Appendix Test Data

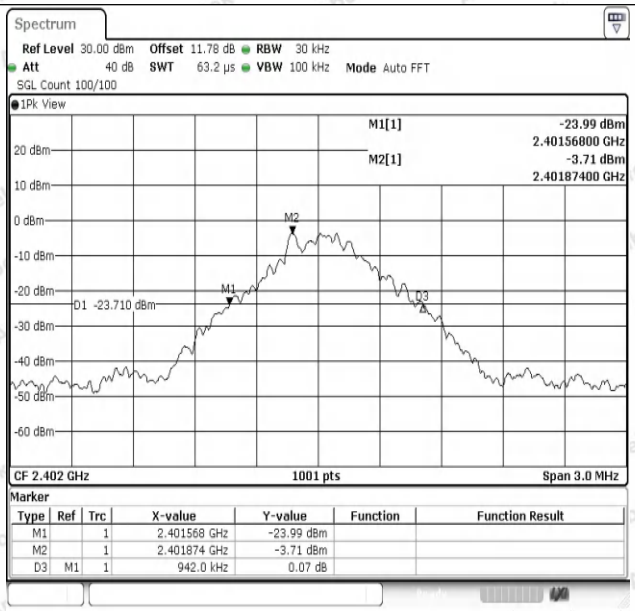
Report No:	1812C40001012501	Test Sample NO:	1-2-2
Start Test Date:	2024.8.5	Finish Test Date:	2024.8.6
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	22.6℃	Relative Humidity:	55%
Pressure:	101 kPa		

Appendix A: 20dB Emission Bandwidth

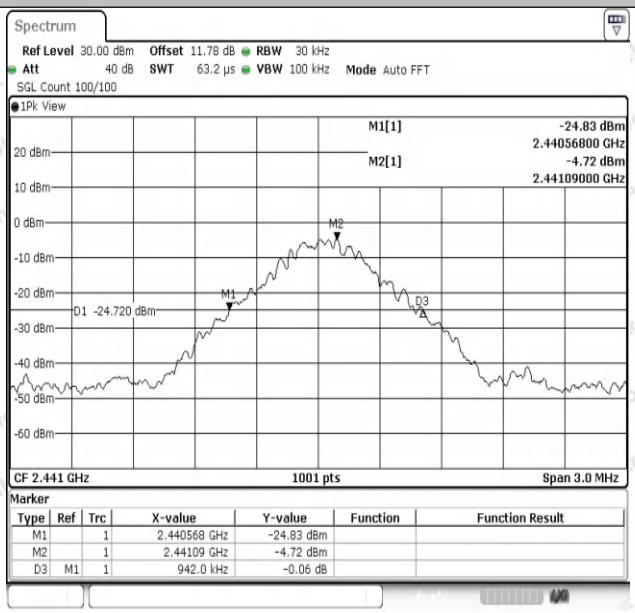
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.94	2401.57	2402.51	---	---
DH5	Ant1	2441	0.94	2440.57	2441.51	---	---
DH5	Ant1	2480	0.95	2479.57	2480.52	---	---
2DH5	Ant1	2402	1.34	2401.36	2402.70	---	---
2DH5	Ant1	2441	1.34	2440.36	2441.70	---	---
2DH5	Ant1	2480	1.31	2479.39	2480.70	---	---
3DH5	Ant1	2402	1.32	2401.37	2402.69	---	---
3DH5	Ant1	2441	1.30	2440.39	2441.69	---	---
3DH5	Ant1	2480	1.33	2479.37	2480.70	---	---

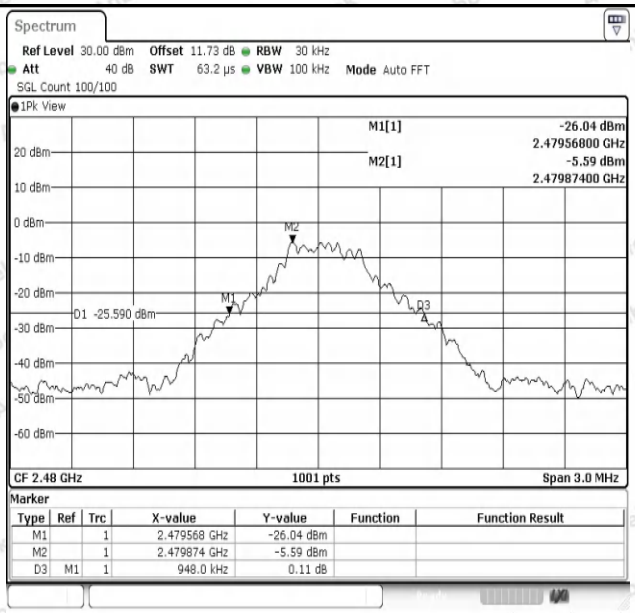
Test Graphs



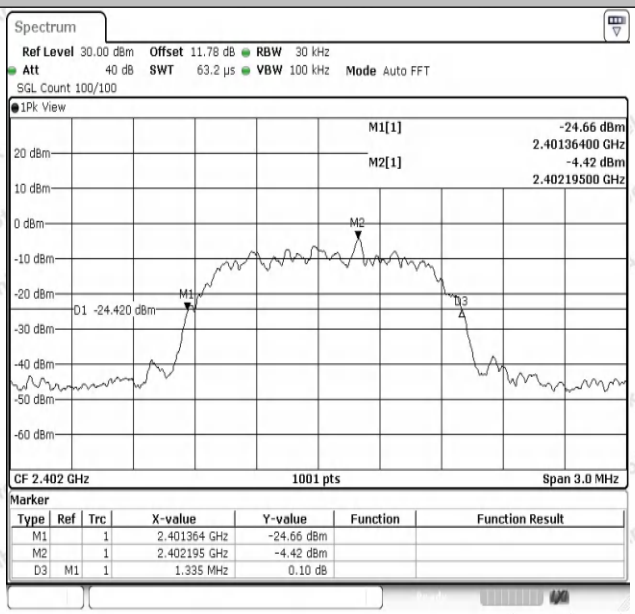
DH5-Ant1-2402



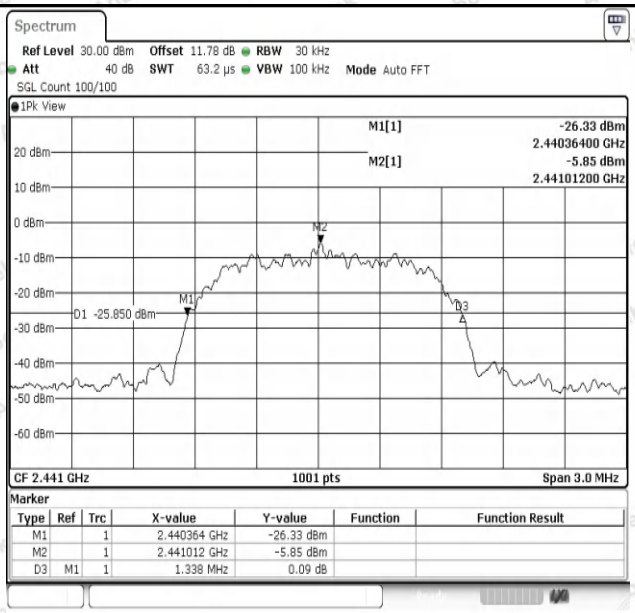
DH5-Ant1-2441



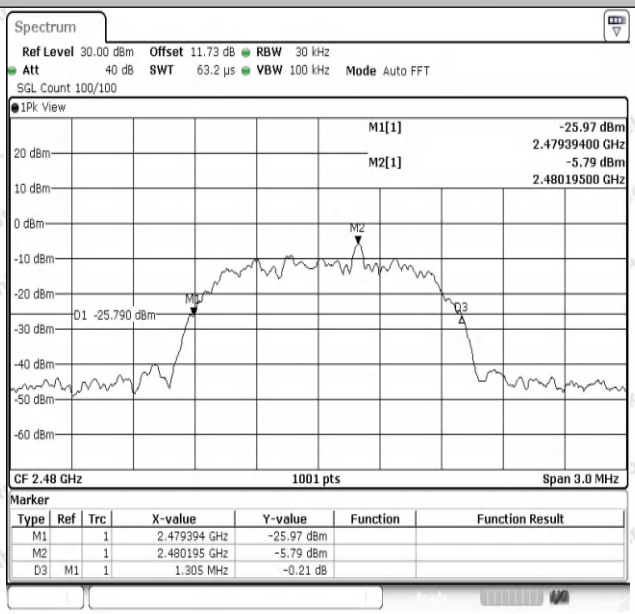
DH5-Ant1-2480



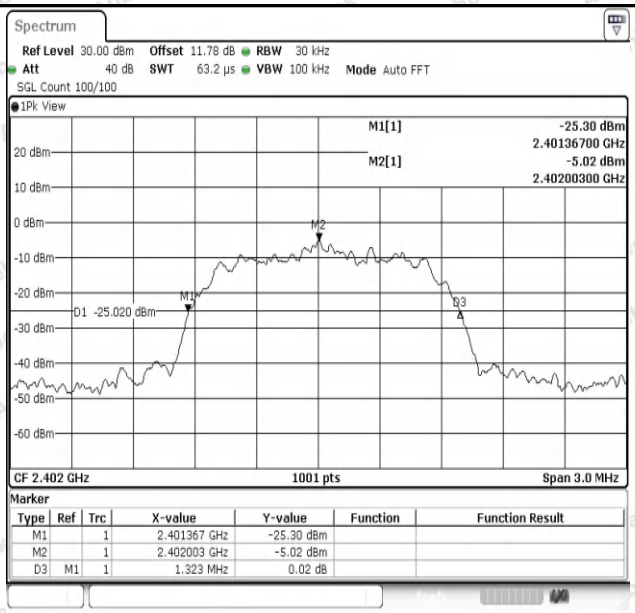
2DH5-Ant1-2402



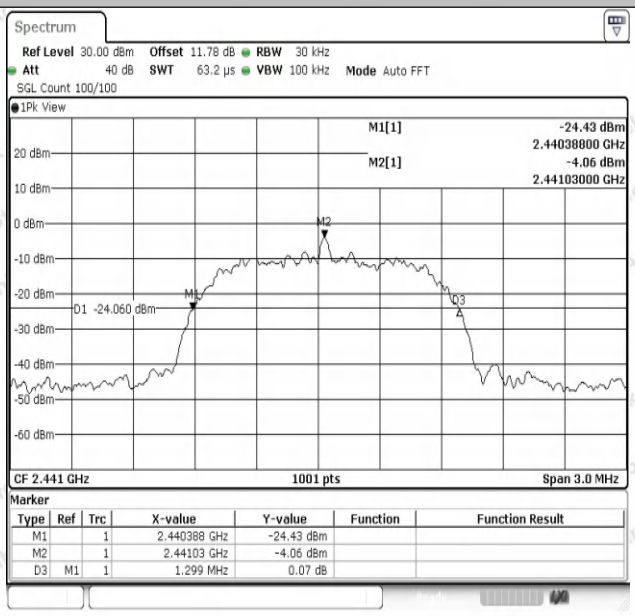
2DH5-Ant1-2441



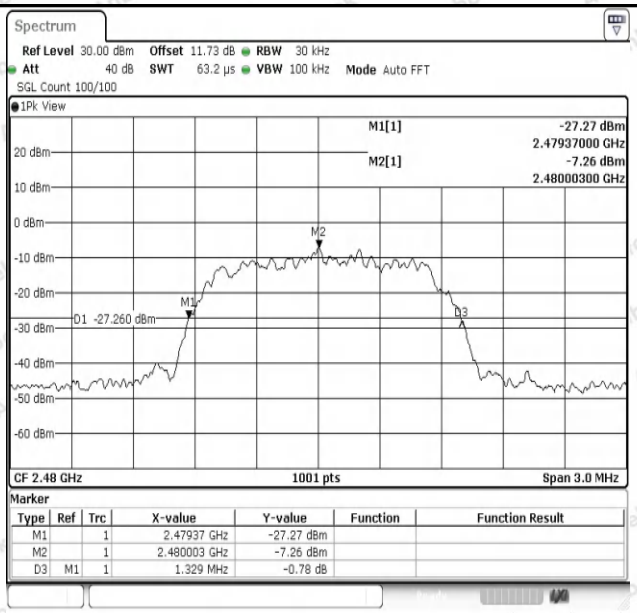
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



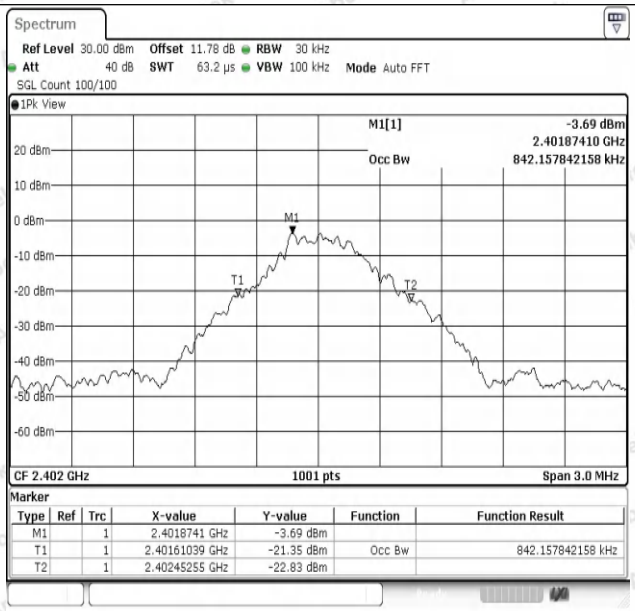
3DH5-Ant1-2480

Appendix B: Occupied Channel Bandwidth

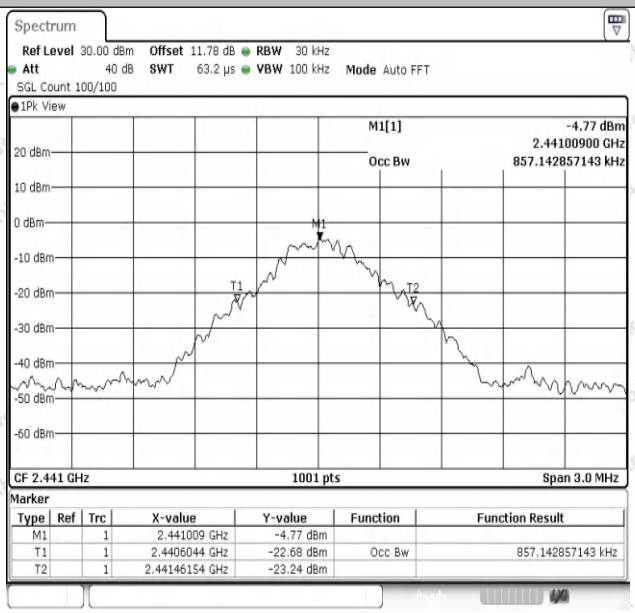
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.842	2401.6104	2402.4525	---	---
DH5	Ant1	2441	0.857	2440.6044	2441.4615	---	---
DH5	Ant1	2480	0.857	2479.6044	2480.4615	---	---
2DH5	Ant1	2402	1.184	2401.4456	2402.6294	---	---
2DH5	Ant1	2441	1.199	2440.4366	2441.6354	---	---
2DH5	Ant1	2480	1.184	2479.4396	2480.6234	---	---
3DH5	Ant1	2402	1.184	2401.4486	2402.6324	---	---
3DH5	Ant1	2441	1.193	2440.4396	2441.6324	---	---
3DH5	Ant1	2480	1.199	2479.4366	2480.6354	---	---

