Appendix Test Data

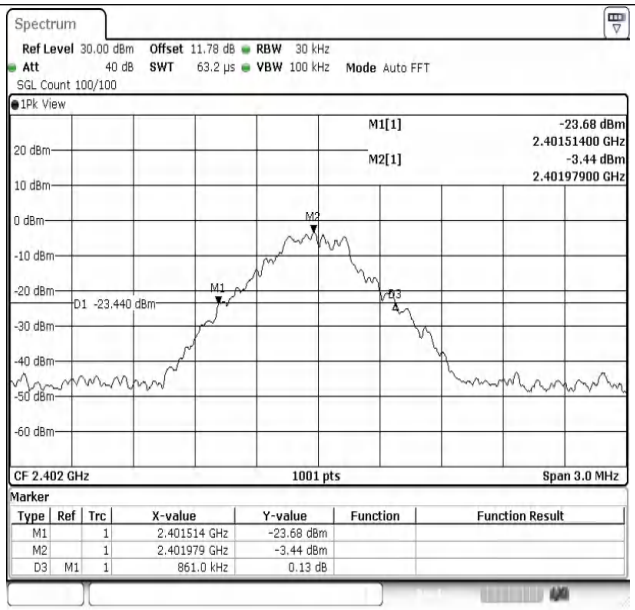
Report No:	1812C40112012501	Test Sample NO:	1-2-2
Start Test Date:	2024.11.1	Finish Test Date:	2024.11.1
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	23.6℃	Relative Humidity:	57%
Pressure:	101 kPa		

Appendix A: 20dB Emission Bandwidth

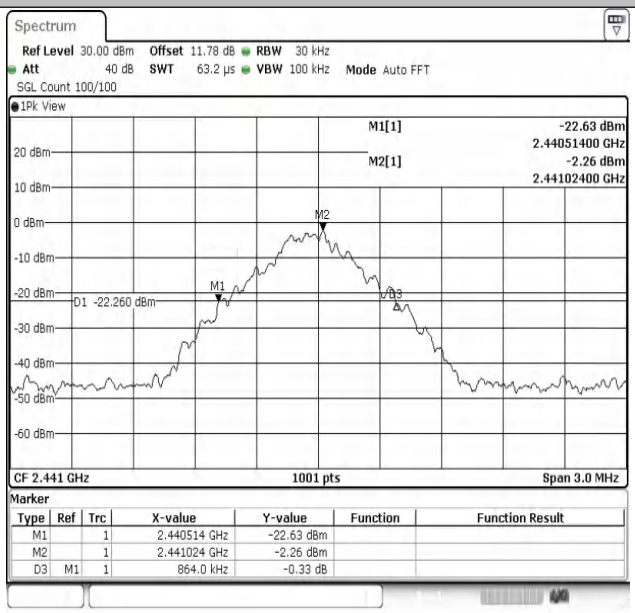
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86	2401.51	2402.38	---	---
DH5	Ant1	2441	0.86	2440.51	2441.38	---	---
DH5	Ant1	2480	0.85	2479.52	2480.37	---	---
2DH5	Ant1	2402	1.32	2401.31	2402.63	---	---
2DH5	Ant1	2441	1.34	2440.29	2441.63	---	---
2DH5	Ant1	2480	1.34	2479.29	2480.63	---	---
3DH5	Ant1	2402	1.31	2401.32	2402.63	---	---
3DH5	Ant1	2441	1.33	2440.30	2441.63	---	---
3DH5	Ant1	2480	1.35	2479.28	2480.63	---	---

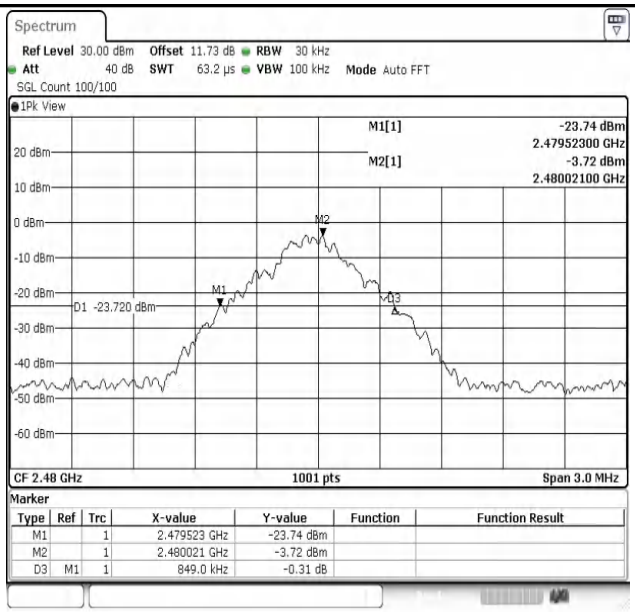
Test Graphs



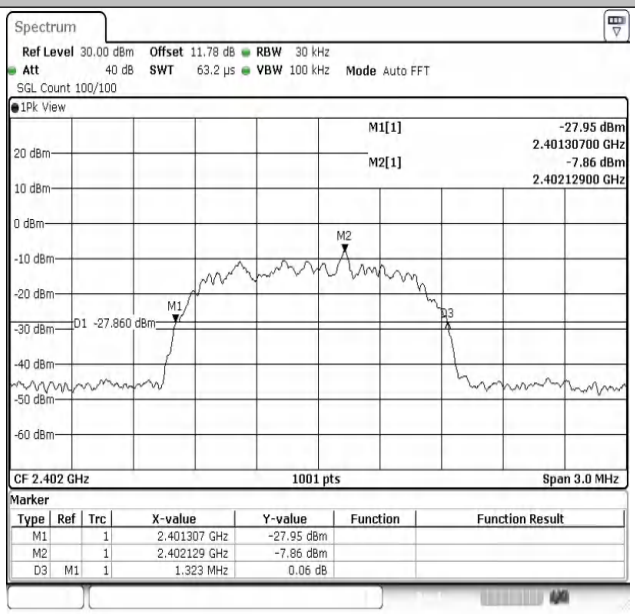
DH5-Ant1-2402



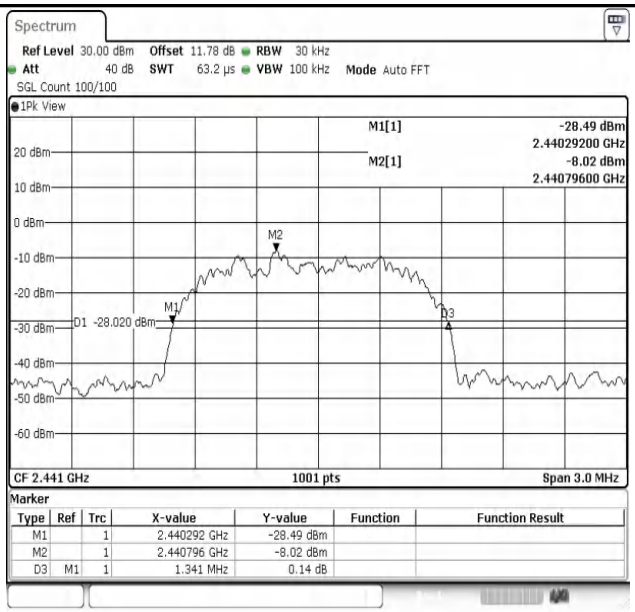
DH5-Ant1-2441



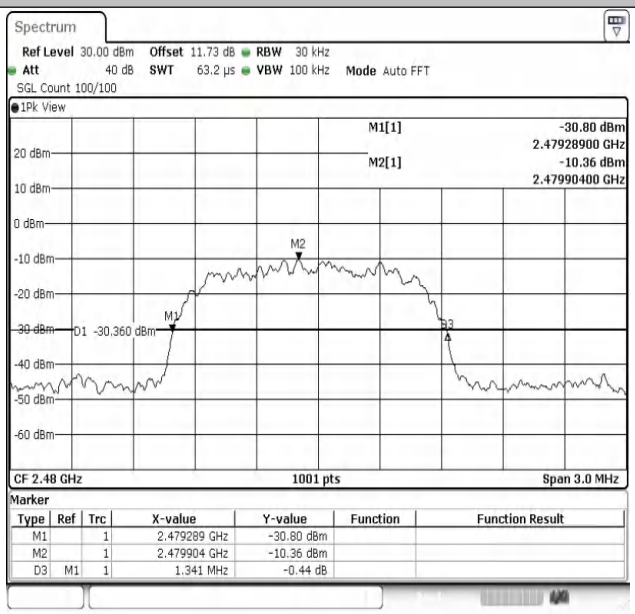
DH5-Ant1-2480



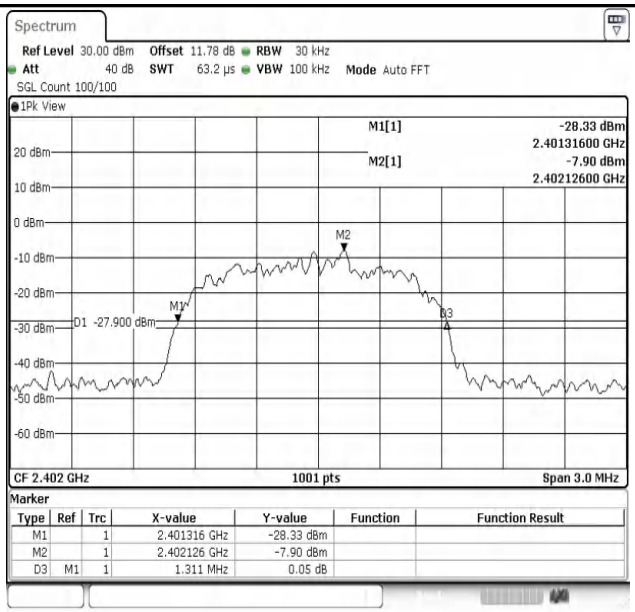
2DH5-Ant1-2402



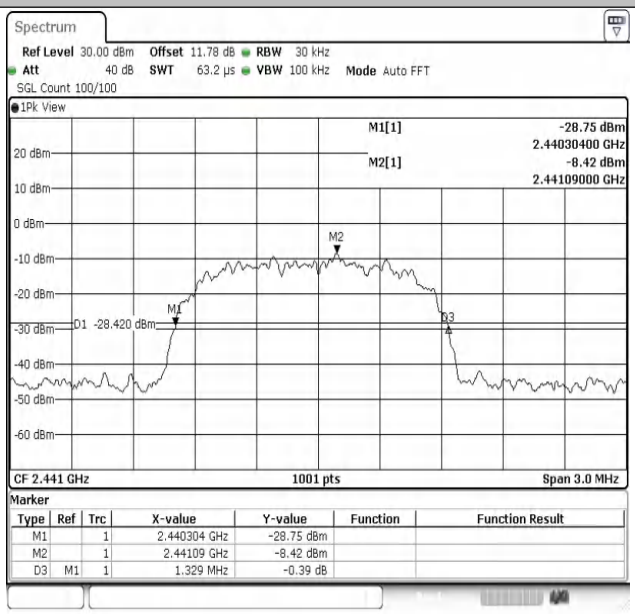
2DH5-Ant1-2441



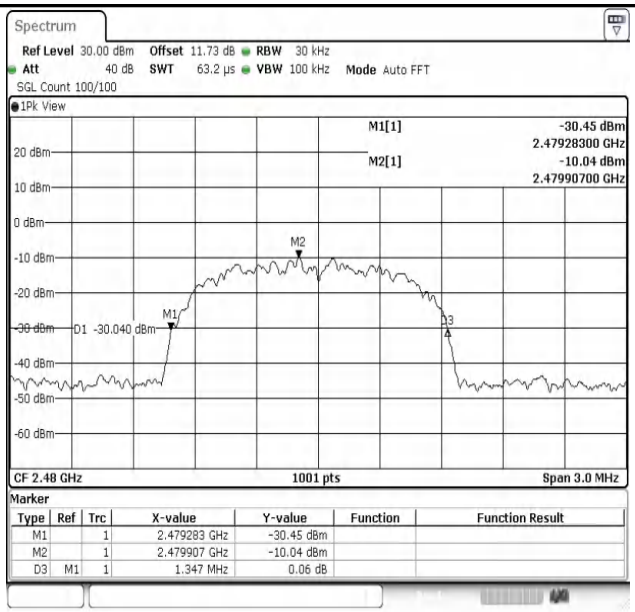
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



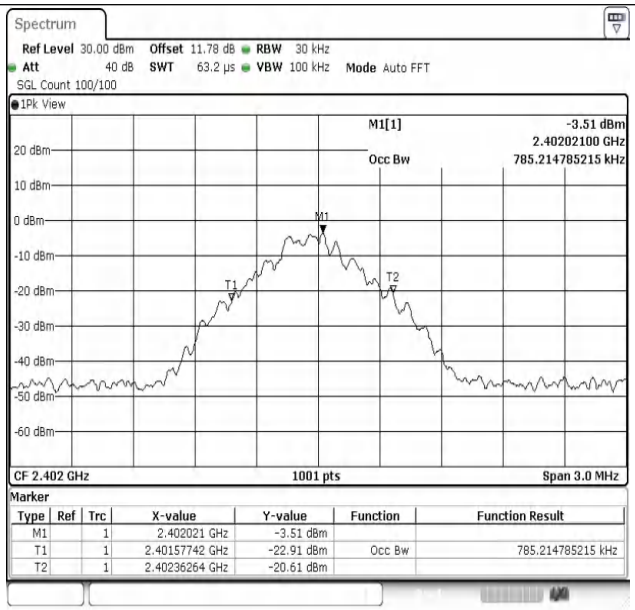
3DH5-Ant1-2480

Appendix B: Occupied Channel Bandwidth

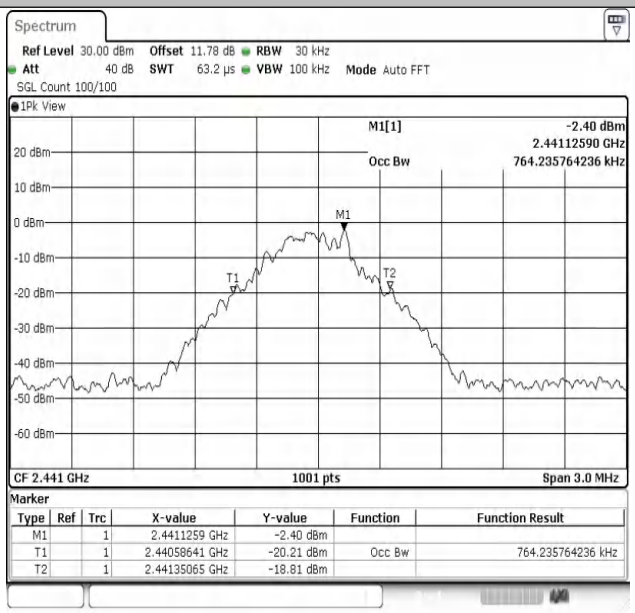
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.785	2401.5774	2402.3626	---	---
DH5	Ant1	2441	0.764	2440.5864	2441.3506	---	---
DH5	Ant1	2480	0.77	2479.5804	2480.3506	---	---
2DH5	Ant1	2402	1.19	2401.3736	2402.5634	---	---
2DH5	Ant1	2441	1.193	2440.3616	2441.5544	---	---
2DH5	Ant1	2480	1.184	2479.3616	2480.5455	---	---
3DH5	Ant1	2402	1.205	2401.3556	2402.5604	---	---
3DH5	Ant1	2441	1.199	2440.3646	2441.5634	---	---
3DH5	Ant1	2480	1.196	2479.3616	2480.5574	---	---

