Appendix Test Data

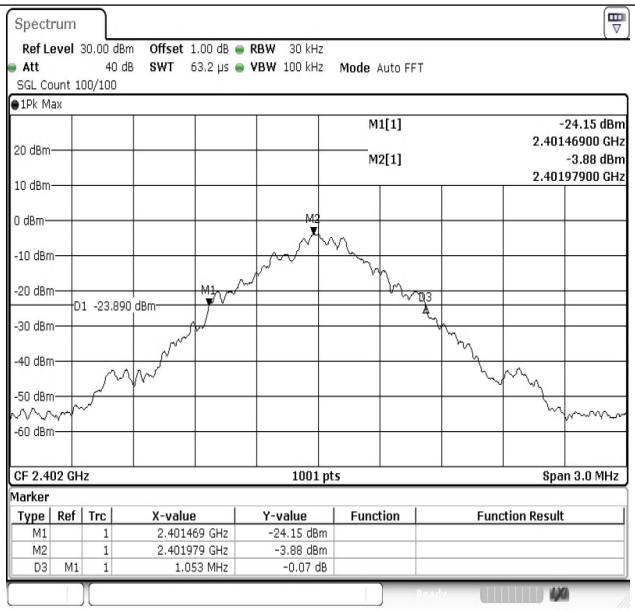
Report No.:	1821C50010612501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-19	Finish Test Date:	2025-5-26
Test Engineer:	Huisen Guan	Auditor:	Justin Feng
Temperature:	25.1℃	Relative Humidity:	56%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

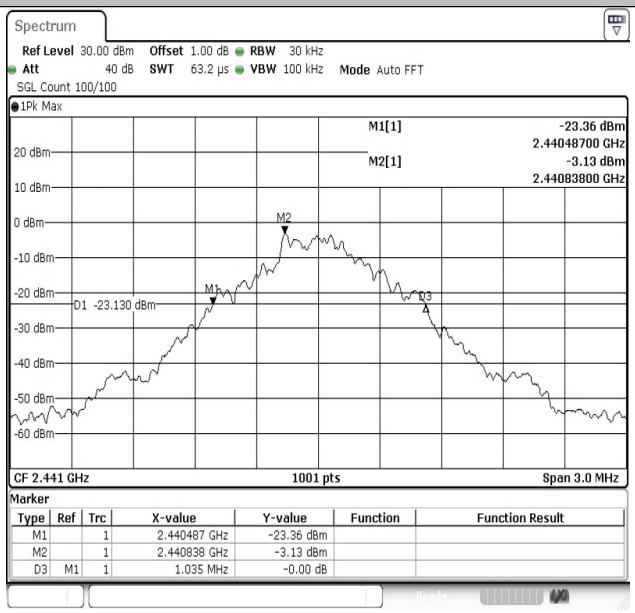
Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.05	2401.47	2402.52	---	---
DH5	Ant1	2441	1.03	2440.49	2441.52	---	---
DH5	Ant1	2480	1.05	2479.48	2480.52	---	---
2DH5	Ant1	2402	1.35	2401.33	2402.68	---	---
2DH5	Ant1	2441	1.35	2440.33	2441.68	---	---
2DH5	Ant1	2480	1.33	2479.34	2480.66	---	---
3DH5	Ant1	2402	1.31	2401.35	2402.66	---	---
3DH5	Ant1	2441	1.30	2440.35	2441.65	---	---
3DH5	Ant1	2480	1.30	2479.35	2480.65	---	---

