

Appendix Test Data

Report No:	1812C40019512501	Test Sample NO:	1-2-2
Start Test Date:	2024.9.12	Finish Test Date:	2024.9.12
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	23.7℃	Relative Humidity:	55%
Pressure:	101 kPa		

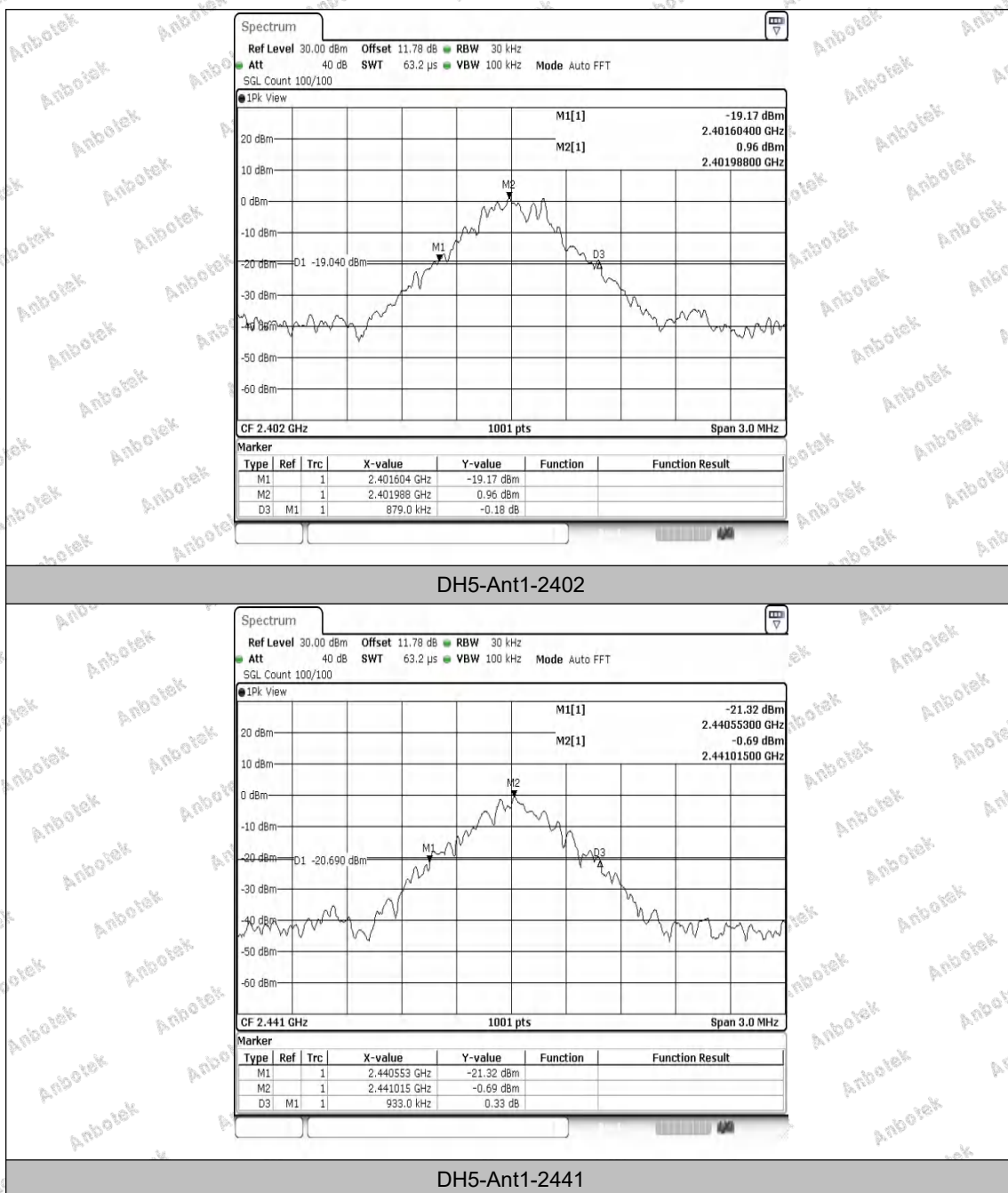
Appendix A: 20dB Emission Bandwidth

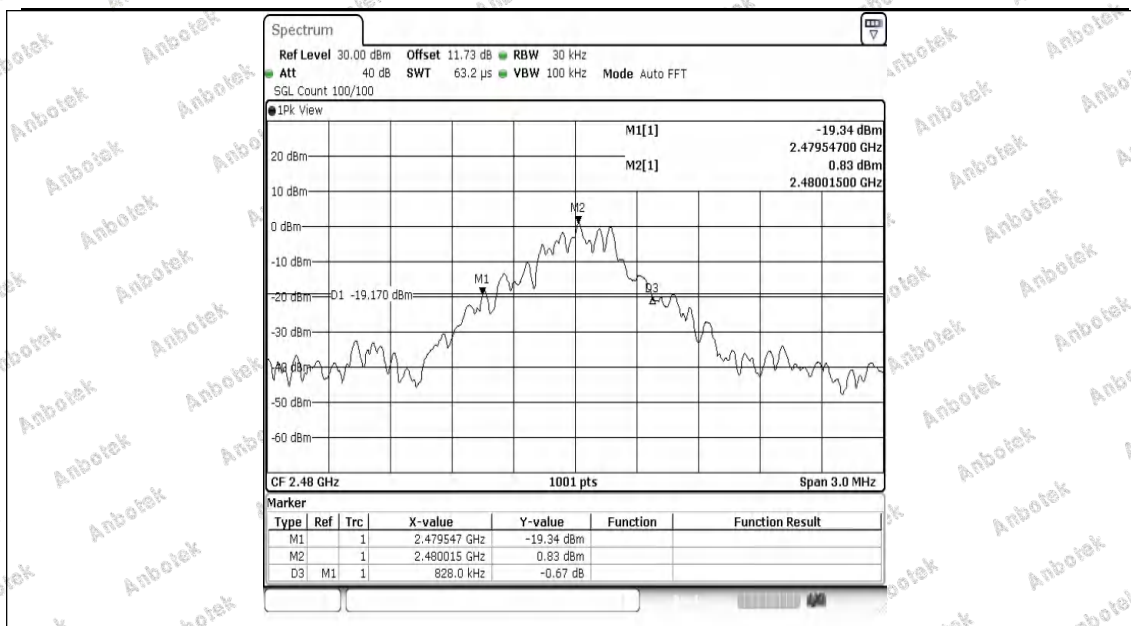
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88	2401.60	2402.48	---	---
DH5	Ant1	2441	0.93	2440.55	2441.49	---	---
DH5	Ant1	2480	0.83	2479.55	2480.38	---	---
2DH5	Ant1	2402	1.28	2401.37	2402.65	---	---
2DH5	Ant1	2441	1.24	2440.39	2441.64	---	---
2DH5	Ant1	2480	1.28	2479.39	2480.66	---	---
3DH5	Ant1	2402	1.27	2401.37	2402.64	---	---
3DH5	Ant1	2441	1.28	2440.36	2441.65	---	---
3DH5	Ant1	2480	1.35	2479.33	2480.68	---	---

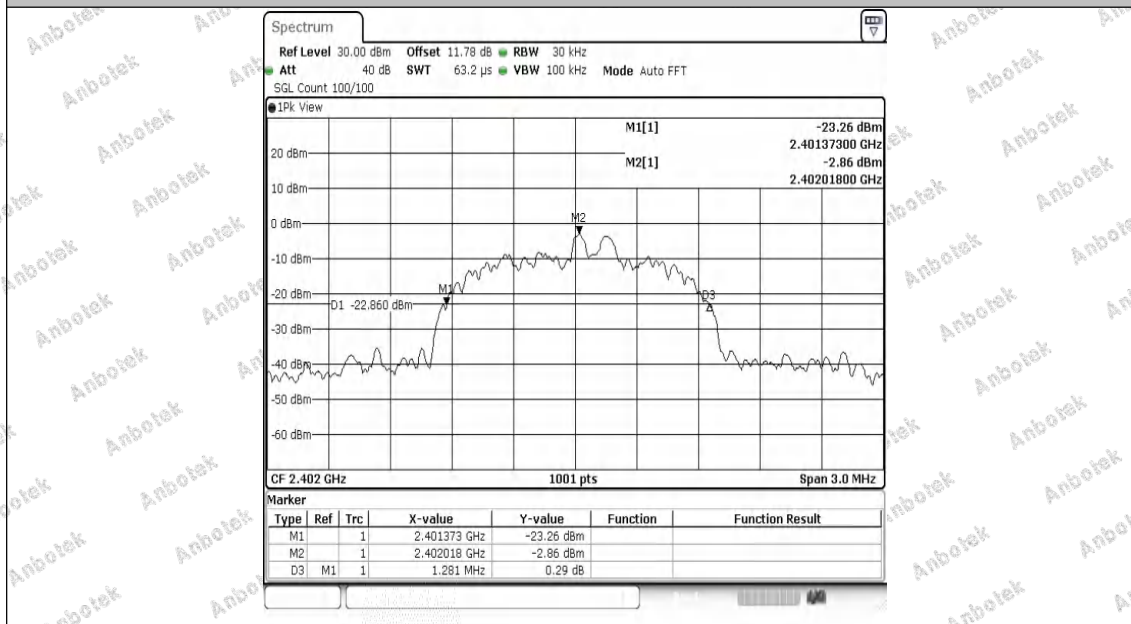


Test Graphs



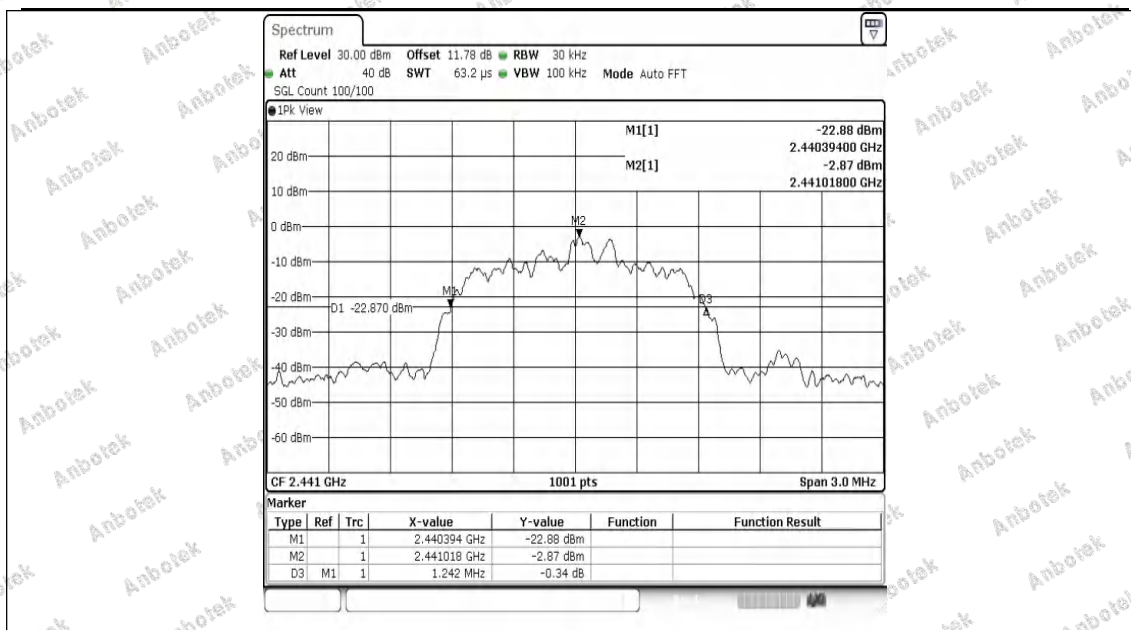


DH5-Ant1-2480

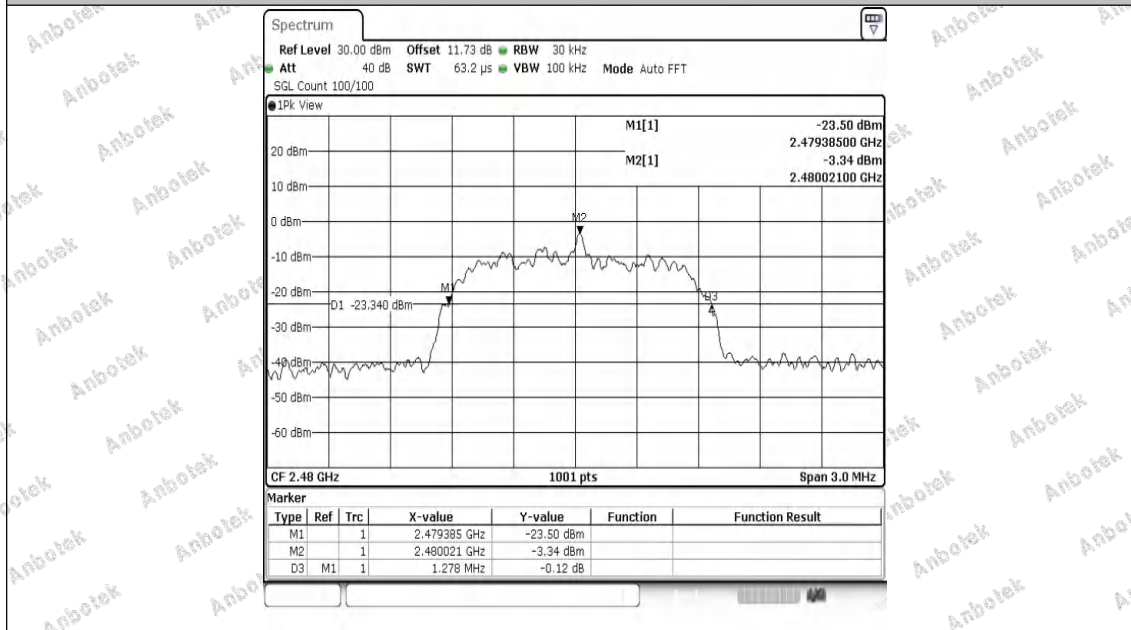


2DH5-Ant1-2402



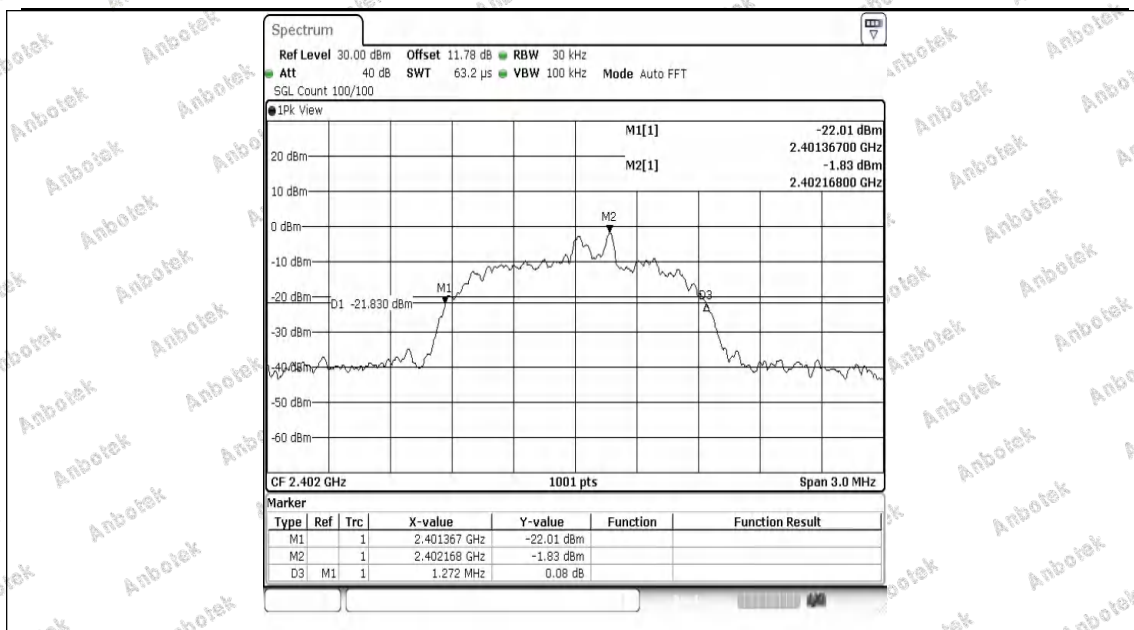


2DH5-Ant1-2441

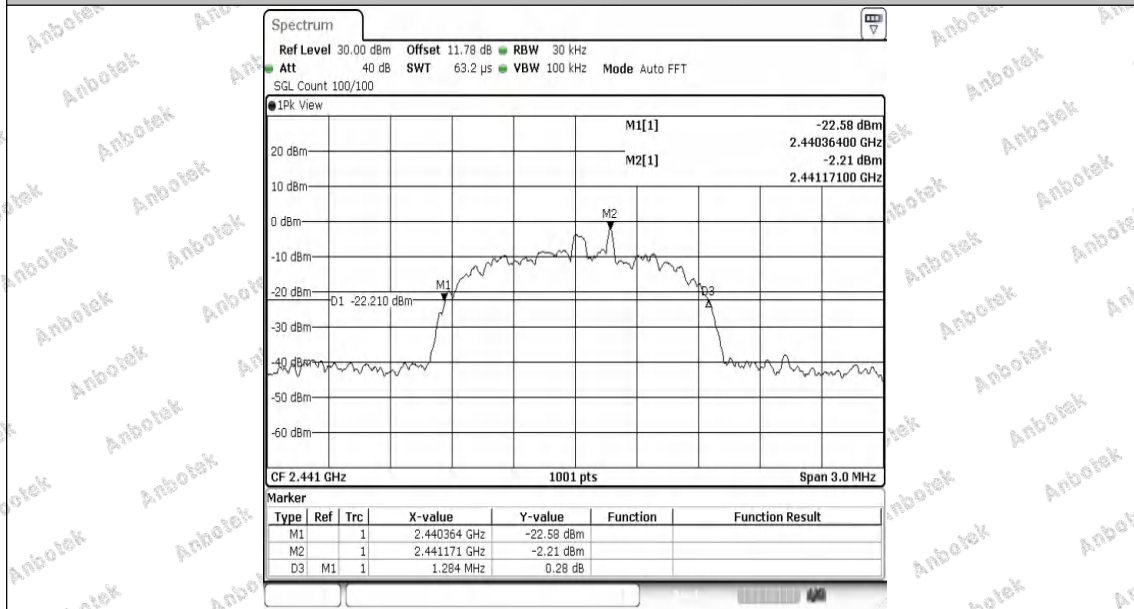


2DH5-Ant1-2480



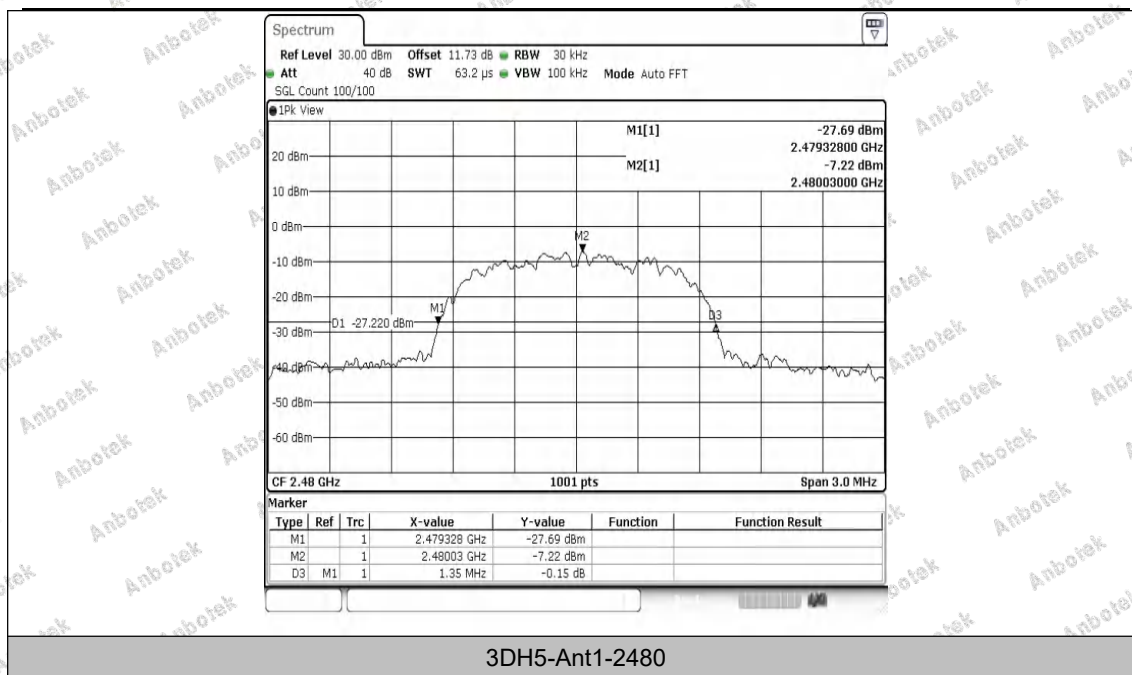


3DH5-Ant1-2402



3DH5-Ant1-2441





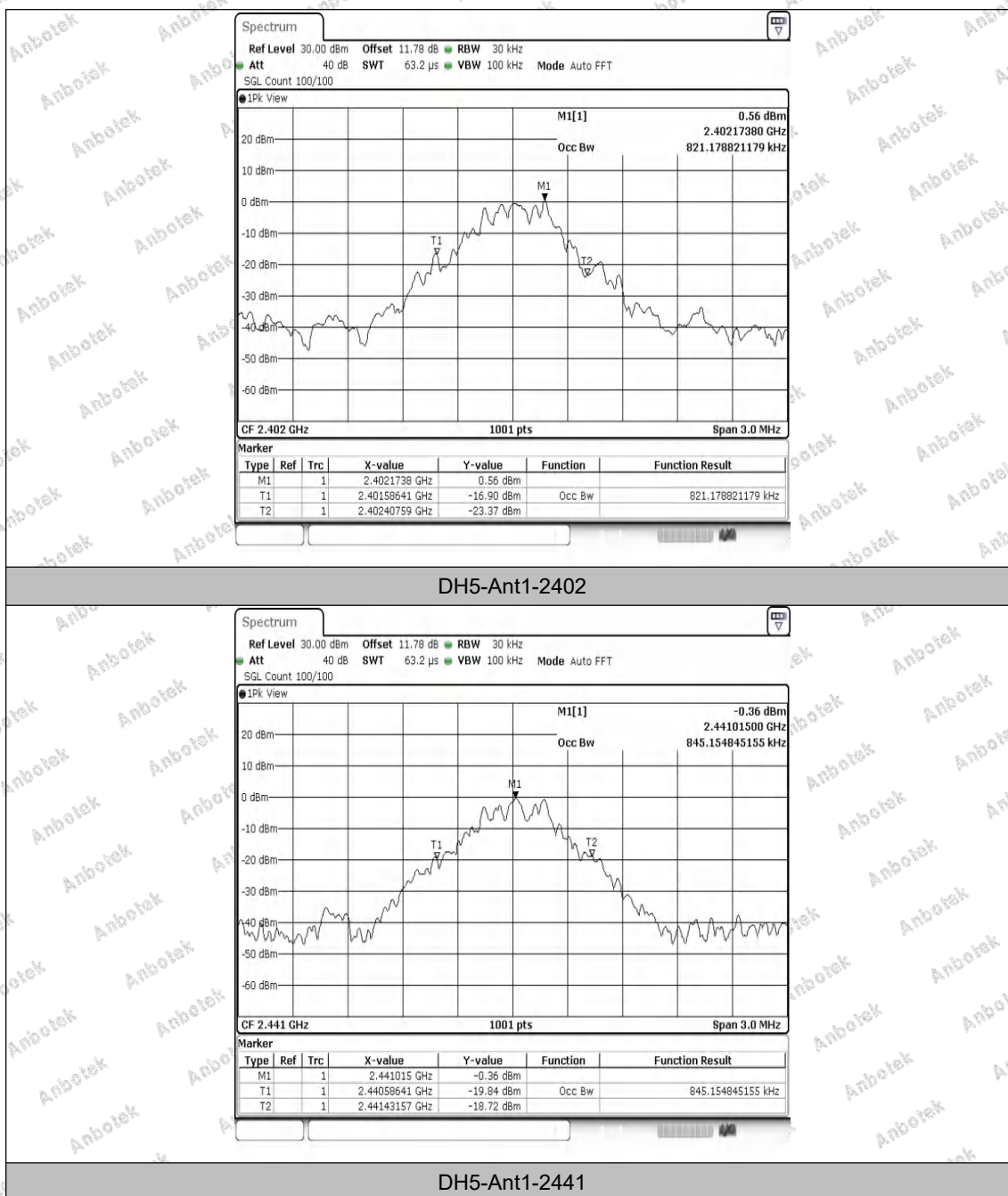
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.821	2401.5864	2402.4076	---	---
DH5	Ant1	2441	0.845	2440.5864	2441.4316	---	---
DH5	Ant1	2480	0.845	2479.5804	2480.4256	---	---
2DH5	Ant1	2402	1.181	2401.4216	2402.6024	---	---
2DH5	Ant1	2441	1.169	2440.4276	2441.5964	---	---
2DH5	Ant1	2480	1.169	2479.4186	2480.5874	---	---
3DH5	Ant1	2402	1.208	2401.4006	2402.6084	---	---
3DH5	Ant1	2441	1.19	2440.4126	2441.6024	---	---
3DH5	Ant1	2480	1.19	2479.4096	2480.5994	---	---

