



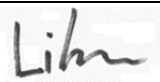
Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Bluetooth Speaker

Test Model: OLAFUS-04SK

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Monkey Li
Supervised by:	 Li Huan



A.1 20dB Emission Bandwidth

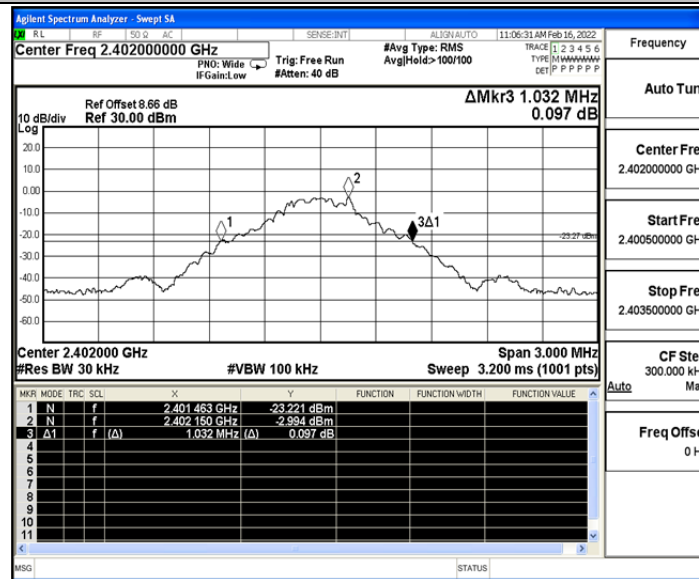
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.032	2401.463	2402.495	---	---
		2441	1.020	2440.469	2441.489	---	---
		2480	1.047	2479.454	2480.501	---	---
2DH5	Ant1	2402	1.293	2401.355	2402.648	---	---
		2441	1.290	2440.358	2441.648	---	---
		2480	1.287	2479.358	2480.645	---	---
3DH5	Ant1	2402	1.311	2401.337	2402.648	---	---
		2441	1.290	2440.346	2441.636	---	---
		2480	1.290	2479.343	2480.633	---	---

