

Appendix for Bluetooth BR/EDR

Test Report No. :CTL2207213031-WF03

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.517	2402.474	---	PASS
	Ant2	2402	0.957	2401.514	2402.471	---	PASS
	Ant1	2441	0.957	2440.517	2441.474	---	PASS
	Ant2	2441	0.957	2440.514	2441.471	---	PASS
	Ant1	2480	0.957	2479.517	2480.474	---	PASS
	Ant2	2480	0.957	2479.514	2480.471	---	PASS
2DH5	Ant1	2402	1.329	2401.316	2402.645	---	PASS
	Ant2	2402	1.332	2401.313	2402.645	---	PASS
	Ant1	2441	1.329	2440.316	2441.645	---	PASS
	Ant2	2441	1.332	2440.313	2441.645	---	PASS
	Ant1	2480	1.332	2479.313	2480.645	---	PASS
	Ant2	2480	1.335	2479.310	2480.645	---	PASS
3DH5	Ant1	2402	1.302	2401.334	2402.636	---	PASS
	Ant2	2402	1.299	2401.334	2402.633	---	PASS
	Ant1	2441	1.302	2440.334	2441.636	---	PASS
	Ant2	2441	1.299	2440.334	2441.633	---	PASS
	Ant1	2480	1.299	2479.334	2480.633	---	PASS
	Ant2	2480	1.299	2479.331	2480.630	---	PASS

Test Graphs



DH5_Ant1_2402



DH5_Ant2_2402



DH5_Ant1_2441



DH5_Ant2_2441



DH5_Ant1_2480



DH5_Ant2_2480



2DH5_Ant1_2402



2DH5_Ant2_2402



2DH5_Ant1_2441



2DH5_Ant2_2441



2DH5_Ant1_2480



2DH5_Ant2_2480



3DH5_Ant1_2402



3DH5_Ant2_2402



3DH5_Ant1_2441



3DH5_Ant2_2441



3DH5_Ant1_2480



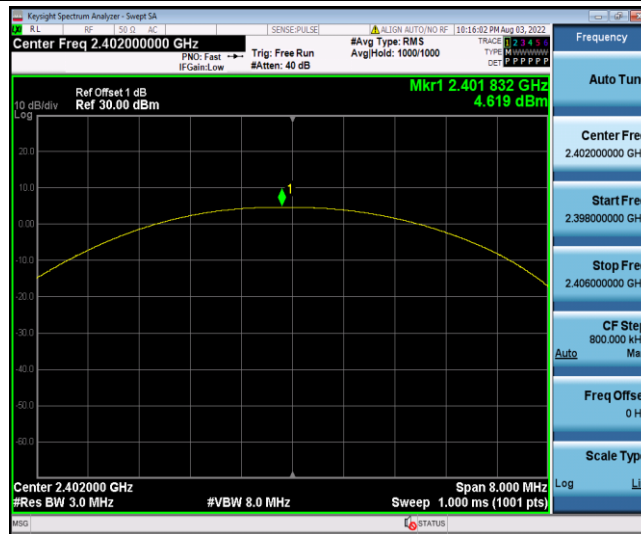
3DH5_Ant2_2480

Appendix B: Maximum conducted output power

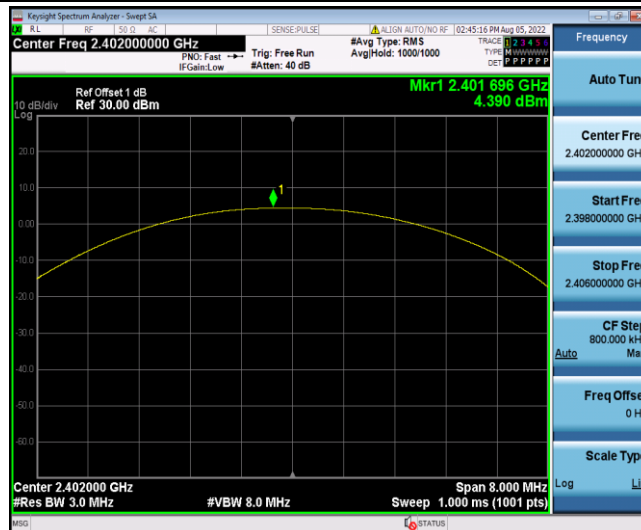
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	4.62	≤30	PASS
	Ant2	2402	4.39	≤30	PASS
	Ant1	2441	4.37	≤30	PASS
	Ant2	2441	4.13	≤30	PASS
	Ant1	2480	3.97	≤30	PASS
	Ant2	2480	3.68	≤30	PASS
2DH5	Ant1	2402	4.98	≤20.97	PASS
	Ant2	2402	4.81	≤20.97	PASS
	Ant1	2441	4.92	≤20.97	PASS
	Ant2	2441	4.81	≤20.97	PASS
	Ant1	2480	4.71	≤20.97	PASS
	Ant2	2480	4.64	≤20.97	PASS
3DH5	Ant1	2402	5.32	≤20.97	PASS
	Ant2	2402	5.13	≤20.97	PASS
	Ant1	2441	5.24	≤20.97	PASS
	Ant2	2441	5.13	≤20.97	PASS
	Ant1	2480	5.03	≤20.97	PASS
	Ant2	2480	4.96	≤20.97	PASS

