

Appendix: Bluetooth Classic

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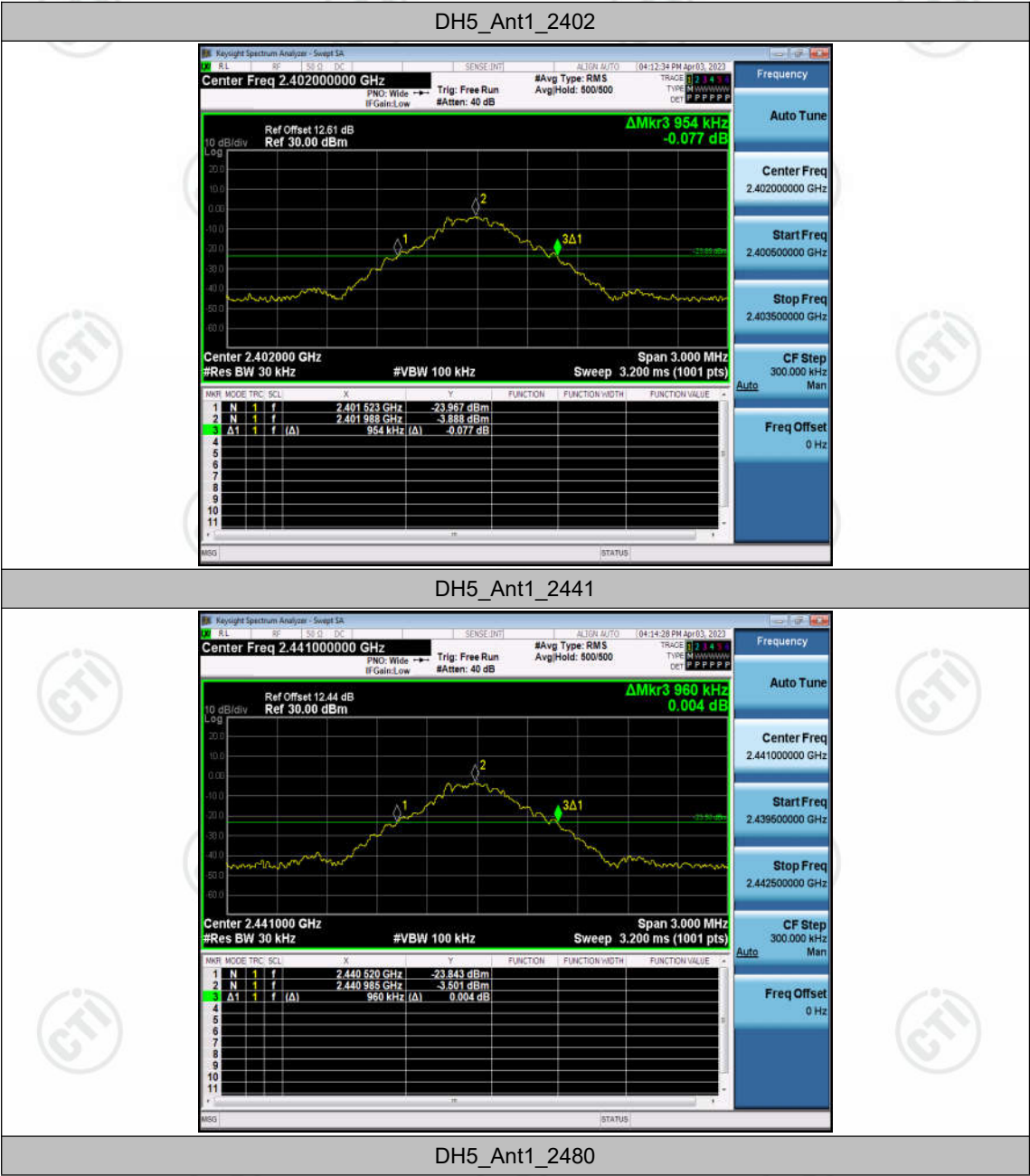
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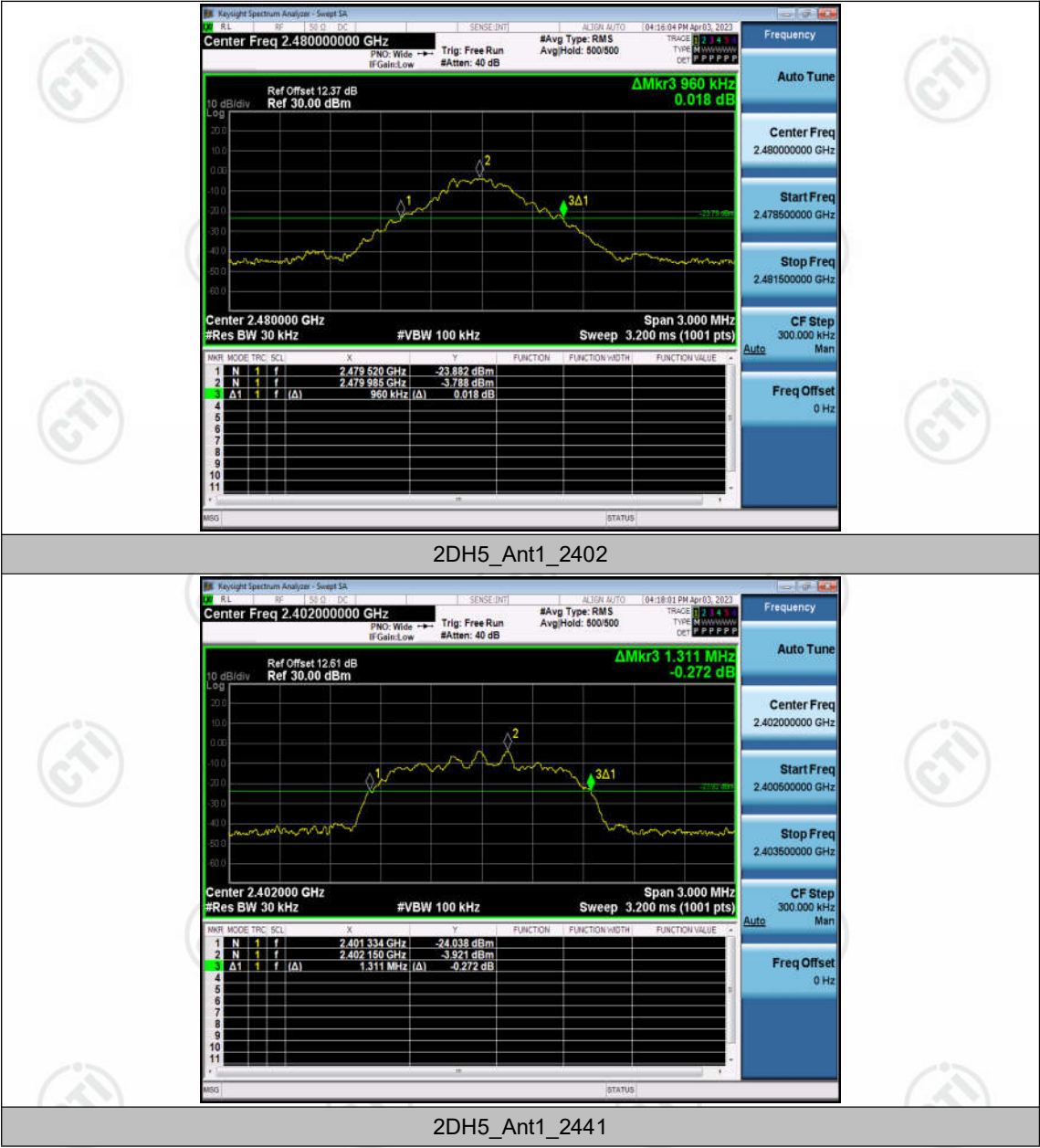
Appendix A: 20dB Emission Bandwidth

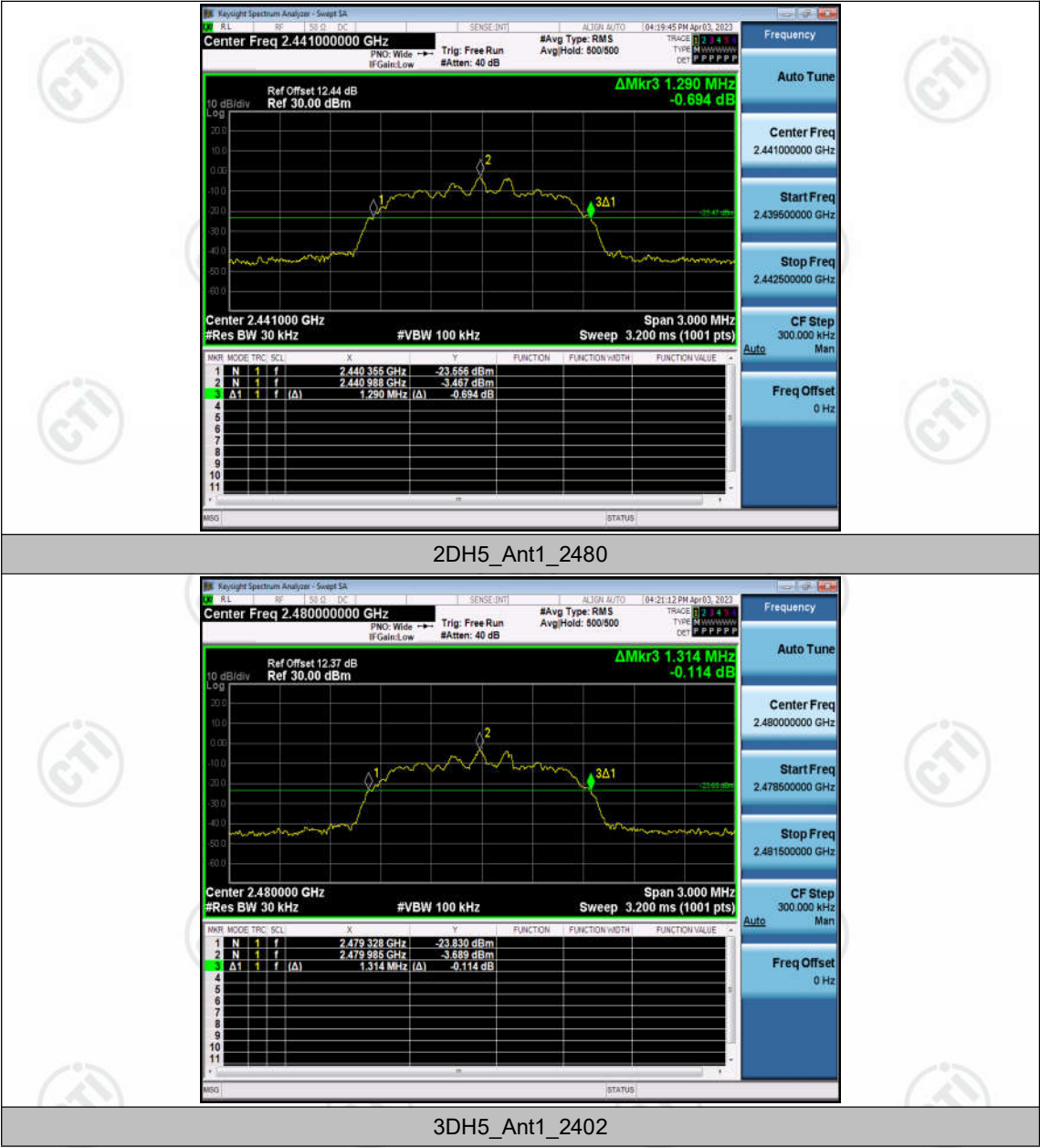
Test Result

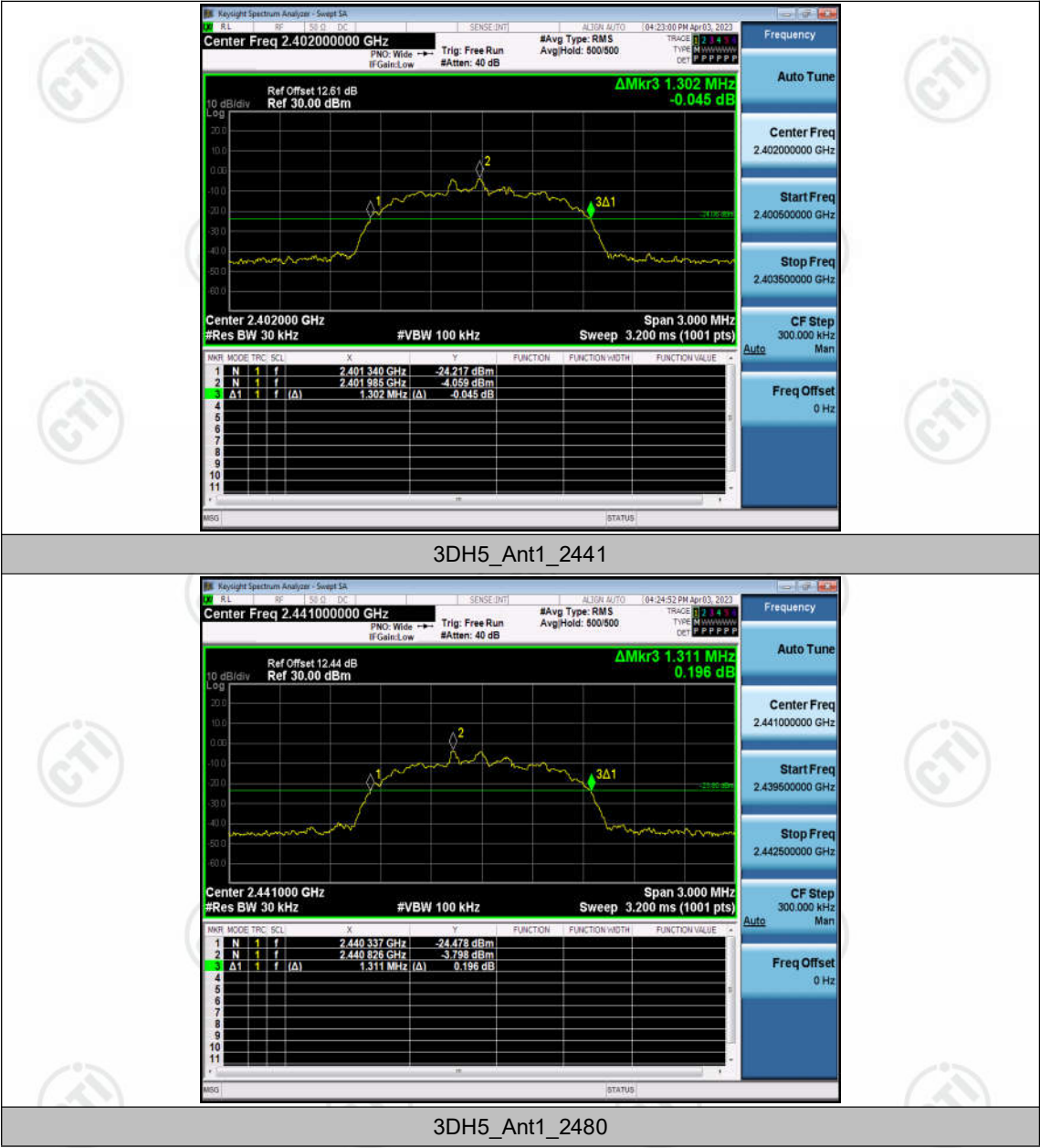
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.523	2402.477	---	---
		2441	0.960	2440.520	2441.480	---	---
		2480	0.960	2479.520	2480.480	---	---
2DH5	Ant1	2402	1.311	2401.334	2402.645	---	---
		2441	1.290	2440.355	2441.645	---	---
		2480	1.314	2479.328	2480.642	---	---
3DH5	Ant1	2402	1.302	2401.340	2402.642	---	---
		2441	1.311	2440.337	2441.648	---	---
		2480	1.308	2479.337	2480.645	---	---