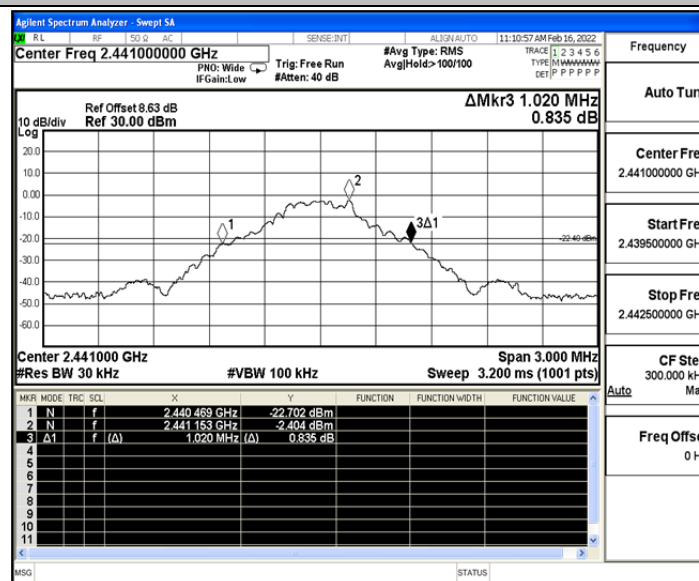


Test Graphs

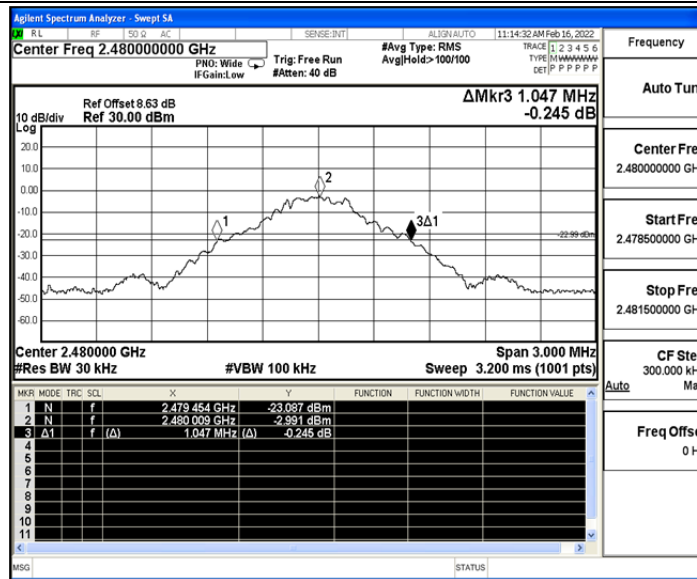
DH5_Ant1_2402



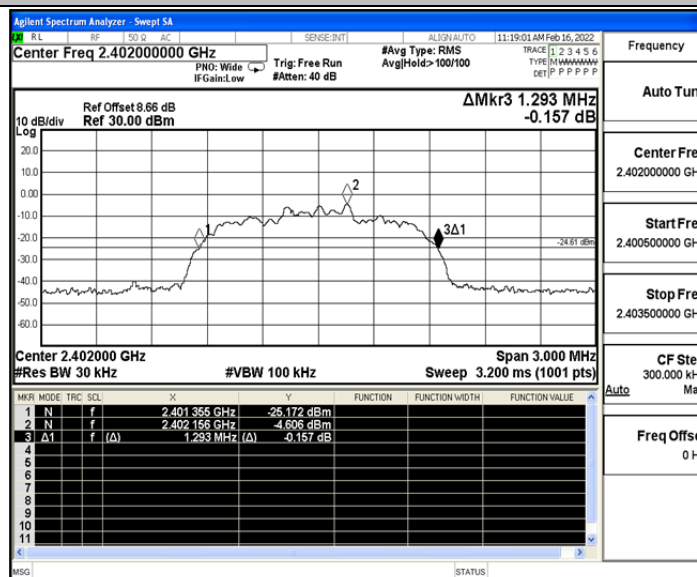
DH5_Ant1_2441



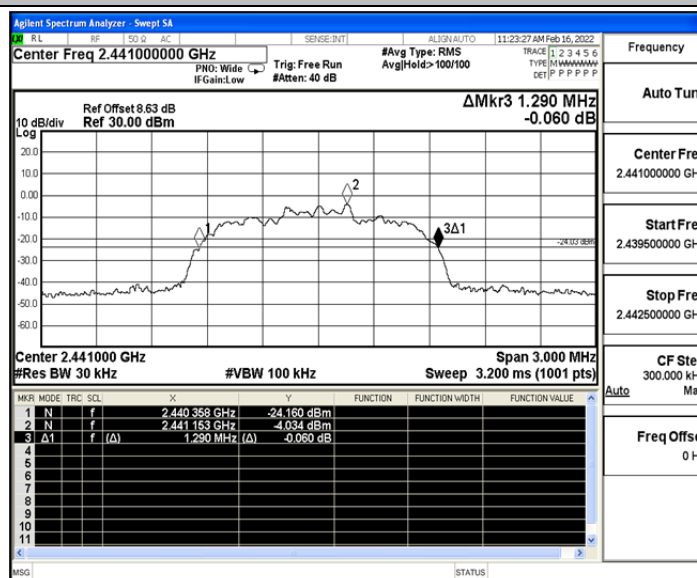
DH5_Ant1_2480



2DH5_Ant1_2402

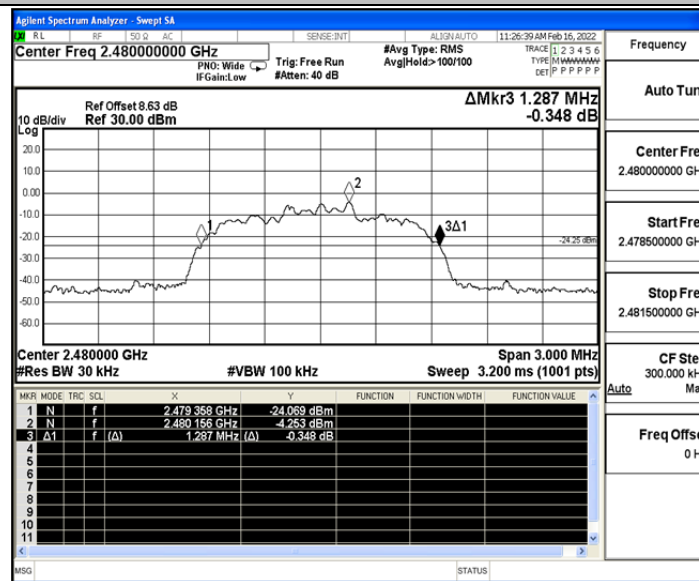


2DH5_Ant1_2441

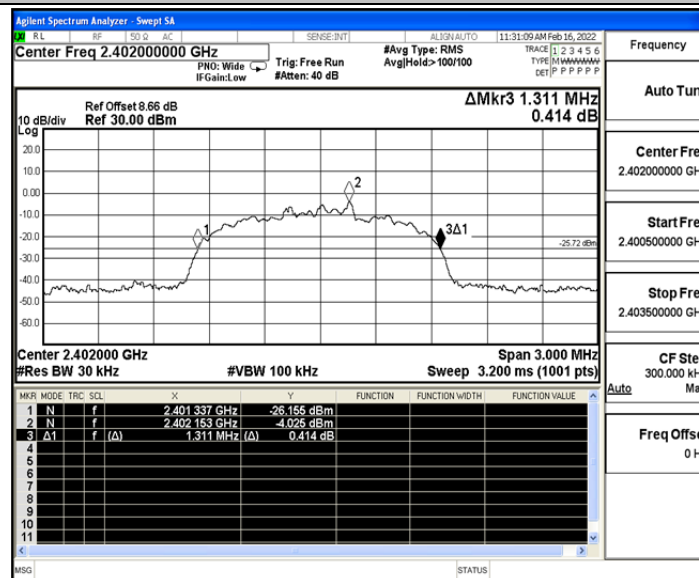




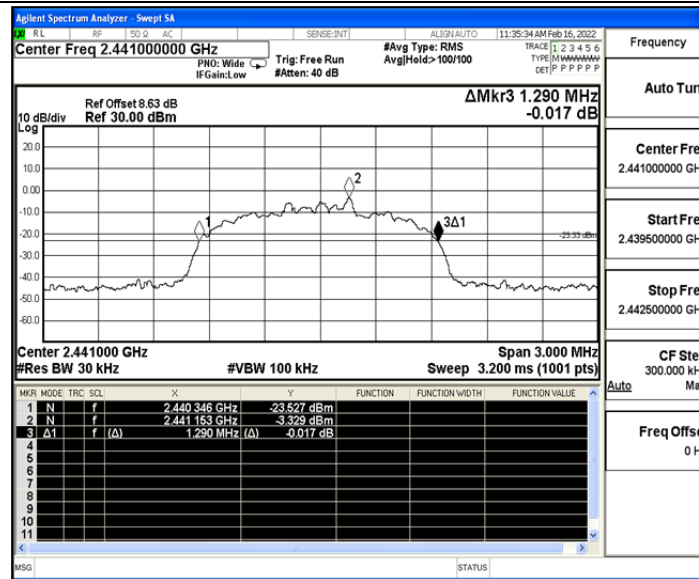
2DH5_Ant1_2480



