

Appendix: Bluetooth Classic

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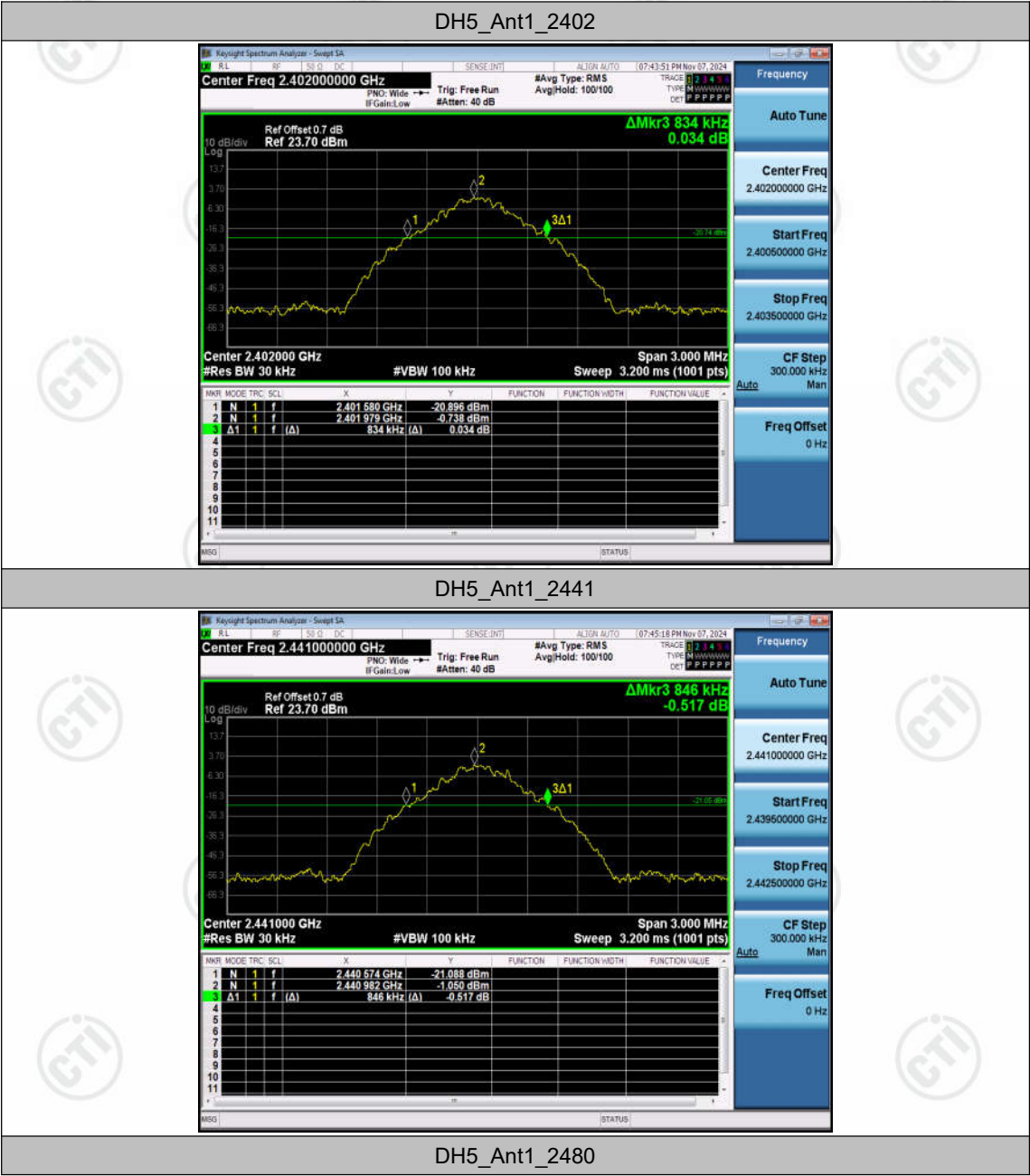
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Appendix A: 20dB Emission Bandwidth

Test Result

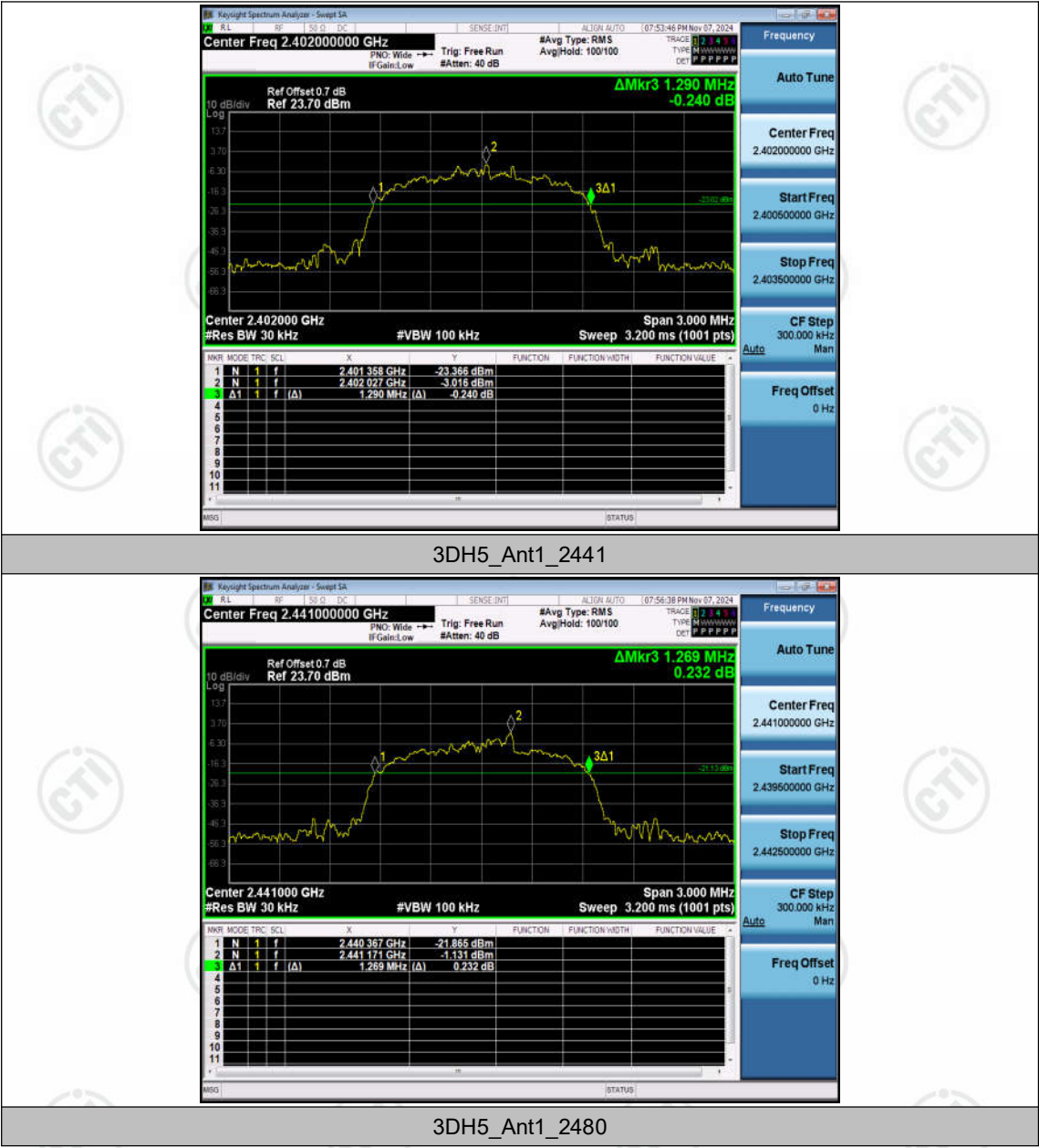
Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.834	2401.580	2402.414	---	---
		2441	0.846	2440.574	2441.420	---	---
		2480	0.813	2479.604	2480.417	---	---
2DH5	Ant1	2402	1.254	2401.394	2402.648	---	---
		2441	1.284	2440.373	2441.657	---	---
		2480	1.266	2479.376	2480.642	---	---
3DH5	Ant1	2402	1.290	2401.358	2402.648	---	---
		2441	1.269	2440.367	2441.636	---	---
		2480	1.293	2479.361	2480.654	---	---

