



FCC REPORT

Applicant	:	DMS Solutions Ltd.
Address of Applicant	:	3F, Jinjie Industrial Park, No.13 Longjiang Road, Wanji Industrial Zone, Longhu District, Shantou City, Guangdong Province, China
Manufacturer	:	DMS Solutions Ltd.
Address of Manufacturer	:	3F, Jinjie Industrial Park, No.13 Longjiang Road, Wanji Industrial Zone, Longhu District, Shantou City, Guangdong Province, China
Equipment under Test	:	2.4G Radio set
Model No.	:	G0116
FCC ID	:	2BTRE-G0116
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C Section 15.247, ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024
Report No.	:	A2509124-C05-R01
Issue Date	:	2025/10/20
Issued By	:	Shenzhen Alpha Product Testing Co., Ltd. Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen City, Guangdong Province, P.R. China.

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Test Report Declare

Applicant	:	DMS Solutions Ltd.
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Manufacturer	:	DMS Solutions Ltd.
Address of Manufacturer	:	3F, Jinjie Industrial Park, No.13 Longjiang Road, Wanji Industrial Zone, Longhu District, Shantou City, Guangdong Province, China
Equipment under Test	:	2.4G Radio set
Model No.	:	G0116
Trademark	:	/

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247, ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024

We Declare:

The equipment described above is tested by Shenzhen Alpha Product Testing Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	A2509124-C05-R01		
Date of Receipt:	2025/09/15	Date of Test:	2025/09/15 - 2025/10/20

Prepared By:

Yannis Wen/Engineer**Approved By:**

Jack Xu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
V0	Initial issue	2025/10/20	Yannis Wen

1. Summary of Test Results

No.	Test Parameter	Clause No.	Result
1	Maximum Peak Output Power	FCC Part 15: 15.247(b)(1), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	Pass
2	99% Bandwidth&20 dB Bandwidth	FCC Part 15: 15.215, ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	Pass
3	Carrier Frequency Separation	FCC Part 15: 15.247(a)(1), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	Pass
4	Number of Hopping Channel	FCC Part 15: 15.247(a)(1), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	Pass
5	Dwell Time	FCC Part 15: 15.247(a)(1), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	Pass
6	RF Conducted Spurious Emissions	FCC Part 15: 15.247(d), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	Pass
7	Radiated Emission	FCC Part 15: 15.209, FCC Part 15: 15.247(d), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	Pass
8	Band Edge(Conducted)	FCC Part 15: 15.247(d), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	Pass
9	Power Line Conducted Emissions	FCC Part 15: 15.207, ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	Pass
10	Band Edge(Radiated)	FCC Part 15: 15.247(d), ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024	Pass
11	Antenna Requirement	FCC Part 15: 15.203	Pass

Note: 1.N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.

2. Decision rules for the conclusion of this test report: decision by actual test data without considering measurement uncertainty.

Software Information			
Test Item	Software Name	Manufacturer	Version
RE	EZ-EMC	Farad	Alpha-3A1
RF-CE	MTS 8310	MWRfTest	V2.0.0.0

2. General Test Information

2.1. Description of EUT

EUT Name	:	2.4G Radio set
Model Number	:	G0116
Difference of model number	:	/
Power Supply	:	DC 6V from battery for remote DC 6V from DC power for receiver
Hardware Version	:	/
Software Version	:	/

Radio Specification	:	2.4G Technology
Operation Frequency	:	2407 MHz to 2478 MHz
Modulation	:	GFSK
Antenna Type	:	Copper Tube Antenna
Max Antenna Gain(dBi)	:	2.82dBi(Antenna information is provided by applicant.)

Channel information					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2407	22	2429	44	2455
1	2408	23	2430	45	2456
2	2409	24	2431	46	2457
3	2410	25	2432	47	2458
4	2411	26	2433	48	2463
5	2412	27	2434	49	2464
6	2413	28	2435	50	2465
7	2414	29	2436	51	2466
8	2415	30	2437	52	2467
9	2416	31	2438	53	2468
10	2417	32	2443	54	2469
11	2418	33	2444	55	2470
12	2419	34	2445	56	2471
13	2420	35	2446	57	2472
14	2421	36	2447	58	2473
15	2422	37	2448	59	2474
16	2423	38	2449	60	2475
17	2424	39	2450	61	2476
18	2425	40	2451	62	2477
19	2426	41	2452	63	2478
20	2427	42	2453		

21	2428	43	2454		
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Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

“☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
/	/	/	/

2.3. Block diagram of EUT configuration for test



2.4. Test mode description

The special RF test software was used to control EUT work in Continuous 2.4G Technology TX mode, and select test channel, wireless mode

Mode No.	Mode	Channel	Frequency(MHz)
Mode 1	GFSK hopping off mode	Low :CH0	2407
Mode 2		Middle: CH32	2443
Mode 3		High: CH63	2478
Mode 4	GFSK hopping on mode	CH0 to CH63	2407-2478

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Items	Required
Temperature range:	15-35°C
Humidity range:	25-75%
Pressure range:	86-106kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Shenzhen Alpha Product Testing Co., Ltd.

Add.: Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen City, Guangdong Province, P.R. China.

Tel.: 4008-3008-95, Website: <http://www.a-lab.cn>, Email: service@a-lab.cn

CNAS Accreditation No. L7472; A2LA Accreditation Number: 4762.01

FCC Designation Number: CN1182, Test Firm Registration Number: 203110

Innovation, Science and Economic Development Canada Site Registration Number: 12135A

CAB identifier: CN0085

2.8. Measurement uncertainty

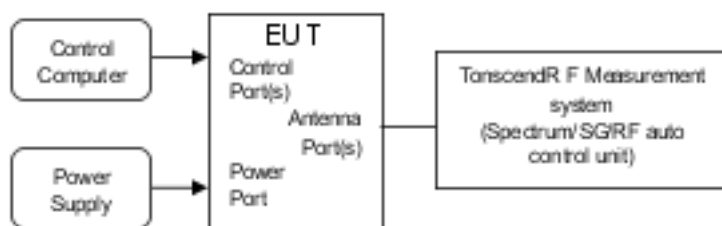
Item	Uncertainty
Uncertainty for Power point Conducted Emissions Test	1.63dB
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	3.5dB
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.74dB(Polarize: V)
	3.76dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	3.77dB(Polarize: V)
	3.80dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber (18GHz to 40GHz)	4.31 dB(Polarize: V)
	4.30 dB(Polarize: H)
Uncertainty for radio frequency	5.06×10^{-8} GHz
Uncertainty for conducted RF Power	0.40dB
Uncertainty for temperature	0.2°C
Uncertainty for humidity	1%
Uncertainty for DC and low frequency voltages	0.06%

3. Maximum Peak Output Power

3.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
CMW500	ROHDE&SCH WARZ	CMW500	Aa-EE073	2025/08/04	2026/08/03
Spectrum analyzer	ROHDE&SCH WARZ	FSV40-N	Aa-EE081	2025/08/04	2026/08/03
Signal Analyzer	Agilent	N9020A	Aa-EE039	2025/08/04	2026/08/03
Power Sensor	Agilent	E9300A	Aa-EE046	2025/08/04	2026/08/03
Vector Signal Generator	Agilent	N5182A	Aa-EE040	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE071	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE070	2025/08/04	2026/08/03
Power meter	Agilent	E4419B	Aa-EE045	2025/08/04	2026/08/03

3.2. Block diagram of test setup



3.3. Limits

Please refer section 15.247

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts, the e.i.r.p shall not exceed 4W

3.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

3.5. Test procedure

The transmitter output is connected to the RF Power Meter. The RF Power Meter is set to the peak power detection.

3.6. Test result

Test Site: RF Laboratory	Test Date: 2025/10/09--2025/10/10
Condition: 24.1°C,56%RH,101kPa	Test Engineer: Yannis Wen
Memo: Only show the test data of the worst case.	

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping off Tx mode
Power supply: DC 6V from battery	Memo: Please refer to Maximum Conducted Output Power of Annex.

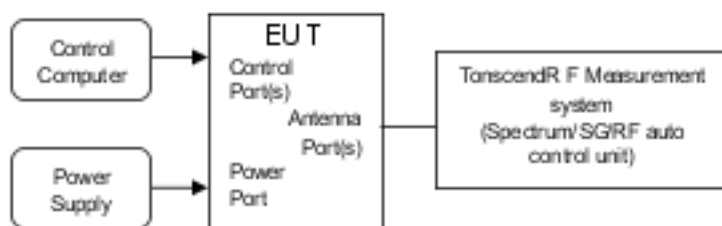
/

4. 99% Bandwidth&20 dB Bandwidth

4.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
CMW500	ROHDE&SCH WARZ	CMW500	Aa-EE073	2025/08/04	2026/08/03
Spectrum analyzer	ROHDE&SCH WARZ	FSV40-N	Aa-EE081	2025/08/04	2026/08/03
Signal Analyzer	Agilent	N9020A	Aa-EE039	2025/08/04	2026/08/03
Power Sensor	Agilent	E9300A	Aa-EE046	2025/08/04	2026/08/03
Vector Signal Generator	Agilent	N5182A	Aa-EE040	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE071	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE070	2025/08/04	2026/08/03
Power meter	Agilent	E4419B	Aa-EE045	2025/08/04	2026/08/03

4.2. Block diagram of test setup



4.3. Limits

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in FCC Section 15.247(a)(1), must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

4.5. Test procedure

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

4.6. Test result

Test Site: RF Laboratory	Test Date: 2025/10/09--2025/10/10
Condition: 24.1°C,56%RH,101kPa	Test Engineer: Yannis Wen

Memo: Only show the test data of the worst case.
--

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping off Tx mode
Power supply: DC 6V from battery	Memo: Please refer to -20dB Bandwidth&Occupied Channel Bandwidth of Annex.

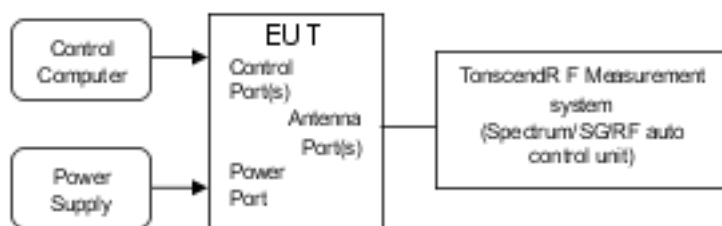
/

5. Carrier Frequency Separation

5.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
CMW500	ROHDE&SCH WARZ	CMW500	Aa-EE073	2025/08/04	2026/08/03
Spectrum analyzer	ROHDE&SCH WARZ	FSV40-N	Aa-EE081	2025/08/04	2026/08/03
Signal Analyzer	Agilent	N9020A	Aa-EE039	2025/08/04	2026/08/03
Power Sensor	Agilent	E9300A	Aa-EE046	2025/08/04	2026/08/03
Vector Signal Generator	Agilent	N5182A	Aa-EE040	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE071	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE070	2025/08/04	2026/08/03
Power meter	Agilent	E4419B	Aa-EE045	2025/08/04	2026/08/03

5.2. Block diagram of test setup



5.3. Limits

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

5.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

5.5. Test procedure

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The carrier frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW.

5.6. Test result

Test Site: RF Laboratory	Test Date: 2025/10/09--2025/10/10
Condition: 24.1°C,56%RH,101kPa	Test Engineer: Yannis Wen
Memo: Only show the test data of the worst case.	

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping on Tx mode
Power supply: DC 6V from battery	Memo: Please refer to Carrier Frequencies Separation of Annex.

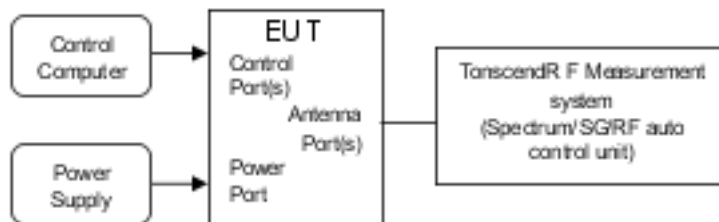
/

6. Number of Hopping Channel

6.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
CMW500	ROHDE&SCH WARZ	CMW500	Aa-EE073	2025/08/04	2026/08/03
Spectrum analyzer	ROHDE&SCH WARZ	FSV40-N	Aa-EE081	2025/08/04	2026/08/03
Signal Analyzer	Agilent	N9020A	Aa-EE039	2025/08/04	2026/08/03
Power Sensor	Agilent	E9300A	Aa-EE046	2025/08/04	2026/08/03
Vector Signal Generator	Agilent	N5182A	Aa-EE040	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE071	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE070	2025/08/04	2026/08/03
Power meter	Agilent	E4419B	Aa-EE045	2025/08/04	2026/08/03

6.2. Block diagram of test setup



6.3. Limits

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels

6.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

6.5. Test procedure

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The number of hopping channel was measured by spectrum analyzer with 100kHz RBW and 300KHz VBW.

6.6. Test result

Test Site: RF Laboratory	Test Date: 2025/10/09--2025/10/10
Condition: 24.1°C,56%RH,101kPa	Test Engineer: Yannis Wen
Memo: Only show the test data of the worst case.	

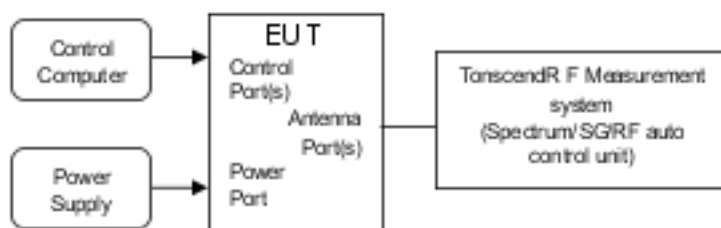
EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping on Tx mode
Power supply: DC 6V from battery	Memo: Please refer to Number of Hopping Channel of Annex.

7. Dwell Time

7.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
CMW500	ROHDE&SCH WARZ	CMW500	Aa-EE073	2025/08/04	2026/08/03
Spectrum analyzer	ROHDE&SCH WARZ	FSV40-N	Aa-EE081	2025/08/04	2026/08/03
Signal Analyzer	Agilent	N9020A	Aa-EE039	2025/08/04	2026/08/03
Power Sensor	Agilent	E9300A	Aa-EE046	2025/08/04	2026/08/03
Vector Signal Generator	Agilent	N5182A	Aa-EE040	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE071	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE070	2025/08/04	2026/08/03
Power meter	Agilent	E4419B	Aa-EE045	2025/08/04	2026/08/03

7.2. Block diagram of test setup



7.3. Limits

Please refer section 15.247

According to §15.247(a)(1)(iii), Frequency hopping systems operating in the 2400MHz-2483.5 MHz. The average time of occupancy on any frequency shall not greater than 0.4 s within period of 0.4 seconds multiplied by the number of hopping channel employed.

7.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

7.5. Test procedure

Place the EUT on the table and set it in transmitting mode.

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Set center frequency of spectrum analyzer = operating frequency.

Set the spectrum analyzer as RBW=1MHz, VBW=1MHz, Span = 0Hz, Sweep = auto.

Repeat above procedures until all frequency measured were complete.

7.6. Test result

Test Site: RF Laboratory	Test Date: 2025/10/09--2025/10/10
Condition: 24.1°C,56%RH,101kPa	Test Engineer: Yannis Wen
Memo: Only show the test data of the worst case.	

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping off Tx mode
Power supply: DC 6V from battery	Memo: Please refer to Dwell Time of Annex.

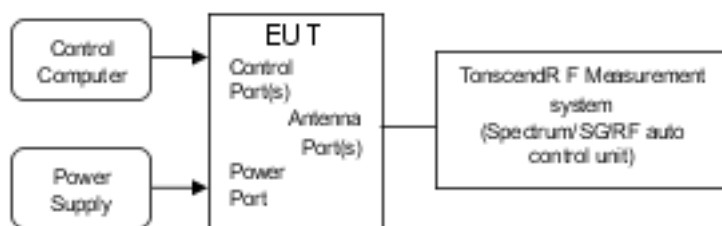
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8. RF Conducted Spurious Emissions

8.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
CMW500	ROHDE&SCH WARZ	CMW500	Aa-EE073	2025/08/04	2026/08/03
Spectrum analyzer	ROHDE&SCH WARZ	FSV40-N	Aa-EE081	2025/08/04	2026/08/03
Signal Analyzer	Agilent	N9020A	Aa-EE039	2025/08/04	2026/08/03
Power Sensor	Agilent	E9300A	Aa-EE046	2025/08/04	2026/08/03
Vector Signal Generator	Agilent	N5182A	Aa-EE040	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE071	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE070	2025/08/04	2026/08/03
Power meter	Agilent	E4419B	Aa-EE045	2025/08/04	2026/08/03

8.2. Block diagram of test setup



8.3. Limits

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 20dB.