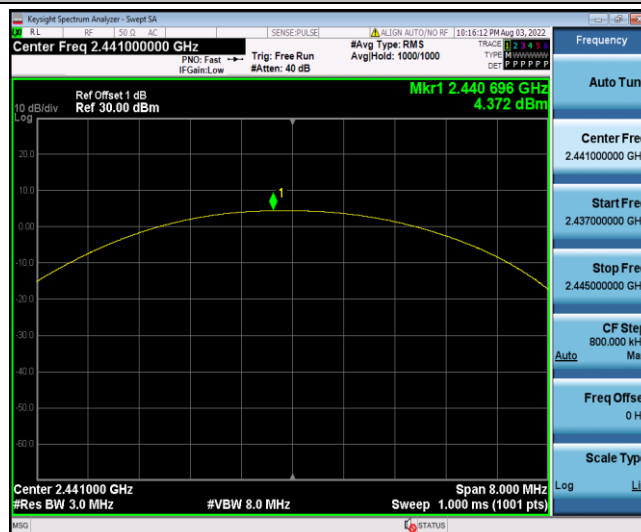
Test Graphs



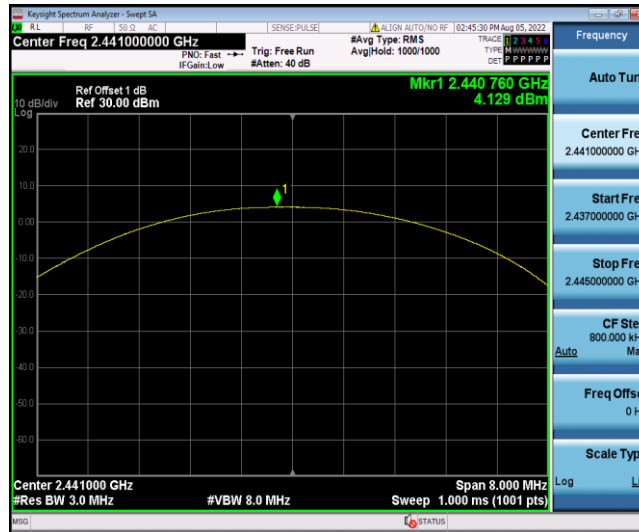
DH5_Ant1_2402



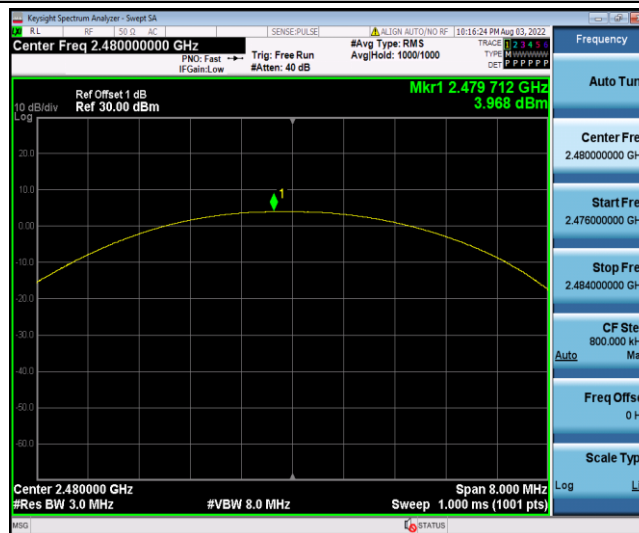
DH5_Ant2_2402



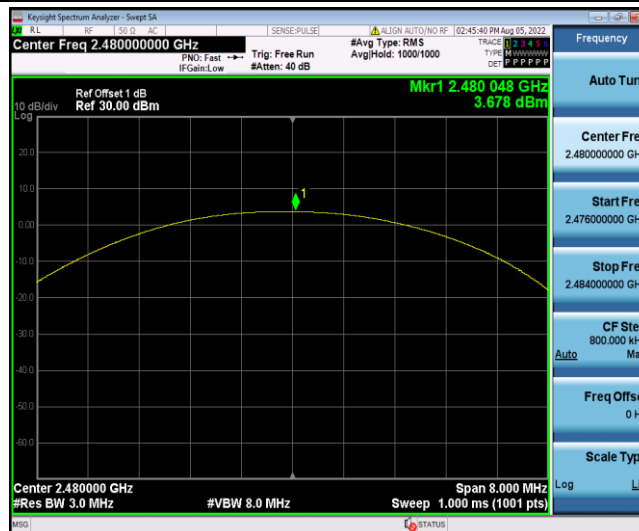
DH5_Ant1_2441



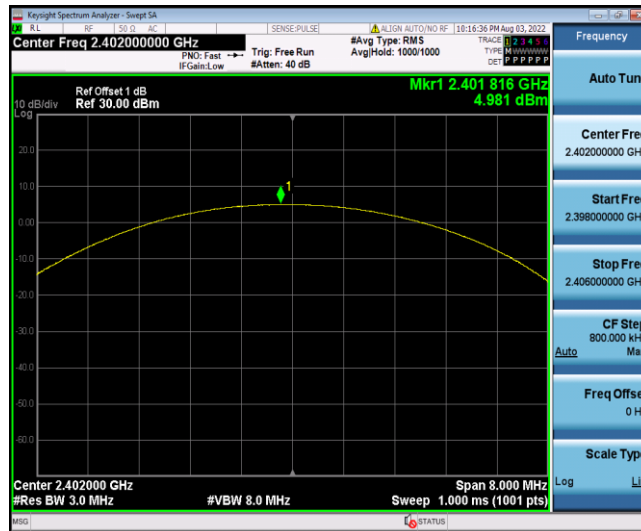
