

Appendix: Bluetooth Classic

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Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.888	2401.556	2402.444	---	PASS
		2441	0.912	2440.547	2441.459	---	PASS
		2480	0.915	2479.541	2480.456	---	PASS
2DH5	Ant1	2402	1.341	2401.346	2402.687	---	PASS
		2441	1.347	2440.337	2441.684	---	PASS
		2480	1.329	2479.334	2480.663	---	PASS
3DH5	Ant1	2402	1.329	2401.334	2402.663	---	PASS
		2441	1.275	2440.352	2441.627	---	PASS
		2480	1.332	2479.325	2480.657	---	PASS

Test Graphs

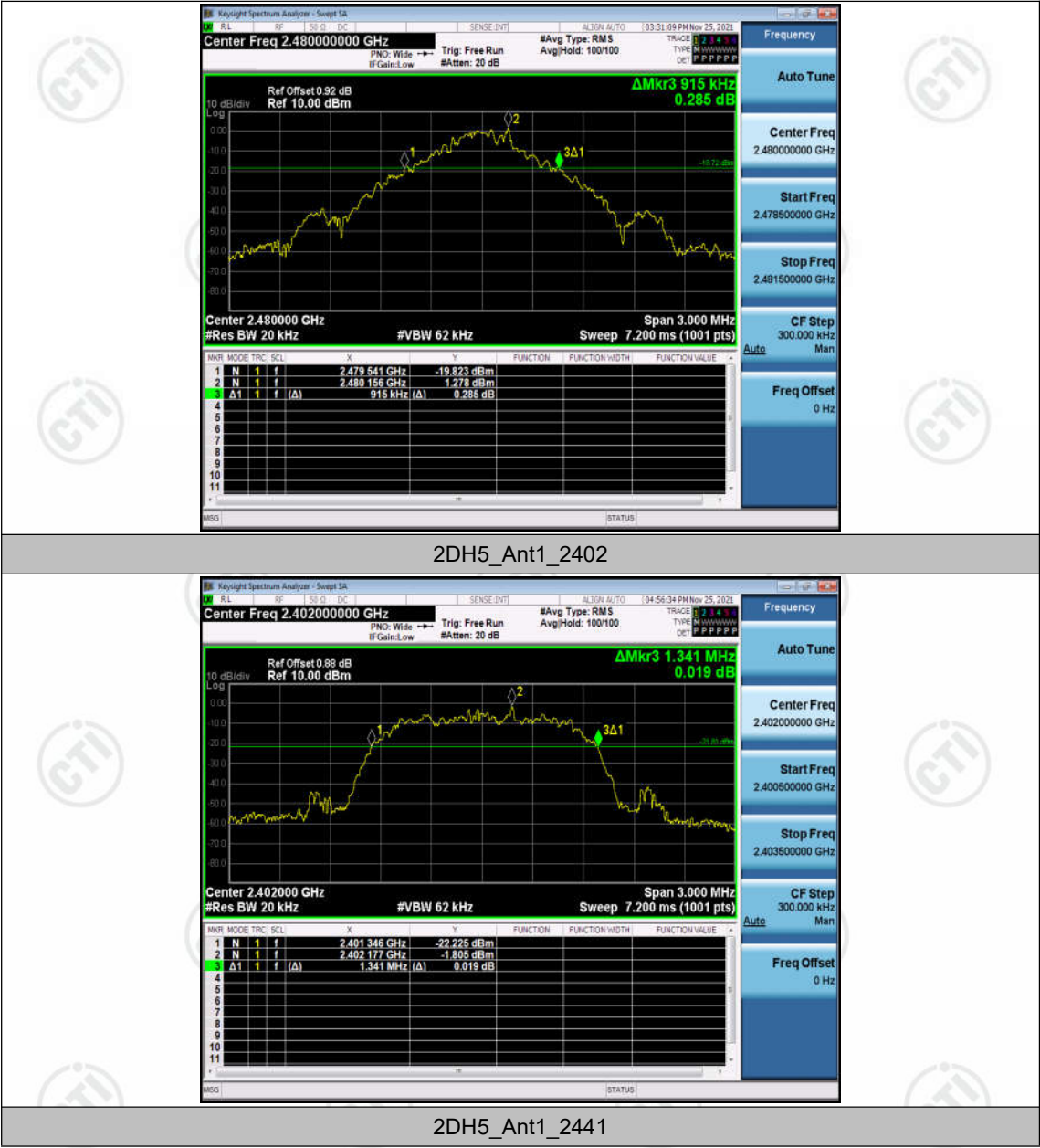
DH5_Ant1_2402

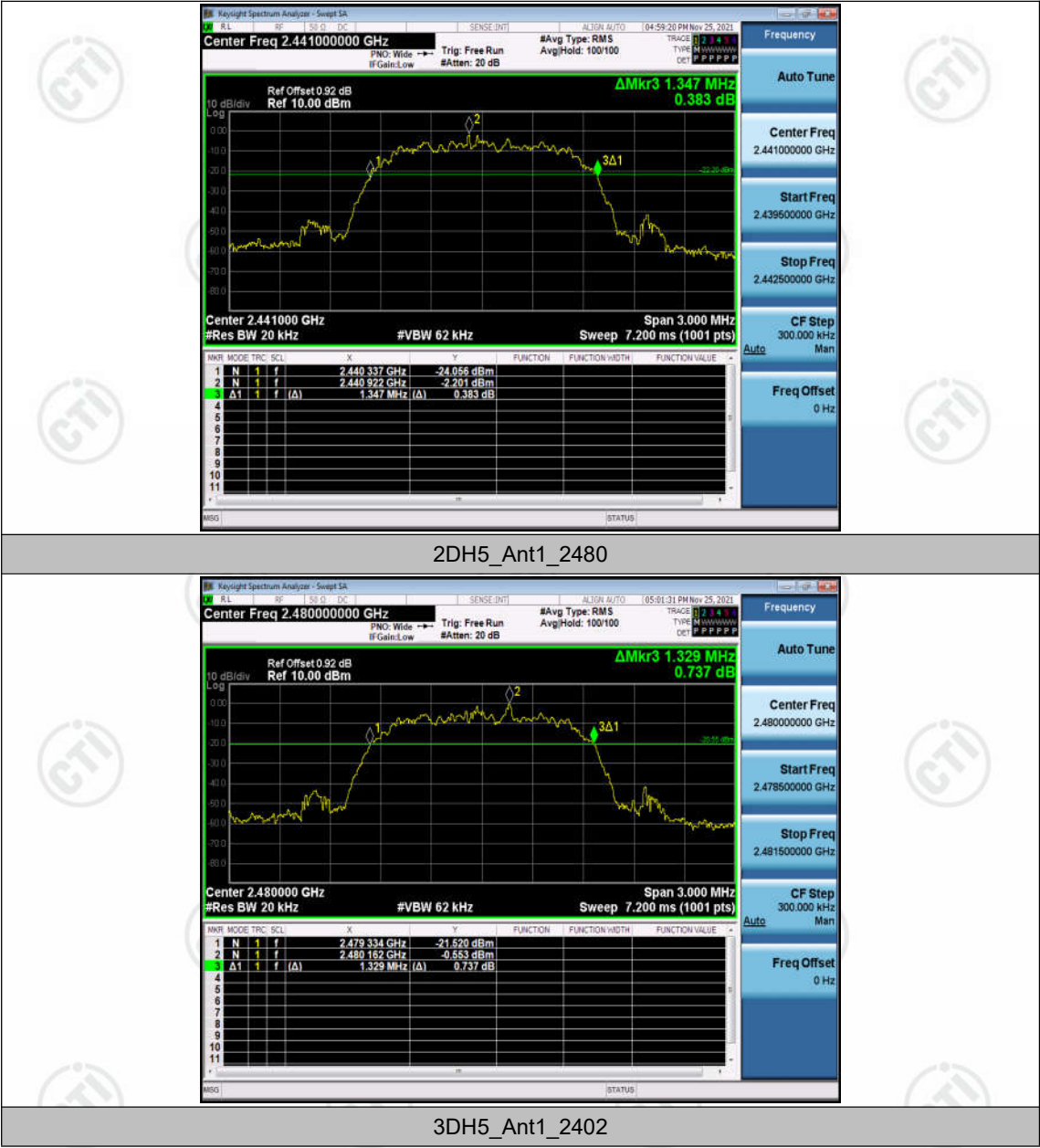


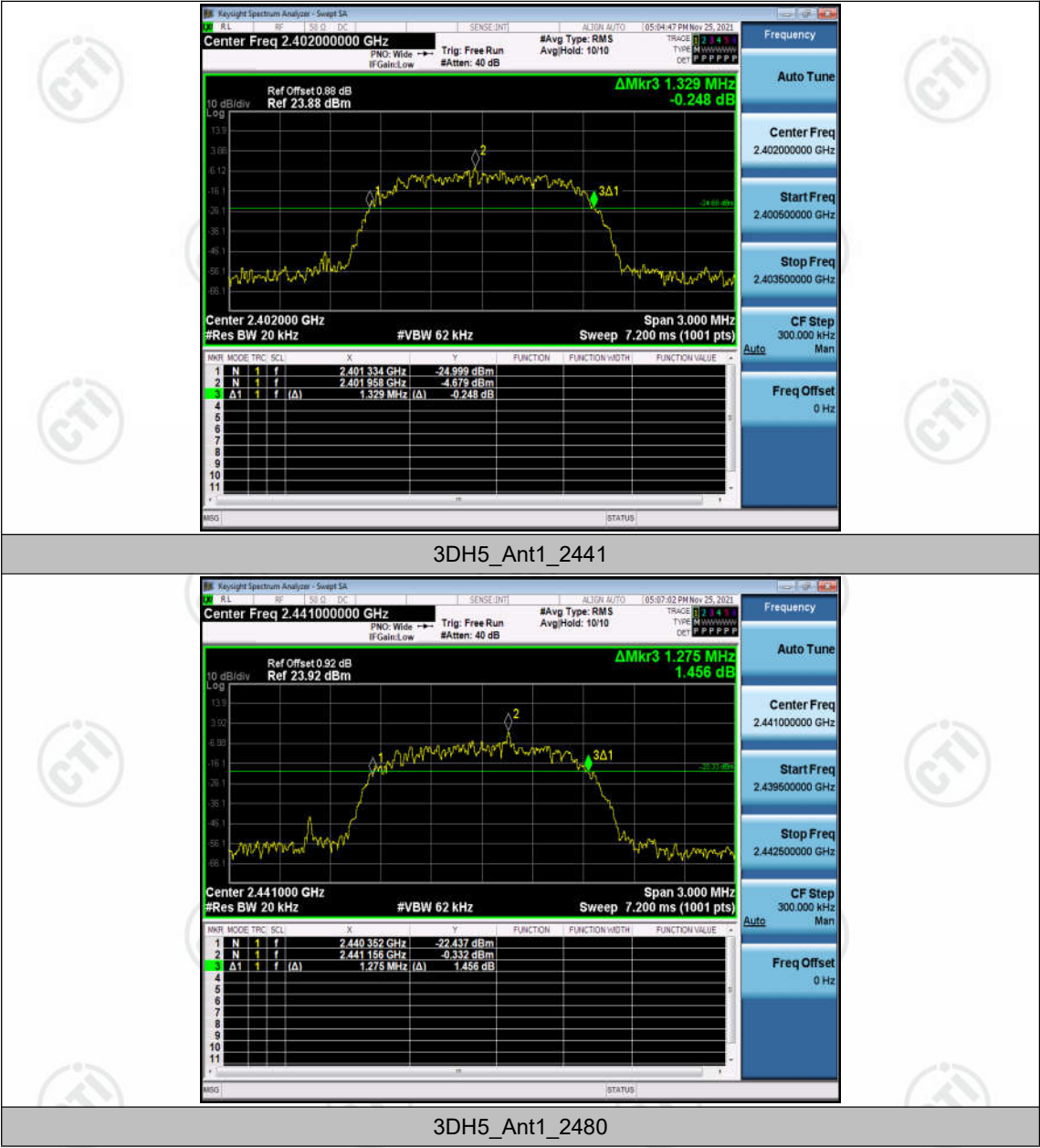
DH5_Ant1_2441



DH5_Ant1_2480







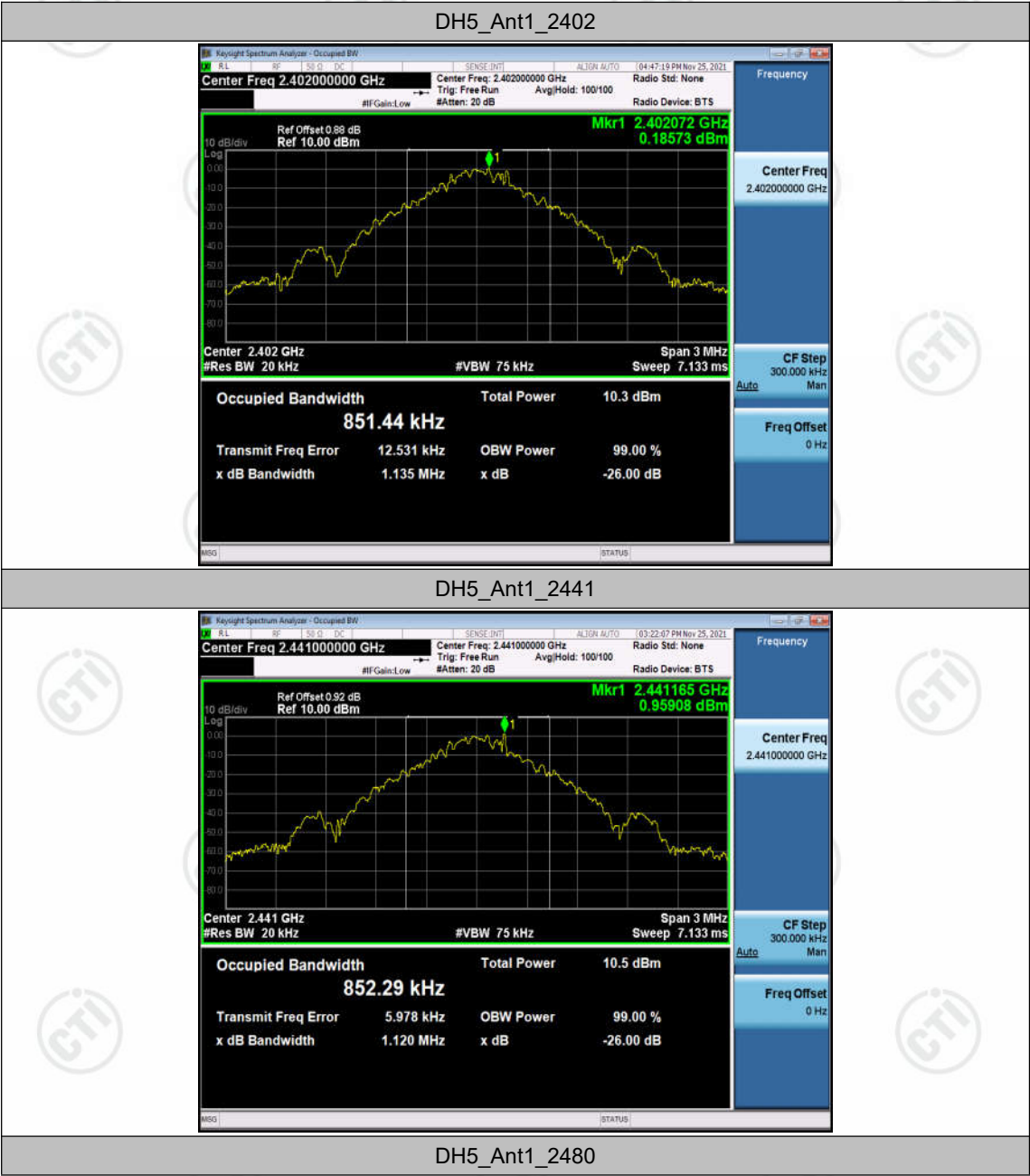


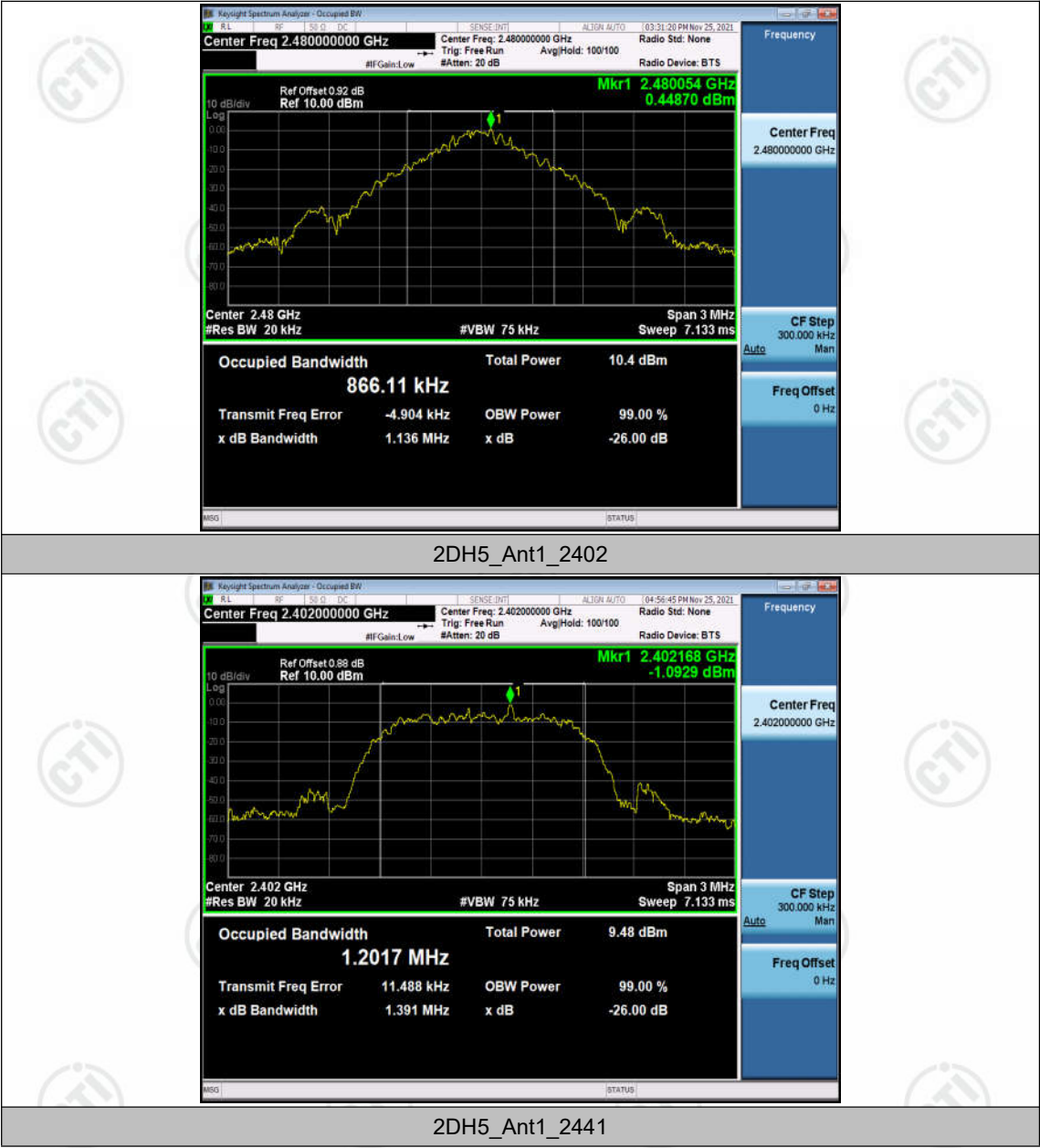
Appendix B: Occupied Channel Bandwidth

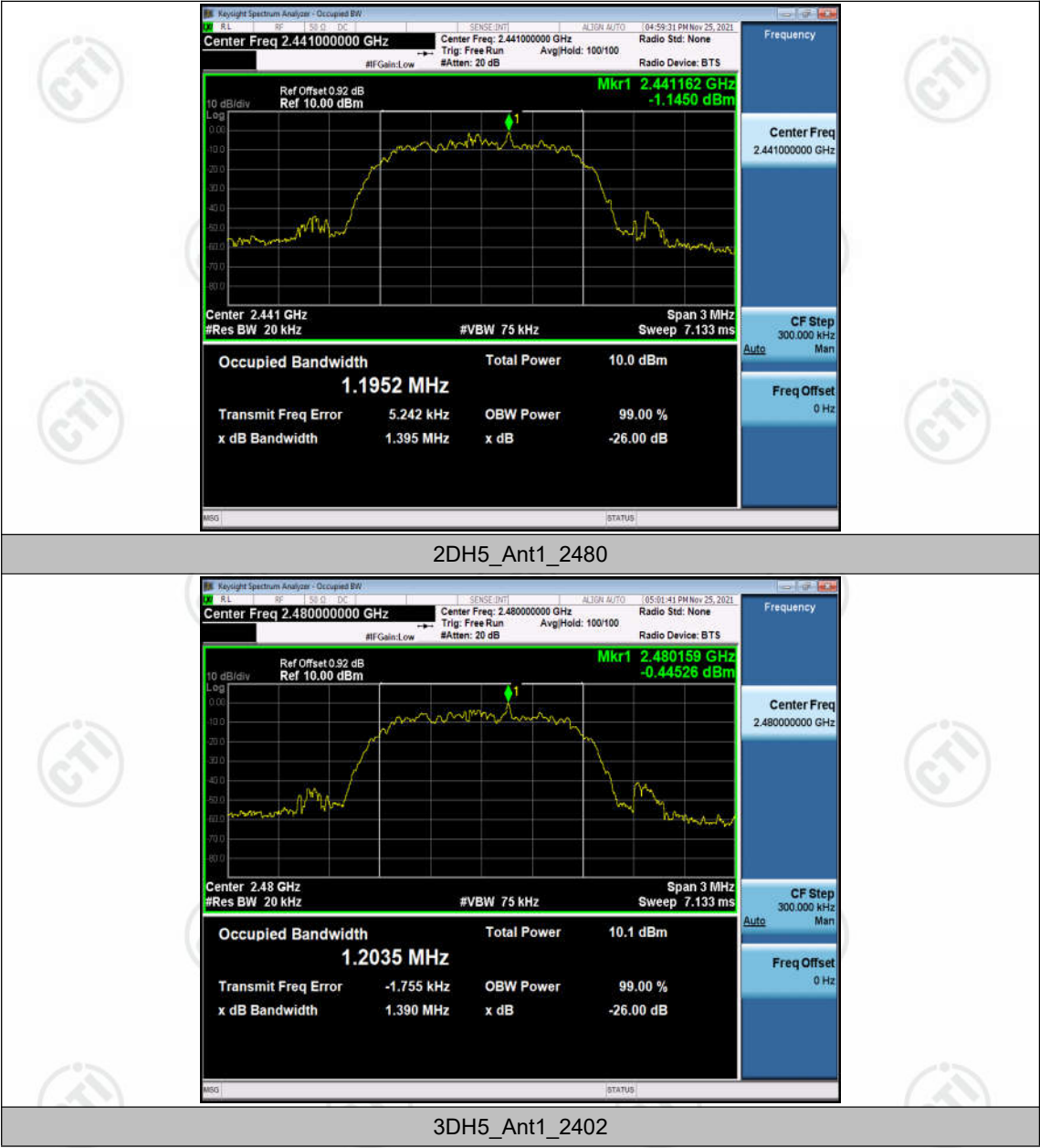
Test Result

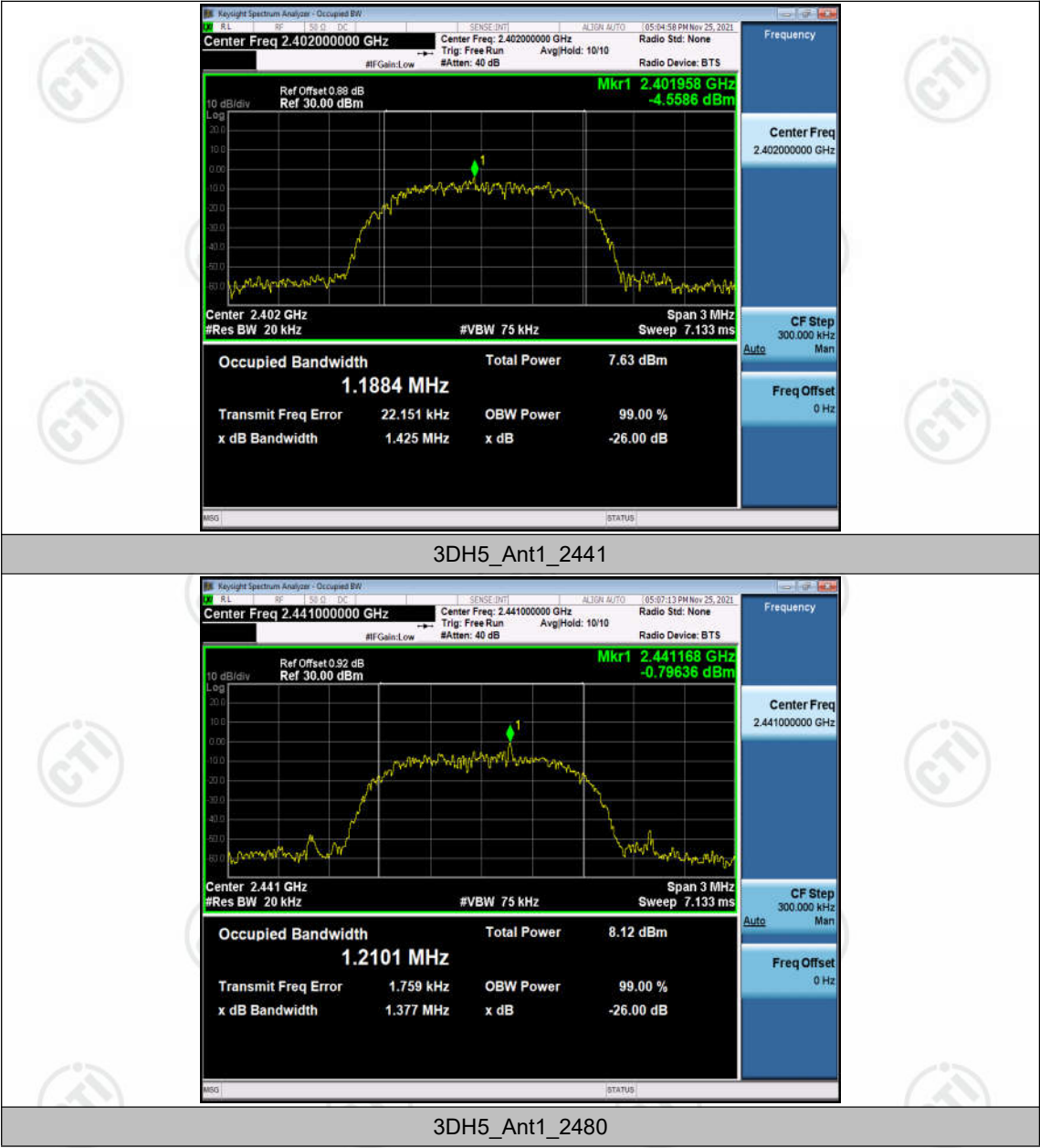
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85144	2401.587	2402.438	---	PASS
		2441	0.85229	2440.580	2441.432	---	PASS
		2480	0.86611	2479.562	2480.428	---	PASS
2DH5	Ant1	2402	1.2017	2401.411	2402.612	---	PASS
		2441	1.1952	2440.408	2441.603	---	PASS
		2480	1.2035	2479.396	2480.600	---	PASS
3DH5	Ant1	2402	1.1884	2401.428	2402.616	---	PASS
		2441	1.2101	2440.397	2441.607	---	PASS
		2480	1.2270	2479.380	2480.607	---	PASS