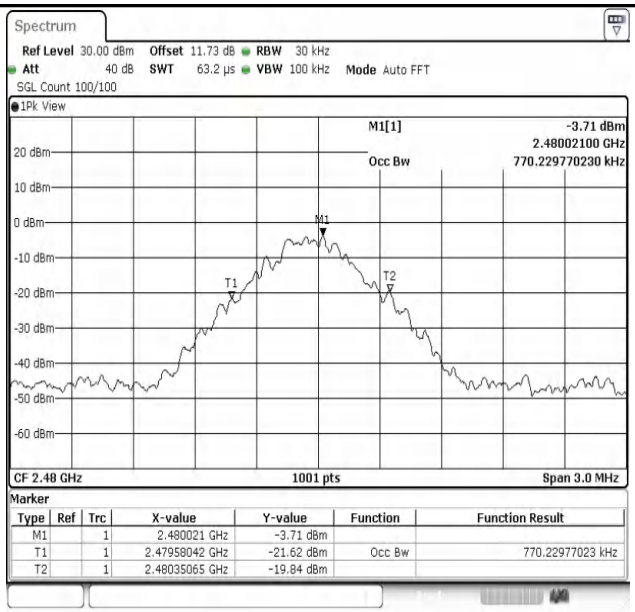
Test Graphs



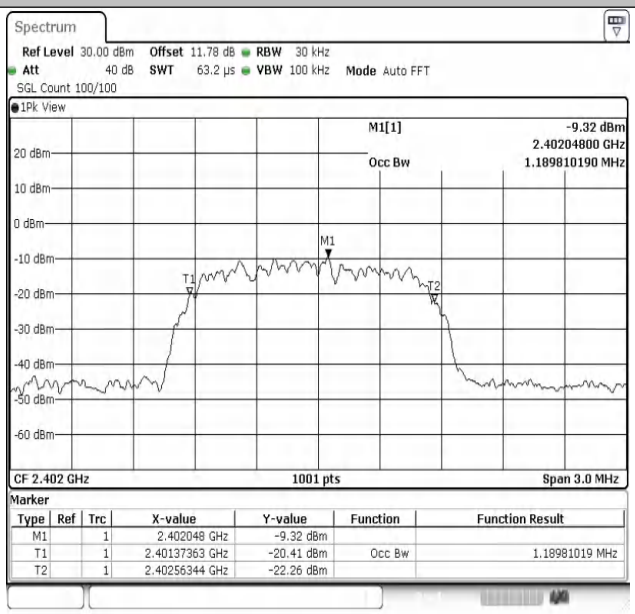
DH5-Ant1-2402



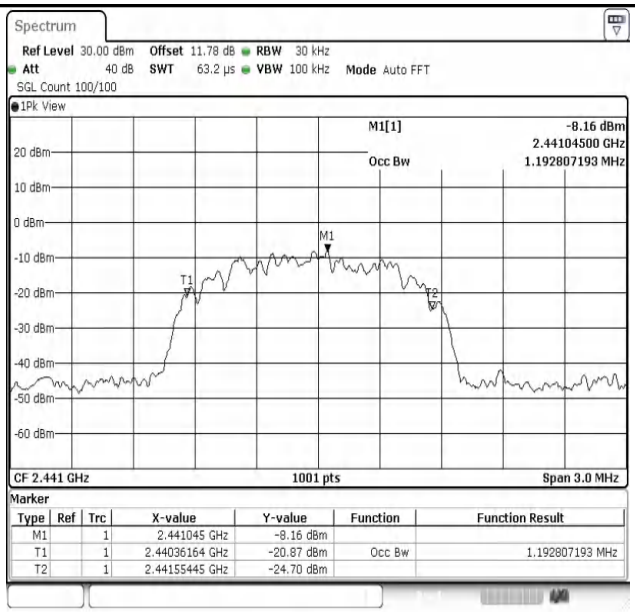
DH5-Ant1-2441



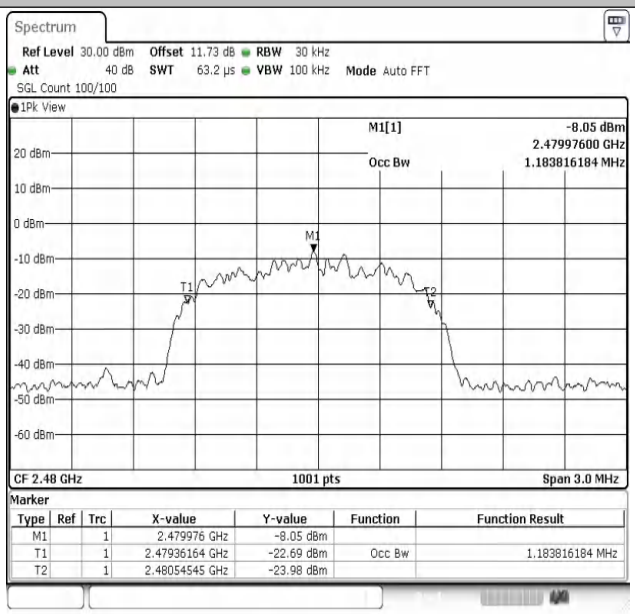
DH5-Ant1-2480



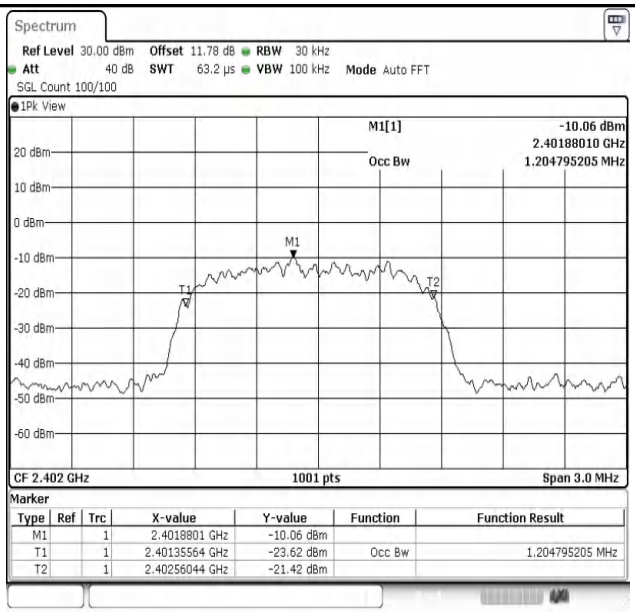
2DH5-Ant1-2402



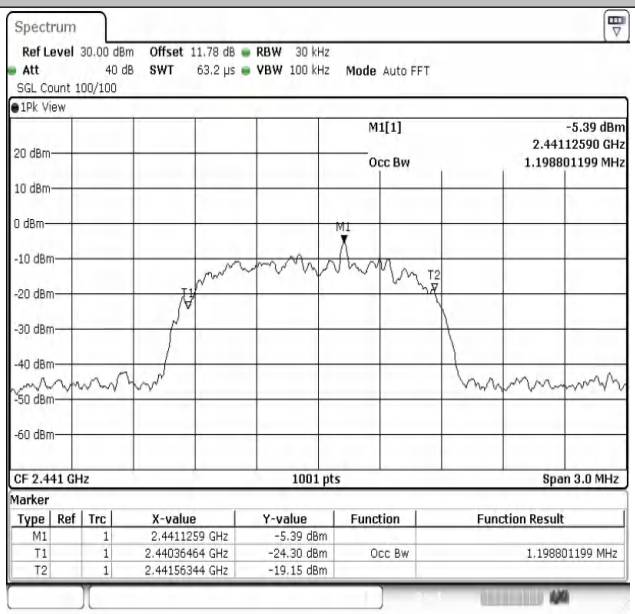
2DH5-Ant1-2441



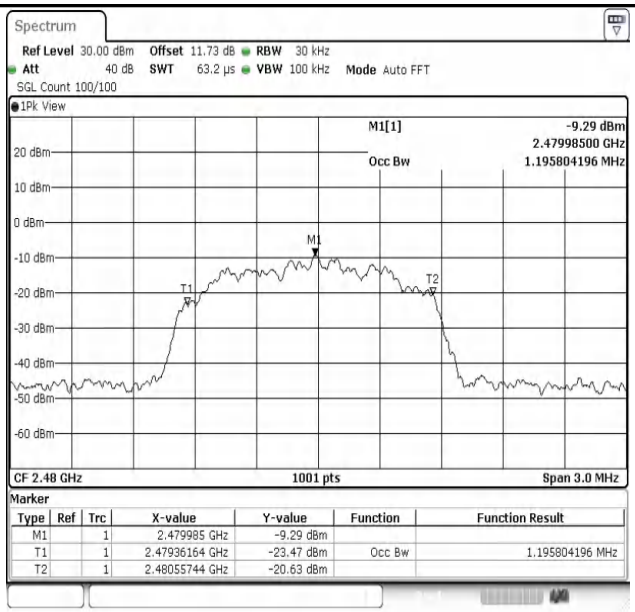
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



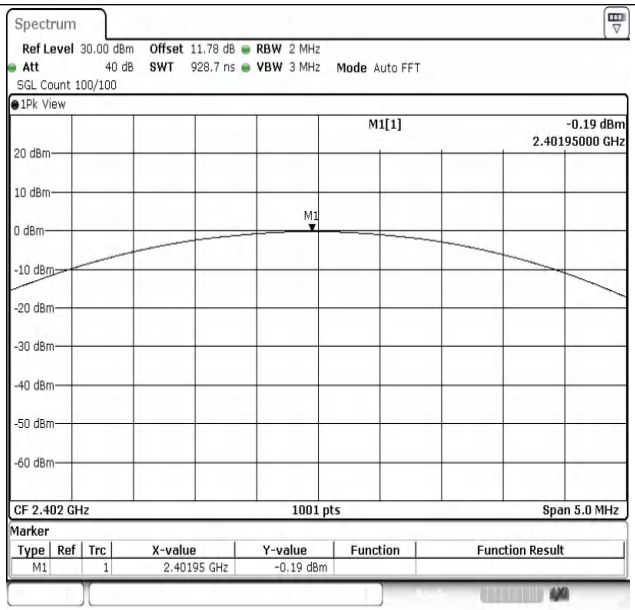
3DH5-Ant1-2480

Appendix C: Maximum conducted output power

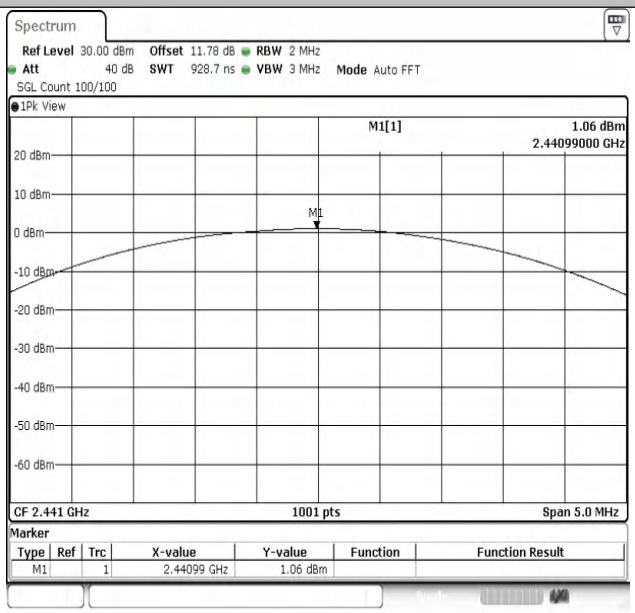
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.19	≤20.97	PASS
DH5	Ant1	2441	**1.06**	≤20.97	PASS
DH5	Ant1	2480	-0.53	≤20.97	PASS
2DH5	Ant1	2402	-1.53	≤20.97	PASS
2DH5	Ant1	2441	-0.19	≤20.97	PASS
2DH5	Ant1	2480	-1.48	≤20.97	PASS
3DH5	Ant1	2402	-1.75	≤20.97	PASS
3DH5	Ant1	2441	0.04	≤20.97	PASS
3DH5	Ant1	2480	-2.16	≤20.97	PASS

