

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

General Description of EUT	
EUT Name:	Portable Gaming Computer(Tablet computer)
Model:	AYANEO Pocket S Mini
Sample ID:	HC-C-202511-0372-01-03-2#
Test Standard:	FCC Part 15.247
Environmental Conditions	
Ambient Temperature:	25℃
Ambient Humidity:	45%RH
Test Power Supply:	DC 3.87V
Test Engineer:	Gold. Zhang
Note: For a more detailed features description, please refer to the report TBR-C-202511-0372-17	

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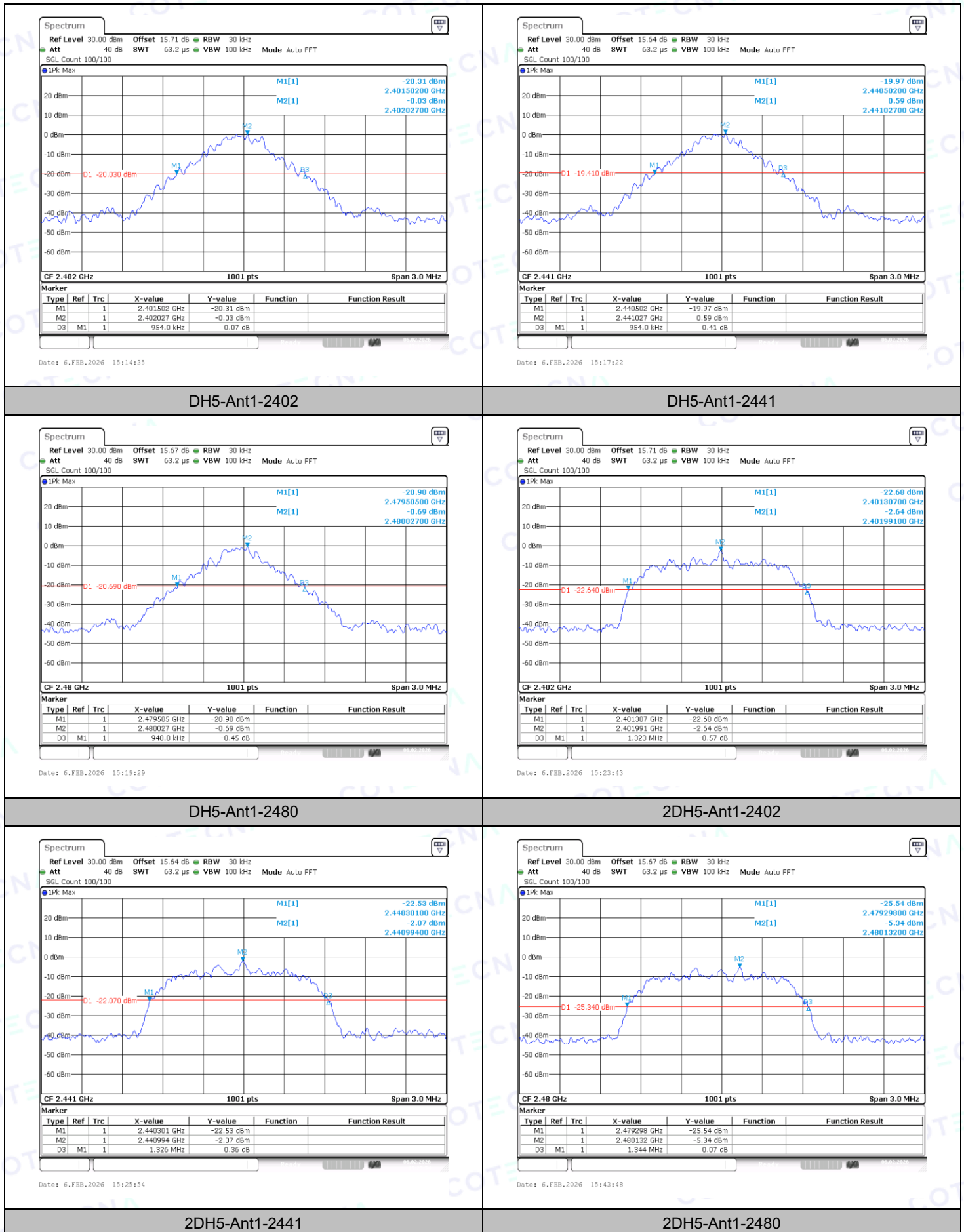
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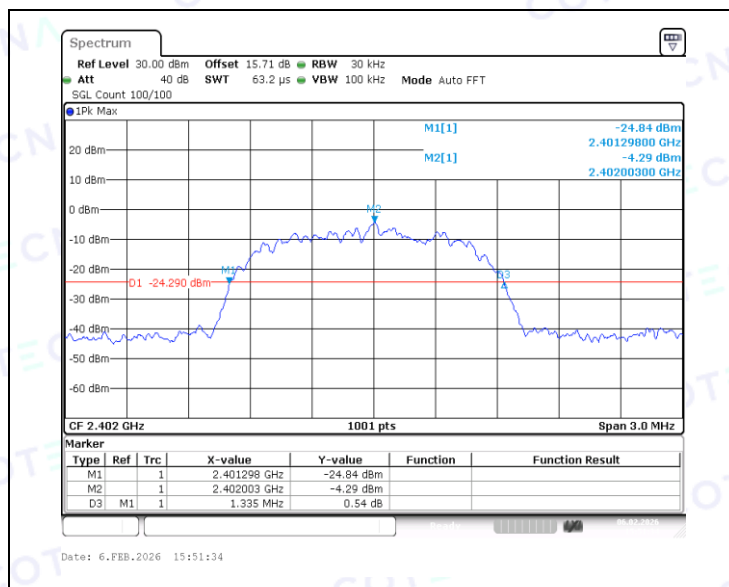
1: 20dB Emission Bandwidth

1.1 Test Result

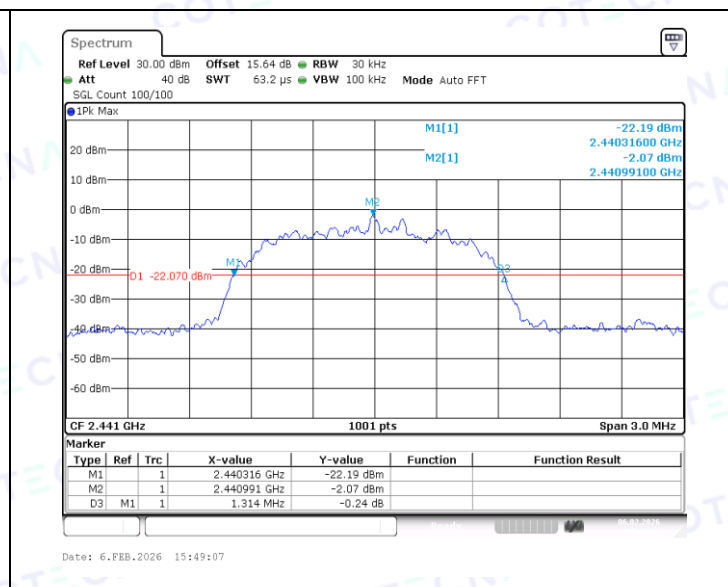
Test Mode	Antenna	Frequency[MHz]	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.50	2402.46	---	---
DH5	Ant1	2441	0.95	2440.50	2441.46	---	---
DH5	Ant1	2480	0.95	2479.51	2480.45	---	---
2DH5	Ant1	2402	1.32	2401.31	2402.63	---	---
2DH5	Ant1	2441	1.33	2440.30	2441.63	---	---
2DH5	Ant1	2480	1.34	2479.30	2480.64	---	---
3DH5	Ant1	2402	1.34	2401.30	2402.63	---	---
3DH5	Ant1	2441	1.31	2440.32	2441.63	---	---
3DH5	Ant1	2480	1.35	2479.29	2480.64	---	---

1.2 Test Graphs

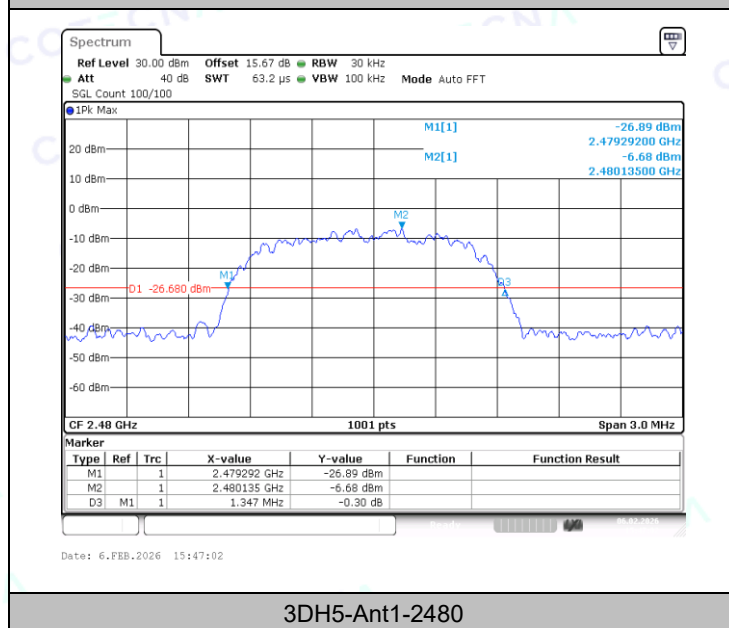




3DH5-Ant1-2402



3DH5-Ant1-2441



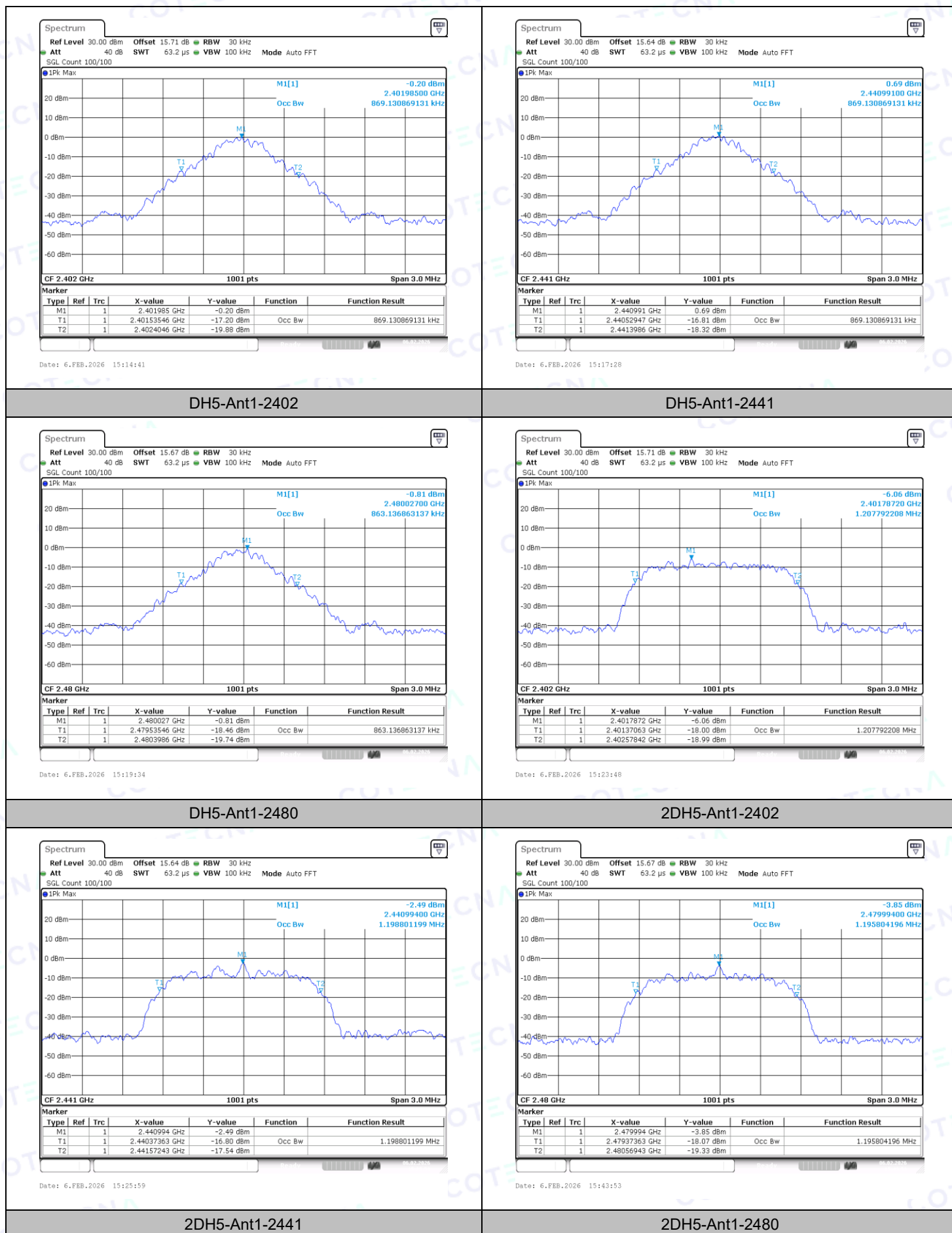
3DH5-Ant1-2480

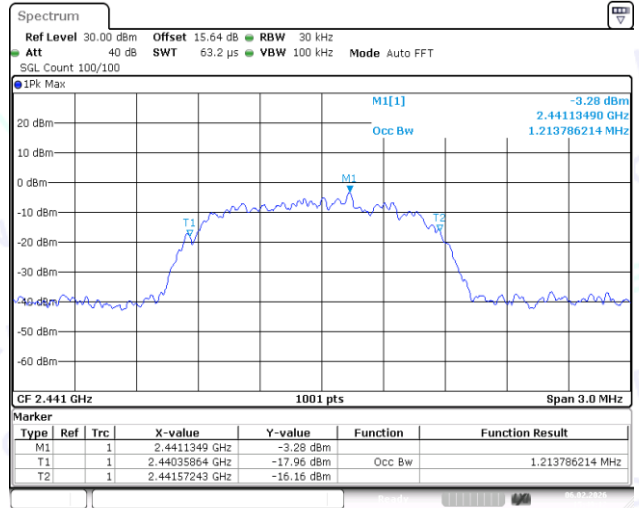
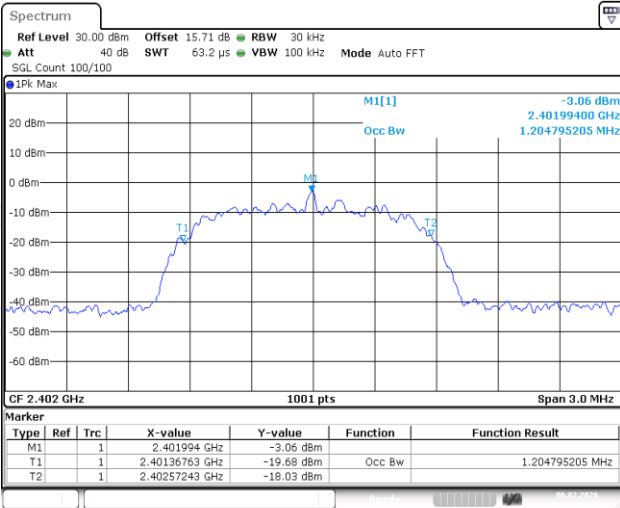
2: Occupied Channel Bandwidth

