

Appendix: Bluetooth Classic

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Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.801	2401.613	2402.414	---	PASS
		2441	0.795	2440.619	2441.414	---	PASS
		2480	0.801	2479.613	2480.414	---	PASS
2DH5	Ant1	2402	1.185	2401.415	2402.600	---	PASS
		2441	1.284	2440.355	2441.639	---	PASS
		2480	1.197	2479.415	2480.612	---	PASS
3DH5	Ant1	2402	1.239	2401.379	2402.618	---	PASS
		2441	1.227	2440.388	2441.615	---	PASS
		2480	1.332	2479.343	2480.675	---	PASS

Test Graphs



DH5_Ant1_2402



DH5_Ant1_2441



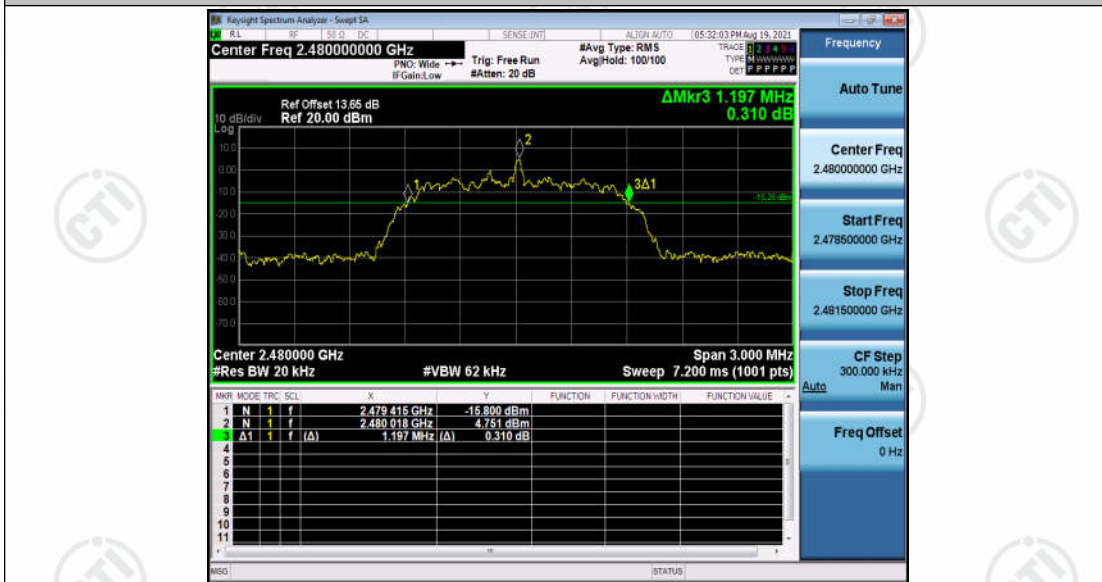
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



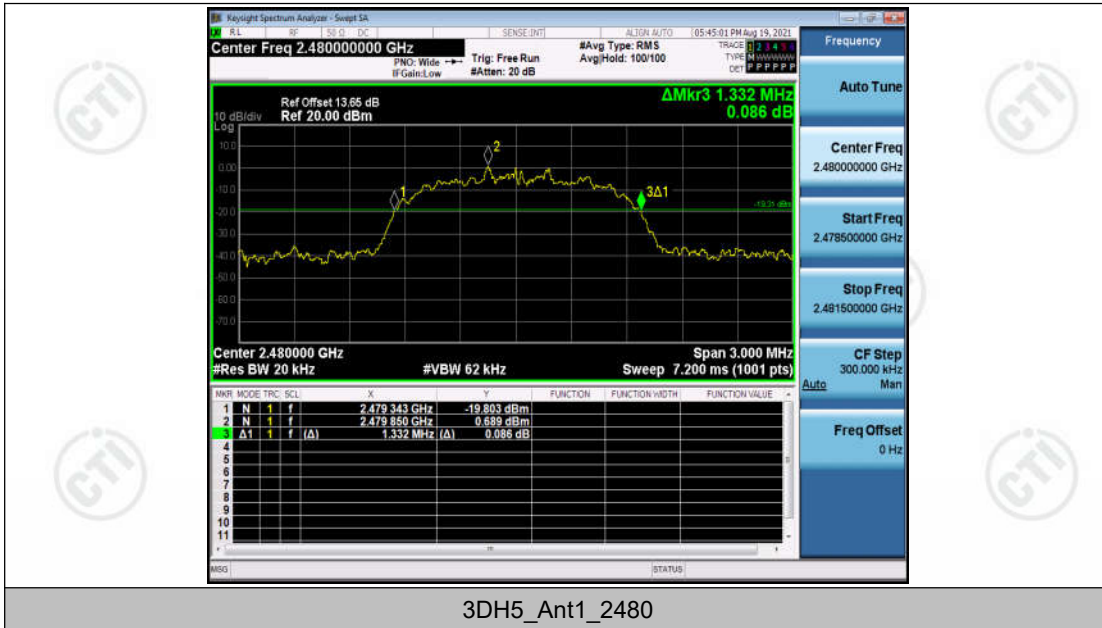
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



Appendix B: Occupied Channel Bandwidth**Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84713	2401.584	2402.431	---	PASS
		2441	0.84751	2440.584	2441.432	---	PASS
		2480	0.83405	2479.589	2480.423	---	PASS
2DH5	Ant1	2402	1.1892	2401.417	2402.606	---	PASS
		2441	1.1816	2440.420	2441.602	---	PASS
		2480	1.1811	2479.420	2480.601	---	PASS
3DH5	Ant1	2402	1.2083	2401.400	2402.608	---	PASS
		2441	1.1957	2440.406	2441.602	---	PASS
		2480	1.1925	2479.407	2480.599	---	PASS

Test Graphs



DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

Appendix C: Maximum conducted output power

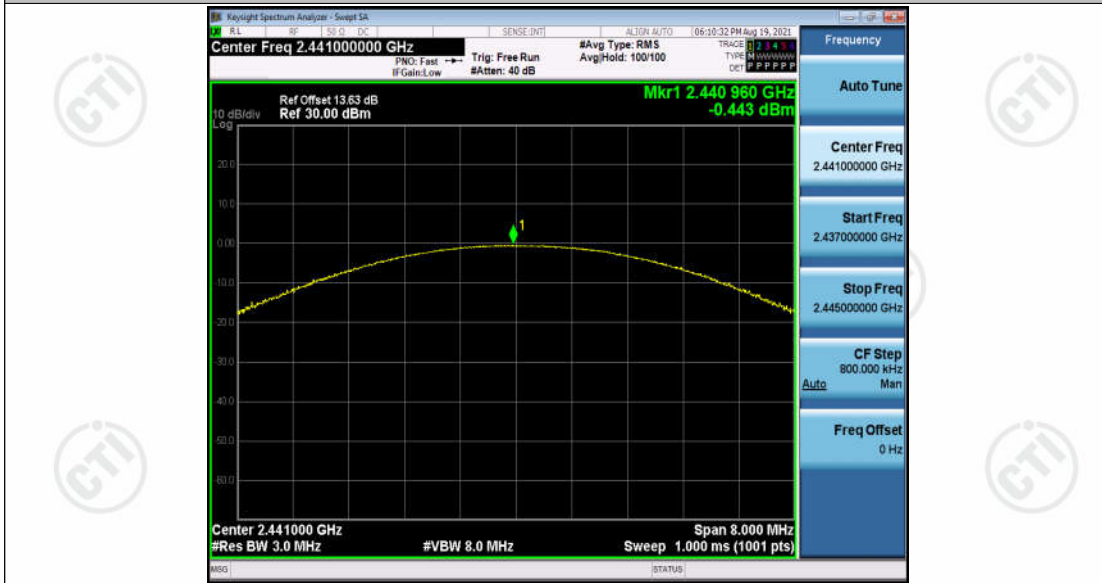
Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.66	<=30	PASS
		2441	-0.44	<=30	PASS
		2480	-0.29	<=30	PASS
2DH5	Ant1	2402	-0.04	<=20.97	PASS
		2441	0.02	<=20.97	PASS
		2480	0.37	<=20.97	PASS
3DH5	Ant1	2402	0.24	<=20.97	PASS
		2441	0.38	<=20.97	PASS
		2480	0.52	<=20.97	PASS

Test Graphs



DH5_Ant1_2402



DH5_Ant1_2441



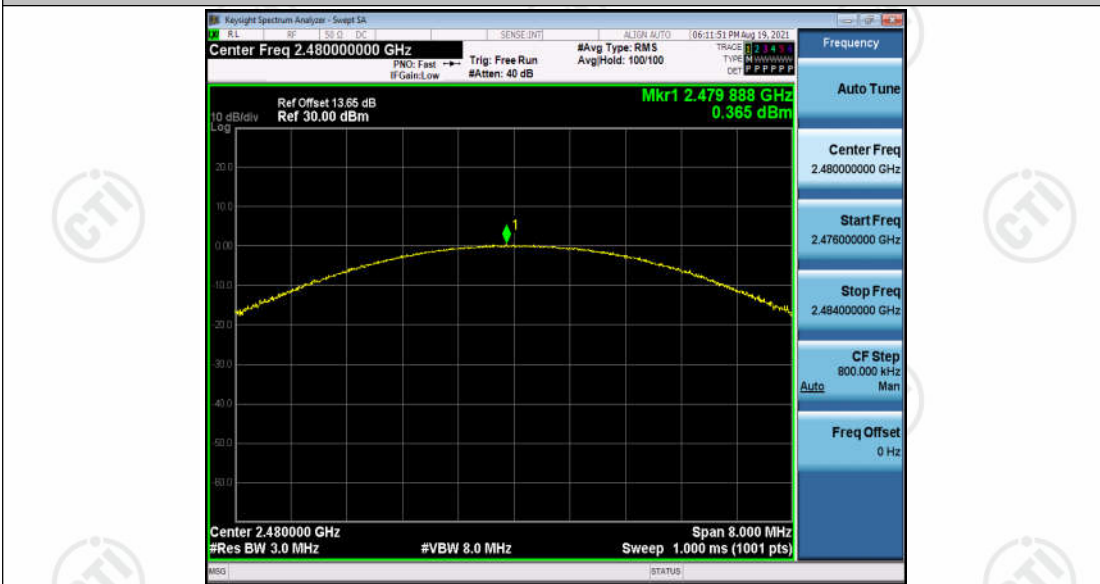
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



