

Annex for Bluetooth BR&EDR

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

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.445	2402.393	---	PASS
		2441	0.957	2440.439	2441.396	---	PASS
		2480	0.954	2479.439	2480.393	---	PASS
2DH5	Ant1	2402	1.287	2401.274	2402.561	---	PASS
		2441	1.287	2440.271	2441.558	---	PASS
		2480	1.290	2479.268	2480.558	---	PASS
3DH5	Ant1	2402	1.269	2401.268	2402.537	---	PASS
		2441	1.266	2440.268	2441.534	---	PASS
		2480	1.272	2479.265	2480.537	---	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	0.88002	2401.466	2402.346	---	PASS
		2441	0.88090	2440.463	2441.344	---	PASS
		2480	0.88118	2479.462	2480.343	---	PASS
2DH5	Ant1	2402	1.1739	2401.321	2402.494	---	PASS
		2441	1.1746	2440.320	2441.495	---	PASS
		2480	1.1751	2479.320	2480.495	---	PASS
3DH5	Ant1	2402	1.1604	2401.327	2402.487	---	PASS
		2441	1.1607	2440.326	2441.487	---	PASS
		2480	1.1627	2479.326	2480.489	---	PASS

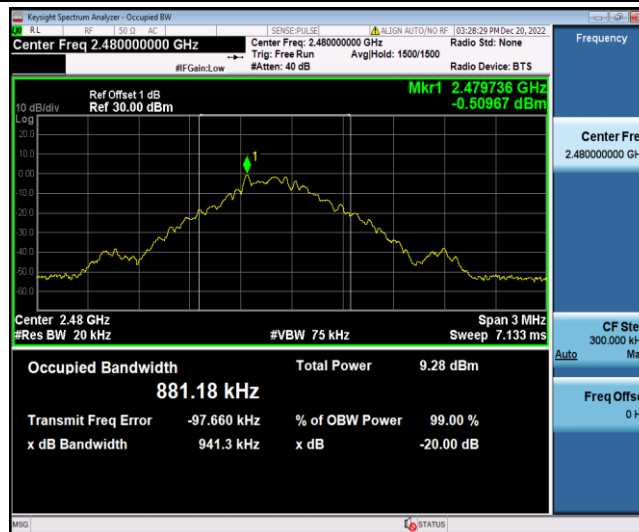
Test Graphs



DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



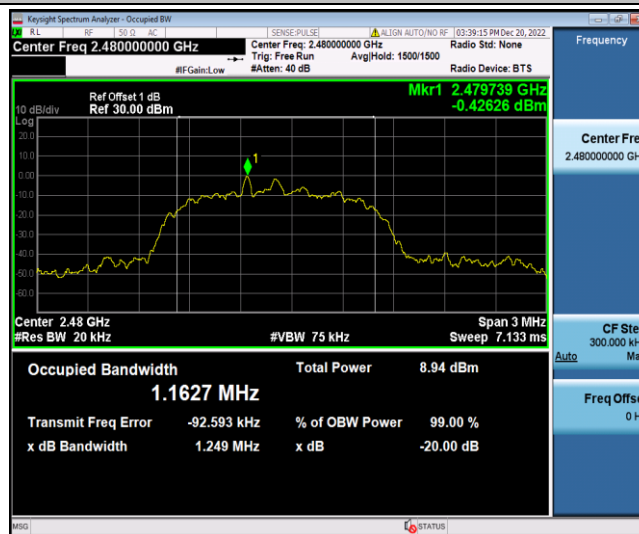
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

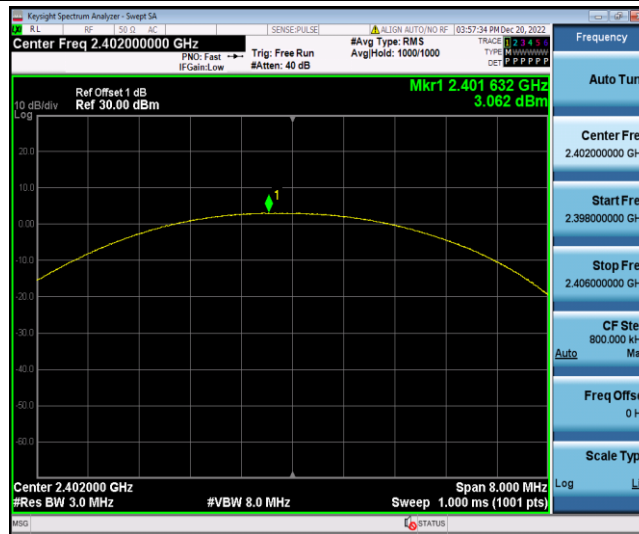
Appendix C: Maximum conducted output power