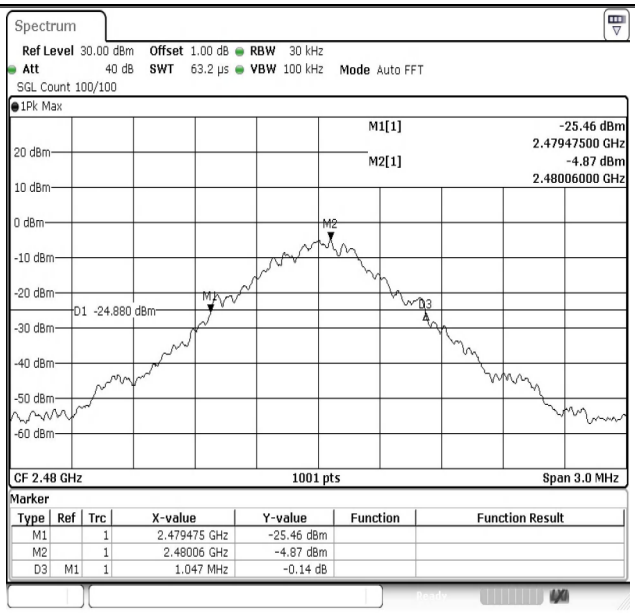
Test Graphs



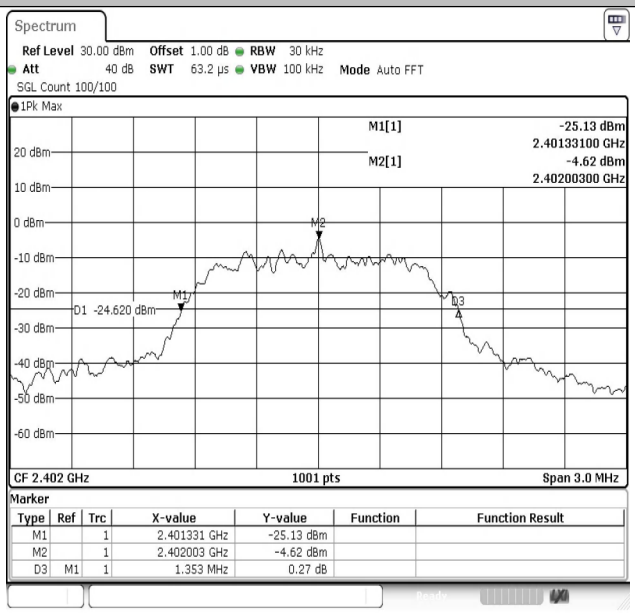
DH5-Ant1-2402



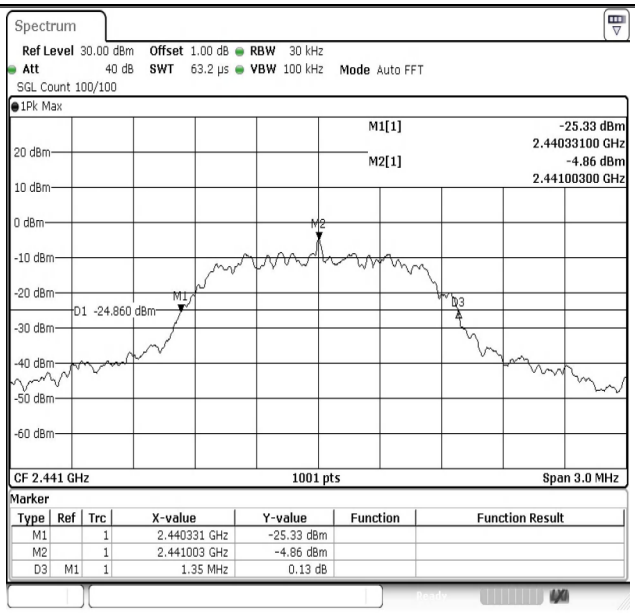
DH5-Ant1-2441



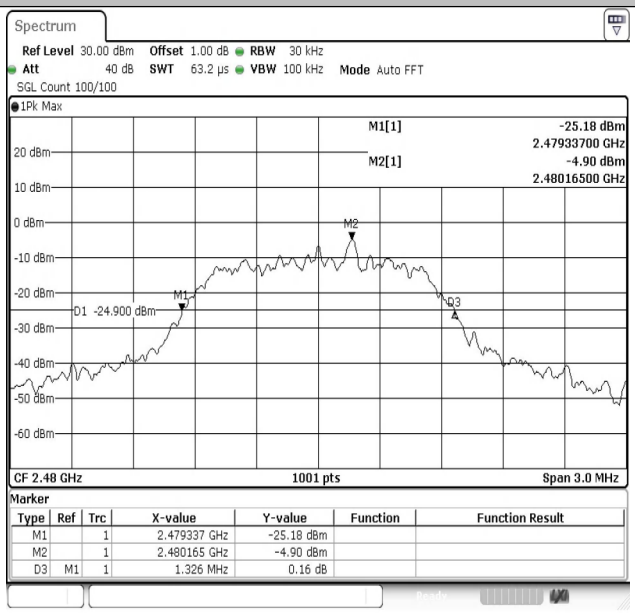
DH5-Ant1-2480



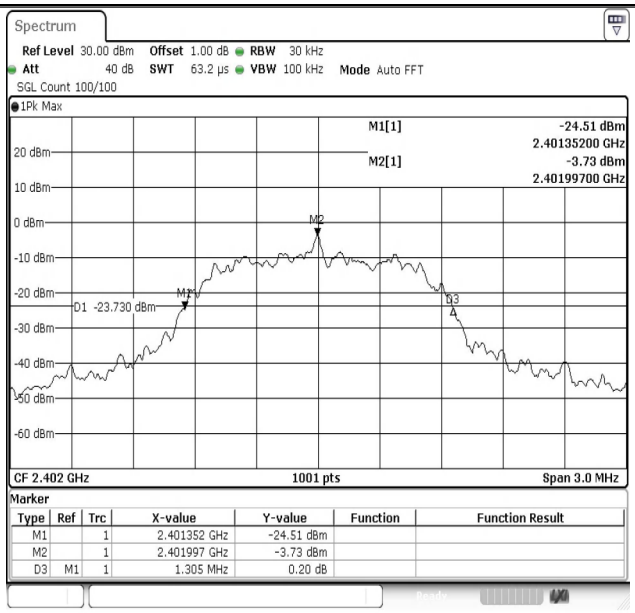
2DH5-Ant1-2402



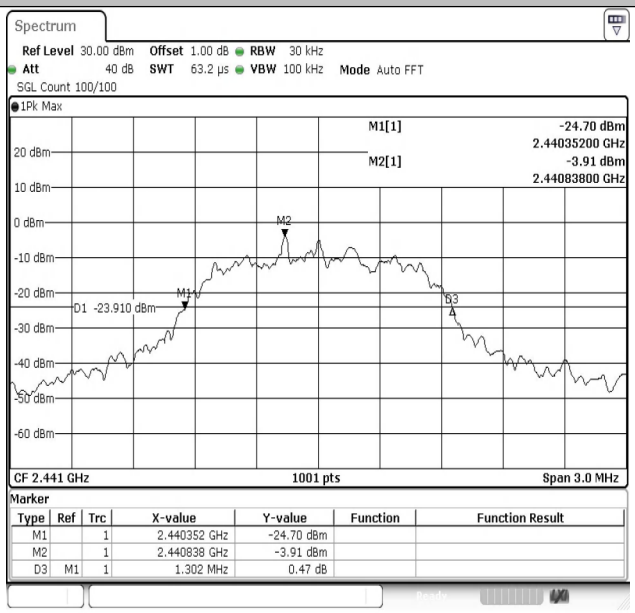
2DH5-Ant1-2441



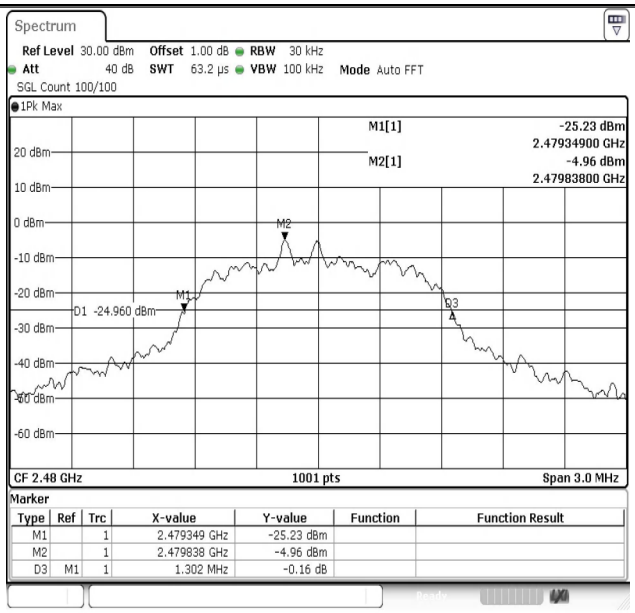
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



