.1 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

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5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(d) RSS-247 Clause 5.5
Basic standard	: ANSI C63.10: 2013
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-01-16
Input voltage	: DC 3.0 V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23.6 °C
Relative humidity	: 48.1 %
Atmospheric pressure	: 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendix B.

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5.1.7 Radiated Spurious Emission

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(d) & FCC Part 15.205
RSS-247 Clause 3.3
Basic standard : ANSI C63.10: 2013
Limits : Refer to 15.209(a) of FCC part 15.247(d)
RSS-Gen Section 8.9 & 8.10
Kind of test site : 3m Semi-anechoic Chamber

Test Setup

Date of testing : 2025-01-17
Input voltage : DC 3.0 V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : Refer to test result
Relative humidity : Refer to test result
Atmospheric pressure : 101 kPa

Remark:

Testing carried out within frequency range 9kHz to the tenth harmonics, only the worst-case spurious emissions configuration of each mode was reported.

For the measurement records, refer to the appendix B.

Prüfbericht - Nr.: CN25WZ02 001
Test Report No.:

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5.1.8 Conducted Emission on AC Mains

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.207(a)
RSS-Gen Section 8.8
Basic standard : ANSI C63.10: 2013
Limits : FCC Part 15.207(a)
RSS-Gen Table 4
Kind of test site : Shielded Room

Test Setup

Date of testing : 2024-10-21
Input voltage : Supplied by PC USB Port (PC input voltage 120Vac, 60Hz)
Operation mode : B
Earthing : Not Connected
Ambient temperature : Refer to test result
Relative humidity : Refer to test result
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

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APPENDIX B: TEST RESULTS OF GENERAL 2.4GHZ WIRELESS

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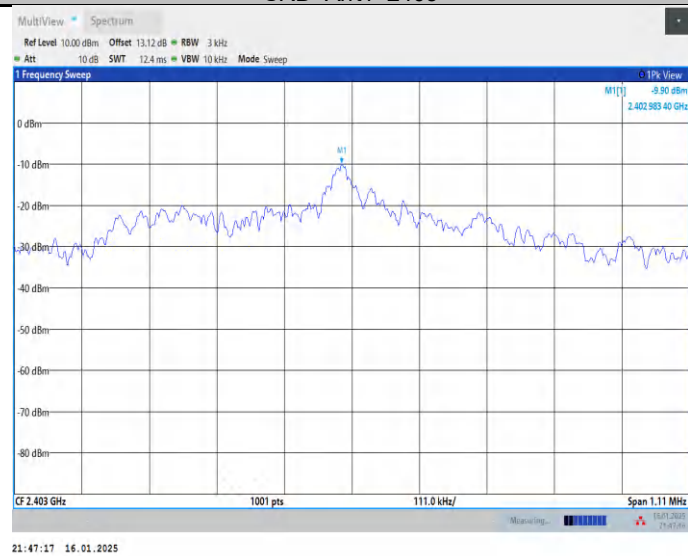
APPENDIX B.1: CONDUCTED POWER SPECTRAL DENSITY

Test Result

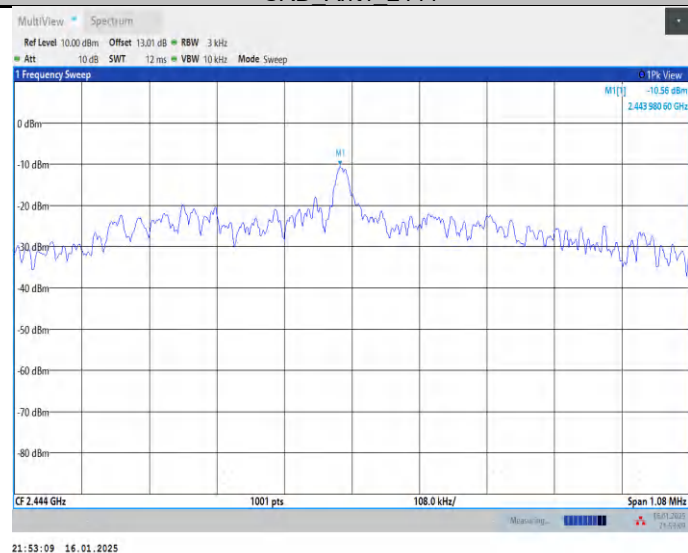
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2403	-9.90	≤8.00	PASS
		2444	-10.56	≤8.00	PASS
		2480	-13.37	≤8.00	PASS

