

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

General Description of EUT	
EUT Name:	Smartphone
Model:	HiBreak Plus
Sample ID:	HC-C-202512-0174-08-01-2#
Test Standard:	FCC Part 15.247
Environmental Conditions	
Ambient Temperature:	25°C
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-202512-0174-13	

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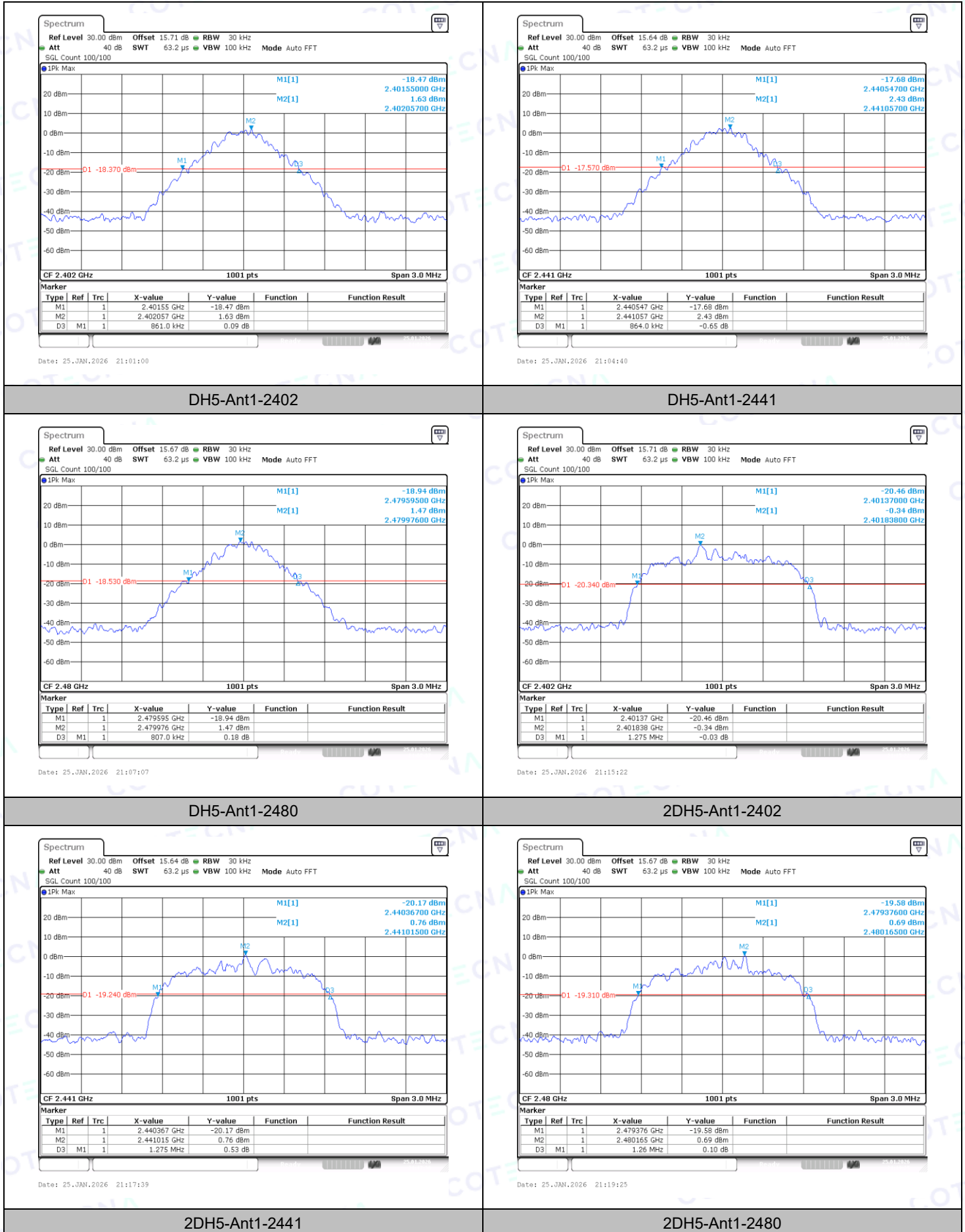
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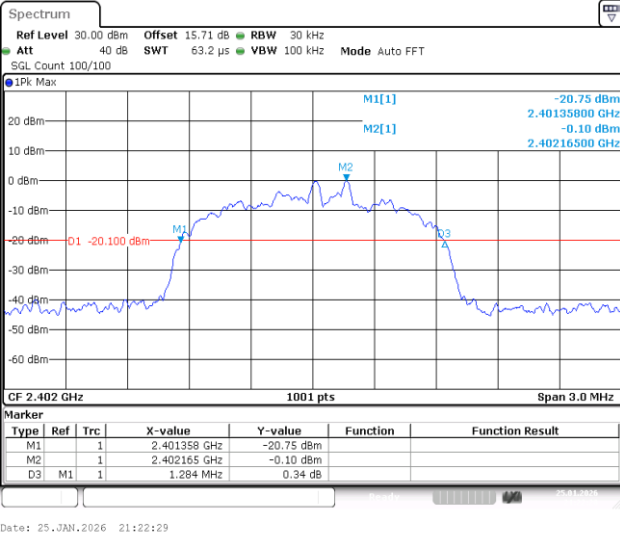
1: 20dB Emission Bandwidth

1.1 Test Result

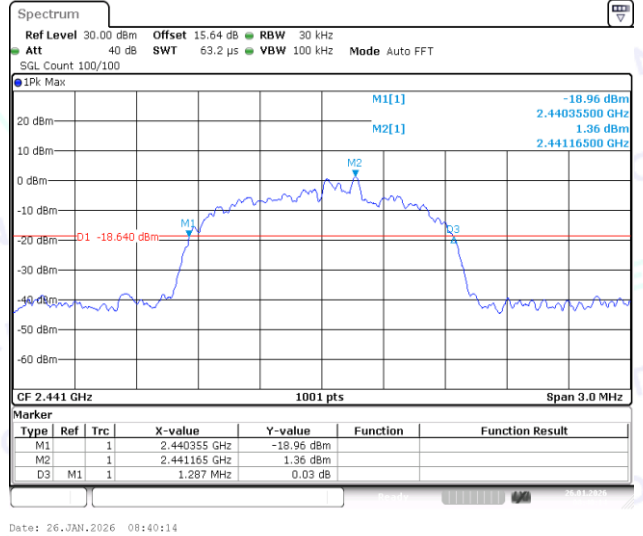
Test Mode	Antenna	Frequency[MHz]	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86	2401.55	2402.41	---	---
DH5	Ant1	2441	0.86	2440.55	2441.41	---	---
DH5	Ant1	2480	0.81	2479.59	2480.40	---	---
2DH5	Ant1	2402	1.27	2401.37	2402.65	---	---
2DH5	Ant1	2441	1.27	2440.37	2441.64	---	---
2DH5	Ant1	2480	1.26	2479.38	2480.64	---	---
3DH5	Ant1	2402	1.28	2401.36	2402.64	---	---
3DH5	Ant1	2441	1.29	2440.36	2441.64	---	---
3DH5	Ant1	2480	1.30	2479.35	2480.65	---	---

1.2 Test Graphs

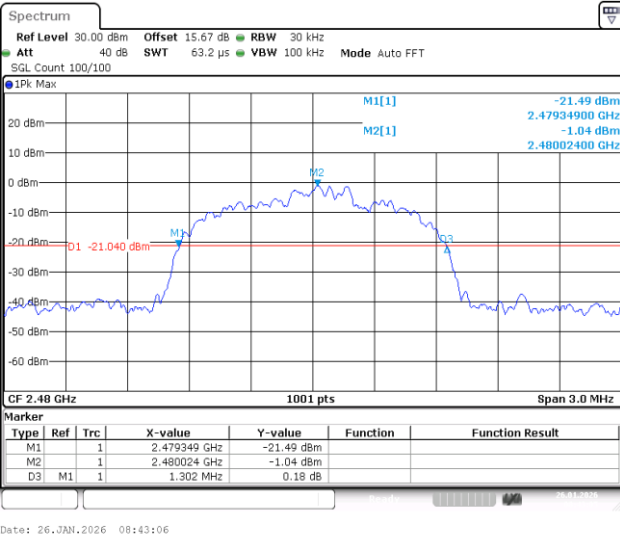




3DH5-Ant1-2402



3DH5-Ant1-2441



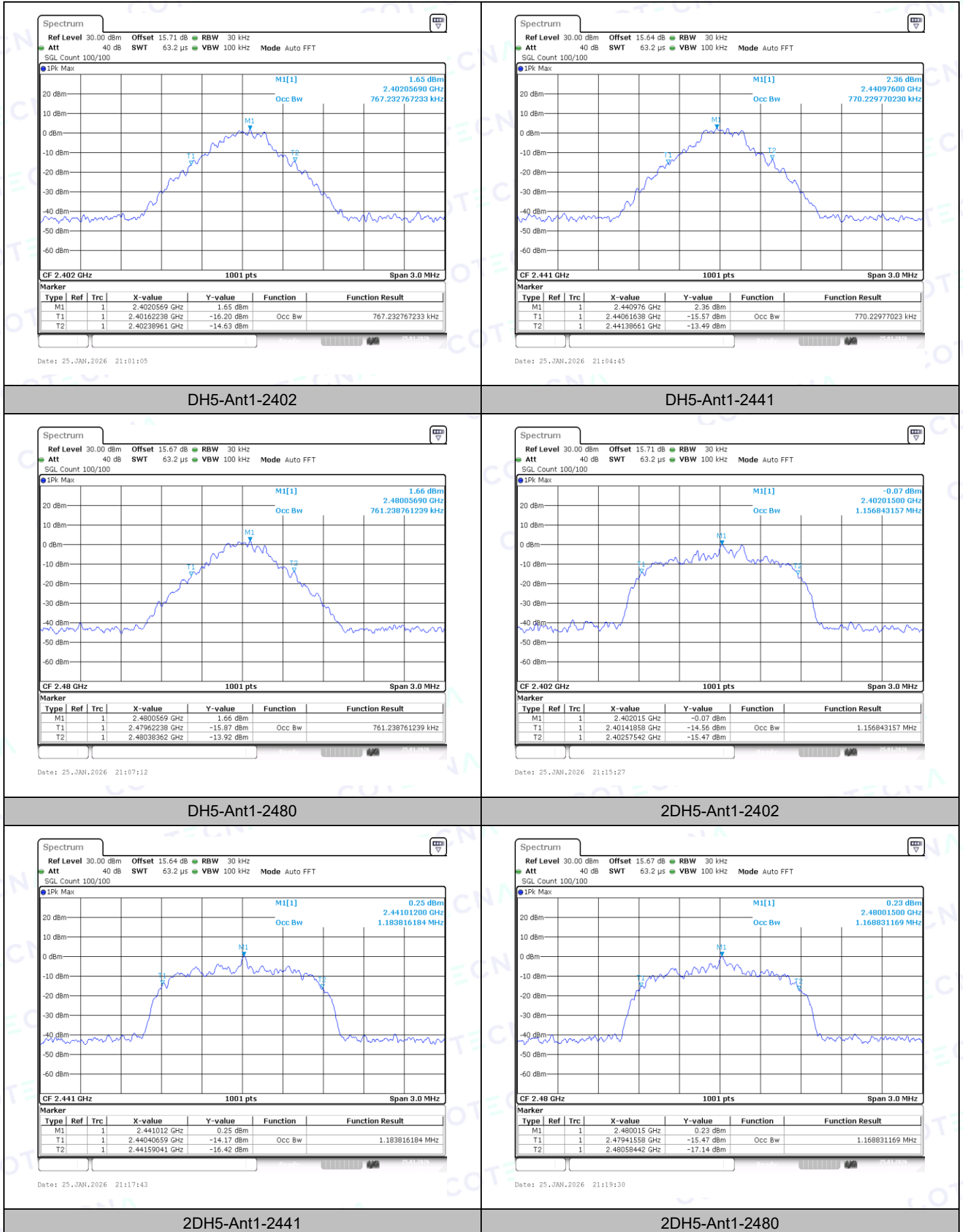
3DH5-Ant1-2480

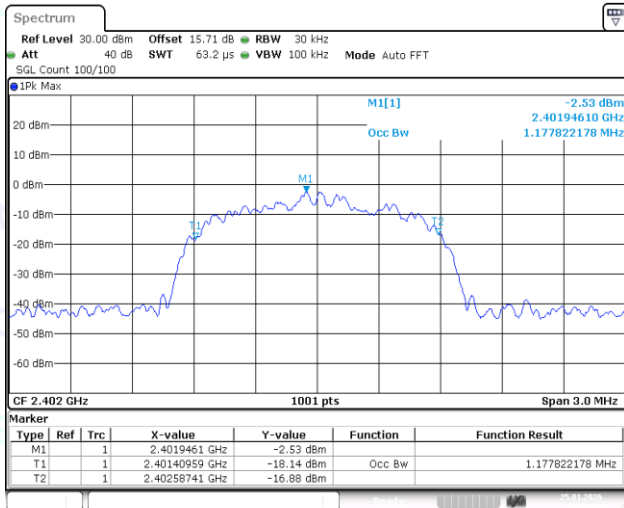
2: Occupied Channel Bandwidth

2.1 Test Result

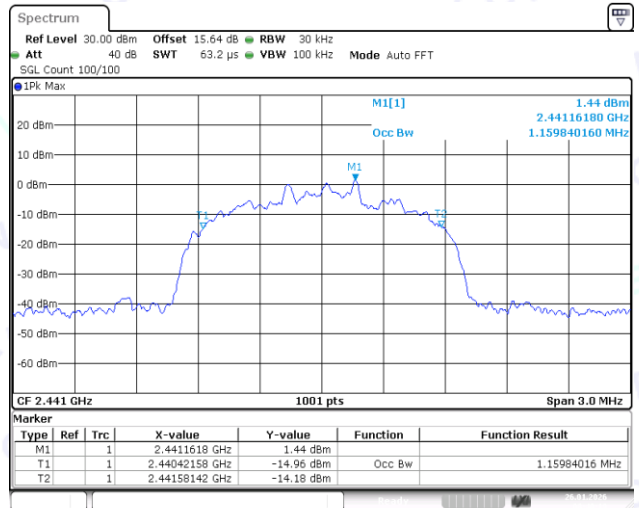
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.76723	2401.6224	2402.3896	---	---
DH5	Ant1	2441	0.77023	2440.6164	2441.3866	---	---
DH5	Ant1	2480	0.76124	2479.6224	2480.3836	---	---
2DH5	Ant1	2402	1.1568	2401.4186	2402.5754	---	---
2DH5	Ant1	2441	1.1838	2440.4066	2441.5904	---	---
2DH5	Ant1	2480	1.1688	2479.4156	2480.5844	---	---
3DH5	Ant1	2402	1.1778	2401.4096	2402.5874	---	---
3DH5	Ant1	2441	1.1598	2440.4216	2441.5814	---	---
3DH5	Ant1	2480	1.1778	2479.4096	2480.5874	---	---

