



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Bluetooth Speaker

Test Model: A SPEAKER03

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	<i>monkey.Li</i> Monkey Li
Supervised by:	<i>Li Huan</i> Li Huan



A.1 20dB Emission Bandwidth

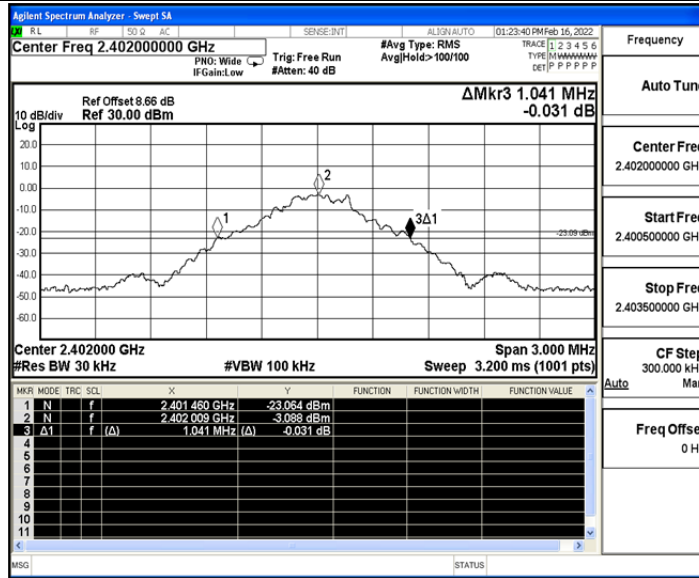
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.041	2401.460	2402.501	---	---
		2441	1.032	2440.463	2441.495	---	---
		2480	1.035	2479.463	2480.498	---	---
2DH5	Ant1	2402	1.290	2401.355	2402.645	---	---
		2441	1.290	2440.355	2441.645	---	---
		2480	1.293	2479.355	2480.648	---	---
3DH5	Ant1	2402	1.296	2401.343	2402.639	---	---
		2441	1.293	2440.343	2441.636	---	---
		2480	1.311	2479.337	2480.648	---	---

