

RF Test Data for Bluetooth (BR+EDR) (Conducted Measurements)

General Description of EUT	
EUT Name:	Portable Gaming Computer(Tablet computer)
Model:	AYANEO Pocket VERT
Sample ID:	HC-C-202509-0278-02-03-2#
Test Standard:	FCC Part 15.247
Environmental Conditions	
Ambient Temperature:	25℃
Ambient Humidity:	45%RH
Test Power Supply:	DC 3.85V
Test Engineer:	Gold.zhang
Note: For a more detailed features description, please refer to the report TBR-C-202509-0278-1	

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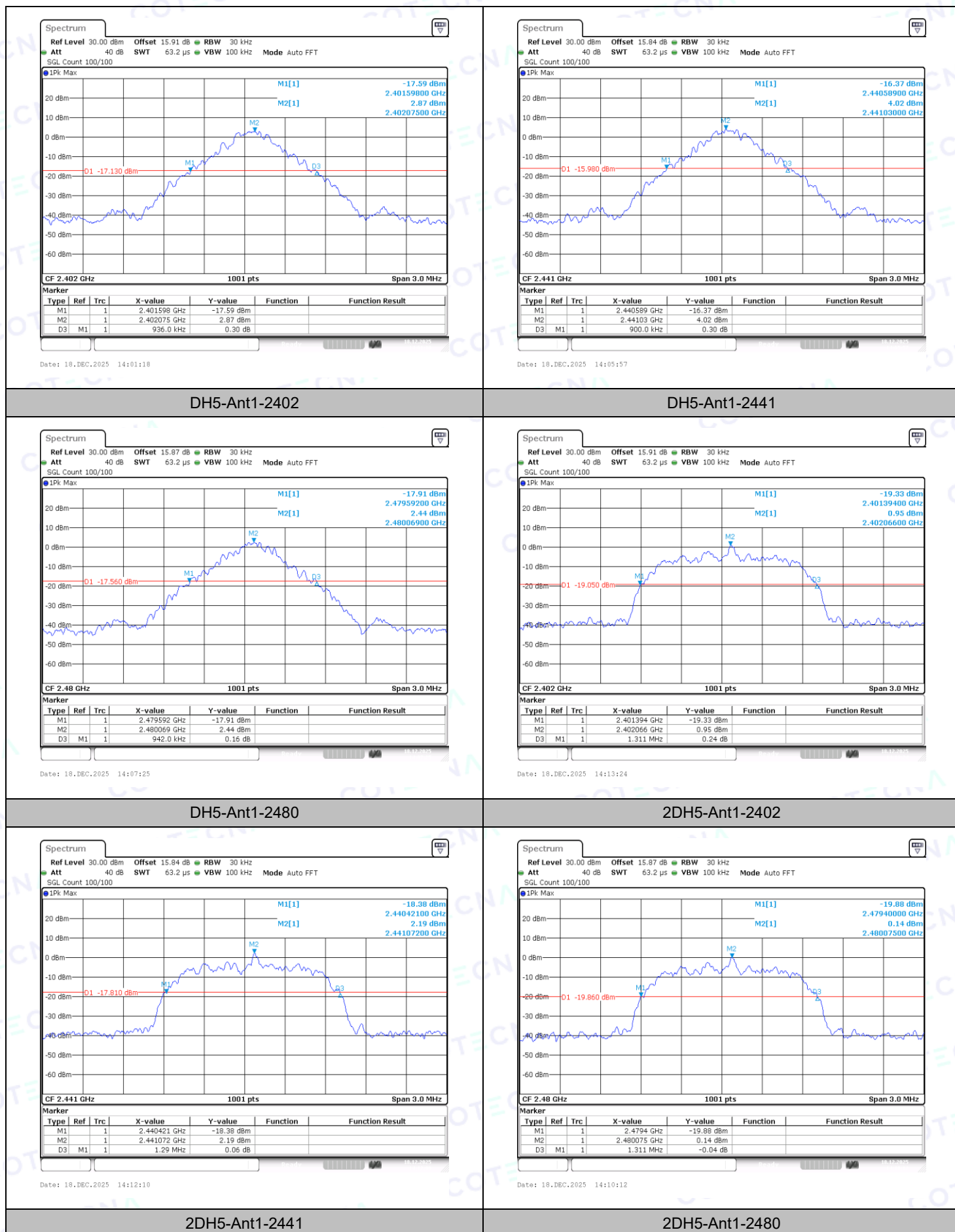
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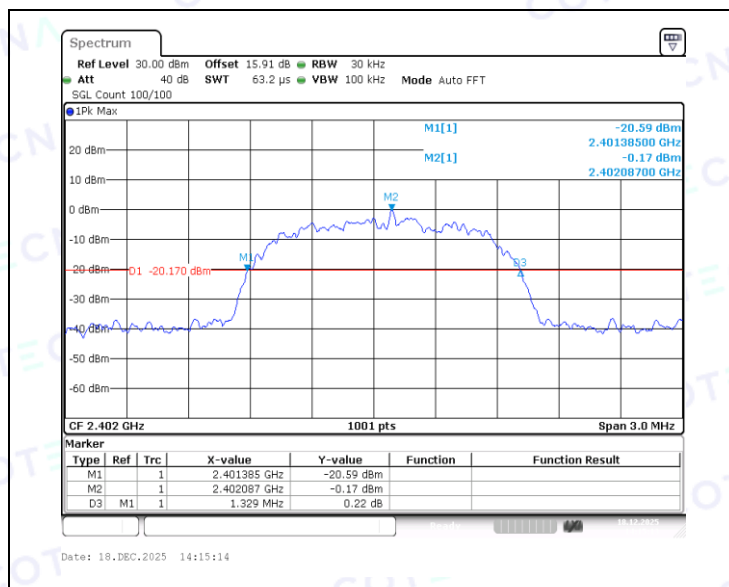
1: 20dB Emission Bandwidth

1.1 Test Result

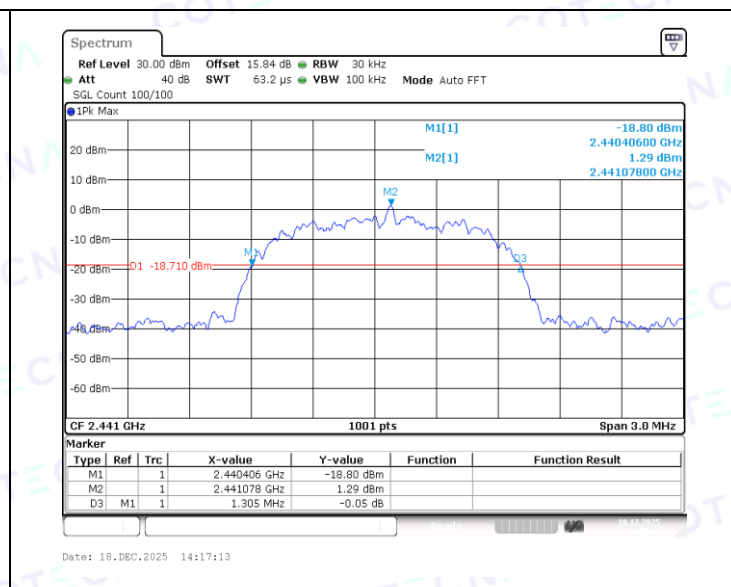
Test Mode	Antenna	Frequency[MHz]	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.94	2401.60	2402.53	---	---
DH5	Ant1	2441	0.90	2440.59	2441.49	---	---
DH5	Ant1	2480	0.94	2479.59	2480.53	---	---
2DH5	Ant1	2402	1.31	2401.39	2402.71	---	---
2DH5	Ant1	2441	1.29	2440.42	2441.71	---	---
2DH5	Ant1	2480	1.31	2479.40	2480.71	---	---
3DH5	Ant1	2402	1.33	2401.39	2402.71	---	---
3DH5	Ant1	2441	1.31	2440.41	2441.71	---	---
3DH5	Ant1	2480	1.27	2479.41	2480.68	---	---

1.2 Test Graphs

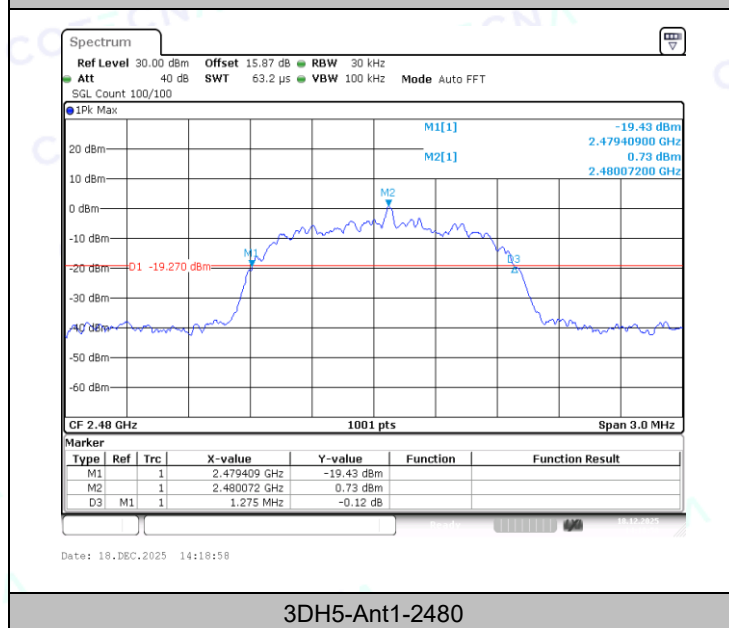




3DH5-Ant1-2402



3DH5-Ant1-2441



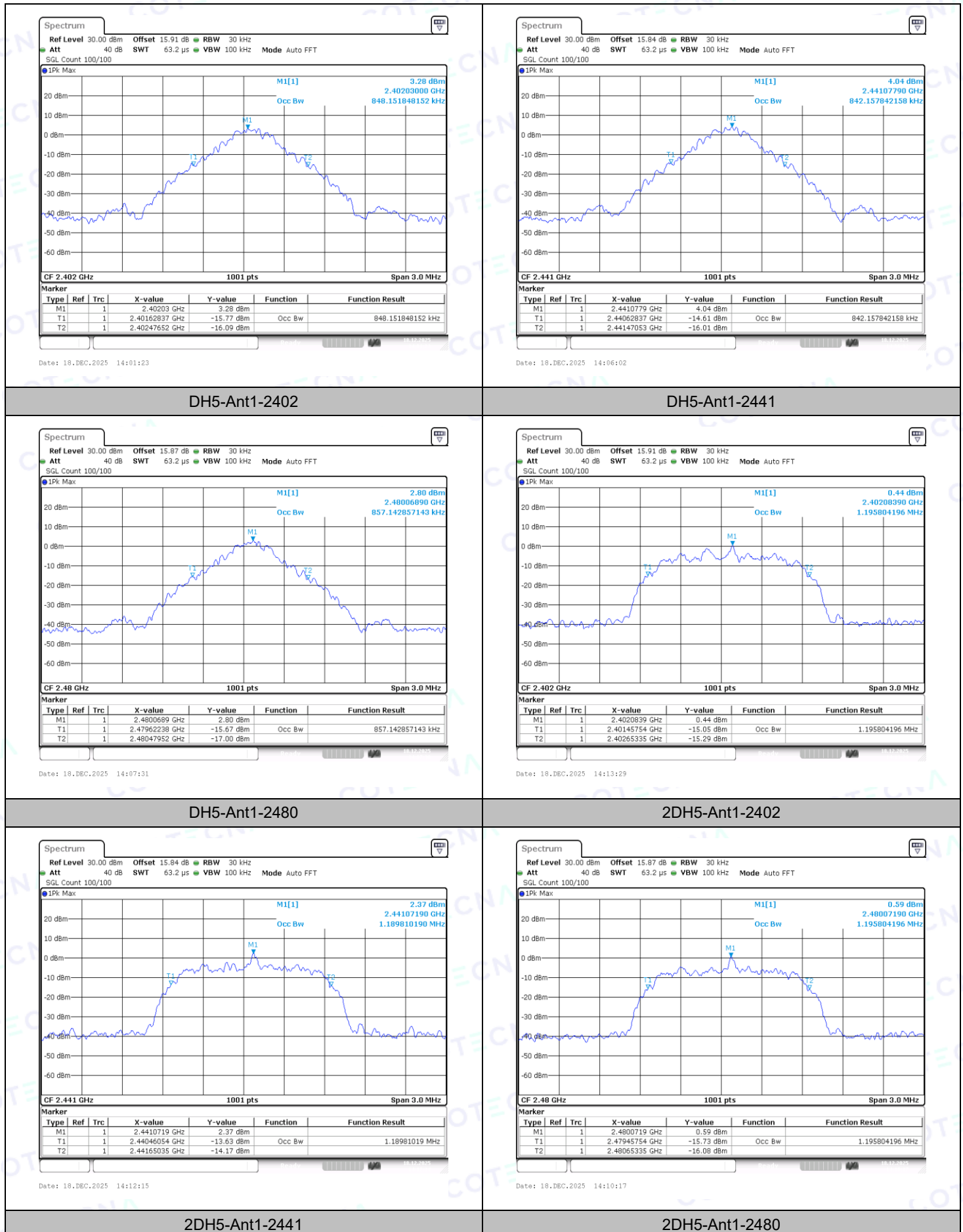
3DH5-Ant1-2480

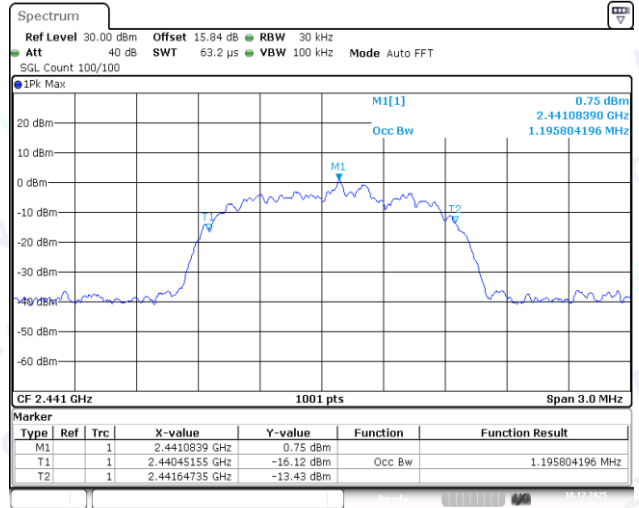
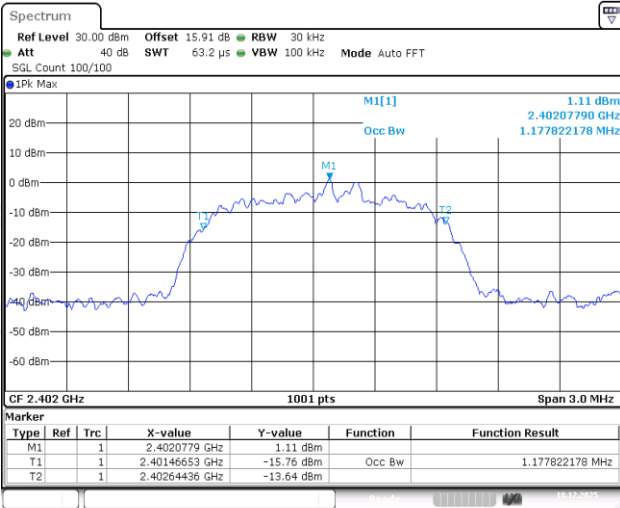
2: Occupied Channel Bandwidth