2.2 Test Graphs

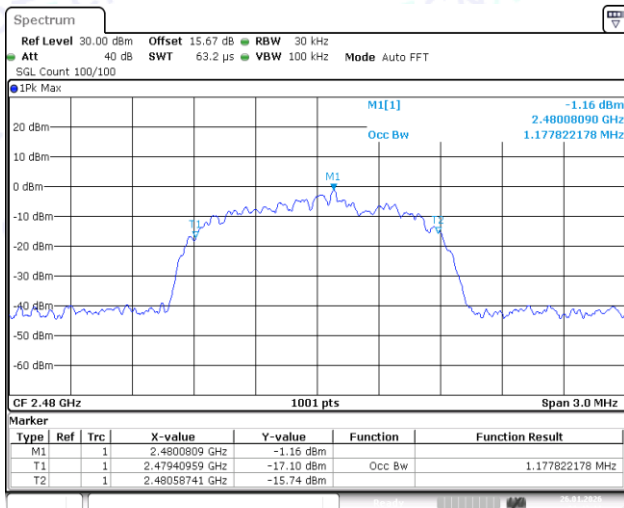




3DH5-Ant1-2402



3DH5-Ant1-2441



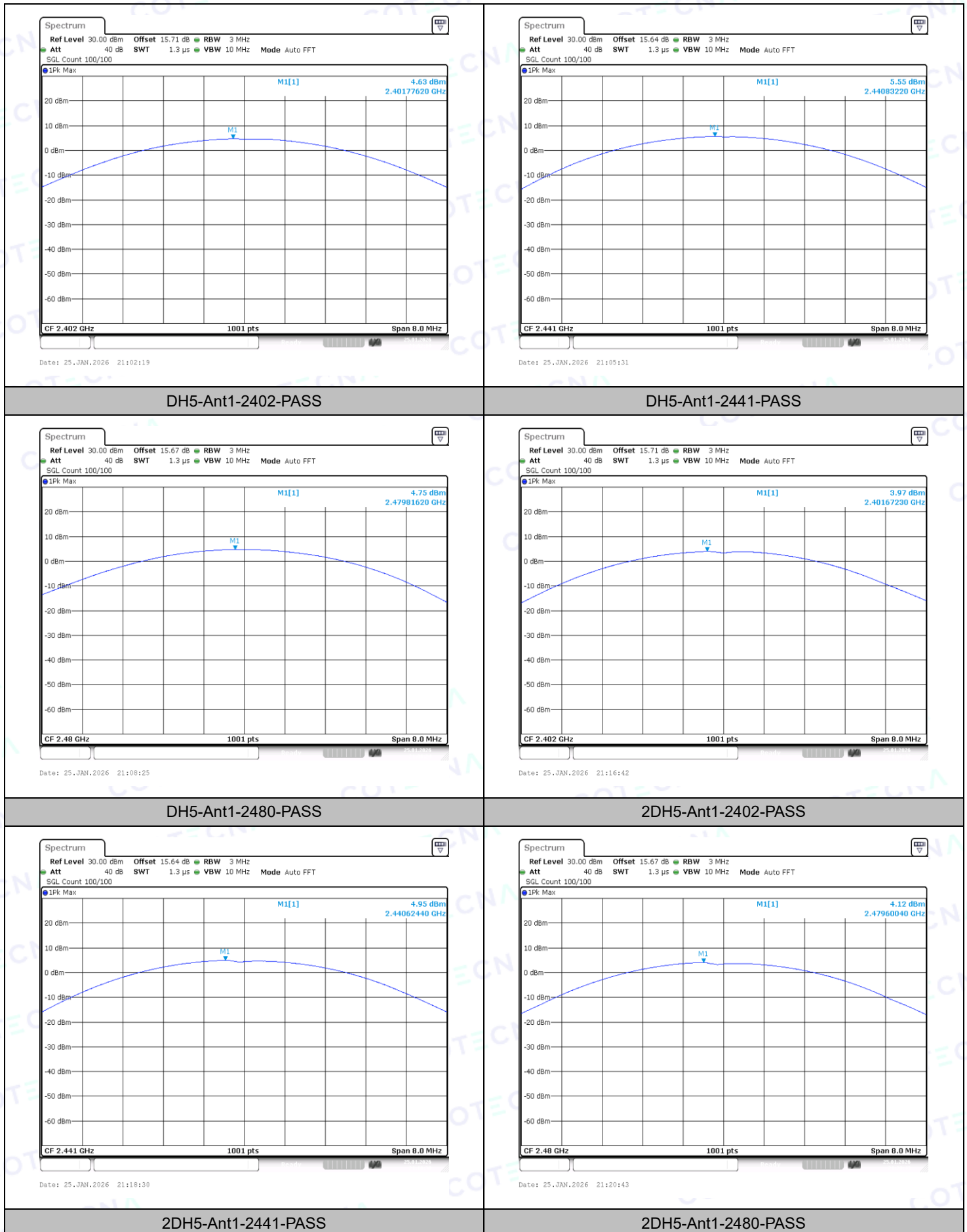
3DH5-Ant1-2480

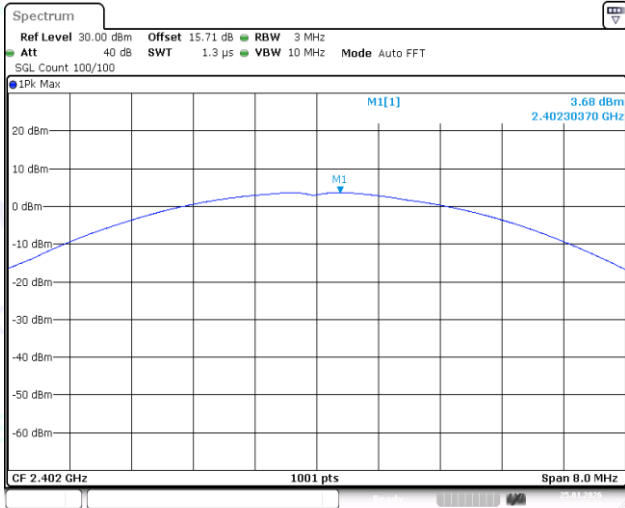
3: Maximum conducted output power

3.1 Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.63	≤21	PASS
DH5	Ant1	2441	5.55	≤21	PASS
DH5	Ant1	2480	4.75	≤21	PASS
2DH5	Ant1	2402	3.97	≤21	PASS
2DH5	Ant1	2441	4.95	≤21	PASS
2DH5	Ant1	2480	4.12	≤21	PASS
3DH5	Ant1	2402	3.68	≤21	PASS
3DH5	Ant1	2441	5.42	≤21	PASS
3DH5	Ant1	2480	4.55	≤21	PASS

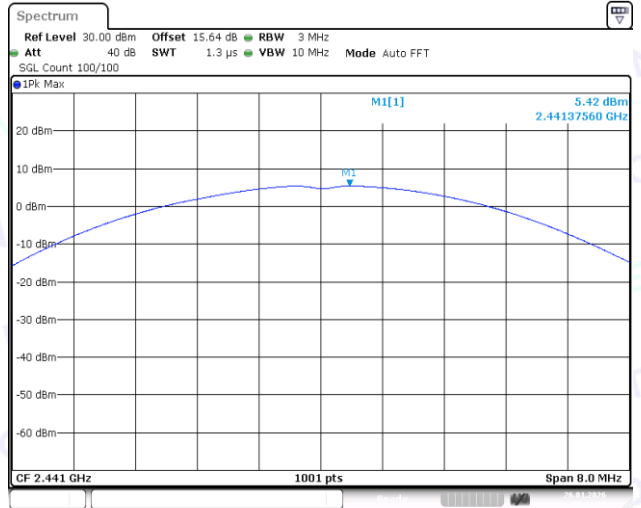
3.2 Test Graphs





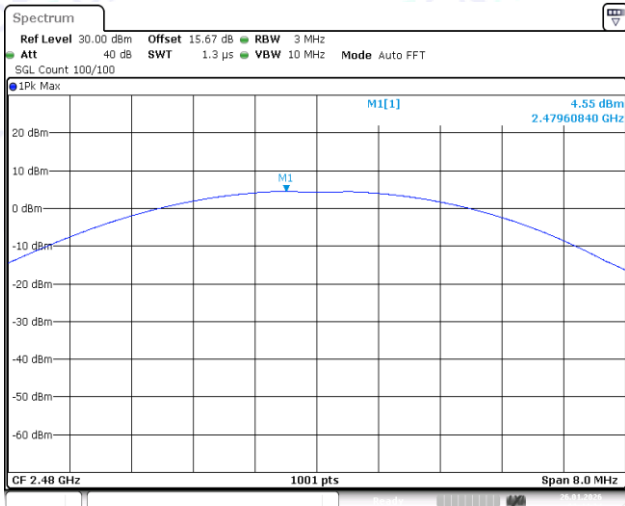
Date: 25.JAN.2026 21:24:20

3DH5-Ant1-2402-PASS



Date: 26.JAN.2026 08:41:07

3DH5-Ant1-2441-PASS



Date: 26.JAN.2026 08:44:24

3DH5-Ant1-2480-PASS

4: Carrier frequency separation

4.1 Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.003	≥ 0.573	PASS
2DH5	Ant1	Hop	1.006	≥ 0.847	PASS
3DH5	Ant1	Hop	1	≥ 0.867	PASS

4.2 Test Graphs

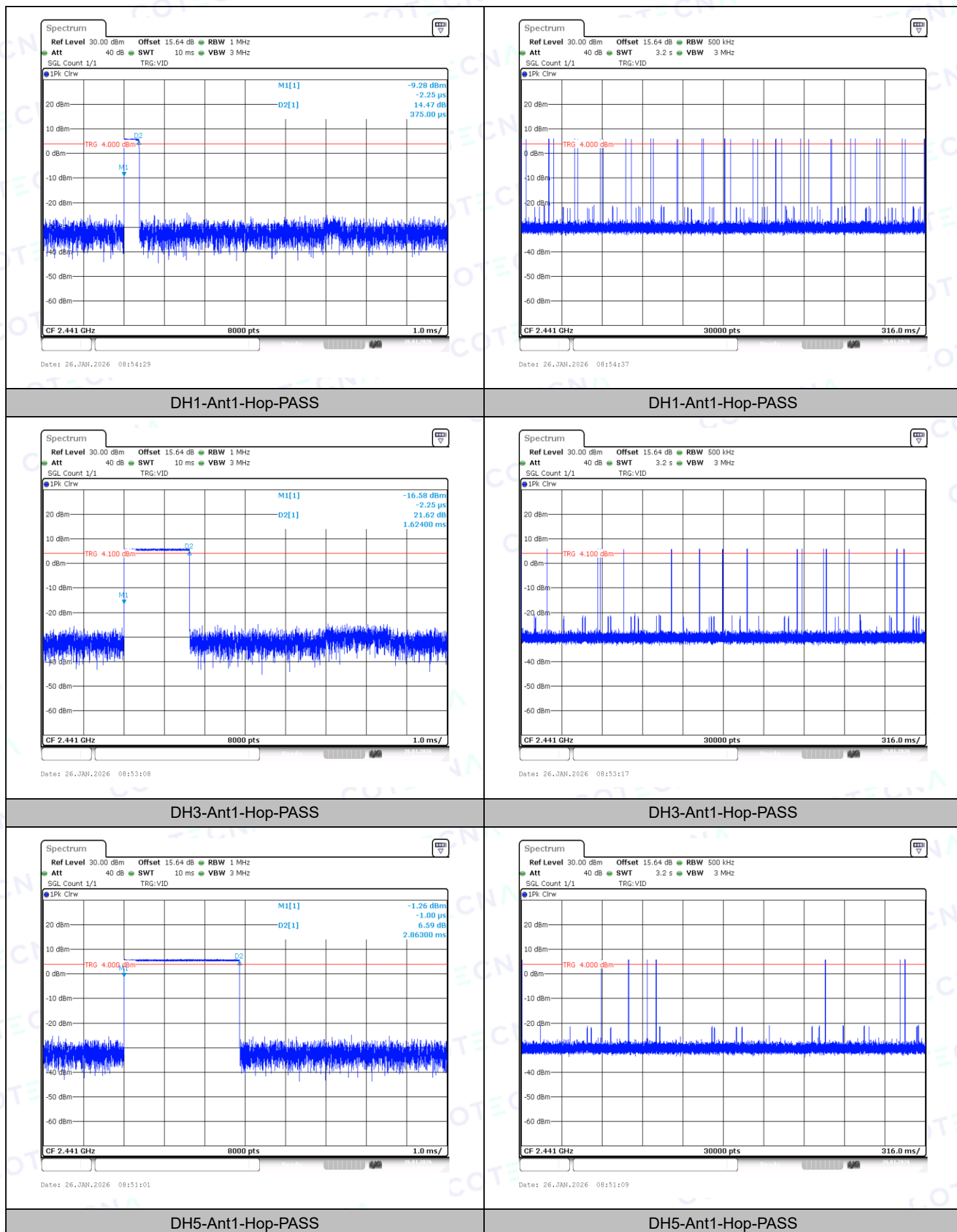


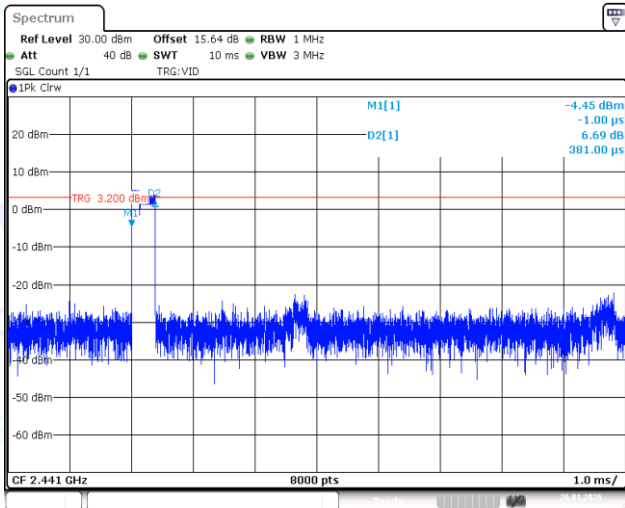
5: Time of occupancy

5.1 Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.624	160	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.863	80	0.229	≤0.4	PASS
2DH1	Ant1	Hop	0.381	330	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.626	160	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.867	130	0.373	≤0.4	PASS
3DH1	Ant1	Hop	0.383	330	0.126	≤0.4	PASS
3DH3	Ant1	Hop	1.625	160	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.868	50	0.143	≤0.4	PASS

