



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Bluetooth Speaker

Test Model: XJY-LY-03

Environmental Conditions

Temperature:	21.1° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

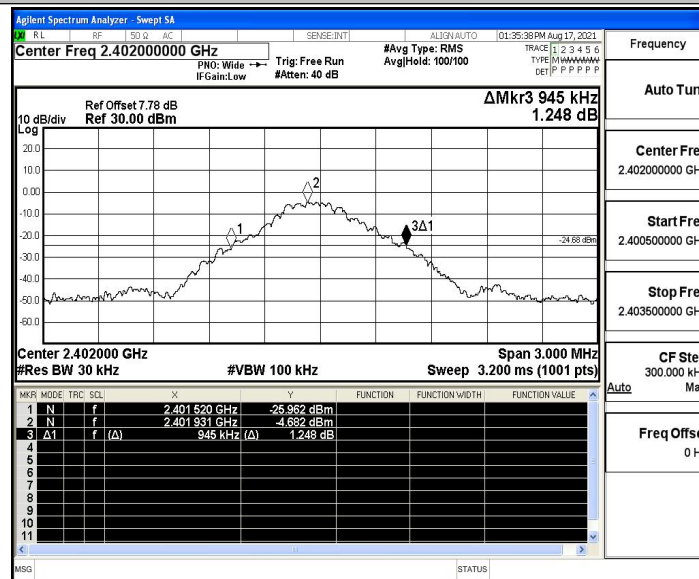
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.520	2402.465	---	PASS
		2441	0.954	2440.520	2441.474	---	PASS
		2480	0.951	2479.523	2480.474	---	PASS
2DH5	Ant1	2402	1.248	2401.364	2402.612	---	PASS
		2441	1.281	2440.352	2441.633	---	PASS
		2480	1.359	2479.304	2480.663	---	PASS
3DH5	Ant1	2402	1.278	2401.343	2402.621	---	PASS
		2441	1.350	2440.307	2441.657	---	PASS
		2480	1.305	2479.331	2480.636	---	PASS

