

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: True Wireless Stereo Bluetooth Headset

Trade Mark: aigo

Test Model: TA51

FCC ID: 2ASNB-TA51

Environmental Conditions

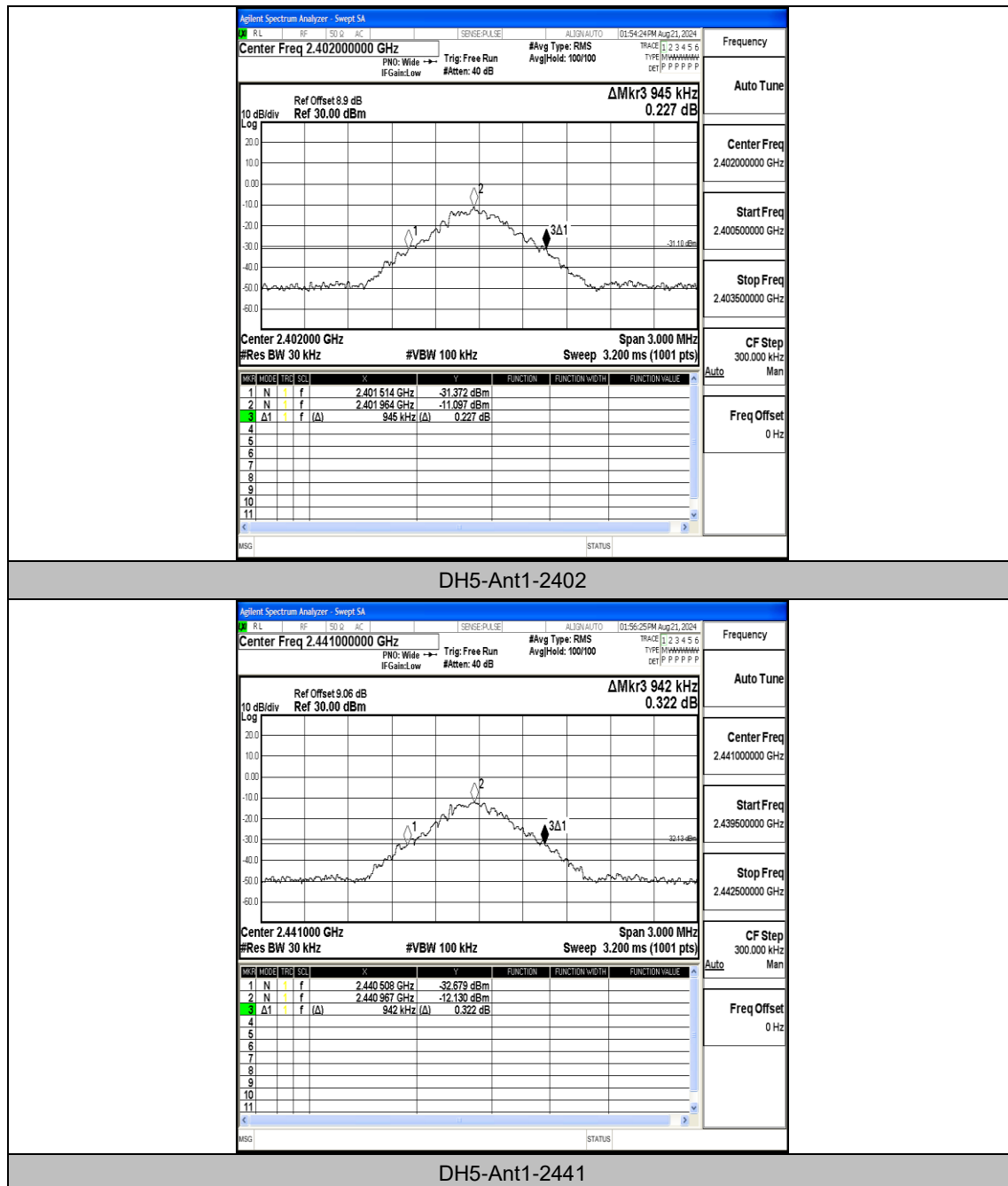
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

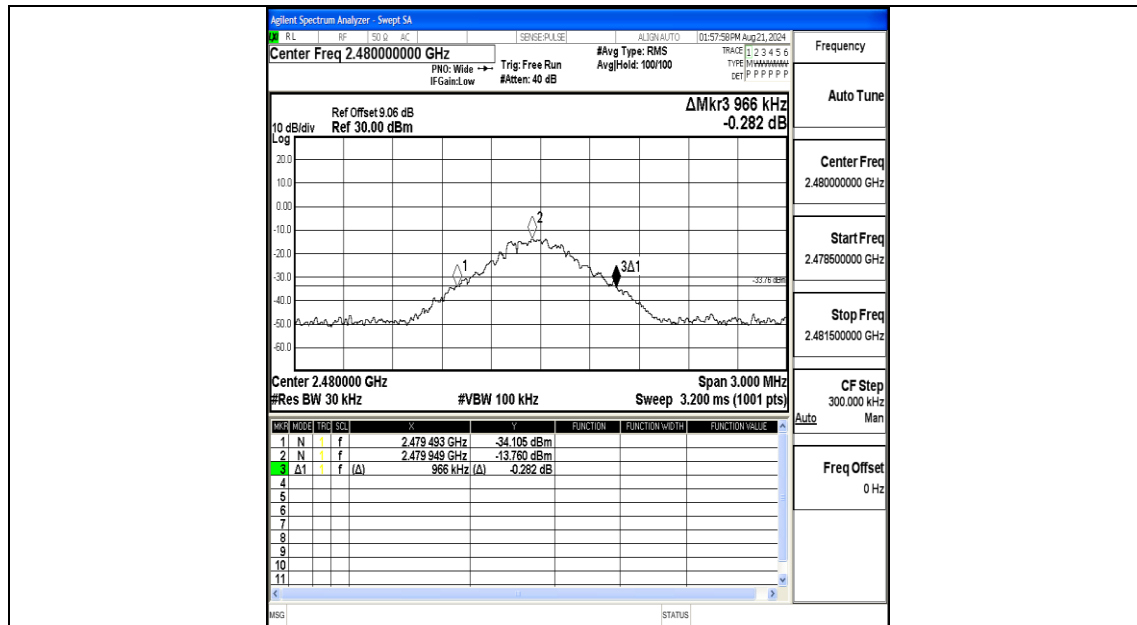
Appendix A: 20dB Emission Bandwidth

Test Result

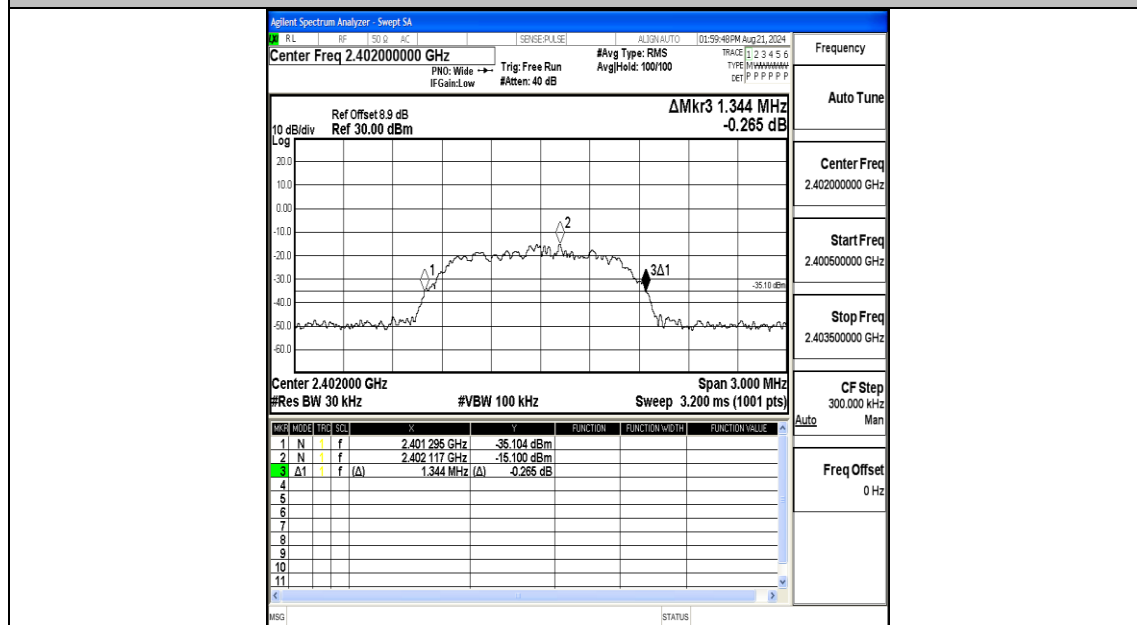
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.514	2402.459	---	---
DH5	Ant1	2441	0.942	2440.508	2441.450	---	---
DH5	Ant1	2480	0.966	2479.493	2480.459	---	---
2DH5	Ant1	2402	1.344	2401.295	2402.639	---	---
2DH5	Ant1	2441	1.254	2440.352	2441.606	---	---
2DH5	Ant1	2480	1.356	2479.292	2480.648	---	---
3DH5	Ant1	2402	1.281	2401.328	2402.609	---	---
3DH5	Ant1	2441	1.248	2440.352	2441.600	---	---
3DH5	Ant1	2480	1.311	2479.316	2480.627	---	---

