

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

Product Name: Smart Watch



Test Model: C1 PROS

FCC ID: 2AE8V-C1PROS

Environmental Conditions

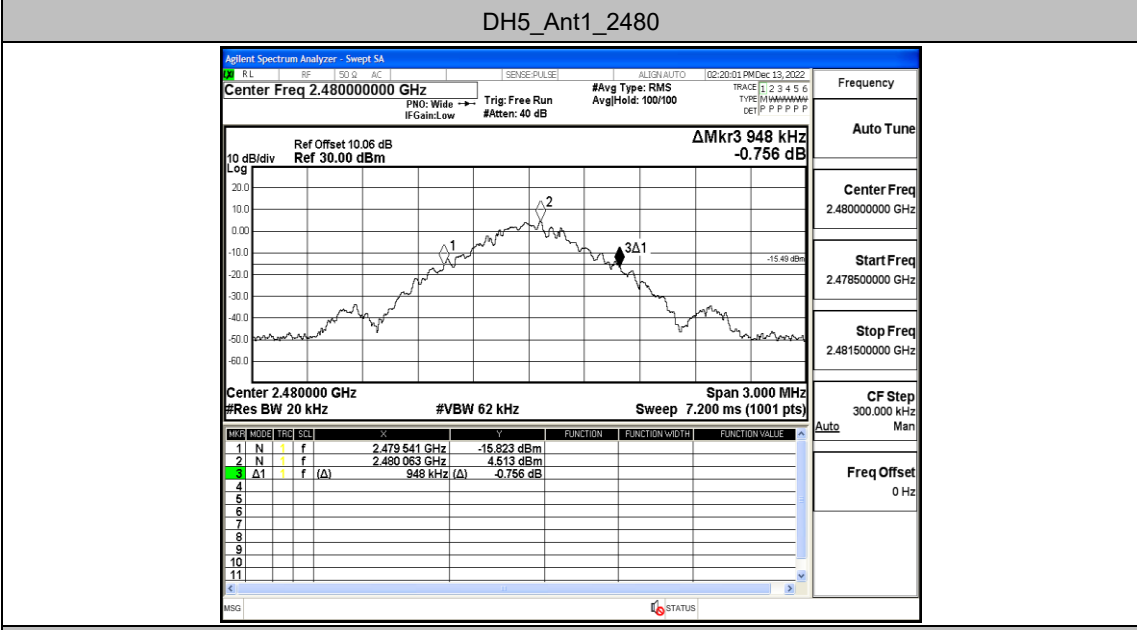
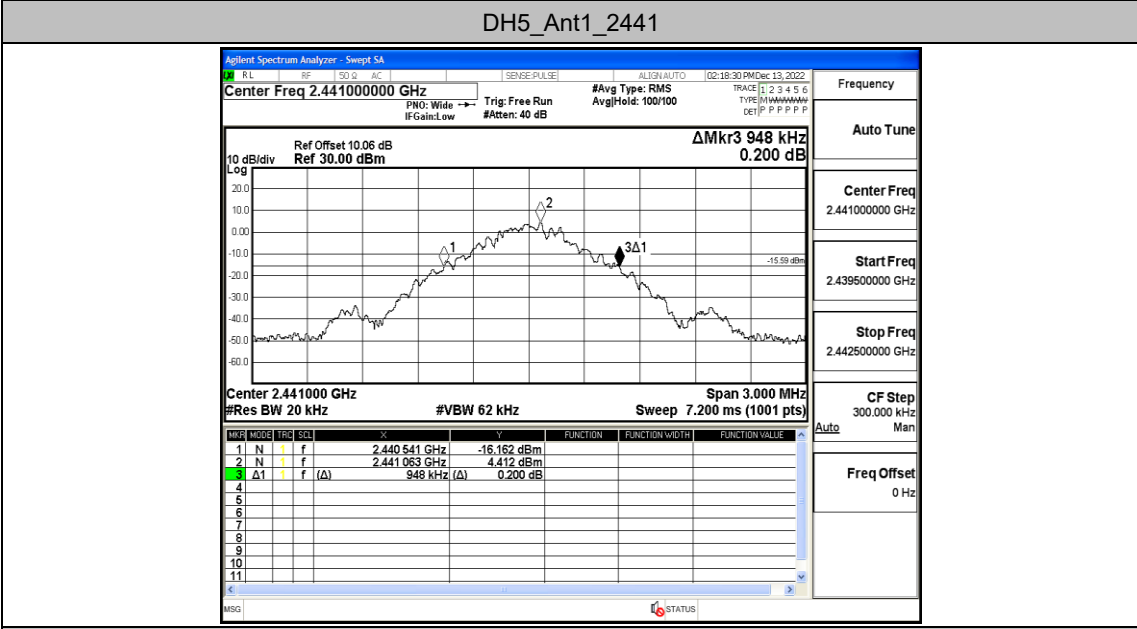
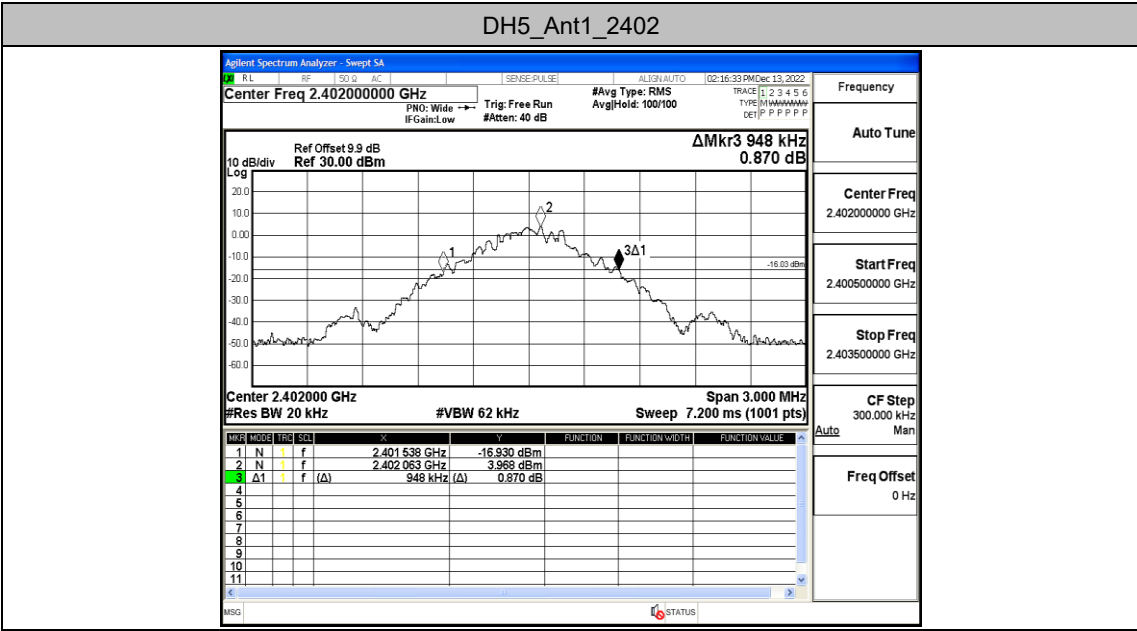
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

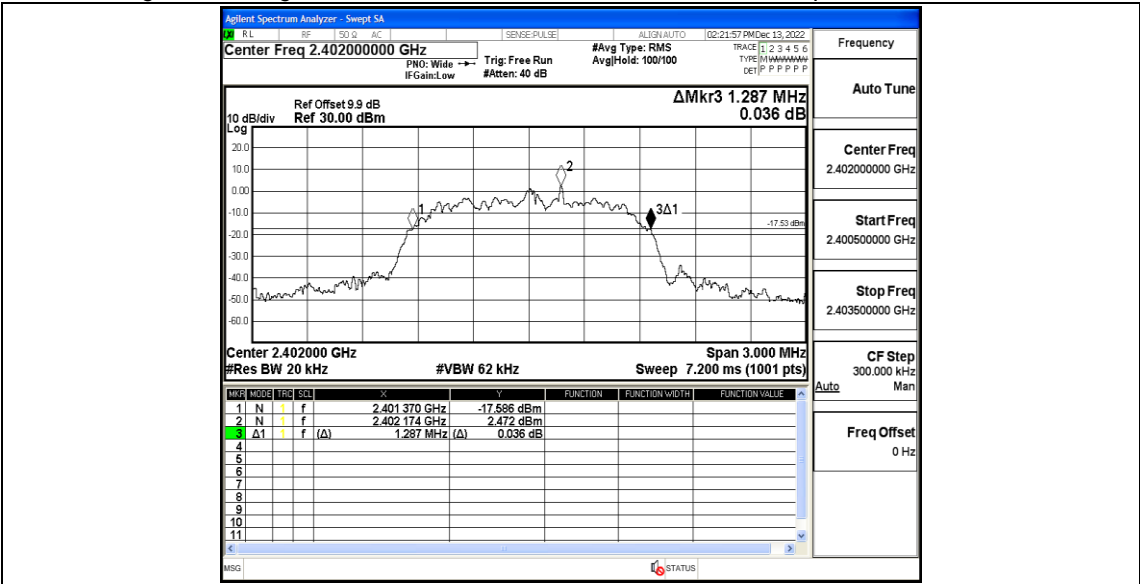
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.538	2402.486	---	---
		2441	0.948	2440.541	2441.489	---	---
		2480	0.948	2479.541	2480.489	---	---
2DH5	Ant1	2402	1.287	2401.370	2402.657	---	---
		2441	1.260	2440.376	2441.636	---	---
		2480	1.320	2479.343	2480.663	---	---
3DH5	Ant1	2402	1.308	2401.349	2402.657	---	---
		2441	1.302	2440.355	2441.657	---	---
		2480	1.281	2479.364	2480.645	---	---