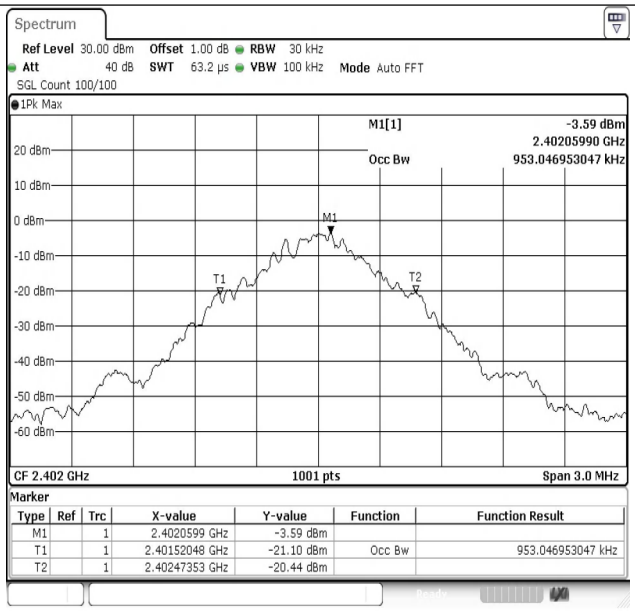
3DH5-Ant1-2480

Appendix B: 99% Occupied Bandwidth

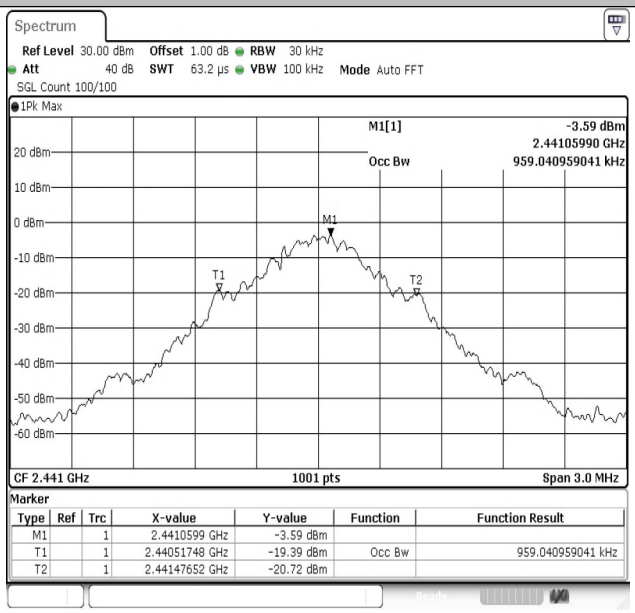
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95305	2401.5205	2402.4735	---	---
DH5	Ant1	2441	0.95904	2440.5175	2441.4765	---	---
DH5	Ant1	2480	0.97103	2479.5085	2480.4795	---	---
2DH5	Ant1	2402	1.2378	2401.3946	2402.6324	---	---
2DH5	Ant1	2441	1.2258	2440.3946	2441.6204	---	---
2DH5	Ant1	2480	1.2348	2479.3916	2480.6264	---	---
3DH5	Ant1	2402	1.2228	2401.3856	2402.6084	---	---
3DH5	Ant1	2441	1.2348	2440.3826	2441.6174	---	---
3DH5	Ant1	2480	1.2228	2479.3856	2480.6084	---	---