Test Graphs









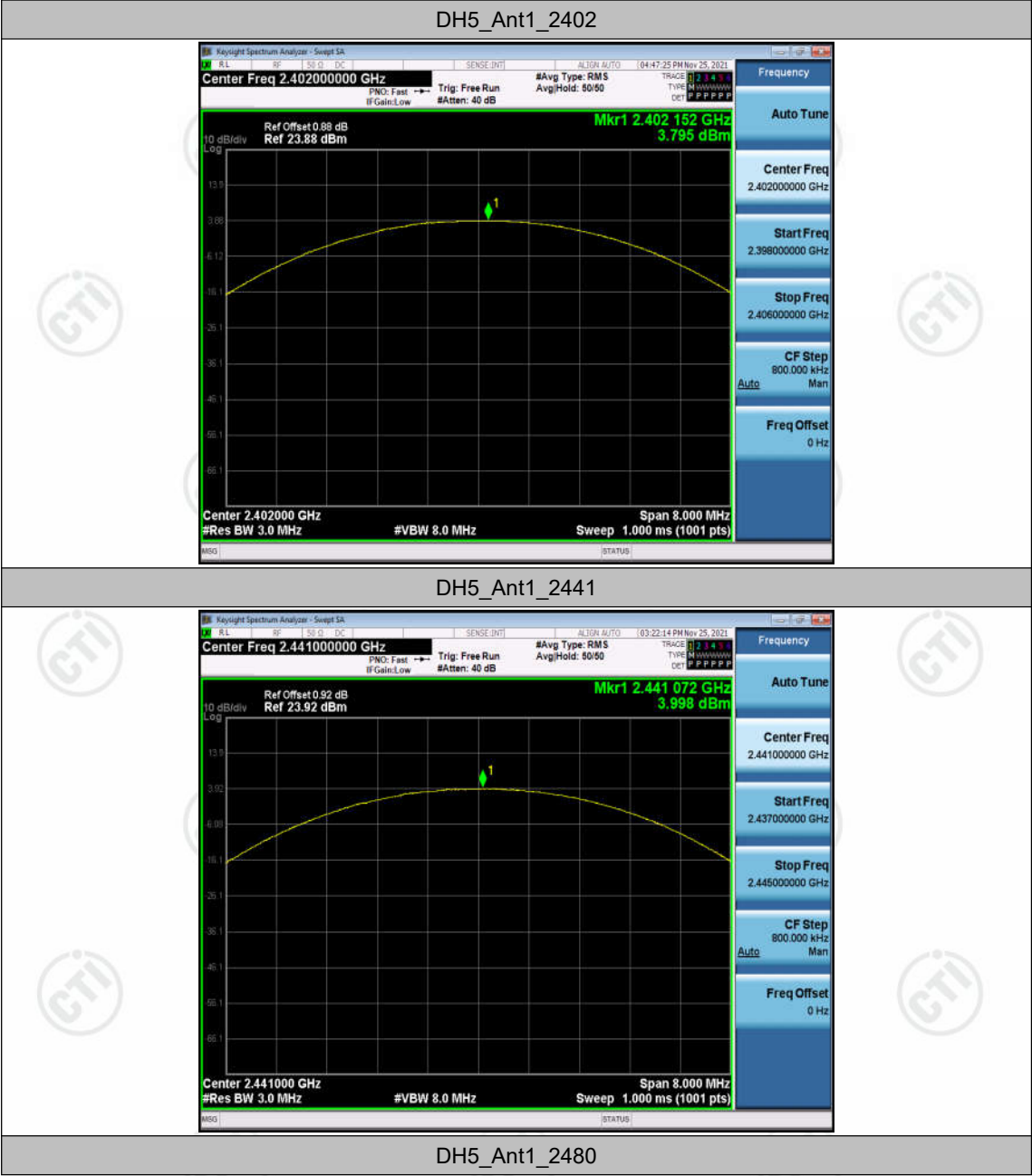


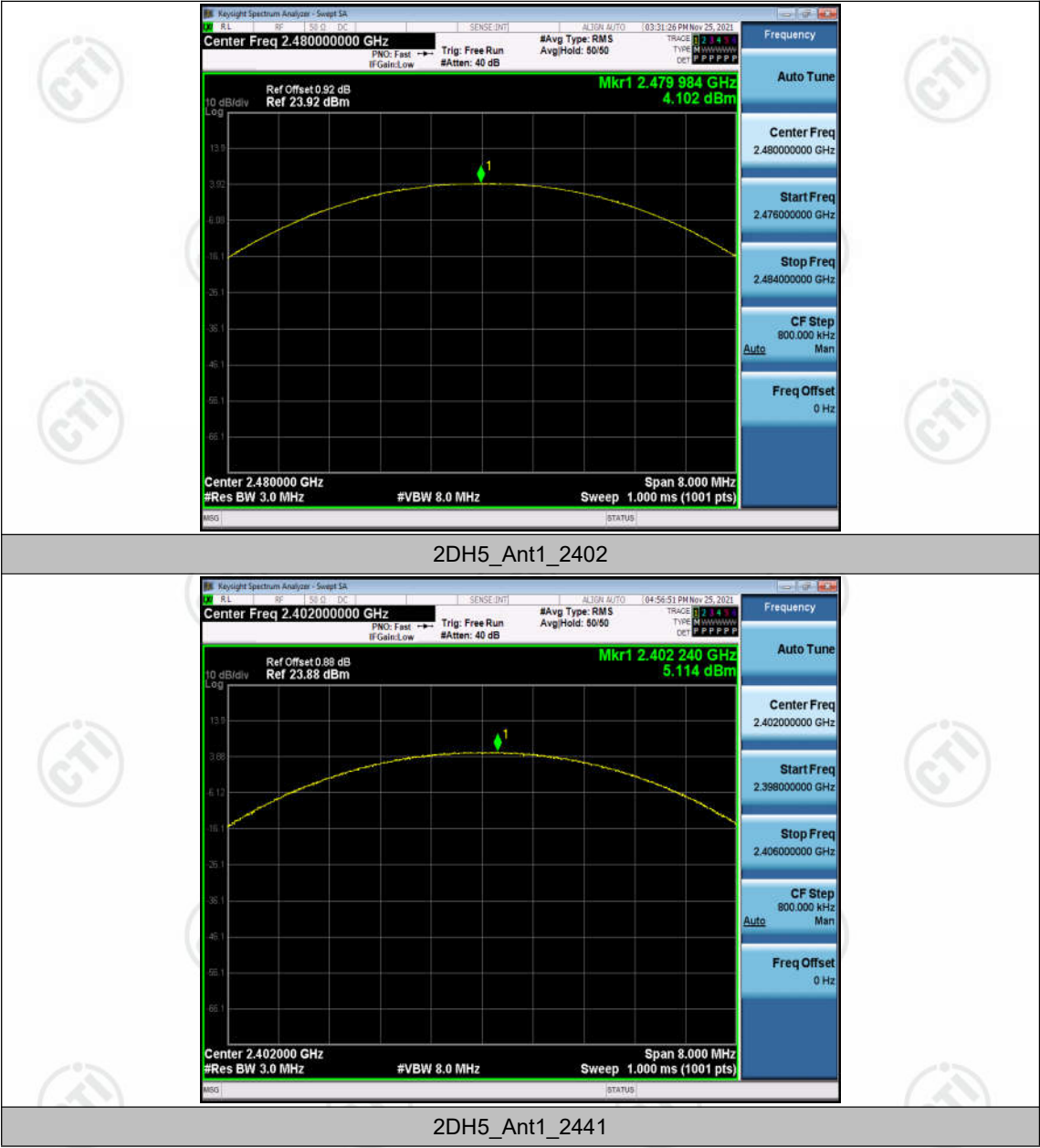
Appendix C: Maximum conducted output power

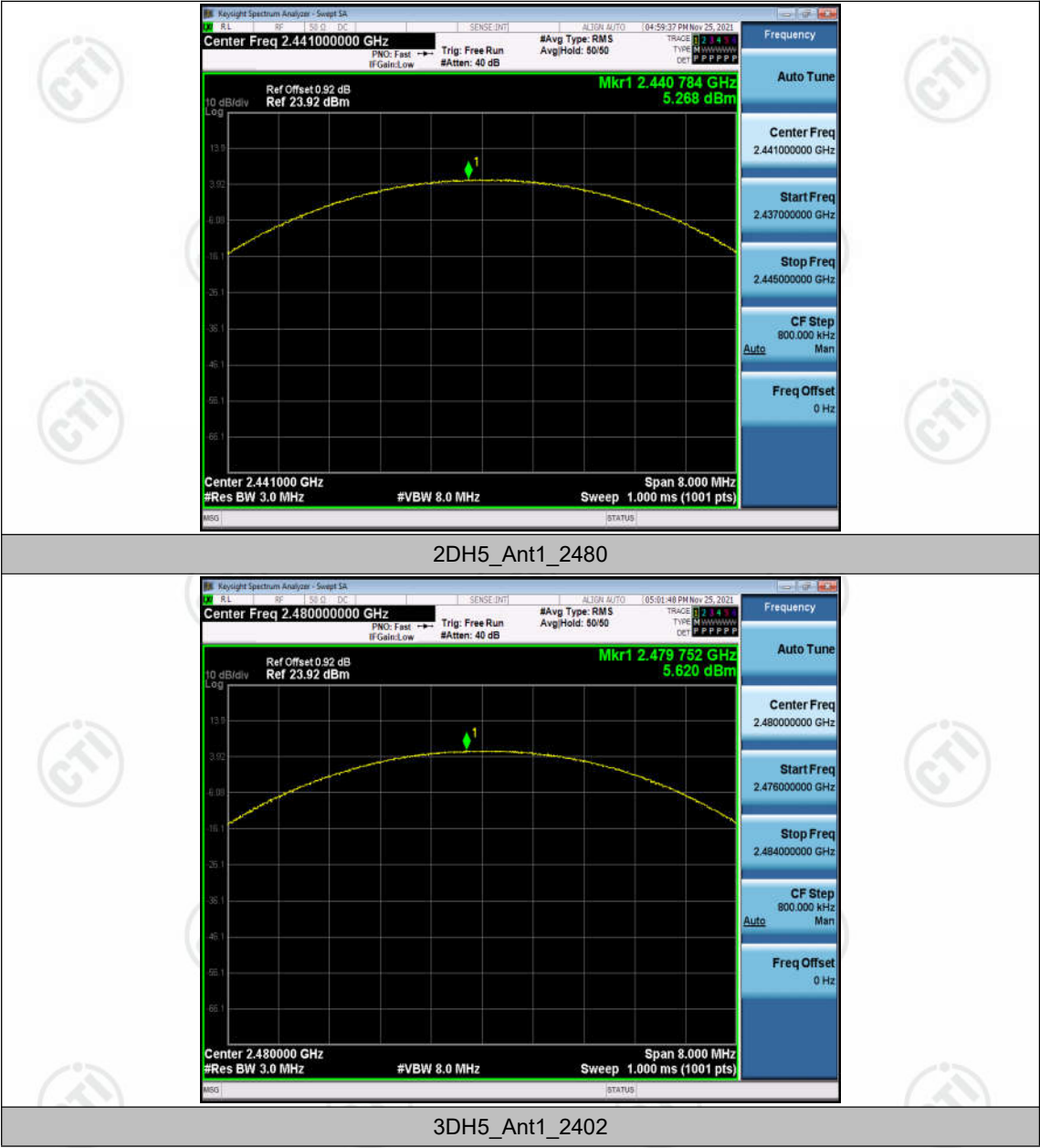
Test Result

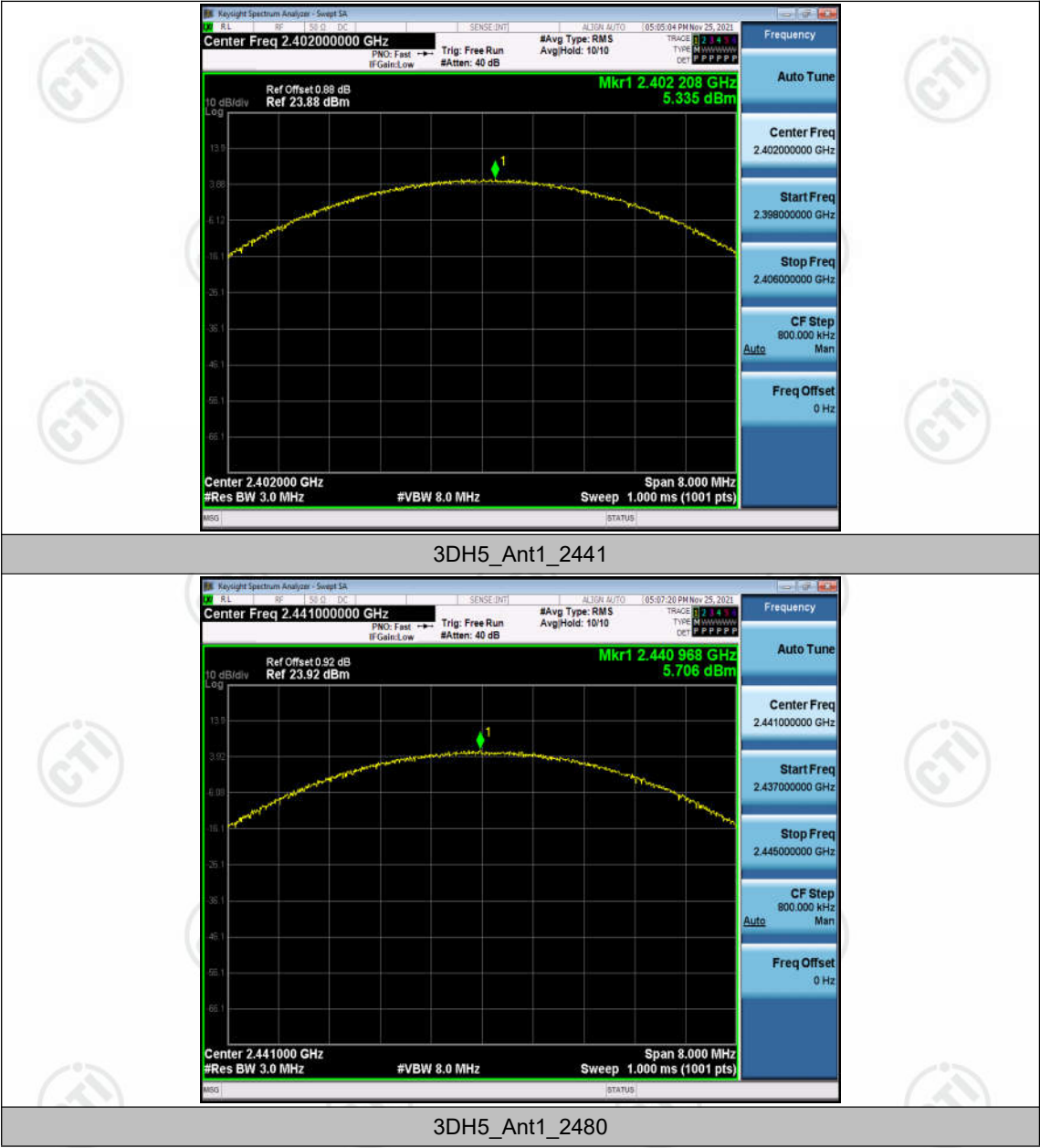
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.8	<=20.97	PASS
		2441	4	<=20.97	PASS
		2480	4.1	<=20.97	PASS
2DH5	Ant1	2402	5.11	<=20.97	PASS
		2441	5.27	<=20.97	PASS
		2480	5.62	<=20.97	PASS
3DH5	Ant1	2402	5.34	<=20.97	PASS
		2441	5.71	<=20.97	PASS
		2480	6.04	<=20.97	PASS

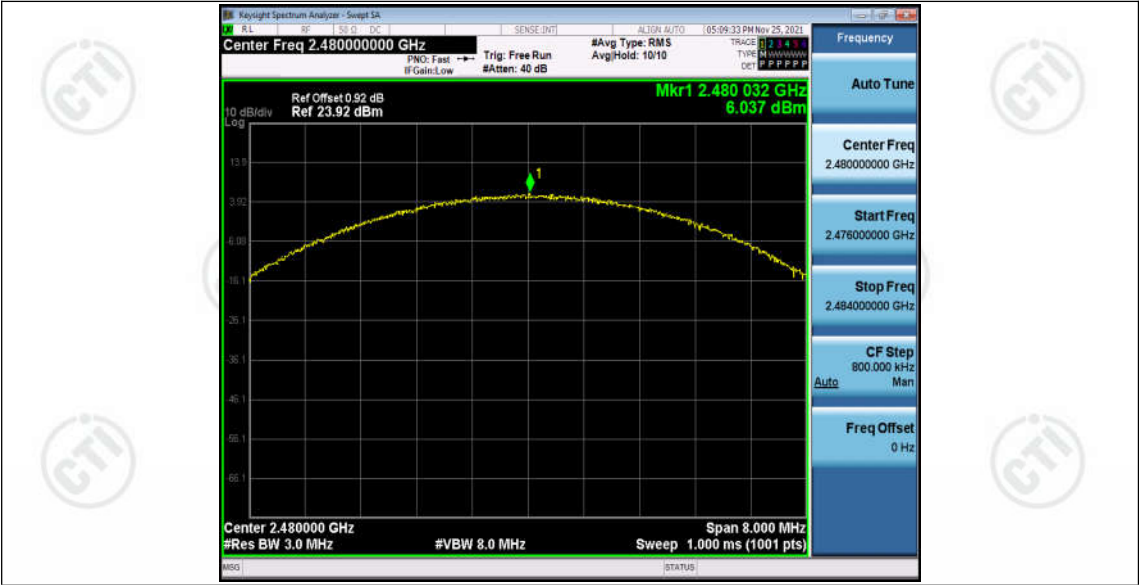
Test Graphs











Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop_2402	0.93	≥ 0.915	PASS
		Hop_2441	0.948	≥ 0.915	PASS
		Hop_2480	1.106	≥ 0.915	PASS
2DH5	Ant1	Hop_2402	0.986	≥ 0.898	PASS
		Hop_2441	1.142	≥ 0.898	PASS
		Hop_2480	0.96	≥ 0.898	PASS
3DH5	Ant1	Hop_2402	1.144	≥ 0.888	PASS
		Hop_2441	1.064	≥ 0.888	PASS
		Hop_2480	0.996	≥ 0.888	PASS