DH5_Ant2_2441



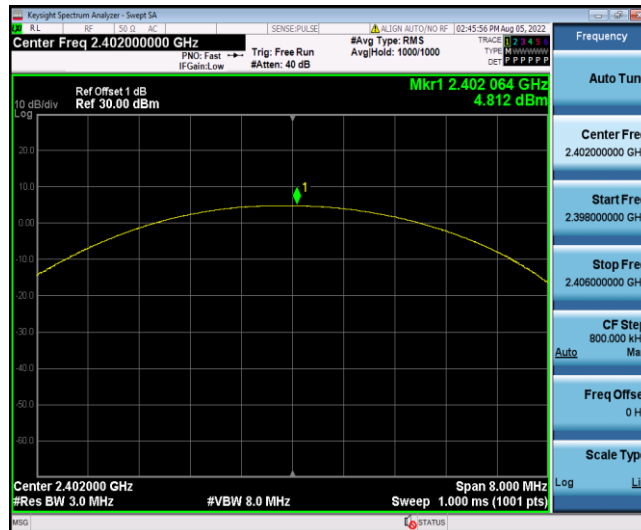
DH5_Ant1_2480



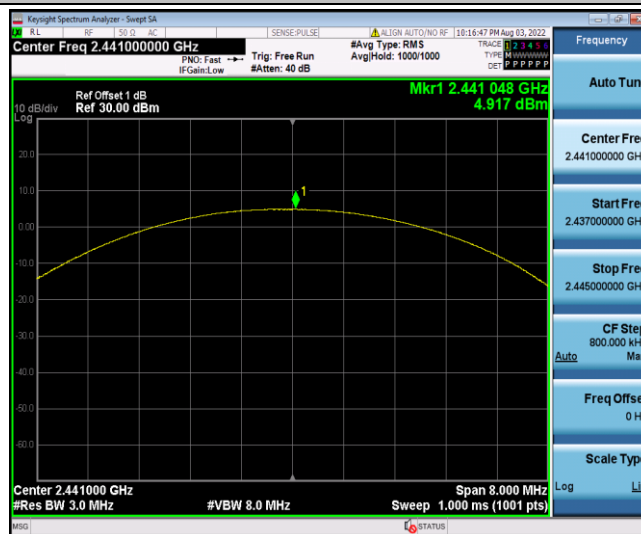
DH5_Ant2_2480



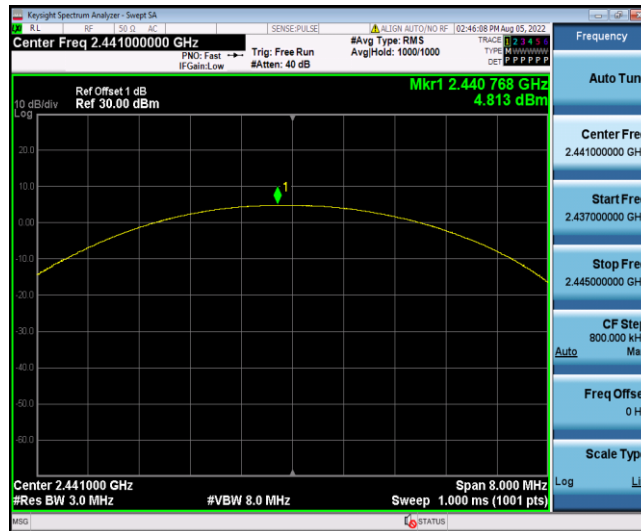
2DH5_Ant1_2402



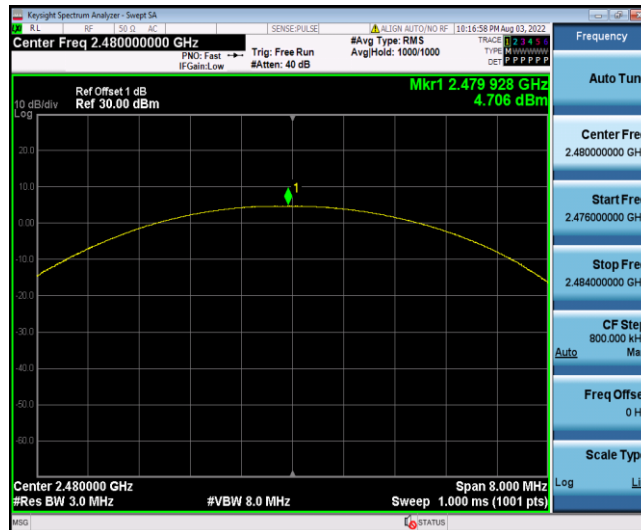
2DH5_Ant2_2402