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)).

8.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

8.5. Test procedure

Place the EUT on the table and set it in transmitting mode.

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Set frequency of spectrum analyzer = 30MHz-26.5GHz.

Set the spectrum analyzer as RBW=100kHz, VBW $\geq$ 3*RBW =300kHz, Sweep = auto.
The spectrum analyzer is set to the peak detection

8.6. Test result

Test Site: RF Laboratory	Test Date: 2025/10/09--2025/10/10
Condition: 24.1°C,56%RH,101kPa	Test Engineer: Yannis Wen
Memo: Only show the test data of the worst case.	

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping off Tx mode
Power supply: DC 6V from battery	Memo: Please refer to Conducted RF Spurious Emission of Annex.

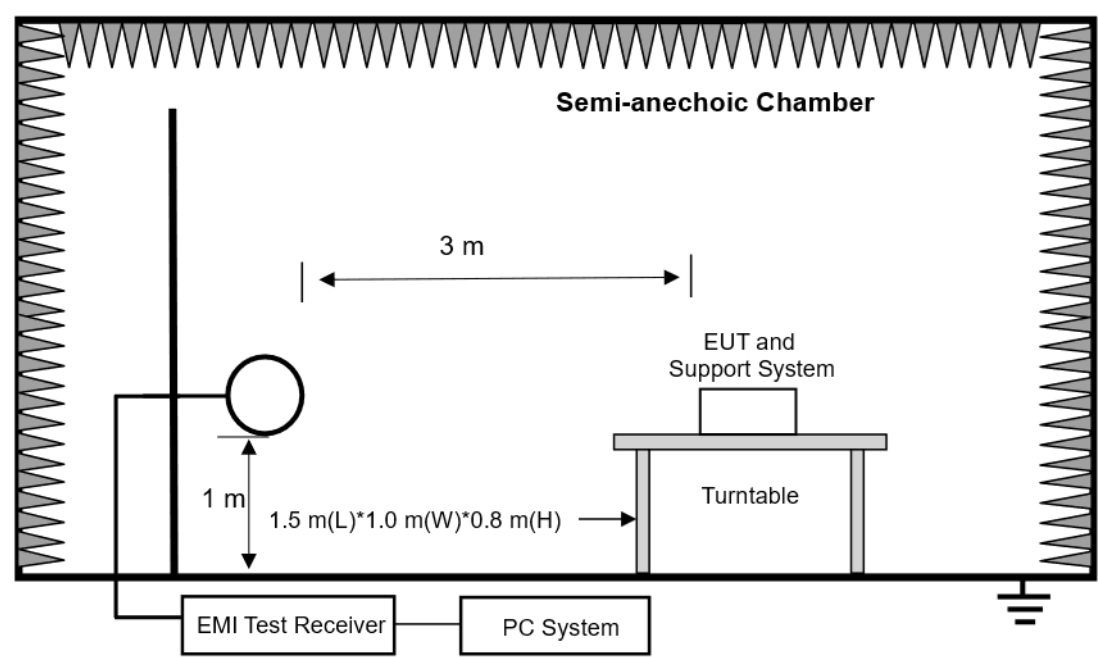
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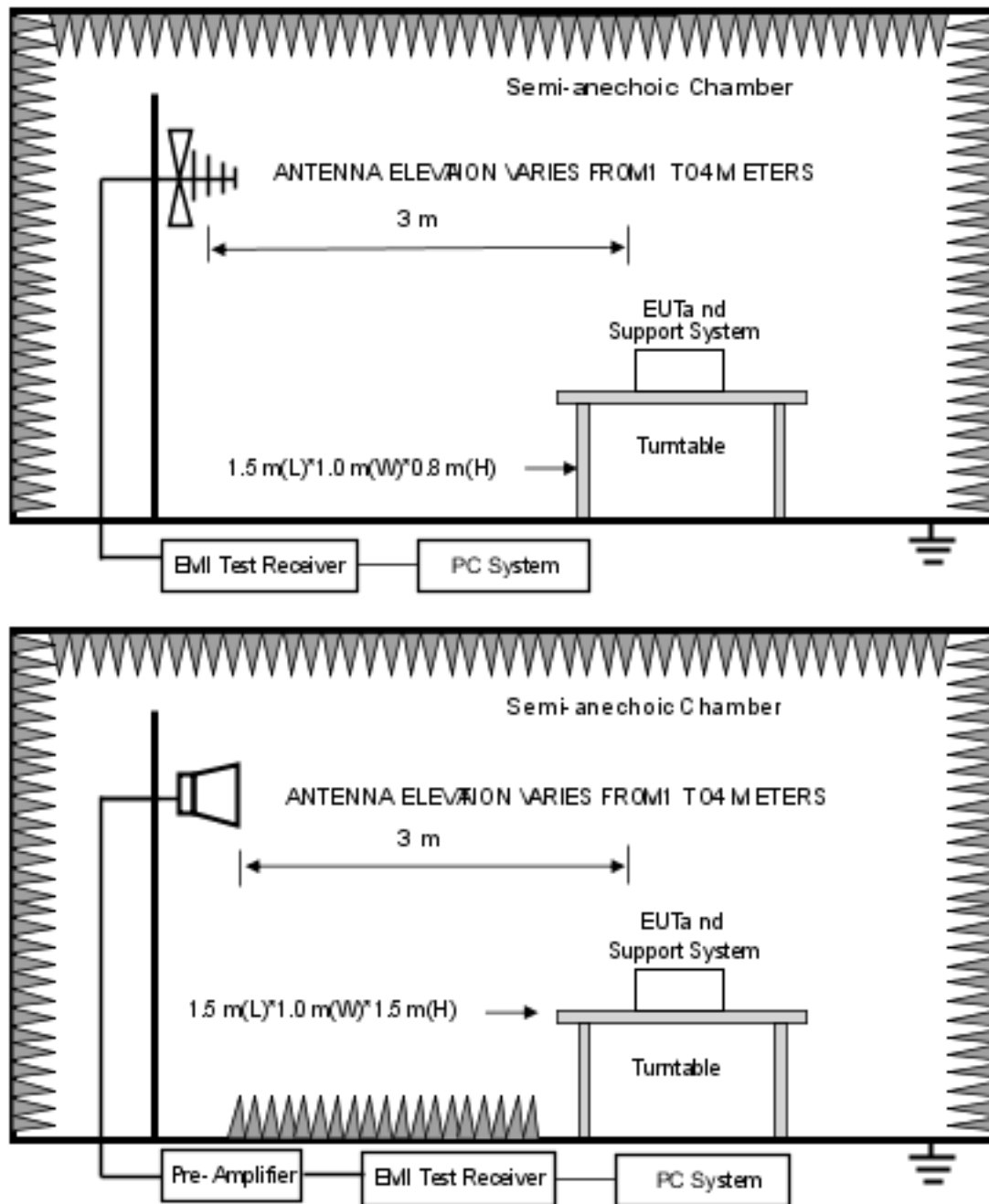
9. Radiated Emission

9.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
Spectrum analyzer	ROHDE&SCHWARZ	FSU	Aa-EE075	2025/08/04	2026/08/03
Horn Antenna	SCHWARZBECK	BBHA 9120 D	Aa-EE076	2025/08/11	2027/08/10
Test Receiver	ROHDE&SCHWARZ	ESR	Aa-EE048	2025/08/04	2026/08/03
Bilog Antenna	SCHWARZBECK	VULB 9168	Aa-EE001	2025/08/11	2027/08/10
Amplifier	SKET	LNPA_0118G-45	Aa-EE087	2025/08/04	2026/08/03
Horn Antenna	SCHWARZBECK	BBHA 9170	Aa-EE077	2025/08/11	2027/08/10
Loop Antenna	SCHWARZBECK	FMZB 1519B	Aa-EE074	2025/08/11	2027/08/10

9.2. Block diagram of test setup





9.3. Limits

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2

4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

1Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2Above 38.6

15.209 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		uV/m	dBuV/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30~88	3	100	40.0
88~216	3	150	43.5
216~960	3	200	46.0
960~1000	3	500	54.0
Above 1000	3	74.0 dBuV/m (Peak) 54.0 dBuV/m (Average)	

Note: Harmonic emissions limits comply with below 54 dBuV/m at 3m. Other emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or comply with the radiated emissions limits specified in section15.209(a) limit in the table below has to be followed.

9.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

9.5. Test procedure

The measuring distance of 3m shall be used for measurements at frequency up to 1GH and above 1GHz, The EUT was placed on a rotating 0.8 m high above ground for below 1GHz and 1.5m high for above1GHz testing, The table was rotated 360 degrees to determine the position of the highest radiation.

The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set of make measurement.

The initial step in collecting conducted emission data is a spectrum analyzer Peak detector mode pre-scanning the measurement frequency range. Significant Peaks are then marked. and then Qusia Peak Detector mode premeasured.

If Peak value comply with QP limit Below 1GHz.The EUT deemed to comply with QP limit. But the Peak value and average value both need to comply with applicable limit above 1GHz.

For the actual test configuration, please see the test setup photo.

9.6. Test result

Test Site: Chamber 1#(RSE)	Test Date: 2025/09/15--2025/09/15
Condition: 22.4°C,55%RH,101kPa	Test Engineer: Yannis Wen
Memo: /	

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping off Tx mode
Power supply: DC 6V from adapter	Memo: /

Test Condition

Continual Transmitting in maximum power.

9KHz~150KHz	RBW200Hz	VBW1KHz
150KHz~30MHz	RBW9KHz	VBW 30KHz
30MHz~1GHz	RBW120KHz	VBW 300KHz
Above1GHz	RBW1MHz	VBW 3MHz

We have scanned the 10th harmonic from 9 kHz to the EUT.

Detailed information please see the following page.

From 9KHz to 30MHz: Conclusion: PASS

Note: 1.The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

2. Only show the test data of the worst Channel in this report.

9.7. Test data



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SHENZHEN ALPHA PRODUCT TESTING CO.,LTD.

深圳阿尔法商品检验有限公司

Shenzhen Alpha Product Testing Co.,Ltd.

地址: ALPHA 广东省深圳市宝安区福永街道立新路 2 号 i 栋

TEL: 4008-3008-95

Site LAB 966 Chamber 1

Polarization: **Vertical**

Temperature: 22.4

Limit: FCC Part 15 Class B Radiation (30-1000)

Power: DC 6V From Battery

Humidity: 55 %

EUT/Task No : A2509124-C05

Distance: 3m

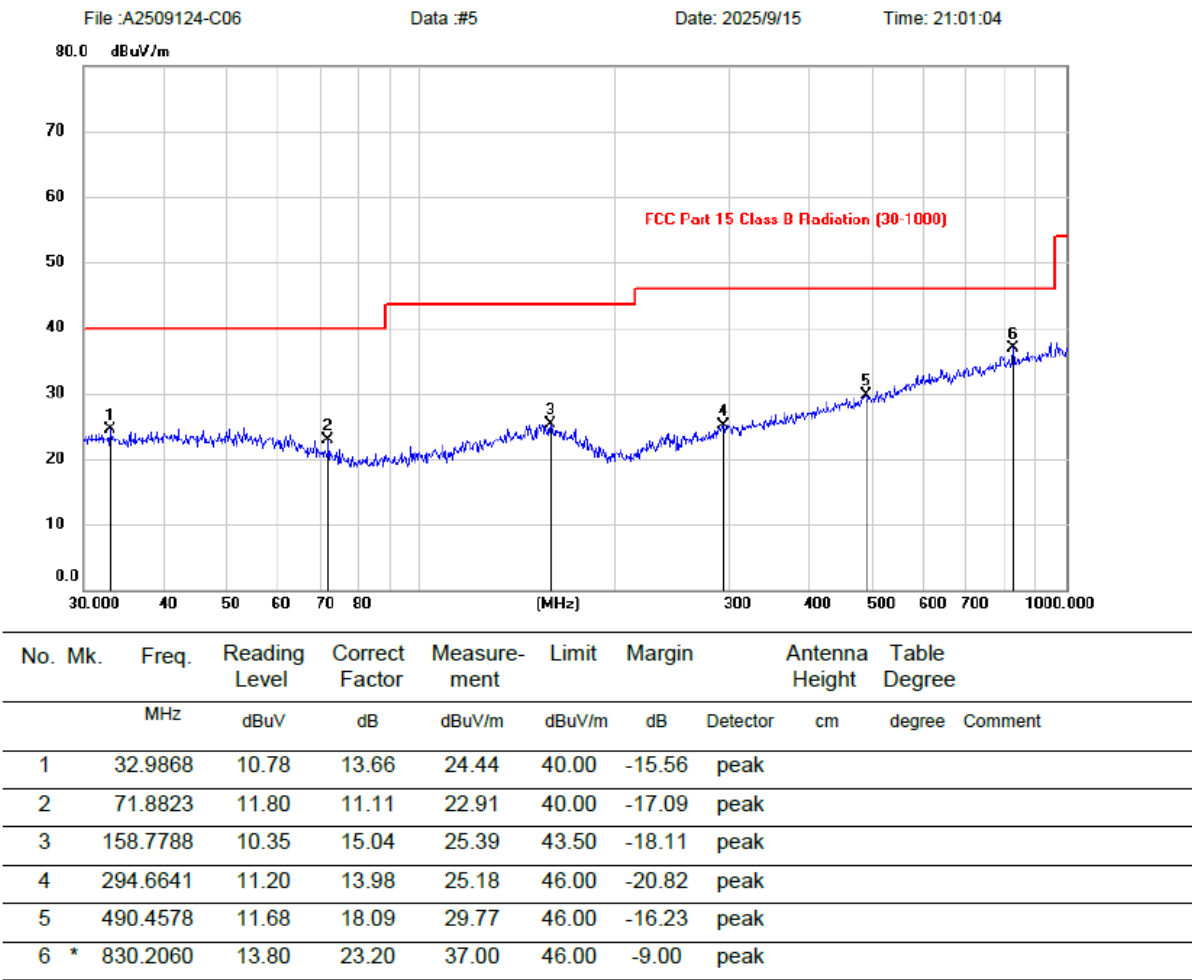
M/N/Sample No: A2509124-S0001

Mode : Mode 1

Note:

Engineer Signature: *Yanni3 wen*

Radiated Emission Measurement



Note: 1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



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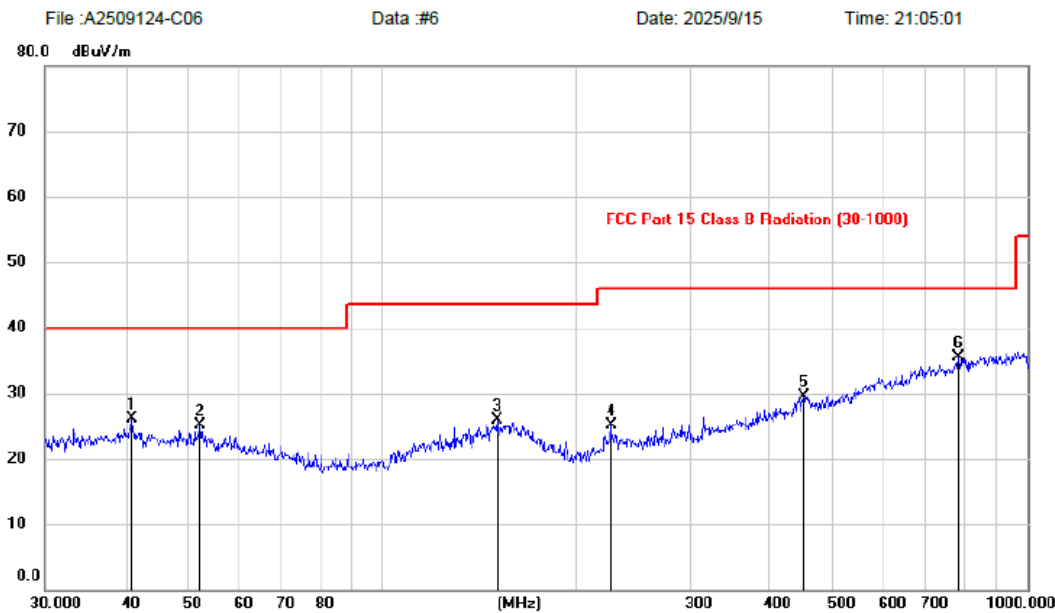
Shenzhen Alpha Product Testing Co.,Ltd.

