



Appendix A

RF Test Data for BT V4.2(BDR/EDR) (Conducted Measurement)

Product Name: Trolley Speaker

Test Model: DB180D

Environmental Conditions

Temperature:	21.6 ° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

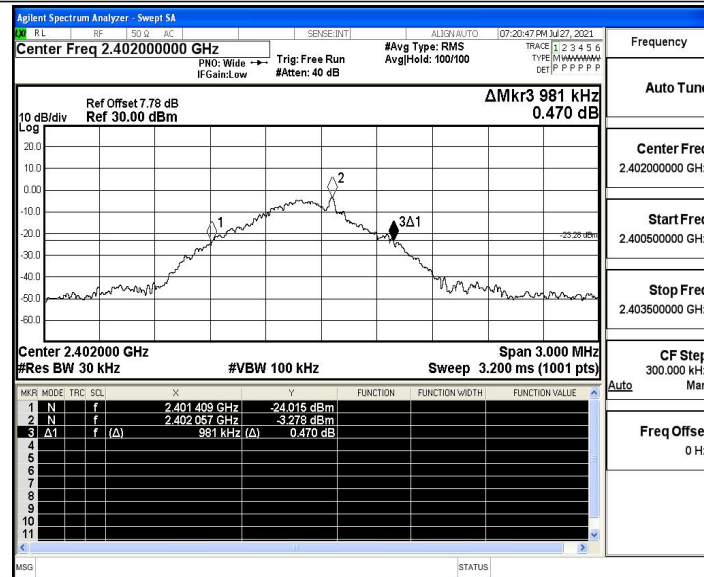
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.981	2401.409	2402.390	---	PASS
		2441	0.954	2440.424	2441.378	---	PASS
		2480	1.041	2479.379	2480.420	---	PASS
2DH5	Ant1	2402	1.278	2401.253	2402.531	---	PASS
		2441	1.305	2440.238	2441.543	---	PASS
		2480	1.275	2479.259	2480.534	---	PASS
3DH5	Ant1	2402	1.299	2401.235	2402.534	---	PASS
		2441	1.311	2440.229	2441.540	---	PASS
		2480	1.350	2479.211	2480.561	---	PASS

