

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

General Description of EUT	
EUT Name:	Portable Gaming Computer(Tablet computer)
Model:	AYANEO Pocket ACE
Sample ID:	HC-C-202412-0243-01-01-2#
Test Standard:	FCC Part 15.247
Environmental Conditions	
Ambient Temperature:	25℃
Ambient Humidity:	45%RH
Test Power Supply:	DC 3.85V
Test Engineer:	Rick. chen
Note: For a more detailed features description, please refer to the report TBR-C-202412-0243-12	

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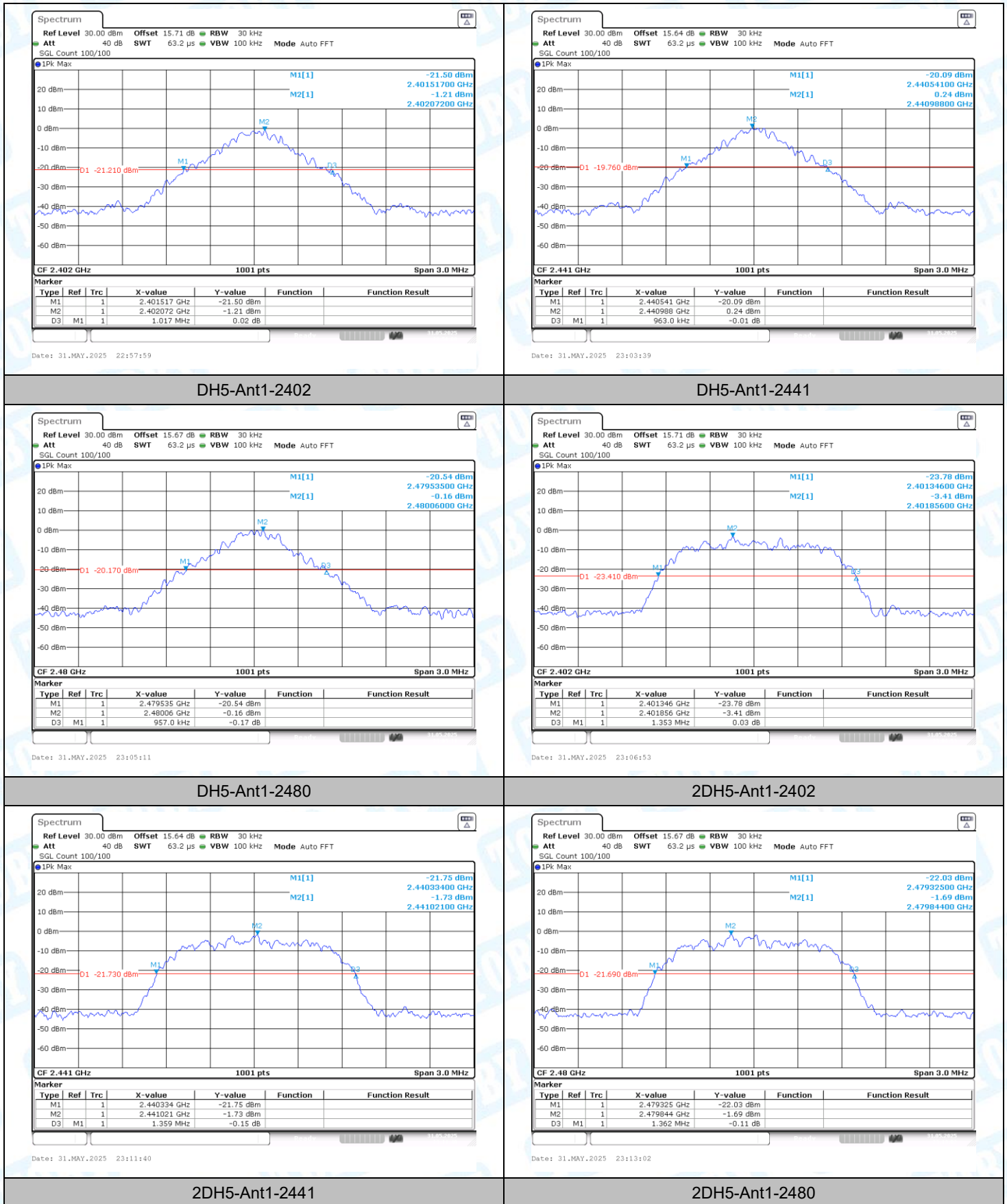
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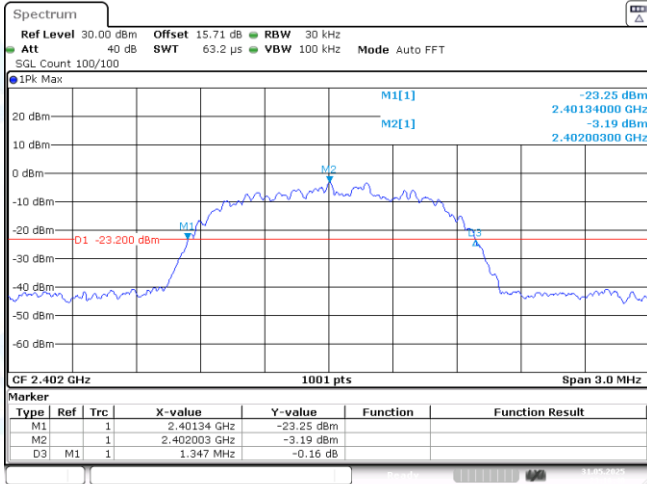
1: 20dB Emission Bandwidth

1.1 Test Result

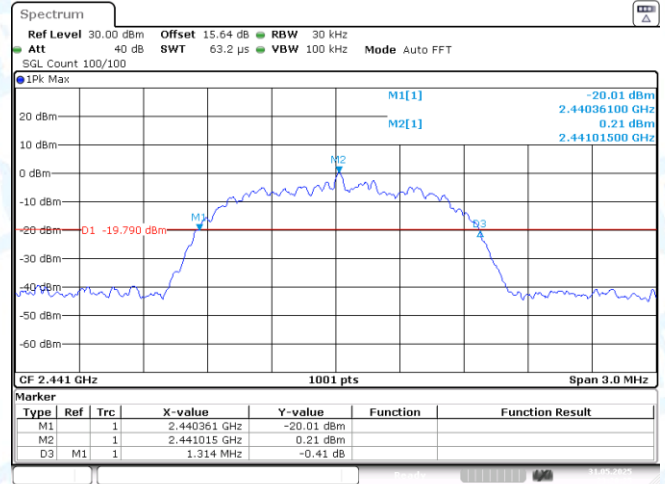
Test Mode	Antenna	Frequency[MHz]	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.02	2401.52	2402.53	---	---
DH5	Ant1	2441	0.96	2440.54	2441.50	---	---
DH5	Ant1	2480	0.96	2479.54	2480.49	---	---
2DH5	Ant1	2402	1.35	2401.35	2402.70	---	---
2DH5	Ant1	2441	1.36	2440.33	2441.69	---	---
2DH5	Ant1	2480	1.36	2479.32	2480.69	---	---
3DH5	Ant1	2402	1.35	2401.34	2402.69	---	---
3DH5	Ant1	2441	1.31	2440.36	2441.68	---	---
3DH5	Ant1	2480	1.31	2479.36	2480.66	---	---

1.2 Test Graphs

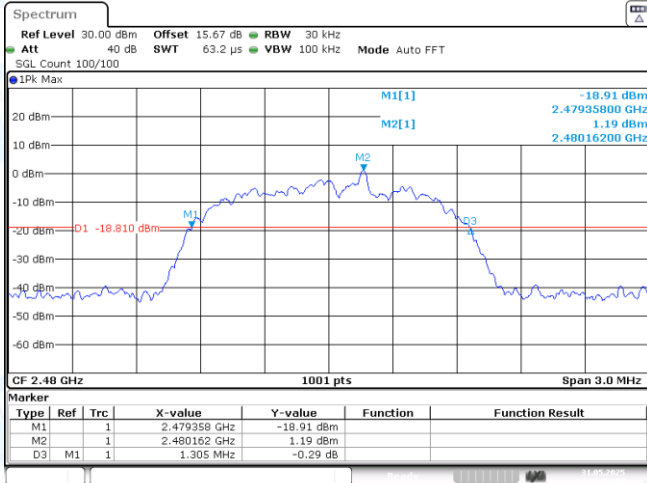




3DH5-Ant1-2402



3DH5-Ant1-2441



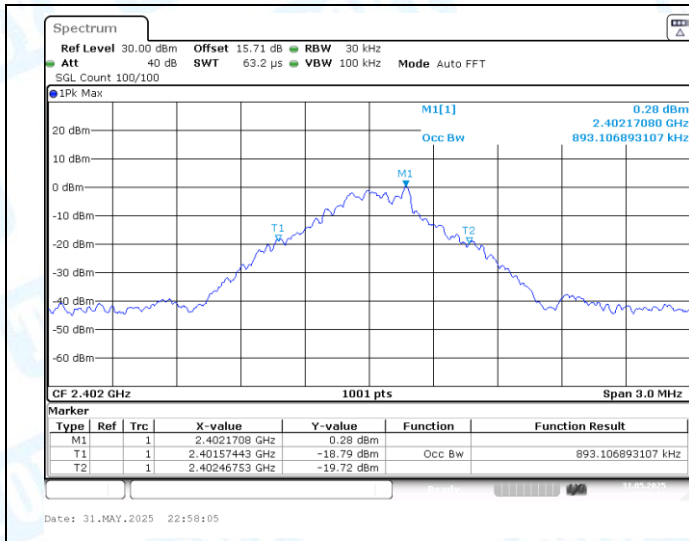
3DH5-Ant1-2480

2: Occupied Channel Bandwidth

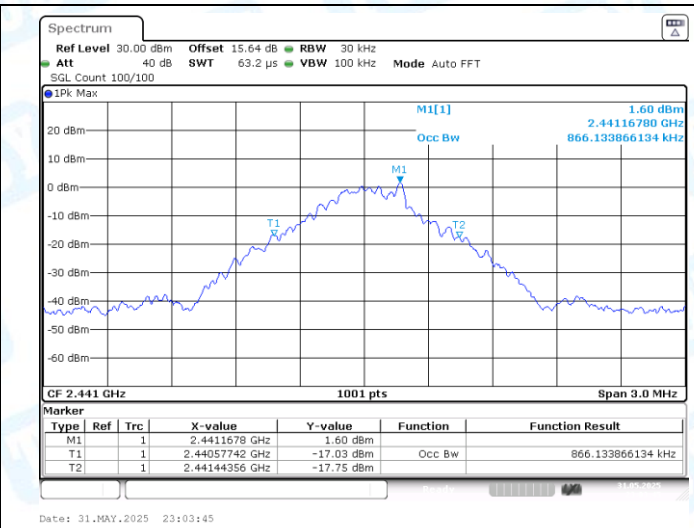
2.1 Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89311	2401.5744	2402.4675	---	---
DH5	Ant1	2441	0.86613	2440.5774	2441.4436	---	---
DH5	Ant1	2480	0.89610	2479.5594	2480.4555	---	---
2DH5	Ant1	2402	1.2168	2401.4096	2402.6264	---	---
2DH5	Ant1	2441	1.1958	2440.4156	2441.6114	---	---
2DH5	Ant1	2480	1.2018	2479.4066	2480.6084	---	---
3DH5	Ant1	2402	1.2048	2401.4126	2402.6174	---	---
3DH5	Ant1	2441	1.2078	2440.4066	2441.6144	---	---
3DH5	Ant1	2480	1.2078	2479.4006	2480.6084	---	---

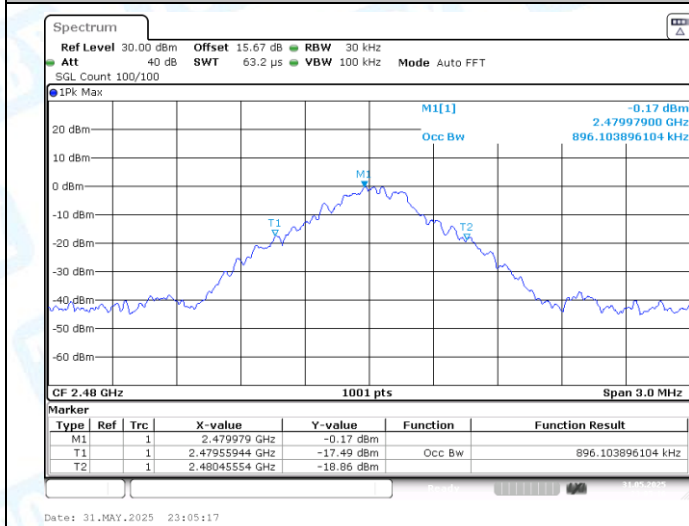
2.2 Test Graphs



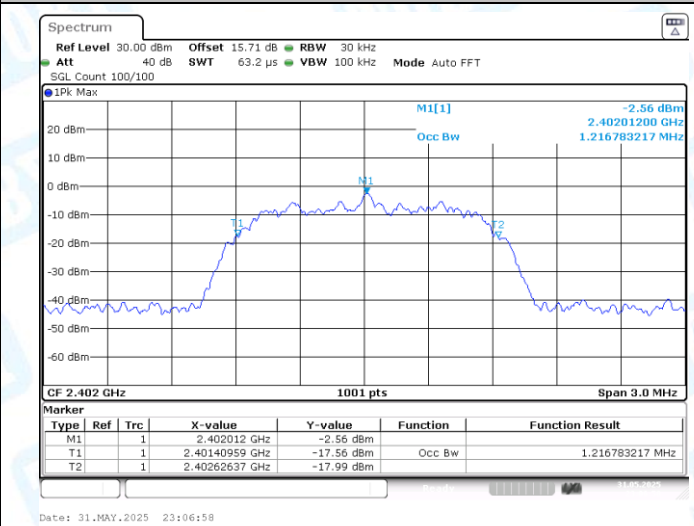
DH5-Ant1-2402



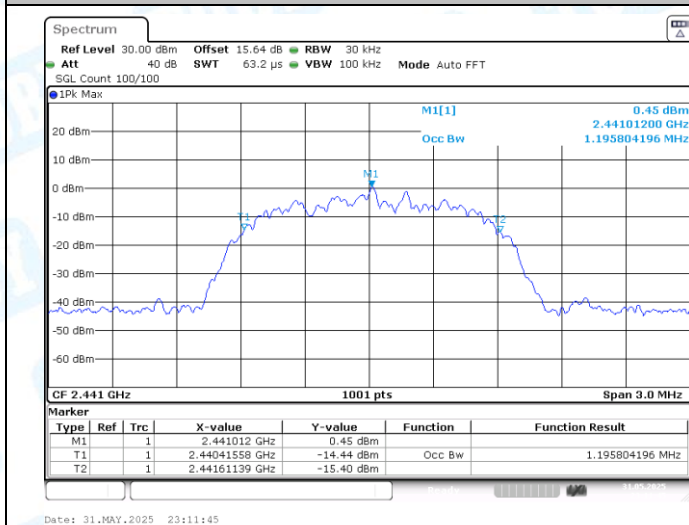
DH5-Ant1-2441



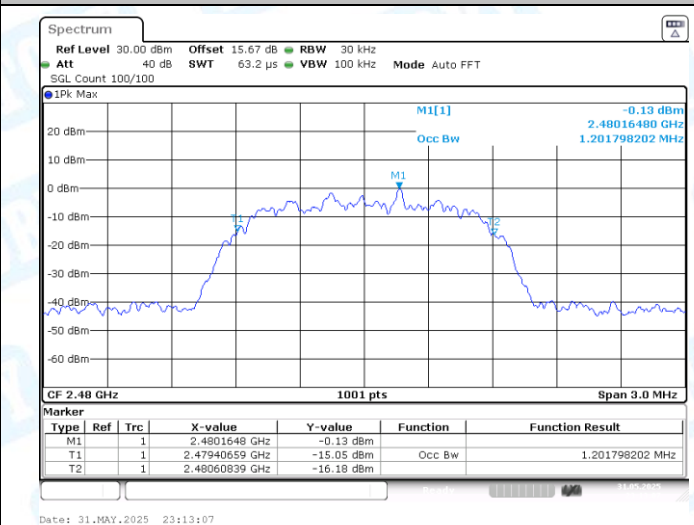
DH5-Ant1-2480



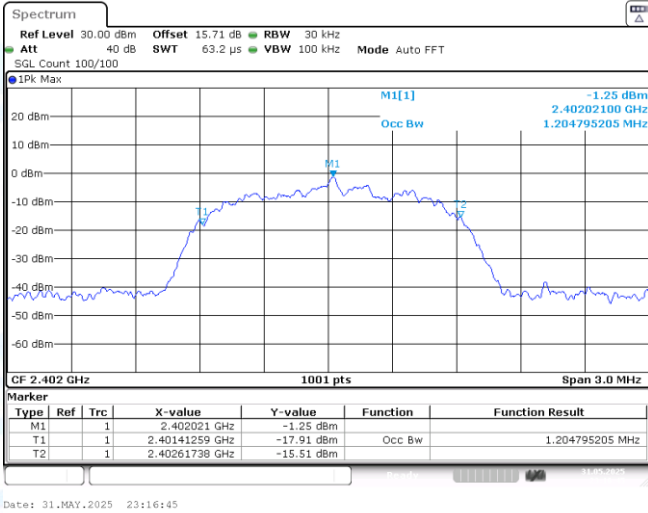
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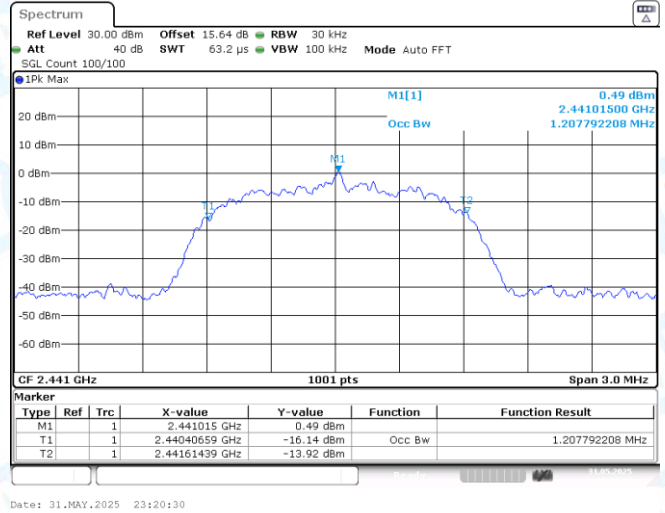
2DH5-Ant1-2441