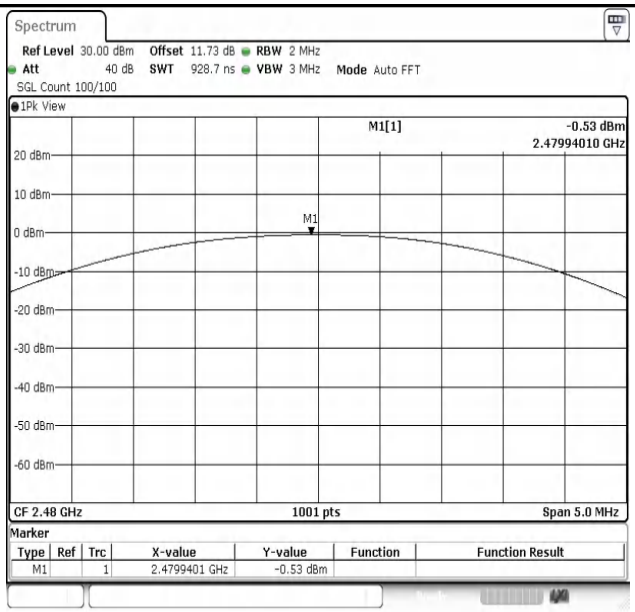
Test Graphs



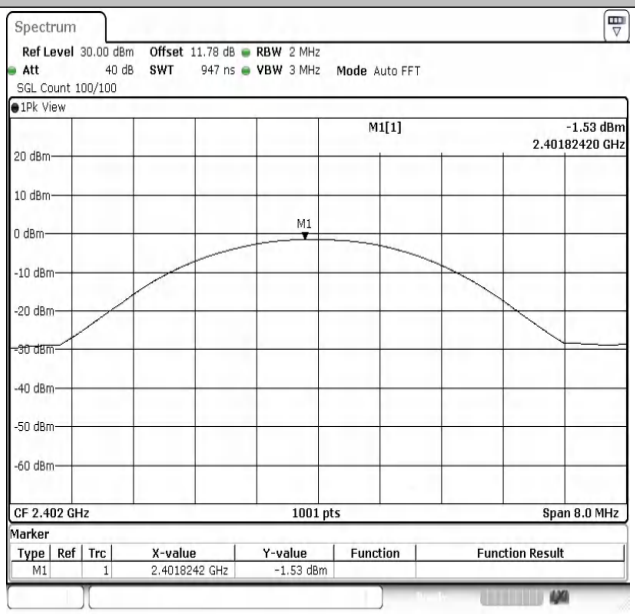
DH5-Ant1-2402-PASS



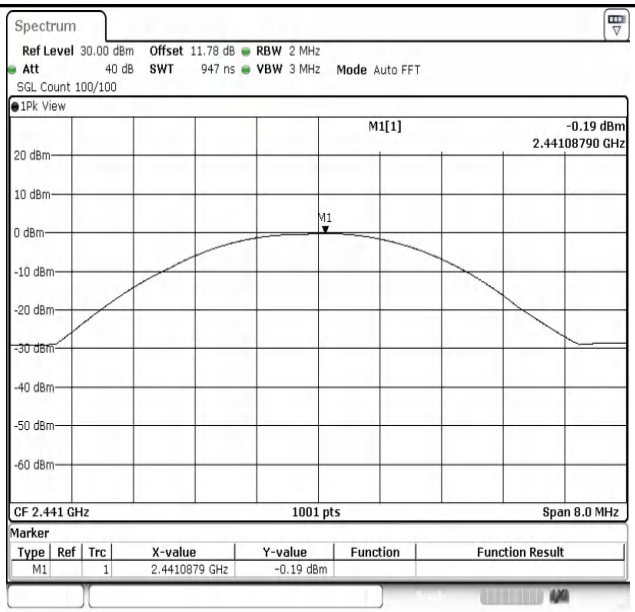
DH5-Ant1-2441-PASS



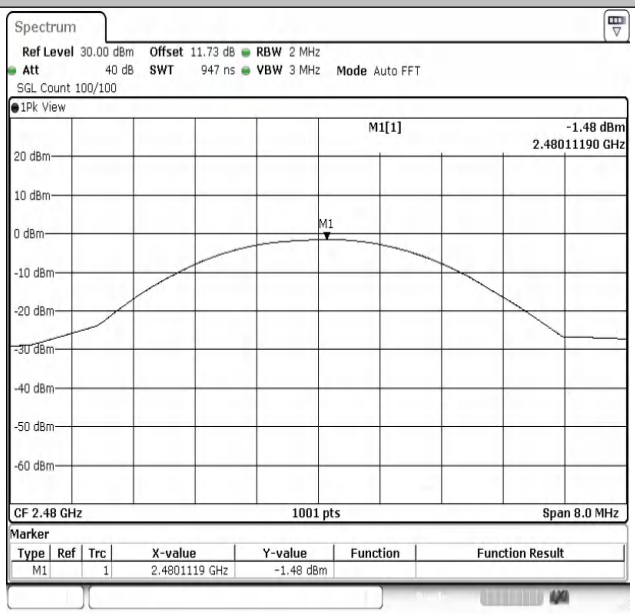
DH5-Ant1-2480-PASS



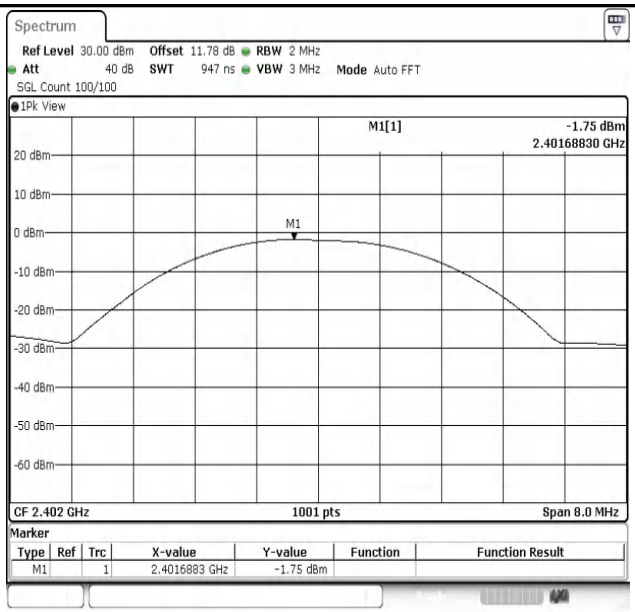
2DH5-Ant1-2402-PASS



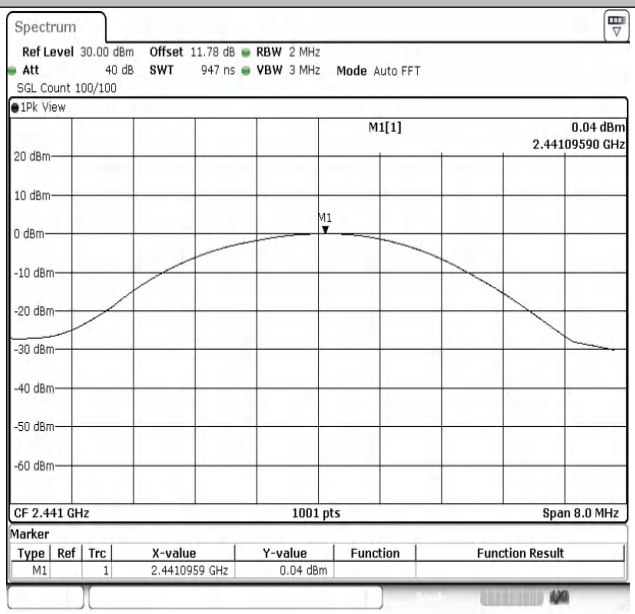
2DH5-Ant1-2441-PASS



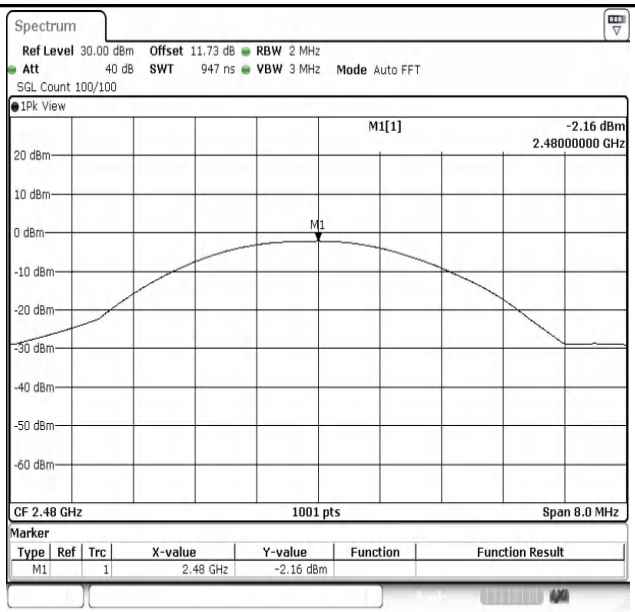
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



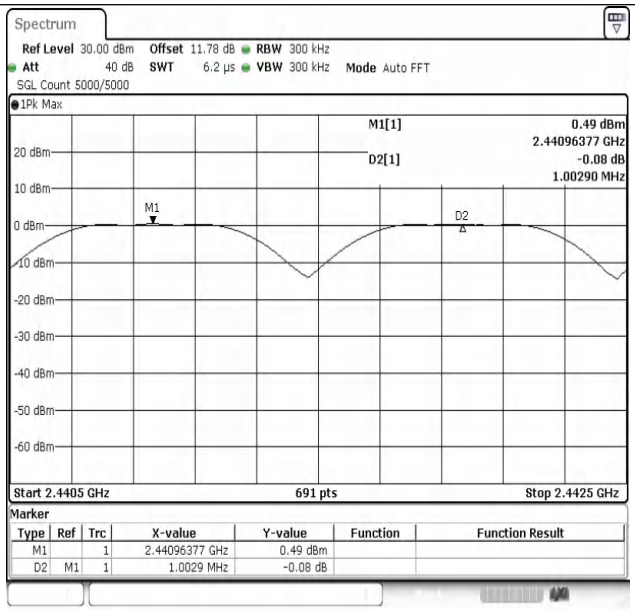
3DH5-Ant1-2480-PASS

Appendix D: Carrier frequency separation

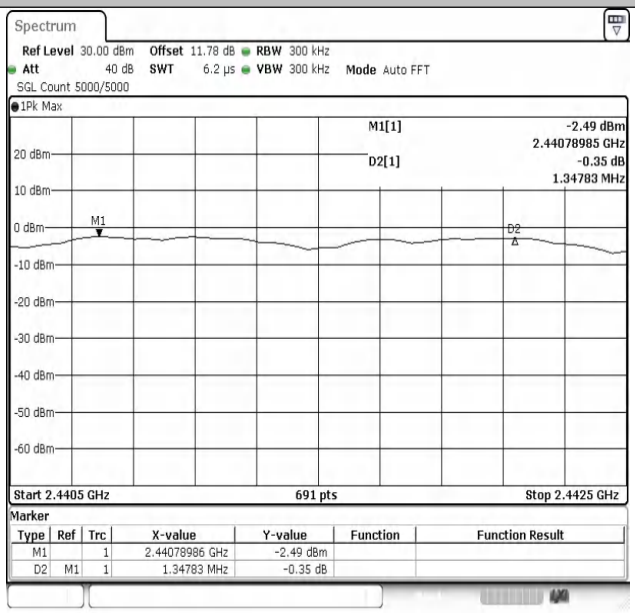
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.003	≥0.573	PASS
2DH5	Ant1	Hop	1.348	≥0.893	PASS
3DH5	Ant1	Hop	1.020	≥0.900	PASS

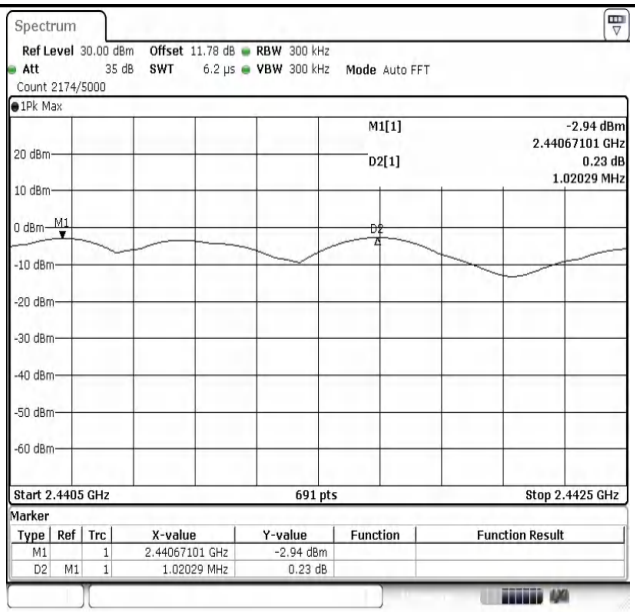
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



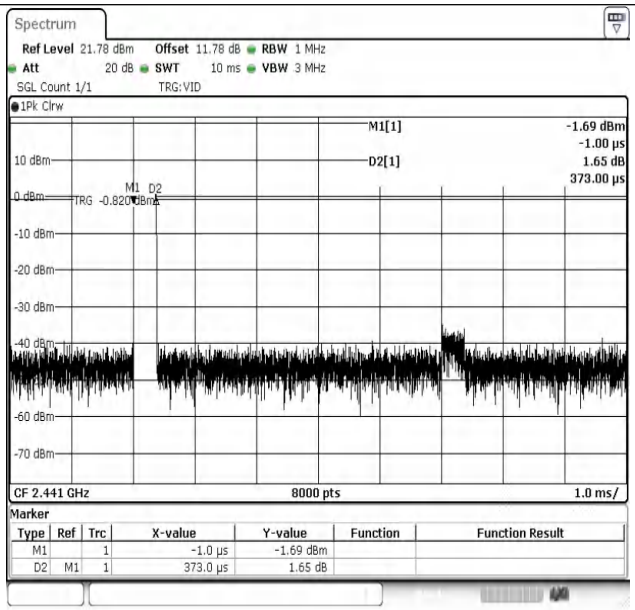
3DH5-Ant1-Hop-PASS

Appendix E: Time of occupancy

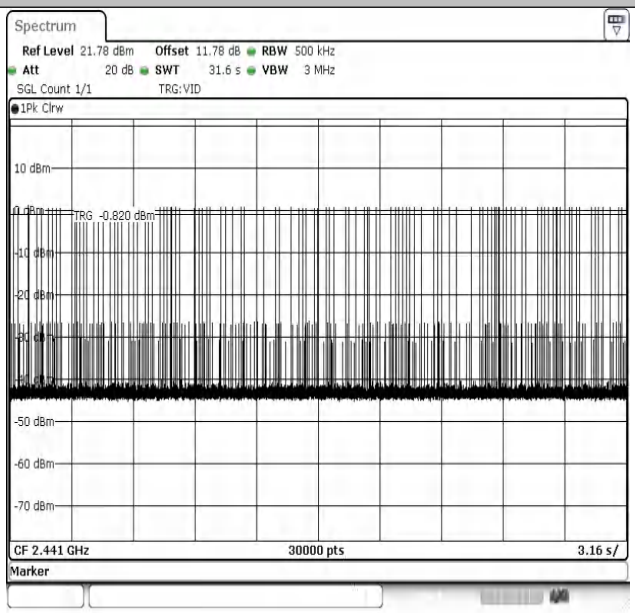
Test Result

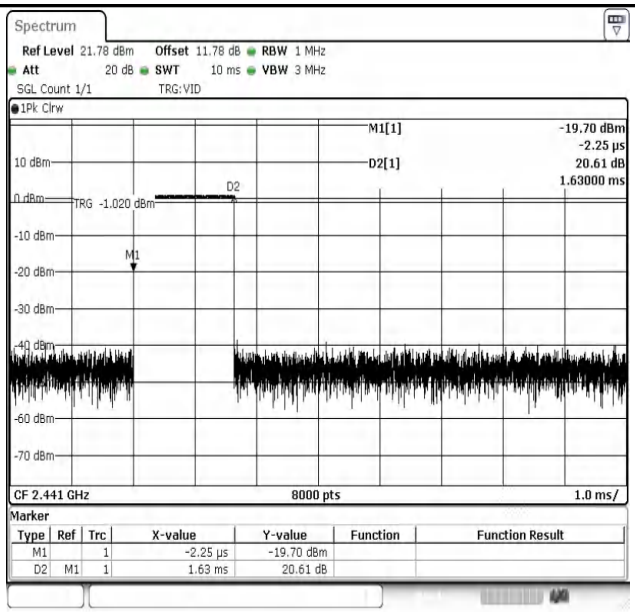
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.373	115	0.043	≤0.4	PASS
DH3	Ant1	Hop	1.630	60	0.098	≤0.4	PASS
DH5	Ant1	Hop	2.878	45	0.13	≤0.4	PASS
2DH1	Ant1	Hop	0.383	119	0.046	≤0.4	PASS
2DH3	Ant1	Hop	1.634	58	0.095	≤0.4	PASS
2DH5	Ant1	Hop	2.882	47	0.135	≤0.4	PASS
3DH1	Ant1	Hop	0.383	128	0.049	≤0.4	PASS
3DH3	Ant1	Hop	1.633	53	0.087	≤0.4	PASS
3DH5	Ant1	Hop	2.884	38	0.11	≤0.4	PASS