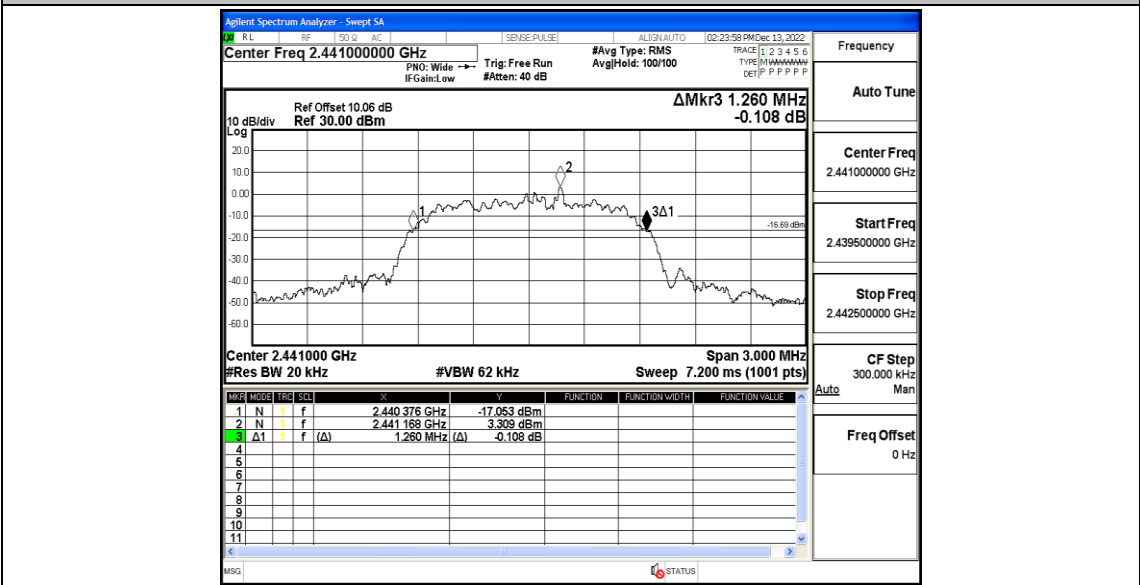
Test Graphs



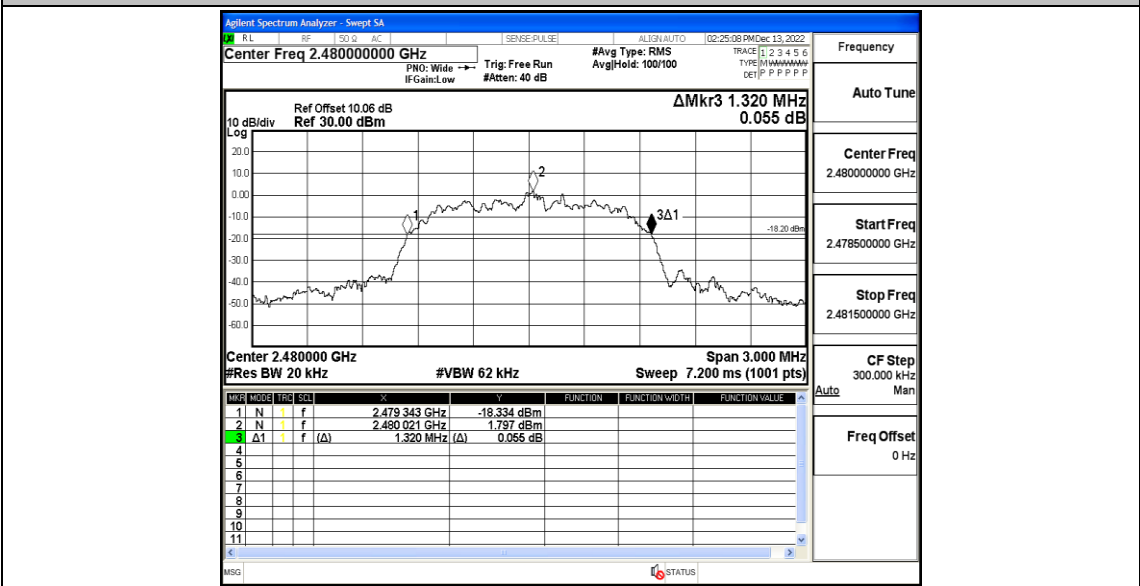
2DH5_Ant1_2402



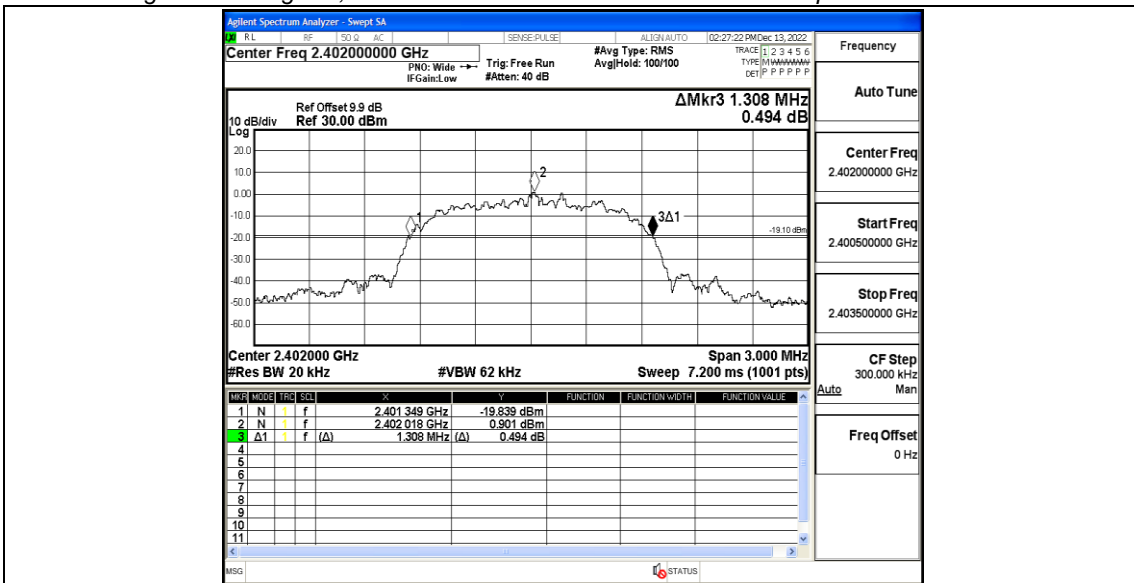
2DH5_Ant1_2441



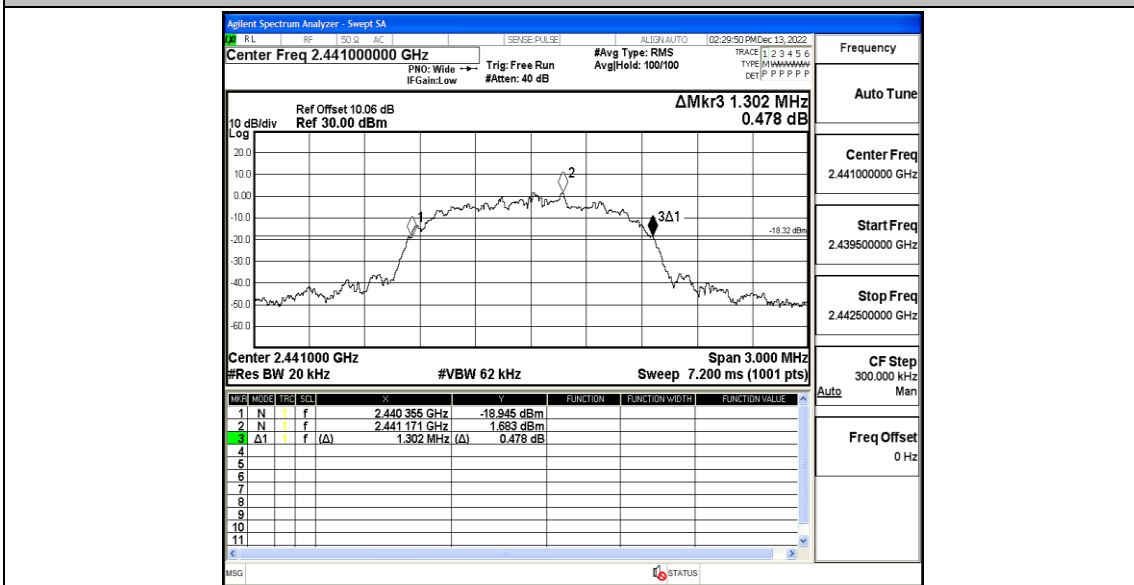
2DH5_Ant1_2480



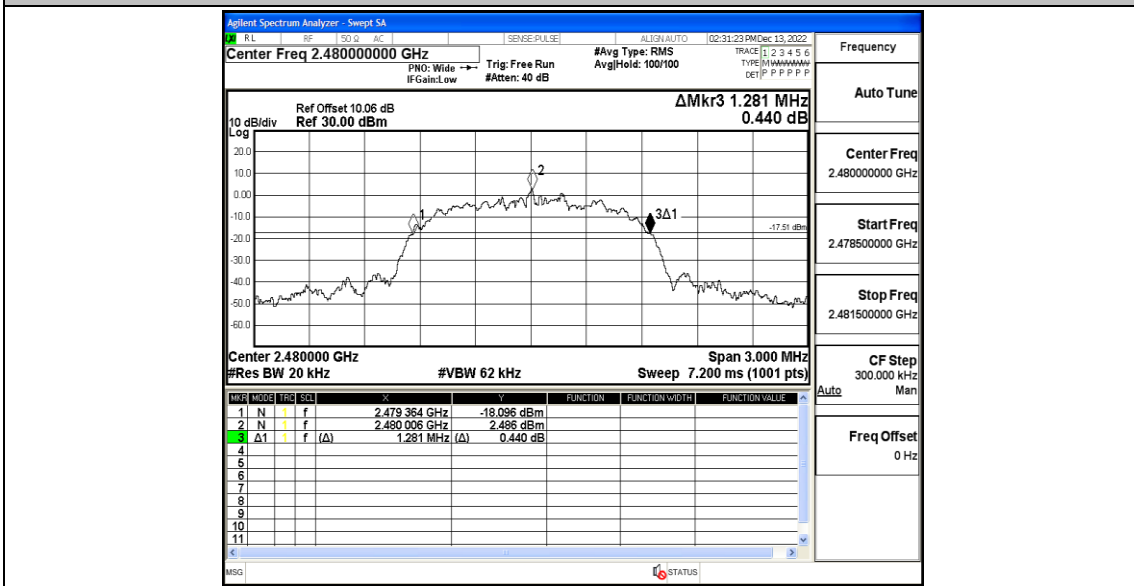
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

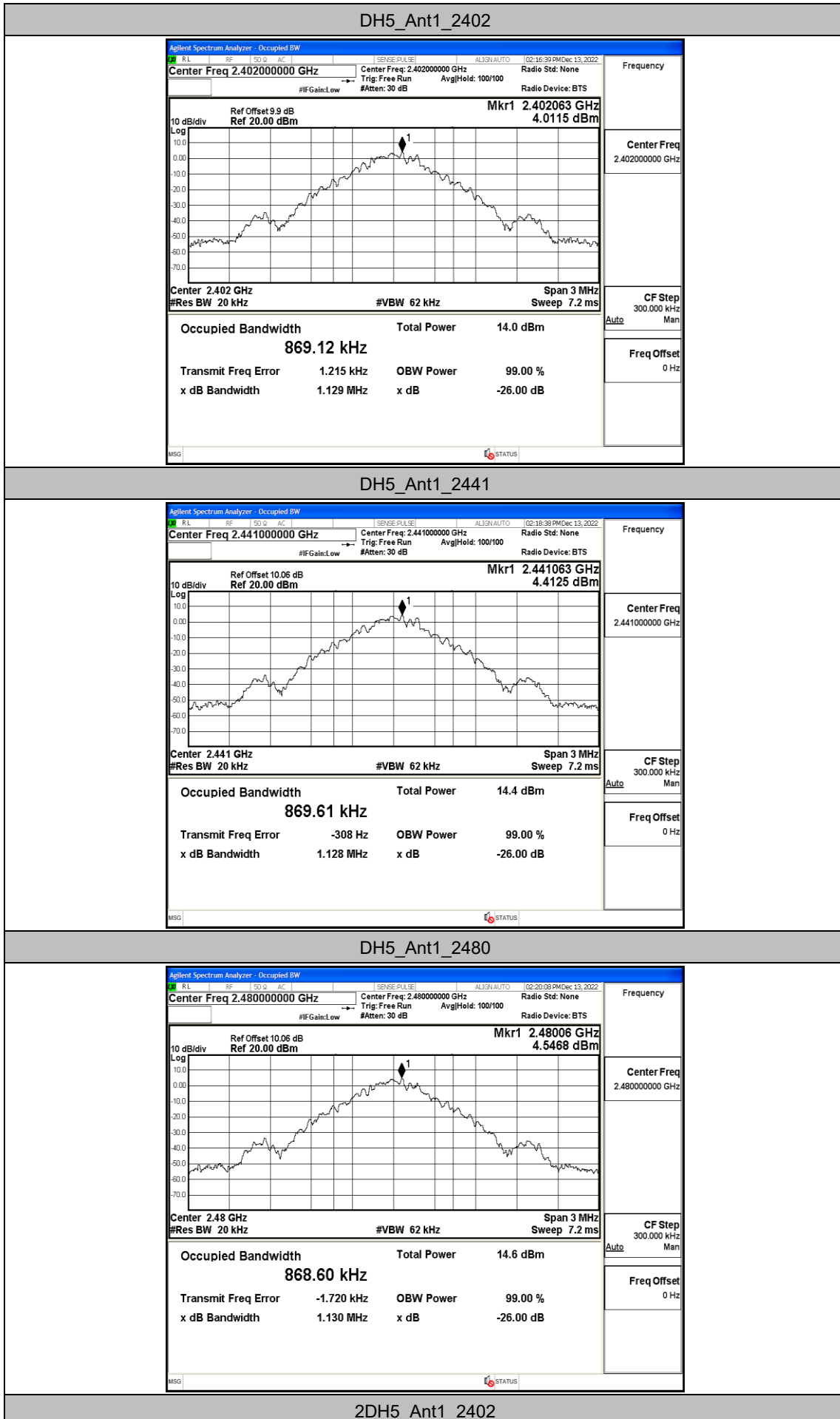


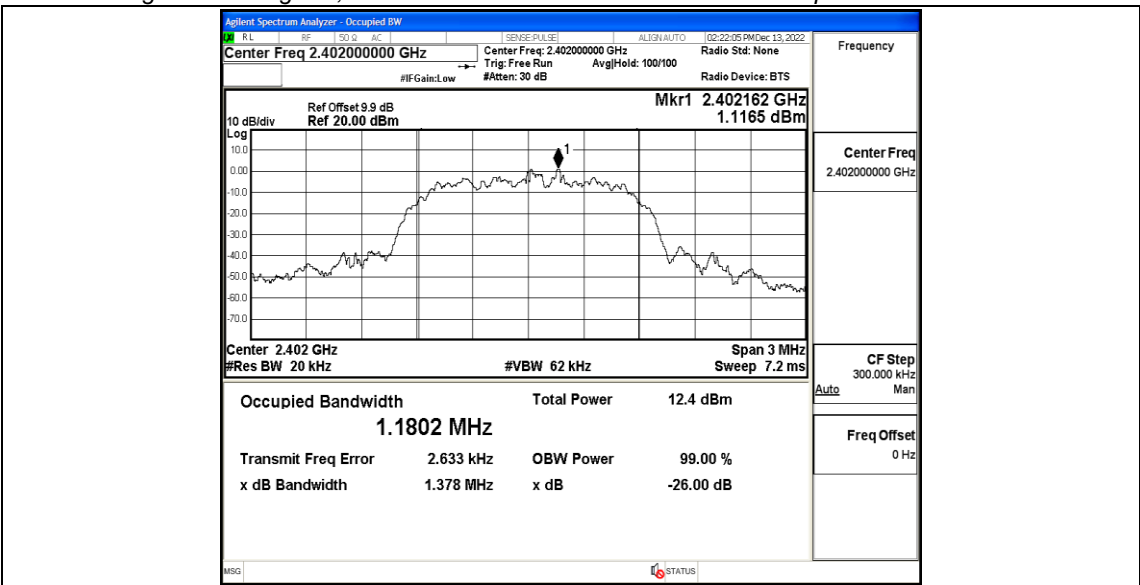
Appendix B: Occupied Channel Bandwidth

Test Result

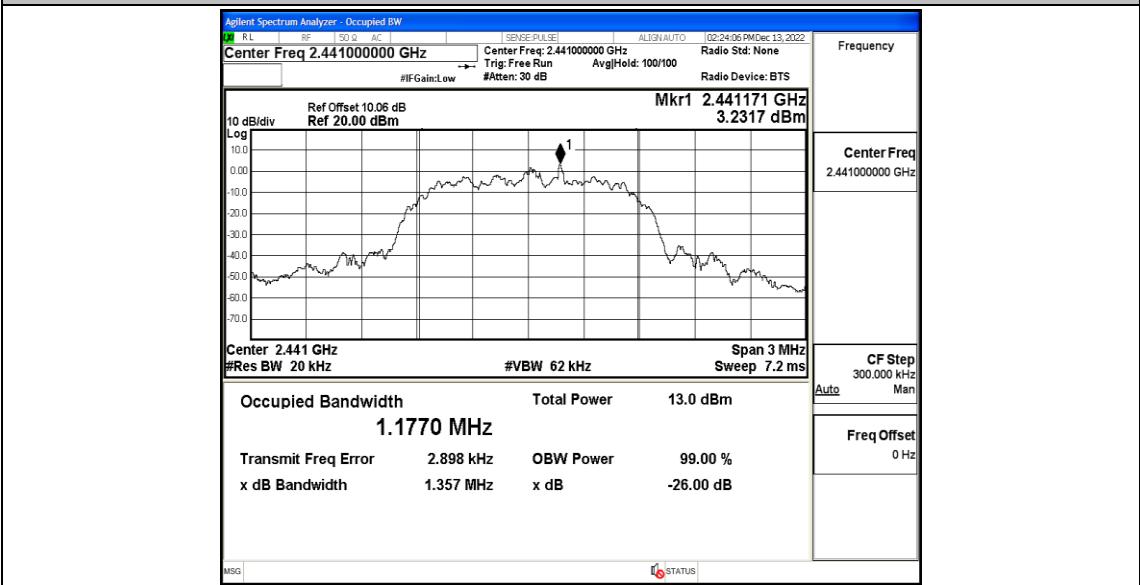
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86912	2401.5667	2402.4358	---	---
		2441	0.86961	2440.5649	2441.4345	---	---
		2480	0.86860	2479.5640	2480.4326	---	---
2DH5	Ant1	2402	1.1802	2401.4125	2402.5927	---	---
		2441	1.1770	2440.4144	2441.5914	---	---
		2480	1.1774	2479.4134	2480.5908	---	---
3DH5	Ant1	2402	1.1726	2401.4148	2402.5874	---	---
		2441	1.1830	2440.4058	2441.5888	---	---
		2480	1.1865	2479.4032	2480.5897	---	---