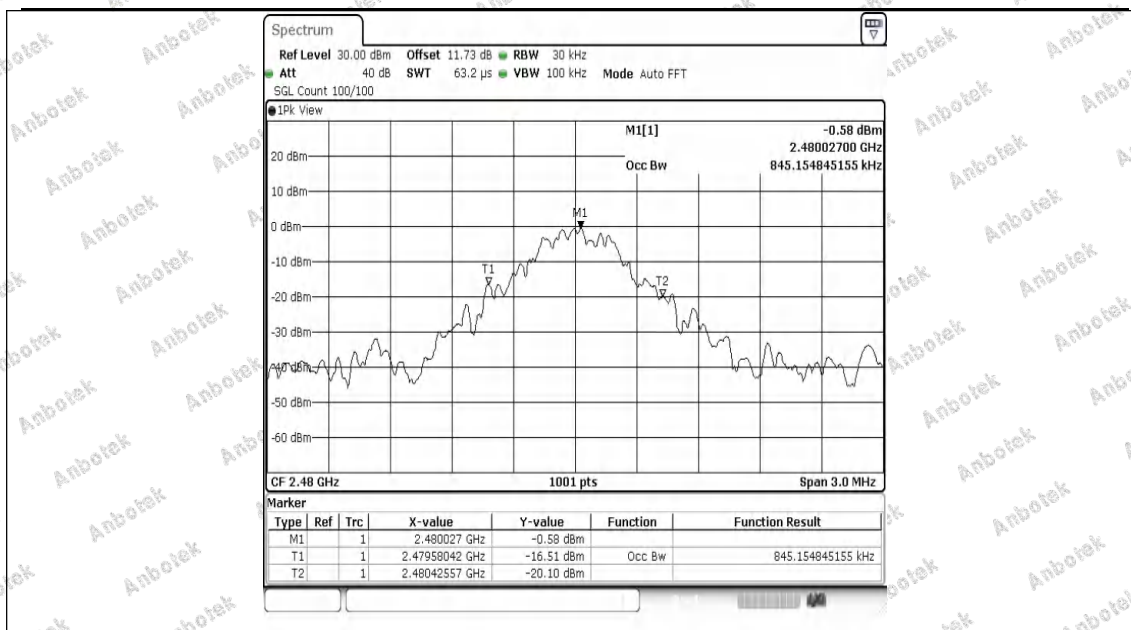


Test Graphs

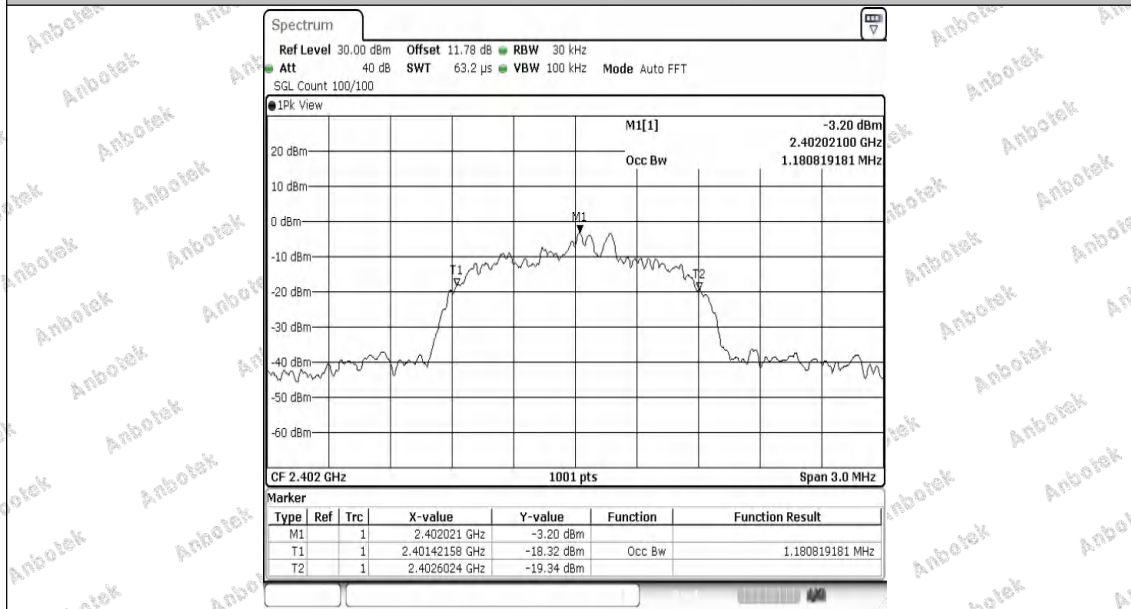


DH5-Ant1-2441



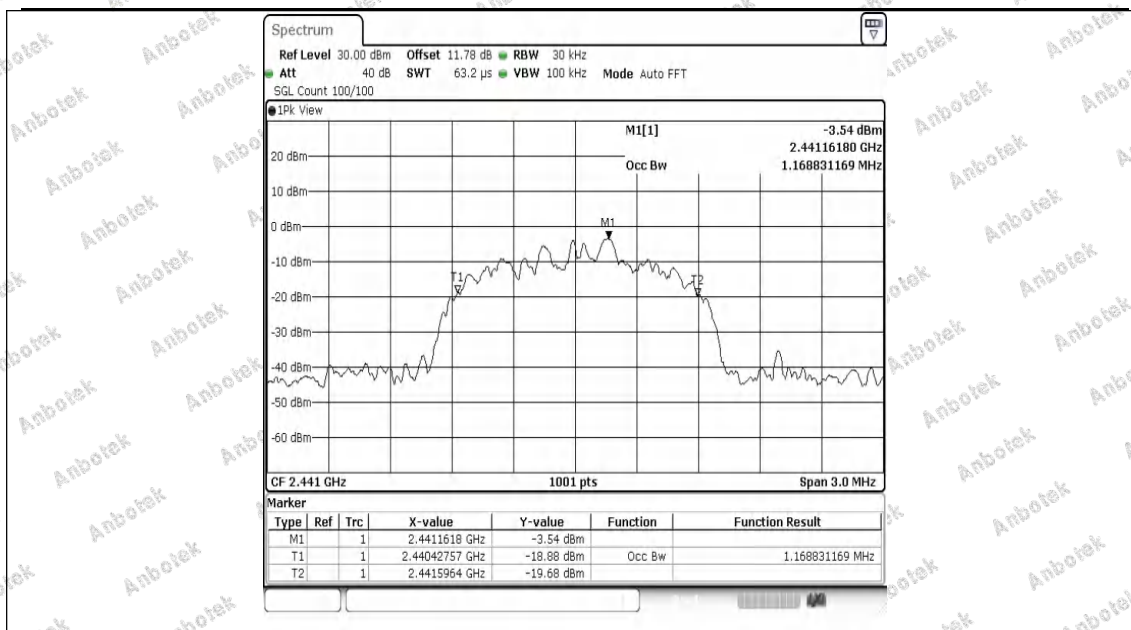


DH5-Ant1-2480

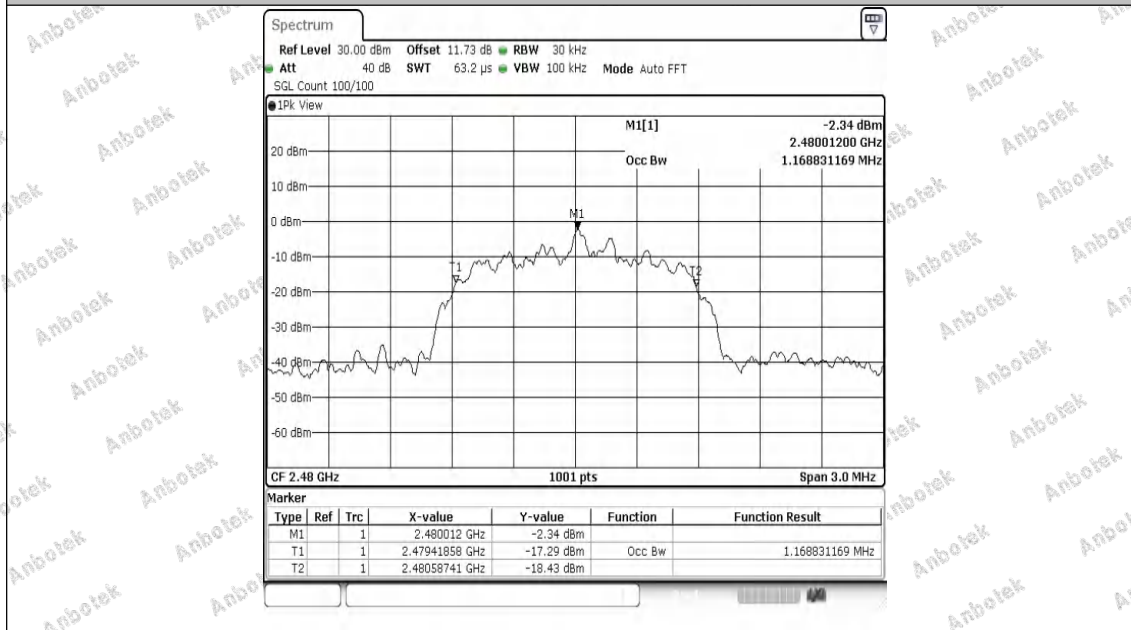


2DH5-Ant1-2402



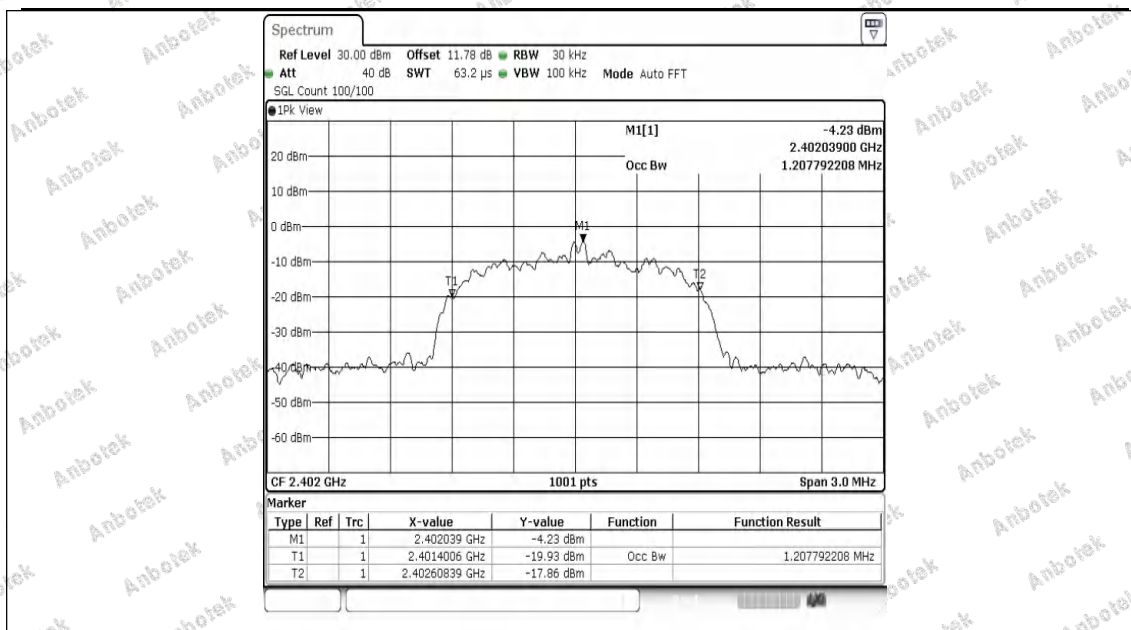


2DH5-Ant1-2441

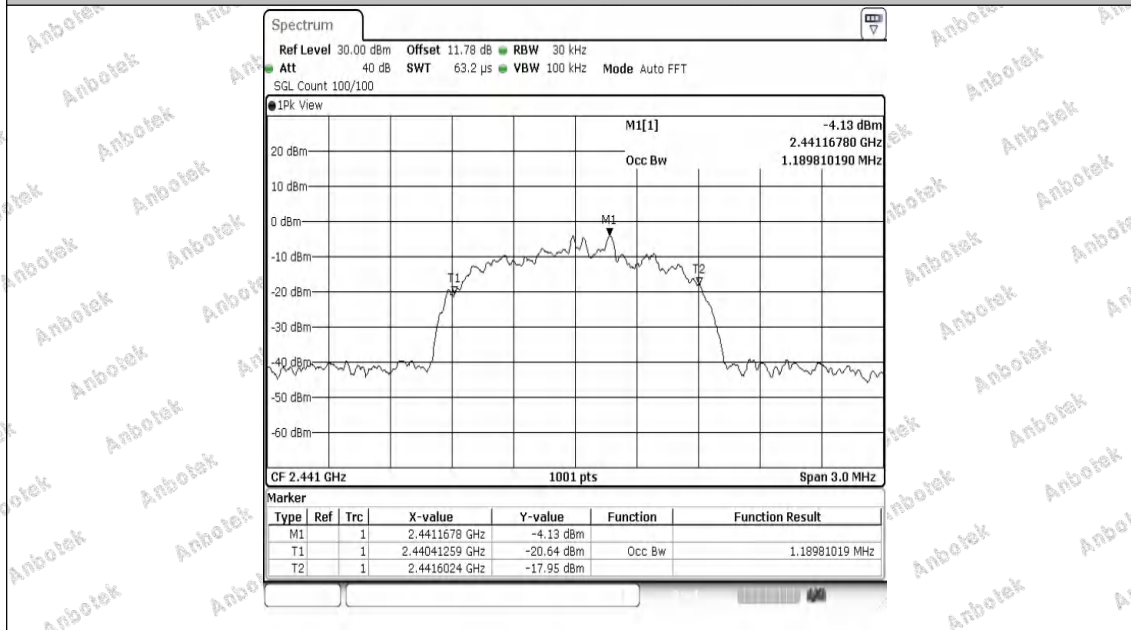


2DH5-Ant1-2480



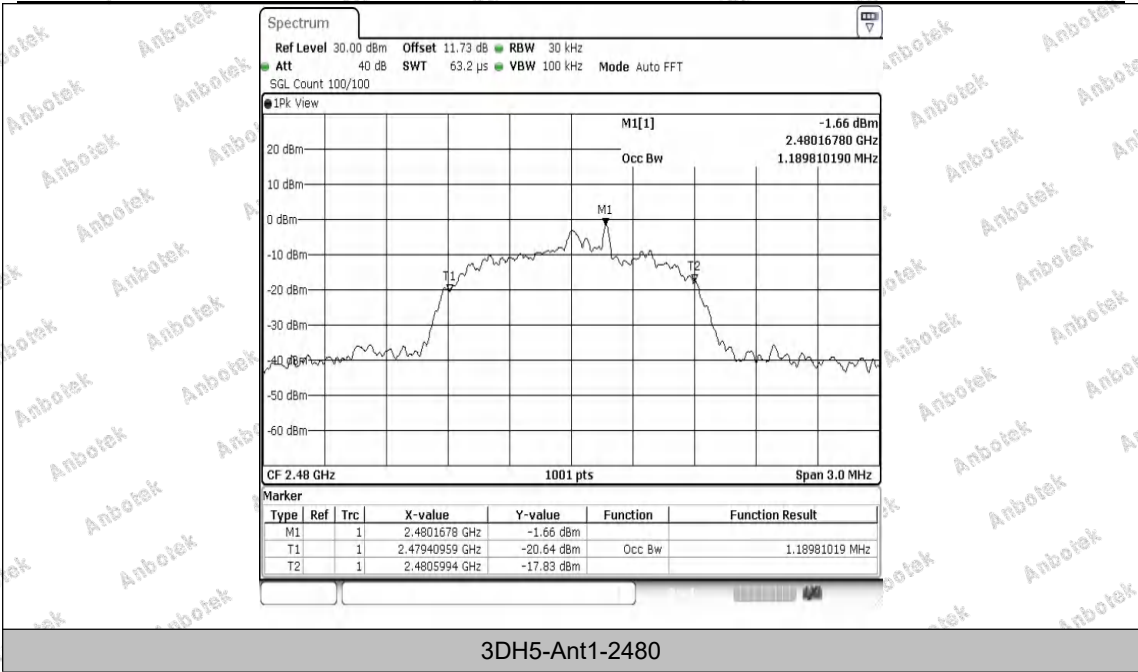


3DH5-Ant1-2402



3DH5-Ant1-2441





Appendix C: Maximum conducted output power

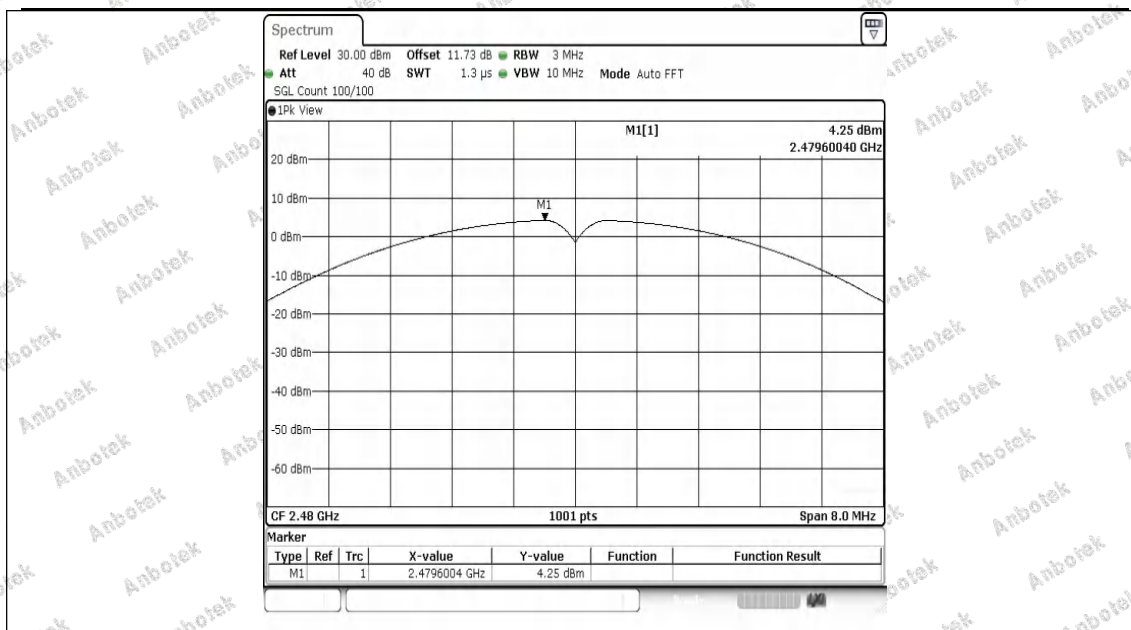
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.12	≤20.97	PASS
DH5	Ant1	2441	4.13	≤20.97	PASS
DH5	Ant1	2480	4.25	≤20.97	PASS
2DH5	Ant1	2402	1.26	≤20.97	PASS
2DH5	Ant1	2441	1.41	≤20.97	PASS
2DH5	Ant1	2480	1.54	≤20.97	PASS
3DH5	Ant1	2402	1.16	≤20.97	PASS
3DH5	Ant1	2441	1.24	≤20.97	PASS
3DH5	Ant1	2480	1.46	≤20.97	PASS

