

Prüfbericht-Nr.: <i>Test report no.:</i>	CN25LU38 001	Auftrags-Nr.: <i>Order no.:</i>	326058866	Seite 1 von 82 <i>Page 1 of 82</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	1288983	Auftragsdatum: <i>Order date:</i>	2024-10-22	
Auftraggeber: <i>Client:</i>	IKEA of Sweden AB Box 702, SE-343 81 Älmhult, Sweden			
Prüfgegenstand: <i>Test item:</i>	GREJSIMOJS Mouse Speaker			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	E2498			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	FCC CFR47 Part 15, Subpart C Section 15.247 RSS-Gen Issue 5, Amendment 2, February 2021 RSS-247 Issue 3, August 2023 ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2024-12-06	Refer to photo document.		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003881280-005~006			
Prüfzeitraum: <i>Testing period:</i>	2024-12-07 ~ 2025-05-29			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	<input checked="" type="checkbox"/> <u>Hongfei Wu</u>	genehmigt von: <i>authorized by:</i>	<input checked="" type="checkbox"/> <u>Yanli Fan</u>	
Datum: <i>Date:</i>	2025-09-02 <small>Signed by: Hongfei Wu</small>	Datum: <i>Date:</i>	2025-09-02 <small>Signed by: Yanli Fan</small>	
Stellung / Position:	Sachverständige(r)/Expert	Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / Other:	FCC ID: FHO-E2498 IC: 10912A-E2498 HVIN: E2498 PMN: GREJSIMOJS			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
* Legend:	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
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Anmerkungen
Remarks

1	<p>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 Prüfbedingungen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p>
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3	<p>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.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p>
4	<p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, 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.</p> <p><i>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 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p>

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT*RESULT: Pass***5.1.2 20dB & 99% BANDWIDTH***RESULT: Pass***5.1.3 PEAK OUTPUT POWER***RESULT: Pass***5.1.4 FREQUENCY SEPARATION***RESULT: Pass***5.1.5 NUMBER OF HOPPING FREQUENCY***RESULT: Pass***5.1.6 TIME OF OCCUPANCY***RESULT: Pass***5.1.7 CONDUCTED BAND EDGE AND OUT-OF BAND EMISSIONS***RESULT: Pass***5.2.1 CONDUCTED EMISSION***RESULT: Pass***5.3.1 RADIATED BAND-EDGE***RESULT: Pass***5.3.2 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

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Shanghai) Co., Ltd.

Workshop14, North Half of Workshop 10 and Workshop 16, Pingqian (Taicang) Modern Industrial Park, No.525, Yuewang Lingang South Road, Shaxi, Taicang, Jiangsu, China

The used test equipment is in accordance with CISPR 16 for measurement of radio interference.

The Federal Communications Commission has reviewed the technical characteristics of the radiated and conducted emission facility, and has found these test facilities to be in compliance with the requirements of section 2.948 of the FCC rules. The description of the test facility is listed under FCC registration number 930979.

The Innovation, Science and Economic Development Canada has reviewed the technical characteristics of the radiated and conducted emission facility, and has found these test facilities to be in compliance. The description of the test facility is listed under chambers filing number 33038.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Equip.	Description	Model	Manufacturer	Due Date DD.MM.YYYY
EMC-C-196	Wireless connectivity tester	CMW270	Rohde & Schwarz	23.08.2025
EMC-C-302	Signal generator	SMB100B (6 GHz)	Rohde & Schwarz	10.12.2025
EMC-C-303	Vector Signal generator	SMW200A	Rohde & Schwarz	10.12.2025
EMC-C-304	OSP	OSP-B157W8	Rohde & Schwarz	10.12.2025
EMC-C-161	Spectrum analyser	FSV40	Rohde&Schwarz	15.07.2025
EMC-C-018	Double ridged horn antenna	BBHA 9120 D	Schwarzbeck	24.03.2026
EMC-C-066	EMI test receiver	ESCI	Rohde&Schwarz	27.10.2025
EMC-C-068	Broadband horn antenna	BBHA 9170	Schwarzbeck	18.06.2028
EMC-C-155	BiLog antenna	CBL 6112D	Teseq	24.03.2026
EMC-C-175	Preamplifier	EMC051845SE	EMCI Taiwan	24.07.2025
EMC-C-001	3 m semi-anechoic chamber	SAC3	Frankonia	03.12.2026
EMC-C-141	Shielded enclosure	10.055x3.605x3.000	Frankonia	08.11.2028
EMC-C-195	EMI test receiver	ESR3	Rohde&Schwarz	03.08.2025
EMC-C-190	Artificial mains network	ENV432	Rohde&Schwarz	11.10.2025
software				
EMC-S-036	RF measurement software	WMS32-WB (11.40.00)	Rohde&Schwarz	NA
EMC-S-032	EMI measurement software	EMC32-E+ (10.60.20)	Rohde&Schwarz	NA
EMC-S-028	EMI measurement software	EMC32-MEB (10.60.20)	Rohde&Schwarz	NA

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

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

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Measurement Type	Frequency	Uncertainty
Antenna Port Conducted Emission	< 1GHz	±0.39dB
	> 1GHz	±0.68dB
Conducted Emission	150kHz - 30MHz	±2.33dB
Radiated Emission	9kHz - 30MHz	±2.93dB
	30MHz - 1GHz	±5.34dB
	> 1GHz	±5.40dB

3. General Product Information

3.1 Product Function and Intended Use

The EUT (Equipment Under Test) is a speaker which supports Bluetooth and 2.4GHz proprietary function.

The aim of this report is to evaluate RF character of Bluetooth of the EUT.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Description of EUT	
Product Name:	GREJSIMOJS Mouse Speaker
Model No.:	E2498
Operation Voltage:	DC 5V (USB Type C) DC 3.6V (Li-ion Battery)
Test Voltage:	DC 3.3V for RF conducted and radiated test AC 120V, 60Hz for conducted emission test
RF Technical:	1) Bluetooth Classic 2) 2.4 GHz proprietary
Technical Specification of Bluetooth Classic	
Frequency Range:	2402~2480MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Antenna Type:	PCB Antenna
Antenna Gain:	1.5 dBi (declared by client)

Table 4: RF Channel List

RF Channel	Frequency [MHz]						
00	2402	20	2422	40	2442	60	2462
01	2403	21	2423	41	2443	61	2463
02	2404	22	2424	42	2444	62	2464
03	2405	23	2425	43	2445	63	2465
04	2406	24	2426	44	2446	64	2466
05	2407	25	2427	45	2447	65	2467
06	2408	26	2428	46	2448	66	2468
07	2409	27	2429	47	2449	67	2469
08	2410	28	2430	48	2450	68	2470
09	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	/	/

3.3 Independent Operation Modes

Test frequencies are lowest channel: 2402 MHz, middle channel: 2441 MHz, highest channel: 2480 MHz and hopping mode.

The basic operation modes are:

- A. Bluetooth Classic transmitting mode
- B. Radio operating mode

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power 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 testing were performed according to the procedures in ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024.

Test Software: Telink BDT, V5.7.4

Table 5: Power parameter value

Mode	Power Parameter Setting Value
BR	7.65
EDR	-0.01

4.3 Special Accessories and Auxiliary Equipment

Table 6: Special Accessories

Accessories	Parameter
RF Cable between the antenna port and test system	Cable loss: 0.5dB

Note: The RF cable used in the test was provided by

Client

Test Lab

And the cable loss has been factored in the related test.

Table 7: Auxiliary Equipment

Equipment	Manufacturer	Model Name
Laptop	Lenovo	21AJ-S57N0J
Cell phone	Huawei	STF-AL10
USB charger	IKEA	E2301-EU

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4.4 Countermeasures to achieve EMC Compliance

Null.

5. Test Results

5.1 Conducted Testing at Antenna Port

5.1.1 Antenna Requirement

RESULT: **Pass**

According to the manufacturer declared, the EUT has one PCB antenna, the directional gain of antenna is 1.5 dBi and the antenna is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Table 8: Antenna Requirement

FCC 15.203 – Antenna Requirement 1	
Requirement:	No antenna other than that furnished by the responsible party shall be used with the device
Results:	Antenna type: PCB antenna
Verdict:	Pass
FCC 15.204 – Antenna Requirement 2	
Requirement:	An intentional radiator may be operated only with the antenna with which it is authorized. If an antenna is marketed with the intentional radiator, it shall be of a type which is authorized with the intentional radiator.
Results:	Only one PCB antenna can be used
Verdict:	Pass
RSS-Gen 6.4 – External Control	
Requirement:	The device shall not have any external controls accessible to the user that enable it to be adjusted, selected or programmed to operate in violation of the regulatory requirements, including RSS-Gen and the applicable RSSs
Results:	The device does not have any transmitter external controls accessible to the user that can be adjusted and operated in violation of the limits of this standard.
Verdict:	PASS

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Page 14 of 82**RSS-Gen 6.8 – Antenna Requirement**

Requirement: When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer.

Results:

a) Antenna Type:	PCB Antenna
b) Manufacture:	N/A
c) Model No.:	N/A
d) Gain with reference to an isotropic radiator:	1.5 dBi

Verdict: PASS

5.1.2 20dB & 99% Bandwidth**RESULT:****Pass**

Date of testing : 2025-05-08
Ambient temperature : 21.7°C
Relative humidity : 49.8%
Atmospheric pressure : 101kPa
Test requirement : FCC Part 15.247(a)(1)
RSS-247 Issue 3, August 2023, Clause 5.1(a)
RSS-Gen Issue 5, Amendment 2, February 2021,
Clause 6.7
Test procedure : ANSI C63.10-2020+Cor. 1-2023+C63.10a-
2024+Errata to C63.10a-2024
Test voltage : DC 3.3V
Test modes applied : A

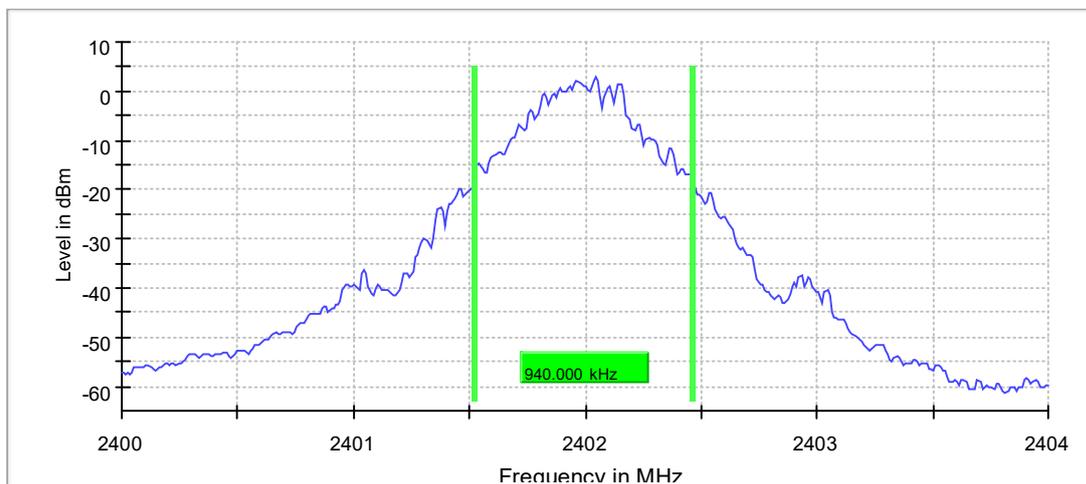
Emission Bandwidth 20 dB (1-DH5, 2402 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.940000	---	---	2401.525000	2402.465000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	3.1	PASS

20 dB Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	10 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.09 dB	0.50 dB

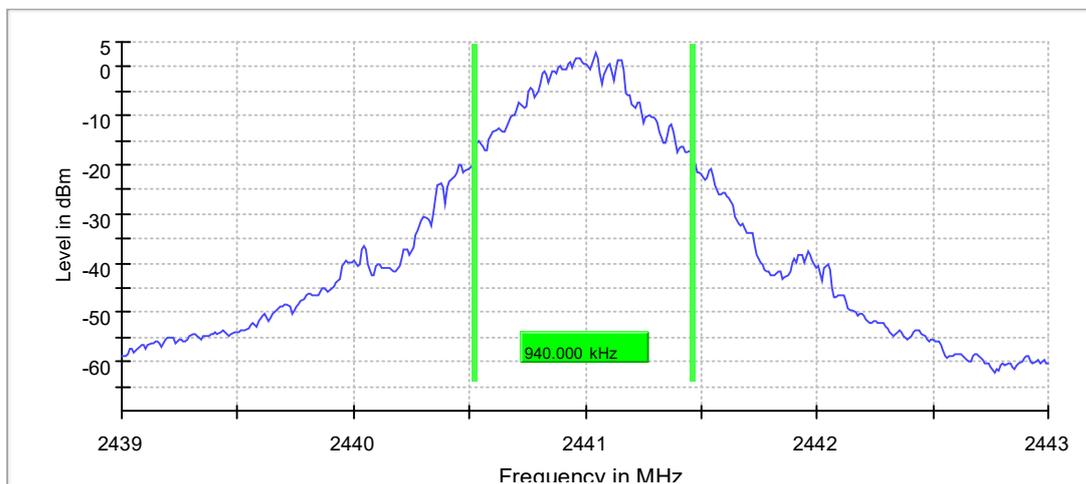
Emission Bandwidth 20 dB (1-DH5, 2441 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	0.940000	---	---	2440.525000	2441.465000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	2.7	PASS

20 dB Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	9 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.50 dB

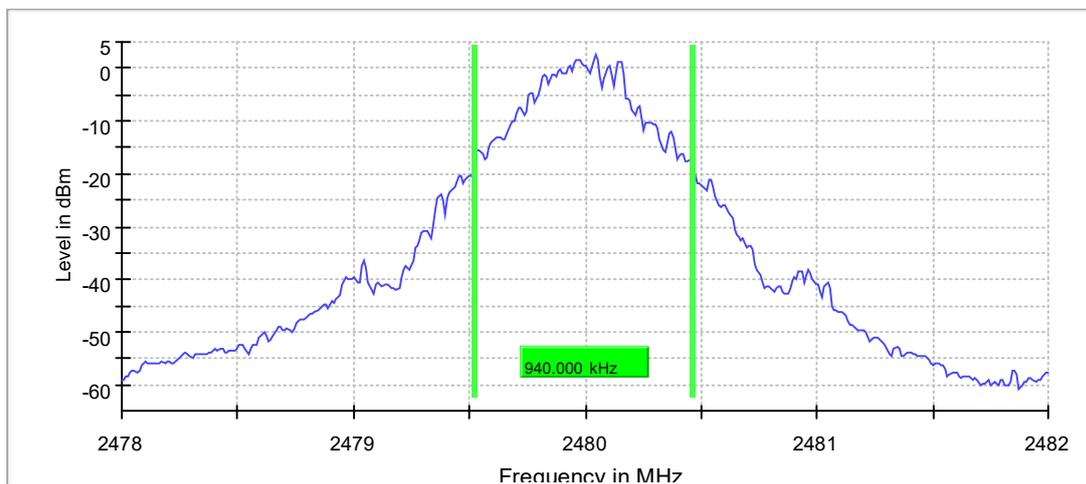
Emission Bandwidth 20 dB (1-DH5, 2480 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.940000	---	---	2479.525000	2480.465000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	2.5	PASS

20 dB Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	11 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.09 dB	0.50 dB

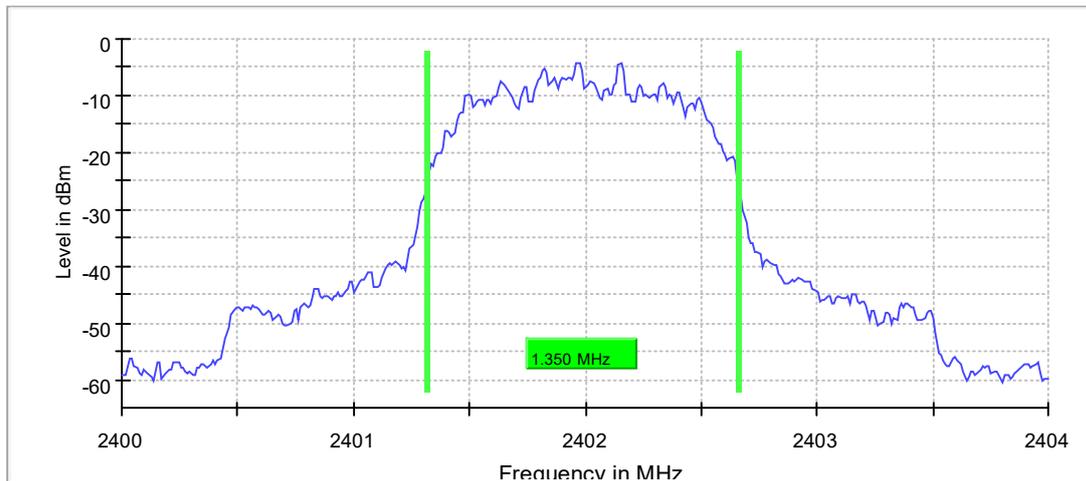
Emission Bandwidth 20 dB (2-DH5, 2402 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.350000	---	---	2401.315000	2402.665000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-4.2	PASS

20 dB Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	15 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.09 dB	0.50 dB

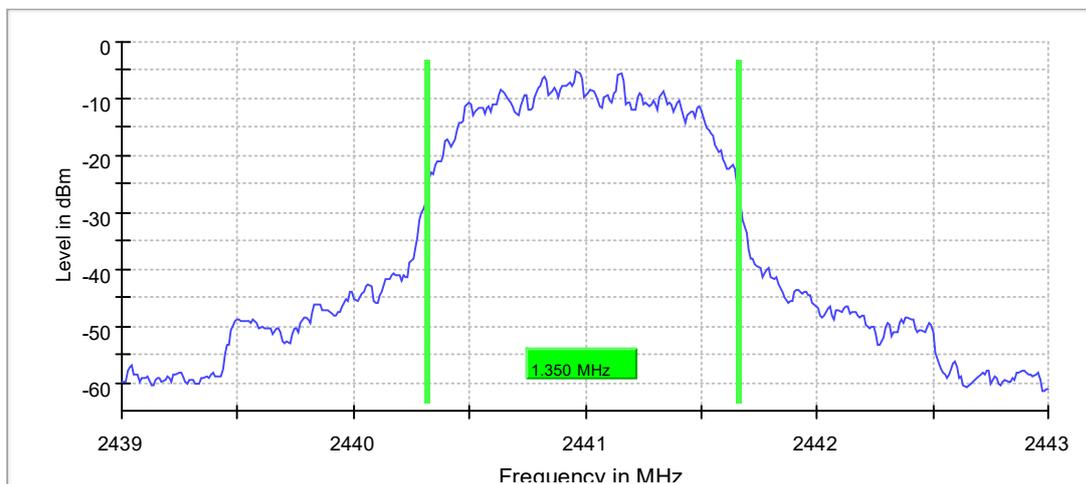
Emission Bandwidth 20 dB (2-DH5, 2441 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.350000	---	---	2440.315000	2441.665000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-5.3	PASS

20 dB Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	11 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.36 dB	0.50 dB

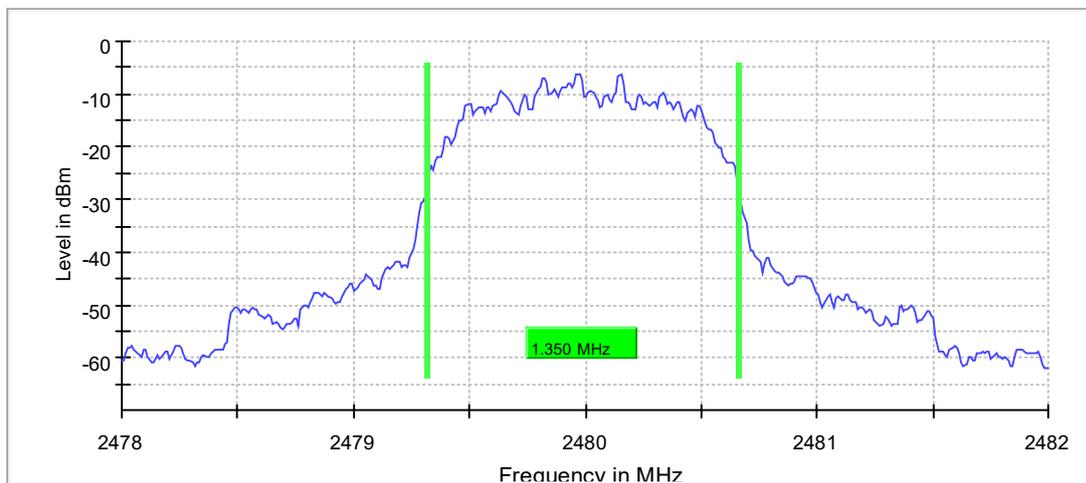
Emission Bandwidth 20 dB (2-DH5, 2480 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.350000	---	---	2479.315000	2480.665000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-6.2	PASS

20 dB Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	11 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.13 dB	0.50 dB