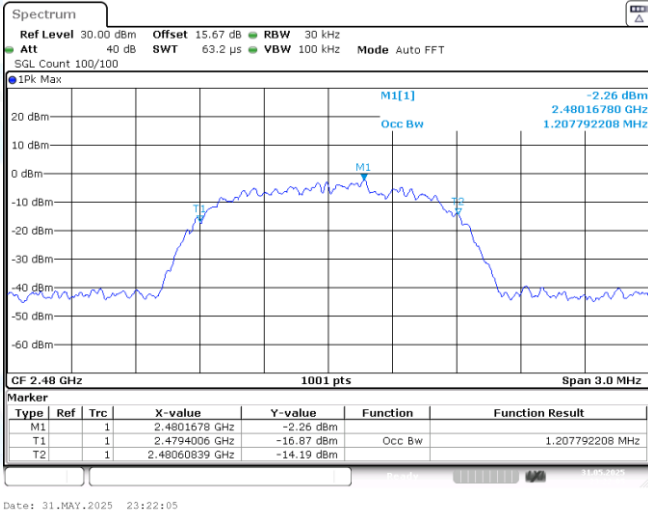
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



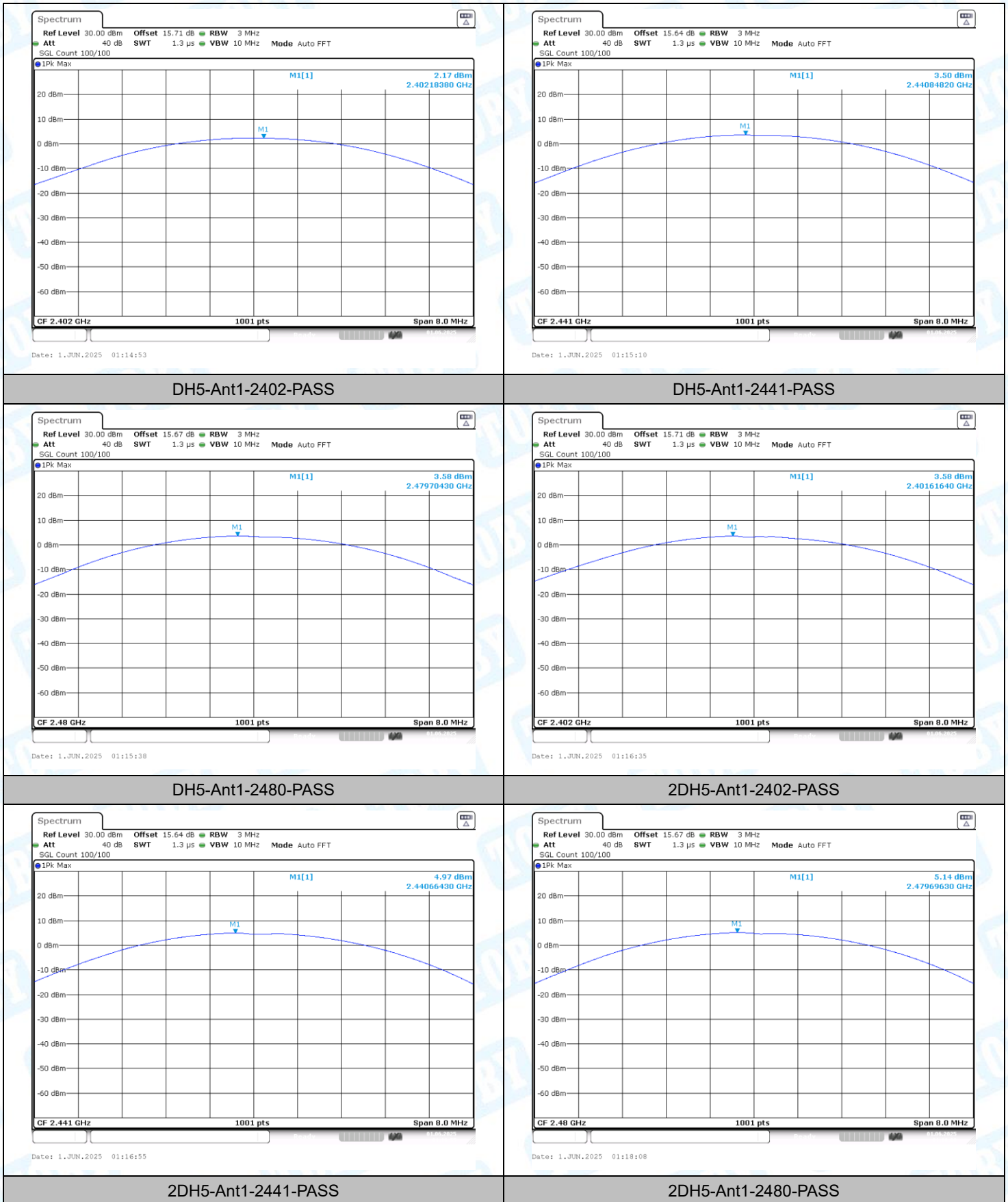
3DH5-Ant1-2480

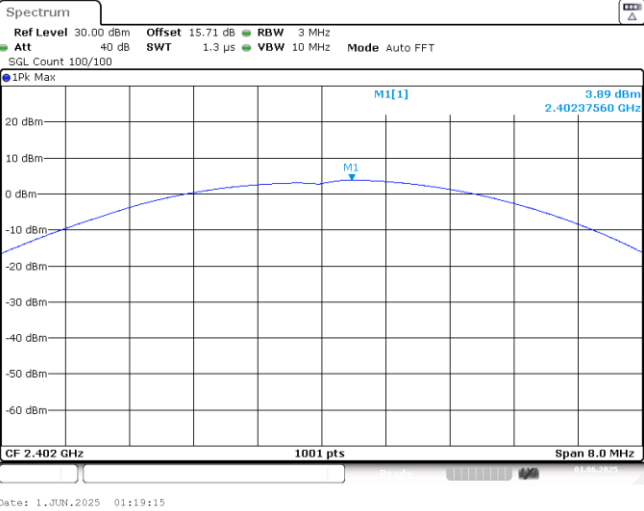
3: Maximum conducted output power

3.1 Test Result Peak

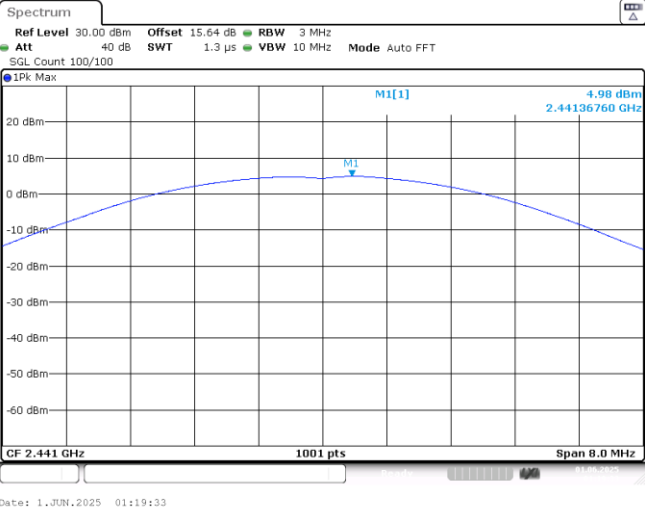
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.17	≤21	PASS
DH5	Ant1	2441	3.50	≤21	PASS
DH5	Ant1	2480	3.58	≤21	PASS
2DH5	Ant1	2402	3.58	≤21	PASS
2DH5	Ant1	2441	4.97	≤21	PASS
2DH5	Ant1	2480	5.14	≤21	PASS
3DH5	Ant1	2402	3.89	≤21	PASS
3DH5	Ant1	2441	4.98	≤21	PASS
3DH5	Ant1	2480	5.14	≤21	PASS

3.2 Test Graphs

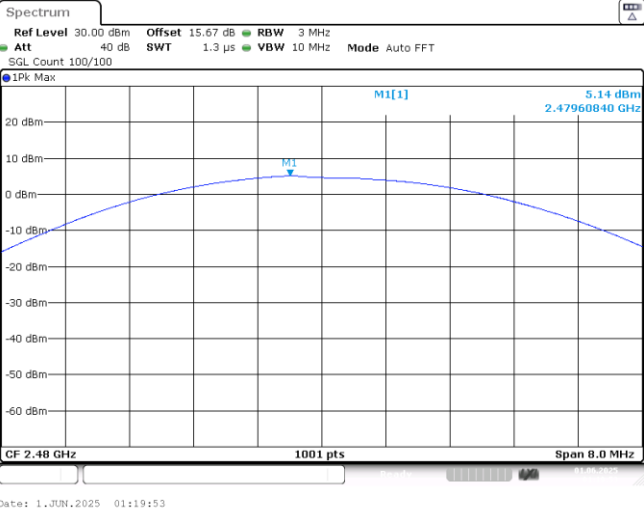




3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



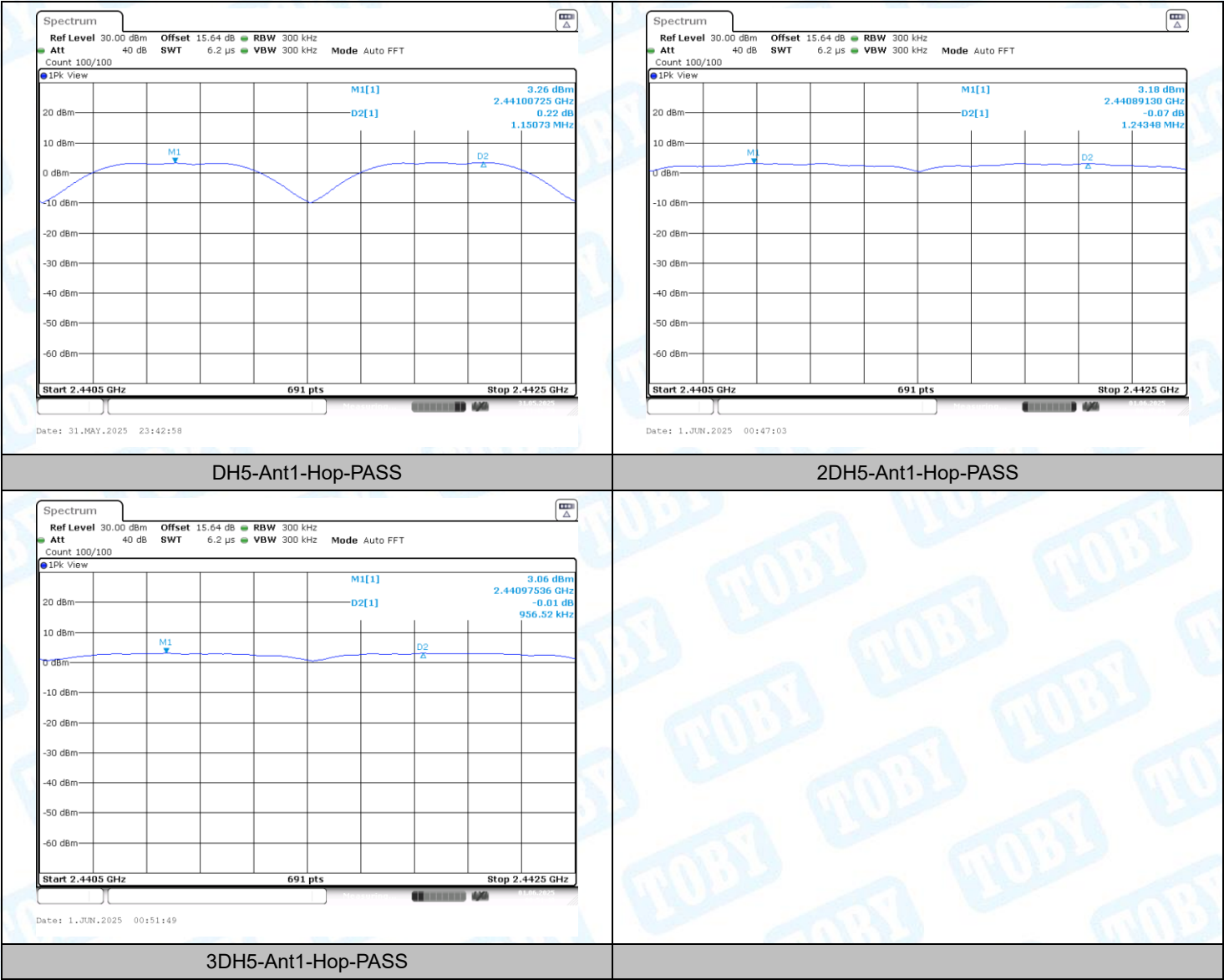
3DH5-Ant1-2480-PASS

4: Carrier frequency separation

4.1 Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.151	≥ 1.020	PASS
2DH5	Ant1	Hop	1.243	≥ 0.907	PASS
3DH5	Ant1	Hop	0.957	≥ 0.900	PASS