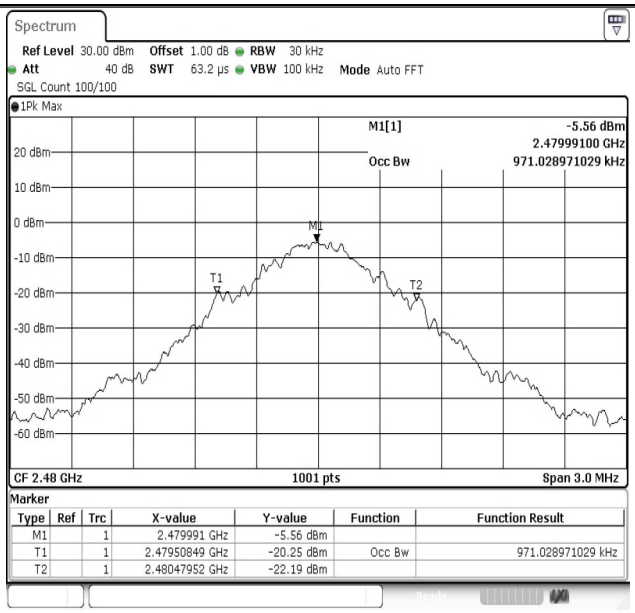
Test Graphs



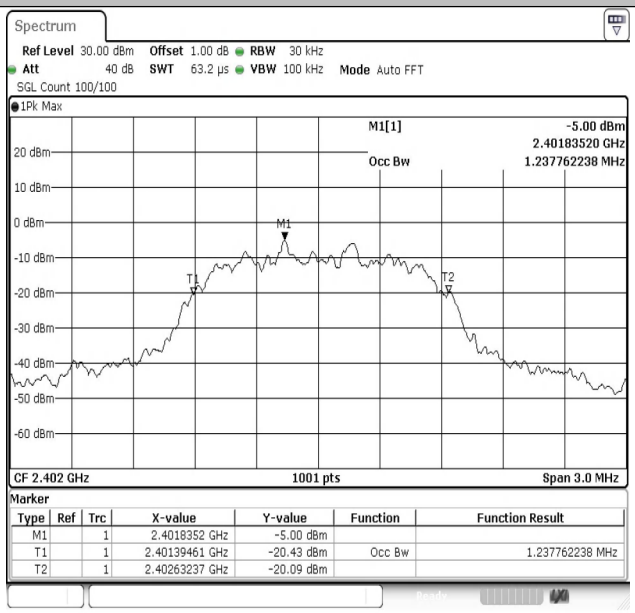
DH5-Ant1-2402



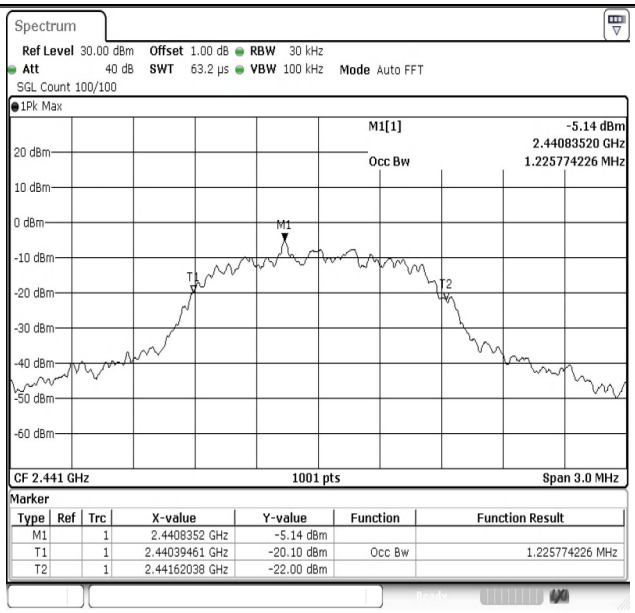
DH5-Ant1-2441



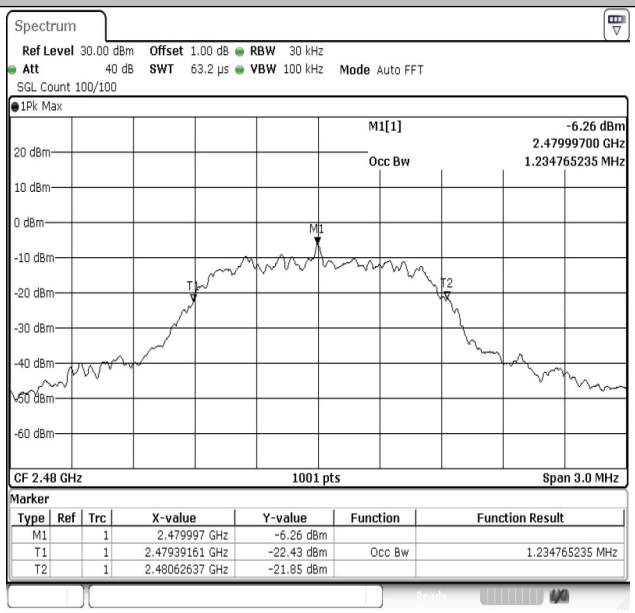
DH5-Ant1-2480



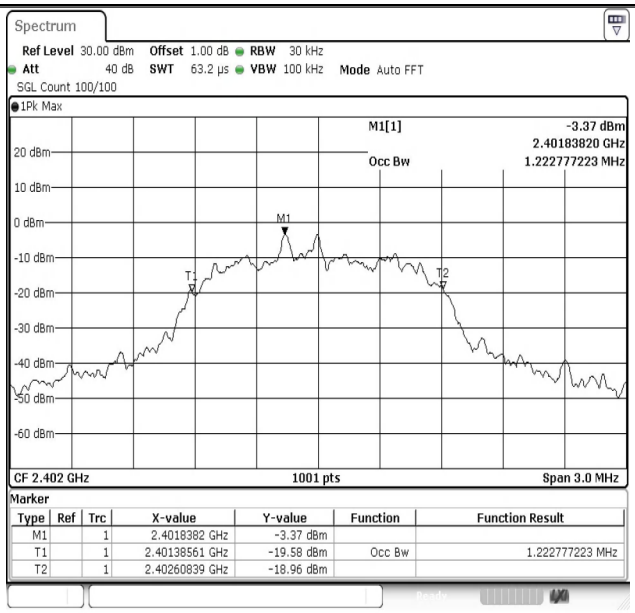
2DH5-Ant1-2402



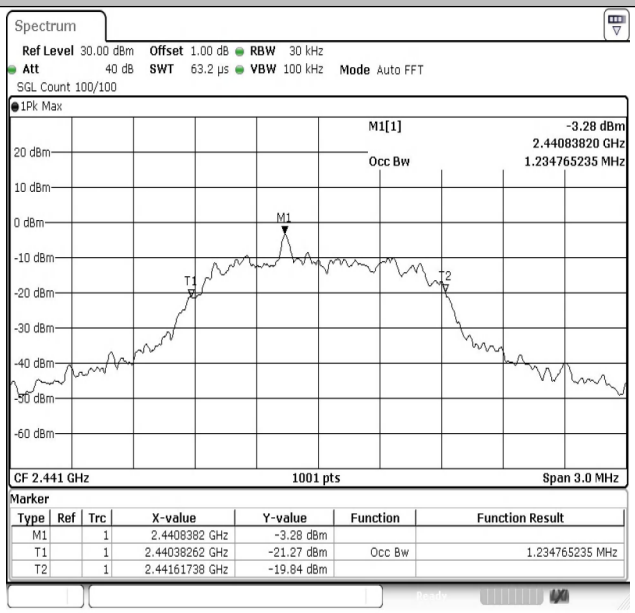
2DH5-Ant1-2441



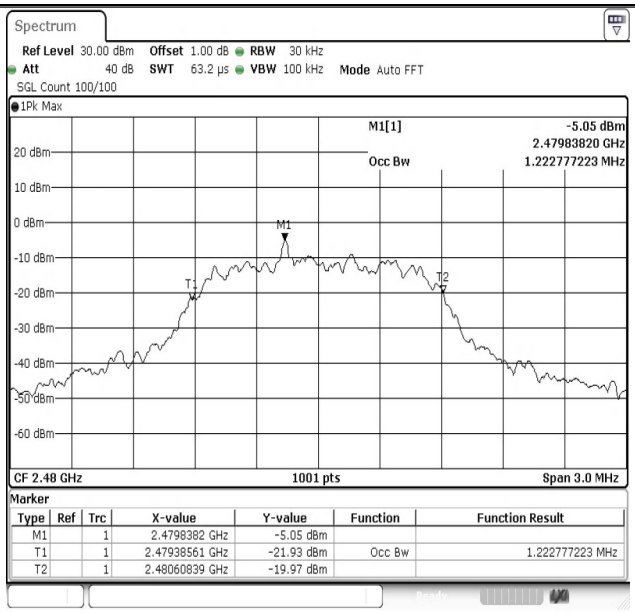
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



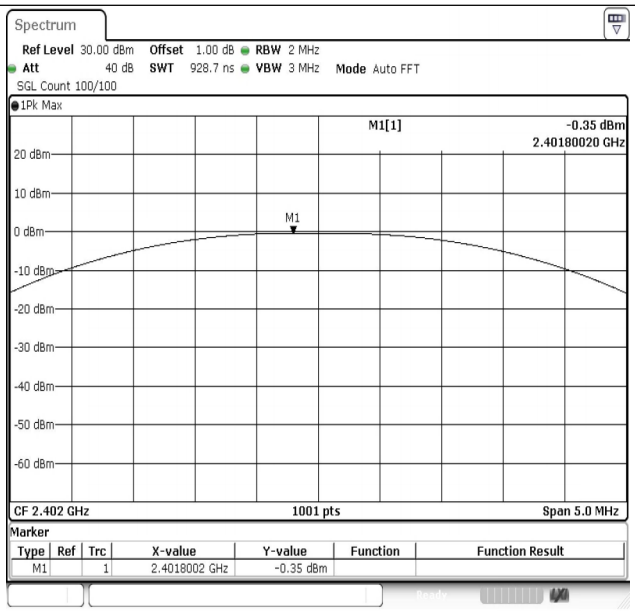
3DH5-Ant1-2480

Appendix C: Maximum Conducted Output Power

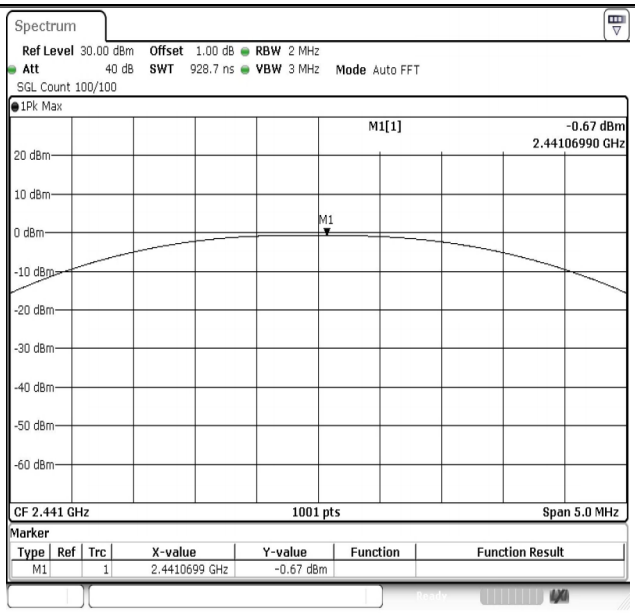
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.35	≤20.97	PASS
DH5	Ant1	2441	-0.67	≤20.97	PASS
DH5	Ant1	2480	-1.55	≤20.97	PASS
2DH5	Ant1	2402	0.07	≤20.97	PASS
2DH5	Ant1	2441	-0.02	≤20.97	PASS
2DH5	Ant1	2480	-1.11	≤20.97	PASS
3DH5	Ant1	2402	**0.59**	≤20.97	PASS
3DH5	Ant1	2441	-0.10	≤20.97	PASS
3DH5	Ant1	2480	-0.73	≤20.97	PASS