Test Graphs

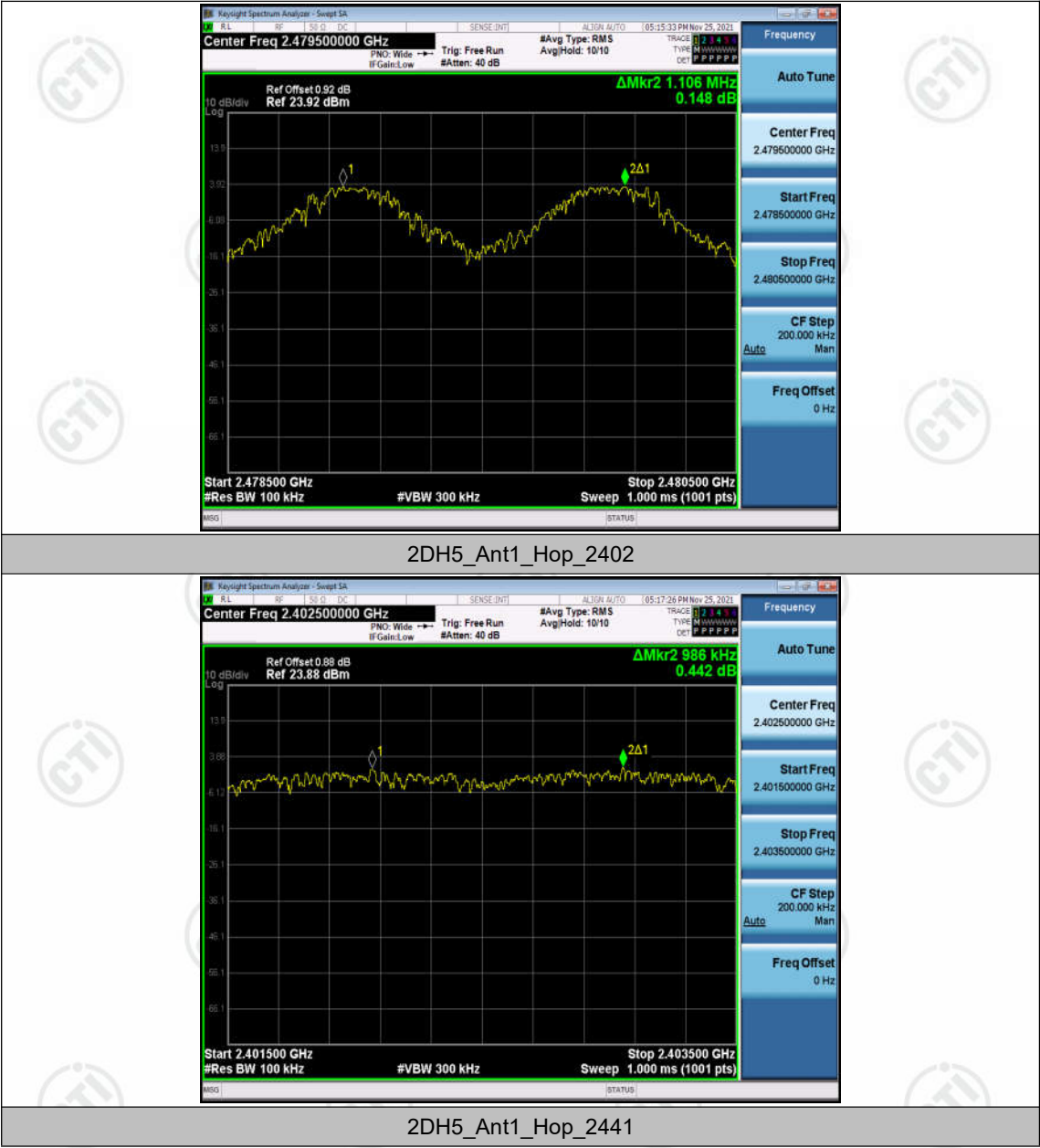
DH5_Ant1_Hop_2402

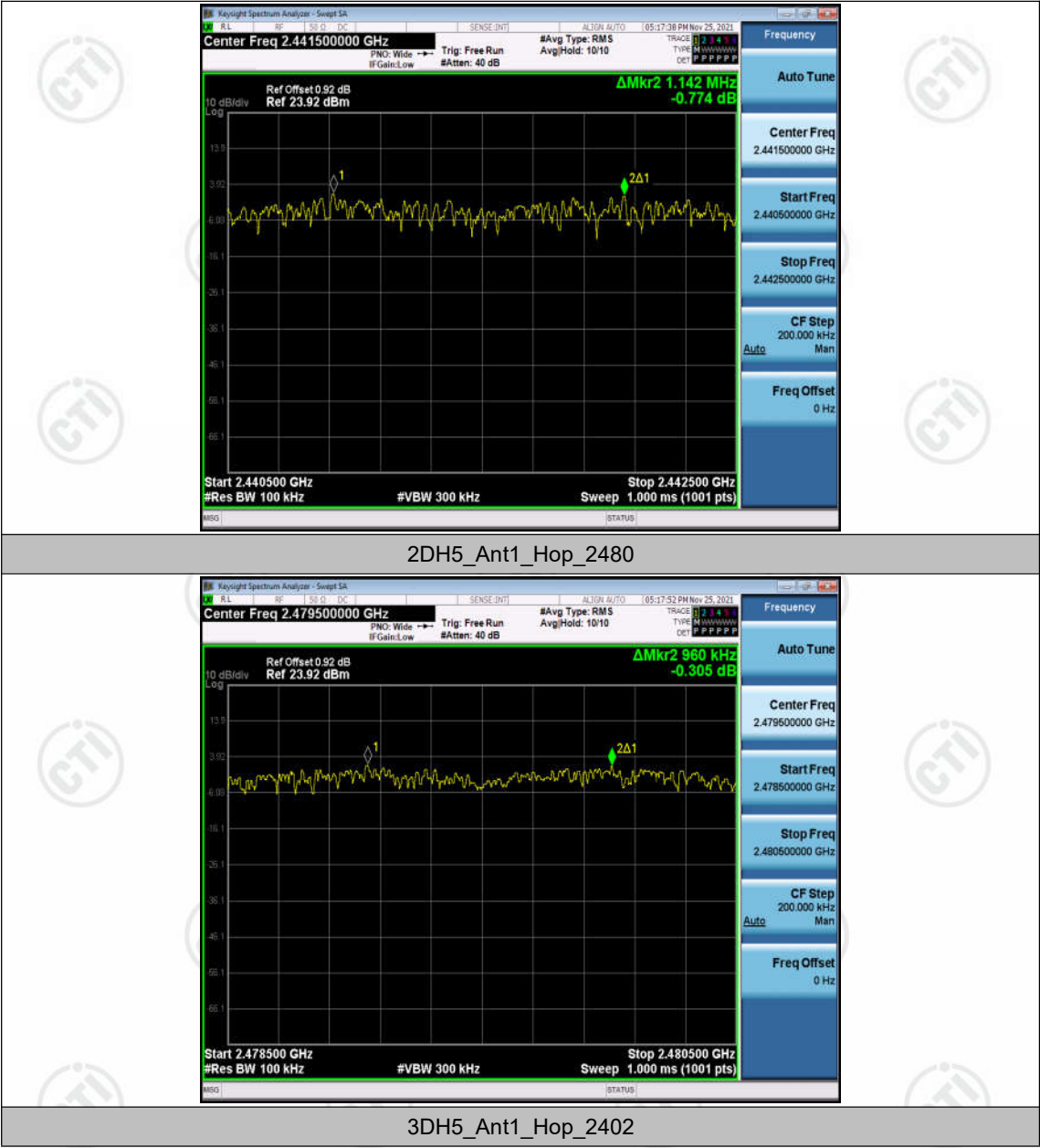


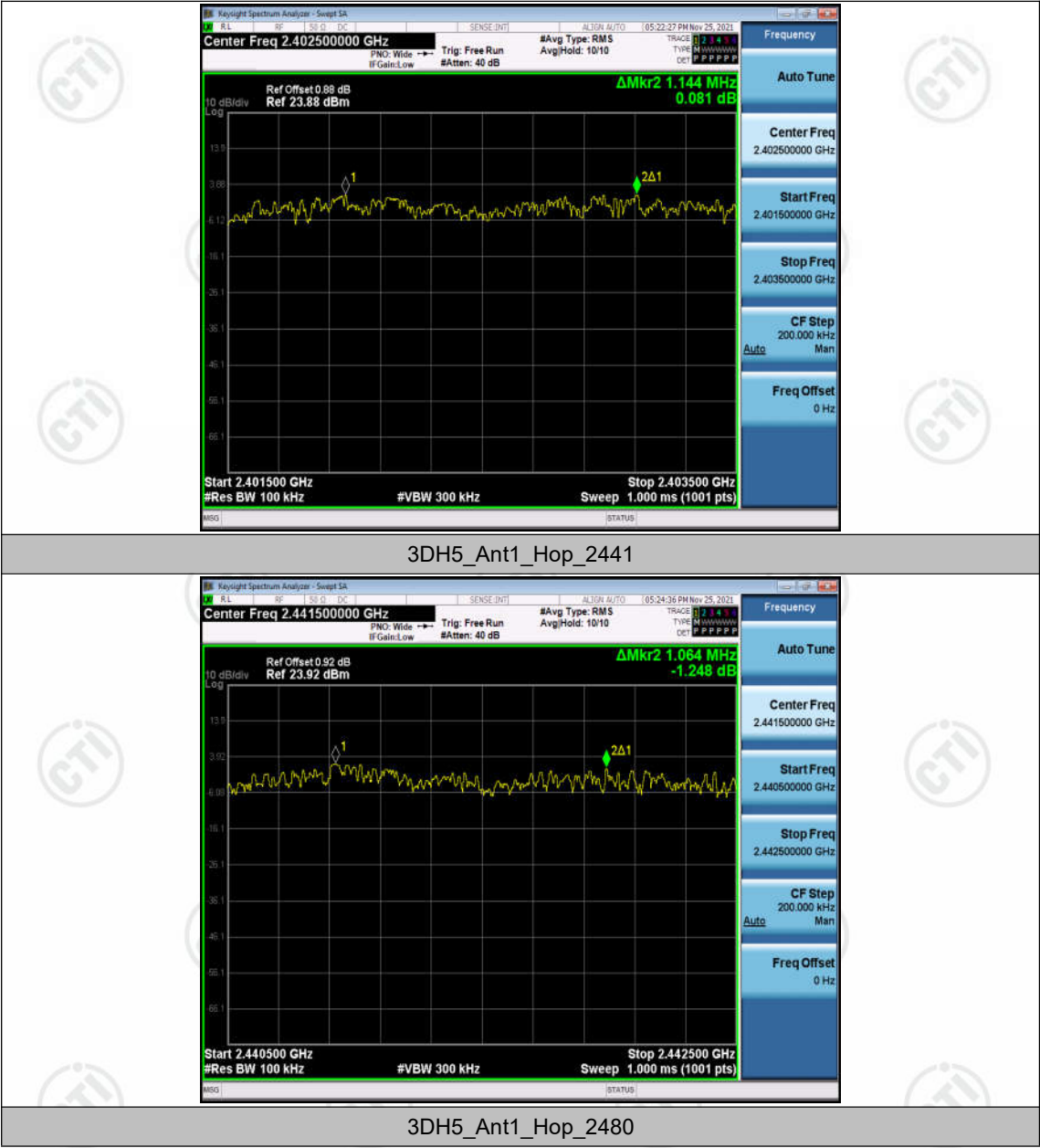
DH5_Ant1_Hop_2441

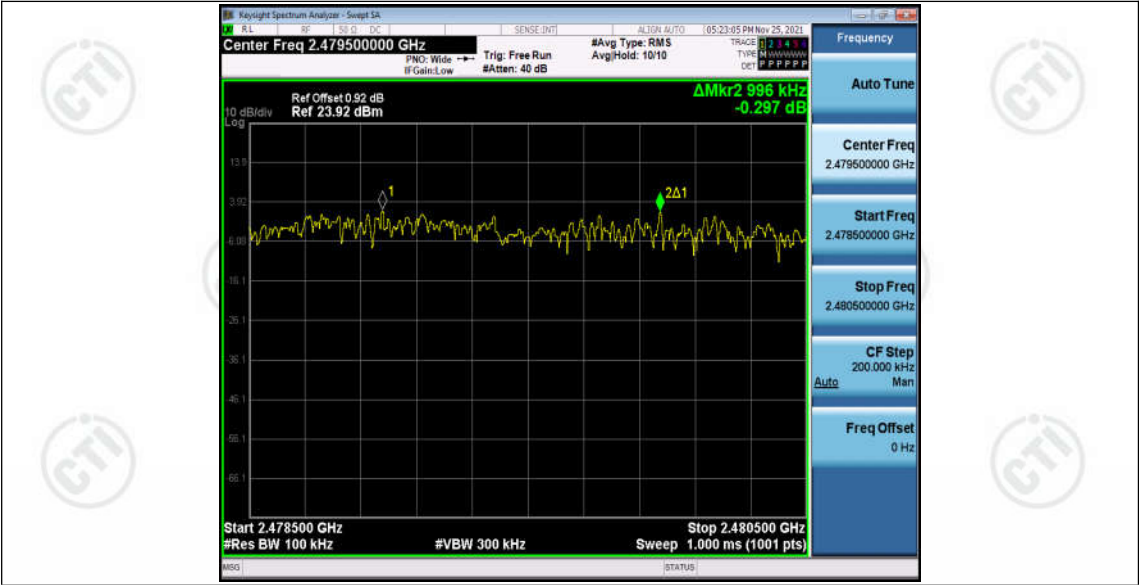


DH5_Ant1_Hop_2480







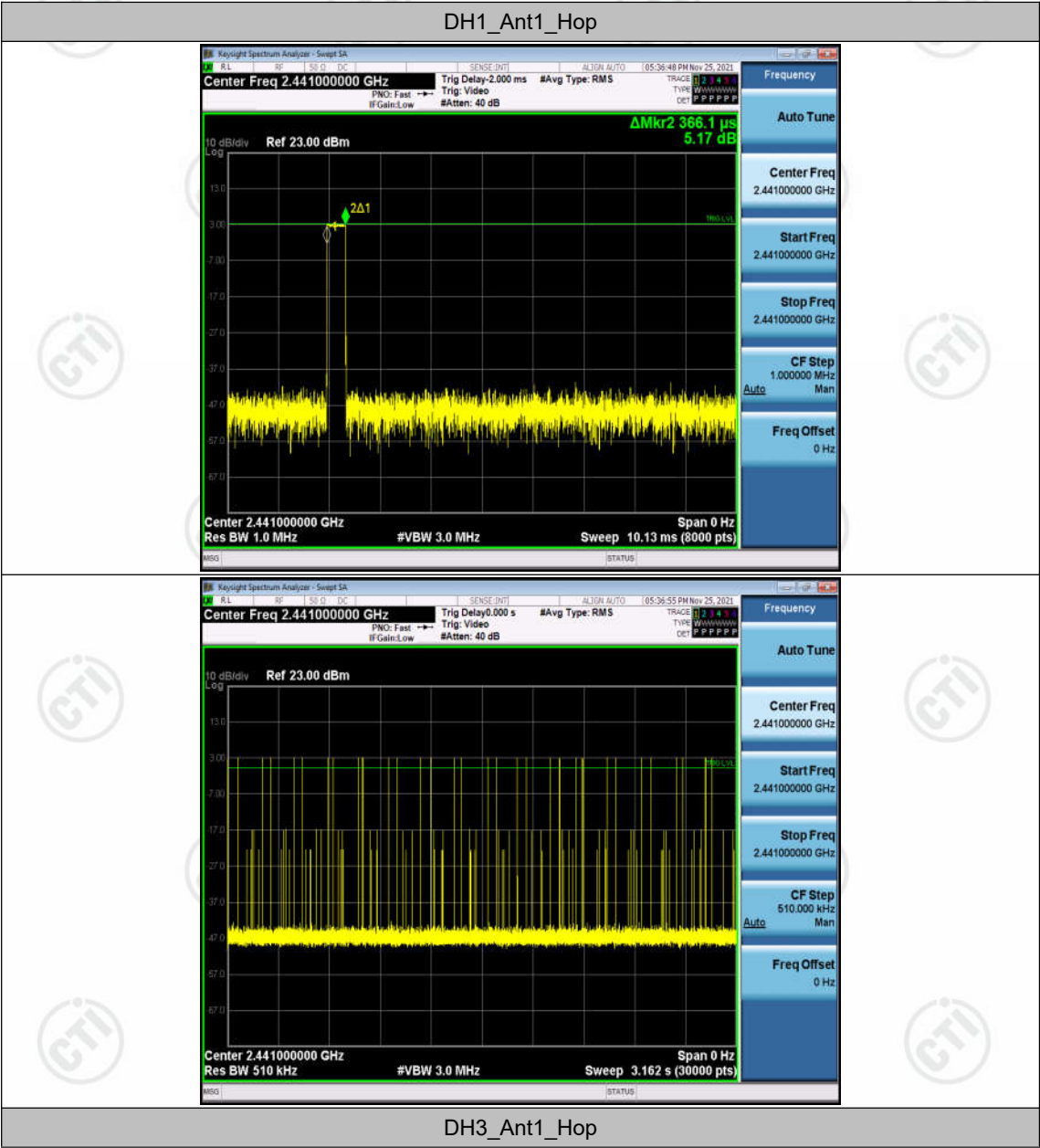


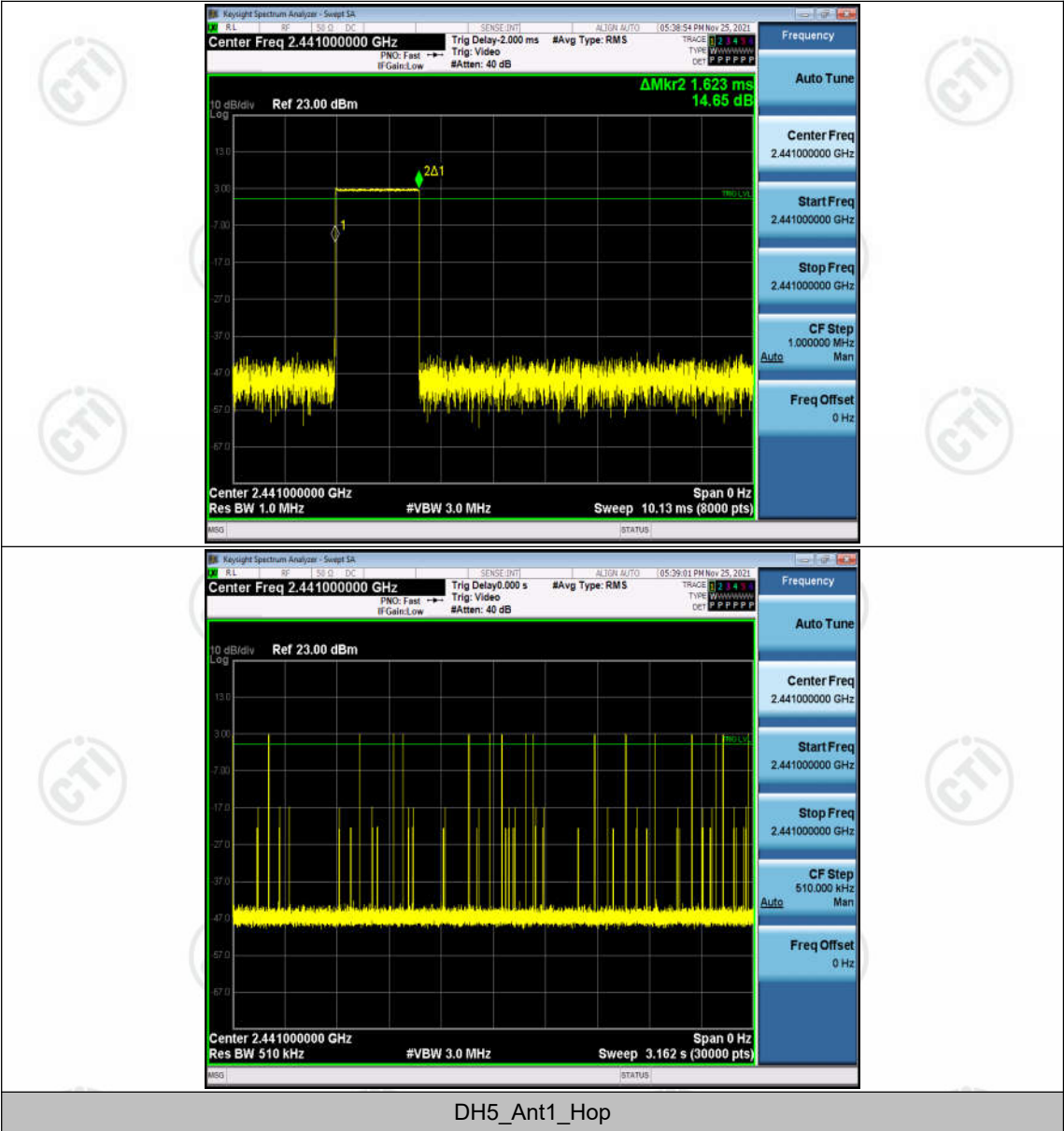
Appendix E: Time of occupancy

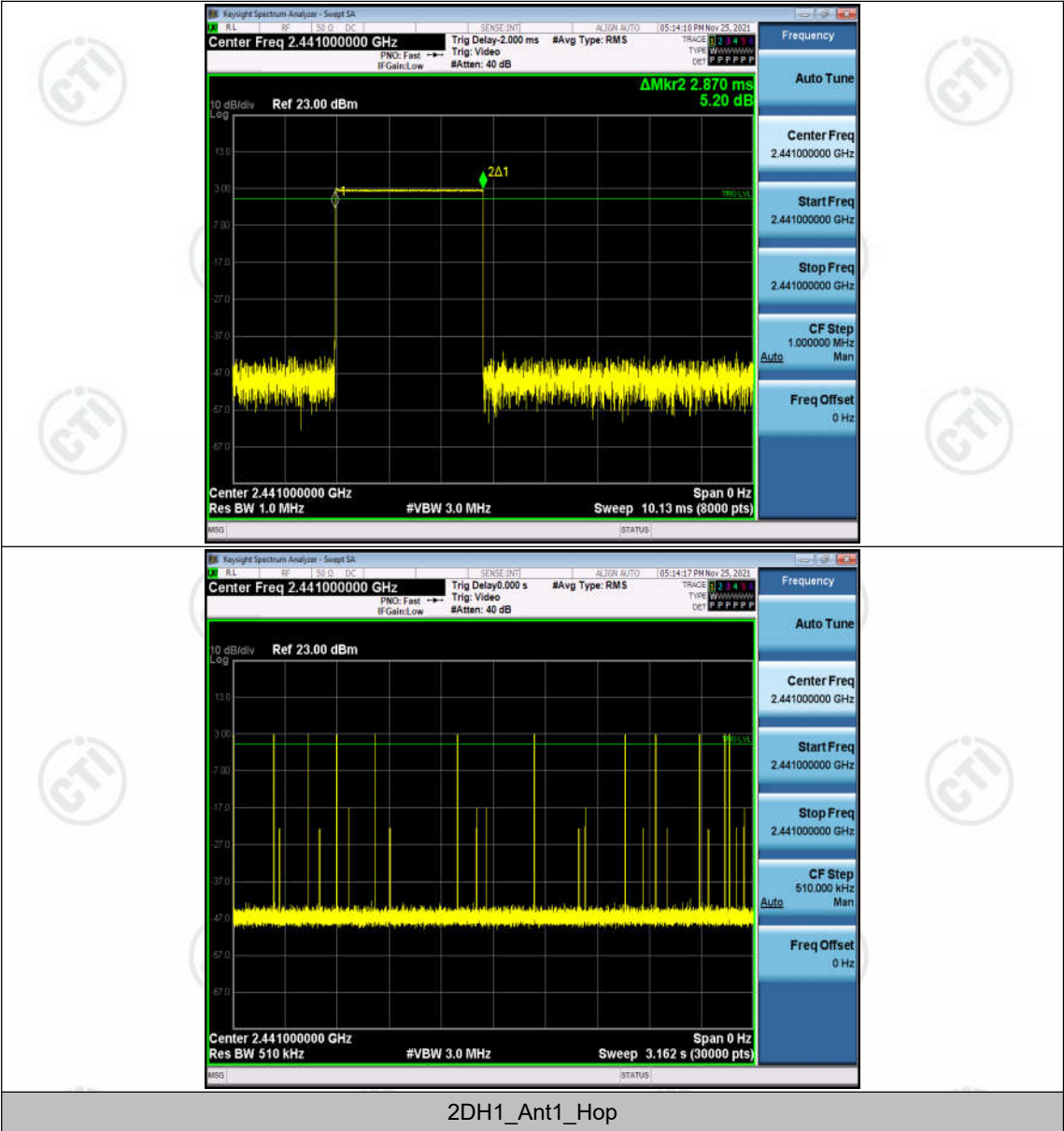
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	320	0.117	<=0.4	PASS
DH3	Ant1	Hop	1.62	170	0.276	<=0.4	PASS
DH5	Ant1	Hop	2.87	120	0.344	<=0.4	PASS
2DH1	Ant1	Hop	0.26	330	0.087	<=0.4	PASS
2DH3	Ant1	Hop	0.89	180	0.16	<=0.4	PASS
2DH5	Ant1	Hop	2.87	110	0.316	<=0.4	PASS
3DH1	Ant1	Hop	0.22	320	0.072	<=0.4	PASS
3DH3	Ant1	Hop	0.64	170	0.109	<=0.4	PASS
3DH5	Ant1	Hop	2.87	100	0.287	<=0.4	PASS