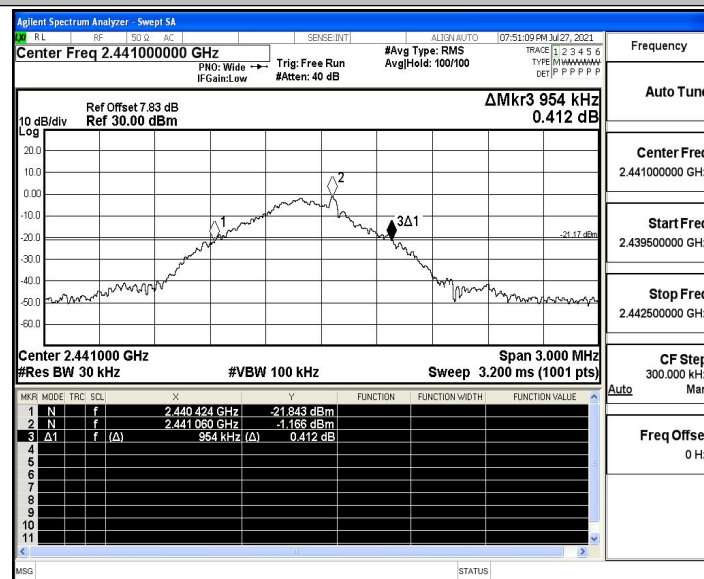


Test Graphs

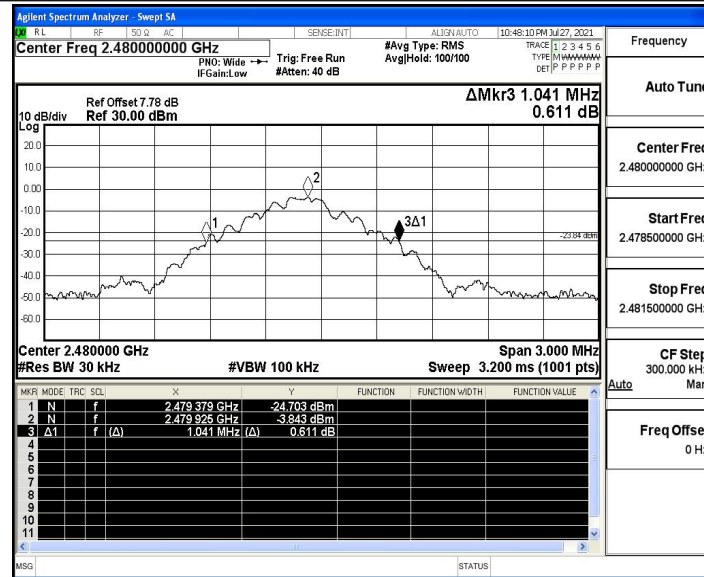
DH5_Ant1_2402



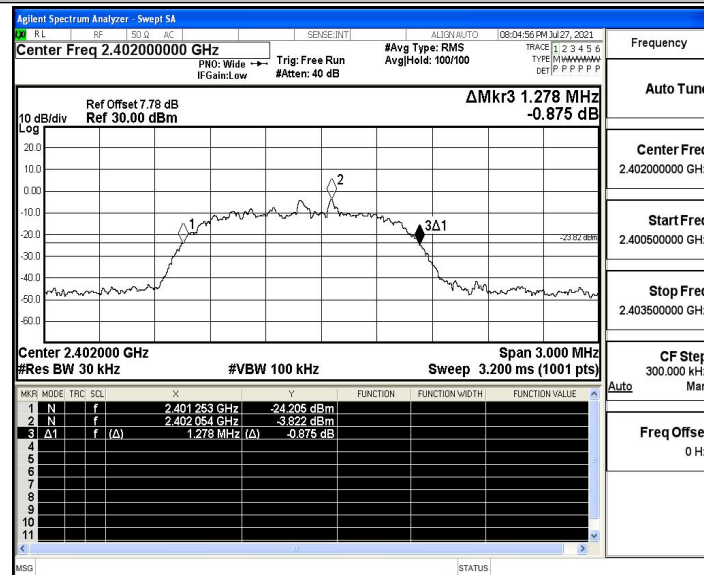
DH5_Ant1_2441



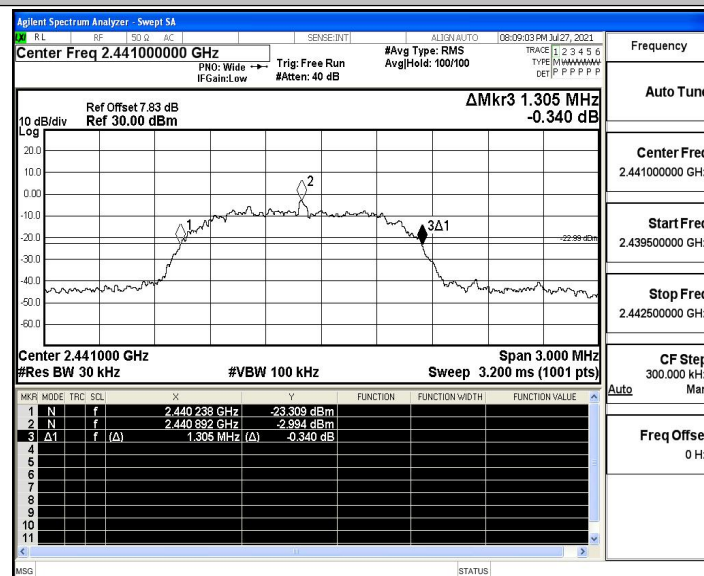
DH5_Ant1_2480



2DH5_Ant1_2402

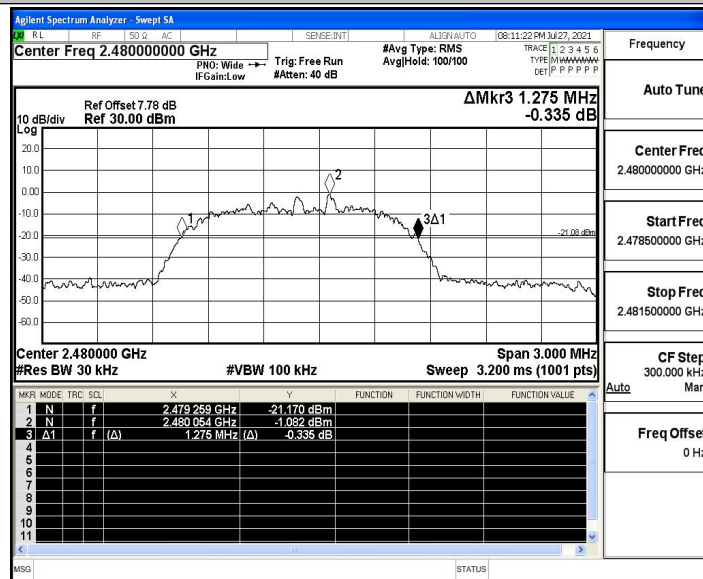


2DH5_Ant1_2441

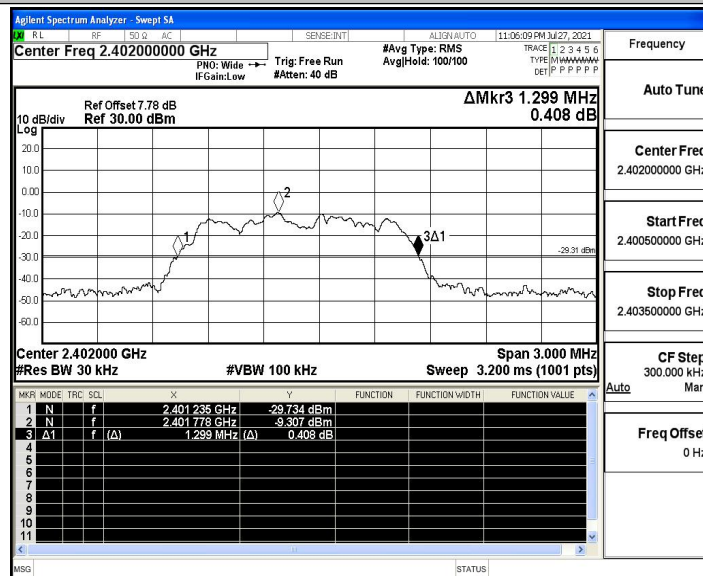




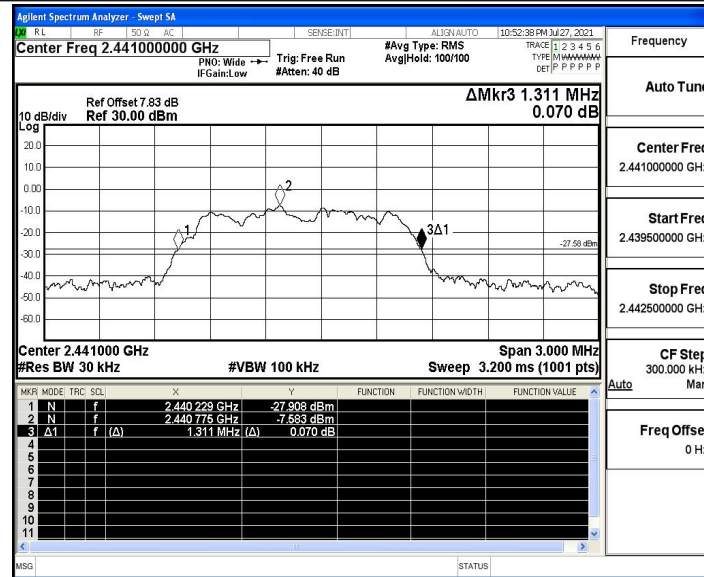
2DH5_Ant1_2480



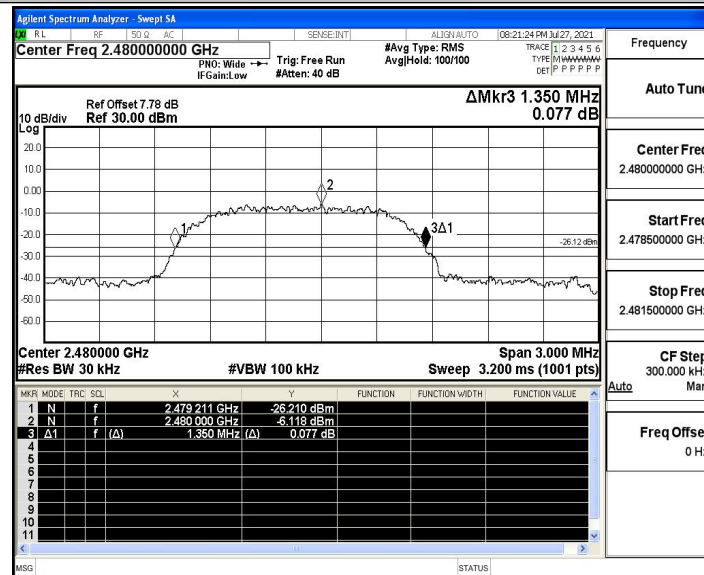
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Maximum conducted output power