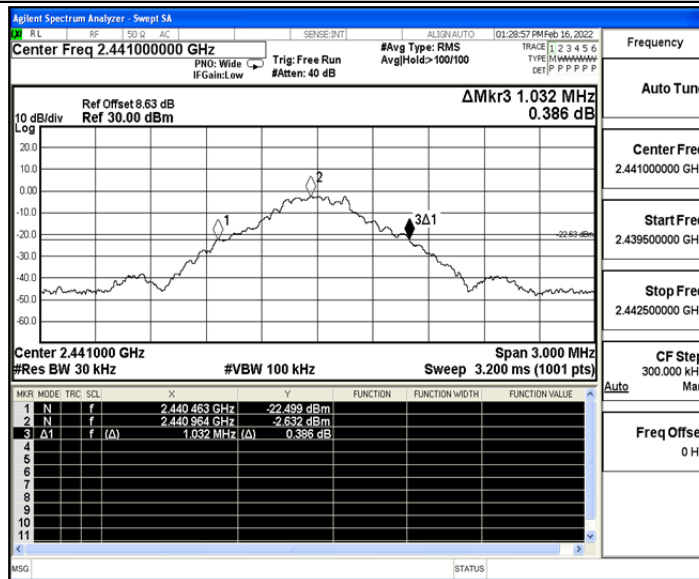


Test Graphs

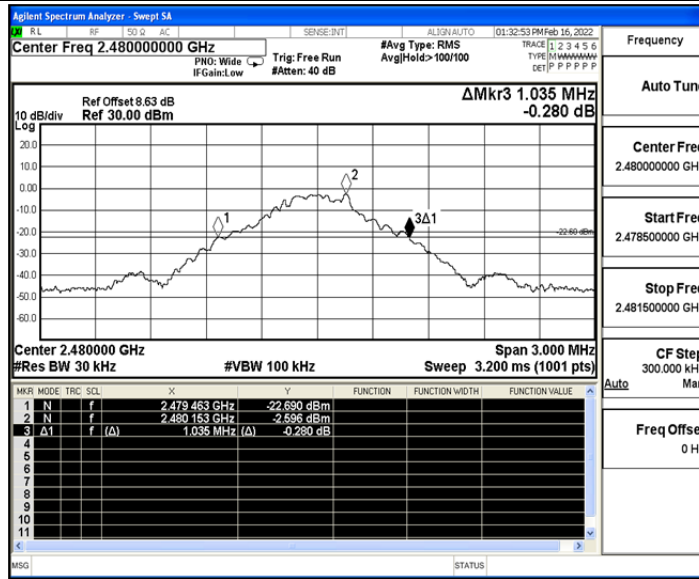
DH5_Ant1_2402



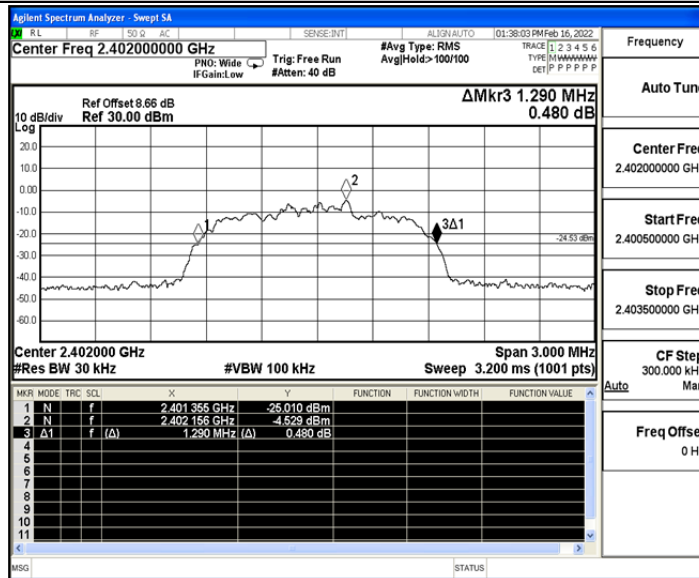
DH5_Ant1_2441



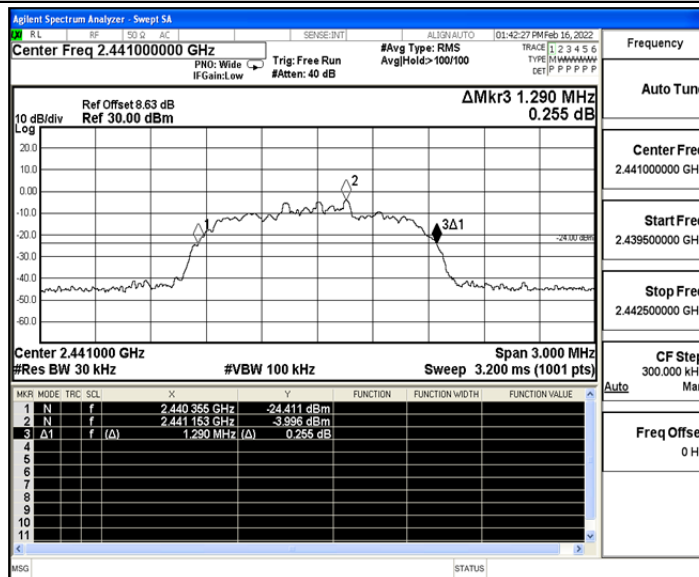
DH5_Ant1_2480



2DH5_Ant1_2402

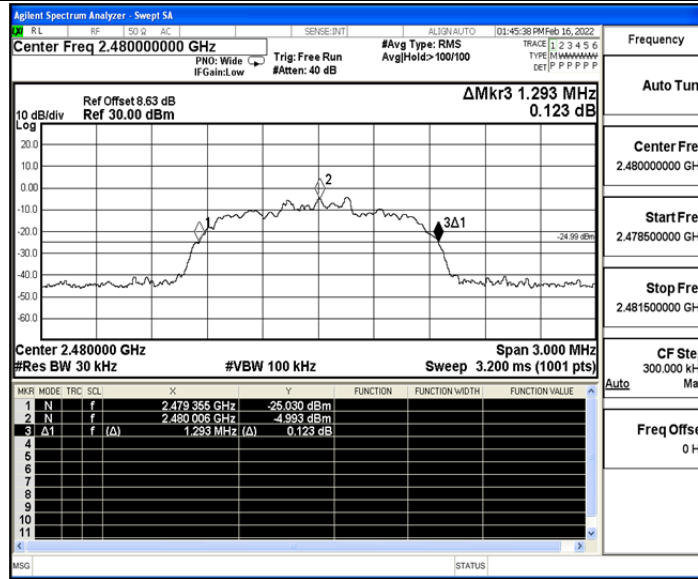