4.2 Test Graphs

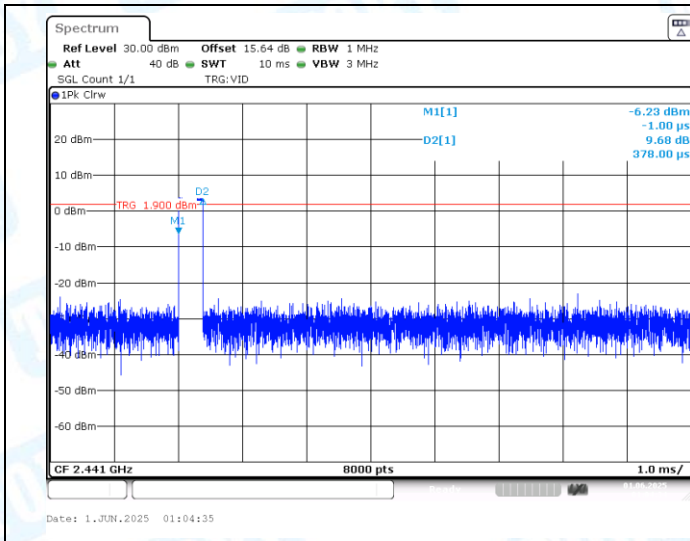


5: Time of occupancy

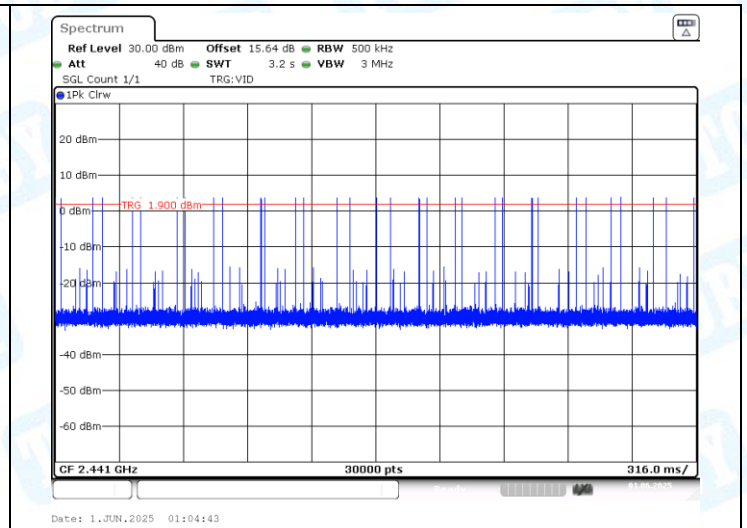
5.1 Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.378	330	0.125	≤0.4	PASS
DH3	Ant1	Hop	1.626	180	0.293	≤0.4	PASS
DH5	Ant1	Hop	2.867	100	0.287	≤0.4	PASS
2DH1	Ant1	Hop	0.384	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.628	140	0.228	≤0.4	PASS
2DH5	Ant1	Hop	2.869	100	0.287	≤0.4	PASS
3DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.629	150	0.244	≤0.4	PASS
3DH5	Ant1	Hop	2.872	130	0.373	≤0.4	PASS

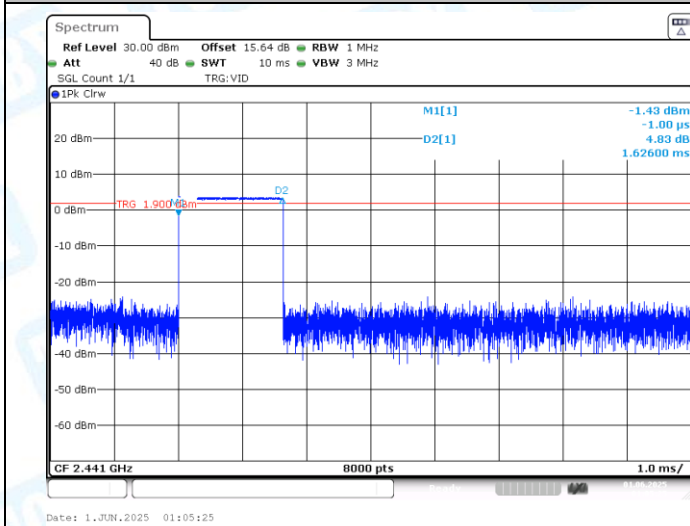
5.2 Test Graphs



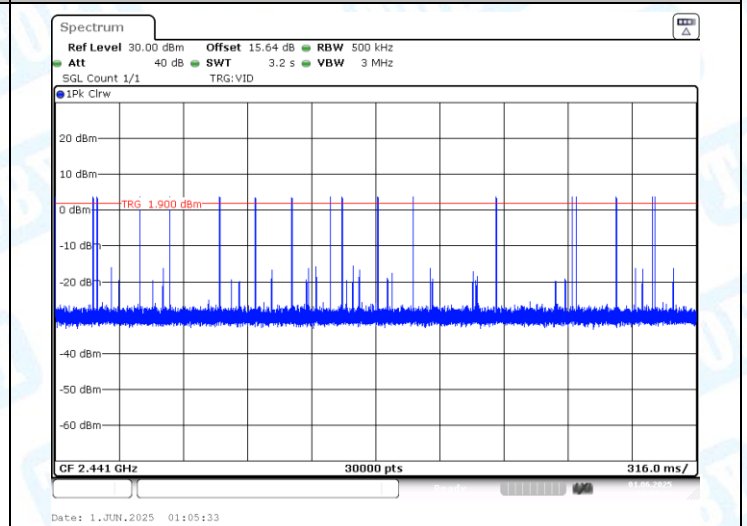
DH1-Ant1-Hop-PASS



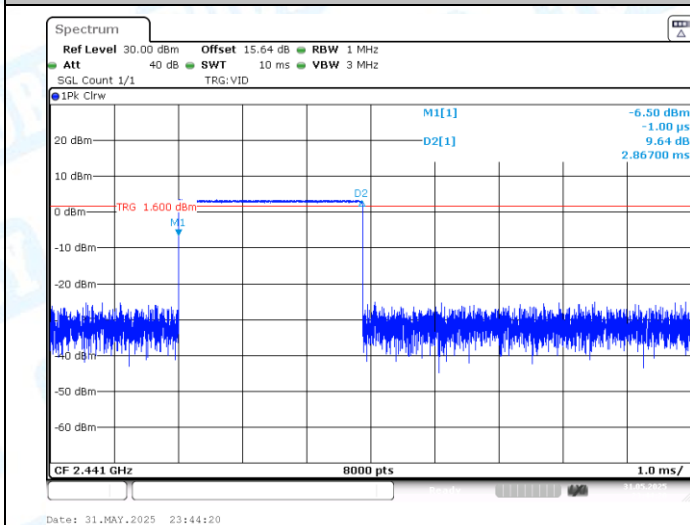
DH1-Ant1-Hop-PASS



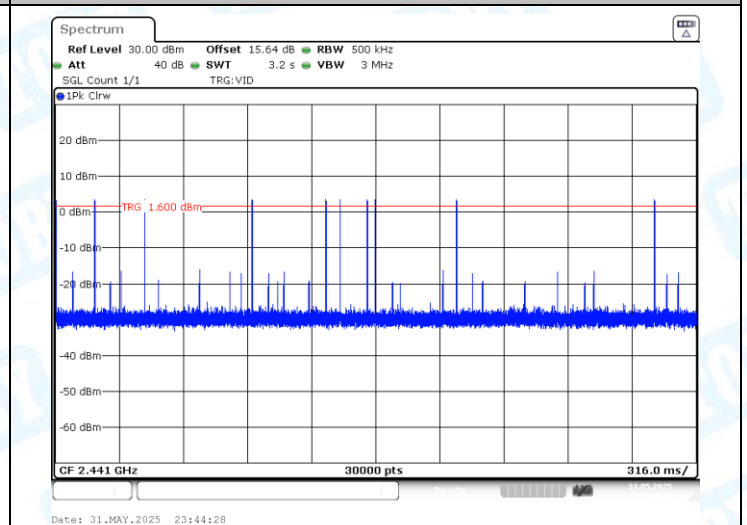
DH3-Ant1-Hop-PASS



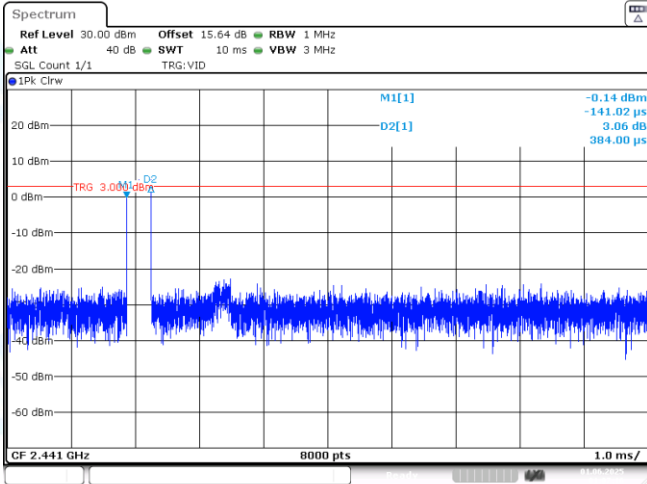
DH3-Ant1-Hop-PASS



DH5-Ant1-Hop-PASS

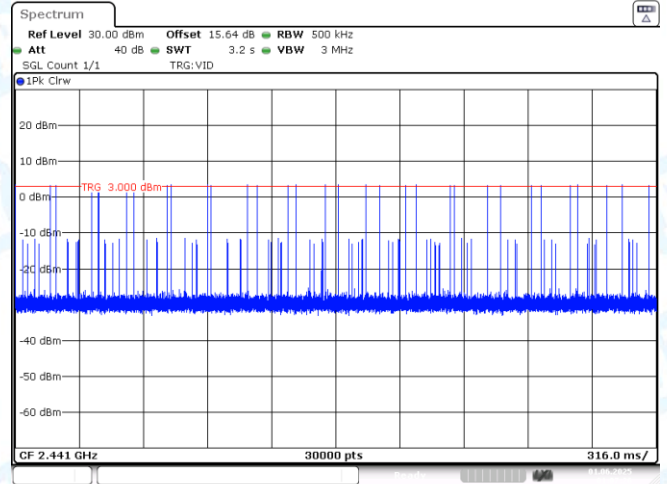


DH5-Ant1-Hop-PASS



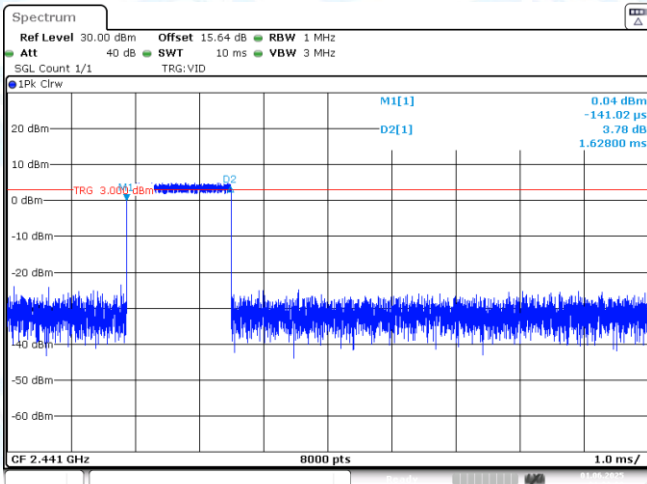
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2DH1-Ant1-Hop-PASS



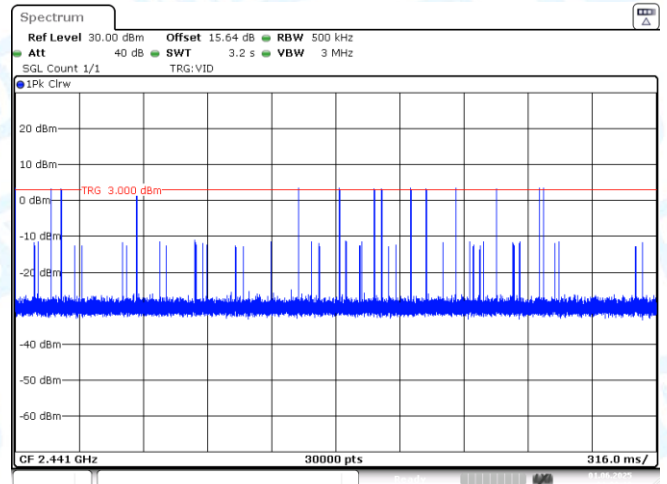
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2DH1-Ant1-Hop-PASS



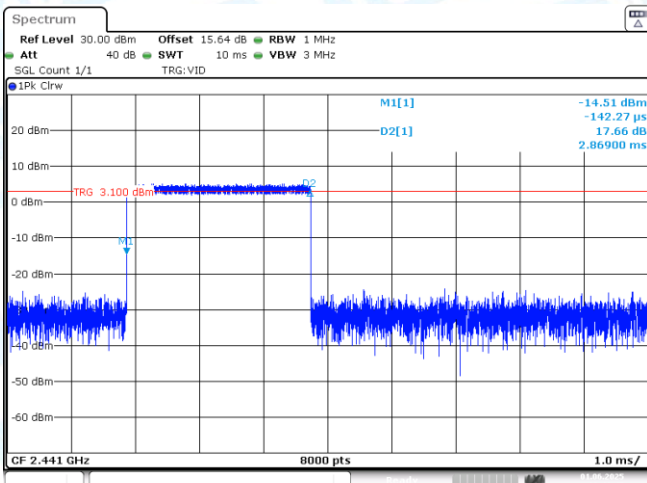
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2DH3-Ant1-Hop-PASS



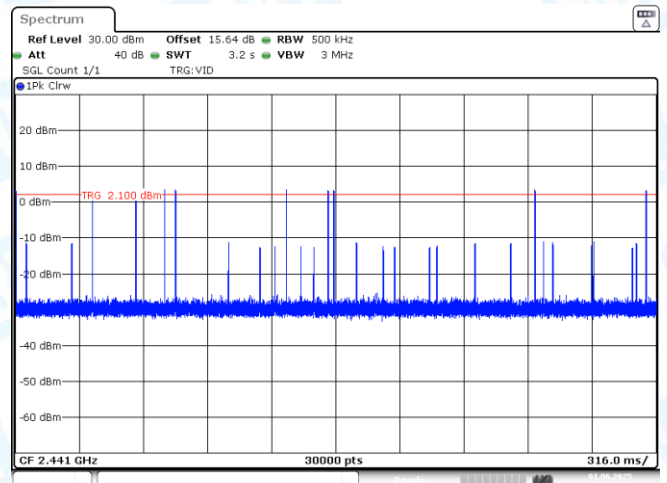
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2DH3-Ant1-Hop-PASS



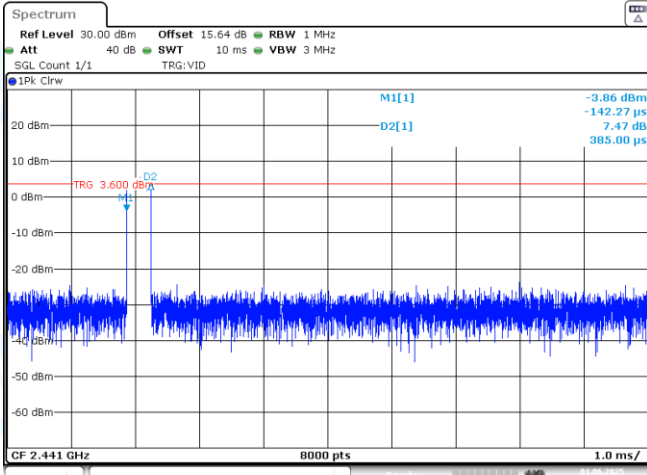
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2DH5-Ant1-Hop-PASS



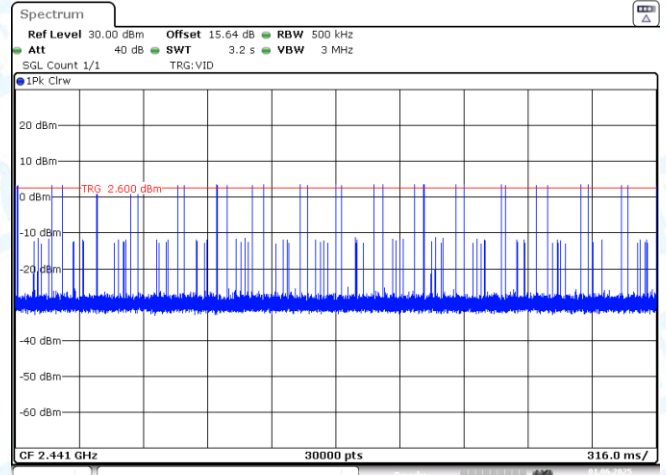
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2DH5-Ant1-Hop-PASS



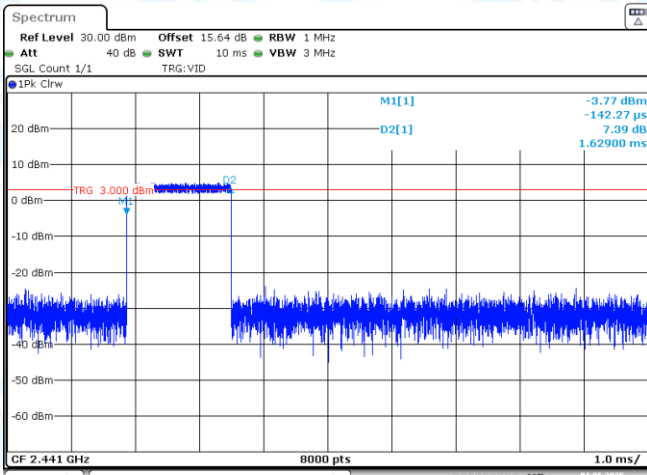
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3DH1-Ant1-Hop-PASS



