

Prüfbericht-Nr.: Test report no.:	CN256888 002	Auftrags-Nr.: Order no.:	326130962	Seite 1 von 81 Page 1 of 81
Kunden-Referenz-Nr.: Client reference no.:	/	Auftragsdatum: Order date:	2025-09-18	
Auftraggeber: Client:	Hannto Technology Co., Ltd. Room 704, Building 1, No. 88, Shengrong Road, Pudong, Shanghai, China			
Prüfgegenstand: Test item:	Portable Photo Printer			
Bezeichnung / Typ-Nr.: Identification / Type no.:	DMP130			
Auftrags-Inhalt: Order content:	Complete test			
Prüfgrundlage: Test specification:	FCC CFR47 Part 15, Subpart C Section 15.247 ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024			
Wareneingangsdatum: Date of sample receipt:	2025-09-22			
Prüfmuster-Nr.: Test sample no.:	A004097853-001			
Prüfzeitraum: Testing period:	2025-10-16~2025-10-28			
Ort der Prüfung: Place of testing:	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:	<u>X Tian Lin Li</u>		genehmigt von: authorized by:	<u>X Yanli Fan</u>
Datum: Date:	2025-11-19	Signed by: Tianlin Li	Datum: Date:	2025-11-19 Signed by: Yanli Fan
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert
Sonstiges / Other:	FCC ID: 2AZHDDMP130			
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged			
* 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				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

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Anmerkungen Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <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>
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4	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 bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <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>

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

Null.

2. Test Sites

2.1 Test Facilities

TÜV Rheinland (Shanghai) Co., Ltd.

No.14 building and north half of No.10 workshop building, No.525, Yuewang Lingang South Road, Pingqian (Taicang) Modern Industrial Park, Shaxi Town, Taicang City, Jiangsu Province, P.R. 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.

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-195	EMI test receiver	ESR3	102794	2026-08-02
EMC-C-366	Thermohygrometer	608-H1	2485149174	2026-07-11
EMC-S-028	EMI measurement software	EMC32-E+ (10.60.20)	100150	N/A
EMC-C-190	Artificial mains network	ENV432	101514	2026-09-02
EMC-S-036	RF measurement software	WMS32-WB (11.40.00)	101516	N/A
EMC-C-161	Spectrum analyser	FSV40	101258	2026-07-11
EMC-C-196	Wireless connectivity tester	CMW270	102435	2027-08-09
EMC-C-302	Signal generator	SMB100B (6 GHz)	103832	2025-12-10
EMC-C-303	Vector signal generator	SMW200A	110702	2025-12-10
EMC-C-304	OSP	OSP-B157W8	100857	2025-12-10
EMC-C-317	Thermohygrometer	608-H1	2283796621	2026-06-10
EMC-S-032	EMI measurement software	EMC32-MEB (10.60.20)	100697	N/A
EMC-C-018	Double ridged horn antenna	BBHA 9120 D	9120D-434	2026-03-24
EMC-C-066	EMI test receiver	ESCI	100280	2026-09-28
EMC-C-068	Broadband horn antenna	BBHA 9170	9170-305	2028-06-18
EMC-C-121	Thermohygrometer	608-H1	1241320265	2026-06-05
EMC-C-155	BiLog antenna	CBL 6112D	40530	2026-09-24
EMC-C-175	Preamplifier	EMC051845SE	980612	2026-07-11
EMC-C-176	Preamplifier	EMC184045SE	980596	2026-07-11
EMC-C-001	3 m semi-anechoic chamber	SAC3	FJ129002	2026-12-03

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	±3.39dB
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 Portable Photo Printer which contains Bluetooth LE and classic function.

This report is only evaluates Bluetooth Classic function.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Description of EUT	
Product Name:	Portable Photo Printer
Model No.:	DMP130
Operation Voltage:	DC 5V
Technical Specification of Bluetooth LE	
Frequency Range:	2402 – 2480MHz
Modulation Type:	GFSK
Data Rate:	1Mb/s
Antenna Type:	PCB Antenna
Antenna Gain:	0.51dBi
Technical Specification of Bluetooth Classic	
Frequency Range:	2402 – 2480MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8-DPSK
Antenna Type:	PCB Antenna
Antenna Gain:	0.51 dBi

Table 4: RF Channel List

RF Channel	Frequency [MHz]	RF Channel	Frequency [MHz]	RF Channel	Frequency [MHz]	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. On, Bluetooth Classic transmitting 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: BR BlueletSuite_v6_0.exe

Table 5: Power parameter value

Packet Type	Channel Frequency [MHz]	Power Parameter Value
1-DH5	Transmitting mode	100A
	Hopping mode	100A
2-DH5	Transmitting mode	100A
	Hopping mode	100A
3-DH5	Transmitting mode	100A
	Hopping mode	100A

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	Brand	Model Number	Serial number
Laptop	Lenovo	EMC-COMP-026	PF-49VKS3
Charger	UGREEN	CD137	/

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 0.51 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	

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

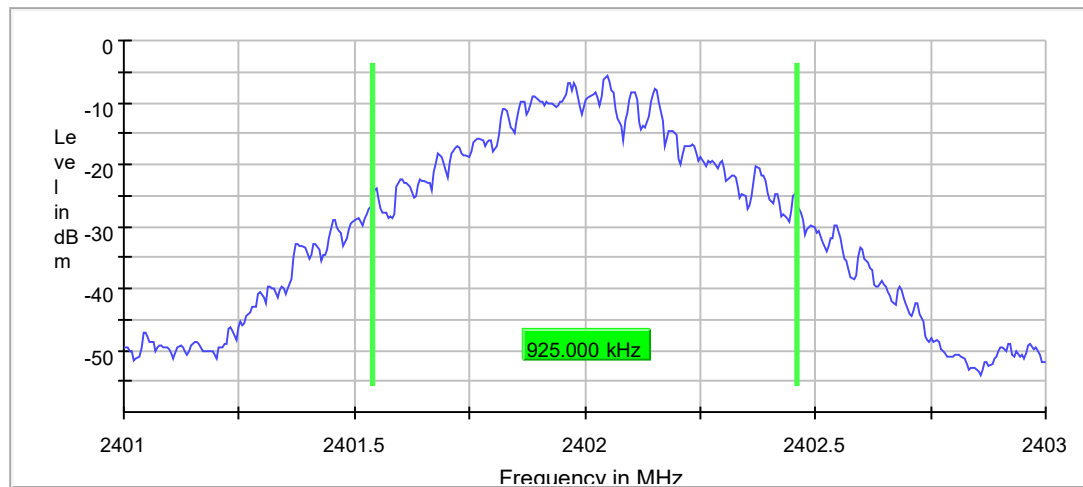
Date of testing : 2025-10-16
Ambient temperature : 21.4°C
Relative humidity : 50.3%
Atmospheric pressure : 101kPa
Test requirement : FCC Part 15.247(a)(1)
Test procedure : ANSI C63.10-2020+COR. 1-2023+C63.10A-
2024+ERRATA TO C63.10A-2024
Test voltage : DC 5V
Test modes applied : A

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20dB Bandwidth, 1-DH5, 2402MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.925000	---	---	2401.537500	2402.462500

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-5.7	PASS

20 dB Bandwidth


Measurement

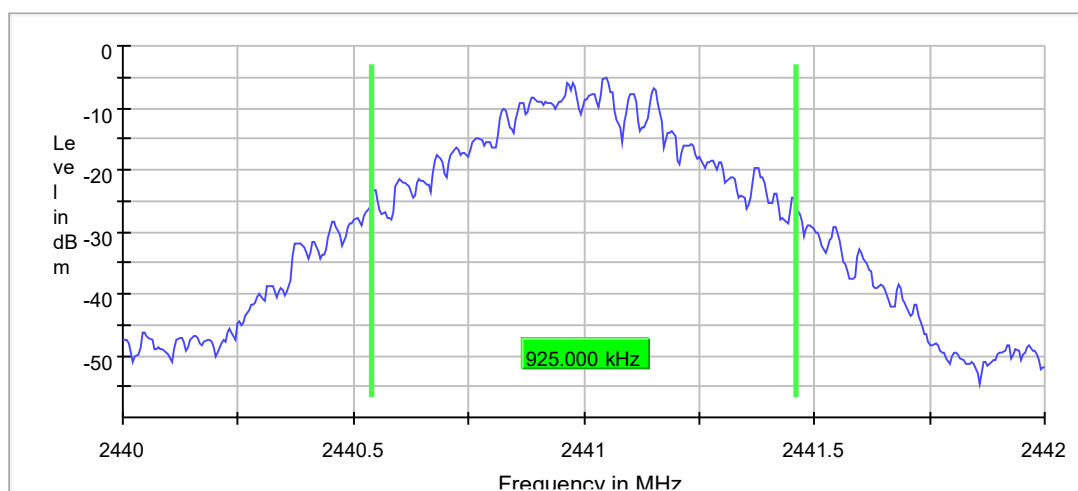
Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 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	0.17 dB	0.50 dB

20dB Bandwidth, 1-DH5, 2441MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	0.925000	---	---	2440.537500	2441.462500

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-4.9	PASS

20 dB Bandwidth


Measurement

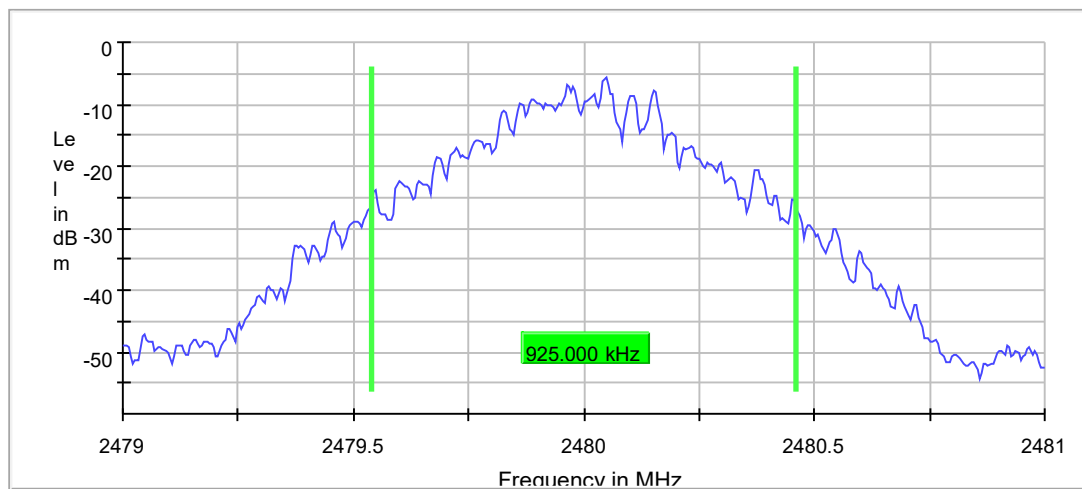
Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
Sweeptime	189.648 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	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	0.10 dB	0.50 dB

20dB Bandwidth, 1-DH5, 2480MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.925000	---	---	2479.537500	2480.462500

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-5.8	PASS

20 dB Bandwidth


Measurement

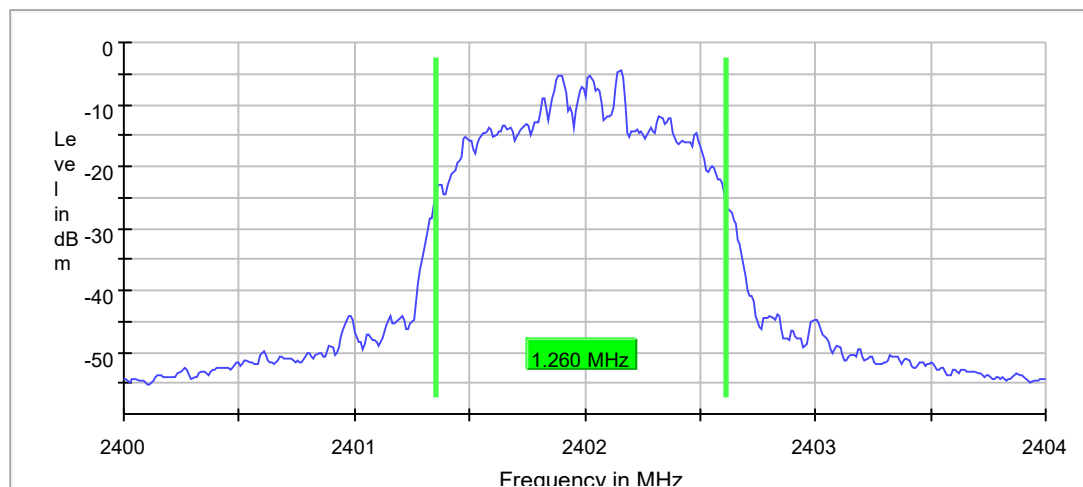
Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
Sweptime	189.648 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	13 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.02 dB	0.50 dB

20dB Bandwidth, 2-DH5, 2402MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.260000	---	---	2401.355000	2402.615000

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-4.4	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
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	17 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.11 dB	0.50 dB

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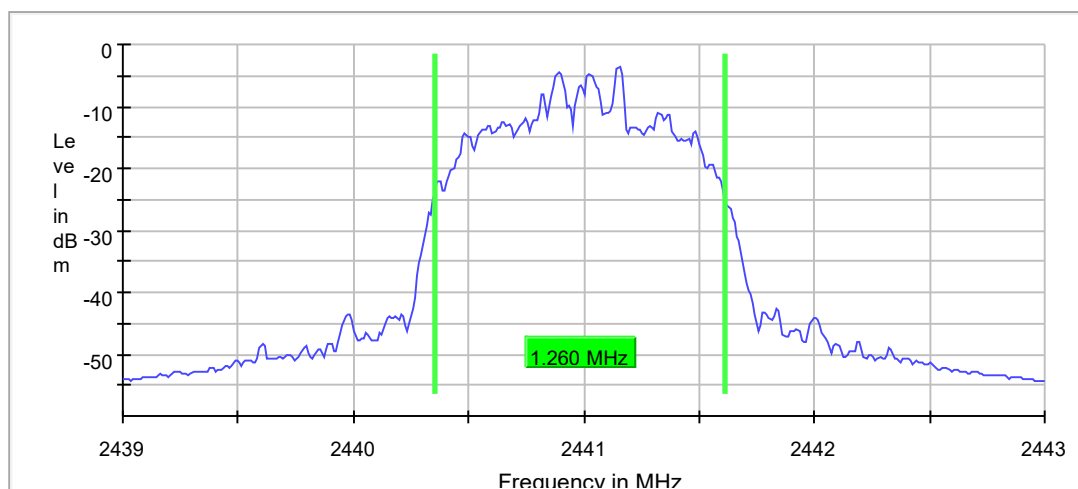
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20dB Bandwidth, 2-DH5, 2441MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.260000	---	---	2440.355000	2441.615000

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-3.6	PASS

20 dB Bandwidth



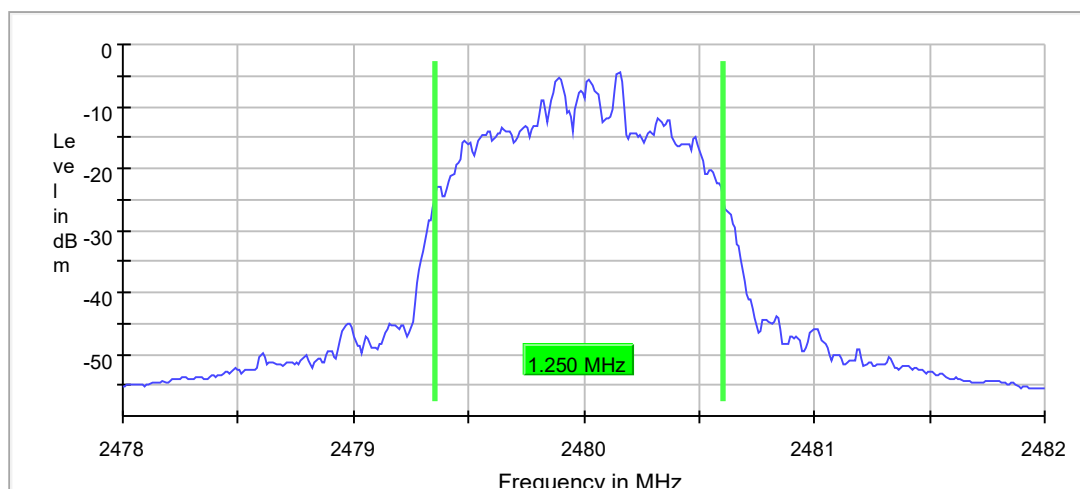
Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweeptime	94.824 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	16 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.12 dB	0.50 dB

20dB Bandwidth, 2-DH5, 2480MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.250000	---	---	2479.355000	2480.605000

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-4.6	PASS

20 dB Bandwidth


Measurement

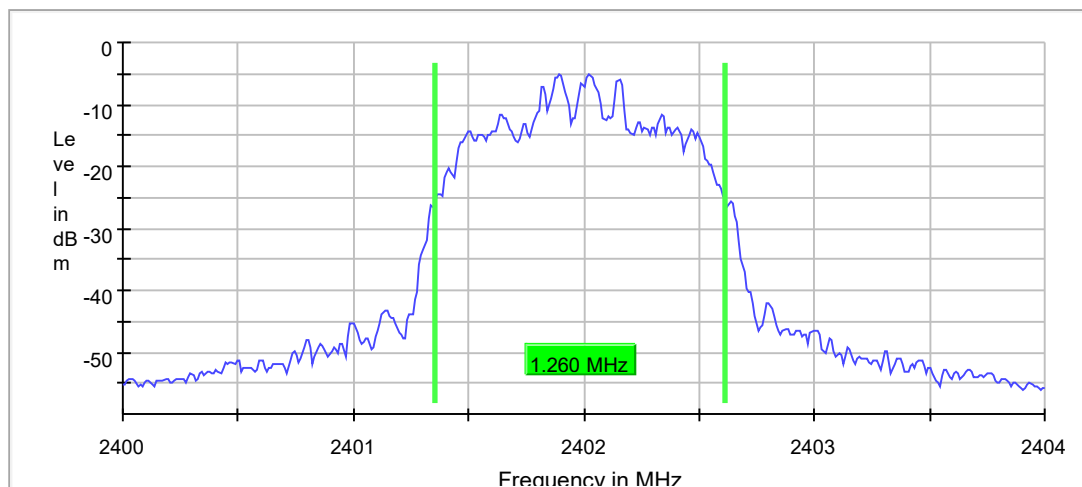
Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
SweepTime	94.824 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	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	0.28 dB	0.50 dB

20dB Bandwidth, 3-DH5, 2402MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.260000	---	---	2401.355000	2402.615000

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-5.2	PASS

20 dB Bandwidth


Measurement

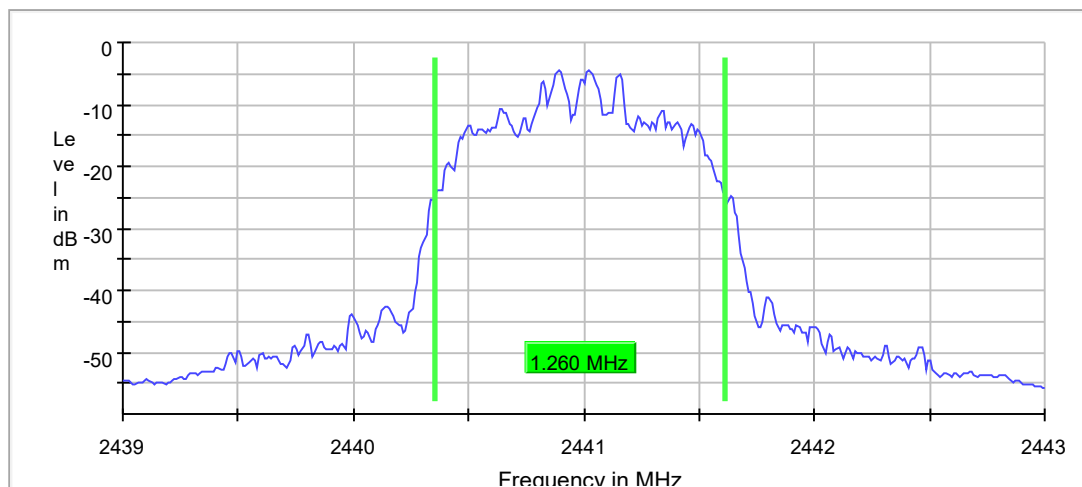
Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
SweepTime	94.824 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 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	14 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.40 dB	0.50 dB

20dB Bandwidth, 3-DH5, 2441MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.260000	---	---	2440.355000	2441.615000

