Prüfbericht-Nr.: *Test report no.:*	**CN24DM0Z 001**	**Auftrags-Nr.:** *Order no.:*	**170391432**	Seite 1 von **21** *Page 1 of 21*
Kunden-Referenz-Nr.: *Client reference no.:*	**N/A**	**Auftragsdatum:** *Order date:*	2024-10-21	
Auftraggeber: *Client:*	**ONWARD BRANDS LLC** 767 5TH AVE FL 37TH NEW YORK, NY 10153, USA			
Prüfgegenstand: *Test item:*	Incase Wireless Desktop 900 (Mouse)			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	OB1737			
Auftrags-Inhalt: *Order content*:	Test Report			
Prüfgrundlage: *Test specification:*	FCC CFR Title 47, Part 15, Subpart C, Section 15.247 RSS-247 Issue 3 August 2023 RSS-Gen Issue 5 March 2019			
Wareneingangsdatum: *Date of sample receipt:*	2024-10-21	Please refer to Photo Document		
Prüfmuster-Nr.: *Test sample no:*	S24101025-001			
Prüfzeitraum: *Testing period:*	2025-01-13 - 2025-01-17			
Ort der Prüfung: *Place of testing:*	Refer to section 2.1			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Guangdong) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			

geprüft von: *tested by:*	Amy Wang *Signed by: Amy Wang*	**genehmigt von:** *authorized by:*	Storm Shu *Signed by: Storm Shu*
Datum: *Date:* 2025-02-20		**Ausstellungsdatum:** *Issue date:* 2025-02-20	
Stellung */ Position:*	Sachverständige(r)/Expert	**Stellung** */ Position:*	Sachverständige(r)/Expert

Sonstiges */ Other:* FCC ID: 2BCOY-OB1737
IC: 32736-OB1737
HVIN: OB1737

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged*

* 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.
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.
V05

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. *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.* *Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.*
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3	Test clauses with remark of * are subcontracted to qualified subcontractors and descripted 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. *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.*
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. *Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnisen 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.*

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

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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

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	21I8060485	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

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

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 basics 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.

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

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.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a wireless Mouse, 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:	Incase Wireless Desktop 900 (Mouse)
Type Designation:	OB1737
FCC ID:	2BCOY-OB1737
IC:	32736-OB1737
HVIN:	OB1737
Operating Voltage:	DC 1.5V (supplied by “AAA” battery x 1)
Testing Voltage:	DC 1.5V
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:	0.5 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

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
- User Manual
- FCC/IC Label and Location Info

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

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)

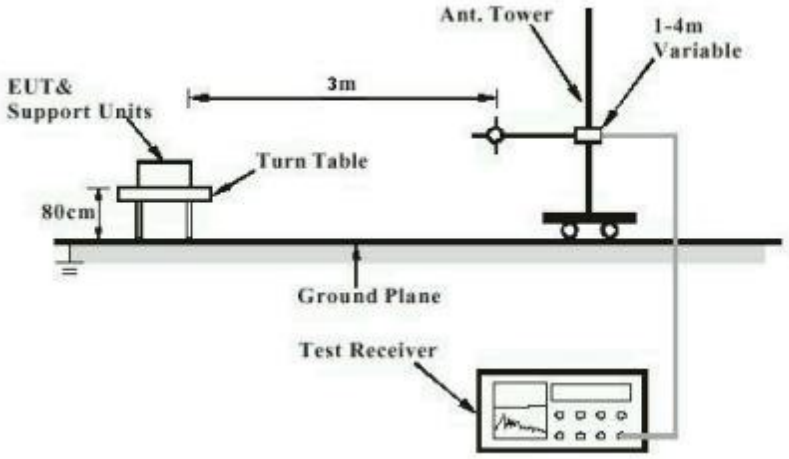


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

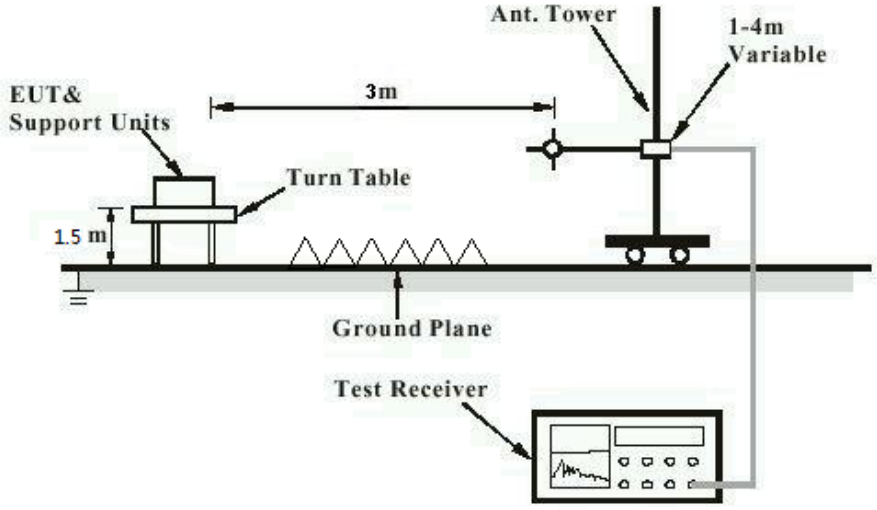
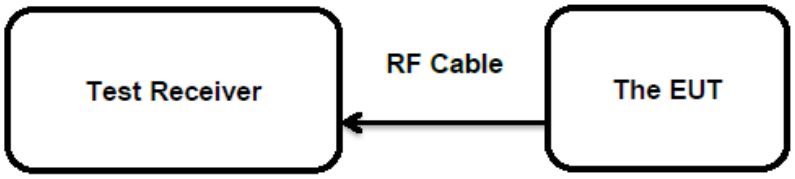


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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 0.5 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.

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	:	2025-01-16
Input voltage	:	DC 1.5 V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	23.6 ℃
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)	
Bluetooth (Low Energy)	1Mbps	2403	1.71	0.0015	< 1.0
		2444	2.05	0.0016	
		2480	2.08	0.0016	
Maximum Measured Value			2.08	0.0016	

Note:
1) The cable loss is taken into account in results.
2) Antenna gain(G): 0.5 dBi,
e.i.r.p.=$P_{(Peak\ power)}$+ G, which is far below the 4 W

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 1.5 V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	23.6 ℃
Relative humidity	:	48.1 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

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 1.5 V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	23.6 ℃
Relative humidity	:	48.1 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

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 1.5 V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	23.6 ℃
Relative humidity	:	48.1 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

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 1.5 V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	23.6 ℃
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.

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	:	2025-01-16
Input voltage	:	DC 1.5 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.

