



Appendix A

RF Test Data for BT V5.0(DSS) (Conducted Measurement)

Product Name: Speaker box

Test Model: PWRP3

Environmental Conditions

Temperature:	23.7℃
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

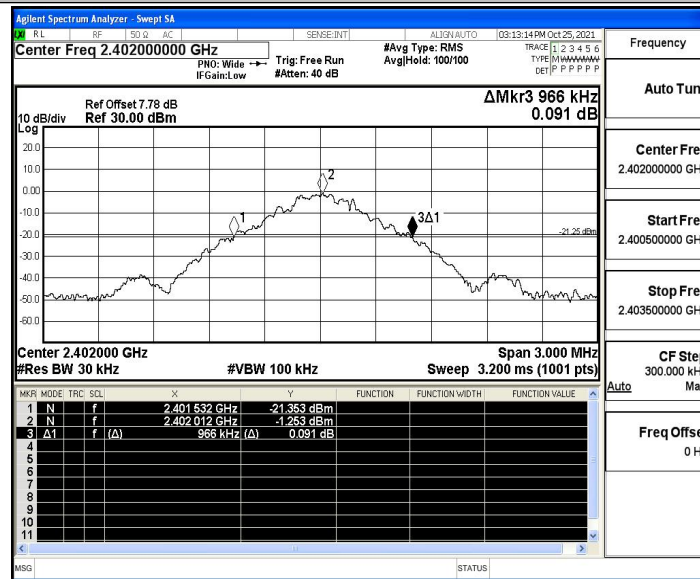
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.966	2401.532	2402.498	---	PASS
		2441	1.020	2440.463	2441.483	---	PASS
		2480	1.044	2479.460	2480.504	---	PASS
2DH5	Ant1	2402	1.323	2401.337	2402.660	---	PASS
		2441	1.311	2440.343	2441.654	---	PASS
		2480	1.341	2479.325	2480.666	---	PASS
3DH5	Ant1	2402	1.293	2401.349	2402.642	---	PASS
		2441	1.347	2440.322	2441.669	---	PASS
		2480	1.350	2479.322	2480.672	---	PASS