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-4.4	PASS

20 dB Bandwidth



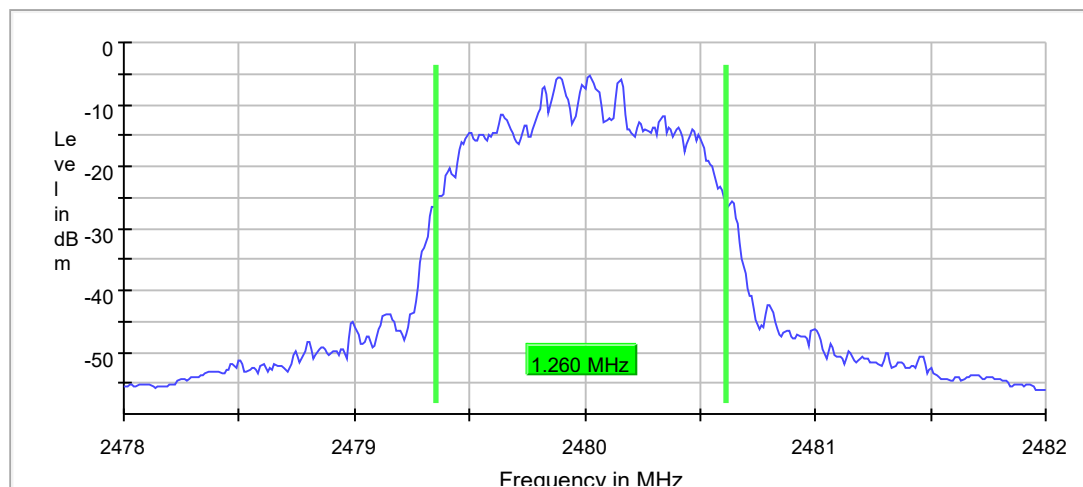
Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	16 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.12 dB	0.50 dB

20dB Bandwidth, 3-DH5, 2480MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.260000	---	---	2479.355000	2480.615000

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-5.5	PASS

20 dB Bandwidth


Measurement

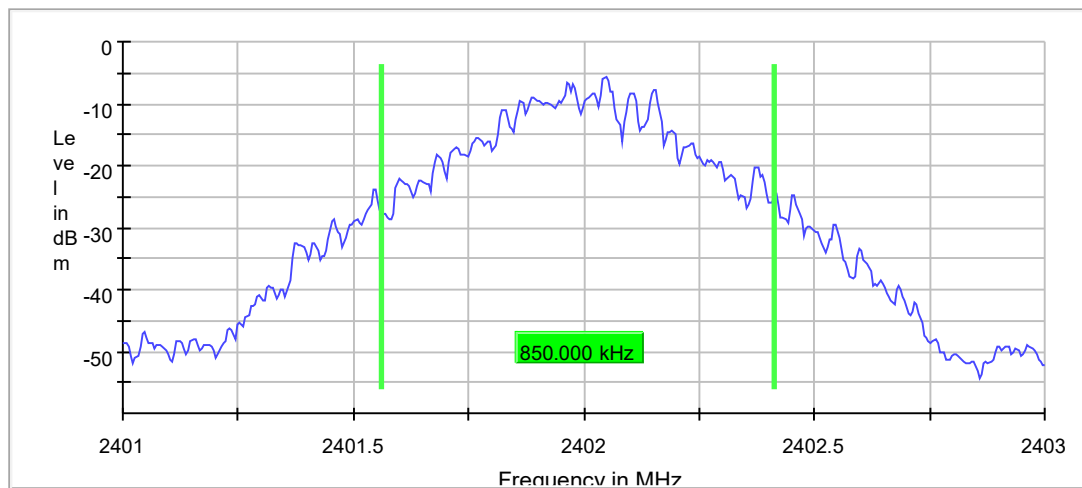
Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
SweepTime	94.824 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	17 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.09 dB	0.50 dB

99% Occupied Channel Bandwidth, 1-DH5, 2402MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.850000	---	---	2401.562500	2402.412500

DUT Frequency (MHz)	Result
2402.000000	PASS

99 % Bandwidth


Measurement

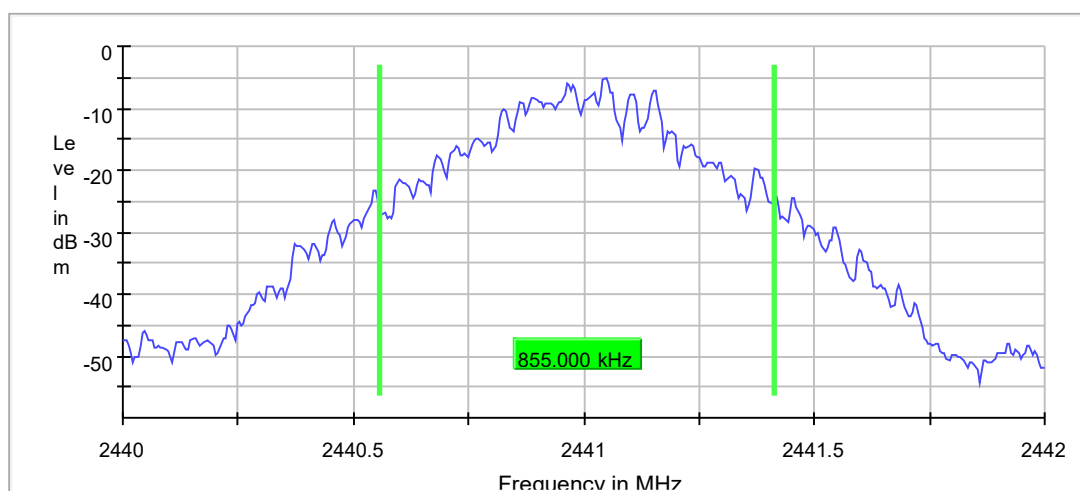
Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
Sweptime	189.648 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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	0.11 dB	0.30 dB

99% Occupied Channel Bandwidth, 1-DH5, 2441MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	0.855000	---	---	2440.557500	2441.412500

DUT Frequency (MHz)	Result
2441.000000	PASS

99 % Bandwidth


Measurement

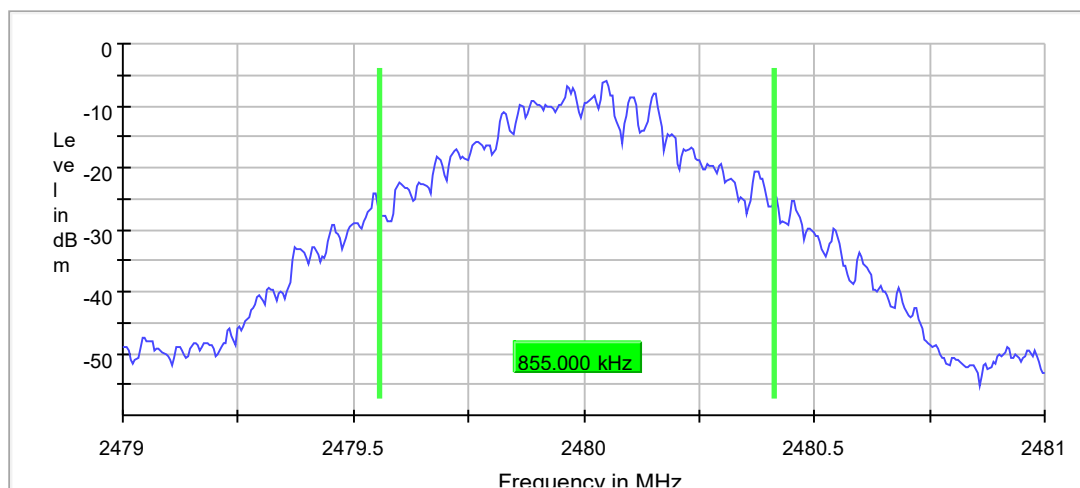
Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
Sweptime	189.648 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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	5 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.19 dB	0.30 dB

99% Occupied Channel Bandwidth, 1-DH5, 2480MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.855000	---	---	2479.557500	2480.412500

DUT Frequency (MHz)	Result
2480.000000	PASS

99 % Bandwidth


Measurement

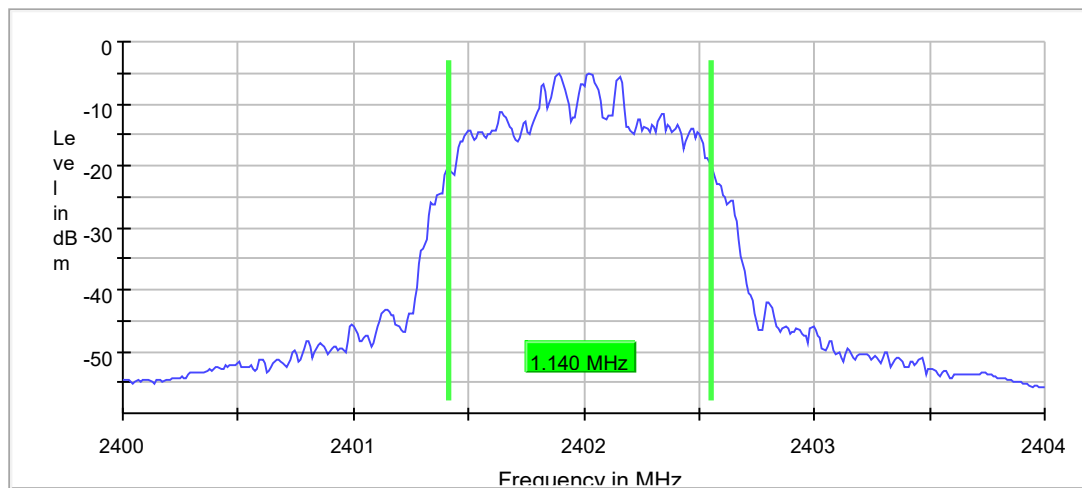
Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
Sweptime	189.648 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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	0.13 dB	0.30 dB

99% Occupied Channel Bandwidth, 2-DH5, 2402MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.140000	---	---	2401.415000	2402.555000

DUT Frequency (MHz)	Result
2402.000000	PASS

99 % Bandwidth


Measurement

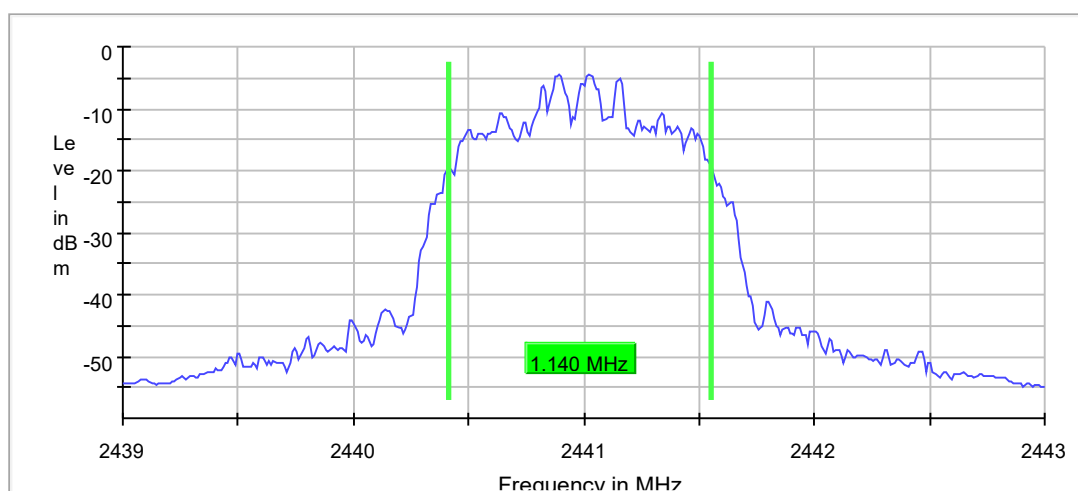
Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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	0.12 dB	0.30 dB

99% Occupied Channel Bandwidth, 2-DH5, 2441MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.140000	---	---	2440.415000	2441.555000

DUT Frequency (MHz)	Result
2441.000000	PASS

99 % Bandwidth


Measurement

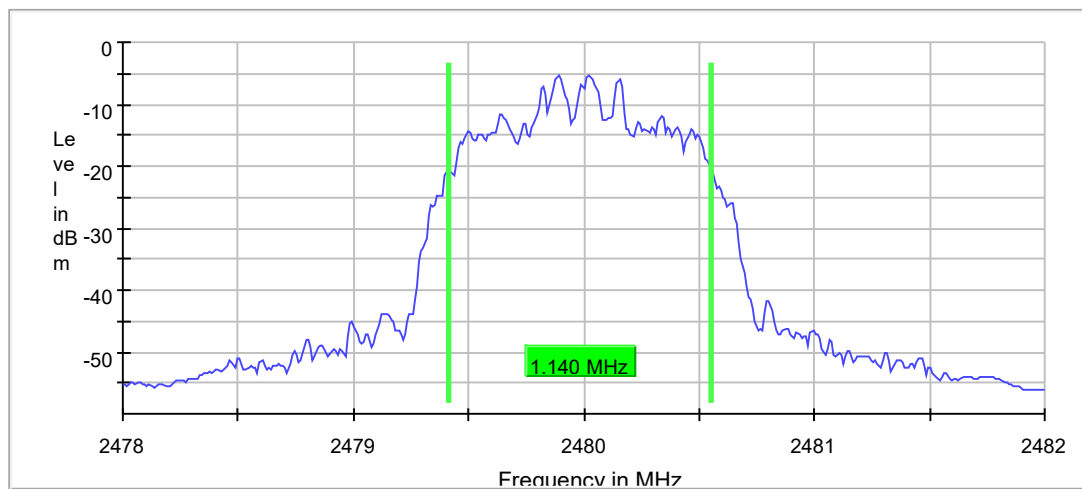
Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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	12 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.14 dB	0.30 dB

99% Occupied Channel Bandwidth, 2-DH5, 2480MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.140000	---	---	2479.415000	2480.555000

DUT Frequency (MHz)	Result
2480.000000	PASS

99 % Bandwidth


Measurement

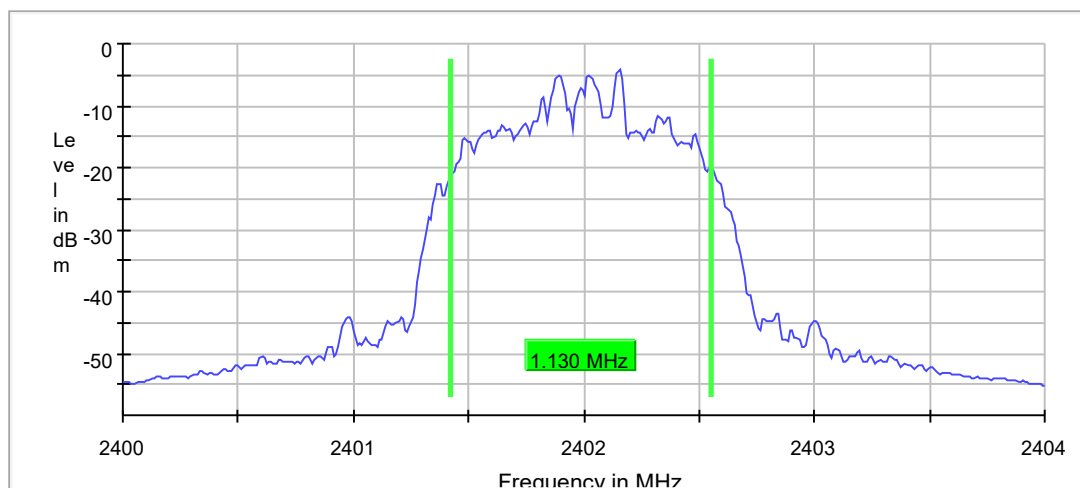
Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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	13 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.15 dB	0.30 dB

99% Occupied Channel Bandwidth, 3-DH5, 2402MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.130000	---	---	2401.425000	2402.555000

DUT Frequency (MHz)	Result
2402.000000	PASS

99 % Bandwidth


Measurement

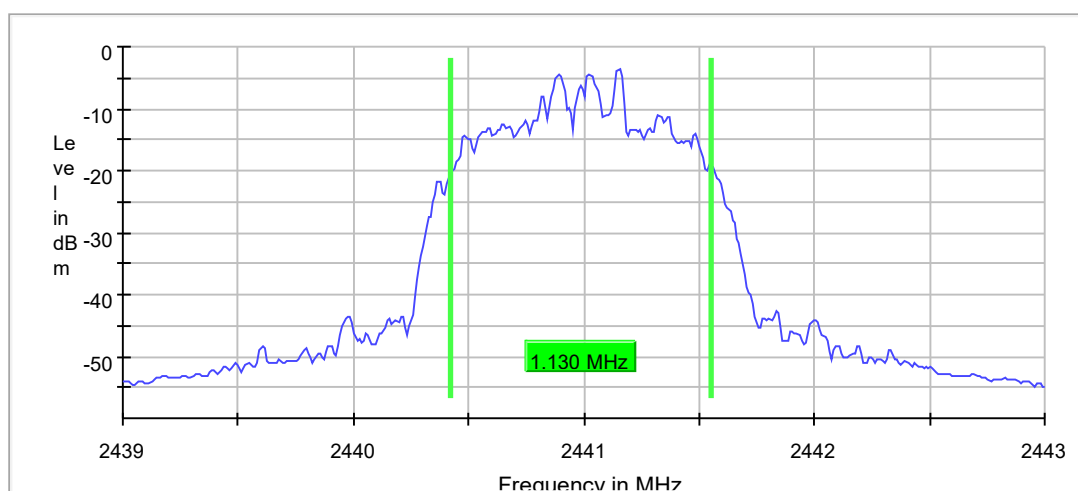
Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 µs	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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	11 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.25 dB	0.30 dB

99% Occupied Channel Bandwidth, 3-DH5, 2441MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.130000	---	---	2440.425000	2441.555000

DUT Frequency (MHz)	Result
2441.000000	PASS

99 % Bandwidth


Measurement

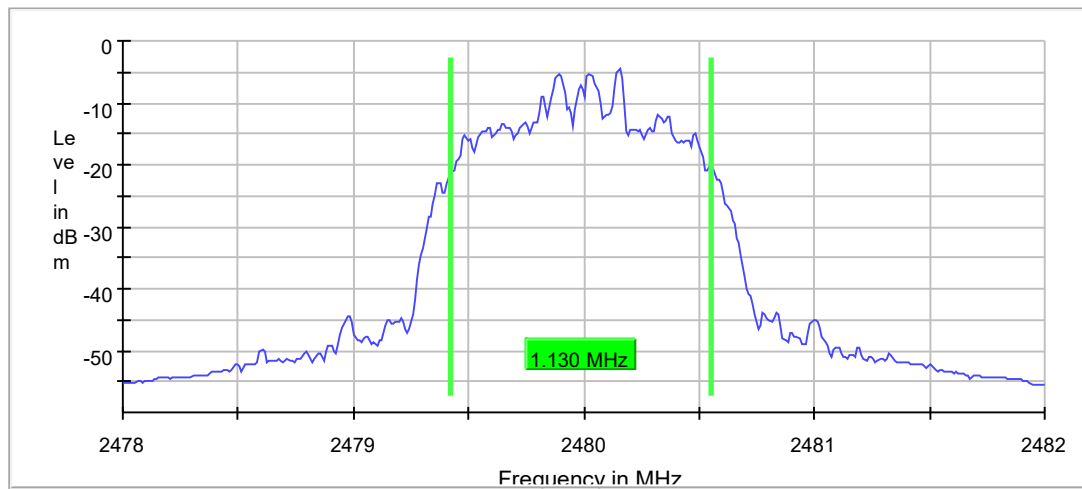
Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	≥ 20.000 kHz
VBW	100.000 kHz	≥ 60.000 kHz
SweepPoints	400	~ 400
Sweptime	94.824 μ s	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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	10 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.05 dB	0.30 dB

99% Occupied Channel Bandwidth, 3-DH5, 2480MHz

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.130000	---	---	2479.425000	2480.555000

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	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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	0.13 dB	0.30 dB

5.1.3 Peak Output Power

RESULT:
Pass

Date of testing : 2025-10-16
 Ambient temperature : 21.4°C
 Relative humidity : 50.3%
 Atmospheric pressure : 101kPa
 Test requirement : FCC Part 15.247(b)(1)
 Test procedure : ANSI C63.10-2020+COR. 1-2023+C63.10A-2024+ERRATA TO C63.10A-2024
 Test voltage : DC 5V
 Test modes applied : A

Table 9: Peak Output Power

Test Mode	Frequency [MHz]	Maximum Peak Conducted Output Power [dBm]	Limit [dBm]	Maximum EIRP [dBm]	EIRP Limit [dBm]
1-DH5	2402	0.0	21	0.51	27
1-DH5	2441	0.4	21	0.91	27
1-DH5	2480	-0.4	21	0.11	27
2-DH5	2402	-3.0	21	-2.49	27
2-DH5	2441	-2.5	21	-1.99	27
2-DH5	2480	-3.3	21	-2.79	27
3-DH5	2402	-3.0	21	-2.49	27
3-DH5	2441	-2.5	21	-1.99	27
3-DH5	2480	-3.2	21	--2.69	27

Note:

1. The cable loss is taken into account in results.
2. EIRP=Conducted Output Power + Antenna Gain (0.51dBi), which is far below the 0.5W (27dBm).

