

Appendix Test Data

Report No:	1819C40068012501	Test Sample NO:	1-2-2
Start Test Date:	2024.11.4	Finish Test Date:	2024.11.4
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.9℃	Relative Humidity:	49%
Pressure:	101 kPa		

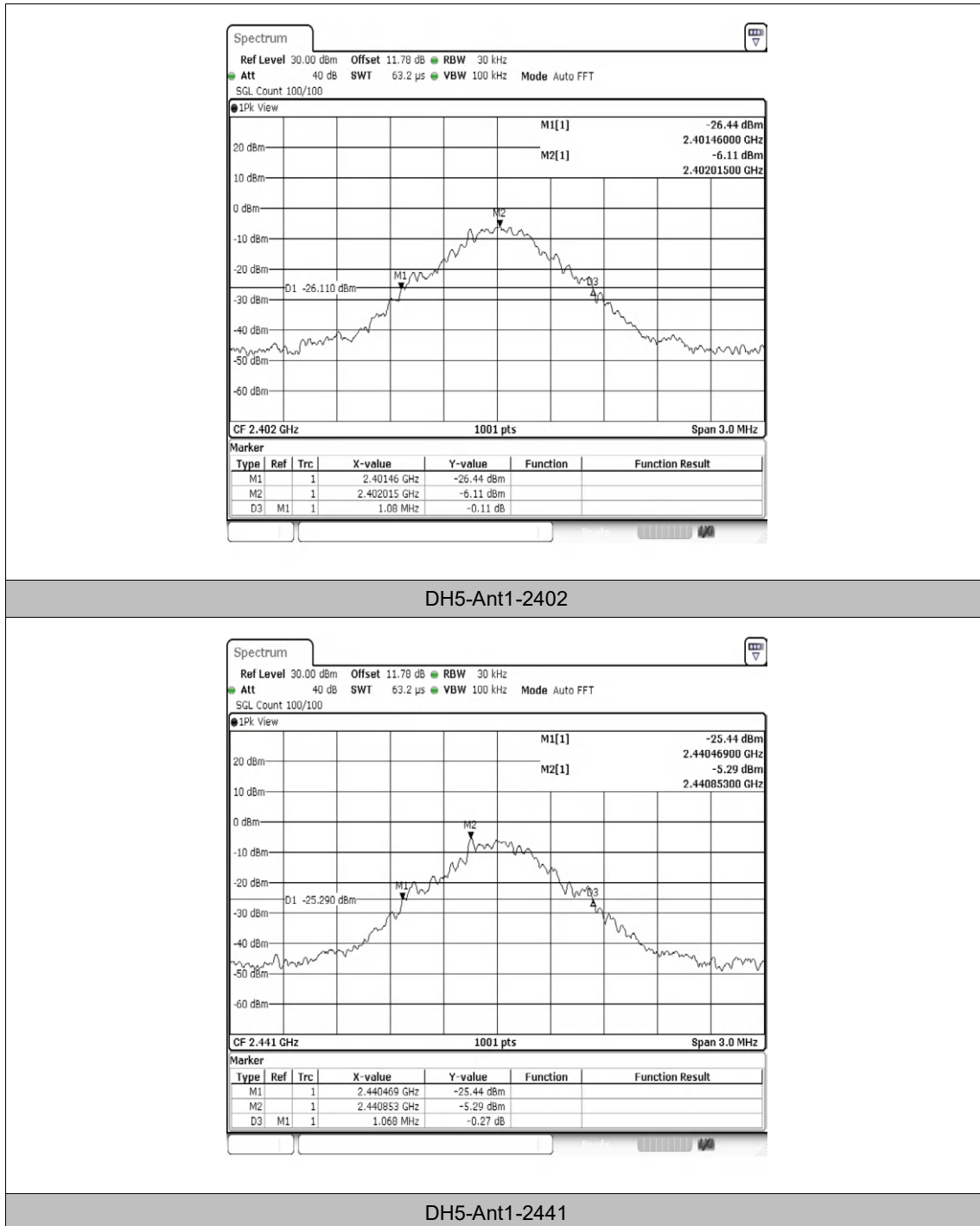
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.08	2401.46	2402.54	---	---
DH5	Ant1	2441	1.07	2440.47	2441.54	---	---
DH5	Ant1	2480	1.05	2479.49	2480.54	---	---
2DH5	Ant1	2402	1.32	2401.36	2402.67	---	---
2DH5	Ant1	2441	1.35	2440.34	2441.69	---	---
2DH5	Ant1	2480	1.33	2479.35	2480.68	---	---
3DH5	Ant1	2402	1.31	2401.36	2402.68	---	---
3DH5	Ant1	2441	1.29	2440.37	2441.66	---	---
3DH5	Ant1	2480	1.28	2479.36	2480.65	---	---

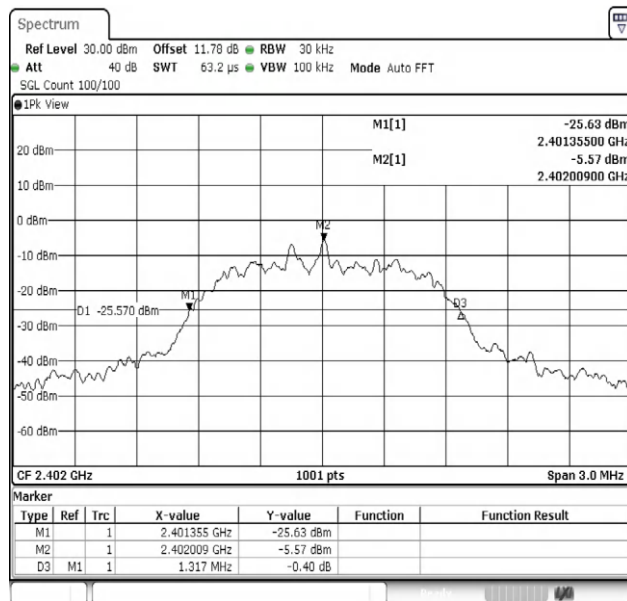


Test Graphs



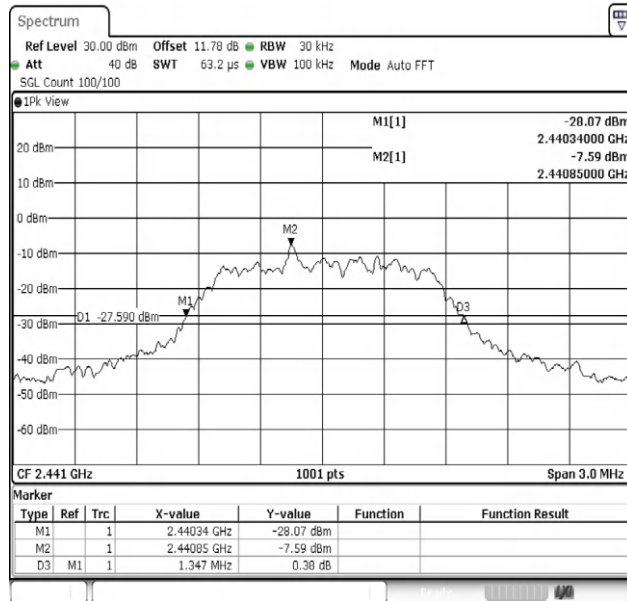


DH5-Ant1-2480

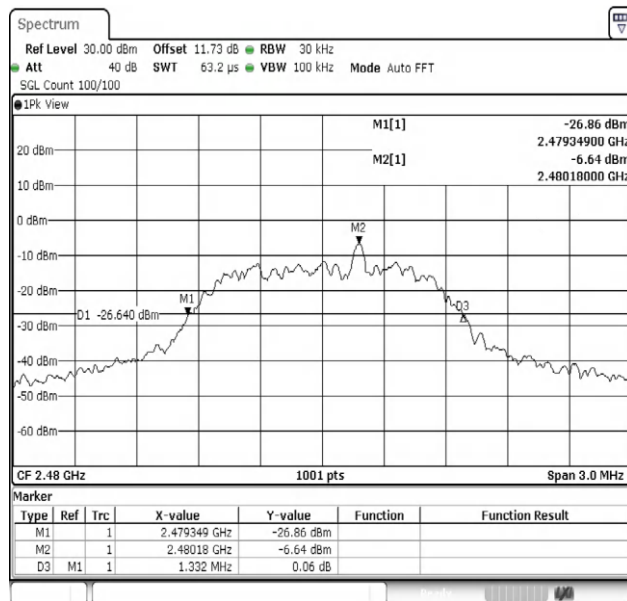


2DH5-Ant1-2402



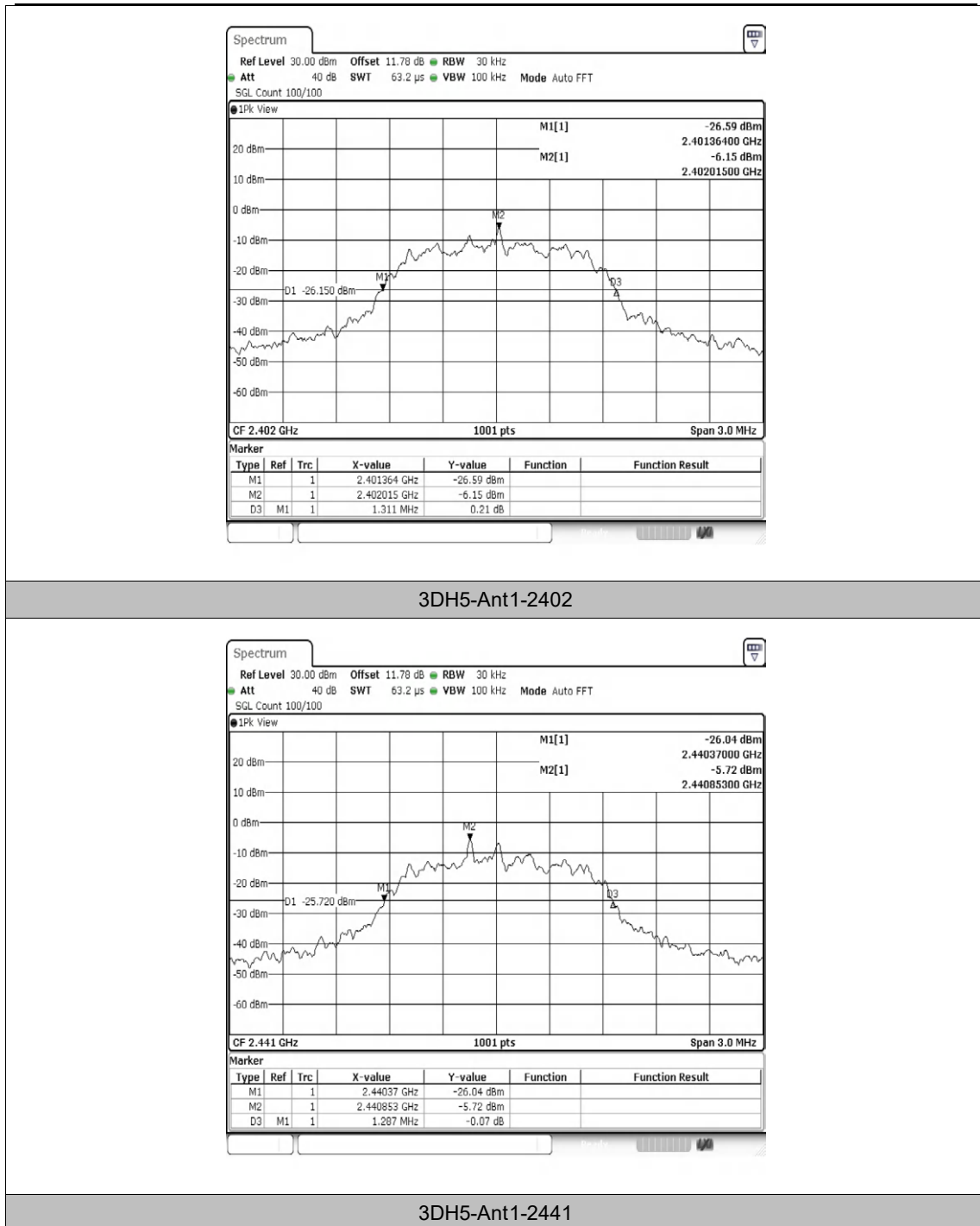


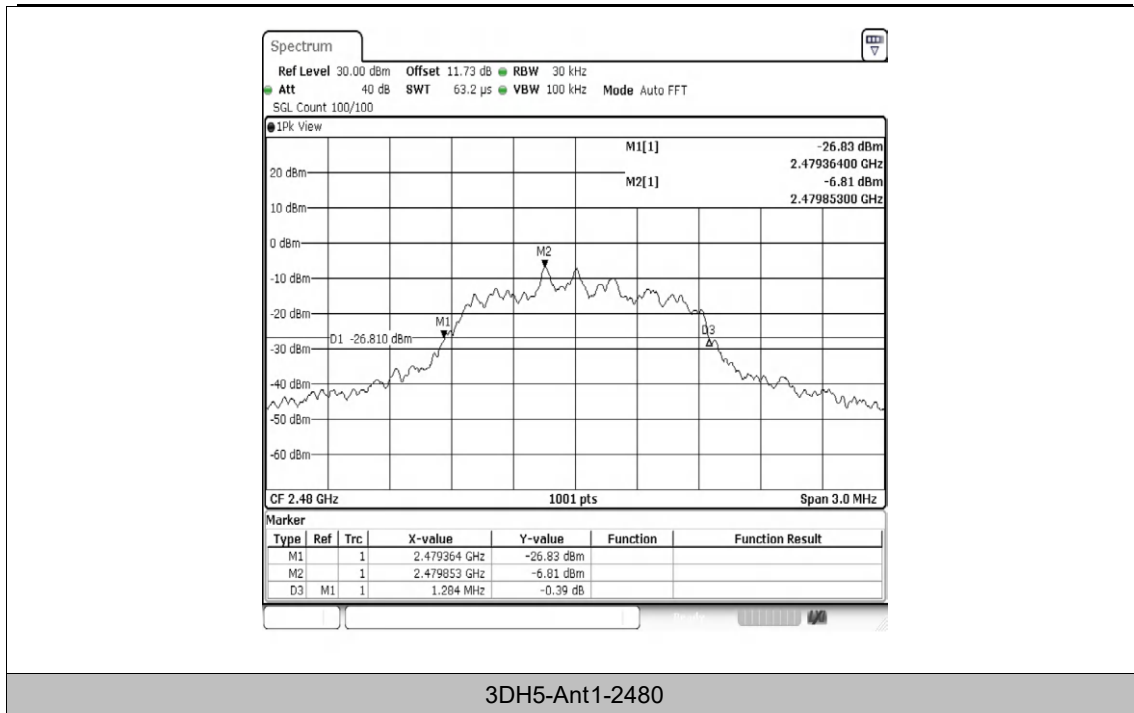
2DH5-Ant1-2441



2DH5-Ant1-2480







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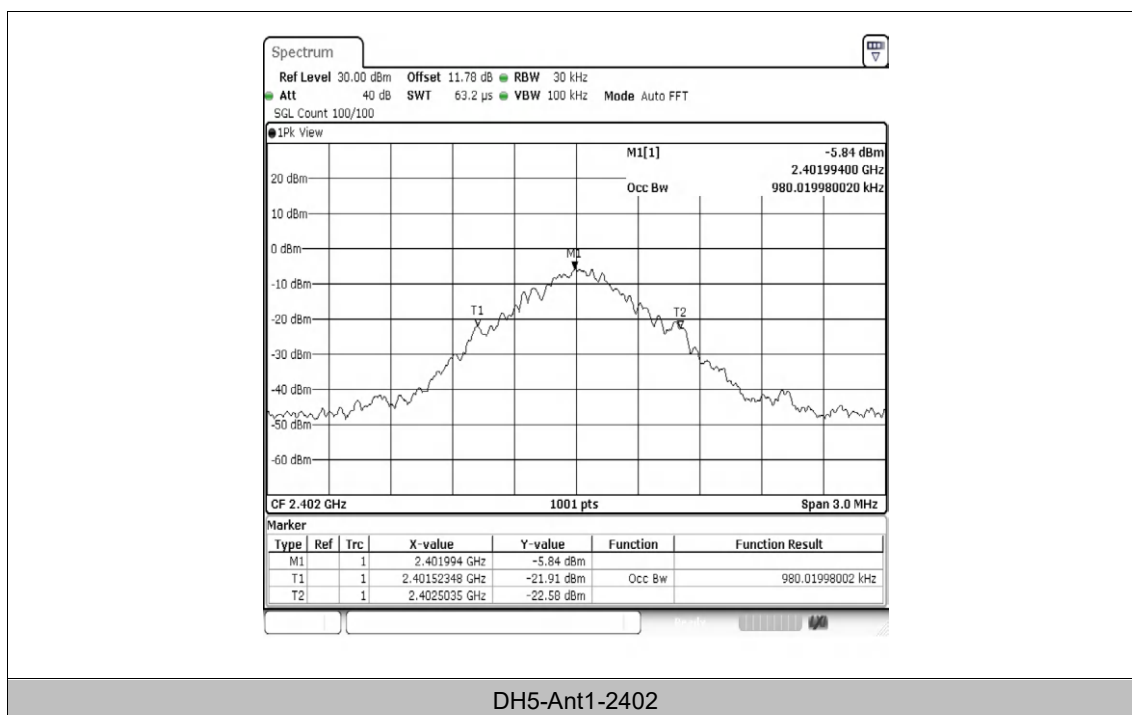


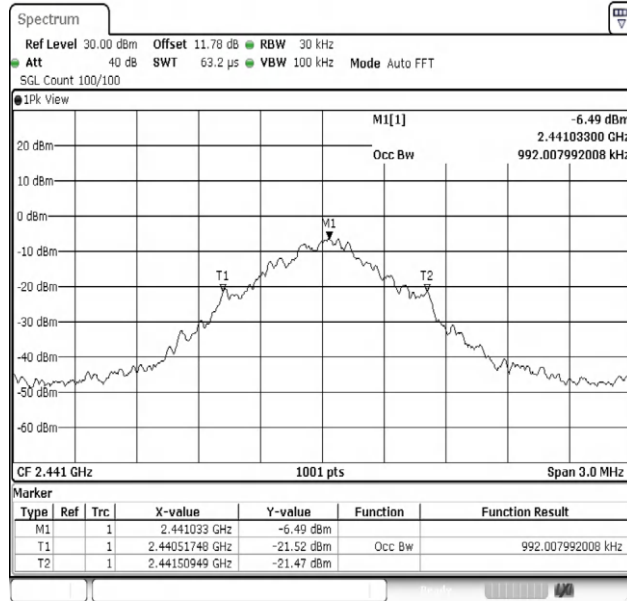
Appendix B: Occupied Channel Bandwidth

Test Result

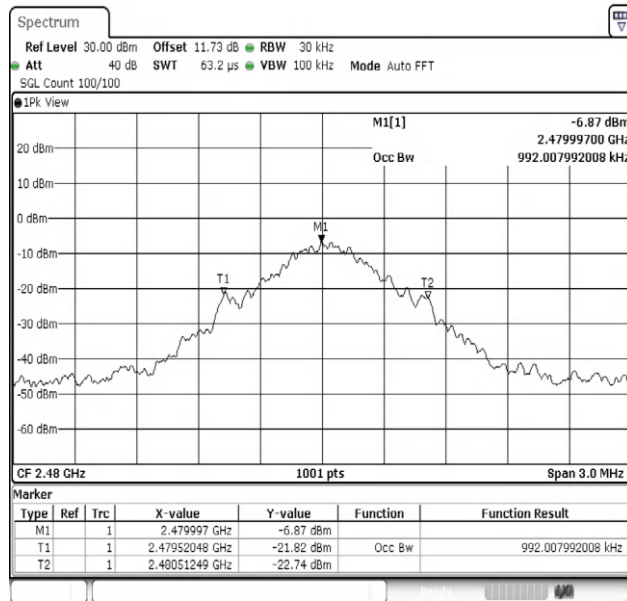
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.98	2401.5235	2402.5035	---	---
DH5	Ant1	2441	0.992	2440.5175	2441.5095	---	---
DH5	Ant1	2480	0.992	2479.5205	2480.5125	---	---
2DH5	Ant1	2402	1.238	2401.4006	2402.6384	---	---
2DH5	Ant1	2441	1.247	2440.3946	2441.6414	---	---
2DH5	Ant1	2480	1.256	2479.3976	2480.6533	---	---
3DH5	Ant1	2402	1.223	2401.4006	2402.6234	---	---
3DH5	Ant1	2441	1.241	2440.3886	2441.6294	---	---
3DH5	Ant1	2480	1.223	2479.4036	2480.6264	---	---