Test Graphs

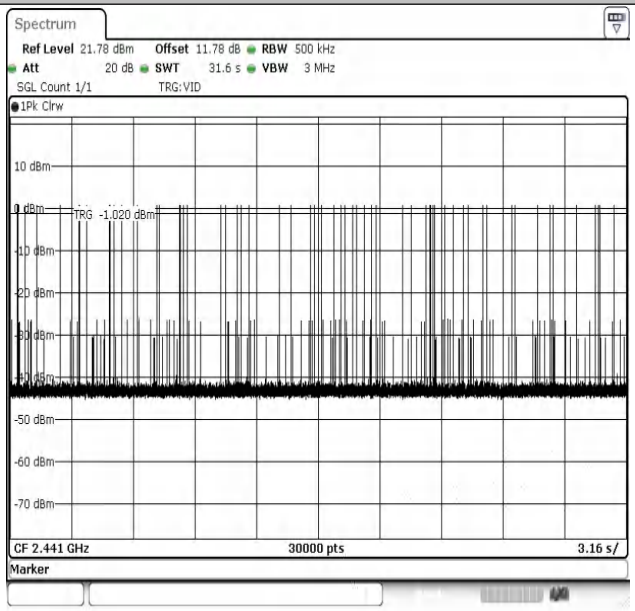


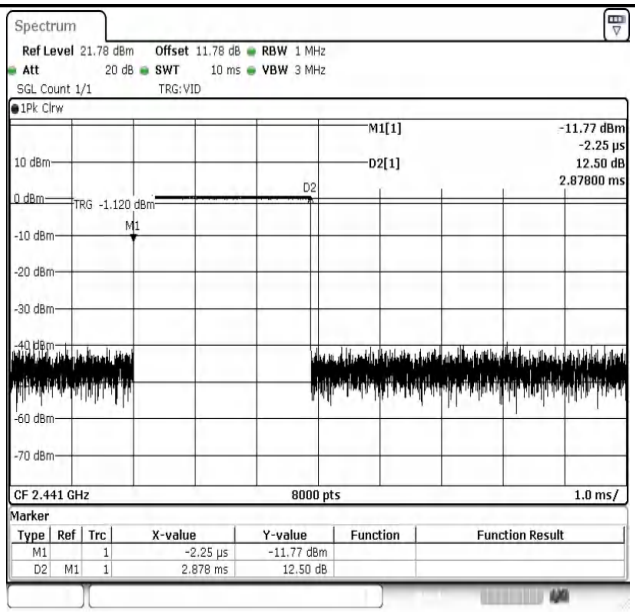
DH1-Ant1-Hop-PASS



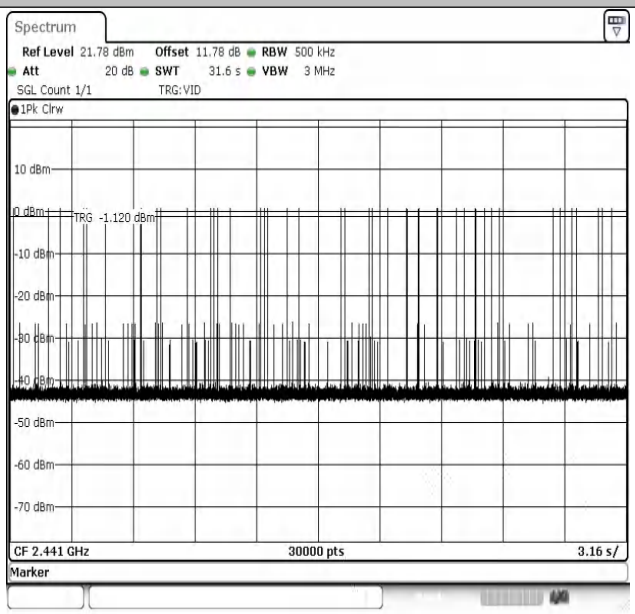


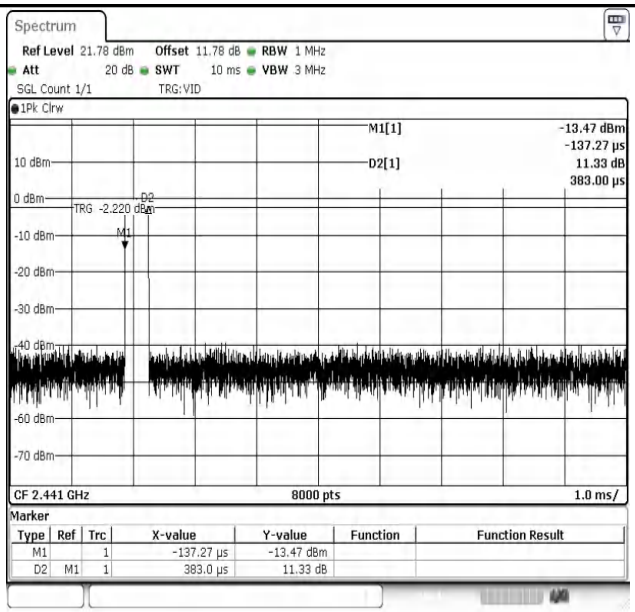
DH3-Ant1-Hop-PASS



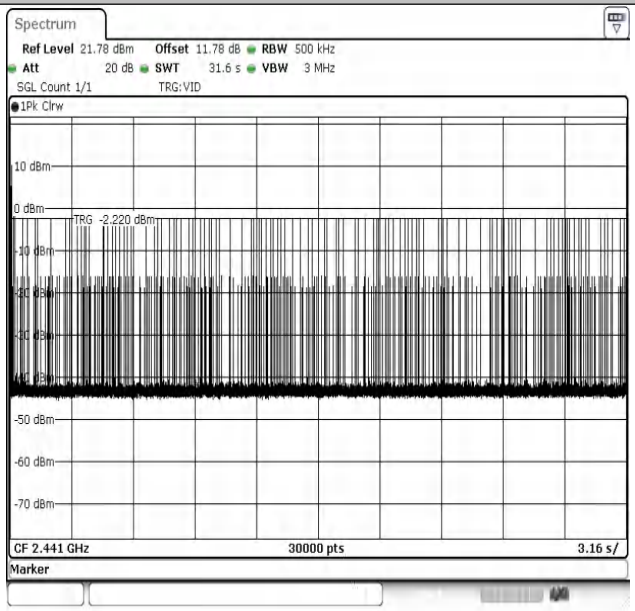


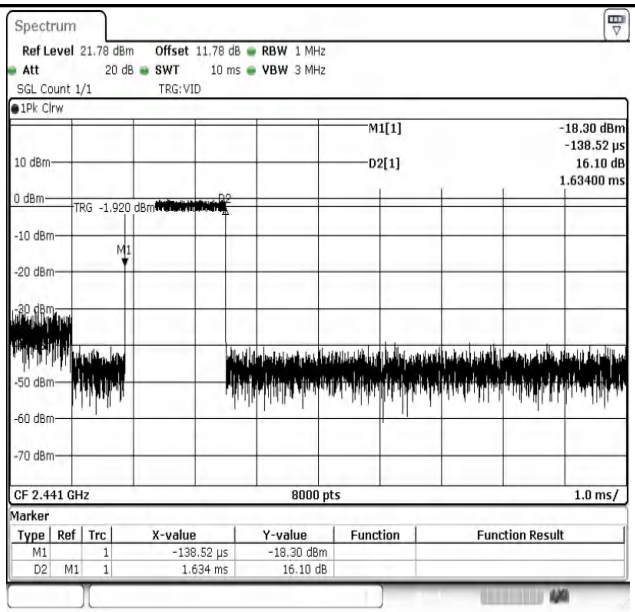
DH5-Ant1-Hop-PASS



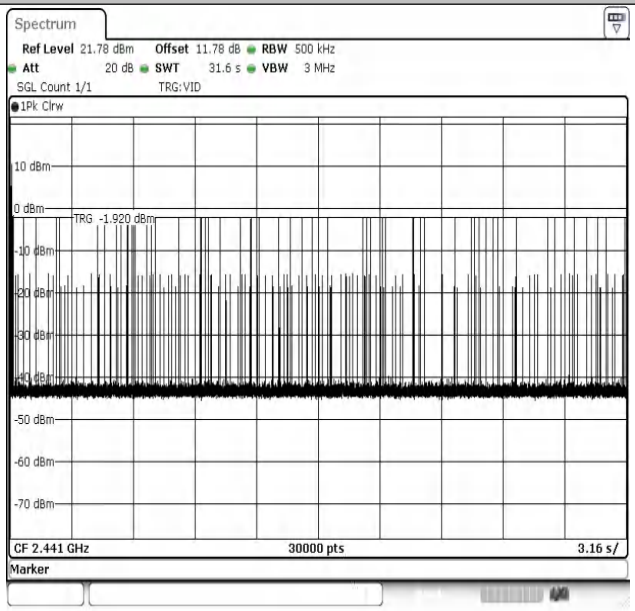


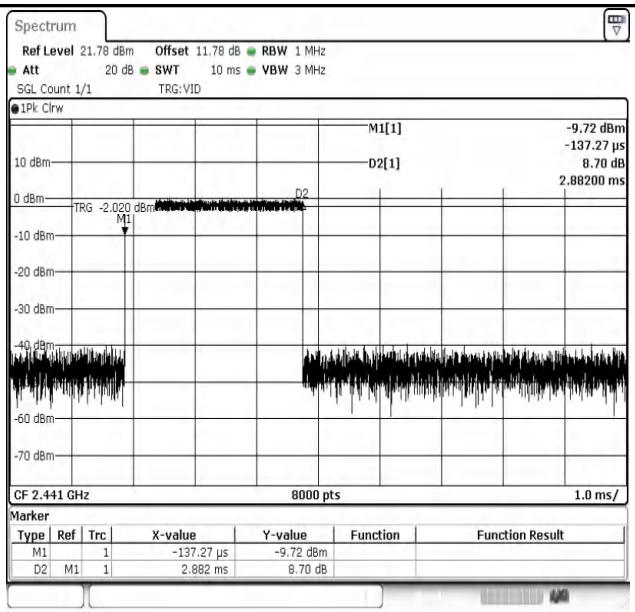
2DH1-Ant1-Hop-PASS



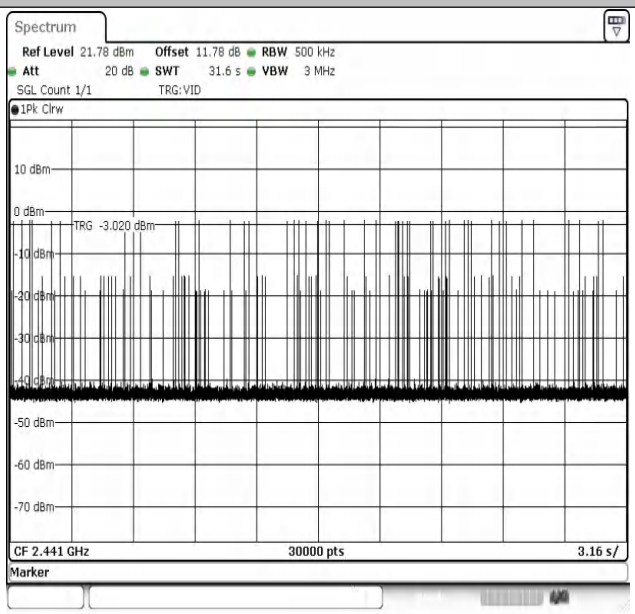


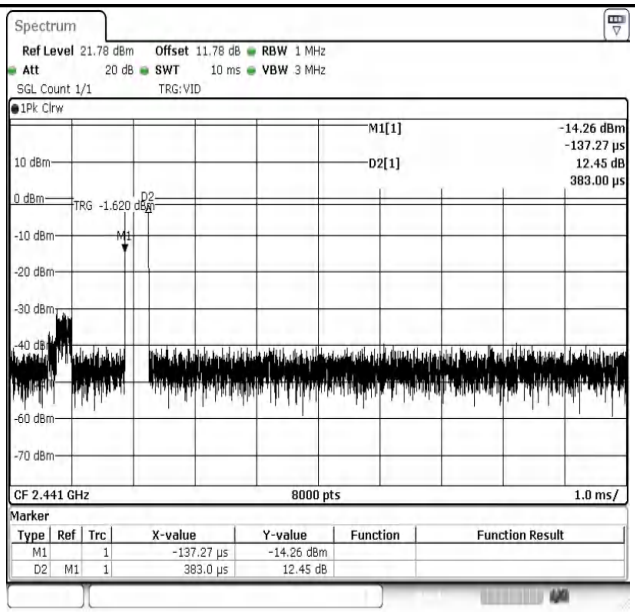
2DH3-Ant1-Hop-PASS



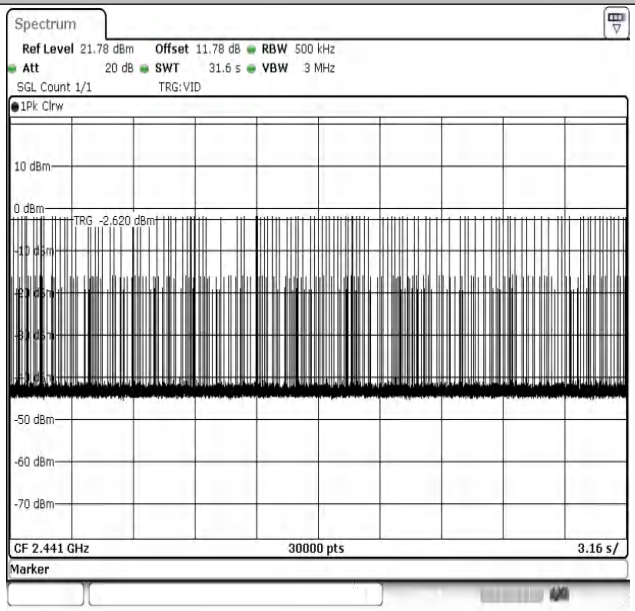


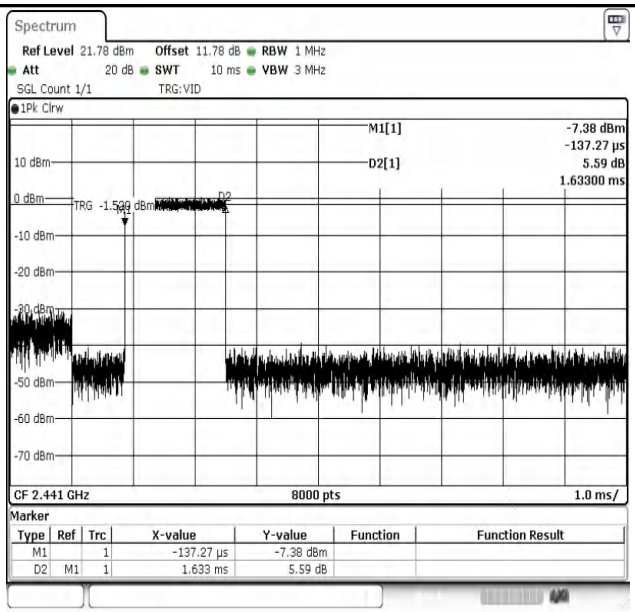
2DH5-Ant1-Hop-PASS



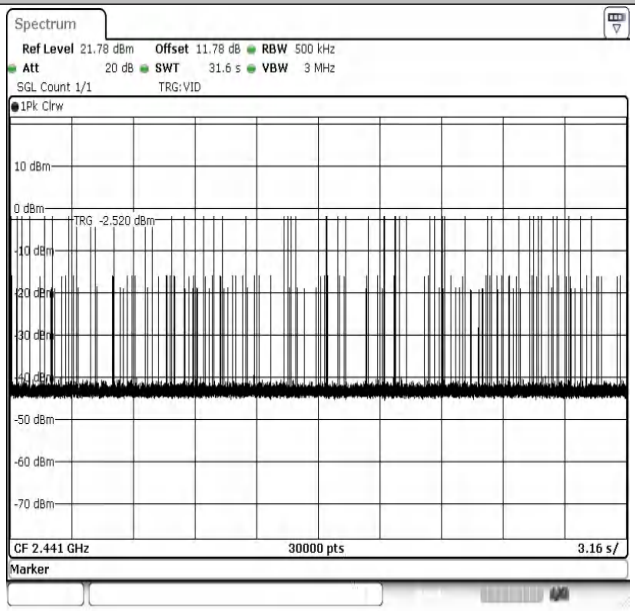


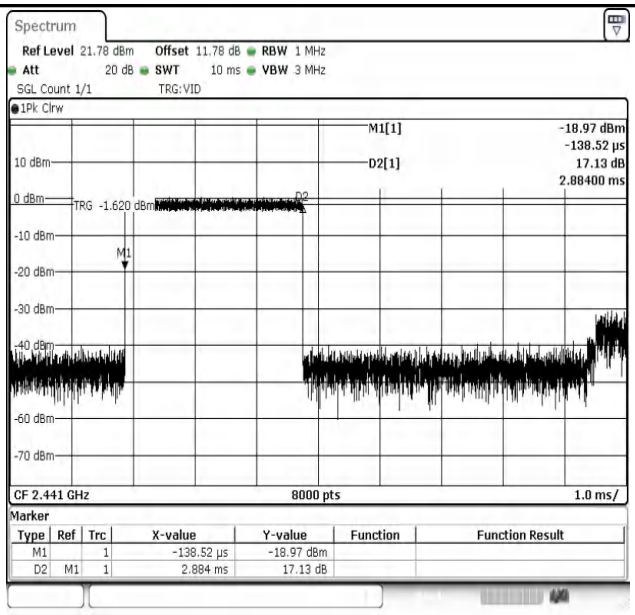
3DH1-Ant1-Hop-PASS



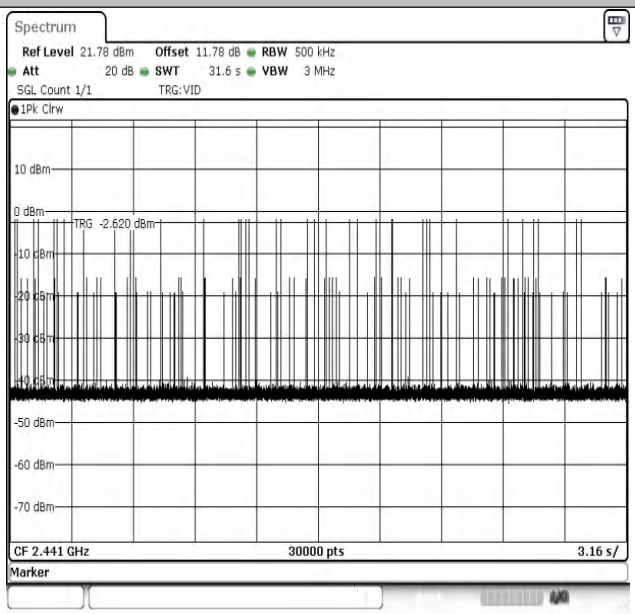


3DH3-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS

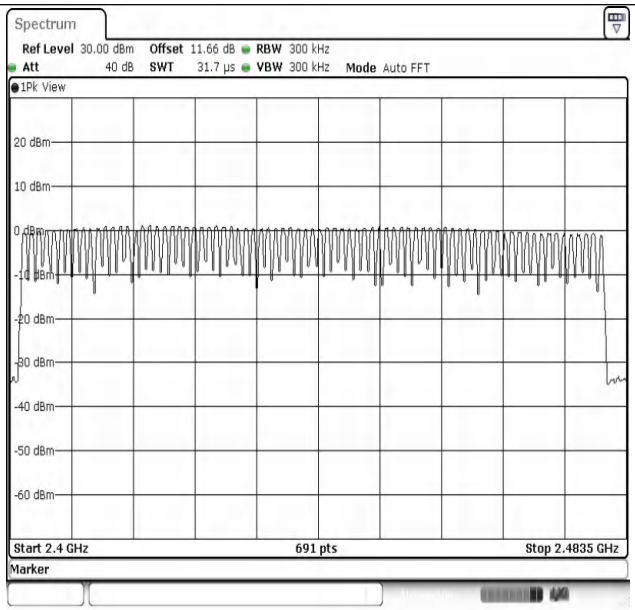


Appendix F: Number of hopping channels

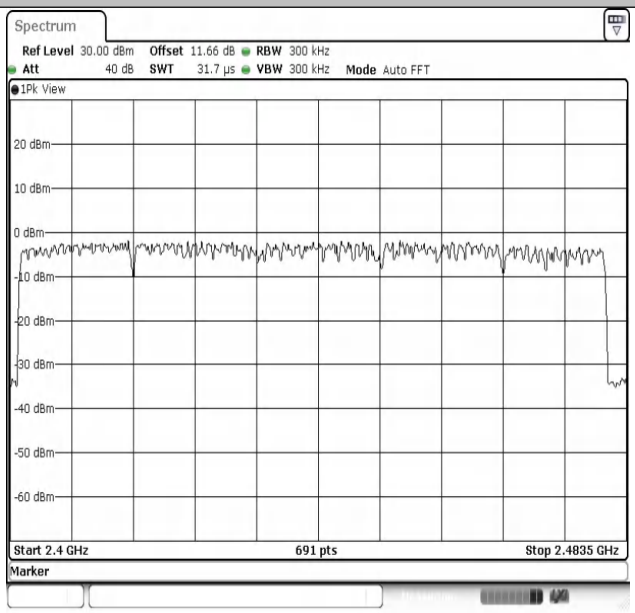
Test Result

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

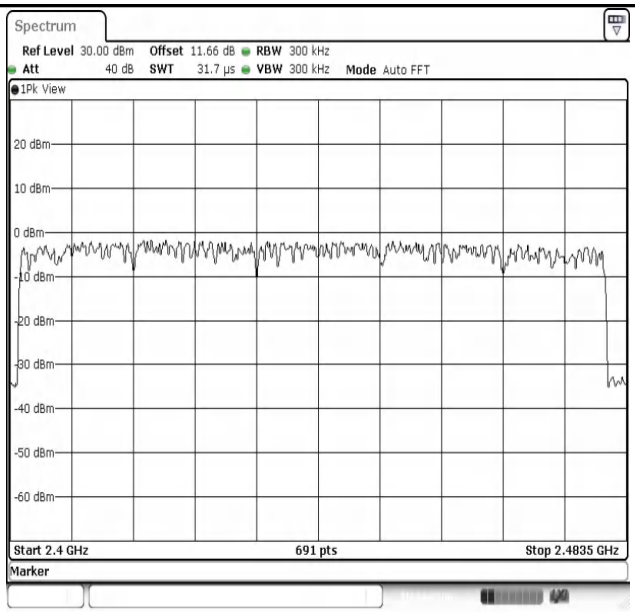
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