6 Photographs of the Test Set-Up

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

7 List of Tables

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APPENDIX B: TEST RESULTS OF GENERAL 2.4GHZ WIRELESS

APPENDIX B: TEST RESULTS OF GENERAL 2.4GHZ WIRELESS 1

APPENDIX B.1: CONDUCTED POWER SPECTRAL DENSITY 2

TEST GRAPHS 2

APPENDIX B.2: 6DB BANDWIDTH 4

TEST GRAPHS 4

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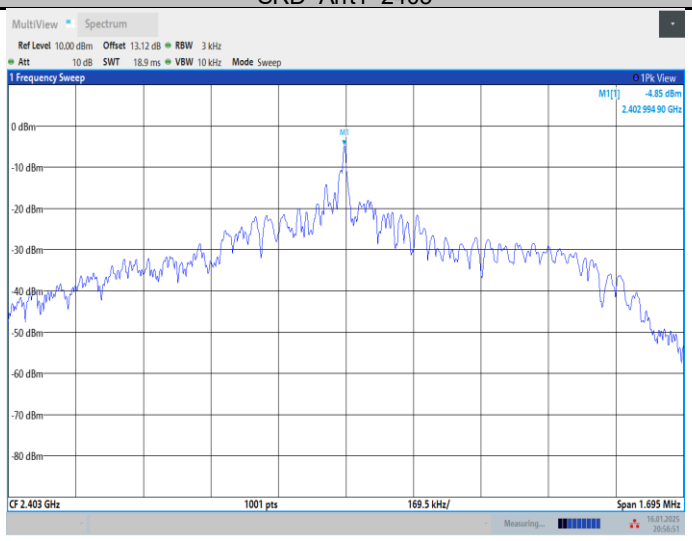
APPENDIX B.1: CONDUCTED POWER SPECTRAL DENSITY

Test Result

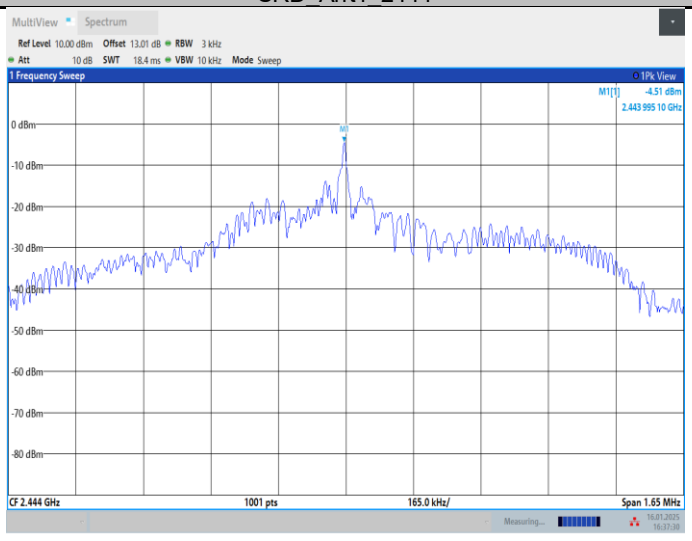
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
SRD	Ant1	2403	-4.85	≤8.00	PASS
		2444	-4.51	≤8.00	PASS
		2480	-4.14	≤8.00	PASS

Test Graphs

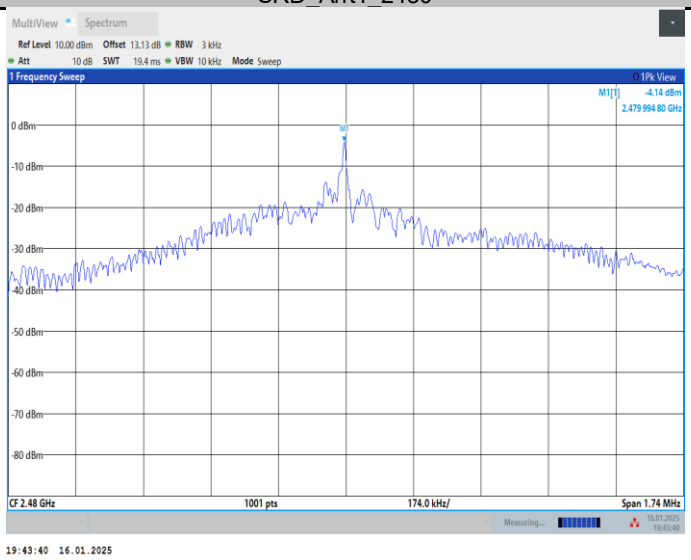
SRD_Ant1_2403



SRD_Ant1_2444



SRD_Ant1_2480



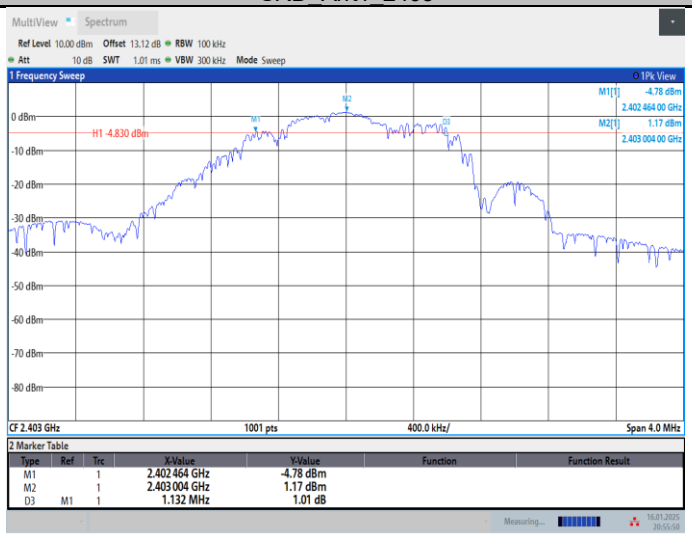
APPENDIX B.2: 6DB BANDWIDTH

Test Result

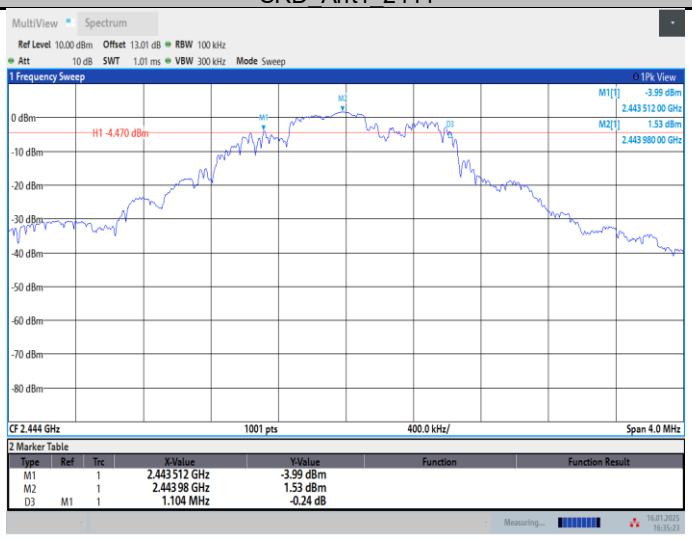
Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
SRD	Ant1	2403	1.13	2402.46	2403.60	0.5	PASS
		2444	1.10	2443.51	2444.62	0.5	PASS
		2480	1.16	2479.46	2480.62	0.5	PASS