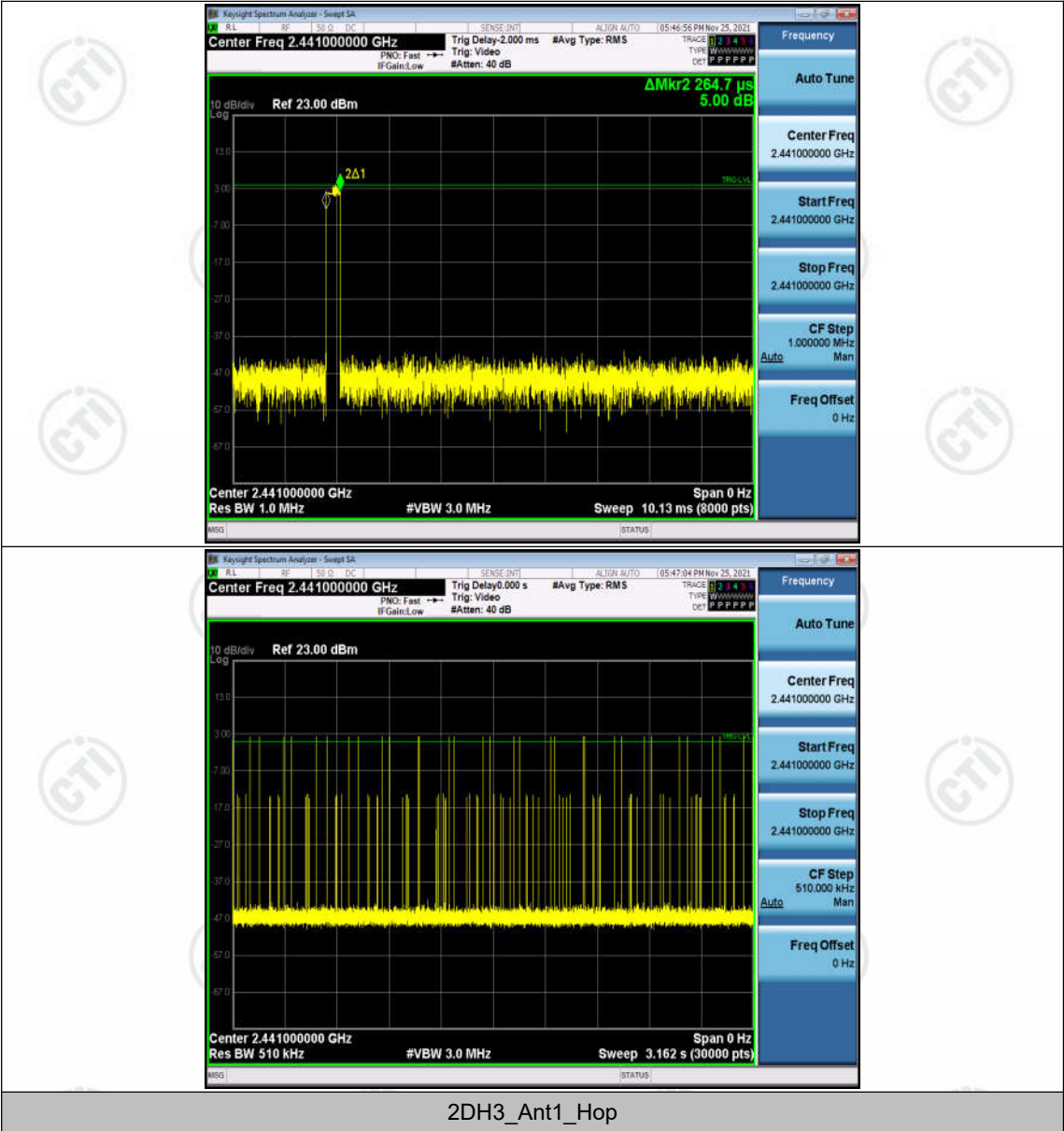
Test Graphs

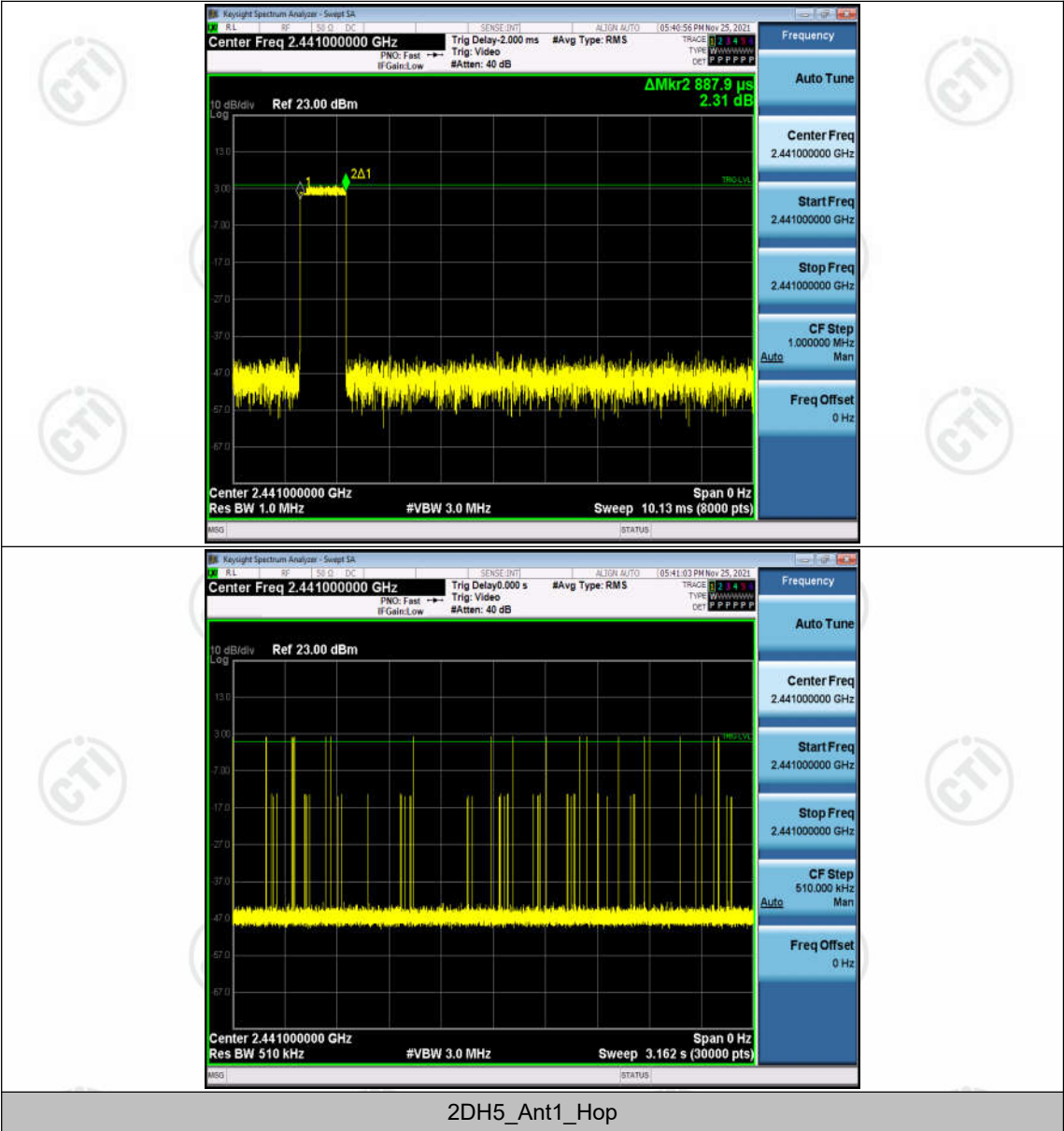


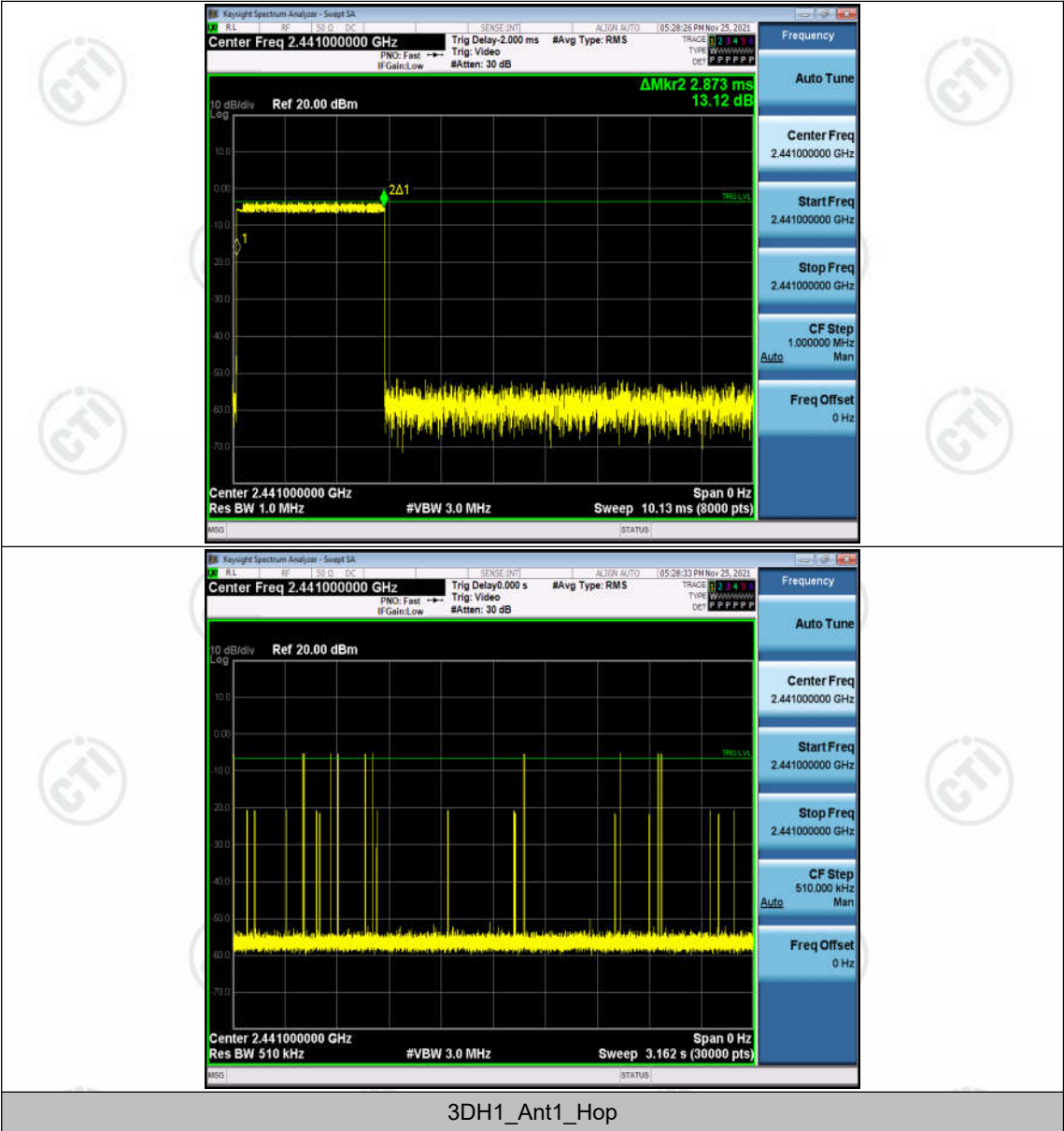


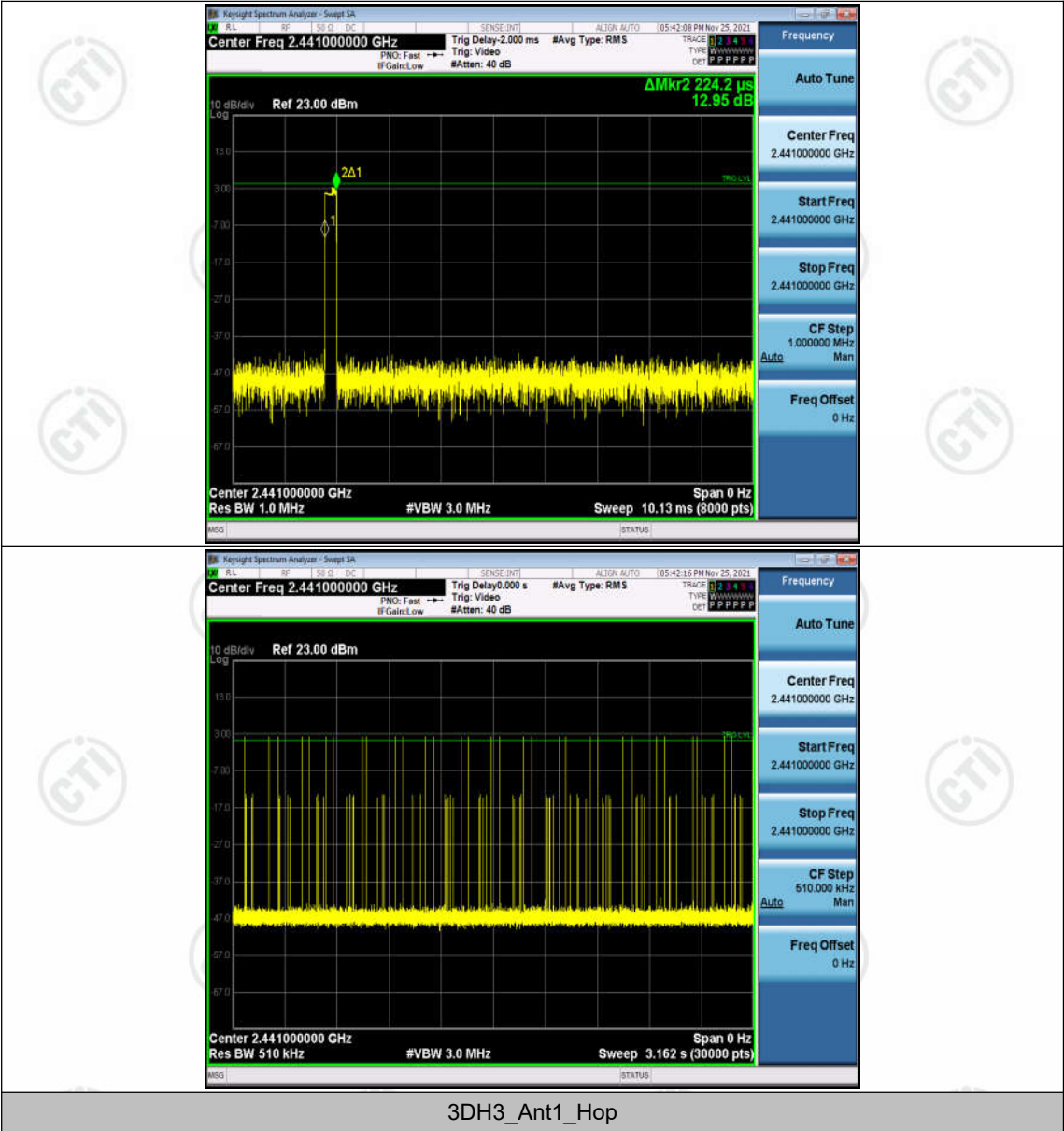


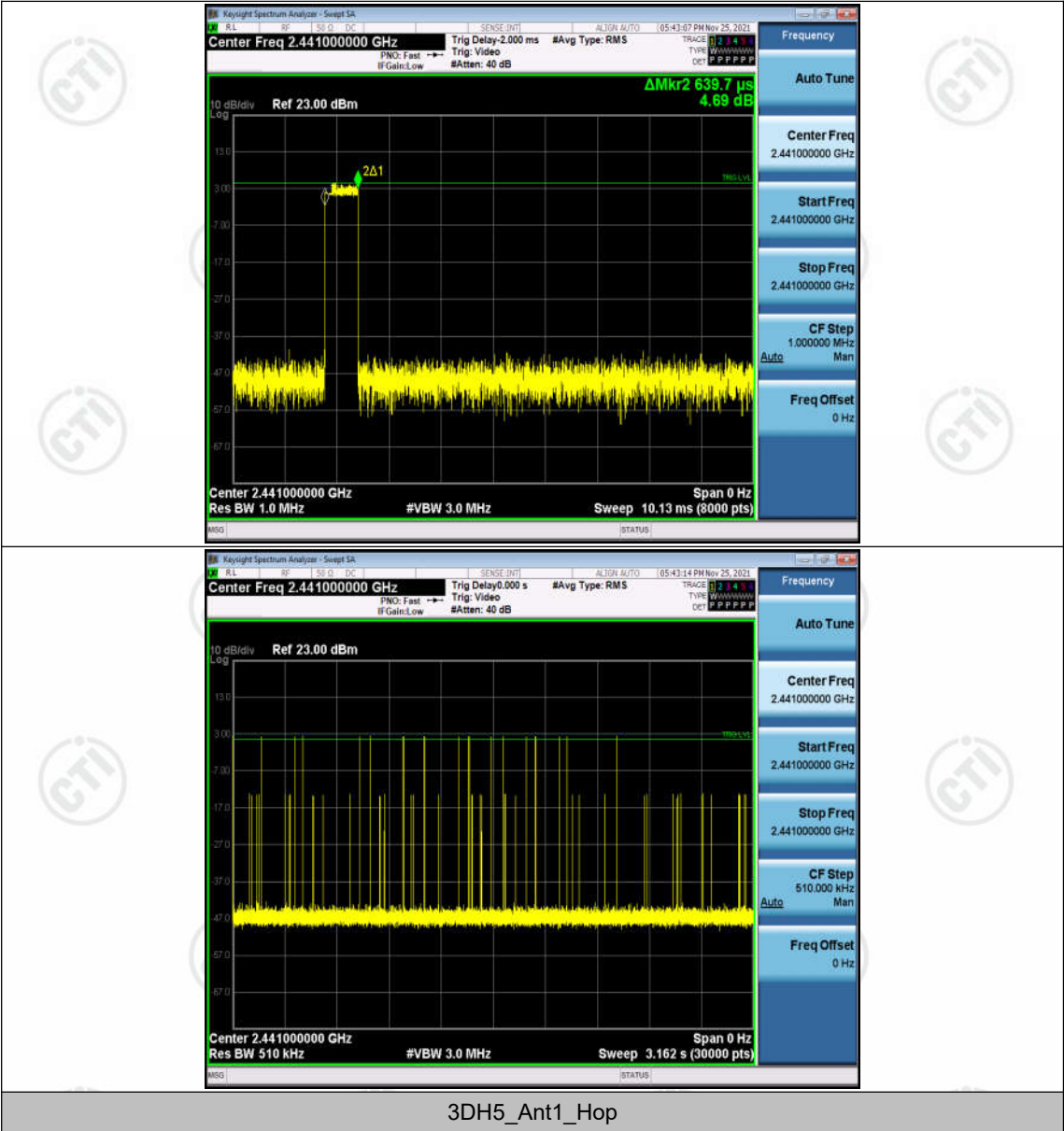
2DH1_Ant1_Hop

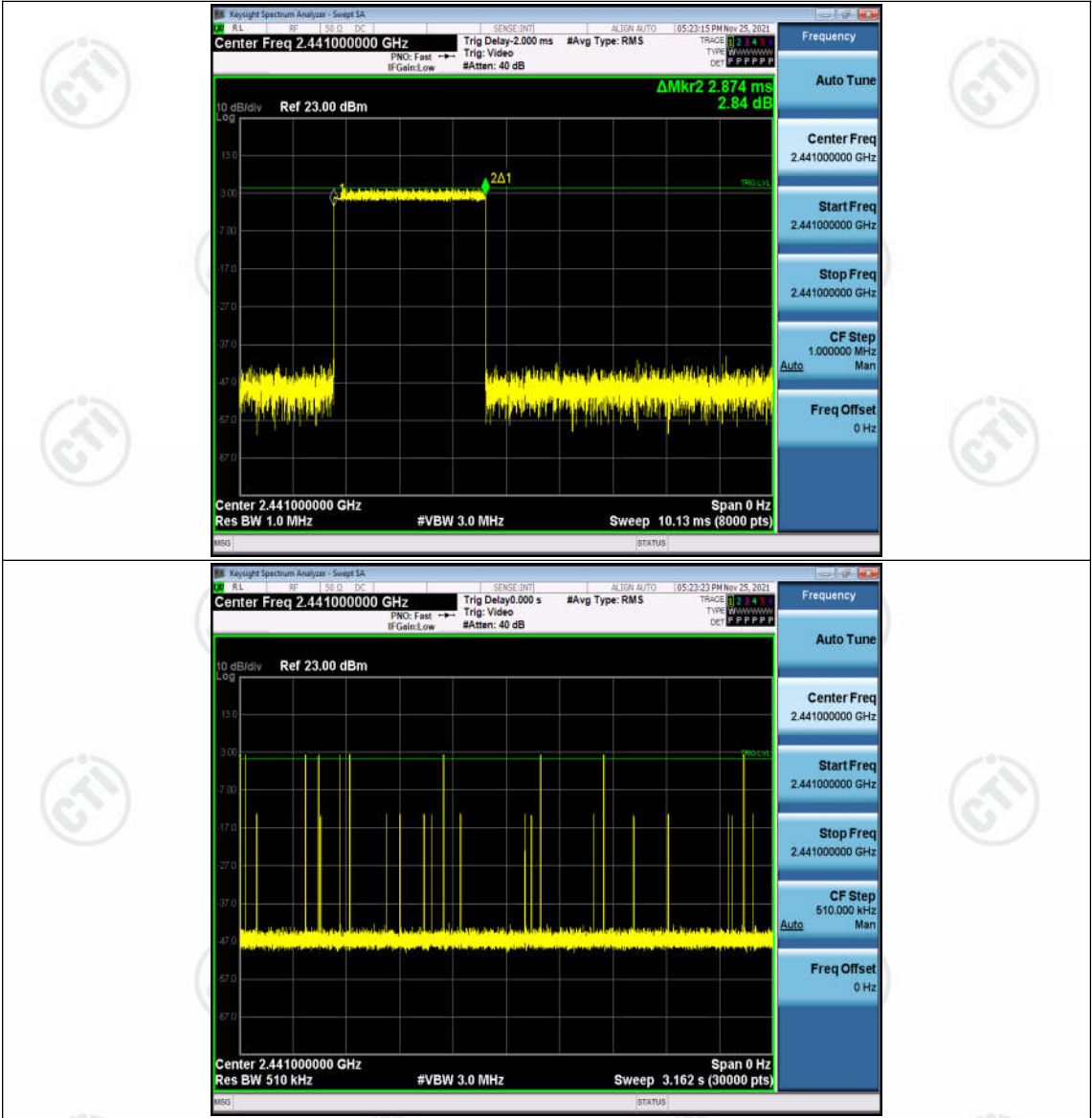










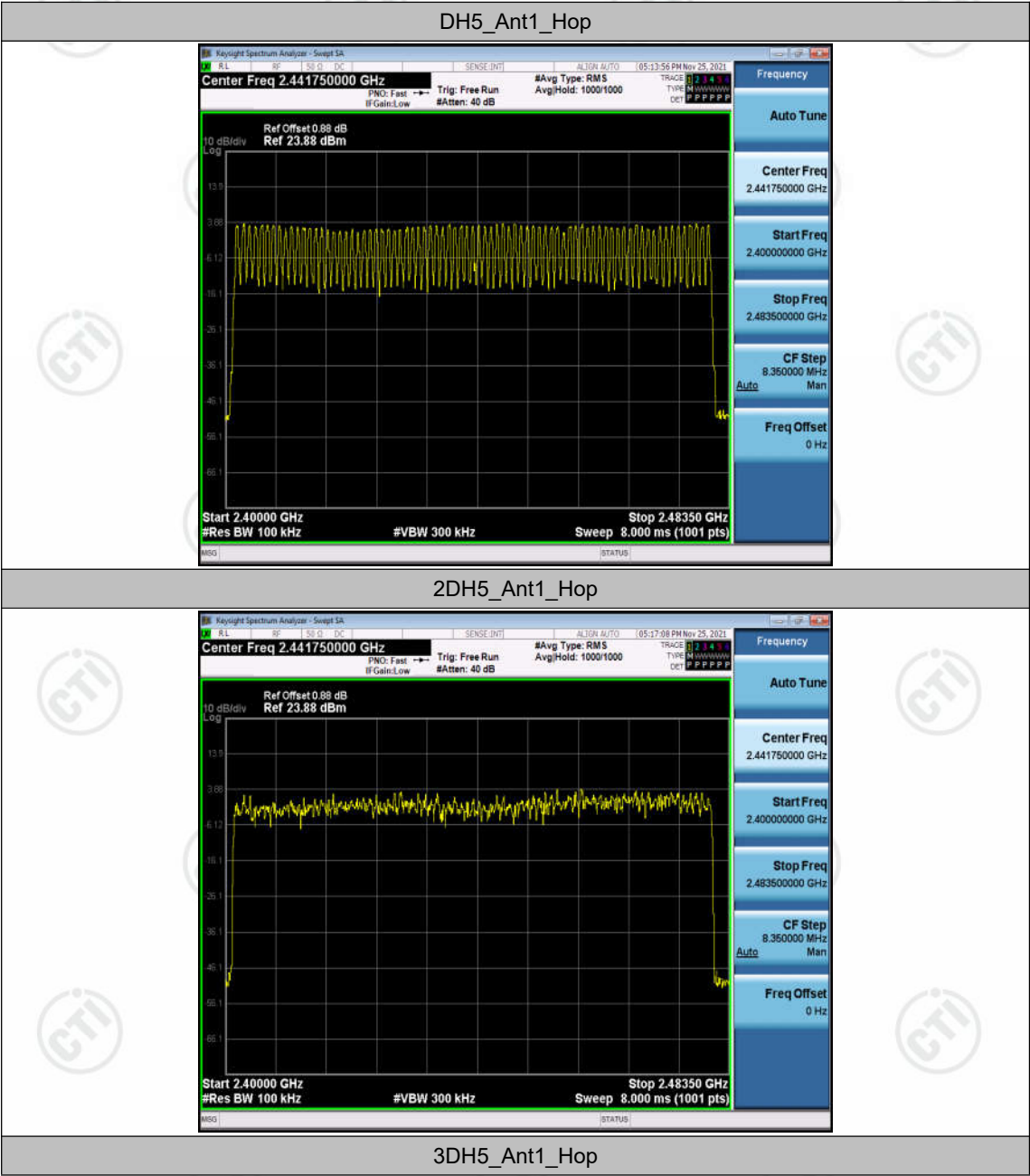


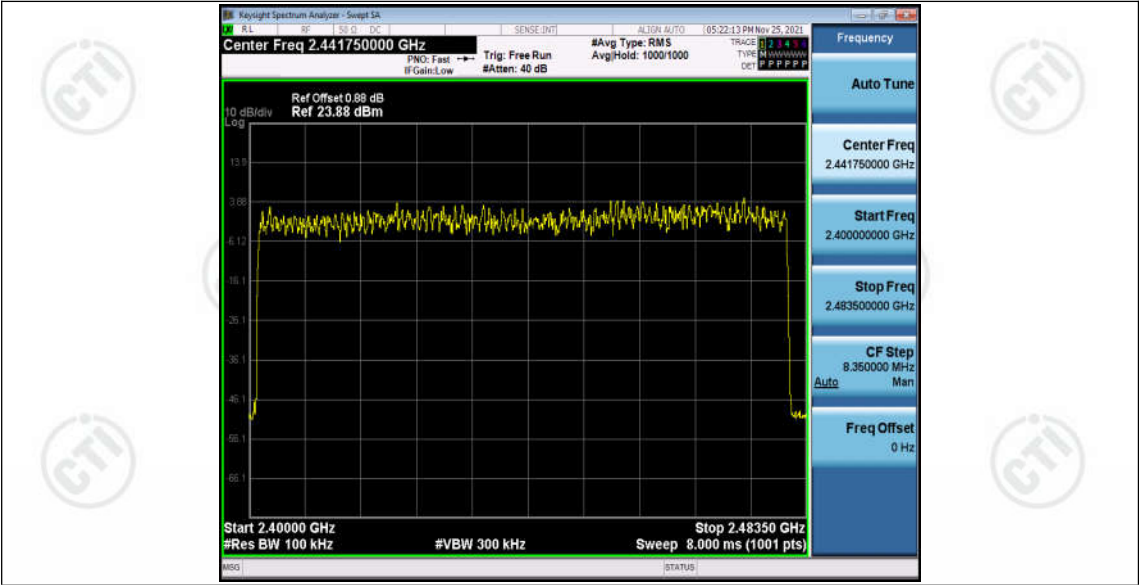
Appendix F: Number of hopping channels

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





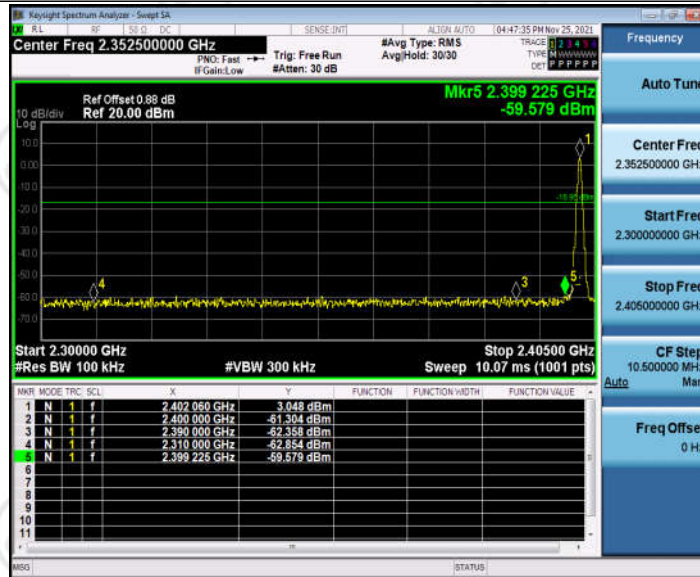
Appendix G: Band edge measurements

Test Result

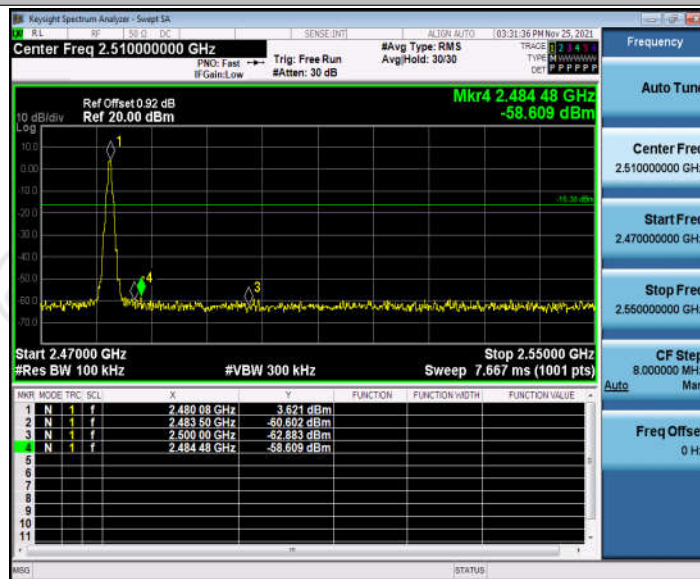
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.05	-59.58	<=-16.95	PASS
		High	2480	3.62	-58.61	<=-16.38	PASS
		Low	Hop_2402	3.22	-58.62	<=-16.78	PASS
		High	Hop_2480	3.32	-58.26	<=-16.68	PASS
2DH5	Ant1	Low	2402	0.34	-58.54	<=-19.66	PASS
		High	2480	1.00	-59.04	<=-19	PASS
		Low	Hop_2402	0.54	-57.81	<=-19.46	PASS
		High	Hop_2480	3.78	-57.98	<=-16.22	PASS
3DH5	Ant1	Low	2402	0.40	-57.35	<=-19.61	PASS
		High	2480	1.16	-58.71	<=-18.84	PASS
		Low	Hop_2402	1.50	-58.4	<=-18.5	PASS
		High	Hop_2480	4.99	-58.37	<=-15.01	PASS

