

Appendix: Bluetooth Classic

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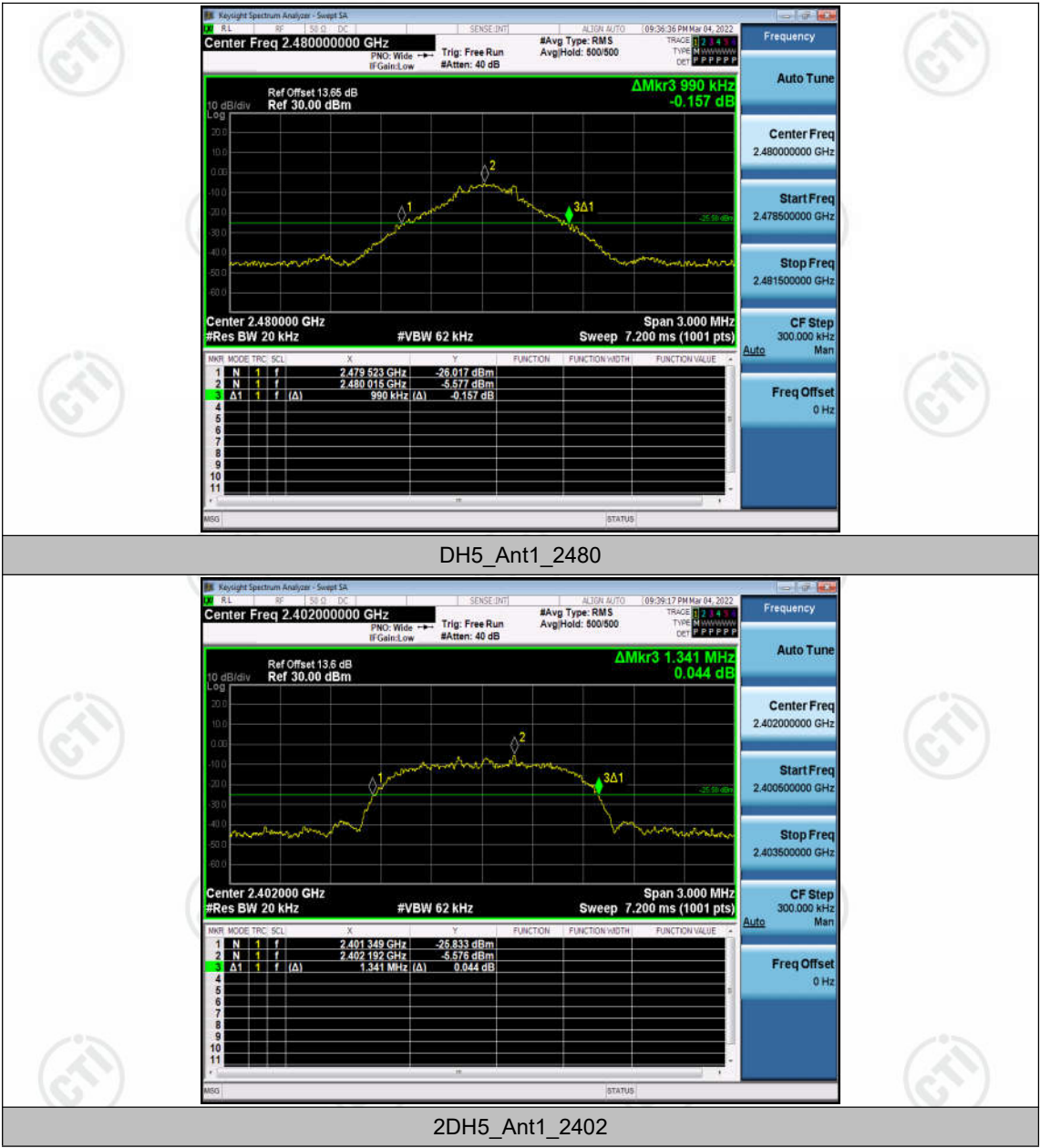
Appendix A: 20dBEmission Bandwidth

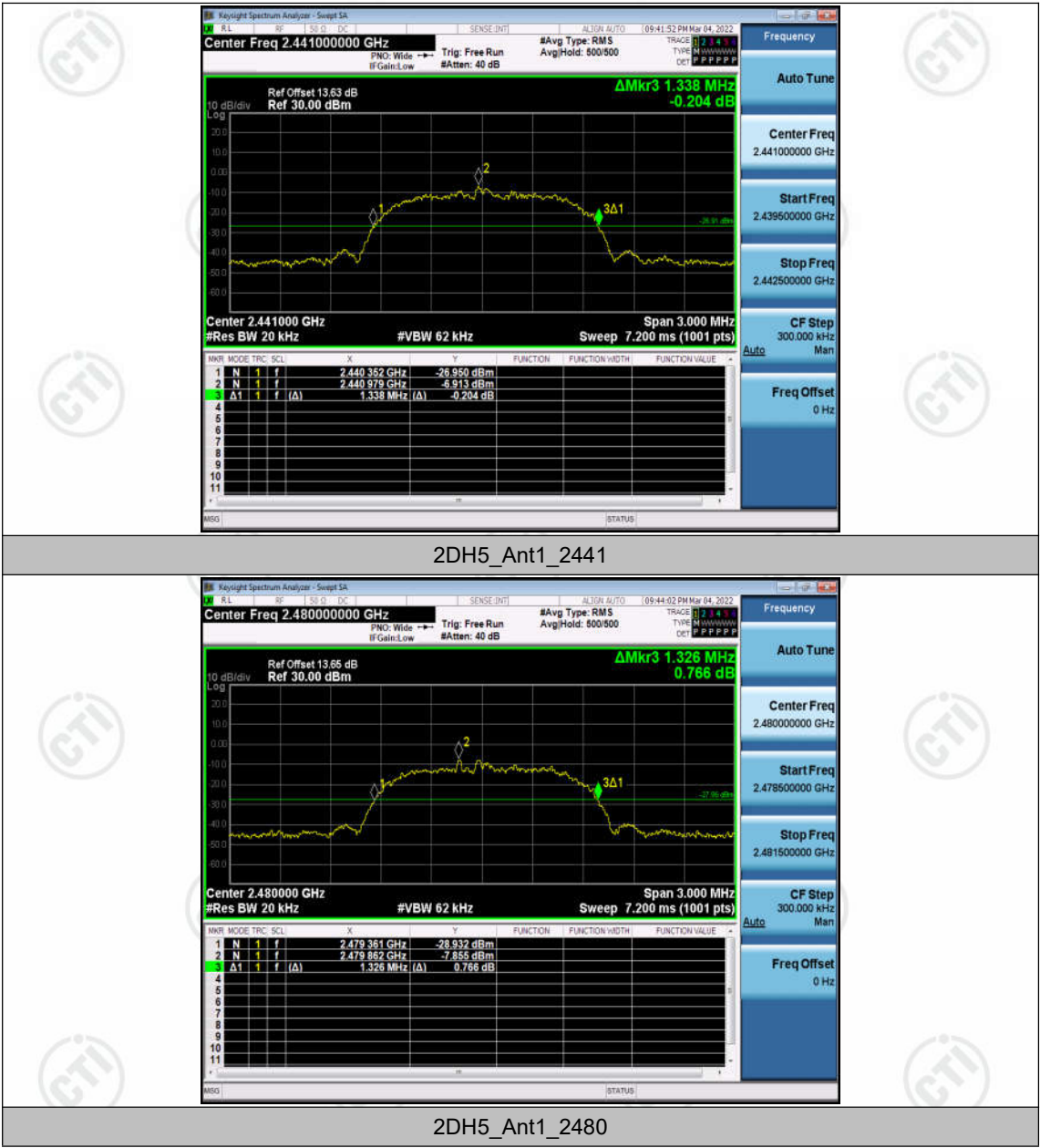
Test Result

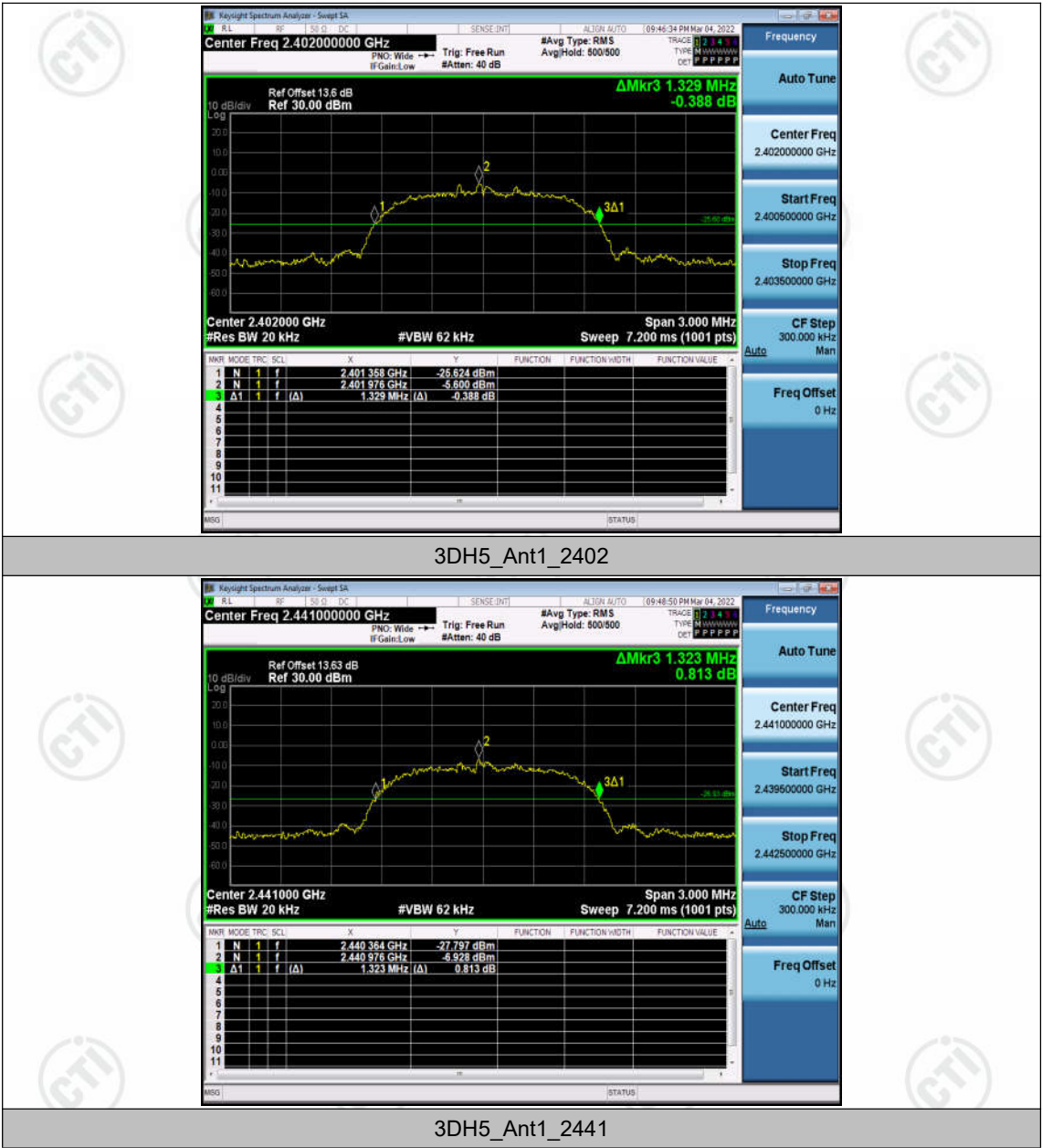
Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.969	2401.547	2402.516	---	PASS
		2441	0.960	2440.544	2441.504	---	PASS
		2480	0.990	2479.523	2480.513	---	PASS
2DH5	Ant1	2402	1.341	2401.349	2402.690	---	PASS
		2441	1.338	2440.352	2441.690	---	PASS
		2480	1.326	2479.361	2480.687	---	PASS
3DH5	Ant1	2402	1.329	2401.358	2402.687	---	PASS
		2441	1.323	2440.364	2441.687	---	PASS
		2480	1.323	2479.364	2480.687	---	PASS