Test Graphs



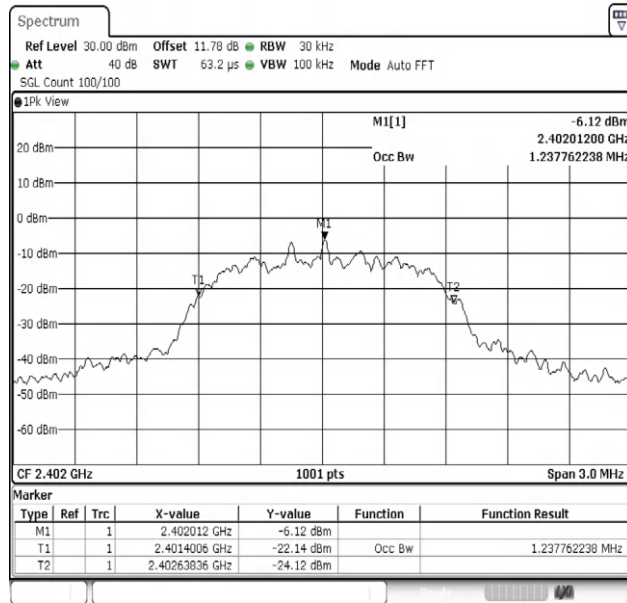


DH5-Ant1-2441

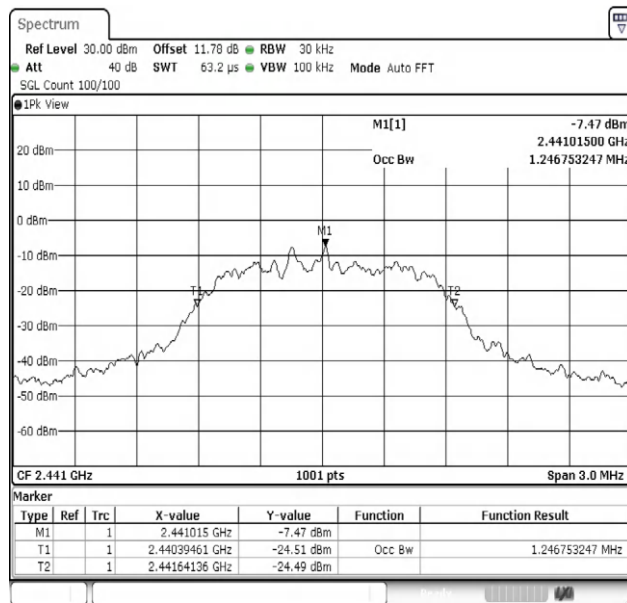


DH5-Ant1-2480



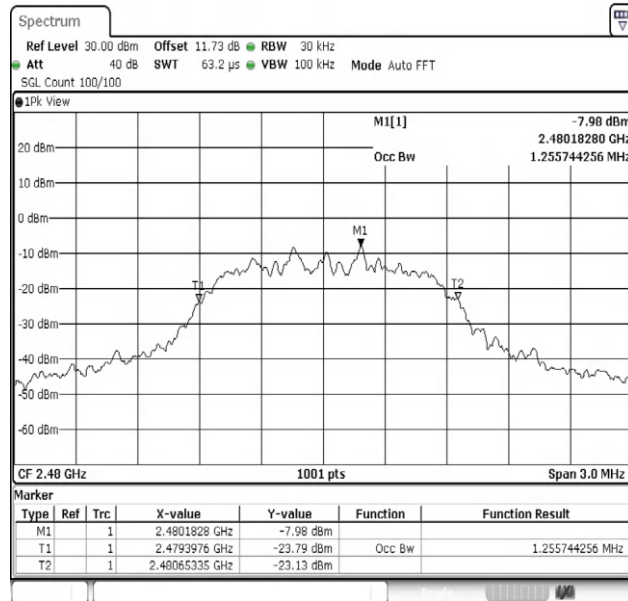


2DH5-Ant1-2402

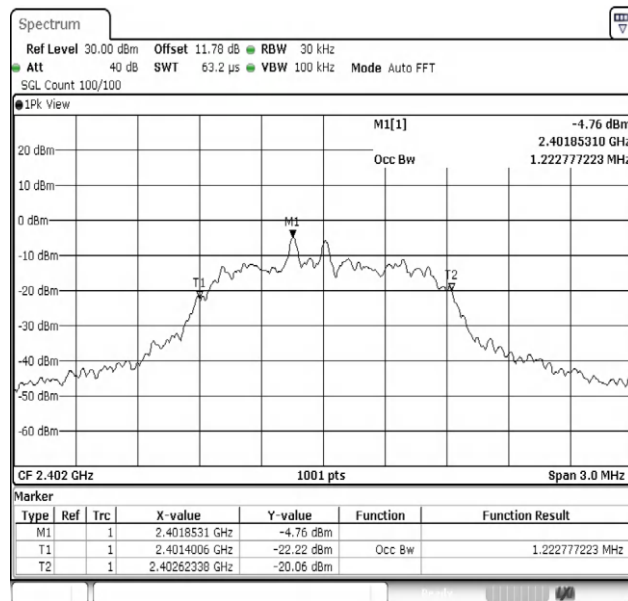


2DH5-Ant1-2441



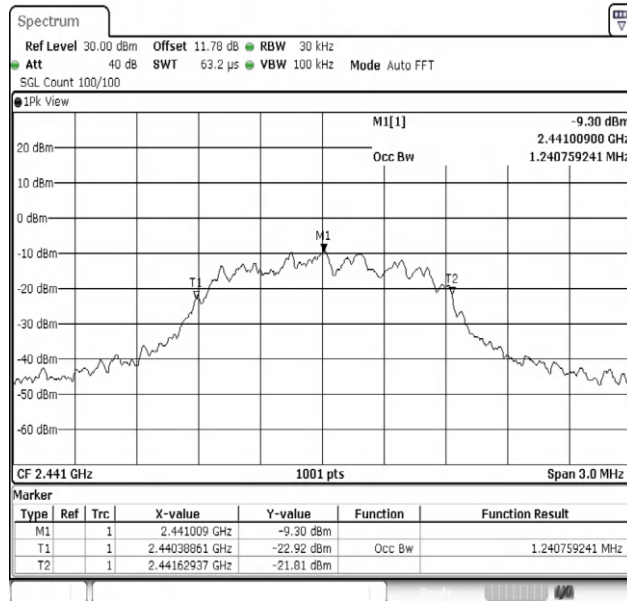


2DH5-Ant1-2480

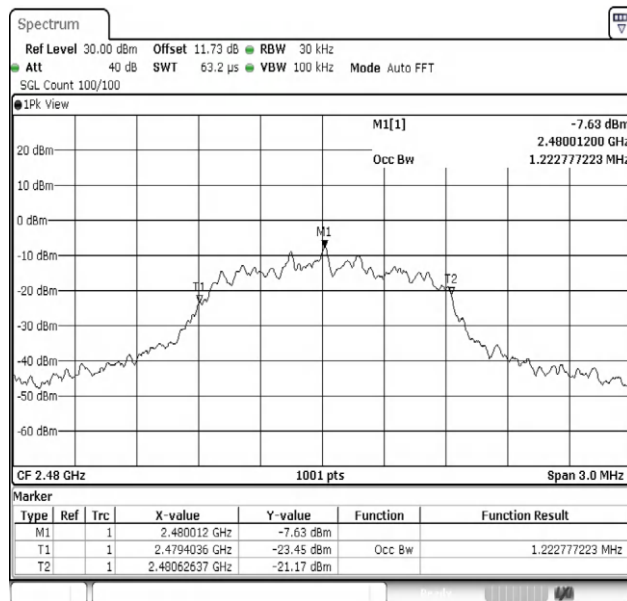


3DH5-Ant1-2402





3DH5-Ant1-2441



3DH5-Ant1-2480

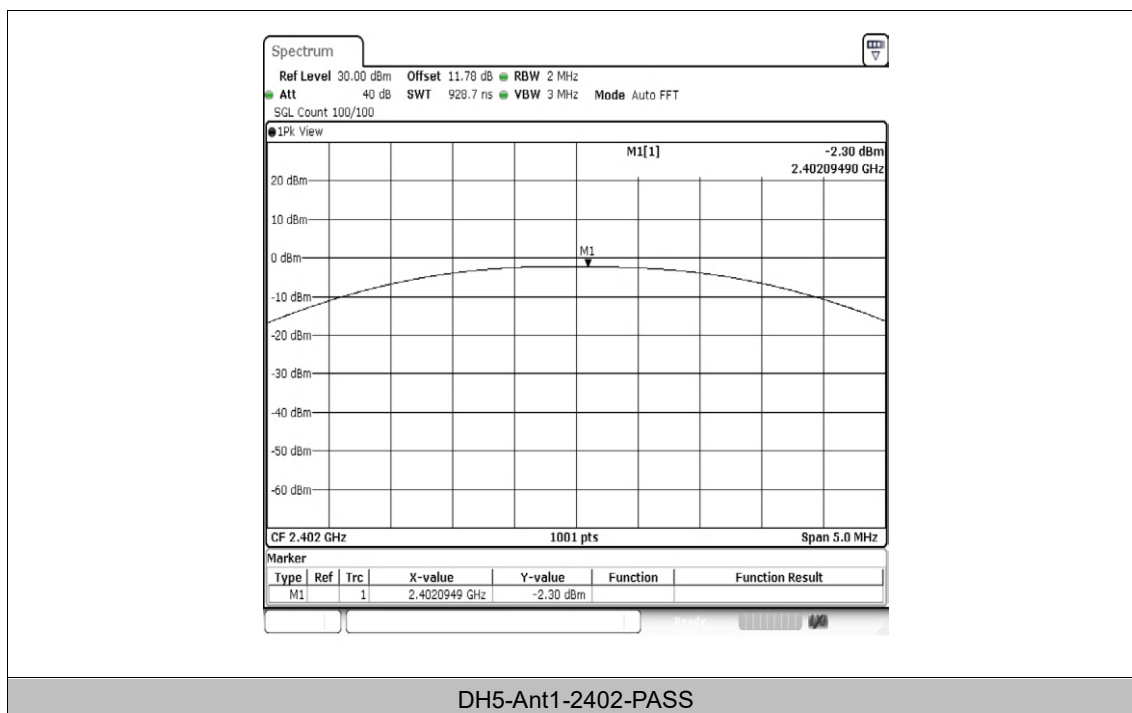


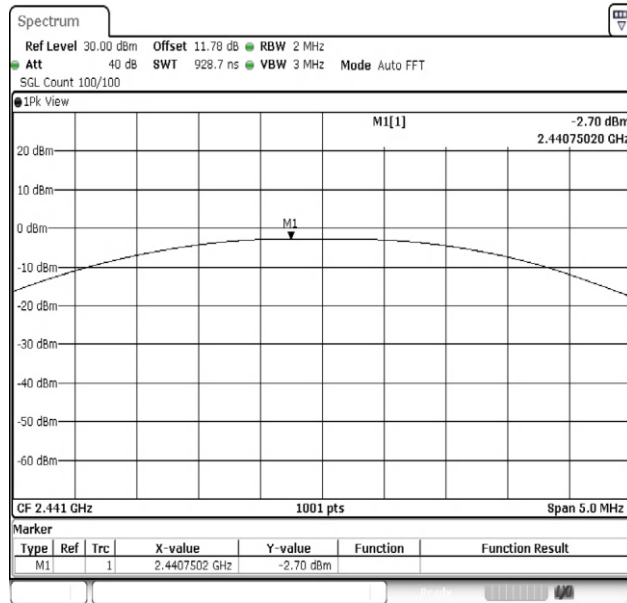
Appendix C: Maximum conducted output power

Test Result Peak

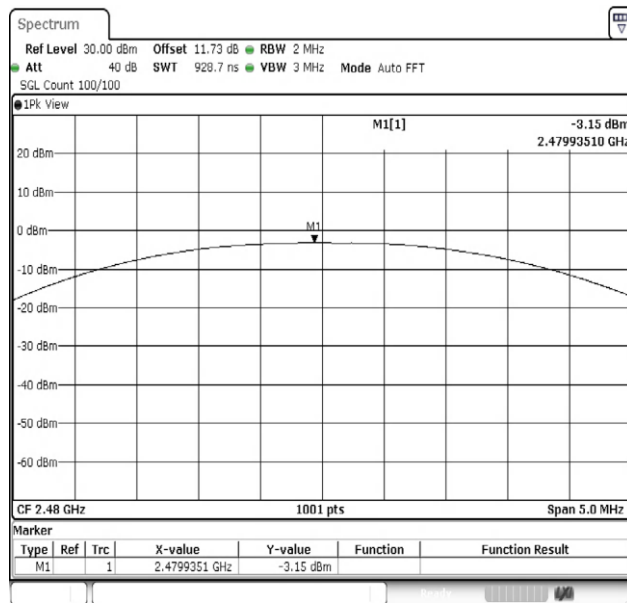
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.30	≤21	PASS
DH5	Ant1	2441	-2.70	≤21	PASS
DH5	Ant1	2480	-3.15	≤21	PASS
2DH5	Ant1	2402	-1.67	≤21	PASS
2DH5	Ant1	2441	-2.46	≤21	PASS
2DH5	Ant1	2480	-2.87	≤21	PASS
3DH5	Ant1	2402	-1.87	≤21	PASS
3DH5	Ant1	2441	-2.35	≤21	PASS
3DH5	Ant1	2480	-2.62	≤21	PASS

