

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Wireless audio RGB sound bar

Trade Mark: /

Test Model: YS-BS0457

FCC ID: 2AWHS-YSBS0457

Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

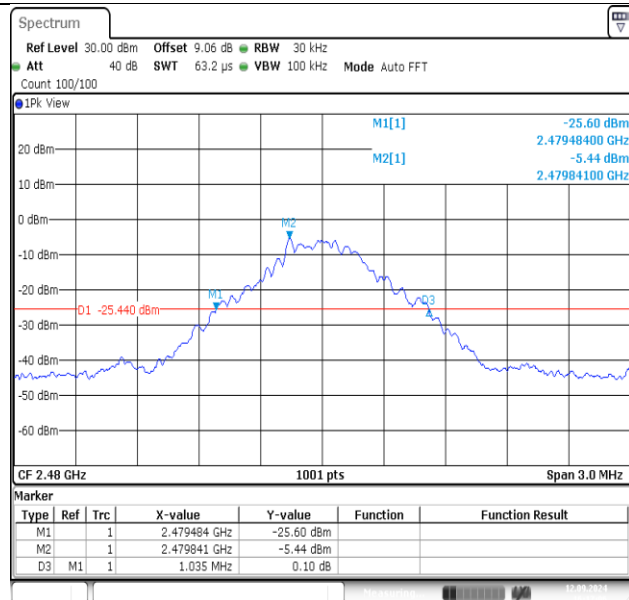
Appendix A: 20dB Emission Bandwidth

Test Result

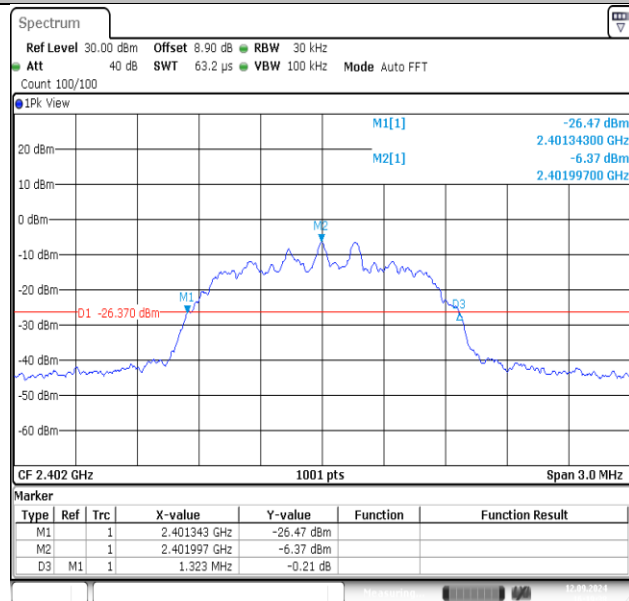
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.02	2401.49	2402.50	---	---
DH5	Ant1	2441	1.03	2440.49	2441.52	---	---
DH5	Ant1	2480	1.03	2479.48	2480.52	---	---
2DH5	Ant1	2402	1.32	2401.34	2402.67	---	---
2DH5	Ant1	2441	1.33	2440.34	2441.67	---	---
2DH5	Ant1	2480	1.34	2479.33	2480.67	---	---

Test Graphs

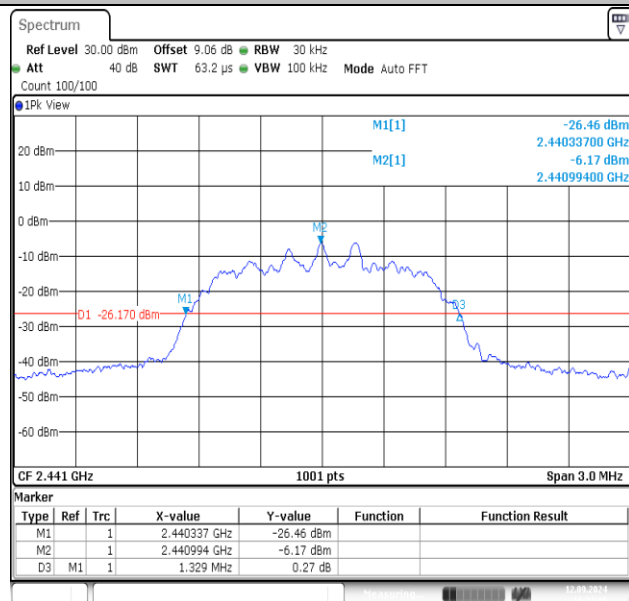




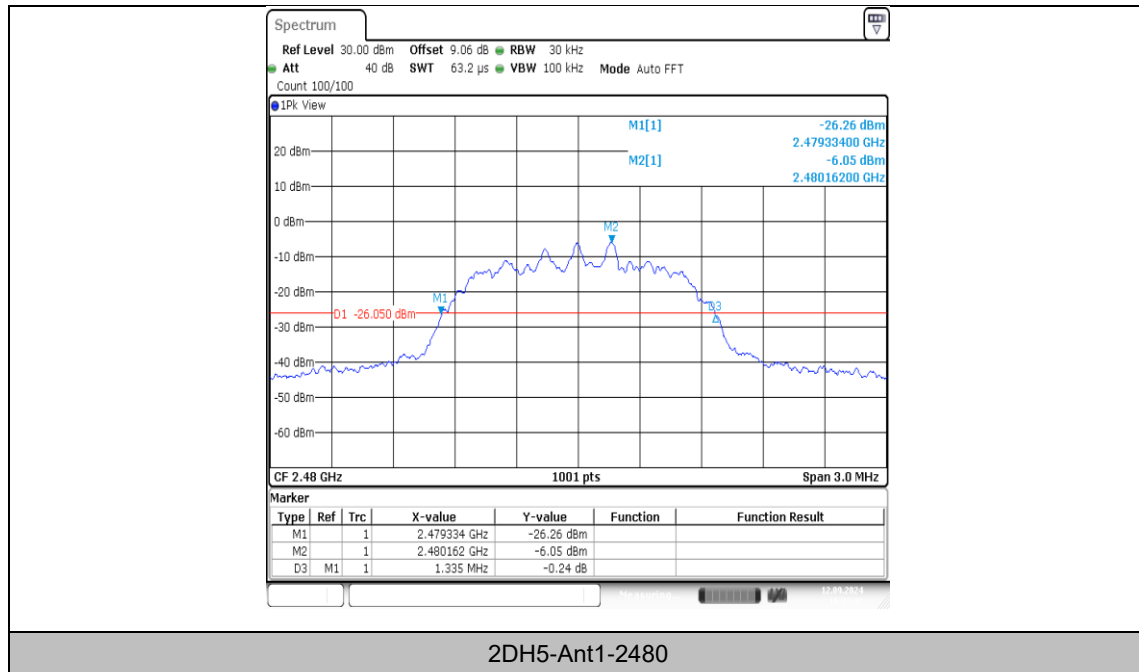
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441



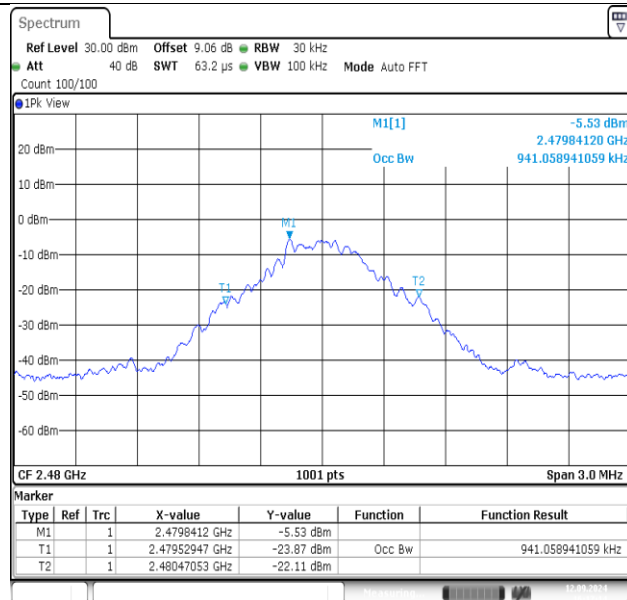
Appendix B: Occupied Channel Bandwidth

Test Result

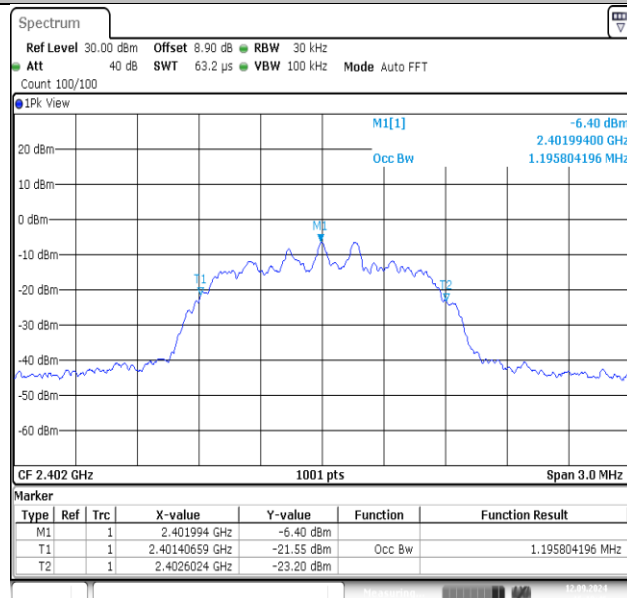
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.92	2401.5475	2402.4675	---	---
DH5	Ant1	2441	0.929	2440.5355	2441.4645	---	---
DH5	Ant1	2480	0.941	2479.5295	2480.4705	---	---
2DH5	Ant1	2402	1.196	2401.4066	2402.6024	---	---
2DH5	Ant1	2441	1.211	2440.4006	2441.6114	---	---
2DH5	Ant1	2480	1.217	2479.3976	2480.6144	---	---