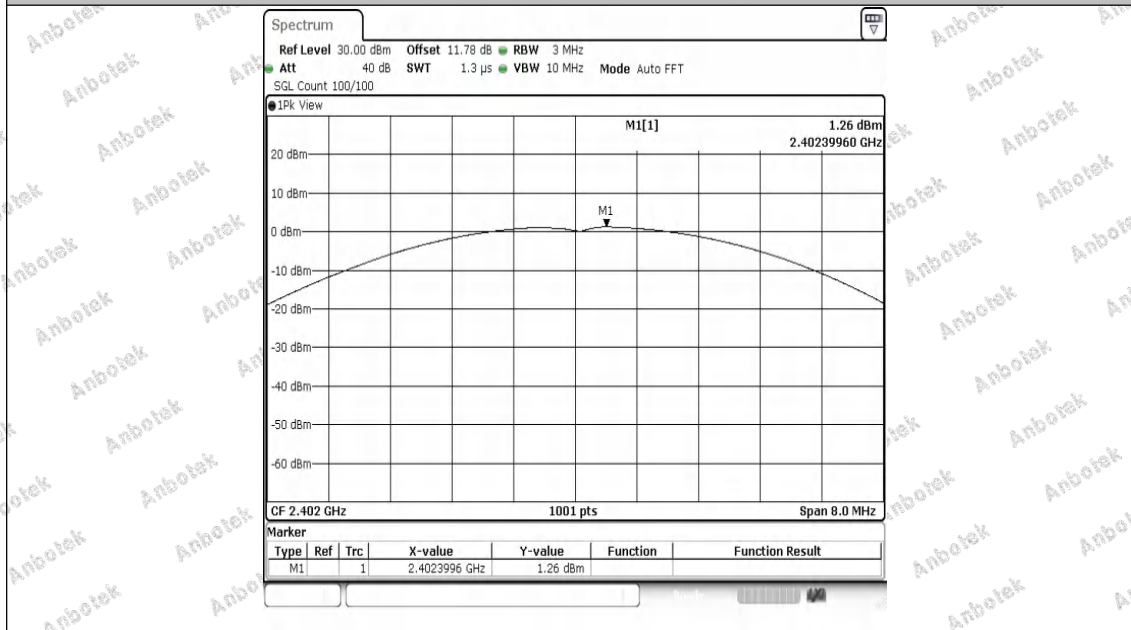


Test Graphs



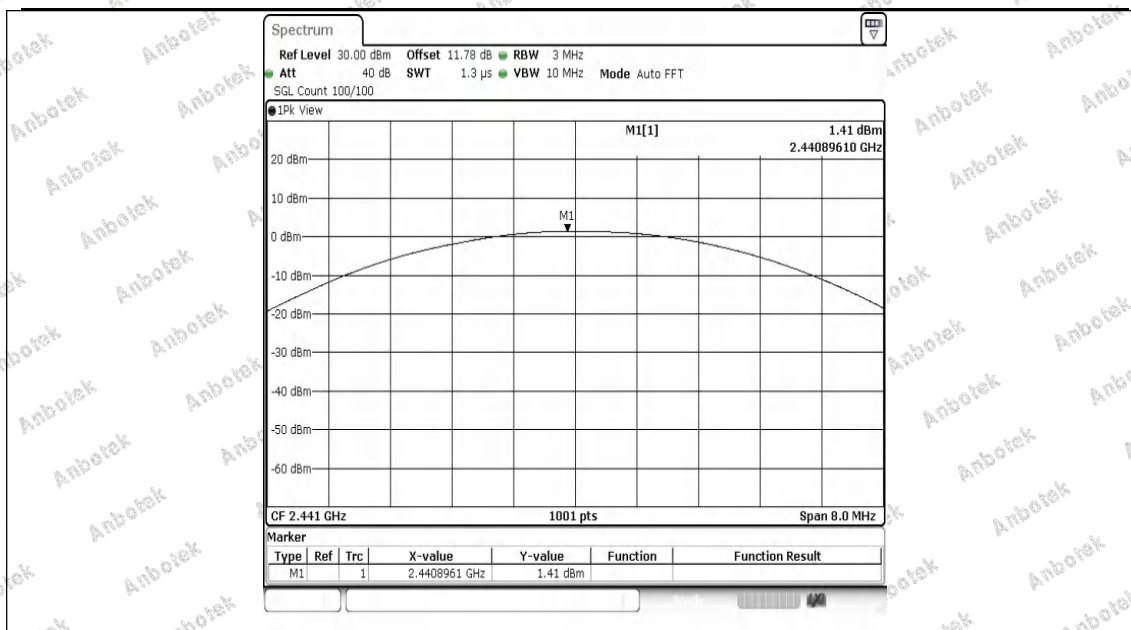


DH5-Ant1-2480-PASS

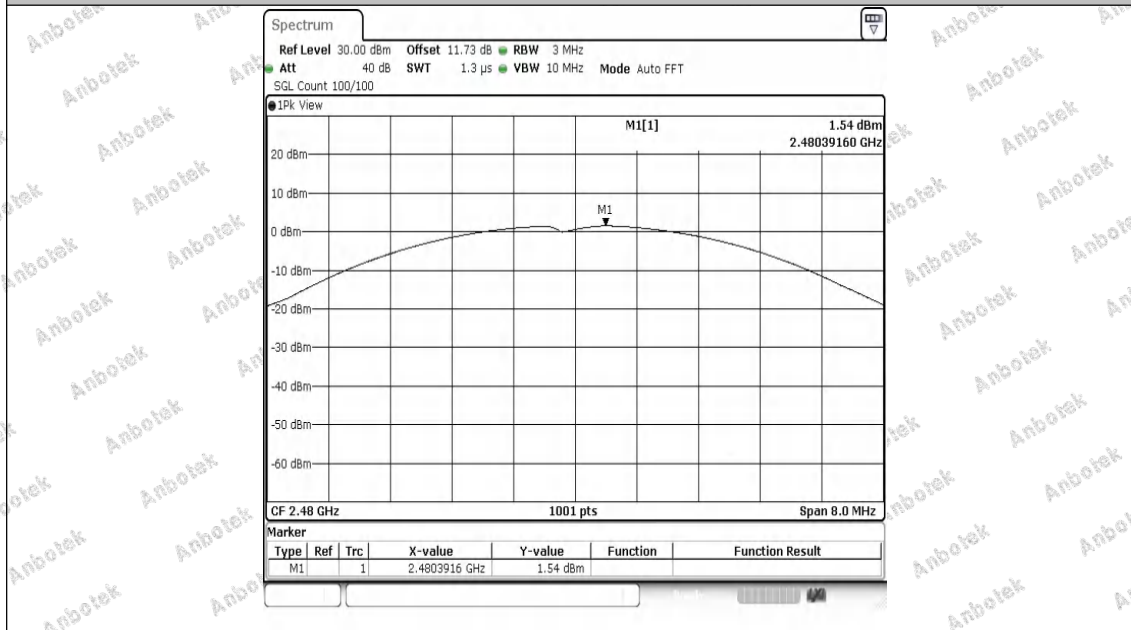


2DH5-Ant1-2402-PASS



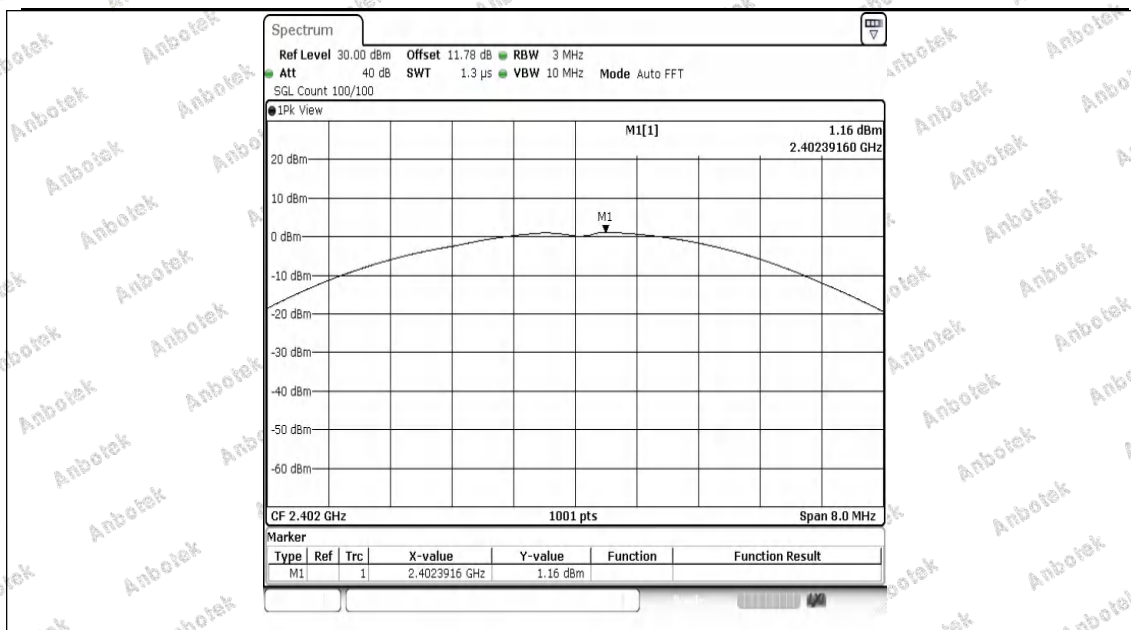


2DH5-Ant1-2441-PASS

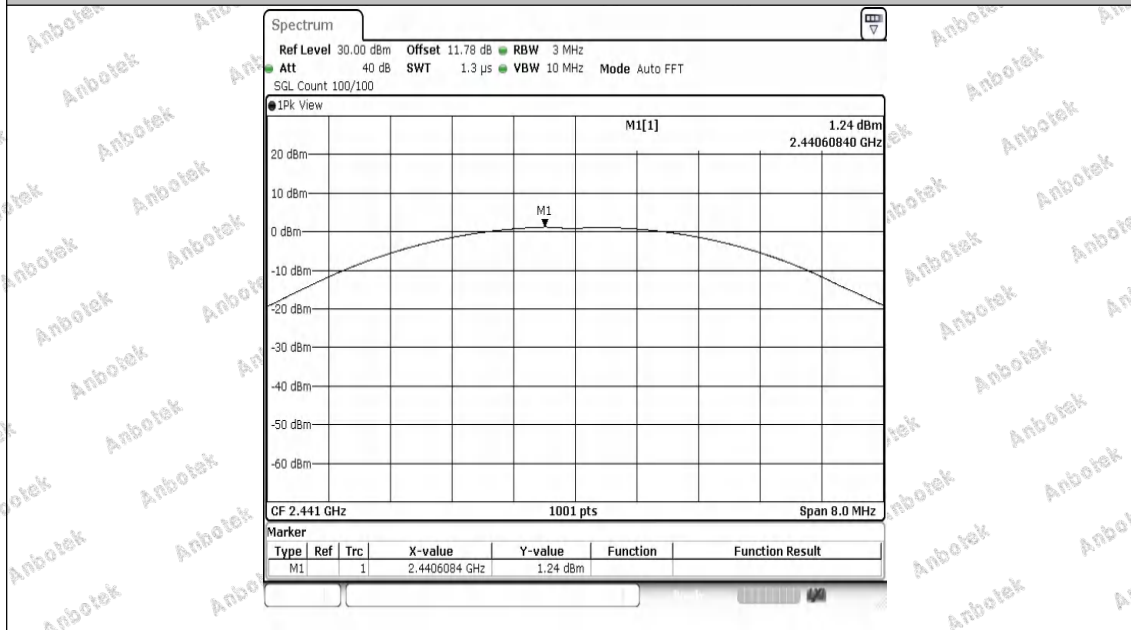


2DH5-Ant1-2480-PASS



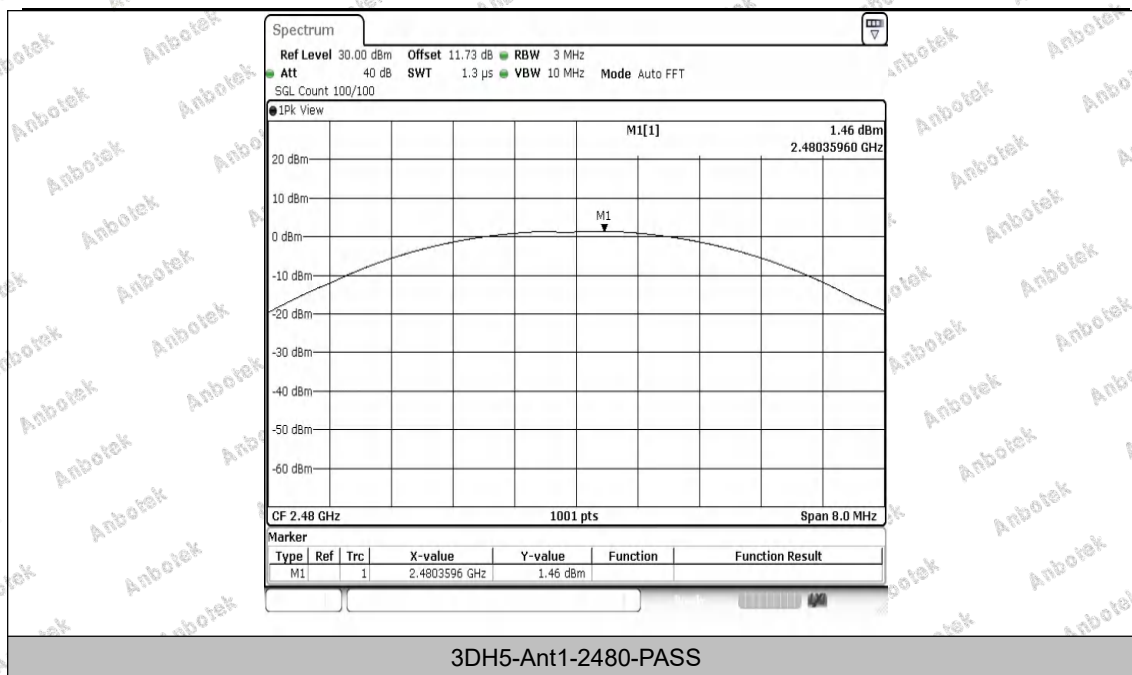


3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS





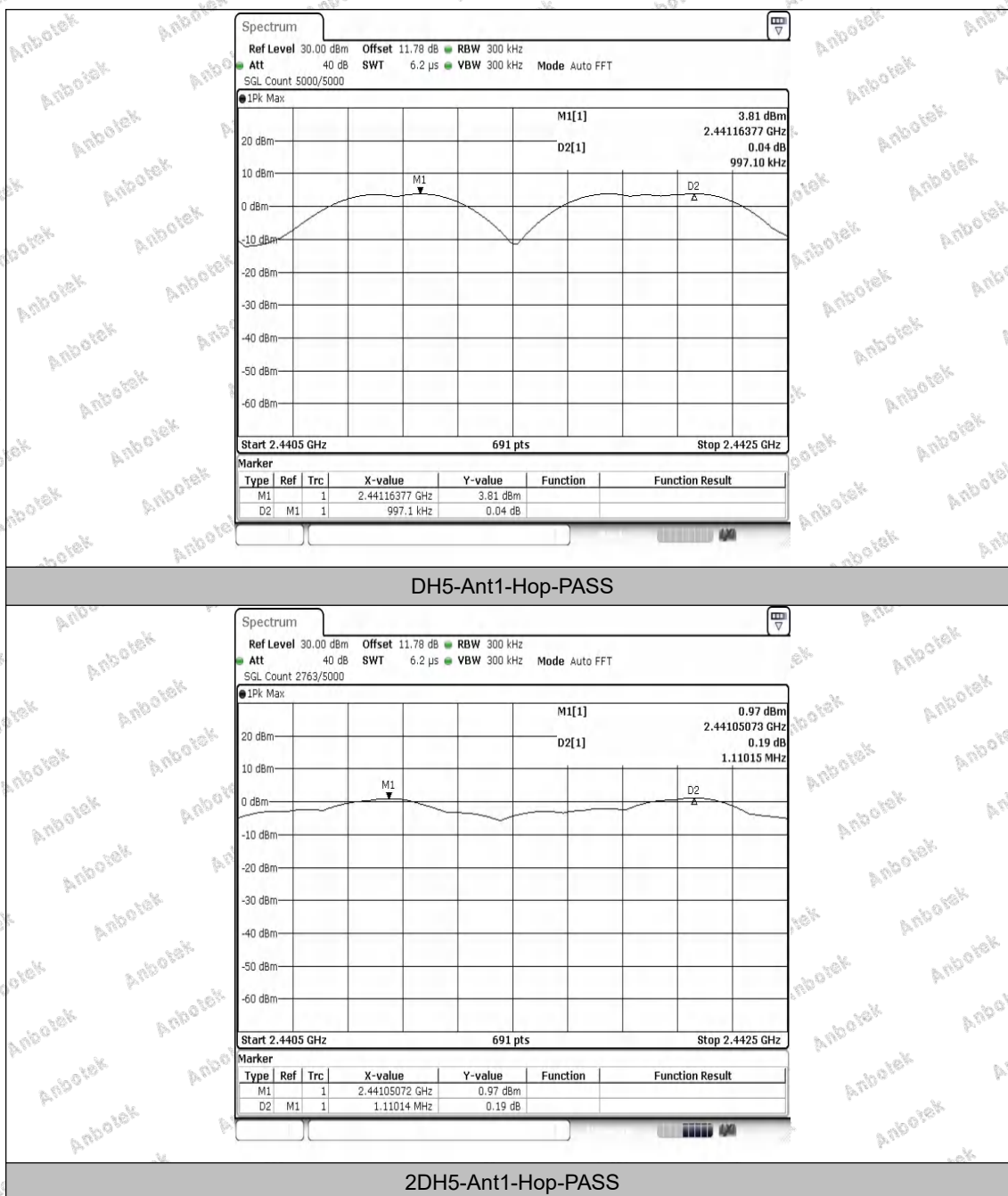
Appendix D: Carrier frequency separation

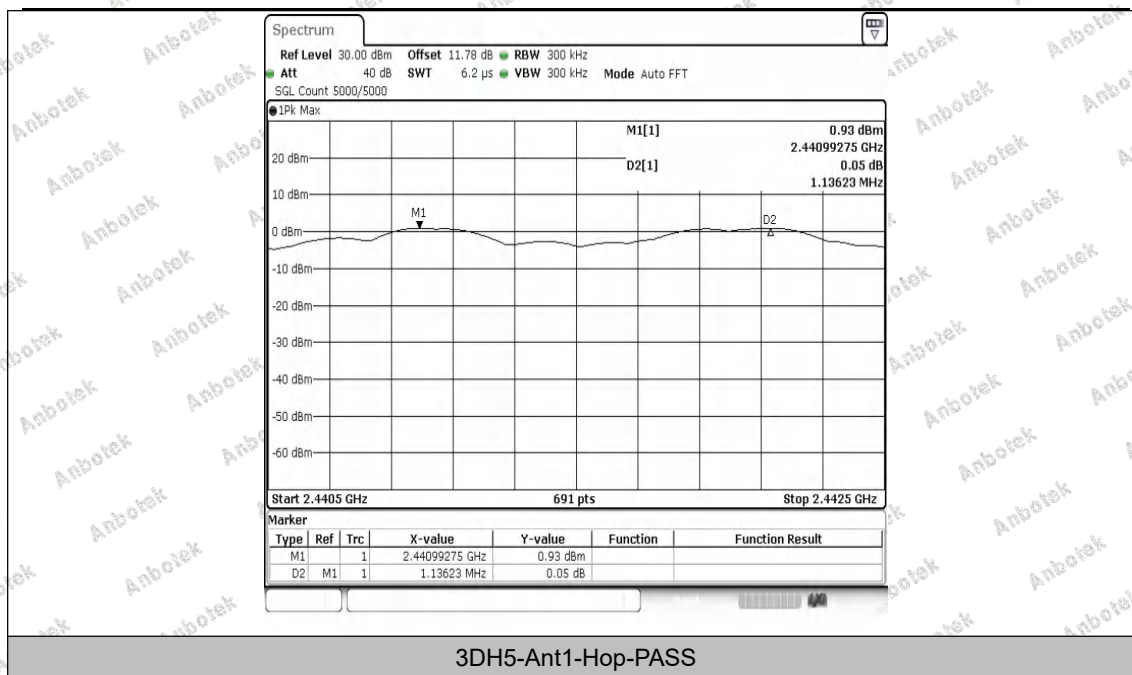
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.997	≥0.620	PASS
2DH5	Ant1	Hop	1.11	≥0.853	PASS
3DH5	Ant1	Hop	1.136	≥0.900	PASS



Test Graphs





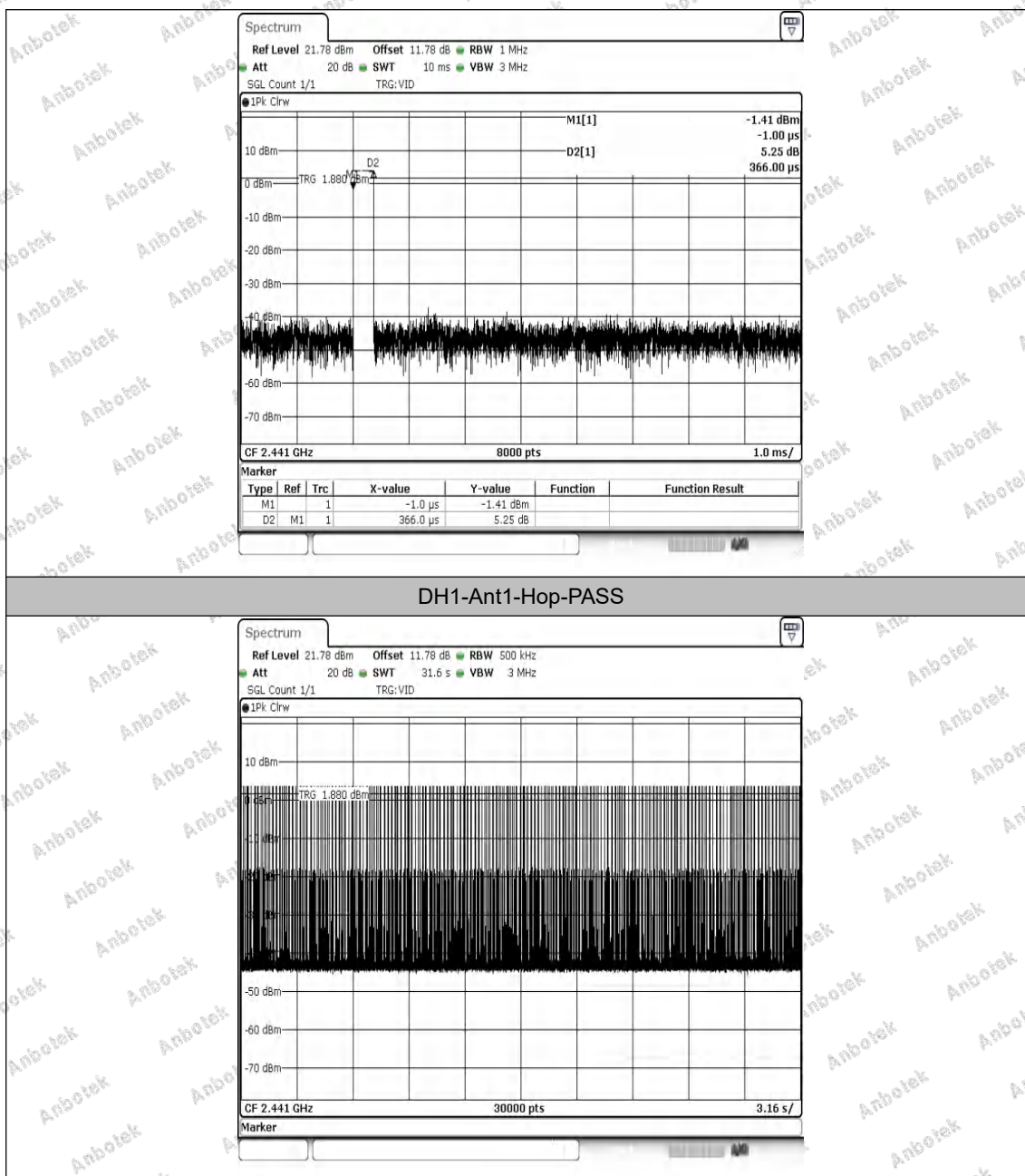
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.366	321	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.630	71	0.116	≤0.4	PASS
DH5	Ant1	Hop	2.878	44	0.127	≤0.4	PASS
2DH1	Ant1	Hop	0.269	320	0.086	≤0.4	PASS
2DH3	Ant1	Hop	1.629	150	0.244	≤0.4	PASS
2DH5	Ant1	Hop	2.882	55	0.159	≤0.4	PASS
3DH1	Ant1	Hop	0.156	320	0.05	≤0.4	PASS
3DH3	Ant1	Hop	1.633	52	0.085	≤0.4	PASS
3DH5	Ant1	Hop	2.879	115	0.331	≤0.4	PASS



Test Graphs



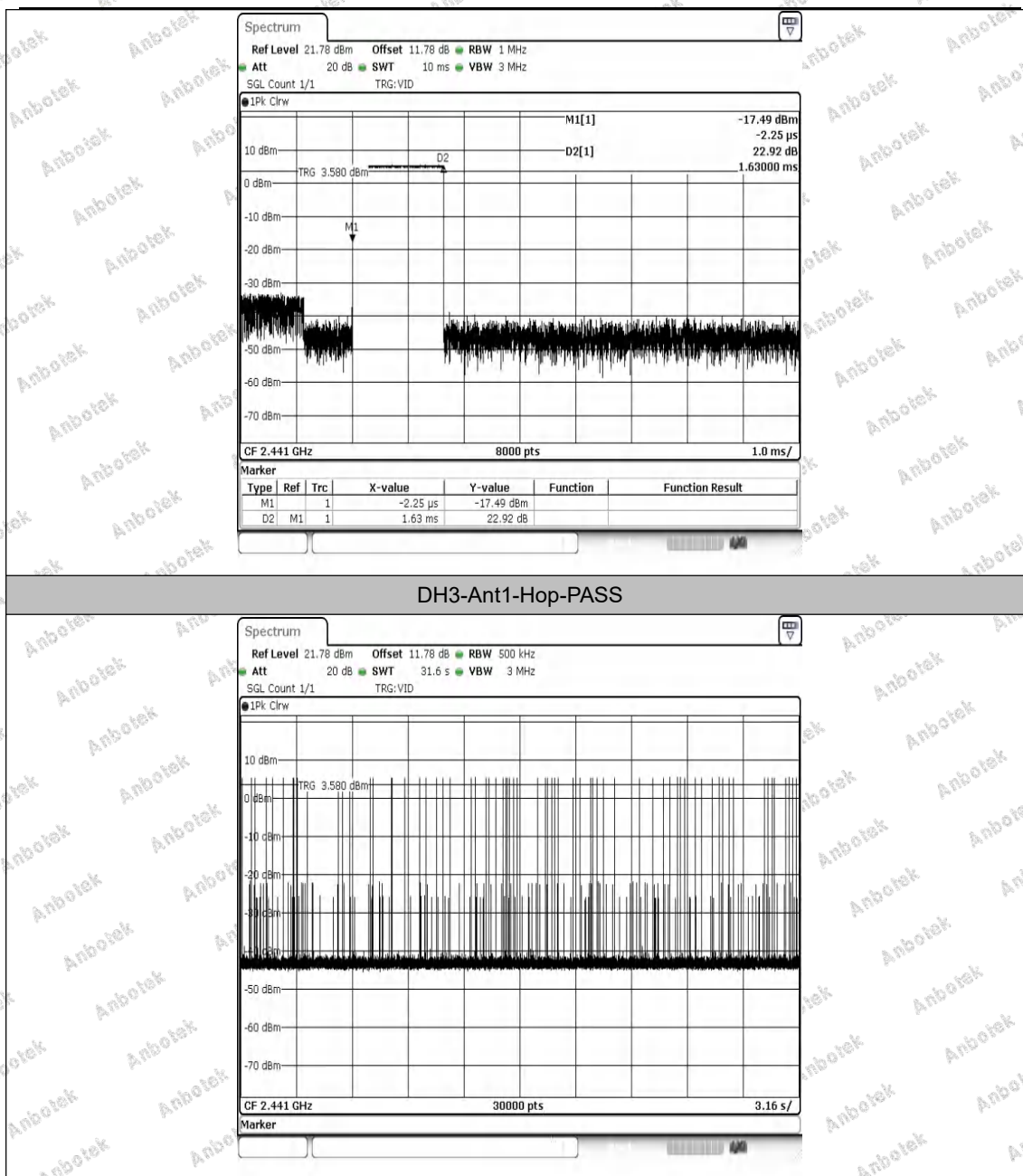
Shenzhen Anbotek Compliance Laboratory Limited

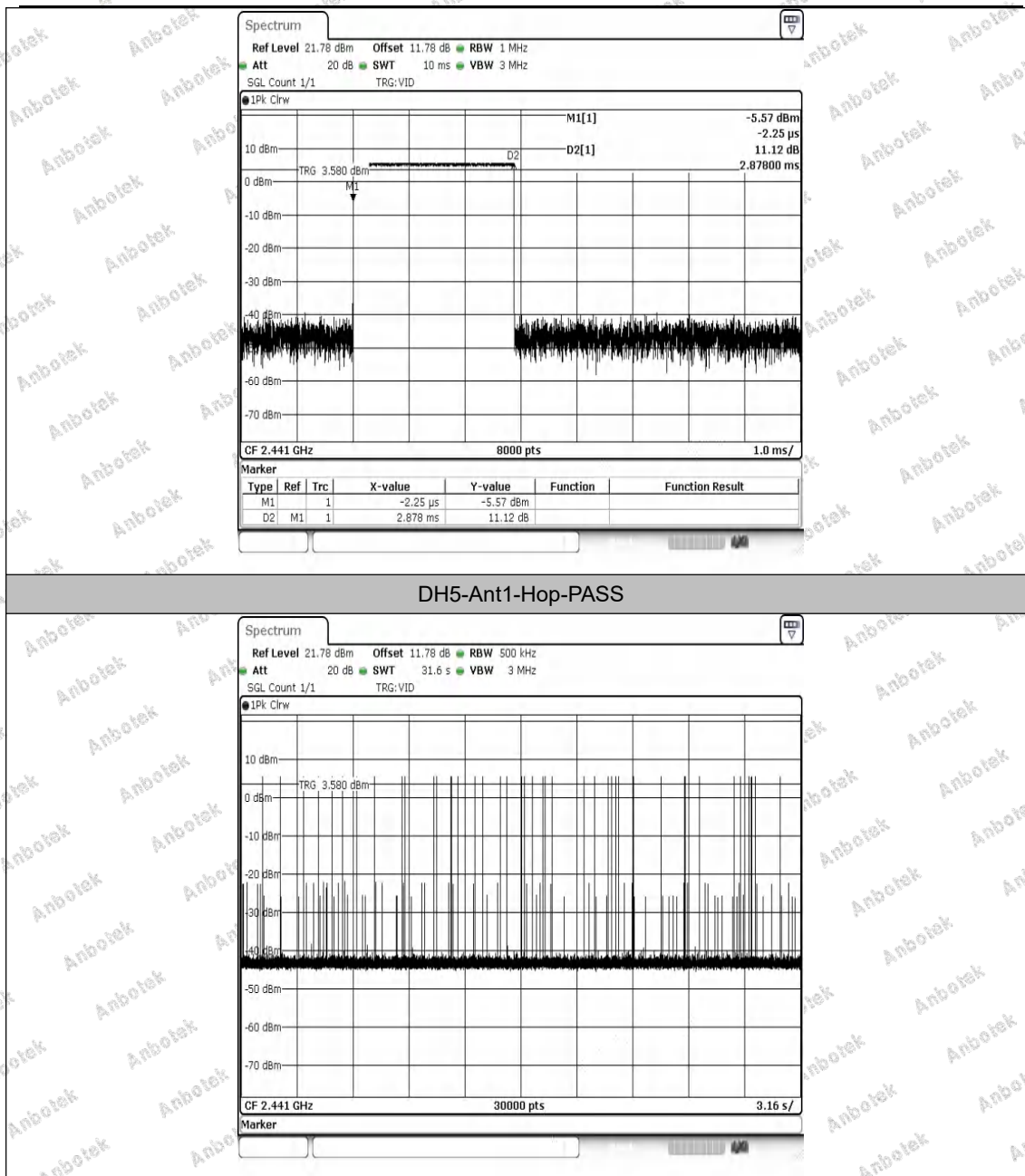
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Email: service@anbotek.com