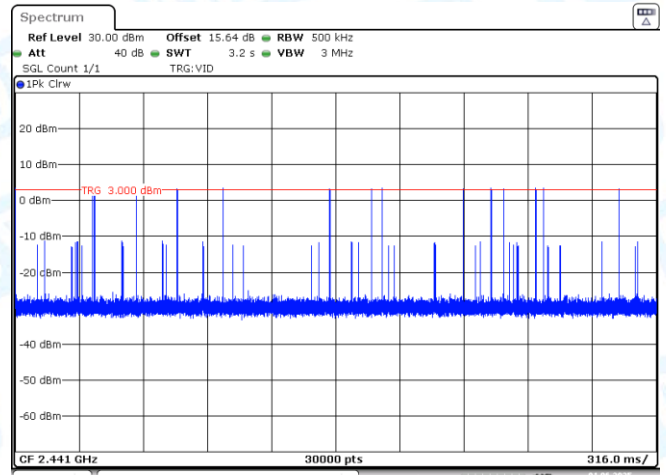
Date: 1.JUN.2025 01:11:11

3DH1-Ant1-Hop-PASS



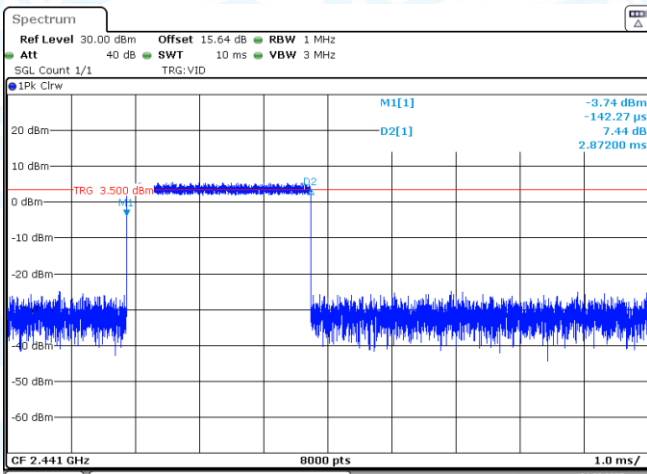
Date: 1.JUN.2025 01:13:39

3DH3-Ant1-Hop-PASS



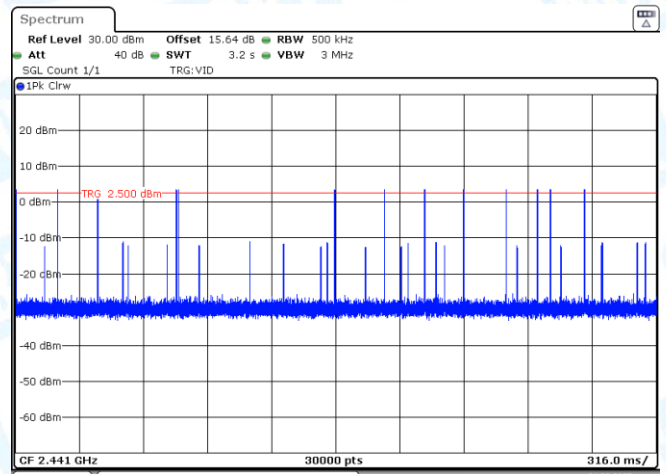
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3DH3-Ant1-Hop-PASS



Date: 1.JUN.2025 00:54:11

3DH5-Ant1-Hop-PASS



Date: 1.JUN.2025 00:54:25

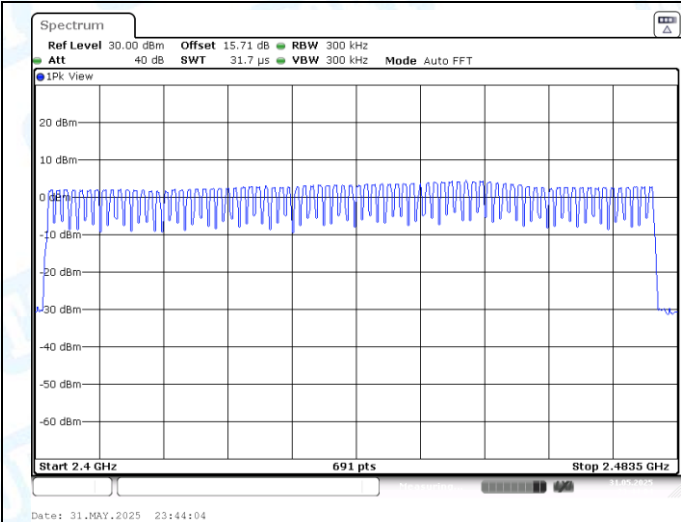
3DH5-Ant1-Hop-PASS

6: Number of hopping channels

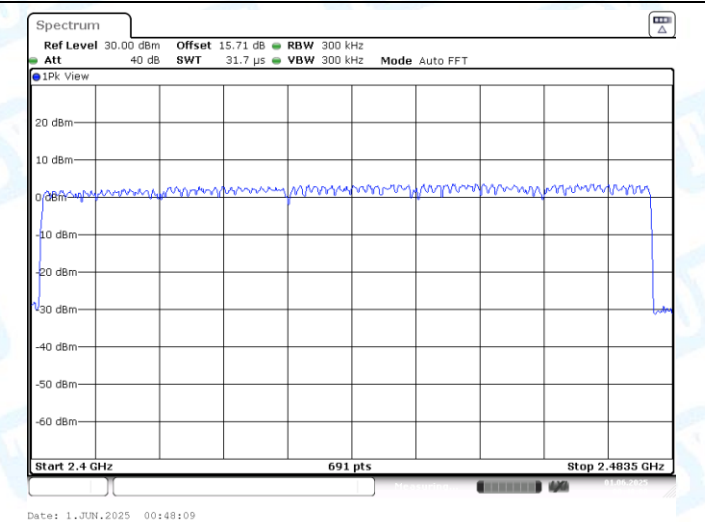
6.1 Test Result

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

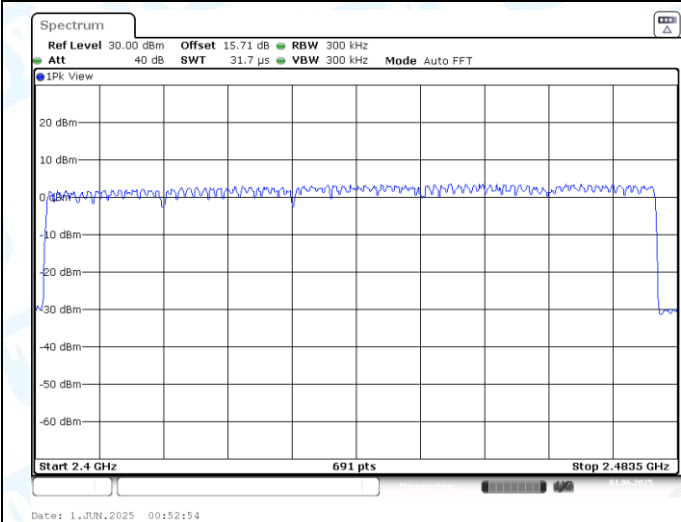
6.2 Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



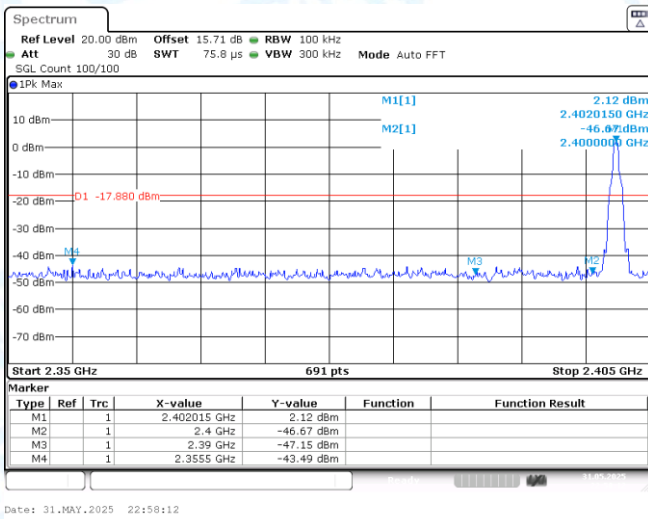
3DH5-Ant1-Hop-PASS

7: Band edge measurements

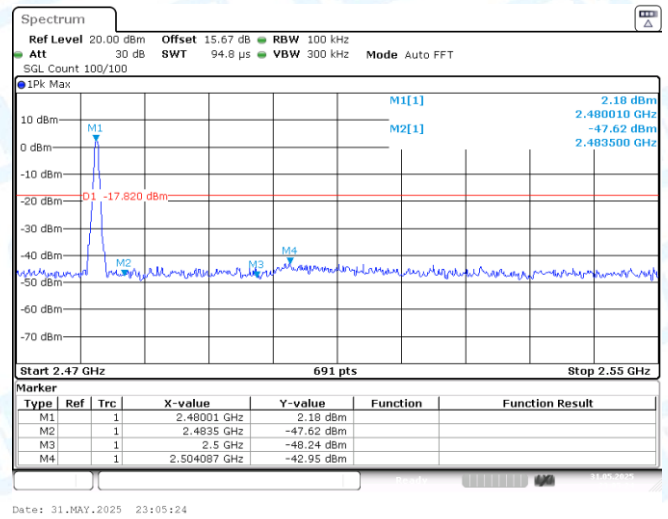
7.1 Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.12	-43.49	≤-17.88	PASS
DH5	Ant1	High	2480	2.18	-42.95	≤-17.82	PASS
DH5	Ant1	Low	Hop_2402	1.16	-43.26	≤-18.84	PASS
DH5	Ant1	High	Hop_2480	2.03	-40.7	≤-17.97	PASS
2DH5	Ant1	Low	2402	0.96	-43.93	≤-19.04	PASS
2DH5	Ant1	High	2480	1.41	-41.72	≤-18.59	PASS
2DH5	Ant1	Low	Hop_2402	-0.90	-43.85	≤-20.9	PASS
2DH5	Ant1	High	Hop_2480	0.98	-41.75	≤-19.02	PASS
3DH5	Ant1	Low	2402	-0.76	-44.57	≤-20.76	PASS
3DH5	Ant1	High	2480	2.74	-41.66	≤-17.26	PASS
3DH5	Ant1	Low	Hop_2402	-1.75	-43.83	≤-21.75	PASS
3DH5	Ant1	High	Hop_2480	2.95	-41.8	≤-17.05	PASS

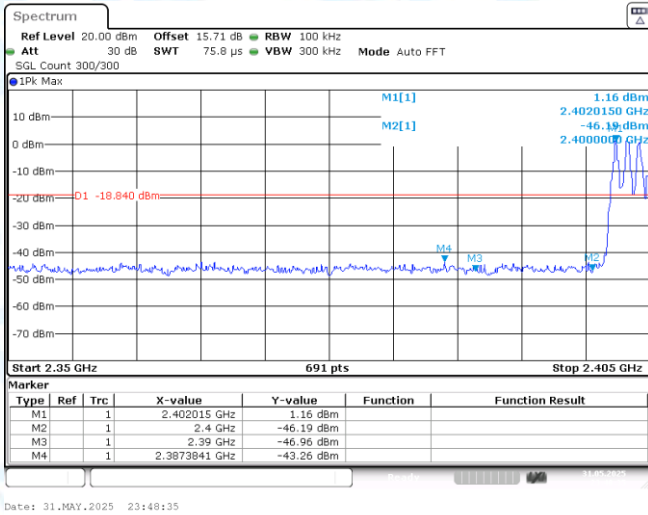
7.2 Test Graphs



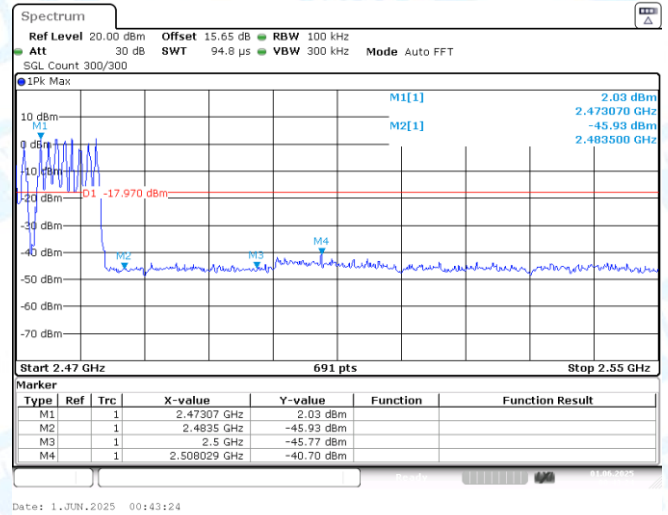
DH5-Ant1-2402-PASS



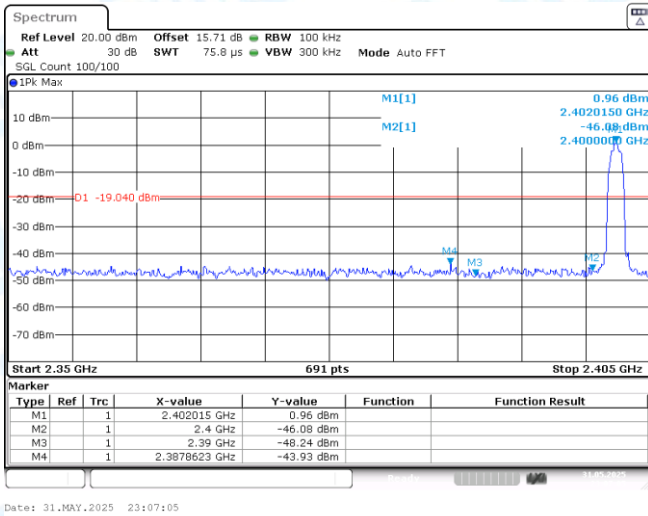
DH5-Ant1-2480-PASS



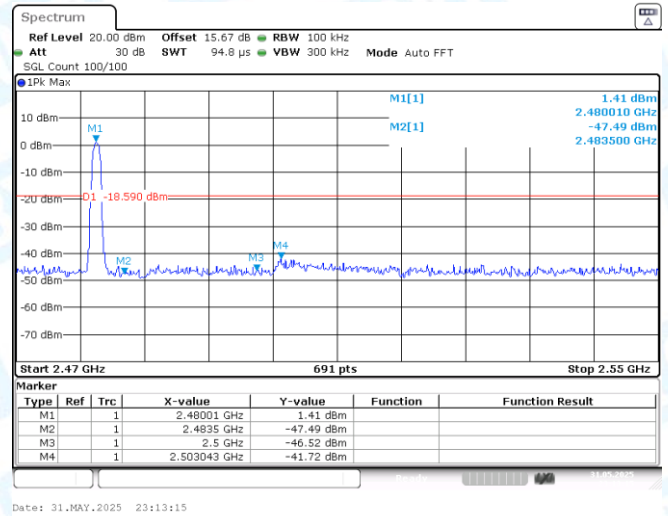
DH5-Ant1-Hop_2402-PASS



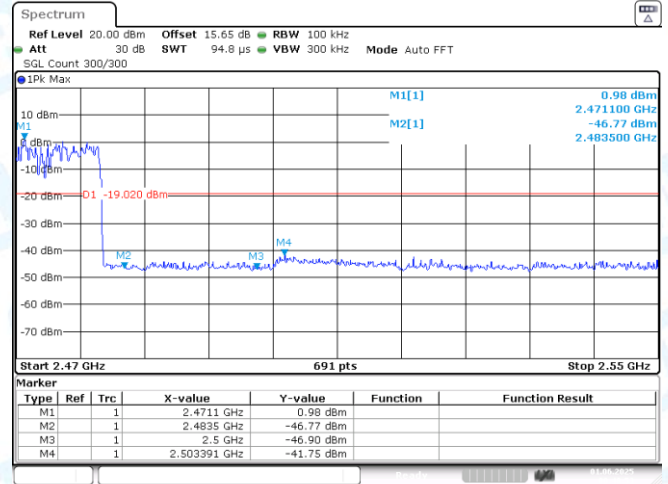
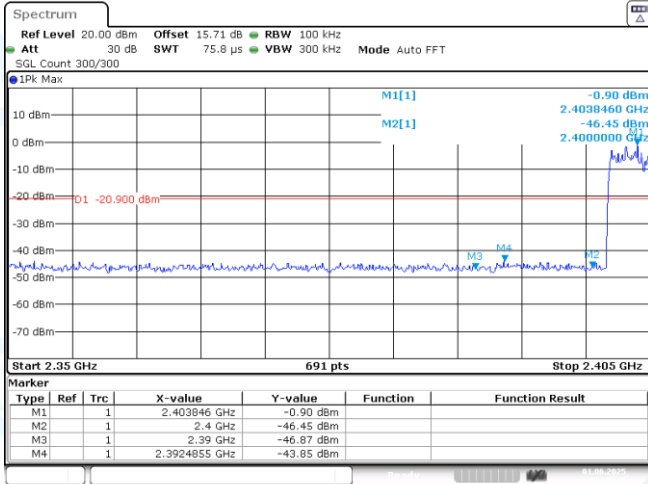
DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS

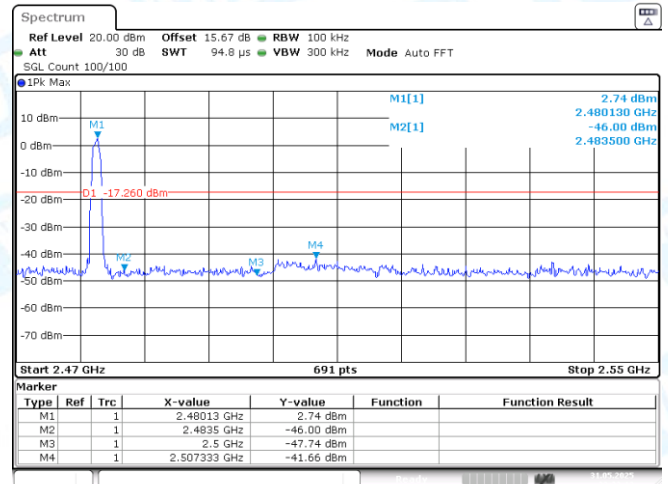
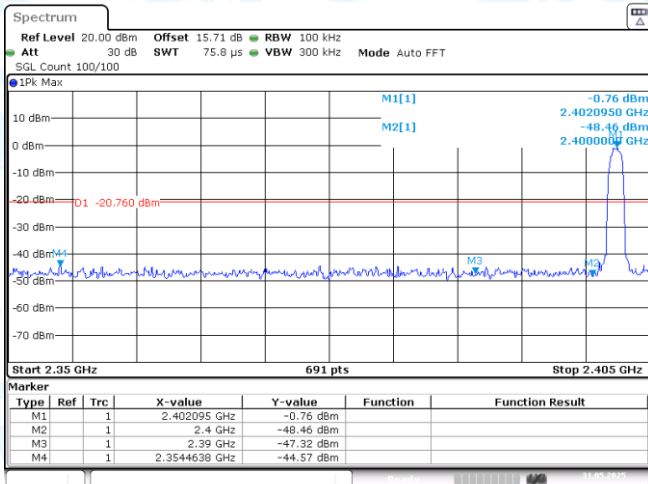


2DH5-Ant1-2480-PASS



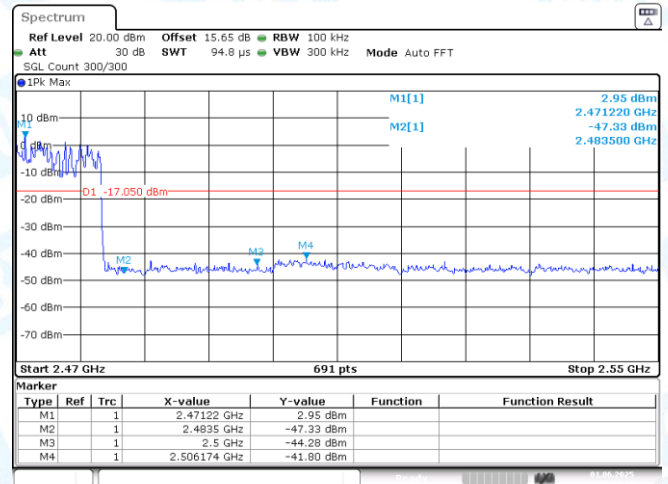
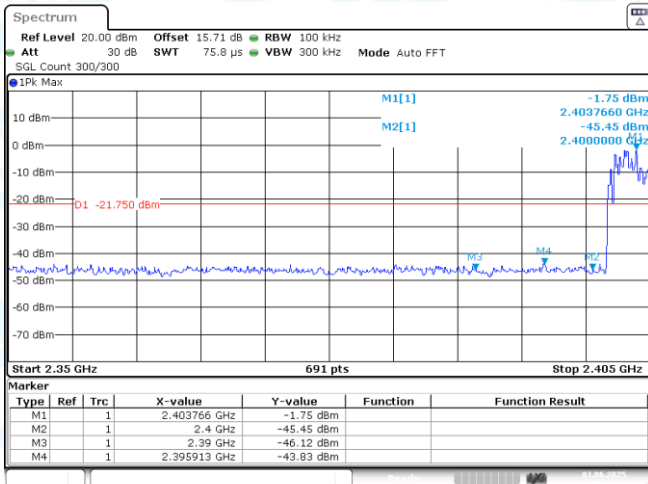
2DH5-Ant1-Hop_2402-PASS

2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS

3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

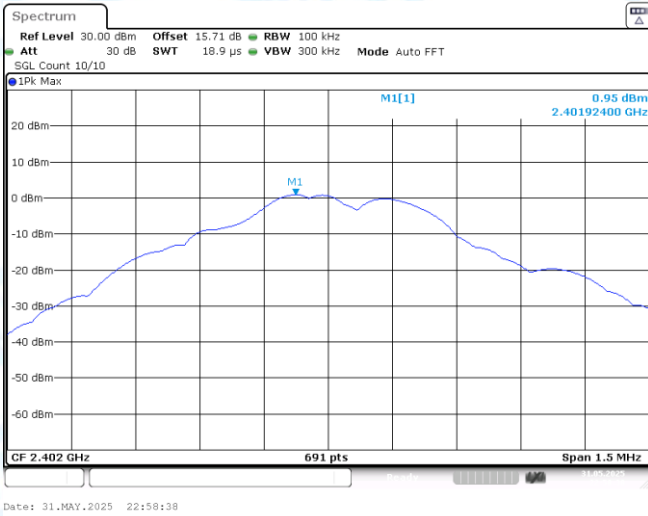
3DH5-Ant1-Hop_2480-PASS

8: Conducted Spurious Emission

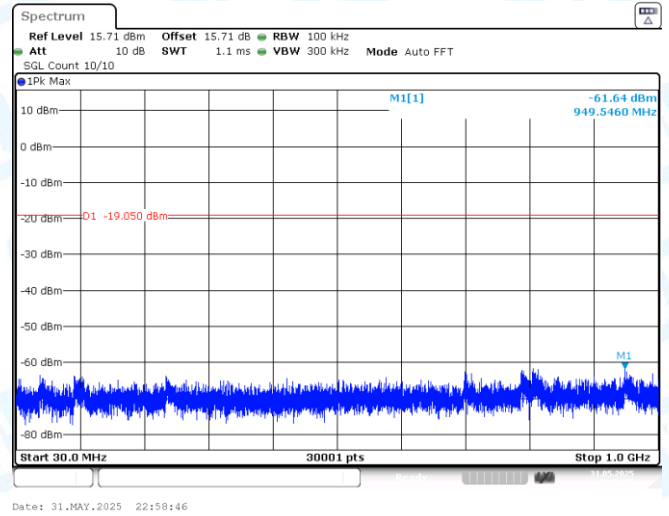
8.1 Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.95	0.95	---	PASS
DH5	Ant1	2402	30~1000	0.95	-61.64	≤-19.05	PASS
DH5	Ant1	2402	1000~26500	0.95	-45.95	≤-19.05	PASS
DH5	Ant1	2441	0~Reference	2.33	2.33	---	PASS
DH5	Ant1	2441	30~1000	2.33	-60.6	≤-17.67	PASS
DH5	Ant1	2441	1000~26500	2.33	-47.81	≤-17.67	PASS
DH5	Ant1	2480	0~Reference	1.74	1.74	---	PASS
DH5	Ant1	2480	30~1000	1.74	-62.12	≤-18.26	PASS
DH5	Ant1	2480	1000~26500	1.74	-49.85	≤-18.26	PASS
2DH5	Ant1	2402	0~Reference	-2.60	-2.60	---	PASS
2DH5	Ant1	2402	30~1000	-2.60	-61.39	≤-22.6	PASS
2DH5	Ant1	2402	1000~26500	-2.60	-44.88	≤-22.6	PASS
2DH5	Ant1	2441	0~Reference	0.06	0.06	---	PASS
2DH5	Ant1	2441	30~1000	0.06	-61.59	≤-19.94	PASS
2DH5	Ant1	2441	1000~26500	0.06	-46.67	≤-19.94	PASS
2DH5	Ant1	2480	0~Reference	-0.53	-0.53	---	PASS
2DH5	Ant1	2480	30~1000	-0.53	-60.83	≤-20.53	PASS
2DH5	Ant1	2480	1000~26500	-0.53	-48.2	≤-20.53	PASS
3DH5	Ant1	2402	0~Reference	0.11	0.11	---	PASS
3DH5	Ant1	2402	30~1000	0.11	-61.63	≤-19.89	PASS
3DH5	Ant1	2402	1000~26500	0.11	-44.91	≤-19.89	PASS
3DH5	Ant1	2441	0~Reference	-0.64	-0.64	---	PASS
3DH5	Ant1	2441	30~1000	-0.64	-61.61	≤-20.64	PASS
3DH5	Ant1	2441	1000~26500	-0.64	-46.89	≤-20.64	PASS
3DH5	Ant1	2480	0~Reference	0.46	0.46	---	PASS
3DH5	Ant1	2480	30~1000	0.46	-61.95	≤-19.54	PASS
3DH5	Ant1	2480	1000~26500	0.46	-48.26	≤-19.54	PASS

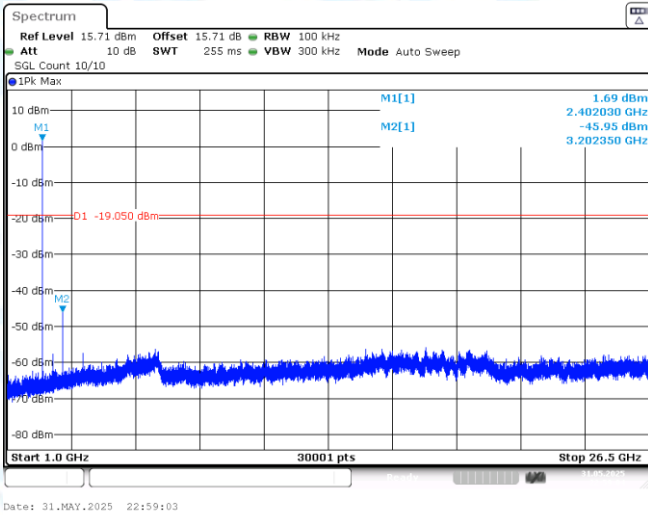
8.2 Test Graphs



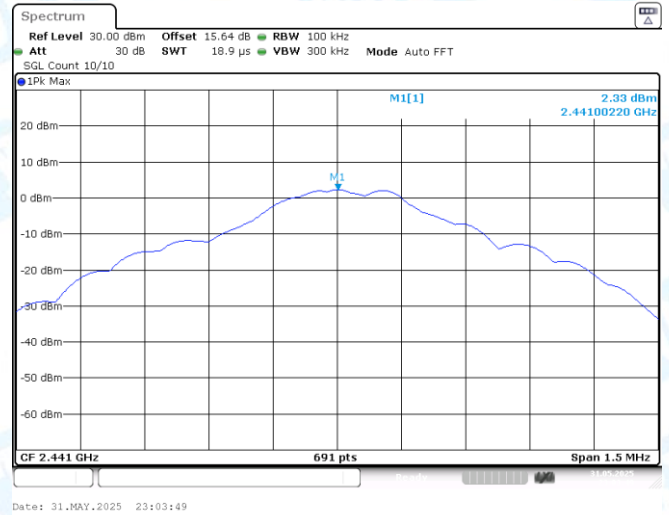
DH5-Ant1-2402-0~Reference-PASS



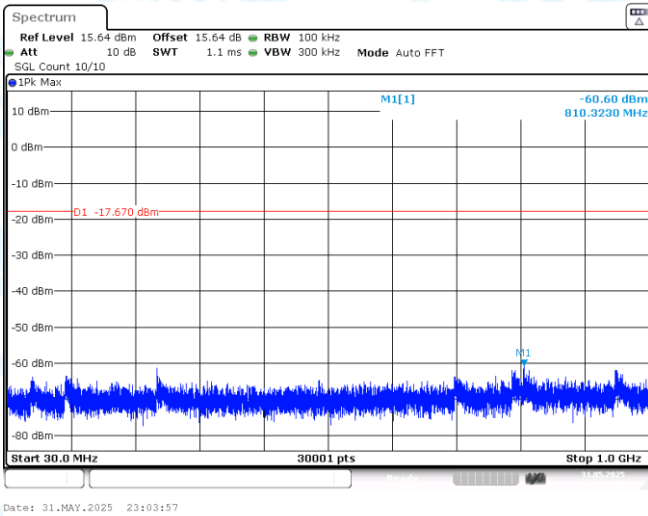
DH5-Ant1-2402-30~1000-PASS



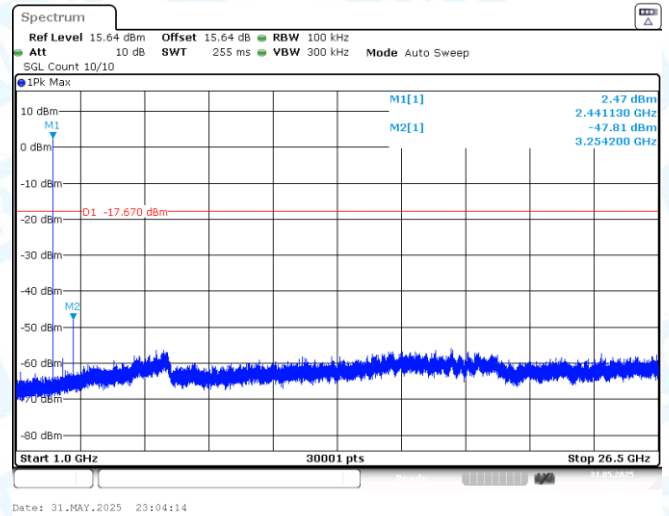
DH5-Ant1-2402-1000~26500-PASS



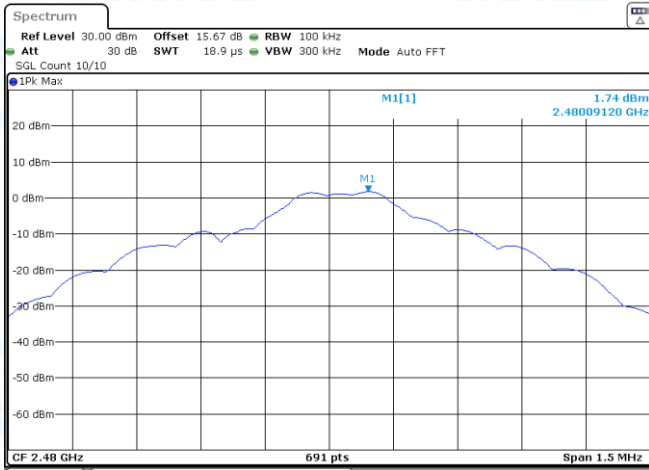
DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS

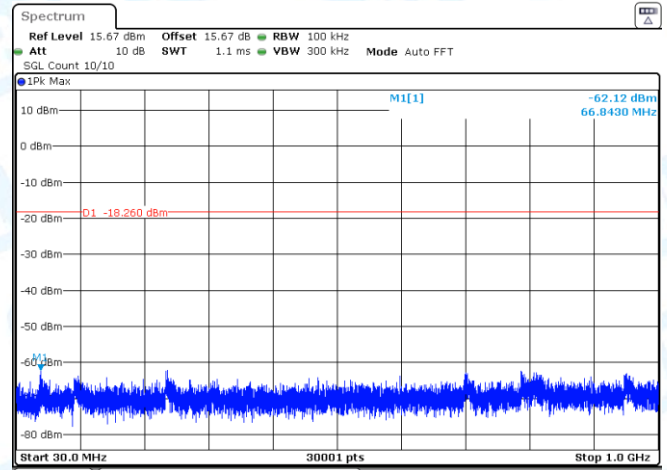


DH5-Ant1-2441-1000~26500-PASS



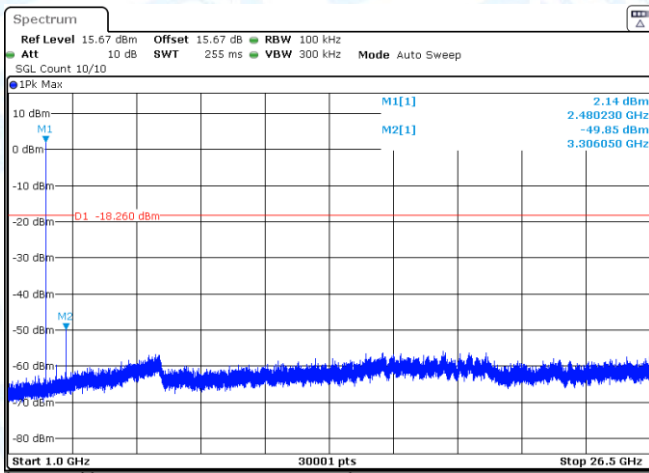
Date: 31.MAY.2025 23:05:48

DH5-Ant1-2480-0~Reference-PASS



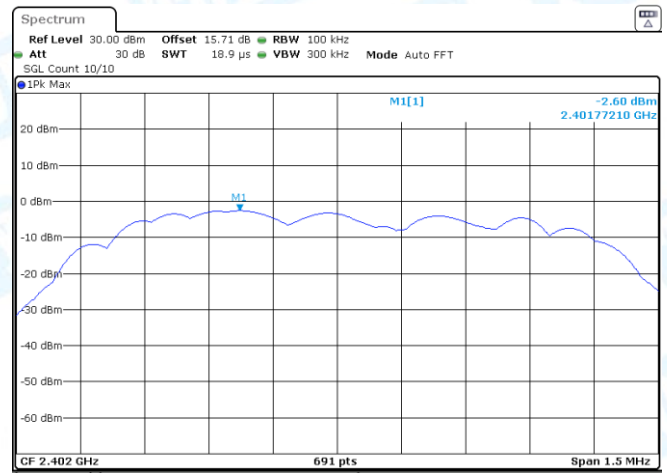
Date: 31.MAY.2025 23:05:56

DH5-Ant1-2480-30~1000-PASS



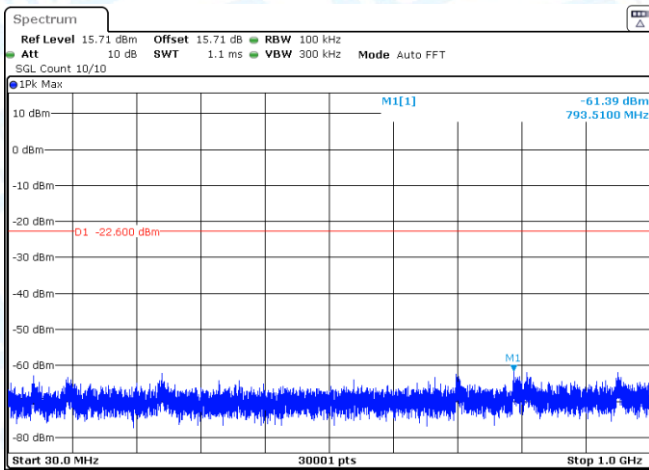
Date: 31.MAY.2025 23:06:13

DH5-Ant1-2480-1000~26500-PASS



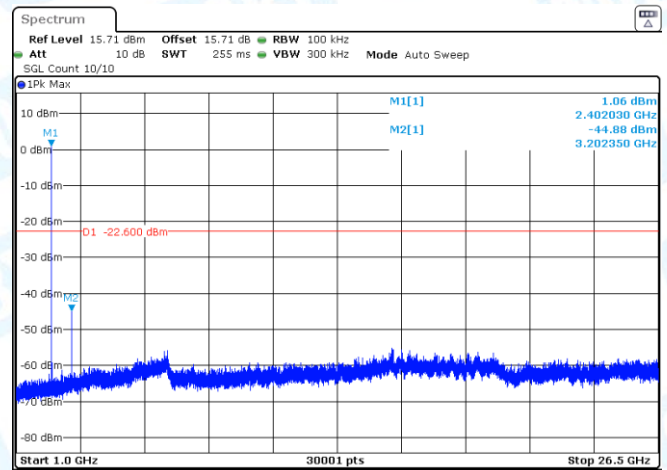
Date: 31.MAY.2025 23:07:31

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



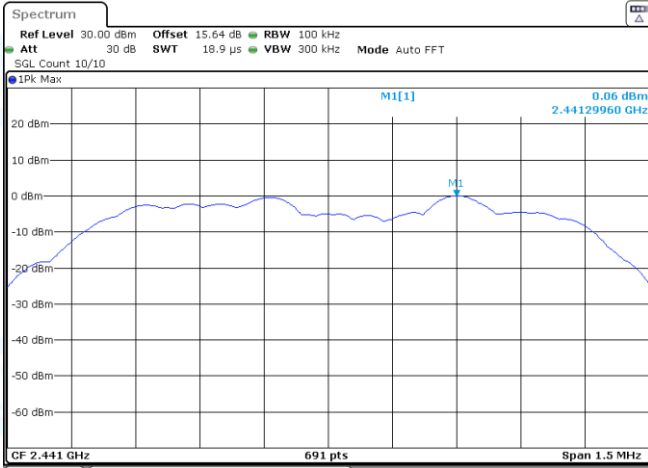
Date: 31.MAY.2025 23:07:39

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



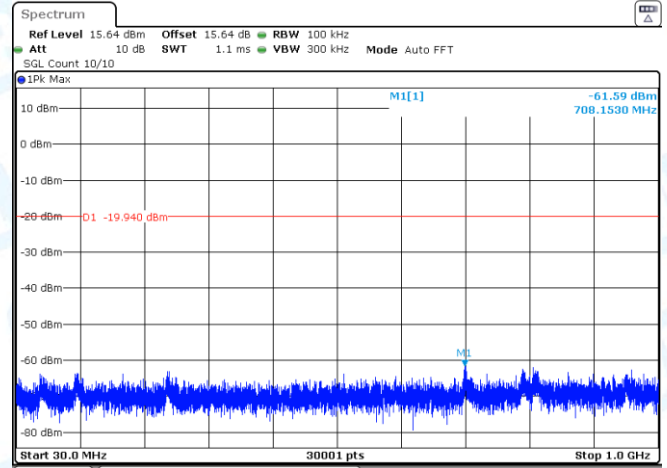
Date: 31.MAY.2025 23:07:56

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



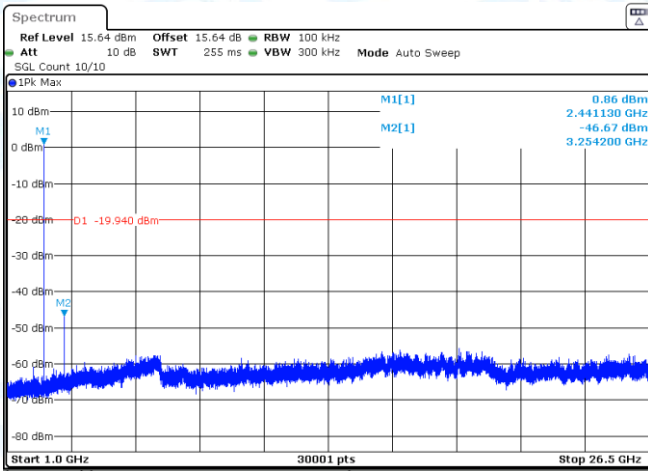
Date: 31.MAY.2025 23:11:50

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



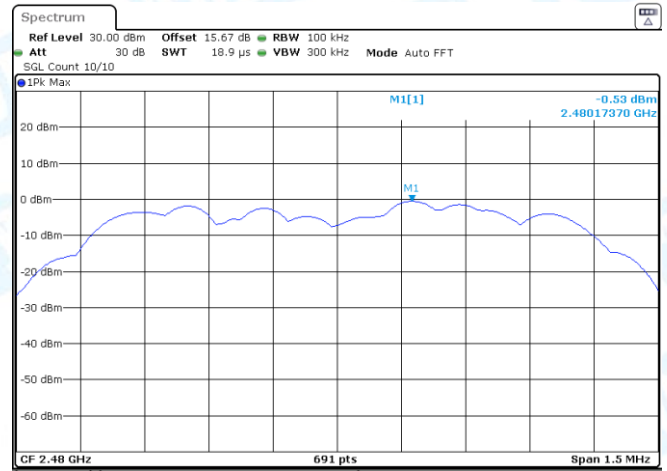
Date: 31.MAY.2025 23:11:57

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



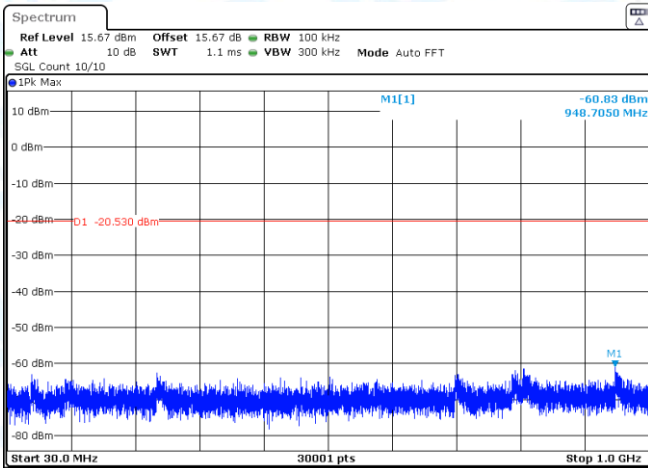
Date: 31.MAY.2025 23:12:15

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



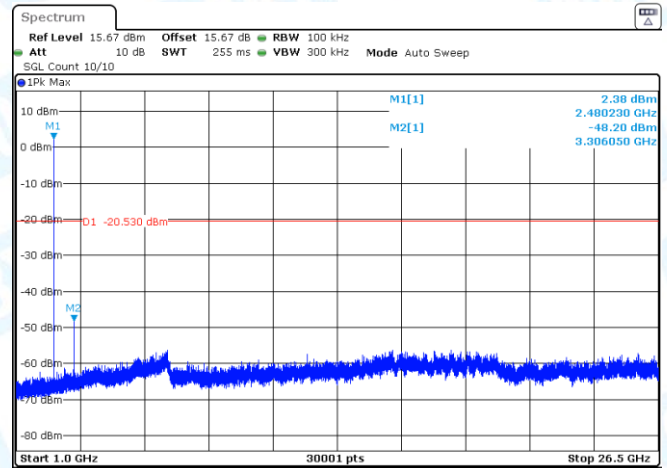
Date: 31.MAY.2025 23:13:39

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



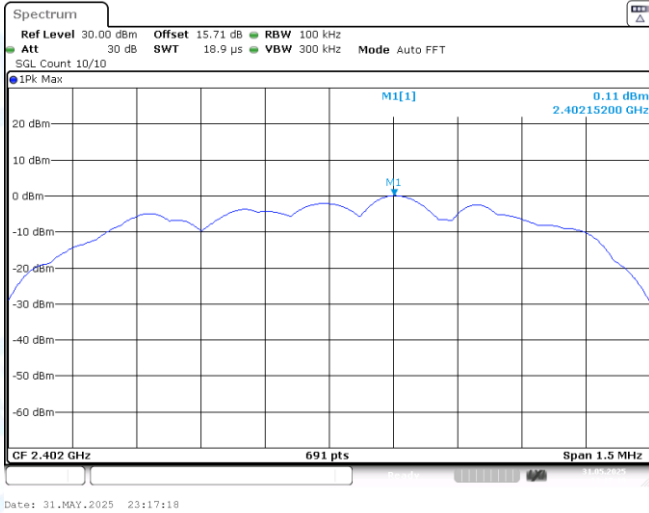
Date: 31.MAY.2025 23:13:47

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

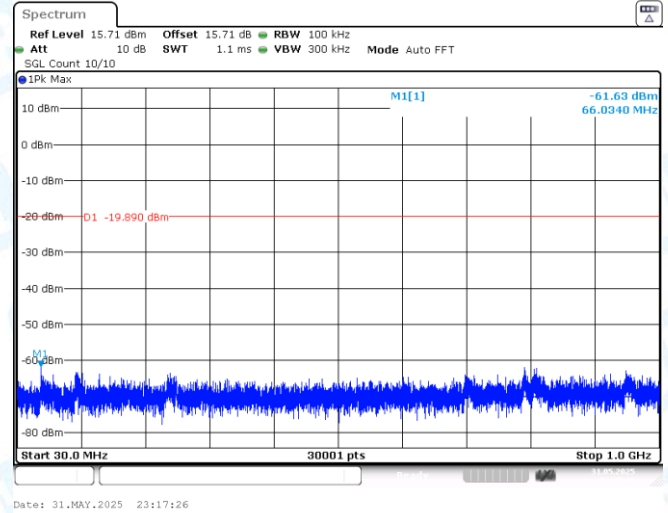


Date: 31.MAY.2025 23:14:04

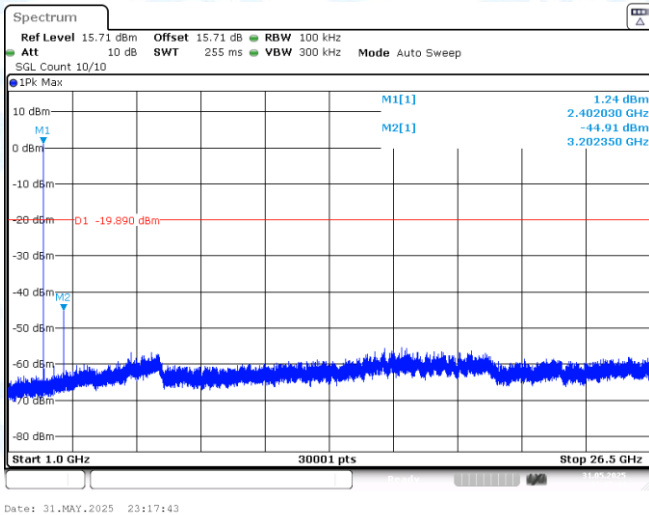
2DH5-Ant1-2480-1000~26500-PASS



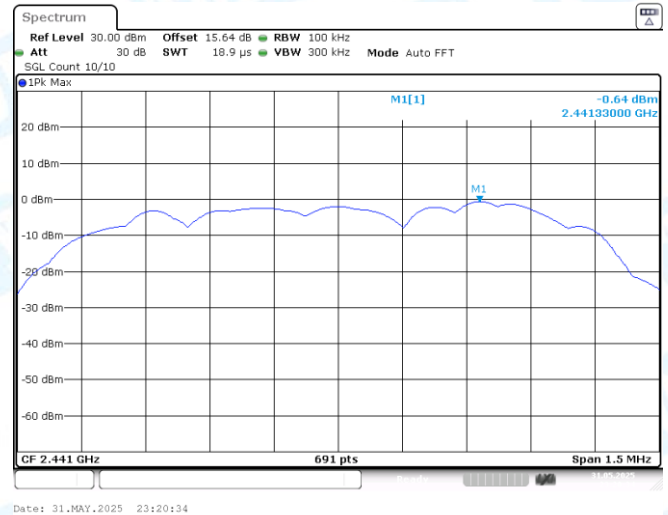
3DH5-Ant1-2402-0~Reference-PASS



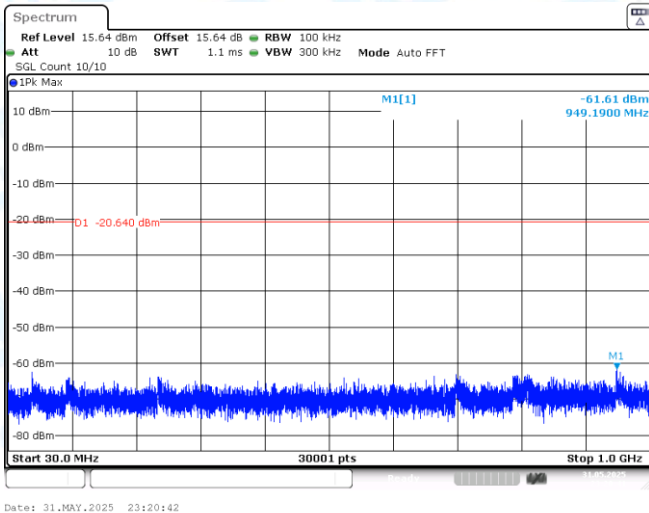