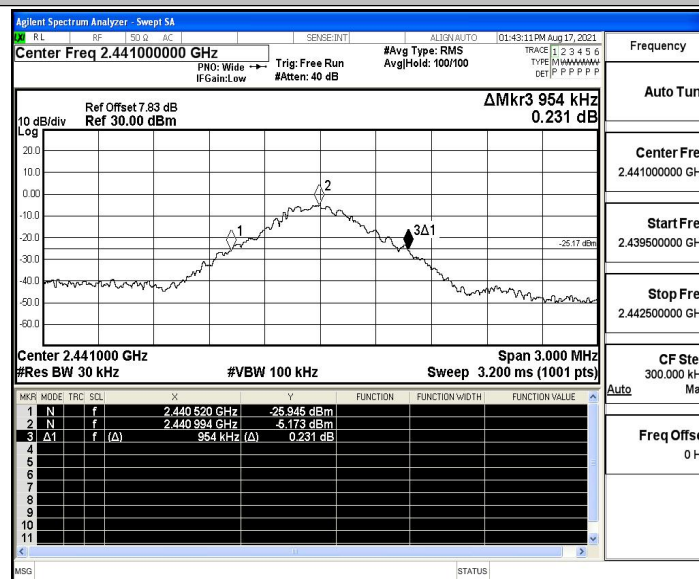


Test Graphs

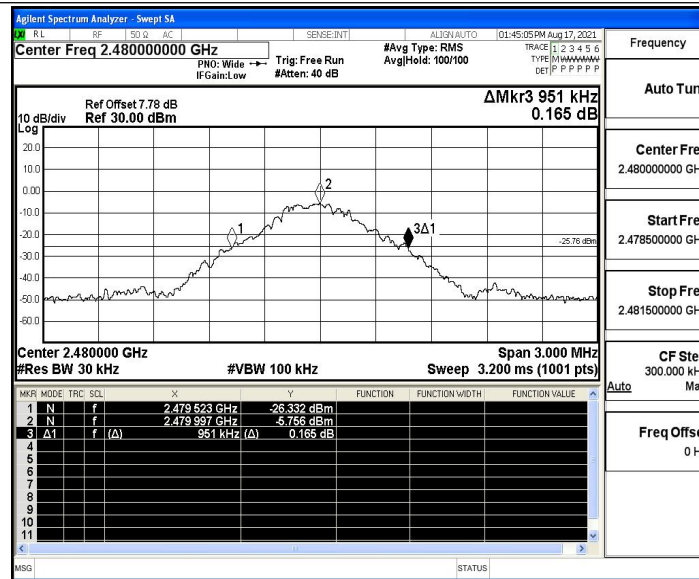
DH5_Ant1_2402



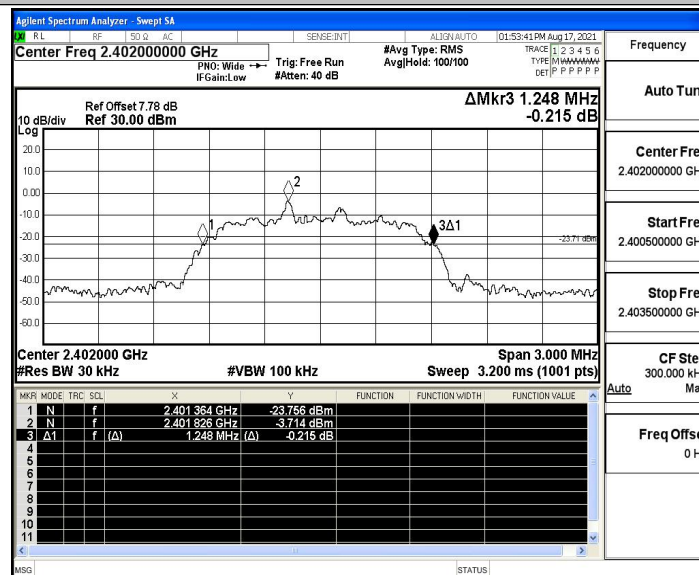
DH5_Ant1_2441



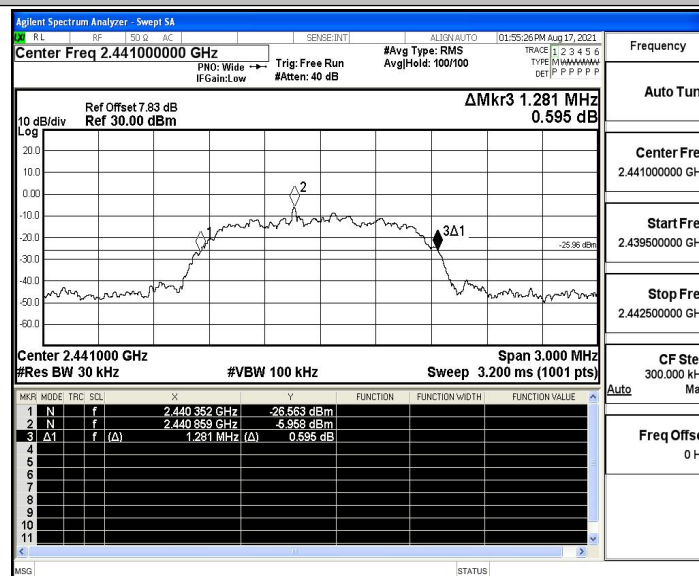
DH5_Ant1_2480



2DH5_Ant1_2402

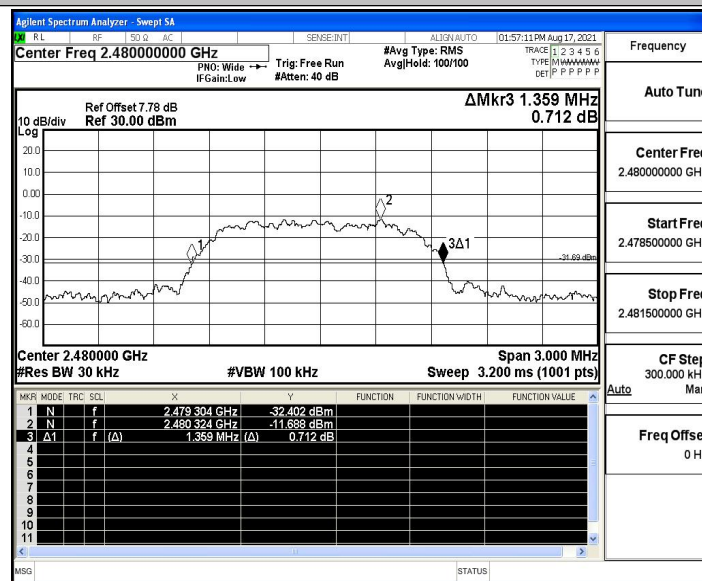


2DH5_Ant1_2441

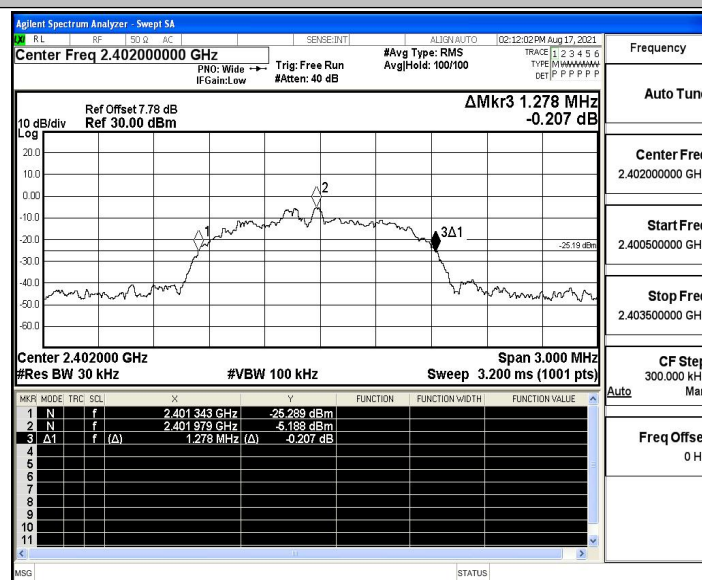




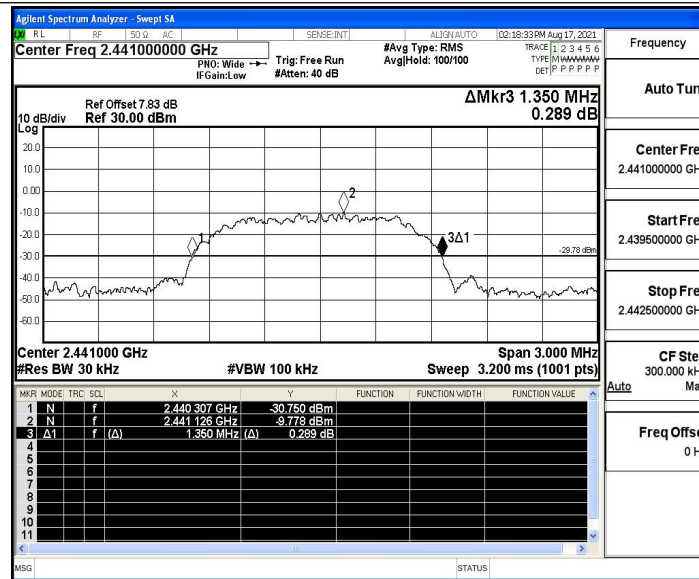
2DH5_Ant1_2480