Test Graphs

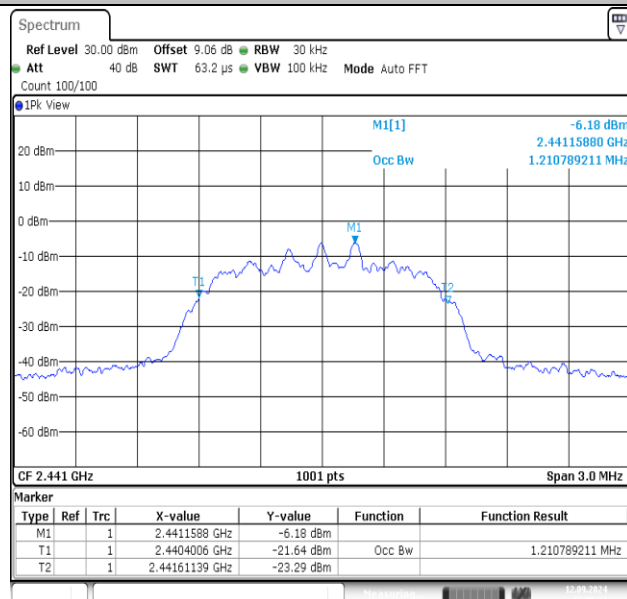




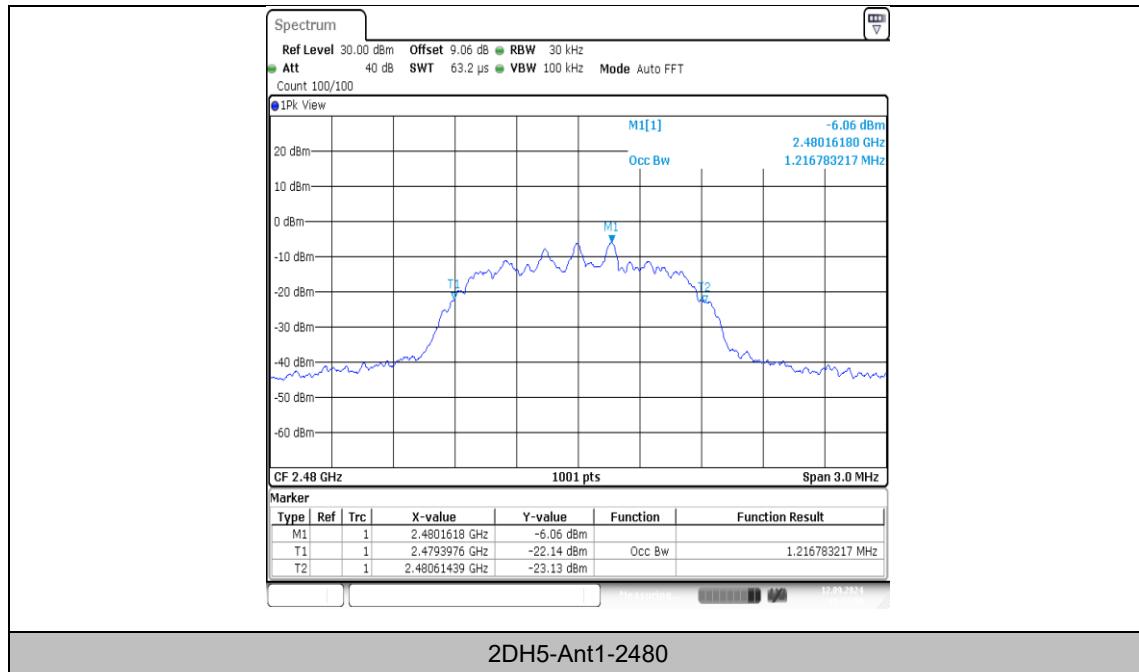
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

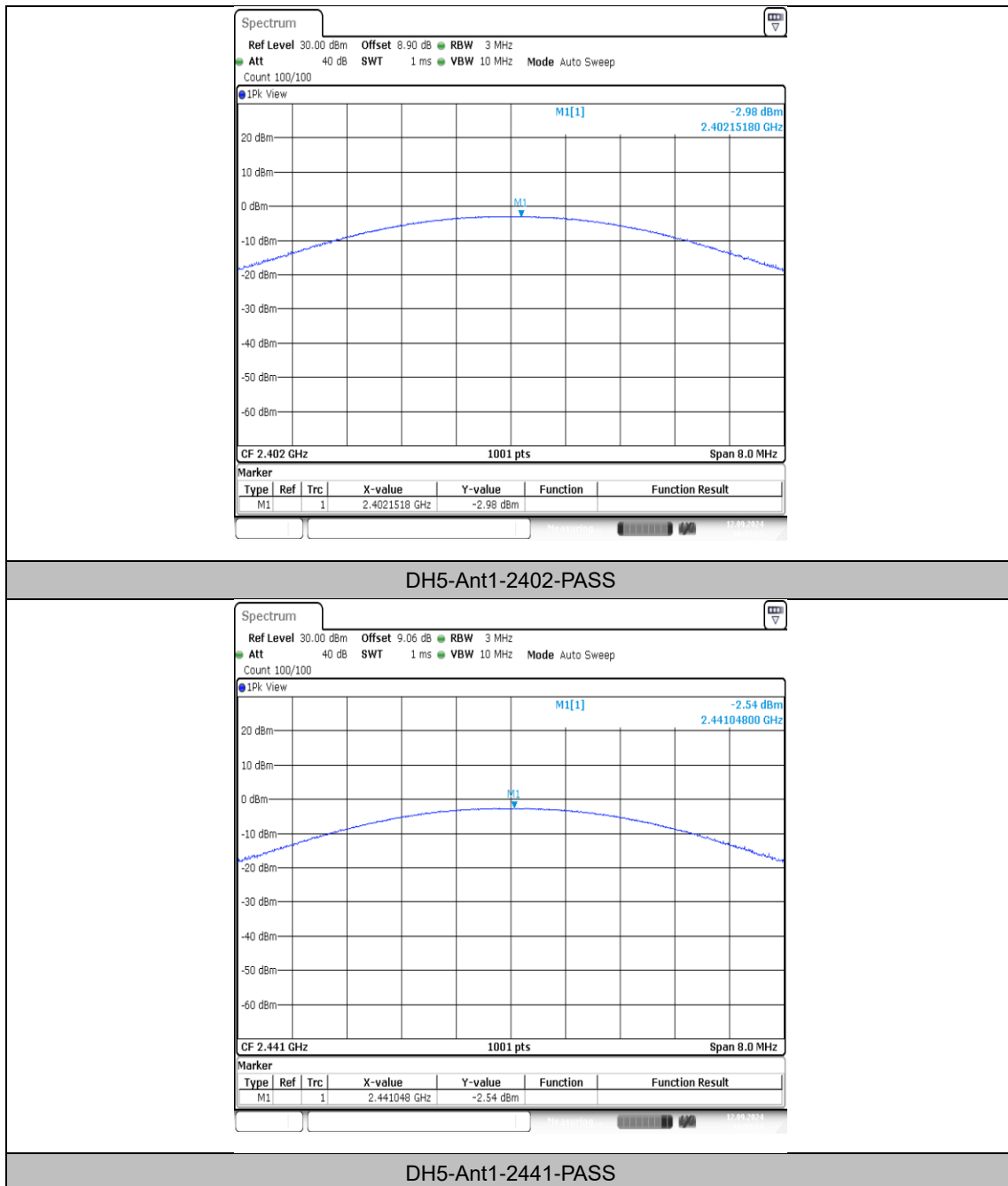


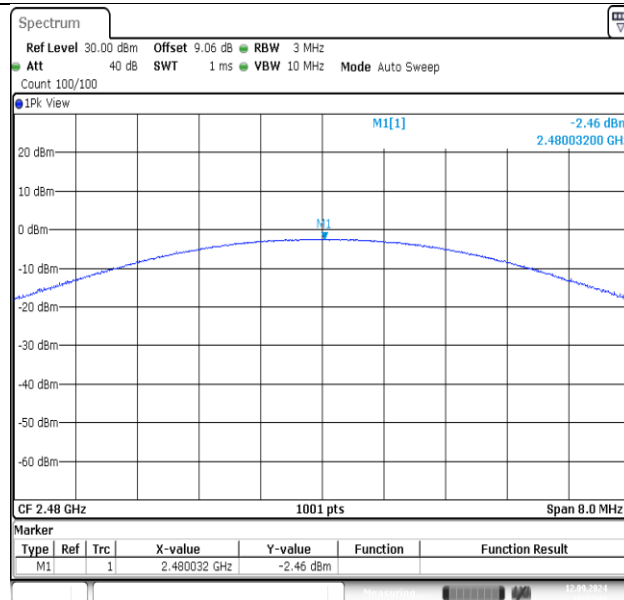
Appendix C: Maximum peak conducted output power

Test Result

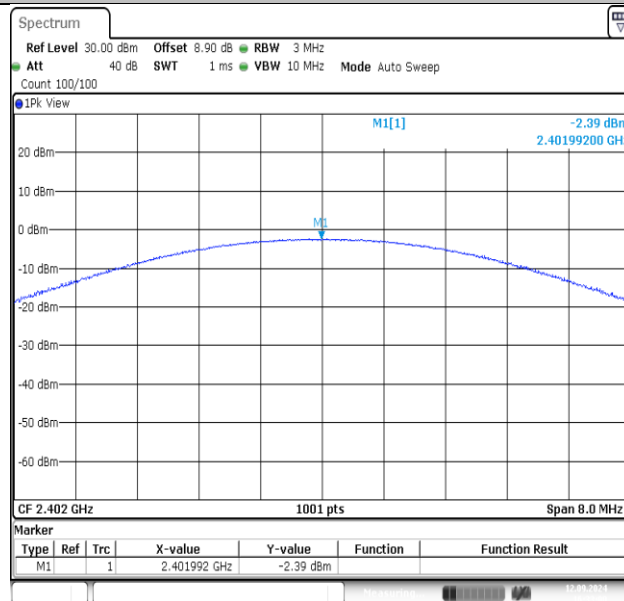
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.98	≤20.97	PASS
DH5	Ant1	2441	-2.54	≤20.97	PASS
DH5	Ant1	2480	-2.46	≤20.97	PASS
2DH5	Ant1	2402	-2.39	≤20.97	PASS
2DH5	Ant1	2441	-2.02	≤20.97	PASS
2DH5	Ant1	2480	-1.92	≤20.97	PASS