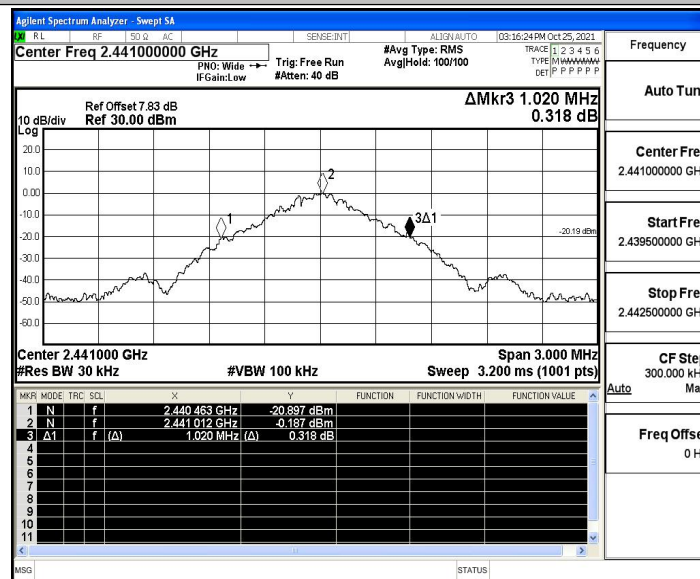


Test Graphs

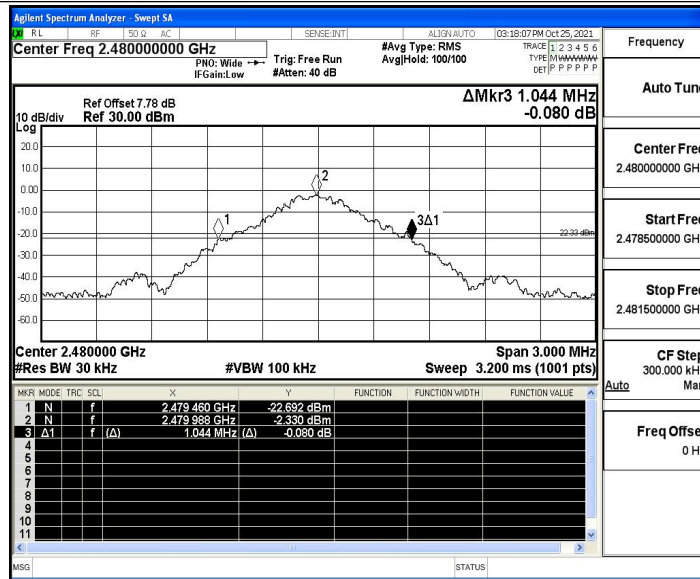
DH5_Ant1_2402



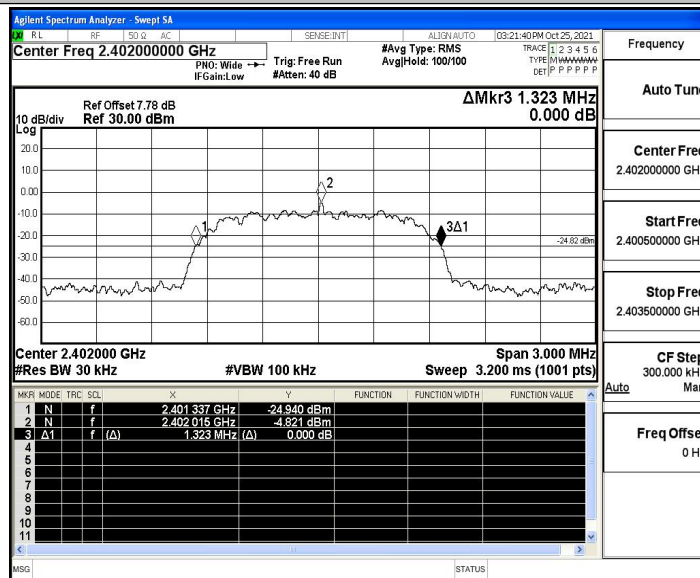
DH5_Ant1_2441



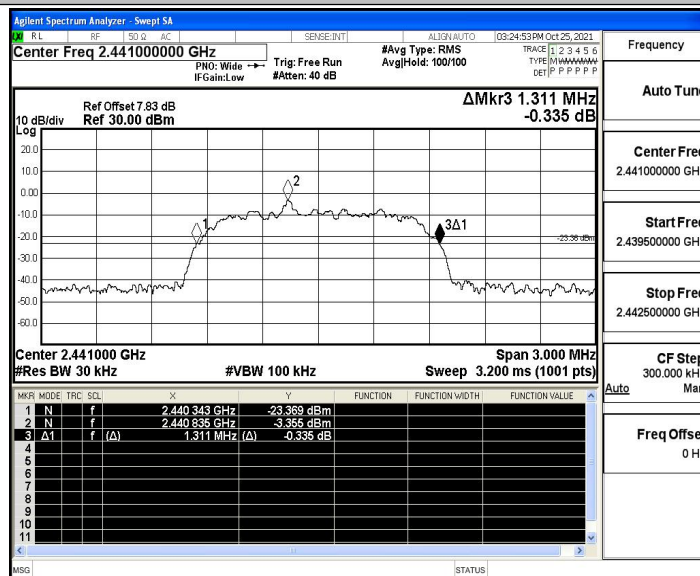
DH5_Ant1_2480



2DH5_Ant1_2402

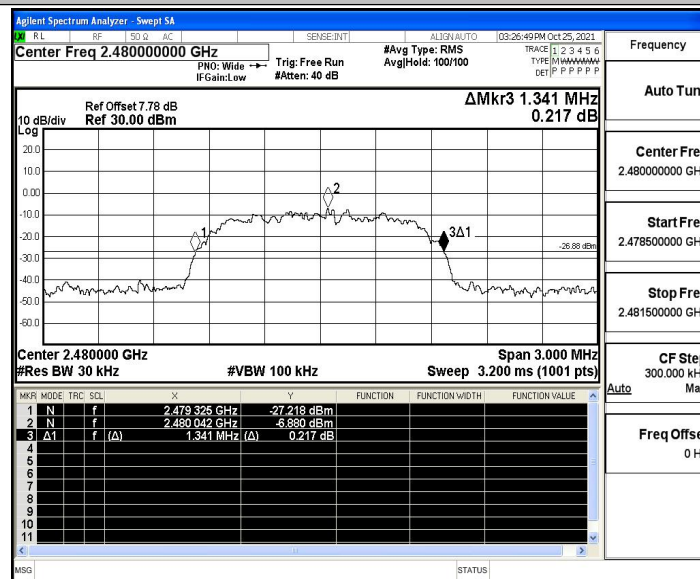


2DH5_Ant1_2441

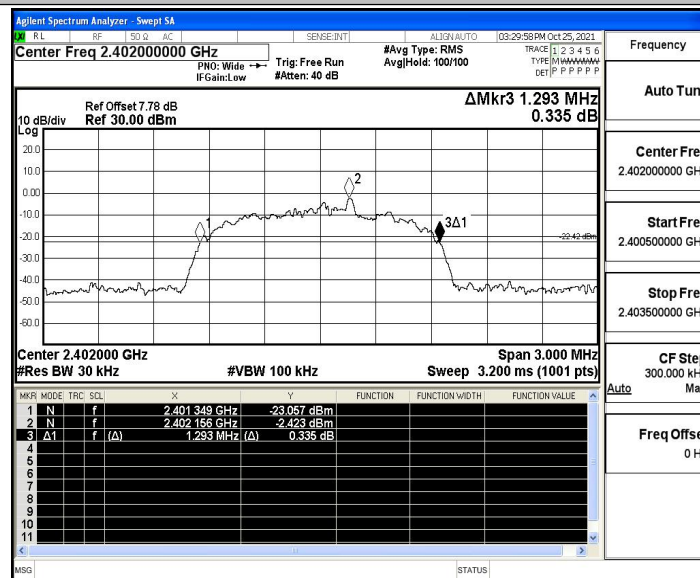




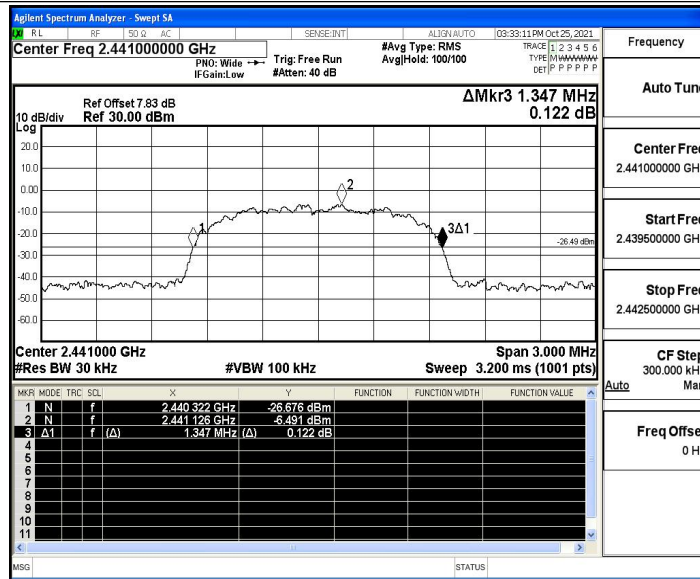
2DH5_Ant1_2480



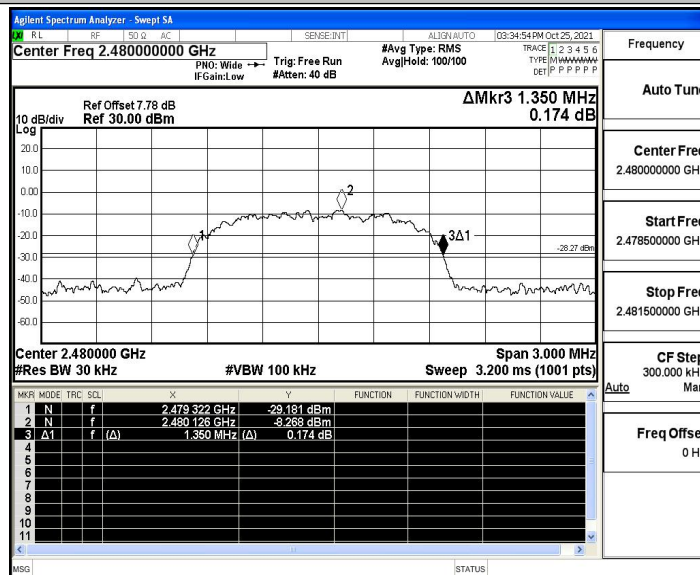
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