地址: ALPHA 广东省深圳市宝安区福永街道立新路 2 号 i 栋

TEL: 4008-3008-95

Site LAB 966 Chamber 1	Polarization: Horizontal	Temperature: 22.4
Limit: FCC Part 15 Class B Radiation (30-1000)	Power: DC 6V From Battery	Humidity: 55 %
EUT/Task No : A2509124-C05	Distance: 3m	
M/N/Sample No: A2509124-S0001		
Mode : Mode 1		
Note:		
Engineer Signature: <i>Yanni3 wen</i>		

Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		40.8541	11.74	14.36	26.10	40.00	-13.90	peak		
2		52.3482	11.30	13.82	25.12	40.00	-14.88	peak		
3		150.8900	10.88	15.06	25.94	43.50	-17.56	peak		
4		226.7874	13.04	12.13	25.17	46.00	-20.83	peak		
5		451.9793	11.97	17.59	29.56	46.00	-16.44	peak		
6	*	784.7264	12.64	22.81	35.45	46.00	-10.55	peak		

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

From 1G-25GHz

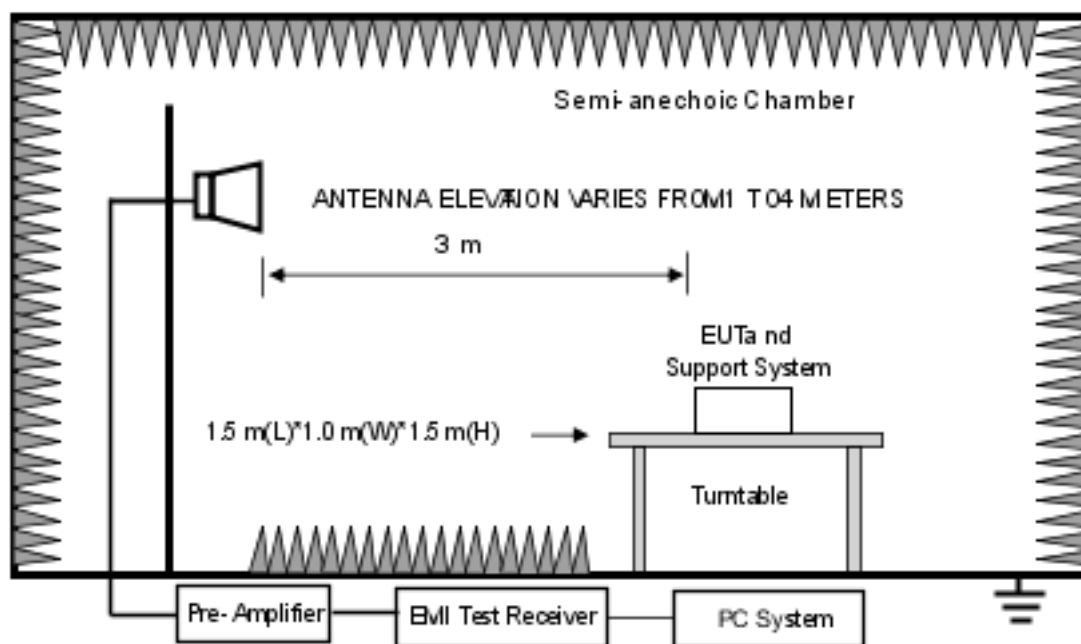
Test Mode: GFSK 1Mbps TX Low									
Freq (MHz)	Read Level (dBuV/m)	Polar (H/V)	Antenna Factor (dB/m)	Cable loss(dB)	Amp Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
4814	46.24	V	33.95	10.18	34.26	56.11	74	-17.89	PK
4814	35.05	V	33.95	10.18	34.26	44.92	54	-9.08	AV
7221	/	/	/	/	/	/	/	/	/
9628	/	/	/	/	/	/	/	/	/
4814	46.81	H	33.95	10.18	34.26	56.68	74	-17.32	PK
4814	35.14	H	33.95	10.18	34.26	45.01	54	-8.99	AV
7221	/	/	/	/	/	/	/	/	/
9628	/	/	/	/	/	/	/	/	/
Test Mode: GFSK 1Mbps TX Mid									
4866	46.46	V	33.93	10.2	34.29	56.30	74	-17.70	PK
4866	34.56	V	33.93	10.2	34.29	44.40	54	-9.60	AV
7299	/	/	/	/	/	/	/	/	/
9732	/	/	/	/	/	/	/	/	/
4866	41.92	H	33.93	10.2	34.29	51.76	74	-22.24	PK
4866	35.65	H	33.93	10.2	34.29	45.49	54	-8.51	AV
7299	/	/	/	/	/	/	/	/	/
9732	/	/	/	/	/	/	/	/	/
Test Mode: GFSK 1Mbps TX High									
4956	46.45	V	33.93	10.2	34.29	56.29	74	-17.71	PK
4956	34.31	V	33.93	10.2	34.29	44.15	54	-9.85	AV
7434	/	/	/	/	/	/	/	/	/
9912	/	/	/	/	/	/	/	/	/
4956	45.79	H	33.93	10.2	34.29	55.63	74	-18.37	PK
4956	34.79	H	33.93	10.2	34.29	44.63	54	-9.37	AV
7434	/	/	/	/	/	/	/	/	/
9912	/	/	/	/	/	/	/	/	/
Note:									
1, Result = Read level + Antenna factor + cable loss-Amp factor									
2, All the other emissions not reported were too low to read and deemed to comply with FCC limit.									

10. Band Edge (Conducted)

10.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
CMW500	ROHDE&SCHWARZ	CMW500	Aa-EE073	2025/08/04	2026/08/03
Spectrum analyzer	ROHDE&SCHWARZ	FSV40-N	Aa-EE081	2025/08/04	2026/08/03
Signal Analyzer	Agilent	N9020A	Aa-EE039	2025/08/04	2026/08/03
Power Sensor	Agilent	E9300A	Aa-EE046	2025/08/04	2026/08/03
Vector Signal Generator	Agilent	N5182A	Aa-EE040	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE071	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE070	2025/08/04	2026/08/03
Power meter	Agilent	E4419B	Aa-EE045	2025/08/04	2026/08/03

10.2. Block diagram of test setup



10.3. Limits

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\(c\)](#)).

10.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

10.5. Test procedure

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.

3) Attenuation: Auto (at least 10 dB preferred).

4) Sweep time: Coupled.

5) Resolution bandwidth: 100 kHz.

6) Video bandwidth: 300 kHz.

7) Detector: Peak.

8) Trace: Max hold.

All restriction band and non- restriction band have been tested, only worse case is reported.

10.6. Test result

Test Site: RF Laboratory	Test Date: 2025/10/09--2025/10/10
Condition: 24.1°C,56%RH,101kPa	Test Engineer: Yannis Wen
Memo: Only show the test data of the worst case.	

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping off Tx mode-L/H
Power supply: DC 6V from battery	Memo: Please refer to Band Edge of Annex.

/

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping on Tx mode
Power supply: DC 6V from battery	Memo: Please refer to Band Edge(Hopping) of Annex.

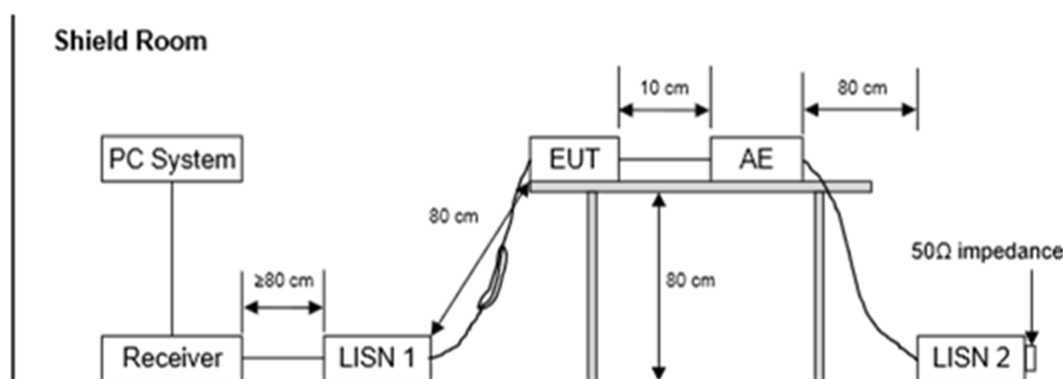
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11. Power Line Conducted Emissions

11.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
Test Receiver	ROHDE&SCHWARZ	ESCI	Aa-EE005	2025/08/04	2026/08/03
Pulse Limiter	SCHWARZBEC K	9516F	Aa-EE004	2025/08/04	2026/08/03
L.I.S.N.	SCHWARZBEC K	NSLK8126	Aa-EE003	2025/08/04	2026/08/03

11.2. Block diagram of test setup



11.3. Limits

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3. The limit decreases in line with the logarithm of the frequency in rang of 0.15 to 0.50 MH

11.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

11.5. Test procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024 on Conducted Emission Measurement.

The bandwidth of test receiver is set at 9 kHz.

11.6. Test result

Test Site: Shield Room CE 1#	Test Date: 2025/10/20--2025/10/20
Condition: 23.4°C,56%RH,101kPa	Test Engineer: Yannis Wen
Memo: /	

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping off Tx mode
Power supply: AC 120V/50Hz	Memo: /

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "-----" means Peak detection; "-----" means Average detection.

Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

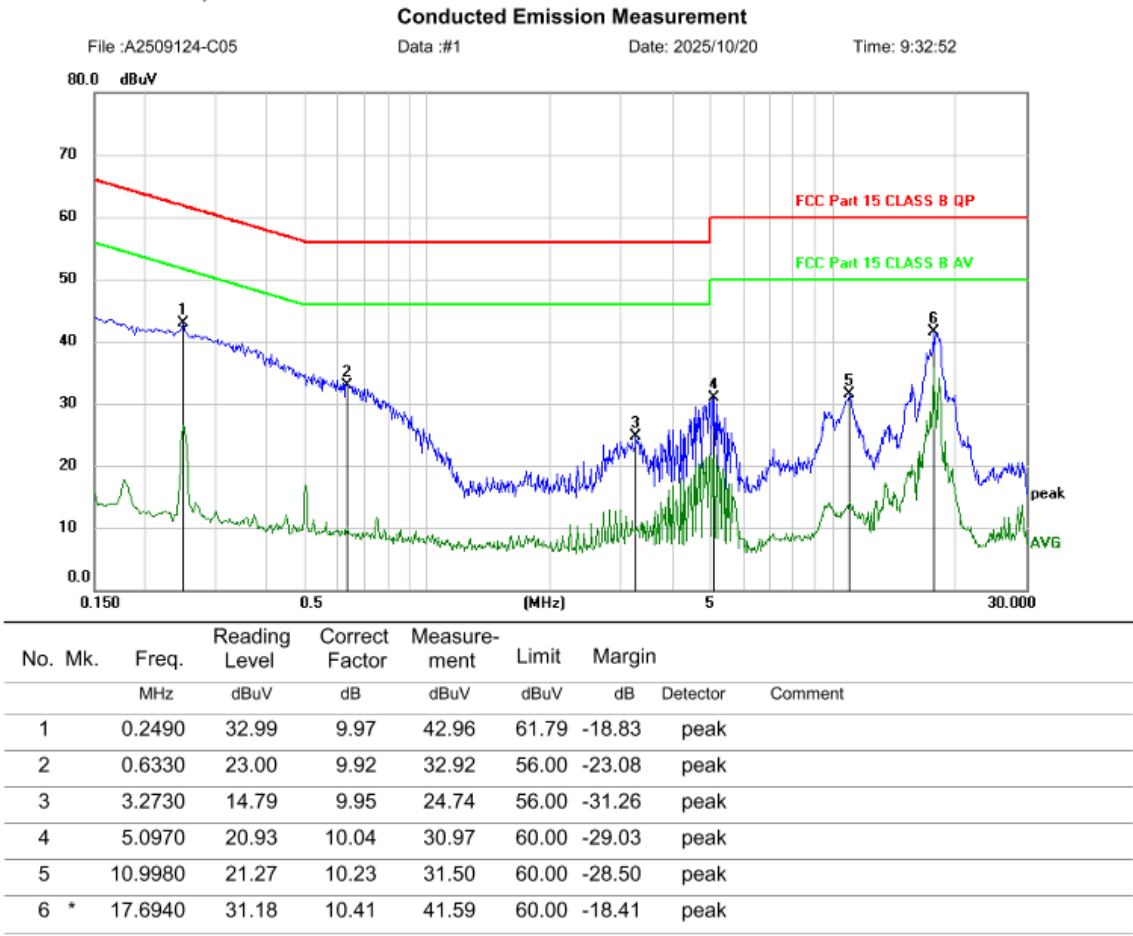
11.7. Test data



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SHENZHEN ALPHA PRODUCT TESTING CO.,LTD.

深圳阿尔法商品检验有限公司
Shenzhen Alpha Product Testing Co.,Ltd.
地址: ALPHA 广东省深圳市宝安区福永街道立新路 2 号 i 栋
TEL: 4008-3008-95

Site LAB	Phase: N	Temperature: 23.4
Limit: FCC Part 15 CLASS B QP	Power: AC 120V/60Hz	Humidity: 56 %
EUT/Task No : A2509124-C05		
M/N/Sample No: A2509124-S0001		
Mode : Mode 1		
Note:		
Engineer Signature: yanni3 wen		



*:Maximum data x:Over limit !:over margin <Reference Only
Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable



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SHENZHEN ALPHA PRODUCT TESTING CO.,LTD.

深圳阿尔法商品检验有限公司
Shenzhen Alpha Product Testing Co.,Ltd.

地址: ALPHA 广东省深圳市宝安区福永街道立新路 2 号 i 栋
TEL: 4008-3008-95

Site LAB

Phase: L1

Temperature: 23.4

Limit: FCC Part 15 CLASS B QP

Power: AC 120V/60Hz

Humidity: 56 %

EUT/Task No : A2509124-C05

M/N/Sample No: A2509124-S0002

Mode : Mode 1

Note:

Engineer Signature: Vanniz Wen

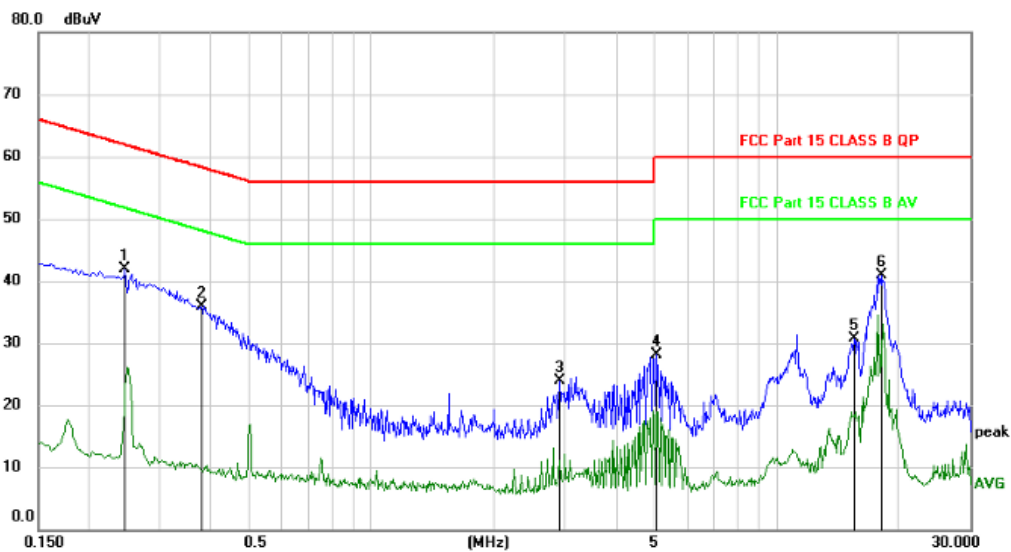
Conducted Emission Measurement

File :A2509124-C05

Data :#2

Date: 2025/10/20

Time: 9:35:12



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
								Comment
1		0.2460	31.93	9.97	41.90	61.89	-19.99	peak
2		0.3810	25.97	9.94	35.91	58.26	-22.35	peak
3		2.9040	13.97	9.94	23.91	56.00	-32.09	peak
4		5.0460	18.13	10.04	28.17	60.00	-31.83	peak
5		15.5220	20.32	10.34	30.66	60.00	-29.34	peak
6	*	18.1230	30.54	10.42	40.96	60.00	-19.04	peak