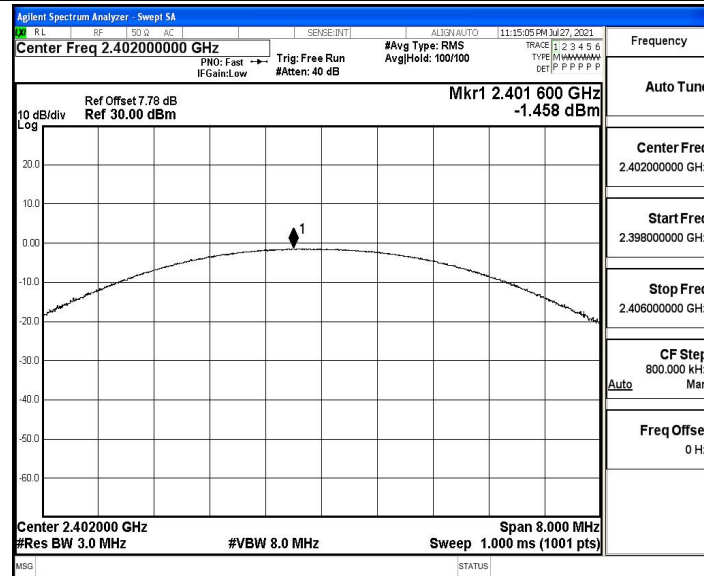
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.46	≤ 20.97	PASS
		2441	0.28	≤ 20.97	PASS
		2480	0.86	≤ 20.97	PASS
2DH5	Ant1	2402	-0.20	≤ 30	PASS
		2441	1.49	≤ 30	PASS
		2480	2.03	≤ 30	PASS
3DH5	Ant1	2402	0.25	≤ 20.97	PASS
		2441	1.78	≤ 20.97	PASS
		2480	2.30	≤ 20.97	PASS