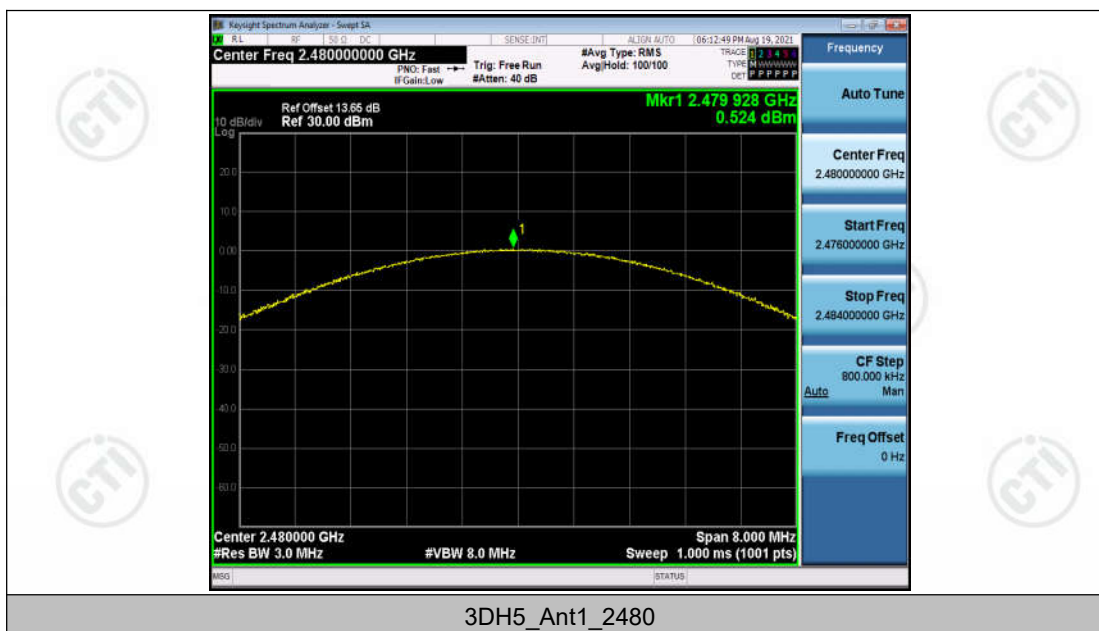
2DH5_Ant1_2480



3DH5_Ant1_2402



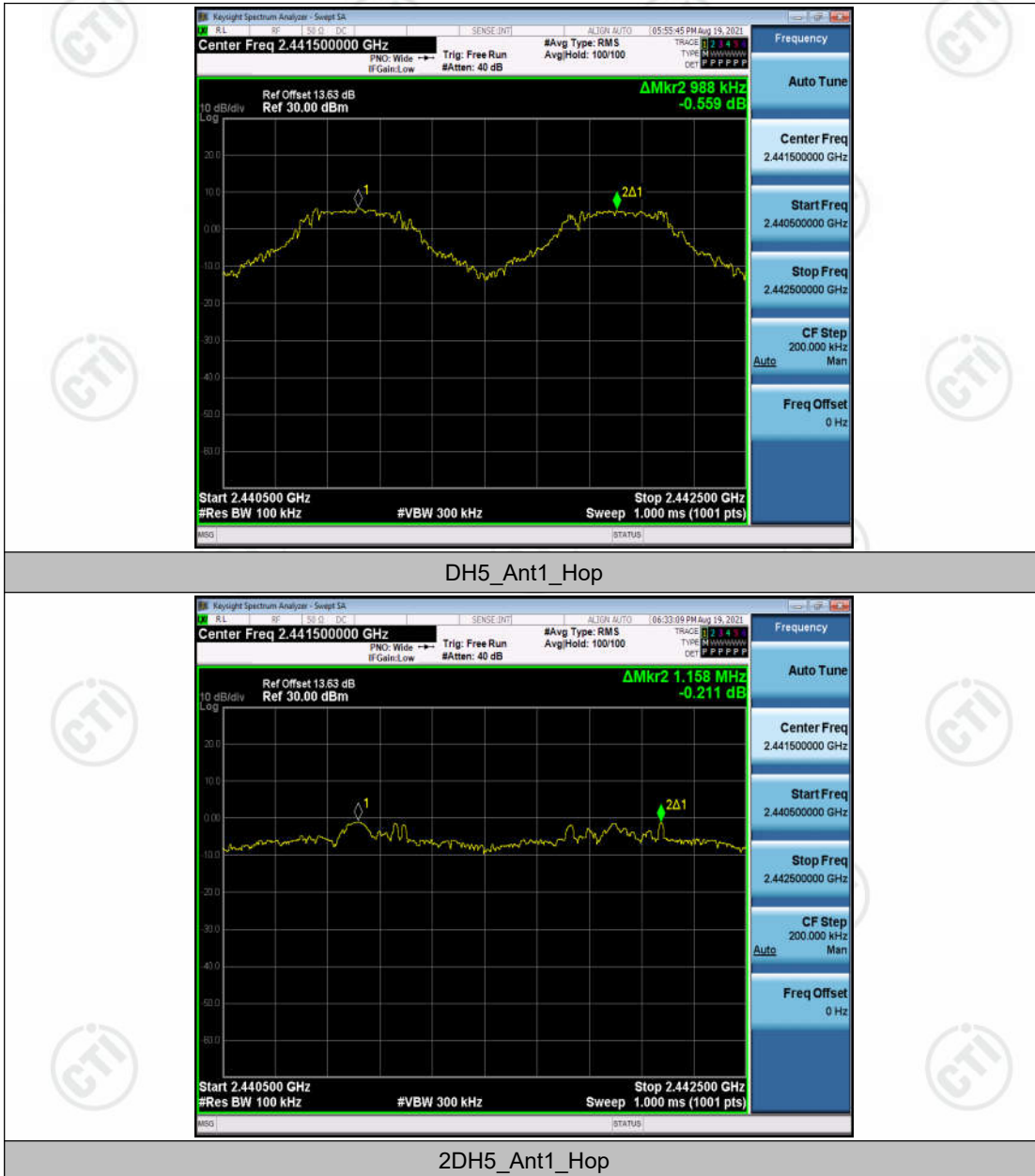
3DH5_Ant1_2441



Appendix D: Carrier frequency separation**Test Result**

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.988	≥ 0.801	PASS
2DH5	Ant1	Hop	1.158	≥ 0.856	PASS
3DH5	Ant1	Hop	0.998	≥ 0.888	PASS