Test Graphs

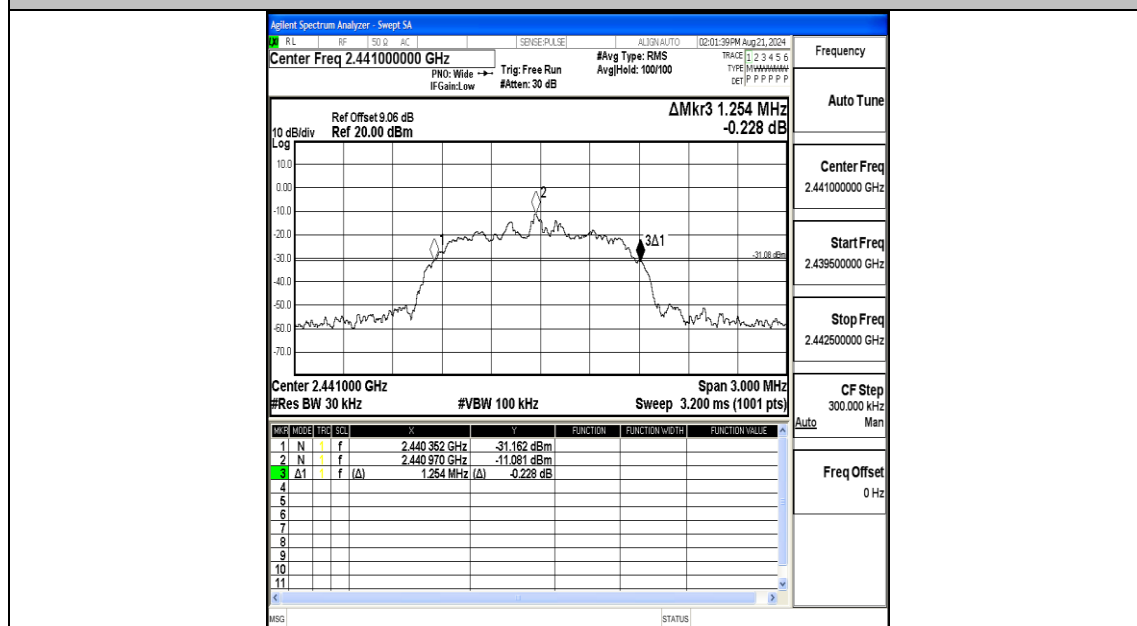




DH5-Ant1-2480

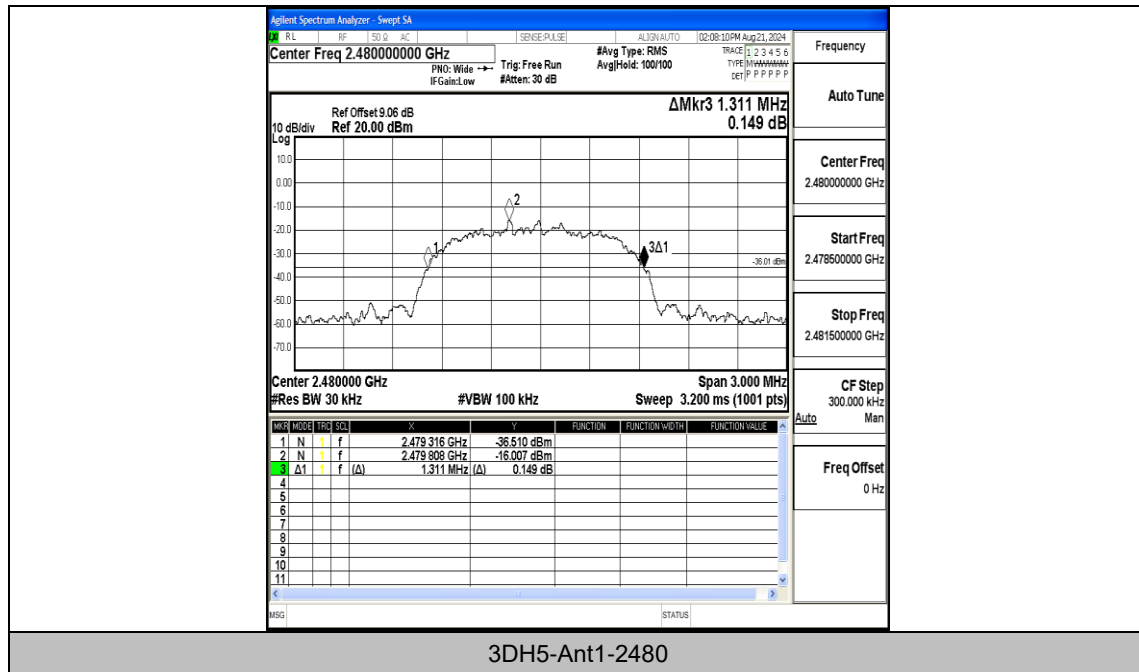


2DH5-Ant1-2402



2DH5-Ant1-2441



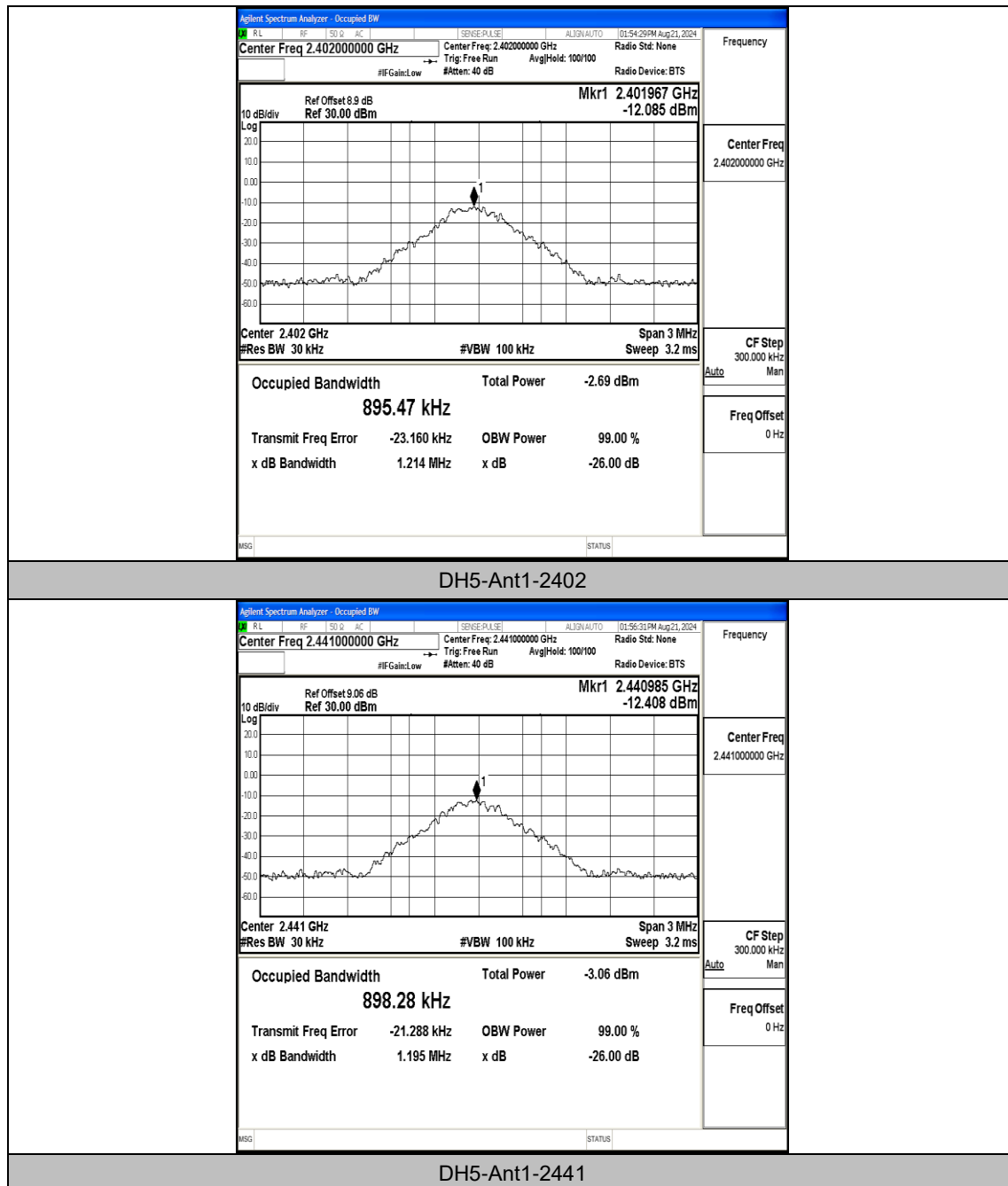


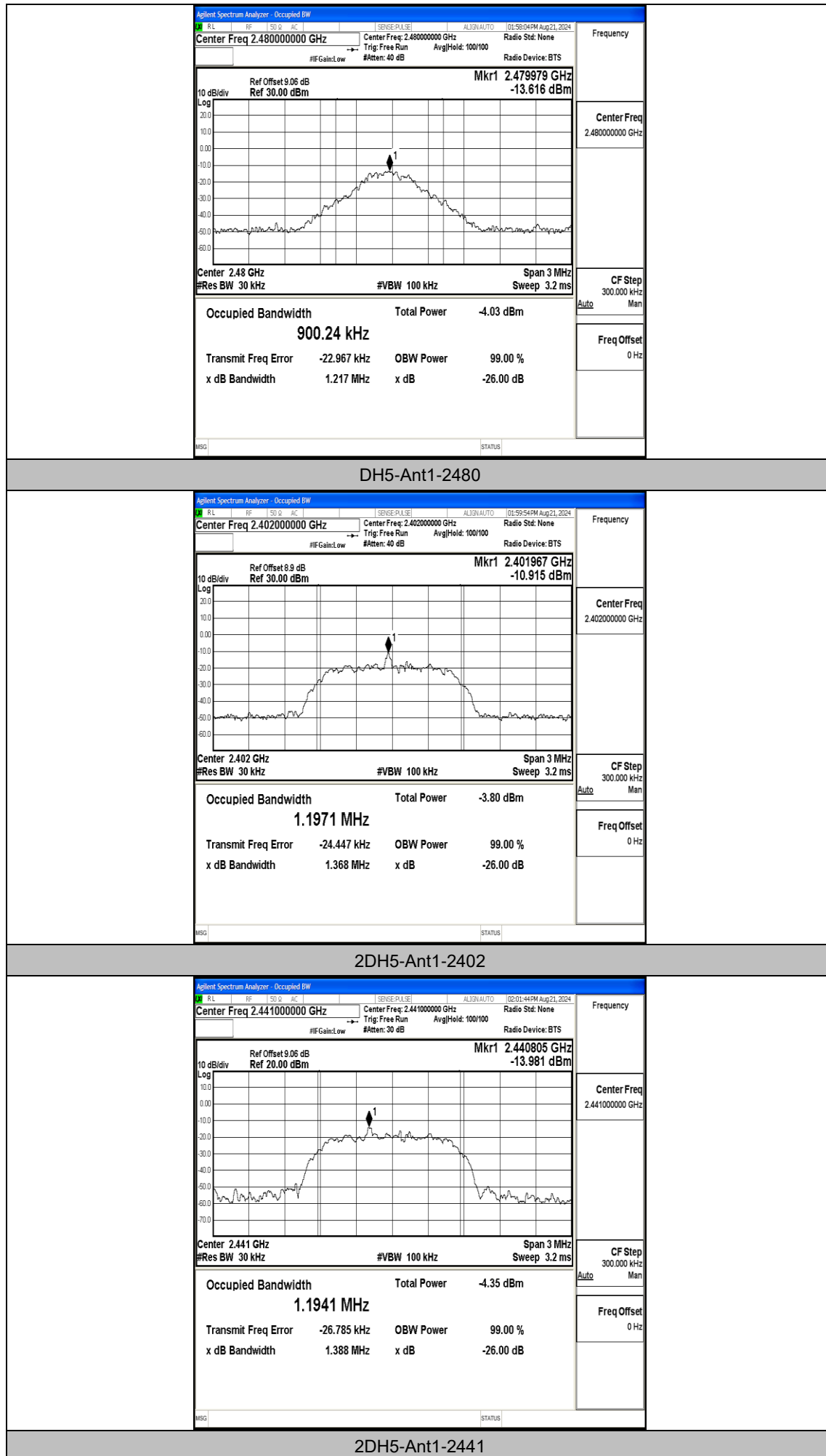
Appendix B: Occupied Channel Bandwidth

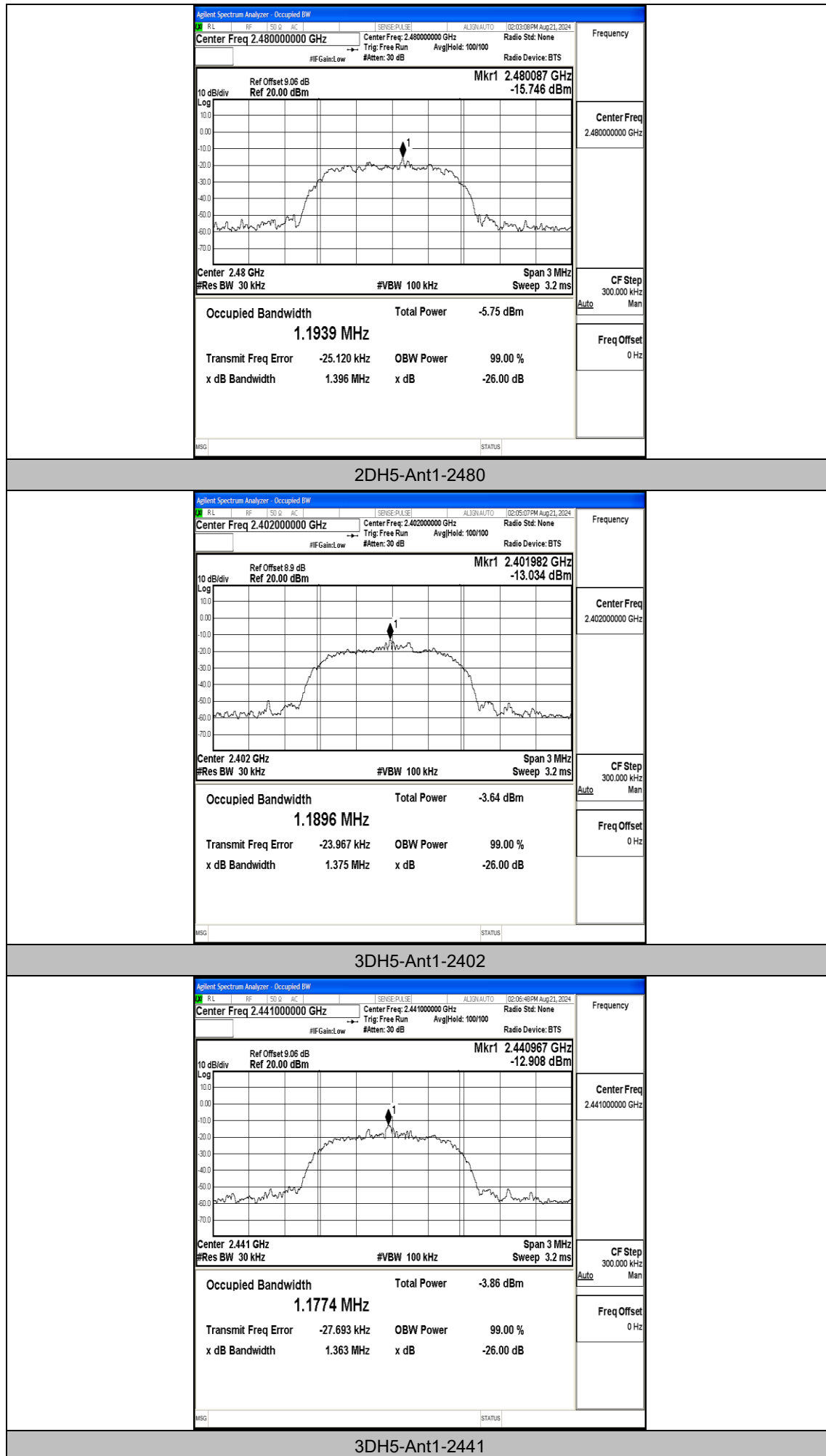
Test Result

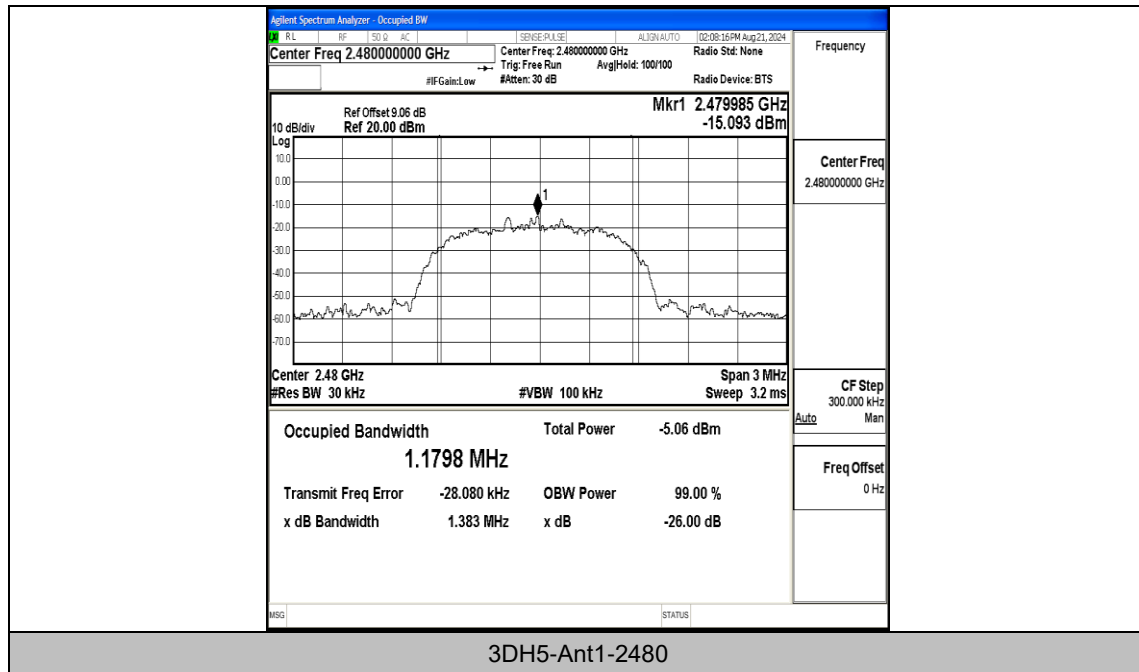
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89547	2401.5291	2402.4246	---	---
DH5	Ant1	2441	0.89828	2440.5296	2441.4279	---	---
DH5	Ant1	2480	0.90024	2479.5269	2480.4272	---	---
2DH5	Ant1	2402	1.1971	2401.3770	2402.5741	---	---
2DH5	Ant1	2441	1.1941	2440.3762	2441.5703	---	---
2DH5	Ant1	2480	1.1939	2479.3779	2480.5718	---	---
3DH5	Ant1	2402	1.1896	2401.3812	2402.5708	---	---
3DH5	Ant1	2441	1.1774	2440.3836	2441.5610	---	---
3DH5	Ant1	2480	1.1798	2479.3820	2480.5618	---	---

Test Graphs







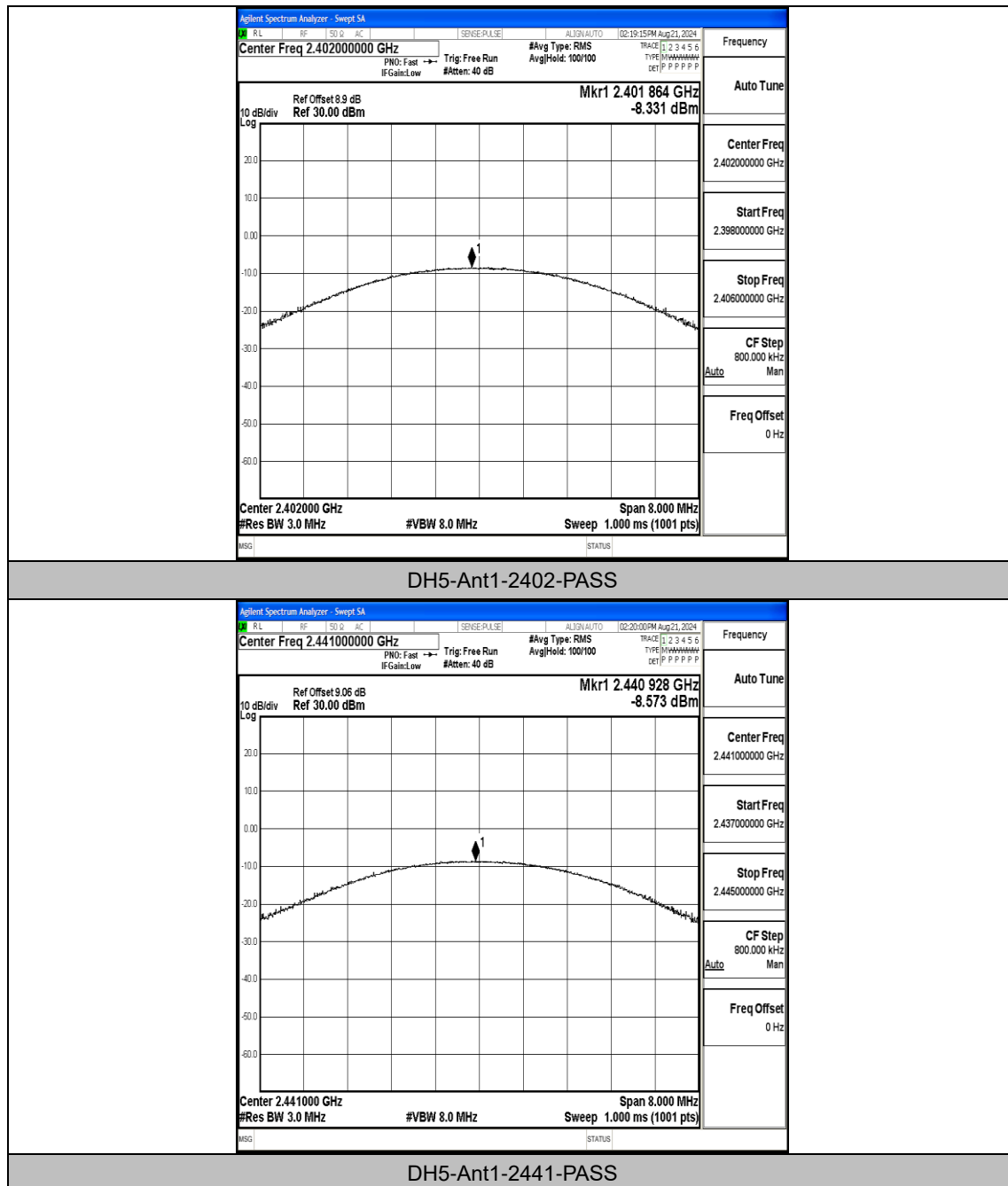


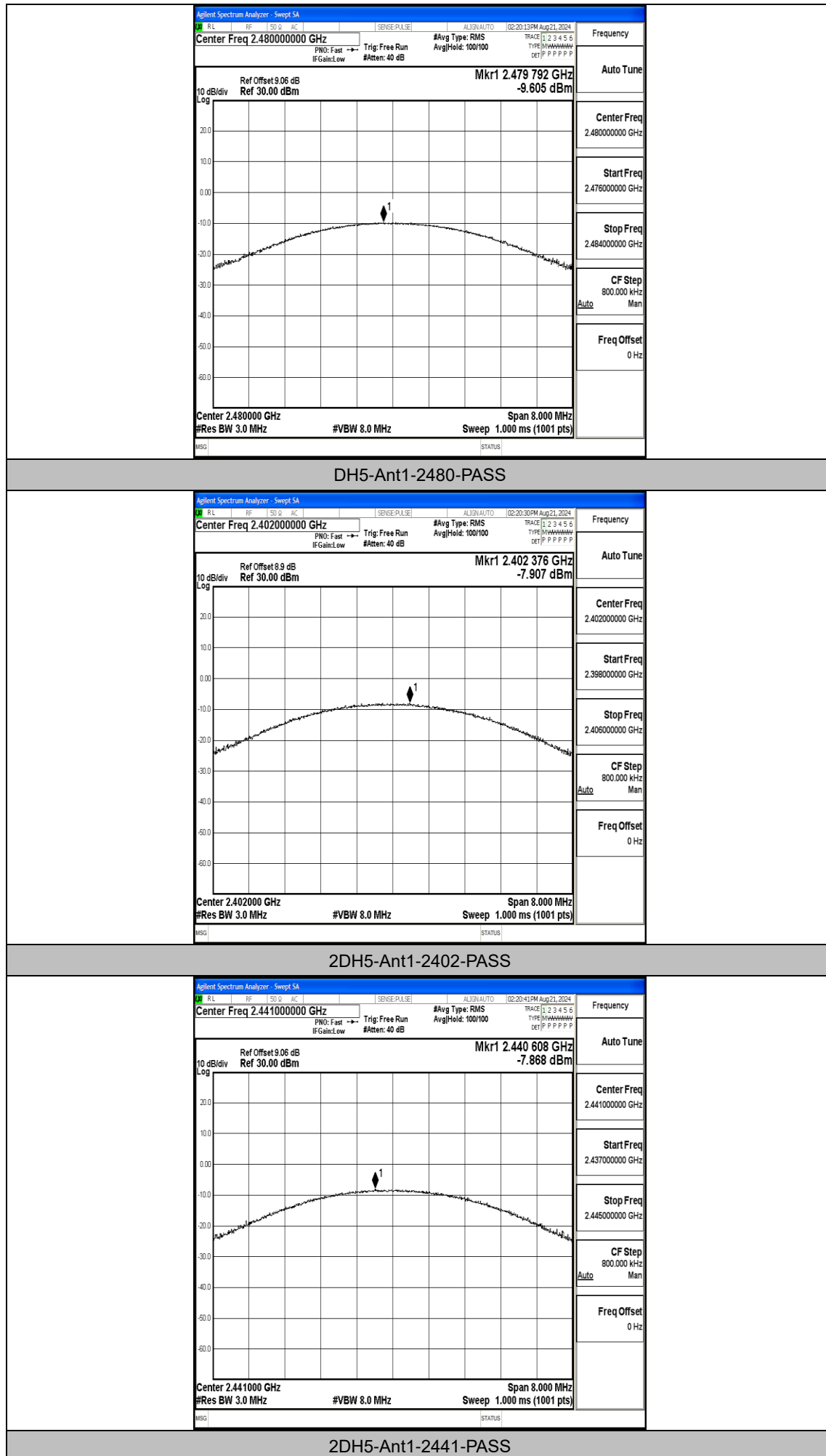
Appendix C: Maximum peak conducted output power