2.1 Test Result

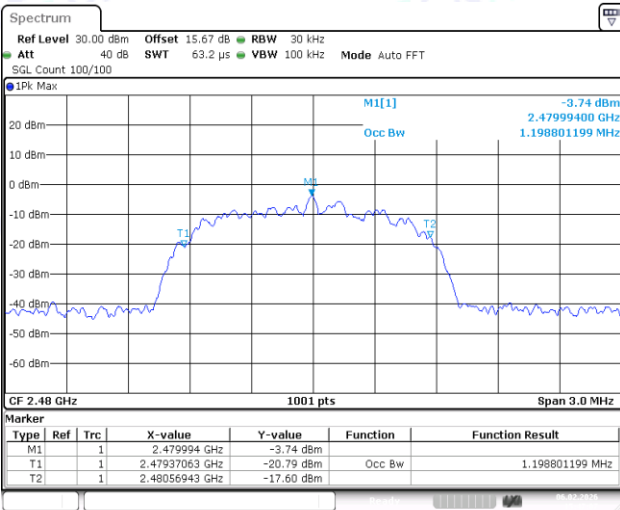
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86913	2401.5355	2402.4046	---	---
DH5	Ant1	2441	0.86913	2440.5295	2441.3986	---	---
DH5	Ant1	2480	0.86314	2479.5355	2480.3986	---	---
2DH5	Ant1	2402	1.2078	2401.3706	2402.5784	---	---
2DH5	Ant1	2441	1.1988	2440.3736	2441.5724	---	---
2DH5	Ant1	2480	1.1958	2479.3736	2480.5694	---	---
3DH5	Ant1	2402	1.2048	2401.3676	2402.5724	---	---
3DH5	Ant1	2441	1.2138	2440.3586	2441.5724	---	---
3DH5	Ant1	2480	1.1988	2479.3706	2480.5694	---	---

2.2 Test Graphs





3DH5-Ant1-2402



3DH5-Ant1-2441

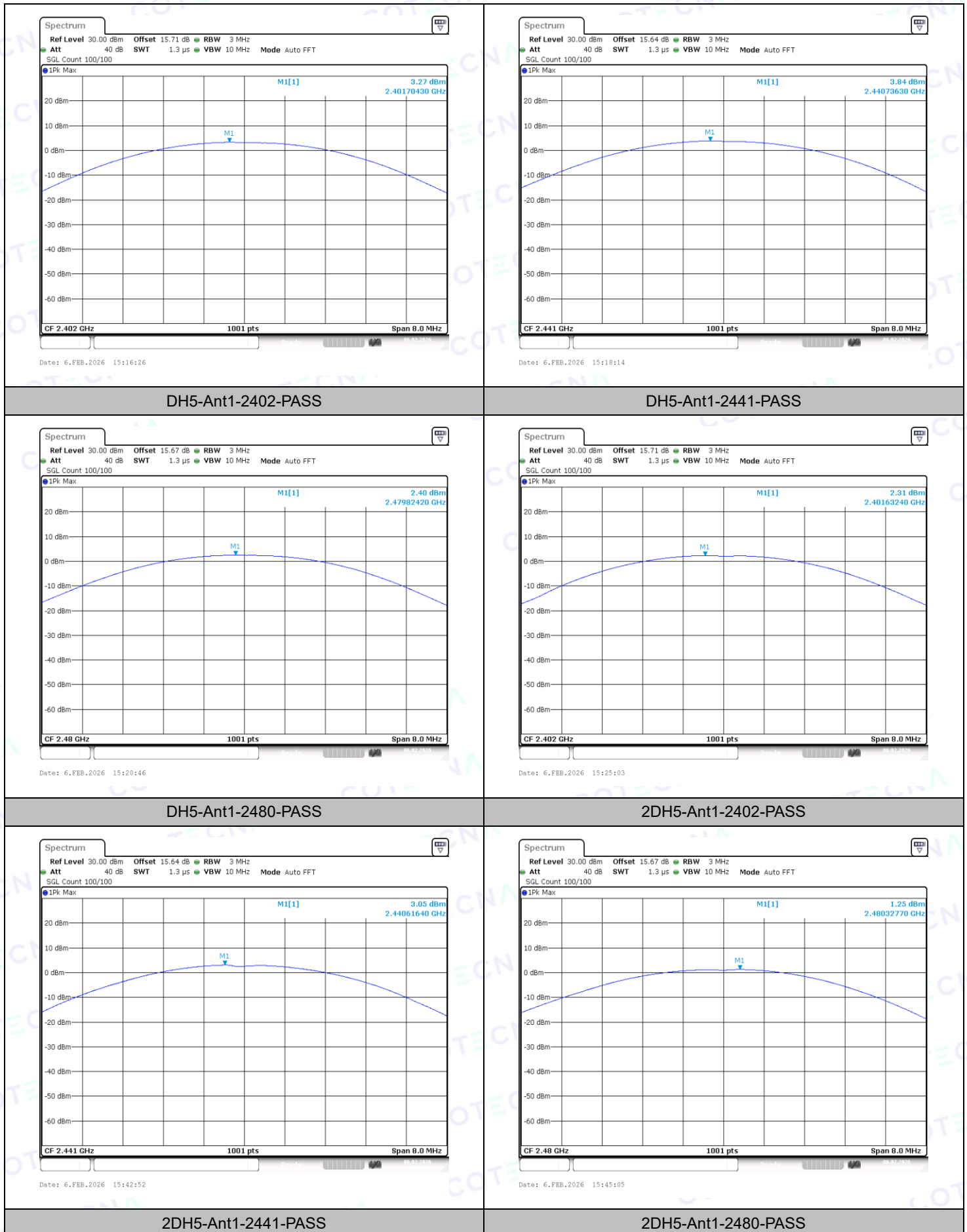
3DH5-Ant1-2480

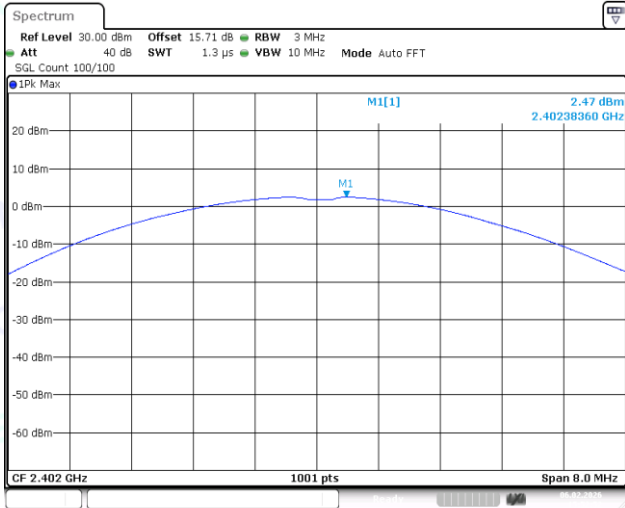
3: Maximum conducted output power

3.1 Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.27	≤21	PASS
DH5	Ant1	2441	3.84	≤21	PASS
DH5	Ant1	2480	2.40	≤21	PASS
2DH5	Ant1	2402	2.31	≤21	PASS
2DH5	Ant1	2441	3.05	≤21	PASS
2DH5	Ant1	2480	1.25	≤21	PASS
3DH5	Ant1	2402	2.47	≤21	PASS
3DH5	Ant1	2441	3.01	≤21	PASS
3DH5	Ant1	2480	1.59	≤21	PASS

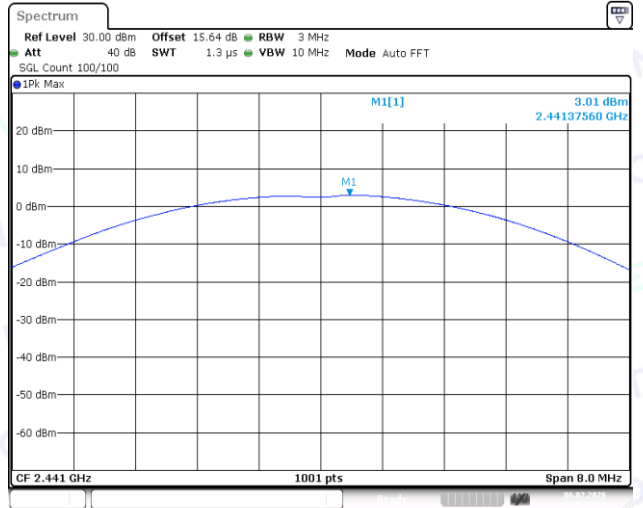
3.2 Test Graphs





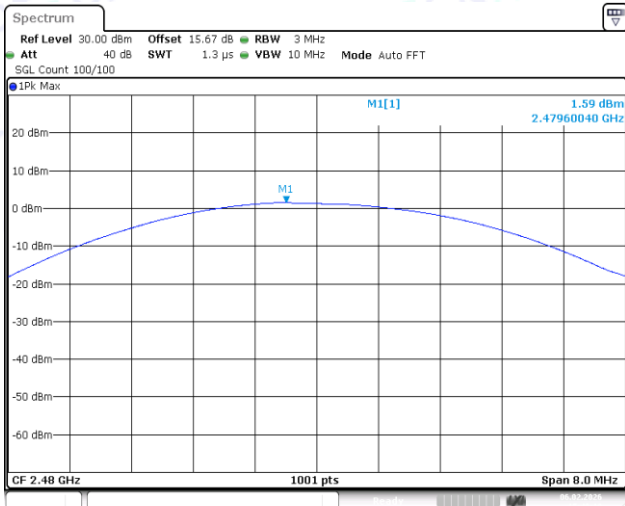
Date: 6.FEB.2026 15:52:52

3DH5-Ant1-2402-PASS



Date: 6.FEB.2026 15:50:12

3DH5-Ant1-2441-PASS



Date: 6.FEB.2026 15:48:19

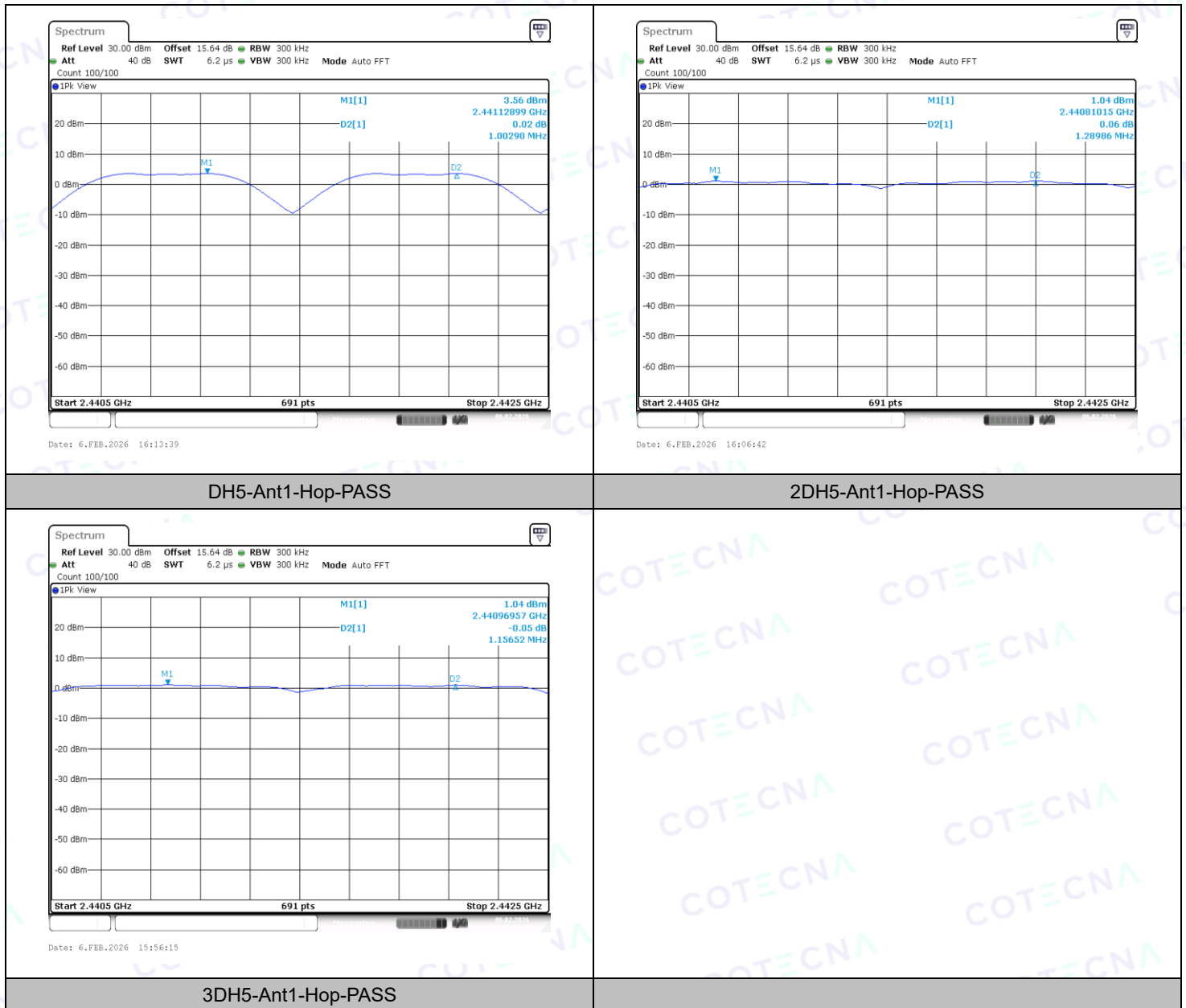
3DH5-Ant1-2480-PASS

4: Carrier frequency separation

4.1 Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.003	≥0.633	PASS
2DH5	Ant1	Hop	1.29	≥0.893	PASS
3DH5	Ant1	Hop	1.157	≥0.900	PASS