Test Result

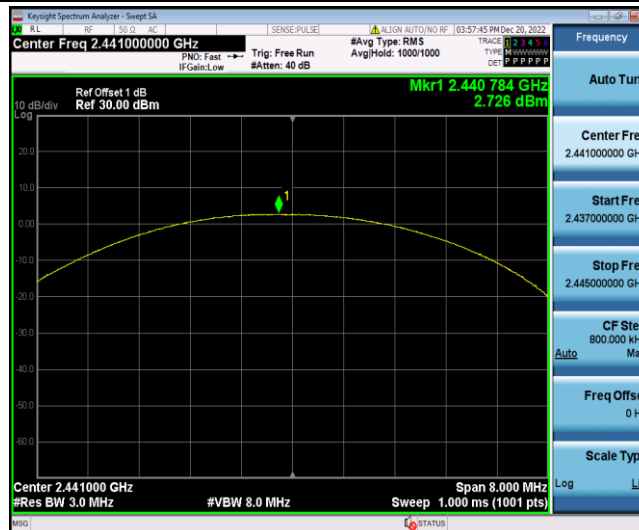
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.06	≤30	PASS
		2441	2.73	≤30	PASS
		2480	2.31	≤30	PASS
2DH5	Ant1	2402	3.69	≤20.97	PASS
		2441	3.40	≤20.97	PASS
		2480	2.82	≤20.97	PASS
3DH5	Ant1	2402	4.03	≤20.97	PASS
		2441	3.65	≤20.97	PASS
		2480	3.18	≤20.97	PASS

TestMode	Antenna	Channel	Result[dBm]	Antenna gain [dBi]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
DH5	Ant1	2402	3.06	3	6.06	≤36.02	PASS
		2441	2.73	3	5.73	≤36.02	PASS
		2480	2.31	3	5.31	≤36.02	PASS
2DH5	Ant1	2402	3.69	3	6.69	≤36.02	PASS
		2441	3.40	3	6.40	≤36.02	PASS
		2480	2.82	3	5.82	≤36.02	PASS
3DH5	Ant1	2402	4.03	3	7.03	≤36.02	PASS
		2441	3.65	3	6.65	≤36.02	PASS
		2480	3.18	3	6.18	≤36.02	PASS