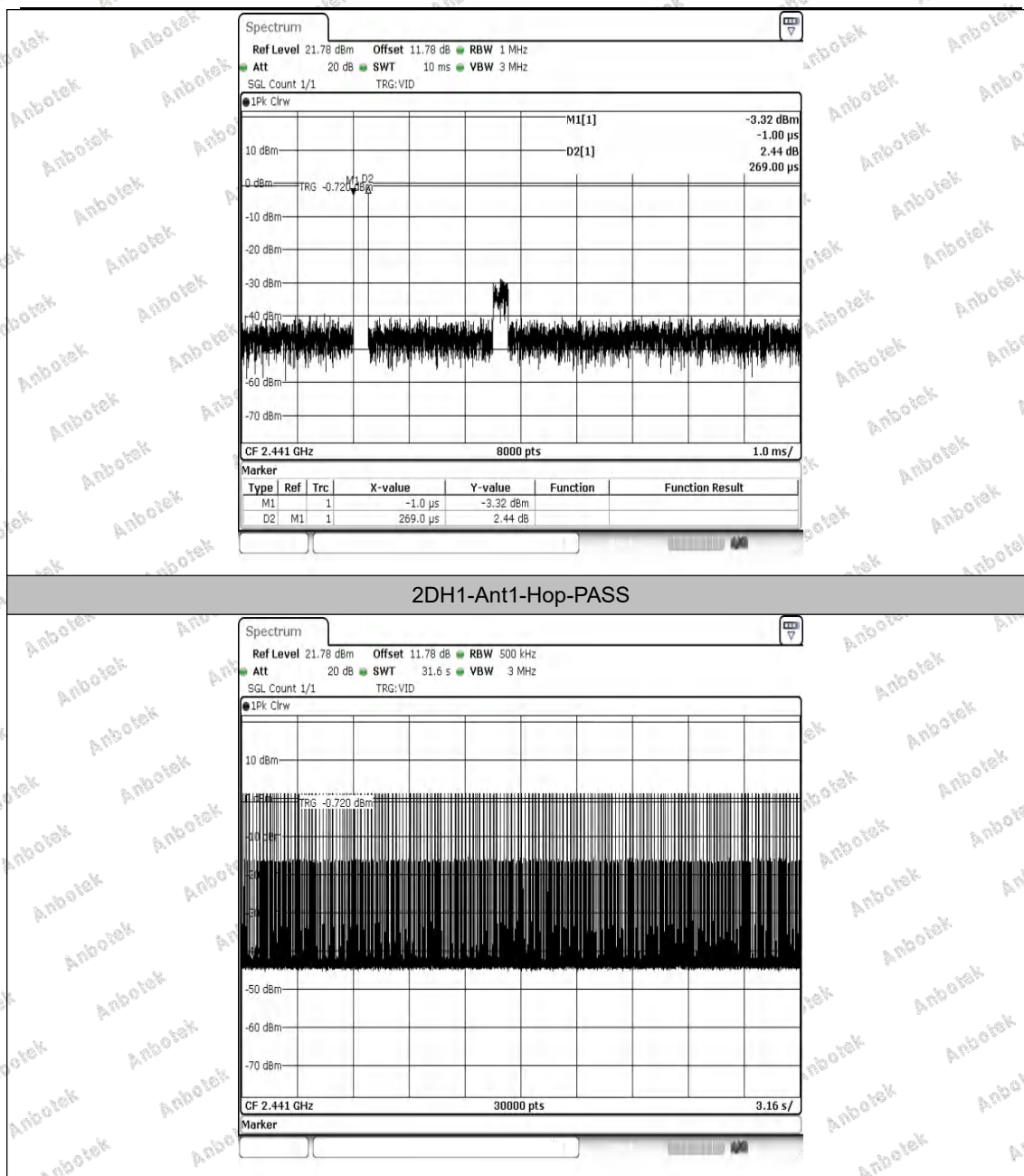


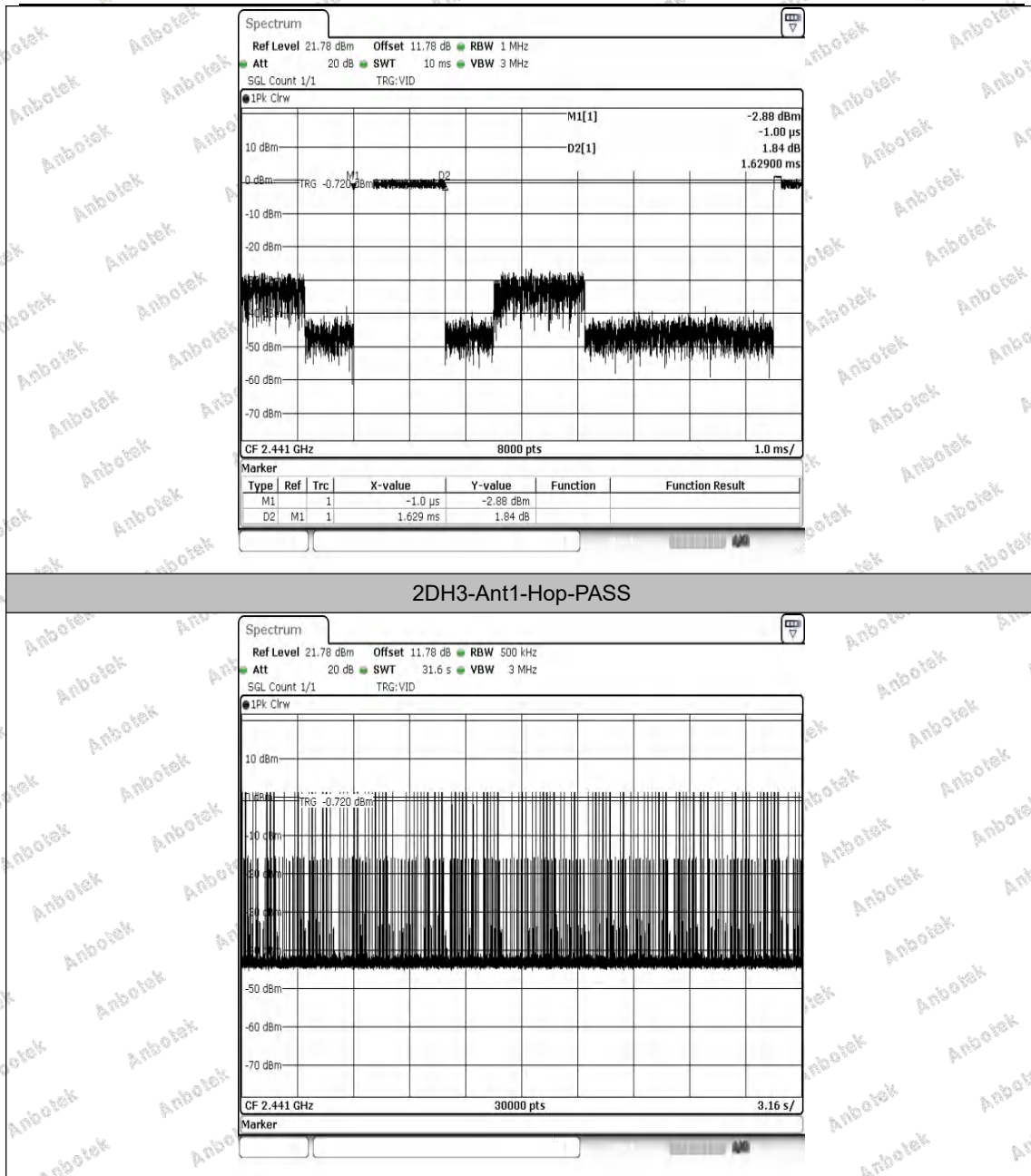
Hotline
400-003-0500
www.anbotek.com

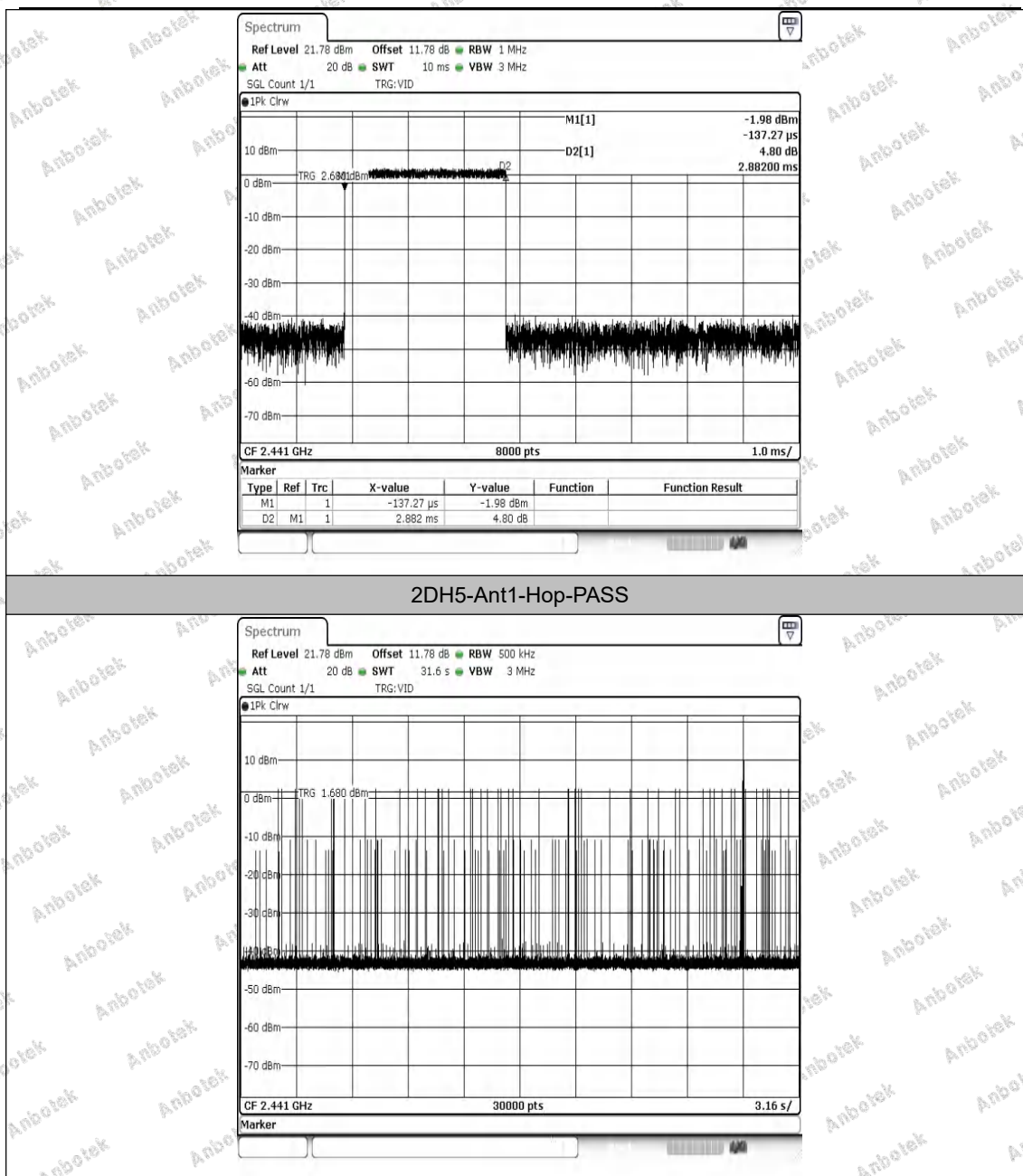


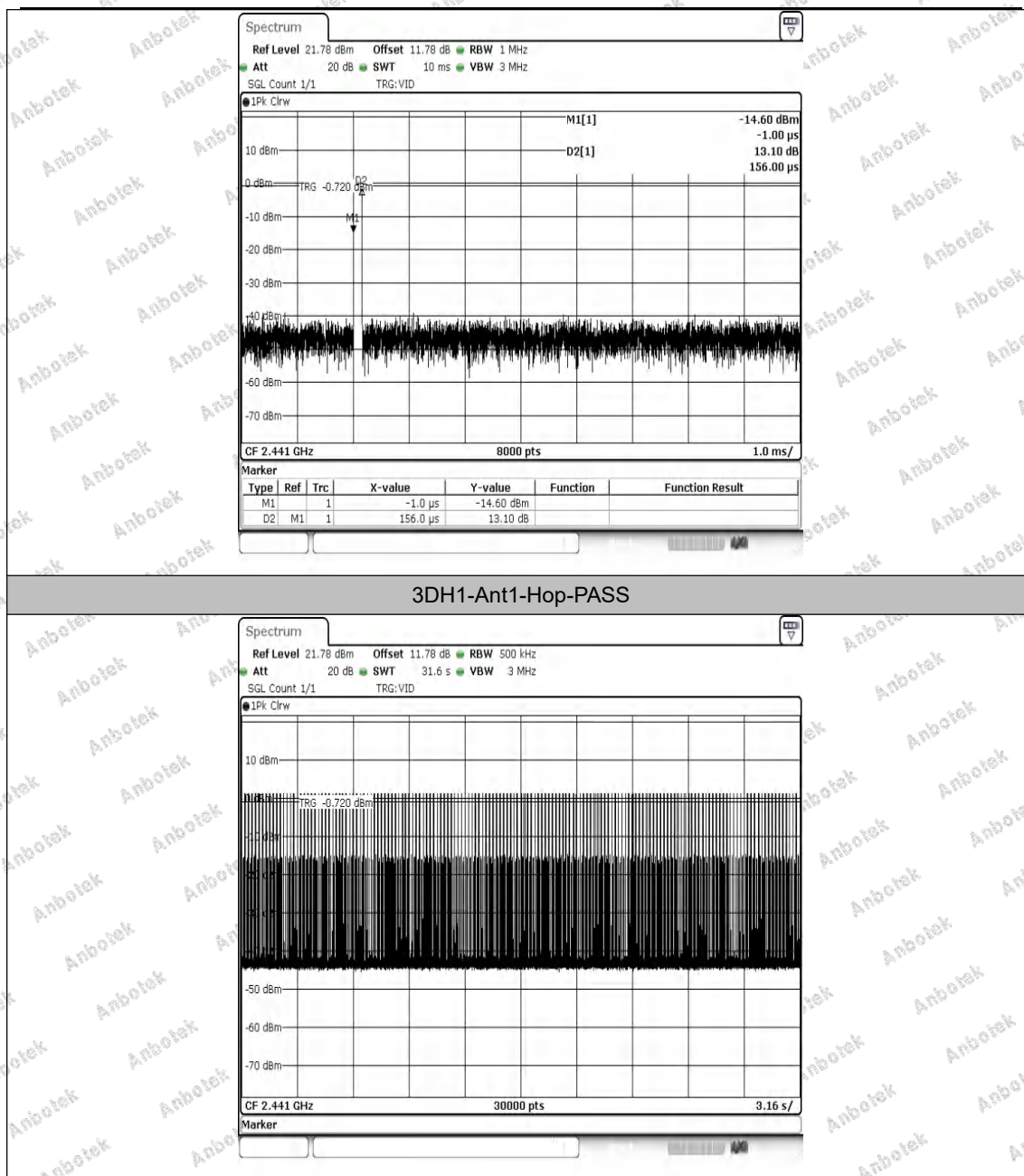


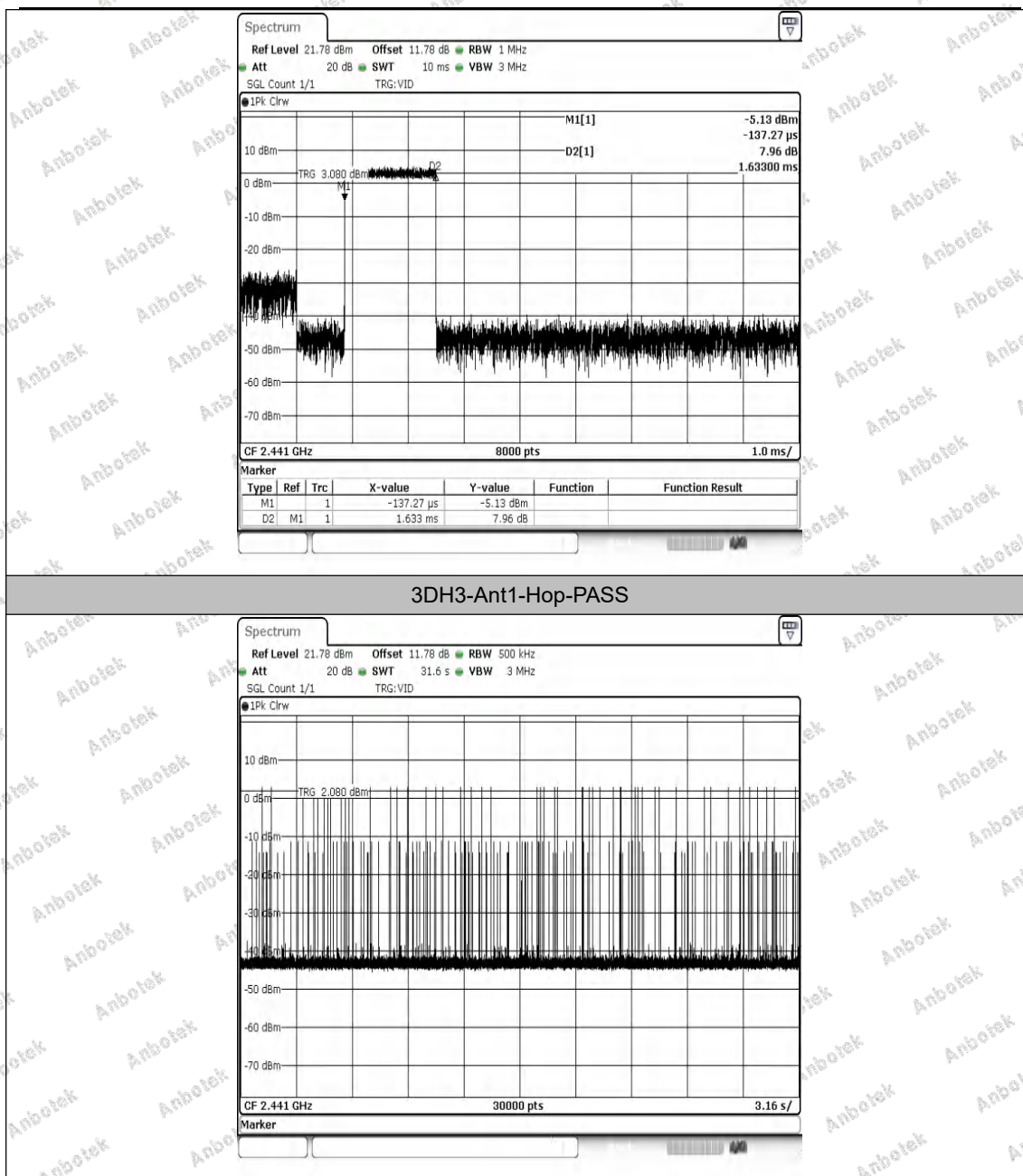


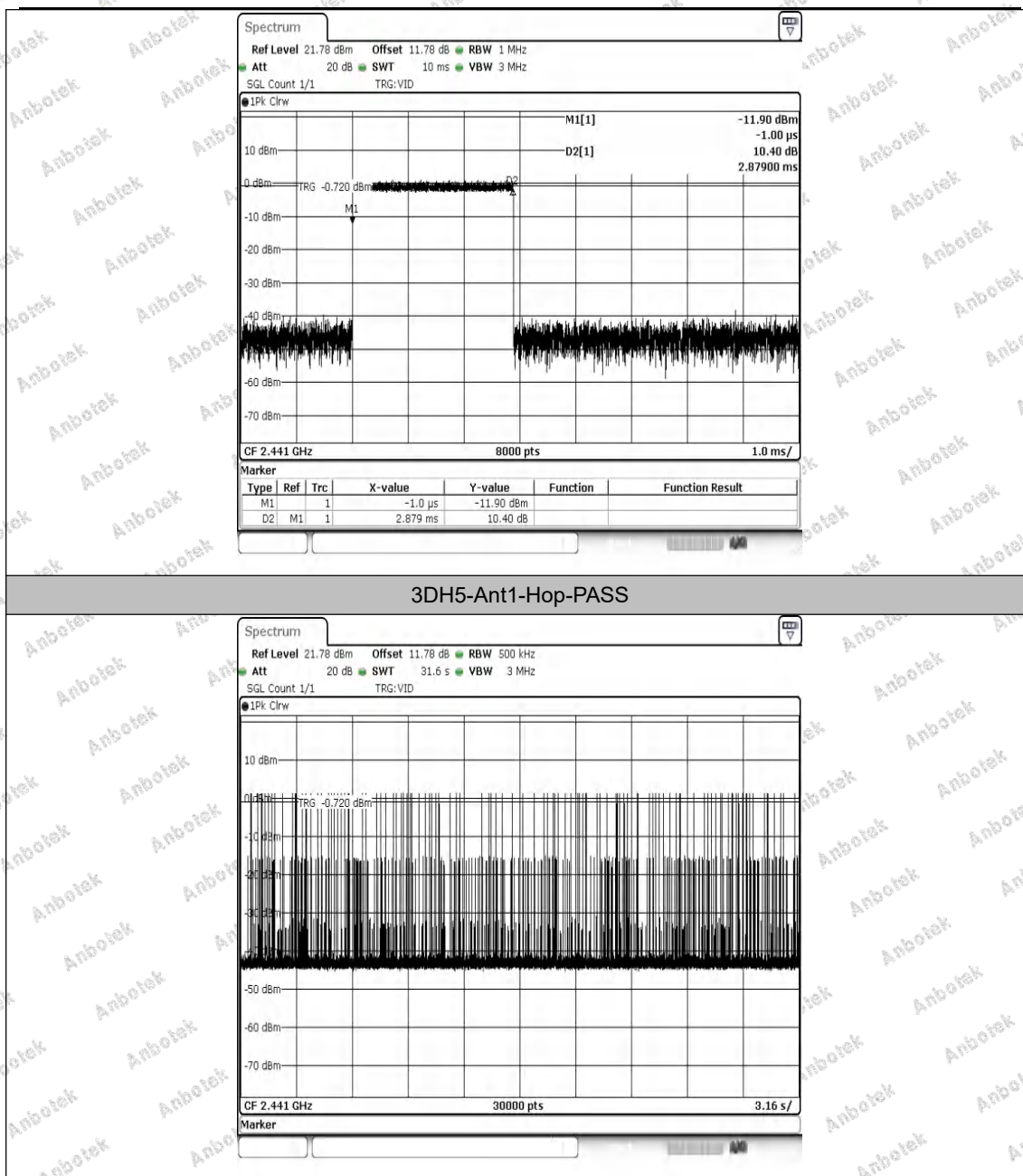












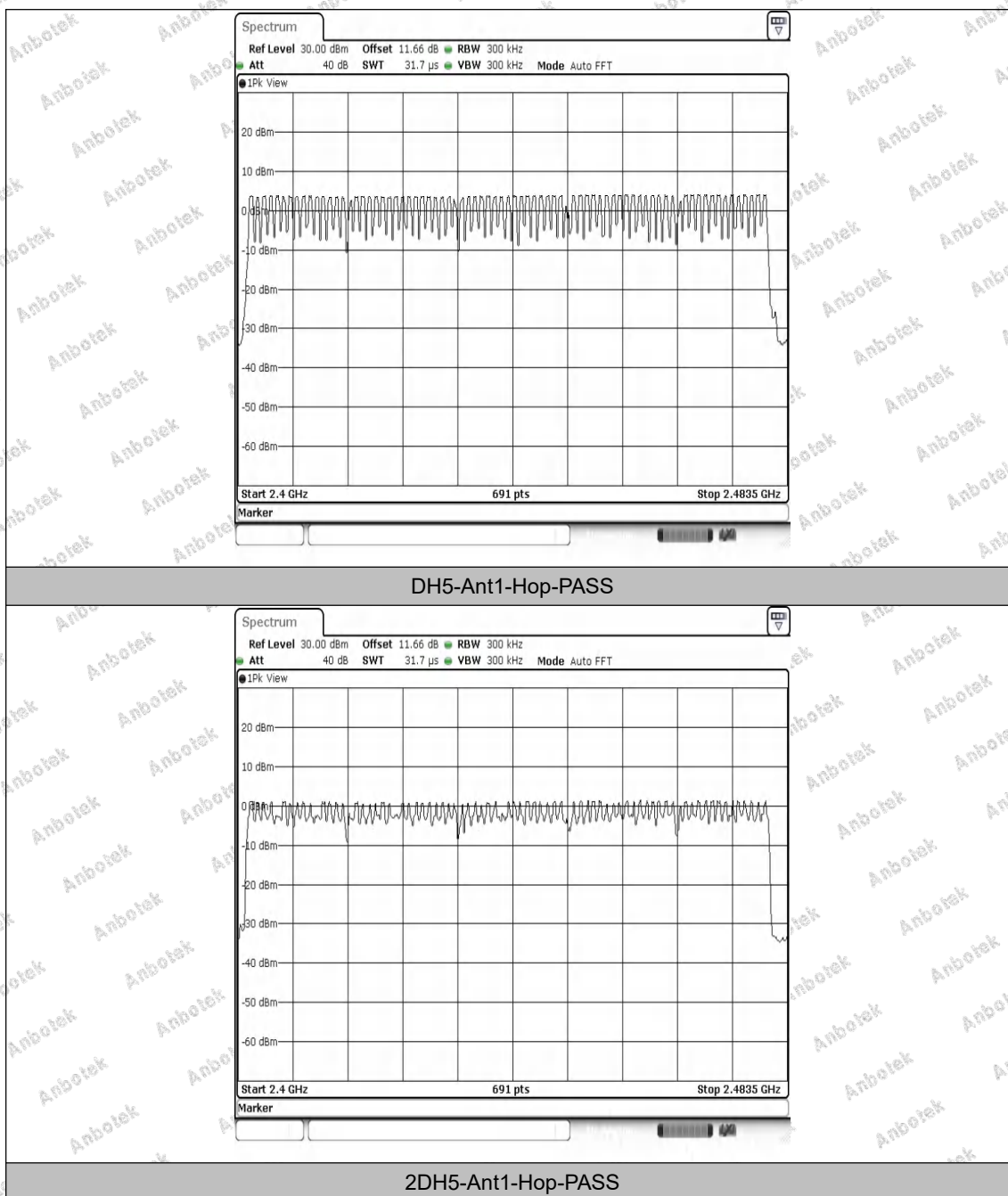
Appendix F: Number of hopping channels

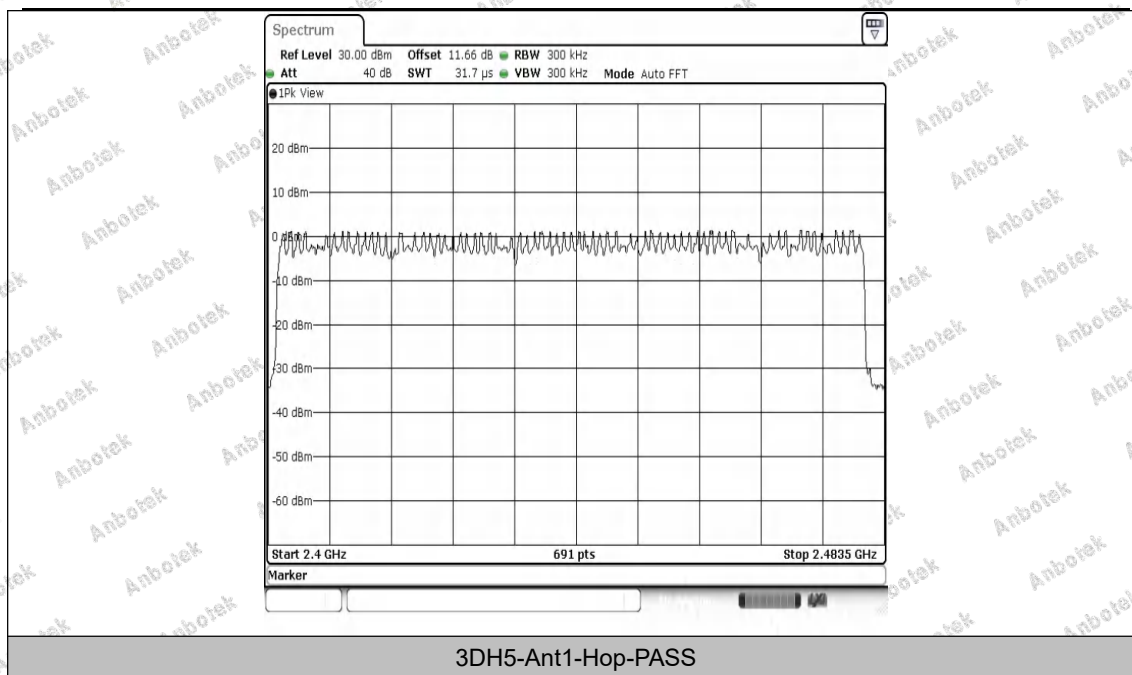
Test Result

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



Test Graphs





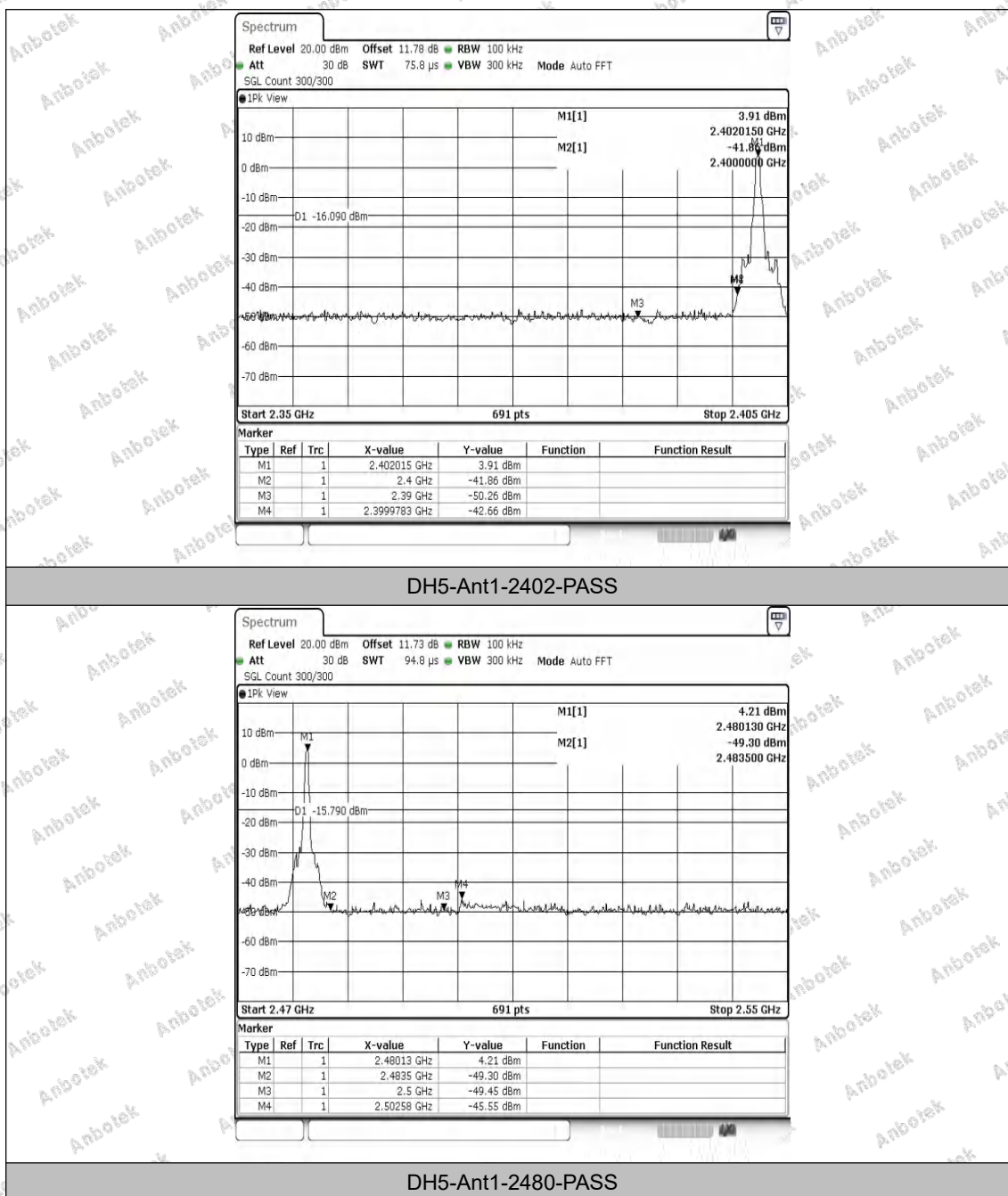
Appendix G: Band edge measurements

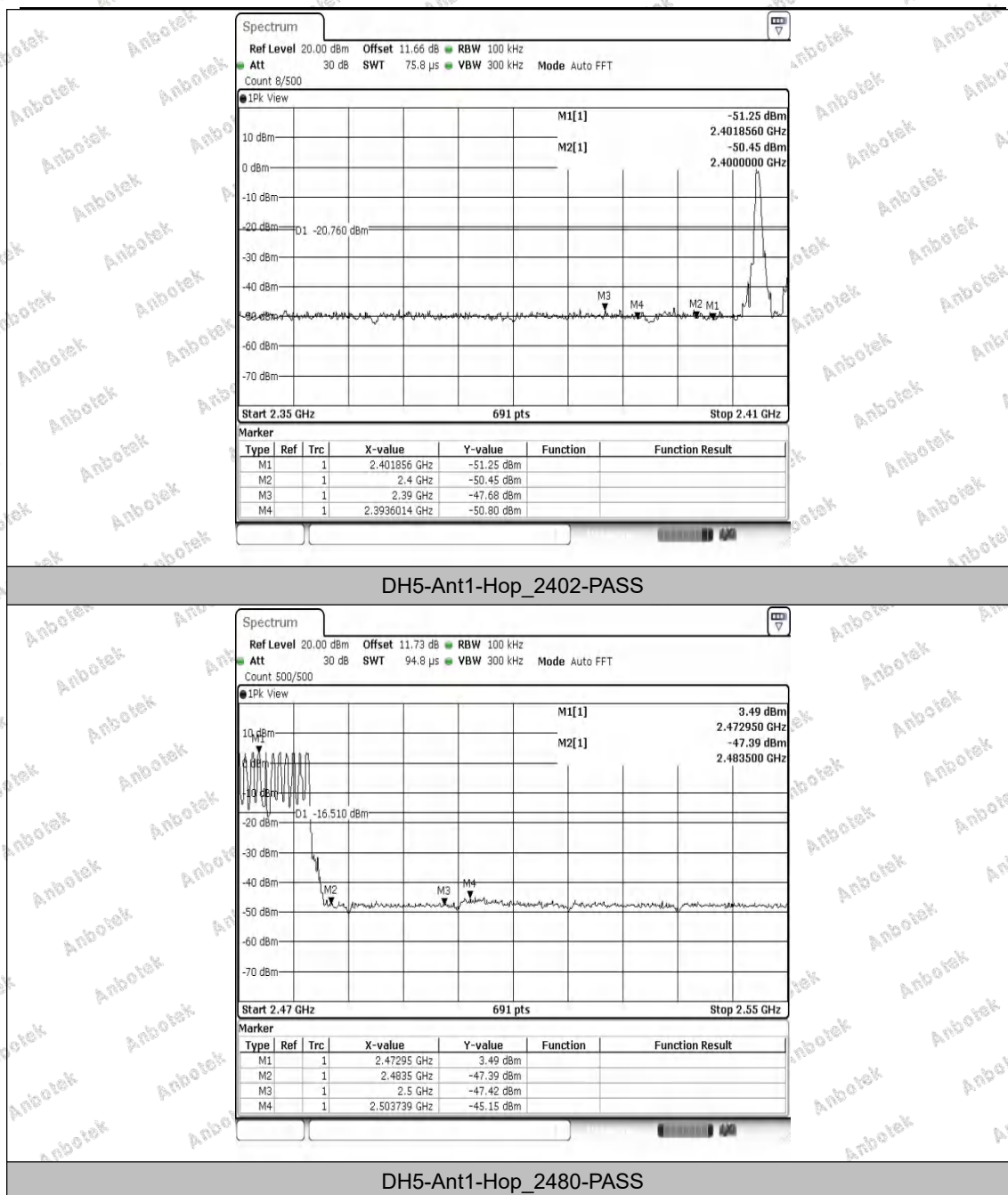
Test Result

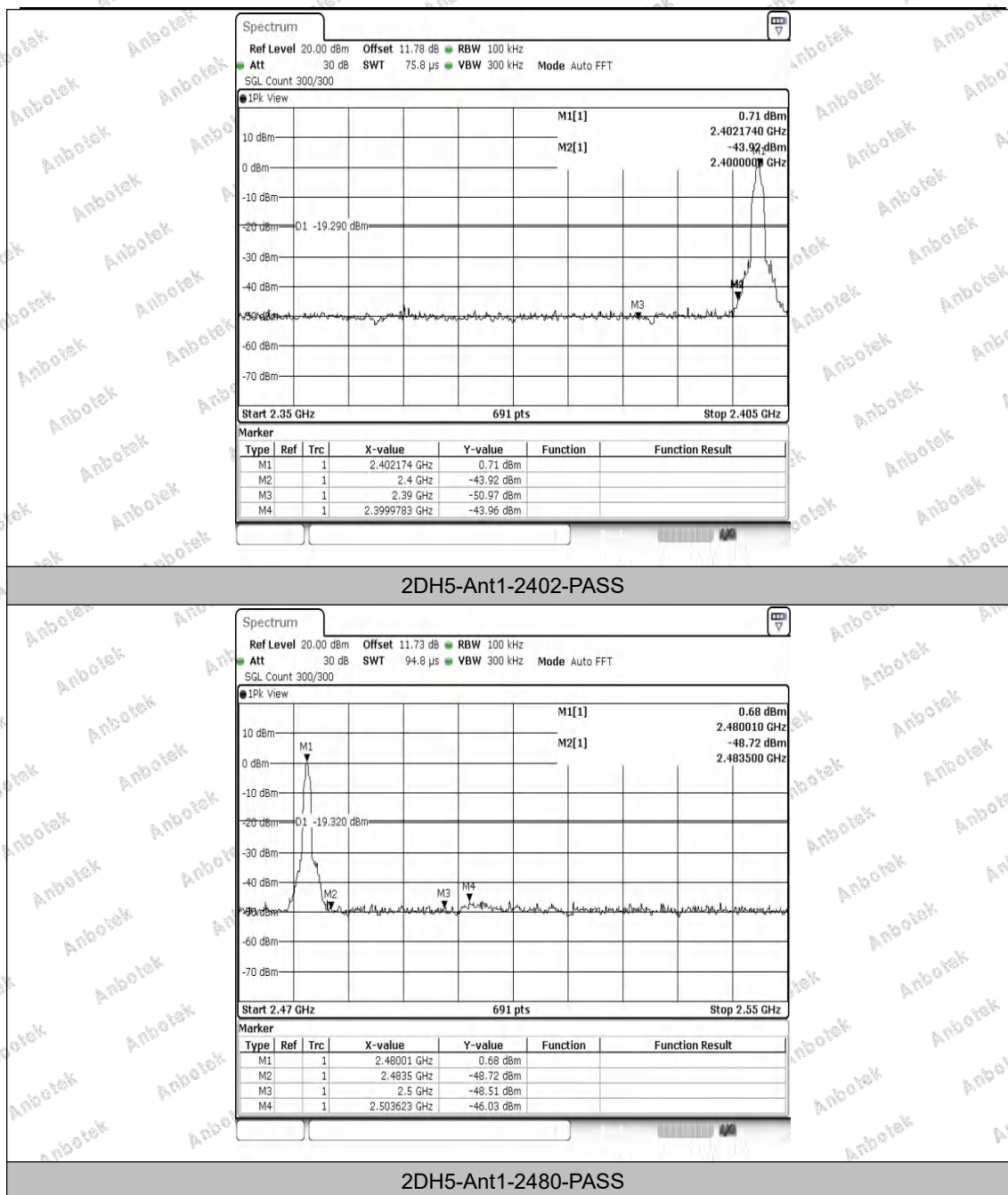
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.91	-42.66	≤-16.09	PASS
DH5	Ant1	High	2480	4.21	-45.55	≤-15.79	PASS
DH5	Ant1	Low	Hop_2402	-0.76	-50.8	≤-20.76	PASS
DH5	Ant1	High	Hop_2480	3.49	-45.15	≤-16.51	PASS
2DH5	Ant1	Low	2402	0.71	-43.96	≤-19.29	PASS
2DH5	Ant1	High	2480	0.68	-46.03	≤-19.32	PASS
2DH5	Ant1	Low	Hop_2402	-5.06	-47.05	≤-25.06	PASS
2DH5	Ant1	High	Hop_2480	-4.31	-45.32	≤-24.31	PASS
3DH5	Ant1	Low	2402	1.13	-43.2	≤-18.87	PASS
3DH5	Ant1	High	2480	1.39	-45.6	≤-18.61	PASS
3DH5	Ant1	Low	Hop_2402	0.07	-47.01	≤-19.93	PASS
3DH5	Ant1	High	Hop_2480	0.65	-45.6	≤-19.35	PASS