Test Graphs

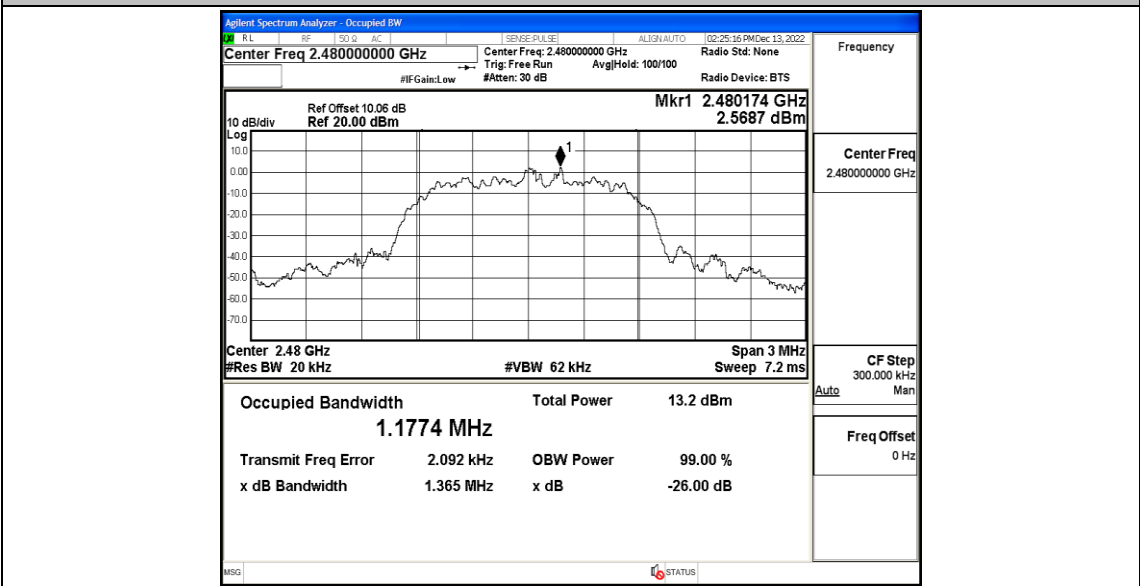




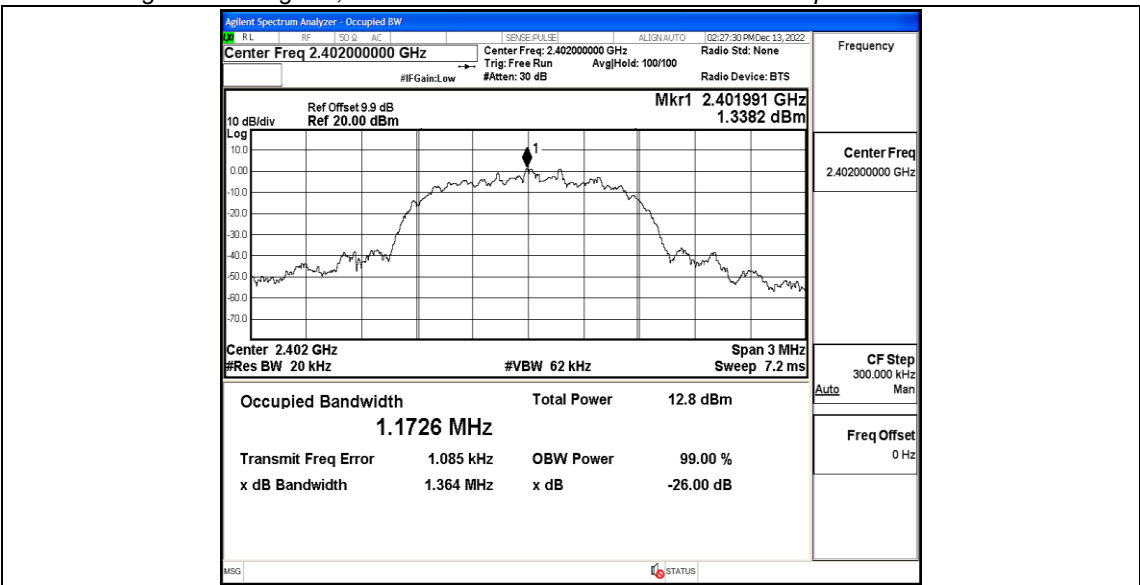
2DH5_Ant1_2441



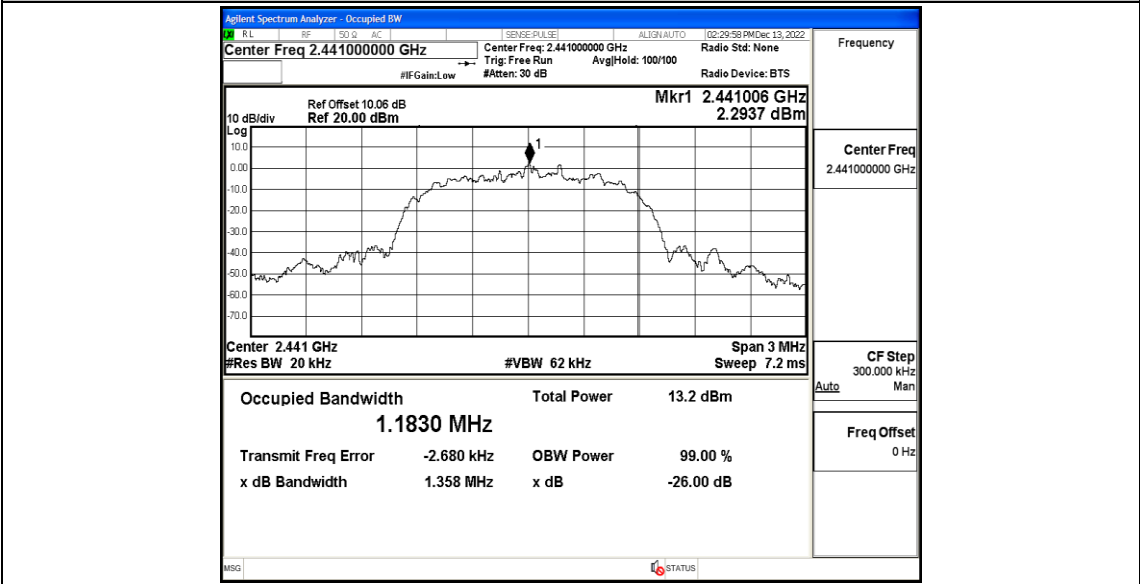
2DH5_Ant1_2480



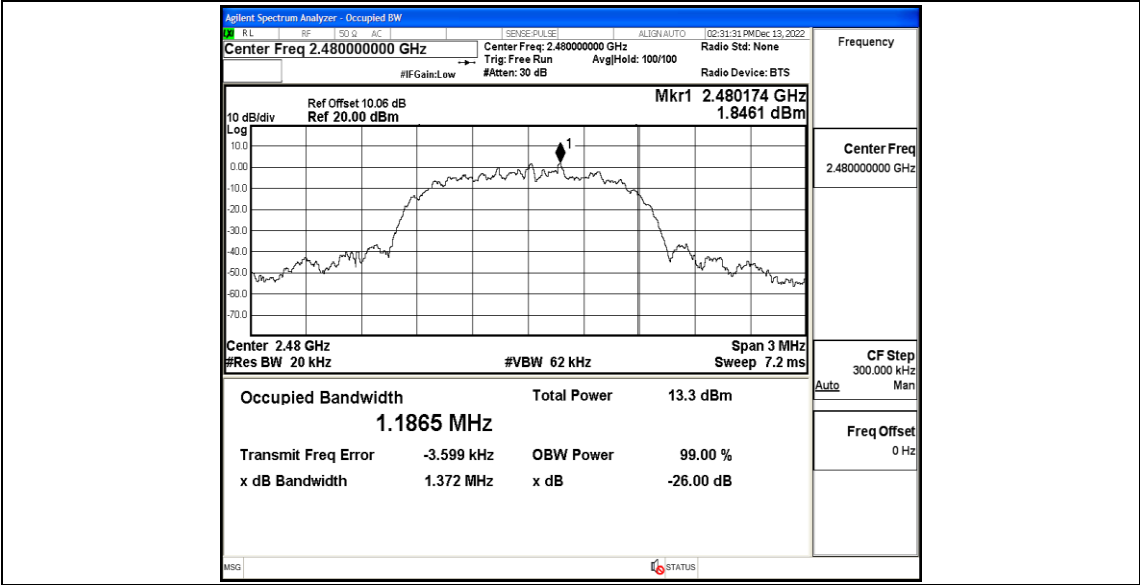
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

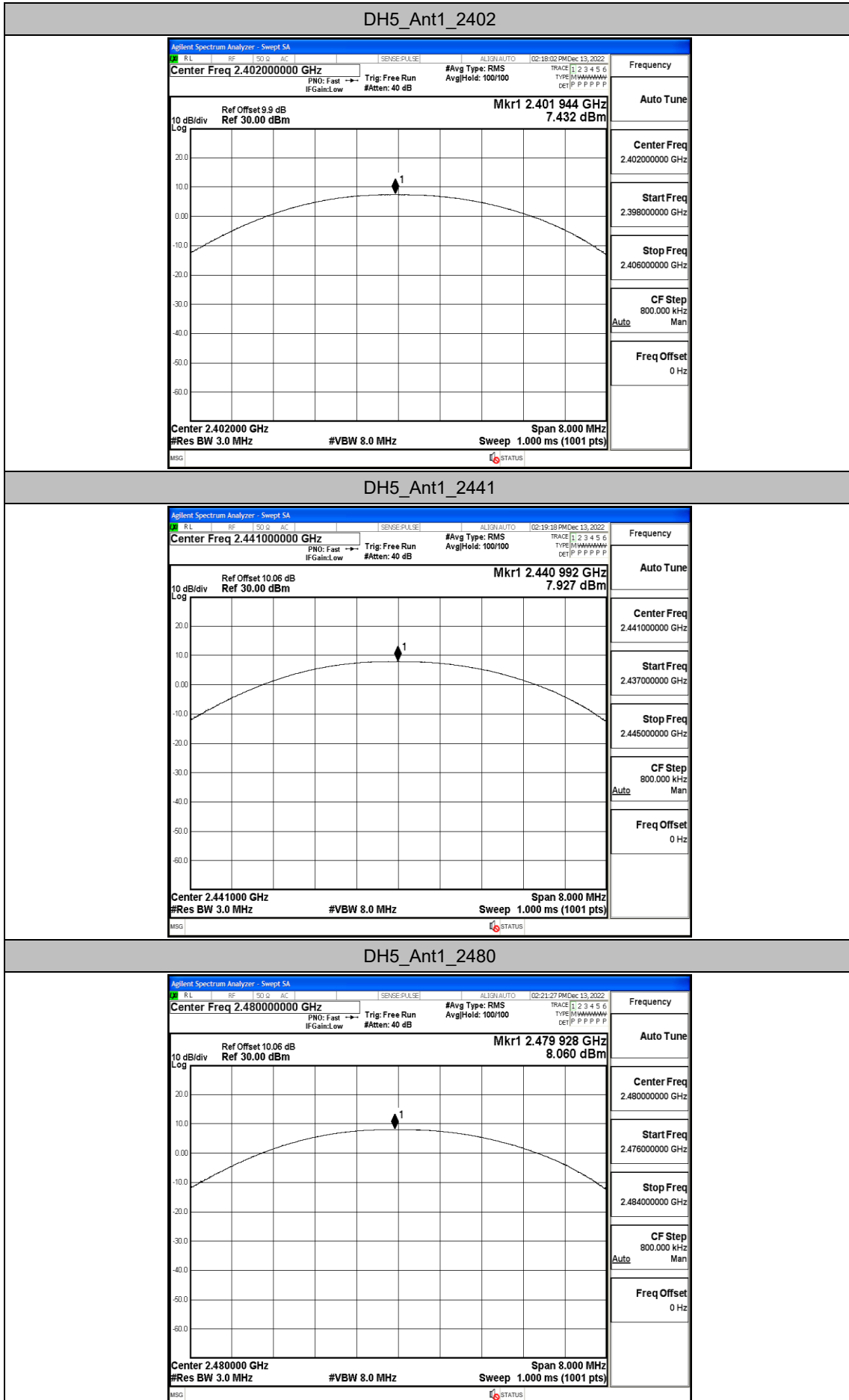


Appendix C: Maximum Peak conducted output power

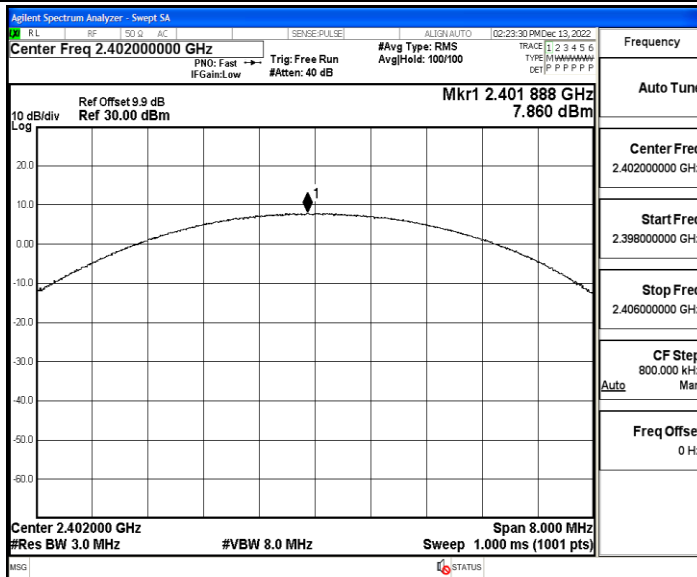
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	7.43	≤30	PASS
		2441	7.93	≤30	PASS
		2480	8.06	≤30	PASS
2DH5	Ant1	2402	7.86	≤20.97	PASS
		2441	8.36	≤20.97	PASS
		2480	8.49	≤20.97	PASS
3DH5	Ant1	2402	8.37	≤20.97	PASS
		2441	8.89	≤20.97	PASS
		2480	9.04	≤20.97	PASS

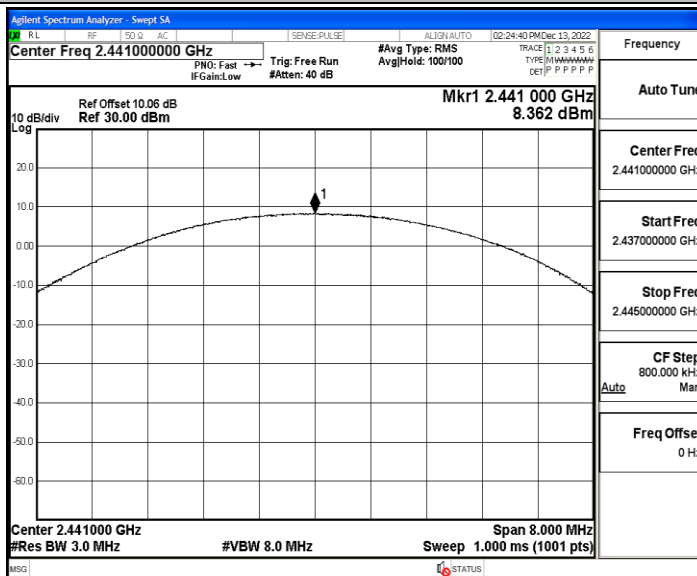
Test Graphs



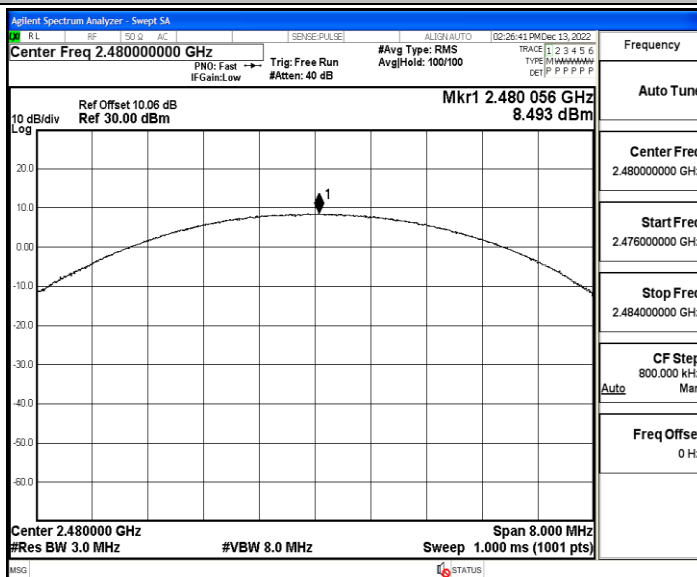
2DH5_Ant1_2402



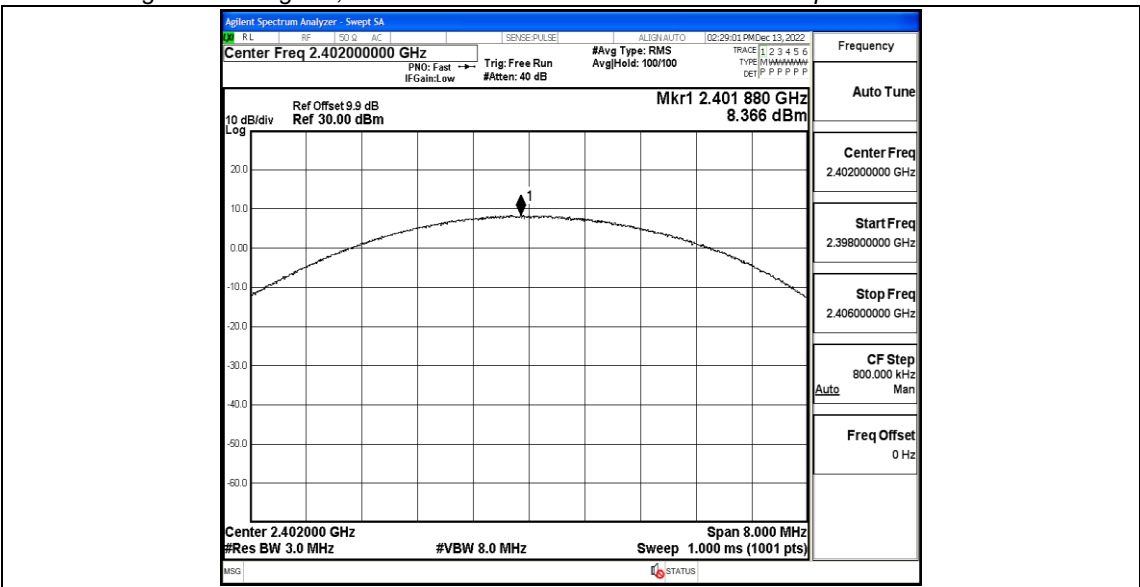
2DH5_Ant1_2441



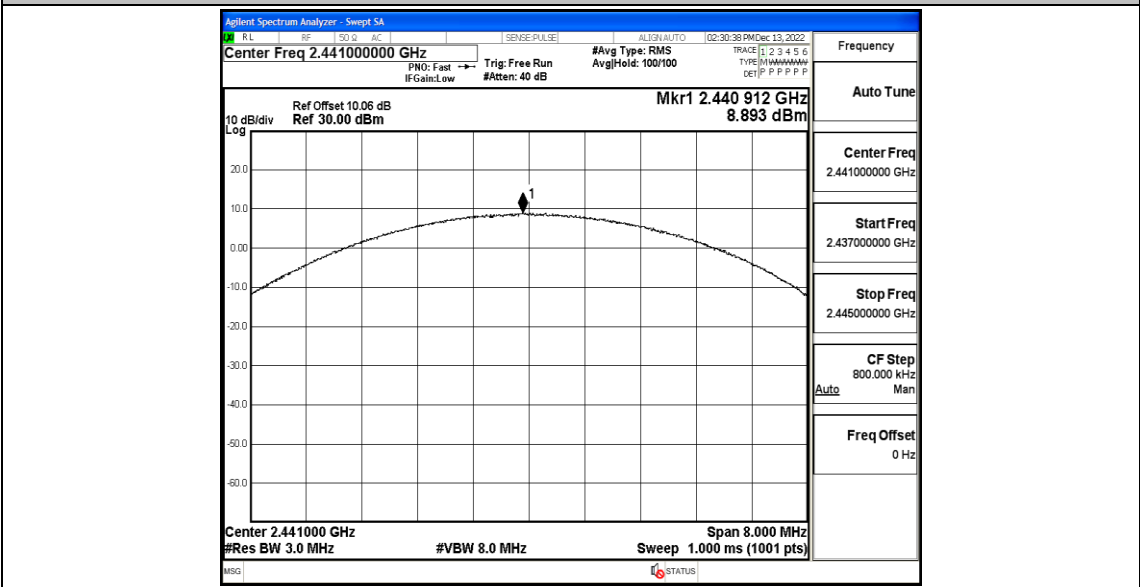
2DH5_Ant1_2480



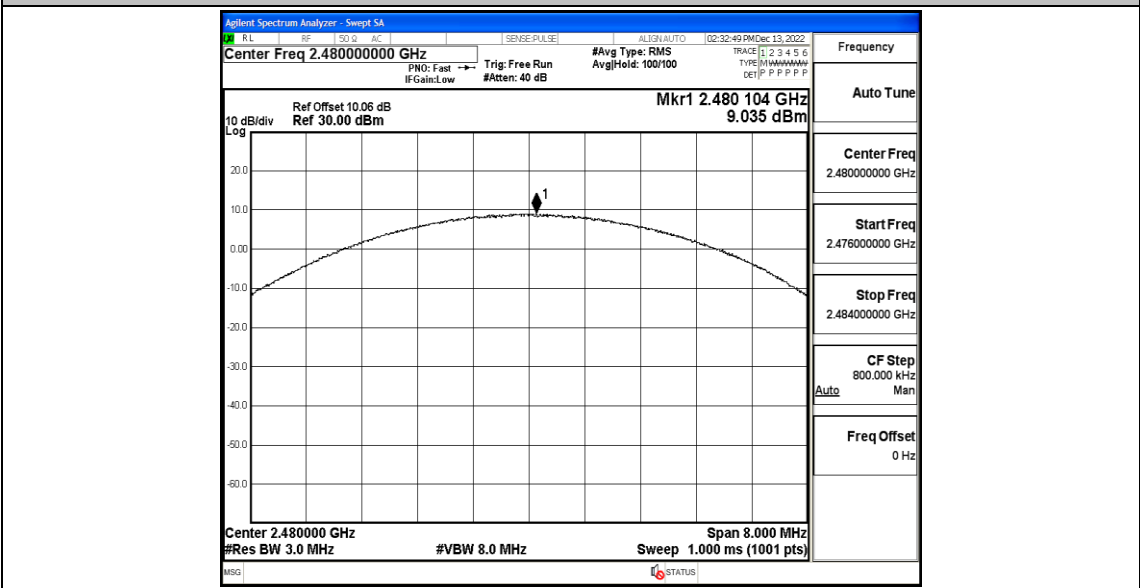
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