*:Maximum data x:Over limit !:over margin

<Reference Only

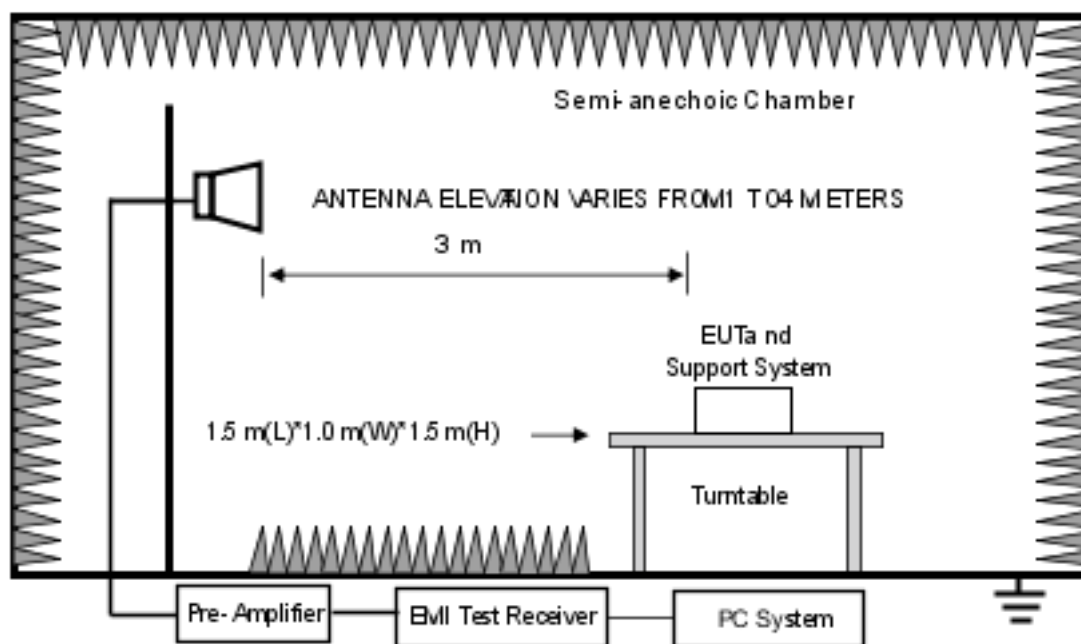
Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

12. Band Edge (Radiated)

12.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
Spectrum analyzer	ROHDE&SCHWARZ	FSU	Aa-EE075	2025/08/04	2026/08/03
Horn Antenna	SCHWARZBECK	BBHA 9120 D	Aa-EE076	2025/08/11	2027/08/10
Test Receiver	ROHDE&SCHWARZ	ESR	Aa-EE048	2025/08/04	2026/08/03
Bilog Antenna	SCHWARZBECK	VULB 9168	Aa-EE001	2025/08/11	2027/08/10
Amplifier	SKET	LNPA_0118G-45	Aa-EE087	2025/08/04	2026/08/03
Horn Antenna	SCHWARZBECK	BBHA 9170	Aa-EE077	2025/08/11	2027/08/10
Loop Antenna	SCHWARZBECK	FMZB 1519B	Aa-EE074	2025/08/11	2027/08/10

12.2. Block diagram of test setup



12.3. Limits

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\(c\)](#)).

12.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

12.5. Test procedure

Details see the KDB 558074 D01 15.247 Meas Guidance v05r02

- § Put the EUT on a 0.8m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission
- § Check the spurious emissions out of band.
- § RBW 1MHz, VBW 3MHz, peak detector for peak value, RBW 1MHz, VBW 3MHz, RMS detector for AV value.

All restriction band and non- restriction band have been tested, only worse case is reported.

12.6. Test result

Test Site: Chamber 1#(RSE)	Test Date: 2025/10/16--2025/10/16
Condition: 24.2°C,56%RH,101kPa	Test Engineer: Yannis Wen
Memo: Only show the test data of the worst case.	

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping off Tx mode-L/H
Power supply: DC 6V from adapter	Memo: /

/

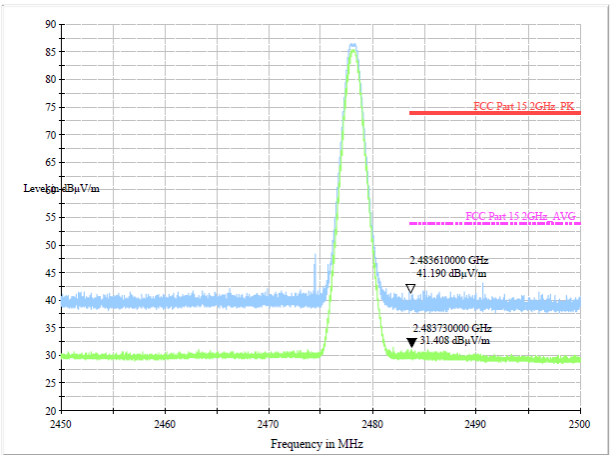
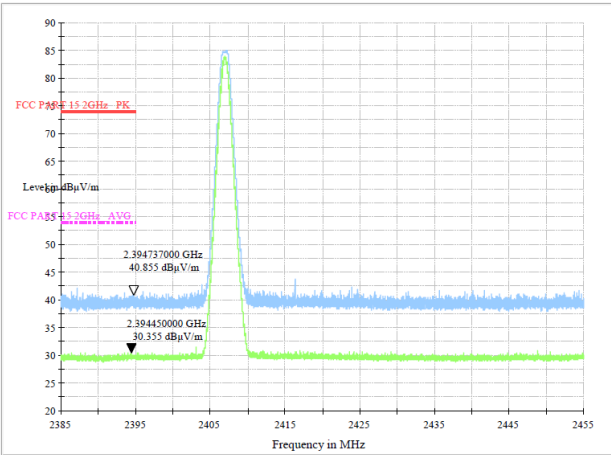
EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: hopping on Tx mode
Power supply: DC 6V from adapter	Memo: /

/

12.7. Test data

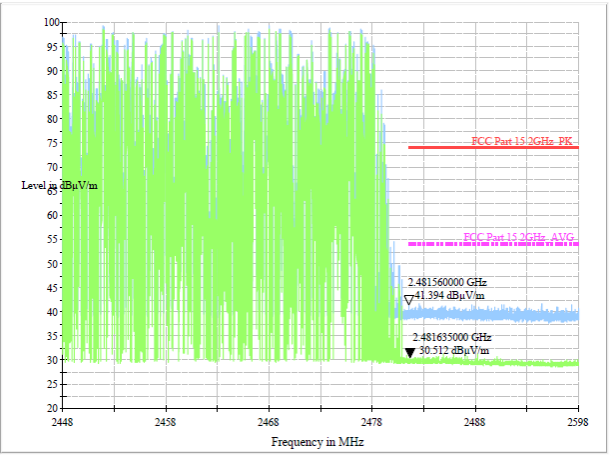
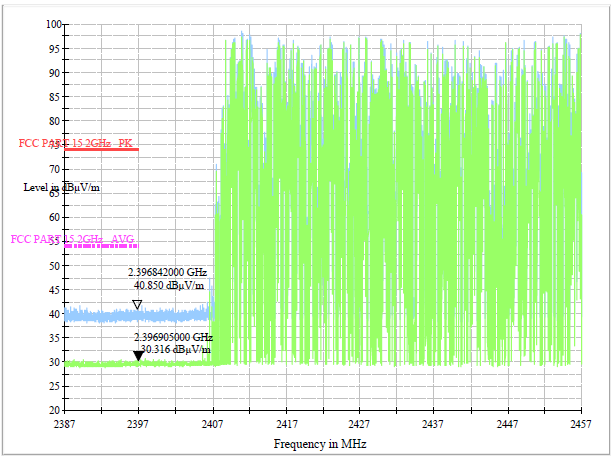
Test Mode: GFSK-Low Hopping-off

Test Mode: GFSK-High Hopping-off



Test Mode: GFSK-Low Hopping-on

Test Mode: GFSK-High Hopping-on

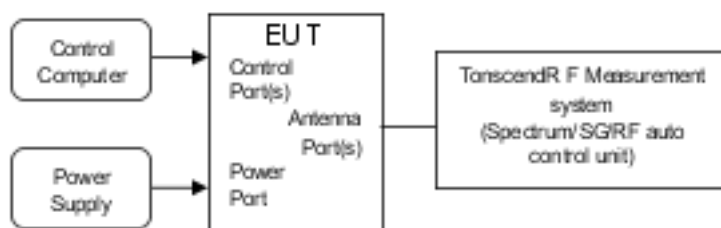


13. Antenna Requirement

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal Due To
CMW500	ROHDE&SCH WARZ	CMW500	Aa-EE073	2025/08/04	2026/08/03
Spectrum analyzer	ROHDE&SCH WARZ	FSV40-N	Aa-EE081	2025/08/04	2026/08/03
Signal Analyzer	Agilent	N9020A	Aa-EE039	2025/08/04	2026/08/03
Power Sensor	Agilent	E9300A	Aa-EE046	2025/08/04	2026/08/03
Vector Signal Generator	Agilent	N5182A	Aa-EE040	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE071	2025/08/04	2026/08/03
Power Sensor	DARE	RPR3006W	Aa-EE070	2025/08/04	2026/08/03
Power meter	Agilent	E4419B	Aa-EE045	2025/08/04	2026/08/03

13.2. Block diagram of test setup



13.3. Limits

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
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/	/	/	/	/
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13.5. Test procedure

The antenna is internal antenna and no consideration of replacement. Please see EUT photo for details.

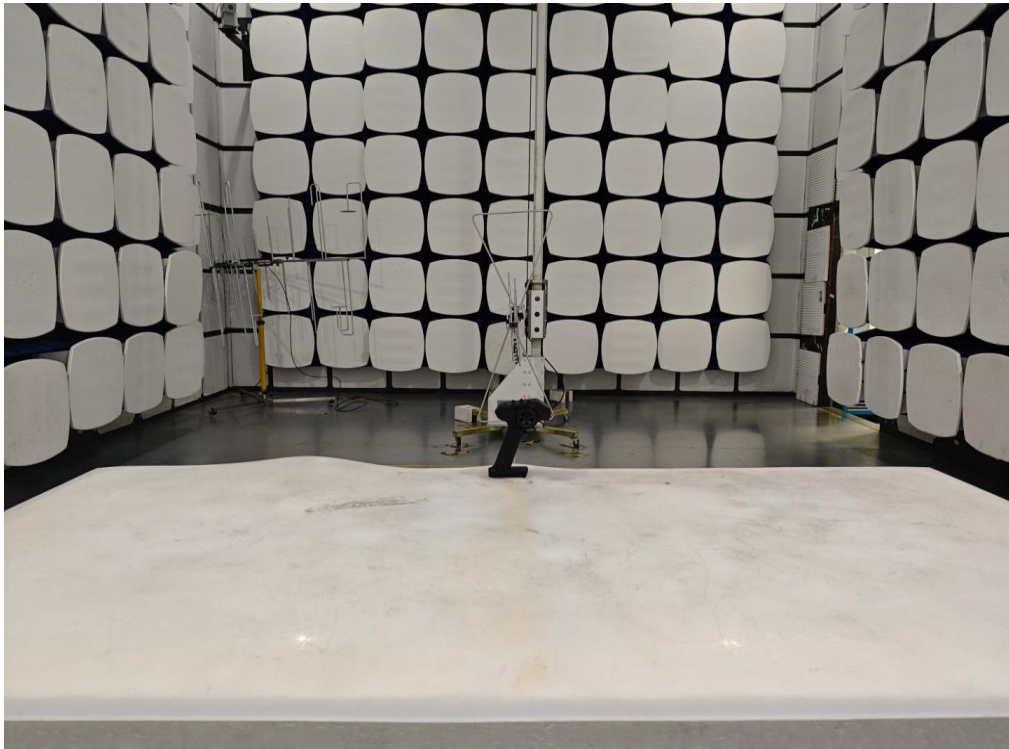
13.6. Test result

Test Site: RF Laboratory	Test Date: 2025/10/13--2025/10/13
Condition: 24°C,56%RH,101kPa	Test Engineer: Yannis Wen
Memo: /	

EUT Name: 2.4G Radio set	EUT Model: G0116
Sample No.: A2509124-S0001	Test Mode: /
Power supply: /	Memo: The EUT antenna is Copper Tube Antenna. It complies with the standard requirement.