Test Graphs









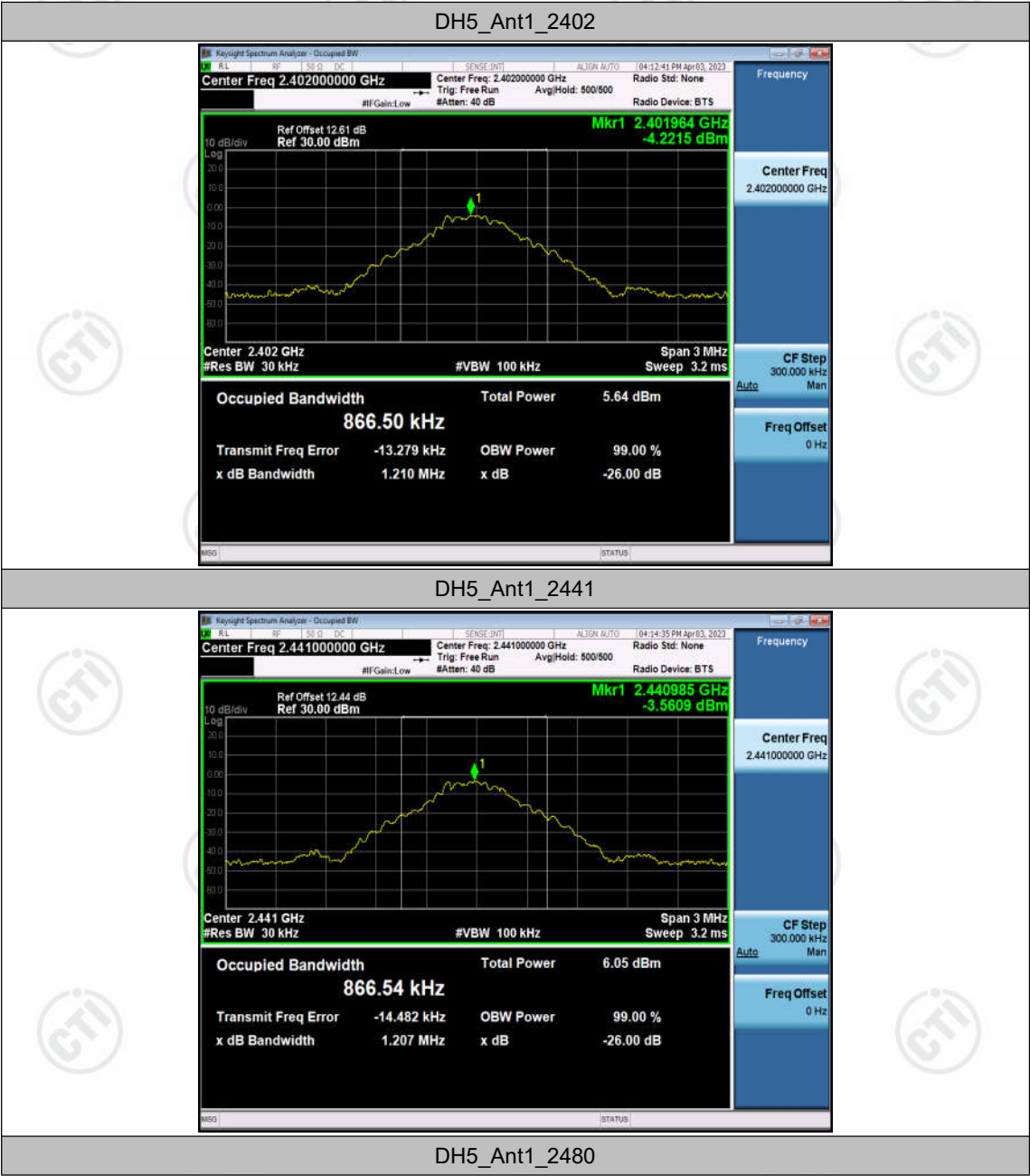


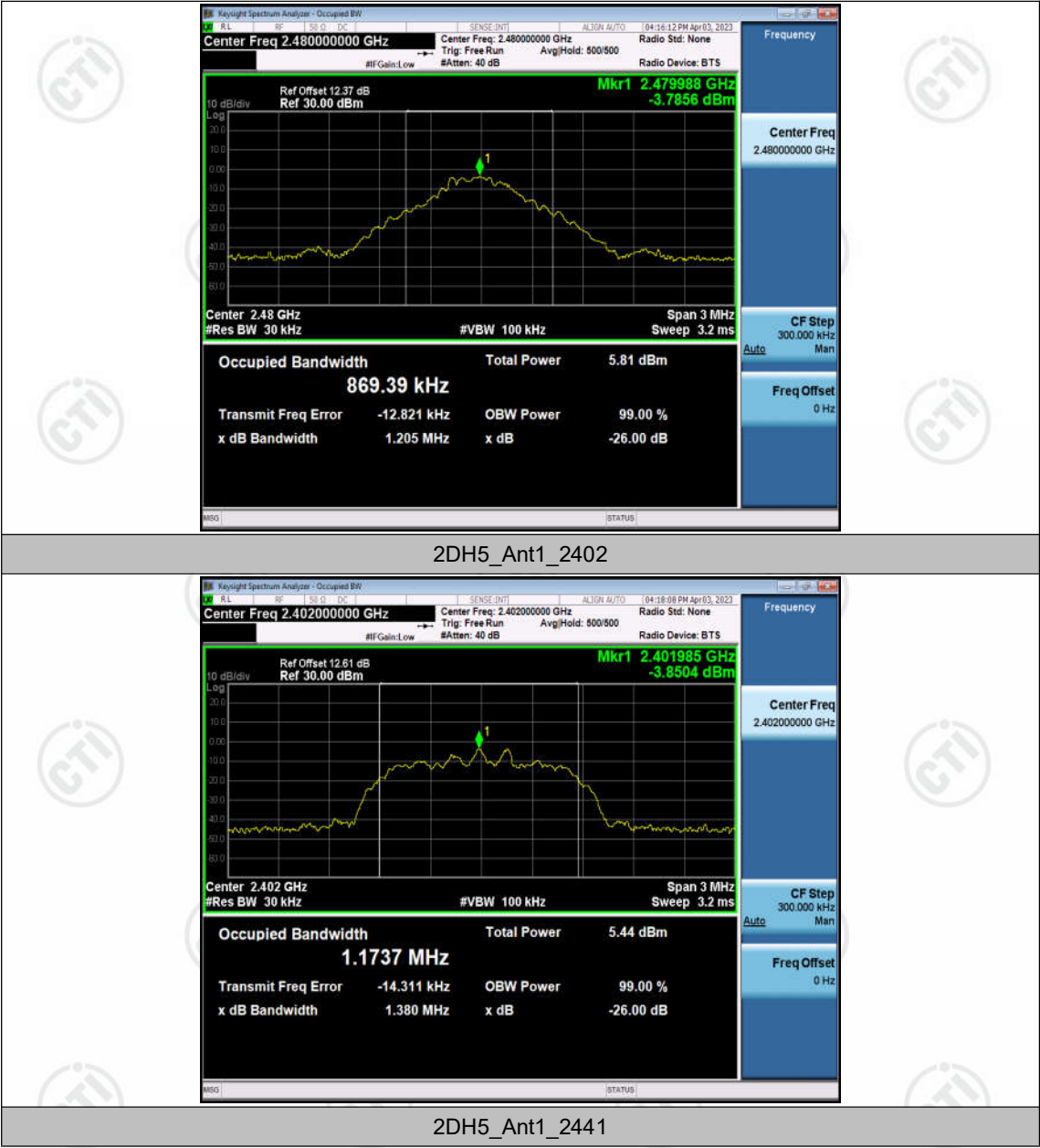
Appendix B: Occupied Channel Bandwidth

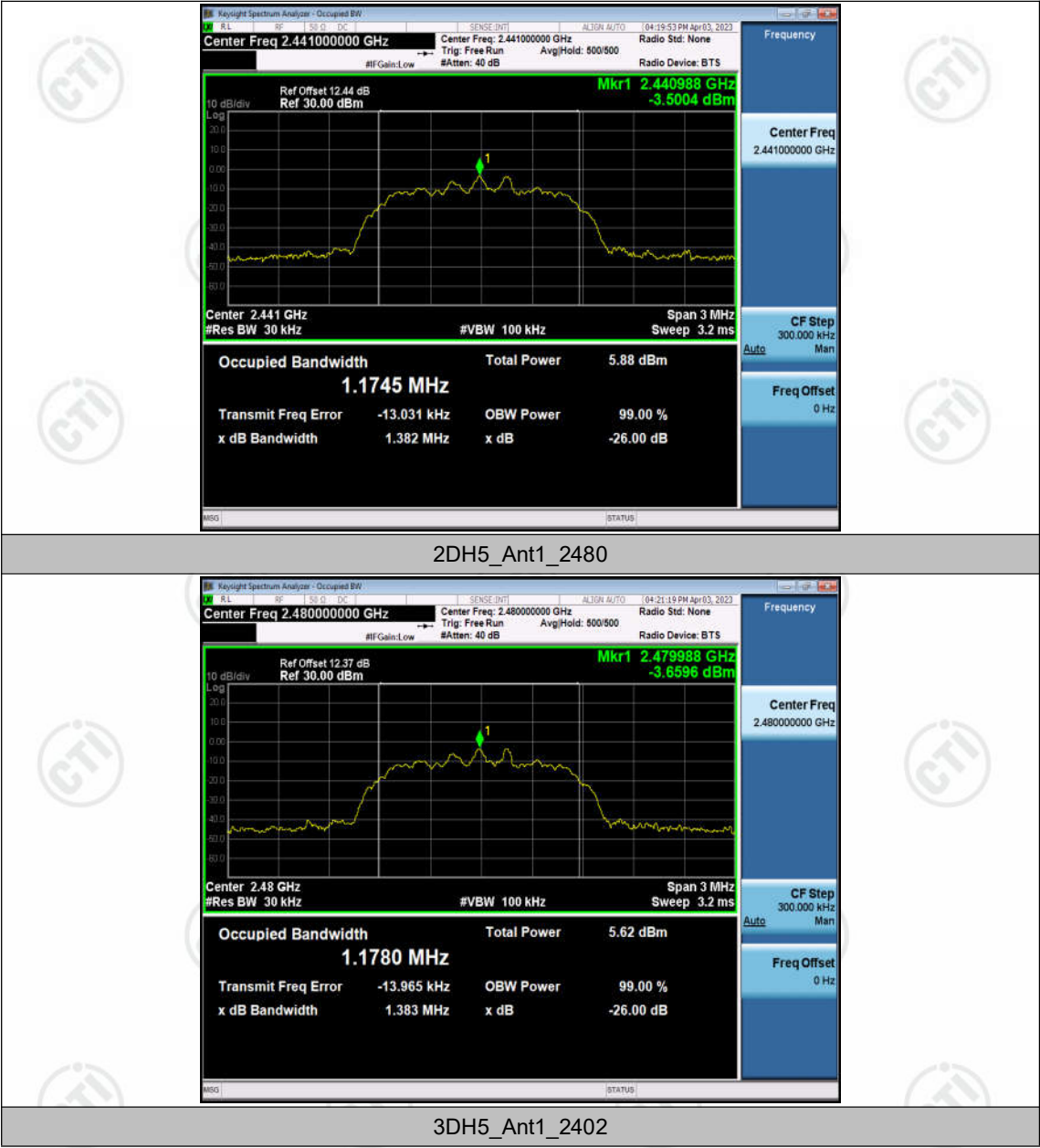
Test Result

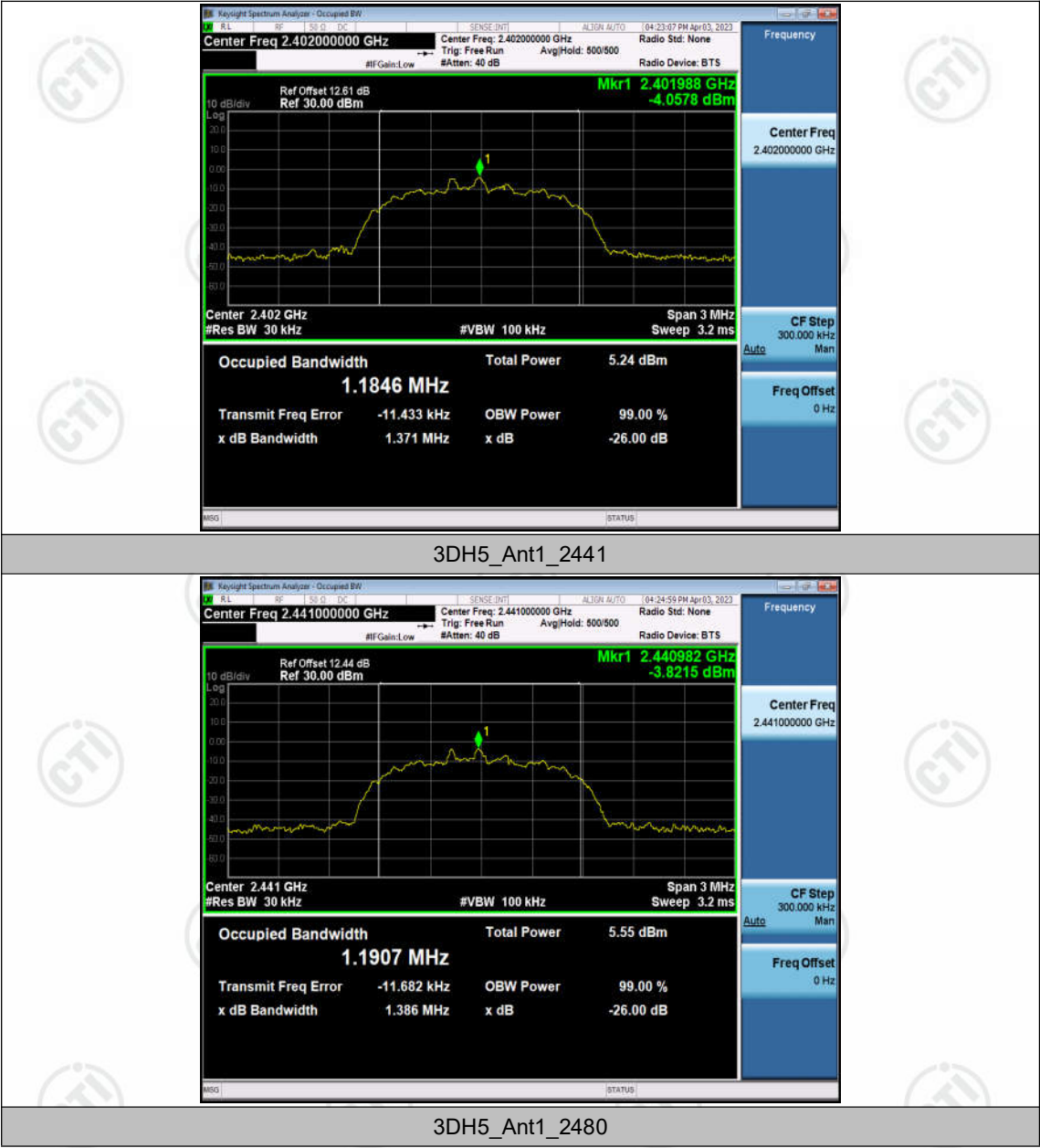
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86650	2401.55 35	2402.42 00	---	---
		2441	0.86654	2440.55 23	2441.41 88	---	---
		2480	0.86939	2479.55 25	2480.42 19	---	---
2DH5	Ant1	2402	1.1737	2401.39 88	2402.57 25	---	---
		2441	1.1745	2440.39 97	2441.57 42	---	---
		2480	1.1780	2479.39 70	2480.57 50	---	---
3DH5	Ant1	2402	1.1846	2401.39 63	2402.58 09	---	---
		2441	1.1907	2440.39 30	2441.58 37	---	---
		2480	1.1889	2479.39 38	2480.58 27	---	---

Test Graphs









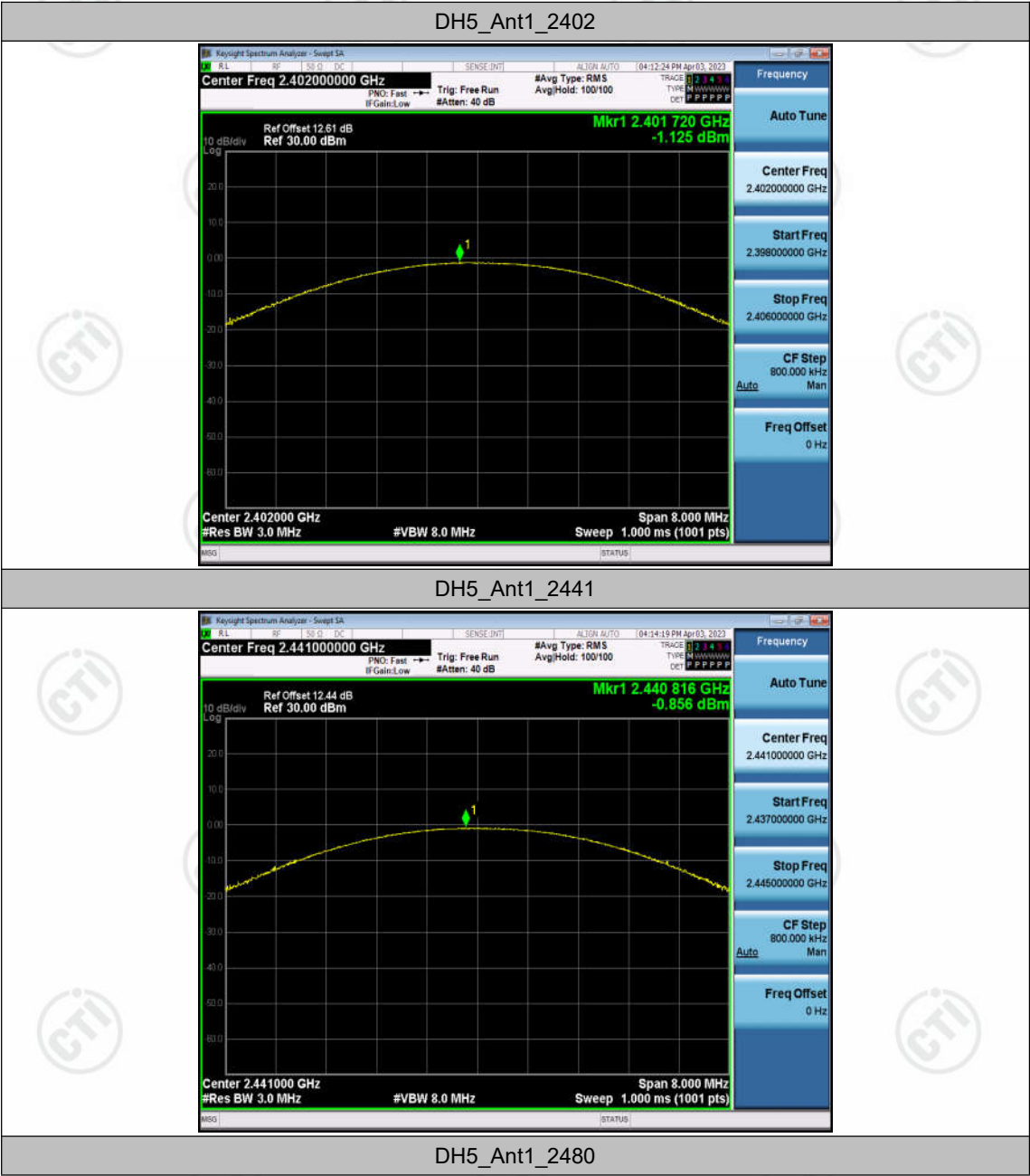


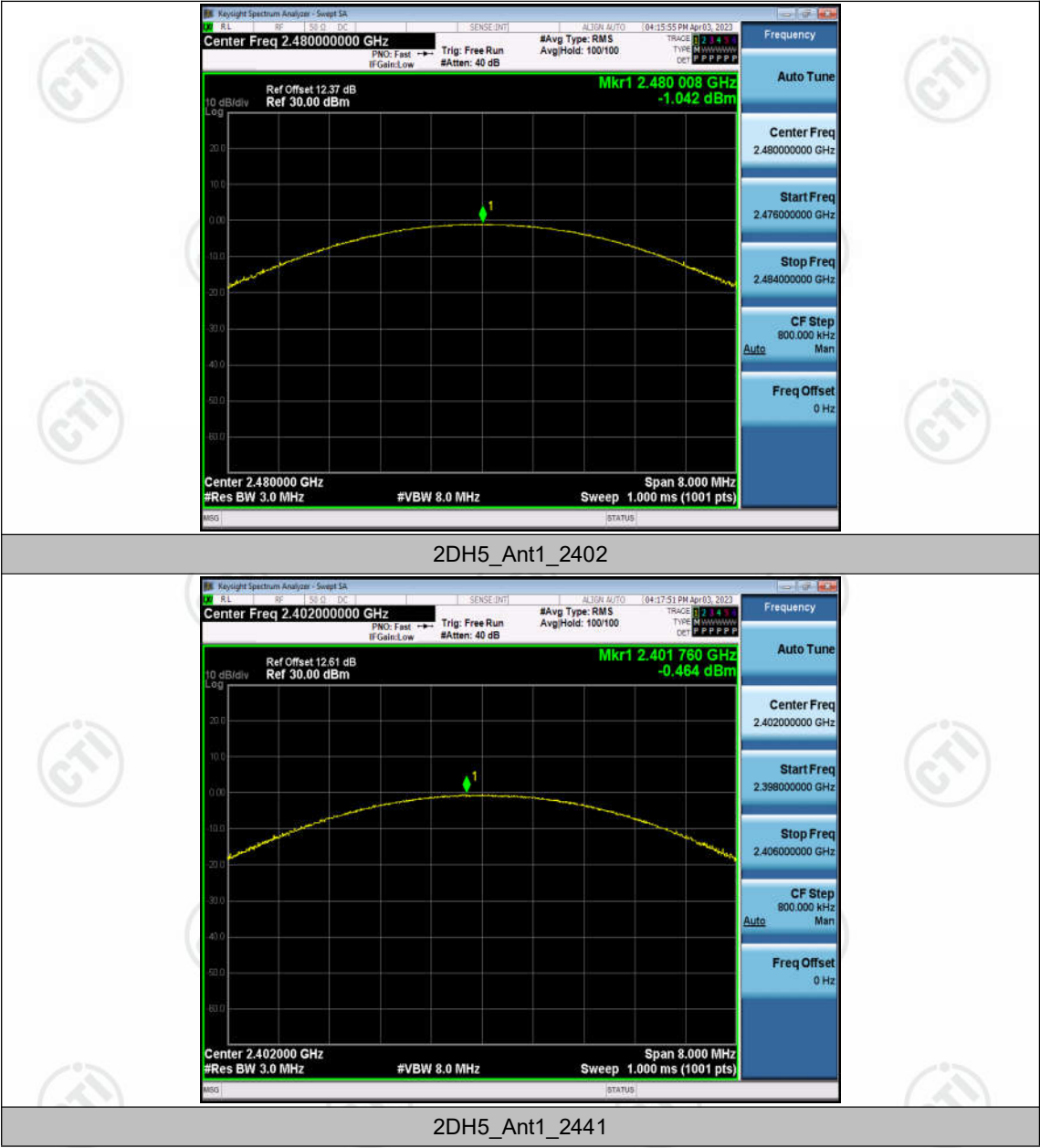
Appendix C: Maximum conducted output power