Test Graphs

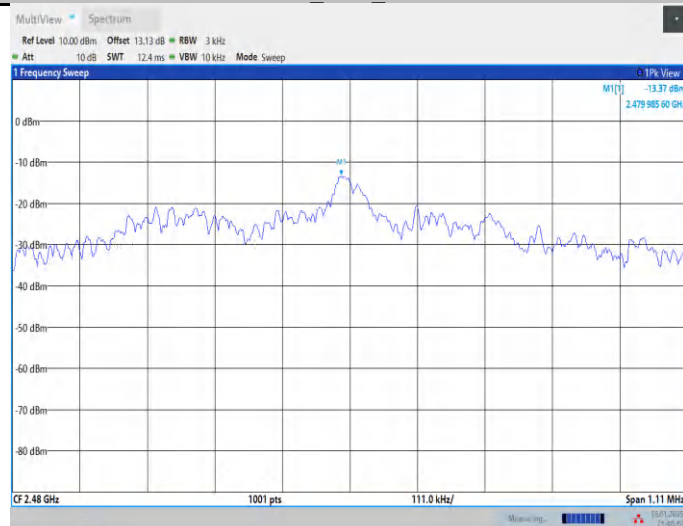
SRD Ant1 2403



SRD Ant1 2444



SRD_Ant1_2480



Appendix B

CN25WZ02 001

Produkte
Products

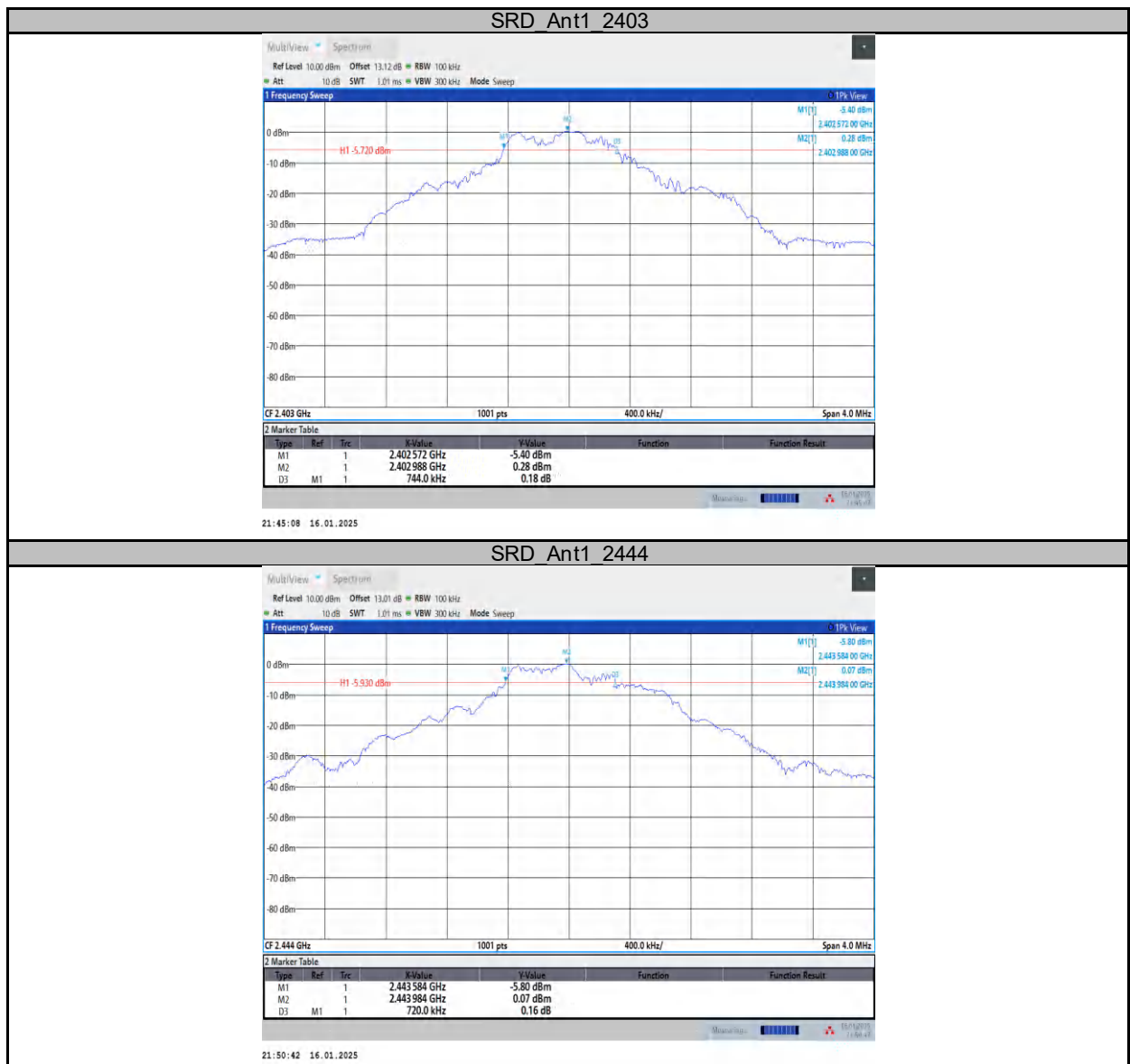
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APPENDIX B.2: 6dB BANDWIDTH

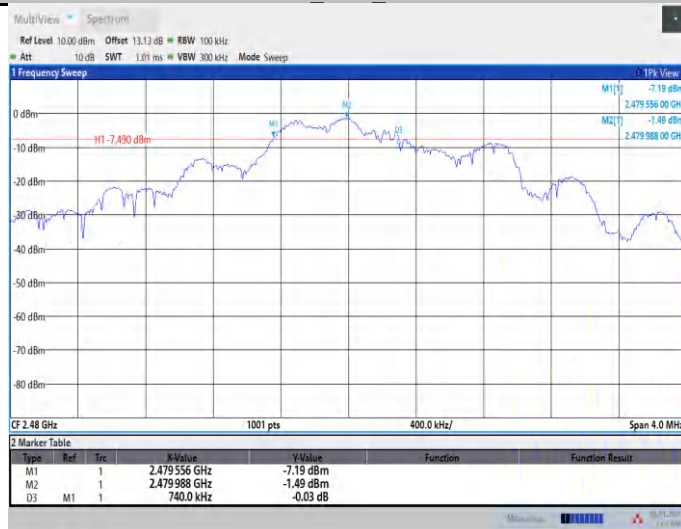
Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
SRD	Ant1	2403	0.74	2402.57	2403.32	0.5	PASS
		2444	0.72	2443.58	2444.30	0.5	PASS
		2480	0.74	2479.56	2480.30	0.5	PASS

Test Graphs



SRD_Ant1_2480



APPENDIX B.3: 99% BANDWIDTH

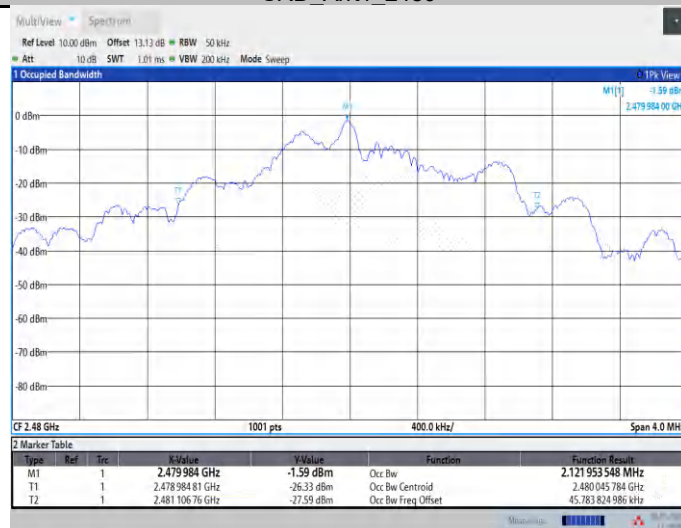
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
SRD	Ant1	2403	1.738	2402.1100	2403.8481	---	---
		2444	1.763	2443.1021	2444.8651	---	---
		2480	2.122	2478.9848	2481.1068	---	---

Test Graphs



SRD_Ant1_2480



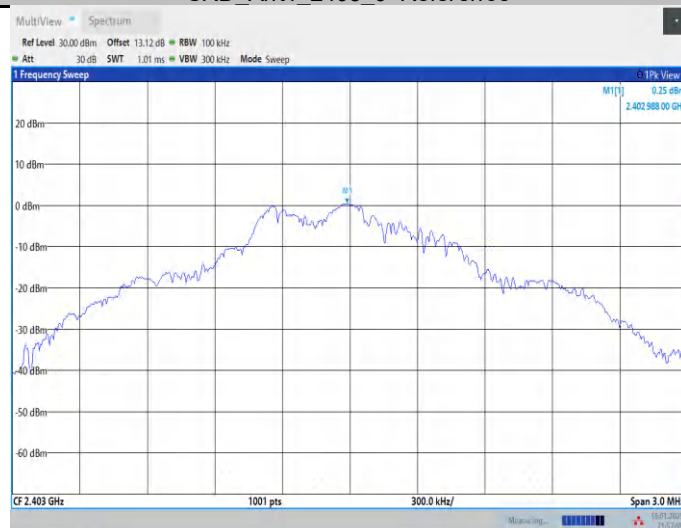
APPENDIX B.4: CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