Test Graphs









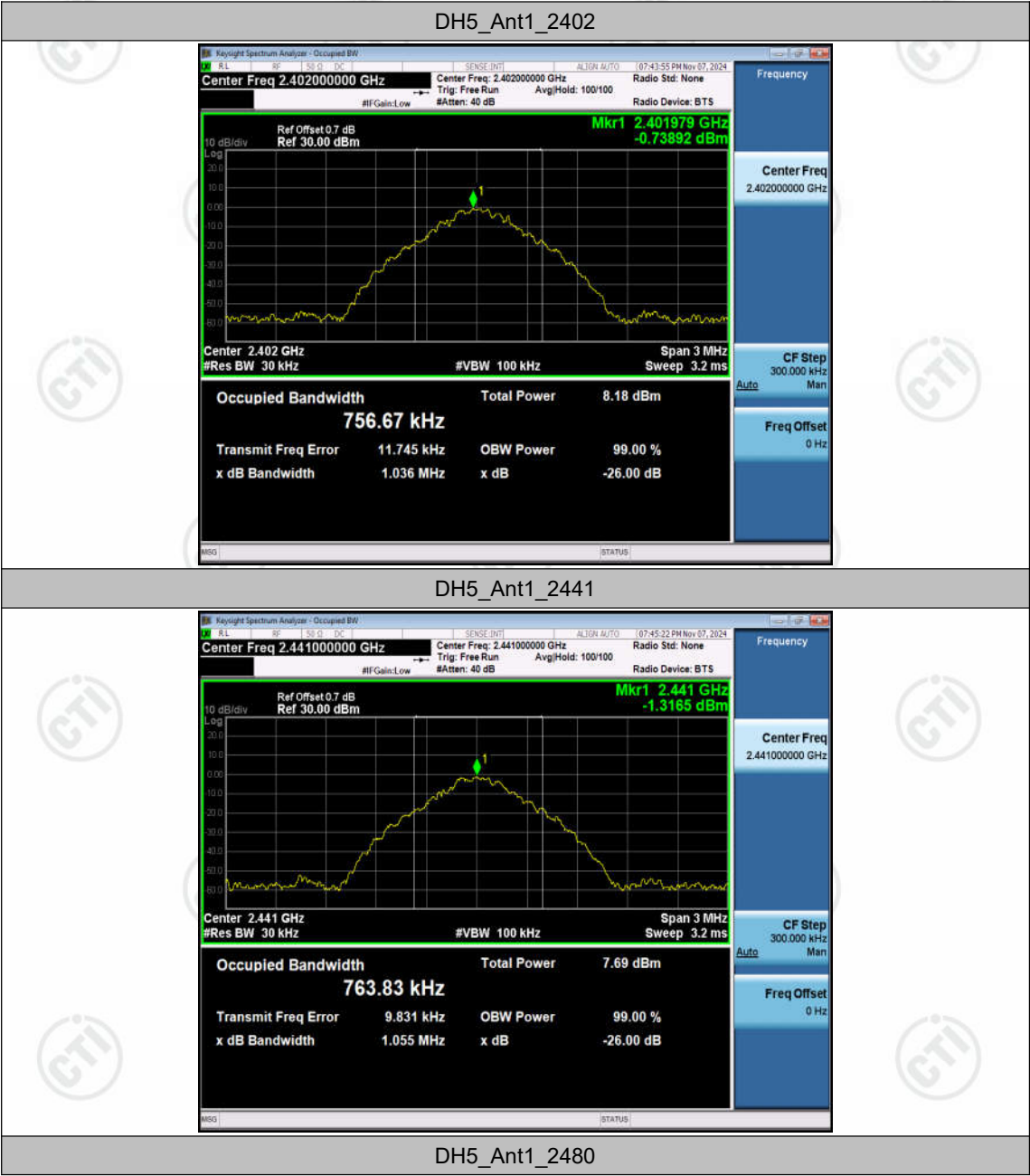


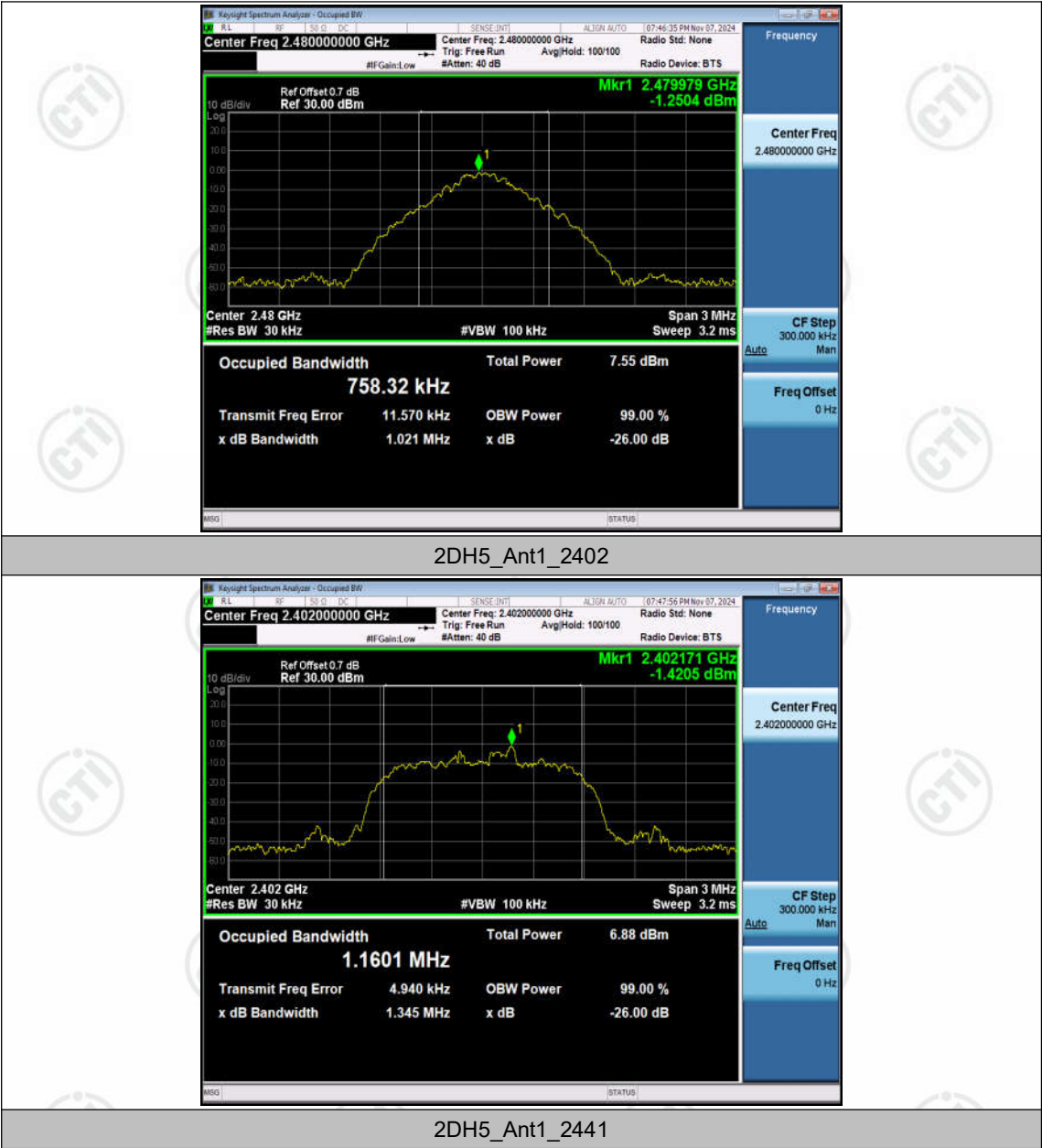
Appendix B: Occupied Channel Bandwidth

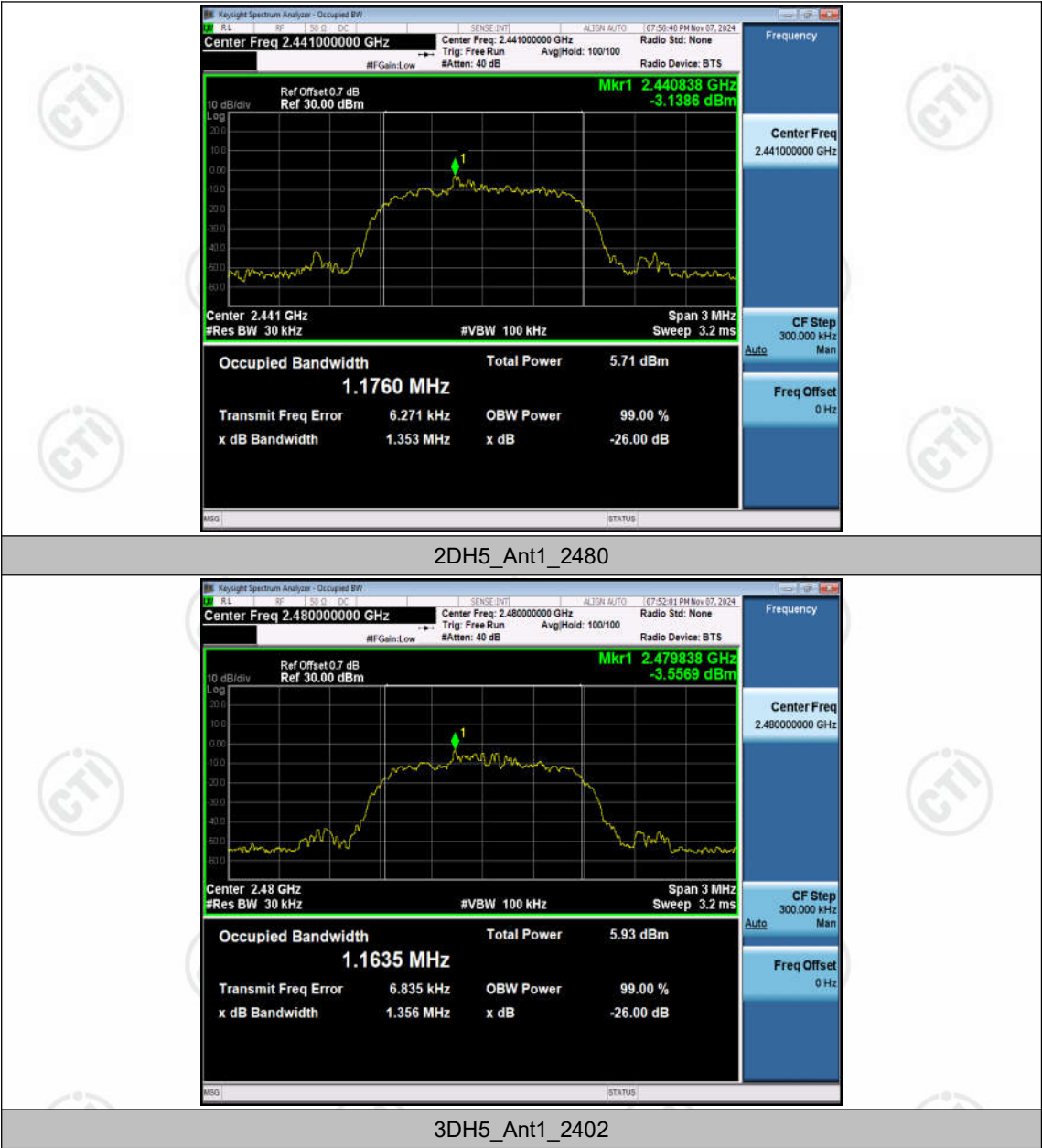
Test Result

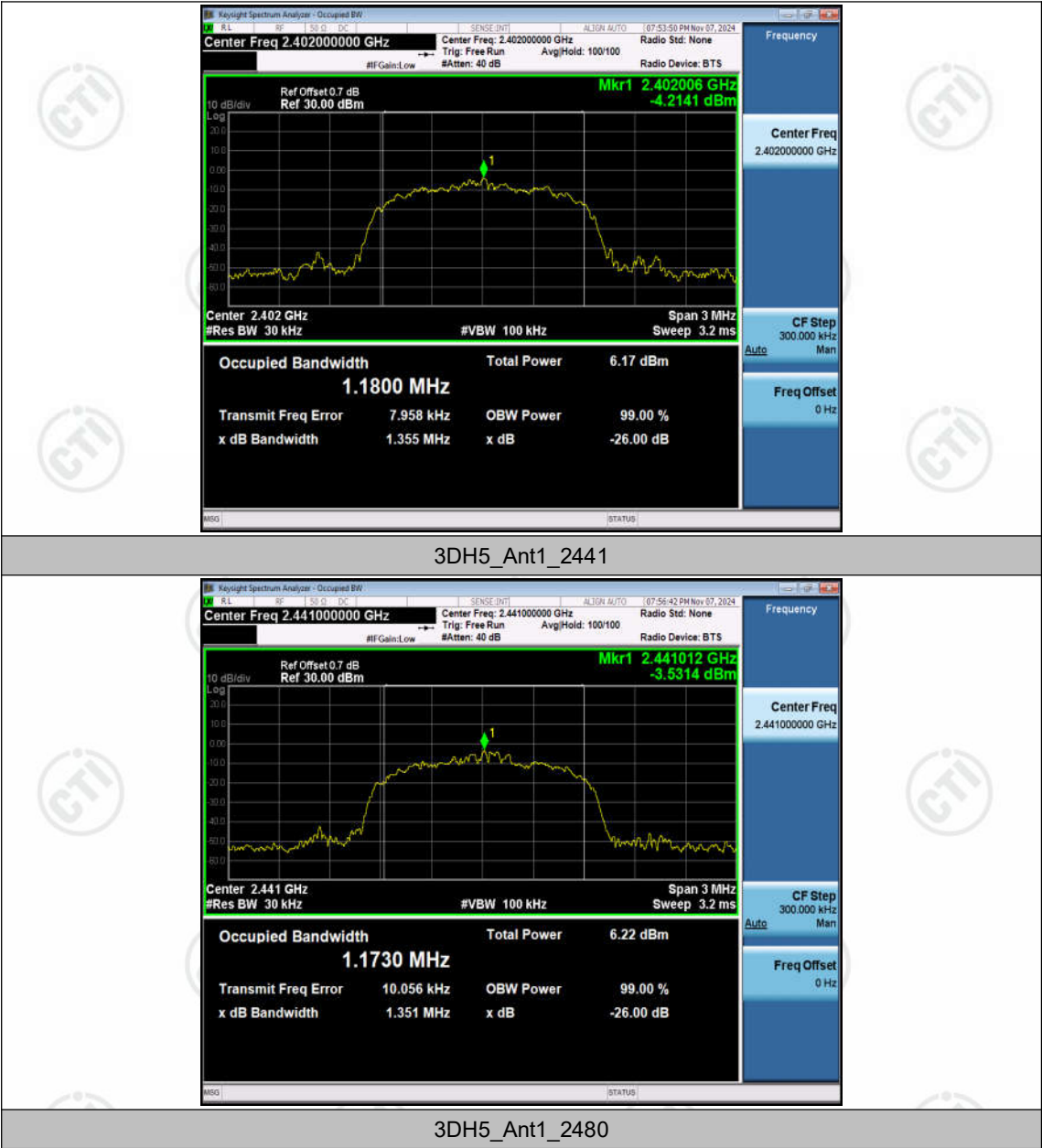
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.75667	2401.6334	2402.3901	---	---
		2441	0.76383	2440.6279	2441.3917	---	---
		2480	0.75832	2479.6324	2480.3907	---	---
2DH5	Ant1	2402	1.1601	2401.4249	2402.5850	---	---
		2441	1.1760	2440.4183	2441.5943	---	---
		2480	1.1635	2479.4251	2480.5886	---	---
3DH5	Ant1	2402	1.1800	2401.4180	2402.5980	---	---
		2441	1.1730	2440.4236	2441.5966	---	---
		2480	1.1666	2479.4246	2480.5912	---	---

Test Graphs









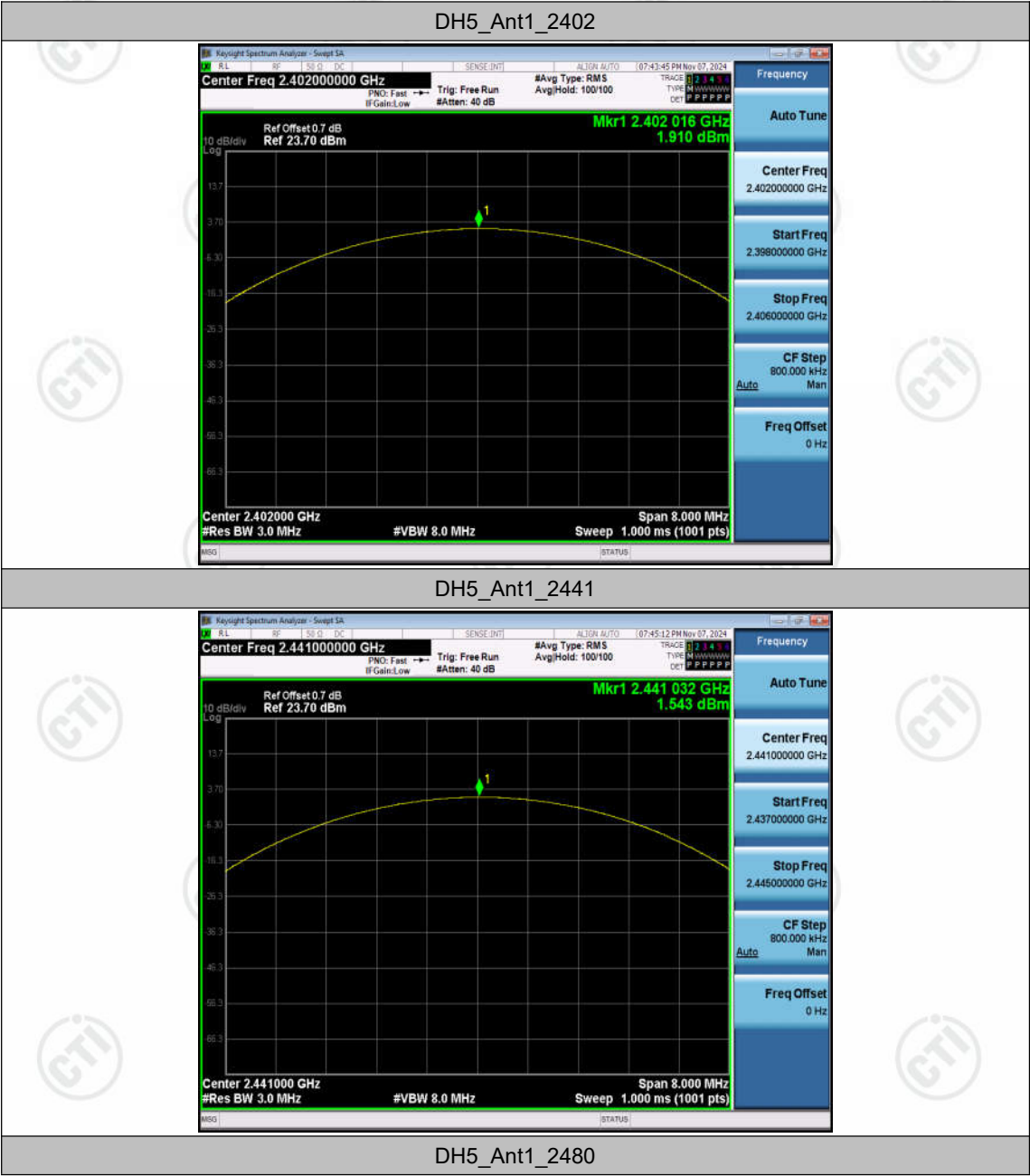


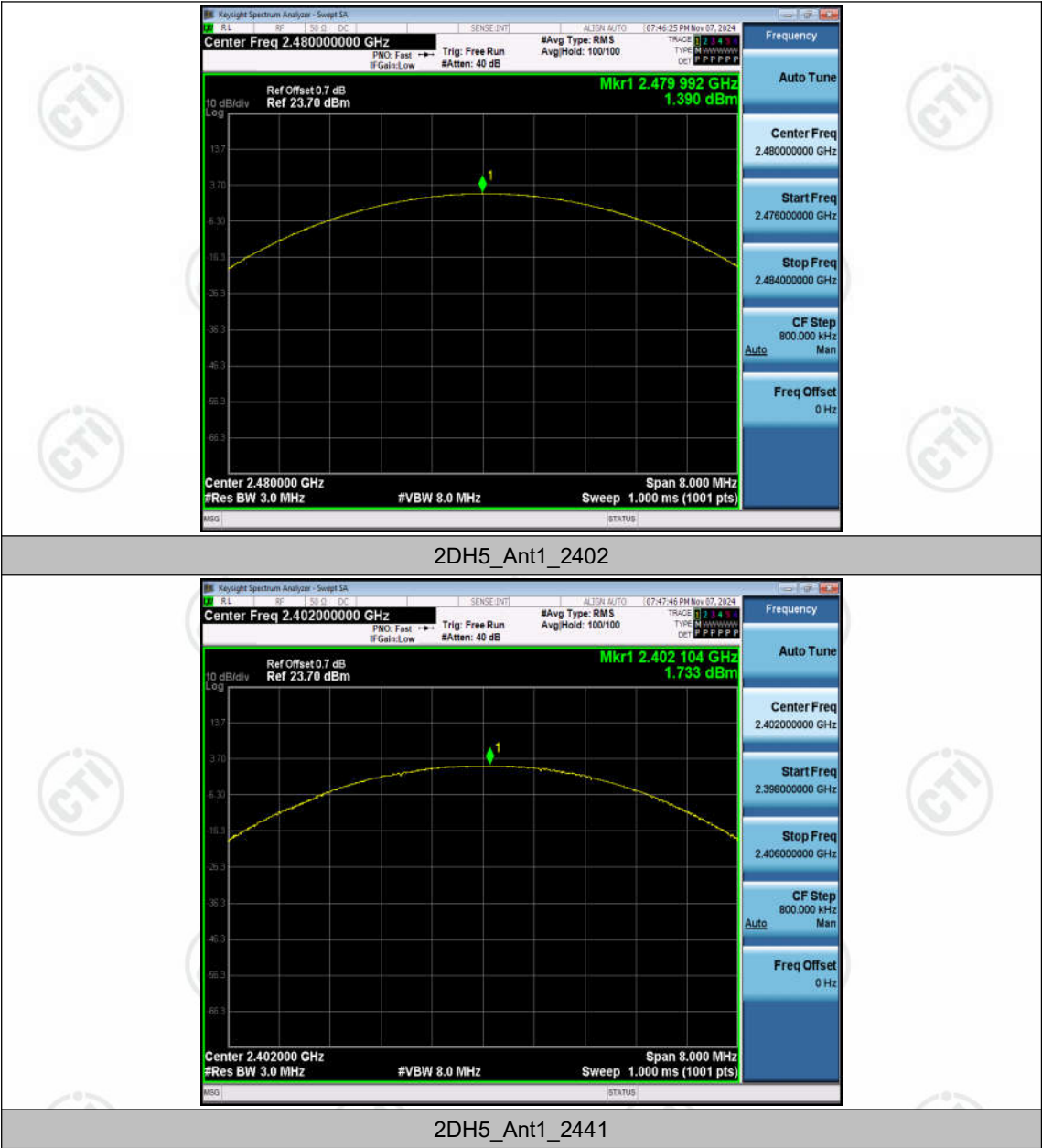
Appendix C: Maximum conducted output power

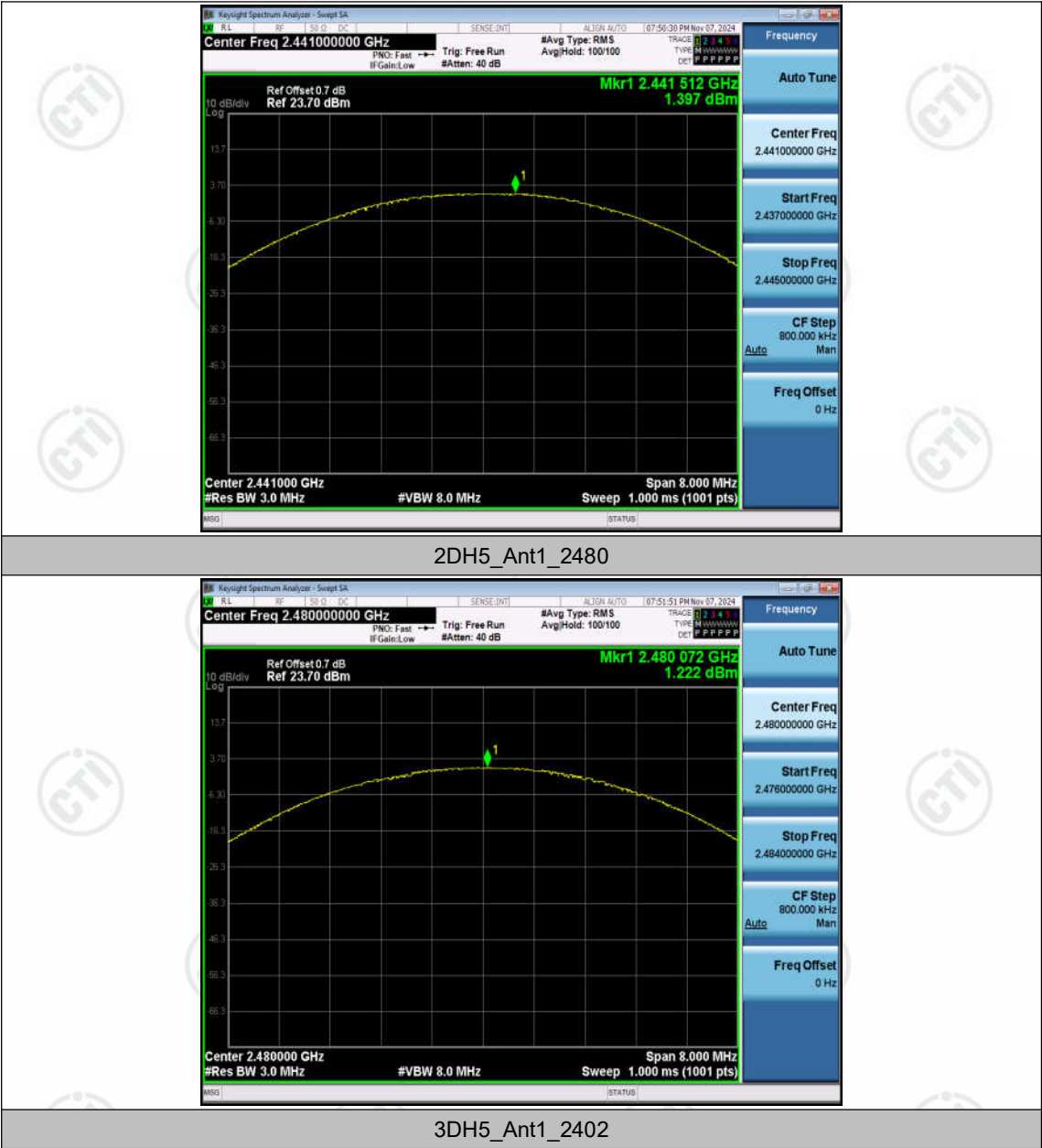
Test Result

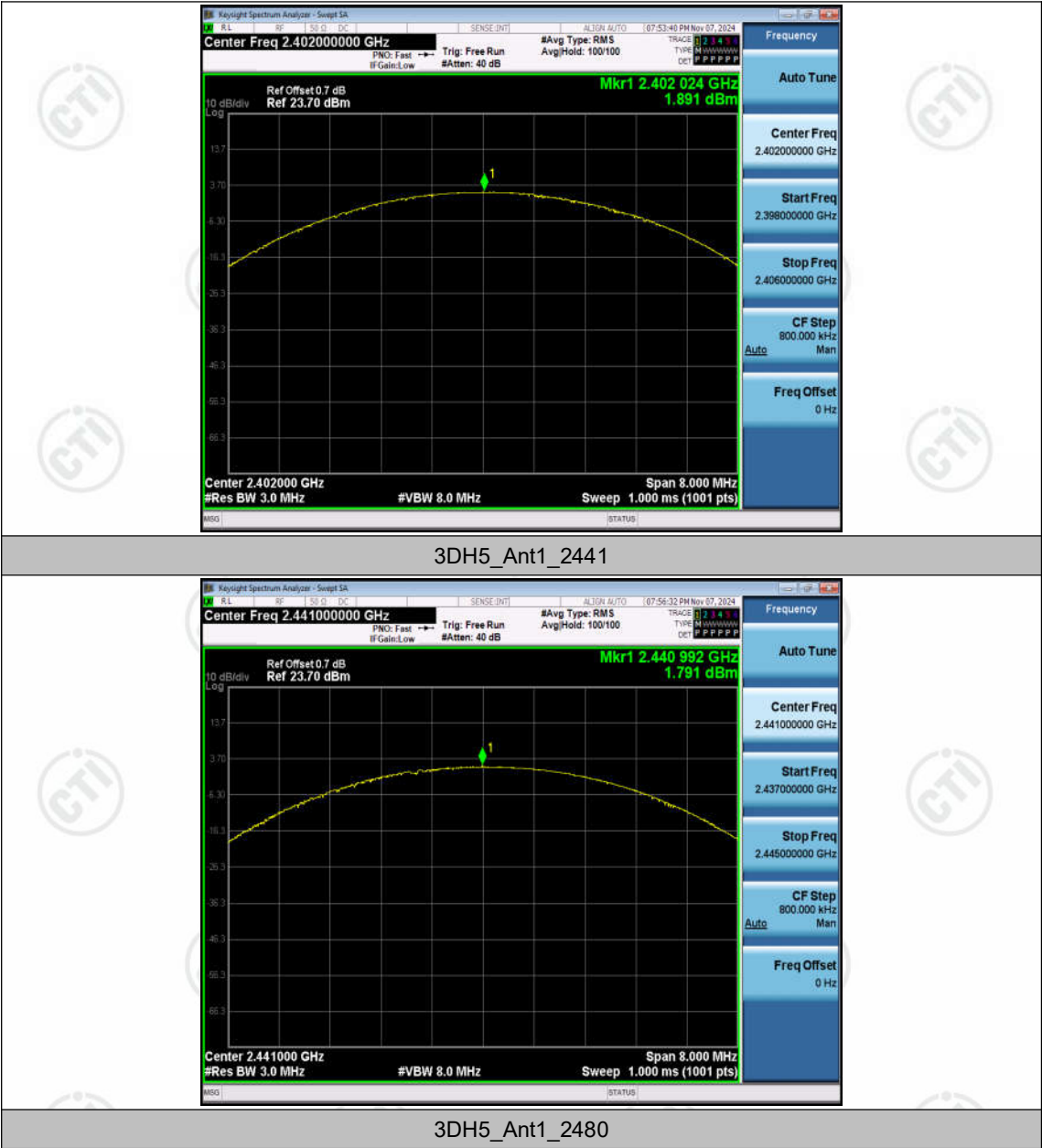
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	1.91	≤30	PASS
		2441	1.54	≤20.97	PASS
		2480	1.39	≤20.97	PASS
2DH5	Ant1	2402	1.73	≤30	PASS
		2441	1.40	≤20.97	PASS
		2480	1.22	≤20.97	PASS
3DH5	Ant1	2402	1.89	≤30	PASS
		2441	1.79	≤20.97	PASS
		2480	1.20	≤20.97	PASS