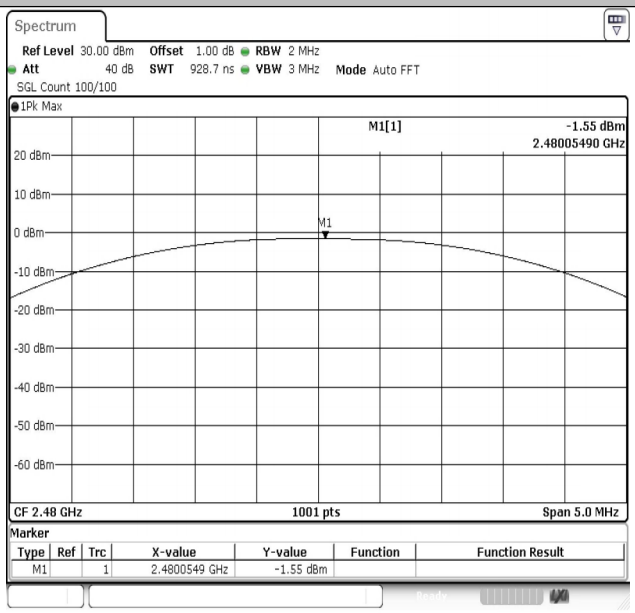
Test Graphs



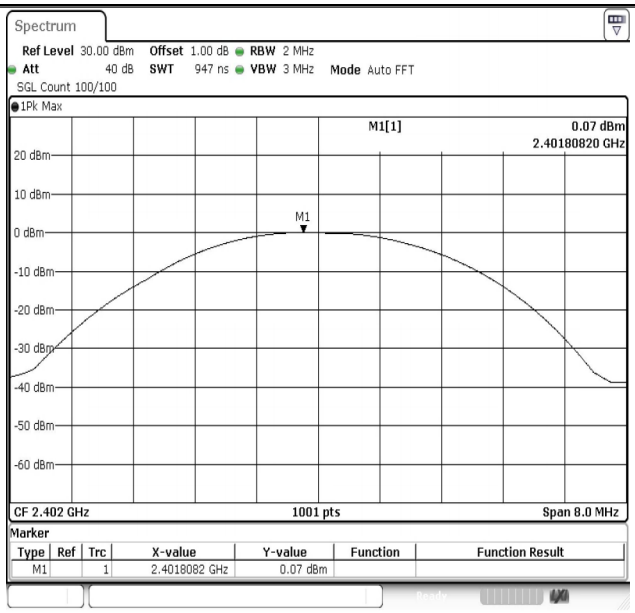
DH5-Ant1-2402-PASS



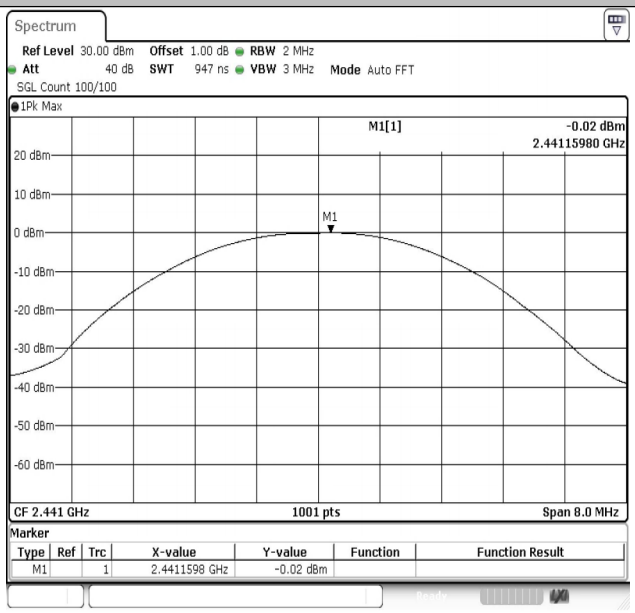
DH5-Ant1-2441-PASS



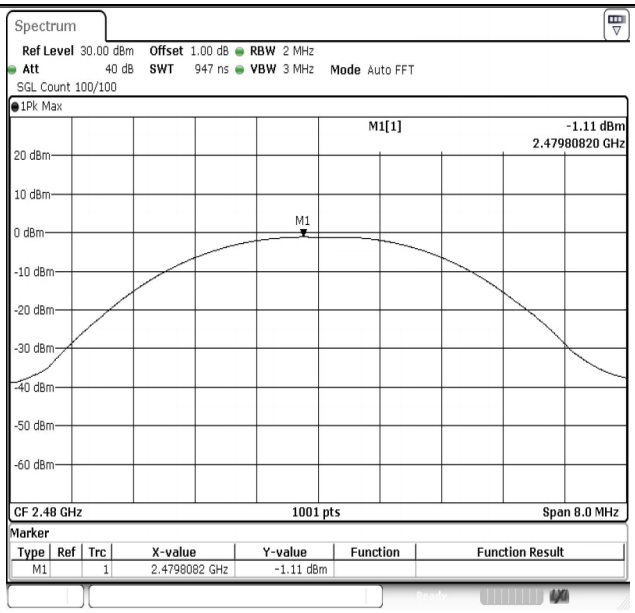
DH5-Ant1-2480-PASS



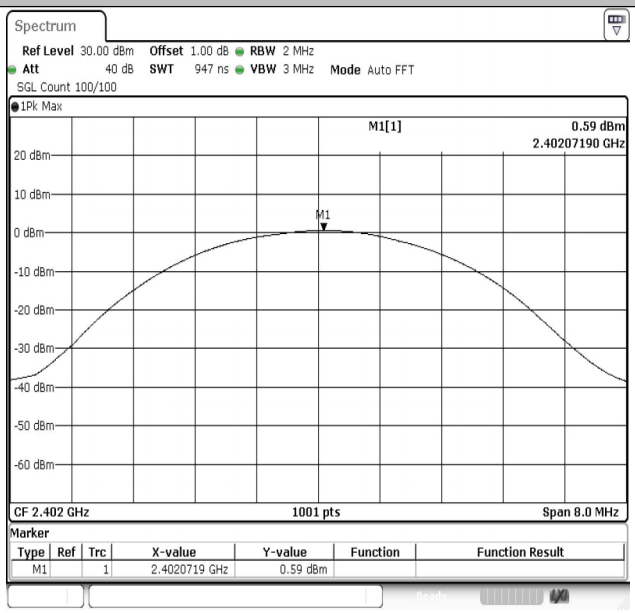
2DH5-Ant1-2402-PASS



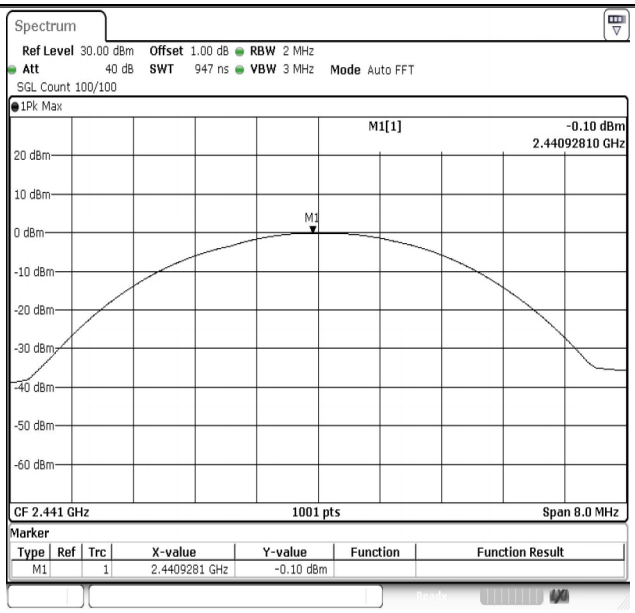
2DH5-Ant1-2441-PASS



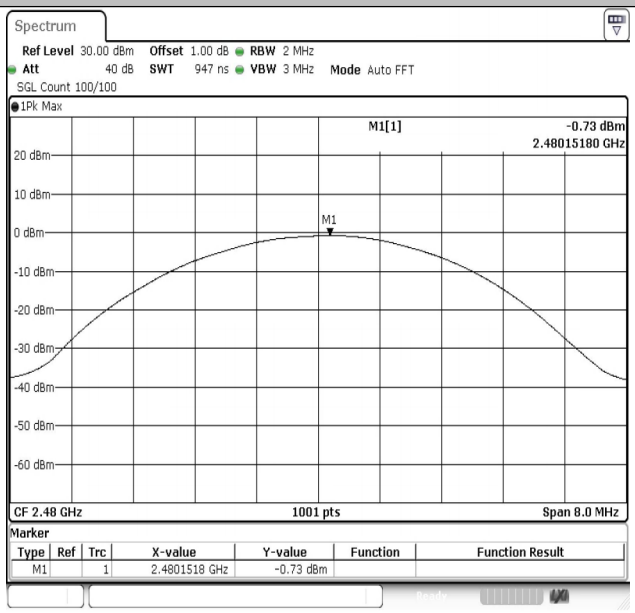