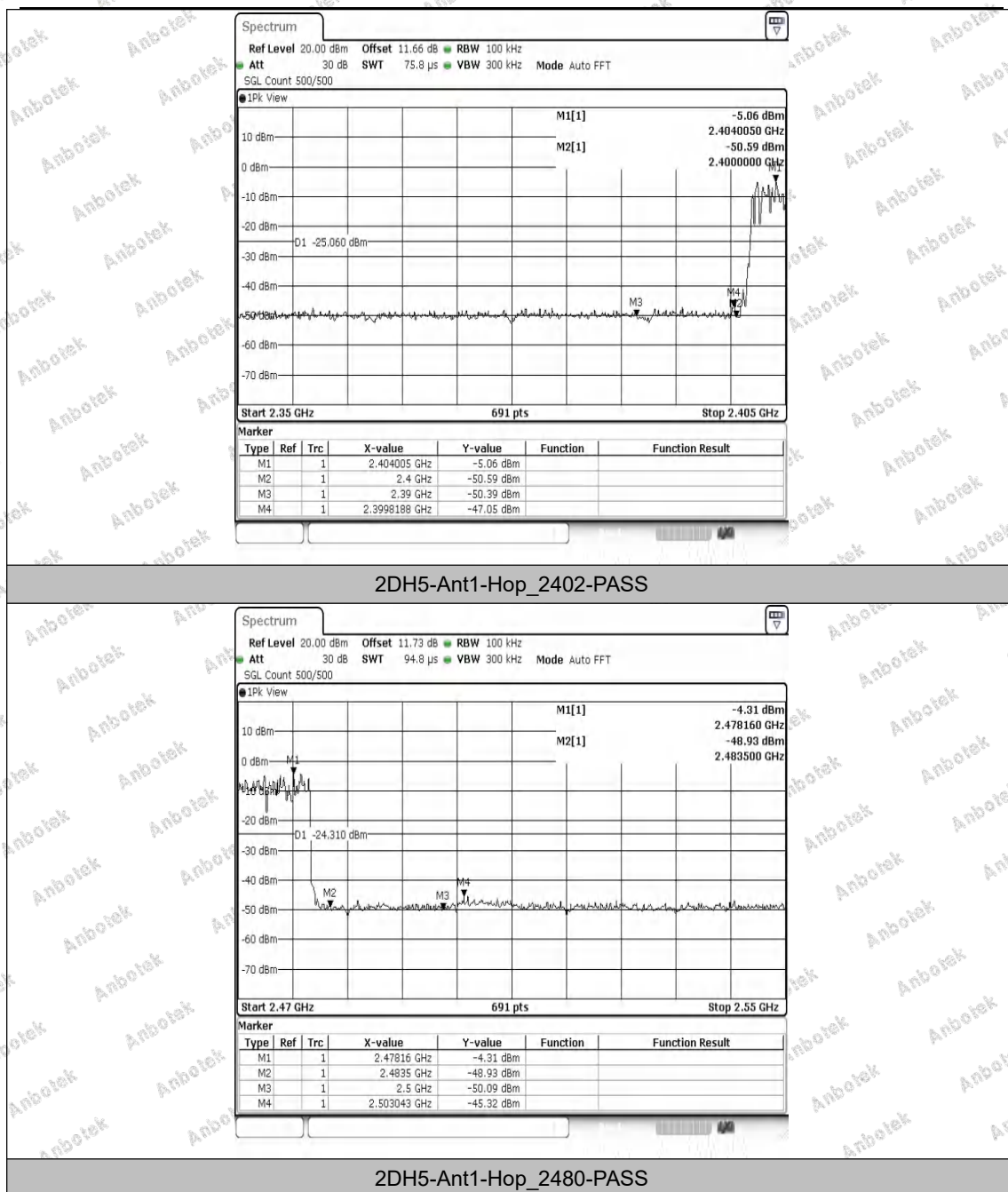


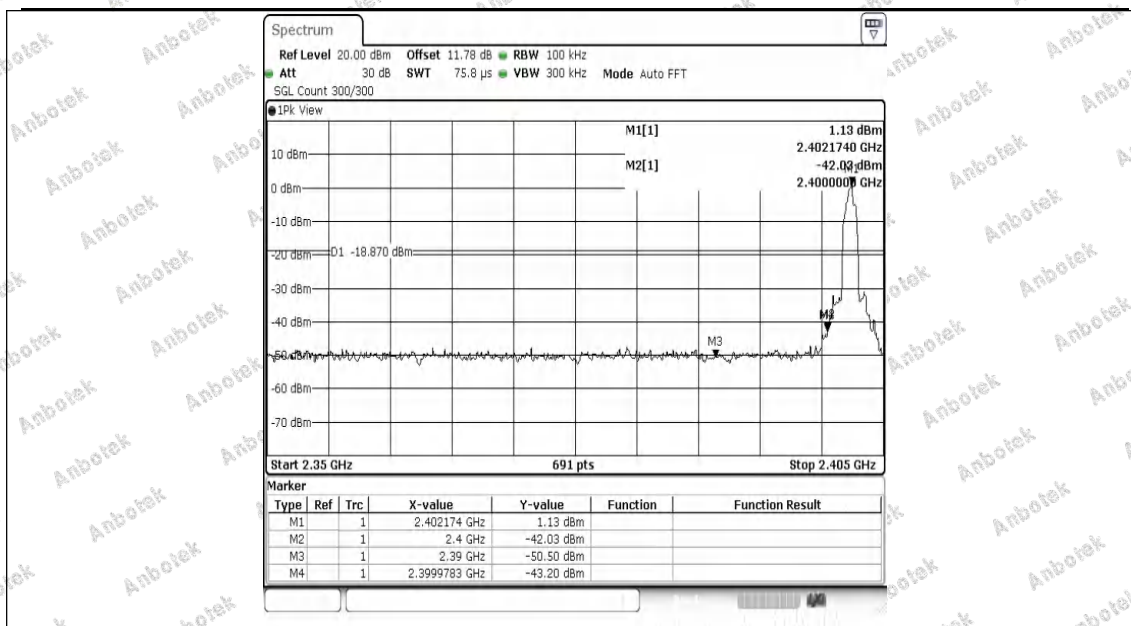
Test Graphs



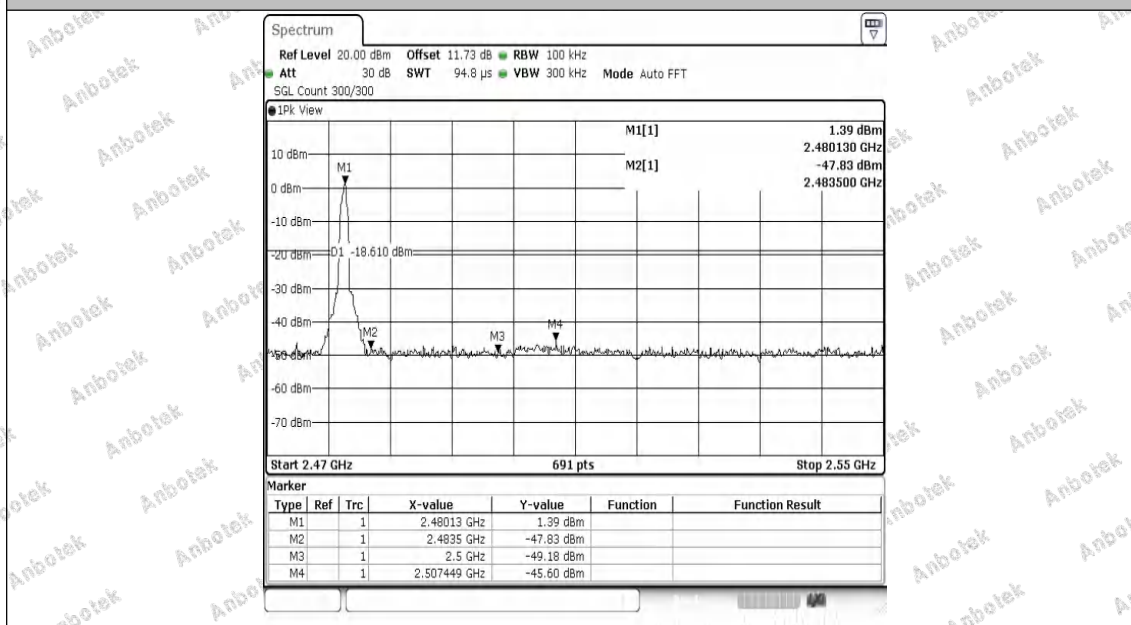






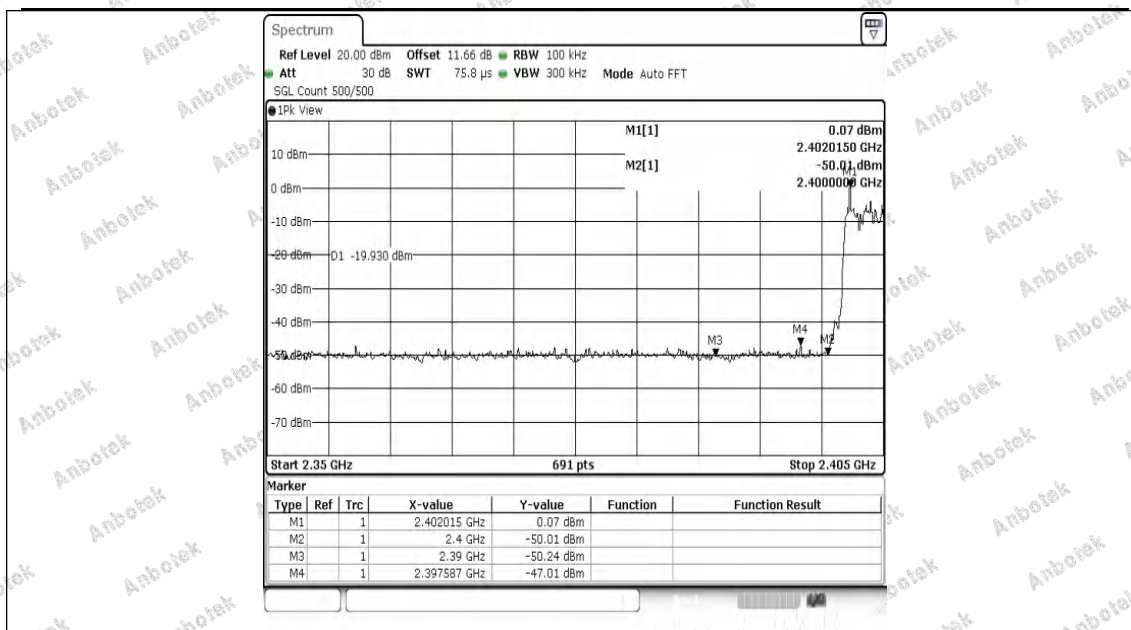


3DH5-Ant1-2402-PASS

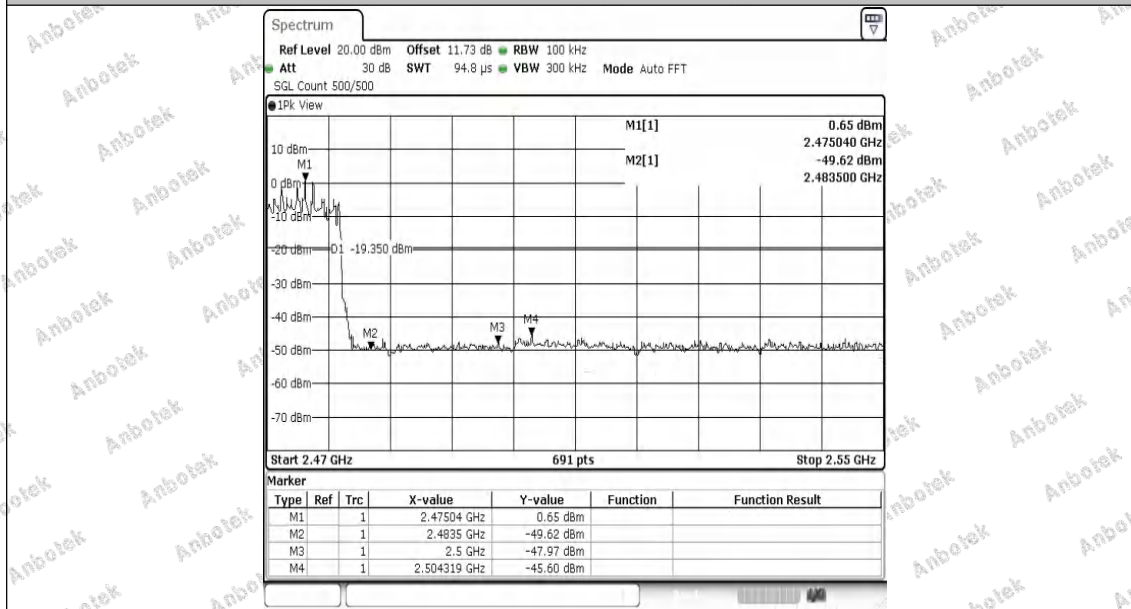


3DH5-Ant1-2480-PASS





3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



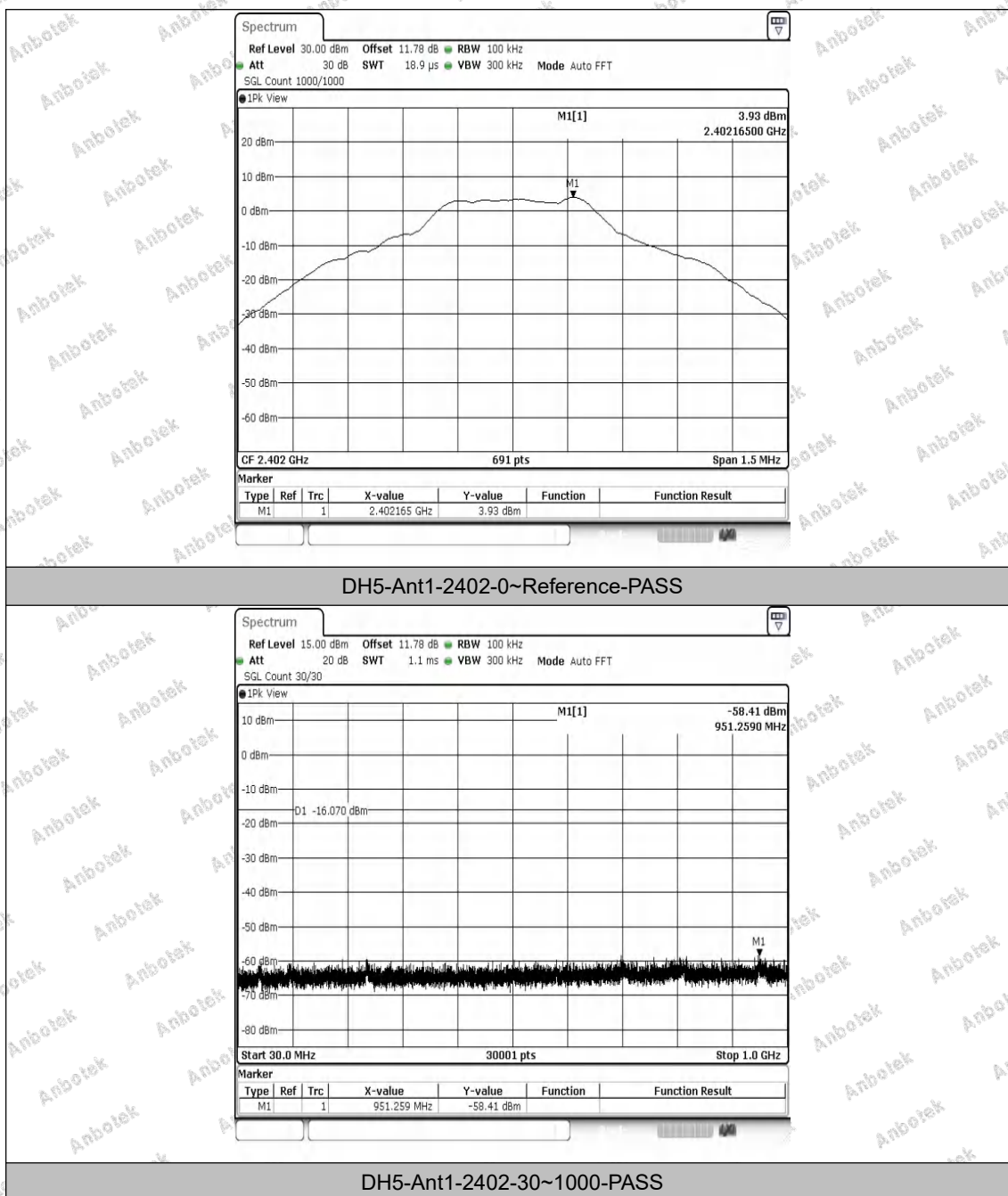
Appendix H: Conducted Spurious Emission

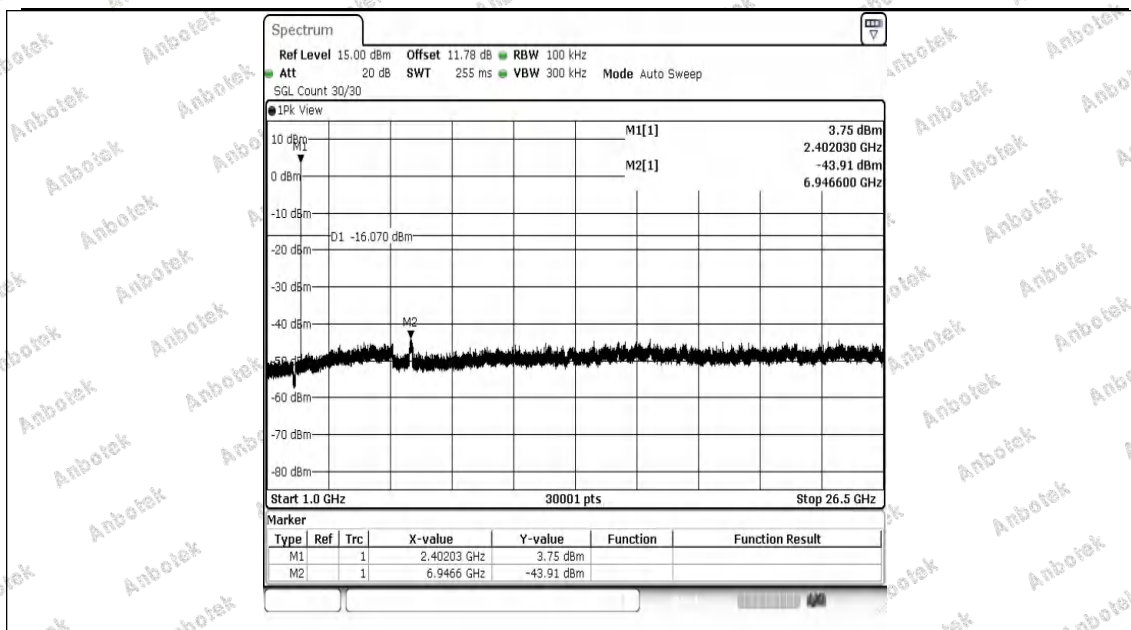
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	3.93	3.93	---	PASS
DH5	Ant1	2402	30~1000	3.93	-58.41	≤-16.07	PASS
DH5	Ant1	2402	1000~26500	3.93	-43.91	≤-16.07	PASS
DH5	Ant1	2441	0~Reference	3.40	3.40	---	PASS
DH5	Ant1	2441	30~1000	3.40	-57.52	≤-16.6	PASS
DH5	Ant1	2441	1000~26500	3.40	-43.19	≤-16.6	PASS
DH5	Ant1	2480	0~Reference	4.20	4.20	---	PASS
DH5	Ant1	2480	30~1000	4.20	-58.28	≤-15.8	PASS
DH5	Ant1	2480	1000~26500	4.20	-43.91	≤-15.8	PASS
2DH5	Ant1	2402	0~Reference	1.28	1.28	---	PASS
2DH5	Ant1	2402	30~1000	1.28	-58.31	≤-18.72	PASS
2DH5	Ant1	2402	1000~26500	1.28	-42.52	≤-18.72	PASS
2DH5	Ant1	2441	0~Reference	1.23	1.23	---	PASS
2DH5	Ant1	2441	30~1000	1.23	-58.73	≤-18.77	PASS
2DH5	Ant1	2441	1000~26500	1.23	-42.16	≤-18.77	PASS
2DH5	Ant1	2480	0~Reference	1.44	1.44	---	PASS
2DH5	Ant1	2480	30~1000	1.44	-57.58	≤-18.56	PASS
2DH5	Ant1	2480	1000~26500	1.44	-42.51	≤-18.56	PASS
3DH5	Ant1	2402	0~Reference	1.22	1.22	---	PASS
3DH5	Ant1	2402	30~1000	1.22	-57.9	≤-18.78	PASS
3DH5	Ant1	2402	1000~26500	1.22	-44.16	≤-18.78	PASS
3DH5	Ant1	2441	0~Reference	1.21	1.21	---	PASS
3DH5	Ant1	2441	30~1000	1.21	-56.68	≤-18.79	PASS
3DH5	Ant1	2441	1000~26500	1.21	-42.69	≤-18.79	PASS
3DH5	Ant1	2480	0~Reference	0.73	0.73	---	PASS
3DH5	Ant1	2480	30~1000	0.73	-58.43	≤-19.27	PASS
3DH5	Ant1	2480	1000~26500	0.73	-42.96	≤-19.27	PASS