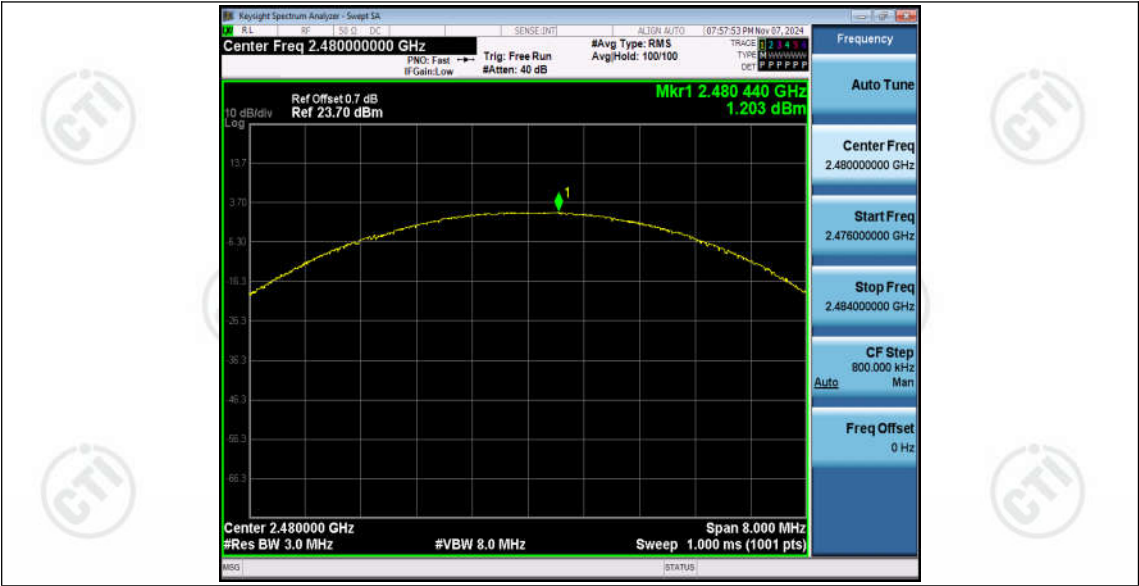
Test Graphs









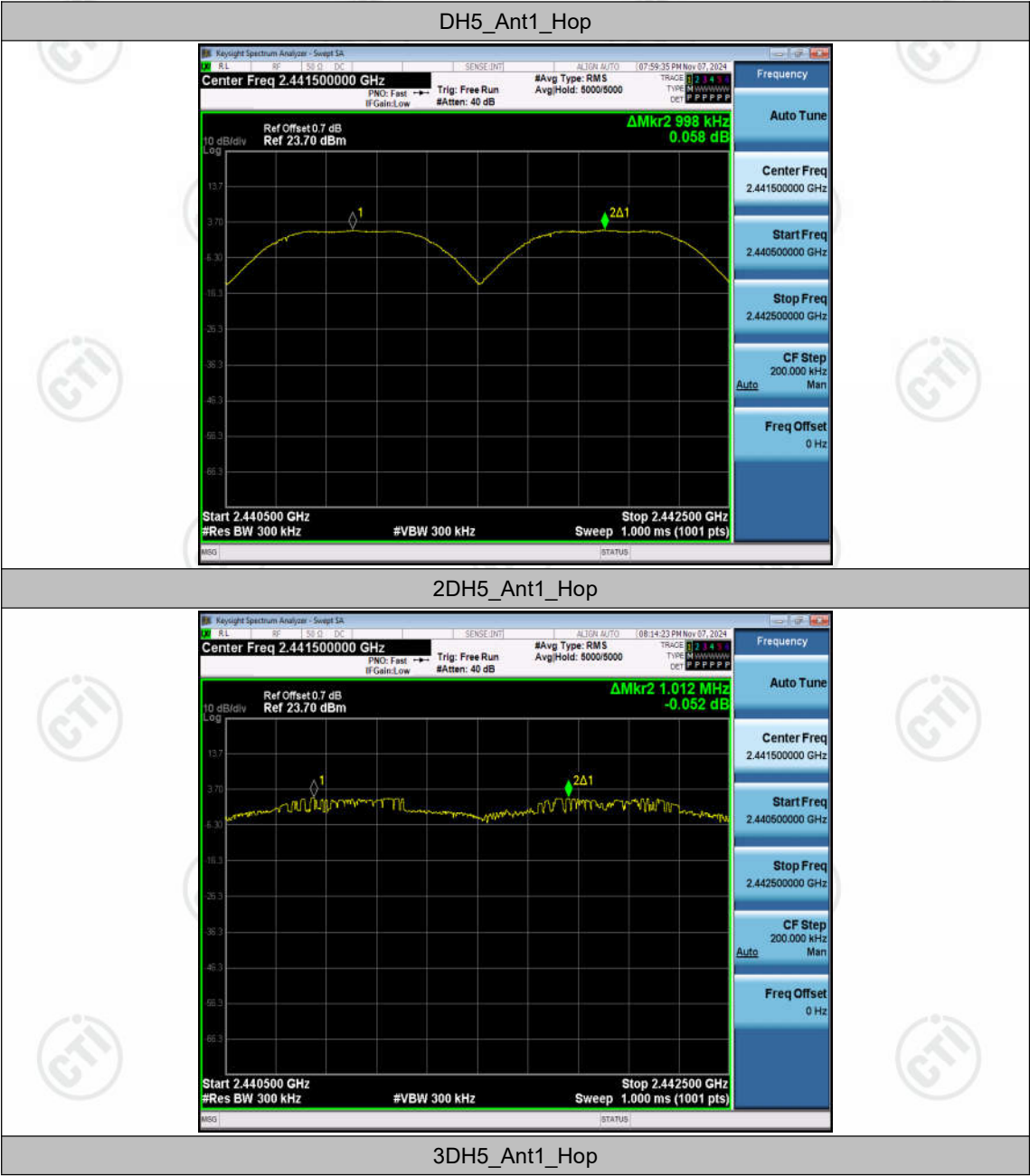


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	≥0.846	PASS
2DH5	Ant1	Hop	1.012	≥0.856	PASS
3DH5	Ant1	Hop	1.260	≥0.862	PASS

Test Graphs



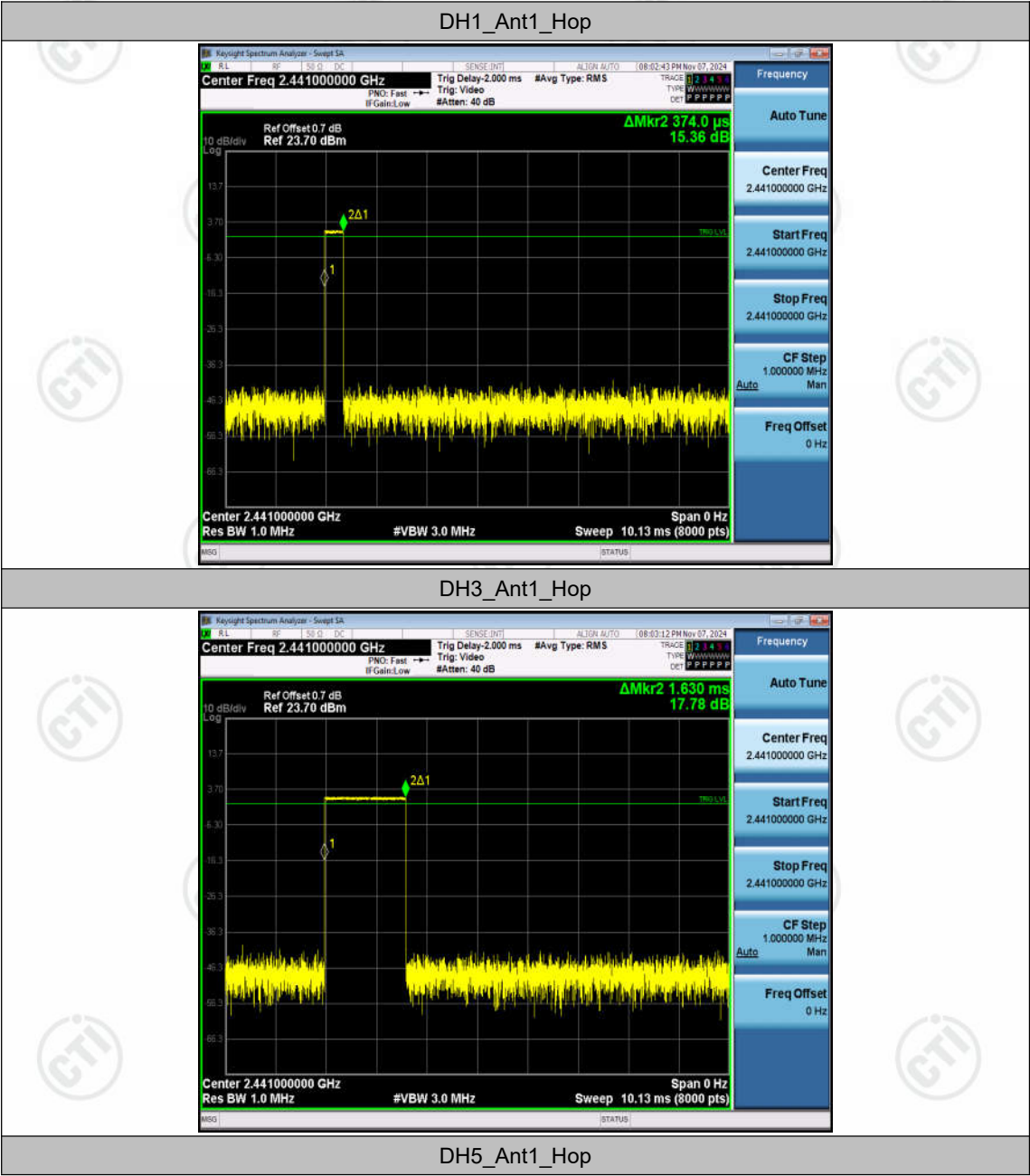


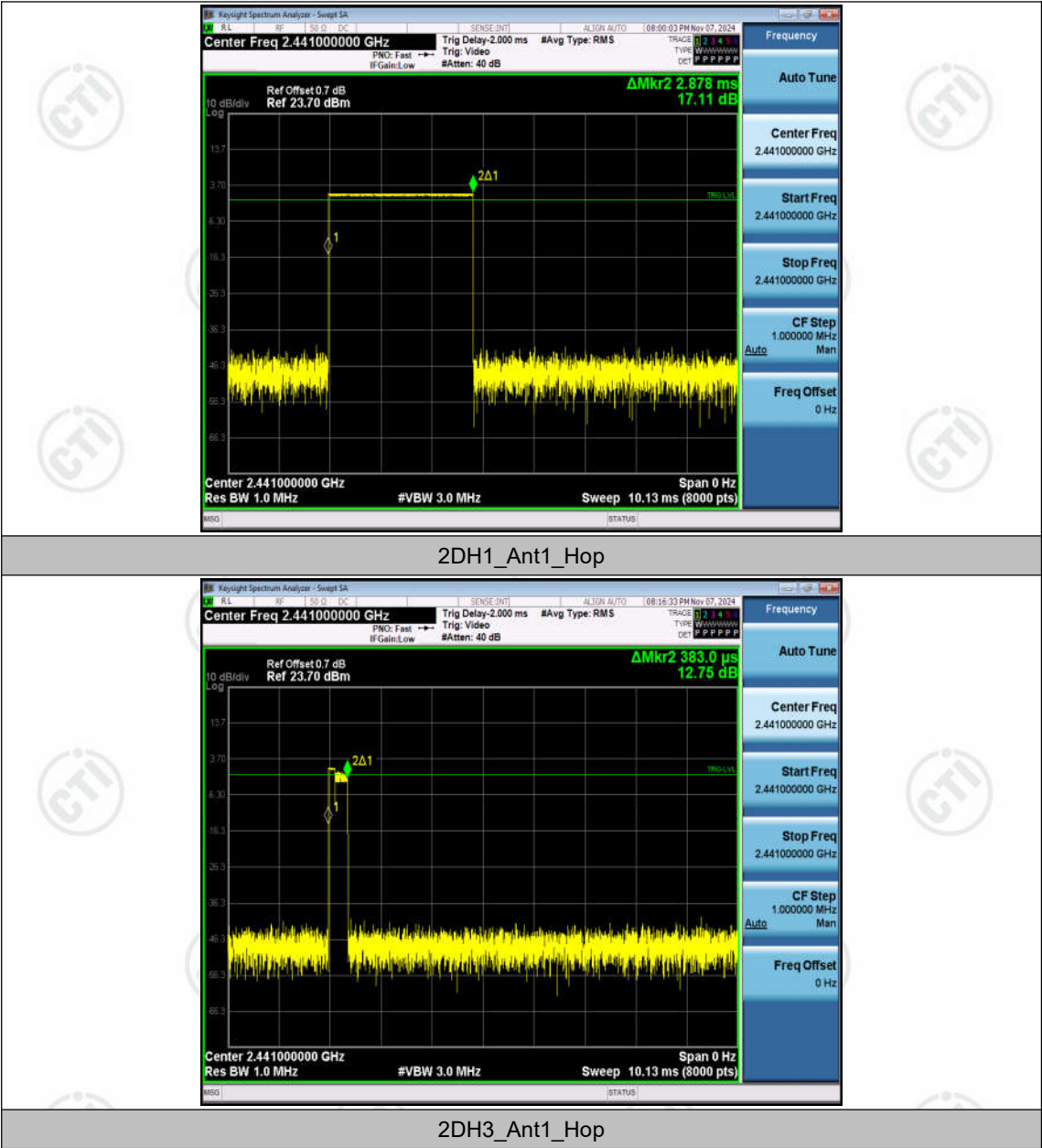
Appendix E: Time of occupancy

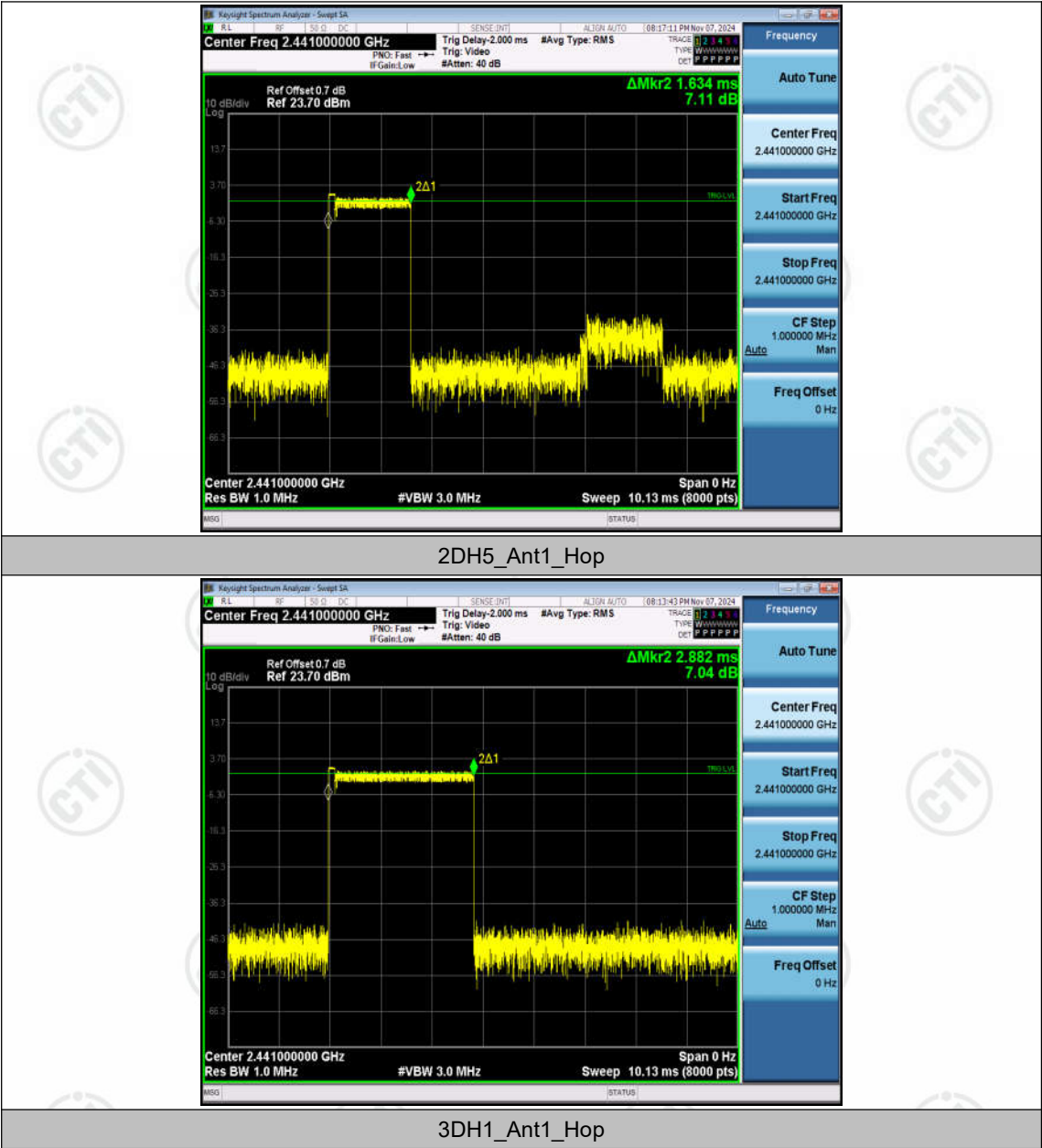
Test Result

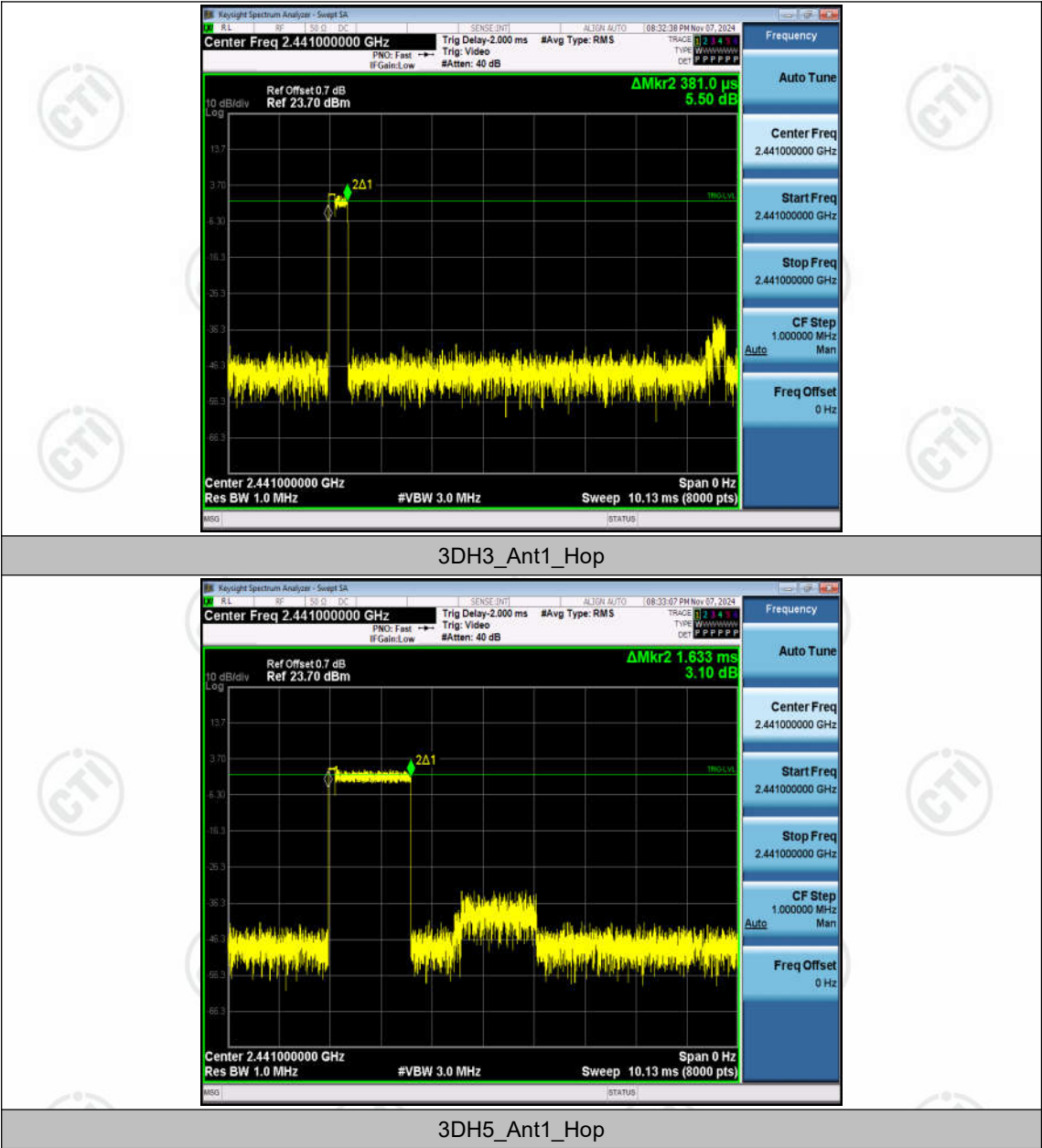
Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.630	160	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.878	106.67	0.307	≤0.4	PASS
2DH1	Ant1	Hop	0.383	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.634	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.882	106.67	0.307	≤0.4	PASS
3DH1	Ant1	Hop	0.381	320	0.122	≤0.4	PASS
3DH3	Ant1	Hop	1.633	160	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS

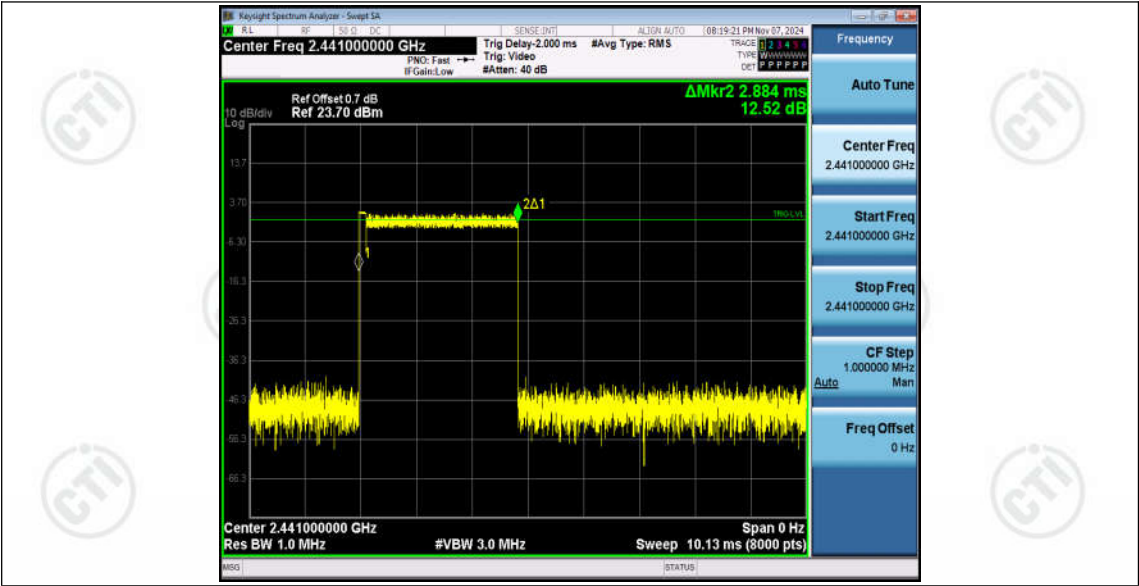
Test Graphs









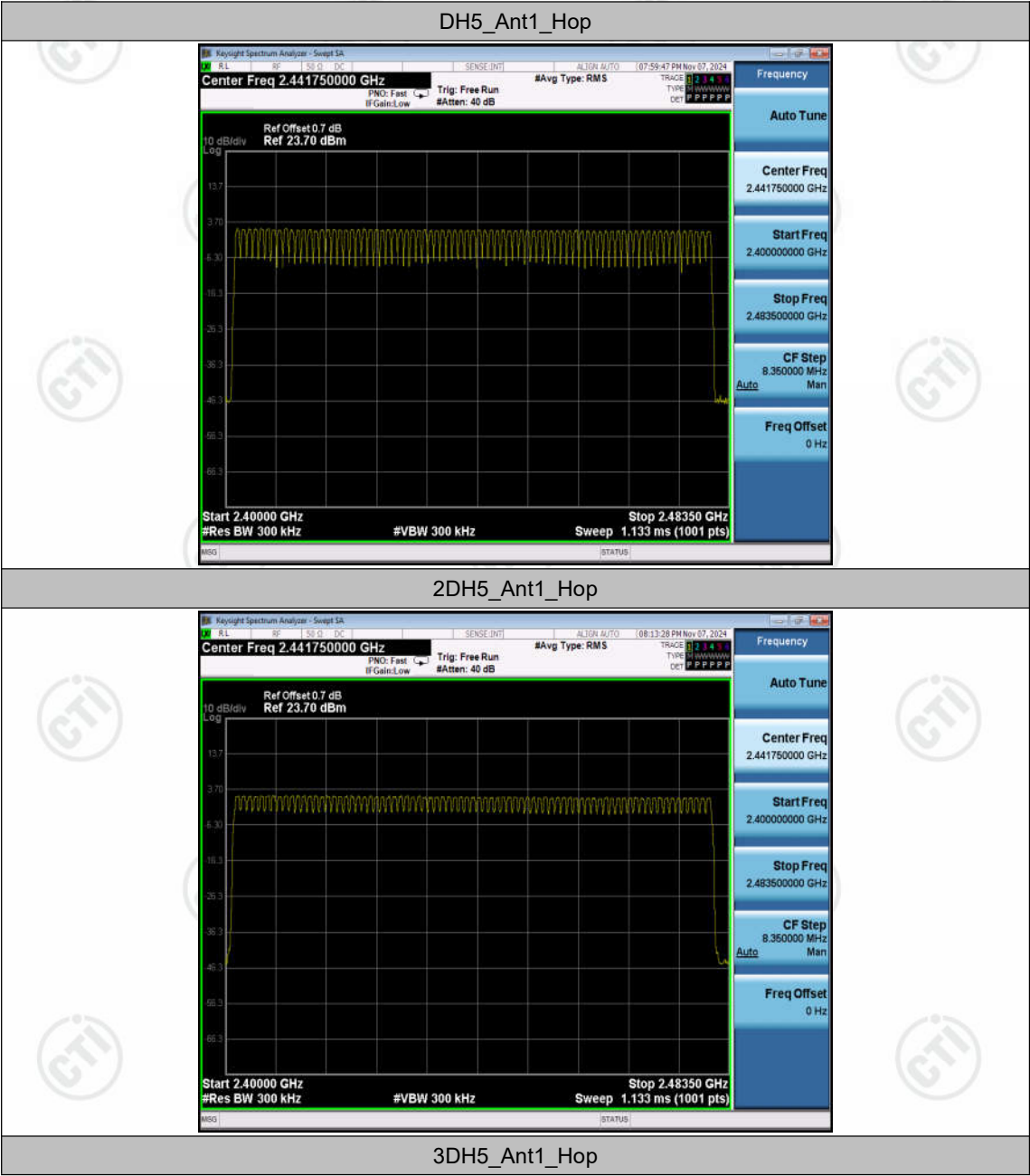


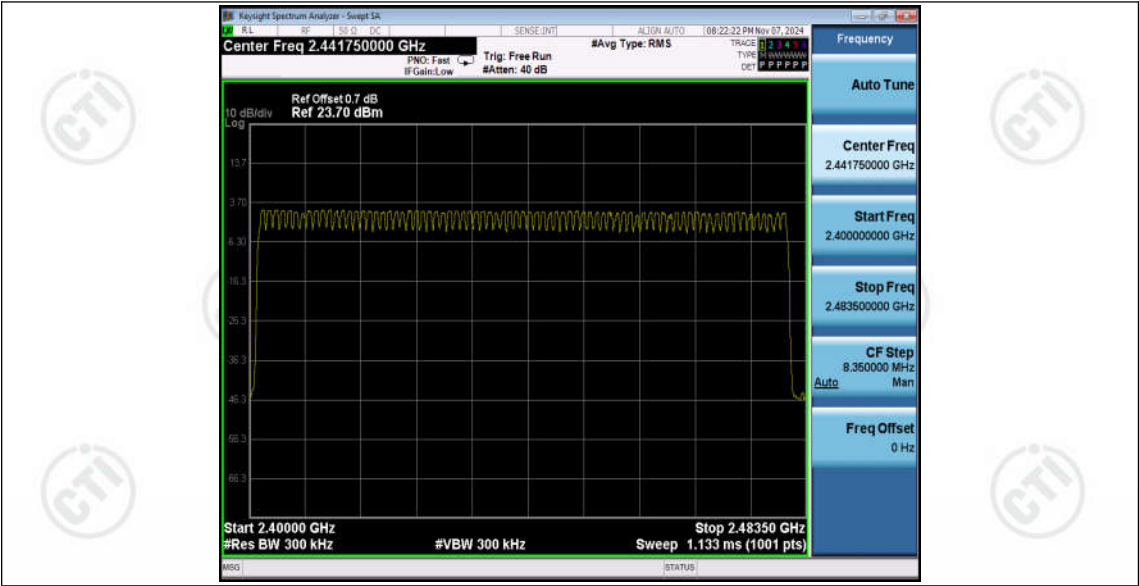
Appendix F: Number of hopping channels

Test Result

Test Mode	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





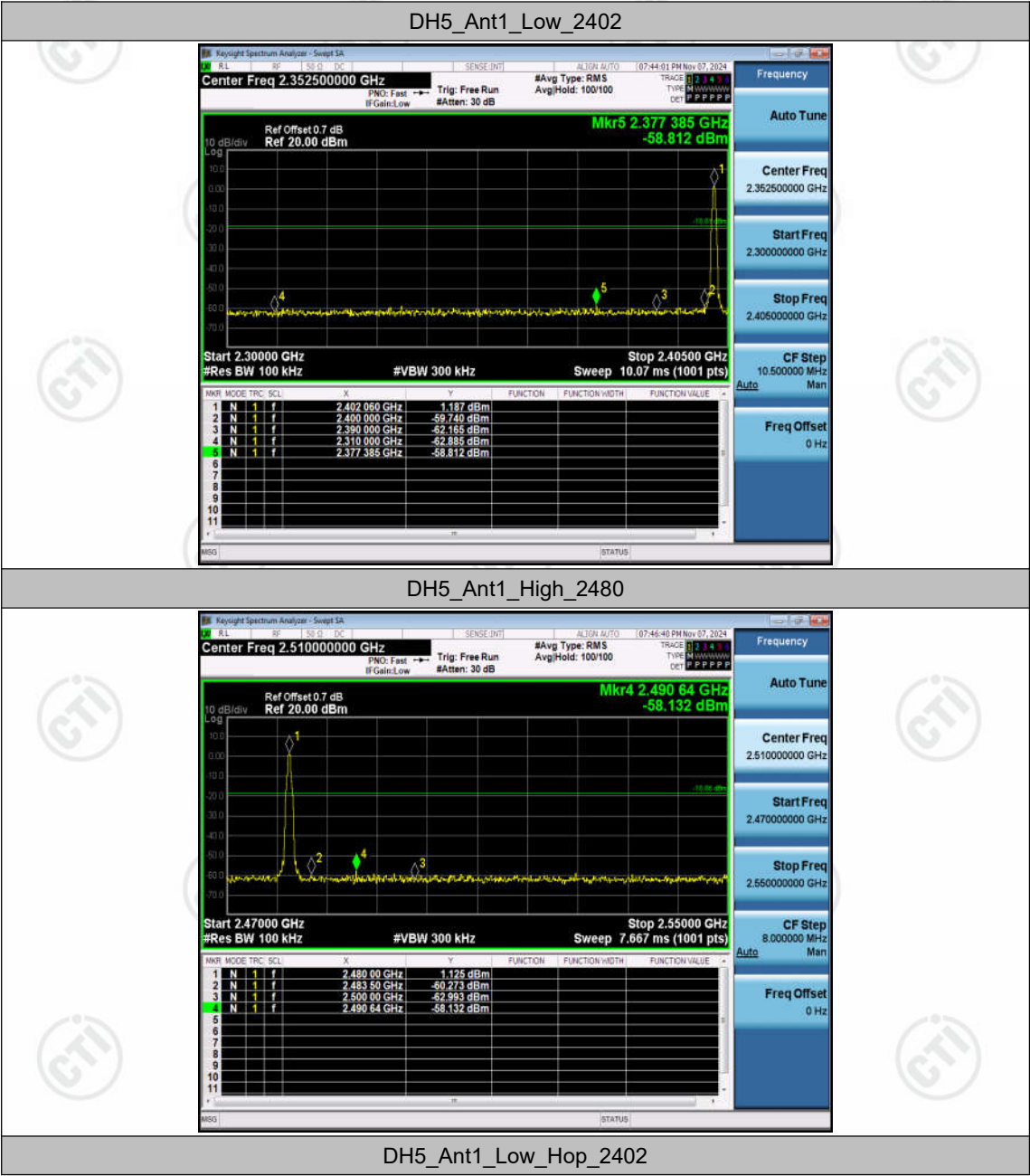
Appendix G: Band edge measurements

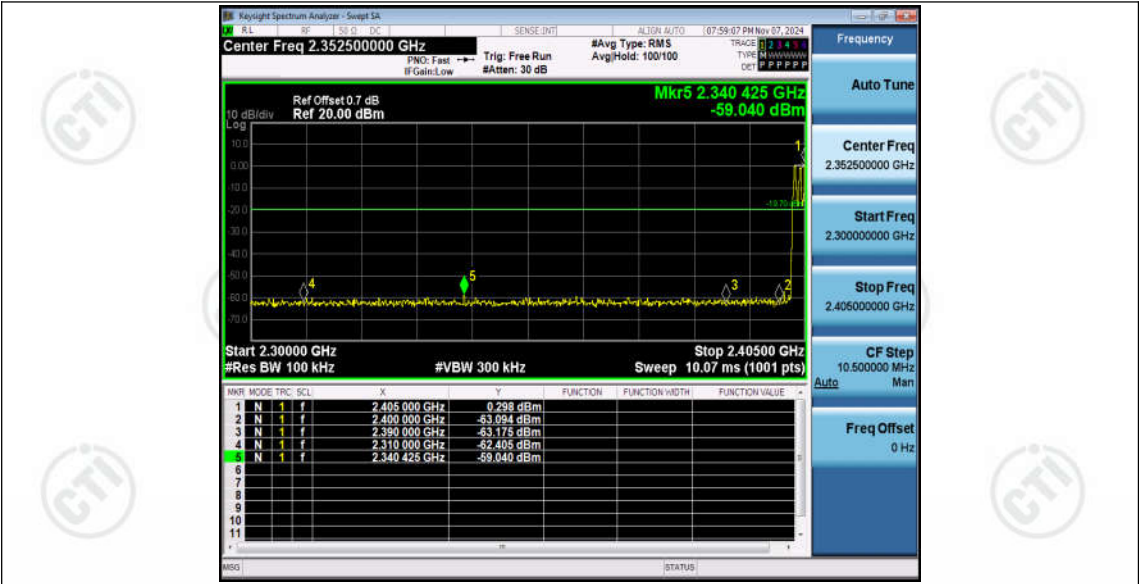
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.19	-58.81	≤-18.81	PASS
		High	2480	1.13	-58.13	≤-18.88	PASS
		Low	Hop_2402	0.30	-59.04	≤-19.7	PASS
		High	Hop_2480	0.79	-58.82	≤-19.21	PASS
2DH5	Ant1	Low	2402	1.32	-58.9	≤-18.68	PASS
		High	2480	0.27	-59.21	≤-19.73	PASS
		Low	Hop_2402	1.22	-58.87	≤-18.78	PASS
		High	Hop_2480	0.63	-57.64	≤-19.38	PASS
3DH5	Ant1	Low	2402	1.50	-59.45	≤-18.5	PASS
		High	2480	-0.72	-58.88	≤-20.72	PASS
		Low	Hop_2402	1.65	-58.75	≤-18.36	PASS
		High	Hop_2480	1.13	-57.29	≤-18.87	PASS

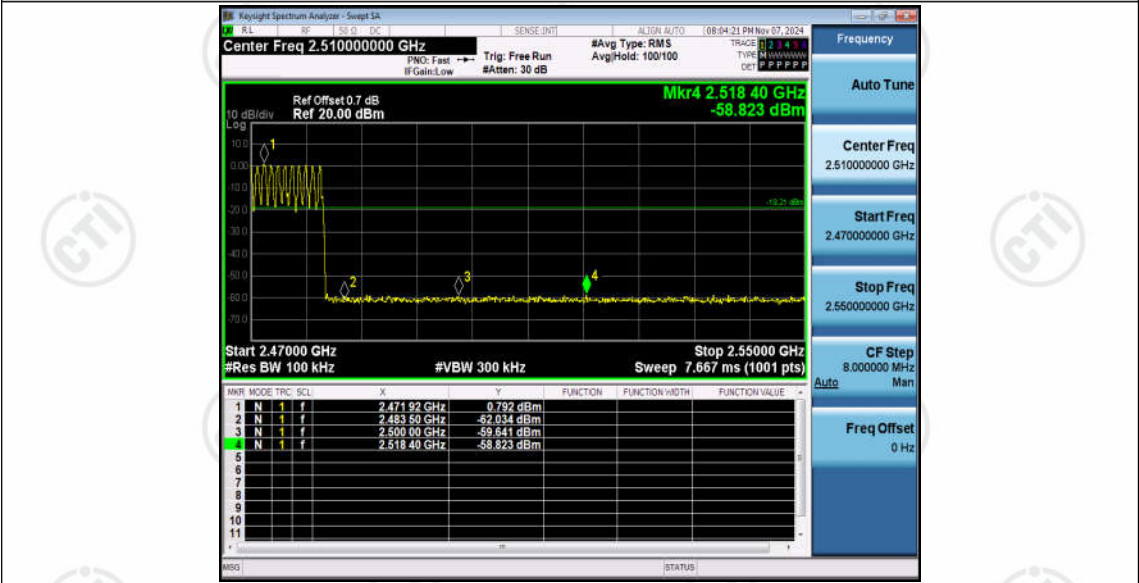
Note:Limit[dBm]=RefLevel [dBm]-20;