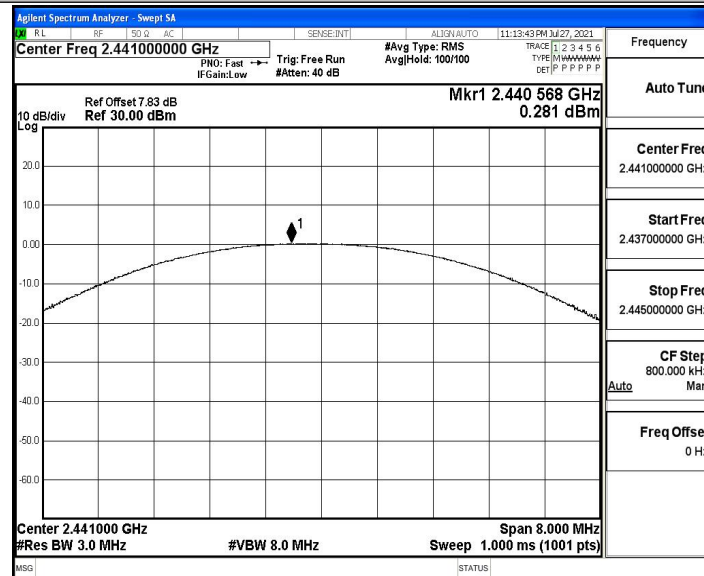


Test Graphs

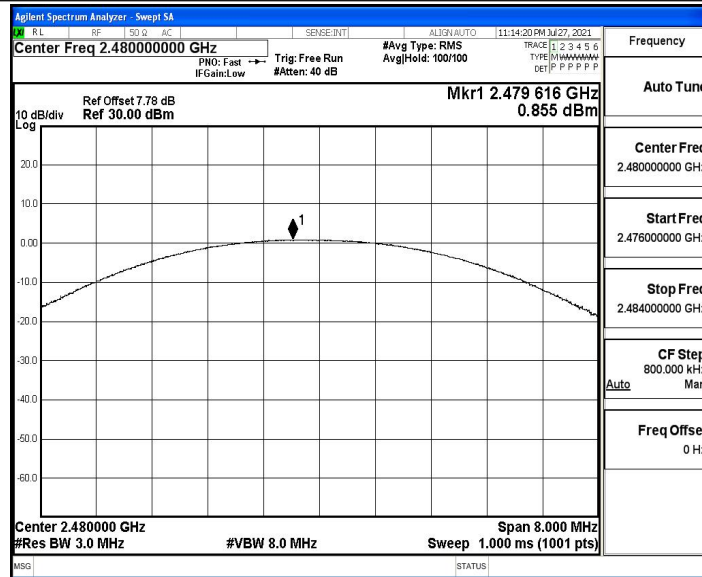
DH5_Ant1_2402



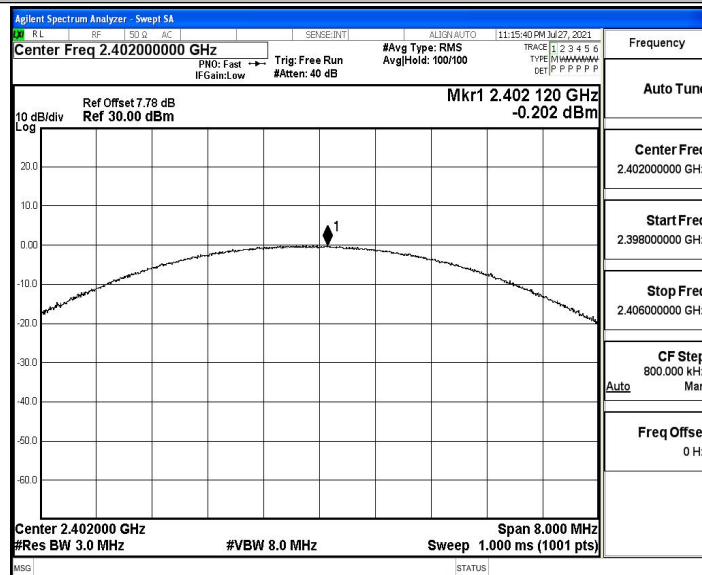
DH5_Ant1_2441



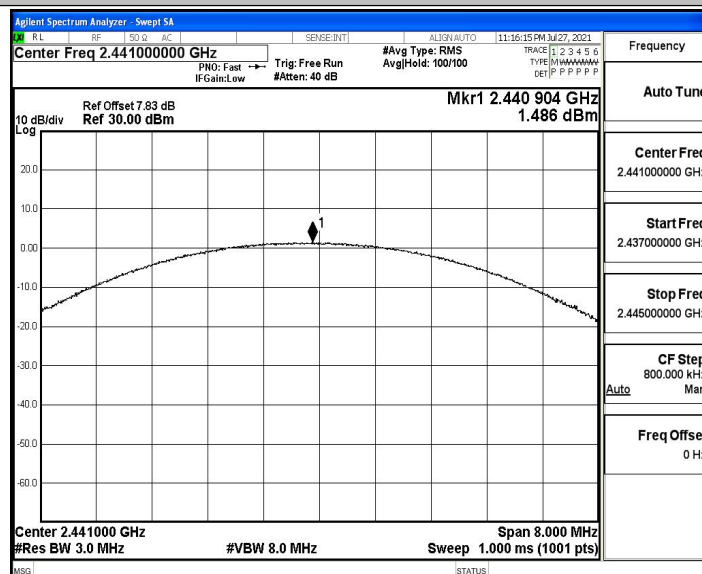
DH5_Ant1_2480



2DH5_Ant1_2402

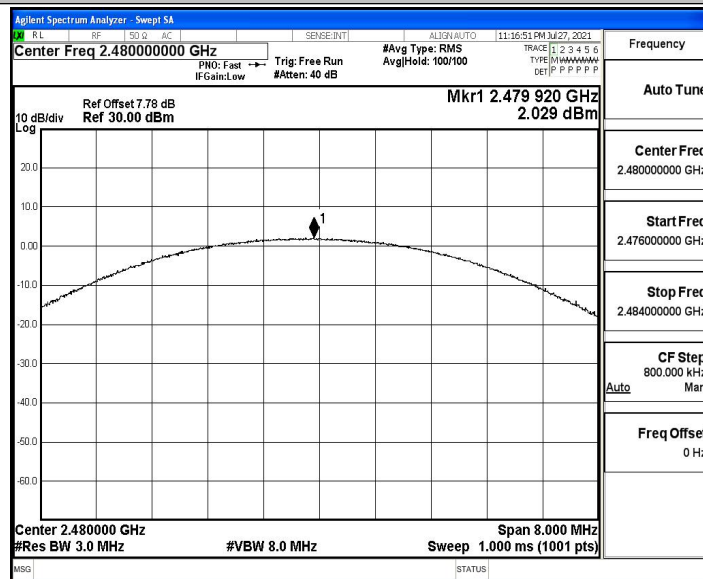


2DH5_Ant1_2441

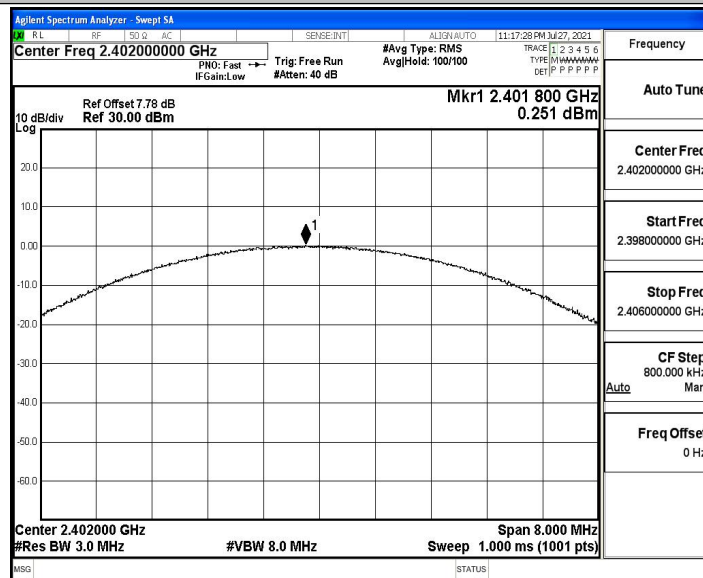




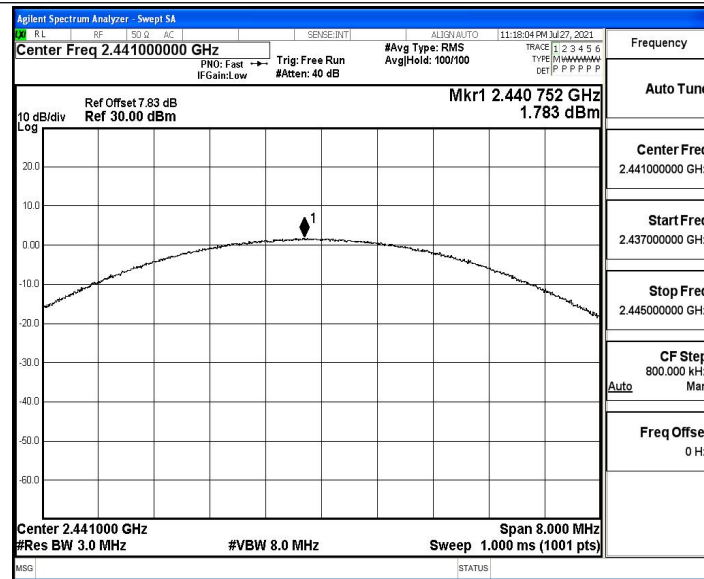
2DH5_Ant1_2480



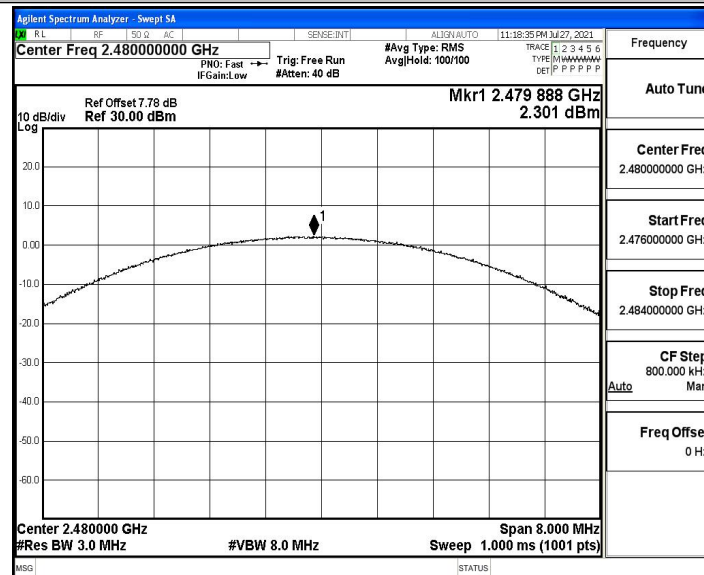
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