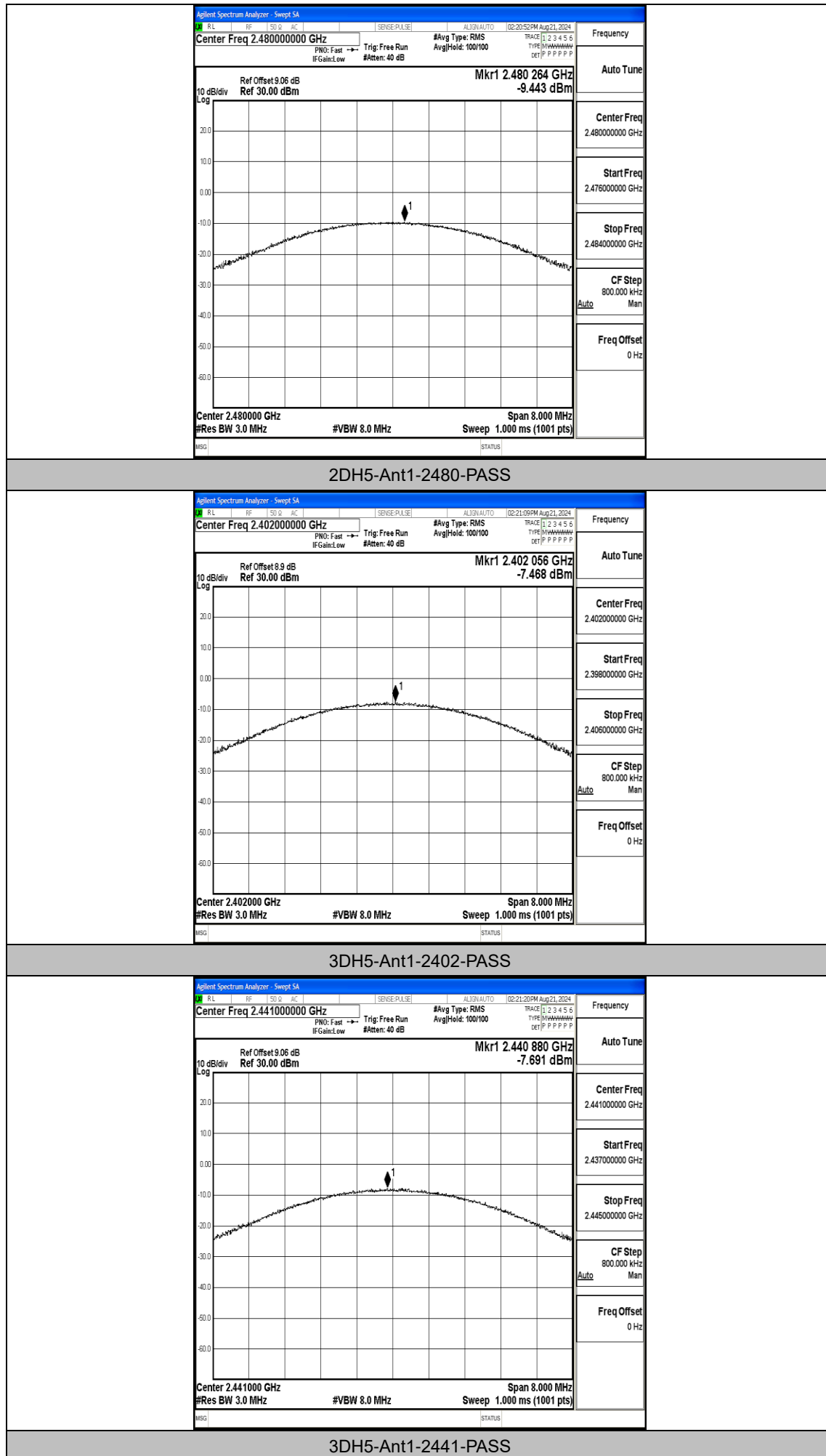
Test Result

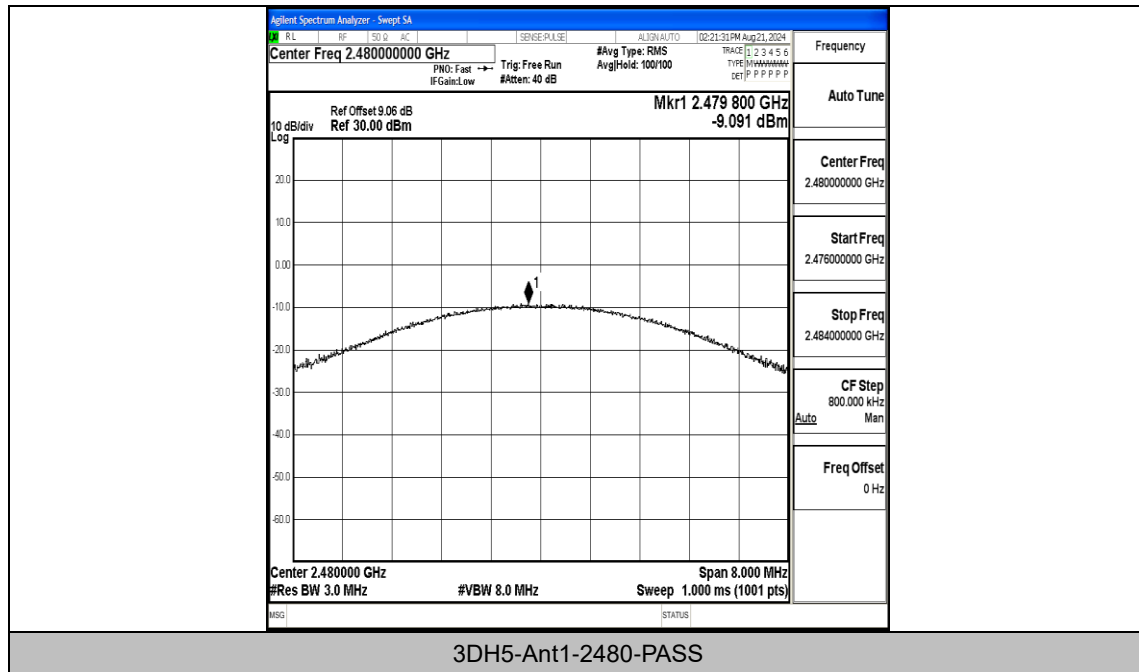
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-8.33	≤30	PASS
DH5	Ant1	2441	-8.57	≤30	PASS
DH5	Ant1	2480	-9.61	≤30	PASS
2DH5	Ant1	2402	-7.91	≤20.97	PASS
2DH5	Ant1	2441	-7.87	≤20.97	PASS
2DH5	Ant1	2480	-9.44	≤20.97	PASS
3DH5	Ant1	2402	-7.47	≤20.97	PASS
3DH5	Ant1	2441	-7.69	≤20.97	PASS
3DH5	Ant1	2480	-9.09	≤20.97	PASS

Test Graphs







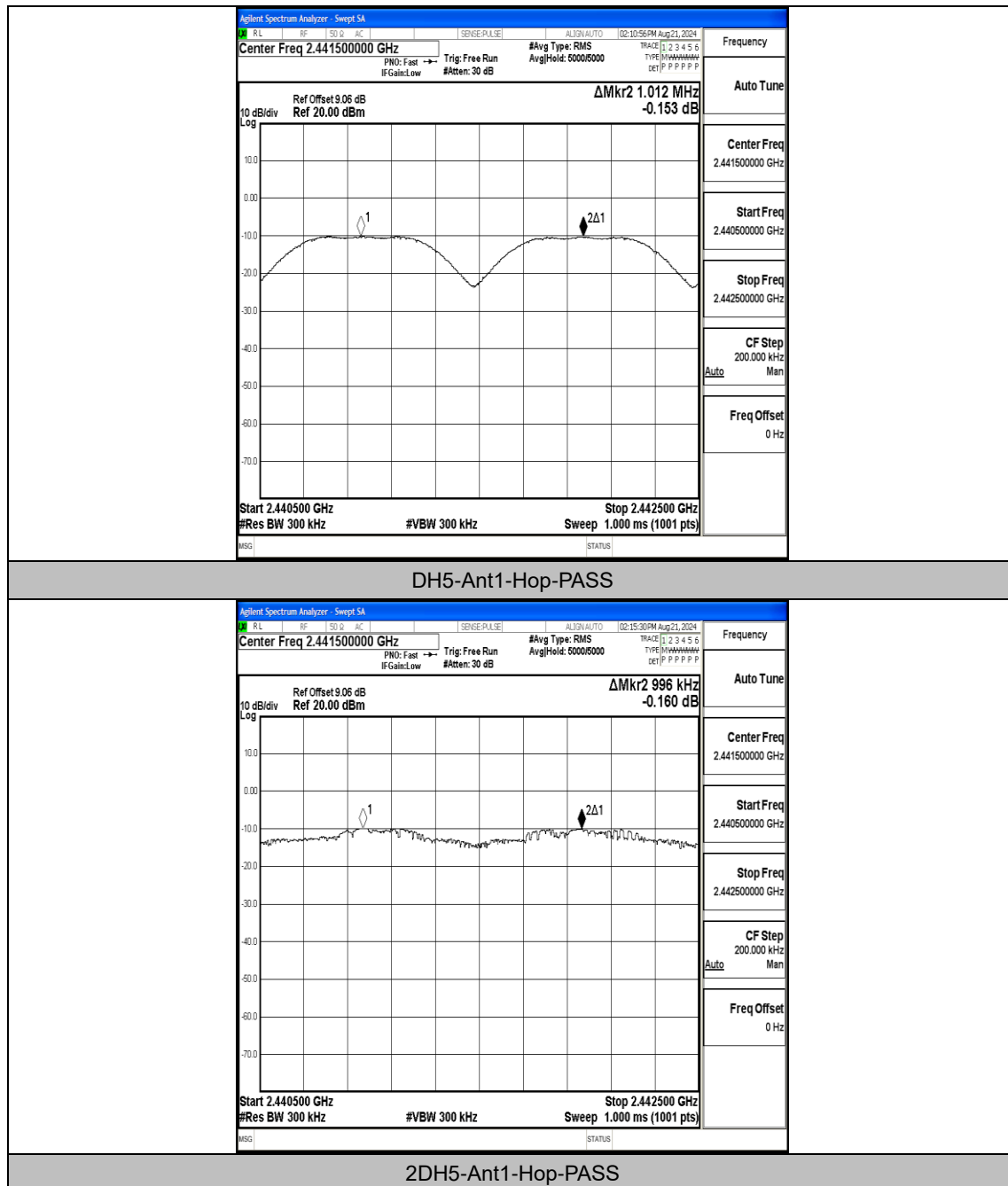


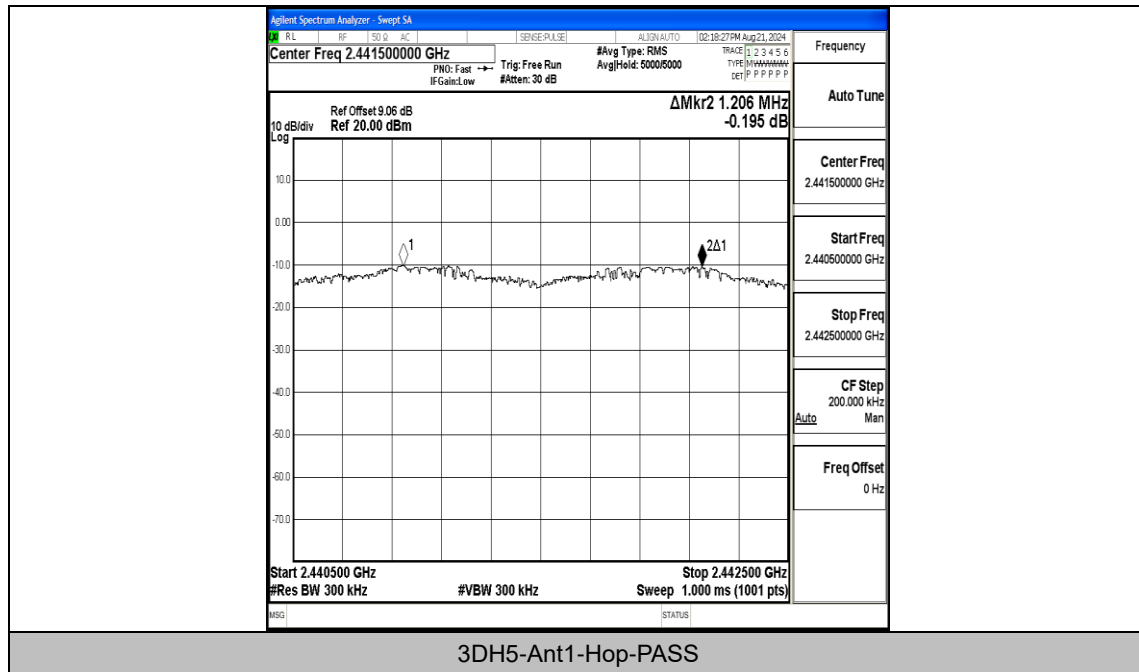
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.966	PASS
2DH5	Ant1	Hop	0.996	≥ 0.904	PASS
3DH5	Ant1	Hop	1.206	≥ 0.874	PASS

Test Graphs



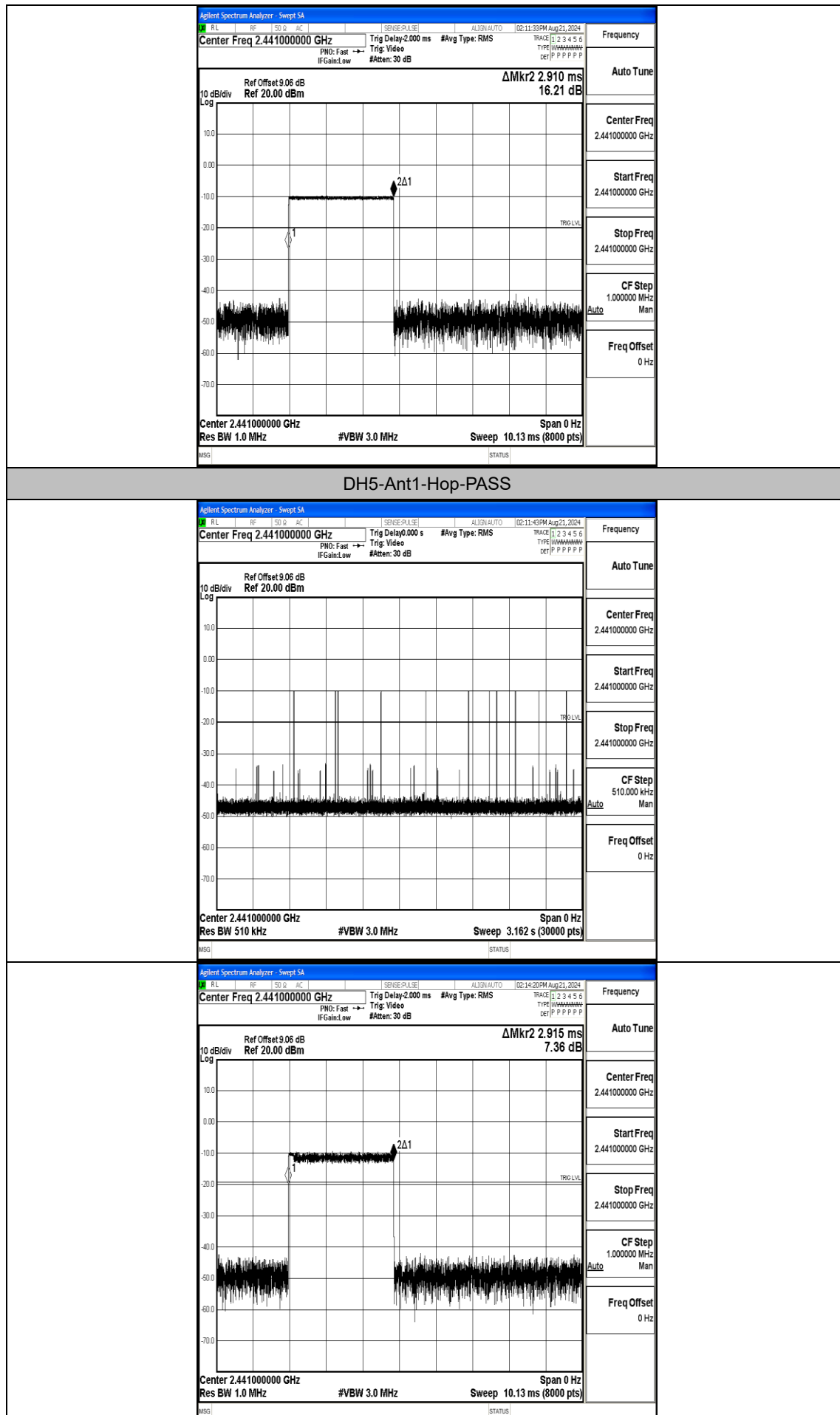


Appendix E: Time of occupancy

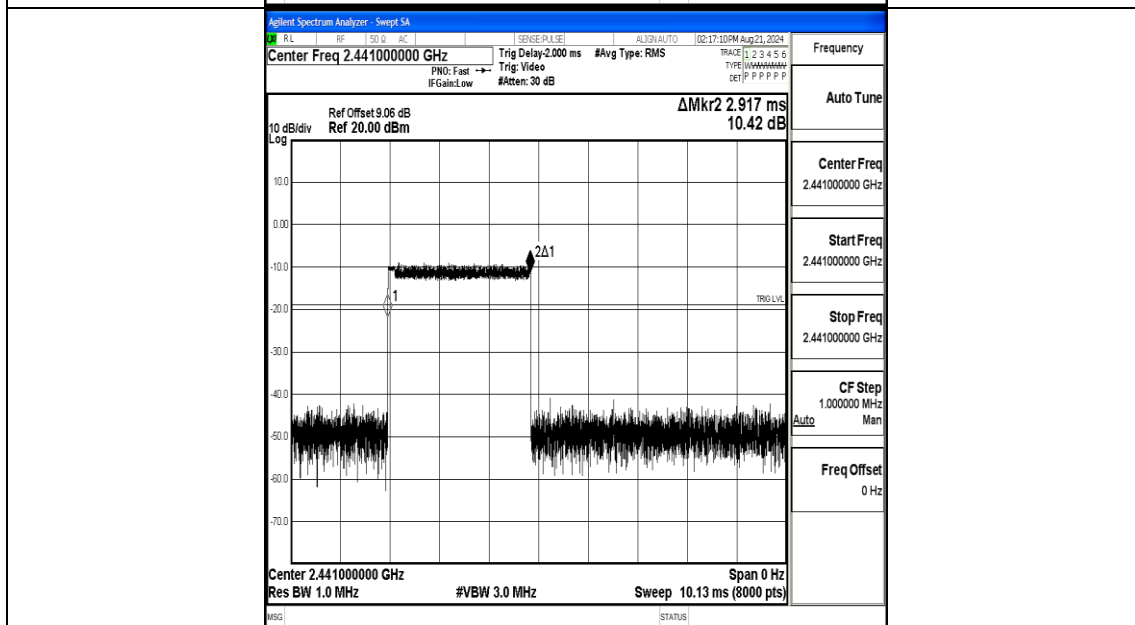
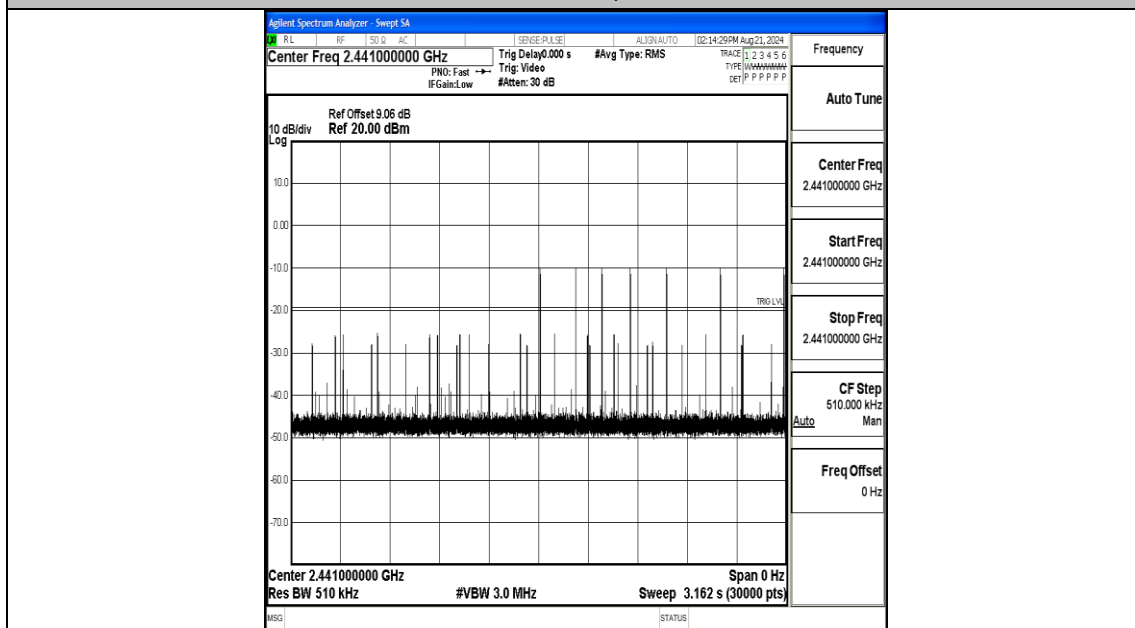
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.910	120	0.349	≤0.4	PASS
2DH5	Ant1	Hop	2.915	80	0.233	≤0.4	PASS
3DH5	Ant1	Hop	2.917	130	0.379	≤0.4	PASS