Test Graphs

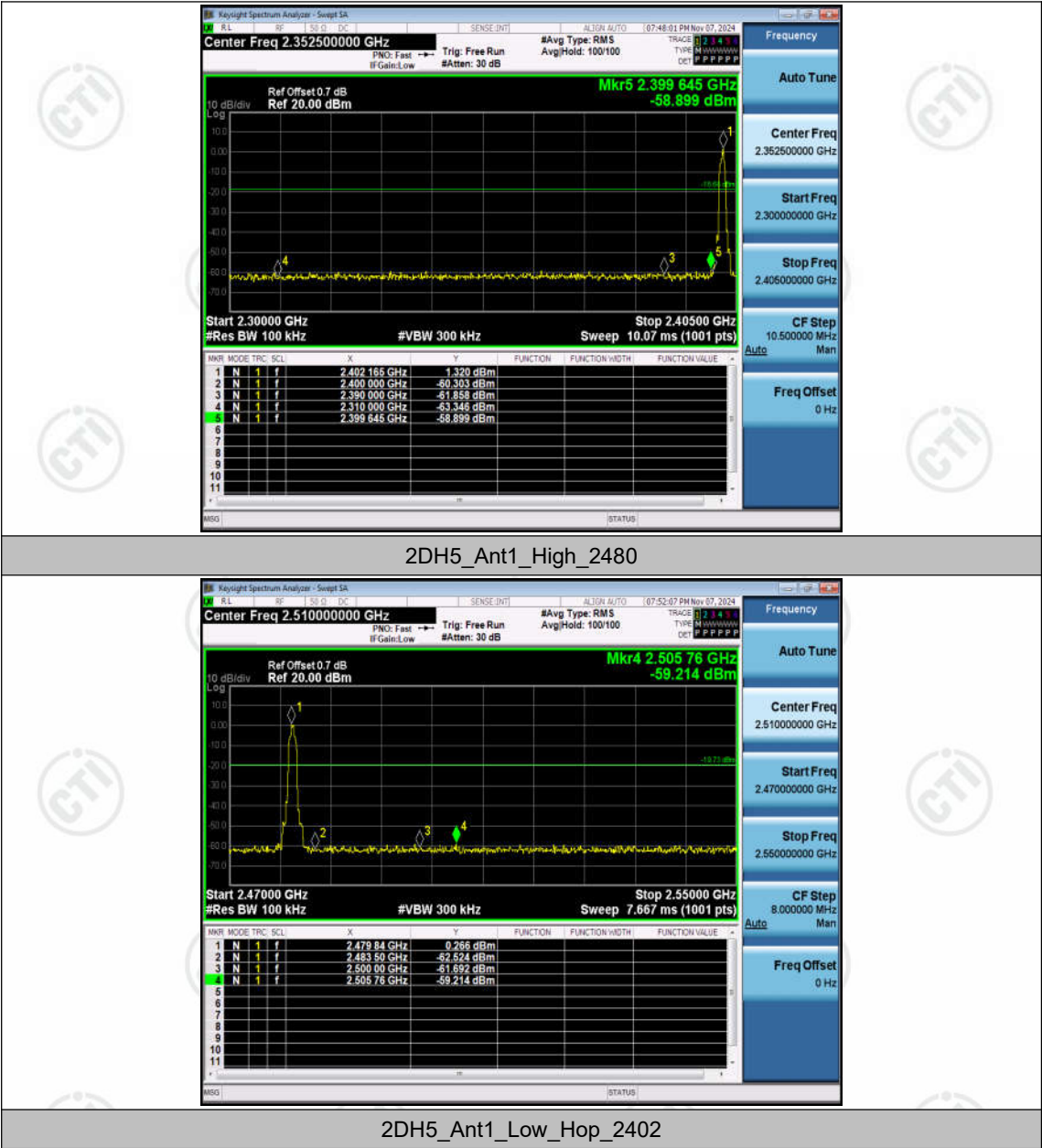


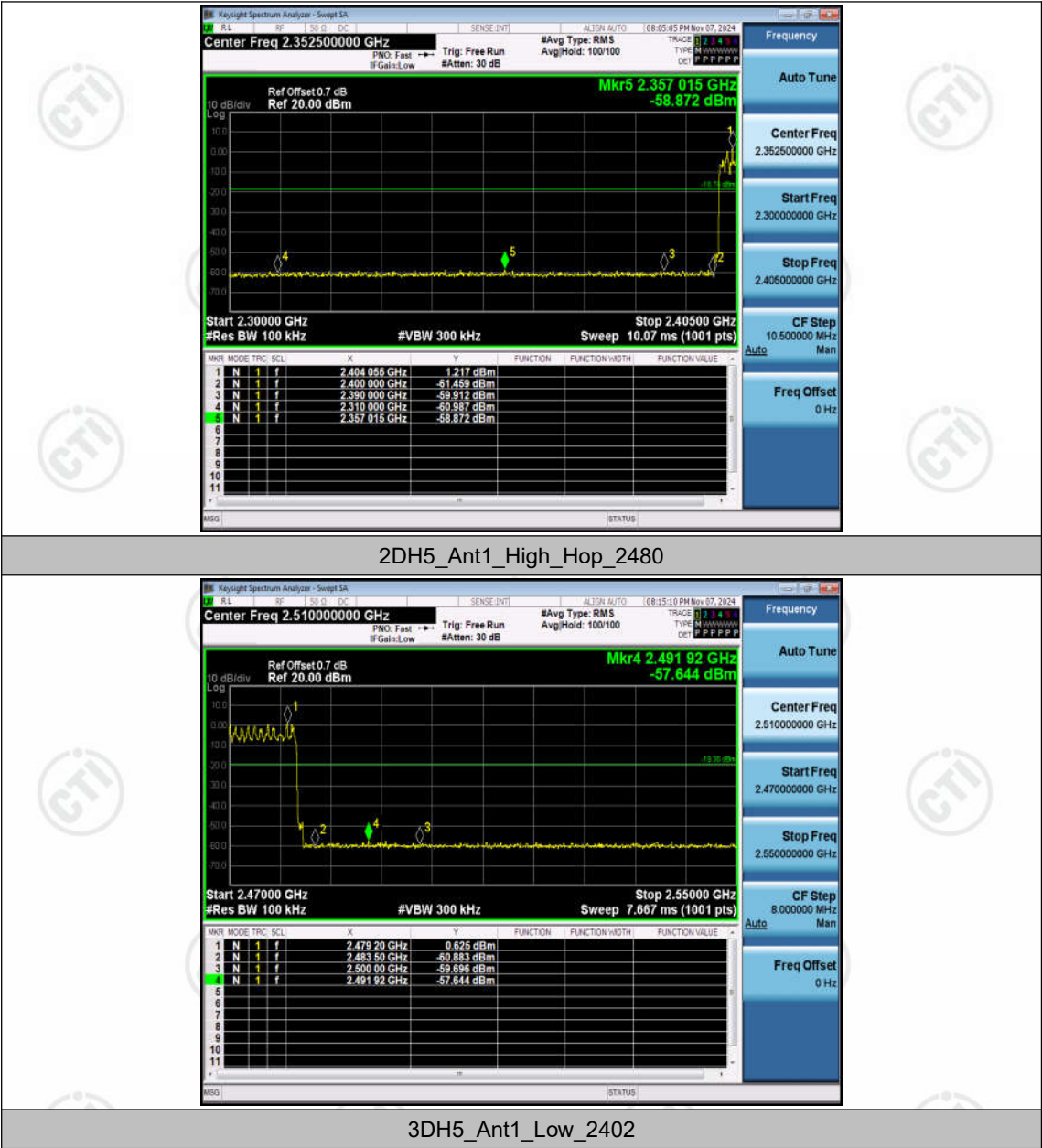


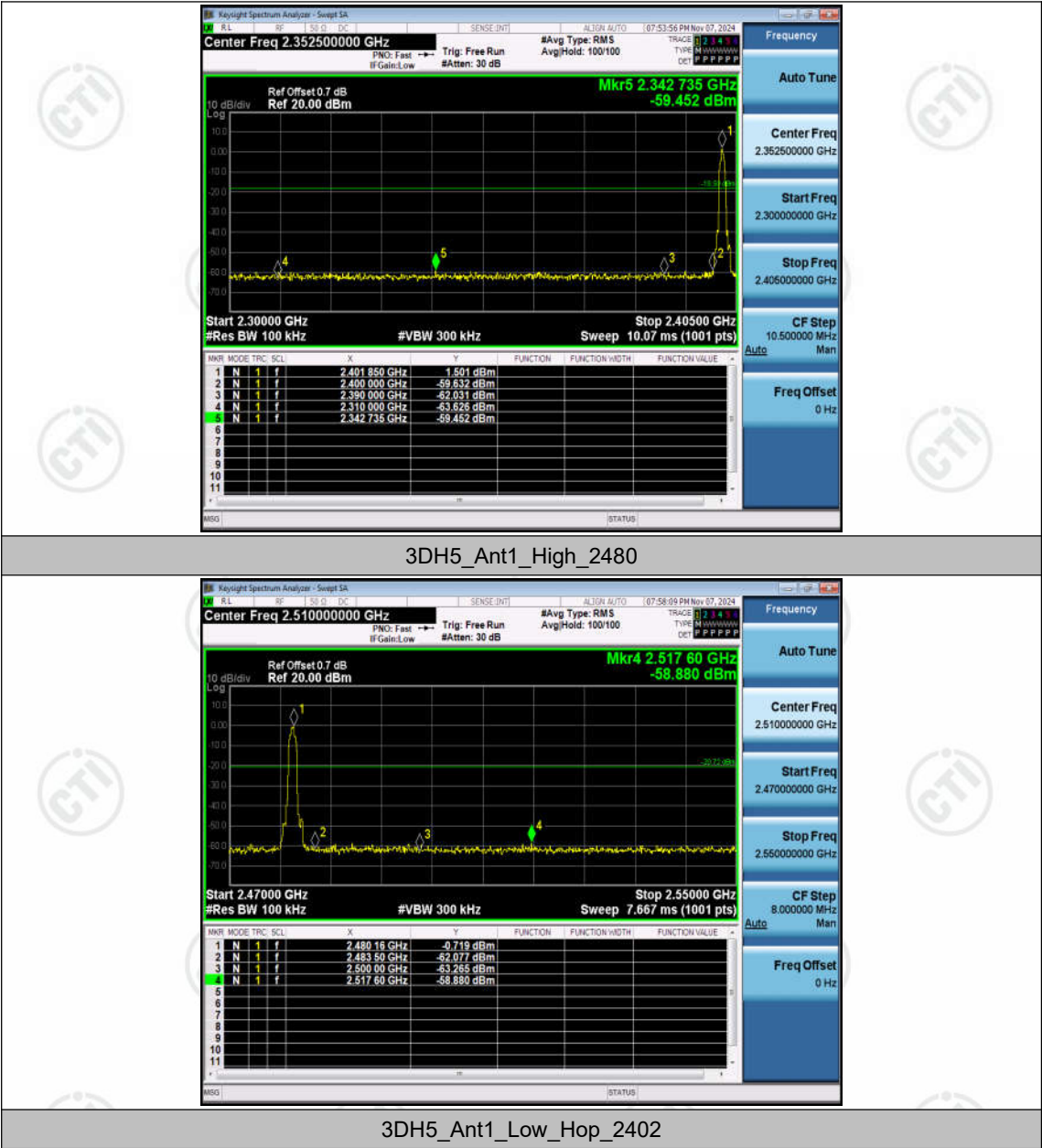
DH5_Ant1_High_Hop_2480

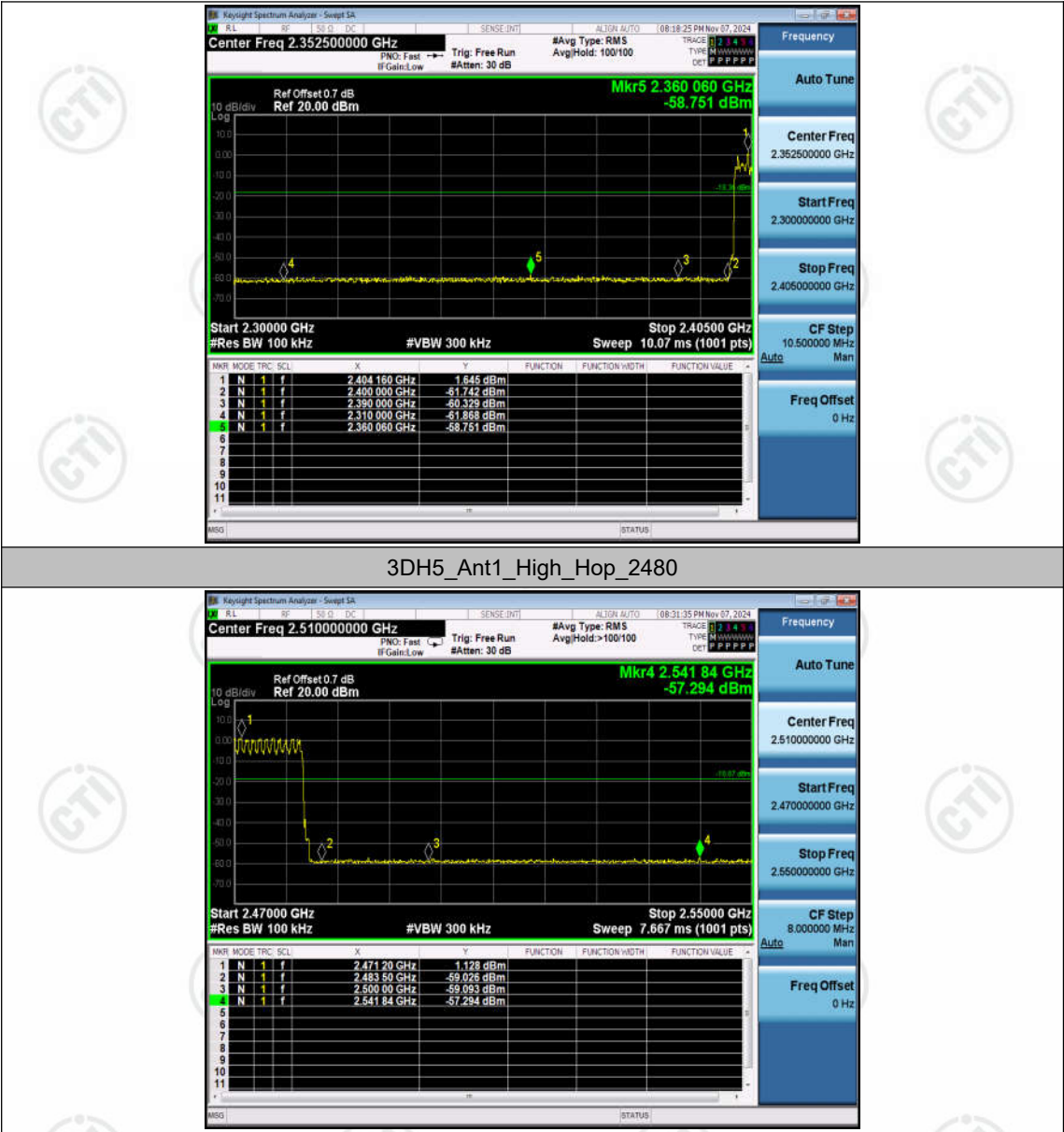


2DH5_Ant1_Low_2402









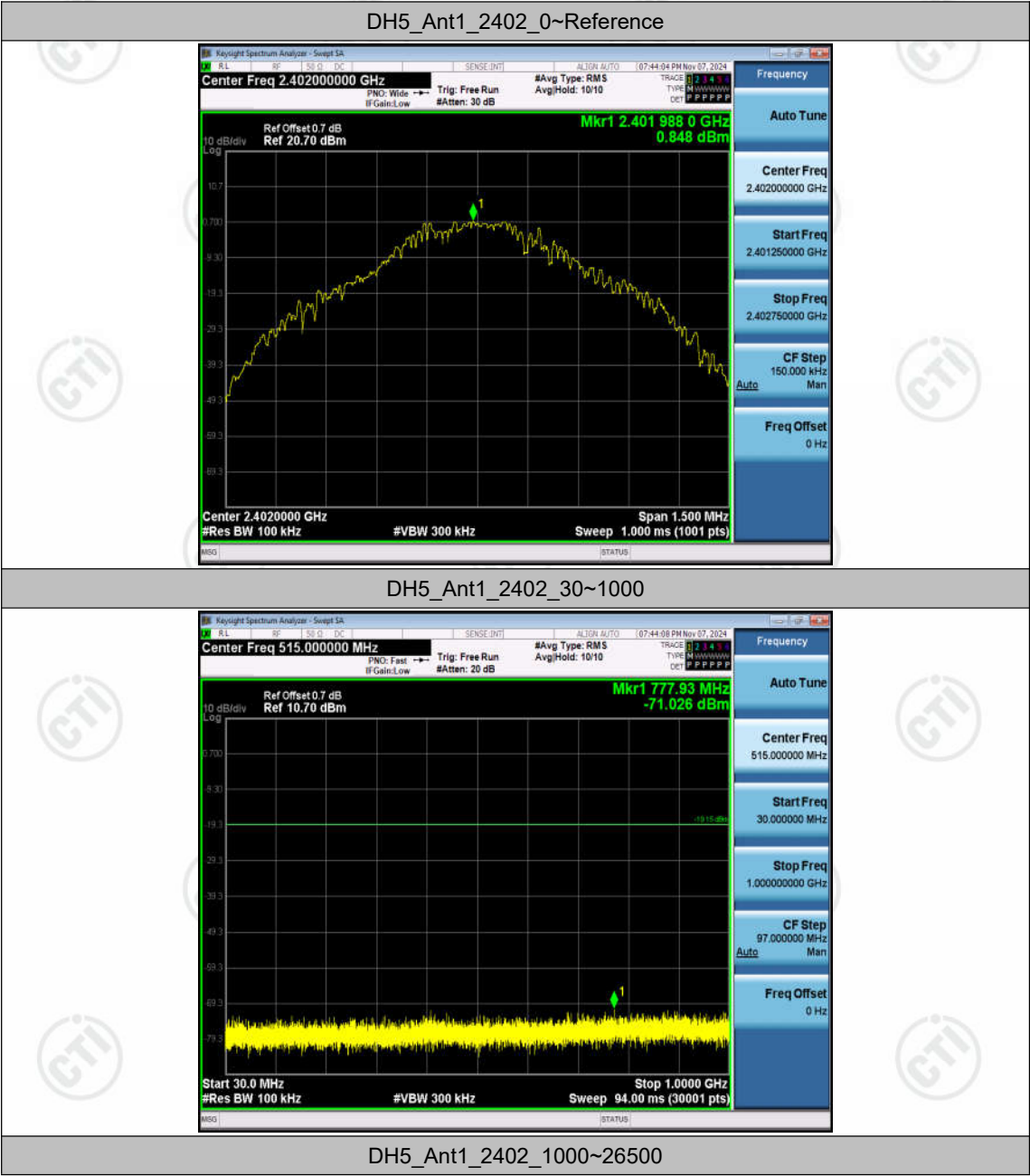
Appendix H: Conducted Spurious Emission

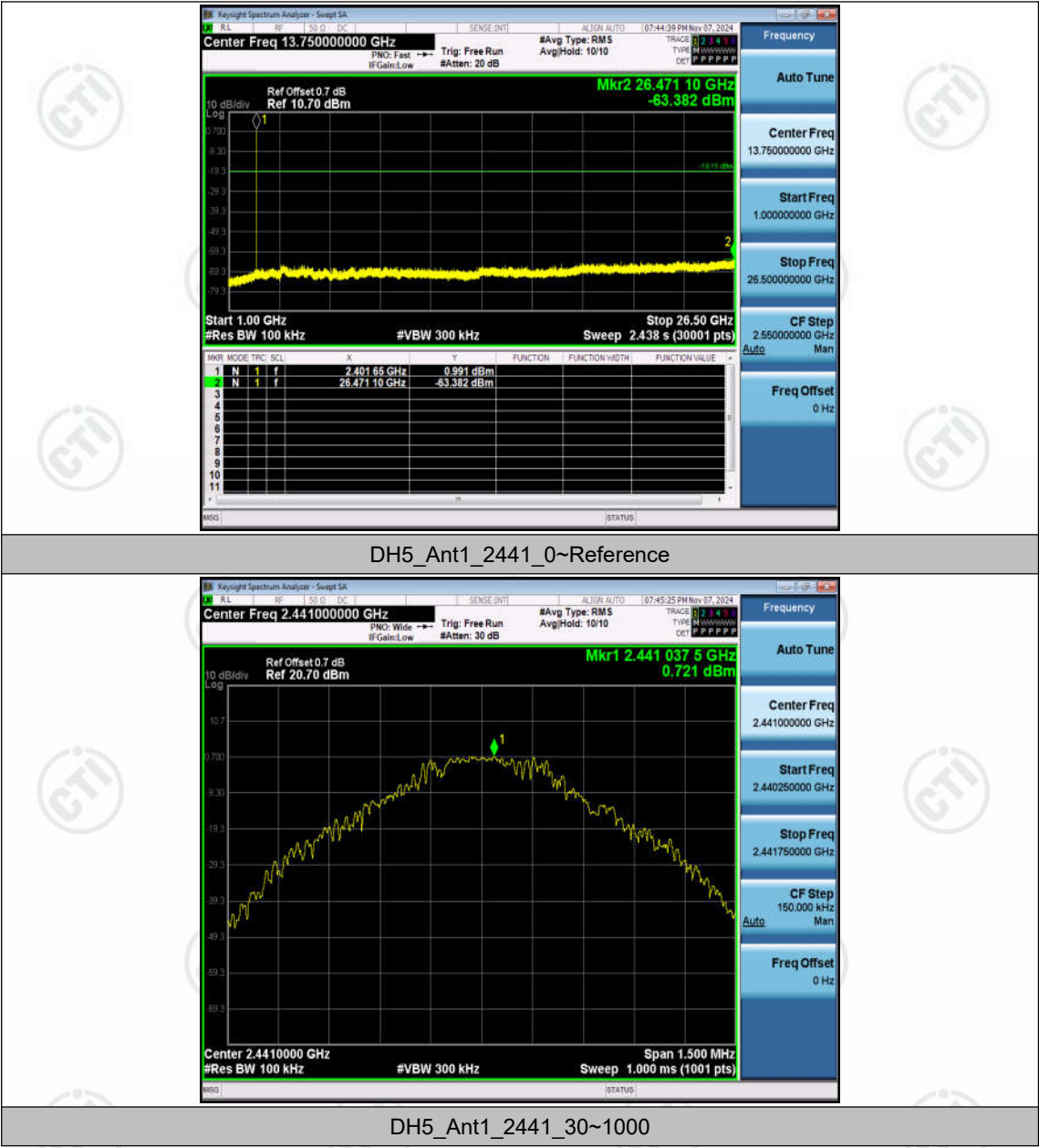
Test Result

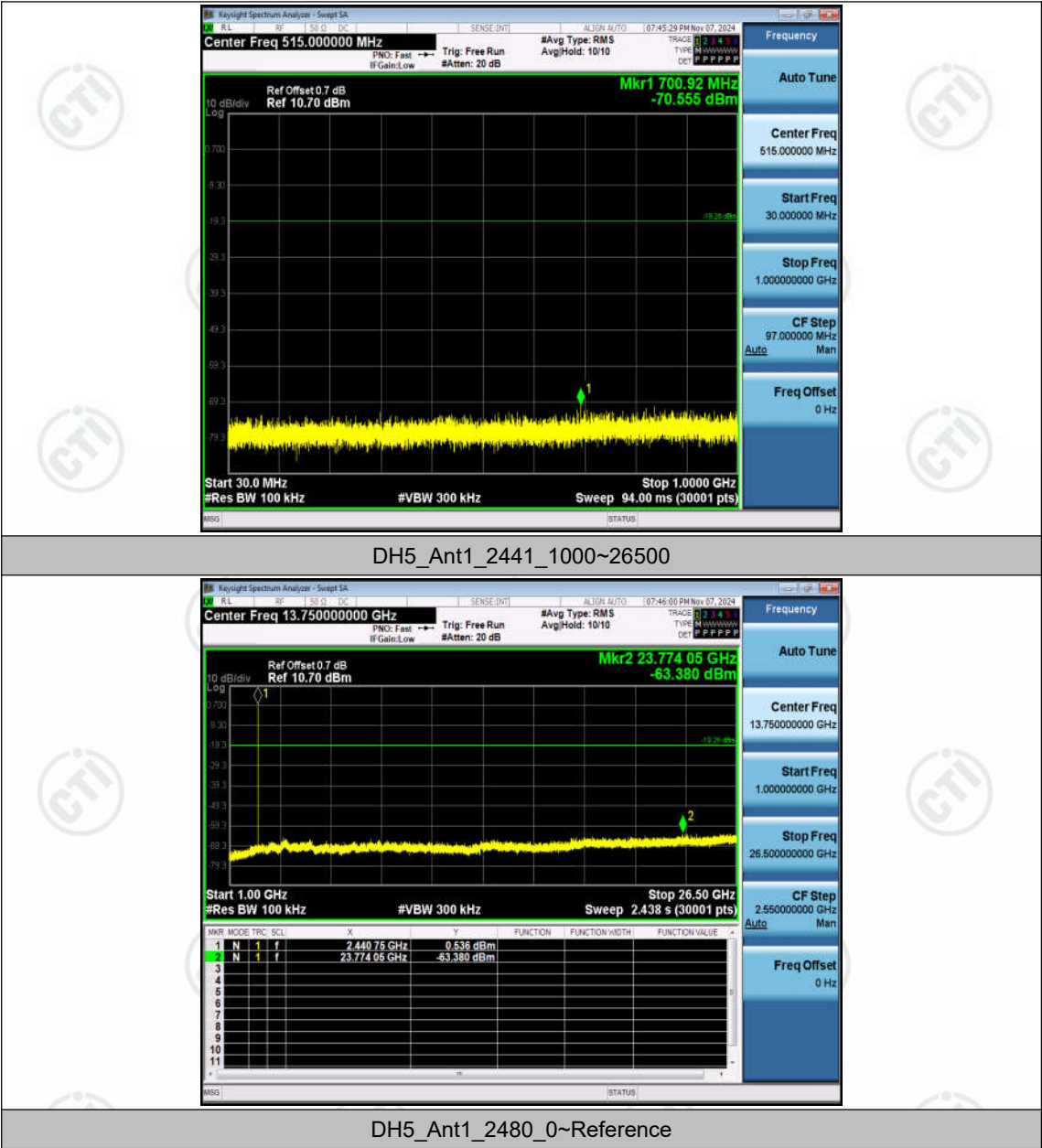
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.85	0.85	---	PASS
			30~1000	0.85	-71.03	≤-19.15	PASS
			1000~26500	0.85	-63.38	≤-19.15	PASS
		2441	Reference	0.72	0.72	---	PASS
			30~1000	0.72	-70.56	≤-19.28	PASS
			1000~26500	0.72	-63.38	≤-19.28	PASS
		2480	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-69.9	≤-19.71	PASS
			1000~26500	0.29	-62.03	≤-19.71	PASS
2DH5	Ant1	2402	Reference	-4.09	-4.09	---	PASS
			30~1000	-4.09	-71.09	≤-24.09	PASS
			1000~26500	-4.09	-62.63	≤-24.09	PASS
		2441	Reference	-4.21	-4.21	---	PASS
			30~1000	-4.21	-71.12	≤-24.21	PASS
			1000~26500	-4.21	-62.98	≤-24.21	PASS
		2480	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-70.23	≤-19.59	PASS
			1000~26500	0.41	-62.69	≤-19.59	PASS
3DH5	Ant1	2402	Reference	-1.84	-1.84	---	PASS
			30~1000	-1.84	-71.07	≤-21.84	PASS
			1000~26500	-1.84	-62.84	≤-21.84	PASS
		2441	Reference	-0.21	-0.21	---	PASS
			30~1000	-0.21	-70.95	≤-20.21	PASS
			1000~26500	-0.21	-62.49	≤-20.21	PASS
		2480	Reference	-3.86	-3.86	---	PASS
			30~1000	-3.86	-70.94	≤-23.86	PASS
			1000~26500	-3.86	-63.02	≤-23.86	PASS

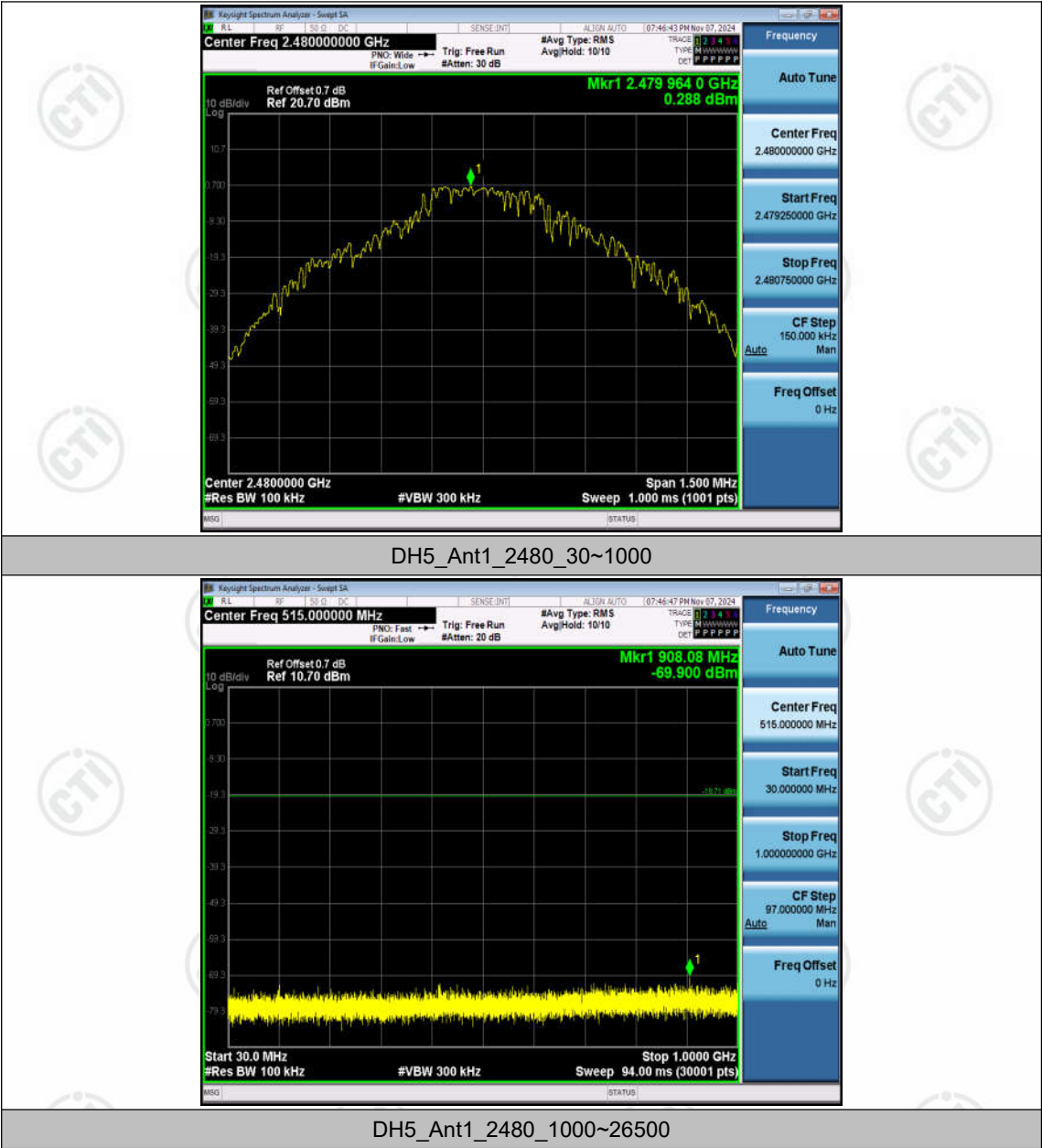
Note:Limit[dBm]=RefLevel[dBm]-20;

