

Annex for FCC BT

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.963	2401.538	2402.501	---	PASS
		2441	0.960	2440.538	2441.498	---	PASS
		2480	0.960	2479.538	2480.498	---	PASS
2DH5	Ant1	2402	1.281	2401.373	2402.654	---	PASS
		2441	1.281	2440.373	2441.654	---	PASS
		2480	1.281	2479.373	2480.654	---	PASS
3DH5	Ant1	2402	1.299	2401.355	2402.654	---	PASS
		2441	1.299	2440.355	2441.654	---	PASS
		2480	1.302	2479.355	2480.657	---	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



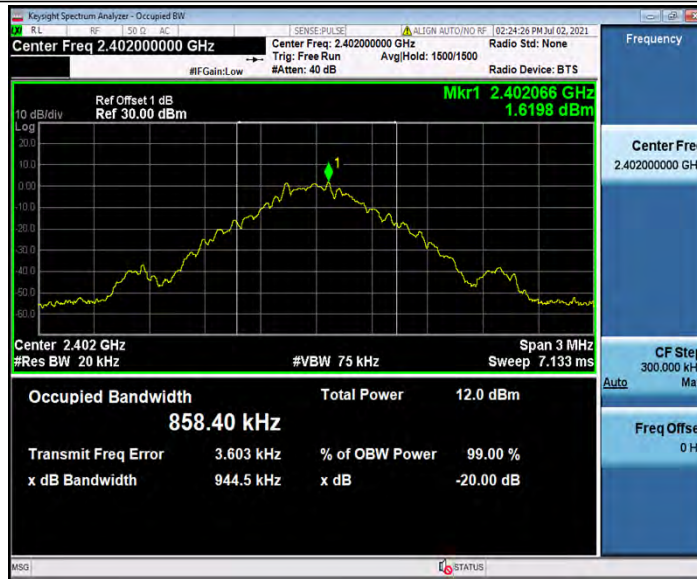
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85840	2401.574	2402.433	---	PASS
		2441	0.85861	2440.573	2441.432	---	PASS
		2480	0.85953	2479.572	2480.431	---	PASS
2DH5	Ant1	2402	1.1591	2401.423	2402.582	---	PASS
		2441	1.1593	2440.422	2441.582	---	PASS
		2480	1.1597	2479.422	2480.582	---	PASS
3DH5	Ant1	2402	1.1628	2401.420	2402.583	---	PASS
		2441	1.1636	2440.419	2441.583	---	PASS
		2480	1.1640	2479.419	2480.583	---	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

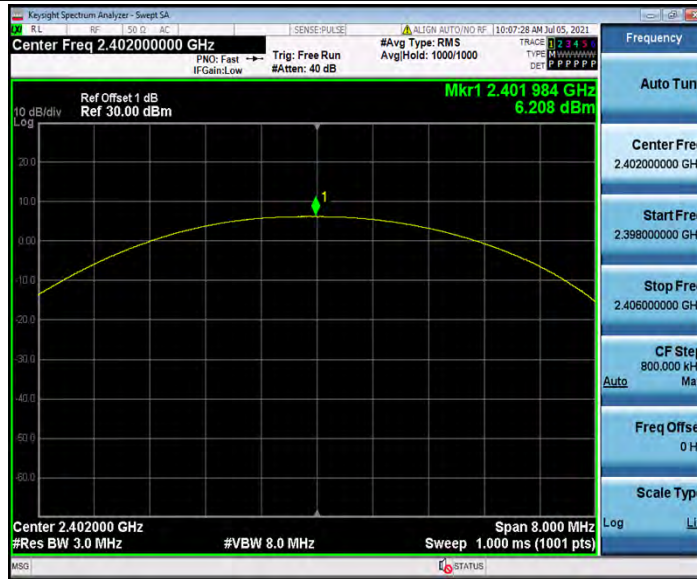
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	6.21	<=30	PASS
		2441	6.37	<=30	PASS
		2480	6.32	<=30	PASS
2DH5	Ant1	2402	8.37	<=20.97	PASS
		2441	8.44	<=20.97	PASS
		2480	8.43	<=20.97	PASS
3DH5	Ant1	2402	8.91	<=20.97	PASS
		2441	9.01	<=20.97	PASS
		2480	9.04	<=20.97	PASS

EIRP:

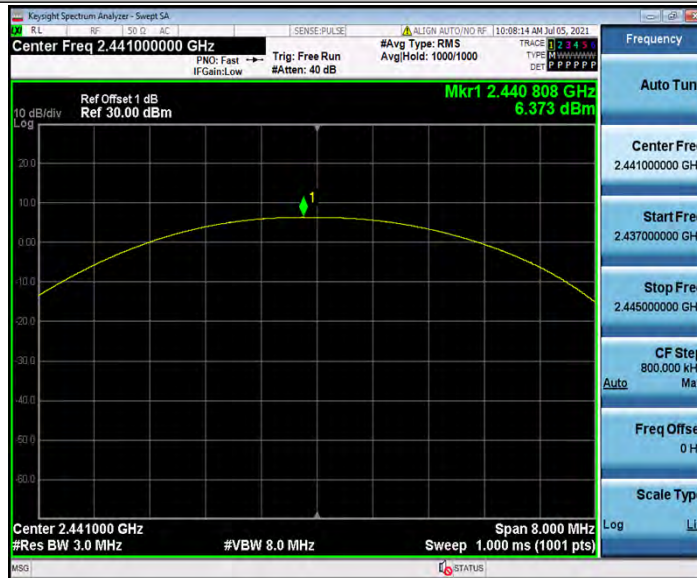
TestMode	Antenna	Channel	Result[dBm]	Antenna Gain [dBi]	EIRP [dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	6.21	3.57	9.78	<=36	PASS
		2441	6.37	3.57	9.94	<=36	PASS
		2480	6.32	3.57	9.89	<=36	PASS
2DH5	Ant1	2402	8.37	3.57	11.94	<=36	PASS
		2441	8.44	3.57	12.01	<=36	PASS
		2480	8.43	3.57	12.00	<=36	PASS
3DH5	Ant1	2402	8.91	3.57	12.48	<=36	PASS
		2441	9.01	3.57	12.58	<=36	PASS
		2480	9.04	3.57	12.61	<=36	PASS