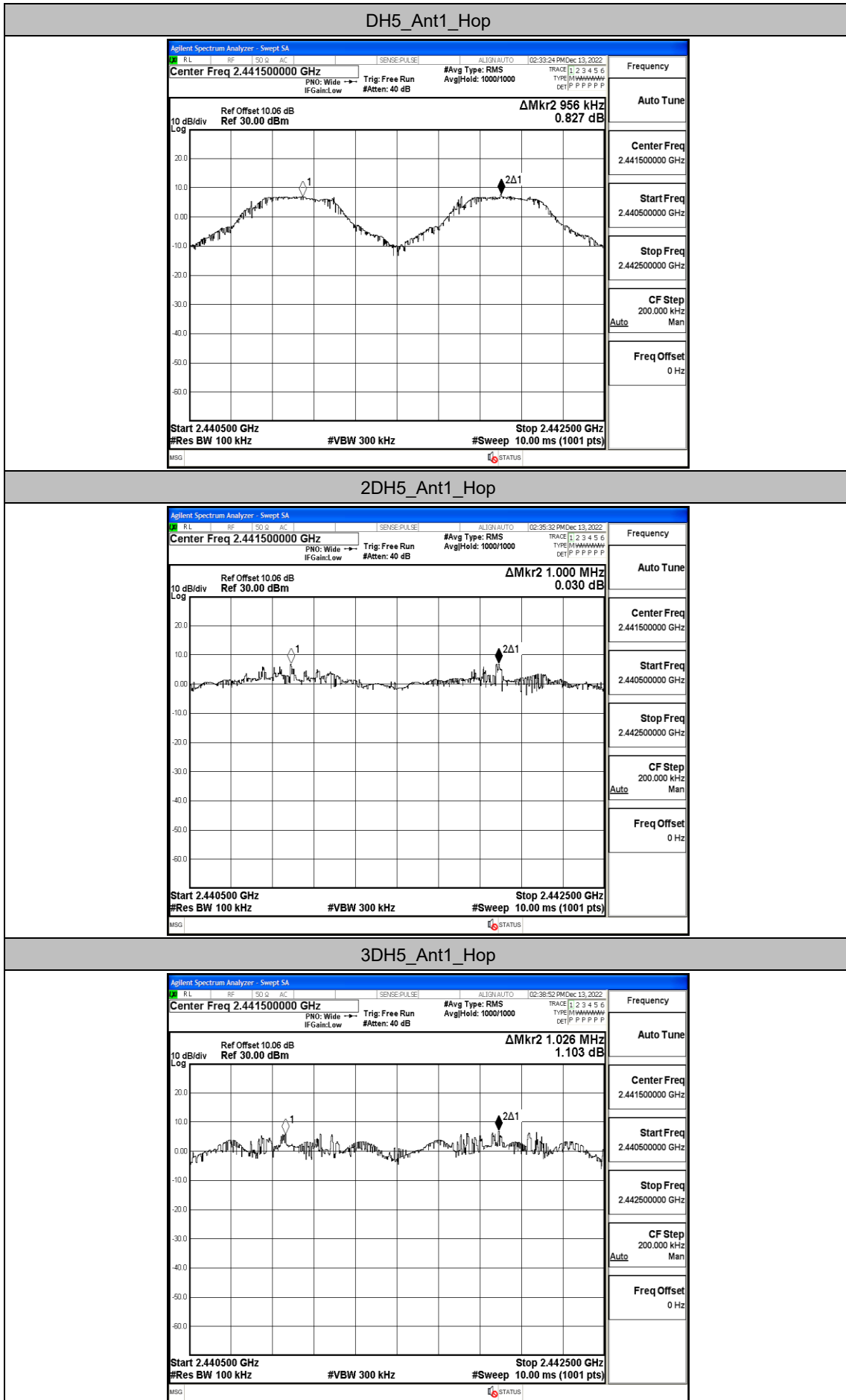


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.956	≥ 0.948	PASS
2DH5	Ant1	Hop	1	≥ 0.880	PASS
3DH5	Ant1	Hop	1.026	≥ 0.872	PASS

Test Graphs

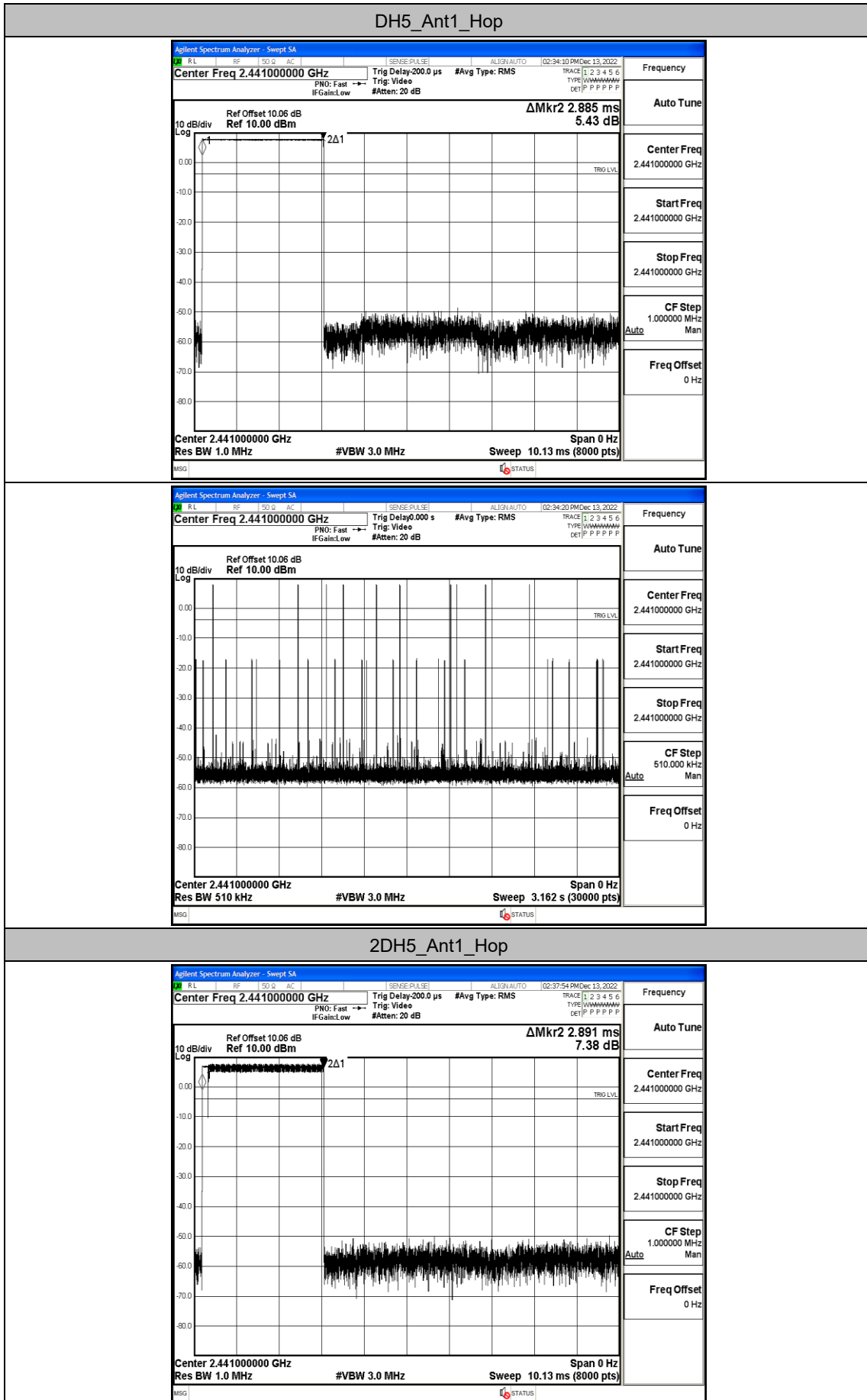


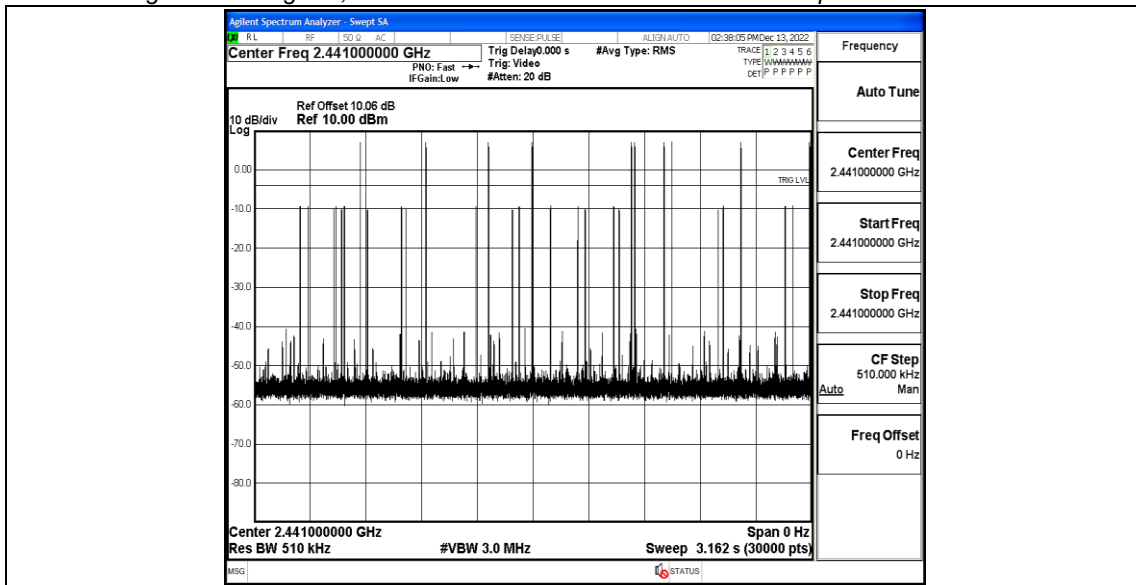
Appendix E: Time of occupancy

Test Result

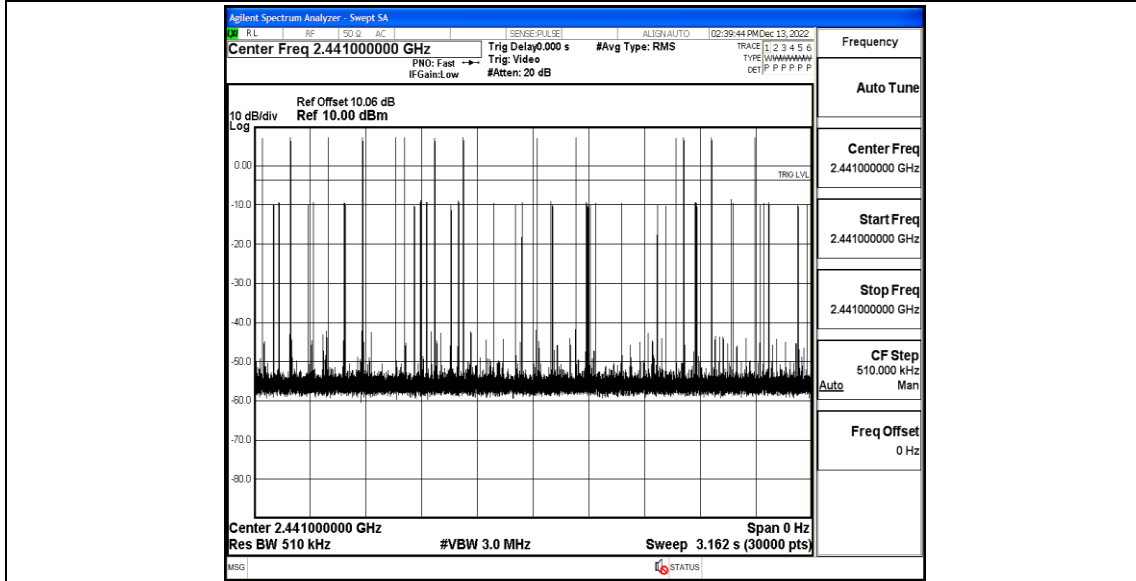
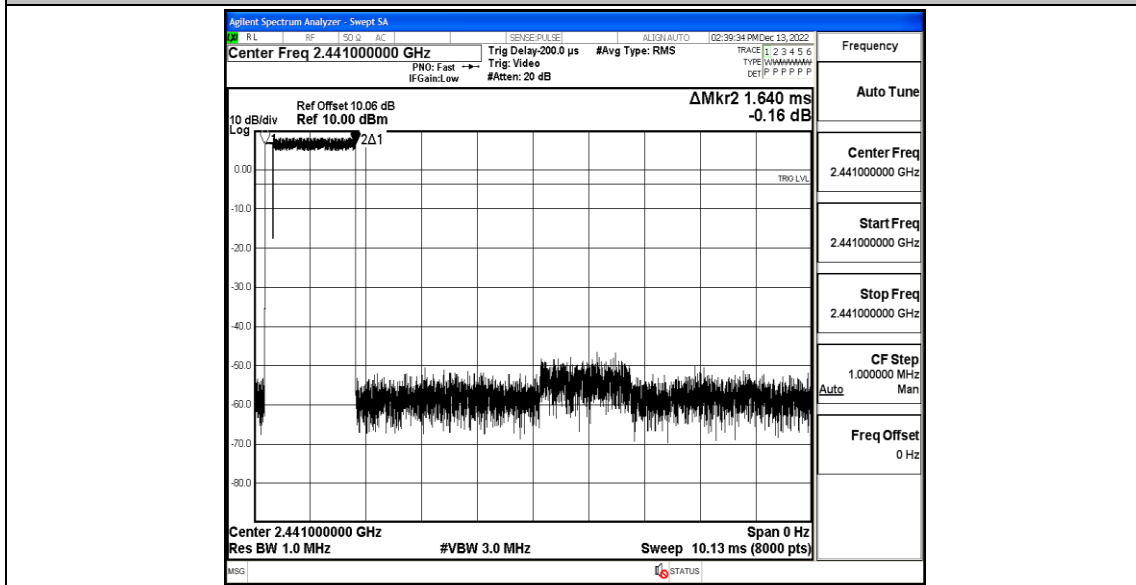
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.891	110	0.318	≤0.4	PASS
3DH5	Ant1	Hop	1.640	160	0.262	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