Test Graphs

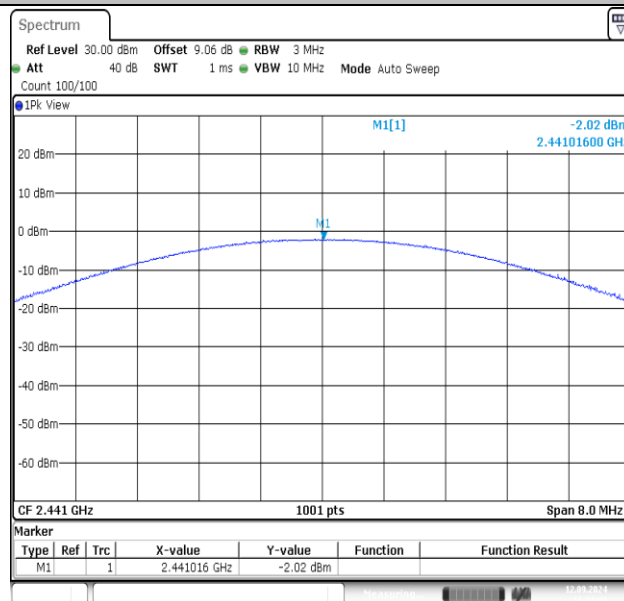




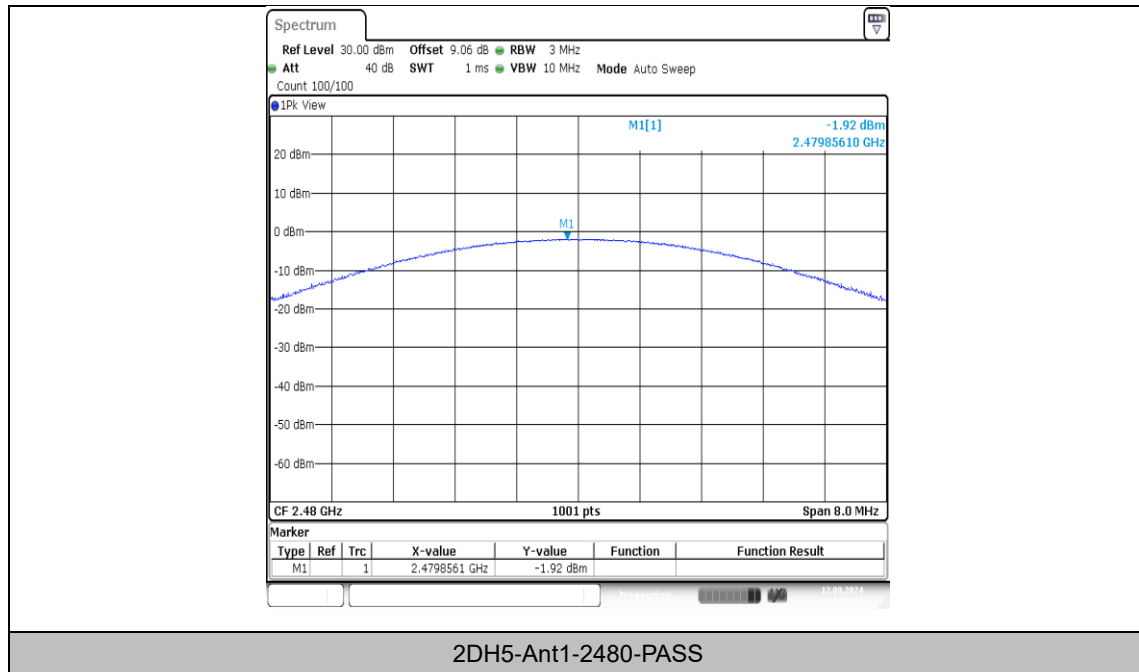
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

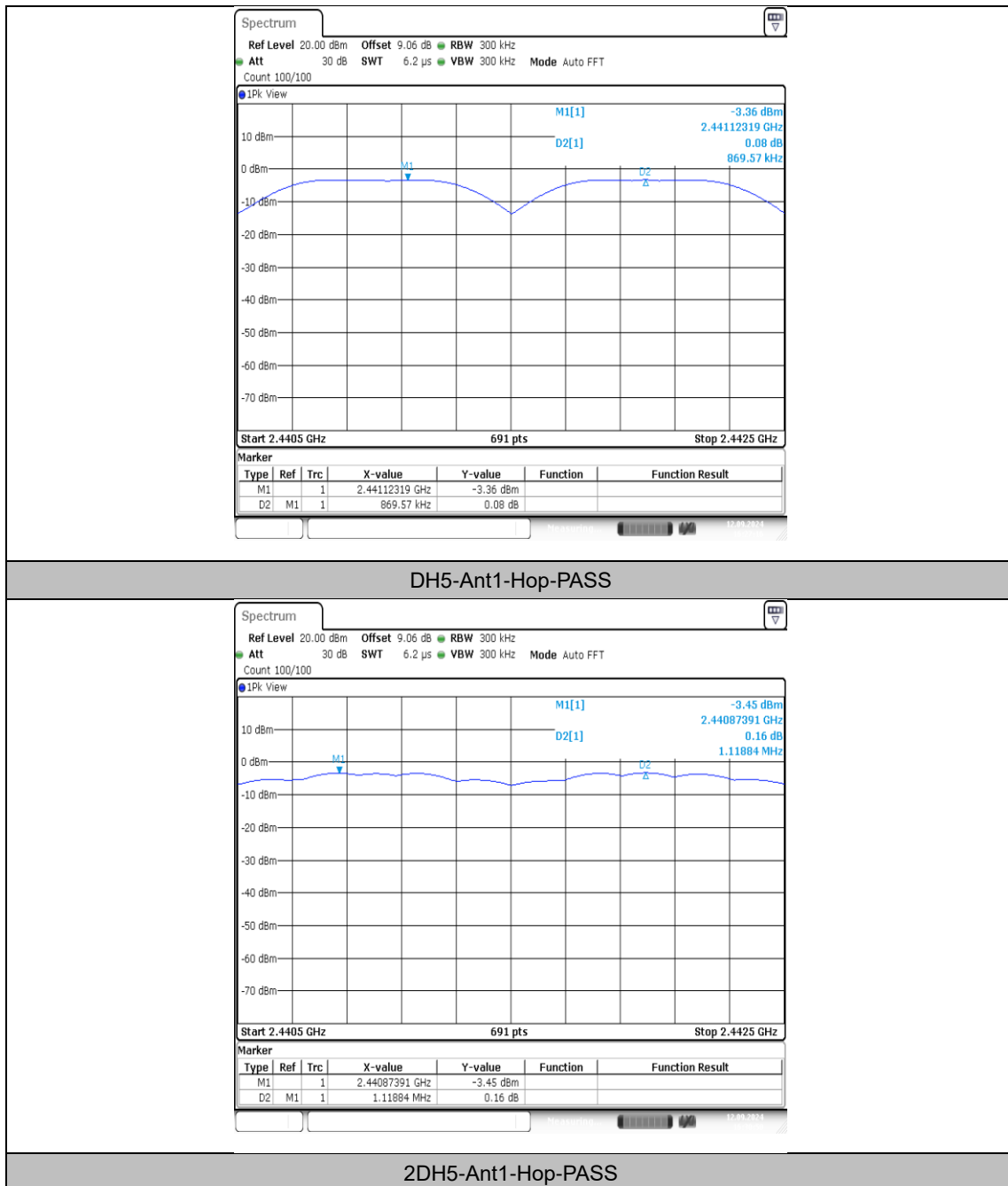


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.87	≥ 0.687	PASS
2DH5	Ant1	Hop	1.119	≥ 0.893	PASS