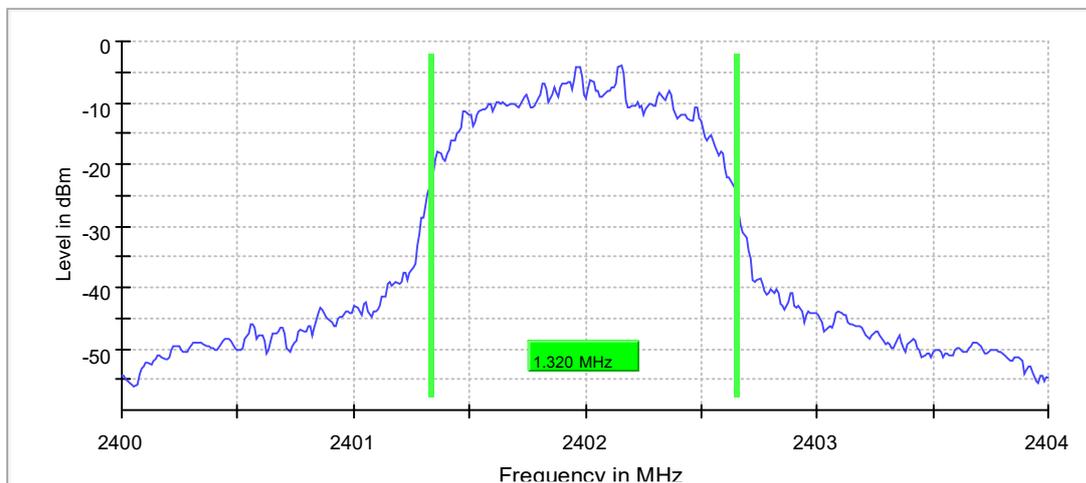
Emission Bandwidth 20 dB (3-DH5, 2402 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.320000	---	---	2401.335000	2402.655000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-4.0	PASS

20 dB Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	12 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.11 dB	0.50 dB

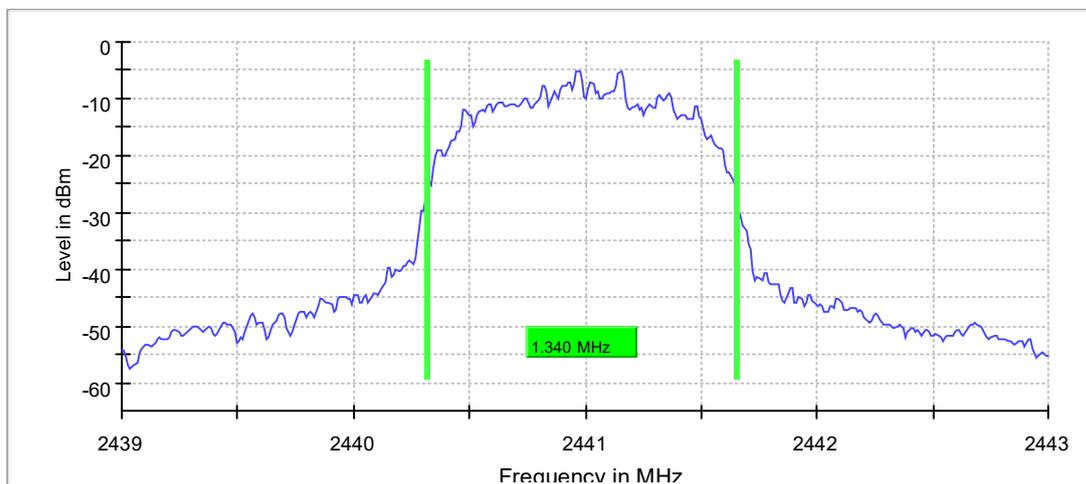
Emission Bandwidth 20 dB (3-DH5, 2441 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.340000	---	---	2440.315000	2441.655000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-5.2	PASS

20 dB Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	10 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.16 dB	0.50 dB

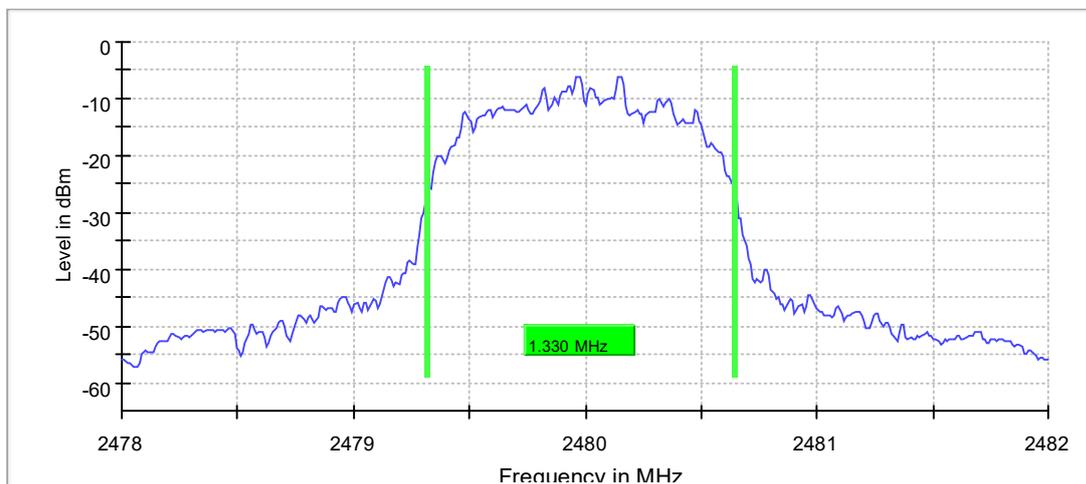
Emission Bandwidth 20 dB (3-DH5, 2480 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.330000	---	---	2479.315000	2480.645000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-6.1	PASS

20 dB Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	14 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.11 dB	0.50 dB

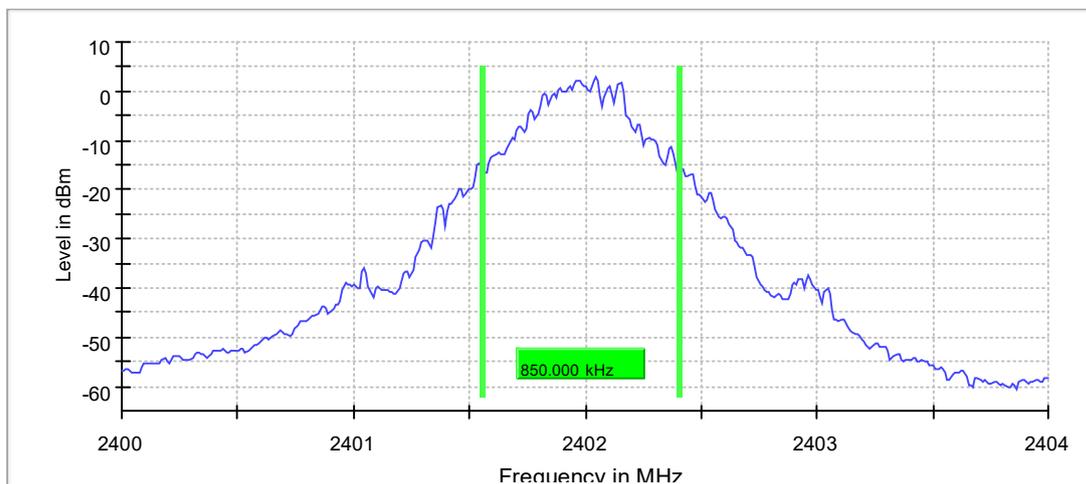
Emission Bandwidth 99% (1-DH5, 2402 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.850000	---	---	2401.555000	2402.405000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.10 dB	0.30 dB

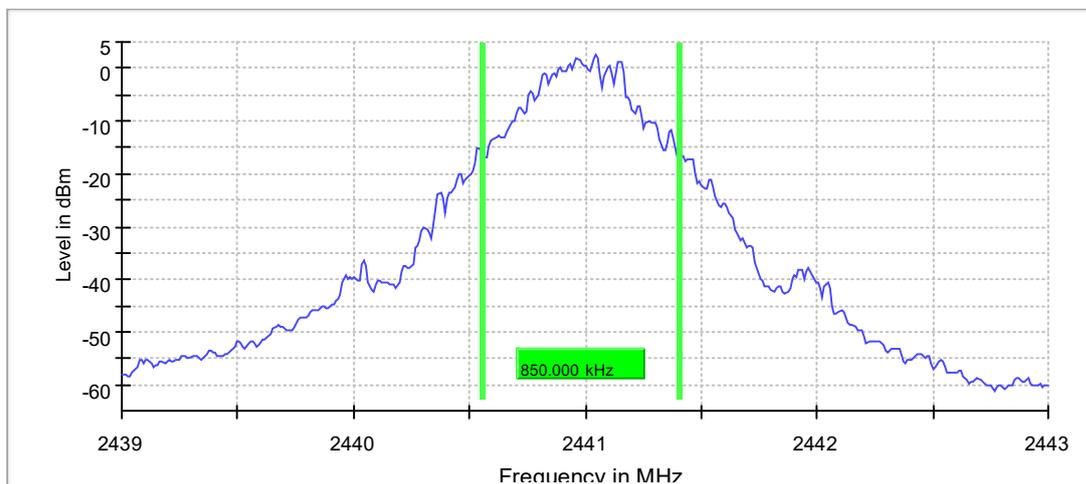
Emission Bandwidth 99% (1-DH5, 2441 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	0.850000	---	---	2440.555000	2441.405000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	6 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.08 dB	0.30 dB

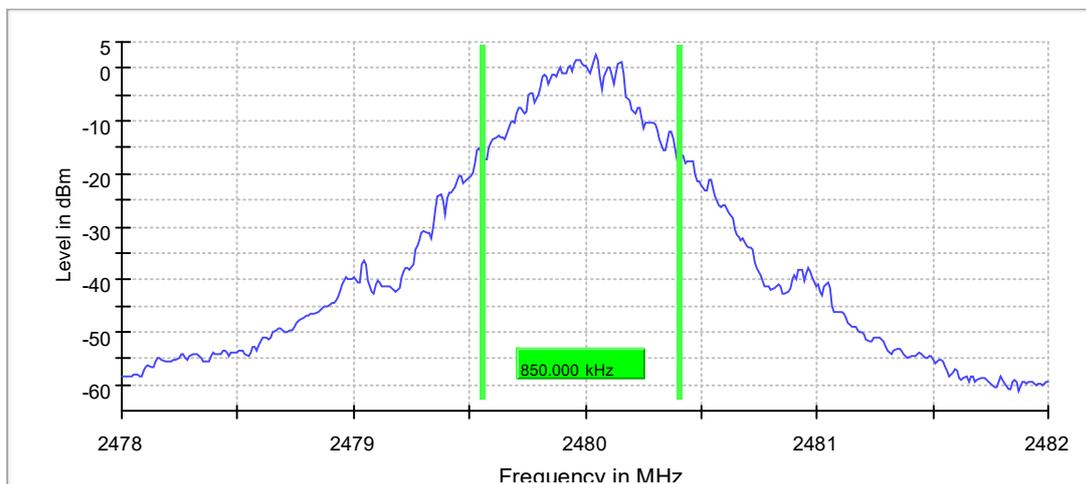
Emission Bandwidth 99% (1-DH5, 2480 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.850000	---	---	2479.555000	2480.405000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	6 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.10 dB	0.30 dB

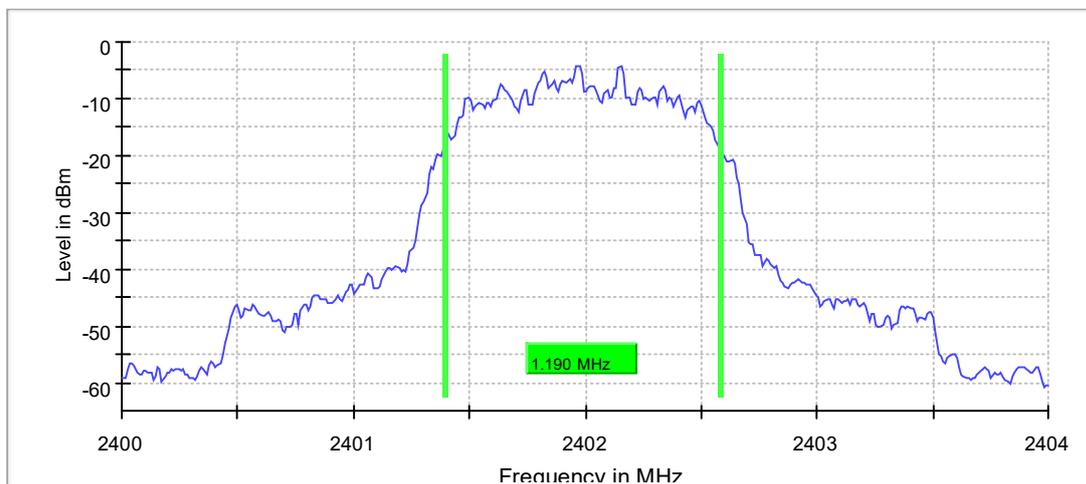
Emission Bandwidth 99% (2-DH5, 2402 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.190000	---	---	2401.395000	2402.585000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.08 dB	0.30 dB

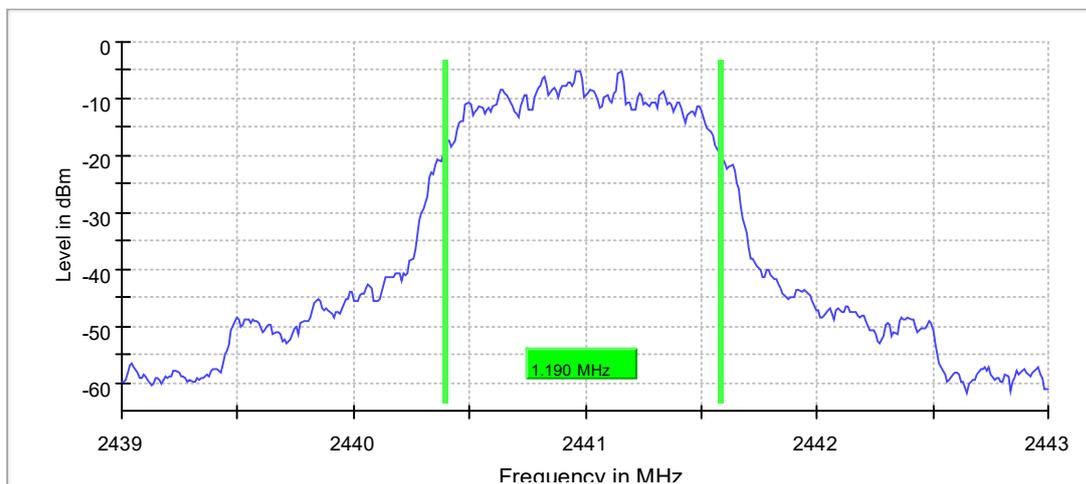
Emission Bandwidth 99% (2-DH5, 2441 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.190000	---	---	2440.395000	2441.585000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.09 dB	0.30 dB

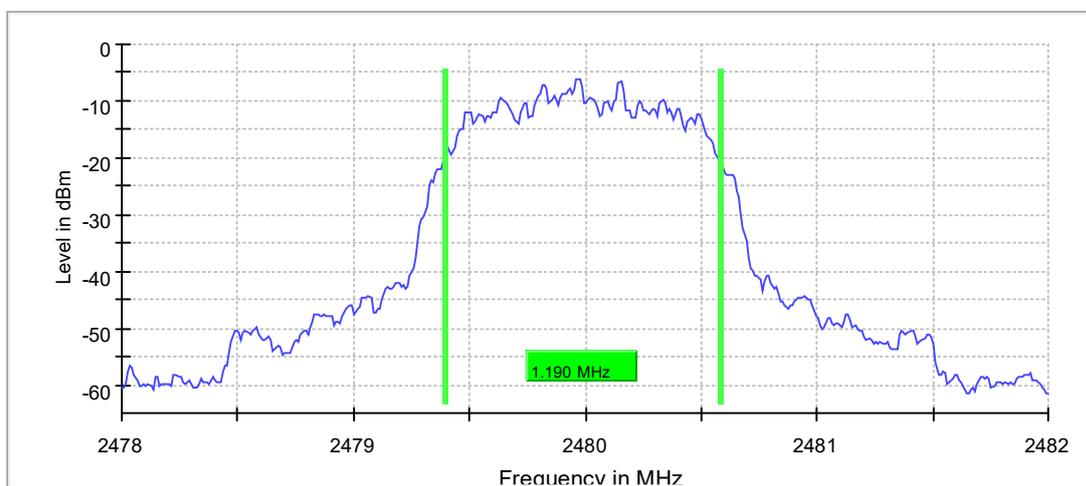
Emission Bandwidth 99% (2-DH5, 2480 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.190000	---	---	2479.395000	2480.585000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.16 dB	0.30 dB

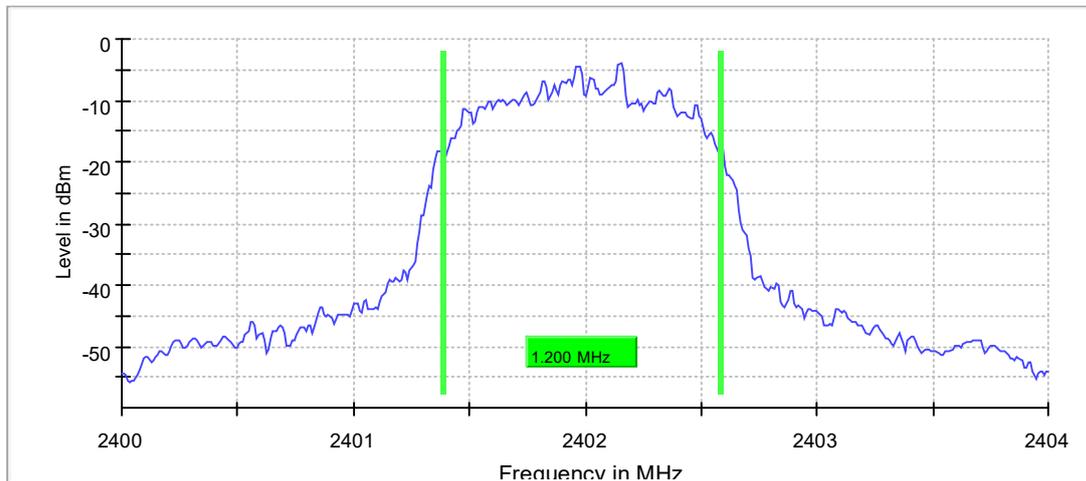
Emission Bandwidth 99% (3-DH5, 2402 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.200000	---	---	2401.385000	2402.585000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	7 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.14 dB	0.30 dB

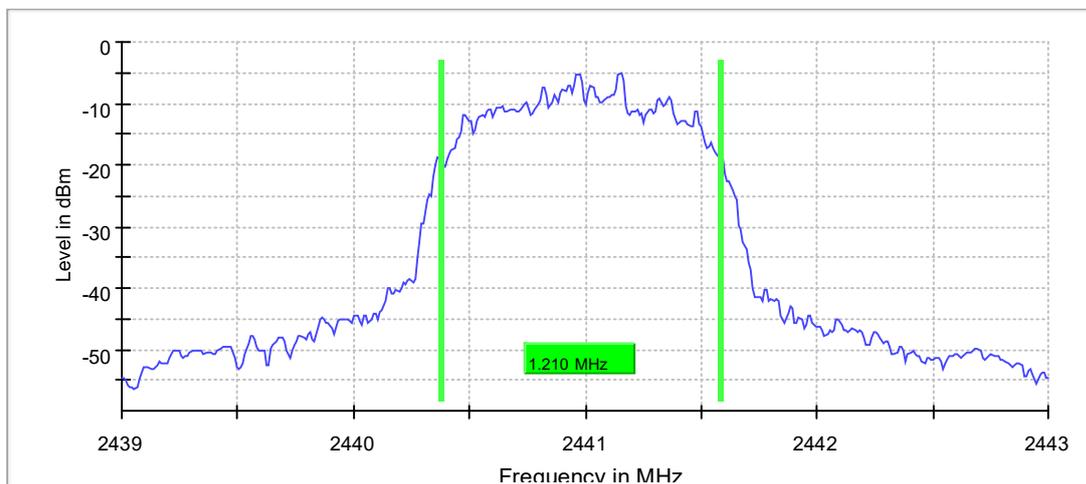
Emission Bandwidth 99% (3-DH5, 2441 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.210000	---	---	2440.375000	2441.585000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	8 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.05 dB	0.30 dB

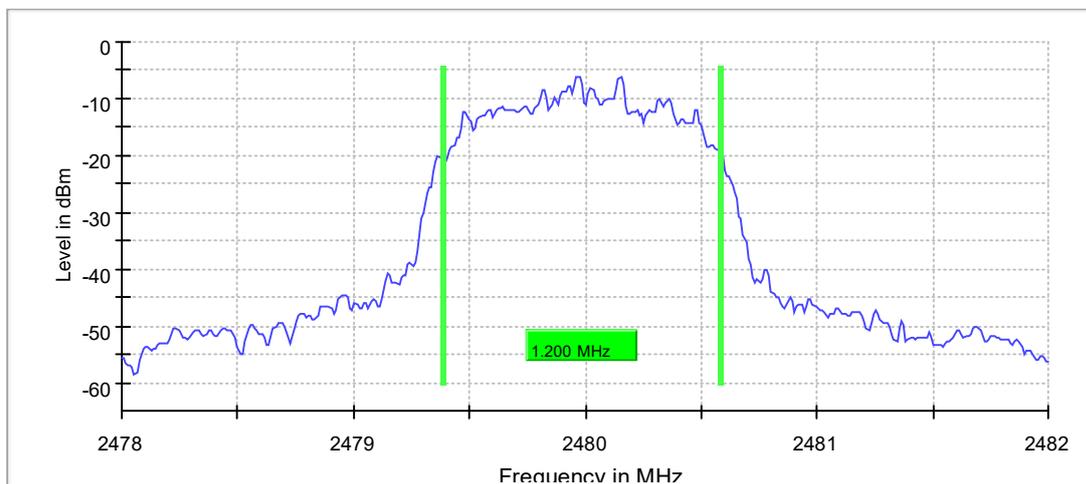
Emission Bandwidth 99% (3-DH5, 2480 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.200000	---	---	2479.385000	2480.585000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS

99 % Bandwidth


Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	5 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.20 dB	0.30 dB

5.1.4 Frequency Separation

RESULT:**Pass**

Date of testing	:	2025-05-08
Ambient temperature	:	21.7°C
Relative humidity	:	49.8%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(a)(1) RSS-247 Issue 3, August 2023, Clause 5.1(b)
Test procedure	:	ANSI C63.10-2020+Cor. 1-2023+C63.10a- 2024+Errata to C63.10a-2024
Test voltage	:	DC 3.3V
Test modes applied	:	A

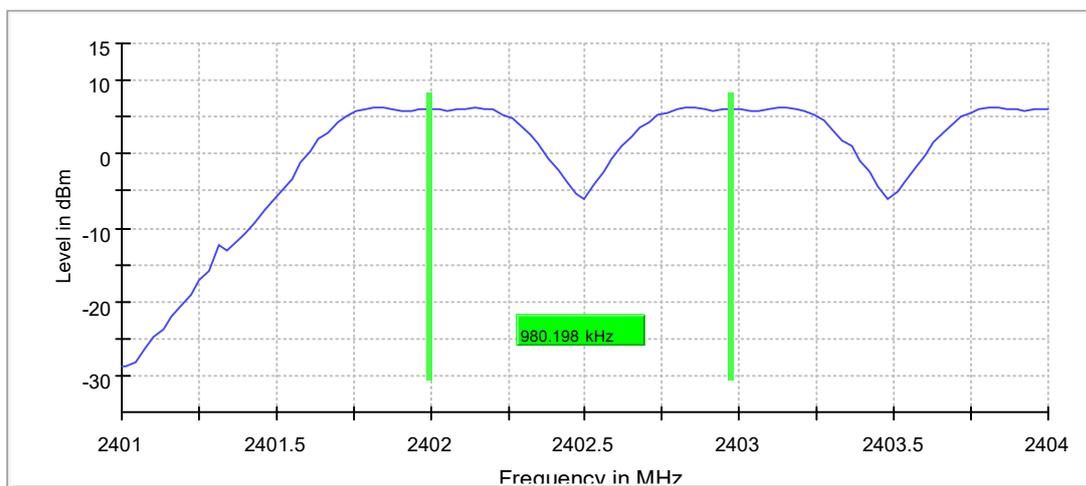
Carrier Frequency Separation (1-DH5, 2402 MHz)

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2402.000000	0.980198	0.620000	---	2401.995050	2402.975248

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
Sweeptime	1.000 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	21 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.50 dB

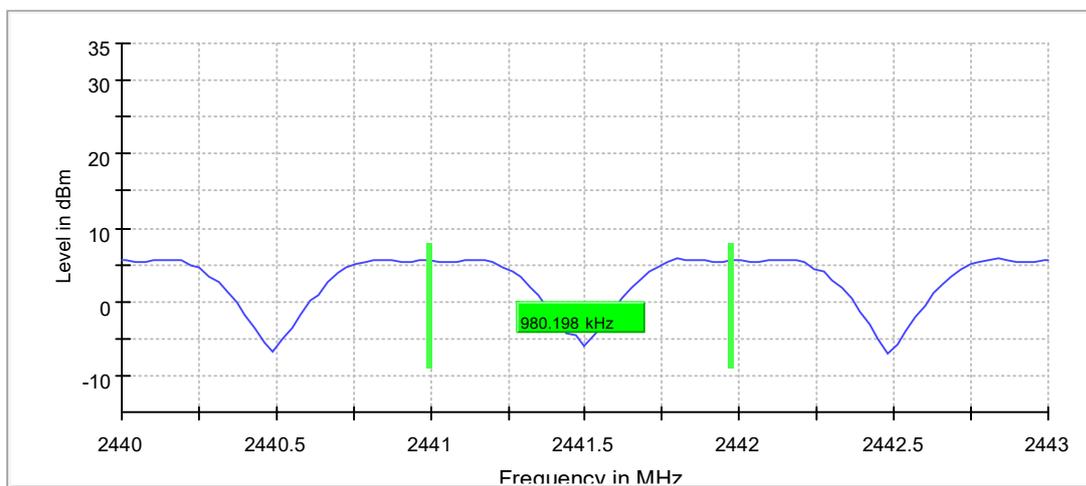
Carrier Frequency Separation (1-DH5, 2441 MHz)

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2441.000000	0.980198	0.620000	---	2440.995050	2441.975248

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
Sweeptime	1.000 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	14 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.50 dB

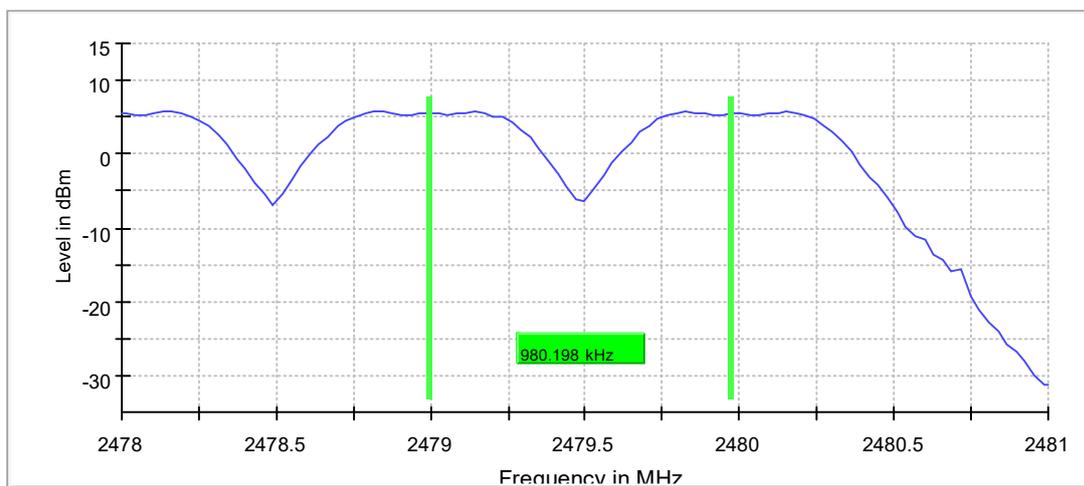
Carrier Frequency Separation (1-DH5, 2480 MHz)

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2480.000000	0.980198	0.620000	---	2478.995050	2479.975248

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
Sweeptime	1.000 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	29 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.14 dB	0.50 dB

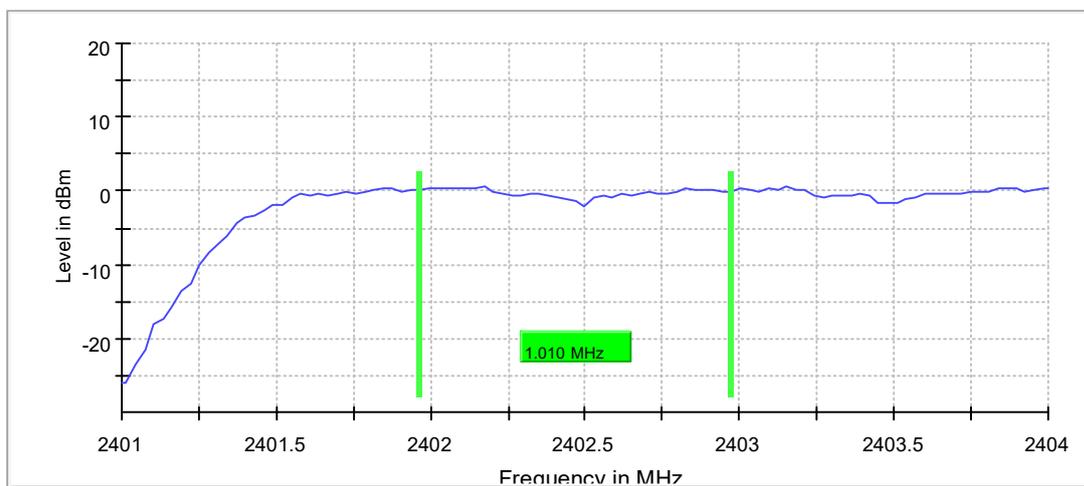
Carrier Frequency Separation (2-DH5, 2402 MHz)

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2402.000000	1.009901	0.886667	---	2401.965347	2402.975248

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
Sweeptime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	34 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.16 dB	0.50 dB

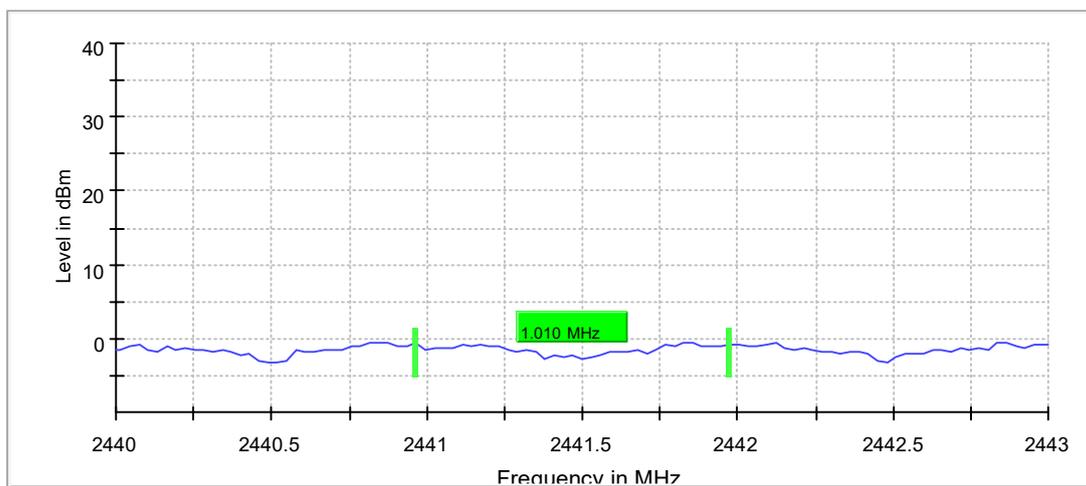
Carrier Frequency Separation (2-DH5, 2441 MHz)

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2441.000000	1.009901	0.886667	---	2440.965347	2441.975248

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
Sweeptime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	17 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.50 dB

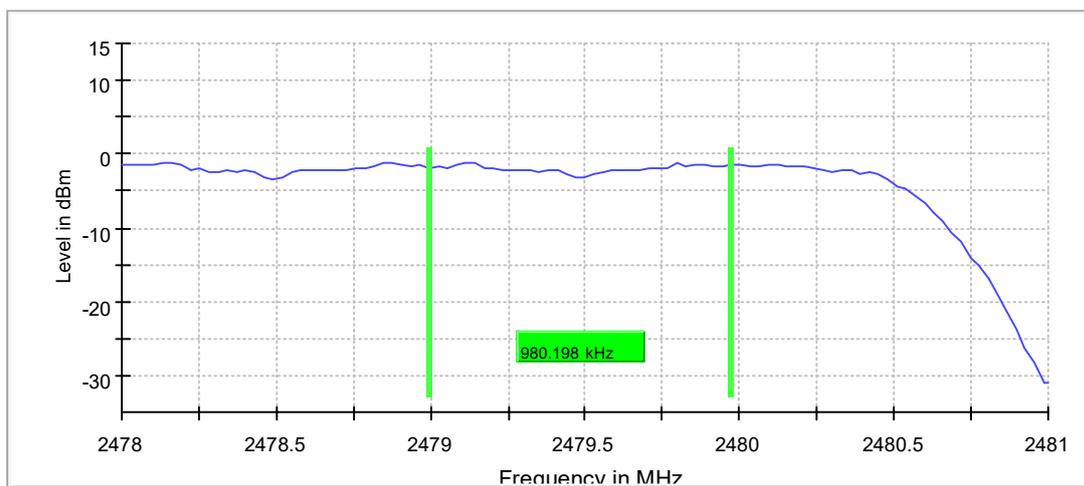
Carrier Frequency Separation (2-DH5, 2480 MHz)

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2480.000000	0.980198	0.886667	---	2478.995050	2479.975248

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
Sweeptime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	49 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.04 dB	0.50 dB

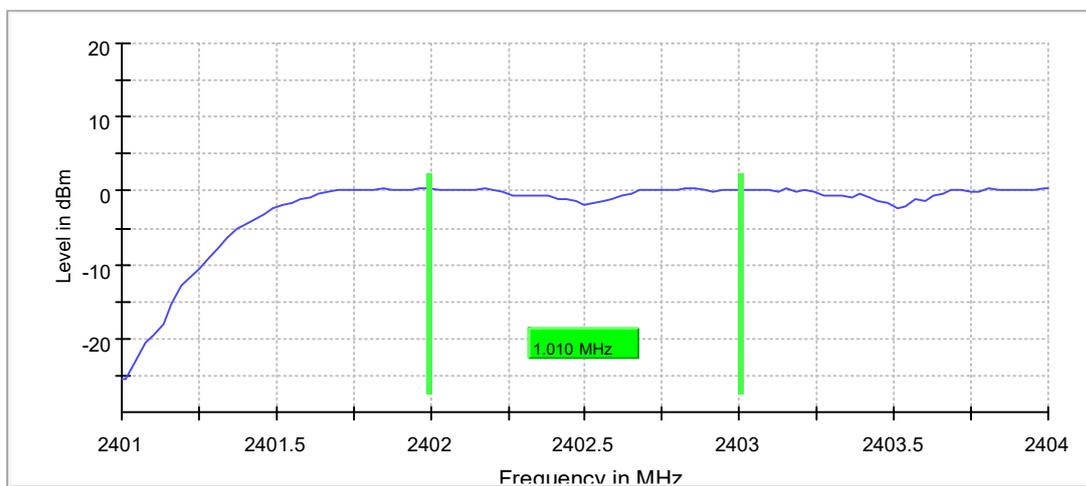
Carrier Frequency Separation (3-DH5, 2402 MHz)

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2402.000000	1.009900	0.896667	---	2401.995050	2403.004950

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
Sweeptime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	32 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.29 dB	0.50 dB

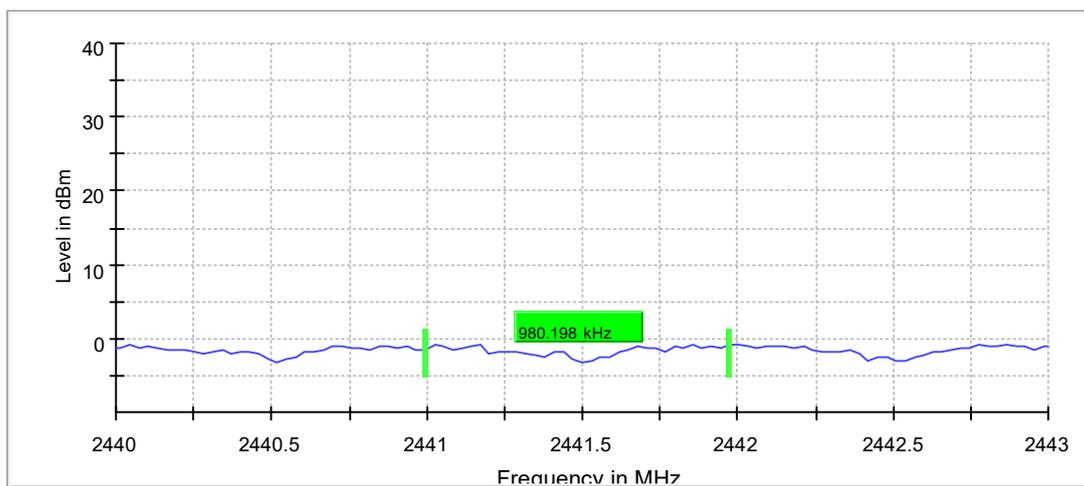
Carrier Frequency Separation (3-DH5, 2441 MHz)

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2441.000000	0.980198	0.893333	---	2440.995050	2441.975248

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
Sweeptime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	11 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.50 dB

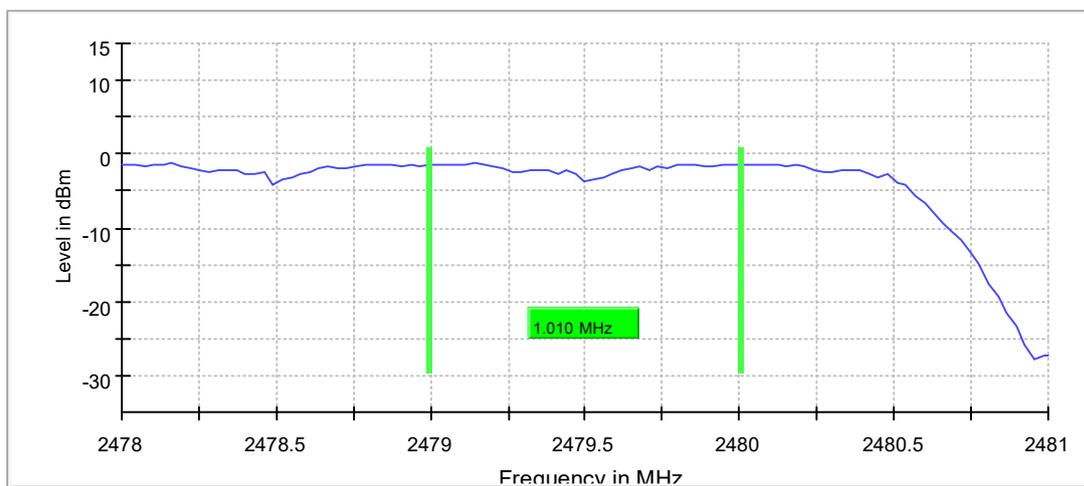
Carrier Frequency Separation (3-DH5, 2480 MHz)

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2480.000000	1.009900	0.880000	---	2478.995050	2480.004950

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
Sweeptime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	58 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.50 dB

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5.1.5 Number of Hopping Frequency

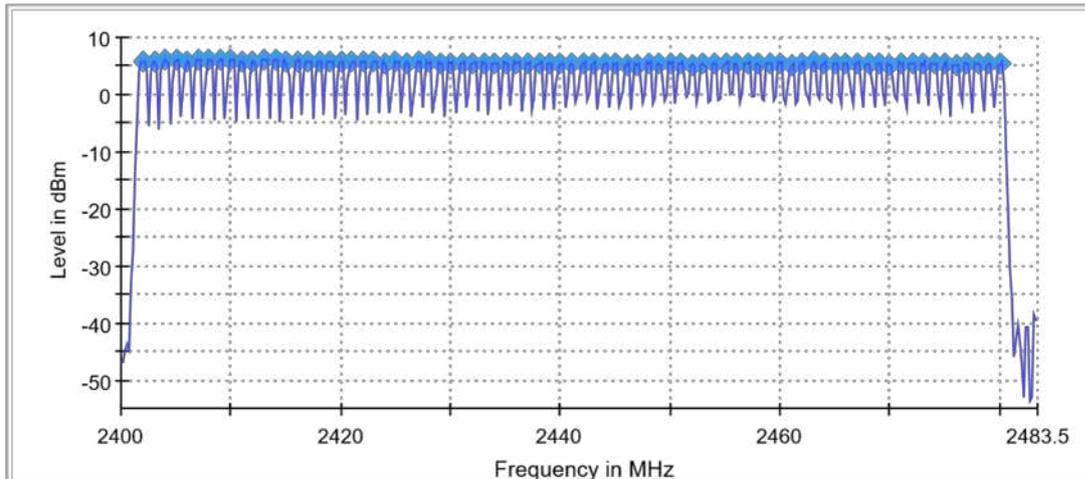
RESULT:**Pass**

Date of testing : 2025-05-08
Ambient temperature : 21.7°C
Relative humidity : 49.8%
Atmospheric pressure : 101kPa
Test requirement : FCC 15.247(a)(1)(iii)
RSS-247 Issue 3, August 2023, Clause 5.1(d)
Test procedure : ANSI C63.10-2020+Cor. 1-2023+C63.10a-
2024+Errata to C63.10a-2024
Test voltage : DC 3.3V
Test modes applied : A

Hopping Frequencies (1-DH5)

Channels	Limit Min	Limit Max	Result
79	15	---	PASS

Sequence



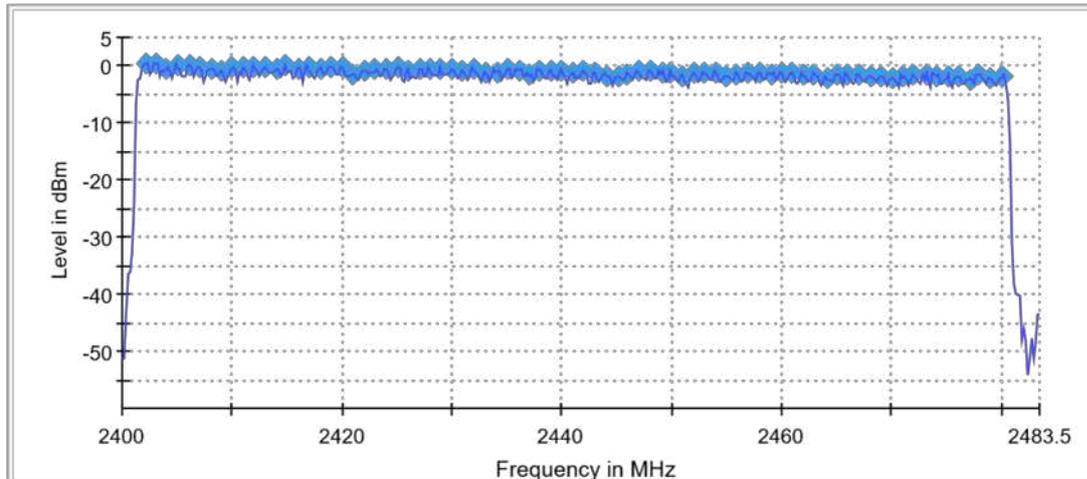
Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	200.000 kHz	<= 299.000 kHz
VBW	200.000 kHz	>= 200.000 kHz
SweepPoints	418	~ 418
Sweeptime	1.060 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	99 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.39 dB	0.50 dB