Test Result

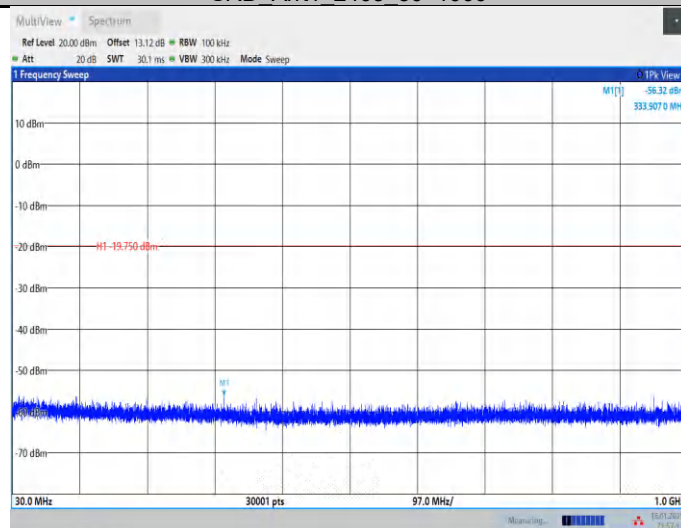
Mode	Freq. (MHz)	Verdict
SRD	2403	Pass
	2444	Pass
	2480	Pass