Test Graphs

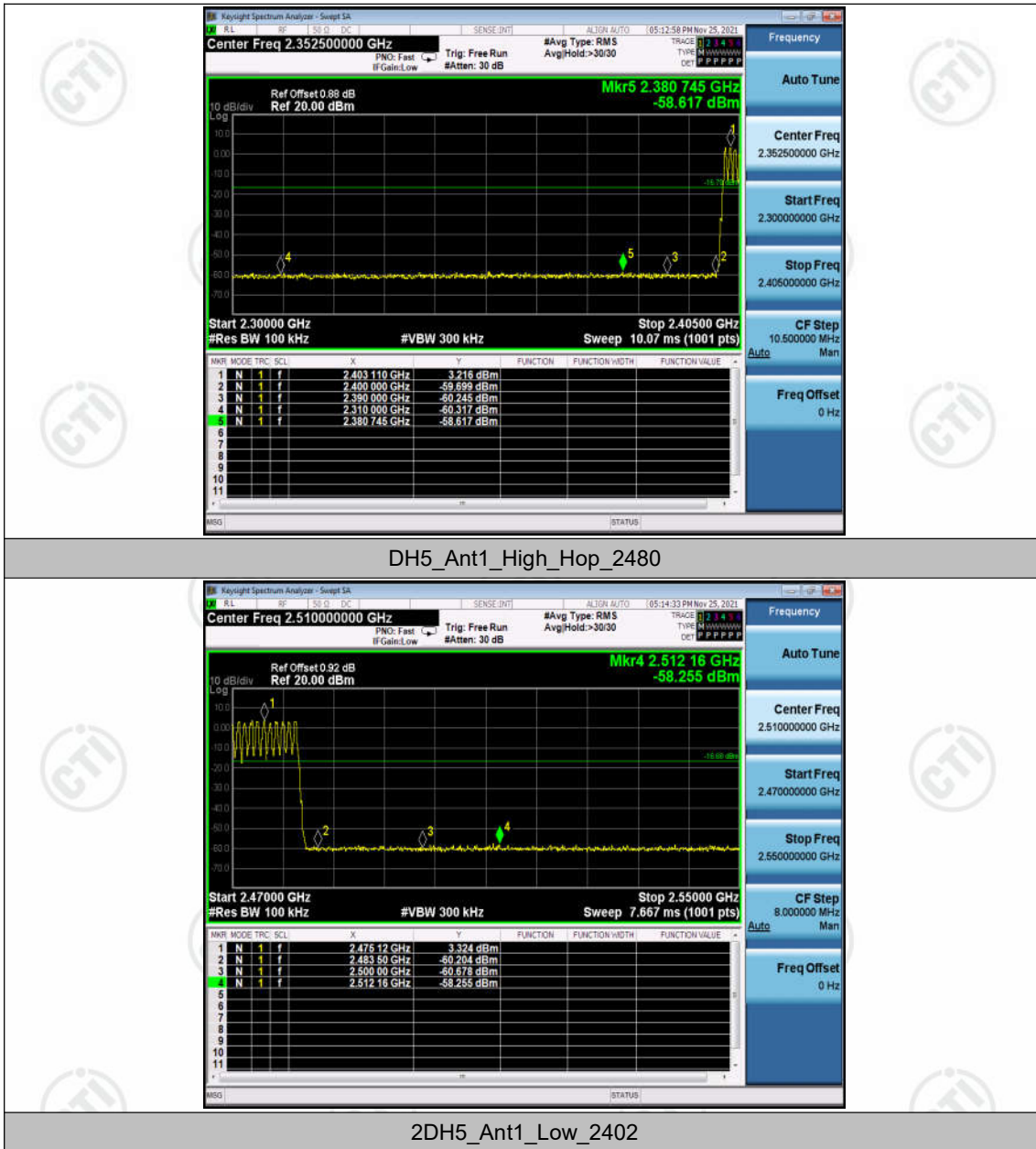
DH5_Ant1_Low_2402

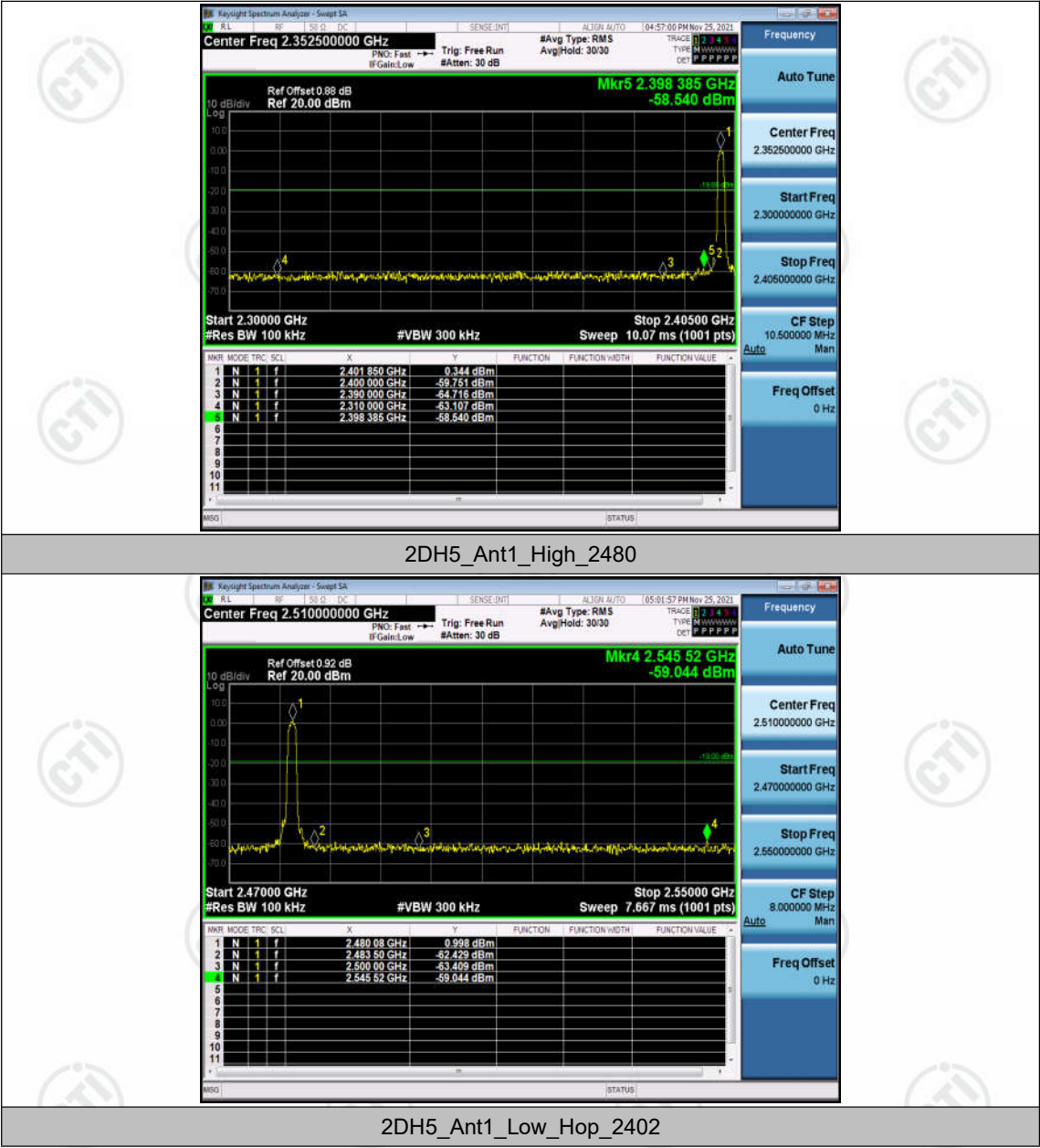


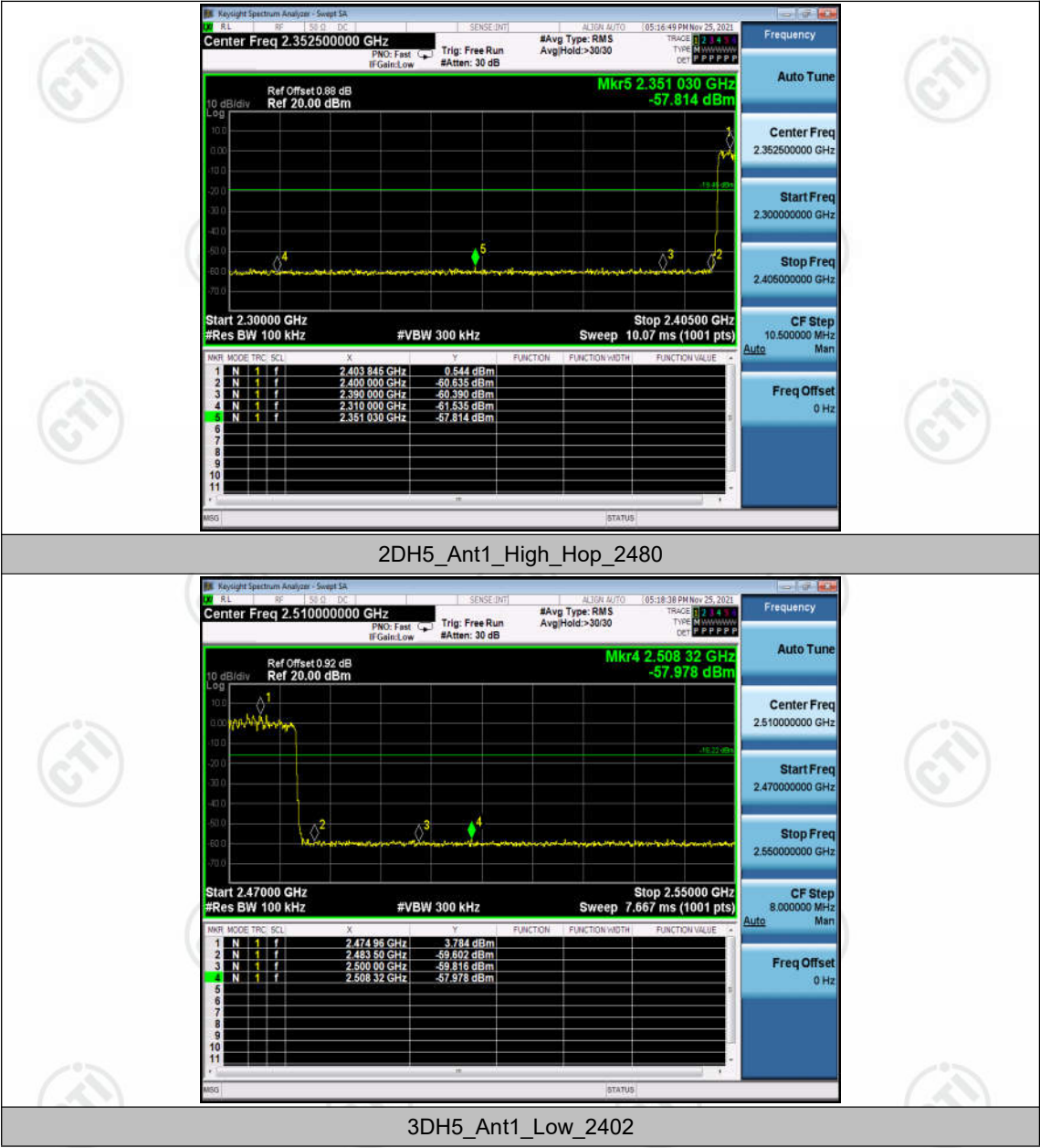
DH5_Ant1_High_2480

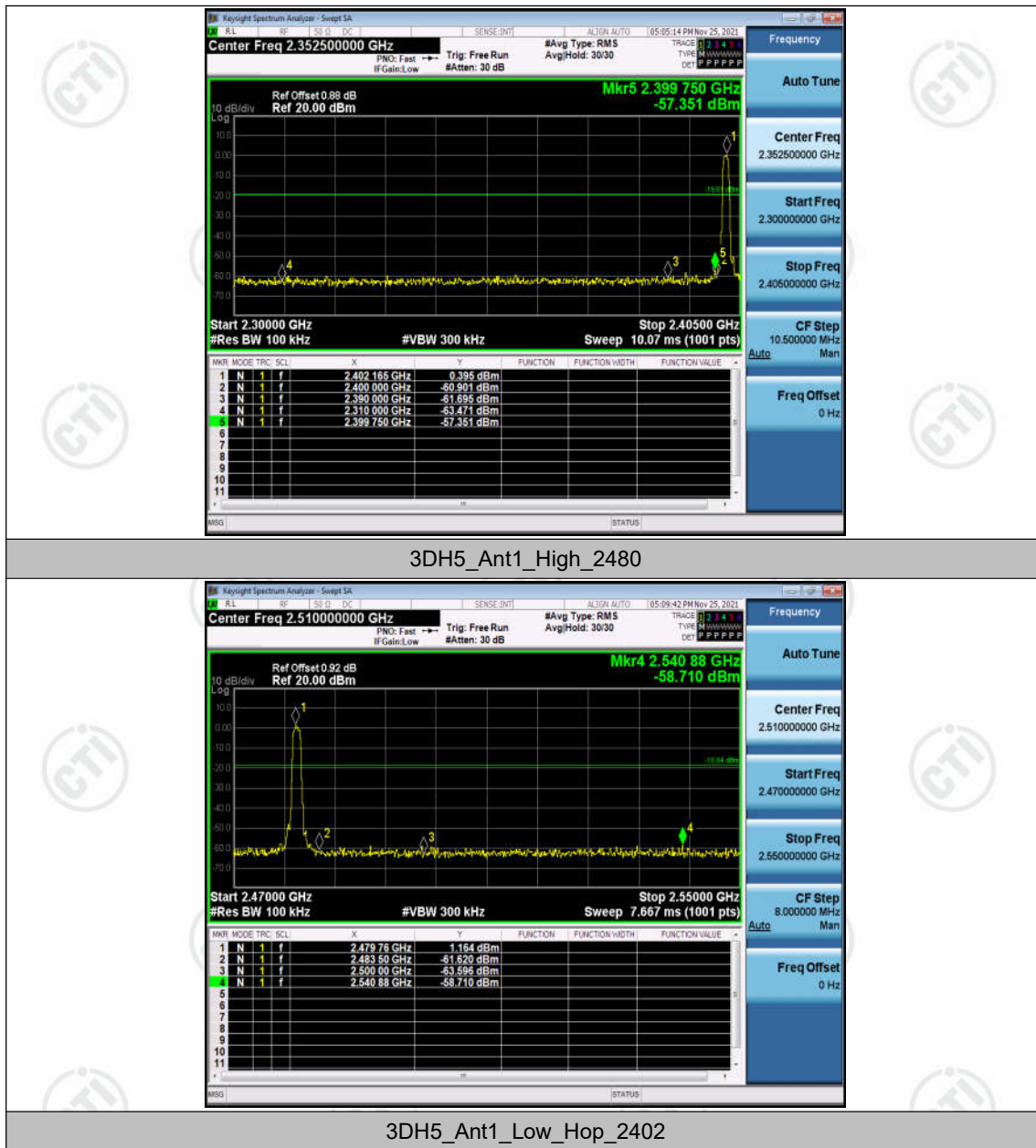


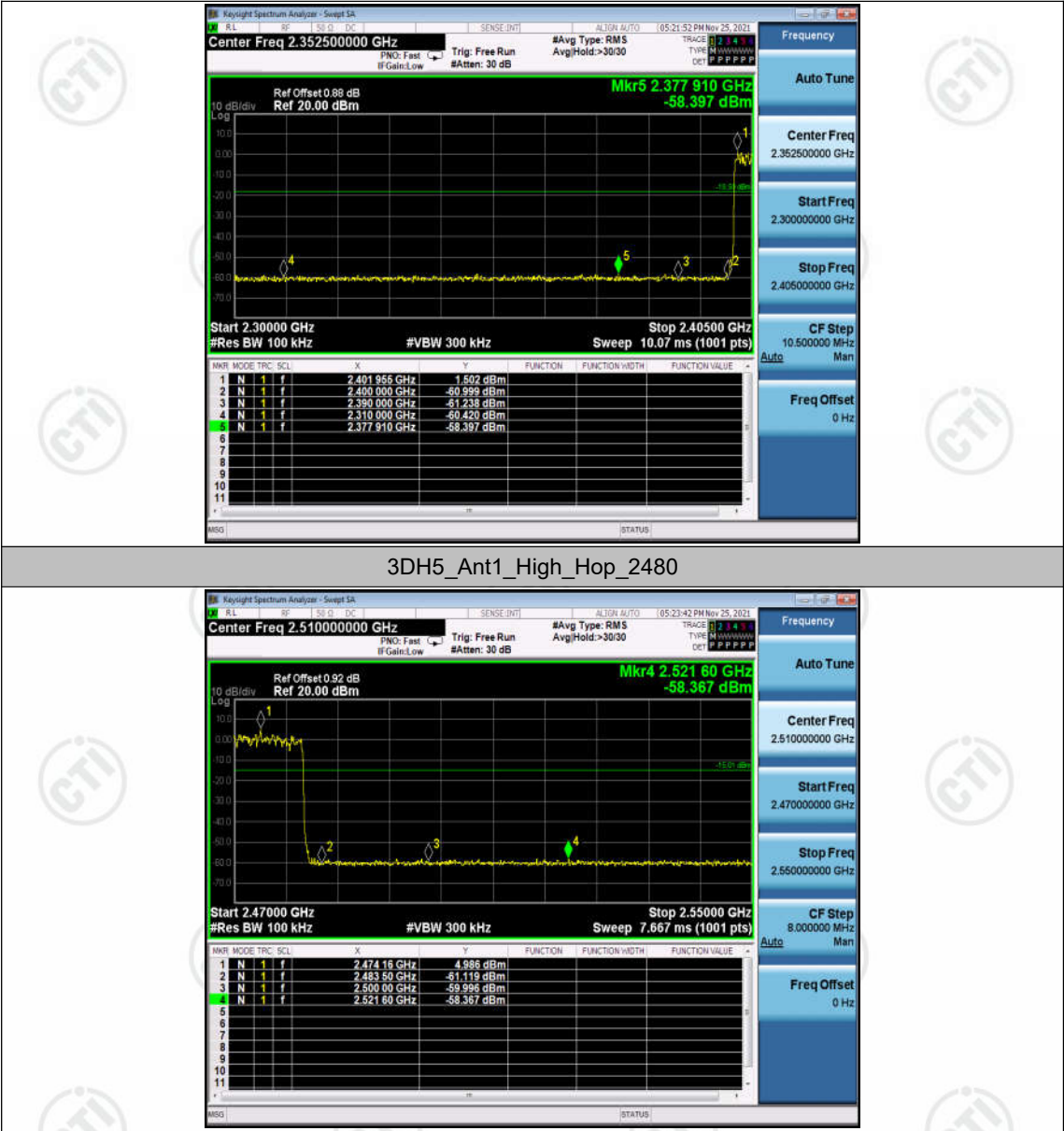
DH5_Ant1_Low_Hop_2402









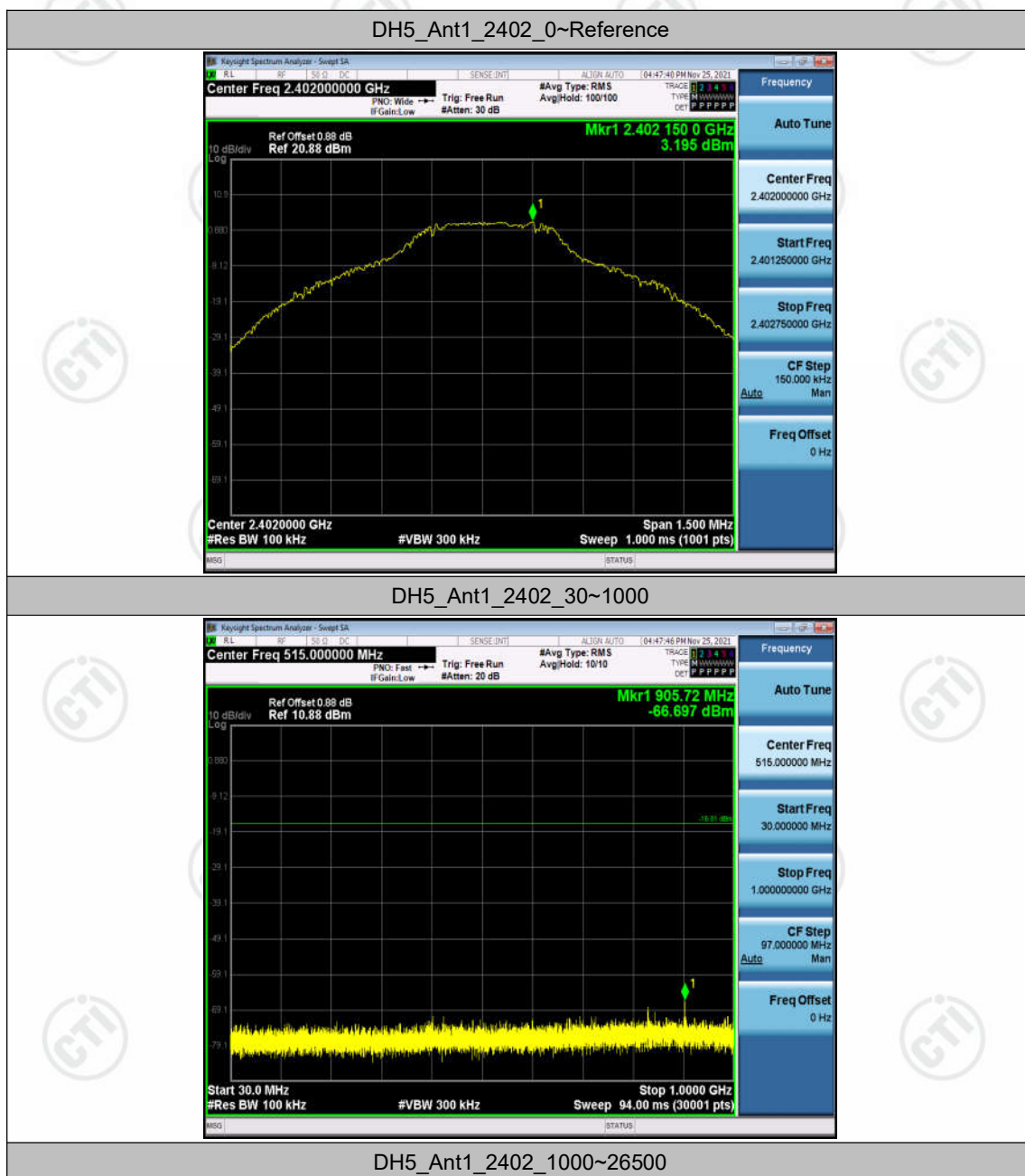


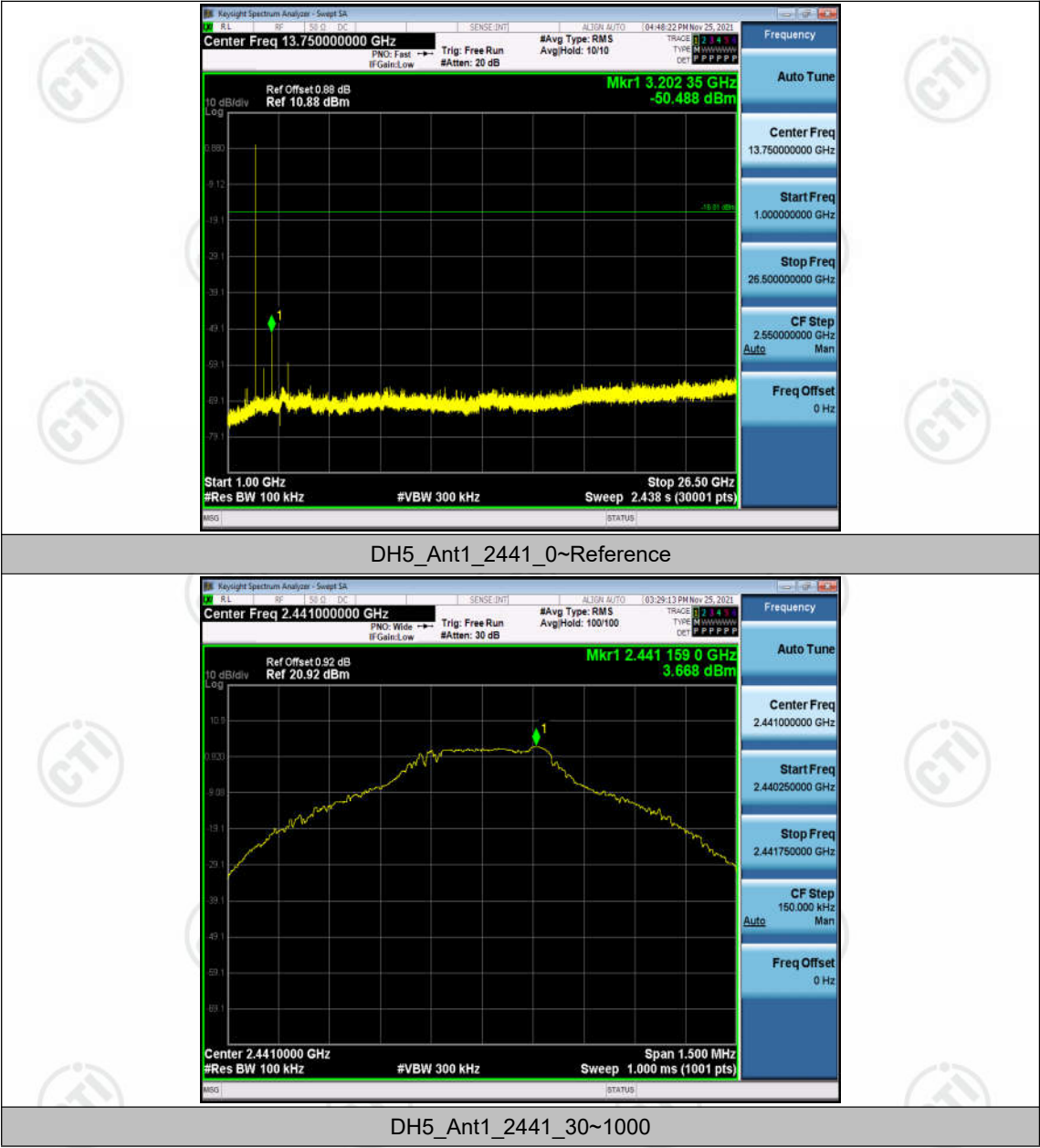
Appendix H: Conducted Spurious Emission

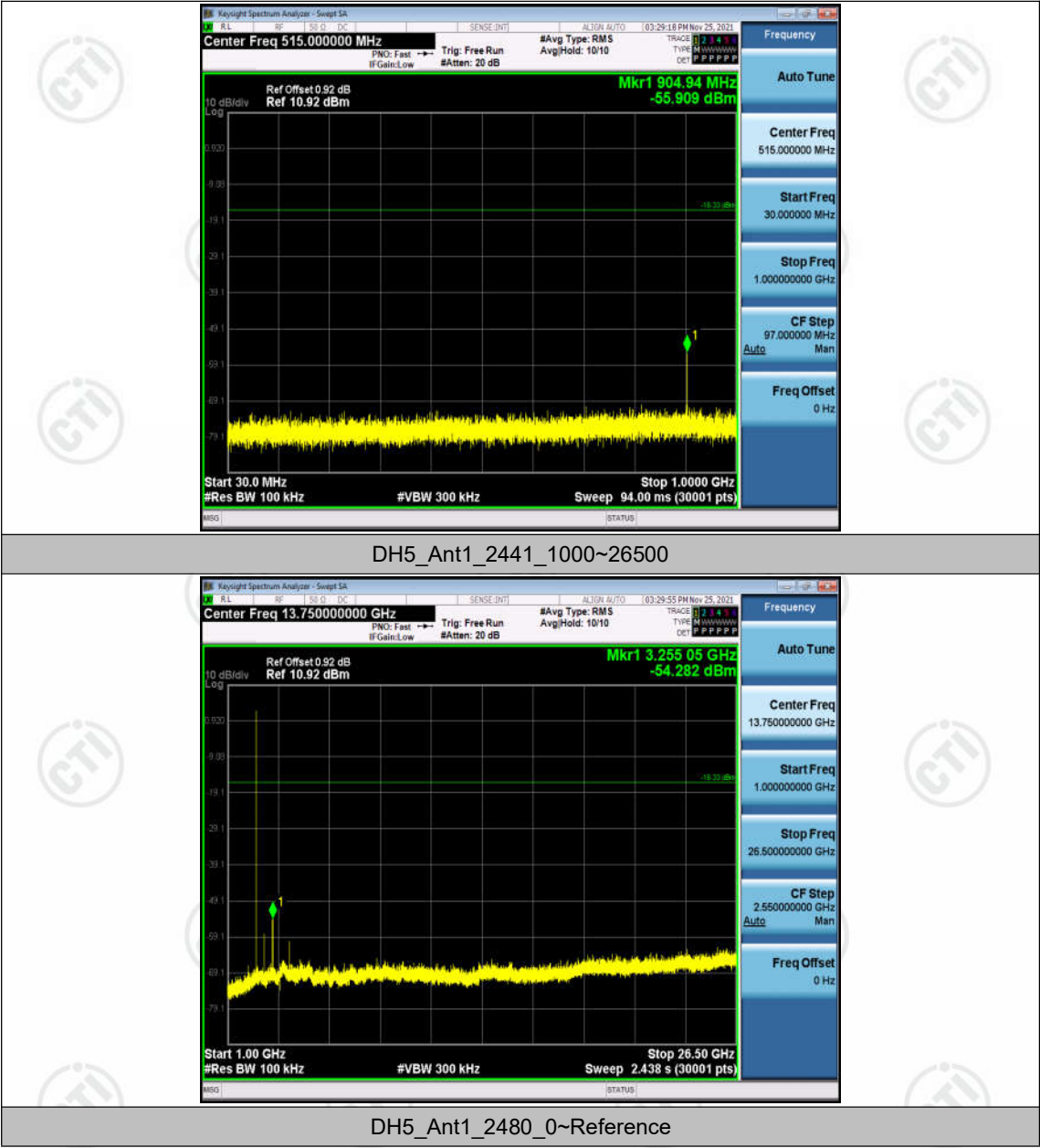
Test Result

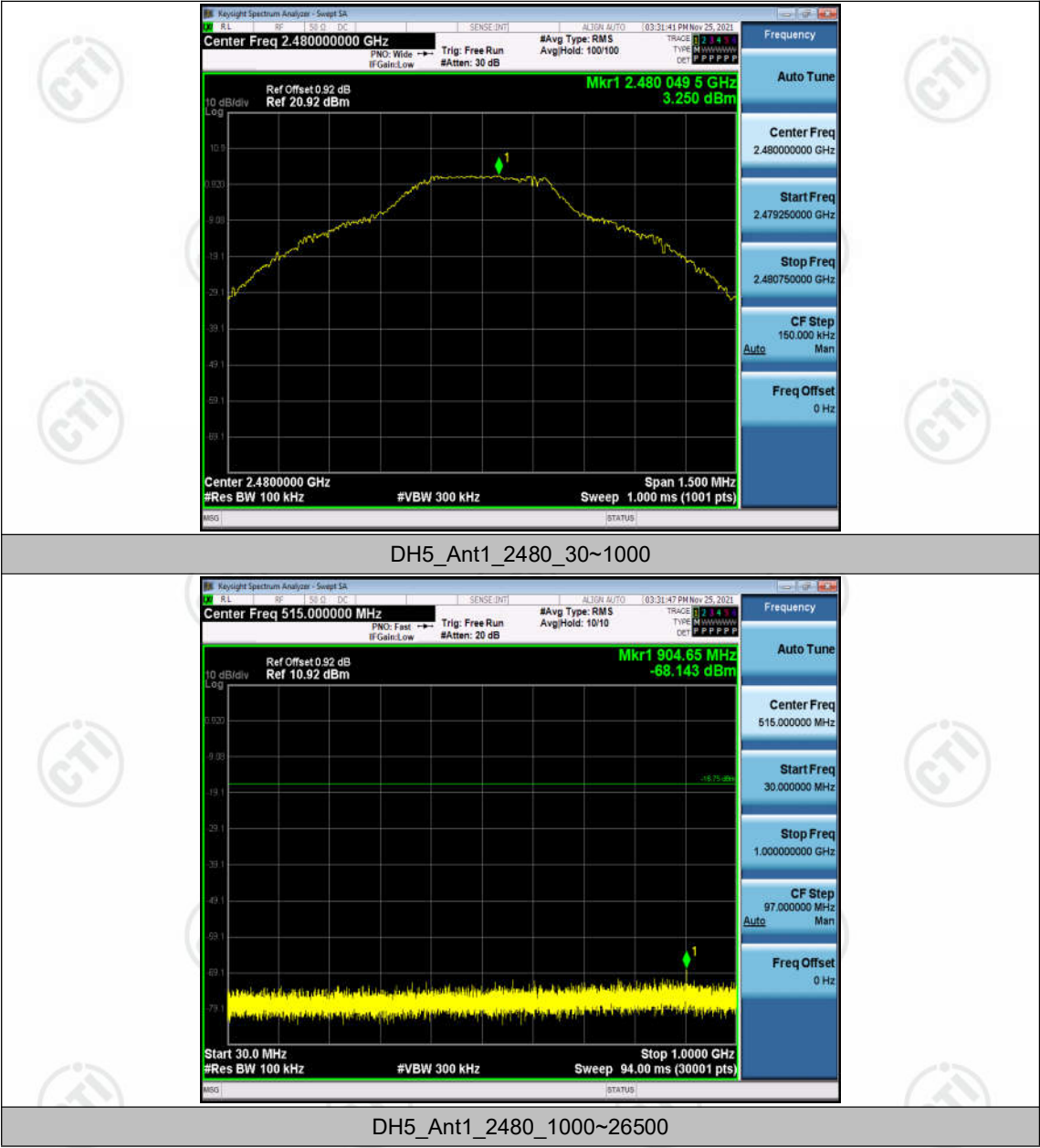
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.20	3.20	---	PASS
			30~1000	30~1000	-66.697	<=-16.805	PASS
			1000~26500	1000~26500	-50.488	<=-16.805	PASS
		2441	Reference	3.67	3.67	---	PASS
			30~1000	30~1000	-55.909	<=-16.332	PASS
			1000~26500	1000~26500	-54.282	<=-16.332	PASS
		2480	Reference	3.25	3.25	---	PASS