Test Graphs

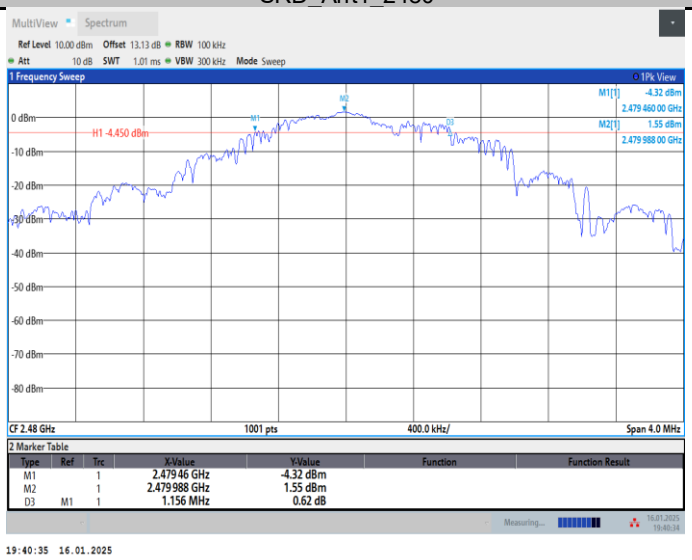
SRD_Ant1_2403



SRD_Ant1_2444



SRD_Ant1_2480



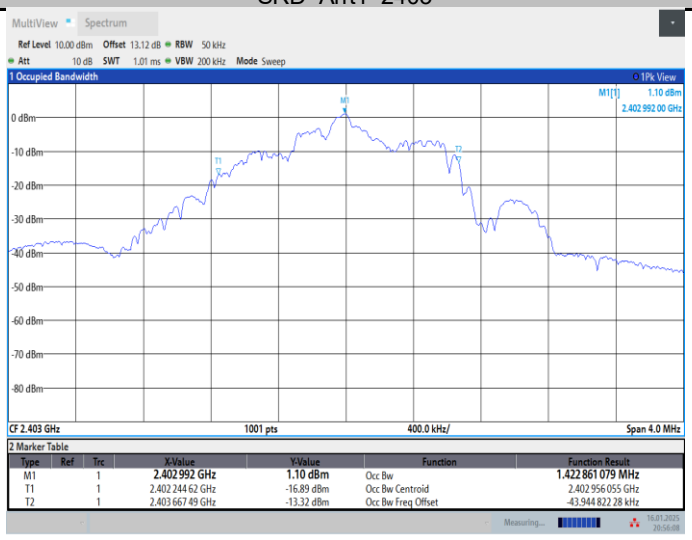
APPENDIX B.3: 99% BANDWIDTH

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
SRD	Ant1	2403	1.423	2402.2446	2403.6675	---	---
		2444	1.485	2443.2147	2444.6998	---	---
		2480	1.915	2479.0775	2480.9929	---	---

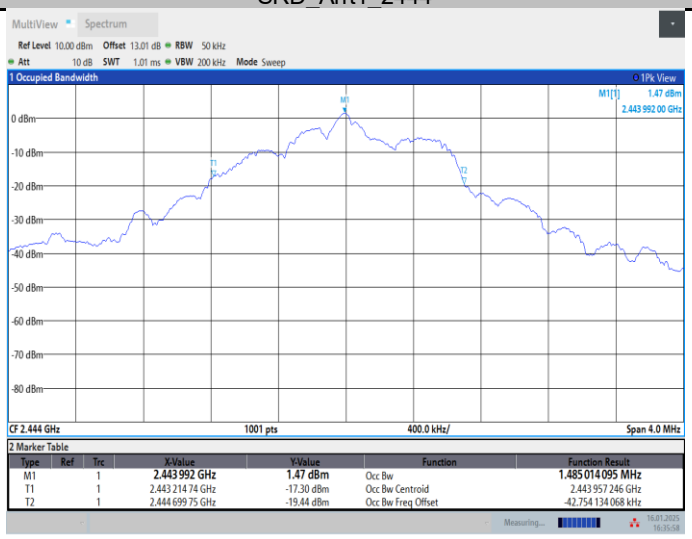
Test Graphs

SRD_Ant1_2403



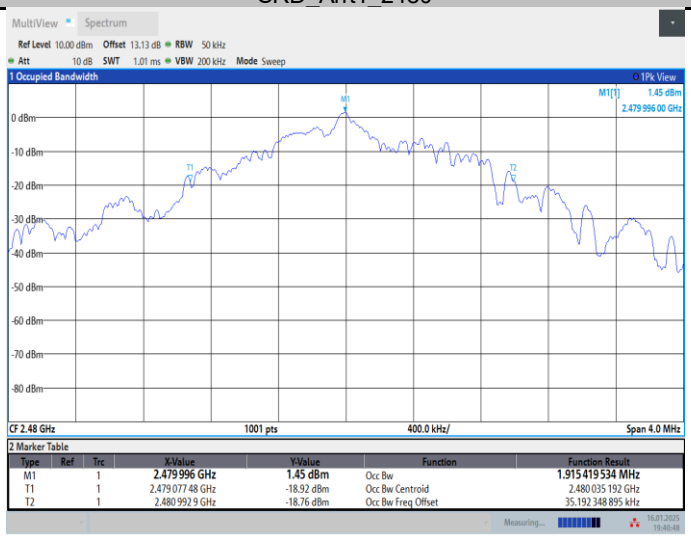
20:56:09 16.01.2025

SRD_Ant1_2444



16:35:59 16.01.2025

SRD_Ant1_2480



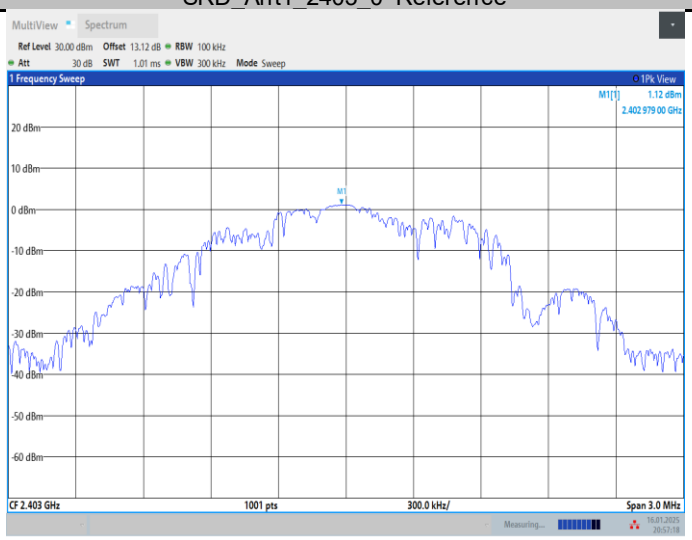
APPENDIX B.4: CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH

Test Result

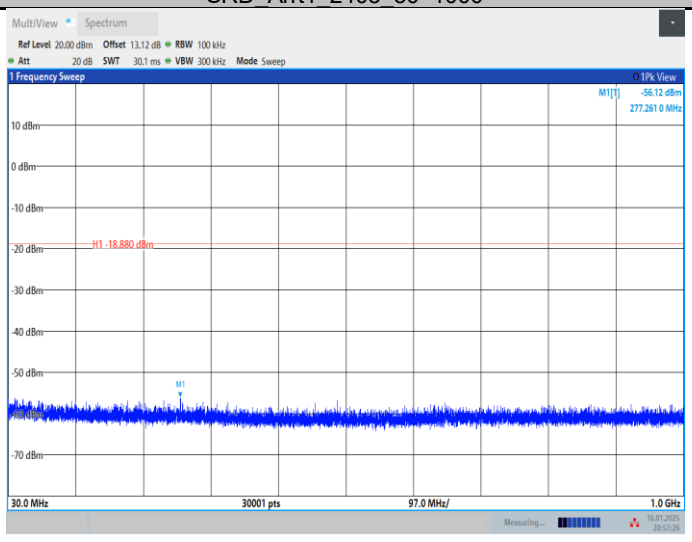
Mode	Freq. (MHz)	Verdict
SRD	2403	Pass
	2444	Pass
	2480	Pass

Test Graphs

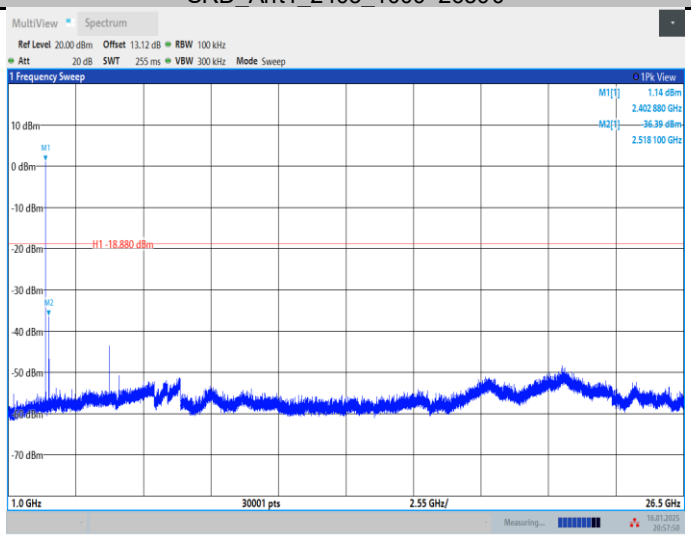
SRD_Ant1_2403_0~Reference



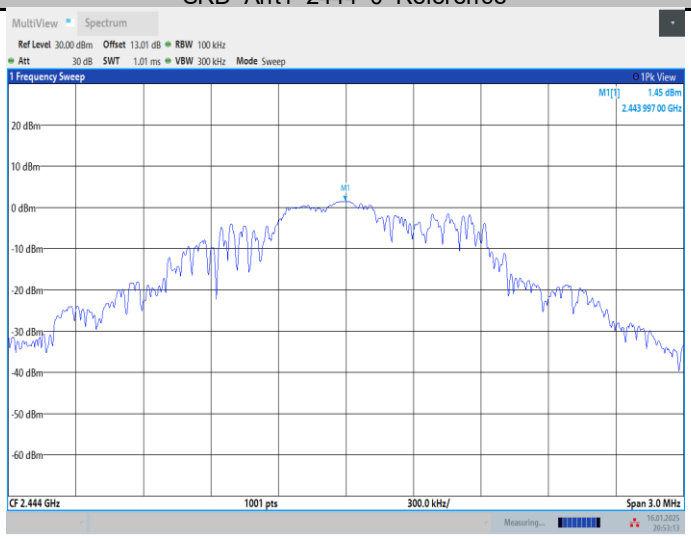
SRD_Ant1_2403_30~1000



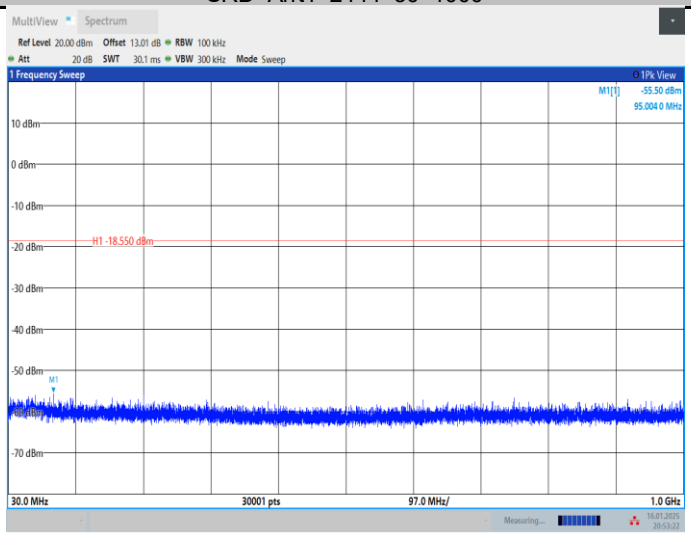
SRD_Ant1_2403_1000~26500

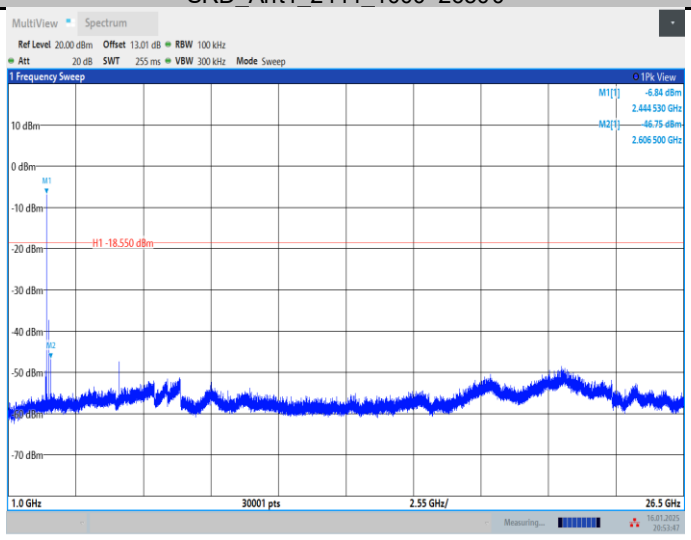
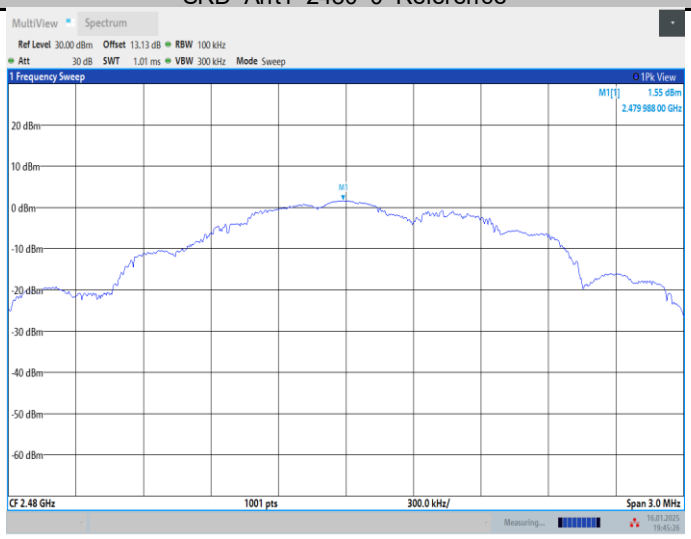
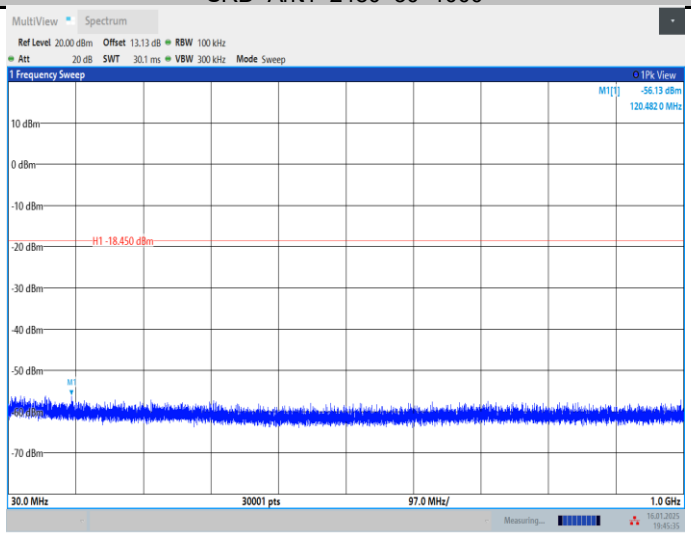