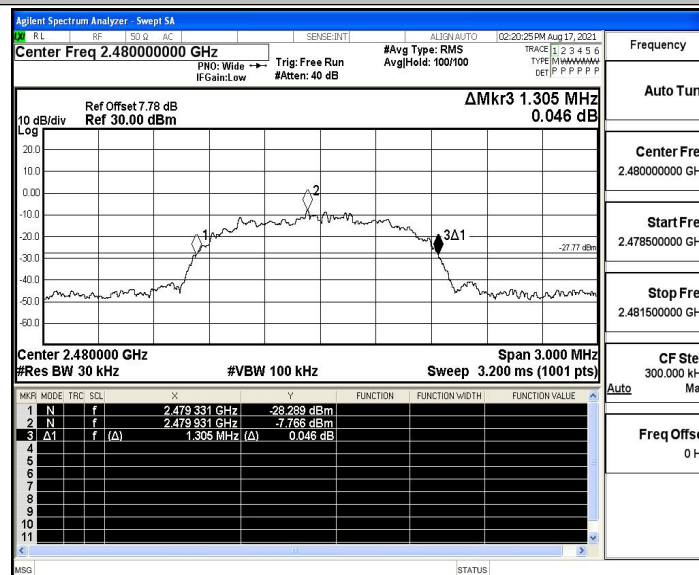
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum conducted output power

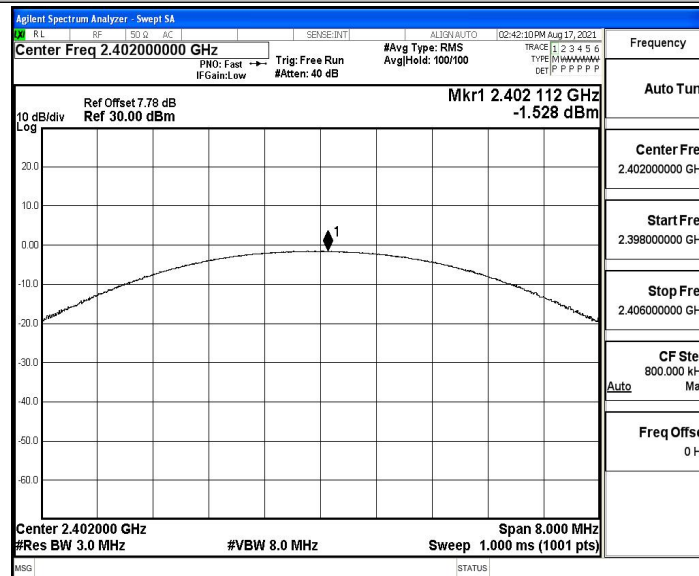
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.53	≤30	PASS
		2441	-1.97	≤30	PASS
		2480	-2.69	≤30	PASS
2DH5	Ant1	2402	-0.79	≤21	PASS
		2441	-1.31	≤21	PASS
		2480	-2.09	≤21	PASS
3DH5	Ant1	2402	-0.09	≤21	PASS
		2441	-0.62	≤21	PASS
		2480	-1.12	≤21	PASS