5.1.4 Frequency Separation

RESULT:**Pass**

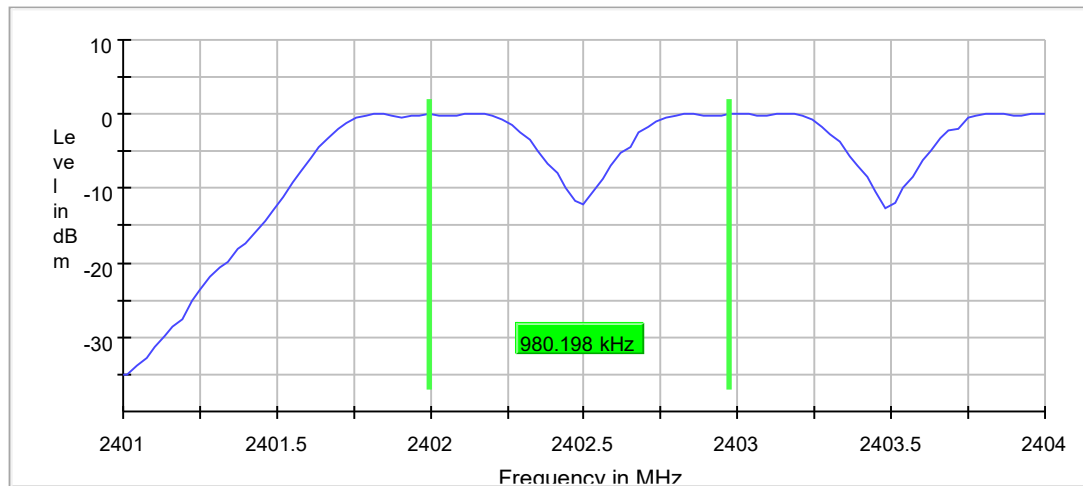
Date of testing	:	2025-10-16
Ambient temperature	:	21.4°C
Relative humidity	:	50.3%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(a)(1)
Test procedure	:	ANSI C63.10-2020+COR. 1-2023+C63.10A-2024+ERRATA TO C63.10A-2024
Test voltage	:	DC 5V
Test modes applied	:	A

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	0.616667	---	2401.995050	2402.975248

DUT Frequency (MHz)	Result
2402.000000	PASS

CFS



Measurement

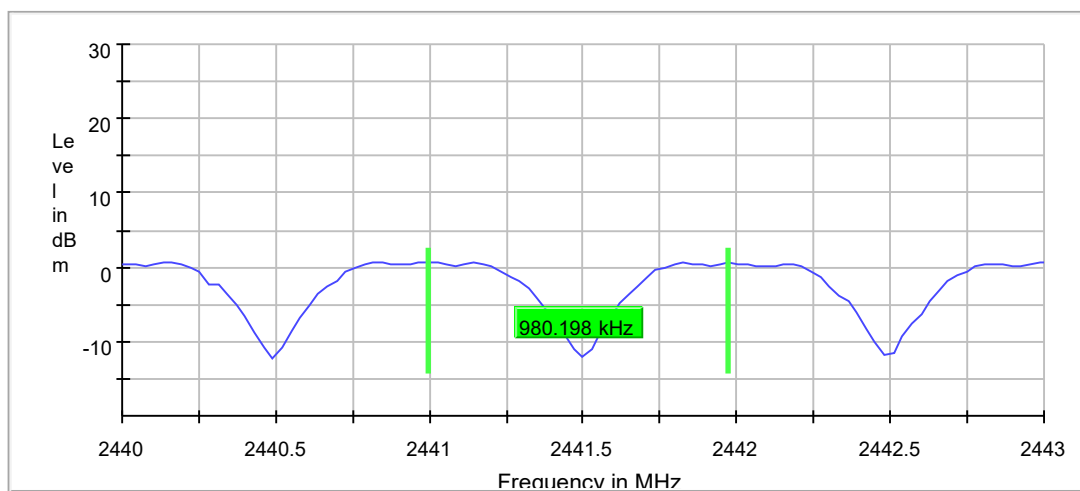
Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
SweepTime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	31 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.06 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	0.616667	---	2440.995050	2441.975248

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
Sweptime	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	16 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.50 dB

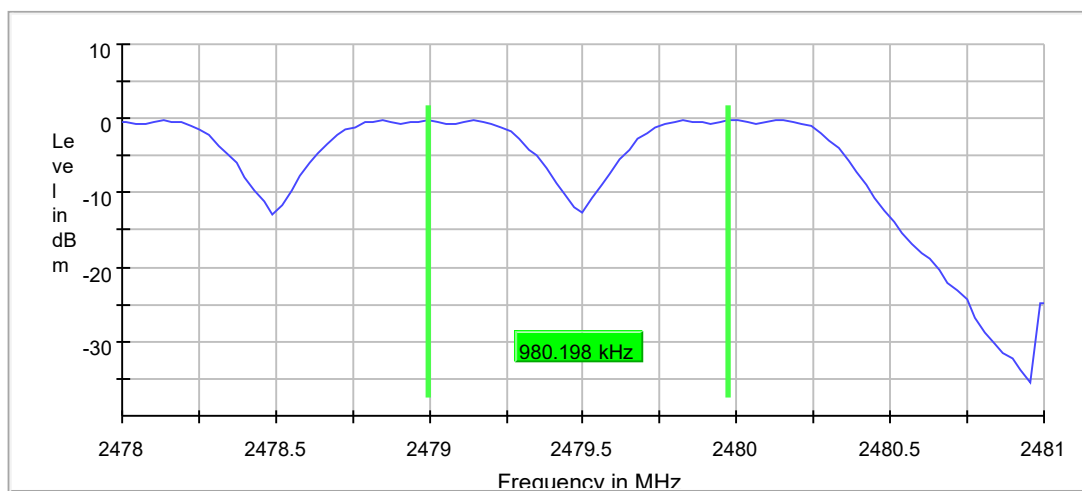
Carrier Frequency Separation (1-DH5, 2480 MHz)

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	0.616667	---	2478.995050	2479.975248

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

DUT Frequency (MHz)	Result
2480.000000	PASS

CFS



Measurement

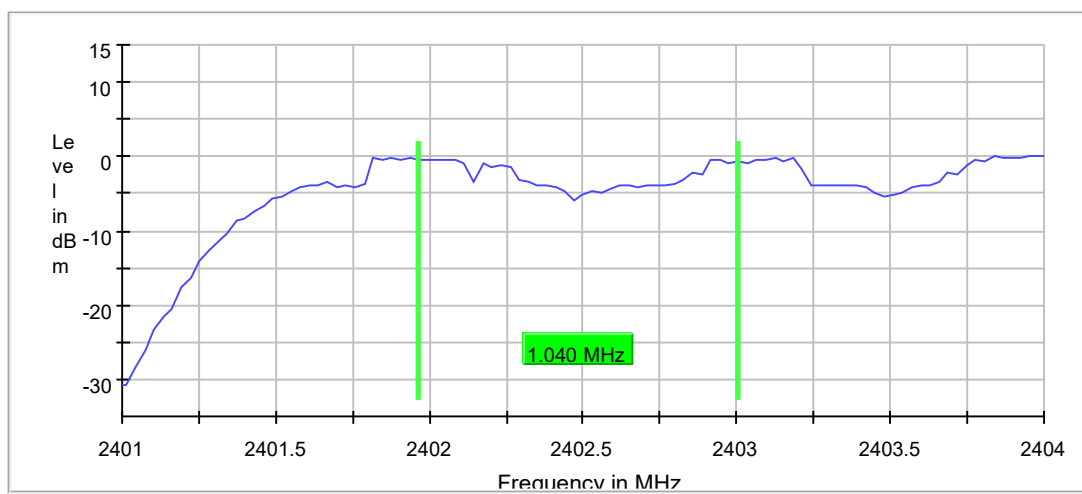
Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
Sweptime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 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	0.21 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	1.039603	0.840000	---	2401.965347	2403.004950

DUT Frequency (MHz)	Result
2402.000000	PASS

CFS



Measurement

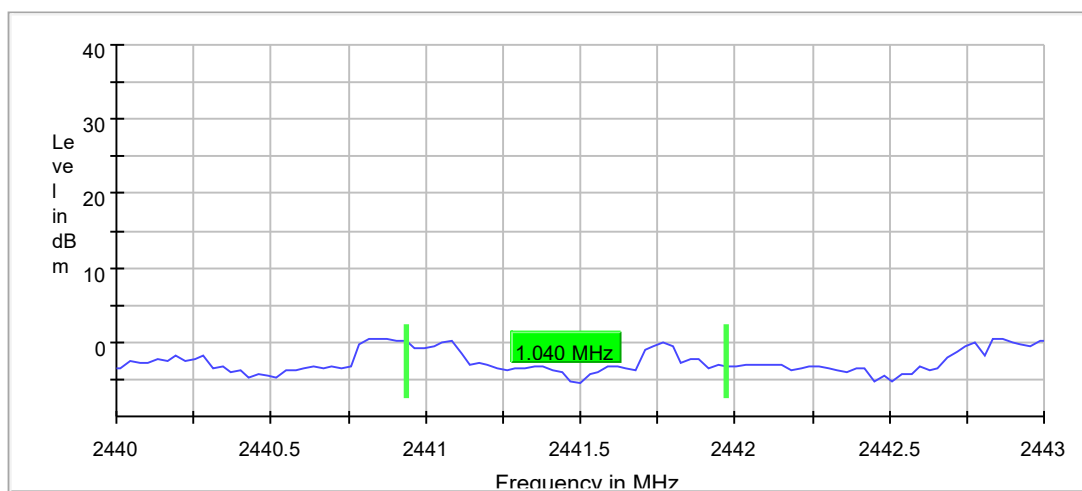
Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
SweepTime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	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	54 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.04 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	1.039604	0.840000	---	2440.935644	2441.975248

DUT Frequency (MHz)	Result
2441.000000	PASS

CFS



Measurement

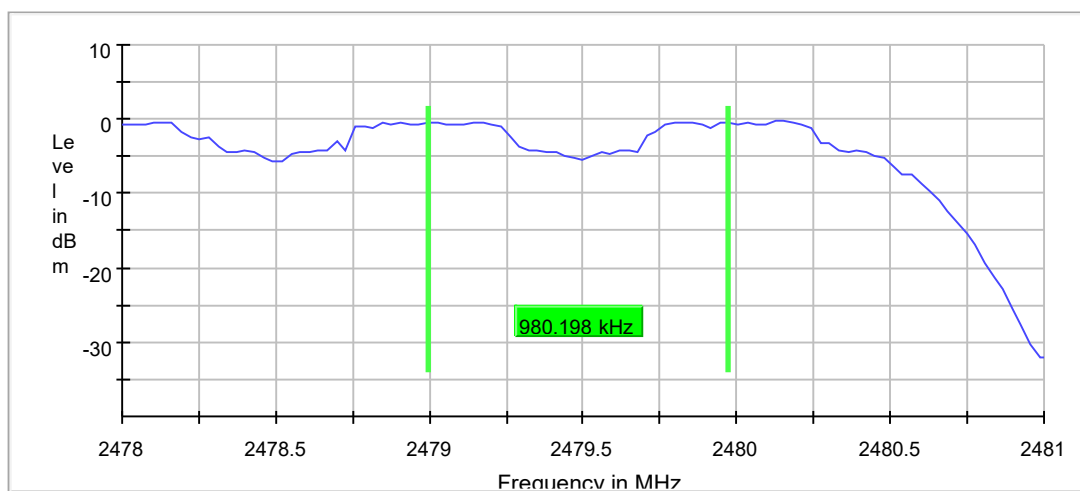
Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
SweepTime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	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	12 / 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	0.840000	---	2478.995050	2479.975248

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
Sweptime	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	64 / max. 150	max. 150
Stable	10 / 10	10

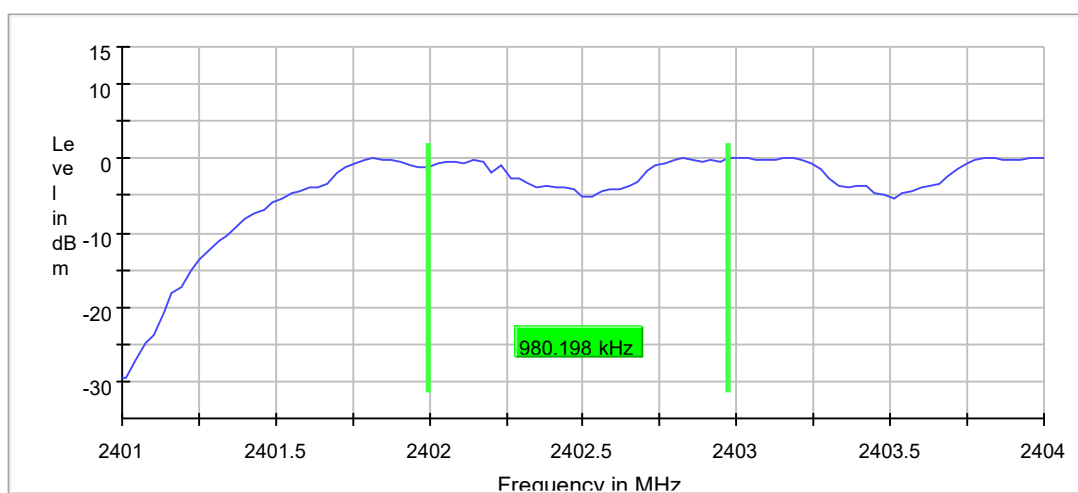
Max Stable Difference	0.08 dB	0.50 dB
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Carrier Frequency Separation (3-DH5, 2402 MHz)

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2402.000000	0.980198	0.840000	---	2401.995050	2402.975248

DUT Frequency (MHz)	Result
2402.000000	PASS

CFS



Measurement

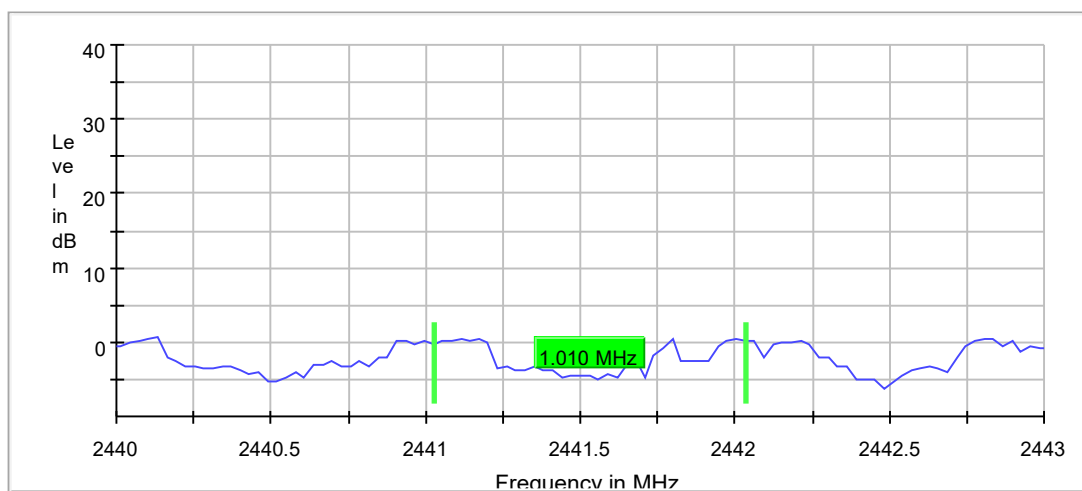
Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
SweepTime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	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	87 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.28 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	0.840000	---	2441.024752	2442.034653

DUT Frequency (MHz)	Result
2441.000000	PASS

CFS



Measurement

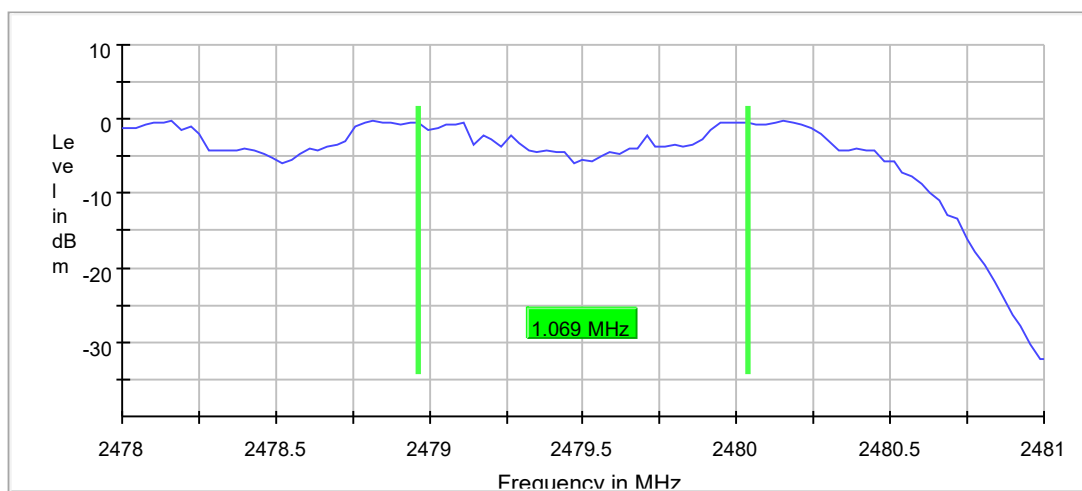
Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
SweepTime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	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	12 / 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	1.069306	0.833333	---	2478.965347	2480.034653

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	54 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.50 dB

5.1.5 Number of Hopping Frequency

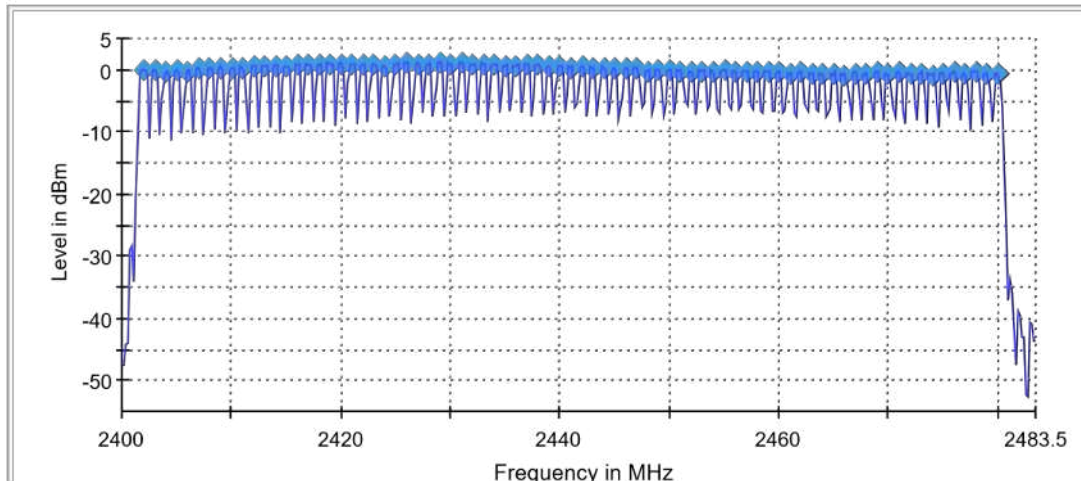
RESULT:**Pass**

Date of testing	:	2025-10-16
Ambient temperature	:	21.4°C
Relative humidity	:	50.3%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC 15.247(a)(1)(iii)
Test procedure	:	ANSI C63.10-2020+COR. 1-2023+C63.10A- 2024+ERRATA TO C63.10A-2024
Test voltage	:	DC 5V
Test modes applied	:	A

Hopping Frequencies (1-DH5)

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

Sequence



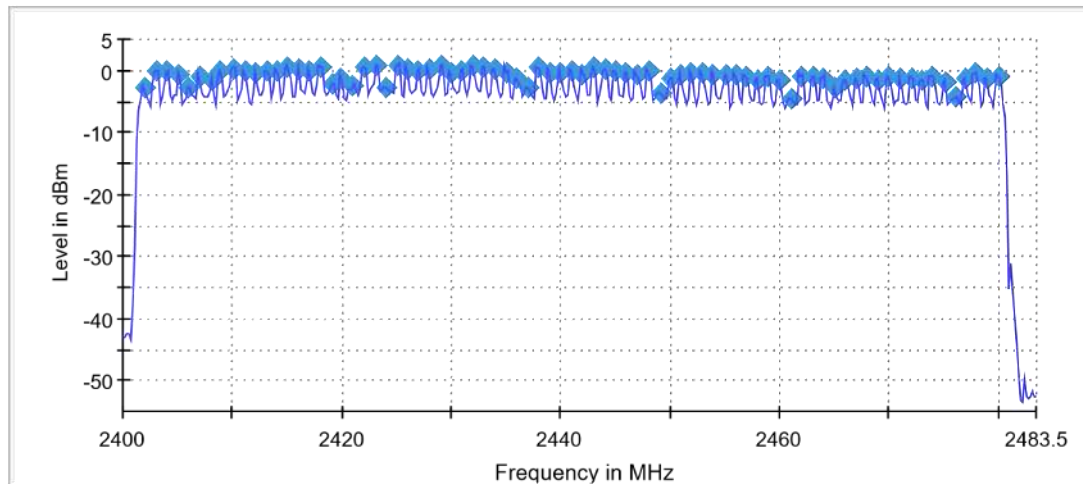
Measurement

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
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	81 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.38 dB	0.50 dB