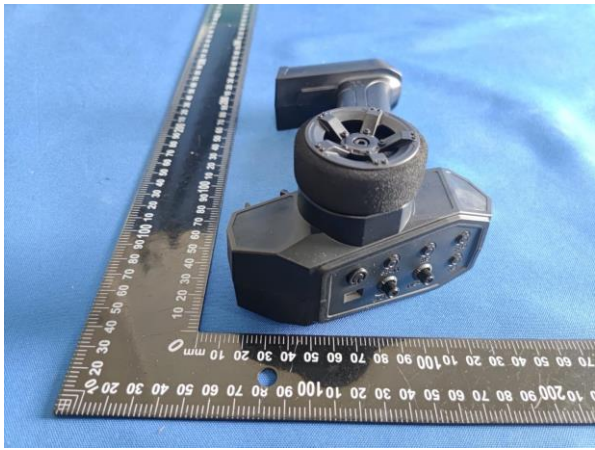
/

14. Test Setup Photograph

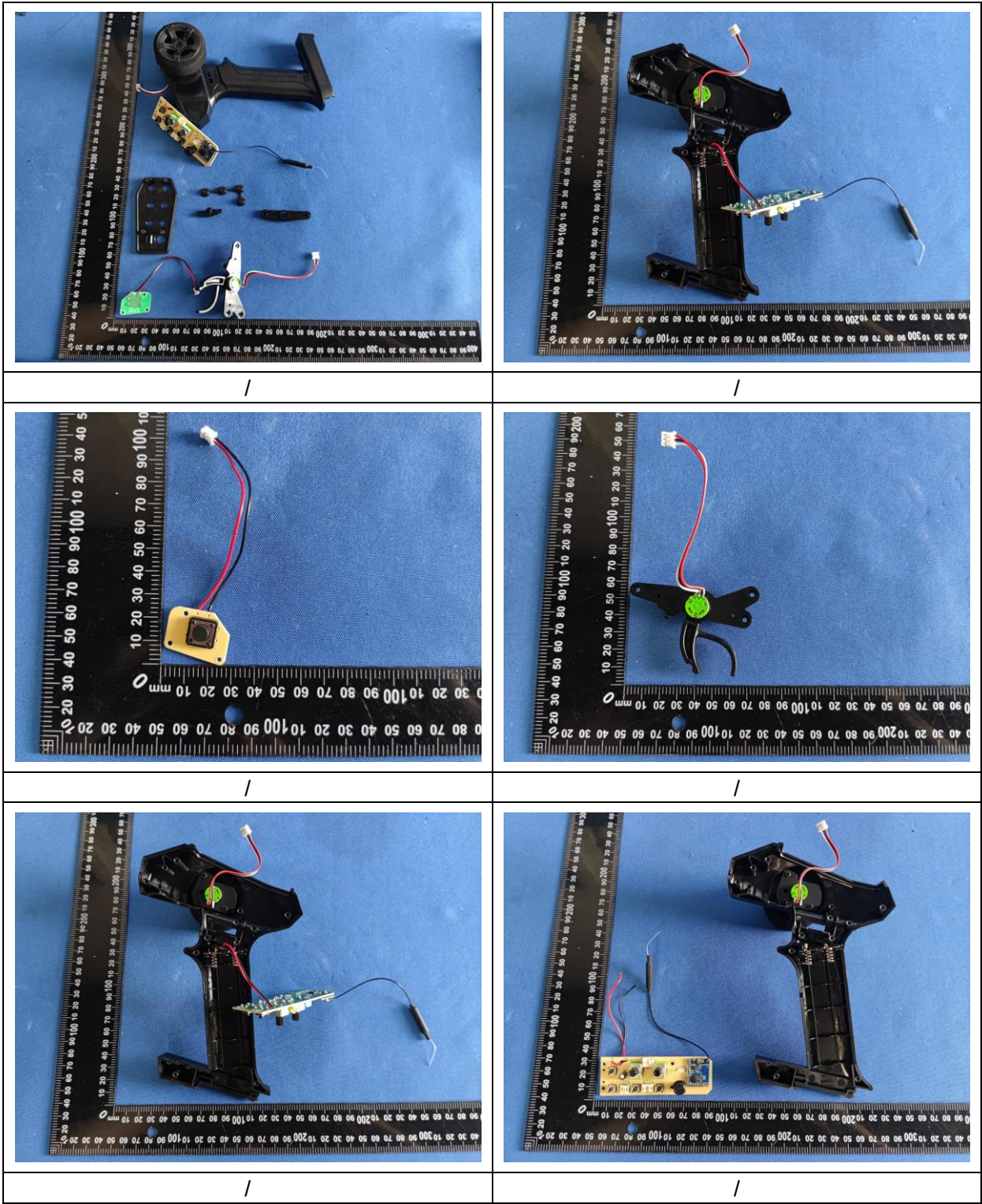


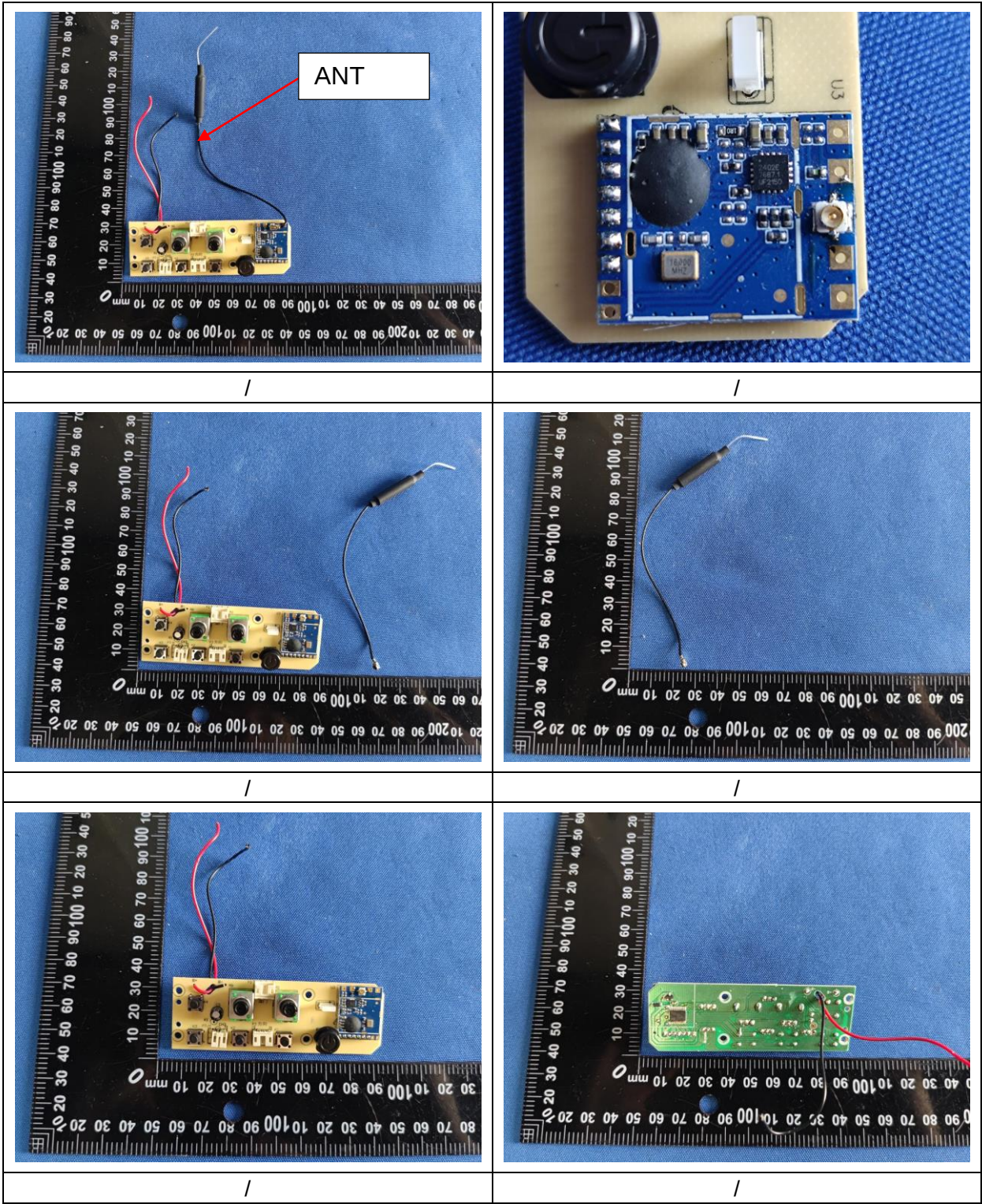


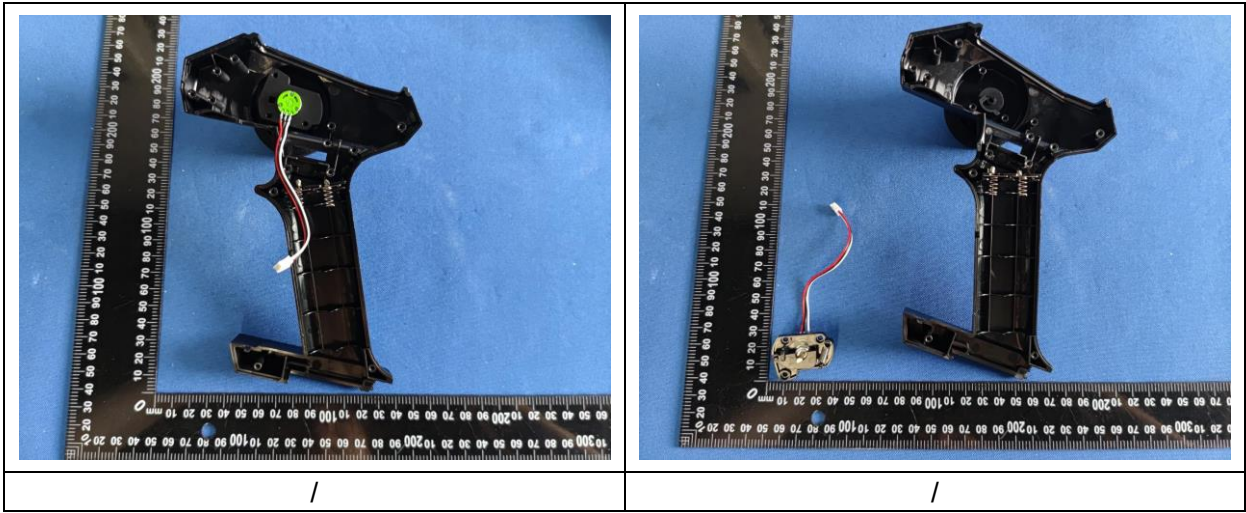
15.Photos of the EUT

	
/	/
	
/	/
	
/	/





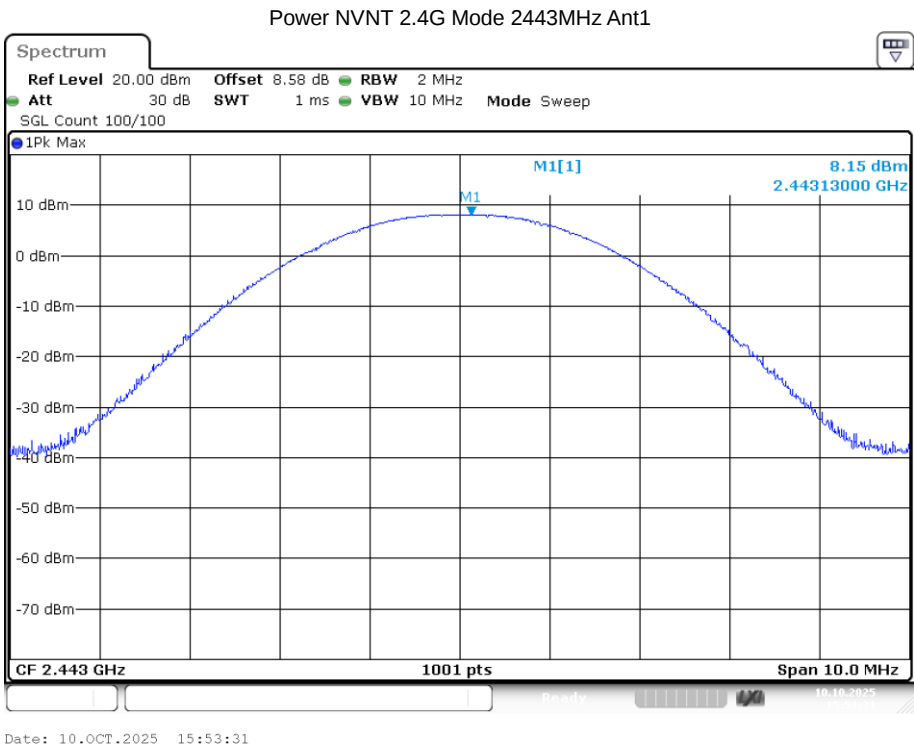
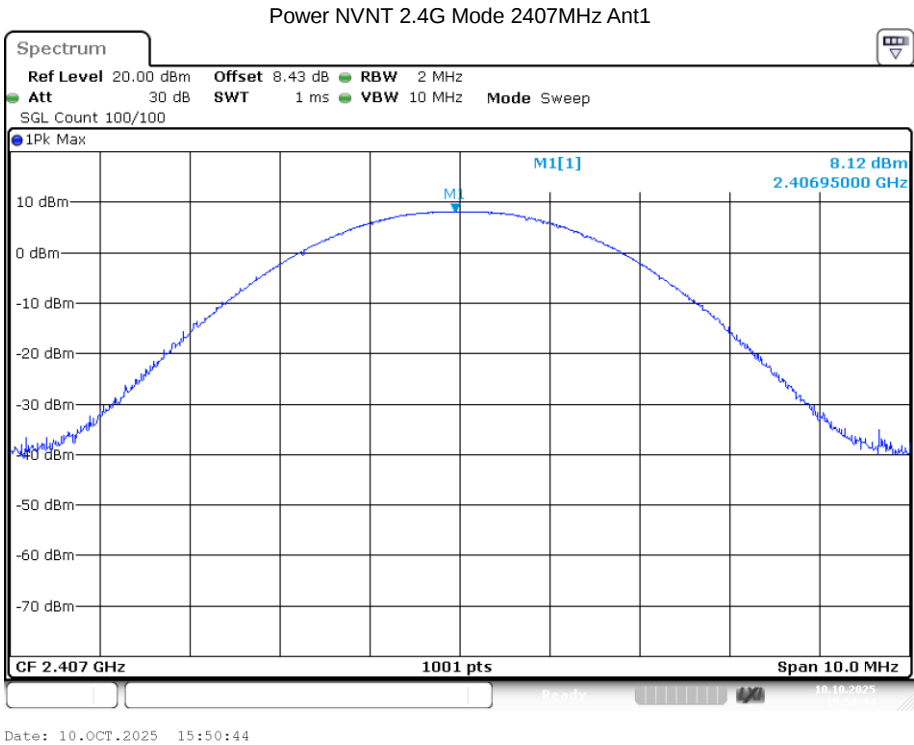




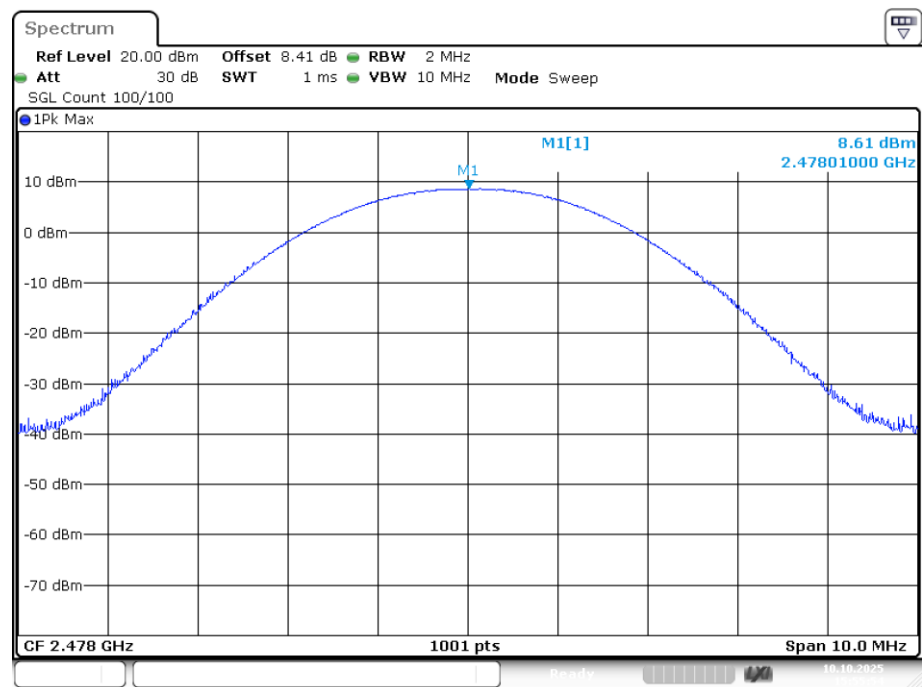
16. Annex

Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	2.4G Mode	2407	Ant1	8.123	21	Pass
NVNT	2.4G Mode	2443	Ant1	8.148	21	Pass
NVNT	2.4G Mode	2478	Ant1	8.612	21	Pass



Power NVNT 2.4G Mode 2478MHz Ant1

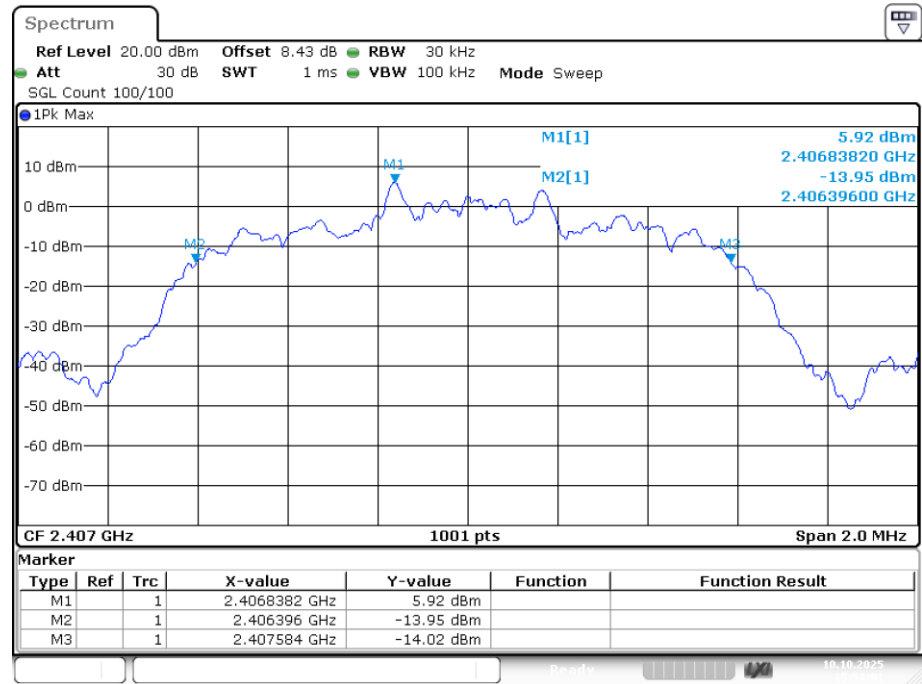


Date: 10.OCT.2025 15:55:54

-20dB Bandwidth

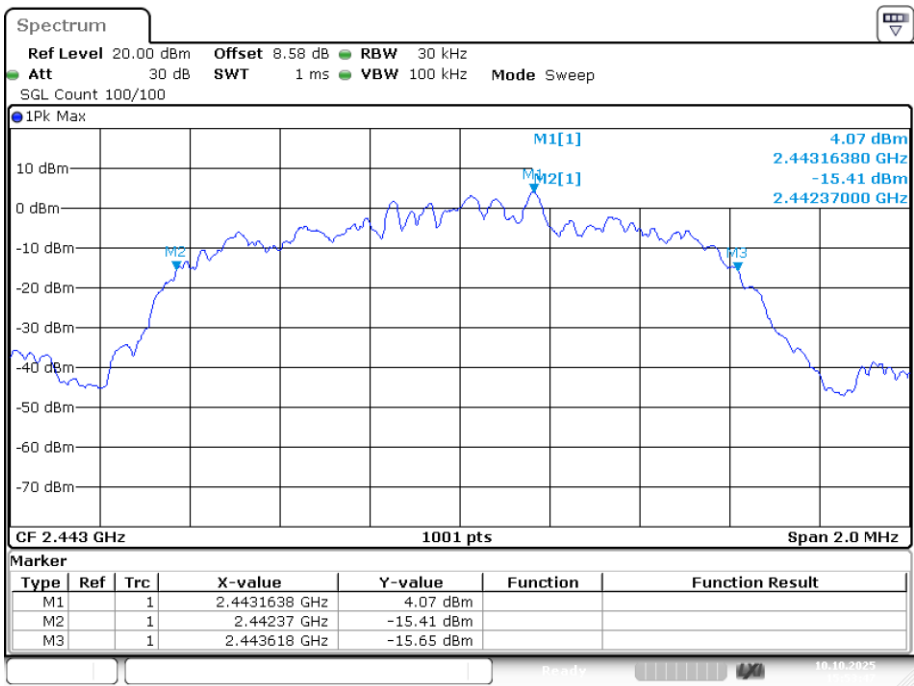
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	2.4G Mode	2407	Ant1	1.188	0	Pass
NVNT	2.4G Mode	2443	Ant1	1.248	0	Pass
NVNT	2.4G Mode	2478	Ant1	1.248	0	Pass