Test Graphs

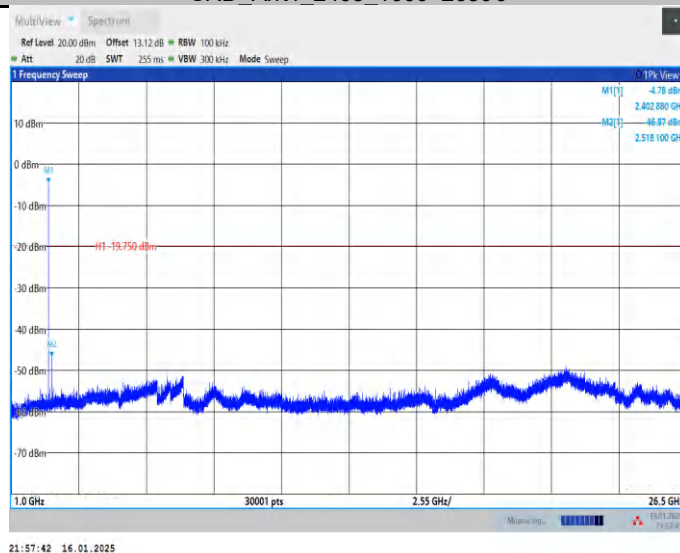
SRD_Ant1_2403_0~Reference



SRD_Ant1_2403_30~1000



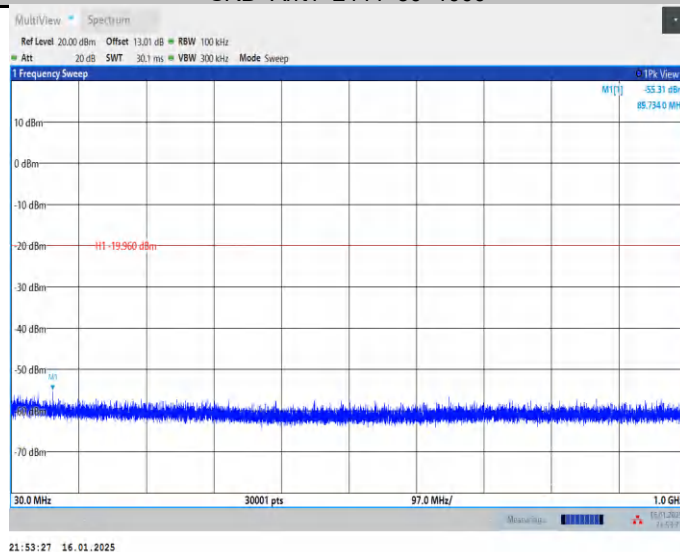
SRD Ant1_2403_1000~26500



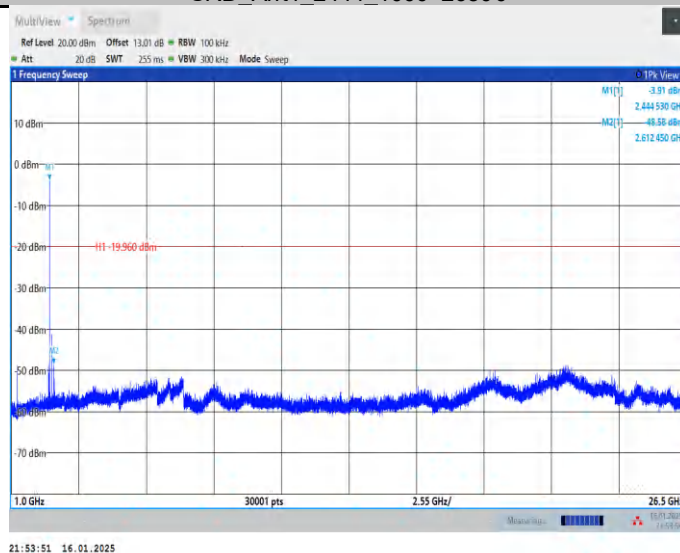
SRD Ant1_2444_0~Reference



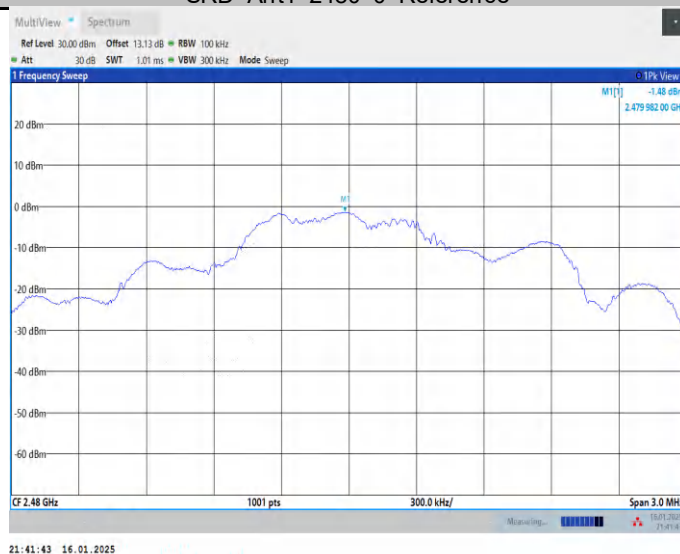
SRD Ant1_2444_30~1000



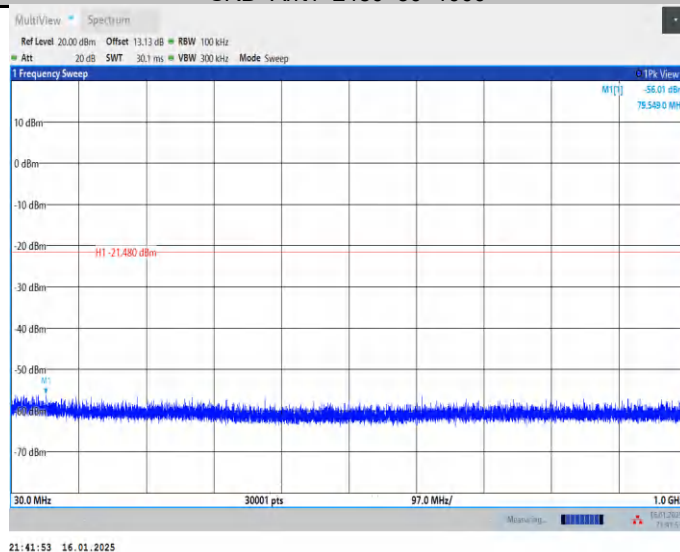
SRD Ant1_2444_1000~26500

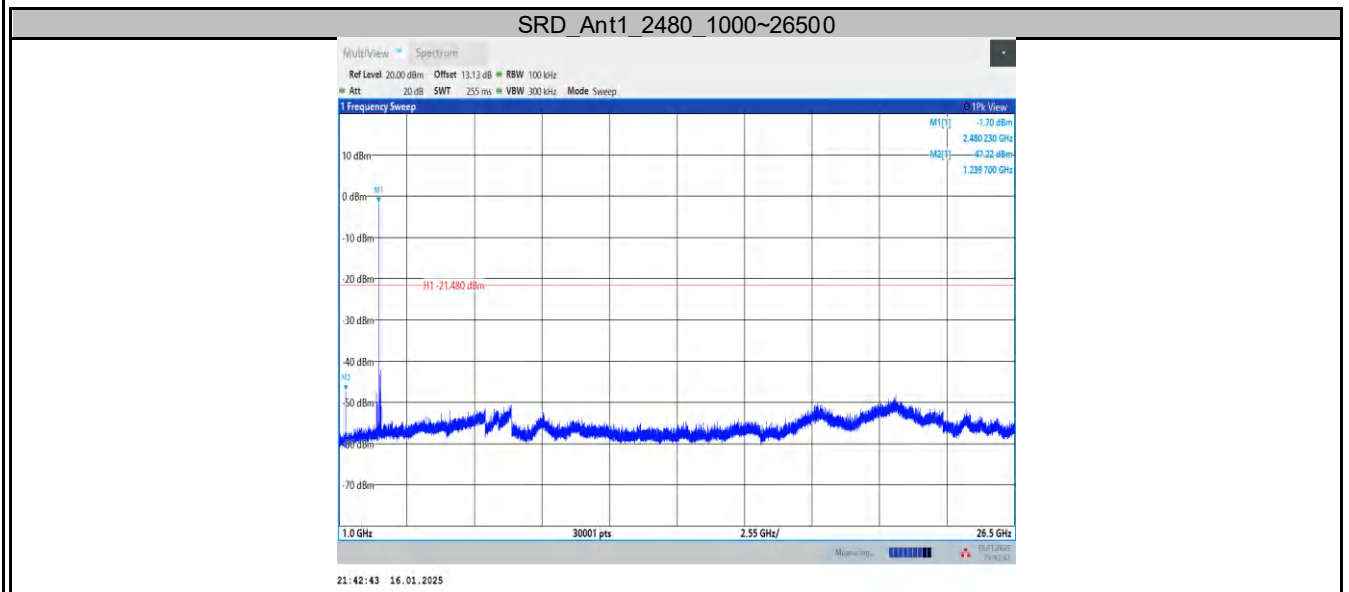


SRD Ant1_2480_0~Reference



SRD Ant1_2480_30~1000





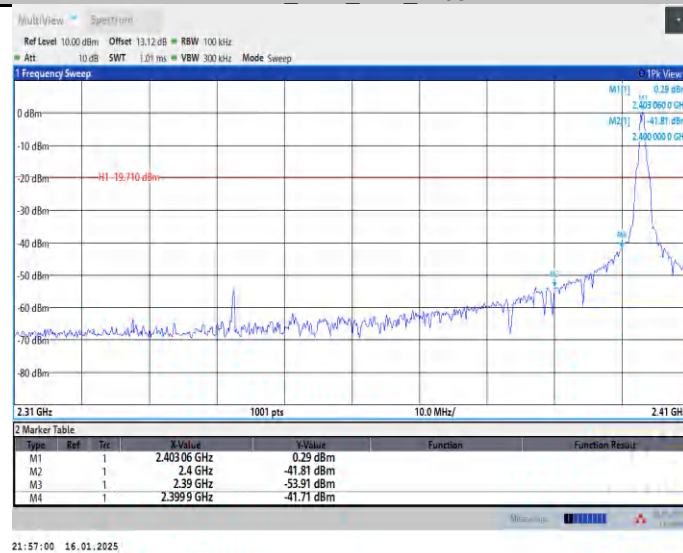
APPENDIX B.5: BAND EDGE COMPLIANCE (CONDUCTED METHOD)

Test Result

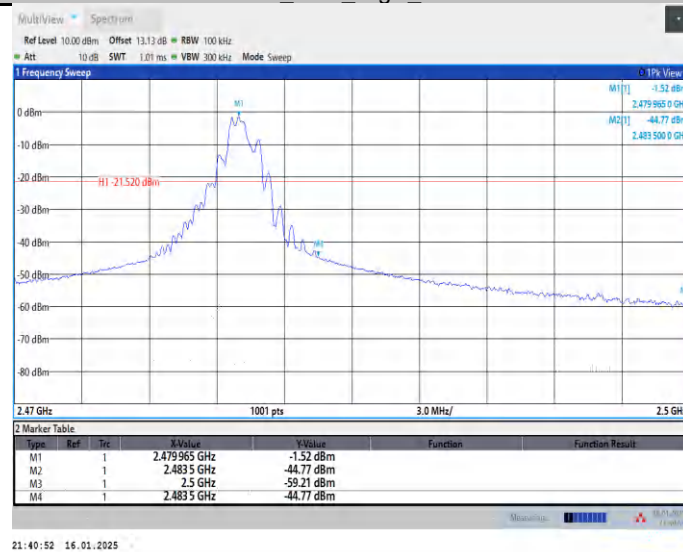
EUT Set Mode	CH or Frequency	Measured Range	Verdict
SRD	2403	2.310 GHz - 2.410 GHz	Pass
	2480	2.470 GHz - 2.500 GHz	Pass

Test Graphs

SRD_Ant1_Low_2403



SRD_Ant1_High_2480



APPENDIX B.6: RADIATED SPURIOUS EMISSIONS

Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

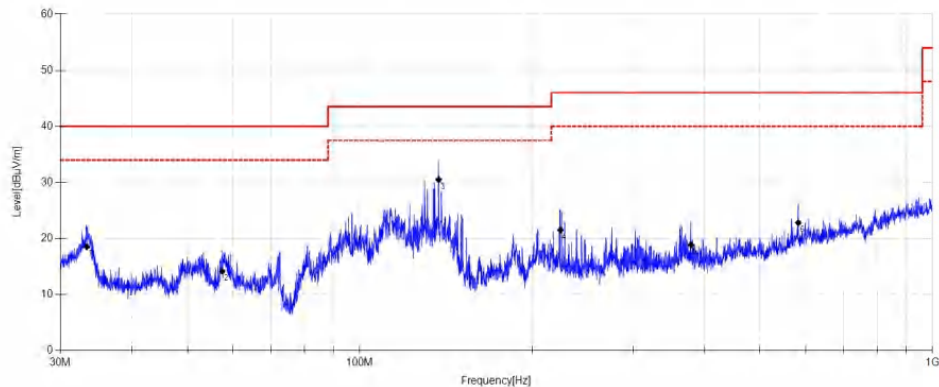
30 MHz to 1GHz



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TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-16 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: TX 2480MHz SRD Mode **Power Supply:** DC 5V
Condition: Temp: 21.3°C; Humi: 47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC BELOW1G SRD\20250116-080559_H
Memo: Sample Numble: S24101020-006 Power Setting: 0



Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	33.351	34.7	11.13	3.78	18.51	40.00	21.49	QP	Horizontal
2	57.546	28.82	12.48	3.94	14.14	40.00	25.86	QP	Horizontal
3	137.378	49.02	8.18	4.42	30.48	43.50	13.02	QP	Horizontal
4	224.114	36.64	11.25	4.87	21.51	46.00	24.49	QP	Horizontal
5	378.658	29.33	15.47	5.53	18.89	46.00	27.11	QP	Horizontal
6	583.214	29.45	18.55	6.31	22.81	46.00	23.19	QP	Horizontal

Note:

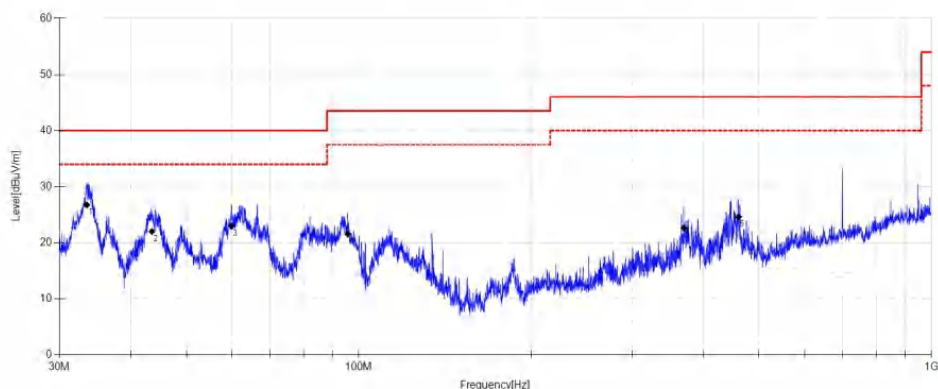
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.



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Tel:0769-38826678 <http://www.dgddt.com>

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-16 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: TX 2480MHz SRD Mode **Power Supply:** DC 5V
Condition: Temp:21.3°C,Humi:47.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC BELOW1G SRD\20250116-080645_V
Memo: Sample Numbler:S24101020-006 Power Setting:0



Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	33.491	42.83	11.22	3.78	26.73	40.00	13.27	QP	Vertical
2	43.533	36.37	12.91	3.84	22.02	40.00	17.98	QP	Vertical
3	59.977	37.32	12.79	3.96	22.97	40.00	17.03	QP	Vertical
4	95.673	37.77	10.70	4.19	21.56	43.50	21.94	QP	Vertical
5	369.737	32.83	15.75	5.50	22.65	46.00	23.35	QP	Vertical
6	460.476	34.33	15.90	5.85	24.60	46.00	21.40	QP	Vertical

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

1GHz-18GHz

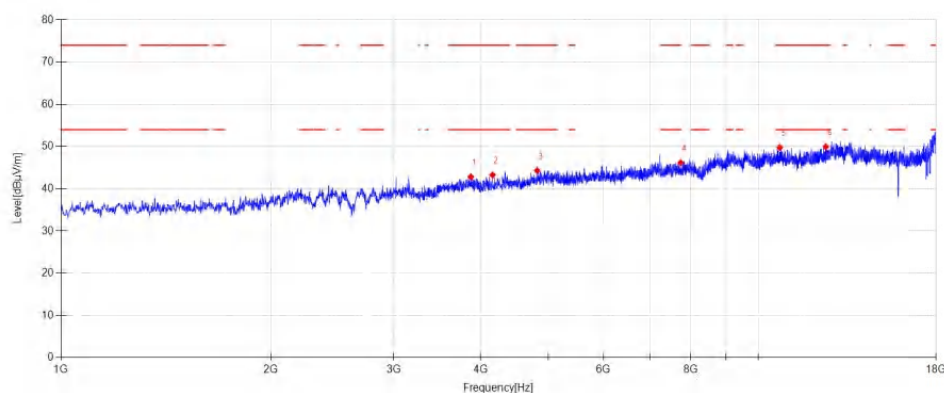


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TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-13 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: SRD 2403MHz TX mode **Power Supply:** DC 5V
Condition: Temp: 23.5°C, Humi: 65.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G SRD\1
Memo: Sample Number: S24091913-001 Power Setting: 13

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3871.300	46.38	31.03	5.07	-39.65	42.83	74.00	31.17	PK	Vertical
2	4158.600	46.59	31.20	5.15	-39.67	43.27	74.00	30.73	PK	Vertical
3	4819.900	45.37	33.02	5.54	-39.61	44.32	74.00	29.68	PK	Vertical
4	7742.200	42.89	36.78	6.83	-40.33	46.17	74.00	27.83	PK	Vertical
5	10735.900	41.55	39.40	8.00	-39.16	49.79	74.00	24.21	PK	Vertical
6	12503.900	41.45	39.40	9.02	-39.90	49.97	74.00	24.03	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

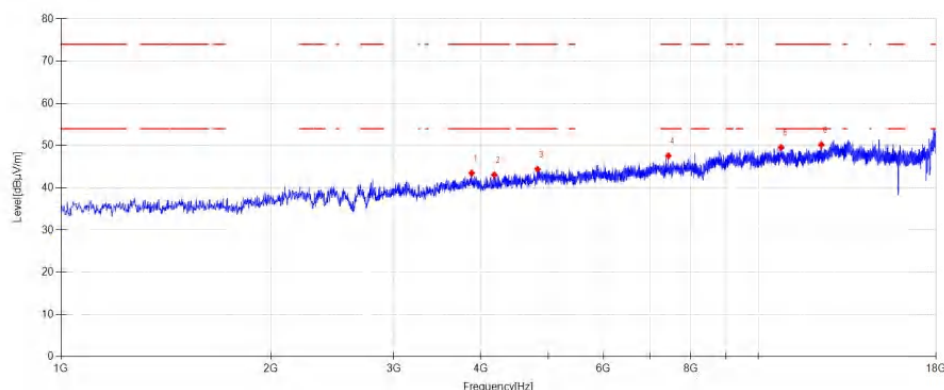


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Guangdong Dongdian Testing Service Co., Ltd.
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TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-13 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: SRD 2403MHz TX mode **Power Supply:** DC 5V
Condition: Temp: 23.5°C, Humi: 65.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G SRD\2
Memo: Sample Number: S24101025-001 Power Setting: 0

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3881.500	46.98	31.09	5.07	-39.65	43.49	74.00	30.51	PK	Horizontal
2	4182.400	46.40	31.20	5.16	-39.67	43.09	74.00	30.91	PK	Horizontal
3	4825.000	45.33	33.15	5.55	-39.61	44.42	74.00	29.58	PK	Horizontal
4	7434.500	44.92	36.63	6.67	-40.61	47.61	74.00	26.39	PK	Horizontal
5	10786.900	41.29	39.40	8.02	-39.13	49.58	74.00	24.42	PK	Horizontal
6	12320.300	41.92	39.30	8.92	-39.94	50.20	74.00	23.80	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

