

Appendix Test Data

Report No:	1819C40050512501	Test Sample NO:	1-2-2
Start Test Date:	2024.10.17	Finish Test Date:	2024.10.17
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	23.4℃	Relative Humidity:	53%
Pressure:	101 kPa		

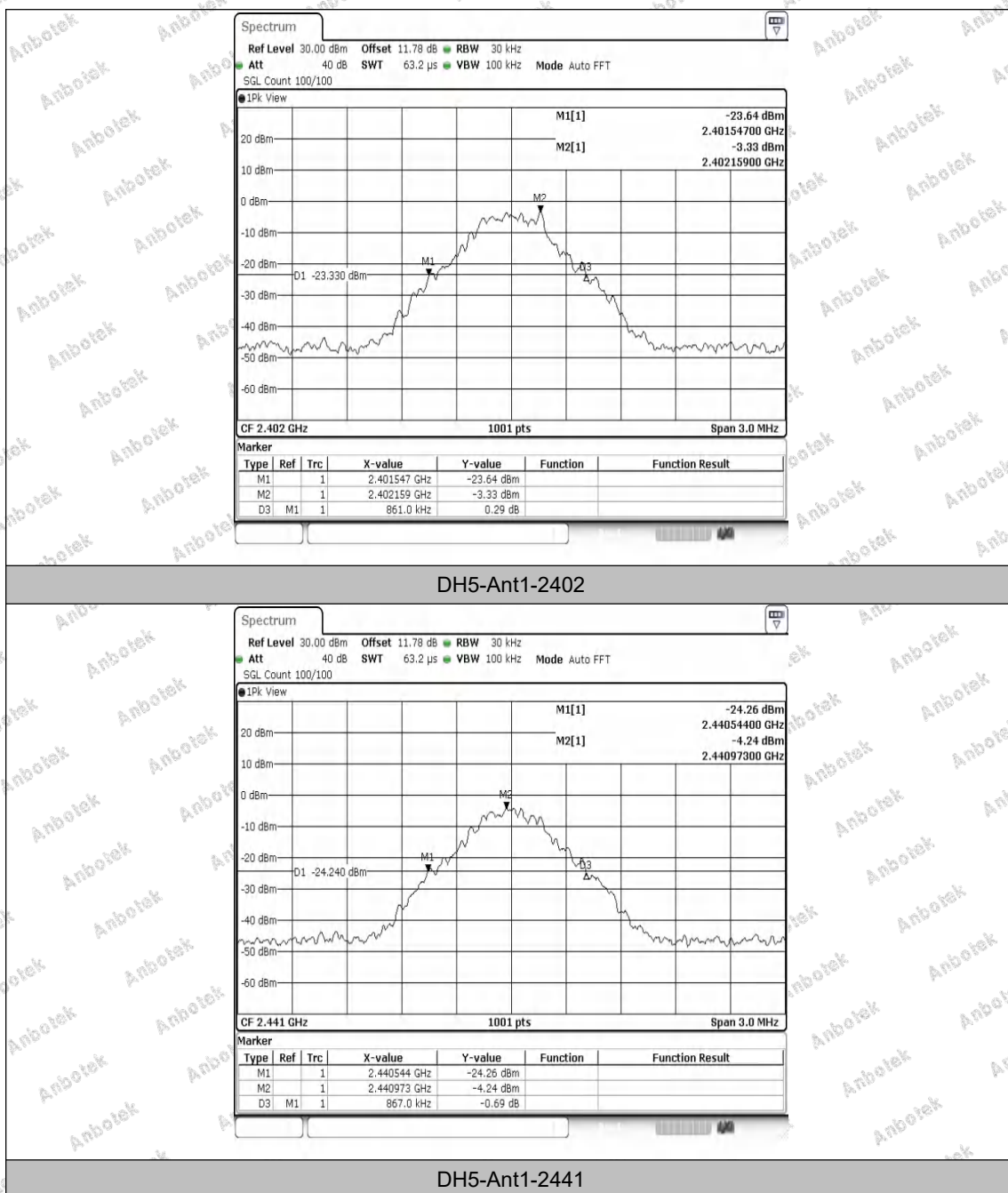
Appendix A: 20dB Emission Bandwidth

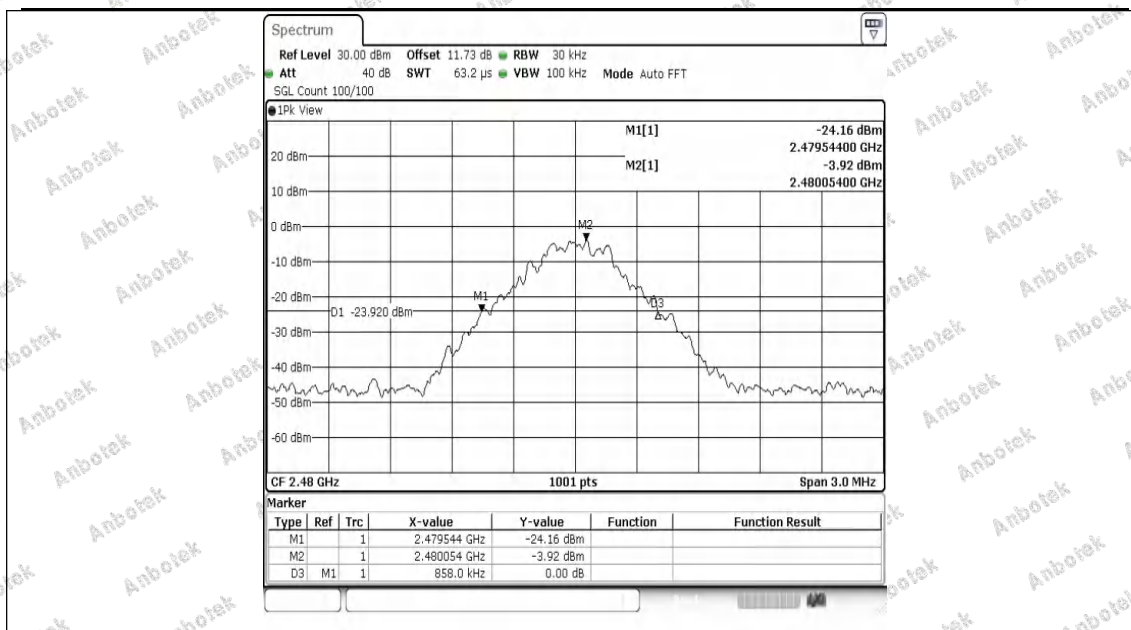
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86	2401.55	2402.41	---	---
DH5	Ant1	2441	0.87	2440.54	2441.41	---	---
DH5	Ant1	2480	0.86	2479.54	2480.40	---	---
2DH5	Ant1	2402	1.29	2401.36	2402.65	---	---
2DH5	Ant1	2441	1.27	2440.37	2441.65	---	---
2DH5	Ant1	2480	1.30	2479.35	2480.65	---	---
3DH5	Ant1	2402	1.31	2401.34	2402.65	---	---
3DH5	Ant1	2441	1.29	2440.35	2441.64	---	---
3DH5	Ant1	2480	1.29	2479.35	2480.64	---	---

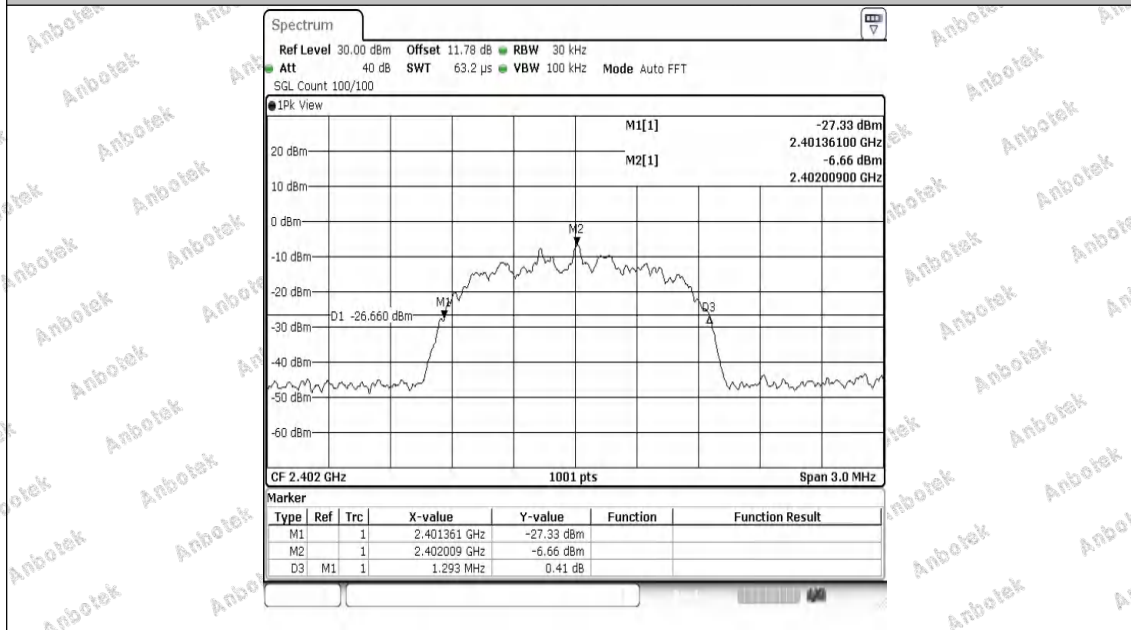


Test Graphs



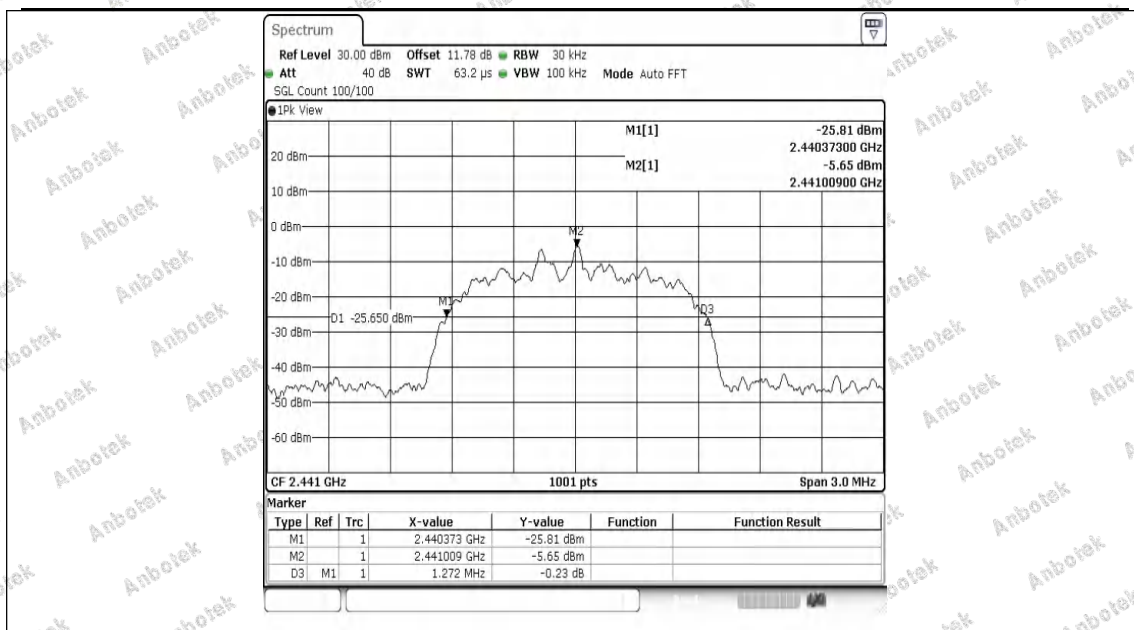


DH5-Ant1-2480

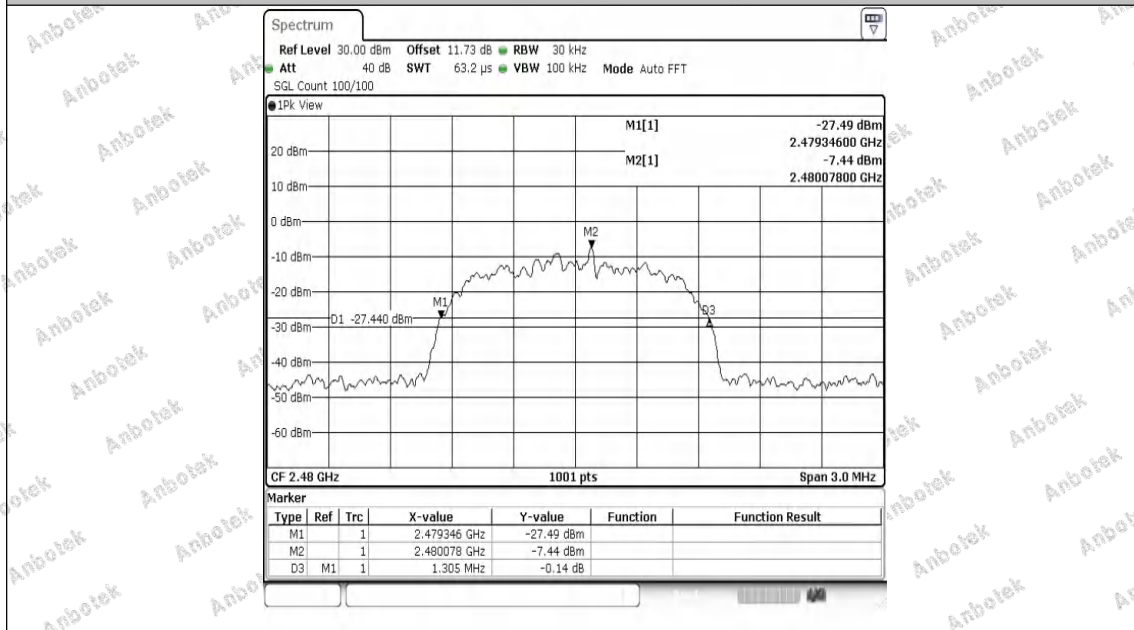


2DH5-Ant1-2402



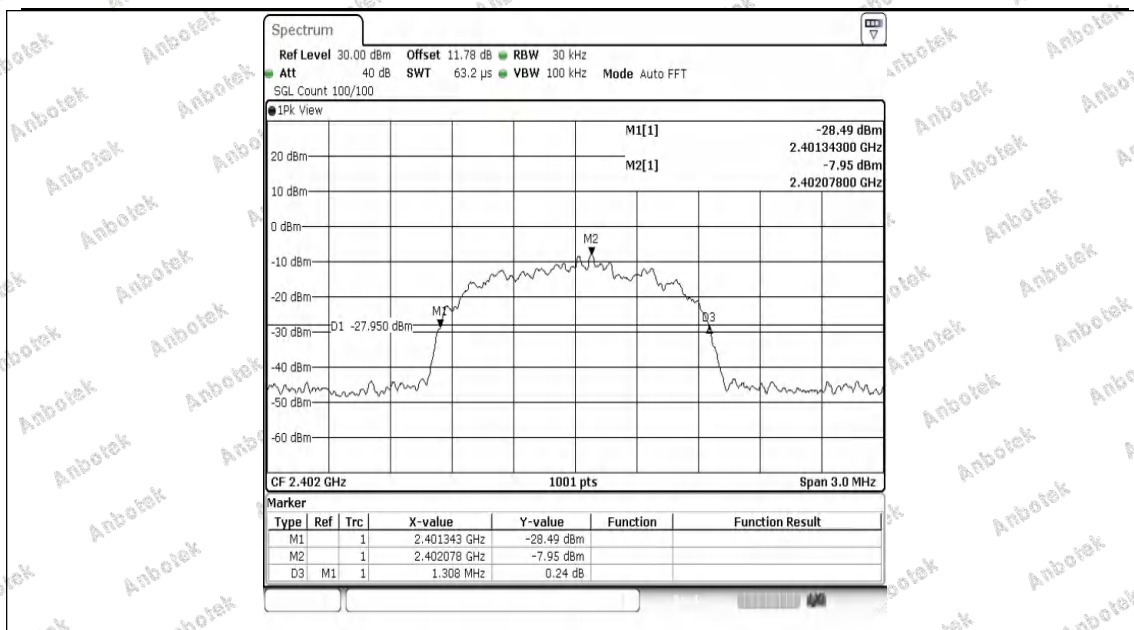


2DH5-Ant1-2441

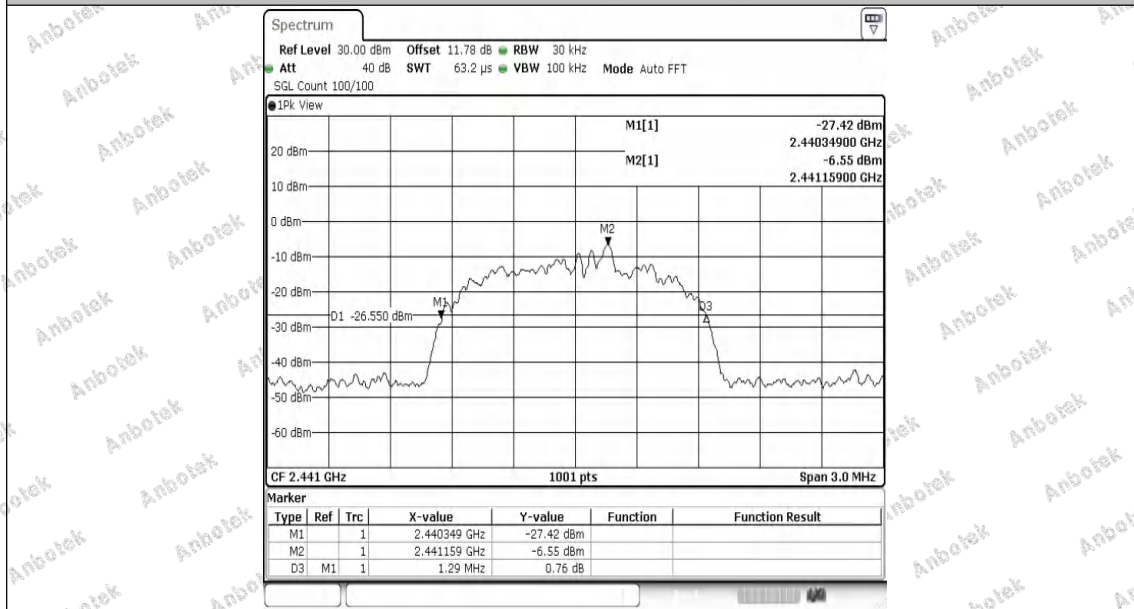


2DH5-Ant1-2480





3DH5-Ant1-2402



3DH5-Ant1-2441





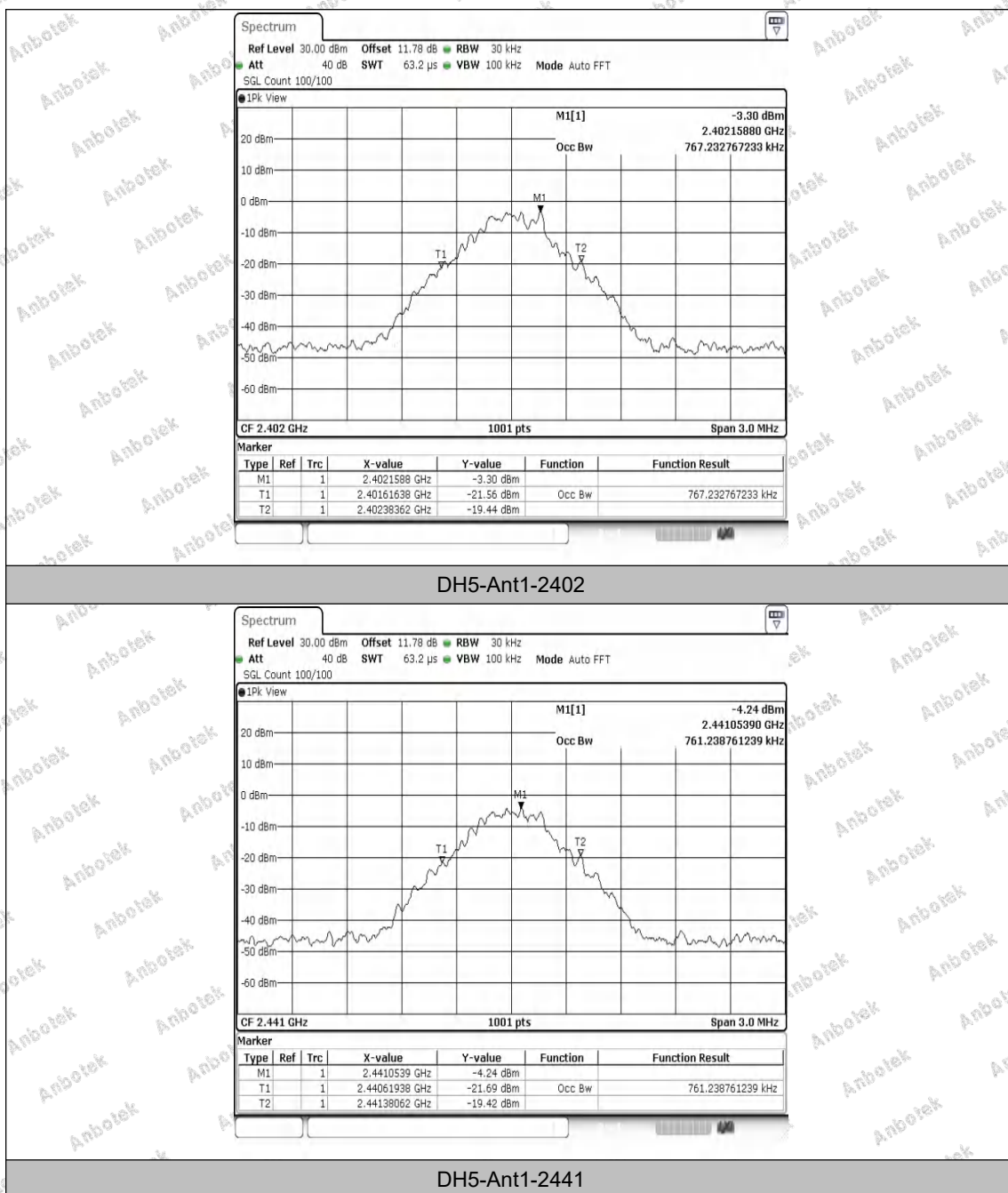
Appendix B: Occupied Channel Bandwidth

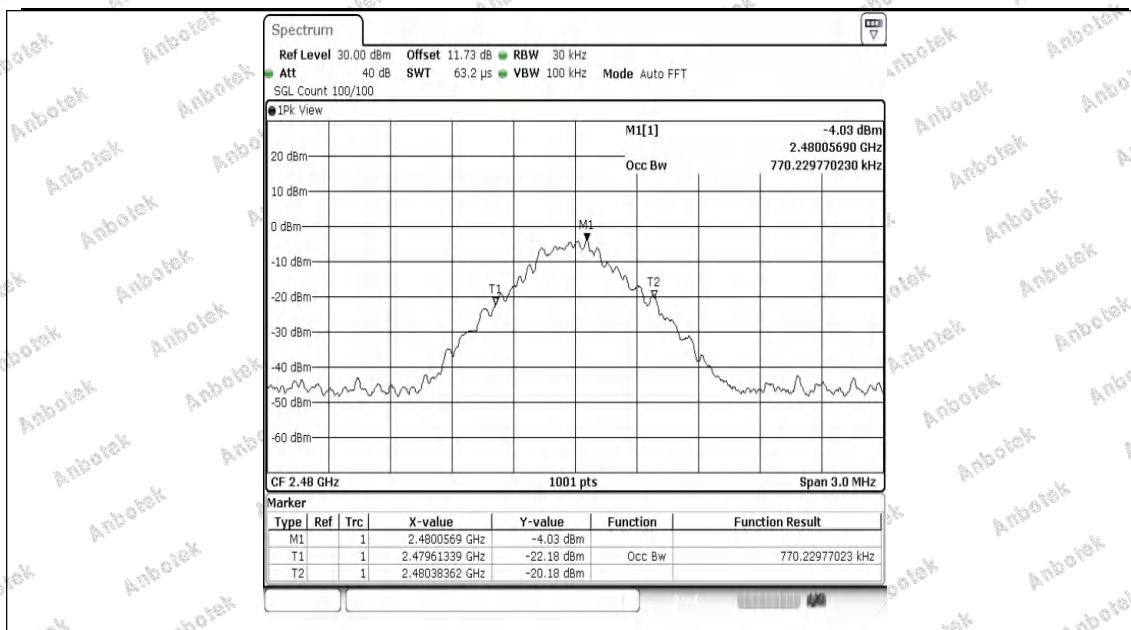
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.767	2401.6164	2402.3836	---	---
DH5	Ant1	2441	0.761	2440.6194	2441.3806	---	---
DH5	Ant1	2480	0.77	2479.6134	2480.3836	---	---
2DH5	Ant1	2402	1.181	2401.4066	2402.5874	---	---
2DH5	Ant1	2441	1.172	2440.4066	2441.5784	---	---
2DH5	Ant1	2480	1.16	2479.4126	2480.5724	---	---
3DH5	Ant1	2402	1.172	2401.4126	2402.5844	---	---
3DH5	Ant1	2441	1.172	2440.4126	2441.5844	---	---
3DH5	Ant1	2480	1.166	2479.4126	2480.5784	---	---