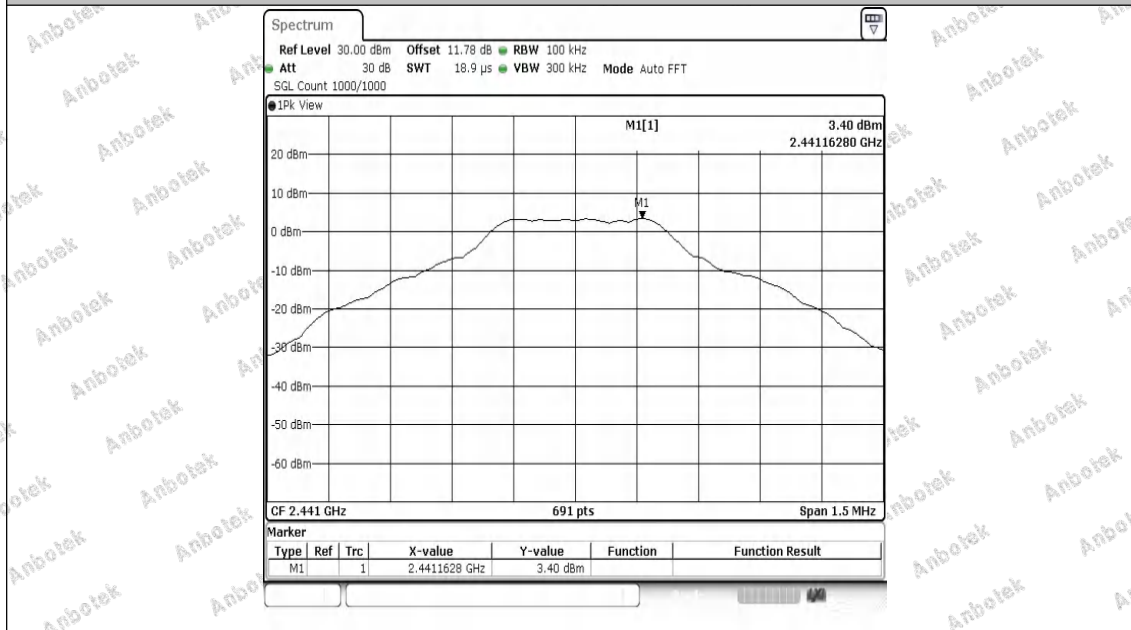


Test Graphs



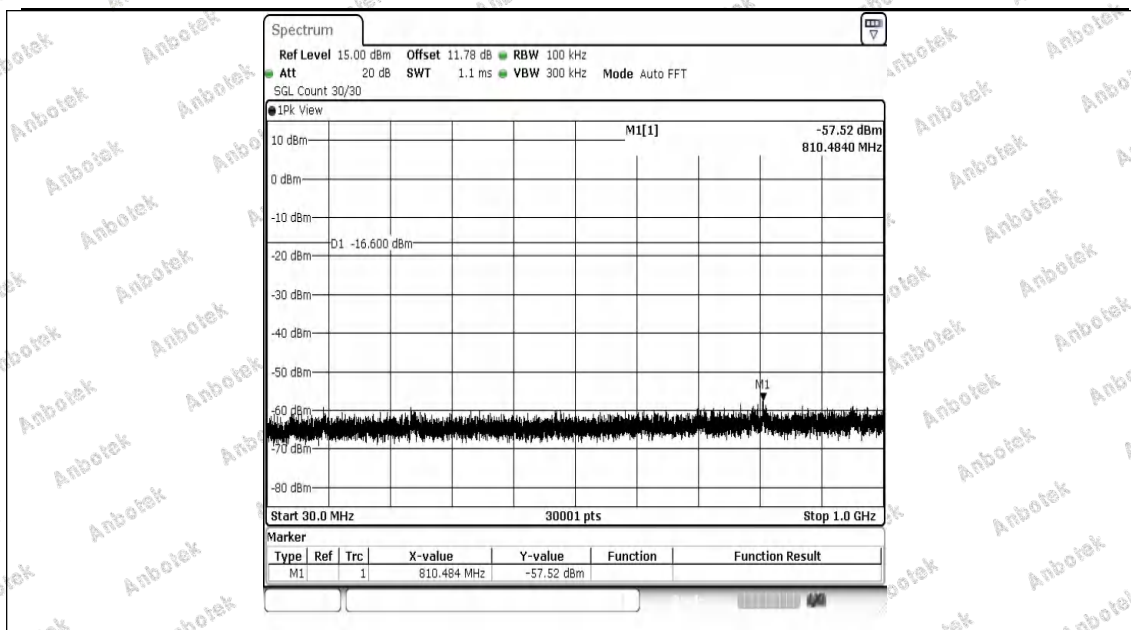


DH5-Ant1-2402-1000~26500-PASS

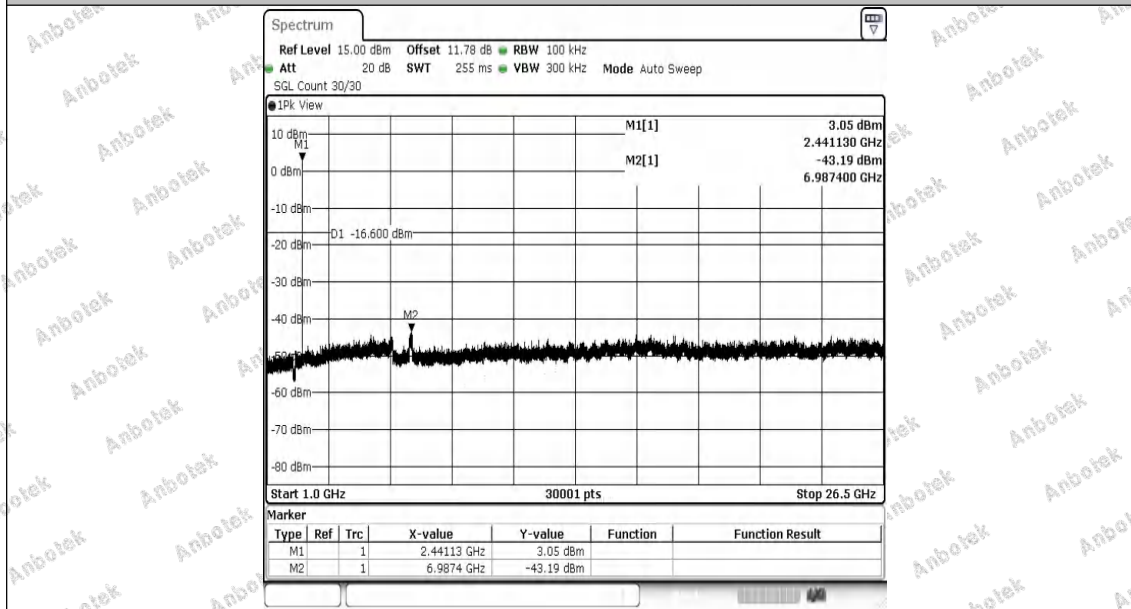


DH5-Ant1-2441-0~Reference-PASS



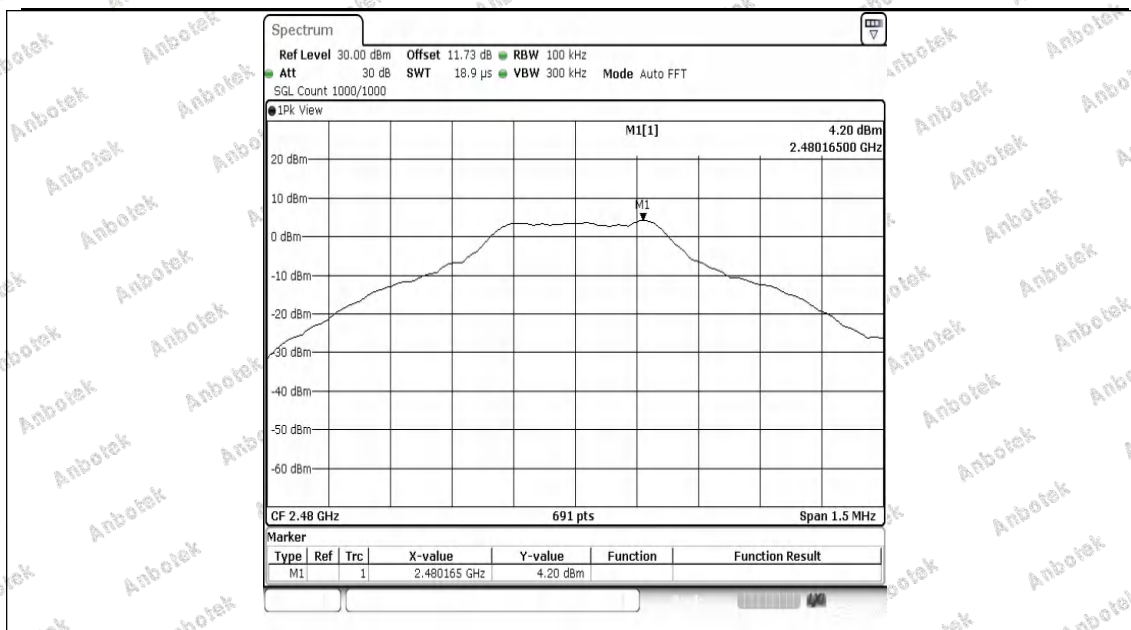


DH5-Ant1-2441-30~1000-PASS

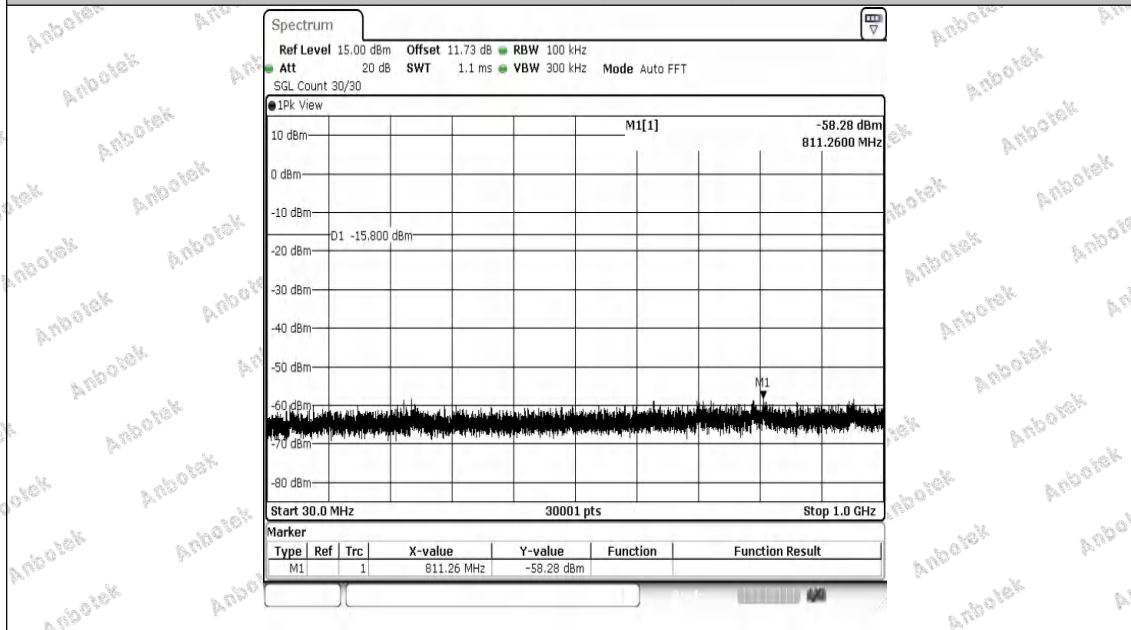


DH5-Ant1-2441-1000~26500-PASS



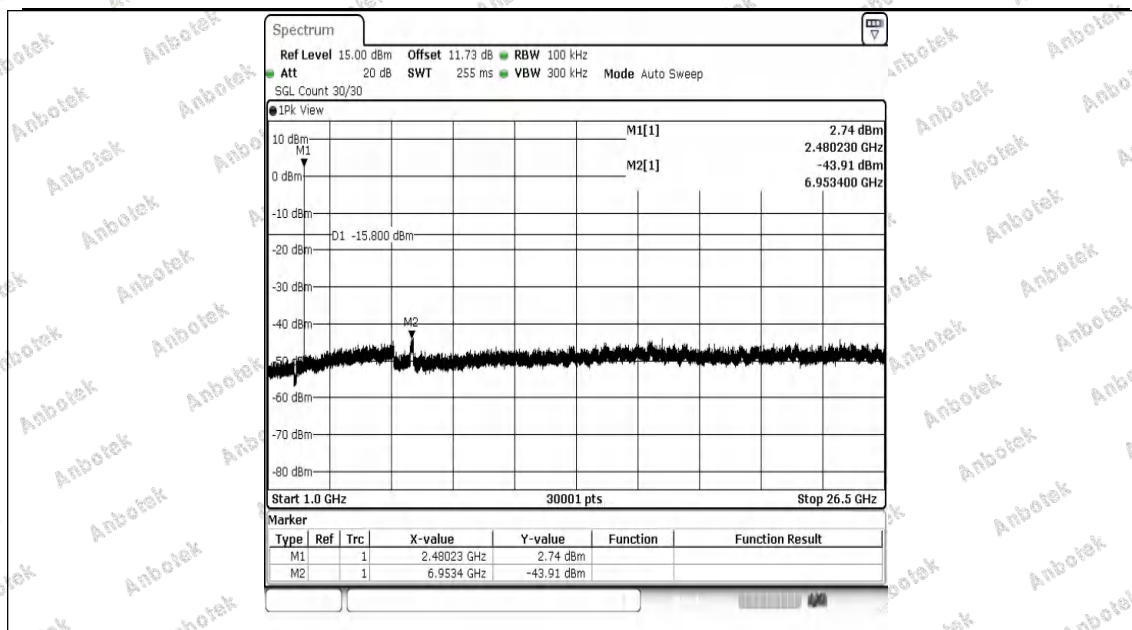


DH5-Ant1-2480-0~Reference-PASS

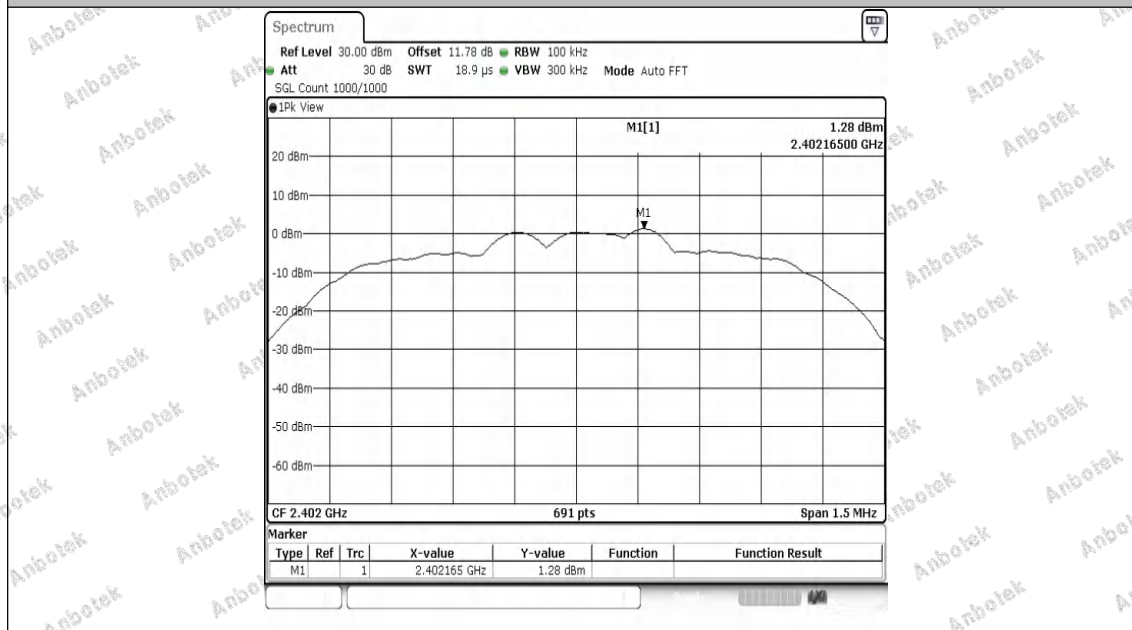


DH5-Ant1-2480-30~1000-PASS



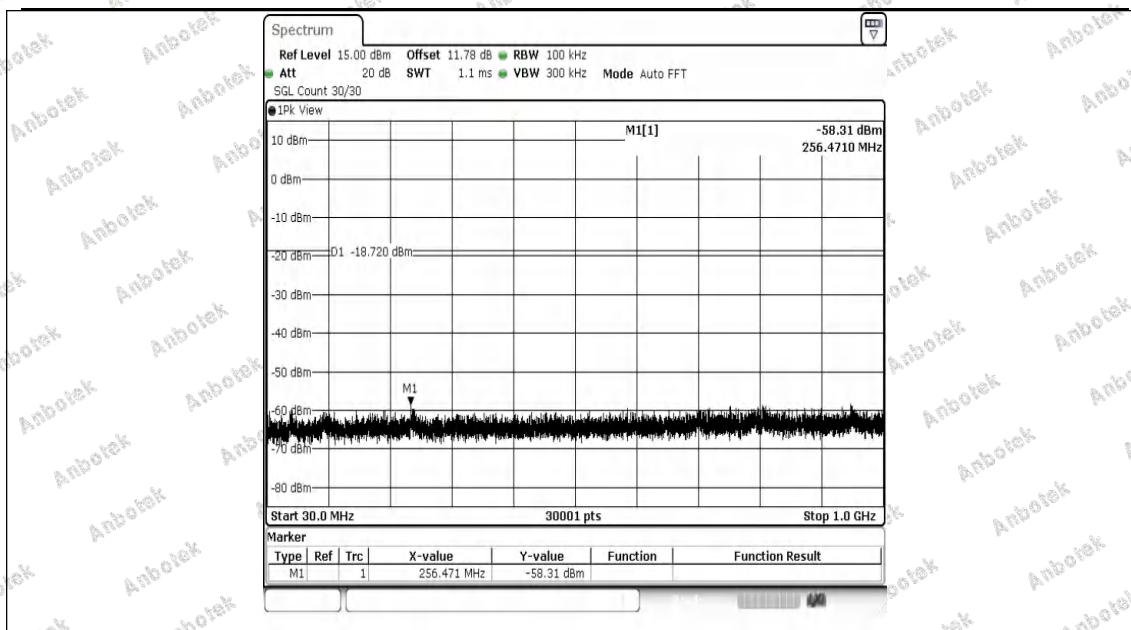


DH5-Ant1-2480-1000~26500-PASS

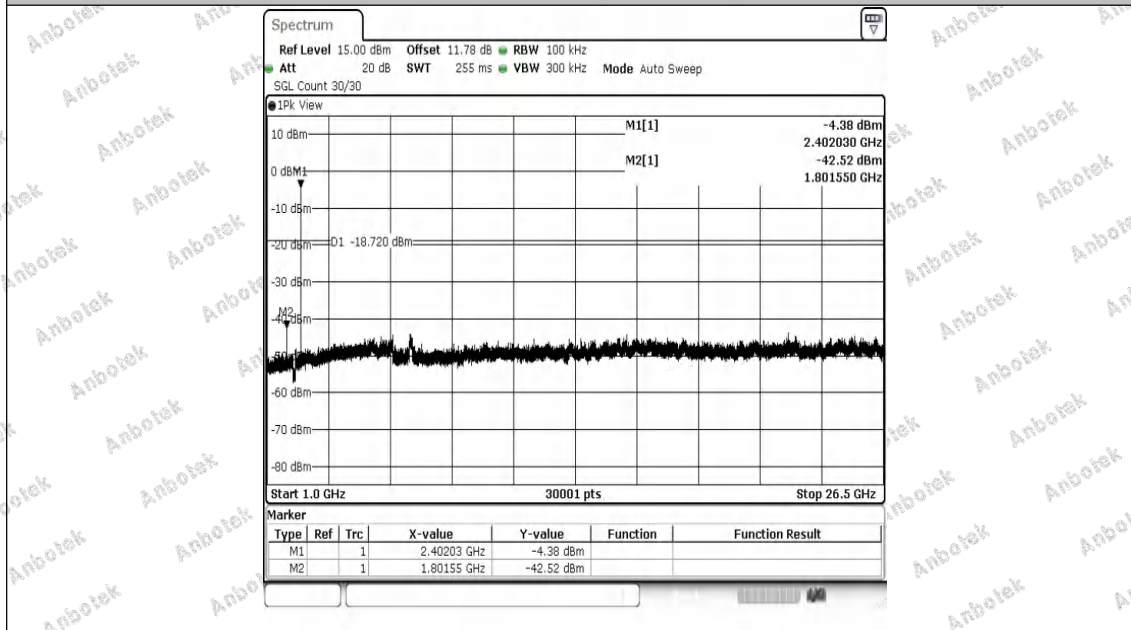


2DH5-Ant1-2402-0~Reference-PASS



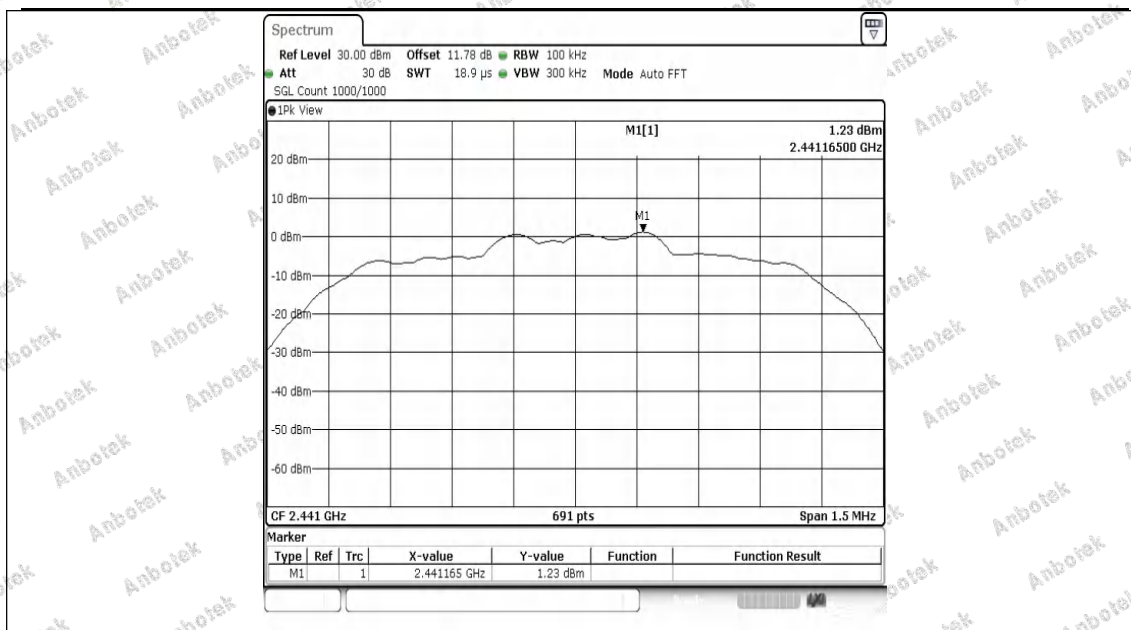


2DH5-Ant1-2402-30~1000-PASS

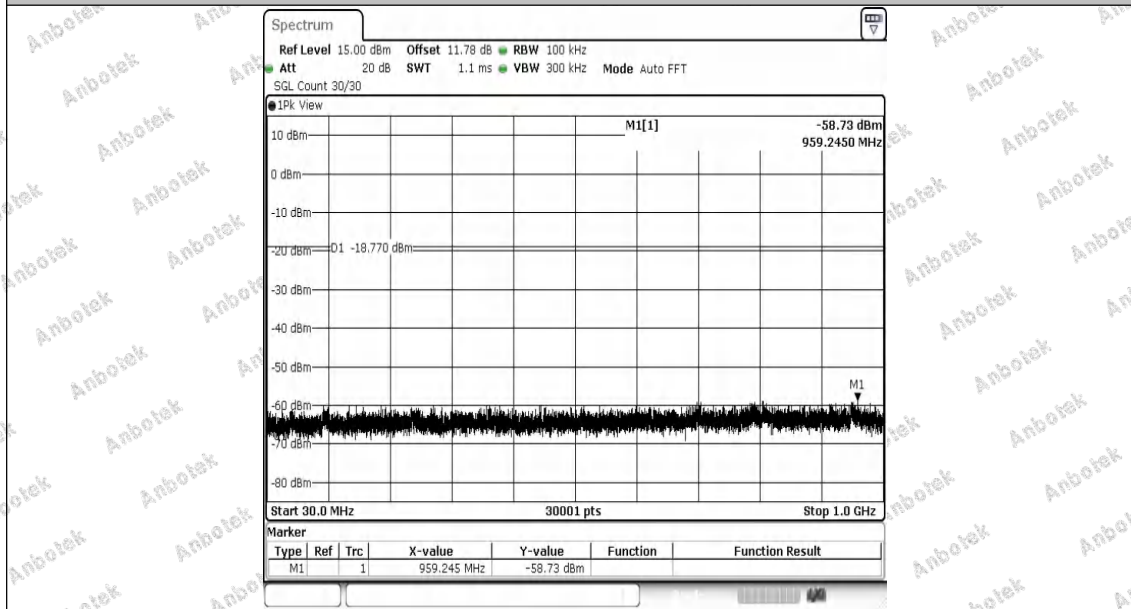


2DH5-Ant1-2402-1000~26500-PASS



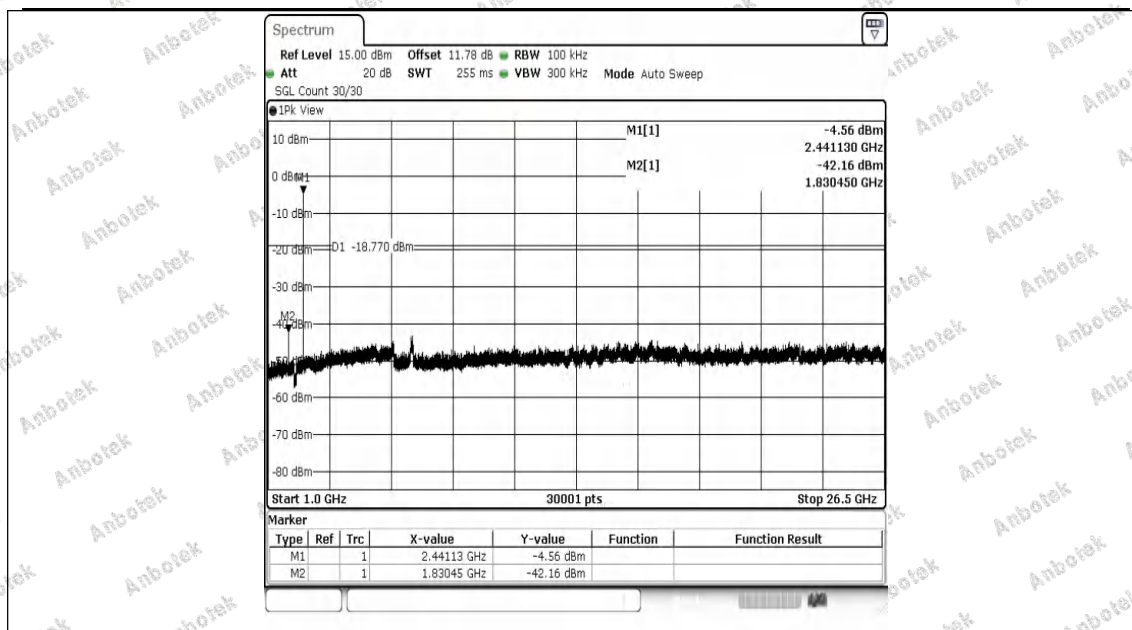


2DH5-Ant1-2441-0~Reference-PASS

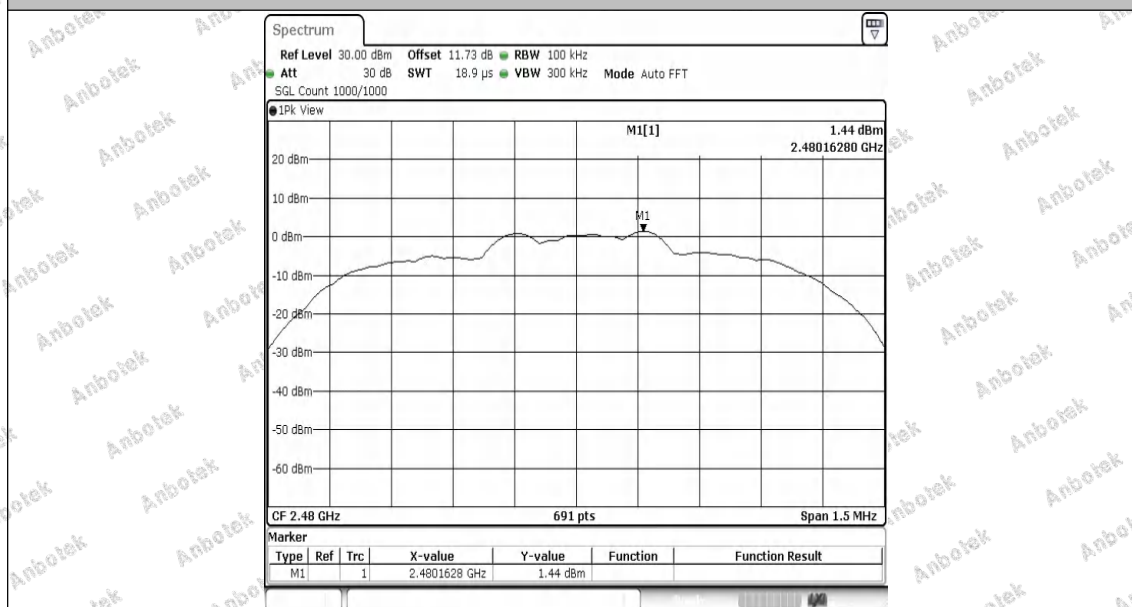