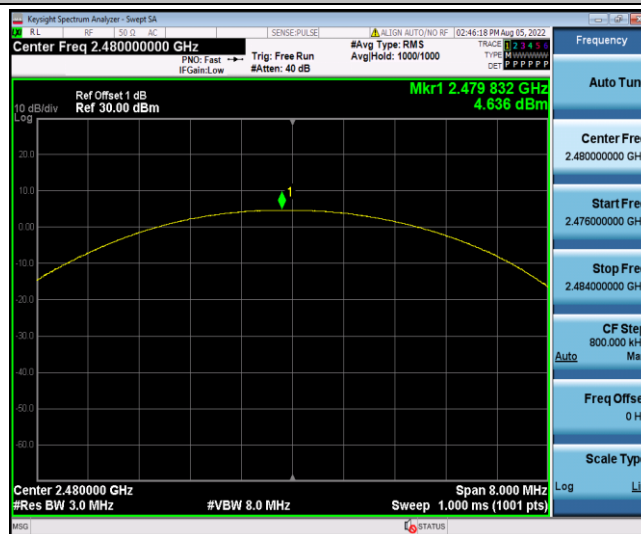
2DH5_Ant1_2441



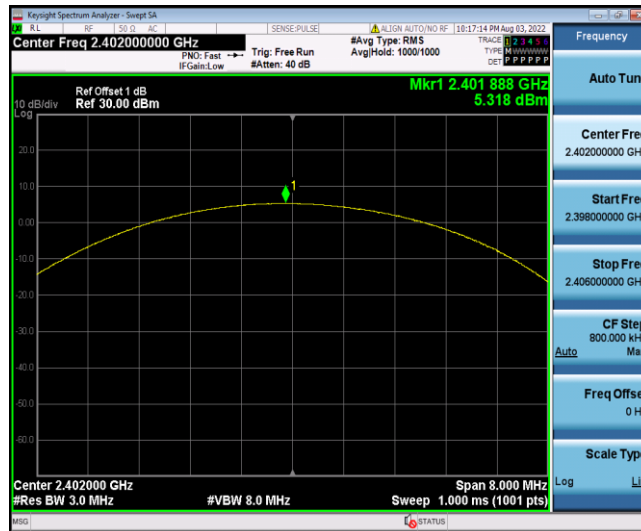
2DH5_Ant2_2441



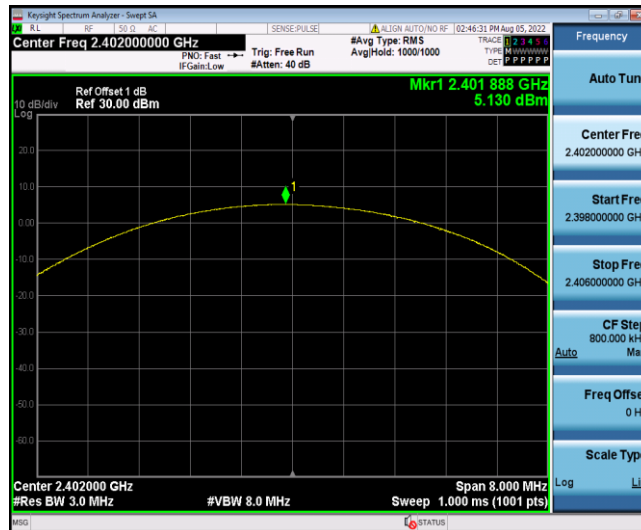
2DH5_Ant1_2480



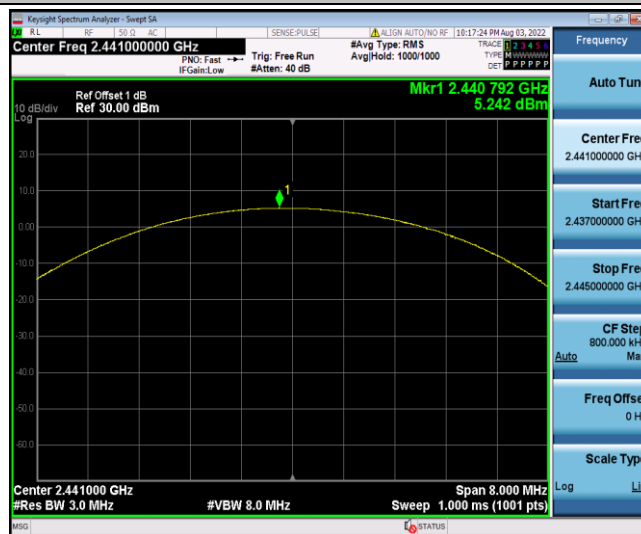
2DH5_Ant2_2480



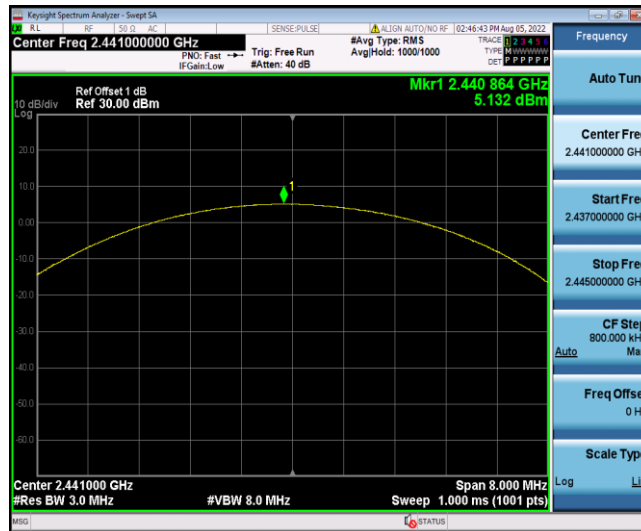