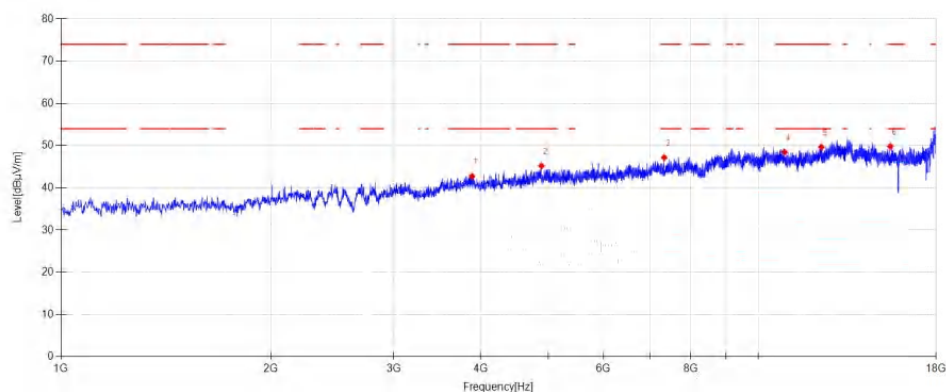


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TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-13 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: SRD 2444MHz TX mode **Power Supply:** DC 5V
Condition: Temp: 23.5°C, Humi: 65.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G SRD\3
Memo: Sample Number: S24101025-001 Power Setting: 0

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3884.900	46.20	31.11	5.07	-39.65	42.73	74.00	31.27	PK	Vertical
2	4887.900	46.02	33.19	5.58	-39.61	45.18	74.00	28.82	PK	Vertical
3	7332.500	44.42	36.84	6.62	-40.70	47.18	74.00	26.82	PK	Vertical
4	10905.900	40.12	39.30	8.08	-39.06	48.44	74.00	25.56	PK	Vertical
5	12322.000	41.39	39.30	8.92	-39.94	49.67	74.00	24.33	PK	Vertical
6	15473.800	40.59	38.85	9.80	-39.40	49.84	74.00	24.16	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

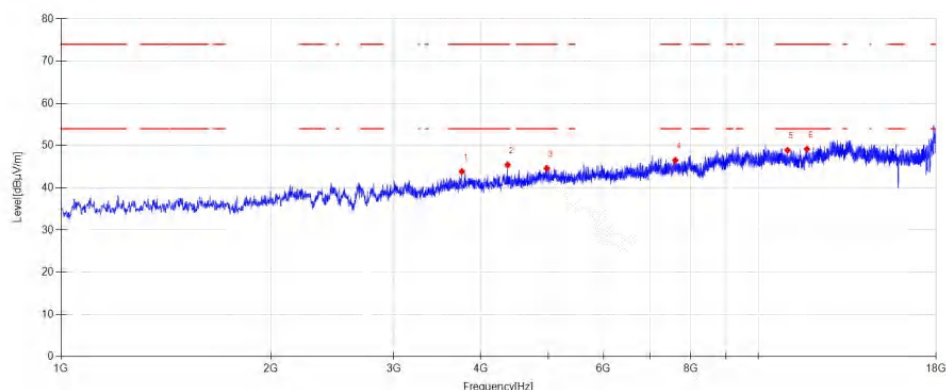


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TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-13 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: SRD 2444MHz TX mode **Power Supply:** DC 5V
Condition: Temp: 23.5°C, Humi: 65.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G SRD\4
Memo: Sample Number: S24101025-001 Power Setting: 0

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3759.100	47.85	30.54	5.09	-39.62	43.86	74.00	30.14	PK	Horizontal
2	4371.100	48.18	31.64	5.27	-39.65	45.44	74.00	28.56	PK	Horizontal
3	4976.300	45.44	33.15	5.64	-39.60	44.63	74.00	29.37	PK	Horizontal
4	7606.200	43.70	36.51	6.76	-40.45	46.52	74.00	27.48	PK	Horizontal
5	11018.100	40.48	39.30	8.14	-39.02	48.90	74.00	25.10	PK	Horizontal
6	11745.700	41.38	38.95	8.60	-39.75	49.18	74.00	24.82	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

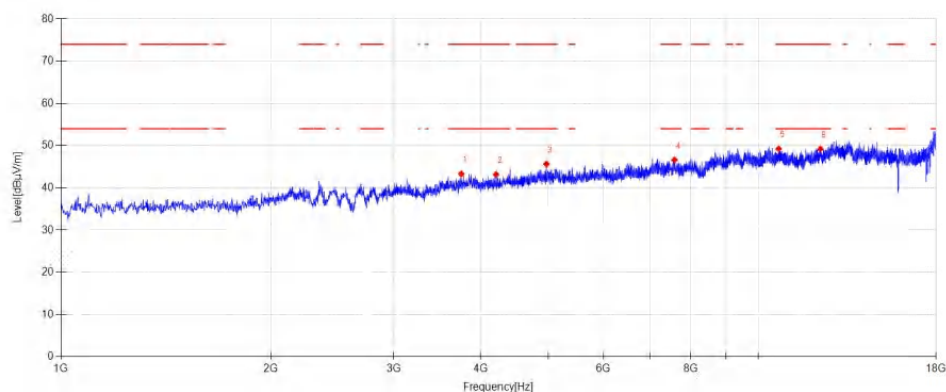


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TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-13 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: SRD 2480MHz TX mode **Power Supply:** DC 5V
Condition: Temp: 23.5°C, Humi: 65.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G SRD\5
Memo: Sample Number: S24101025-001 Power Setting: 0

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3750.600	47.36	30.50	5.09	-39.62	43.33	74.00	30.67	PK	Vertical
2	4207.900	46.44	31.23	5.17	-39.66	43.18	74.00	30.82	PK	Vertical
3	4967.800	46.47	33.14	5.63	-39.60	45.64	74.00	28.36	PK	Vertical
4	7584.100	43.85	36.47	6.75	-40.47	46.60	74.00	27.40	PK	Vertical
5	10700.200	41.03	39.40	7.98	-39.18	49.23	74.00	24.77	PK	Vertical
6	12282.900	40.96	39.30	8.90	-39.94	49.22	74.00	24.78	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

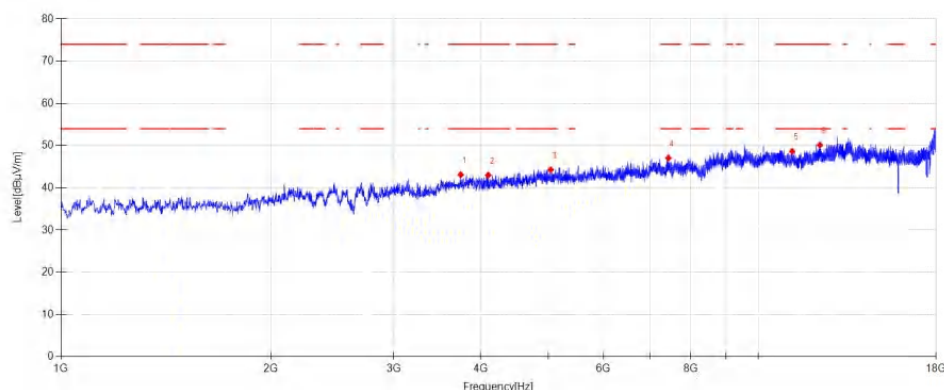


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TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-13 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: SRD 2480MHz TX mode **Power Supply:** DC 5V
Condition: Temp: 23.5°C, Humi: 65.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G SRD\6
Memo: Sample Number: S24101025-001 Power Setting: 0