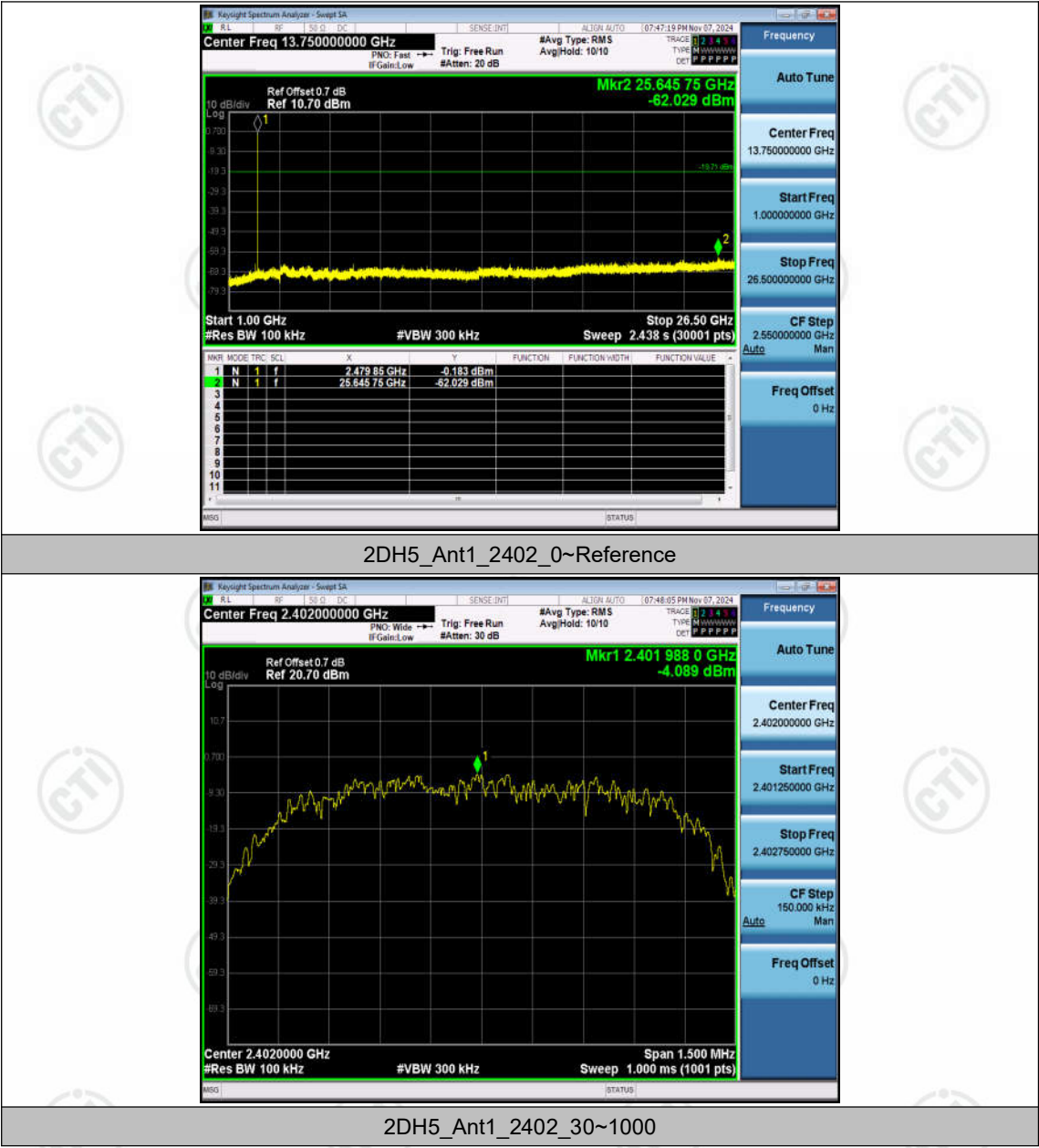
Test Graphs

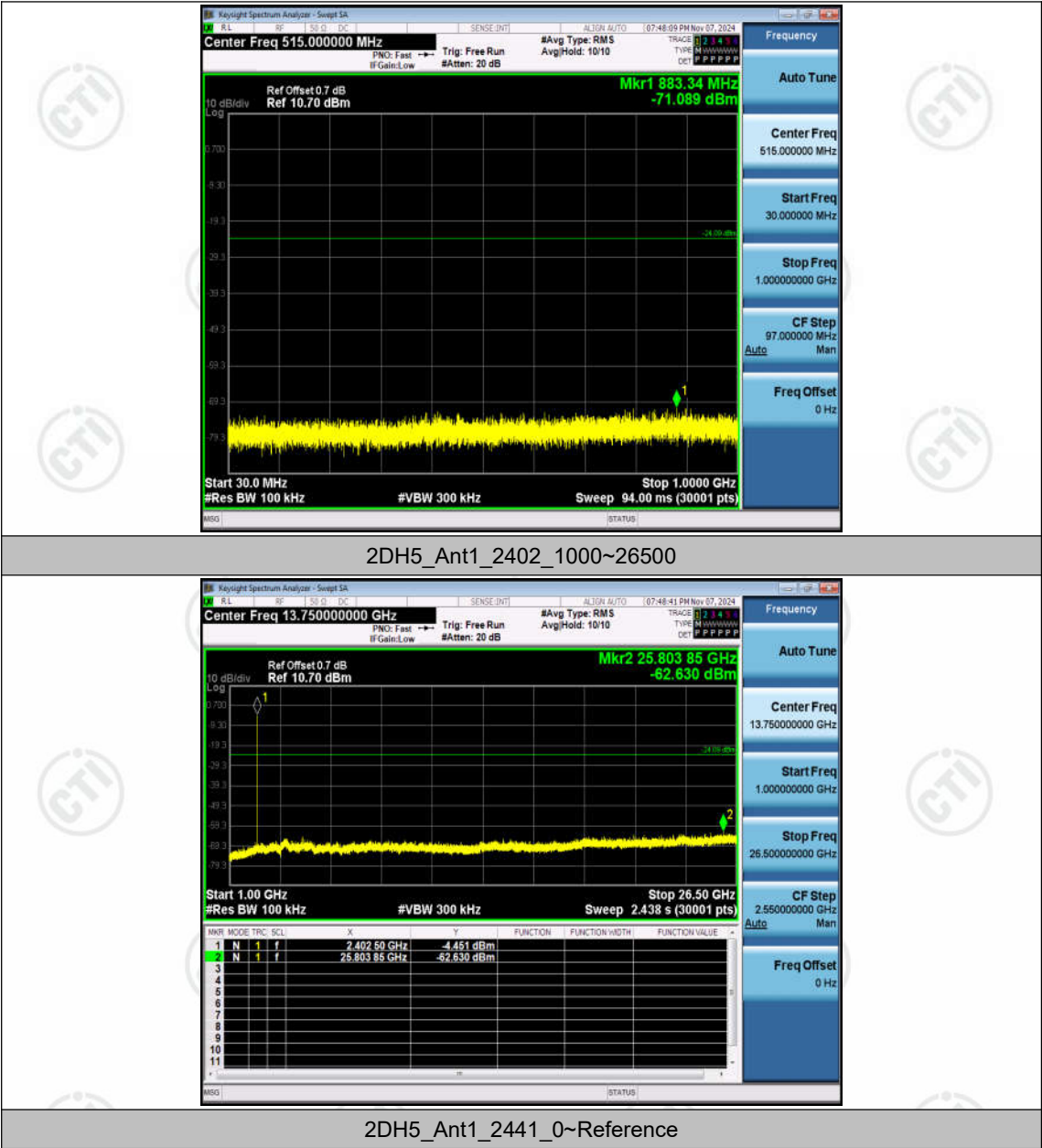


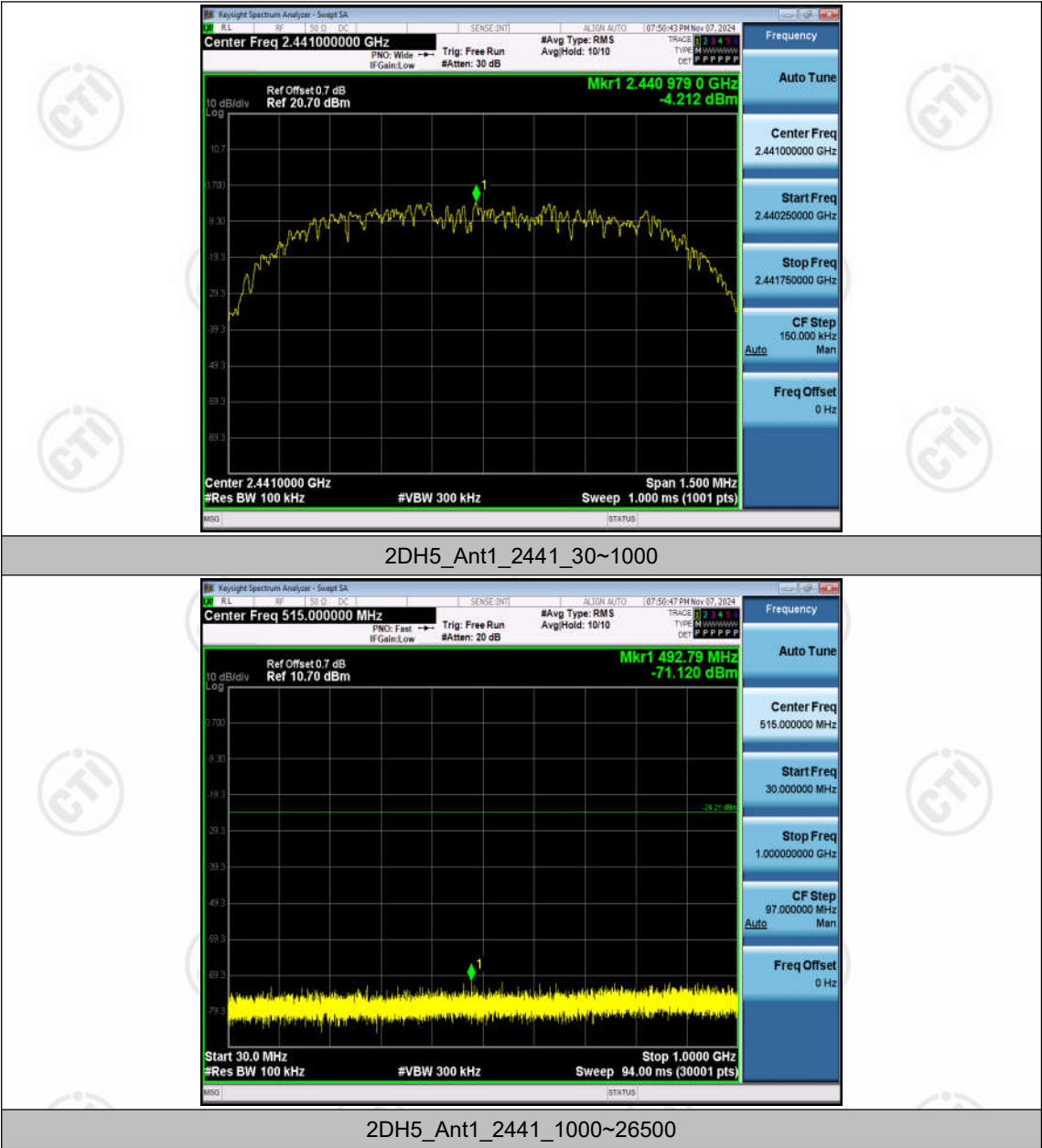


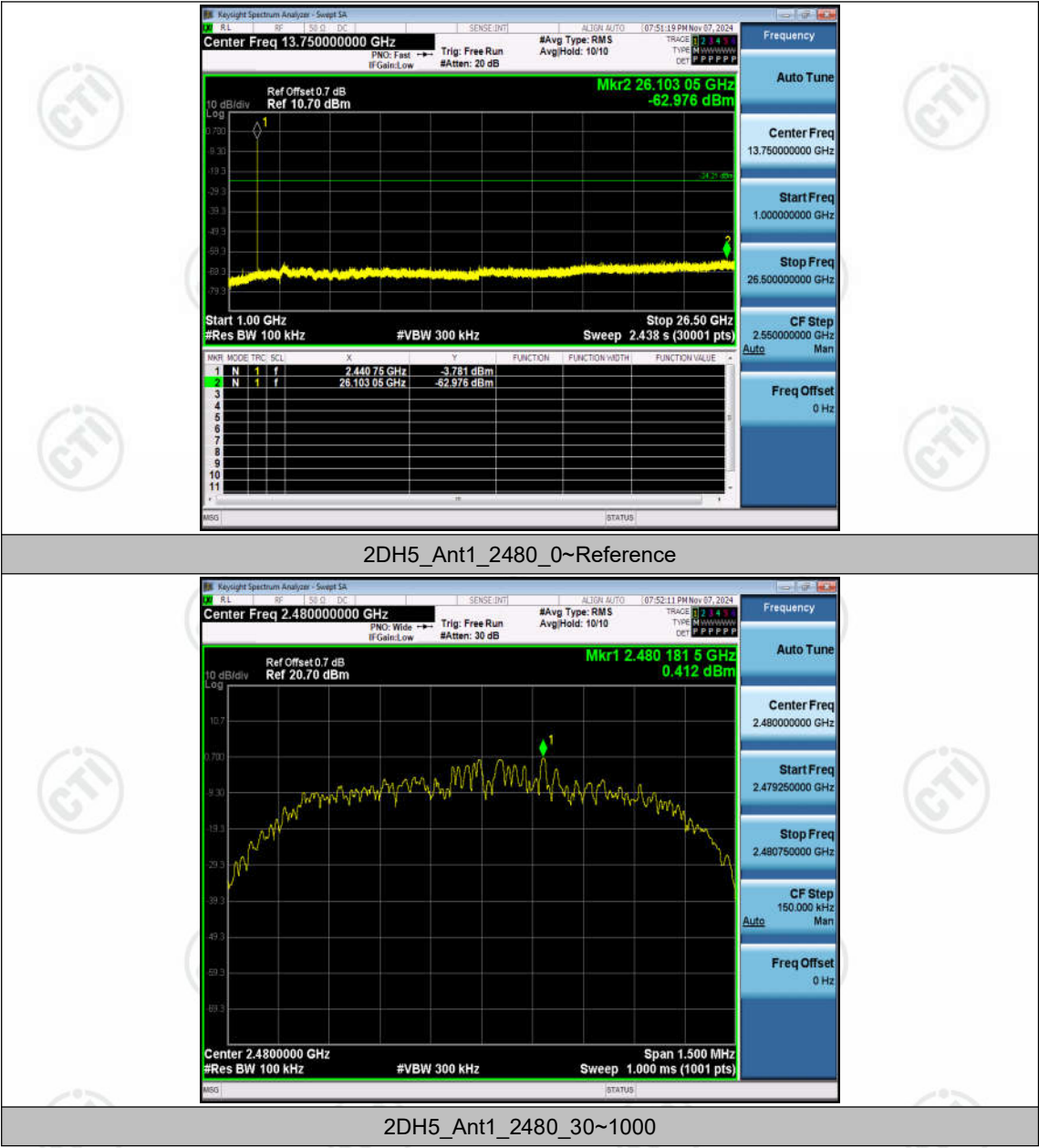


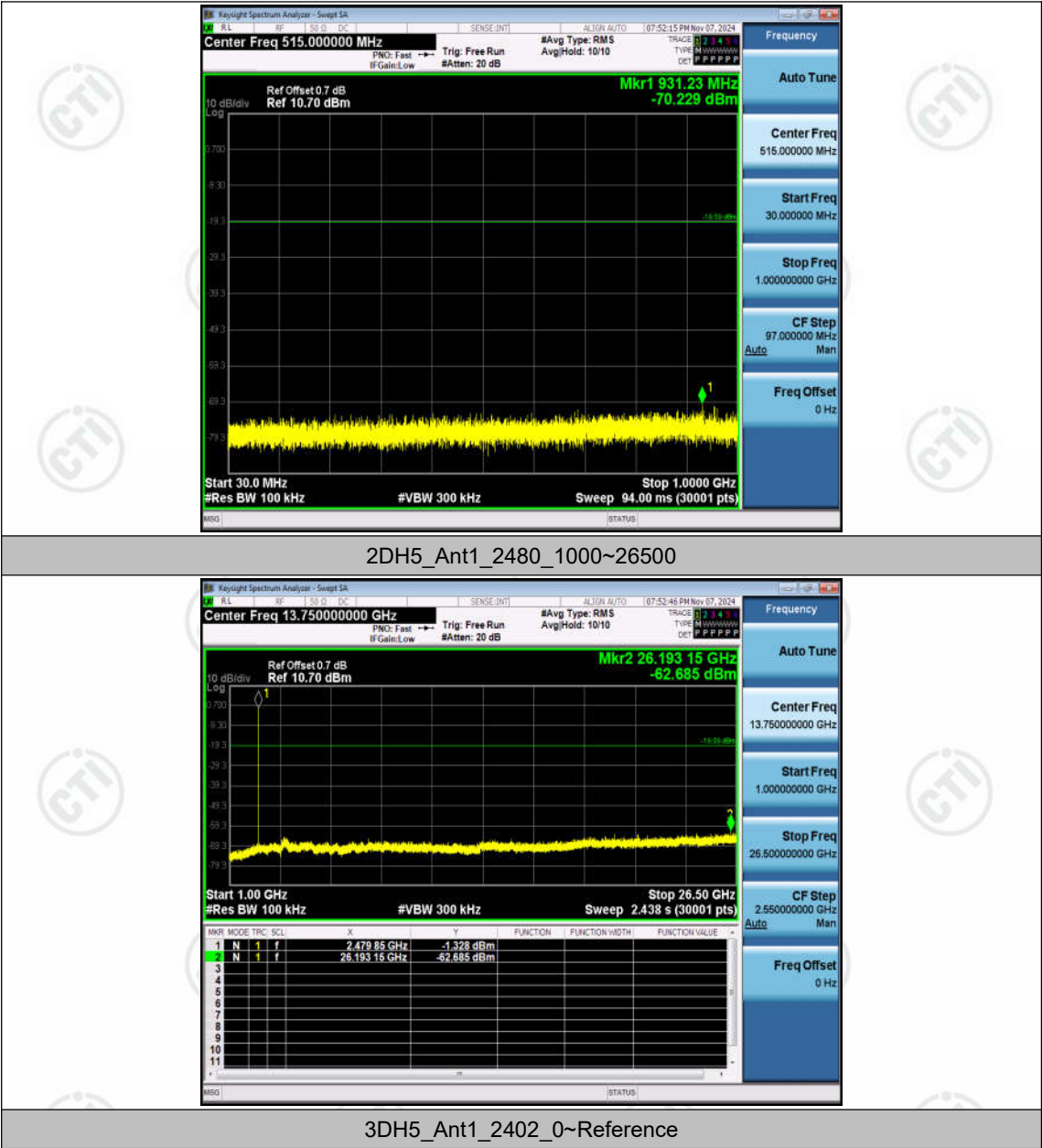


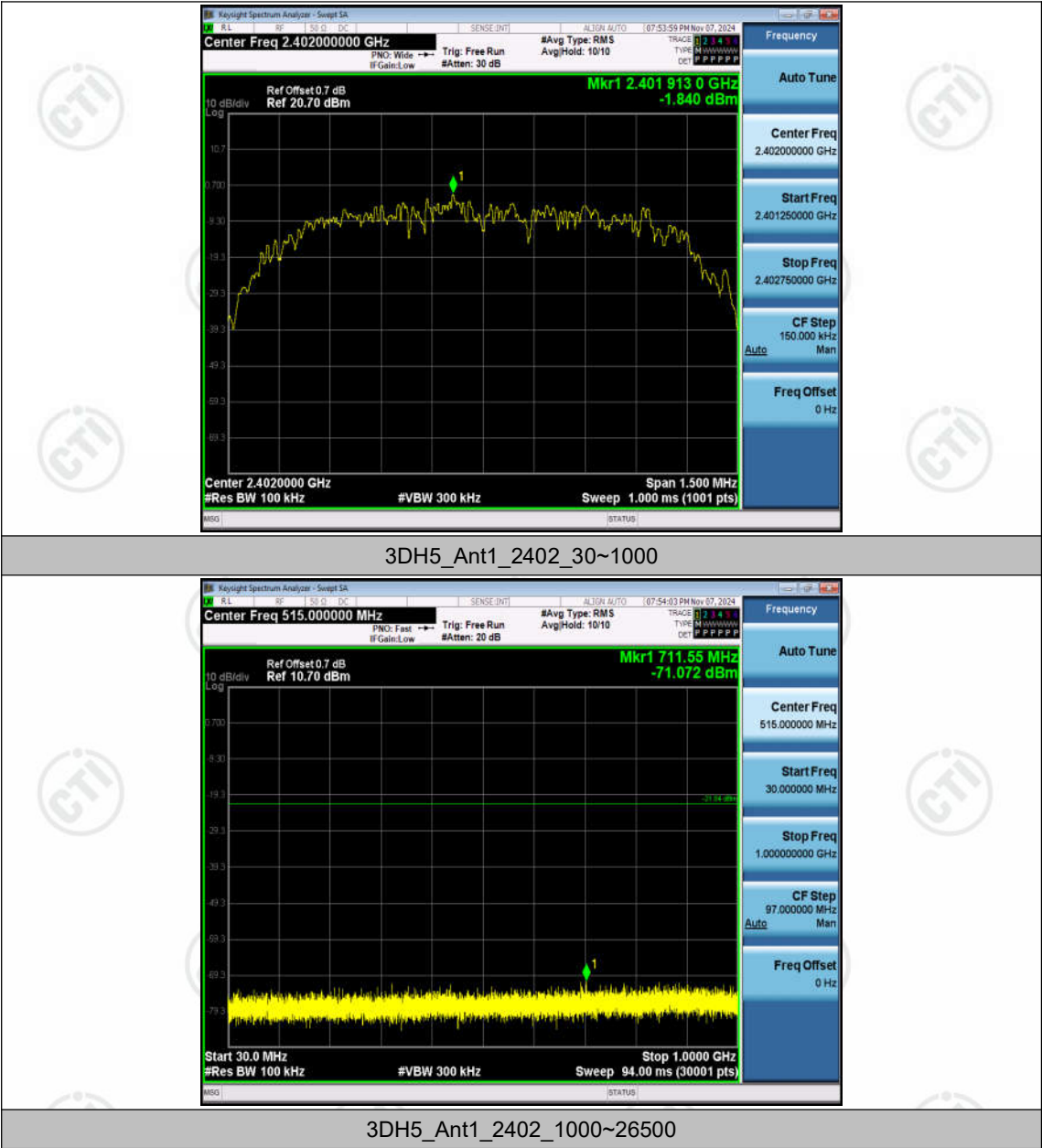


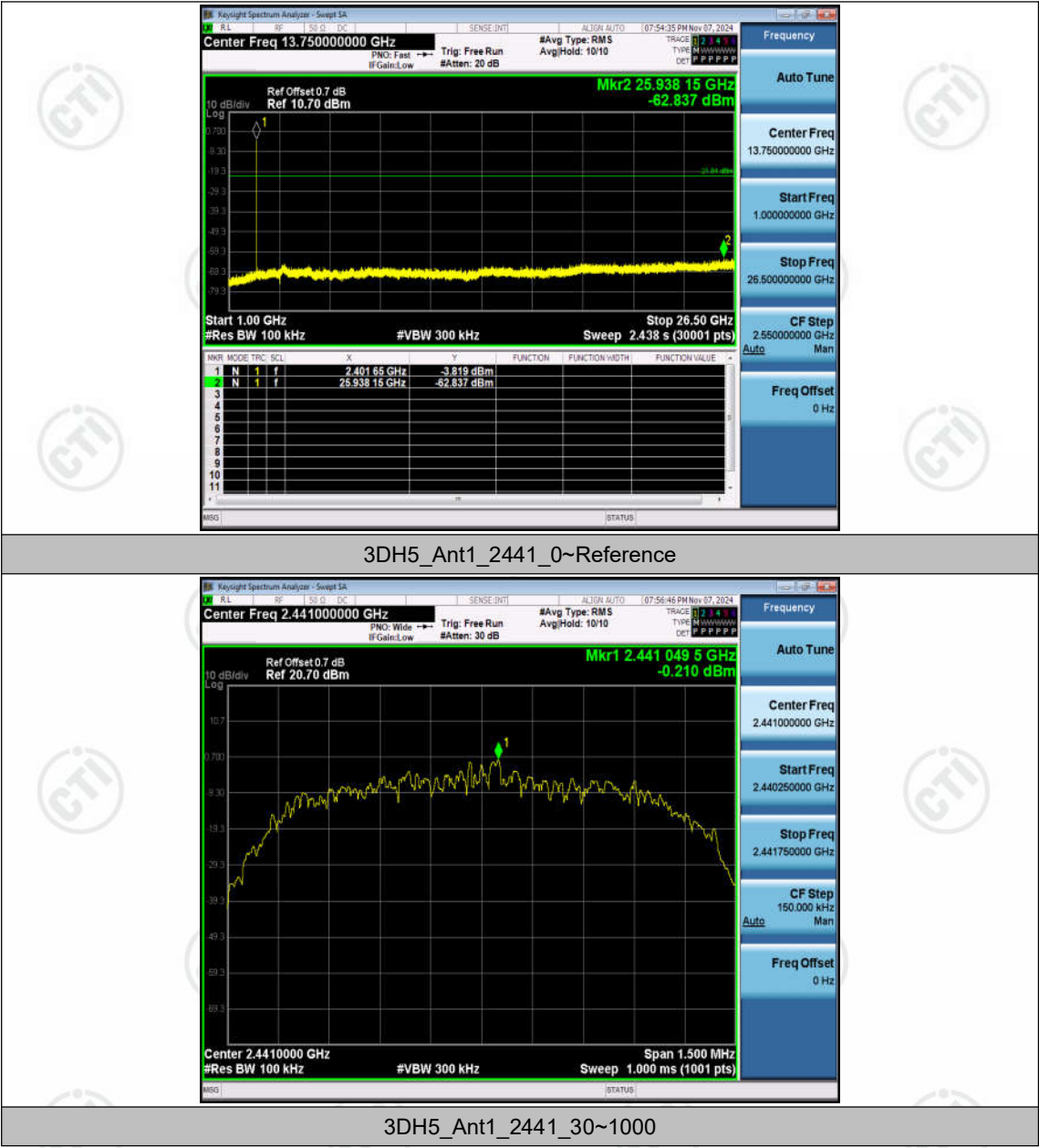


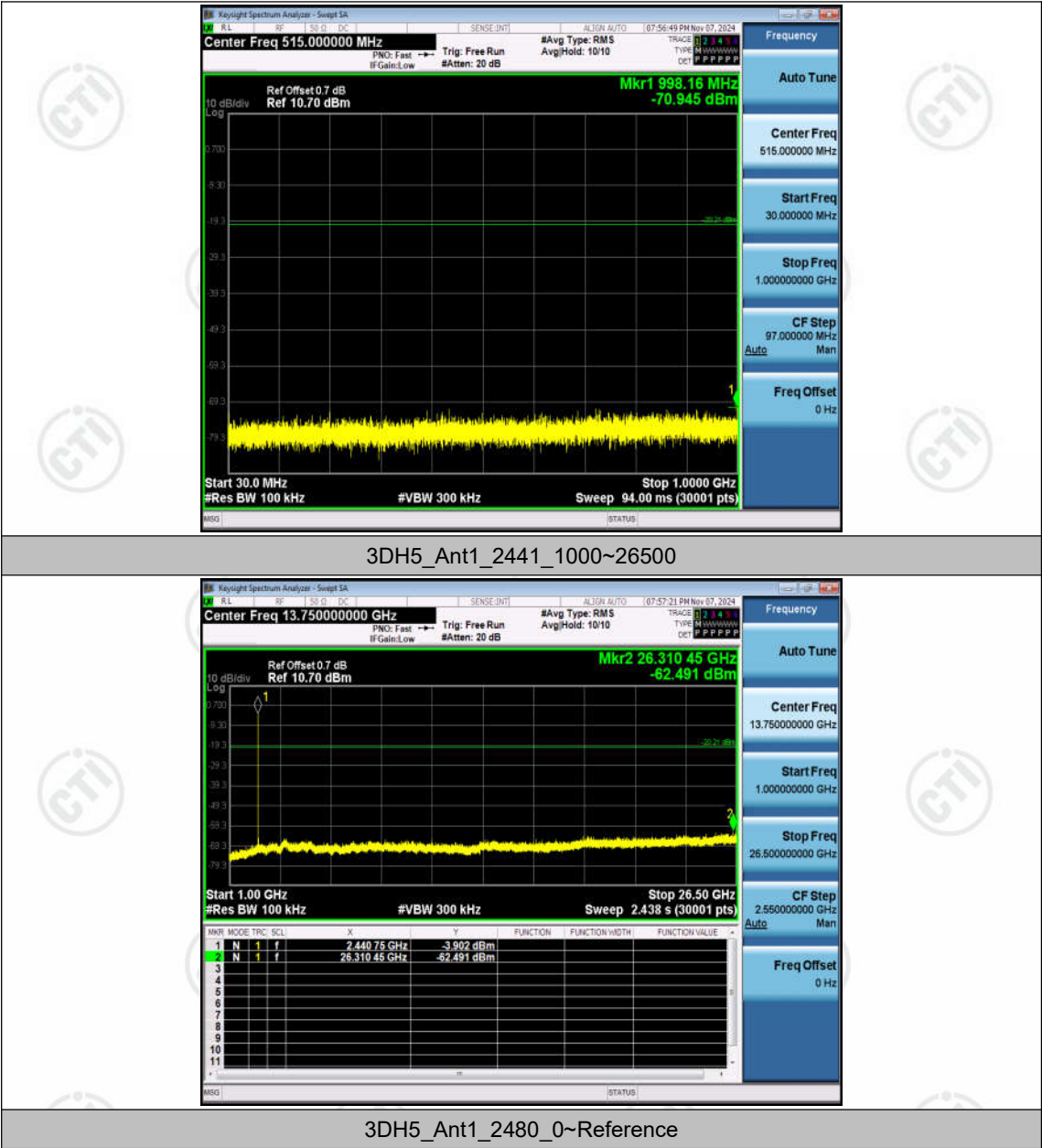


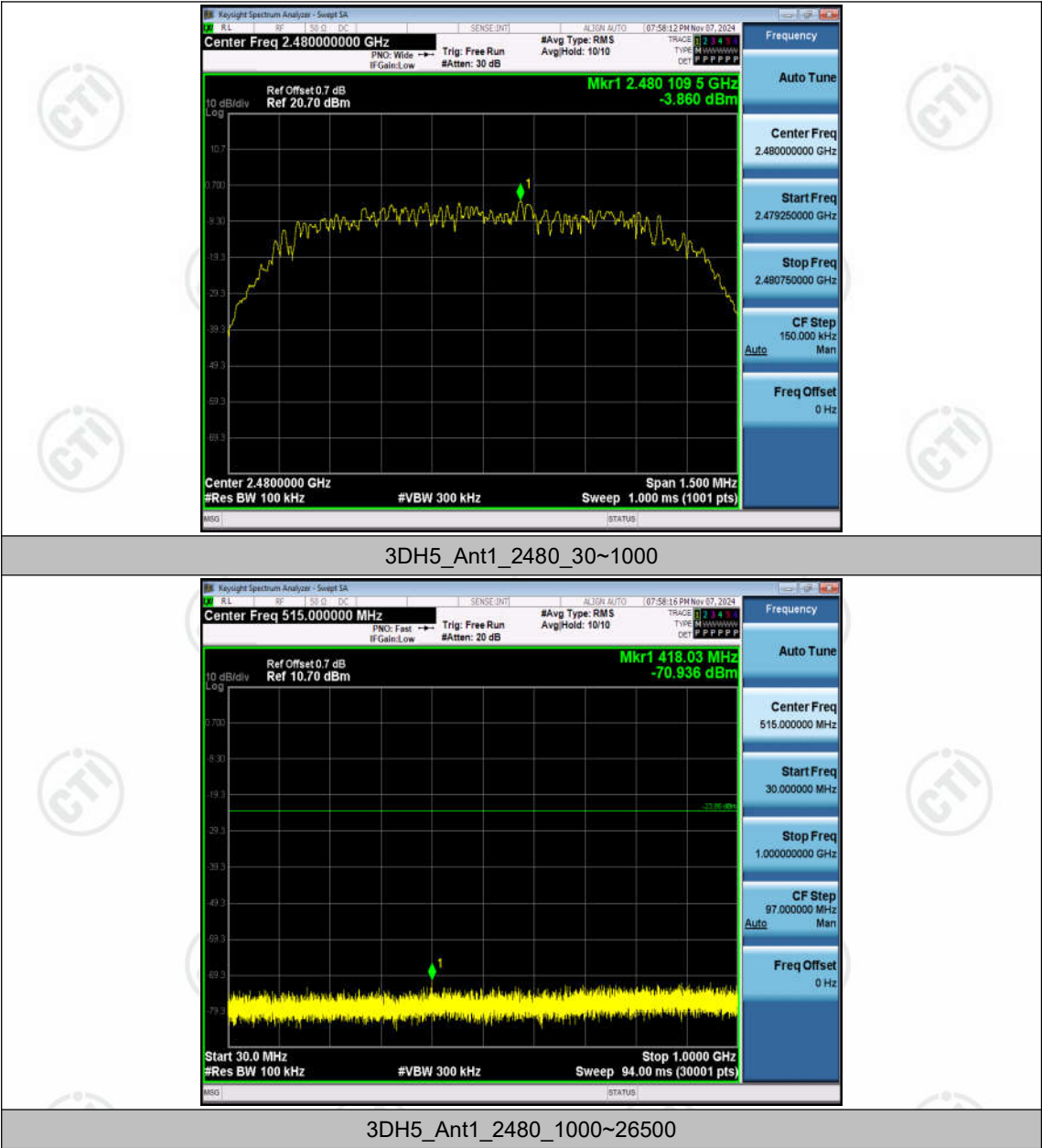