Hopping Frequencies (2-DH5)

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

Sequence



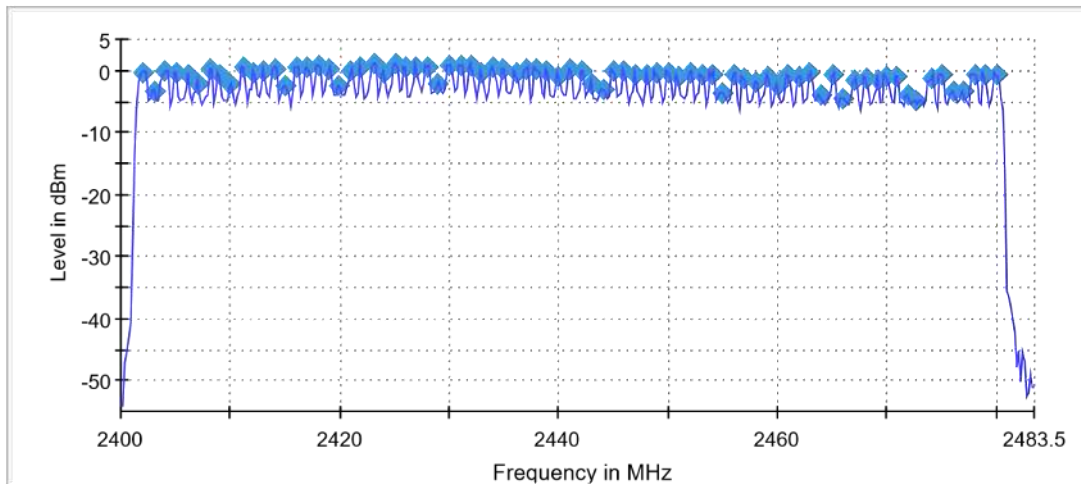
Measurement

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	110 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 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
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	132 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

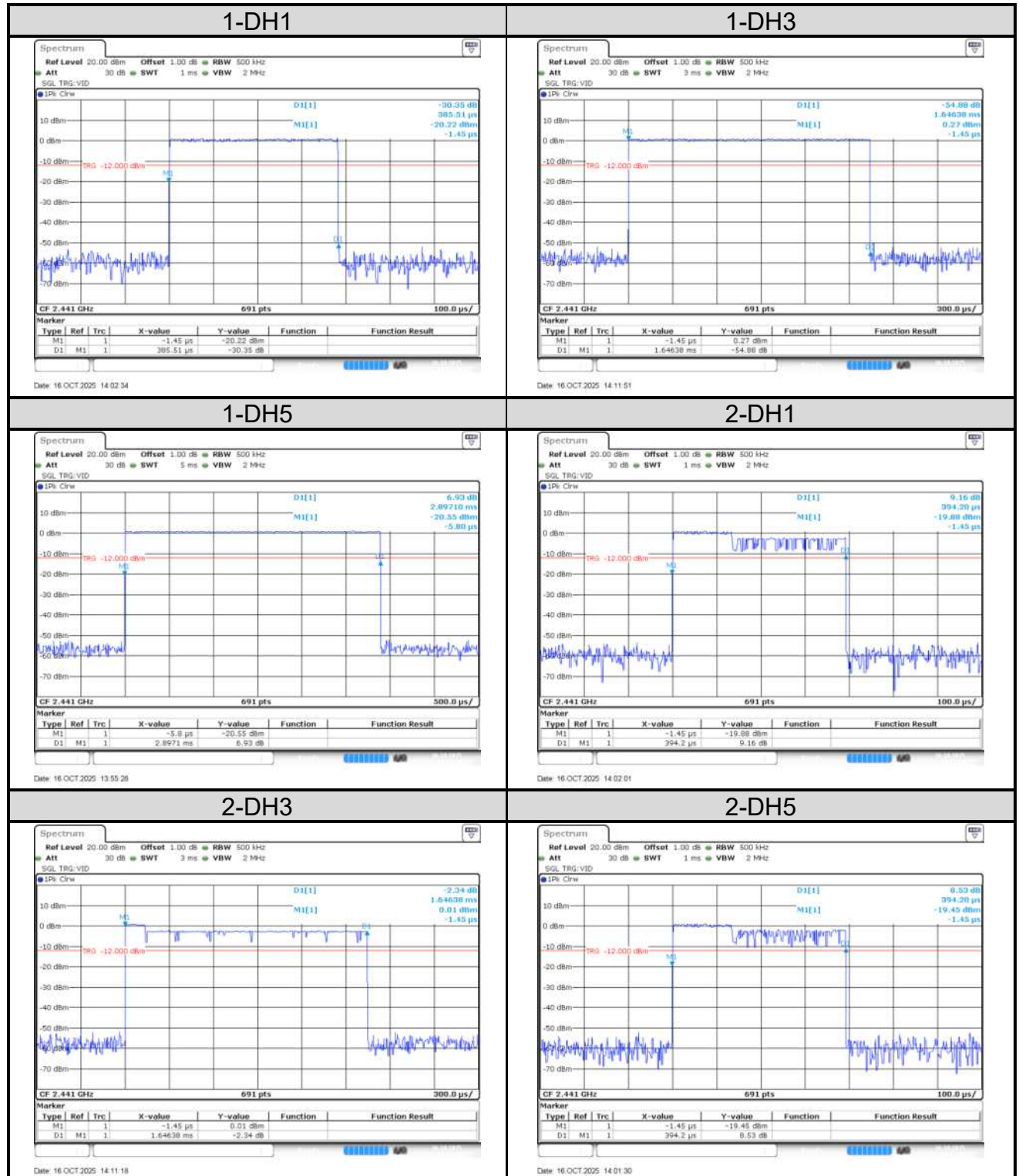
5.1.6 Time of Occupancy

RESULT:
Pass

Date of testing : 2025-10-16
 Ambient temperature : 21.4°C
 Relative humidity : 50.3%
 Atmospheric pressure : 101kPa
 Test requirement : FCC 15.247(a)(1)(iii)
 Test procedure : ANSI C63.10-2020+COR. 1-2023+C63.10A-2024+ERRATA TO C63.10A-2024
 Test voltage : DC 5V
 Test modes applied : A

Table 10: Time of Occupancy

Mode	Frequency [MHz]	Dwell Time [ms]	Number of Hops	Time of Occupancy [ms]	Limit [ms]
1-DH1	2441	0.386	204	78.744	400
1-DH3	2441	1.646	196	322.616	400
1-DH5	2441	2.897	136	393.992	400
2-DH1	2441	0.394	199	78.406	400
2-DH3	2441	1.646	176	289.696	400
2-DH5	2441	2.897	136	393.992	400
3-DH1	2441	0.394	178	70.132	400
3-DH3	2441	1.646	156	256.776	400
3-DH5	2441	2.897	130	376.610	400

Figure 1: Dwell Time


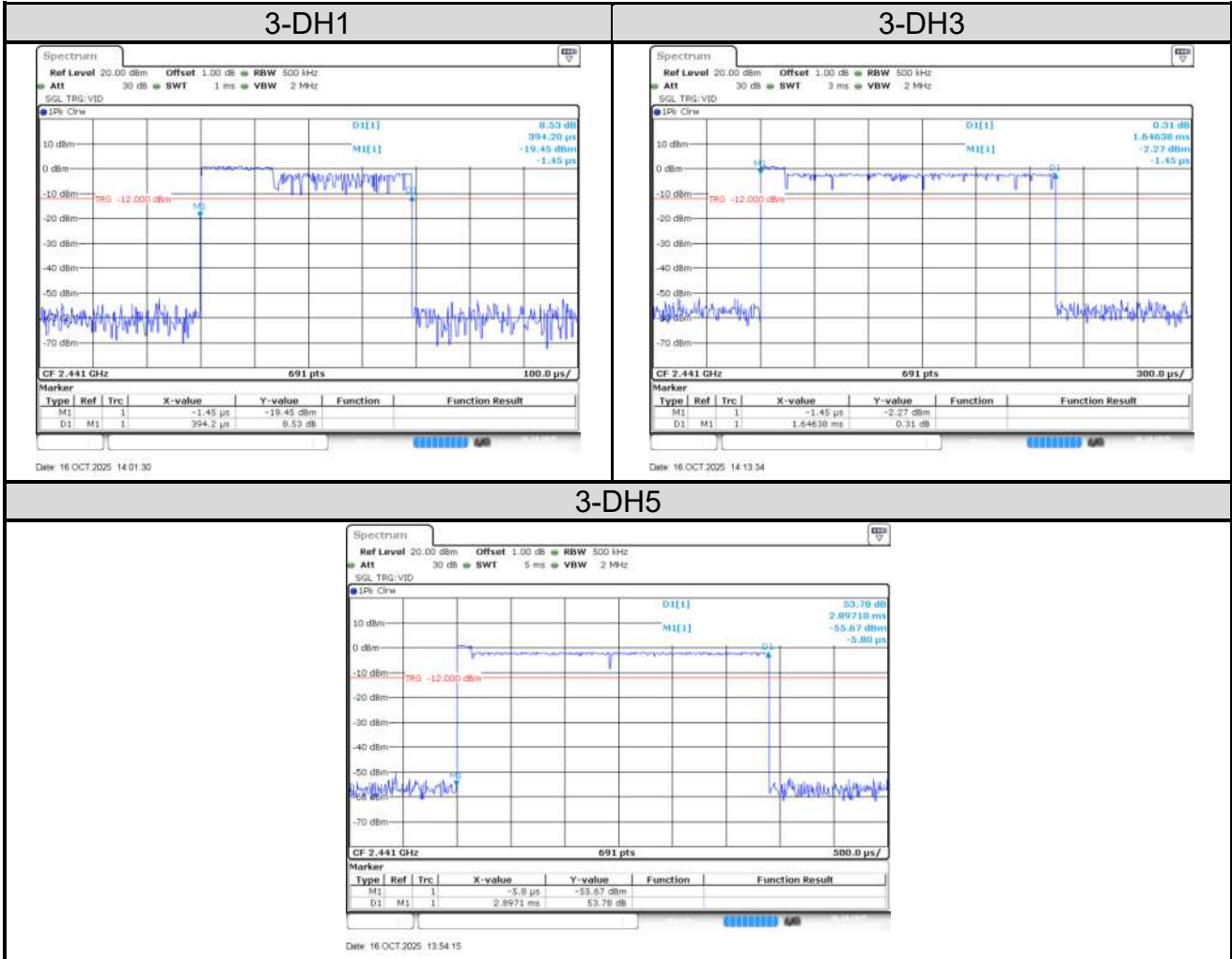
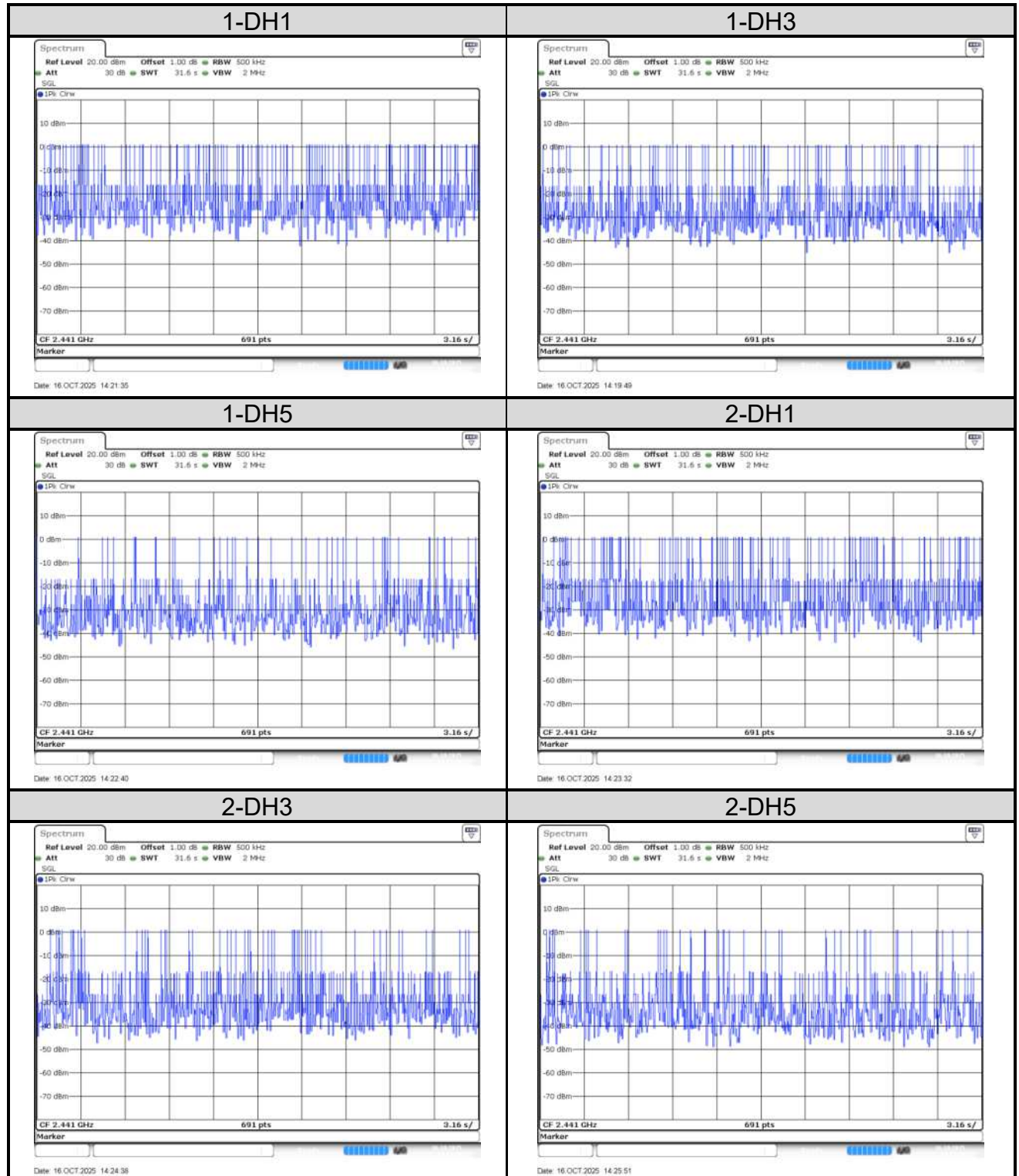
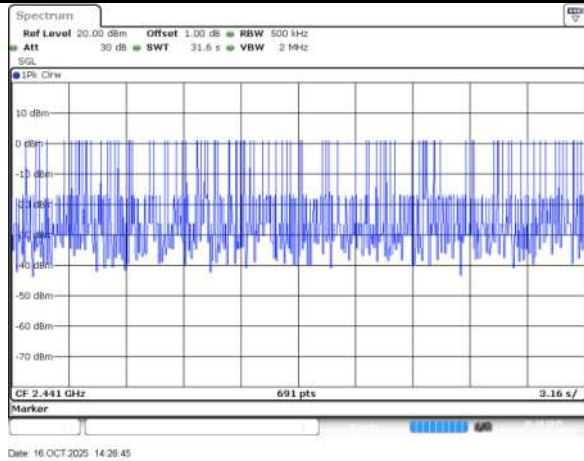
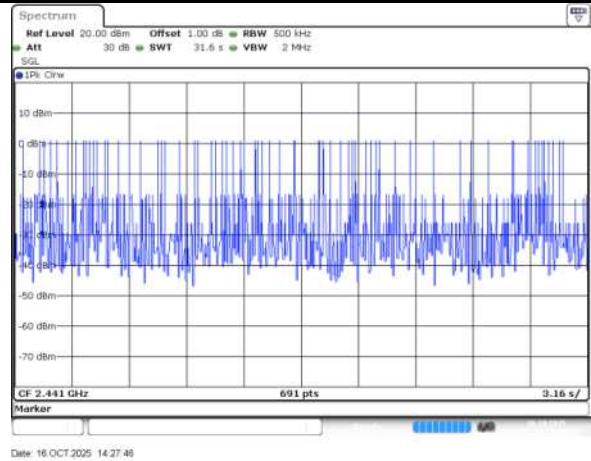
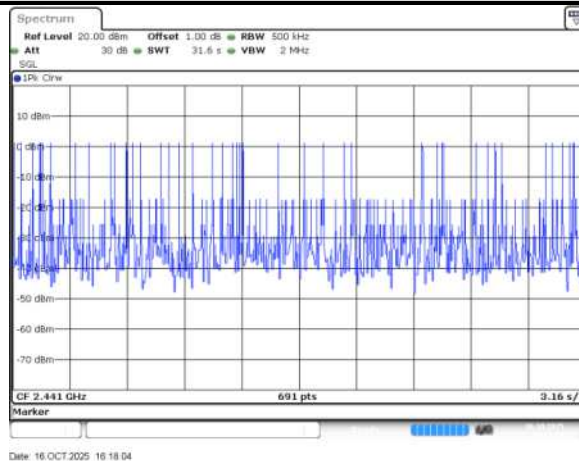


Figure 2: Number of Hops


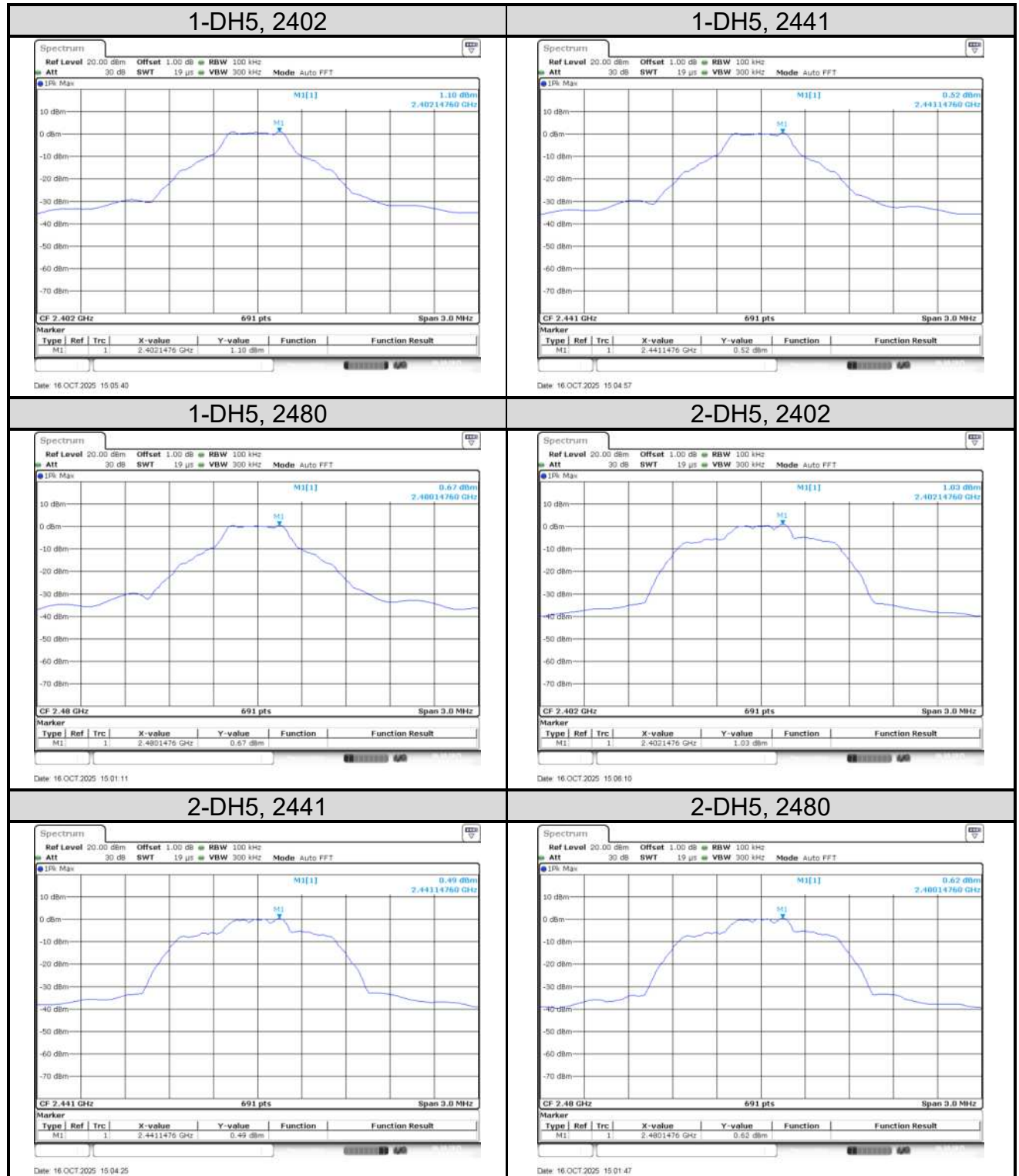
3-DH1

3-DH3

3-DH5


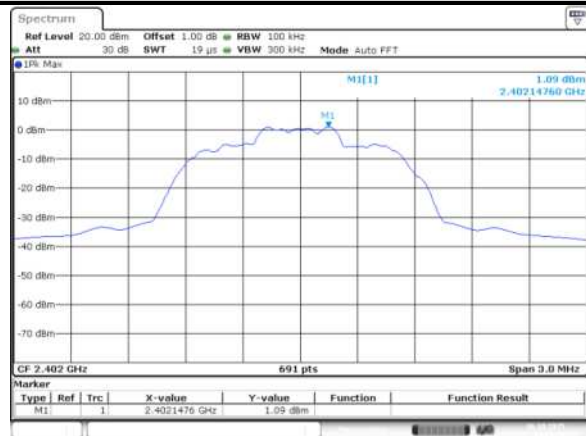
Prüfbericht - Nr.: CN256888 002
Test Report No.**Seite 52 von 81**
Page 52 of 81