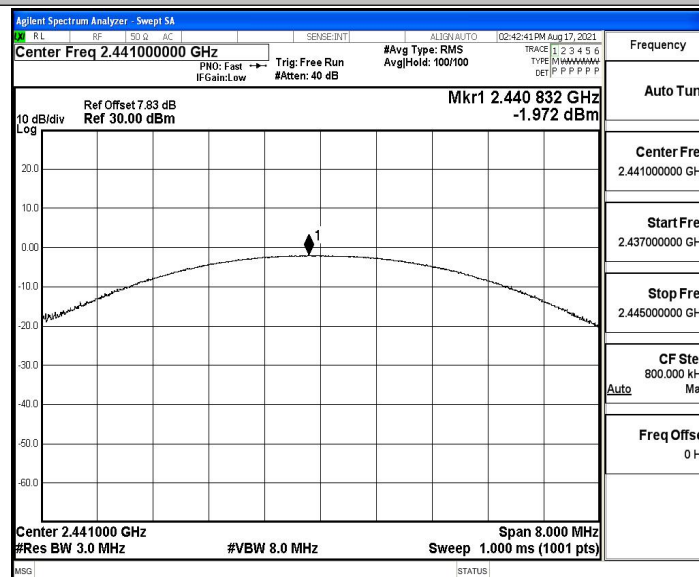


Test Graphs

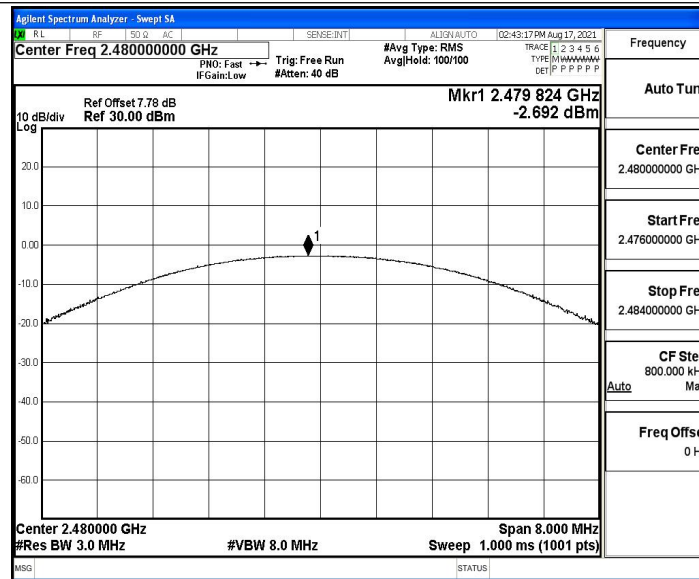
DH5_Ant1_2402



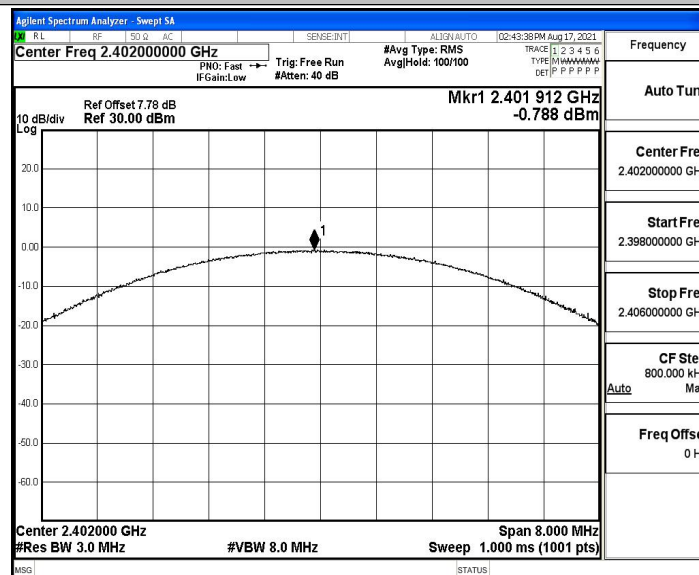
DH5_Ant1_2441



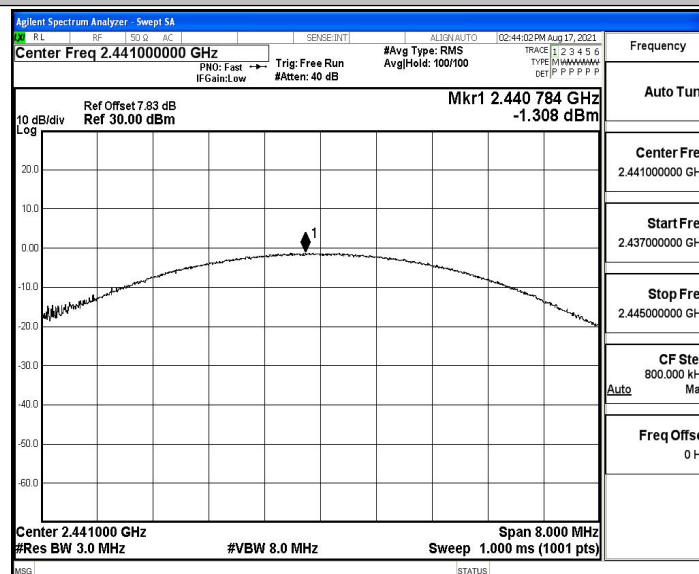
DH5_Ant1_2480



2DH5_Ant1_2402

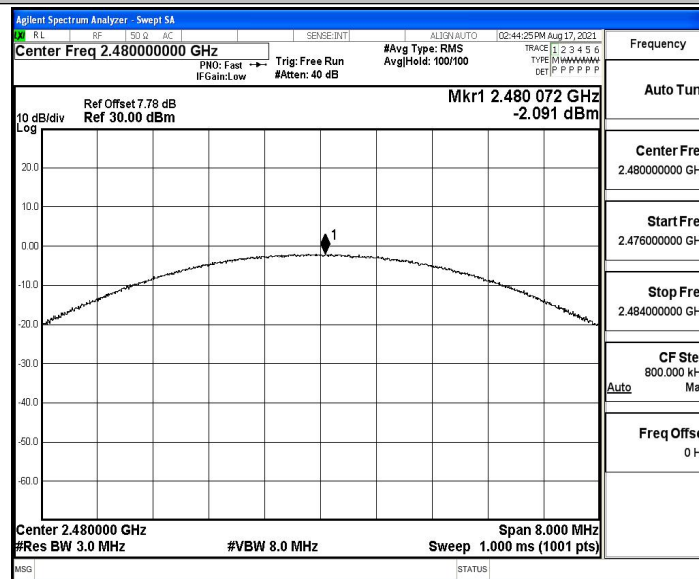


2DH5_Ant1_2441

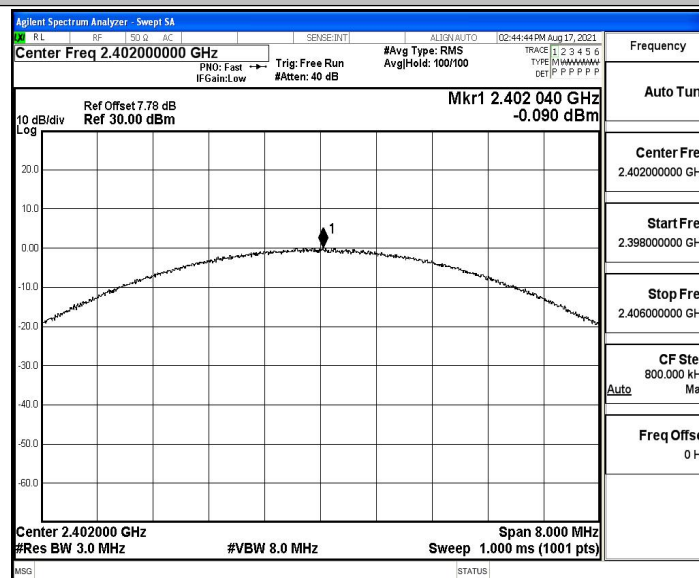