Test Graphs

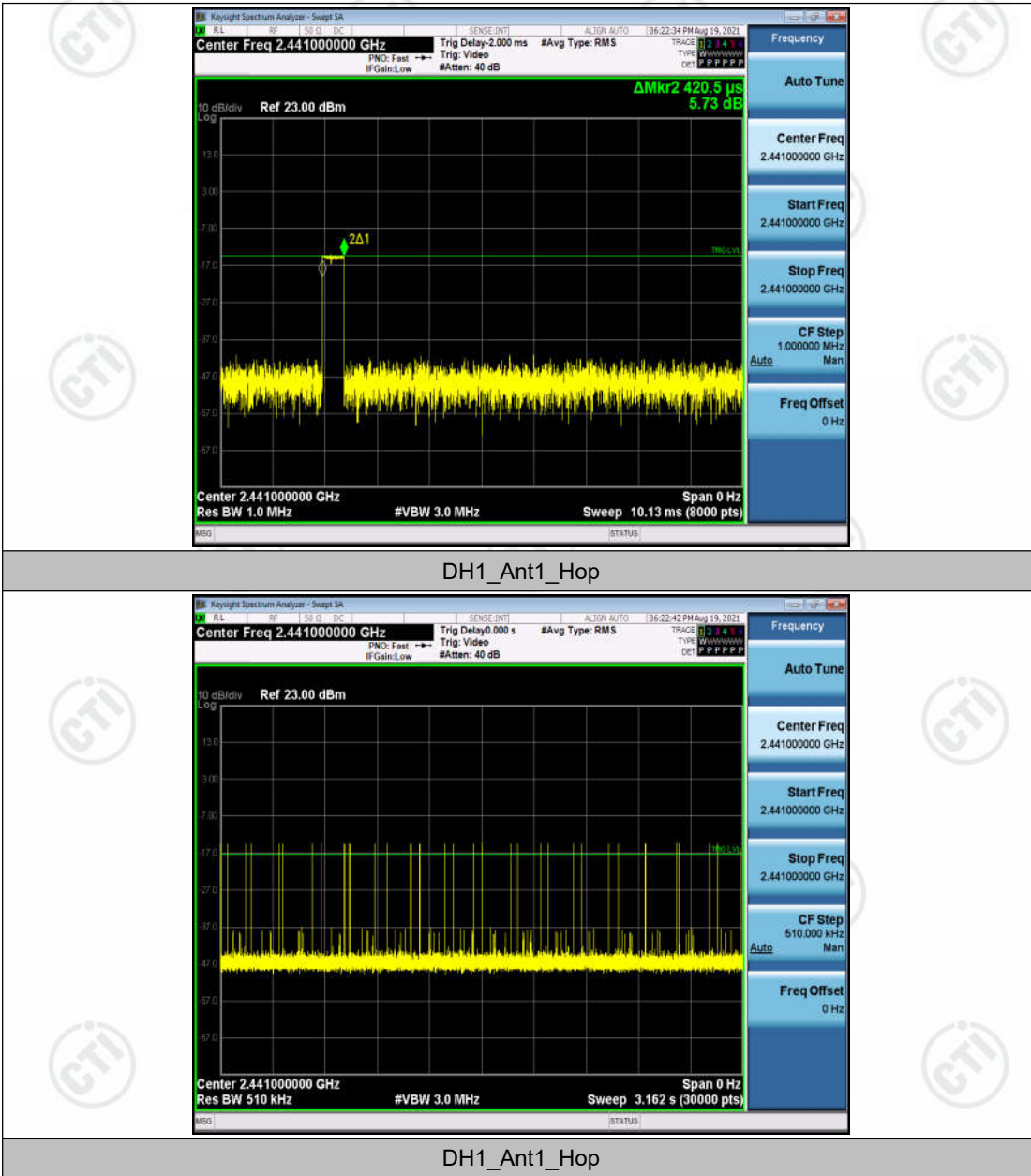


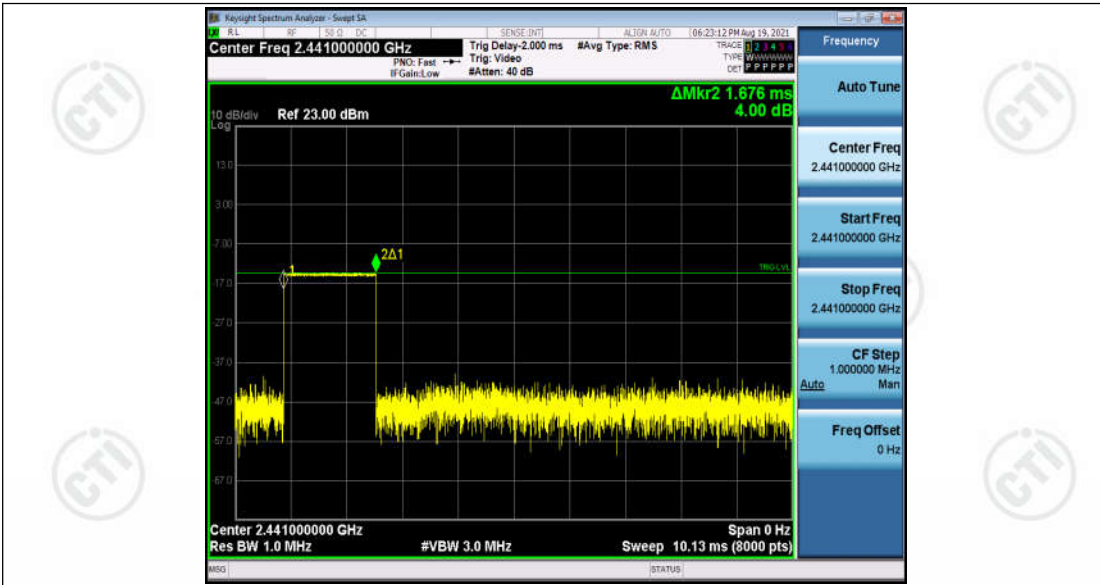


Appendix E: Time of occupancy**Test Result**

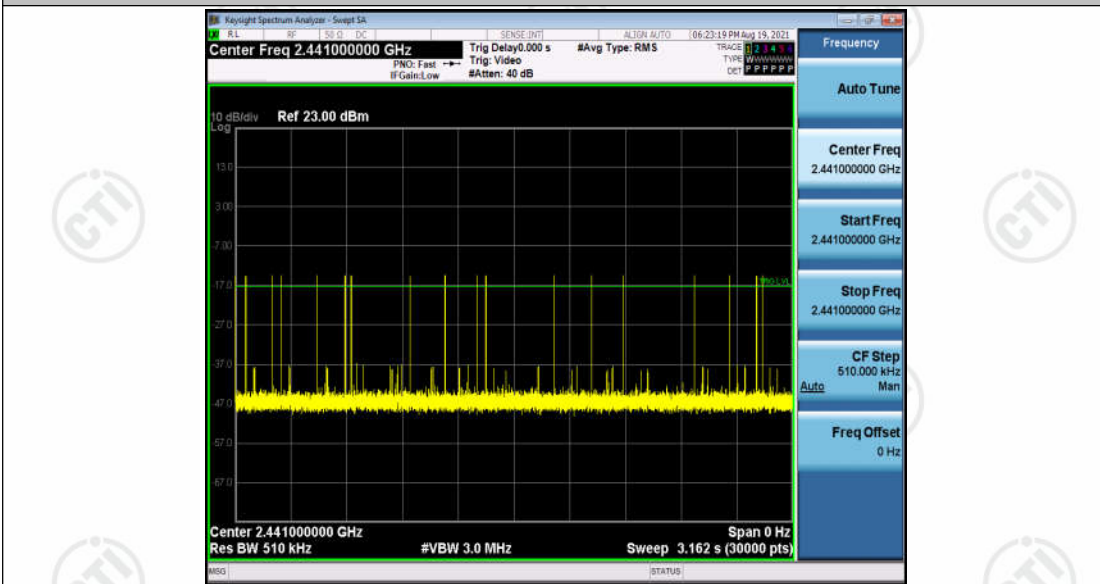
Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.42	330	0.139	<=0.4	PASS
DH3	Ant1	Hop	1.68	180	0.302	<=0.4	PASS
DH5	Ant1	Hop	2.92	80	0.234	<=0.4	PASS
2DH1	Ant1	Hop	0.43	330	0.142	<=0.4	PASS
2DH3	Ant1	Hop	1.68	190	0.32	<=0.4	PASS
2DH5	Ant1	Hop	2.93	120	0.352	<=0.4	PASS
3DH1	Ant1	Hop	0.43	320	0.138	<=0.4	PASS
3DH3	Ant1	Hop	1.68	160	0.269	<=0.4	PASS
3DH5	Ant1	Hop	2.93	80	0.235	<=0.4	PASS