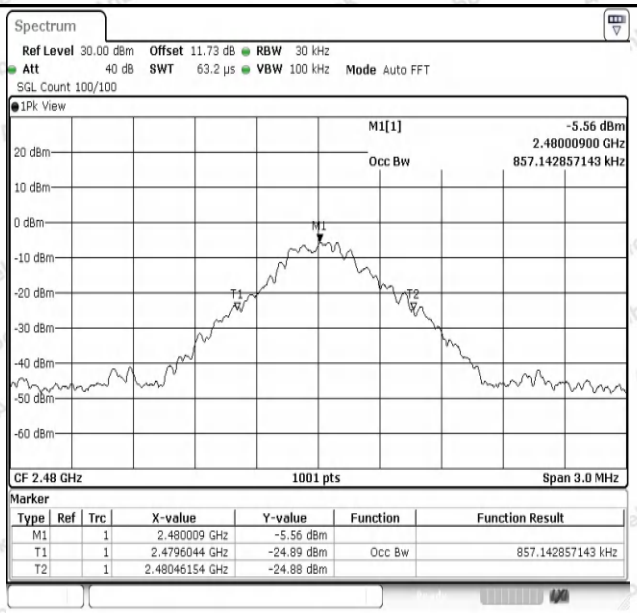
Test Graphs



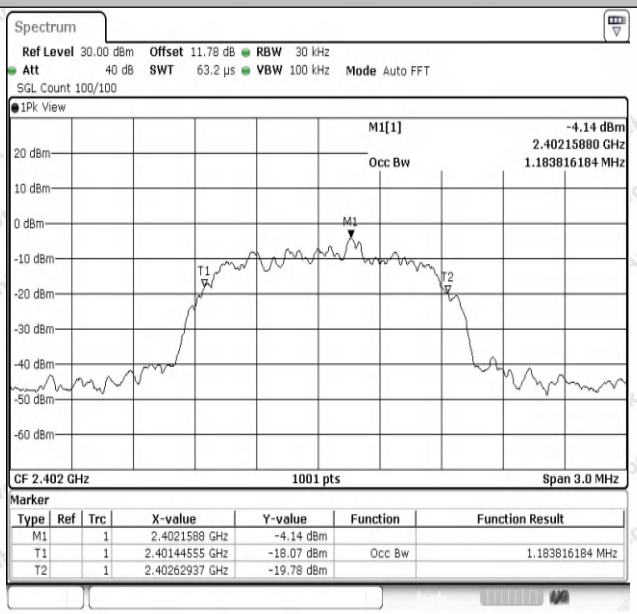
DH5-Ant1-2402



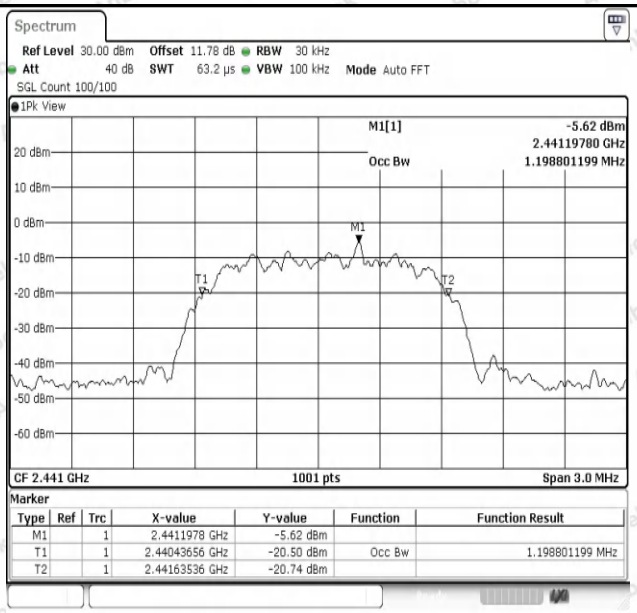
DH5-Ant1-2441



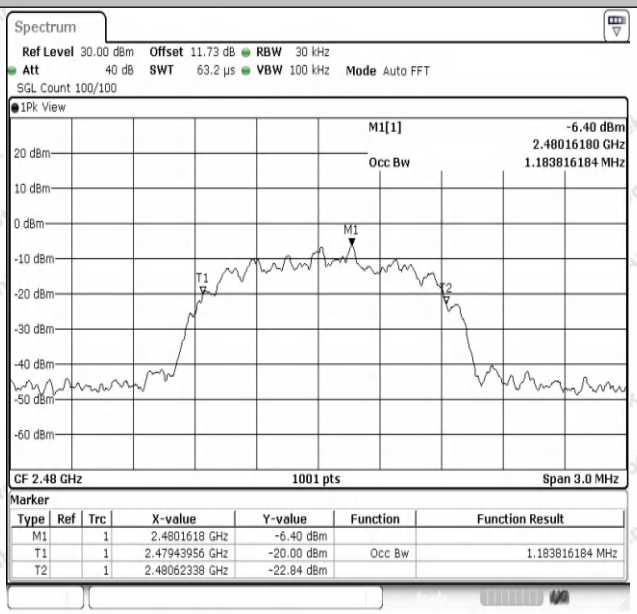
DH5-Ant1-2480



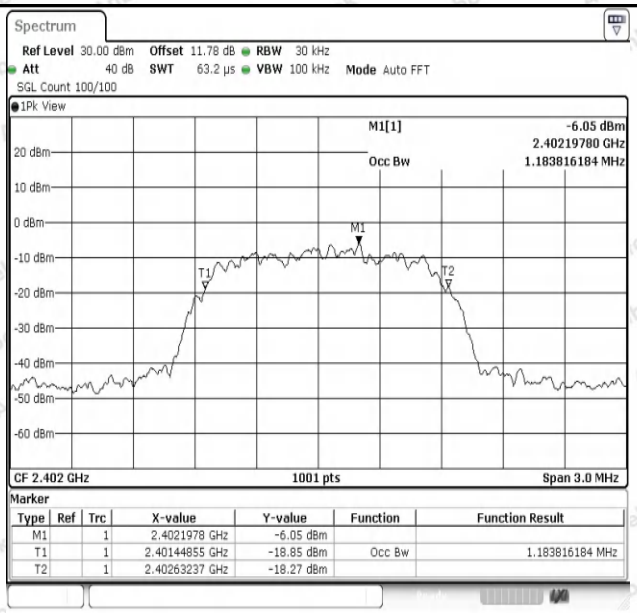
2DH5-Ant1-2402



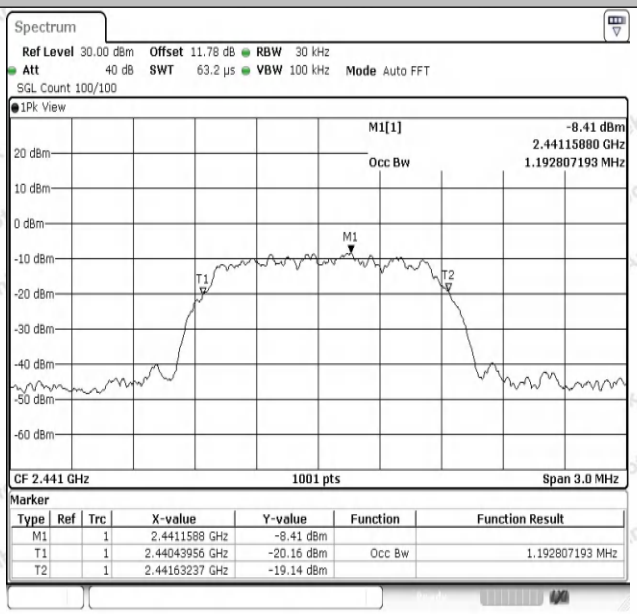
2DH5-Ant1-2441



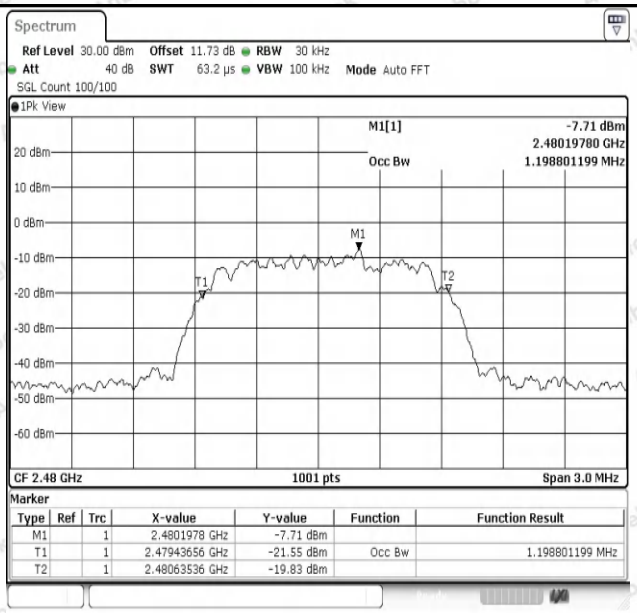
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



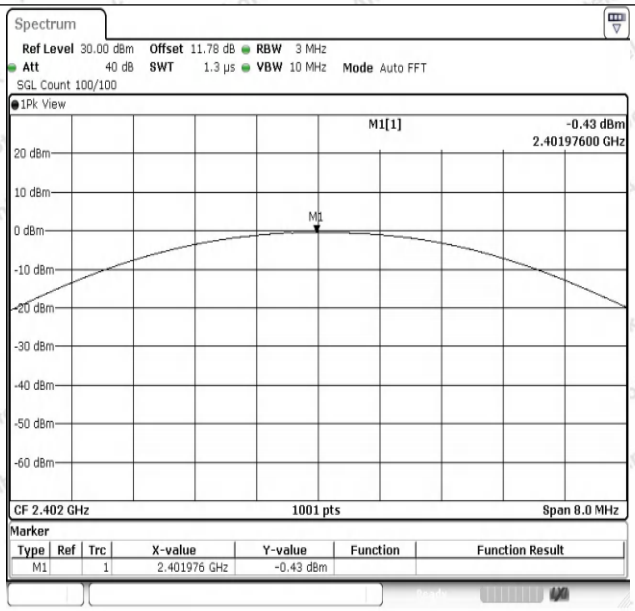
3DH5-Ant1-2480

Appendix C: Maximum conducted output power

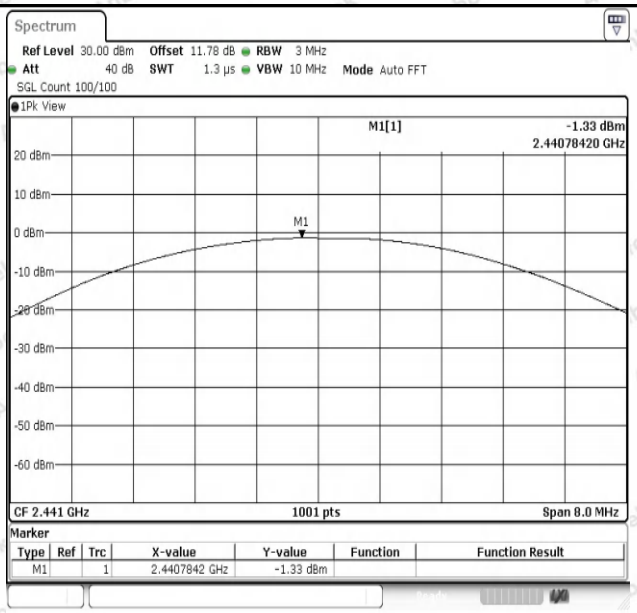
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.43	≤20.97	PASS
DH5	Ant1	2441	-1.33	≤20.97	PASS
DH5	Ant1	2480	-2.19	≤20.97	PASS
2DH5	Ant1	2402	1.38	≤20.97	PASS
2DH5	Ant1	2441	0.58	≤20.97	PASS
2DH5	Ant1	2480	-0.65	≤20.97	PASS
3DH5	Ant1	2402	1.49	≤20.97	PASS
3DH5	Ant1	2441	0.60	≤20.97	PASS
3DH5	Ant1	2480	0.01	≤20.97	PASS