Test Graphs



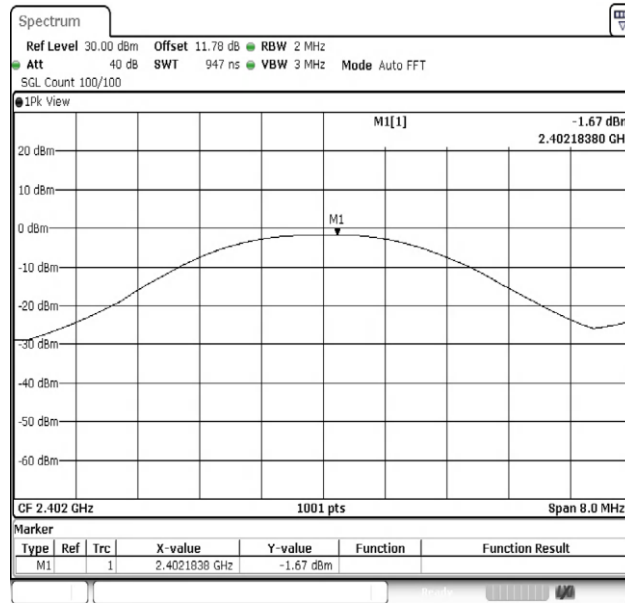


DH5-Ant1-2441-PASS

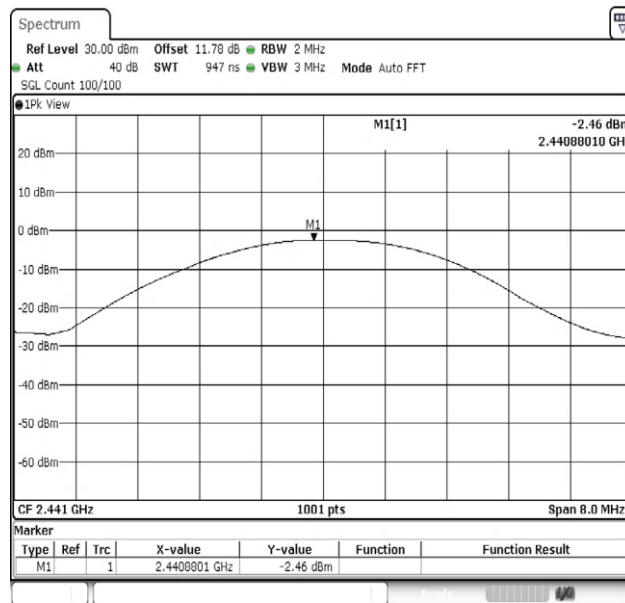


DH5-Ant1-2480-PASS



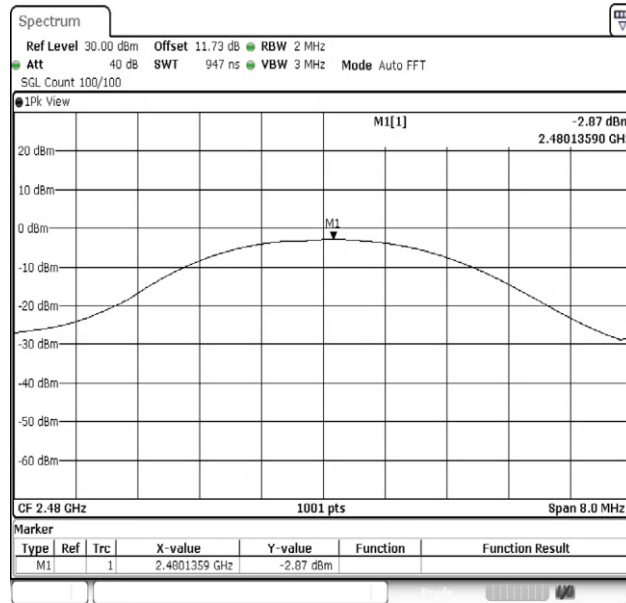


2DH5-Ant1-2402-PASS

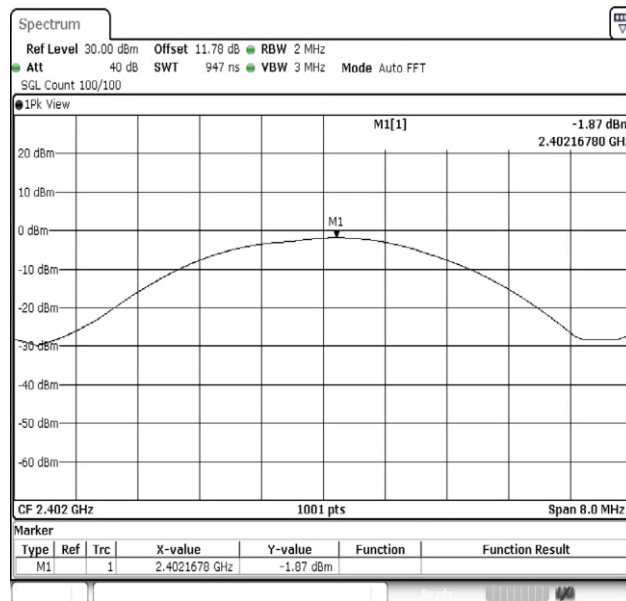


2DH5-Ant1-2441-PASS



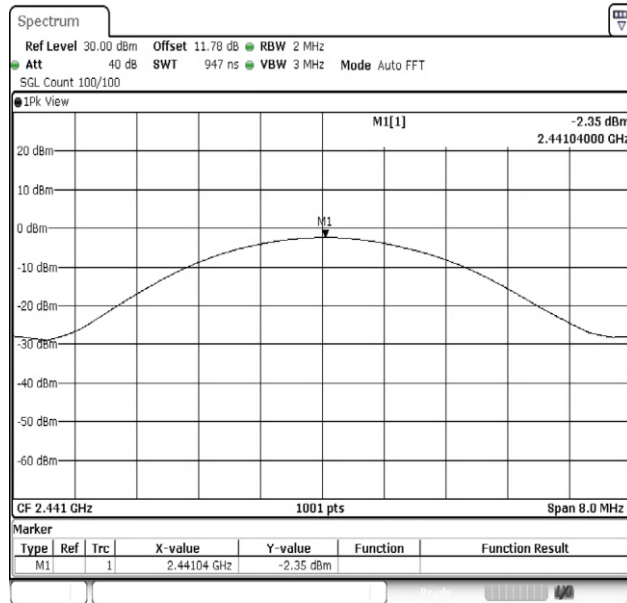


2DH5-Ant1-2480-PASS

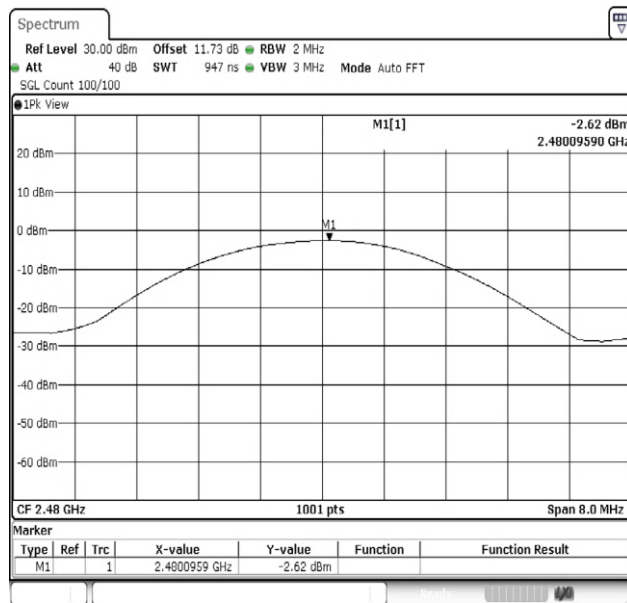


3DH5-Ant1-2402-PASS





3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS

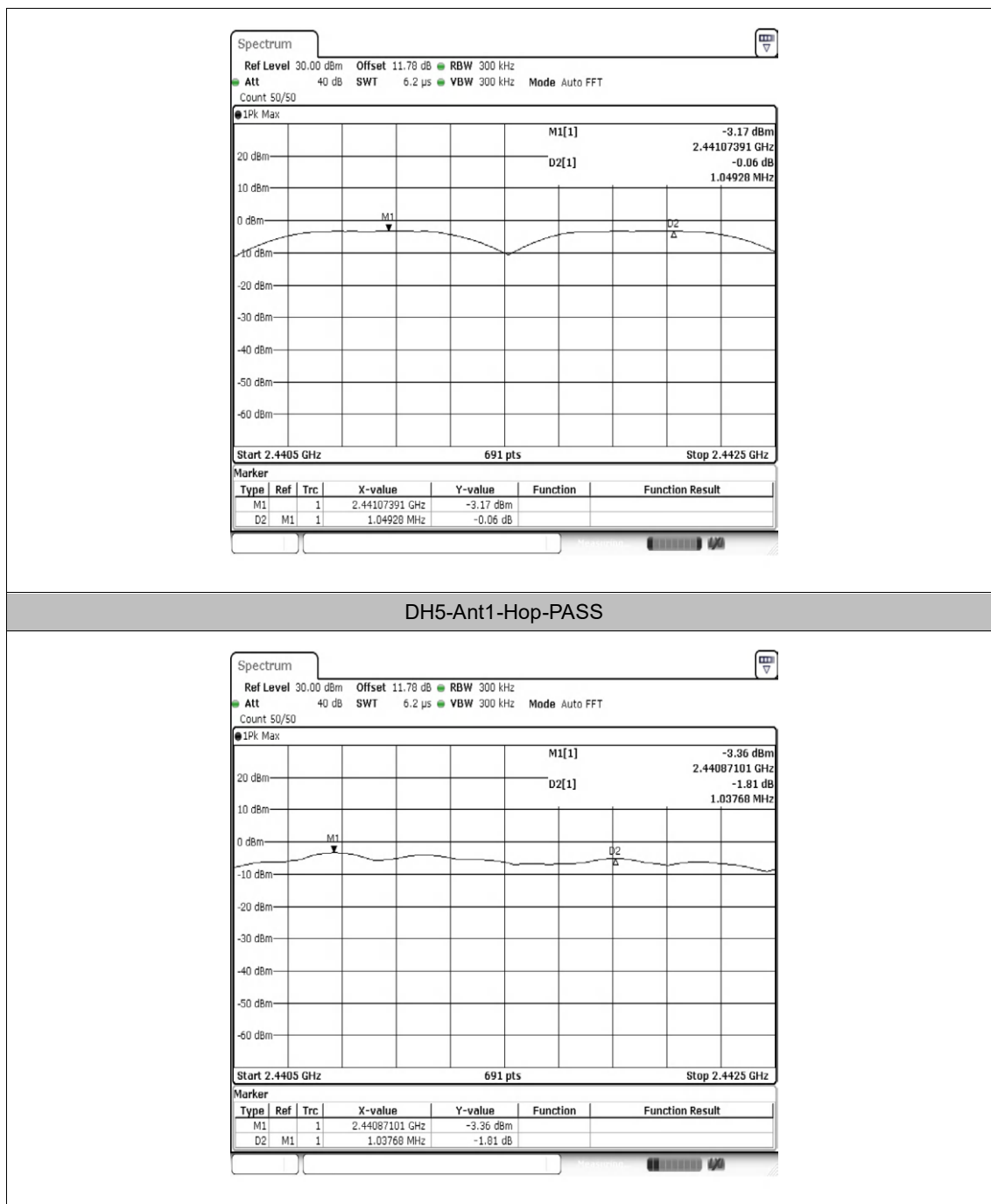


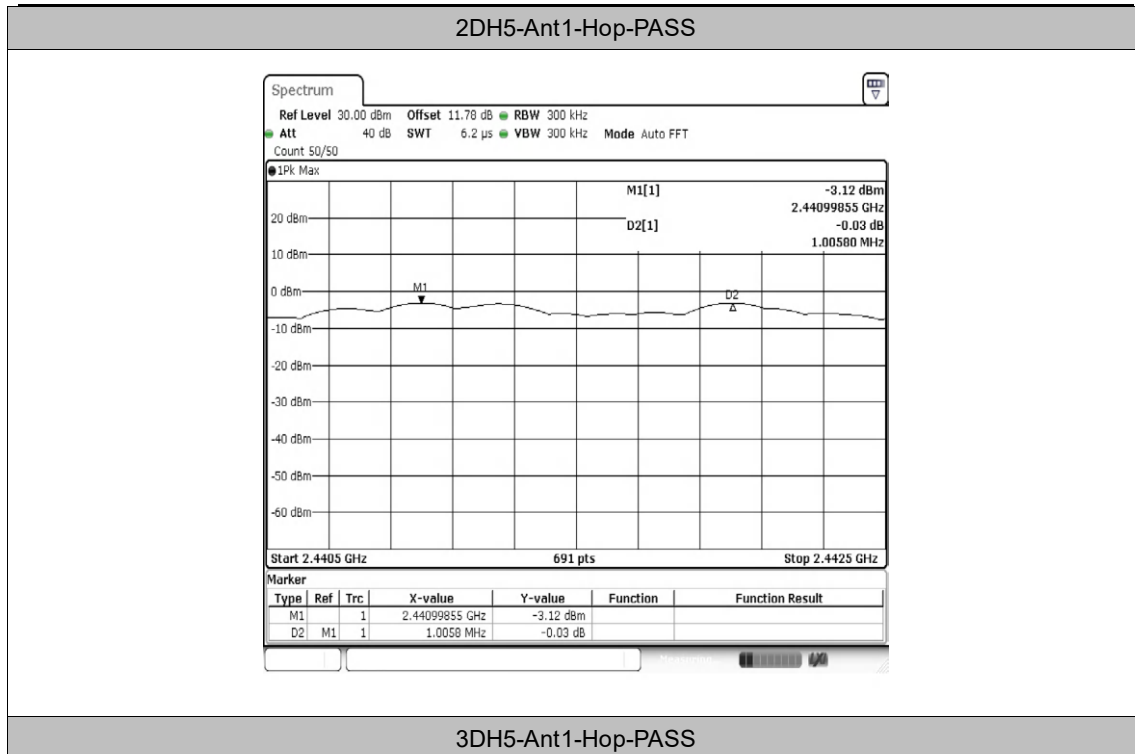
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.049	≥0.720	PASS
2DH5	Ant1	Hop	1.038	≥0.900	PASS
3DH5	Ant1	Hop	1.006	≥0.873	PASS

Test Graphs





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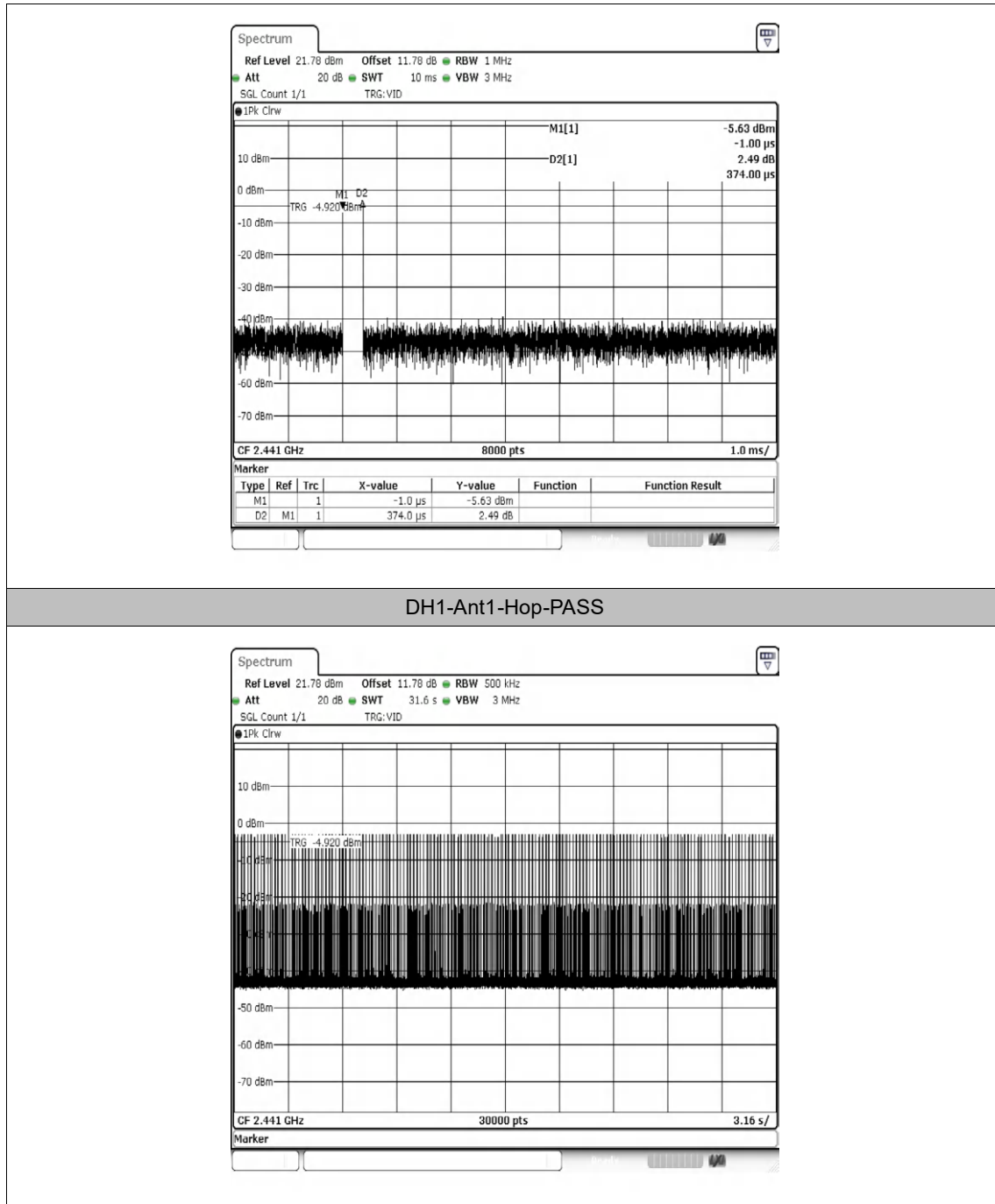
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	321	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.631	158	0.258	≤0.4	PASS
DH5	Ant1	Hop	2.879	109	0.314	≤0.4	PASS
2DH1	Ant1	Hop	0.384	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.636	157	0.257	≤0.4	PASS
2DH5	Ant1	Hop	2.884	111	0.32	≤0.4	PASS
3DH1	Ant1	Hop	0.386	320	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.636	159	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.887	112	0.323	≤0.4	PASS



Test Graphs

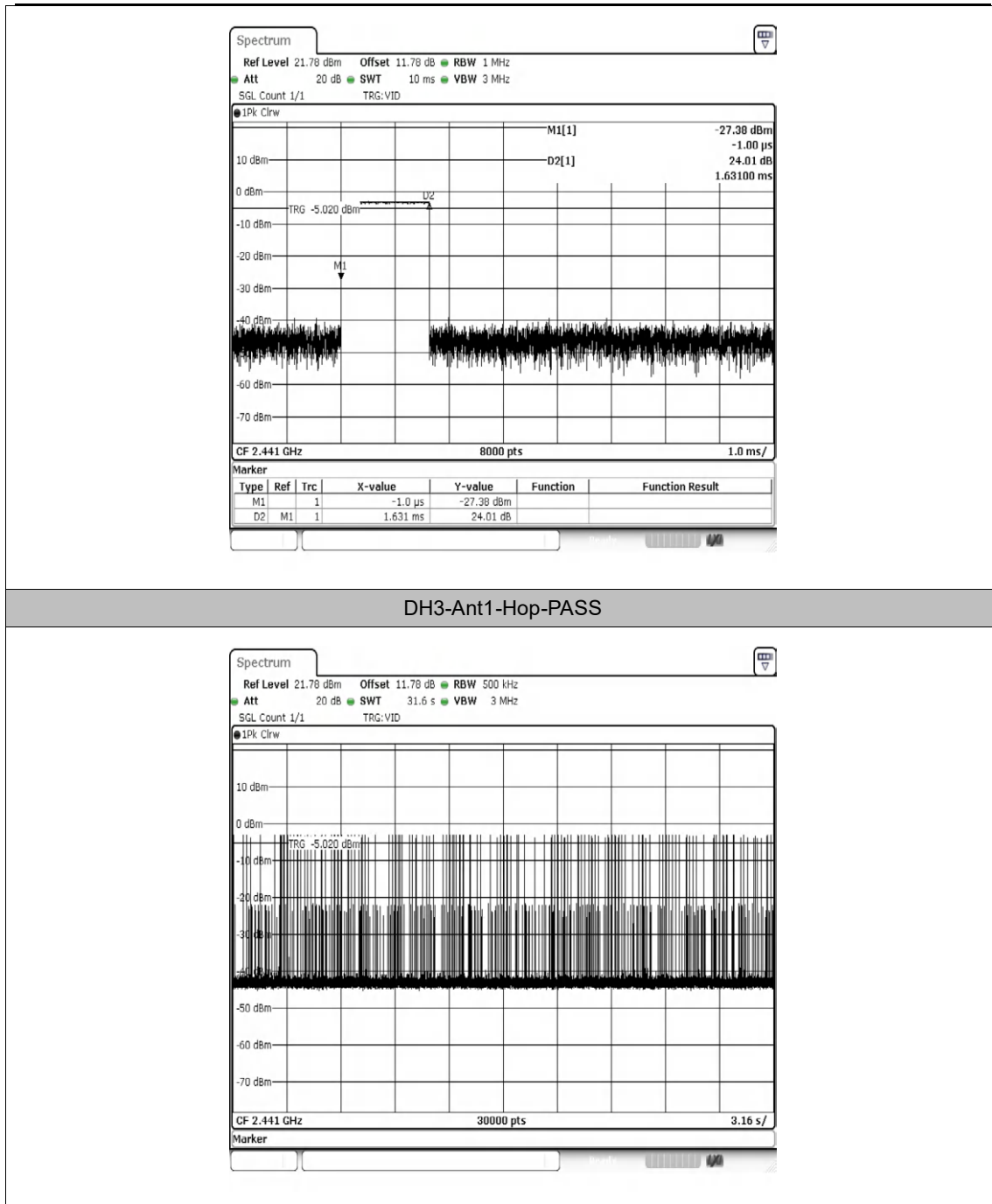


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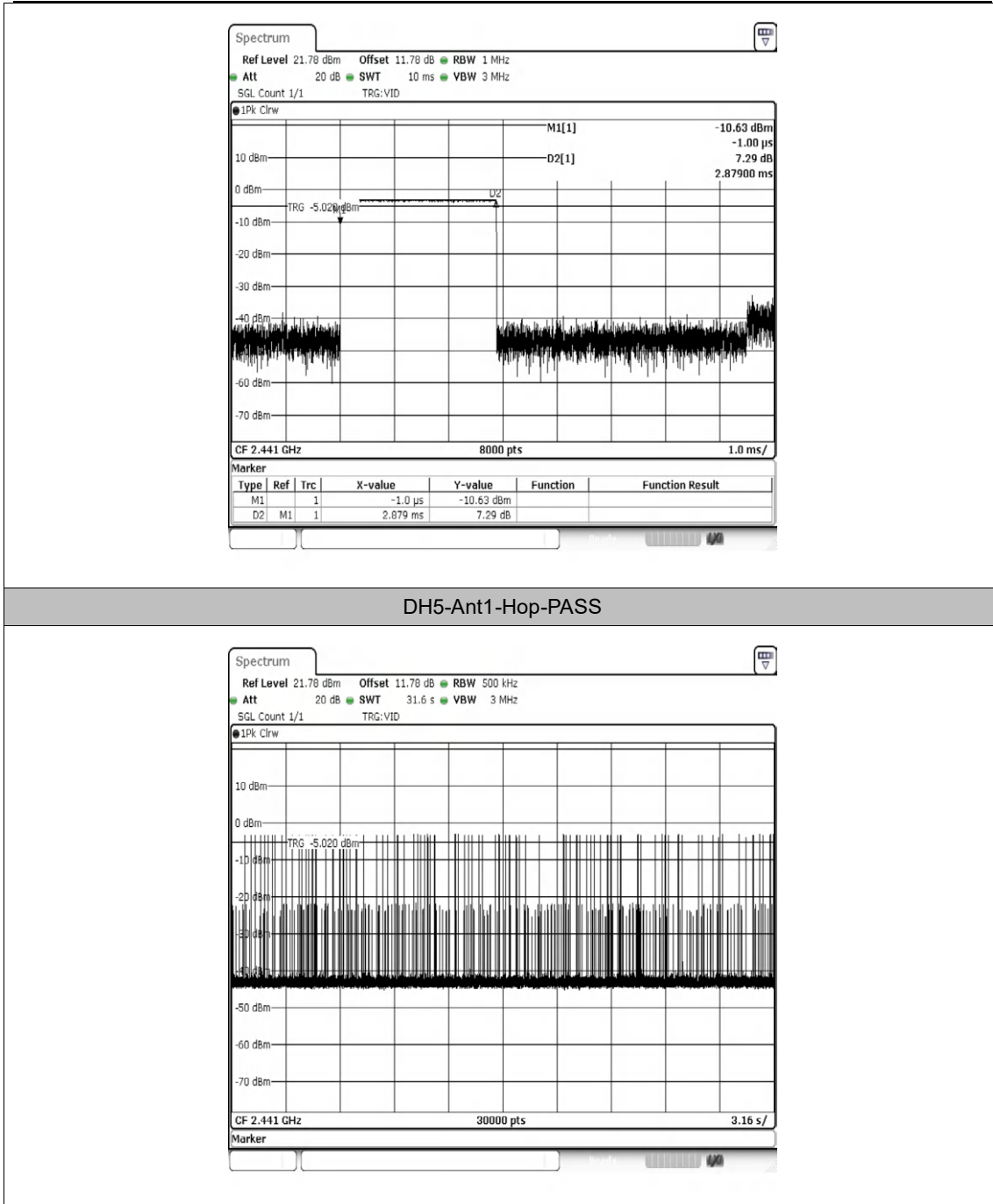


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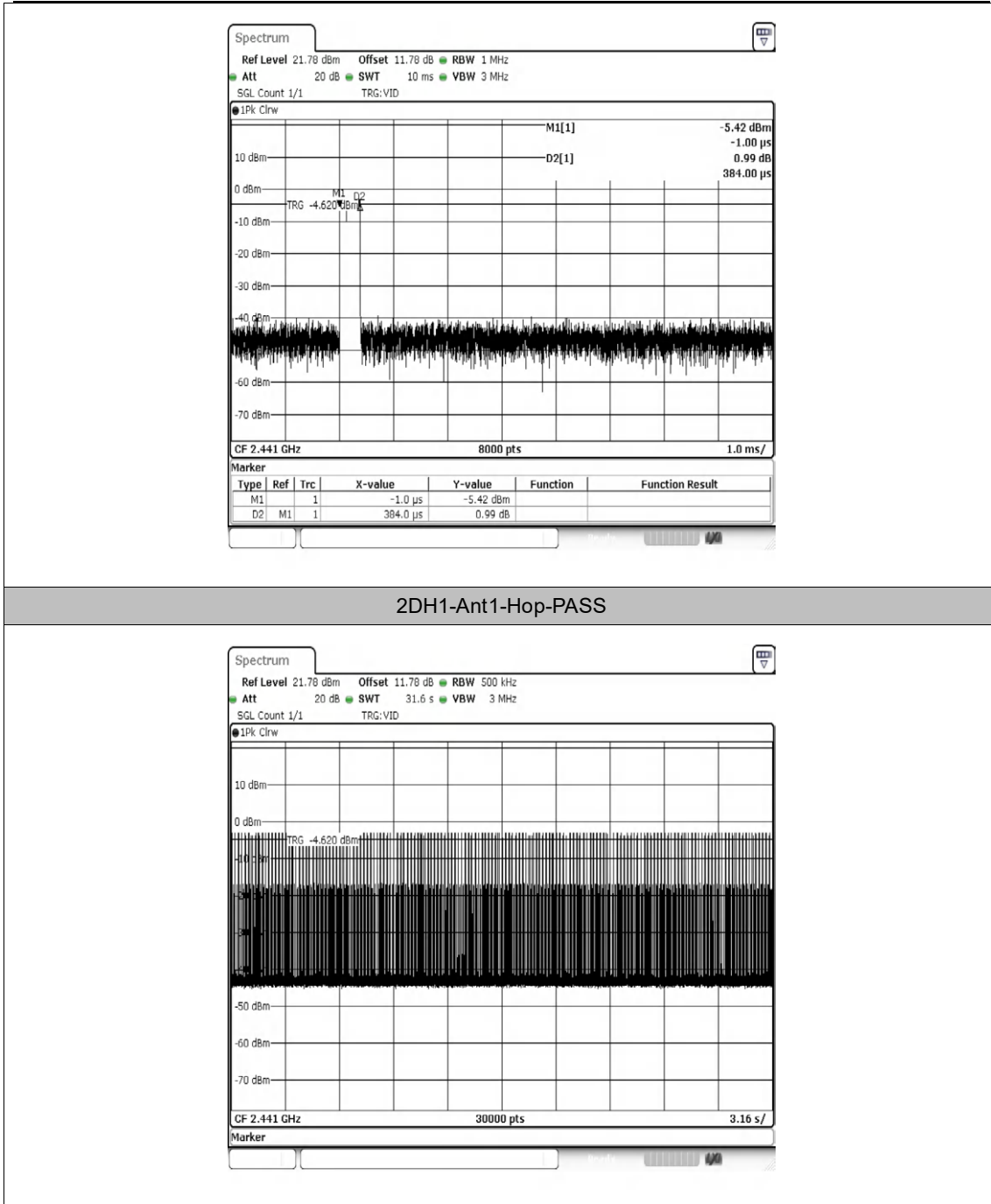