Hopping Frequencies (2-DH5)

Channels	Limit Min	Limit Max	Result
79	15	---	PASS

Sequence



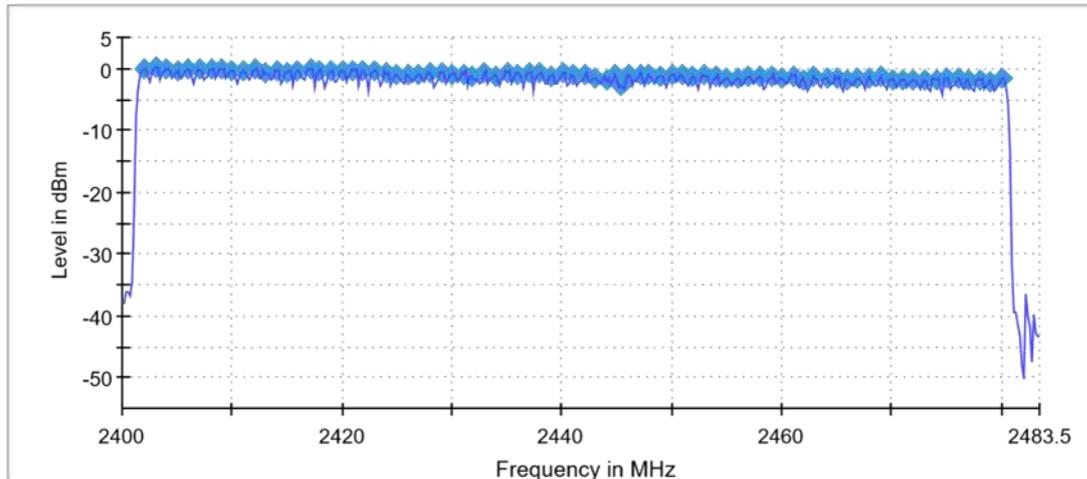
Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	200.000 kHz	<= 299.000 kHz
VBW	200.000 kHz	>= 200.000 kHz
SweepPoints	418	~ 418
Sweeptime	1.060 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	122 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.36 dB	0.50 dB

Hopping Frequencies (3-DH5)

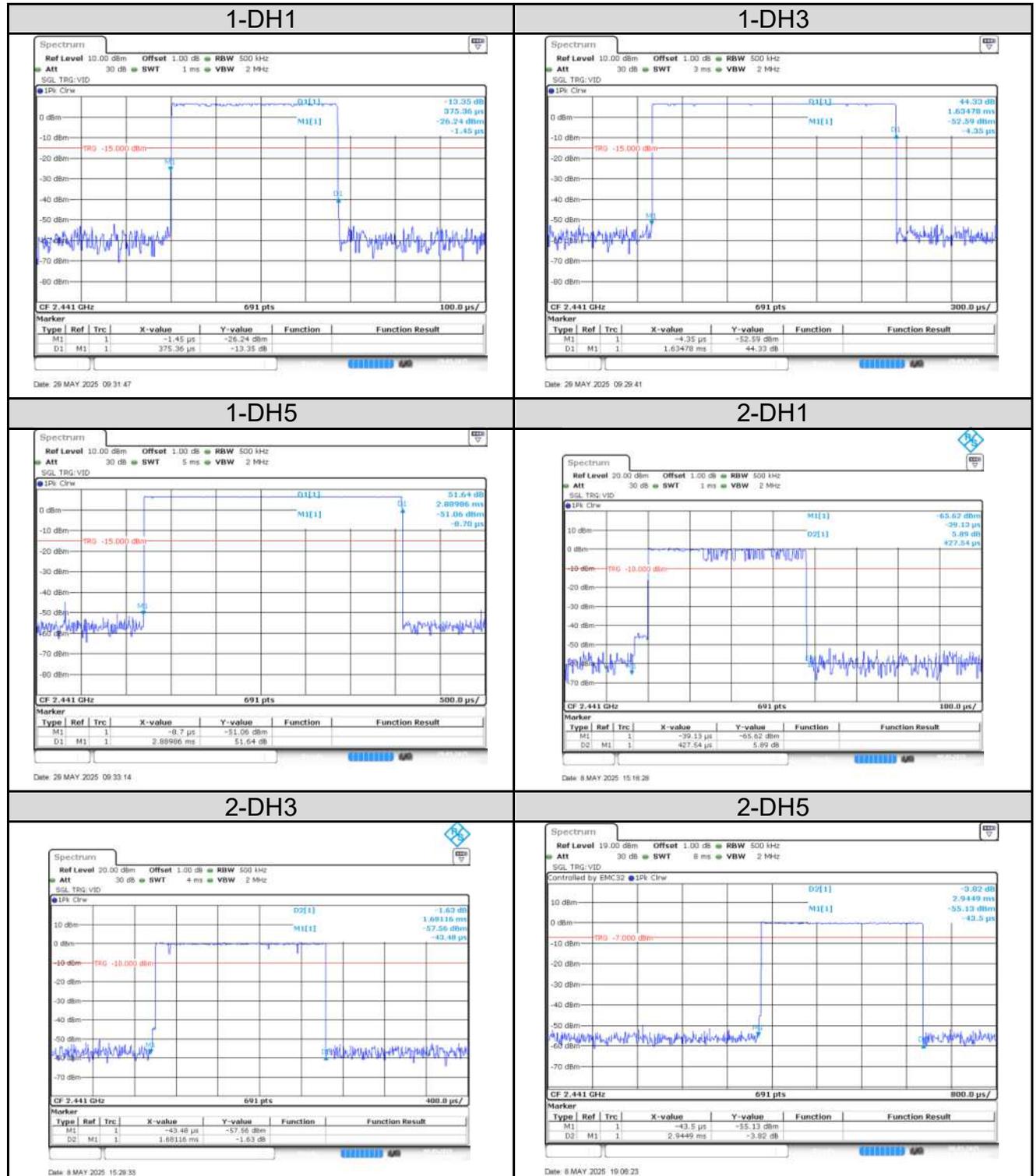
Channels	Limit Min	Limit Max	Result
79	15	---	PASS

Sequence



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	200.000 kHz	<= 299.000 kHz
VBW	200.000 kHz	>= 200.000 kHz
SweepPoints	418	~ 418
Sweeptime	1.060 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	123 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Figure 1: Dwell Time


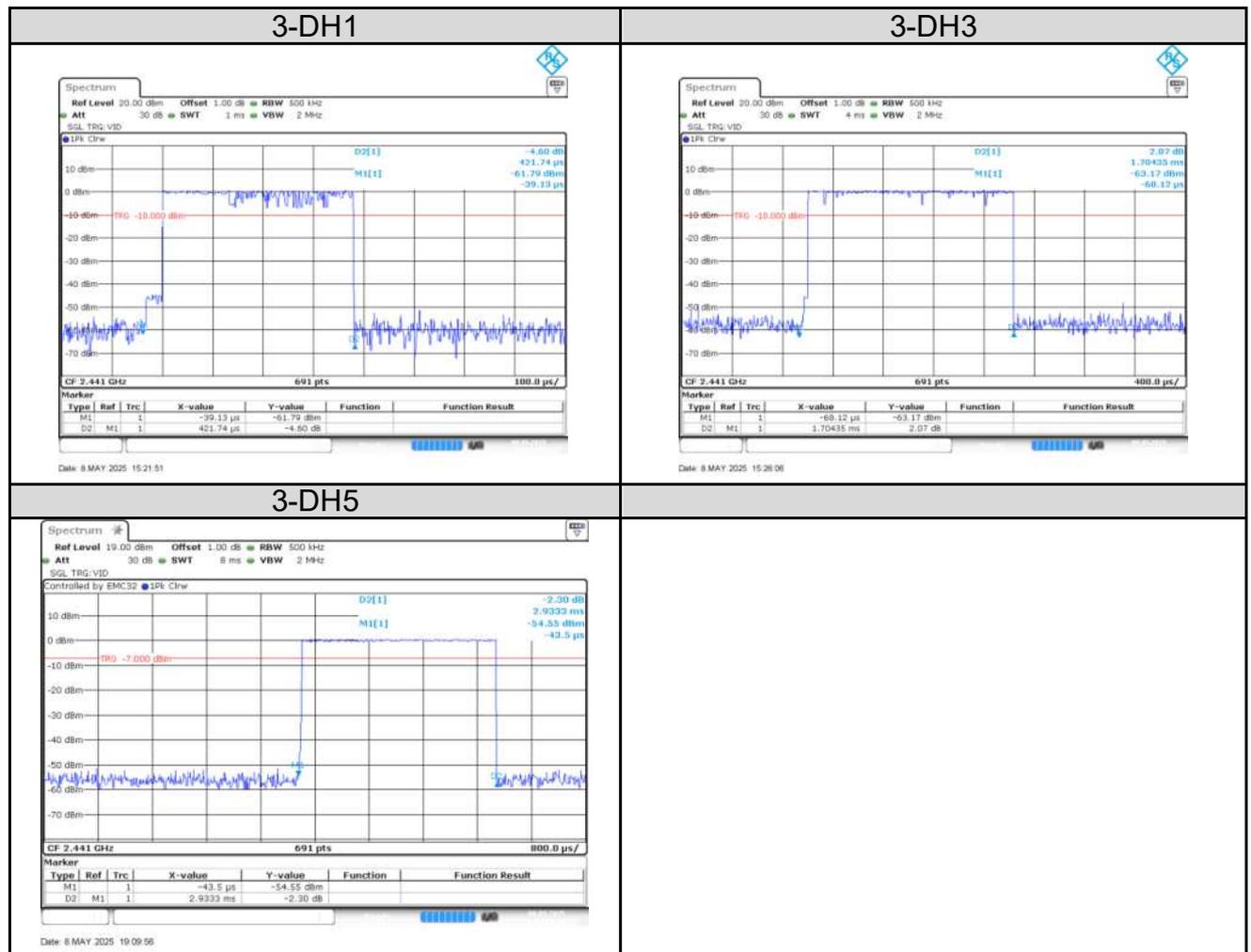
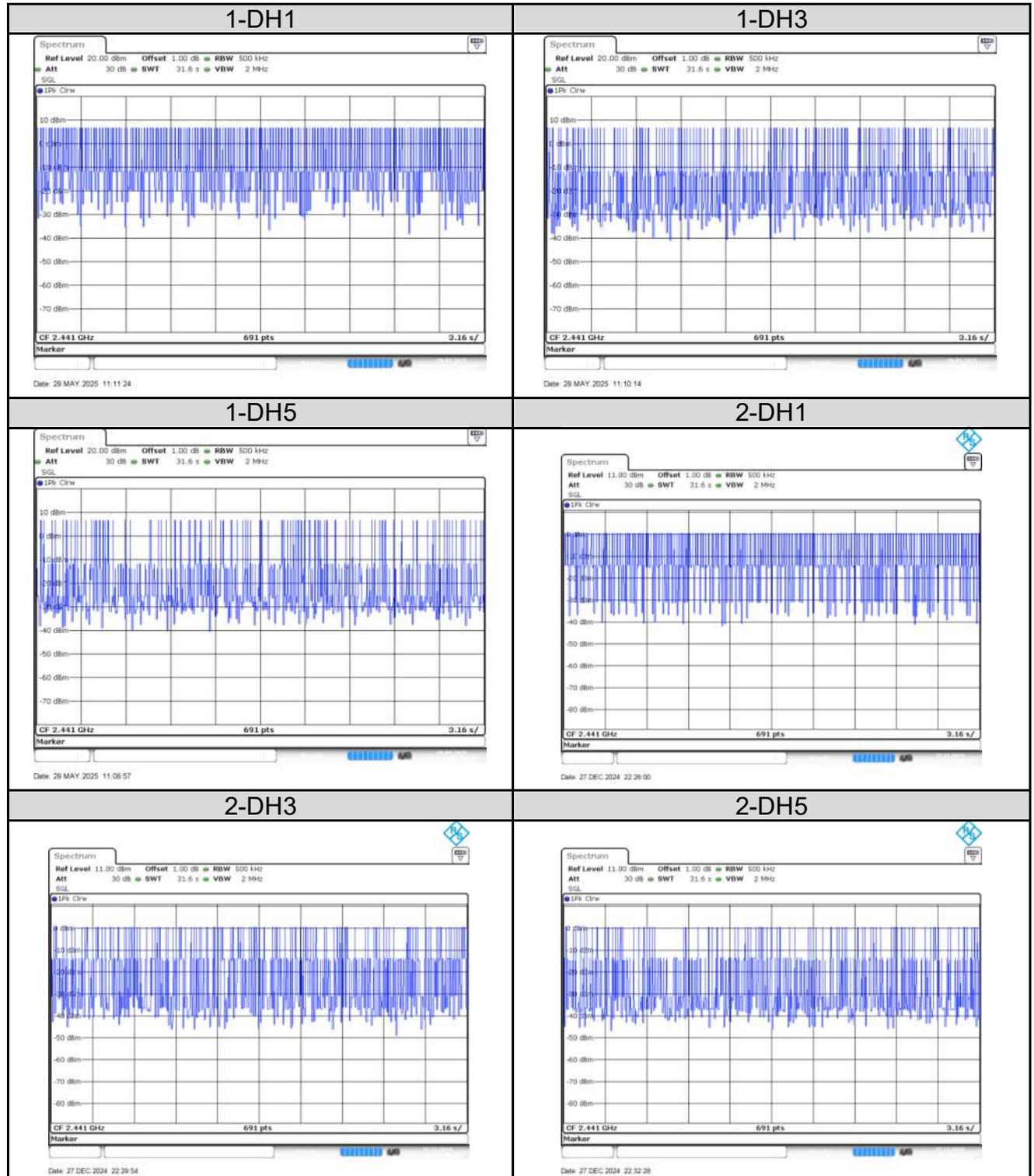
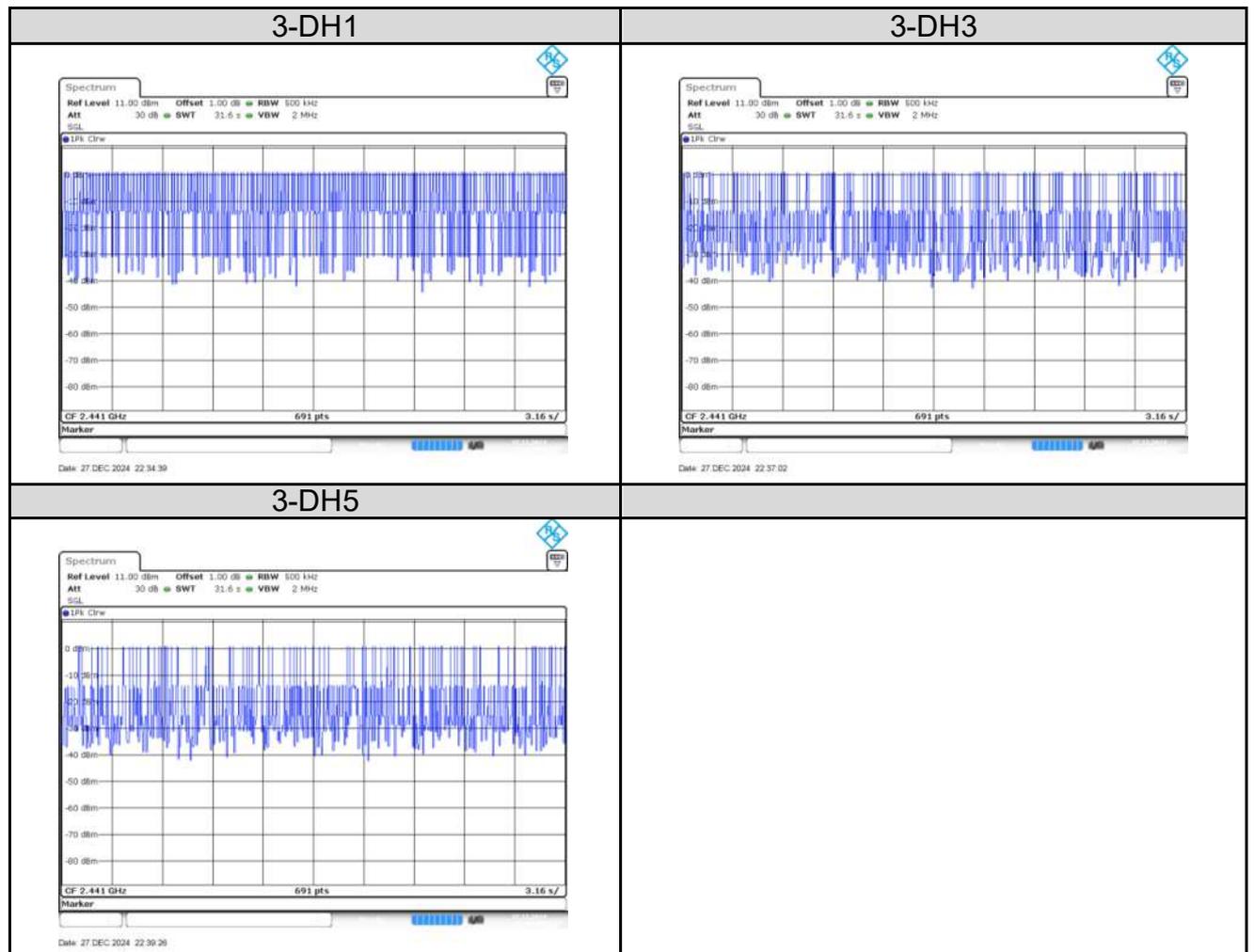


Figure 2: Number of Hops


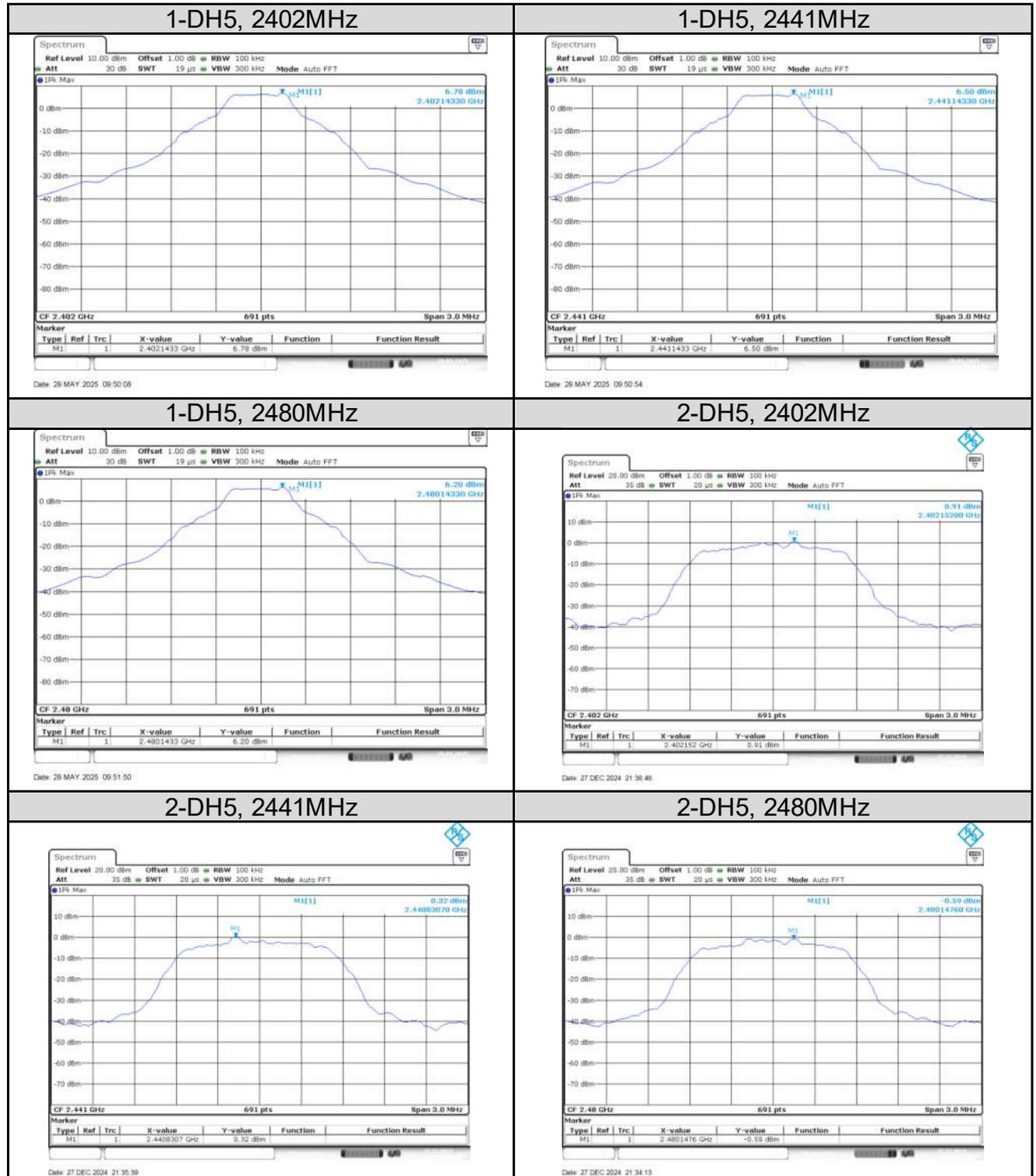


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5.1.7 Conducted Band Edge and out-of Band Emissions

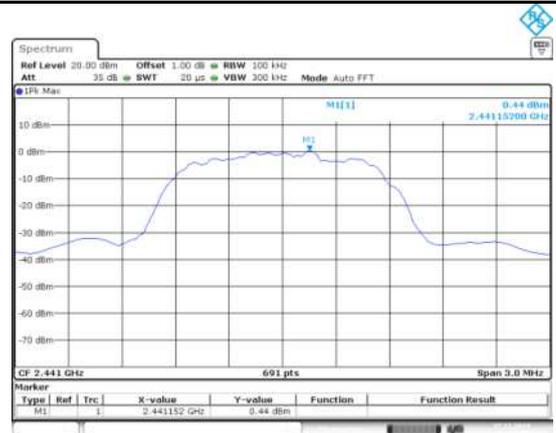
RESULT:**Pass**

Date of testing : 2024-12-27, 2025-05-08, 2025-05-29
Ambient temperature : 22.3°C, 21.7°C, 23.7°C
Relative humidity : 47.8%, 49.8%, 47.6%
Atmospheric pressure : 101kPa
Test requirement : FCC Part 15.247(d)
RSS-247 Issue 3, August 2023, Clause 5.5
Test procedure : ANSI C63.10-2020+Cor. 1-2023+C63.10a-
2024+Errata to C63.10a-2024
Test voltage : DC 3.3V
Test modes applied : A

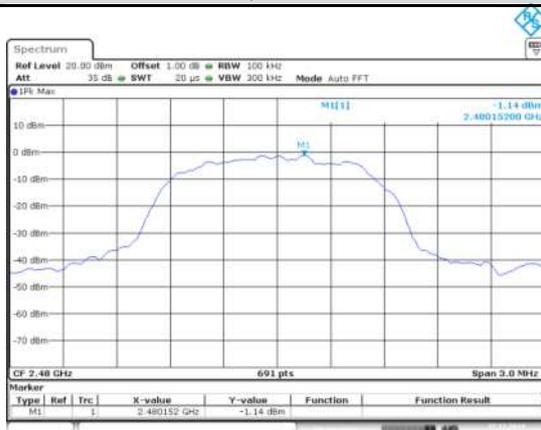
Figure 3: Reference Level


3-DH5, 2402MHz

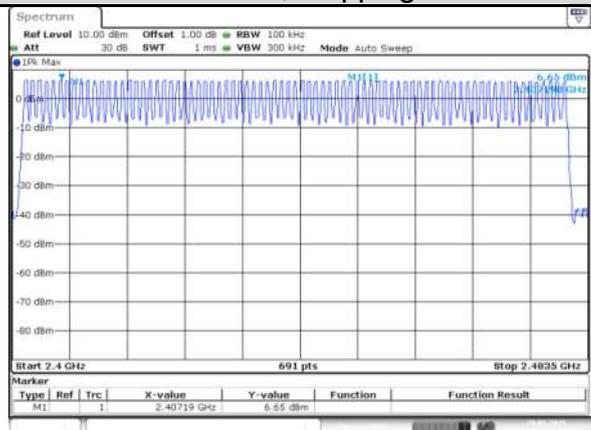

Date: 27 DEC 2024 21:37:51

3-DH5, 2441MHz


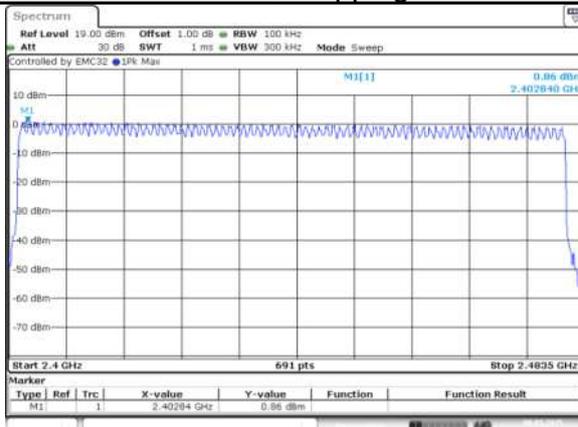
Date: 27 DEC 2024 21:30:07

3-DH5, 2480MHz


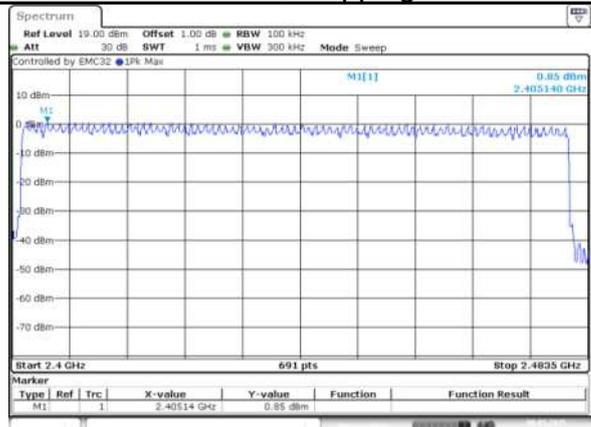
Date: 27 DEC 2024 21:42:07

1-DH5, Hopping


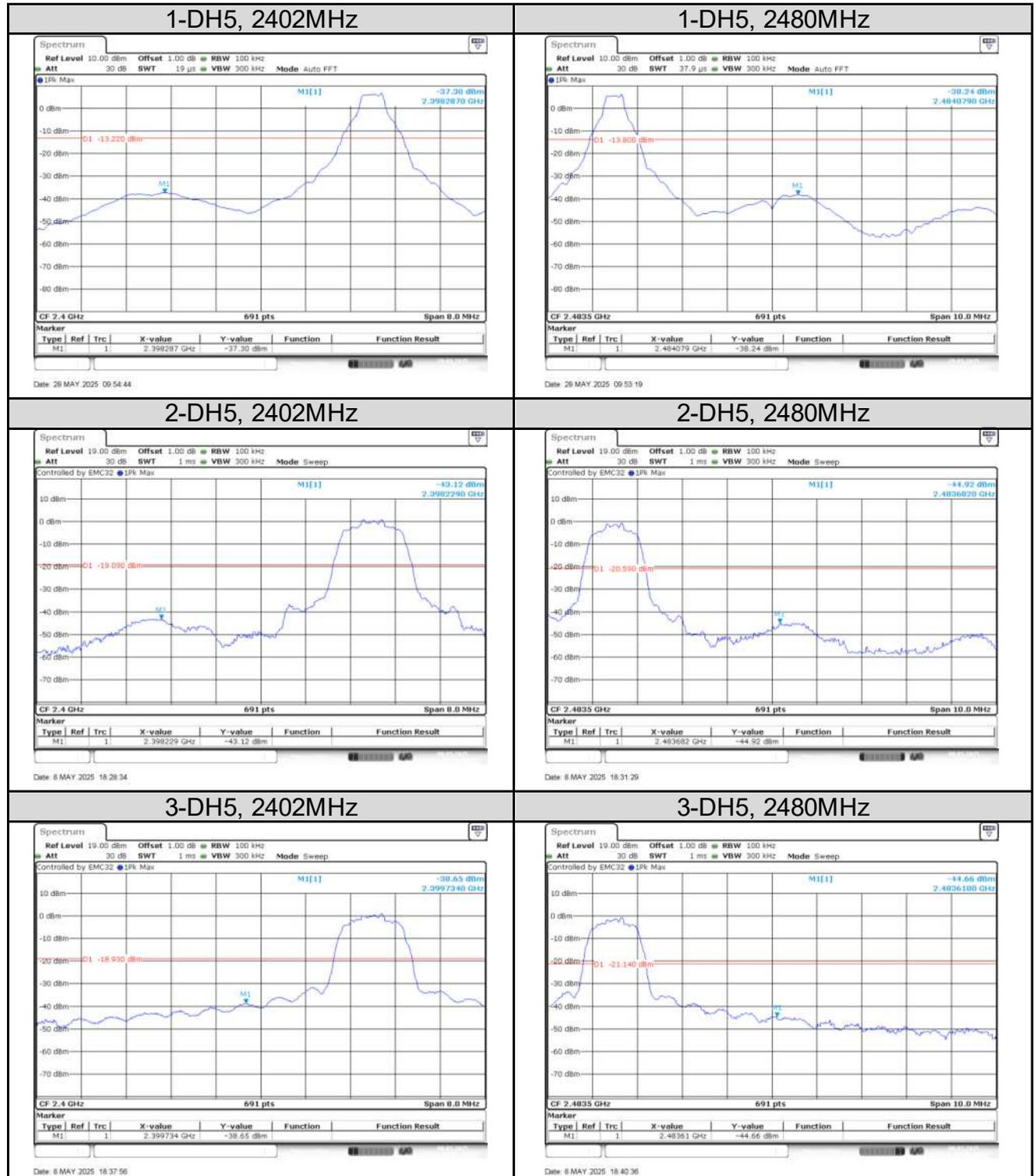
Date: 29 MAY 2025 09:57:02

2-DH5, Hopping


Date: 6 MAY 2025 17:44:16

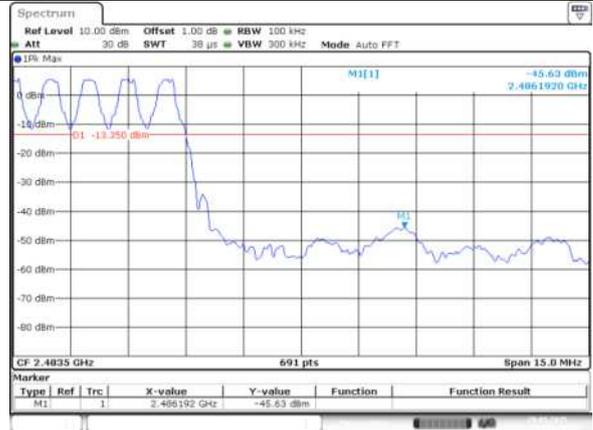
3-DH5, Hopping


Date: 6 MAY 2025 17:48:20

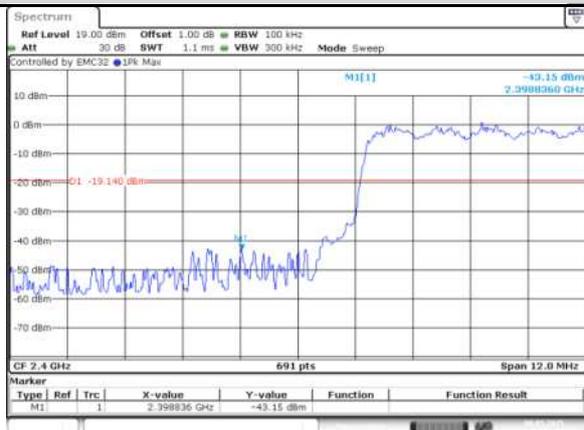
Figure 4: Conducted Band Edge


1-DH5, lower band

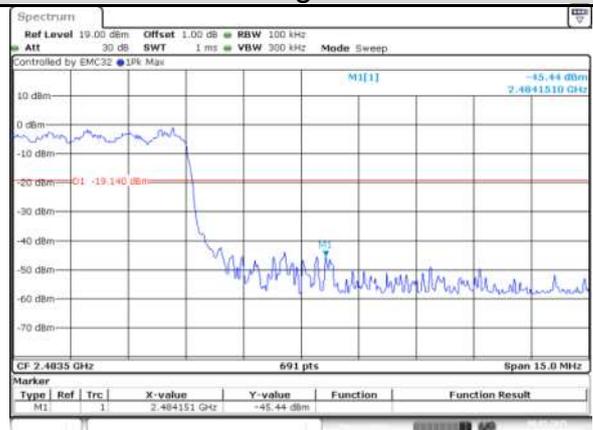

Date: 29 MAY 2025 09:58:15

1-DH5, higher band


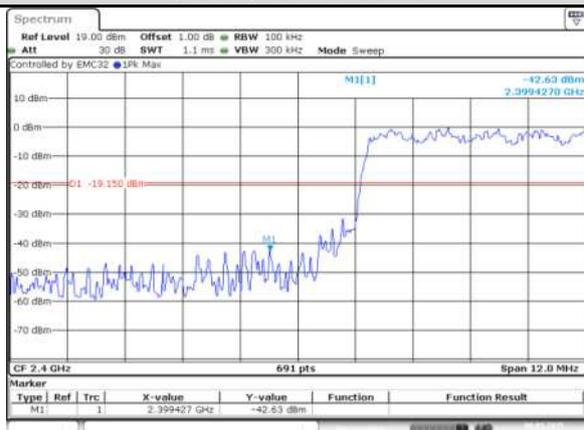
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2-DH5 lower band