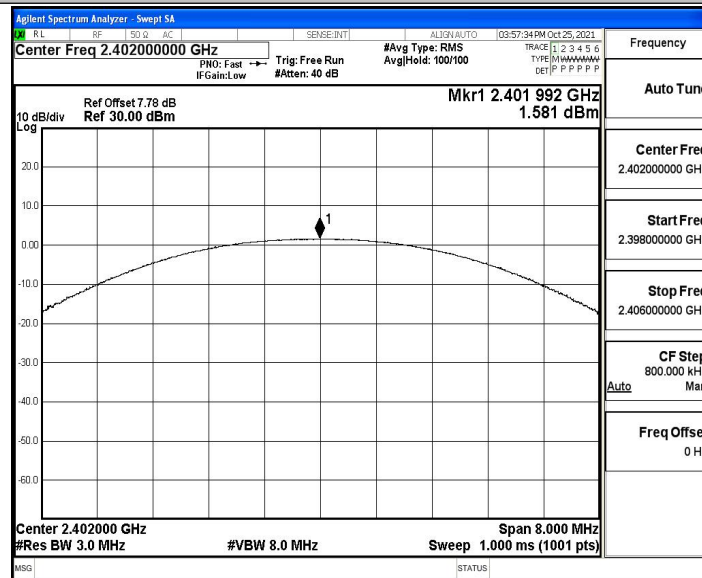
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.58	≤ 20.97	PASS
		2441	2.57	≤ 20.97	PASS
		2480	0.73	≤ 20.97	PASS
2DH5	Ant1	2402	0.73	≤ 20.97	PASS
		2441	1.63	≤ 20.97	PASS
		2480	0.01	≤ 20.97	PASS
3DH5	Ant1	2402	0.88	≤ 20.97	PASS
		2441	1.85	≤ 20.97	PASS
		2480	0.07	≤ 20.97	PASS