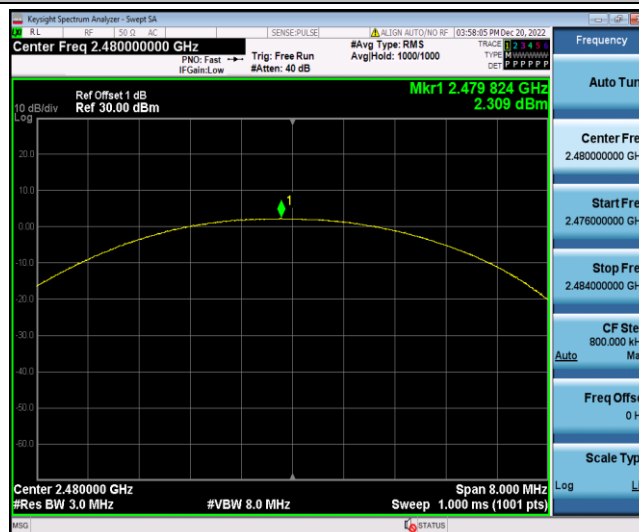
Test Graphs



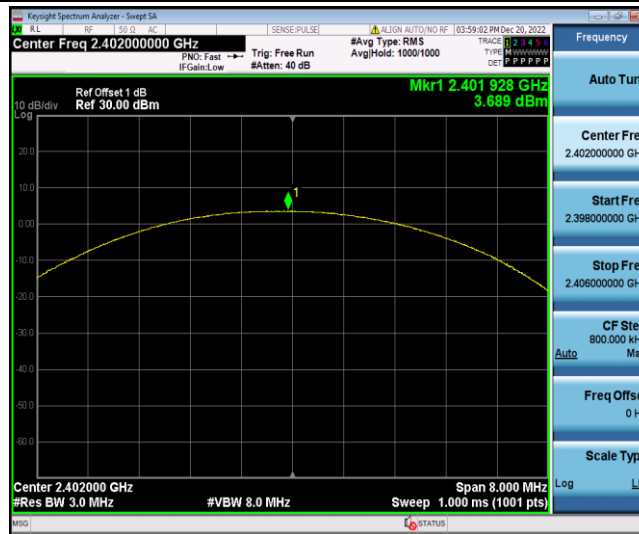
DH5_Ant1_2402



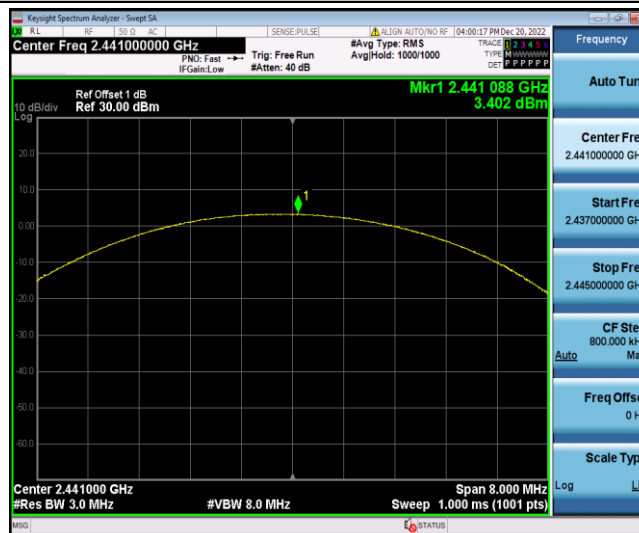
DH5_Ant1_2441



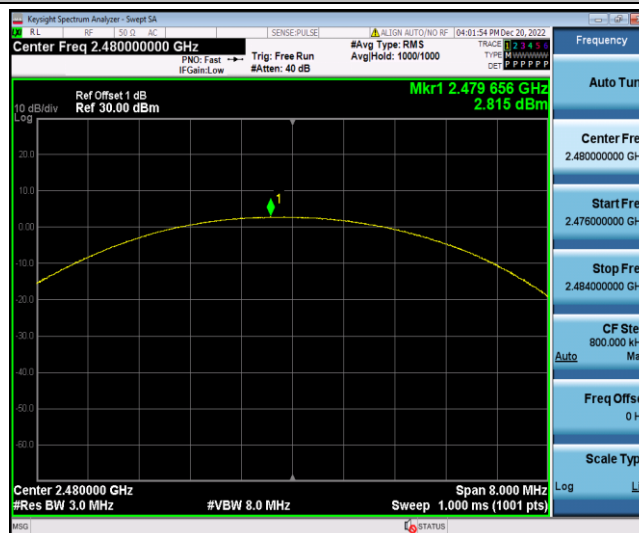
DH5_Ant1_2480



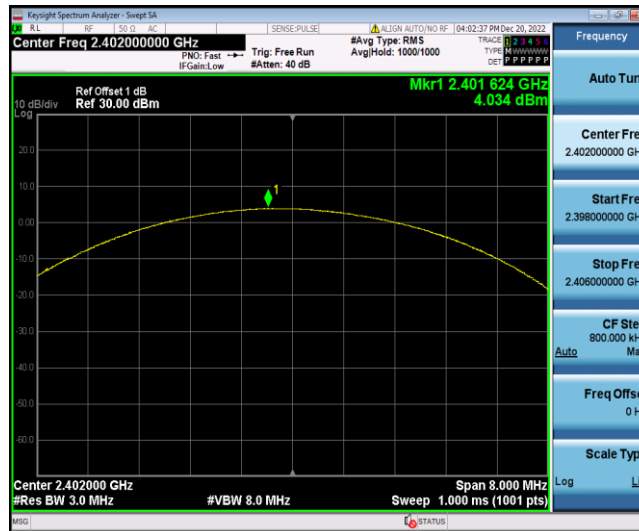
2DH5_Ant1_2402



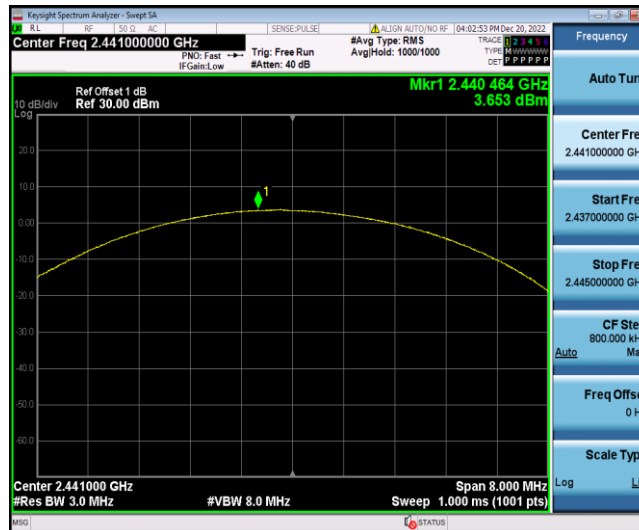
2DH5_Ant1_2441



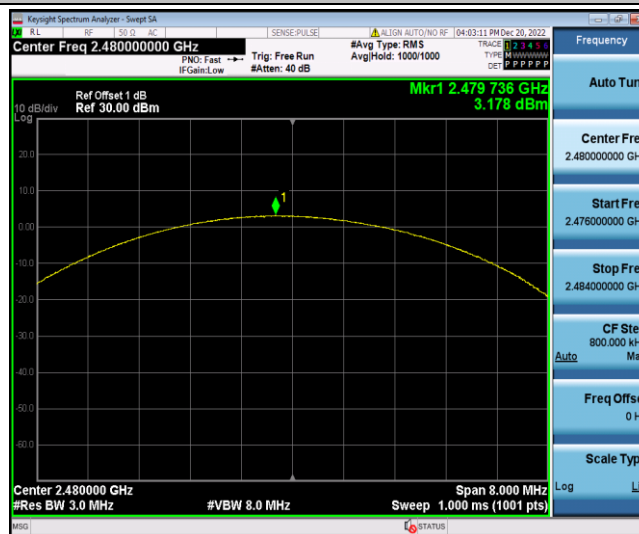
2DH5_Ant1_2480



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	≥ 0.638	PASS
2DH5	Ant1	Hop	1.004	≥ 0.860	PASS
3DH5	Ant1	Hop	1.002	≥ 0.848	PASS