5.1.7 Conducted Band Edge and out-of Band Emissions

RESULT:**Pass**

Date of testing	:	2025-10-16
Ambient temperature	:	21.4°C
Relative humidity	:	50.3%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(d)
Test procedure	:	ANSI C63.10-2020+COR. 1-2023+C63.10A-2024+ERRATA TO C63.10A-2024
Test voltage	:	DC 5V
Test modes applied	:	A

Figure 3: Reference Level


3-DH1


Date: 16.OCT.2025 15:06:41

3-DH3


Date: 16.OCT.2025 15:03:51

3-DH5


Date: 16.OCT.2025 15:02:19

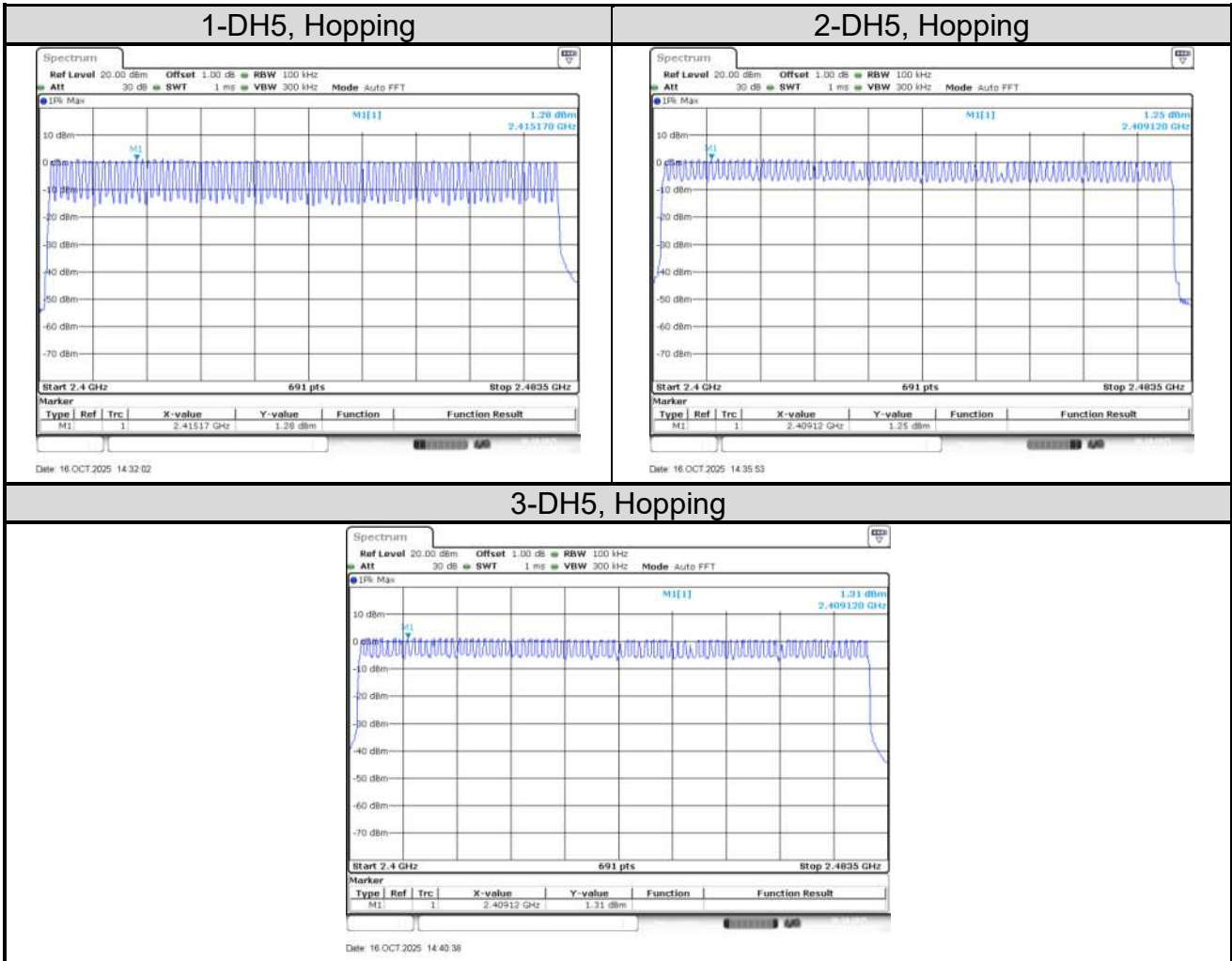
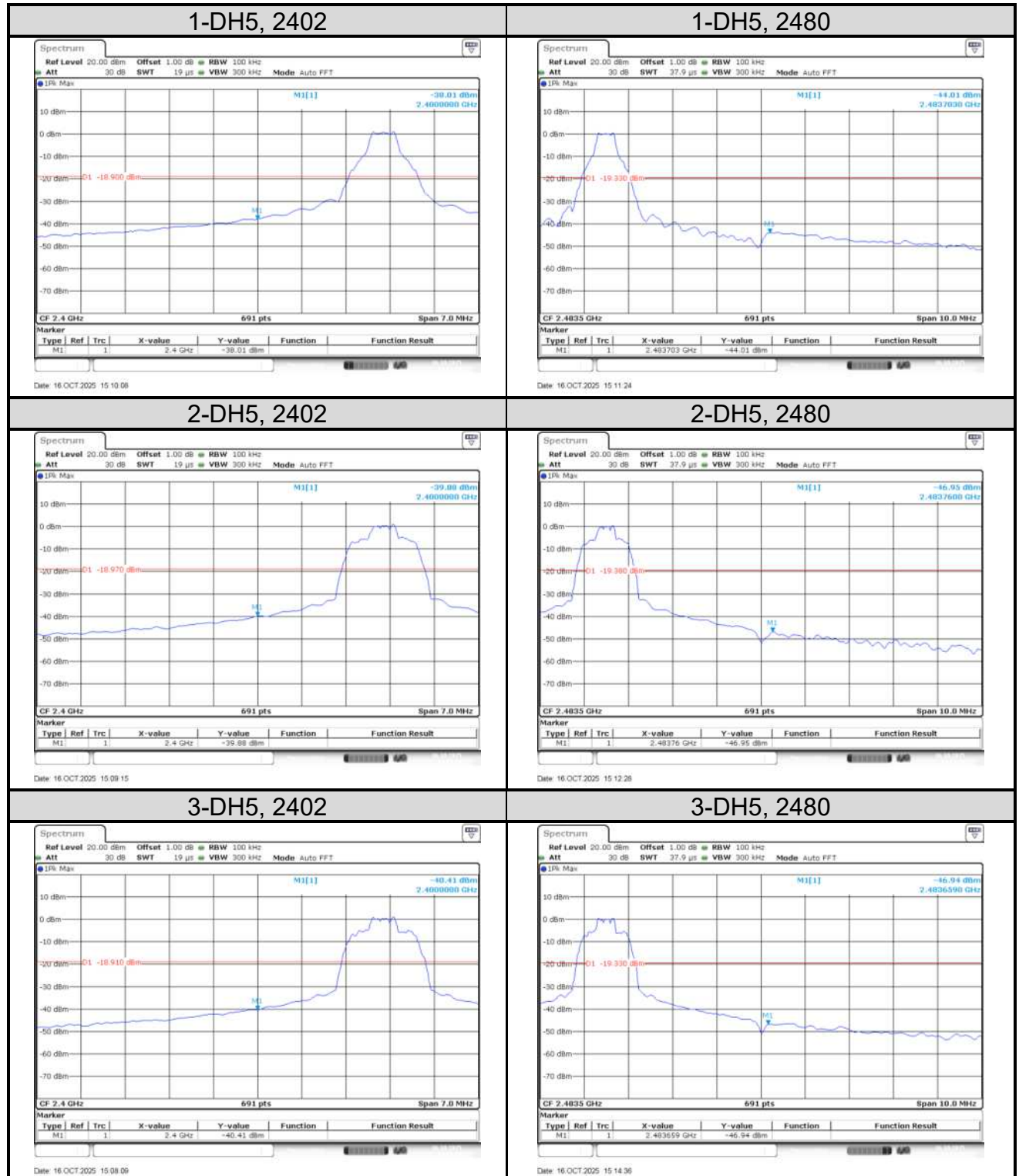
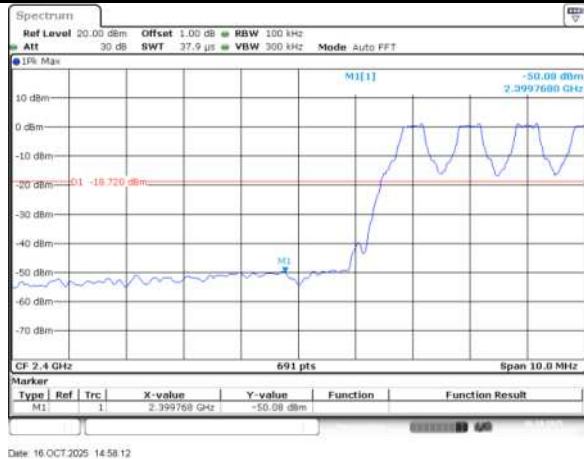
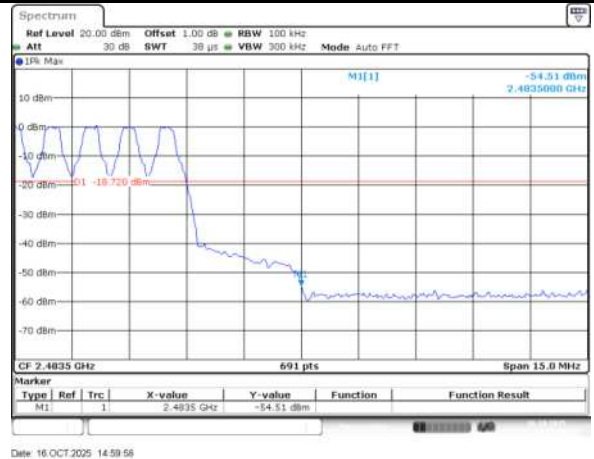
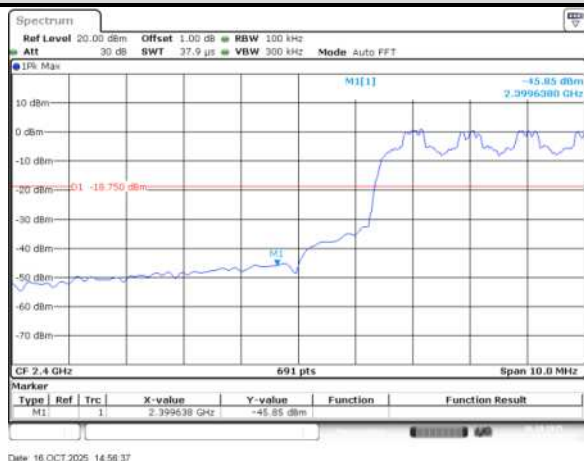


Figure 4: Conducted Band Edge


1-DH5, lower band

1-DH5, higher band

2-DH5 lower band

2-DH5 higher band

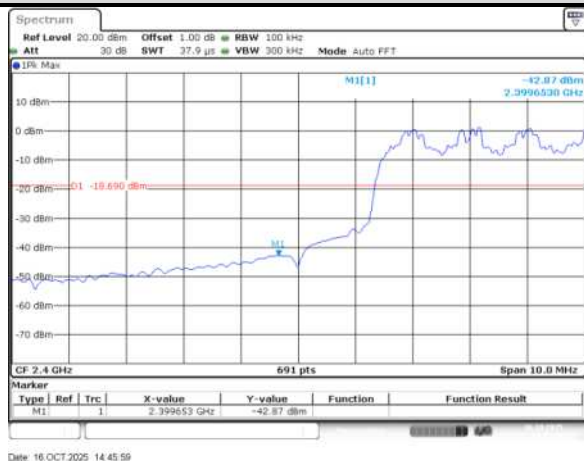
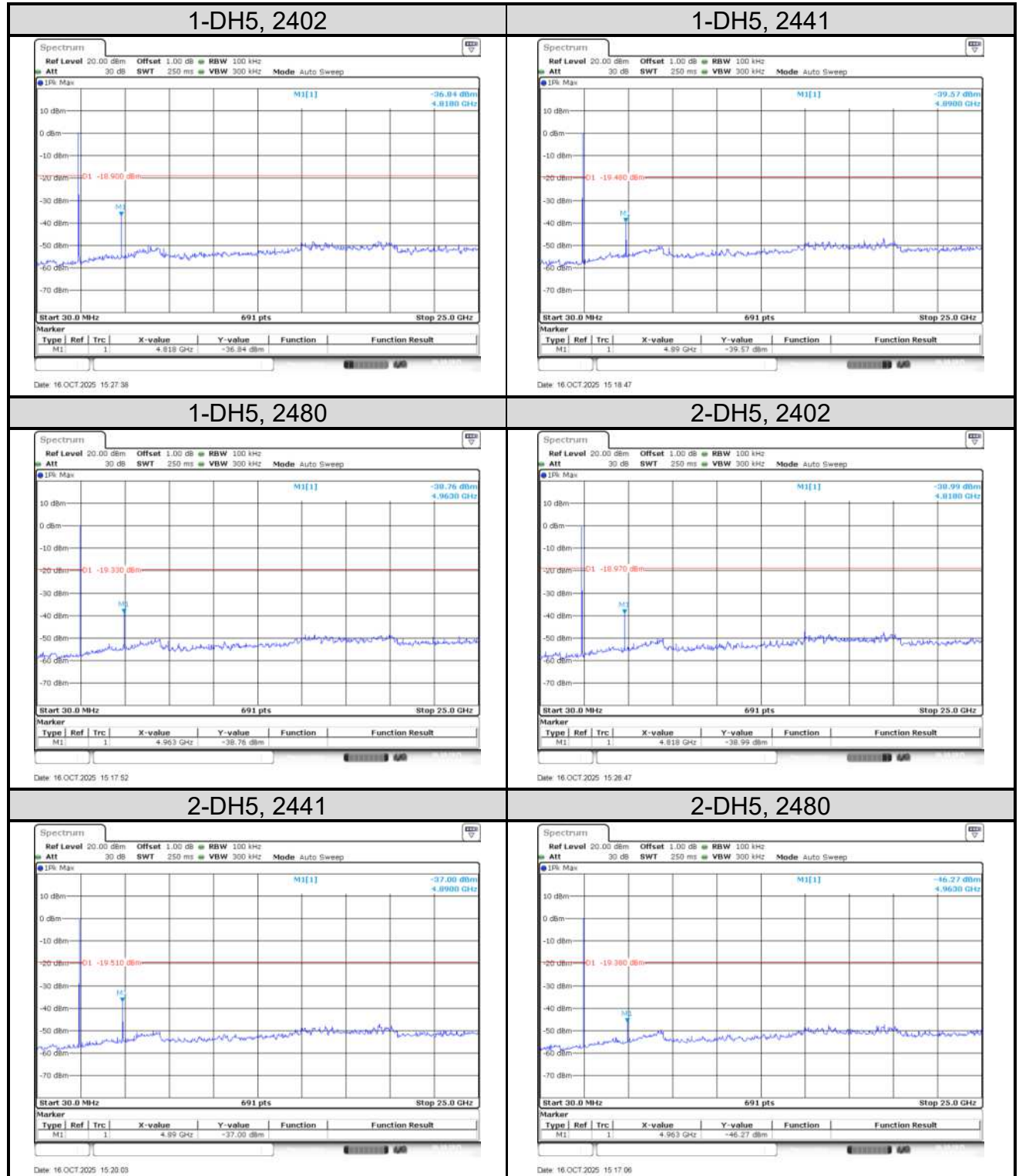
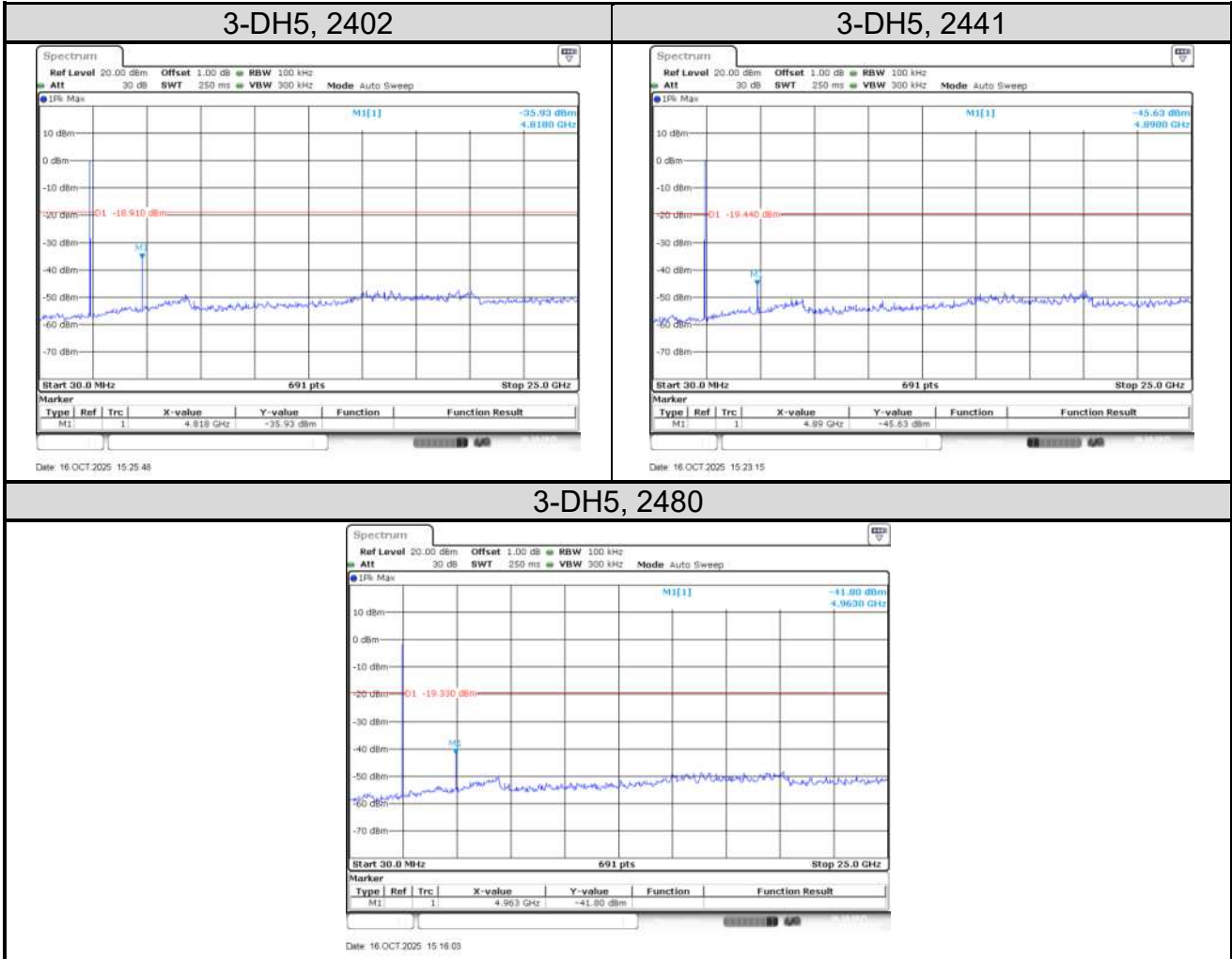
3-DH5 lower band