2.1 Test Result

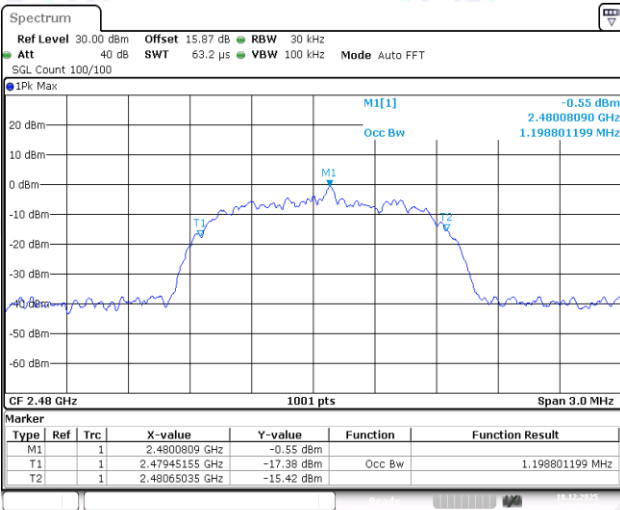
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84815	2401.6284	2402.4765	---	---
DH5	Ant1	2441	0.84216	2440.6284	2441.4705	---	---
DH5	Ant1	2480	0.85714	2479.6224	2480.4795	---	---
2DH5	Ant1	2402	1.1958	2401.4575	2402.6533	---	---
2DH5	Ant1	2441	1.1898	2440.4605	2441.6503	---	---
2DH5	Ant1	2480	1.1958	2479.4575	2480.6533	---	---
3DH5	Ant1	2402	1.1778	2401.4665	2402.6444	---	---
3DH5	Ant1	2441	1.1958	2440.4515	2441.6474	---	---
3DH5	Ant1	2480	1.1988	2479.4515	2480.6503	---	---

2.2 Test Graphs





3DH5-Ant1-2402



3DH5-Ant1-2441

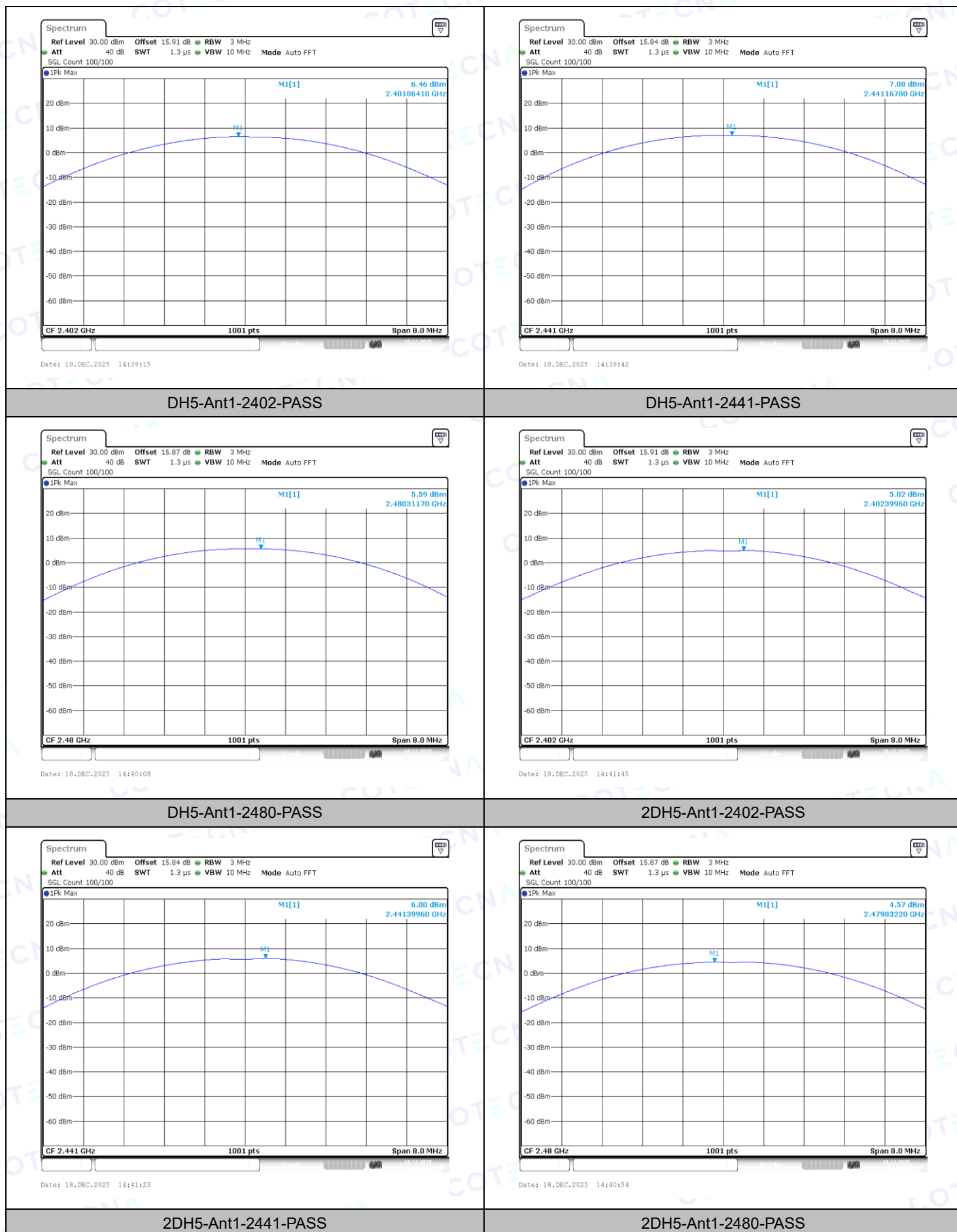
3DH5-Ant1-2480

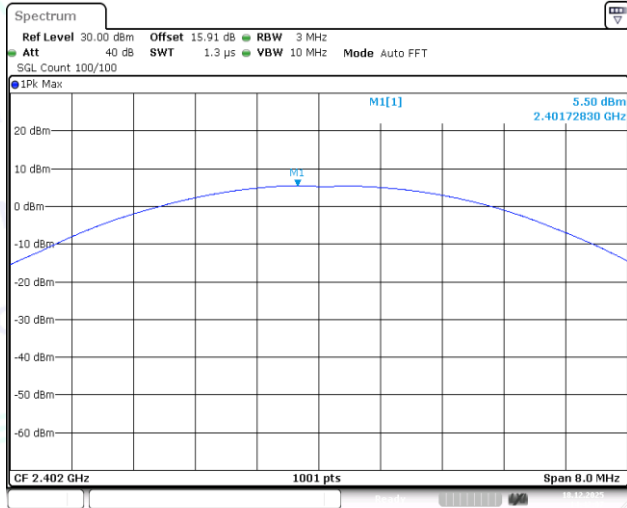
3: Maximum conducted output power

3.1 Test Result Peak

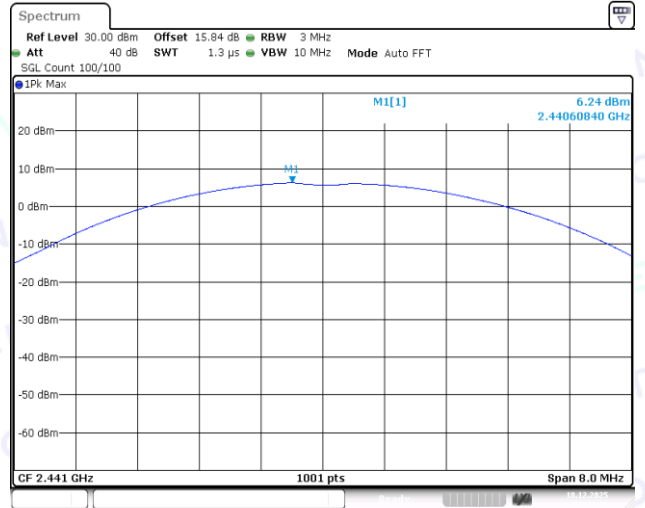
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	6.46	≤21	PASS
DH5	Ant1	2441	7.08	≤21	PASS
DH5	Ant1	2480	5.59	≤21	PASS
2DH5	Ant1	2402	5.02	≤21	PASS
2DH5	Ant1	2441	6.00	≤21	PASS
2DH5	Ant1	2480	4.57	≤21	PASS
3DH5	Ant1	2402	5.50	≤21	PASS
3DH5	Ant1	2441	6.24	≤21	PASS
3DH5	Ant1	2480	4.80	≤21	PASS

3.2 Test Graphs

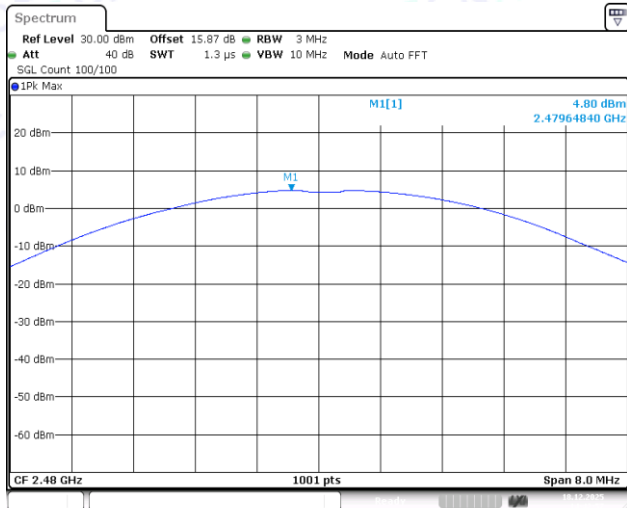




3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS

4: Carrier frequency separation

4.1 Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.009	≥ 0.627	PASS
2DH5	Ant1	Hop	1.003	≥ 0.873	PASS
3DH5	Ant1	Hop	1.009	≥ 0.887	PASS

4.2 Test Graphs

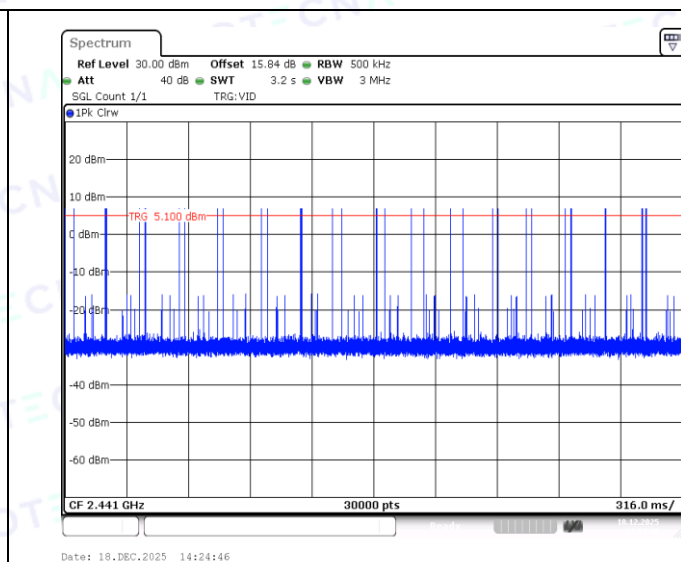
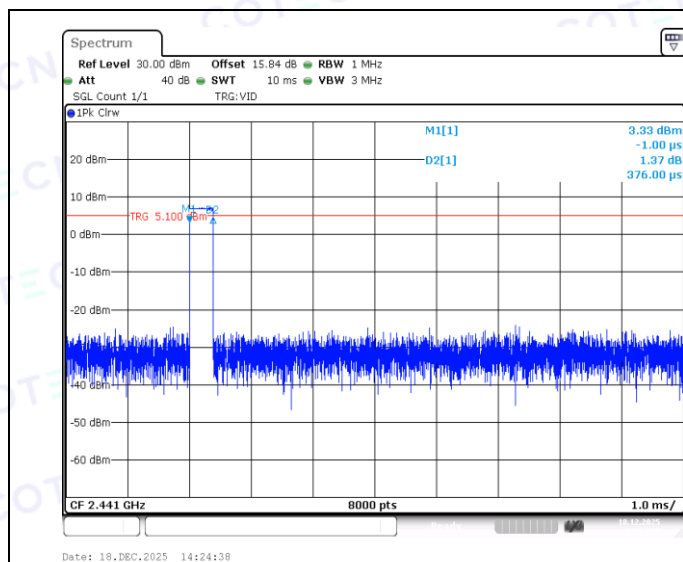


5: Time of occupancy

5.1 Test Result

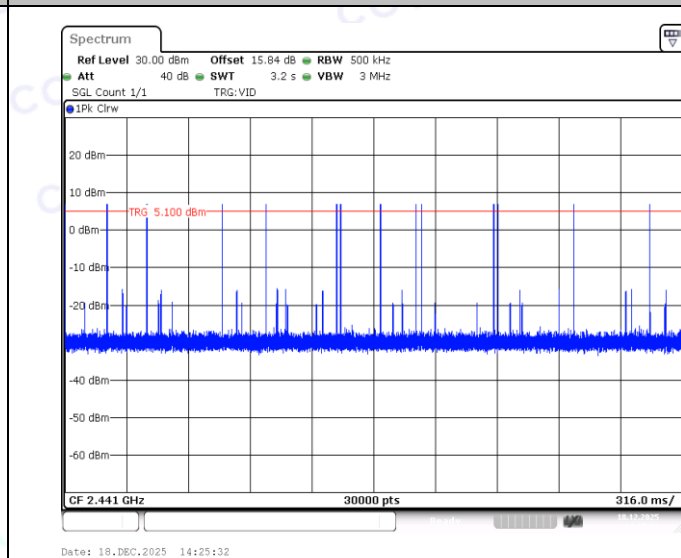
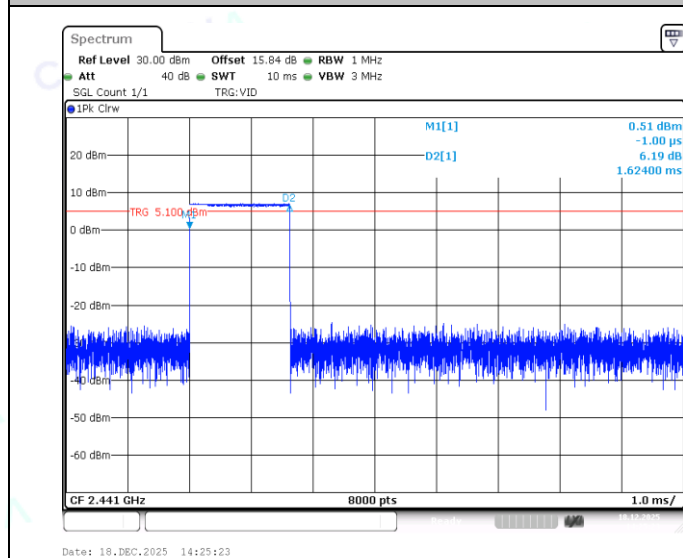
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.376	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.624	140	0.227	≤0.4	PASS
DH5	Ant1	Hop	2.864	100	0.286	≤0.4	PASS
2DH1	Ant1	Hop	0.383	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.626	140	0.228	≤0.4	PASS
2DH5	Ant1	Hop	2.867	120	0.344	≤0.4	PASS
3DH1	Ant1	Hop	0.381	330	0.126	≤0.4	PASS
3DH3	Ant1	Hop	1.625	150	0.244	≤0.4	PASS
3DH5	Ant1	Hop	2.869	90	0.258	≤0.4	PASS