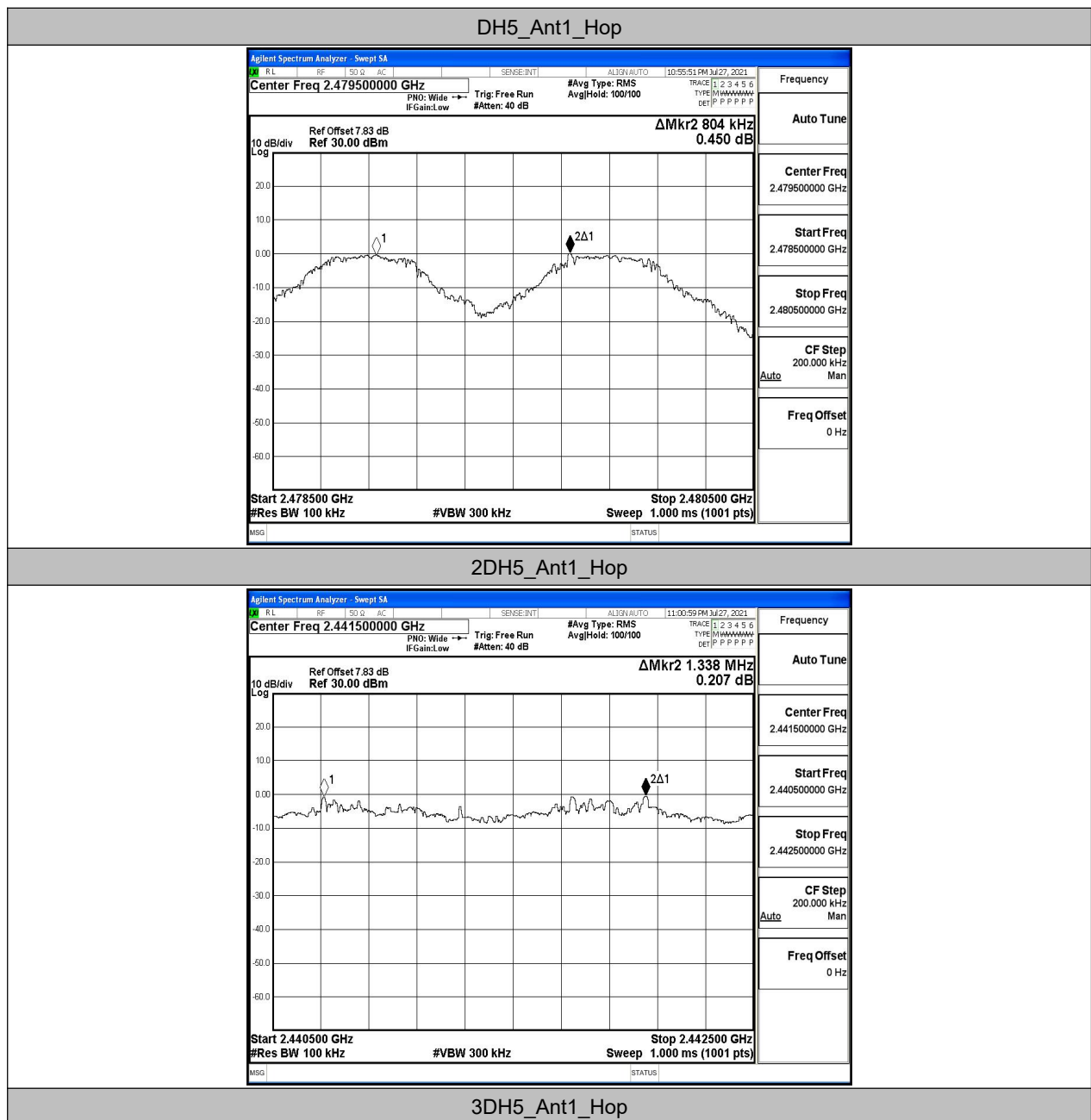


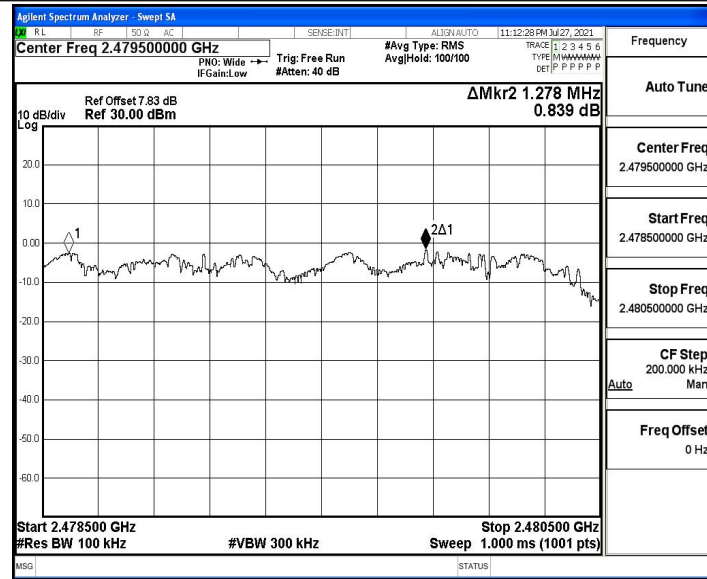
A.4 Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.804	≥ 0.694	PASS
2DH5	Ant1	Hop	1.338	≥ 1.305	PASS
3DH5	Ant1	Hop	1.278	≥ 0.900	PASS