Test Graphs











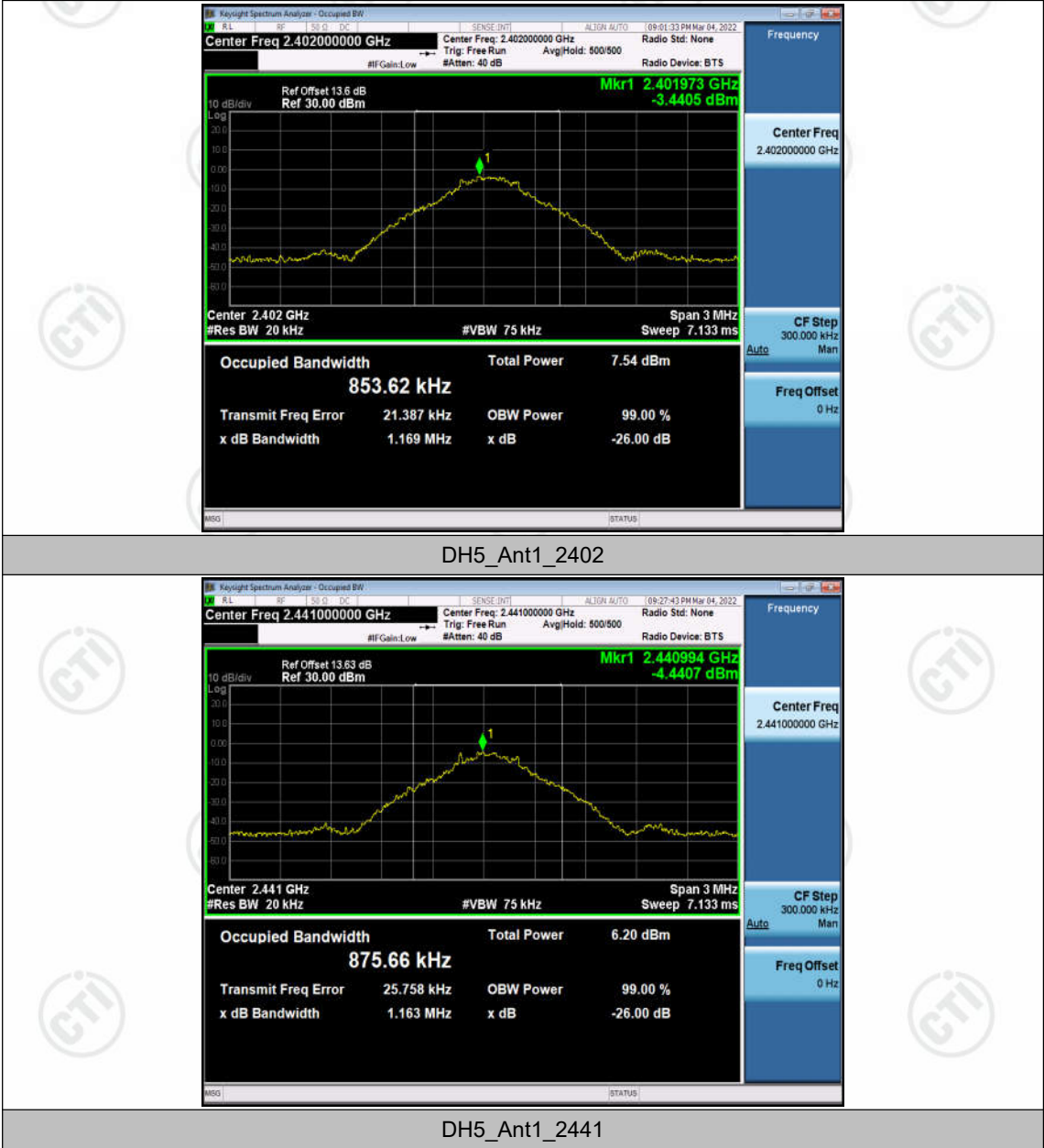
3DH5_Ant1_2480

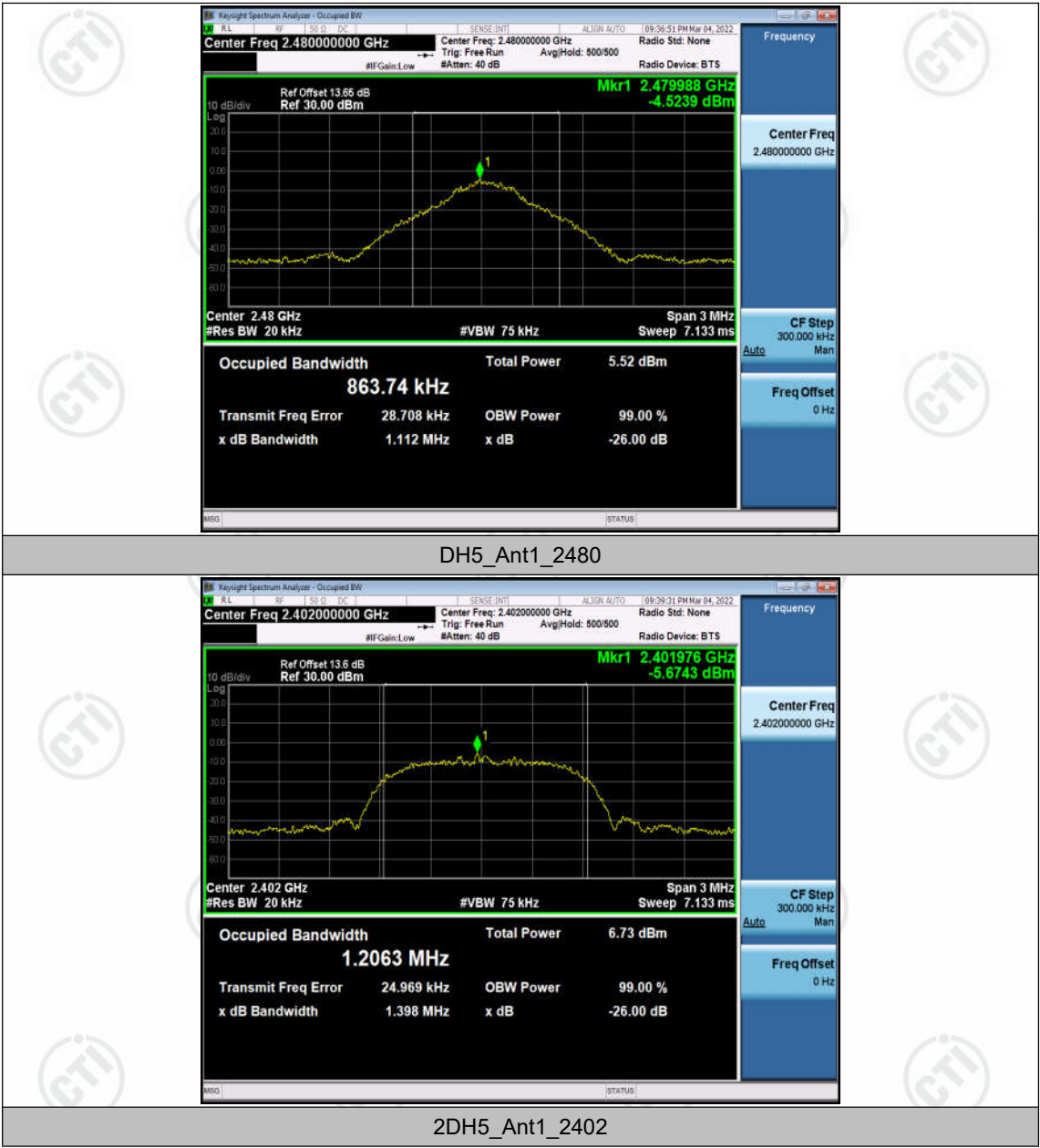
Appendix B: Occupied Channel Bandwidth

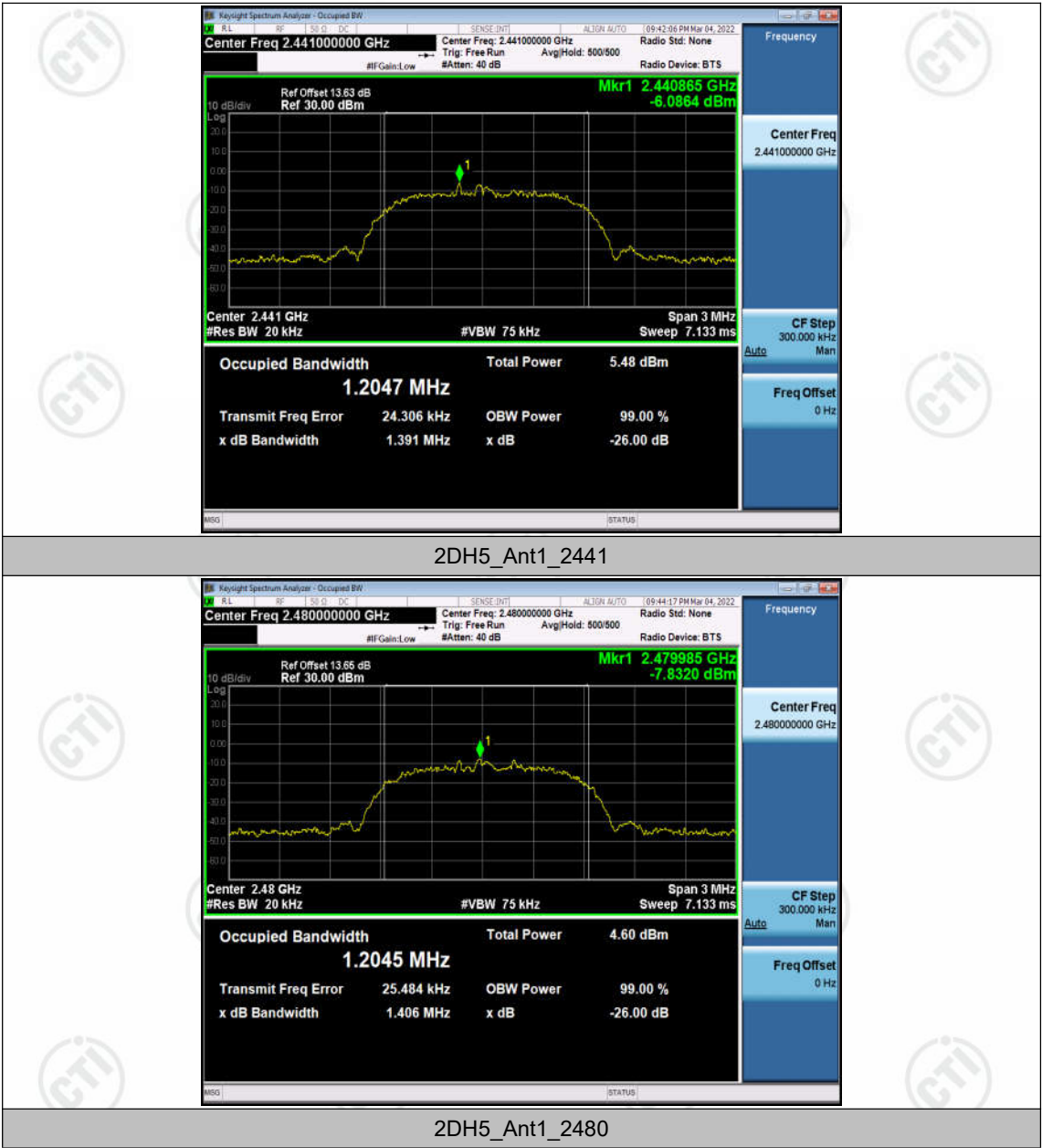
Test Result

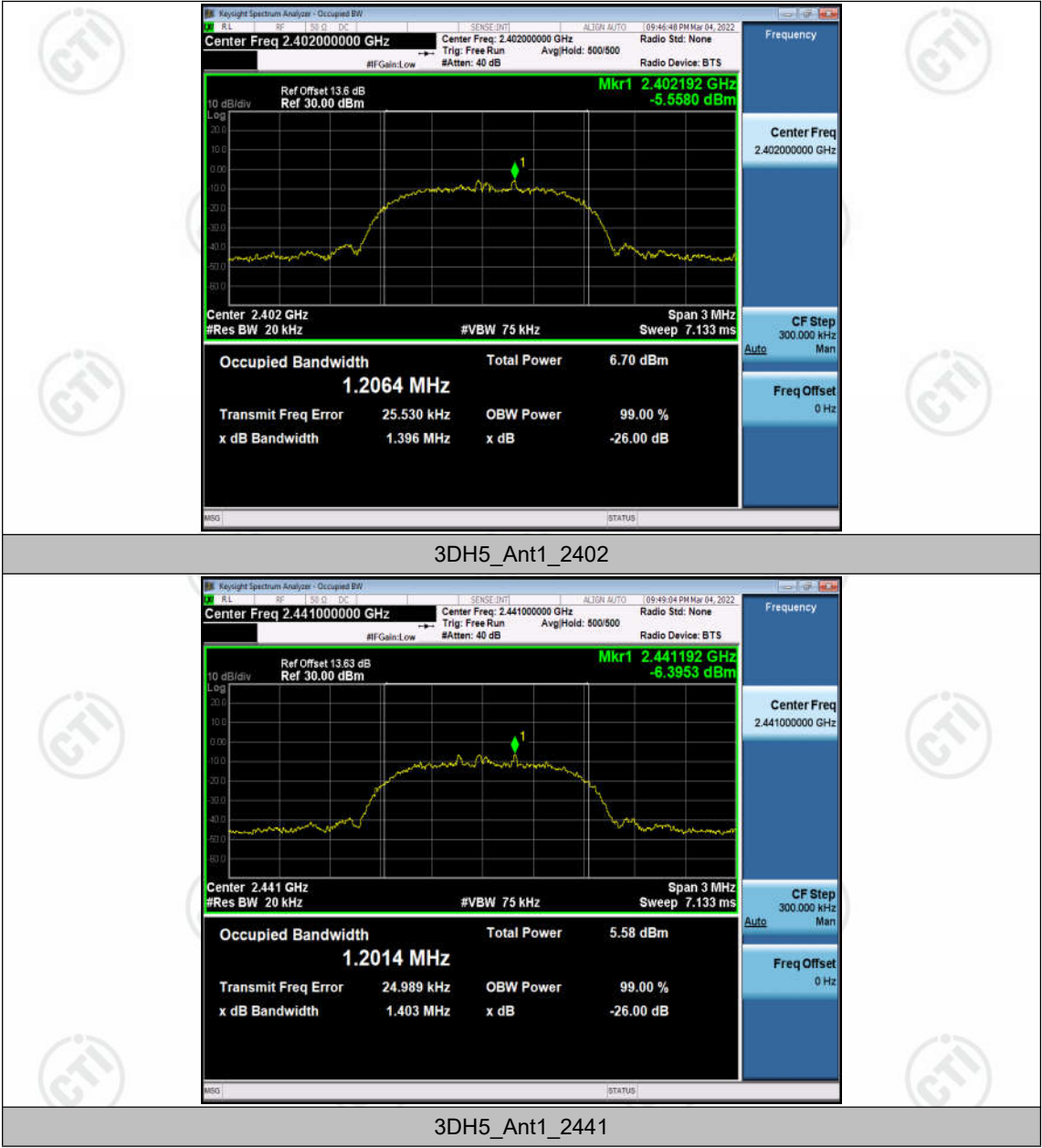
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85362	2401.595	2402.448	---	PASS
		2441	0.87566	2440.588	2441.464	---	PASS
		2480	0.86374	2479.597	2480.461	---	PASS
2DH5	Ant1	2402	1.2063	2401.422	2402.628	---	PASS
		2441	1.2047	2440.422	2441.627	---	PASS
		2480	1.2045	2479.423	2480.628	---	PASS
3DH5	Ant1	2402	1.2064	2401.422	2402.629	---	PASS
		2441	1.2014	2440.424	2441.626	---	PASS
		2480	1.2027	2479.424	2480.627	---	PASS

Test Graphs











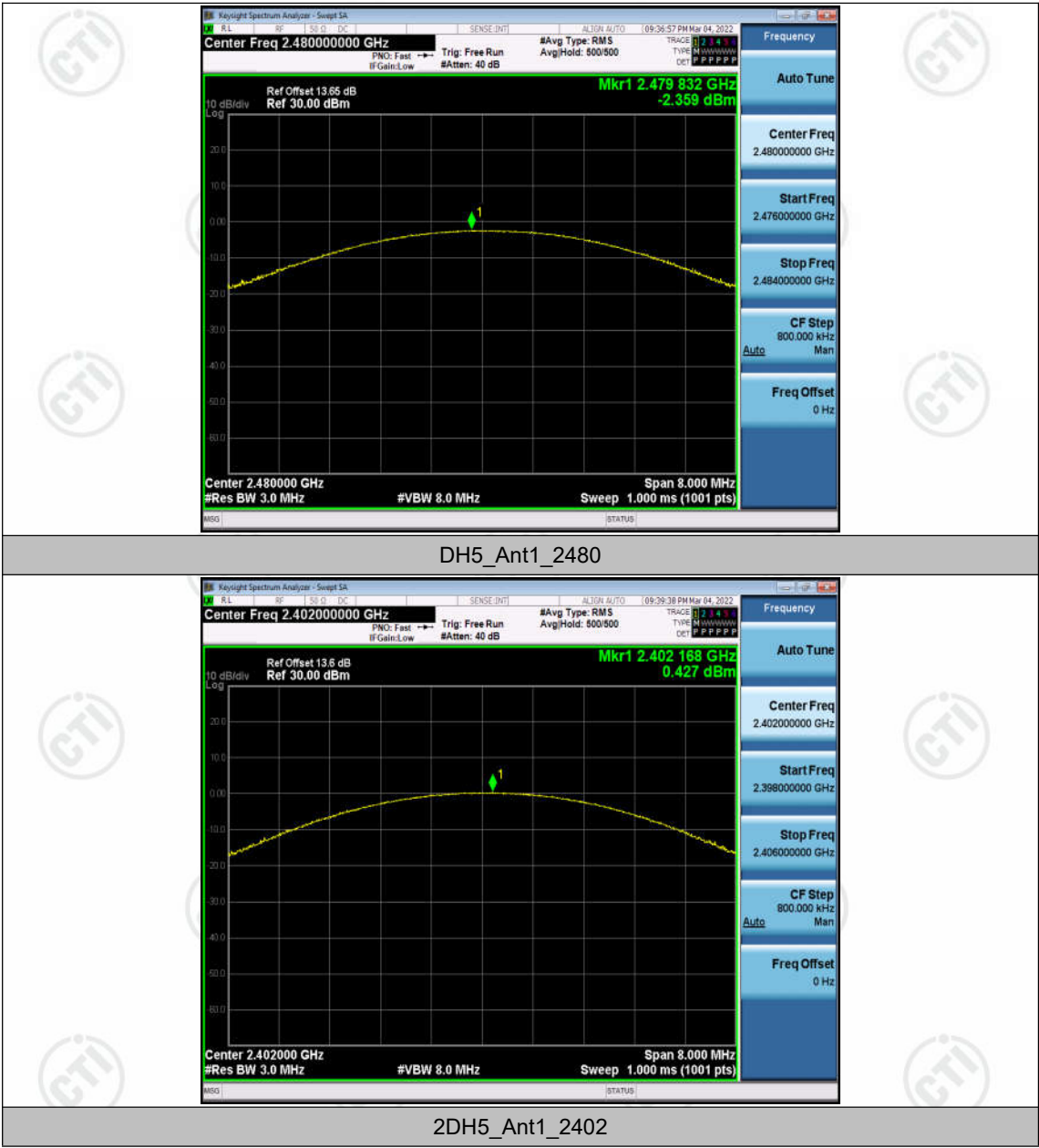
Appendix C: Maximum conducted output power

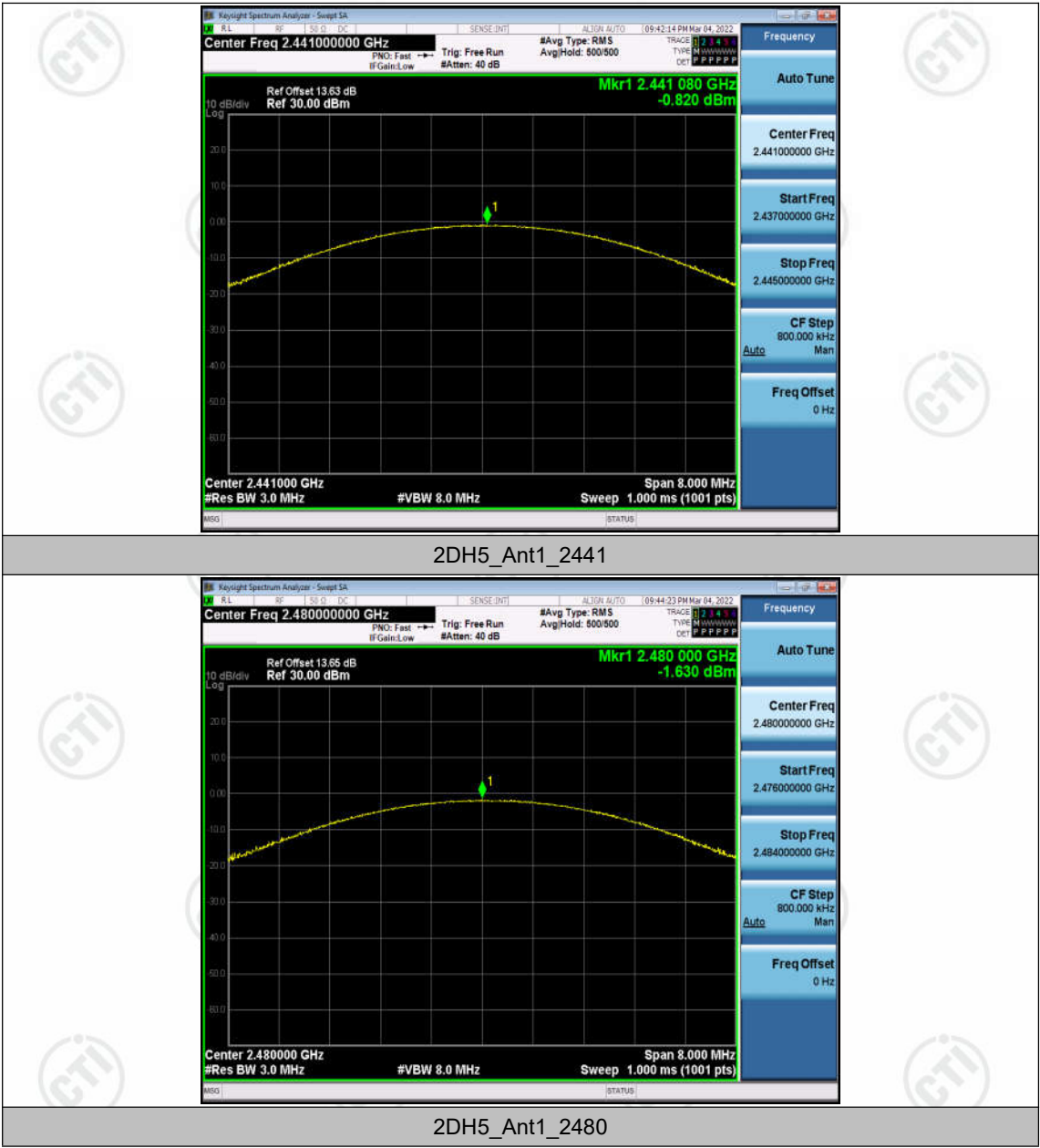
Test Result

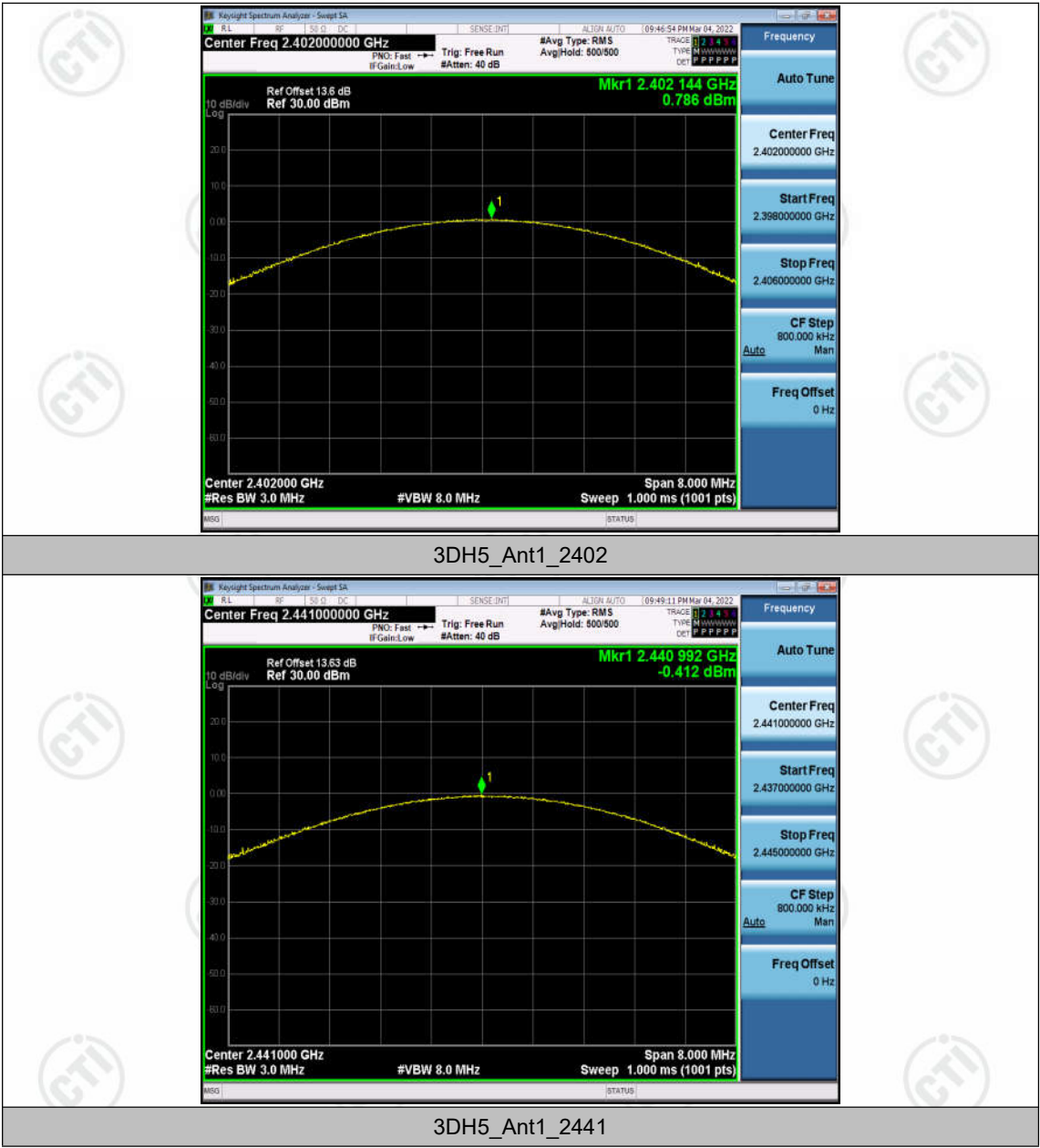
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.35	<=20.97	PASS
		2441	-1.53	<=20.97	PASS
		2480	-2.36	<=20.97	PASS
2DH5	Ant1	2402	0.43	<=20.97	PASS
		2441	-0.82	<=20.97	PASS
		2480	-1.63	<=20.97	PASS
3DH5	Ant1	2402	0.79	<=20.97	PASS
		2441	-0.41	<=20.97	PASS
		2480	-1.17	<=20.97	PASS

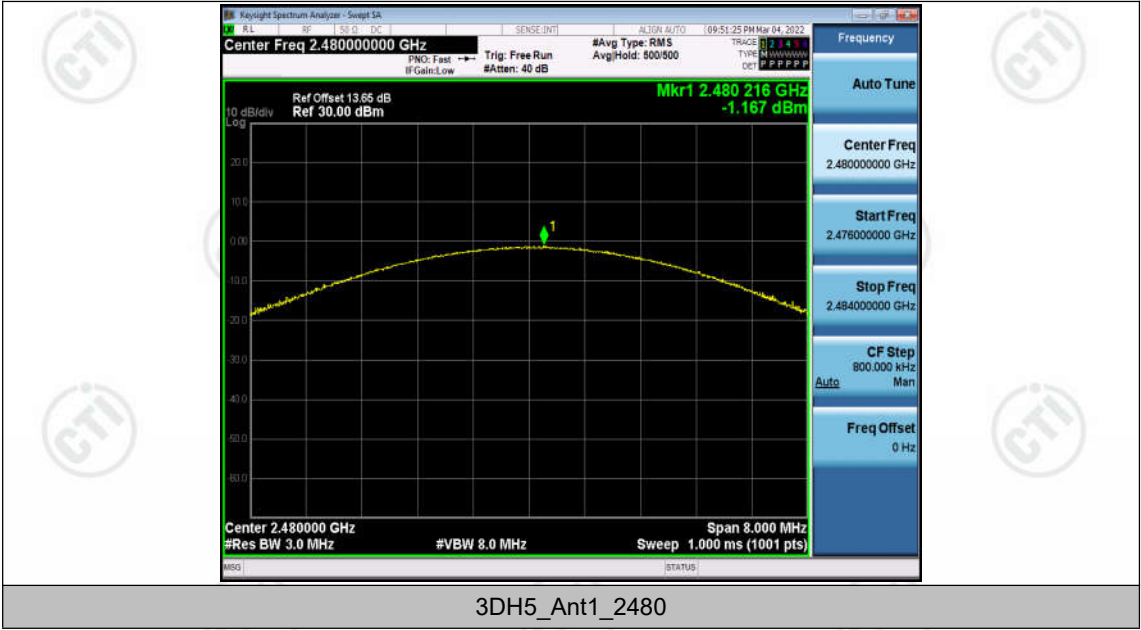
Test Graphs









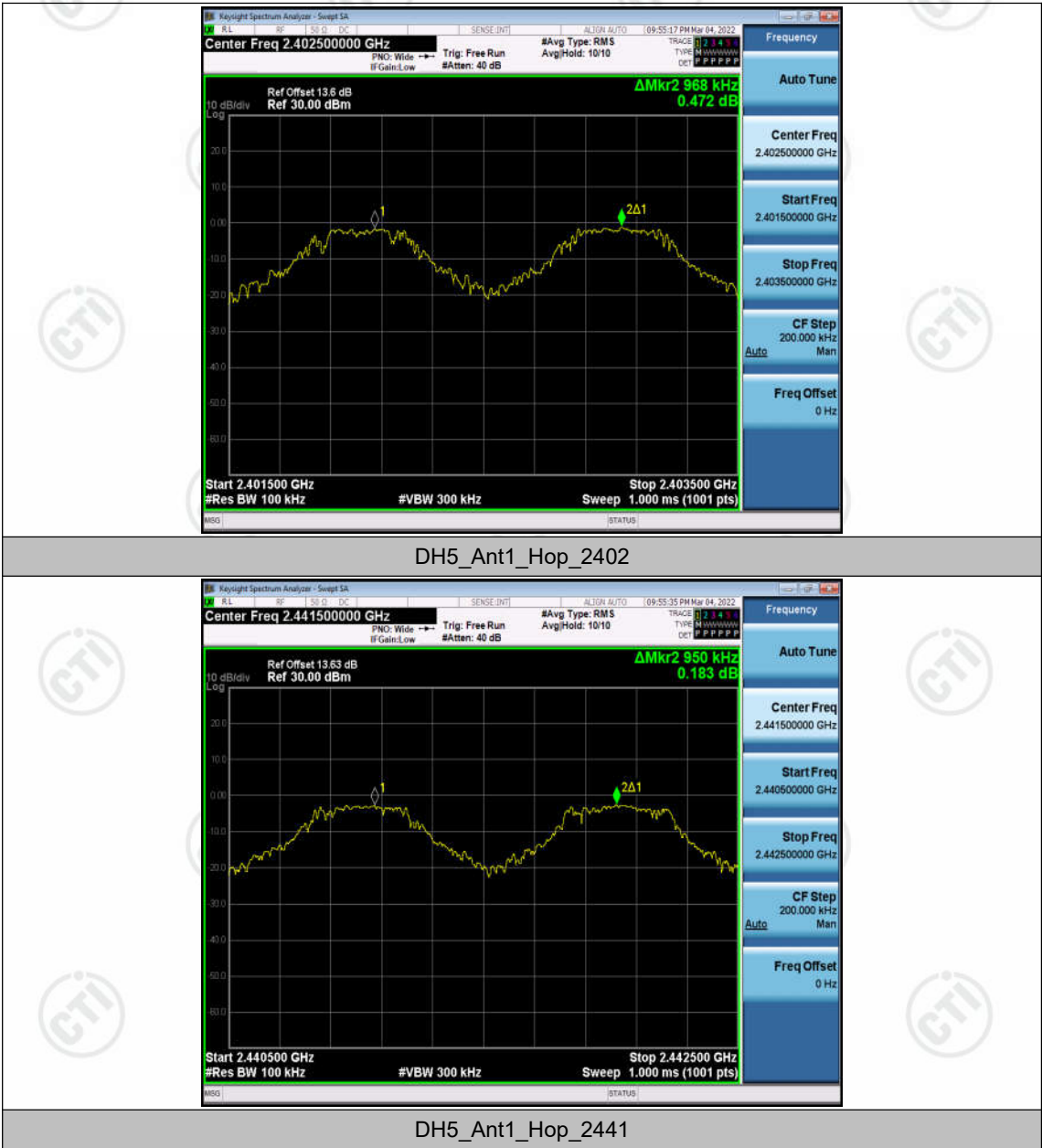


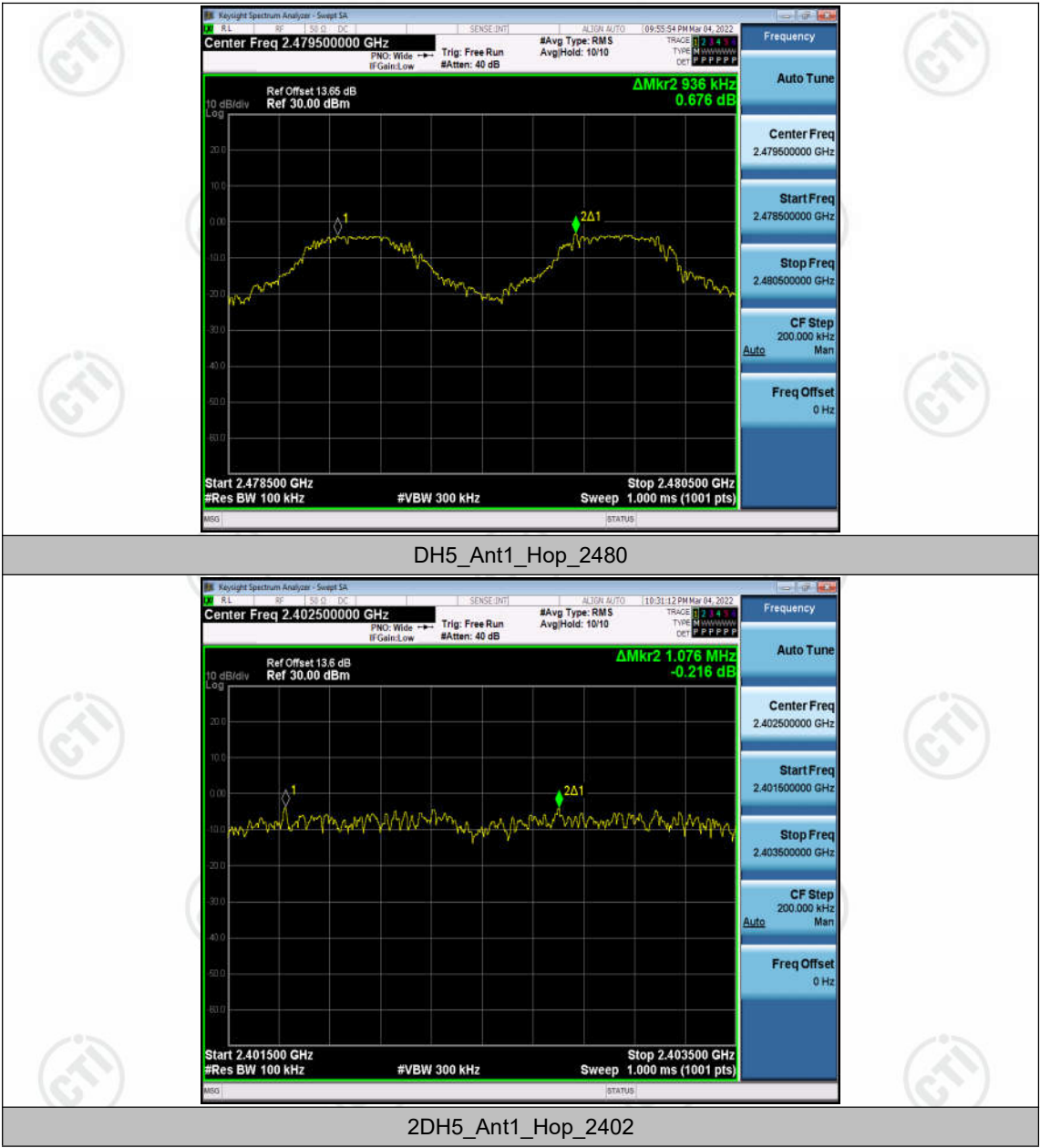
Appendix D: Carrier frequency separation