Test Graphs



DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

Appendix E: Time of occupancy

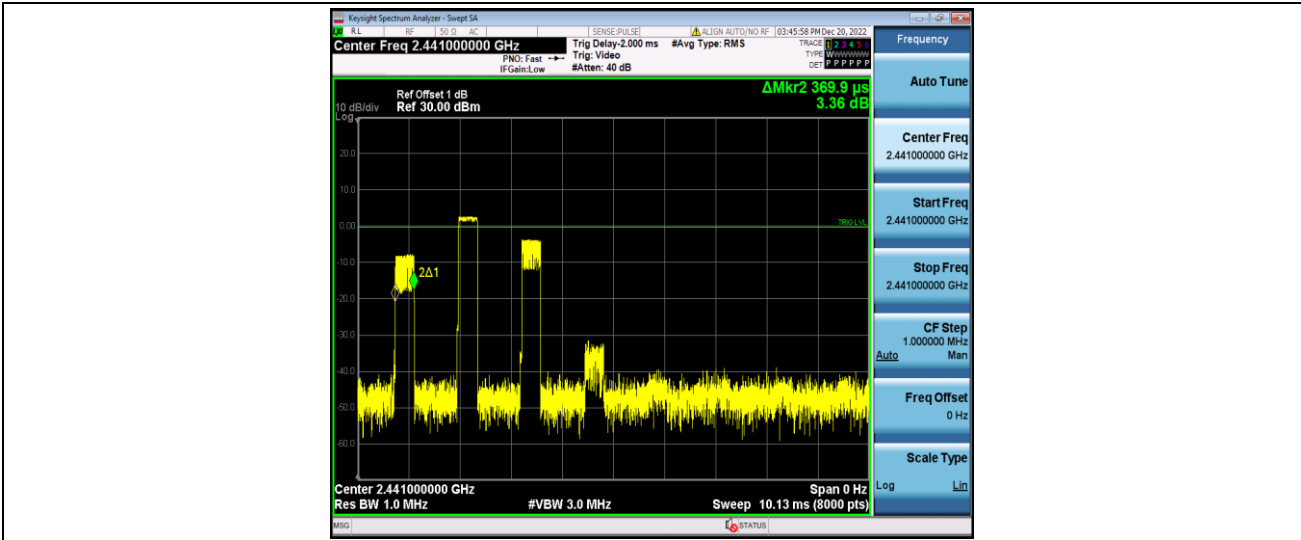
Test Result

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	160	0.259	≤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	160	0.261	≤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	160	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

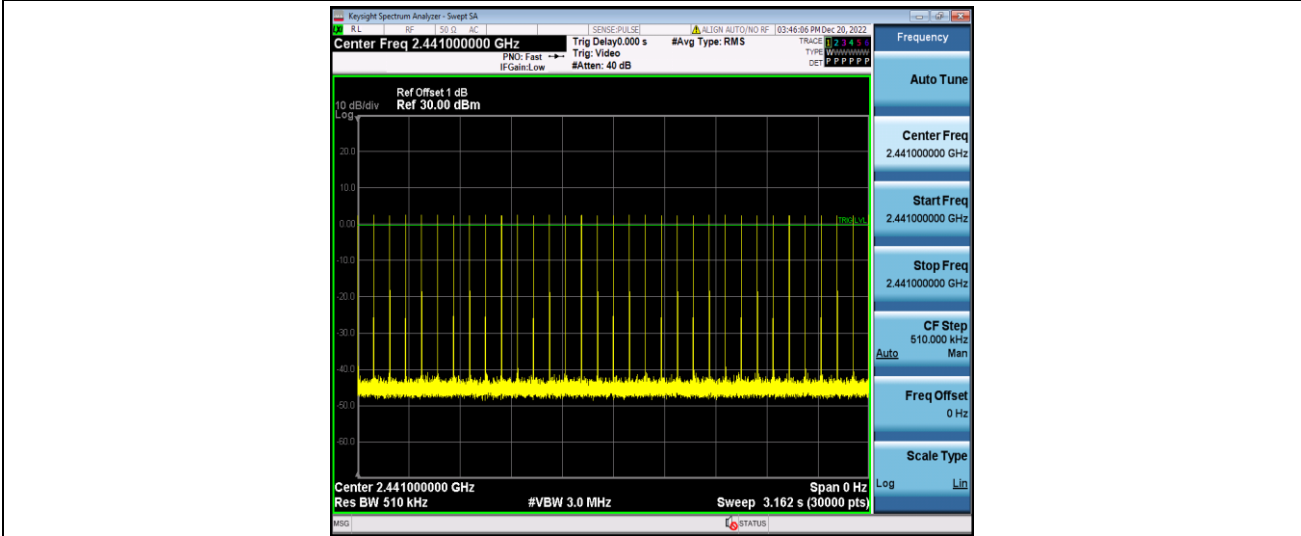
Note: (1) Dwell time=Pulse time (ms) × Total Pulse number s