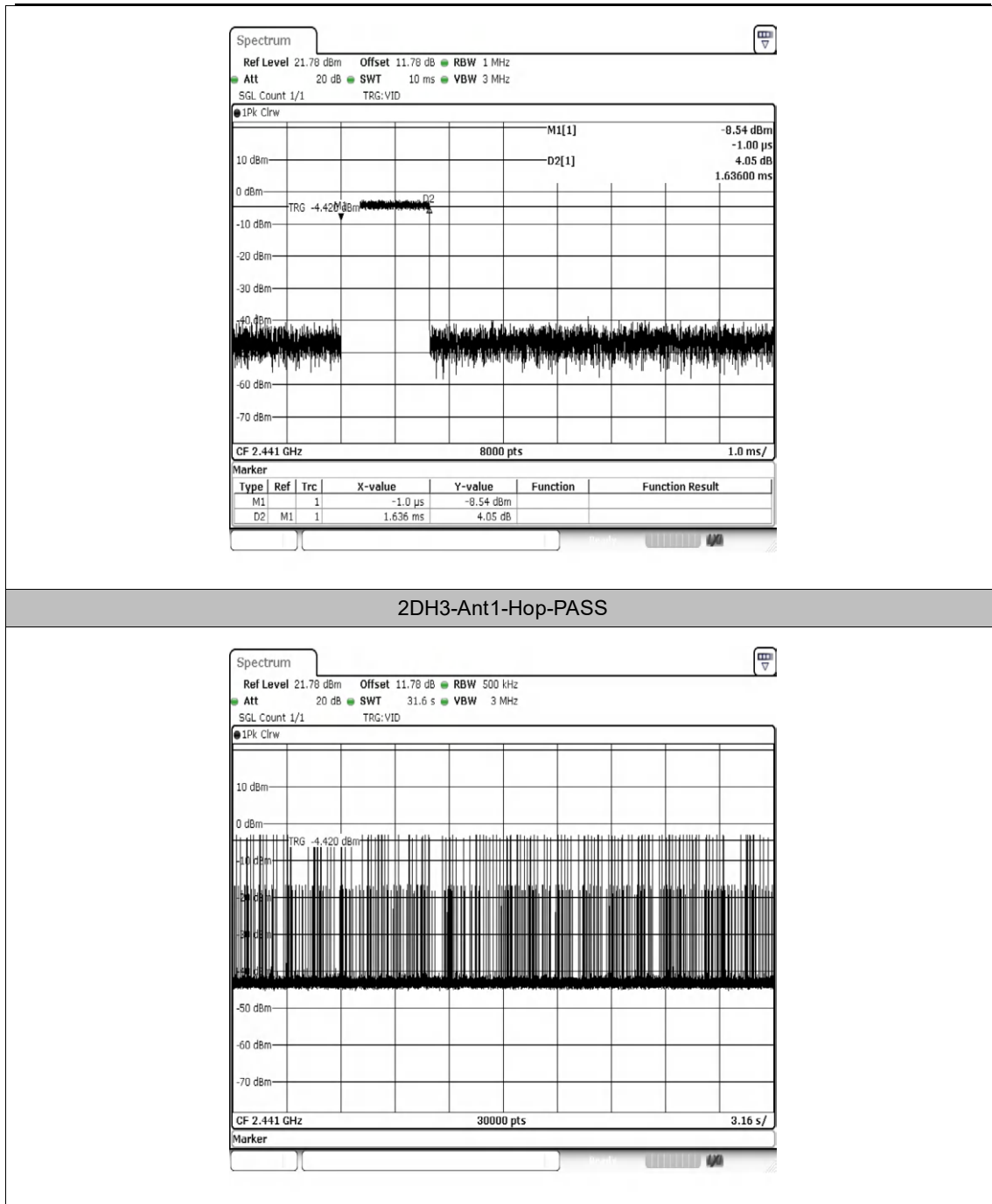
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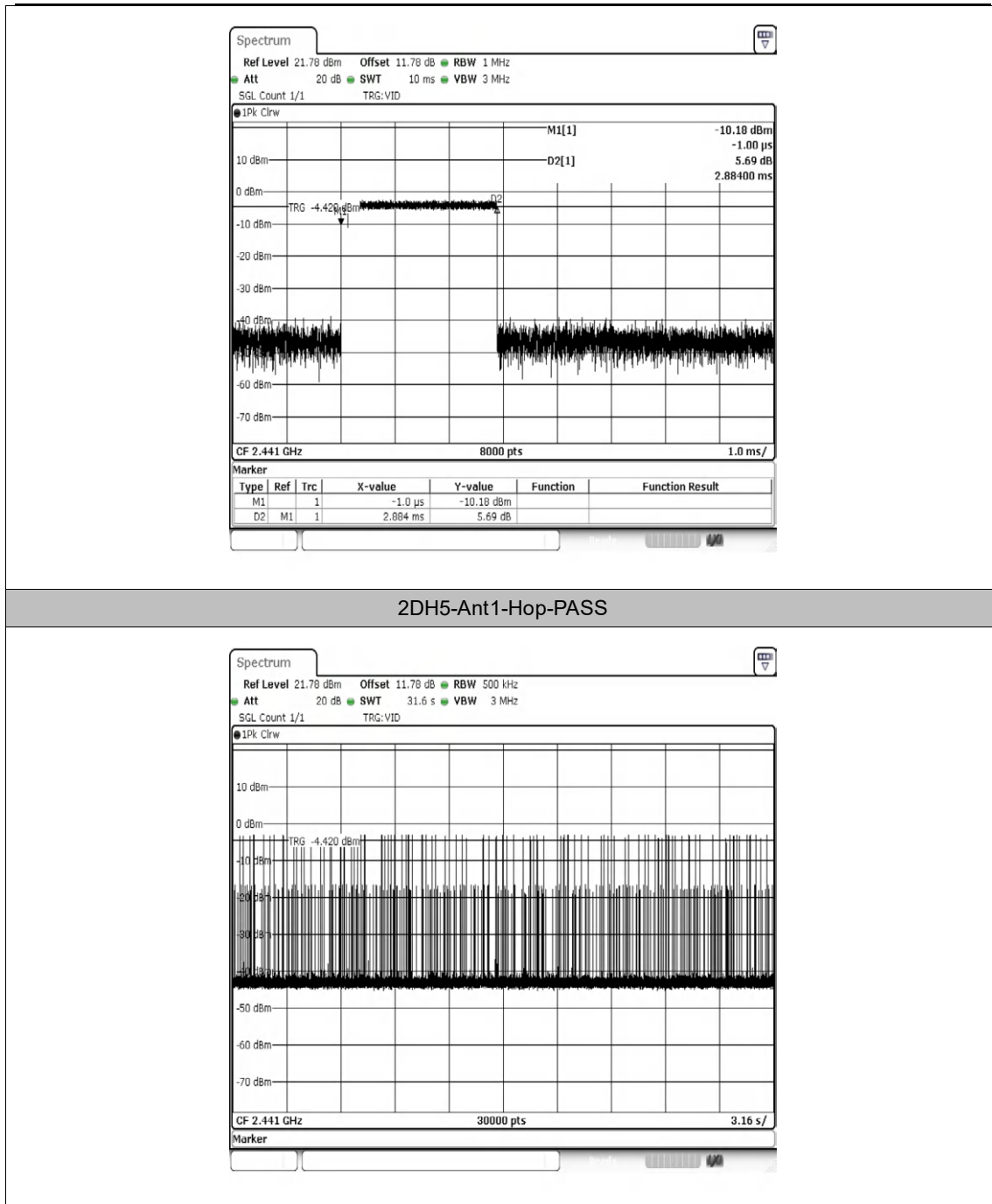
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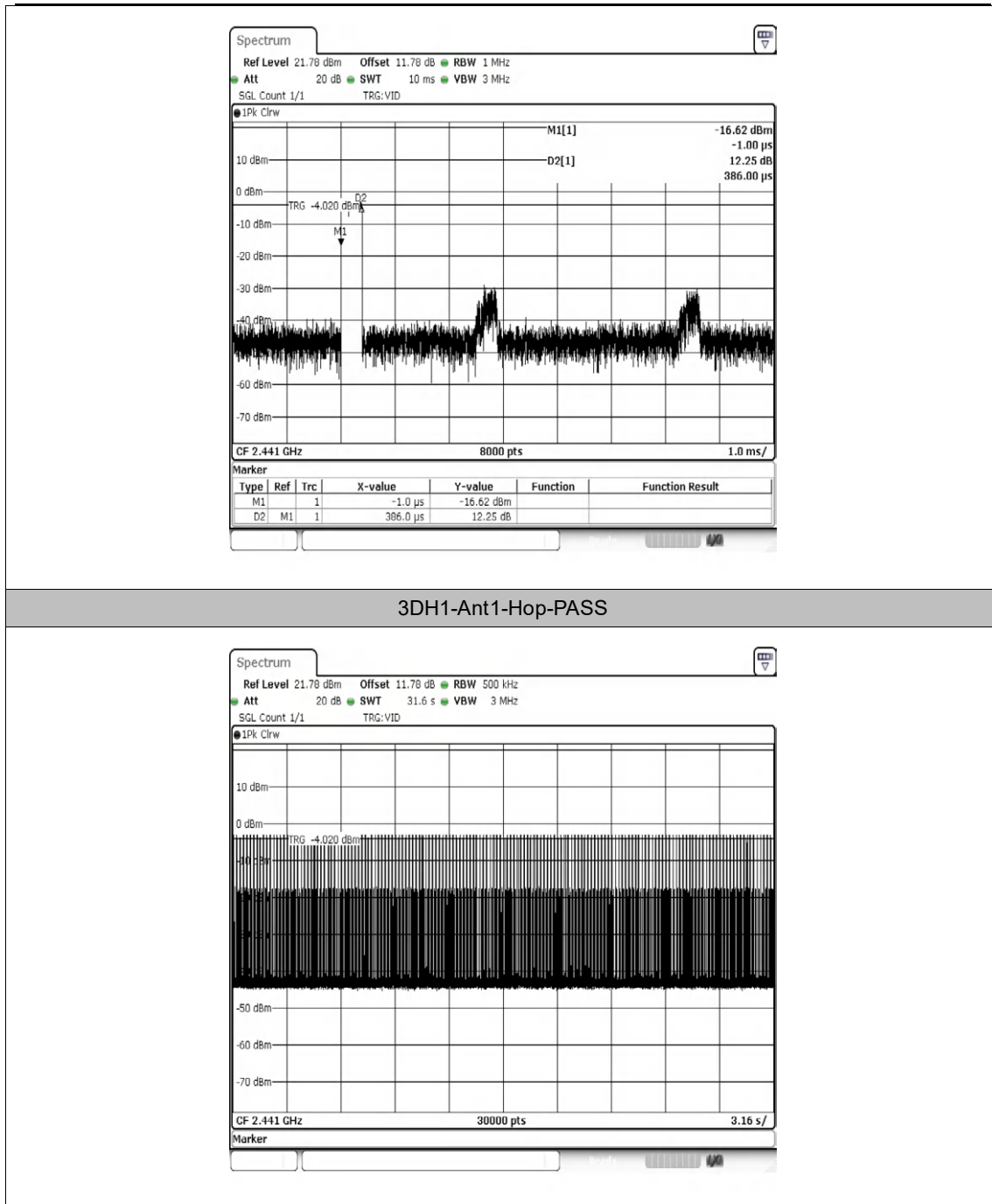
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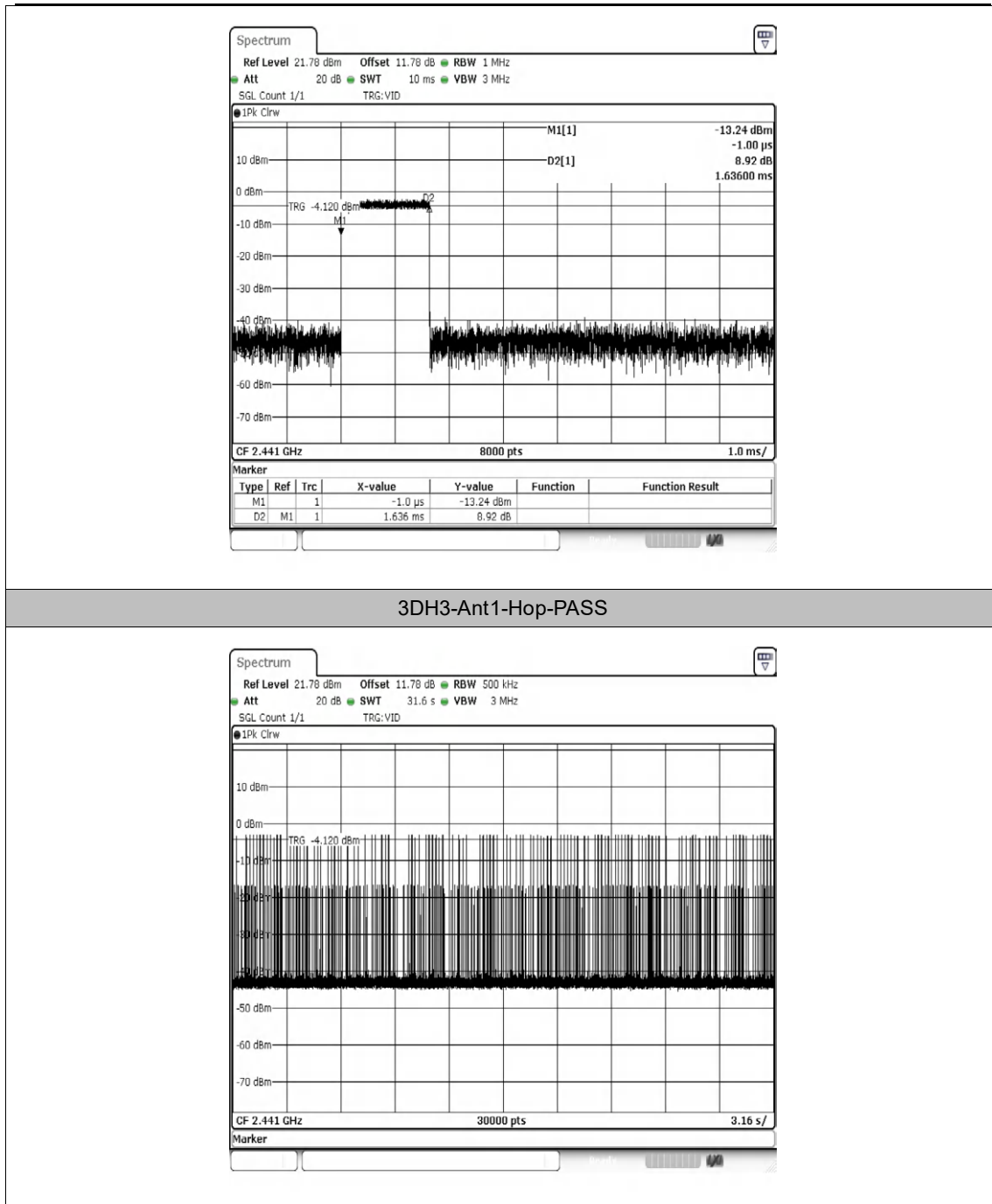


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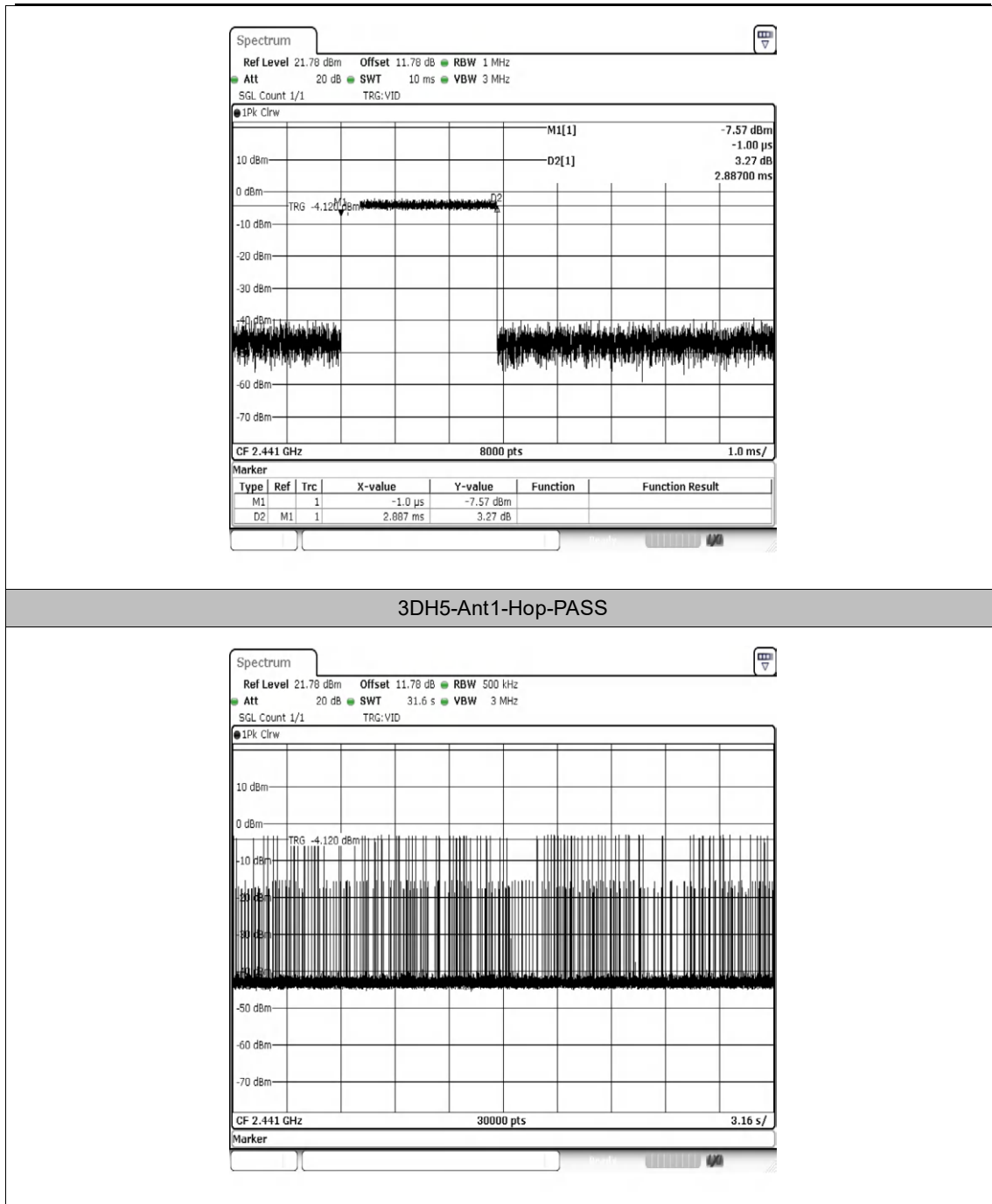