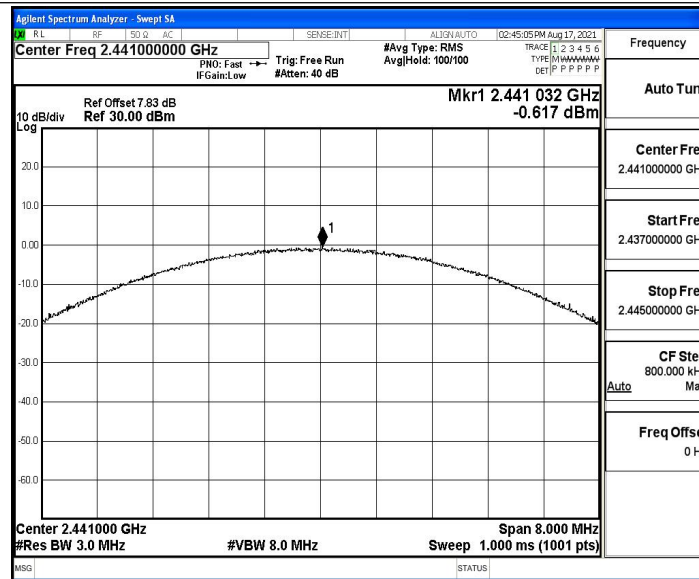
2DH5_Ant1_2480



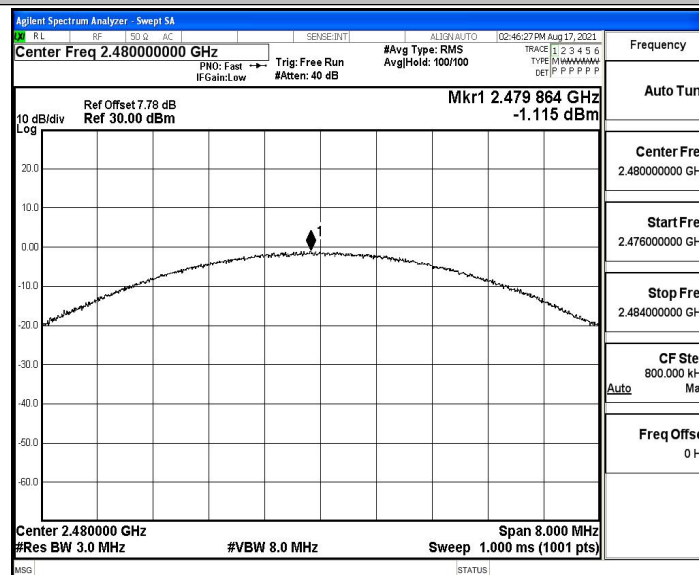
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

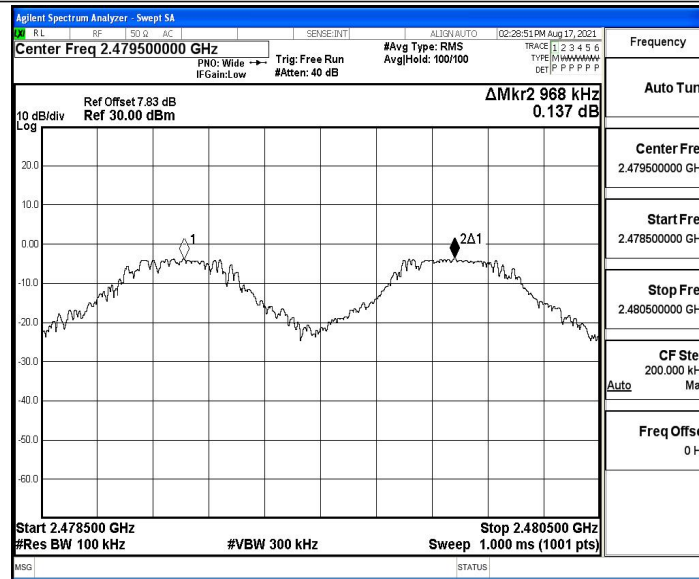
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.968	≥ 0.954	PASS
2DH5	Ant1	Hop	1.348	≥ 0.906	PASS
3DH5	Ant1	Hop	0.994	≥ 0.900	PASS