Test Graphs

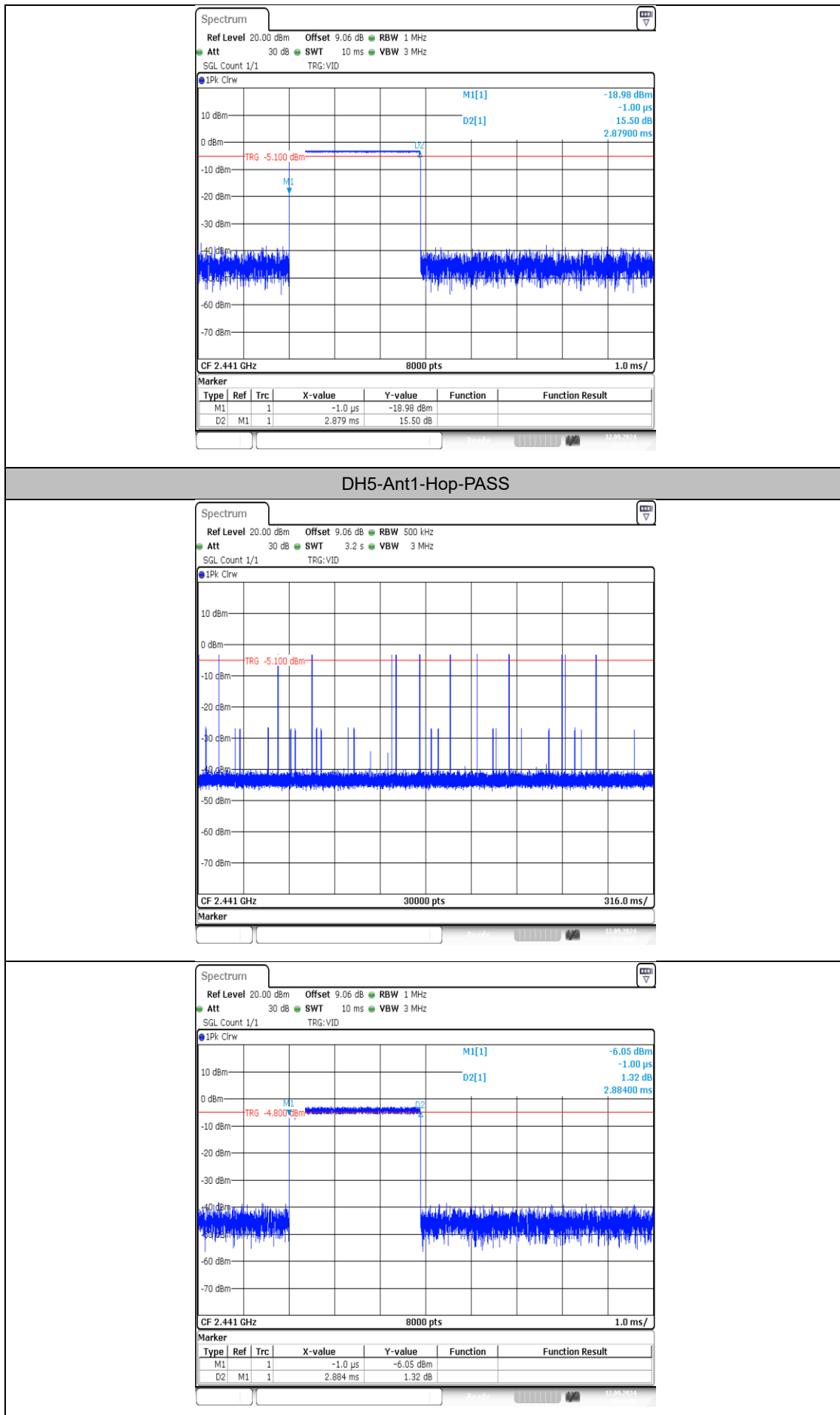


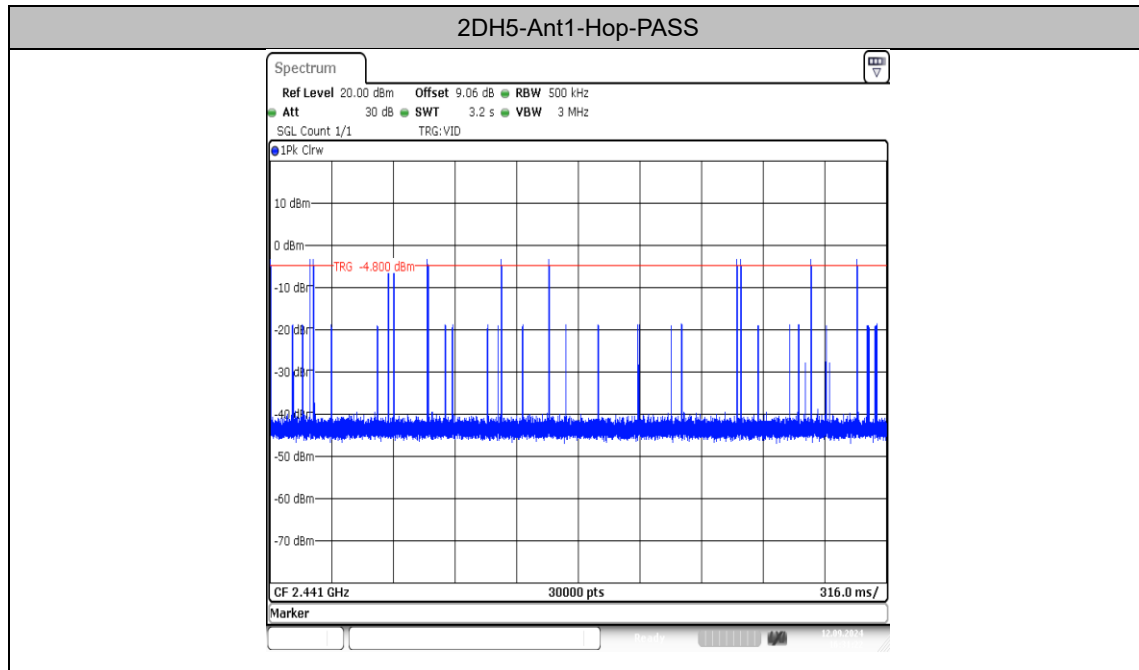
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.879	130	0.374	≤0.4	PASS
2DH5	Ant1	Hop	2.884	130	0.375	≤0.4	PASS