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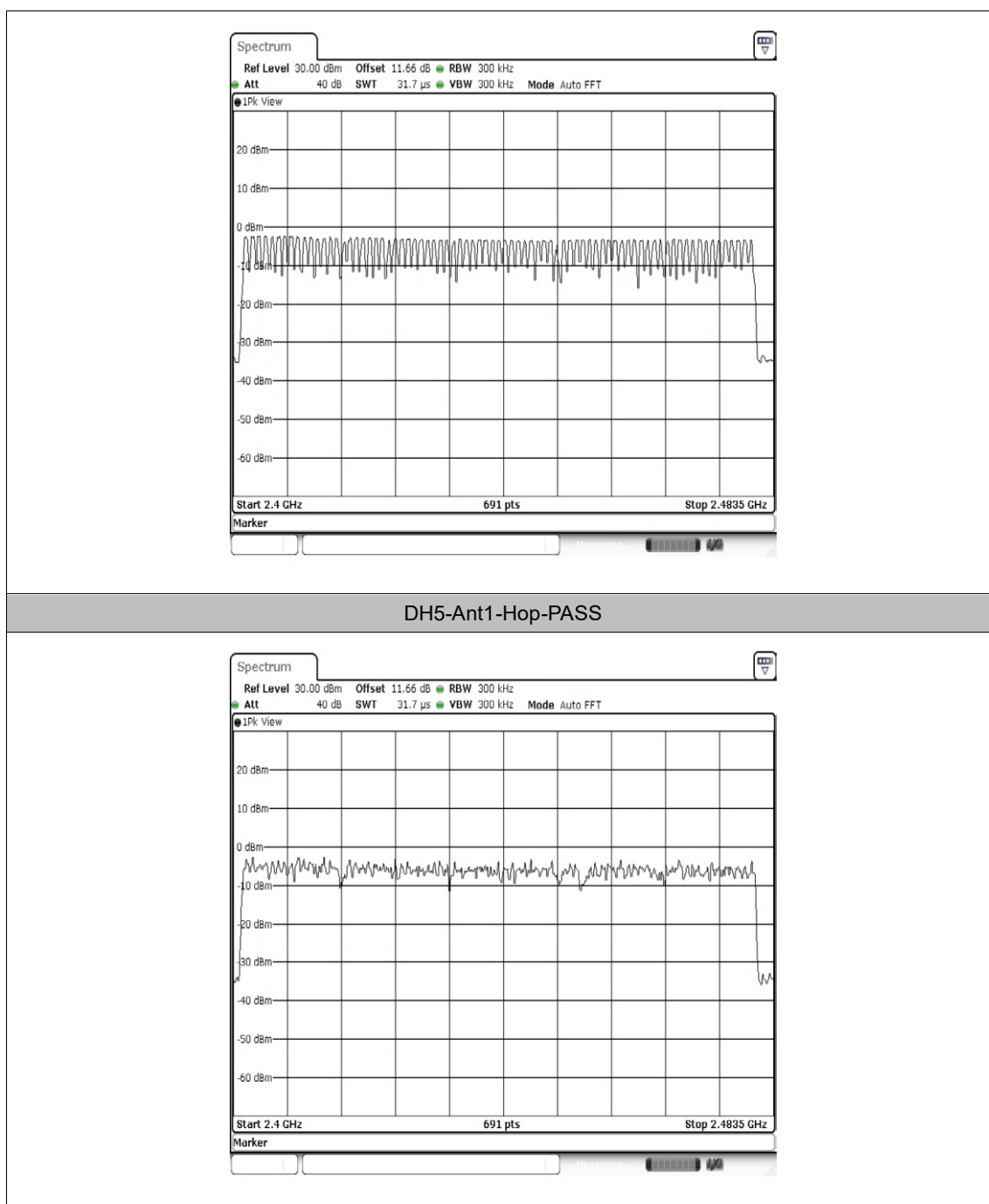


Appendix F: Number of hopping channels

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

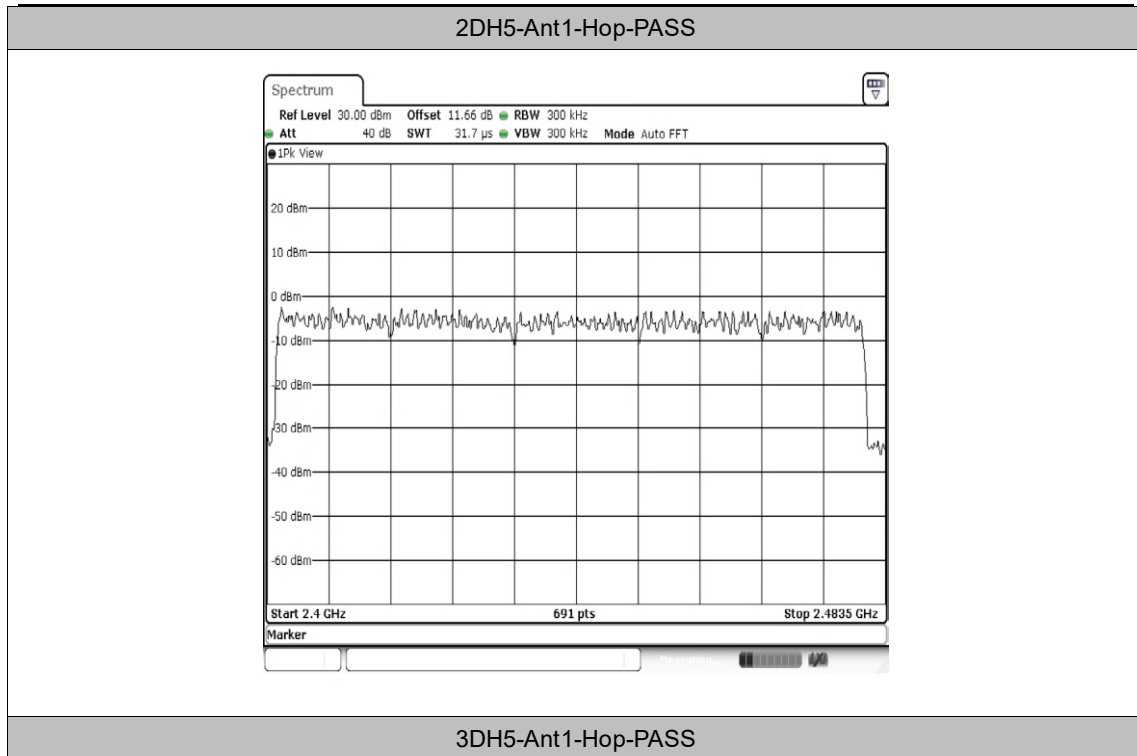


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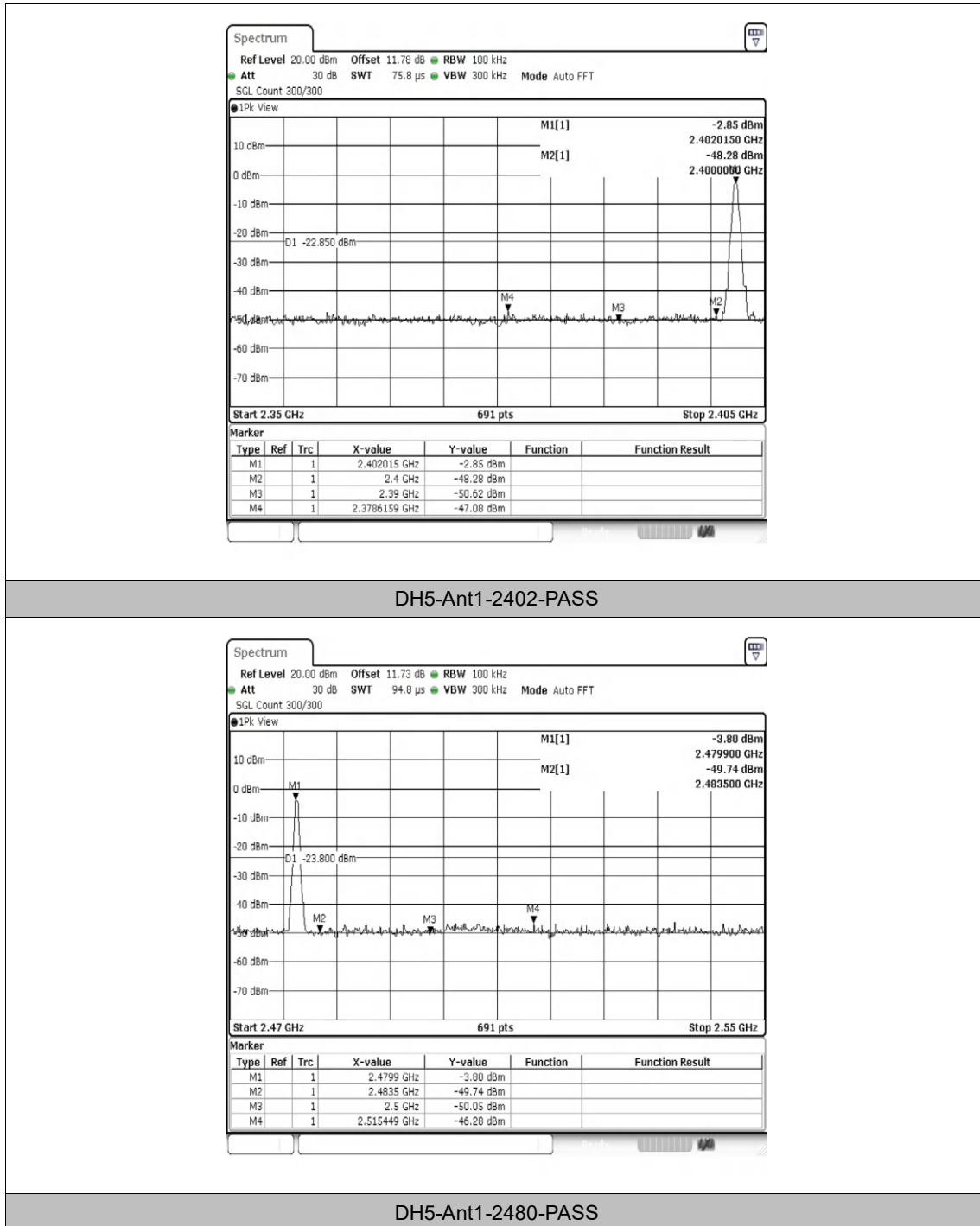
Appendix G: Band edge measurements

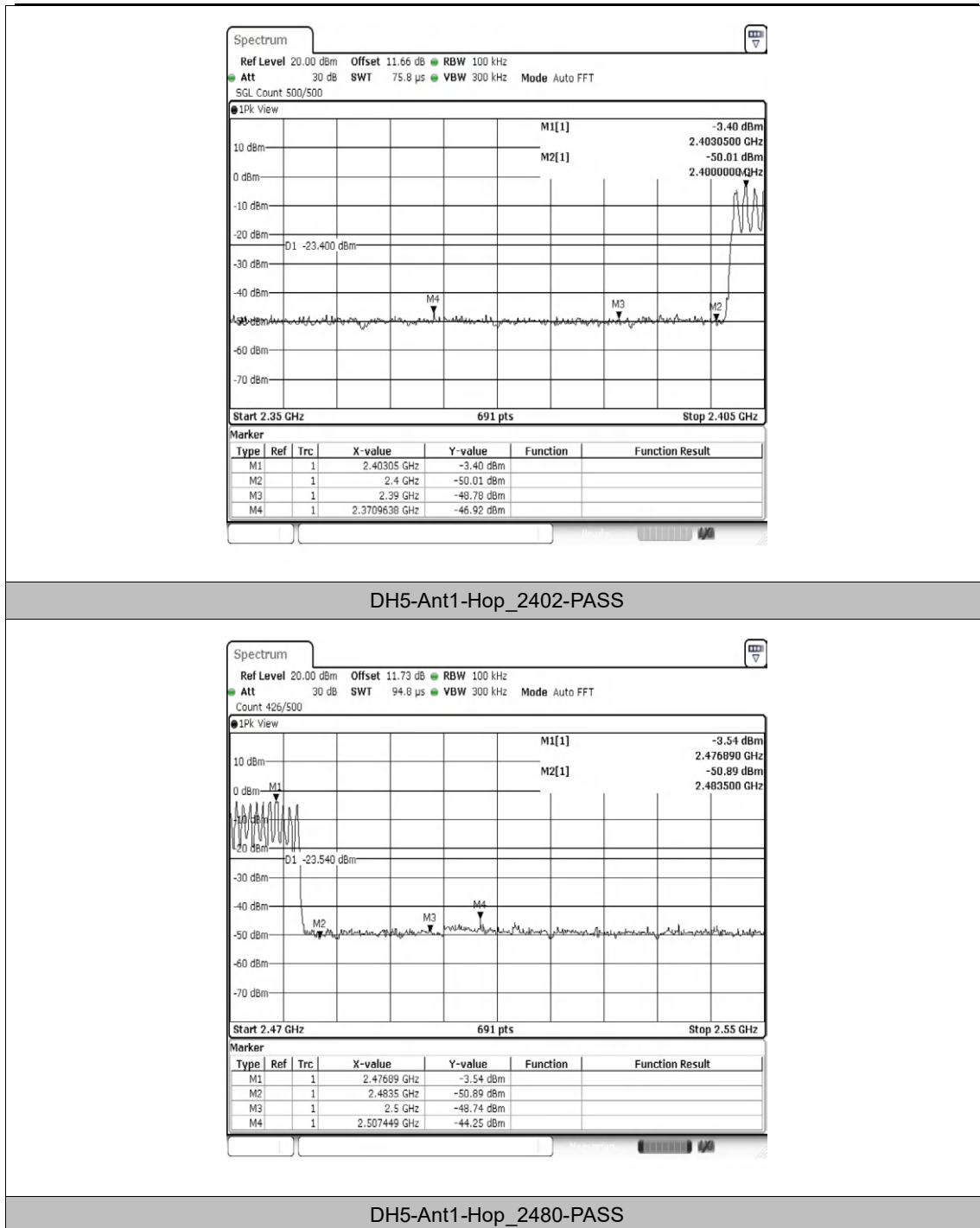
Test Result

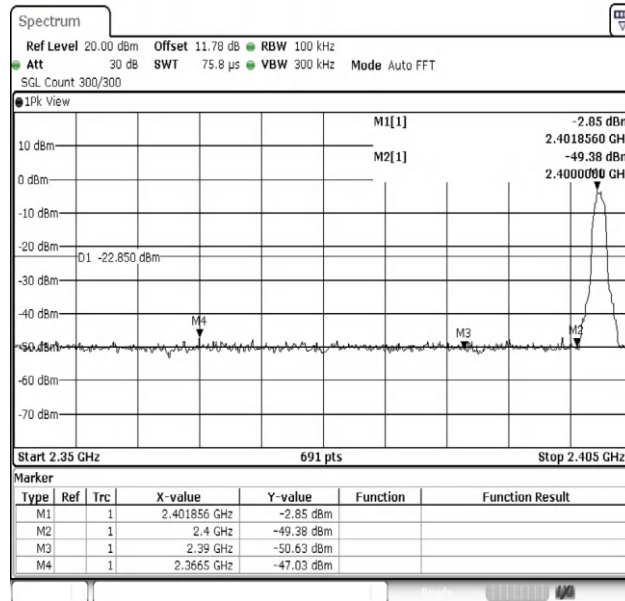
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.85	-47.08	≤-22.85	PASS
DH5	Ant1	High	2480	-3.80	-46.28	≤-23.8	PASS
DH5	Ant1	Low	Hop_2402	-3.40	-46.92	≤-23.4	PASS
DH5	Ant1	High	Hop_2480	-3.54	-44.25	≤-23.54	PASS
2DH5	Ant1	Low	2402	-2.85	-47.03	≤-22.85	PASS
2DH5	Ant1	High	2480	-4.05	-46.65	≤-24.05	PASS
2DH5	Ant1	Low	Hop_2402	-4.73	-47.19	≤-24.73	PASS
2DH5	Ant1	High	Hop_2480	-4.02	-46.31	≤-24.02	PASS
3DH5	Ant1	Low	2402	-2.65	-47.6	≤-22.65	PASS
3DH5	Ant1	High	2480	-4.11	-46.44	≤-24.11	PASS
3DH5	Ant1	Low	Hop_2402	-6.37	-47.42	≤-26.37	PASS
3DH5	Ant1	High	Hop_2480	-3.76	-45.79	≤-23.76	PASS