5.2 Test Graphs



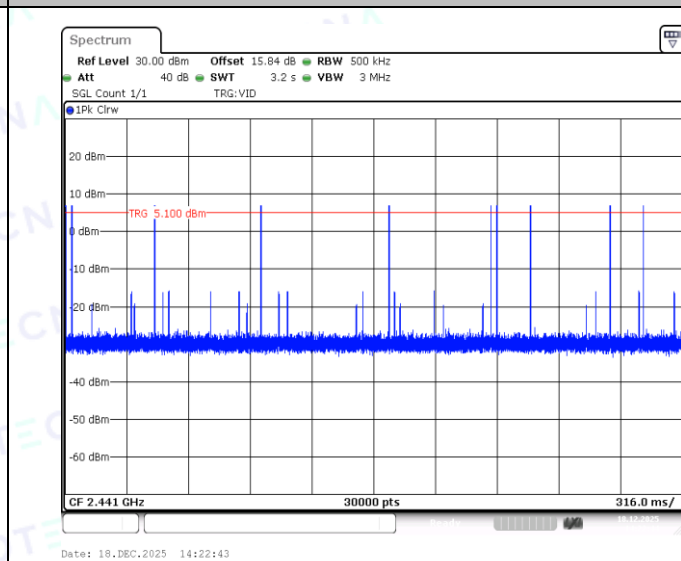
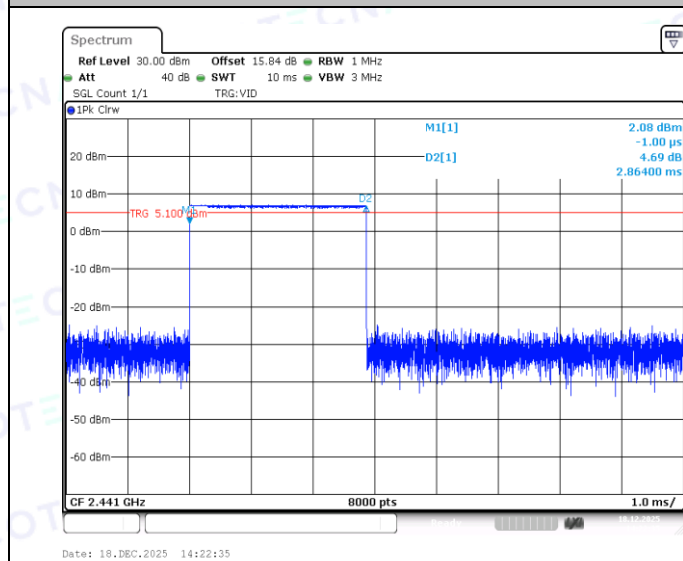
DH1-Ant1-Hop-PASS

DH1-Ant1-Hop-PASS



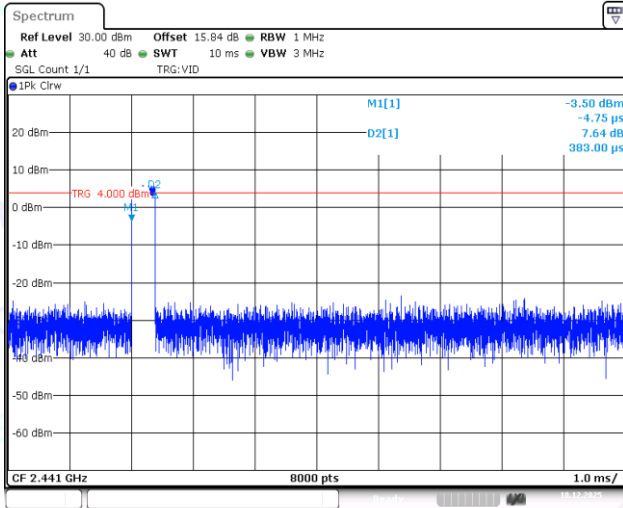
DH3-Ant1-Hop-PASS

DH3-Ant1-Hop-PASS



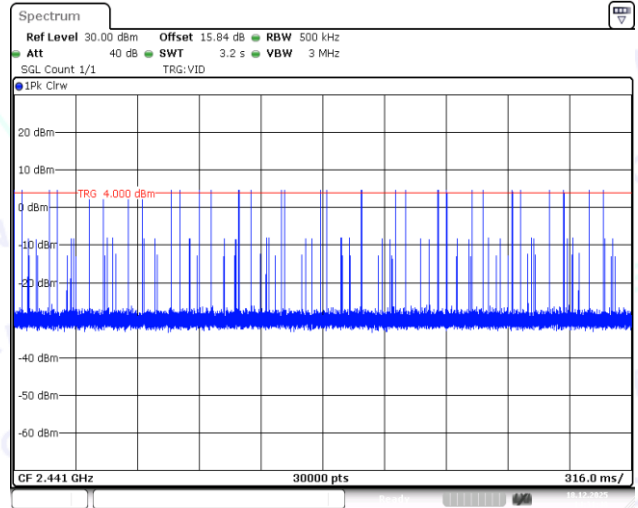
DH5-Ant1-Hop-PASS

DH5-Ant1-Hop-PASS



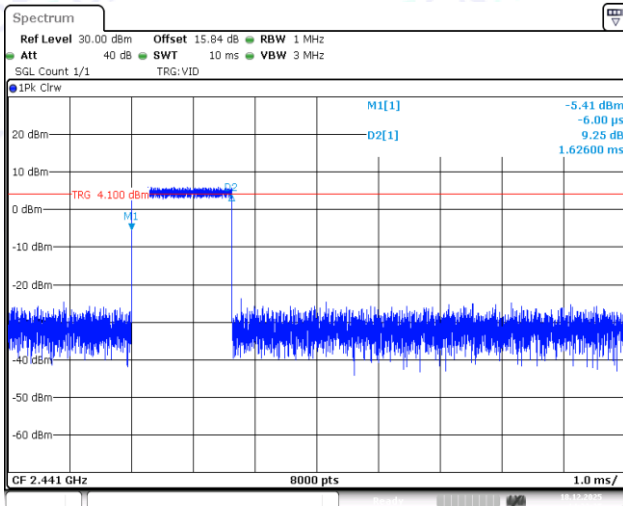
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2DH1-Ant1-Hop-PASS



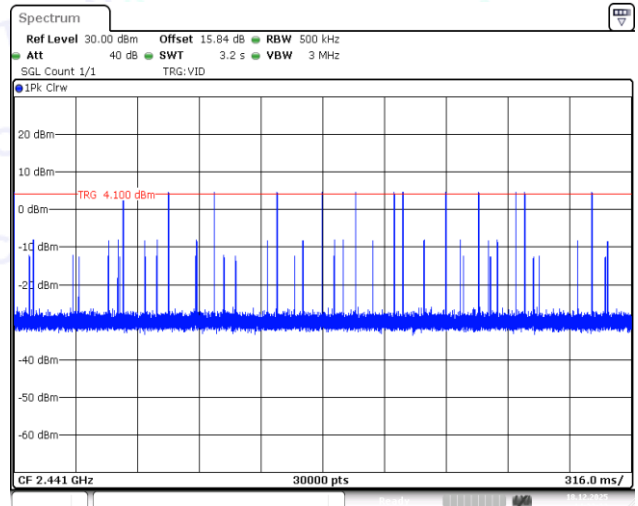
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2DH1-Ant1-Hop-PASS



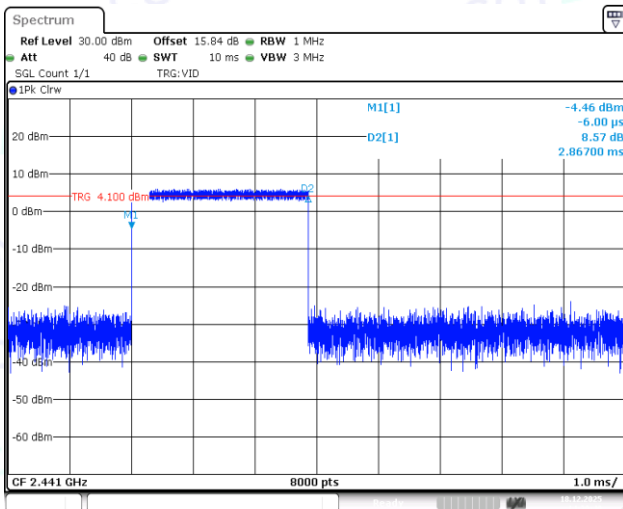
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2DH3-Ant1-Hop-PASS



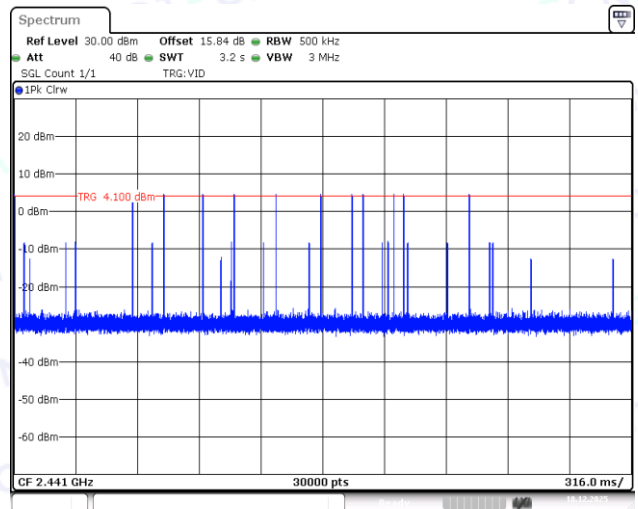
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2DH3-Ant1-Hop-PASS



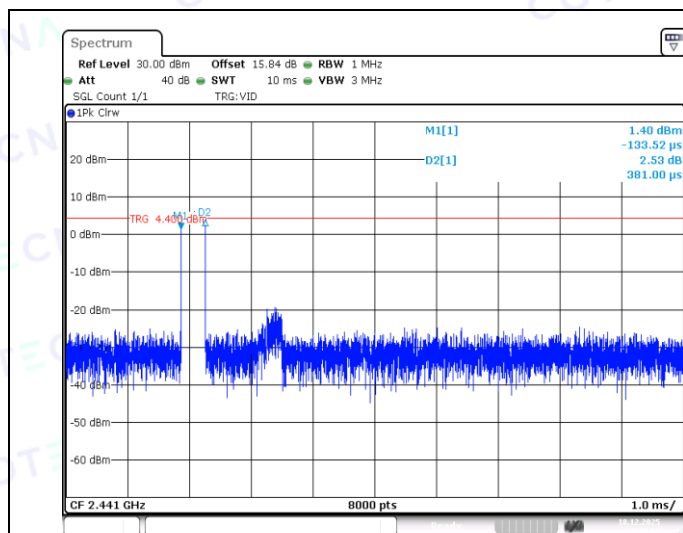
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2DH5-Ant1-Hop-PASS

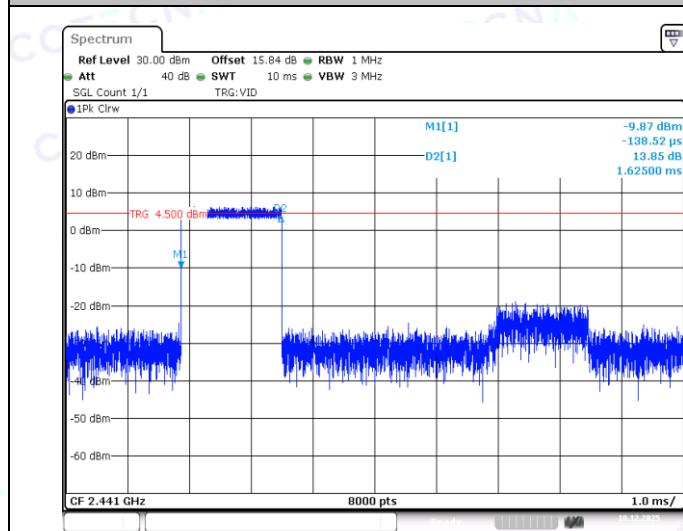


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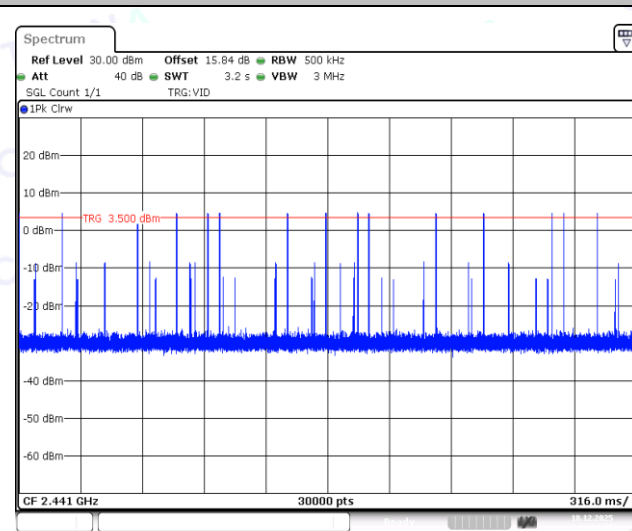
2DH5-Ant1-Hop-PASS



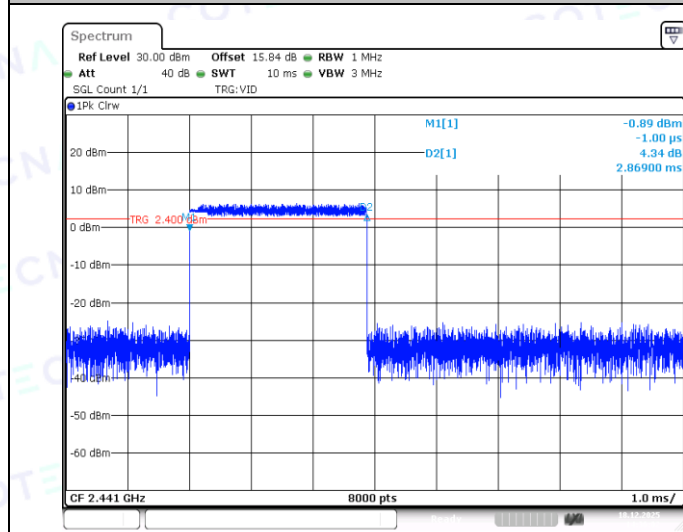
3DH1-Ant1-Hop-PASS



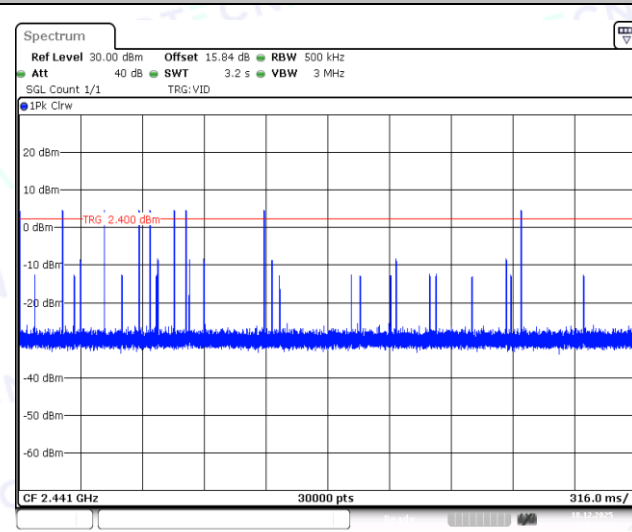
3DH1-Ant1-Hop-PASS



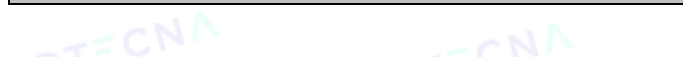
3DH3-Ant1-Hop-PASS



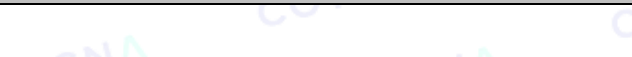
3DH3-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