2DH5_Ant1_2441

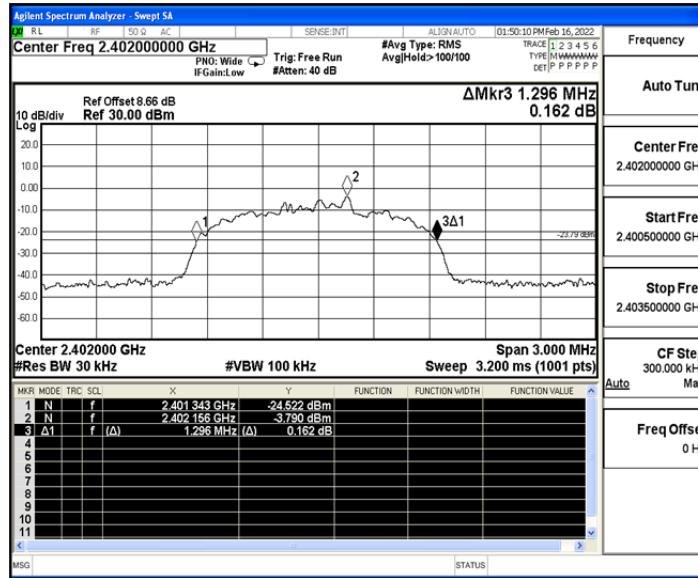




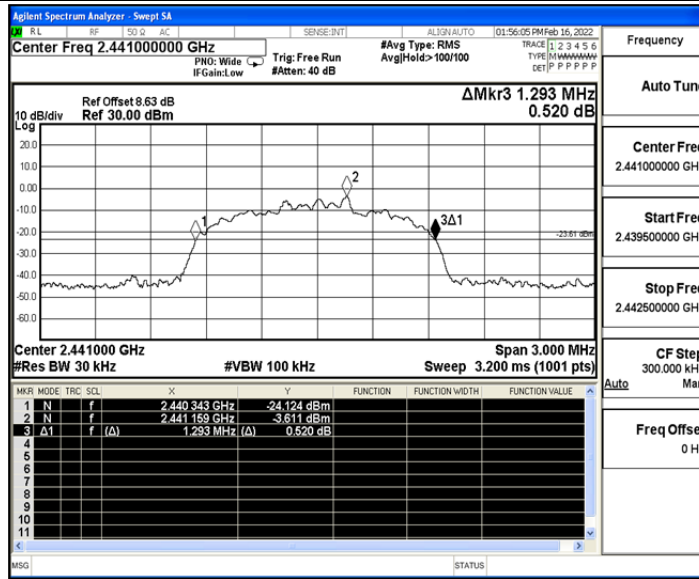
2DH5_Ant1_2480



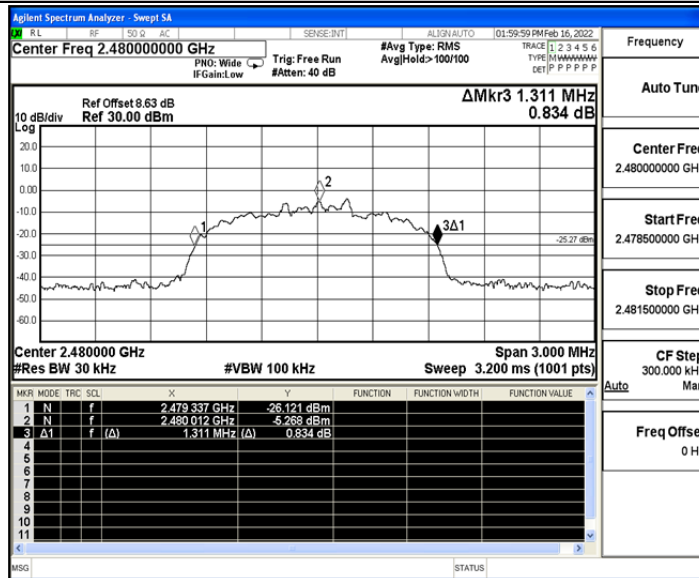
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

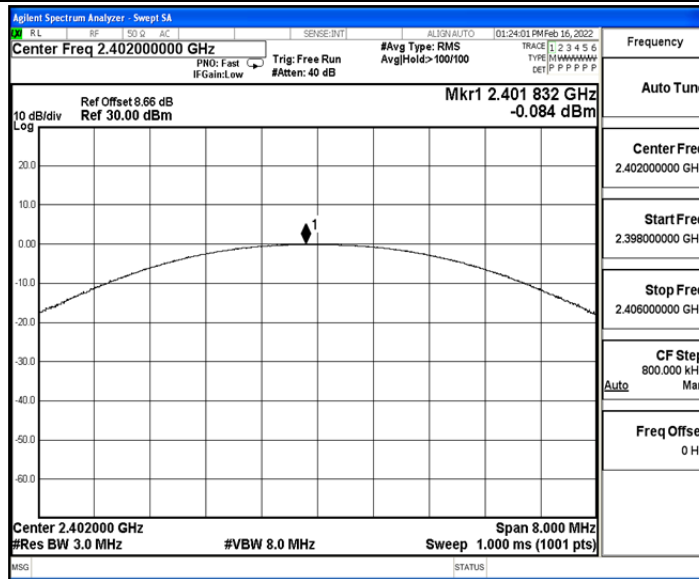
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.08	≤ 20.97	PASS
		2441	0.42	≤ 20.97	PASS
		2480	0.14	≤ 20.97	PASS
2DH5	Ant1	2402	-0.42	≤ 20.97	PASS
		2441	0.09	≤ 20.97	PASS
		2480	-0.11	≤ 20.97	PASS
3DH5	Ant1	2402	-0.33	≤ 20.97	PASS
		2441	0.25	≤ 20.97	PASS
		2480	-0.1	≤ 20.97	PASS