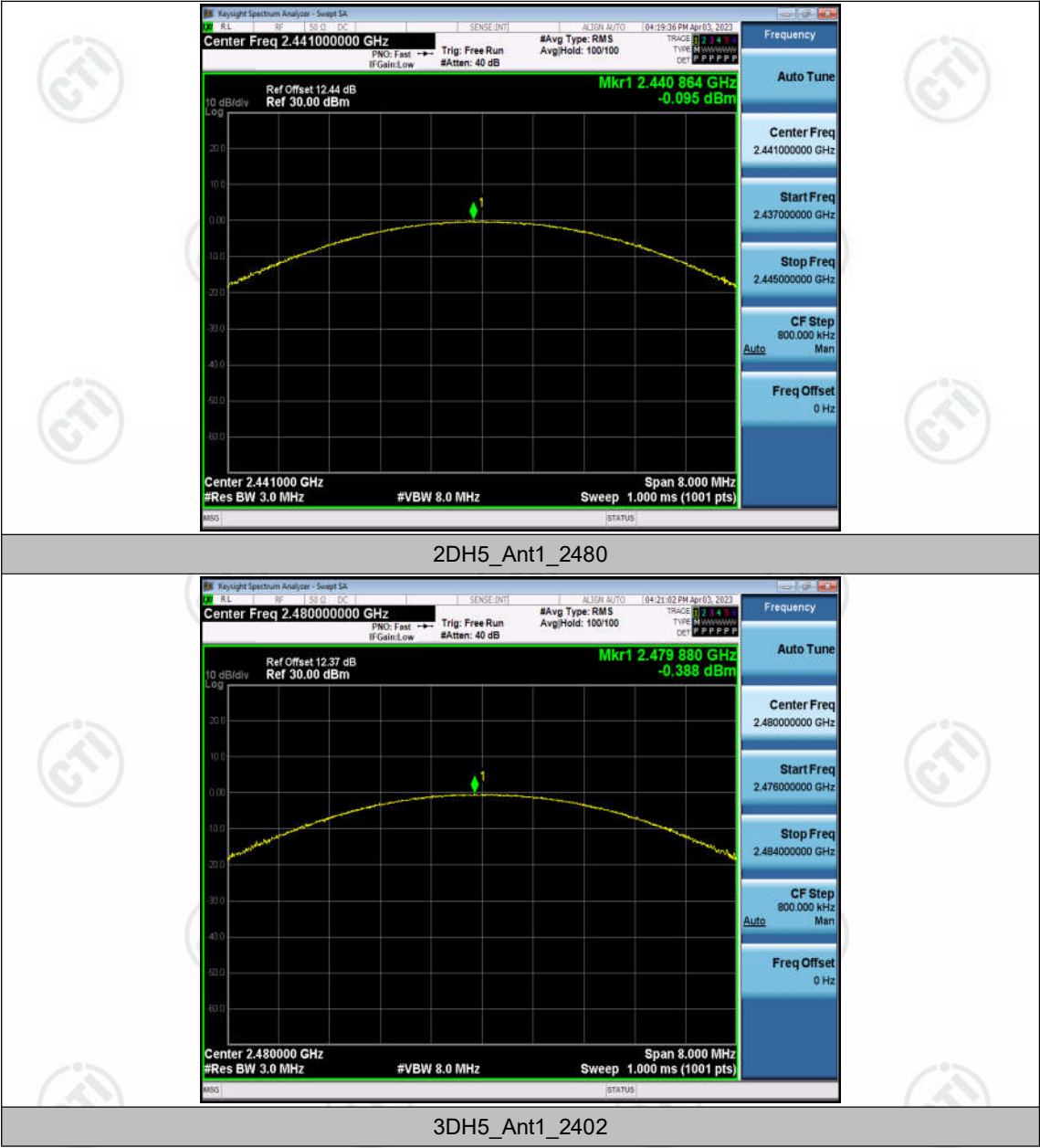
Test Result

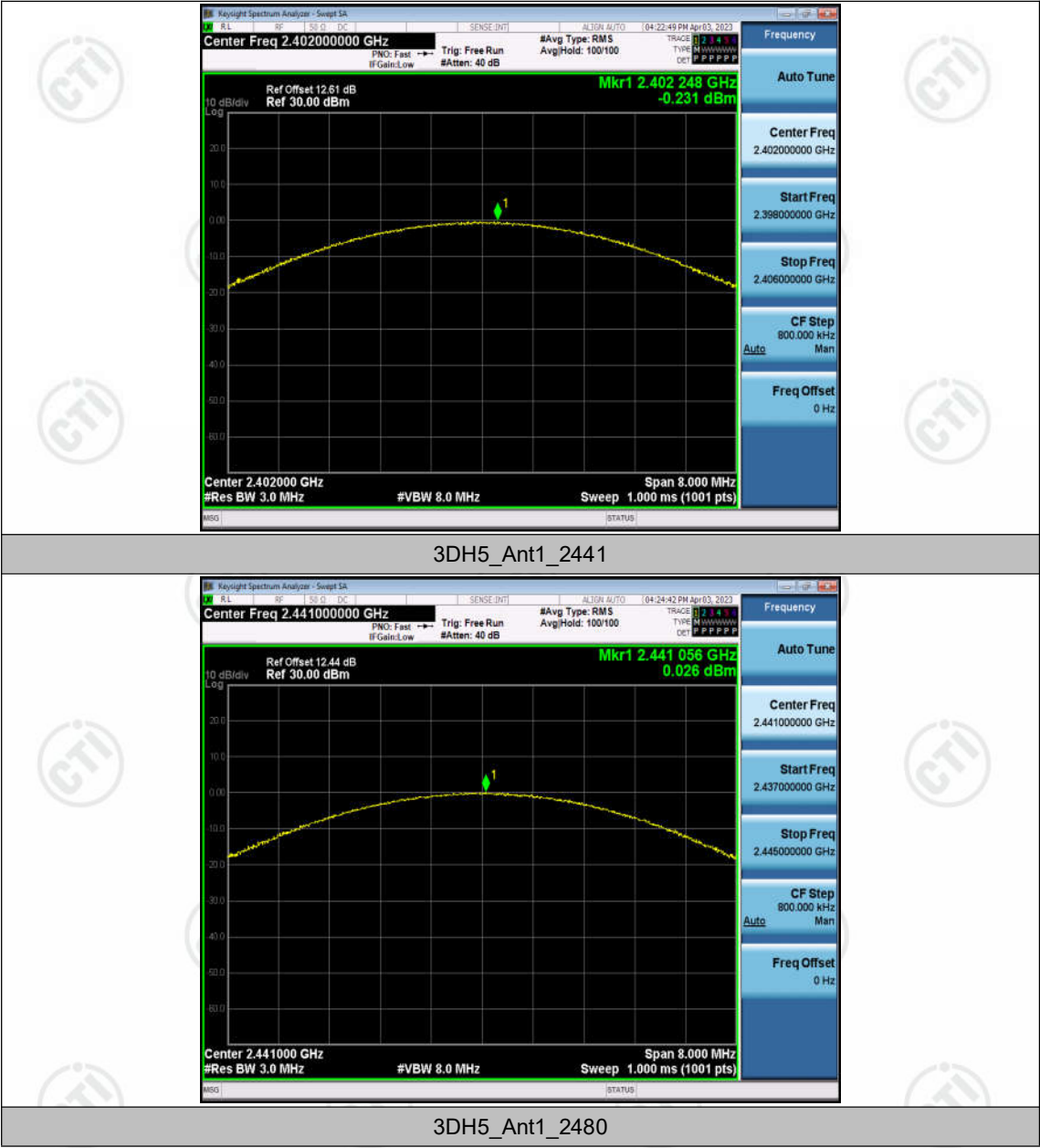
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.13	≤20.97	PASS
		2441	-0.86	≤20.97	PASS
		2480	-1.04	≤20.97	PASS
2DH5	Ant1	2402	-0.46	≤20.97	PASS
		2441	-0.1	≤20.97	PASS
		2480	-0.39	≤20.97	PASS
3DH5	Ant1	2402	-0.23	≤20.97	PASS
		2441	0.03	≤20.97	PASS
		2480	-0.13	≤20.97	PASS

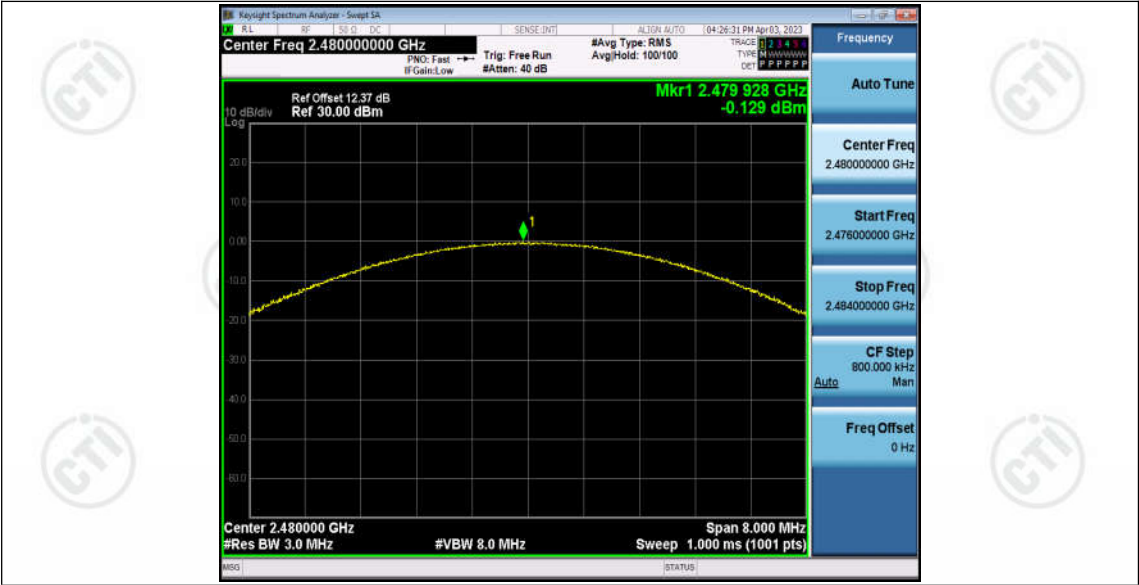
Test Graphs









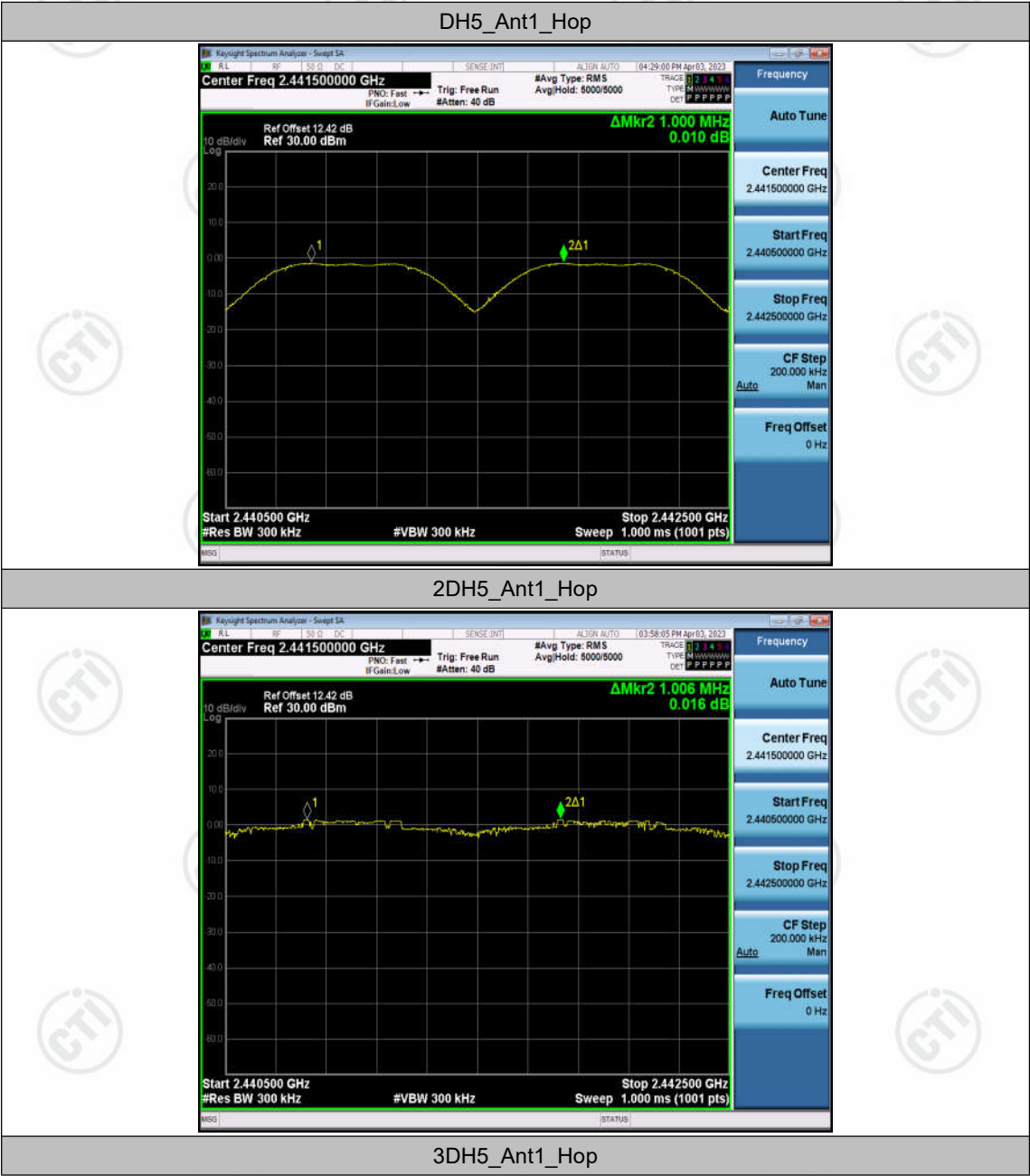


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥0.960	PASS
2DH5	Ant1	Hop	1.006	≥0.025	PASS
3DH5	Ant1	Hop	1.02	≥0.025	PASS