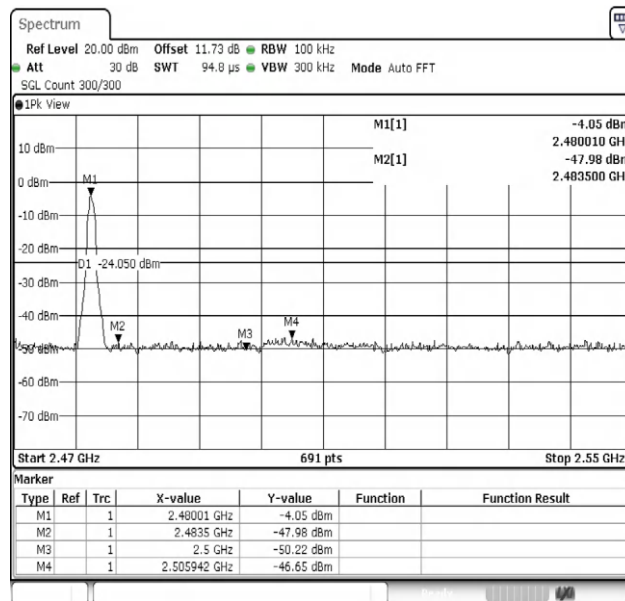
Test Graphs





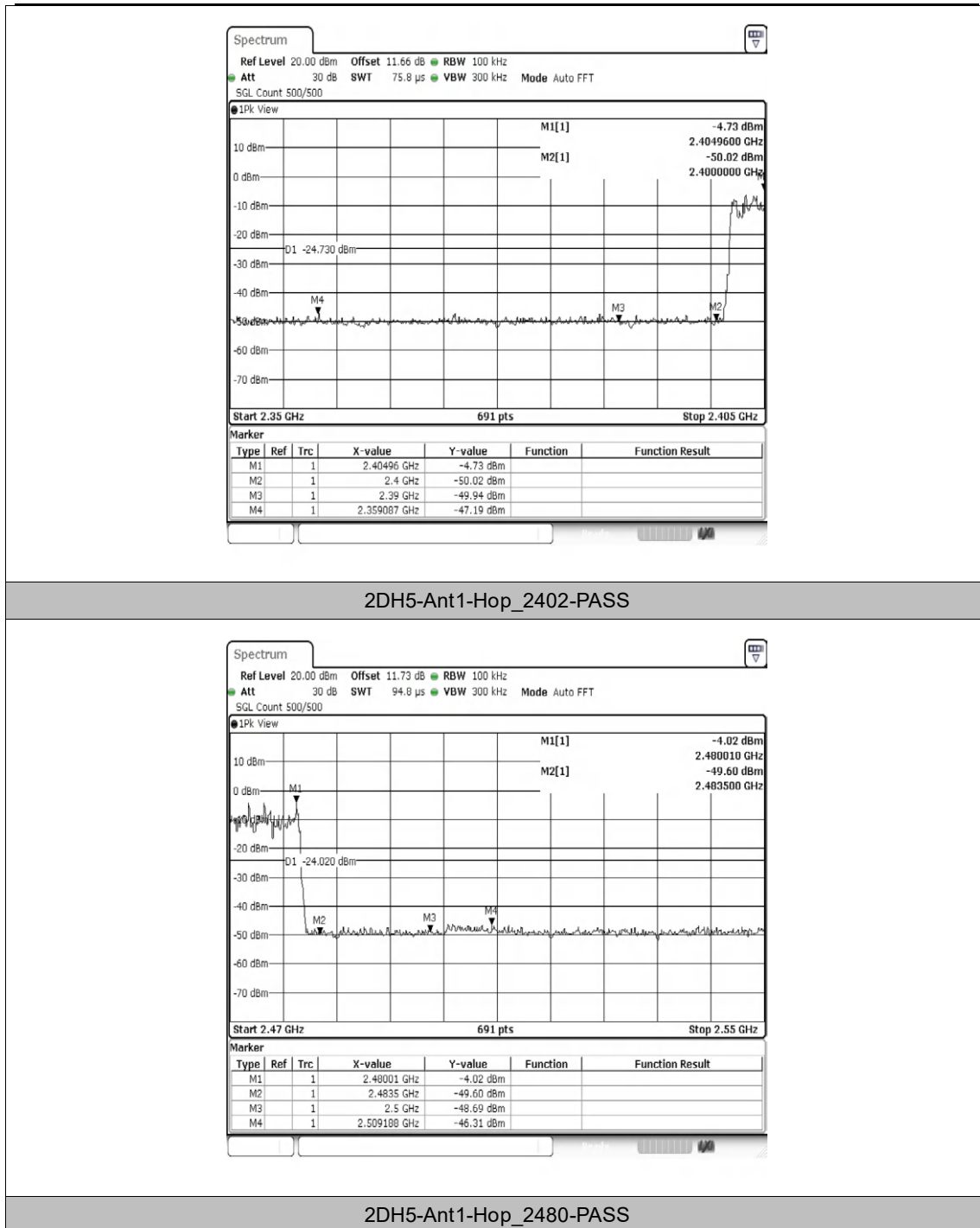


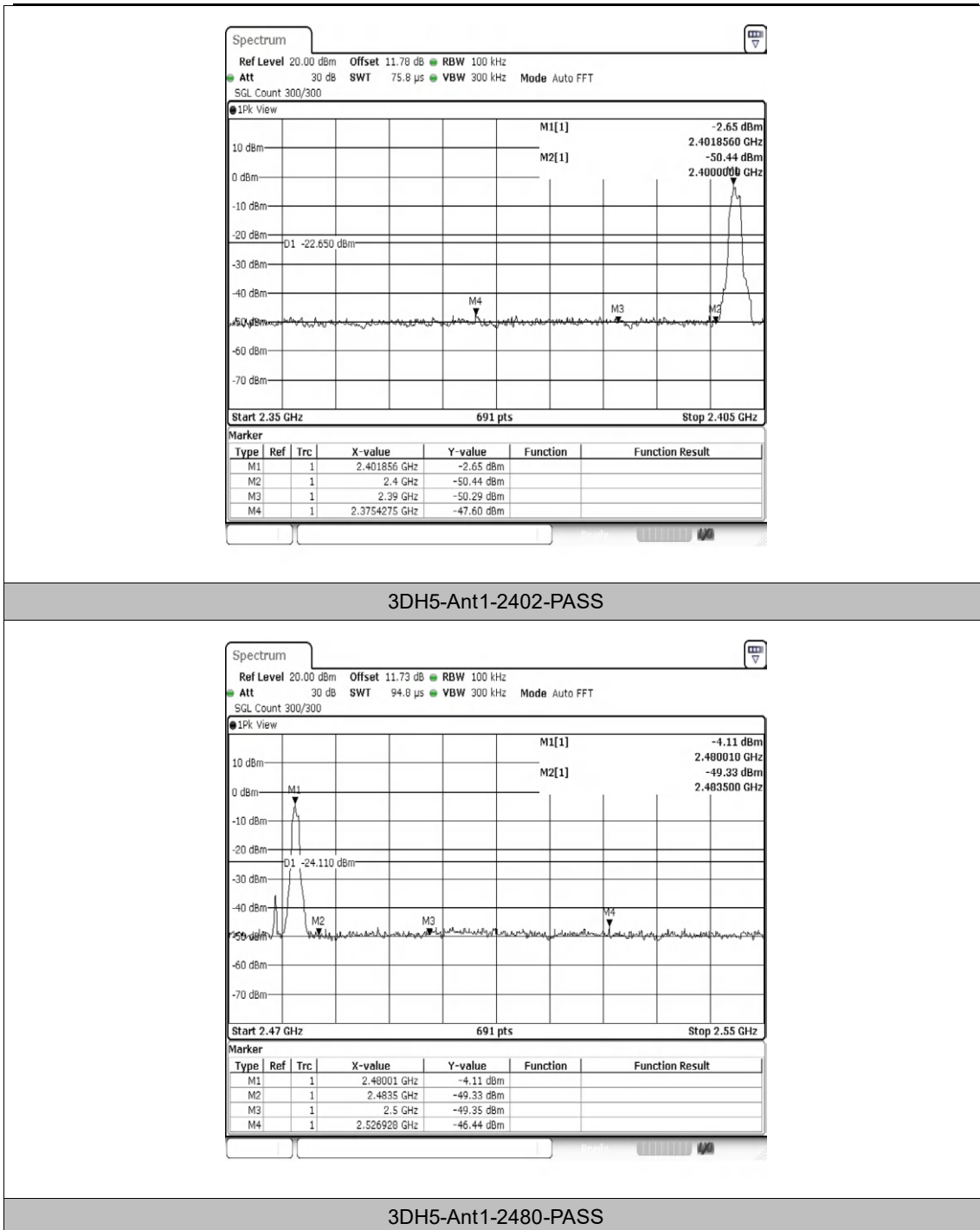
2DH5-Ant1-2402-PASS

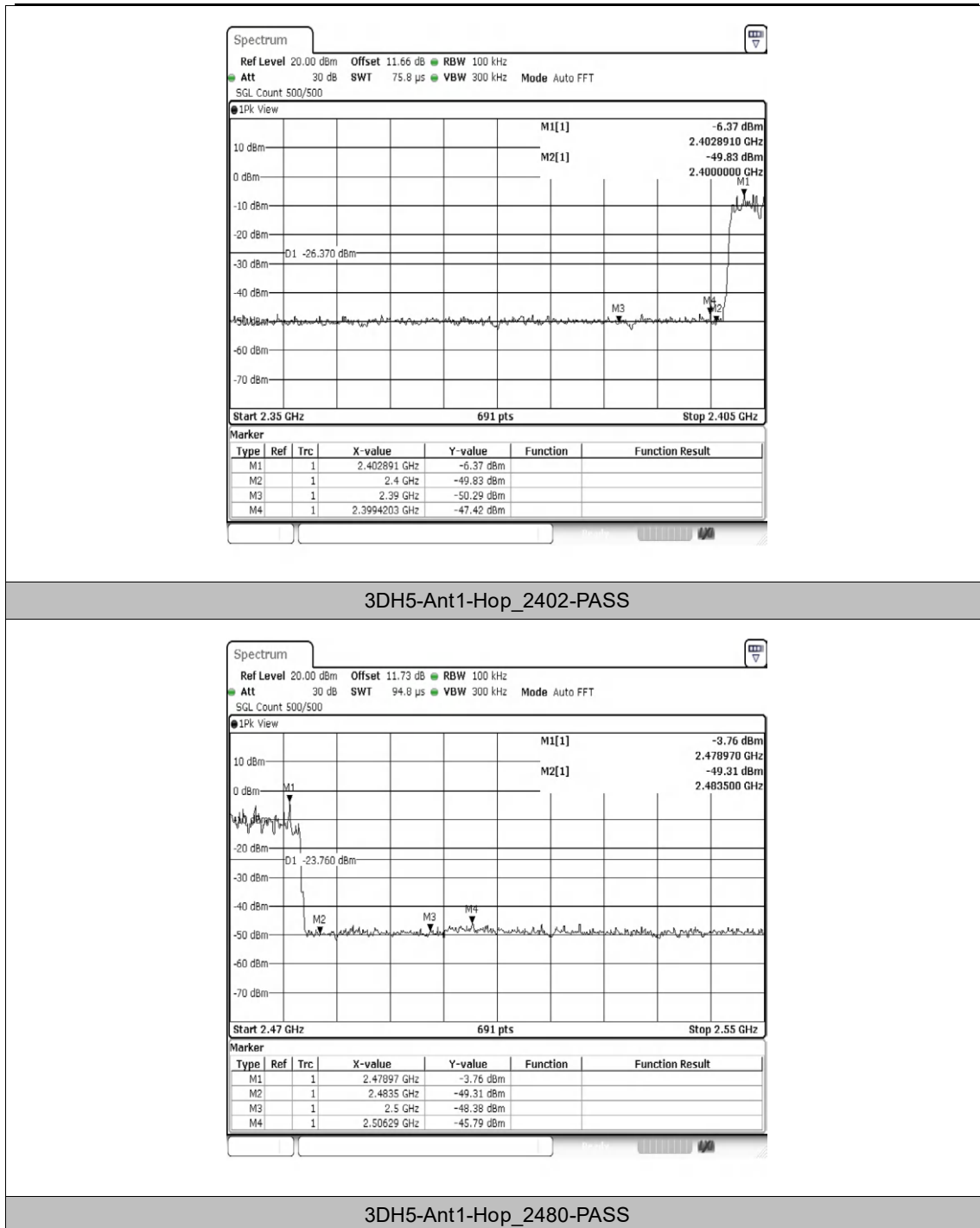


2DH5-Ant1-2480-PASS









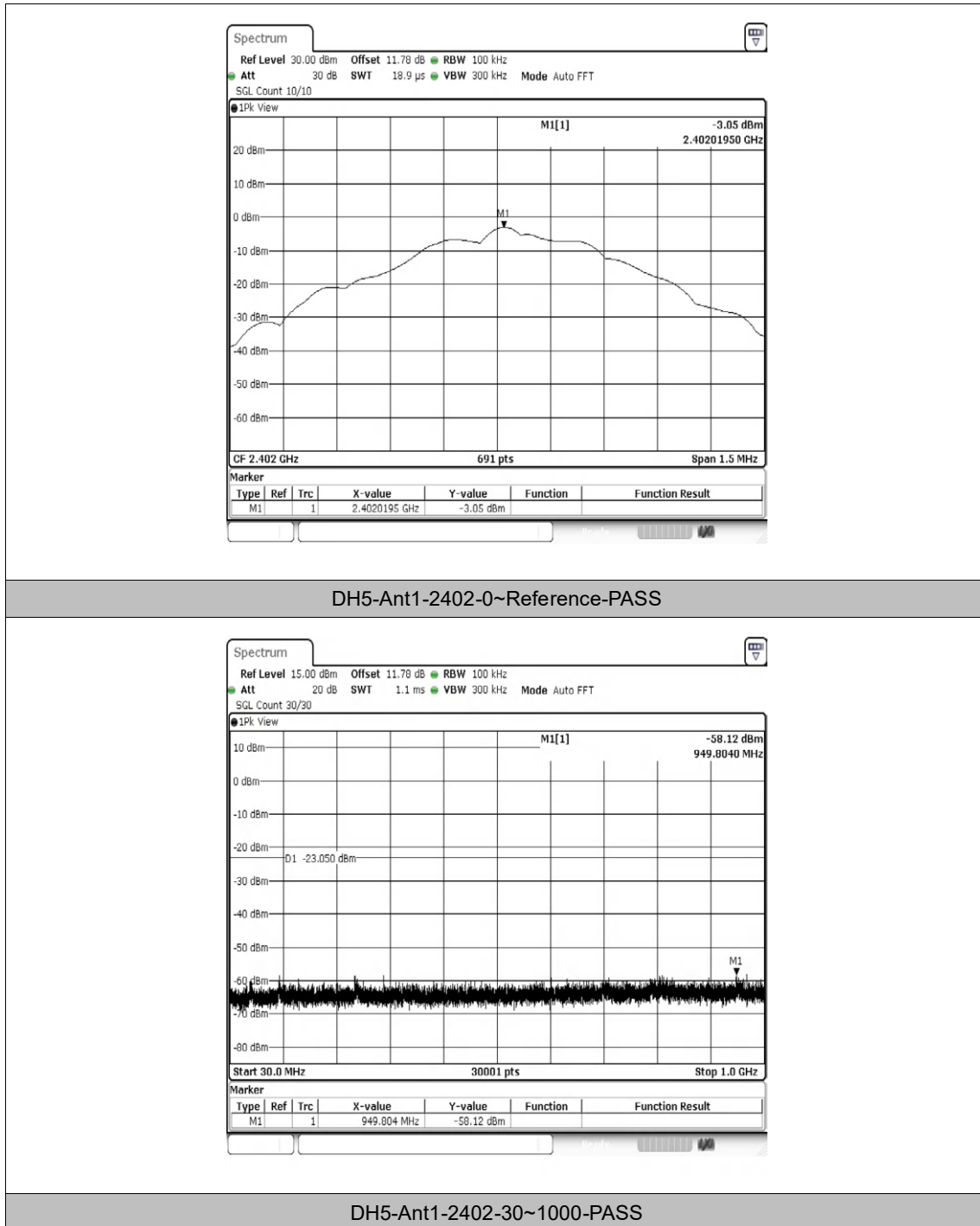
Appendix H: Conducted Spurious Emission

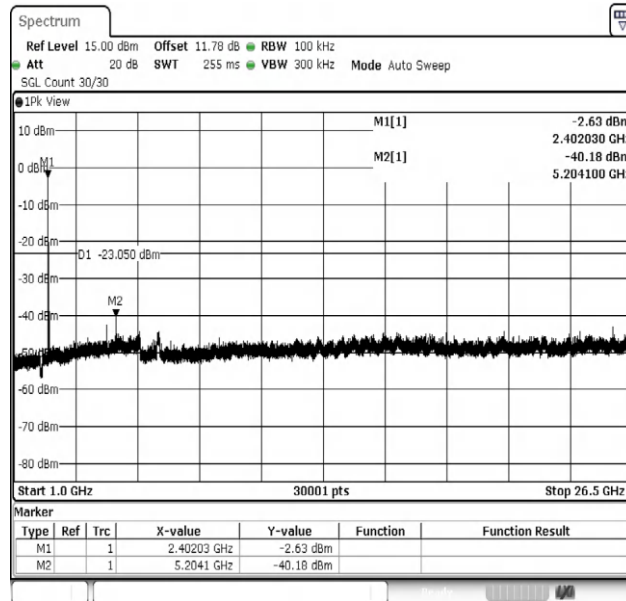
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.05	-3.05	---	PASS
DH5	Ant1	2402	30~1000	-3.05	-58.12	≤-23.05	PASS
DH5	Ant1	2402	1000~26500	-3.05	-40.18	≤-23.05	PASS
DH5	Ant1	2441	0~Reference	-4.06	-4.06	---	PASS
DH5	Ant1	2441	30~1000	-4.06	-57.65	≤-24.06	PASS
DH5	Ant1	2441	1000~26500	-4.06	-43.8	≤-24.06	PASS
DH5	Ant1	2480	0~Reference	-4.42	-4.42	---	PASS
DH5	Ant1	2480	30~1000	-4.42	-57.16	≤-24.42	PASS
DH5	Ant1	2480	1000~26500	-4.42	-43.53	≤-24.42	PASS
2DH5	Ant1	2402	0~Reference	-8.58	-8.58	---	PASS
2DH5	Ant1	2402	30~1000	-8.58	-58.86	≤-28.58	PASS
2DH5	Ant1	2402	1000~26500	-8.58	-44.07	≤-28.58	PASS
2DH5	Ant1	2441	0~Reference	-8.23	-8.23	---	PASS
2DH5	Ant1	2441	30~1000	-8.23	-58.2	≤-28.23	PASS
2DH5	Ant1	2441	1000~26500	-8.23	-44.08	≤-28.23	PASS
2DH5	Ant1	2480	0~Reference	-4.51	-4.51	---	PASS
2DH5	Ant1	2480	30~1000	-4.51	-58.4	≤-24.51	PASS
2DH5	Ant1	2480	1000~26500	-4.51	-44.24	≤-24.51	PASS
3DH5	Ant1	2402	0~Reference	-7.50	-7.50	---	PASS
3DH5	Ant1	2402	30~1000	-7.50	-58.22	≤-27.5	PASS
3DH5	Ant1	2402	1000~26500	-7.50	-43.99	≤-27.5	PASS
3DH5	Ant1	2441	0~Reference	-7.37	-7.37	---	PASS
3DH5	Ant1	2441	30~1000	-7.37	-56.92	≤-27.37	PASS
3DH5	Ant1	2441	1000~26500	-7.37	-43.09	≤-27.37	PASS
3DH5	Ant1	2480	0~Reference	-4.05	-4.05	---	PASS
3DH5	Ant1	2480	30~1000	-4.05	-57.87	≤-24.05	PASS
3DH5	Ant1	2480	1000~26500	-4.05	-43.81	≤-24.05	PASS

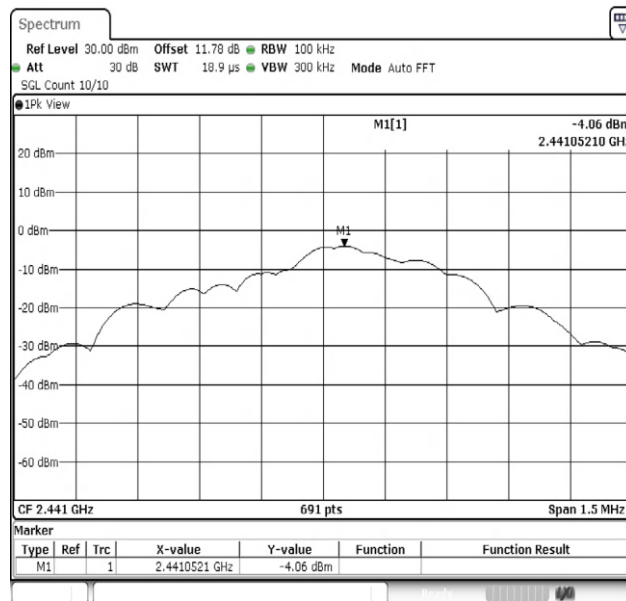


Test Graphs





DH5-Ant1-2402-1000~26500-PASS



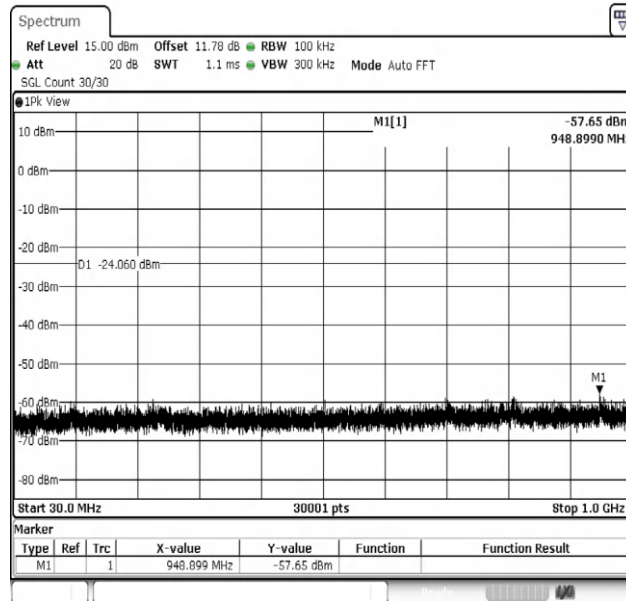
DH5-Ant1-2441-0~Reference-PASS

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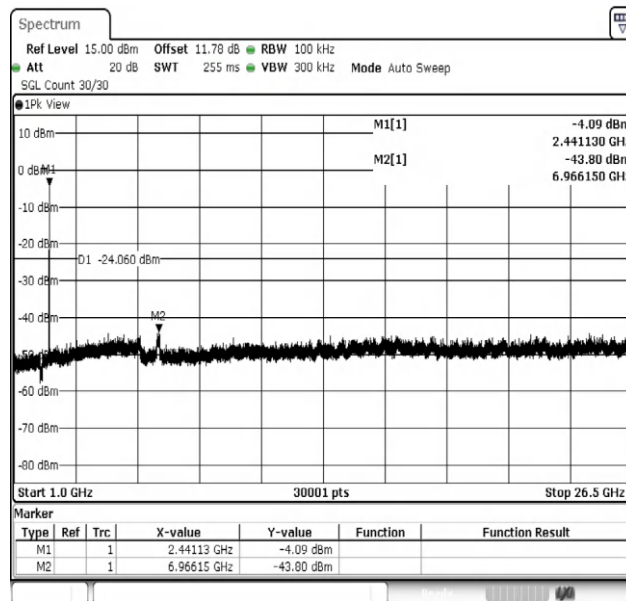
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

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400-003-0500
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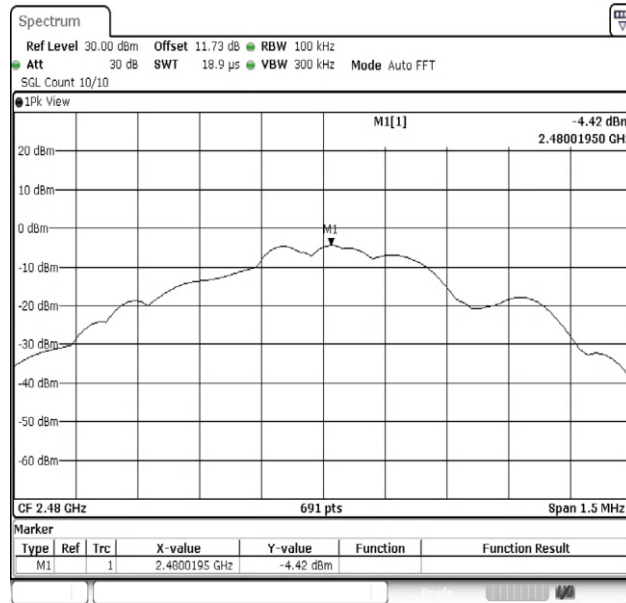