Test Graphs





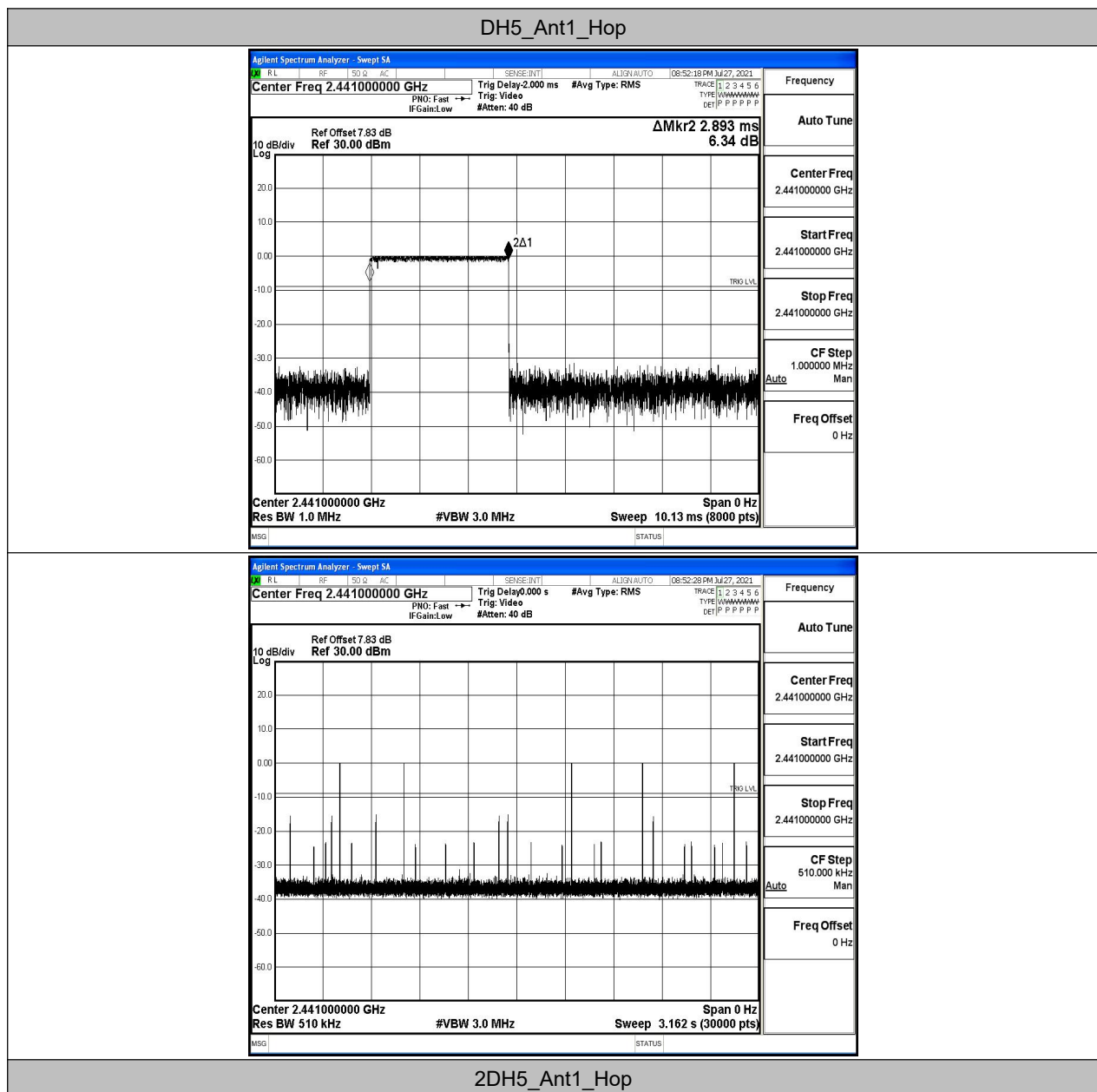


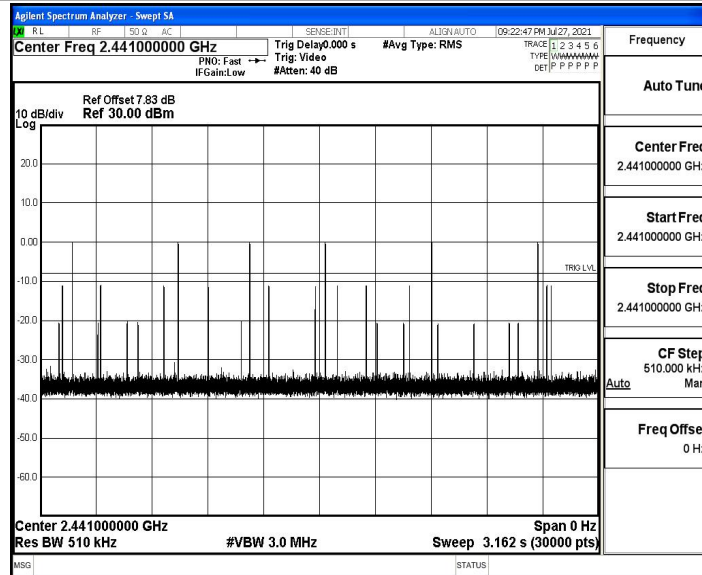
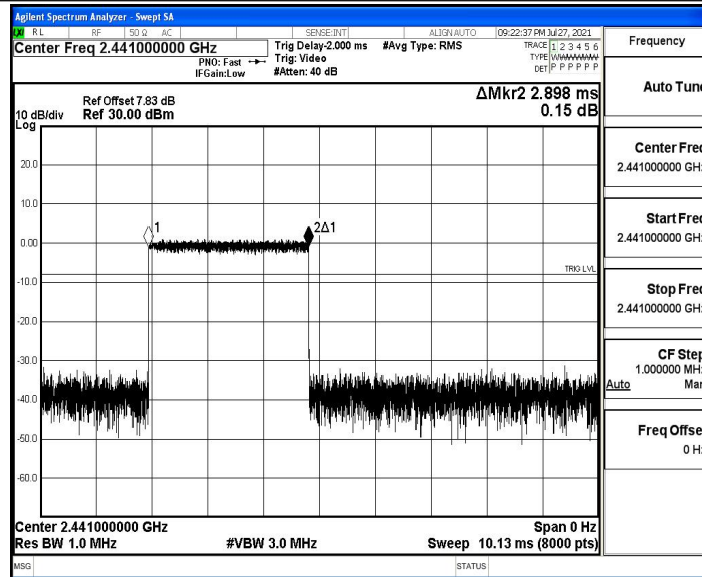
A.5 Time of occupancy

Test Result

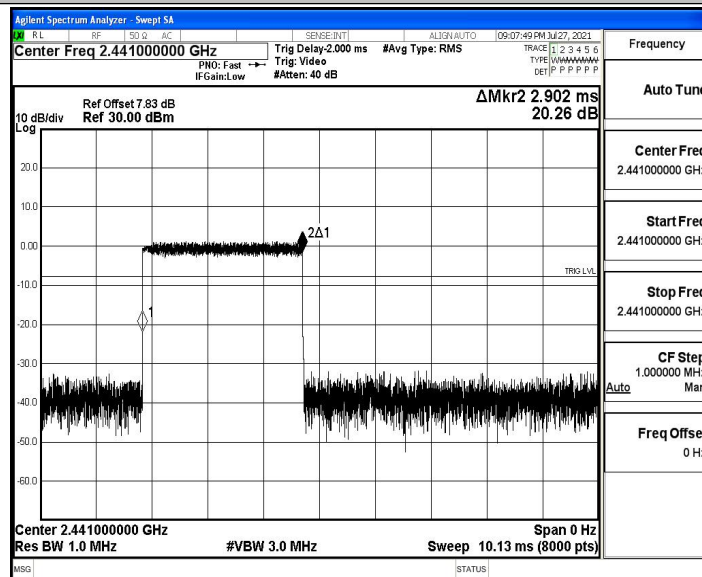
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	60	0.174	≤0.4	PASS
2DH5	Ant1	Hop	2.90	70	0.203	≤0.4	PASS
3DH5	Ant1	Hop	2.90	90	0.261	≤0.4	PASS