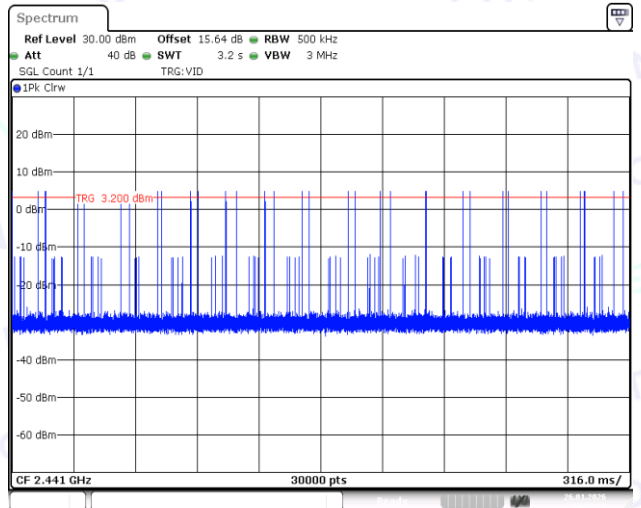
5.2 Test Graphs





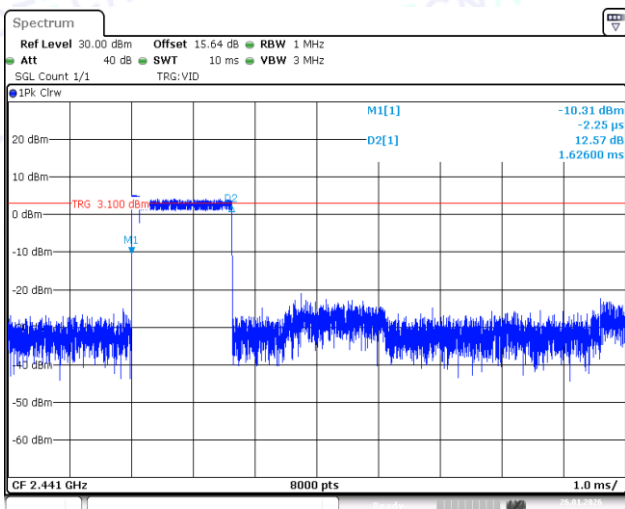
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2DH1-Ant1-Hop-PASS



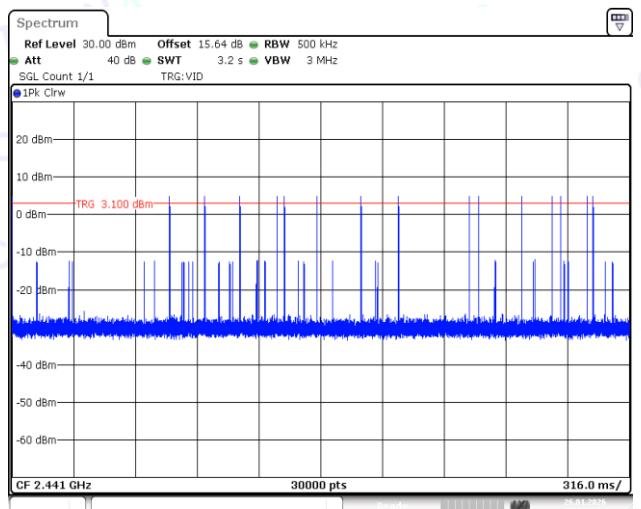
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2DH1-Ant1-Hop-PASS



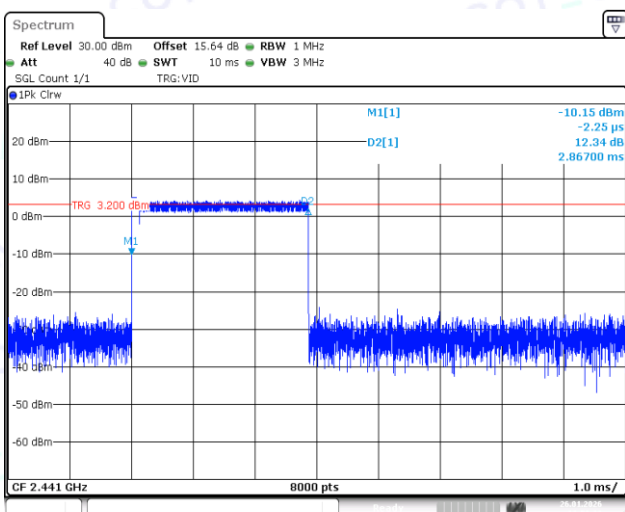
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2DH1-Ant1-Hop-PASS



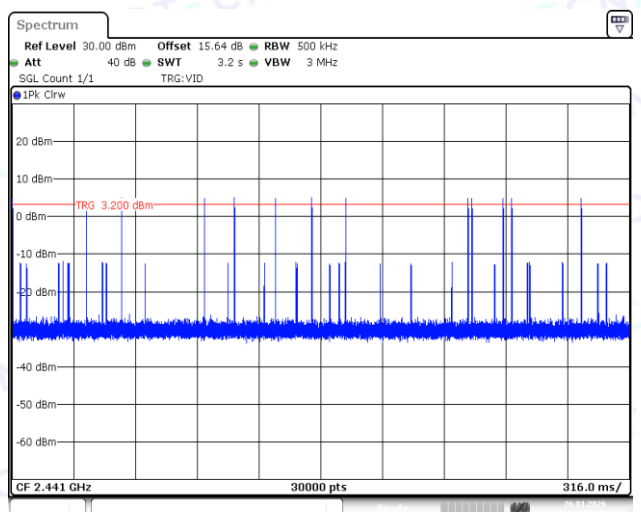
Date: 26.JAN.2026 09:03:25

2DH1-Ant1-Hop-PASS



Date: 26.JAN.2026 08:58:38

2DH3-Ant1-Hop-PASS

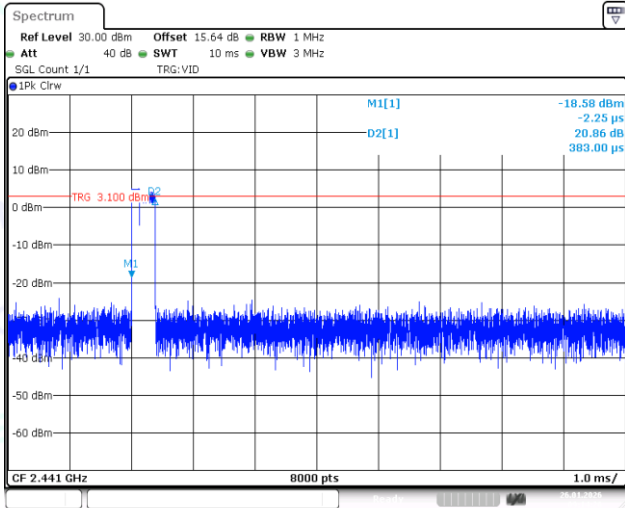


Date: 26.JAN.2026 08:58:46

2DH3-Ant1-Hop-PASS

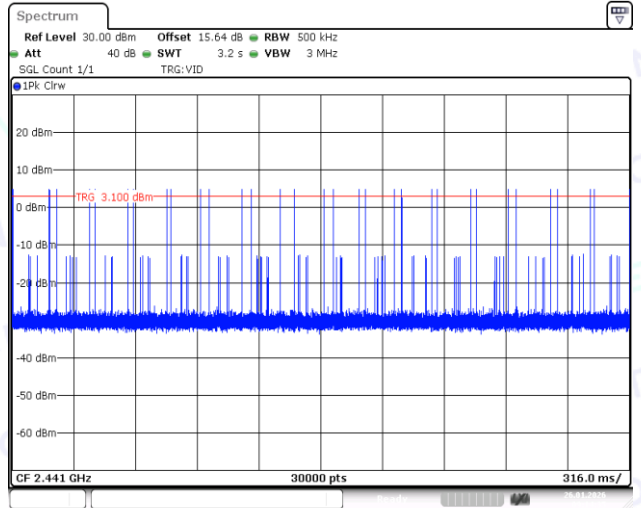
2DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



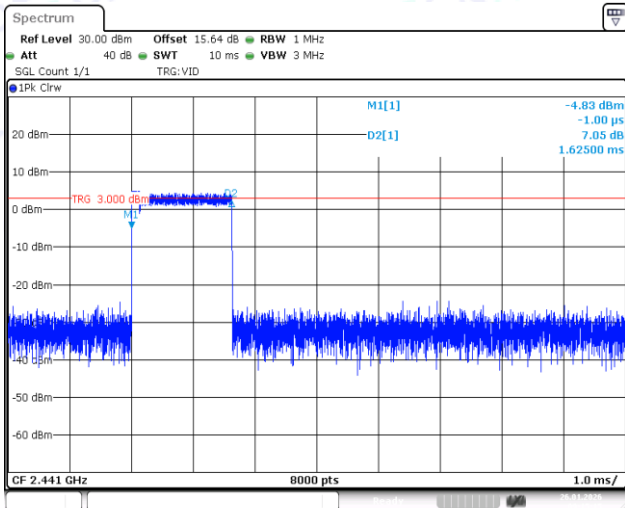
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3DH1-Ant1-Hop-PASS



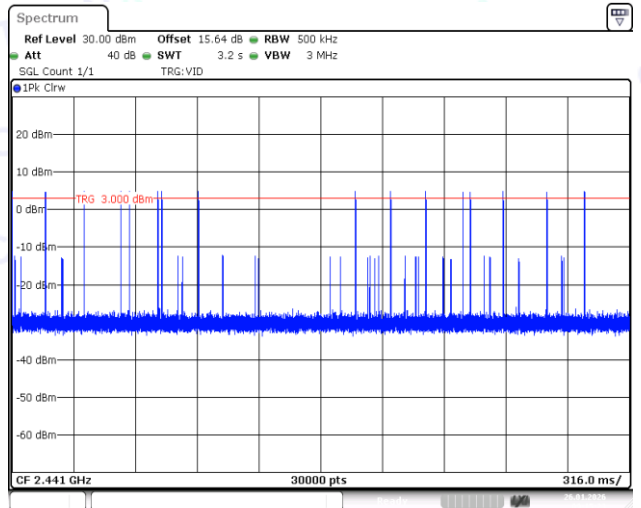
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3DH1-Ant1-Hop-PASS



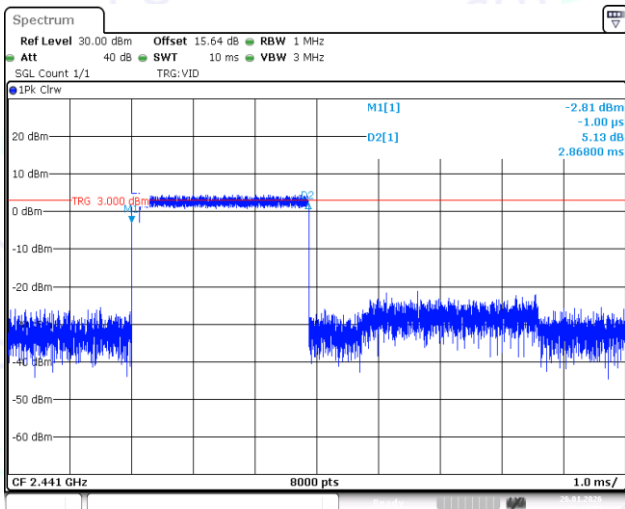
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3DH1-Ant1-Hop-PASS



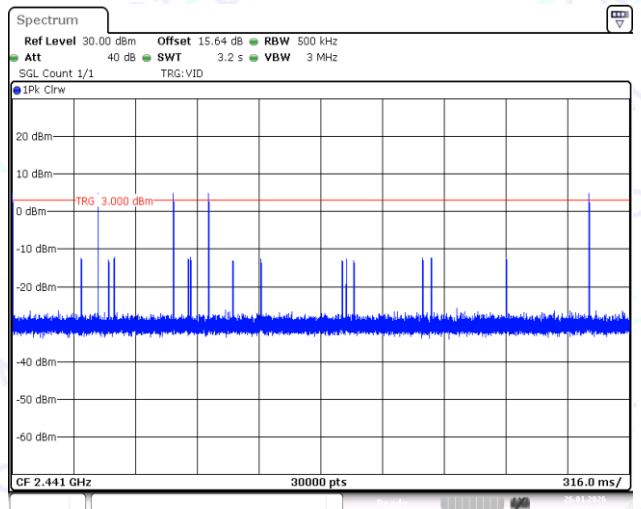
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3DH1-Ant1-Hop-PASS