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3743.800	47.15	30.49	5.09	-39.62	43.11	74.00	30.89	PK	Horizontal
2	4100.800	46.48	31.10	5.11	-39.67	43.02	74.00	30.98	PK	Horizontal
3	5039.200	44.96	33.28	5.67	-39.60	44.31	74.00	29.69	PK	Horizontal
4	7432.800	44.39	36.63	6.67	-40.61	47.08	74.00	26.92	PK	Horizontal
5	11191.500	40.38	39.21	8.25	-39.19	48.65	74.00	25.35	PK	Horizontal
6	12264.200	41.90	39.30	8.89	-39.95	50.14	74.00	23.86	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

APPENDIX B.7: RADIATED EMISSIONS IN RESTRICTED BANDS

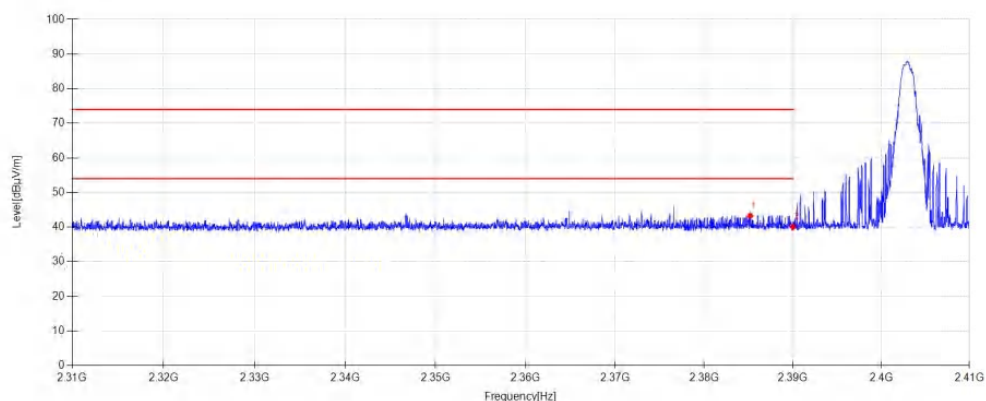


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Guangdong Dongdian Testing Service Co., Ltd.
Tel:0769-38826678 <http://www.dgddt.com>

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-13 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: SRD 2403MHz TX mode **Power Supply:** DC 5V
Condition: Temp.23.5°C;Humi.65.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G SRD\7
Memo: Sample Number:S24101025-001 Power Setting:0

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2385.180	12.47	27.24	3.57	0.00	43.28	74.00	30.72	PK	Vertical
2	2390.000	9.26	27.26	3.57	0.00	40.09	74.00	33.91	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

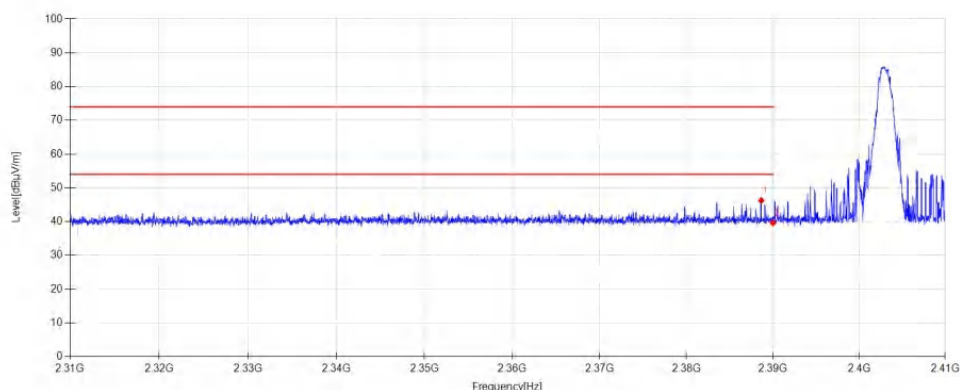


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Guangdong Dongdian Testing Service Co., Ltd.
Tel: 0769-38826678 <http://www.dgddt.com>

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-13 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: SRD 2403MHz TX mode **Power Supply:** DC 5V
Condition: Temp: 23.5°C, Humi: 65.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G SRD\8
Memo: Sample Number: S24101025-001 Power Setting: 0

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2388.640	15.44	27.25	3.57	0.00	46.26	74.00	27.74	PK	Horizontal
2	2390.000	8.78	27.26	3.57	0.00	39.61	74.00	34.39	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

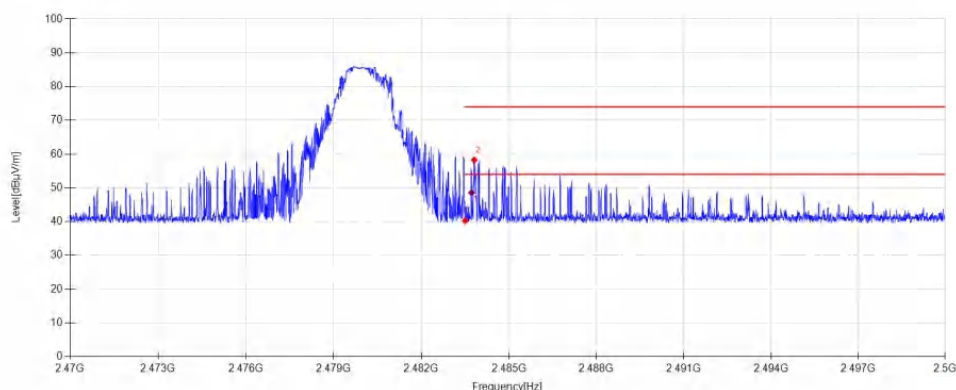


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TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-13 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: SRD 2480MHz TX mode **Power Supply:** DC 5V
Condition: Temp: 23.5°C, Humi: 65.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G SRD\9
Memo: Sample Number: S24101025-001 Power Setting: 0

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	9.11	27.53	3.62	0.00	40.26	74.00	33.74	PK	Vertical
2	2483.812	27.10	27.54	3.62	0.00	58.26	74.00	15.74	PK	Vertical

Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.718	17.42	27.54	3.62	48.58	54.00	5.42	AV	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

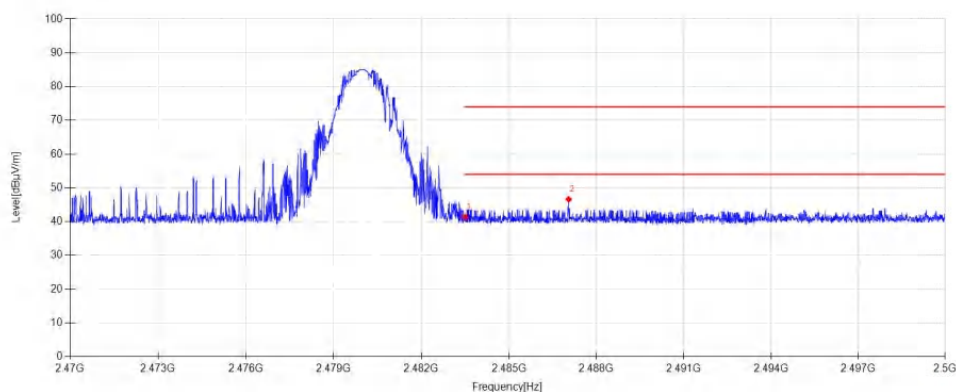


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Guangdong Dongdian Testing Service Co., Ltd.
Tel: 0769-38826678 <http://www.dgddt.com>