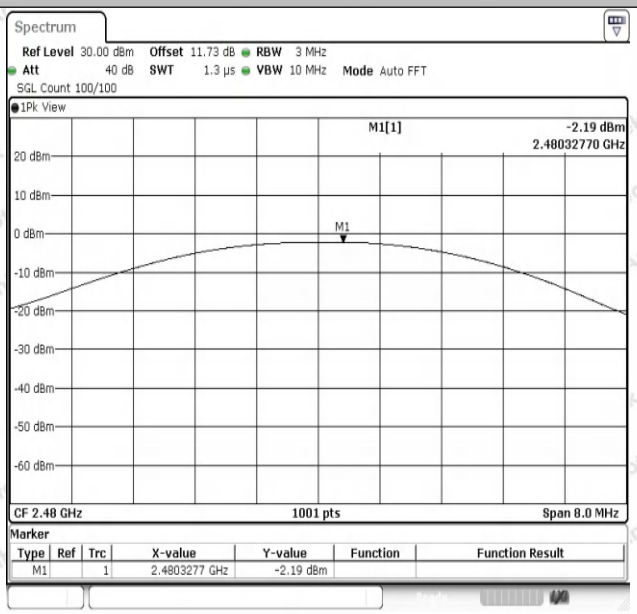
Test Graphs



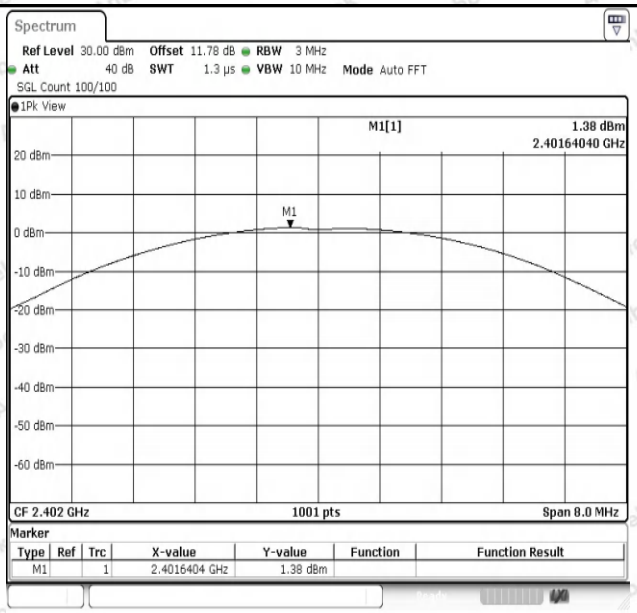
DH5-Ant1-2402-PASS



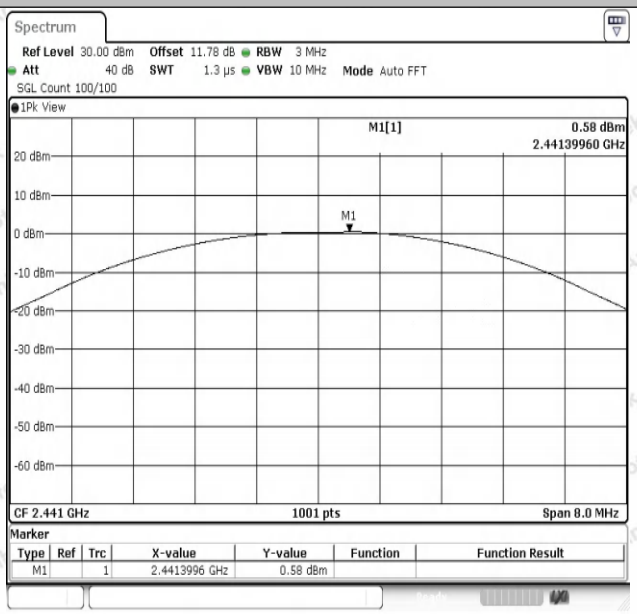
DH5-Ant1-2441-PASS



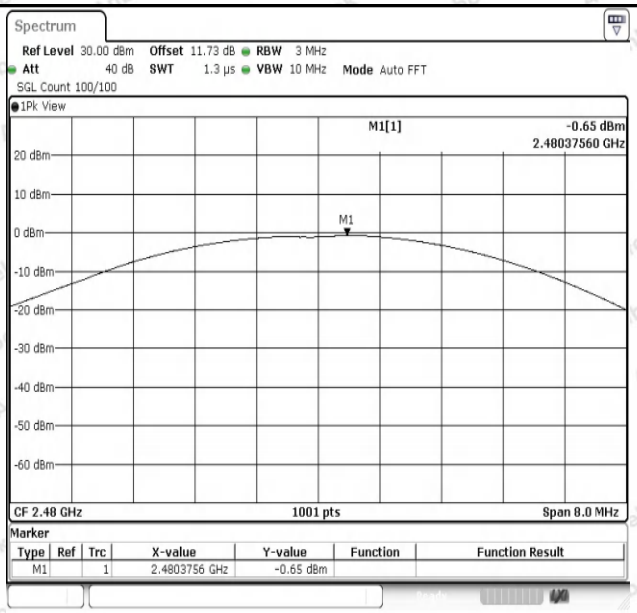
DH5-Ant1-2480-PASS



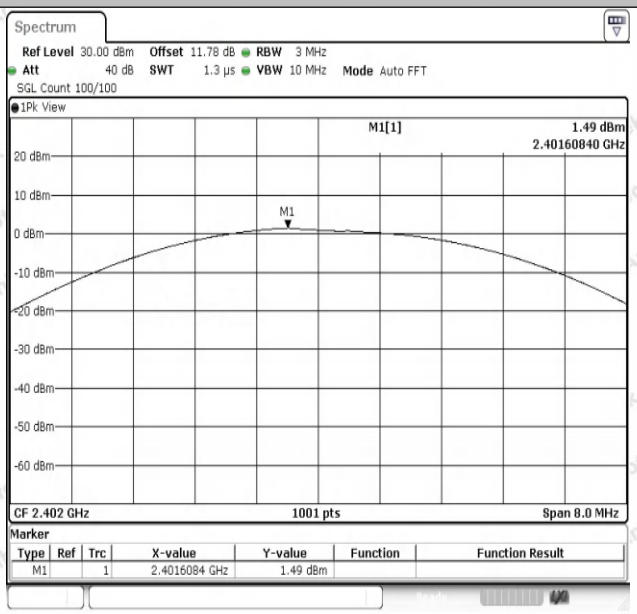
2DH5-Ant1-2402-PASS



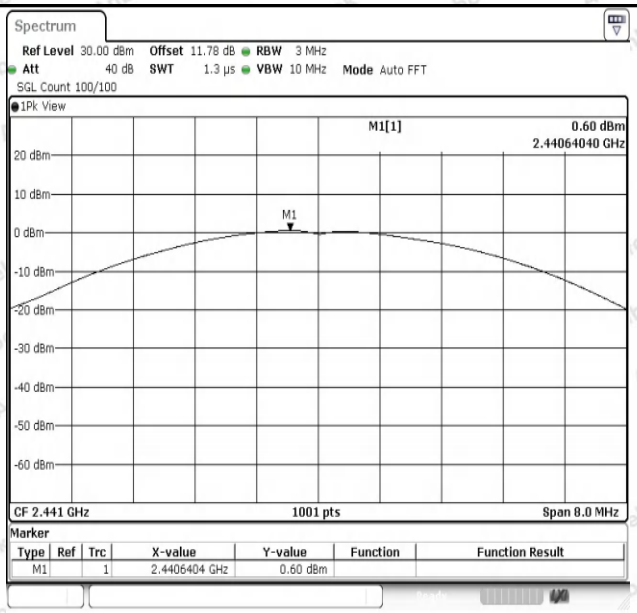
2DH5-Ant1-2441-PASS



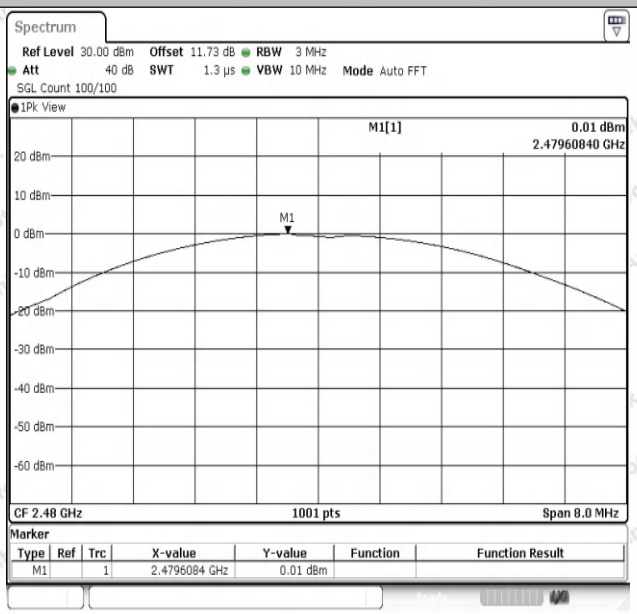
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



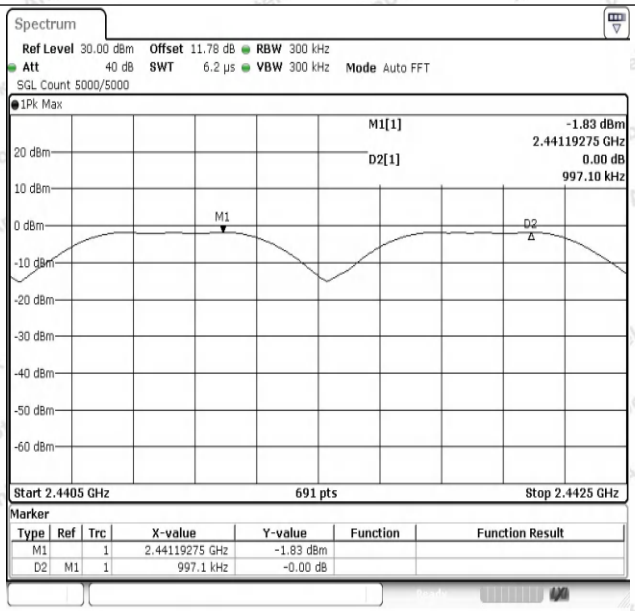
3DH5-Ant1-2480-PASS

Appendix D: Carrier frequency separation

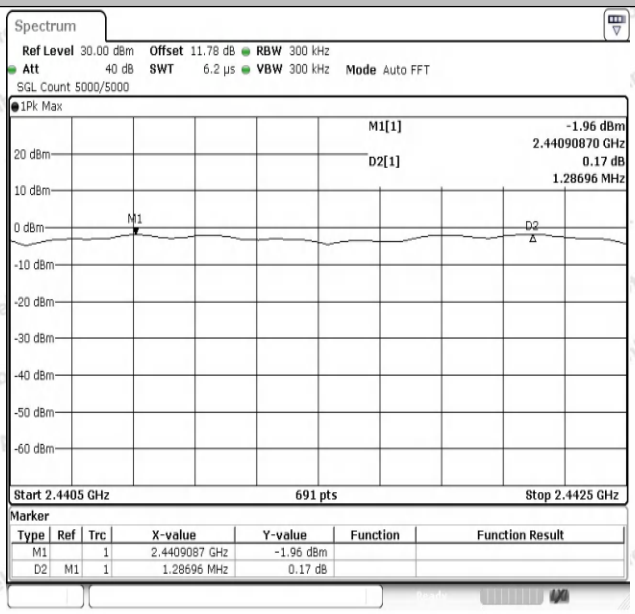
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.997	≥0.633	PASS
2DH5	Ant1	Hop	1.287	≥0.893	PASS
3DH5	Ant1	Hop	0.971	≥0.887	PASS

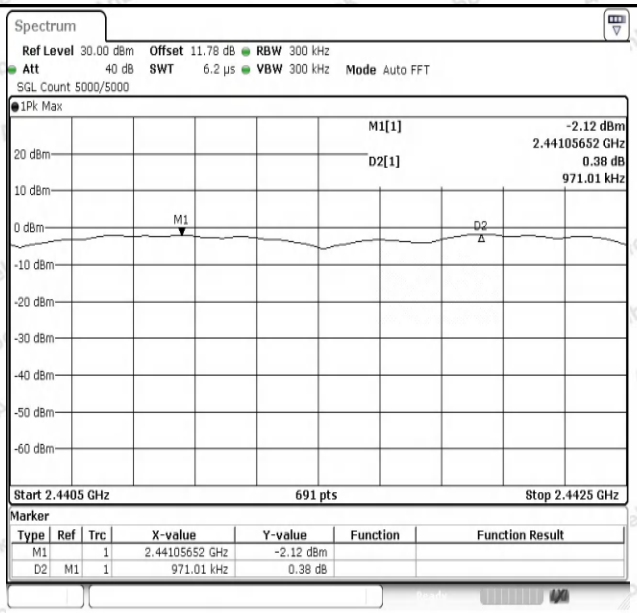
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



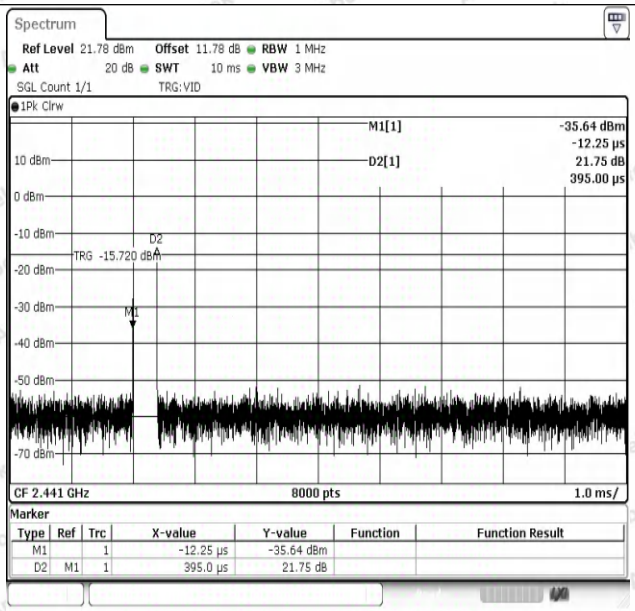
3DH5-Ant1-Hop-PASS

Appendix E: Time of occupancy

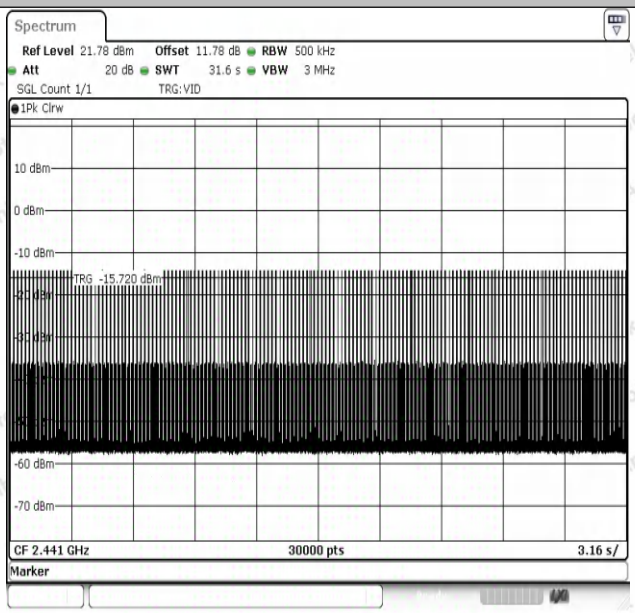
Test Result

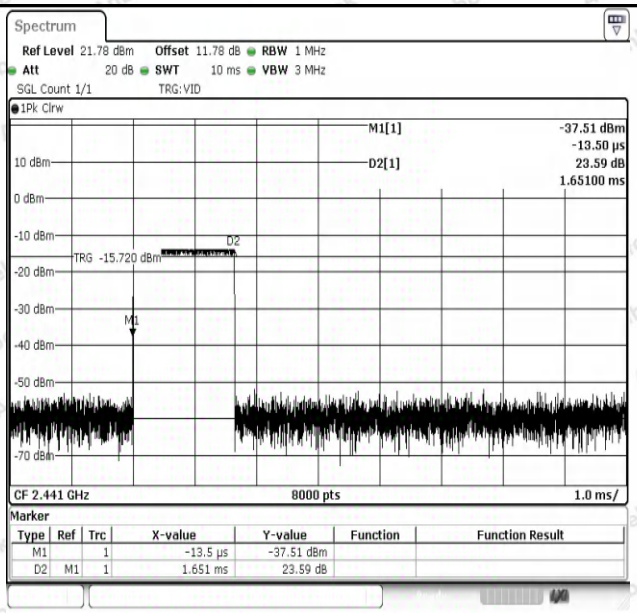
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.395	316	0.125	≤0.4	PASS
DH3	Ant1	Hop	1.651	161	0.266	≤0.4	PASS
DH5	Ant1	Hop	2.899	105	0.304	≤0.4	PASS
2DH1	Ant1	Hop	0.405	318	0.129	≤0.4	PASS
2DH3	Ant1	Hop	1.656	167	0.277	≤0.4	PASS
2DH5	Ant1	Hop	2.904	103	0.299	≤0.4	PASS
3DH1	Ant1	Hop	0.406	315	0.128	≤0.4	PASS
3DH3	Ant1	Hop	1.656	153	0.253	≤0.4	PASS
3DH5	Ant1	Hop	2.908	111	0.323	≤0.4	PASS