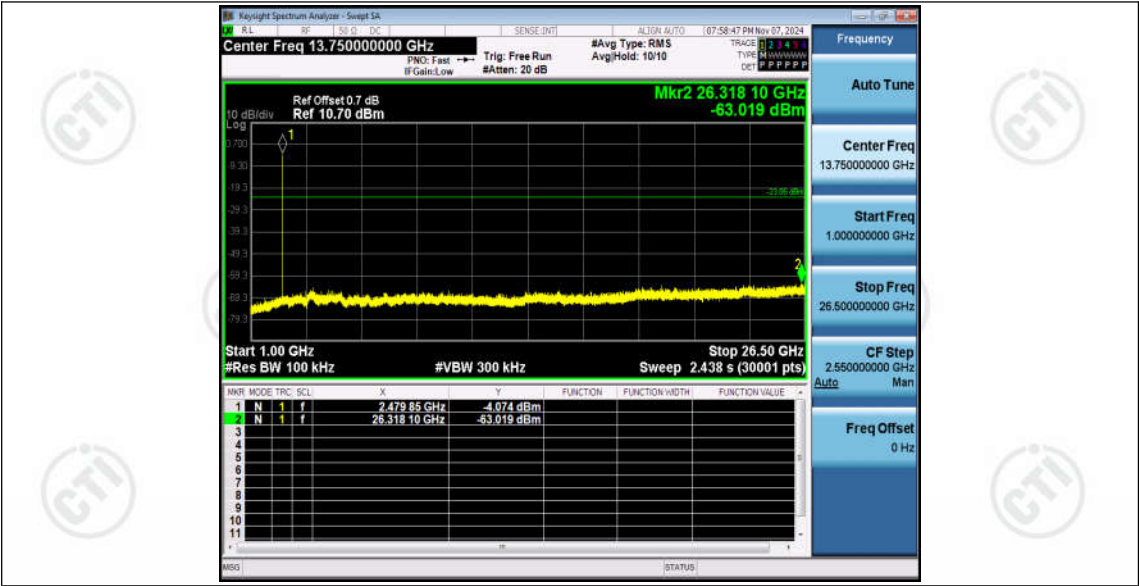












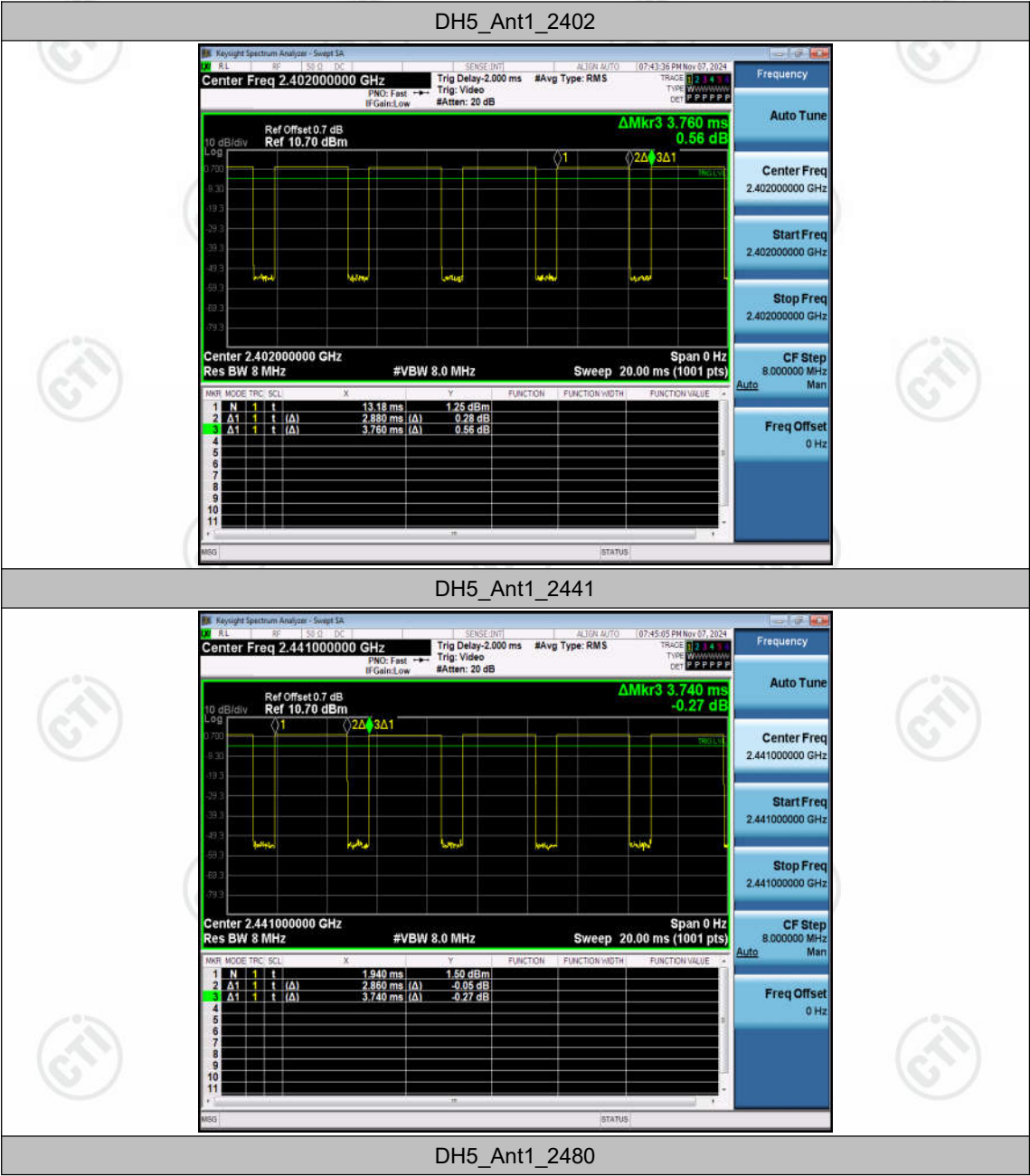
Appendix I: Duty Cycle

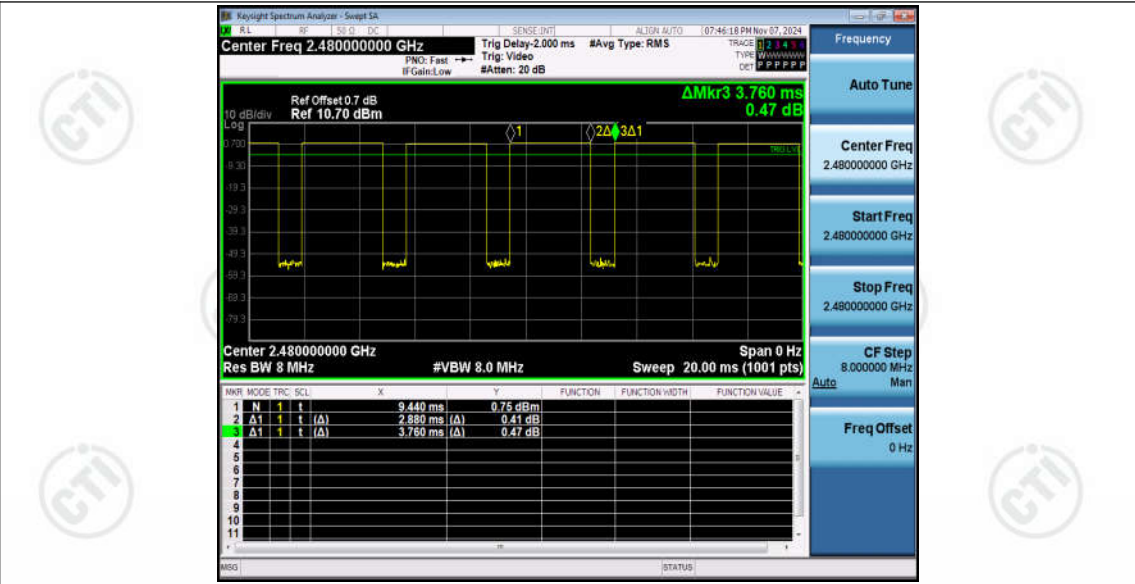
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.76	76.60	1.16
		2441	2.86	3.74	76.47	1.17
		2480	2.88	3.76	76.60	1.16
2DH5	Ant1	2402	2.88	3.76	76.60	1.16
		2441	2.88	3.74	77.01	1.13
		2480	2.88	3.76	76.60	1.16