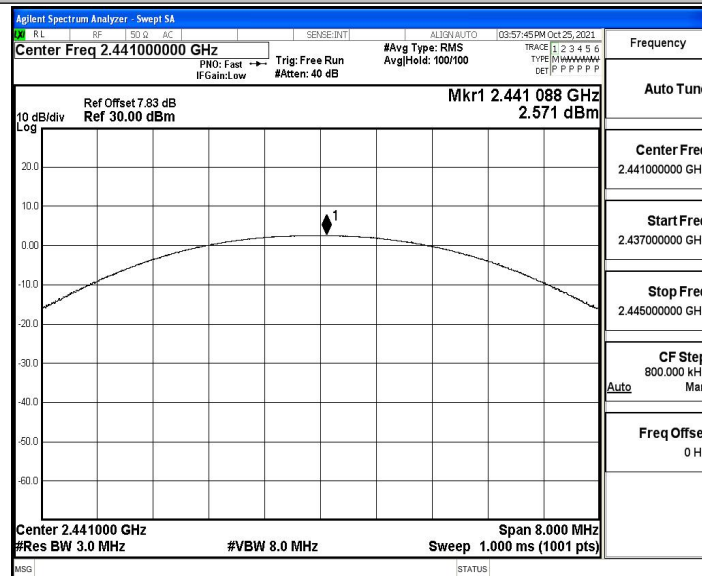


Test Graphs

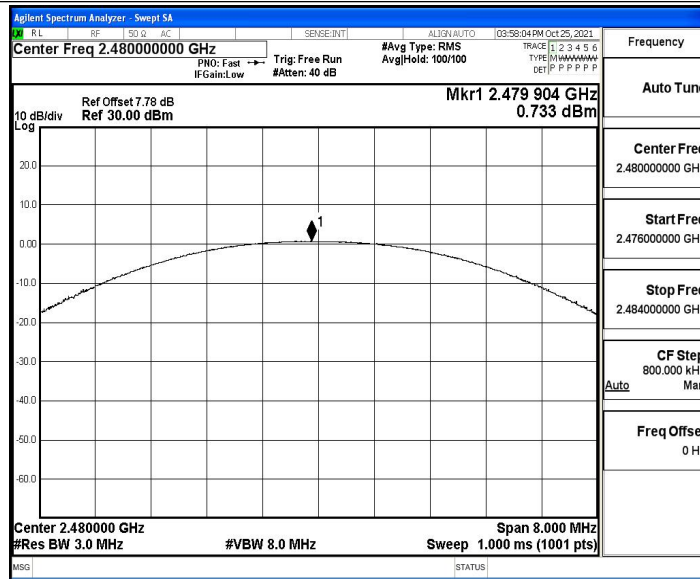
DH5_Ant1_2402



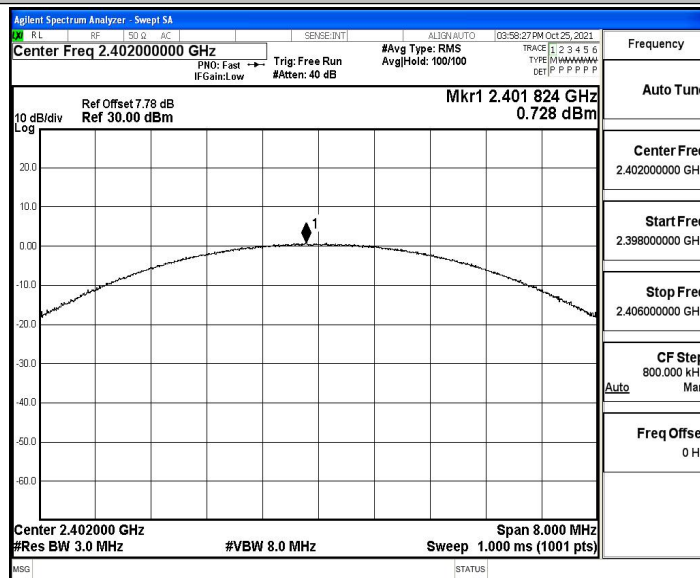
DH5_Ant1_2441



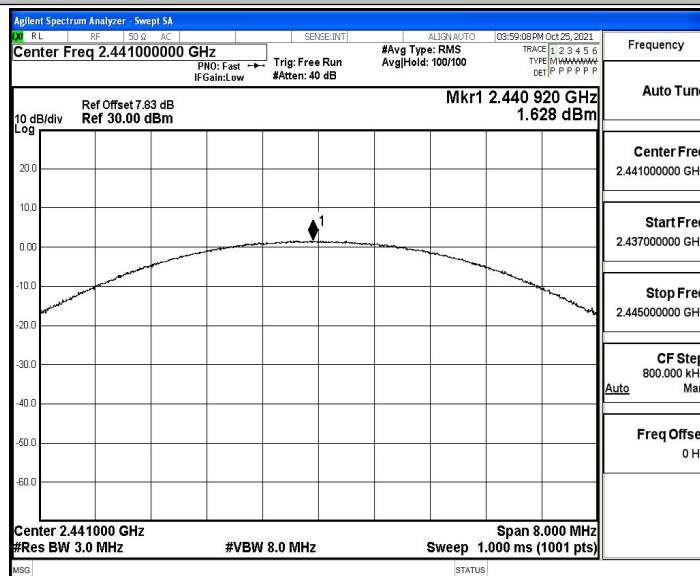
DH5_Ant1_2480



2DH5_Ant1_2402

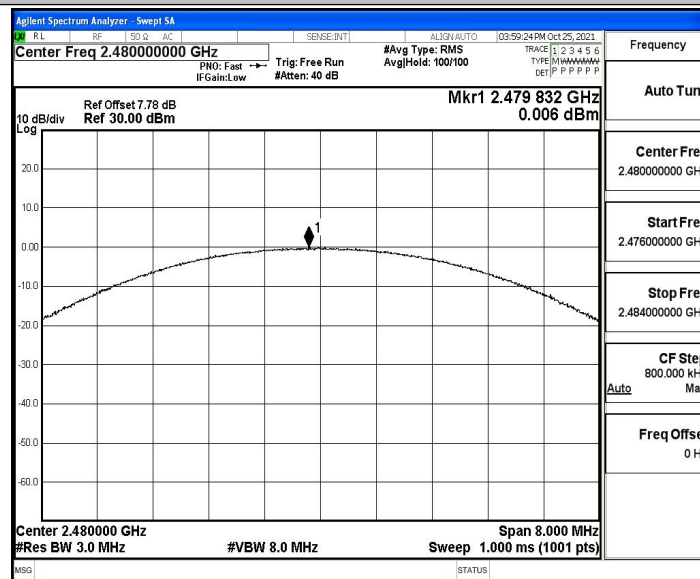


2DH5_Ant1_2441

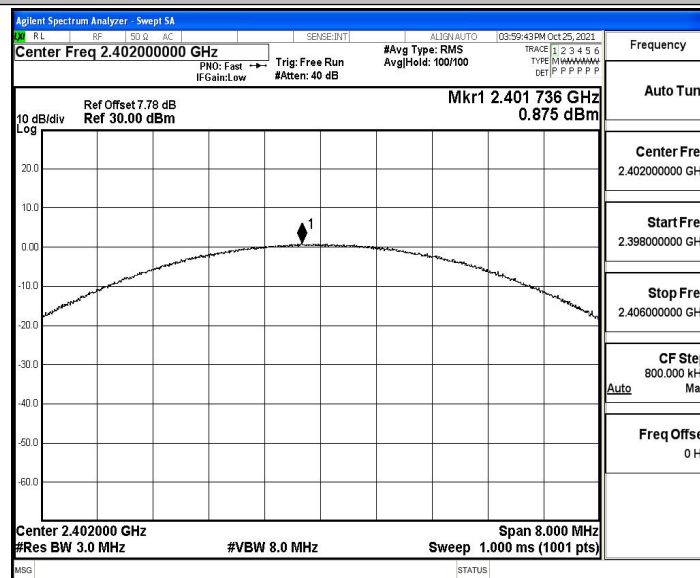




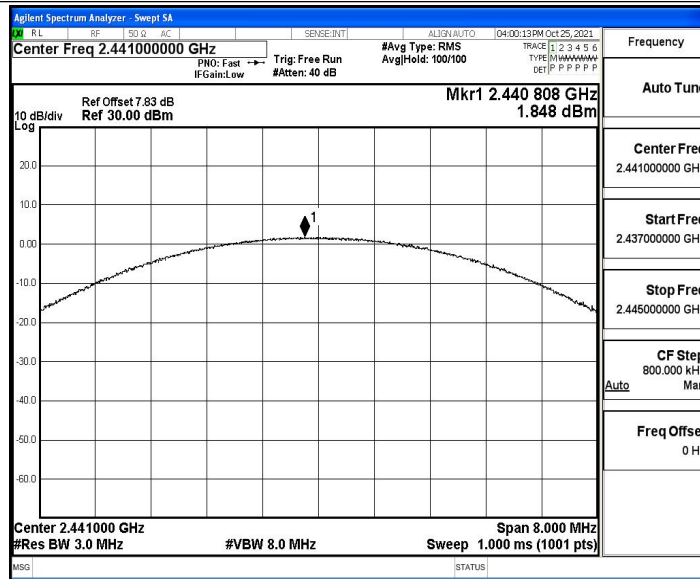
2DH5_Ant1_2480