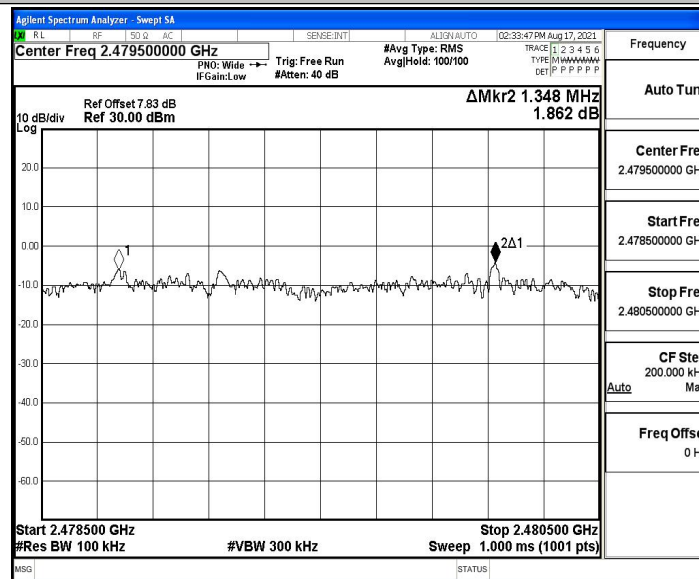


Test Graphs

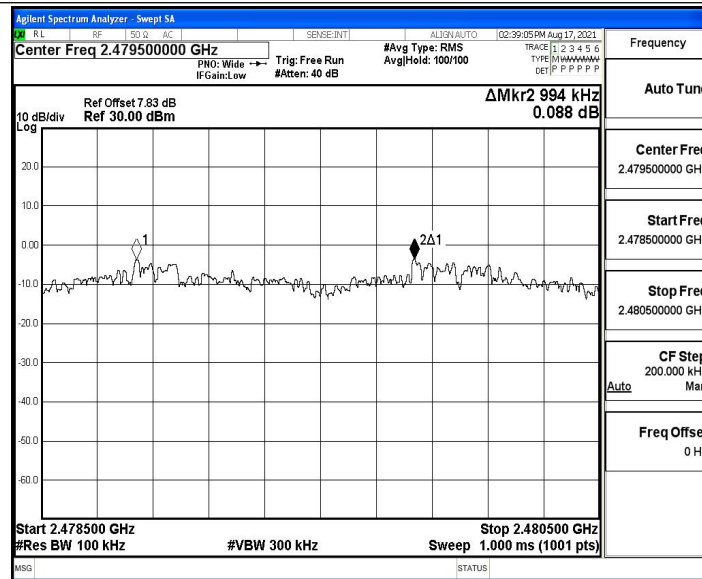
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

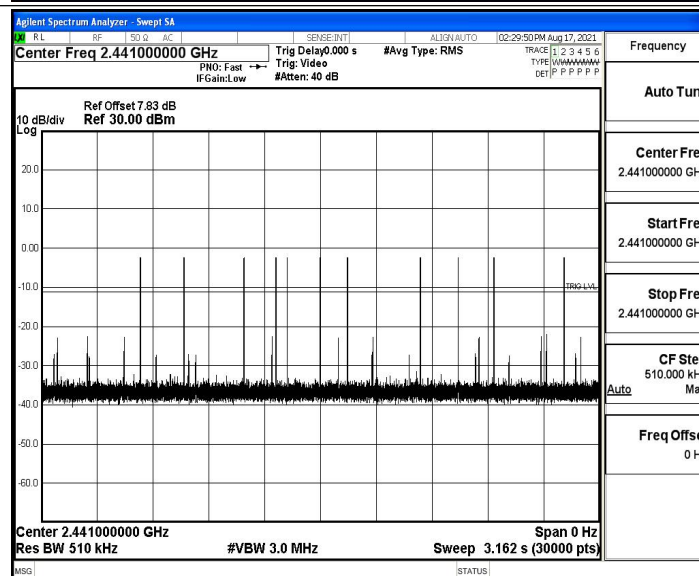
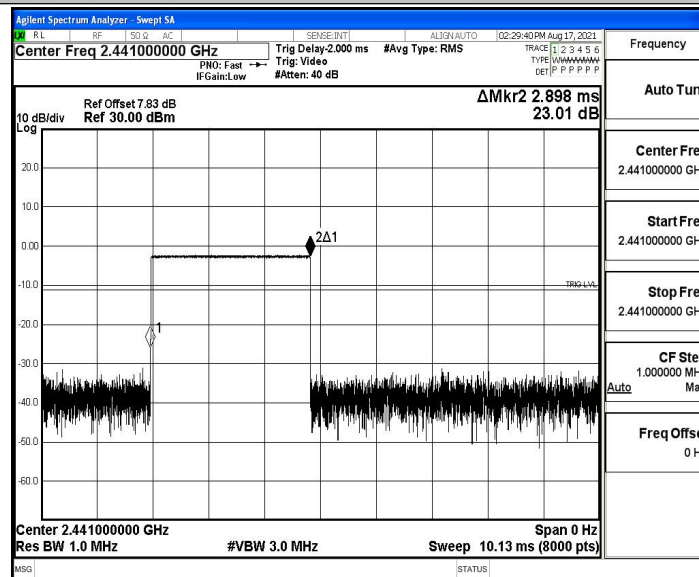
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.90	120	0.348	≤0.4	PASS
2DH5	Ant1	Hop	2.90	80	0.232	≤0.4	PASS
3DH5	Ant1	Hop	2.91	90	0.262	≤0.4	PASS

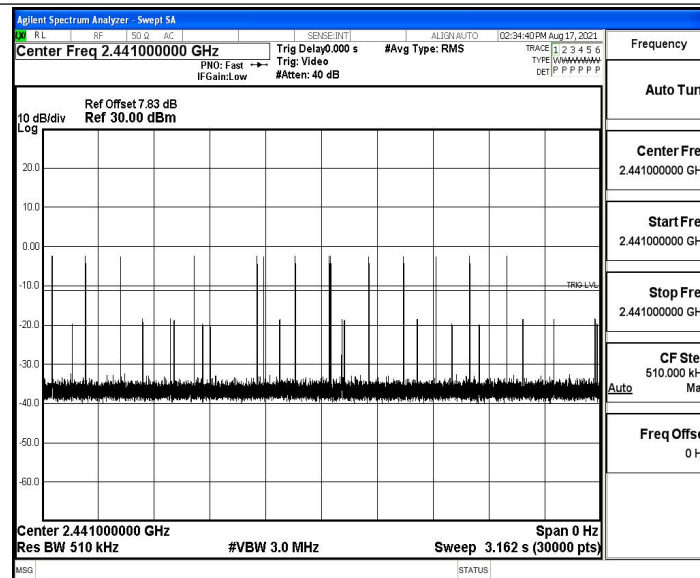
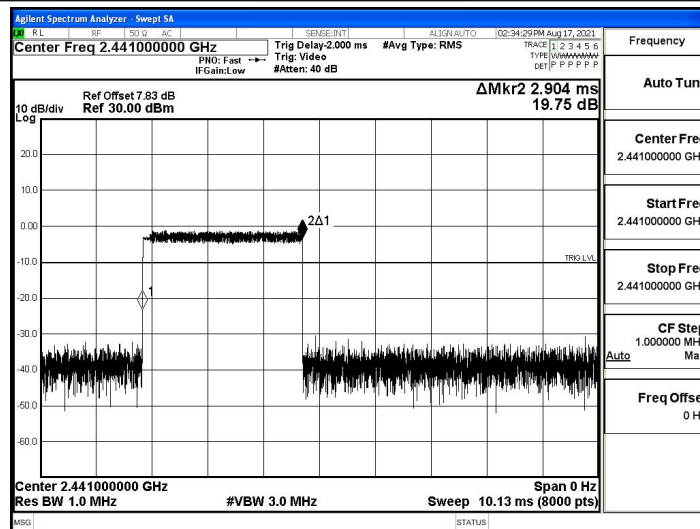