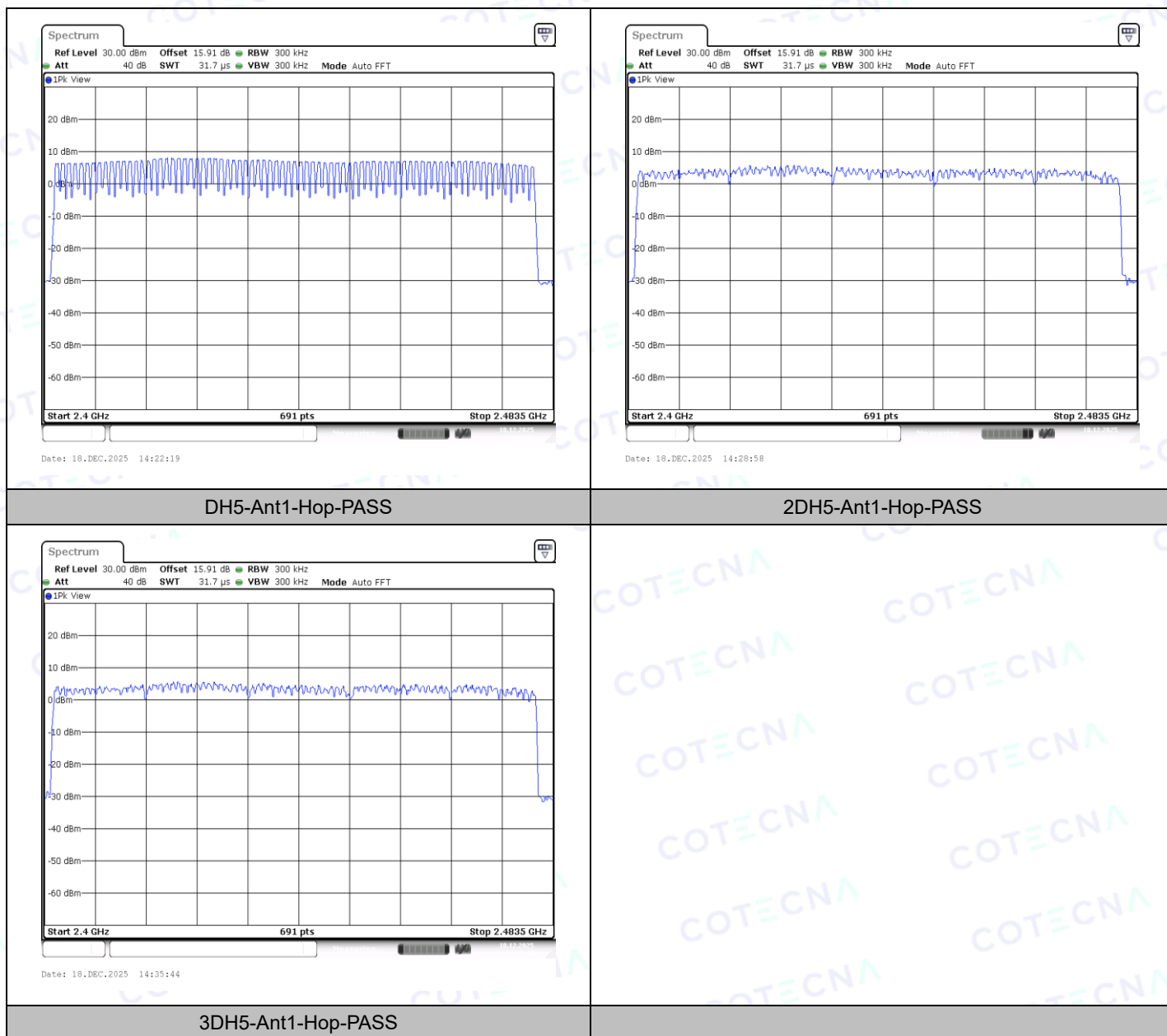


6: Number of hopping channels

6.1 Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

6.2 Test Graphs

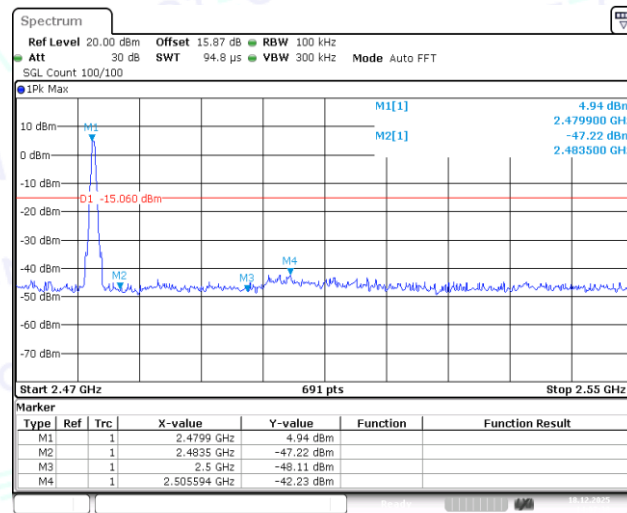
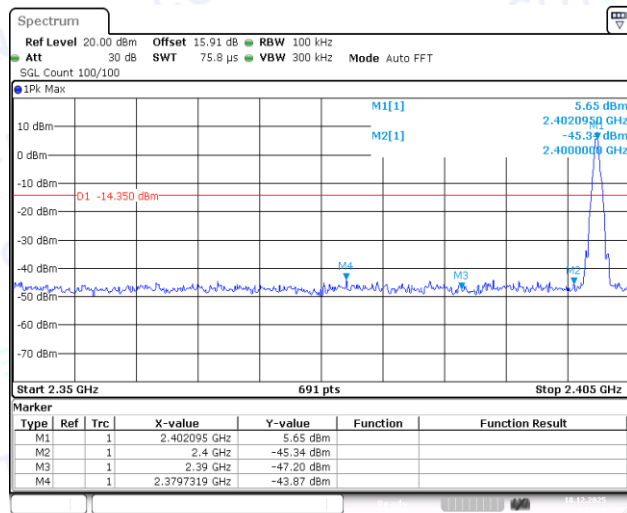


7: Band edge measurements

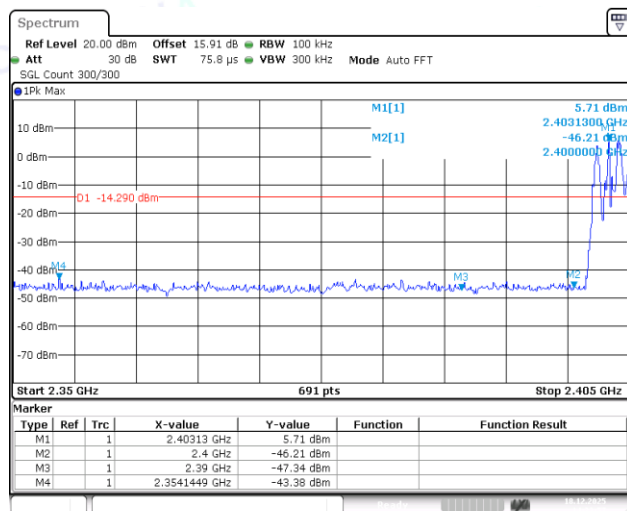
7.1 Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.65	-43.87	≤ -14.35	PASS
DH5	Ant1	High	2480	4.94	-42.23	≤ -15.06	PASS
DH5	Ant1	Low	Hop_2402	5.71	-43.38	≤ -14.29	PASS
DH5	Ant1	High	Hop_2480	6.10	-42	≤ -13.9	PASS
2DH5	Ant1	Low	2402	3.92	-44.39	≤ -16.08	PASS
2DH5	Ant1	High	2480	1.71	-42.51	≤ -18.29	PASS
2DH5	Ant1	Low	Hop_2402	1.01	-43.99	≤ -18.99	PASS
2DH5	Ant1	High	Hop_2480	3.15	-42.61	≤ -16.85	PASS
3DH5	Ant1	Low	2402	3.50	-43.87	≤ -16.5	PASS
3DH5	Ant1	High	2480	2.34	-42.14	≤ -17.66	PASS
3DH5	Ant1	Low	Hop_2402	0.65	-42.35	≤ -19.35	PASS
3DH5	Ant1	High	Hop_2480	3.64	-42.54	≤ -16.36	PASS

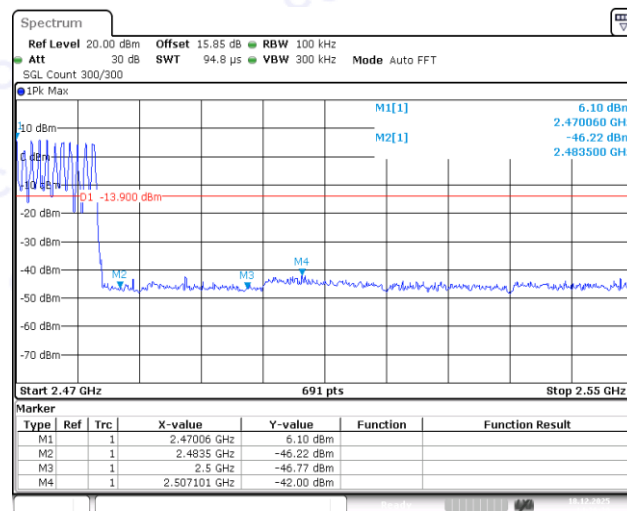
7.2 Test Graphs



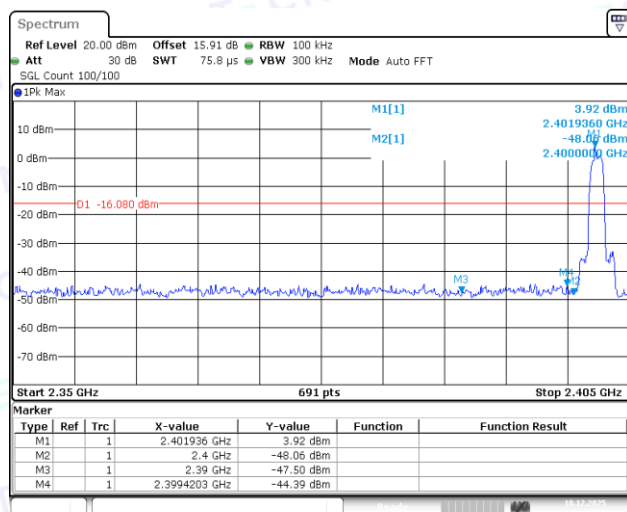
DH5-Ant1-2402-PASS



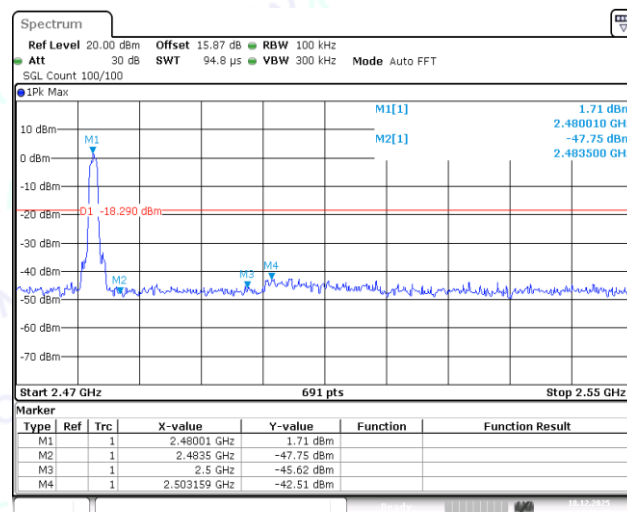
DH5-Ant1-2480-PASS



DH5-Ant1-Hop_2402-PASS

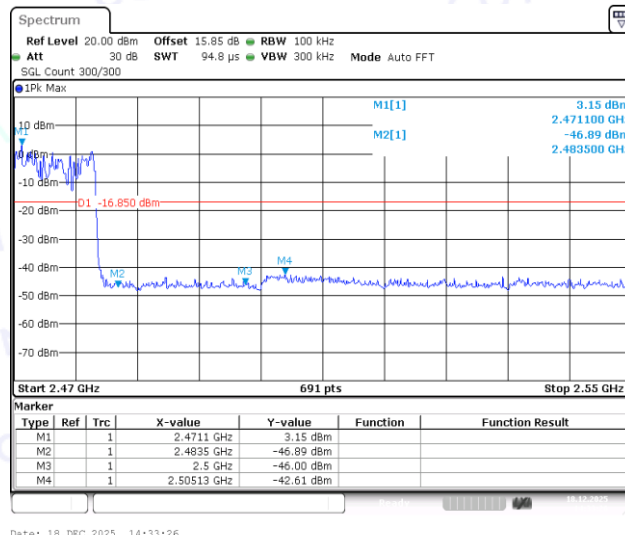
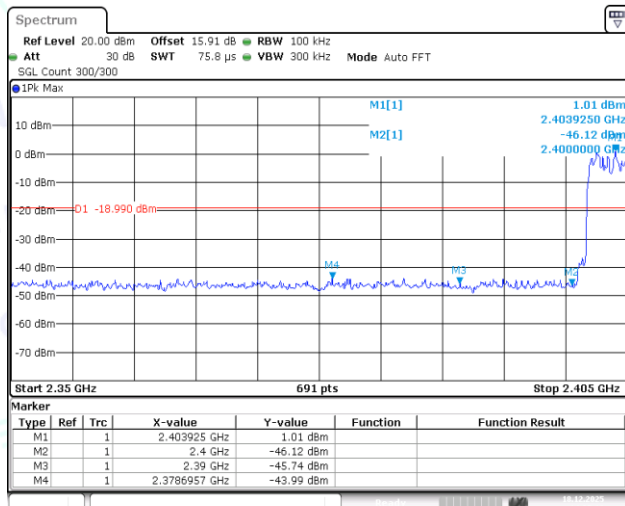


DH5-Ant1-Hop_2480-PASS



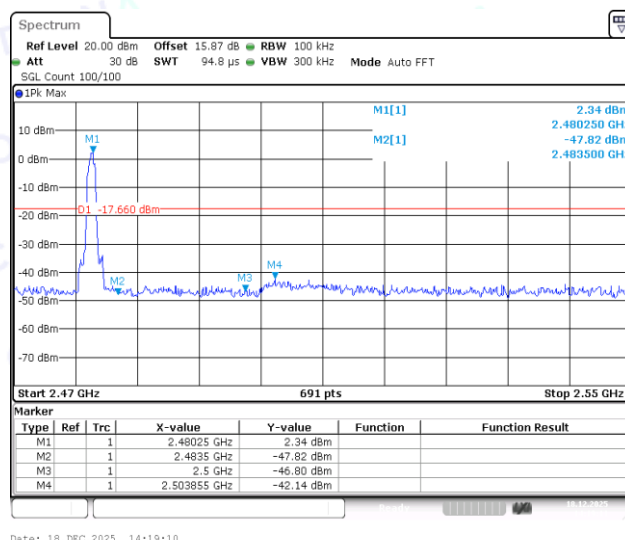
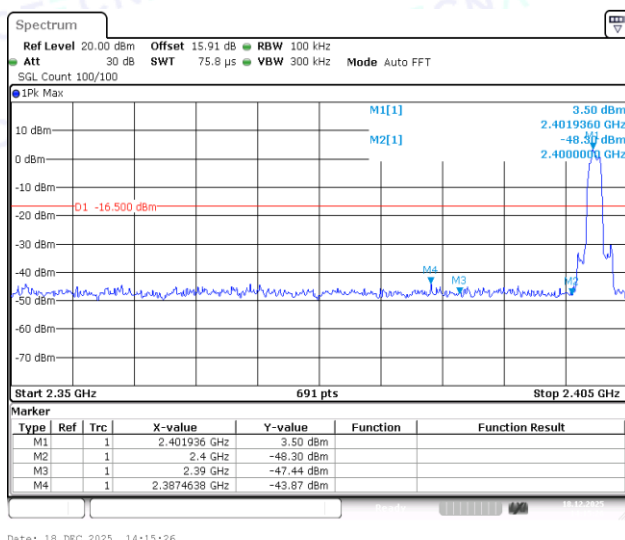
2DH5-Ant1-2402-PASS