Test Graphs

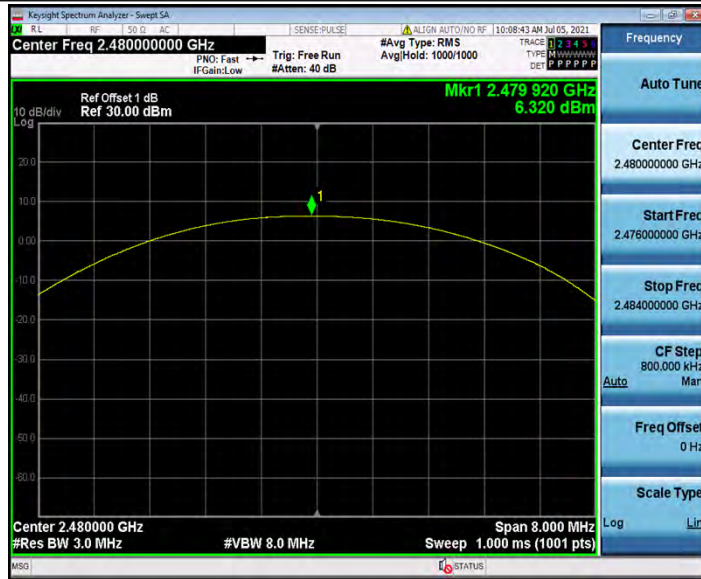
DH5_Ant1_2402



DH5_Ant1_2441



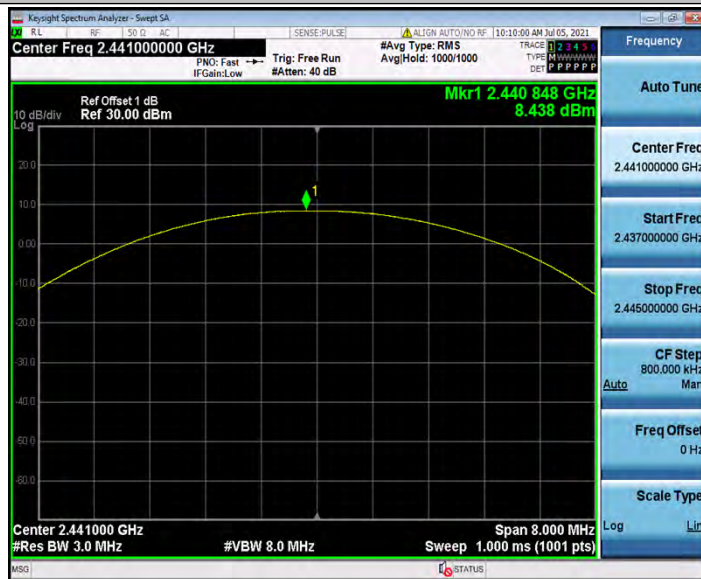
DH5_Ant1_2480



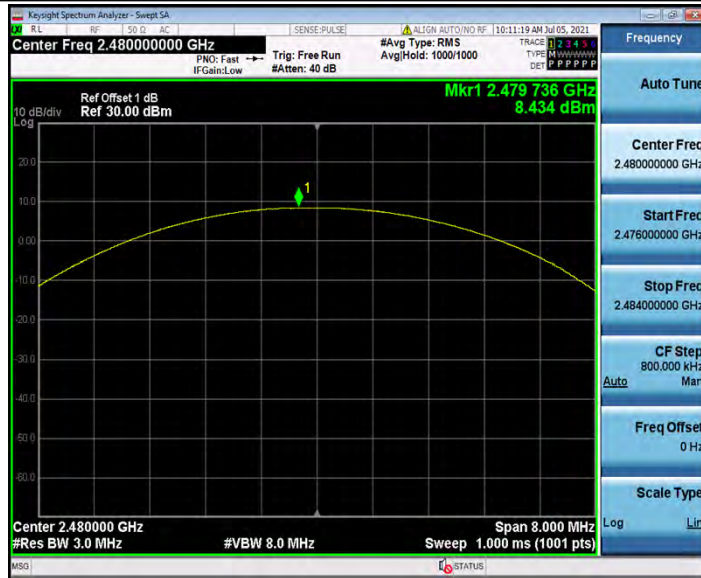
2DH5_Ant1_2402



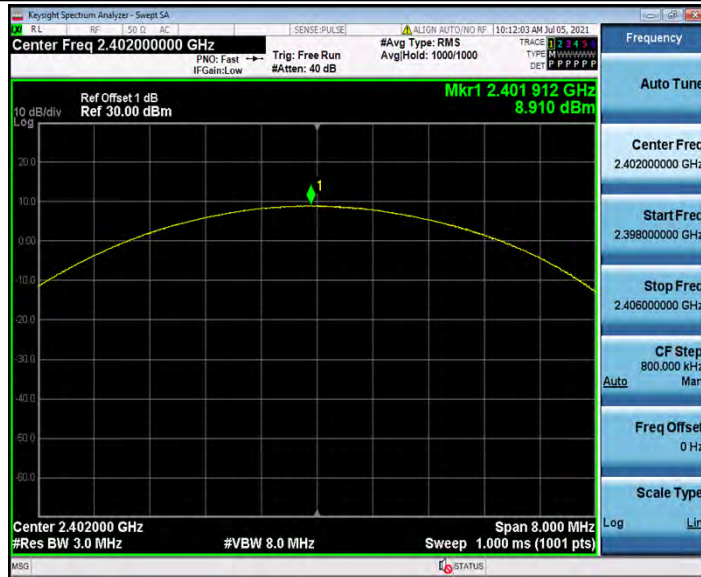
2DH5_Ant1_2441



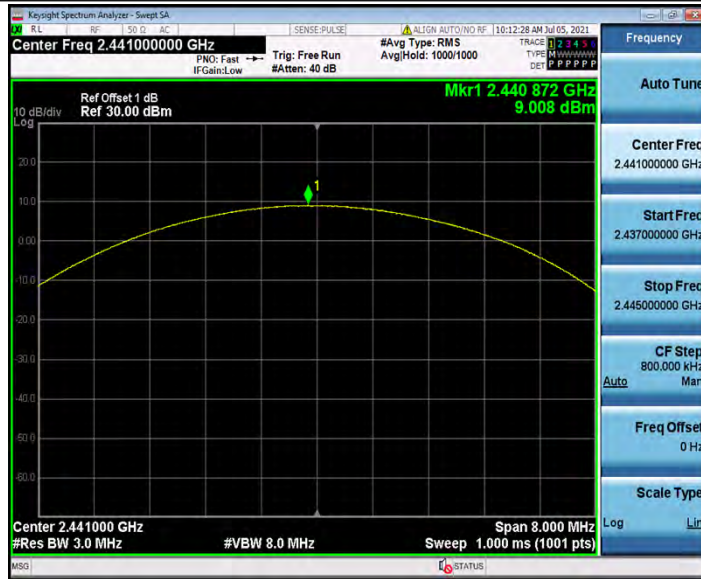
2DH5_Ant1_2480



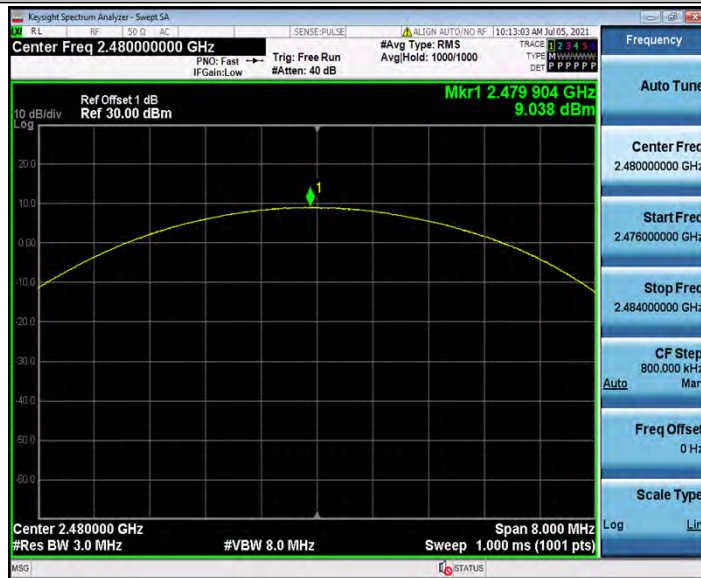
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.992	≥ 0.963	PASS
2DH5	Ant1	Hop	0.990	≥ 0.854	PASS
3DH5	Ant1	Hop	0.994	≥ 0.868	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



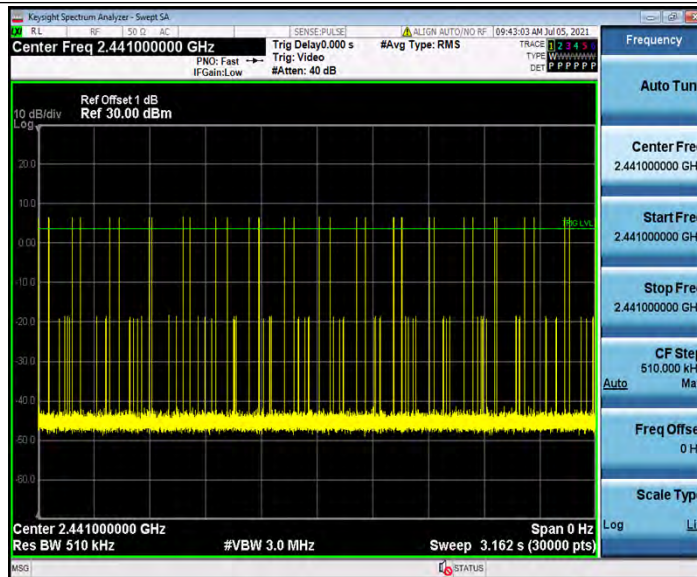
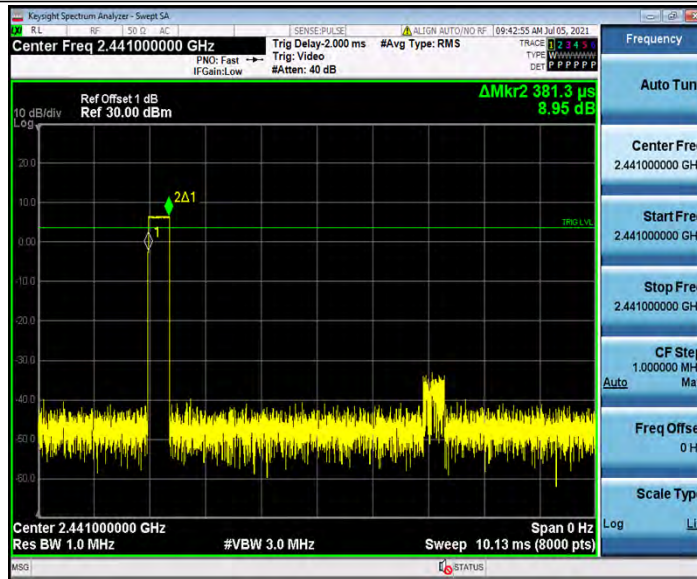
Appendix E: Time of occupancy