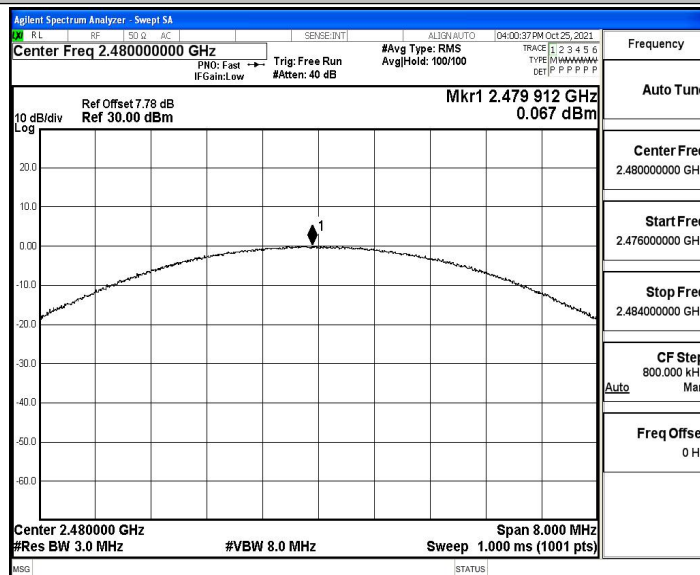
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

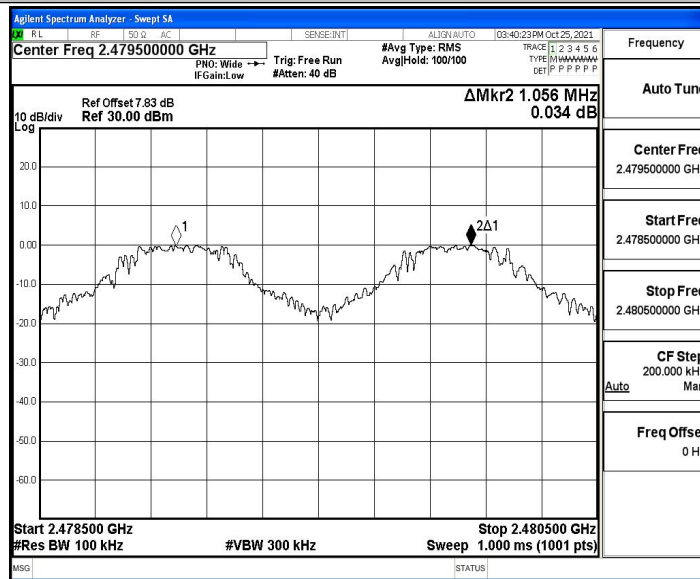
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.056	≥ 0.696	PASS
2DH5	Ant1	Hop	0.936	≥ 0.894	PASS
3DH5	Ant1	Hop	1.158	≥ 0.900	PASS

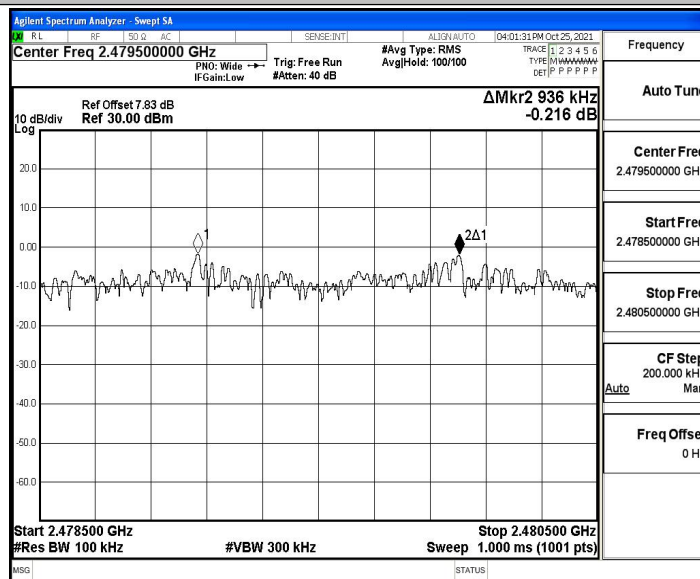


Test Graphs

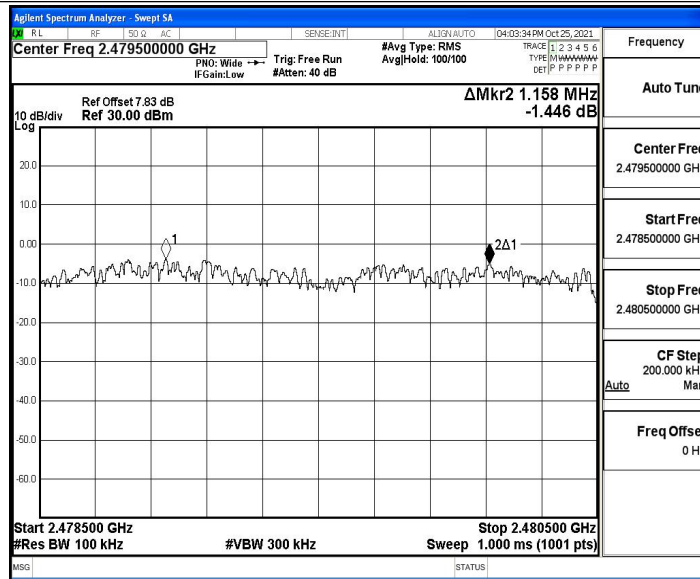
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