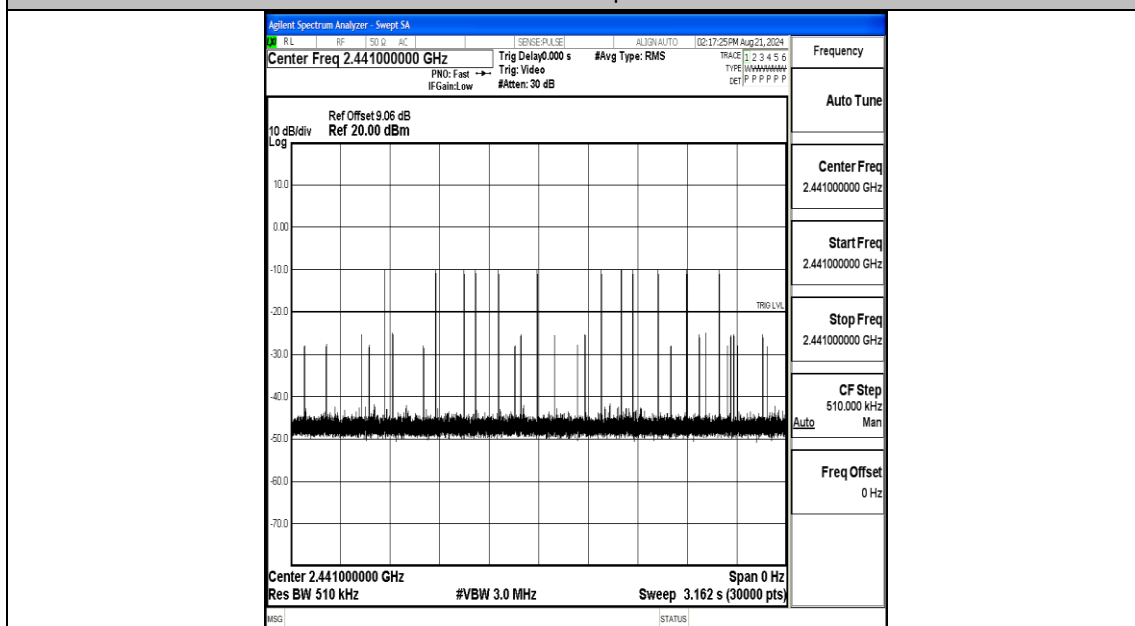
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



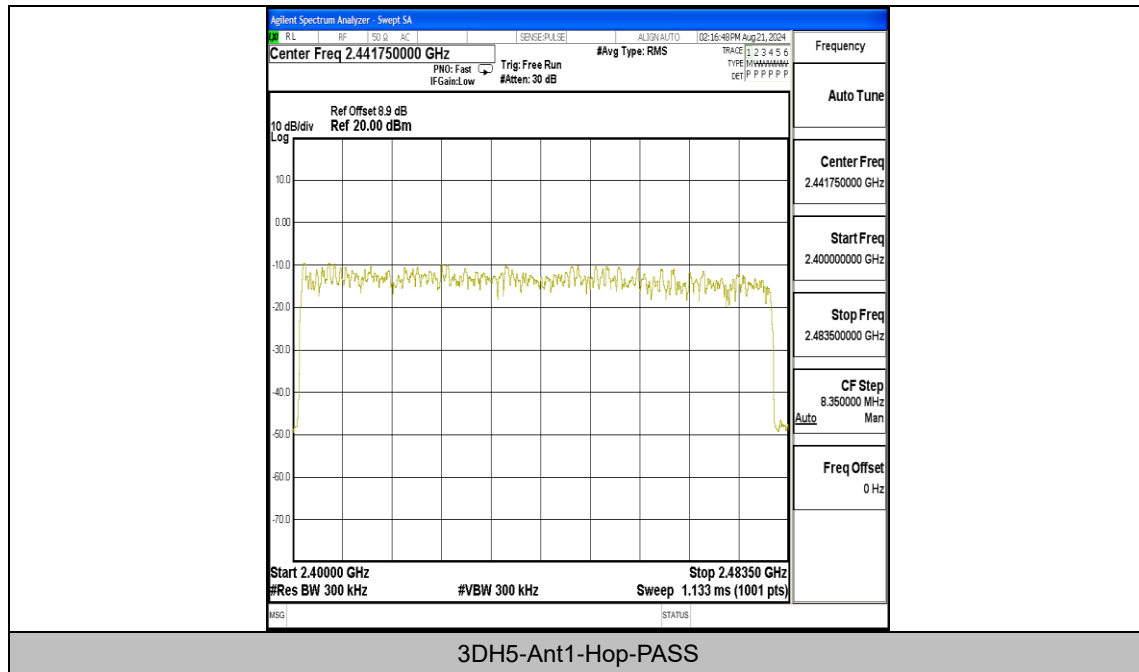
Appendix F: Number of hopping channels

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



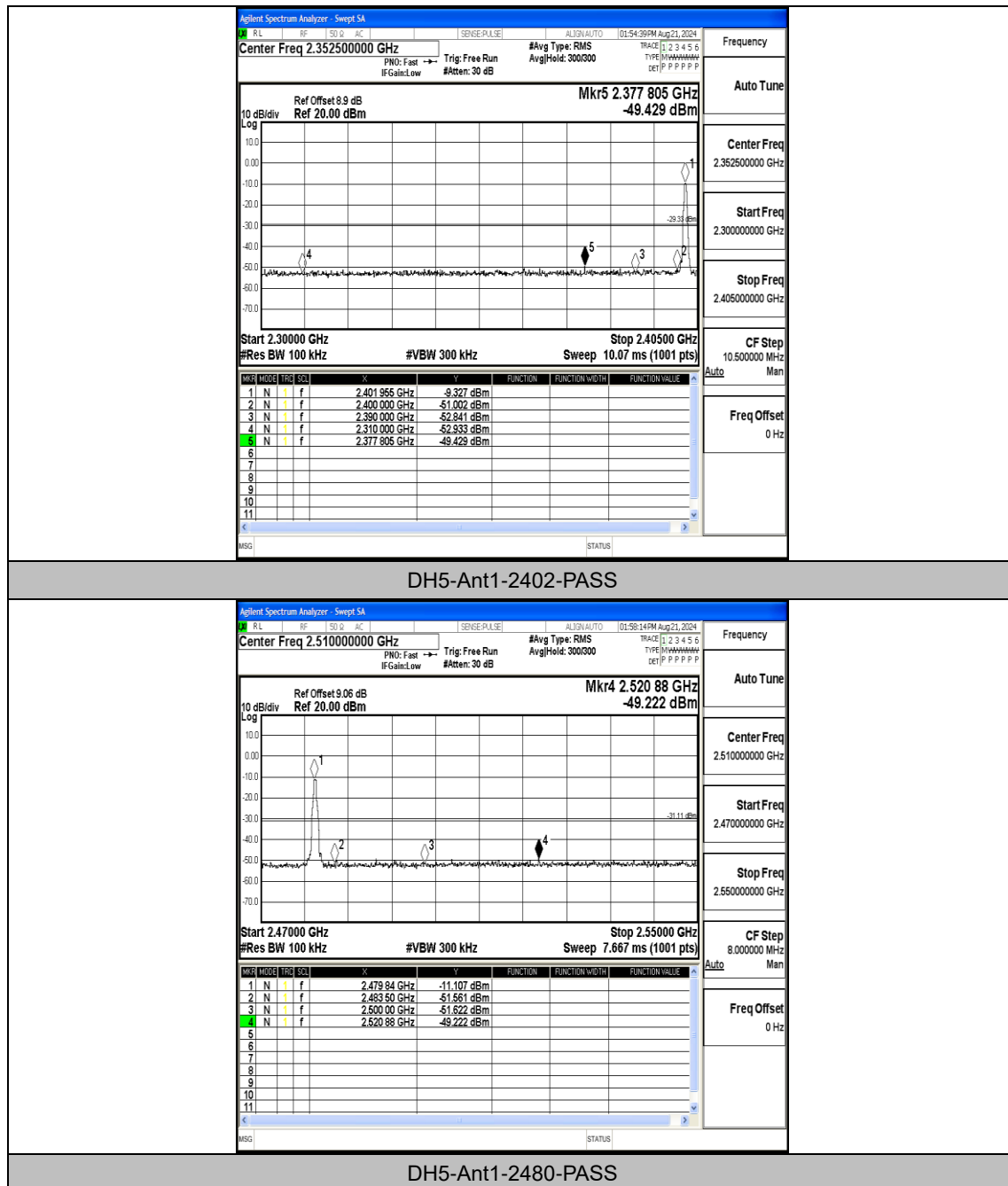


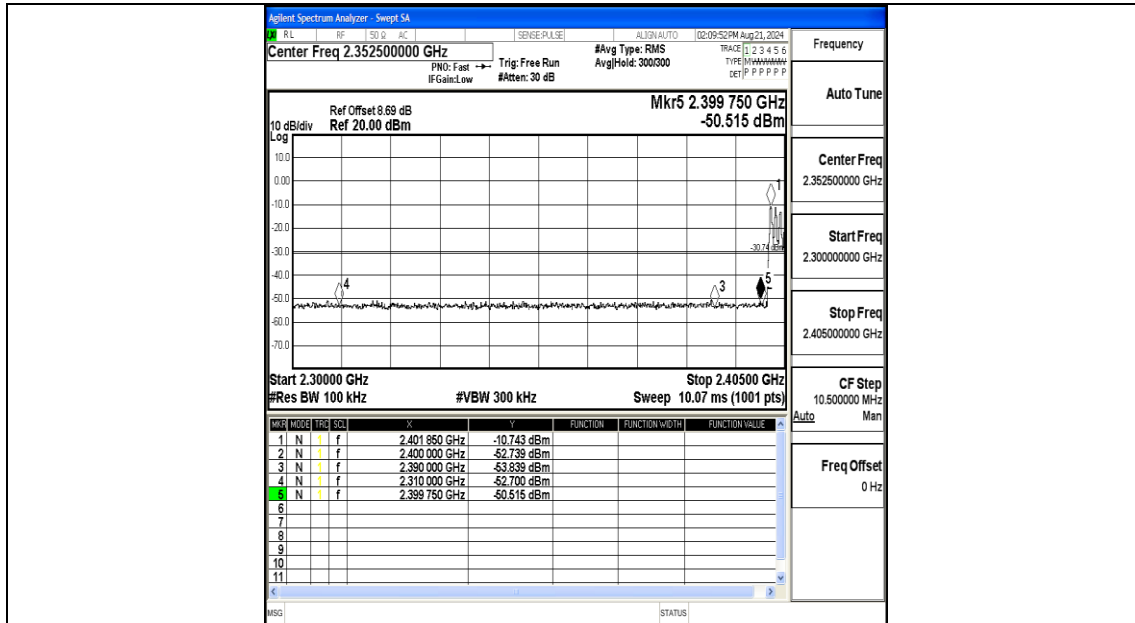
Appendix G: Band edge measurements

Test Result

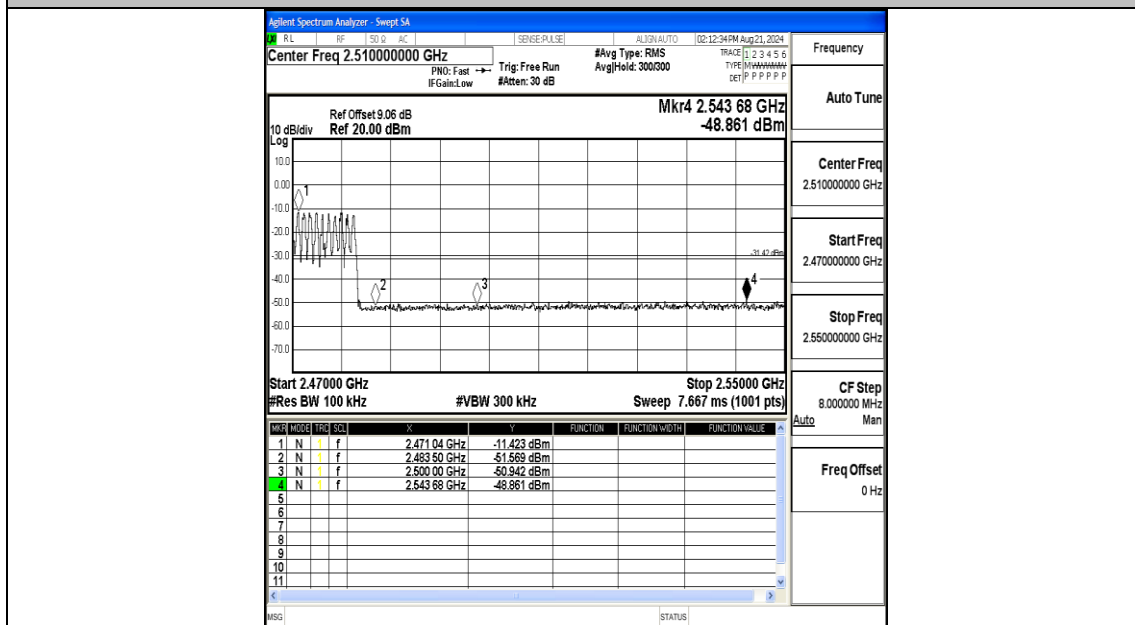
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-9.33	-49.43	≤-29.33	PASS
DH5	Ant1	High	2480	-11.11	-49.22	≤-31.11	PASS
DH5	Ant1	Low	Hop_2402	-10.74	-50.52	≤-30.74	PASS
DH5	Ant1	High	Hop_2480	-11.42	-48.86	≤-31.42	PASS
2DH5	Ant1	Low	2402	-10.05	-49.99	≤-30.05	PASS
2DH5	Ant1	High	2480	-10.85	-48.52	≤-30.85	PASS
2DH5	Ant1	Low	Hop_2402	-13.59	-50.58	≤-33.59	PASS
2DH5	Ant1	High	Hop_2480	-10.88	-49.04	≤-30.88	PASS
3DH5	Ant1	Low	2402	-9.56	-50.02	≤-29.56	PASS
3DH5	Ant1	High	2480	-10.97	-49.11	≤-30.97	PASS
3DH5	Ant1	Low	Hop_2402	-13.17	-50.77	≤-33.17	PASS
3DH5	Ant1	High	Hop_2480	-14.98	-48.23	≤-34.98	PASS