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

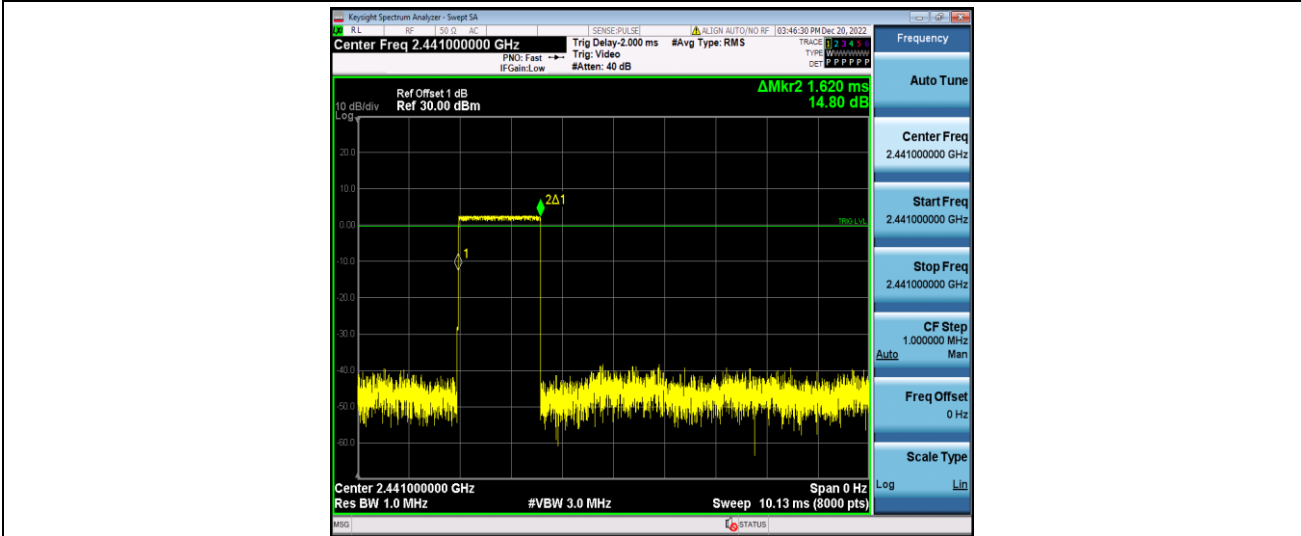
Test Graphs



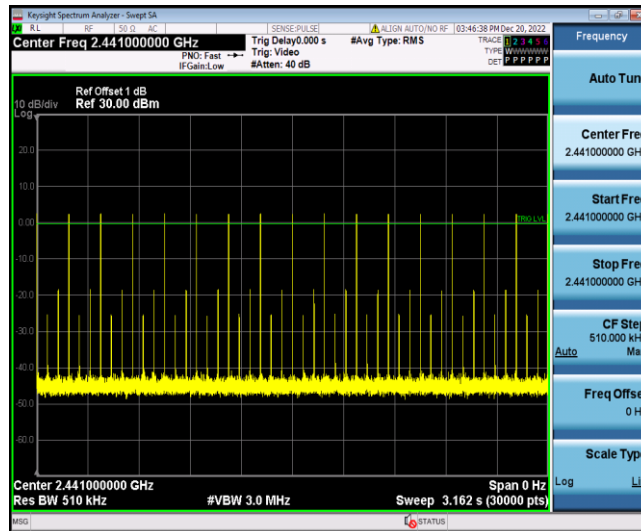
DH1_Ant1_Hop



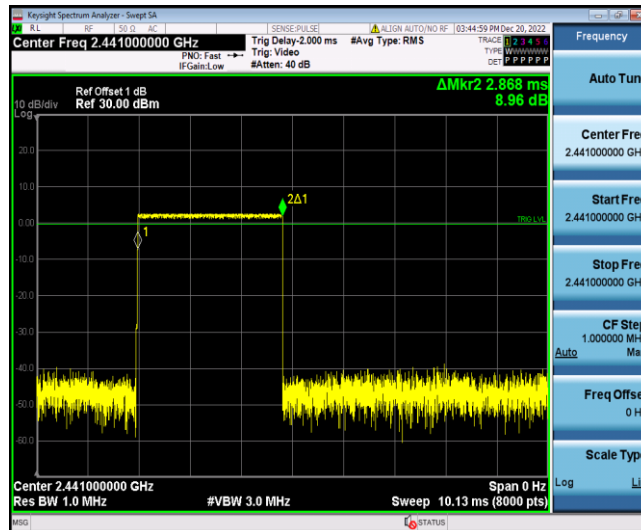
DH1_Ant1_Hop



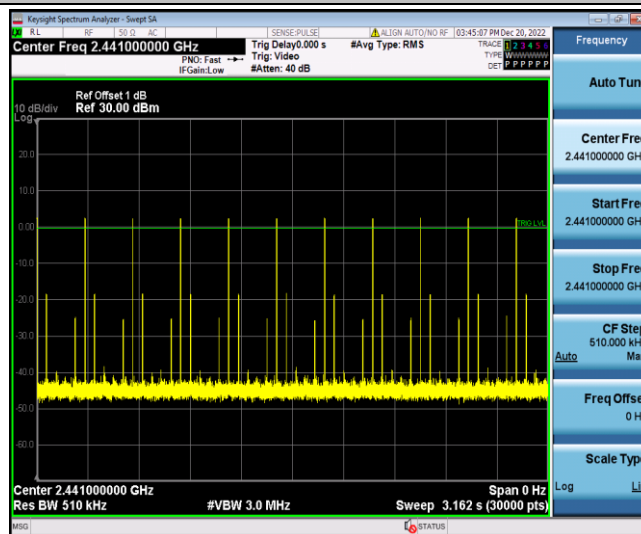
DH3_Ant1_Hop