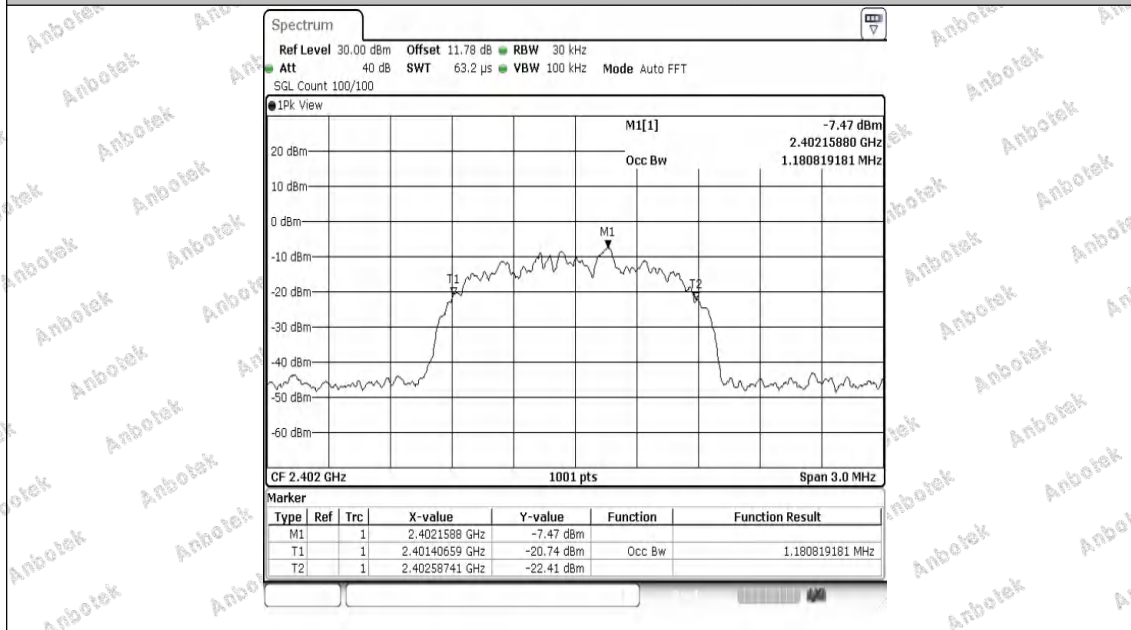


Test Graphs



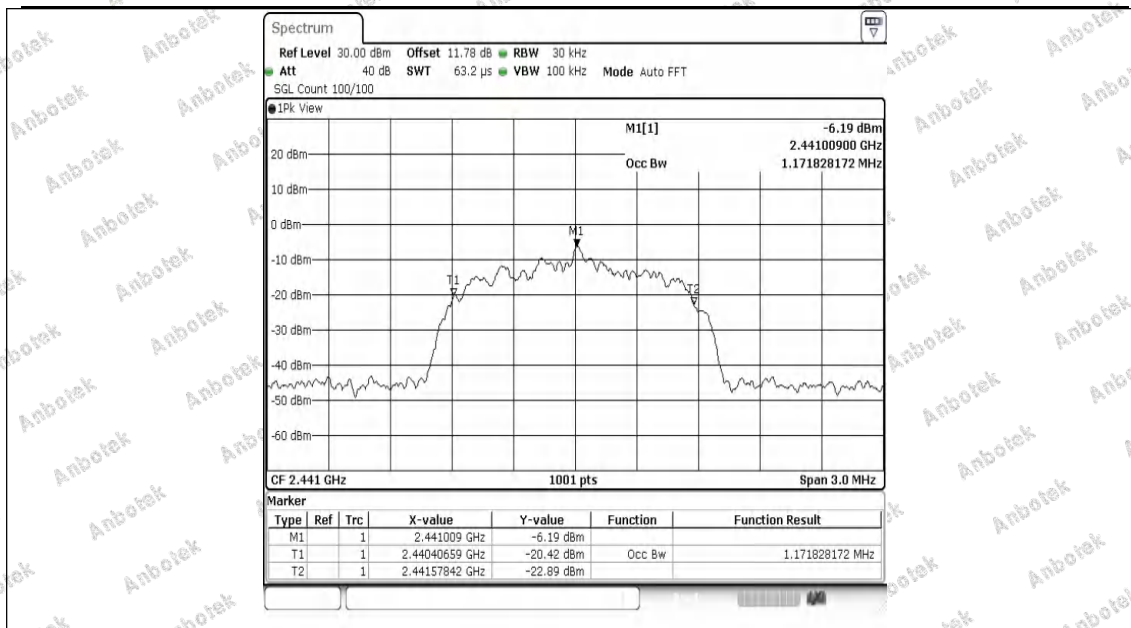


DH5-Ant1-2480

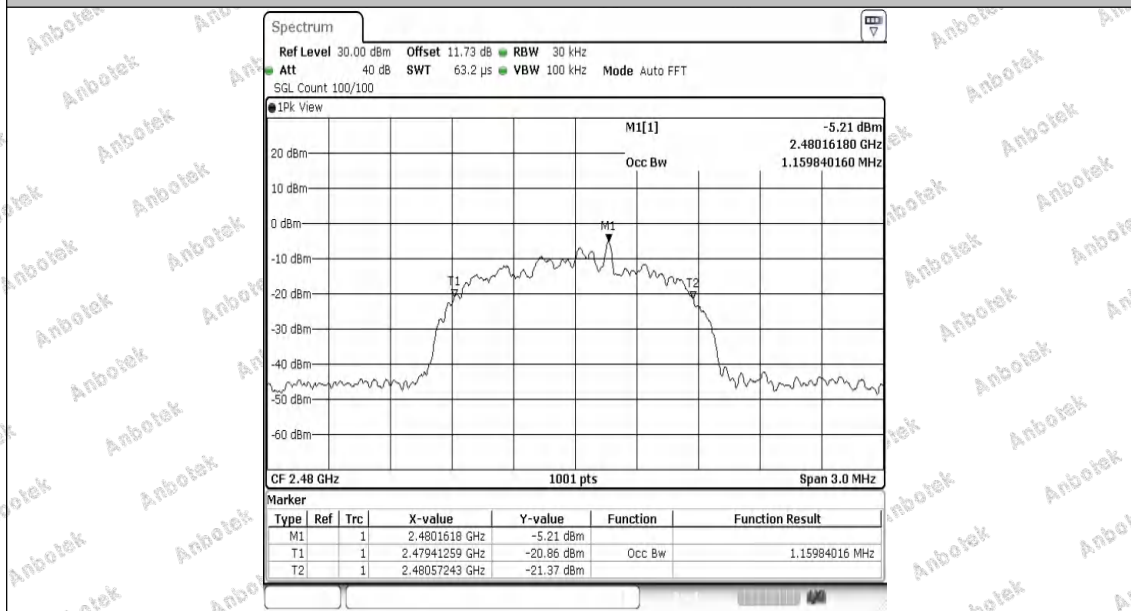


2DH5-Ant1-2402



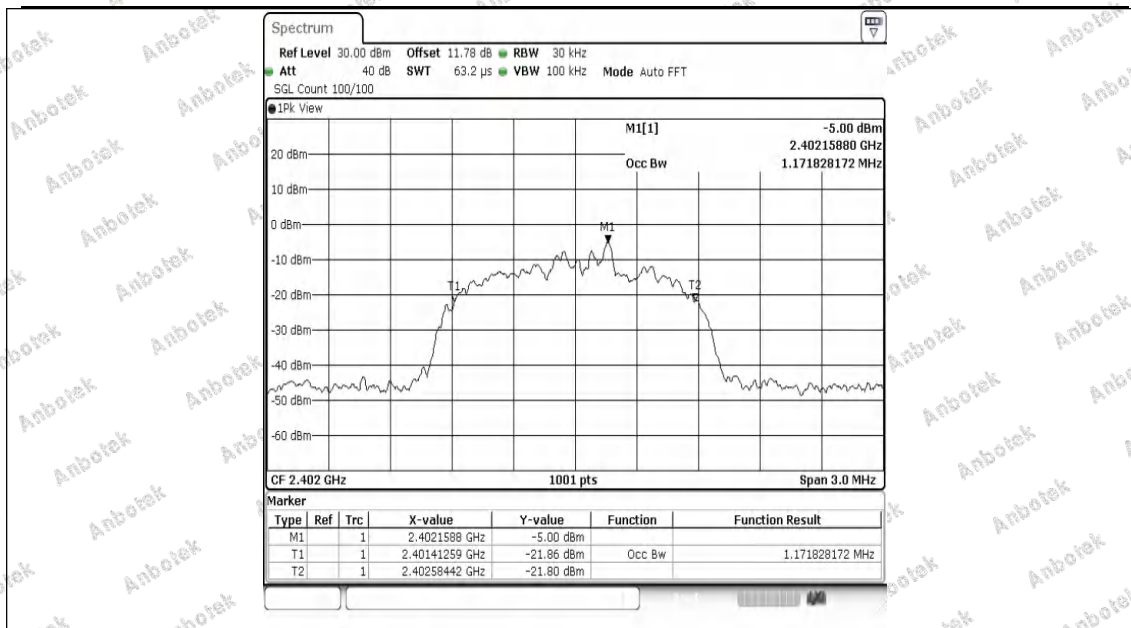


2DH5-Ant1-2441

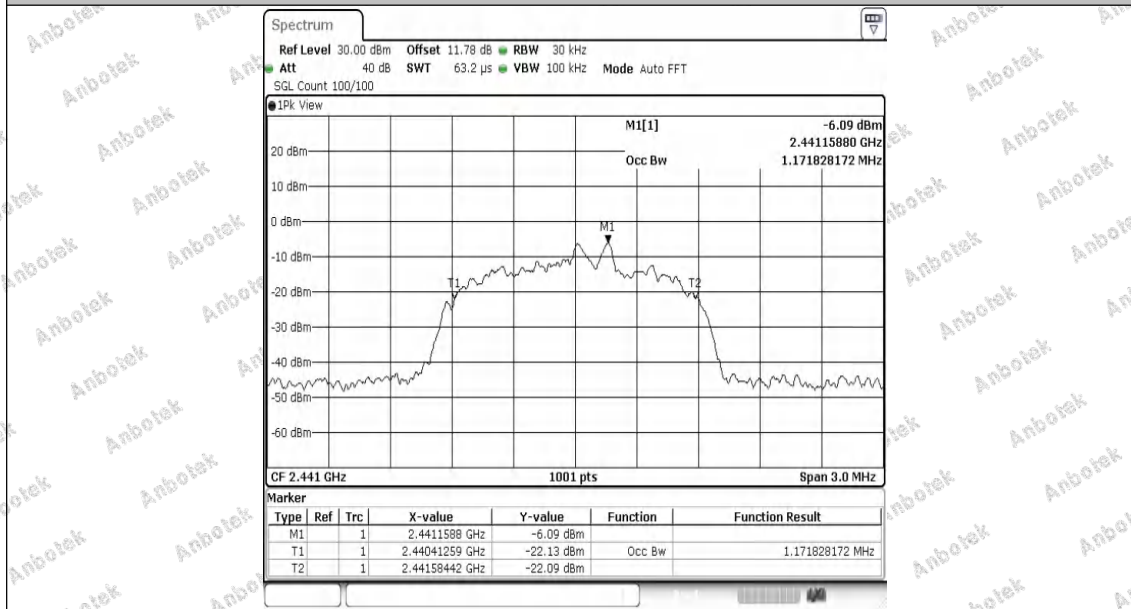


2DH5-Ant1-2480



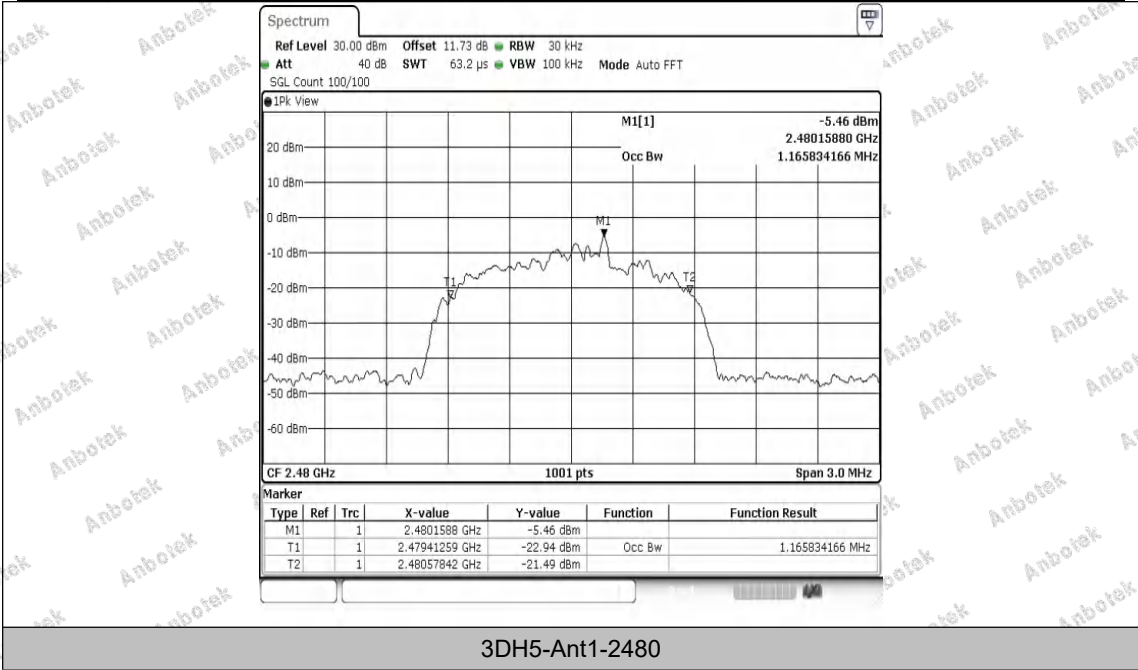


3DH5-Ant1-2402



3DH5-Ant1-2441





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Appendix C: Maximum conducted output power

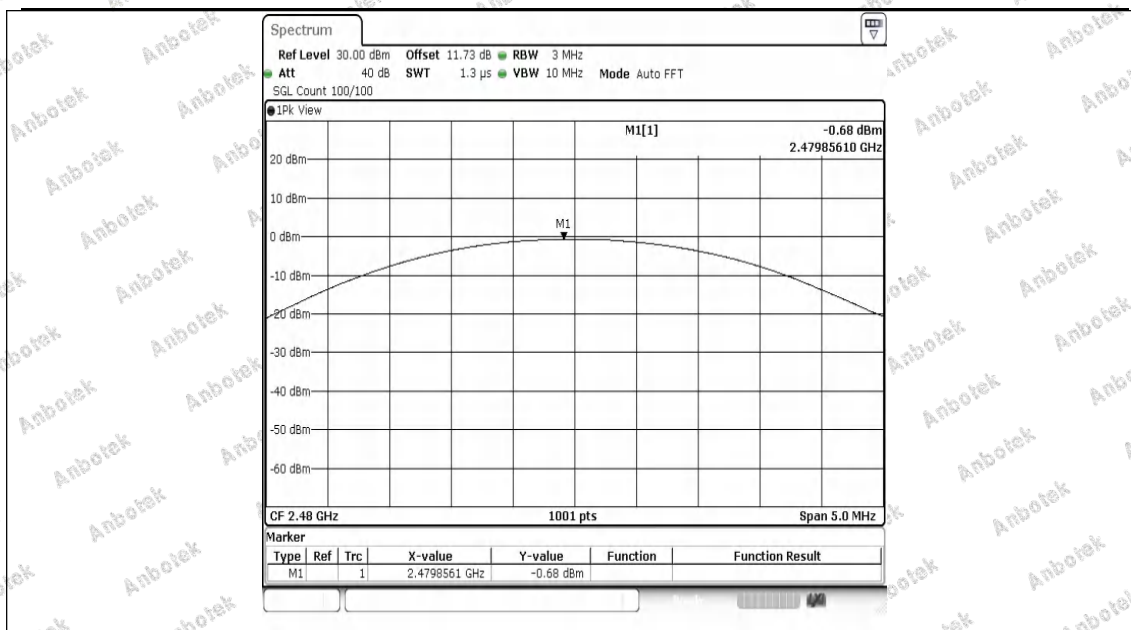
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.29	≤20.97	PASS
DH5	Ant1	2441	-0.81	≤20.97	PASS
DH5	Ant1	2480	-0.68	≤20.97	PASS
2DH5	Ant1	2402	-1.29	≤20.97	PASS
2DH5	Ant1	2441	-1.72	≤20.97	PASS
2DH5	Ant1	2480	-1.51	≤20.97	PASS
3DH5	Ant1	2402	-1.58	≤20.97	PASS
3DH5	Ant1	2441	-1.80	≤20.97	PASS
3DH5	Ant1	2480	-1.67	≤20.97	PASS