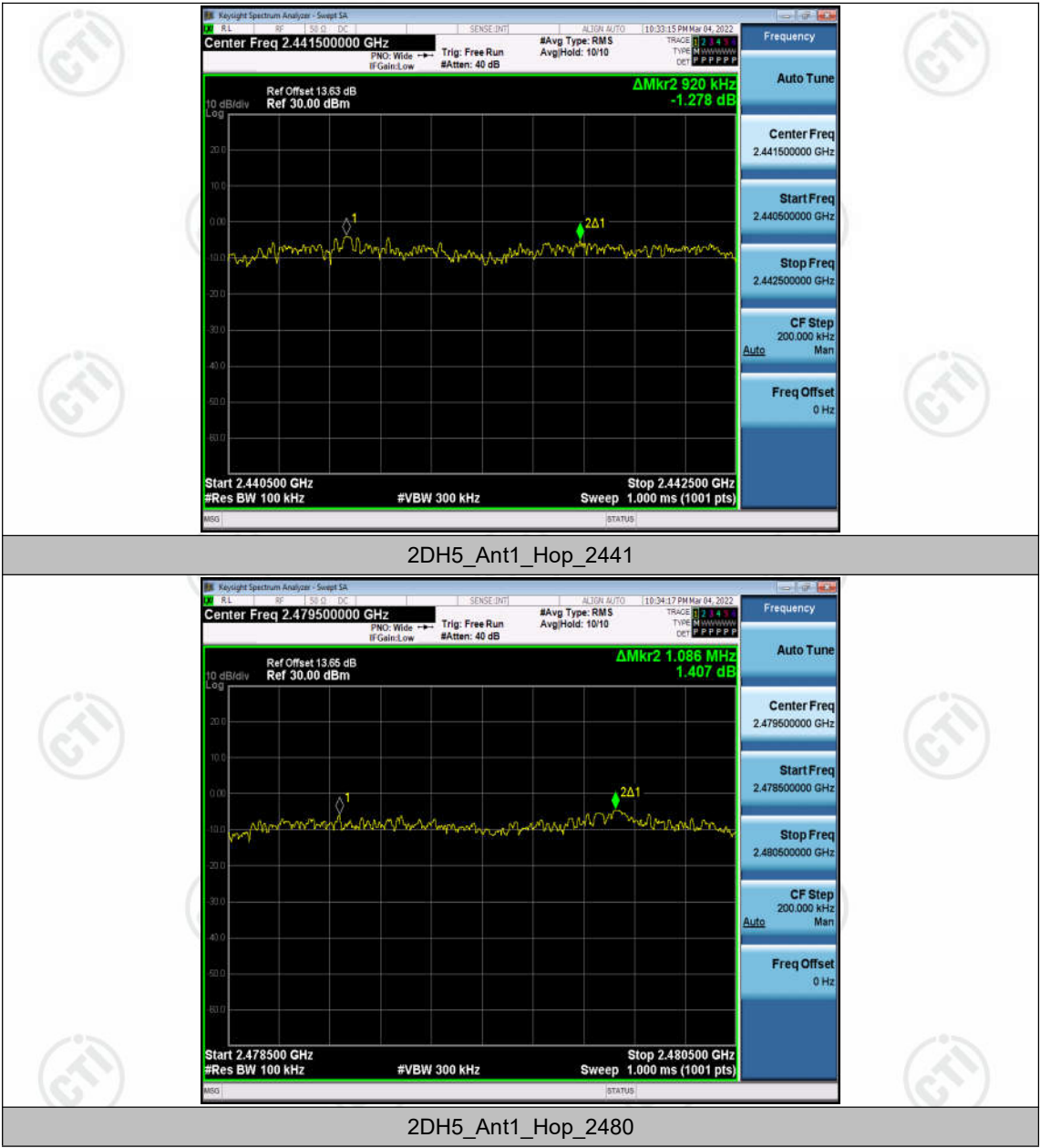
Test Result

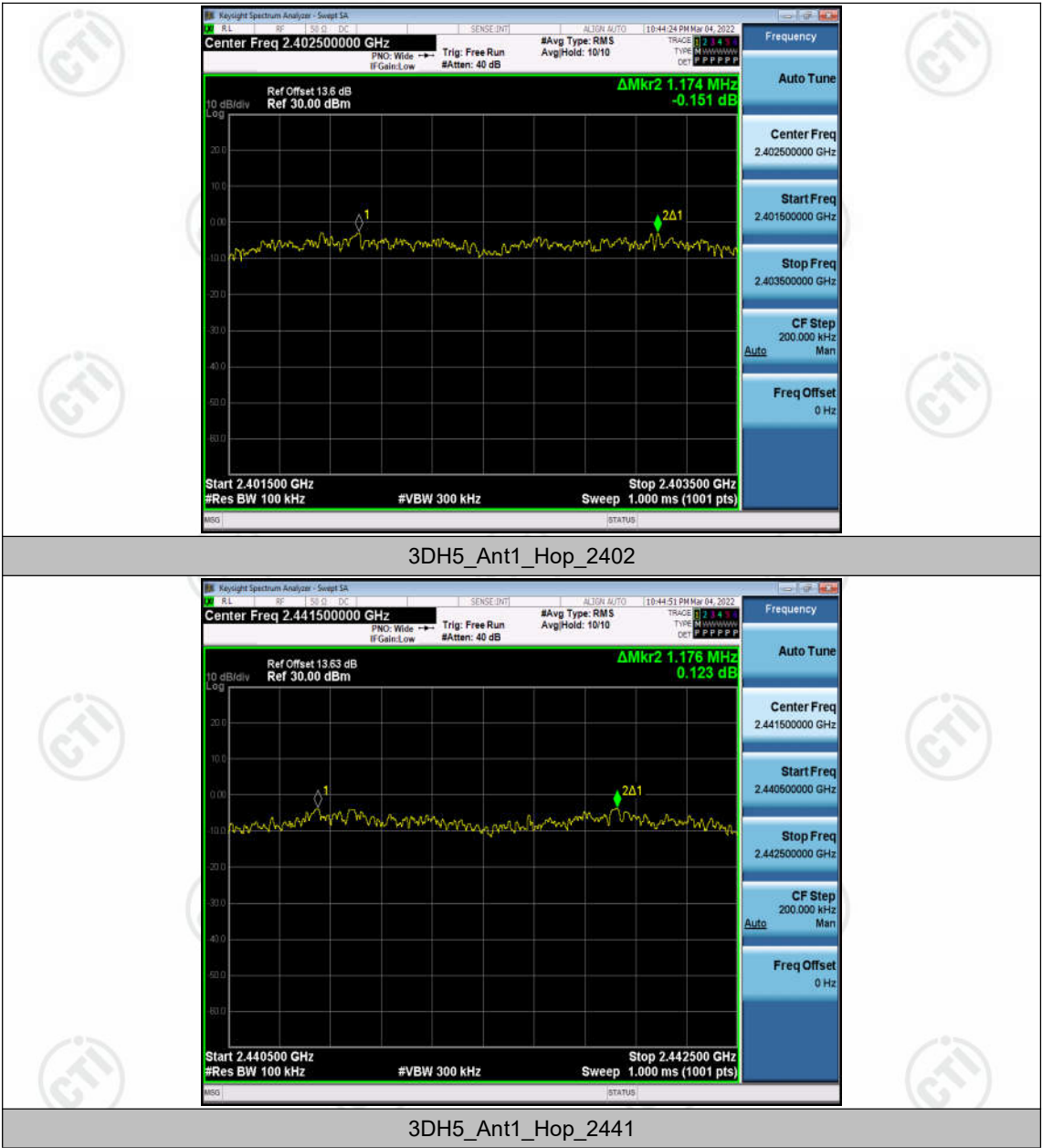
Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop_2402	0.968	≥ 0.660	PASS
		Hop_2441	0.95	≥ 0.660	PASS
		Hop_2480	0.936	≥ 0.660	PASS
2DH5	Ant1	Hop_2402	1.076	≥ 0.894	PASS
		Hop_2441	0.92	≥ 0.894	PASS
		Hop_2480	1.086	≥ 0.894	PASS
3DH5	Ant1	Hop_2402	1.174	≥ 0.886	PASS
		Hop_2441	1.176	≥ 0.886	PASS
		Hop_2480	1.106	≥ 0.886	PASS