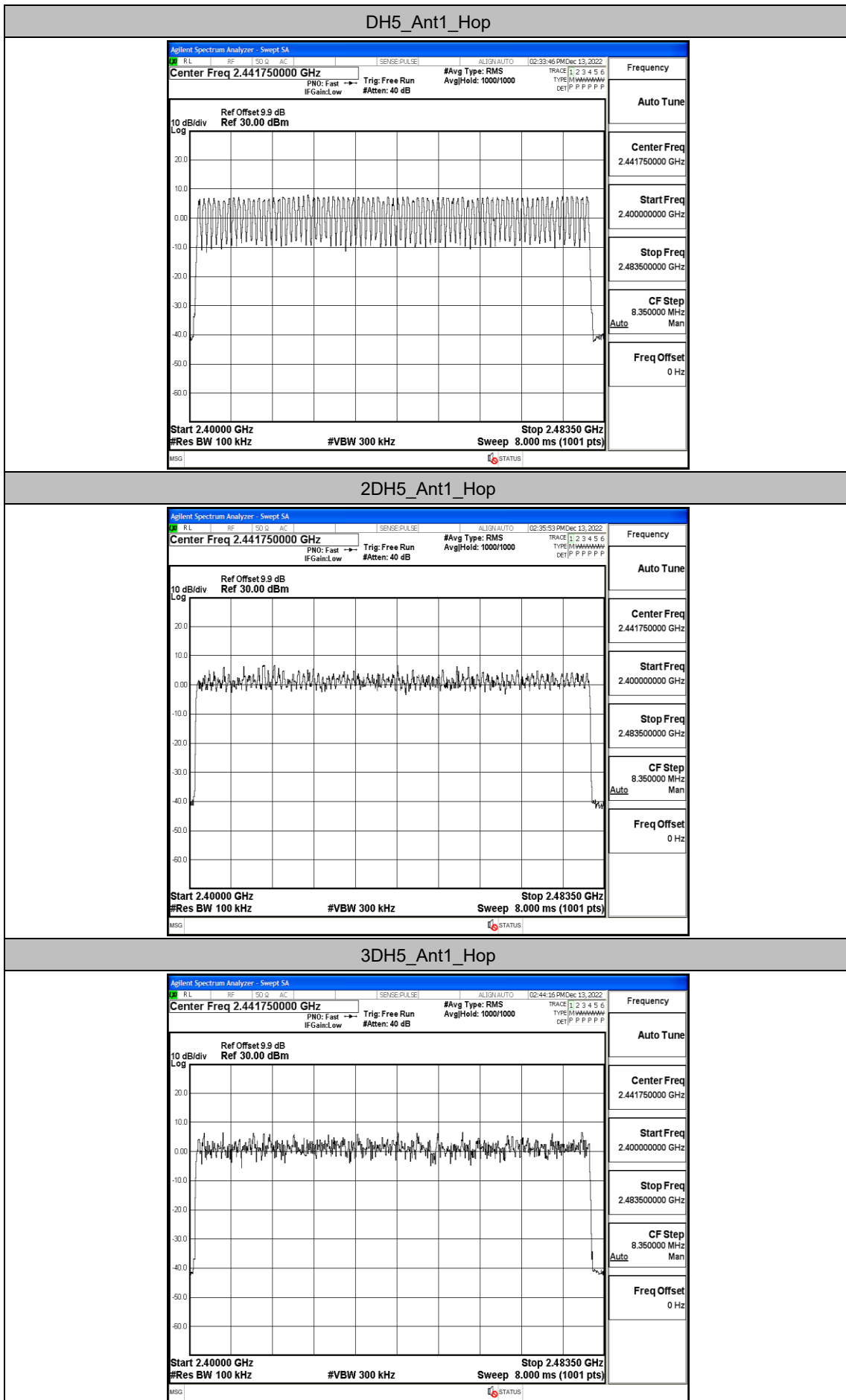


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	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

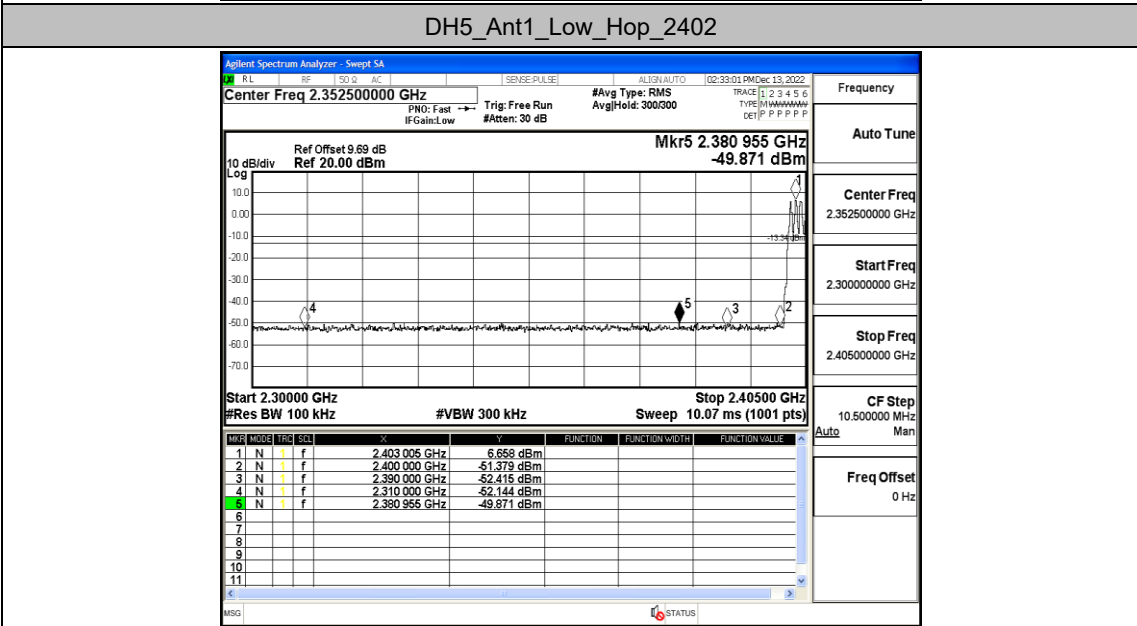
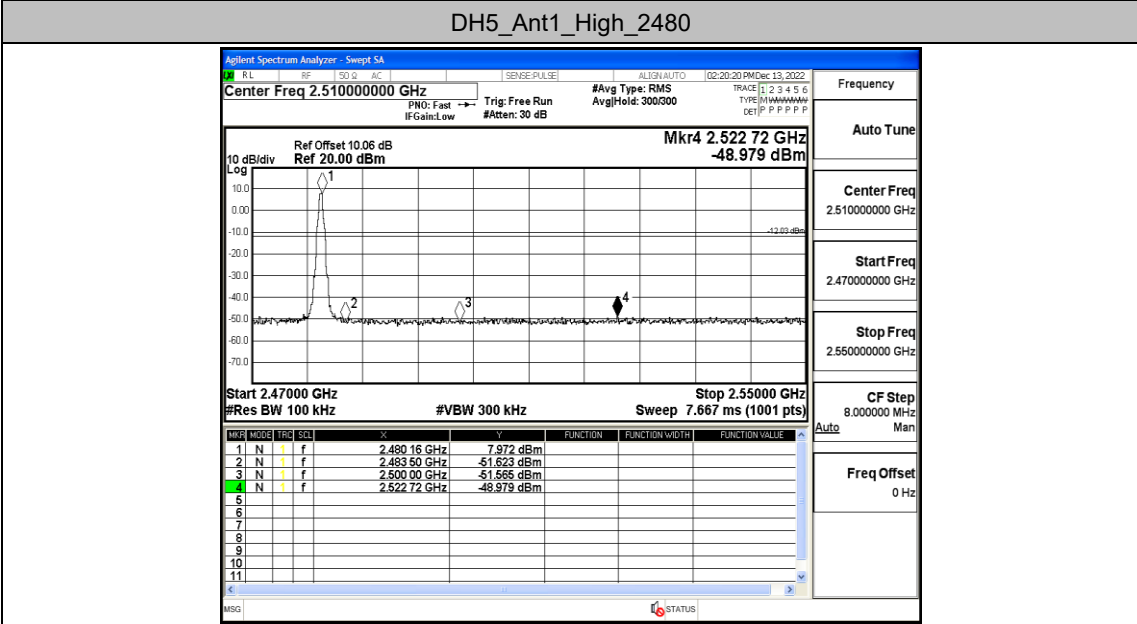
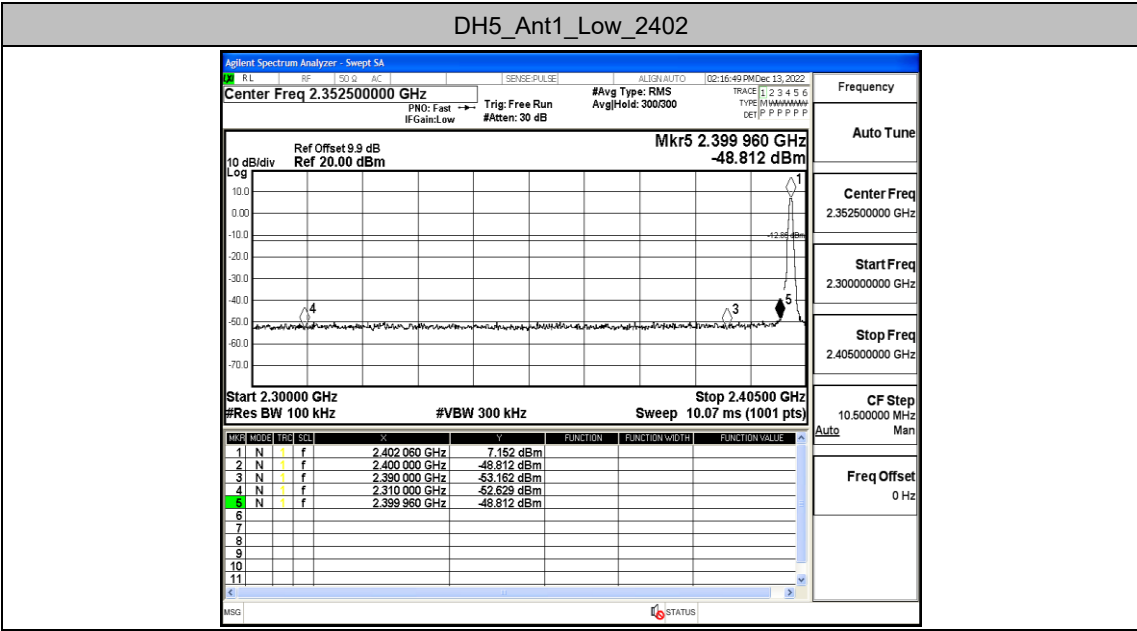


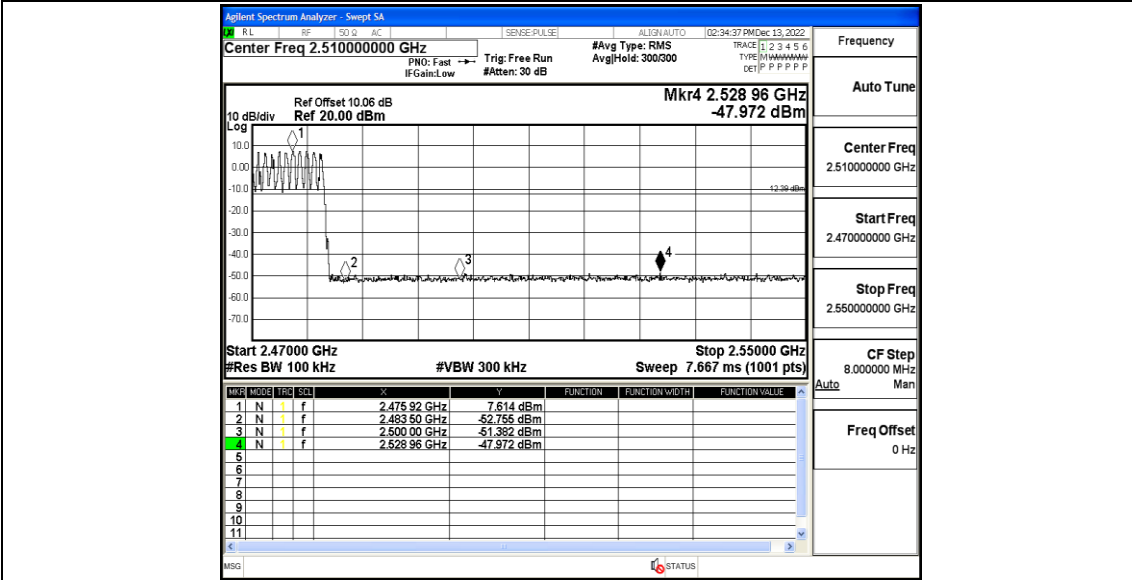
Appendix G: Band edge measurements

Test Result

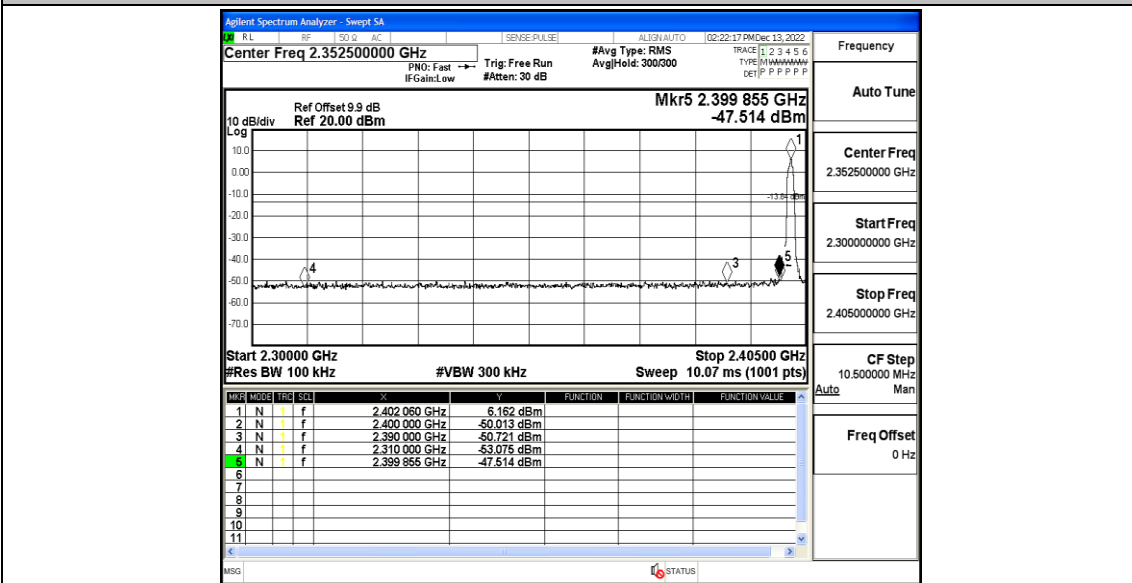
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	7.15	-48.81	≤-12.85	PASS
		High	2480	7.97	-48.98	≤-12.03	PASS
		Low	Hop_2402	6.66	-49.87	≤-13.34	PASS
		High	Hop_2480	7.61	-47.97	≤-12.39	PASS
2DH5	Ant1	Low	2402	6.16	-47.51	≤-13.84	PASS
		High	2480	7.14	-48.44	≤-12.86	PASS
		Low	Hop_2402	2.33	-49.51	≤-17.67	PASS
		High	Hop_2480	4.24	-48.65	≤-15.77	PASS
3DH5	Ant1	Low	2402	6.50	-49.12	≤-13.5	PASS
		High	2480	7.09	-48.39	≤-12.91	PASS
		Low	Hop_2402	2.28	-49.58	≤-17.73	PASS
		High	Hop_2480	7.22	-48.78	≤-12.78	PASS