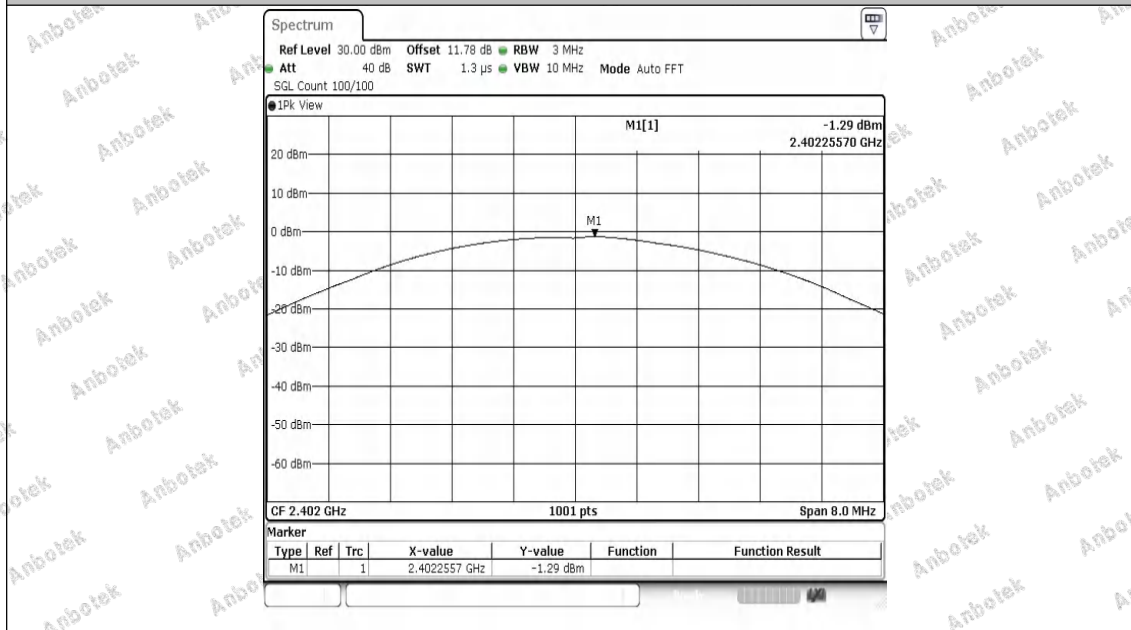


Test Graphs



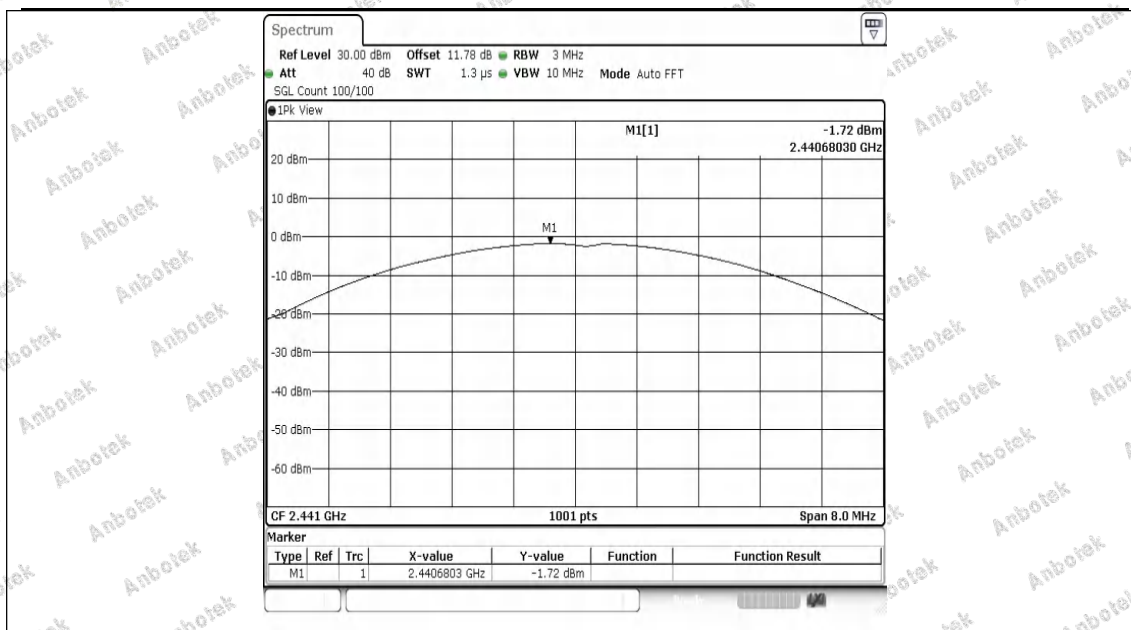


DH5-Ant1-2480-PASS

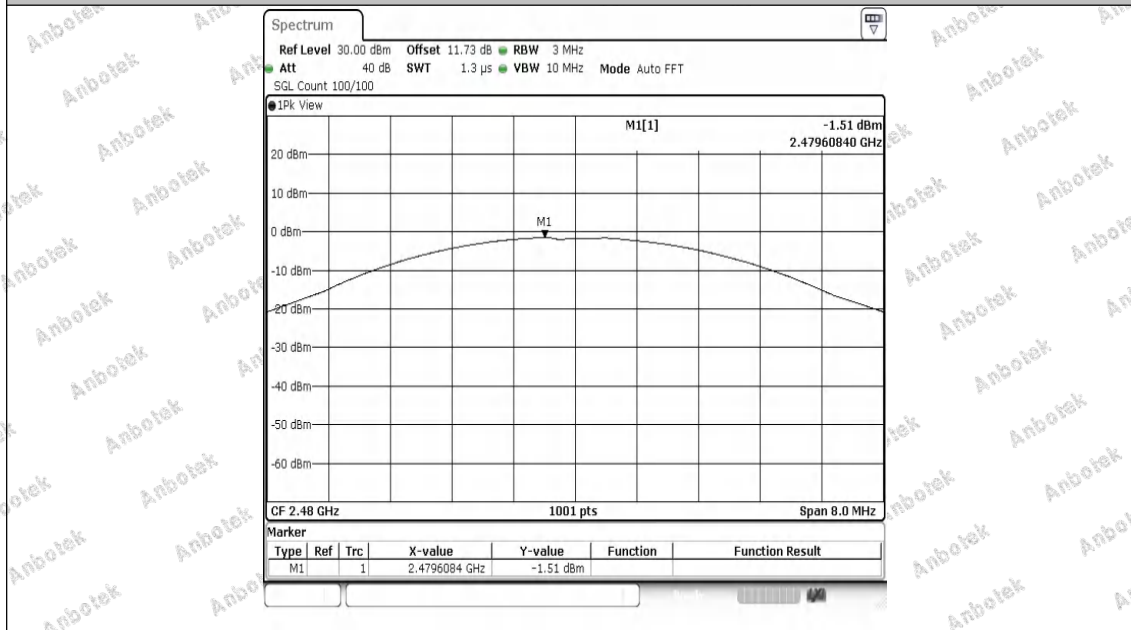


2DH5-Ant1-2402-PASS



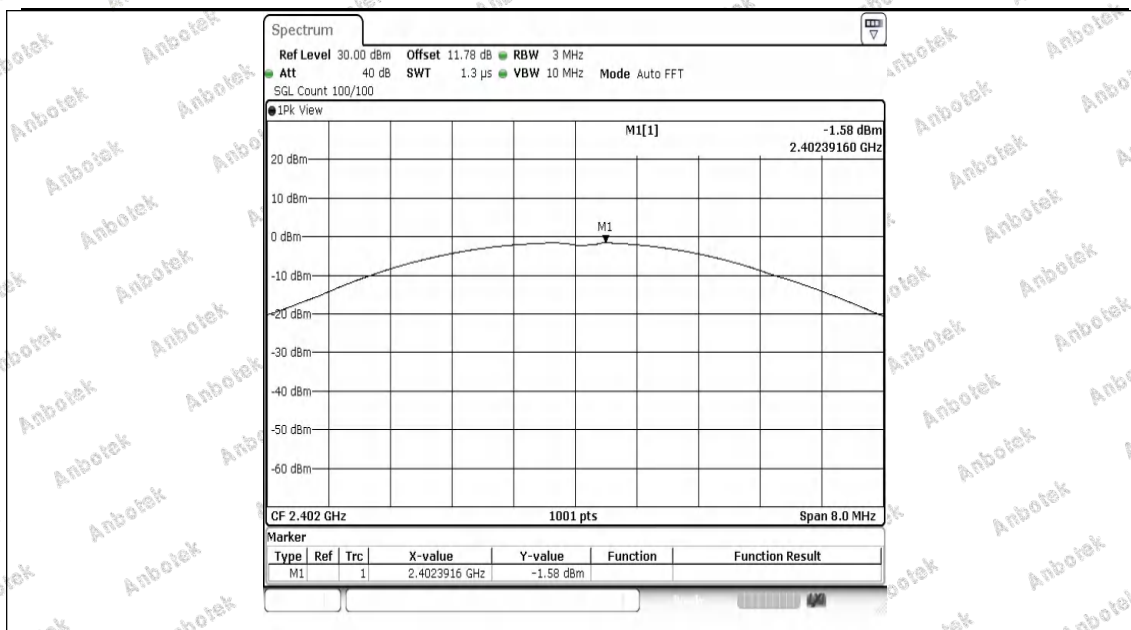


2DH5-Ant1-2441-PASS

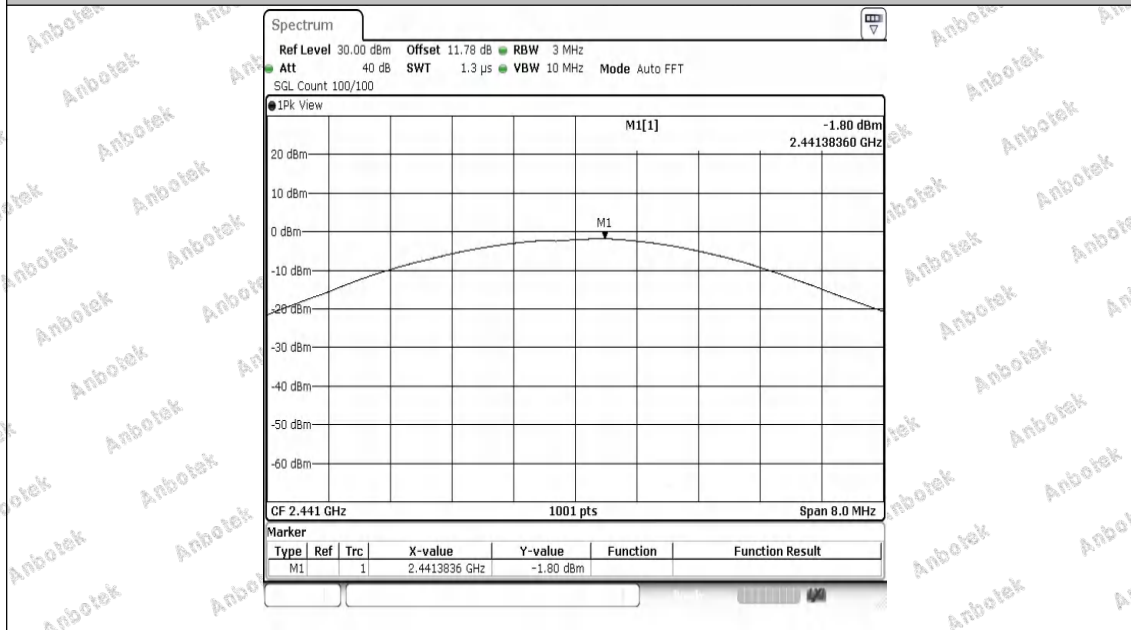


2DH5-Ant1-2480-PASS



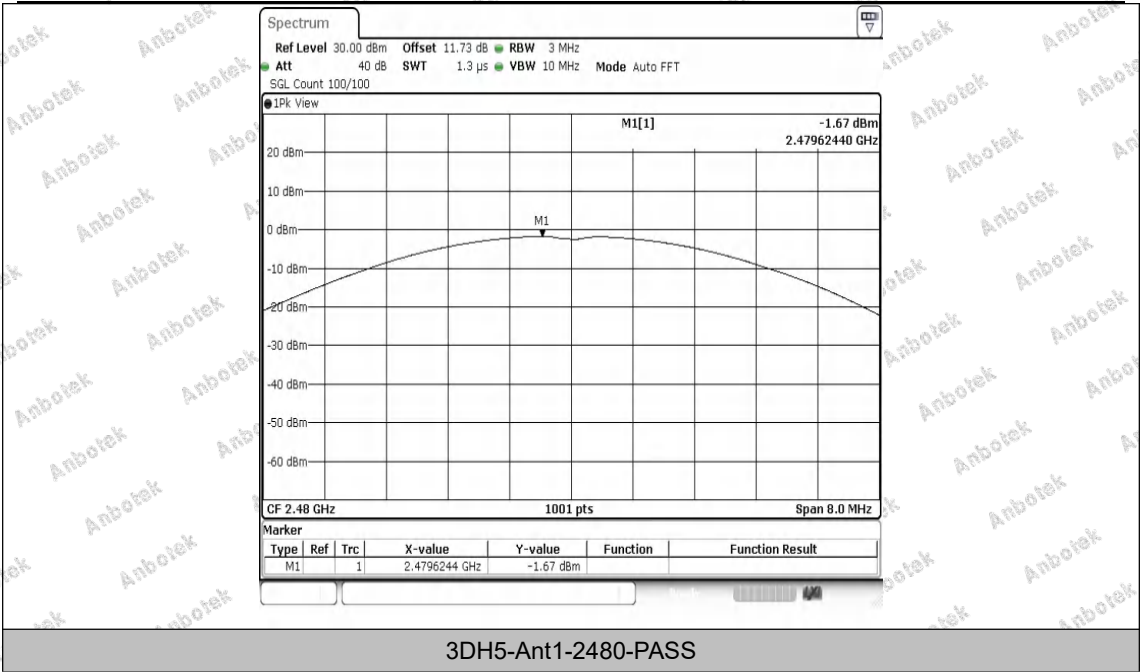


3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS





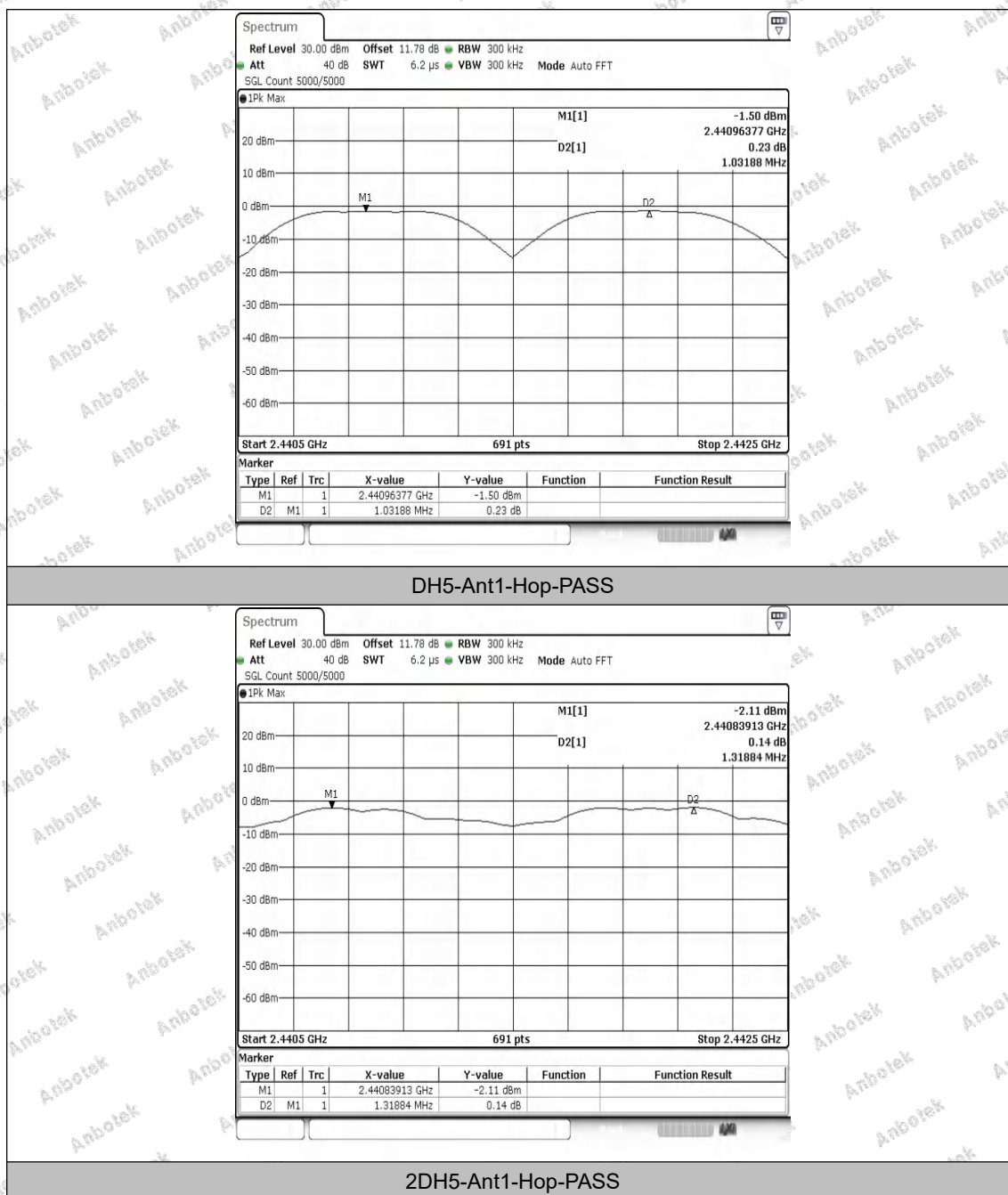
Appendix D: Carrier frequency separation

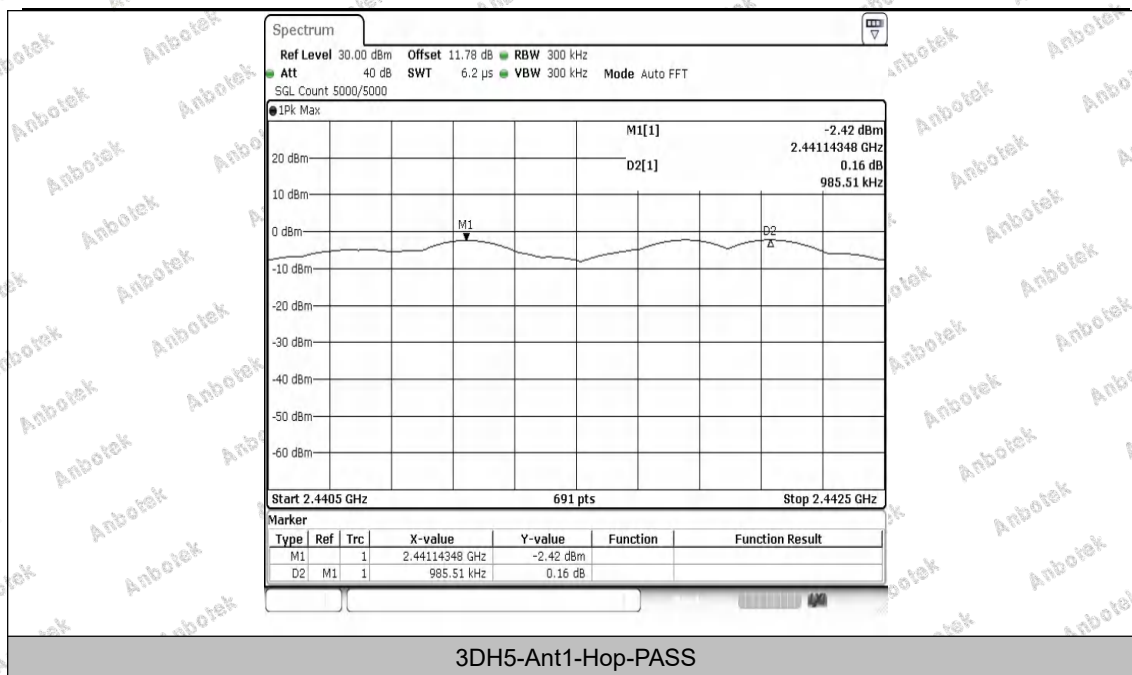
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.032	≥0.580	PASS
2DH5	Ant1	Hop	1.319	≥0.867	PASS
3DH5	Ant1	Hop	0.986	≥0.873	PASS



Test Graphs





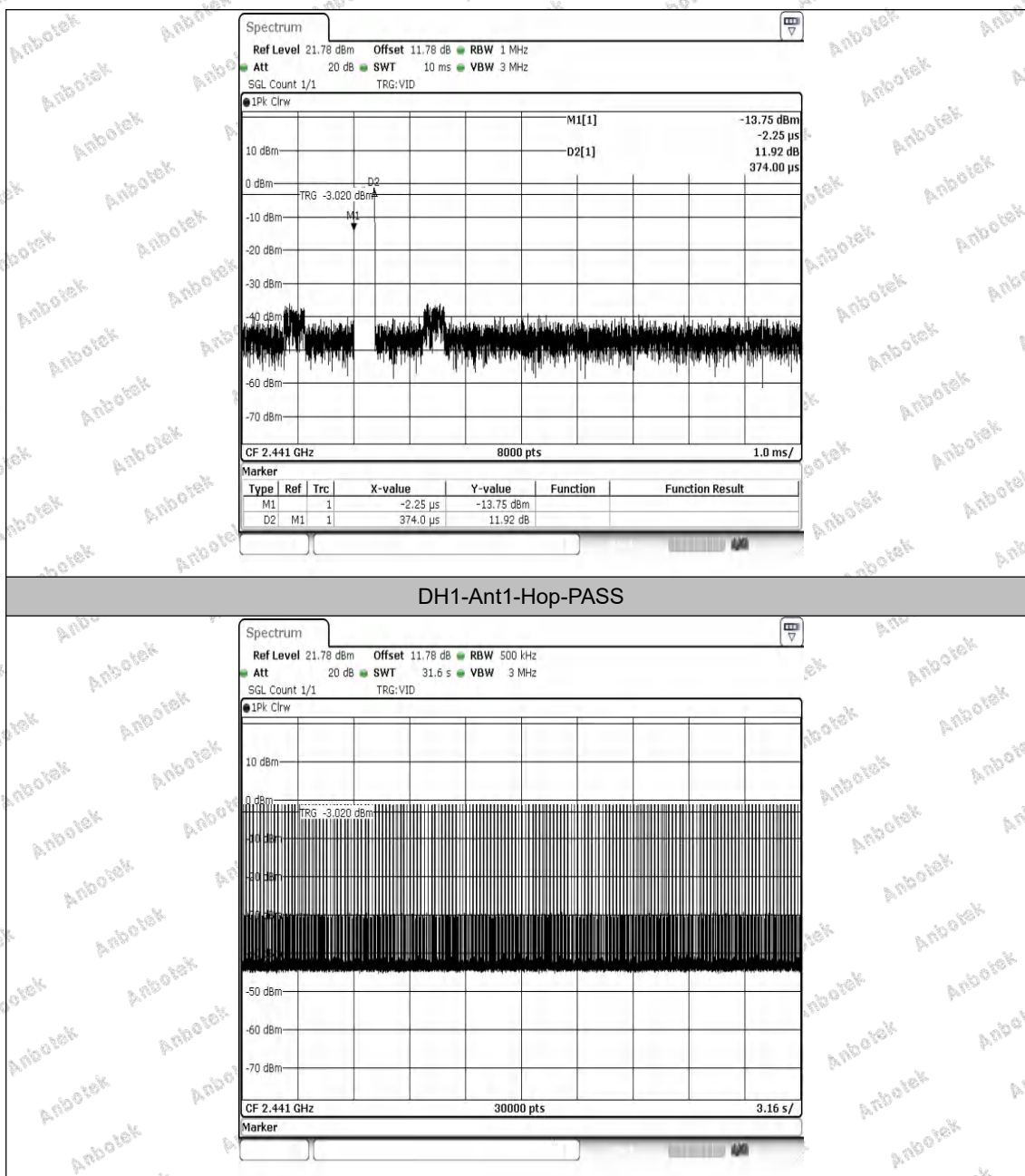
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	314	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.630	158	0.258	≤0.4	PASS
DH5	Ant1	Hop	2.878	107	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.381	314	0.12	≤0.4	PASS
2DH3	Ant1	Hop	1.634	159	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.883	98	0.283	≤0.4	PASS
3DH1	Ant1	Hop	0.383	314	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.633	160	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.884	107	0.309	≤0.4	PASS



Test Graphs



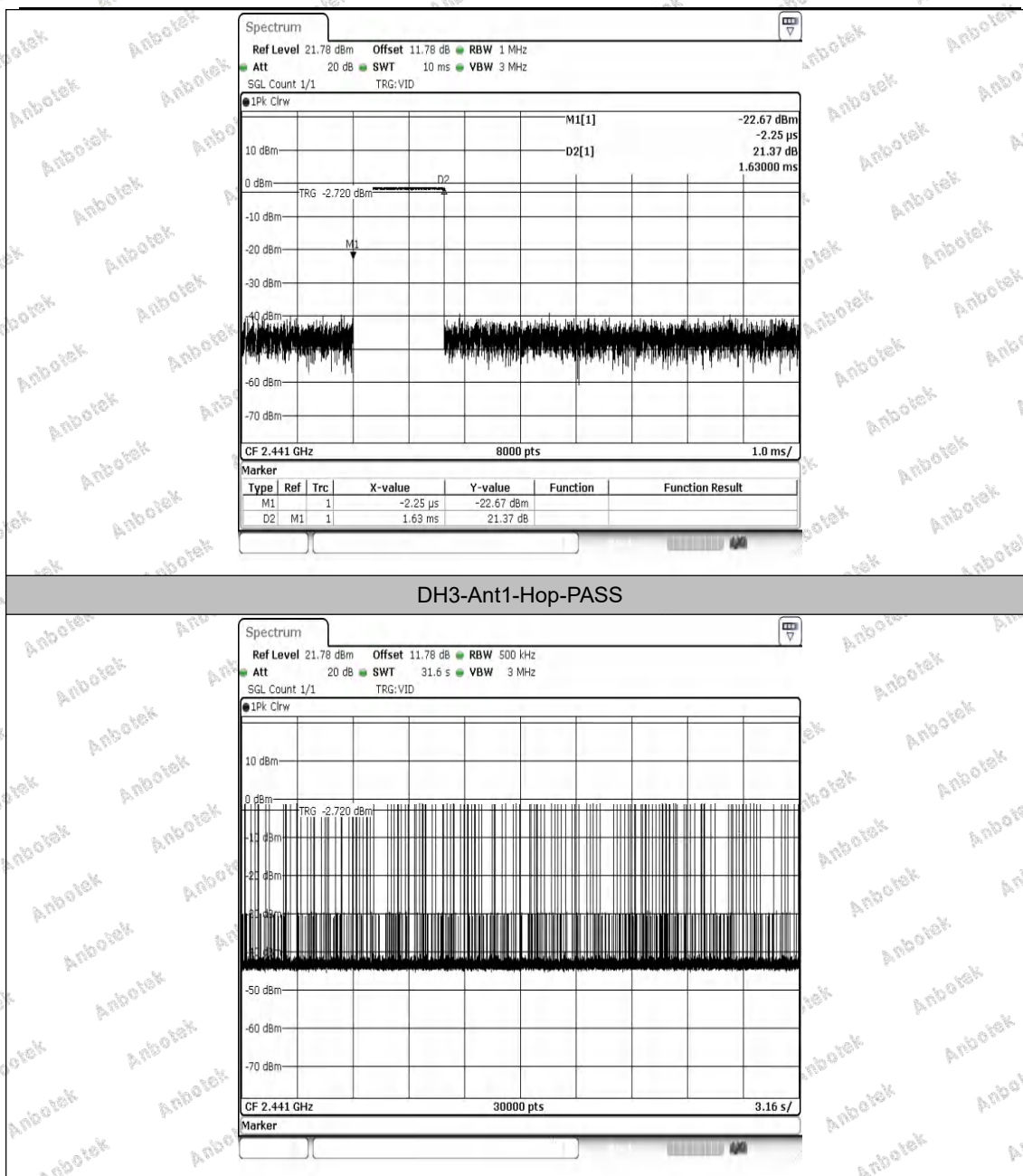
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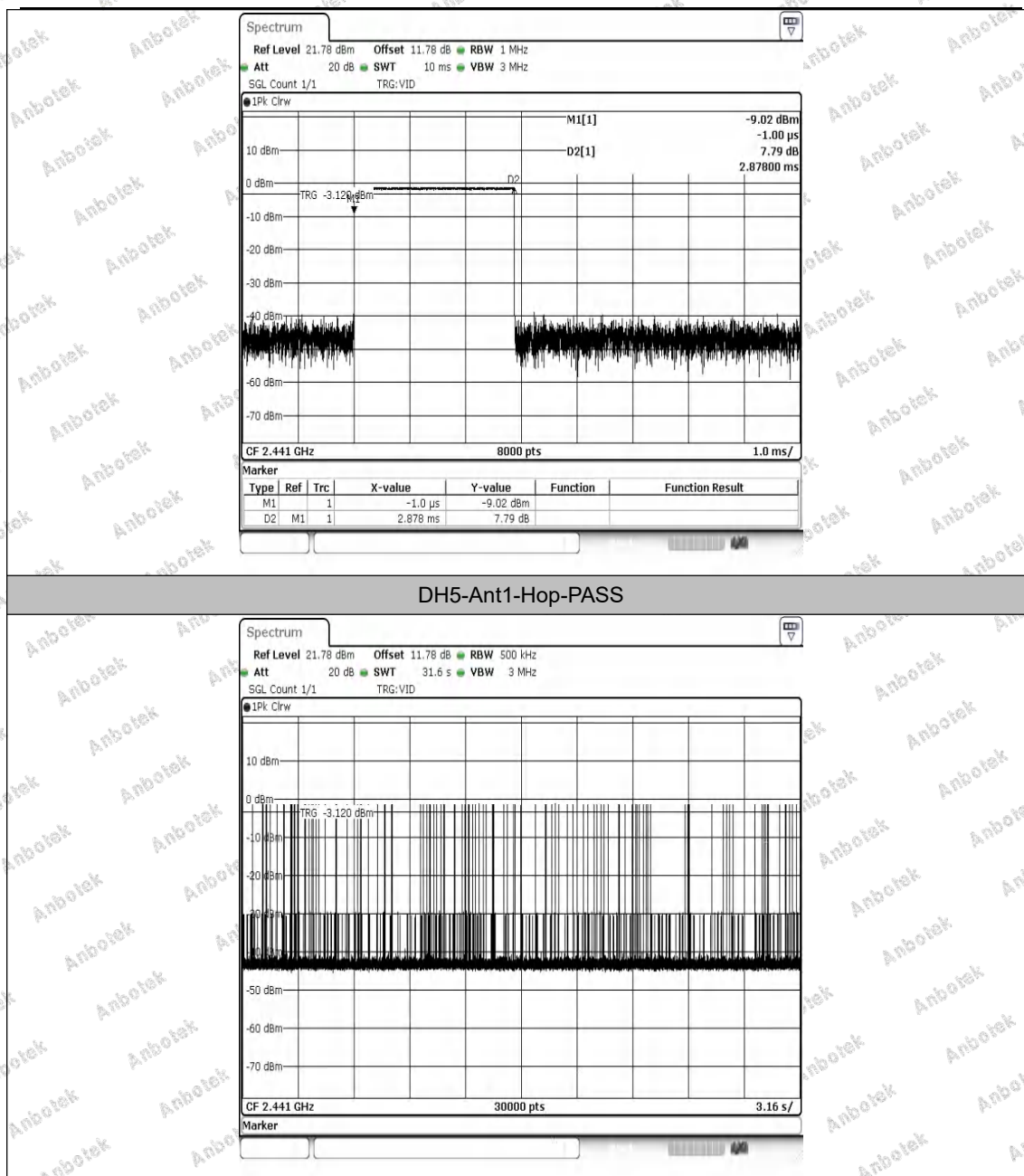
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Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Email: service@anbotek.com