Date: 26.JAN.2026 09:10:54

3DH3-Ant1-Hop-PASS



Date: 26.JAN.2026 09:11:02

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

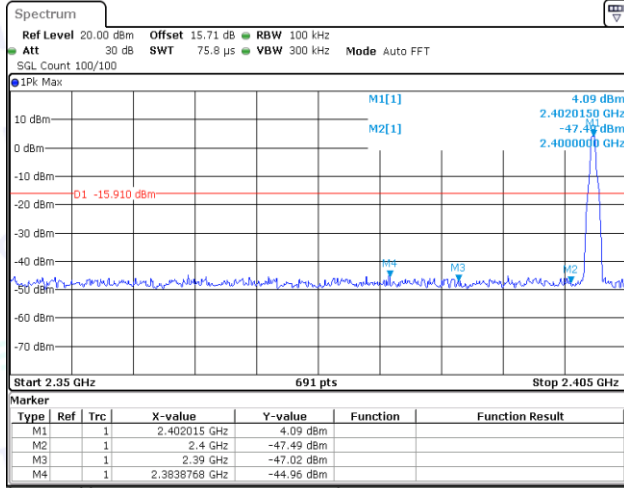


7: Band edge measurements

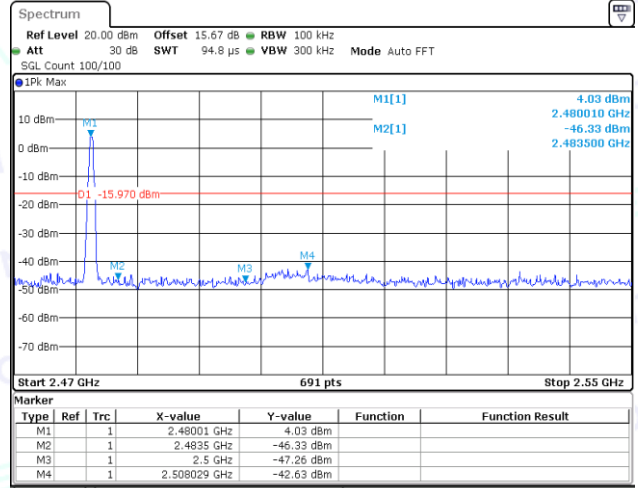
7.1 Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.09	-44.96	≤ -15.91	PASS
DH5	Ant1	High	2480	4.03	-42.63	≤ -15.97	PASS
DH5	Ant1	Low	Hop_2402	4.39	-43.64	≤ -15.61	PASS
DH5	Ant1	High	Hop_2480	4.77	-42.14	≤ -15.23	PASS
2DH5	Ant1	Low	2402	0.70	-44.6	≤ -19.3	PASS
2DH5	Ant1	High	2480	3.39	-43.03	≤ -16.61	PASS
2DH5	Ant1	Low	Hop_2402	-2.12	-44.03	≤ -22.12	PASS
2DH5	Ant1	High	Hop_2480	3.77	-42.43	≤ -16.23	PASS
3DH5	Ant1	Low	2402	3.41	-44.87	≤ -16.59	PASS
3DH5	Ant1	High	2480	3.74	-43.33	≤ -16.26	PASS
3DH5	Ant1	Low	Hop_2402	0.57	-43.72	≤ -19.43	PASS
3DH5	Ant1	High	Hop_2480	3.29	-42.34	≤ -16.71	PASS

7.2 Test Graphs



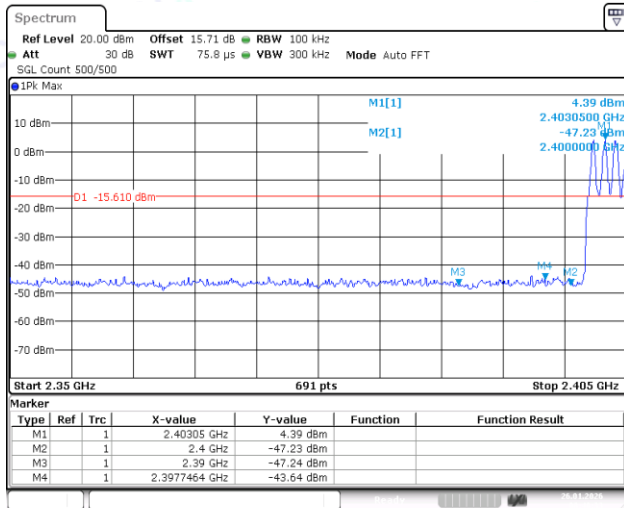
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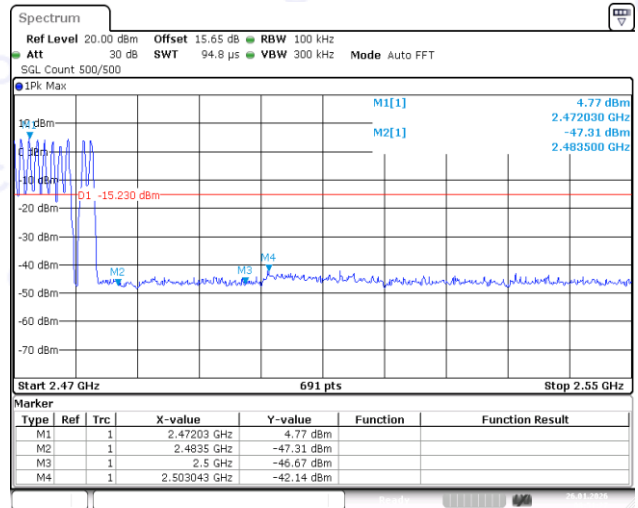
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DH5-Ant1-2402-PASS

DH5-Ant1-2480-PASS



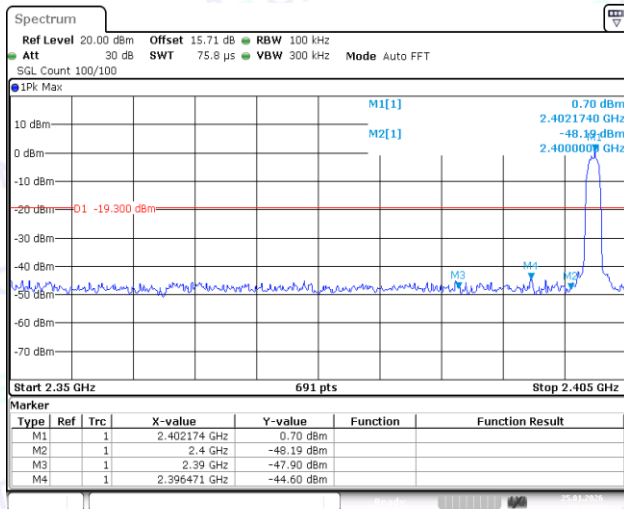
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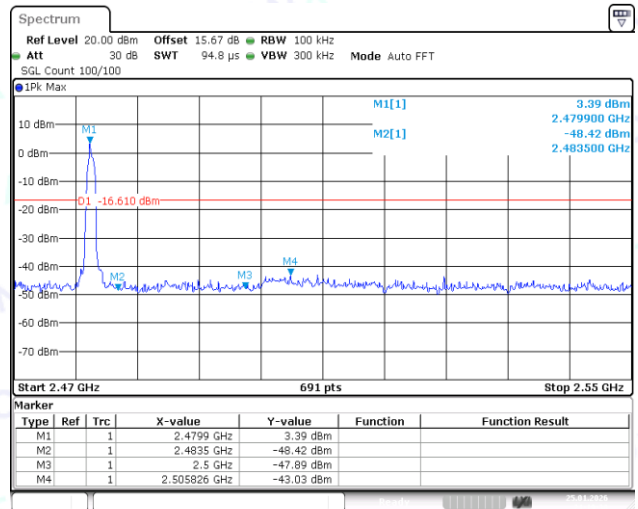
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DH5-Ant1-Hop_2402-PASS

DH5-Ant1-Hop_2480-PASS



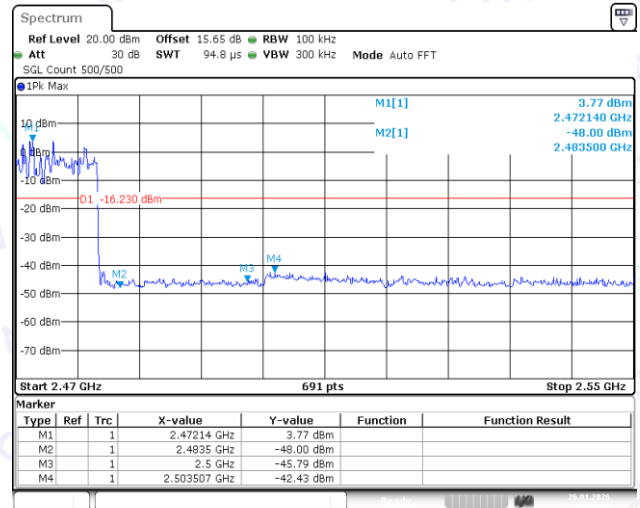
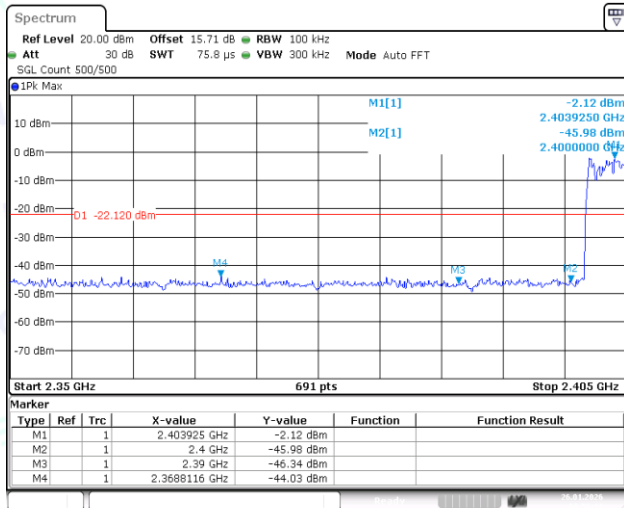
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Date: 25.JAN.2026 21:19:38

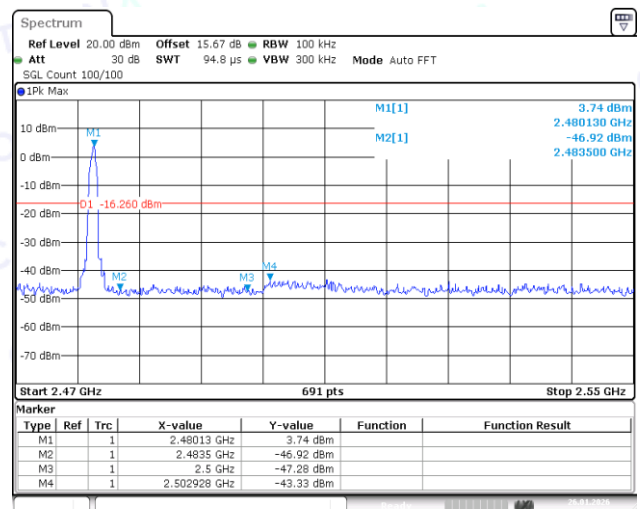
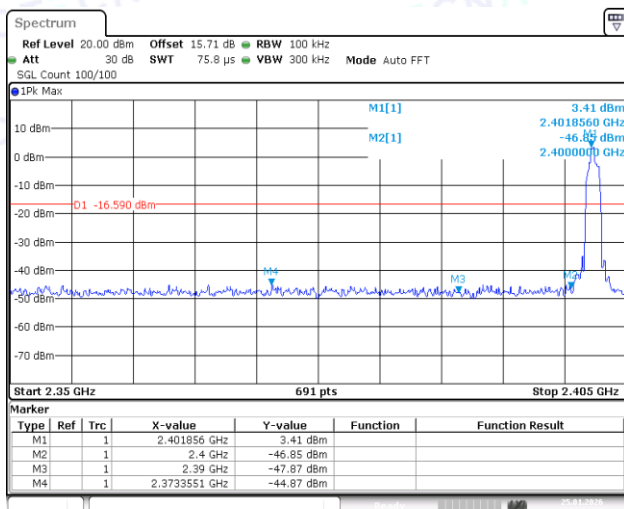
2DH5-Ant1-2402-PASS

2DH5-Ant1-2480-PASS



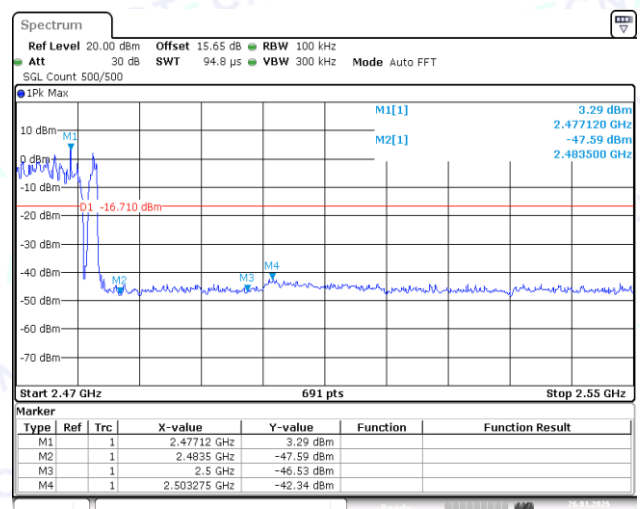
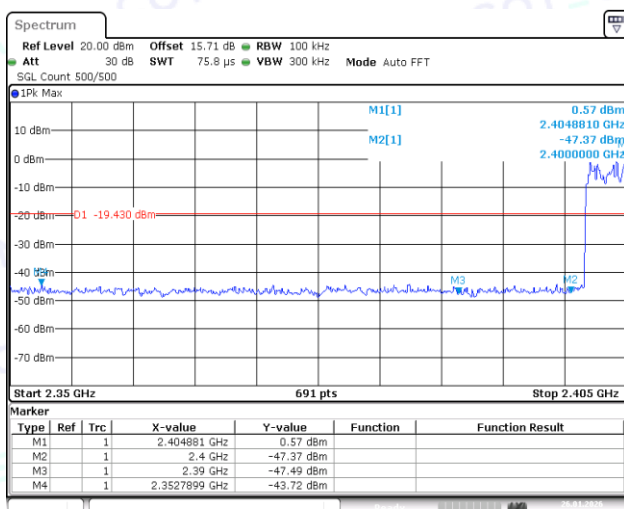
2DH5-Ant1-Hop_2402-PASS