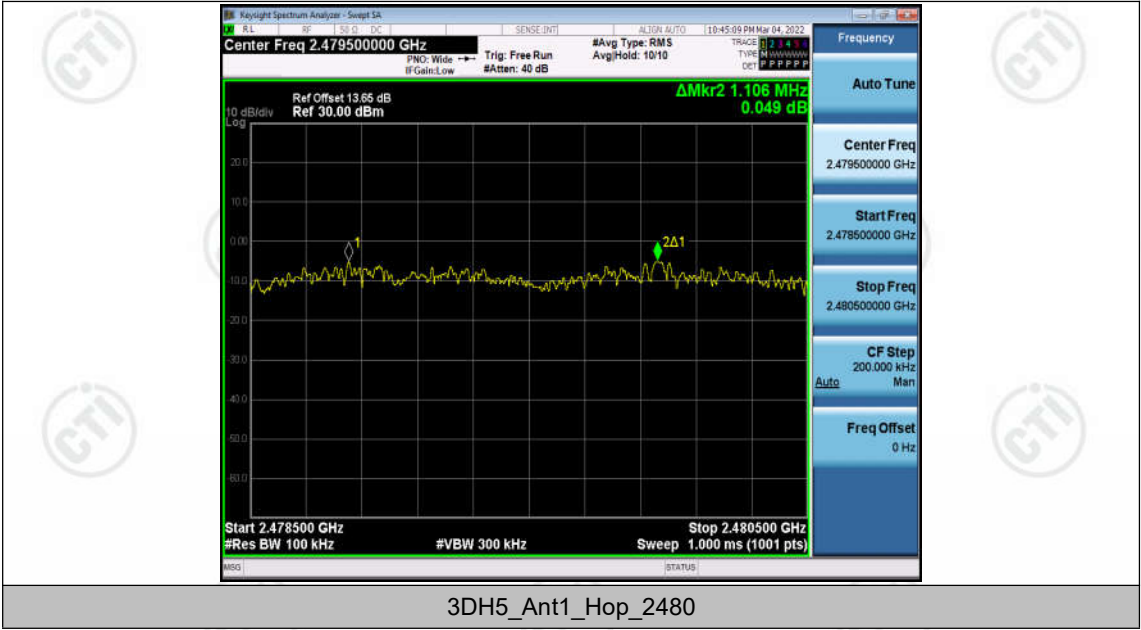
Test Graphs









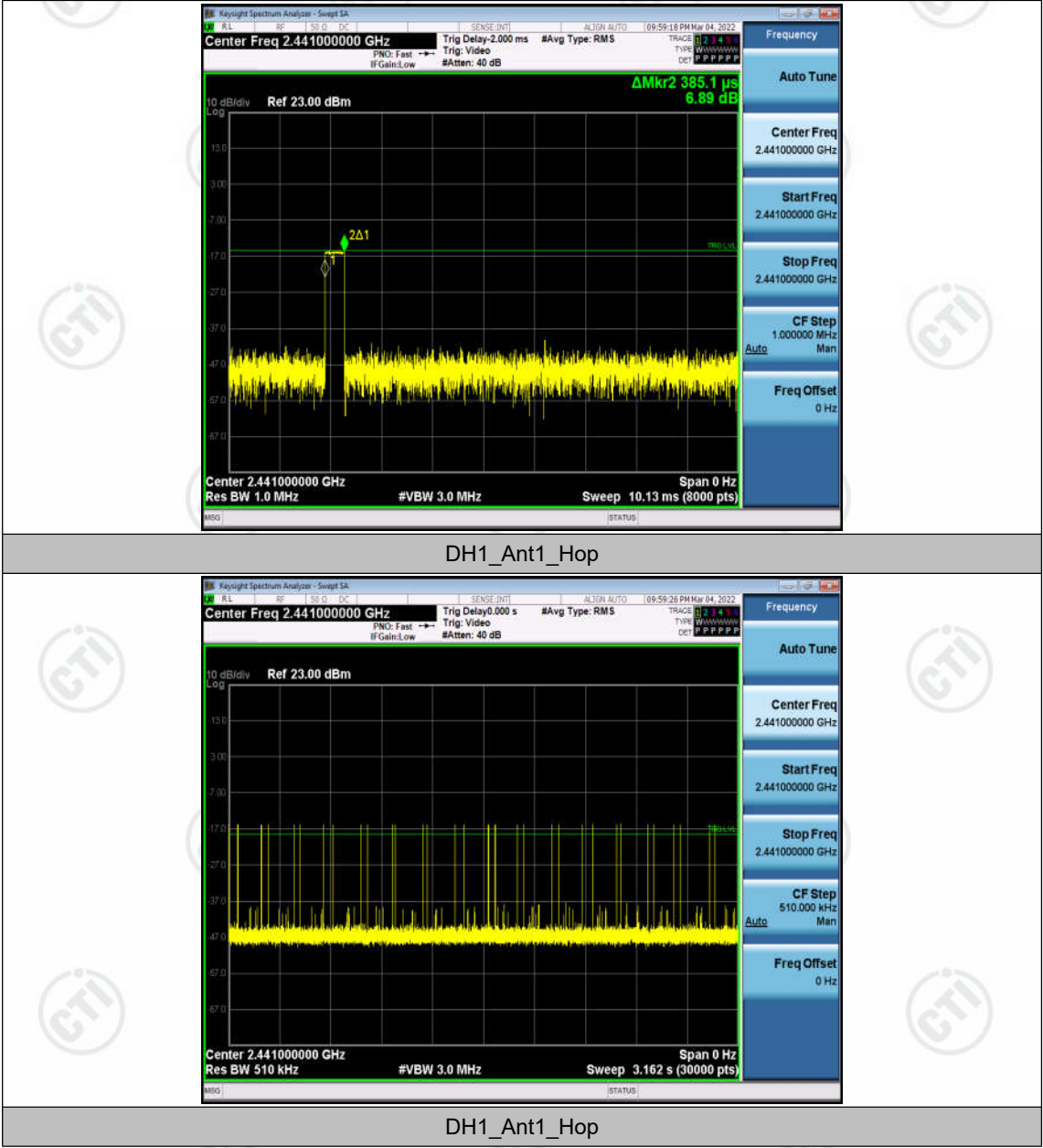


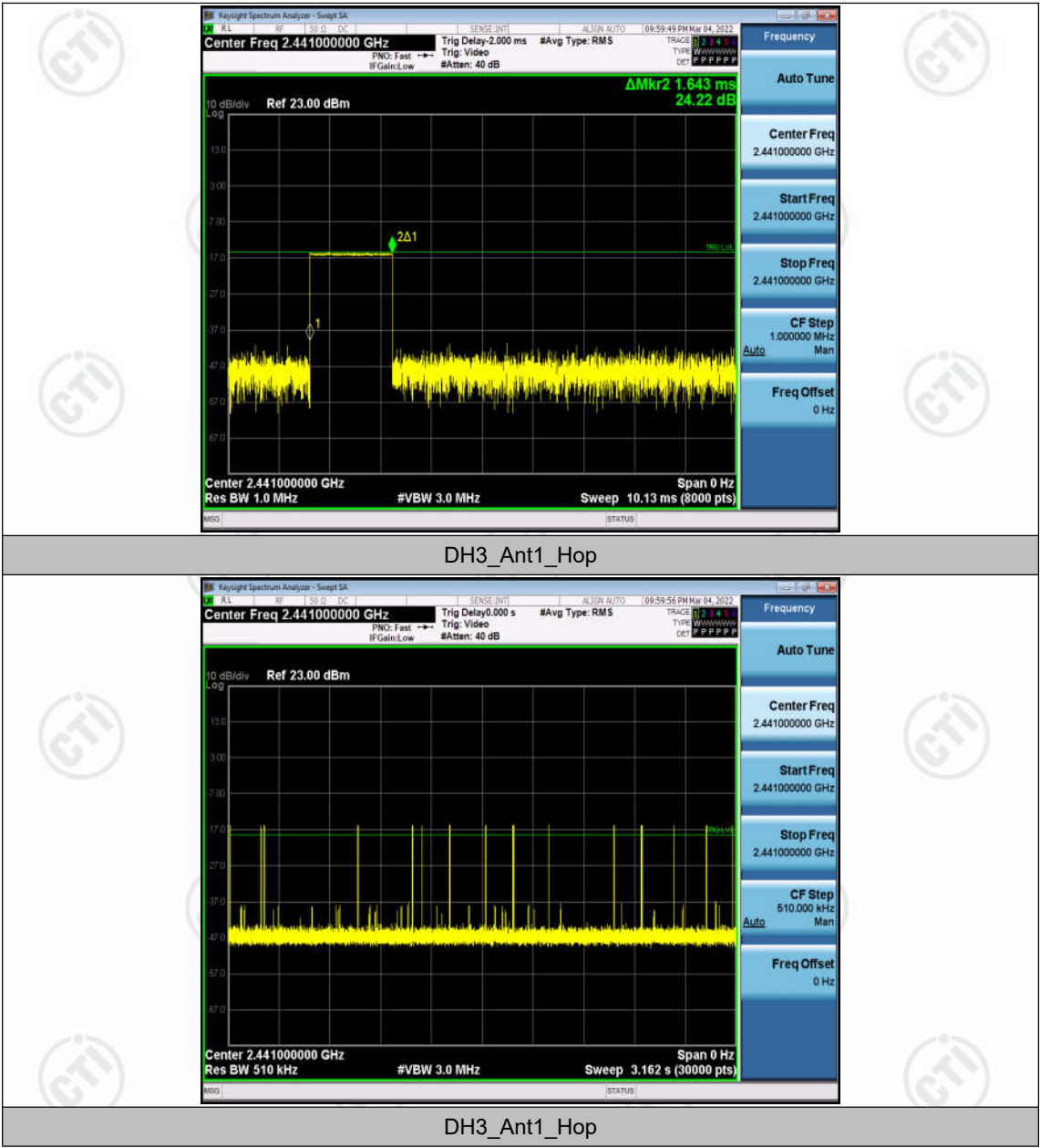
Appendix E: Time of occupancy

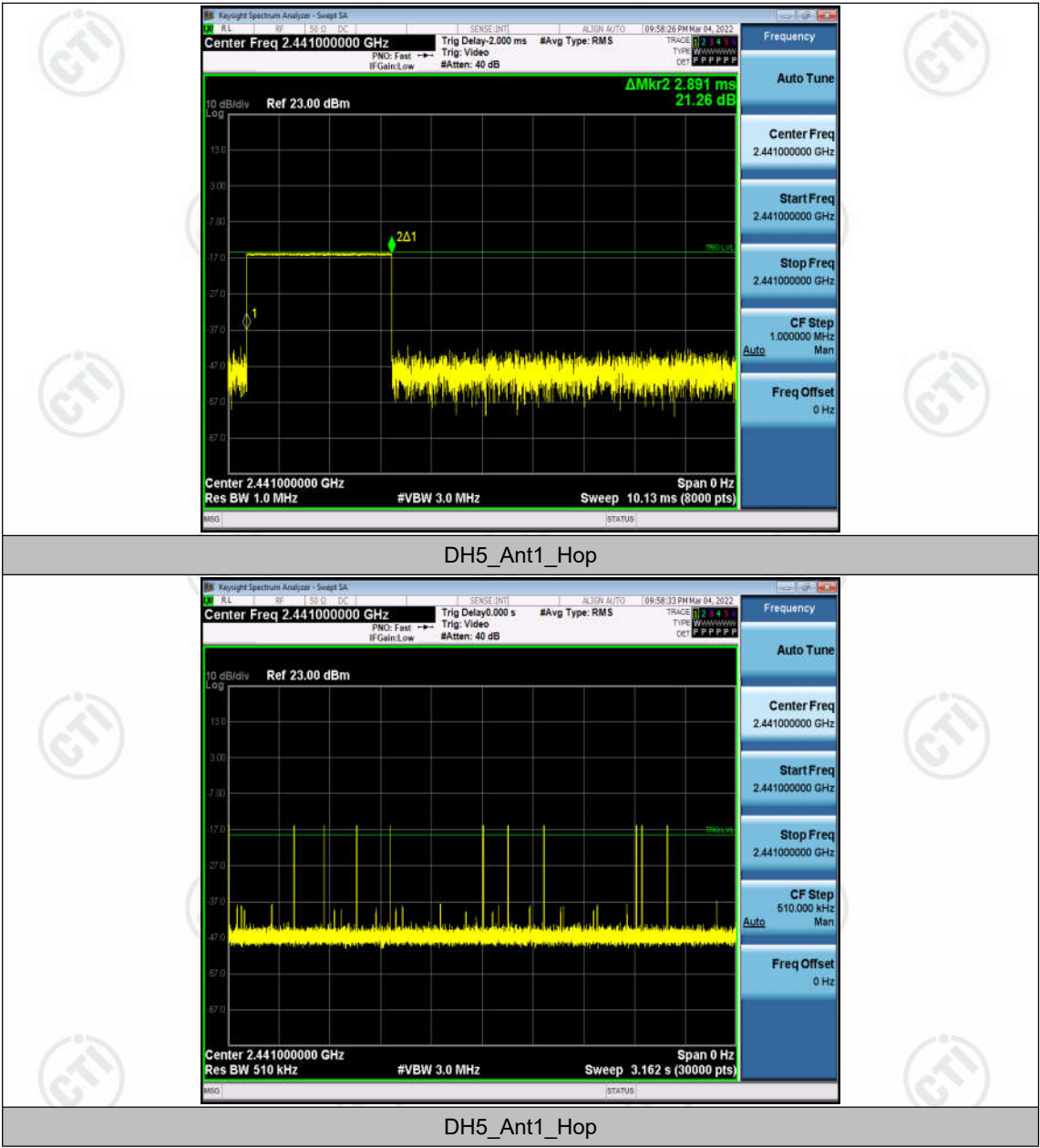
Test Result

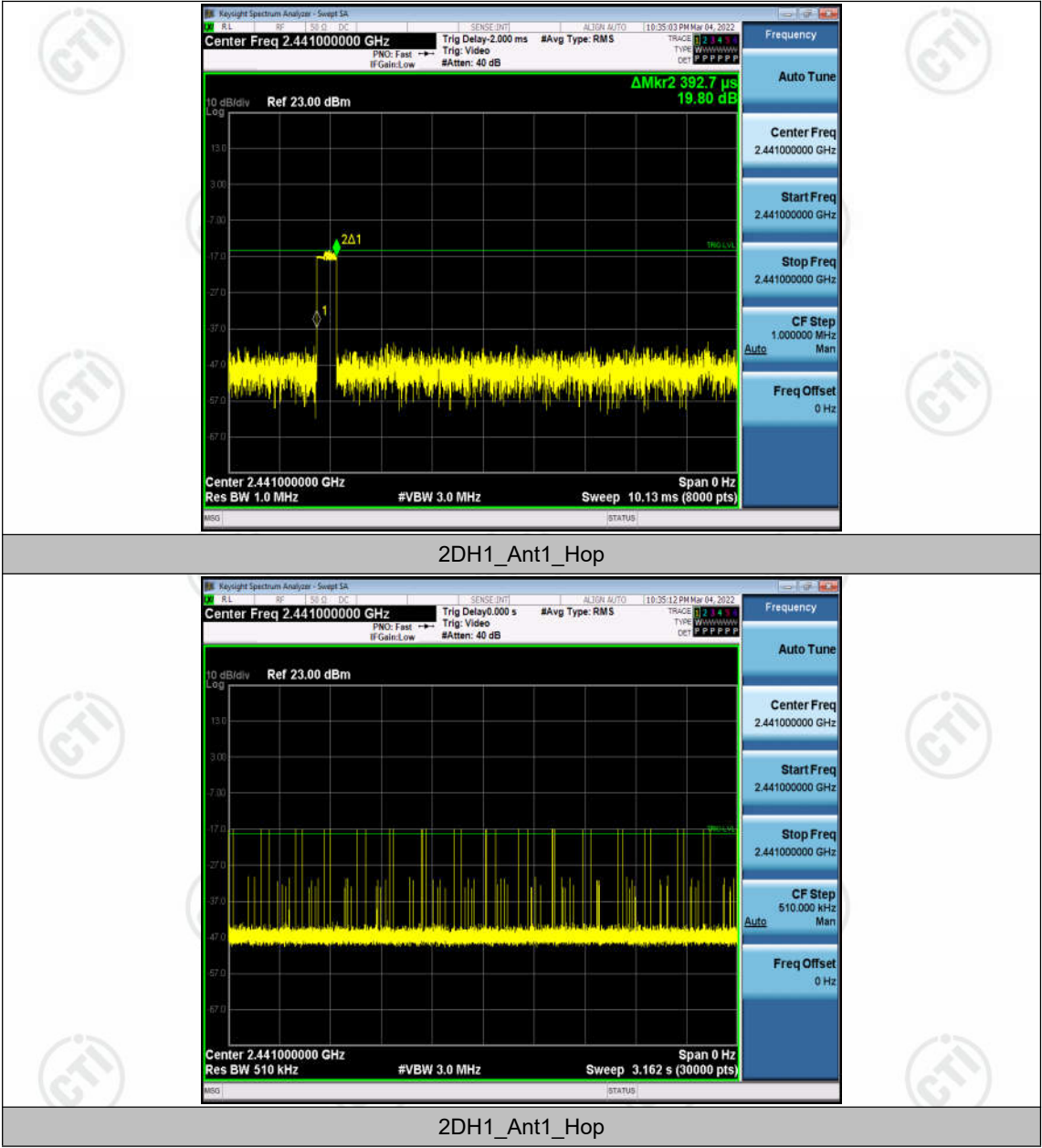
Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.39	320	0.123	<=0.4	PASS
DH3	Ant1	Hop	1.64	180	0.296	<=0.4	PASS
DH5	Ant1	Hop	2.89	110	0.318	<=0.4	PASS
2DH1	Ant1	Hop	0.39	330	0.13	<=0.4	PASS
2DH3	Ant1	Hop	1.64	170	0.28	<=0.4	PASS
2DH5	Ant1	Hop	2.89	120	0.347	<=0.4	PASS
3DH1	Ant1	Hop	0.39	330	0.129	<=0.4	PASS
3DH3	Ant1	Hop	1.64	140	0.23	<=0.4	PASS
3DH5	Ant1	Hop	2.89	70	0.203	<=0.4	PASS