Test Graphs

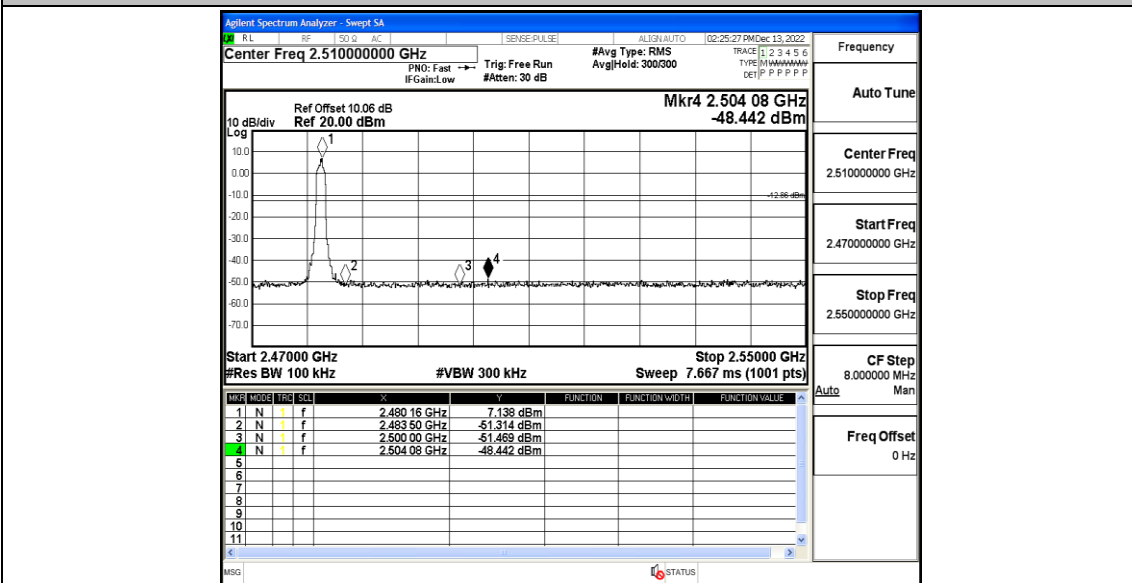




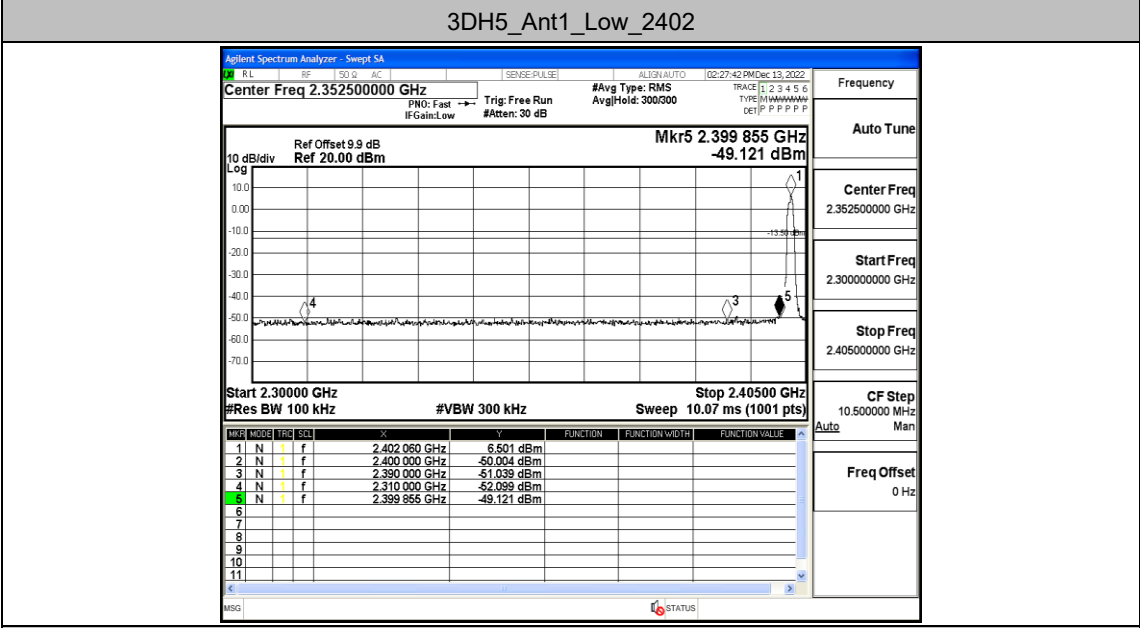
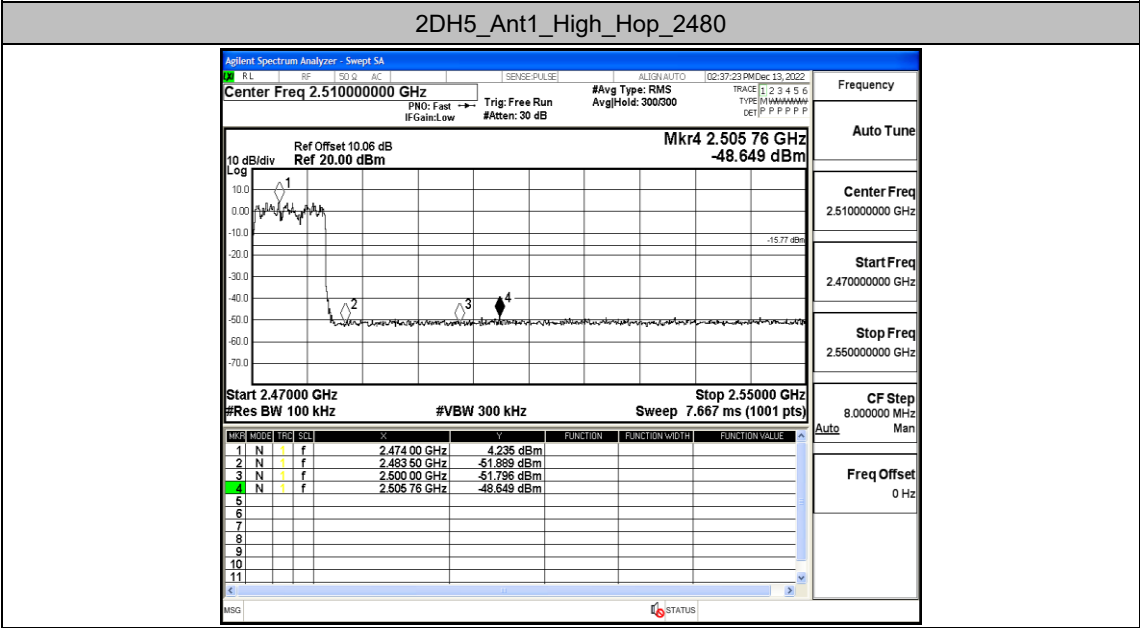
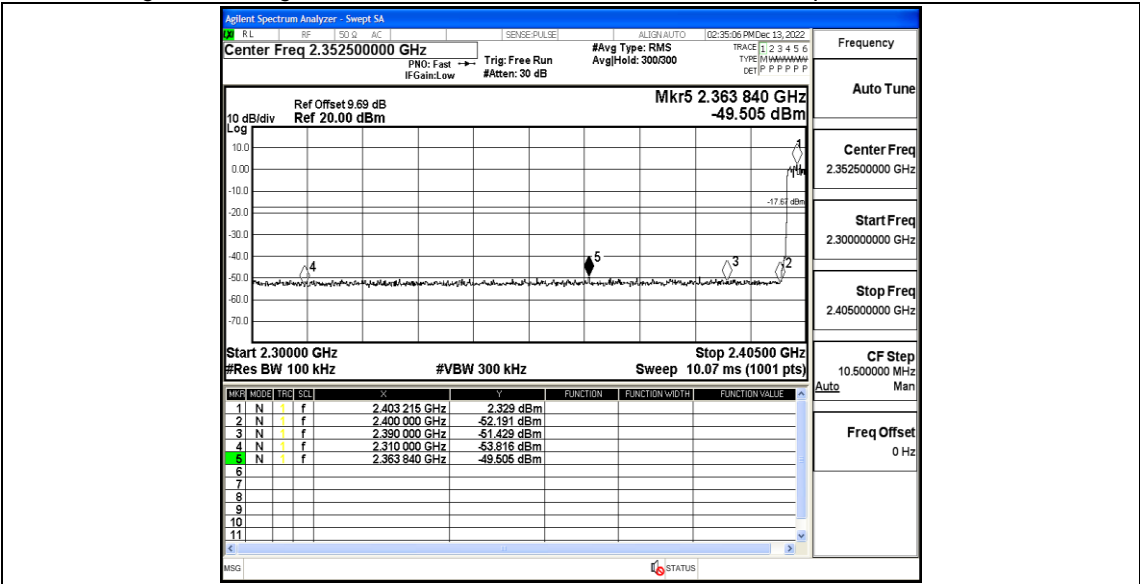
2DHS_Ant1_Low_2402

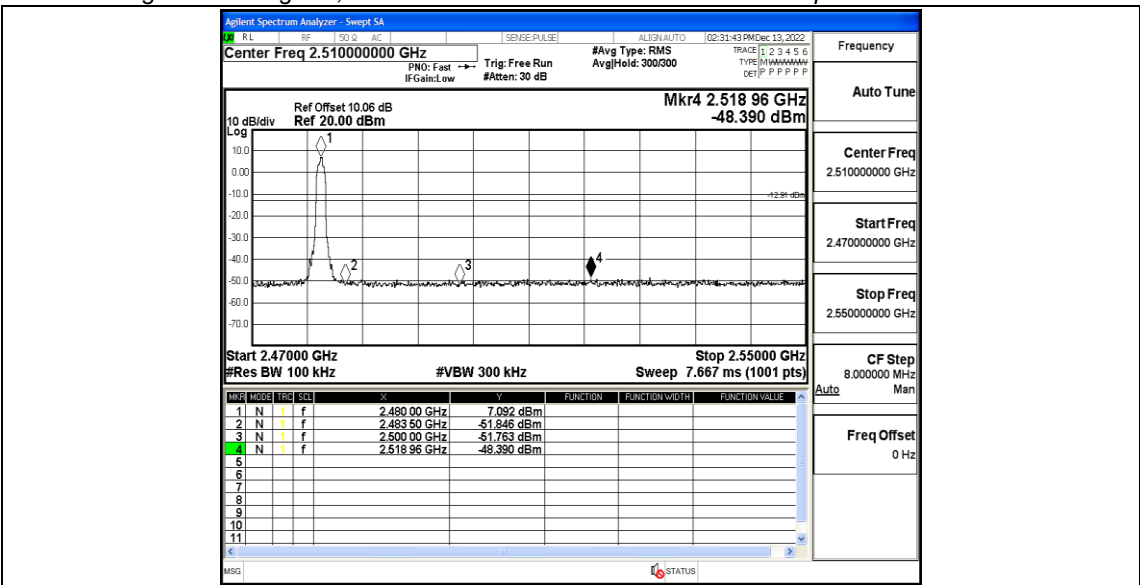


2DHS_Ant1_High_2480

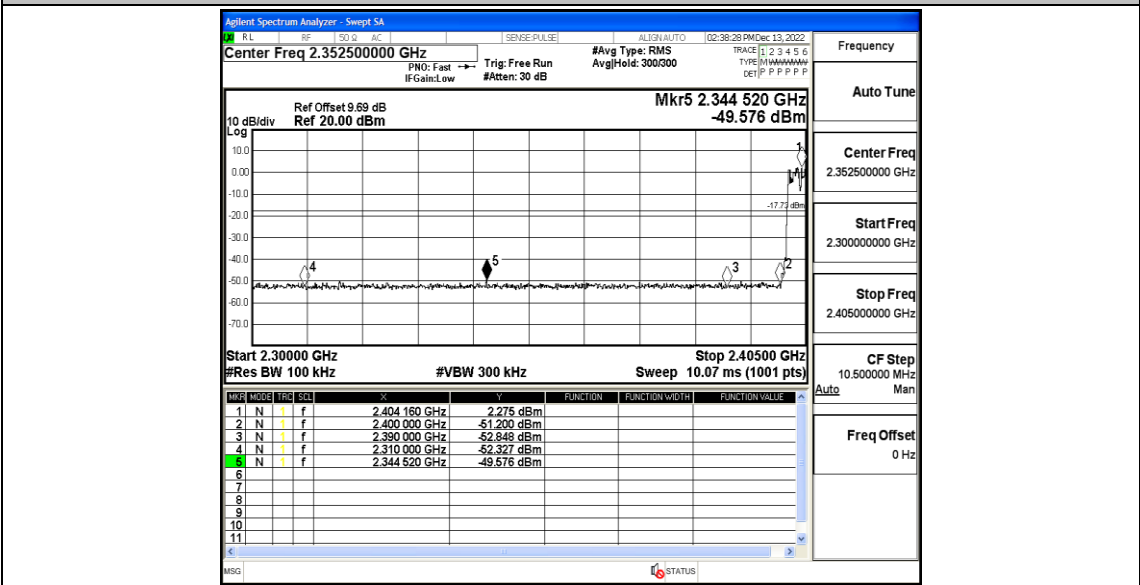


2DHS_Ant1_Low_Hop_2402

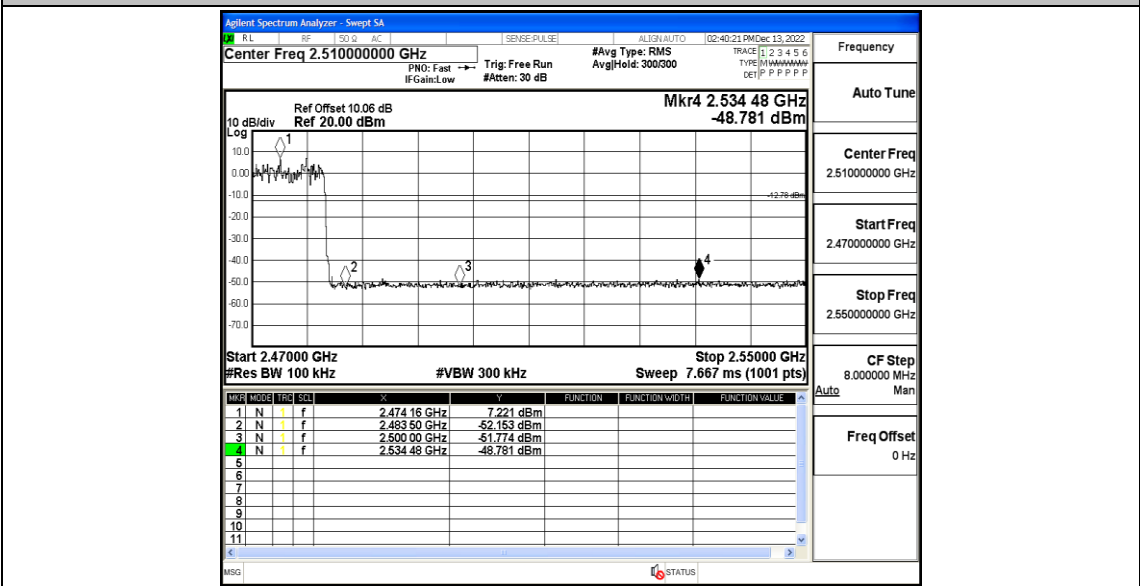




3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

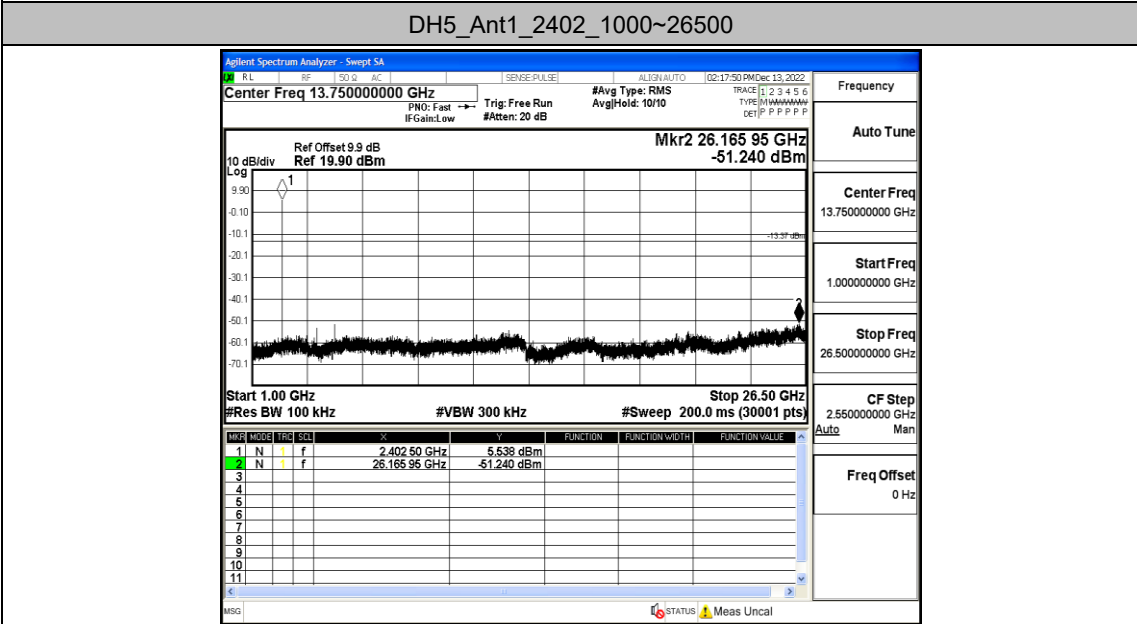
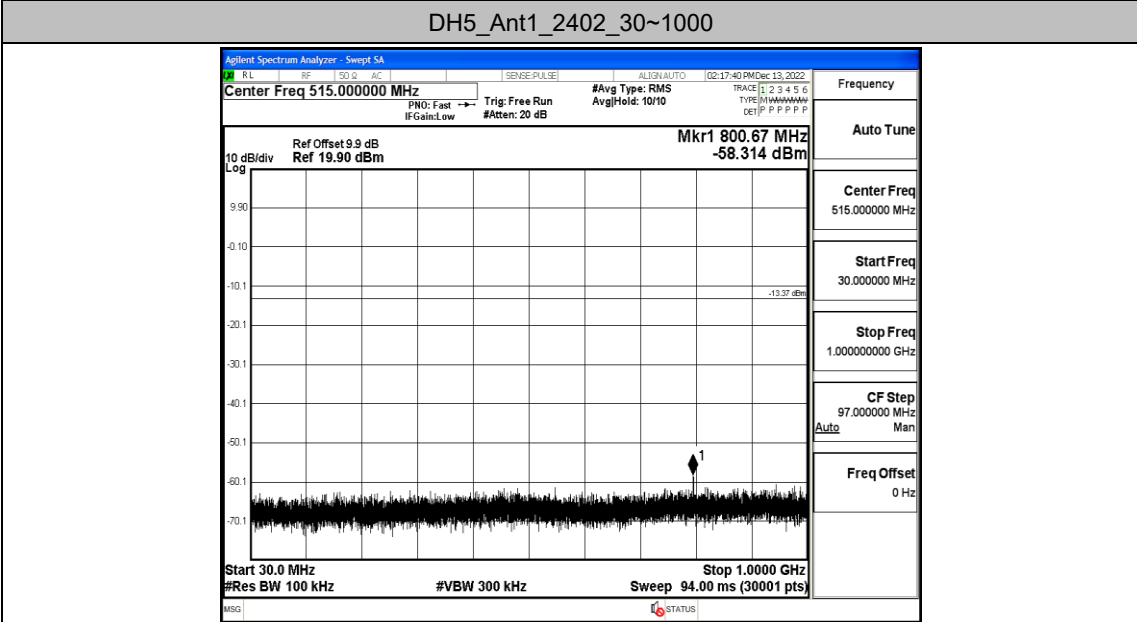
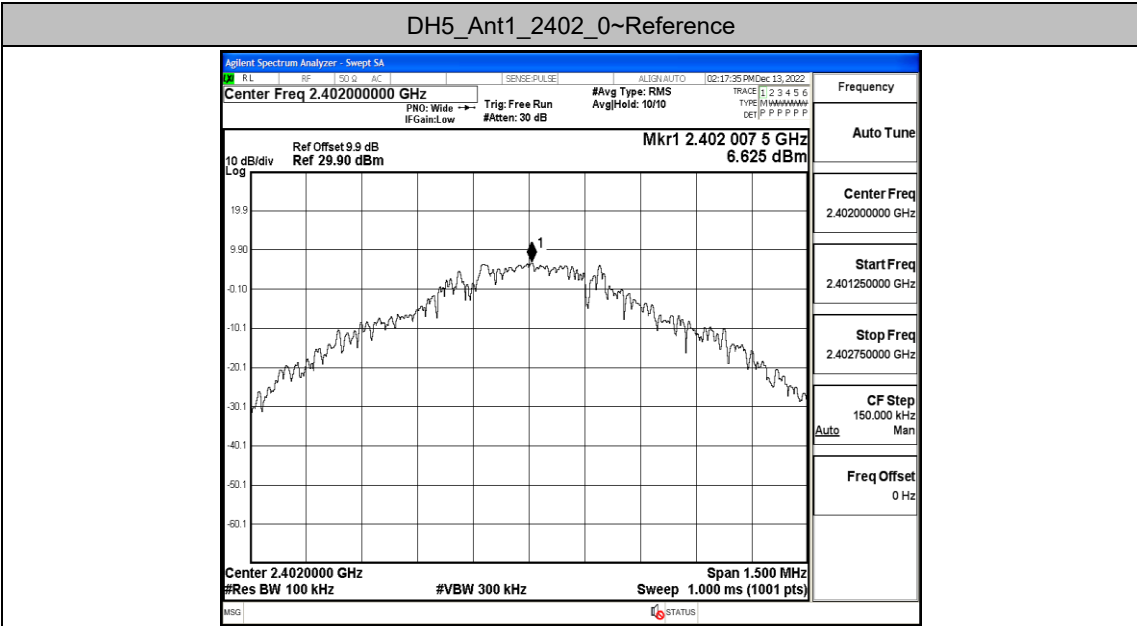