Test Result

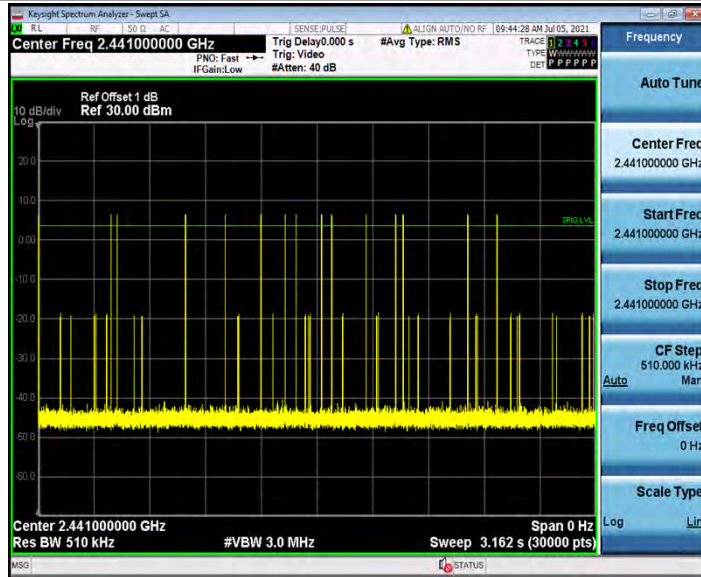
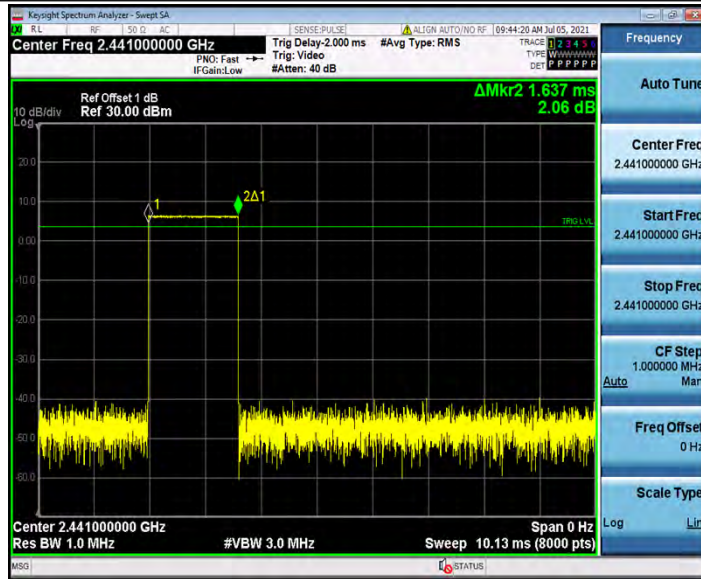
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	330	0.126	<=0.4	PASS
DH3	Ant1	Hop	1.64	150	0.245	<=0.4	PASS
DH5	Ant1	Hop	2.89	130	0.375	<=0.4	PASS
2DH1	Ant1	Hop	0.39	320	0.125	<=0.4	PASS
2DH3	Ant1	Hop	1.64	150	0.246	<=0.4	PASS
2DH5	Ant1	Hop	2.89	90	0.26	<=0.4	PASS
3DH1	Ant1	Hop	0.39	320	0.125	<=0.4	PASS
3DH3	Ant1	Hop	1.64	140	0.23	<=0.4	PASS
3DH5	Ant1	Hop	2.89	70	0.202	<=0.4	PASS