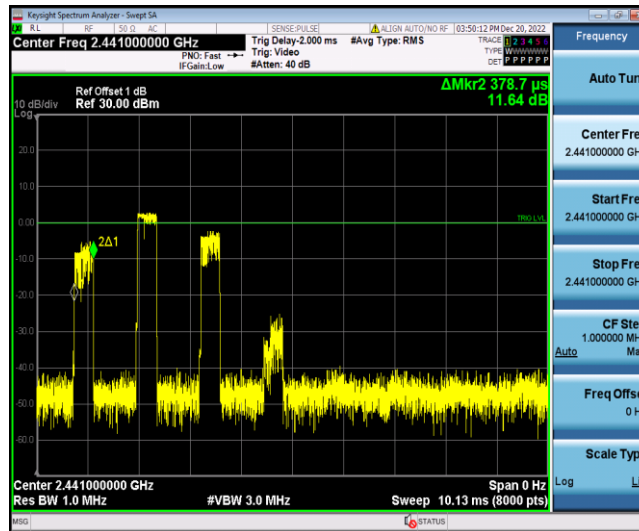
DH3_Ant1_Hop



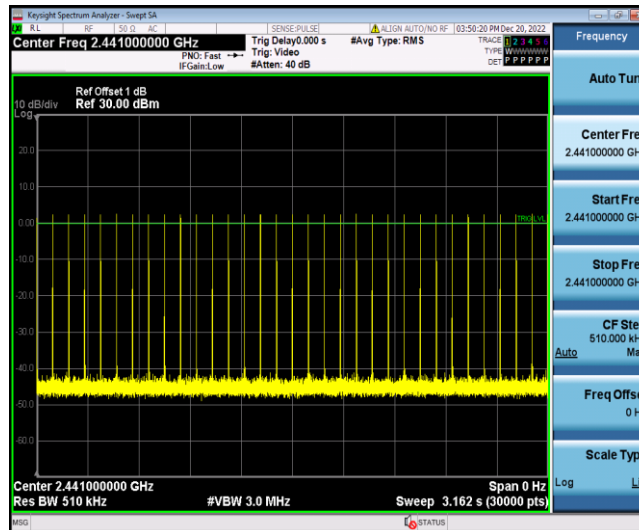
DH5_Ant1_Hop



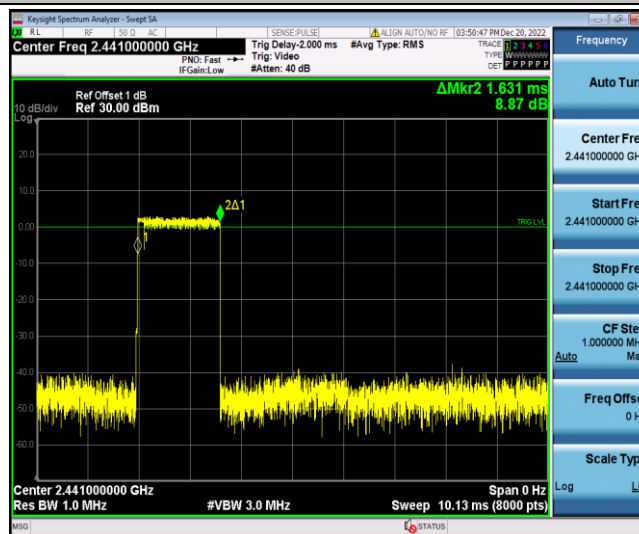
DH5_Ant1_Hop



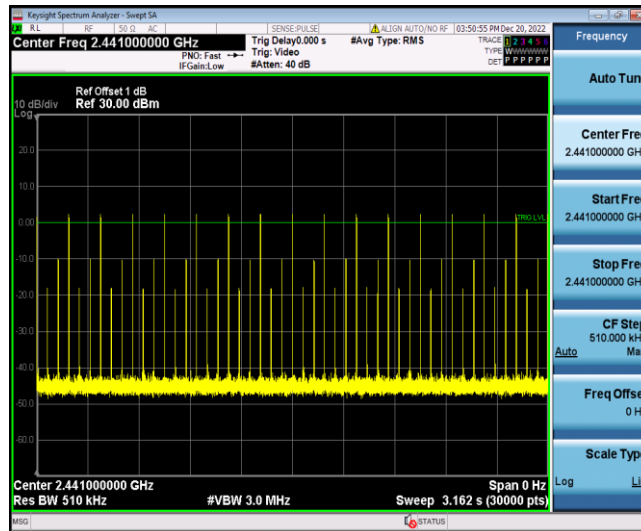
2DH1_Ant1_Hop



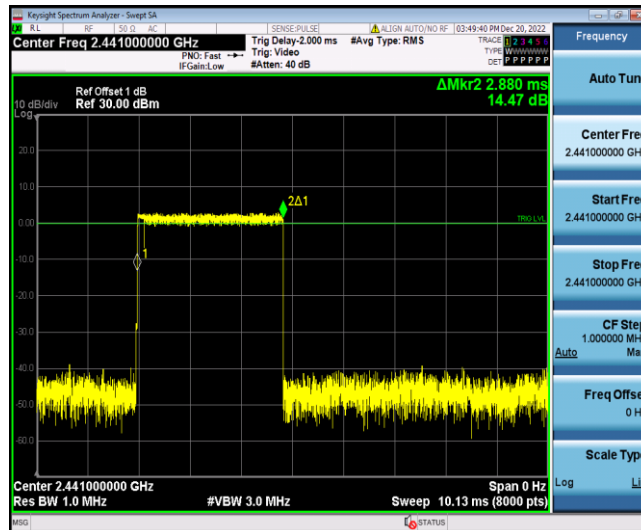
2DH1_Ant1_Hop