Test Graphs



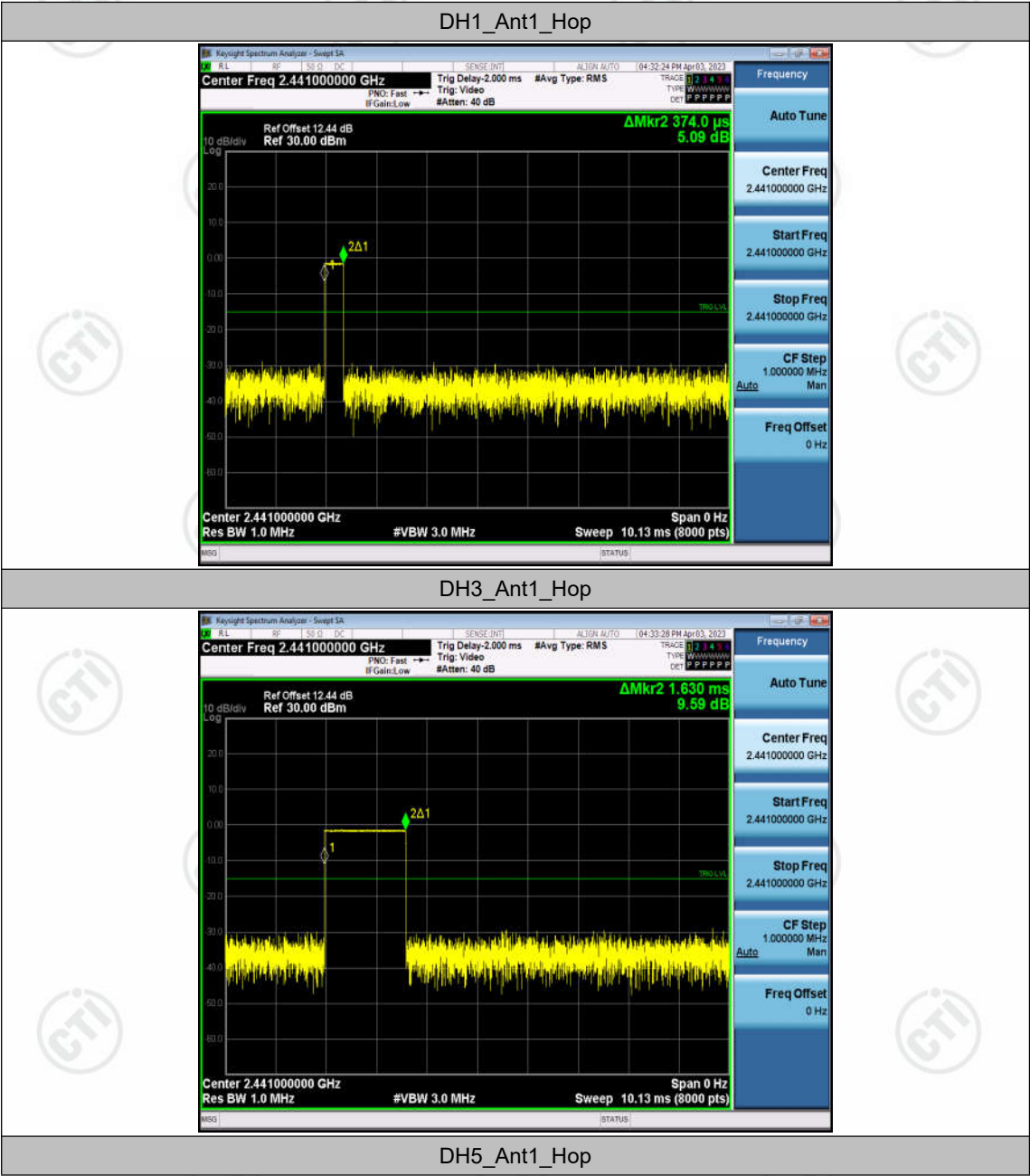


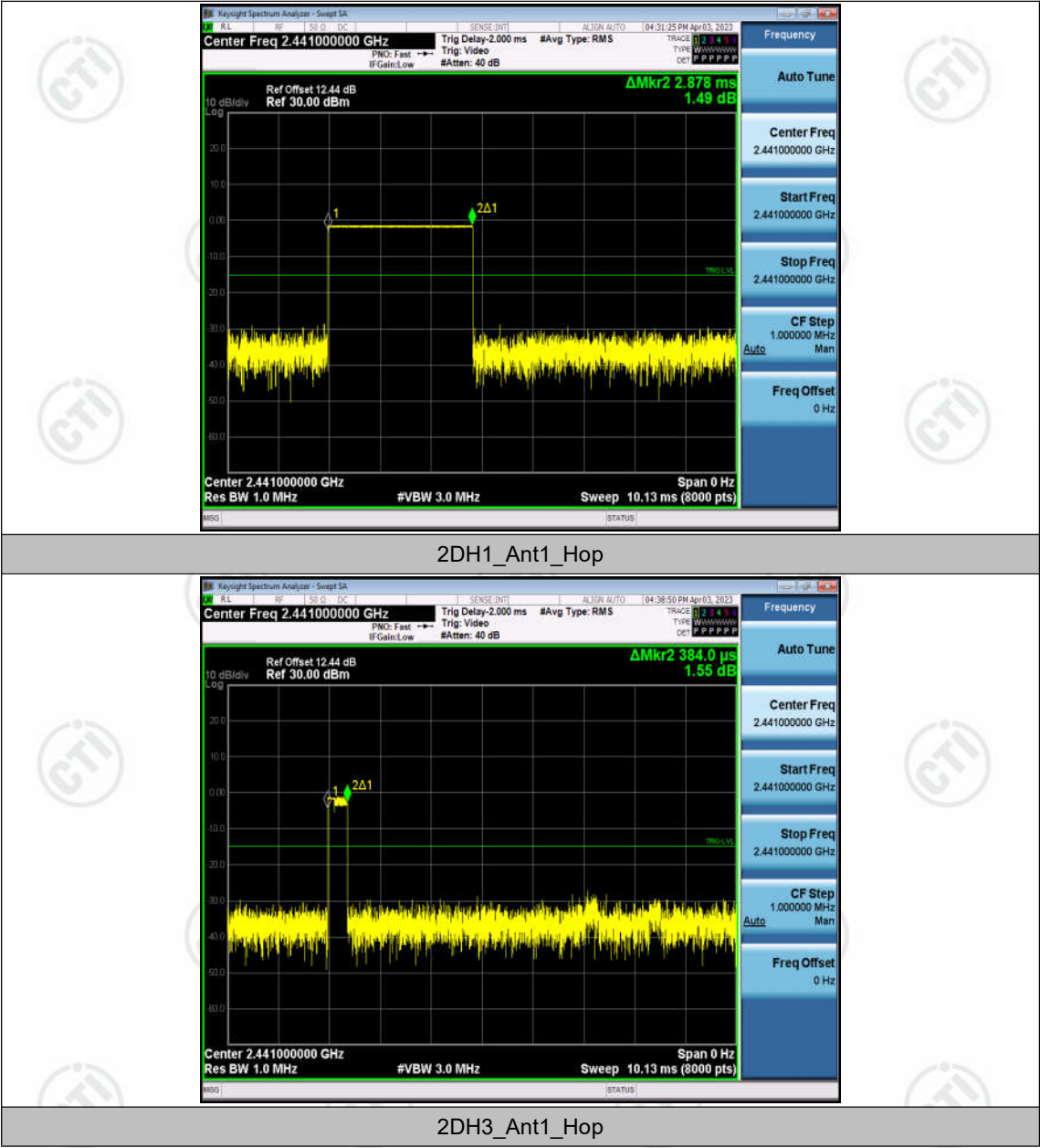
Appendix E: Time of occupancy

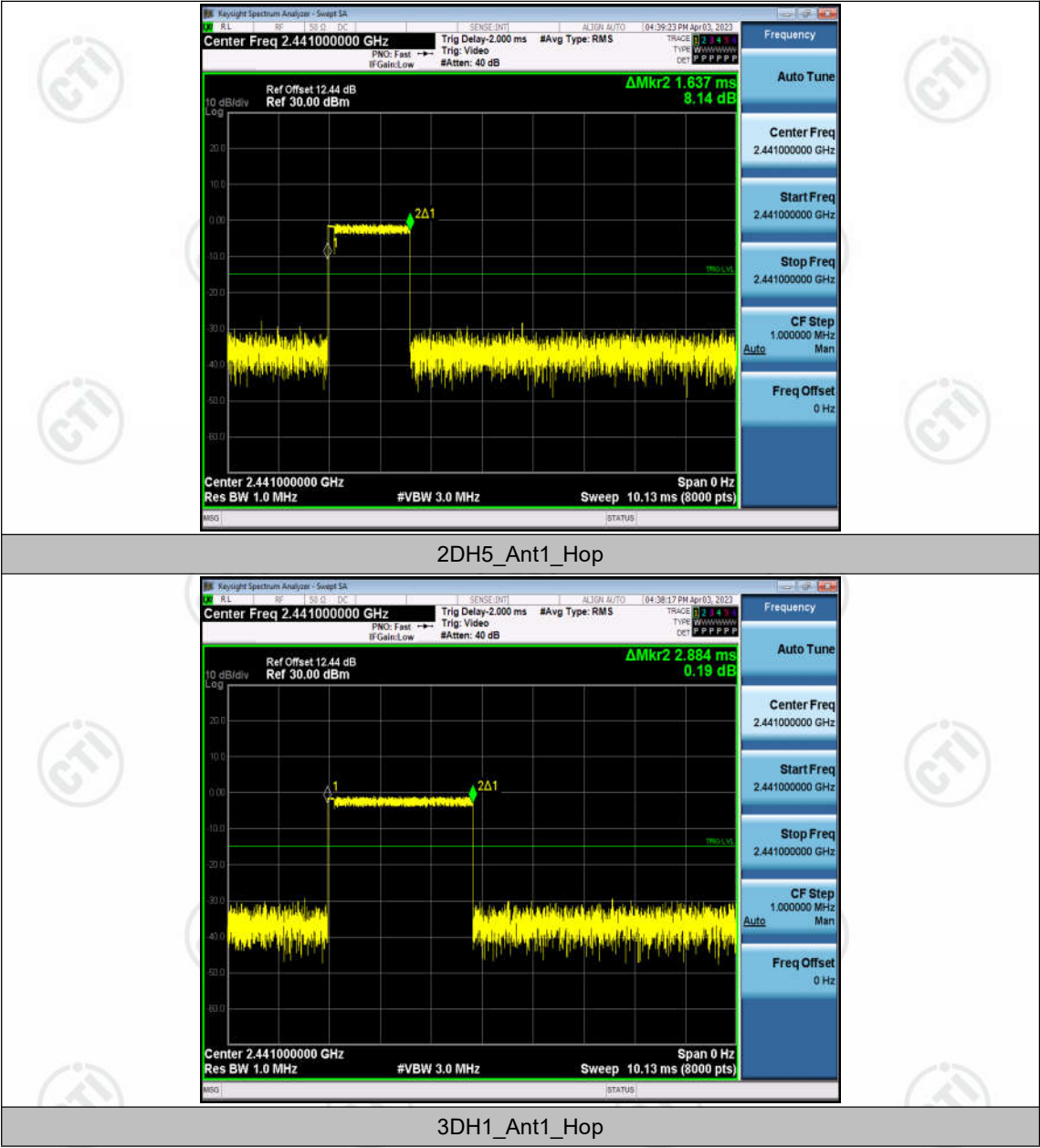
Test Result

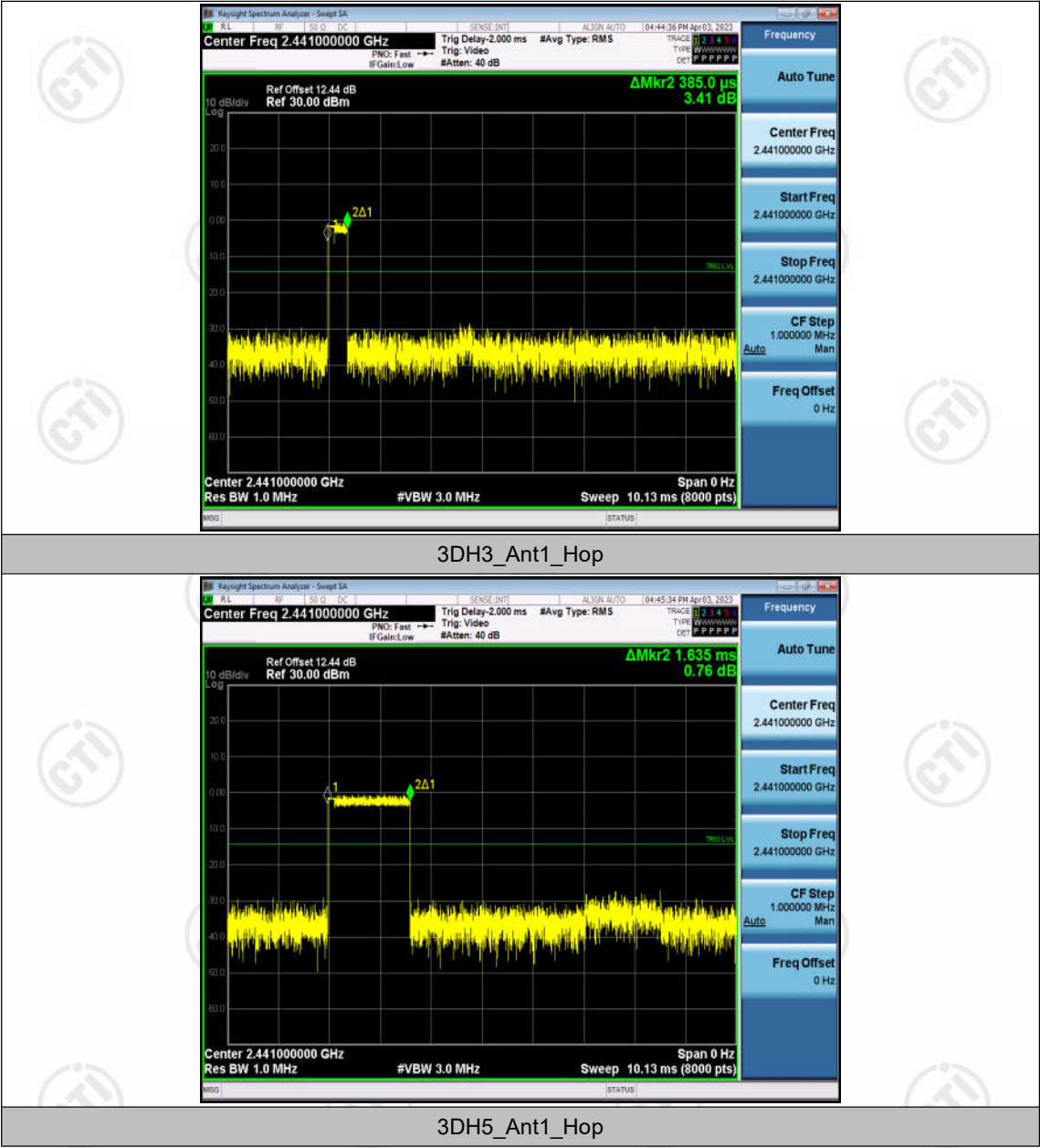
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.630	160	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.878	106.67	0.307	≤0.4	PASS
2DH1	Ant1	Hop	0.384	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.637	160	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.635	160	0.262	≤0.4	PASS
3DH5	Ant1	Hop	2.887	106.67	0.308	≤0.4	PASS

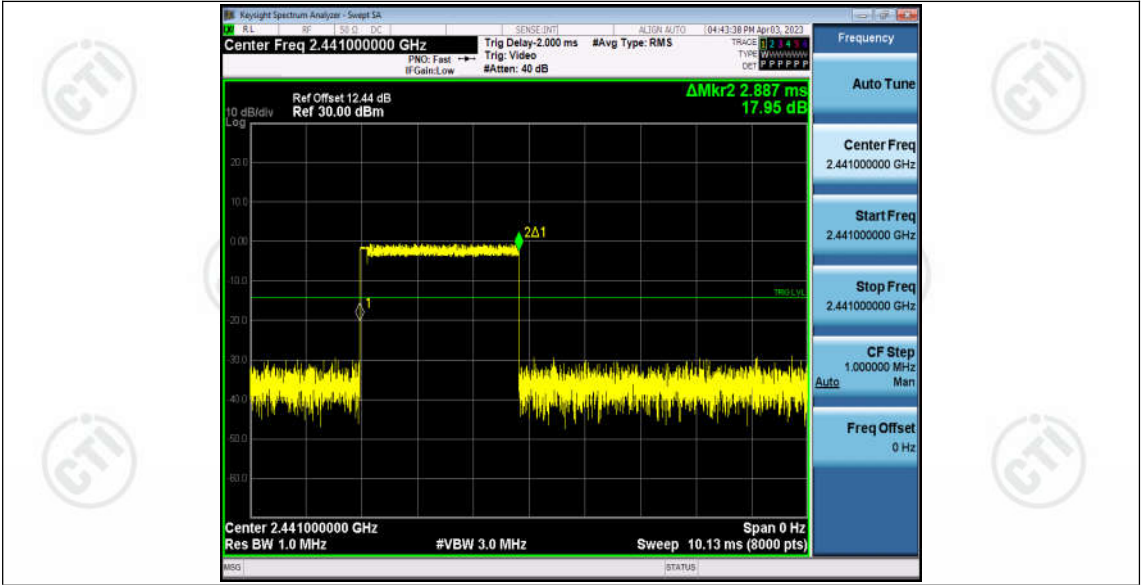
Test Graphs









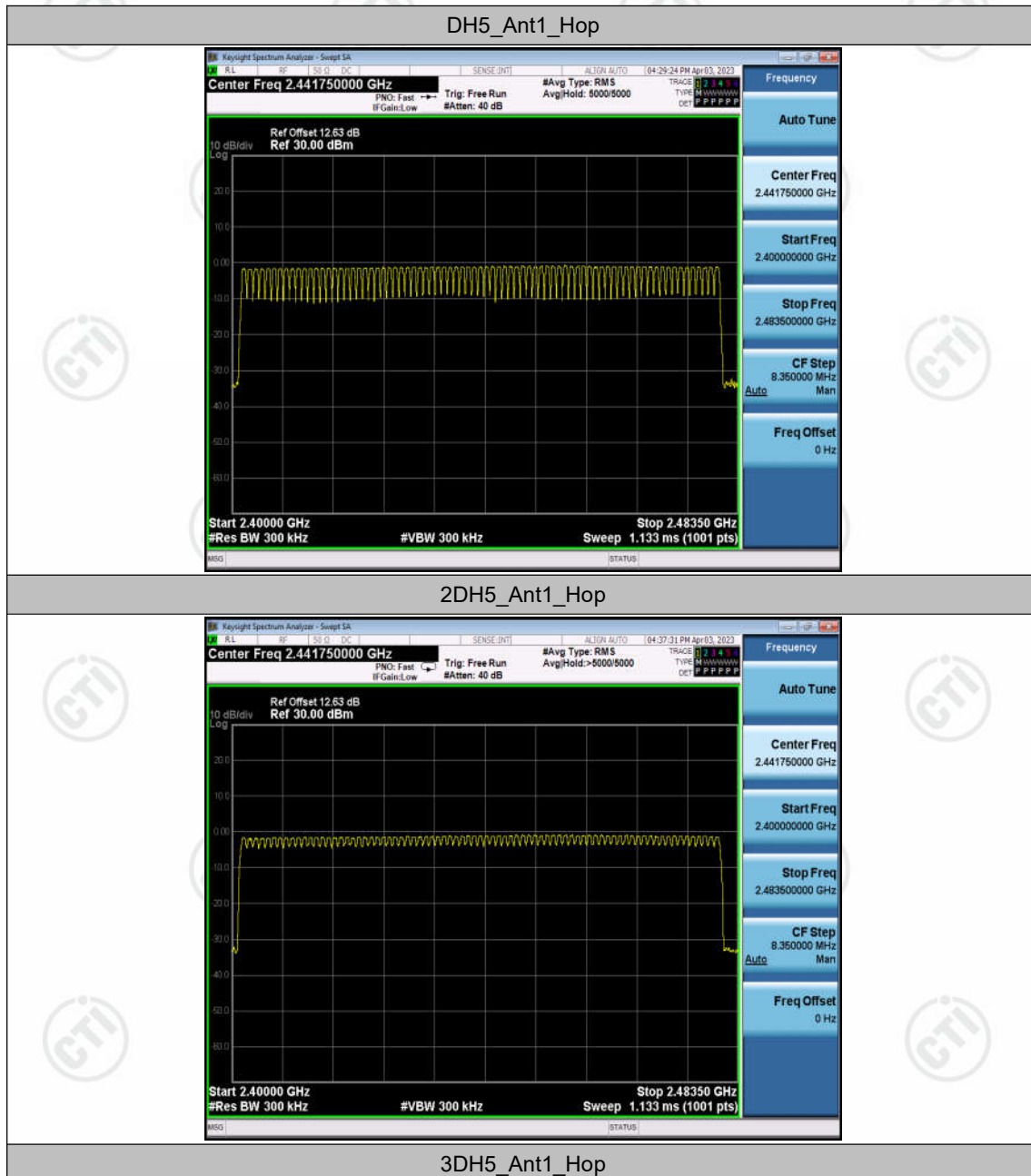


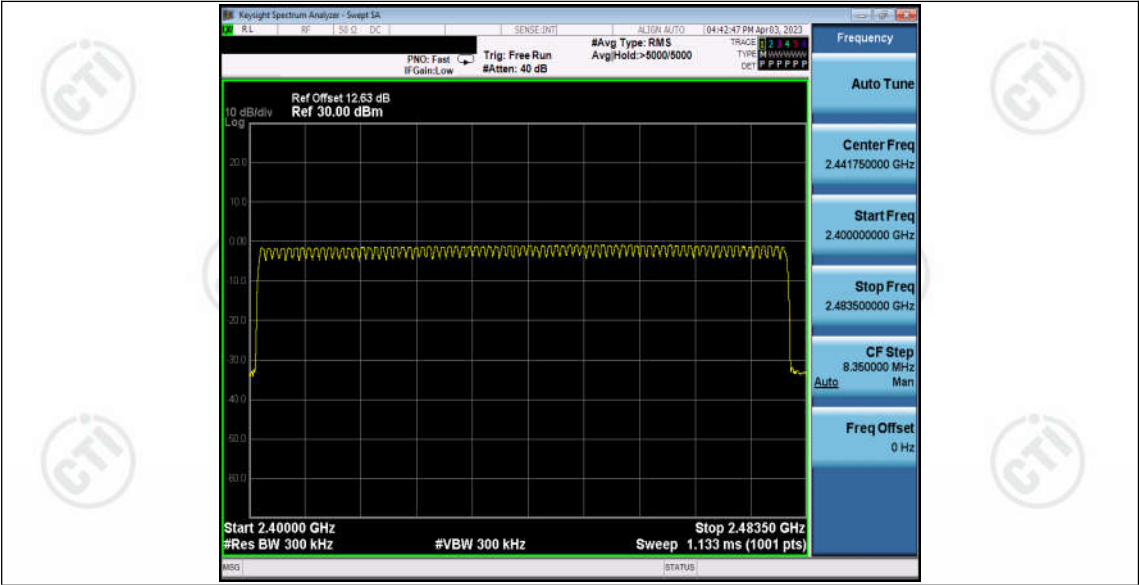
Appendix F: Number of hopping channels

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





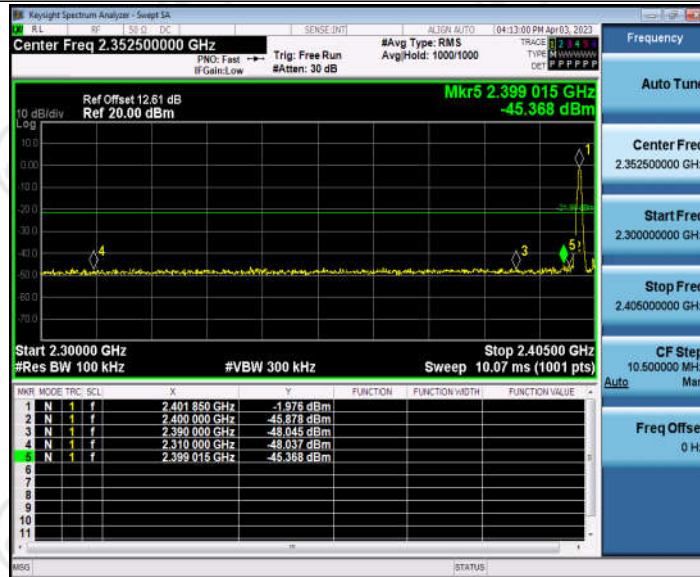
Appendix G: Band edge measurements

Test Result

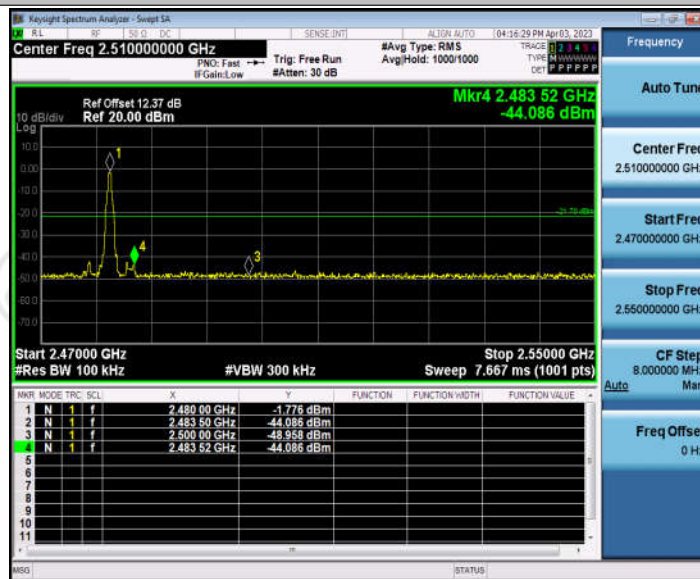
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.98	-45.37	≤-21.98	PASS
		High	2480	-1.78	-44.09	≤-21.78	PASS
		Low	Hop_2402	-2.25	-46.17	≤-22.25	PASS
		High	Hop_2480	-1.99	-46.41	≤-21.99	PASS
2DH5	Ant1	Low	2402	-1.86	-46.26	≤-21.86	PASS
		High	2480	-1.91	-45.44	≤-21.91	PASS
		Low	Hop_2402	-3.81	-46.69	≤-23.81	PASS
		High	Hop_2480	-2.26	-46.81	≤-22.26	PASS
3DH5	Ant1	Low	2402	-1.92	-45.6	≤-21.92	PASS
		High	2480	-1.69	-44.93	≤-21.69	PASS
		Low	Hop_2402	-3.11	-46.67	≤-23.11	PASS
		High	Hop_2480	-2.80	-47.09	≤-22.8	PASS