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



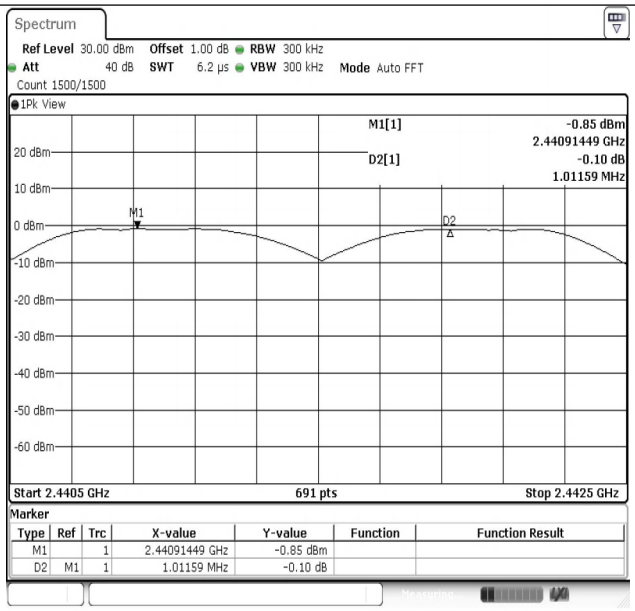
3DH5-Ant1-2480-PASS

Appendix D: Carrier frequency separation

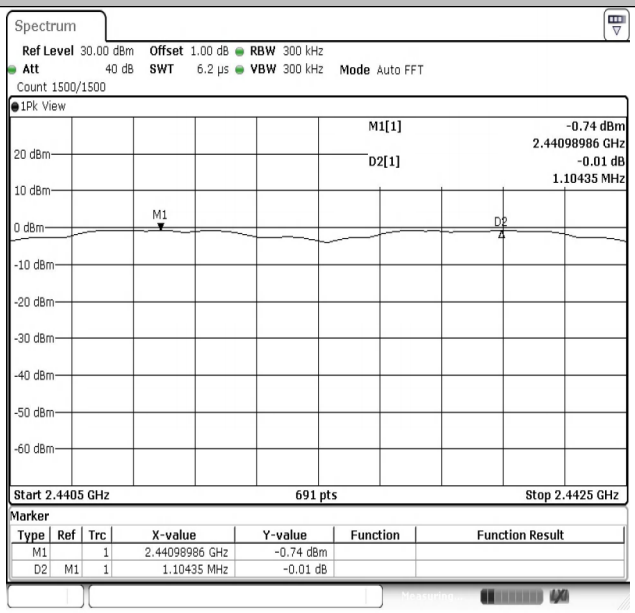
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥0.700	PASS
2DH5	Ant1	Hop	1.104	≥0.900	PASS
3DH5	Ant1	Hop	1.151	≥0.873	PASS

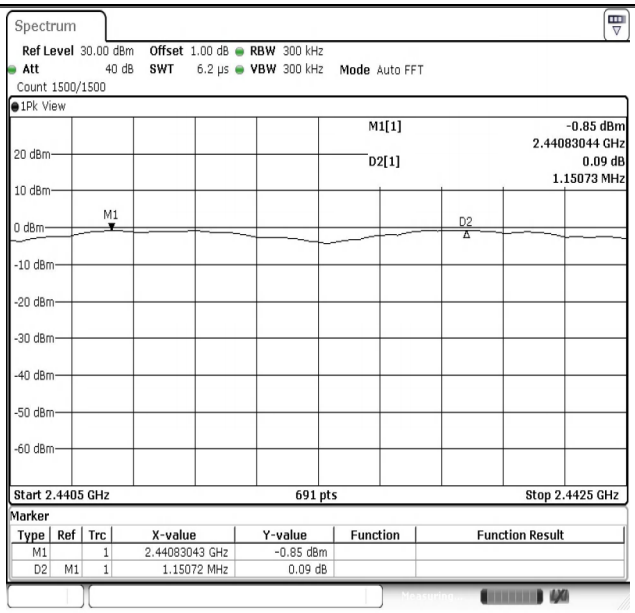
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