3DH5-Ant1-2402-30~1000-PASS



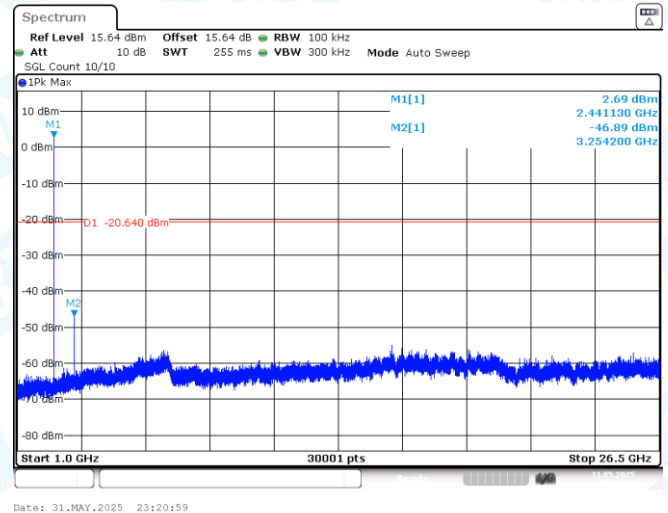
3DH5-Ant1-2402-1000~26500-PASS



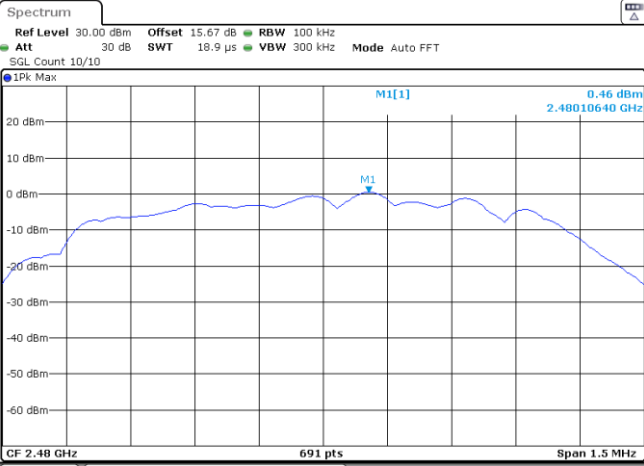
3DH5-Ant1-2441-0~Reference-PASS



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

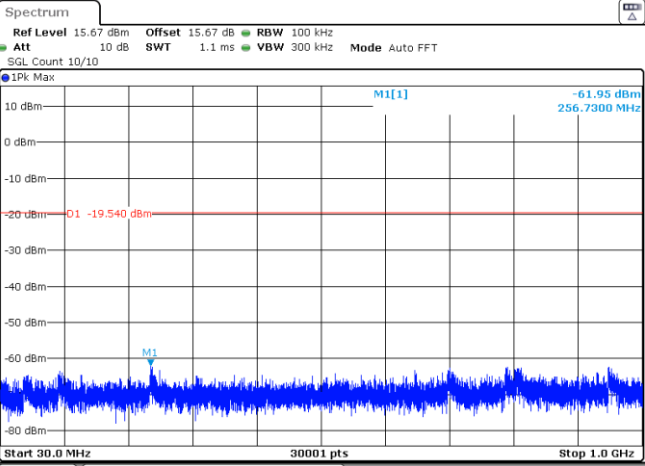


3DH5-Ant1-2441-1000~26500-PASS



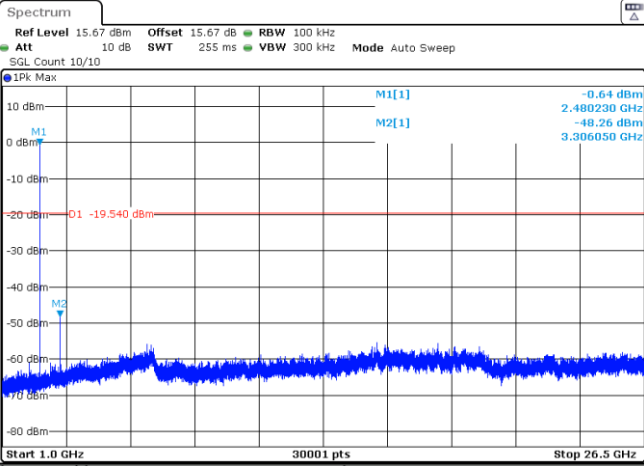
Date: 31.MAY.2025 23:22:36

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



Date: 31.MAY.2025 23:22:44

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



Date: 31.MAY.2025 23:23:01

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

9: Duty Cycle

9.1 Test Result

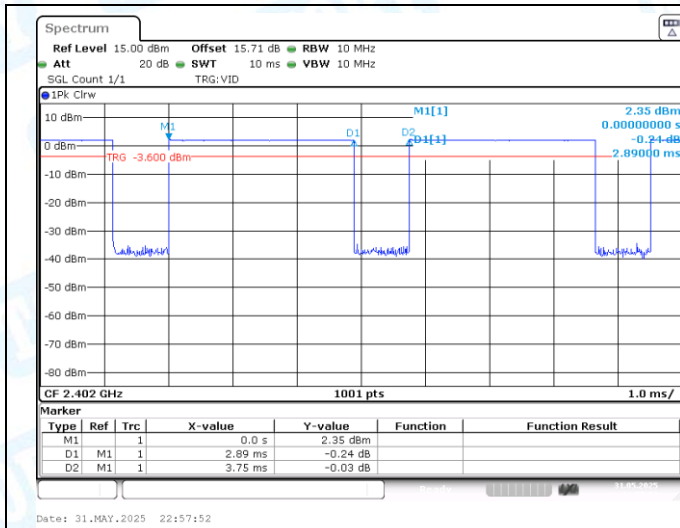
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factory	1/T [kHz]
DH5	Ant1	2402	2.89	3.75	77.07	1.13	0.35
DH5	Ant1	2441	2.89	3.75	77.07	1.13	0.35
DH5	Ant1	2480	2.89	3.76	76.86	1.14	0.35
2DH5	Ant1	2402	2.89	3.75	77.07	1.13	0.35
2DH5	Ant1	2441	2.89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

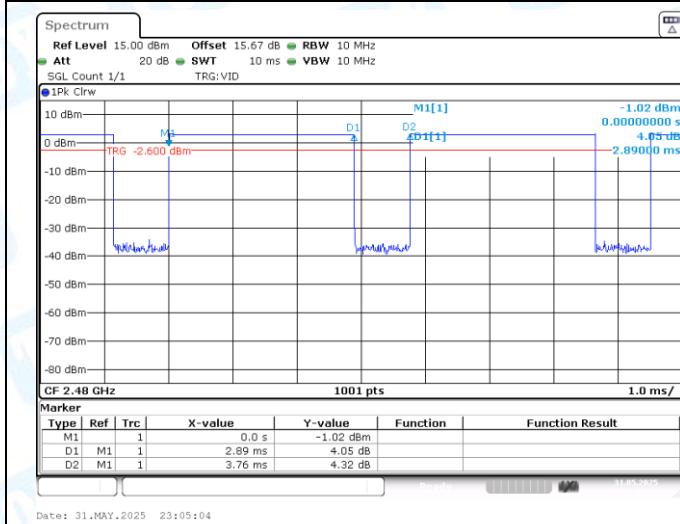
2, DC Factory=10*Log₁₀(1/Duty Cycle)

3, 1/T=1/ Transmission Duration

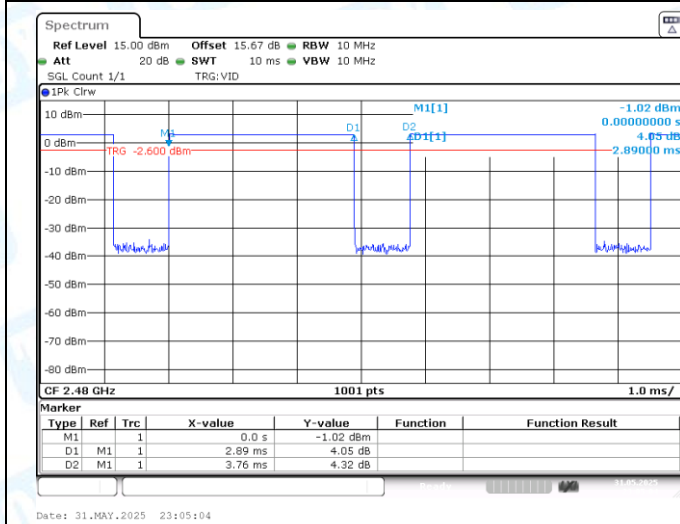
9.2 Test Graphs



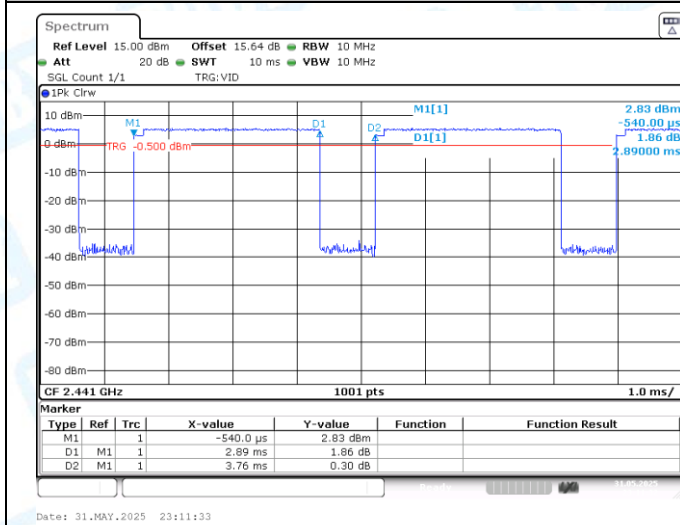
NTNV-DH5-Ant1-2402



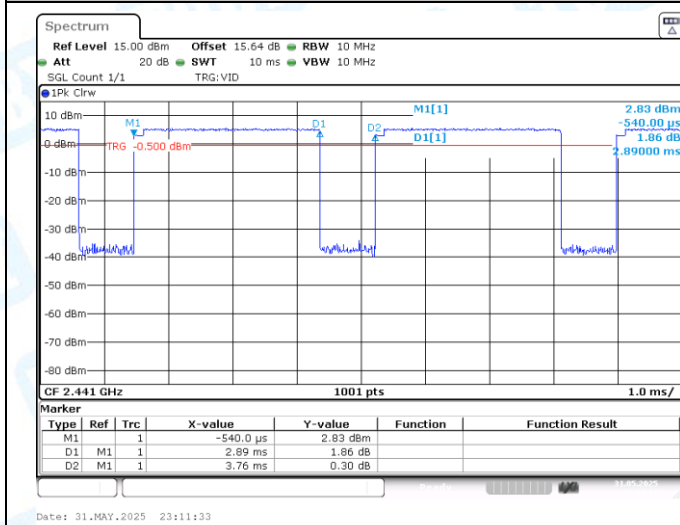
NTNV-DH5-Ant1-2441



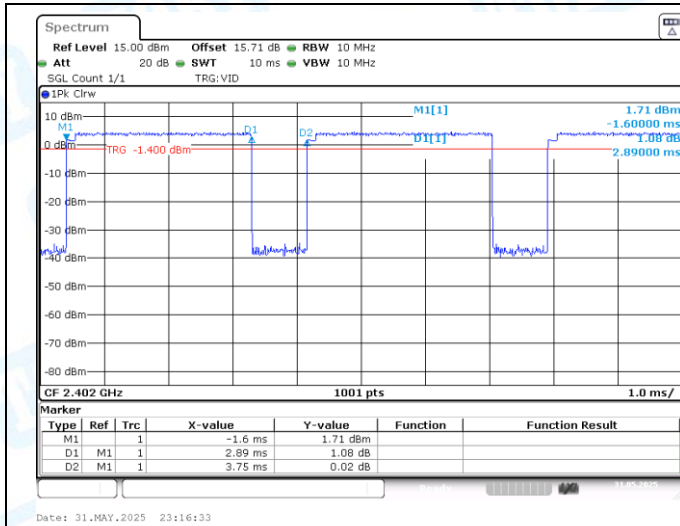
NTNV-DH5-Ant1-2480



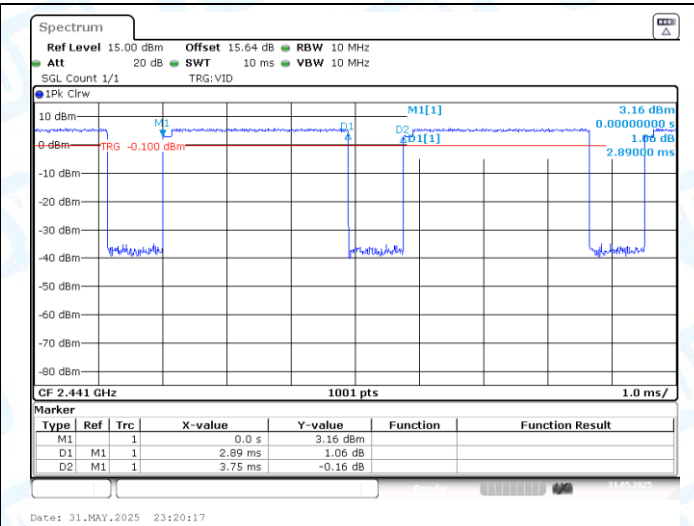
NTNV-2DH5-Ant1-2441



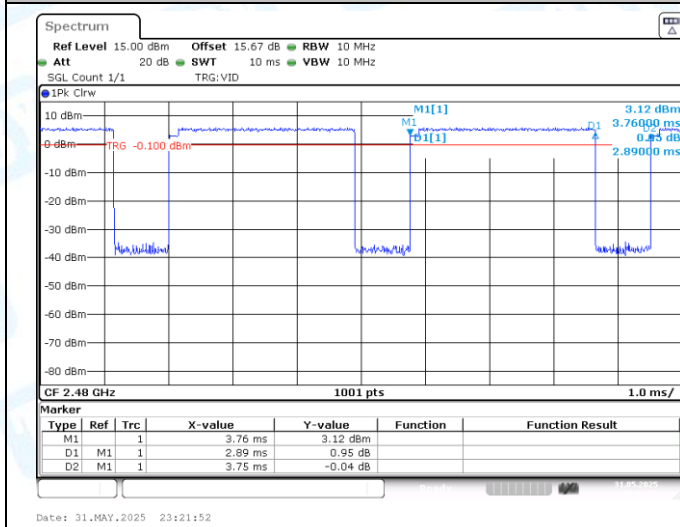
NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480

10: Emissions in Restricted Bands

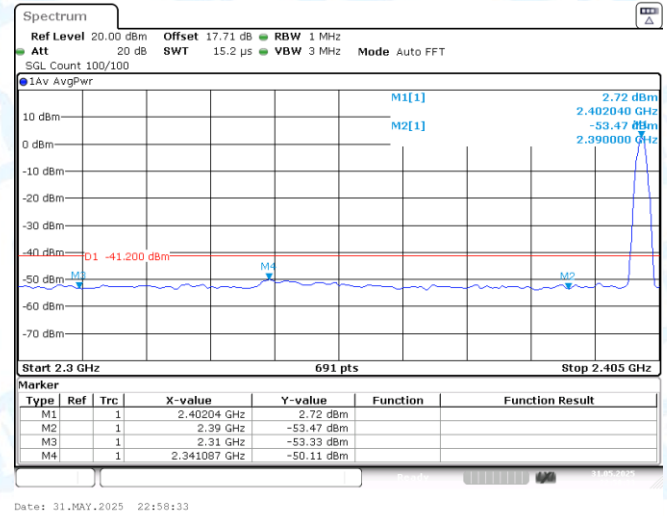
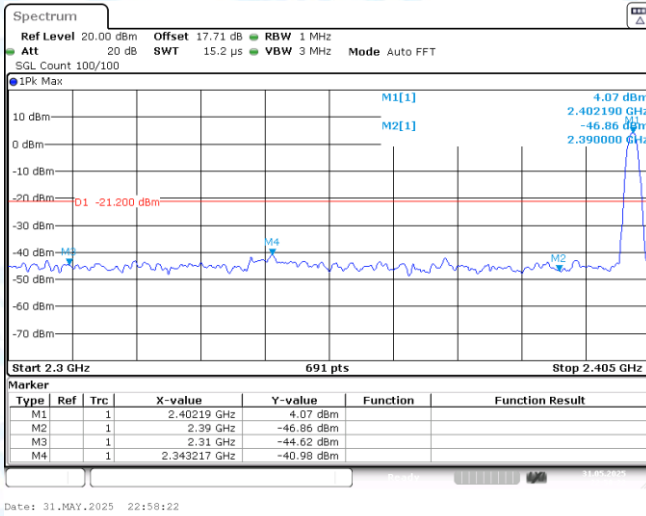
10.1 Test Result