Appendix H: Conducted Spurious Emission

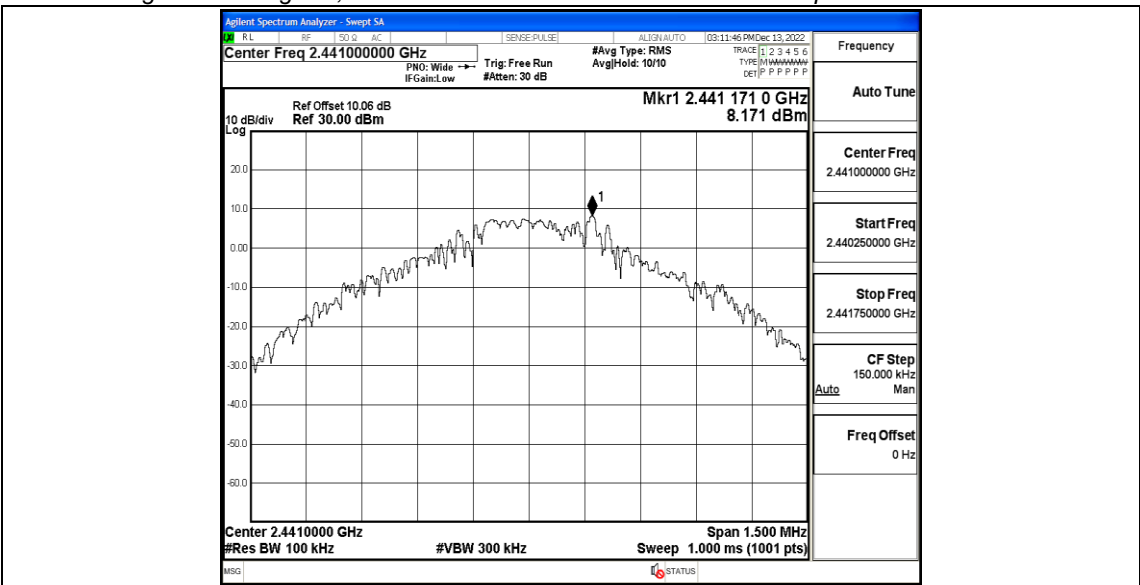
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	6.63	6.63	---	PASS
			30~1000	6.63	-58.31	≤-13.37	PASS
			1000~26500	6.63	-51.24	≤-13.37	PASS
		2441	Reference	8.17	8.17	---	PASS
			30~1000	8.17	-60.84	≤-11.83	PASS
			1000~26500	8.17	-47.73	≤-11.83	PASS
		2480	Reference	7.04	7.04	---	PASS
			30~1000	7.04	-59.64	≤-12.96	PASS
			1000~26500	7.04	-50.12	≤-12.96	PASS
2DH5	Ant1	2402	Reference	3.28	3.28	---	PASS
			30~1000	3.28	-60.37	≤-16.72	PASS
			1000~26500	3.28	-50.87	≤-16.72	PASS
		2441	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-61.08	≤-16	PASS
			1000~26500	4.00	-51.45	≤-16	PASS
		2480	Reference	6.00	6.00	---	PASS
			30~1000	6.00	-60.16	≤-14	PASS
			1000~26500	6.00	-50.99	≤-14	PASS
3DH5	Ant1	2402	Reference	3.44	3.44	---	PASS
			30~1000	3.44	-58.24	≤-16.56	PASS
			1000~26500	3.44	-50.55	≤-16.56	PASS
		2441	Reference	6.05	6.05	---	PASS
			30~1000	6.05	-60.42	≤-13.95	PASS
			1000~26500	6.05	-51.18	≤-13.95	PASS
		2480	Reference	7.00	7.00	---	PASS
			30~1000	7.00	-60.82	≤-13	PASS
			1000~26500	7.00	-50.19	≤-13	PASS