3-DH5 higher band


Figure 5: Conducted Spurious Emission


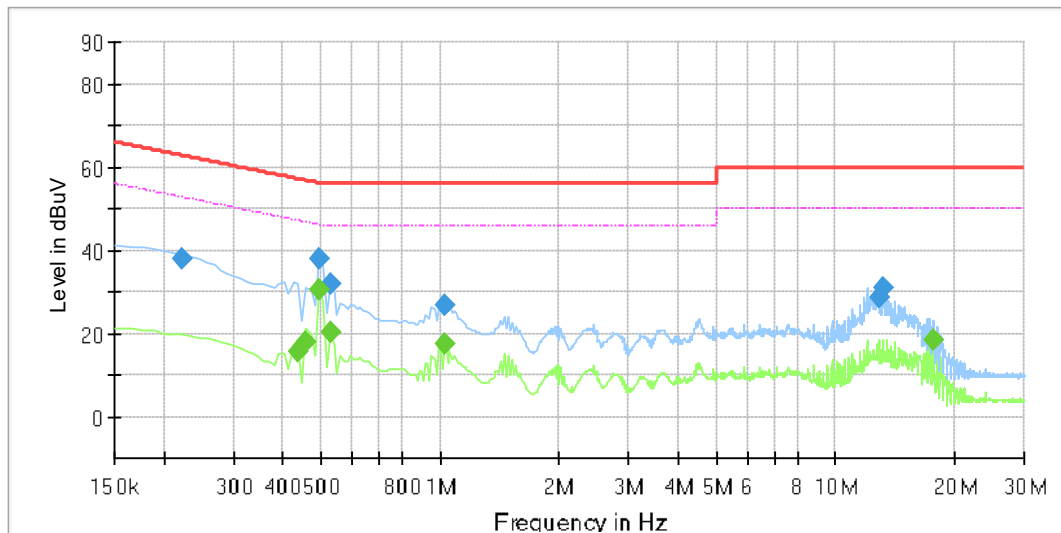


5.2 Emission in the Frequency Range up to 30MHz

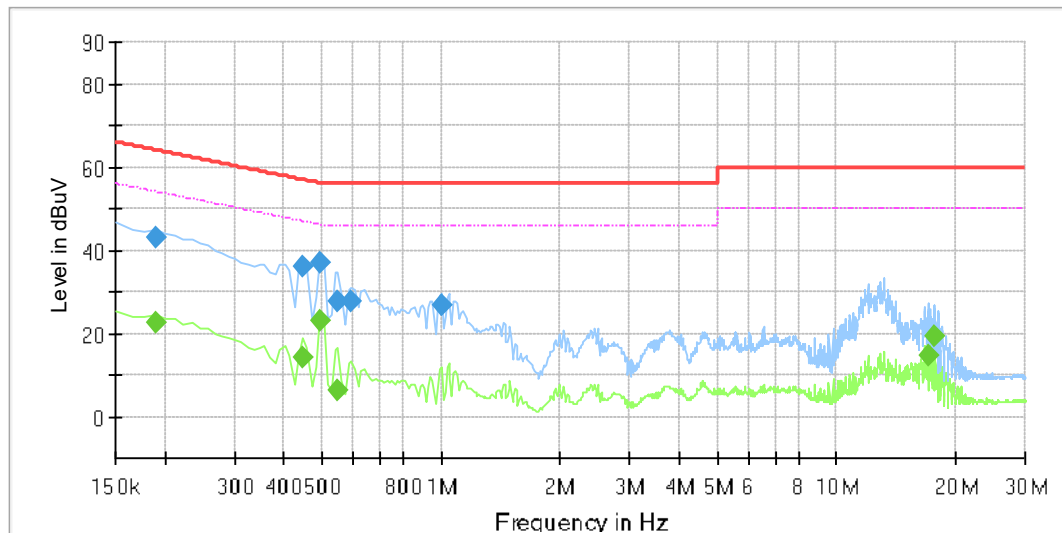
5.2.1 Conducted Emission

RESULT:**Pass**

Date of testing	: 2025-10-28
Ambient temperature	: 22.3°C
Relative humidity	: 50.3%
Atmospheric pressure	: 101kPa
Test requirement	: FCC Part 15.207 (a)
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	: A

Figure 6: Conducted Emission, L

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.223125	37.71	---	62.70	25.00	L1	10.3
0.436875	---	15.47	47.12	31.65	L1	10.3
0.459375	---	17.70	46.70	29.00	L1	10.3
0.493125	37.78	---	56.12	18.33	L1	10.3
0.493125	---	30.40	46.12	15.71	L1	10.3
0.526875	31.75	---	56.00	24.25	L1	10.3
0.526875	---	20.22	46.00	25.78	L1	10.3
1.021875	---	17.41	46.00	28.59	L1	10.4
1.021875	26.95	---	56.00	29.05	L1	10.4
12.913125	28.48	---	60.00	31.52	L1	11.0
13.205625	31.12	---	60.00	28.88	L1	11.0
17.638125	---	18.52	50.00	31.48	L1	11.2

Figure 7: Conducted Emission, N


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.189375	---	22.37	54.06	31.69	N	10.3
0.189375	42.93	---	64.06	21.13	N	10.3
0.448125	---	13.96	46.91	32.95	N	10.3
0.448125	36.10	---	56.91	20.81	N	10.3
0.493125	---	23.01	46.12	23.11	N	10.3
0.493125	36.93	---	56.12	19.19	N	10.3
0.549375	27.46	---	56.00	28.54	N	10.4
0.549375	---	6.48	46.00	39.52	N	10.4
0.594375	27.72	---	56.00	28.28	N	10.4
0.999375	26.79	---	56.00	29.21	N	10.4
17.143125	---	14.77	50.00	35.23	N	11.3
17.638125	---	19.49	50.00	30.51	N	11.3

5.3 Emission in the Frequency Range above 30MHz

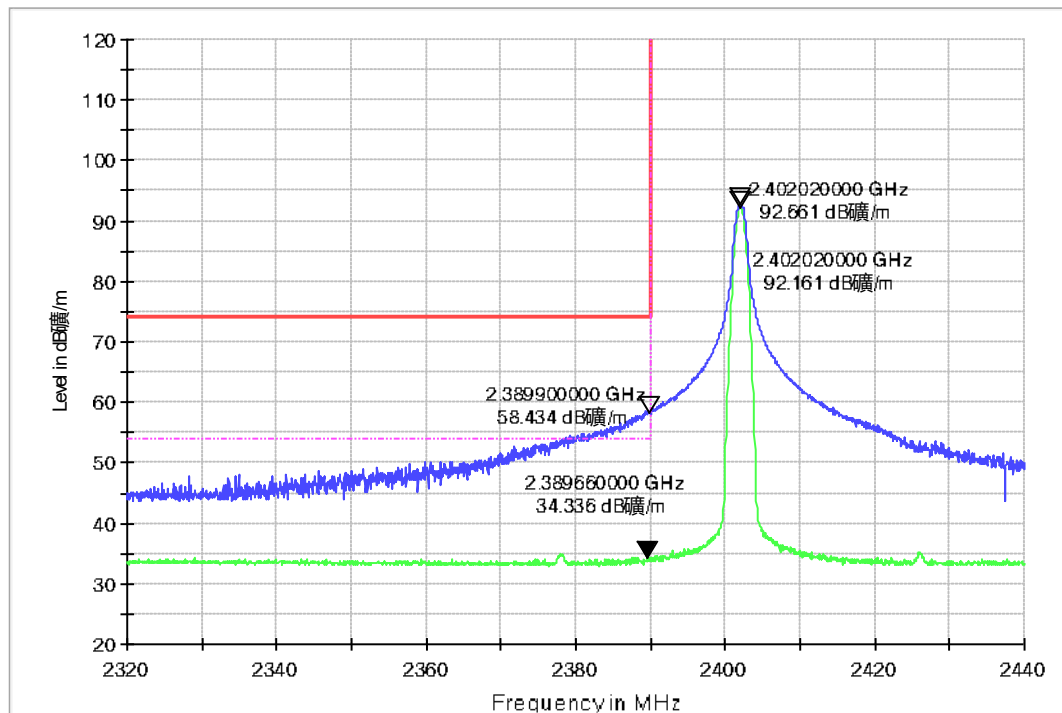
5.3.1 Radiated Band-Edge

RESULT:**Pass**

Date of testing	: 2025-10-28
Ambient temperature	: 22.3°C
Relative humidity	: 50.3%
Atmospheric pressure	: 101kPa
Test requirement	: FCC Part 15.247(d) FCC Part 15.205(a) FCC Part 15.209(a)
Test procedure	: ANSI C63.10-2020+COR. 1-2023+C63.10A- 2024+ERRATA TO C63.10A-2024
Test voltage	: DC 5V
Test modes applied	: A

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

XXY-2310~2410 BE 1-18GHz HL050 FSV40 Pre-10-YUNFANG


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

XXY-2310~2410 BE 1-18GHz HL050 FSV40 Pre-10-YUNFANG

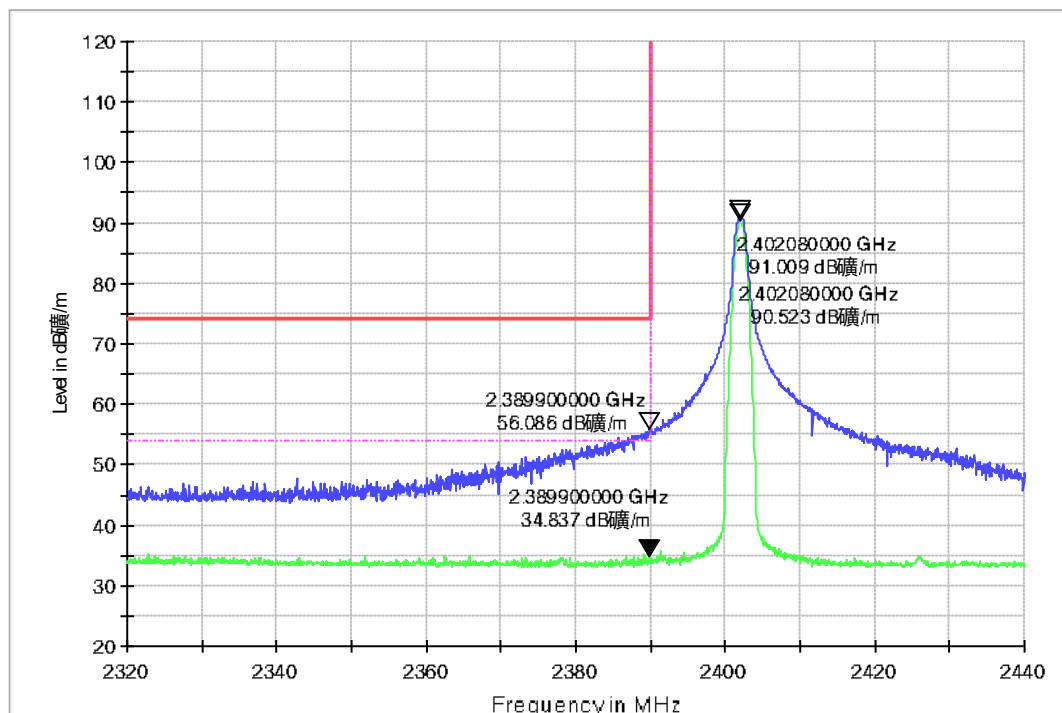
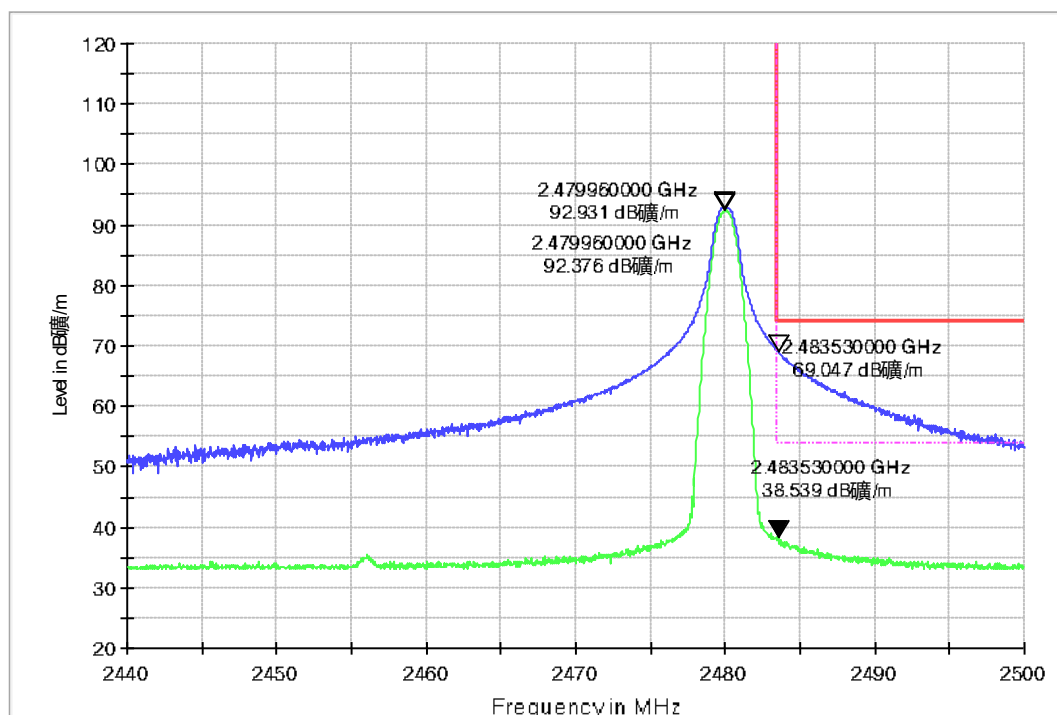


Figure 10: Radiated Band-Edge, 1-DH5, 2480, H

XXY-2470° 2500 BE 1-18GHz HL050 FSV40 Pre-10-YUNFANG


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

XXY-2470° 2500 BE 1-18GHz HL050 FSV40 Pre-10-YUNFANG

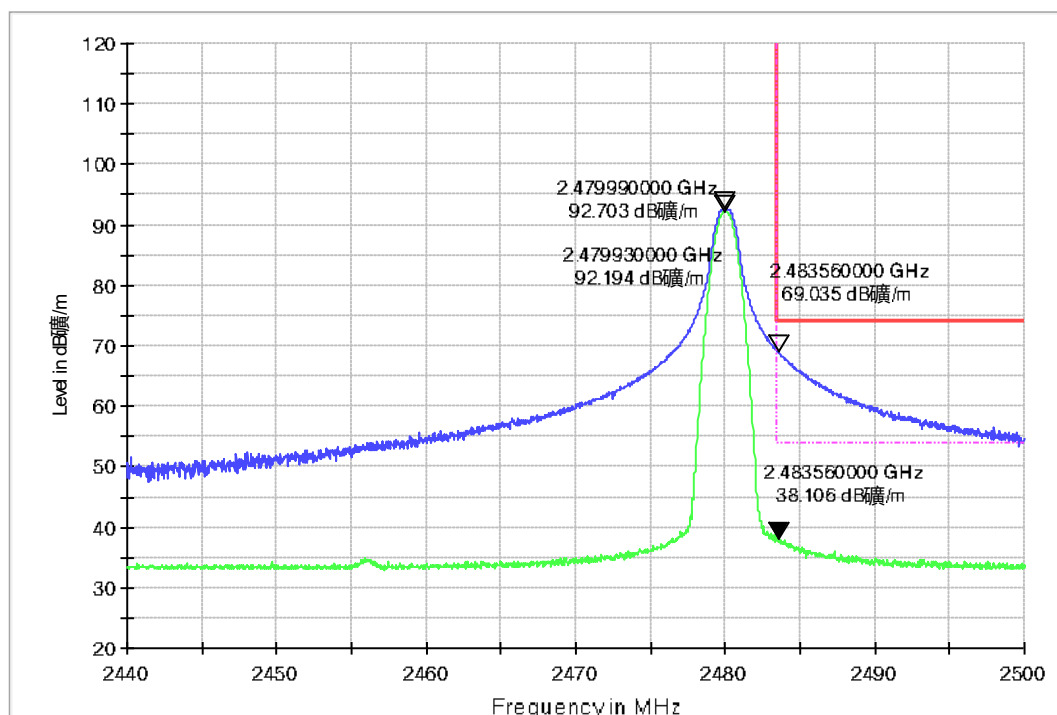
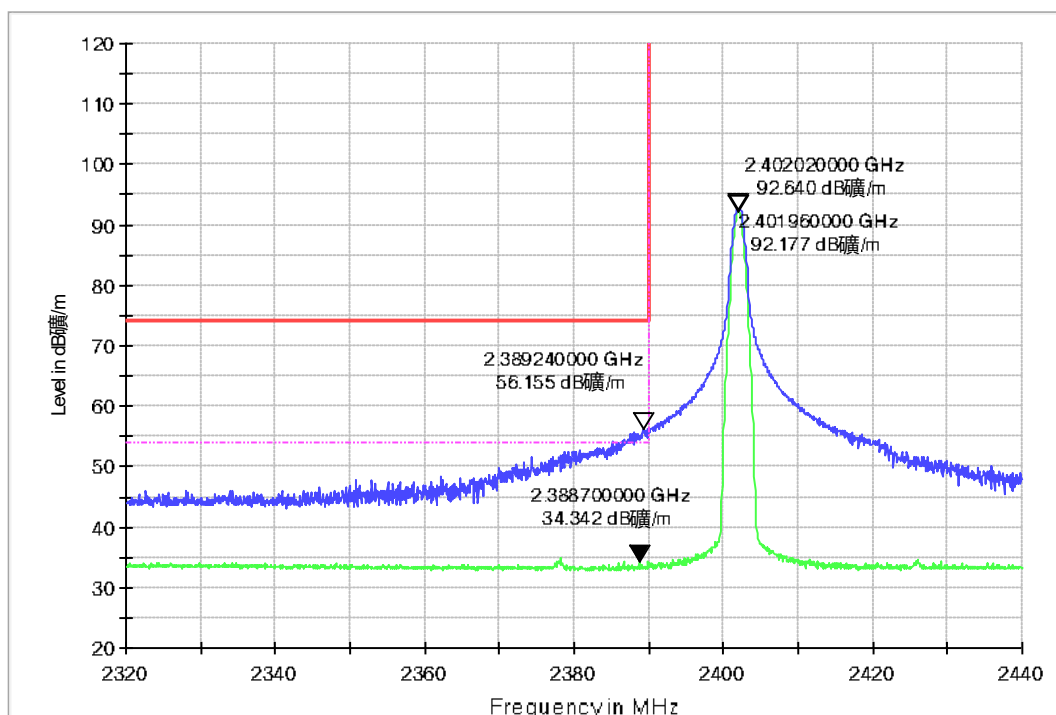