SRD Ant1 2444 0~Reference

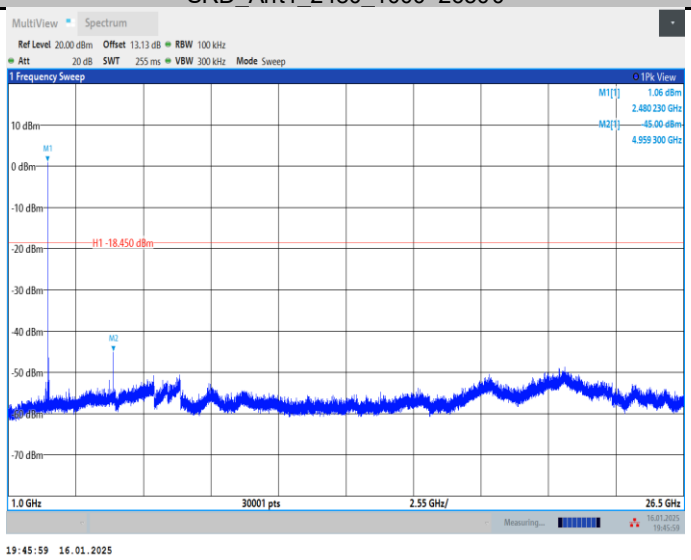


SRD Ant1 2444 30~1000



SRD_Ant1_2444_1000~26500

SRD_Ant1_2480_0~Reference

SRD_Ant1_2480_30~1000


SRD_Ant1_2480_1000~26500



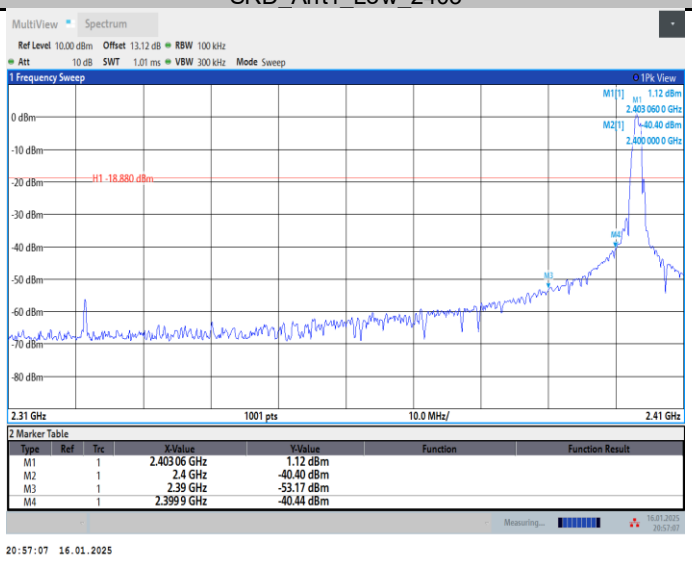
APPENDIX B.5: BAND EDGE COMPLIANCE (CONDUCTED METHOD)

Test Result

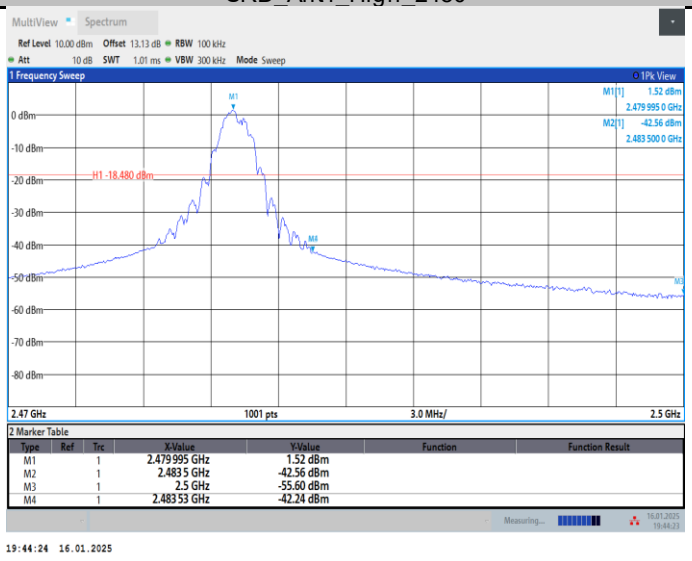
EUT Set Mode	CH or Frequency	Measured Range	Verdict
SRD	2403	2.310 GHz - 2.410 GHz	Pass
	2480	2.470 GHz - 2.500 GHz	Pass