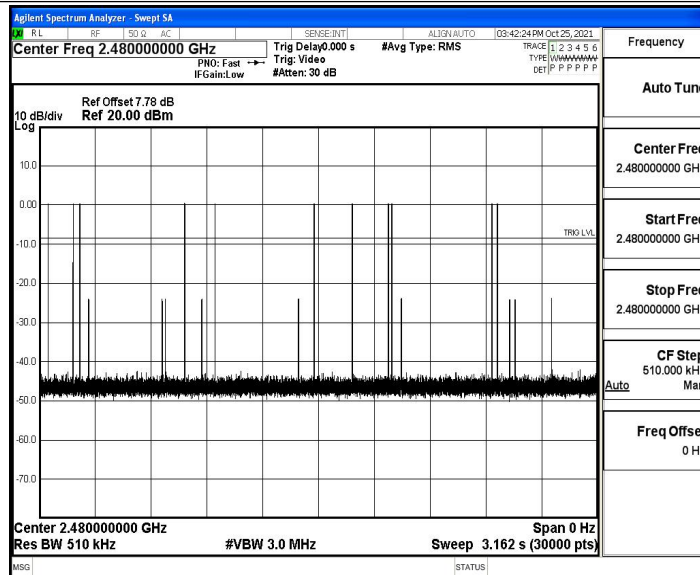
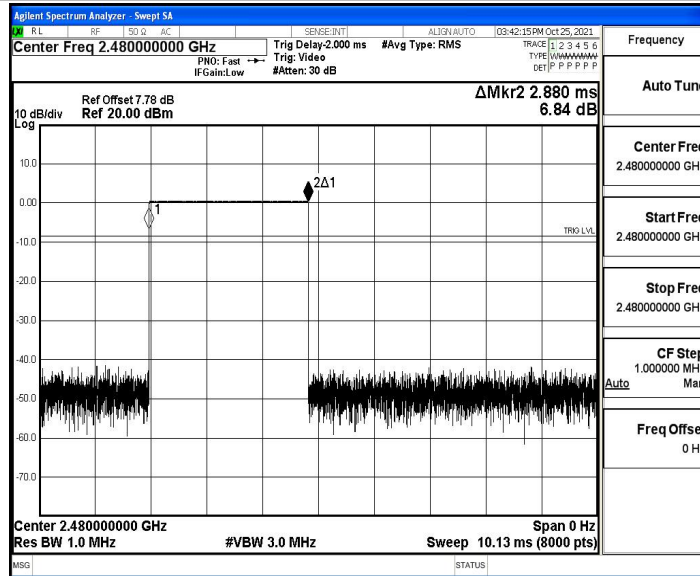
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	120	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.88	120	0.346	≤0.4	PASS
3DH5	Ant1	Hop	2.89	120	0.346	≤0.4	PASS

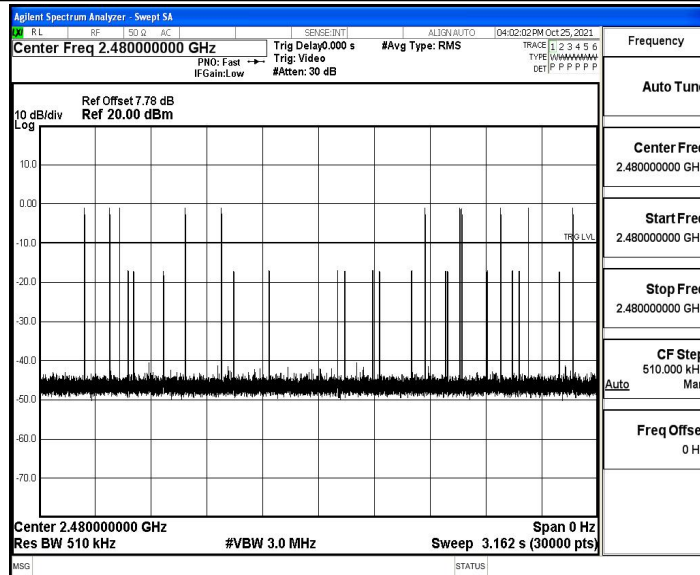
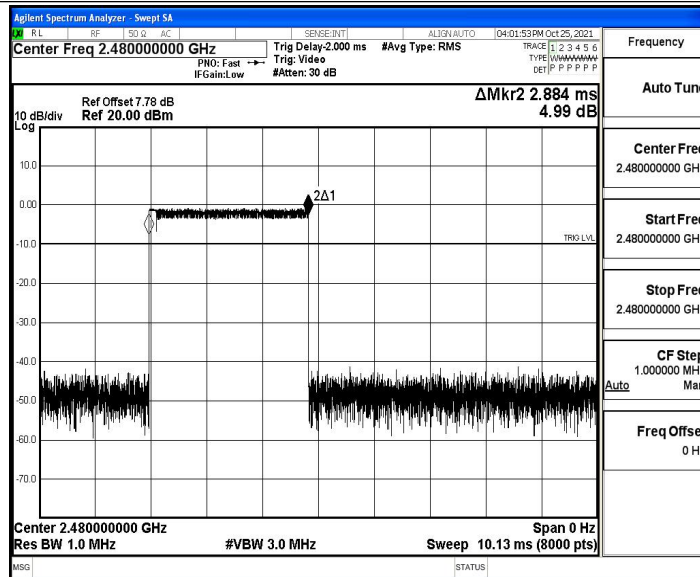