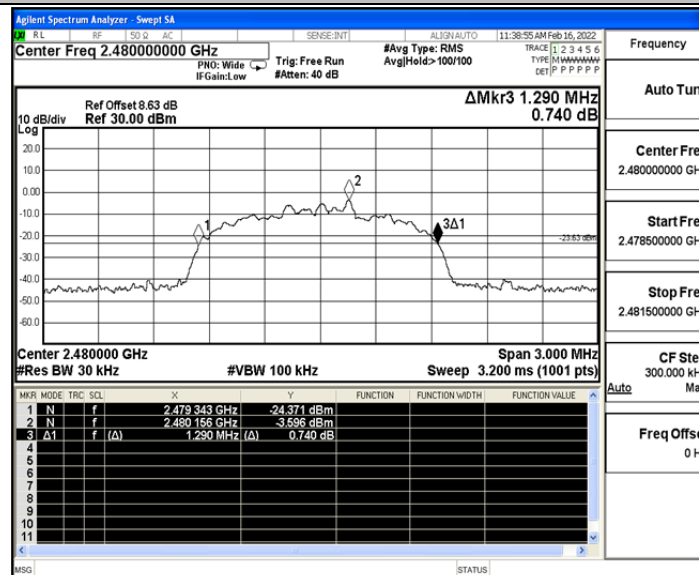
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

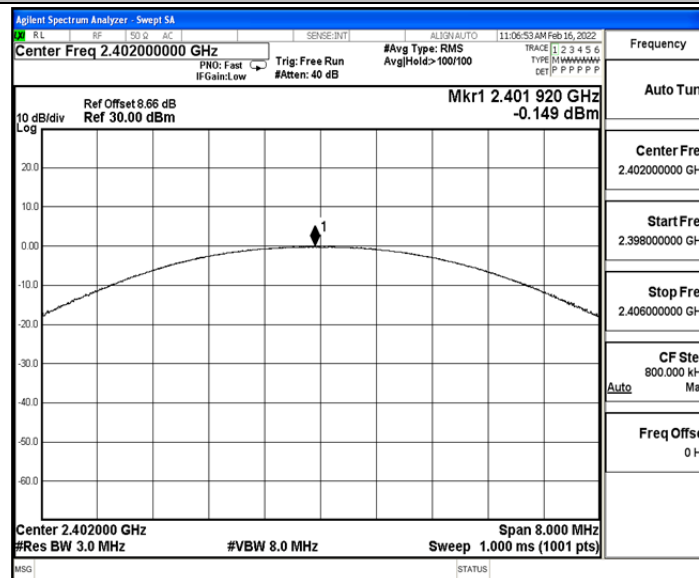
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.15	≤ 20.97	PASS
		2441	0.32	≤ 20.97	PASS
		2480	0.05	≤ 20.97	PASS
2DH5	Ant1	2402	-0.55	≤ 20.97	PASS
		2441	0.07	≤ 20.97	PASS
		2480	-0.16	≤ 20.97	PASS
3DH5	Ant1	2402	-0.31	≤ 20.97	PASS
		2441	0.18	≤ 20.97	PASS
		2480	-0.06	≤ 20.97	PASS