Test Graphs

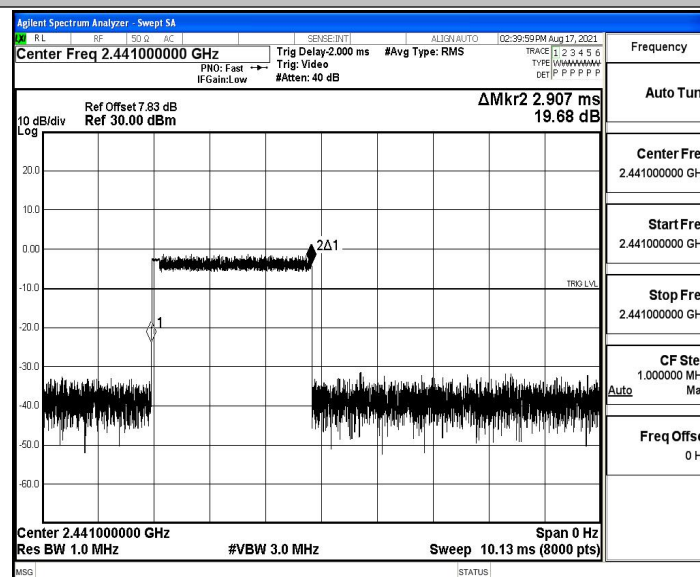
DH5_Ant1_Hop

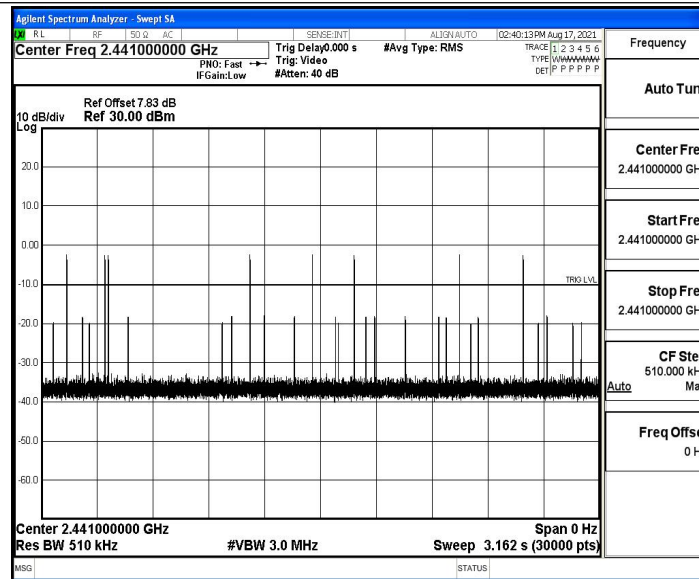


2DH5_Ant1_Hop



3DH5_Ant1_Hop





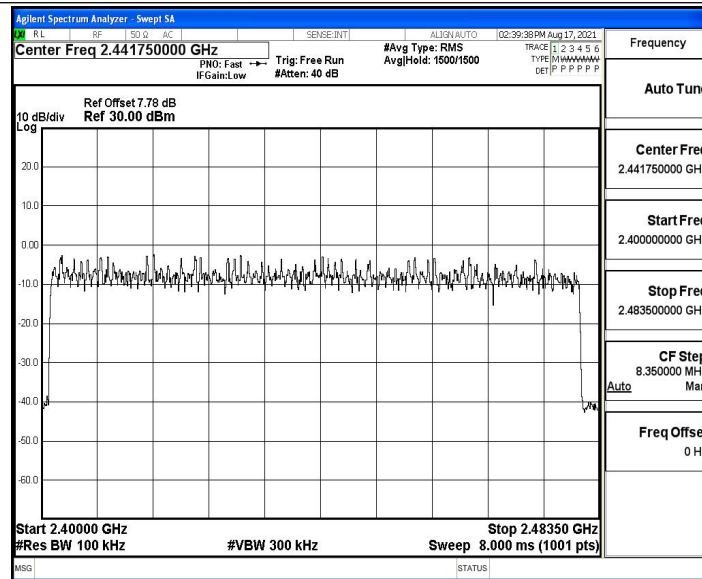


A.5 Number of hopping channels

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







A.6 Band edge measurements

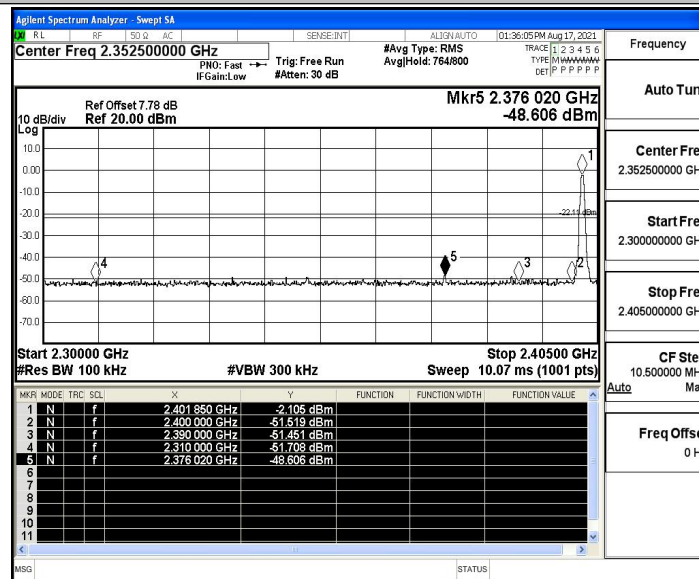
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.11	-48.61	≤ -22.11	PASS
		High	2480	-3.24	-47.58	≤ -23.24	PASS
		Low	Hop_2402	-2.30	-47.37	≤ -22.3	PASS
		High	Hop_2480	-3.42	-48.18	≤ -23.42	PASS