Test Graphs

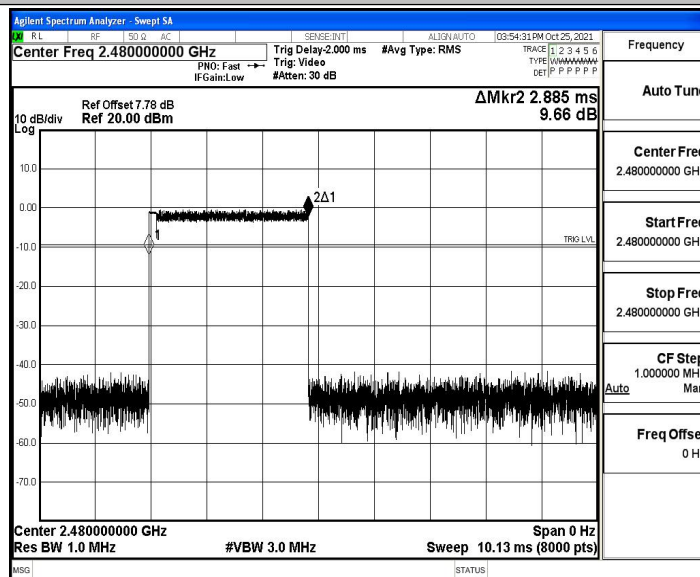
DH5_Ant1_Hop

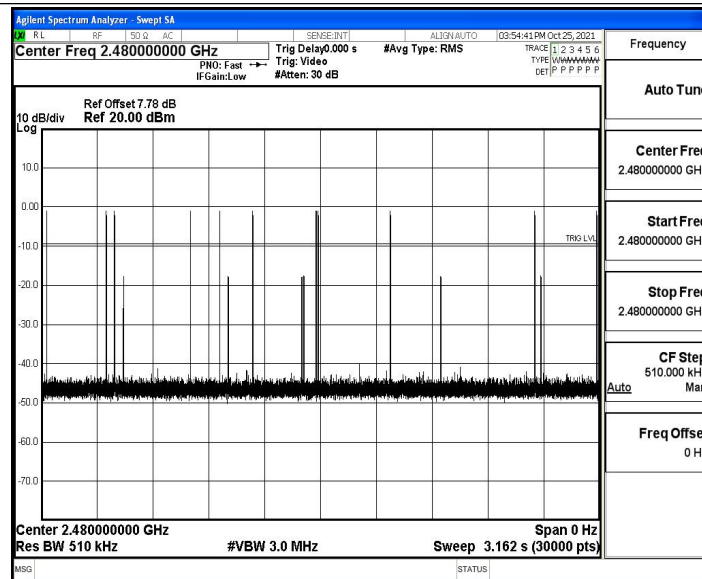


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.5 Number of hopping channels

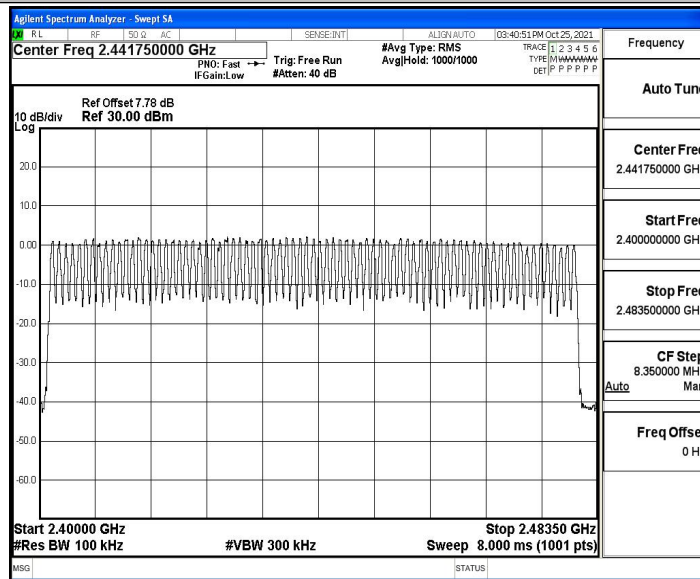
Test Result

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

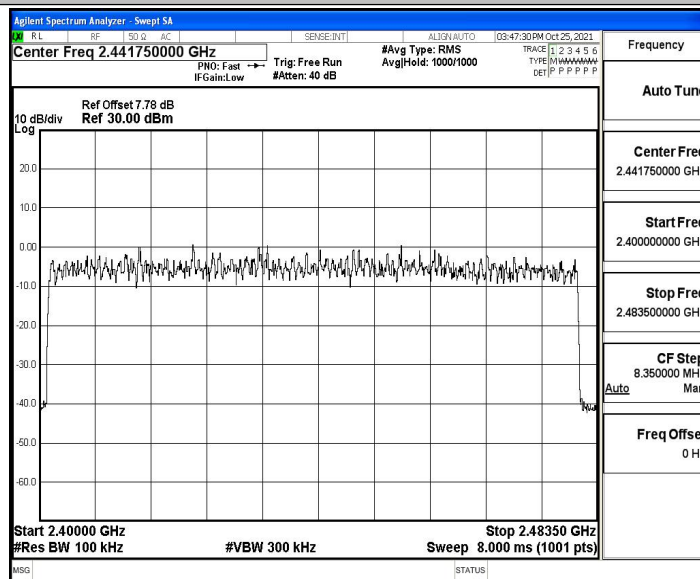


Test Graphs

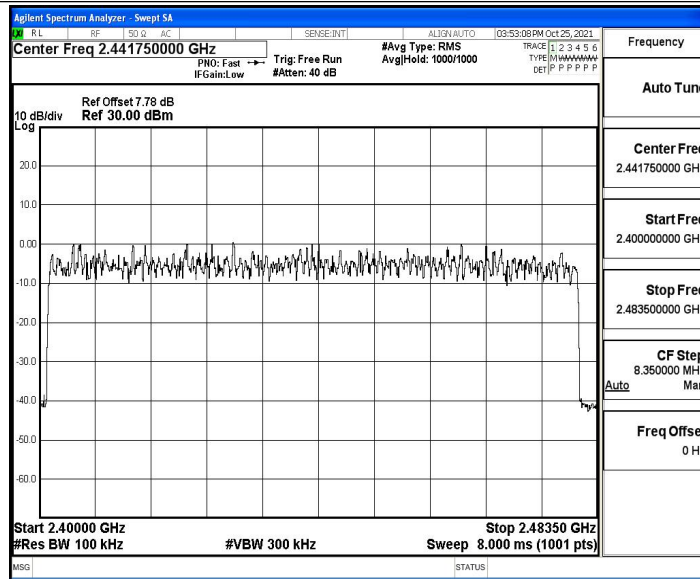
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