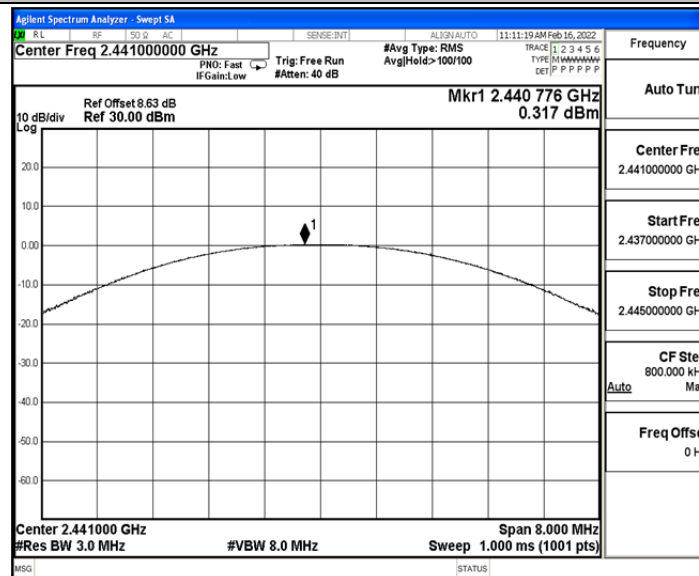


Test Graphs

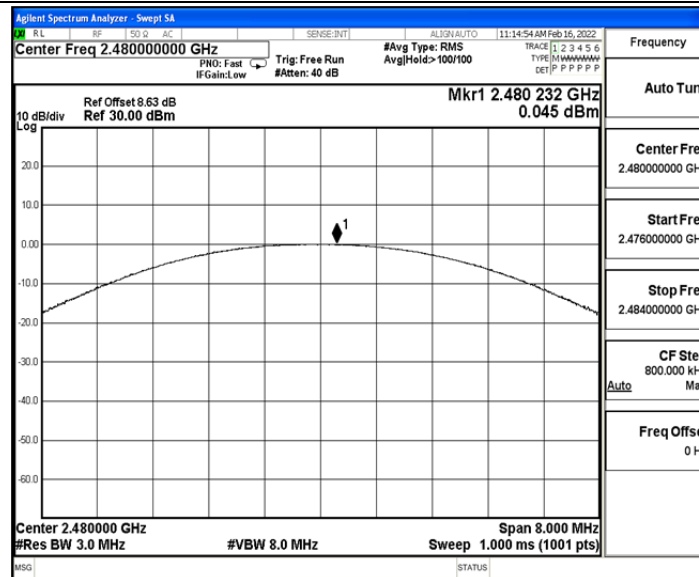
DH5_Ant1_2402



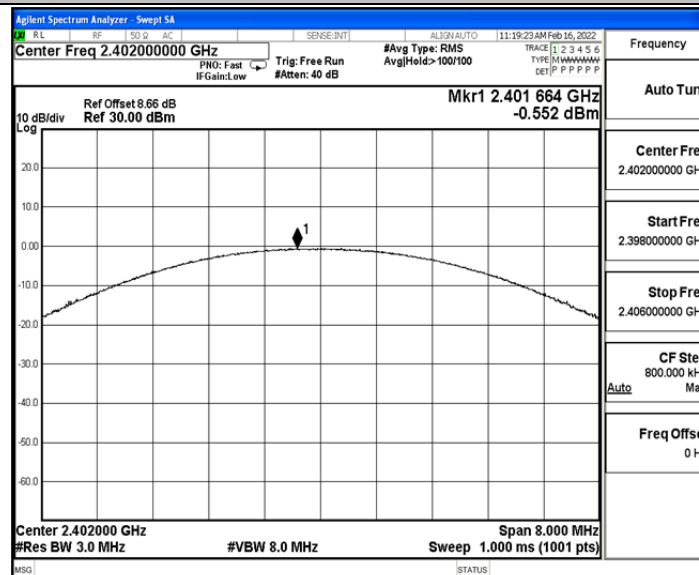
DH5_Ant1_2441



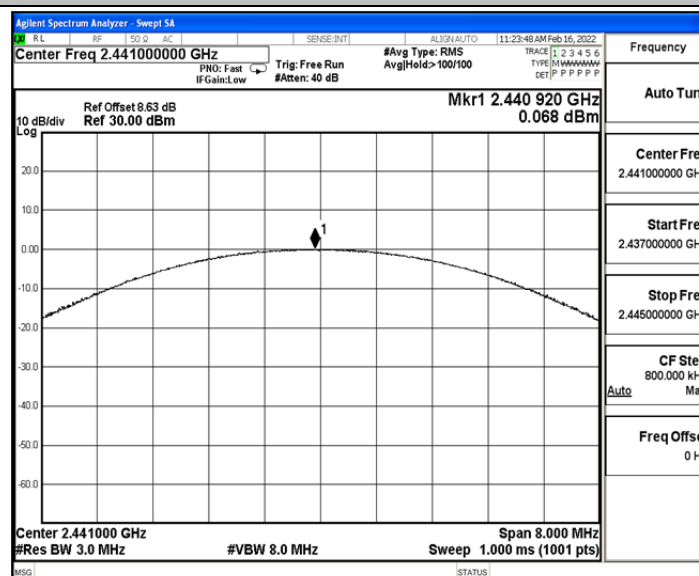
DH5_Ant1_2480



2DH5_Ant1_2402

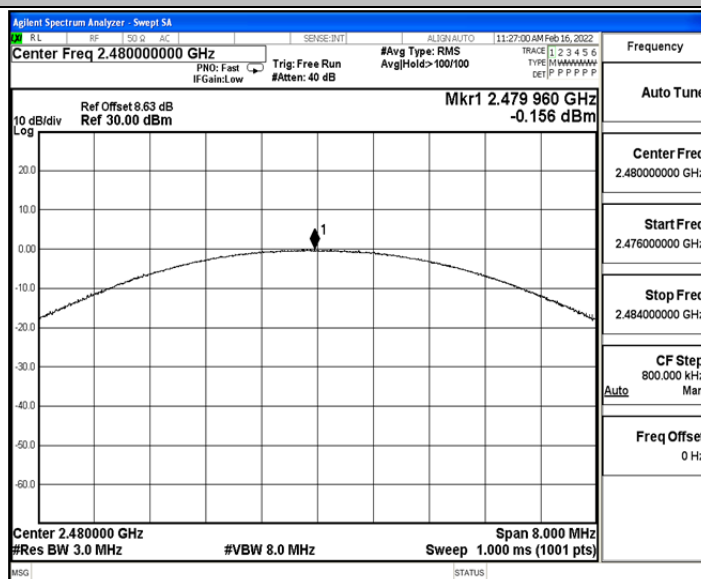


2DH5_Ant1_2441

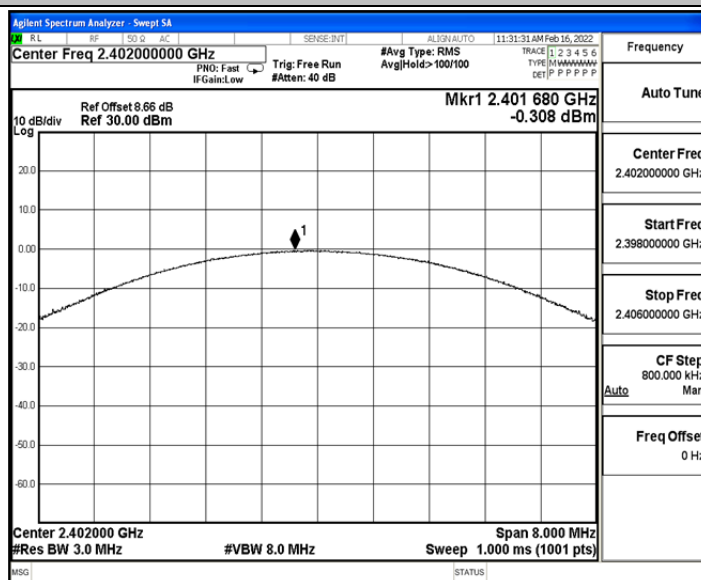