4.2 Test Graphs

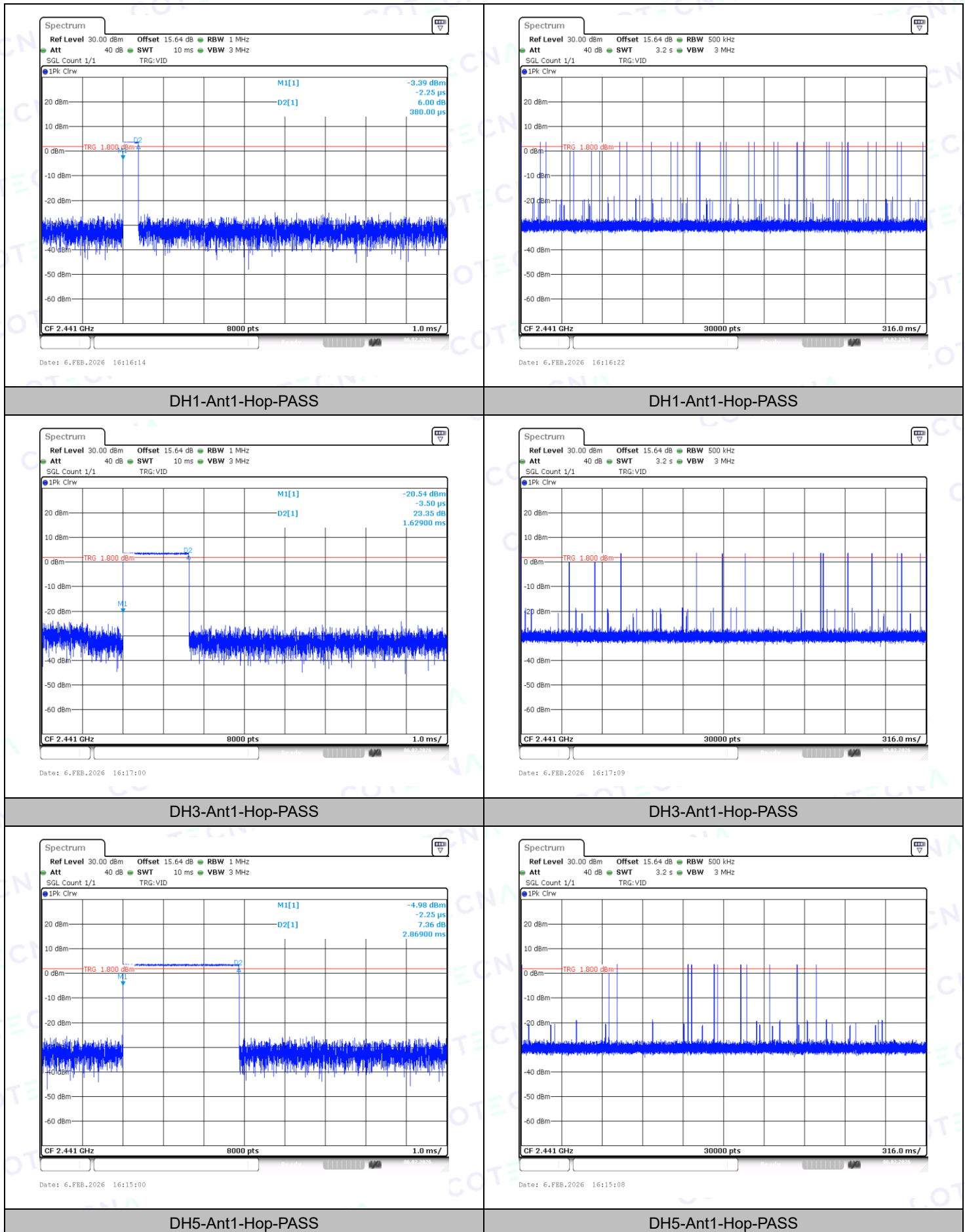


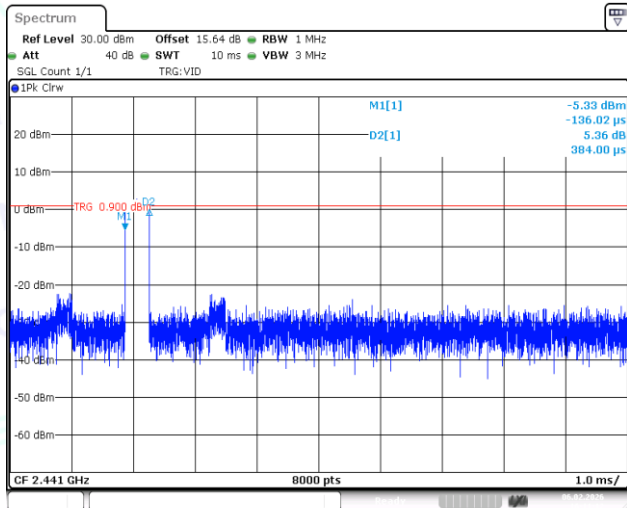
5: Time of occupancy

5.1 Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.629	150	0.244	≤0.4	PASS
DH5	Ant1	Hop	2.869	120	0.344	≤0.4	PASS
2DH1	Ant1	Hop	0.384	330	0.127	≤0.4	PASS
2DH3	Ant1	Hop	1.629	150	0.244	≤0.4	PASS
2DH5	Ant1	Hop	2.869	110	0.316	≤0.4	PASS
3DH1	Ant1	Hop	0.384	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.628	180	0.293	≤0.4	PASS
3DH5	Ant1	Hop	2.872	100	0.287	≤0.4	PASS

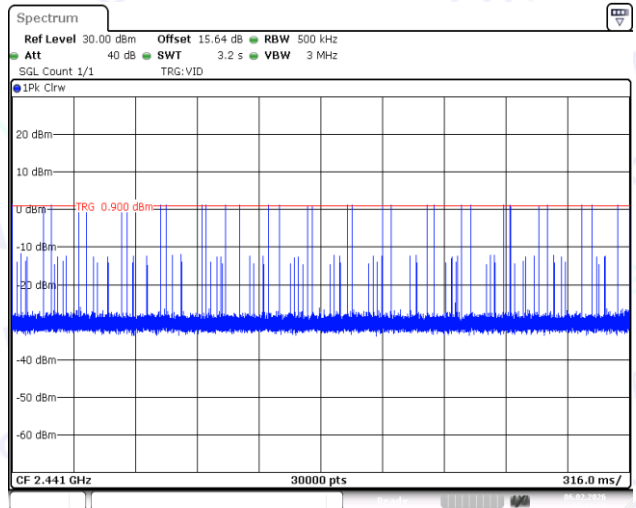
5.2 Test Graphs





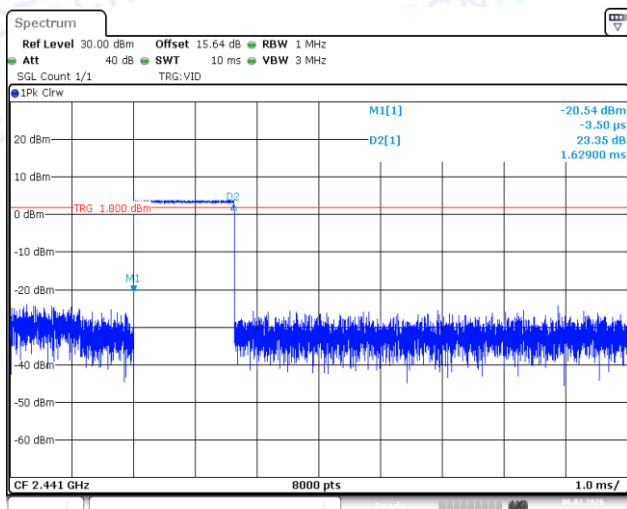
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2DH1-Ant1-Hop-PASS



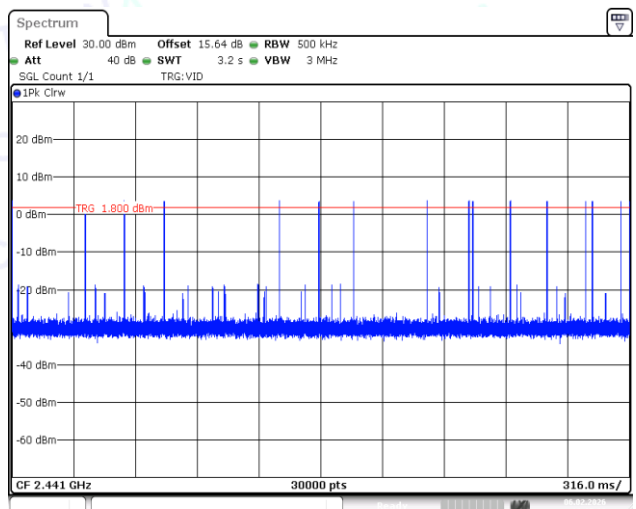
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2DH1-Ant1-Hop-PASS



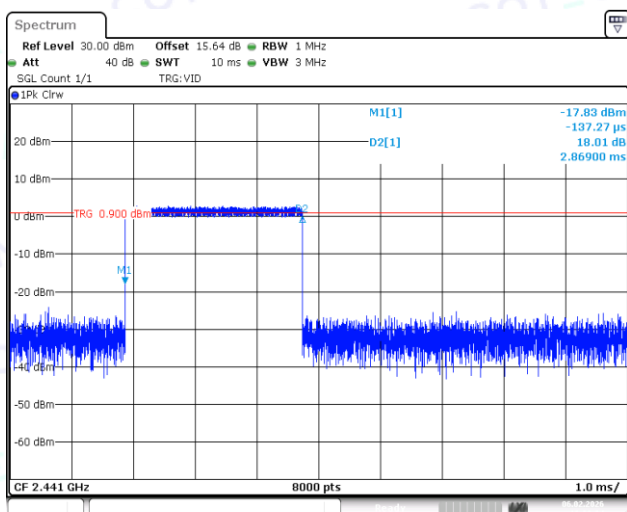
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2DH3-Ant1-Hop-PASS



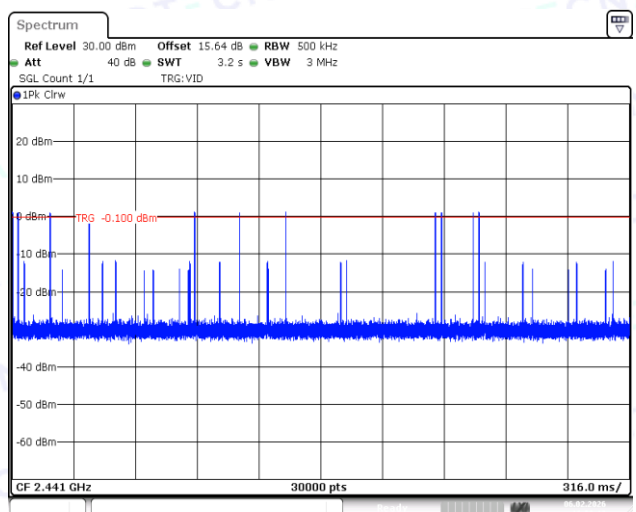
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2DH3-Ant1-Hop-PASS



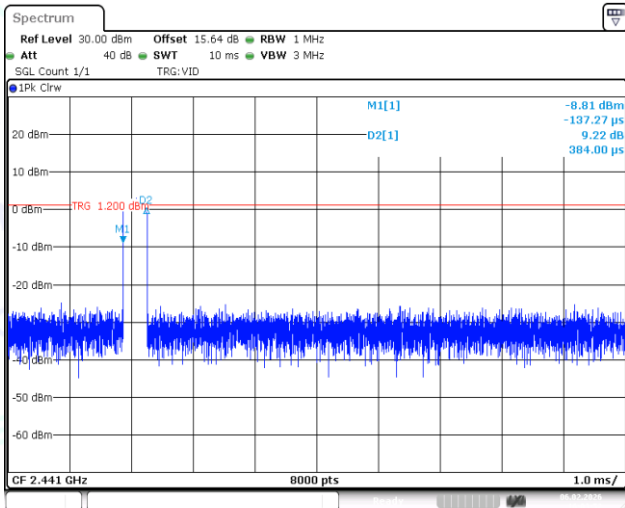
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2DH5-Ant1-Hop-PASS



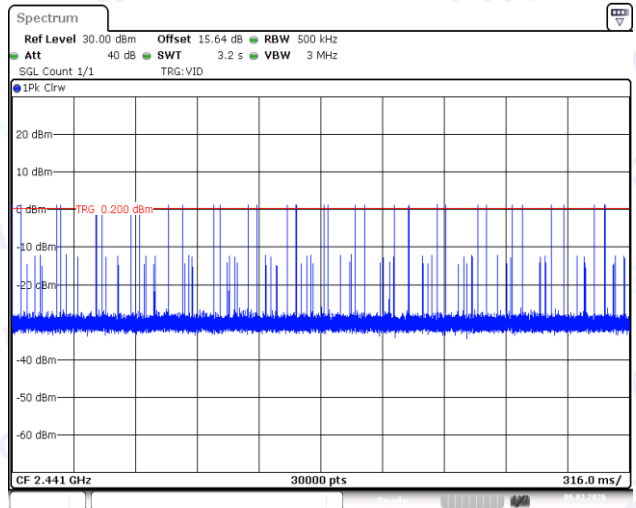
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2DH5-Ant1-Hop-PASS



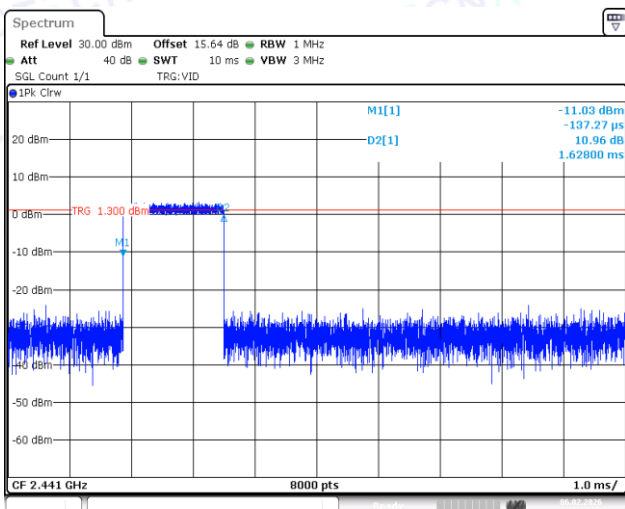
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3DH1-Ant1-Hop-PASS