Test Graphs

DH1_Ant1_Hop

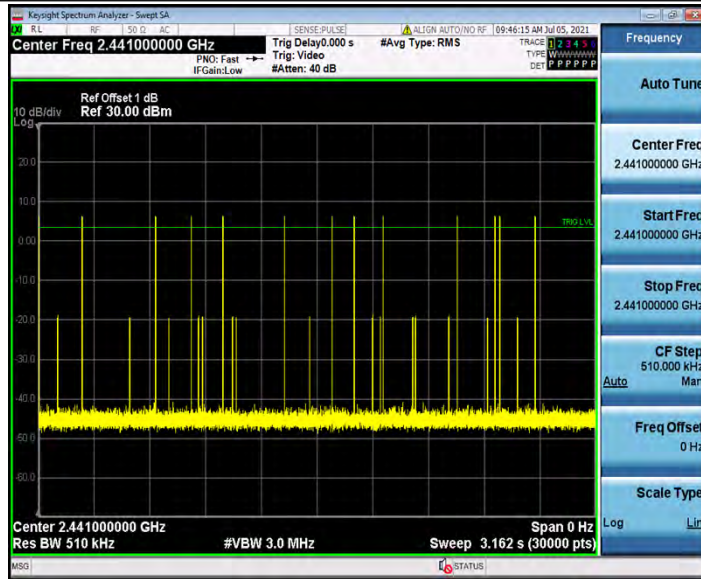


DH3_Ant1_Hop

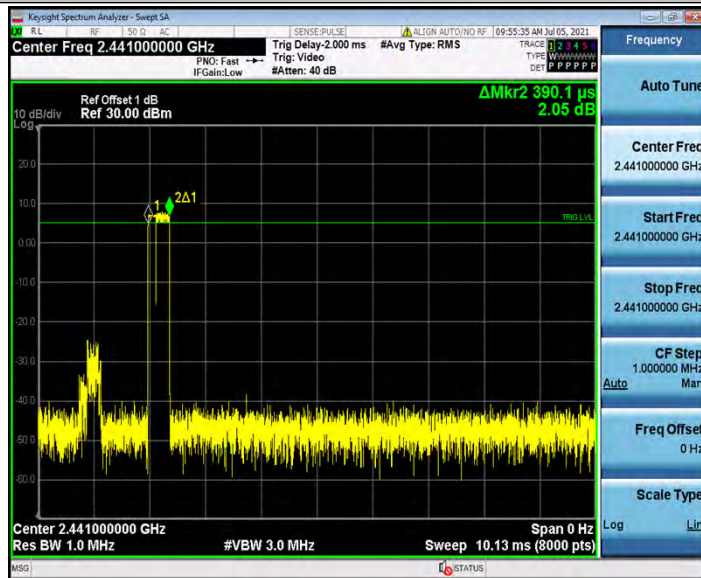


DH5_Ant1_Hop

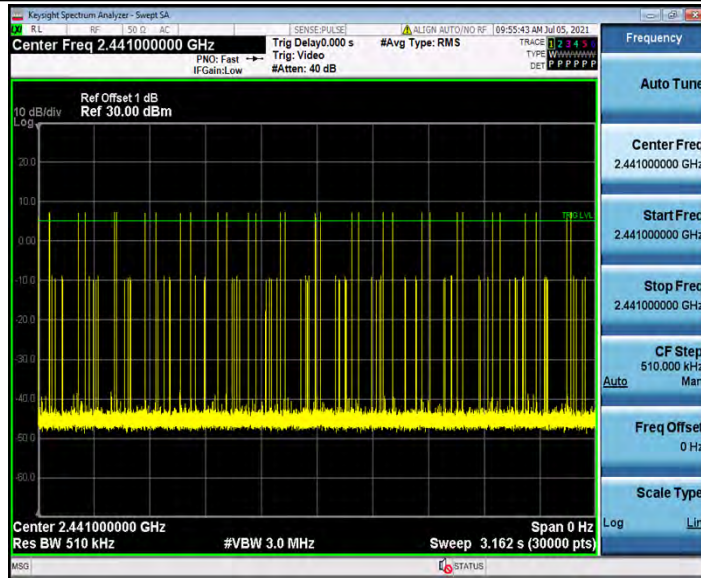


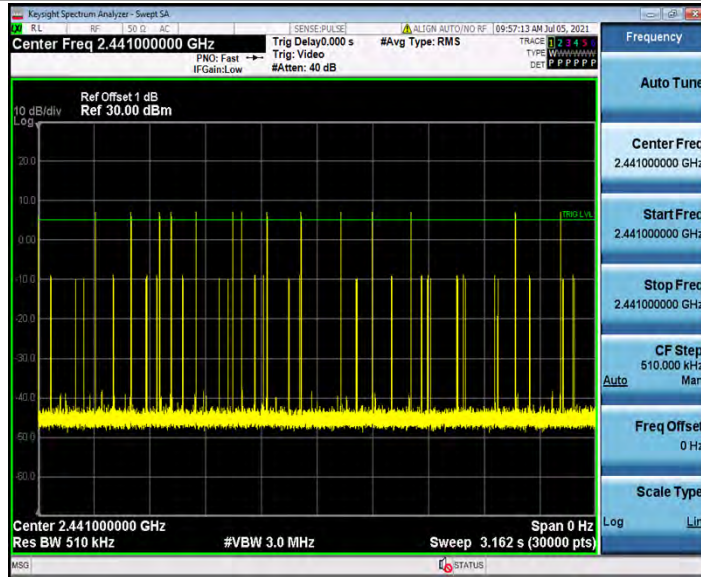
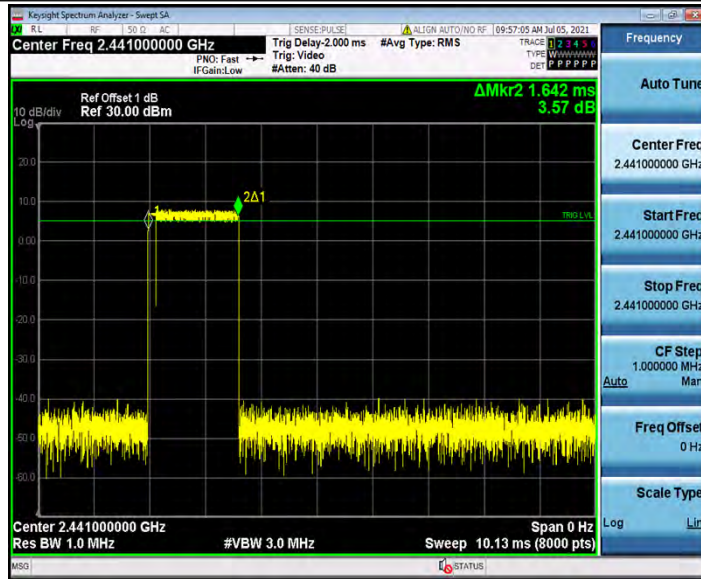