Test Graphs

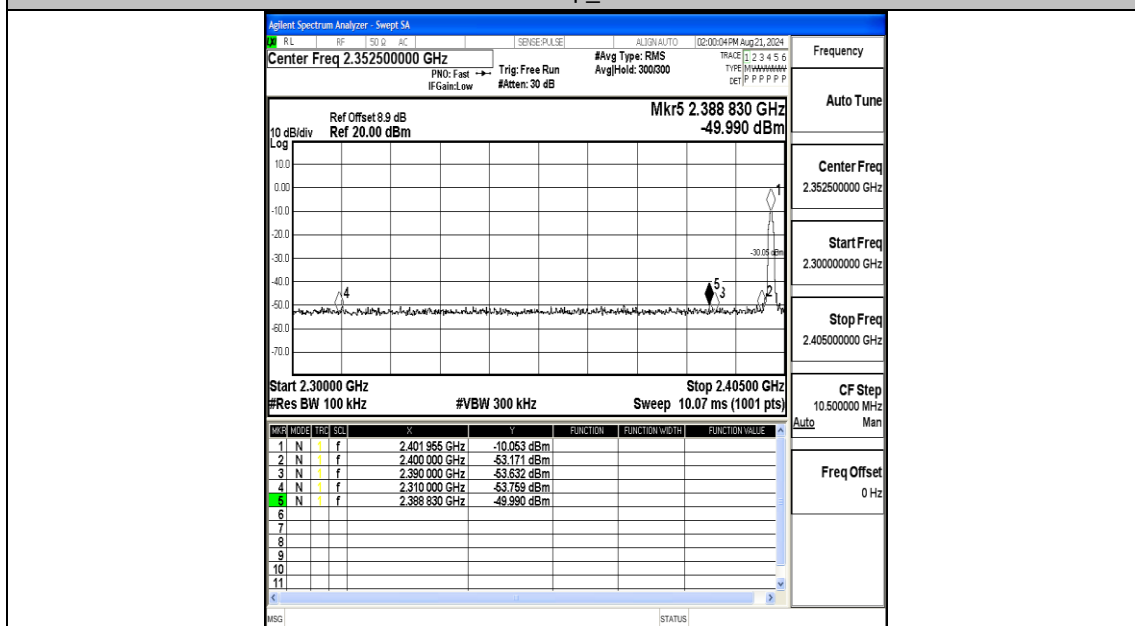




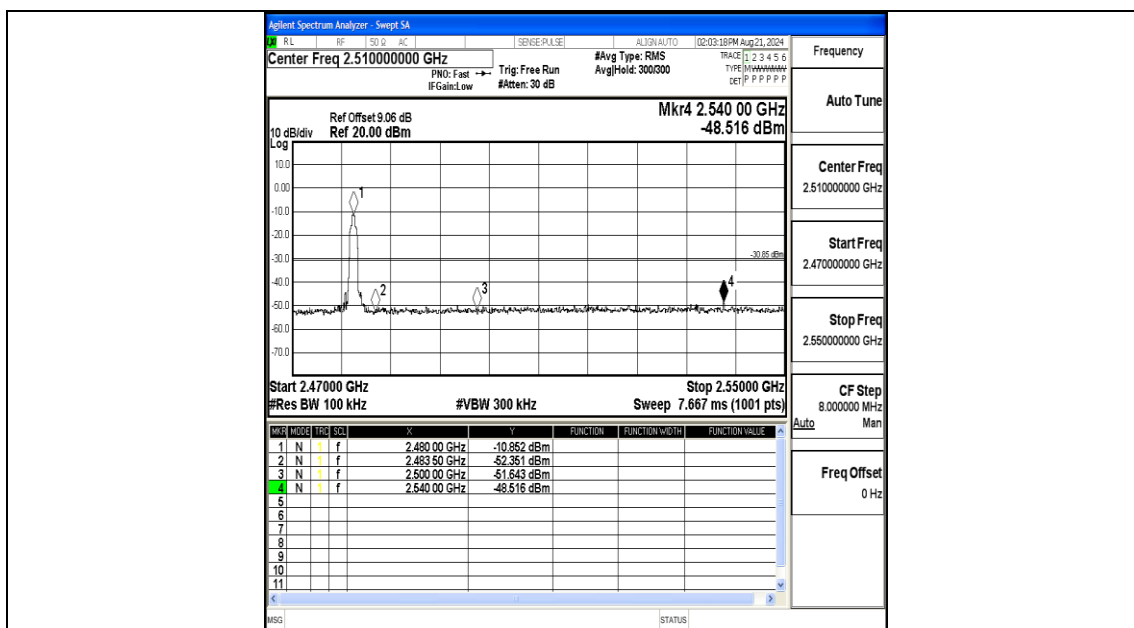
DH5-Ant1-Hop_2402-PASS



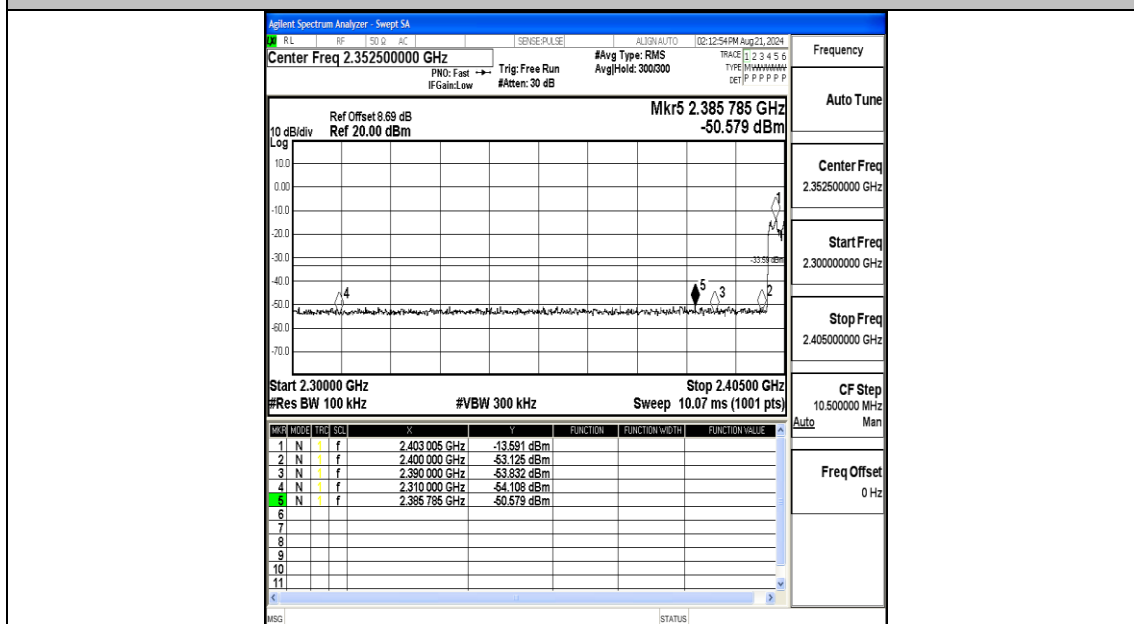
DH5-Ant1-Hop_2480-PASS



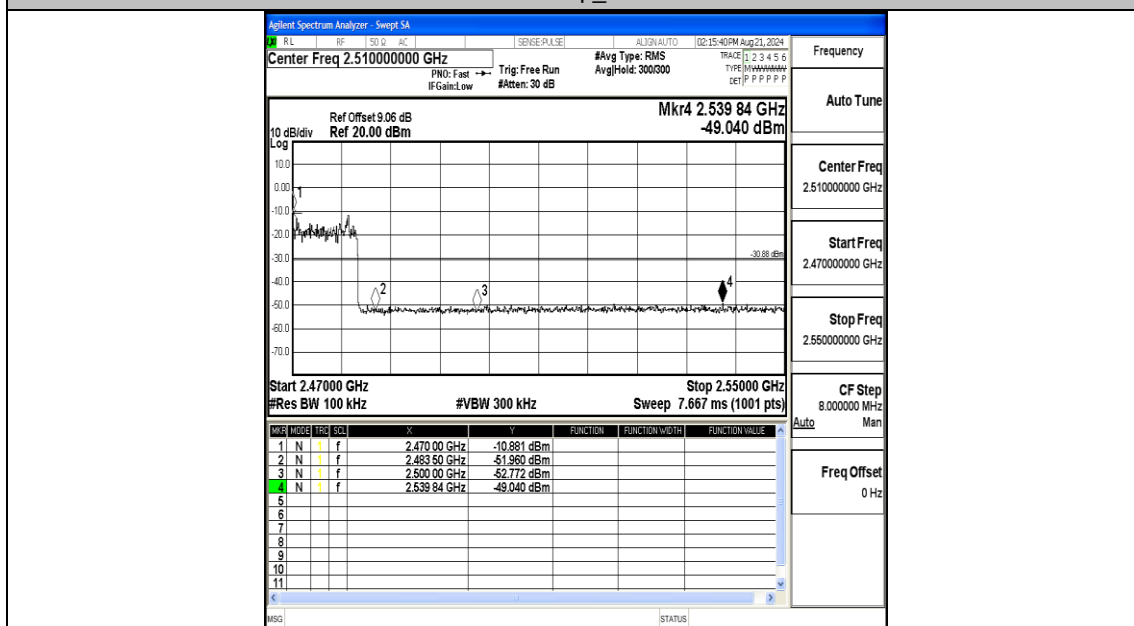
2DH5-Ant1-2402-PASS



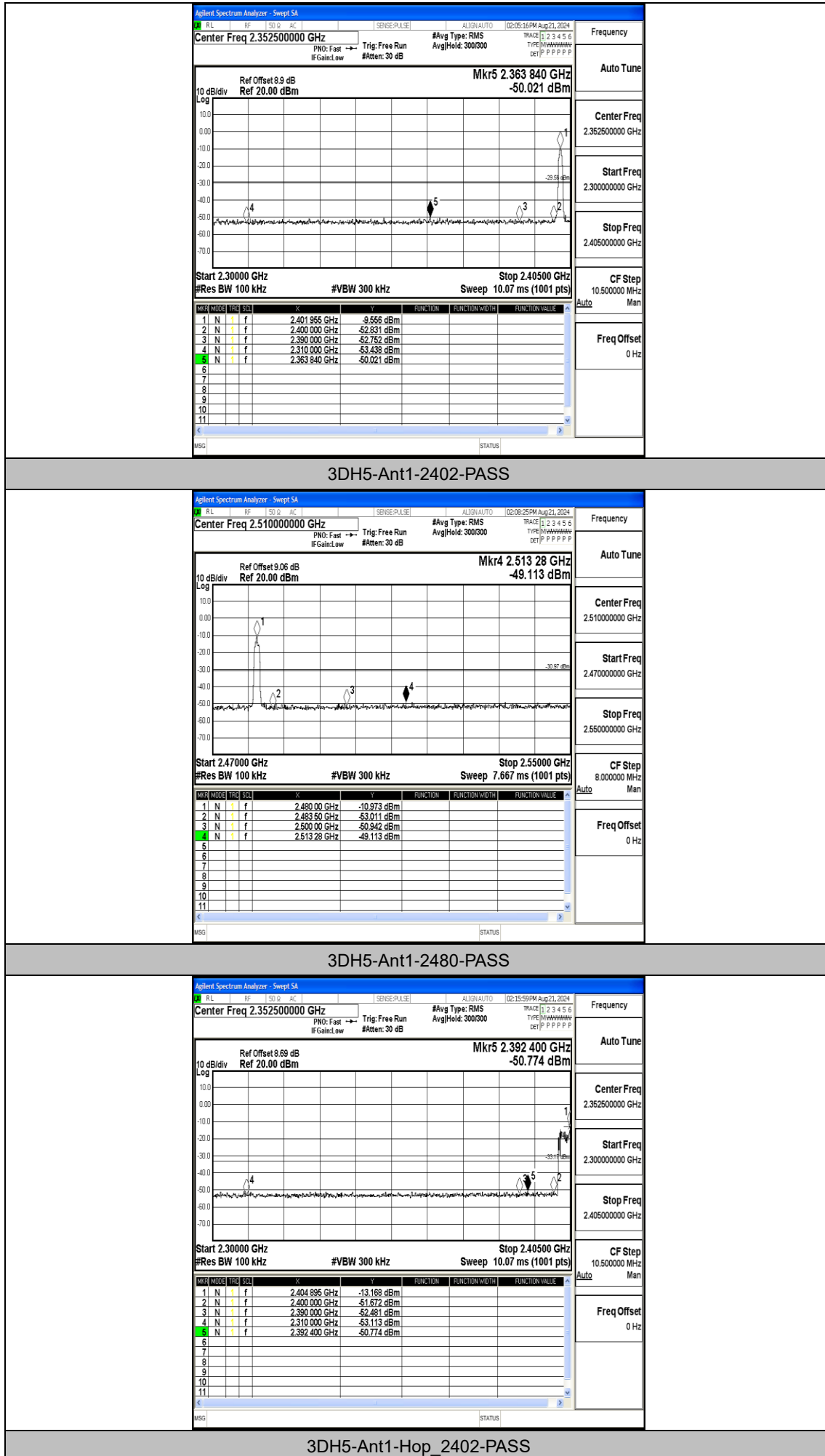
2DH5-Ant1-2480-PASS

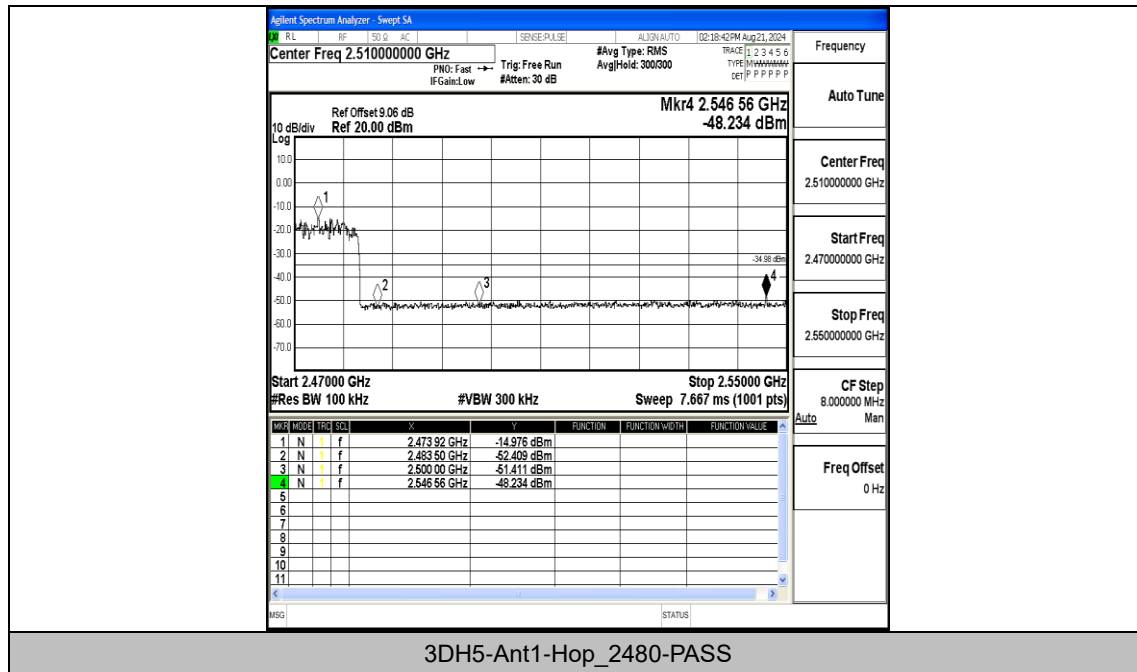


2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



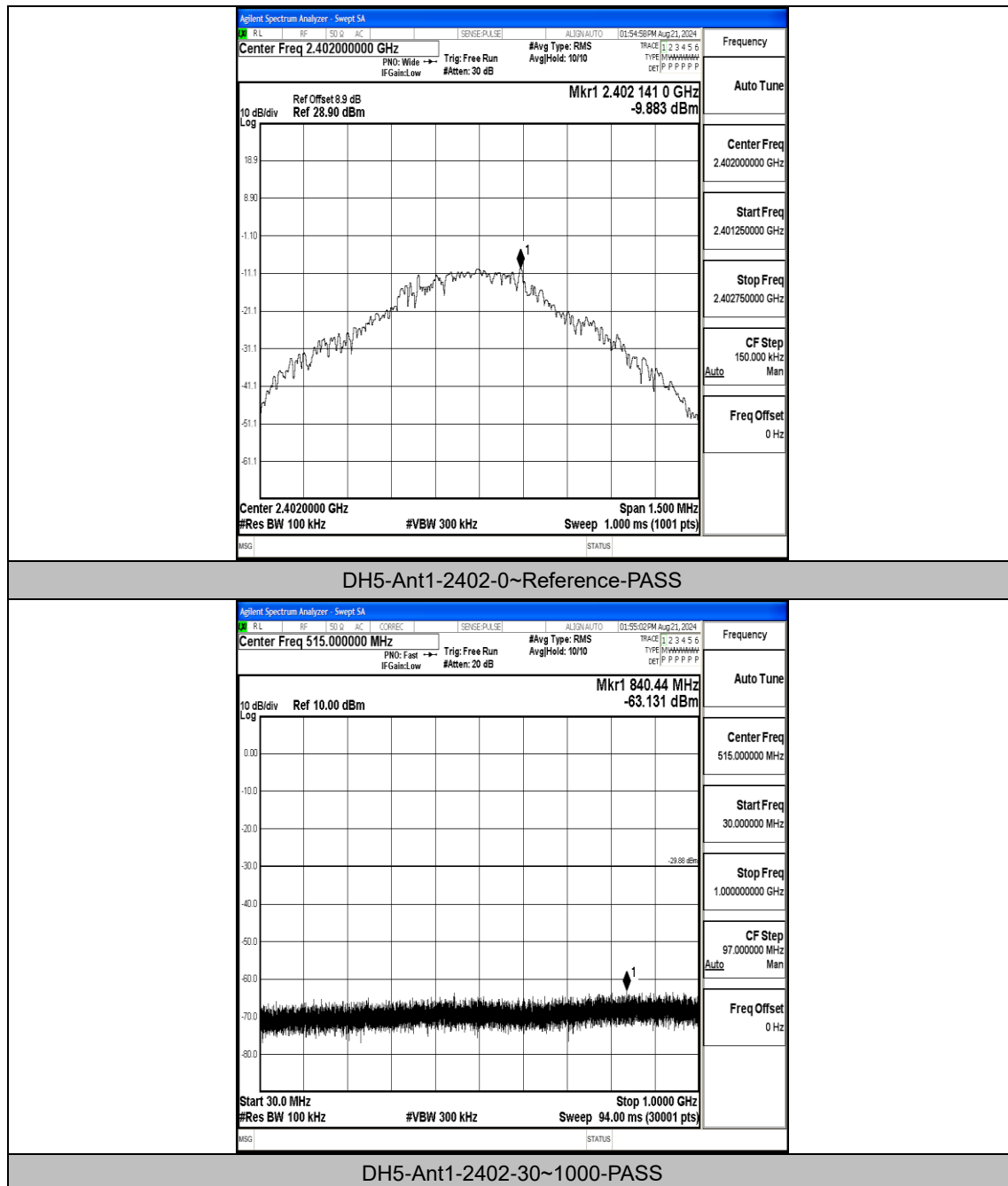


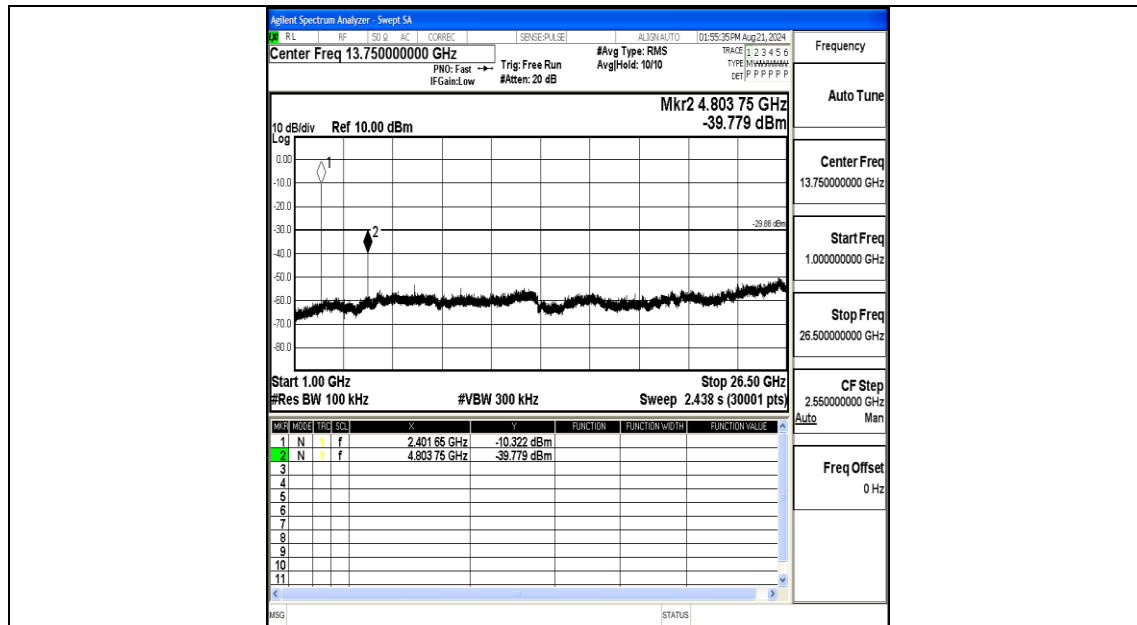
Appendix H: Conducted Spurious Emission

Test Result

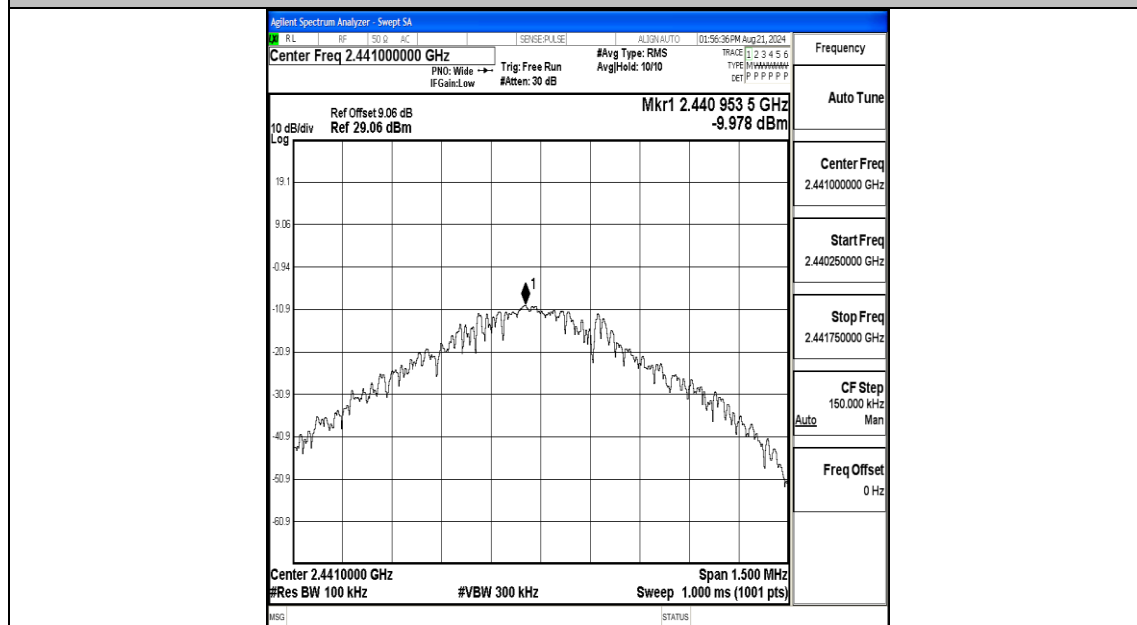
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-9.88	-9.88	---	PASS
DH5	Ant1	2402	30~1000	-9.88	-63.13	≤-29.88	PASS
DH5	Ant1	2402	1000~26500	-9.88	-39.78	≤-29.88	PASS
DH5	Ant1	2441	0~Reference	-9.98	-9.98	---	PASS
DH5	Ant1	2441	30~1000	-9.98	-62.65	≤-29.98	PASS
DH5	Ant1	2441	1000~26500	-9.98	-43.8	≤-29.98	PASS
DH5	Ant1	2480	0~Reference	-11.45	-11.45	---	PASS
DH5	Ant1	2480	30~1000	-11.45	-62.7	≤-31.45	PASS
DH5	Ant1	2480	1000~26500	-11.45	-45.52	≤-31.45	PASS
2DH5	Ant1	2402	0~Reference	-12.29	-12.29	---	PASS
2DH5	Ant1	2402	30~1000	-12.29	-62.27	≤-32.29	PASS
2DH5	Ant1	2402	1000~26500	-12.29	-42.01	≤-32.29	PASS
2DH5	Ant1	2441	0~Reference	-13.20	-13.20	---	PASS
2DH5	Ant1	2441	30~1000	-13.20	-61.93	≤-33.2	PASS
2DH5	Ant1	2441	1000~26500	-13.20	-48.06	≤-33.2	PASS
2DH5	Ant1	2480	0~Reference	-14.51	-14.51	---	PASS
2DH5	Ant1	2480	30~1000	-14.51	-61.9	≤-34.51	PASS
2DH5	Ant1	2480	1000~26500	-14.51	-49.14	≤-34.51	PASS
3DH5	Ant1	2402	0~Reference	-9.97	-9.97	---	PASS
3DH5	Ant1	2402	30~1000	-9.97	-62.63	≤-29.97	PASS
3DH5	Ant1	2402	1000~26500	-9.97	-42.32	≤-29.97	PASS
3DH5	Ant1	2441	0~Reference	-13.74	-13.74	---	PASS
3DH5	Ant1	2441	30~1000	-13.74	-62.85	≤-33.74	PASS
3DH5	Ant1	2441	1000~26500	-13.74	-46.34	≤-33.74	PASS
3DH5	Ant1	2480	0~Reference	-13.75	-13.75	---	PASS
3DH5	Ant1	2480	30~1000	-13.75	-62.51	≤-33.75	PASS
3DH5	Ant1	2480	1000~26500	-13.75	-43.85	≤-33.75	PASS