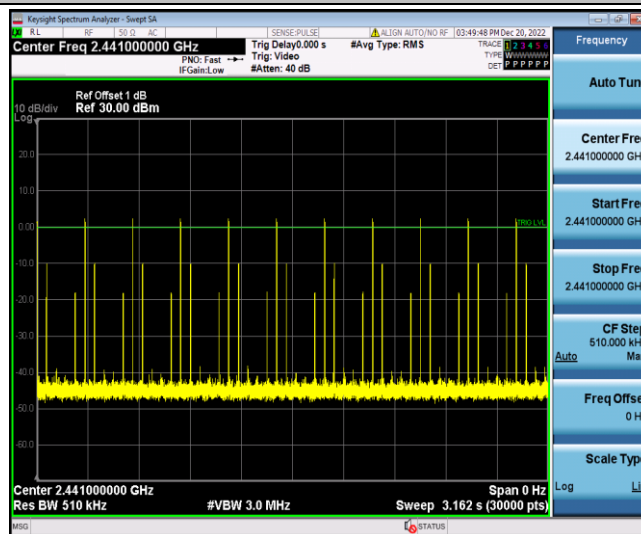
2DH3_Ant1_Hop



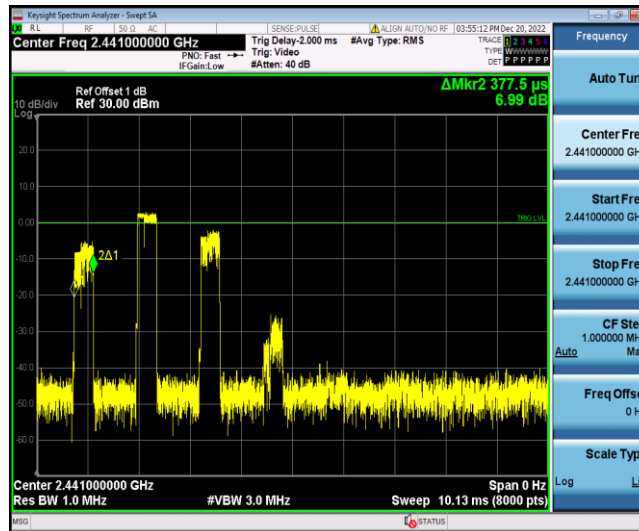
2DH3_Ant1_Hop



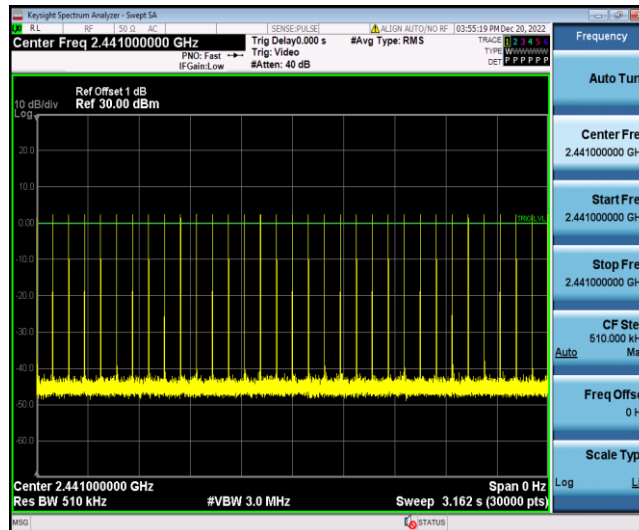
2DH5_Ant1_Hop



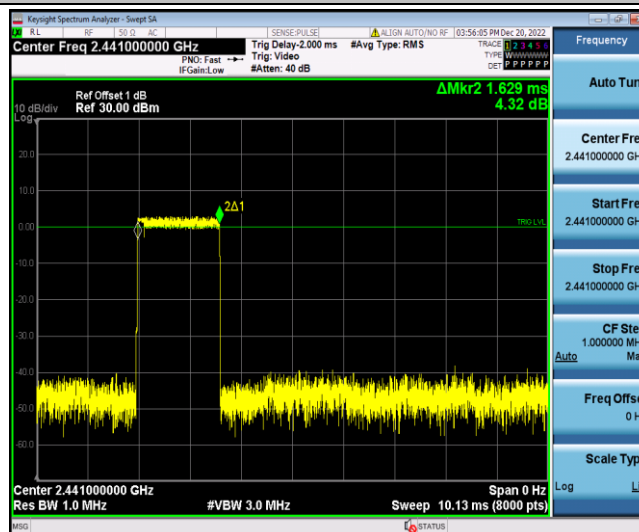
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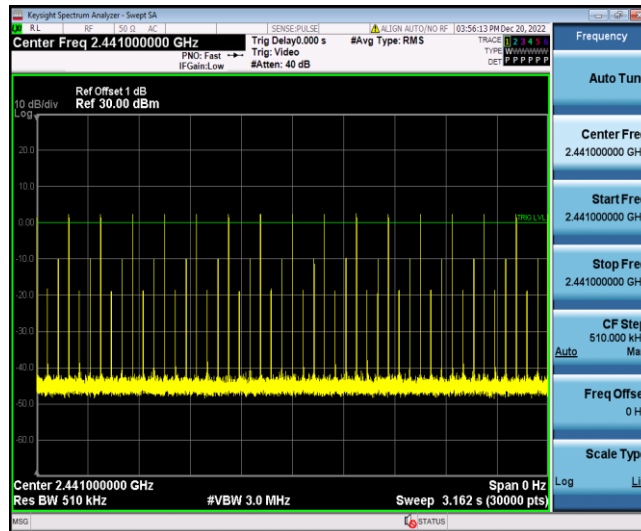