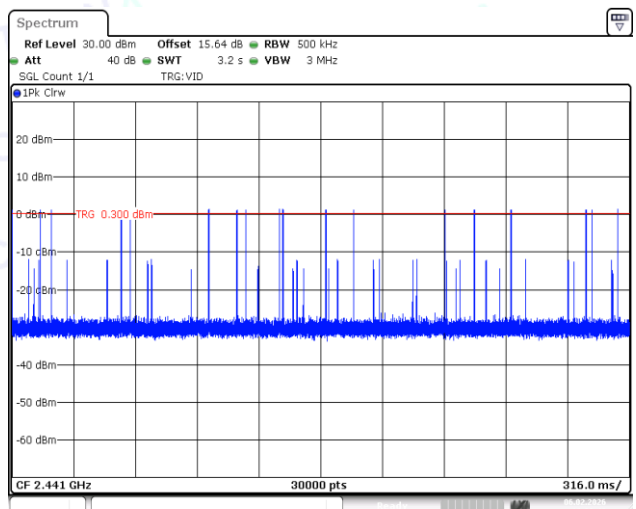


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3DH1-Ant1-Hop-PASS



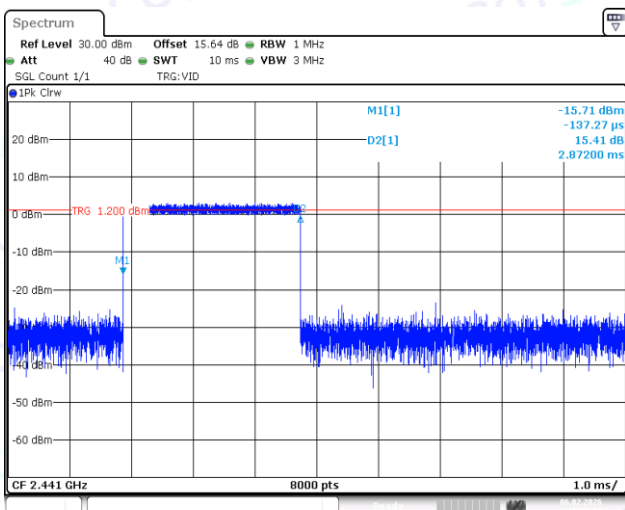
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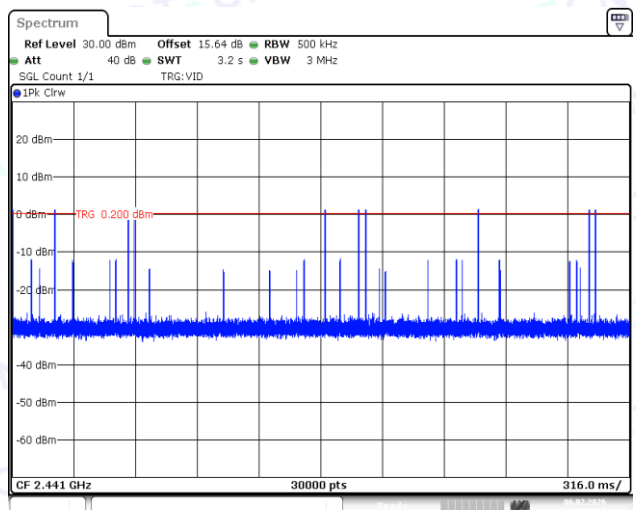
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3DH3-Ant1-Hop-PASS

3DH3-Ant1-Hop-PASS



Date: 6.FEB.2026 15:57:36



Date: 6.FEB.2026 15:57:50

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

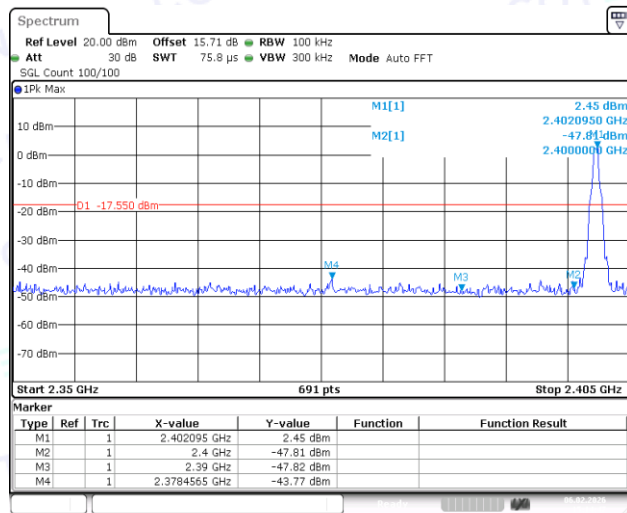


7: Band edge measurements

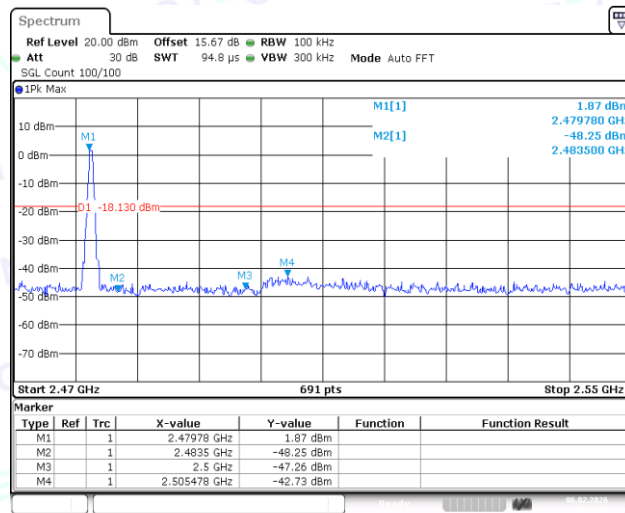
7.1 Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.45	-43.77	≤ -17.55	PASS
DH5	Ant1	High	2480	1.87	-42.73	≤ -18.13	PASS
DH5	Ant1	Low	Hop_2402	2.60	-43.47	≤ -17.4	PASS
DH5	Ant1	High	Hop_2480	2.44	-42.2	≤ -17.56	PASS
2DH5	Ant1	Low	2402	-0.13	-43.65	≤ -20.13	PASS
2DH5	Ant1	High	2480	-2.53	-42.6	≤ -22.53	PASS
2DH5	Ant1	Low	Hop_2402	0.09	-43.91	≤ -19.91	PASS
2DH5	Ant1	High	Hop_2480	-0.11	-41.82	≤ -20.11	PASS
3DH5	Ant1	Low	2402	0.08	-44.28	≤ -19.92	PASS
3DH5	Ant1	High	2480	-2.18	-43.24	≤ -22.18	PASS
3DH5	Ant1	Low	Hop_2402	-1.50	-44.03	≤ -21.5	PASS
3DH5	Ant1	High	Hop_2480	-1.77	-41.02	≤ -21.77	PASS

7.2 Test Graphs



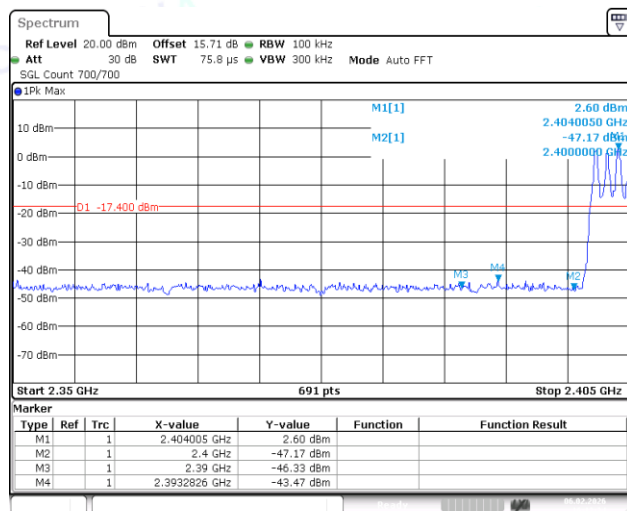
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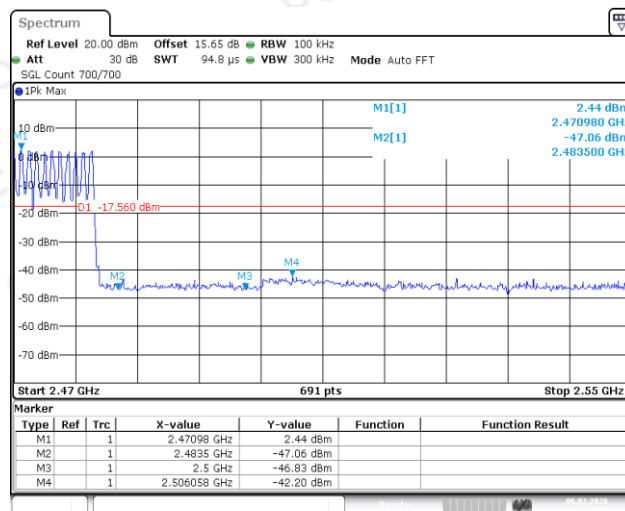
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DH5-Ant1-2402-PASS

DH5-Ant1-2480-PASS



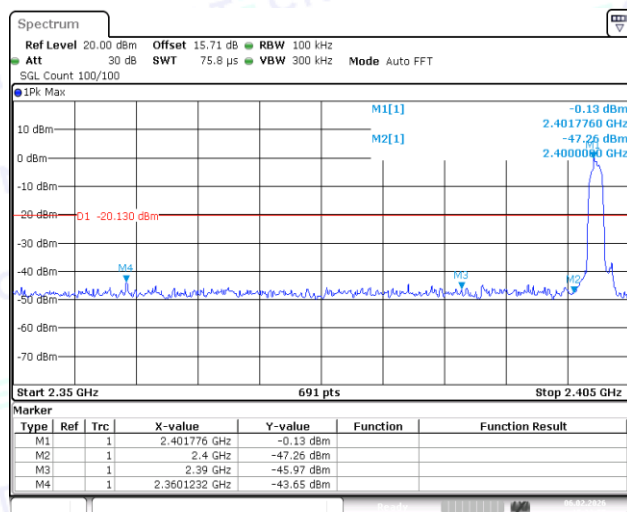
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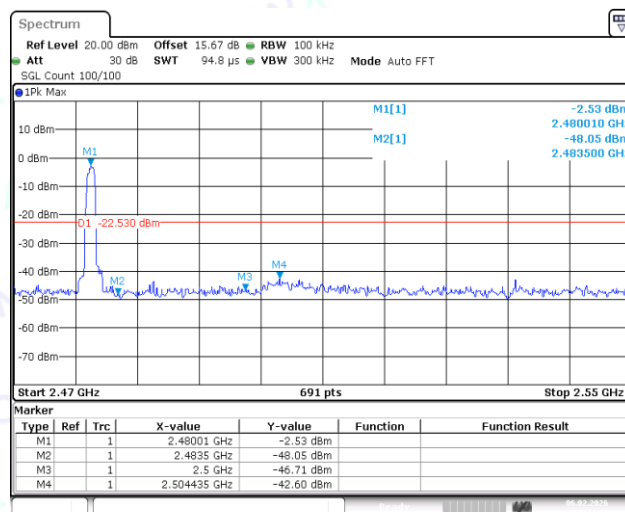
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DH5-Ant1-Hop_2402-PASS

DH5-Ant1-Hop_2480-PASS



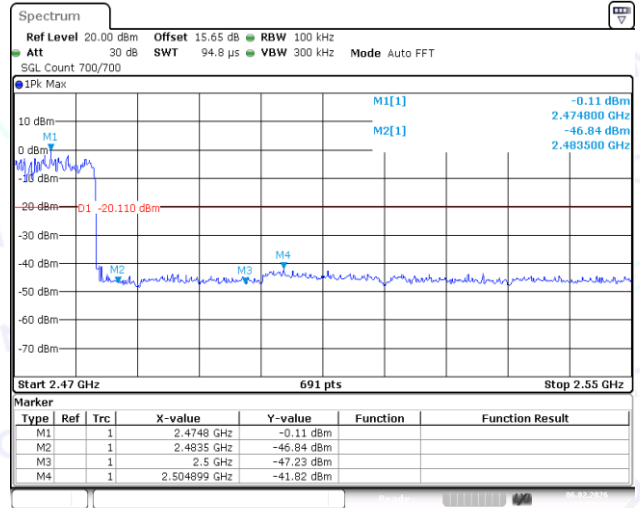
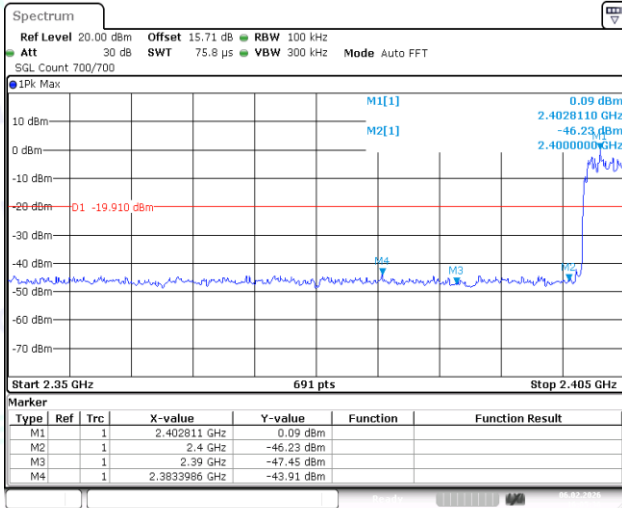
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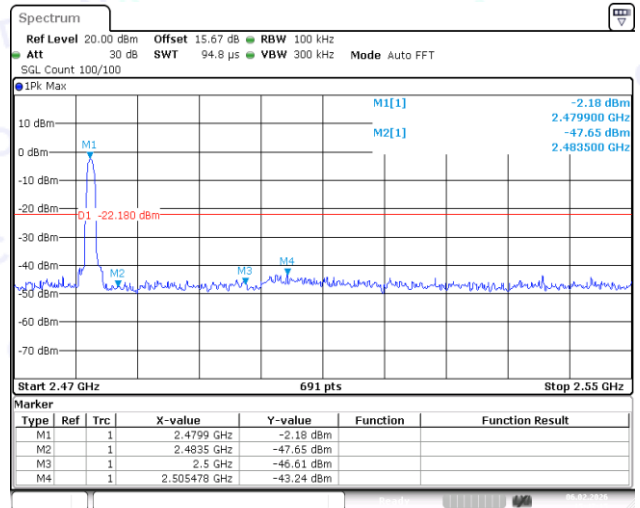
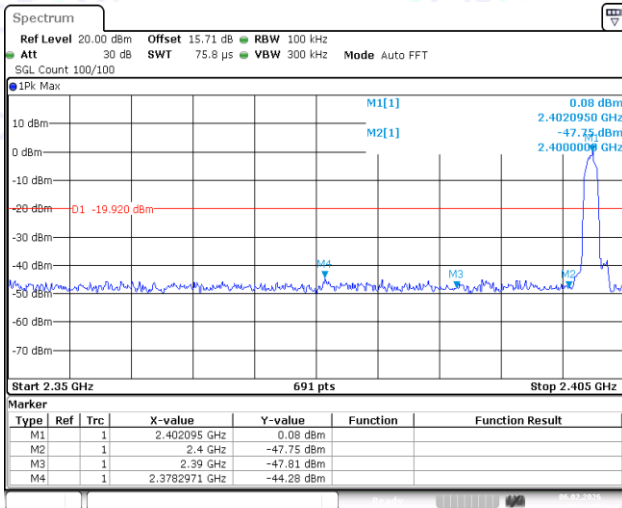
2DH5-Ant1-2402-PASS