Test Graphs

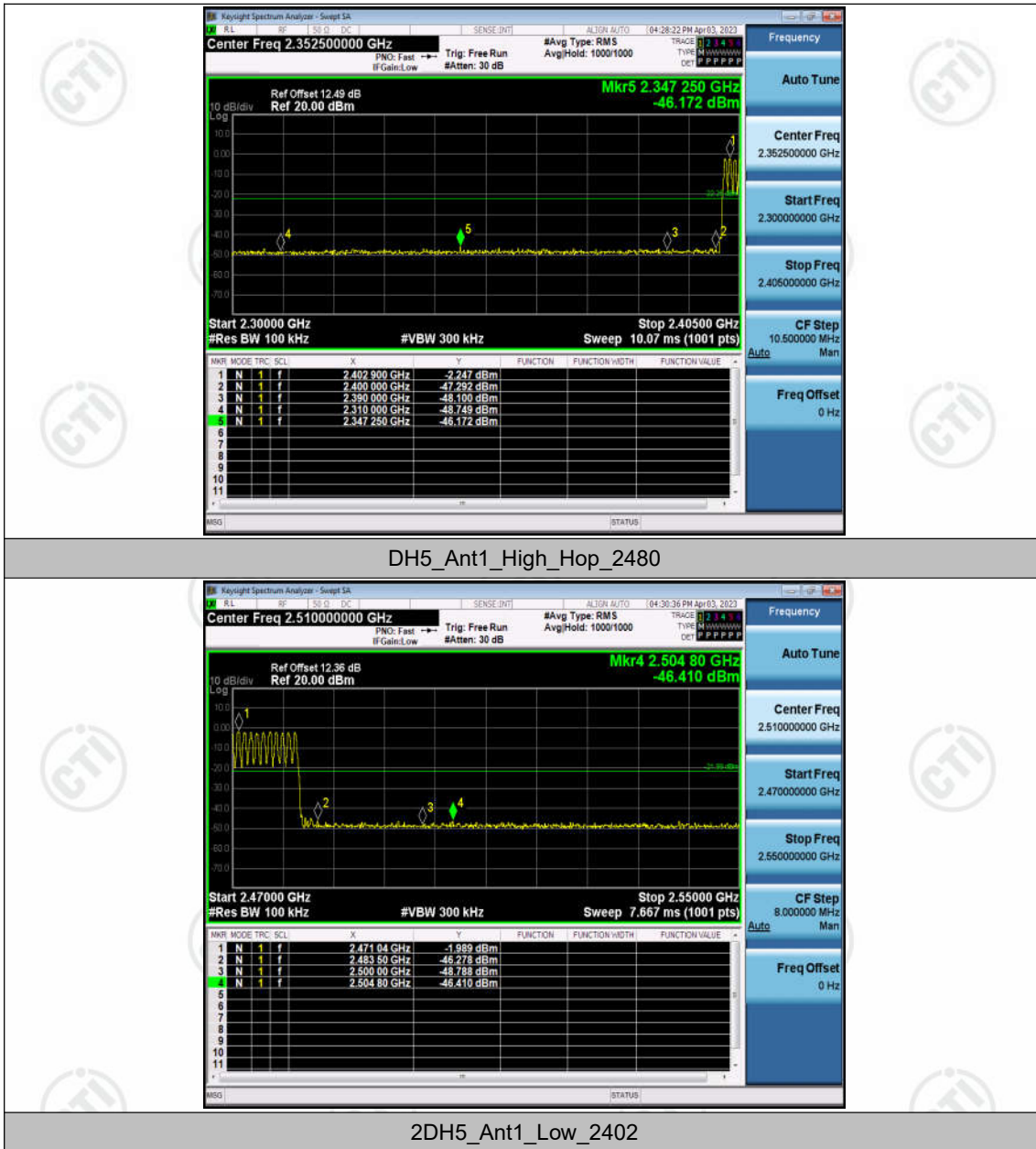
DH5_Ant1_Low_2402

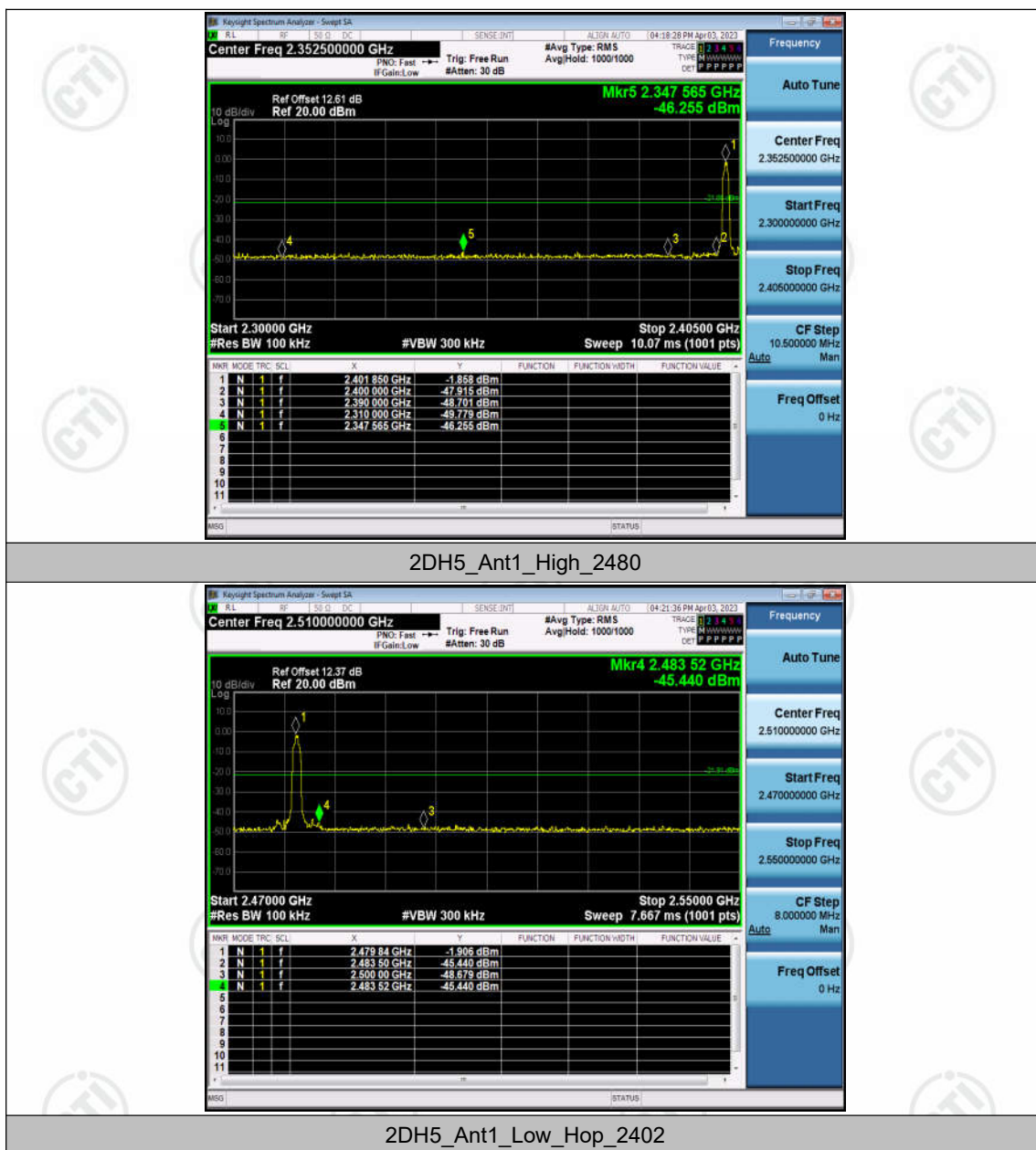


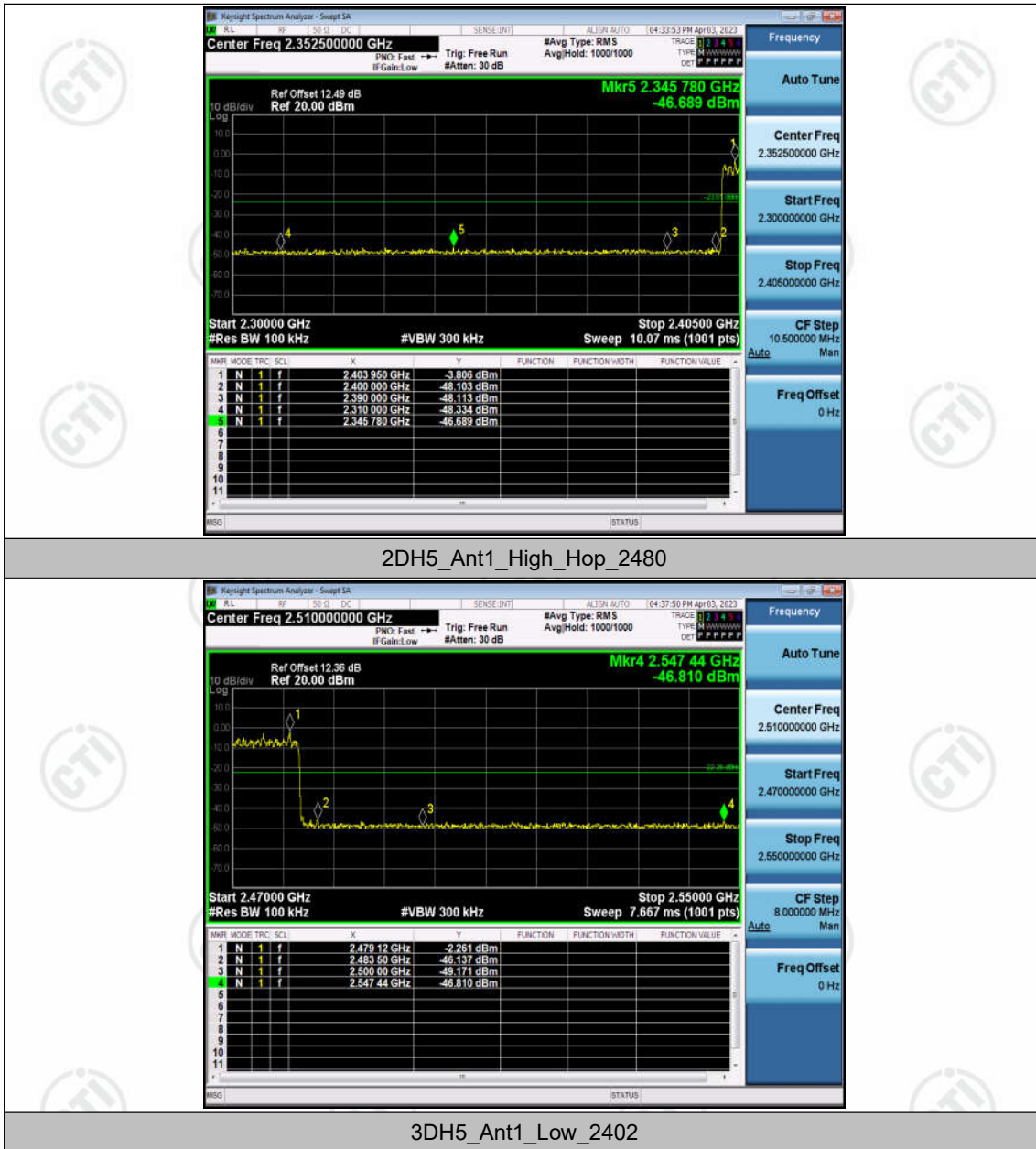
DH5_Ant1_High_2480

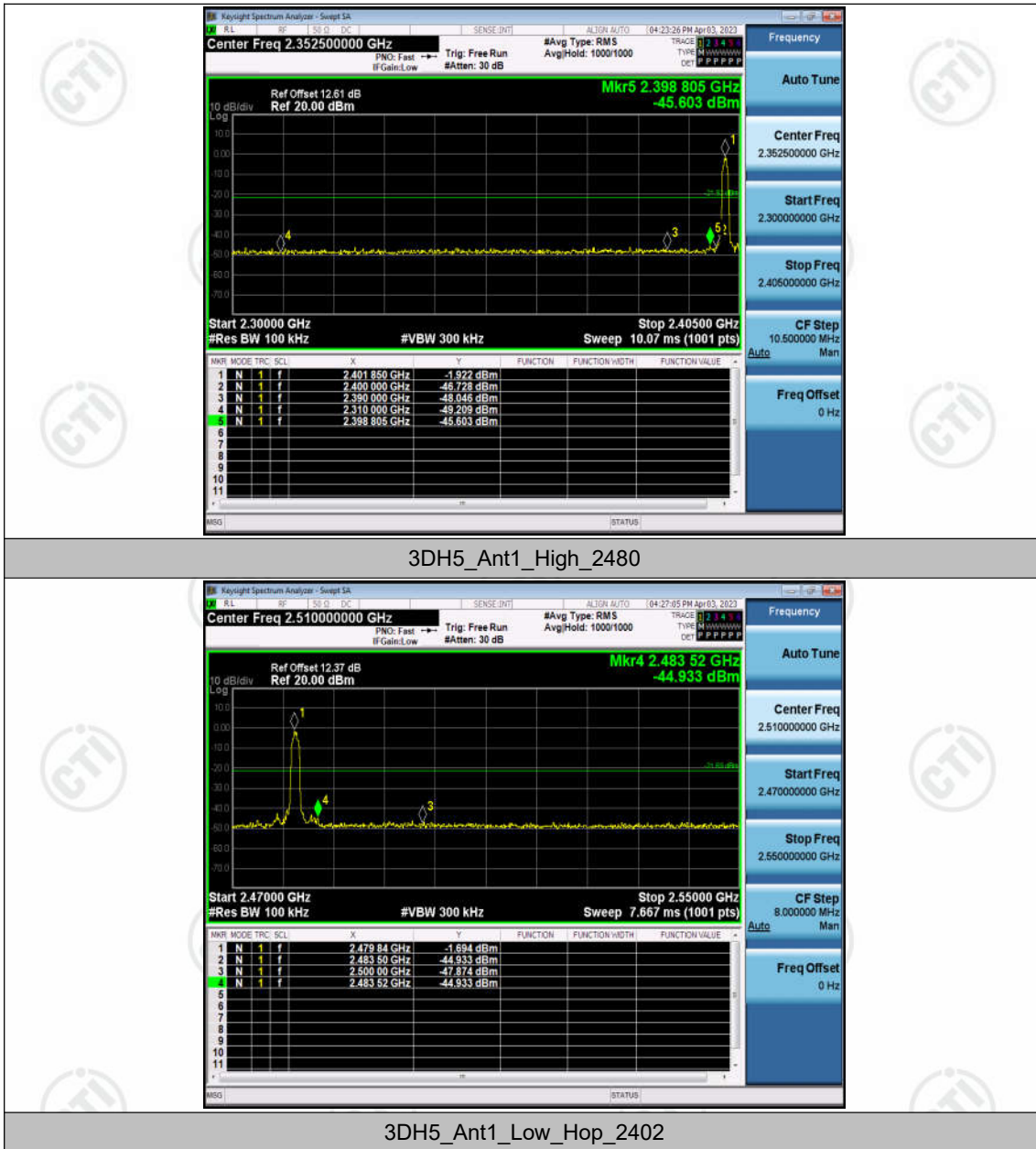


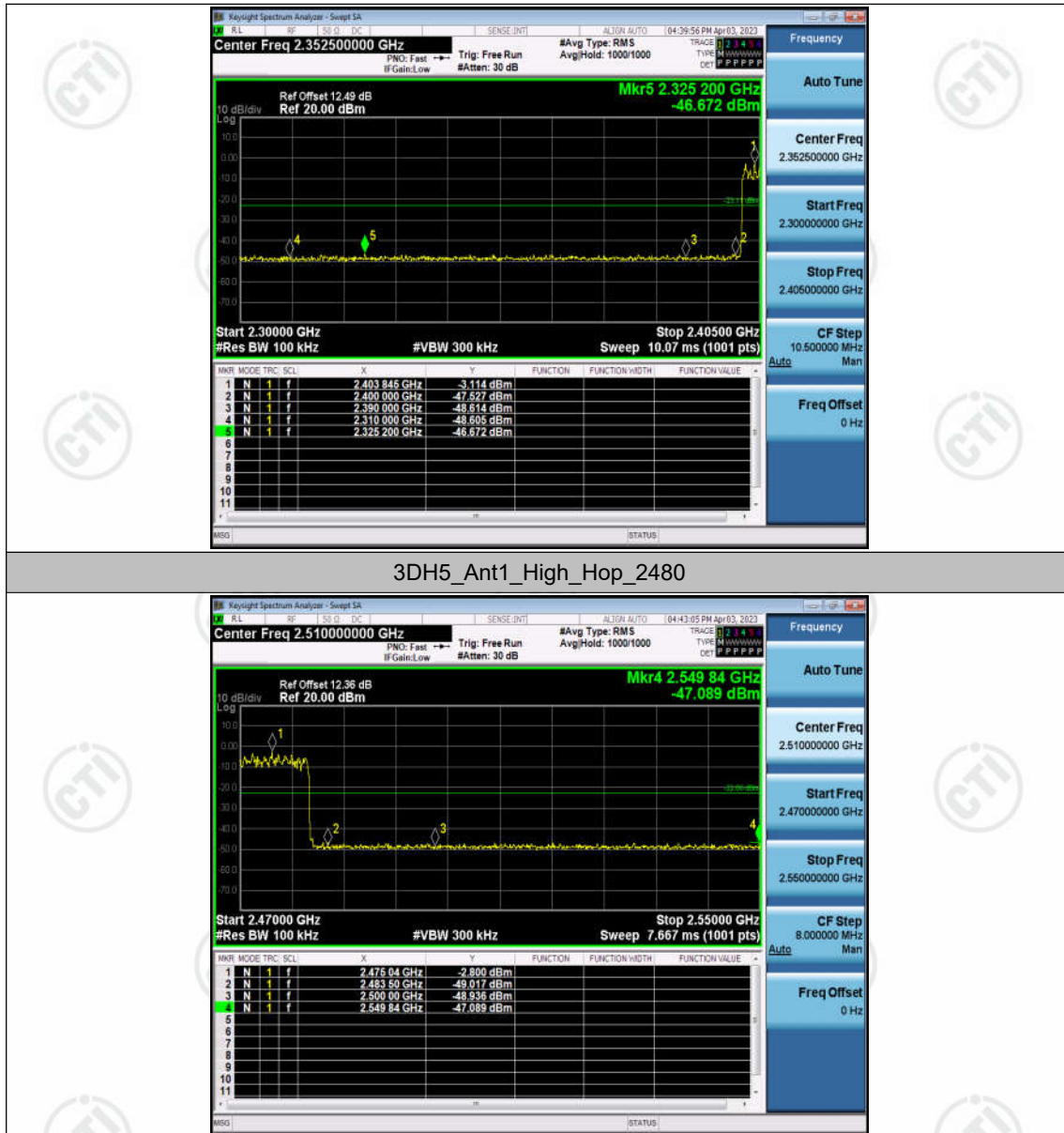
DH5_Ant1_Low_Hop_2402









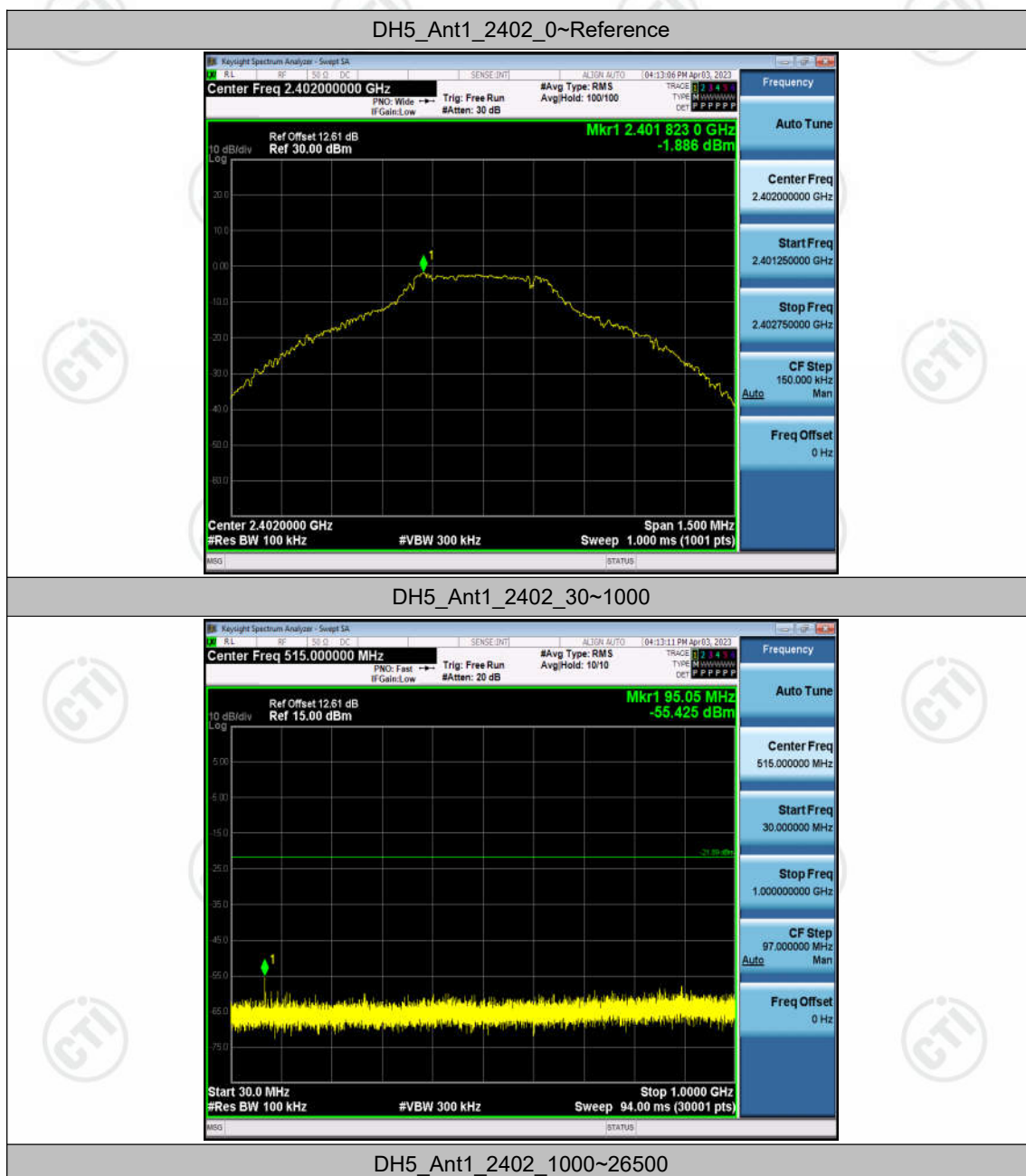


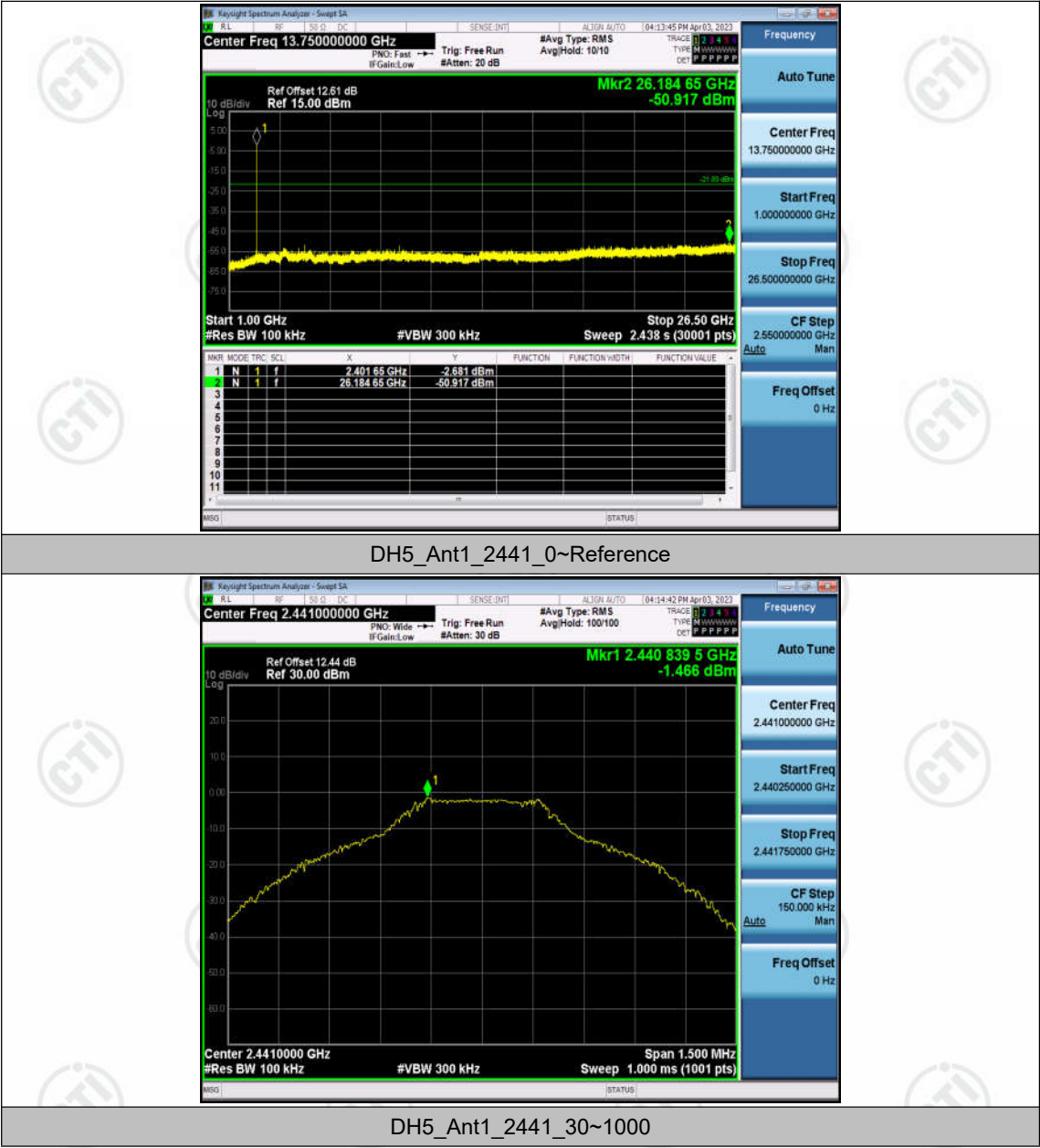
Appendix H: Conducted Spurious Emission

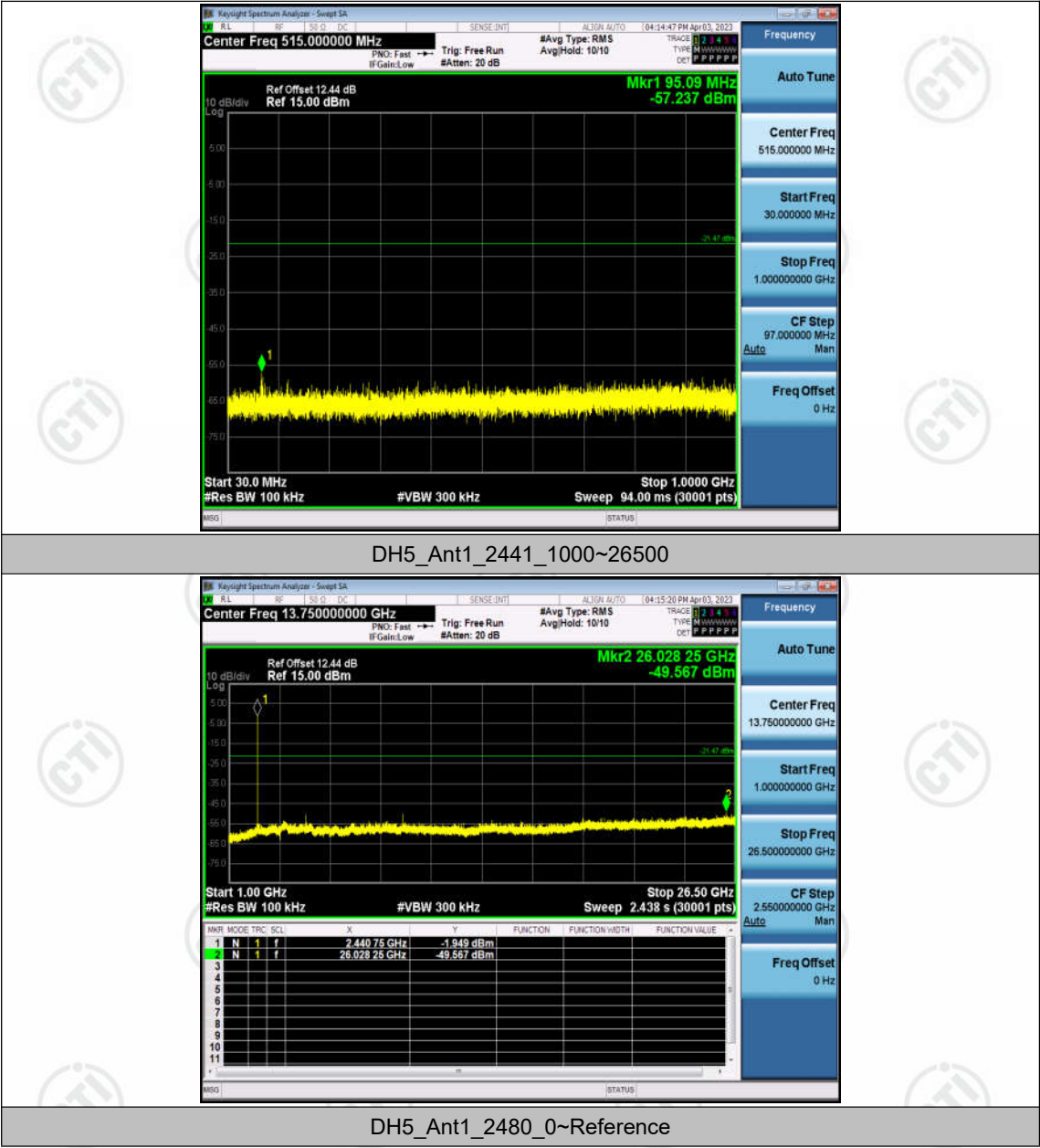
Test Result

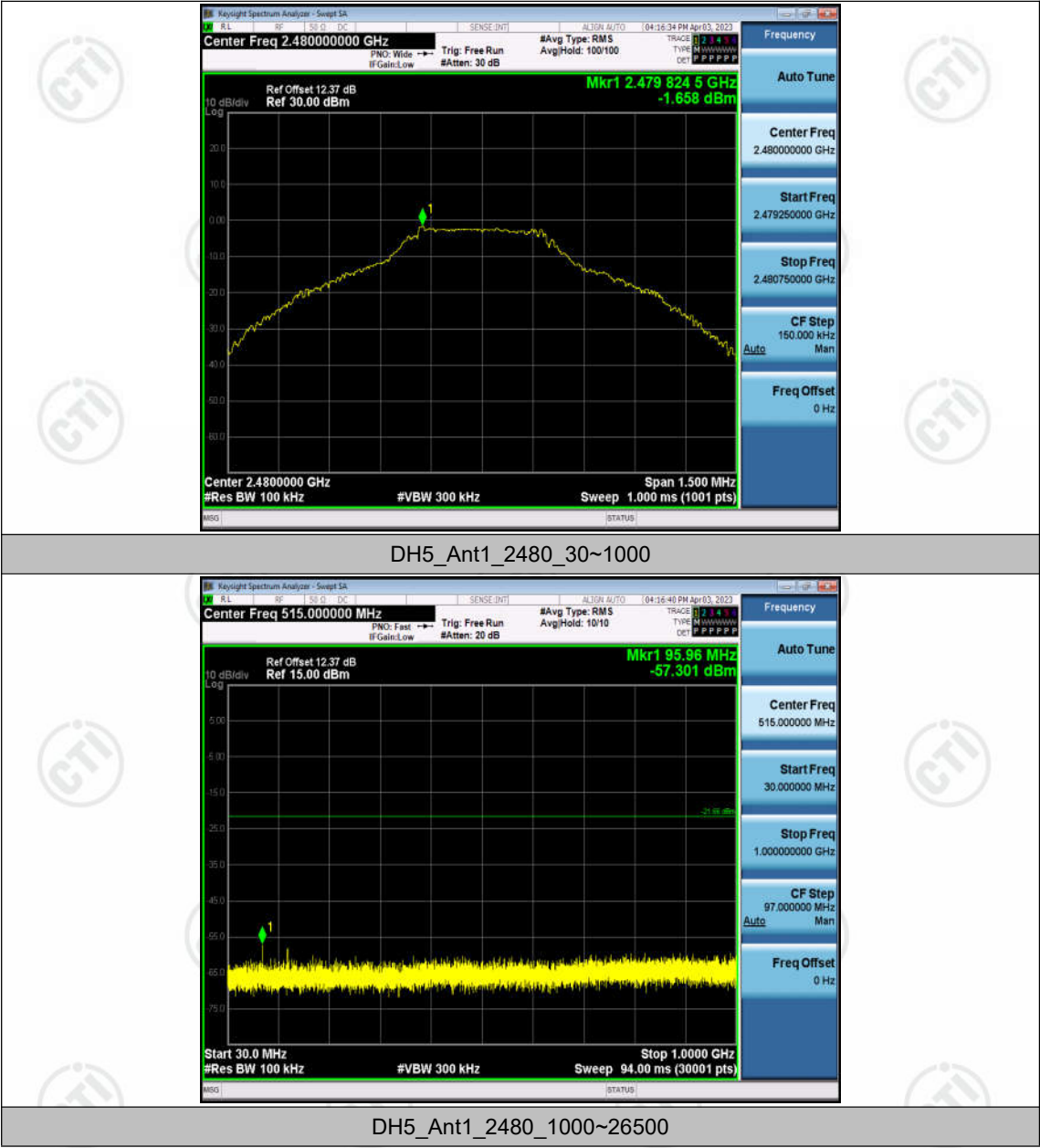
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.89	-1.89	---	PASS
			30~1000	-1.89	-55.43	≤-21.89	PASS
			1000~26500	-1.89	-50.92	≤-21.89	PASS
		2441	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-57.24	≤-21.47	PASS
			1000~26500	-1.47	-49.57	≤-21.47	PASS
		2480	Reference	-1.66	-1.66	---	PASS
			30~1000	-1.66	-57.3	≤-21.66	PASS
			1000~26500	-1.66	-48.8	≤-21.66	PASS
2DH5	Ant1	2402	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-51.89	≤-22.08	PASS
			1000~26500	-2.08	-50.54	≤-22.08	PASS
		2441	Reference	-1.43	-1.43	---	PASS
			30~1000	-1.43	-56.45	≤-21.43	PASS
			1000~26500	-1.43	-50.2	≤-21.43	PASS
		2480	Reference	-1.95	-1.95	---	PASS
			30~1000	-1.95	-56.54	≤-21.95	PASS
			1000~26500	-1.95	-49.12	≤-21.95	PASS
3DH5	Ant1	2402	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-55.02	≤-21.99	PASS
			1000~26500	-1.99	-50.83	≤-21.99	PASS
		2441	Reference	-1.46	-1.46	---	PASS
			30~1000	-1.46	-55.48	≤-21.46	PASS
			1000~26500	-1.46	-49.47	≤-21.46	PASS
		2480	Reference	-1.74	-1.74	---	PASS
			30~1000	-1.74	-56.23	≤-21.74	PASS
			1000~26500	-1.74	-50.2	≤-21.74	PASS