Figure 12: Radiated Band-Edge, 3-DH5, 2402, H

XXY-2310~2410 BE 1-18GHz HL050 FSV40 Pre-10-YUNFANG


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

XXY-2310~2410 BE 1-18GHz HL050 FSV40 Pre-10-YUNFANG

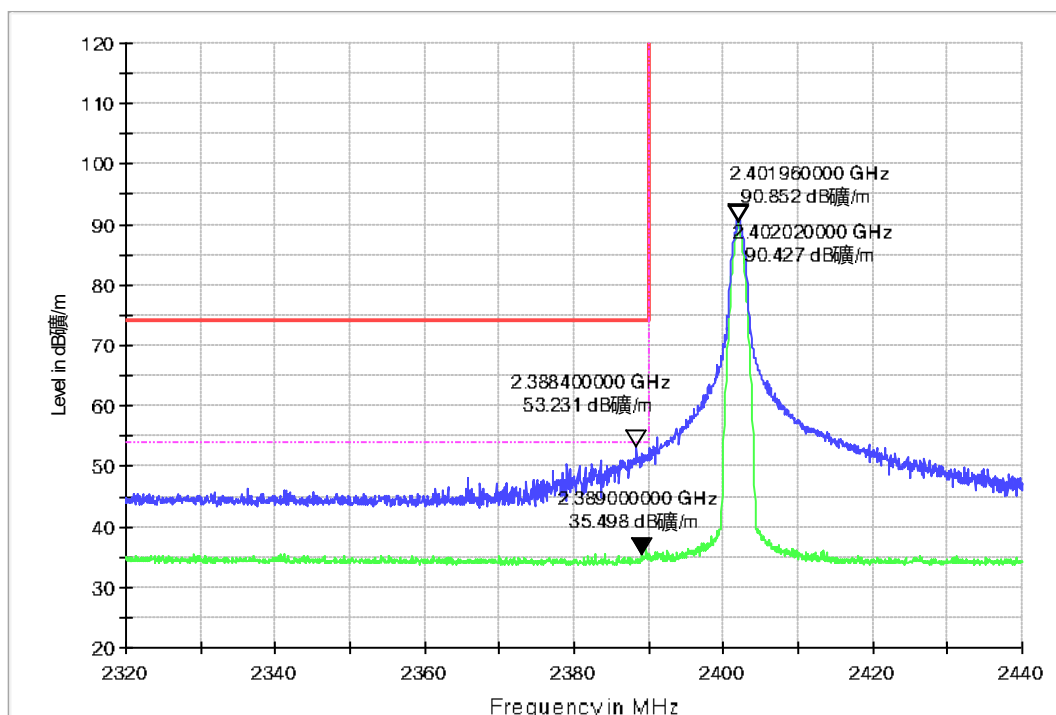
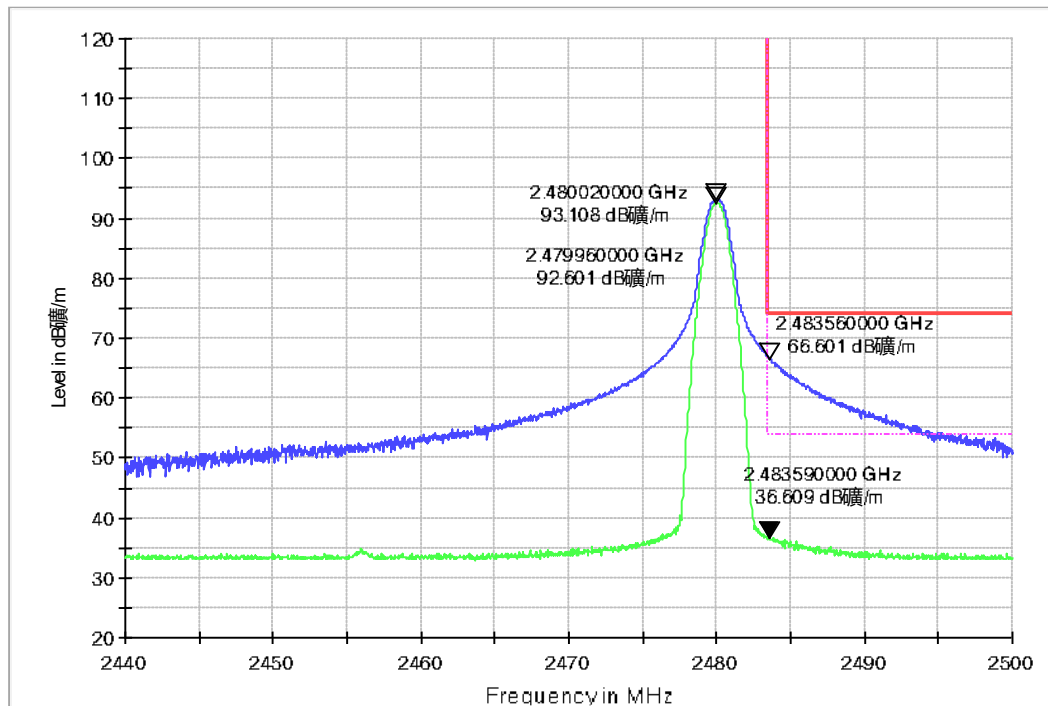
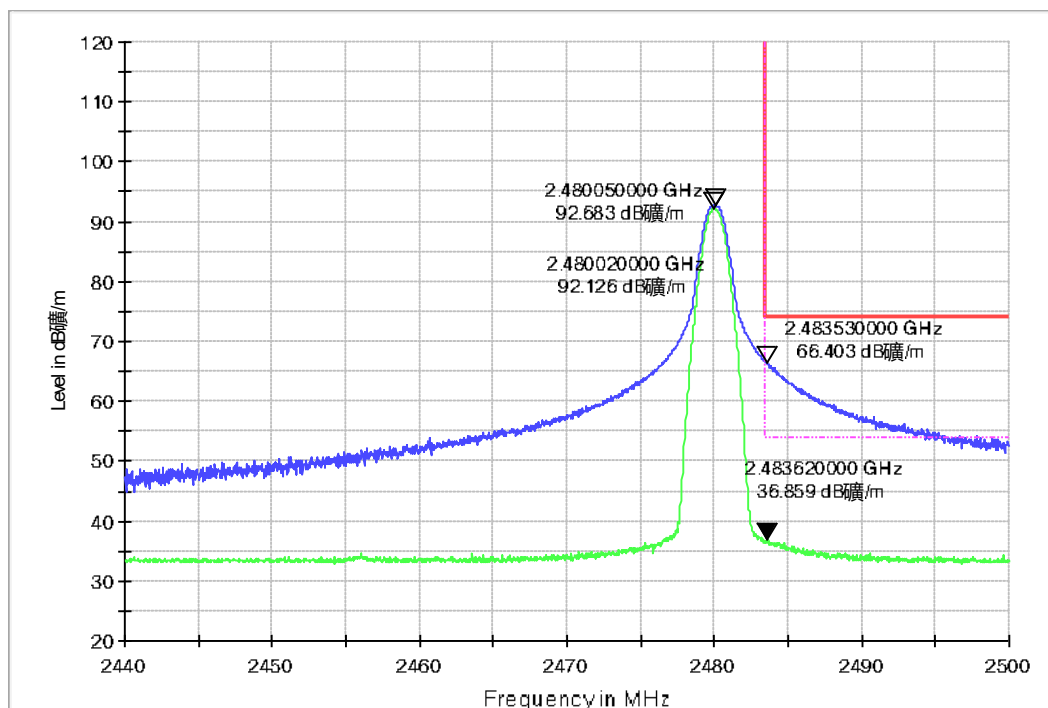


Figure 14: Radiated Band-Edge, 3-DH5, 2480, H

XXY-2470~2500 BE 1-18GHz HL050 FSV40 Pre-10-YUNFANG


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

XXY-2470~2500 BE 1-18GHz HL050 FSV40 Pre-10-YUNFANG



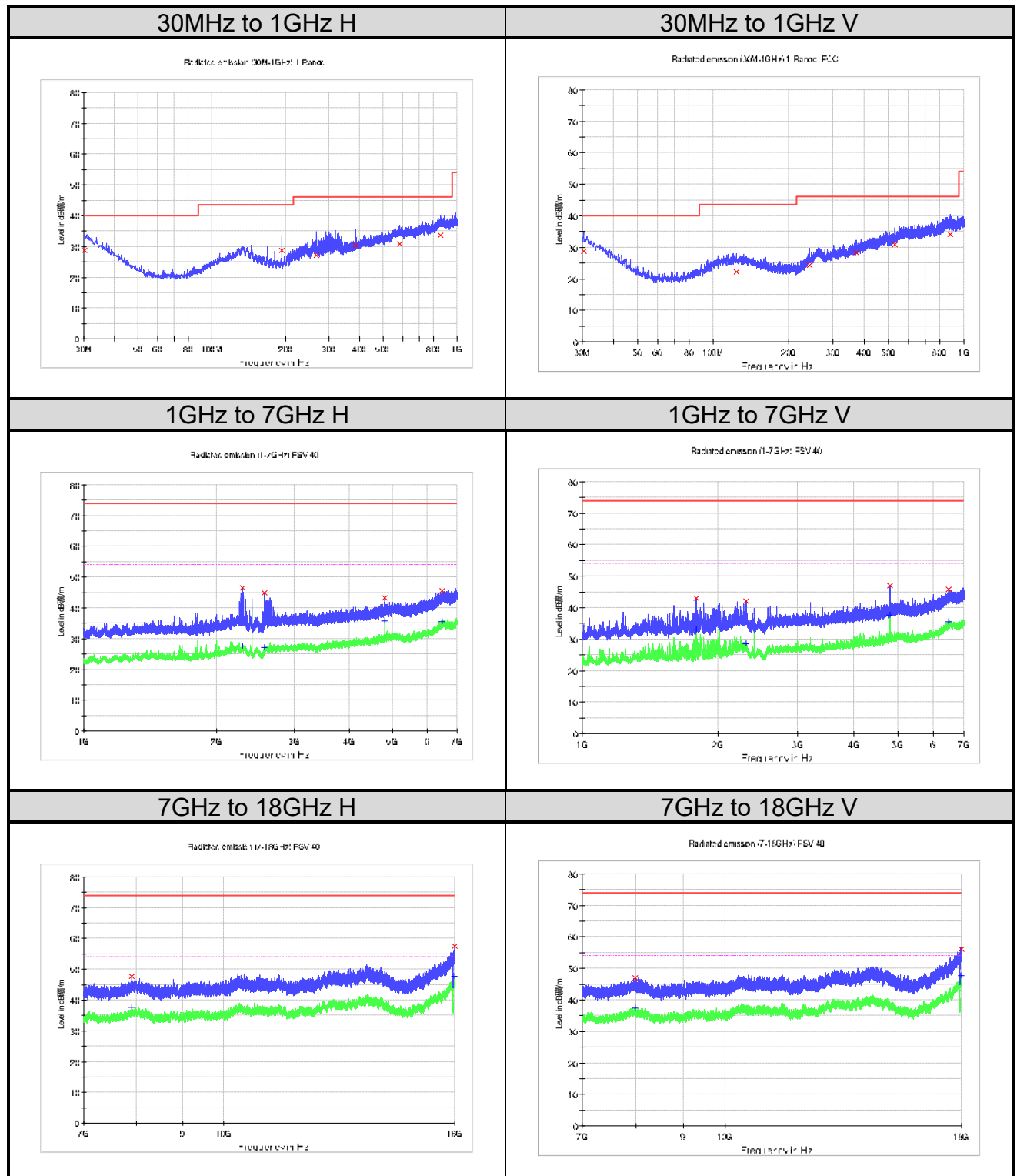
5.3.2 Radiated Spurious Emission

RESULT:**Pass**

Date of testing	:	2025-10-28
Ambient temperature	:	22.3°C
Relative humidity	:	50.3%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(d) FCC Part 15.209(a)
Test procedure	:	ANSI C63.10-2020+COR. 1-2023+C63.10A- 2024+ERRATA TO C63.10A-2024
Test voltage	:	DC 5V
Test modes applied	:	A

Note:

1. For the frequency range from 18GHz to 25GHz, no emission was found.

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


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Limit and Margin
QP

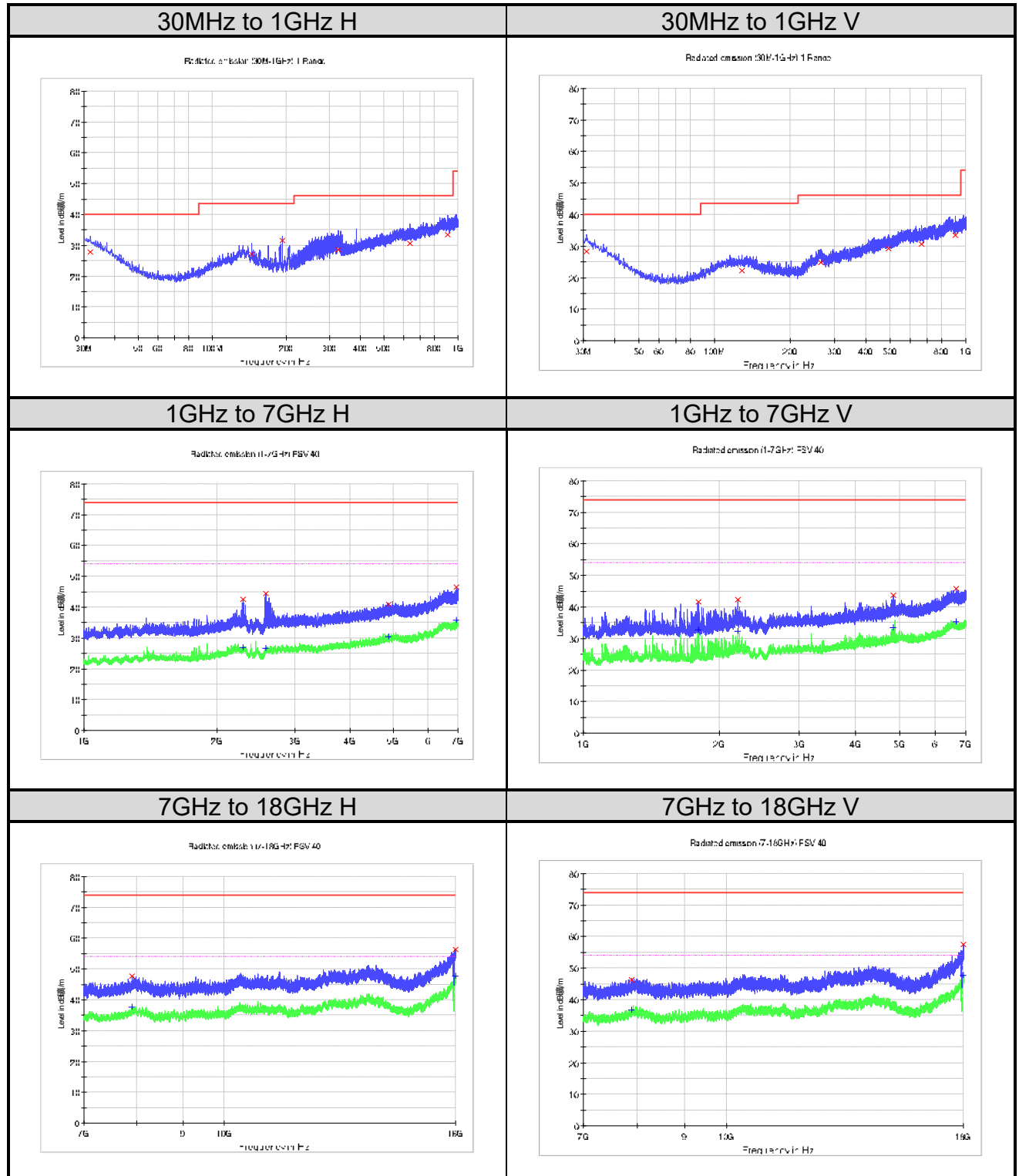
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.242500	28.8	H	25.3	11.2	40.0
192.353750	28.7	H	15.8	14.8	43.5
267.407500	27.1	H	20.8	18.9	46.0
385.141250	30.4	H	22.5	15.7	46.0
582.536250	30.9	H	27.0	15.1	46.0
855.833750	33.7	H	28.9	12.4	46.0
30.363750	28.8	V	25.2	11.2	40.0
123.362500	22.2	V	18.7	21.4	43.5
242.551250	24.4	V	19.1	21.6	46.0
370.712500	28.4	V	22.0	17.6	46.0
531.611250	30.8	V	25.1	15.2	46.0
882.872500	34.1	V	29.2	11.9	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2291.636364	46.6	H	-15.7	27.4	74.0
2570.636364	44.9	H	-15.9	29.1	74.0
4804.000000	43.2	H	-11.2	30.8	74.0
6473.363636	45.6	H	-7.5	28.4	74.0
7909.906250	47.6	H	-3.7	26.4	74.0
17988.656250	57.4	H	11.9	16.6	74.0
1788.454546	43.0	V	-18.8	31.0	74.0
2306.363636	42.0	V	-15.8	32.0	74.0
4803.454546	47.0	V	-11.2	27.0	74.0
6485.909091	45.7	V	-7.4	28.3	74.0
7986.218750	47.1	V	-3.3	26.9	74.0
17985.562500	56.2	V	11.9	17.8	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2291.636364	27.7	H	-15.7	26.3	54.0
2570.636364	27.0	H	-15.9	27.0	54.0
4804.000000	35.9	H	-11.2	18.1	54.0
6473.363636	35.4	H	-7.5	18.6	54.0
7909.906250	37.8	H	-3.7	16.2	54.0
17988.656250	47.8	H	11.9	6.2	54.0
1788.454546	33.0	V	-18.8	21.0	54.0
2306.363636	28.5	V	-15.8	25.5	54.0
4803.454546	37.6	V	-11.2	16.4	54.0
6485.909091	35.6	V	-7.4	18.4	54.0
7986.218750	37.3	V	-3.3	16.7	54.0
17985.562500	47.7	V	11.9	6.3	54.0

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


Limit and Margin
QP

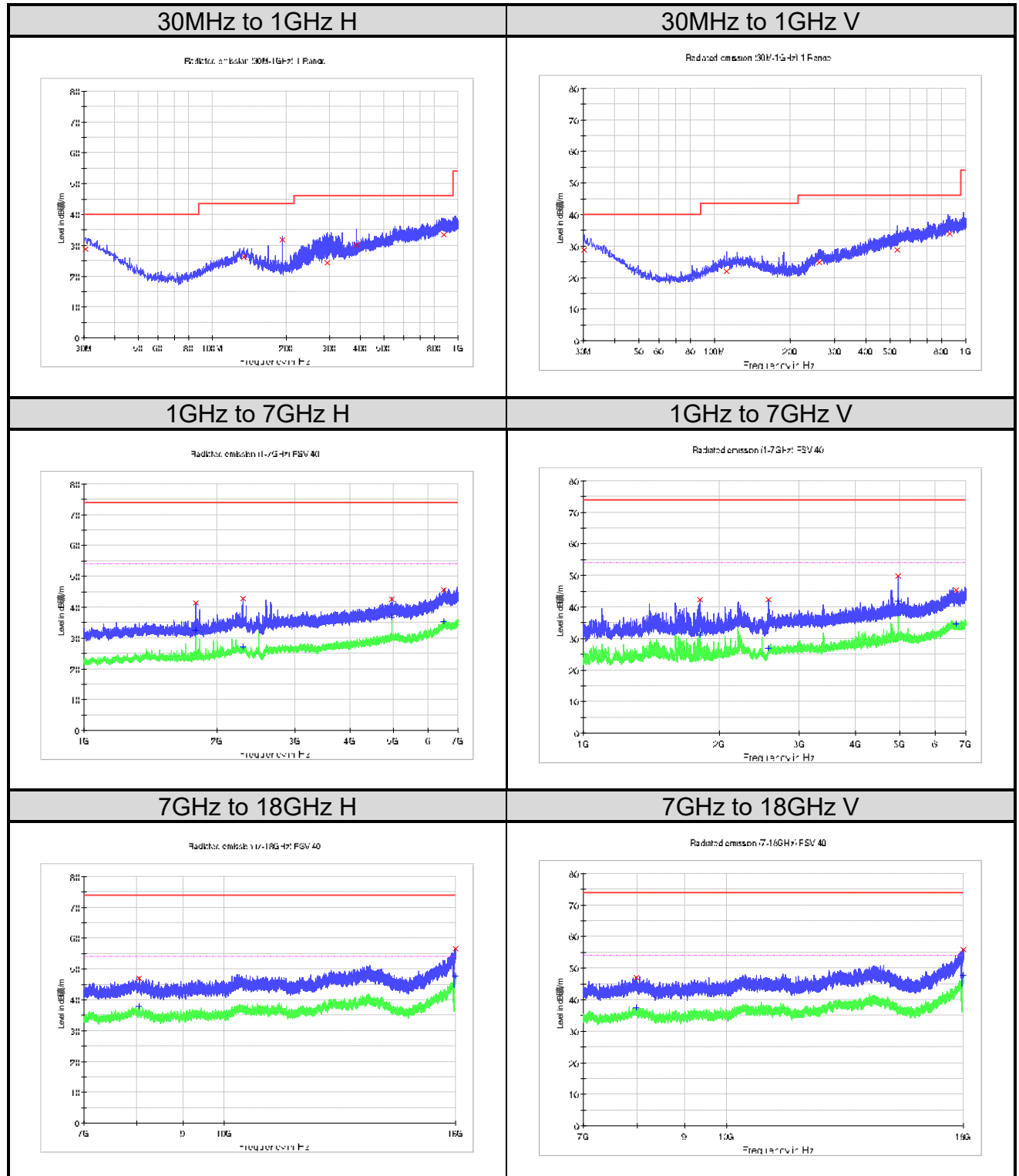
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.940000	27.8	H	24.3	12.2	40.0
144.460000	27.1	H	17.6	16.4	43.5
192.717500	31.5	H	15.8	12.0	43.5
324.637500	28.4	H	21.3	17.6	46.0
635.886250	30.7	H	27.0	15.3	46.0
907.850000	33.4	H	28.6	12.6	46.0
30.970000	28.4	V	24.9	11.6	40.0
128.455000	22.3	V	18.6	21.2	43.5
264.012500	24.7	V	21.5	21.3	46.0
491.720000	29.2	V	25.7	16.8	46.0
667.532500	30.5	V	26.6	15.5	46.0
906.880000	33.4	V	28.6	12.6	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2285.909091	42.6	H	-15.7	31.4	74.0
2576.636364	44.5	H	-15.8	29.5	74.0
4882.818182	40.9	H	-11.1	33.1	74.0
6931.000000	46.6	H	-7.0	27.4	74.0
7916.437500	47.6	H	-3.6	26.4	74.0
17990.375000	56.3	H	11.9	17.7	74.0
1799.363636	41.6	V	-18.8	32.5	74.0
2196.727273	42.3	V	-15.7	31.8	74.0
4847.363636	43.7	V	-11.2	30.3	74.0
6657.454546	46.0	V	-7.6	28.0	74.0
7891.687500	46.4	V	-3.9	27.6	74.0
17990.718750	57.4	V	11.9	16.6	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2285.909091	26.9	H	-15.7	27.1	54.0
2576.636364	26.7	H	-15.8	27.4	54.0
4882.818182	30.5	H	-11.1	23.5	54.0
6931.000000	35.9	H	-7.0	18.1	54.0
7916.437500	37.8	H	-3.6	16.2	54.0
17990.375000	47.8	H	11.9	6.2	54.0
1799.363636	32.7	V	-18.8	21.3	54.0
2196.727273	32.3	V	-15.7	21.8	54.0
4847.363636	33.4	V	-11.2	20.6	54.0
6657.454546	35.3	V	-7.6	18.7	54.0
7891.687500	36.8	V	-3.9	17.2	54.0
17990.718750	47.8	V	11.9	6.2	54.0

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


Limit and Margin
QP

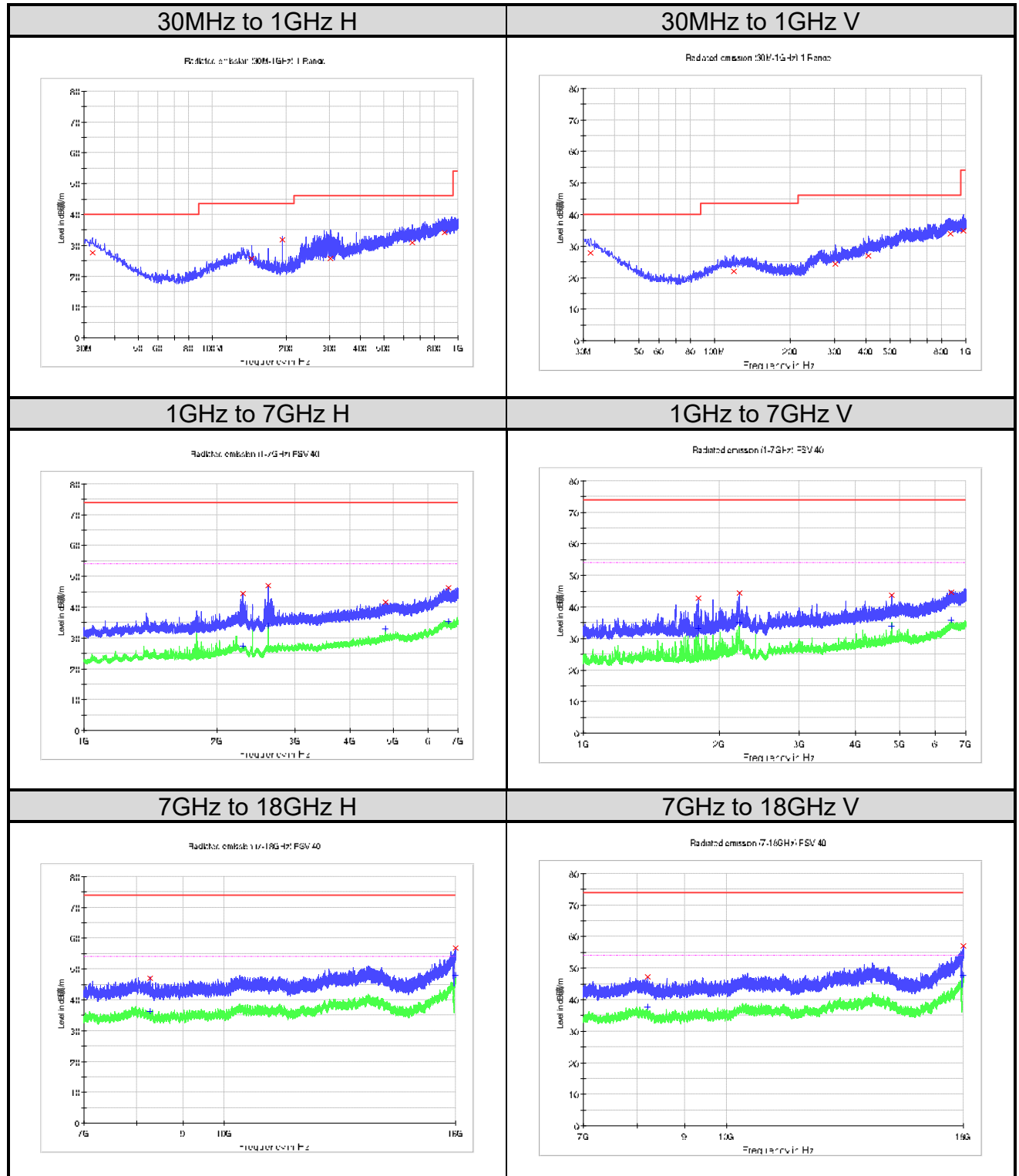
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.363750	28.8	H	25.2	11.2	40.0
134.517500	26.1	H	18.3	17.4	43.5
192.596250	31.9	H	15.8	11.6	43.5
293.112500	24.4	H	20.2	21.6	46.0
385.383750	30.3	H	22.5	15.8	46.0
873.051250	33.6	H	28.6	12.4	46.0
30.242500	28.8	V	25.3	11.2	40.0
111.722500	21.9	V	18.7	21.6	43.5
261.587500	24.9	V	21.7	21.1	46.0
532.096250	28.8	V	25.0	17.2	46.0
859.592500	33.9	V	29.0	12.1	46.0
30.242500	28.8	V	25.3	11.2	40.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1789.818182	41.5	H	-18.8	32.5	74.0
2285.636364	42.8	H	-15.7	31.2	74.0
4960.272727	42.6	H	-11.0	31.4	74.0
6509.636364	45.7	H	-7.3	28.3	74.0
8047.062500	47.0	H	-3.5	27.0	74.0
17988.656250	56.6	H	11.9	17.4	74.0
1808.363636	42.4	V	-18.7	31.6	74.0
2565.454546	42.4	V	-15.9	31.6	74.0
4960.000000	49.9	V	-11.0	24.1	74.0
6655.545455	45.4	V	-7.6	28.6	74.0
7983.125000	47.0	V	-3.4	27.0	74.0
17984.875000	55.8	V	11.9	18.2	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1789.818182	32.5	H	-18.8	21.5	54.0
2285.636364	27.1	H	-15.7	26.9	54.0
4960.272727	36.6	H	-11.0	17.4	54.0
6509.636364	35.3	H	-7.3	18.7	54.0
8047.062500	38.0	H	-3.5	16.0	54.0
17988.656250	47.8	H	11.9	6.2	54.0
1808.363636	31.0	V	-18.7	23.0	54.0
2565.454546	26.9	V	-15.9	27.1	54.0
4960.000000	41.8	V	-11.0	12.2	54.0
6655.545455	34.5	V	-7.6	19.5	54.0
7983.125000	37.4	V	-3.4	16.6	54.0
17984.875000	47.7	V	11.9	6.3	54.0

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


Limit and Margin
QP

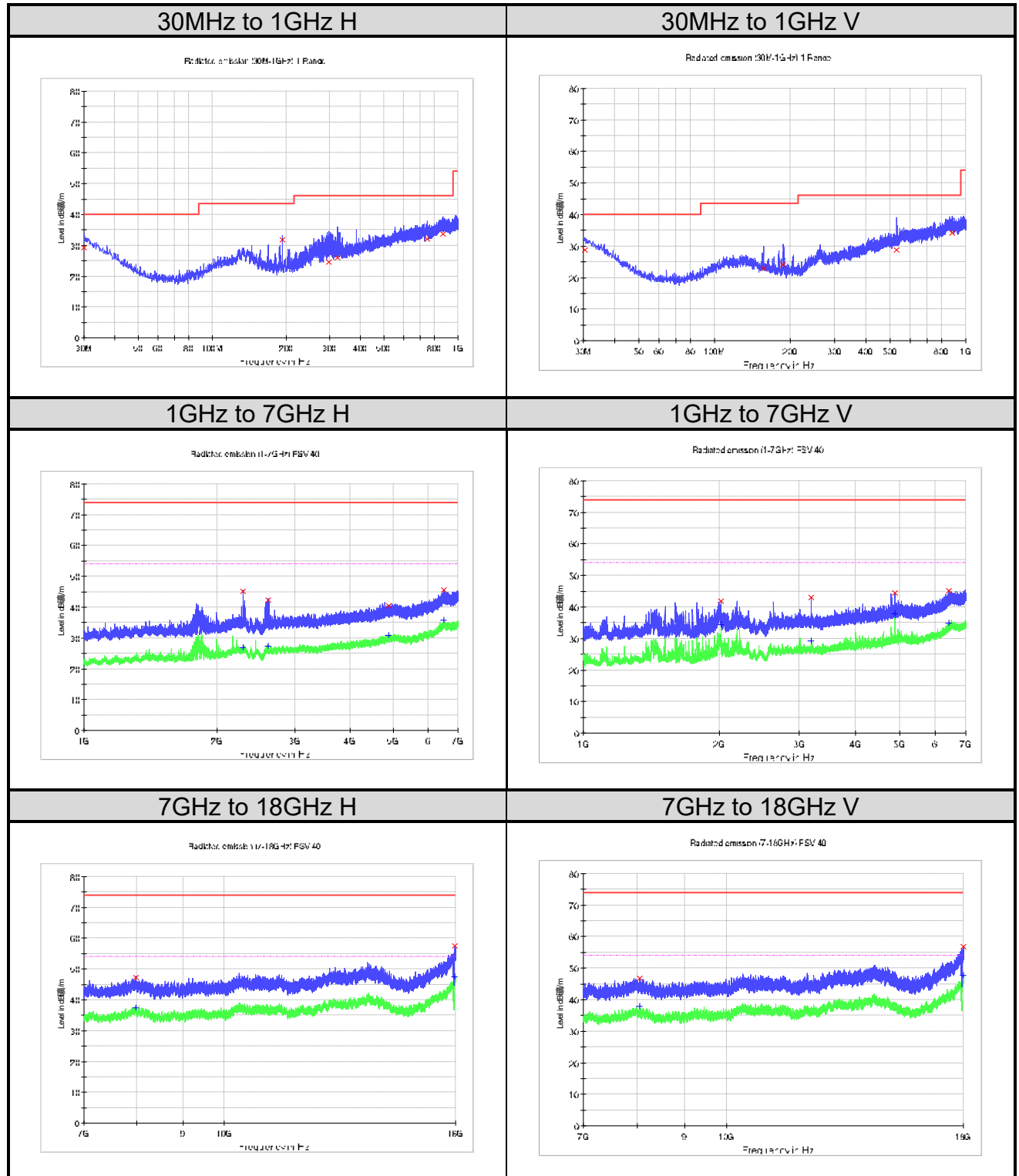
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
32.425000	27.6	H	24.0	12.4	40.0
144.338750	25.7	H	17.6	17.8	43.5
192.596250	31.9	H	15.8	11.6	43.5
301.357500	25.7	H	20.9	20.3	46.0
652.255000	30.9	H	27.0	15.2	46.0
883.600000	34.2	H	29.3	11.8	46.0
32.061250	27.8	V	24.2	12.2	40.0
119.603750	22.1	V	18.7	21.4	43.5
302.206250	24.3	V	20.8	21.7	46.0
408.542500	27.0	V	23.5	19.0	46.0
866.867500	33.9	V	29.0	12.1	46.0
975.750000	34.8	V	30.3	19.2	54.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2288.909091	44.5	H	-15.7	29.5	74.0
2610.727273	47.0	H	-15.7	27.1	74.0
4804.272727	41.6	H	-11.2	32.4	74.0
6663.454546	46.3	H	-7.6	27.7	74.0
8273.937500	47.0	H	-5.2	27.0	74.0
17989.343750	56.8	H	11.9	17.2	74.0
1794.727273	42.7	V	-18.8	31.3	74.0
2210.636364	44.5	V	-15.7	29.5	74.0
4803.454546	43.6	V	-11.2	30.4	74.0
6513.727273	44.7	V	-7.3	29.3	74.0
8208.281250	47.3	V	-4.7	26.7	74.0
17991.062500	57.1	V	12.0	16.9	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2288.909091	27.3	H	-15.7	26.7	54.0
2610.727273	33.9	H	-15.7	20.1	54.0
4804.272727	33.0	H	-11.2	21.0	54.0
6663.454546	35.4	H	-7.6	18.6	54.0
8273.937500	36.4	H	-5.2	17.7	54.0
17989.343750	47.9	H	11.9	6.1	54.0
1794.727273	33.3	V	-18.8	20.7	54.0
2210.636364	35.0	V	-15.7	19.0	54.0
4803.454546	34.0	V	-11.2	20.0	54.0
6513.727273	35.7	V	-7.3	18.3	54.0
8208.281250	37.6	V	-4.7	16.4	54.0
17991.062500	47.7	V	12.0	6.3	54.0

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


Limit and Margin
QP

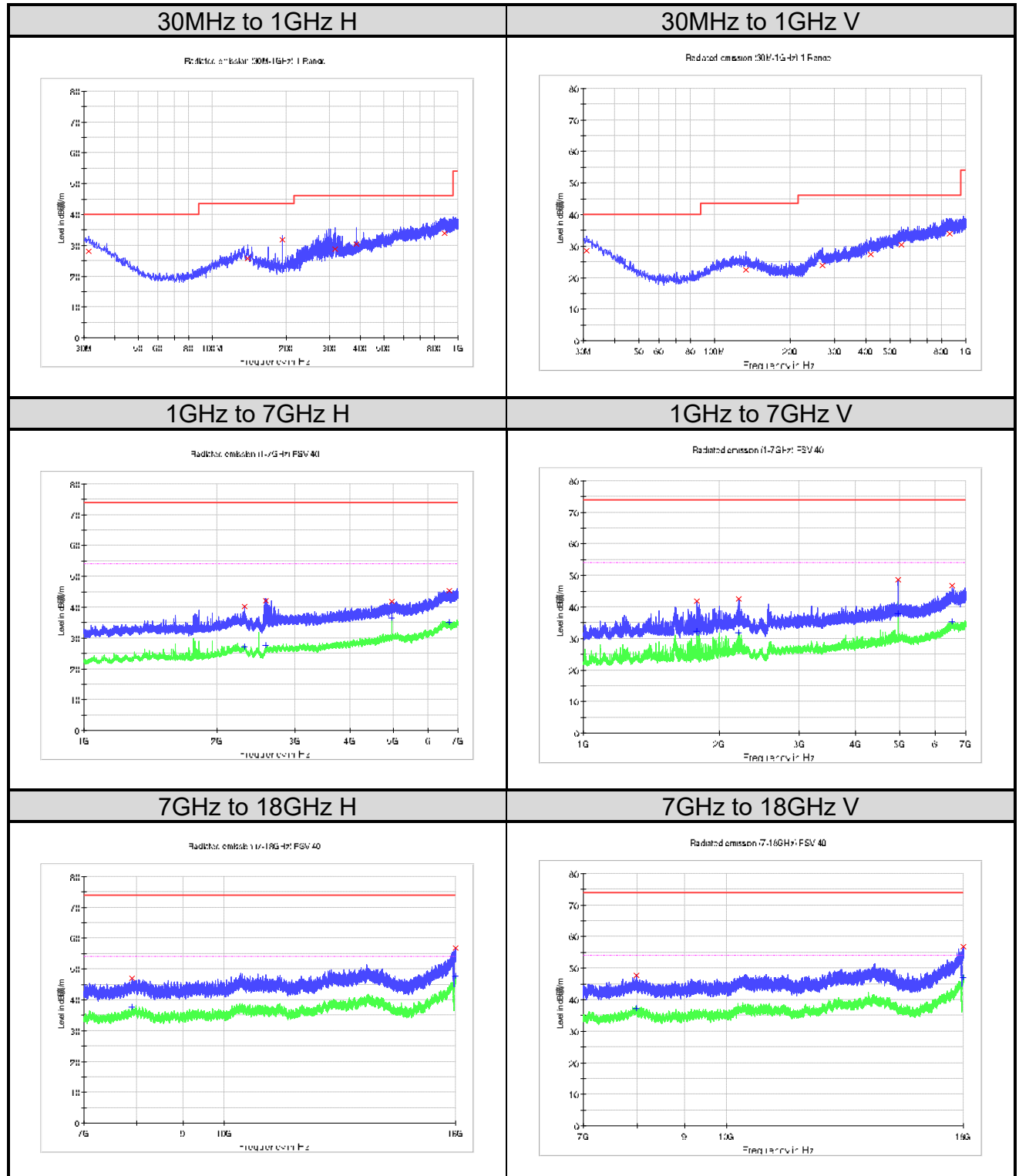
Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.000000	29.1	H	25.4	10.9	40.0
192.596250	31.9	H	15.8	11.6	43.5
299.053750	24.7	H	20.7	21.3	46.0
323.788750	25.9	H	21.2	20.2	46.0
751.801250	32.1	H	28.3	13.9	46.0
871.717500	33.7	H	28.6	12.3	46.0
30.485000	28.7	V	25.2	11.3	40.0
156.463750	23.0	V	16.9	20.5	43.5
187.746250	24.2	V	15.8	19.3	43.5
531.247500	28.8	V	25.1	17.2	46.0
883.478750	34.2	V	29.3	11.8	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2292.181818	45.3	H	-15.7	28.7	74.0
2611.000000	42.4	H	-15.7	31.6	74.0
4881.727273	40.5	H	-11.1	33.5	74.0
6501.181818	45.6	H	-7.3	28.5	74.0
7984.843750	47.3	H	-3.4	26.7	74.0
17978.687500	57.6	H	11.7	16.4	74.0
2014.545455	41.9	V	-17.7	32.2	74.0
3191.090909	43.0	V	-14.6	31.0	74.0
4881.181818	44.5	V	-11.1	29.5	74.0
6432.181818	45.1	V	-7.8	28.9	74.0
8060.468750	46.8	V	-3.6	27.2	74.0
17983.843750	56.9	V	11.8	17.1	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2292.181818	27.0	H	-15.7	27.0	54.0
2611.000000	27.4	H	-15.7	26.6	54.0
4881.727273	31.0	H	-11.1	23.0	54.0
6501.181818	35.8	H	-7.3	18.2	54.0
7984.843750	37.4	H	-3.4	16.7	54.0
17978.687500	47.6	H	11.7	6.5	54.0
2014.545455	34.4	V	-17.7	19.7	54.0
3191.090909	29.3	V	-14.6	24.7	54.0
4881.181818	38.0	V	-11.1	16.0	54.0
6432.181818	34.9	V	-7.8	19.2	54.0
8060.468750	37.9	V	-3.6	16.1	54.0
17983.843750	47.7	V	11.8	6.4	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)
31.455000	28.1	H	24.6	11.9	40.0
139.610000	25.6	H	18.0	17.9	43.5
192.596250	31.8	H	15.8	11.7	43.5
315.058750	28.7	H	20.4	17.3	46.0
385.262500	30.4	H	22.5	15.6	46.0
880.932500	33.9	H	29.0	12.1	46.0
30.970000	28.5	V	24.9	11.6	40.0
132.820000	22.4	V	18.4	21.2	43.5
268.620000	23.9	V	20.6	22.1	46.0
417.272500	27.5	V	24.0	18.5	46.0
553.193750	30.3	V	26.5	15.7	46.0
864.078750	34.0	V	29.1	12.0	46.0

PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB/m)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
2308.545455	40.1	H	-15.8	33.9	74.0
2578.000000	42.1	H	-15.8	31.9	74.0
4959.454546	41.8	H	-11.0	32.2	74.0
6693.727273	45.5	H	-7.7	28.5	74.0
7906.125000	47.1	H	-3.7	26.9	74.0
17992.093750	56.9	H	12.0	17.1	74.0
1780.000000	41.9	V	-18.8	32.1	74.0
2200.545455	42.5	V	-15.7	31.5	74.0
4959.727273	48.6	V	-11.0	25.5	74.0
6538.000000	46.9	V	-7.3	27.1	74.0
7981.750000	47.8	V	-3.4	26.2	74.0
17996.218750	56.8	V	12.0	17.2	74.0

AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB/m)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
2308.545455	27.2	H	-15.8	26.8	54.0
2578.000000	27.6	H	-15.8	26.4	54.0
4959.454546	36.4	H	-11.0	17.6	54.0
6693.727273	35.2	H	-7.7	18.9	54.0
7906.125000	37.6	H	-3.7	16.4	54.0
17992.093750	47.7	H	12.0	6.3	54.0
1780.000000	32.4	V	-18.8	21.6	54.0
2200.545455	31.8	V	-15.7	22.2	54.0
4959.727273	37.8	V	-11.0	16.2	54.0
6538.000000	35.3	V	-7.3	18.7	54.0
7981.750000	37.3	V	-3.4	16.7	54.0
17996.218750	47.1	V	12.0	7.0	54.0

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