2DH5-Ant1-2480-PASS



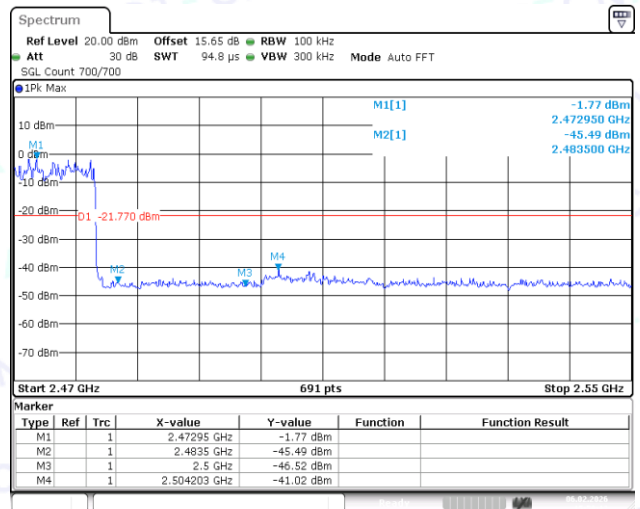
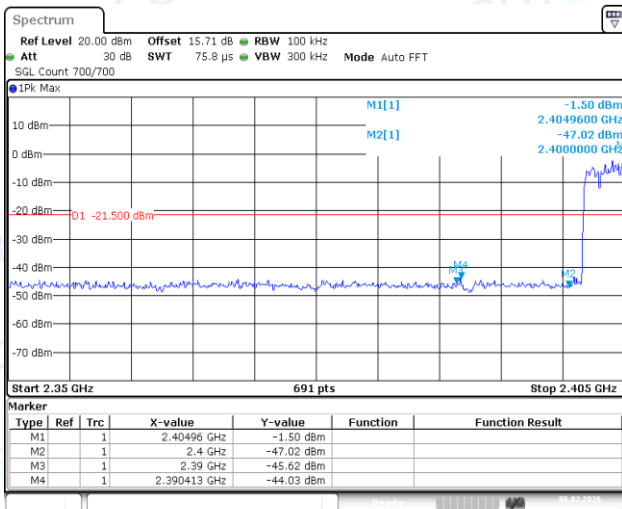
2DH5-Ant1-Hop_2402-PASS

2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS

3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

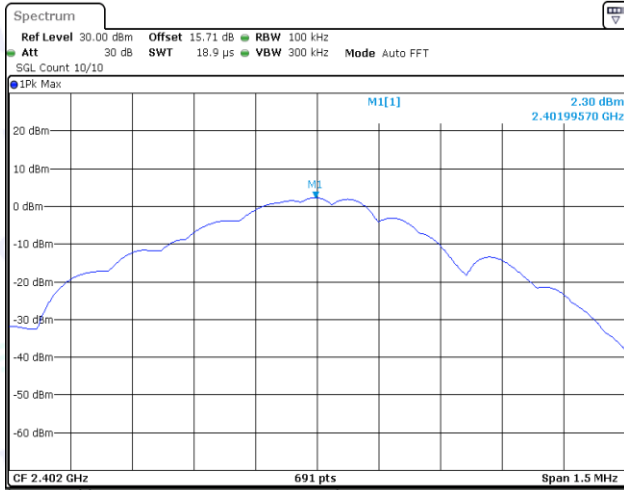
3DH5-Ant1-Hop_2480-PASS

8: Conducted Spurious Emission

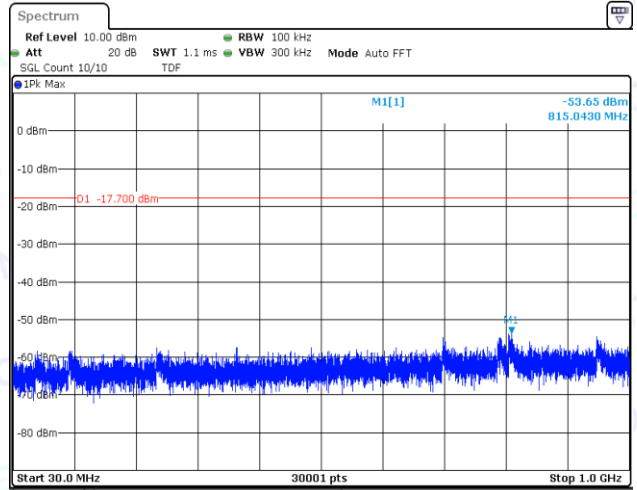
8.1 Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	2.30	2.30	---	PASS
DH5	Ant1	2402	30~1000	2.30	-53.65	≤-17.7	PASS
DH5	Ant1	2402	1000~26500	2.30	-45.74	≤-17.7	PASS
DH5	Ant1	2441	0~Reference	2.55	2.55	---	PASS
DH5	Ant1	2441	30~1000	2.55	-53.37	≤-17.45	PASS
DH5	Ant1	2441	1000~26500	2.55	-45.89	≤-17.45	PASS
DH5	Ant1	2480	0~Reference	1.31	1.31	---	PASS
DH5	Ant1	2480	30~1000	1.31	-53.96	≤-18.69	PASS
DH5	Ant1	2480	1000~26500	1.31	-45.54	≤-18.69	PASS
2DH5	Ant1	2402	0~Reference	-2.98	-2.98	---	PASS
2DH5	Ant1	2402	30~1000	-2.98	-53.61	≤-22.98	PASS
2DH5	Ant1	2402	1000~26500	-2.98	-45.98	≤-22.98	PASS
2DH5	Ant1	2441	0~Reference	-1.96	-1.96	---	PASS
2DH5	Ant1	2441	30~1000	-1.96	-53.18	≤-21.96	PASS
2DH5	Ant1	2441	1000~26500	-1.96	-45.85	≤-21.96	PASS
2DH5	Ant1	2480	0~Reference	-3.07	-3.07	---	PASS
2DH5	Ant1	2480	30~1000	-3.07	-53.53	≤-23.07	PASS
2DH5	Ant1	2480	1000~26500	-3.07	-44.8	≤-23.07	PASS
3DH5	Ant1	2402	0~Reference	-2.76	-2.76	---	PASS
3DH5	Ant1	2402	30~1000	-2.76	-54.09	≤-22.76	PASS
3DH5	Ant1	2402	1000~26500	-2.76	-44.57	≤-22.76	PASS
3DH5	Ant1	2441	0~Reference	-0.53	-0.53	---	PASS
3DH5	Ant1	2441	30~1000	-0.53	-54.73	≤-20.53	PASS
3DH5	Ant1	2441	1000~26500	-0.53	-45.44	≤-20.53	PASS
3DH5	Ant1	2480	0~Reference	-3.56	-3.56	---	PASS
3DH5	Ant1	2480	30~1000	-3.56	-54.26	≤-23.56	PASS
3DH5	Ant1	2480	1000~26500	-3.56	-44.79	≤-23.56	PASS

8.2 Test Graphs



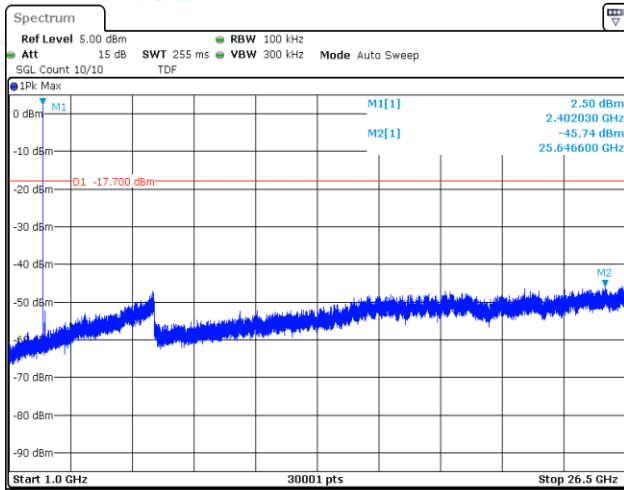
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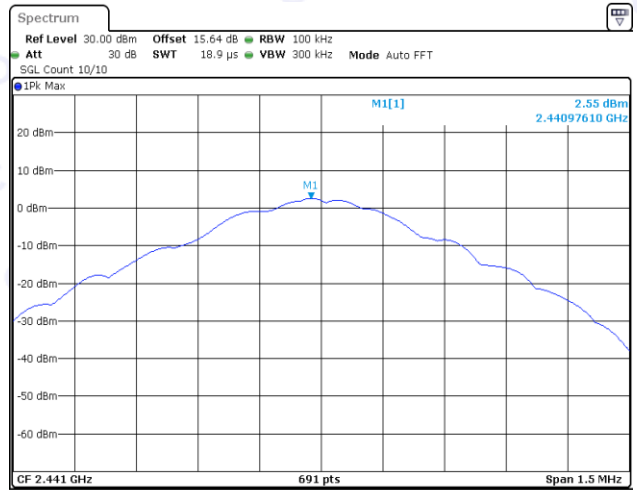
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DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS



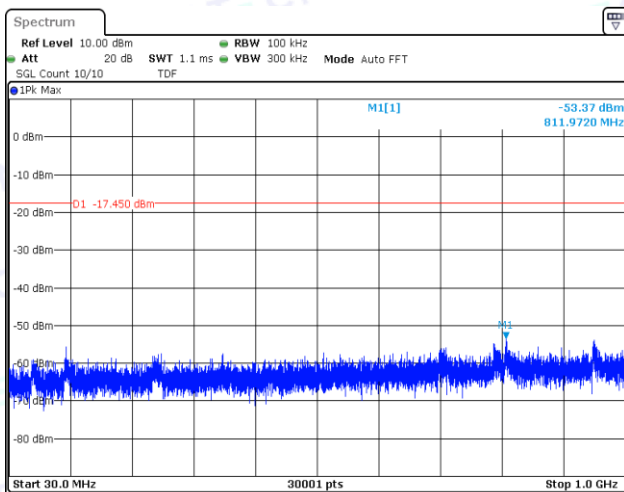
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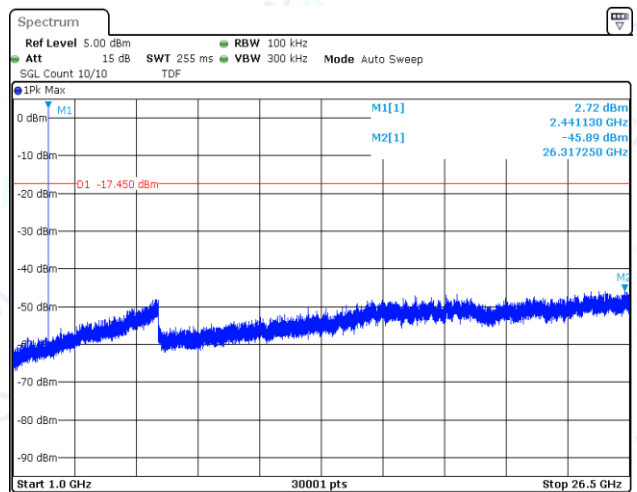
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DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS



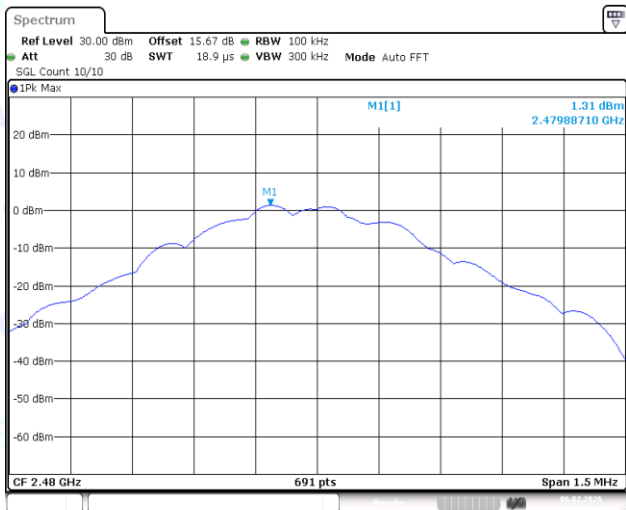
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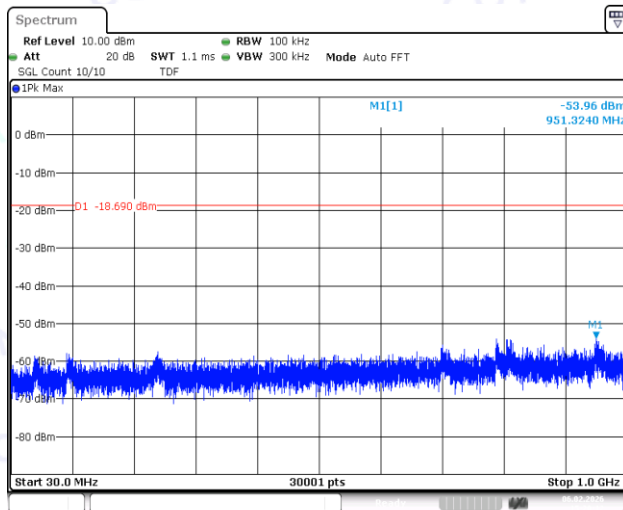
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DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



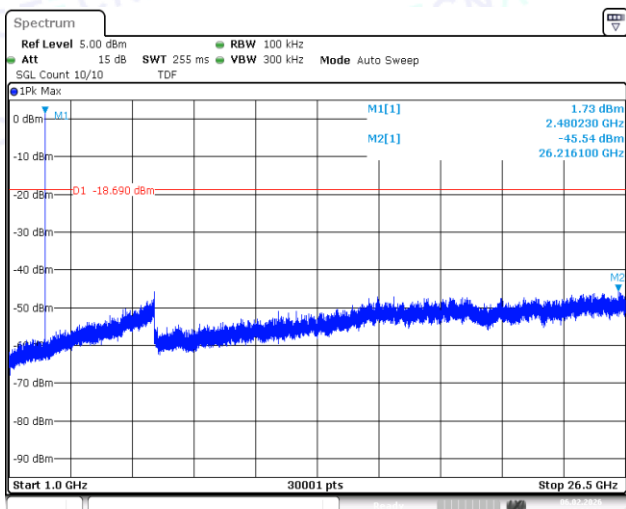
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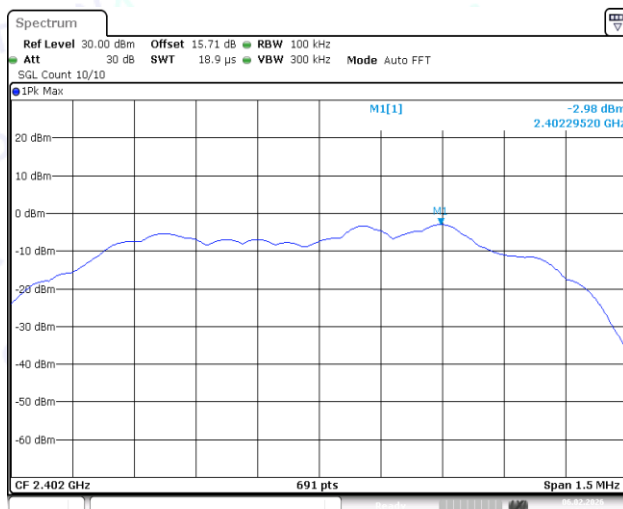
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DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