DH5-Ant1-2441-30~1000-PASS

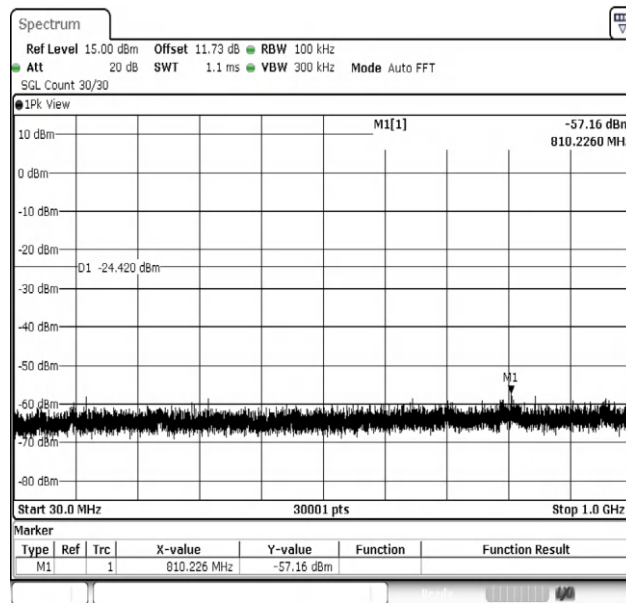


DH5-Ant1-2441-1000~26500-PASS



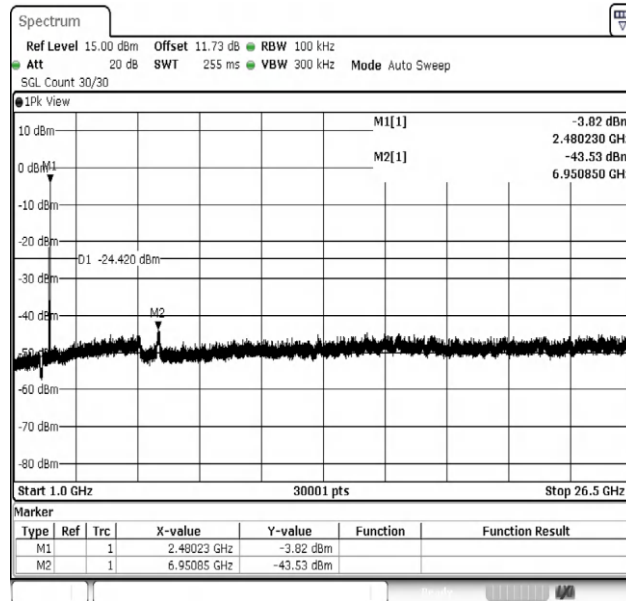


DH5-Ant1-2480-0~Reference-PASS

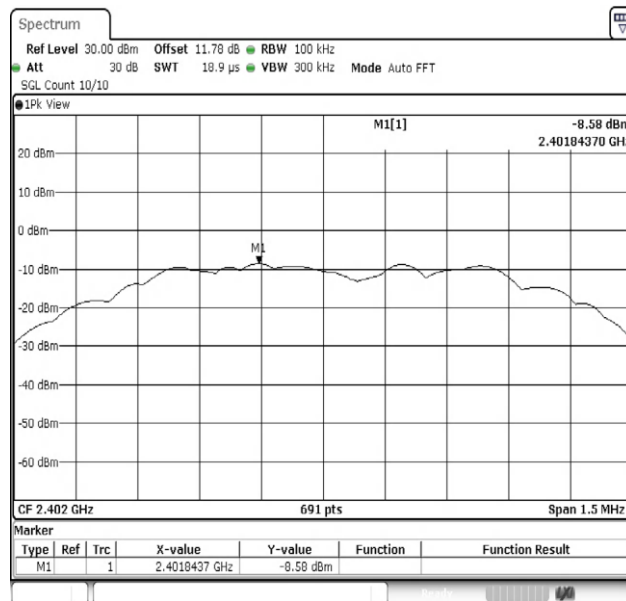


DH5-Ant1-2480-30~1000-PASS



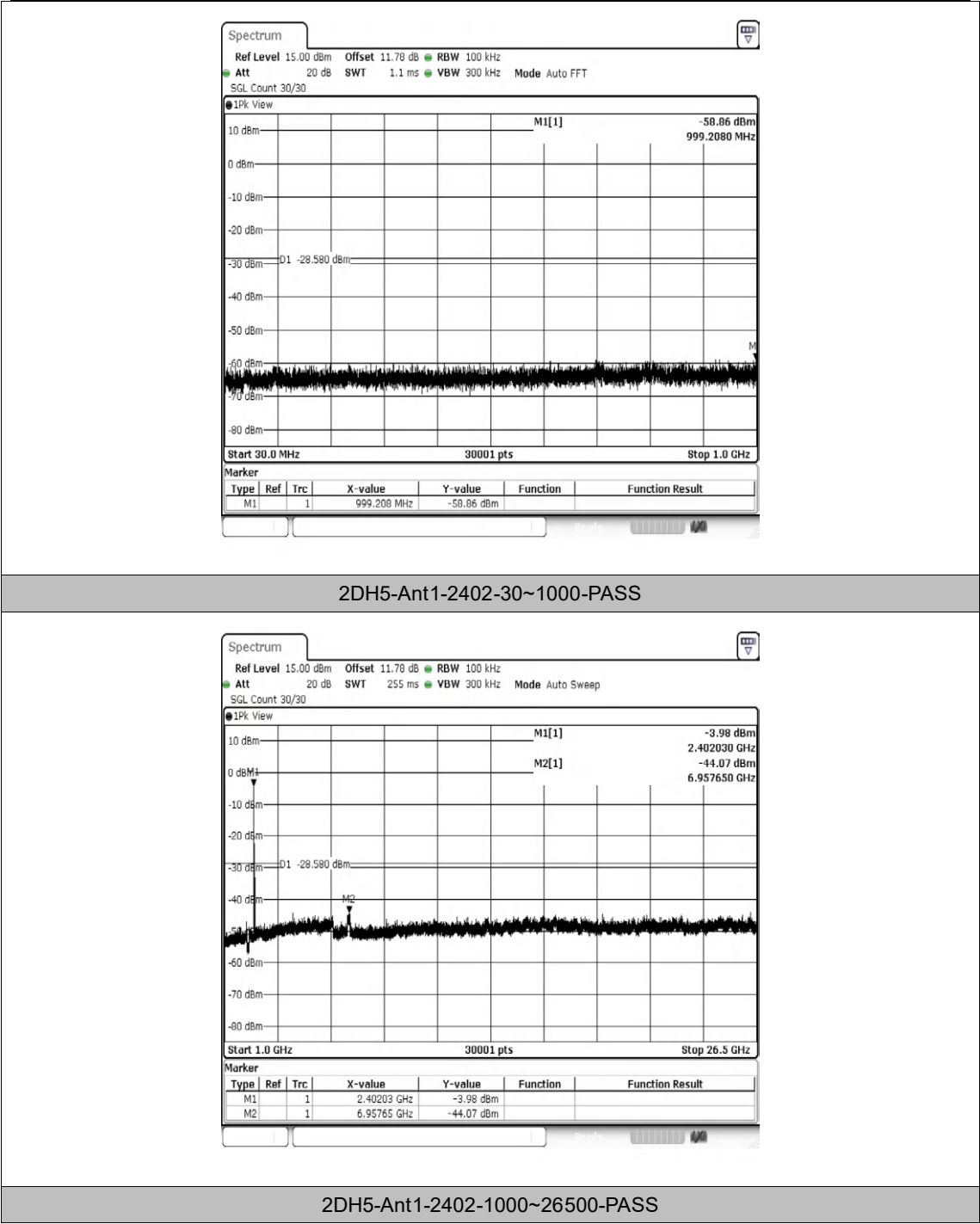


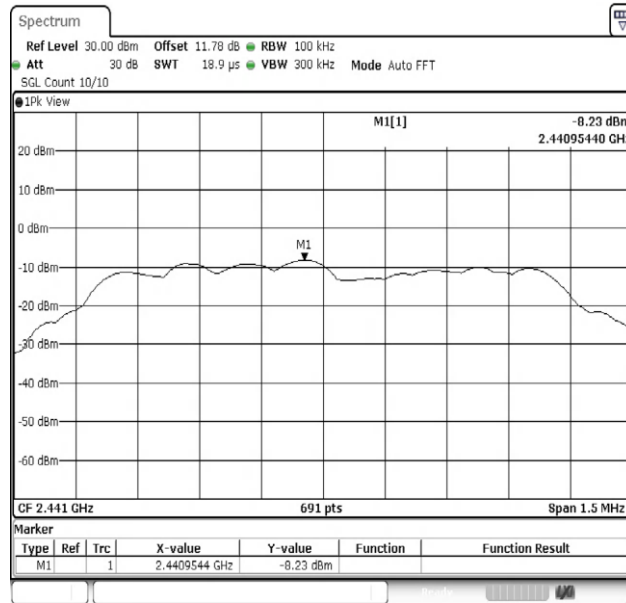
DH5-Ant1-2480-1000~26500-PASS



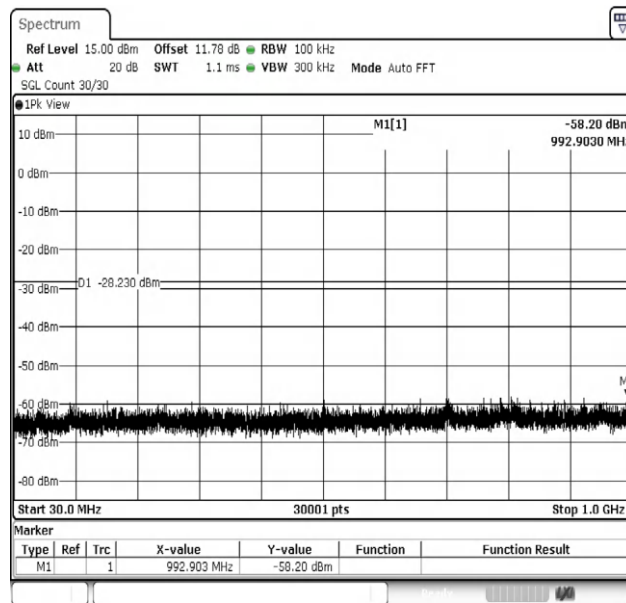
2DH5-Ant1-2402-0~Reference-PASS





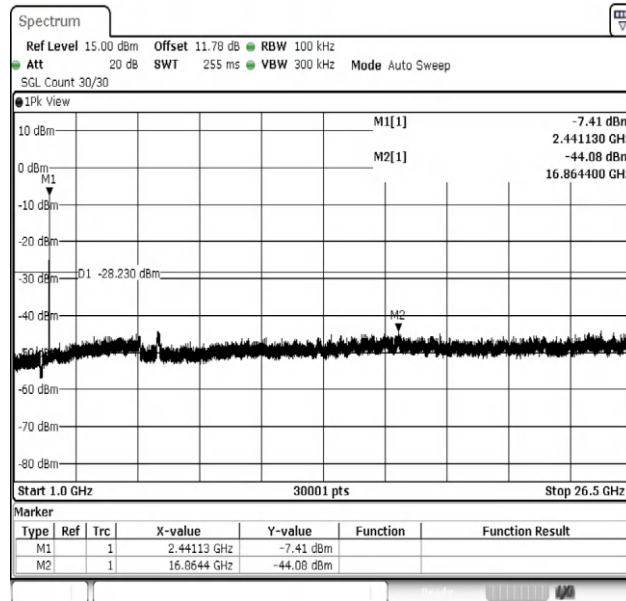


2DH5-Ant1-2441-0~Reference-PASS

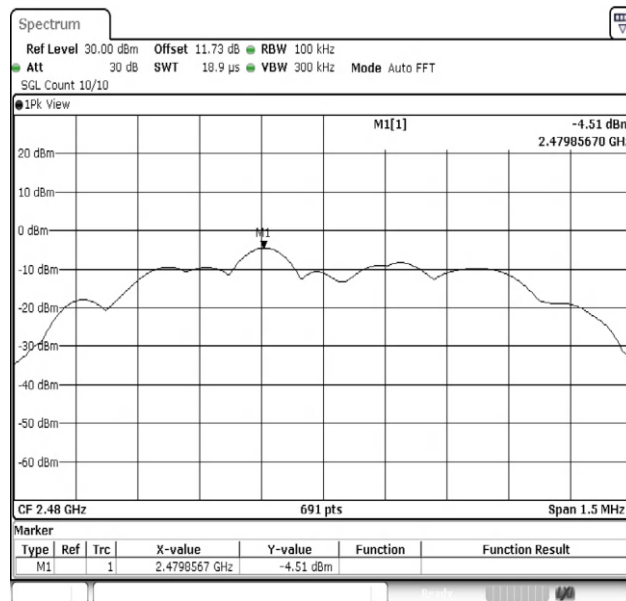


2DH5-Ant1-2441-30~1000-PASS



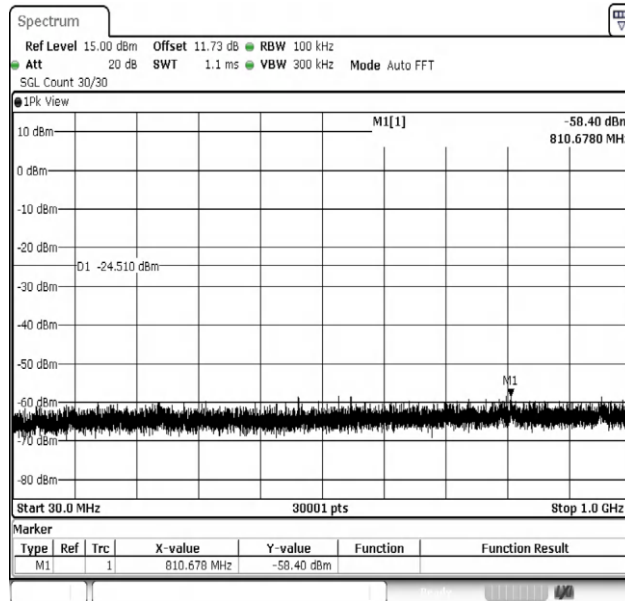


2DH5-Ant1-2441-1000~26500-PASS

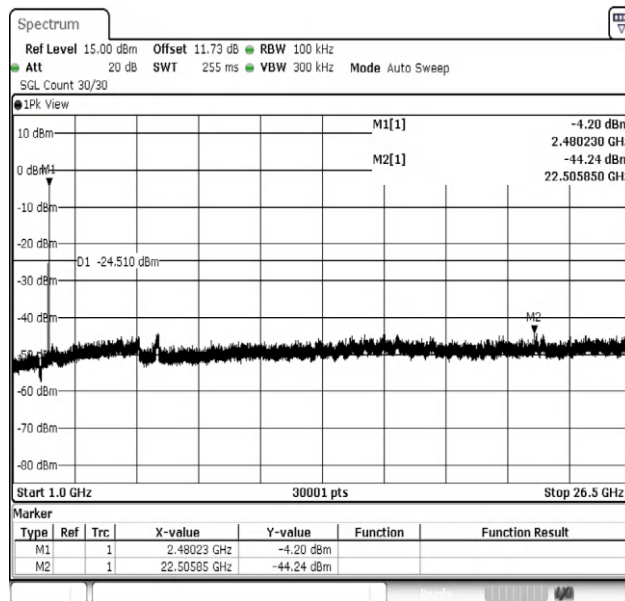


2DH5-Ant1-2480-0~Reference-PASS



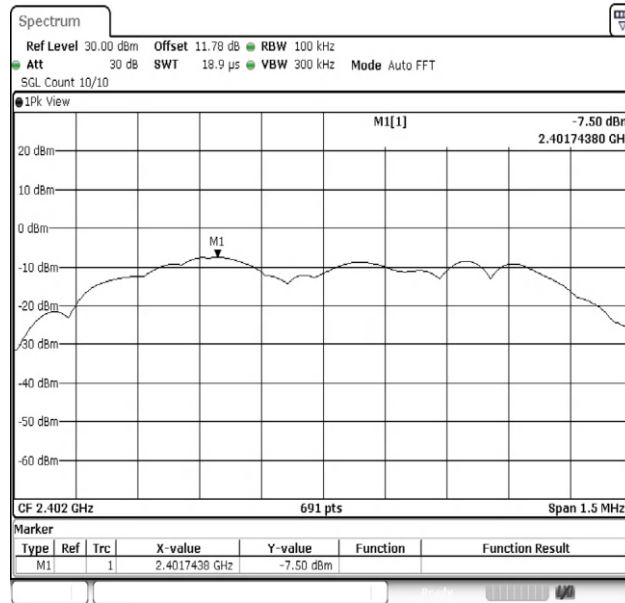


2DH5-Ant1-2480-30~1000-PASS

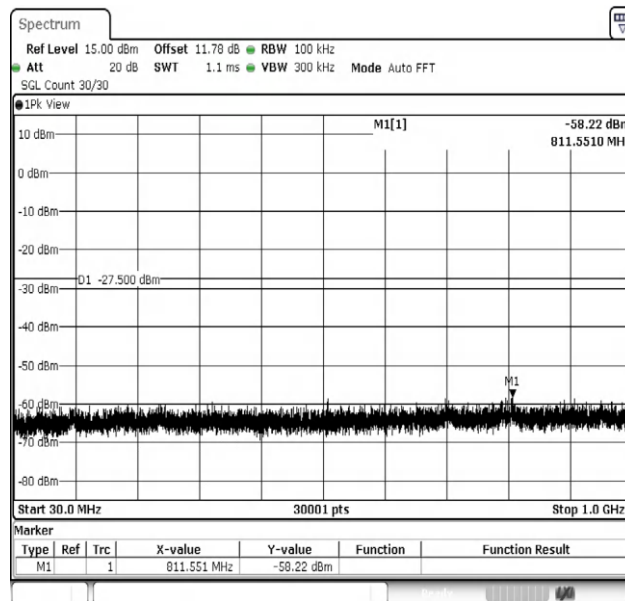


2DH5-Ant1-2480-1000~26500-PASS



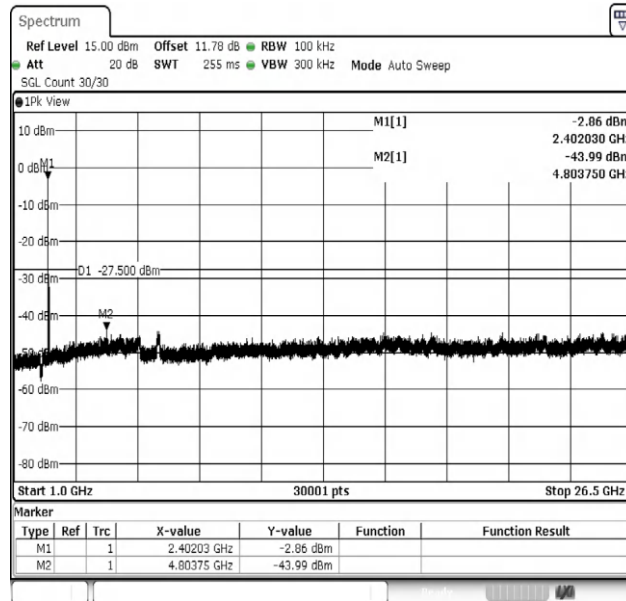


3DH5-Ant1-2402-0~Reference-PASS

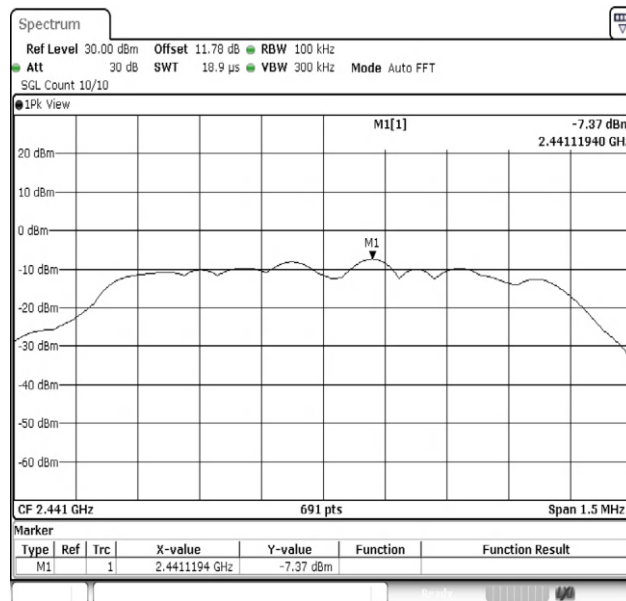


3DH5-Ant1-2402-30~1000-PASS



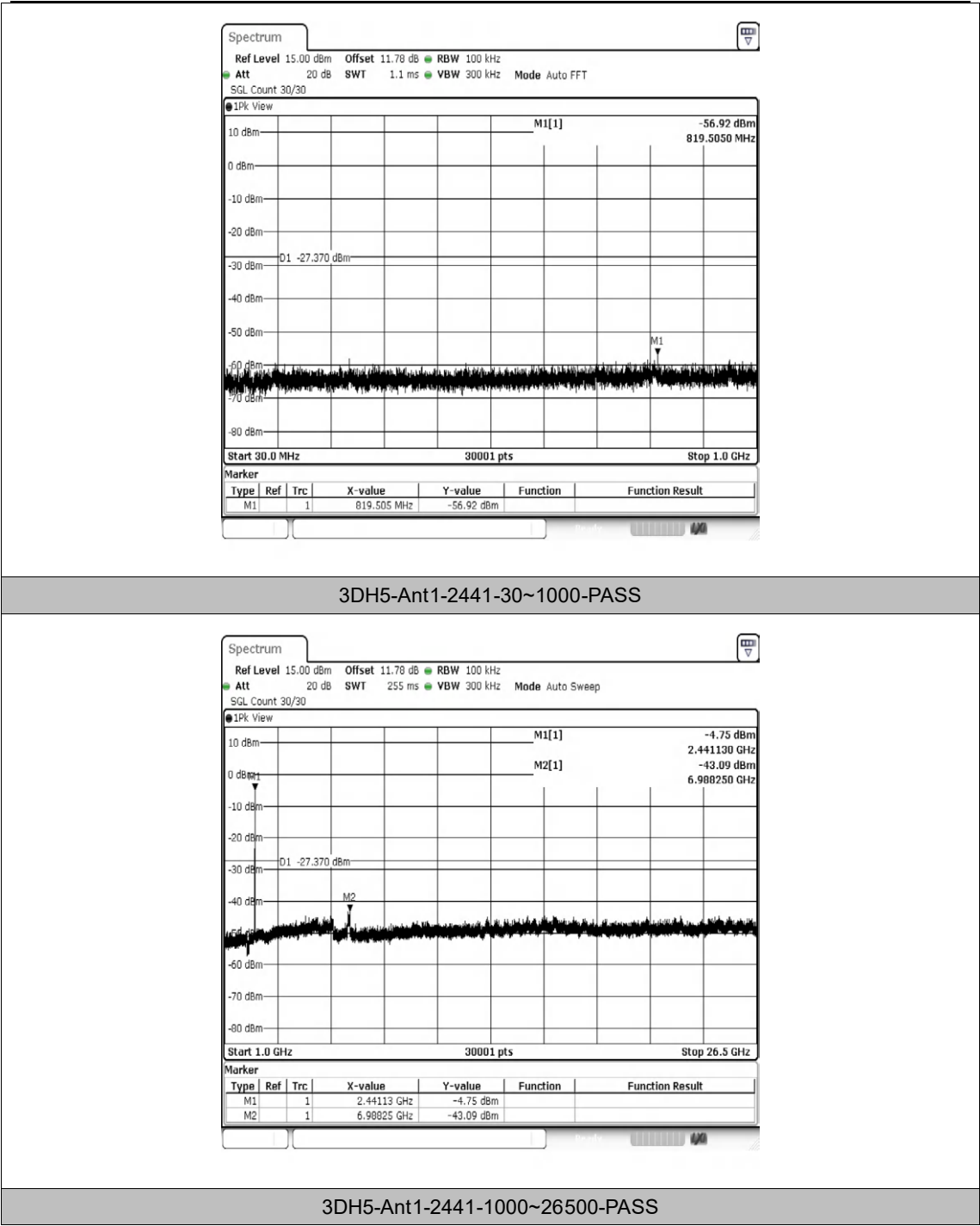