Test Graphs



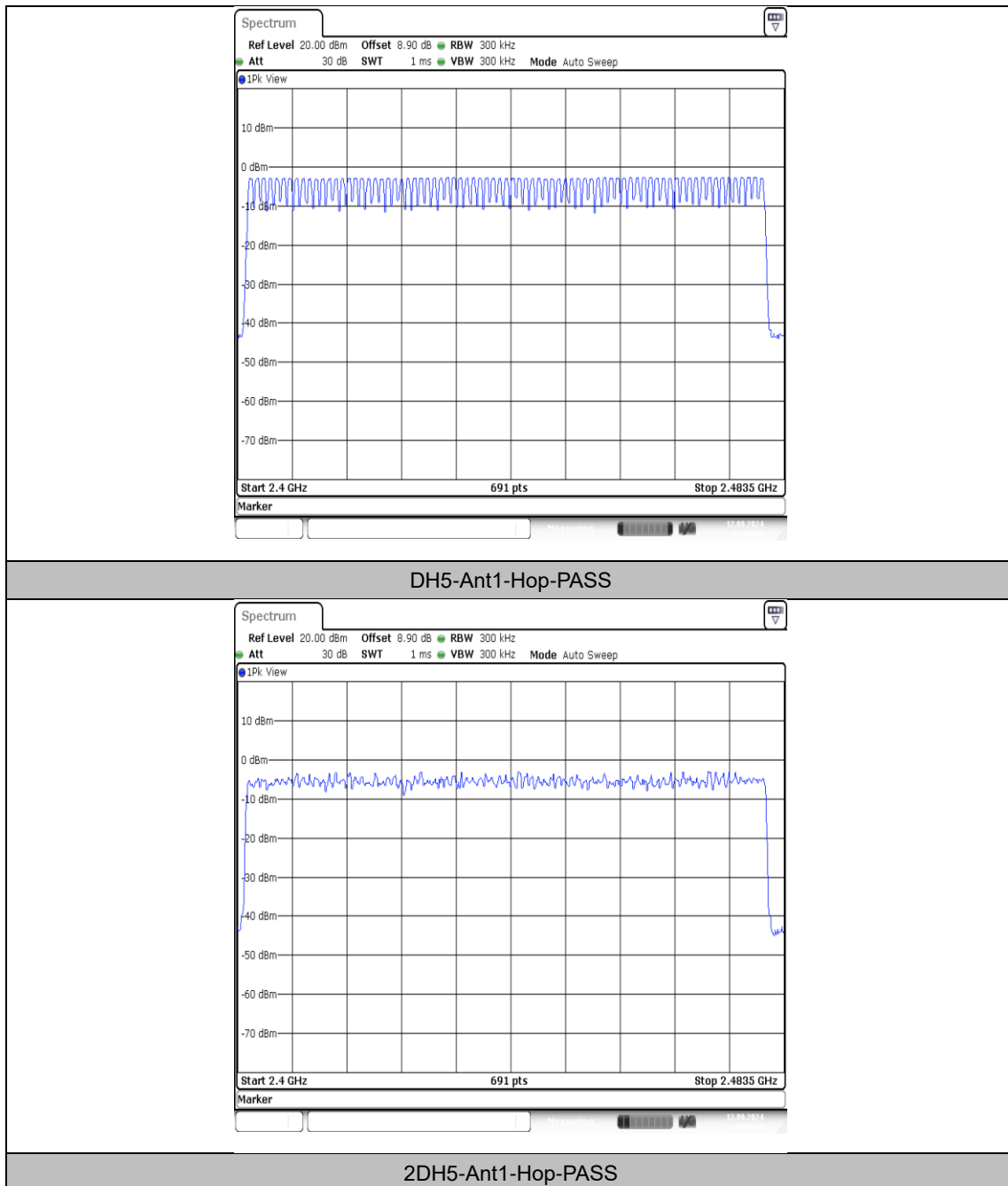


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

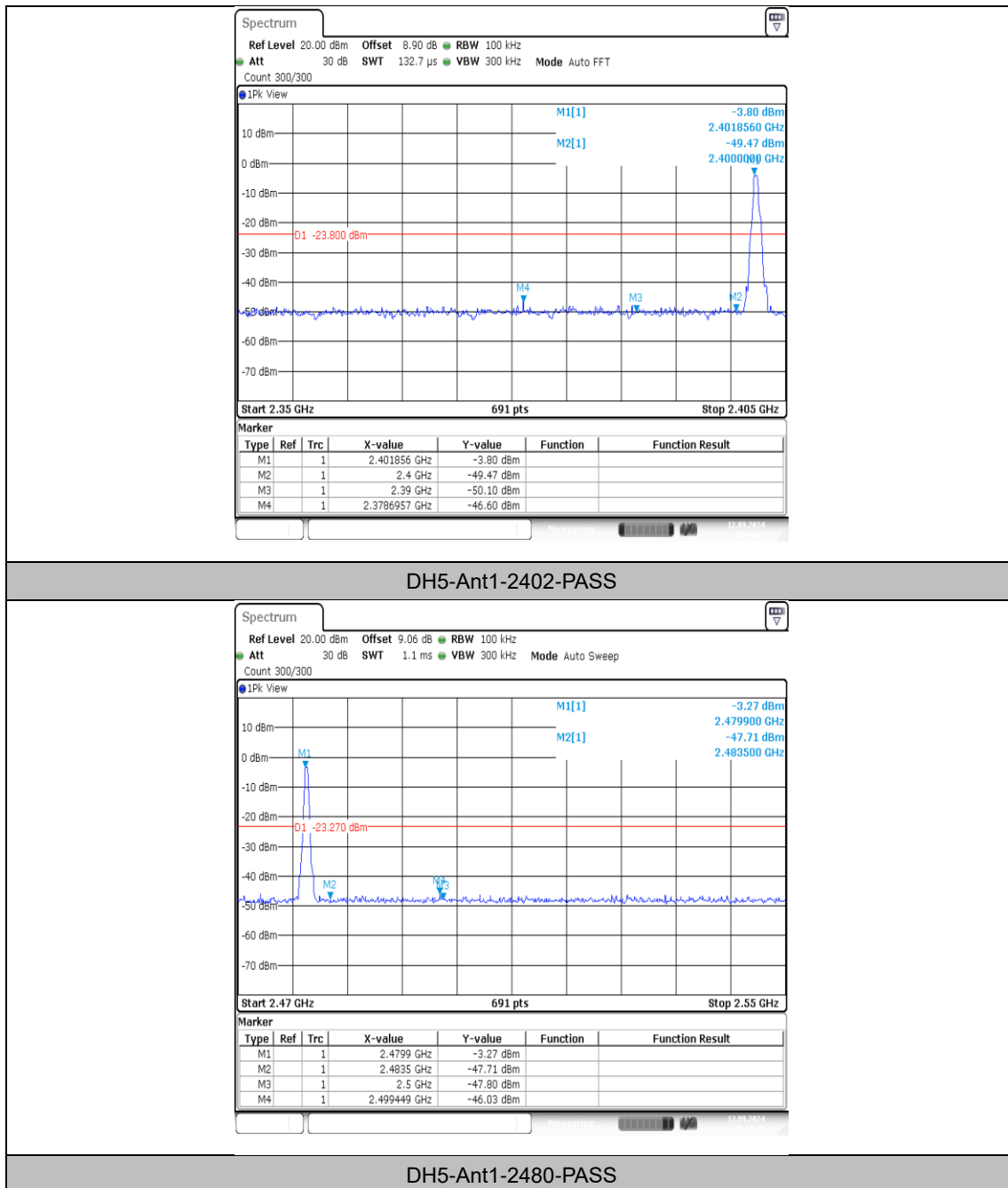


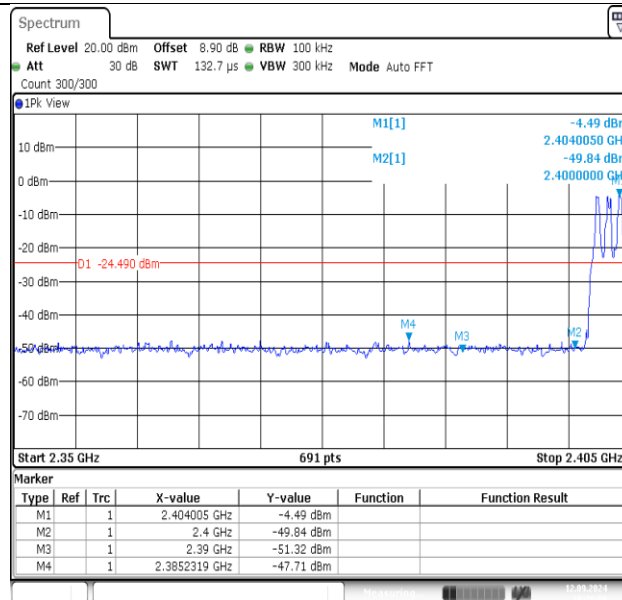
Appendix G: Band edge measurements

Test Result

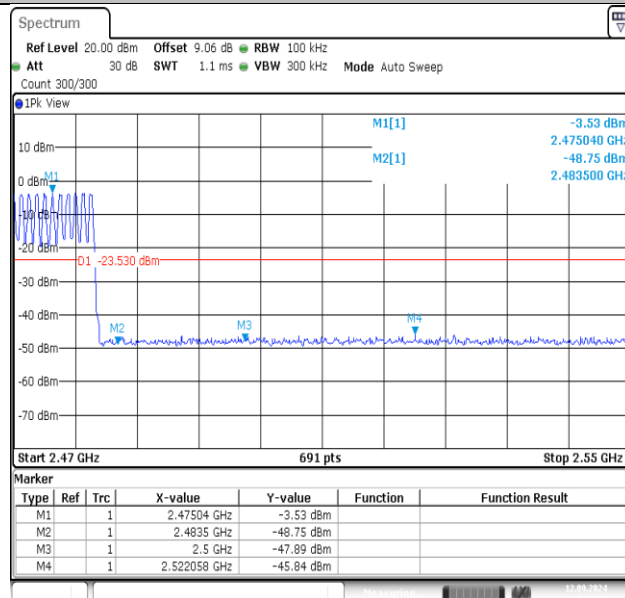
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.80	-46.6	≤-23.8	PASS
DH5	Ant1	High	2480	-3.27	-46.03	≤-23.27	PASS
DH5	Ant1	Low	Hop_2402	-4.49	-47.71	≤-24.49	PASS
DH5	Ant1	High	Hop_2480	-3.53	-45.84	≤-23.53	PASS
2DH5	Ant1	Low	2402	-3.67	-47.04	≤-23.67	PASS
2DH5	Ant1	High	2480	-3.30	-44.43	≤-23.3	PASS
2DH5	Ant1	Low	Hop_2402	-8.03	-47	≤-28.03	PASS
2DH5	Ant1	High	Hop_2480	-3.50	-45.83	≤-23.5	PASS

Test Graphs

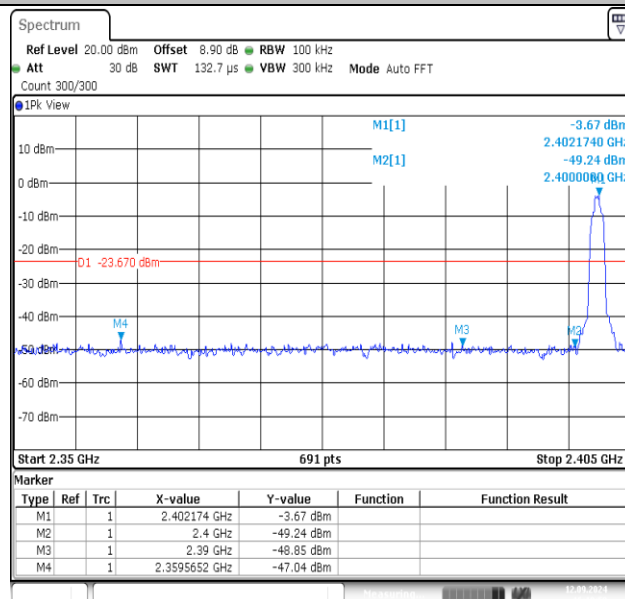




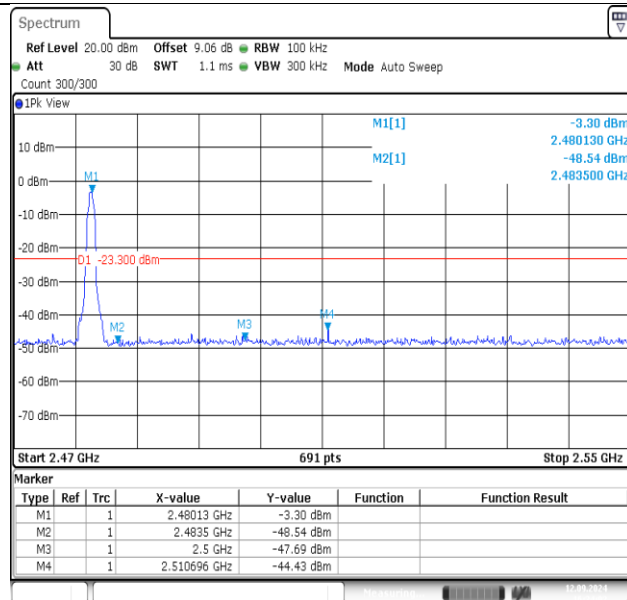
DH5-Ant1-Hop_2402-PASS



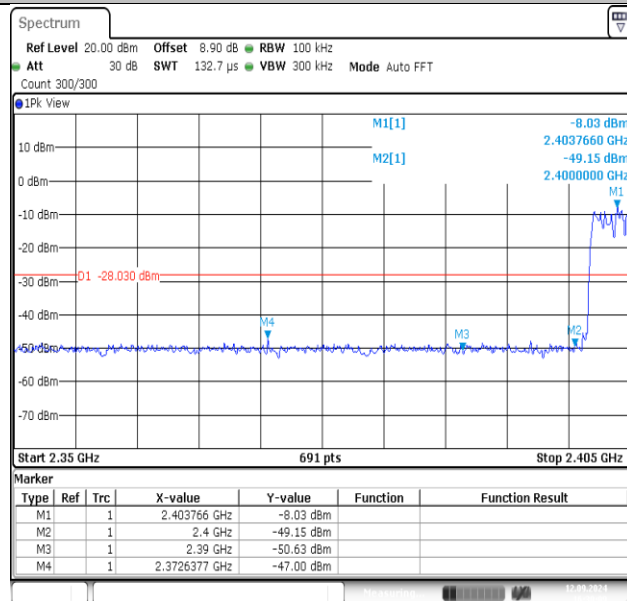
DH5-Ant1-Hop_2480-PASS



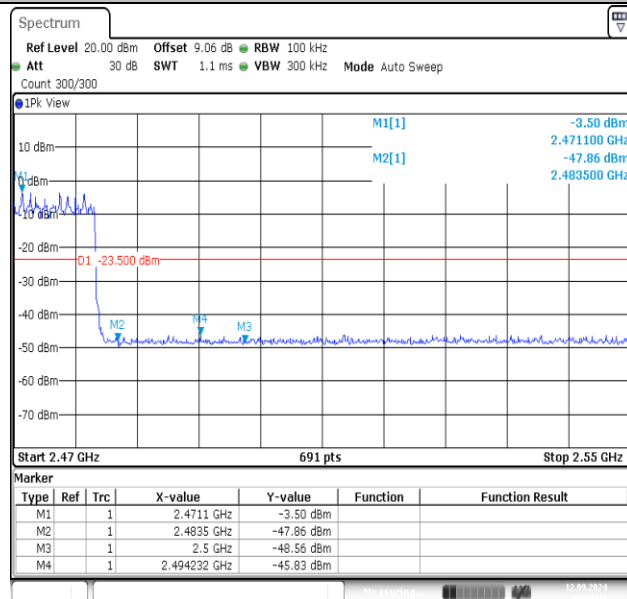
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



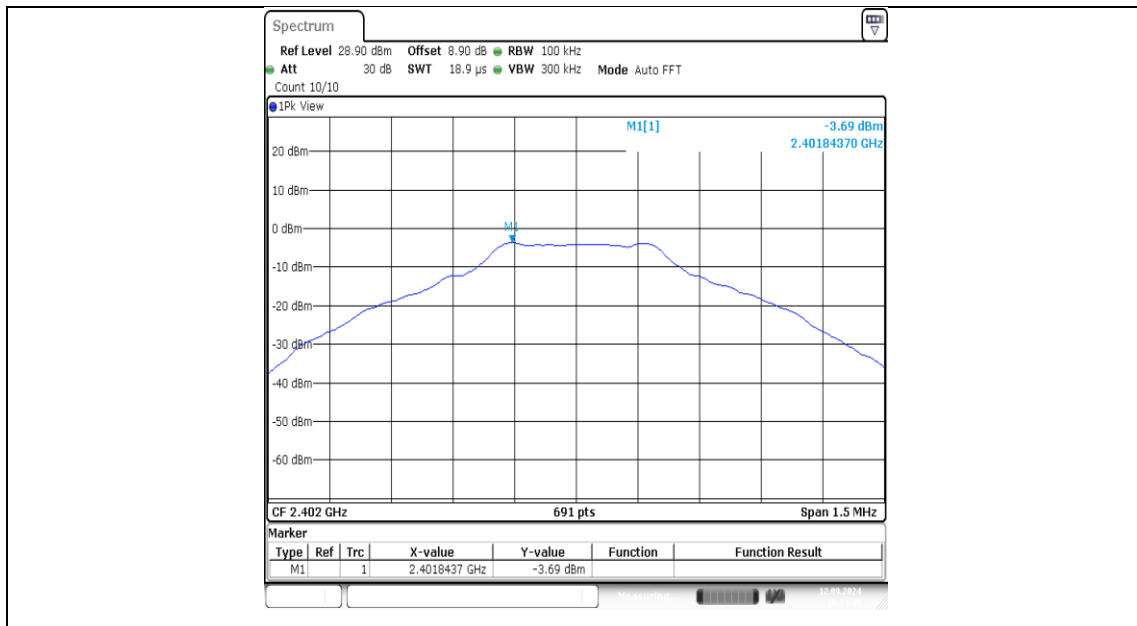
2DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