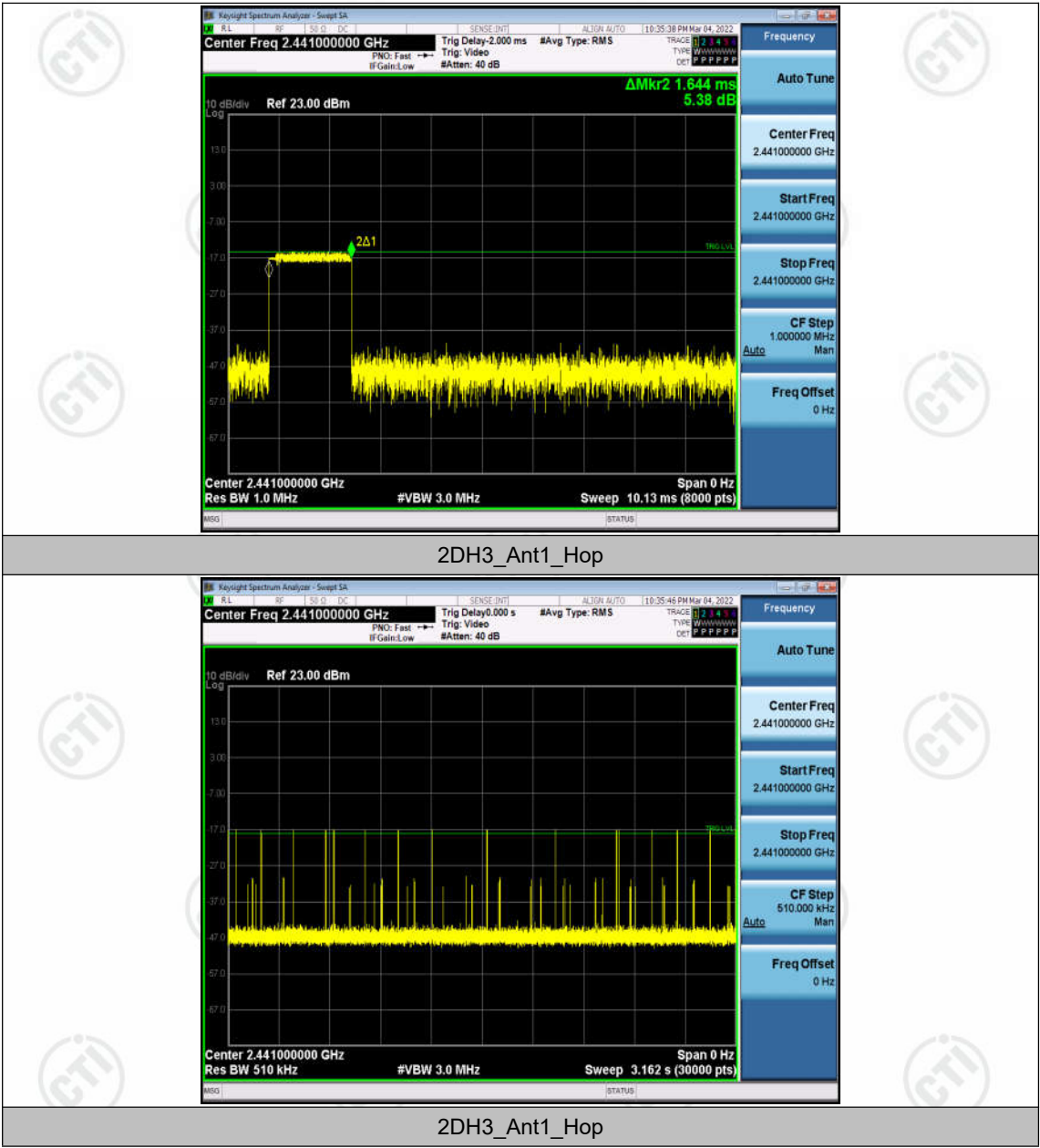
Test Graphs

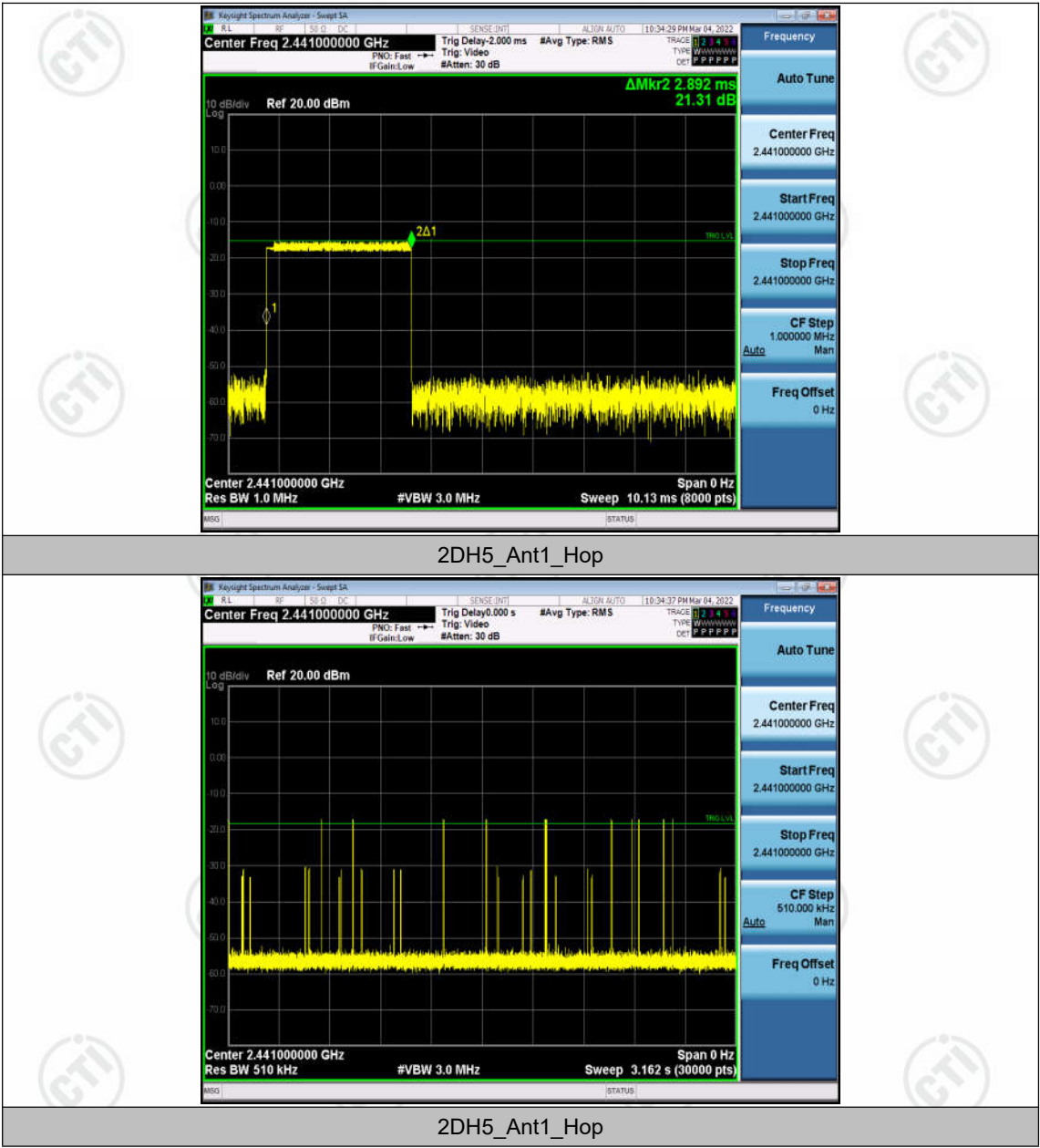


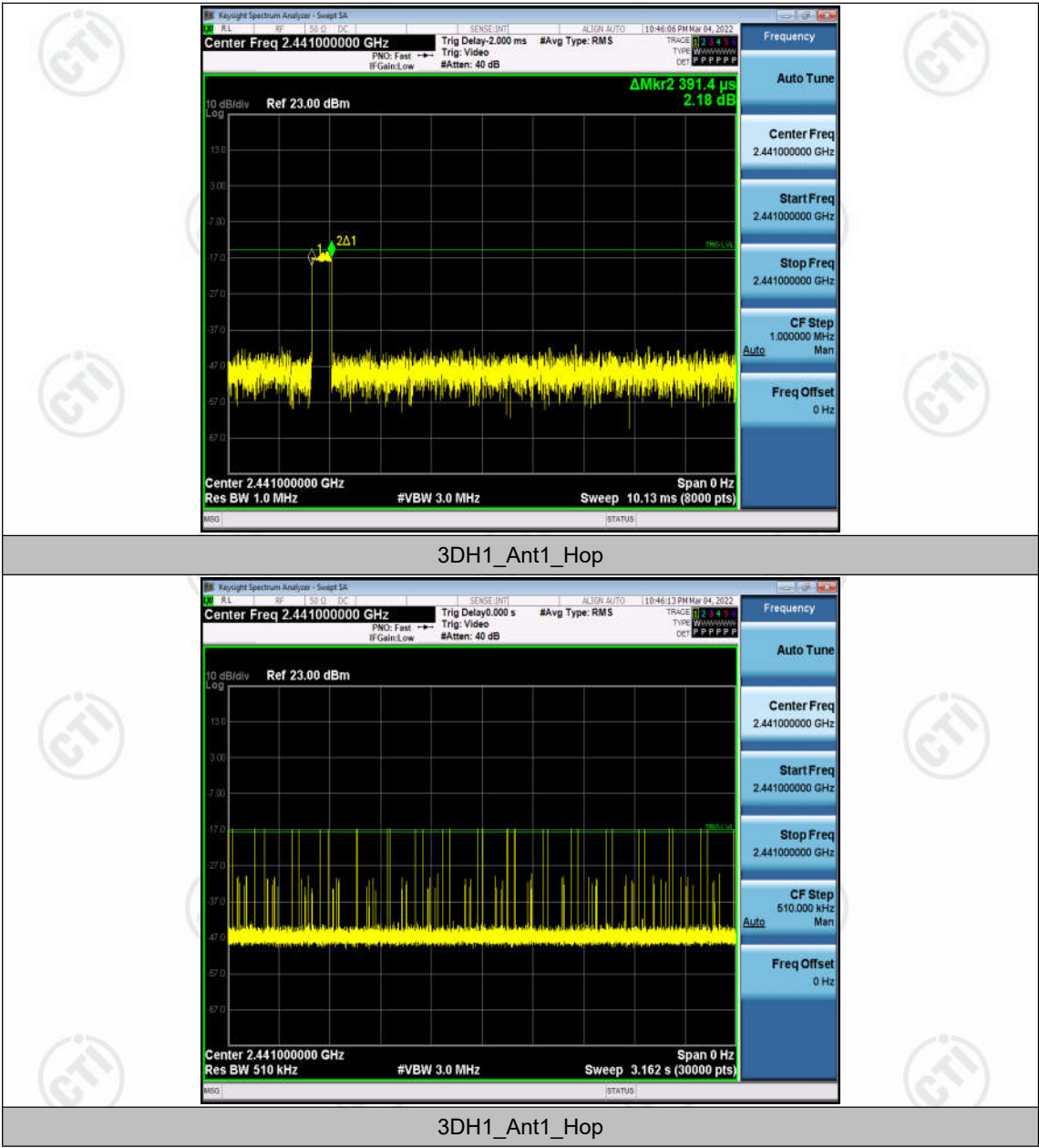


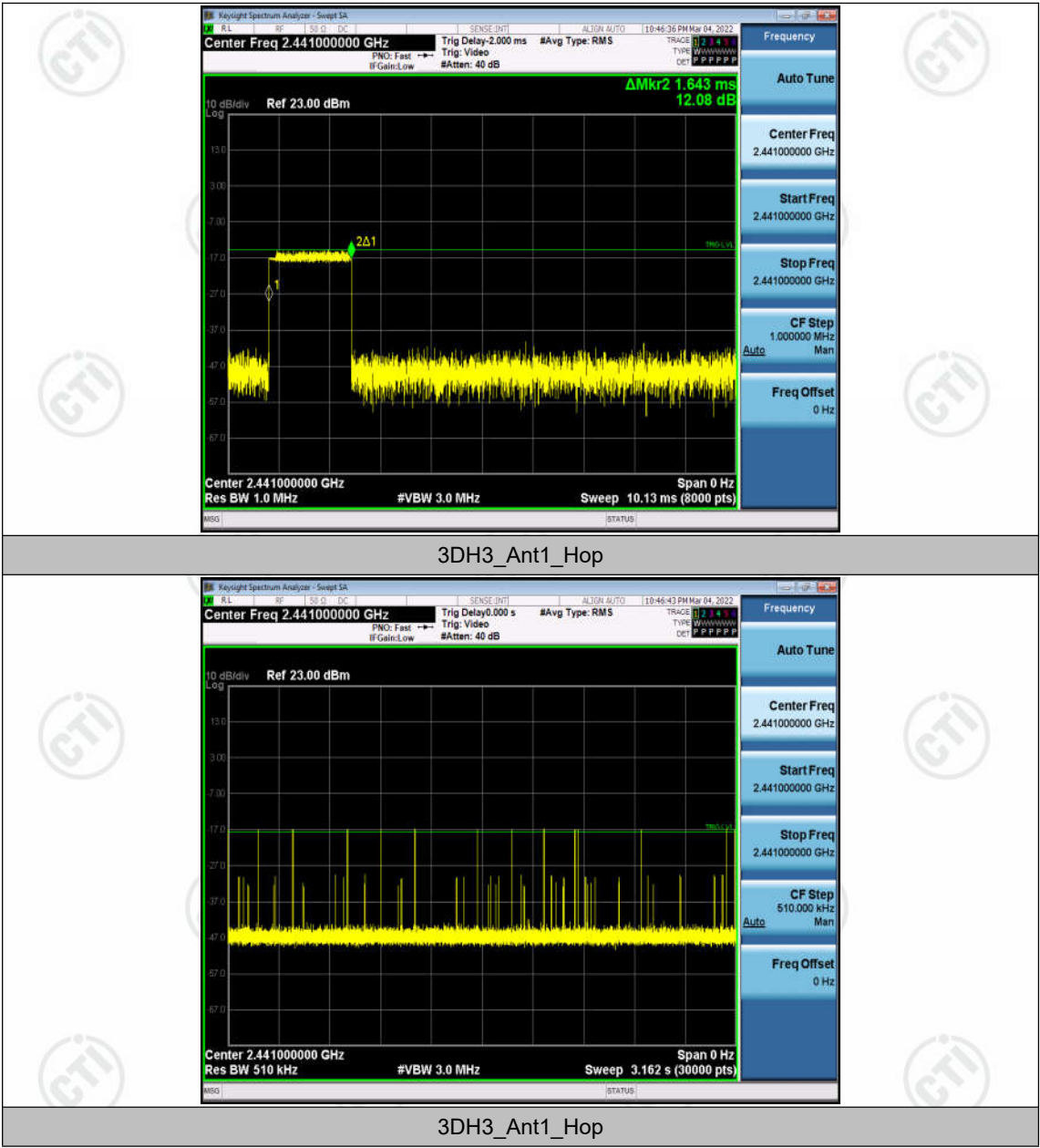


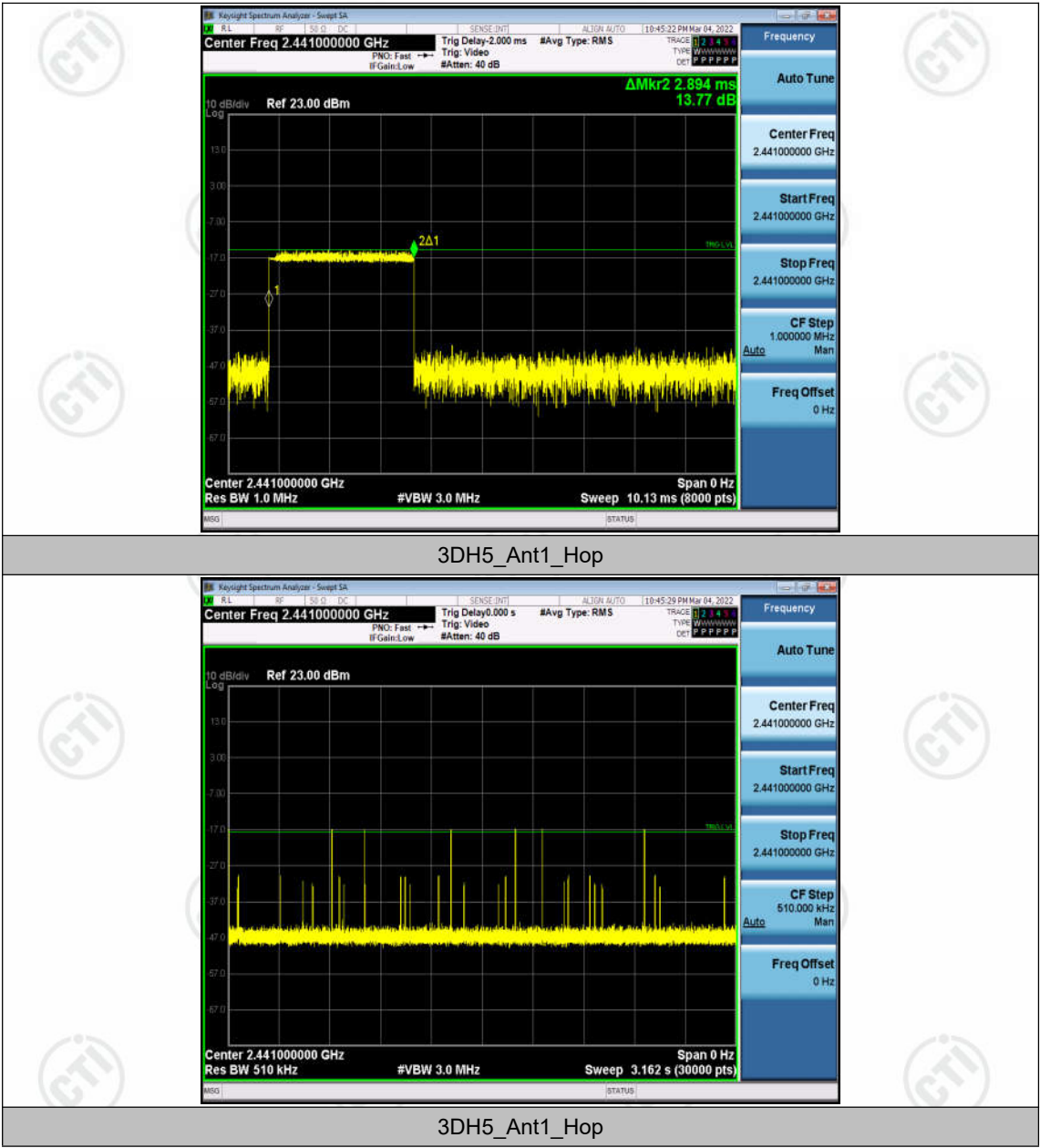










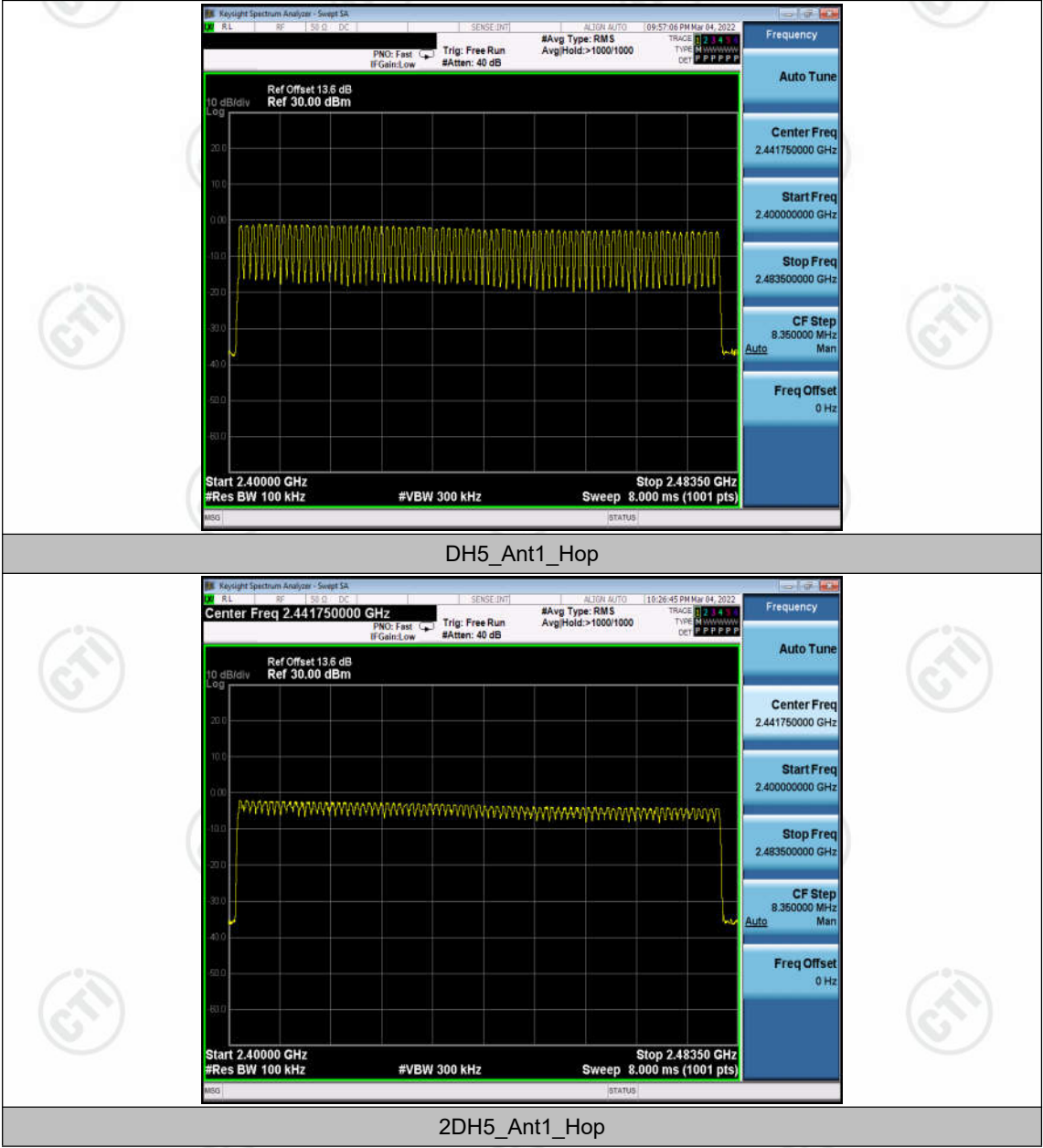


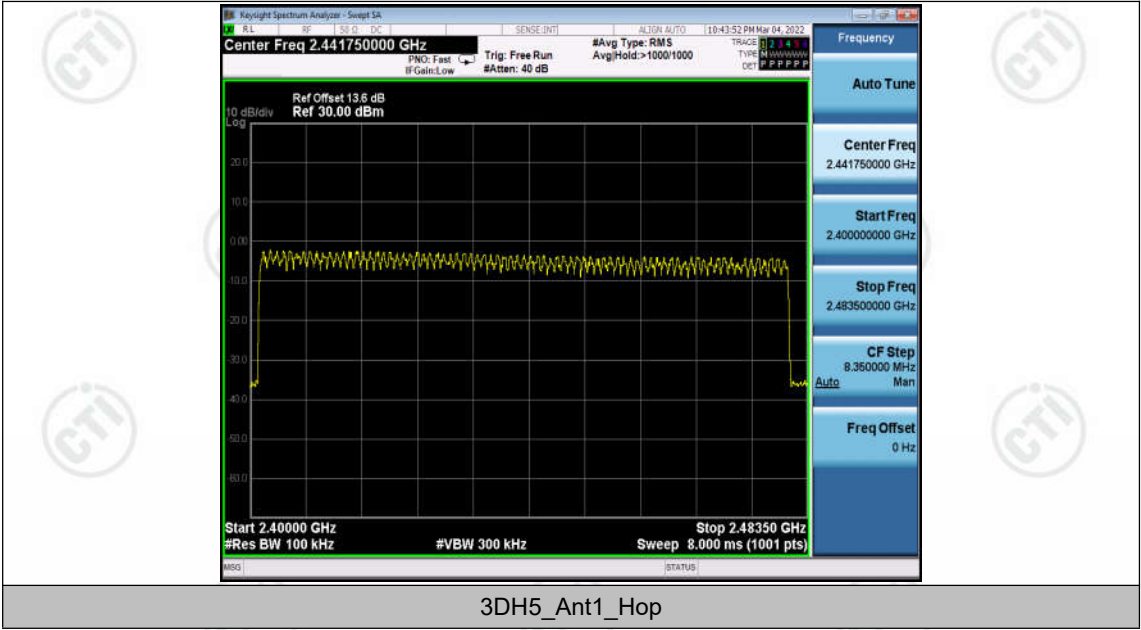
Appendix F: Number of hopping channels

Test Result

Test Mode	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



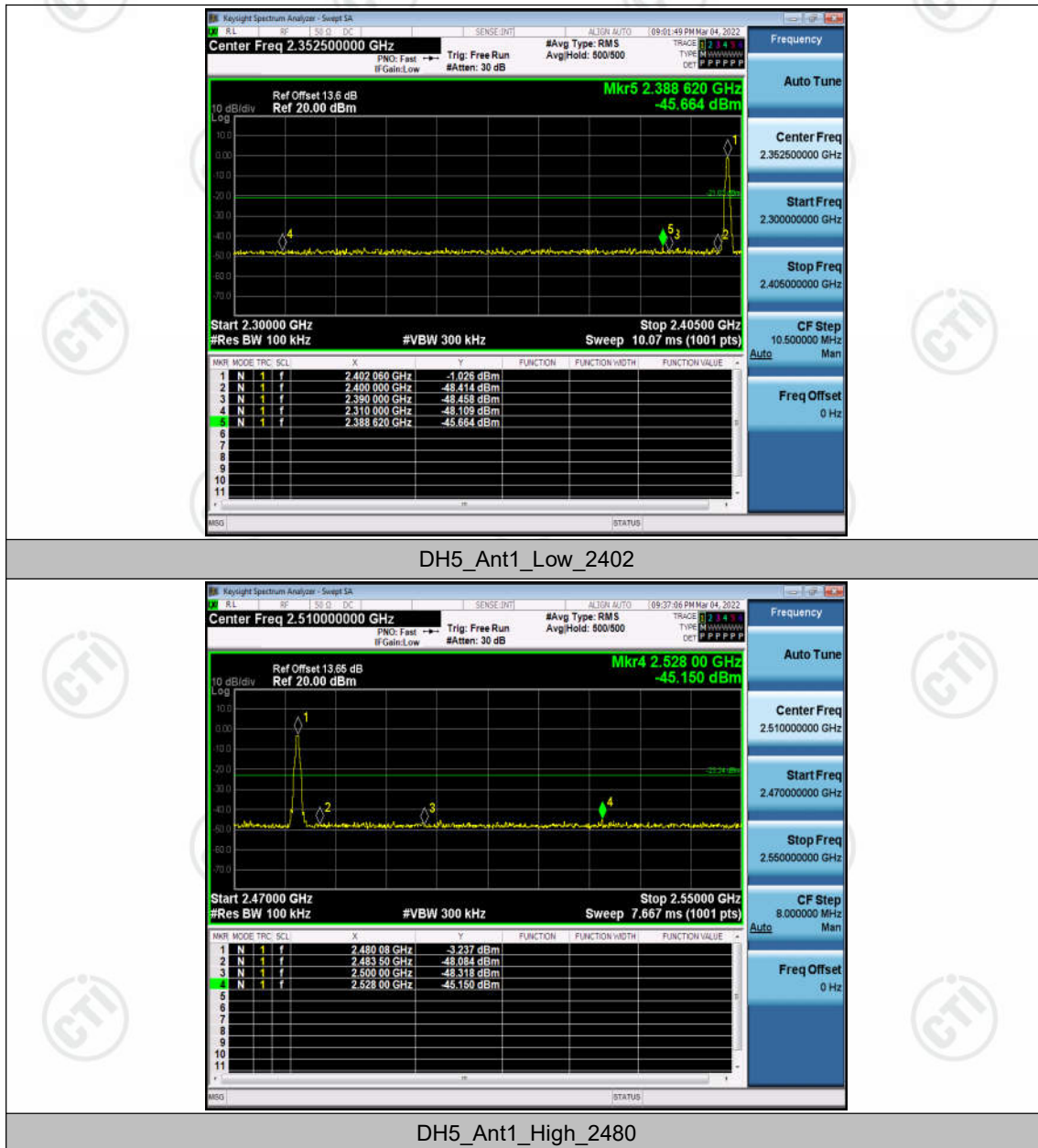


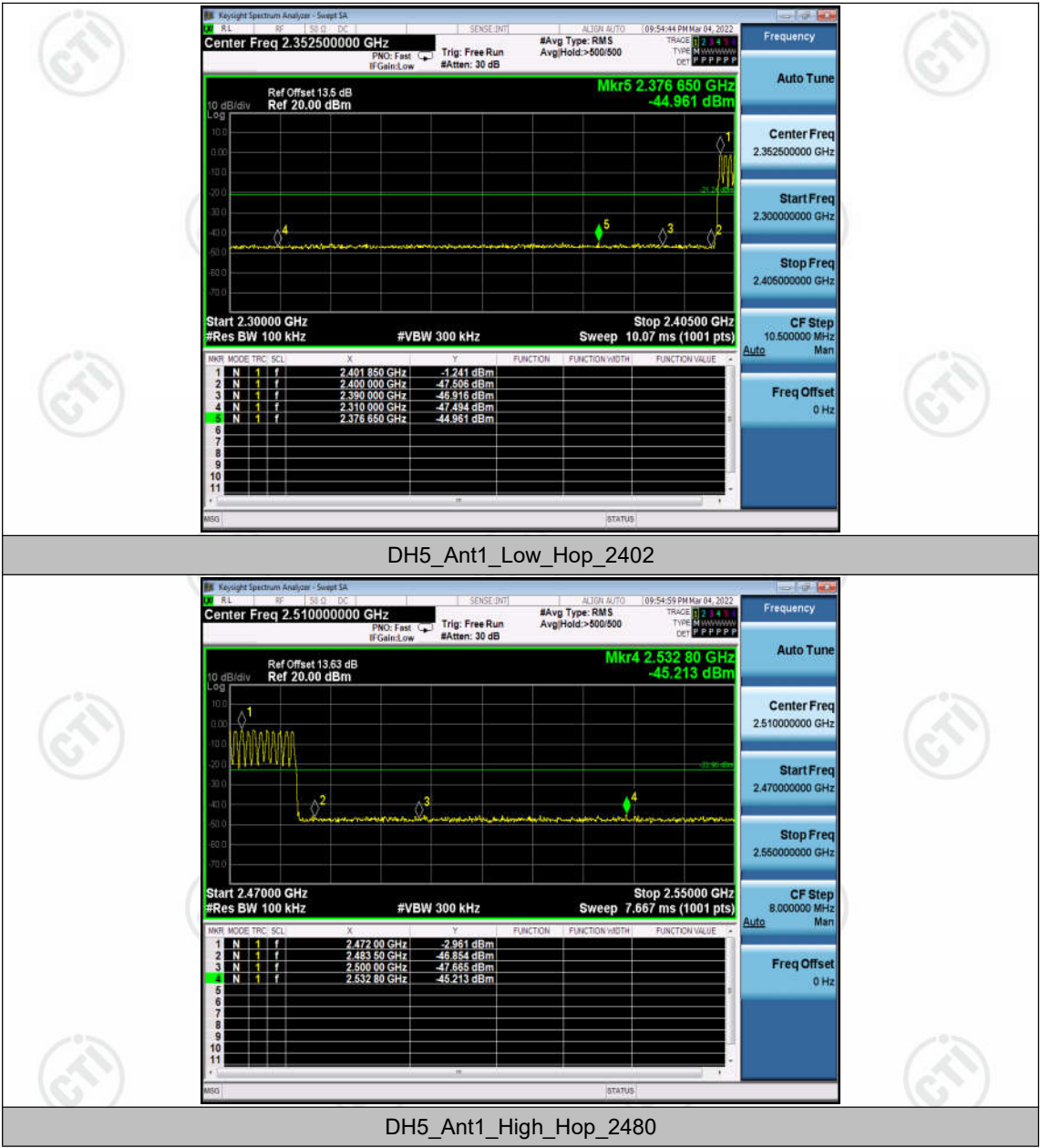
Appendix G:Band edge measurements

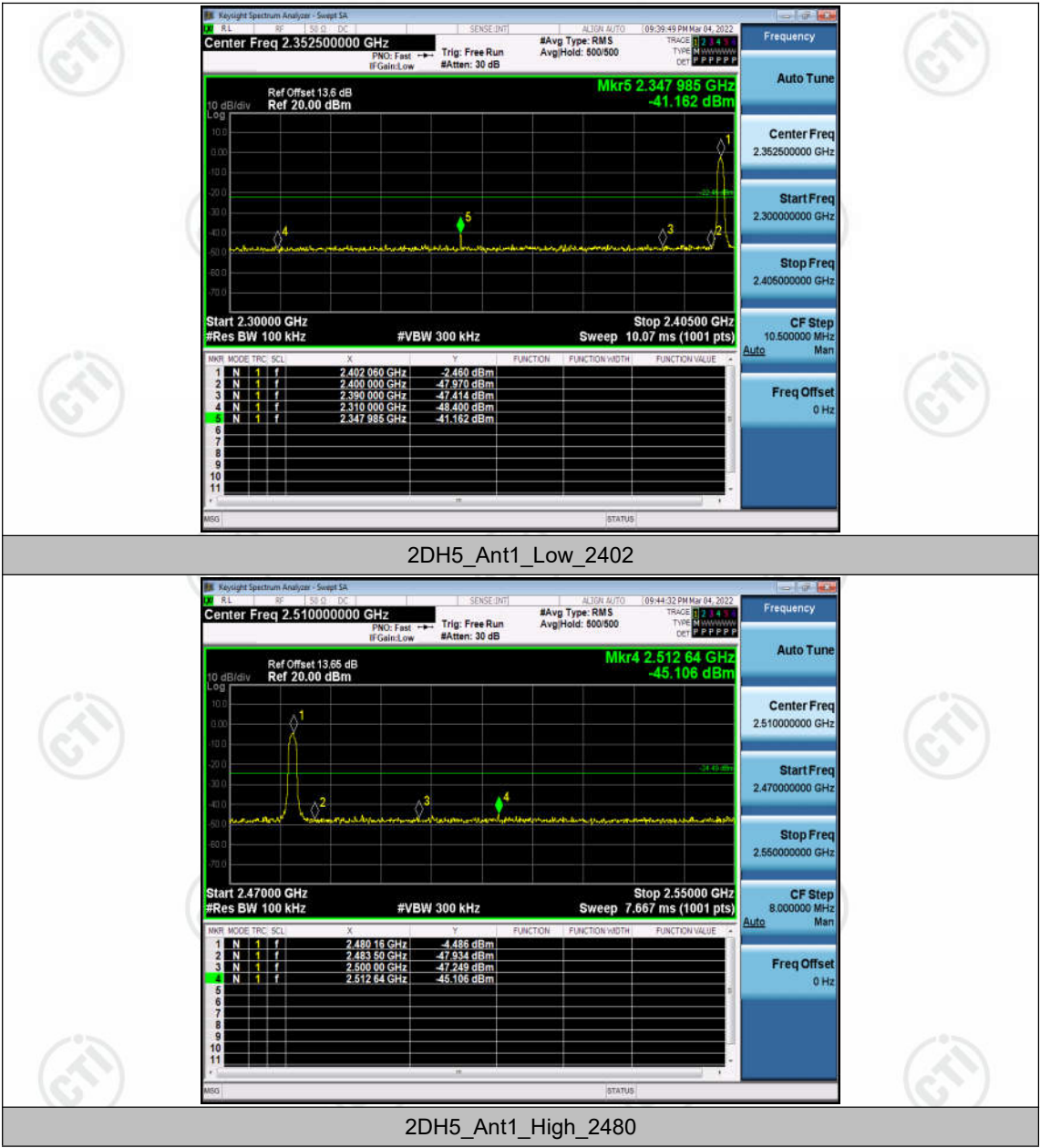
Test Result

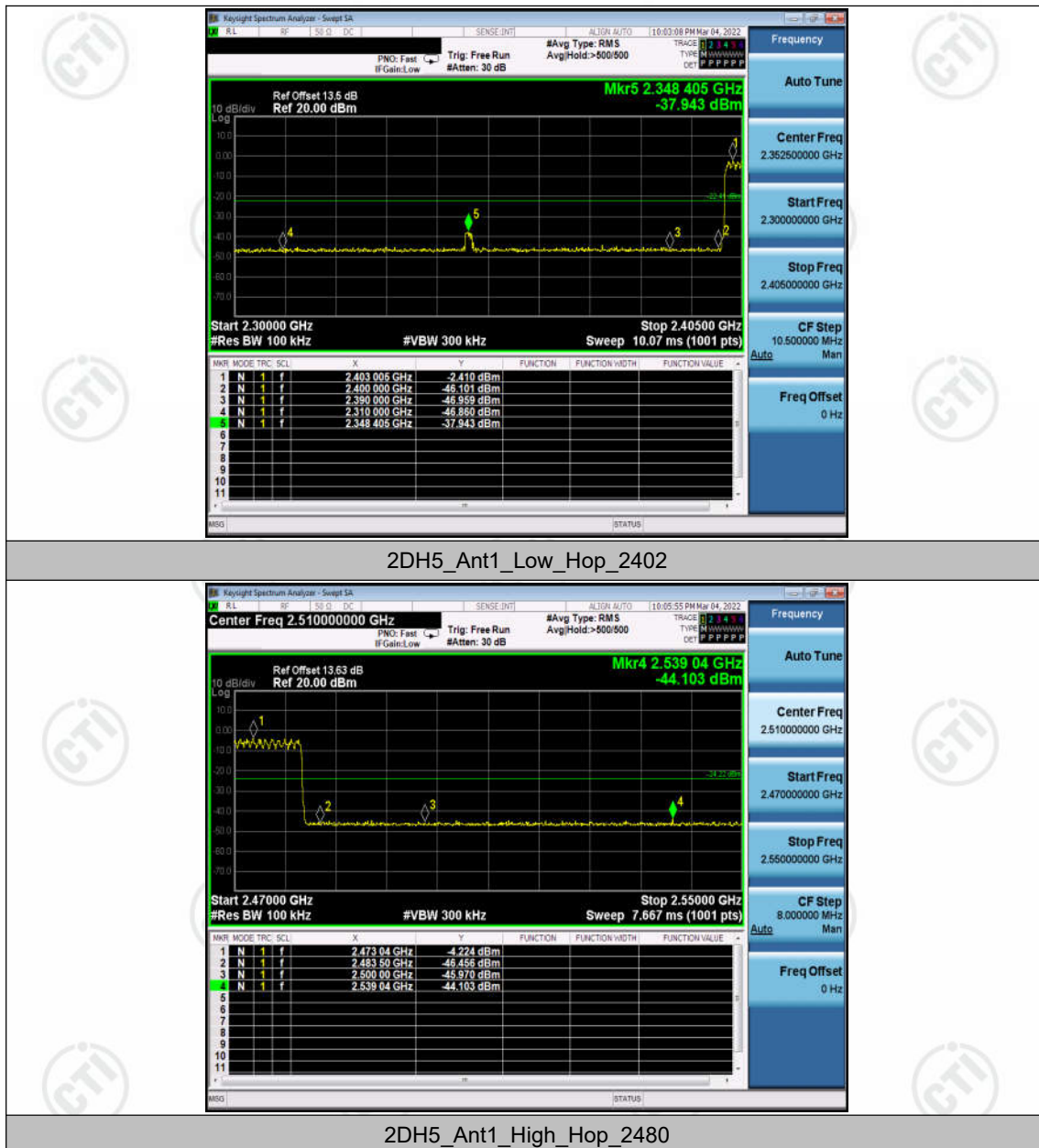
Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.03	-45.66	<=-21.03	PASS
		High	2480	-3.24	-45.15	<=-23.24	PASS
		Low	Hop_2402	-1.24	-44.96	<=-21.24	PASS
		High	Hop_2480	-2.96	-45.21	<=-22.96	PASS
2DH5	Ant1	Low	2402	-2.46	-41.16	<=-22.46	PASS
		High	2480	-4.49	-45.11	<=-24.49	PASS
		Low	Hop_2402	-2.41	-37.94	<=-22.41	PASS
		High	Hop_2480	-4.22	-44.1	<=-24.22	PASS
3DH5	Ant1	Low	2402	-2.21	-38.61	<=-22.21	PASS
		High	2480	-4.48	-45.11	<=-24.48	PASS
		Low	Hop_2402	-2.99	-38.28	<=-22.99	PASS
		High	Hop_2480	-4.17	-44.82	<=-24.17	PASS