2DH1_Ant1_Hop

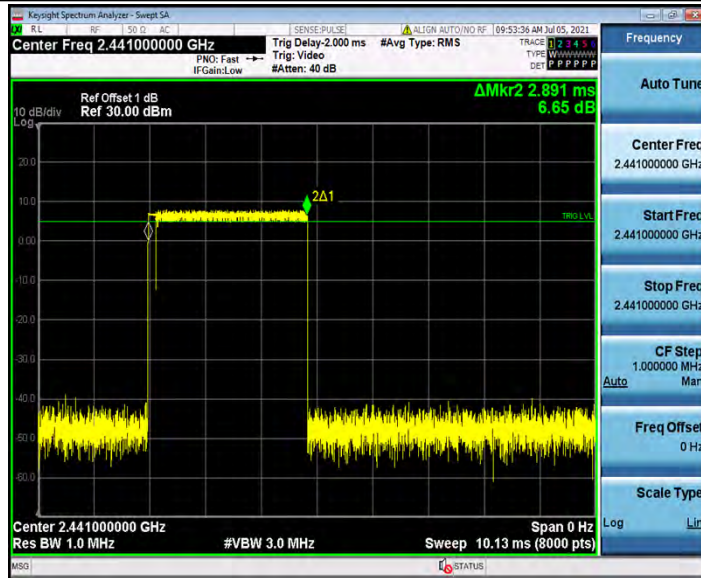


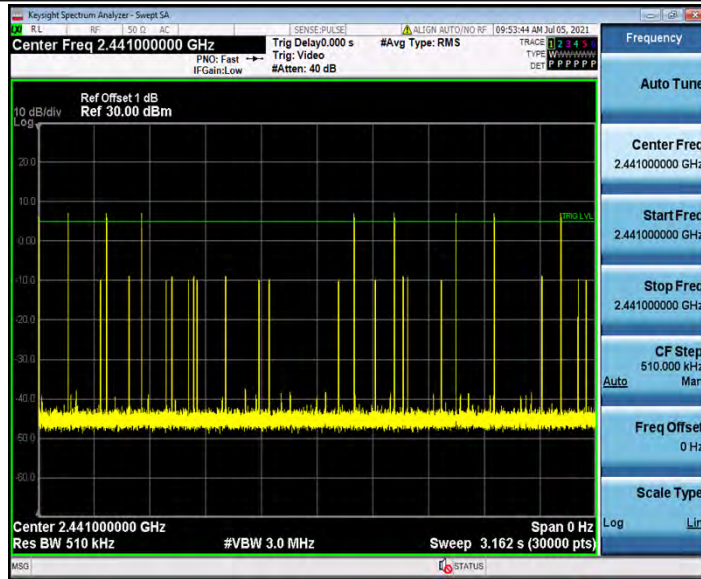
2DH3_Ant1_Hop



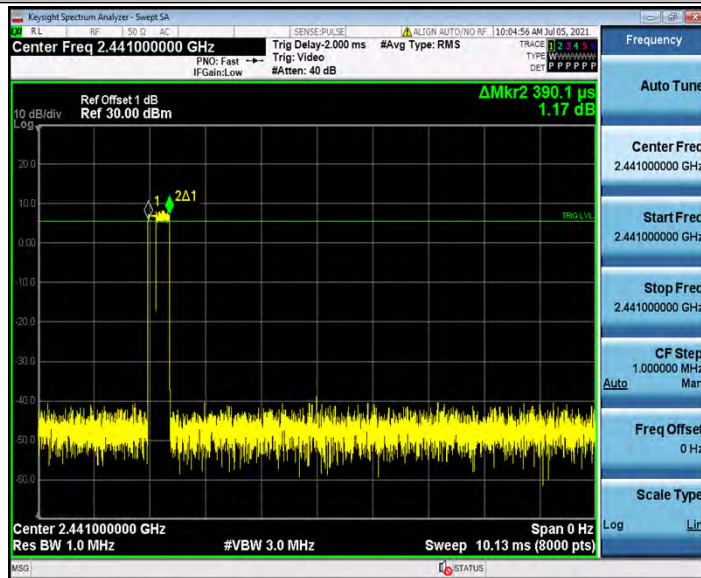


2DH5_Ant1_Hop

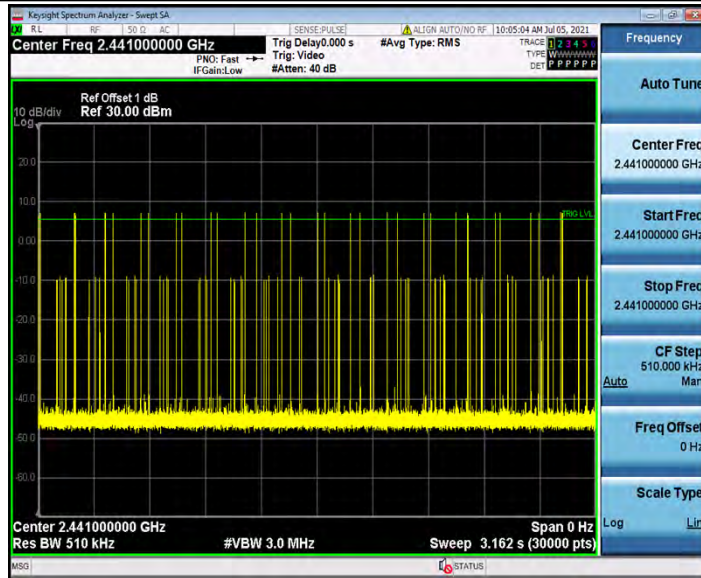


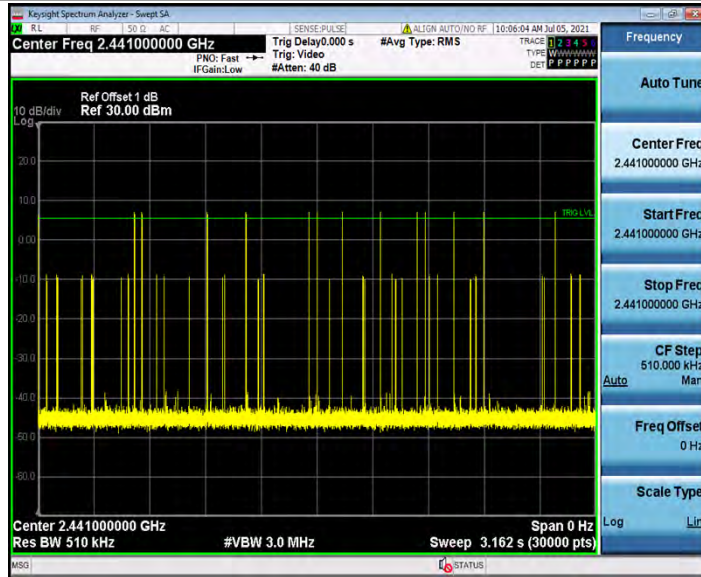
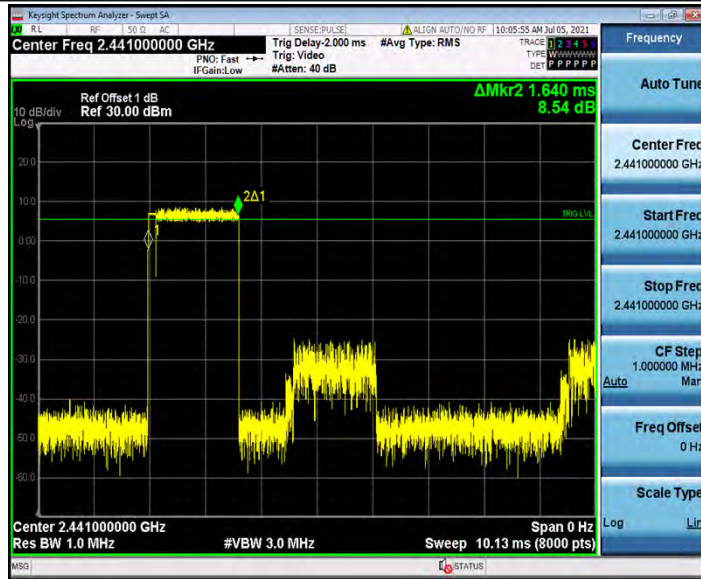