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-01-13 **Tested By:** Zhong Nan
EUT: Dongle **Model Number:** OB1461
Test Mode: SRD 2480MHz TX mode **Power Supply:** DC 5V
Condition: Temp: 23.5°C, Humi: 65.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G SRD\10
Memo: Sample Number: S24101025-001 Power Setting: 0

Test Graph



Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	10.18	27.53	3.62	0.00	41.33	74.00	32.67	PK	Horizontal
2	2487.052	15.43	27.55	3.62	0.00	46.60	74.00	27.40	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

APPENDIX B.8: AC MAIN CONDUCTED EMISSIONS

Guangdong Dongdian Testing Service Co., Ltd.

Report No.:«reportNo»

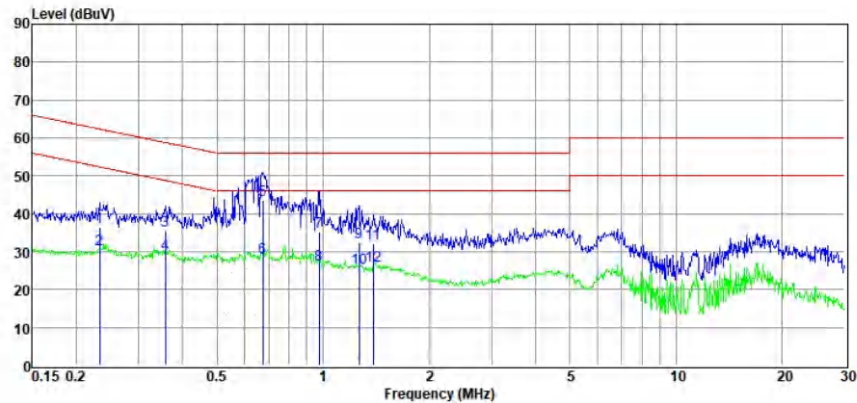
1.3. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room
Test Date : 2024-10-21
Sample No. : S24101025-001
Power Supply : Battery / DC 5V*
Condition : Temp.23.9°C,Humi.65.4%
Memo : *Dongle supplied by PC USB port (AC 120V/60Hz for PC input)

D:\2024 report data\Q24101025-2E\1021 RE.EM6
Tested By : Yulia He
Test Mode : Working mode
LISN : 2023 ENV216 2#/LINE

Data: 2



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.23	16.24	9.98	0.09	10.06	36.37	62.35	-25.98	QP	LINE
2	0.23	10.44	9.98	0.09	10.06	30.57	52.35	-21.78	Average	LINE
3	0.36	15.59	9.91	0.09	10.07	35.66	58.78	-23.12	QP	LINE
4	0.36	9.35	9.91	0.09	10.07	29.42	48.78	-19.36	Average	LINE
5	0.68	23.51	9.90	0.10	10.06	43.57	56.00	-12.43	QP	LINE
6	0.68	8.49	9.90	0.10	10.06	28.55	46.00	-17.45	Average	LINE
7	0.97	15.27	9.97	0.11	10.05	35.40	56.00	-20.60	QP	LINE
8	0.97	6.57	9.97	0.11	10.05	26.70	46.00	-19.30	Average	LINE
9	1.26	12.39	10.02	0.12	10.05	32.58	56.00	-23.42	QP	LINE
10	1.26	5.38	10.02	0.12	10.05	25.57	46.00	-20.43	Average	LINE
11	1.39	12.04	10.00	0.13	10.05	32.22	56.00	-23.78	QP	LINE
12	1.39	6.06	10.00	0.13	10.05	26.24	46.00	-19.76	Average	LINE

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz)
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Guangdong Dongdian Testing Service Co., Ltd.

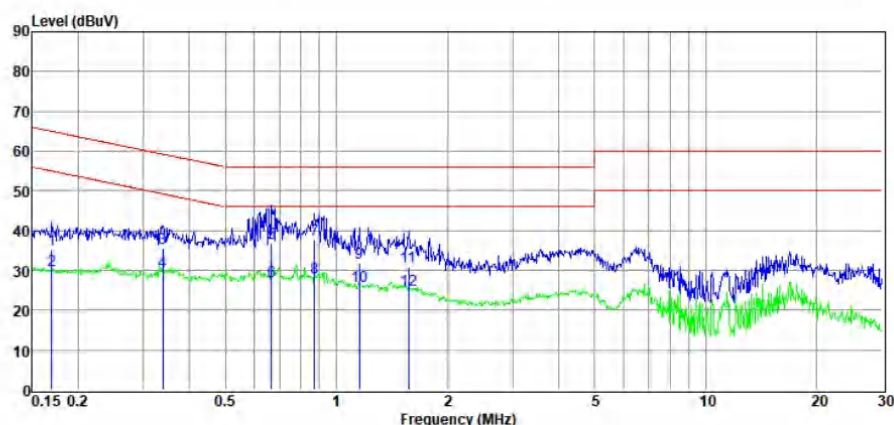
Report No.:«reportNo»

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room
Test Date : 2024-10-21
Sample No. : S24101025-001
Power Supply : Battery / DC 5V*
Condition : Temp:23.9°C,Humi:65.4%
Memo : *Dongle supplied by PC USB port (AC 120V/60Hz for PC input)

D:\2024 report data\Q24101025-2E\1021 RE.EM6
Tested By : Yulia He
Test Mode : Working mode
LISN : 2023 ENV216 2##NEUTRAL

Data: 4



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.17	15.26	9.97	0.09	10.06	35.38	64.99	-29.61	QP	NEUTRAL
2	0.17	9.81	9.97	0.09	10.06	29.93	54.99	-25.06	Average	NEUTRAL
3	0.34	15.52	10.04	0.09	10.07	35.72	59.22	-23.50	QP	NEUTRAL
4	0.34	9.54	10.04	0.09	10.07	29.74	49.22	-19.48	Average	NEUTRAL
5	0.67	16.62	9.94	0.10	10.06	36.72	56.00	-19.28	QP	NEUTRAL
6	0.67	7.22	9.94	0.10	10.06	27.32	46.00	-18.68	Average	NEUTRAL
7	0.87	17.67	9.98	0.11	10.05	37.81	56.00	-18.19	QP	NEUTRAL
8	0.87	8.13	9.98	0.11	10.05	28.27	46.00	-17.73	Average	NEUTRAL
9	1.15	11.58	9.96	0.12	10.05	31.71	56.00	-24.29	QP	NEUTRAL
10	1.15	5.76	9.96	0.12	10.05	25.89	46.00	-20.11	Average	NEUTRAL
11	1.57	10.78	9.97	0.13	10.06	30.94	56.00	-25.06	QP	NEUTRAL
12	1.57	4.75	9.97	0.13	10.06	24.91	46.00	-21.09	Average	NEUTRAL

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz)
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.