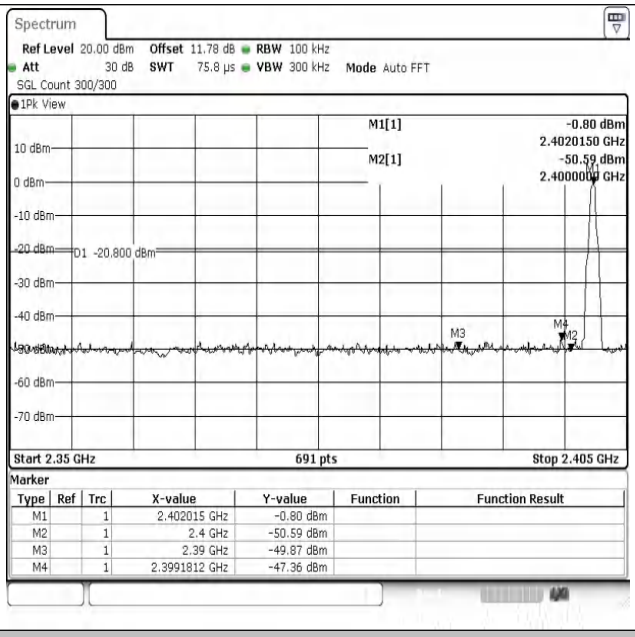
3DH5-Ant1-Hop-PASS

Appendix G: Band edge measurements

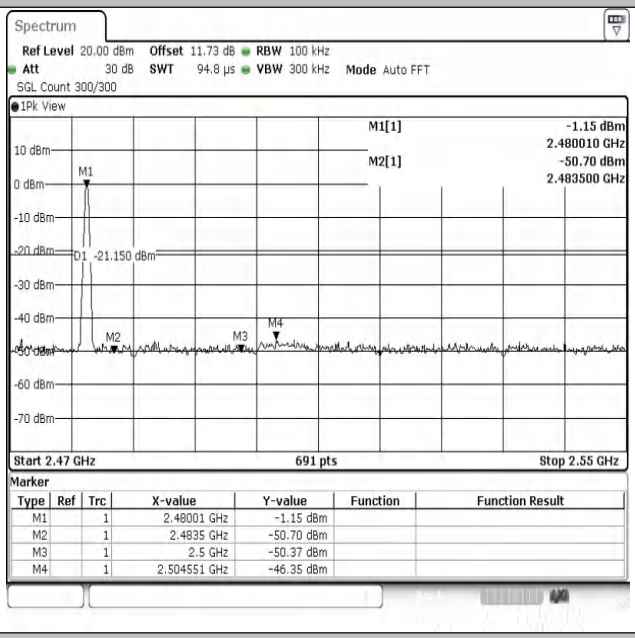
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.80	-47.36	≤-20.8	PASS
DH5	Ant1	High	2480	-1.15	-46.35	≤-21.15	PASS
DH5	Ant1	Low	Hop_2402	-1.11	-46.73	≤-21.11	PASS
DH5	Ant1	High	Hop_2480	-1.28	-45.75	≤-21.28	PASS
2DH5	Ant1	Low	2402	-4.71	-47.13	≤-24.71	PASS
2DH5	Ant1	High	2480	-4.18	-46.05	≤-24.18	PASS
2DH5	Ant1	Low	Hop_2402	-5.09	-47.54	≤-25.09	PASS
2DH5	Ant1	High	Hop_2480	-6.74	-45.94	≤-26.74	PASS
3DH5	Ant1	Low	2402	-4.40	-47.01	≤-24.4	PASS
3DH5	Ant1	High	2480	-4.69	-46.55	≤-24.69	PASS
3DH5	Ant1	Low	Hop_2402	-6.28	-47.07	≤-26.28	PASS
3DH5	Ant1	High	Hop_2480	-5.74	-45.67	≤-25.74	PASS

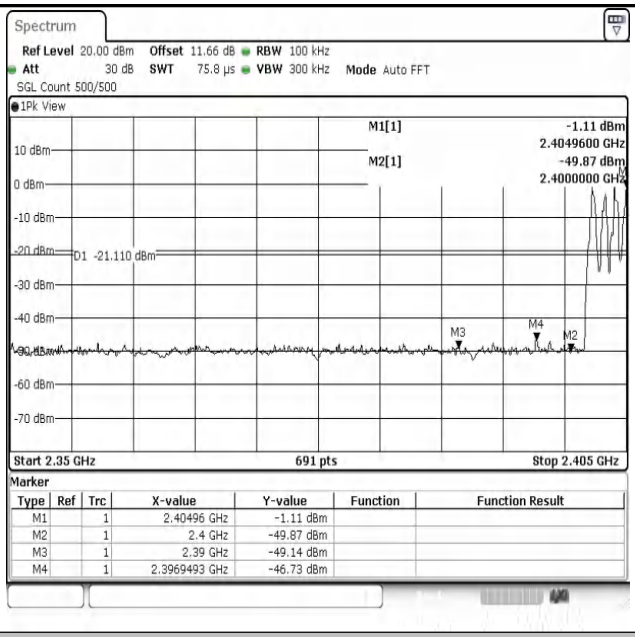
Test Graphs



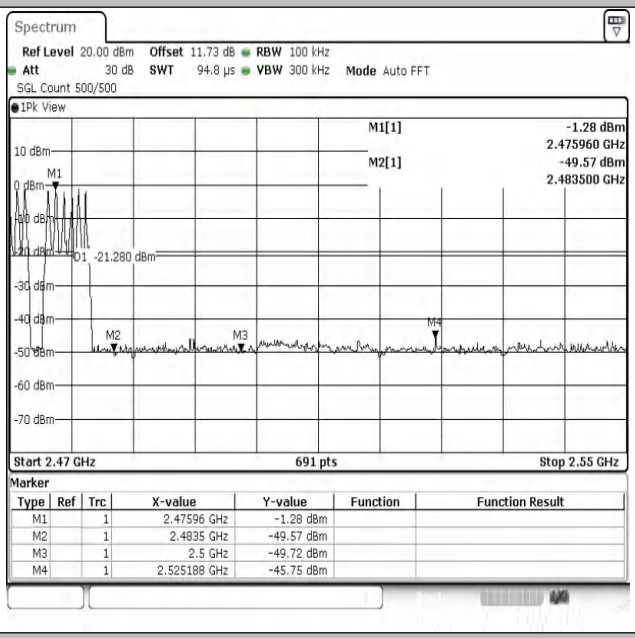
DH5-Ant1-2402-PASS



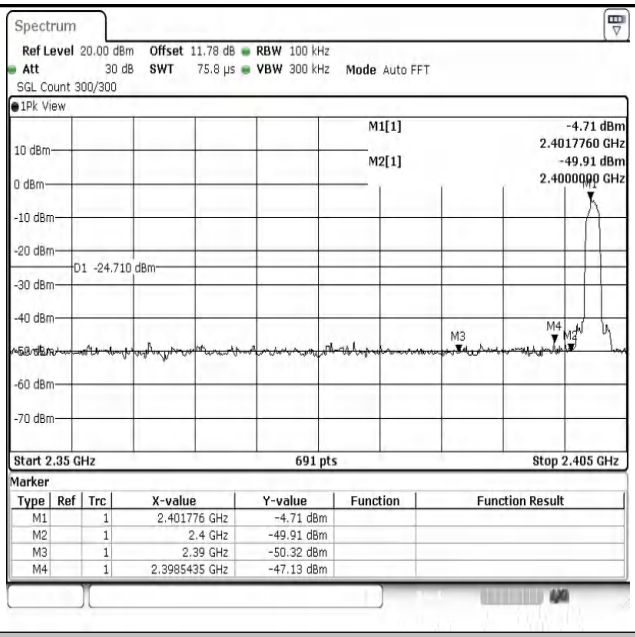
DH5-Ant1-2480-PASS



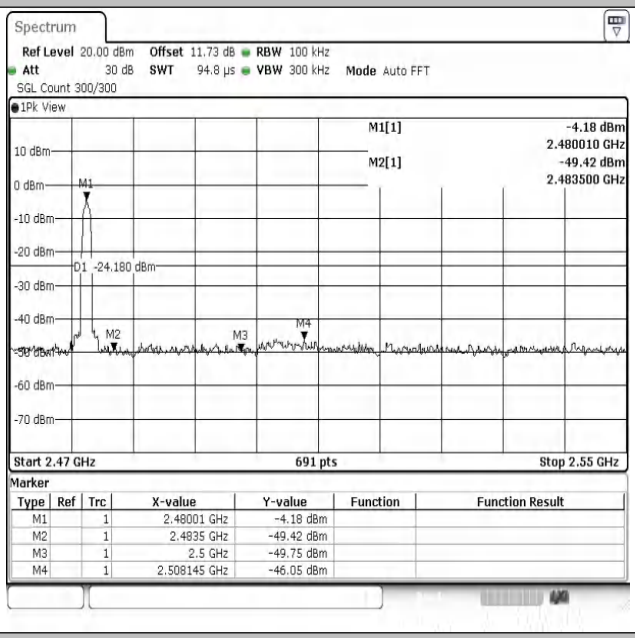
DH5-Ant1-Hop_2402-PASS



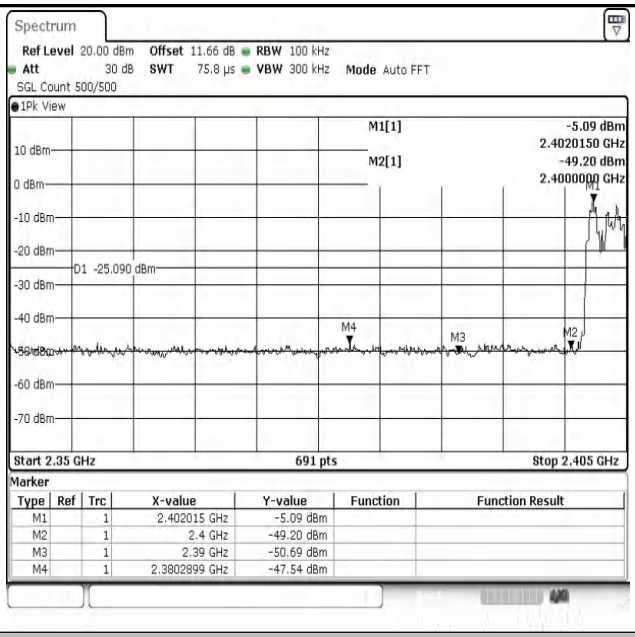
DH5-Ant1-Hop_2480-PASS



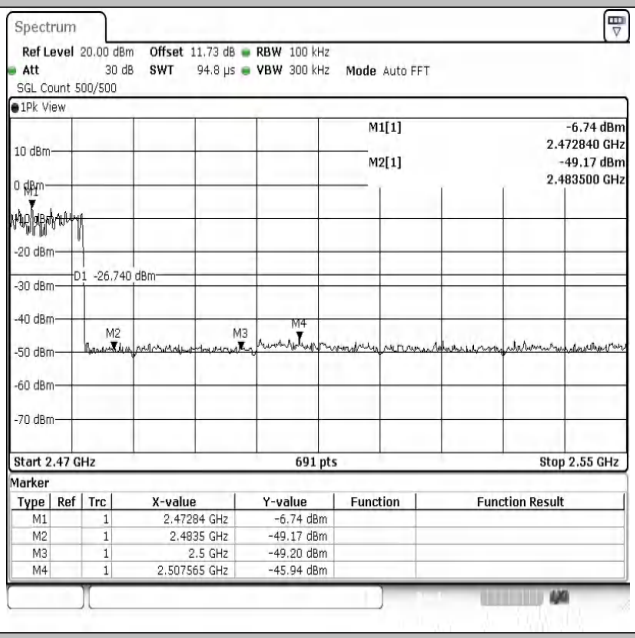
2DH5-Ant1-2402-PASS



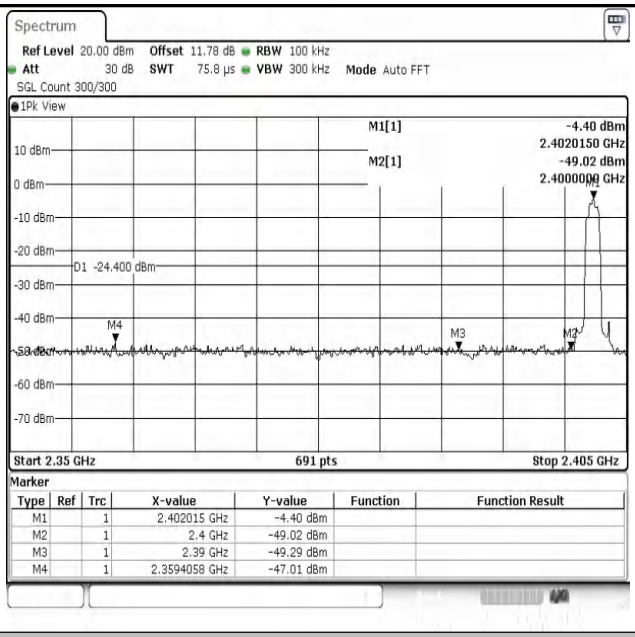
2DH5-Ant1-2480-PASS



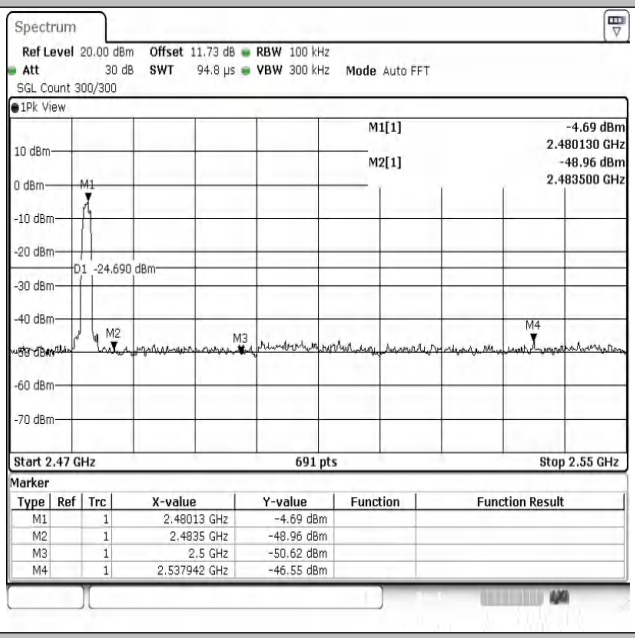
2DH5-Ant1-Hop_2402-PASS



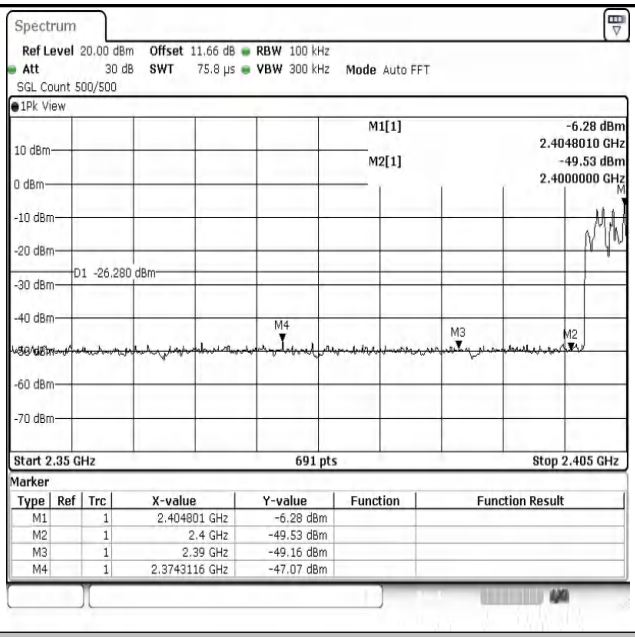
2DH5-Ant1-Hop_2480-PASS



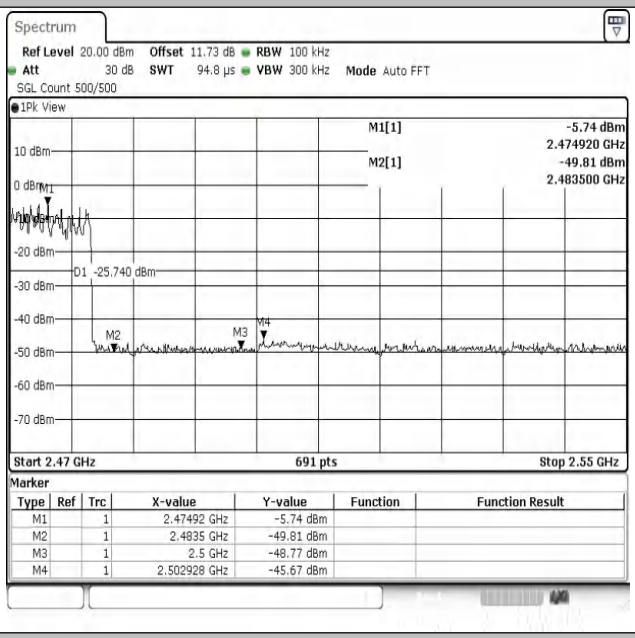
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