3DH5_Ant1_2402



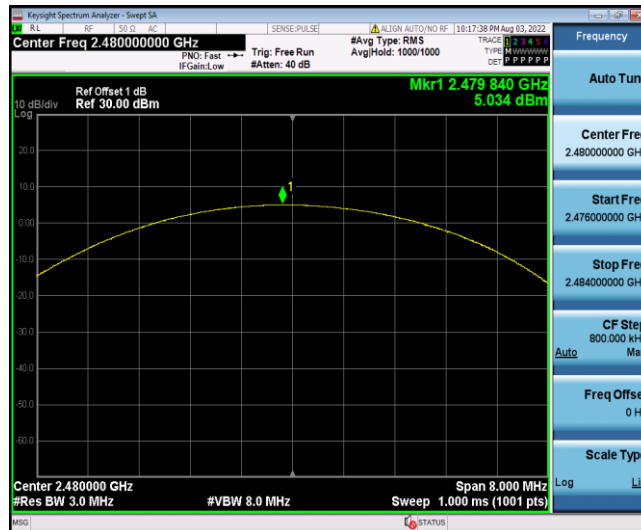
3DH5_Ant2_2402



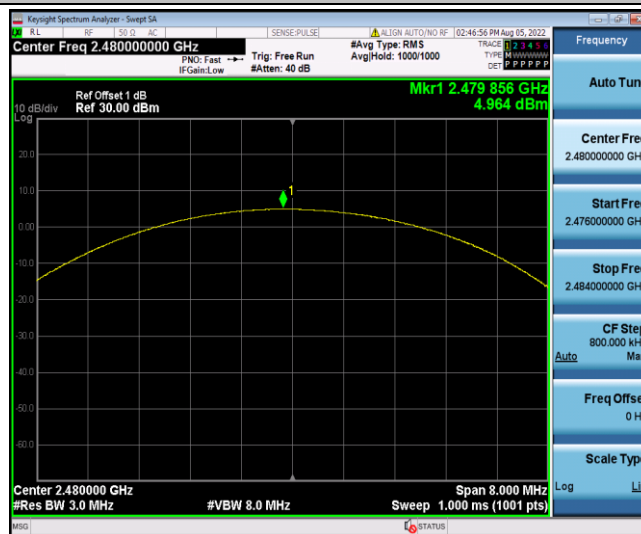
3DH5_Ant1_2441



3DH5_Ant2_2441



3DH5_Ant1_2480



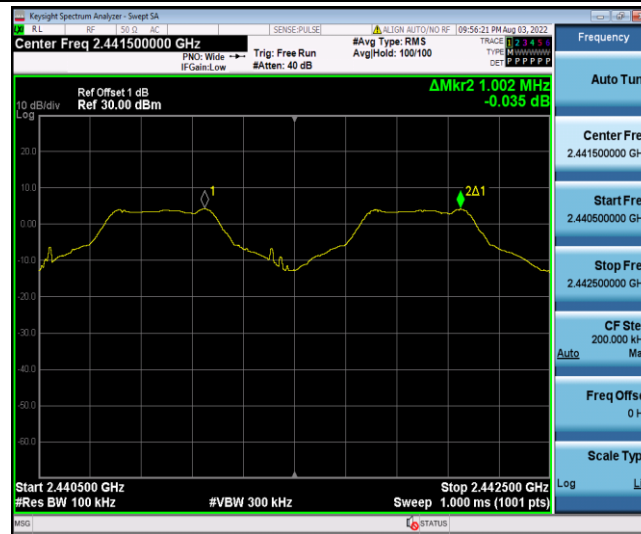
3DH5_Ant2_2480

Appendix C: Carrier frequency separation