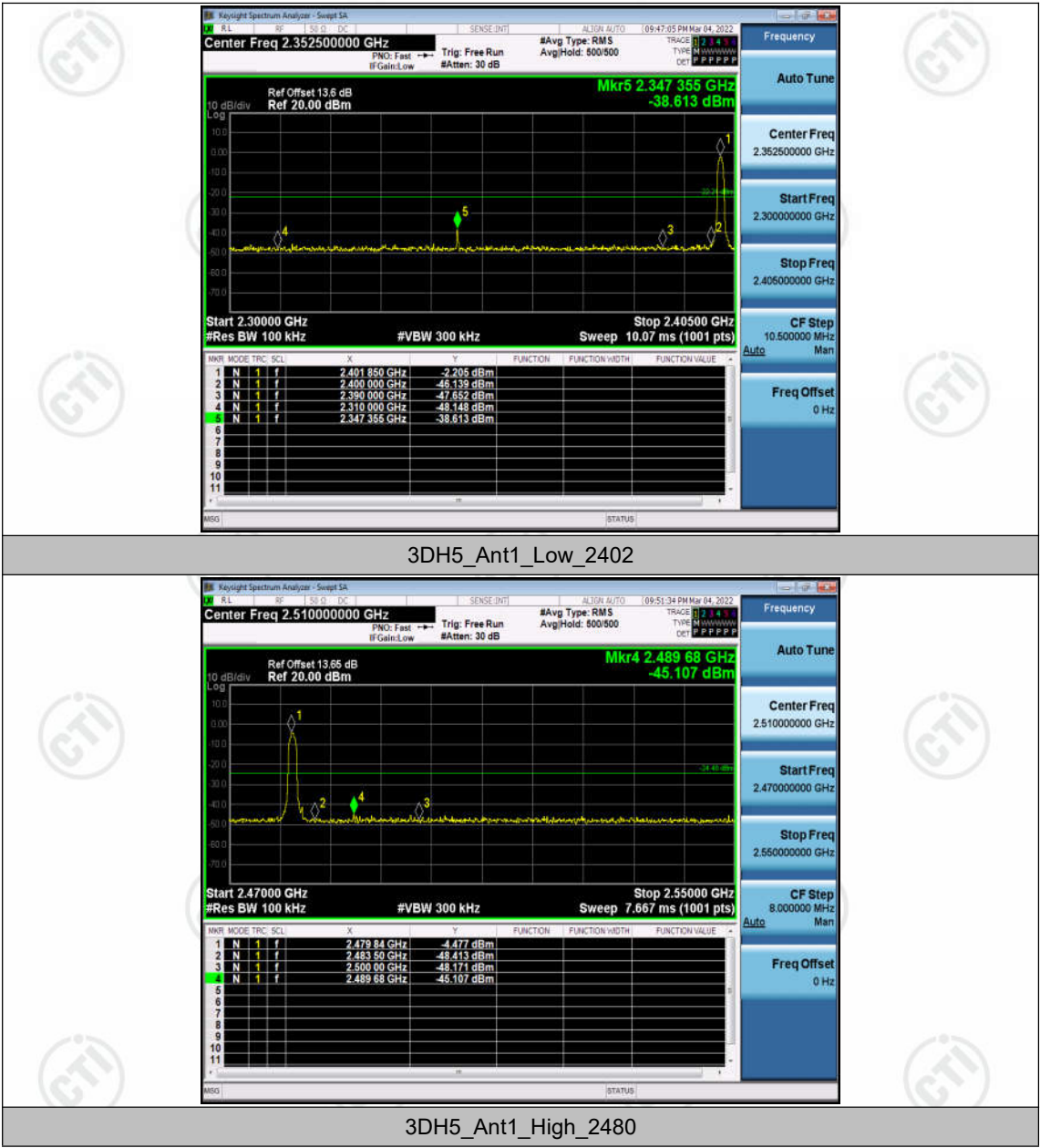
Test Graphs

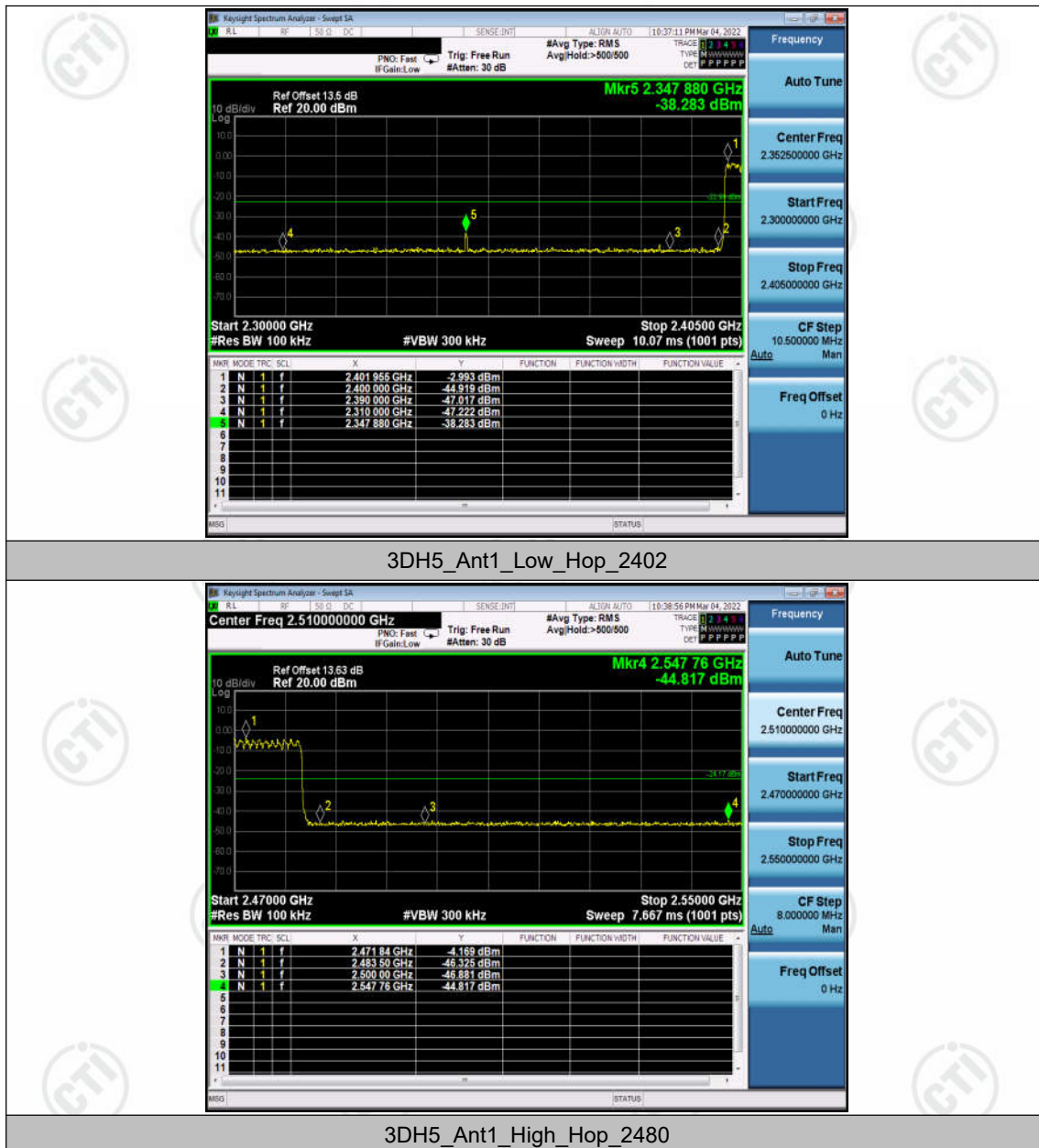










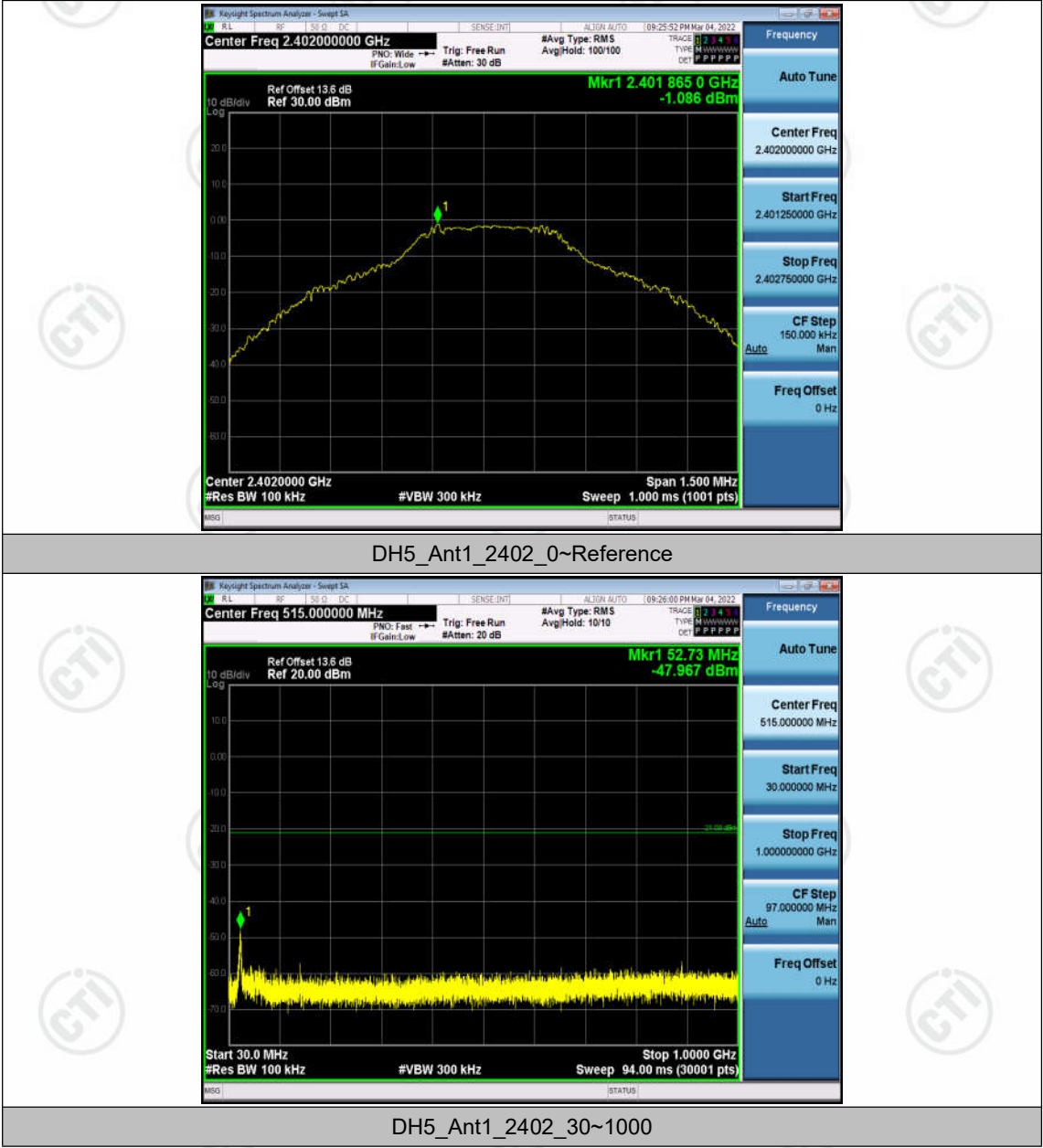


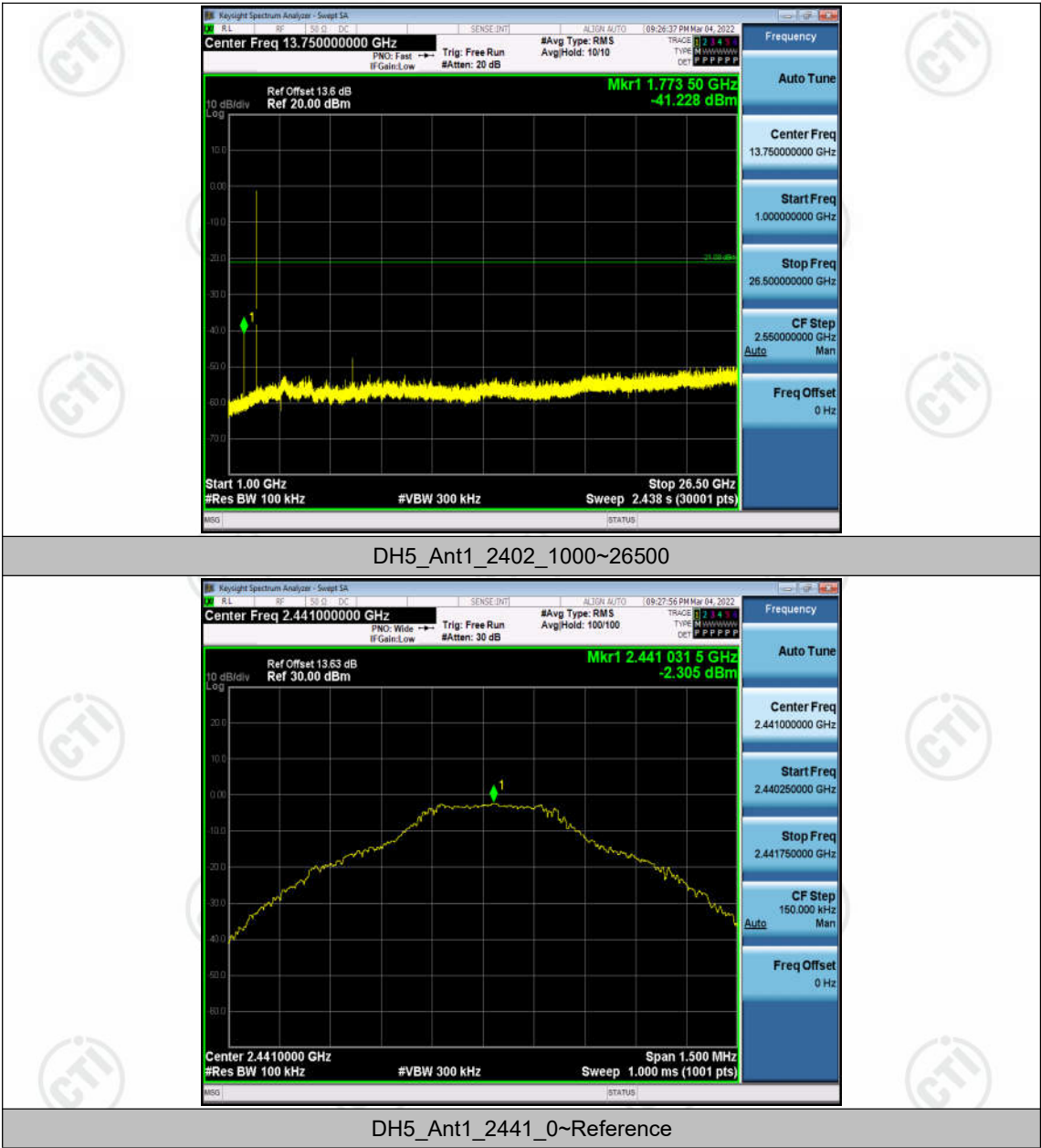
Appendix H:Conducted Spurious Emission

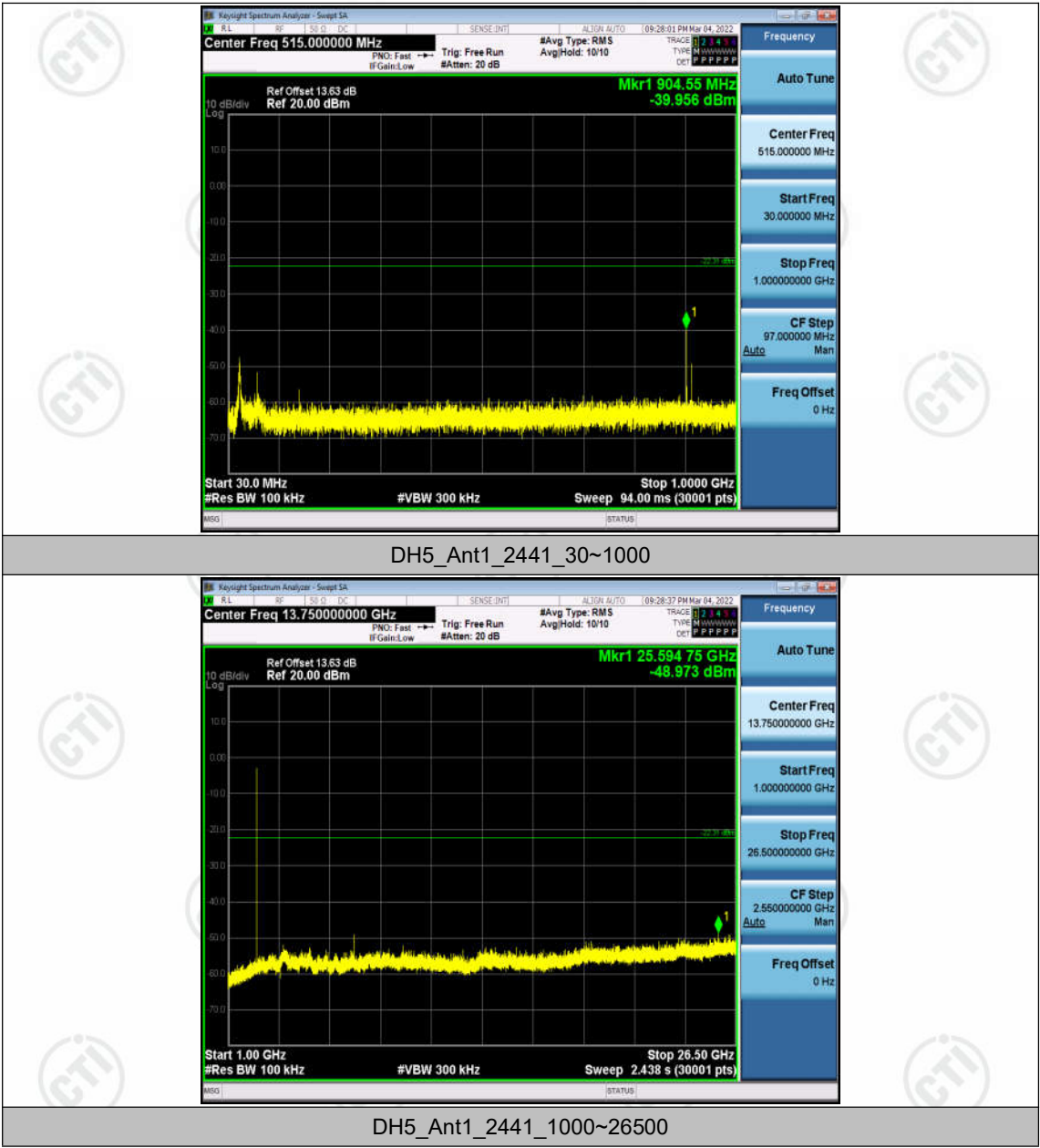
Test Result

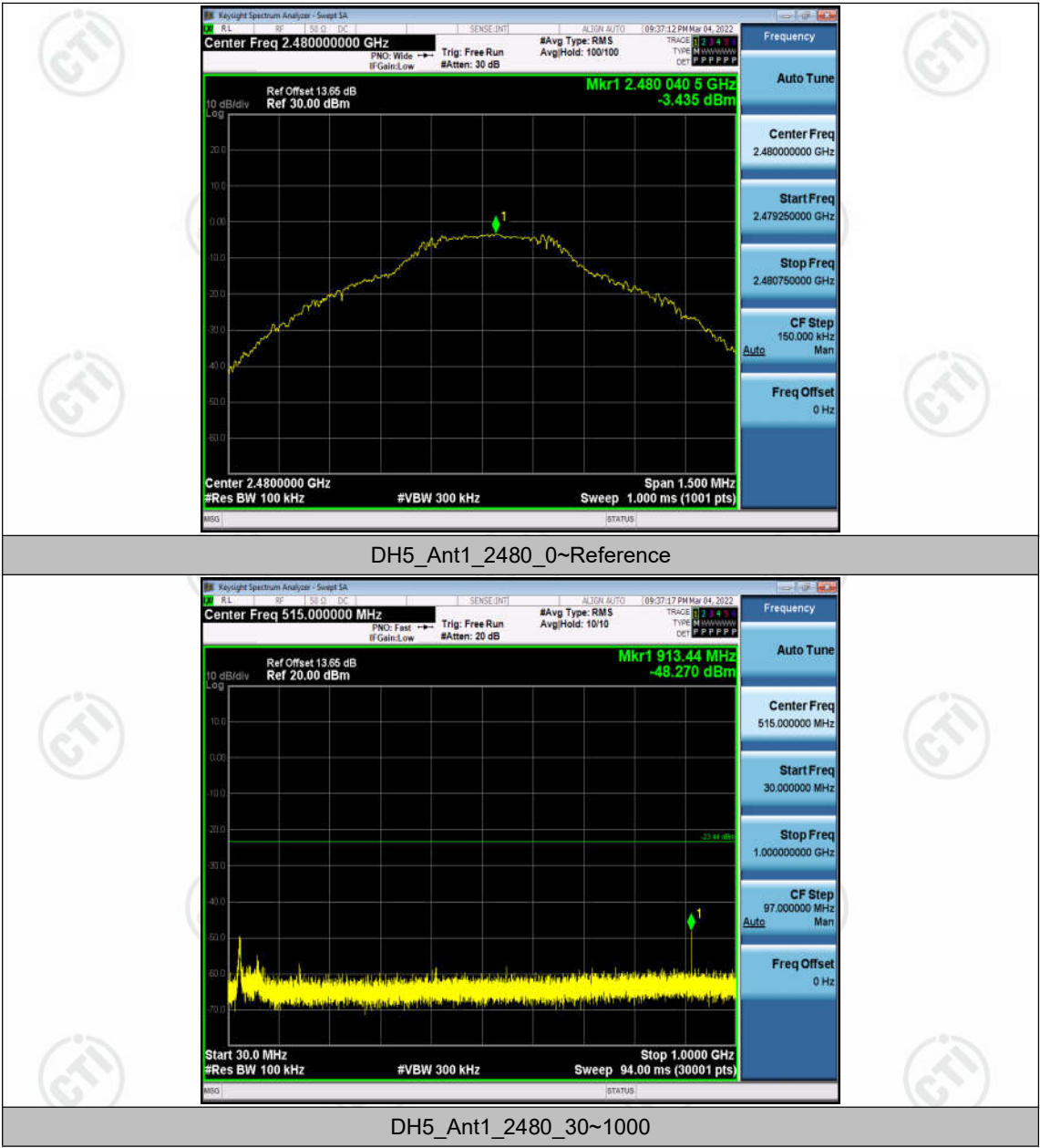
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.09	-1.09	---	PASS
			30~1000	30~1000	-47.967	<=-21.086	PASS
			1000~26500	1000~26500	-41.228	<=-21.086	PASS
		2441	Reference	-2.31	-2.31	---	PASS
			30~1000	30~1000	-39.956	<=-22.305	PASS
			1000~26500	1000~26500	-48.973	<=-22.305	PASS
		2480	Reference	-3.44	-3.44	---	PASS
			30~1000	30~1000	-48.27	<=-23.435	PASS
			1000~26500	1000~26500	-48.555	<=-23.435	PASS
2DH5	Ant1	2402	Reference	-2.40	-2.40	---	PASS
			30~1000	30~1000	-48.102	<=-22.4	PASS
			1000~26500	1000~26500	-47.444	<=-22.4	PASS
		2441	Reference	-4.09	-4.09	---	PASS
			30~1000	30~1000	-49.515	<=-24.091	PASS
			1000~26500	1000~26500	-47.673	<=-24.091	PASS
		2480	Reference	-5.09	-5.09	---	PASS
			30~1000	30~1000	-48.296	<=-25.089	PASS
			1000~26500	1000~26500	-47.656	<=-25.089	PASS
3DH5	Ant1	2402	Reference	-2.37	-2.37	---	PASS
			30~1000	30~1000	-49.404	<=-22.37	PASS
			1000~26500	1000~26500	-48.128	<=-22.37	PASS
		2441	Reference	-3.59	-3.59	---	PASS
			30~1000	30~1000	-48.155	<=-23.589	PASS
			1000~26500	1000~26500	-47.22	<=-23.589	PASS
		2480	Reference	-4.71	-4.71	---	PASS
			30~1000	30~1000	-43.73	<=-24.711	PASS
			1000~26500	1000~26500	-47.318	<=-24.711	PASS