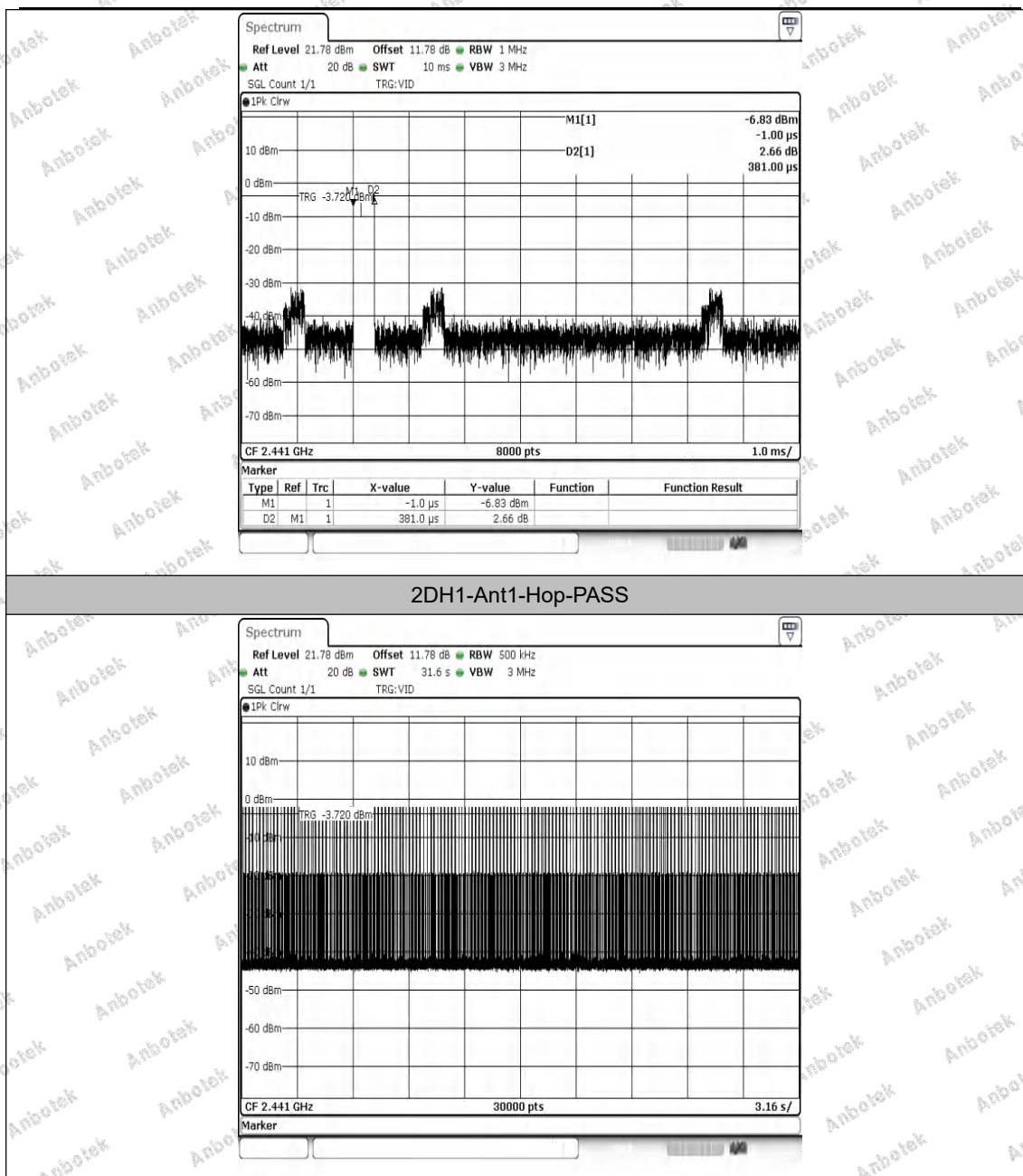


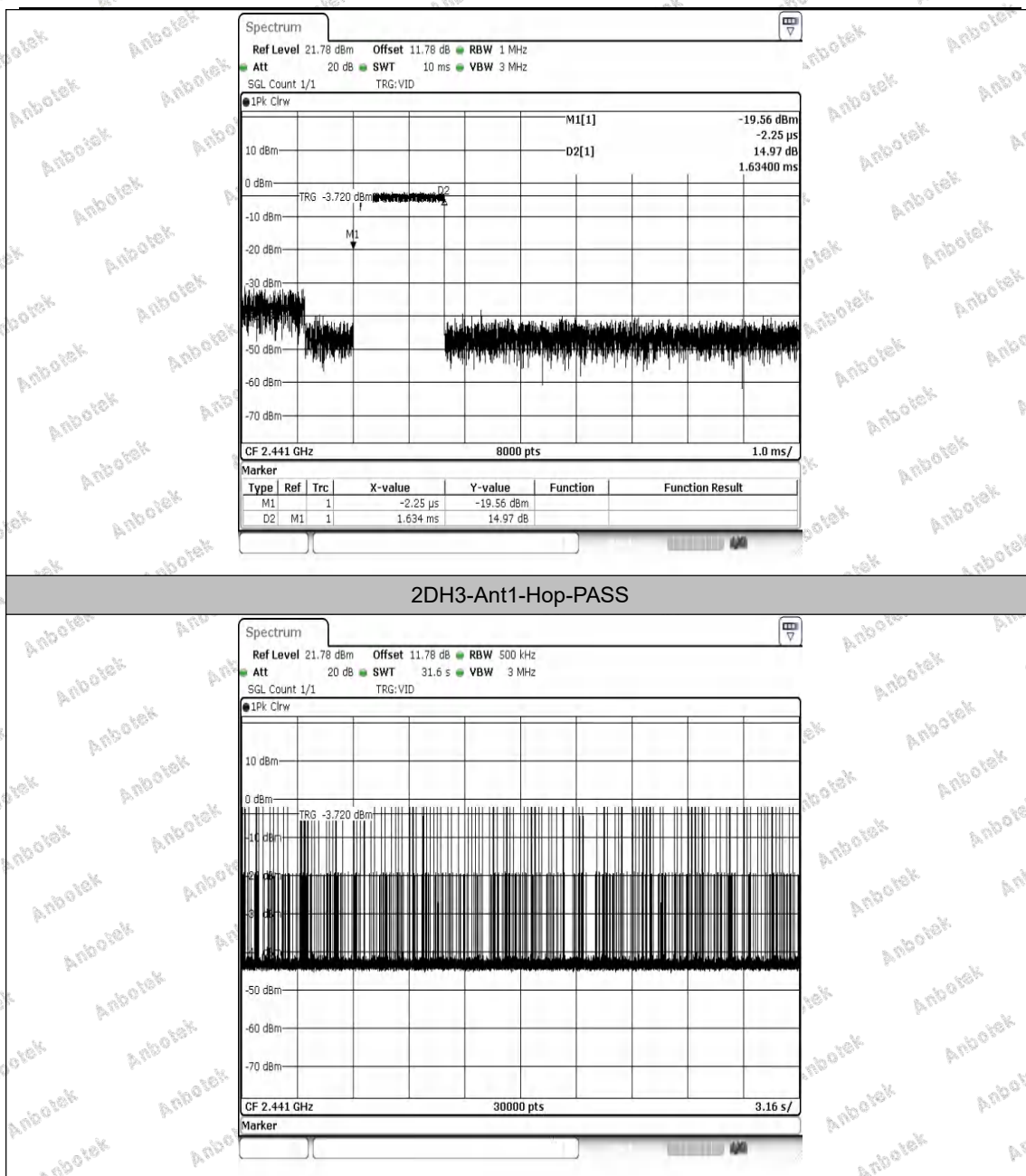
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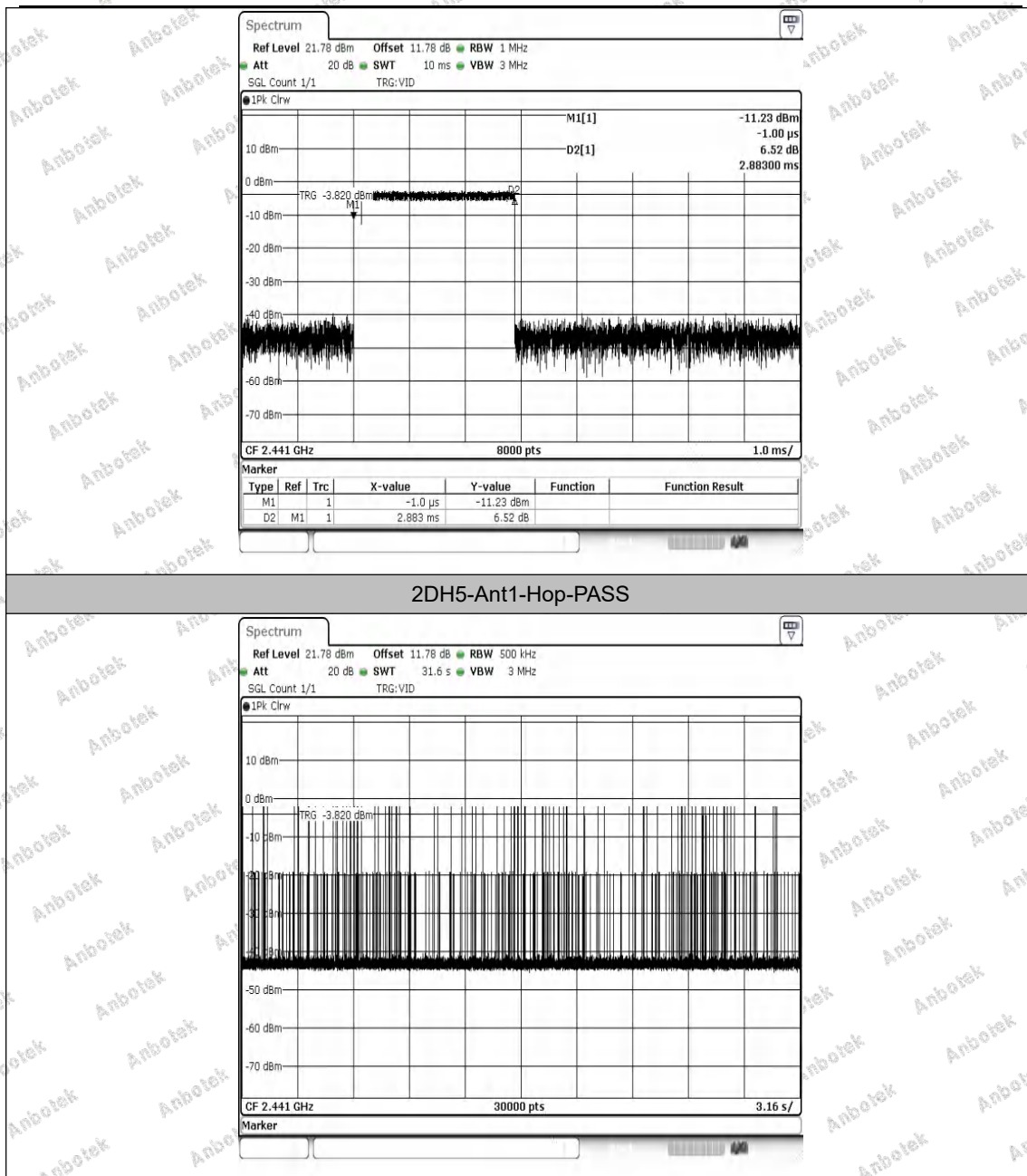


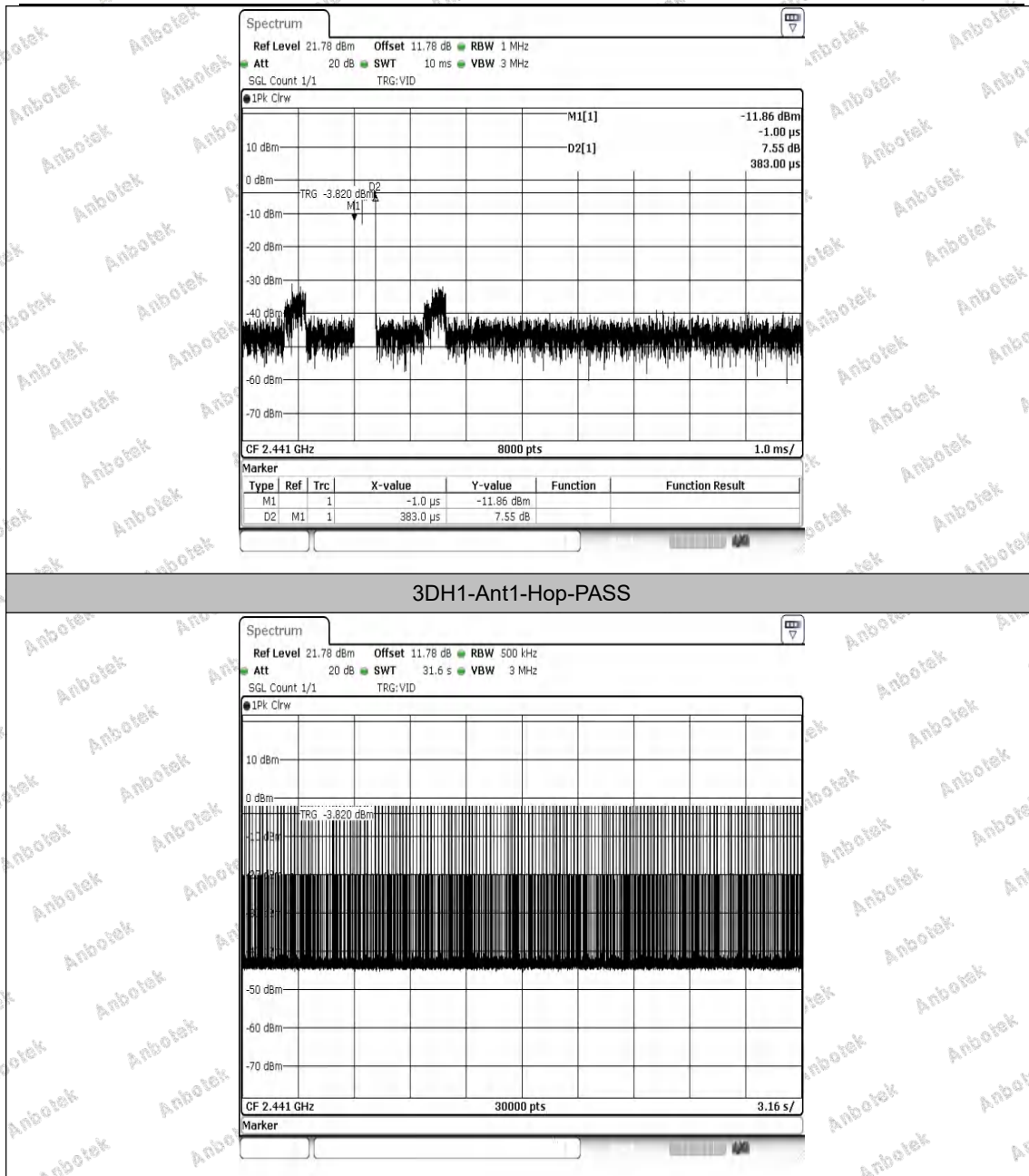


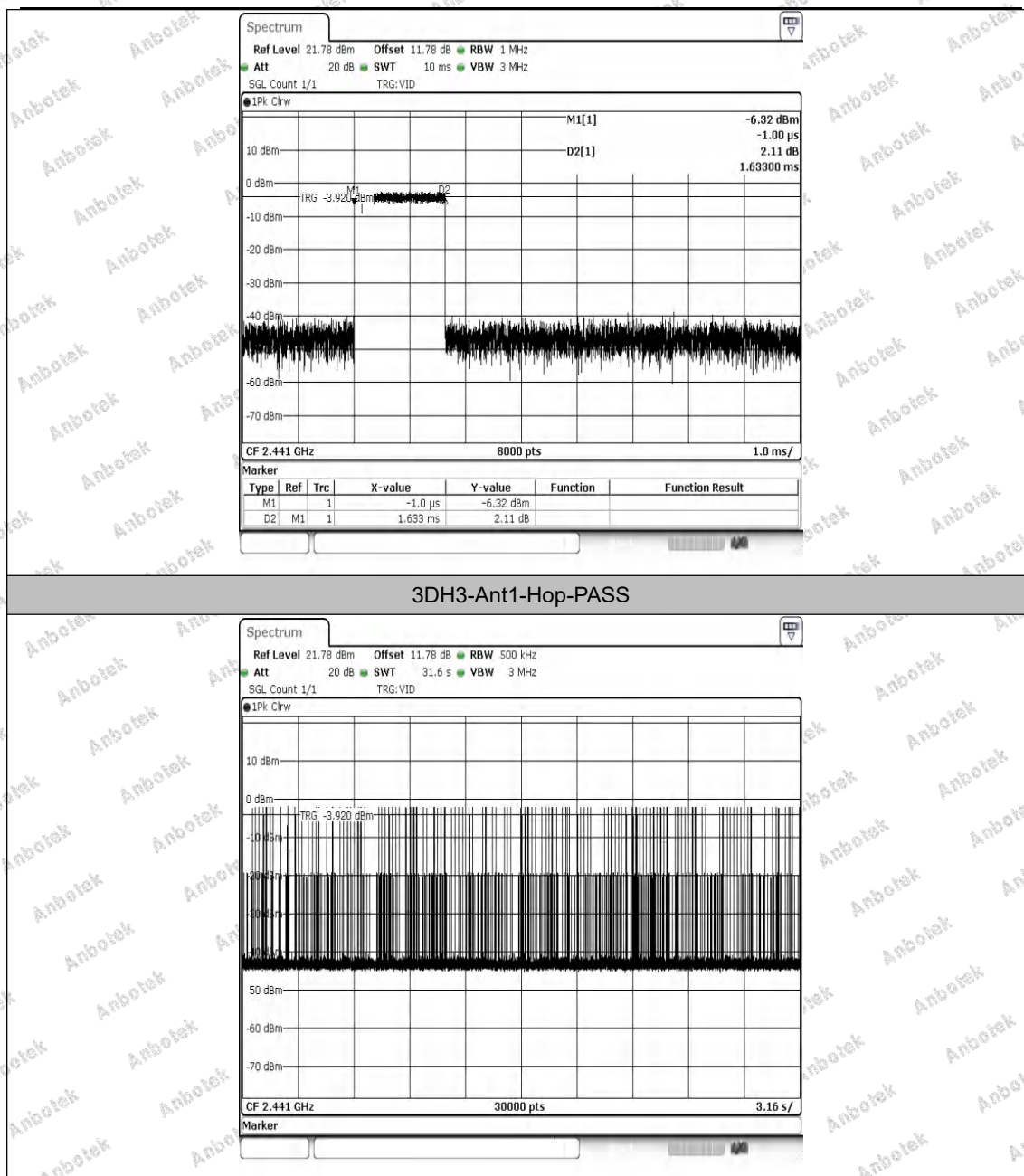


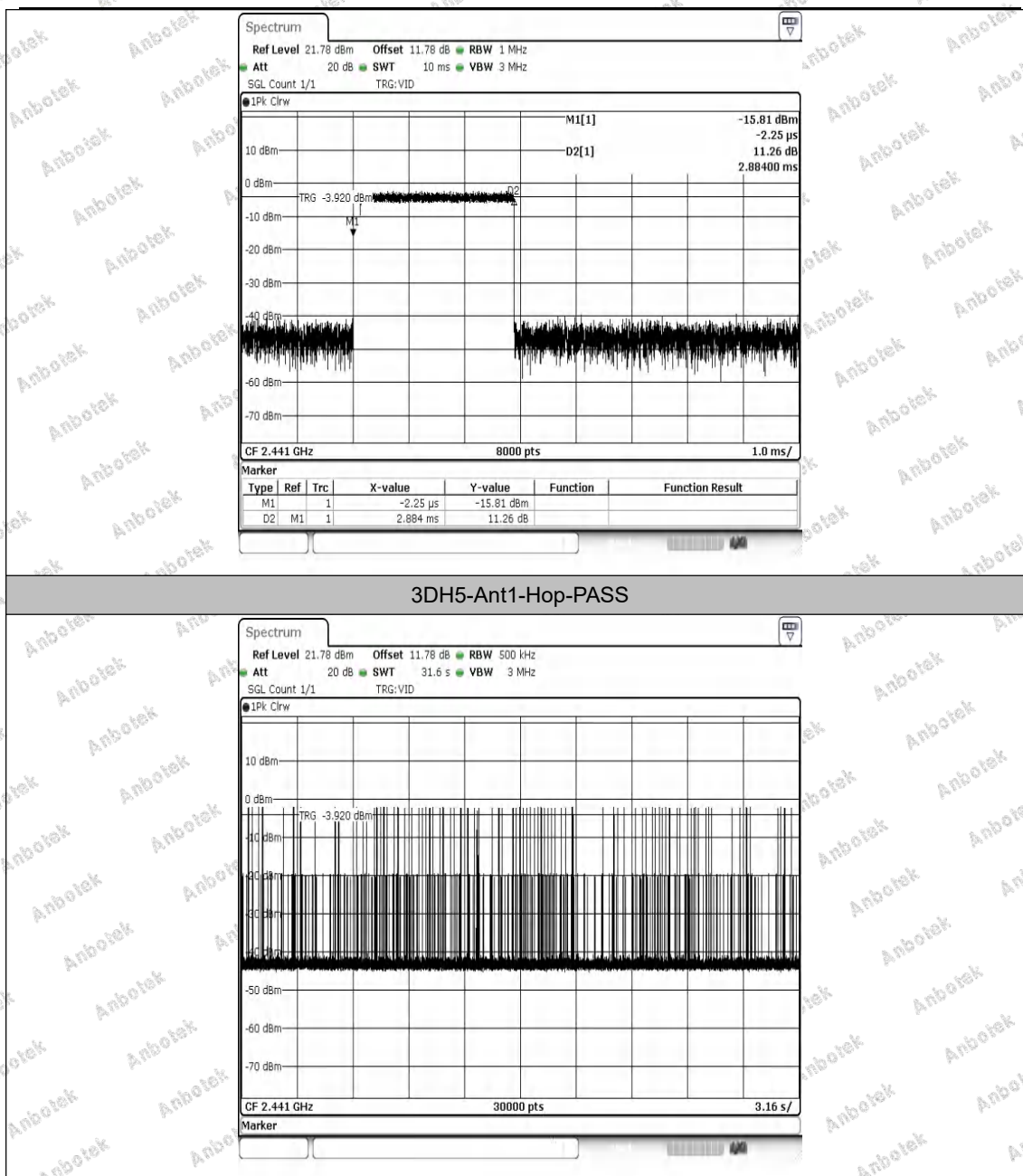












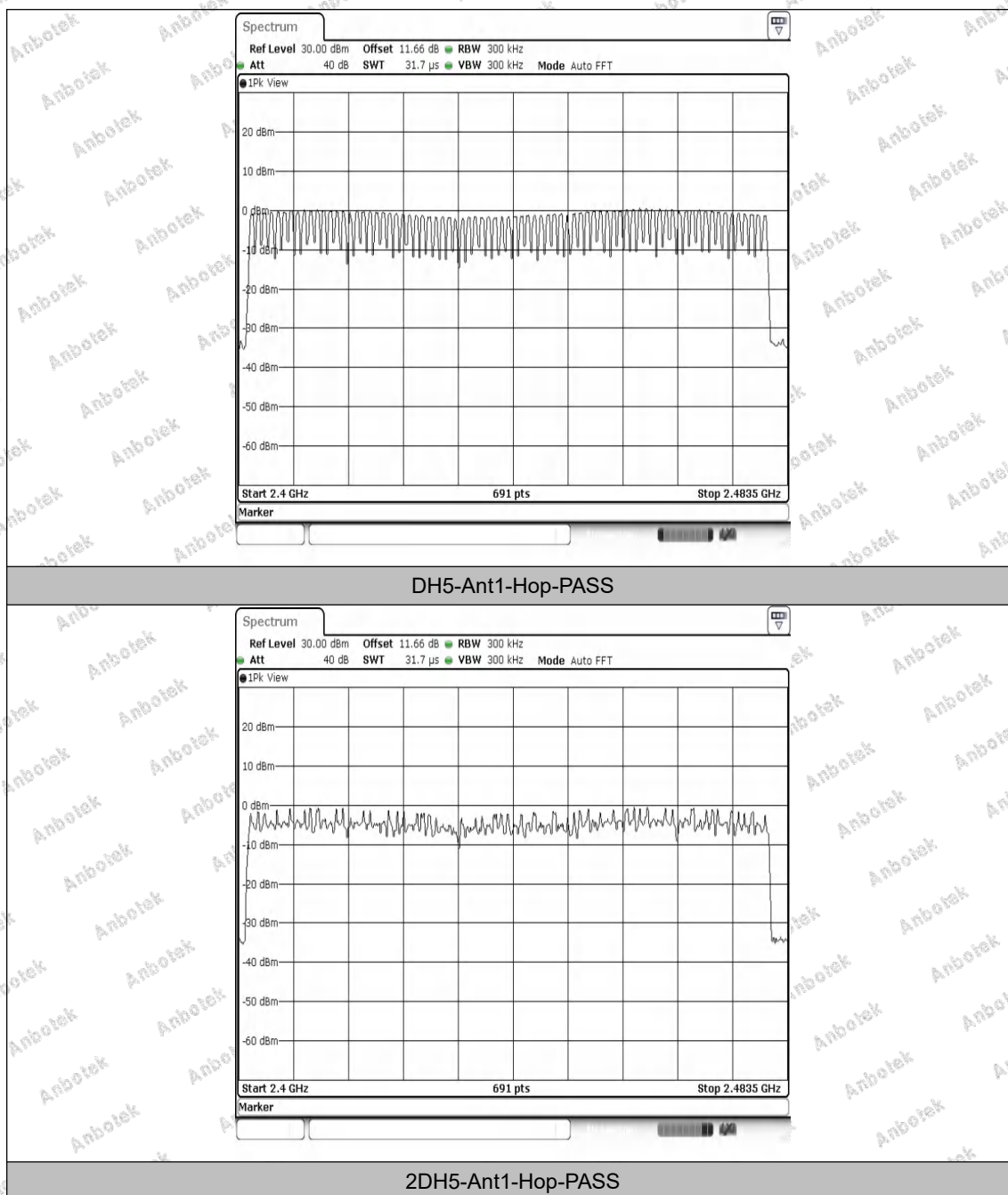
Appendix F: Number of hopping channels

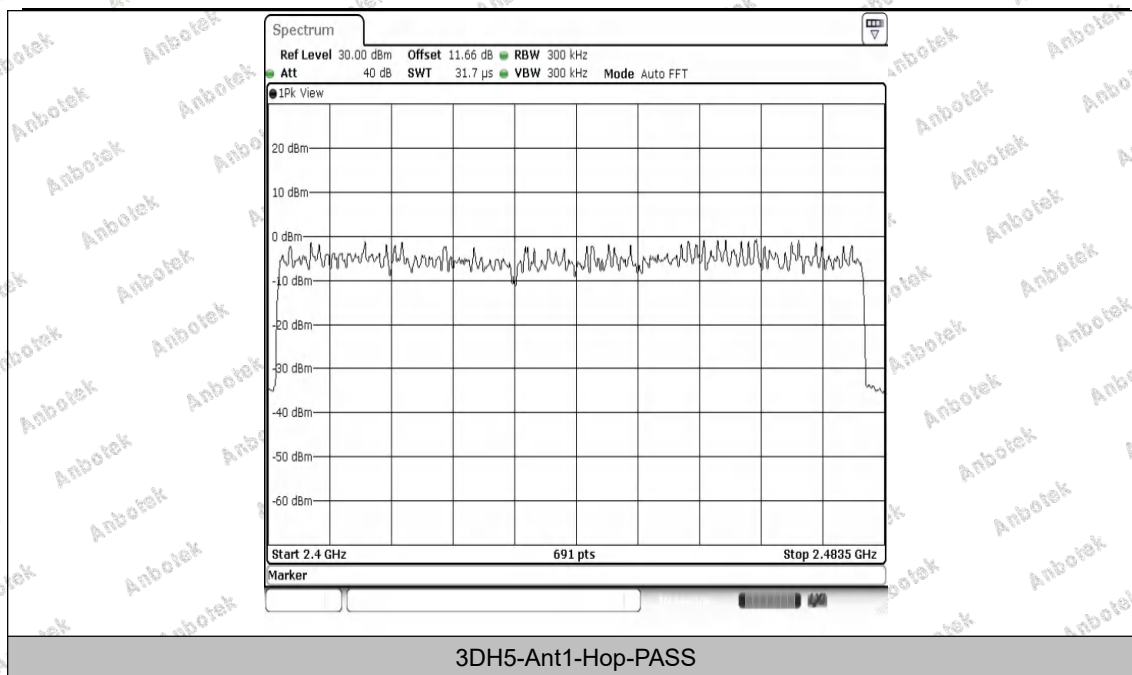
Test Result

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





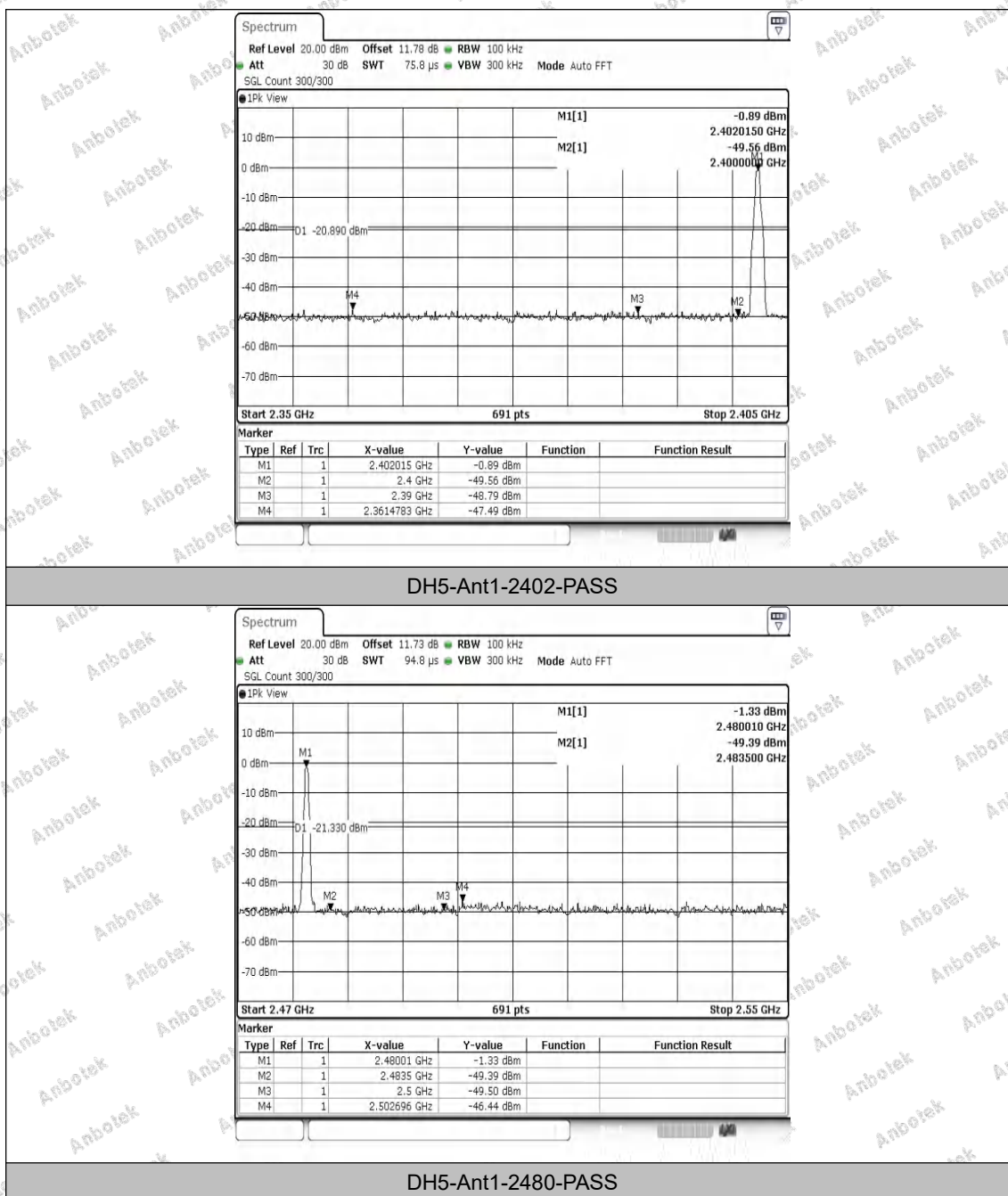
Appendix G: Band edge measurements

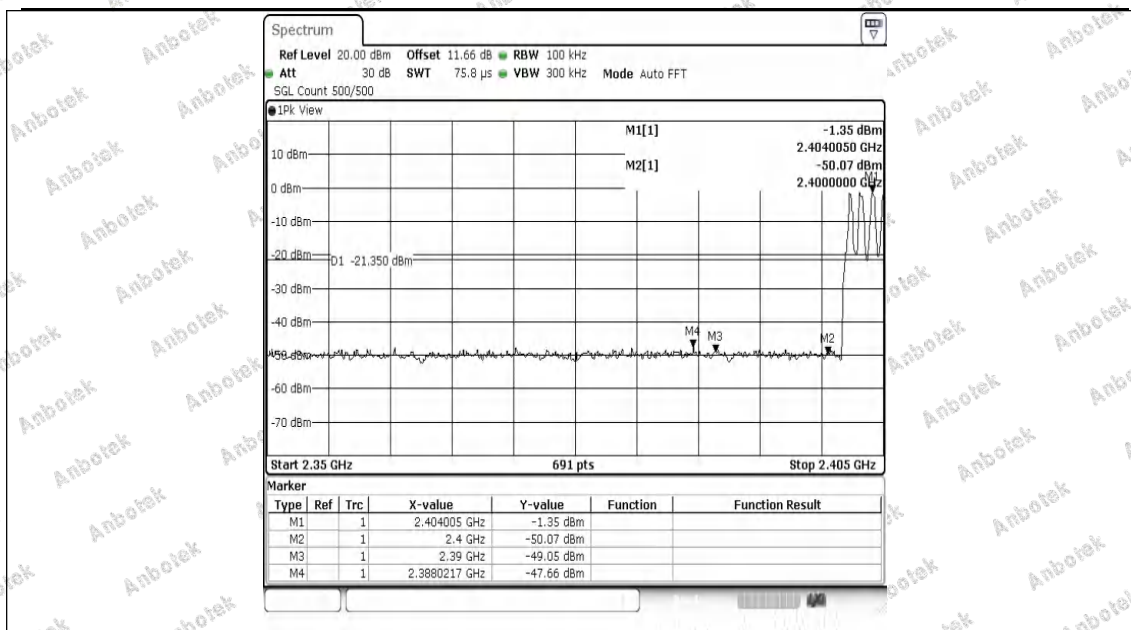
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.89	-47.49	≤-20.89	PASS
DH5	Ant1	High	2480	-1.33	-46.44	≤-21.33	PASS
DH5	Ant1	Low	Hop_2402	-1.35	-47.66	≤-21.35	PASS
DH5	Ant1	High	Hop_2480	-1.00	-45.67	≤-21	PASS
2DH5	Ant1	Low	2402	-1.47	-47.41	≤-21.47	PASS
2DH5	Ant1	High	2480	-1.76	-44.4	≤-21.76	PASS
2DH5	Ant1	Low	Hop_2402	-5.41	-46.64	≤-25.41	PASS
2DH5	Ant1	High	Hop_2480	-4.93	-45.44	≤-24.93	PASS
3DH5	Ant1	Low	2402	-2.38	-46.48	≤-22.38	PASS
3DH5	Ant1	High	2480	-2.45	-45.83	≤-22.45	PASS
3DH5	Ant1	Low	Hop_2402	-4.04	-47.13	≤-24.04	PASS
3DH5	Ant1	High	Hop_2480	-3.27	-45.75	≤-23.27	PASS