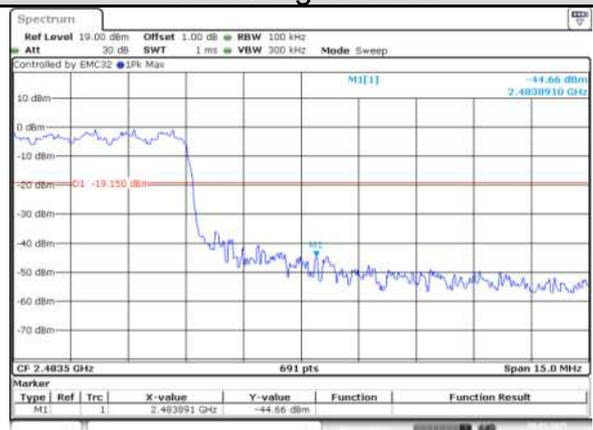
Date: 8 MAY 2025 18:04:03

2-DH5 higher band


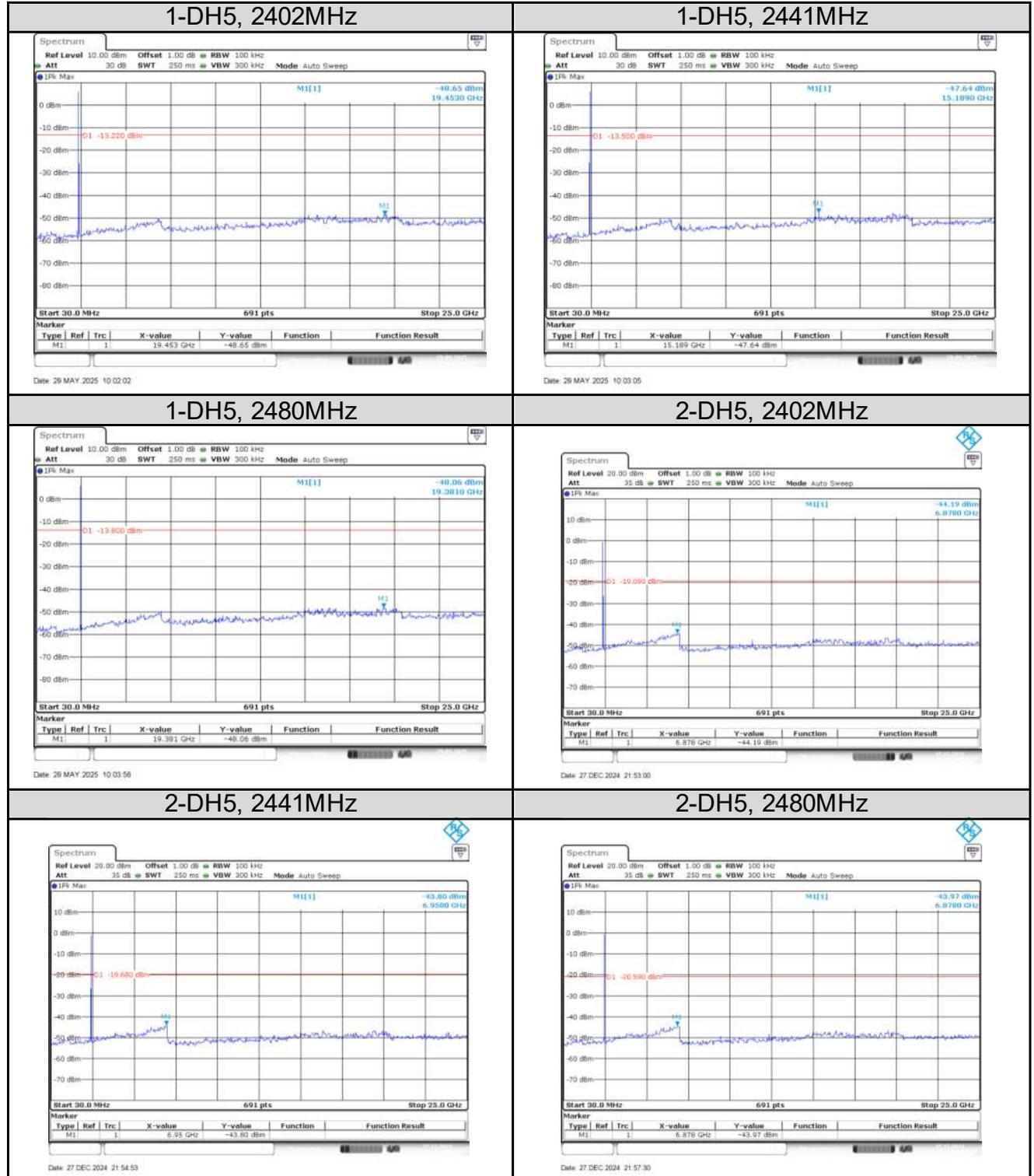
Date: 8 MAY 2025 18:09:54

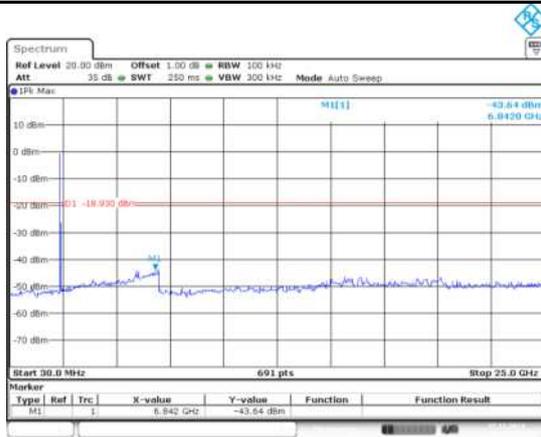
3-DH5 lower band


Date: 8 MAY 2025 18:14:46

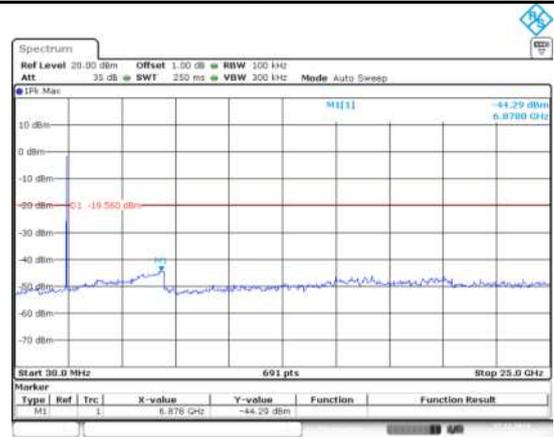
3-DH5 higher band


Date: 8 MAY 2025 18:12:08

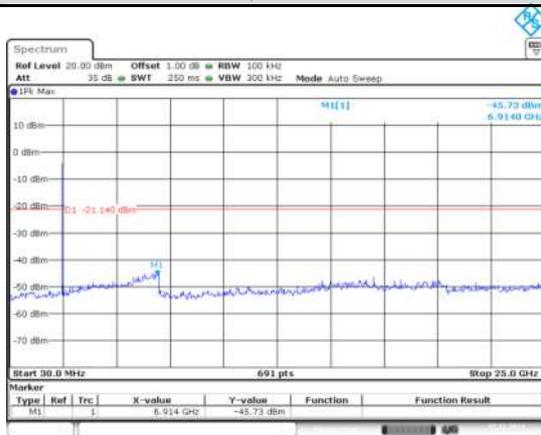
Figure 5: Conducted Spurious Emission


3-DH5, 2402MHz


Date: 27 DEC 2024 21:51:14

3-DH5, 2441MHz


Date: 27 DEC 2024 21:49:31

3-DH5, 2480MHz


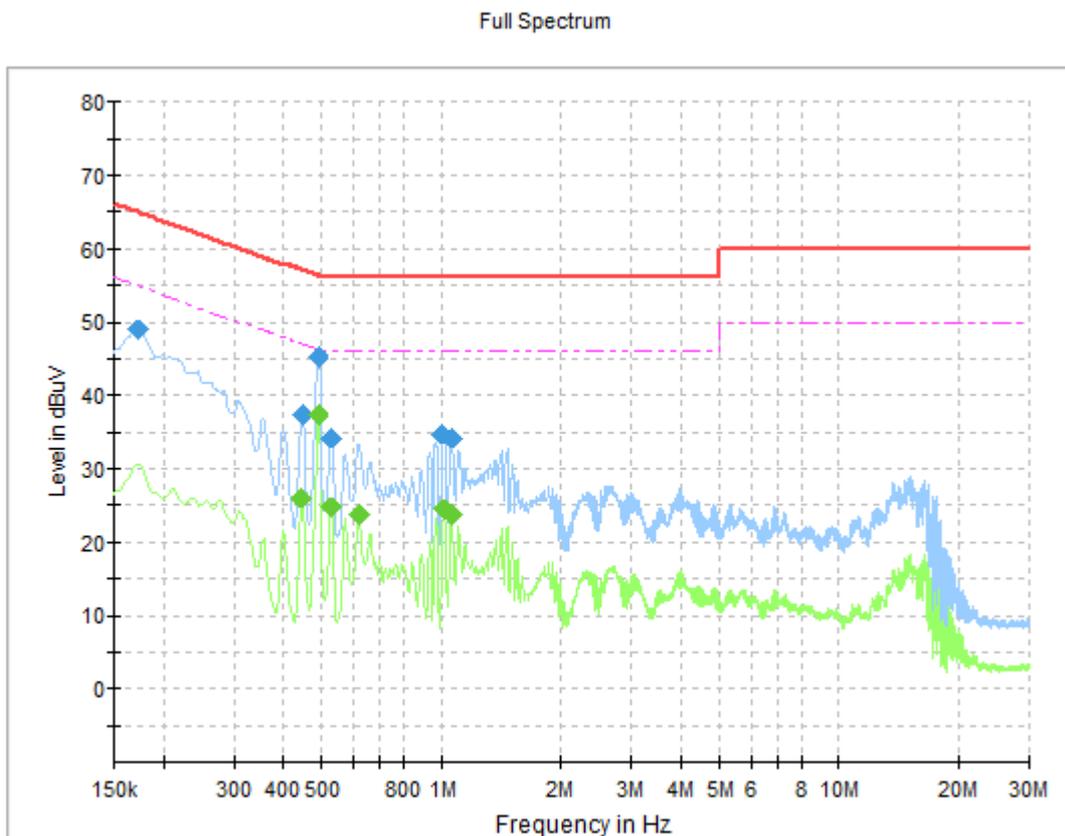
Date: 27 DEC 2024 21:45:43

5.2 Emission in the Frequency Range up to 30MHz

5.2.1 Conducted Emission

RESULT:**Pass**

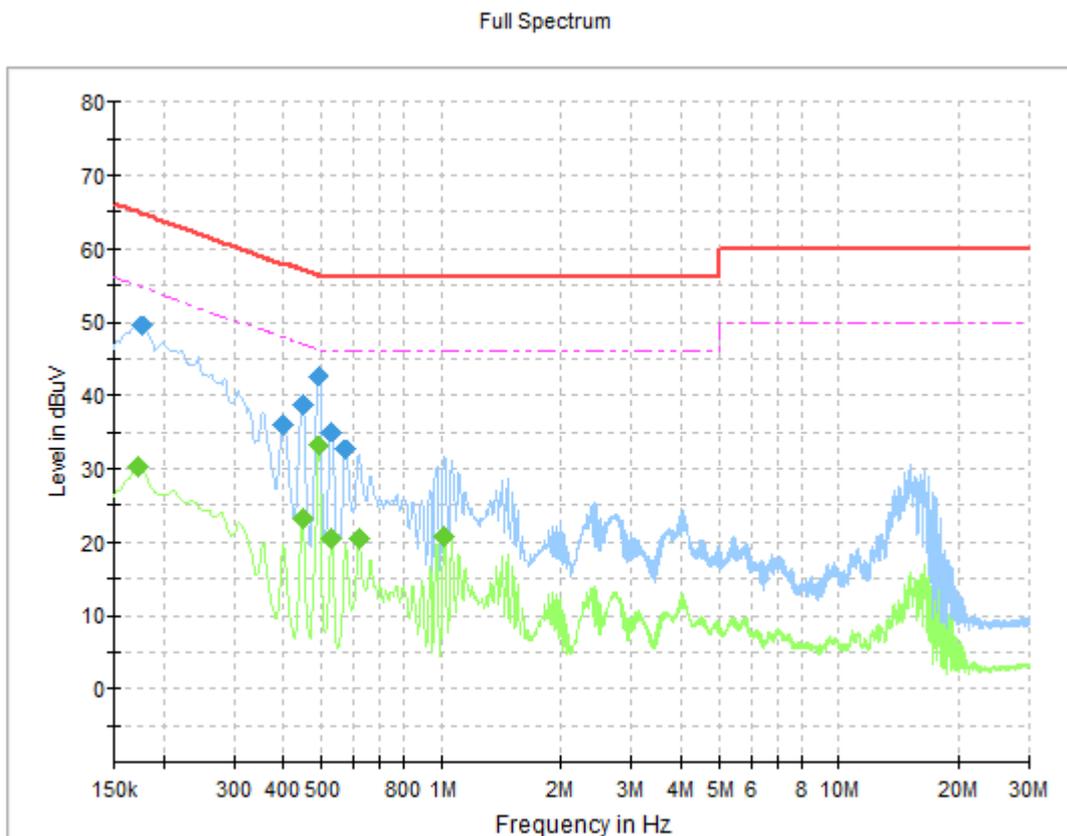
Date of testing	:	2024-12-07
Ambient temperature	:	20.5°C
Relative humidity	:	48.2%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.207 (a) RSS-Gen Issue 5, Amendment 2, February 2021, Clause 8.8
Test procedure	:	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024
Test voltage	:	AC 120V, 60Hz
Test modes applied	:	B

Figure 6: Conducted Emission, L

Final Result QPK

Frequency (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.172500	48.91	64.84	15.93	1000.0	9.000	L1	10.3
0.444750	37.31	56.97	19.66	1000.0	9.000	L1	10.3
0.487500	45.37	56.21	10.84	1000.0	9.000	L1	10.3
0.528000	34.33	56.00	21.67	1000.0	9.000	L1	10.3
1.009500	34.82	56.00	21.18	1000.0	9.000	L1	10.7
1.061250	34.23	56.00	21.77	1000.0	9.000	L1	10.7

Final Result CAV

Frequency (MHz)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.442500	26.07	47.02	20.95	1000.0	9.000	L1	10.3
0.487500	37.34	46.21	8.87	1000.0	9.000	L1	10.3
0.530250	24.61	46.00	21.39	1000.0	9.000	L1	10.3
0.615750	23.79	46.00	22.21	1000.0	9.000	L1	10.3
1.016250	24.38	46.00	21.62	1000.0	9.000	L1	10.7
1.059000	23.71	46.00	22.29	1000.0	9.000	L1	10.7

Figure 7: Conducted Emission, N

Final Result QPK

Frequency (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.174750	49.51	64.73	15.22	1000.0	9.000	N	10.5
0.399750	36.11	57.86	21.75	1000.0	9.000	N	10.3
0.444750	38.73	56.97	18.24	1000.0	9.000	N	10.3
0.487500	42.56	56.21	13.65	1000.0	9.000	N	10.2
0.528000	34.93	56.00	21.07	1000.0	9.000	N	10.2
0.573000	32.67	56.00	23.33	1000.0	9.000	N	10.3

Final Result CAV

Frequency (MHz)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.172500	30.36	54.84	24.48	1000.0	9.000	N	10.5
0.444750	23.06	46.97	23.91	1000.0	9.000	N	10.3
0.487500	33.29	46.21	12.92	1000.0	9.000	N	10.2
0.530250	20.63	46.00	25.37	1000.0	9.000	N	10.2
0.615750	20.41	46.00	25.59	1000.0	9.000	N	10.3
1.018500	20.88	46.00	25.12	1000.0	9.000	N	10.4

5.3 Emission in the Frequency Range above 30MHz

5.3.1 Radiated Band-Edge

RESULT:**Pass**

Date of testing	:	2025-05-10
Ambient temperature	:	20.3°C
Relative humidity	:	47.5%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(d) FCC Part 15.205(a) FCC Part 15.209(a) RSS-Gen Issue 5, Amendment 2, February 2021, Clause 8.9 RSS-Gen Issue 5, Amendment 2, February 2021, Clause 8.10 RSS-247 Issue 3, August 2023, Clause 5.5
Test procedure	:	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024
Test voltage	:	DC 3.3V
Test modes applied	:	A

Note:

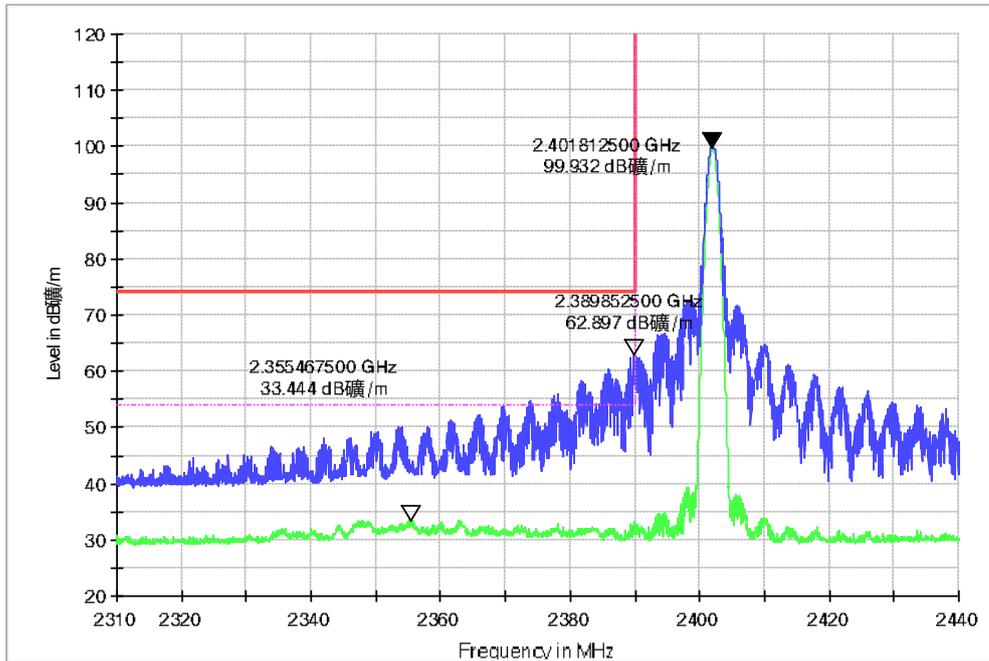
All the test modes were applied, only the worst case were shown in this report.

Trace (Blue): Measured peak value

Trace (Green): Measured average value

Figure 8: Radiated Band-Edge, 1-DH5, 2402, H

2310° 2410 BE 1-18GHz_HL050_FSV40_Pre


Figure 9: Radiated Band-Edge, 1-DH5, 2402, V

2310° 2410 BE 1-18GHz_HL050_FSV40_Pre

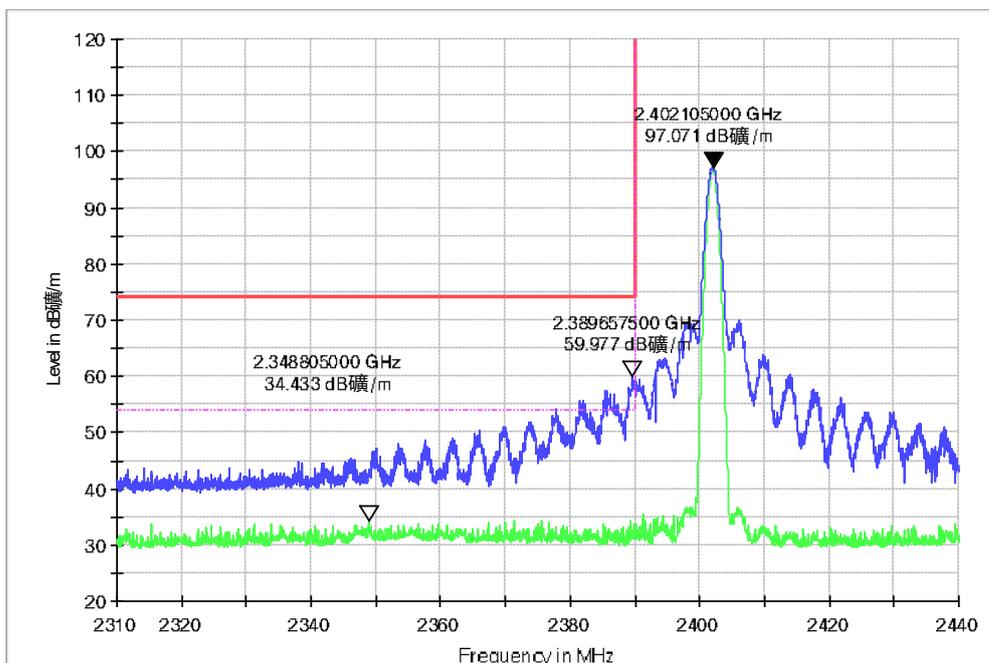
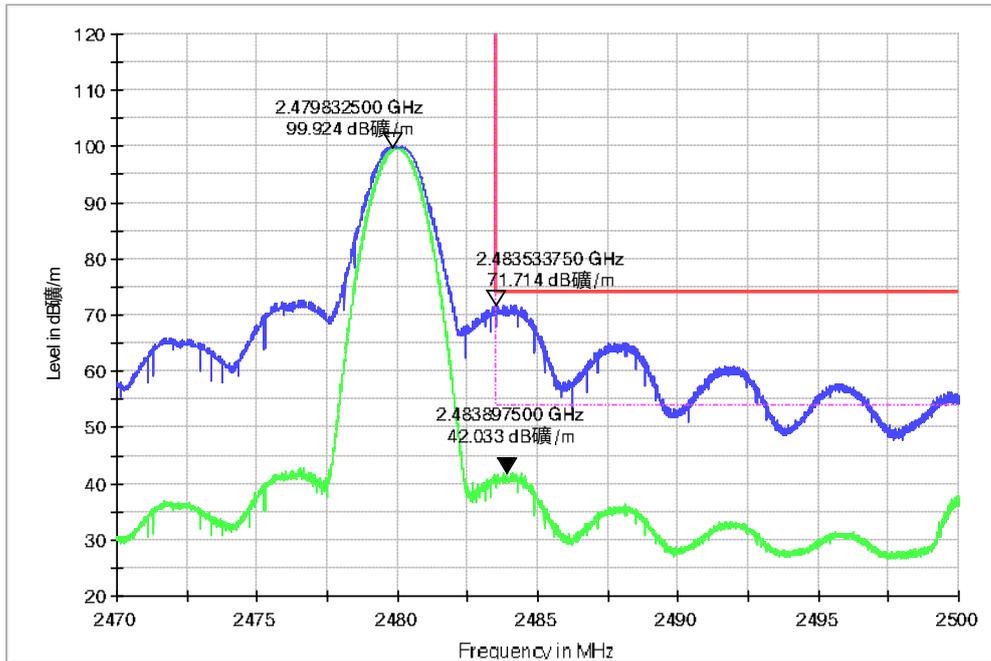


Figure 10: Radiated Band-Edge, 1-DH5, 2480, H

2470° 2500 BE_1-18GHz_HL050_FSV40_Pre


Figure 11: Radiated Band-Edge, 1-DH5, 2480, V

2470° 2500 BE_1-18GHz_HL050_FSV40_Pre

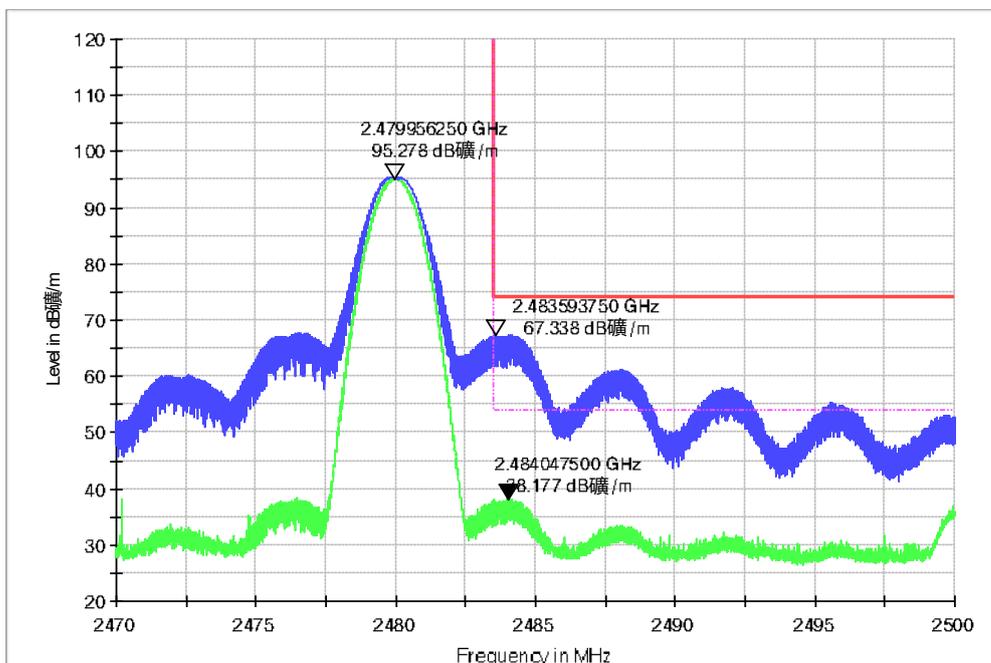
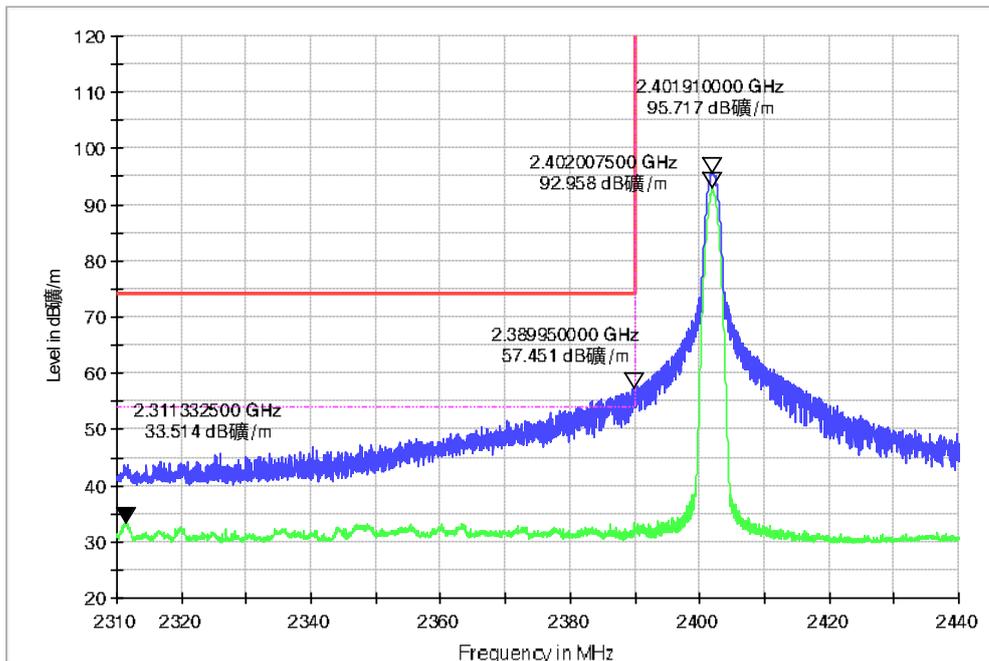