Test Graphs

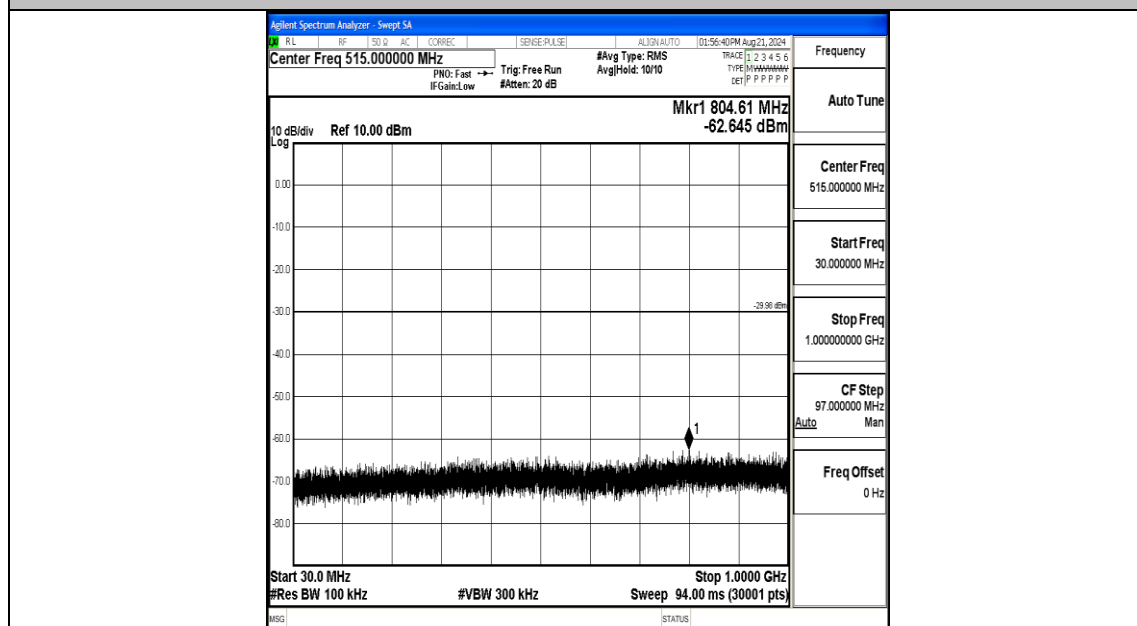




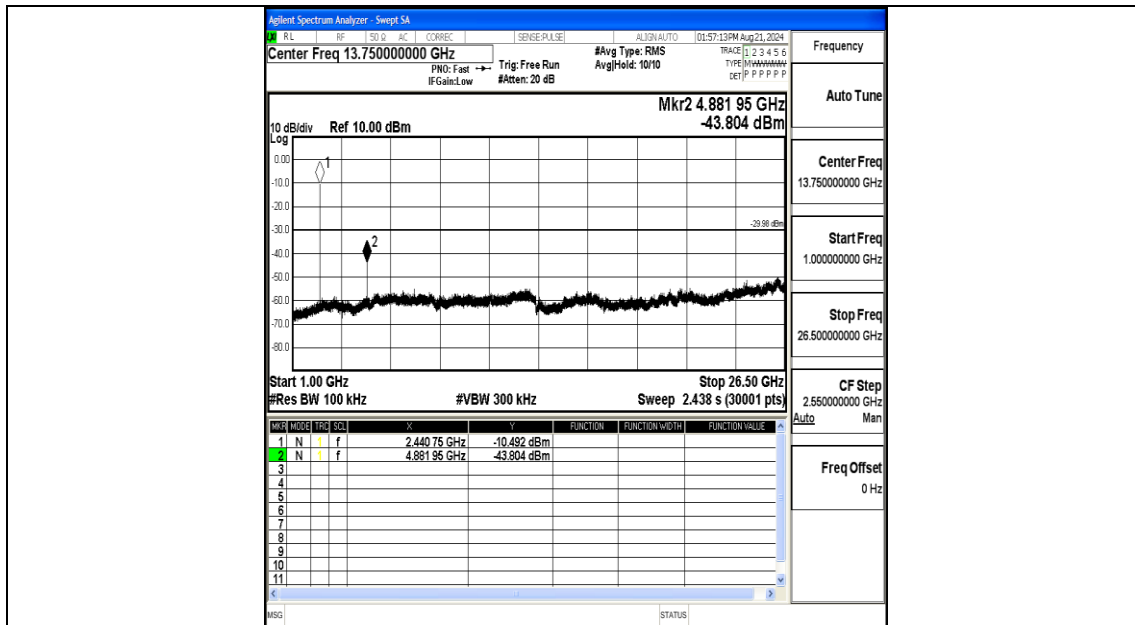
DH5-Ant1-2402-1000~26500-PASS



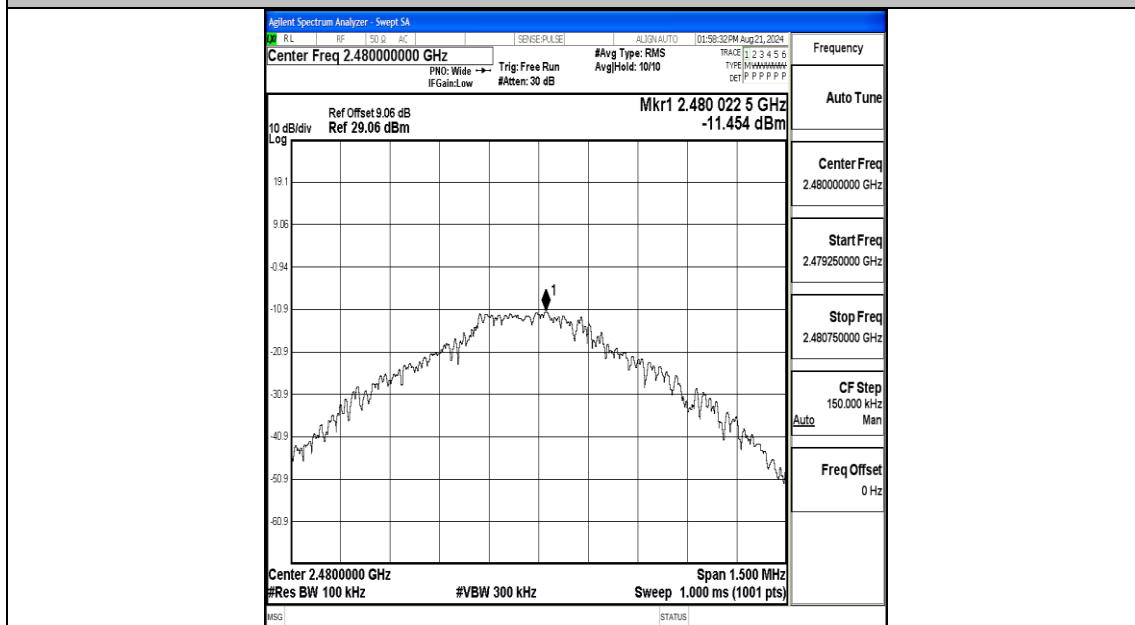
DH5-Ant1-2441-0~Reference-PASS



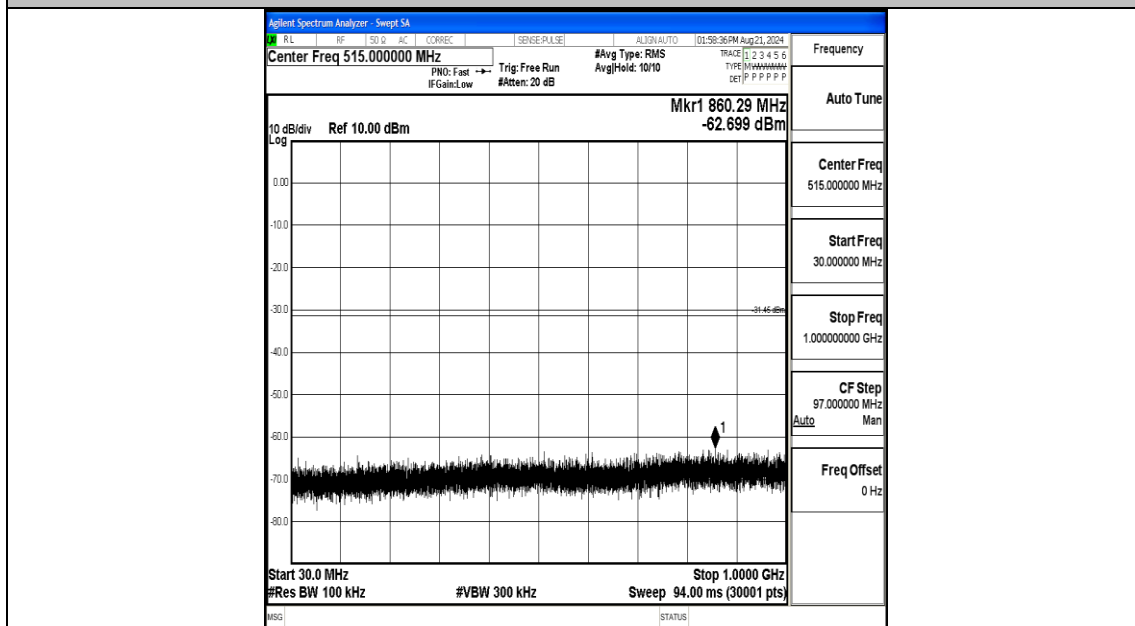
DH5-Ant1-2441-30~1000-PASS



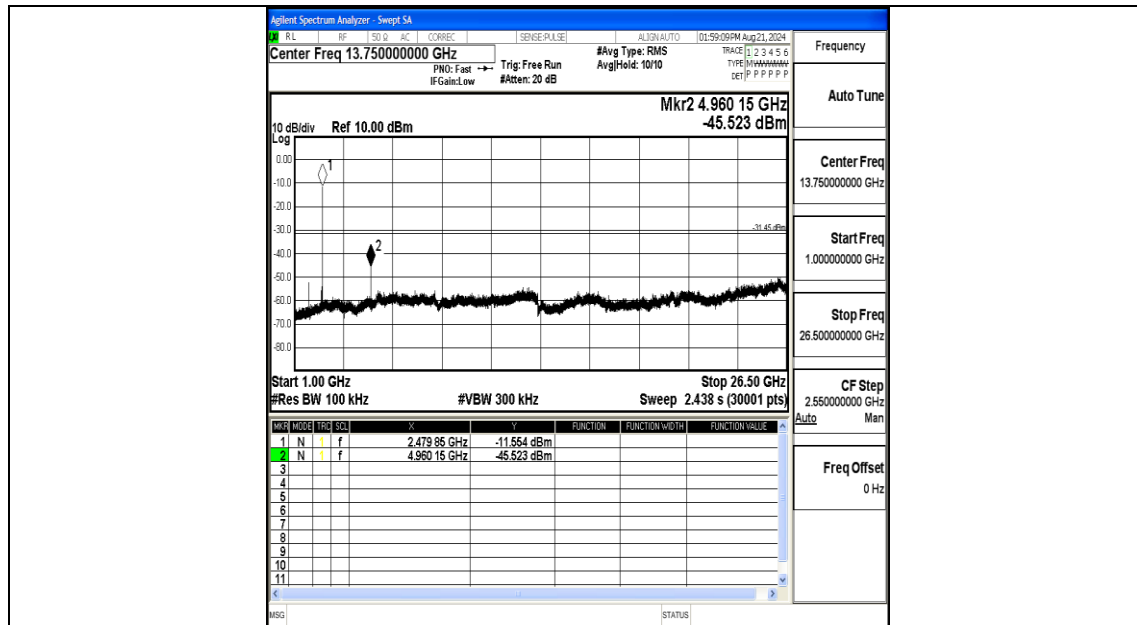
DH5-Ant1-2441-1000~26500-PASS



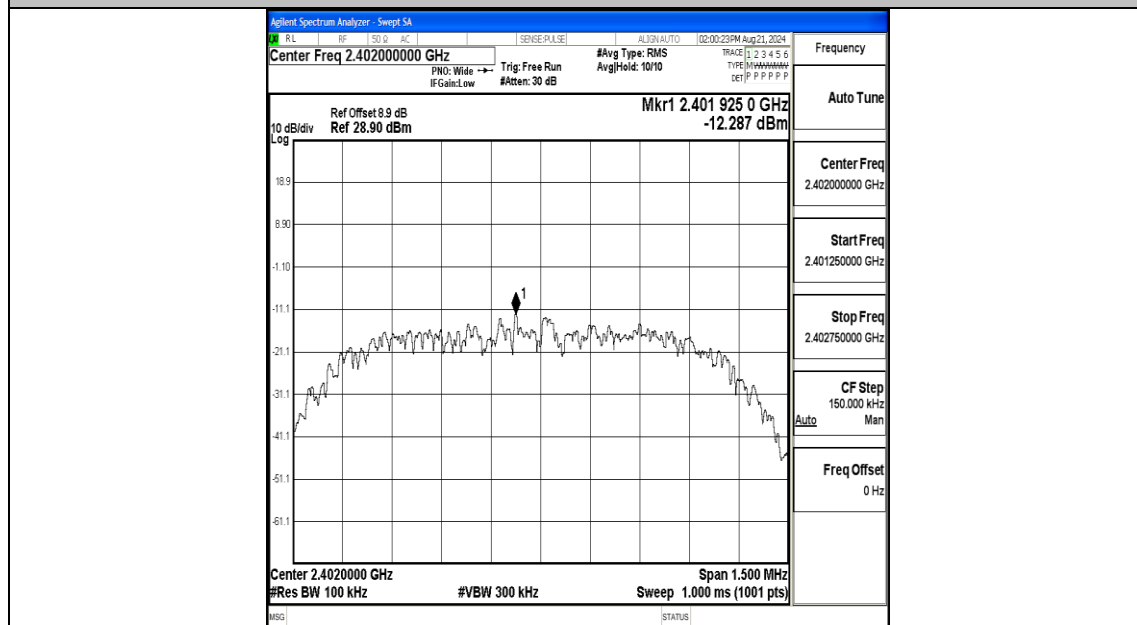
DH5-Ant1-2480-0~Reference-PASS



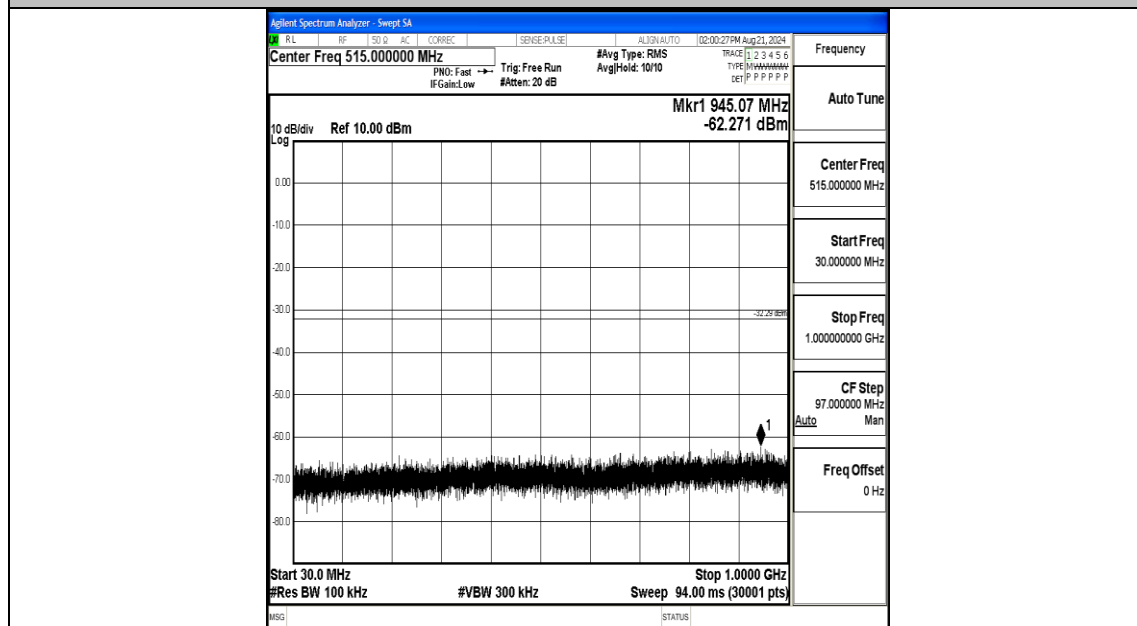
DH5-Ant1-2480-30~1000-PASS



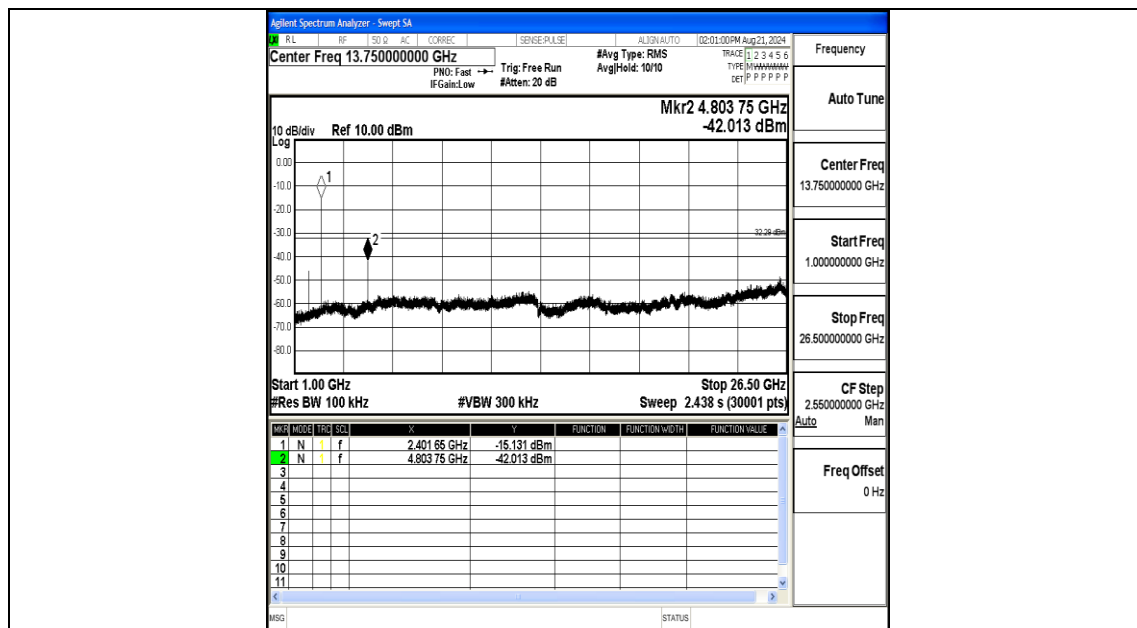
DH5-Ant1-2480-1000~26500-PASS



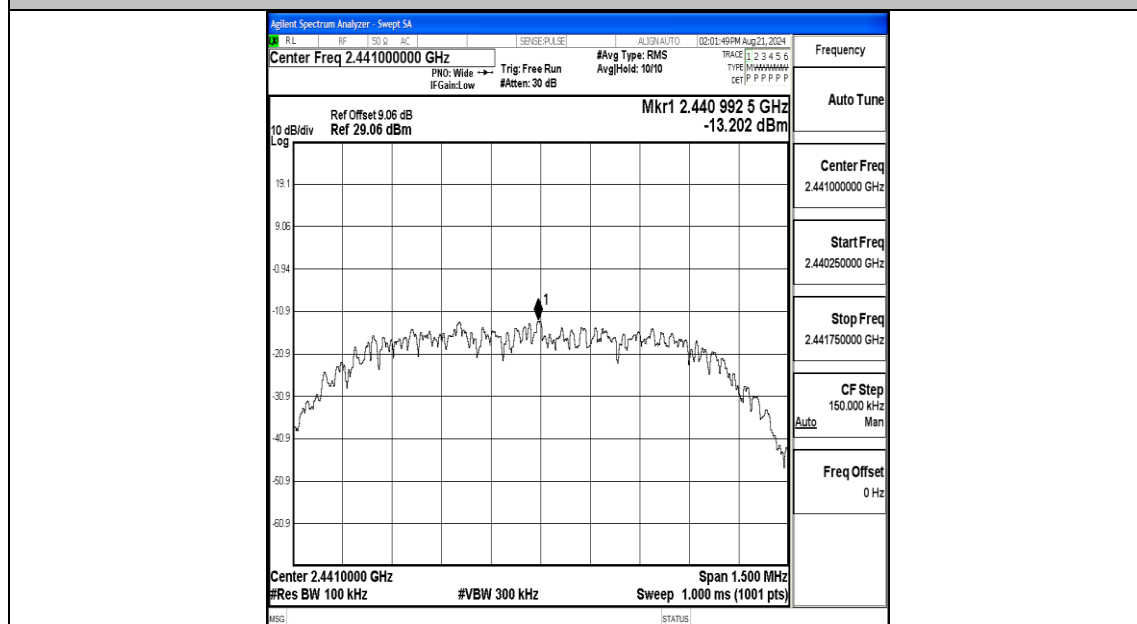
2DH5-Ant1-2402-0~Reference-PASS



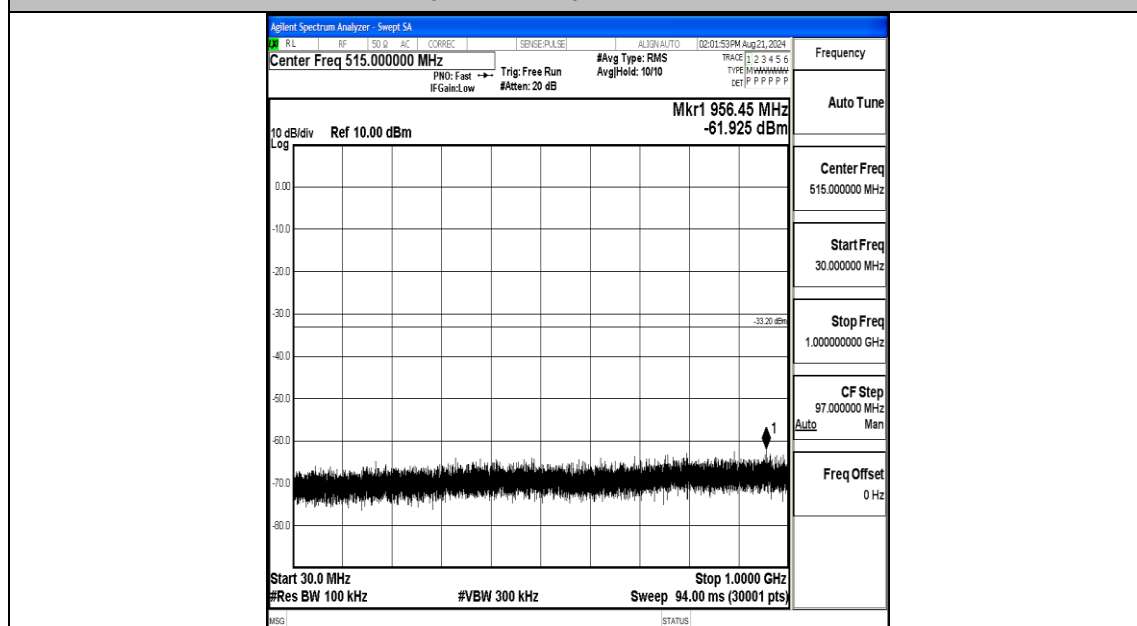
2DH5-Ant1-2402-30~1000-PASS