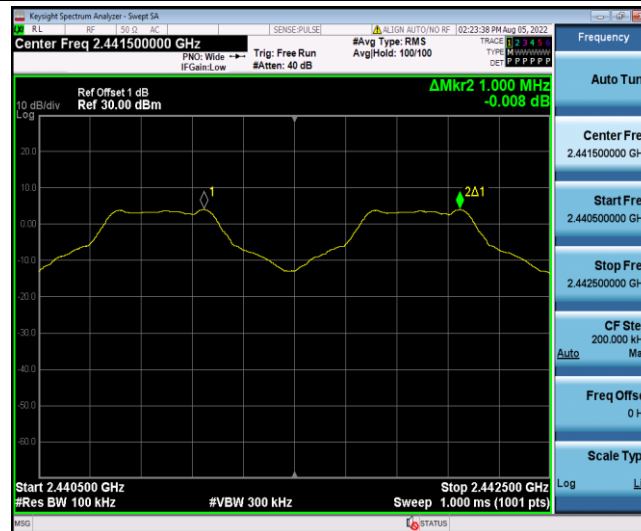
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	1.002	≥ 0.957	PASS
	Ant2	Hop	1	≥ 0.957	PASS
2DH5	Ant1	Hop	1.002	≥ 0.888	PASS
	Ant2	Hop	1	≥ 0.888	PASS
3DH5	Ant1	Hop	1.002	≥ 0.868	PASS
	Ant2	Hop	1	≥ 0.868	PASS