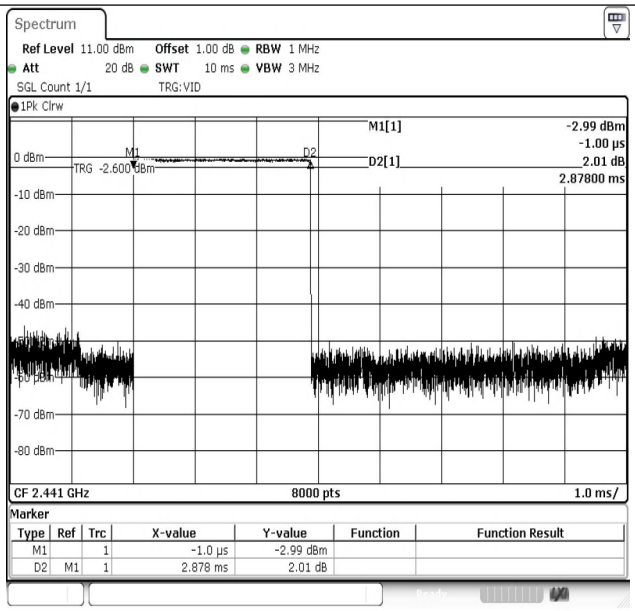
3DH5-Ant1-Hop-PASS

Appendix E: Dwell Time

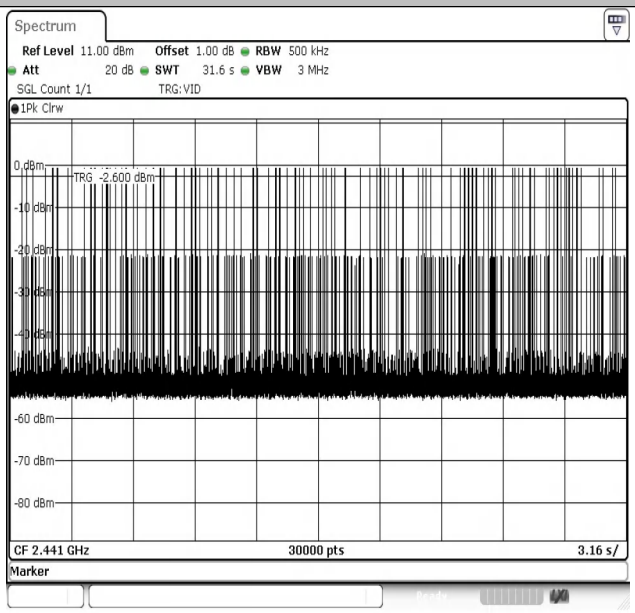
Test Result

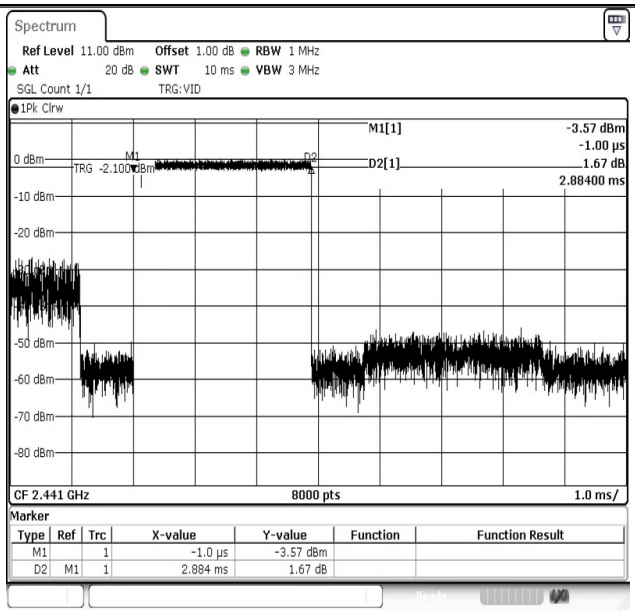
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.878	117	0.337	≤0.4	PASS
2DH5	Ant1	Hop	2.884	94	0.271	≤0.4	PASS
3DH5	Ant1	Hop	2.885	104	0.3	≤0.4	PASS