2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS

3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

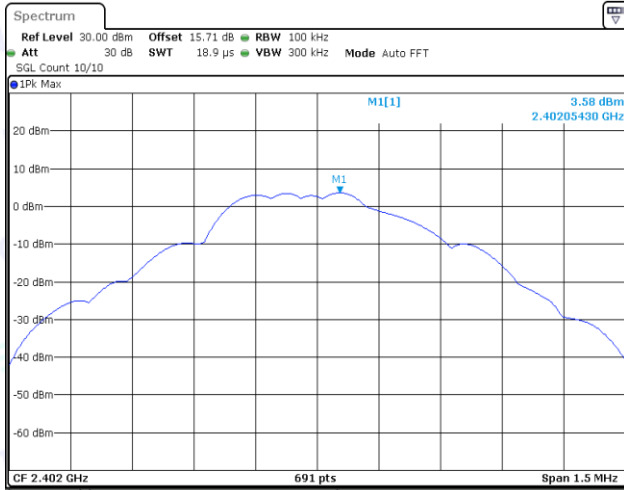
3DH5-Ant1-Hop_2480-PASS

8: Conducted Spurious Emission

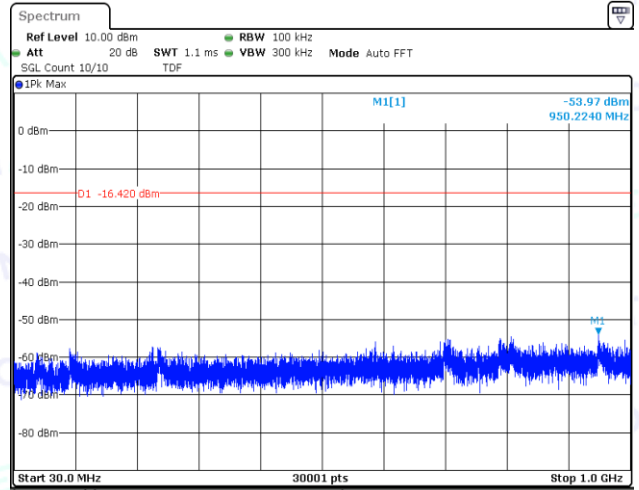
8.1 Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	3.58	3.58	---	PASS
DH5	Ant1	2402	30~1000	3.58	-53.97	≤-16.42	PASS
DH5	Ant1	2402	1000~26500	3.58	-45.6	≤-16.42	PASS
DH5	Ant1	2441	0~Reference	4.84	4.84	---	PASS
DH5	Ant1	2441	30~1000	4.84	-53.49	≤-15.16	PASS
DH5	Ant1	2441	1000~26500	4.84	-45.59	≤-15.16	PASS
DH5	Ant1	2480	0~Reference	4.00	4.00	---	PASS
DH5	Ant1	2480	30~1000	4.00	-54.67	≤-16	PASS
DH5	Ant1	2480	1000~26500	4.00	-45.41	≤-16	PASS
2DH5	Ant1	2402	0~Reference	-2.66	-2.66	---	PASS
2DH5	Ant1	2402	30~1000	-2.66	-53.39	≤-22.66	PASS
2DH5	Ant1	2402	1000~26500	-2.66	-44.07	≤-22.66	PASS
2DH5	Ant1	2441	0~Reference	3.75	3.75	---	PASS
2DH5	Ant1	2441	30~1000	3.75	-54.01	≤-16.25	PASS
2DH5	Ant1	2441	1000~26500	3.75	-44.94	≤-16.25	PASS
2DH5	Ant1	2480	0~Reference	1.82	1.82	---	PASS
2DH5	Ant1	2480	30~1000	1.82	-52.89	≤-18.18	PASS
2DH5	Ant1	2480	1000~26500	1.82	-44.14	≤-18.18	PASS
3DH5	Ant1	2402	0~Reference	-1.65	-1.65	---	PASS
3DH5	Ant1	2402	30~1000	-1.65	-54.82	≤-21.65	PASS
3DH5	Ant1	2402	1000~26500	-1.65	-45.28	≤-21.65	PASS
3DH5	Ant1	2441	0~Reference	4.78	4.78	---	PASS
3DH5	Ant1	2441	30~1000	4.78	-53.05	≤-15.22	PASS
3DH5	Ant1	2441	1000~26500	4.78	-45.5	≤-15.22	PASS
3DH5	Ant1	2480	0~Reference	-1.32	-1.32	---	PASS
3DH5	Ant1	2480	30~1000	-1.32	-54.35	≤-21.32	PASS
3DH5	Ant1	2480	1000~26500	-1.32	-44.86	≤-21.32	PASS

8.2 Test Graphs



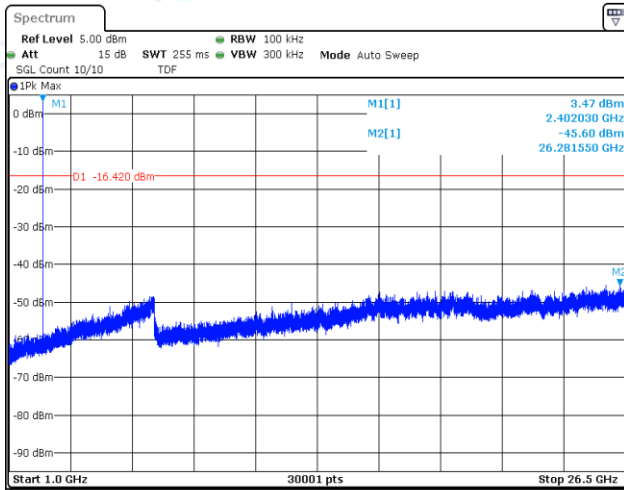
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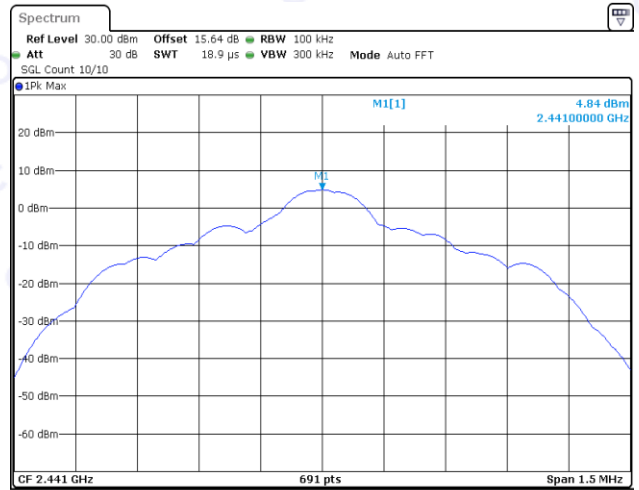
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DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS



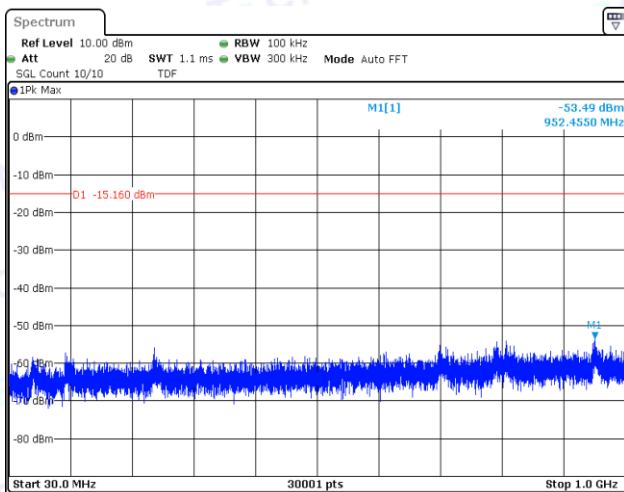
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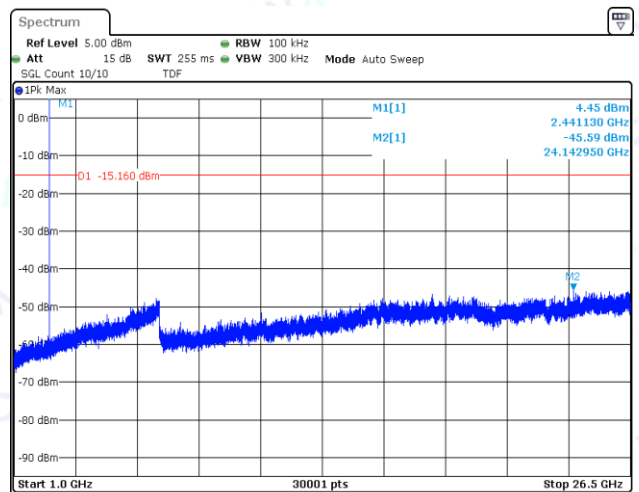
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DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS



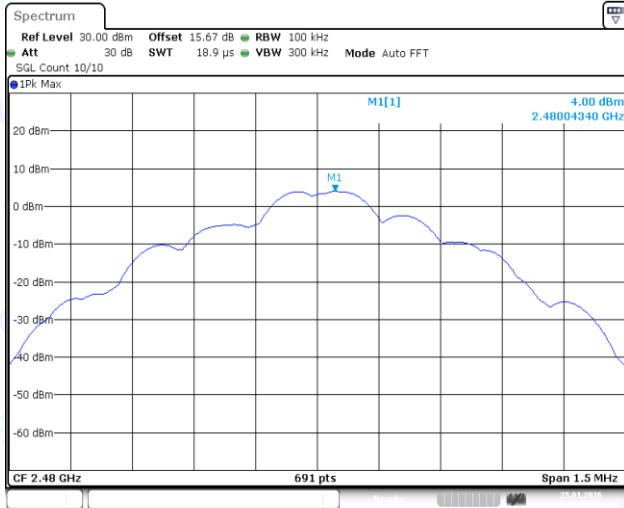
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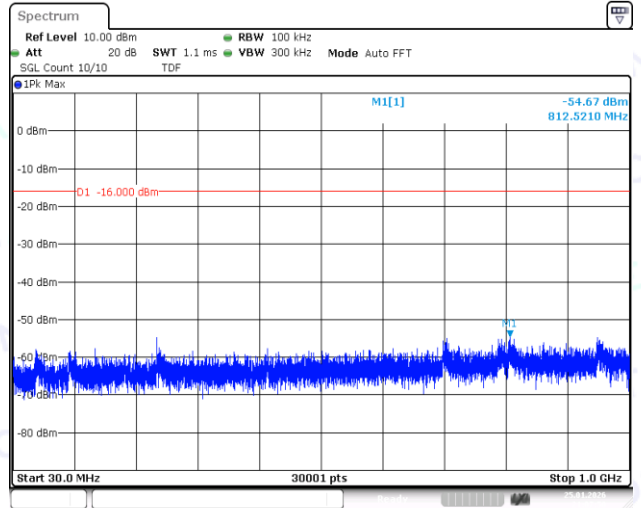
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DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



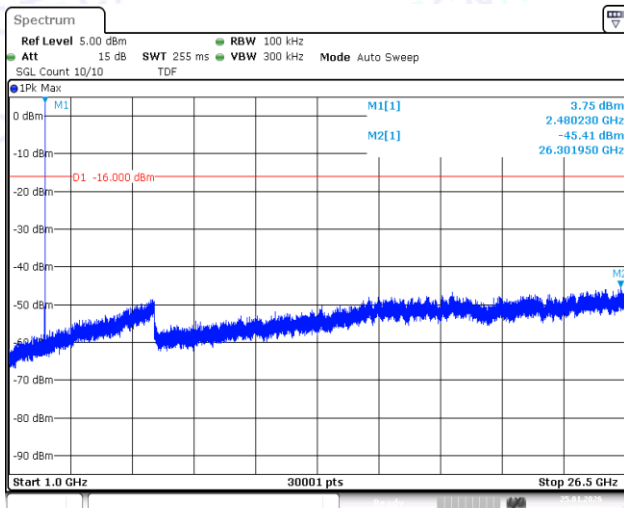
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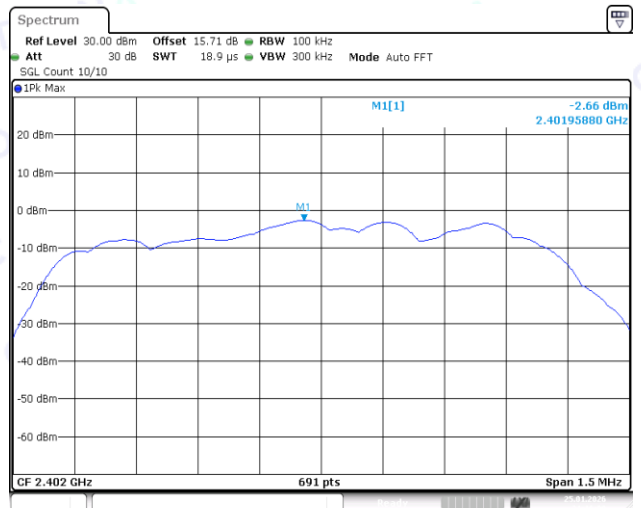
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DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