2DH5	Ant1	Low	2402	-2.10	-49.3	≤ -22.1	PASS
		High	2480	-3.38	-48.55	≤ -23.38	PASS
		Low	Hop_2402	-6.37	-49.56	≤ -26.37	PASS
		High	Hop_2480	-3.26	-48.55	≤ -23.26	PASS
3DH5	Ant1	Low	2402	-2.58	-49.34	≤ -22.58	PASS
		High	2480	-3.46	-48.13	≤ -23.46	PASS
		Low	Hop_2402	-6.45	-49.27	≤ -26.45	PASS
		High	Hop_2480	-4.91	-48.12	≤ -24.91	PASS

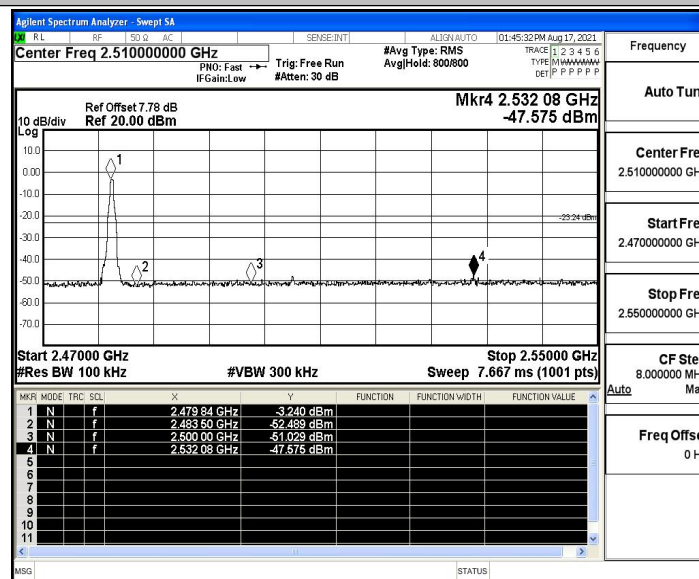


Test Graphs

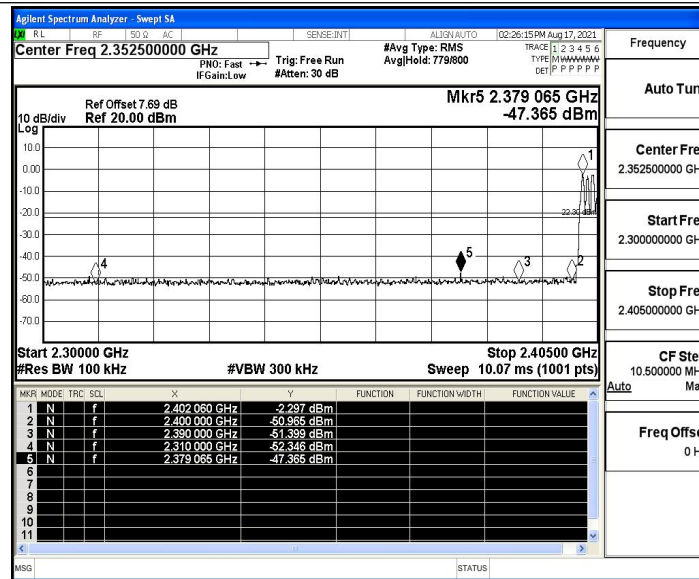
DH5_Ant1_Low_2402



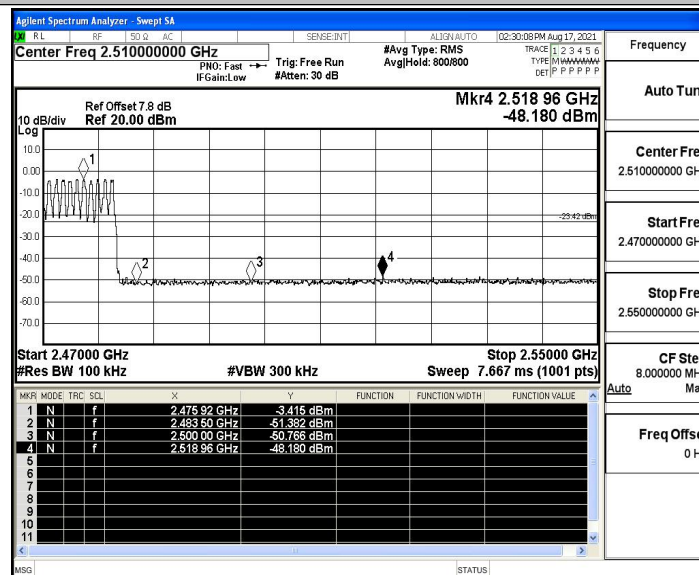
DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