Test Graphs

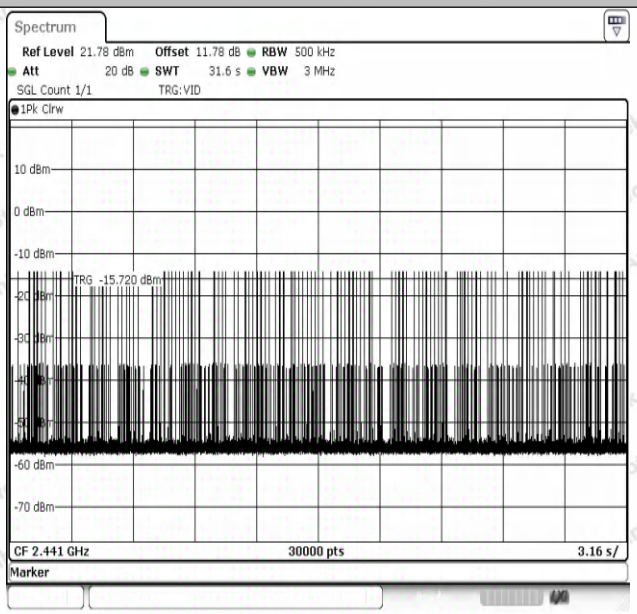


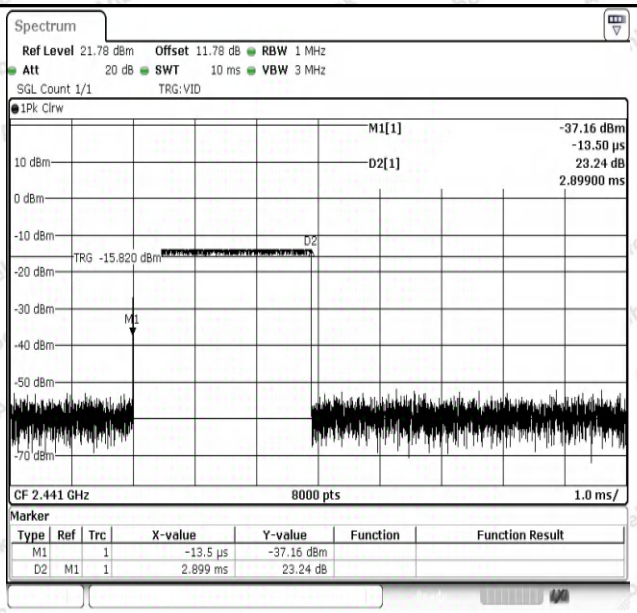
DH1-Ant1-Hop-PASS



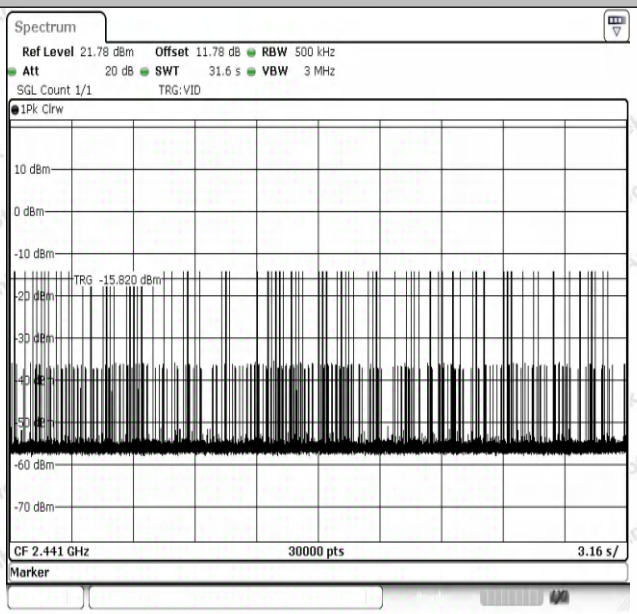


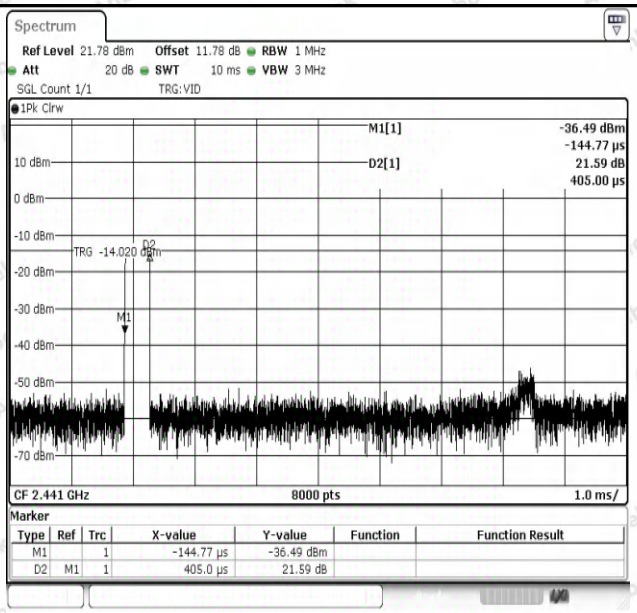
DH3-Ant1-Hop-PASS



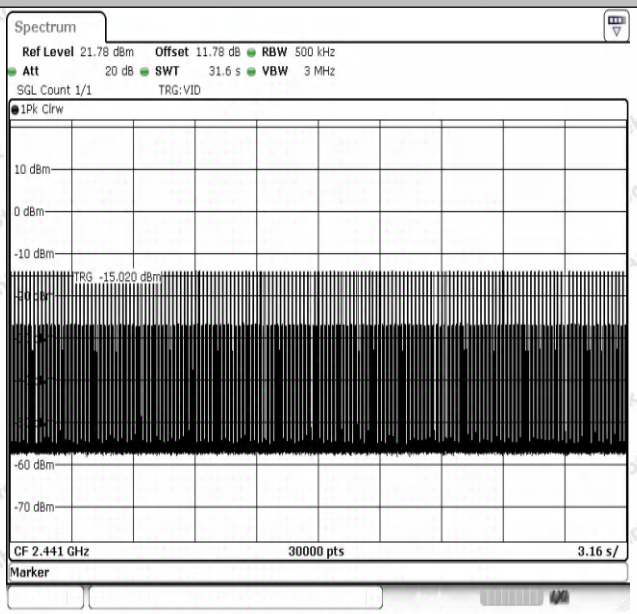


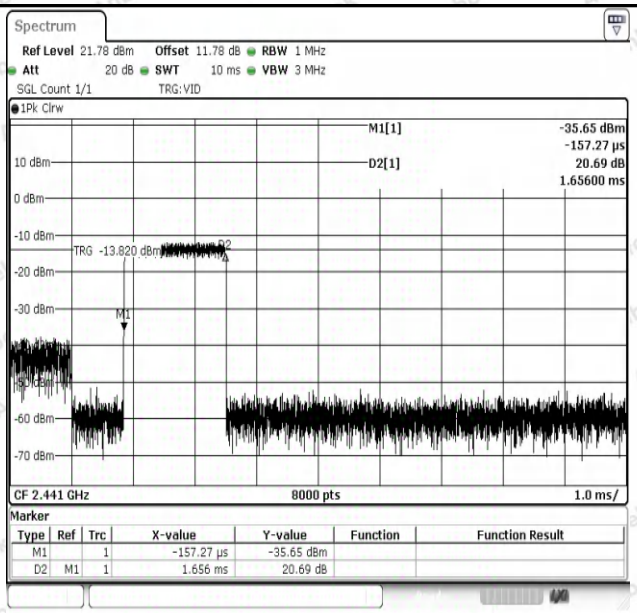
DH5-Ant1-Hop-PASS



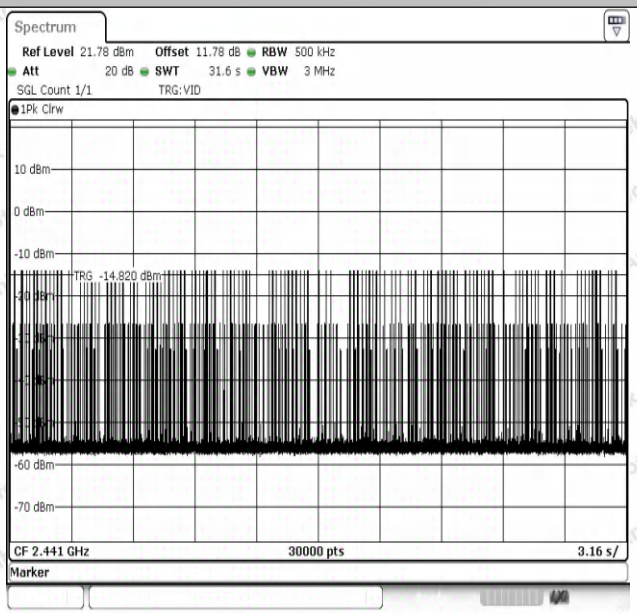


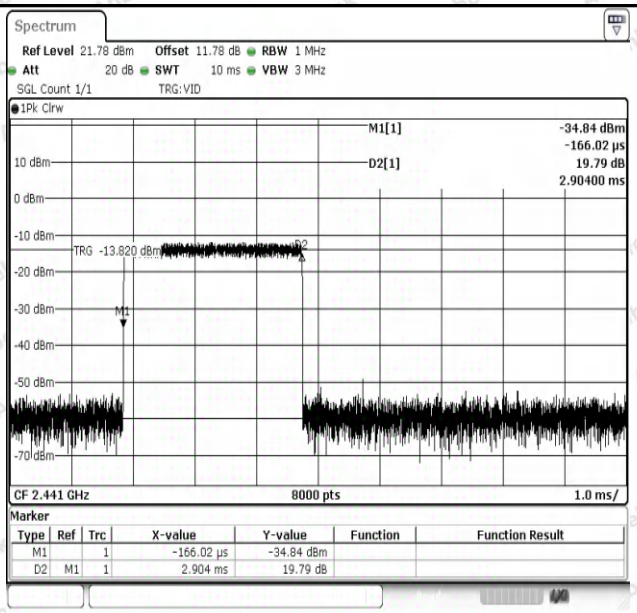
2DH1-Ant1-Hop-PASS



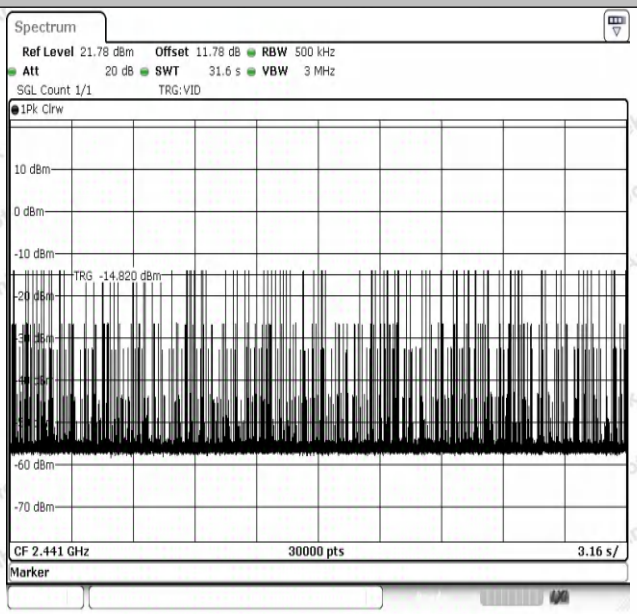


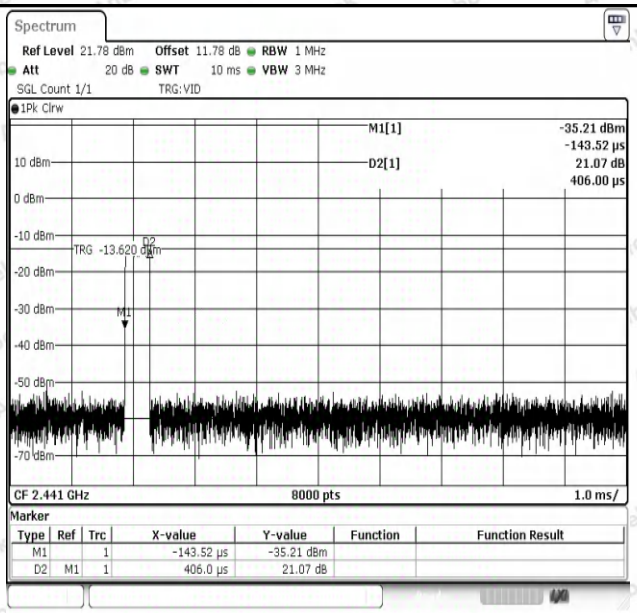
2DH3-Ant1-Hop-PASS



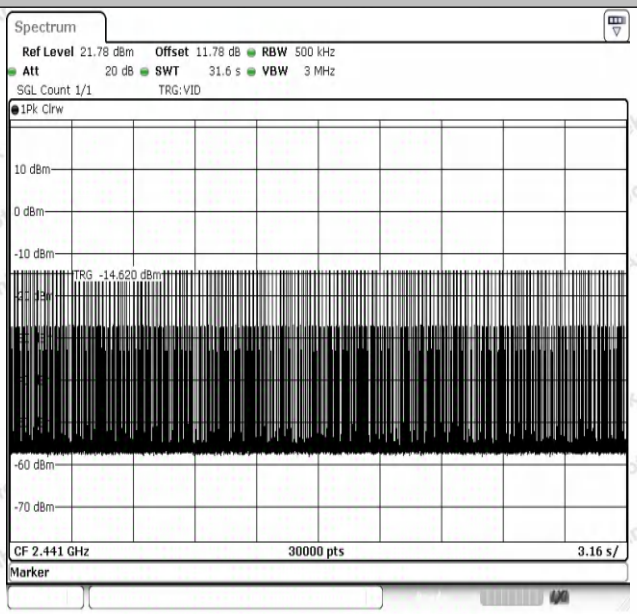


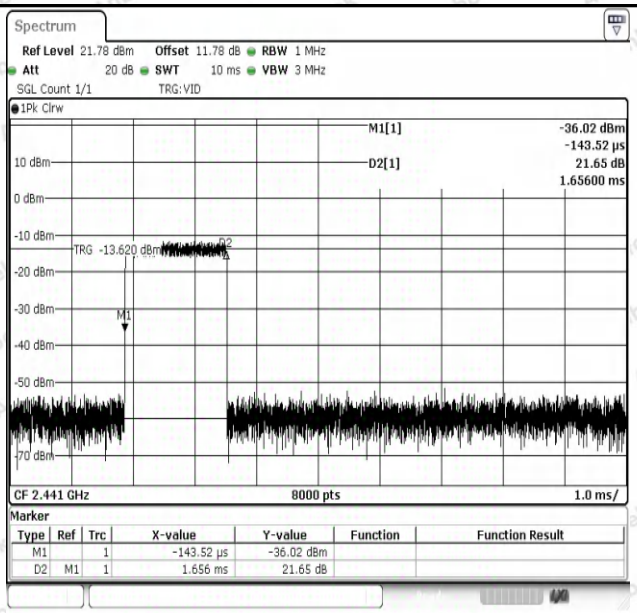
2DH5-Ant1-Hop-PASS



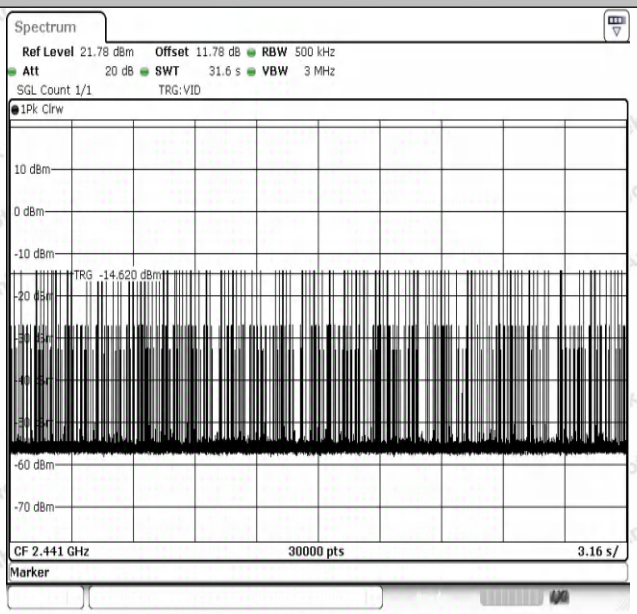


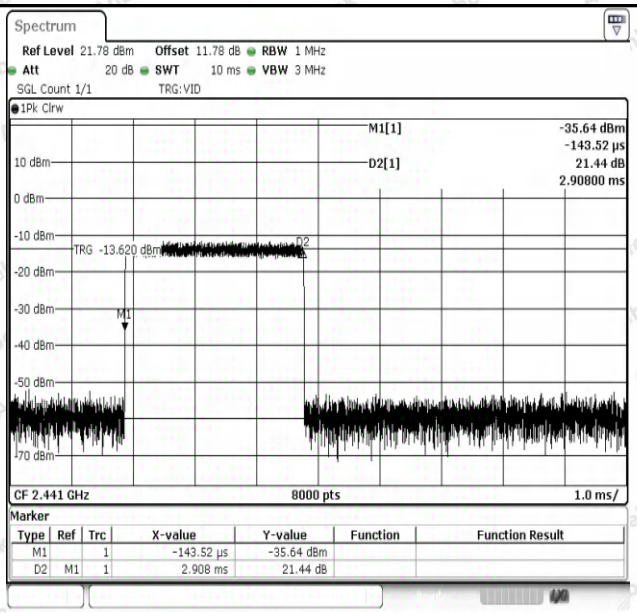
3DH1-Ant1-Hop-PASS



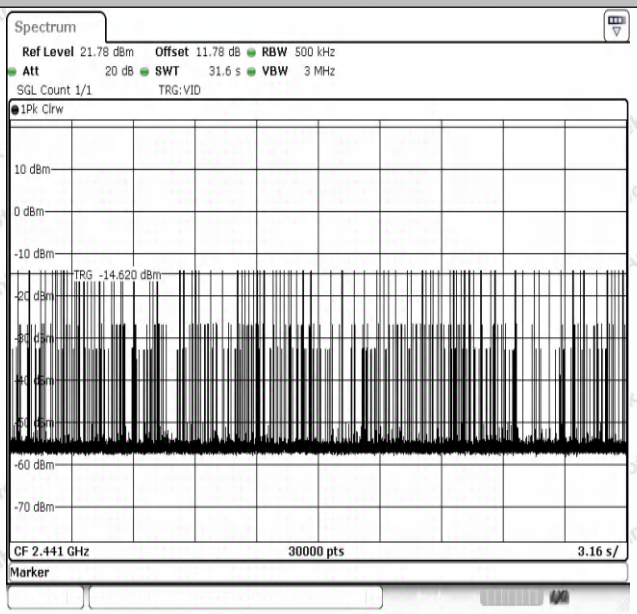


3DH3-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS

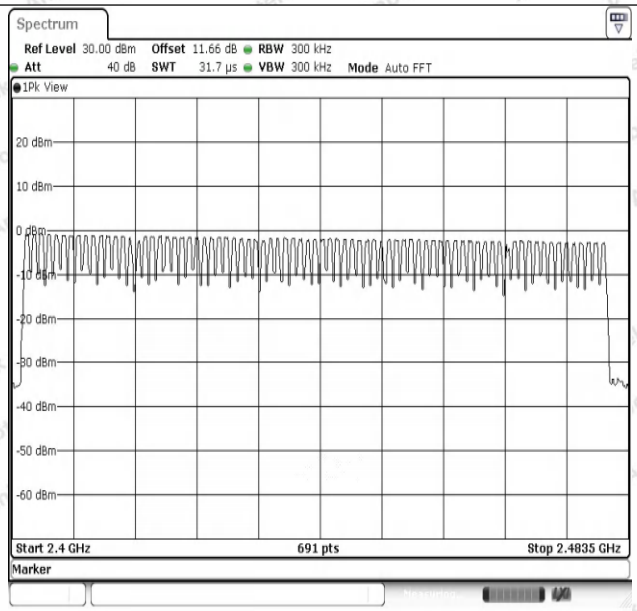


Appendix F: Number of hopping channels