2DH5-Ant1-2480-PASS



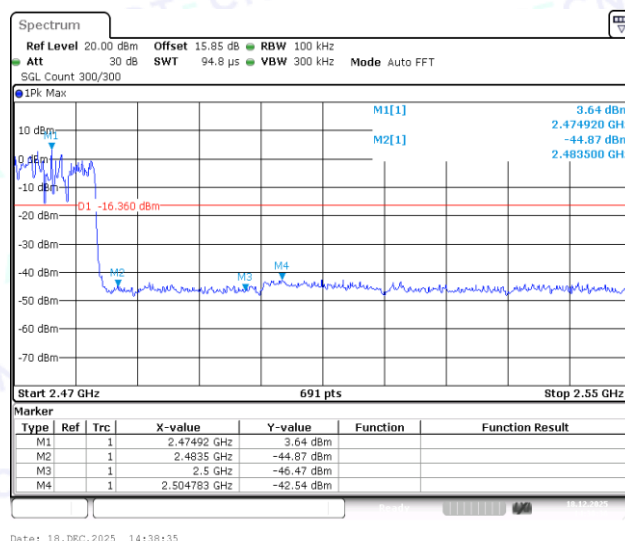
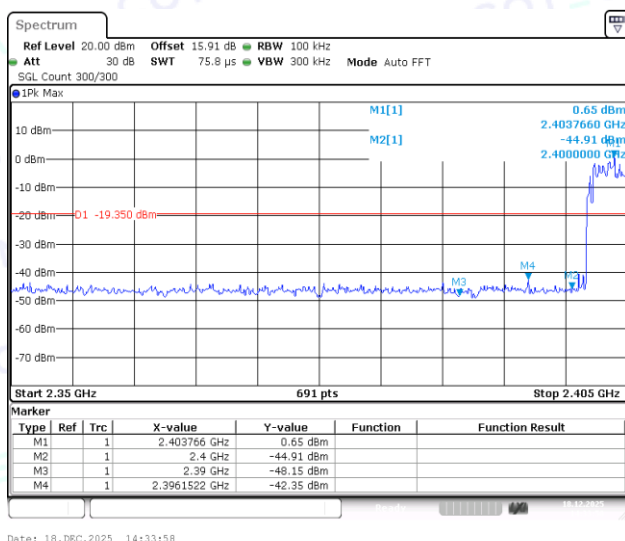
2DH5-Ant1-Hop_2402-PASS

2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS

3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

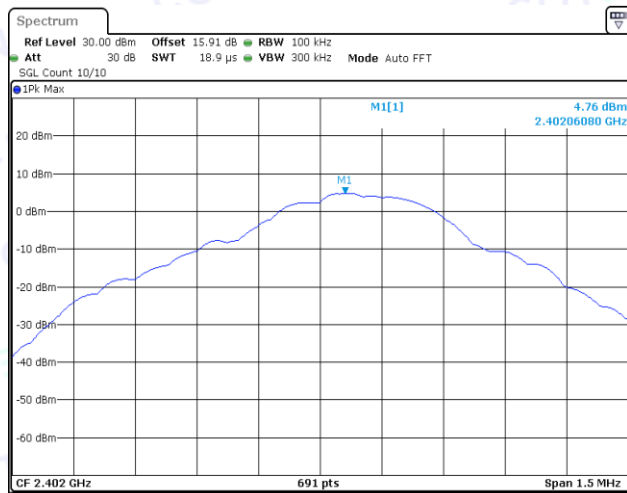
3DH5-Ant1-Hop_2480-PASS

8: Conducted Spurious Emission

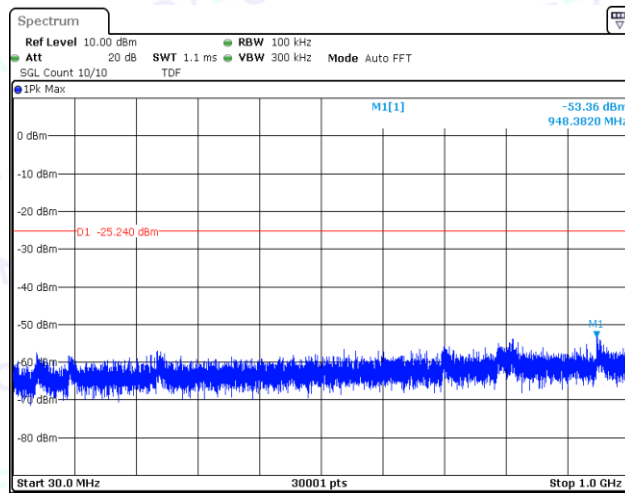
8.1 Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	4.76	4.76	---	PASS
DH5	Ant1	2402	30~1000	4.76	-53.36	≤-25.24	PASS
DH5	Ant1	2402	1000~26500	4.76	-46.54	≤-25.24	PASS
DH5	Ant1	2441	0~Reference	6.21	6.21	---	PASS
DH5	Ant1	2441	30~1000	6.21	-53.34	≤-23.79	PASS
DH5	Ant1	2441	1000~26500	6.21	-46.88	≤-23.79	PASS
DH5	Ant1	2480	0~Reference	4.22	4.22	---	PASS
DH5	Ant1	2480	30~1000	4.22	-52.65	≤-25.78	PASS
DH5	Ant1	2480	1000~26500	4.22	-47	≤-25.78	PASS
2DH5	Ant1	2402	0~Reference	2.68	2.68	---	PASS
2DH5	Ant1	2402	30~1000	2.68	-53.58	≤-27.32	PASS
2DH5	Ant1	2402	1000~26500	2.68	-46.99	≤-27.32	PASS
2DH5	Ant1	2441	0~Reference	0.54	0.54	---	PASS
2DH5	Ant1	2441	30~1000	0.54	-54.06	≤-29.46	PASS
2DH5	Ant1	2441	1000~26500	0.54	-46.76	≤-29.46	PASS
2DH5	Ant1	2480	0~Reference	0.54	0.54	---	PASS
2DH5	Ant1	2480	30~1000	0.54	-53.48	≤-29.46	PASS
2DH5	Ant1	2480	1000~26500	0.54	-46.91	≤-29.46	PASS
3DH5	Ant1	2402	0~Reference	0.09	0.09	---	PASS
3DH5	Ant1	2402	30~1000	0.09	-53.12	≤-29.91	PASS
3DH5	Ant1	2402	1000~26500	0.09	-46.76	≤-29.91	PASS
3DH5	Ant1	2441	0~Reference	0.27	0.27	---	PASS
3DH5	Ant1	2441	30~1000	0.27	-52.25	≤-29.73	PASS
3DH5	Ant1	2441	1000~26500	0.27	-47.45	≤-29.73	PASS
3DH5	Ant1	2480	0~Reference	0.15	0.15	---	PASS
3DH5	Ant1	2480	30~1000	0.15	-52.81	≤-29.85	PASS
3DH5	Ant1	2480	1000~26500	0.15	-46.98	≤-29.85	PASS

8.2 Test Graphs



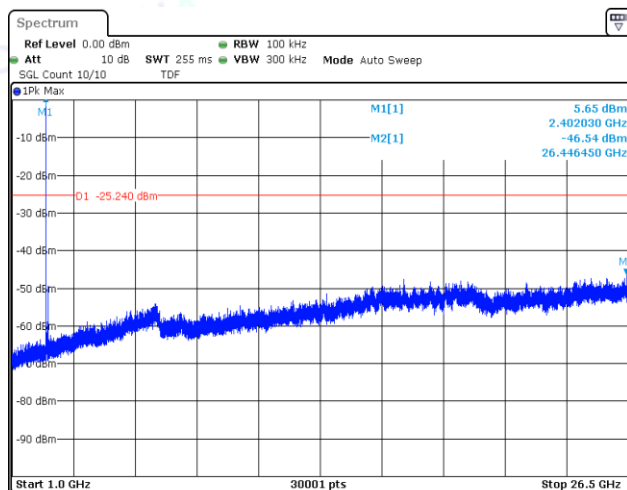
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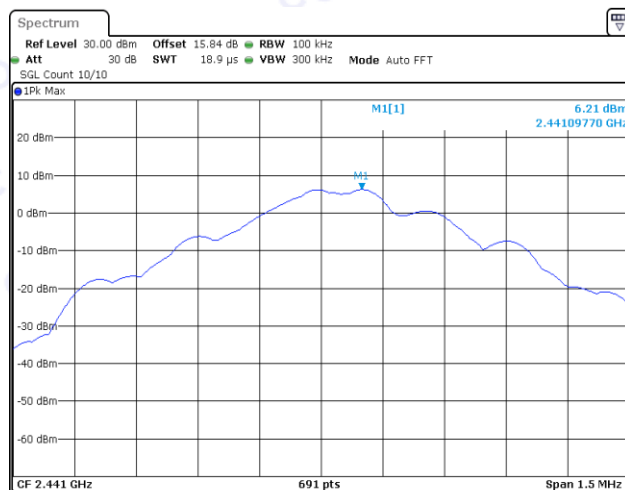
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DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS



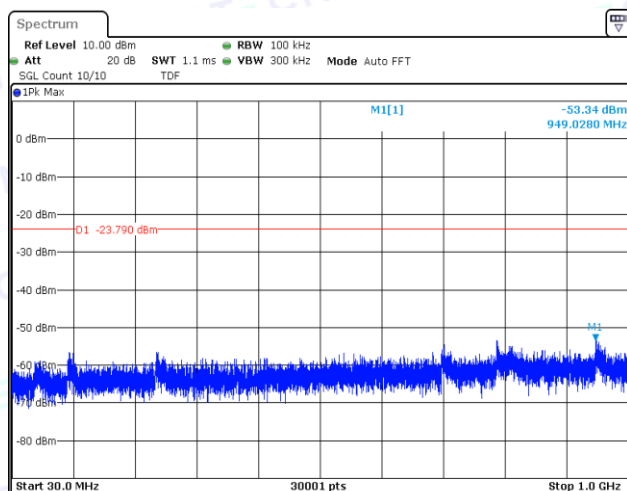
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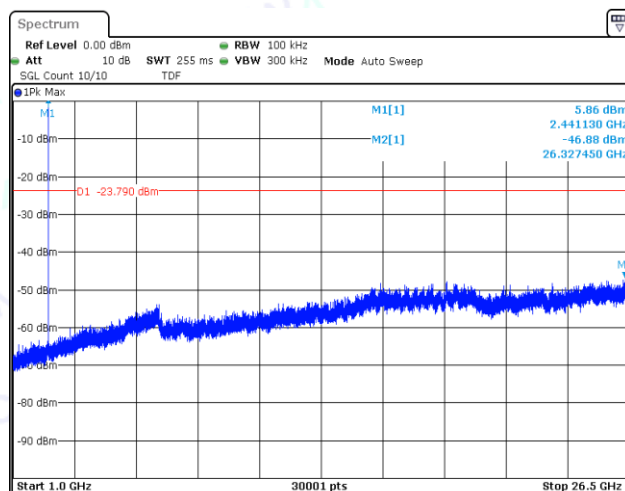
Date: 18.DEC.2025 14:06:06

DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS



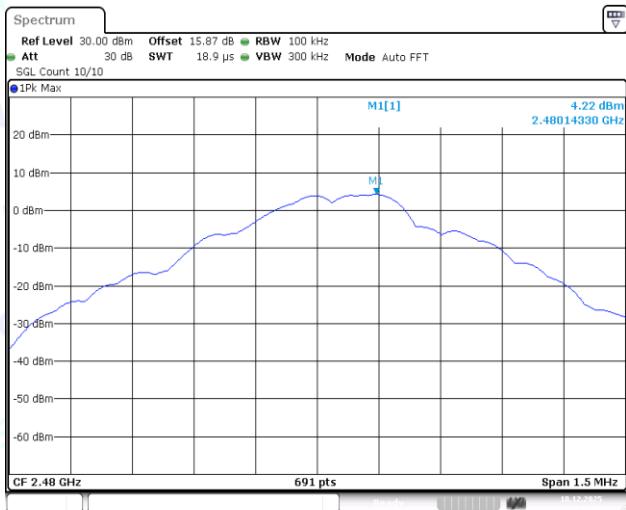
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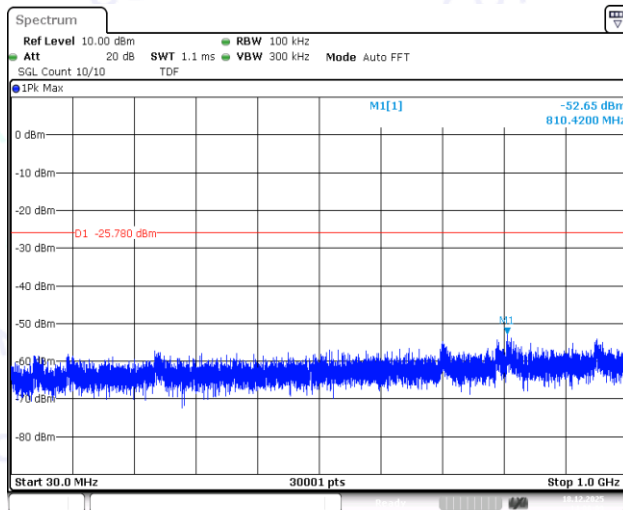
Date: 18.DEC.2025 14:06:31

DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



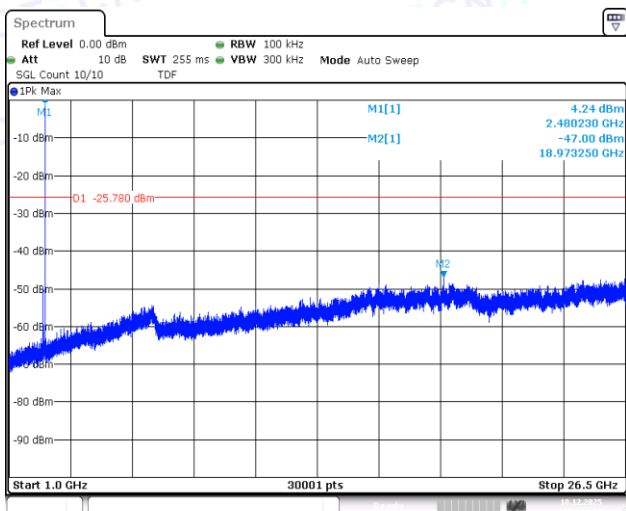
Date: 18.DEC.2025 14:08:02



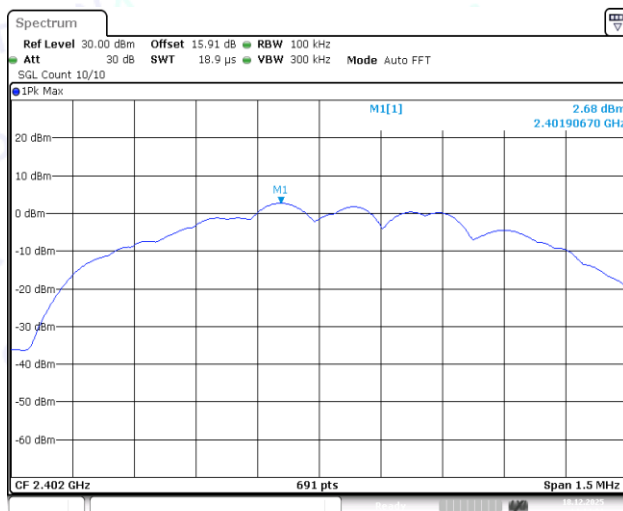
Date: 18.DEC.2025 14:08:10

DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



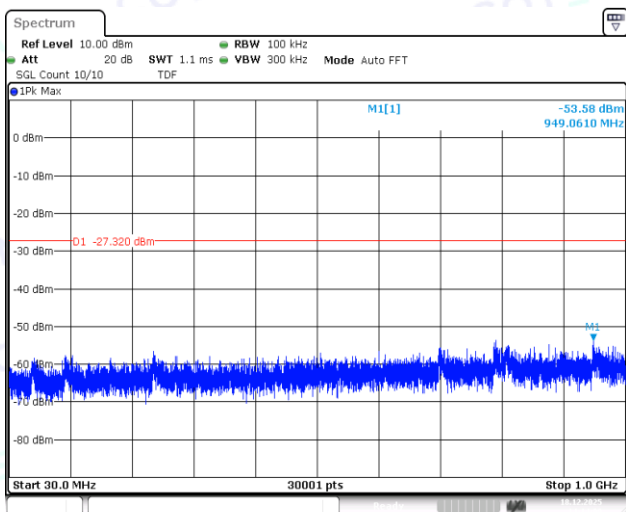
Date: 18.DEC.2025 14:08:27



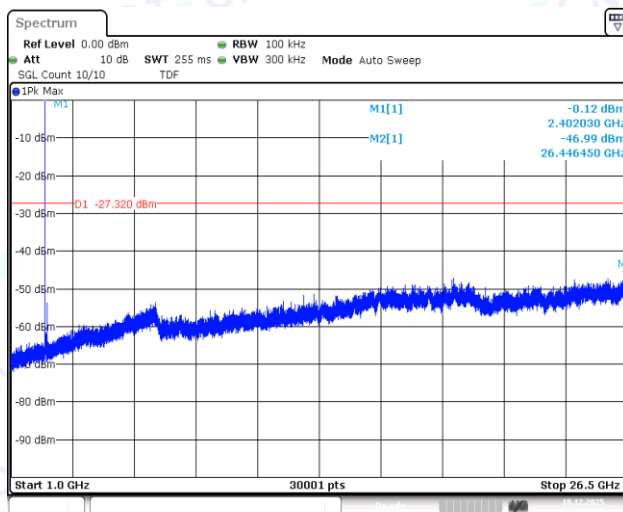
Date: 18.DEC.2025 14:14:02

DH5-Ant1-2480-1000~26500-PASS

2DH5-Ant1-2402-0~Reference-PASS



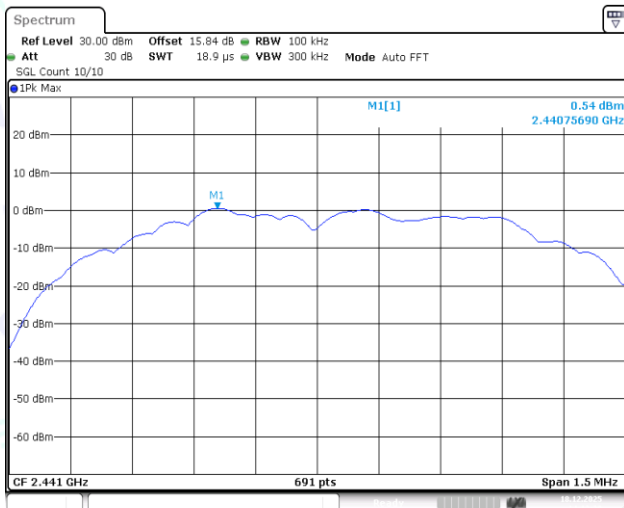
Date: 18.DEC.2025 14:14:09



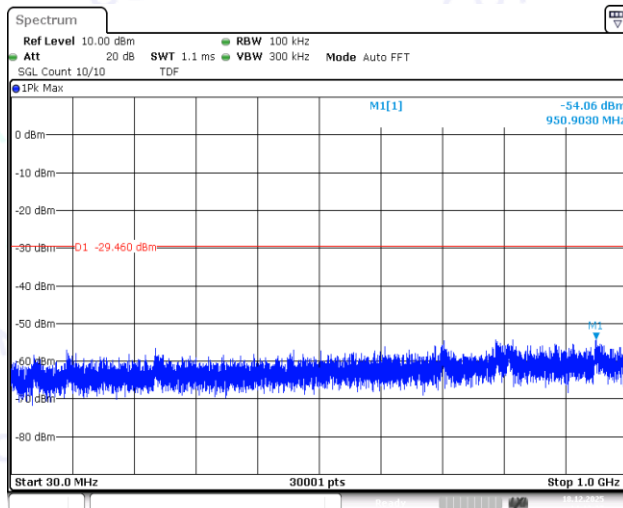
Date: 18.DEC.2025 14:14:27

2DH5-Ant1-2402-30~1000-PASS

2DH5-Ant1-2402-1000~26500-PASS



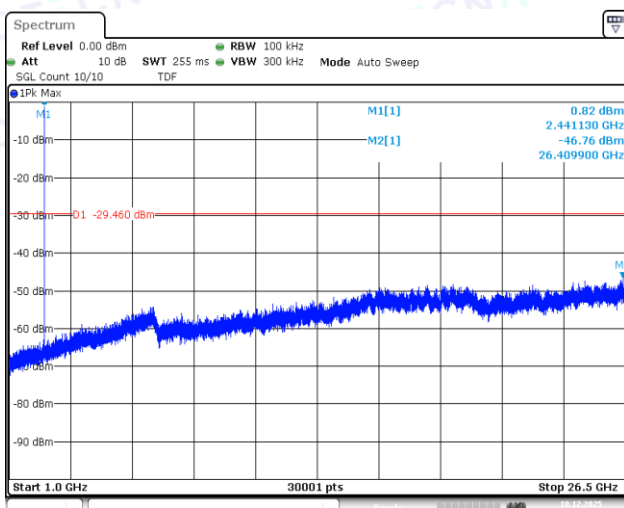
Date: 18.DEC.2025 14:12:19



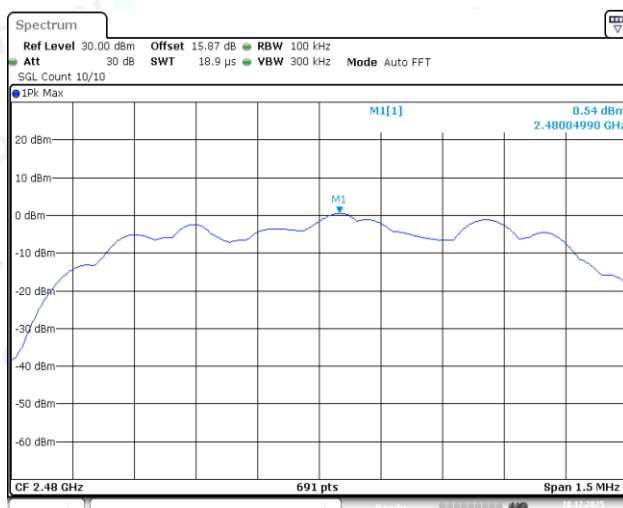
Date: 18.DEC.2025 14:12:27

2DH5-Ant1-2441-0~Reference-PASS

2DH5-Ant1-2441-30~1000-PASS



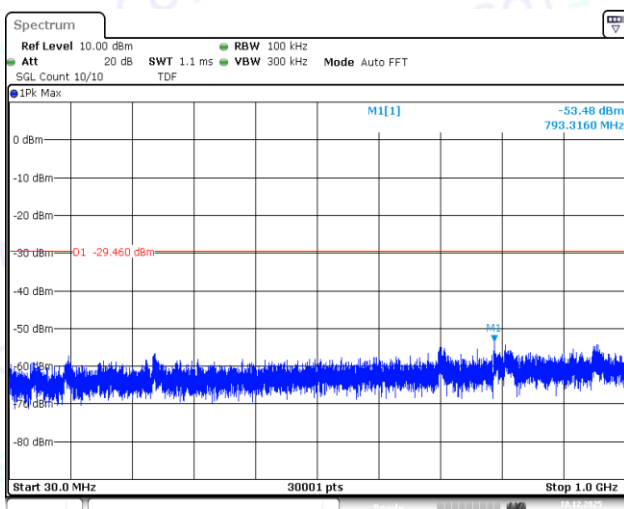
Date: 18.DEC.2025 14:12:45



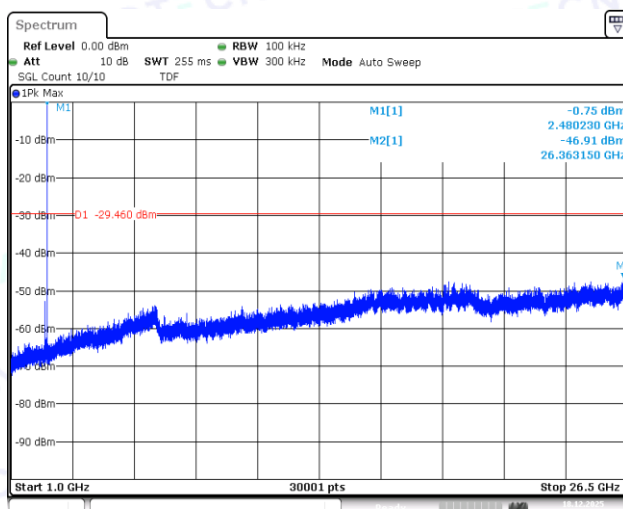
Date: 18.DEC.2025 14:10:48

2DH5-Ant1-2441-1000~26500-PASS

2DH5-Ant1-2480-0~Reference-PASS



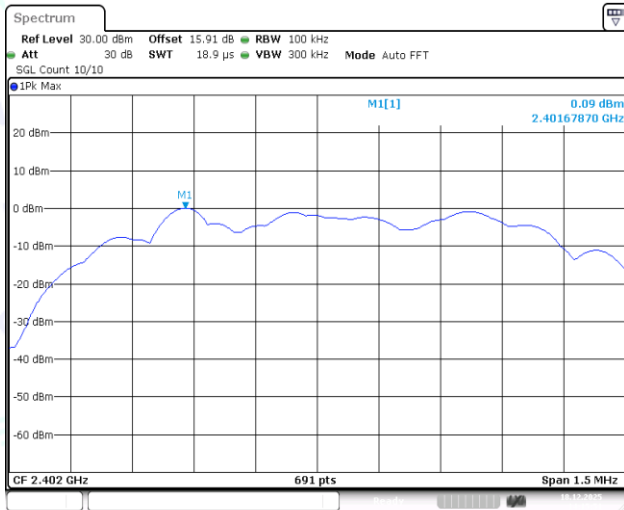
Date: 18.DEC.2025 14:10:55



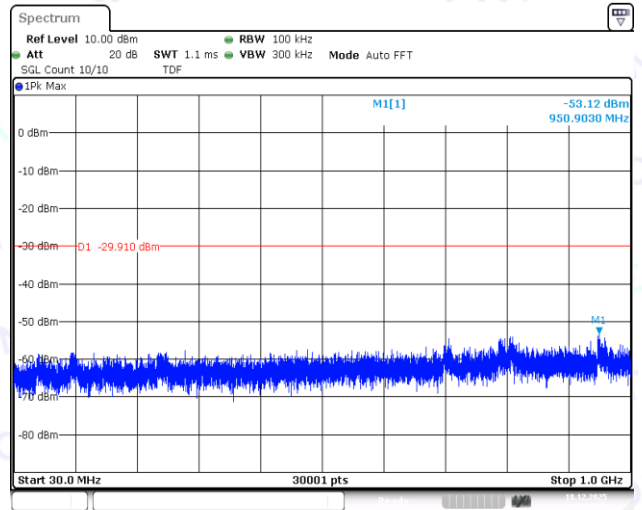
Date: 18.DEC.2025 14:11:13

2DH5-Ant1-2480-30~1000-PASS

2DH5-Ant1-2480-1000~26500-PASS



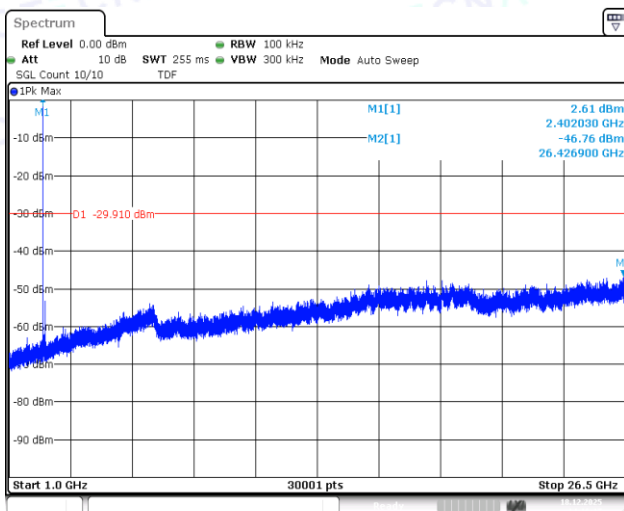
Date: 18.DEC.2025 14:15:51



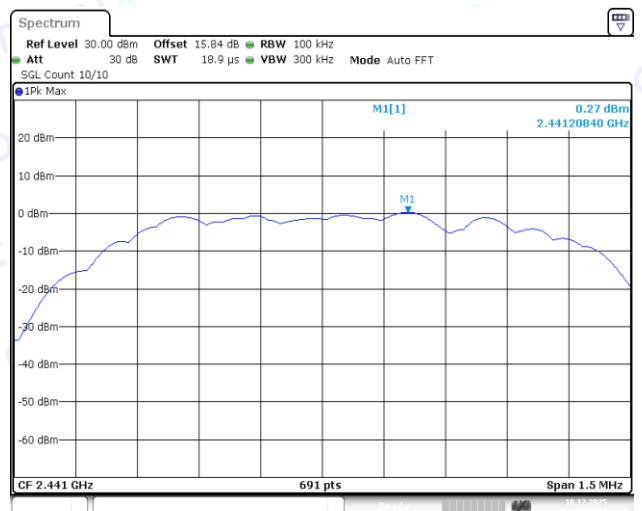
Date: 18.DEC.2025 14:15:59

3DH5-Ant1-2402-0~Reference-PASS

3DH5-Ant1-2402-30~1000-PASS



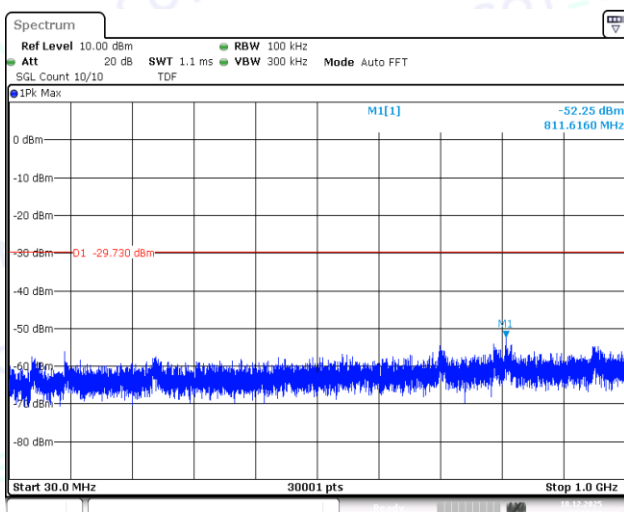
Date: 18.DEC.2025 14:16:16



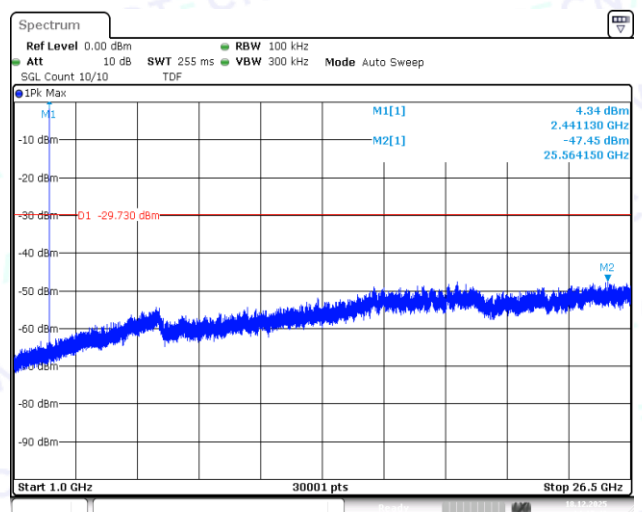