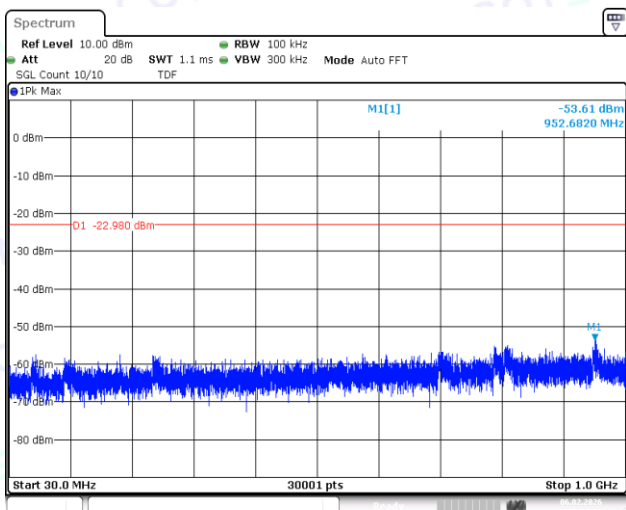
Date: 6.FEB.2026 15:20:29



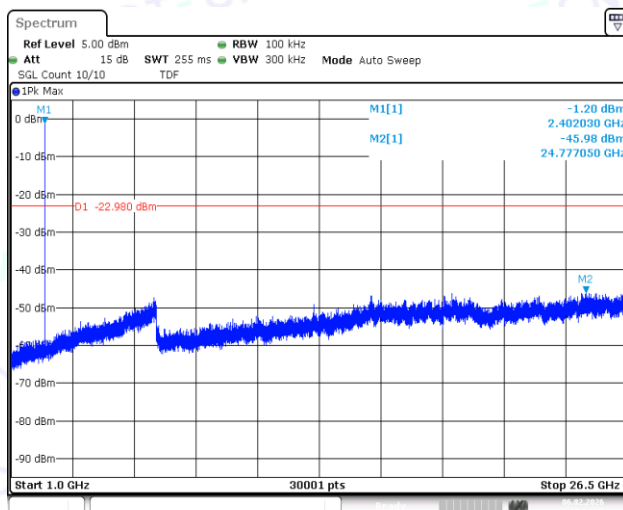
Date: 6.FEB.2026 15:24:21

DH5-Ant1-2480-1000~26500-PASS

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



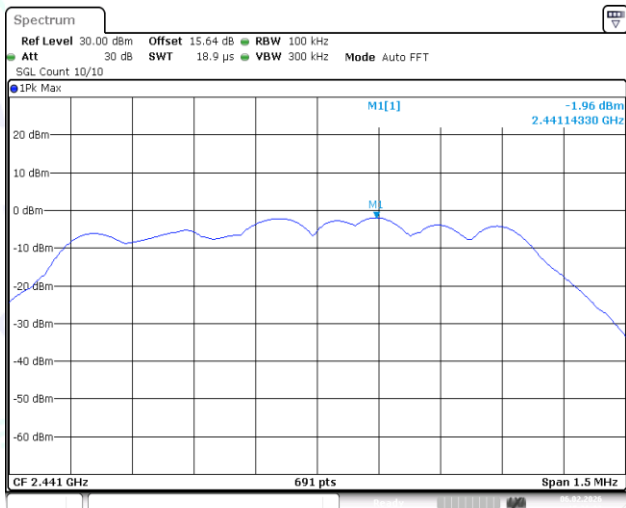
Date: 6.FEB.2026 15:24:29



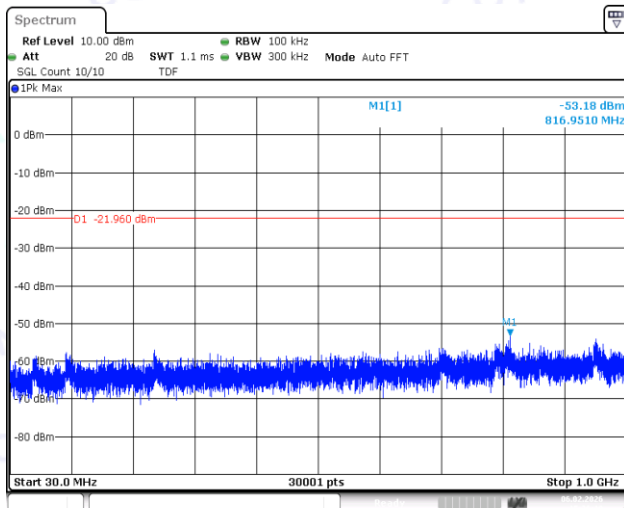
Date: 6.FEB.2026 15:24:46

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

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



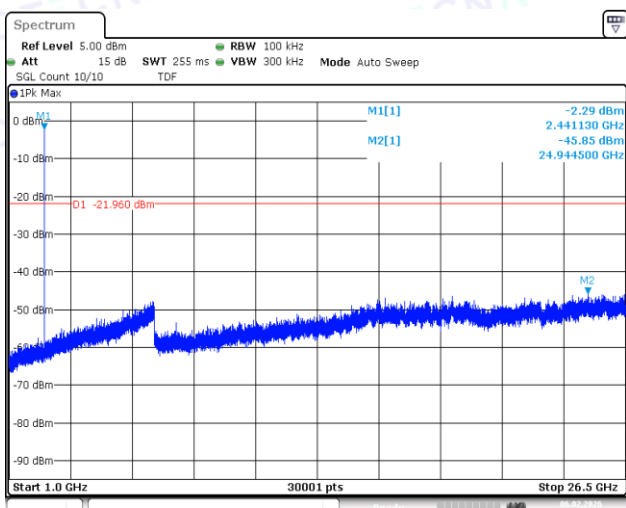
Date: 6.FEB.2026 15:26:03



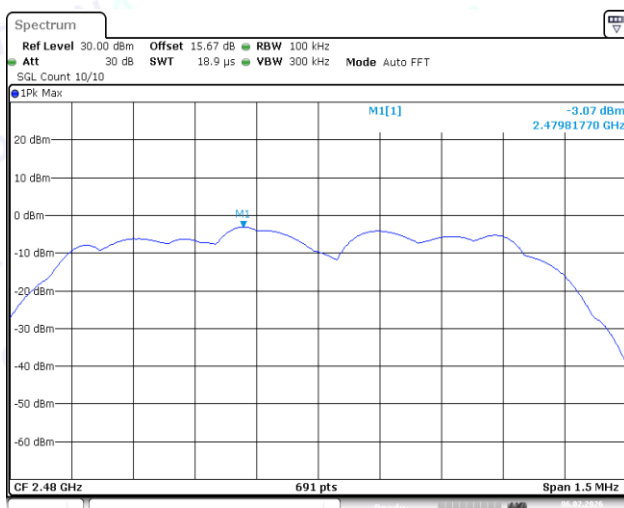
Date: 6.FEB.2026 15:26:11

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

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



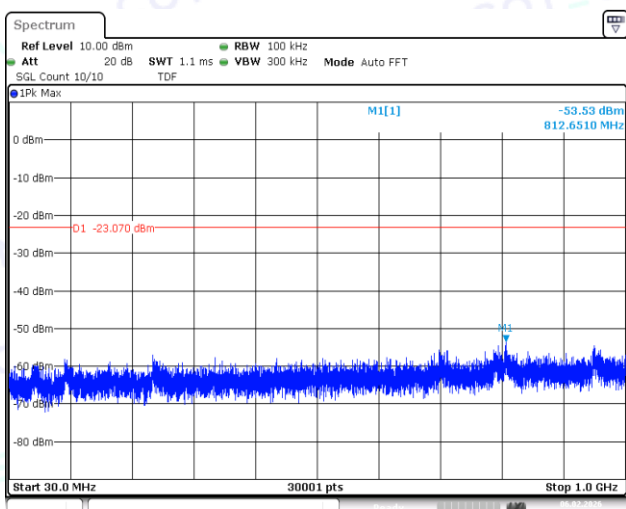
Date: 6.FEB.2026 15:26:28



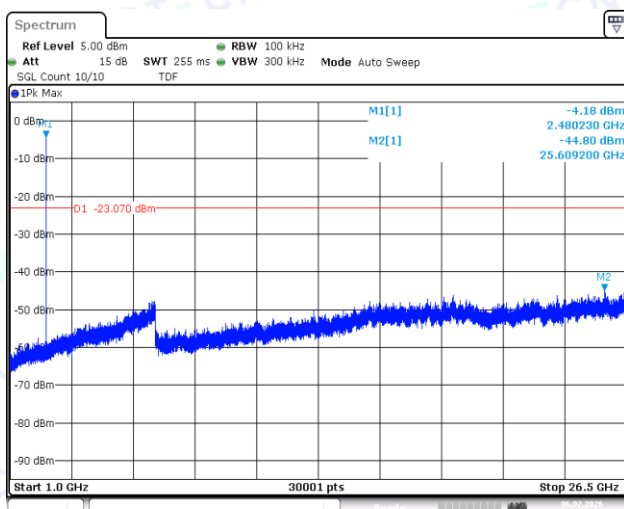
Date: 6.FEB.2026 15:44:24

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

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



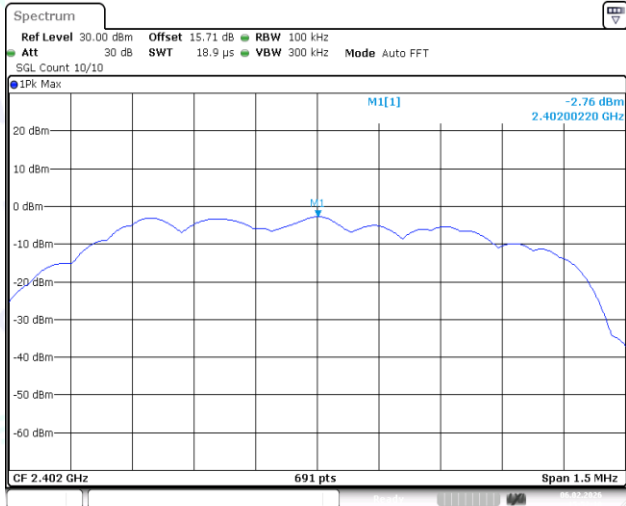
Date: 6.FEB.2026 15:44:32



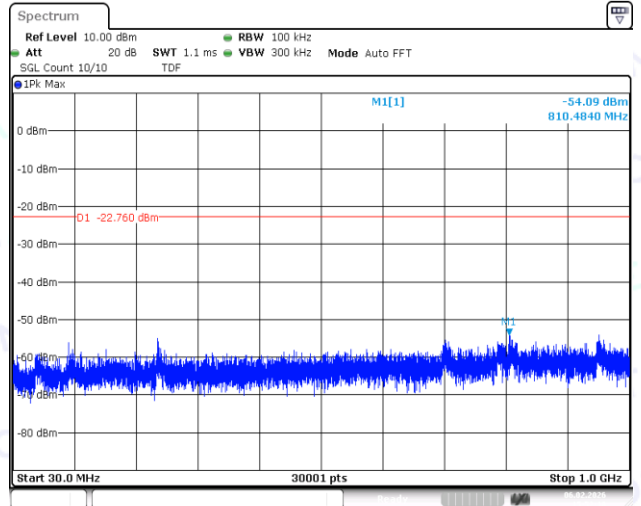
Date: 6.FEB.2026 15:44:49

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

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

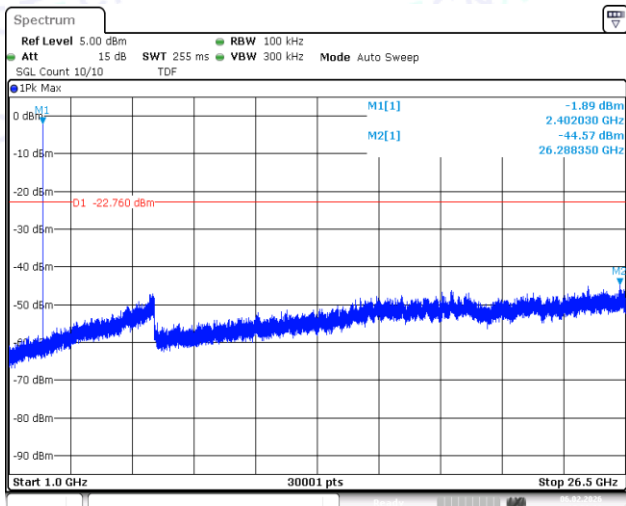


Date: 6.FEB.2026 15:52:11

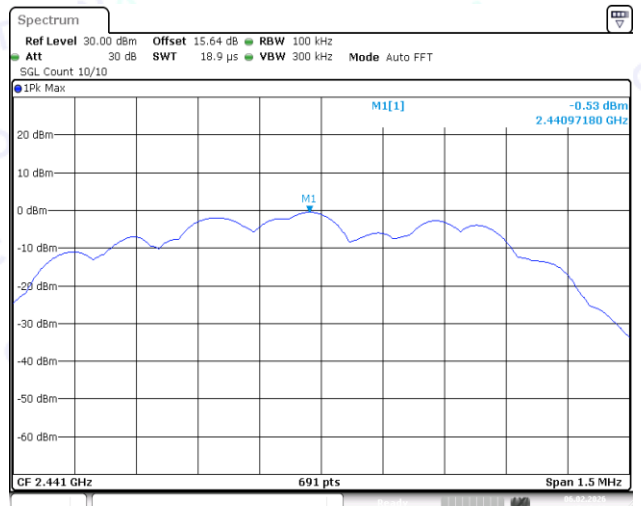


Date: 6.FEB.2026 15:52:18

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

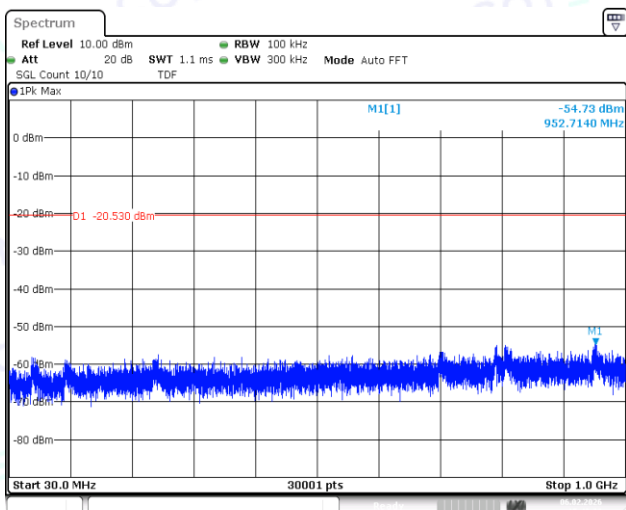


Date: 6.FEB.2026 15:52:36

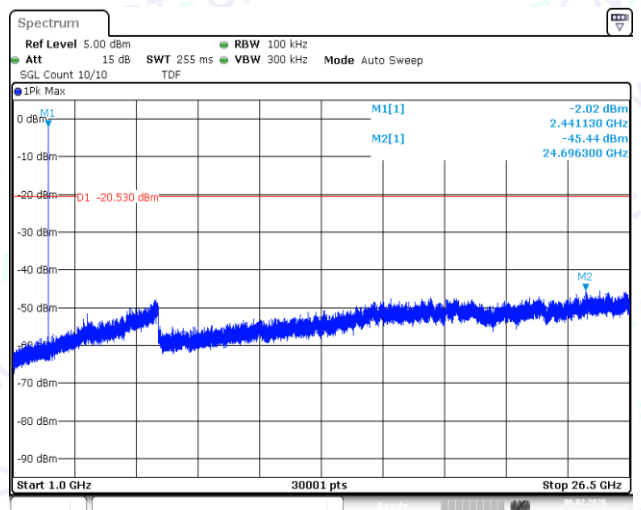