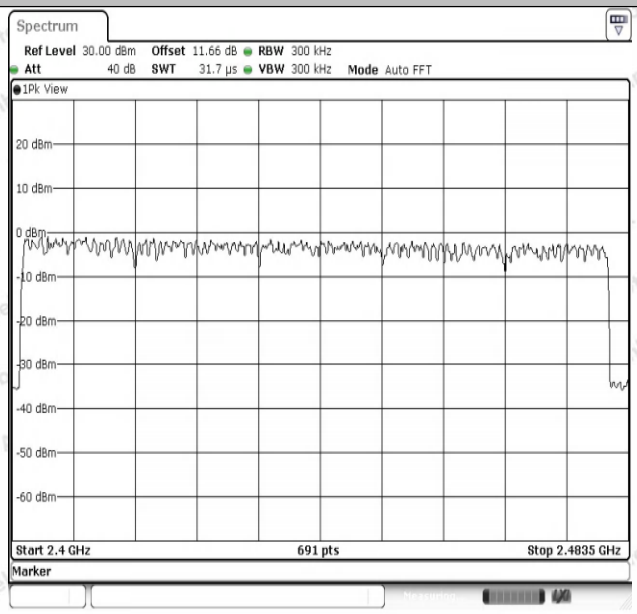
Test Result

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

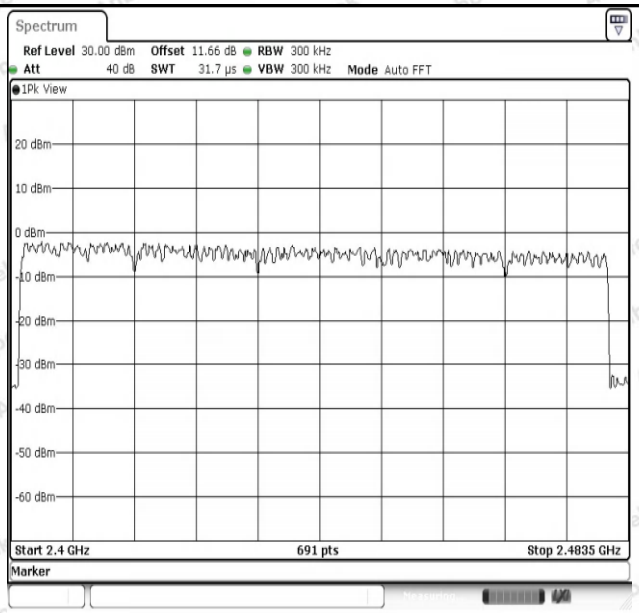
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



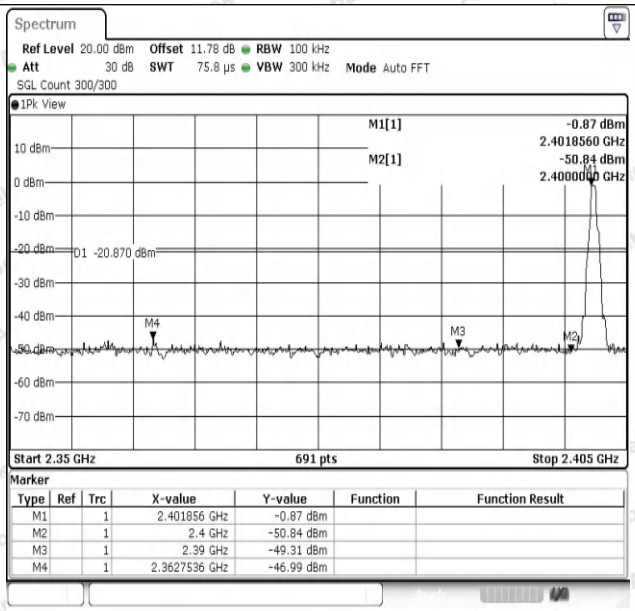
3DH5-Ant1-Hop-PASS

Appendix G: Band edge measurements

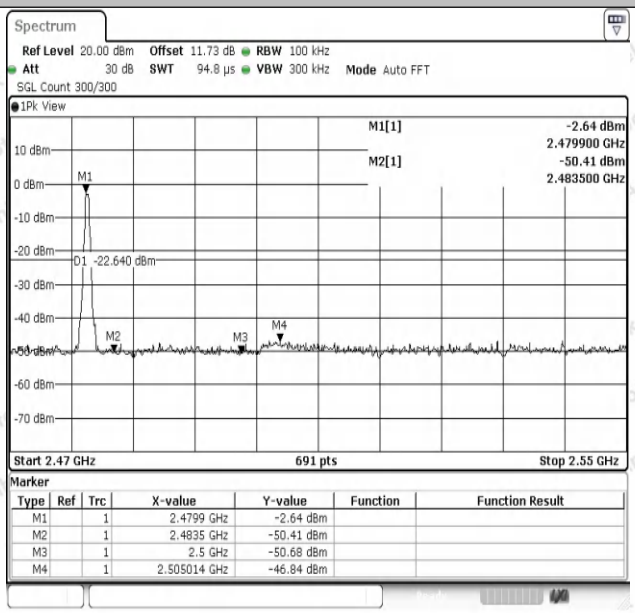
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.87	-46.99	≤-20.87	PASS
DH5	Ant1	High	2480	-2.64	-46.84	≤-22.64	PASS
DH5	Ant1	Low	Hop_2402	-1.56	-46.83	≤-21.56	PASS
DH5	Ant1	High	Hop_2480	-3.27	-46.65	≤-23.27	PASS
2DH5	Ant1	Low	2402	-1.39	-46.68	≤-21.39	PASS
2DH5	Ant1	High	2480	-2.65	-46.56	≤-22.65	PASS
2DH5	Ant1	Low	Hop_2402	-1.26	-47.25	≤-21.26	PASS
2DH5	Ant1	High	Hop_2480	-3.98	-46.49	≤-23.98	PASS
3DH5	Ant1	Low	2402	-0.65	-48.13	≤-20.65	PASS
3DH5	Ant1	High	2480	-2.77	-46.53	≤-22.77	PASS
3DH5	Ant1	Low	Hop_2402	-1.89	-48.1	≤-21.89	PASS
3DH5	Ant1	High	Hop_2480	-3.16	-45.97	≤-23.16	PASS