			30~1000	30~1000	-68.143	<=-16.75	PASS
			1000~26500	1000~26500	-55.198	<=-16.75	PASS
2DH5	Ant1	2402	Reference	1.92	1.92	---	PASS
			30~1000	30~1000	-70.476	<=-18.081	PASS
			1000~26500	1000~26500	-51.313	<=-18.081	PASS
		2441	Reference	2.48	2.48	---	PASS
			30~1000	30~1000	-66.47	<=-17.525	PASS
			1000~26500	1000~26500	-53.021	<=-17.525	PASS
		2480	Reference	2.22	2.22	---	PASS
			30~1000	30~1000	-64.925	<=-17.777	PASS
			1000~26500	1000~26500	-54.548	<=-17.777	PASS
3DH5	Ant1	2402	Reference	1.87	1.87	---	PASS
			30~1000	30~1000	-70.467	<=-18.126	PASS
			1000~26500	1000~26500	-51.205	<=-18.126	PASS
		2441	Reference	1.86	1.86	---	PASS
			30~1000	30~1000	-70.06	<=-18.137	PASS
			1000~26500	1000~26500	-53.067	<=-18.137	PASS
		2480	Reference	2.26	2.26	---	PASS
			30~1000	30~1000	-63.606	<=-17.737	PASS
			1000~26500	1000~26500	-54.331	<=-17.737	PASS