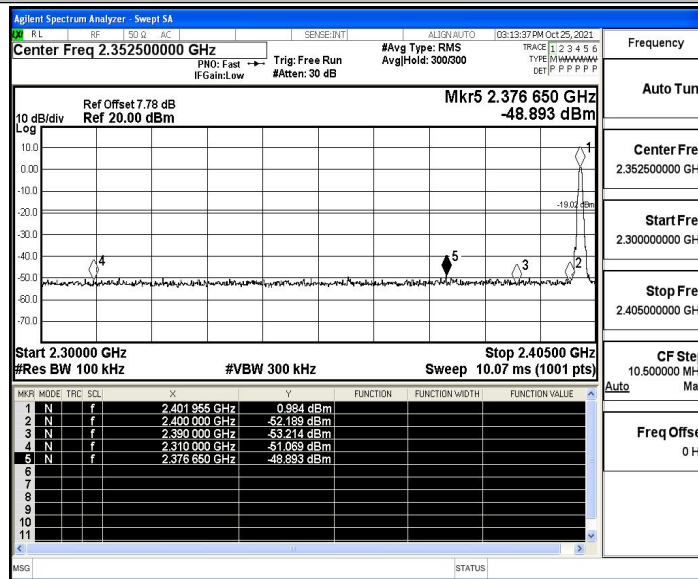
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.98	-48.89	≤ -19.02	PASS
		High	2480	0.23	-48.91	≤ -19.77	PASS
		Low	Hop_2402	0.87	-49.05	≤ -19.13	PASS
		High	Hop_2480	2.01	-47.8	≤ -17.99	PASS
2DH5	Ant1	Low	2402	-1.15	-49.23	≤ -21.15	PASS
		High	2480	-1.30	-49.08	≤ -21.3	PASS
		Low	Hop_2402	-4.06	-49.99	≤ -24.06	PASS
		High	Hop_2480	-1.93	-48.39	≤ -21.93	PASS
3DH5	Ant1	Low	2402	-0.27	-49.55	≤ -20.27	PASS
		High	2480	-1.47	-48.7	≤ -21.47	PASS
		Low	Hop_2402	-4.09	-49.98	≤ -24.09	PASS
		High	Hop_2480	-0.98	-48.36	≤ -20.98	PASS

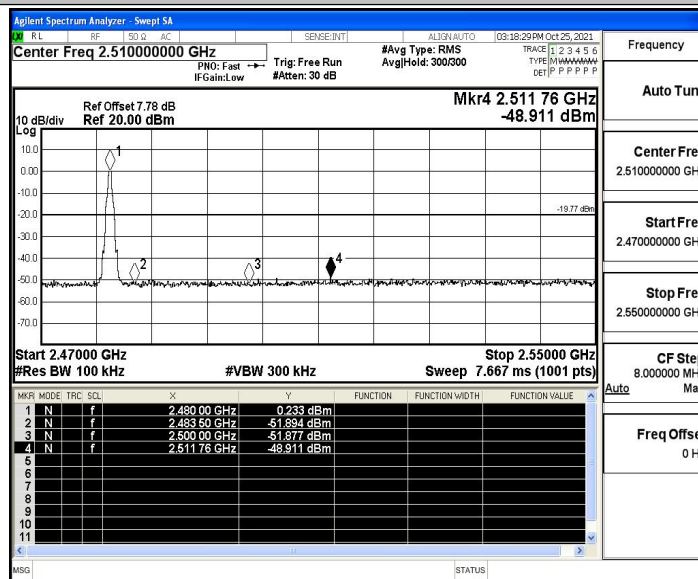


Test Graphs

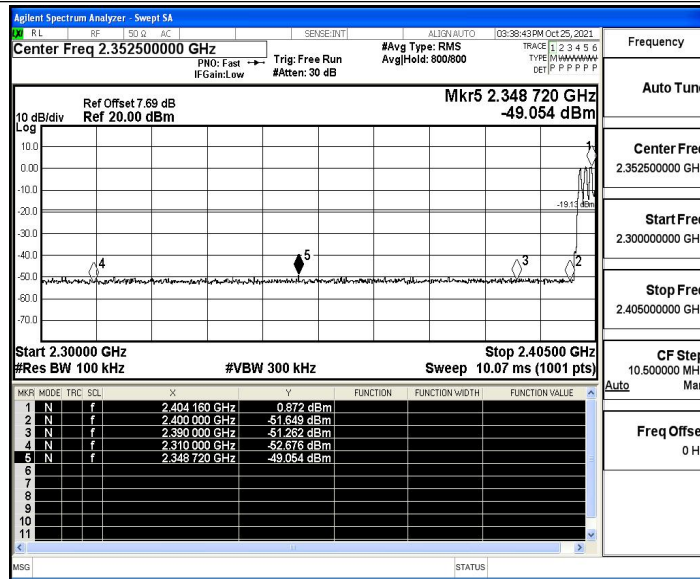
DH5_Ant1_Low_2402



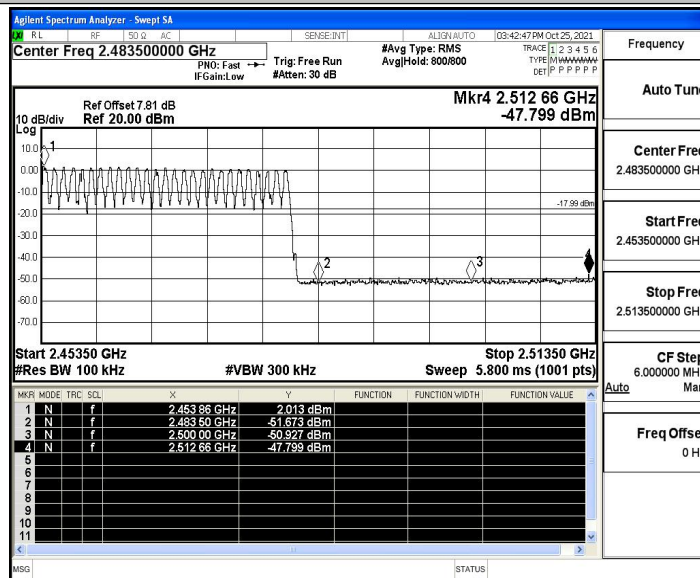
DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