Date: 6.FEB.2026 15:49:16

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



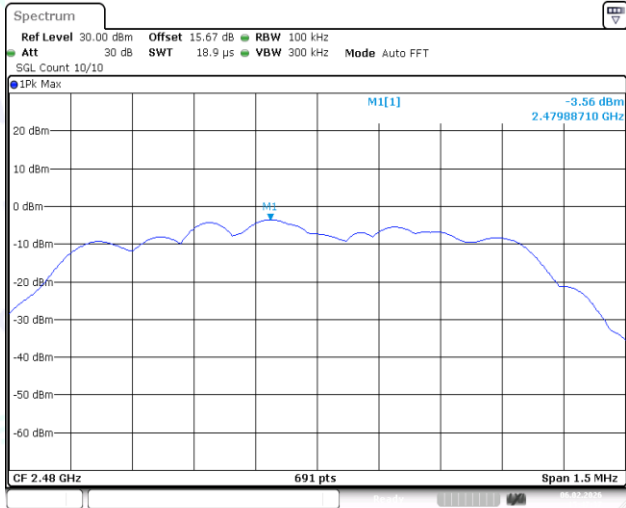
Date: 6.FEB.2026 15:49:23



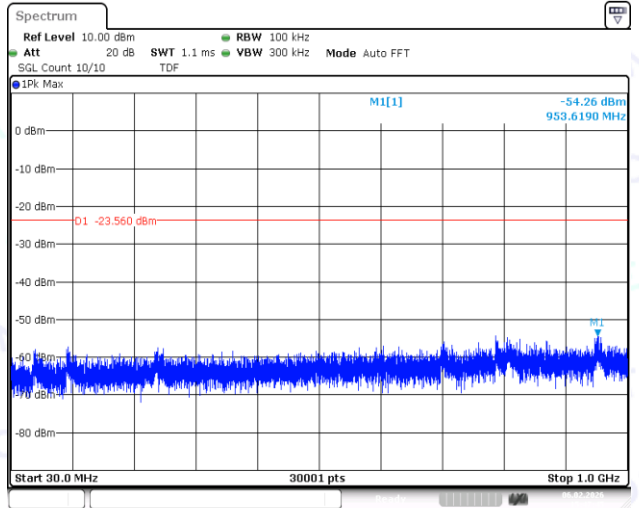
Date: 6.FEB.2026 15:49:41

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

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



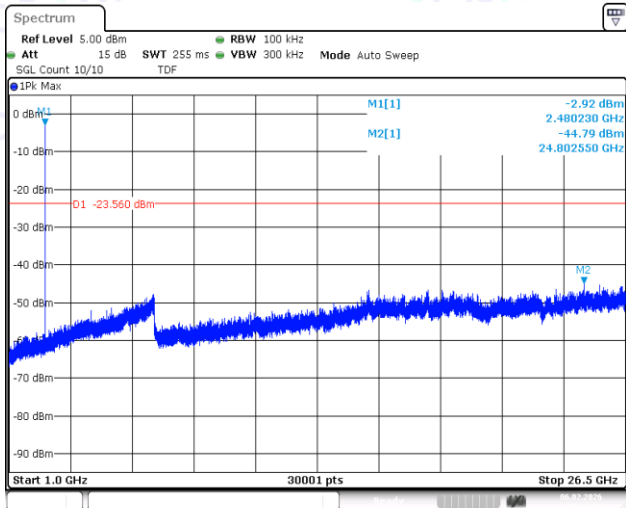
Date: 6.FEB.2026 15:47:38



Date: 6.FEB.2026 15:47:45

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

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



Date: 6.FEB.2026 15:48:03

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

9: Duty Cycle

9.1 Test Result

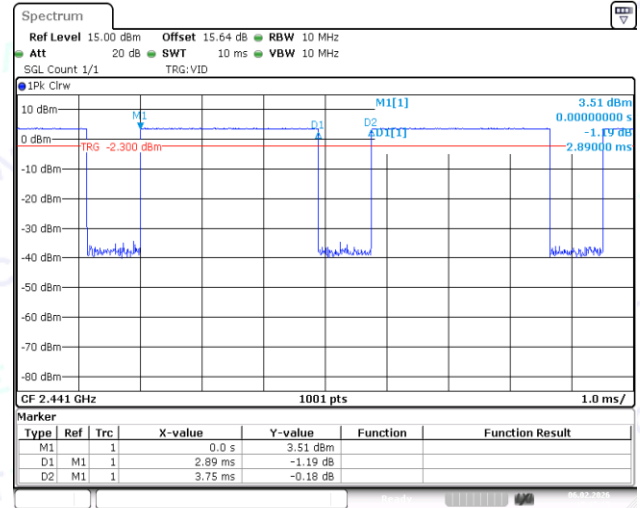
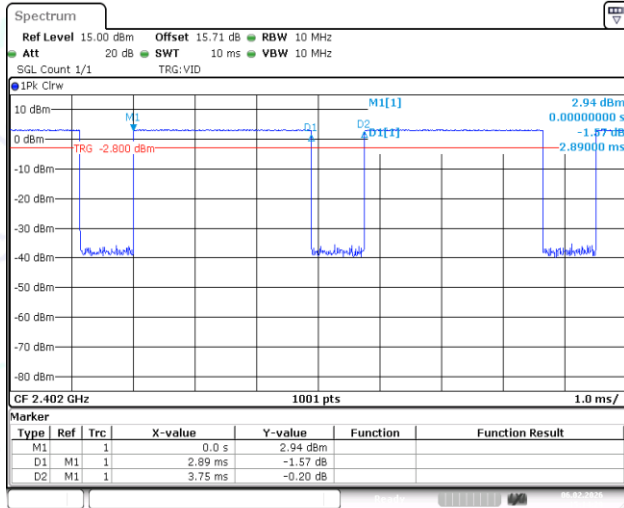
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor	1/T [kHz]
DH5	Ant1	2402	2.89	3.75	77.07	1.13	0.35
DH5	Ant1	2441	2.89	3.75	77.07	1.13	0.35
DH5	Ant1	2480	2.89	3.76	76.86	1.14	0.35
2DH5	Ant1	2402	2.89	3.76	76.86	1.14	0.35
2DH5	Ant1	2441	2.89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

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

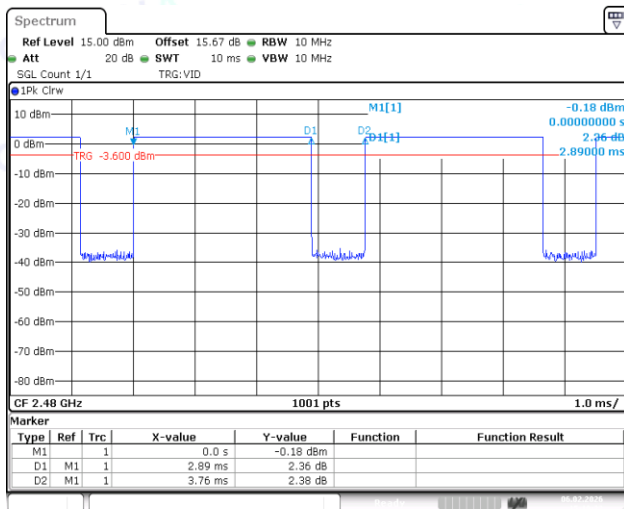
2, DC Factor= $10 \cdot \log_{10}(1/\text{Duty Cycle})$

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

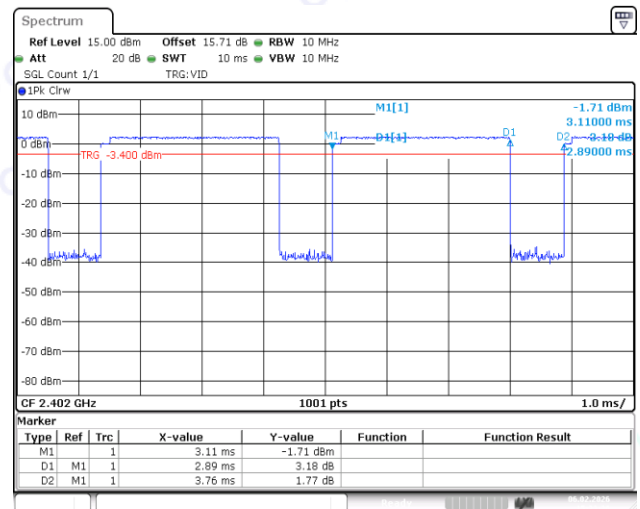
9.2 Test Graphs



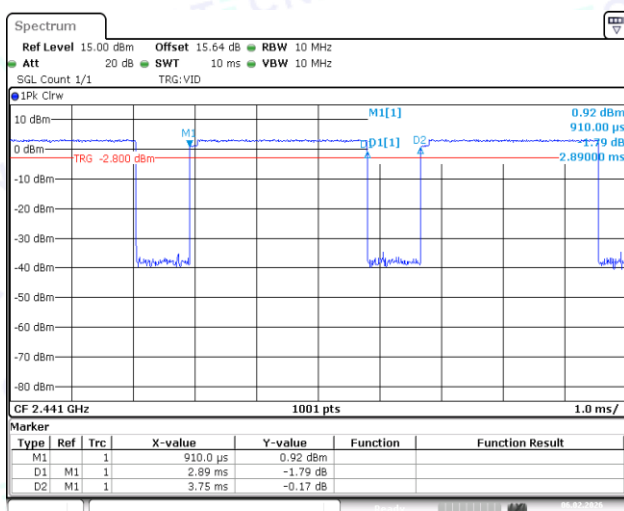
NTNV-DH5-Ant1-2402



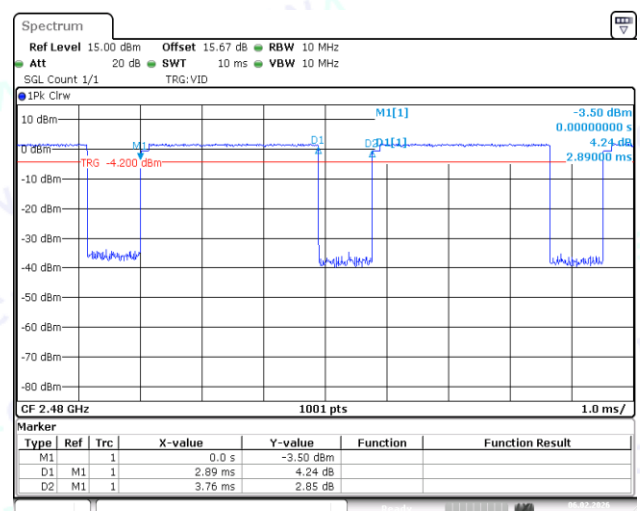
NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

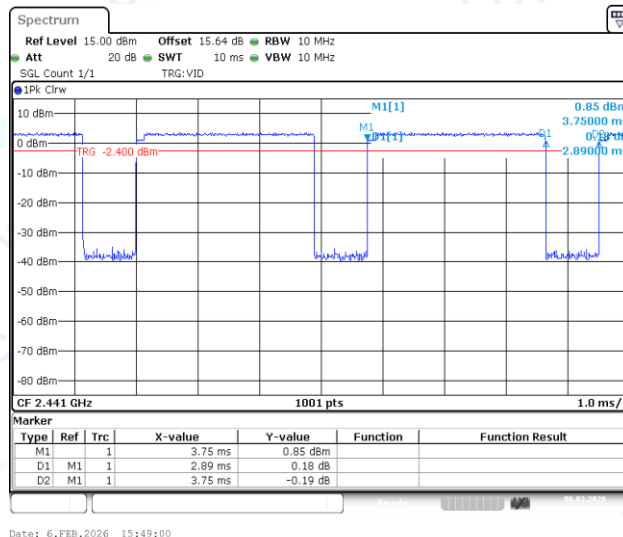
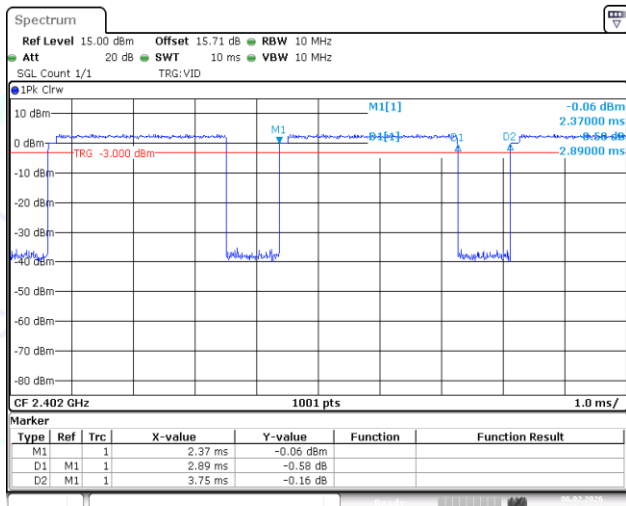