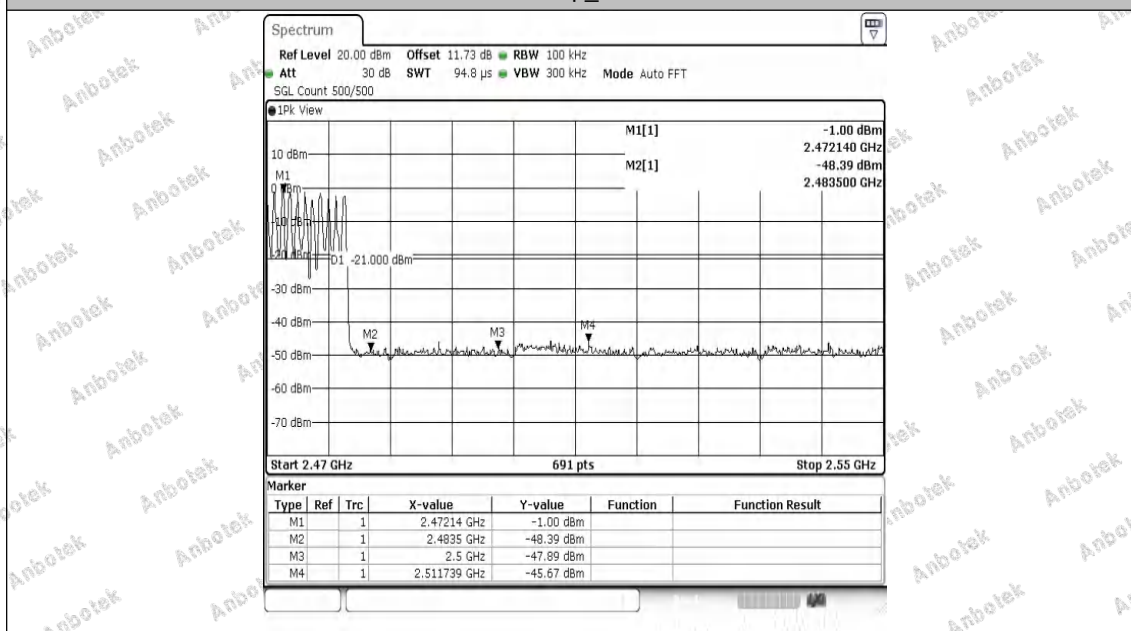


Test Graphs



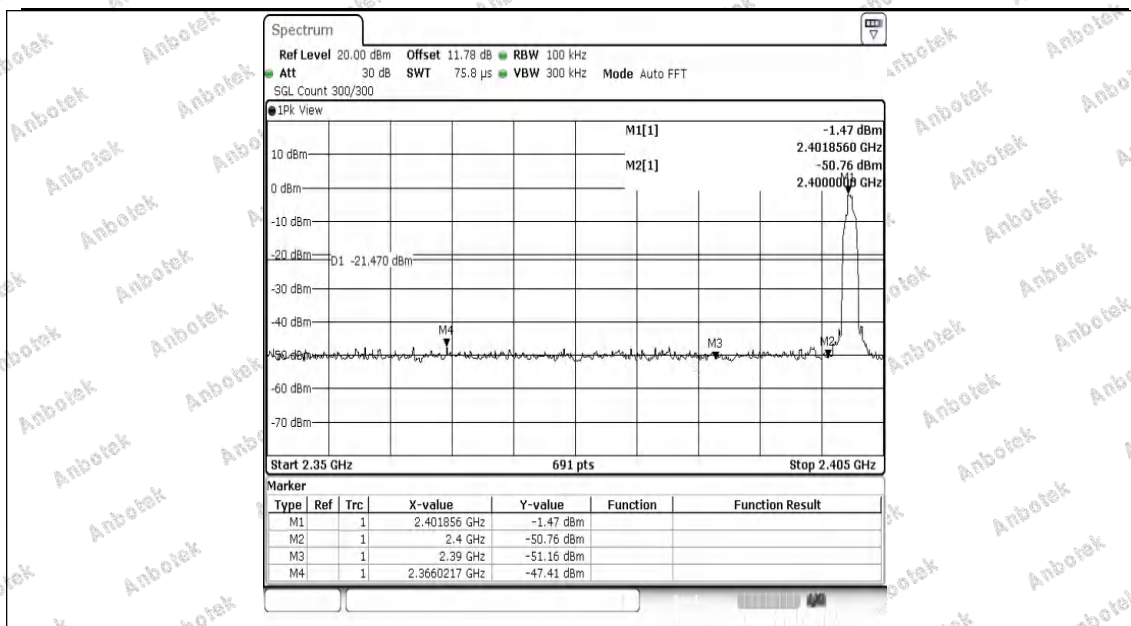


DH5-Ant1-Hop_2402-PASS

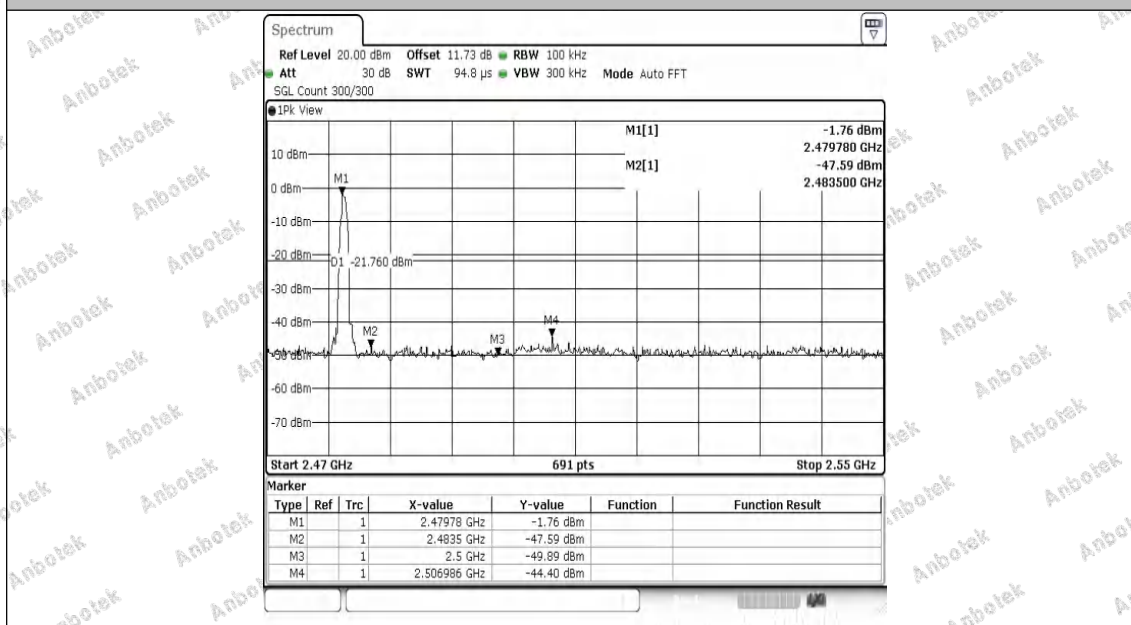


DH5-Ant1-Hop_2480-PASS



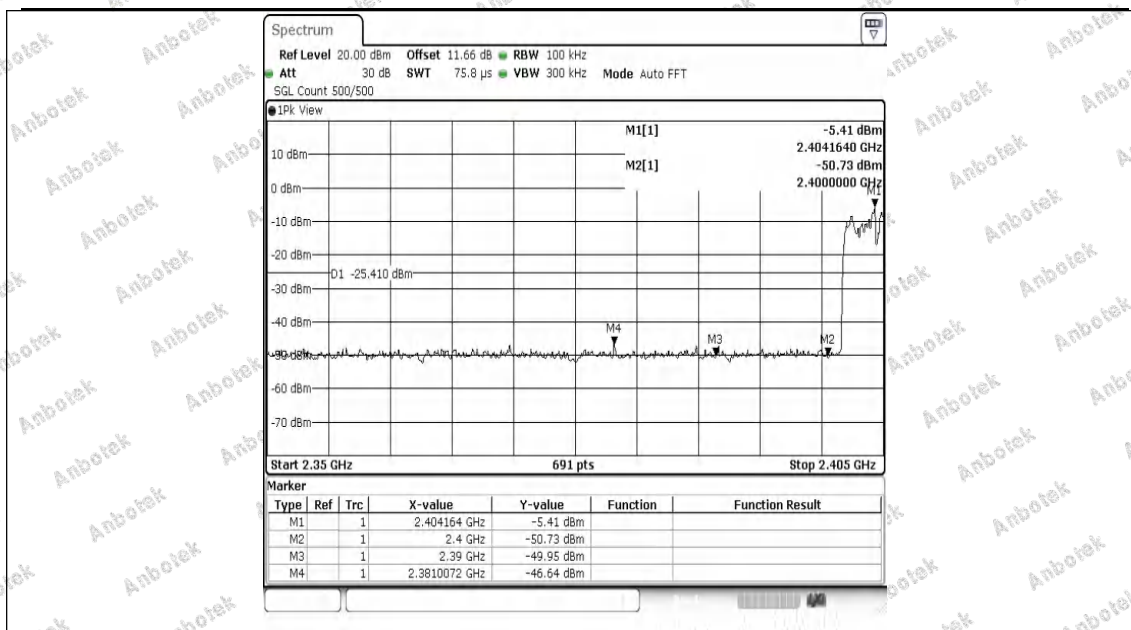


2DH5-Ant1-2402-PASS

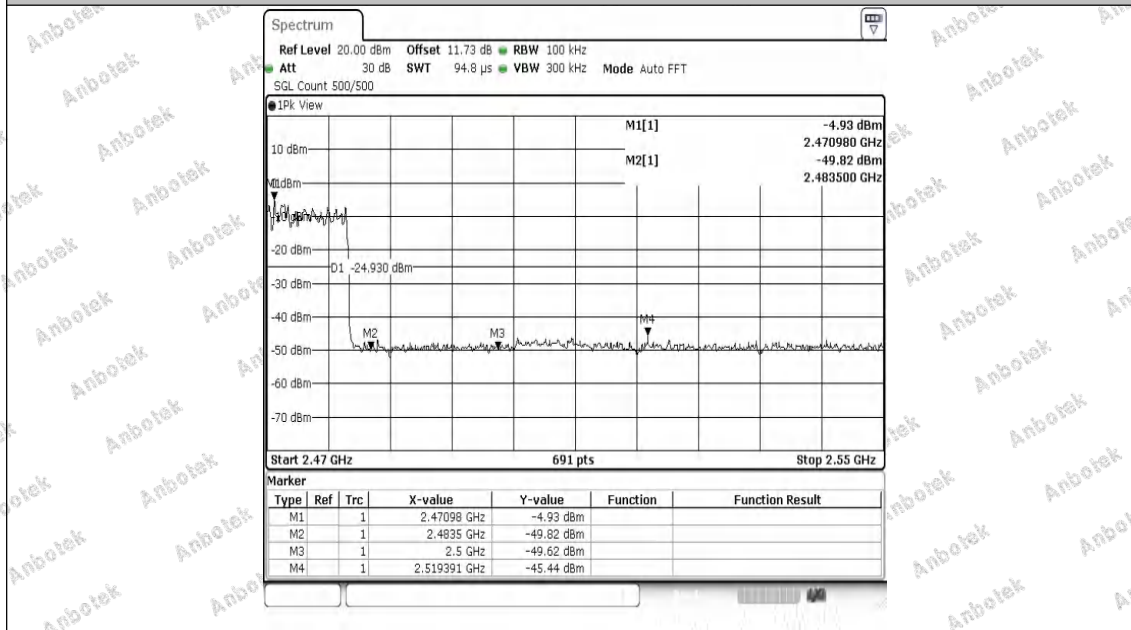


2DH5-Ant1-2480-PASS



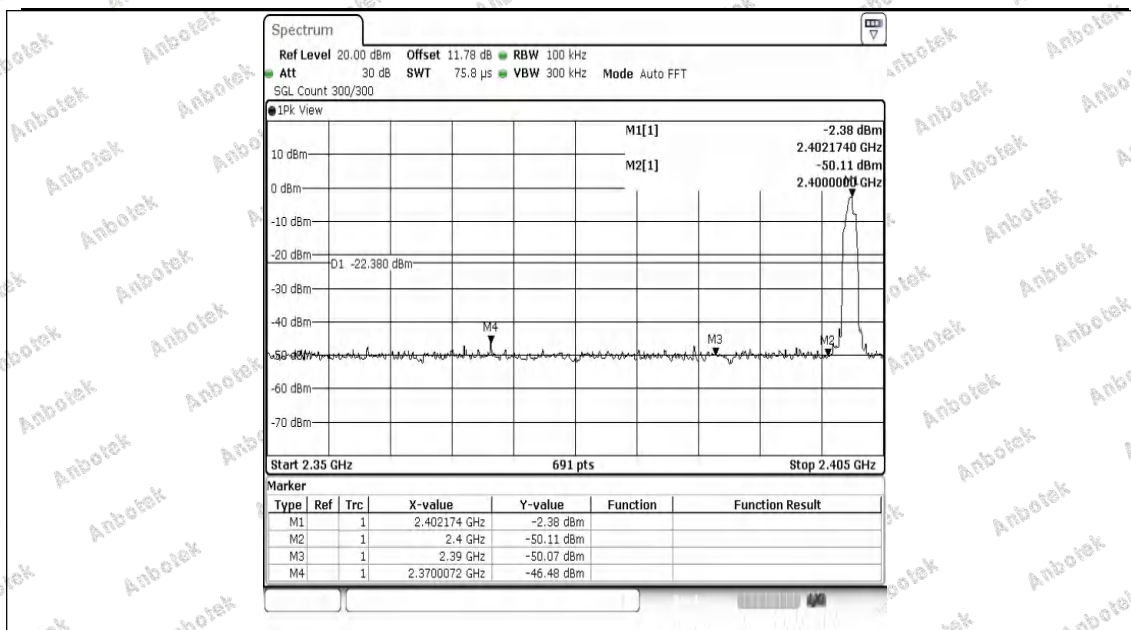


2DH5-Ant1-Hop_2402-PASS

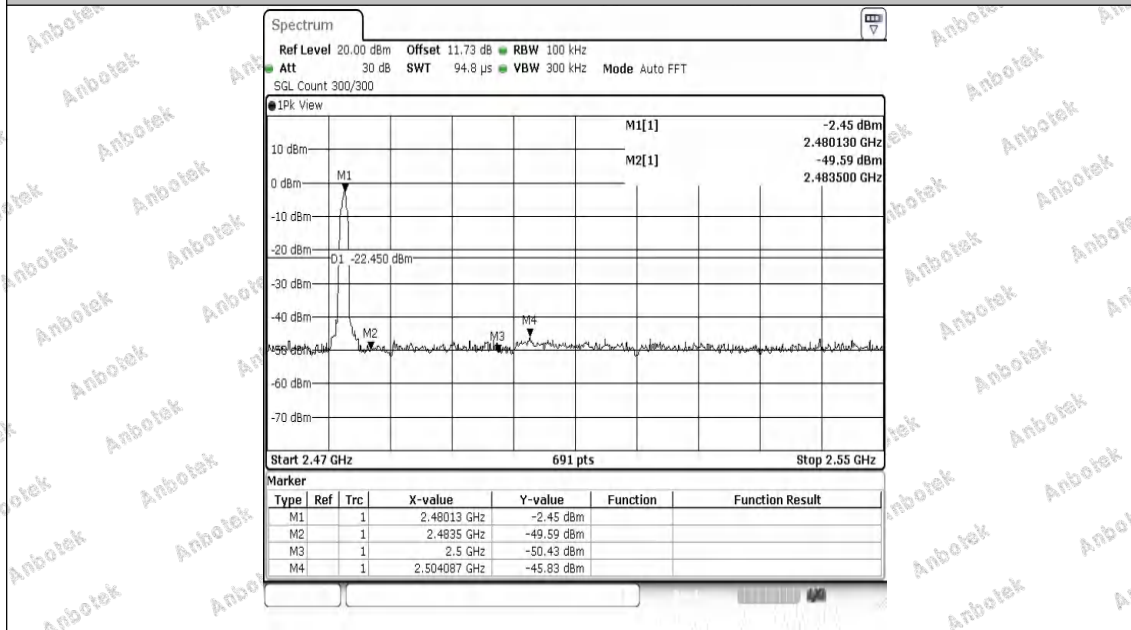


2DH5-Ant1-Hop_2480-PASS



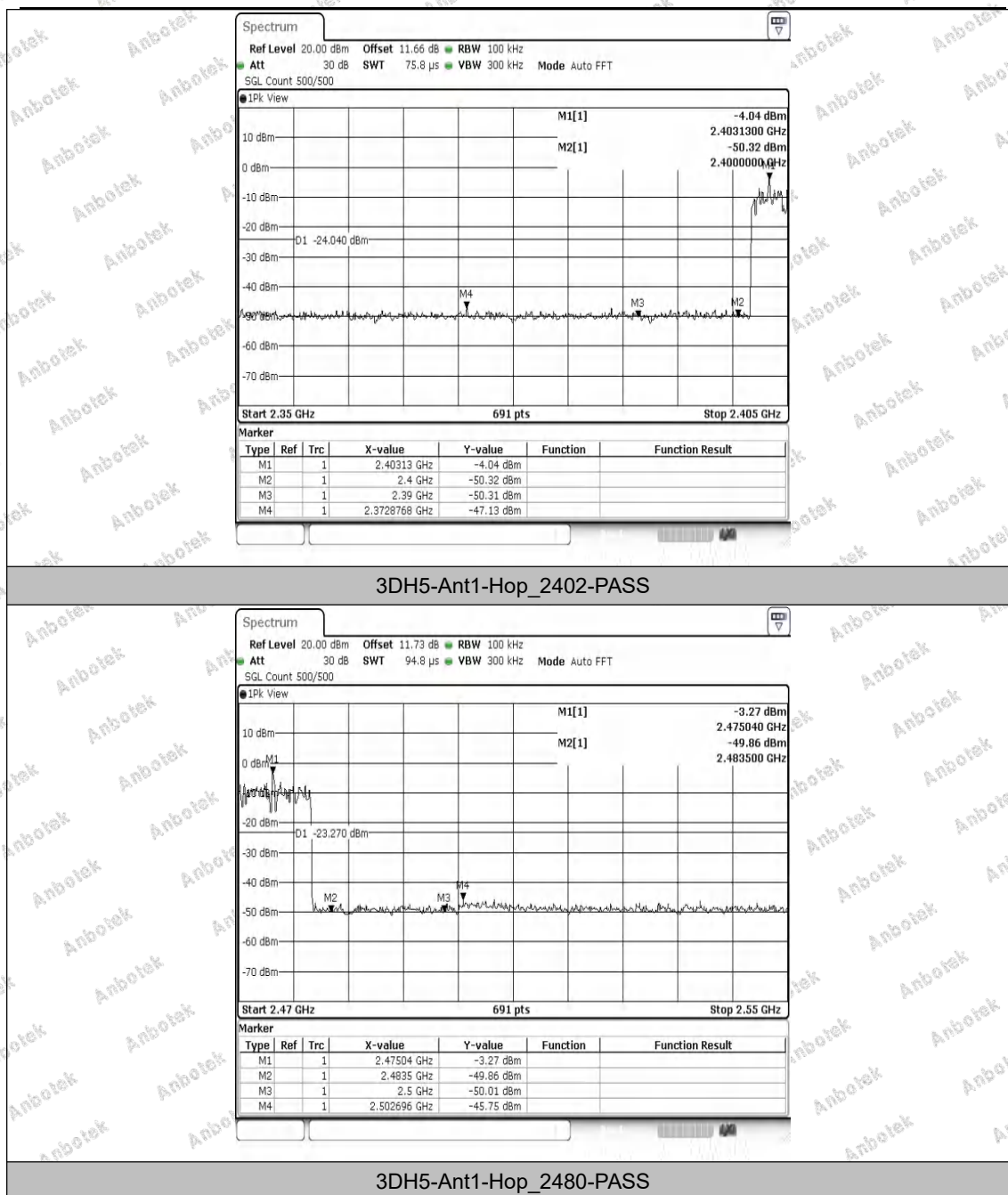


3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS





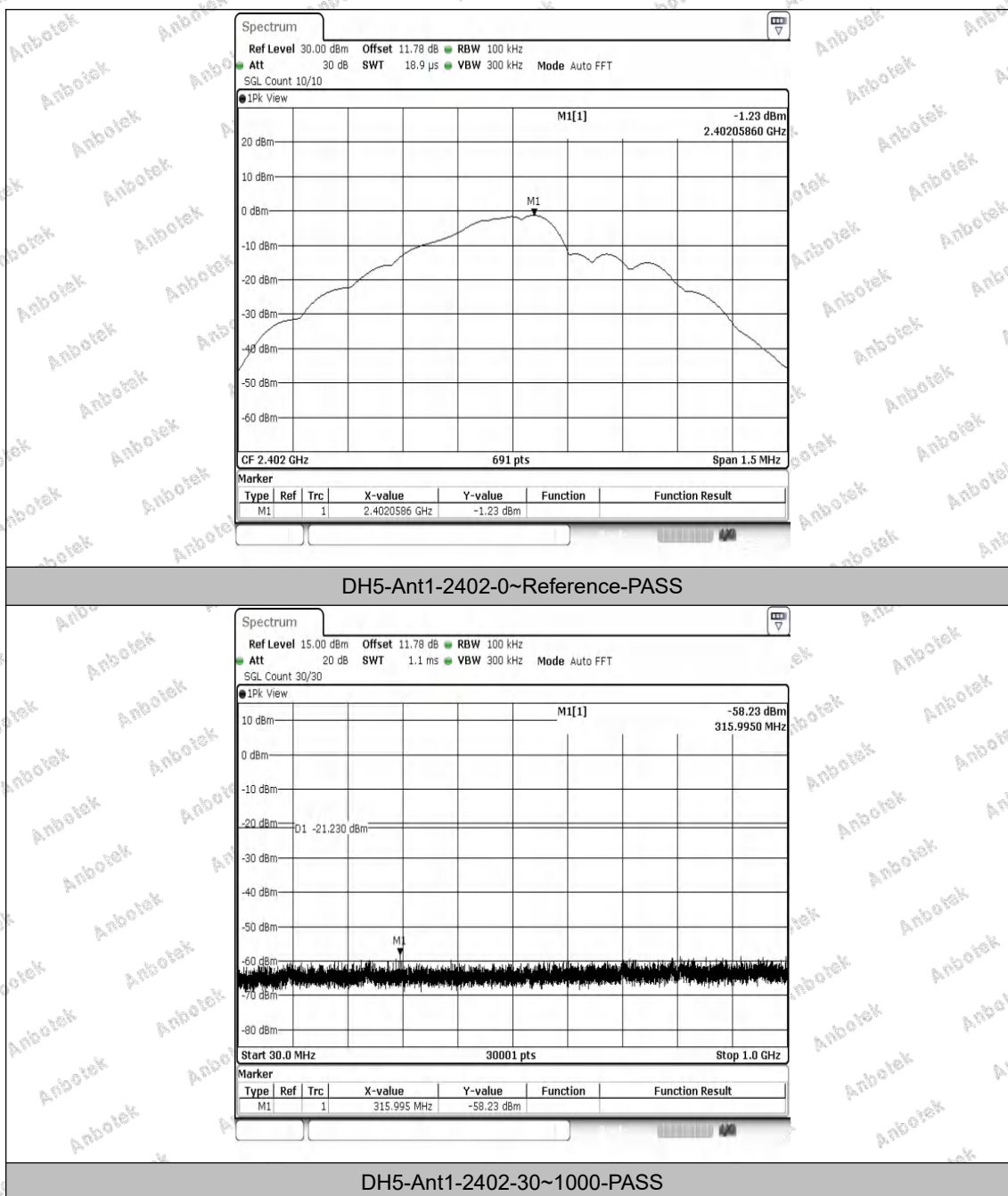
Appendix H: Conducted Spurious Emission

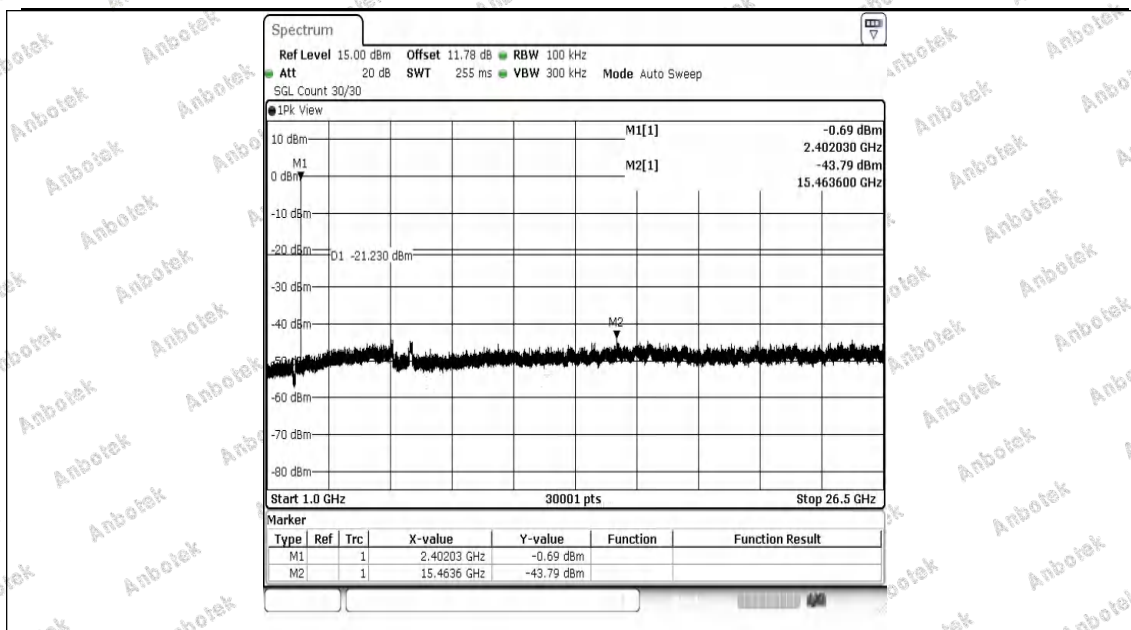
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.23	-1.23	---	PASS
DH5	Ant1	2402	30~1000	-1.23	-58.23	≤-21.23	PASS
DH5	Ant1	2402	1000~26500	-1.23	-43.79	≤-21.23	PASS
DH5	Ant1	2441	0~Reference	-2.80	-2.80	---	PASS
DH5	Ant1	2441	30~1000	-2.80	-57.6	≤-22.8	PASS
DH5	Ant1	2441	1000~26500	-2.80	-44.19	≤-22.8	PASS
DH5	Ant1	2480	0~Reference	-1.72	-1.72	---	PASS
DH5	Ant1	2480	30~1000	-1.72	-57.46	≤-21.72	PASS
DH5	Ant1	2480	1000~26500	-1.72	-42.82	≤-21.72	PASS
2DH5	Ant1	2402	0~Reference	-7.90	-7.90	---	PASS
2DH5	Ant1	2402	30~1000	-7.90	-57.82	≤-27.9	PASS
2DH5	Ant1	2402	1000~26500	-7.90	-43.54	≤-27.9	PASS
2DH5	Ant1	2441	0~Reference	-2.52	-2.52	---	PASS
2DH5	Ant1	2441	30~1000	-2.52	-57.92	≤-22.52	PASS
2DH5	Ant1	2441	1000~26500	-2.52	-44.59	≤-22.52	PASS
2DH5	Ant1	2480	0~Reference	-7.81	-7.81	---	PASS
2DH5	Ant1	2480	30~1000	-7.81	-57.63	≤-27.81	PASS
2DH5	Ant1	2480	1000~26500	-7.81	-44.09	≤-27.81	PASS
3DH5	Ant1	2402	0~Reference	-6.08	-6.08	---	PASS
3DH5	Ant1	2402	30~1000	-6.08	-57.82	≤-26.08	PASS
3DH5	Ant1	2402	1000~26500	-6.08	-43.19	≤-26.08	PASS
3DH5	Ant1	2441	0~Reference	-2.20	-2.20	---	PASS
3DH5	Ant1	2441	30~1000	-2.20	-57.74	≤-22.2	PASS
3DH5	Ant1	2441	1000~26500	-2.20	-43.88	≤-22.2	PASS
3DH5	Ant1	2480	0~Reference	-8.33	-8.33	---	PASS
3DH5	Ant1	2480	30~1000	-8.33	-58.55	≤-28.33	PASS
3DH5	Ant1	2480	1000~26500	-8.33	-43.49	≤-28.33	PASS