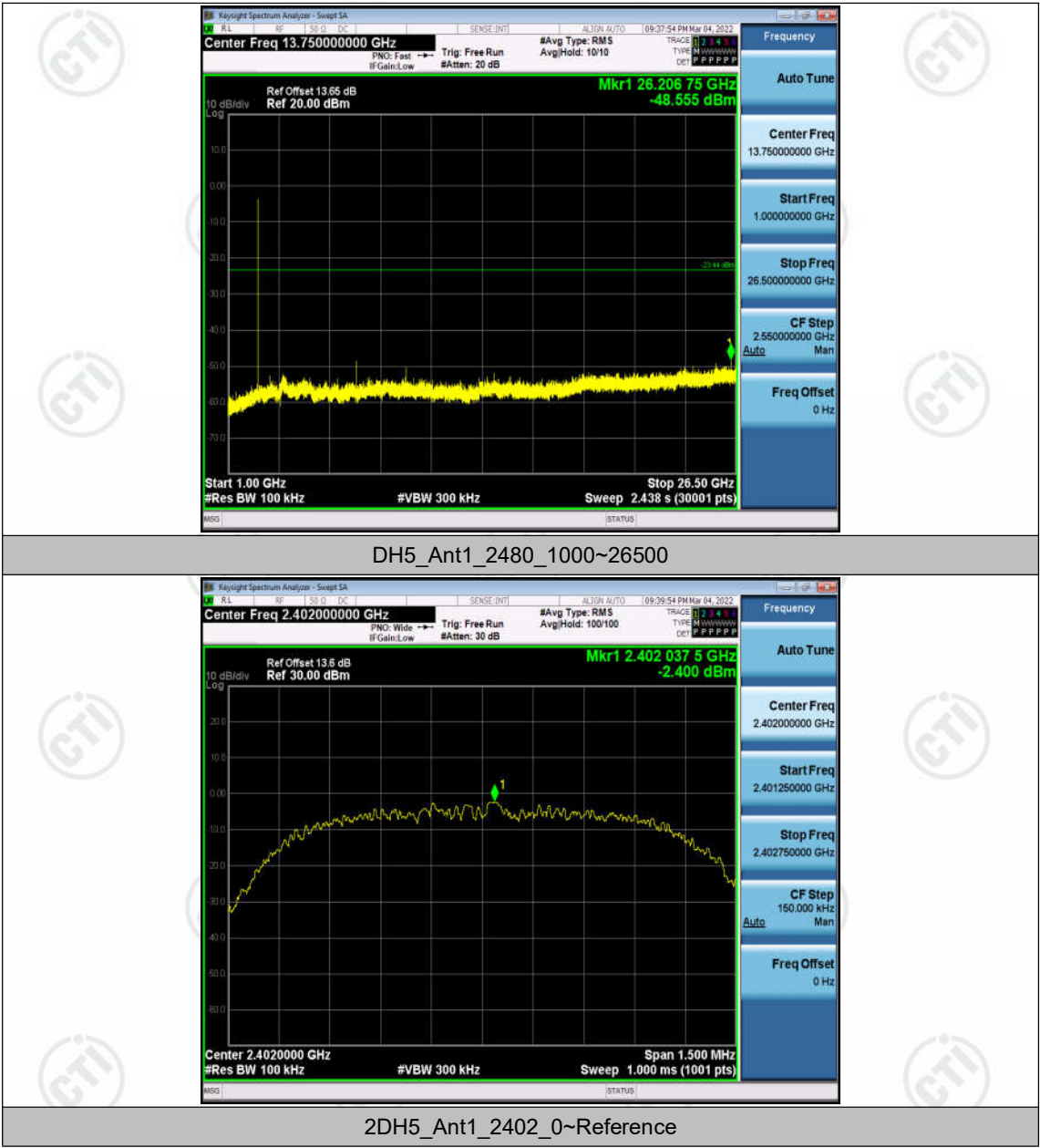
Test Graphs

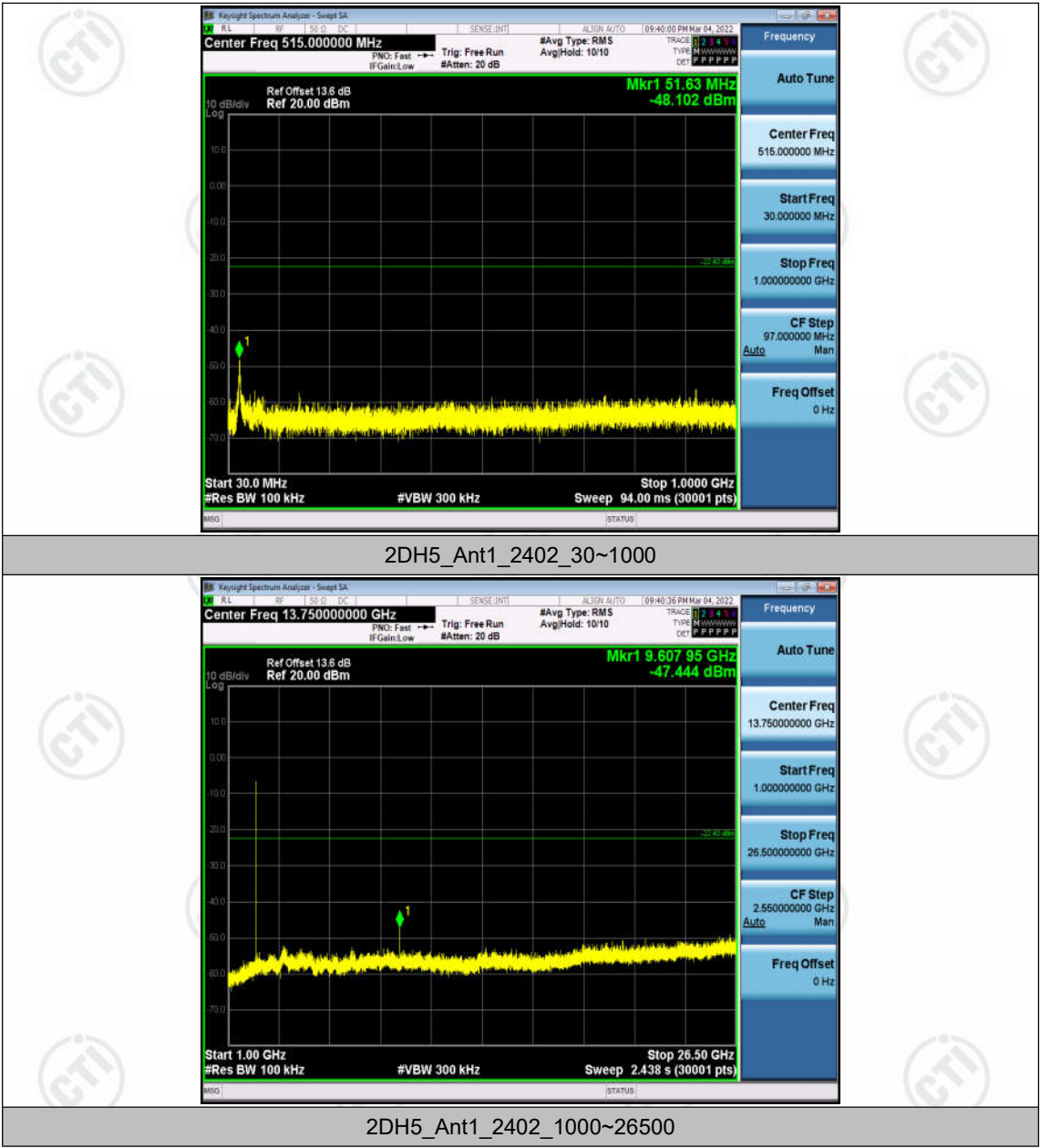


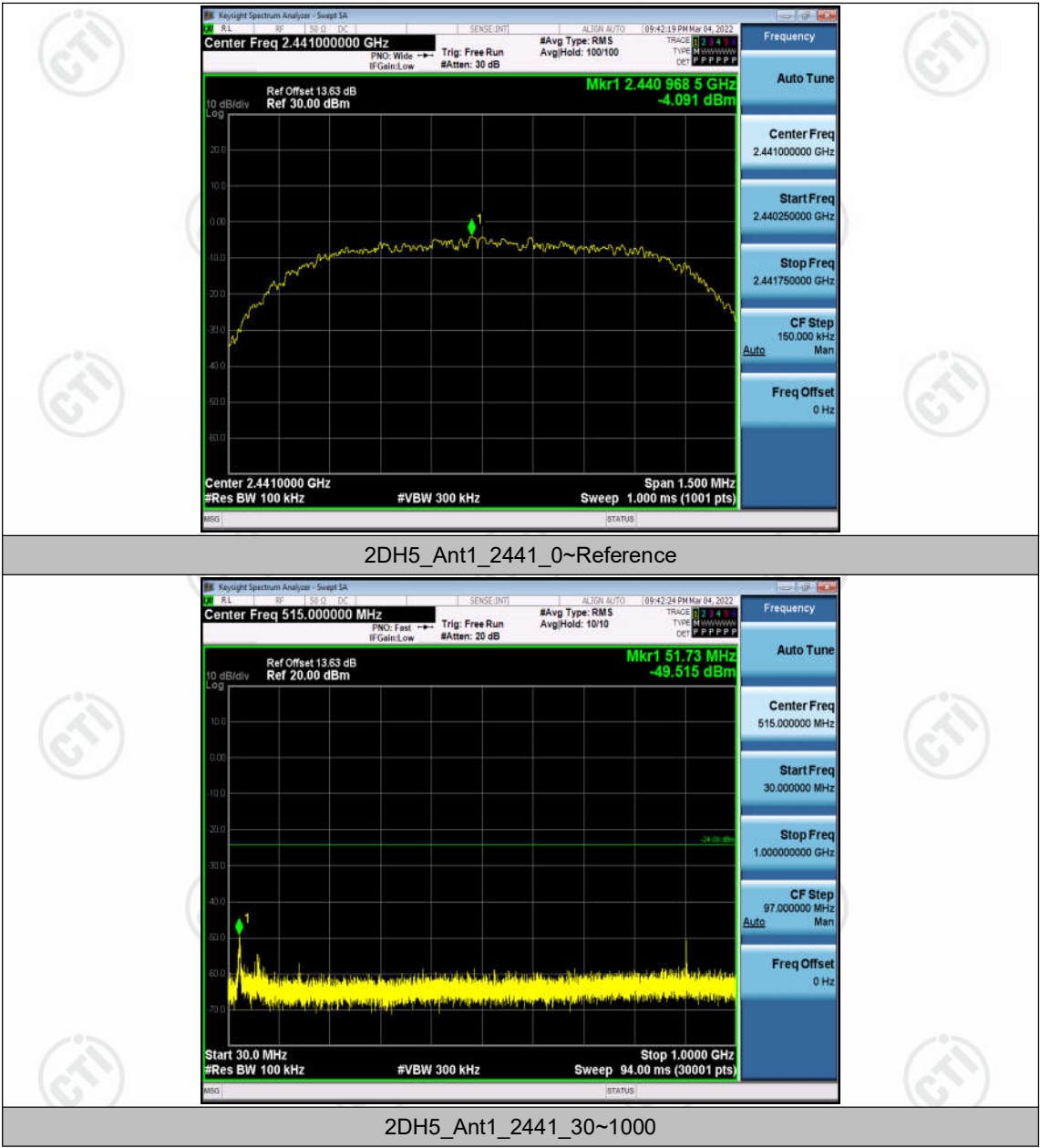


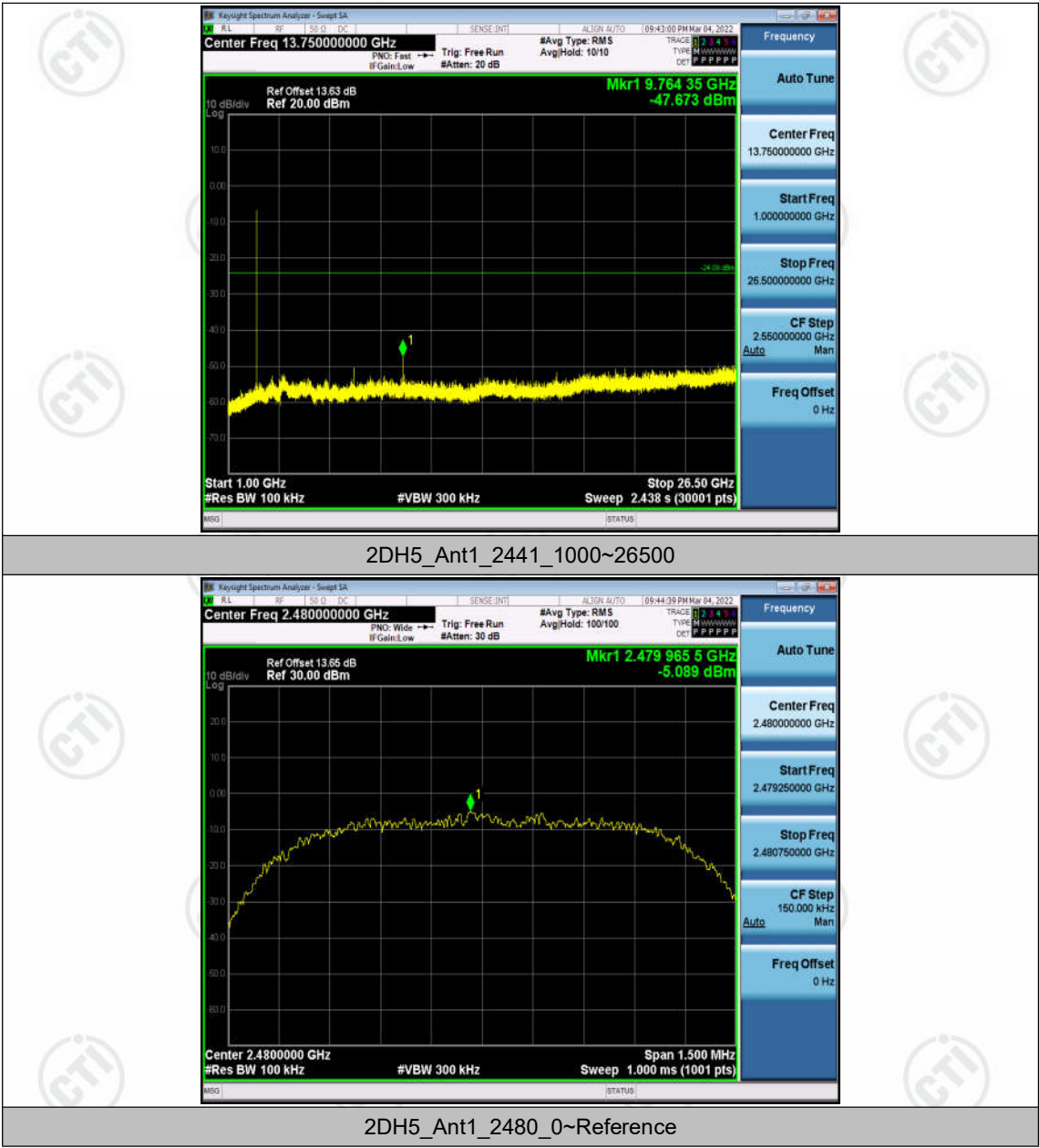


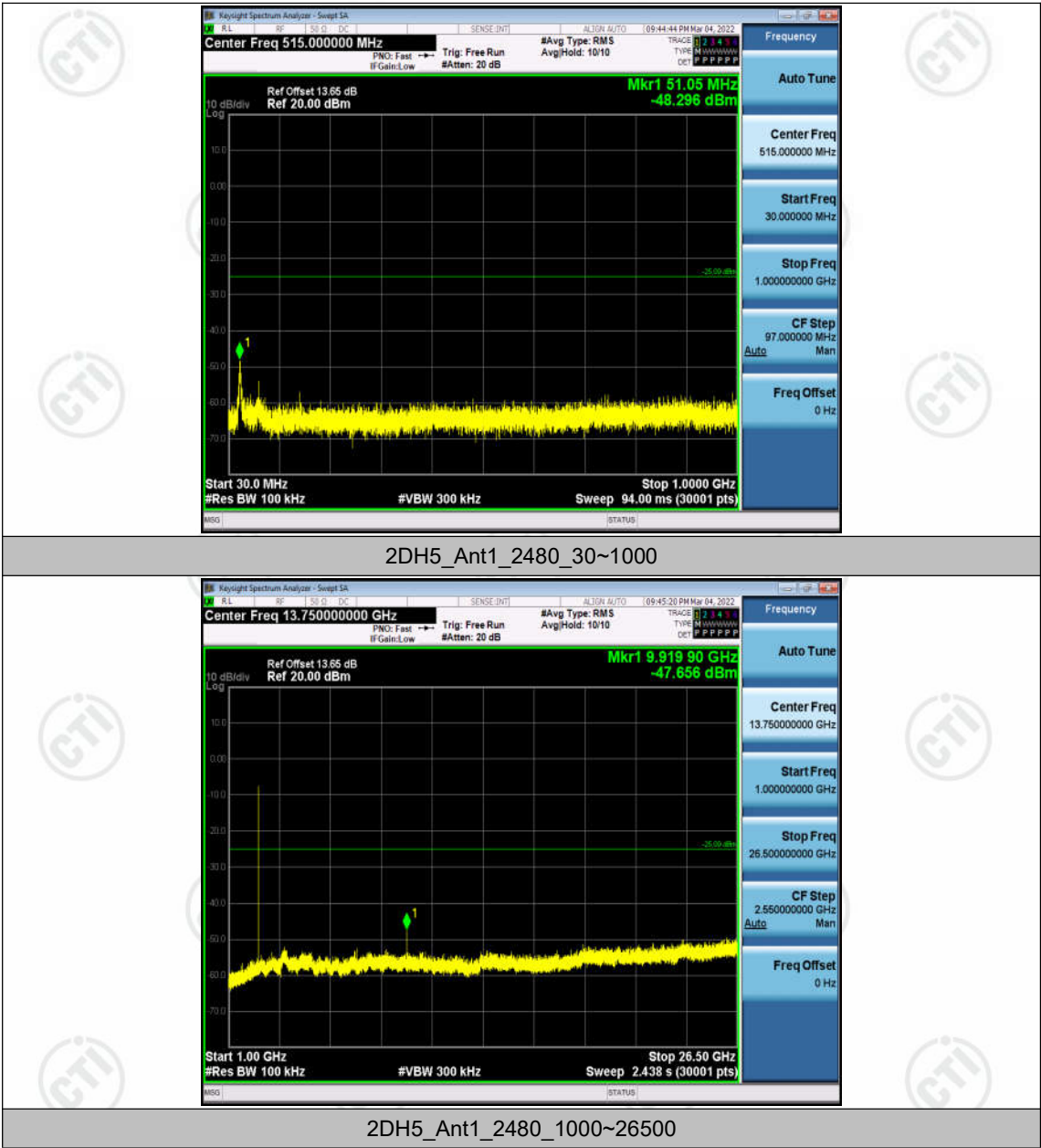


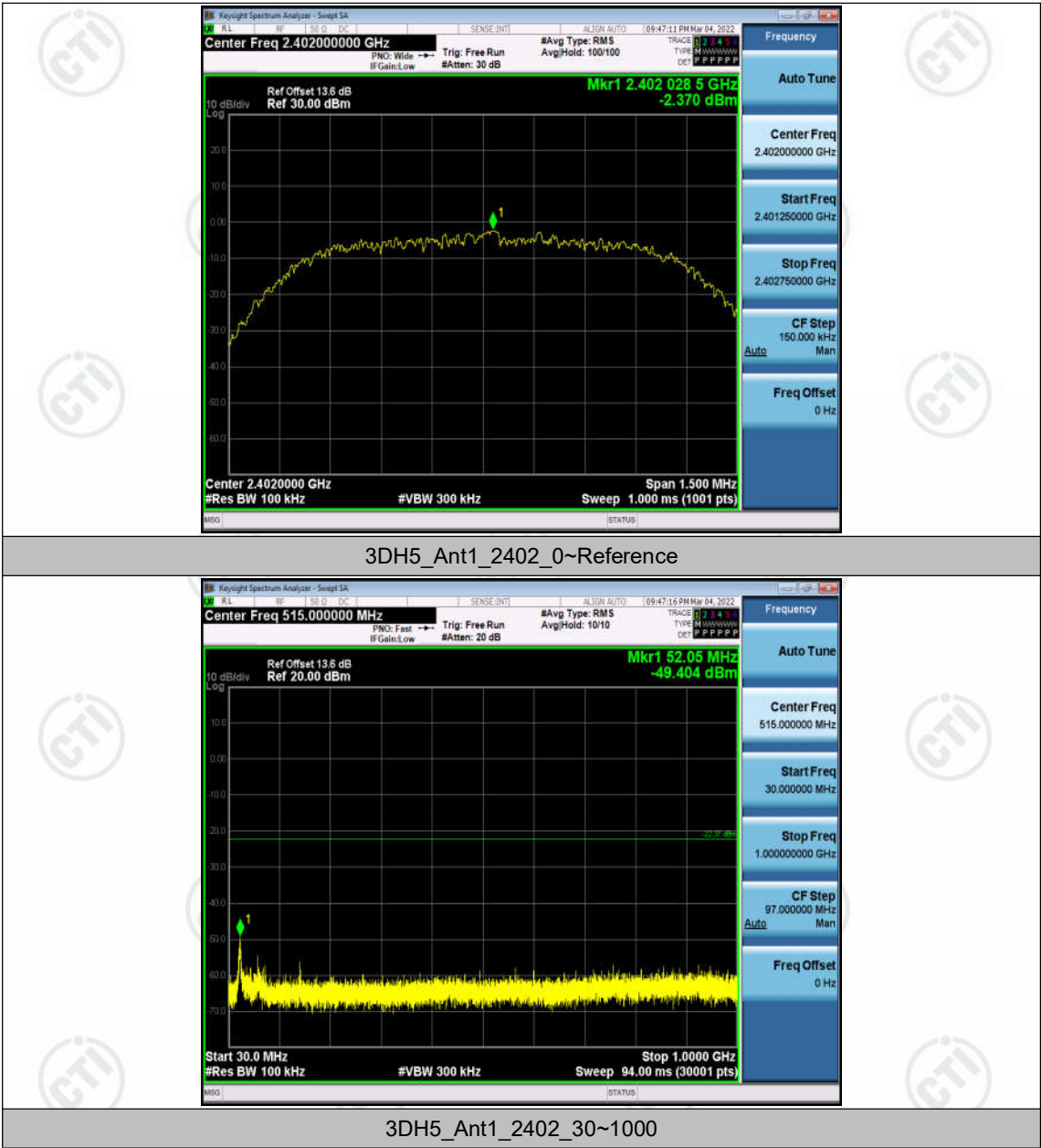


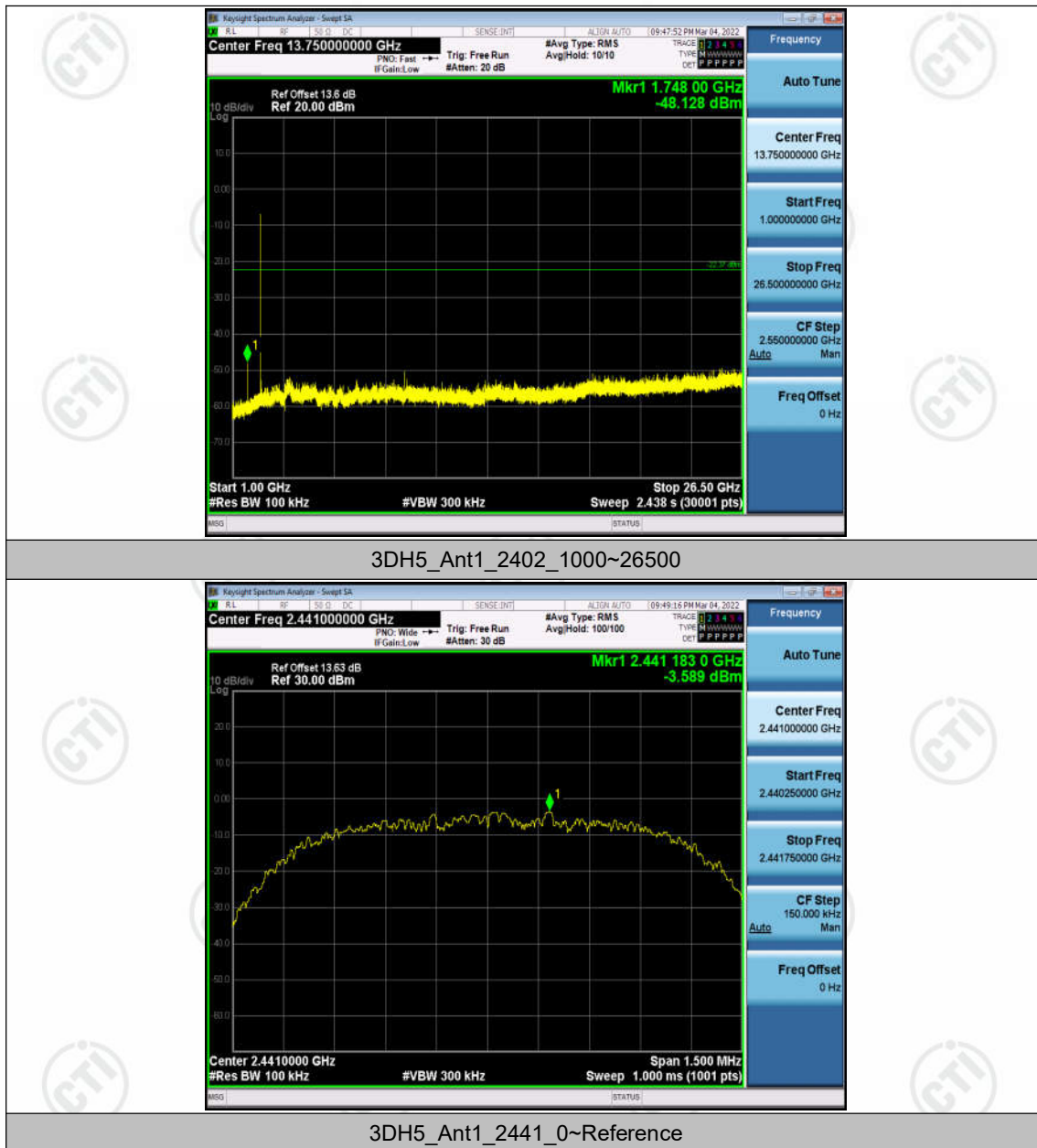


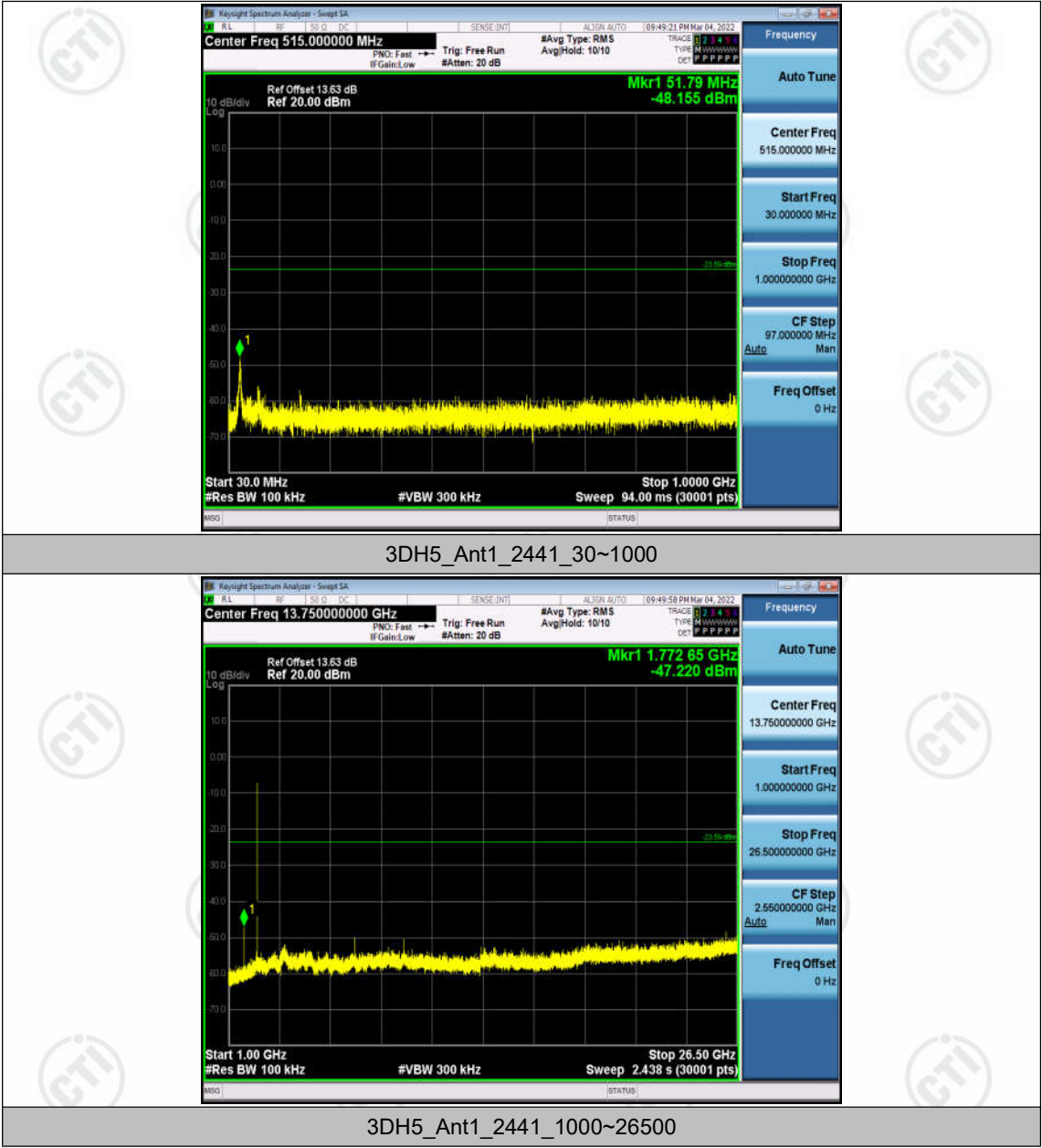


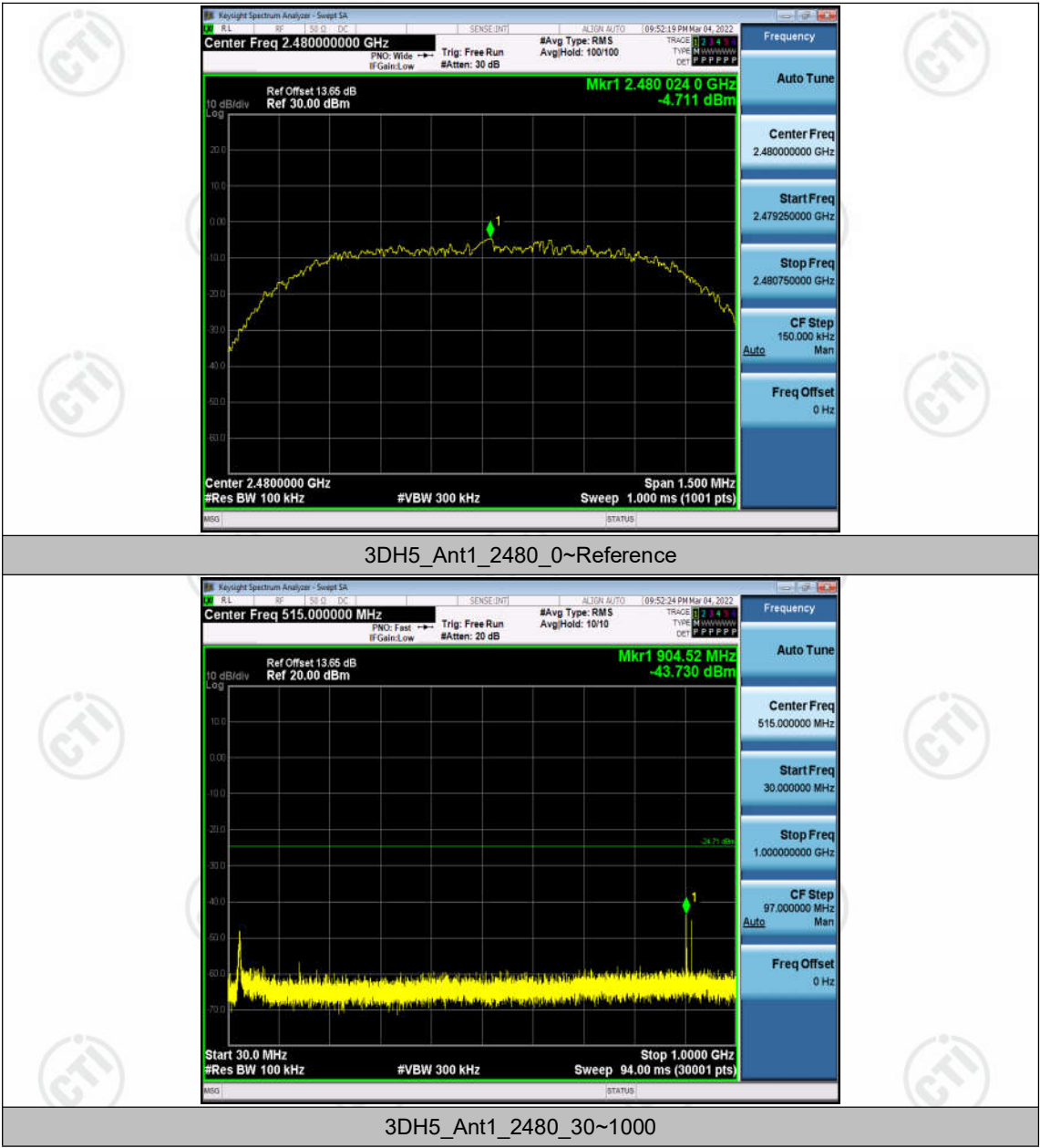


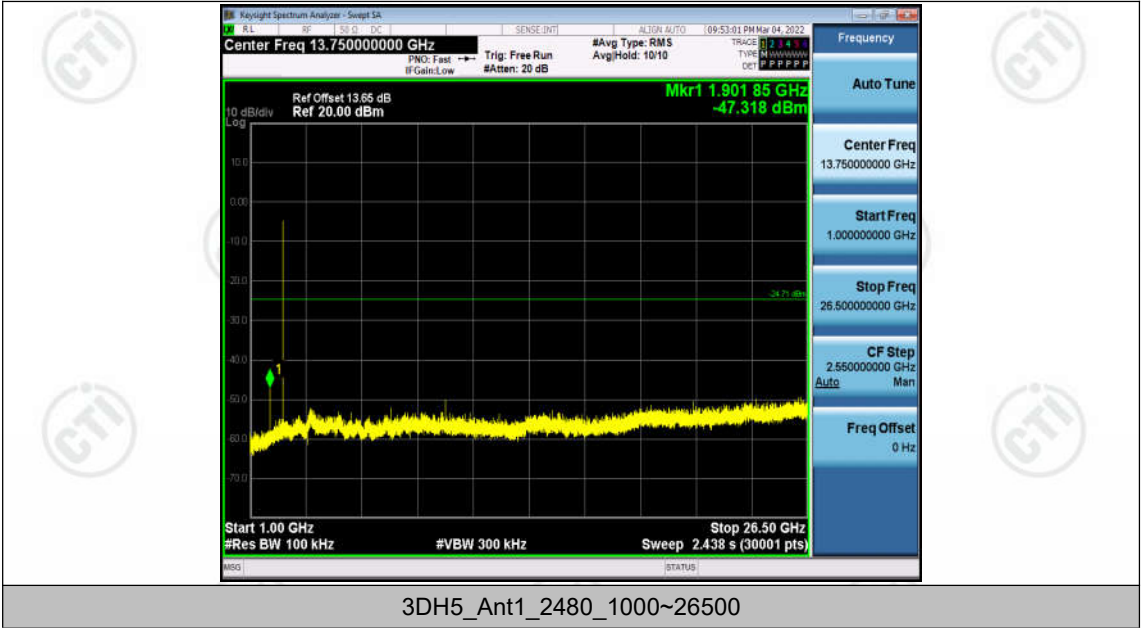










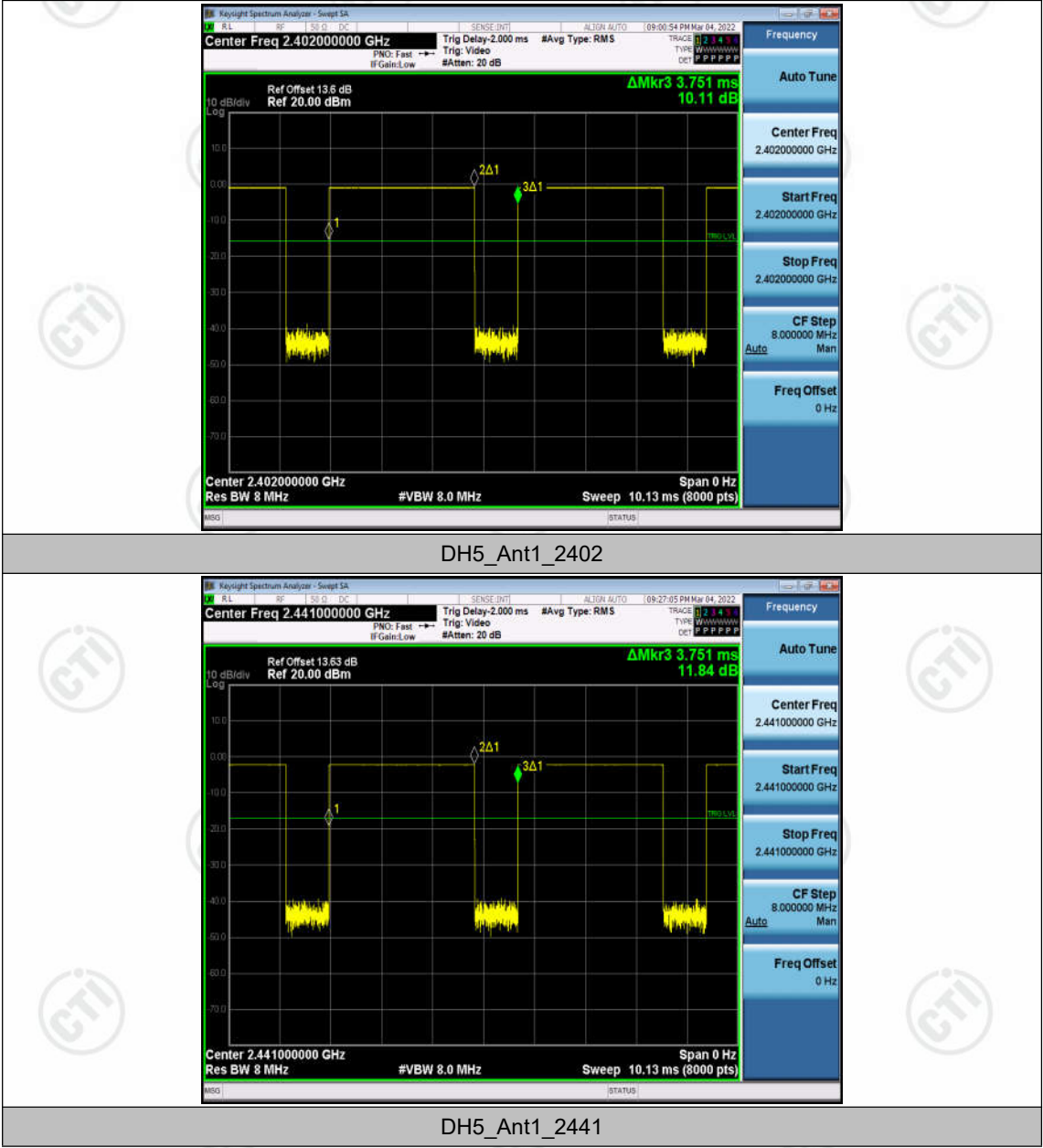


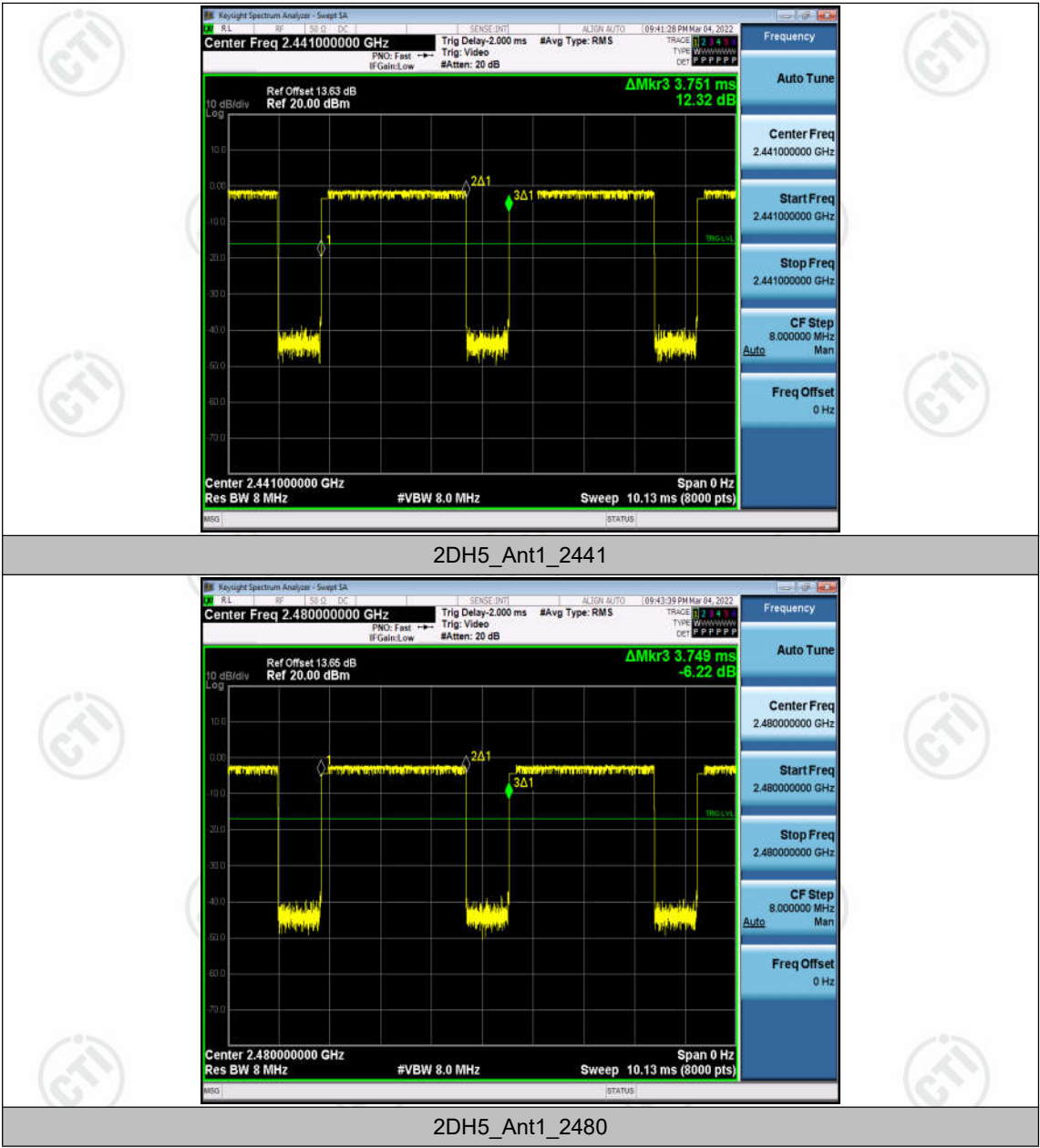