Test Graphs



DH5_Ant1_Hop



DH5_Ant2_Hop



2DH5_Ant1_Hop



2DH5_Ant2_Hop



3DH5_Ant1_Hop



3DH5_Ant2_Hop

Appendix D: Time of occupancy

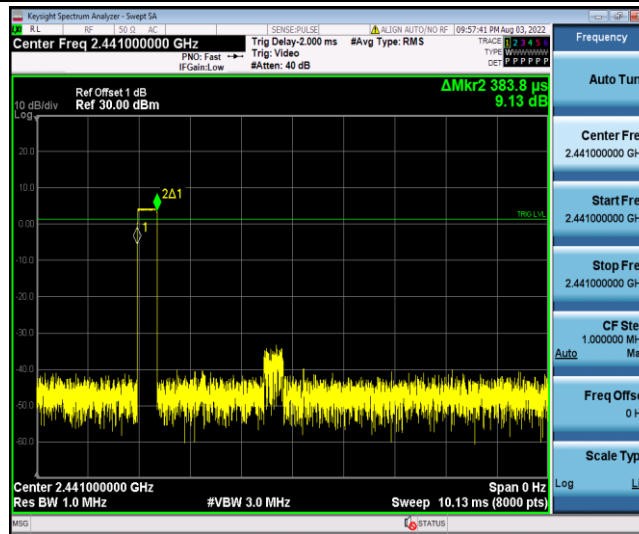
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	310	0.119	≤0.4	PASS
	Ant2	Hop	0.39	330	0.127	≤0.4	PASS
DH3	Ant1	Hop	1.64	180	0.295	≤0.4	PASS
	Ant2	Hop	1.64	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.89	70	0.202	≤0.4	PASS
	Ant2	Hop	2.89	100	0.289	≤0.4	PASS
2DH1	Ant1	Hop	0.39	320	0.124	≤0.4	PASS
	Ant2	Hop	0.39	320	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.64	130	0.213	≤0.4	PASS
	Ant2	Hop	1.64	180	0.295	≤0.4	PASS
2DH5	Ant1	Hop	2.89	130	0.375	≤0.4	PASS
	Ant2	Hop	2.89	100	0.289	≤0.4	PASS
3DH1	Ant1	Hop	0.39	310	0.119	≤0.4	PASS
	Ant2	Hop	0.39	330	0.127	≤0.4	PASS
3DH3	Ant1	Hop	1.64	140	0.229	≤0.4	PASS
	Ant2	Hop	1.64	180	0.295	≤0.4	PASS
3DH5	Ant1	Hop	2.89	100	0.289	≤0.4	PASS
	Ant2	Hop	2.89	100	0.289	≤0.4	PASS

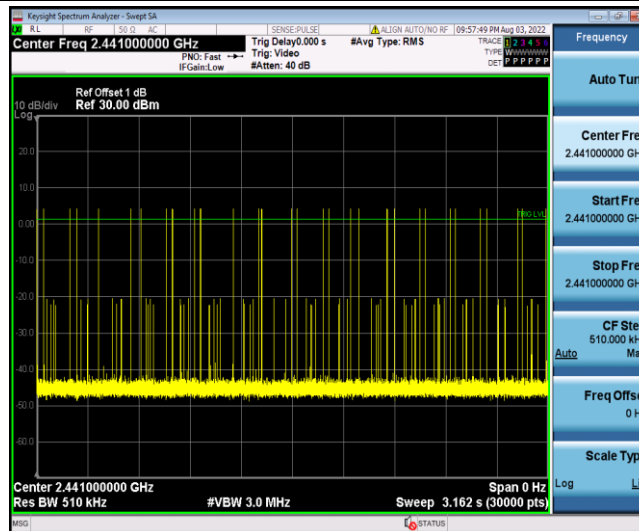
Note: (1) Dwell time=Pulse time (ms) × Total Pulse number s