3DH1_Ant1_Hop

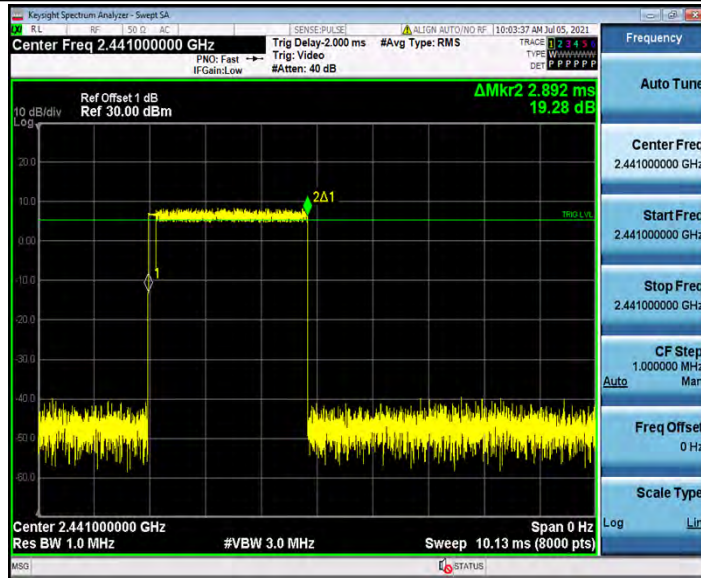


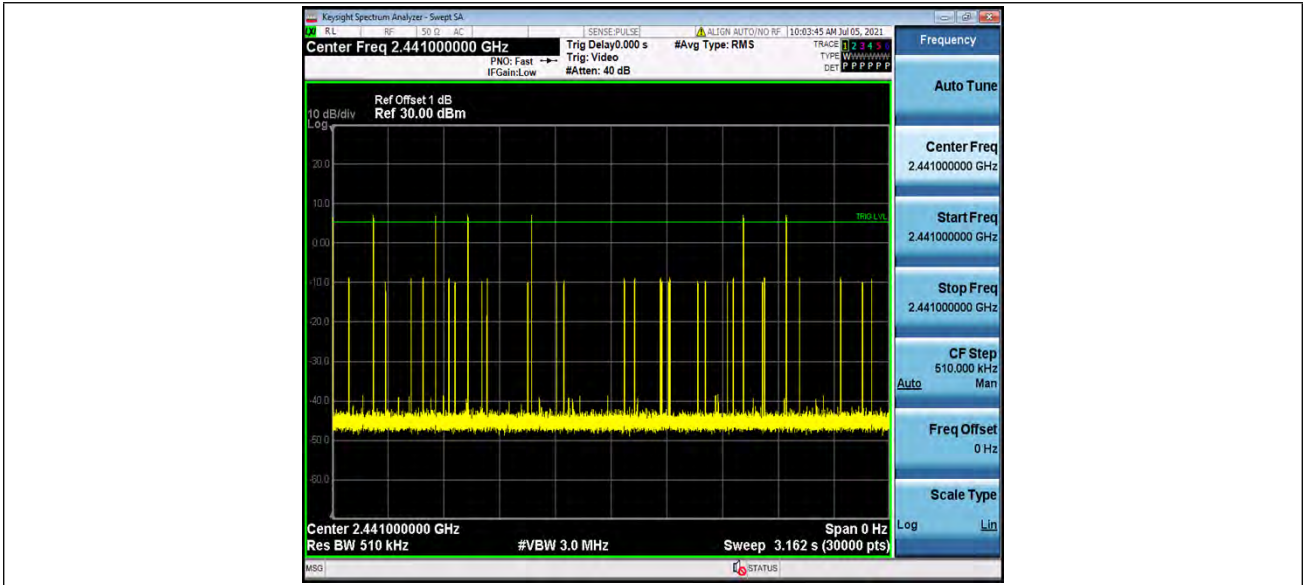
3DH3_Ant1_Hop





3DH5_Ant1_Hop

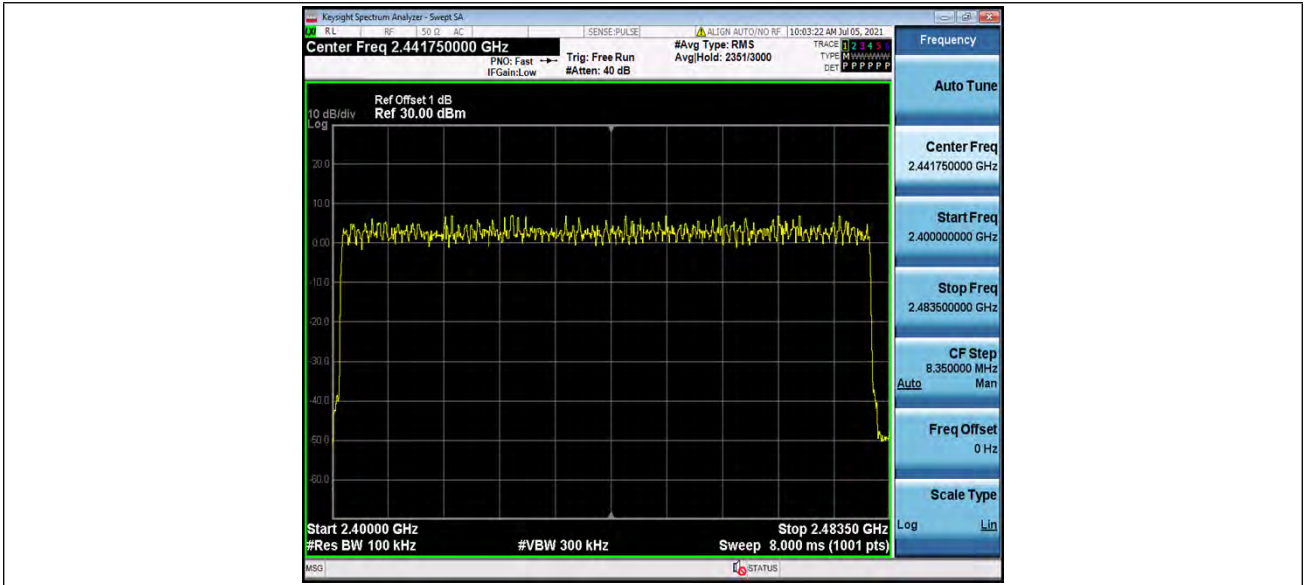




Appendix F: Number of hopping channels

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



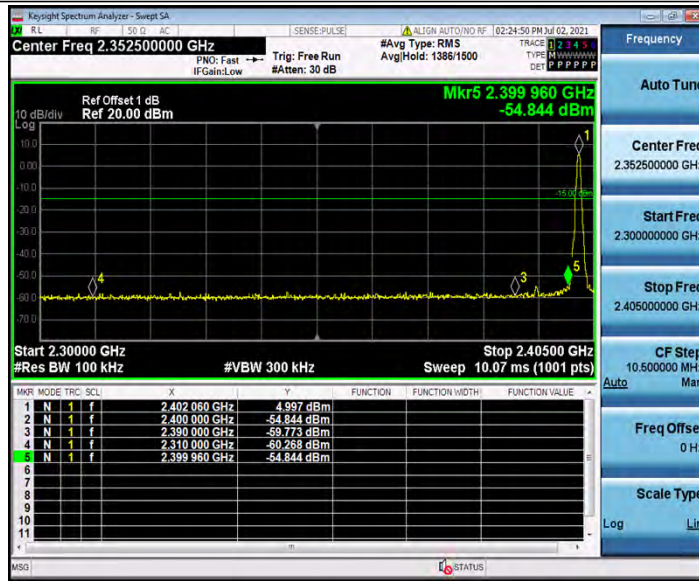
Appendix G: Band edge measurements

Test Result

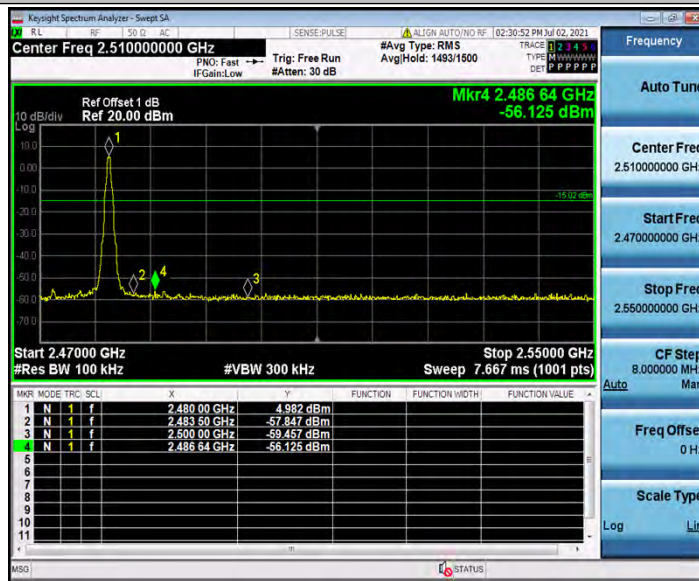
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.00	-54.84	<=-15	PASS
		High	2480	4.98	-56.13	<=-15.02	PASS
		Low	Hop_2402	6.08	-57.46	<=-13.92	PASS
		High	Hop_2480	6.38	-56.8	<=-13.62	PASS
2DH5	Ant1	Low	2402	5.49	-53.47	<=-14.51	PASS
		High	2480	5.51	-57.05	<=-14.49	PASS
		Low	Hop_2402	6.20	-56.78	<=-13.8	PASS
		High	Hop_2480	7.04	-57.34	<=-12.96	PASS
3DH5	Ant1	Low	2402	5.47	-53.62	<=-14.53	PASS
		High	2480	5.59	-49.55	<=-14.41	PASS
		Low	Hop_2402	4.98	-57.06	<=-15.02	PASS
		High	Hop_2480	4.89	-56.94	<=-15.11	PASS