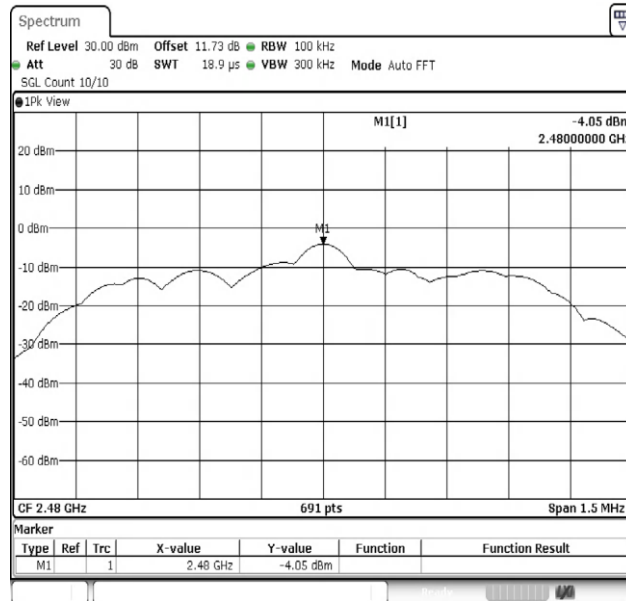
3DH5-Ant1-2402-1000~26500-PASS



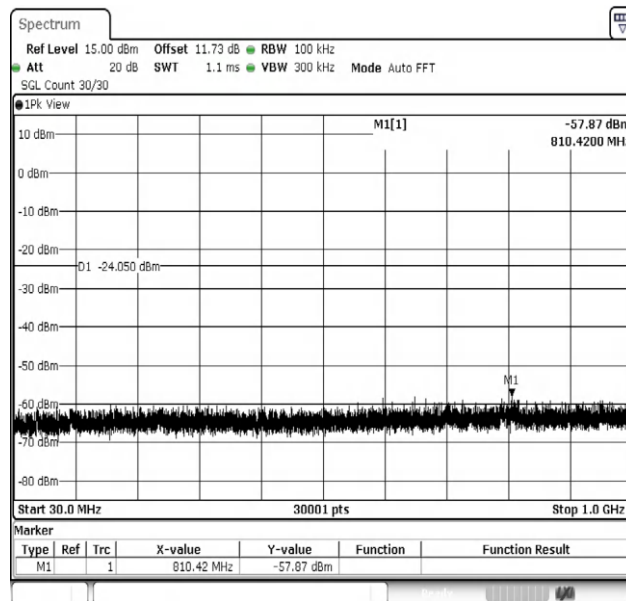
3DH5-Ant1-2441-0~Reference-PASS





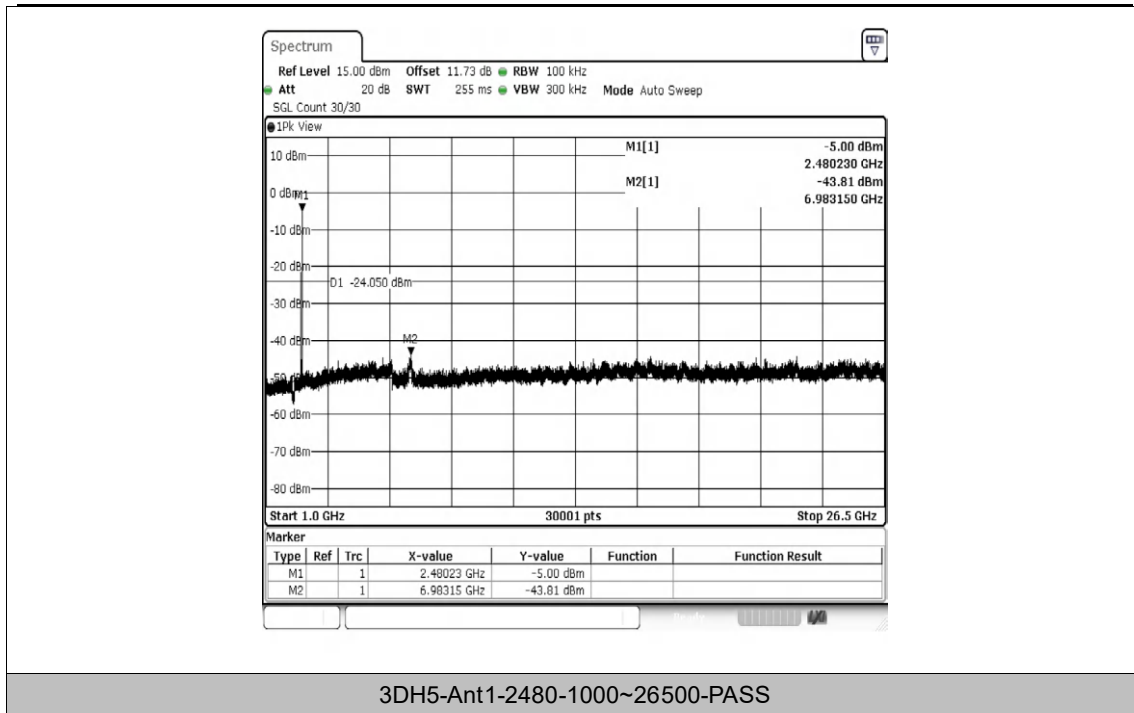


3DH5-Ant1-2480-0~Reference-PASS



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





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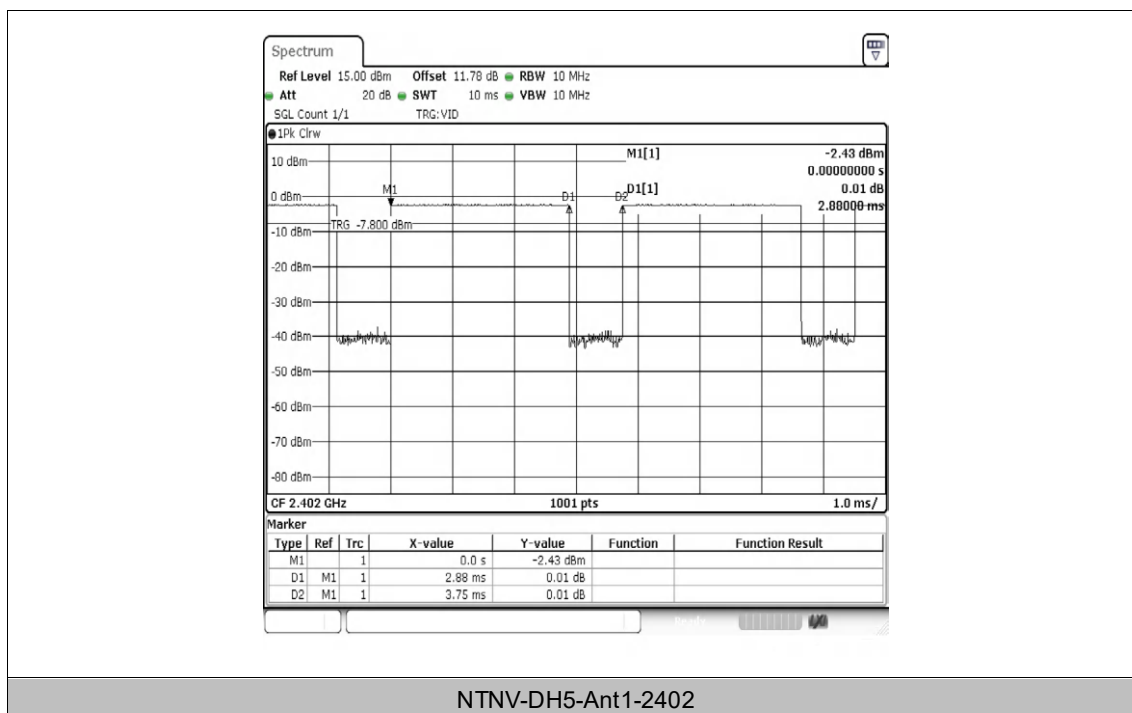


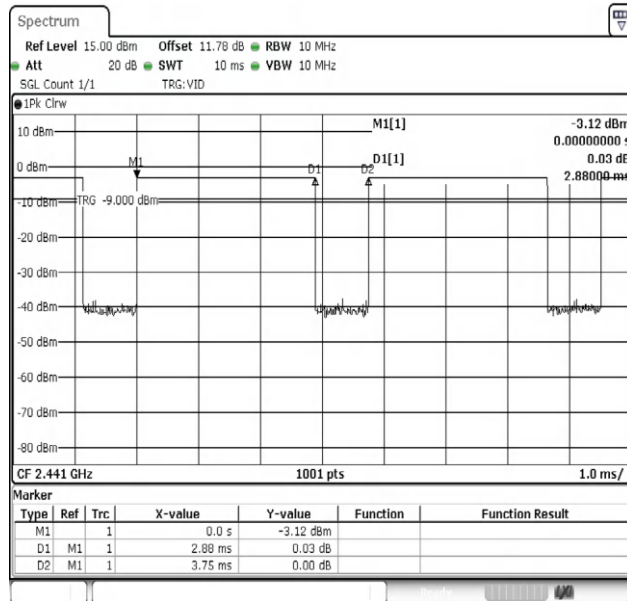
Appendix I: Duty Cycle

Test Result

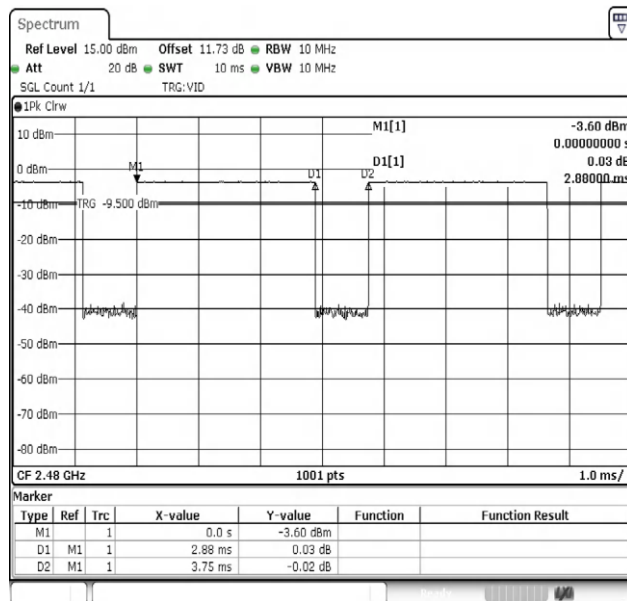
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.76	76.86	1.14
2DH5	Ant1	2480	2.89	3.75	77.07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

Test Graphs



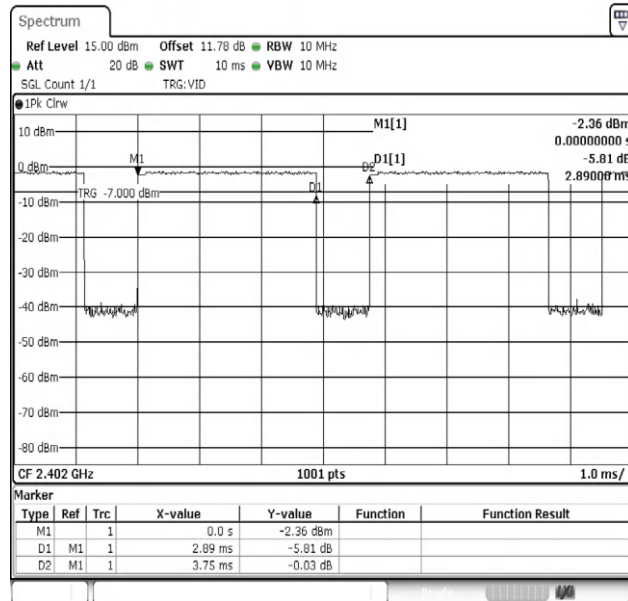


NTNV-DH5-Ant1-2441

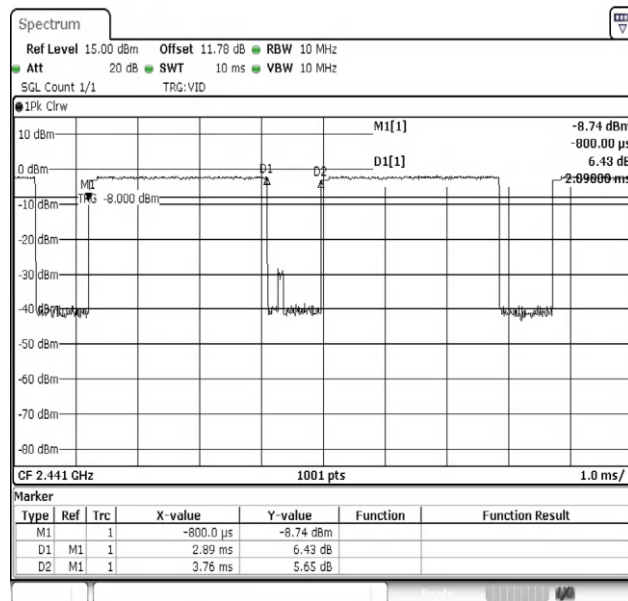


NTNV-DH5-Ant1-2480



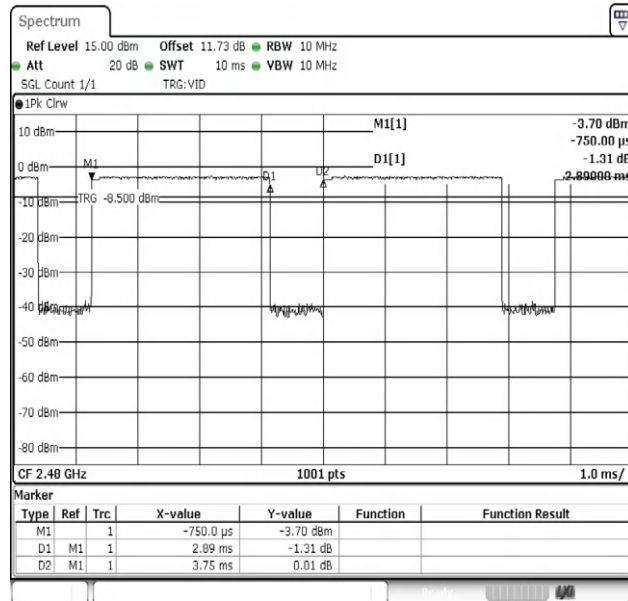


NTNV-2DH5-Ant1-2402

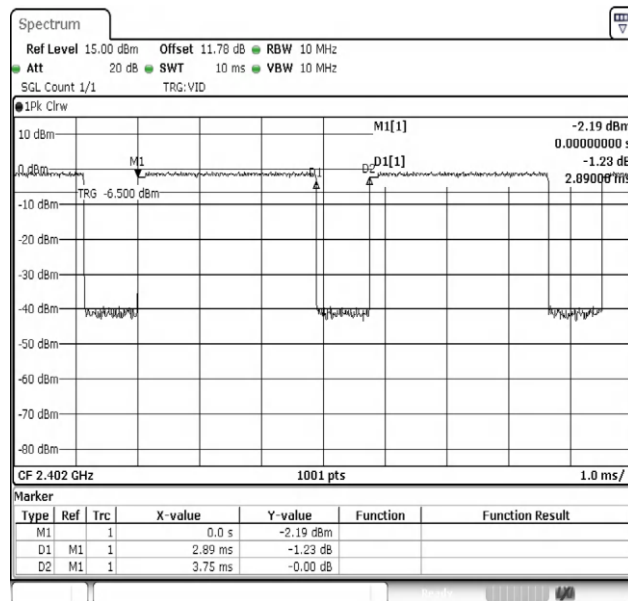


NTNV-2DH5-Ant1-2441



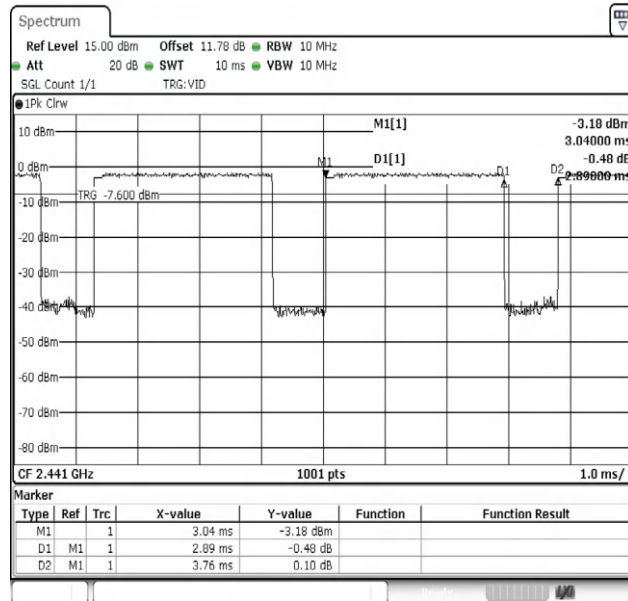


NTNV-2DH5-Ant1-2480

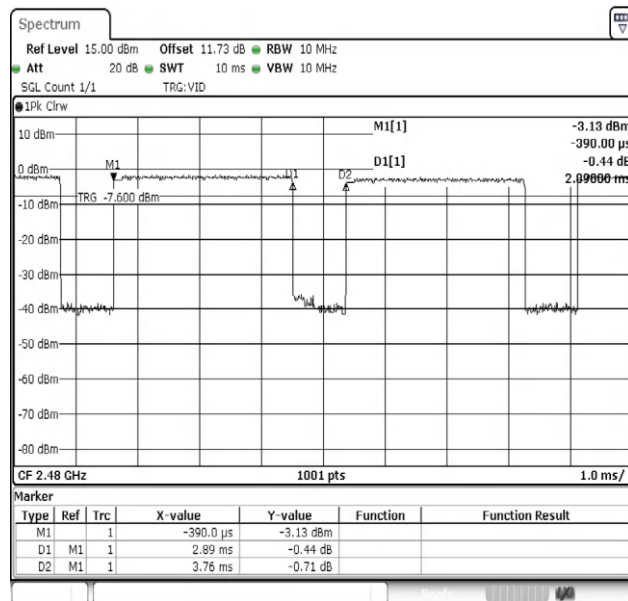


NTNV-3DH5-Ant1-2402





NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480

---END---