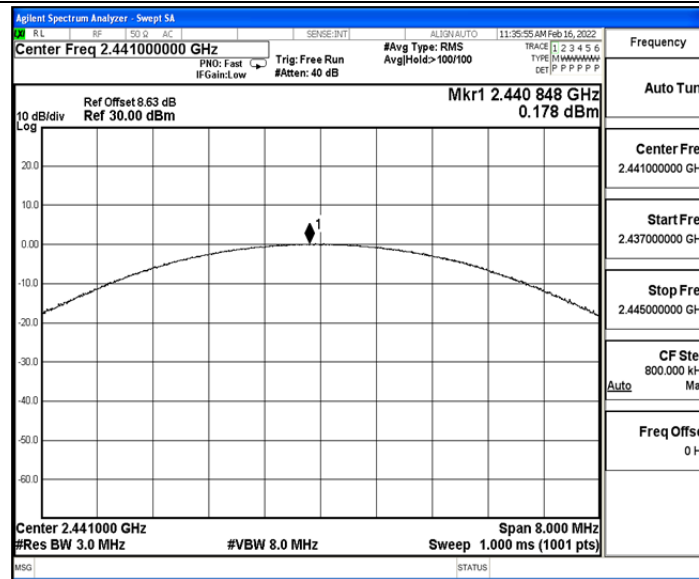
2DH5_Ant1_2480



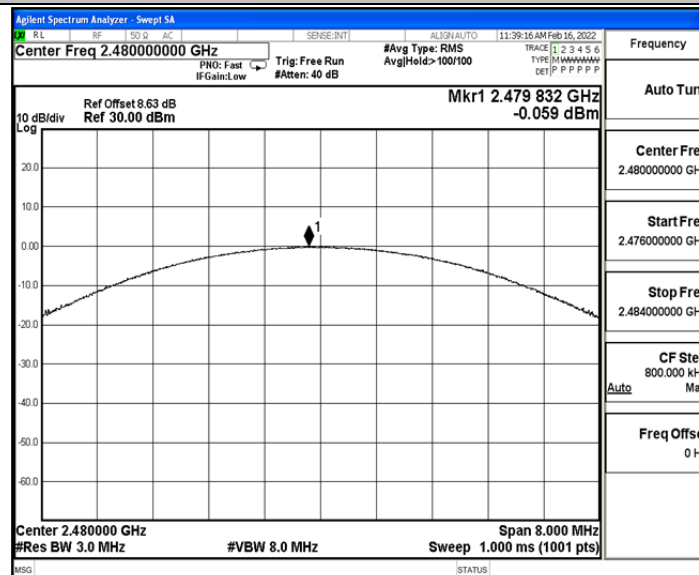
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

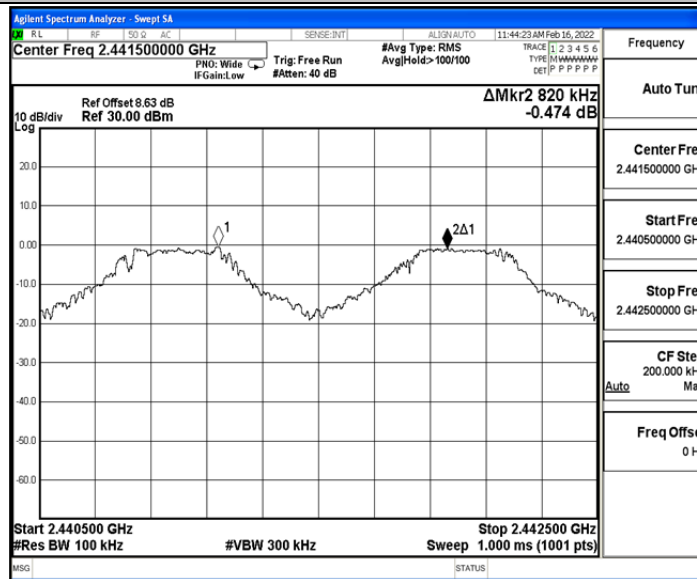
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.82	≥ 0.698	PASS
2DH5	Ant1	Hop	1.158	≥ 0.862	PASS
3DH5	Ant1	Hop	1.092	≥ 0.874	PASS