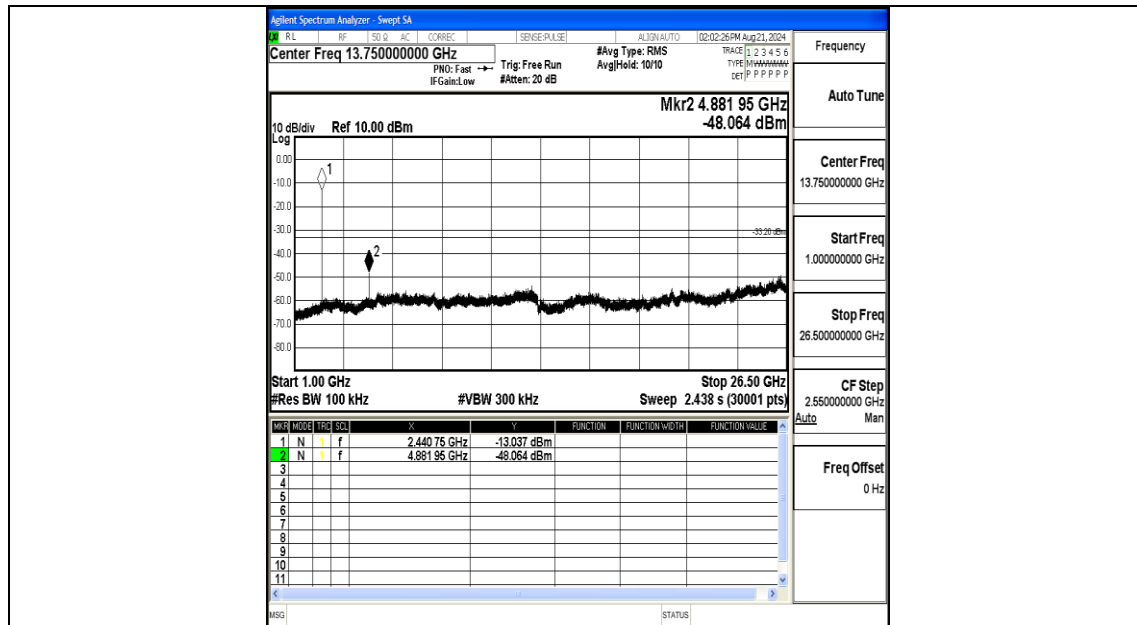
2DH5-Ant1-2402-1000~26500-PASS



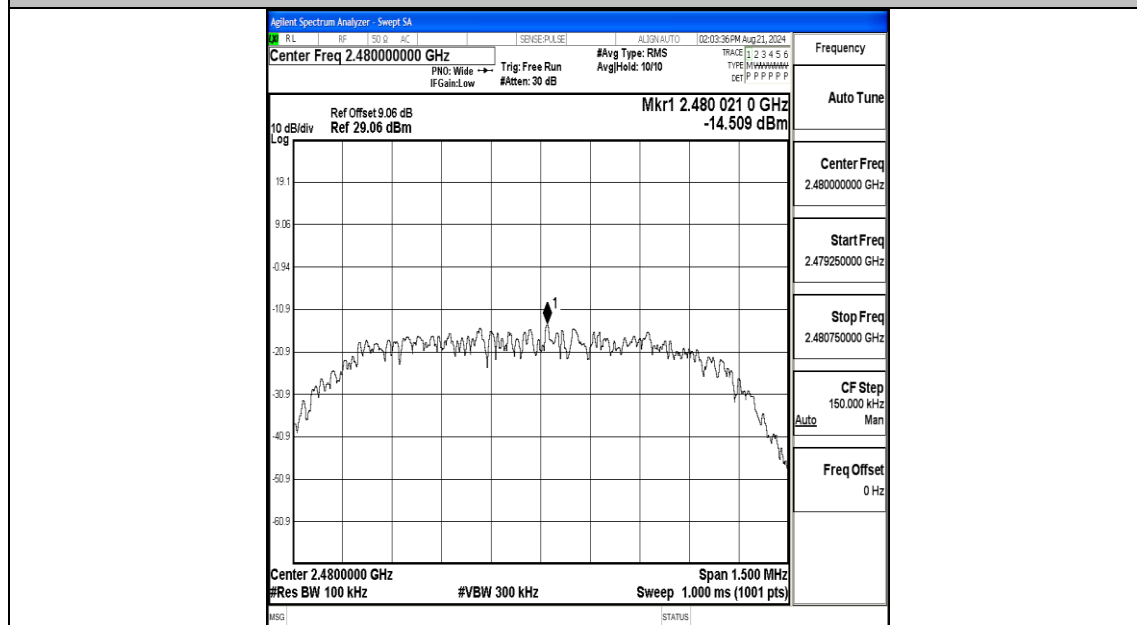
2DH5-Ant1-2441-0~Reference-PASS



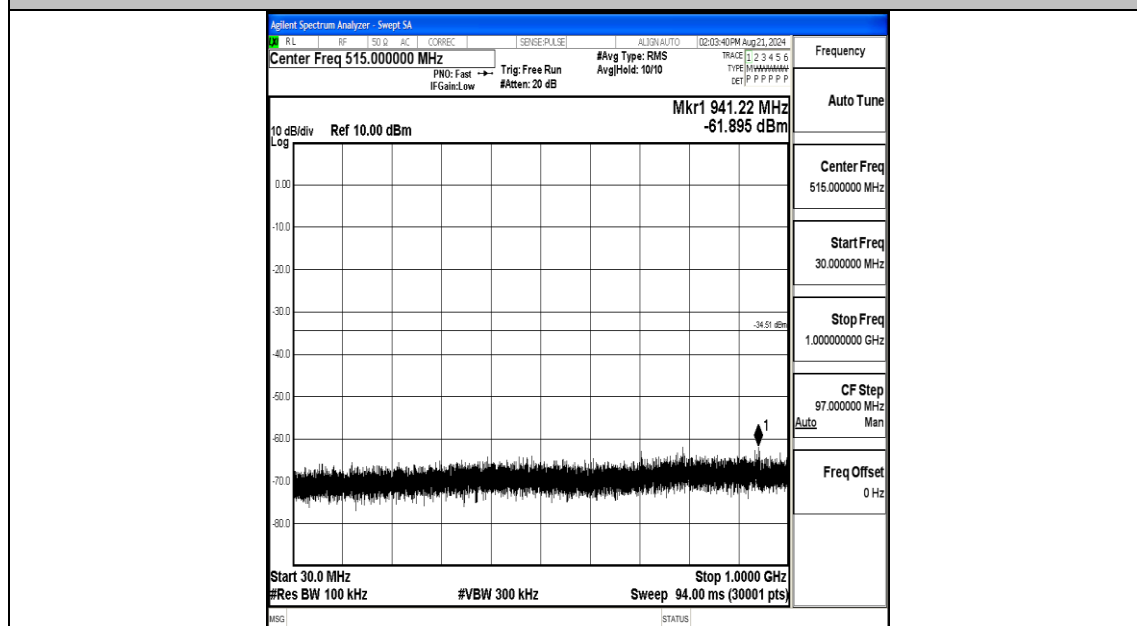
2DH5-Ant1-2441-30~1000-PASS



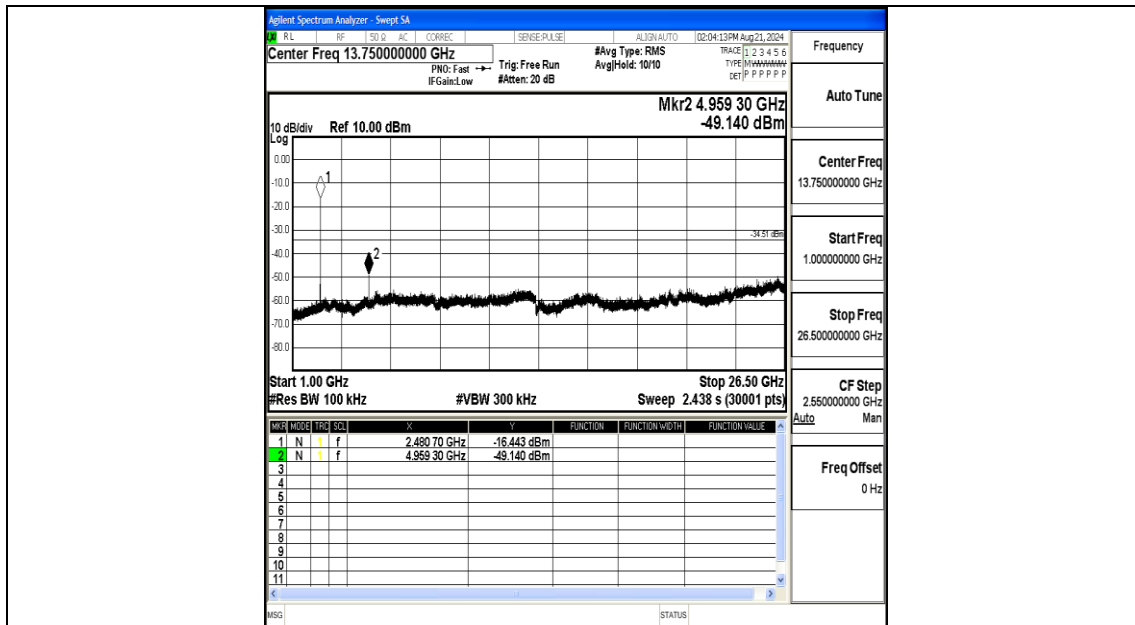
2DH5-Ant1-2441-1000~26500-PASS



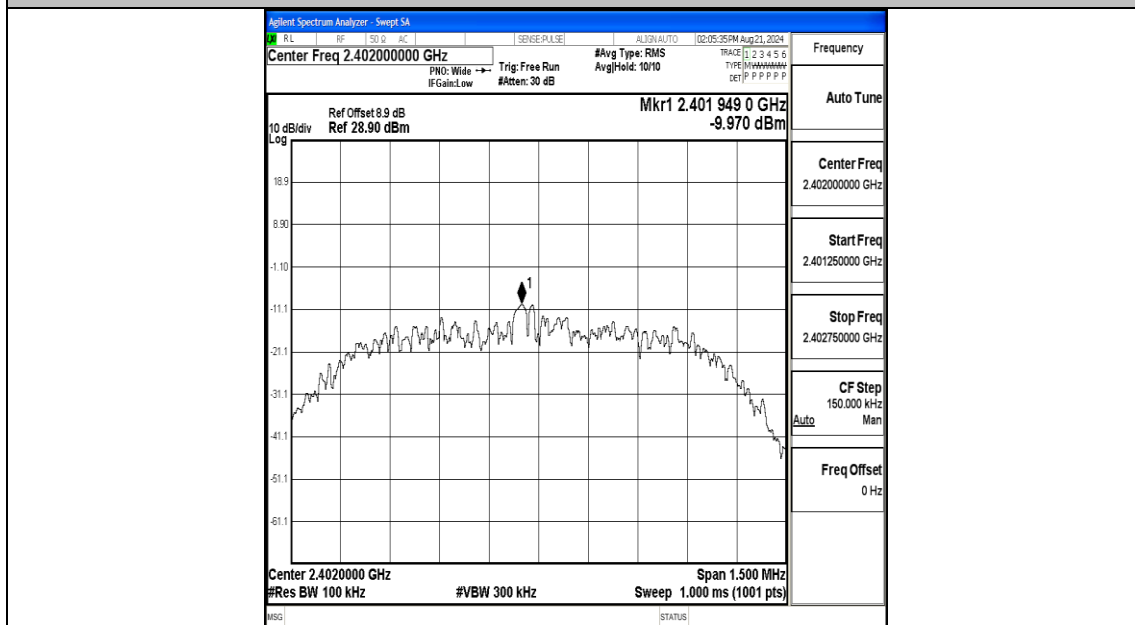
2DH5-Ant1-2480-0~Reference-PASS



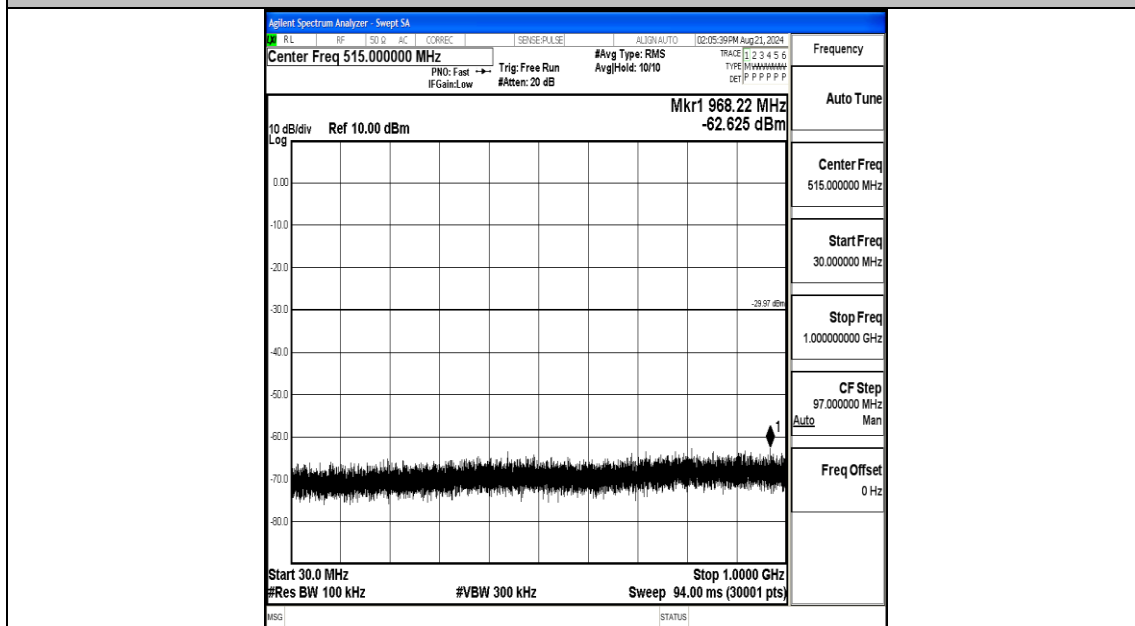
2DH5-Ant1-2480-30~1000-PASS



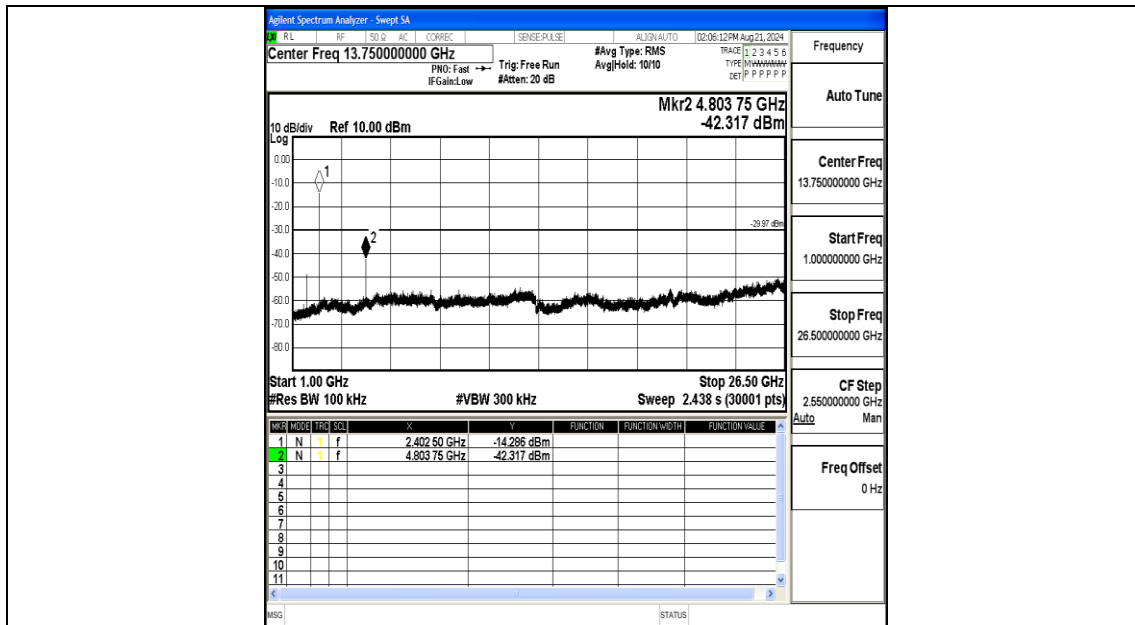
2DH5-Ant1-2480-1000~26500-PASS



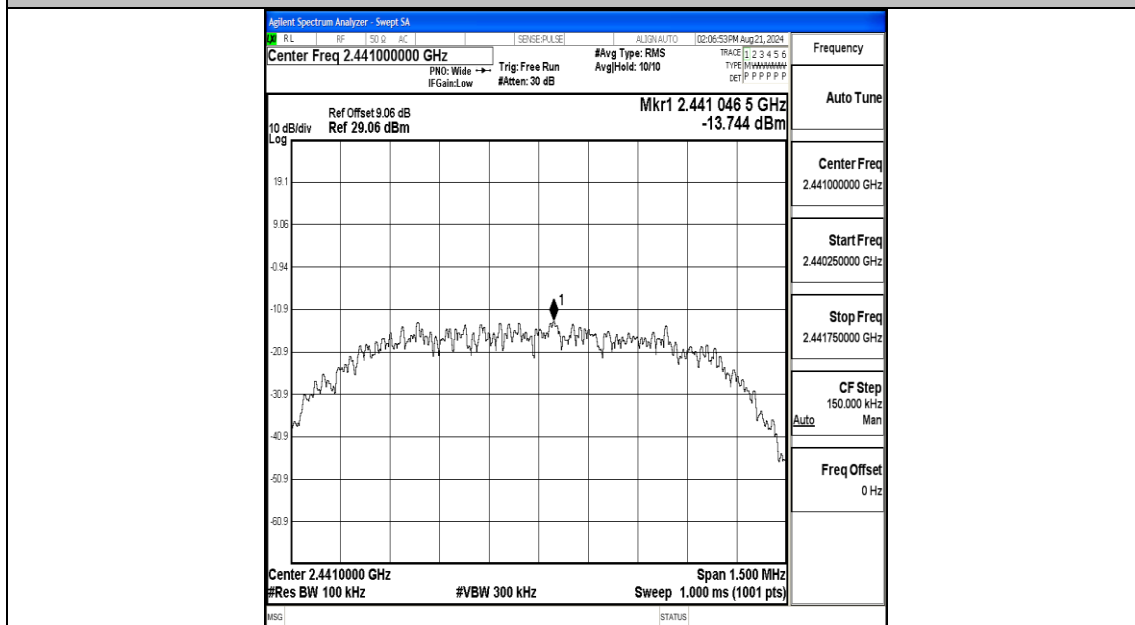
3DH5-Ant1-2402-0~Reference-PASS



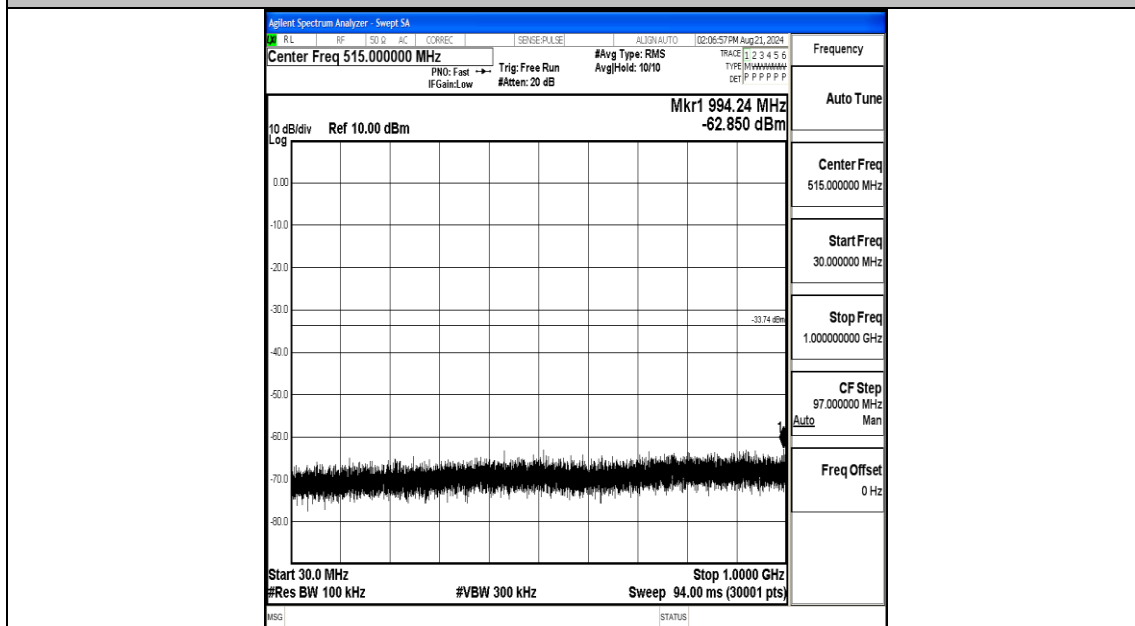
3DH5-Ant1-2402-30~1000-PASS



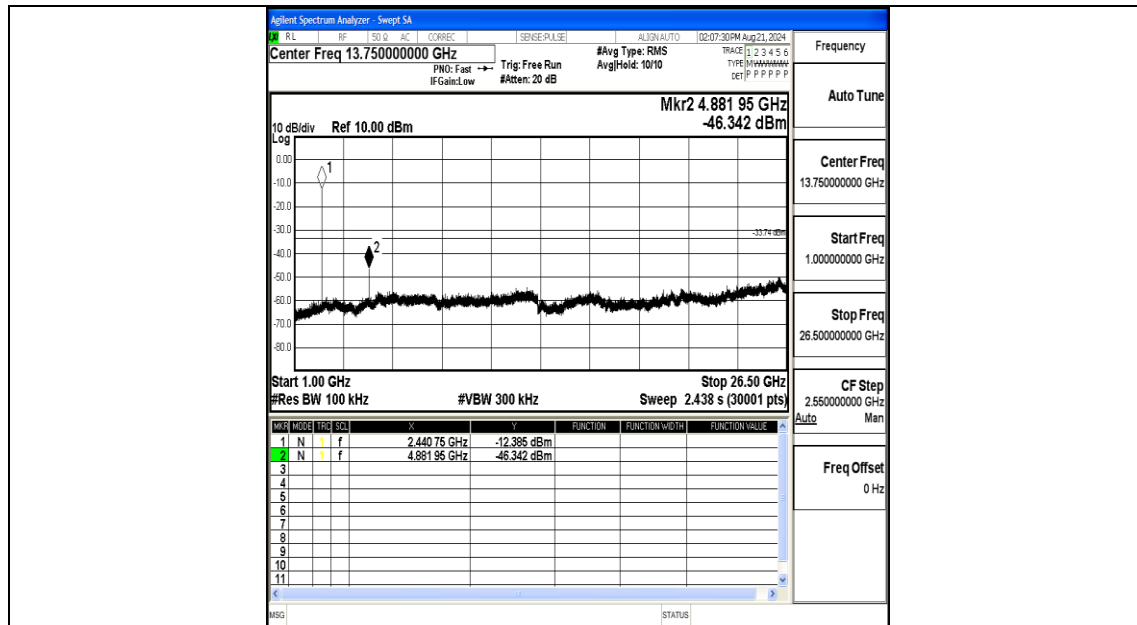