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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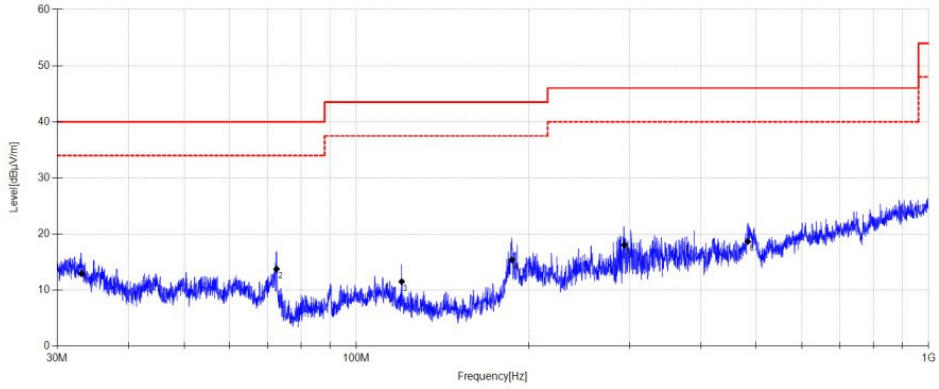
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-17	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2480MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC BELOW1G 报告\20250117-040104_H		
Memo:	Sample Number:S24101025-001 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	33.071	29.31	10.95	3.78	12.94	40.00	27.06	QP	Horizontal
2	72.528	31.44	9.39	4.04	13.77	40.00	26.23	QP	Horizontal
3	119.991	28.31	10.00	4.33	11.52	43.50	31.98	QP	Horizontal
4	187.027	32.11	9.79	4.69	15.40	43.50	28.10	QP	Horizontal
5	293.980	31.46	12.80	5.19	18.06	46.00	27.94	QP	Horizontal
6	483.301	27.71	16.50	5.94	18.66	46.00	27.34	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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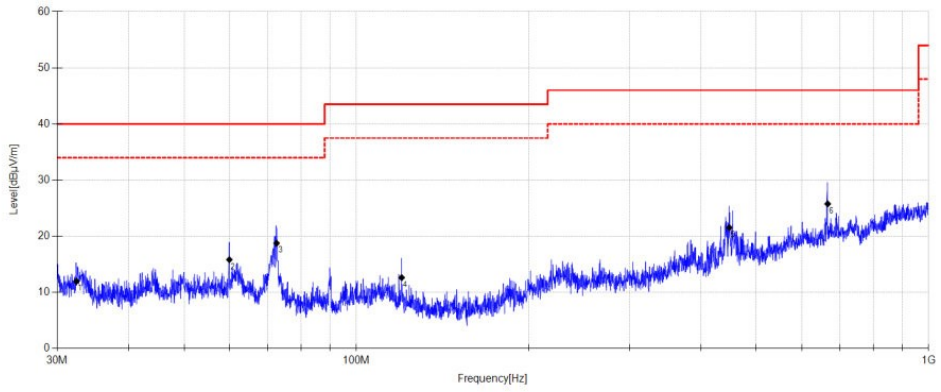
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-17	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2480MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC BELOW1G 报告\20250117-040134_V		
Memo:	Sample Number:S24101025-001 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	32.428	28.86	10.44	3.77	11.97	40.00	28.03	QP	Vertical
2	59.977	30.17	12.79	3.96	15.82	40.00	24.18	QP	Vertical
3	72.528	36.42	9.39	4.04	18.75	40.00	21.25	QP	Vertical
4	119.991	29.41	10.00	4.33	12.62	43.50	30.88	QP	Vertical
5	448.368	31.41	15.80	5.80	21.54	46.00	24.46	QP	Vertical
6	666.325	31.23	19.45	6.58	25.76	46.00	20.24	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.

Template path: 3#RE\D:\DDT Word format

1GHz-18GHz

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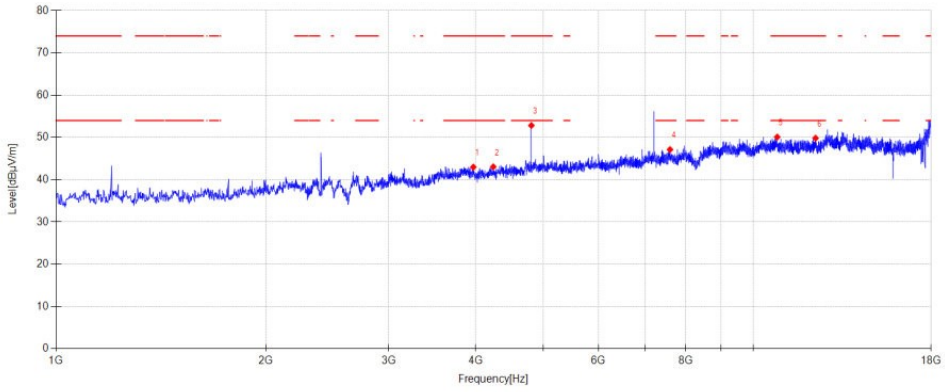
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-16	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2403MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G 鼠标\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	3968.200	46.56	31.03	5.06	-39.67	42.98	74.00	31.02	PK	Horizontal
2	4238.500	46.17	31.35	5.19	-39.66	43.05	74.00	30.95	PK	Horizontal
3	4806.300	54.27	32.66	5.53	-39.62	52.84	74.00	21.16	PK	Horizontal
4	7597.700	44.33	36.50	6.76	-40.46	47.13	74.00	26.87	PK	Horizontal
5	10826.000	41.78	39.37	8.04	-39.10	50.09	74.00	23.91	PK	Horizontal
6	12288.000	41.56	39.30	8.91	-39.94	49.83	74.00	24.17	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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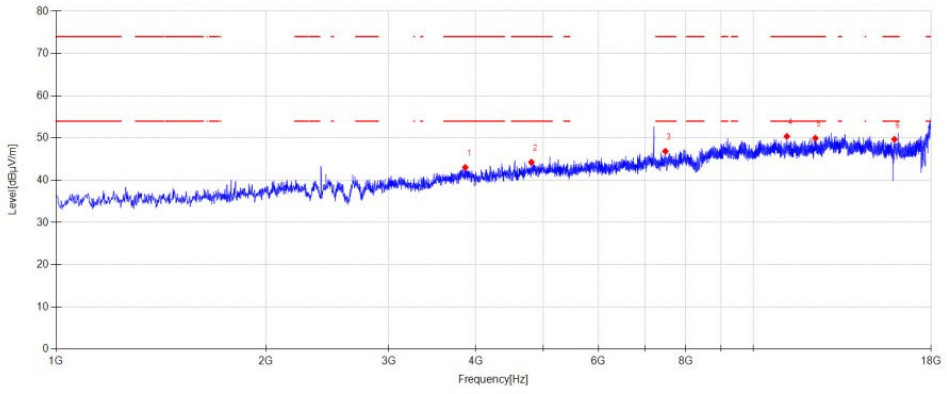
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-16	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2403MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G 鼠标\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	3864.500	46.63	30.99	5.07	-39.65	43.04	74.00	30.96	PK	Vertical
2	4806.300	45.70	32.66	5.53	-39.62	44.27	74.00	29.73	PK	Vertical
3	7482.100	44.19	36.54	6.70	-40.57	46.86	74.00	27.14	PK	Vertical
4	11176.200	42.12	39.22	8.24	-39.18	50.40	74.00	23.60	PK	Vertical
5	12279.500	41.70	39.30	8.90	-39.94	49.96	74.00	24.04	PK	Vertical
6	15943.000	40.92	38.06	10.11	-39.40	49.69	74.00	24.31	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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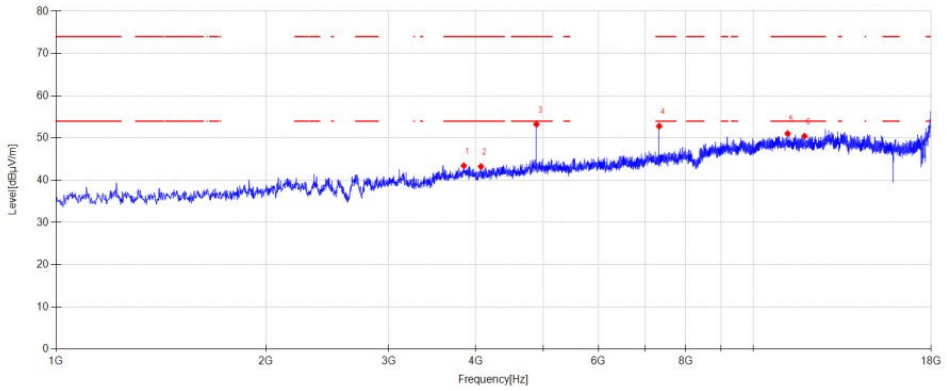
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-16	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2444MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G 鼠标\13		
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	3845.800	47.11	30.88	5.08	-39.64	43.43	74.00	30.57	PK	Horizontal
2	4070.200	46.80	31.04	5.09	-39.67	43.26	74.00	30.74	PK	Horizontal
3	4887.900	54.08	33.19	5.58	-39.61	53.24	74.00	20.76	PK	Horizontal
4	7332.500	50.06	36.84	6.62	-40.70	52.82	74.00	21.18	PK	Horizontal
5	11205.100	42.81	39.20	8.26	-39.21	51.06	74.00	22.94	PK	Horizontal
6	11847.700	42.74	38.90	8.66	-39.85	50.45	74.00	23.55	PK	Horizontal