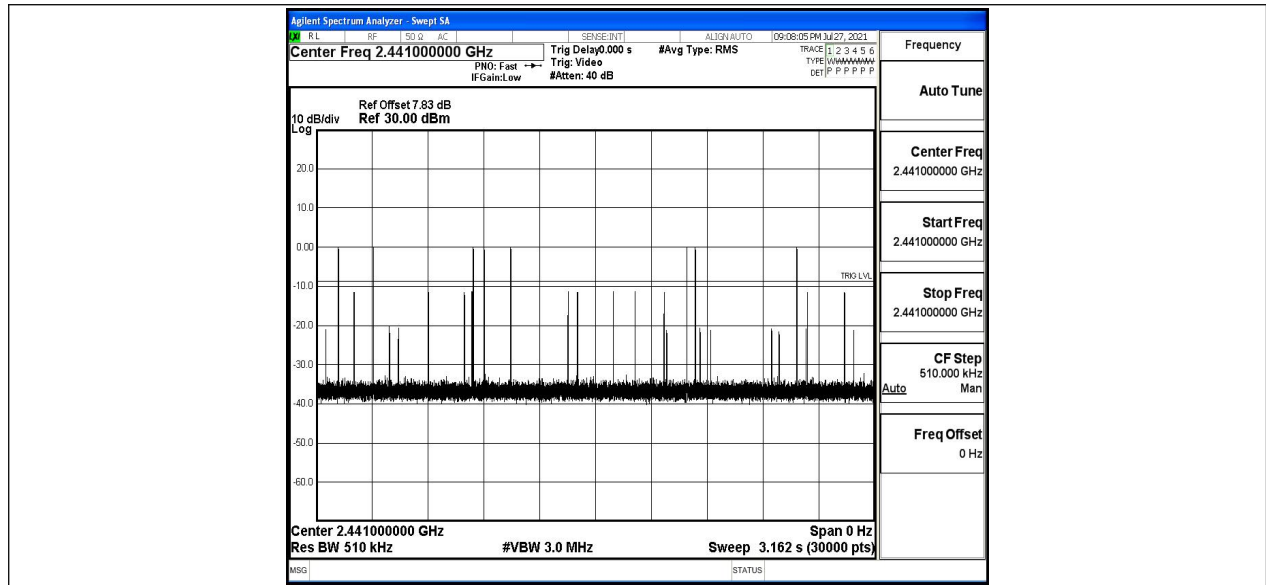
Test Graphs





3DH5_Ant1_Hop





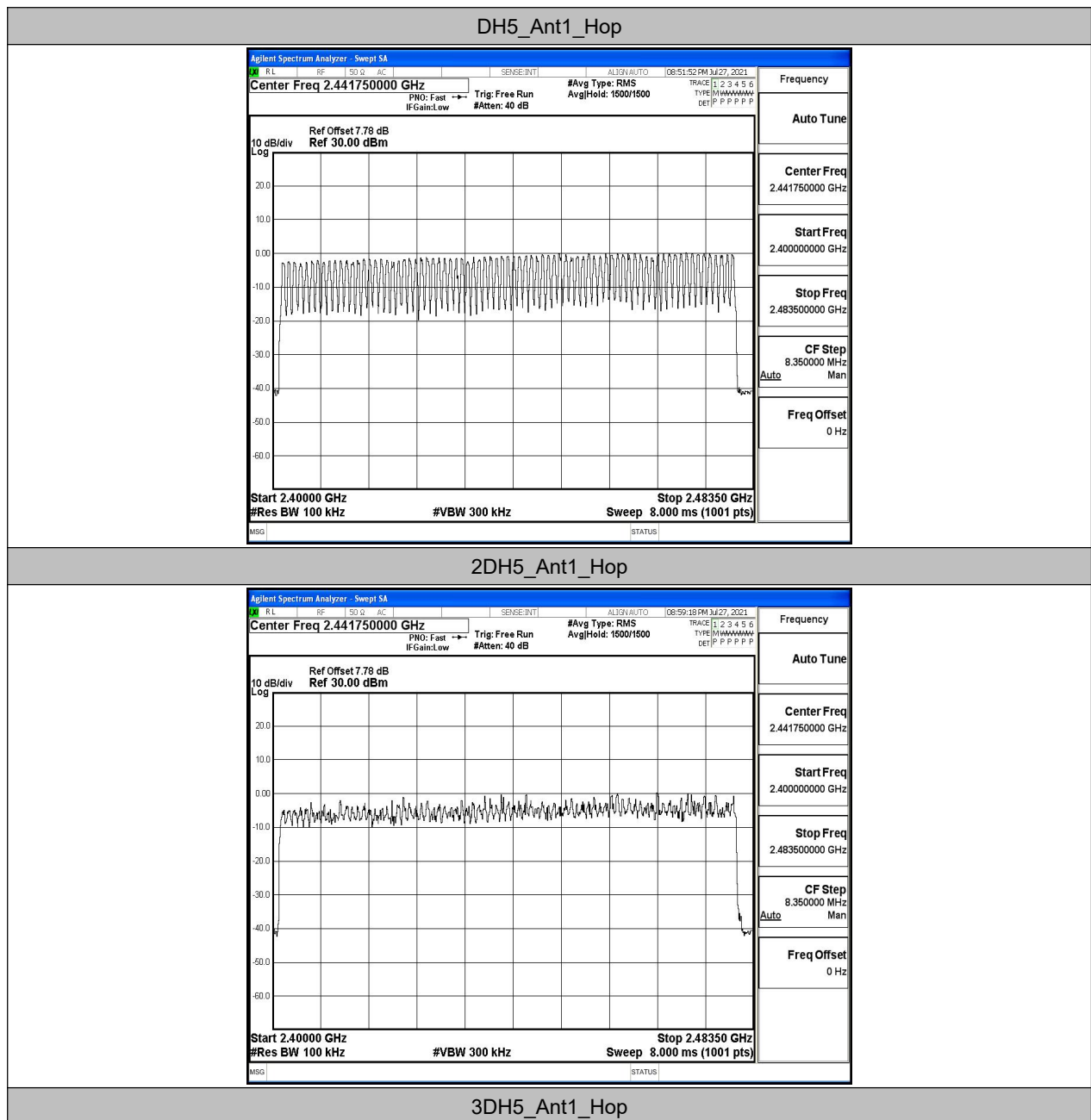


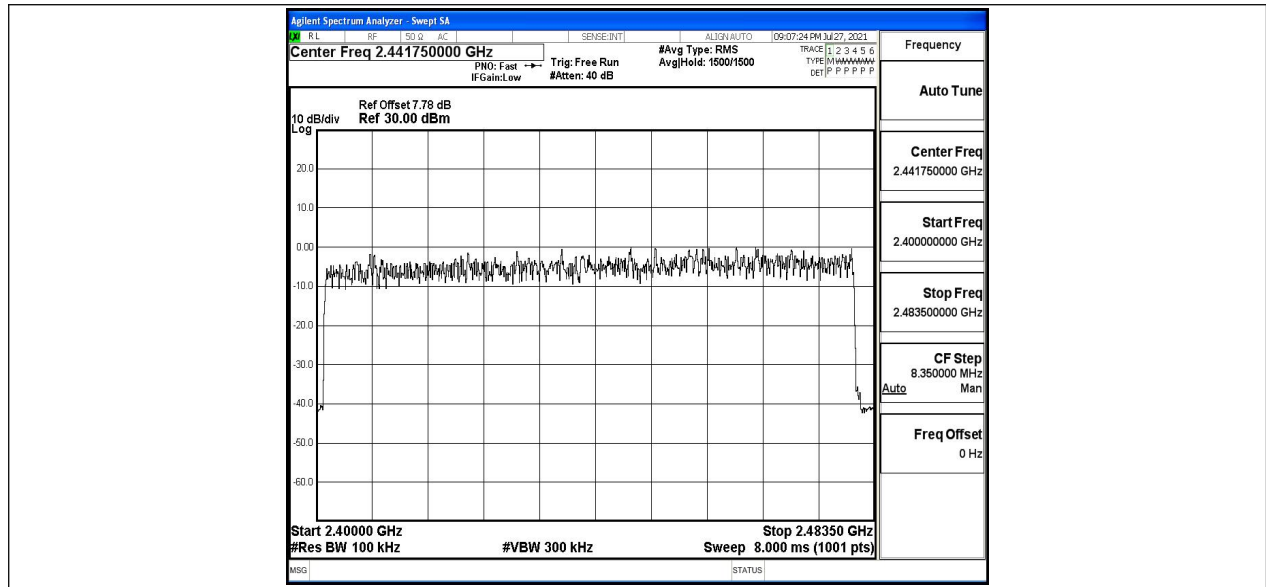
A.6 Number of hopping channels

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

Test Graphs







A.7 Band edge measurements

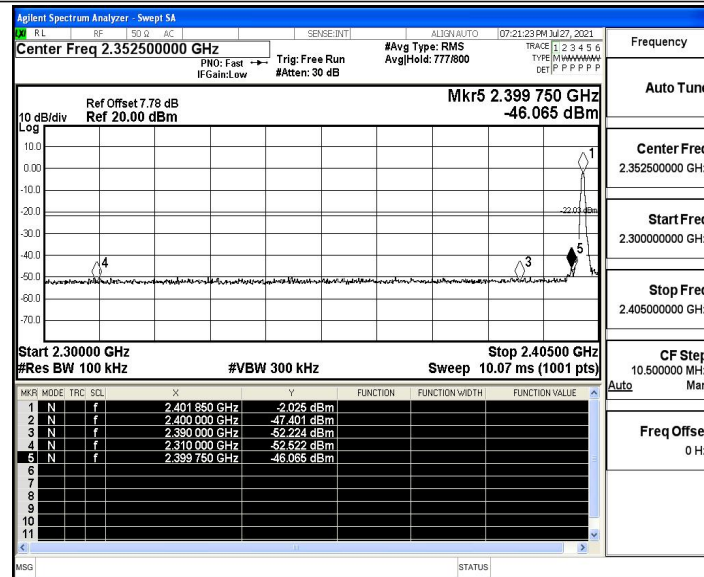
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.03	-46.07	≤ -22.03	PASS
		High	2480	-0.07	-48.25	≤ -20.07	PASS
		Low	Hop_2402	-2.53	-49.75	≤ -22.53	PASS
		High	Hop_2480	-0.27	-48.18	≤ -20.27	PASS