NTNV-2DH5-Ant1-2402

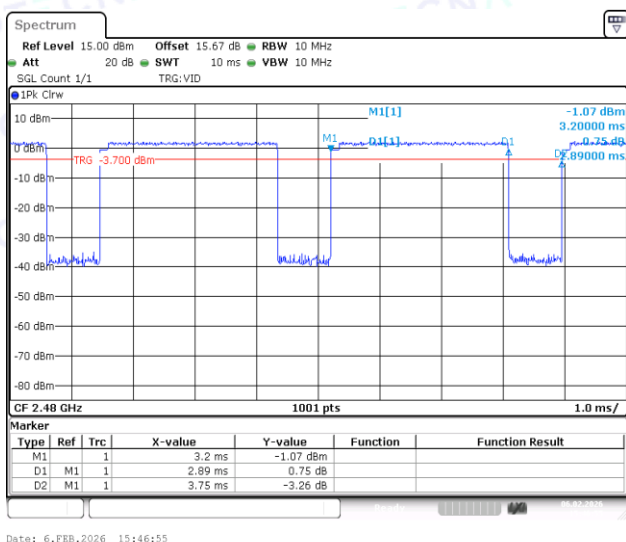


NTNV-2DH5-Ant1-2441

NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441

NTNV-3DH5-Ant1-2480

10: Emissions in Restricted Bands

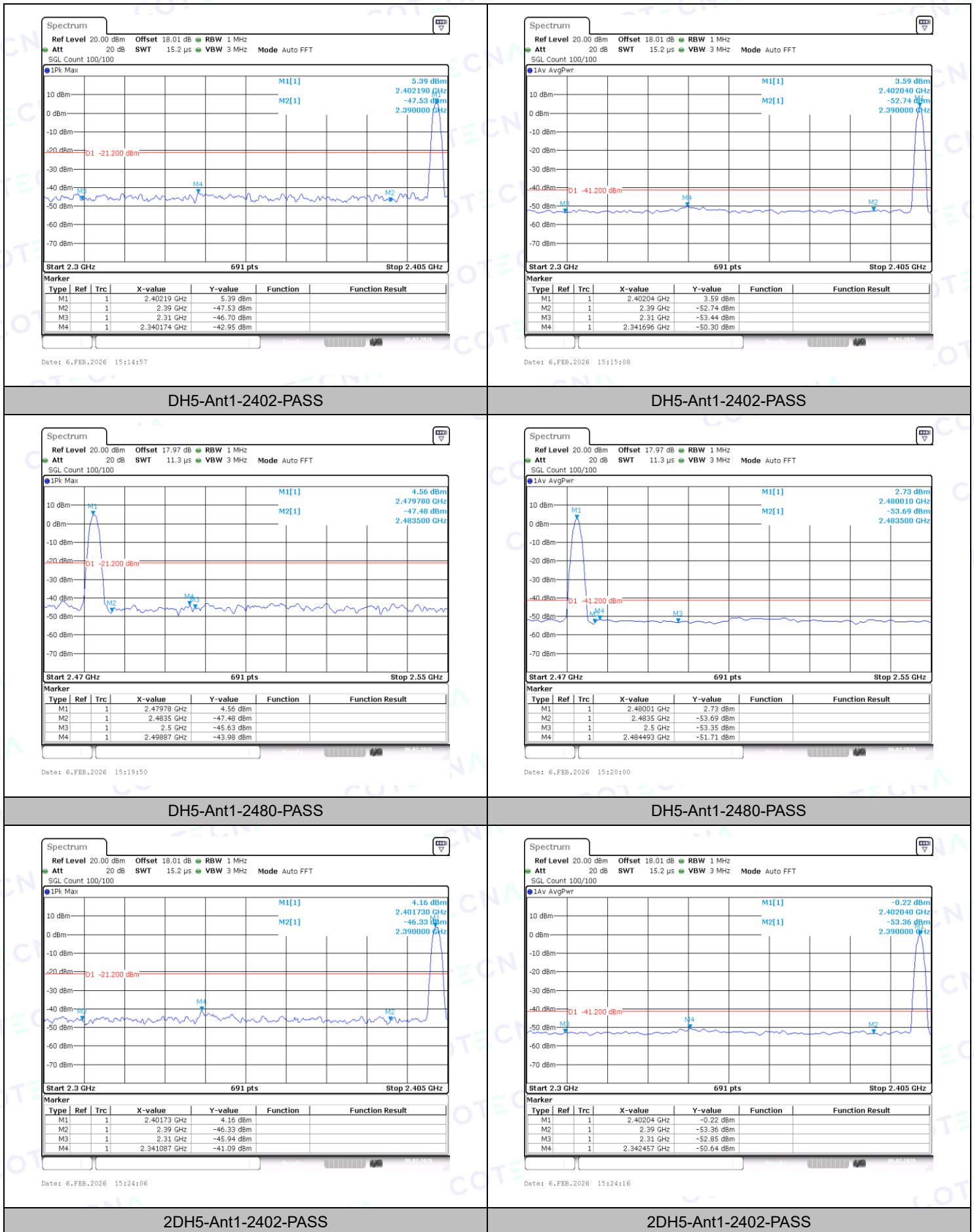
10.1 Test Result

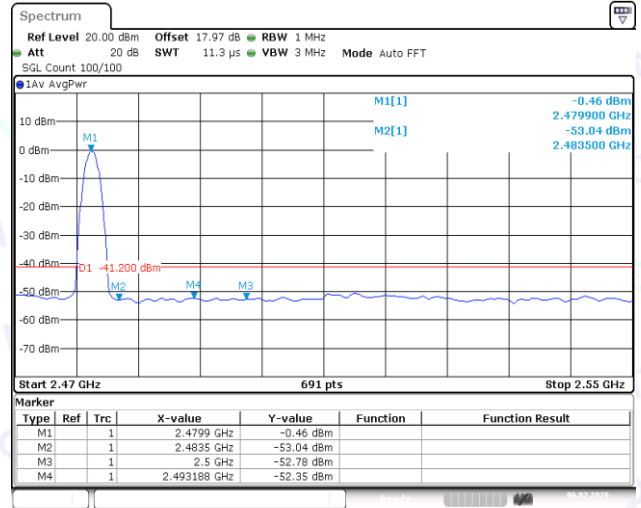
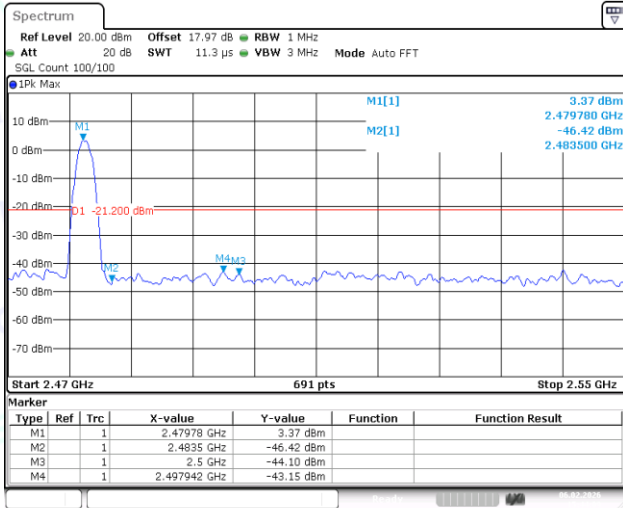
Test Mode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	Peak	2390.000	-47.53	≤-21.20	47.67	≤74	PASS
DH5	Ant1	Low	2402	Peak	2310.000	-46.7	≤-21.20	48.50	≤74	PASS
DH5	Ant1	Low	2402	Peak	2340.174	-42.95	≤-21.20	52.25	≤74	PASS
DH5	Ant1	Low	2402	AV	2390.000	-52.74	≤-41.20	42.46	≤54	PASS
DH5	Ant1	Low	2402	AV	2310.000	-53.44	≤-41.20	41.76	≤54	PASS
DH5	Ant1	Low	2402	AV	2341.696	-50.3	≤-41.20	44.90	≤54	PASS
DH5	Ant1	High	2480	Peak	2483.500	-47.48	≤-21.20	47.72	≤74	PASS
DH5	Ant1	High	2480	Peak	2500.000	-45.63	≤-21.20	49.57	≤74	PASS
DH5	Ant1	High	2480	Peak	2498.870	-43.98	≤-21.20	51.22	≤74	PASS
DH5	Ant1	High	2480	AV	2483.500	-53.69	≤-41.20	41.51	≤54	PASS
DH5	Ant1	High	2480	AV	2500.000	-53.35	≤-41.20	41.85	≤54	PASS
DH5	Ant1	High	2480	AV	2484.493	-51.71	≤-41.20	43.49	≤54	PASS
2DH5	Ant1	Low	2402	Peak	2390.000	-46.33	≤-21.20	48.87	≤74	PASS
2DH5	Ant1	Low	2402	Peak	2310.000	-45.94	≤-21.20	49.26	≤74	PASS
2DH5	Ant1	Low	2402	Peak	2341.087	-41.09	≤-21.20	54.11	≤74	PASS
2DH5	Ant1	Low	2402	AV	2390.000	-53.36	≤-41.20	41.84	≤54	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-52.85	≤-41.20	42.35	≤54	PASS
2DH5	Ant1	Low	2402	AV	2342.457	-50.64	≤-41.20	44.56	≤54	PASS
2DH5	Ant1	High	2480	Peak	2483.500	-46.42	≤-21.20	48.78	≤74	PASS
2DH5	Ant1	High	2480	Peak	2500.000	-44.1	≤-21.20	51.10	≤74	PASS
2DH5	Ant1	High	2480	Peak	2497.942	-43.15	≤-21.20	52.05	≤74	PASS
2DH5	Ant1	High	2480	AV	2483.500	-53.04	≤-41.20	42.16	≤54	PASS
2DH5	Ant1	High	2480	AV	2500.000	-52.78	≤-41.20	42.42	≤54	PASS
2DH5	Ant1	High	2480	AV	2493.188	-52.35	≤-41.20	42.85	≤54	PASS
3DH5	Ant1	Low	2402	Peak	2390.000	-47.82	≤-21.20	47.38	≤74	PASS
3DH5	Ant1	Low	2402	Peak	2310.000	-46.36	≤-21.20	48.84	≤74	PASS
3DH5	Ant1	Low	2402	Peak	2344.891	-41.33	≤-21.20	53.87	≤74	PASS
3DH5	Ant1	Low	2402	AV	2390.000	-53.33	≤-41.20	41.87	≤54	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-53.13	≤-41.20	42.07	≤54	PASS
3DH5	Ant1	Low	2402	AV	2342.761	-50.46	≤-41.20	44.74	≤54	PASS
3DH5	Ant1	High	2480	Peak	2483.500	-47.01	≤-21.20	48.19	≤74	PASS
3DH5	Ant1	High	2480	Peak	2500.000	-46.01	≤-21.20	49.19	≤74	PASS
3DH5	Ant1	High	2480	Peak	2484.841	-43.16	≤-21.20	52.04	≤74	PASS
3DH5	Ant1	High	2480	AV	2483.500	-52.95	≤-41.20	42.25	≤54	PASS
3DH5	Ant1	High	2480	AV	2500.000	-53.06	≤-41.20	42.14	≤54	PASS
3DH5	Ant1	High	2480	AV	2498.406	-51.76	≤-41.20	43.44	≤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.

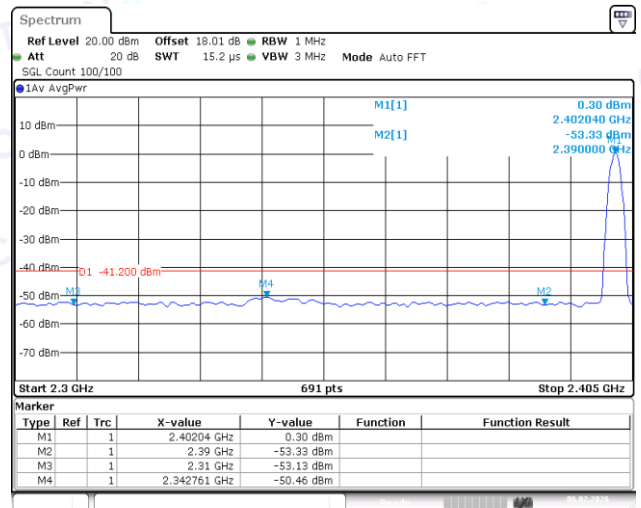
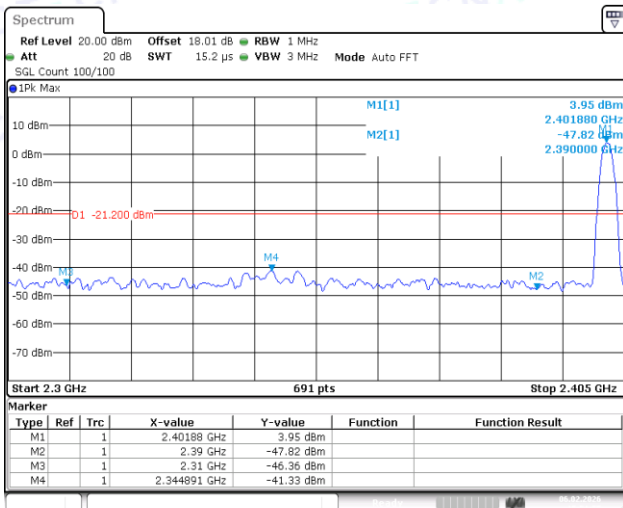
10.2 Test Graphs





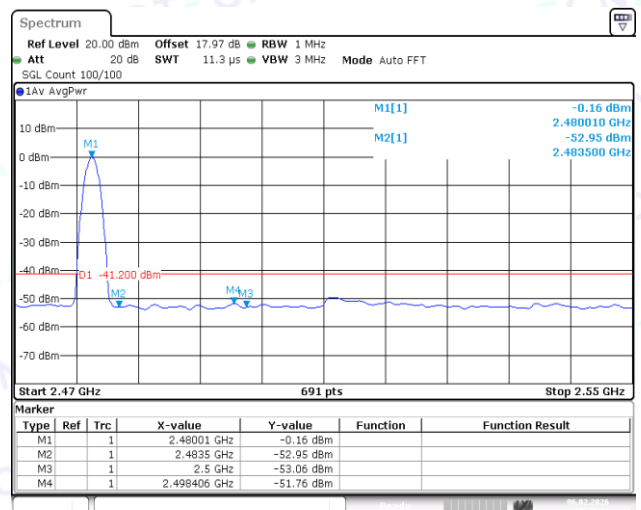
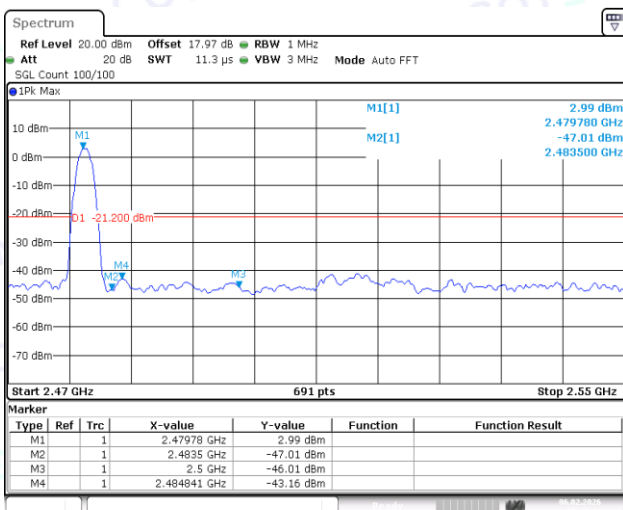
2DH5-Ant1-2480-PASS

2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS

3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS

3DH5-Ant1-2480-PASS

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