Appendix I: DutyCycle

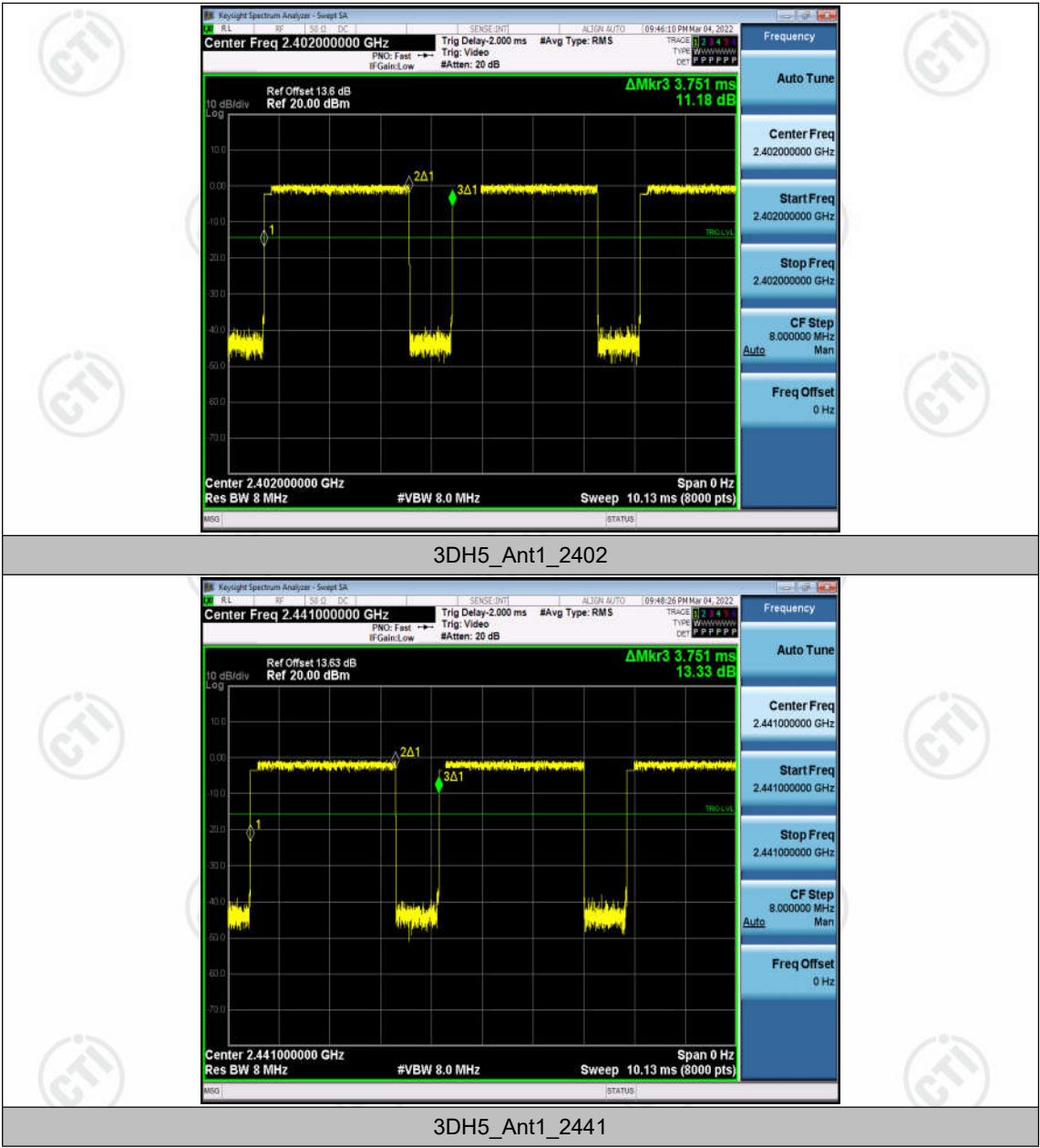
Test Result

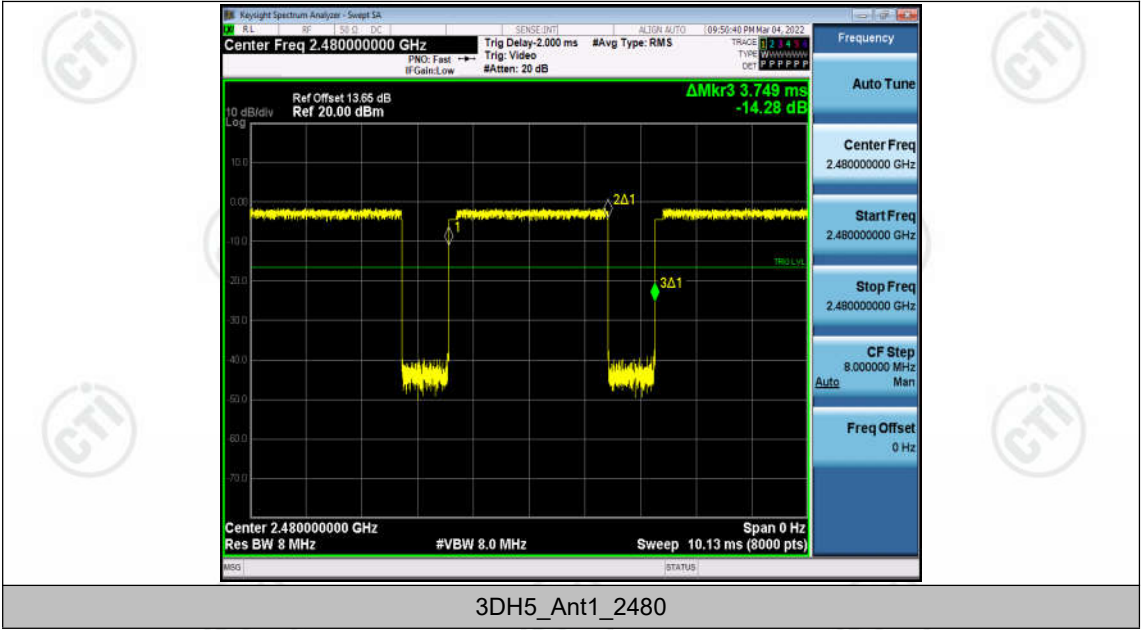
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	2.89	3.75	77.07	---	PASS
		2441	2.89	3.75	77.07	---	PASS
		2480	2.89	3.75	77.07	---	PASS
2DH5	Ant1	2402	2.89	3.75	77.10	---	PASS
		2441	2.89	3.75	77.10	---	PASS
		2480	2.89	3.75	77.09	---	PASS
3DH5	Ant1	2402	2.89	3.75	77.17	---	PASS
		2441	2.89	3.75	77.17	---	PASS
		2480	2.89	3.75	77.16	---	PASS

Test Graphs









*** End of Report ***