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

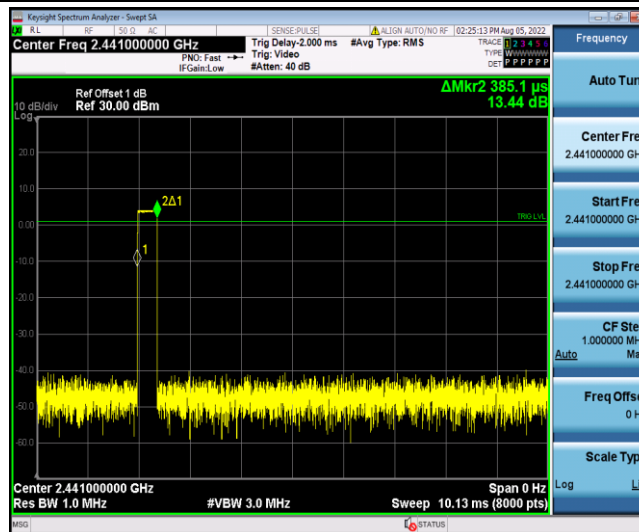
Test Graphs



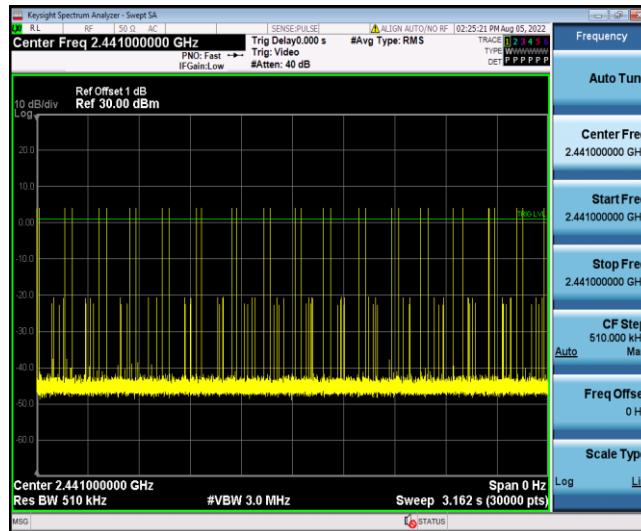
DH1_Ant1_Hop



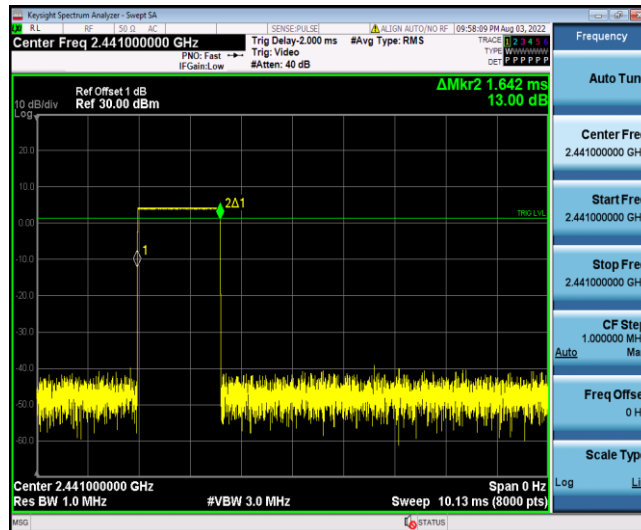
DH1_Ant1_Hop



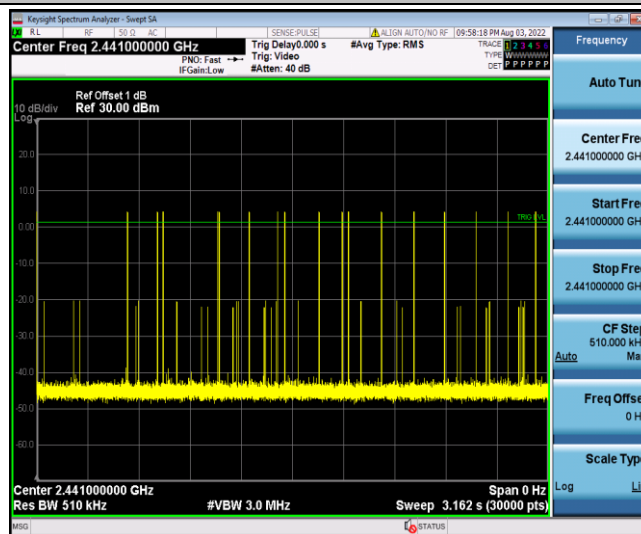
DH1_Ant2_Hop



DH1_Ant2_Hop



DH3_Ant1_Hop



DH3_Ant1_Hop