-20dB Bandwidth NVNT 2.4G Mode 2407MHz Ant1

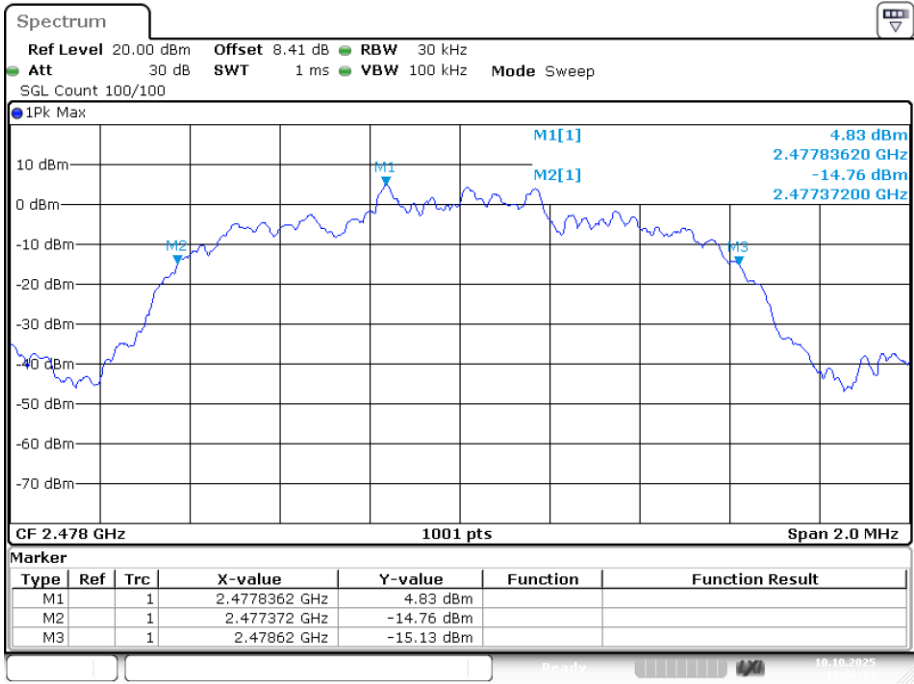


Date: 10.OCT.2025 15:51:01

-20dB Bandwidth NVNT 2.4G Mode 2443MHz Ant1



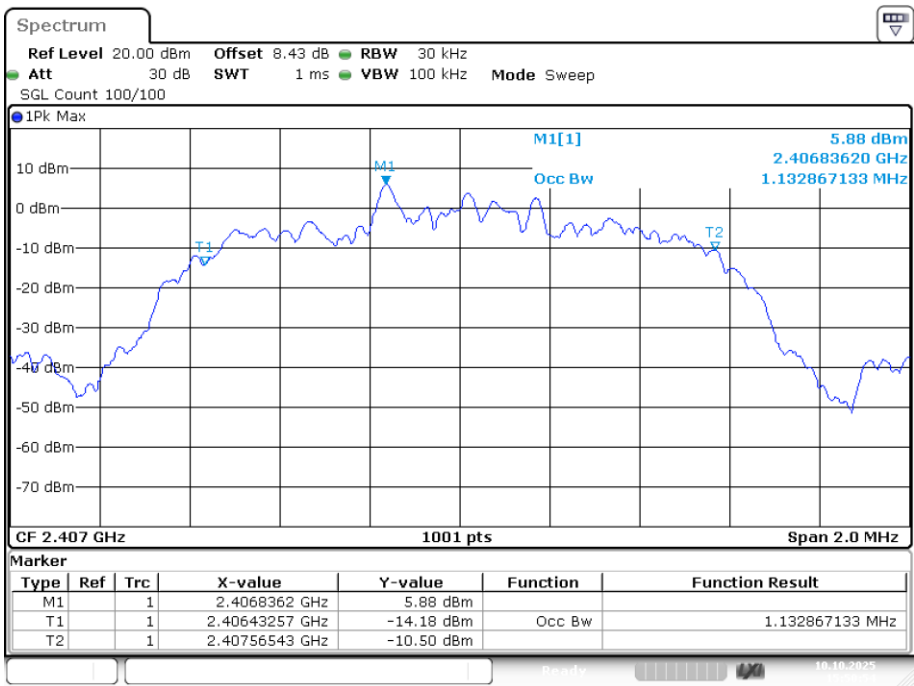
-20dB Bandwidth NVNT 2.4G Mode 2478MHz Ant1



Occupied Channel Bandwidth

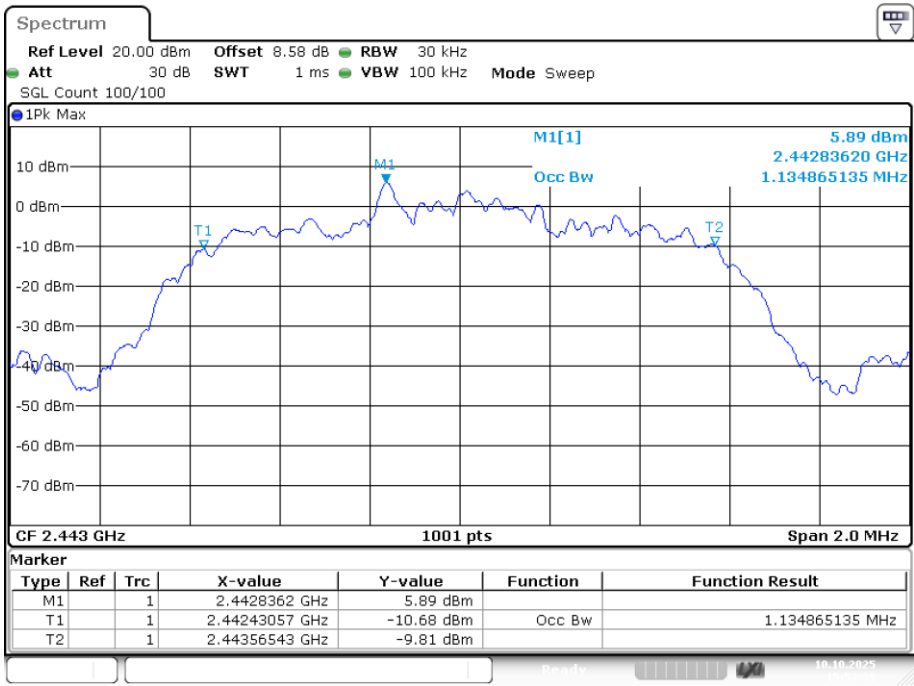
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	2.4G Mode	2407	Ant1	1.133
NVNT	2.4G Mode	2443	Ant1	1.135
NVNT	2.4G Mode	2478	Ant1	1.123

OBW NVNT 2.4G Mode 2407MHz Ant1



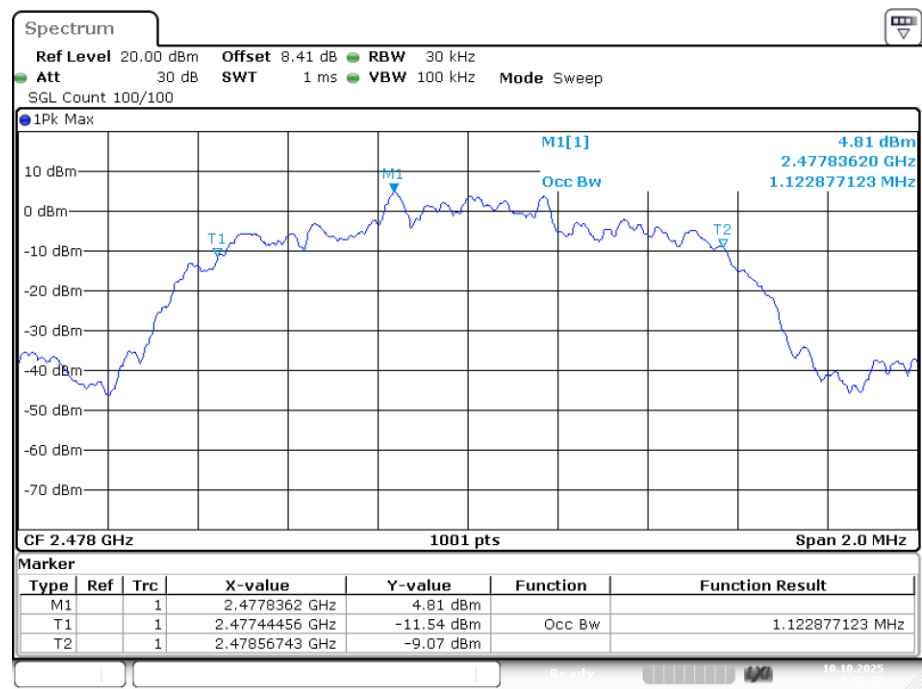
Date: 10.OCT.2025 15:50:54

OBW NVNT 2.4G Mode 2443MHz Ant1



Date: 10.OCT.2025 15:53:39

OBW NVNT 2.4G Mode 2478MHz Ant1

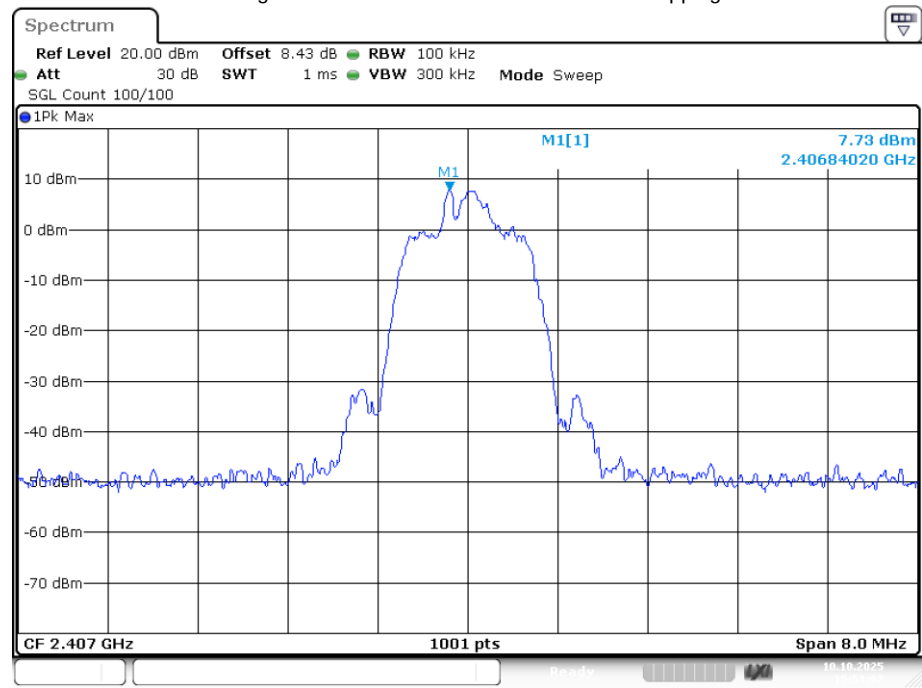


Date: 10.OCT.2025 15:56:06

Band Edge

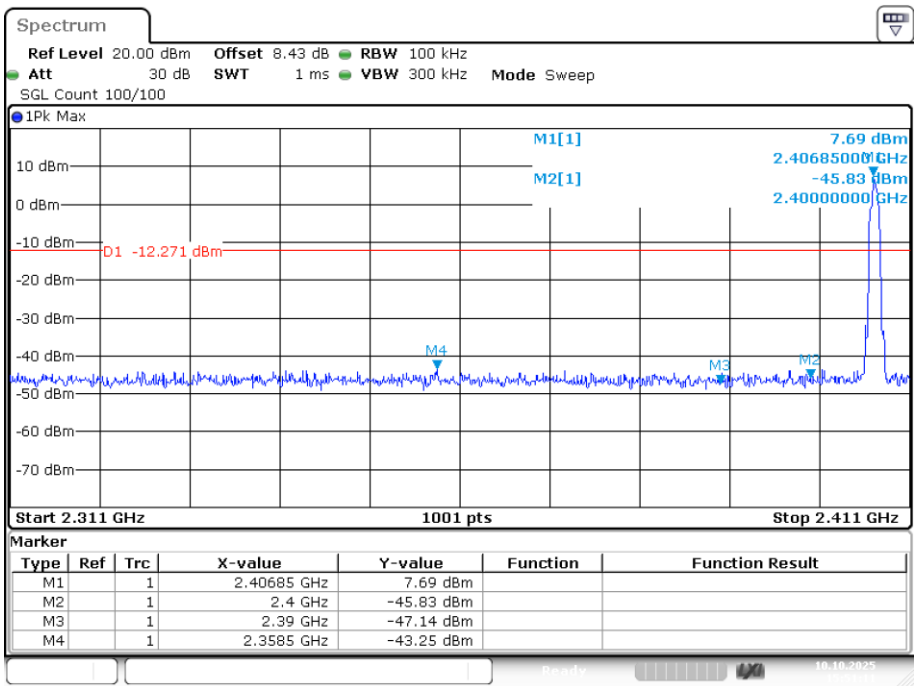
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G Mode	2407	Ant1	No-Hopping	-50.97	-20	Pass
NVNT	2.4G Mode	2478	Ant1	No-Hopping	-51.64	-20	Pass