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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
6	4887.900	\	\	\	\	21.20	54.00	32.80	AV	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.
4.AVG Level=Peak level+20log（D）, D= Duty Cycle = 2.50%

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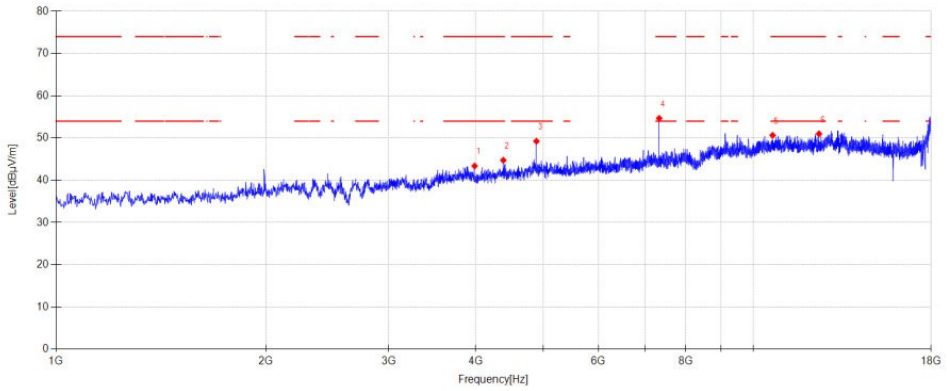
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-16	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2444MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G 鼠标\14		
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	3985.200	47.05	30.96	5.05	-39.68	43.38	74.00	30.62	PK	Vertical
2	4381.300	47.46	31.66	5.28	-39.65	44.75	74.00	29.25	PK	Vertical
3	4887.900	50.08	33.19	5.58	-39.61	49.24	74.00	24.76	PK	Vertical
4	7332.500	51.92	36.84	6.62	-40.70	54.68	74.00	19.32	PK	Vertical
5	10664.500	42.56	39.33	7.96	-39.20	50.65	74.00	23.35	PK	Vertical
6	12429.100	42.60	39.33	8.98	-39.91	51.00	74.00	23.00	PK	Vertical

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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
6	7332.500	\	\	\	\	22.6	54.00	31.36	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.
4.AVG Level=Peak level+20log（D）, D= Duty Cycle = 2.50%

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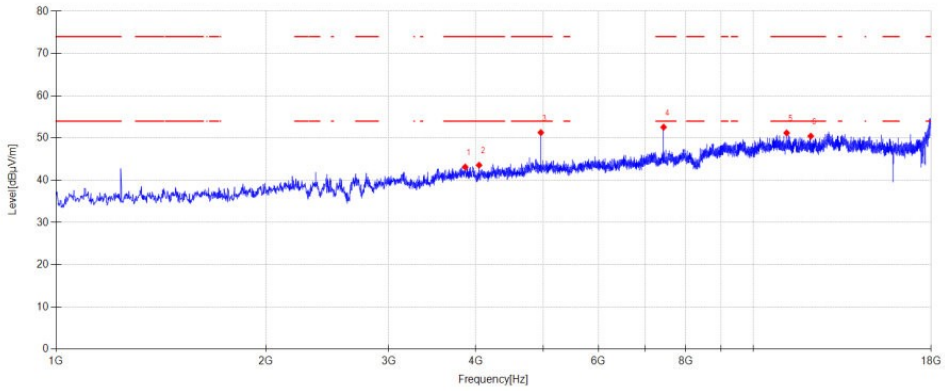
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-16	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2480MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G 鼠标\17		
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	3862.800	46.74	30.98	5.07	-39.65	43.14	74.00	30.86	PK	Horizontal
2	4044.700	47.18	30.99	5.08	-39.68	43.57	74.00	30.43	PK	Horizontal
3	4959.300	52.15	33.12	5.63	-39.60	51.30	74.00	22.70	PK	Horizontal
4	7439.600	49.88	36.62	6.67	-40.60	52.57	74.00	21.43	PK	Horizontal
5	11169.400	42.91	39.23	8.24	-39.17	51.21	74.00	22.79	PK	Horizontal
6	12094.200	42.34	39.29	8.81	-39.98	50.46	74.00	23.54	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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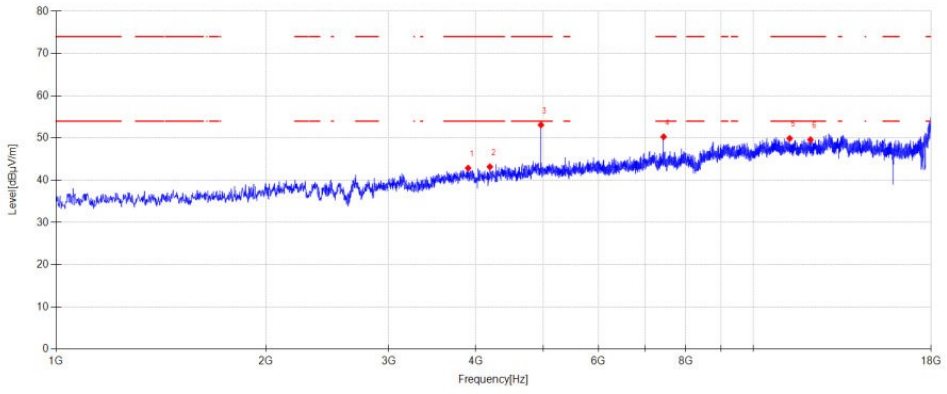
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-16	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2480MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G 鼠标\18		
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	3900.200	46.27	31.20	5.07	-39.66	42.88	74.00	31.12	PK	Vertical
2	4190.900	46.49	31.20	5.16	-39.66	43.19	74.00	30.81	PK	Vertical
3	4961.000	53.96	33.12	5.63	-39.60	53.11	74.00	20.89	PK	Vertical
4	7439.600	47.61	36.62	6.67	-40.60	50.30	74.00	23.70	PK	Vertical
5	11281.600	41.68	39.20	8.31	-39.28	49.91	74.00	24.09	PK	Vertical
6	12080.600	41.52	39.28	8.80	-39.98	49.62	74.00	24.38	PK	Vertical