3DH5-Ant1-2402-1000~26500-PASS



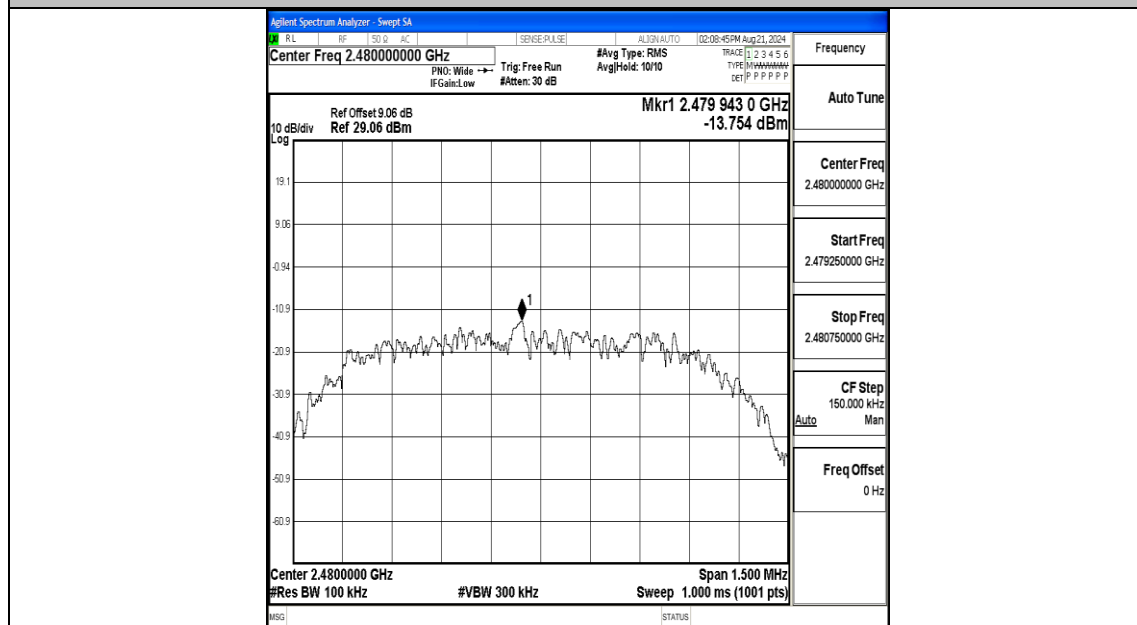
3DH5-Ant1-2441-0~Reference-PASS



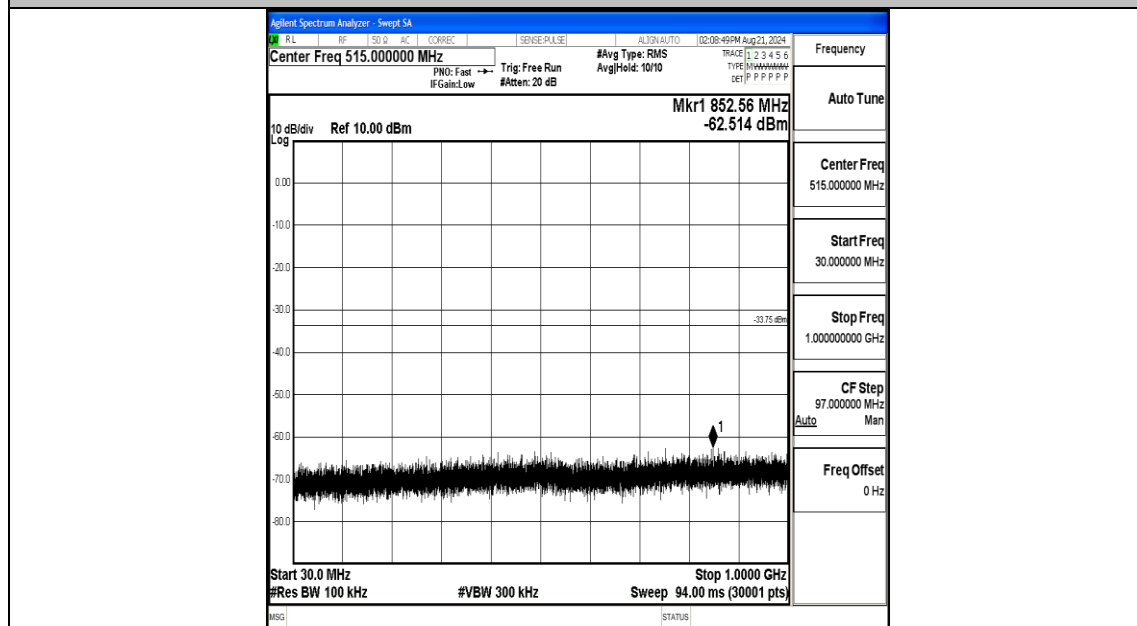
3DH5-Ant1-2441-30~1000-PASS



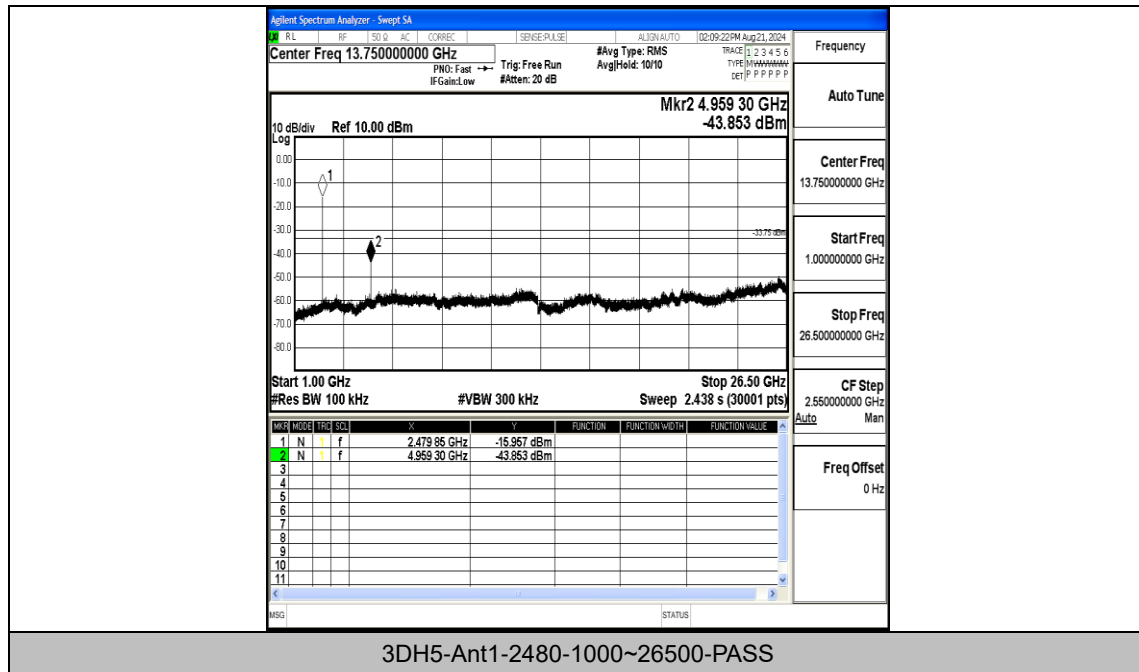
3DH5-Ant1-2441-1000~26500-PASS



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



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



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.90	3.74	77.54	1.10
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.91	3.75	77.60	1.10
2DH5	Ant1	2480	2.92	3.75	77.87	1.09
3DH5	Ant1	2402	2.92	3.76	77.66	1.10
3DH5	Ant1	2441	2.91	3.75	77.60	1.10
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

Test Graphs