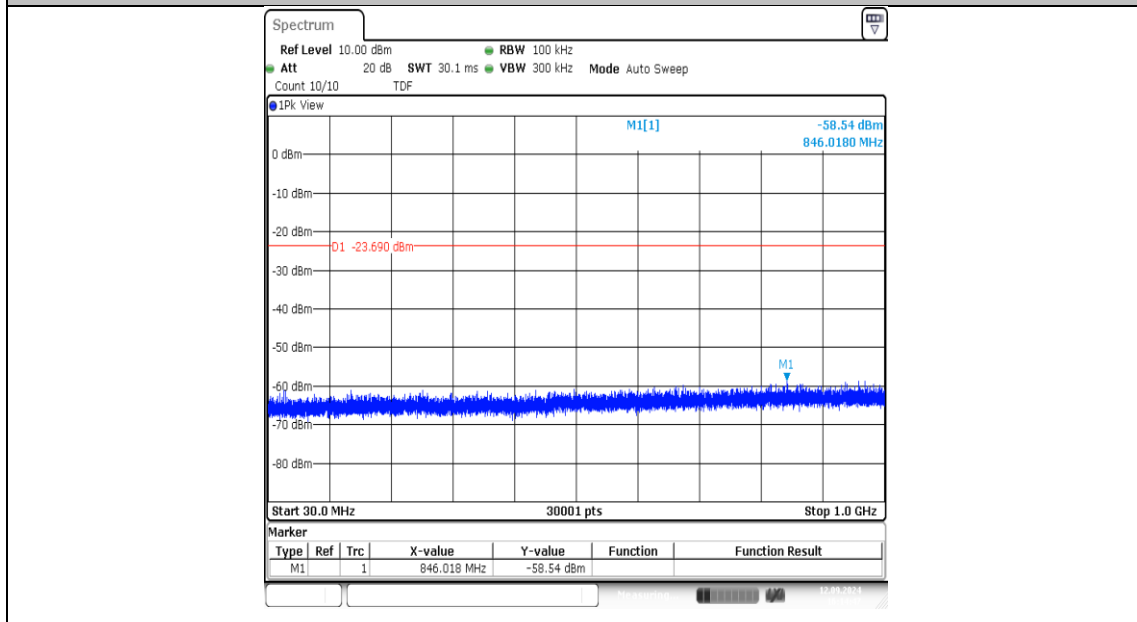
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.69	-3.69	---	PASS
DH5	Ant1	2402	30~1000	-3.69	-58.54	≤-23.69	PASS
DH5	Ant1	2402	1000~26500	-3.69	-46.42	≤-23.69	PASS
DH5	Ant1	2441	0~Reference	-3.36	-3.36	---	PASS
DH5	Ant1	2441	30~1000	-3.36	-56.89	≤-23.36	PASS
DH5	Ant1	2441	1000~26500	-3.36	-45.5	≤-23.36	PASS
DH5	Ant1	2480	0~Reference	-3.30	-3.30	---	PASS
DH5	Ant1	2480	30~1000	-3.30	-59.1	≤-23.3	PASS
DH5	Ant1	2480	1000~26500	-3.30	-45.94	≤-23.3	PASS
2DH5	Ant1	2402	0~Reference	-3.68	-3.68	---	PASS
2DH5	Ant1	2402	30~1000	-3.68	-58.89	≤-23.68	PASS
2DH5	Ant1	2402	1000~26500	-3.68	-50.1	≤-23.68	PASS
2DH5	Ant1	2441	0~Reference	-3.40	-3.40	---	PASS
2DH5	Ant1	2441	30~1000	-3.40	-58.24	≤-23.4	PASS
2DH5	Ant1	2441	1000~26500	-3.40	-47.23	≤-23.4	PASS
2DH5	Ant1	2480	0~Reference	-3.26	-3.26	---	PASS
2DH5	Ant1	2480	30~1000	-3.26	-58.89	≤-23.26	PASS
2DH5	Ant1	2480	1000~26500	-3.26	-47.92	≤-23.26	PASS