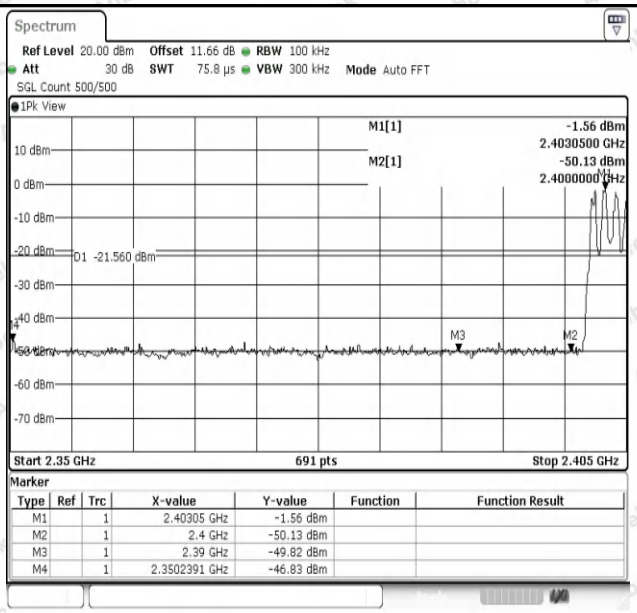
Test Graphs



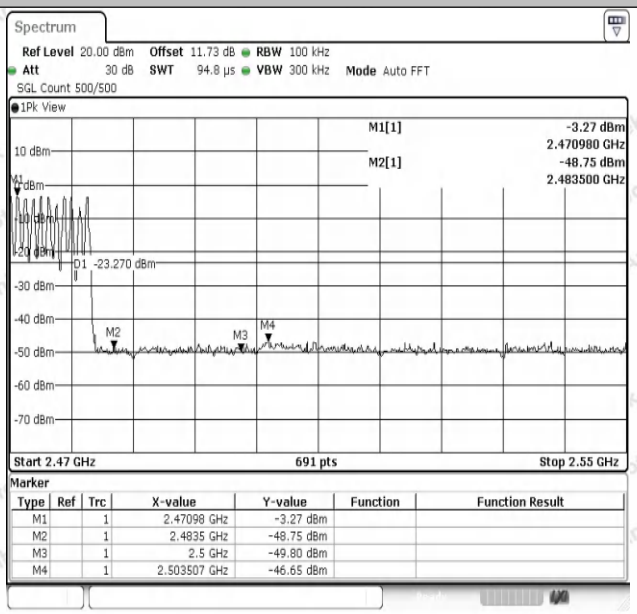
DH5-Ant1-2402-PASS



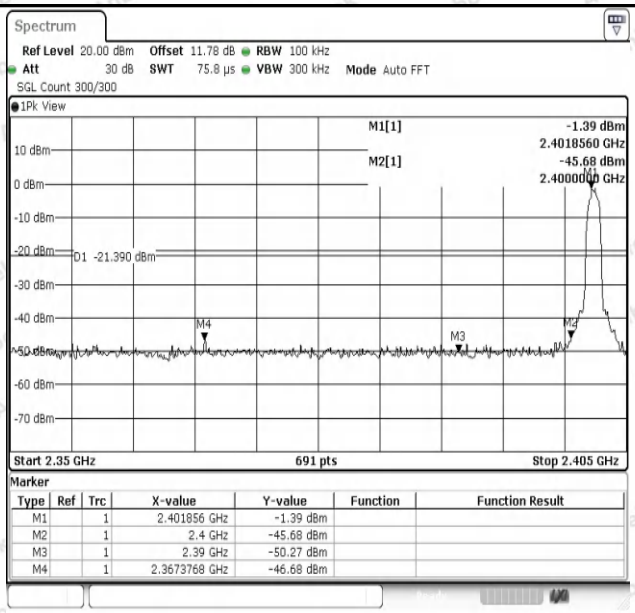
DH5-Ant1-2480-PASS



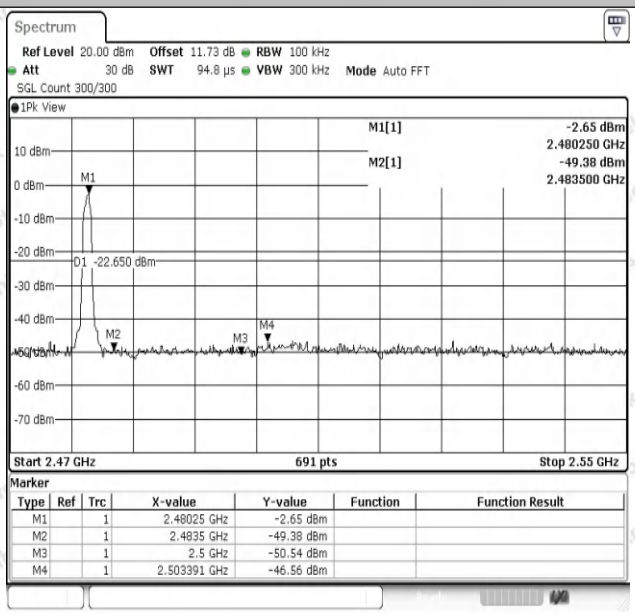
DH5-Ant1-Hop_2402-PASS



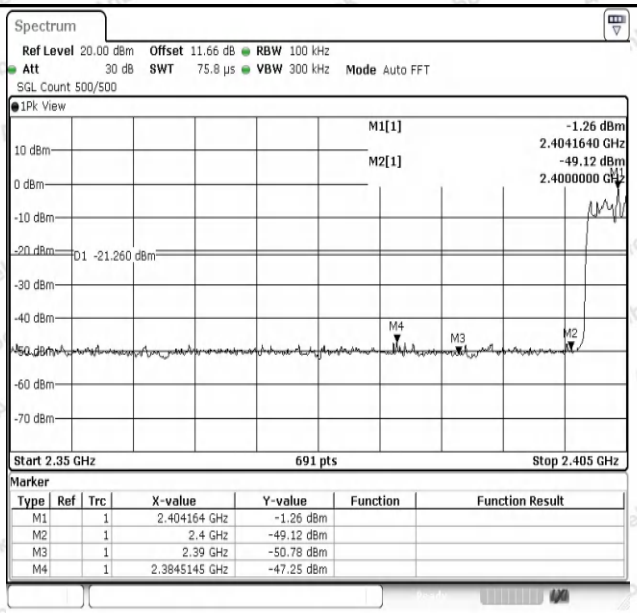
DH5-Ant1-Hop_2480-PASS



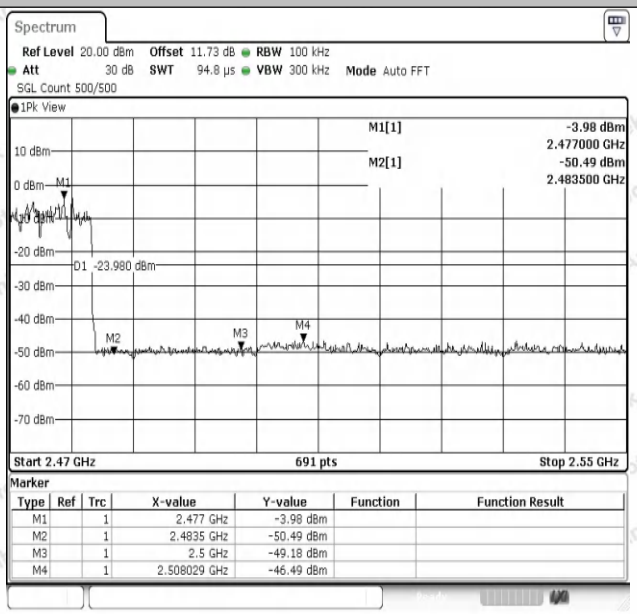
2DH5-Ant1-2402-PASS



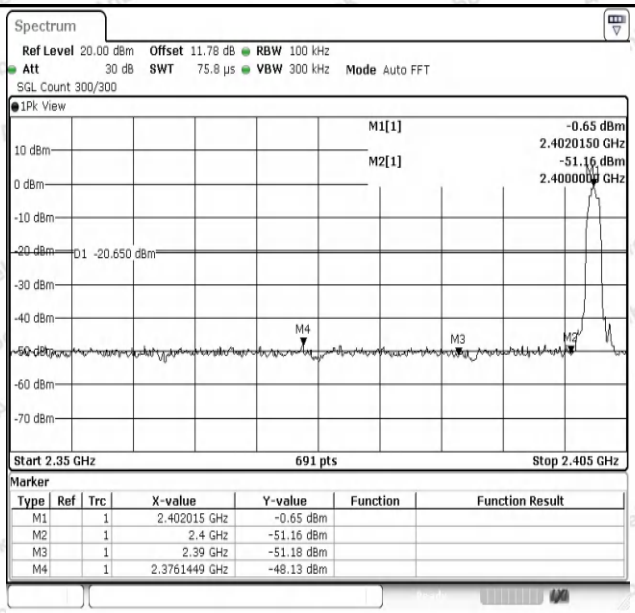
2DH5-Ant1-2480-PASS



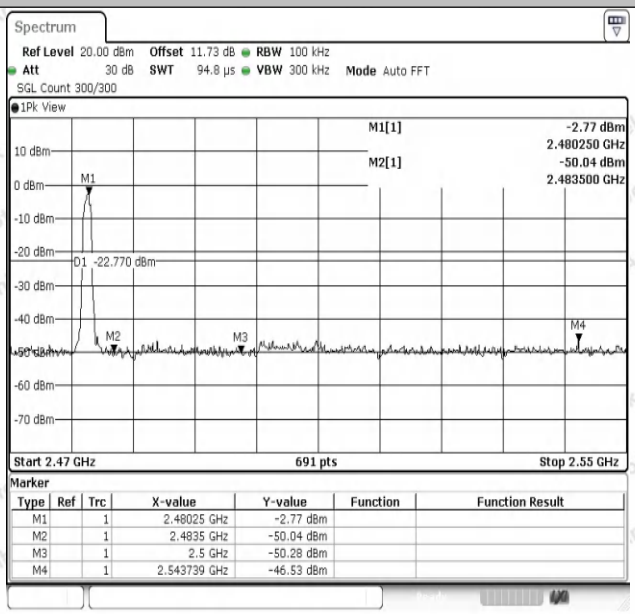
2DH5-Ant1-Hop_2402-PASS



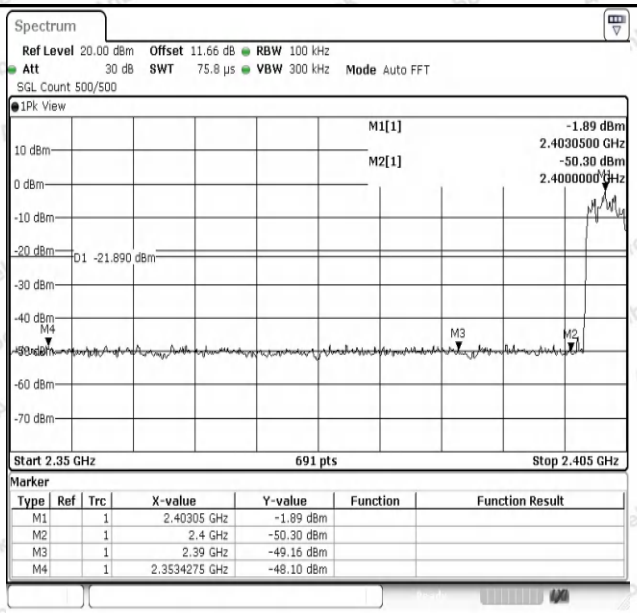
2DH5-Ant1-Hop_2480-PASS



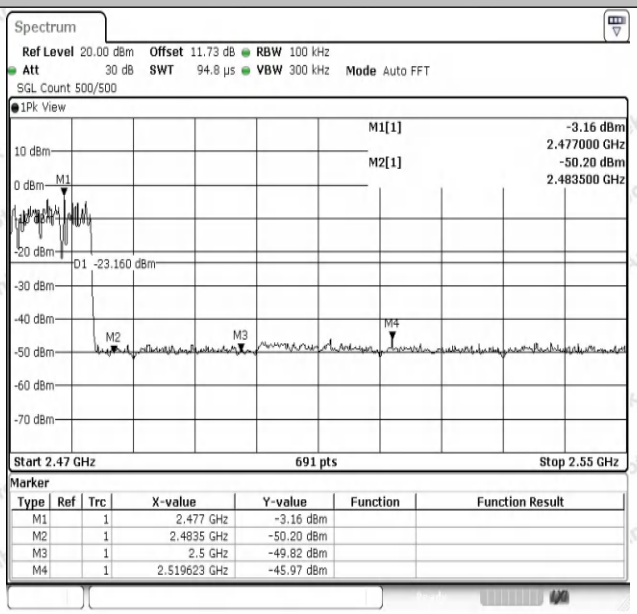
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



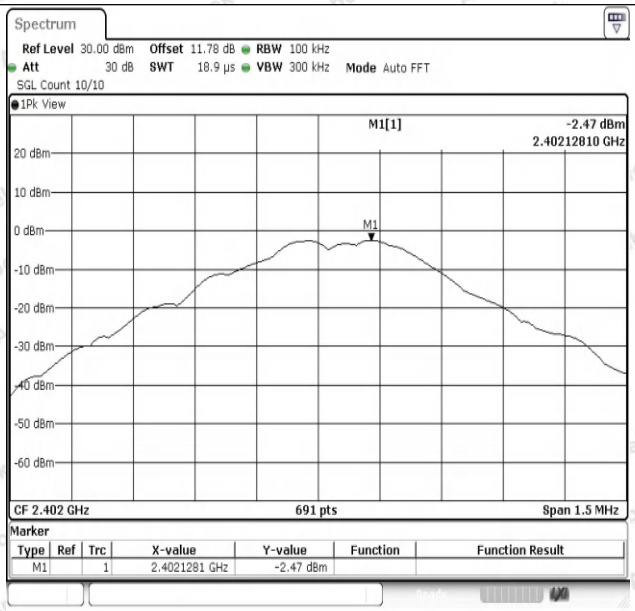
3DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

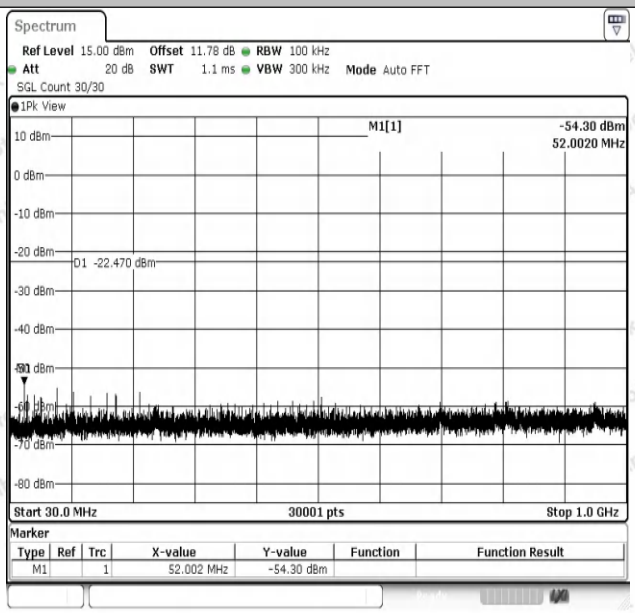
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-2.47	-2.47	---	PASS
DH5	Ant1	2402	30~1000	-2.47	-54.3	≤-22.47	PASS
DH5	Ant1	2402	1000~26500	-2.47	-55.15	≤-22.47	PASS
DH5	Ant1	2441	0~Reference	-2.75	-2.75	---	PASS
DH5	Ant1	2441	30~1000	-2.75	-54.91	≤-22.75	PASS
DH5	Ant1	2441	1000~26500	-2.75	-54.56	≤-22.75	PASS
DH5	Ant1	2480	0~Reference	-3.38	-3.38	---	PASS
DH5	Ant1	2480	30~1000	-3.38	-52.23	≤-23.38	PASS
DH5	Ant1	2480	1000~26500	-3.38	-55.33	≤-23.38	PASS
2DH5	Ant1	2402	0~Reference	-2.19	-2.19	---	PASS
2DH5	Ant1	2402	30~1000	-2.19	-52.22	≤-22.19	PASS
2DH5	Ant1	2402	1000~26500	-2.19	-55.14	≤-22.19	PASS
2DH5	Ant1	2441	0~Reference	-5.81	-5.81	---	PASS
2DH5	Ant1	2441	30~1000	-5.81	-53.98	≤-25.81	PASS
2DH5	Ant1	2441	1000~26500	-5.81	-54.37	≤-25.81	PASS
2DH5	Ant1	2480	0~Reference	-3.48	-3.48	---	PASS
2DH5	Ant1	2480	30~1000	-3.48	-55.24	≤-23.48	PASS
2DH5	Ant1	2480	1000~26500	-3.48	-54.61	≤-23.48	PASS
3DH5	Ant1	2402	0~Reference	-4.57	-4.57	---	PASS
3DH5	Ant1	2402	30~1000	-4.57	-55.05	≤-24.57	PASS
3DH5	Ant1	2402	1000~26500	-4.57	-55.09	≤-24.57	PASS
3DH5	Ant1	2441	0~Reference	-4.33	-4.33	---	PASS
3DH5	Ant1	2441	30~1000	-4.33	-54.08	≤-24.33	PASS
3DH5	Ant1	2441	1000~26500	-4.33	-54.17	≤-24.33	PASS
3DH5	Ant1	2480	0~Reference	-4.51	-4.51	---	PASS
3DH5	Ant1	2480	30~1000	-4.51	-54.6	≤-24.51	PASS
3DH5	Ant1	2480	1000~26500	-4.51	-55.1	≤-24.51	PASS