2DH5-Ant1-2441-30~1000-PASS



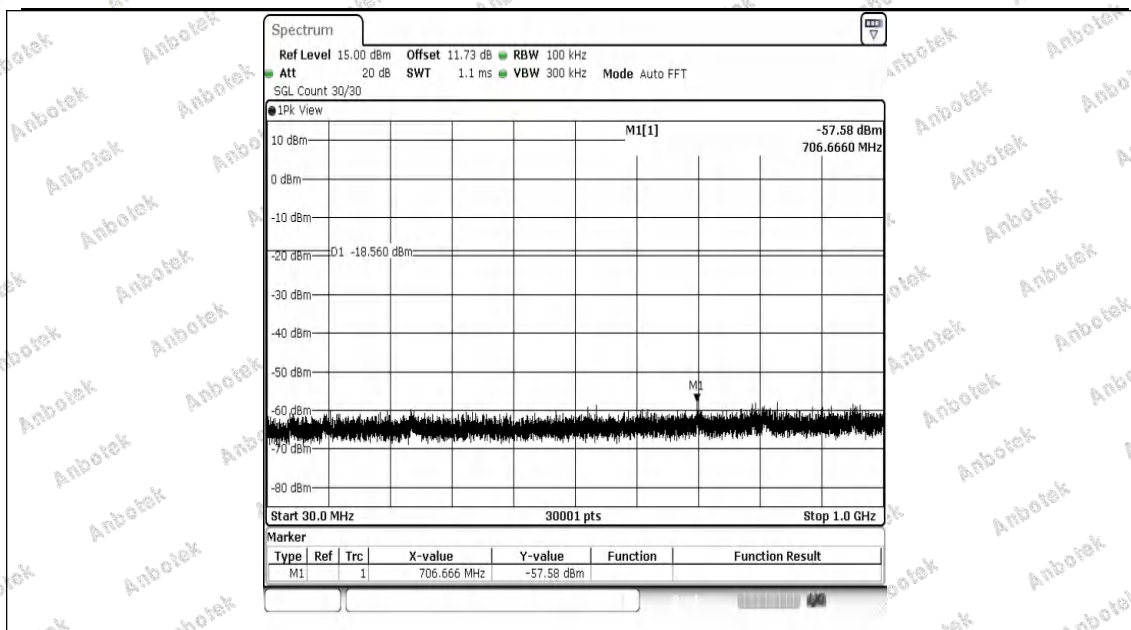


2DH5-Ant1-2441-1000~26500-PASS

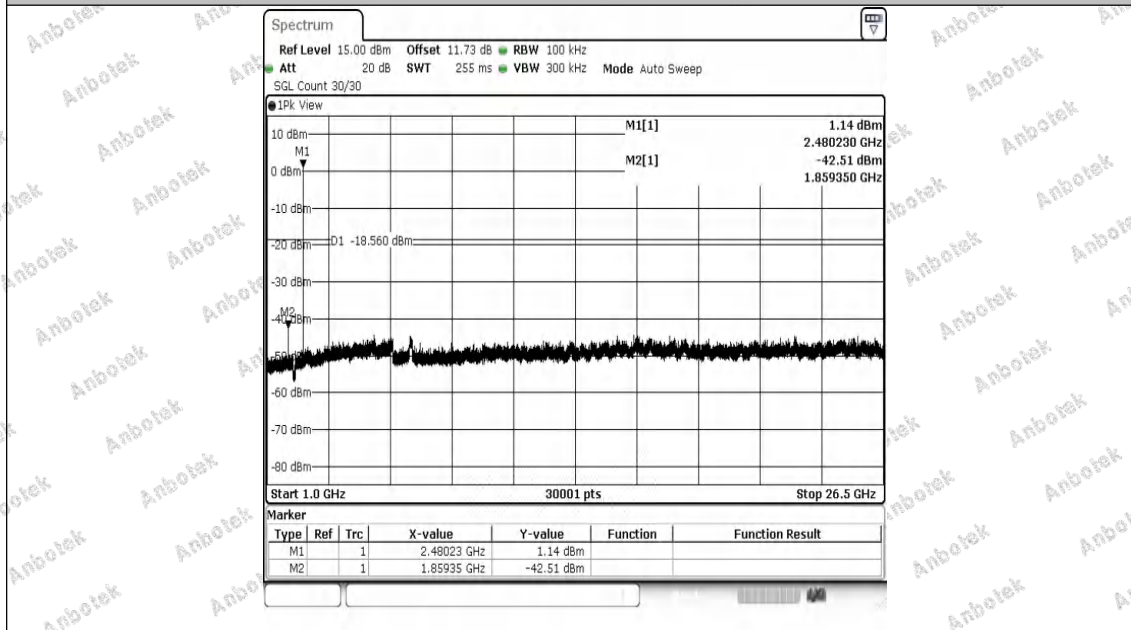


2DH5-Ant1-2480-0~Reference-PASS



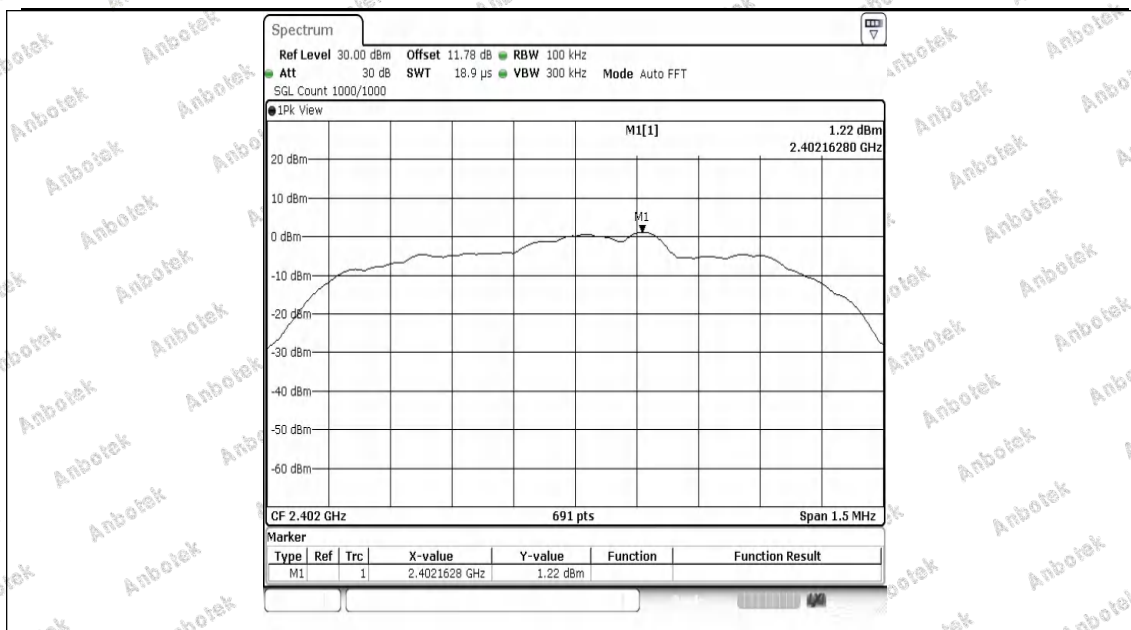


2DH5-Ant1-2480-30~1000-PASS

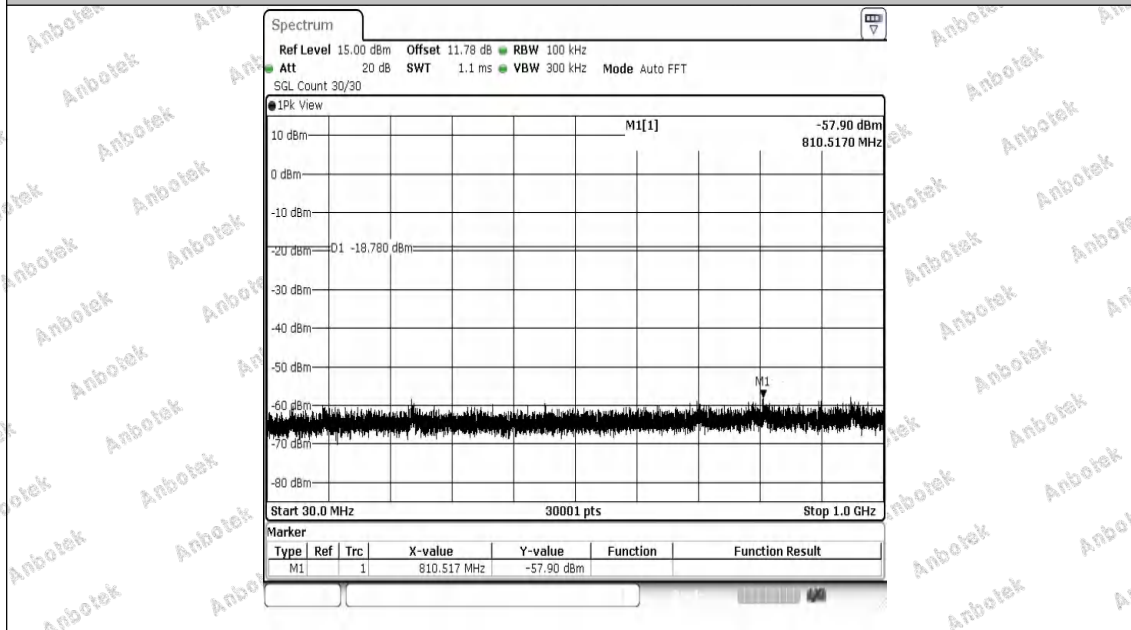


2DH5-Ant1-2480-1000~26500-PASS



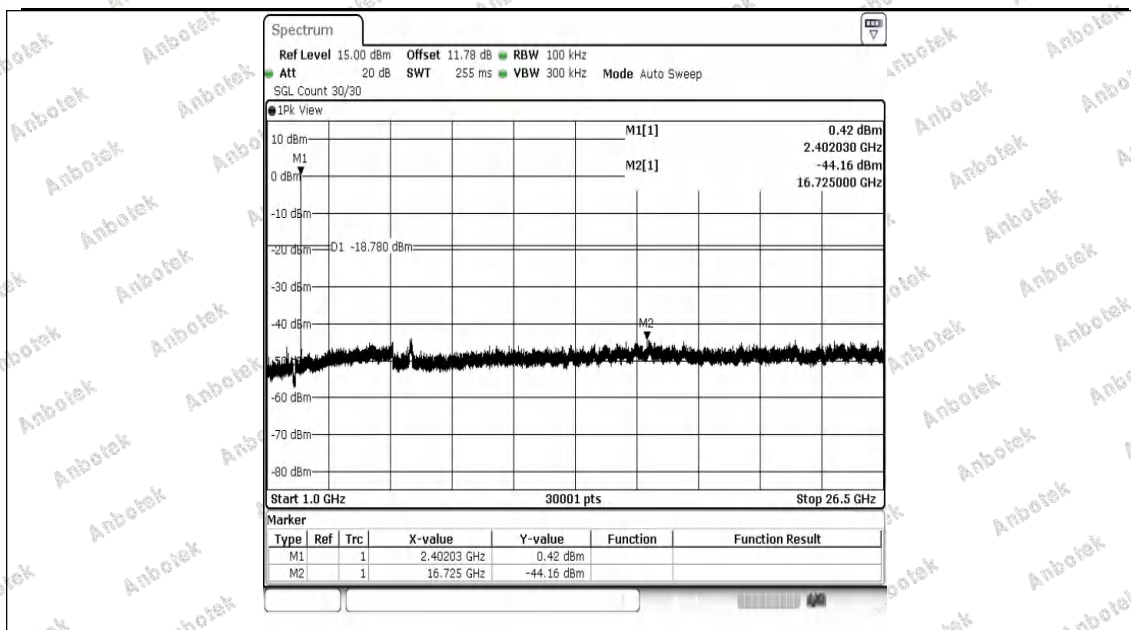


3DH5-Ant1-2402-0~Reference-PASS

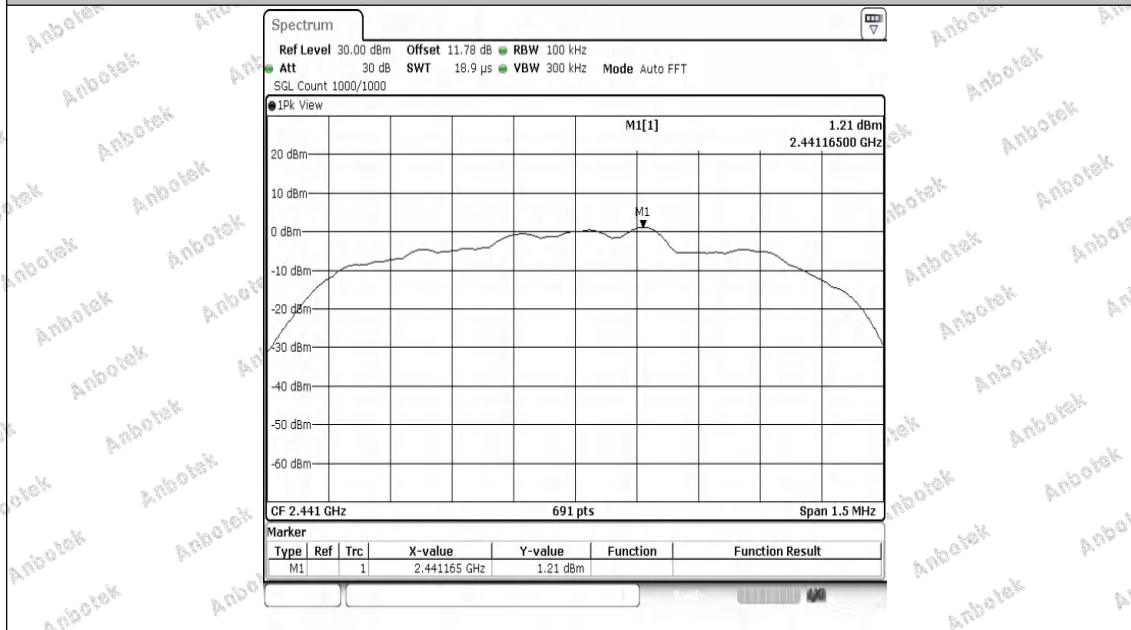


3DH5-Ant1-2402-30~1000-PASS



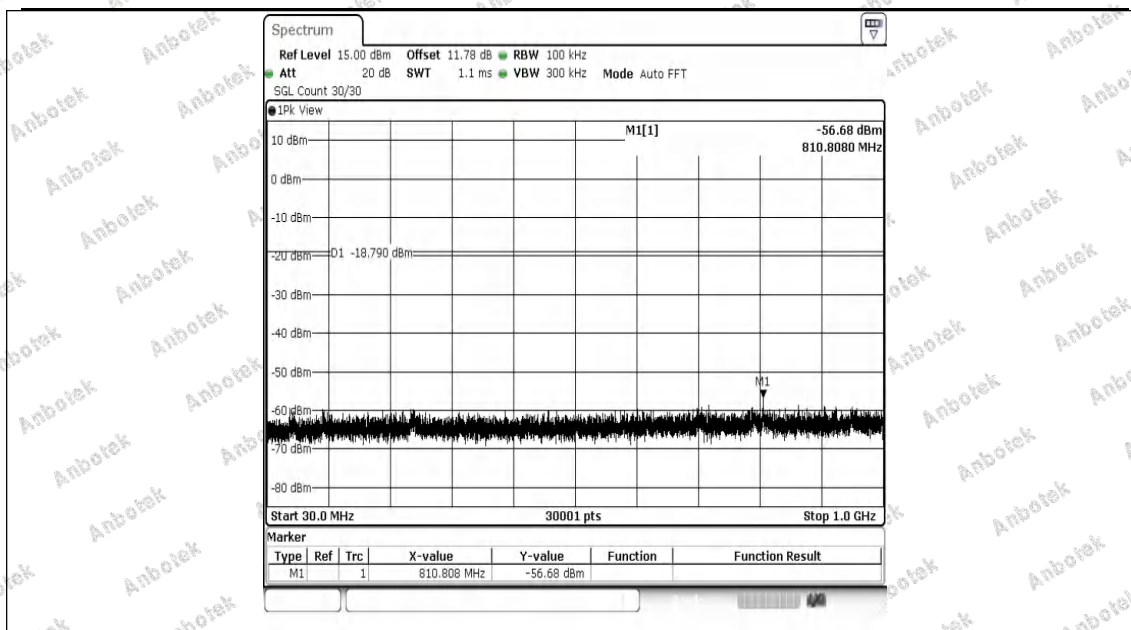


3DH5-Ant1-2402-1000~26500-PASS

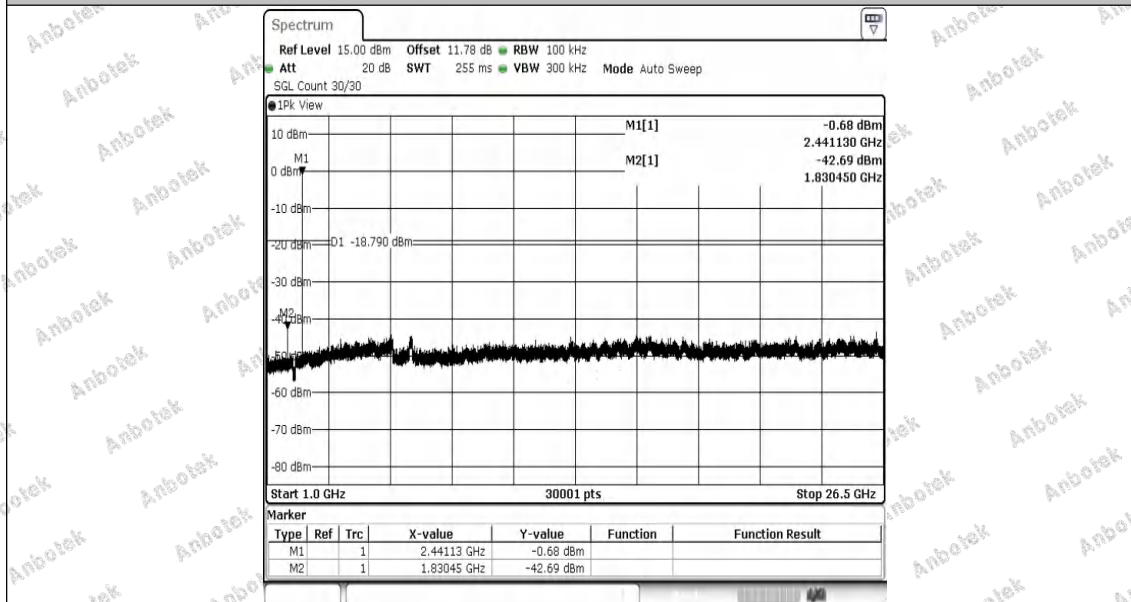


3DH5-Ant1-2441-0~Reference-PASS



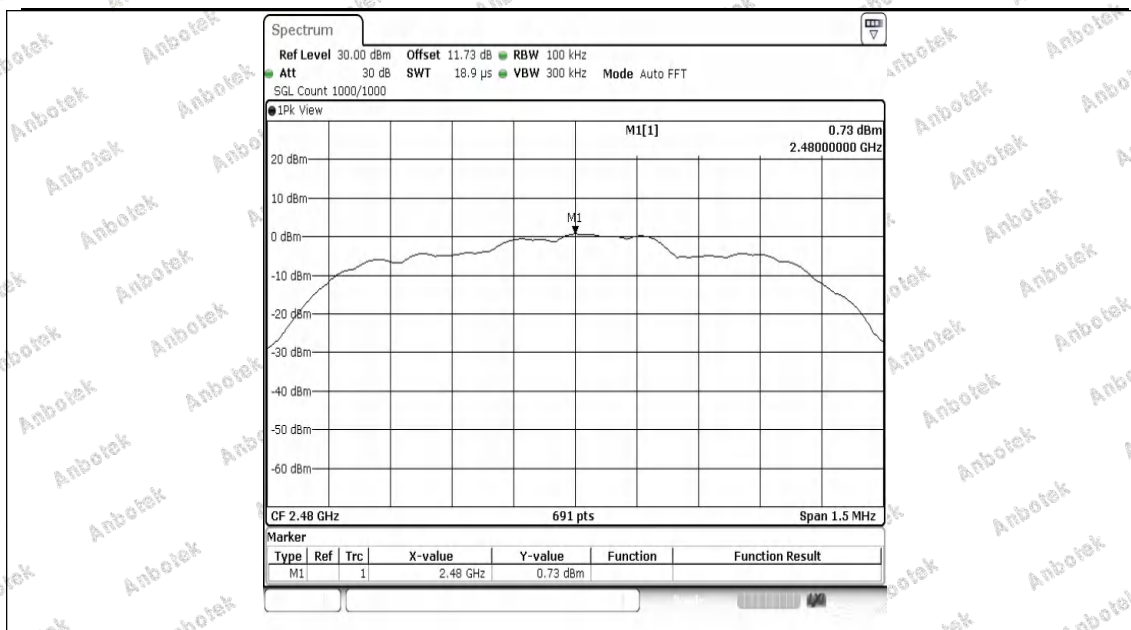


3DH5-Ant1-2441-30~1000-PASS

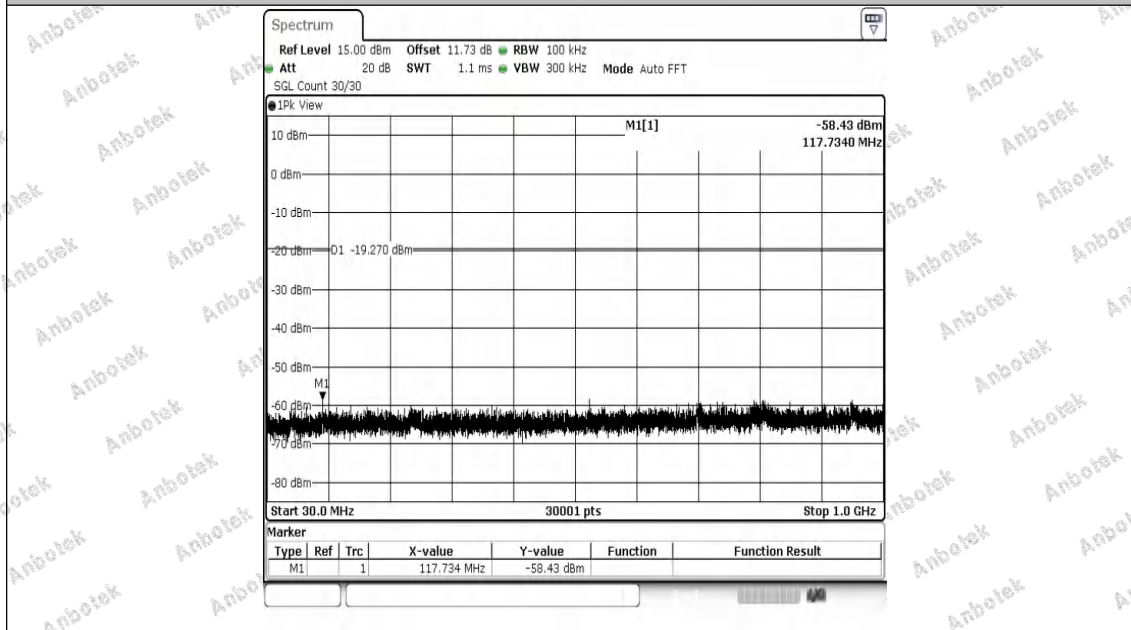


3DH5-Ant1-2441-1000~26500-PASS



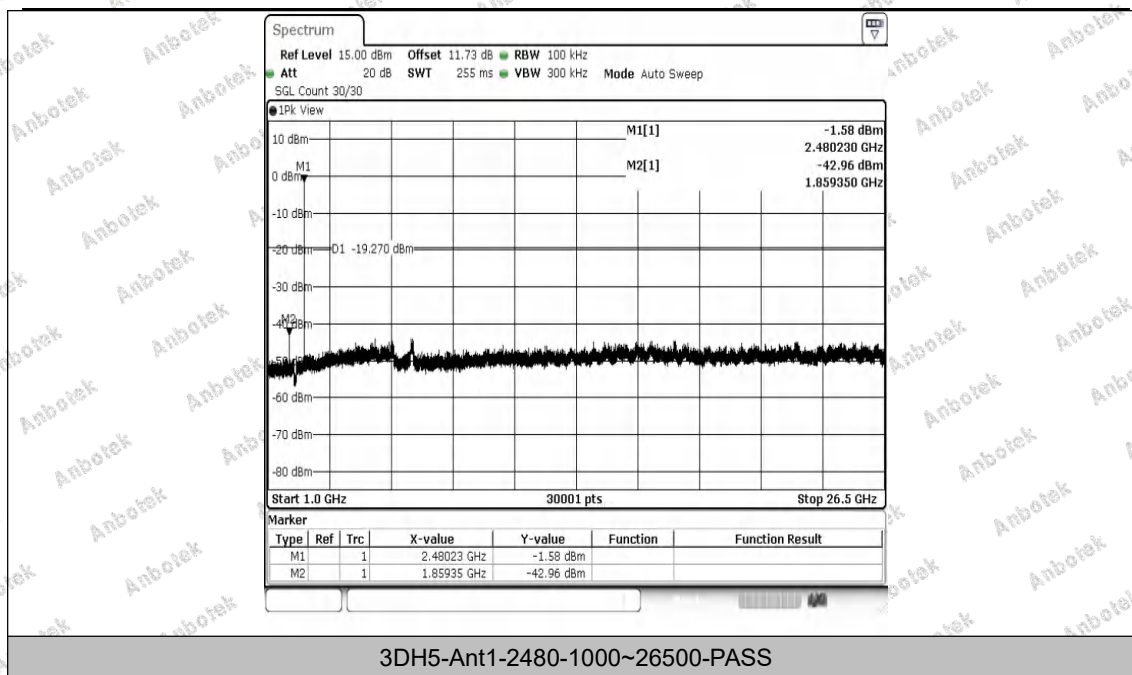


3DH5-Ant1-2480-0~Reference-PASS



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