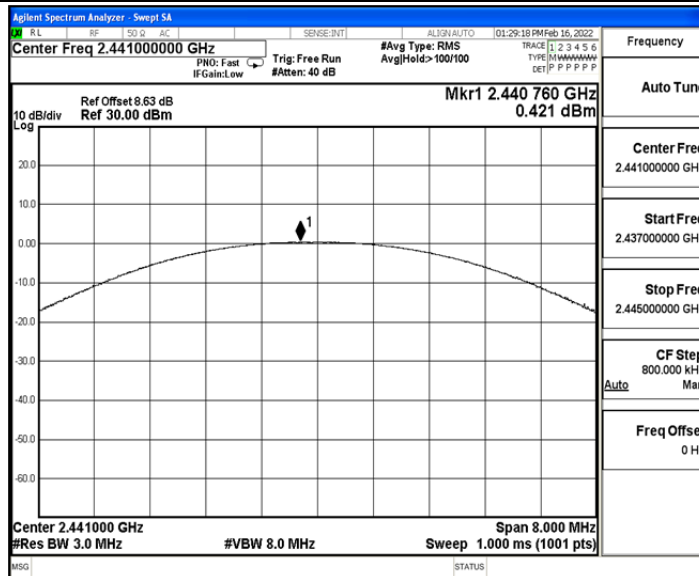


Test Graphs

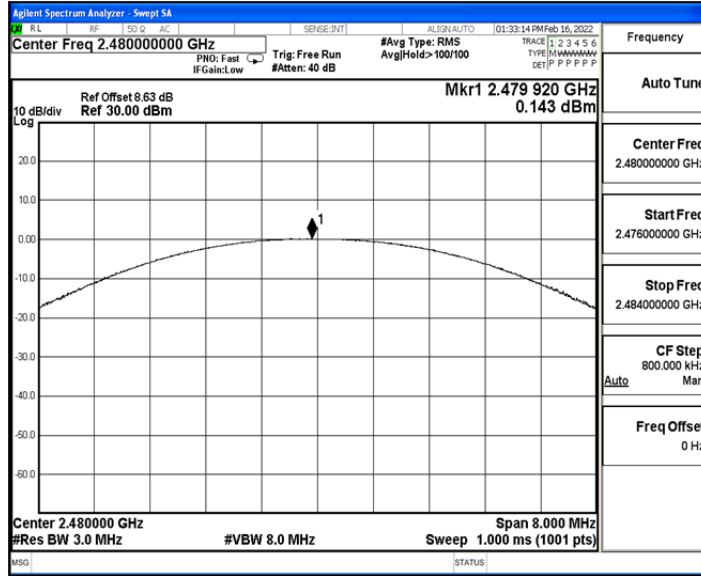
DH5_Ant1_2402



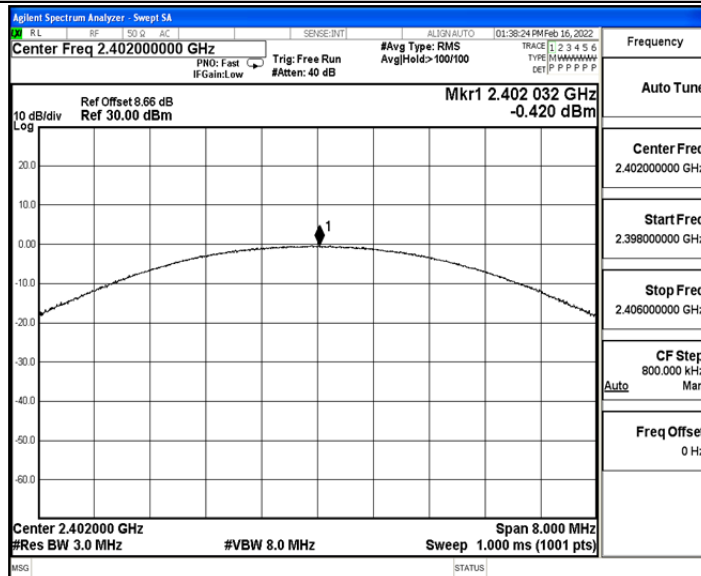
DH5_Ant1_2441



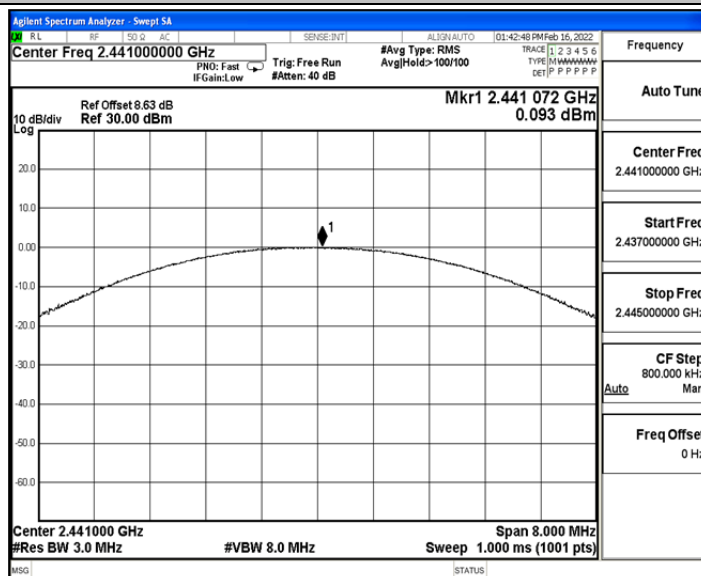
DH5_Ant1_2480



2DH5_Ant1_2402

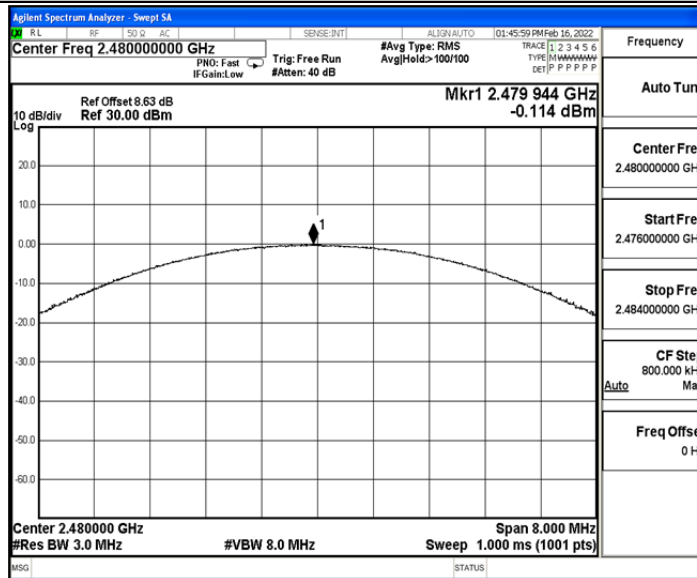


2DH5_Ant1_2441