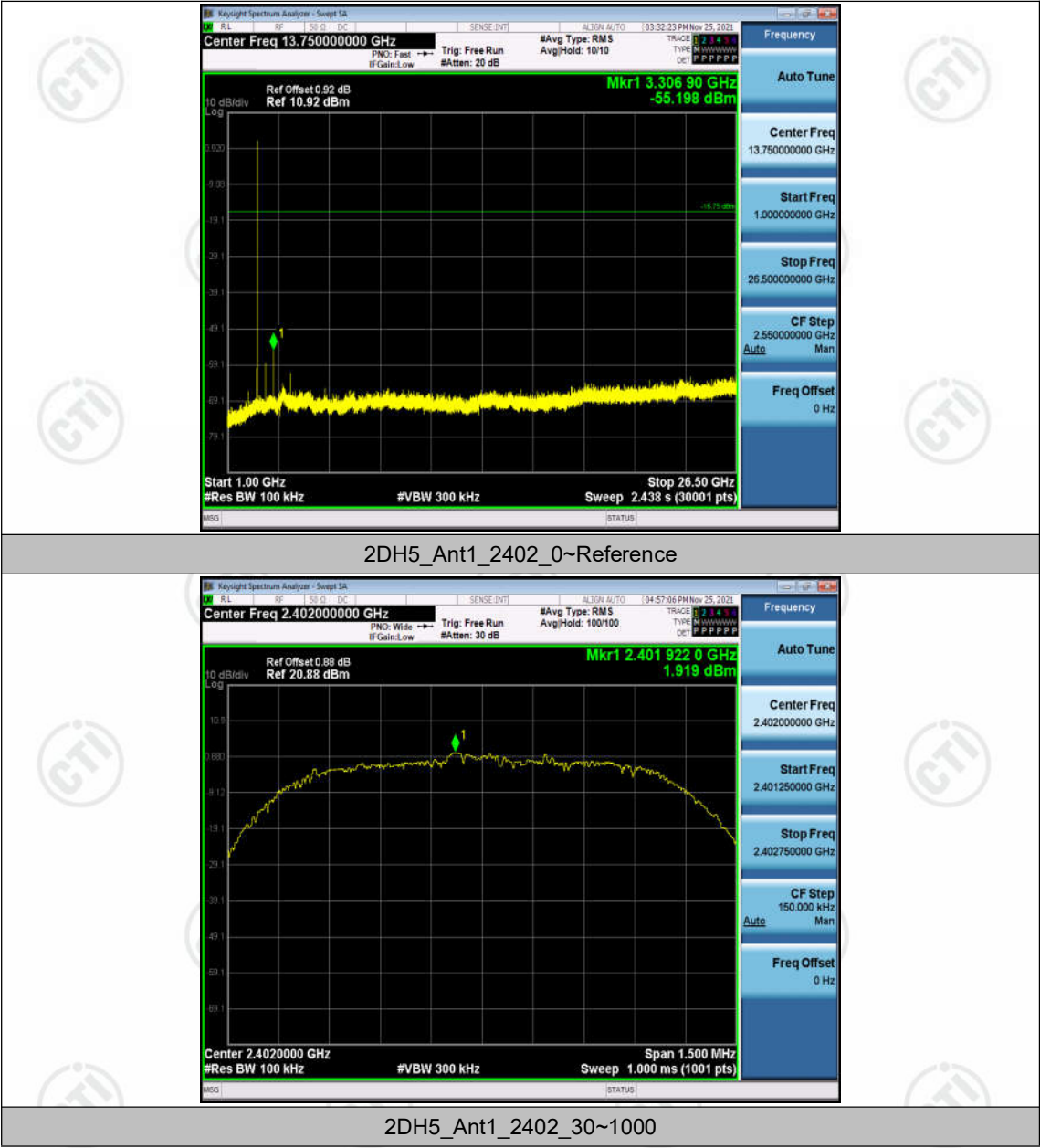
Test Graphs

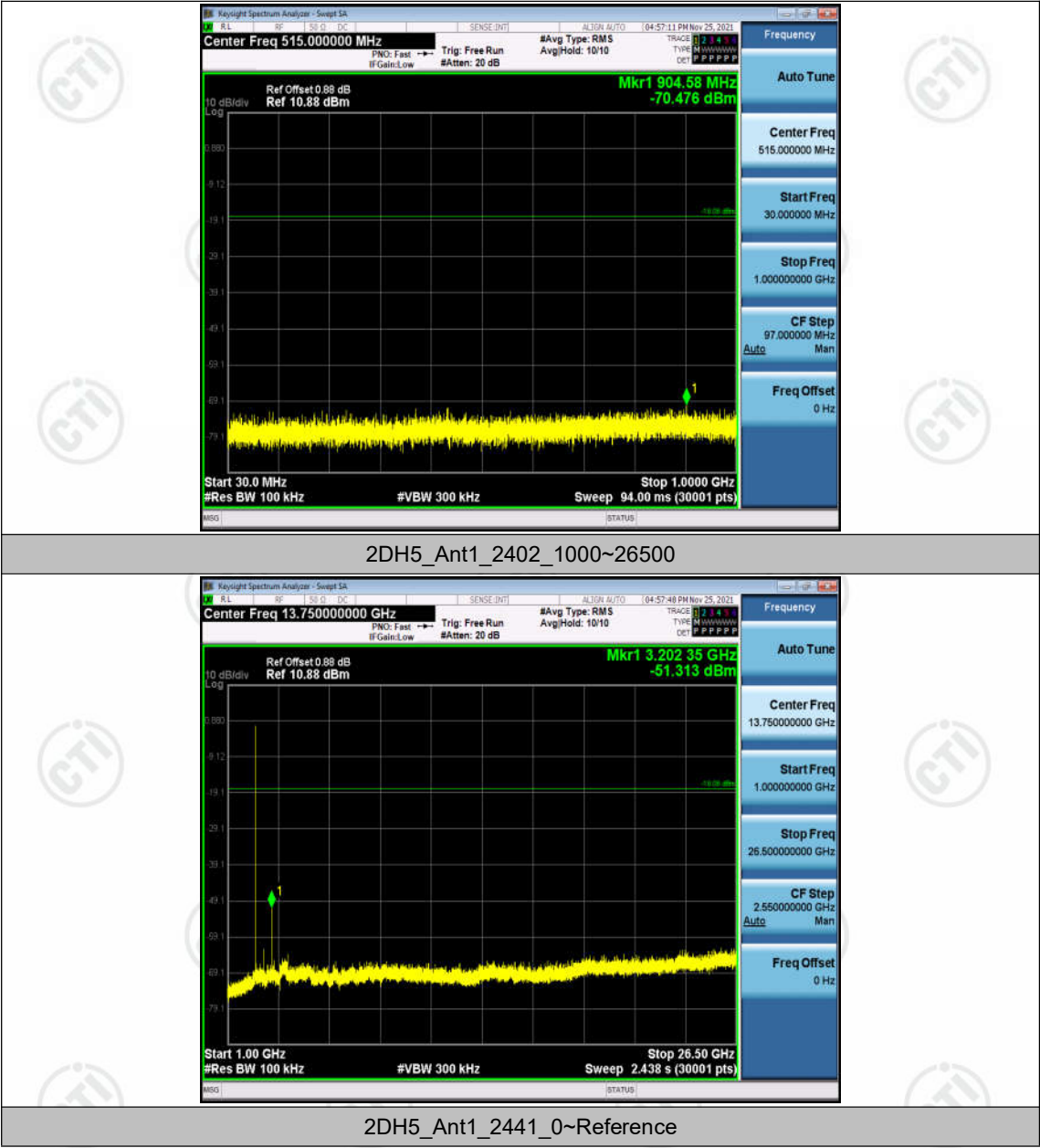


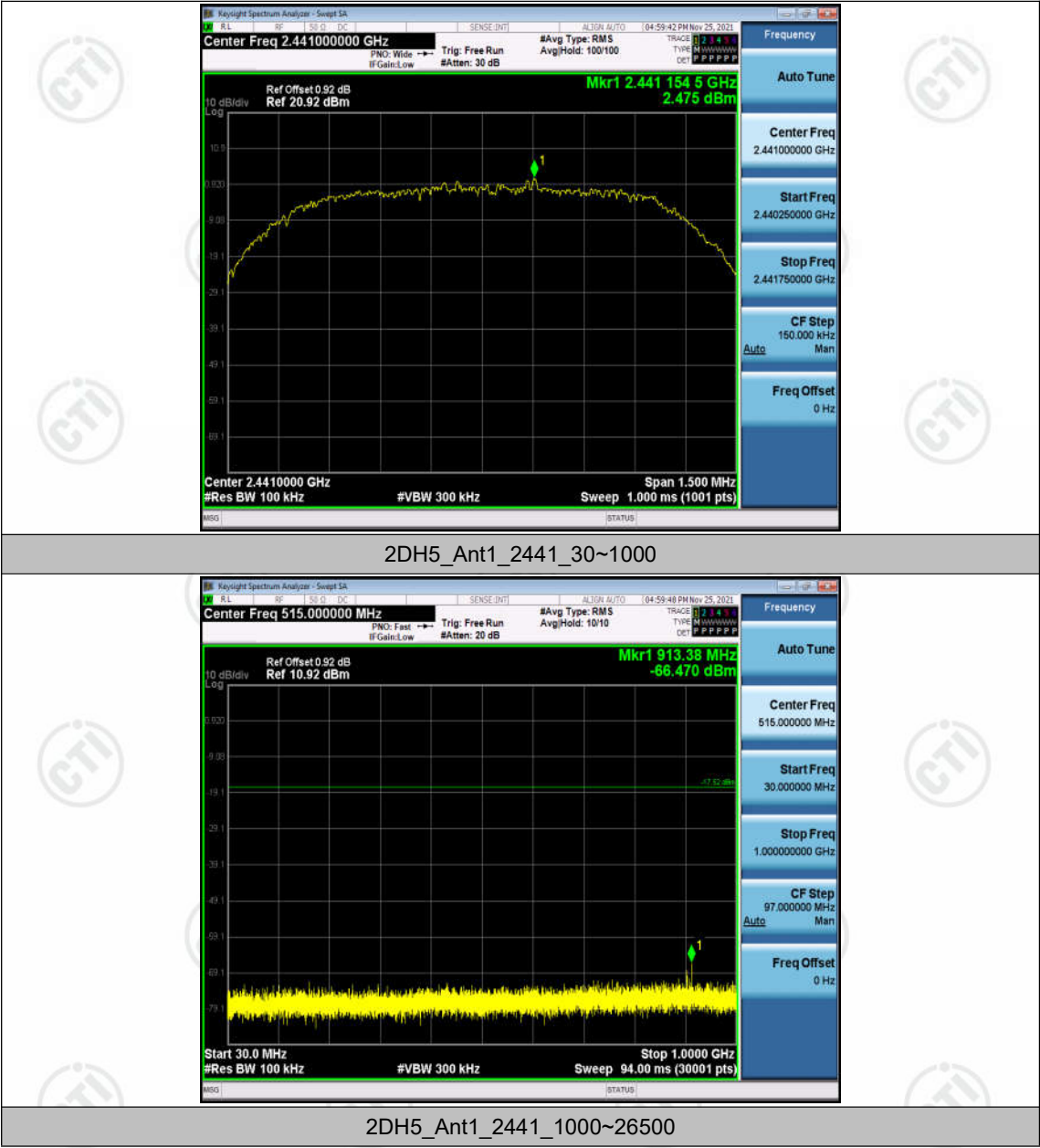


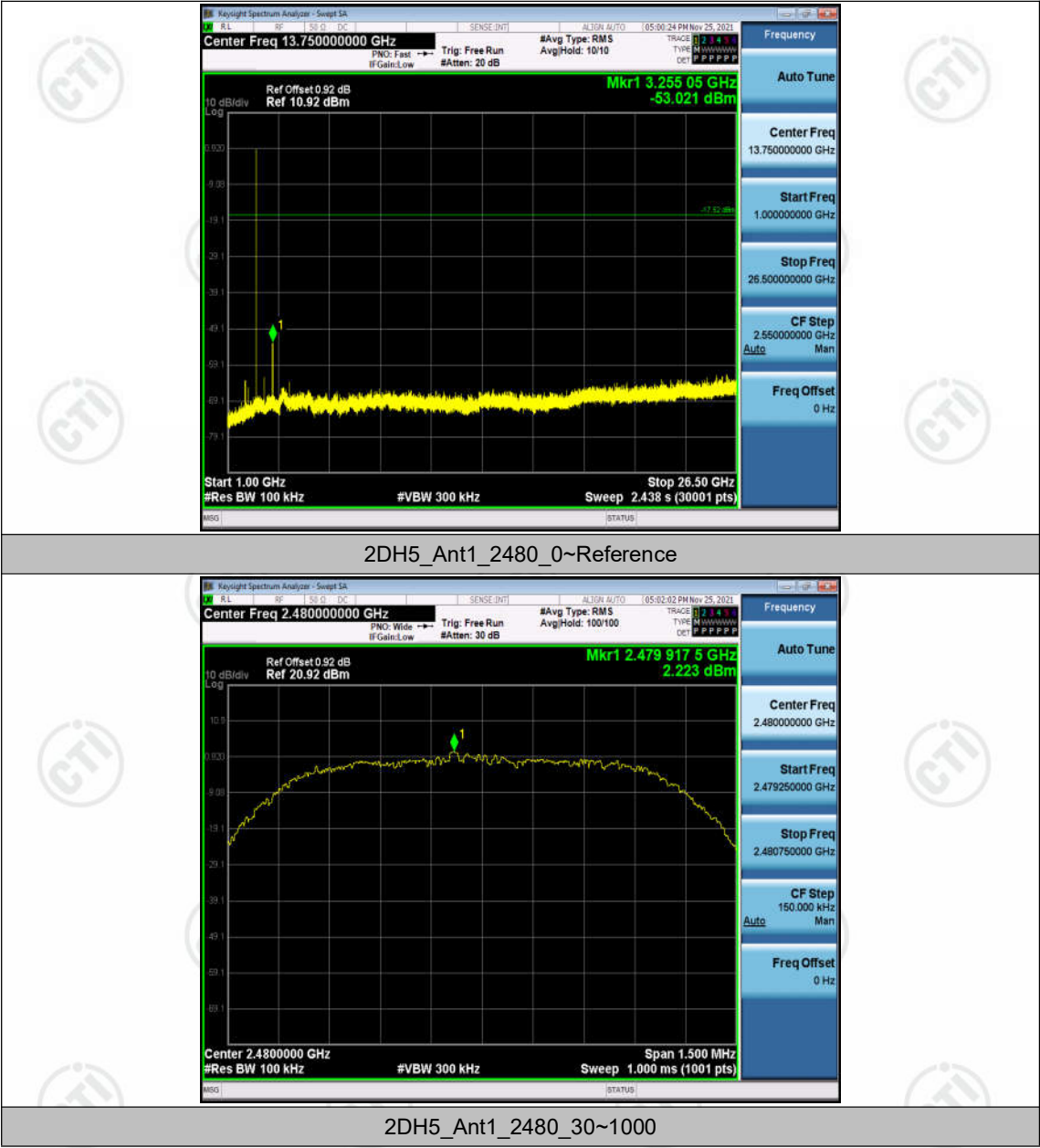


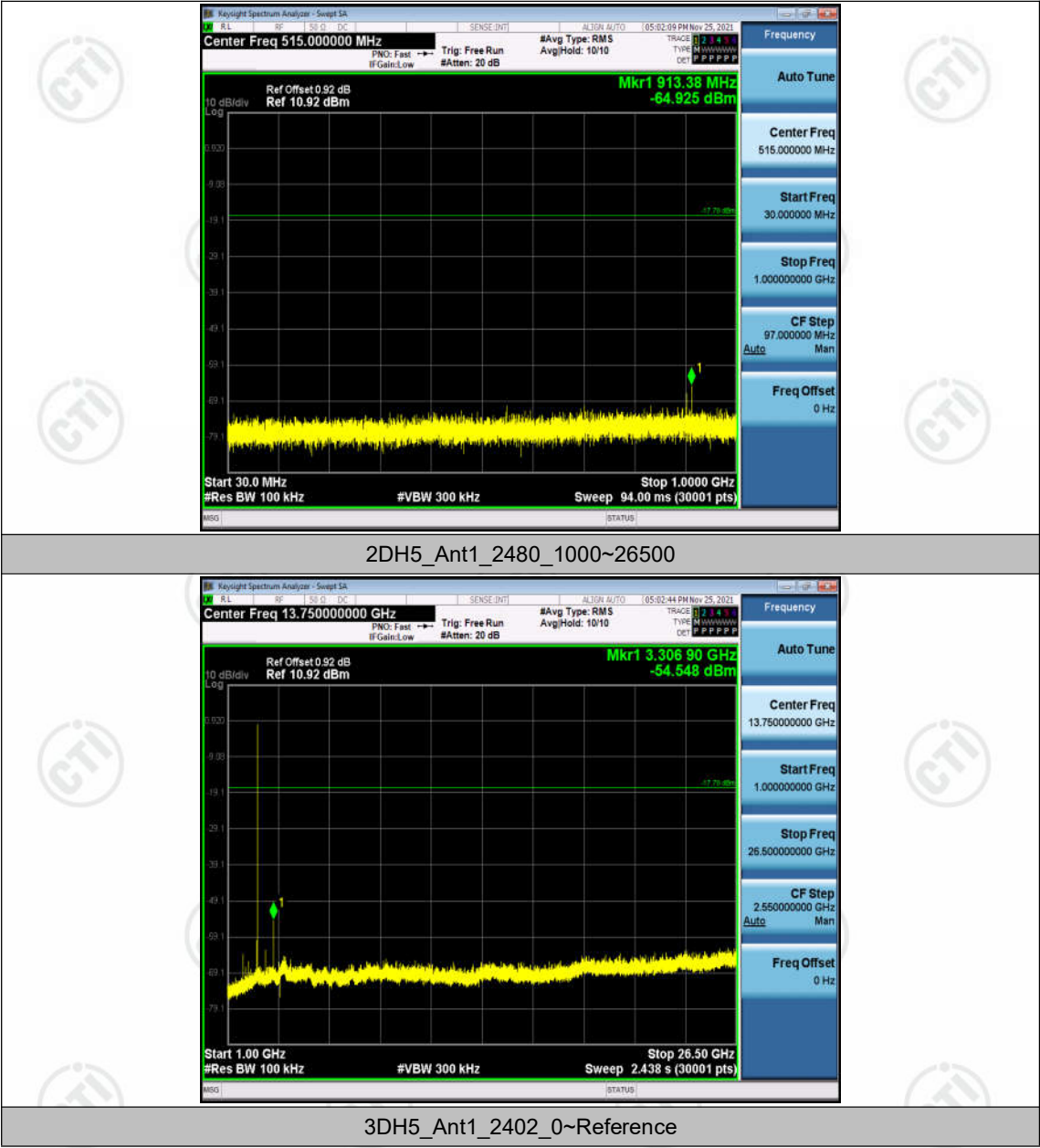


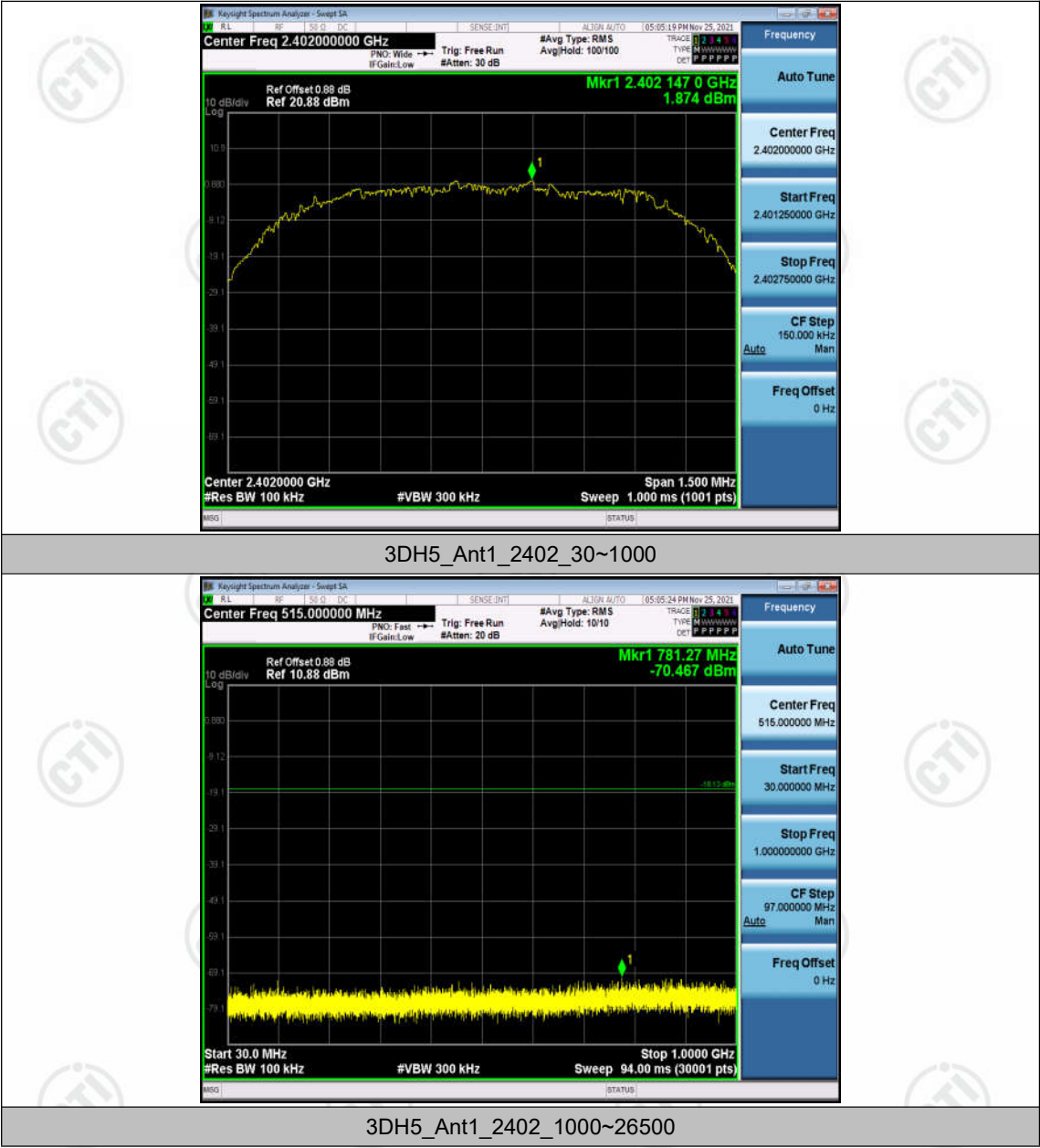


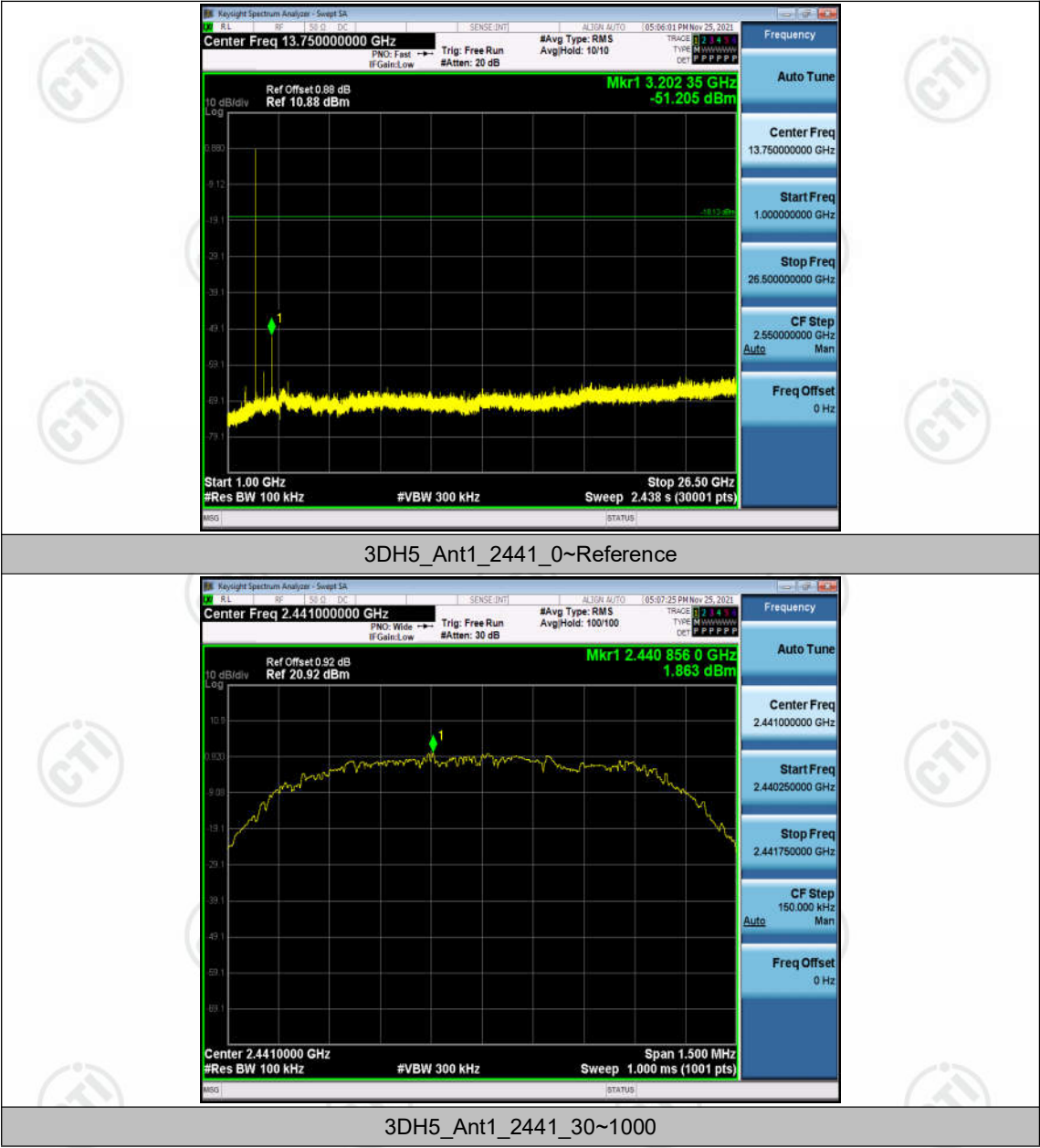


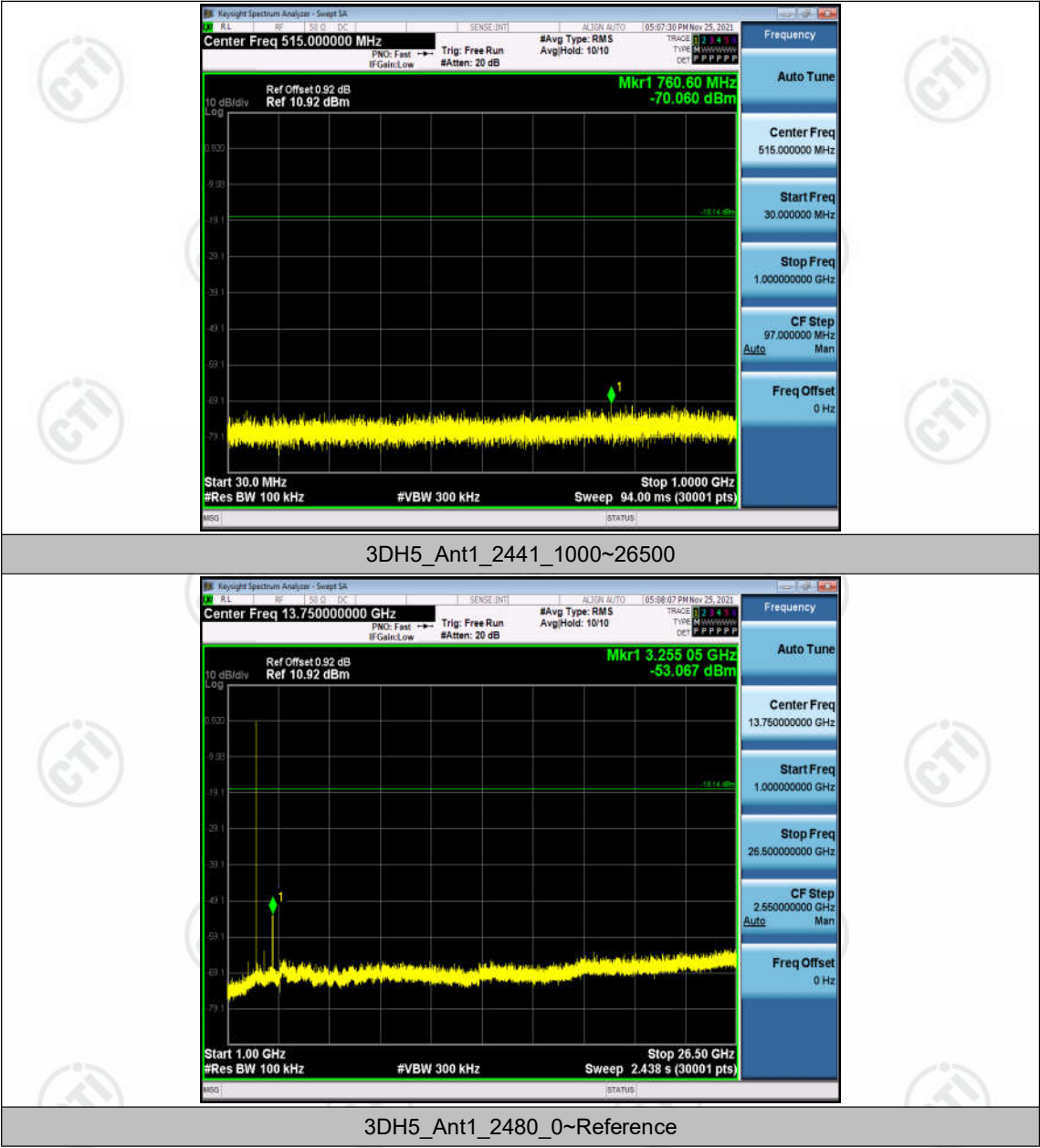


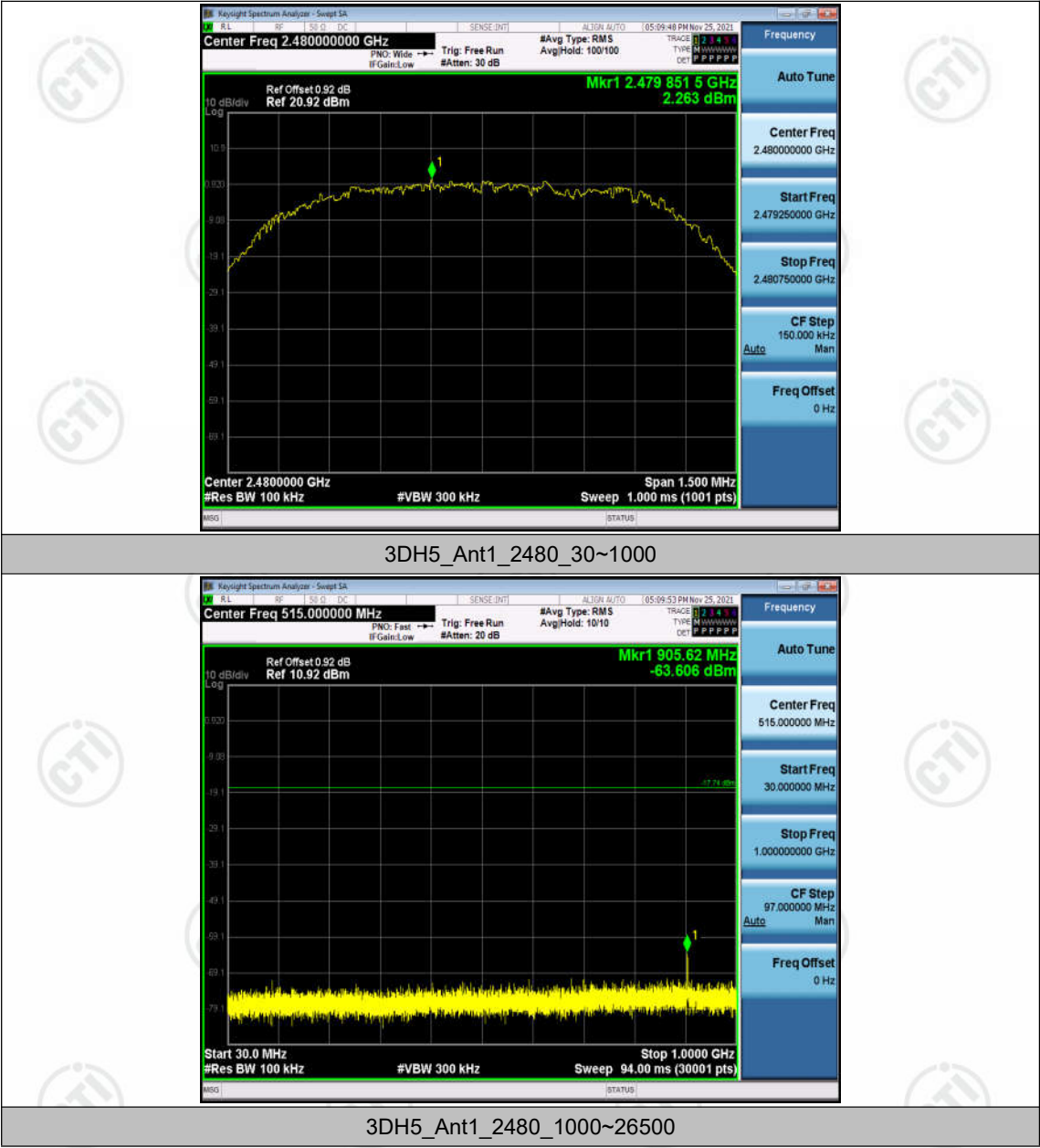


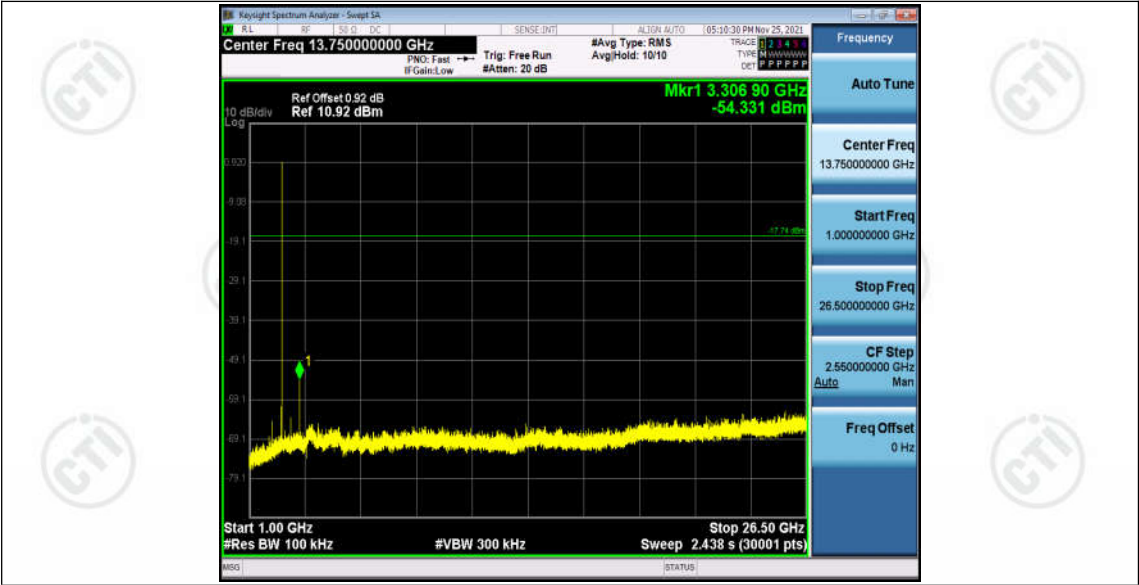










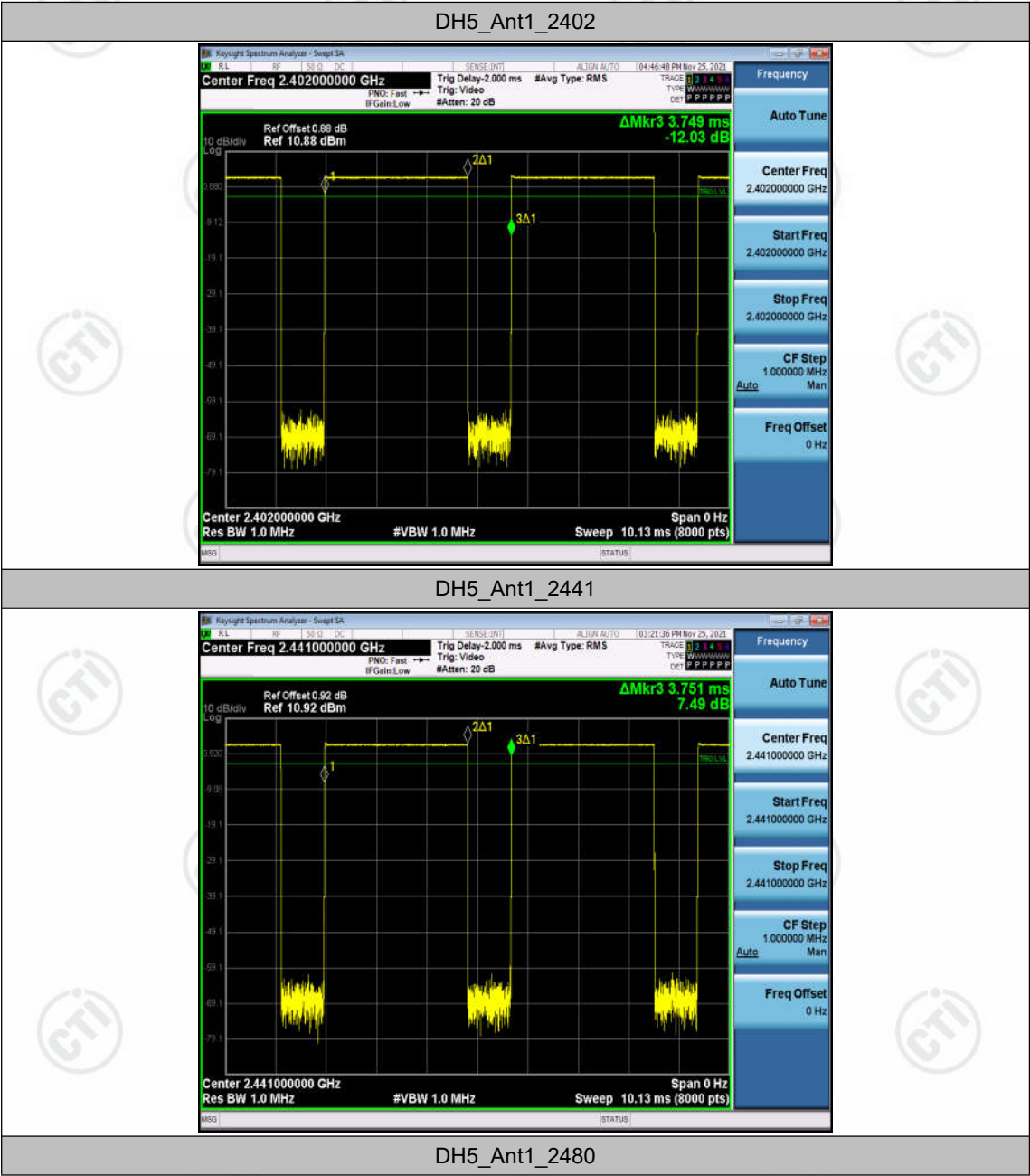


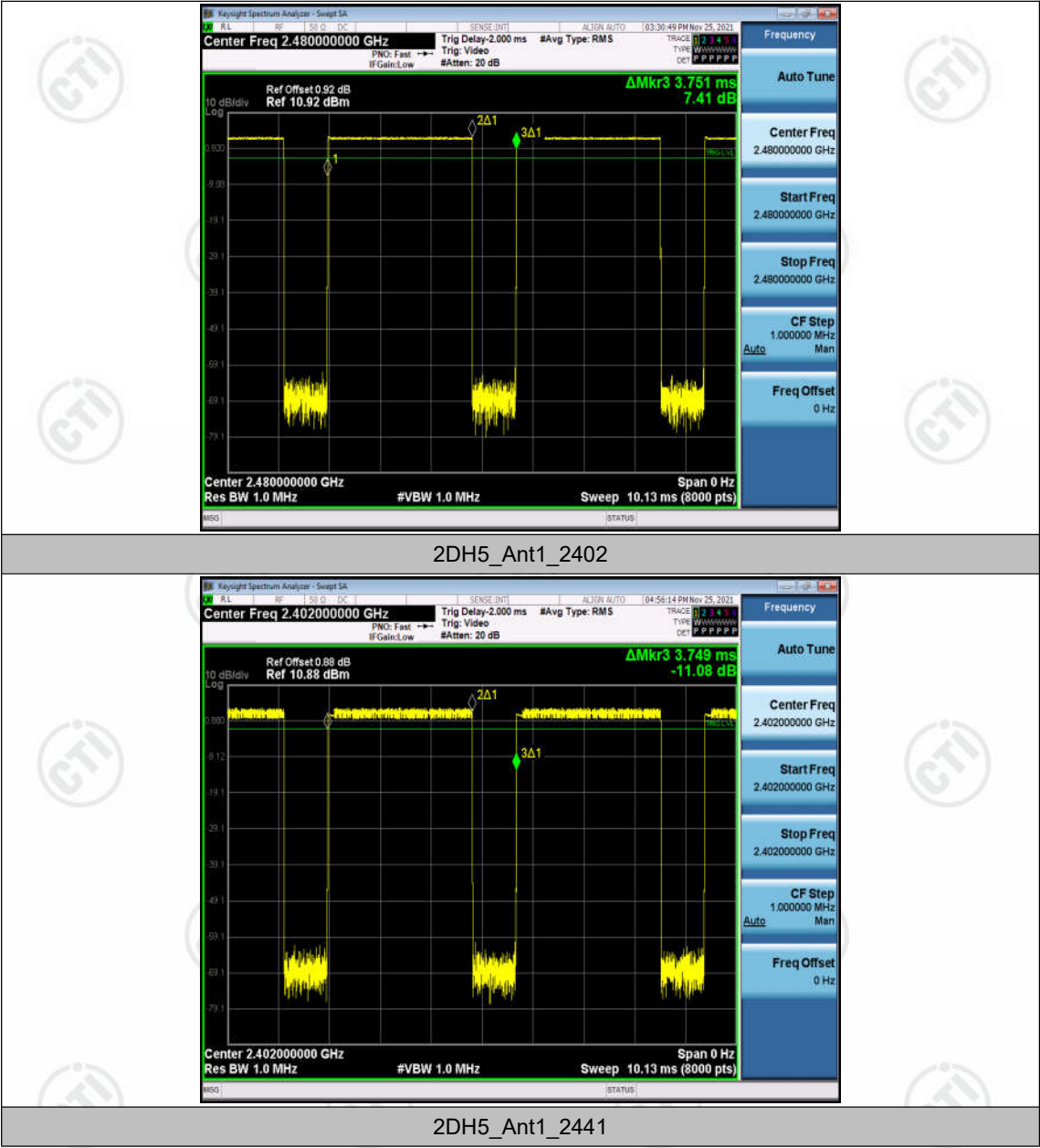