Test Graphs

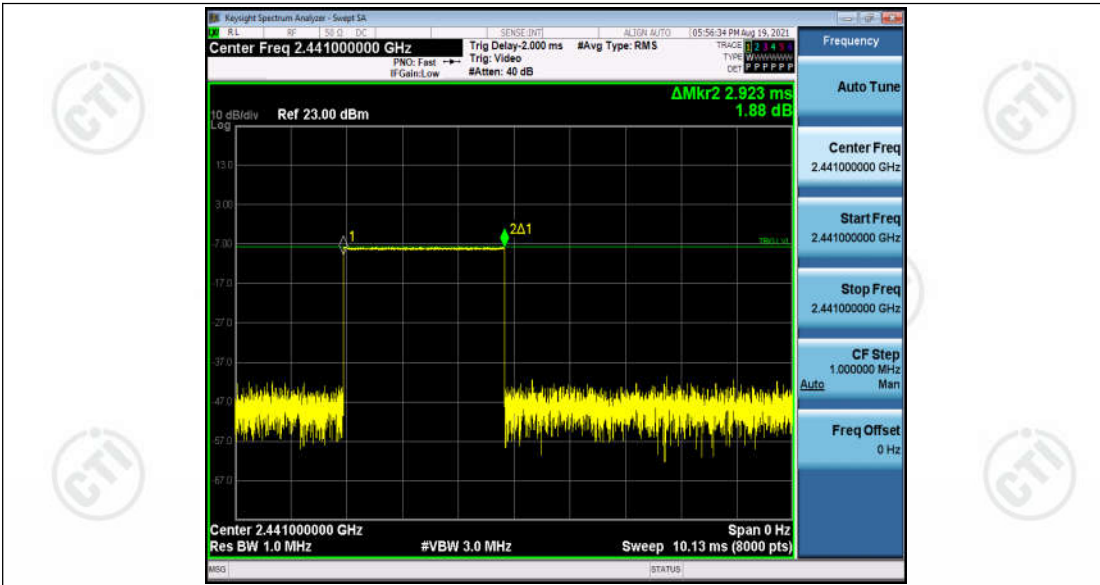




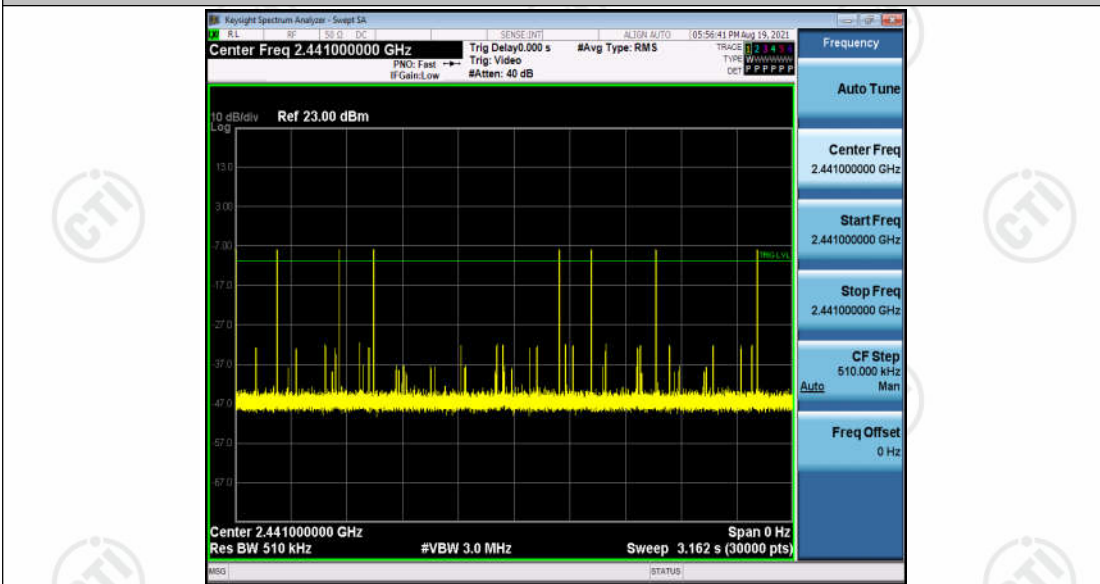
DH3_Ant1_Hop



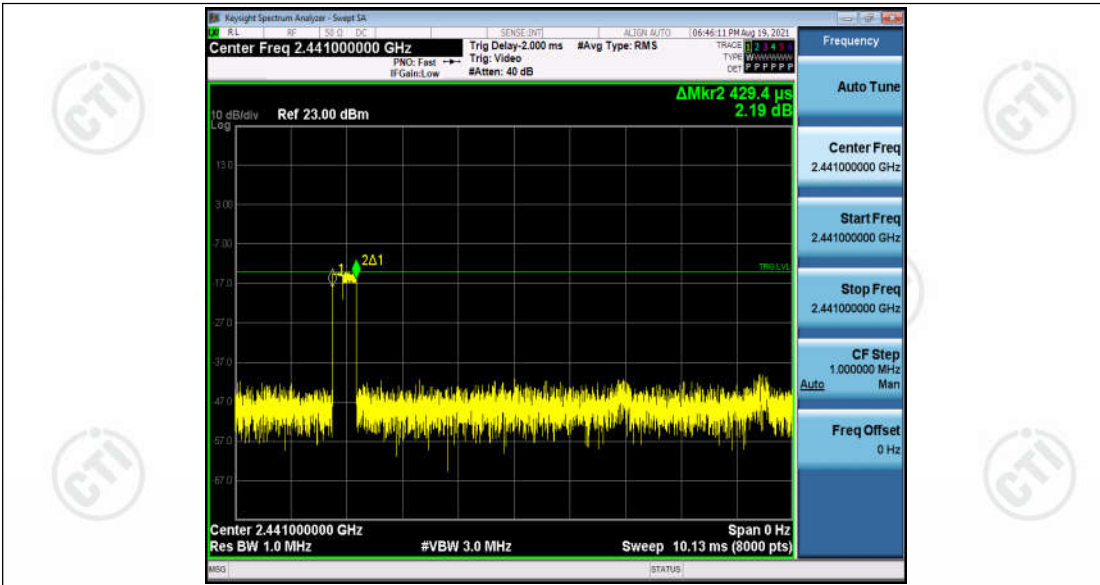
DH3_Ant1_Hop



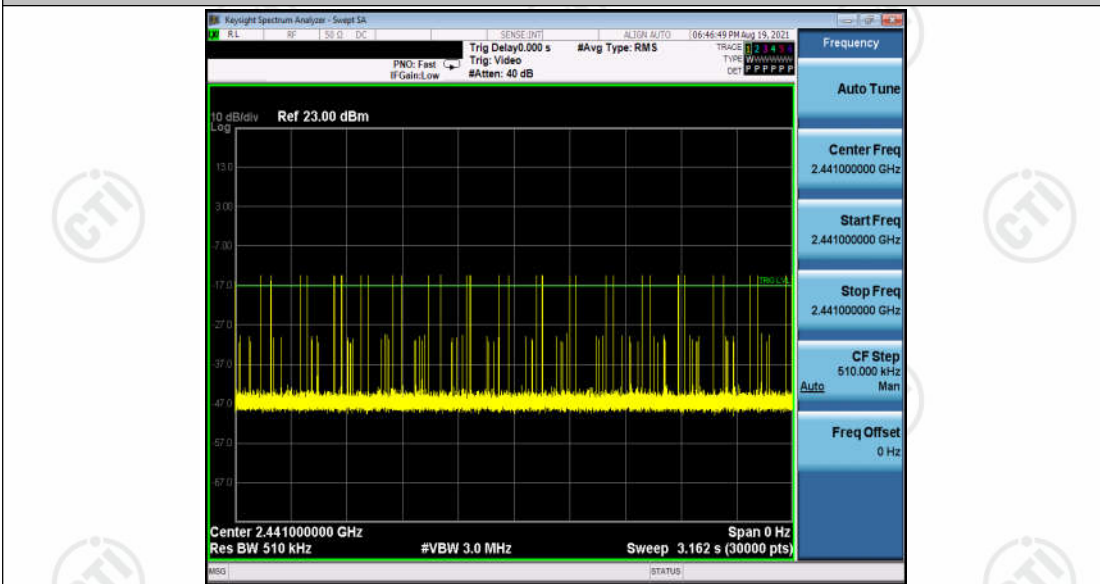
DH5_Ant1_Hop



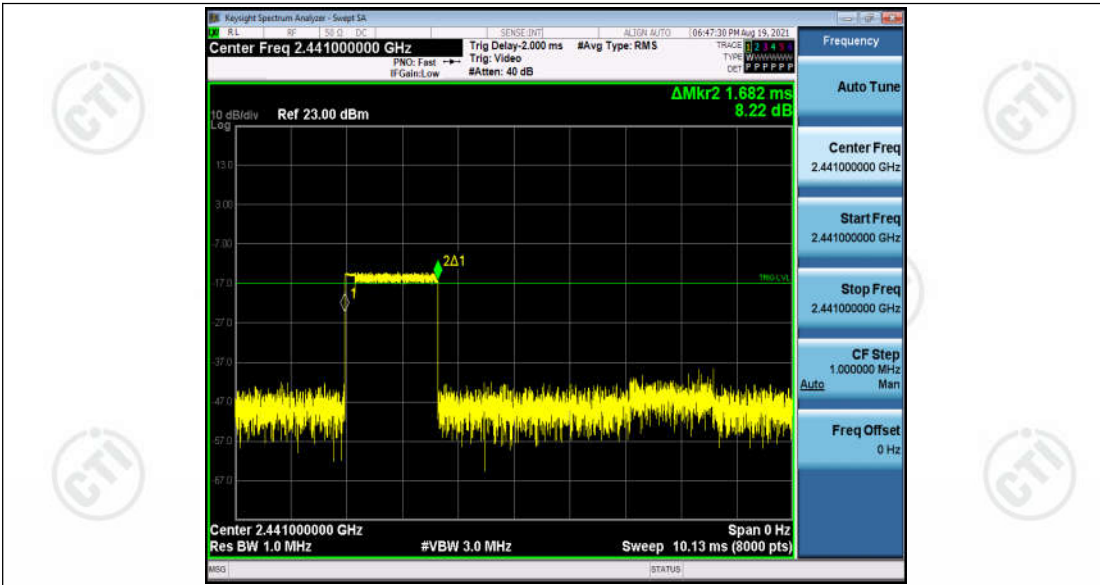
DH5_Ant1_Hop



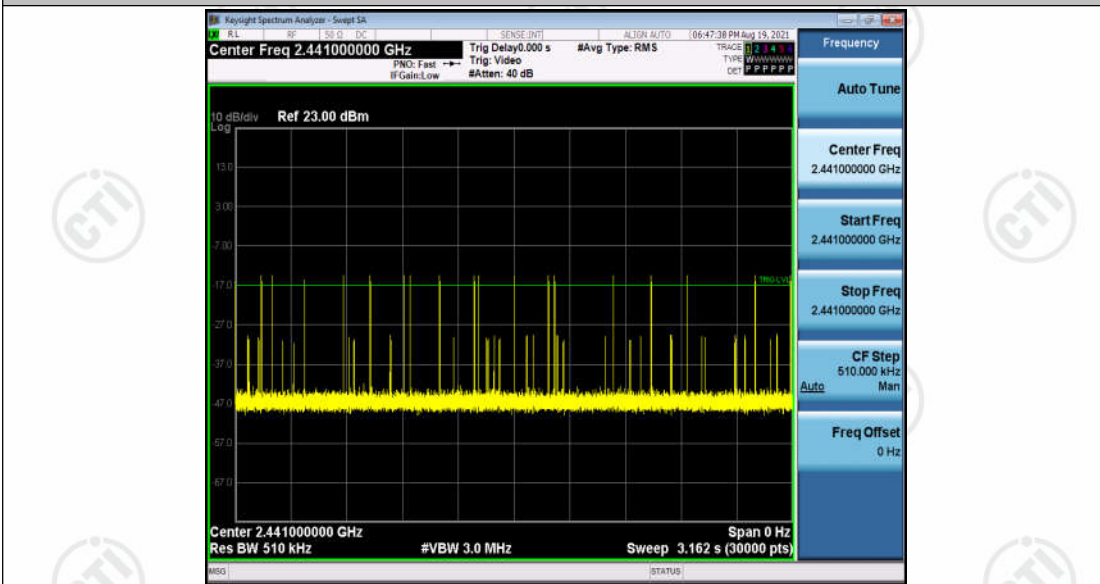
2DH1_Ant1_Hop



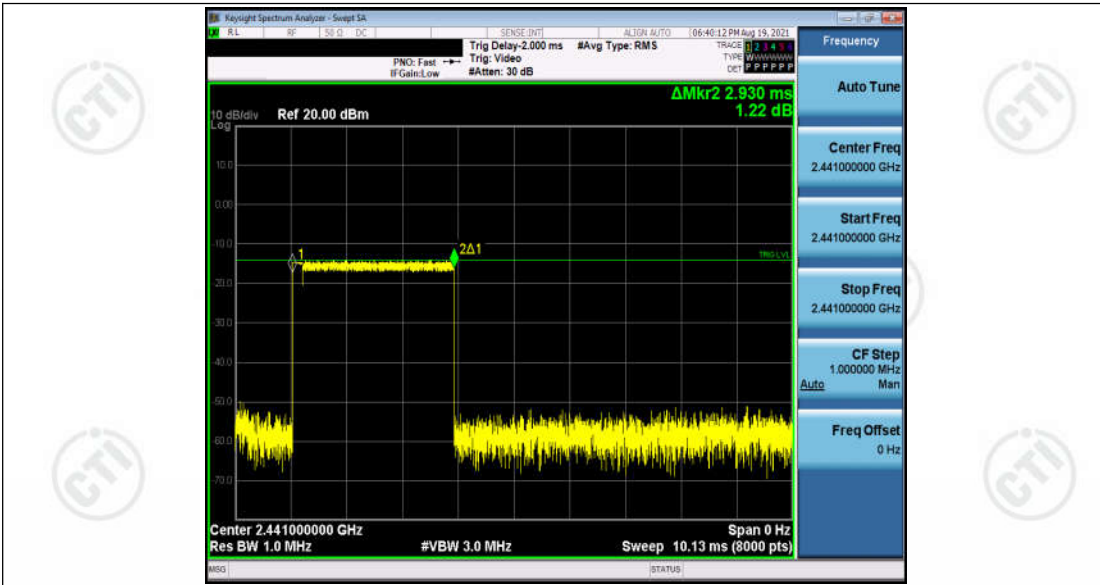
2DH1_Ant1_Hop



2DH3_Ant1_Hop



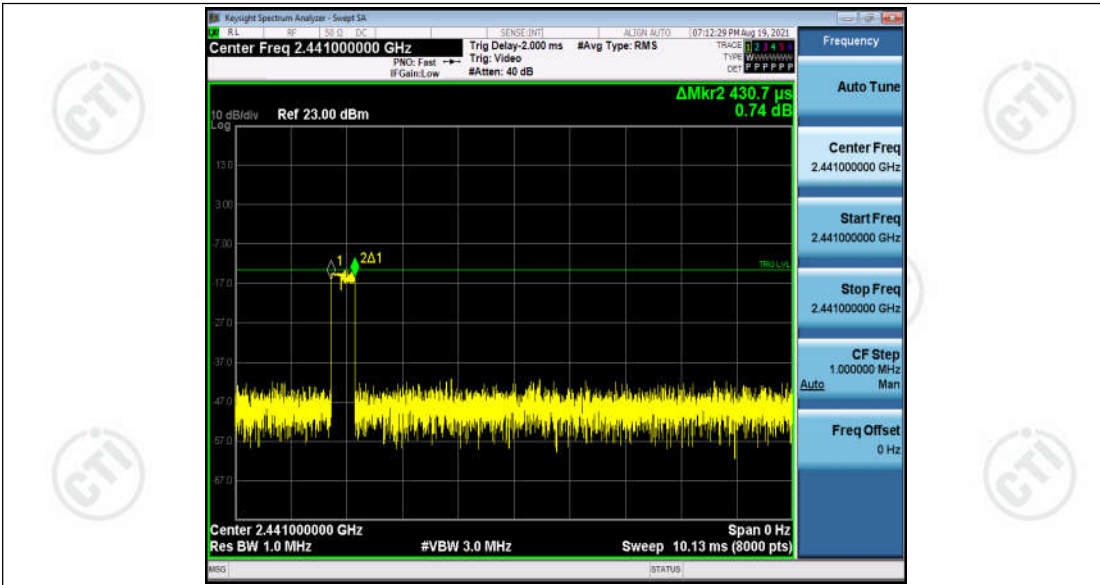
2DH3_Ant1_Hop



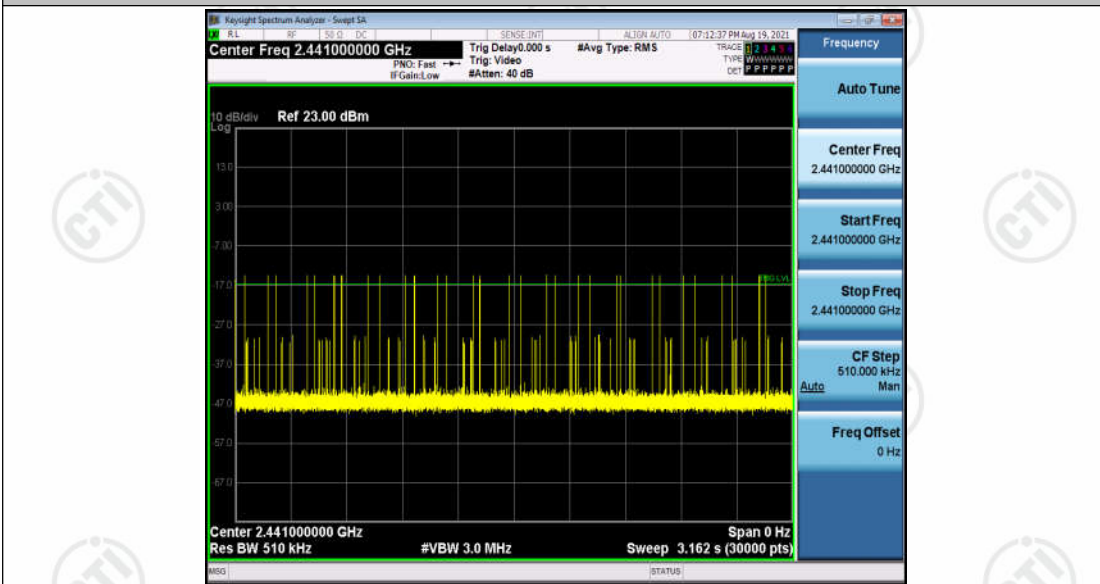
2DH5_Ant1_Hop



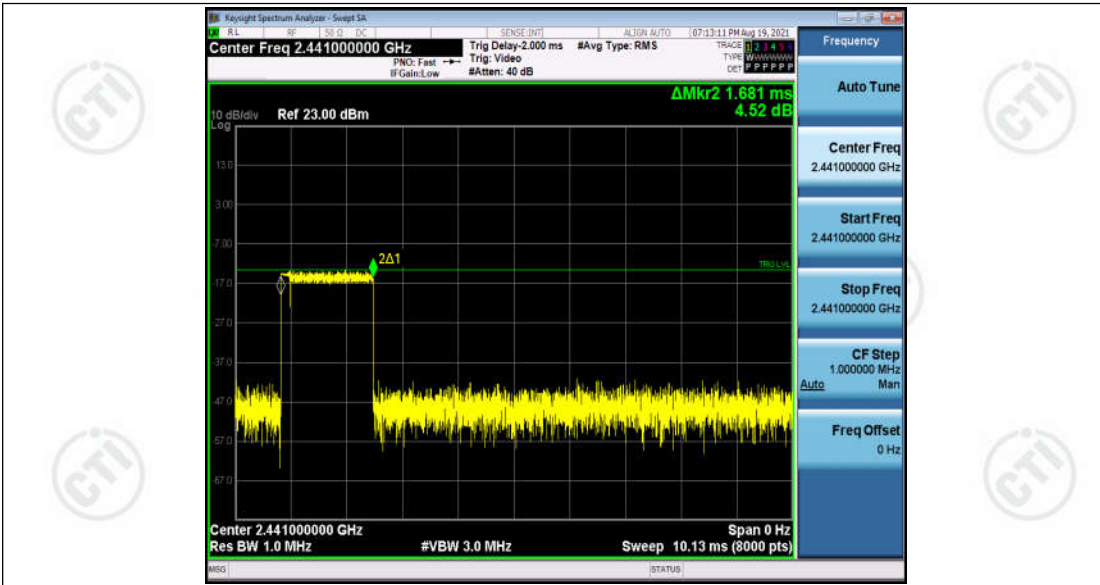
2DH5_Ant1_Hop



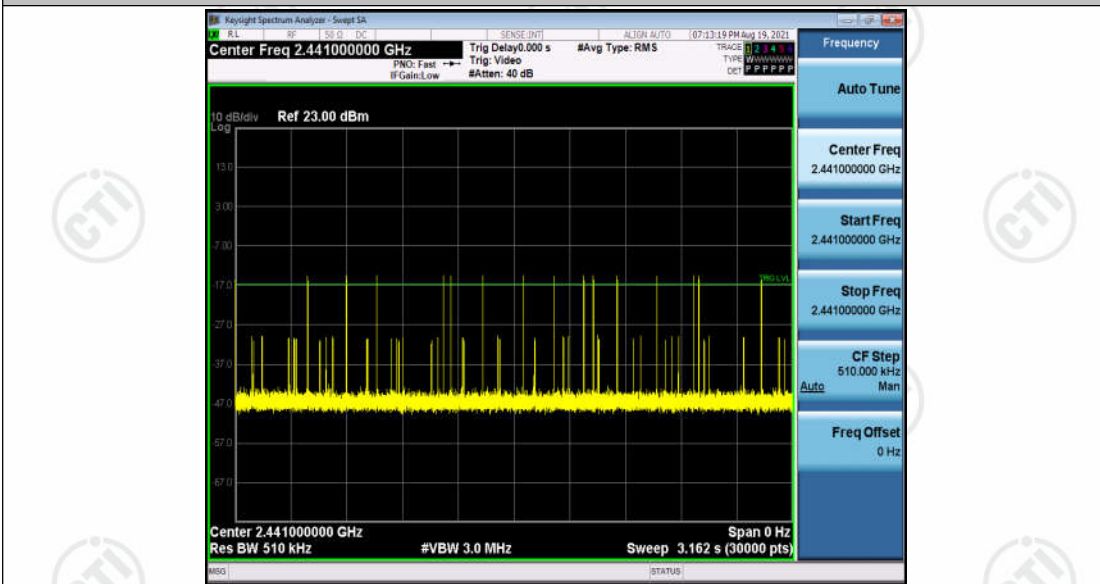
3DH1_Ant1_Hop



3DH1_Ant1_Hop



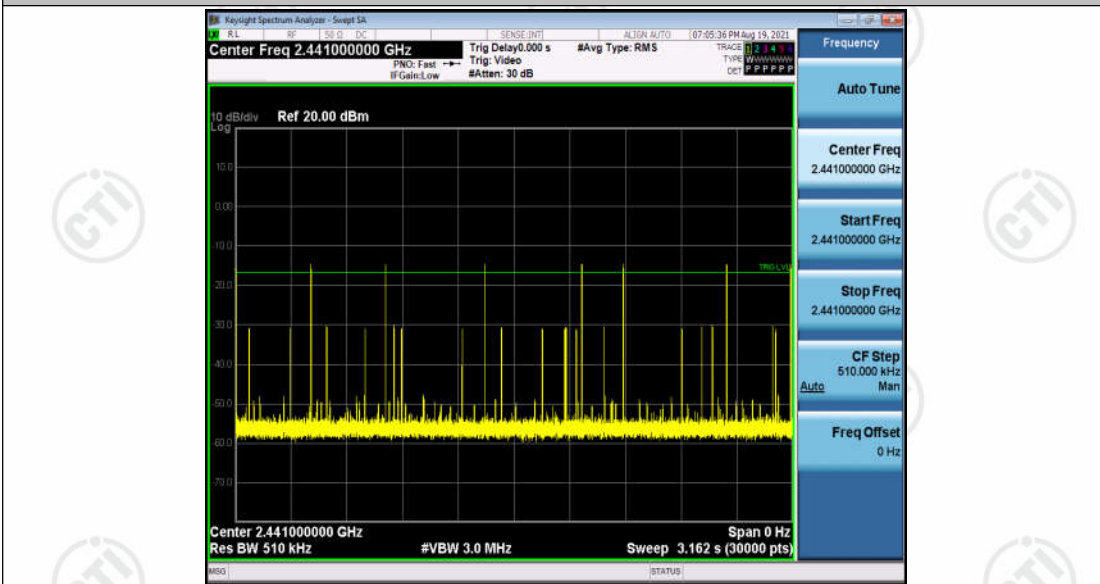
3DH3_Ant1_Hop



3DH3_Ant1_Hop



3DH5_Ant1_Hop

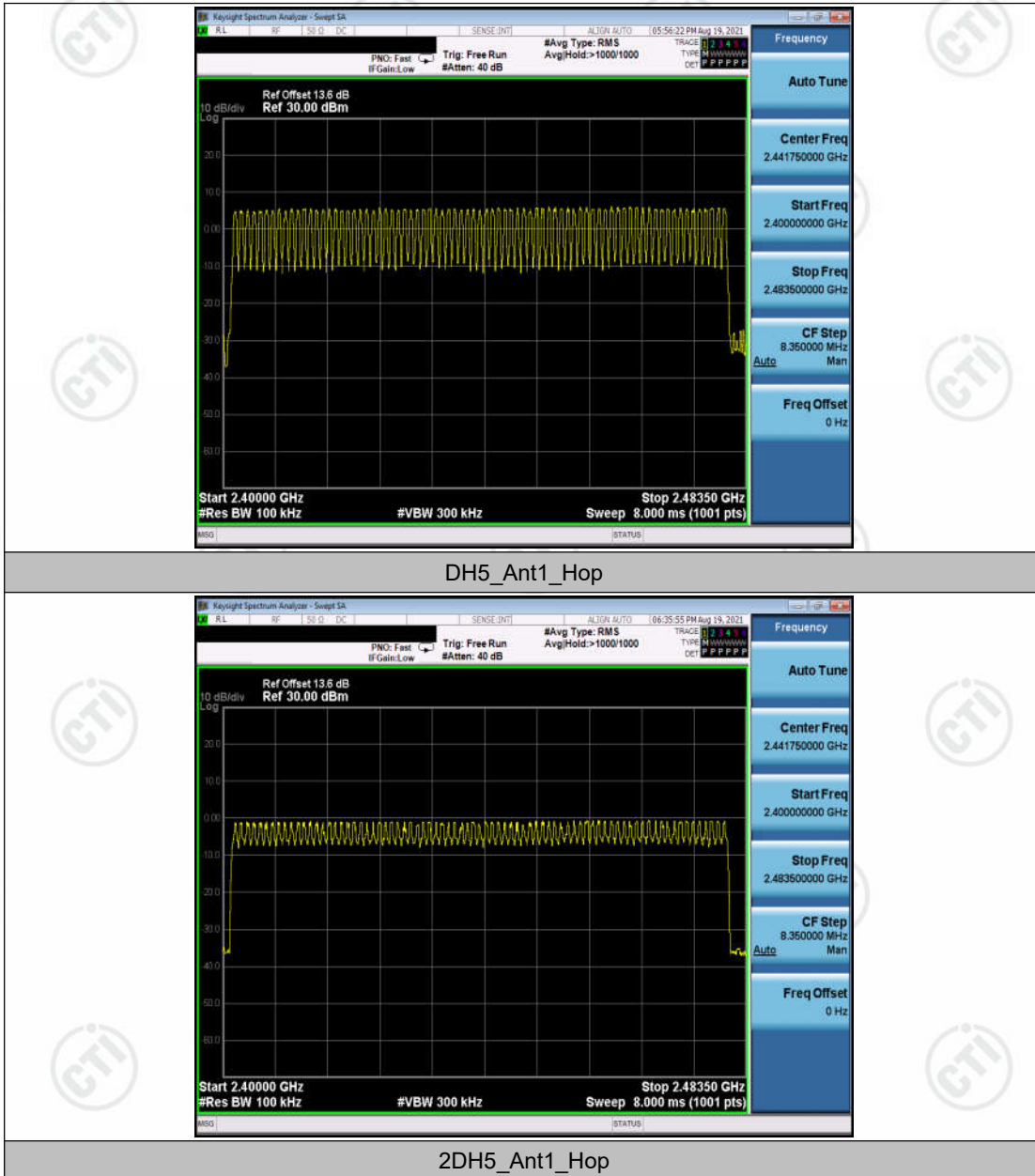


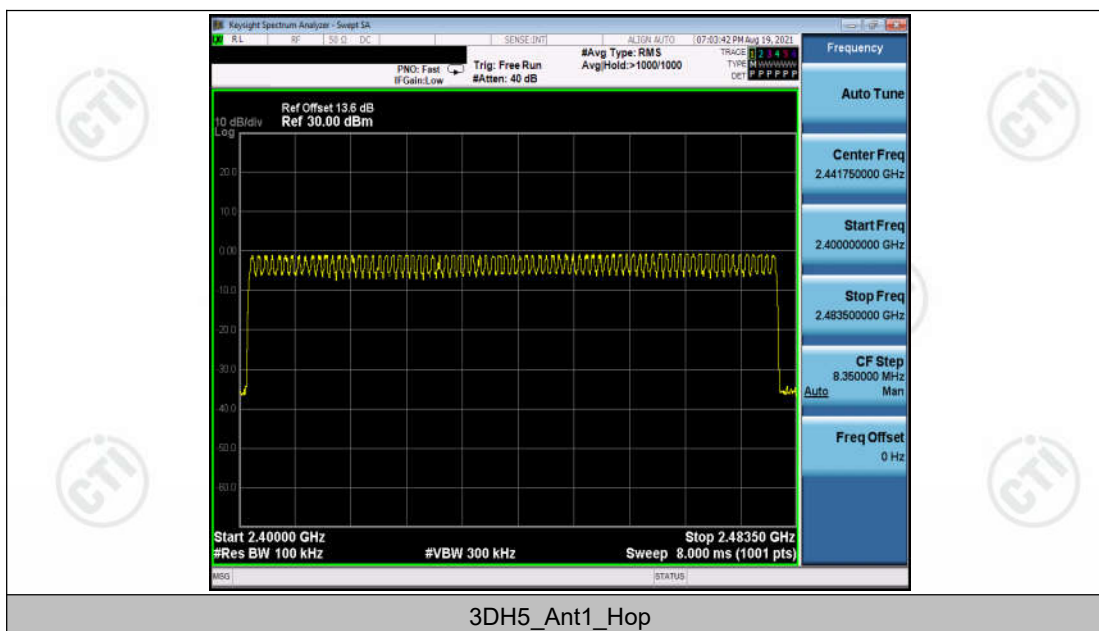
3DH5_Ant1_Hop

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



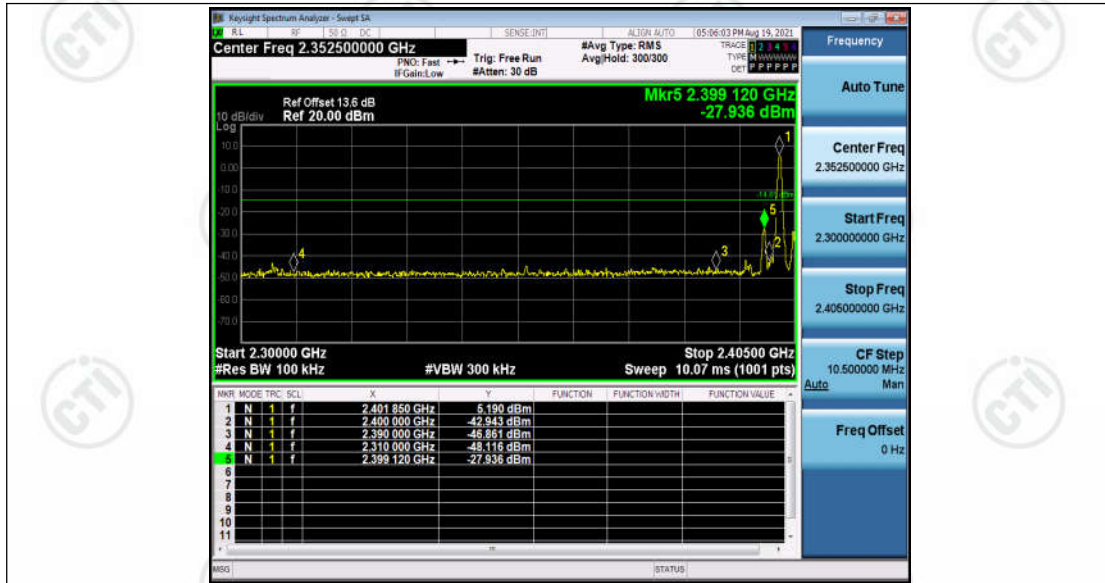


Appendix G: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.19	-27.94	<=-14.81	PASS
		High	2480	5.54	-29.99	<=-14.46	PASS
		Low	Hop_2402	5.26	-42.15	<=-14.74	PASS
		High	Hop_2480	5.81	-41.19	<=-14.19	PASS
2DH5	Ant1	Low	2402	5.19	-27.85	<=-14.81	PASS
		High	2480	5.74	-33.93	<=-14.26	PASS
		Low	Hop_2402	-1.34	-44.83	<=-21.34	PASS
		High	Hop_2480	-0.79	-44.37	<=-20.79	PASS
3DH5	Ant1	Low	2402	5.26	-28.19	<=-14.74	PASS
		High	2480	5.74	-28.74	<=-14.26	PASS
		Low	Hop_2402	-1.28	-45.04	<=-21.28	PASS
		High	Hop_2480	-0.83	-44.24	<=-20.83	PASS

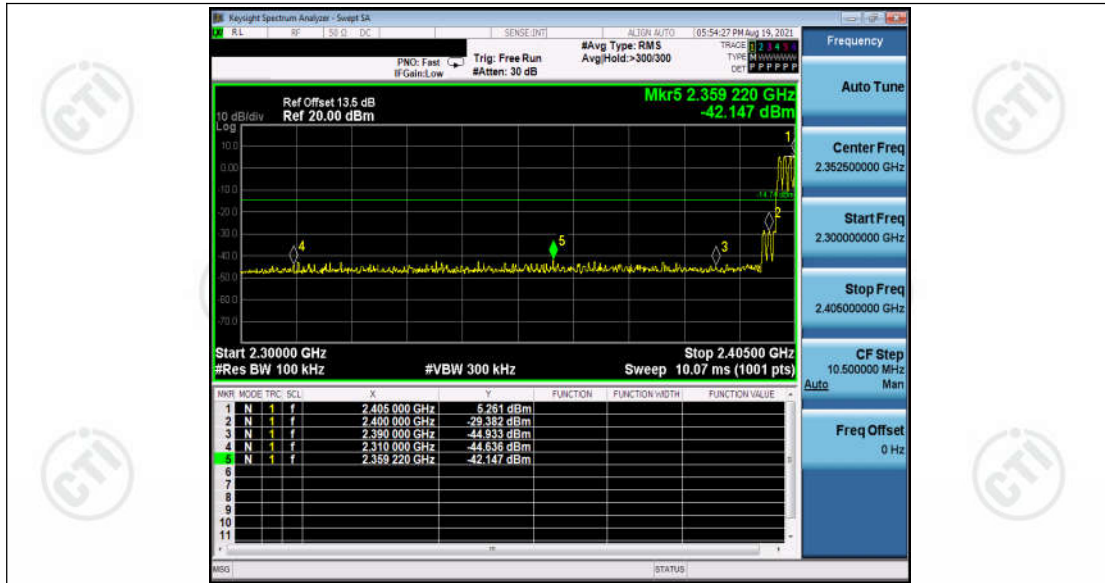
Test Graphs



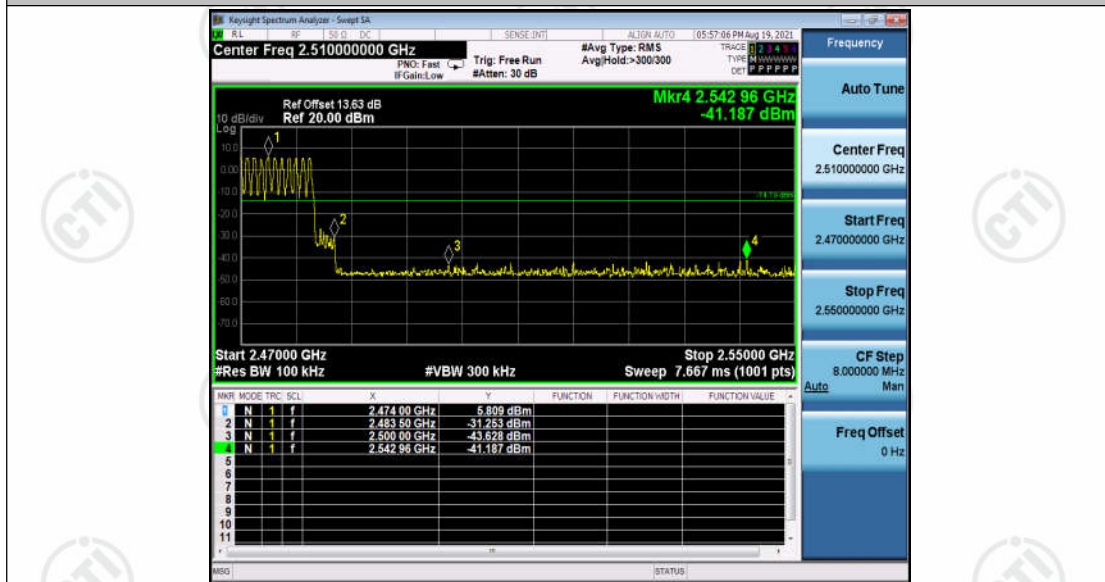
DH5_Ant1_Low_2402



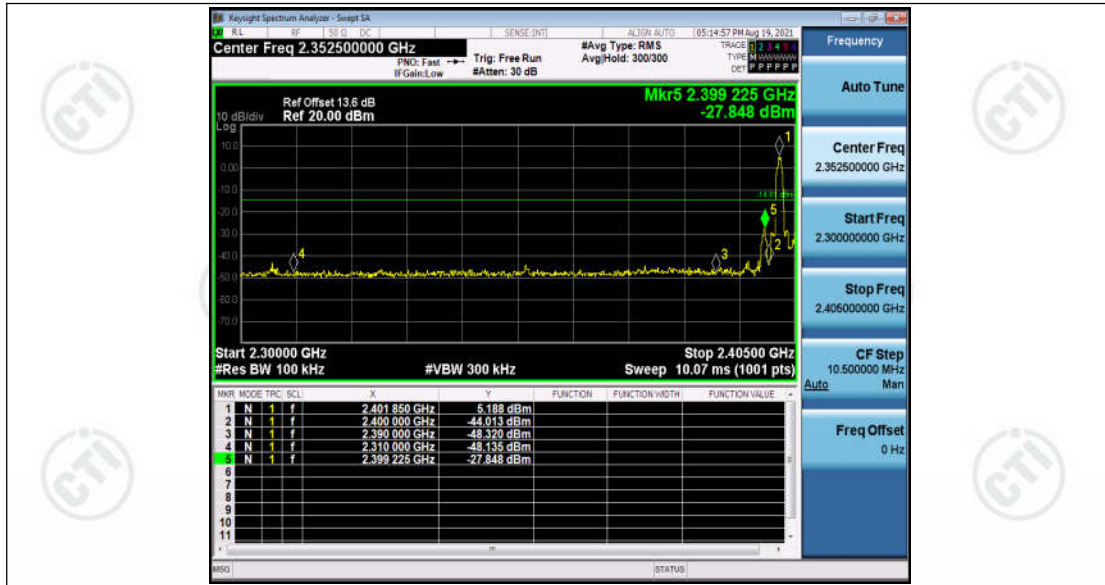
DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



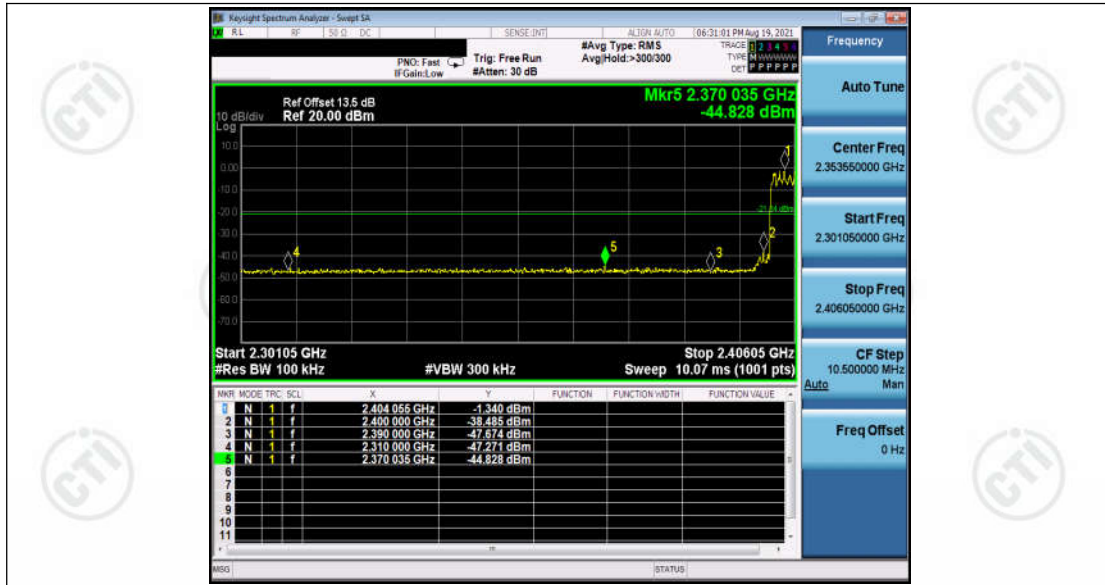
DH5_Ant1_High_Hop_2480



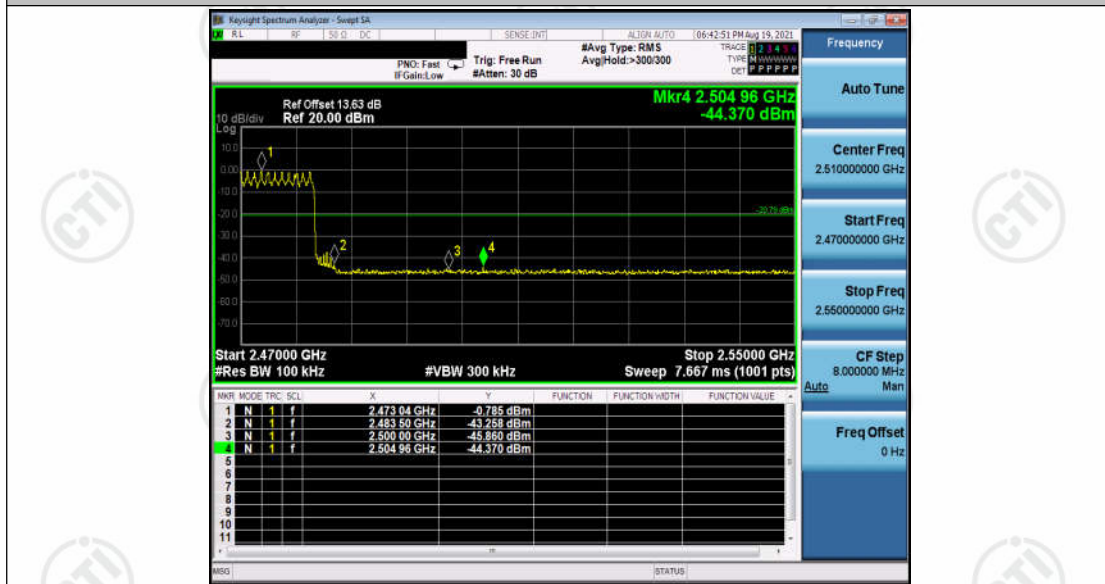
2DH5_Ant1_Low_2402



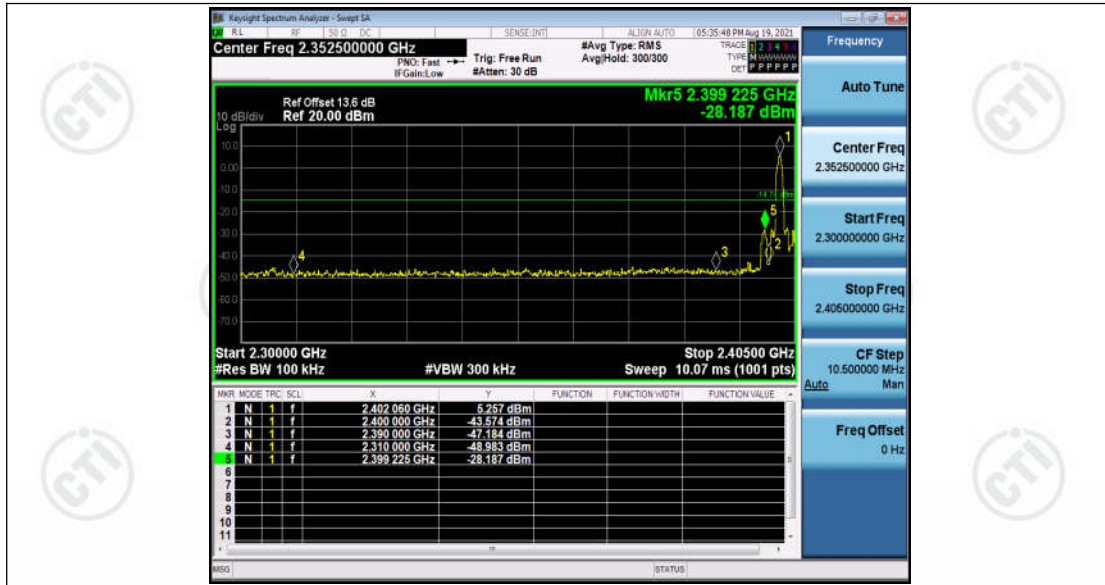
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



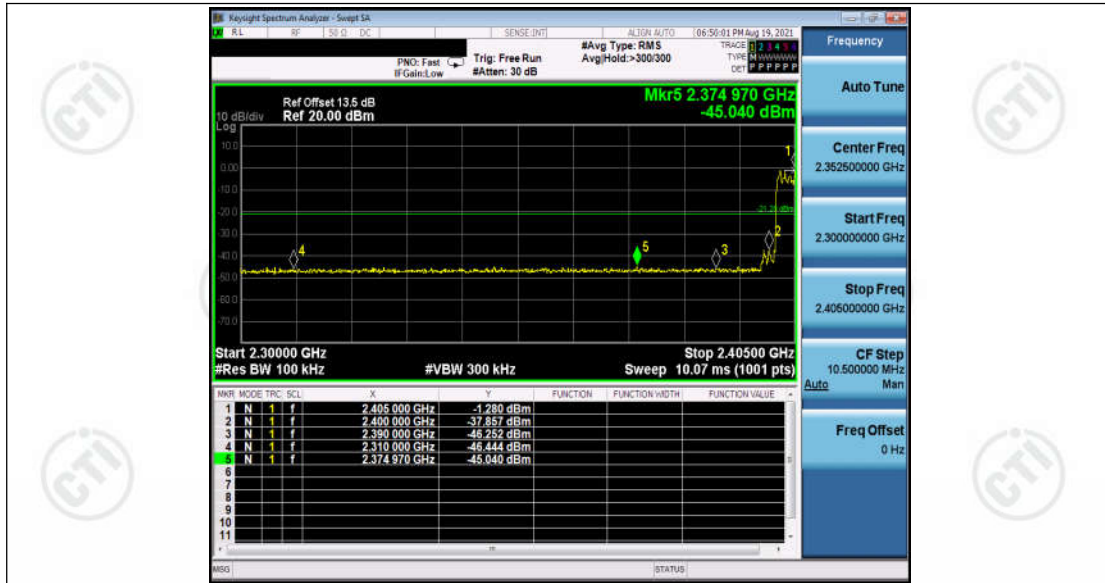
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

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	5.13	5.13	---	PASS
			30~1000	30~1000	-49.905	<=-14.869	PASS
			1000~26500	1000~26500	-41.173	<=-14.869	PASS
		2441	Reference	5.45	5.45	---	PASS
			30~1000	30~1000	-52.398	<=-14.552	PASS
			1000~26500	1000~26500	-39.521	<=-14.552	PASS
		2480	Reference	5.55	5.55	---	PASS
			30~1000	30~1000	-56.578	<=-14.448	PASS
			1000~26500	1000~26500	-39.698	<=-14.448	PASS
2DH5	Ant1	2402	Reference	5.15	5.15	---	PASS
			30~1000	30~1000	-57.238	<=-14.855	PASS
			1000~26500	1000~26500	-40.756	<=-14.855	PASS
		2441	Reference	5.53	5.53	---	PASS
			30~1000	30~1000	-49.866	<=-14.471	PASS
			1000~26500	1000~26500	-42.949	<=-14.471	PASS
		2480	Reference	5.42	5.42	---	PASS
			30~1000	30~1000	-53.543	<=-14.584	PASS
			1000~26500	1000~26500	-41.993	<=-14.584	PASS
3DH5	Ant1	2402	Reference	5.25	5.25	---	PASS
			30~1000	30~1000	-55.704	<=-14.749	PASS
			1000~26500	1000~26500	-44.783	<=-14.749	PASS
		2441	Reference	5.21	5.21	---	PASS
			30~1000	30~1000	-46.626	<=-14.791	PASS
			1000~26500	1000~26500	-41.926	<=-14.791	PASS
		2480	Reference	5.73	5.73	---	PASS
			30~1000	30~1000	-54.206	<=-14.27	PASS
			1000~26500	1000~26500	-40.858	<=-14.27	PASS

Test Graphs