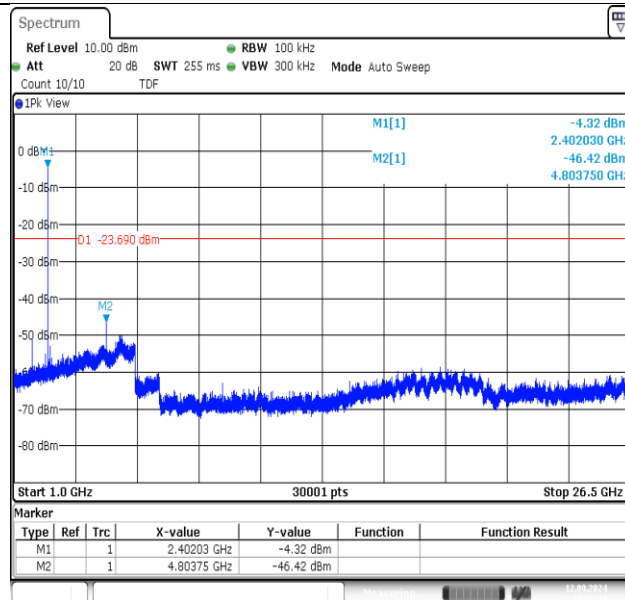
Test Graphs



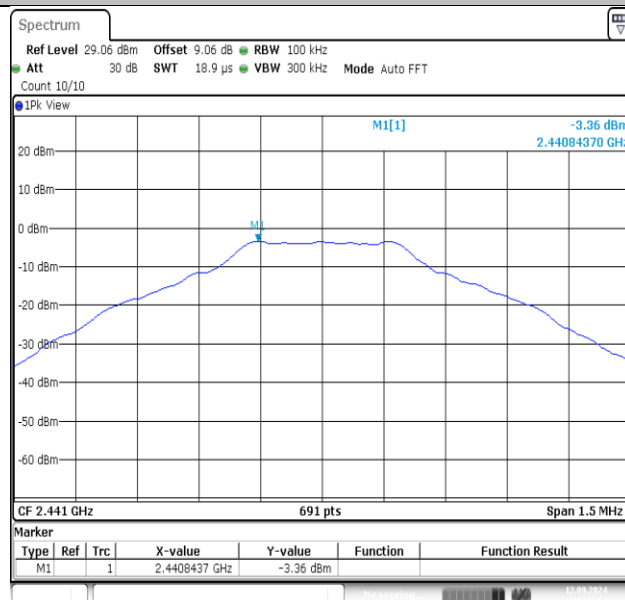
DH5-Ant1-2402-0~Reference-PASS



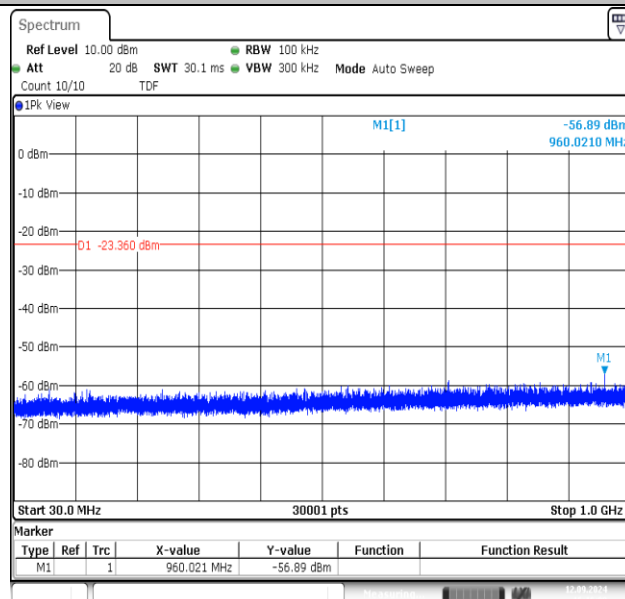
DH5-Ant1-2402-30~1000-PASS



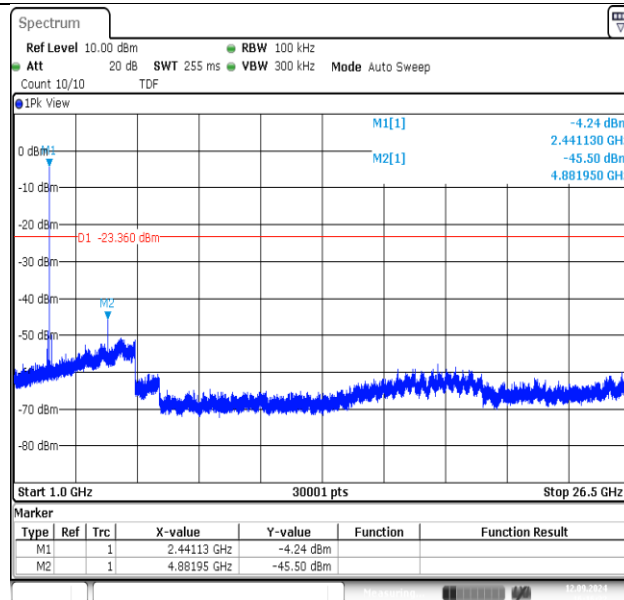
DH5-Ant1-2402-1000~26500-PASS



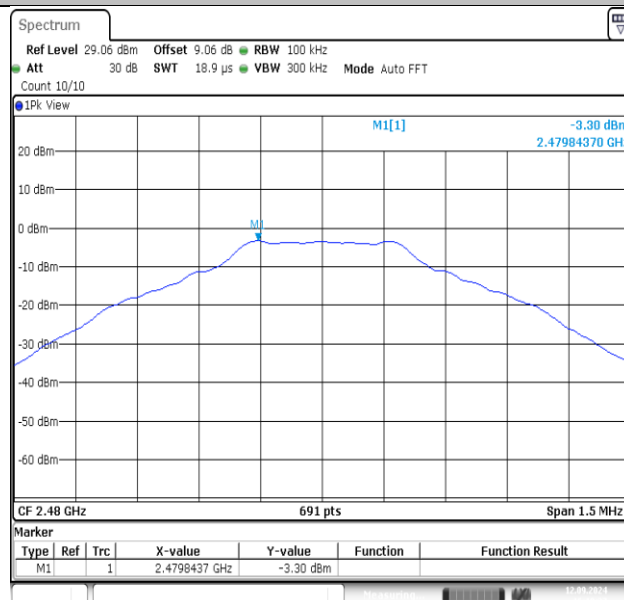
DH5-Ant1-2441-0~Reference-PASS



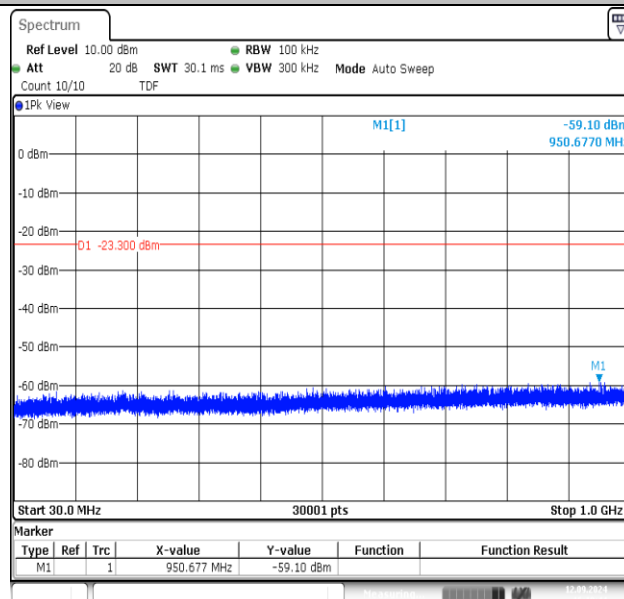
DH5-Ant1-2441-30~1000-PASS



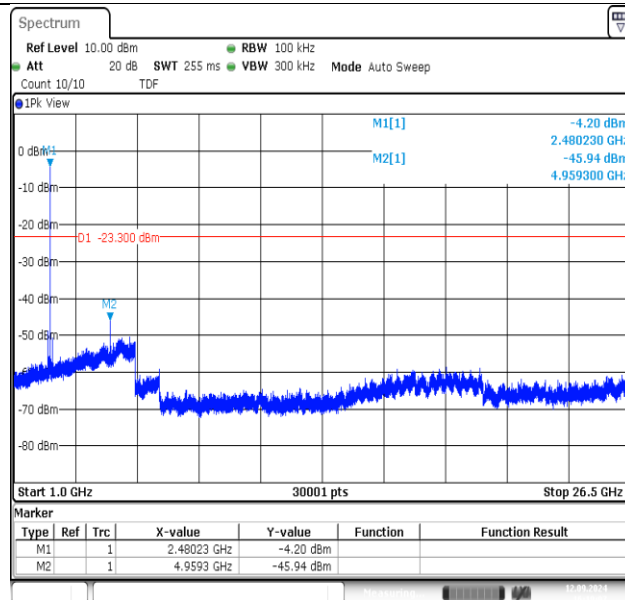
DH5-Ant1-2441-1000~26500-PASS



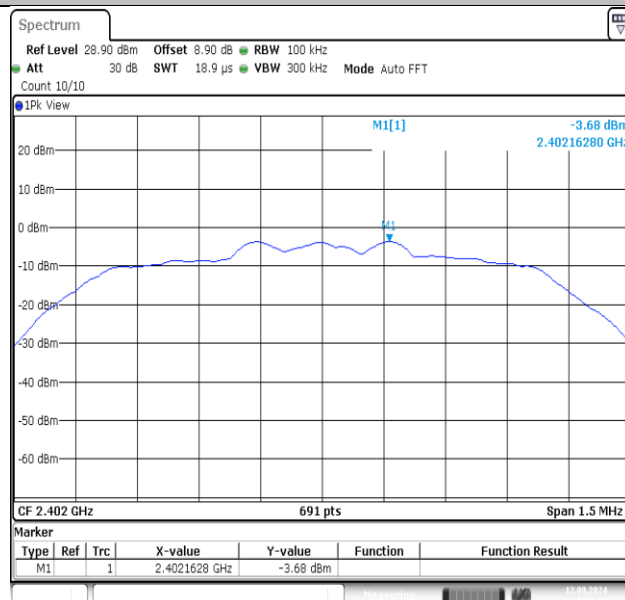
DH5-Ant1-2480-0~Reference-PASS



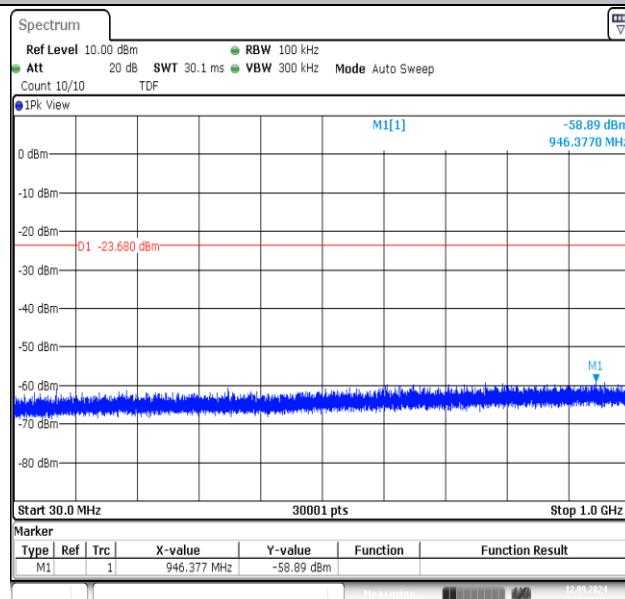
DH5-Ant1-2480-30~1000-PASS



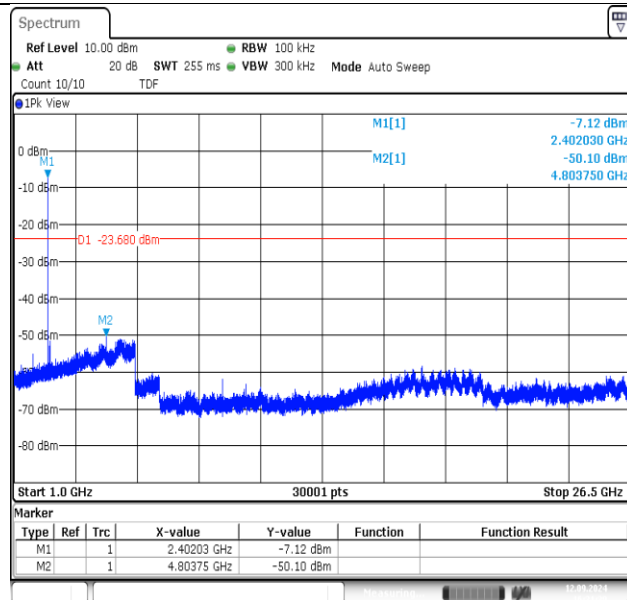
DH5-Ant1-2480-1000~26500-PASS



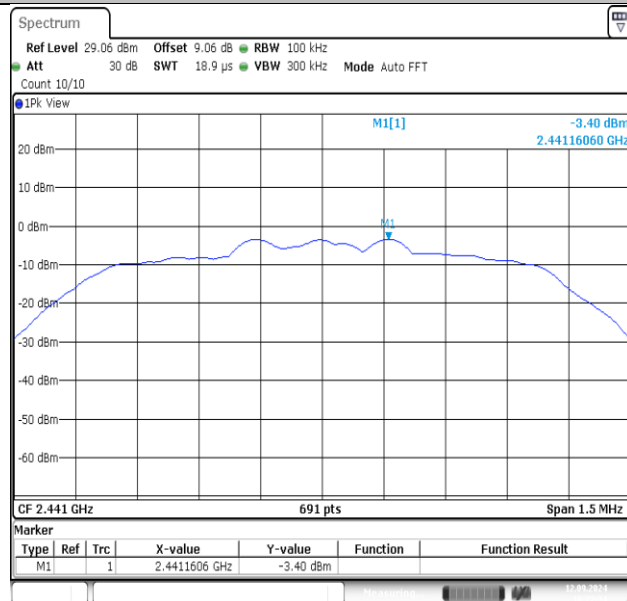
2DH5-Ant1-2402-0~Reference-PASS