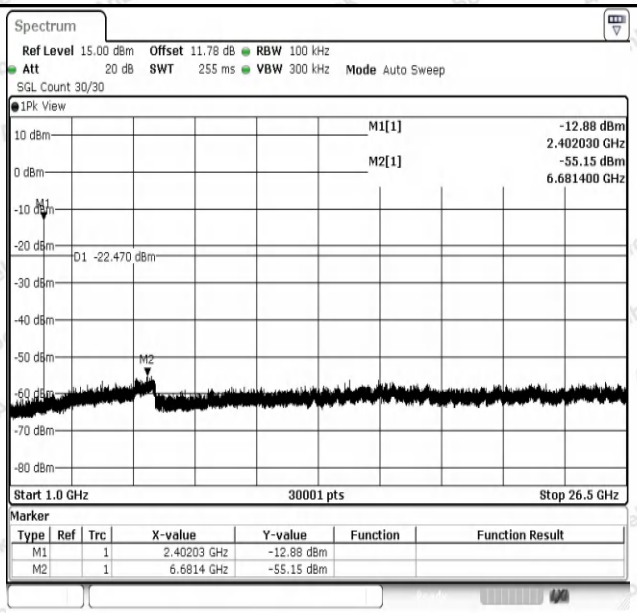
Test Graphs



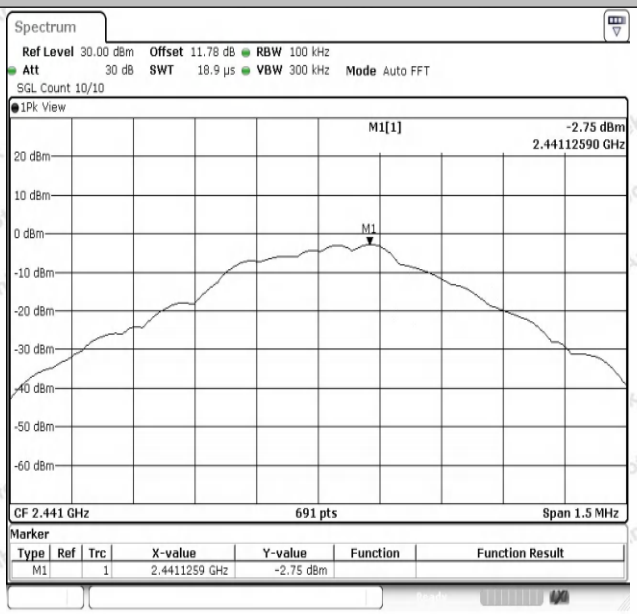
DH5-Ant1-2402-0~Reference-PASS



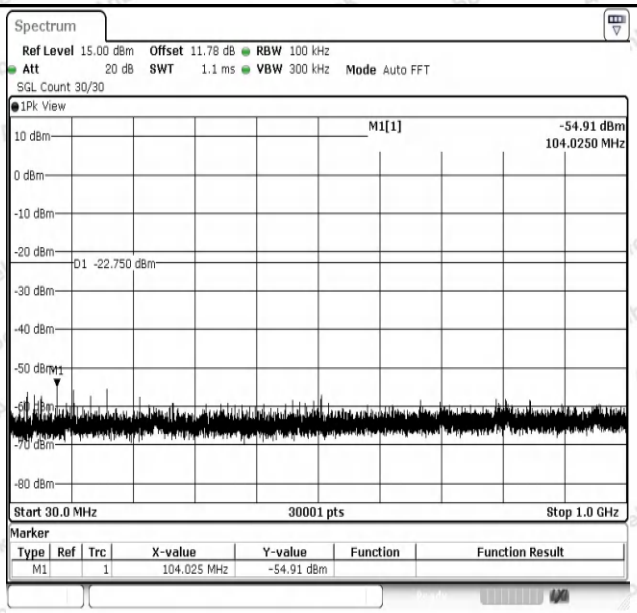
DH5-Ant1-2402-30~1000-PASS



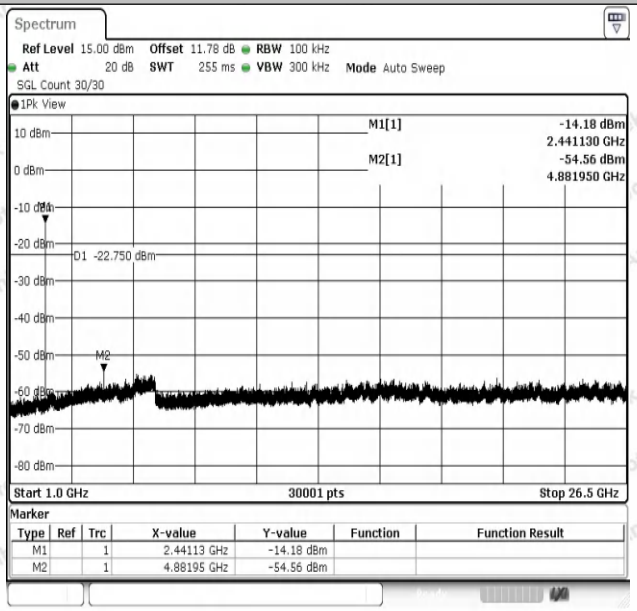
DH5-Ant1-2402-1000~26500-PASS



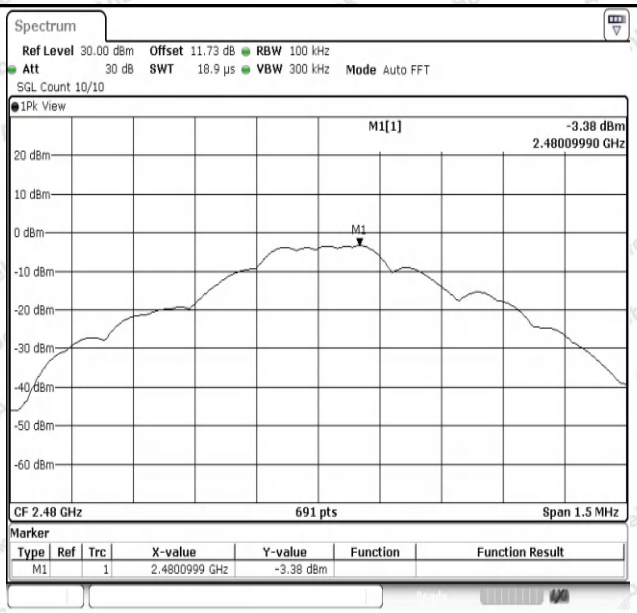
DH5-Ant1-2441-0~Reference-PASS



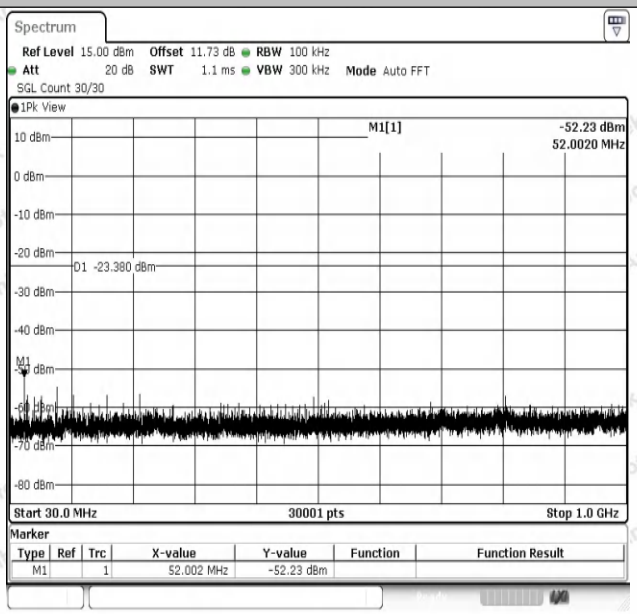
DH5-Ant1-2441-30~1000-PASS



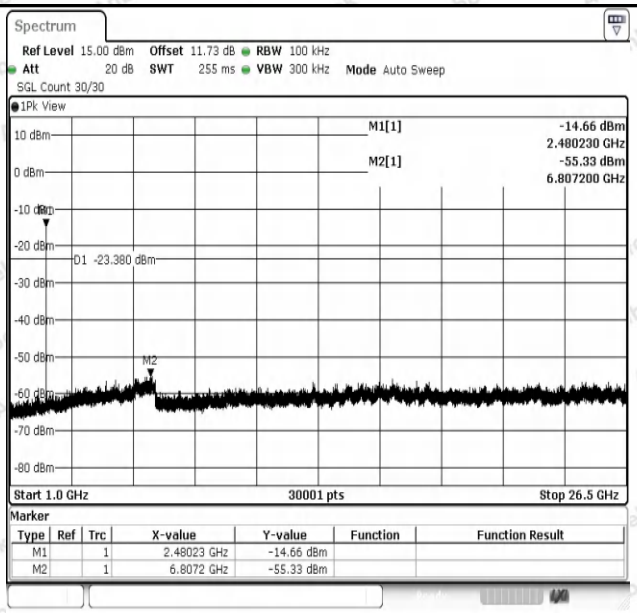
DH5-Ant1-2441-1000~26500-PASS



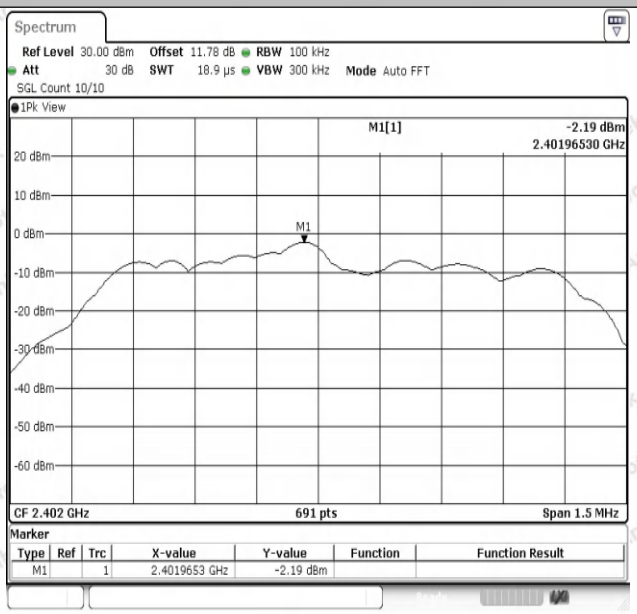
DH5-Ant1-2480-0~Reference-PASS



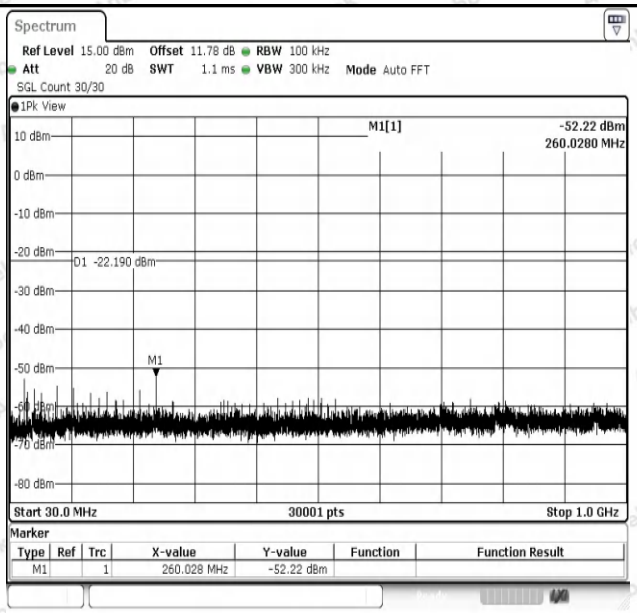
DH5-Ant1-2480-30~1000-PASS



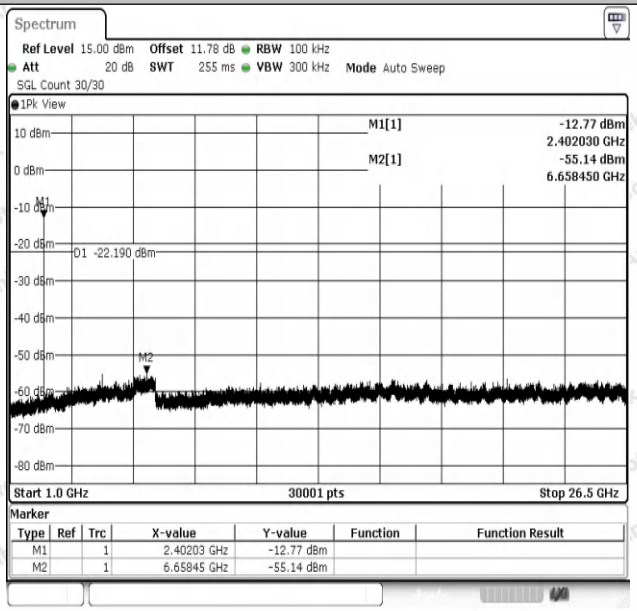
DH5-Ant1-2480-1000~26500-PASS



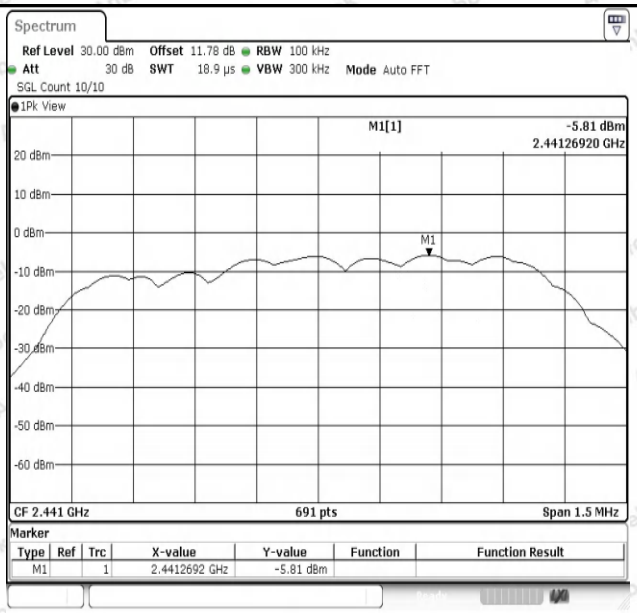
2DH5-Ant1-2402-0~Reference-PASS



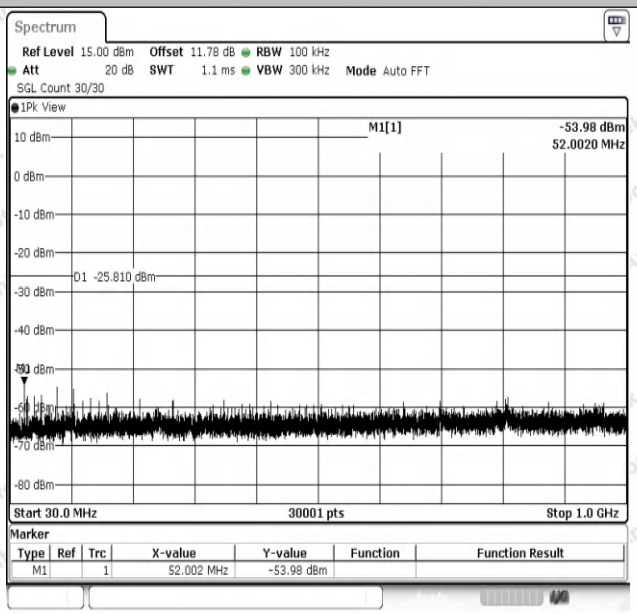
2DH5-Ant1-2402-30~1000-PASS



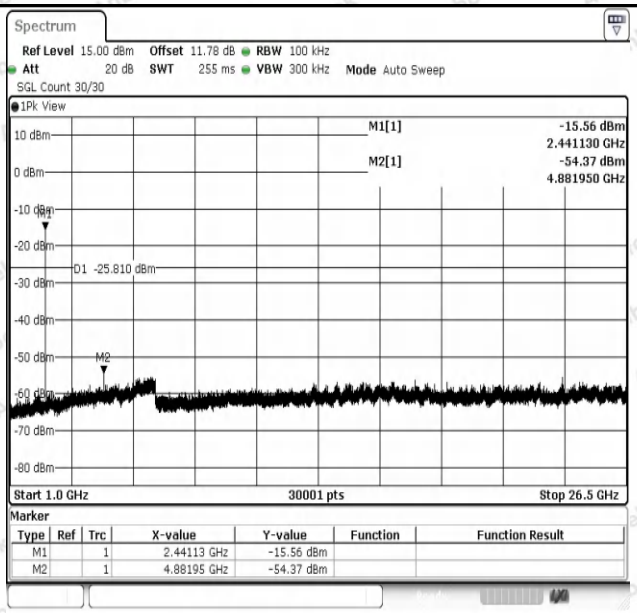
2DH5-Ant1-2402-1000~26500-PASS



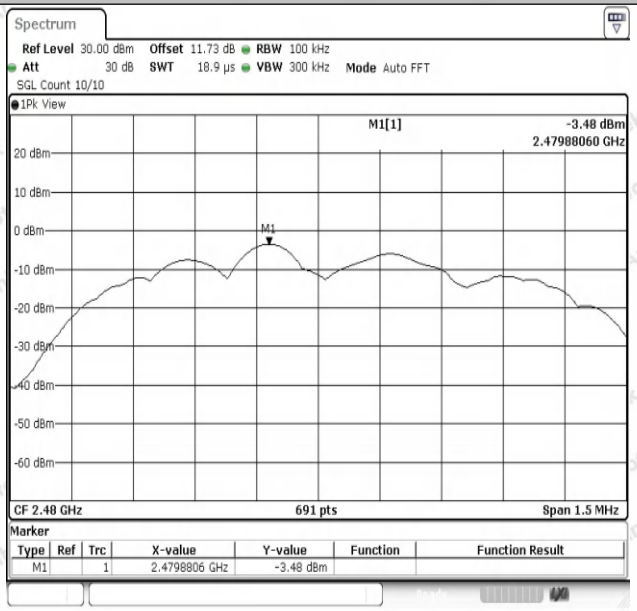
2DH5-Ant1-2441-0~Reference-PASS