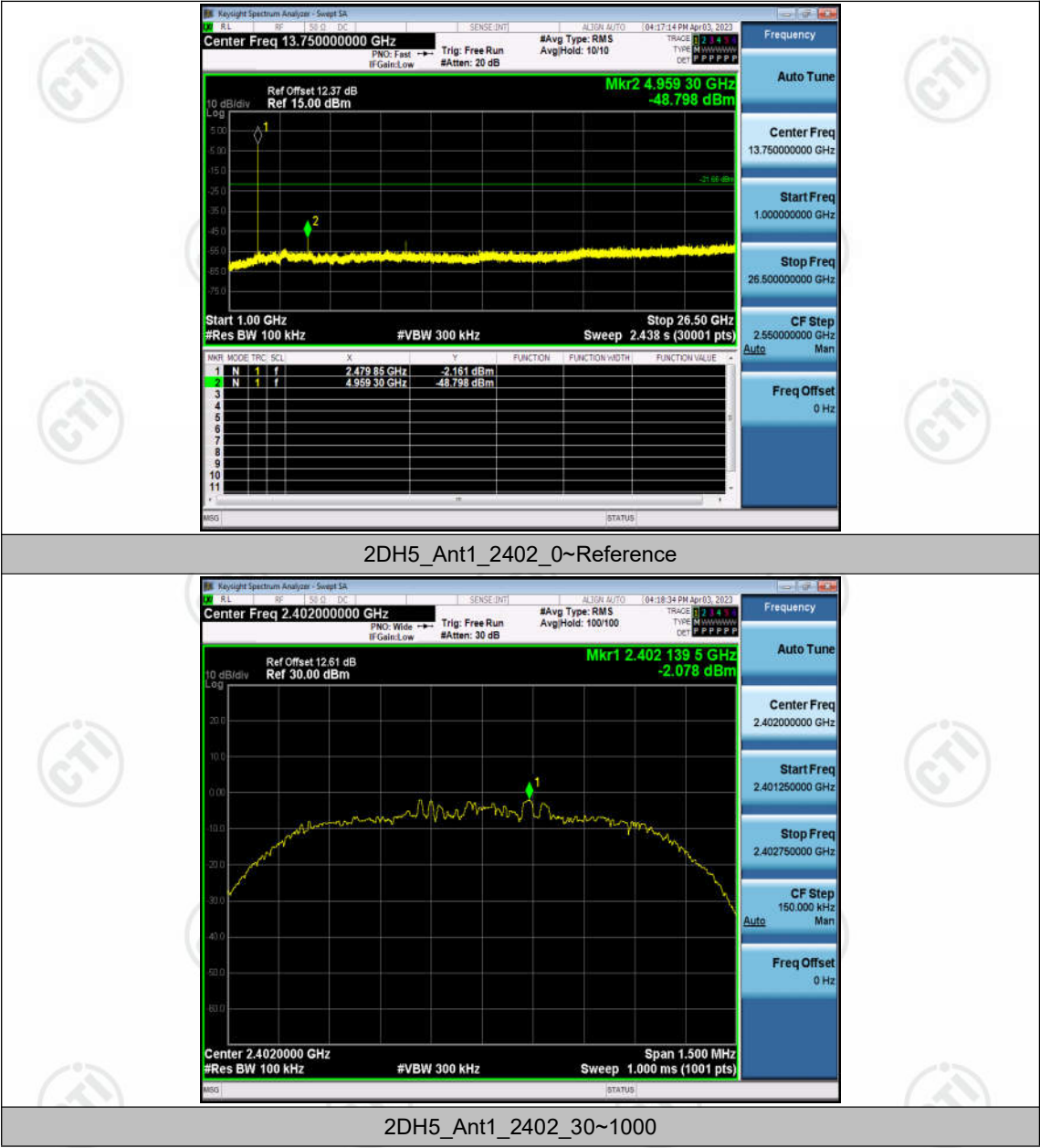
Test Graphs

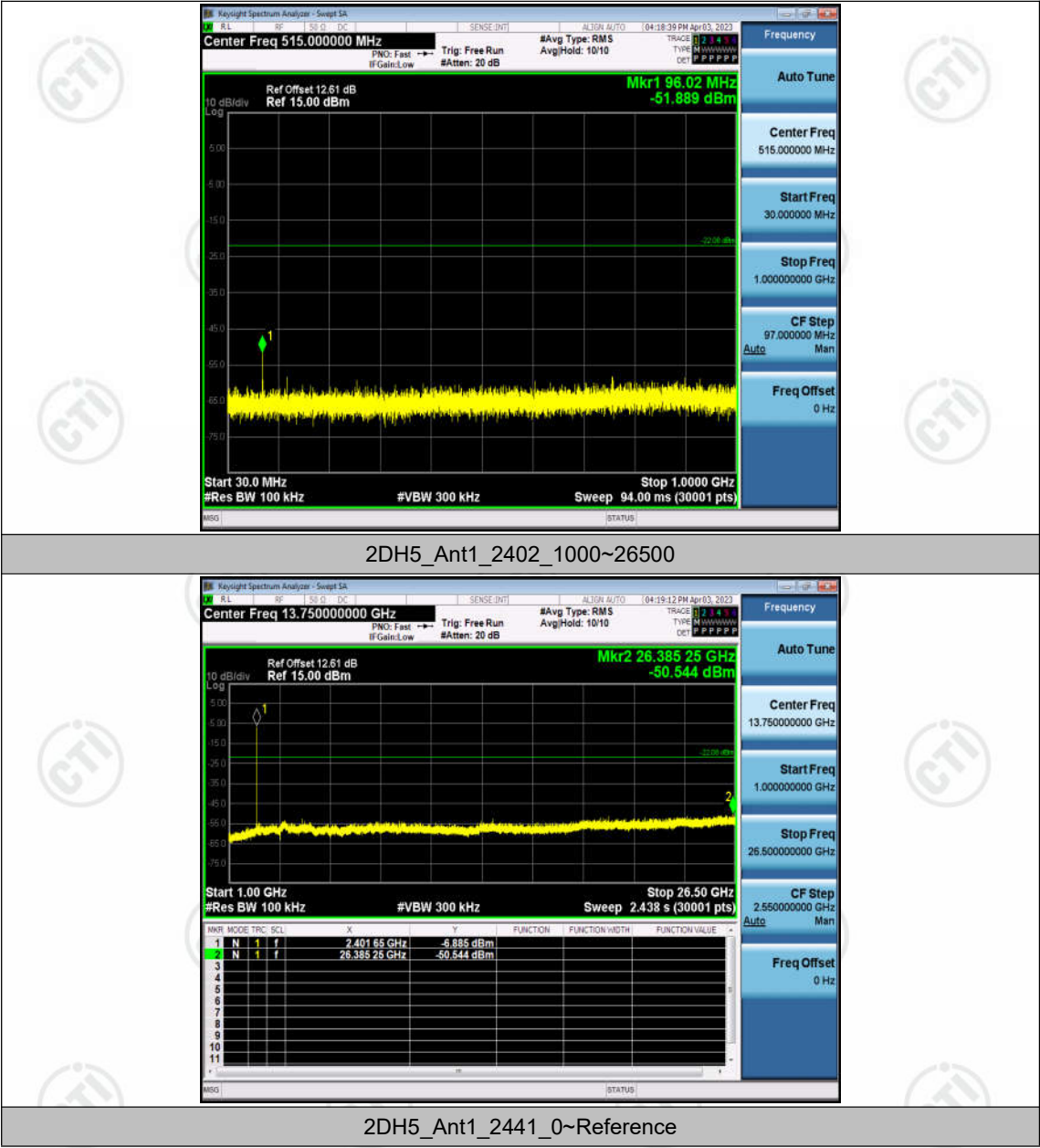


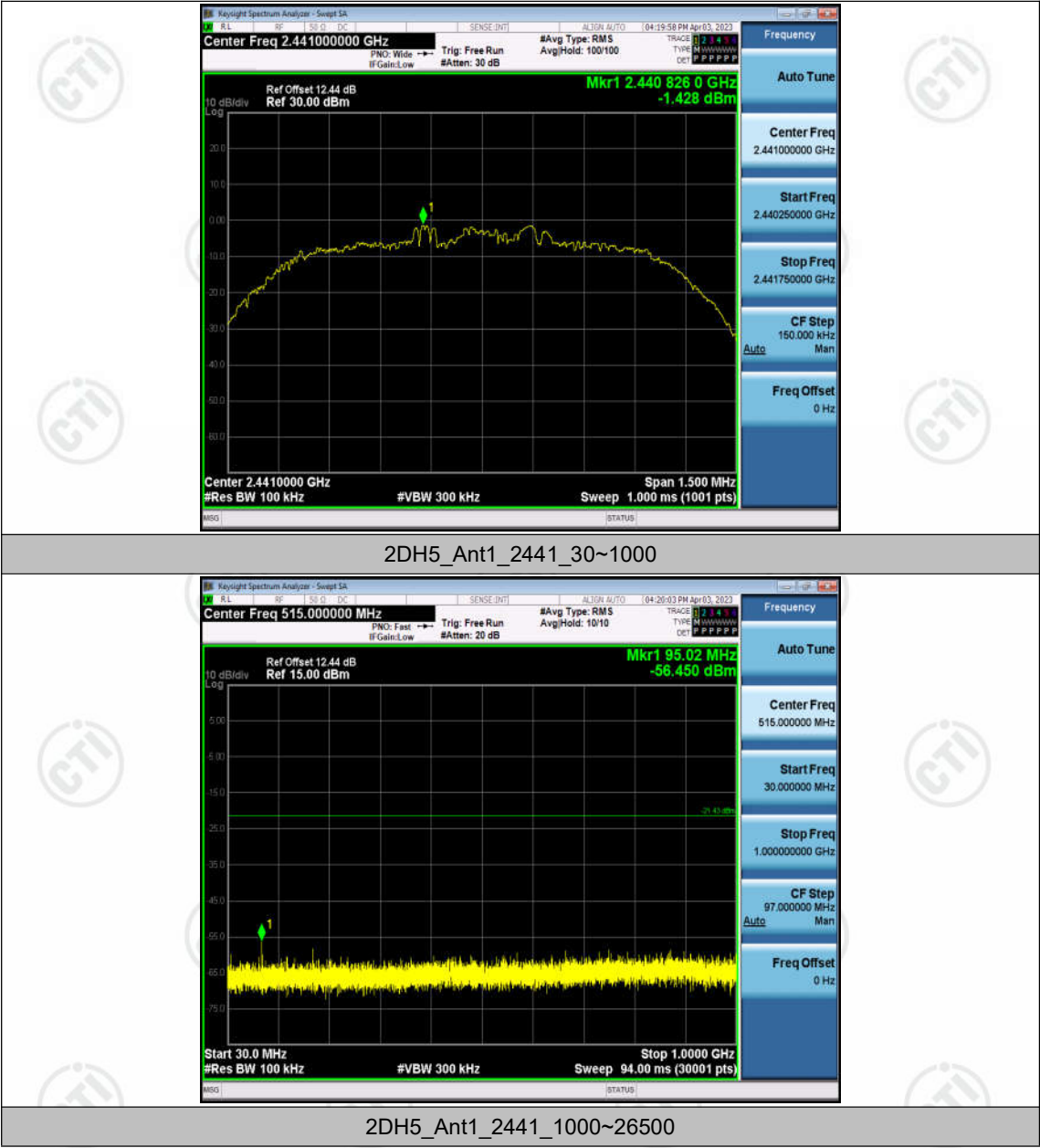


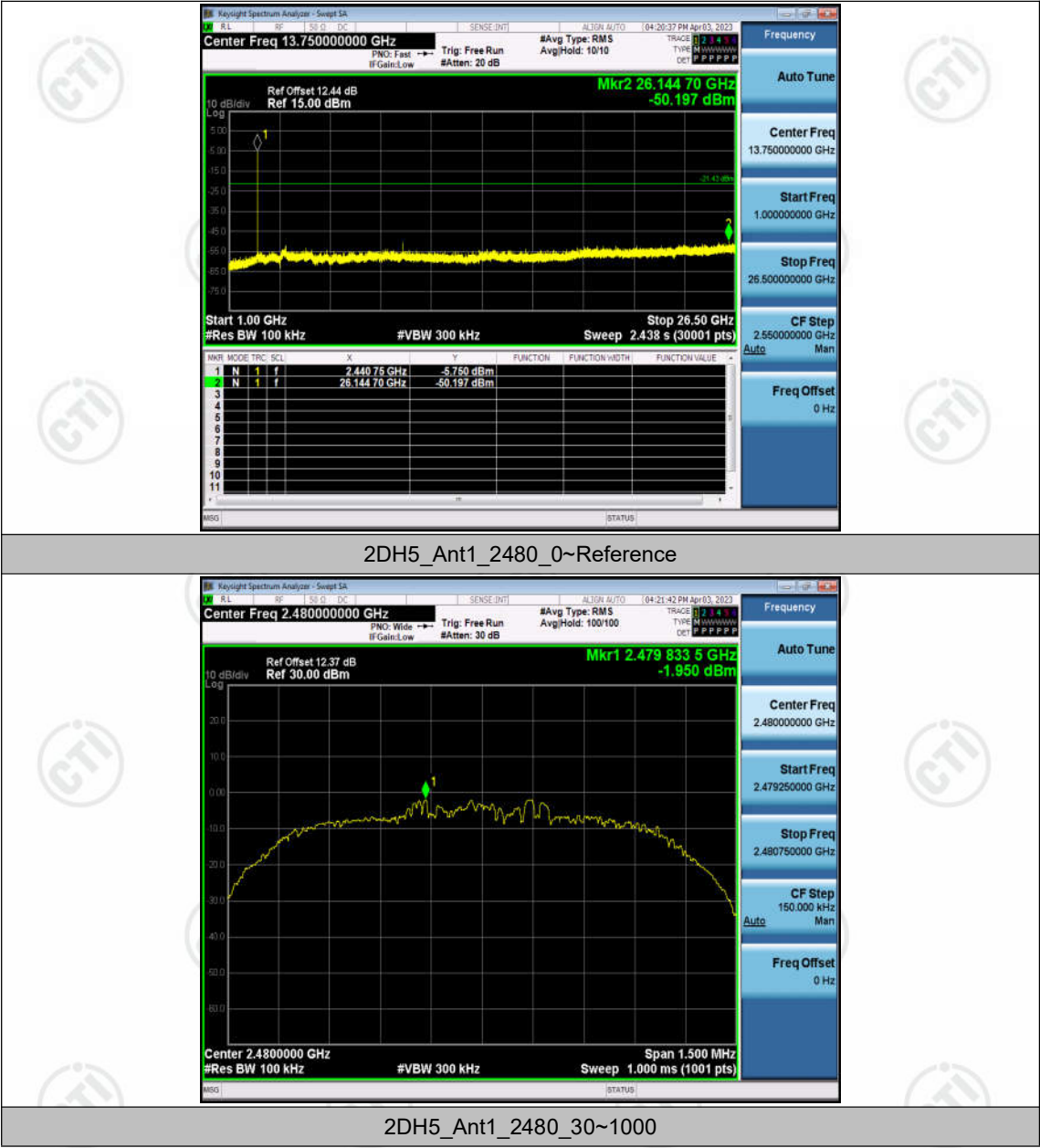


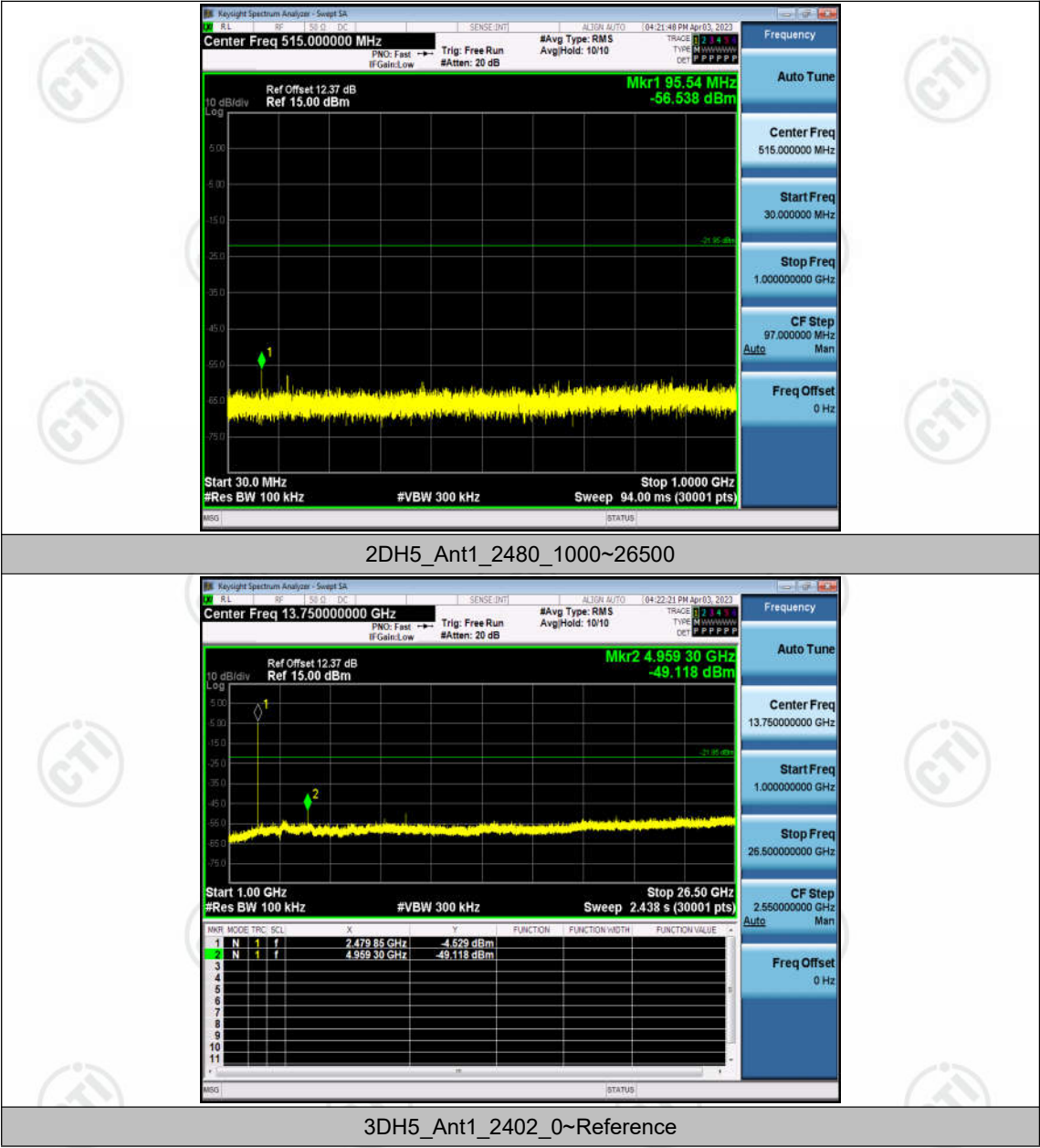


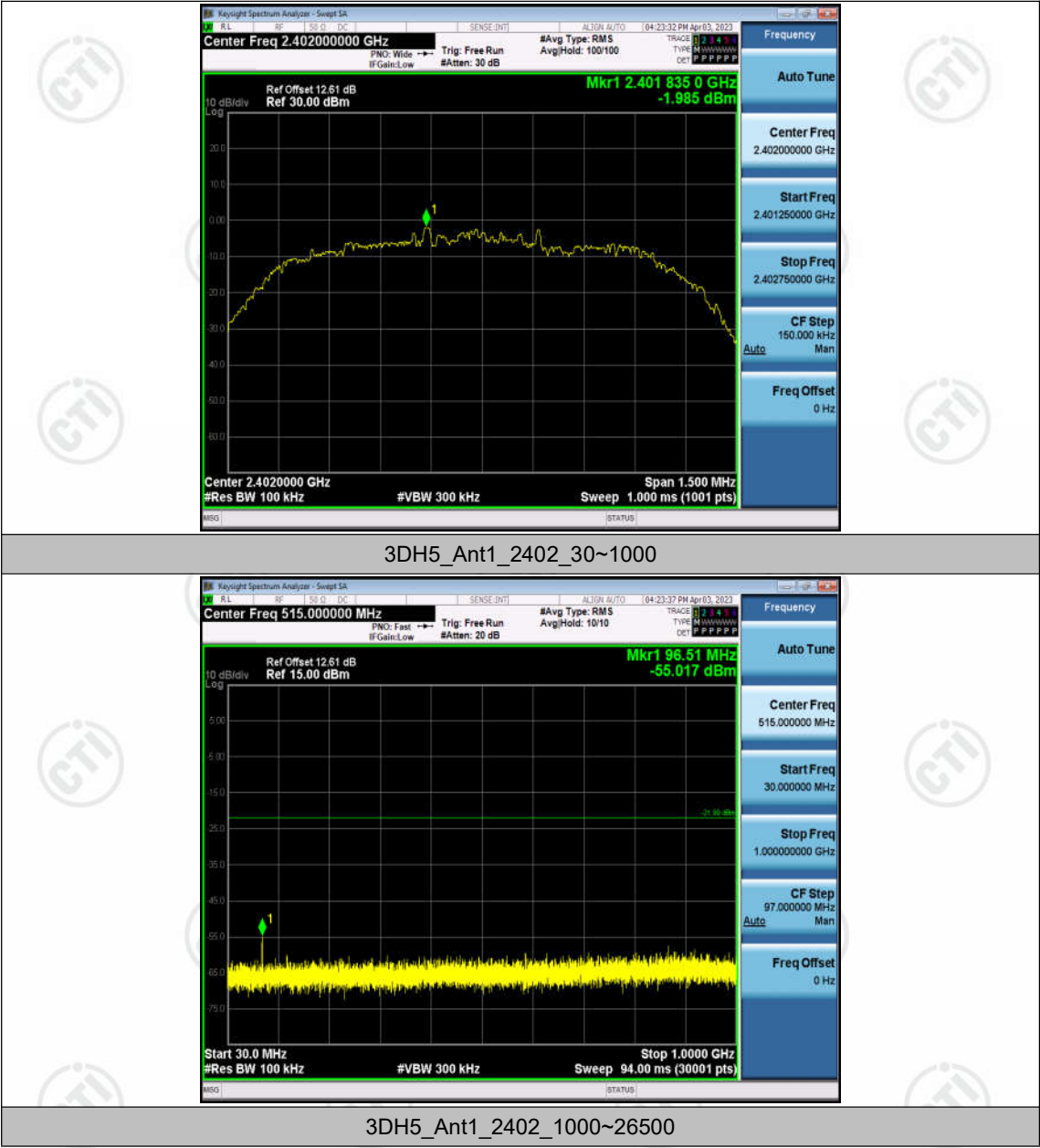


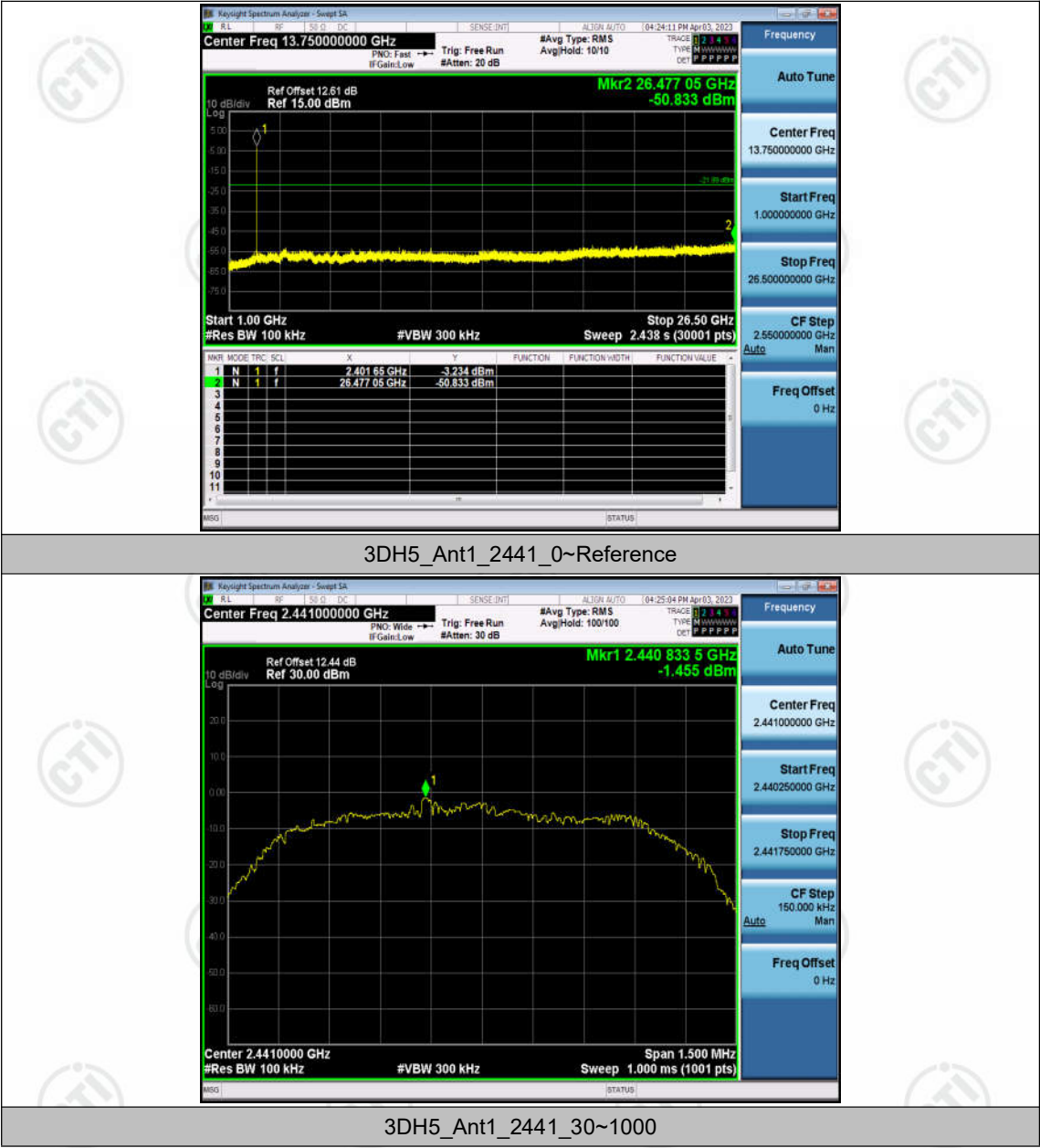


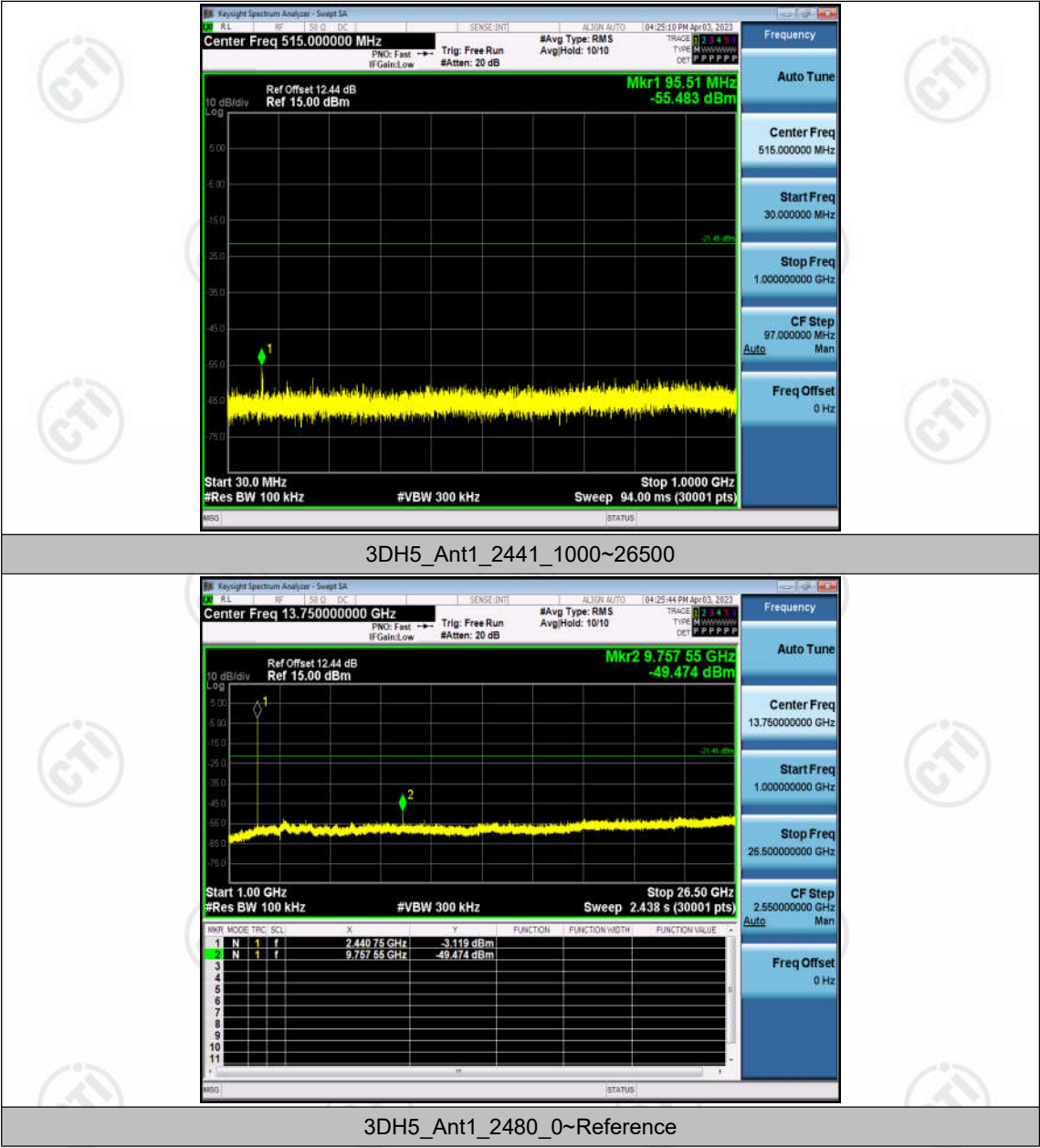


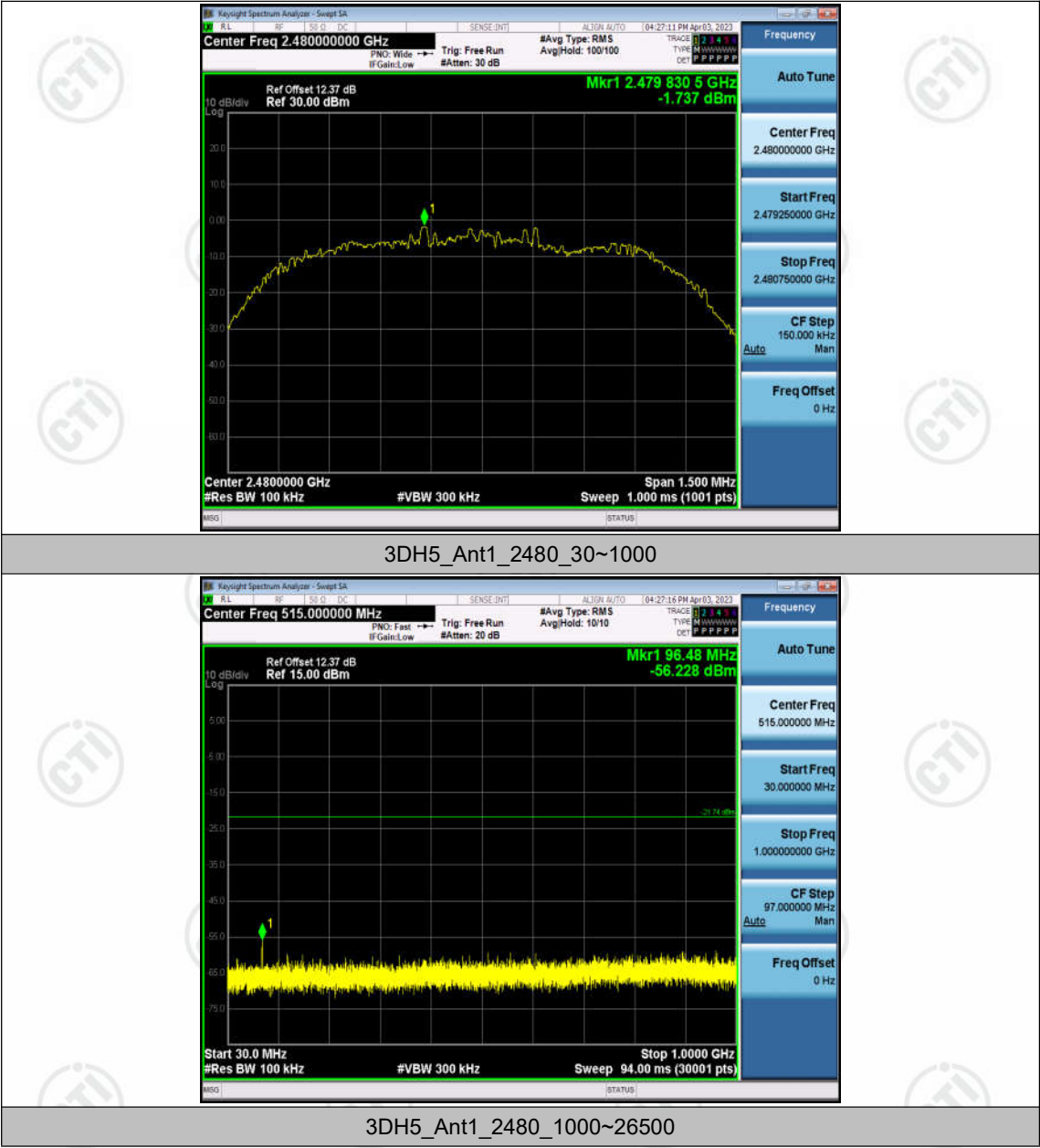












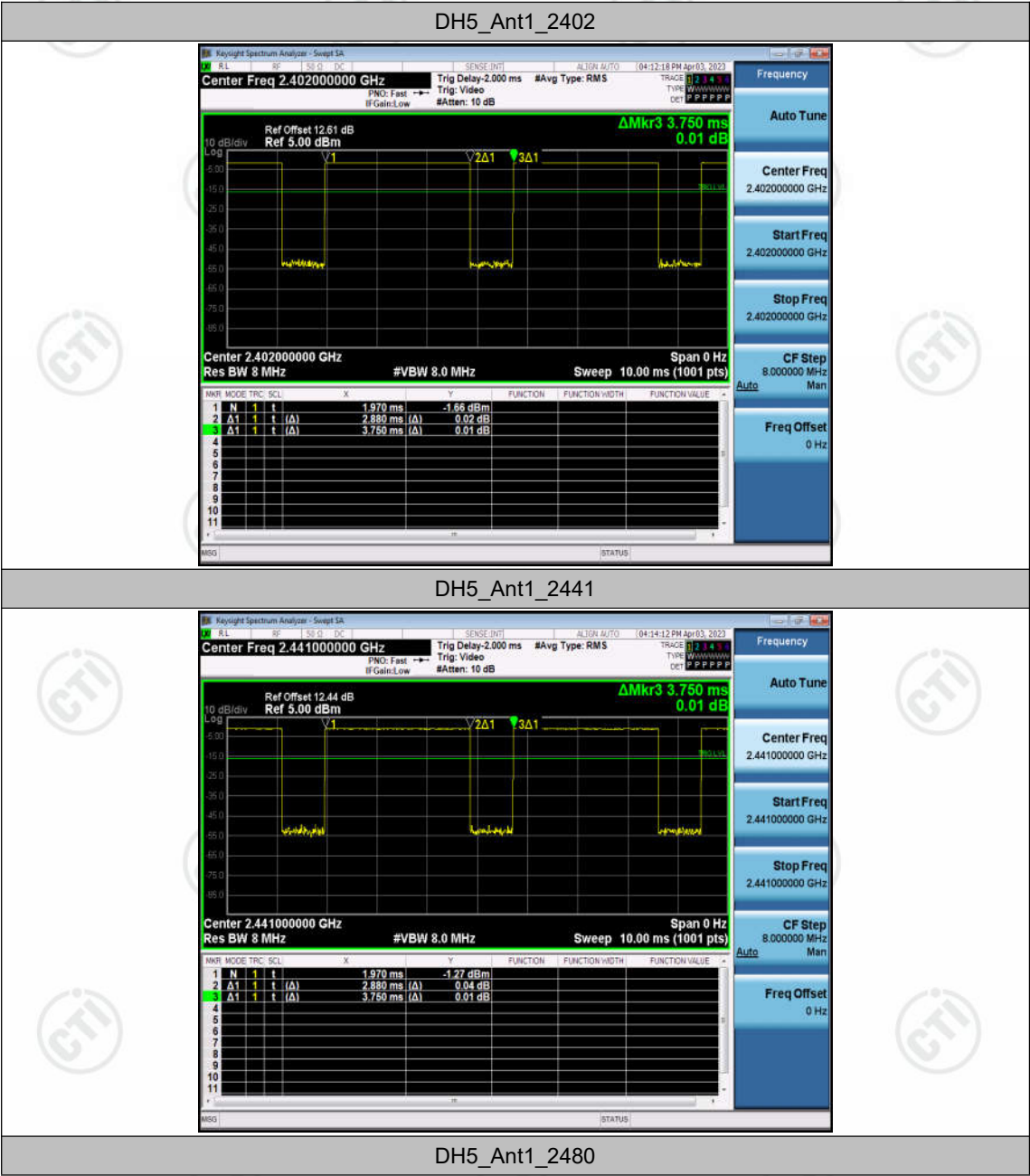


Appendix I: Duty Cycle

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
		2441	2.88	3.75	76.80	1.15