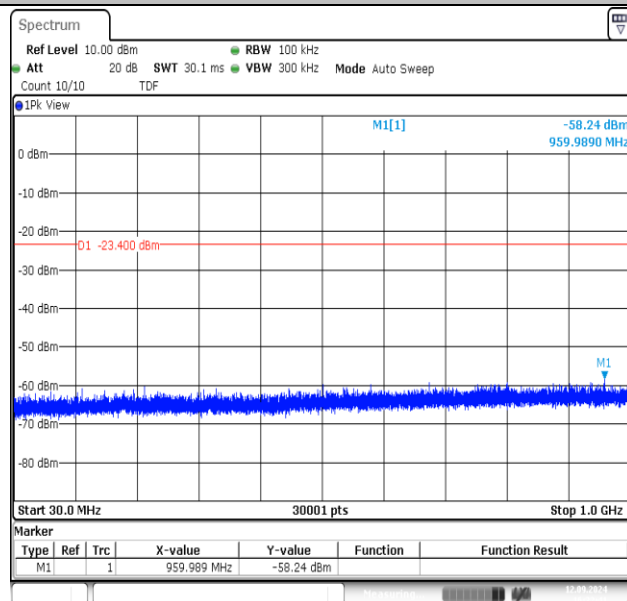
2DH5-Ant1-2402-30~1000-PASS



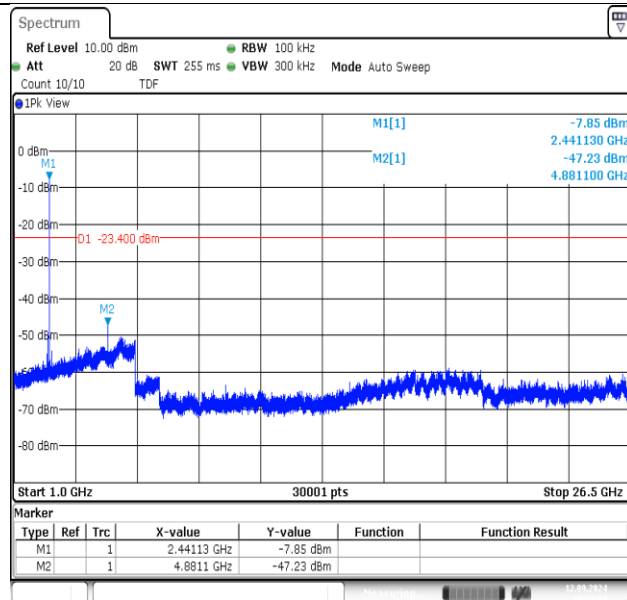
2DH5-Ant1-2402-1000~26500-PASS



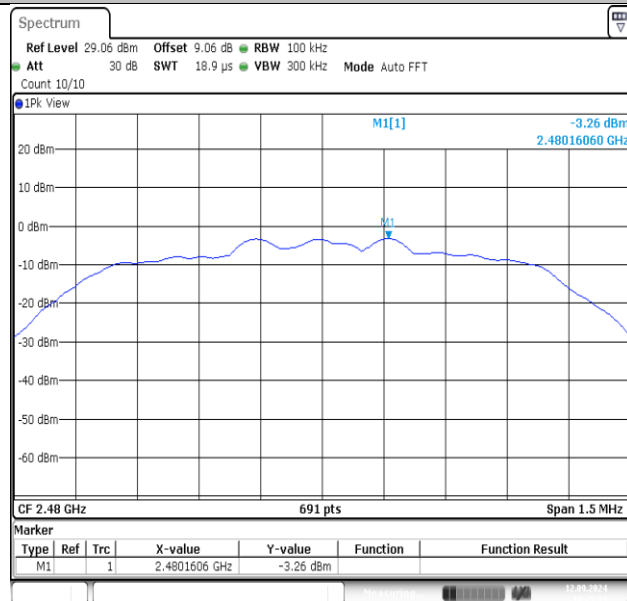
2DH5-Ant1-2441-0~Reference-PASS



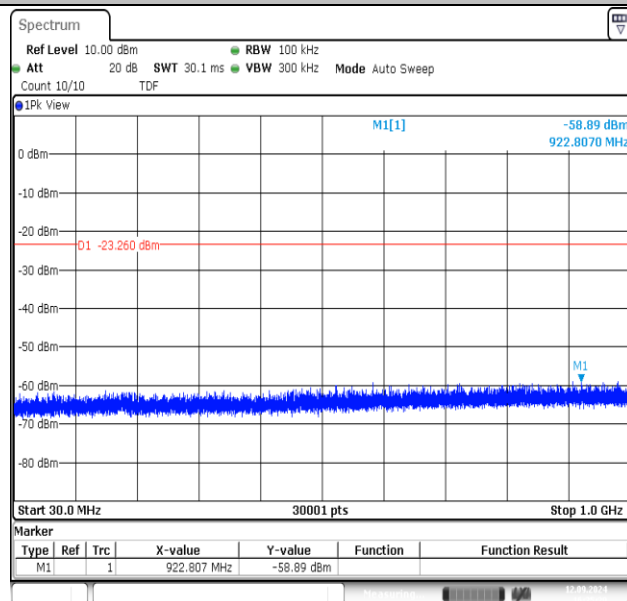
2DH5-Ant1-2441-30~1000-PASS



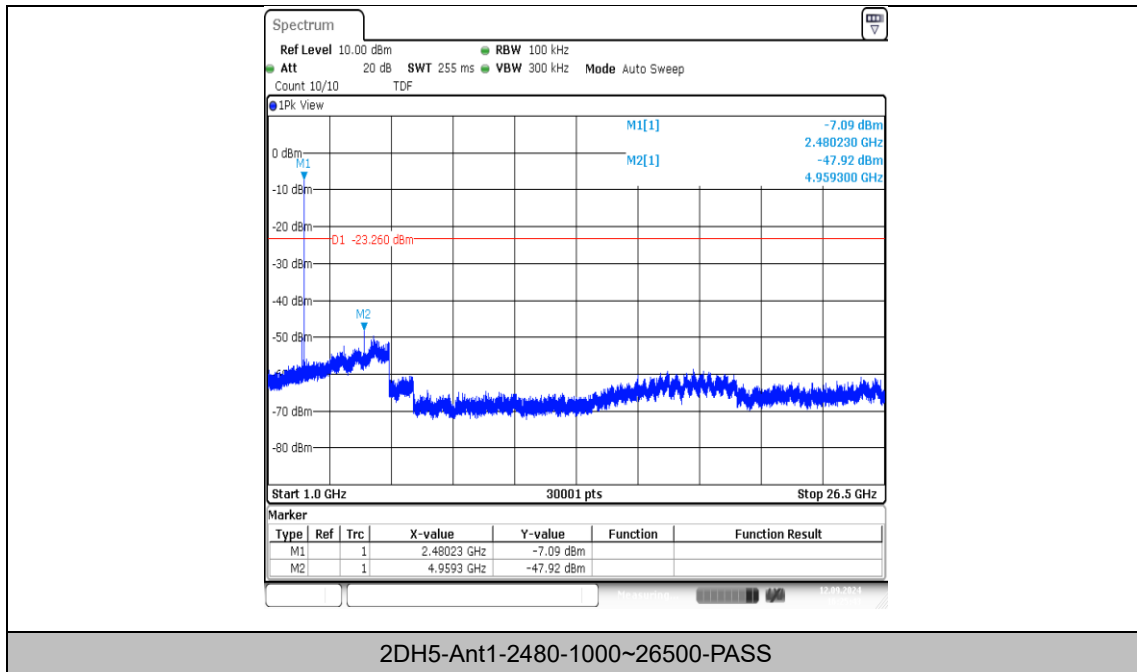
2DH5-Ant1-2441-1000~26500-PASS



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



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

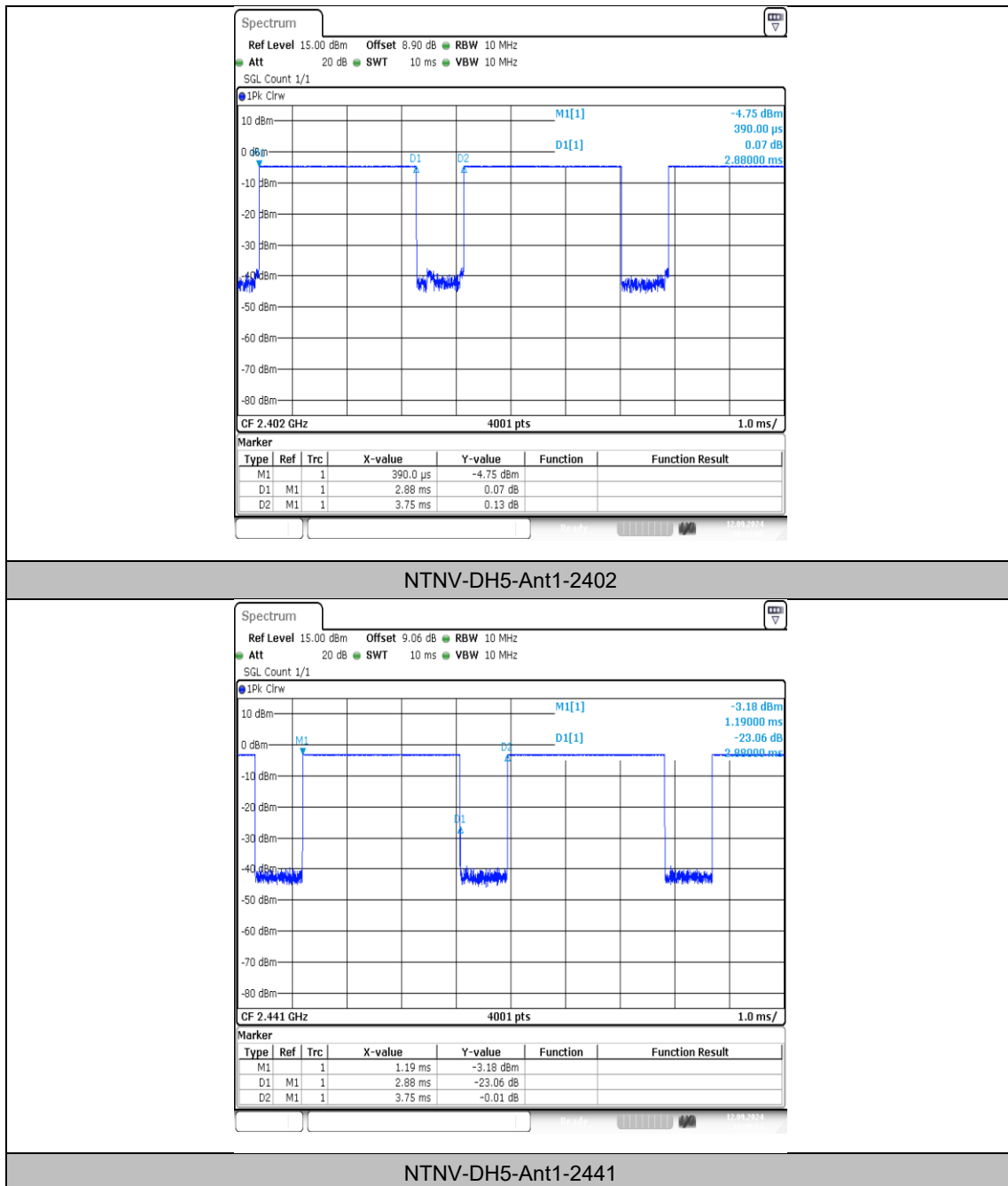


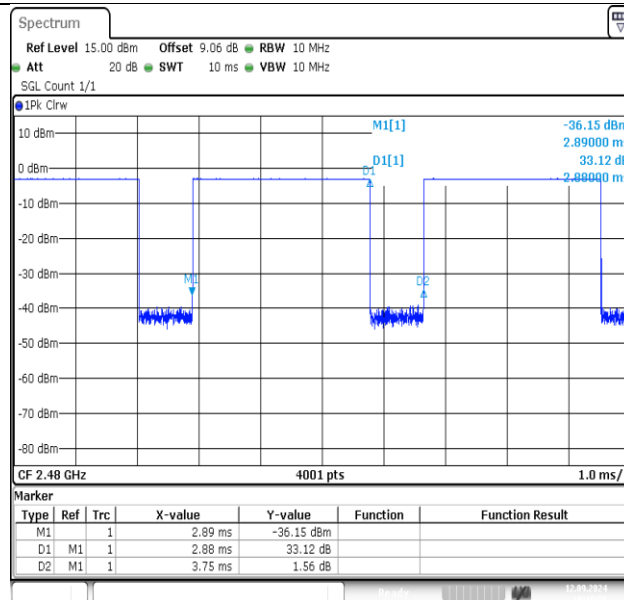
Appendix I: Duty Cycle

Test Result

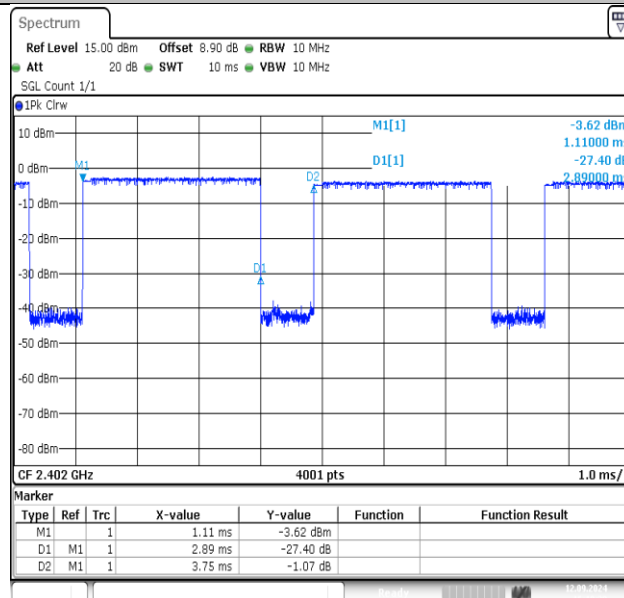
TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.88	3.75	76.80	1.15

Test Graphs

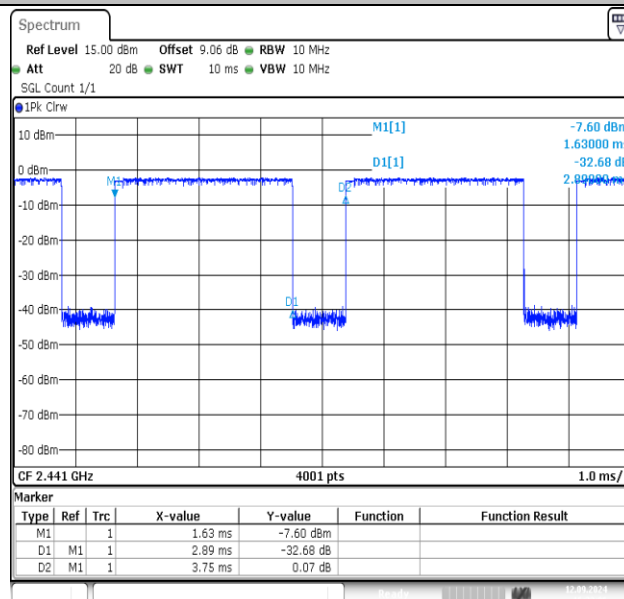




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