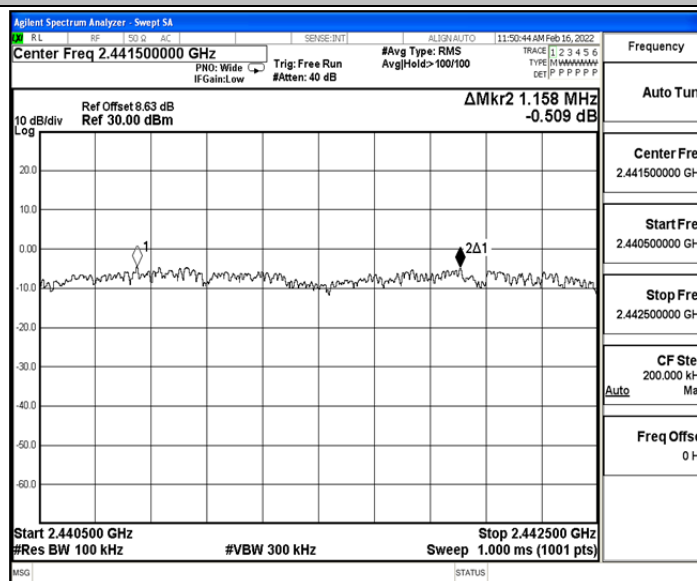


Test Graphs

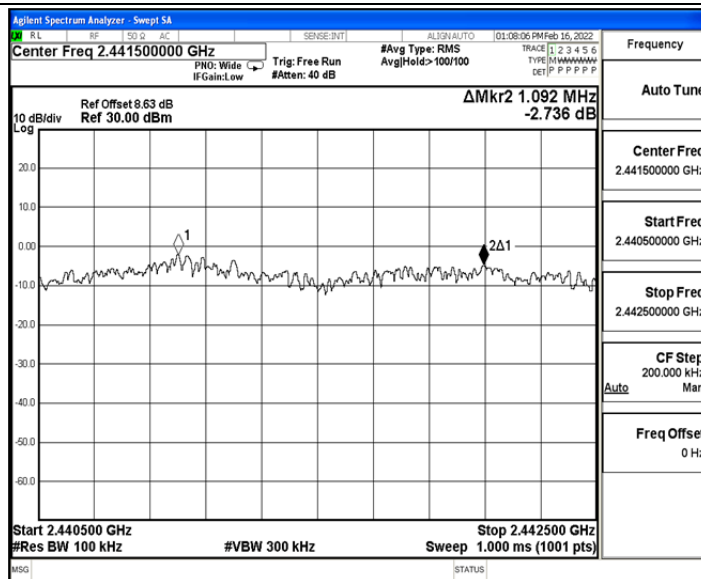
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

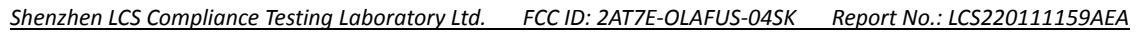




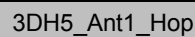
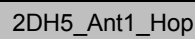
A.4 Time of occupancy

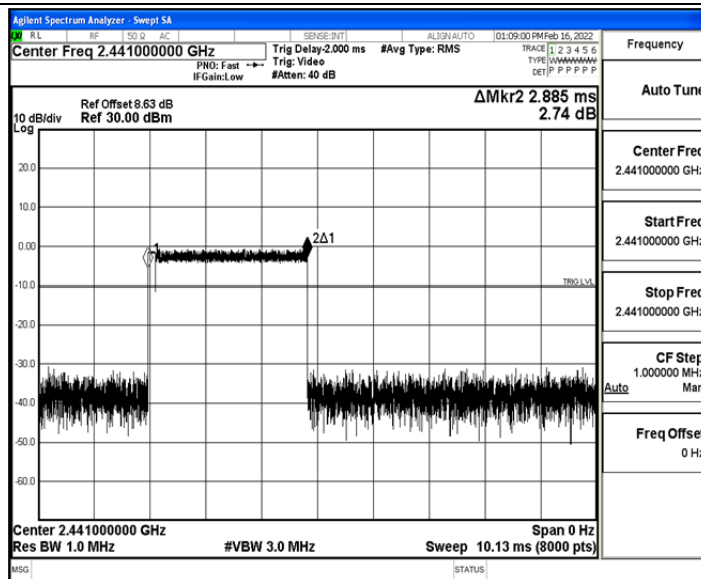
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.88	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.89	106.67	0.308	≤0.4	PASS