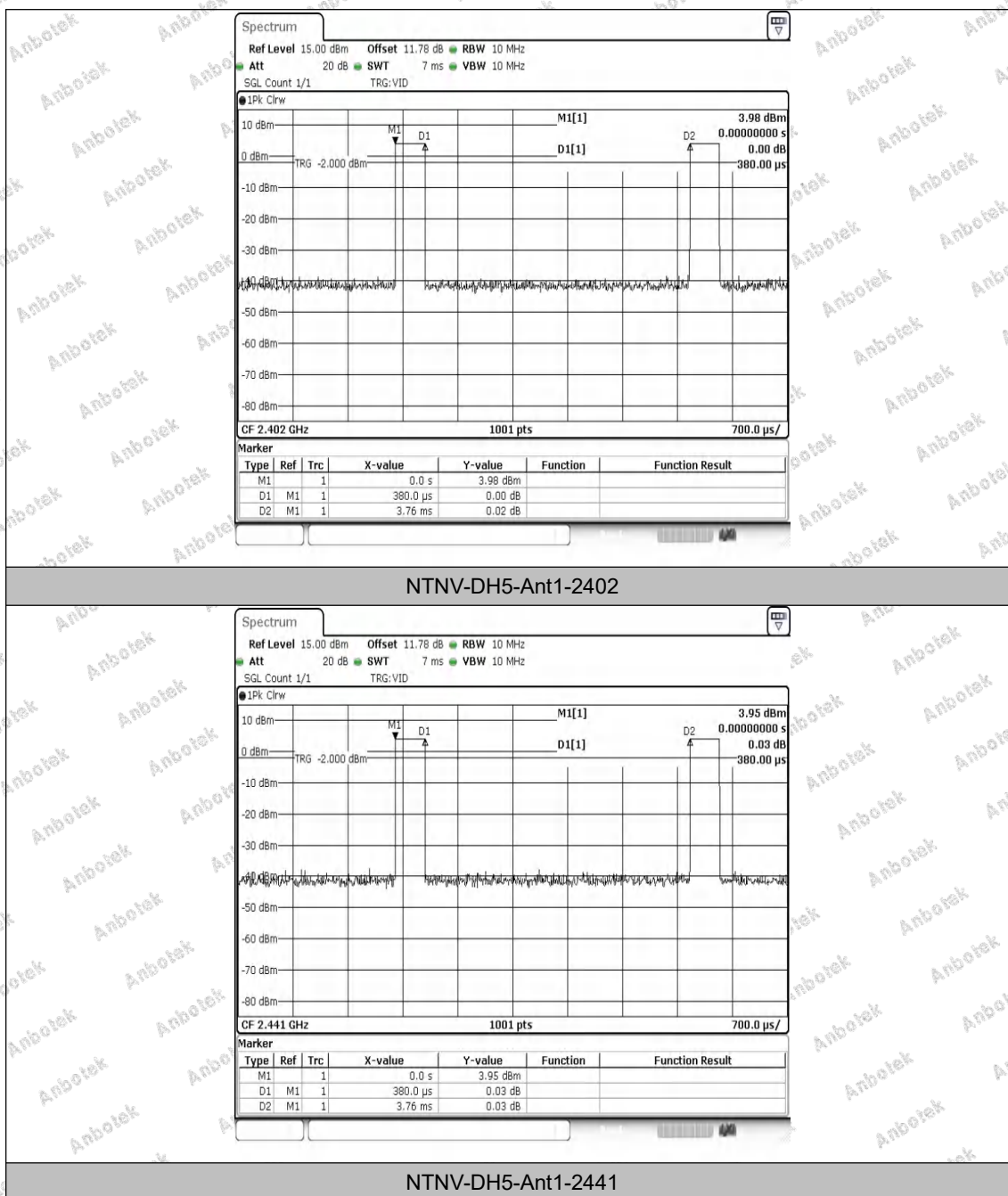
Appendix I: Duty Cycle

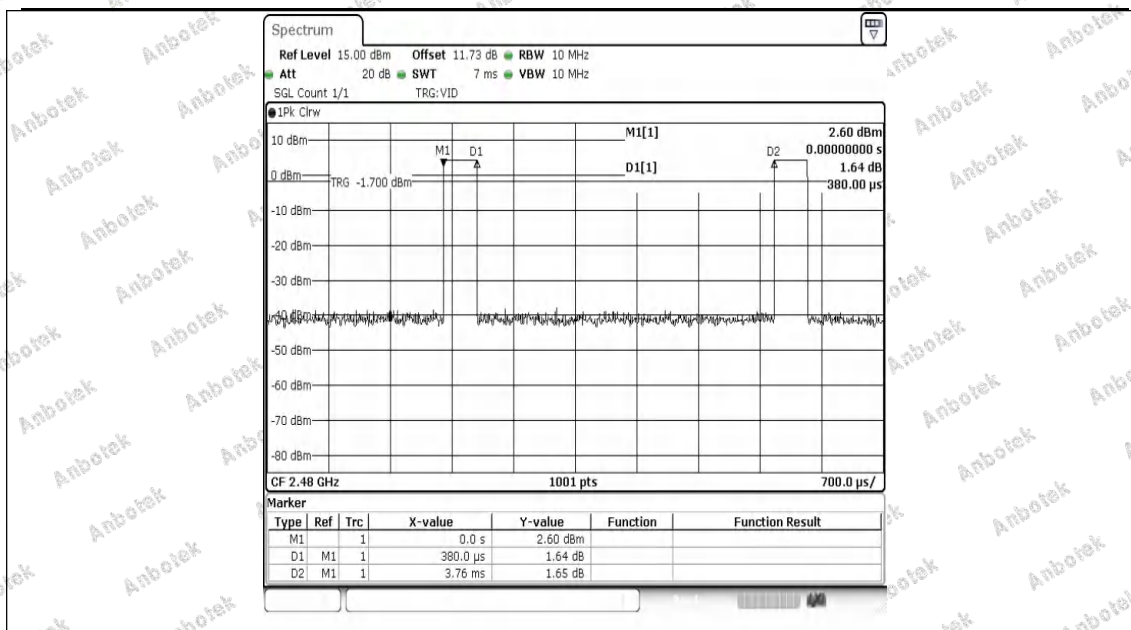
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	0.38	3.76	10.11	9.95
DH5	Ant1	2441	0.38	3.76	10.11	9.95
DH5	Ant1	2480	0.38	3.76	10.11	9.95
2DH5	Ant1	2402	1.63	3.75	43.47	3.62
2DH5	Ant1	2441	1.64	3.76	43.62	3.60
2DH5	Ant1	2480	1.64	3.76	43.62	3.60
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.88	3.76	76.60	1.16
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

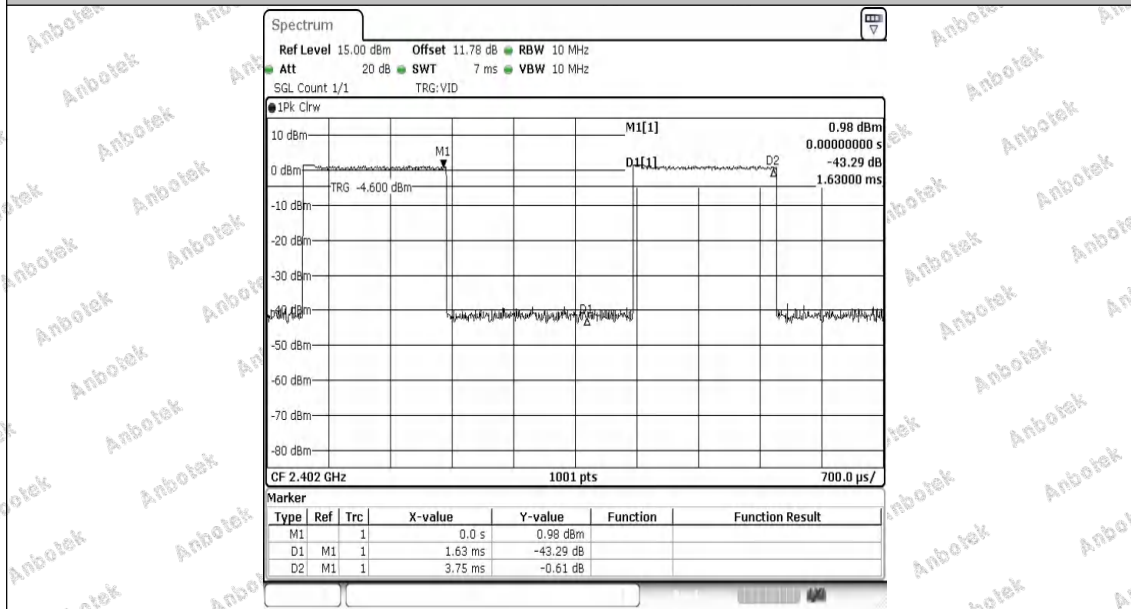


Test Graphs



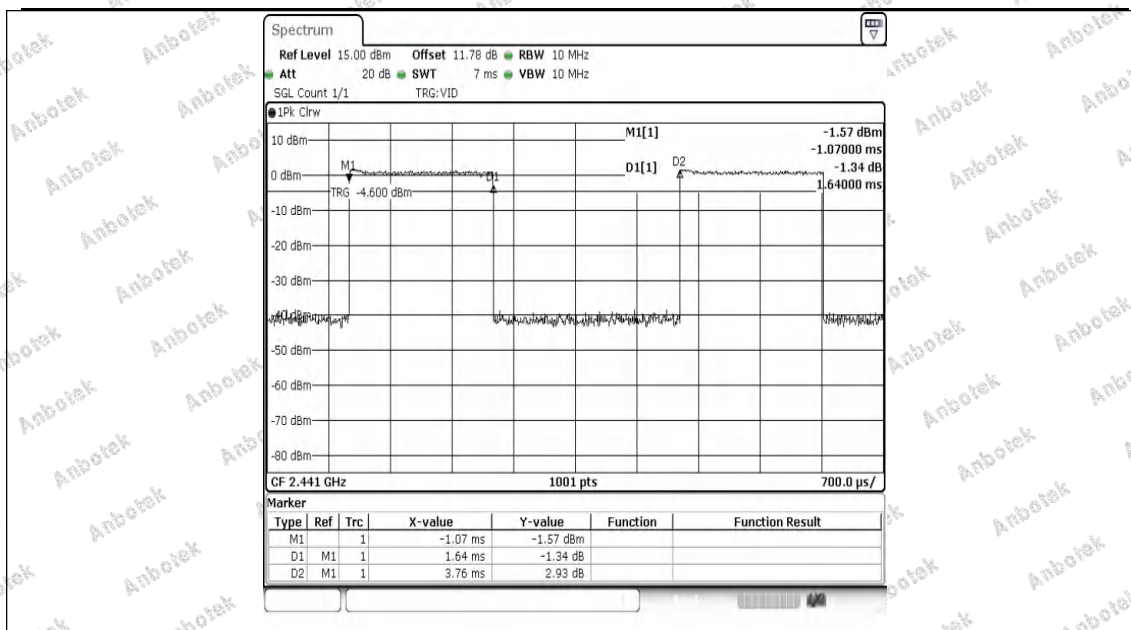


NTNV-DH5-Ant1-2480

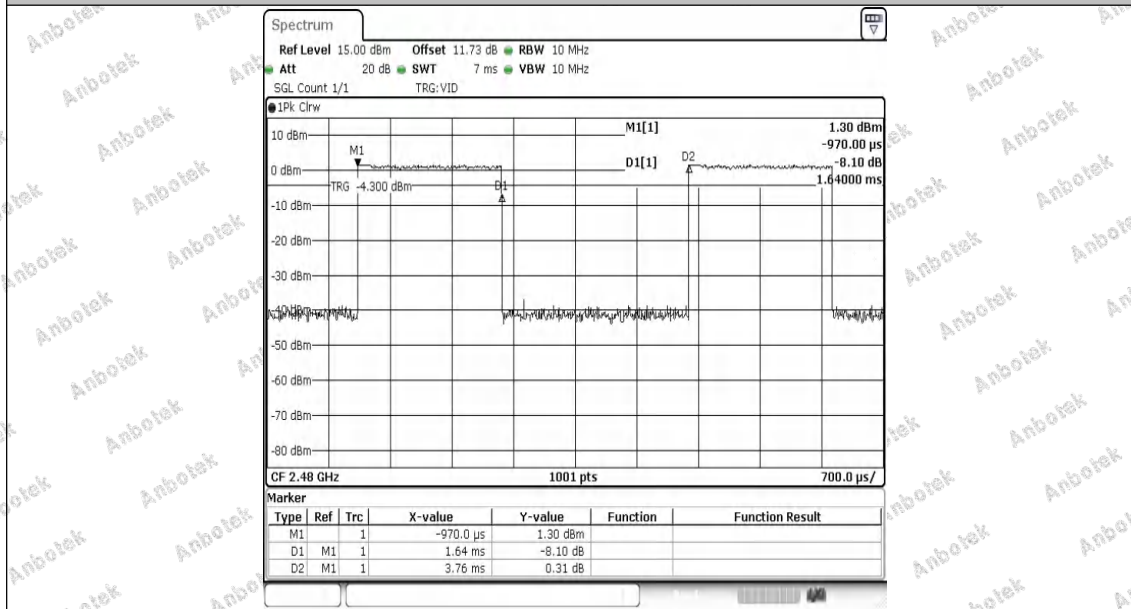


NTNV-2DH5-Ant1-2402



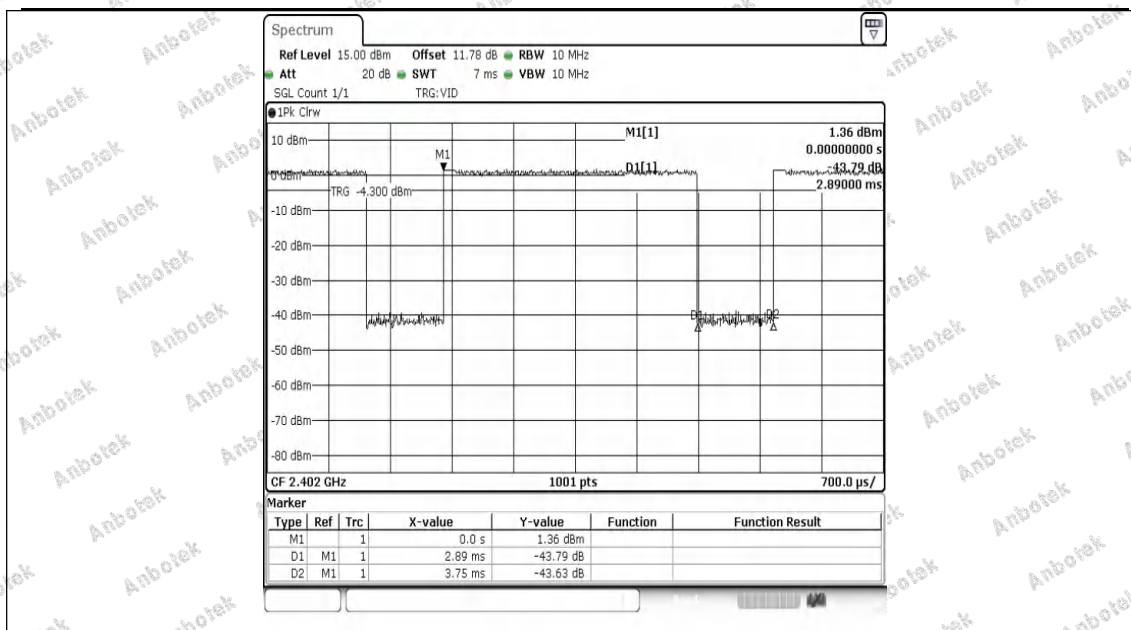


NTNV-2DH5-Ant1-2441

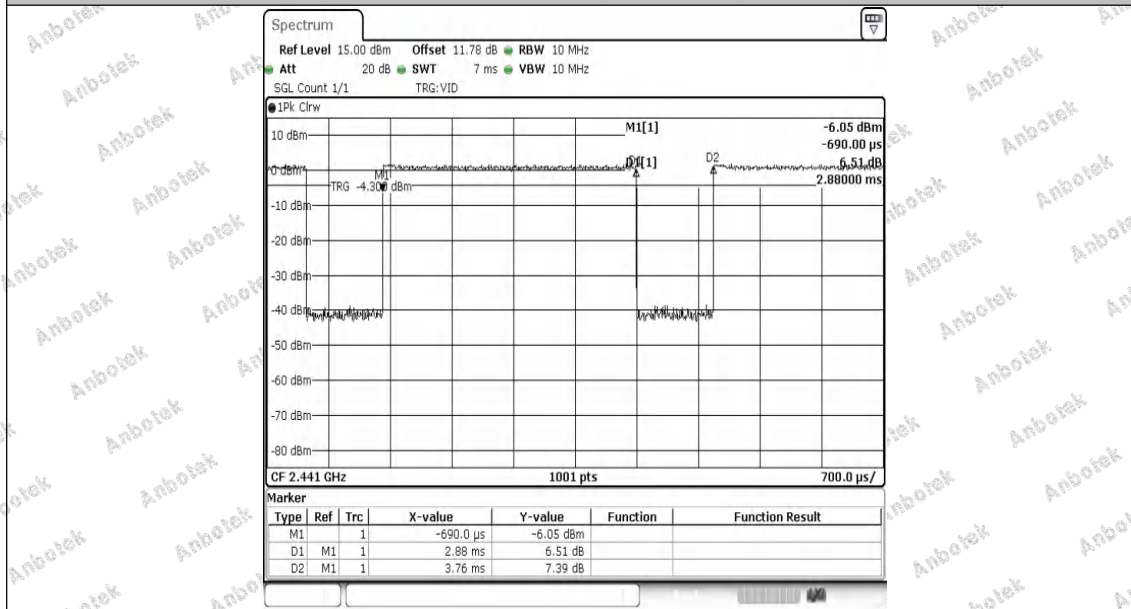


NTNV-2DH5-Ant1-2480



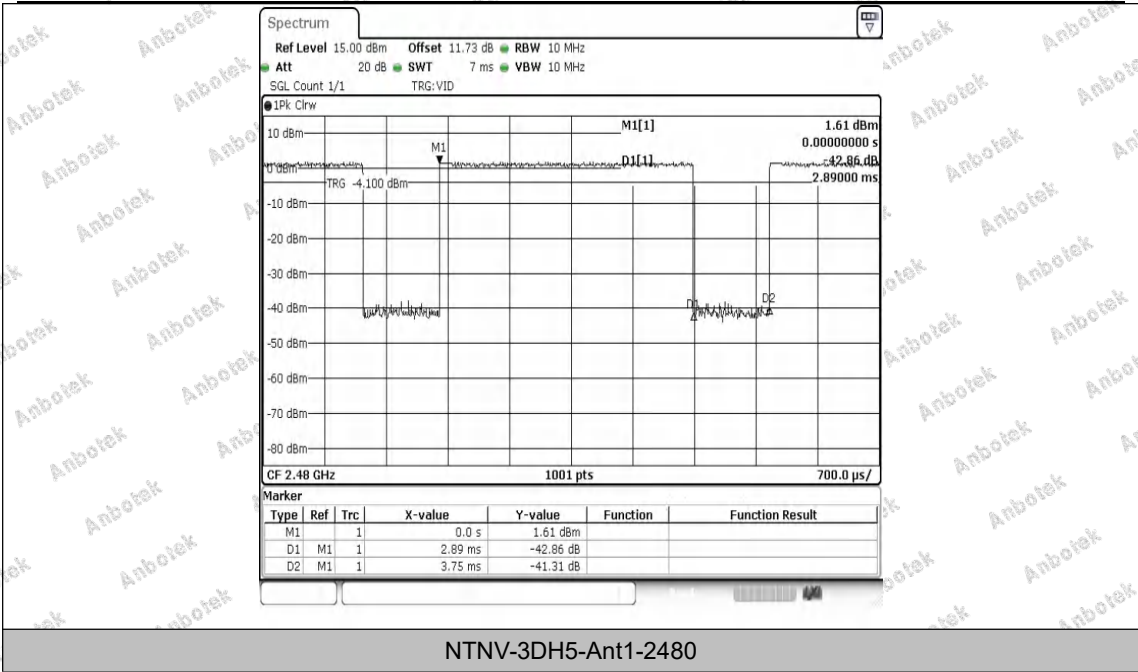


NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441





---END---