Date: 18.DEC.2025 14:17:23

3DH5-Ant1-2402-1000~26500-PASS

3DH5-Ant1-2441-0~Reference-PASS



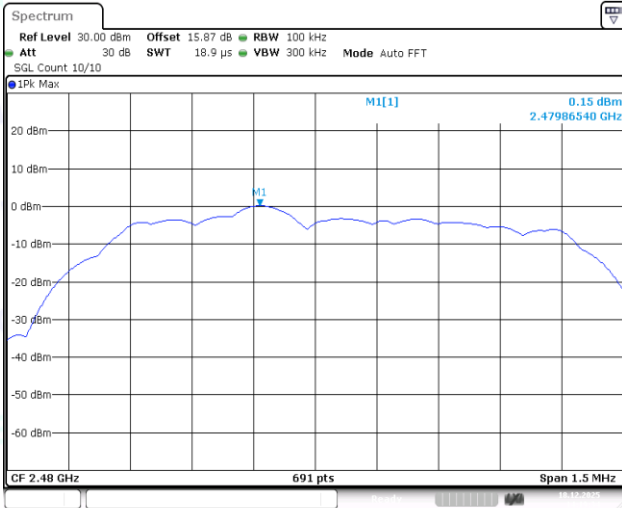
Date: 18.DEC.2025 14:17:30



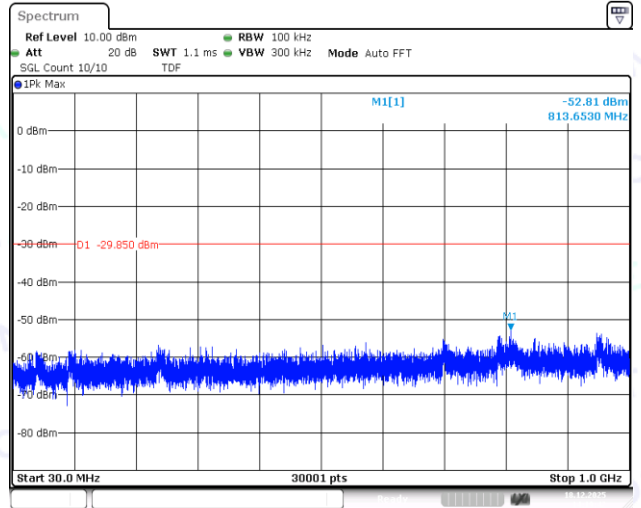
Date: 18.DEC.2025 14:17:48

3DH5-Ant1-2441-30~1000-PASS

3DH5-Ant1-2441-1000~26500-PASS



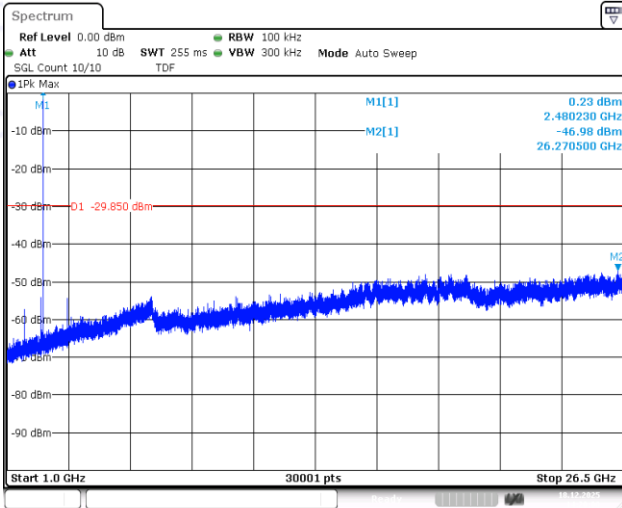
Date: 18.DEC.2025 14:19:34



Date: 18.DEC.2025 14:19:42

3DH5-Ant1-2480-0~Reference-PASS

3DH5-Ant1-2480-30~1000-PASS



Date: 18.DEC.2025 14:19:59

3DH5-Ant1-2480-1000~26500-PASS

9: Duty Cycle

9.1 Test Result

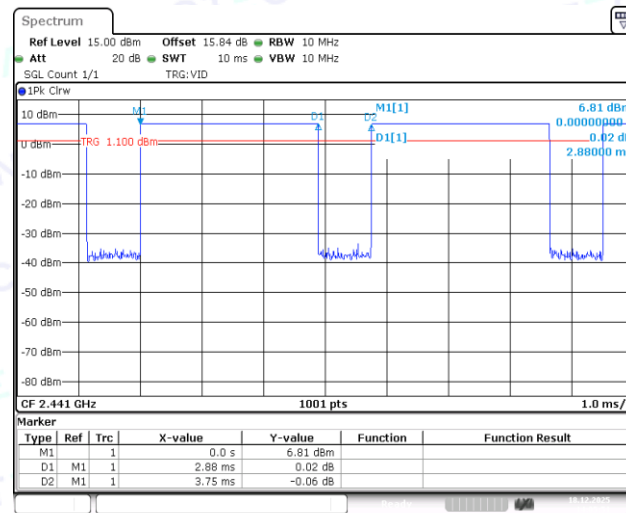
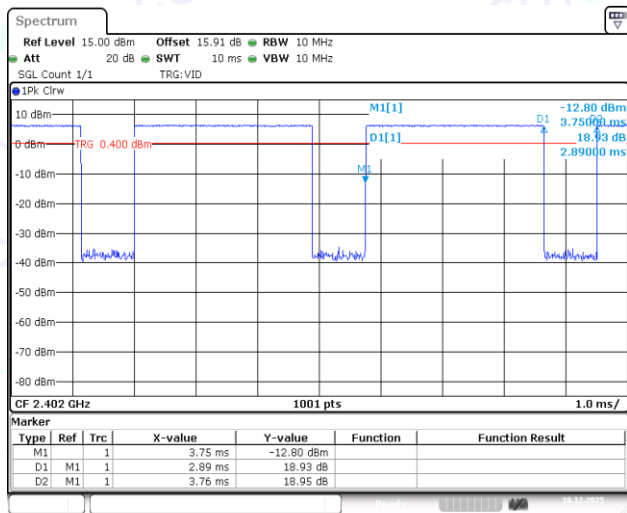
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor	1/T [kHz]
DH5	Ant1	2402	2.89	3.76	76.86	1.14	0.35
DH5	Ant1	2441	2.88	3.75	76.80	1.15	0.35
DH5	Ant1	2480	2.89	3.75	77.07	1.13	0.35
2DH5	Ant1	2402	2.89	3.75	77.07	1.13	0.35
2DH5	Ant1	2441	2.89	3.76	76.86	1.14	0.35
2DH5	Ant1	2480	2.89	3.76	76.86	1.14	0.35
3DH5	Ant1	2402	2.89	3.75	77.07	1.13	0.35
3DH5	Ant1	2441	2.89	3.76	76.86	1.14	0.35
3DH5	Ant1	2480	2.89	3.75	77.07	1.13	0.35

Note: 1, Duty Cycle= Transmission Duration/ Transmission Period

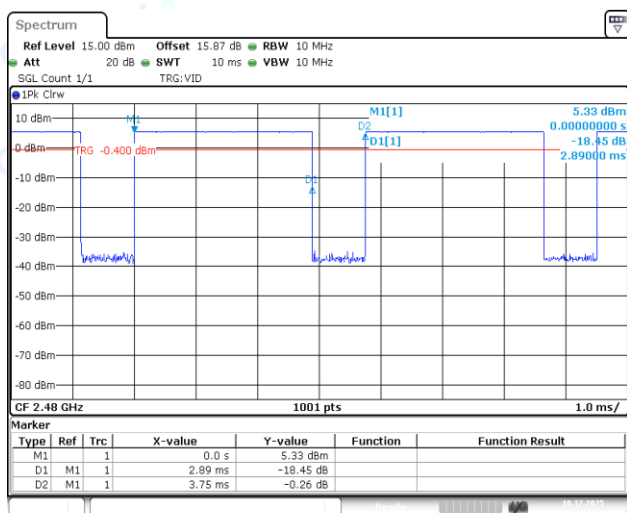
2, DC Factor= $10 \cdot \log_{10}(1/\text{Duty Cycle})$

3, $1/T = 1/\text{Transmission Duration}$

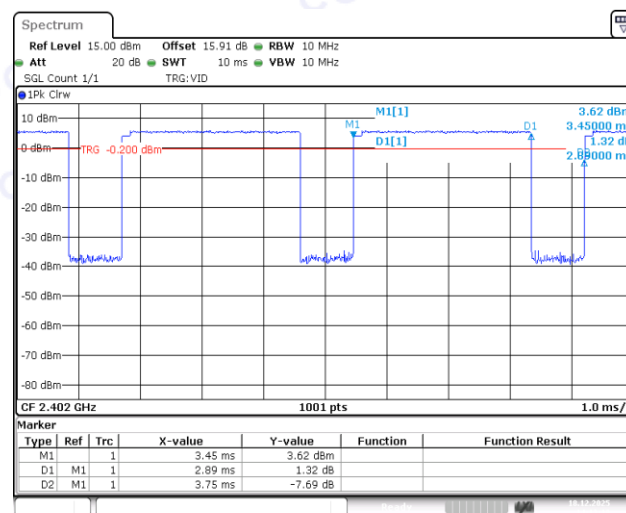
9.2 Test Graphs



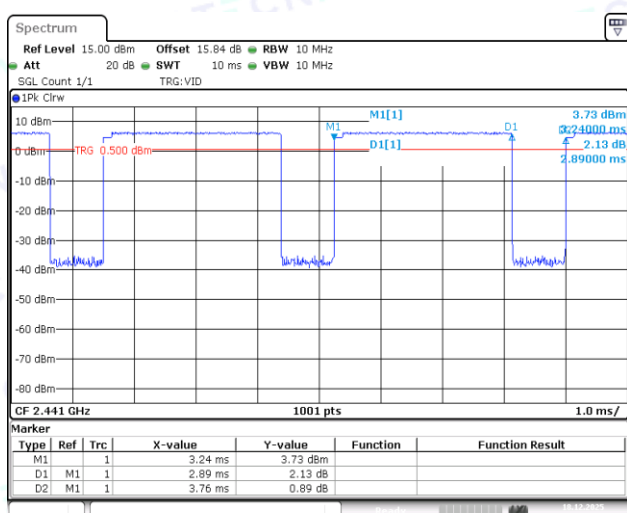
NTNV-DH5-Ant1-2402



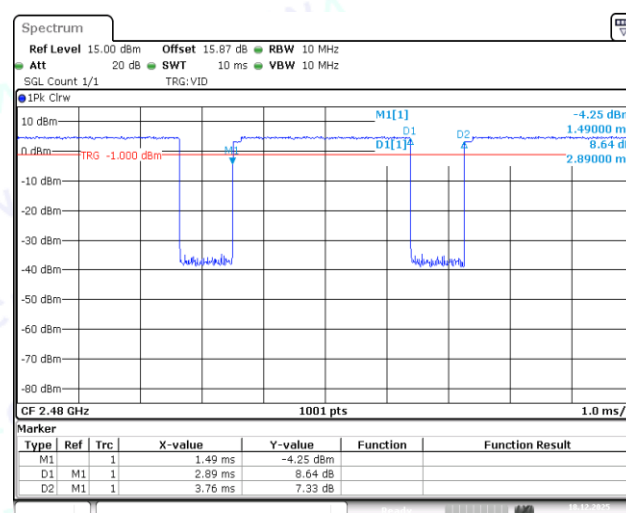
NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

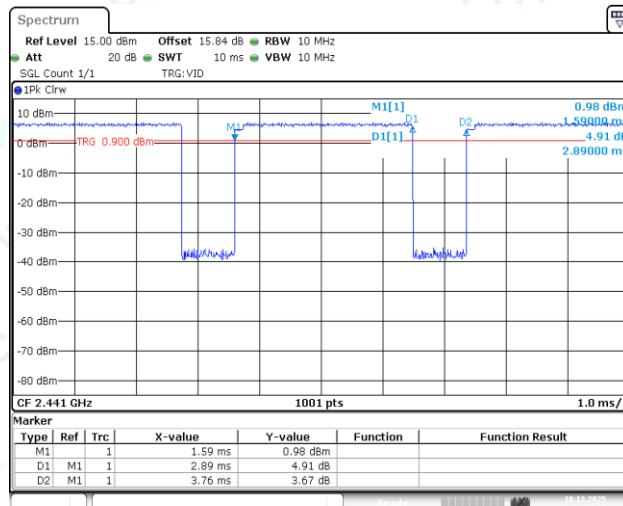
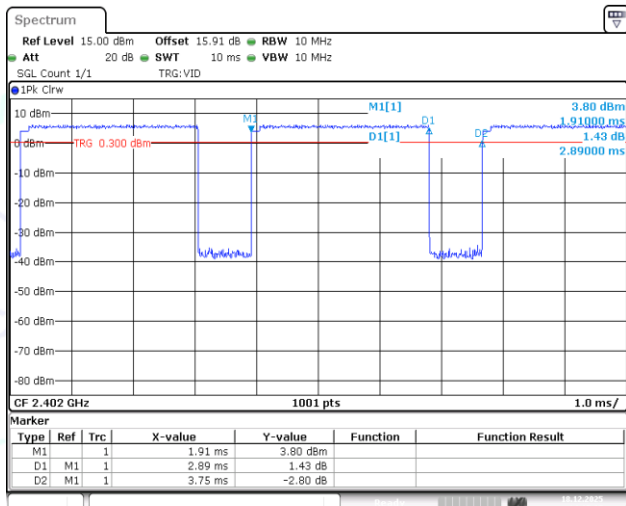