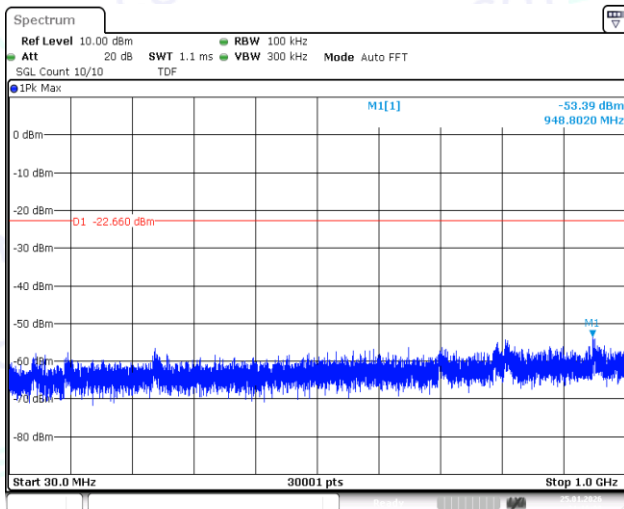
Date: 25.JAN.2026 21:08:08



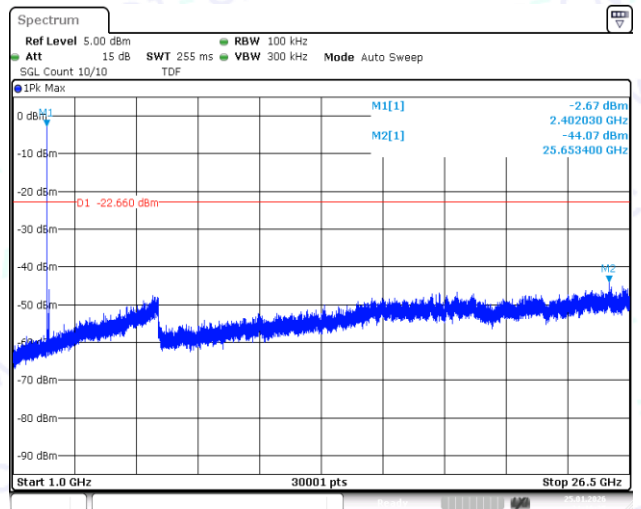
Date: 25.JAN.2026 21:16:00

DH5-Ant1-2480-1000~26500-PASS

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



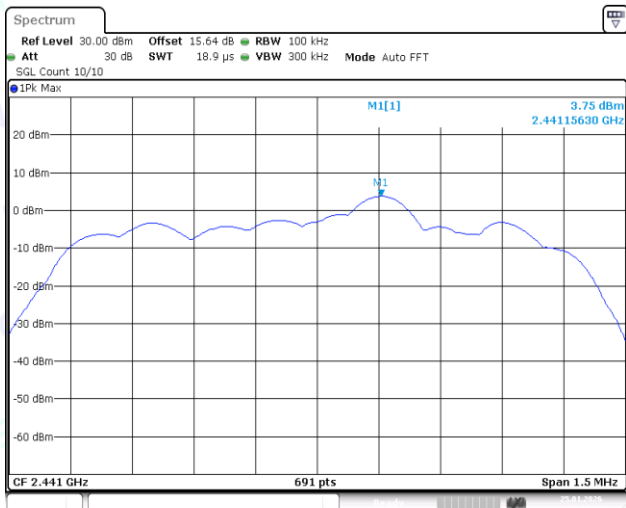
Date: 25.JAN.2026 21:16:08



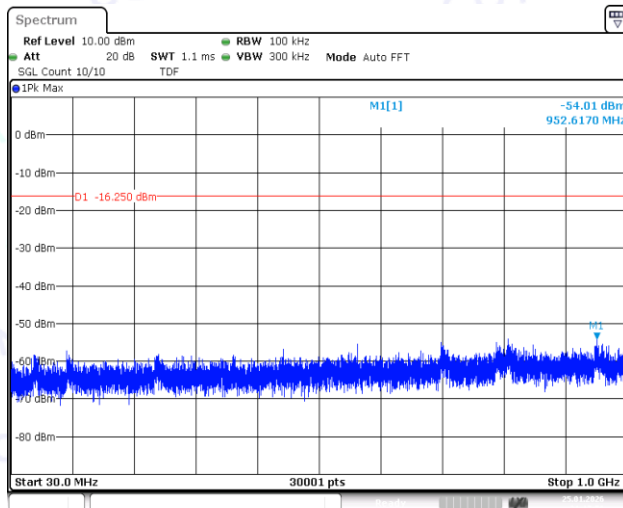
Date: 25.JAN.2026 21:16:25

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

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



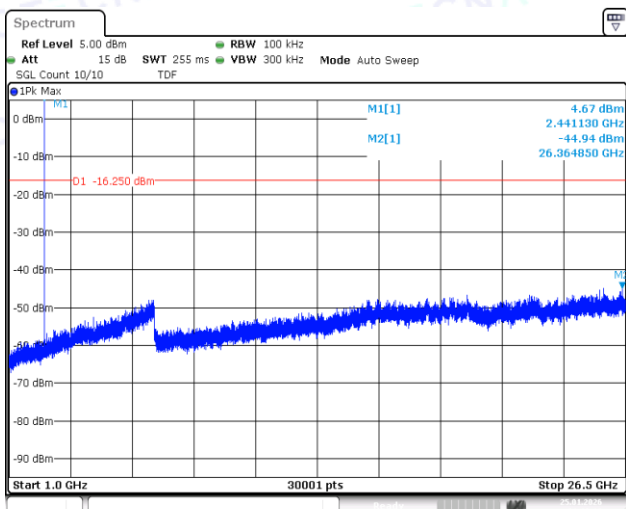
Date: 25.JAN.2026 21:17:48



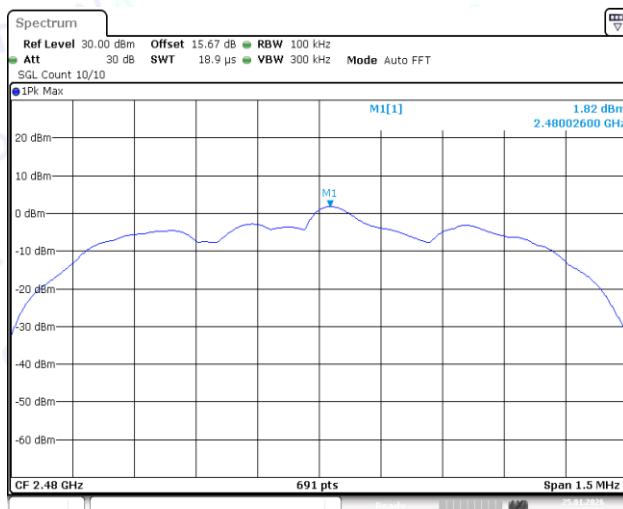
Date: 25.JAN.2026 21:17:56

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

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



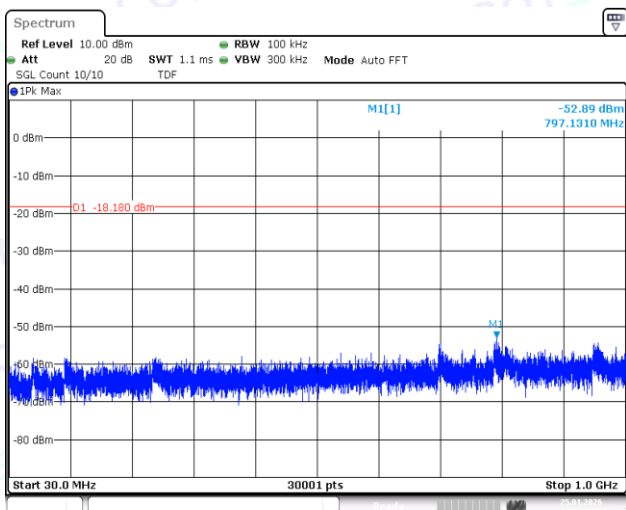
Date: 25.JAN.2026 21:18:13



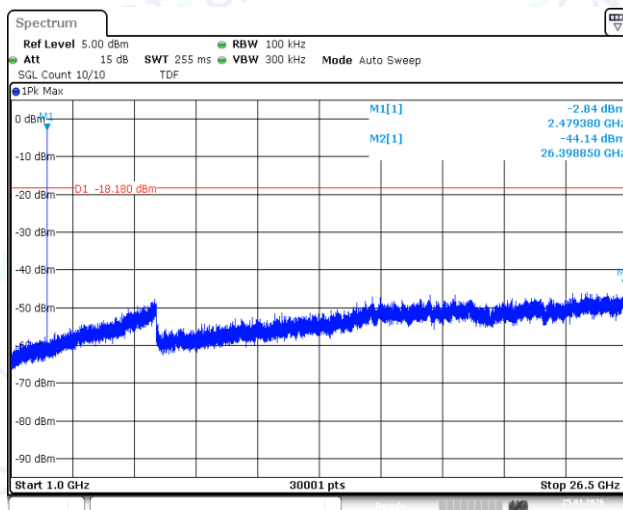
Date: 25.JAN.2026 21:20:01

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

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



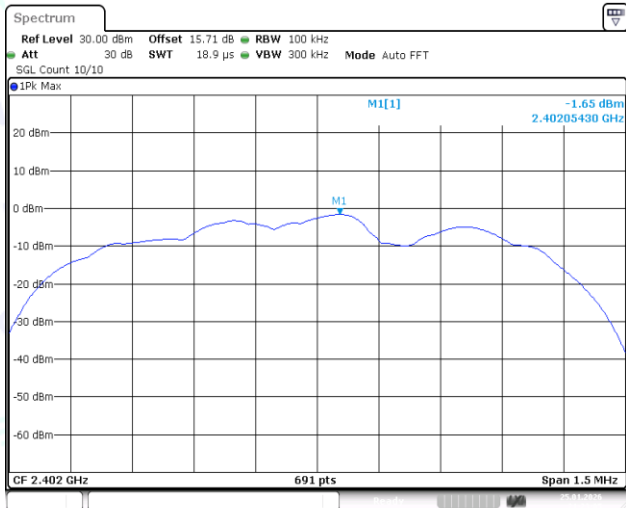
Date: 25.JAN.2026 21:20:09



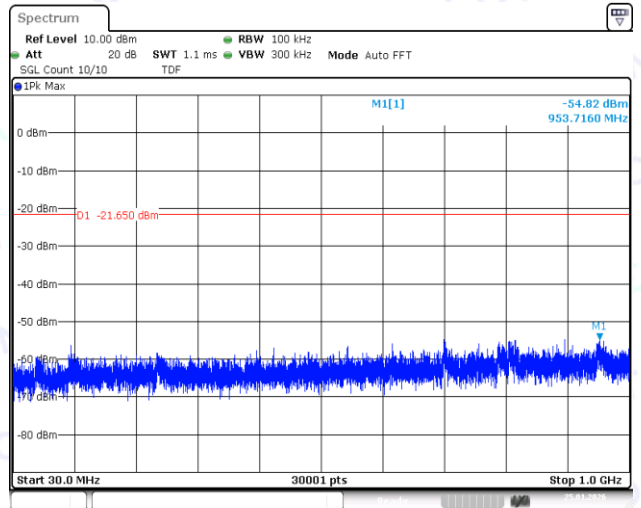
Date: 25.JAN.2026 21:20:26

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

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

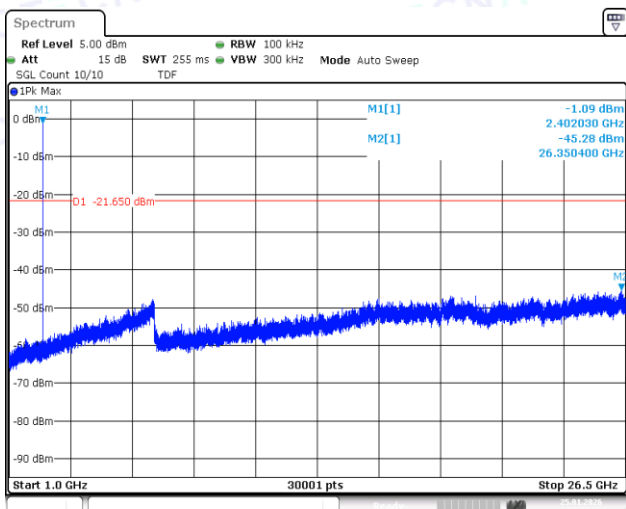


Date: 25.JAN.2026 21:23:06

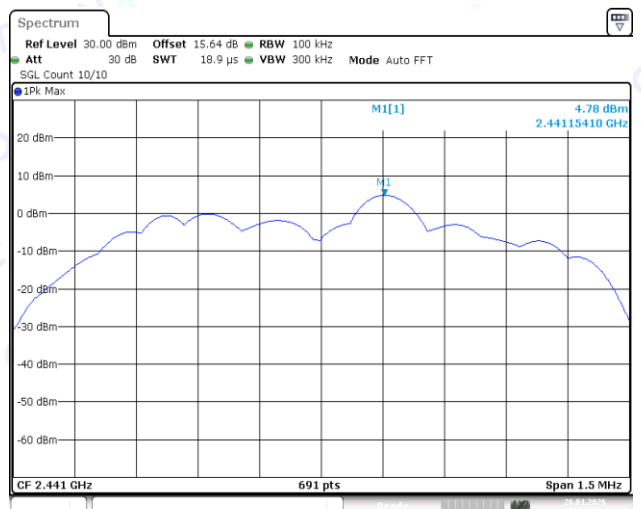


Date: 25.JAN.2026 21:23:13

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

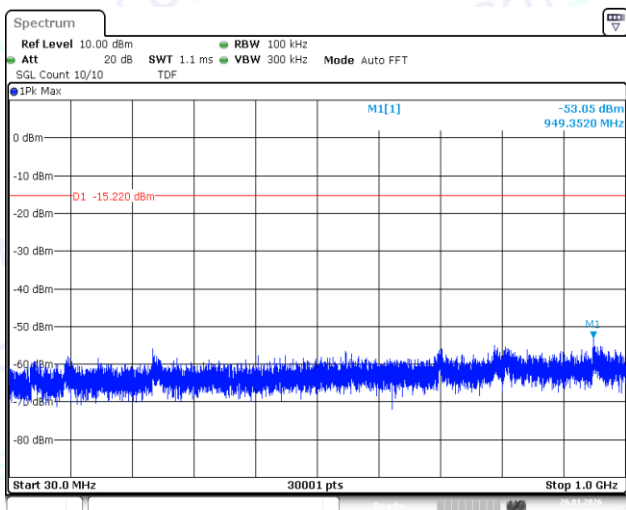


Date: 25.JAN.2026 21:23:31

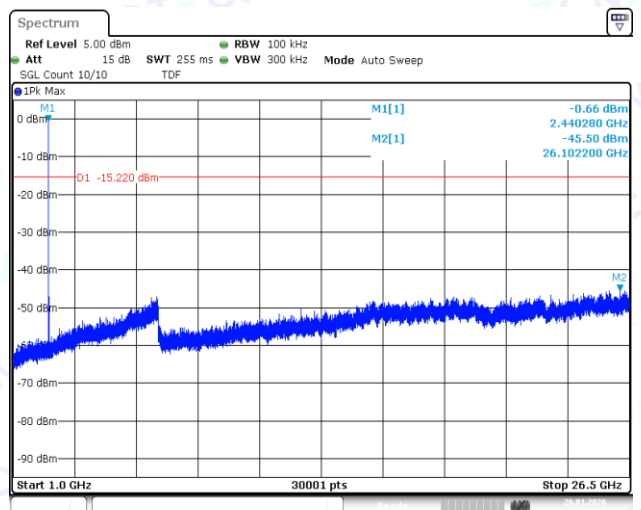