Figure 12: Radiated Band-Edge, 3-DH5, 2402, H

2310° 2410 BE 1-18GHz_HL050_FSV40_Pre


Figure 13: Radiated Band-Edge, 3-DH5, 2402, V

2310° 2410 BE 1-18GHz_HL050_FSV40_Pre

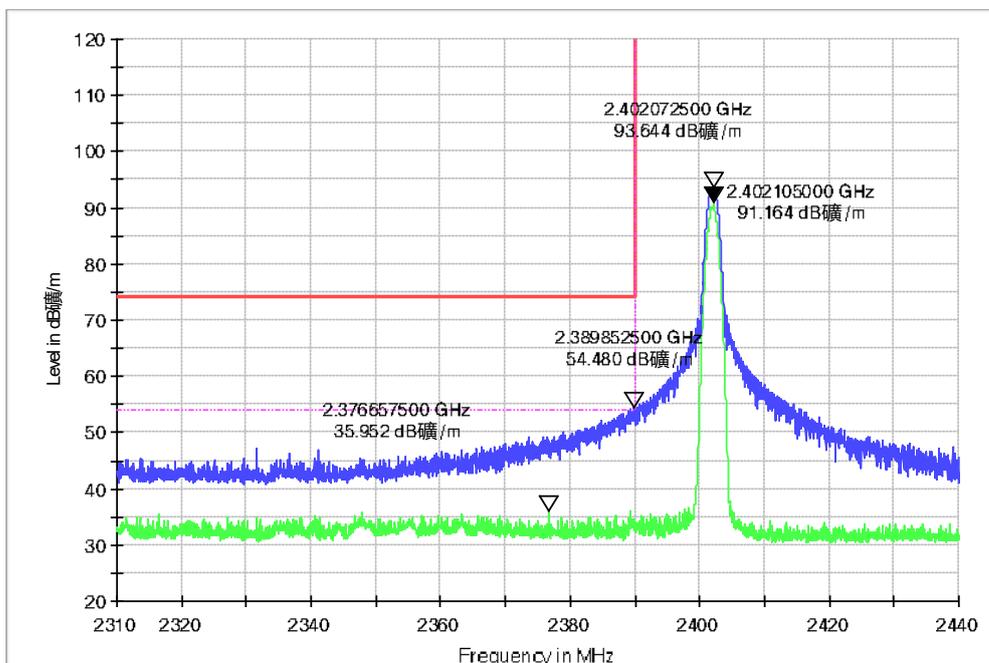
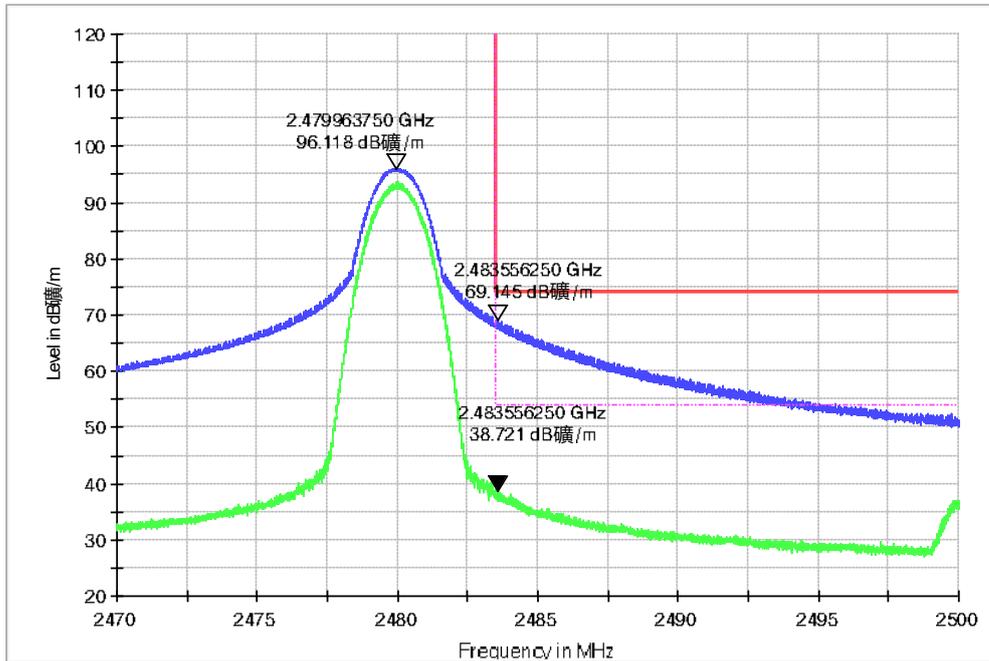
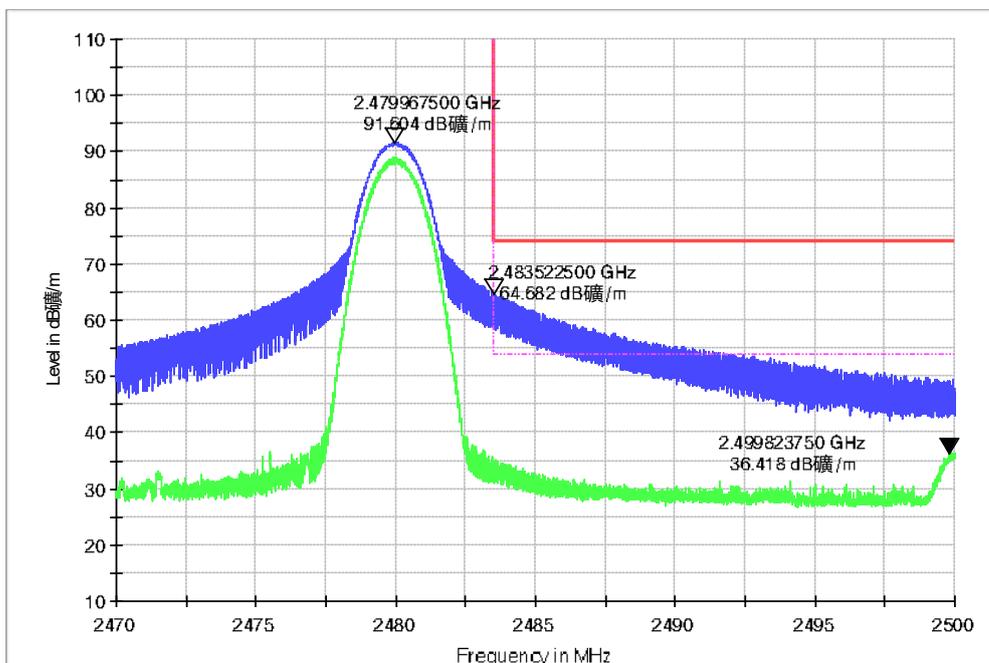


Figure 14: Radiated Band-Edge, 3-DH5, 2480, H

2470° 2500 BE_1-18GHz_HL050_FSV40_Pre


Figure 15: Radiated Band-Edge, 3-DH5, 2480, V

2470° 2500 BE_1-18GHz_HL050_FSV40_Pre



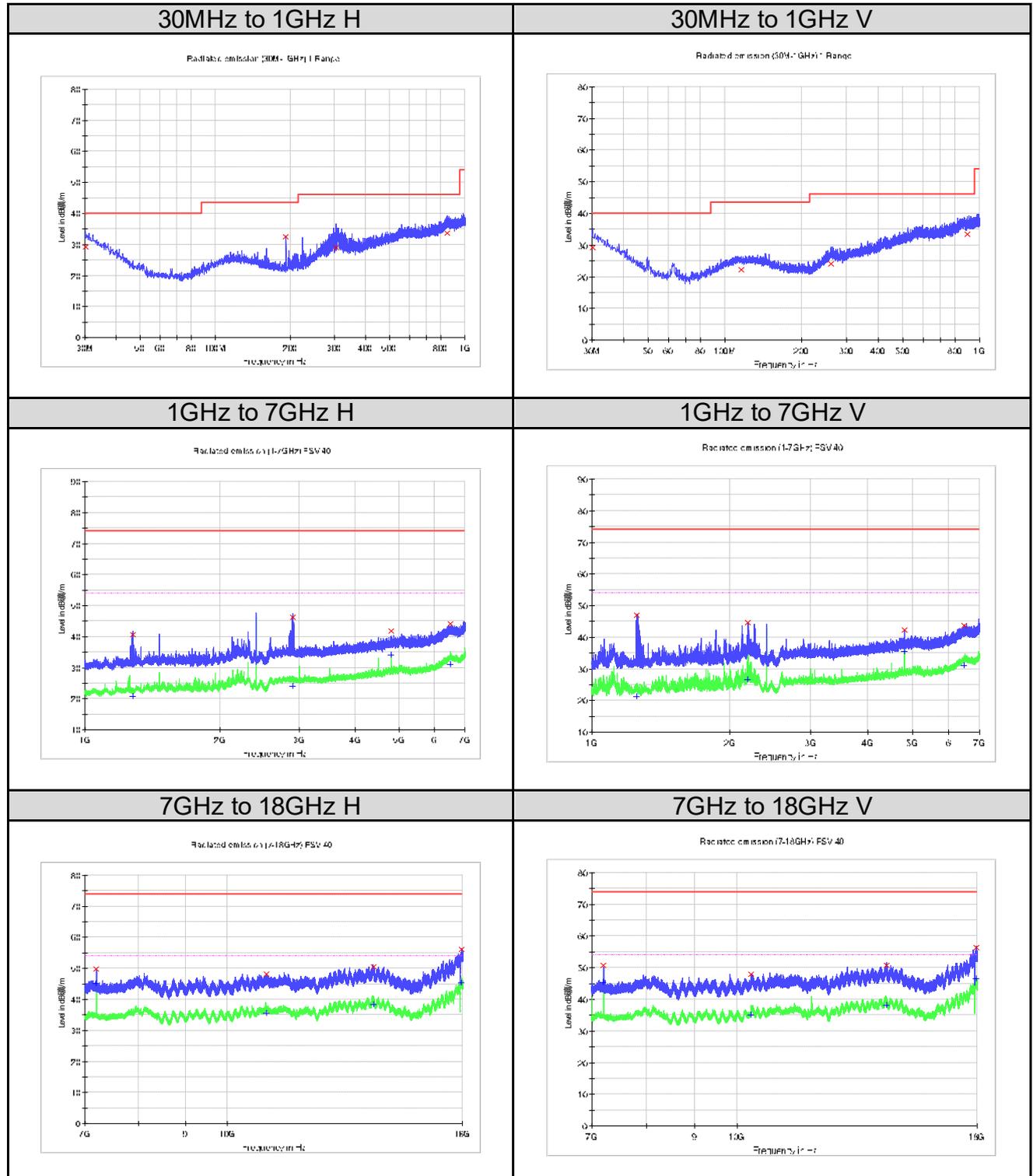
5.3.2 Radiated Spurious Emission

RESULT:**Pass**

Date of testing	:	2025-05-10
Ambient temperature	:	20.3°C
Relative humidity	:	47.5%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(d) FCC Part 15.209(a) RSS-Gen Issue 5, Amendment 2, February 2021, Clause 8.9 RSS-247 Issue 3, August 2023, Clause 5.5
Test procedure	:	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024
Test voltage	:	DC 3.3V
Test modes applied	:	A
Kind of test site	:	3m Anechoic Chamber

Note:

1. All the test modes were applied, only the worst case were shown in this report.
2. For the frequency range from 18GHz to 25GHz, no emission was found.

Figure 16: Radiated Spurious Emission, 1-DH5, 2402MHz


Limit and Margin
QP

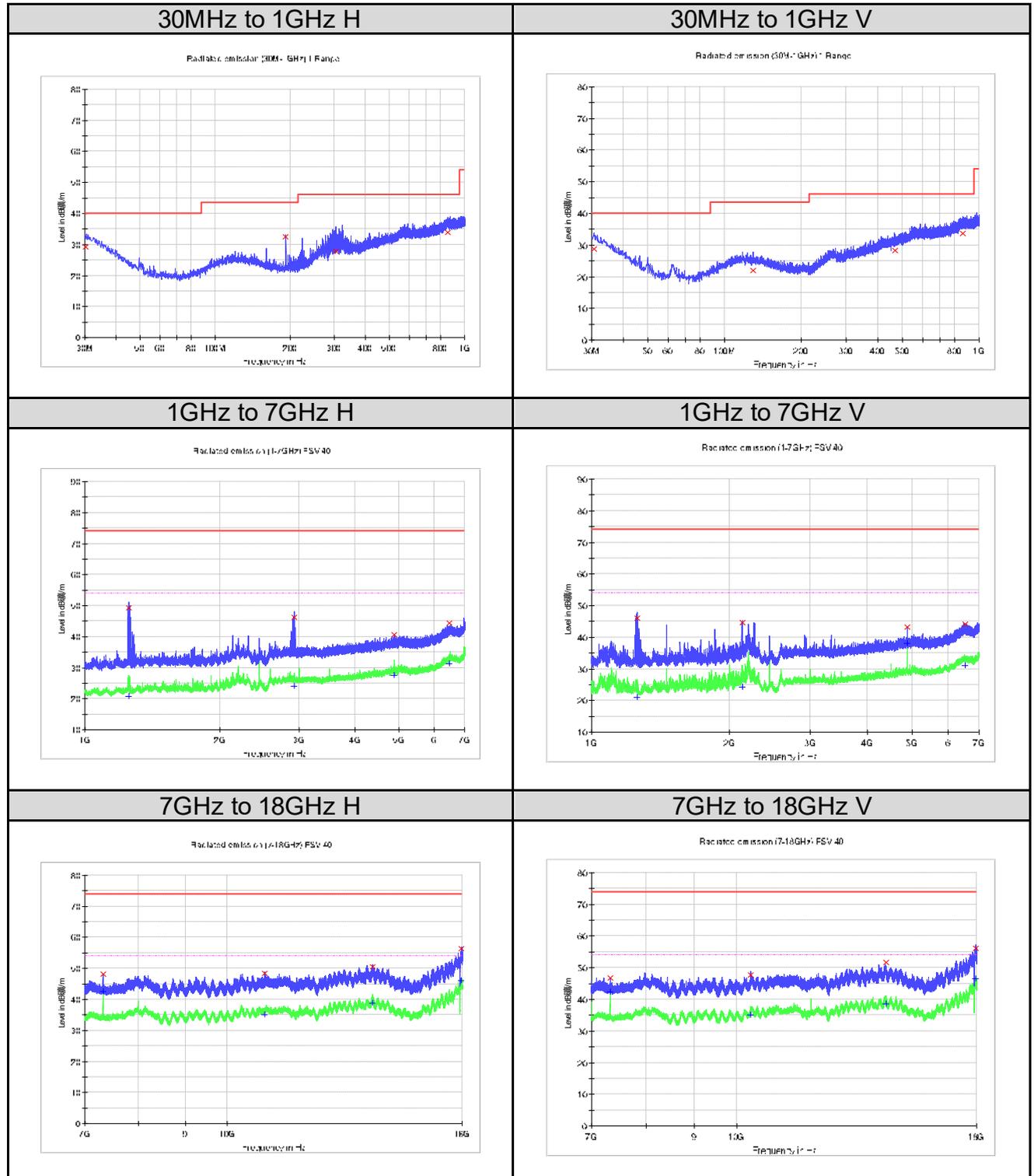
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.121250	29.2	H	25.6	10.8	40.0
191.990000	32.6	H	16.0	10.9	43.5
305.601250	28.9	H	20.4	17.1	46.0
850.498750	33.6	H	29.0	12.4	46.0
30.121250	29.1	V	25.6	10.9	40.0
116.087500	22.1	V	19.0	21.4	43.5
260.981250	24.2	V	21.0	21.8	46.0
897.665000	33.4	V	28.5	12.6	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1279.300000	40.7	H	-19.3	33.3	74.0
2902.900000	46.2	H	-15.2	27.8	74.0
4804.000000	41.8	H	-11.4	32.2	74.0
6506.200000	44.2	H	-7.6	29.8	74.0
7205.562500	49.9	H	-6.1	24.1	74.0
11027.718750	48.2	H	-2.3	25.8	74.0
14402.656250	50.5	H	2.4	23.5	74.0
17953.593750	56.1	H	11.6	17.9	74.0
1252.300000	46.9	V	-19.3	27.1	74.0
2190.400000	44.7	V	-15.8	29.3	74.0
4804.000000	42.3	V	-11.4	31.7	74.0
6487.600000	43.8	V	-7.7	30.2	74.0
7205.906250	50.7	V	-6.1	23.3	74.0
10350.187500	47.9	V	-2.7	26.1	74.0
14422.593750	50.8	V	2.4	23.2	74.0
17971.468750	56.4	V	11.9	17.6	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1279.300000	20.6	H	-19.3	33.4	54.0
2902.900000	23.9	H	-15.2	30.1	54.0
4804.000000	34.2	H	-11.4	19.8	54.0
6506.200000	31.1	H	-7.6	22.9	54.0
7205.562500	45.1	H	-6.1	8.9	54.0
11027.718750	35.5	H	-2.3	18.5	54.0
14402.656250	38.3	H	2.4	15.7	54.0
17953.593750	45.4	H	11.6	8.6	54.0
1252.300000	21.2	V	-19.3	32.8	54.0
2190.400000	26.6	V	-15.8	27.4	54.0
4804.000000	35.5	V	-11.4	18.5	54.0
6487.600000	31.1	V	-7.7	22.9	54.0
7205.906250	45.3	V	-6.1	8.7	54.0
10350.187500	35.2	V	-2.7	18.8	54.0
14422.593750	38.0	V	2.4	16.0	54.0
17971.468750	46.5	V	11.9	7.5	54.0

Figure 17: Radiated Spurious Emission, 1-DH5, 2441MHz


Limit and Margin
QP

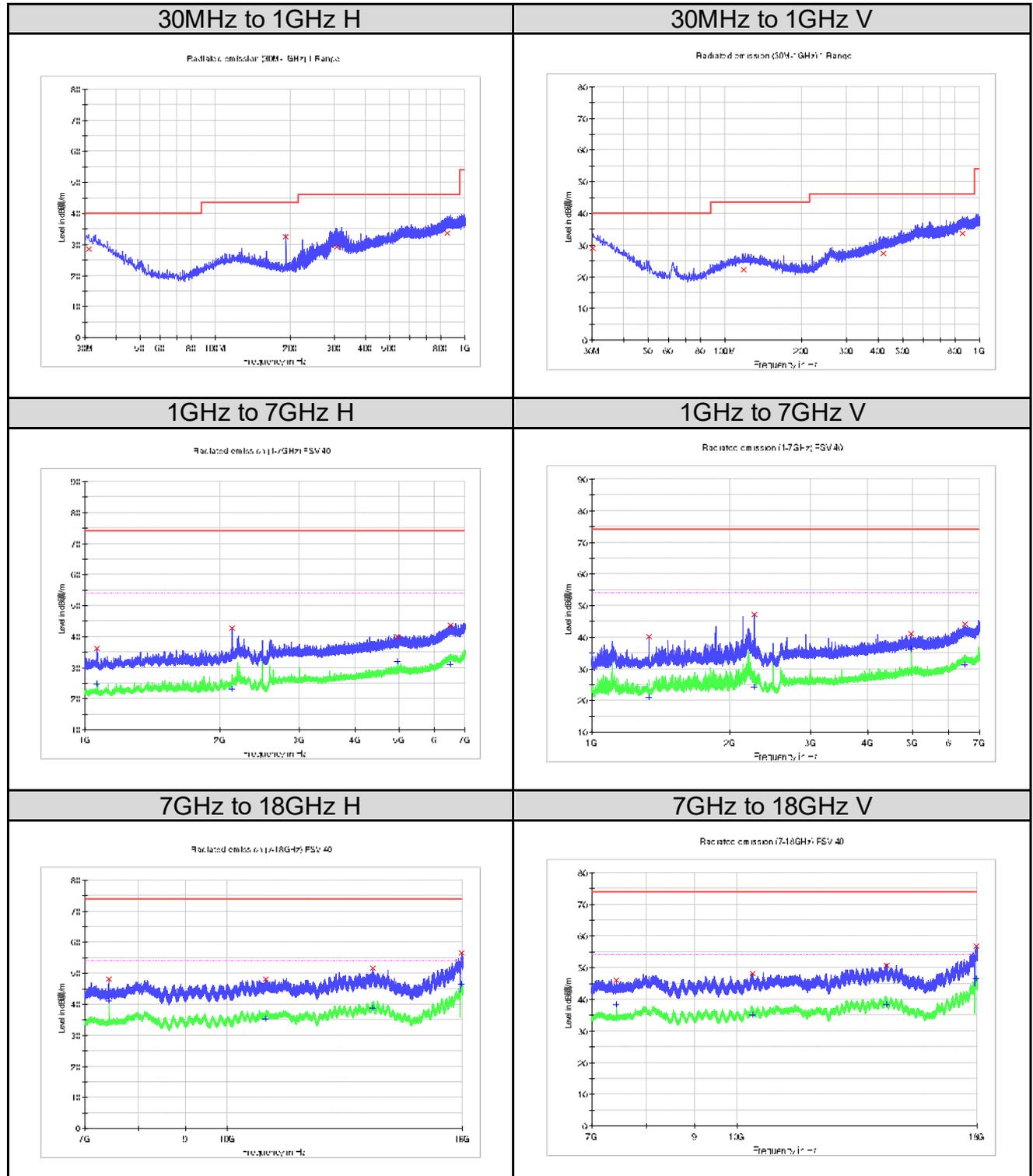
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.121250	29.1	H	25.6	10.9	40.0
191.990000	32.6	H	16.0	10.9	43.5
304.873750	27.7	H	20.4	18.3	46.0
858.743750	33.9	H	29.0	12.1	46.0
30.606250	28.9	V	25.3	11.1	40.0
129.425000	22.0	V	18.8	21.5	43.5
466.742500	28.2	V	24.7	17.8	46.0
861.532500	33.8	V	29.0	12.2	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1252.000000	49.3	H	-19.3	24.7	74.0
2920.600000	46.3	H	-15.1	27.7	74.0
4882.000000	40.8	H	-11.3	33.2	74.0
6475.900000	44.4	H	-7.8	29.6	74.0
7322.437500	48.2	H	-6.6	25.8	74.0
10988.531250	48.4	H	-2.1	25.6	74.0
14387.187500	50.6	H	2.3	23.4	74.0
17979.375000	56.3	H	12.0	17.7	74.0
1255.900000	46.1	V	-19.3	27.9	74.0
2132.500000	44.6	V	-16.5	29.4	74.0
4882.000000	43.1	V	-11.3	30.9	74.0
6527.500000	44.2	V	-7.6	29.8	74.0
7323.468750	46.7	V	-6.6	27.3	74.0
10348.812500	47.7	V	-2.7	26.3	74.0
14400.937500	51.7	V	2.4	22.3	74.0
17970.093750	56.1	V	11.9	17.9	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1252.000000	20.7	H	-19.3	33.3	54.0
2920.600000	24.1	H	-15.1	29.9	54.0
4882.000000	27.5	H	-11.3	26.5	54.0
6475.900000	31.2	H	-7.8	22.8	54.0
7322.437500	42.5	H	-6.6	11.5	54.0
10988.531250	35.1	H	-2.1	18.9	54.0
14387.187500	38.9	H	2.3	15.1	54.0
17979.375000	46.2	H	12.0	7.8	54.0
1255.900000	21.0	V	-19.3	33.0	54.0
2132.500000	24.3	V	-16.5	29.7	54.0
4882.000000	38.0	V	-11.3	16.0	54.0
6527.500000	31.1	V	-7.6	22.9	54.0
7323.468750	42.3	V	-6.6	11.7	54.0
10348.812500	35.2	V	-2.7	18.8	54.0
14400.937500	38.5	V	2.4	15.5	54.0
17970.093750	46.5	V	11.9	7.5	54.0