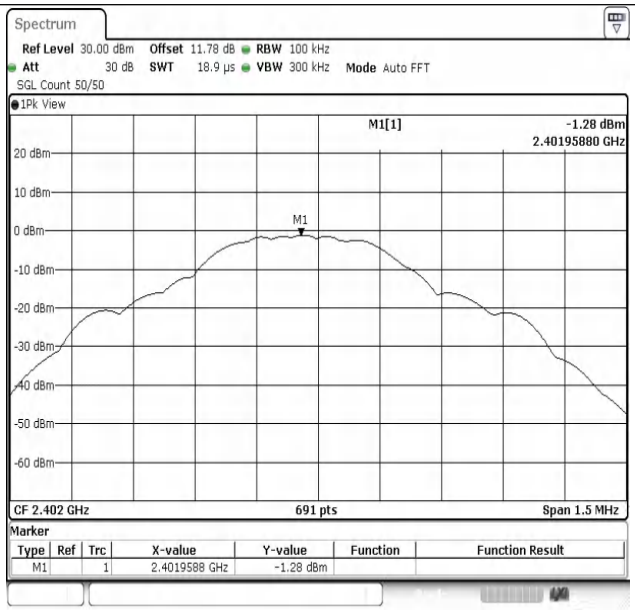
3DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

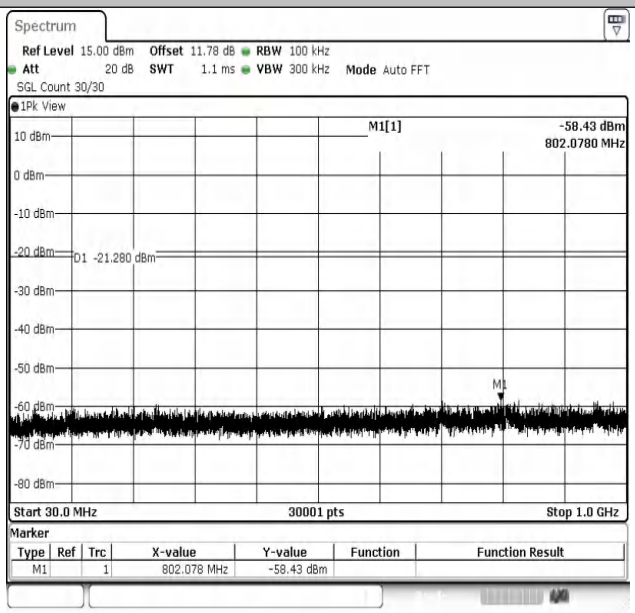
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.28	-1.28	---	PASS
DH5	Ant1	2402	30~1000	-1.28	-58.43	≤-21.28	PASS
DH5	Ant1	2402	1000~26500	-1.28	-44.04	≤-21.28	PASS
DH5	Ant1	2441	0~Reference	0.07	0.07	---	PASS
DH5	Ant1	2441	30~1000	0.07	-57.44	≤-19.93	PASS
DH5	Ant1	2441	1000~26500	0.07	-41.73	≤-19.93	PASS
DH5	Ant1	2480	0~Reference	-1.44	-1.44	---	PASS
DH5	Ant1	2480	30~1000	-1.44	-57.98	≤-21.44	PASS
DH5	Ant1	2480	1000~26500	-1.44	-44.34	≤-21.44	PASS
2DH5	Ant1	2402	0~Reference	-6.23	-6.23	---	PASS
2DH5	Ant1	2402	30~1000	-6.23	-58.1	≤-26.23	PASS
2DH5	Ant1	2402	1000~26500	-6.23	-43.41	≤-26.23	PASS
2DH5	Ant1	2441	0~Reference	-4.89	-4.89	---	PASS
2DH5	Ant1	2441	30~1000	-4.89	-56.97	≤-24.89	PASS
2DH5	Ant1	2441	1000~26500	-4.89	-43.89	≤-24.89	PASS
2DH5	Ant1	2480	0~Reference	-6.11	-6.11	---	PASS
2DH5	Ant1	2480	30~1000	-6.11	-58.3	≤-26.11	PASS
2DH5	Ant1	2480	1000~26500	-6.11	-44.18	≤-26.11	PASS
3DH5	Ant1	2402	0~Reference	-5.79	-5.79	---	PASS
3DH5	Ant1	2402	30~1000	-5.79	-57.74	≤-25.79	PASS
3DH5	Ant1	2402	1000~26500	-5.79	-44.4	≤-25.79	PASS
3DH5	Ant1	2441	0~Reference	-5.12	-5.12	---	PASS
3DH5	Ant1	2441	30~1000	-5.12	-57.71	≤-25.12	PASS
3DH5	Ant1	2441	1000~26500	-5.12	-44.22	≤-25.12	PASS
3DH5	Ant1	2480	0~Reference	-5.44	-5.44	---	PASS
3DH5	Ant1	2480	30~1000	-5.44	-57.66	≤-25.44	PASS
3DH5	Ant1	2480	1000~26500	-5.44	-43.69	≤-25.44	PASS