Band Edge NVNT 2.4G Mode 2407MHz Ant1 No-Hopping Ref



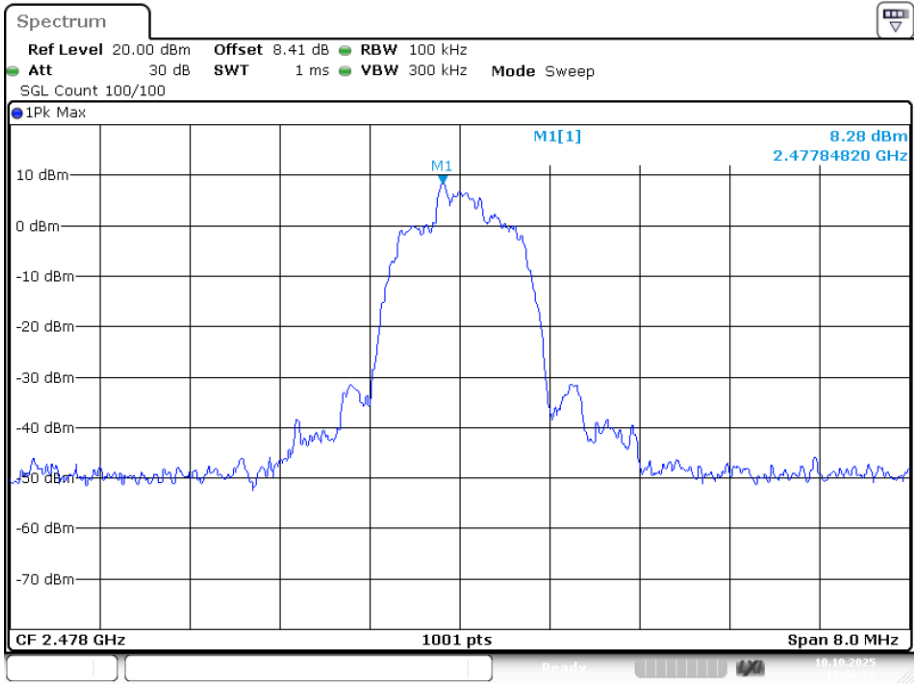
Date: 10.OCT.2025 15:51:07

Band Edge NVNT 2.4G Mode 2407MHz Ant1 No-Hopping Emission



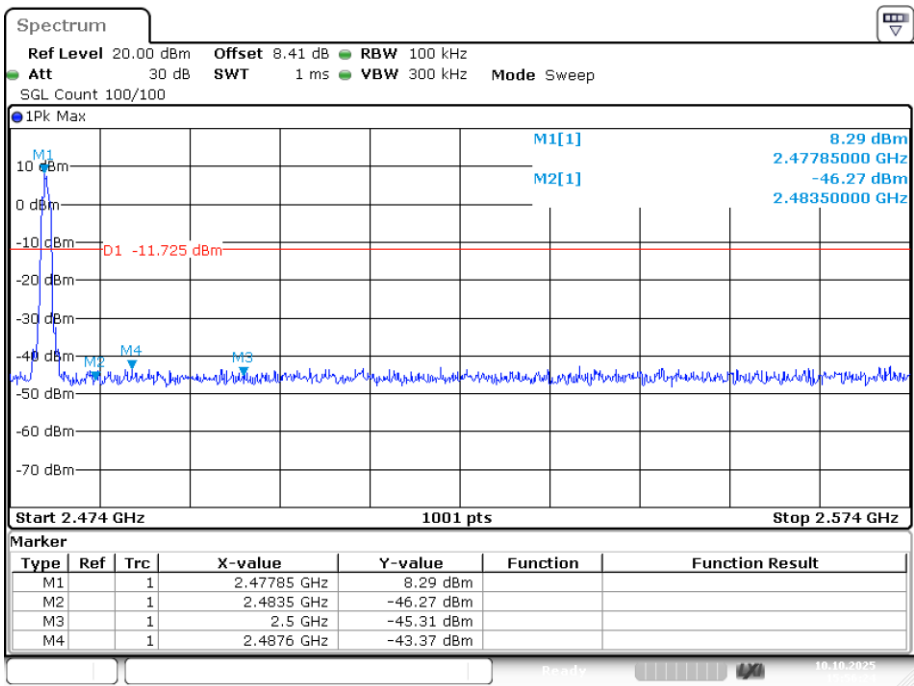
Date: 10.OCT.2025 15:51:11

Band Edge NVNT 2.4G Mode 2478MHz Ant1 No-Hopping Ref



Date: 10.OCT.2025 15:56:20

Band Edge NVNT 2.4G Mode 2478MHz Ant1 No-Hopping Emission

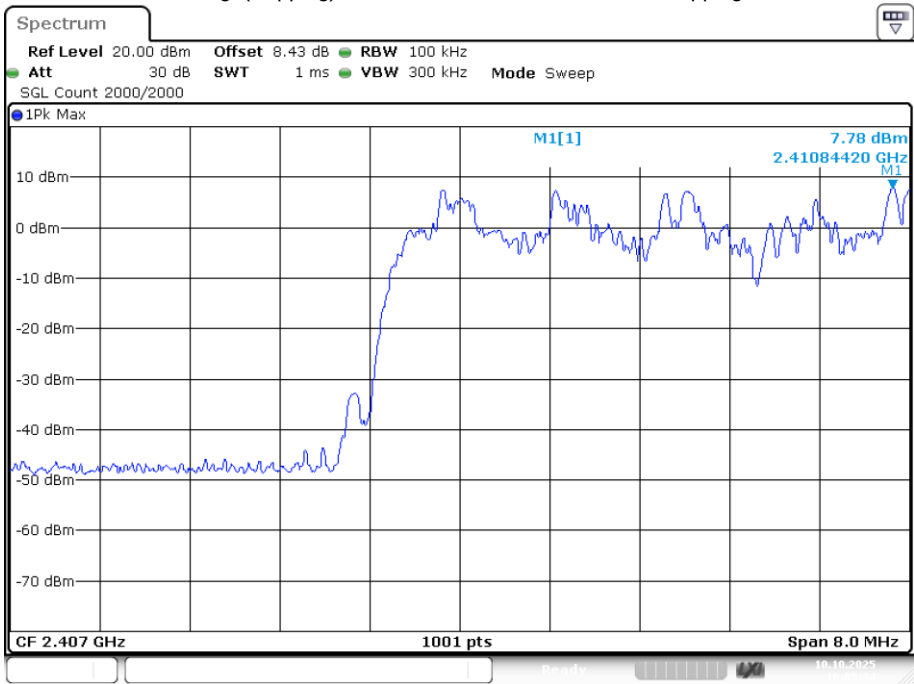


Date: 10.OCT.2025 15:56:24

Band Edge(Hopping)

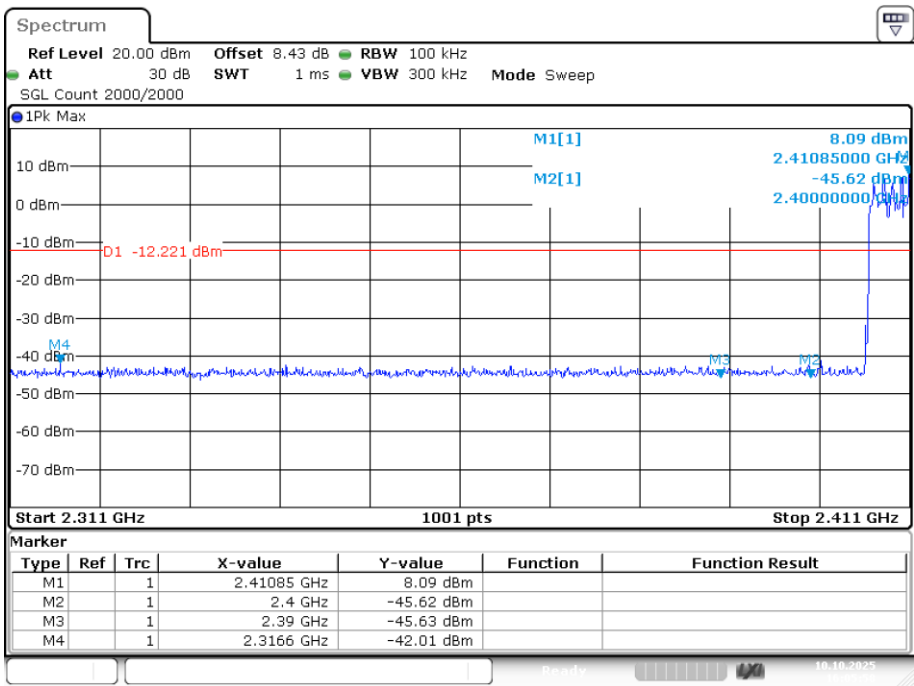
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G Mode	2407	Ant1	Hopping	-49.78	-20	Pass
NVNT	2.4G Mode	2478	Ant1	Hopping	-54.03	-20	Pass

Band Edge(Hopping) NVNT 2.4G Mode 2407MHz Ant1 Hopping Ref



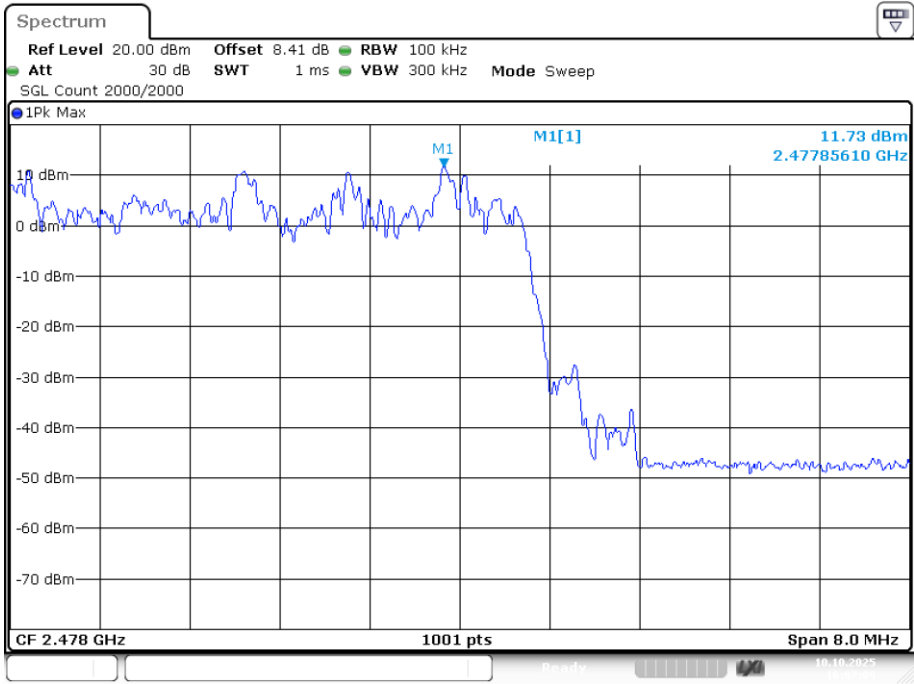
Date: 10.OCT.2025 16:05:34

Band Edge(Hopping) NVNT 2.4G Mode 2407MHz Ant1 Hopping Emission



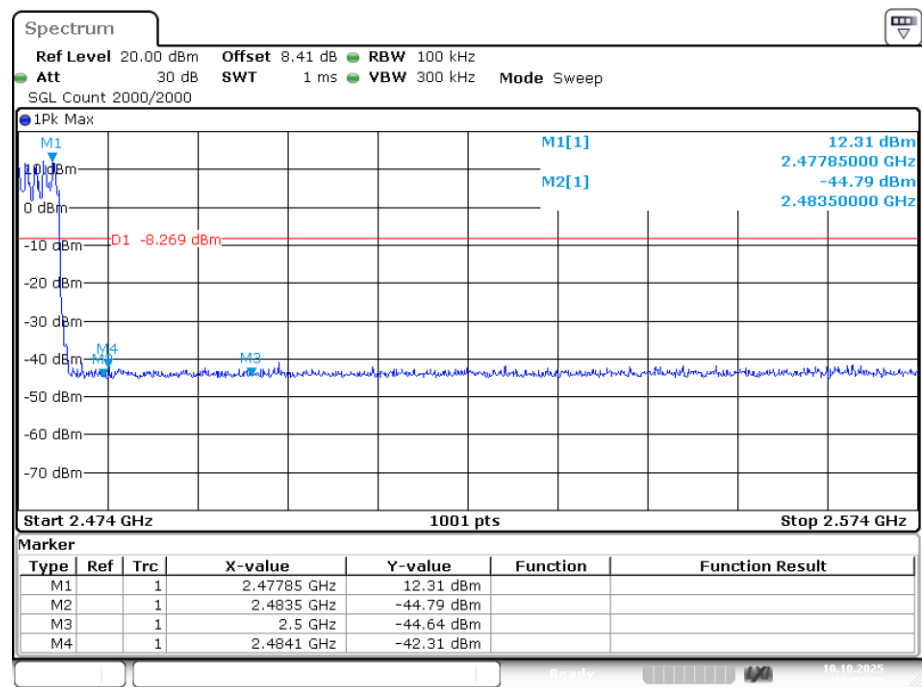
Date: 10.OCT.2025 16:05:58

Band Edge(Hopping) NVNT 2.4G Mode 2478MHz Ant1 Hopping Ref



Date: 10.OCT.2025 16:07:09

Band Edge(Hopping) NVNT 2.4G Mode 2478MHz Ant1 Hopping Emission

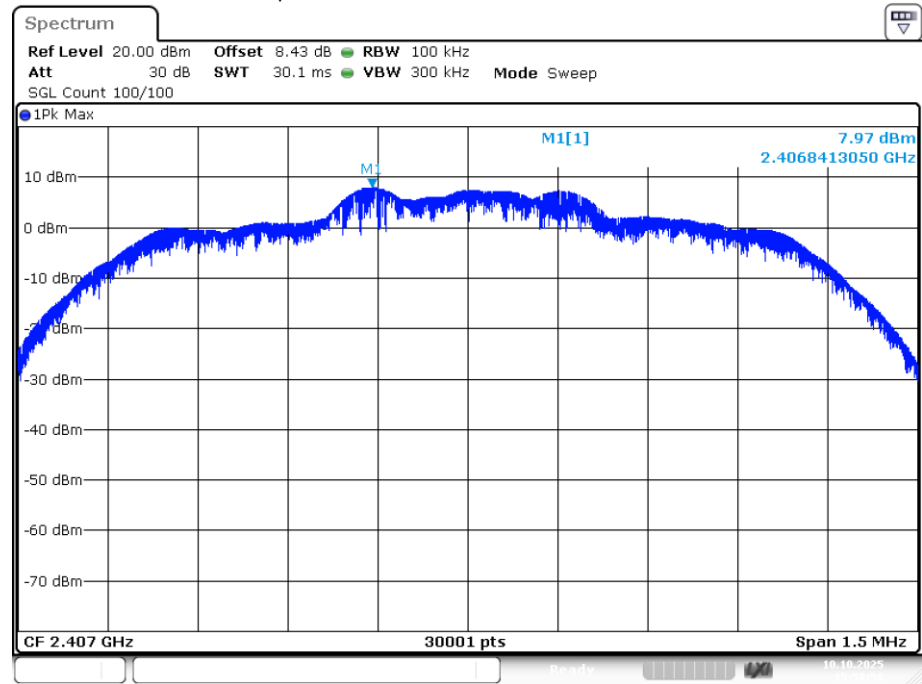


Date: 10.OCT.2025 16:07:24

Conducted RF Spurious Emission

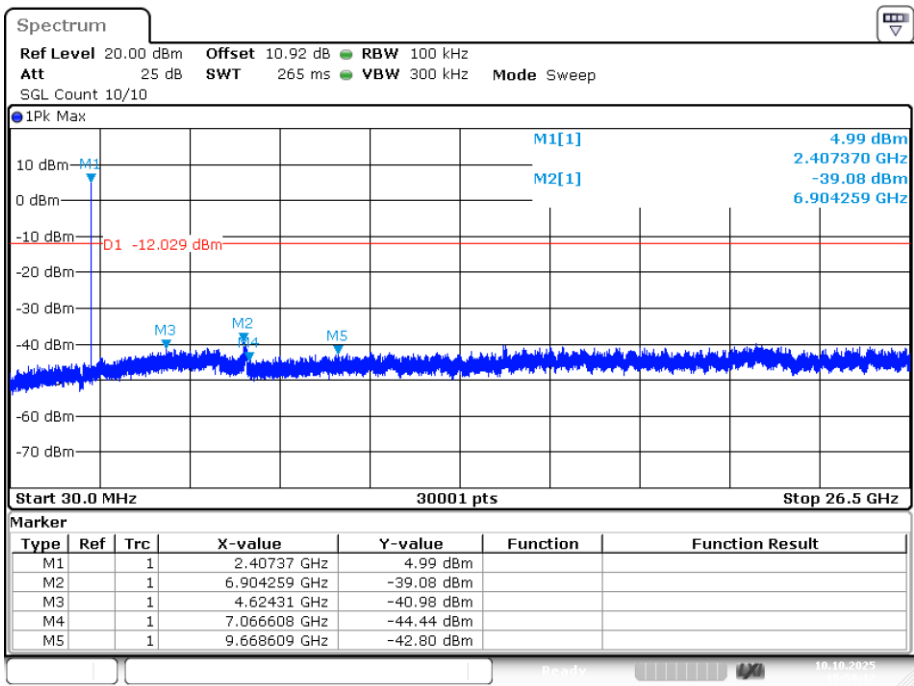
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	2.4G Mode	2407	Ant1	-47.04	-20	Pass
NVNT	2.4G Mode	2443	Ant1	-41.42	-20	Pass
NVNT	2.4G Mode	2478	Ant1	-48.13	-20	Pass