2DH5	Ant1	Low	2402	-2.20	-47.8	≤ -22.2	PASS
		High	2480	0.18	-48.12	≤ -19.82	PASS
		Low	Hop_2402	-2.50	-49.95	≤ -22.5	PASS
		High	Hop_2480	-0.72	-48.09	≤ -20.72	PASS
3DH5	Ant1	Low	2402	-5.04	-47.5	≤ -25.04	PASS
		High	2480	0.38	-48.68	≤ -19.62	PASS
		Low	Hop_2402	-5.00	-49.63	≤ -25	PASS
		High	Hop_2480	-2.00	-48.63	≤ -22	PASS

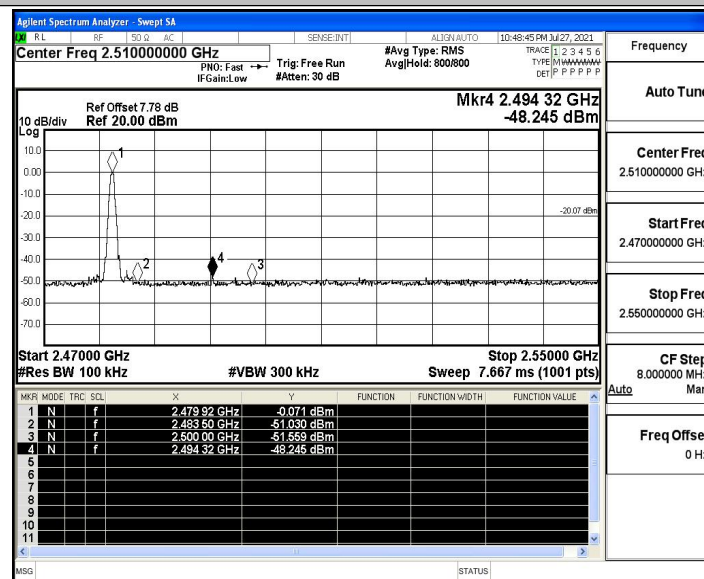


Test Graphs

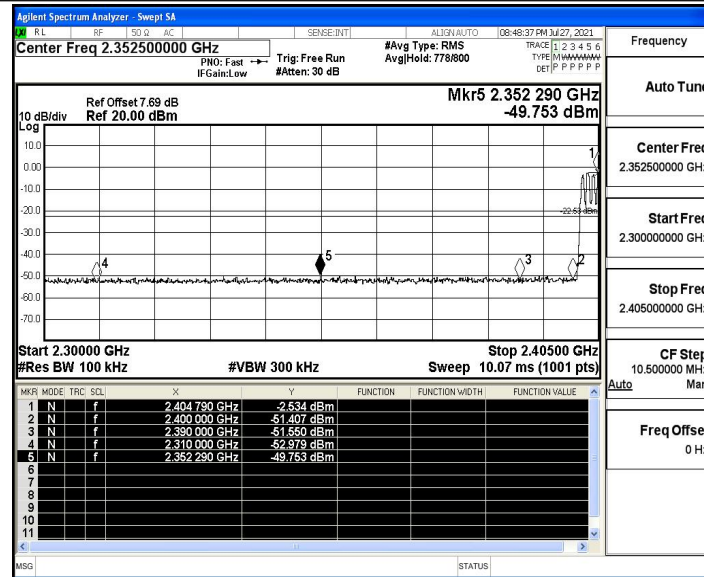
DH5_Ant1_Low_2402



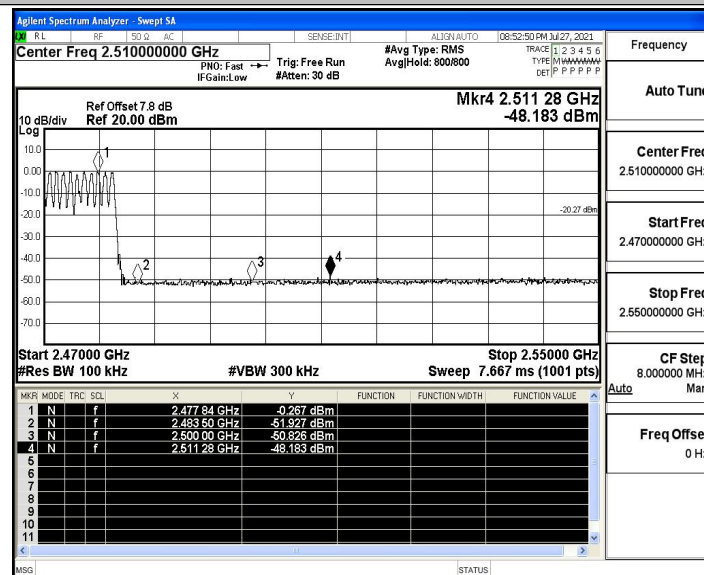
DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