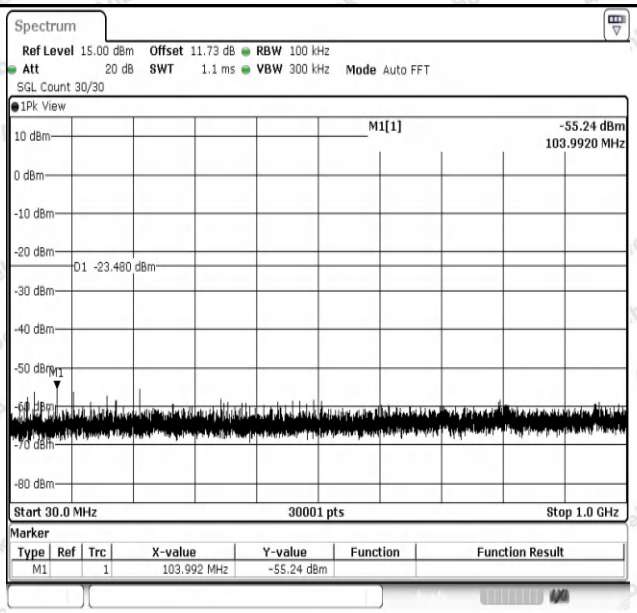
2DH5-Ant1-2441-30~1000-PASS



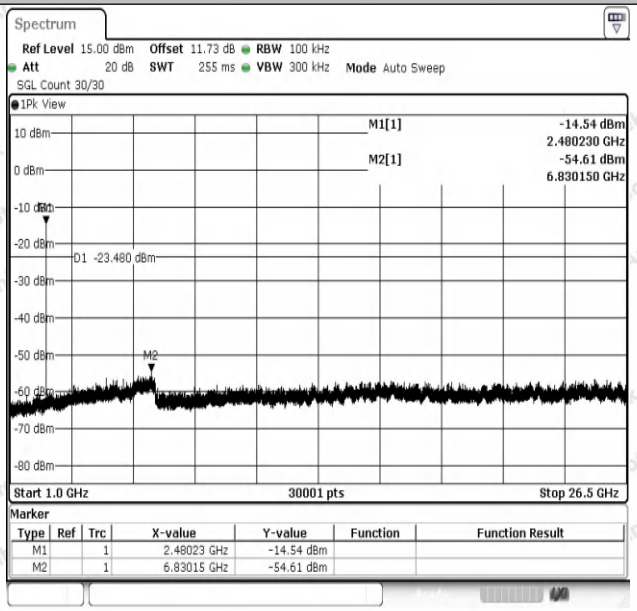
2DH5-Ant1-2441-1000~26500-PASS



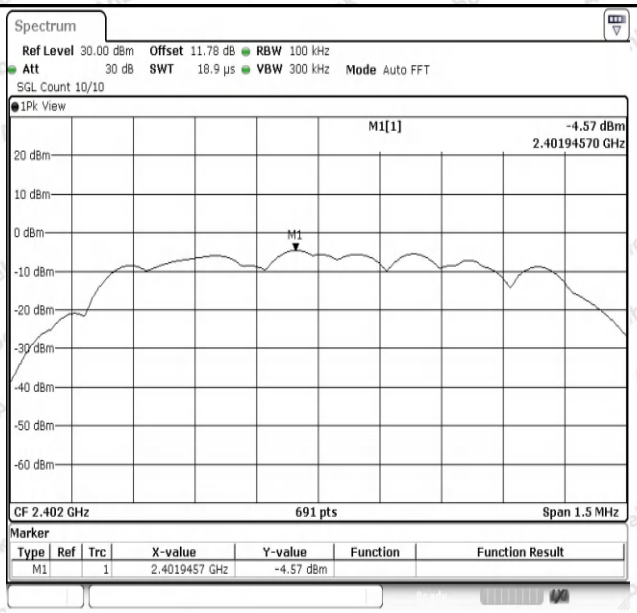
2DH5-Ant1-2480-0~Reference-PASS



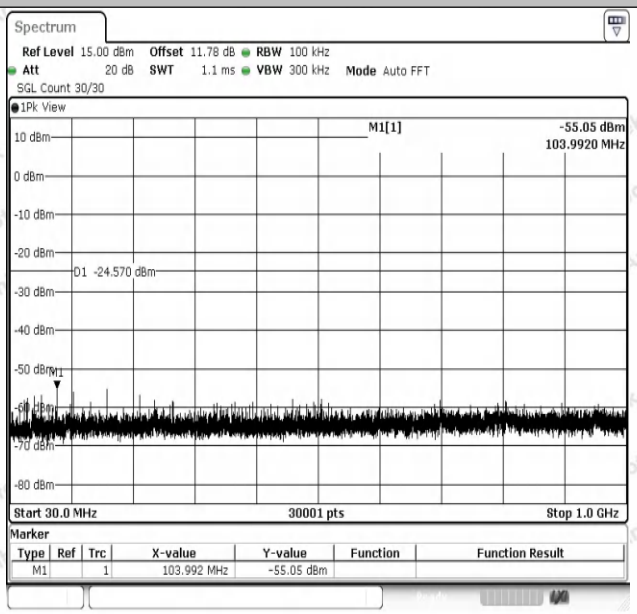
2DH5-Ant1-2480-30~1000-PASS



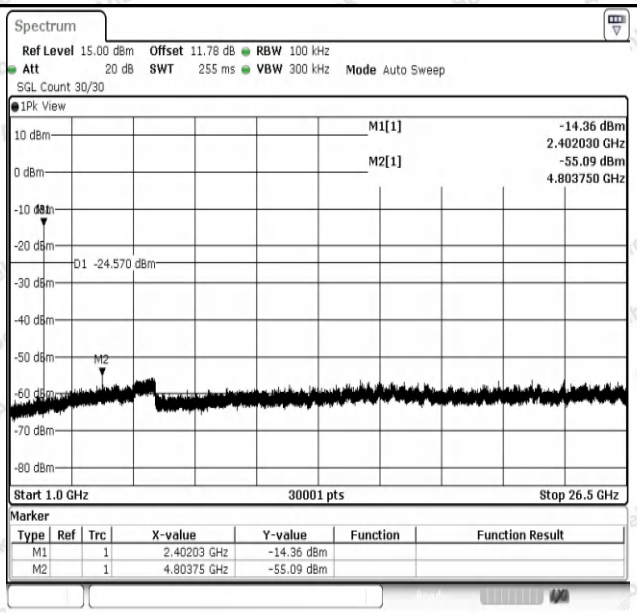
2DH5-Ant1-2480-1000~26500-PASS



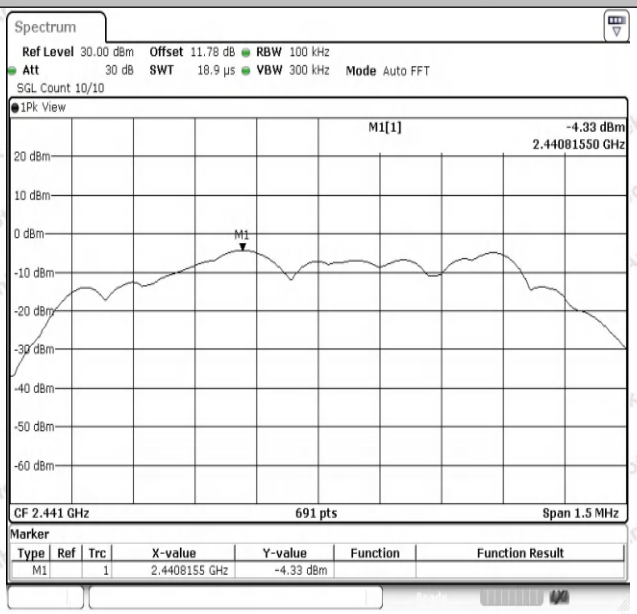
3DH5-Ant1-2402-0~Reference-PASS



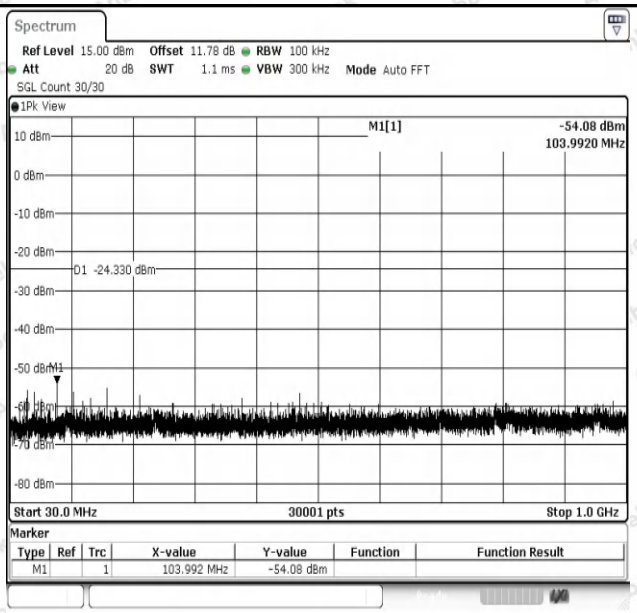
3DH5-Ant1-2402-30~1000-PASS



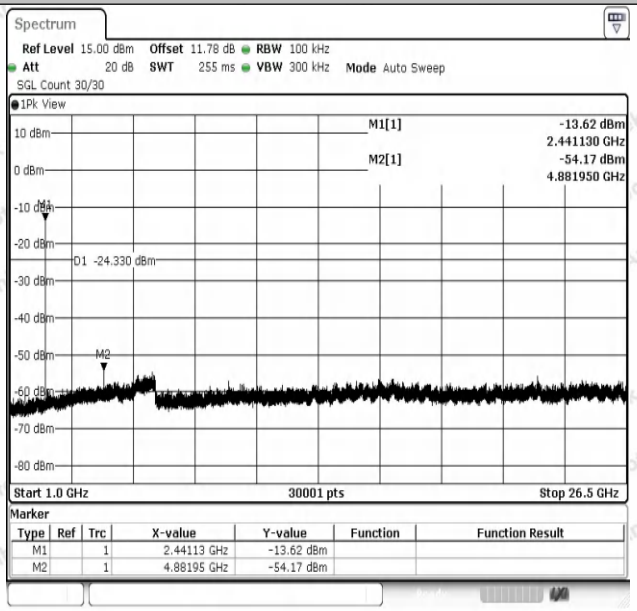
3DH5-Ant1-2402-1000~26500-PASS



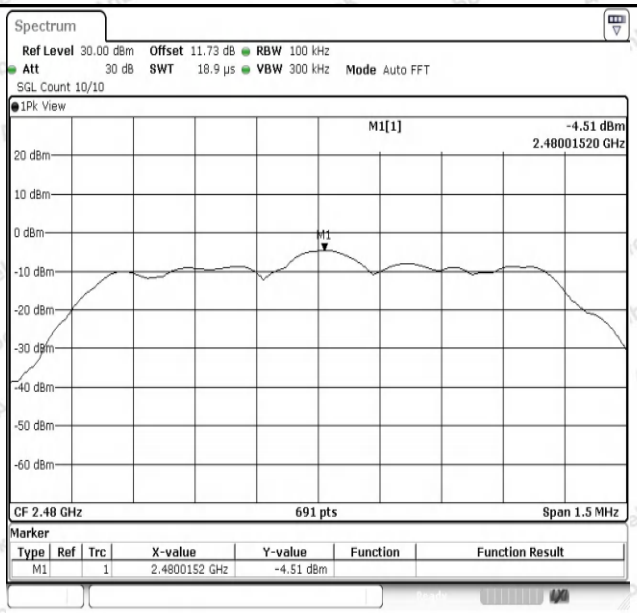
3DH5-Ant1-2441-0~Reference-PASS



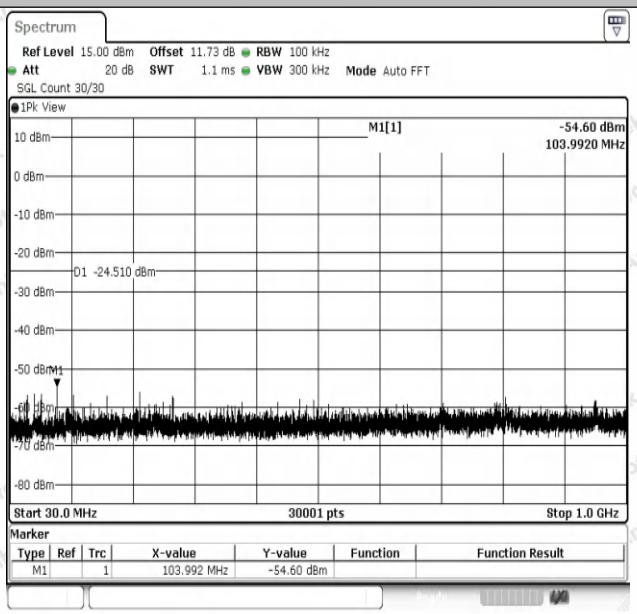
3DH5-Ant1-2441-30~1000-PASS



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



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



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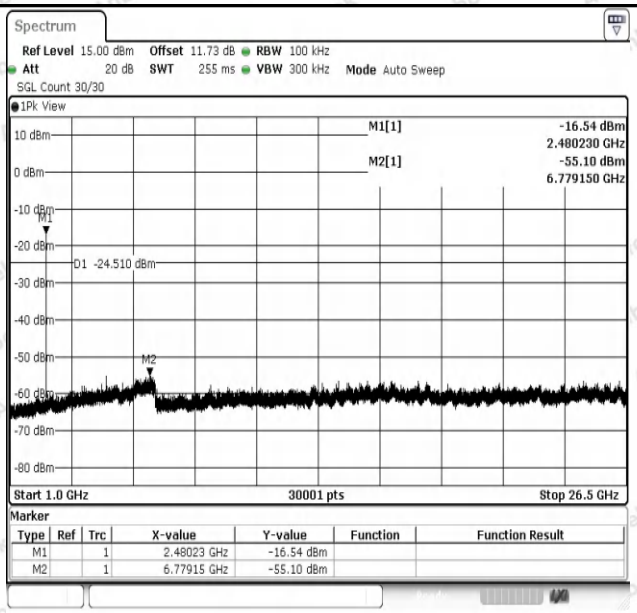

3DH5-Ant1-2480-1000~26500-PASS

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