Test Graphs

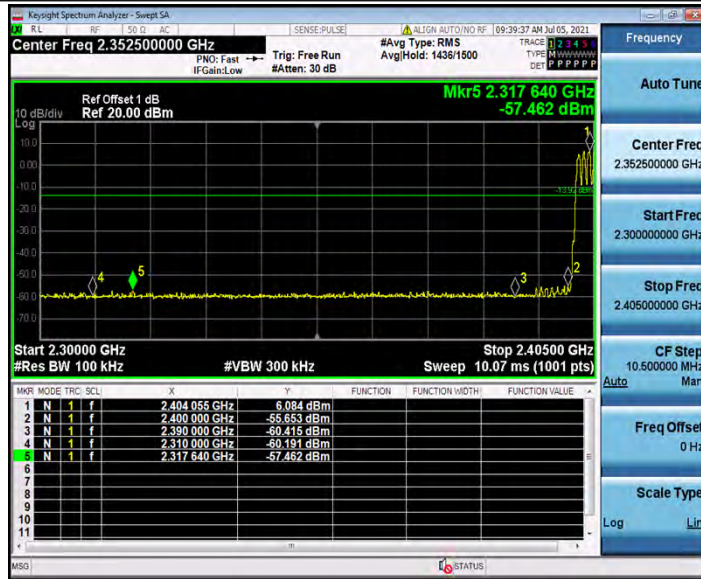
DH5_Ant1_Low_2402



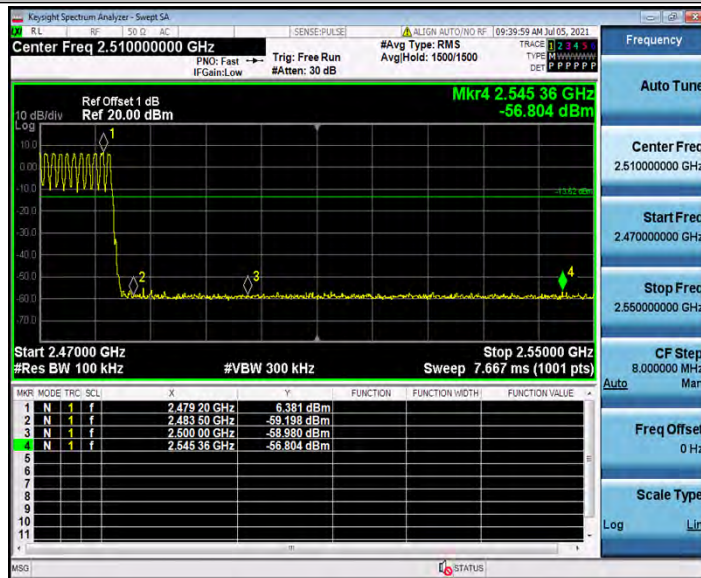
DH5_Ant1_High_2480



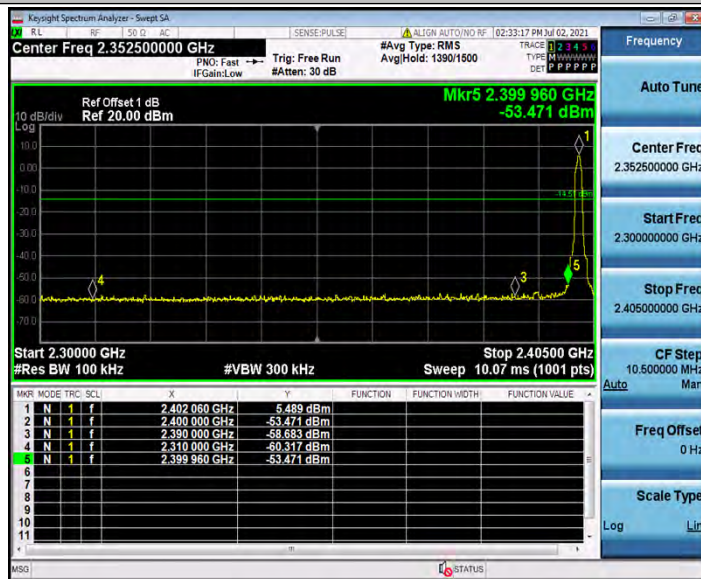
DH5_Ant1_Low_Hop_2402



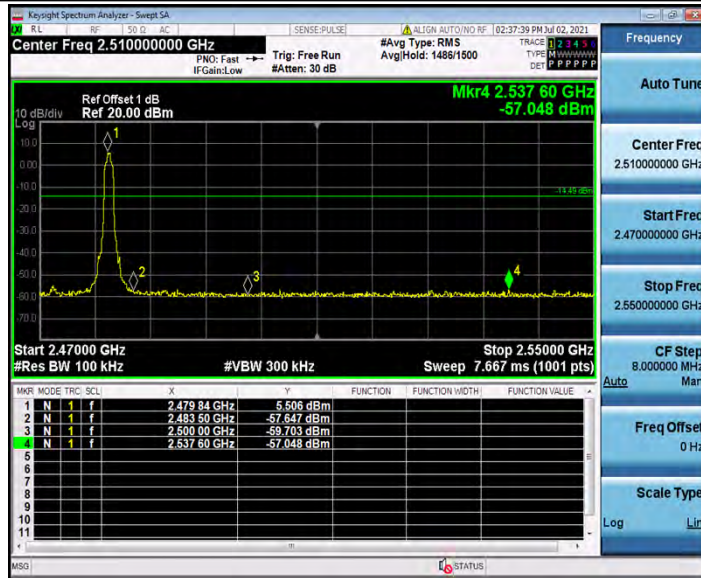
DH5_Ant1_High_Hop_2480



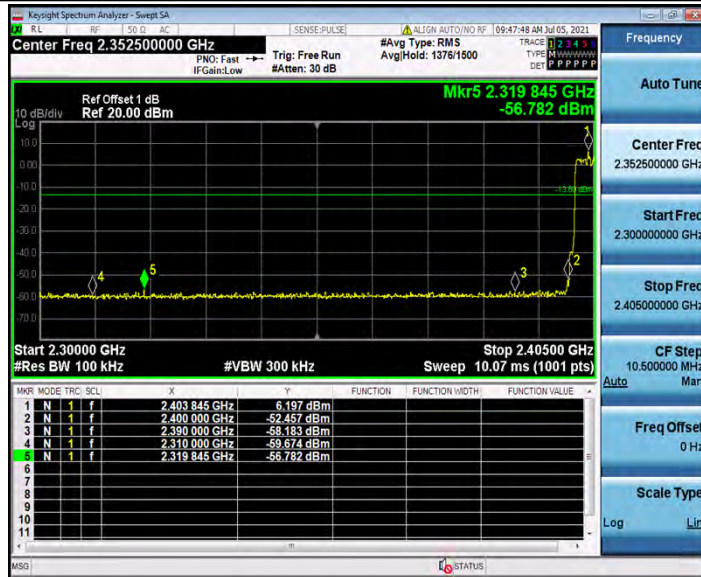
2DH5_Ant1_Low_2402



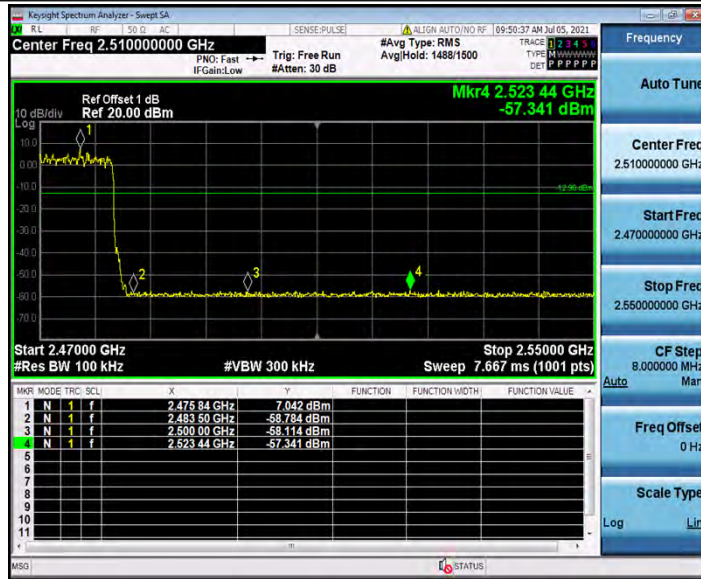
2DH5_Ant1_High_2480



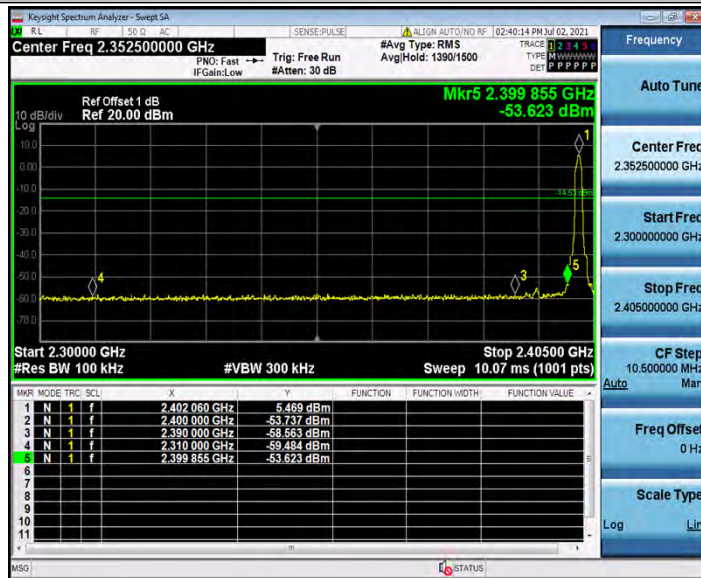
2DH5_Ant1_Low_Hop_2402



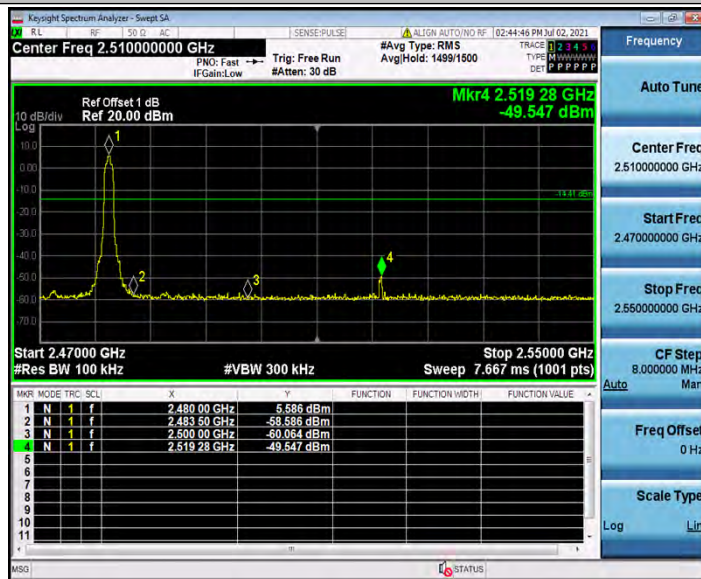
2DH5_Ant1_High_Hop_2480



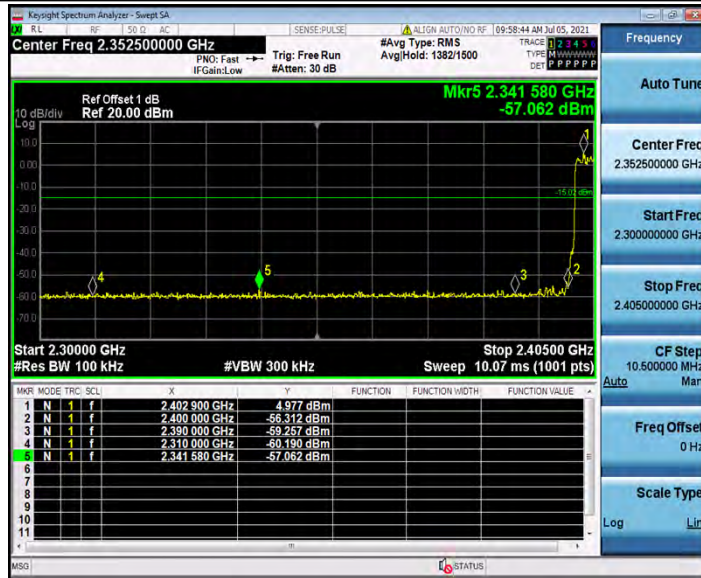
3DH5_Ant1_Low_2402



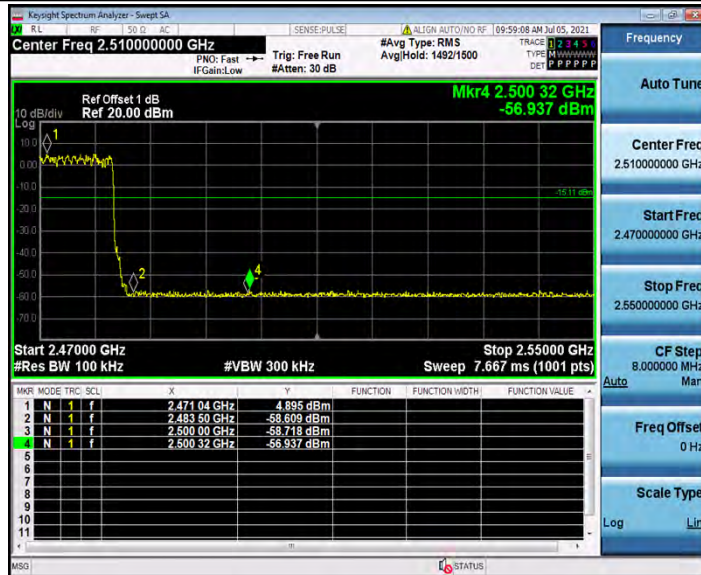
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	5.74	5.74	---	PASS
			30~3000	5.74	-46.57	<=-14.26	PASS
			3000~26500	5.74	-36.83	<=-14.26	PASS
		2441	Reference	6.11	6.11	---	PASS
			30~3000	6.11	-47.07	<=-13.89	PASS
			3000~26500	6.11	-35.97	<=-13.89	PASS
		2480	Reference	6.43	6.43	---	PASS
			30~3000	6.43	-47.6	<=-13.58	PASS
			3000~26500	6.43	-36.34	<=-13.58	PASS
2DH5	Ant1	2402	Reference	6.31	6.31	---	PASS
			30~3000	6.31	-47.34	<=-13.7	PASS
			3000~26500	6.31	-36.94	<=-13.7	PASS
		2441	Reference	6.32	6.32	---	PASS
			30~3000	6.32	-47.34	<=-13.68	PASS
			3000~26500	6.32	-36.24	<=-13.68	PASS
		2480	Reference	6.63	6.63	---	PASS
			30~3000	6.63	-47.1	<=-13.37	PASS
			3000~26500	6.63	-37.54	<=-13.37	PASS