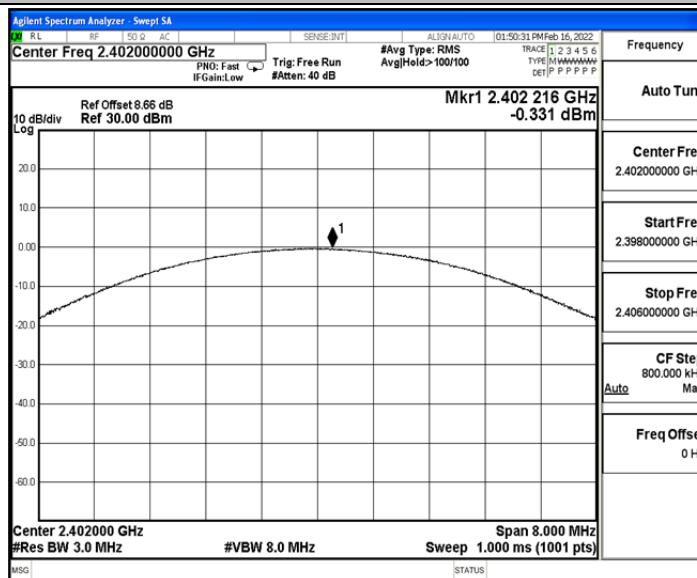




2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



A.3 Carrier frequency separation

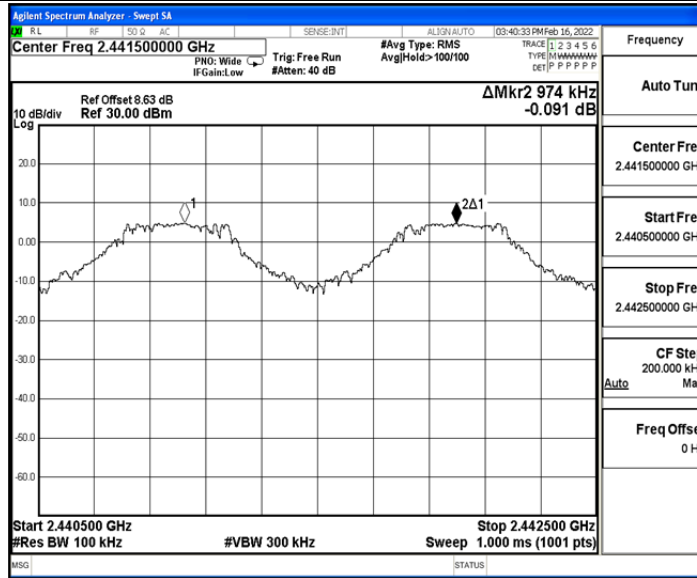
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.974	≥ 0.694	PASS
2DH5	Ant1	Hop	1.036	≥ 0.862	PASS
3DH5	Ant1	Hop	1.016	≥ 0.874	PASS