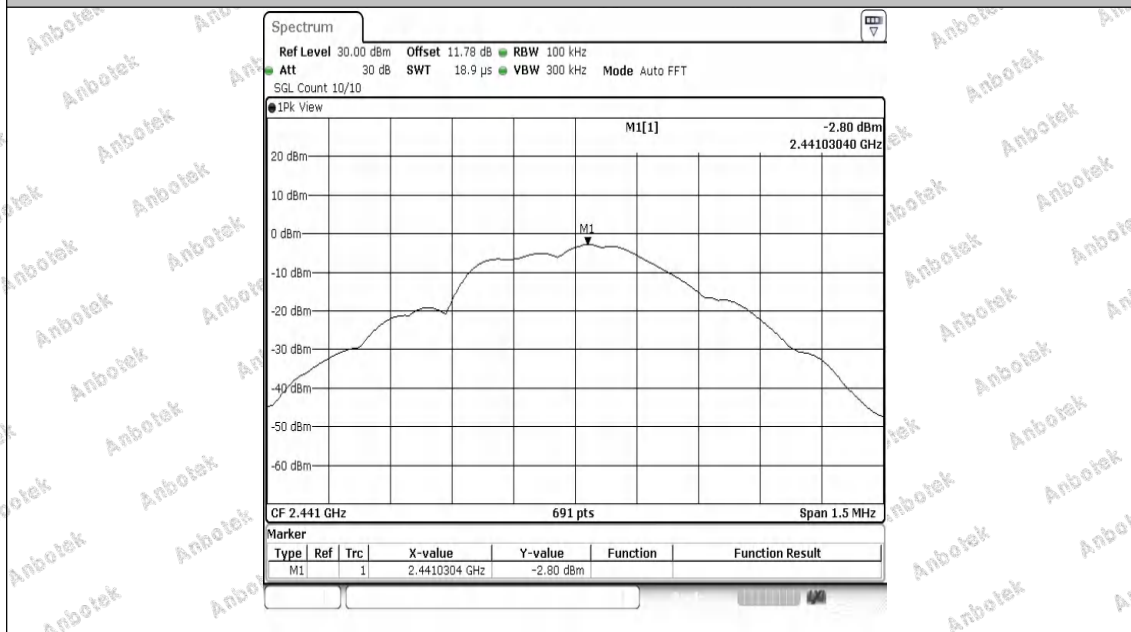


Test Graphs



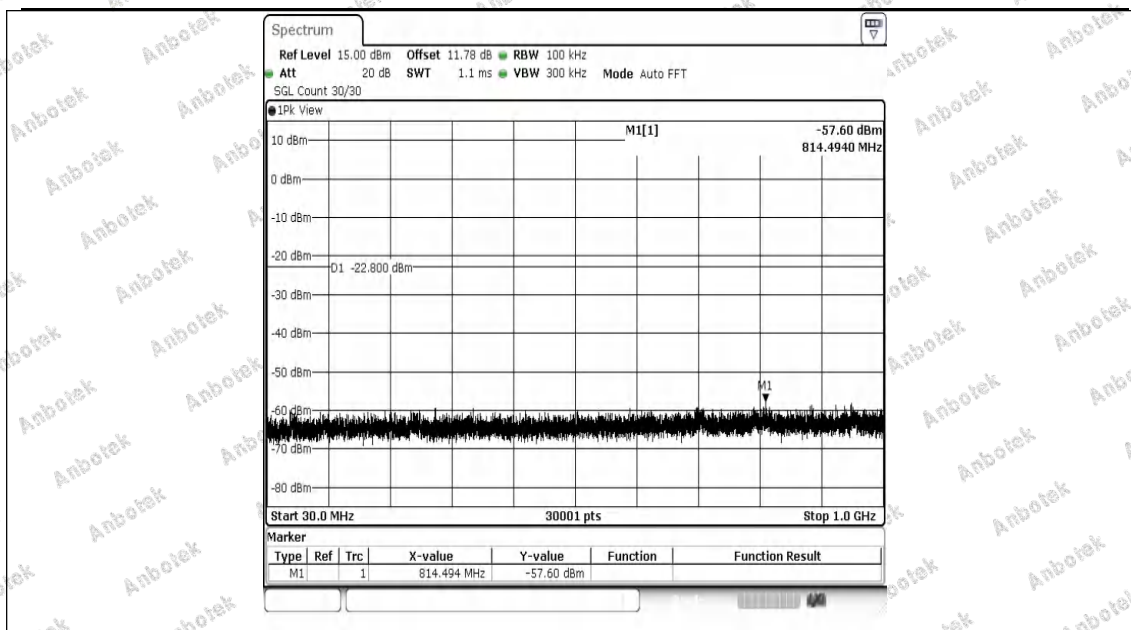


DH5-Ant1-2402-1000~26500-PASS

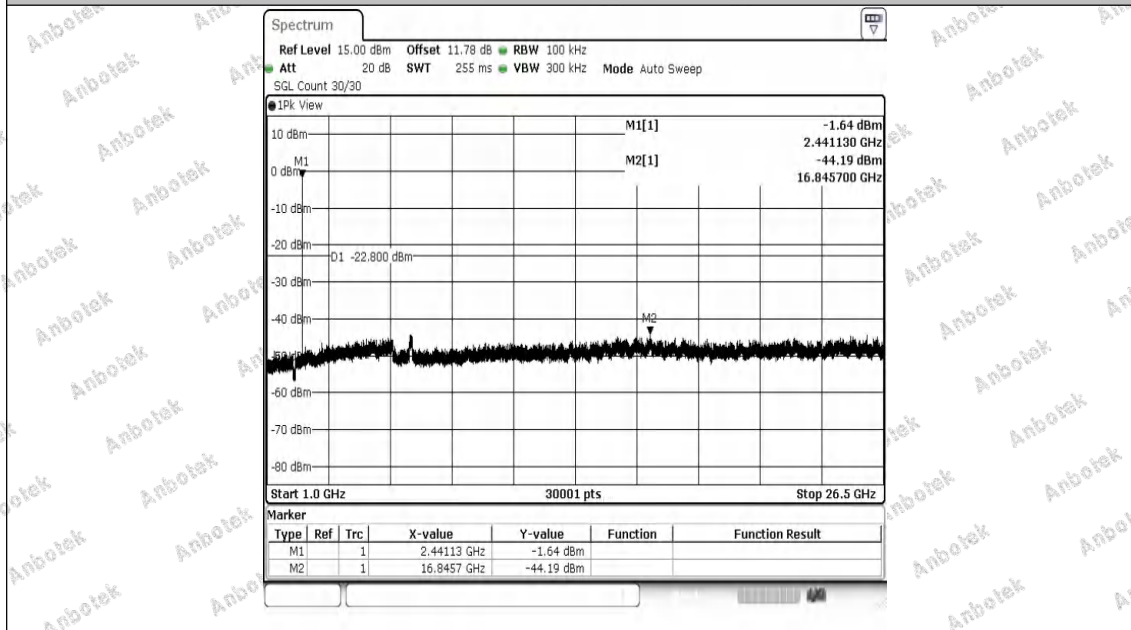


DH5-Ant1-2441-0~Reference-PASS



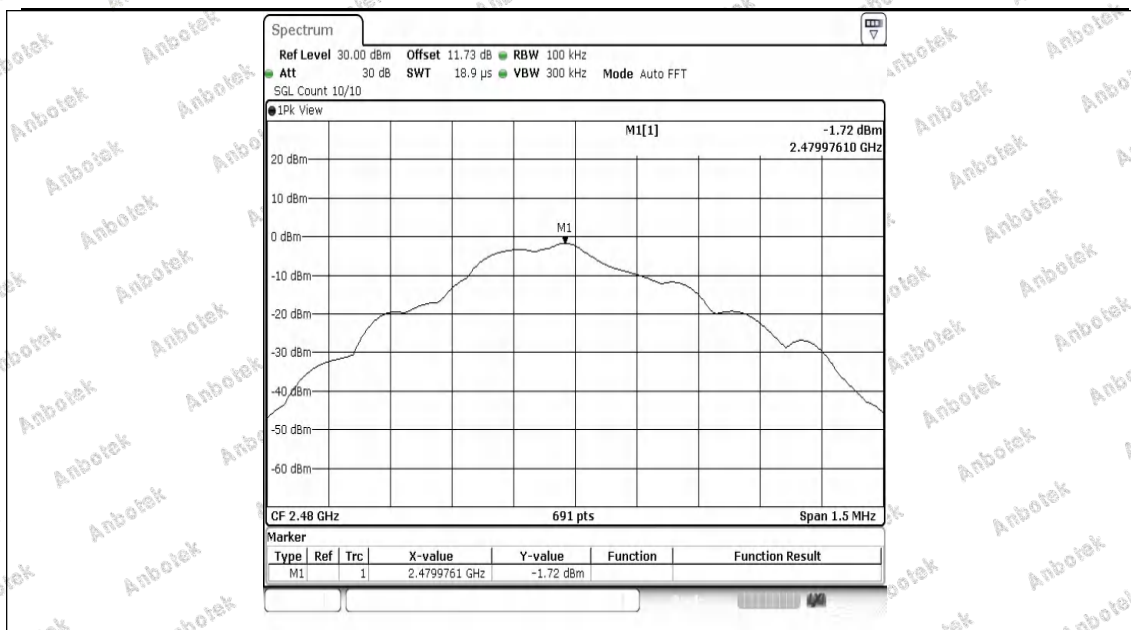


DH5-Ant1-2441-30~1000-PASS

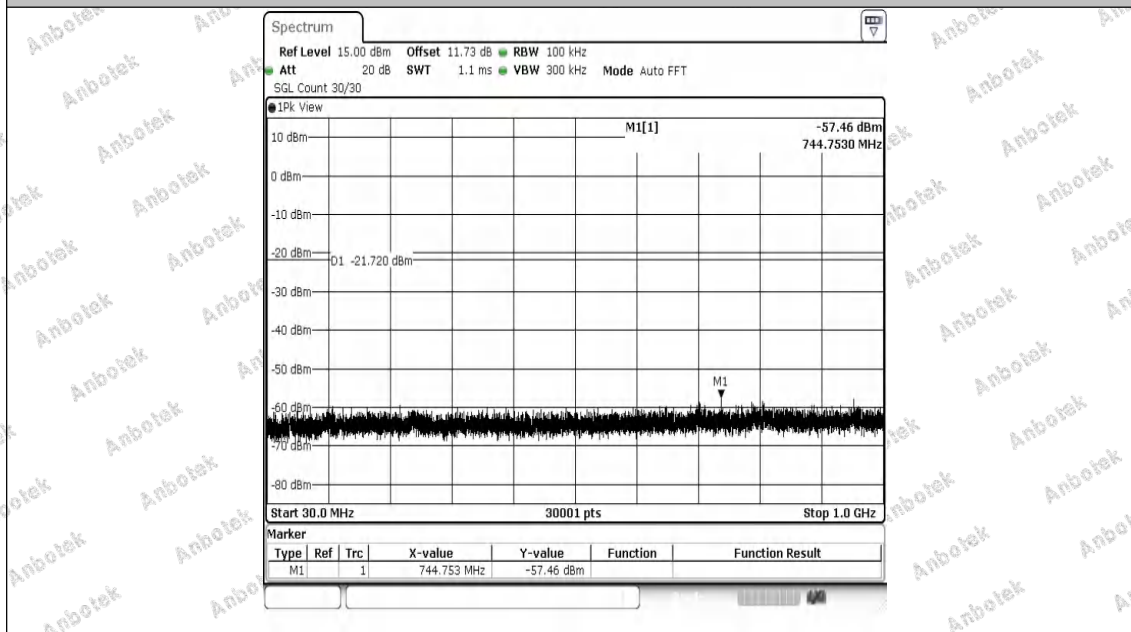


DH5-Ant1-2441-1000~26500-PASS



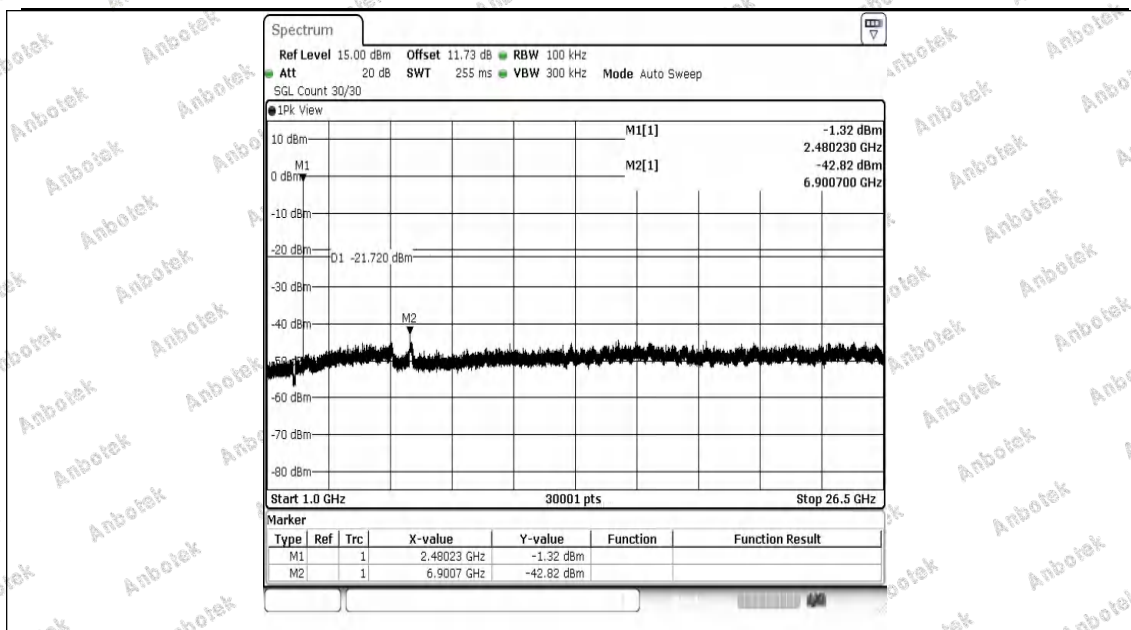


DH5-Ant1-2480-0~Reference-PASS

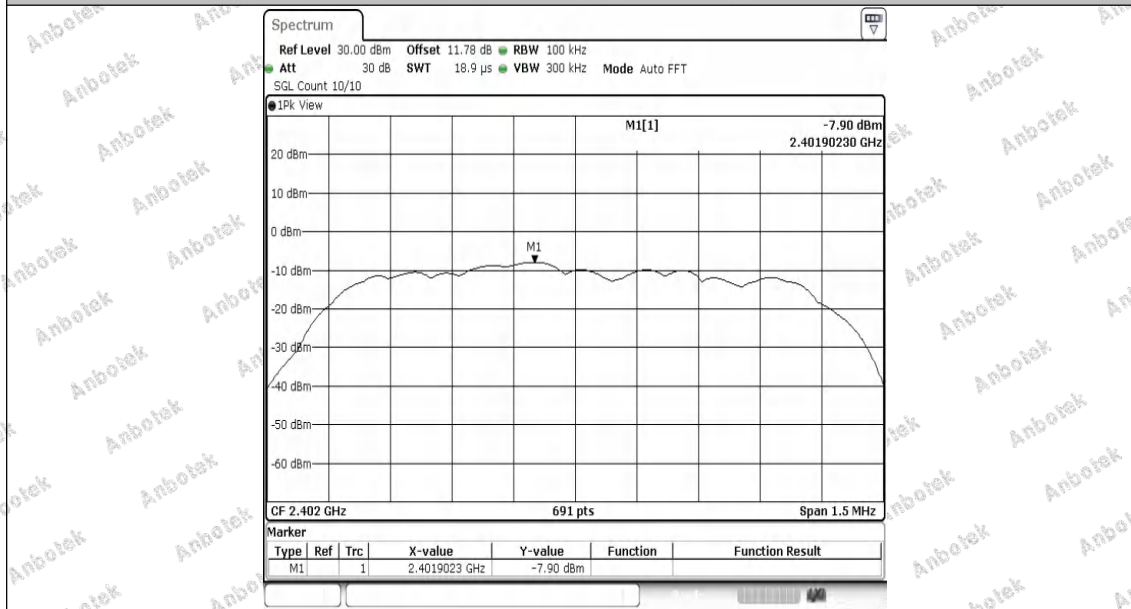


DH5-Ant1-2480-30~1000-PASS



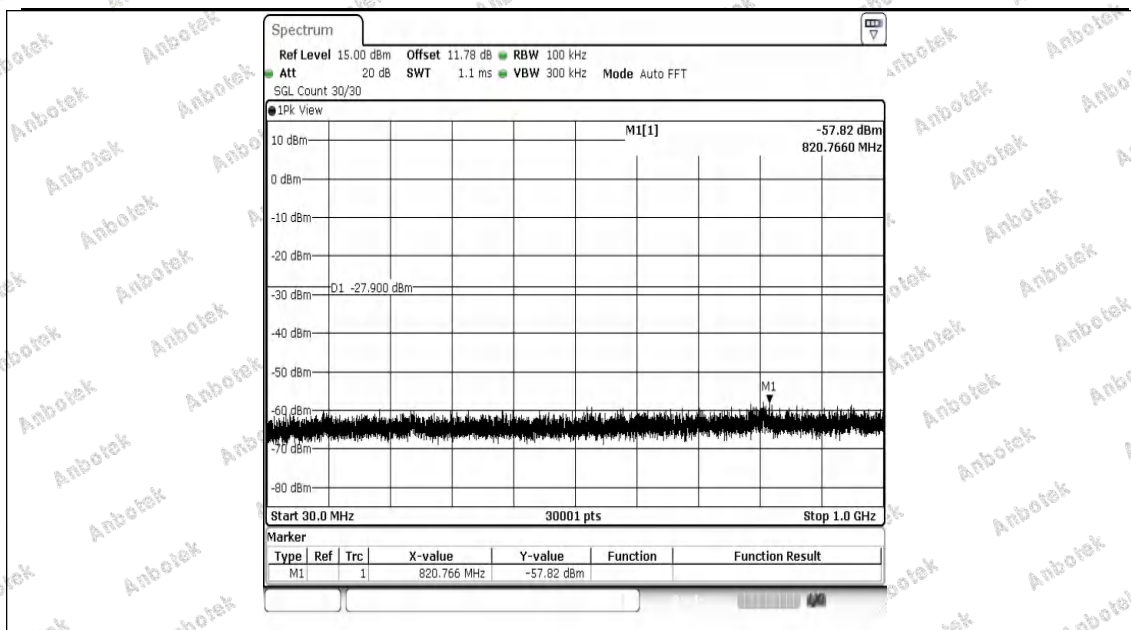


DH5-Ant1-2480-1000~26500-PASS

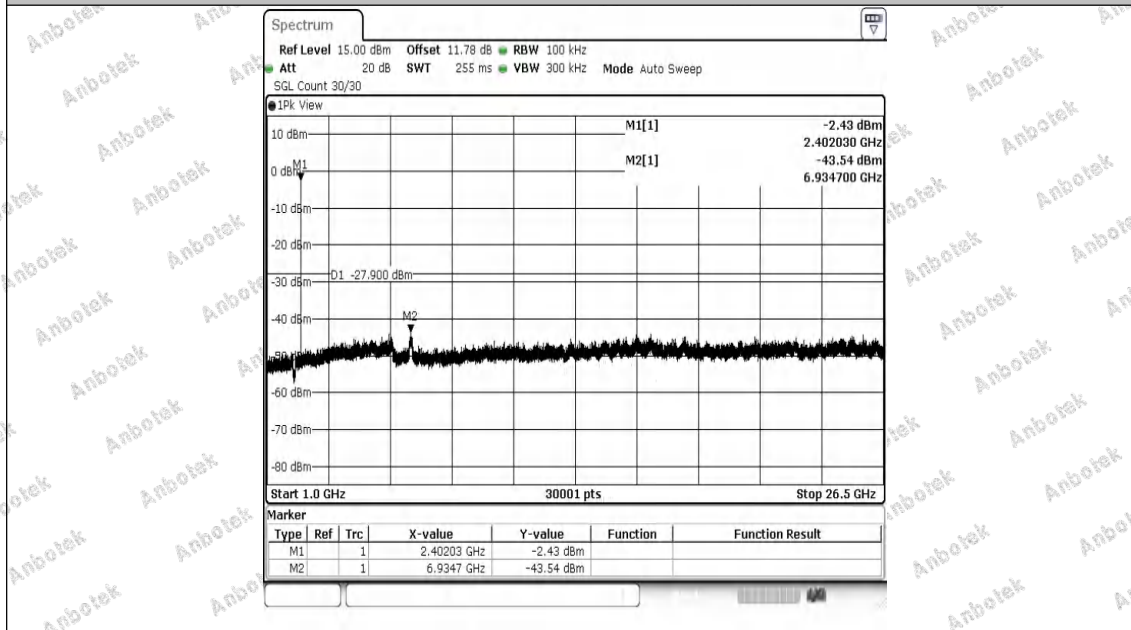


2DH5-Ant1-2402-0~Reference-PASS



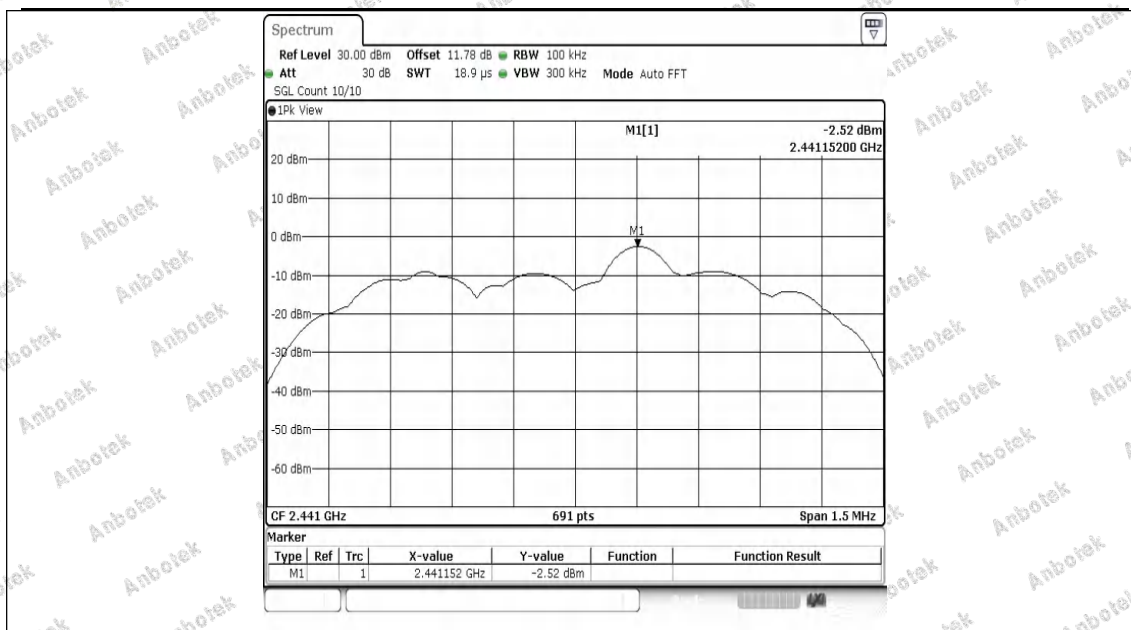


2DH5-Ant1-2402-30~1000-PASS

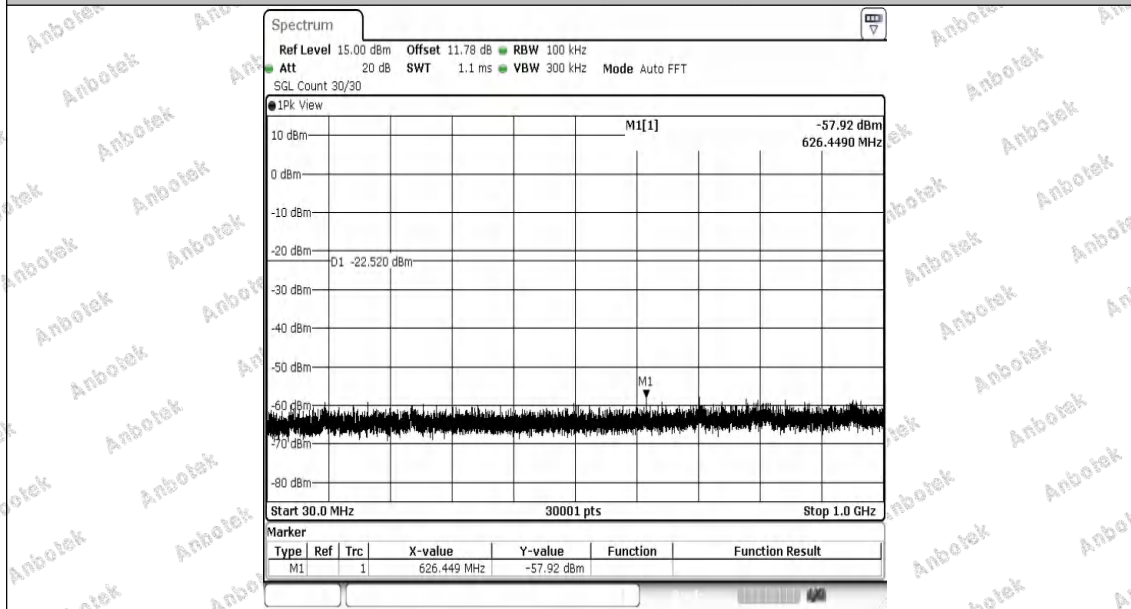


2DH5-Ant1-2402-1000~26500-PASS



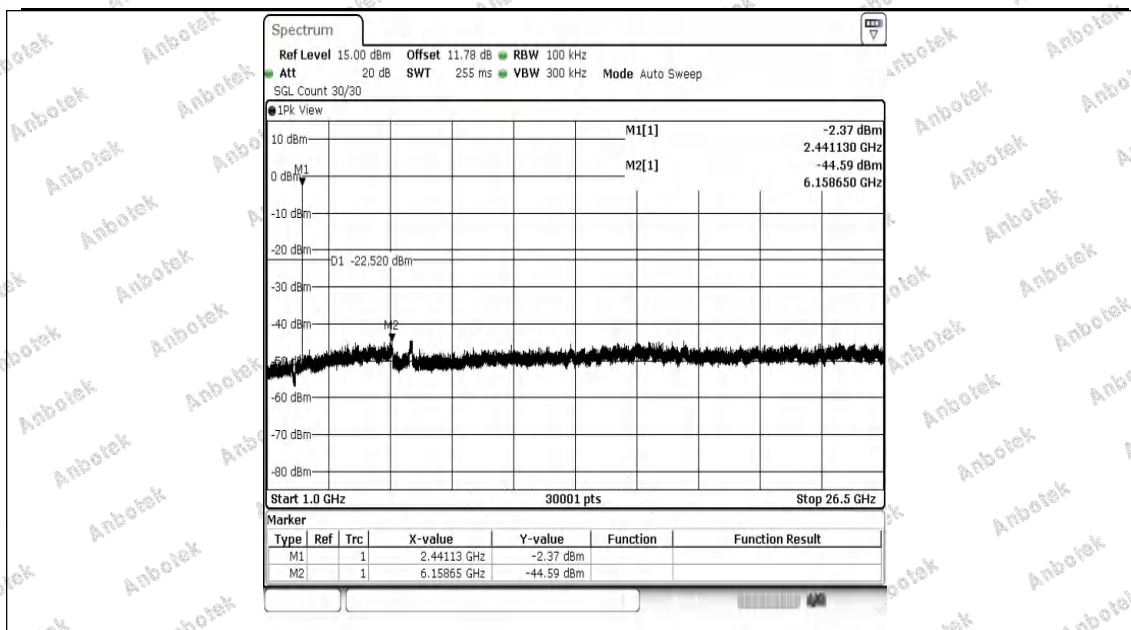


2DH5-Ant1-2441-0~Reference-PASS