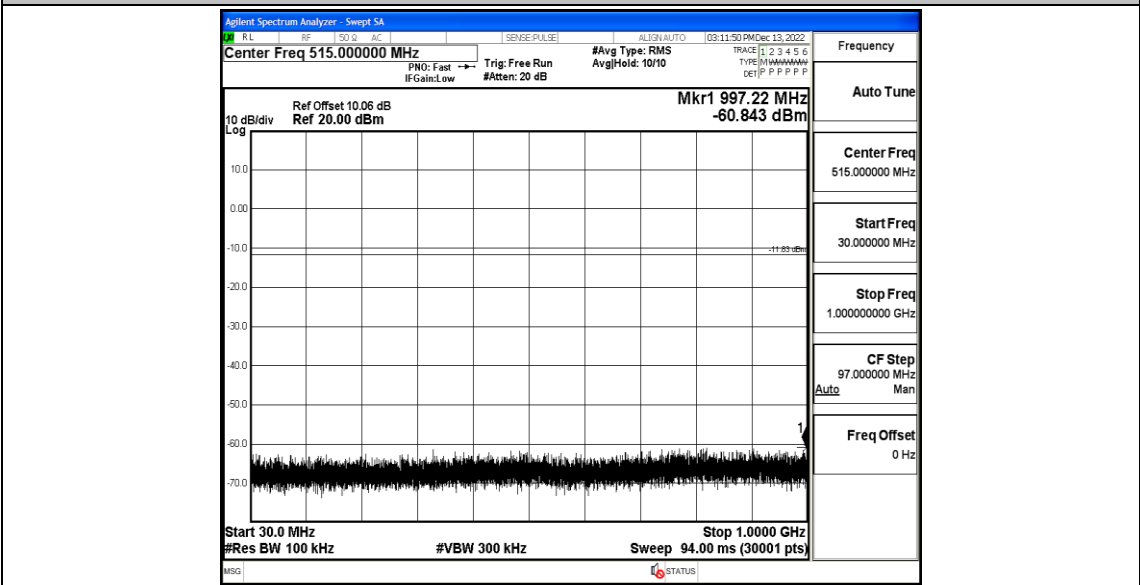
Test Graphs



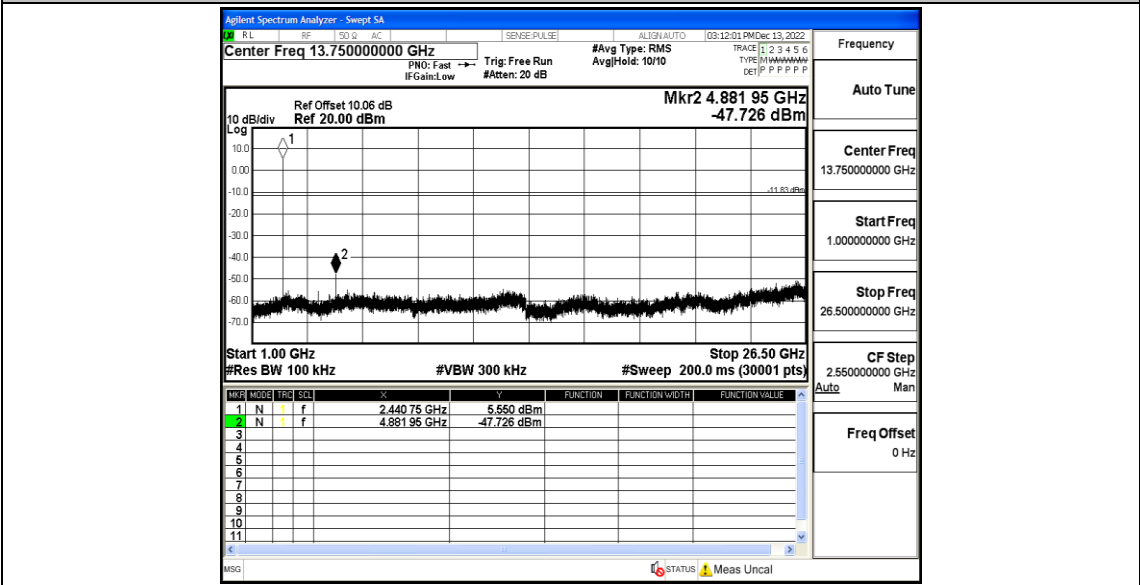
DH5_Ant1_2441_0~Reference



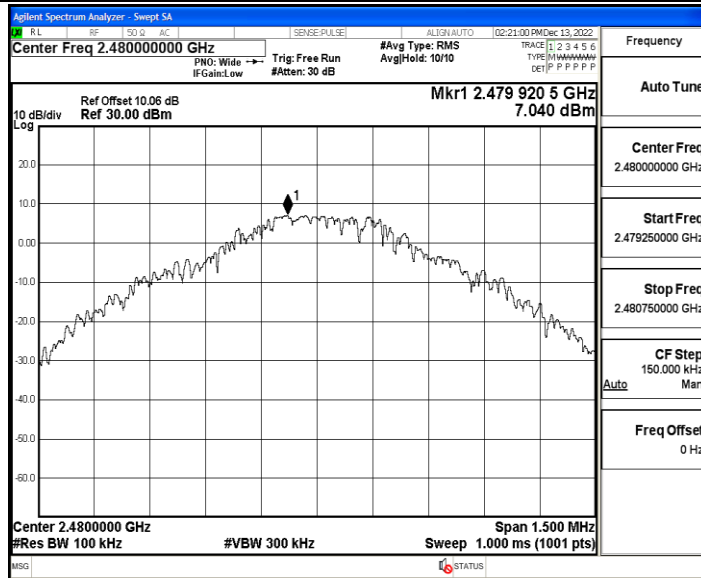
DH5_Ant1_2441_30~1000



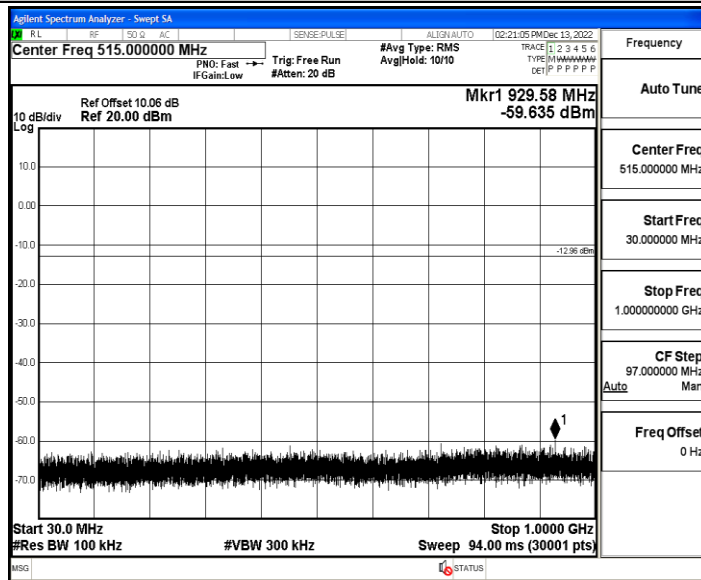
DH5_Ant1_2441_1000~26500



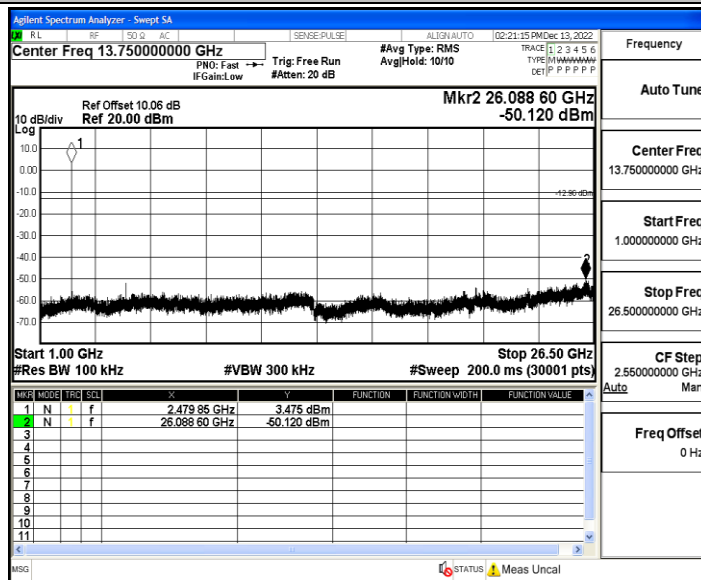
DH5_Ant1_2480_0~Reference



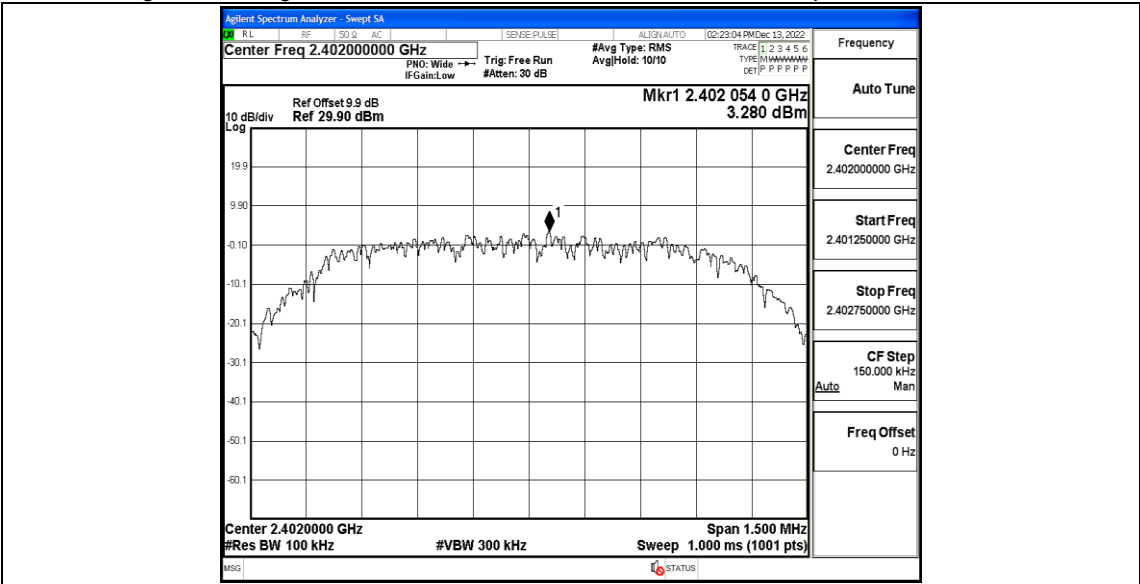
DH5_Ant1_2480_30~1000



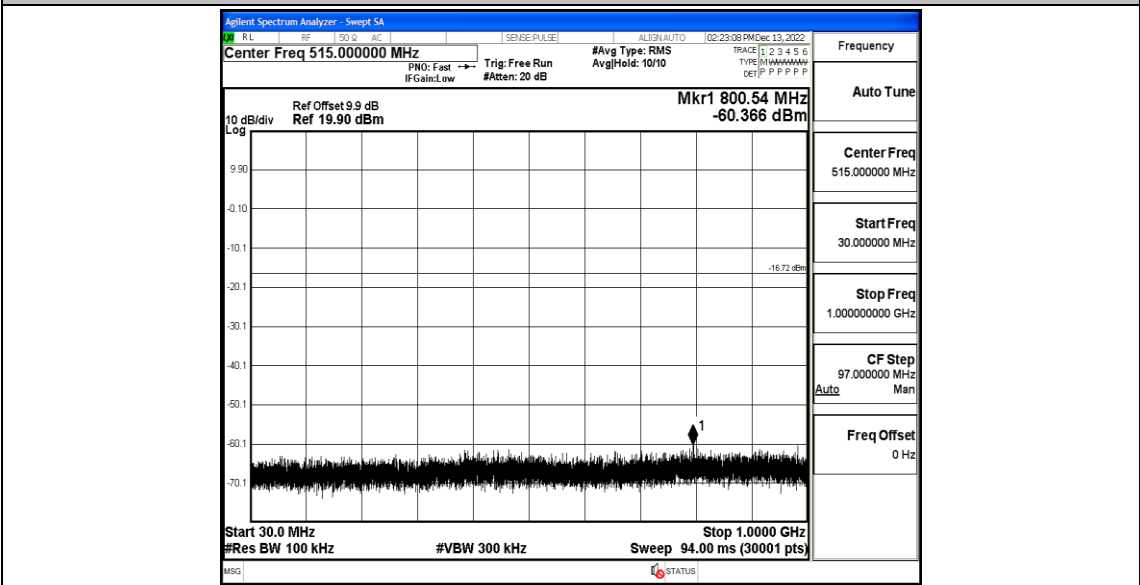
DH5_Ant1_2480_1000~26500



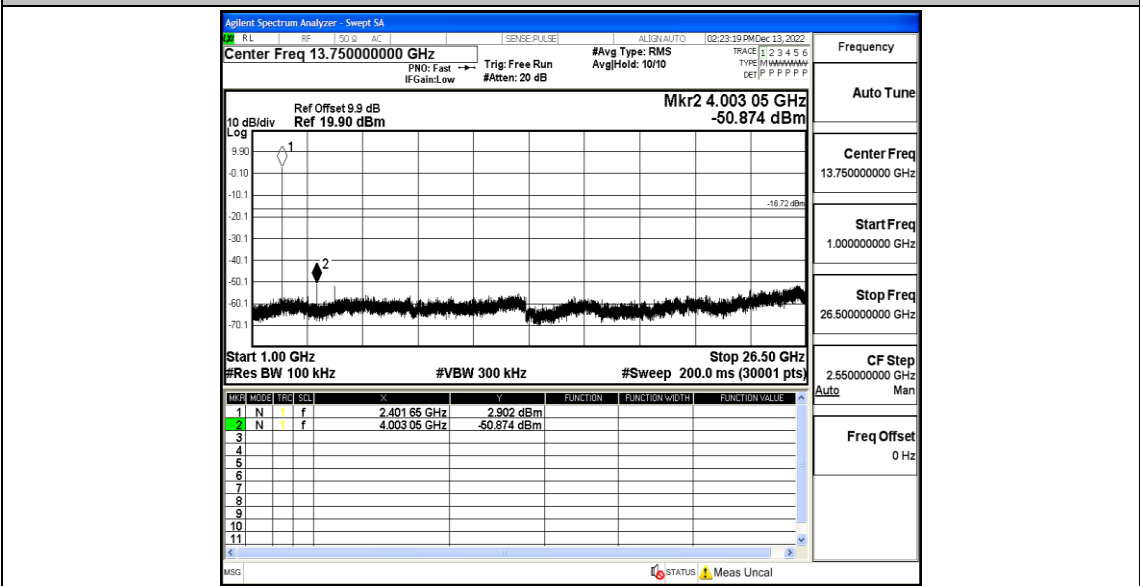
2DH5_Ant1_2402_0~Reference



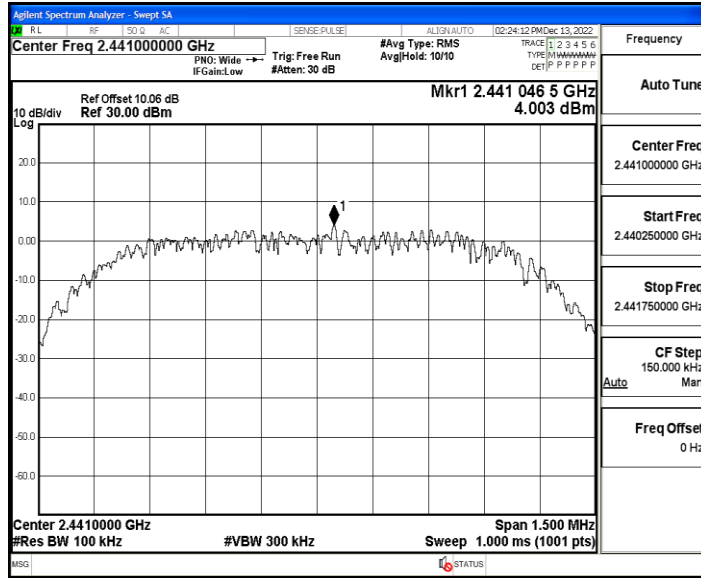
2DH5_Ant1_2402_30~1000



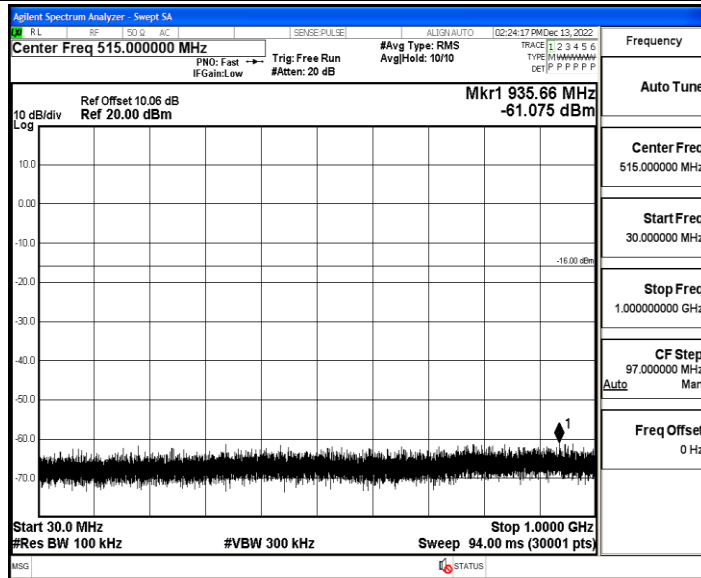
2DH5_Ant1_2402_1000~26500



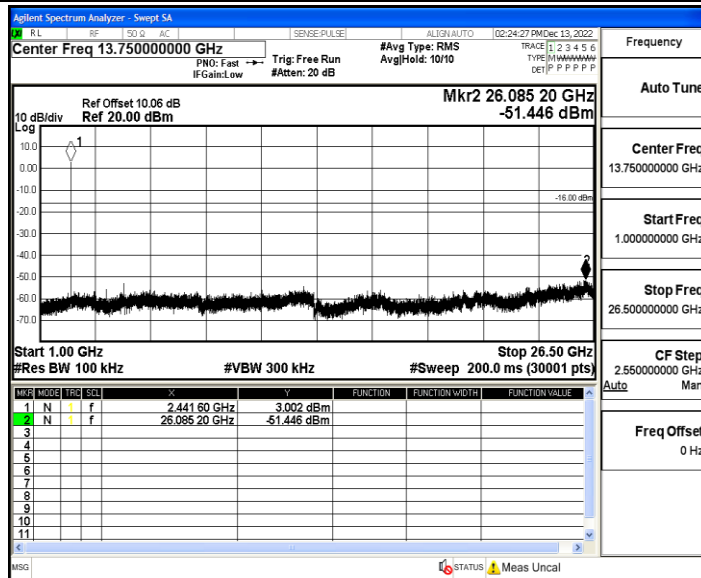
2DH5_Ant1_2441_0~Reference



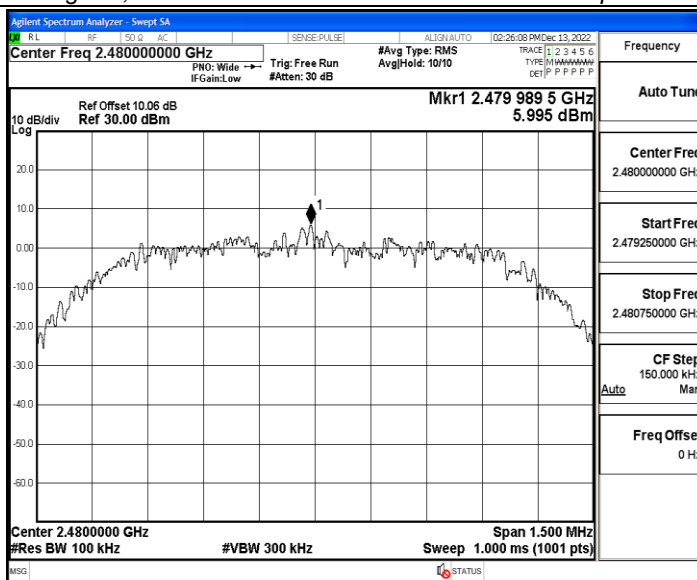
2DH5_Ant1_2441_30~1000



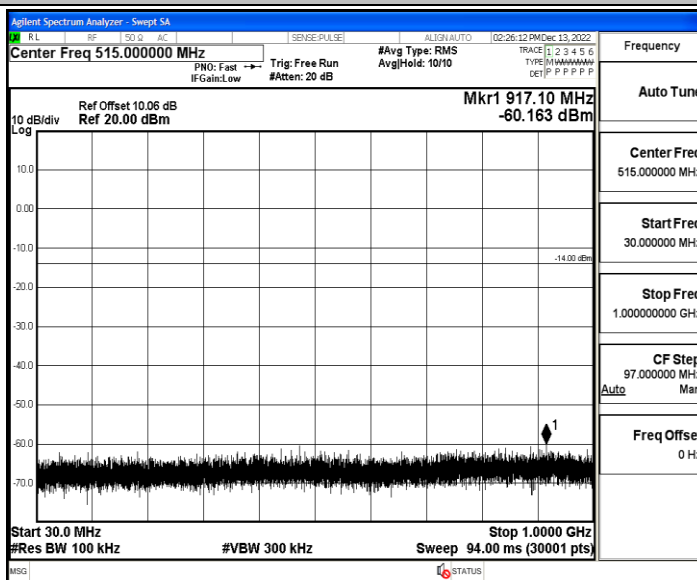
2DH5_Ant1_2441_1000~26500



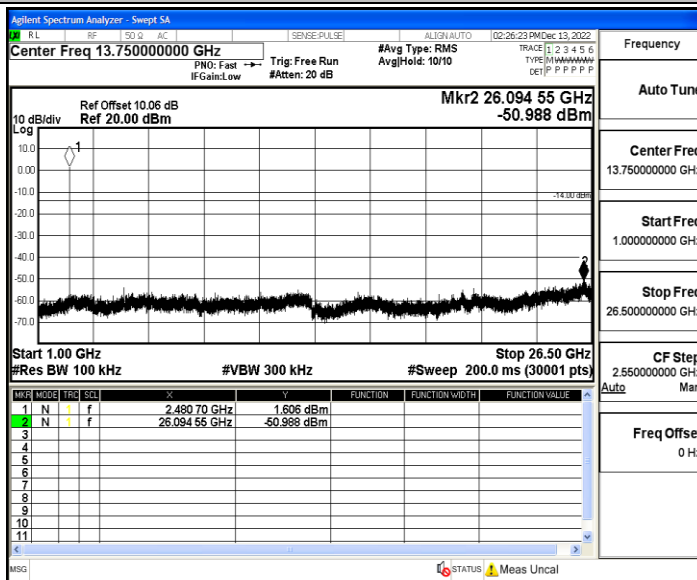
2DH5_Ant1_2480_0~Reference



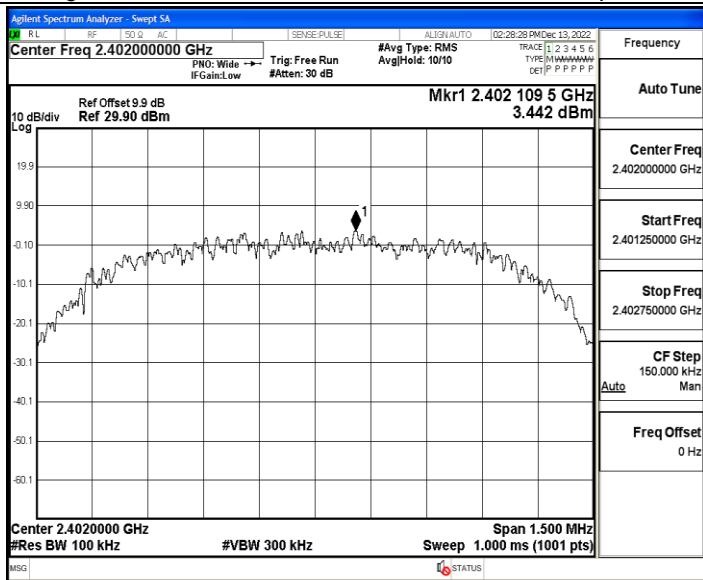
2DH5_Ant1_2480_30~1000



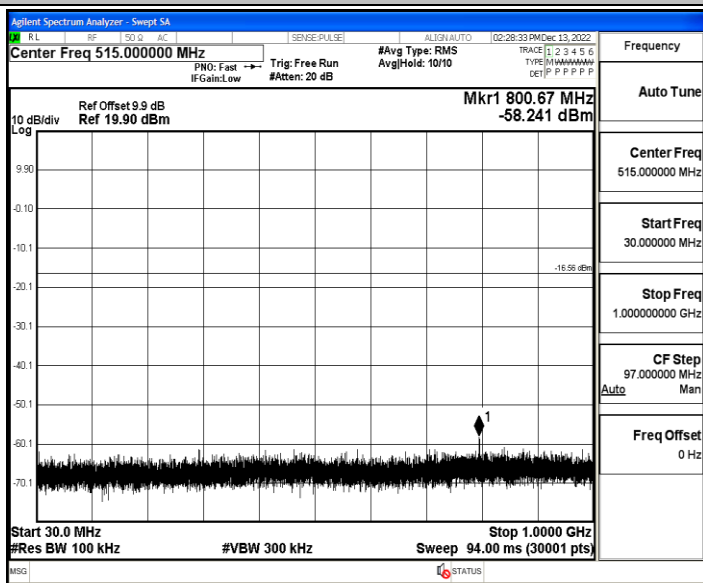
2DH5_Ant1_2480_1000~26500



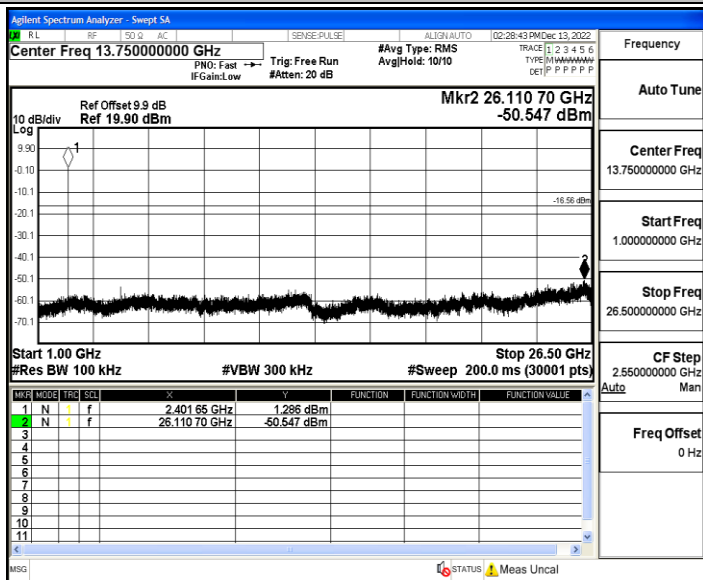
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference