

Annex for FCC Bluetooth BR&EDR

Test Report No. :CTL2211015011-WF

Appendix A: 20dB Emission Bandwidth**Test Result**

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.538	2402.489	---	PASS
		2441	0.954	2440.535	2441.489	---	PASS
		2480	0.954	2479.535	2480.489	---	PASS
2DH5	Ant1	2402	1.287	2401.367	2402.654	---	PASS
		2441	1.293	2440.364	2441.657	---	PASS
		2480	1.287	2479.367	2480.654	---	PASS
3DH5	Ant1	2402	1.269	2401.364	2402.633	---	PASS
		2441	1.269	2440.361	2441.630	---	PASS
		2480	1.269	2479.358	2480.627	---	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

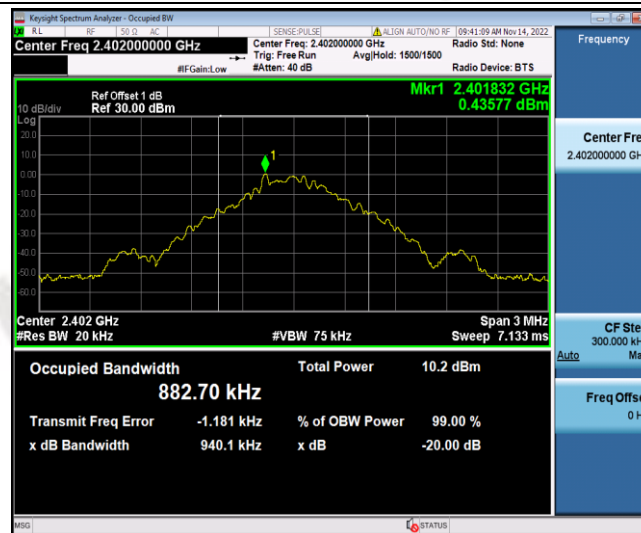


3DH5_Ant1_2480

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

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88270	2401.557	2402.440	---	PASS
		2441	0.88329	2440.557	2441.440	---	PASS
		2480	0.88365	2479.557	2480.441	---	PASS
2DH5	Ant1	2402	1.1811	2401.415	2402.596	---	PASS
		2441	1.1806	2440.416	2441.596	---	PASS
		2480	1.1793	2479.415	2480.594	---	PASS
3DH5	Ant1	2402	1.1657	2401.423	2402.588	---	PASS
		2441	1.1668	2440.422	2441.589	---	PASS
		2480	1.1679	2479.420	2480.588	---	PASS

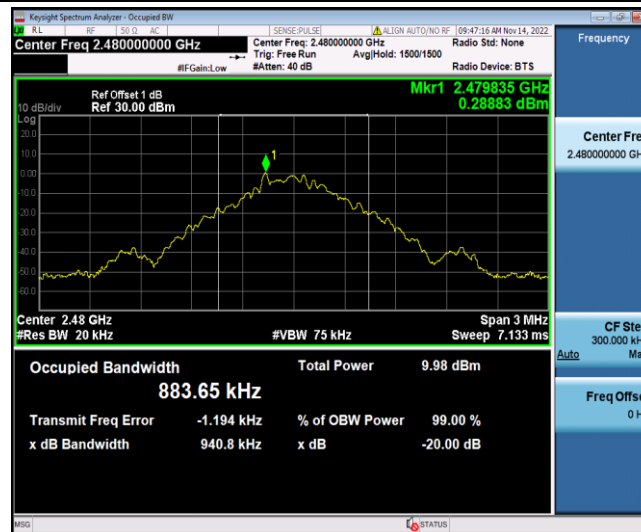
Test Graphs



DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



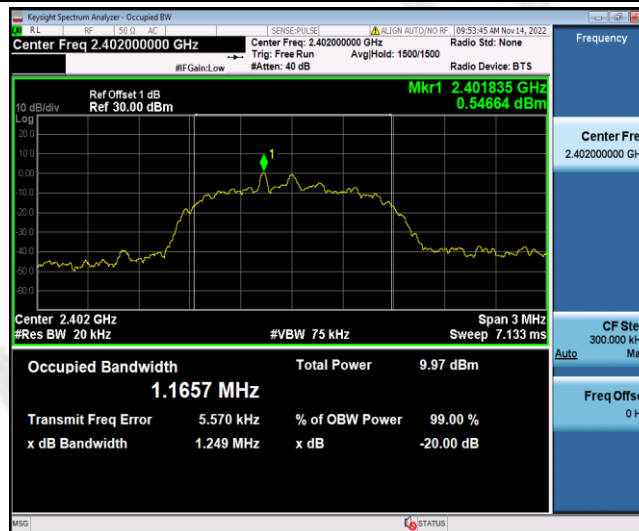
2DH5_Ant1_2402



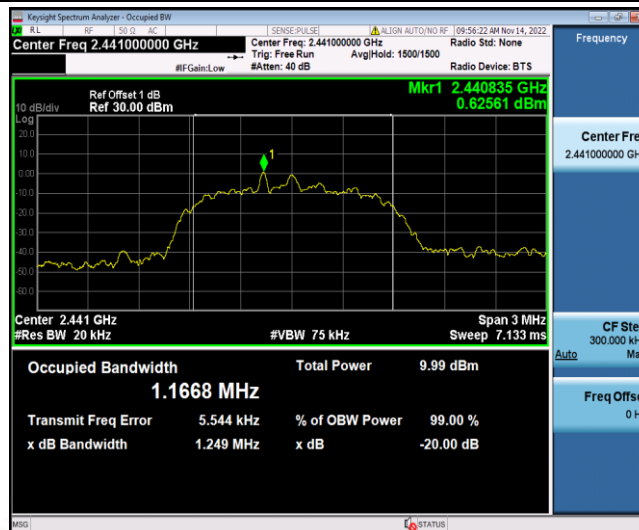
2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

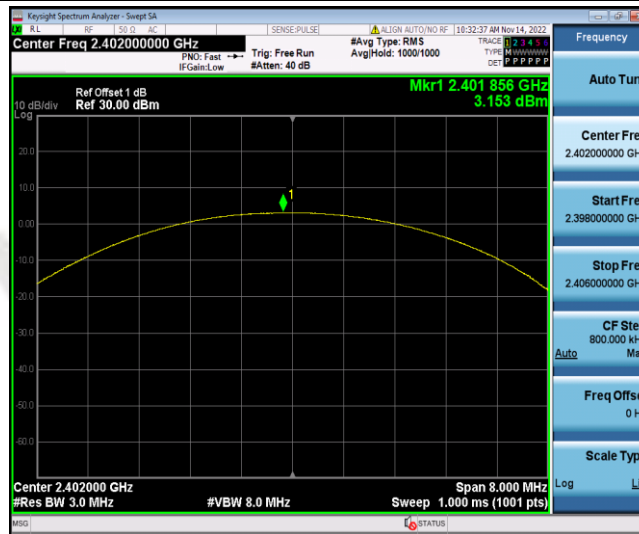


3DH5_Ant1_2480

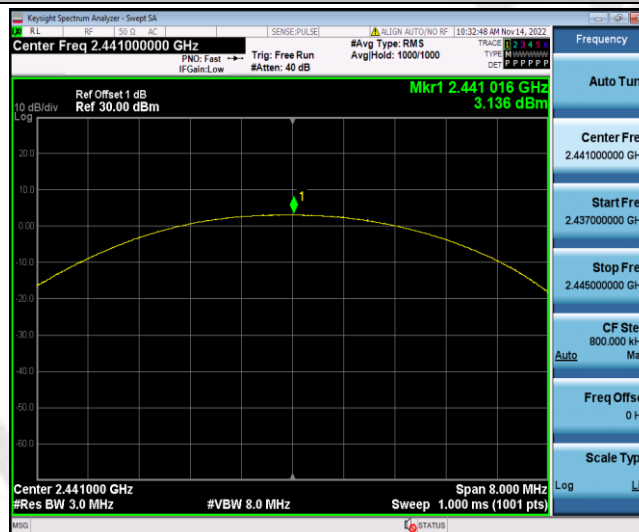
Appendix C: Maximum conducted output power**Test Result**

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.15	≤30	PASS
		2441	3.14	≤30	PASS
		2480	2.93	≤30	PASS
2DH5	Ant1	2402	3.68	≤20.97	PASS
		2441	3.63	≤20.97	PASS
		2480	3.51	≤20.97	PASS
3DH5	Ant1	2402	3.99	≤20.97	PASS
		2441	3.99	≤20.97	PASS
		2480	3.8	≤20.97	PASS

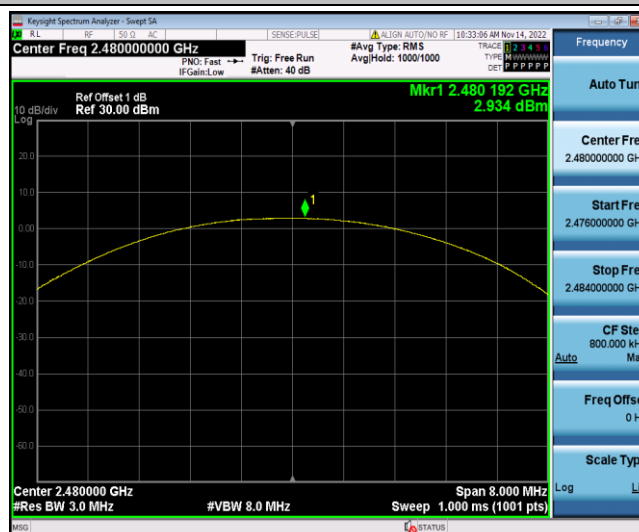
Test Graphs



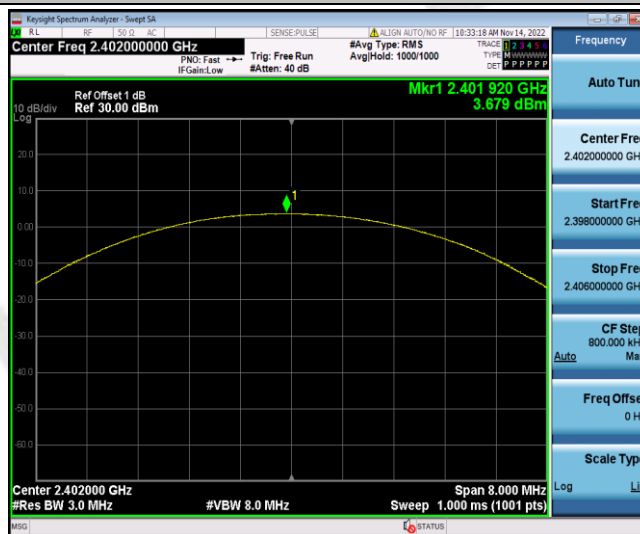
DH5_Ant1_2402



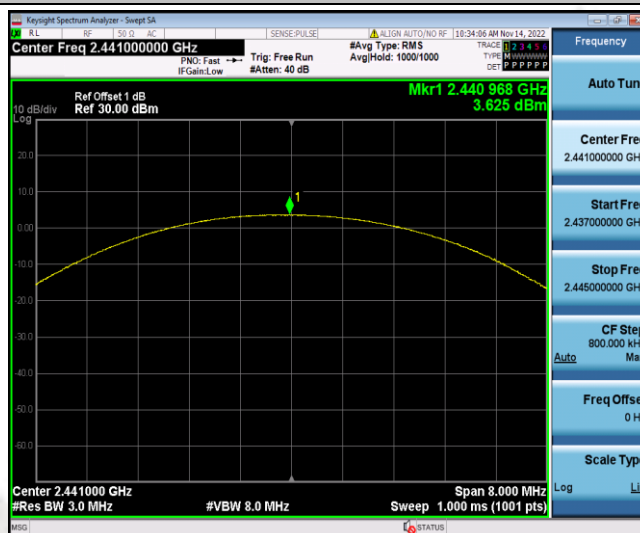
DH5_Ant1_2441



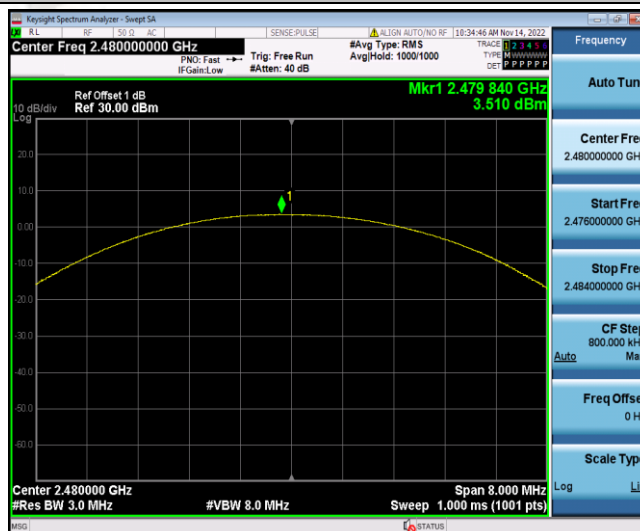
DH5_Ant1_2480



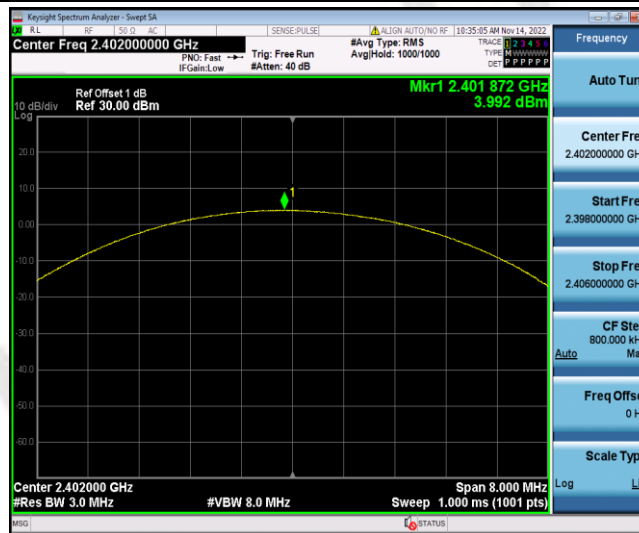
2DH5_Ant1_2402



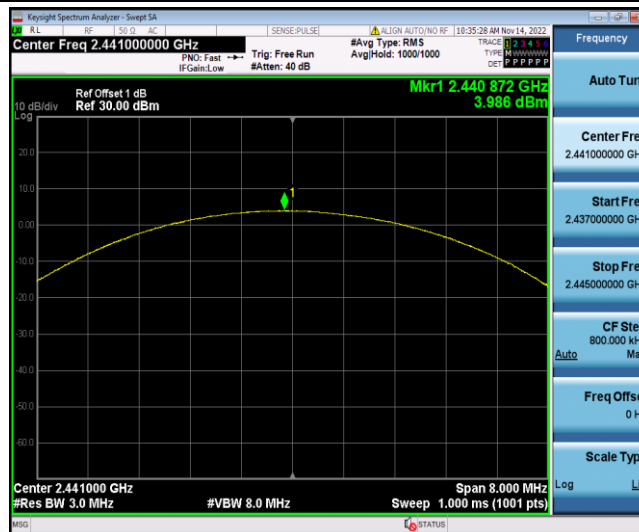
2DH5_Ant1_2441



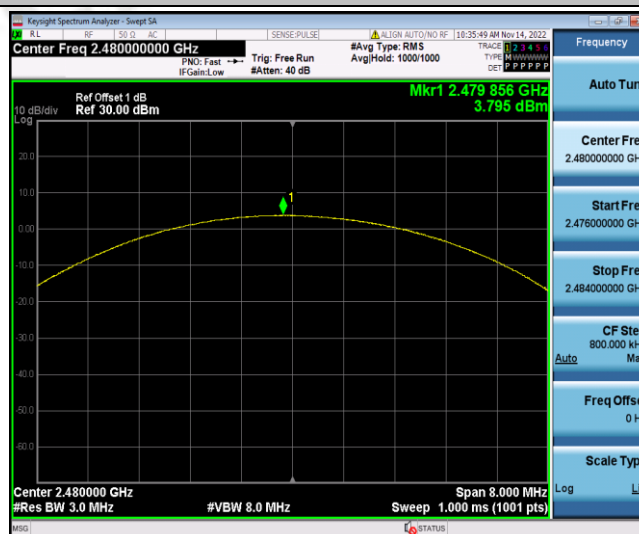
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.002	≥ 0.636	PASS
2DH5	Ant1	Hop	1.004	≥ 0.862	PASS
3DH5	Ant1	Hop	1.004	≥ 0.846	PASS

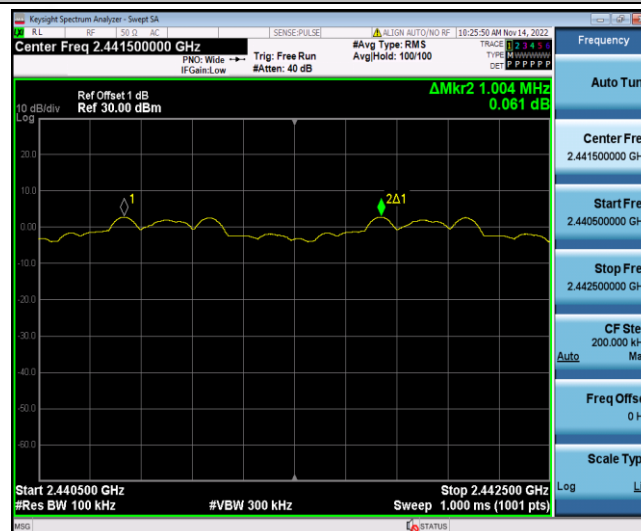
Test Graphs



DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

Appendix E: Time of occupancy

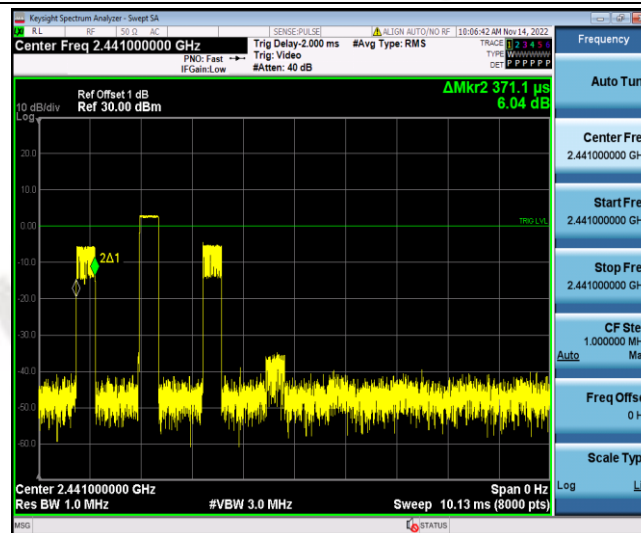
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.62	170	0.275	≤0.4	PASS
DH5	Ant1	Hop	2.87	110	0.315	≤0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.63	170	0.277	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
3DH1	Ant1	Hop	0.38	330	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.63	170	0.277	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

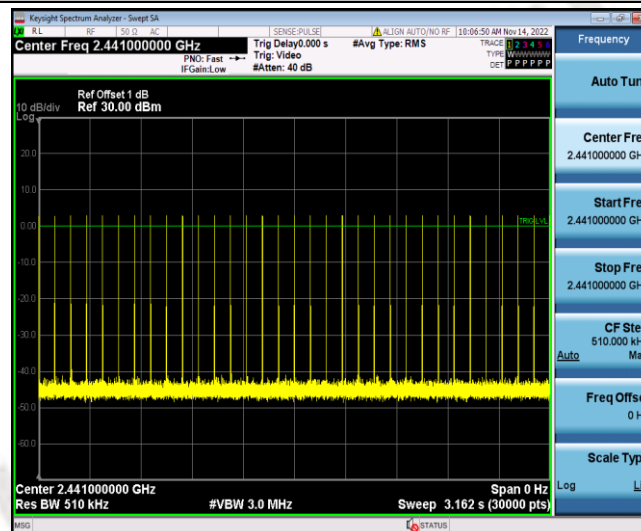
Note: (1) Dwell time=Pulse time (ms) × Total Pulse number s

(2) Total Pulse number= Pulse number in 3.16 s × 10

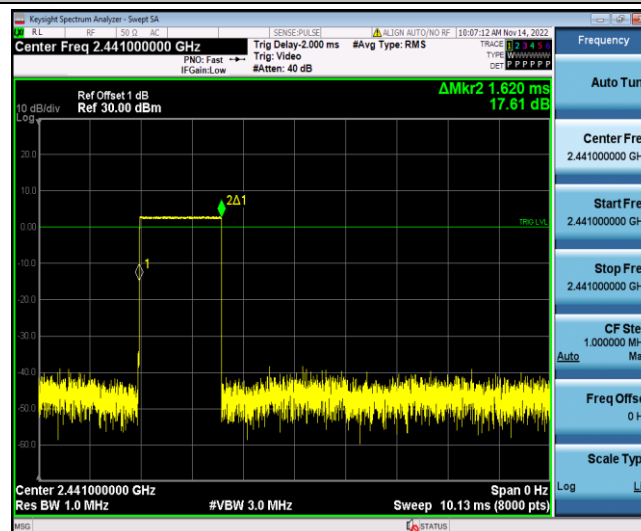
Test Graphs



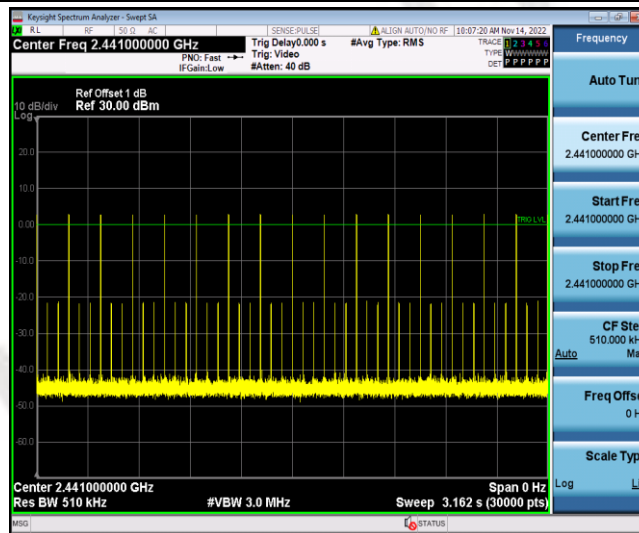
DH1_Ant1_Hop



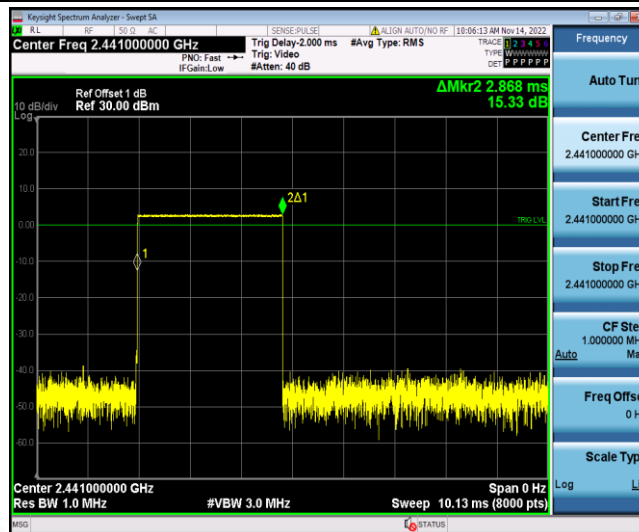
DH1_Ant1_Hop



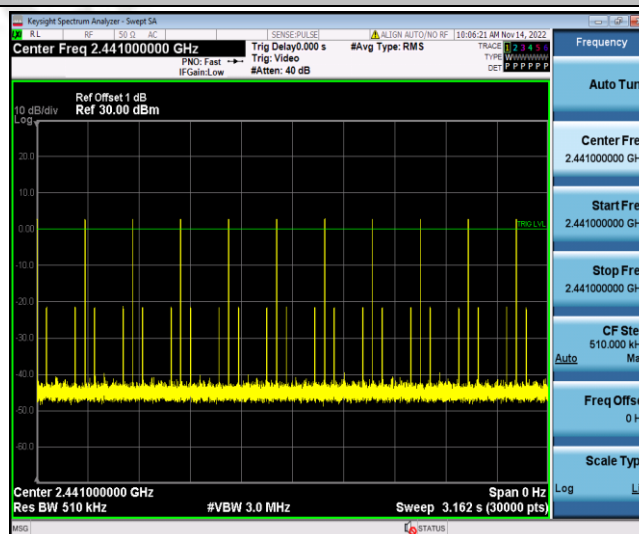
DH3_Ant1_Hop



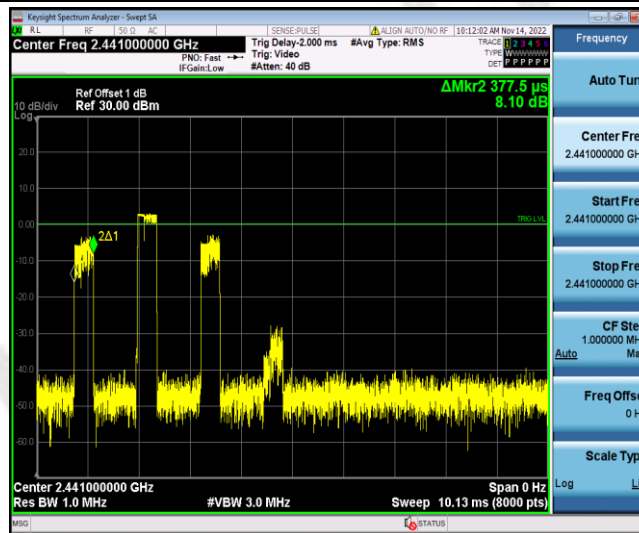
DH3_Ant1_Hop



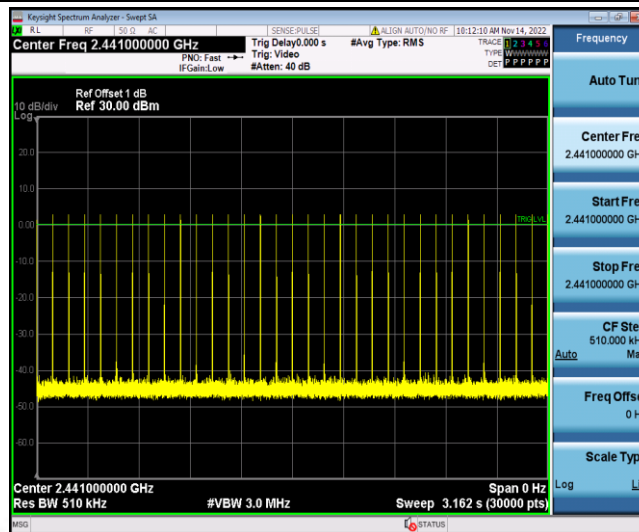
DH5_Ant1_Hop



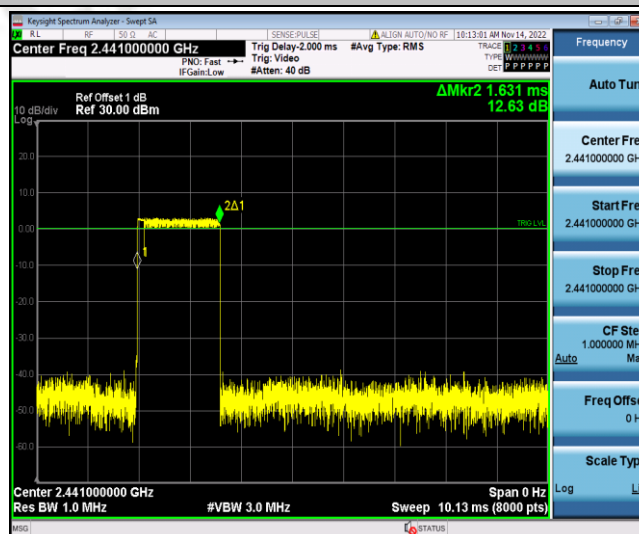
DH5_Ant1_Hop



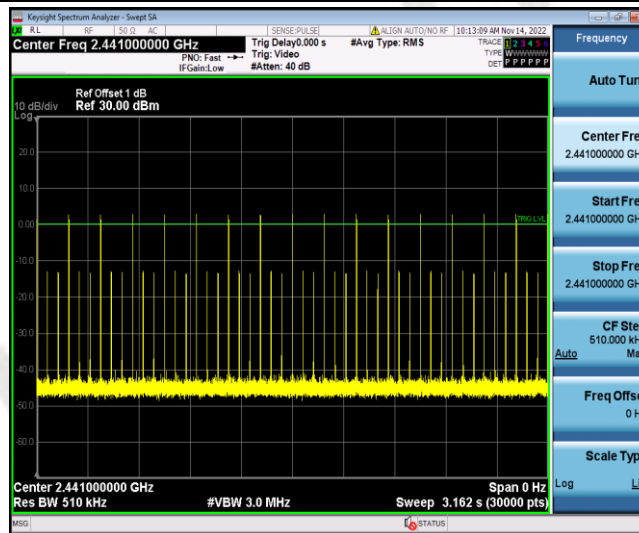
2DH1_Ant1_Hop



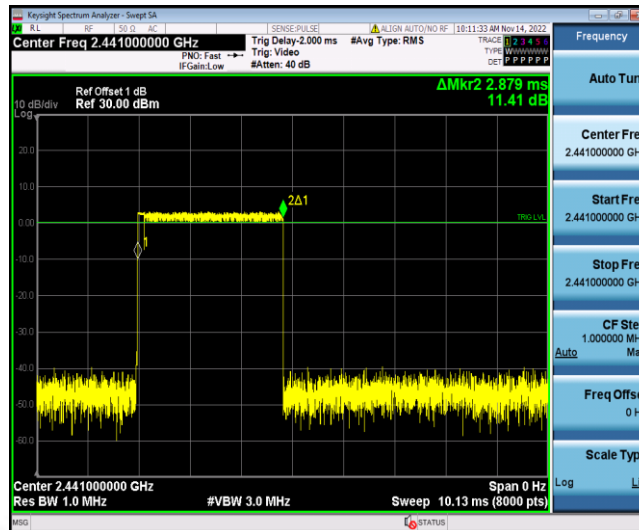
2DH1_Ant1_Hop



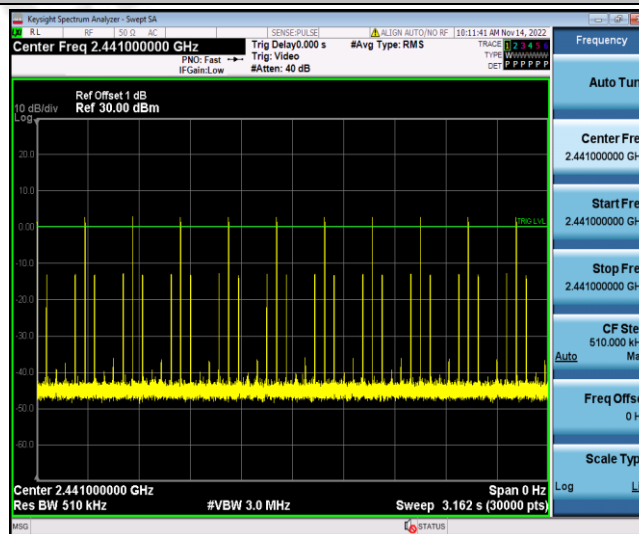
2DH3_Ant1_Hop



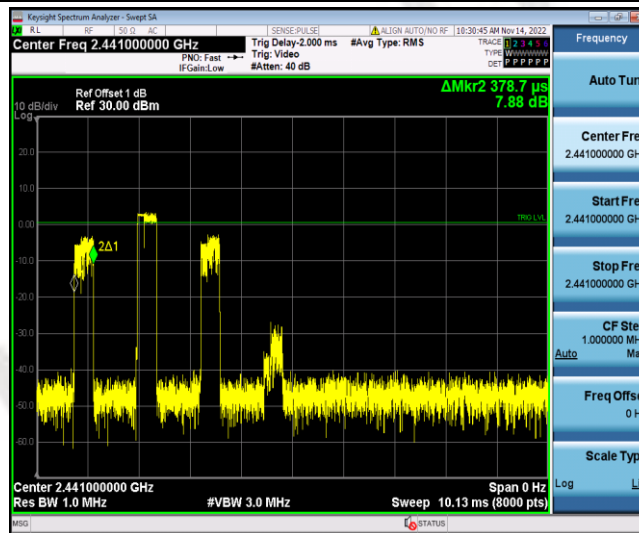
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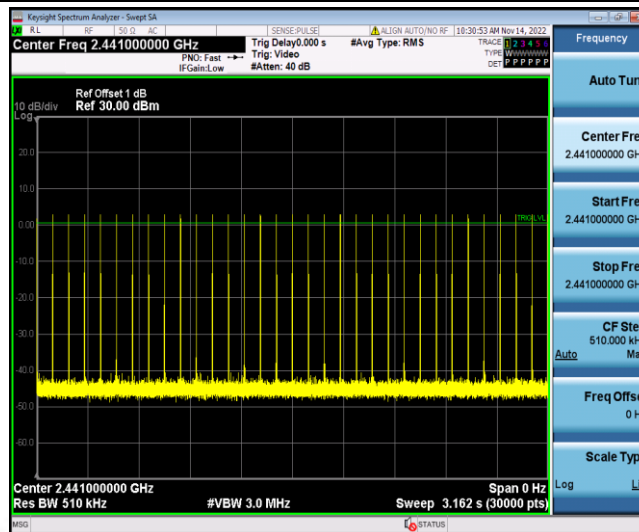
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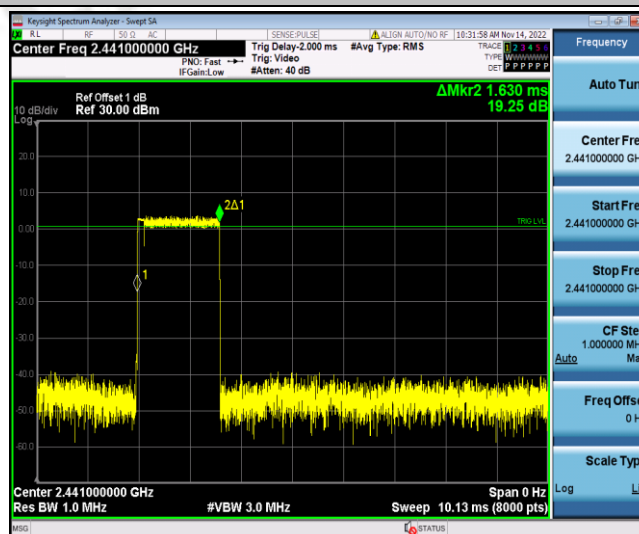
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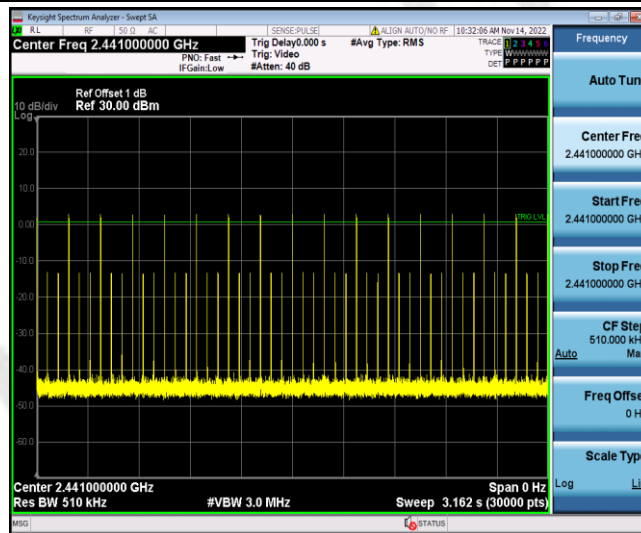
3DH1_Ant1_Hop



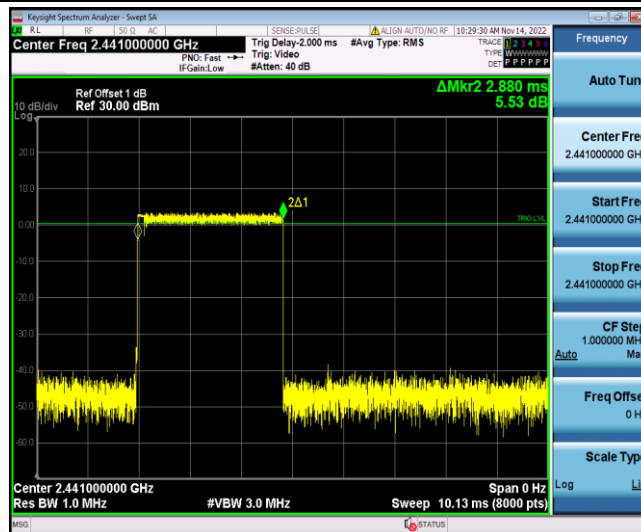
3DH1_Ant1_Hop



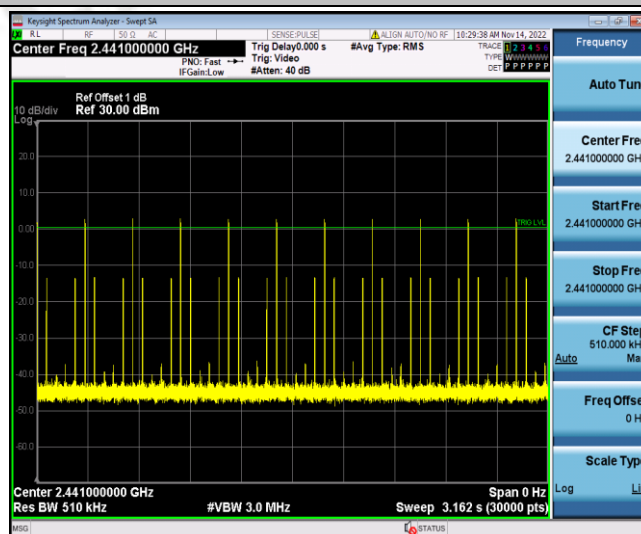
3DH3_Ant1_Hop



3DH3_Ant1_Hop



3DH5_Ant1_Hop



3DH5_Ant1_Hop