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	-46.86	≤-21.20	48.34	≤74	PASS
DH5	Ant1	Low	2402	Peak	2310.000	-44.62	≤-21.20	50.58	≤74	PASS
DH5	Ant1	Low	2402	Peak	2343.217	-40.98	≤-21.20	54.22	≤74	PASS
DH5	Ant1	Low	2402	AV	2390.000	-53.47	≤-41.20	41.73	≤54	PASS
DH5	Ant1	Low	2402	AV	2310.000	-53.33	≤-41.20	41.87	≤54	PASS
DH5	Ant1	Low	2402	AV	2341.087	-50.11	≤-41.20	45.09	≤54	PASS
DH5	Ant1	High	2480	Peak	2483.500	-45.08	≤-21.20	50.12	≤74	PASS
DH5	Ant1	High	2480	Peak	2500.000	-46.01	≤-21.20	49.19	≤74	PASS
DH5	Ant1	High	2480	Peak	2497.594	-44	≤-21.20	51.20	≤74	PASS
DH5	Ant1	High	2480	AV	2483.500	-52.31	≤-41.20	42.89	≤54	PASS
DH5	Ant1	High	2480	AV	2500.000	-52.74	≤-41.20	42.46	≤54	PASS
DH5	Ant1	High	2480	AV	2487.739	-51.59	≤-41.20	43.61	≤54	PASS
2DH5	Ant1	Low	2402	Peak	2390.000	-47.48	≤-21.20	47.72	≤74	PASS
2DH5	Ant1	Low	2402	Peak	2310.000	-45.1	≤-21.20	50.10	≤74	PASS
2DH5	Ant1	Low	2402	Peak	2346.870	-42.01	≤-21.20	53.19	≤74	PASS
2DH5	Ant1	Low	2402	AV	2390.000	-53.33	≤-41.20	41.87	≤54	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-52.86	≤-41.20	42.34	≤54	PASS
2DH5	Ant1	Low	2402	AV	2340.630	-50.22	≤-41.20	44.98	≤54	PASS
2DH5	Ant1	High	2480	Peak	2483.500	-46.38	≤-21.20	48.82	≤74	PASS
2DH5	Ant1	High	2480	Peak	2500.000	-45.63	≤-21.20	49.57	≤74	PASS
2DH5	Ant1	High	2480	Peak	2483.913	-43.78	≤-21.20	51.42	≤74	PASS
2DH5	Ant1	High	2480	AV	2483.500	-52.22	≤-41.20	42.98	≤54	PASS
2DH5	Ant1	High	2480	AV	2500.000	-52.36	≤-41.20	42.84	≤54	PASS
2DH5	Ant1	High	2480	AV	2485.652	-51.66	≤-41.20	43.54	≤54	PASS
3DH5	Ant1	Low	2402	Peak	2390.000	-46.87	≤-21.20	48.33	≤74	PASS
3DH5	Ant1	Low	2402	Peak	2310.000	-45.41	≤-21.20	49.79	≤74	PASS
3DH5	Ant1	Low	2402	Peak	2341.696	-42.32	≤-21.20	52.88	≤74	PASS
3DH5	Ant1	Low	2402	AV	2390.000	-53.54	≤-41.20	41.66	≤54	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-52.82	≤-41.20	42.38	≤54	PASS
3DH5	Ant1	Low	2402	AV	2340.783	-49.46	≤-41.20	45.74	≤54	PASS
3DH5	Ant1	High	2480	Peak	2483.500	-47	≤-21.20	48.20	≤74	PASS
3DH5	Ant1	High	2480	Peak	2500.000	-45.89	≤-21.20	49.31	≤74	PASS
3DH5	Ant1	High	2480	Peak	2491.217	-44.44	≤-21.20	50.76	≤74	PASS
3DH5	Ant1	High	2480	AV	2483.500	-51.98	≤-41.20	43.22	≤54	PASS
3DH5	Ant1	High	2480	AV	2500.000	-52.34	≤-41.20	42.86	≤54	PASS
3DH5	Ant1	High	2480	AV	2483.913	-51.34	≤-41.20	43.86	≤54	PASS

Note:

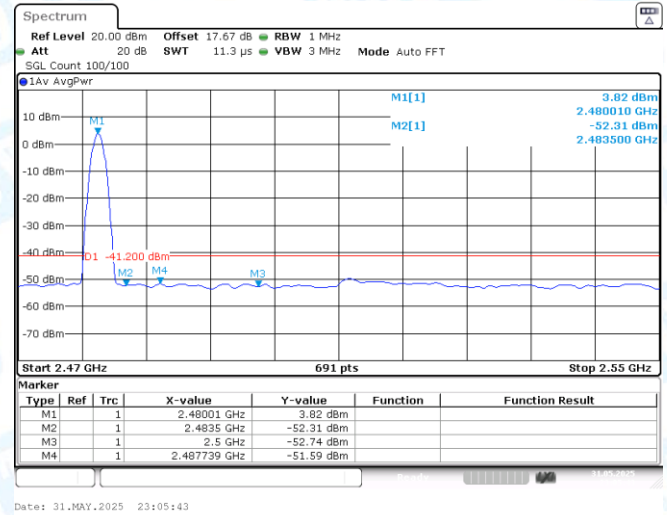
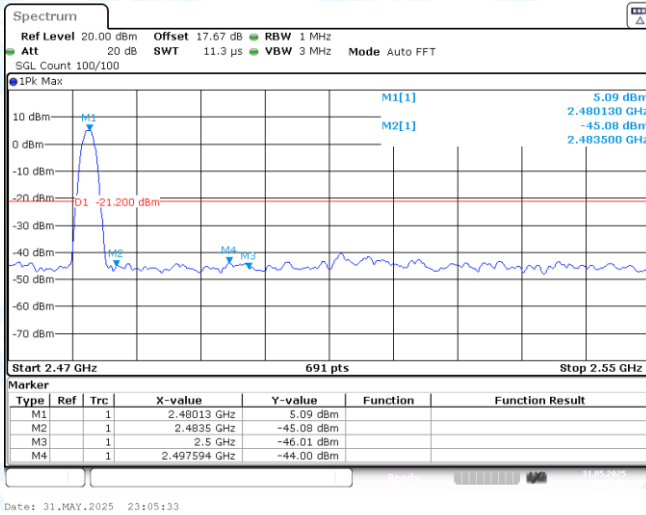
- The Antenna Gain is compensated in the graph.
- The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

10.2 Test Graphs



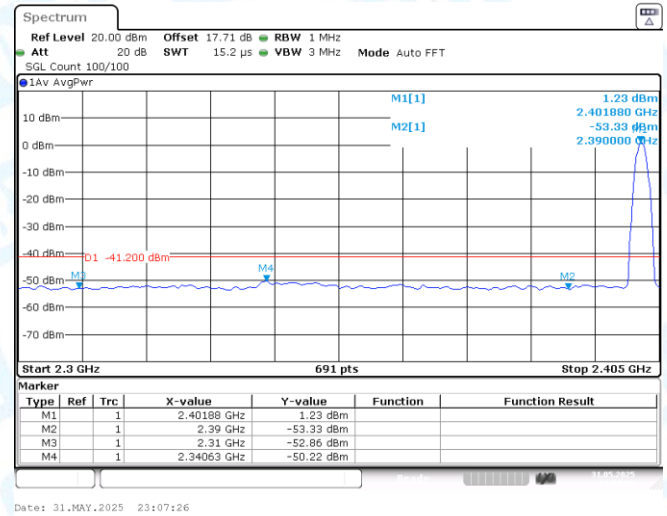
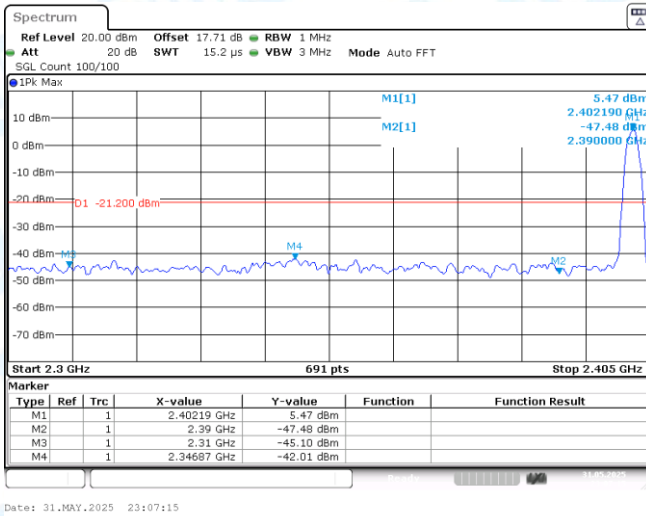
DH5-Ant1-2402-PASS

DH5-Ant1-2402-PASS



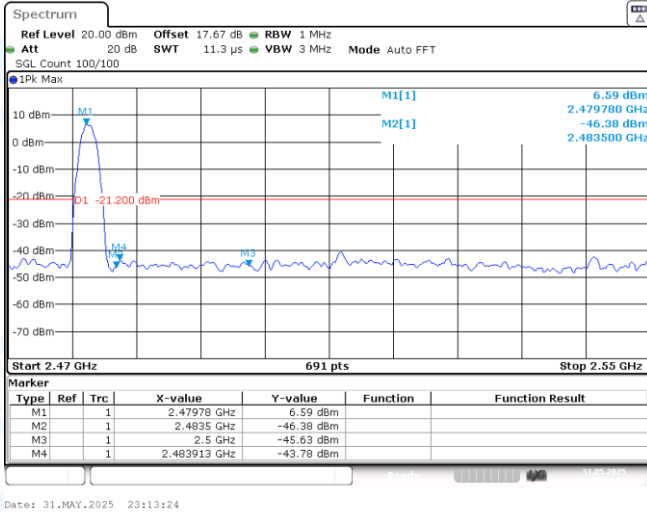
DH5-Ant1-2480-PASS

DH5-Ant1-2480-PASS

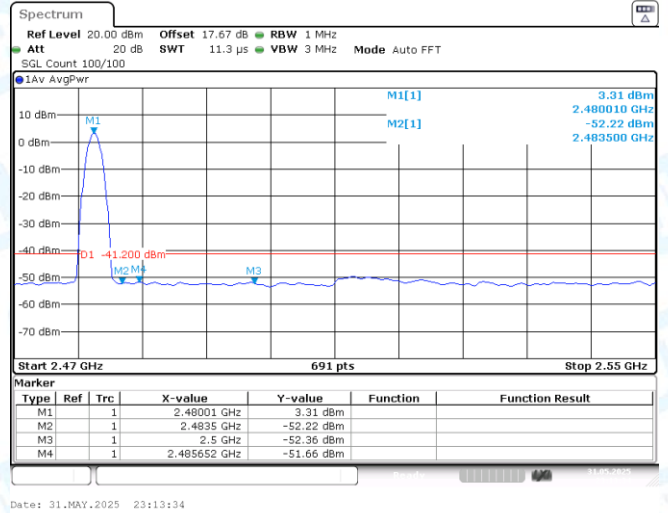


2DH5-Ant1-2402-PASS

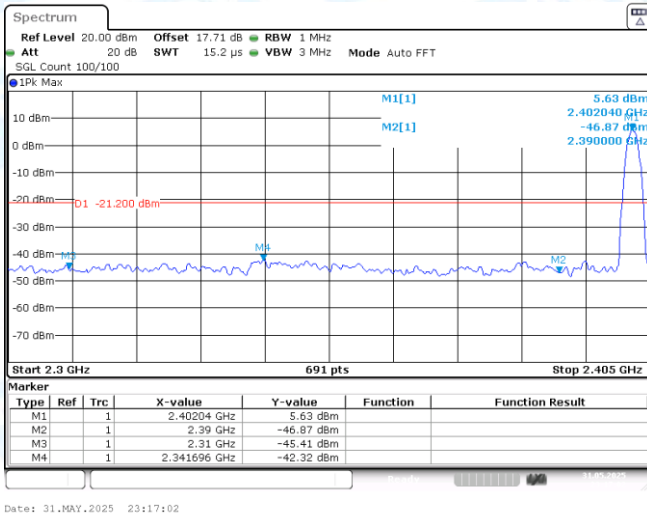
2DH5-Ant1-2402-PASS



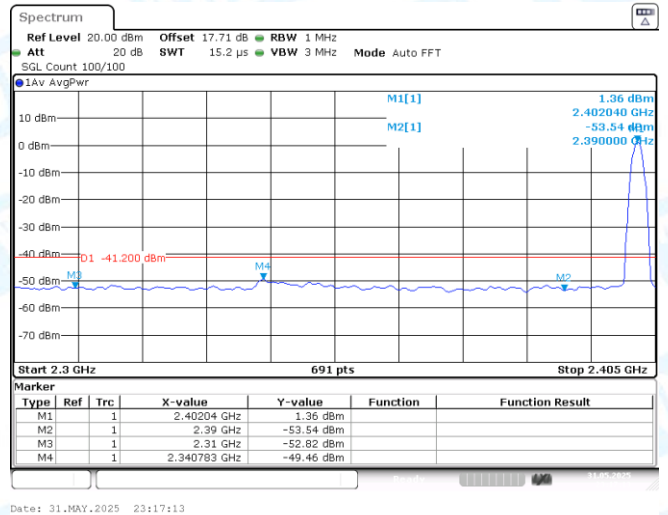
2DH5-Ant1-2480-PASS



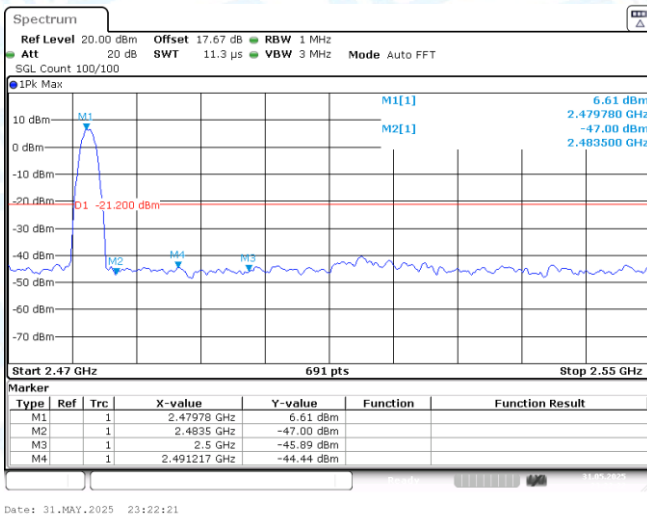
2DH5-Ant1-2480-PASS



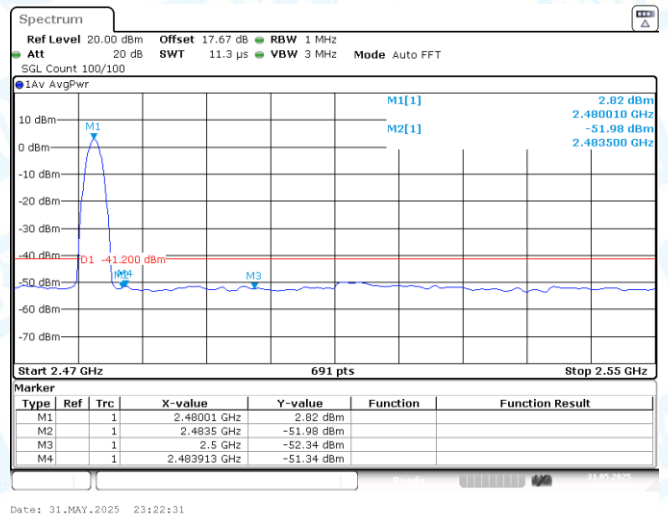
3DH5-Ant1-2402-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-2480-PASS

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