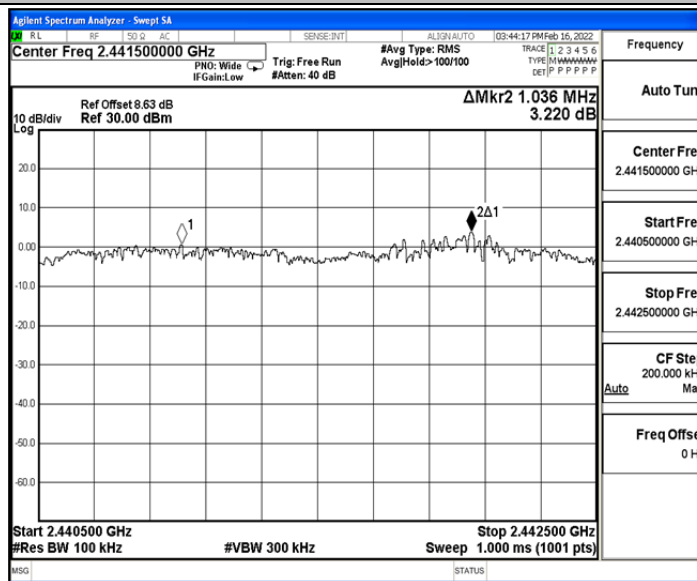


Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



A.4 Time of occupancy

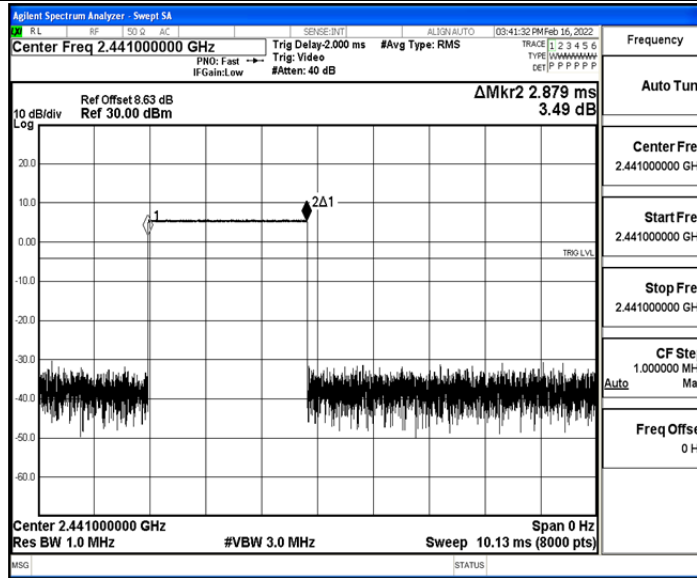
Test Result

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

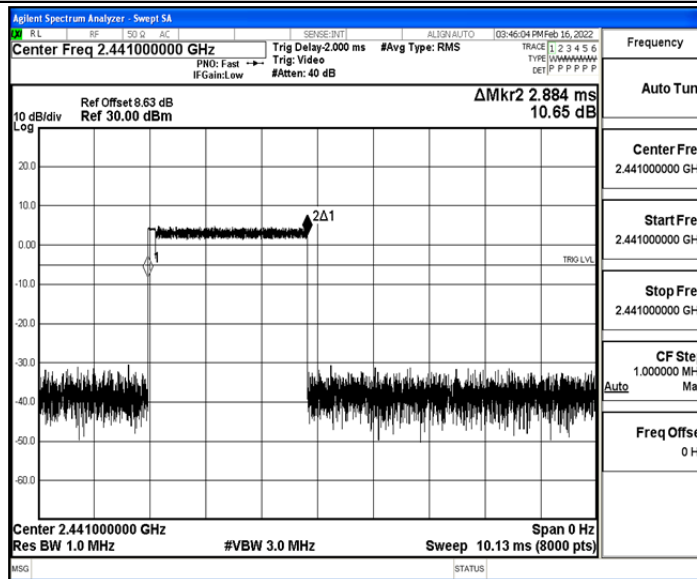


Test Graphs

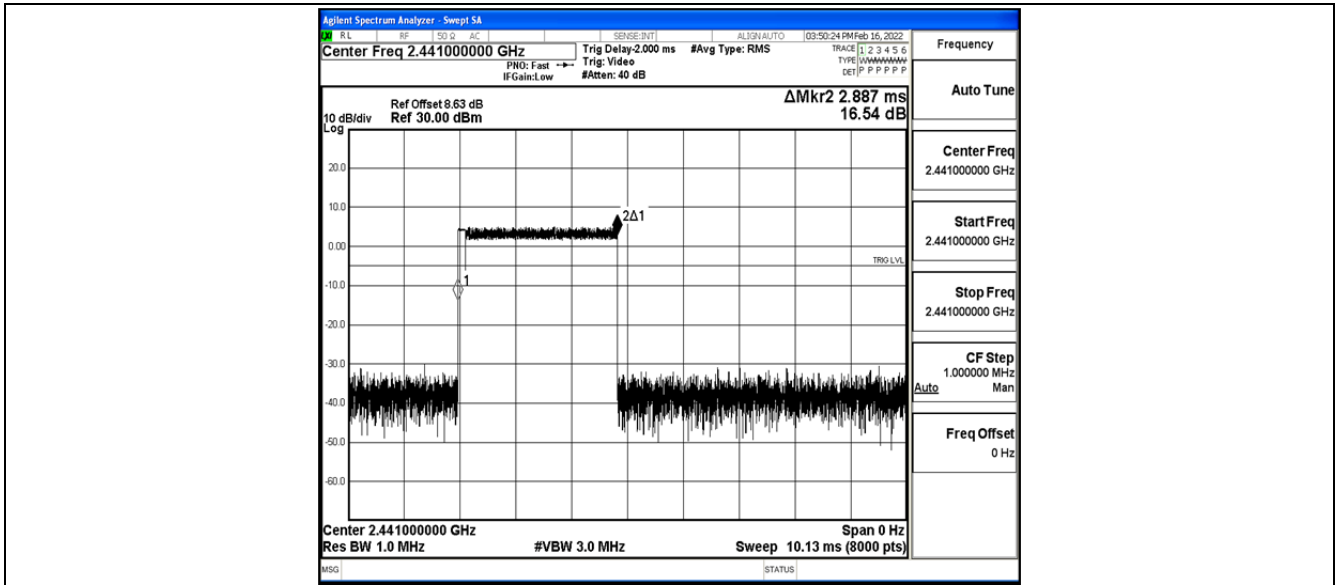
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.5 Number of hopping channels