NTNV-2DH5-Ant1-2402

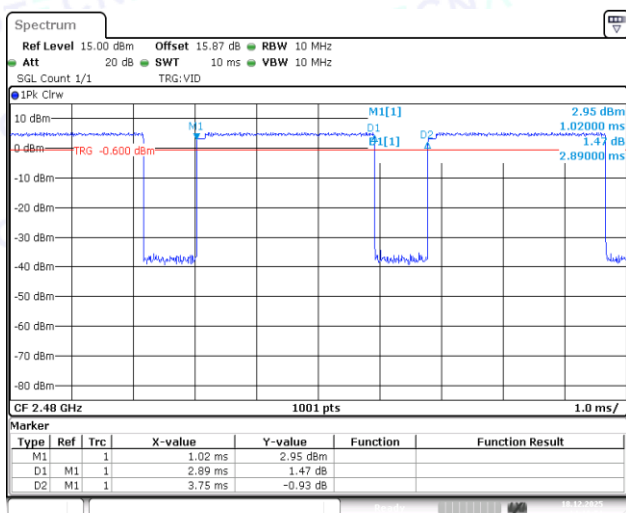


NTNV-2DH5-Ant1-2441

NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441

NTNV-3DH5-Ant1-2480

10: Emissions in Restricted Bands

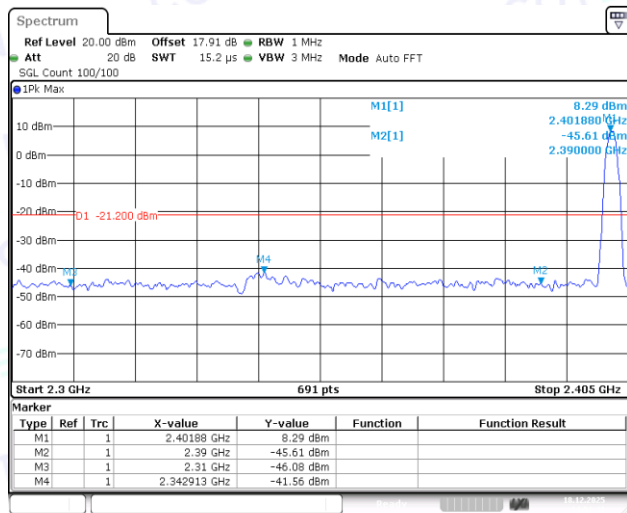
10.1 Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	Peak	2390.000	-45.61	≤-21.20	49.59	≤74	PASS
DH5	Ant1	Low	2402	Peak	2310.000	-46.08	≤-21.20	49.12	≤74	PASS
DH5	Ant1	Low	2402	Peak	2342.913	-41.56	≤-21.20	53.64	≤74	PASS
DH5	Ant1	Low	2402	AV	2390.000	-53.25	≤-41.20	41.95	≤54	PASS
DH5	Ant1	Low	2402	AV	2310.000	-52.89	≤-41.20	42.31	≤54	PASS
DH5	Ant1	Low	2402	AV	2340.478	-49.77	≤-41.20	45.43	≤54	PASS
DH5	Ant1	High	2480	Peak	2483.500	-45.46	≤-21.20	49.74	≤74	PASS
DH5	Ant1	High	2480	Peak	2500.000	-44.97	≤-21.20	50.23	≤74	PASS
DH5	Ant1	High	2480	Peak	2483.913	-42.94	≤-21.20	52.26	≤74	PASS
DH5	Ant1	High	2480	AV	2483.500	-53.26	≤-41.20	41.94	≤54	PASS
DH5	Ant1	High	2480	AV	2500.000	-52.17	≤-41.20	43.03	≤54	PASS
DH5	Ant1	High	2480	AV	2484.841	-51.64	≤-41.20	43.56	≤54	PASS
2DH5	Ant1	Low	2402	Peak	2390.000	-45.24	≤-21.20	49.96	≤74	PASS
2DH5	Ant1	Low	2402	Peak	2310.000	-46.11	≤-21.20	49.09	≤74	PASS
2DH5	Ant1	Low	2402	Peak	2344.283	-42.23	≤-21.20	52.97	≤74	PASS
2DH5	Ant1	Low	2402	AV	2390.000	-53.26	≤-41.20	41.94	≤54	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-52.45	≤-41.20	42.75	≤54	PASS
2DH5	Ant1	Low	2402	AV	2342.761	-50.21	≤-41.20	44.99	≤54	PASS
2DH5	Ant1	High	2480	Peak	2483.500	-46.68	≤-21.20	48.52	≤74	PASS
2DH5	Ant1	High	2480	Peak	2500.000	-45.36	≤-21.20	49.84	≤74	PASS
2DH5	Ant1	High	2480	Peak	2498.174	-43.2	≤-21.20	52.00	≤74	PASS
2DH5	Ant1	High	2480	AV	2483.500	-52.97	≤-41.20	42.23	≤54	PASS
2DH5	Ant1	High	2480	AV	2500.000	-52.48	≤-41.20	42.72	≤54	PASS
2DH5	Ant1	High	2480	AV	2485.652	-51.65	≤-41.20	43.55	≤54	PASS
3DH5	Ant1	Low	2402	Peak	2390.000	-45.06	≤-21.20	50.14	≤74	PASS
3DH5	Ant1	Low	2402	Peak	2310.000	-46.8	≤-21.20	48.40	≤74	PASS
3DH5	Ant1	Low	2402	Peak	2343.522	-42.16	≤-21.20	53.04	≤74	PASS
3DH5	Ant1	Low	2402	AV	2390.000	-53.19	≤-41.20	42.01	≤54	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-53.15	≤-41.20	42.05	≤54	PASS
3DH5	Ant1	Low	2402	AV	2341.391	-49.58	≤-41.20	45.62	≤54	PASS
3DH5	Ant1	High	2480	Peak	2483.500	-46.67	≤-21.20	48.53	≤74	PASS
3DH5	Ant1	High	2480	Peak	2500.000	-44.51	≤-21.20	50.69	≤74	PASS
3DH5	Ant1	High	2480	Peak	2485.884	-43.57	≤-21.20	51.63	≤74	PASS
3DH5	Ant1	High	2480	AV	2483.500	-52.77	≤-41.20	42.43	≤54	PASS
3DH5	Ant1	High	2480	AV	2500.000	-52.61	≤-41.20	42.59	≤54	PASS
3DH5	Ant1	High	2480	AV	2497.362	-51.61	≤-41.20	43.59	≤54	PASS

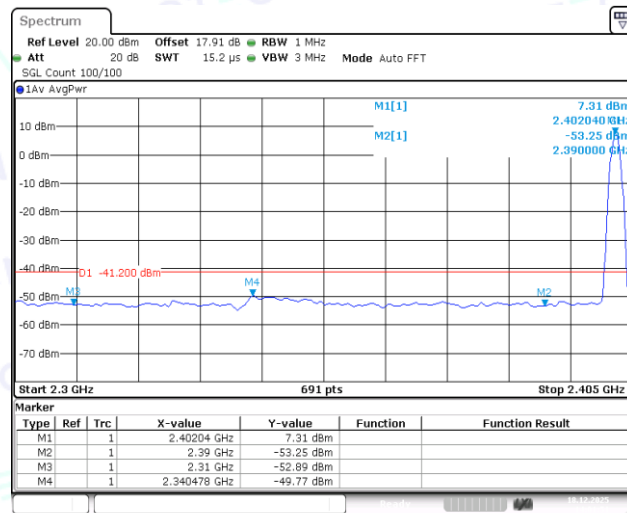
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

10.2 Test Graphs



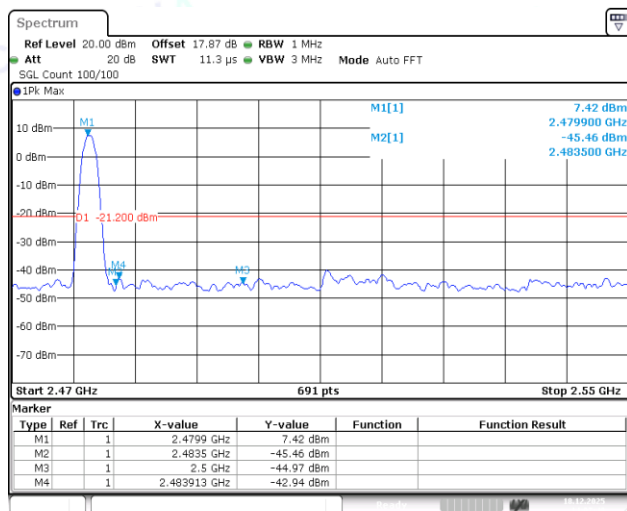
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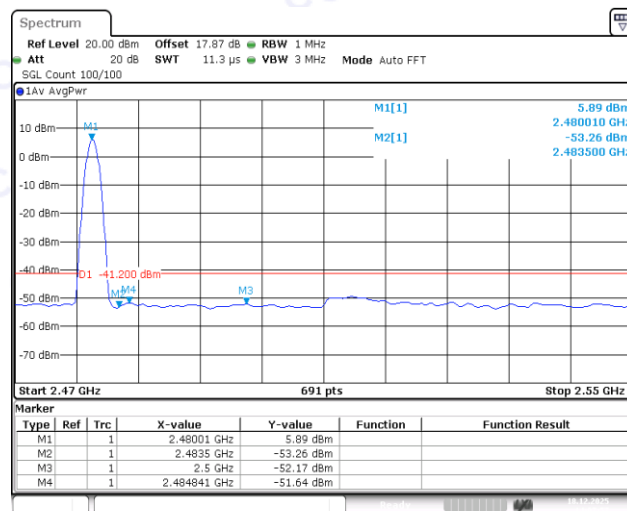
Date: 18.DEC.2025 14:01:51

DH5-Ant1-2402-PASS

DH5-Ant1-2402-PASS



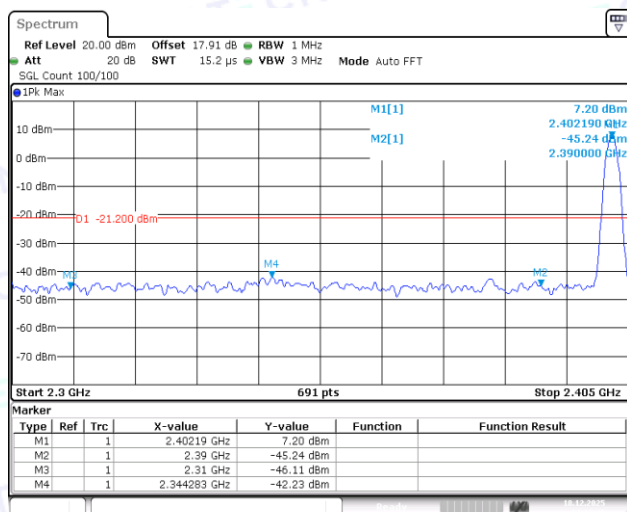
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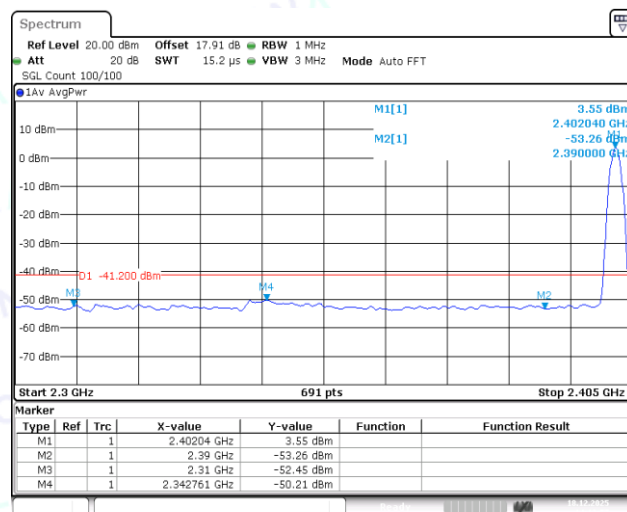
Date: 18.DEC.2025 14:07:57

DH5-Ant1-2480-PASS

DH5-Ant1-2480-PASS



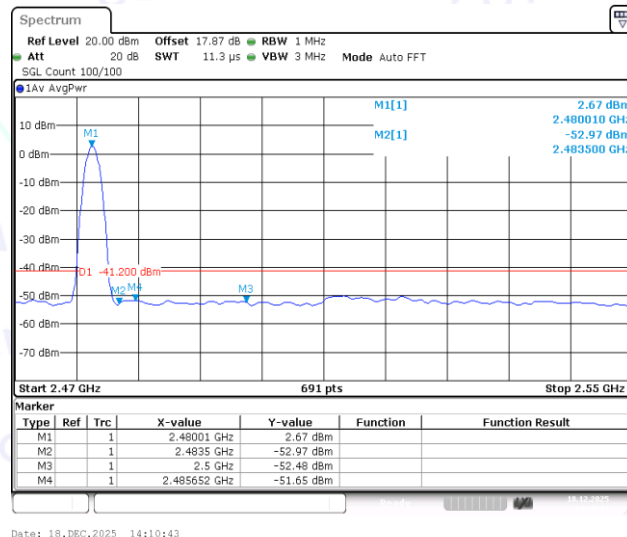
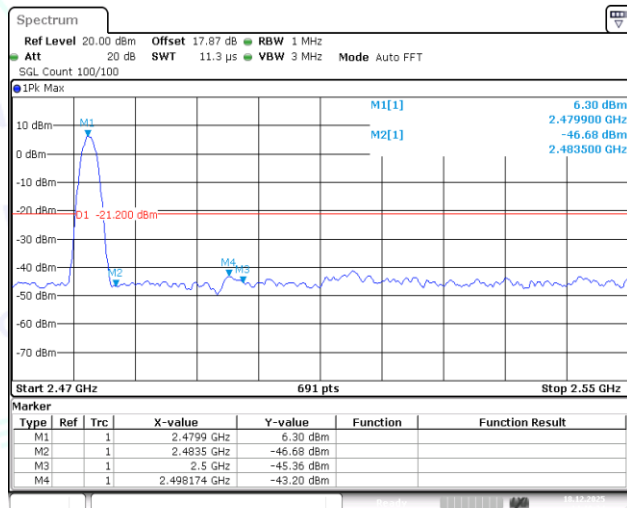
Date: 18.DEC.2025 14:13:46



Date: 18.DEC.2025 14:13:57

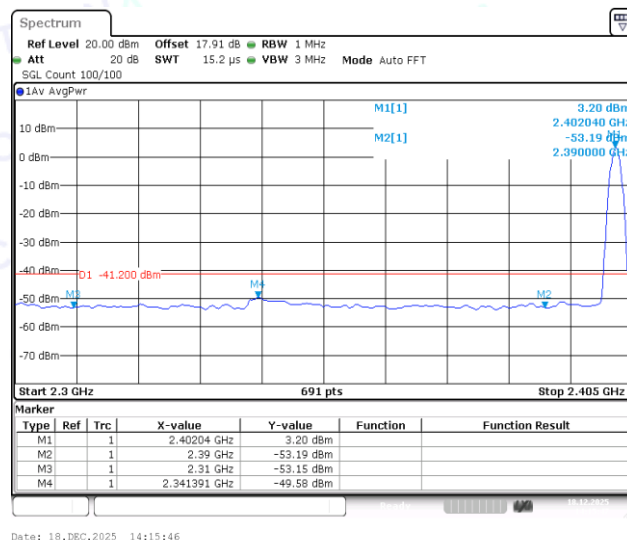
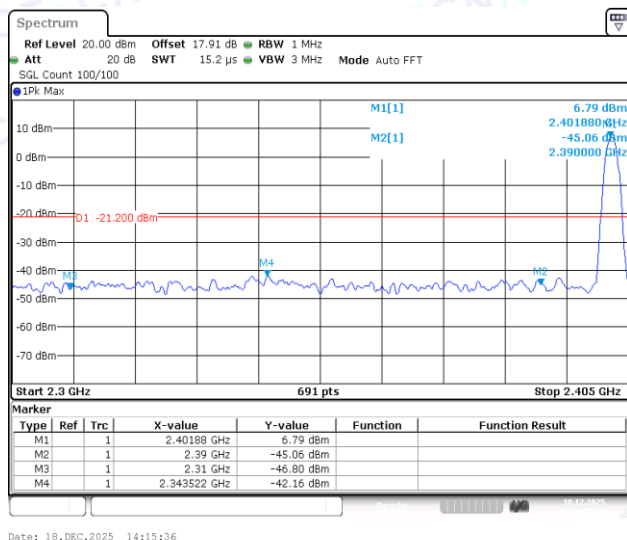
2DH5-Ant1-2402-PASS

2DH5-Ant1-2402-PASS



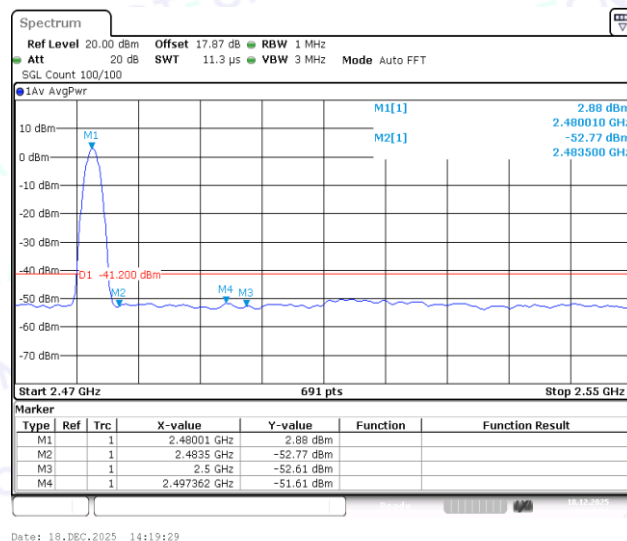
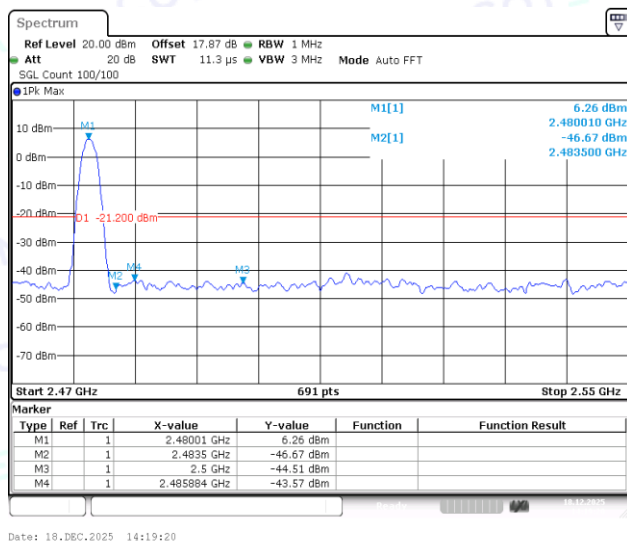
2DH5-Ant1-2480-PASS

2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS

3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS

3DH5-Ant1-2480-PASS

-----END OF THE REPORT-----