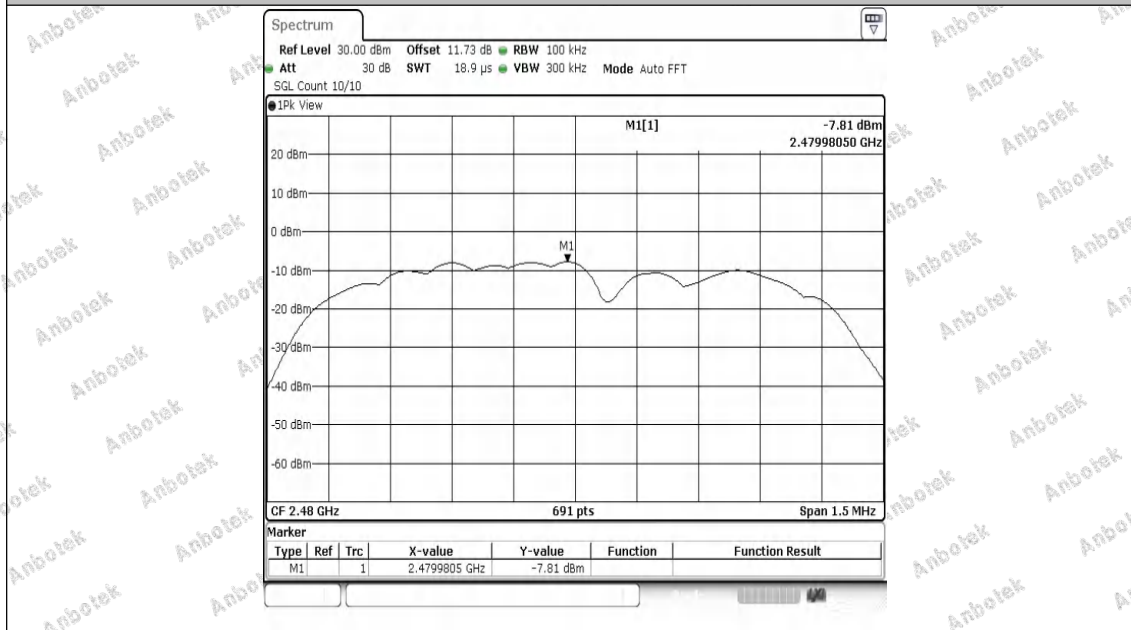


2DH5-Ant1-2441-30~1000-PASS



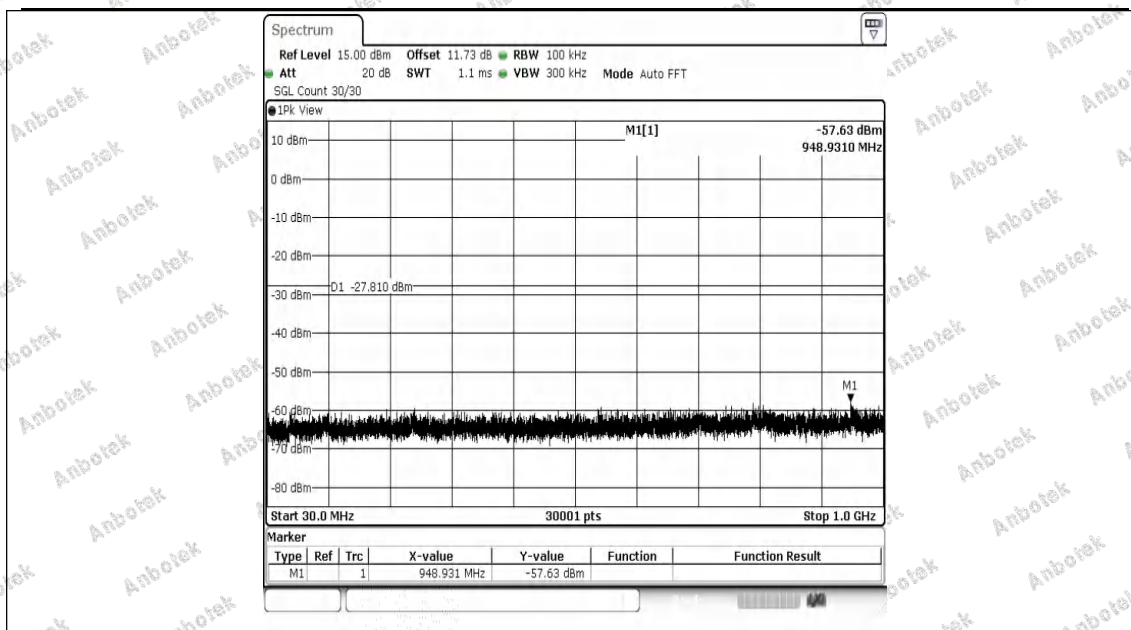


2DH5-Ant1-2441-1000~26500-PASS

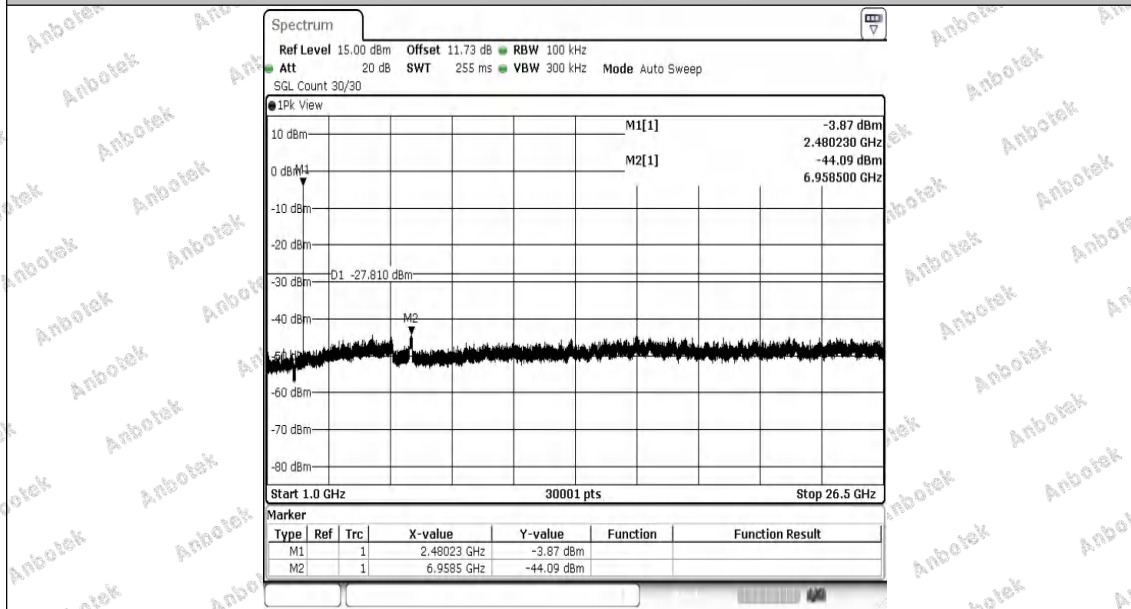


2DH5-Ant1-2480-0~Reference-PASS



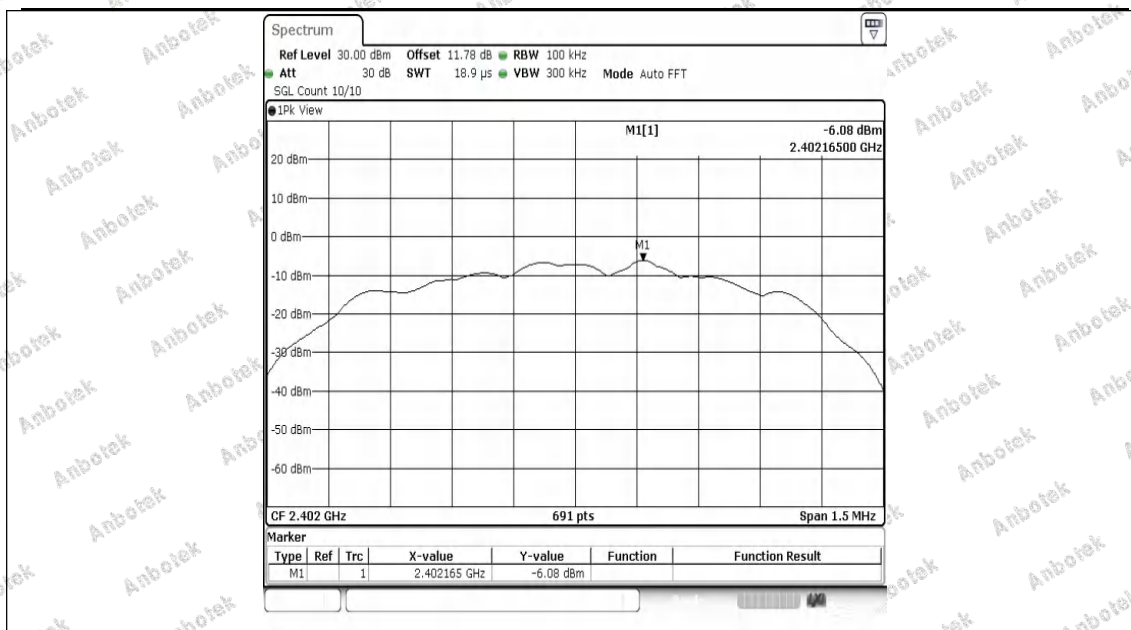


2DH5-Ant1-2480-30~1000-PASS

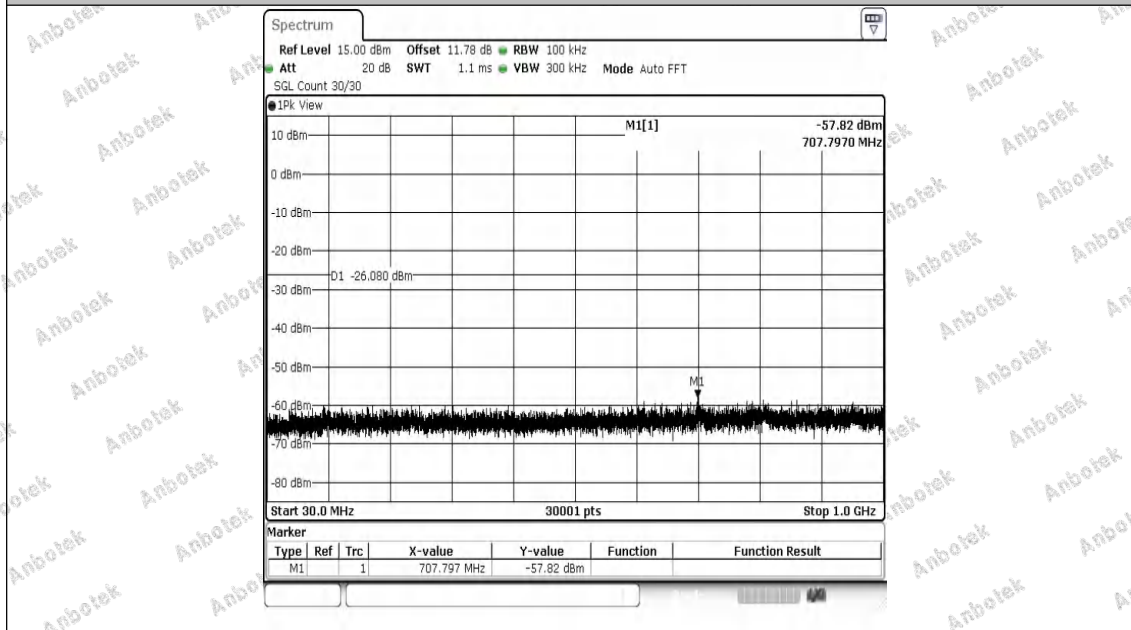


2DH5-Ant1-2480-1000~26500-PASS



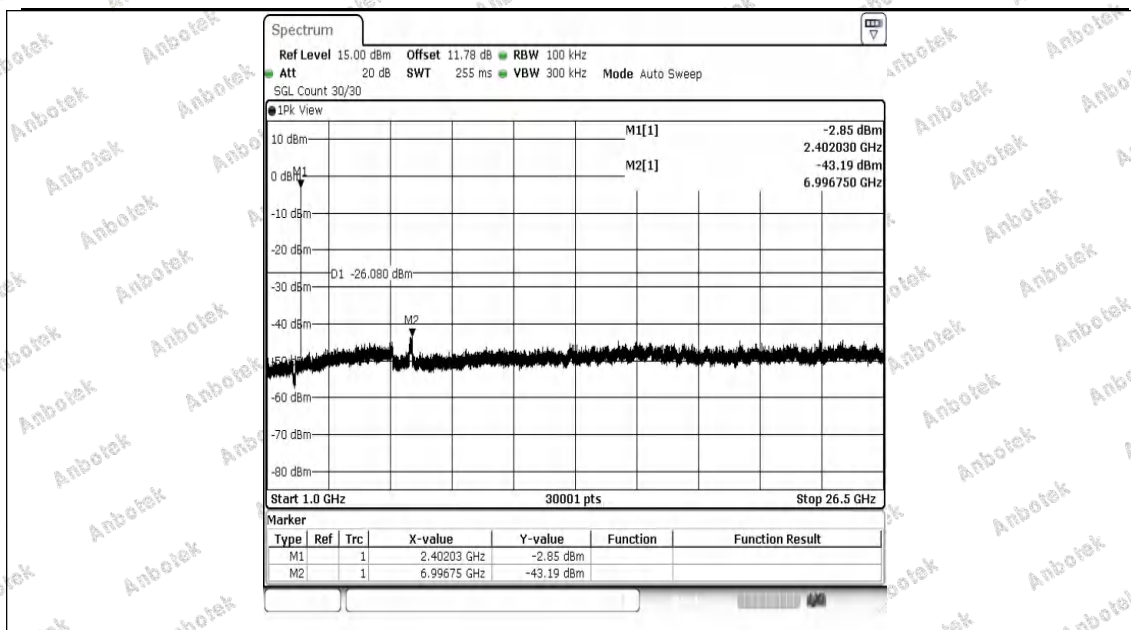


3DH5-Ant1-2402-0~Reference-PASS

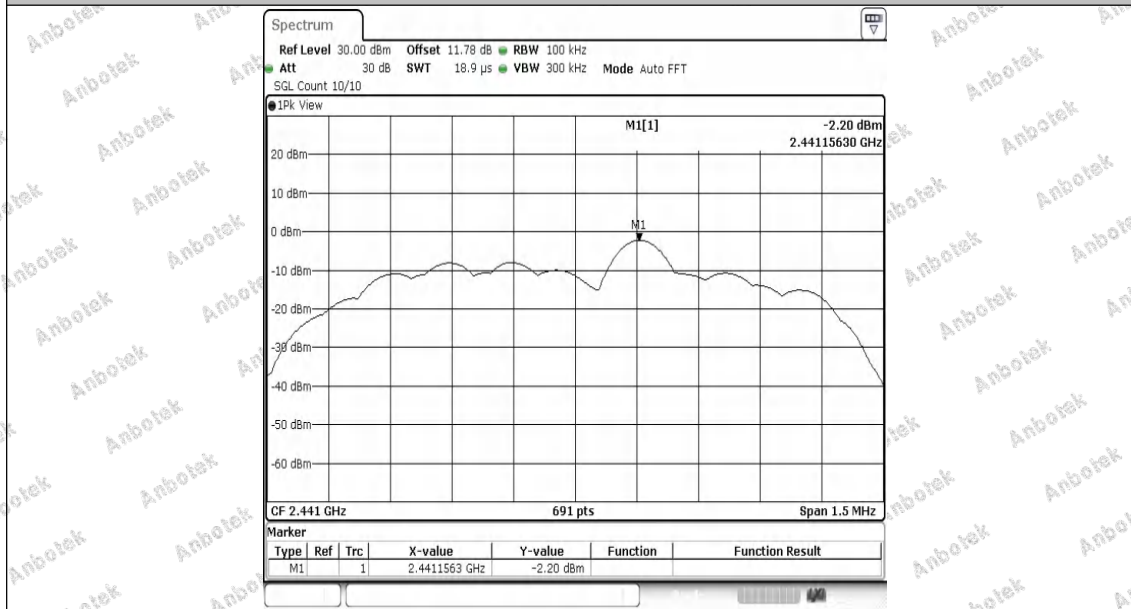


3DH5-Ant1-2402-30~1000-PASS



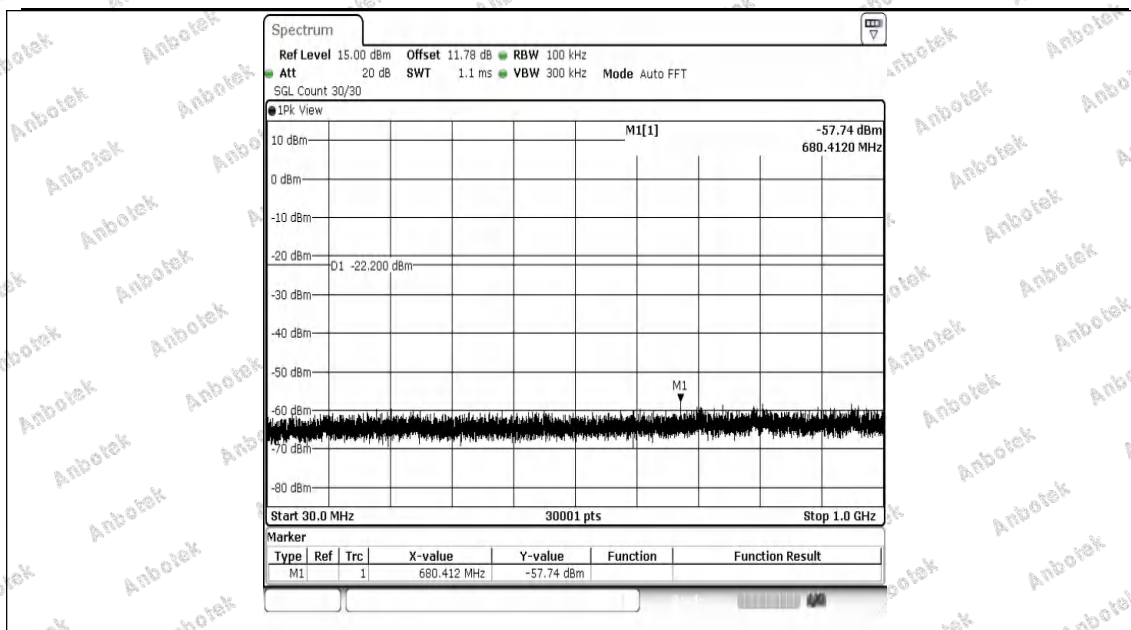


3DH5-Ant1-2402-1000~26500-PASS

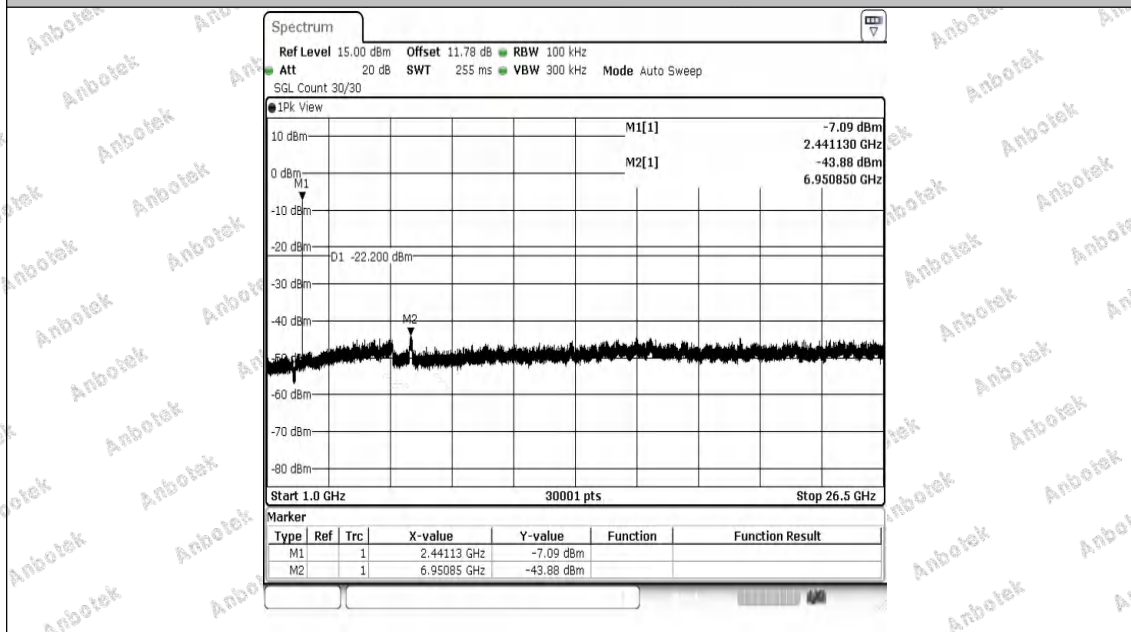


3DH5-Ant1-2441-0~Reference-PASS



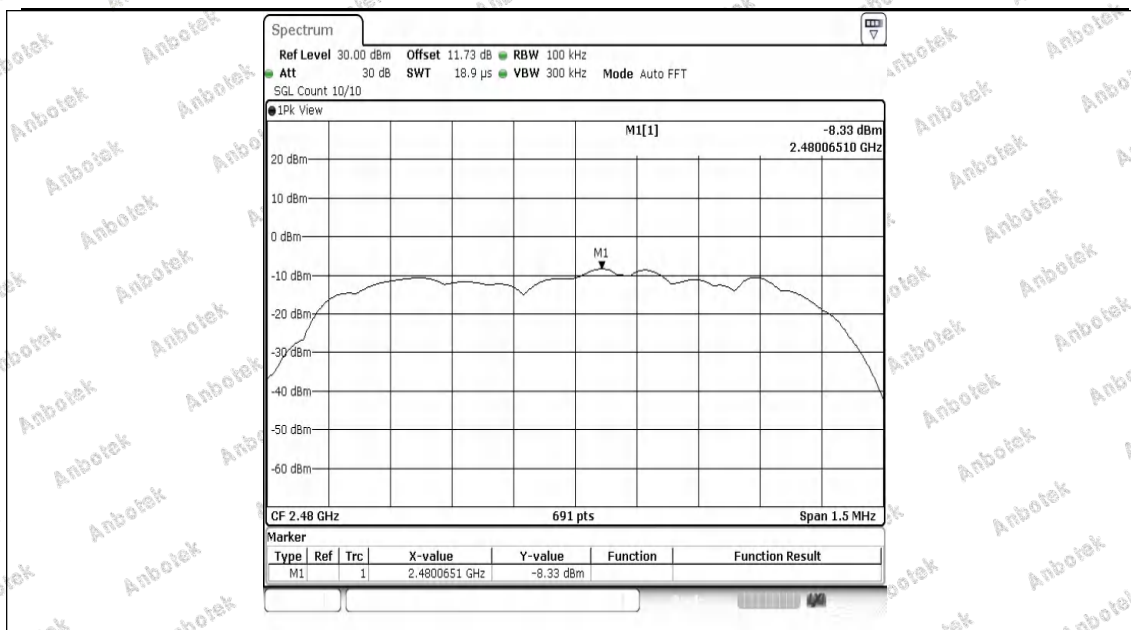


3DH5-Ant1-2441-30~1000-PASS

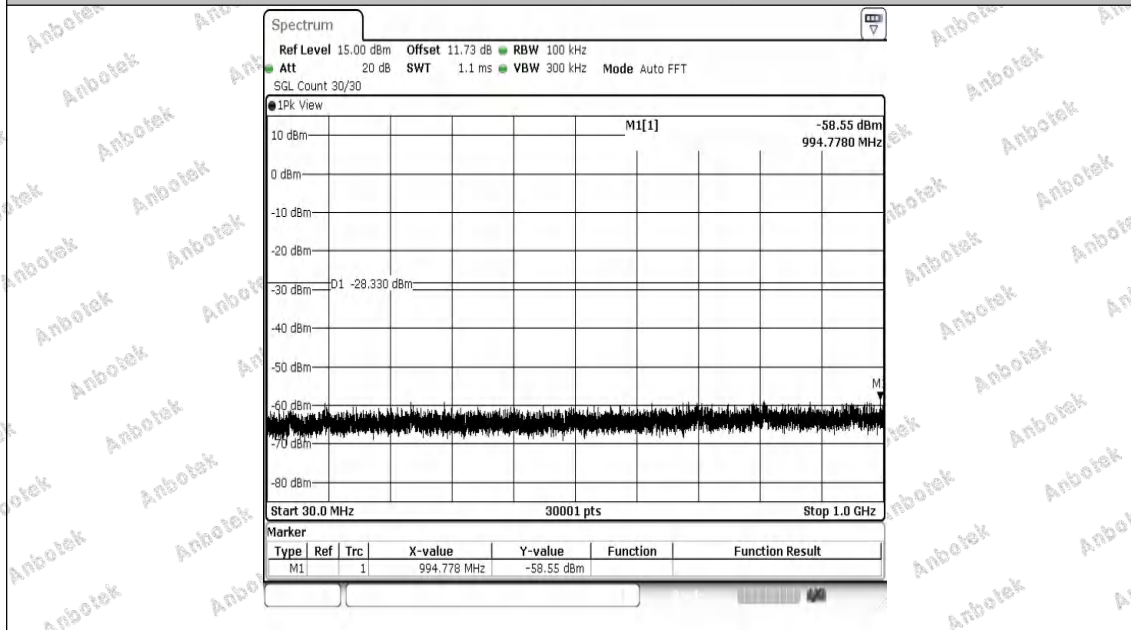


3DH5-Ant1-2441-1000~26500-PASS



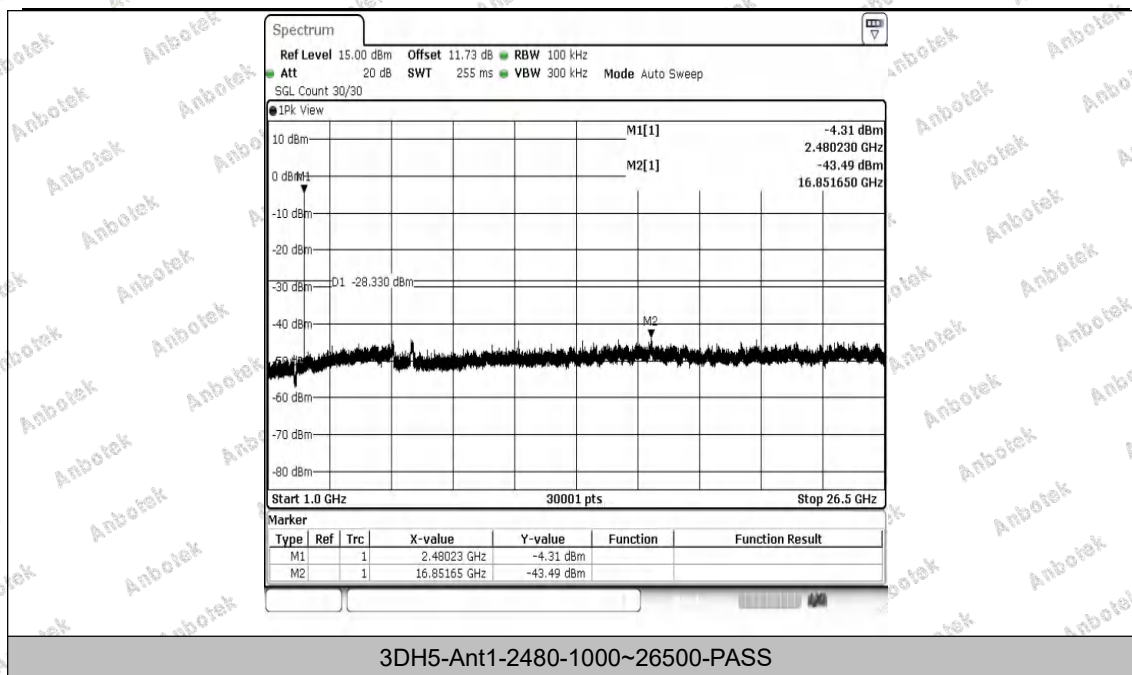


3DH5-Ant1-2480-0~Reference-PASS



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





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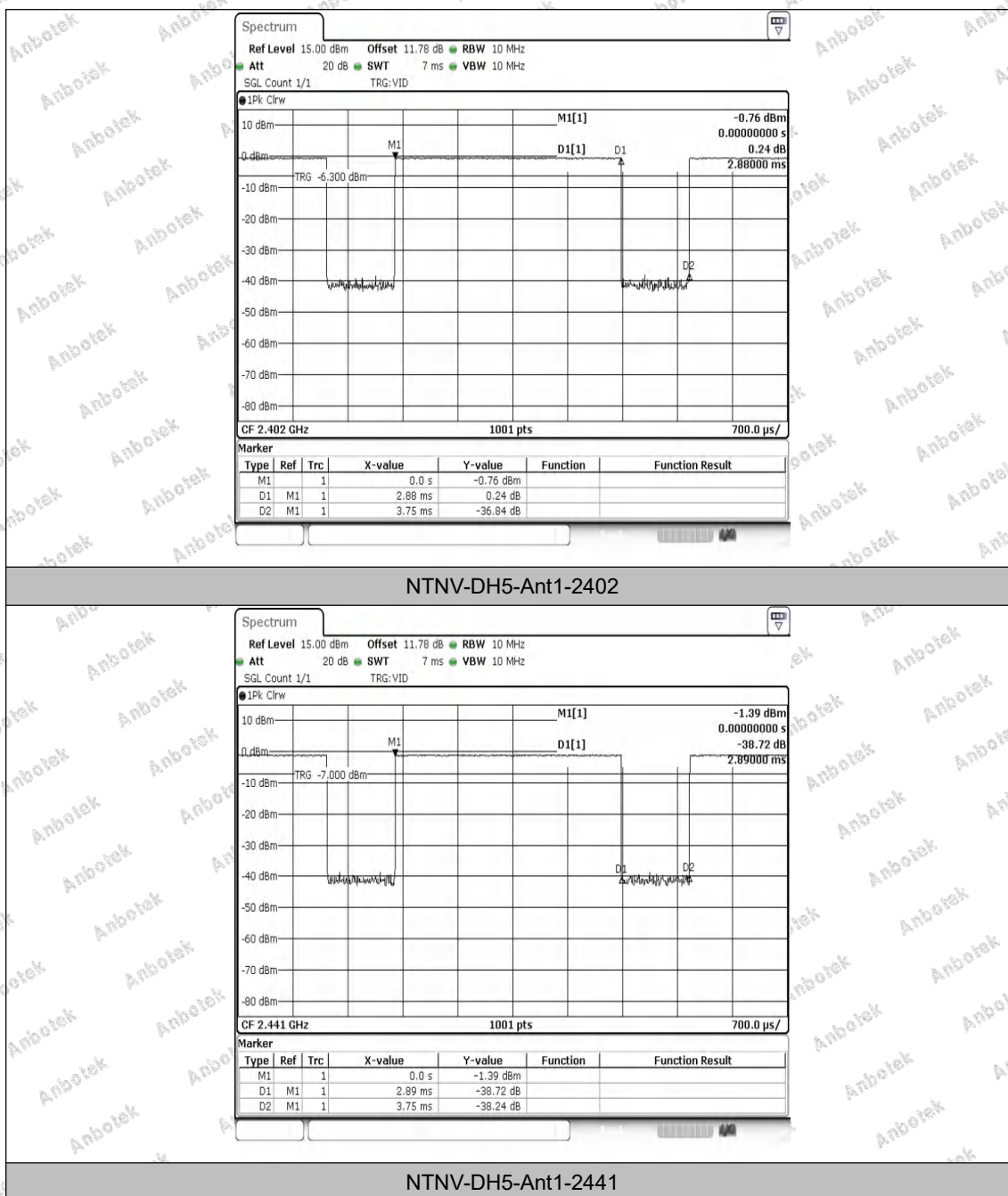
Appendix I: Duty Cycle

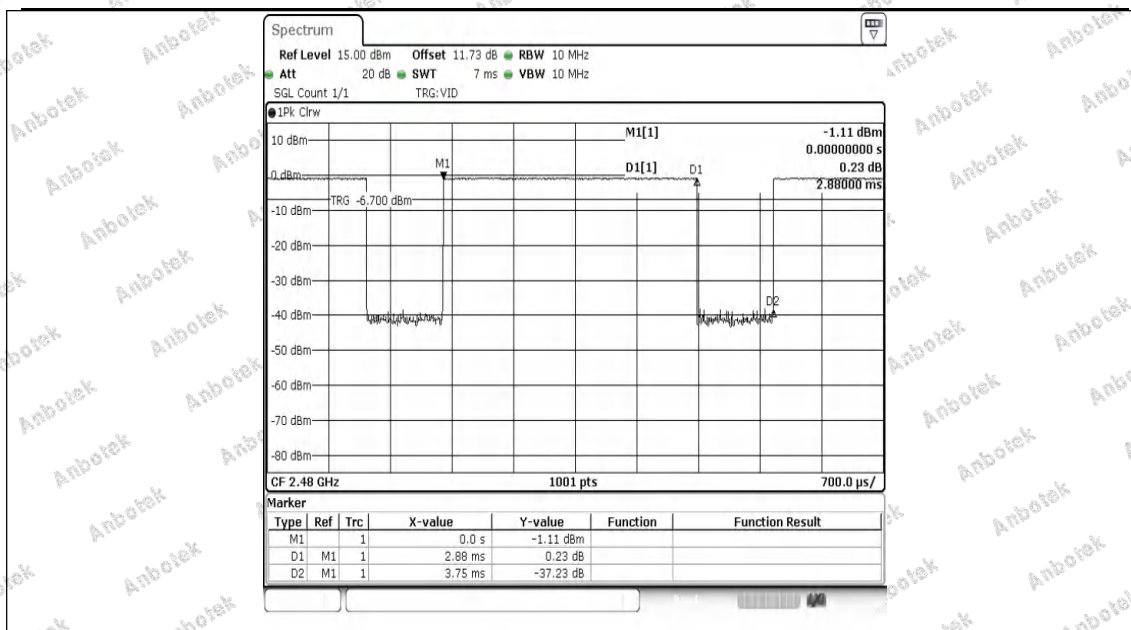
Test Result

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	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.76	76.86	1.14
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.90	3.76	77.13	1.13
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

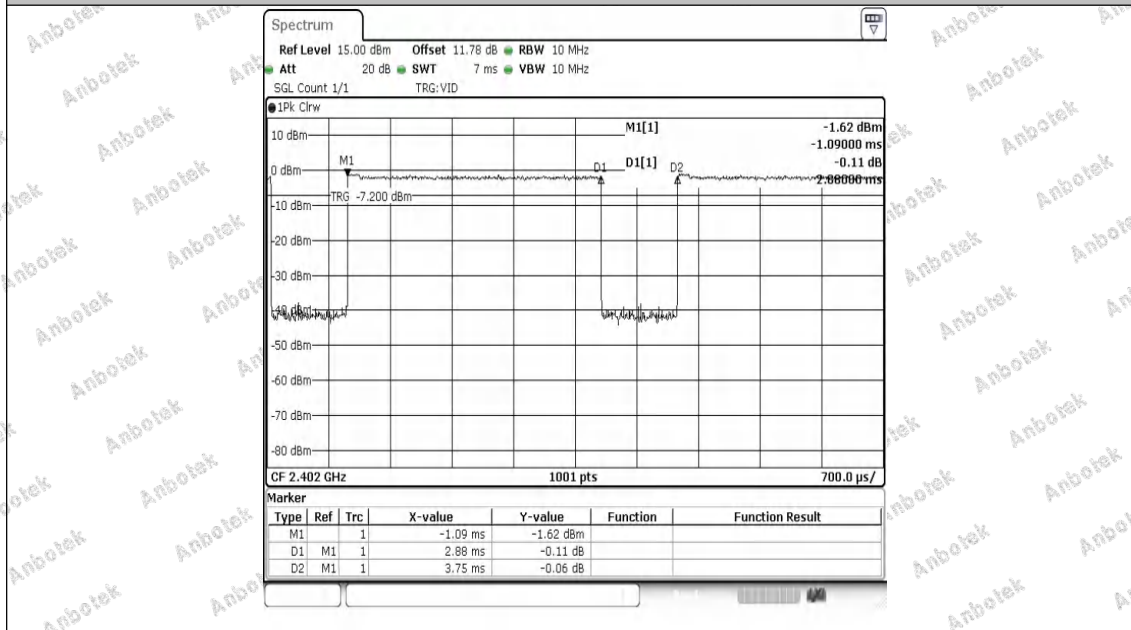


Test Graphs



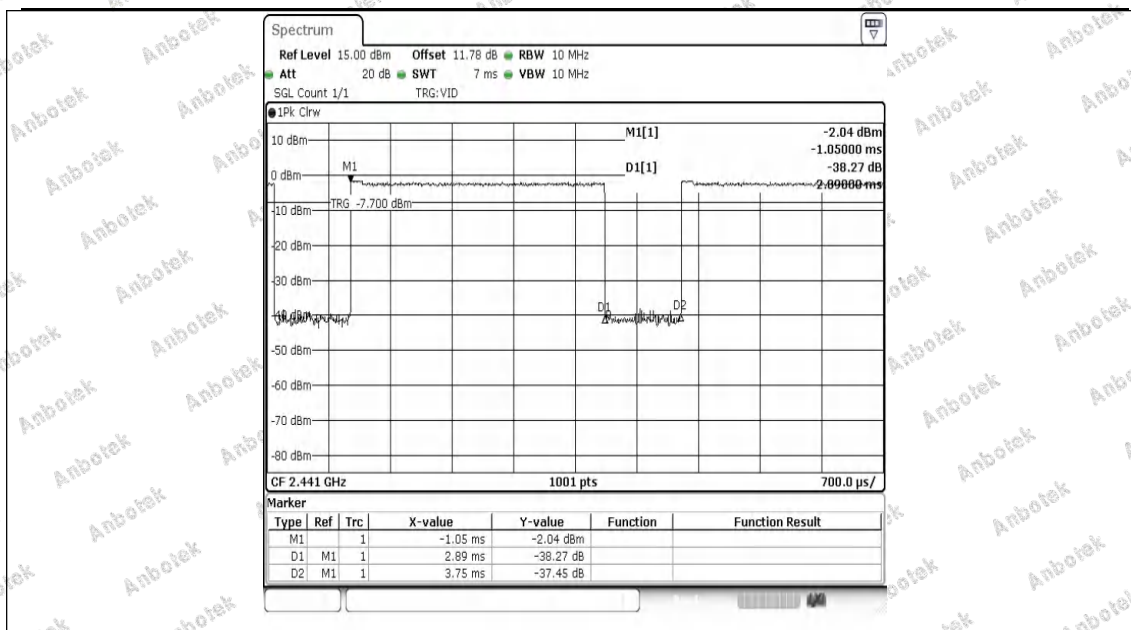


NTNV-DH5-Ant1-2480

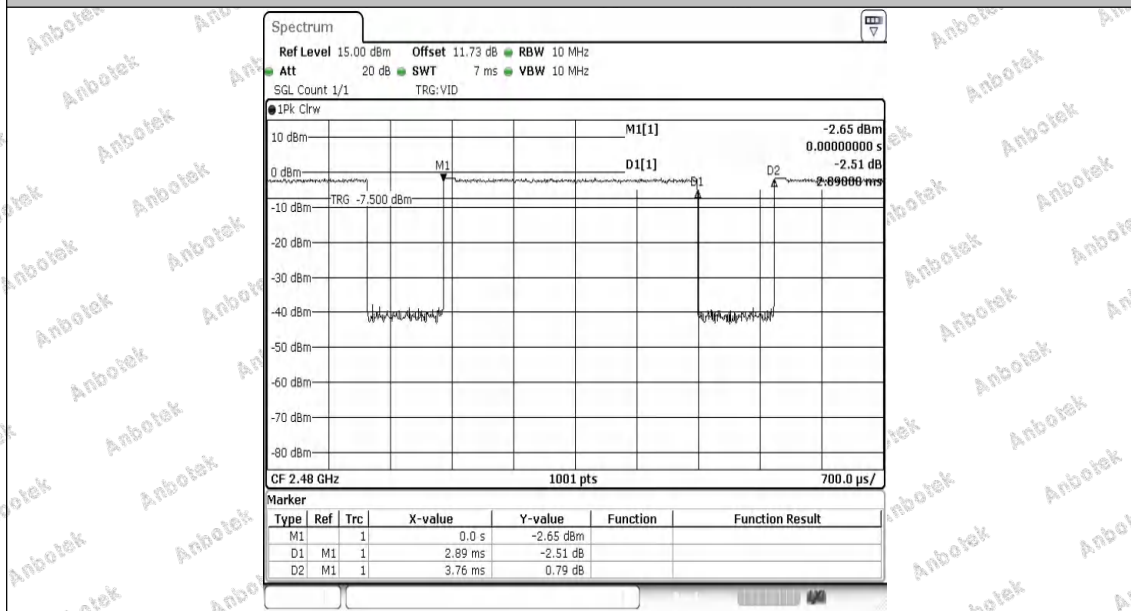


NTNV-2DH5-Ant1-2402



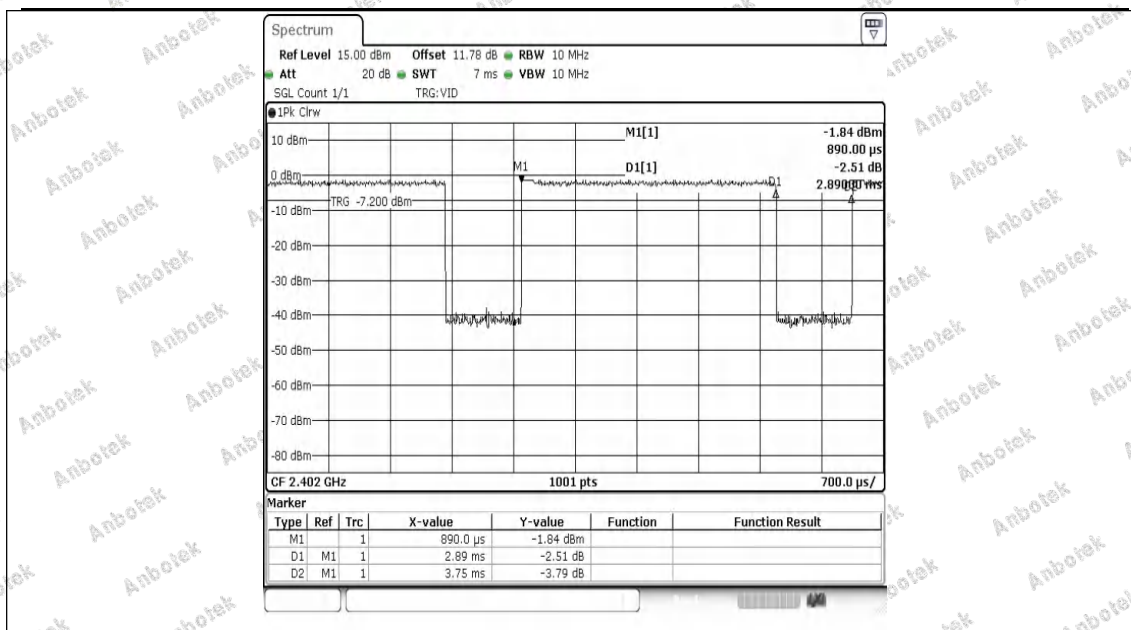


NTNV-2DH5-Ant1-2441

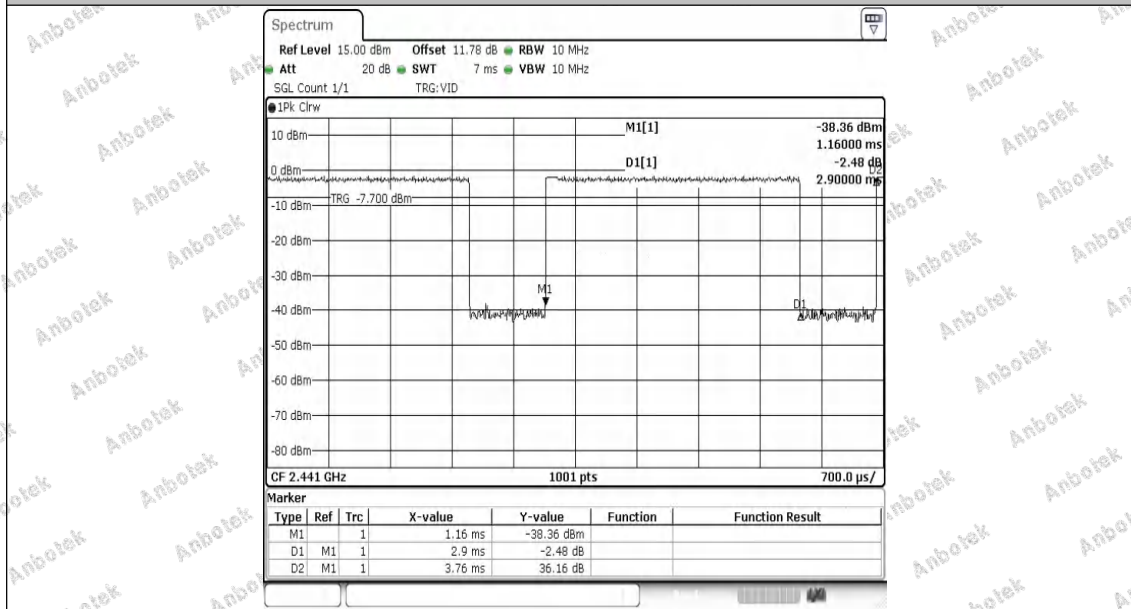


NTNV-2DH5-Ant1-2480



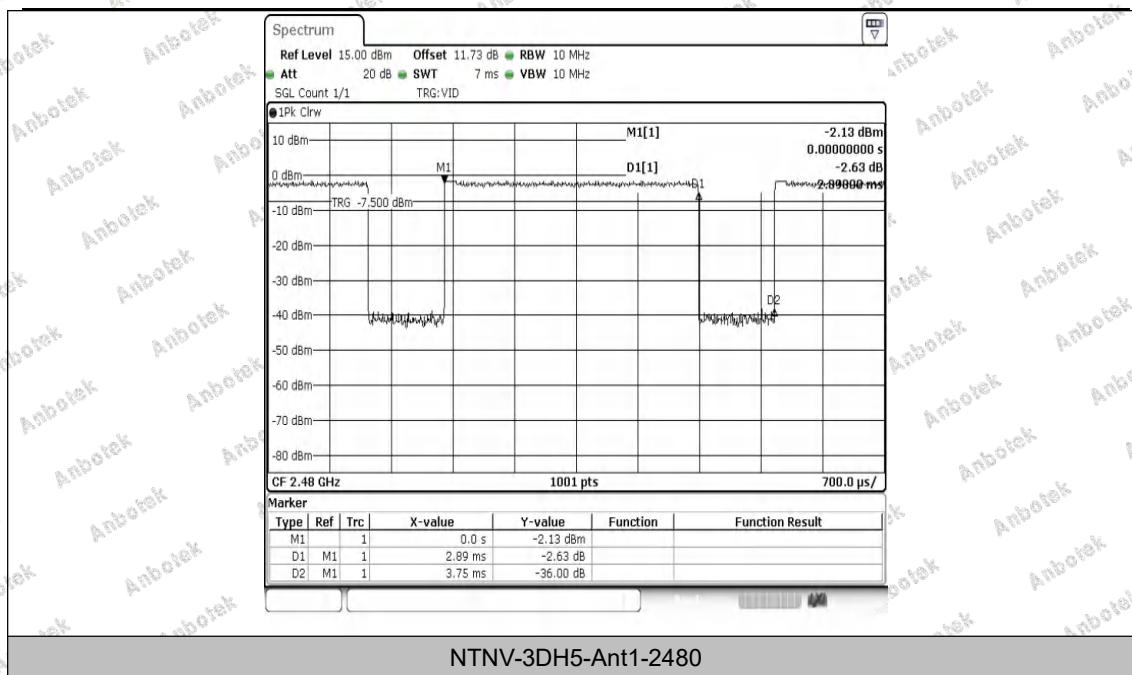


NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441





---END---