		2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.88	3.75	76.80	1.15
		2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.89	3.75	77.07	1.13
		2480	2.89	3.75	77.07	1.13

Test Graphs



DH5_Ant1_2441

Frequency

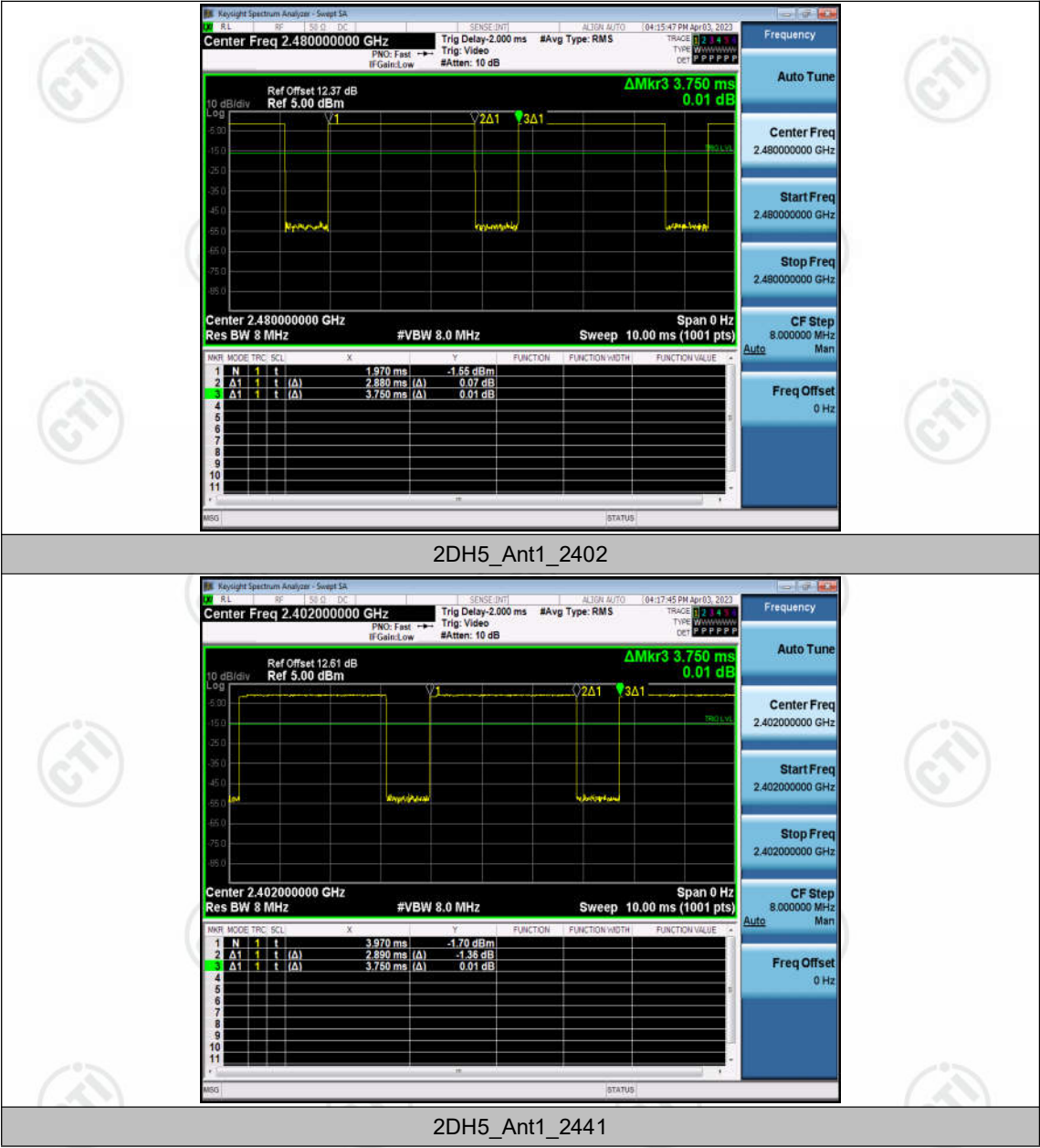
Auto Tune

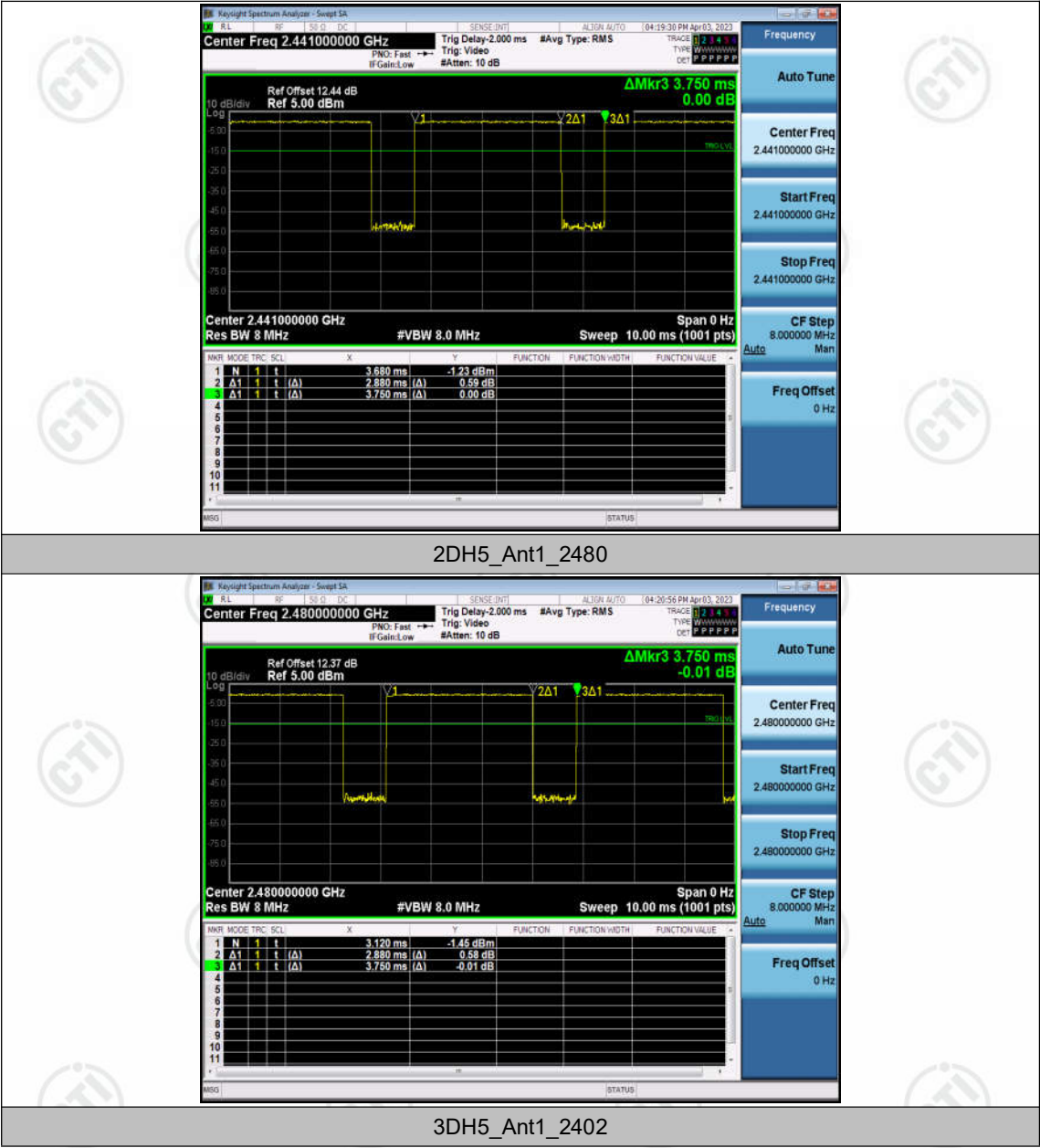
Center Freq
2.441000000 GHzStart Freq
2.441000000 GHzStop Freq
2.441000000 GHzCF Step
8.000000 MHz

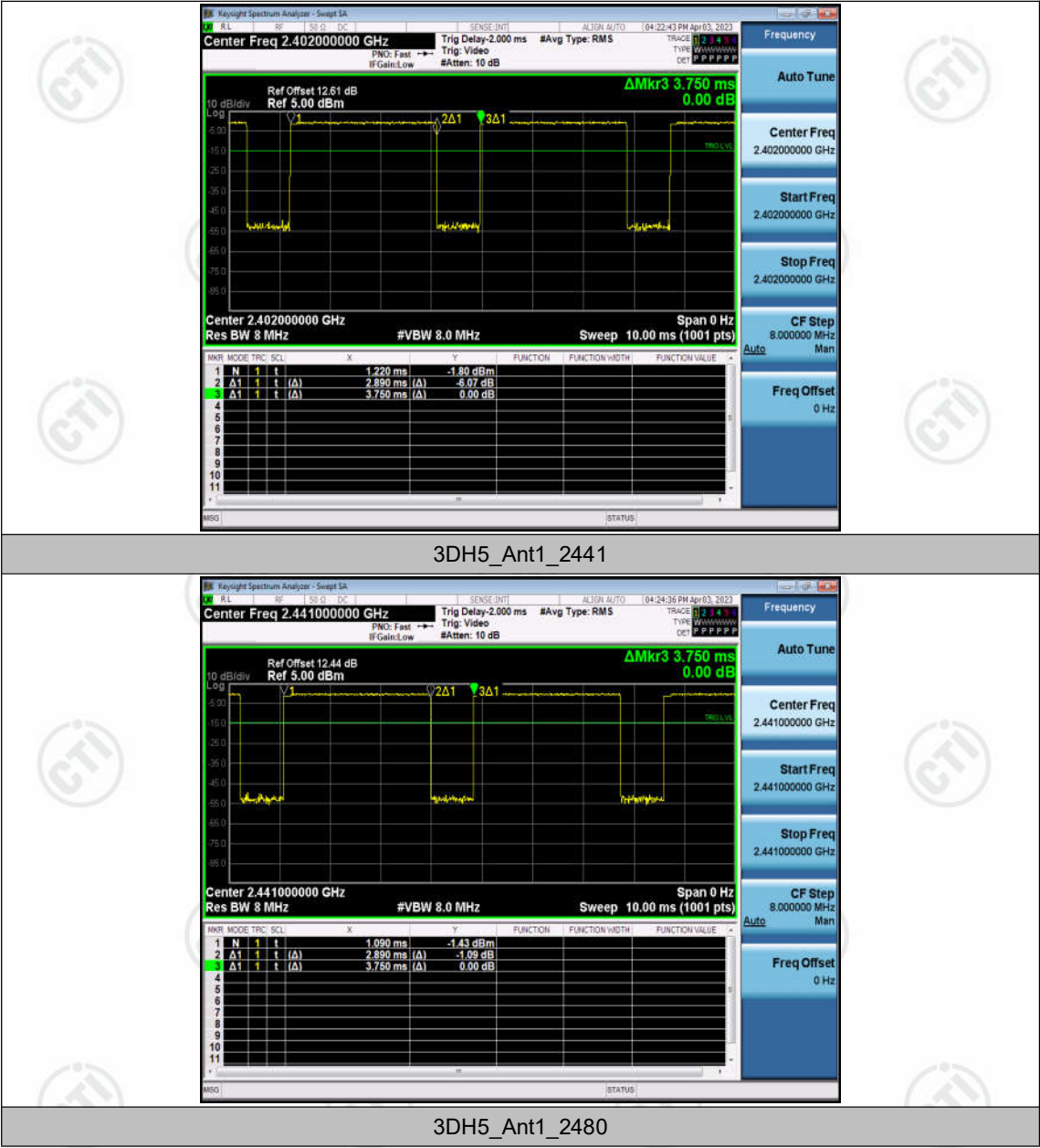
Man

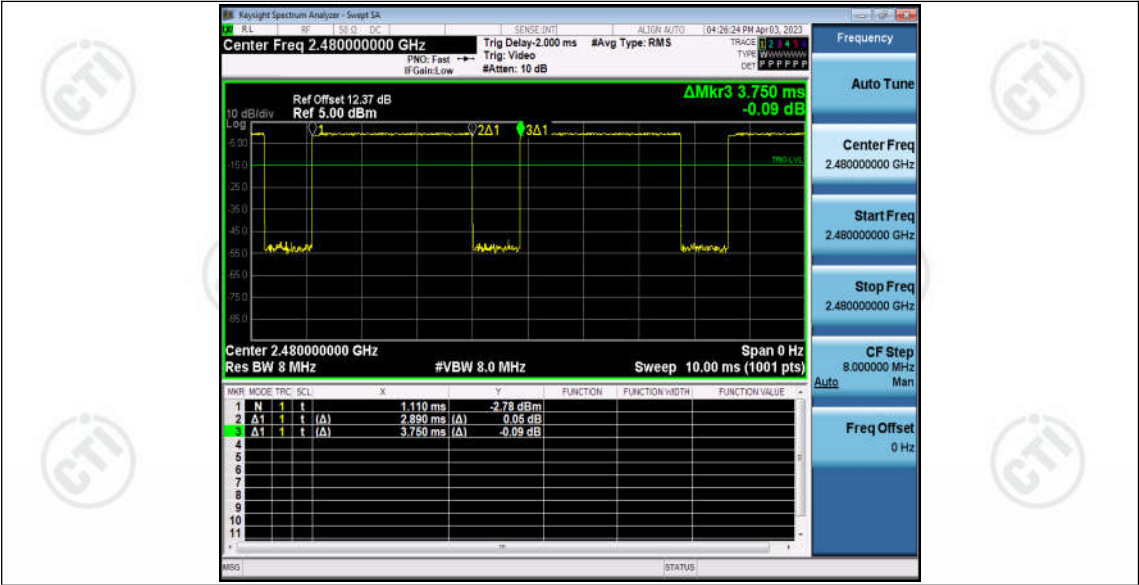
Freq Offset
0 Hz

DH5_Ant1_2480









*** End of Report ***