Test Graphs

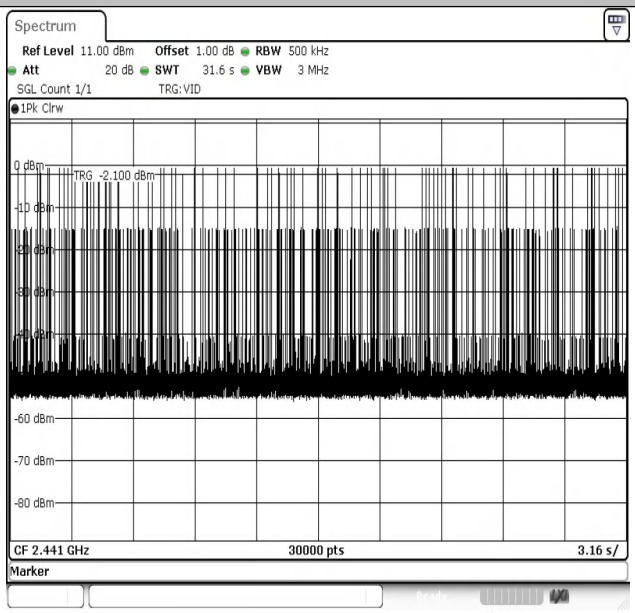


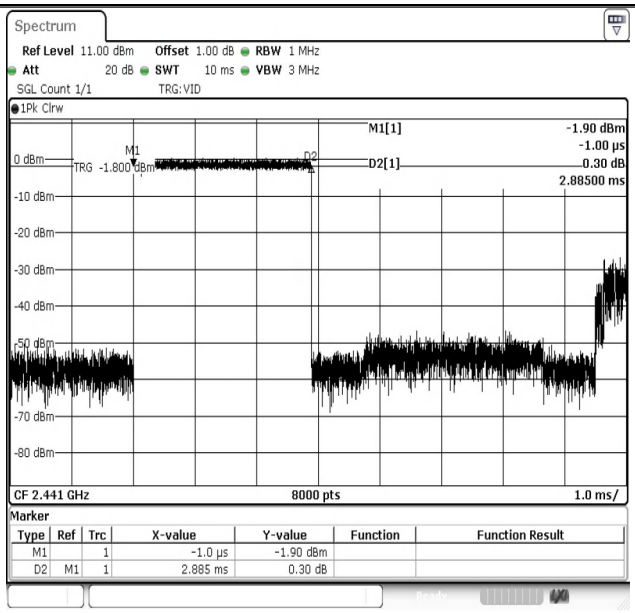
DH5-Ant1-Hop-PASS



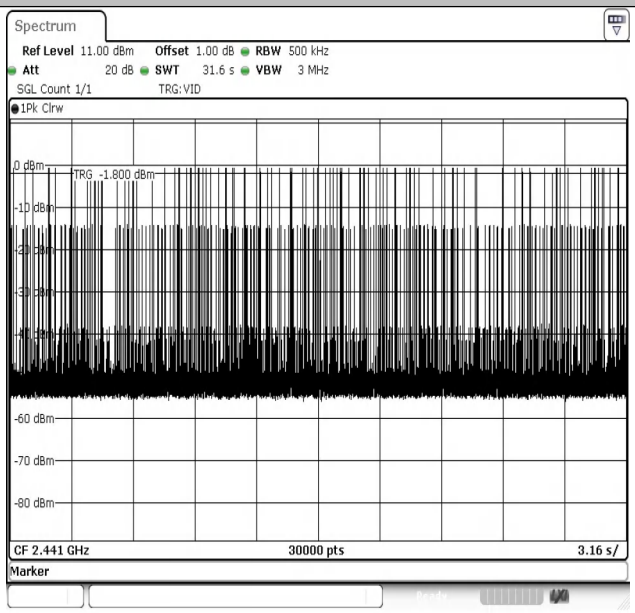


2DH5-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS

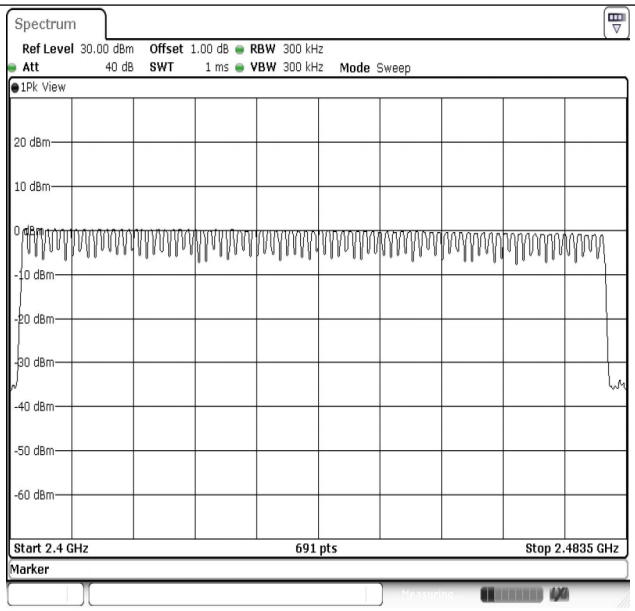


Appendix F: Number of Hopping Channel

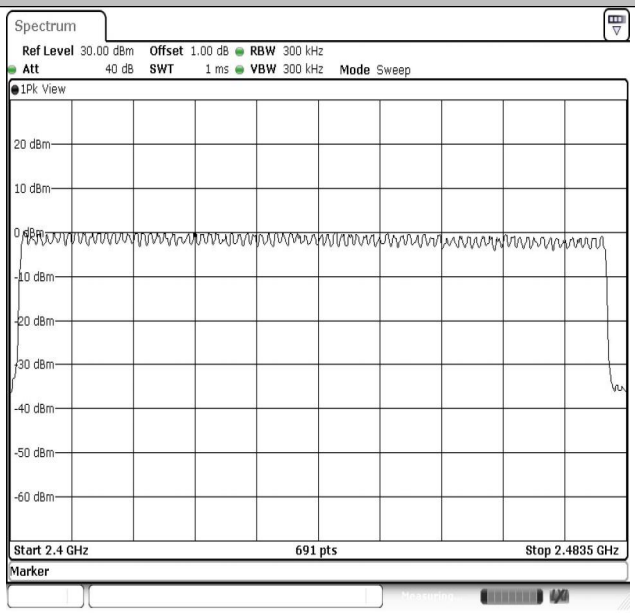
Test Result

Test Mode	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

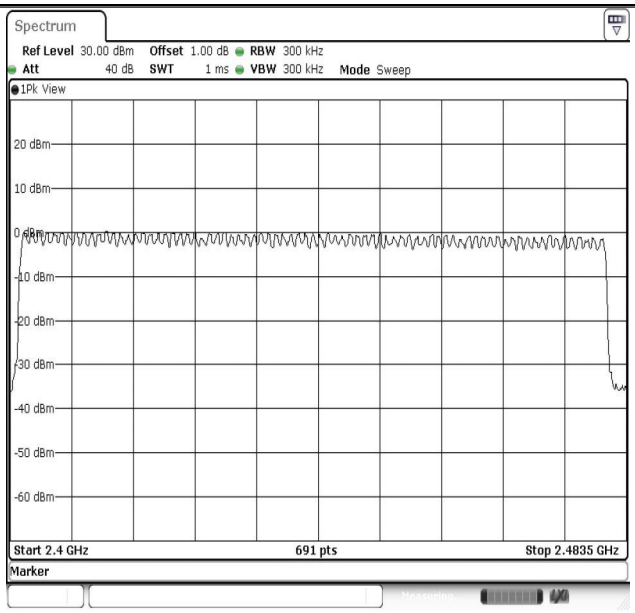
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.96	-50.27	≤-20.96	PASS
DH5	Ant1	High	2480	-1.96	-50.34	≤-21.96	PASS
DH5	Ant1	Low	Hop_2402	-1.29	-49.92	≤-21.29	PASS
DH5	Ant1	High	Hop_2480	-2.00	-51.55	≤-22	PASS
2DH5	Ant1	Low	2402	-0.60	-52.25	≤-20.6	PASS
2DH5	Ant1	High	2480	-1.95	-51.65	≤-21.95	PASS
2DH5	Ant1	Low	Hop_2402	-2.41	-45.75	≤-22.41	PASS
2DH5	Ant1	High	Hop_2480	-1.65	-53.18	≤-21.65	PASS
3DH5	Ant1	Low	2402	-0.59	-52	≤-20.59	PASS
3DH5	Ant1	High	2480	-2.71	-51.92	≤-22.71	PASS
3DH5	Ant1	Low	Hop_2402	-1.88	-50.55	≤-21.88	PASS
3DH5	Ant1	High	Hop_2480	-3.42	-52.78	≤-23.42	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.