3DH1_Ant1_Hop



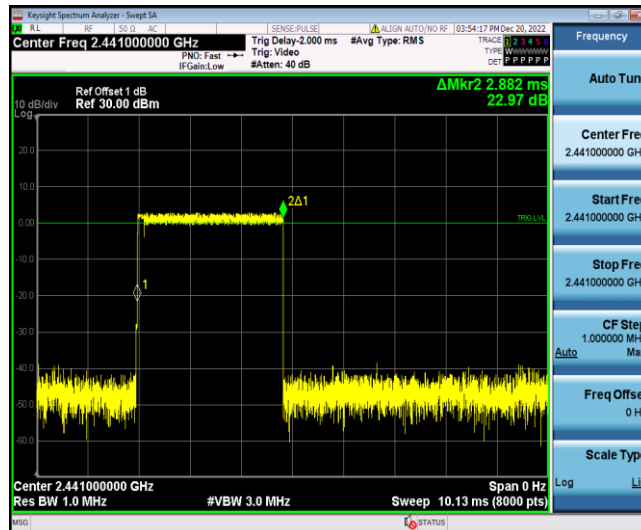
3DH1_Ant1_Hop



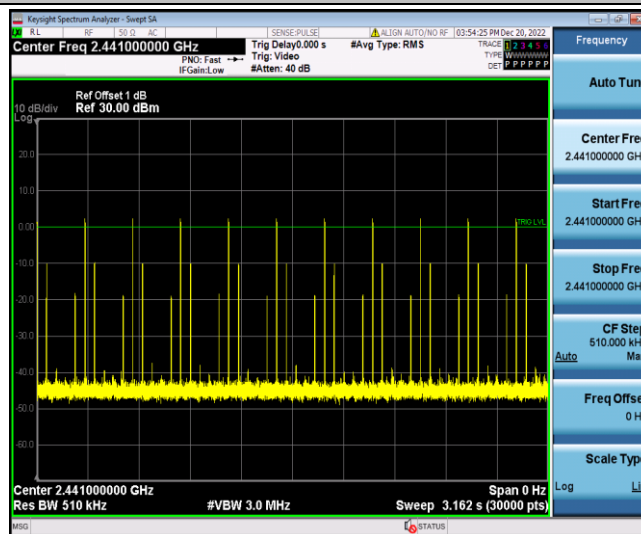
3DH3_Ant1_Hop



3DH3_Ant1_Hop



3DH5_Ant1_Hop



3DH5_Ant1_Hop

Appendix F: Number of hopping channels

Test Result

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