Appendix I: Duty Cycle

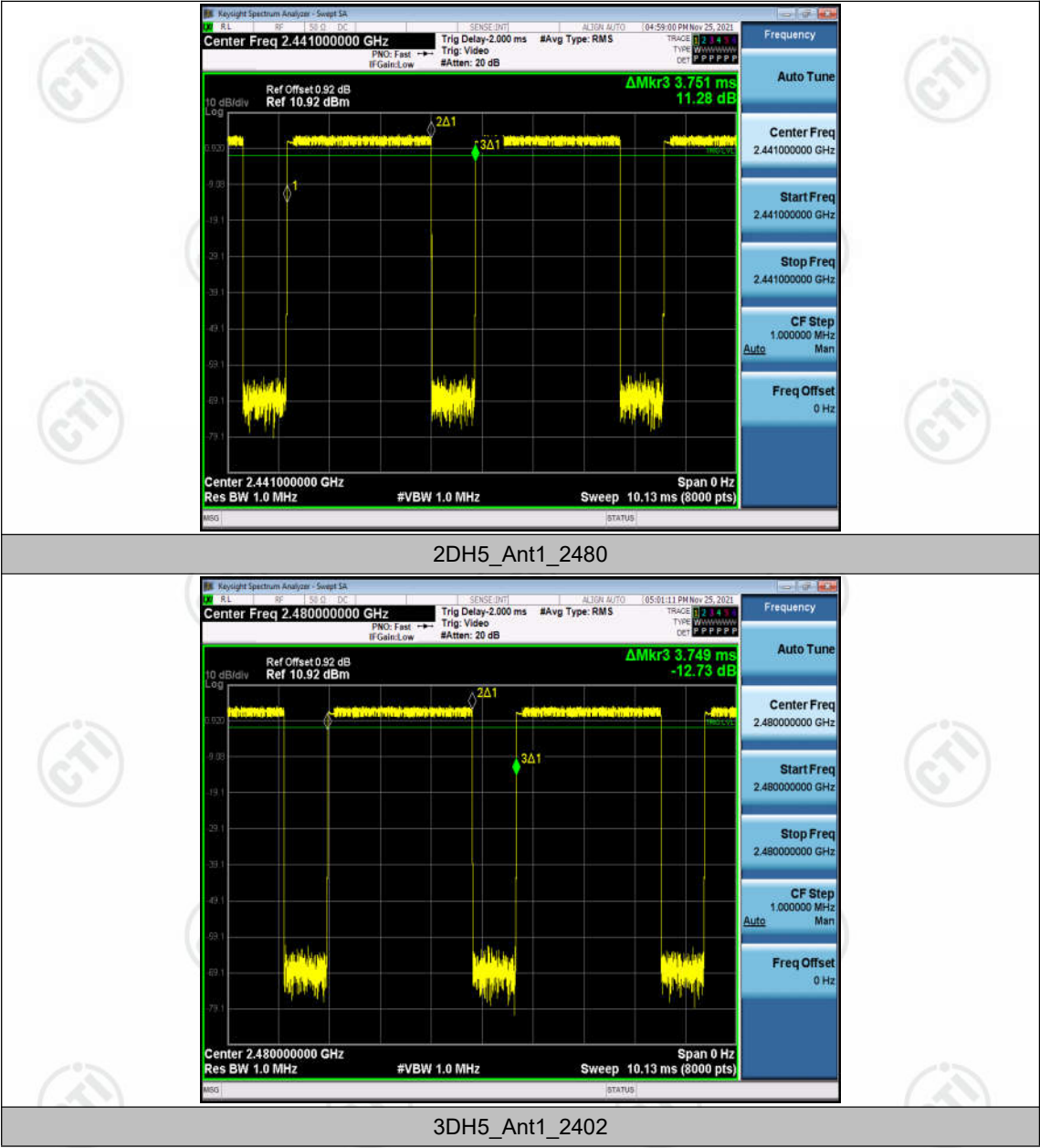
Test Result

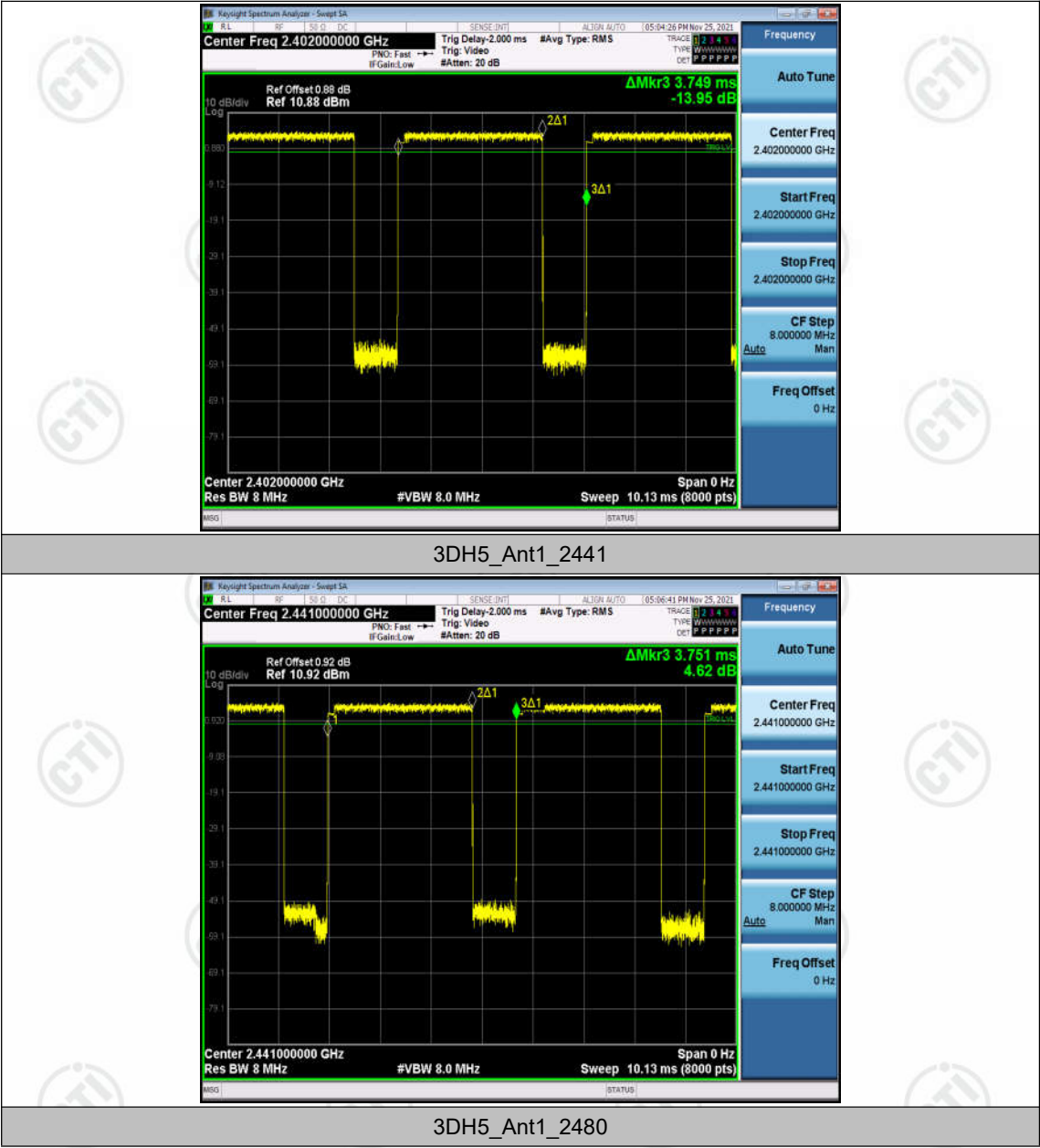
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	2.87	3.75	76.55	---	PASS
		2441	2.87	3.75	76.56	---	PASS
		2480	2.87	3.75	76.56	---	PASS
2DH5	Ant1	2402	2.87	3.75	76.62	---	PASS
		2441	2.87	3.75	76.63	---	PASS
		2480	2.87	3.75	76.62	---	PASS
3DH5	Ant1	2402	2.88	3.75	76.69	---	PASS
		2441	2.88	3.75	76.66	---	PASS
		2480	2.88	3.75	76.66	---	PASS

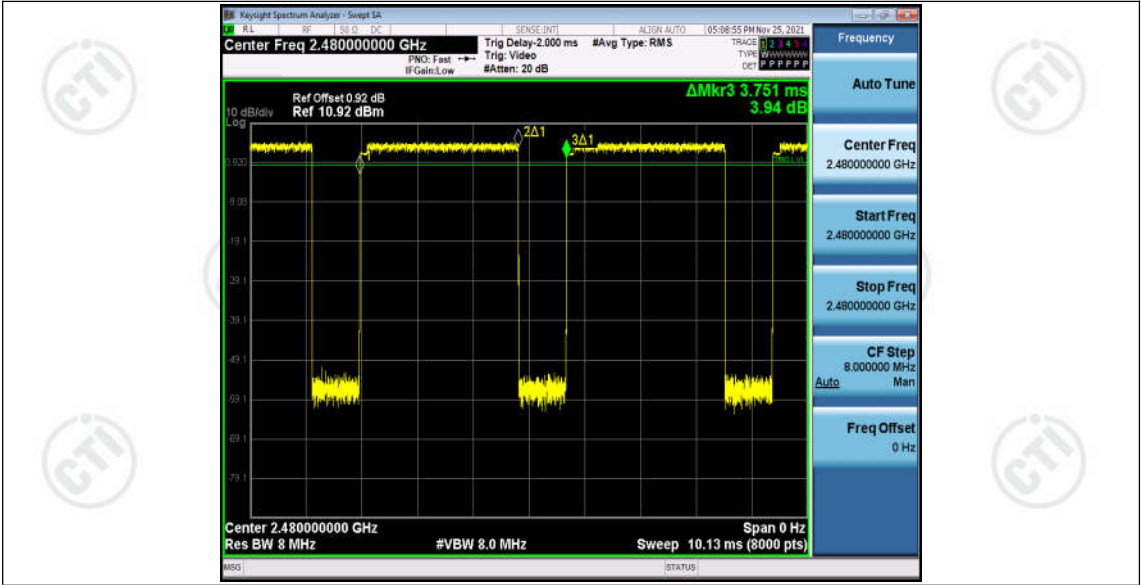
Test Graphs











*** End of Report ***