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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
6	4961.000	\	\	\	\	20.75	54.00	33.25	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.
4.AVG Level=Peak level+20log（D）, D= Duty Cycle = 2.41%

APPENDIX B.7: RADIATED EMISSIONS IN RESTRICTED BANDS

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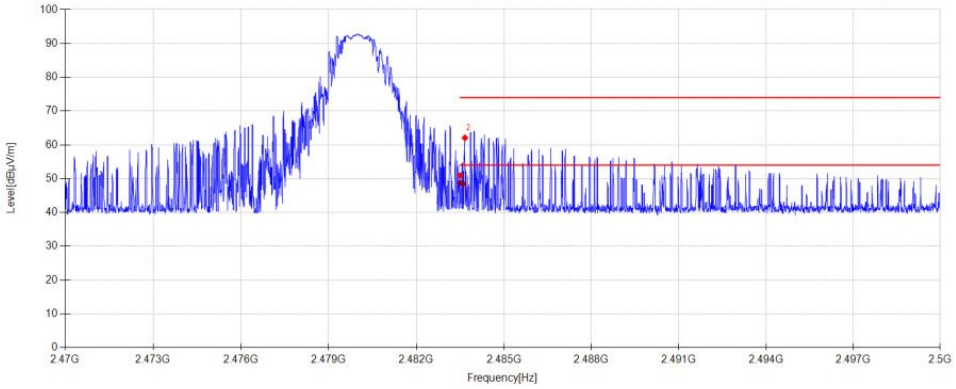
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-16	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2480MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G 鼠标\19		
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	19.79	27.53	3.62	0.00	50.94	74.00	23.06	PK	Horizontal
2	2483.665	30.93	27.53	3.62	0.00	62.08	74.00	11.92	PK	Horizontal

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	2483.500	17.61	27.53	3.62	48.76	54.00	5.24	AV	Horizontal
2	2483.602	17.34	27.53	3.62	48.49	54.00	5.51	AV	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.

Template path: 3#RE\D:\DDT Word format

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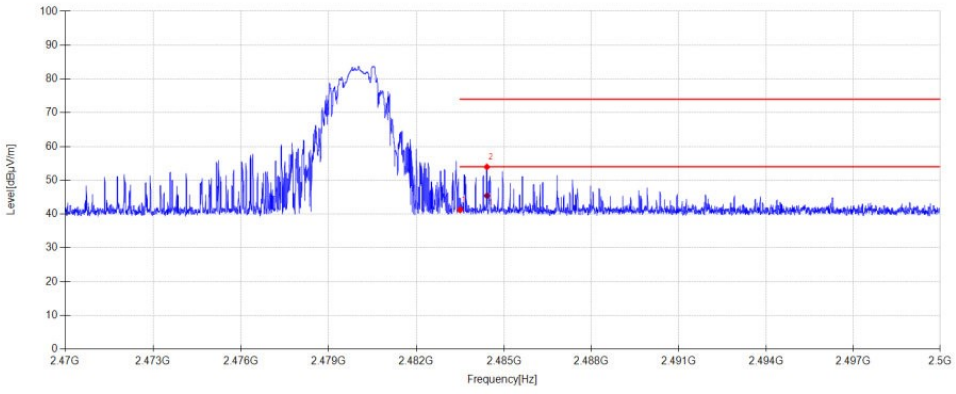
Tel:0769-38826678 http://www.dgddt.com

TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-16	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2480MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G 鼠标\20		
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	10.11	27.53	3.62	0.00	41.26	74.00	32.74	PK	Vertical
2	2484.418	22.78	27.54	3.62	0.00	53.94	74.00	20.06	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	2484.418	14.26	27.54	3.62	45.42	54.00	8.58	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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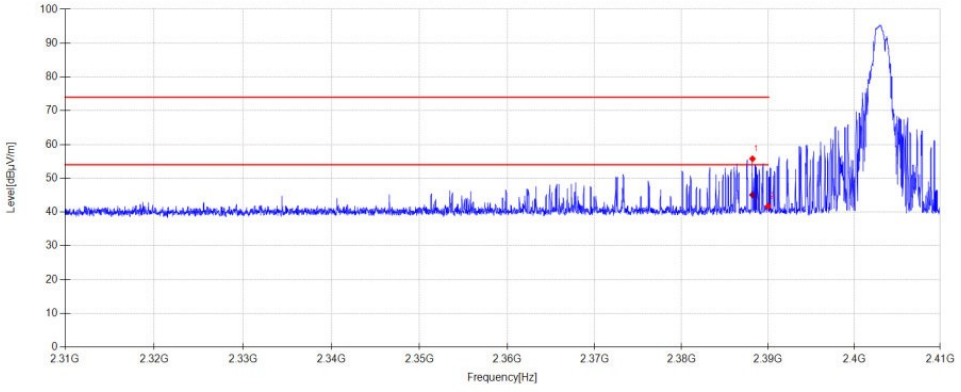
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-16	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2403MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G 鼠标\11		
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	2388.200	24.94	27.25	3.57	0.00	55.76	74.00	18.24	PK	Horizontal
2	2390.000	10.93	27.26	3.57	0.00	41.76	74.00	32.24	PK	Horizontal

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	2388.200	14.26	27.25	3.57	45.08	54.00	8.92	AV	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.

Template path: 3#RE\D:\DDT Word format

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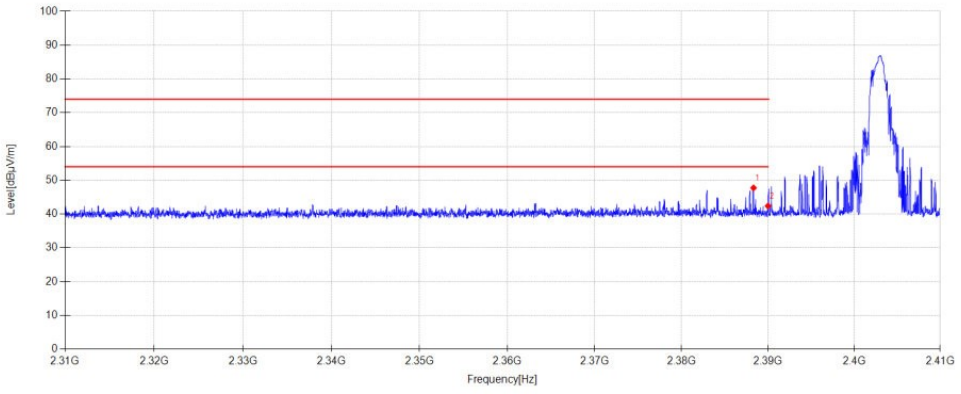
TR-4-E-009 Radiated Emission Test Result

Test Date:	2025-01-16	**Tested By**:	Zhong Nan
EUT:	Incase Wireless Desktop 900(Mouse)	**Model Number**:	OB1737
Test Mode:	SRD 2403MHz TX mode	**Power Supply**:	BATTERY
Condition:	Temp:23.5°C,Humi:65.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24101025-1E\FCC ABOVE1G 鼠标\12		
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	2388.320	16.92	27.25	3.57	0.00	47.74	74.00	26.26	PK	Vertical
2	2390.000	11.57	27.26	3.57	0.00	42.40	74.00	31.60	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.