Tx. Spurious NVNT 2.4G Mode 2407MHz Ant1 Ref



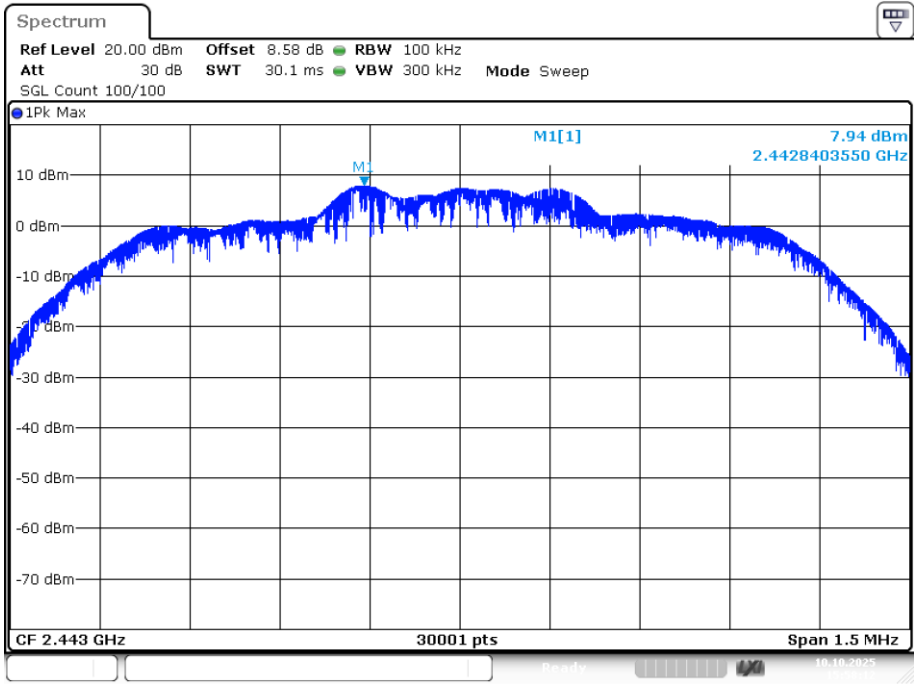
Date: 10.OCT.2025 15:58:58

Tx. Spurious NVNT 2.4G Mode 2407MHz Ant1 Emission



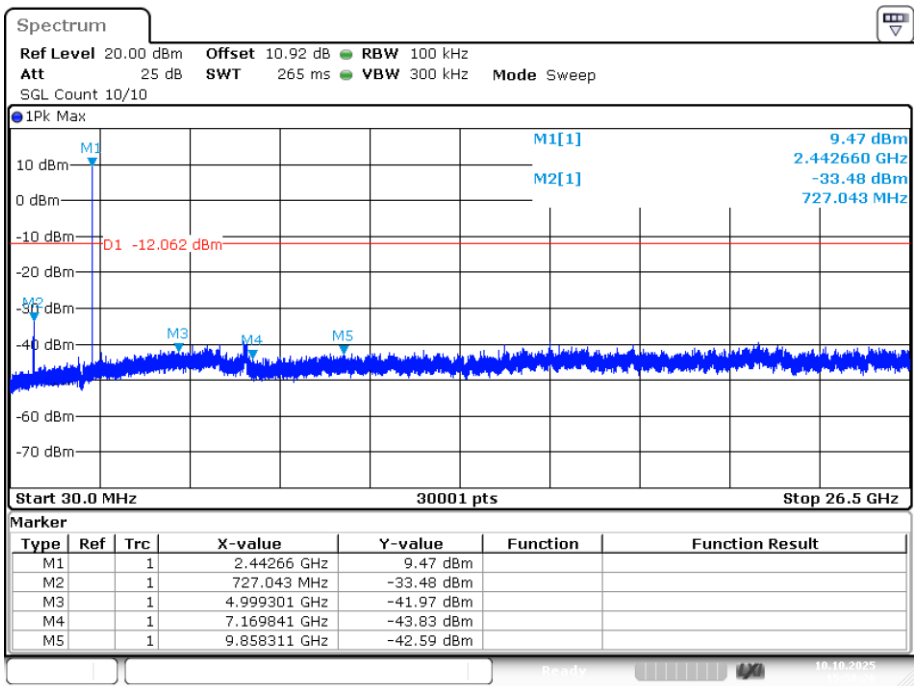
Date: 10.OCT.2025 15:59:12

Tx. Spurious NVNT 2.4G Mode 2443MHz Ant1 Ref



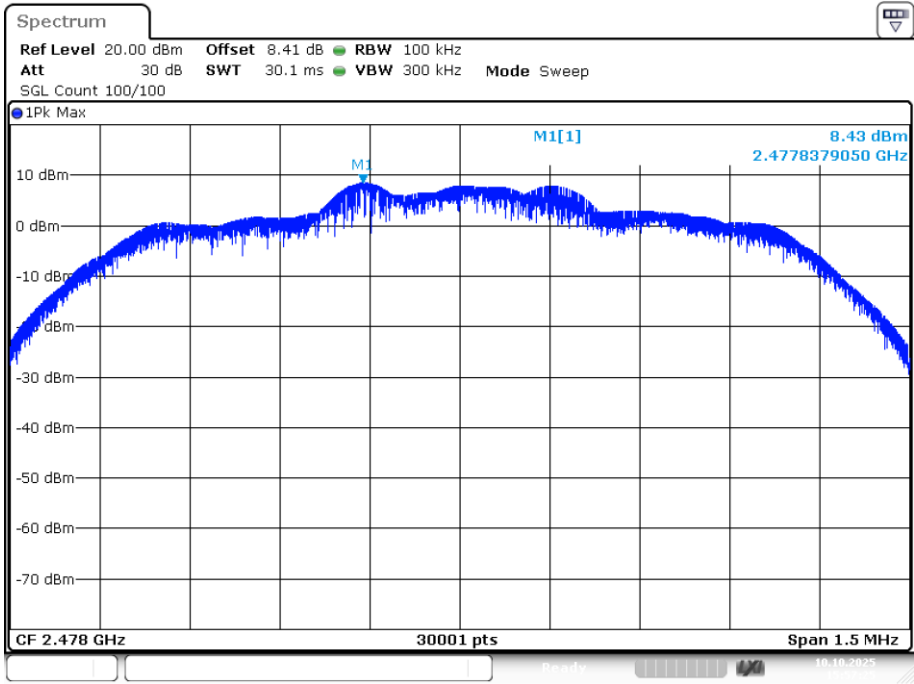
Date: 10.OCT.2025 15:58:11

Tx. Spurious NVNT 2.4G Mode 2443MHz Ant1 Emission



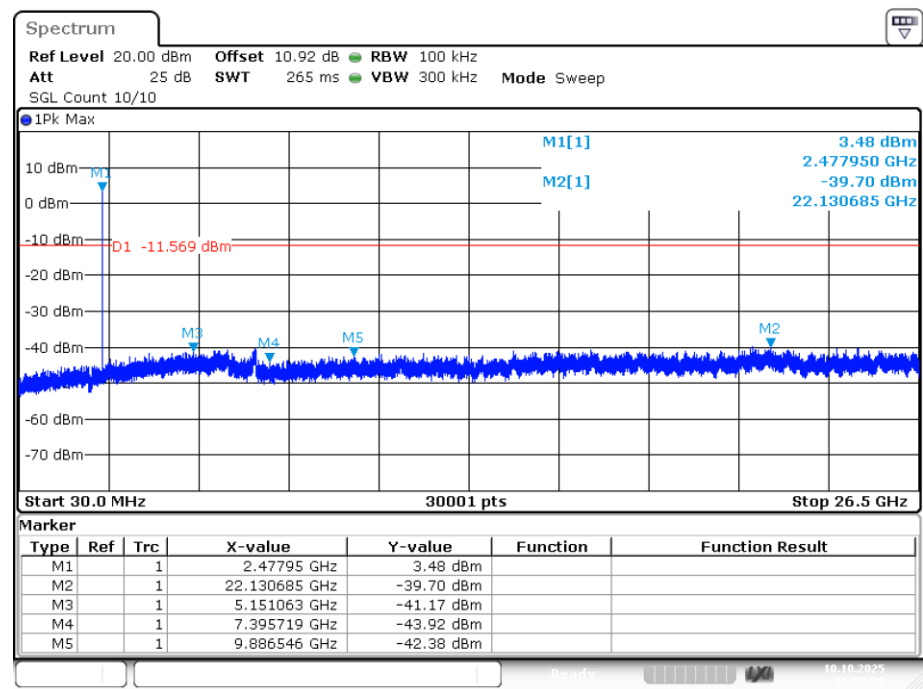
Date: 10.OCT.2025 15:58:25

Tx. Spurious NVNT 2.4G Mode 2478MHz Ant1 Ref



Date: 10.OCT.2025 15:57:25

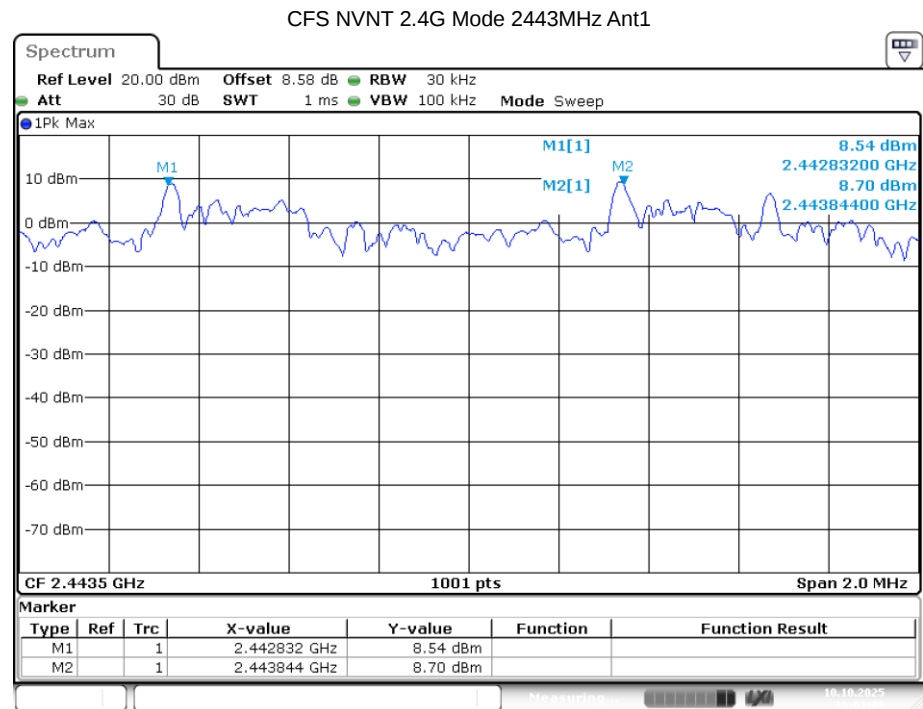
Tx. Spurious NVNT 2.4G Mode 2478MHz Ant1 Emission



Date: 10.OCT.2025 15:57:39

Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	2.4G Mode	Ant1	2442.832	2443.844	1.012	0.832	Pass

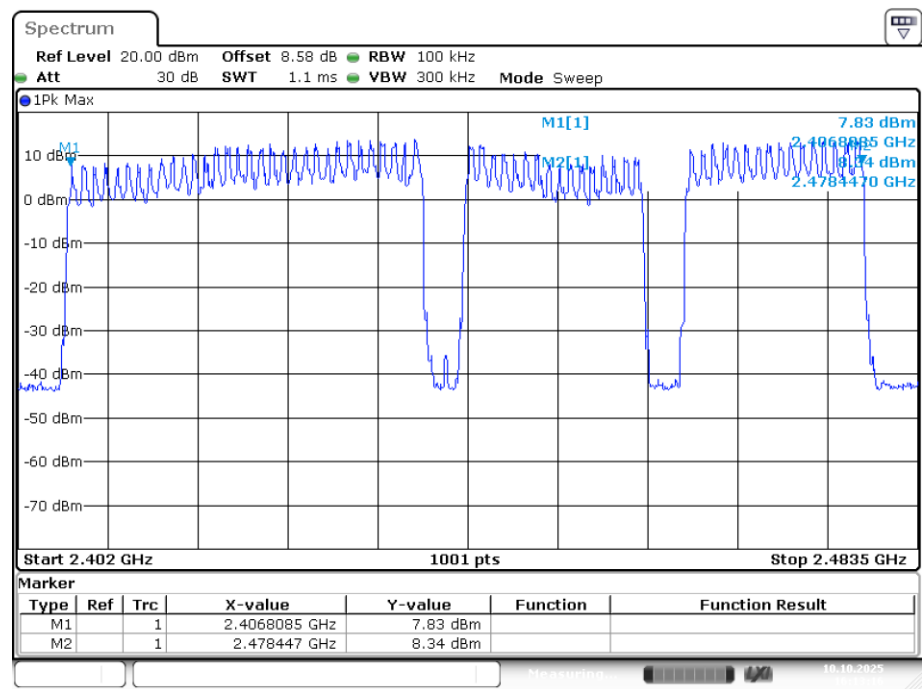


Date: 10.OCT.2025 16:01:05

Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	2.4G Mode	Ant1	64	15	Pass

Hopping No. NVNT 2.4G Mode 2443MHz Ant1

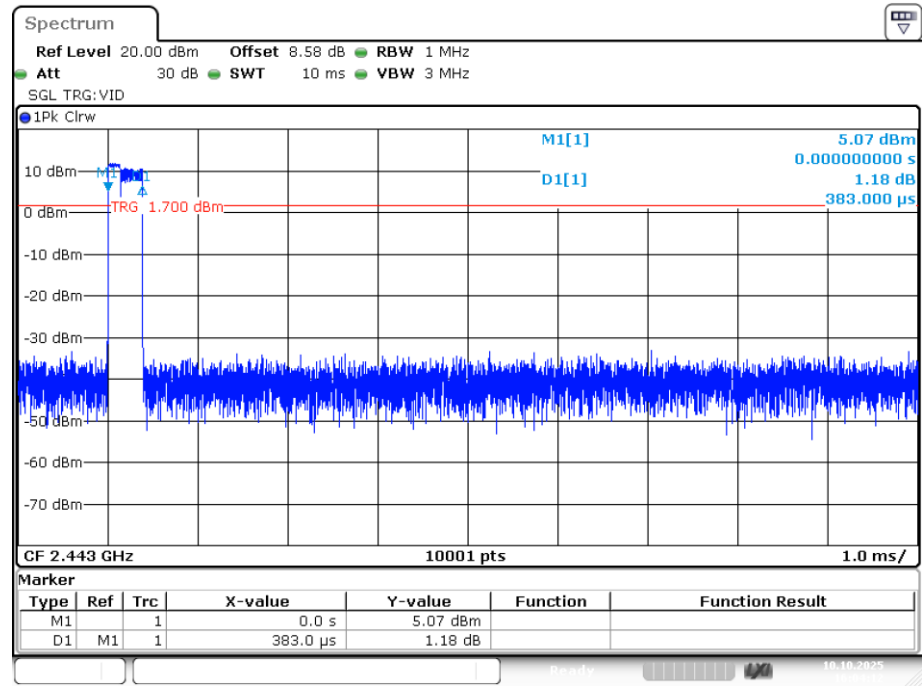


Date: 10.OCT.2025 16:13:16

Dwell Time

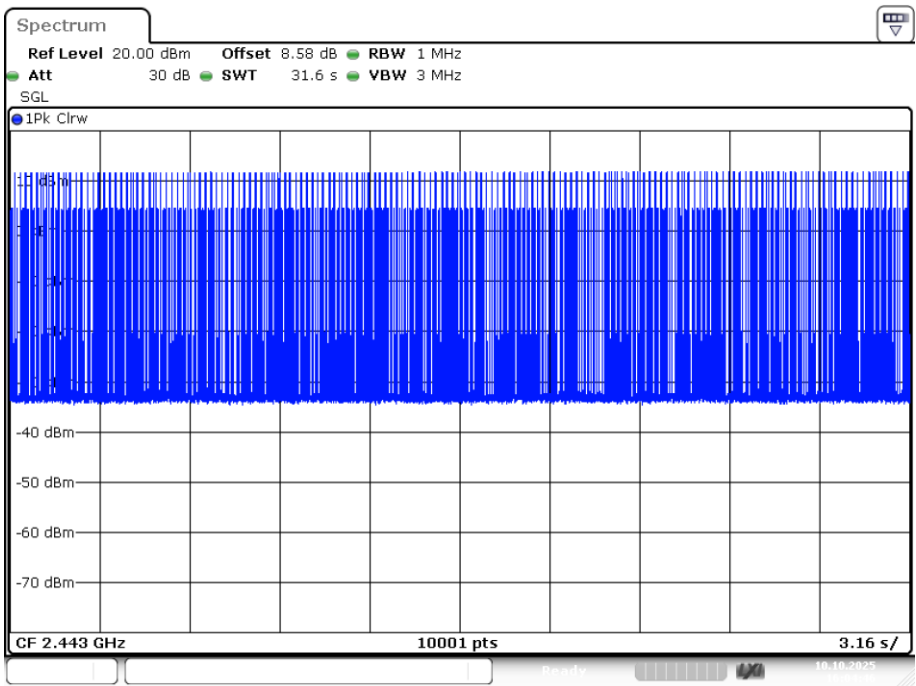
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	2.4G Mode	2443	Ant1	0.383	121.028	316	31600	400	Pass

Dwell NVNT 2.4G Mode 2443MHz Ant1 One Burst



Date: 10.OCT.2025 16:04:11

Dwell NVNT 2.4G Mode 2443MHz Ant1 Accumulated



Date: 10.OCT.2025 16:04:46

-----End Report-----