Figure 18: Radiated Spurious Emission, 1-DH5, 2480MHz


Limit and Margin
QP

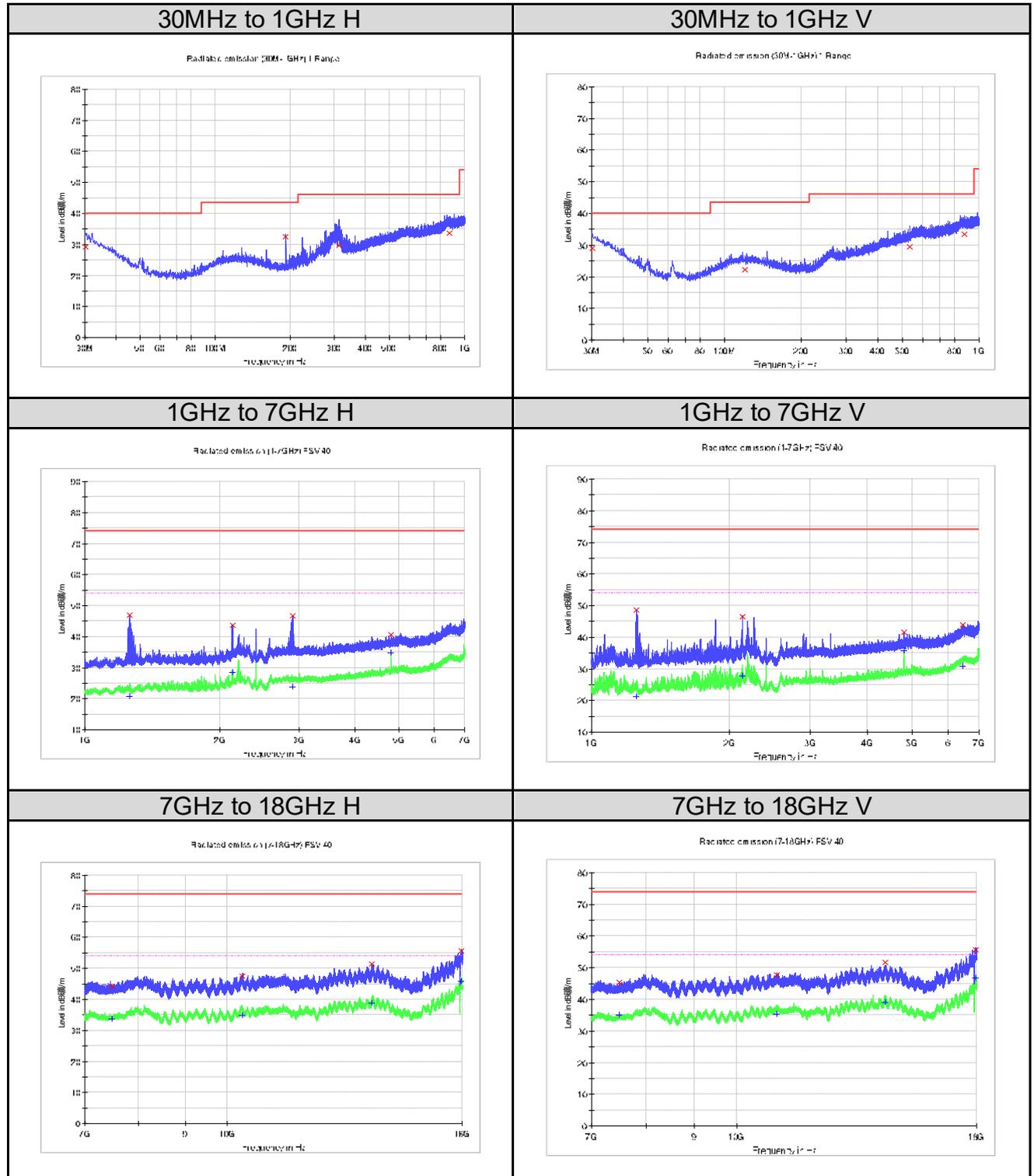
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.091250	28.6	H	25.1	11.4	40.0
191.990000	32.5	H	16.0	11.0	43.5
306.935000	29.2	H	20.5	16.8	46.0
849.528750	33.6	H	29.0	12.4	46.0
30.242500	29.1	V	25.5	10.9	40.0
118.633750	22.3	V	19.0	21.2	43.5
419.576250	27.4	V	23.9	18.6	46.0
858.501250	33.8	V	29.0	12.2	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1062.400000	36.1	H	-20.1	37.9	74.0
2128.600000	42.8	H	-16.6	31.2	74.0
4960.000000	39.9	H	-11.2	34.1	74.0
6495.700000	43.6	H	-7.6	30.4	74.0
7440.000000	48.2	H	-6.0	25.8	74.0
11005.718750	48.1	H	-2.1	25.9	74.0
14393.375000	51.7	H	2.4	22.3	74.0
17971.125000	56.5	H	11.9	17.5	74.0
1330.000000	40.2	V	-18.8	33.8	74.0
2261.200000	47.3	V	-15.6	26.7	74.0
4960.300000	41.2	V	-11.1	32.8	74.0
6509.500000	44.1	V	-7.6	29.9	74.0
7439.656250	46.0	V	-6.0	28.0	74.0
10376.656250	48.2	V	-2.7	25.8	74.0
14404.375000	50.8	V	2.4	23.2	74.0
17973.187500	56.9	V	11.9	17.1	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1062.400000	24.7	H	-20.1	29.3	54.0
2128.600000	23.2	H	-16.6	30.8	54.0
4960.000000	31.9	H	-11.2	22.1	54.0
6495.700000	31.0	H	-7.6	23.0	54.0
7440.000000	41.1	H	-6.0	12.9	54.0
11005.718750	35.3	H	-2.1	18.7	54.0
14393.375000	38.7	H	2.4	15.3	54.0
17971.125000	46.5	H	11.9	7.5	54.0
1330.000000	20.9	V	-18.8	33.1	54.0
2261.200000	24.4	V	-15.6	29.6	54.0
4960.300000	36.2	V	-11.1	17.8	54.0
6509.500000	31.2	V	-7.6	22.8	54.0
7439.656250	38.4	V	-6.0	15.6	54.0
10376.656250	35.1	V	-2.7	18.9	54.0
14404.375000	38.4	V	2.4	15.6	54.0
17973.187500	46.5	V	11.9	7.5	54.0

Figure 19: Radiated Spurious Emission, 3-DH5, 2402MHz


Limit and Margin
QP

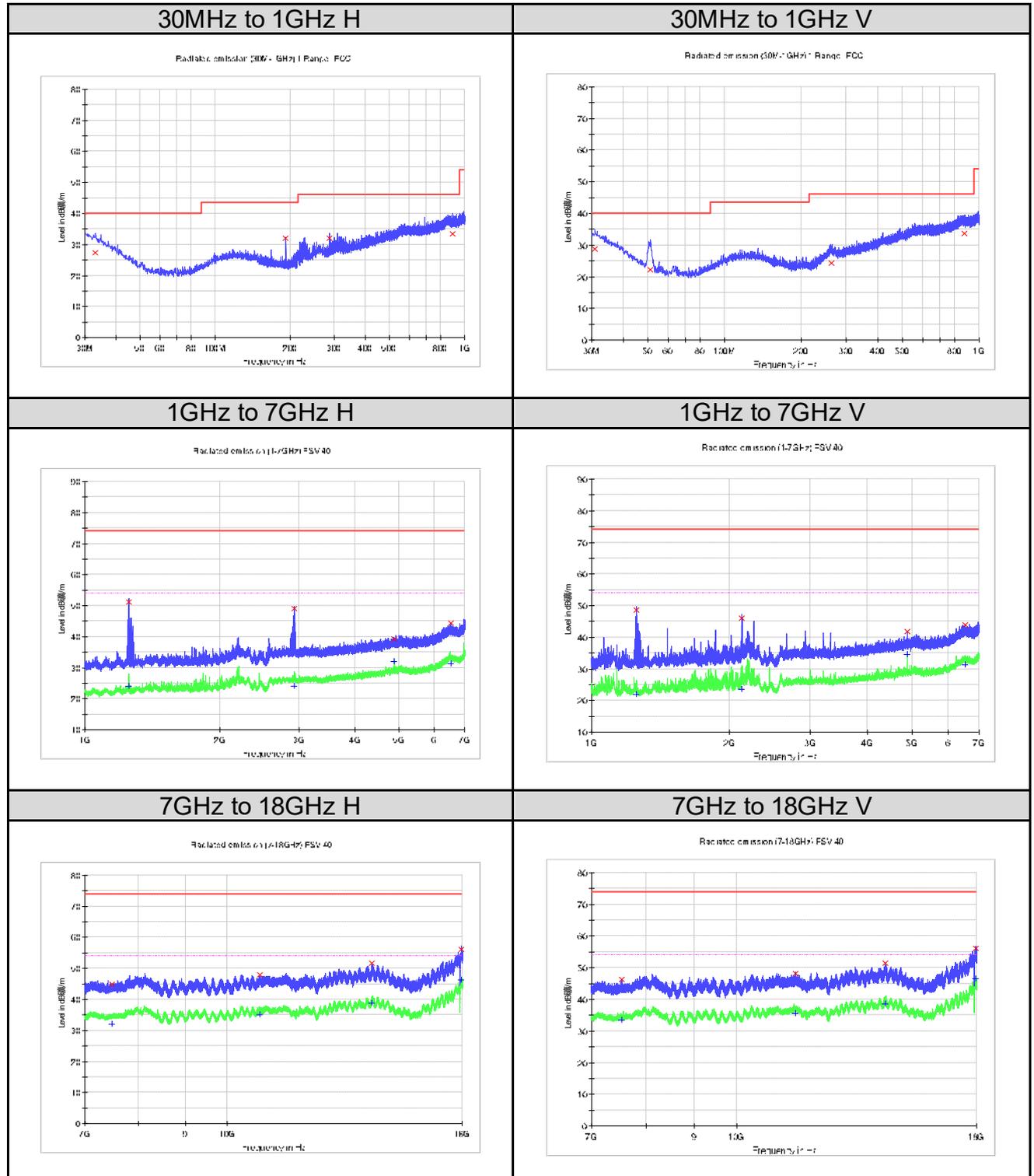
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.121250	29.2	H	25.6	10.8	40.0
191.990000	32.6	H	16.0	11.0	43.5
312.755000	29.8	H	20.6	16.2	46.0
870.383750	33.6	H	28.7	12.4	46.0
30.242500	29.1	V	25.5	10.9	40.0
119.967500	22.2	V	19.0	21.3	43.5
534.642500	29.5	V	25.7	16.5	46.0
876.567500	33.4	V	28.5	12.6	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1256.200000	46.9	H	-19.3	27.1	74.0
2132.800000	43.6	H	-16.5	30.4	74.0
2897.500000	46.7	H	-15.2	27.3	74.0
4801.900000	40.7	H	-11.4	33.3	74.0
7499.812500	44.3	H	-6.0	29.7	74.0
10390.750000	47.5	H	-2.7	26.5	74.0
14360.375000	51.6	H	2.2	22.4	74.0
17958.062500	55.6	H	11.6	18.4	74.0
1250.800000	48.6	V	-19.4	25.4	74.0
2132.800000	46.6	V	-16.5	27.4	74.0
4804.000000	41.6	V	-11.4	32.4	74.0
6452.200000	44.0	V	-7.9	30.0	74.0
7500.156250	45.3	V	-5.9	28.7	74.0
11032.531250	47.8	V	-2.3	26.2	74.0
14384.781250	51.8	V	2.3	22.2	74.0
17970.781250	55.6	V	11.9	18.4	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1256.200000	20.8	H	-19.3	33.2	54.0
2132.800000	28.4	H	-16.5	25.6	54.0
2897.500000	23.9	H	-15.2	30.1	54.0
4801.900000	34.9	H	-11.4	19.1	54.0
7499.812500	33.7	H	-6.0	20.3	54.0
10390.750000	34.8	H	-2.7	19.2	54.0
14360.375000	38.8	H	2.2	15.2	54.0
17958.062500	45.9	H	11.6	8.1	54.0
1250.800000	21.2	V	-19.4	32.8	54.0
2132.800000	27.8	V	-16.5	26.2	54.0
4804.000000	35.7	V	-11.4	18.3	54.0
6452.200000	30.9	V	-7.9	23.1	54.0
7500.156250	35.0	V	-5.9	19.0	54.0
11032.531250	35.3	V	-2.3	18.7	54.0
14384.781250	39.1	V	2.3	14.9	54.0
17970.781250	46.7	V	11.9	7.3	54.0

Figure 20: Radiated Spurious Emission, 3-DH5, 2441MHz


Limit and Margin
QP

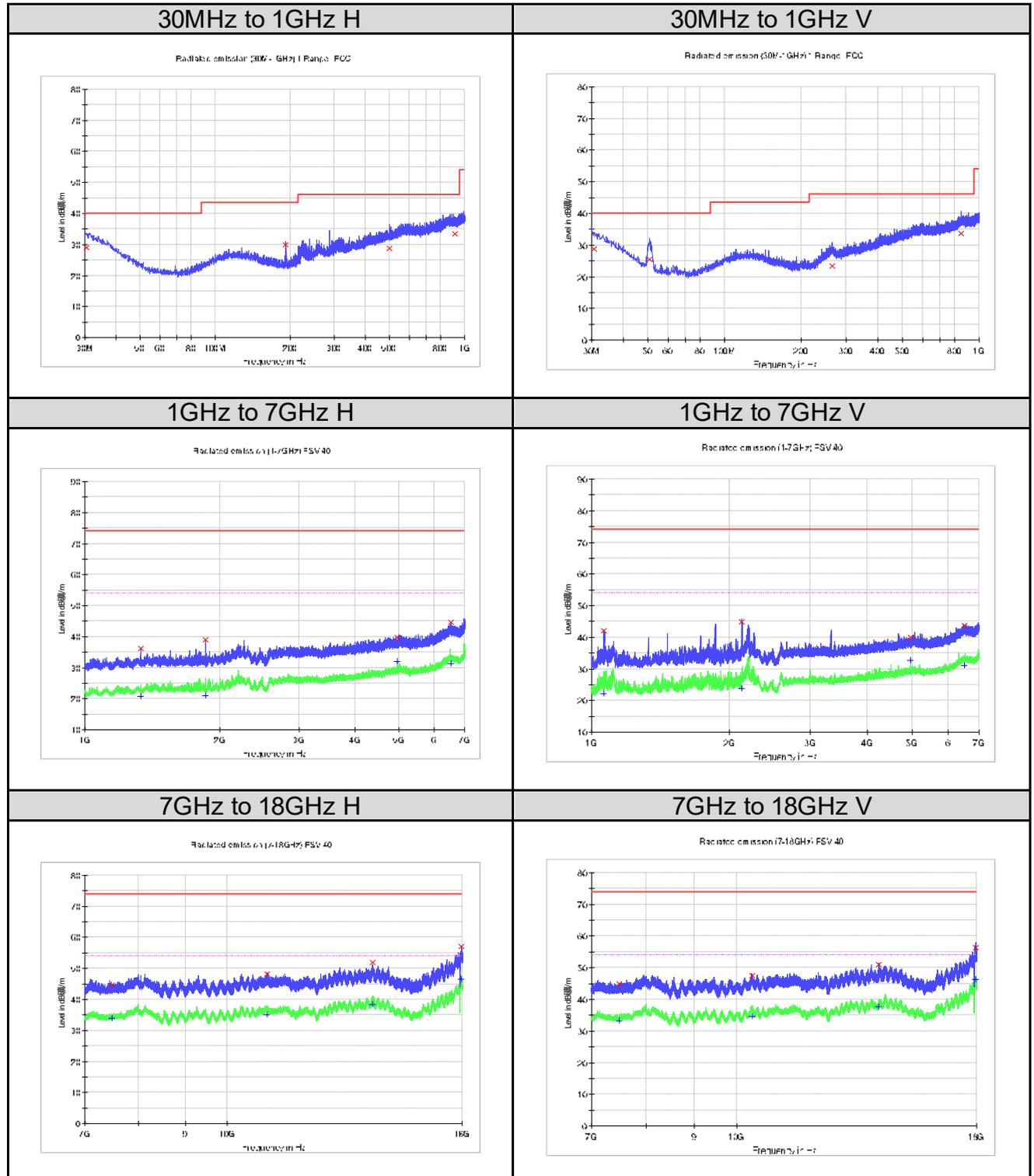
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
33.031250	27.4	H	23.9	12.6	40.0
191.990000	32.1	H	16.0	11.4	43.5
288.020000	32.0	H	19.9	14.0	46.0
895.725000	33.4	H	28.5	12.6	46.0
30.970000	28.7	V	25.2	11.3	40.0
51.218750	22.3	V	14.5	17.7	40.0
263.648750	24.2	V	21.0	21.8	46.0
875.233750	33.6	V	28.5	12.4	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1252.600000	51.2	H	-19.3	22.8	74.0
2922.700000	49.1	H	-15.1	24.9	74.0
4882.300000	39.3	H	-11.3	34.7	74.0
6538.600000	44.5	H	-7.6	29.5	74.0
7500.156250	44.9	H	-5.9	29.1	74.0
10859.625000	47.9	H	-2.5	26.1	74.0
14362.781250	51.7	H	2.3	22.3	74.0
17976.625000	56.1	H	12.0	17.9	74.0
1252.300000	48.7	V	-19.3	25.3	74.0
2127.100000	46.1	V	-16.6	27.9	74.0
4882.000000	41.7	V	-11.3	32.3	74.0
6538.300000	44.0	V	-7.6	30.0	74.0
7531.223000	46.3	V	-5.9	27.7	74.0
11534.750000	48.3	V	-1.7	25.7	74.0
14399.906250	51.5	V	2.4	22.5	74.0
17970.781250	56.1	V	11.9	17.9	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1252.600000	24.1	H	-19.3	29.9	54.0
2922.700000	24.1	H	-15.1	29.9	54.0
4882.300000	32.1	H	-11.3	21.9	54.0
6538.600000	31.3	H	-7.6	22.7	54.0
7500.156250	32.1	H	-5.9	21.9	54.0
10859.625000	35.1	H	-2.5	18.9	54.0
14362.781250	38.9	H	2.3	15.1	54.0
17976.625000	46.3	H	12.0	7.7	54.0
1252.300000	21.8	V	-19.3	32.2	54.0
2127.100000	23.7	V	-16.6	30.3	54.0
4882.000000	34.6	V	-11.3	19.4	54.0
6538.300000	31.3	V	-7.6	22.7	54.0
7531.223000	33.4	V	-5.9	20.6	54.0
11534.750000	35.5	V	-1.7	18.5	54.0
14399.906250	38.5	V	2.4	15.5	54.0
17970.781250	46.5	V	11.9	7.5	54.0

Figure 21: Radiated Spurious Emission, 3-DH5, 2480MHz


Limit and Margin
QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.485000	29.0	H	25.4	11.0	40.0
191.990000	29.9	H	16.0	13.6	43.5
501.420000	28.9	H	25.3	17.1	46.0
916.216250	33.5	H	28.8	12.5	46.0
30.727500	28.8	V	25.3	11.2	40.0
50.733750	25.6	V	14.6	14.4	40.0
264.618750	23.5	V	20.9	22.5	46.0
851.590000	33.7	V	29.0	12.3	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1331.800000	36.1	H	-18.8	37.9	74.0
1858.600000	38.9	H	-18.4	35.1	74.0
4960.000000	39.8	H	-11.2	34.2	74.0
6538.000000	44.6	H	-7.6	29.4	74.0
7499.812500	44.7	H	-6.0	29.3	74.0
11050.750000	48.1	H	-2.4	25.9	74.0
14399.562500	51.8	H	2.4	22.2	74.0
17970.437500	57.1	H	11.9	16.9	74.0
1062.100000	42.1	V	-20.1	31.9	74.0
2127.400000	44.9	V	-16.6	29.1	74.0
4960.000000	39.9	V	-11.2	34.1	74.0
6512.200000	43.6	V	-7.6	30.4	74.0
7499.812500	44.9	V	-6.0	29.1	74.0
10388.687500	47.6	V	-2.7	26.4	74.0
14169.937500	50.9	V	1.2	23.1	74.0
17969.750000	56.3	V	11.8	17.7	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1331.800000	20.7	H	-18.8	33.3	54.0
1858.600000	20.9	H	-18.4	33.1	54.0
4960.000000	31.9	H	-11.2	22.1	54.0
6538.000000	31.3	H	-7.6	22.7	54.0
7499.812500	33.8	H	-6.0	20.2	54.0
11050.750000	35.0	H	-2.4	19.0	54.0
14399.562500	38.4	H	2.4	15.6	54.0
17970.437500	46.5	H	11.9	7.5	54.0
1062.100000	22.2	V	-20.1	31.8	54.0
2127.400000	23.7	V	-16.6	30.3	54.0
4960.000000	32.8	V	-11.2	21.2	54.0
6512.200000	31.1	V	-7.6	22.9	54.0
7499.812500	33.2	V	-6.0	20.8	54.0
10388.687500	34.7	V	-2.7	19.3	54.0
14169.937500	37.7	V	1.2	16.3	54.0
17969.750000	46.4	V	11.8	7.6	54.0

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