Date: 26.JAN.2026 08:40:24

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



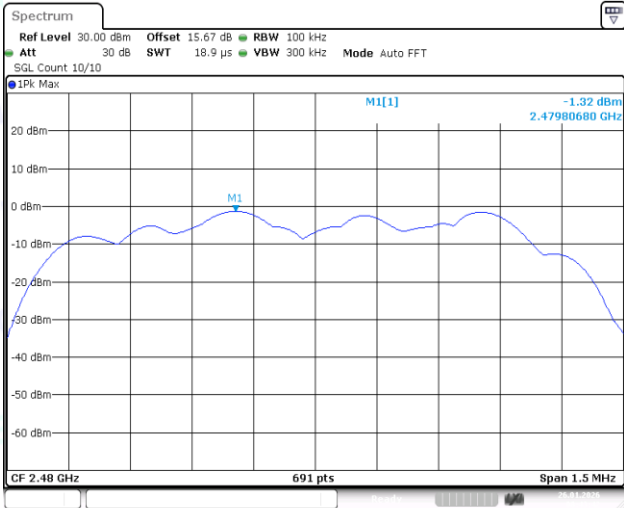
Date: 26.JAN.2026 08:40:32



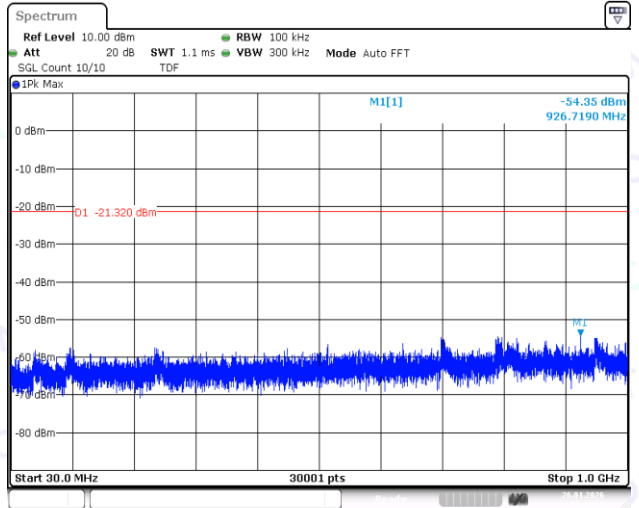
Date: 26.JAN.2026 08:40:50

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

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



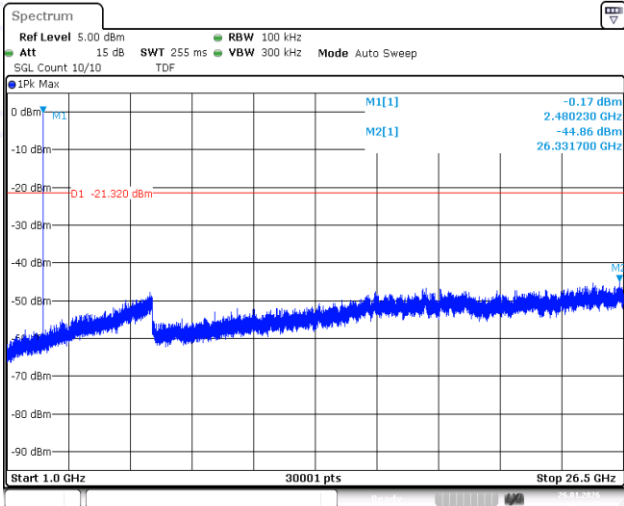
Date: 26.JAN.2026 08:43:43



Date: 26.JAN.2026 08:43:50

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

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



Date: 26.JAN.2026 08:44:07

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

9: Duty Cycle

9.1 Test Result

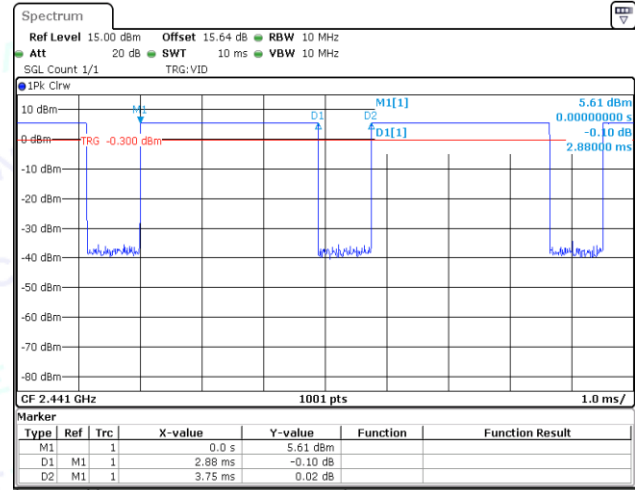
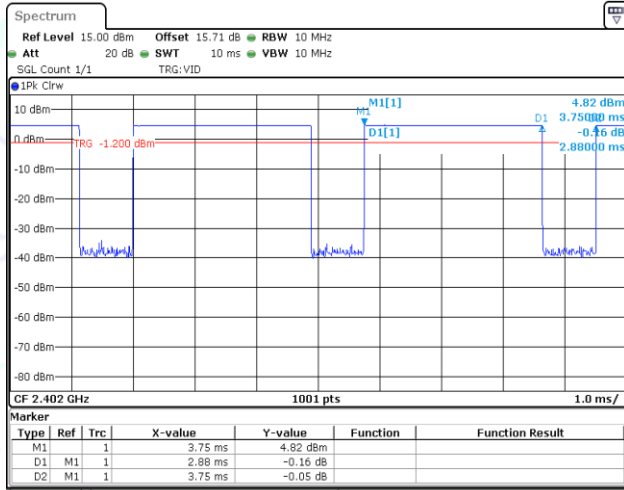
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor	1/T [kHz]
DH5	Ant1	2402	2.88	3.75	76.80	1.15	0.35
DH5	Ant1	2441	2.88	3.75	76.80	1.15	0.35
DH5	Ant1	2480	2.89	3.76	76.86	1.14	0.35
2DH5	Ant1	2402	2.89	3.76	76.86	1.14	0.35
2DH5	Ant1	2441	2.89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

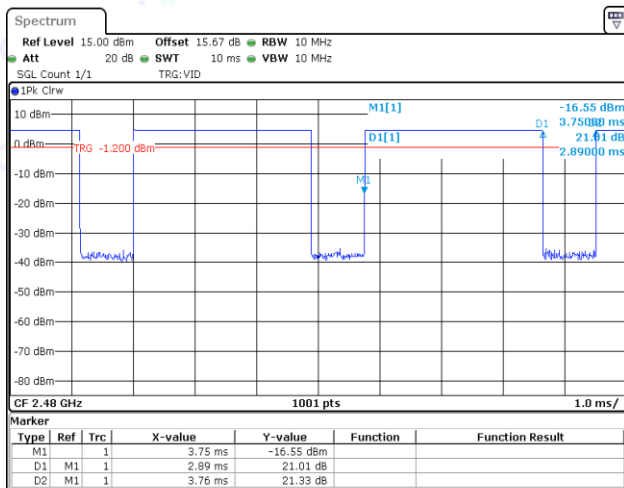
2, DC Factor= $10 \cdot \log_{10}(1/\text{Duty Cycle})$

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

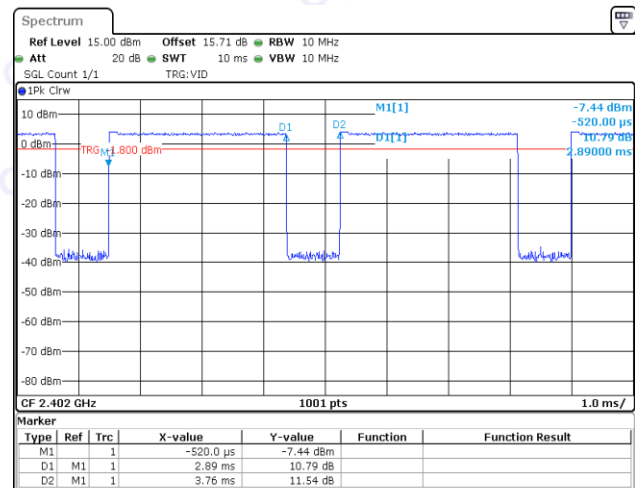
9.2 Test Graphs



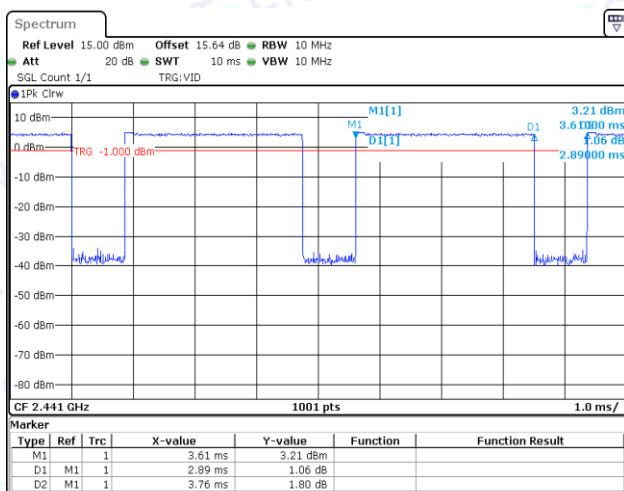
NTNV-DH5-Ant1-2402



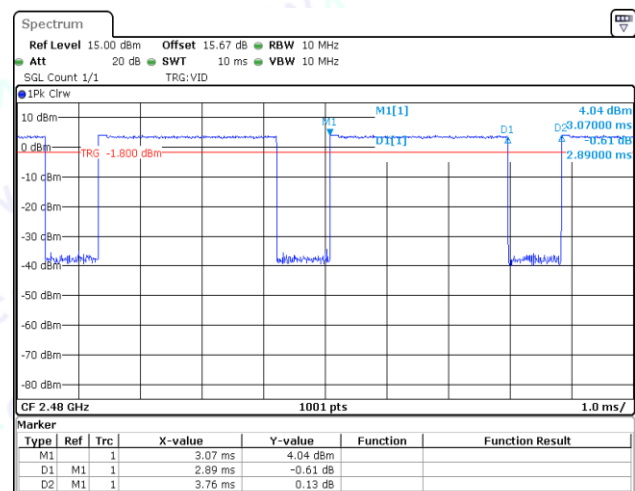
NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

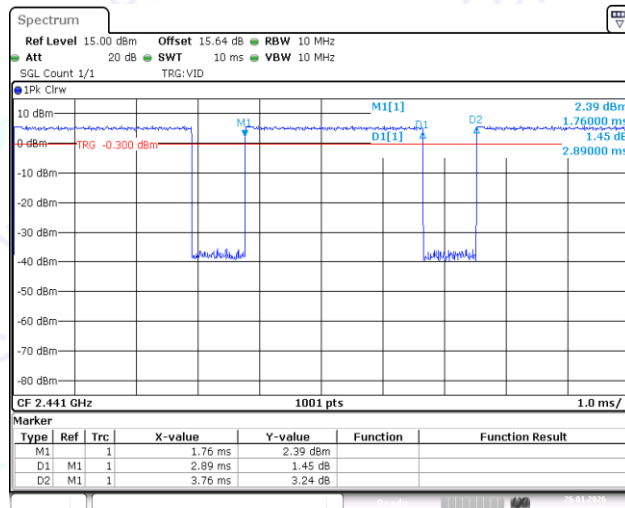
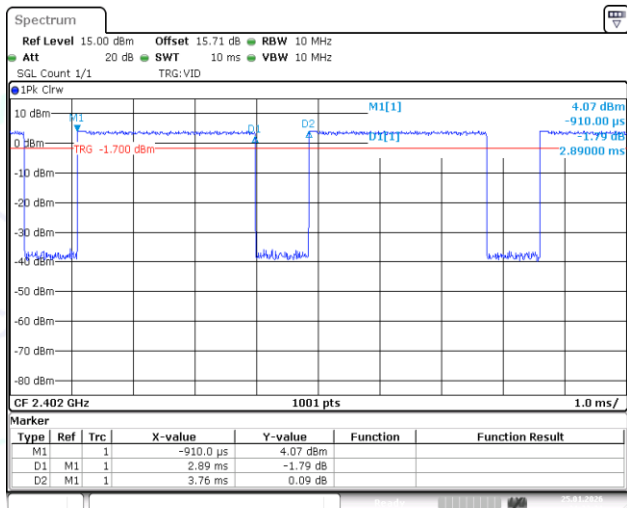