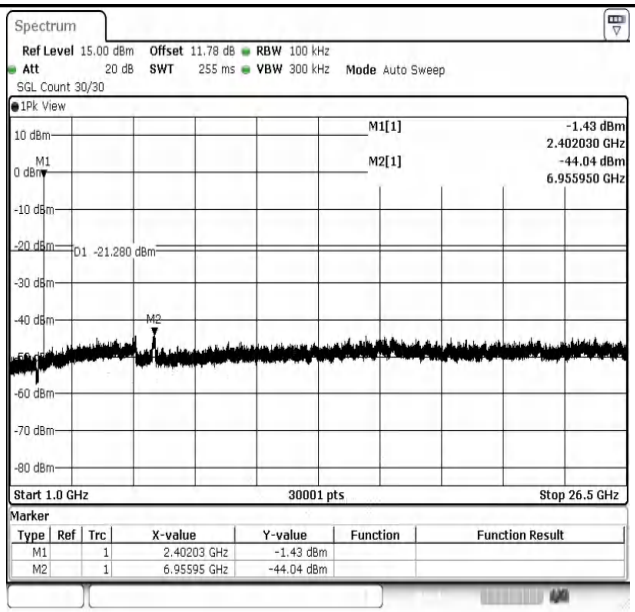
Test Graphs



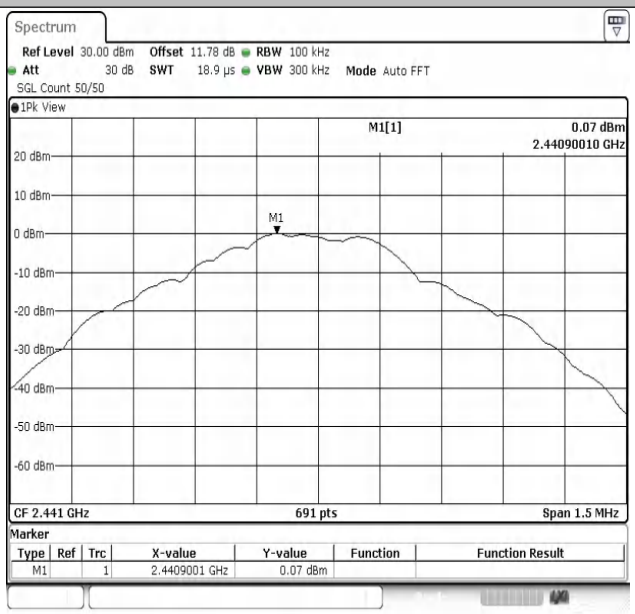
DH5-Ant1-2402-0~Reference-PASS



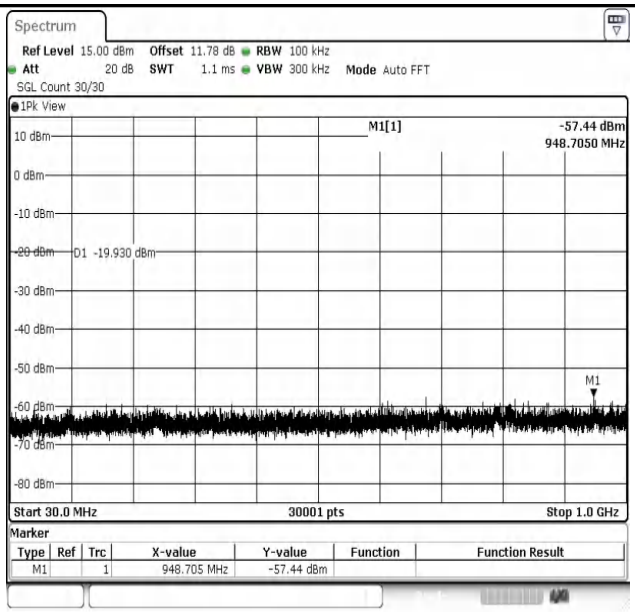
DH5-Ant1-2402-30~1000-PASS



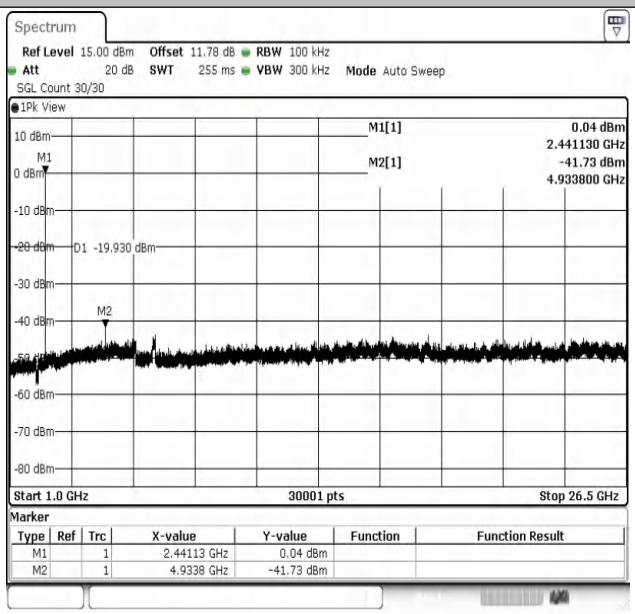
DH5-Ant1-2402-1000~26500-PASS



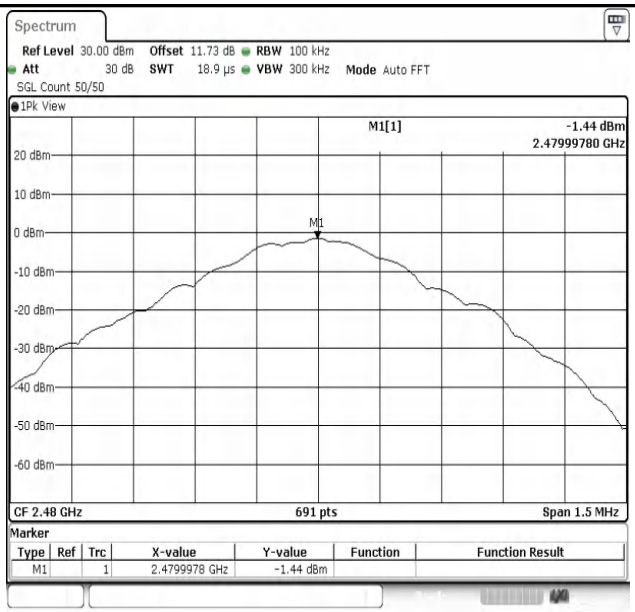
DH5-Ant1-2441-0~Reference-PASS



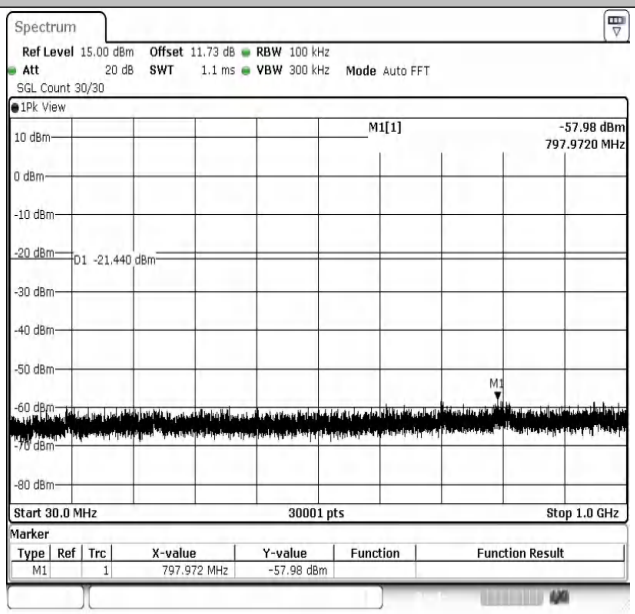
DH5-Ant1-2441-30~1000-PASS



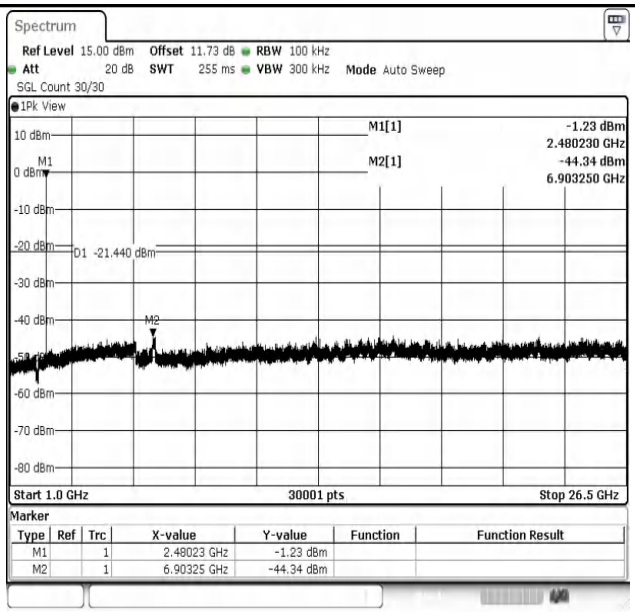
DH5-Ant1-2441-1000~26500-PASS



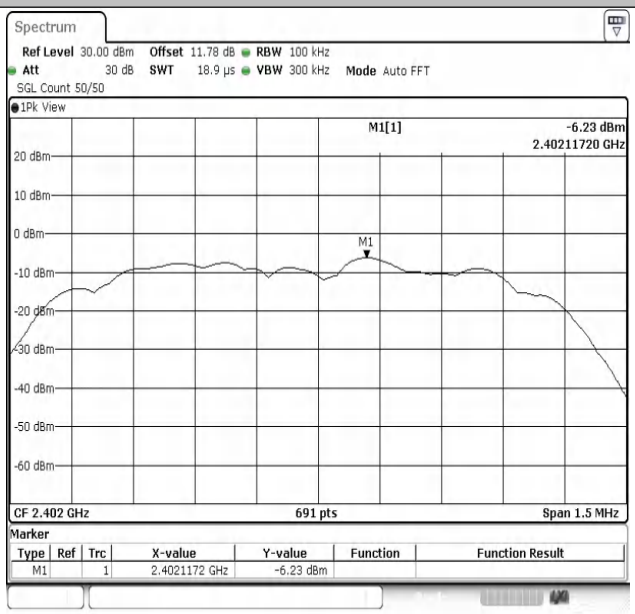
DH5-Ant1-2480-0~Reference-PASS



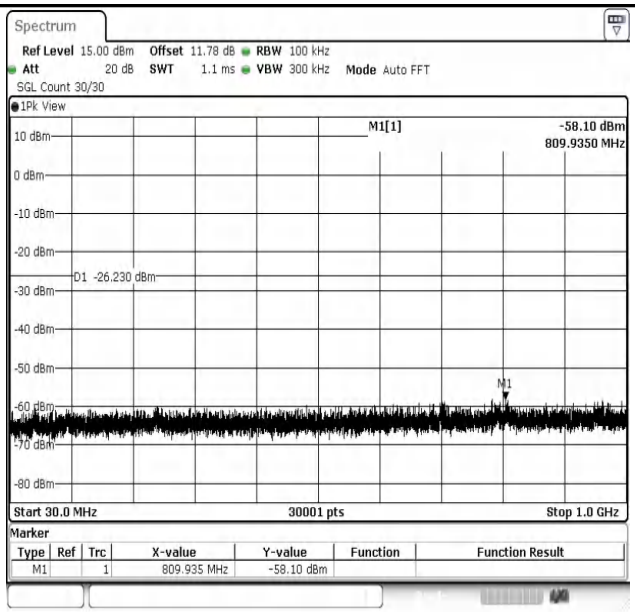
DH5-Ant1-2480-30~1000-PASS



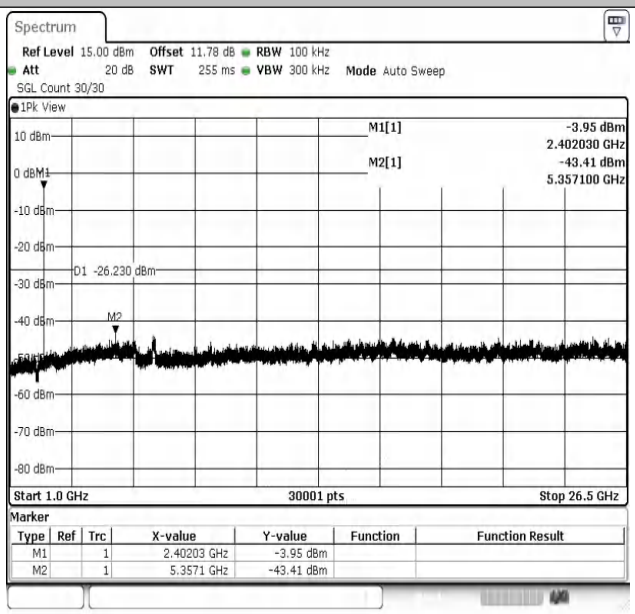
DH5-Ant1-2480-1000~26500-PASS



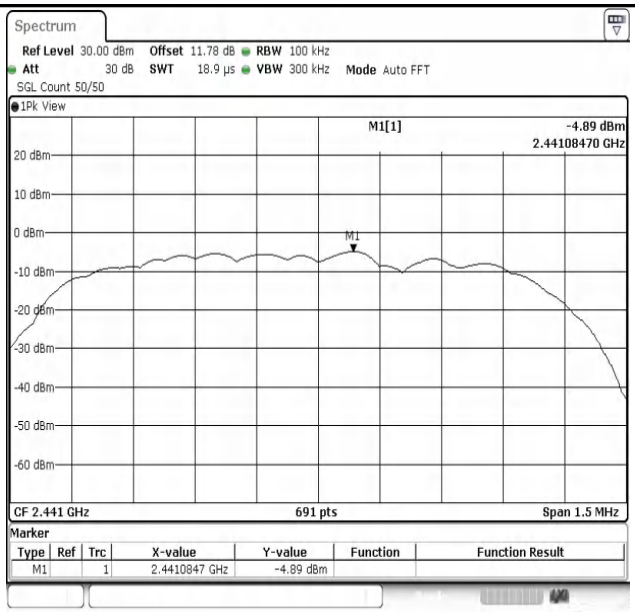
2DH5-Ant1-2402-0~Reference-PASS



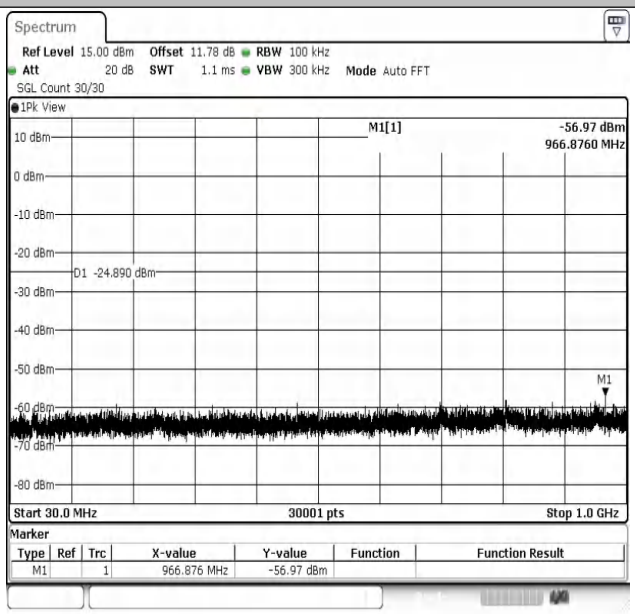
2DH5-Ant1-2402-30~1000-PASS



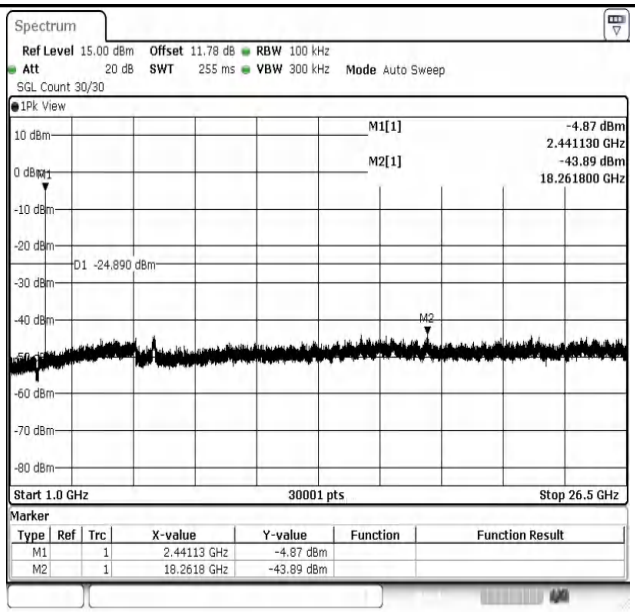
2DH5-Ant1-2402-1000~26500-PASS



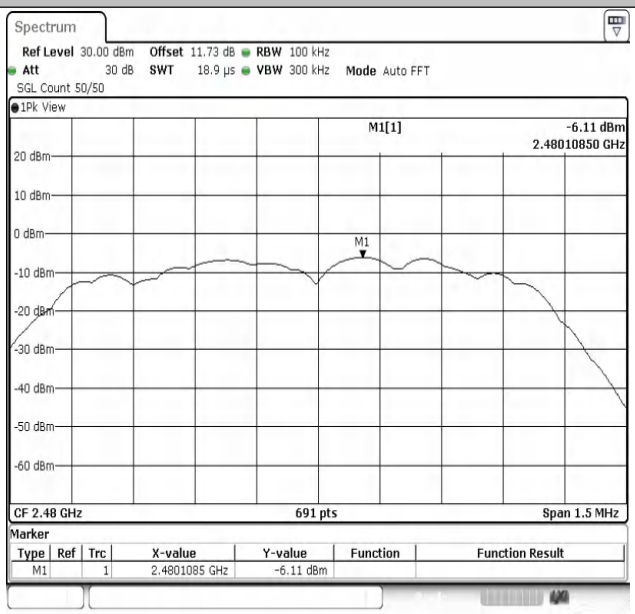
2DH5-Ant1-2441-0~Reference-PASS



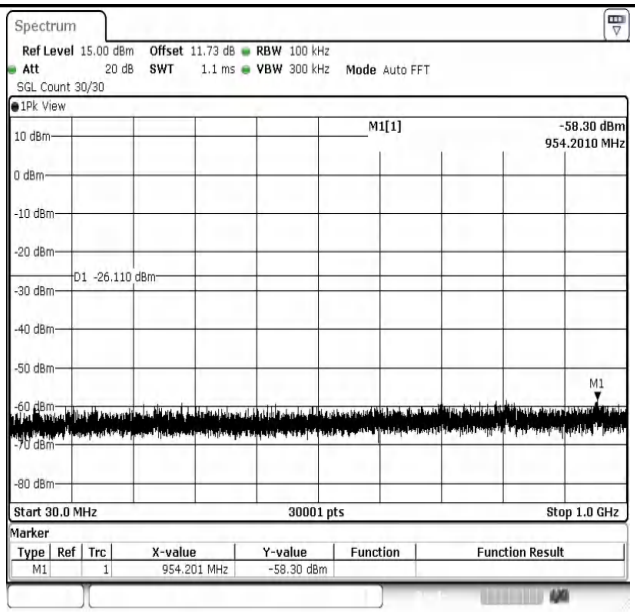
2DH5-Ant1-2441-30~1000-PASS



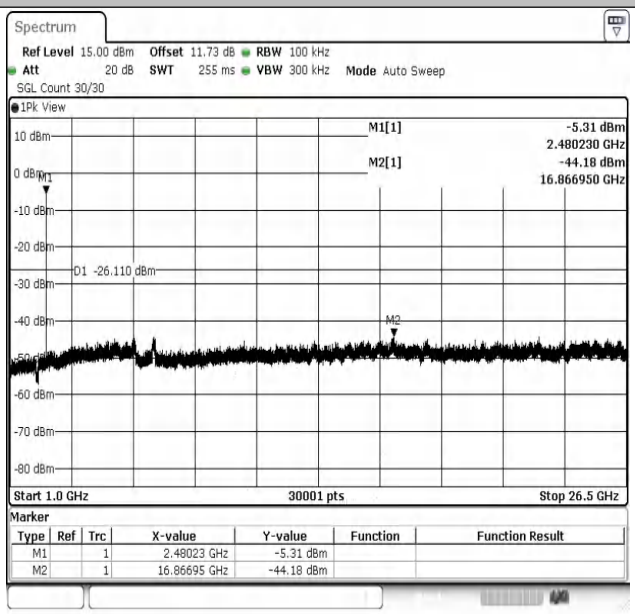
2DH5-Ant1-2441-1000~26500-PASS



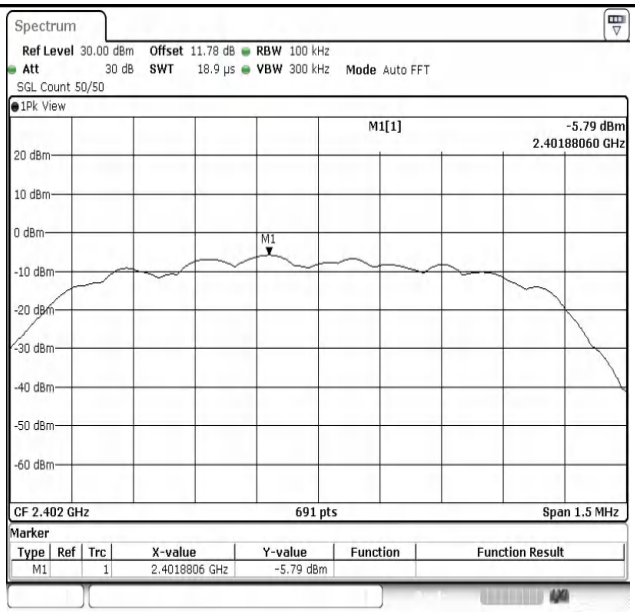
2DH5-Ant1-2480-0~Reference-PASS



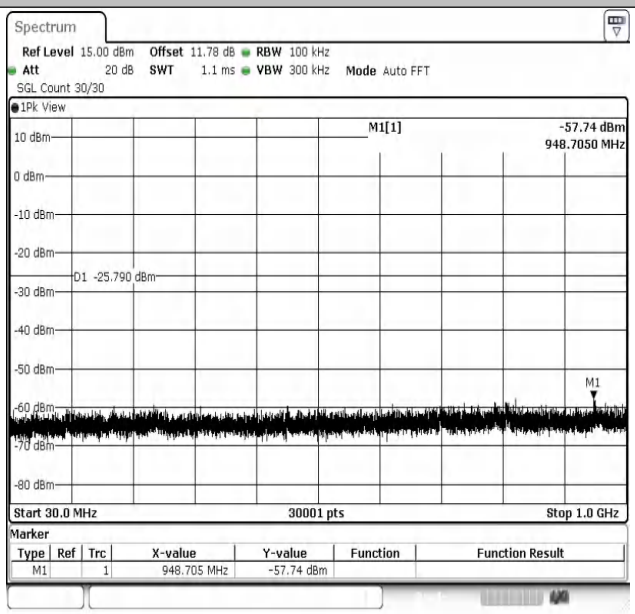
2DH5-Ant1-2480-30~1000-PASS



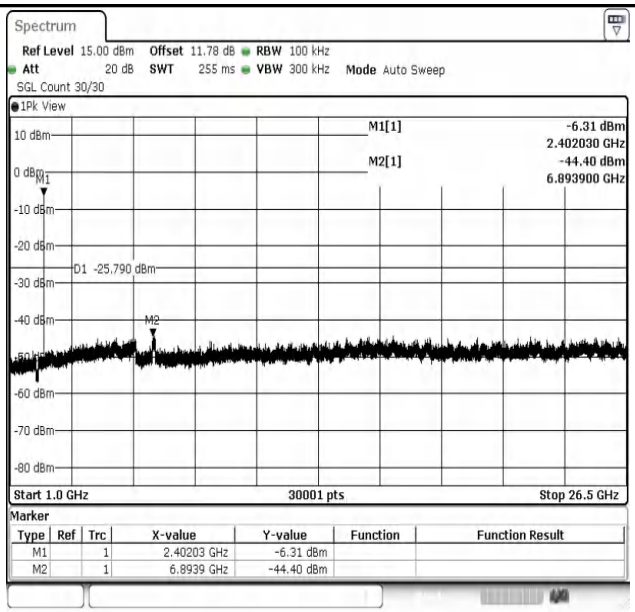
2DH5-Ant1-2480-1000~26500-PASS



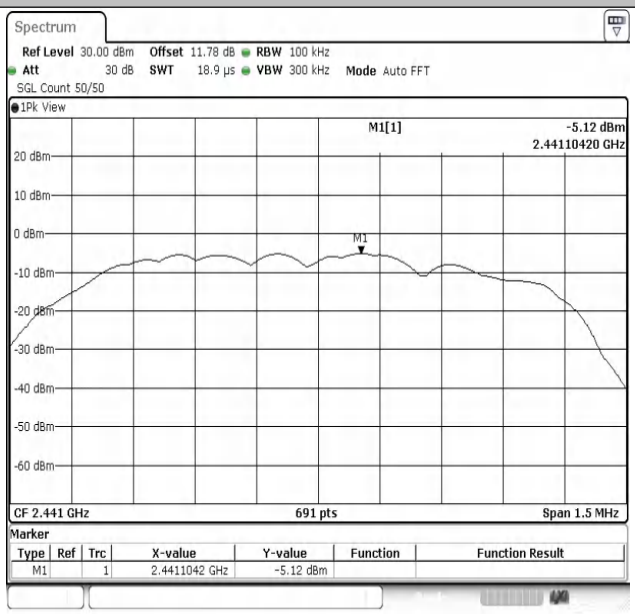
3DH5-Ant1-2402-0~Reference-PASS



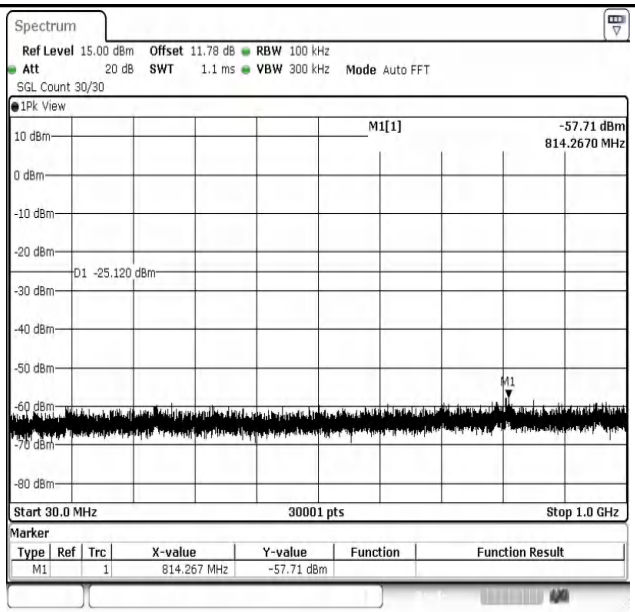
3DH5-Ant1-2402-30~1000-PASS



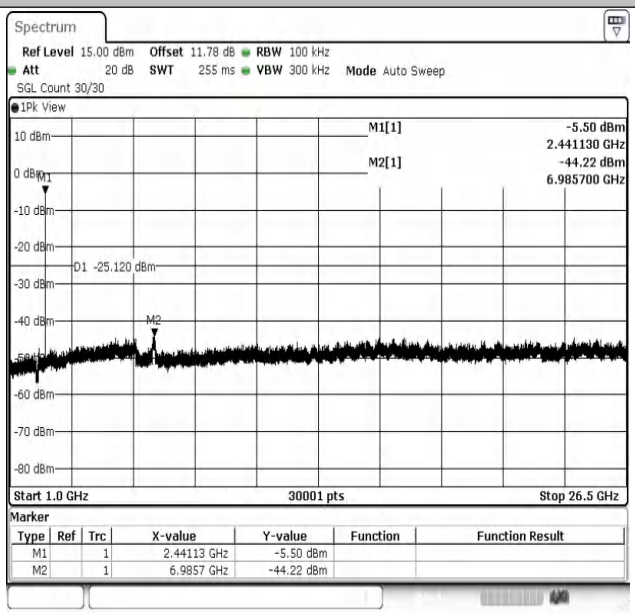
3DH5-Ant1-2402-1000~26500-PASS



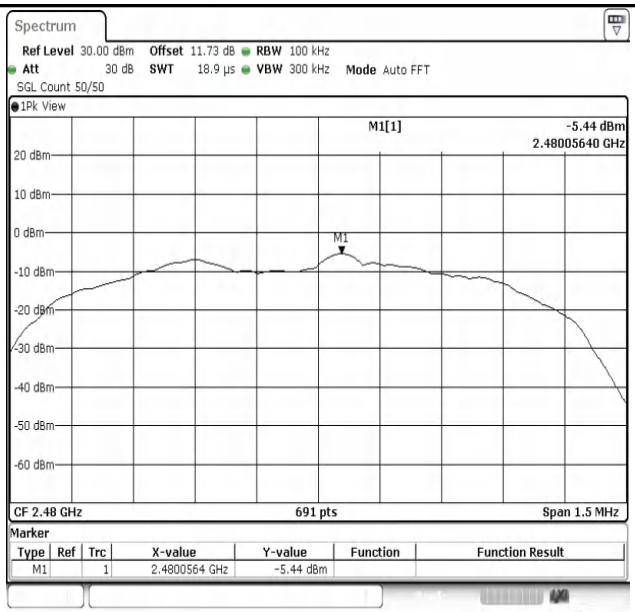
3DH5-Ant1-2441-0~Reference-PASS



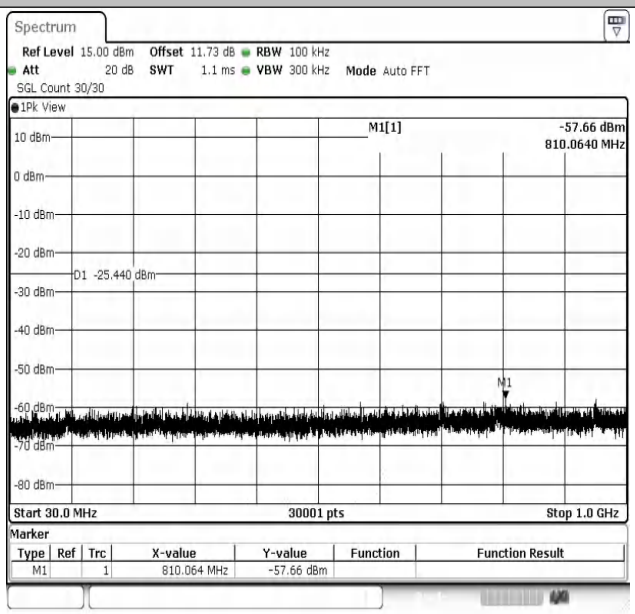
3DH5-Ant1-2441-30~1000-PASS



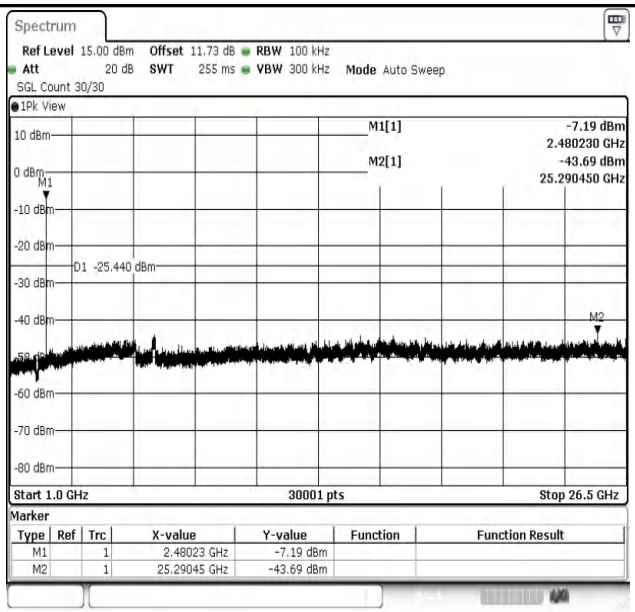
3DH5-Ant1-2441-1000~26500-PASS



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



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



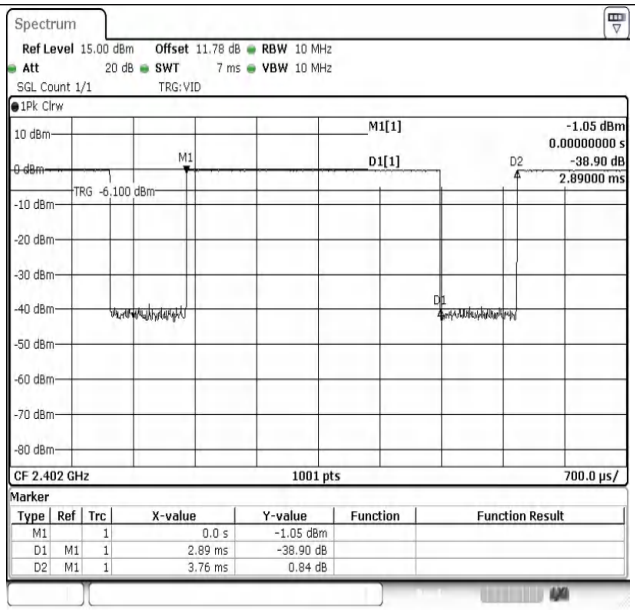
3DH5-Ant1-2480-1000~26500-PASS

Appendix I: Duty Cycle

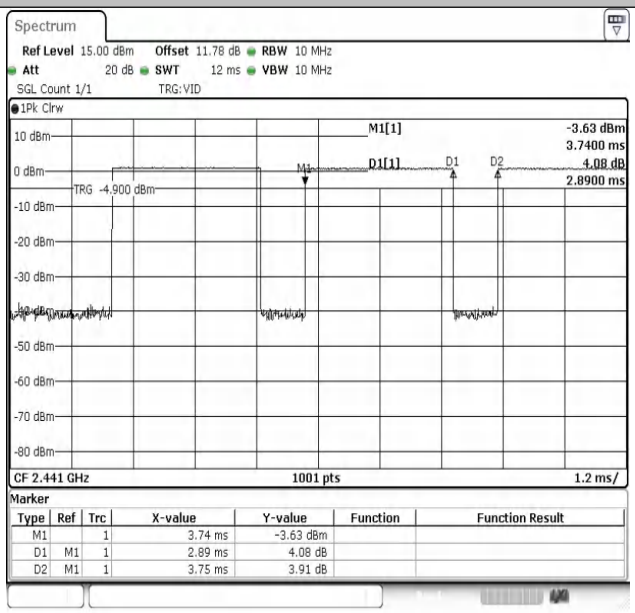
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.76	76.86	1.14
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.89	3.76	76.86	1.14
3DH5	Ant1	2402	2.89	3.76	76.86	1.14
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

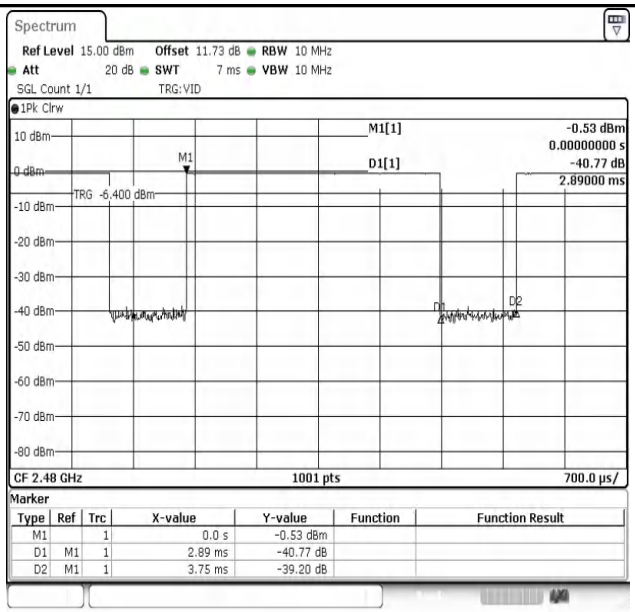
Test Graphs



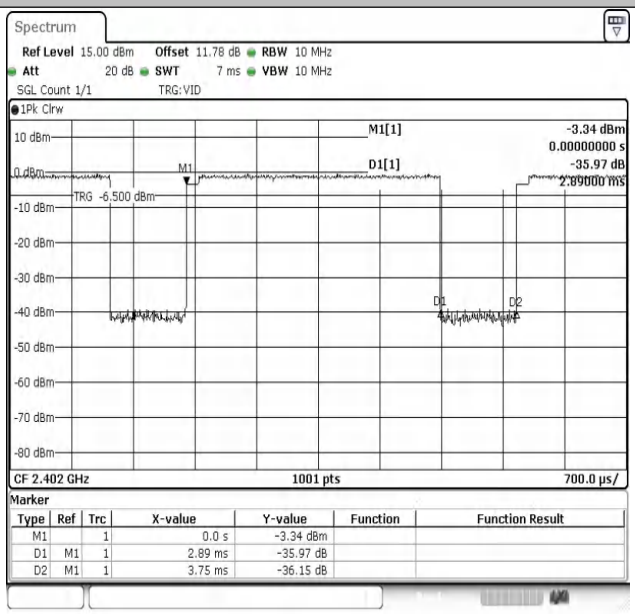
NTNV-DH5-Ant1-2402



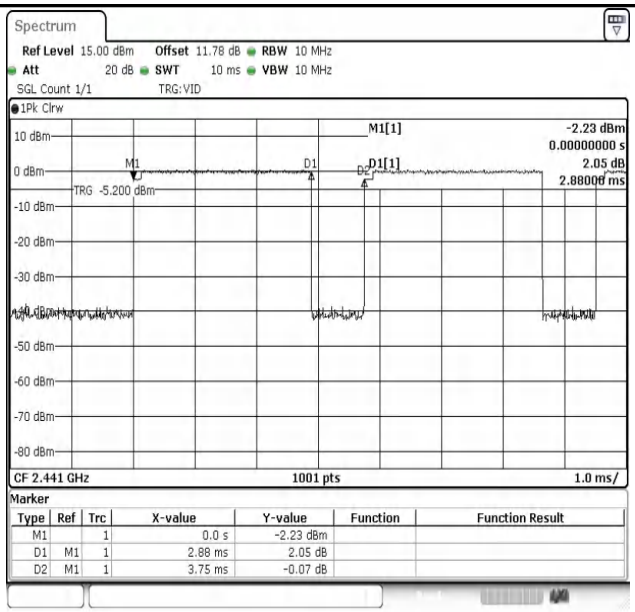
NTNV-DH5-Ant1-2441



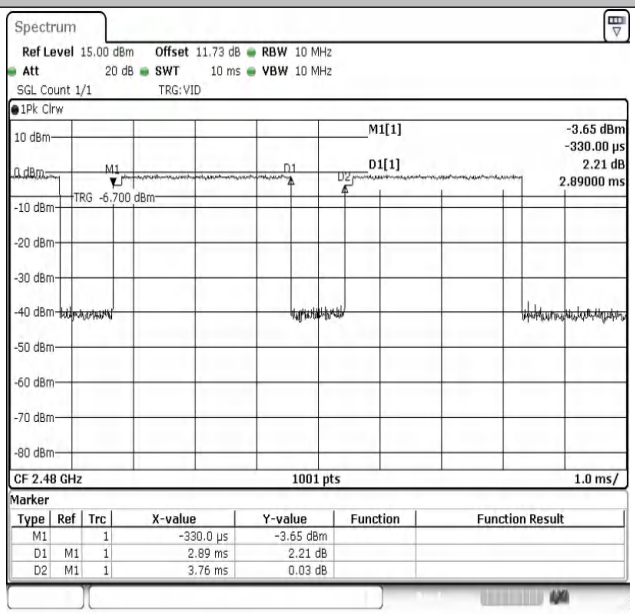
NTNV-DH5-Ant1-2480



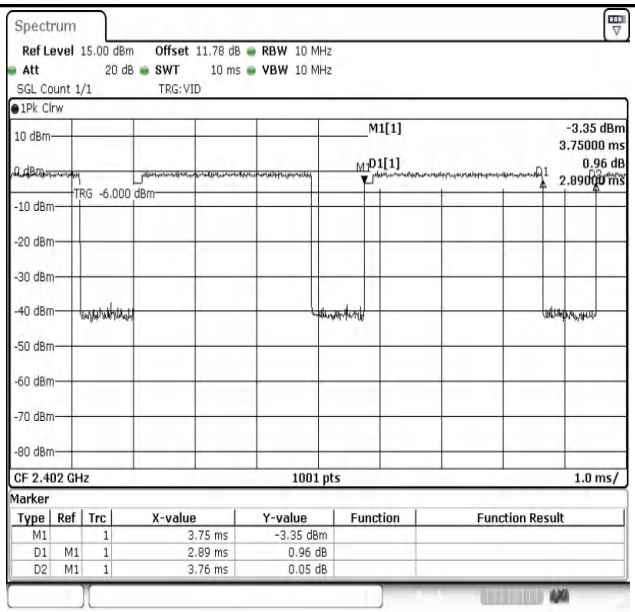
NTNV-2DH5-Ant1-2402



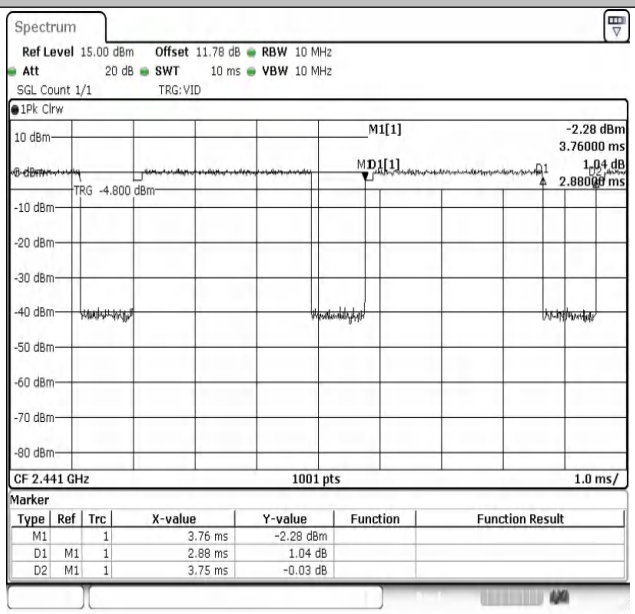
NTNV-2DH5-Ant1-2441



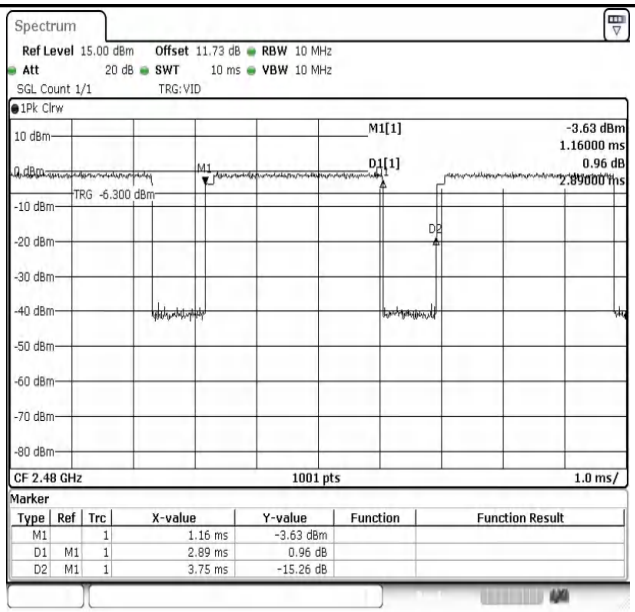
NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480

---END---