DH5_Ant1_Hop







A.5 Number of hopping channels

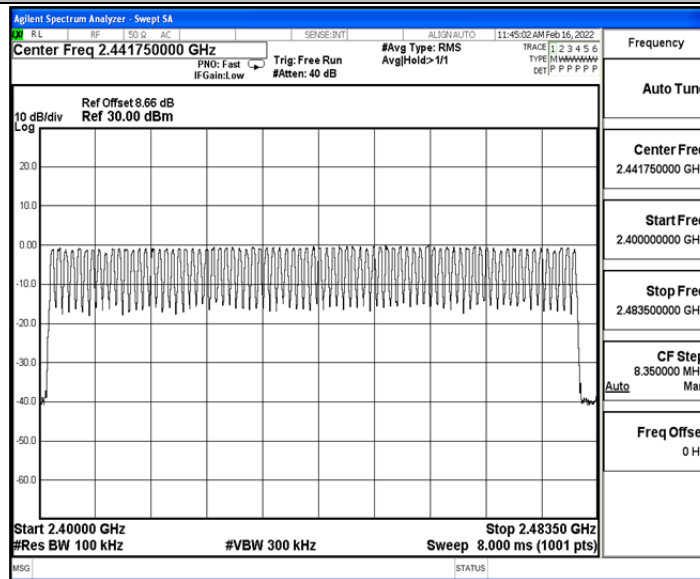
Test Result

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

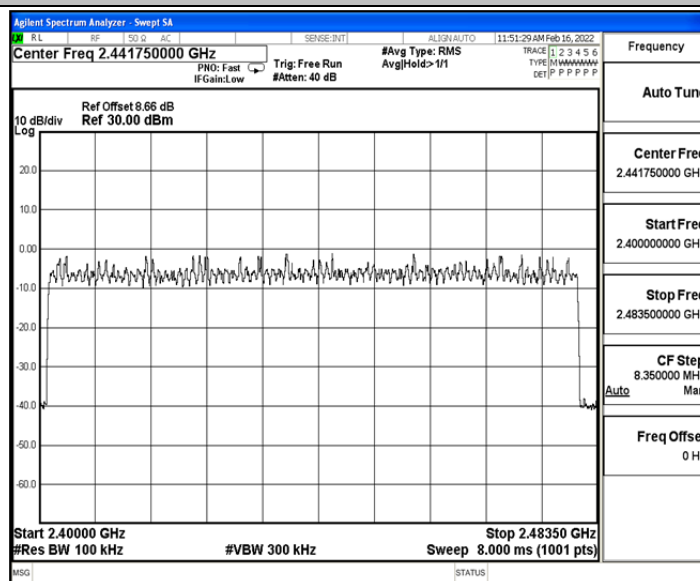


Test Graphs

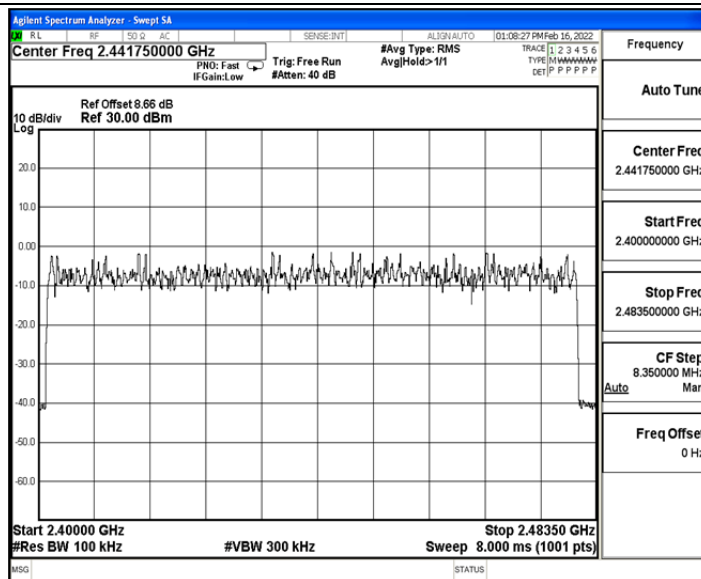
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

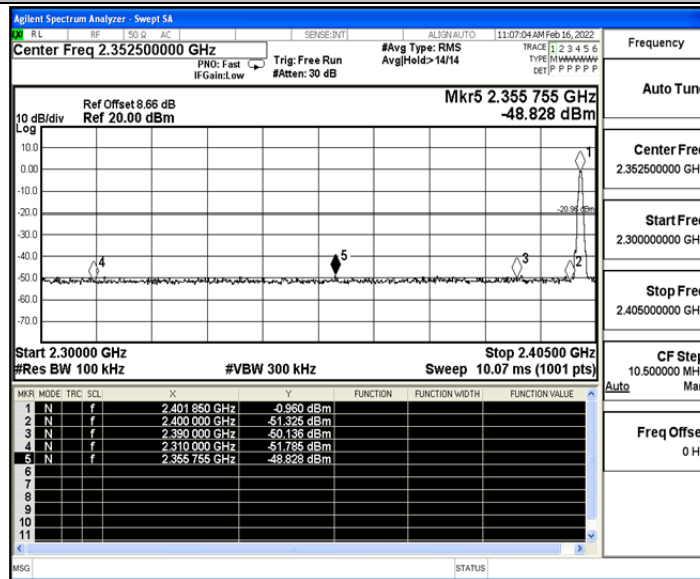
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.96	-48.83	≤ -20.96	PASS
		High	2480	-0.57	-47.91	≤ -20.57	PASS
		Low	Hop_2402	-1.86	-49.09	≤ -21.86	PASS
		High	Hop_2480	-0.71	-48.04	≤ -20.71	PASS
2DH5	Ant1	Low	2402	-1.83	-48.3	≤ -21.83	PASS
		High	2480	-1.57	-47.95	≤ -21.57	PASS
		Low	Hop_2402	-2.35	-48.74	≤ -22.35	PASS
		High	Hop_2480	-2.03	-46.96	≤ -22.03	PASS
3DH5	Ant1	Low	2402	-1.88	-48.17	≤ -21.88	PASS
		High	2480	-1.71	-47.59	≤ -21.71	PASS
		Low	Hop_2402	-4.17	-49.49	≤ -24.17	PASS
		High	Hop_2480	-1.82	-47.71	≤ -21.82	PASS