NTNV-2DH5-Ant1-2402

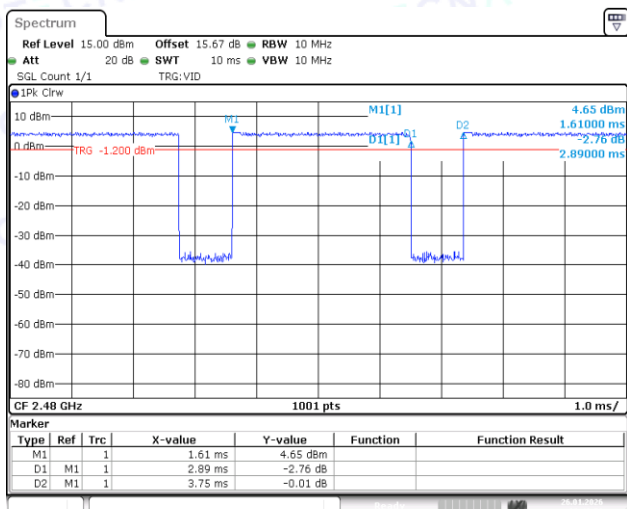


NTNV-2DH5-Ant1-2441

NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2480

NTNV-3DH5-Ant1-2441

10: Emissions in Restricted Bands

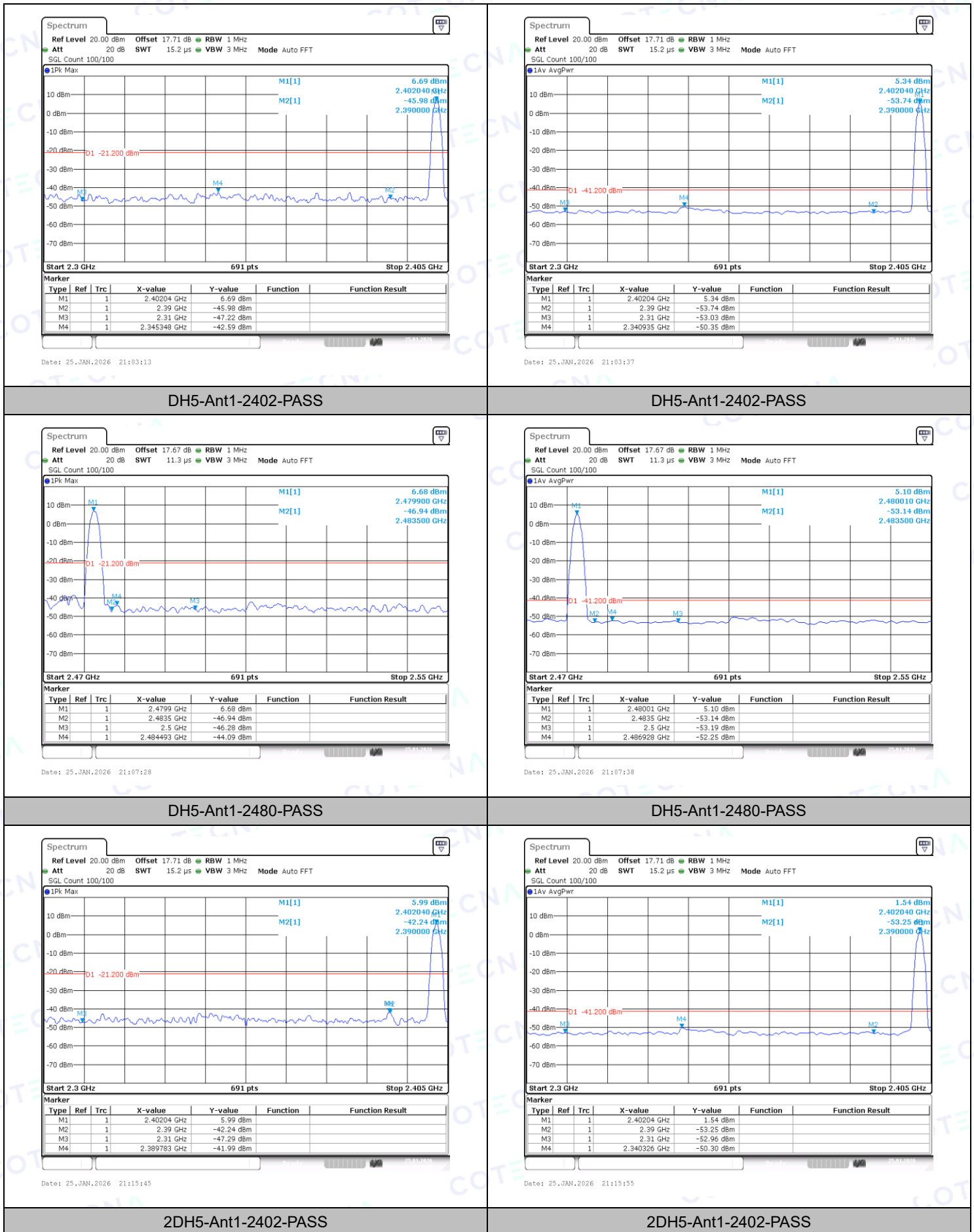
10.1 Test Result

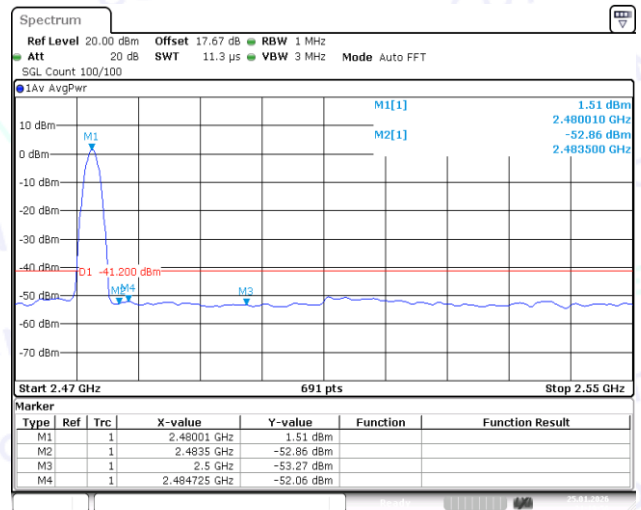
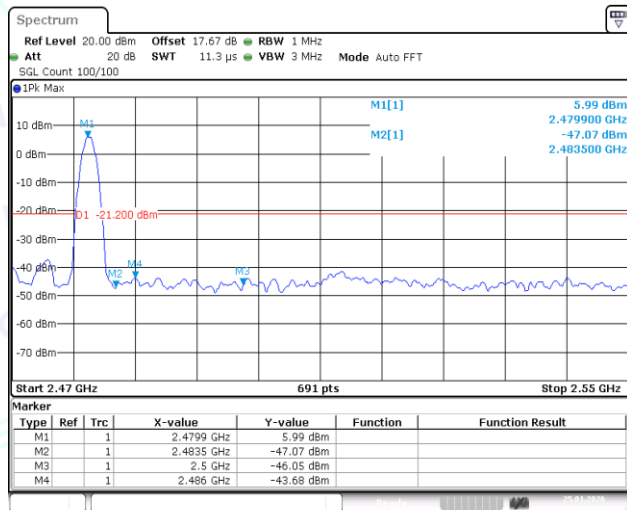
Test Mode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	Peak	2390.000	-45.98	≤-21.20	49.22	≤74	PASS
DH5	Ant1	Low	2402	Peak	2310.000	-47.22	≤-21.20	47.98	≤74	PASS
DH5	Ant1	Low	2402	Peak	2345.348	-42.59	≤-21.20	52.61	≤74	PASS
DH5	Ant1	Low	2402	AV	2390.000	-53.74	≤-41.20	41.46	≤54	PASS
DH5	Ant1	Low	2402	AV	2310.000	-53.03	≤-41.20	42.17	≤54	PASS
DH5	Ant1	Low	2402	AV	2340.935	-50.35	≤-41.20	44.85	≤54	PASS
DH5	Ant1	High	2480	Peak	2483.500	-46.94	≤-21.20	48.26	≤74	PASS
DH5	Ant1	High	2480	Peak	2500.000	-46.28	≤-21.20	48.92	≤74	PASS
DH5	Ant1	High	2480	Peak	2484.493	-44.09	≤-21.20	51.11	≤74	PASS
DH5	Ant1	High	2480	AV	2483.500	-53.14	≤-41.20	42.06	≤54	PASS
DH5	Ant1	High	2480	AV	2500.000	-53.19	≤-41.20	42.01	≤54	PASS
DH5	Ant1	High	2480	AV	2486.928	-52.25	≤-41.20	42.95	≤54	PASS
2DH5	Ant1	Low	2402	Peak	2390.000	-42.24	≤-21.20	52.96	≤74	PASS
2DH5	Ant1	Low	2402	Peak	2310.000	-47.29	≤-21.20	47.91	≤74	PASS
2DH5	Ant1	Low	2402	Peak	2389.783	-41.99	≤-21.20	53.21	≤74	PASS
2DH5	Ant1	Low	2402	AV	2390.000	-53.25	≤-41.20	41.95	≤54	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-52.96	≤-41.20	42.24	≤54	PASS
2DH5	Ant1	Low	2402	AV	2340.326	-50.3	≤-41.20	44.90	≤54	PASS
2DH5	Ant1	High	2480	Peak	2483.500	-47.07	≤-21.20	48.13	≤74	PASS
2DH5	Ant1	High	2480	Peak	2500.000	-46.05	≤-21.20	49.15	≤74	PASS
2DH5	Ant1	High	2480	Peak	2486.000	-43.68	≤-21.20	51.52	≤74	PASS
2DH5	Ant1	High	2480	AV	2483.500	-52.86	≤-41.20	42.34	≤54	PASS
2DH5	Ant1	High	2480	AV	2500.000	-53.27	≤-41.20	41.93	≤54	PASS
2DH5	Ant1	High	2480	AV	2484.725	-52.06	≤-41.20	43.14	≤54	PASS
3DH5	Ant1	Low	2402	Peak	2390.000	-47.18	≤-21.20	48.02	≤74	PASS
3DH5	Ant1	Low	2402	Peak	2310.000	-45.2	≤-21.20	50.00	≤74	PASS
3DH5	Ant1	Low	2402	Peak	2340.022	-42.88	≤-21.20	52.32	≤74	PASS
3DH5	Ant1	Low	2402	AV	2390.000	-53.56	≤-41.20	41.64	≤54	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-52.82	≤-41.20	42.38	≤54	PASS
3DH5	Ant1	Low	2402	AV	2341.848	-50.28	≤-41.20	44.92	≤54	PASS
3DH5	Ant1	High	2480	Peak	2483.500	-47.56	≤-21.20	47.64	≤74	PASS
3DH5	Ant1	High	2480	Peak	2500.000	-47.24	≤-21.20	47.96	≤74	PASS
3DH5	Ant1	High	2480	Peak	2487.855	-43.78	≤-21.20	51.42	≤74	PASS
3DH5	Ant1	High	2480	AV	2483.500	-53.47	≤-41.20	41.73	≤54	PASS
3DH5	Ant1	High	2480	AV	2500.000	-52.52	≤-41.20	42.68	≤54	PASS
3DH5	Ant1	High	2480	AV	2497.362	-52.01	≤-41.20	43.19	≤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.

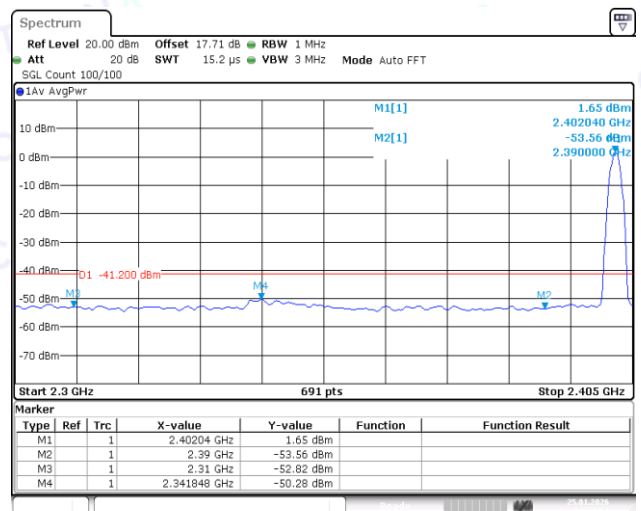
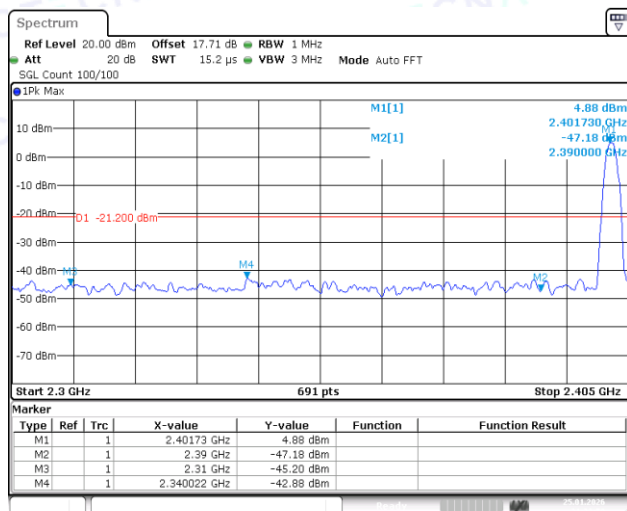
10.2 Test Graphs





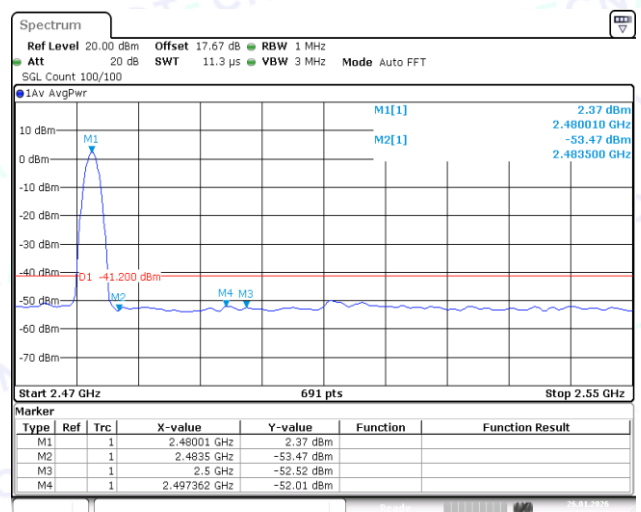
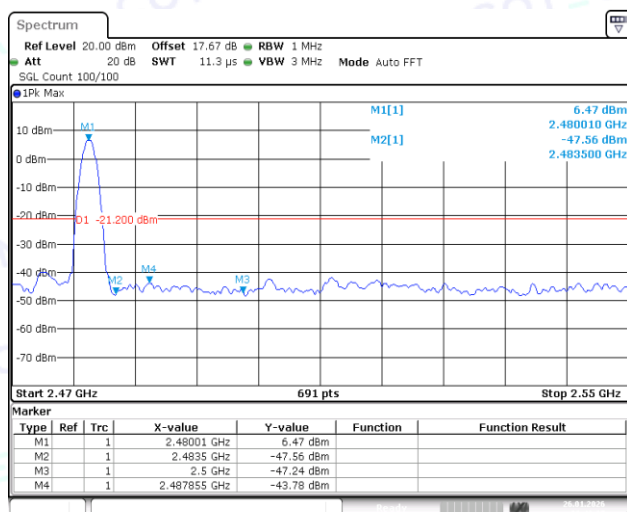
2DH5-Ant1-2480-PASS

2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS

3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS

3DH5-Ant1-2480-PASS

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