3DH5	Ant1	2402	2.88	3.74	77.01	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.88	3.76	76.60	1.16

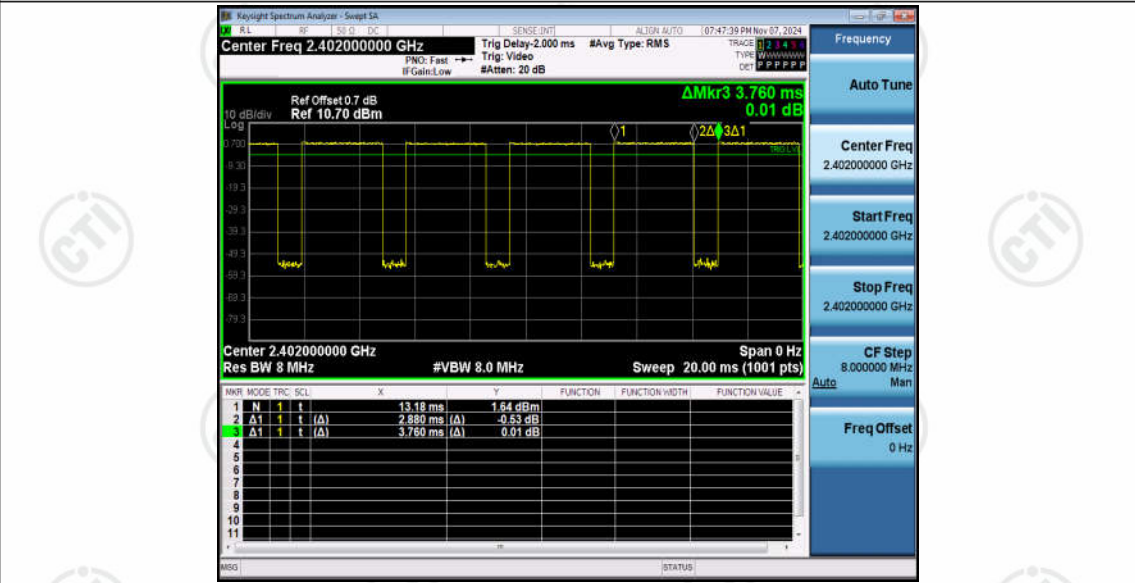
Note:Duty Cycle Factor[dB]=-10*Ig(Duty Cycle[%]*100);

Test Graphs

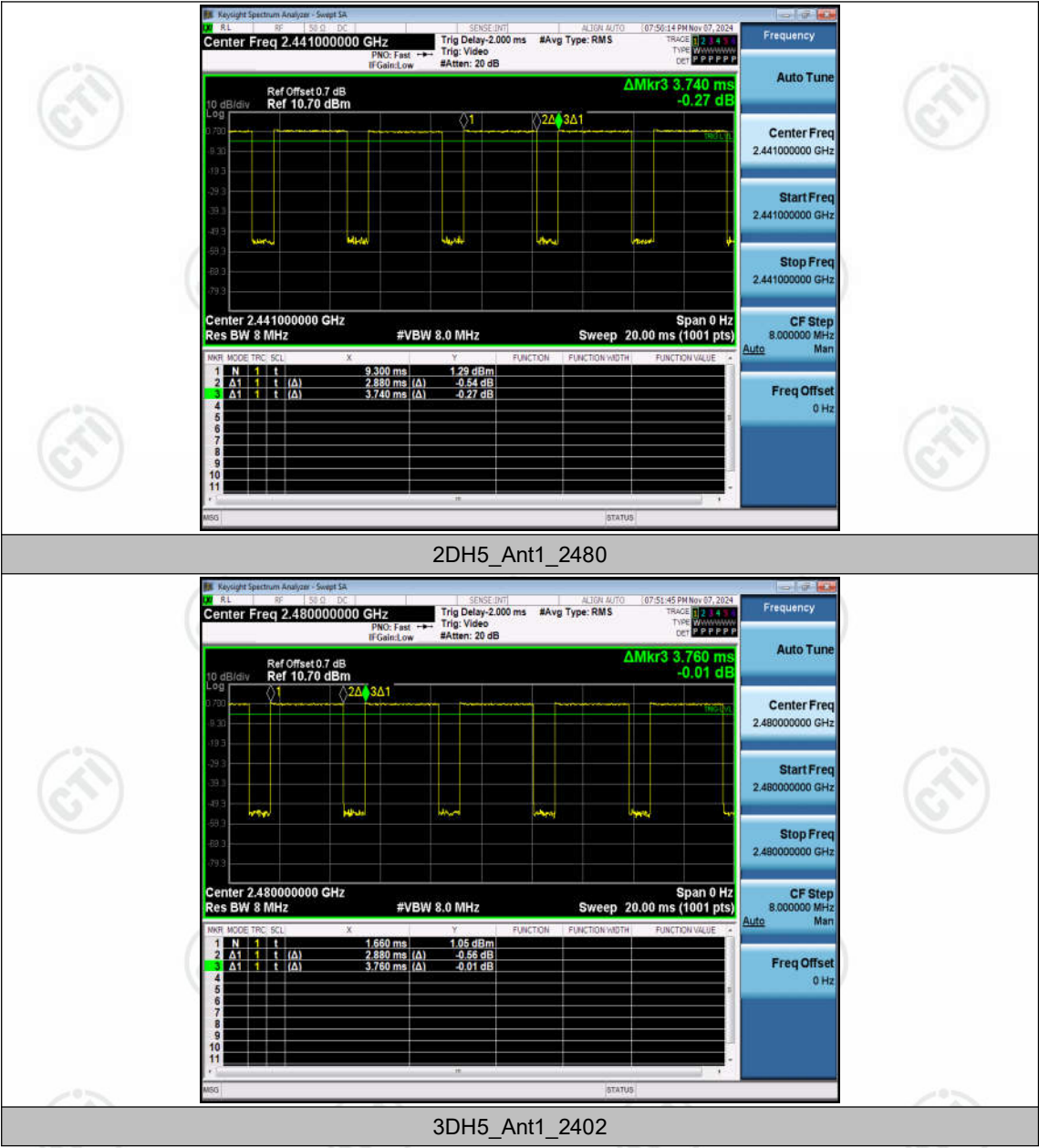


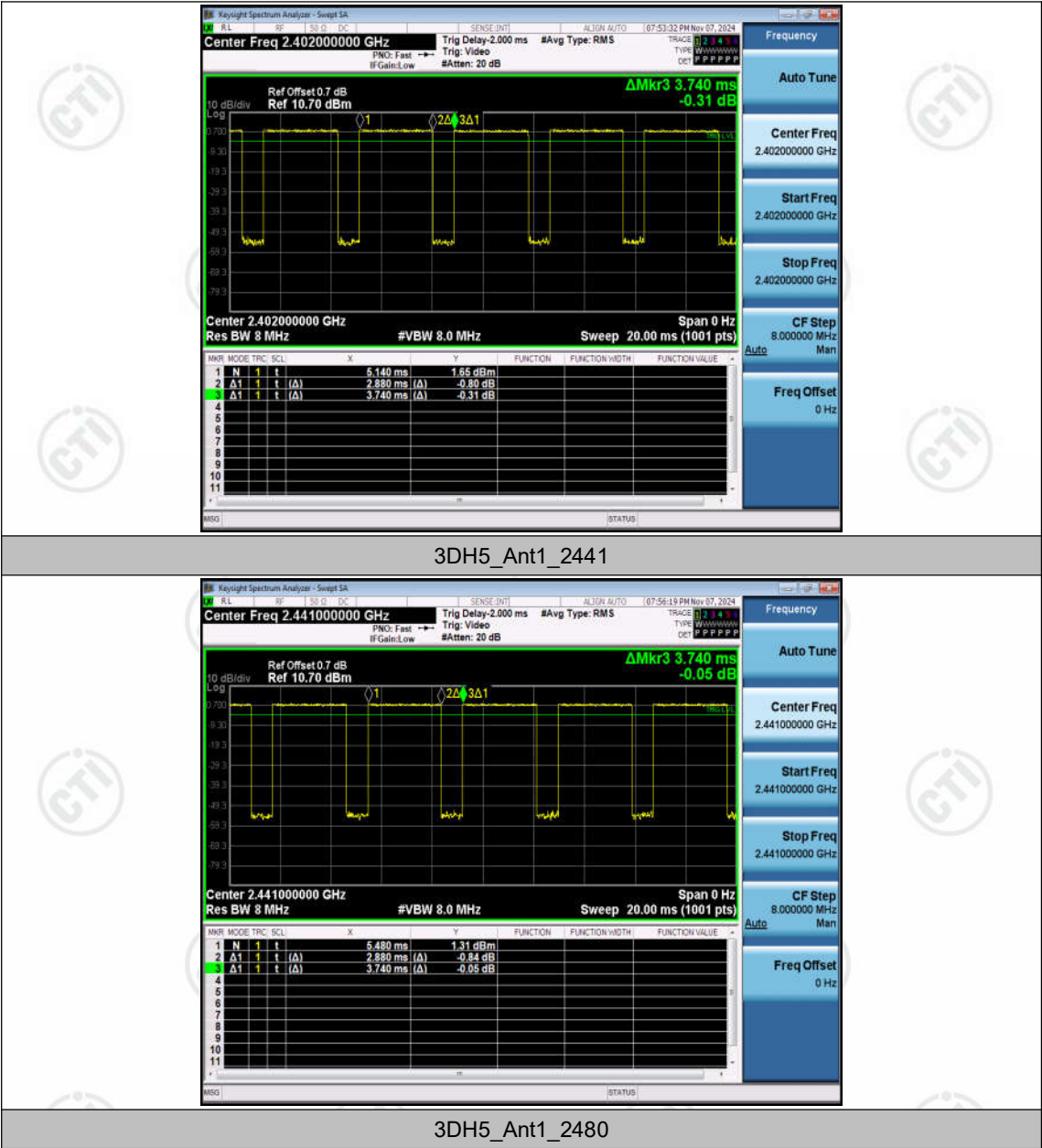


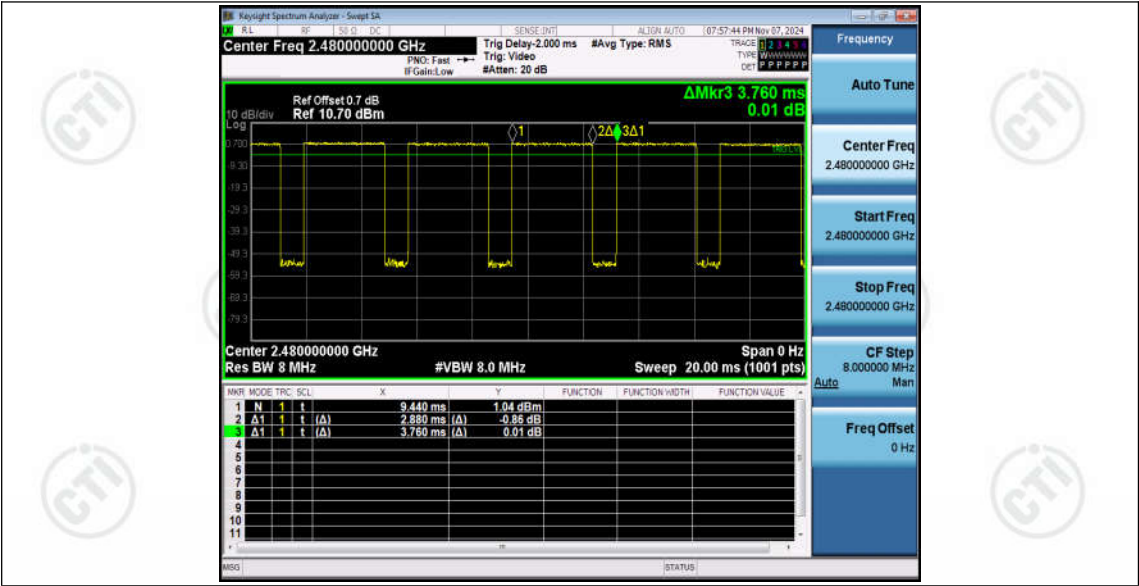
2DH5_Ant1_2402



2DH5_Ant1_2441







END OF REPORT