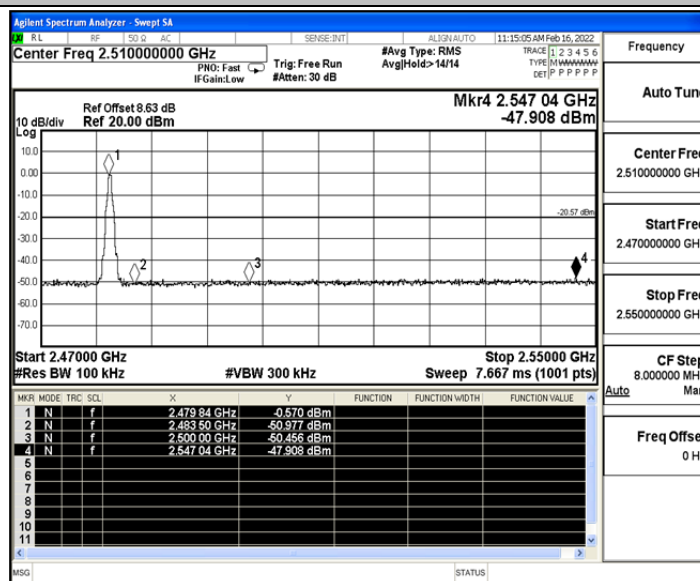


Test Graphs

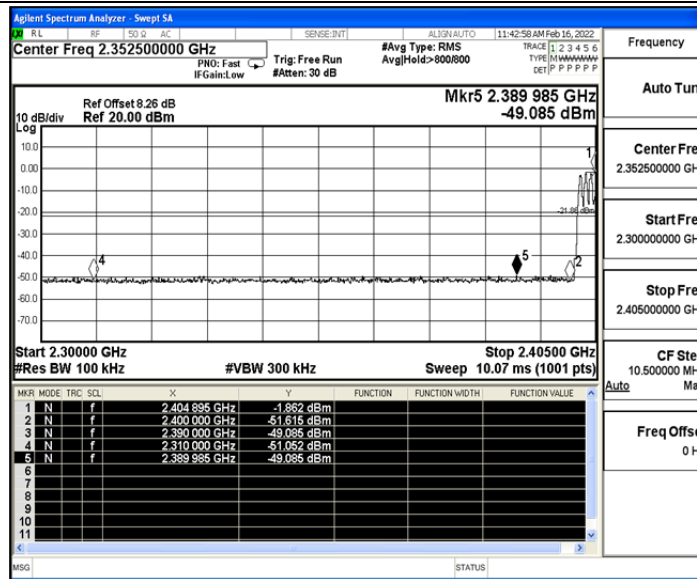
DH5_Ant1_Low_2402



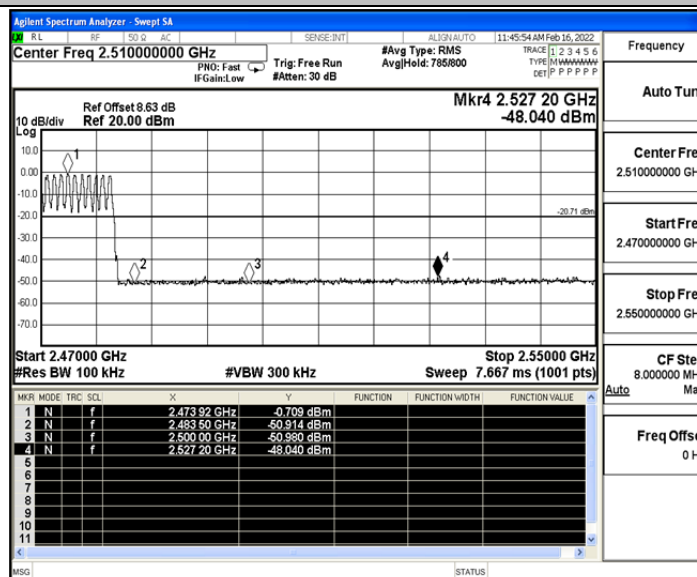
DH5_Ant1_High_2480



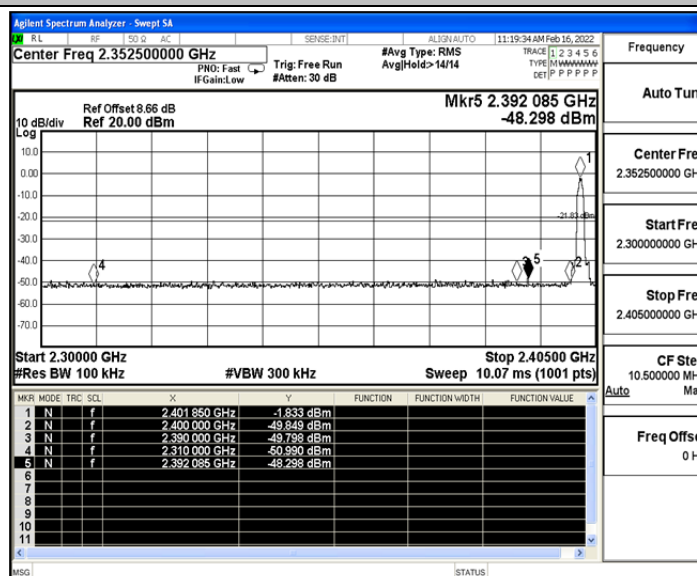
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

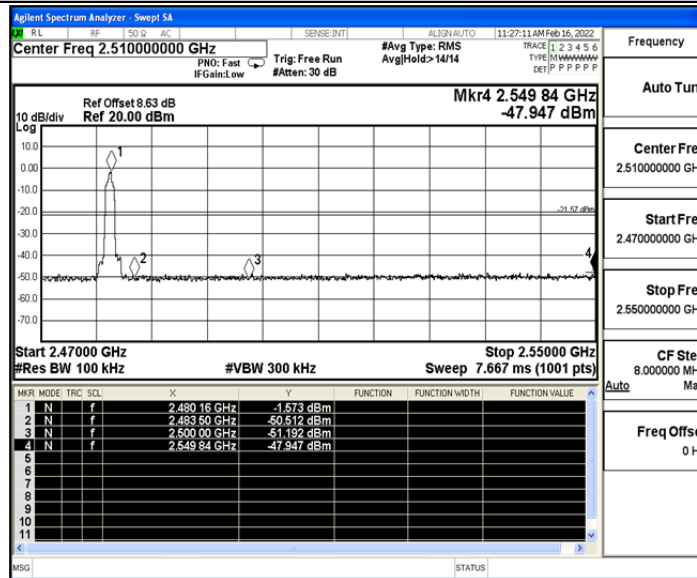


2DH5_Ant1_Low_2402

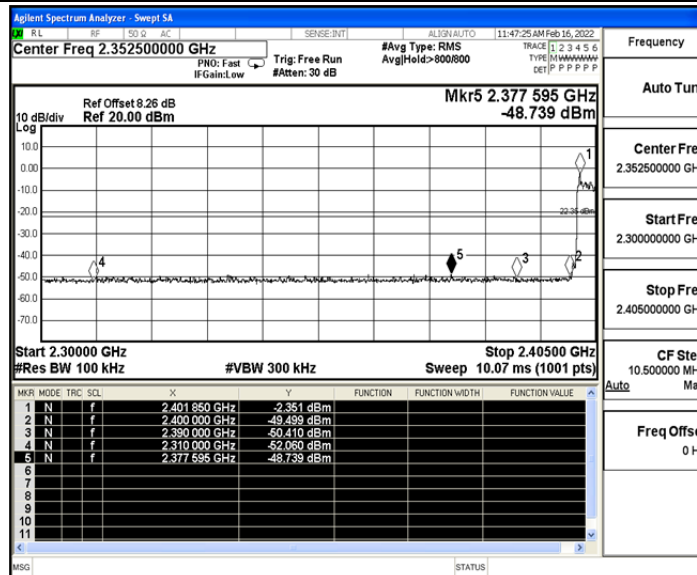




2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480