3DH5	Ant1	2402	Reference	6.34	6.34	---	PASS
			30~3000	6.34	-47.5	<=-13.66	PASS
			3000~26500	6.34	-36.45	<=-13.66	PASS
		2441	Reference	6.06	6.06	---	PASS
			30~3000	6.06	-47.61	<=-13.94	PASS
			3000~26500	6.06	-37.06	<=-13.94	PASS
		2480	Reference	6.78	6.78	---	PASS
			30~3000	6.78	-47.36	<=-13.22	PASS
			3000~26500	6.78	-36.83	<=-13.22	PASS

Test Graphs

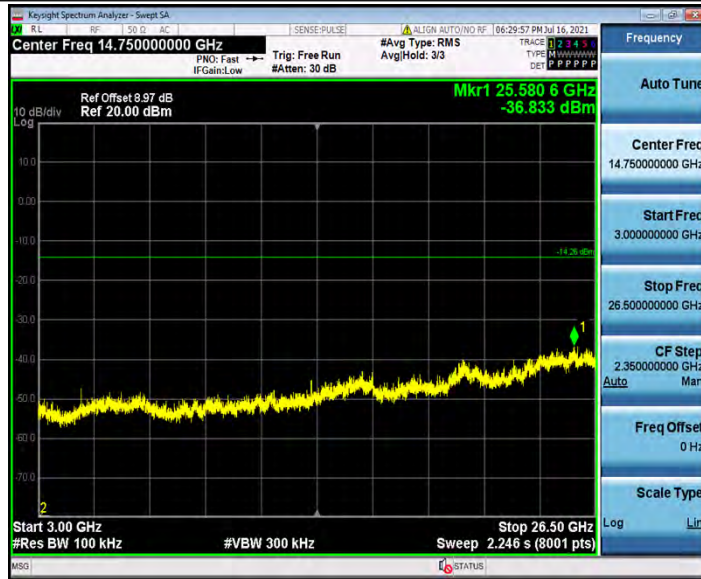
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~3000



DH5_Ant1_2402_3000~26500



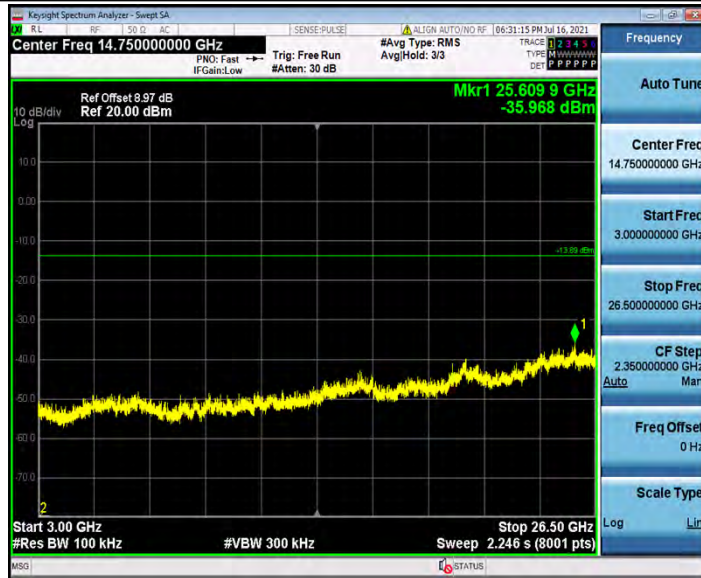
DH5_Ant1_2441_0-Reference



DH5_Ant1_2441_30~3000



DH5_Ant1_2441_3000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~3000



DH5_Ant1_2480_3000~26500



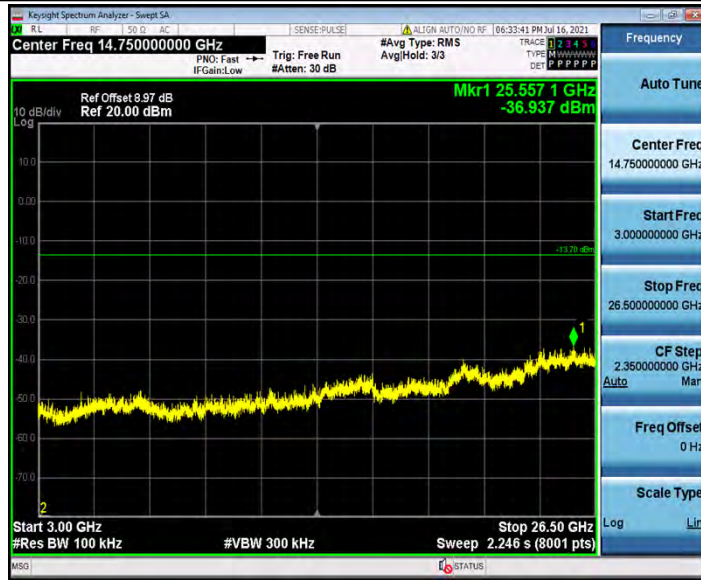
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~3000



2DH5_Ant1_2402_3000~26500



2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~3000



2DH5_Ant1_2441_3000~26500



2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~3000



2DH5_Ant1_2480_3000~26500



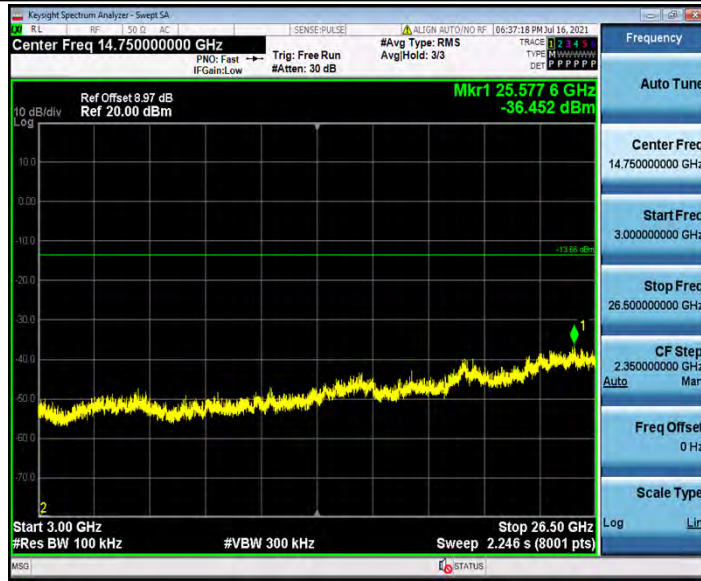
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~3000



3DH5_Ant1_2402_3000~26500



3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~3000



3DH5_Ant1_2441_3000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~3000



3DH5_Ant1_2480_3000~26500



***** End *****