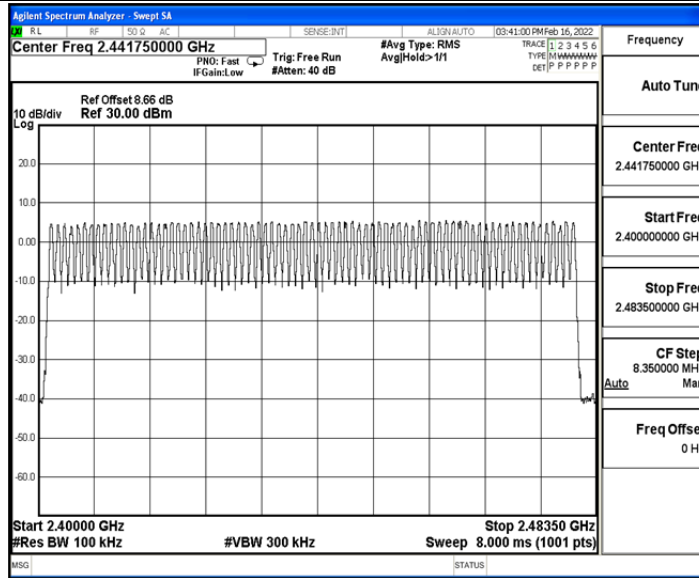
Test Result

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

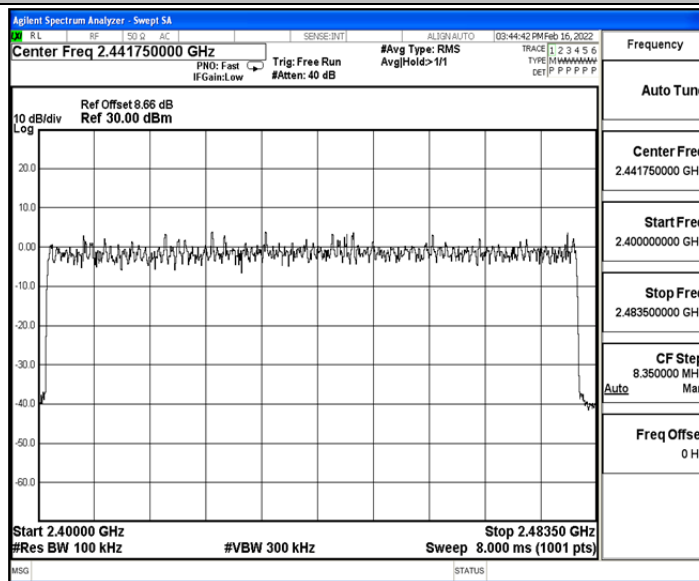


Test Graphs

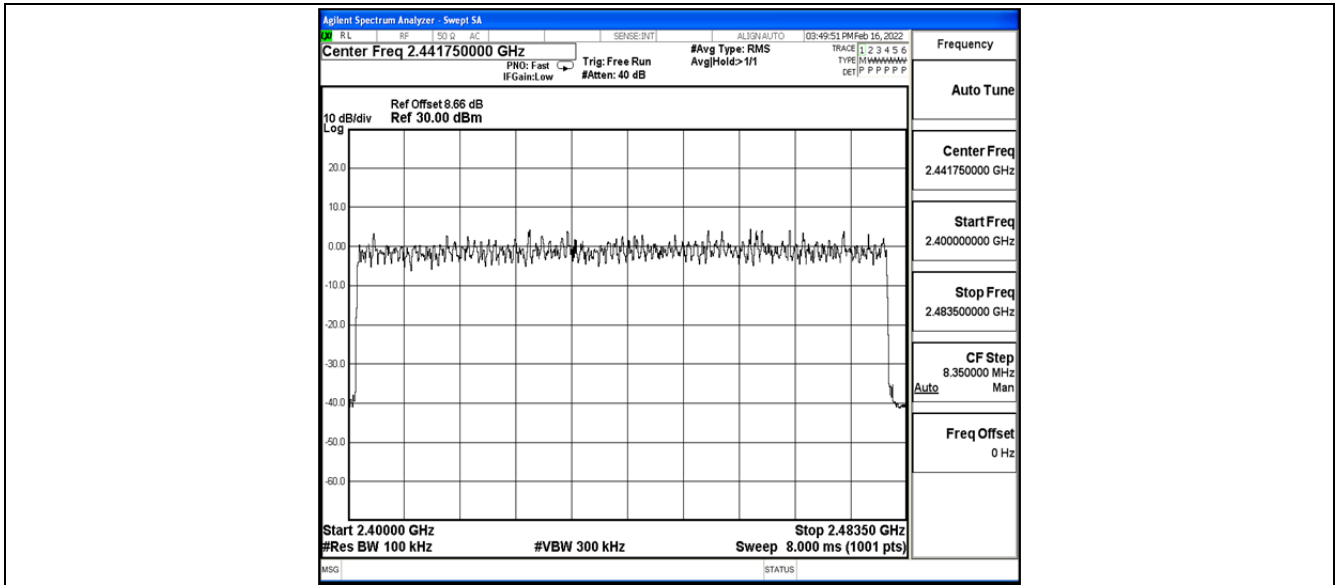
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

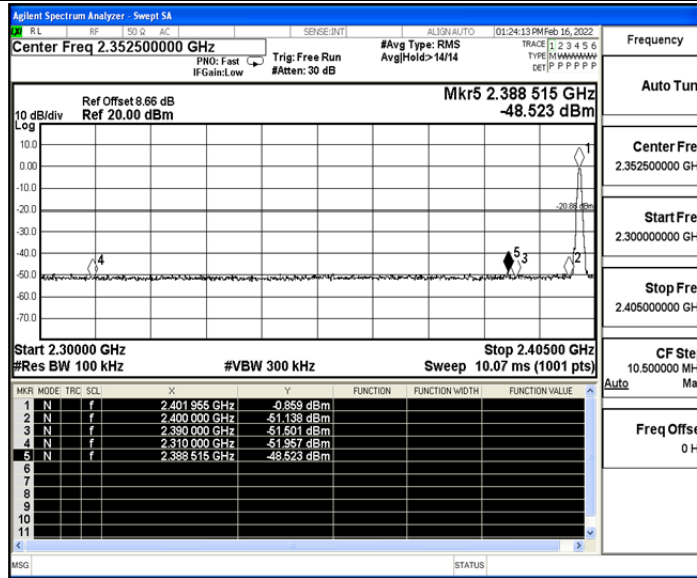
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.86	-48.52	≤ -20.86	PASS
		High	2480	-0.61	-47.84	≤ -20.61	PASS
		Low	Hop_2402	4.29	-48.66	≤ -15.71	PASS
		High	Hop_2480	5.16	-46.3	≤ -14.84	PASS
2DH5	Ant1	Low	2402	-3.10	-48.71	≤ -23.1	PASS
		High	2480	-1.52	-47.67	≤ -21.52	PASS
		Low	Hop_2402	2.96	-49.5	≤ -17.04	PASS
		High	Hop_2480	2.23	-48.2	≤ -17.77	PASS
3DH5	Ant1	Low	2402	-1.85	-48.59	≤ -21.85	PASS
		High	2480	-1.52	-47.72	≤ -21.52	PASS
		Low	Hop_2402	-0.53	-48.82	≤ -20.53	PASS
		High	Hop_2480	3.70	-47.26	≤ -16.3	PASS

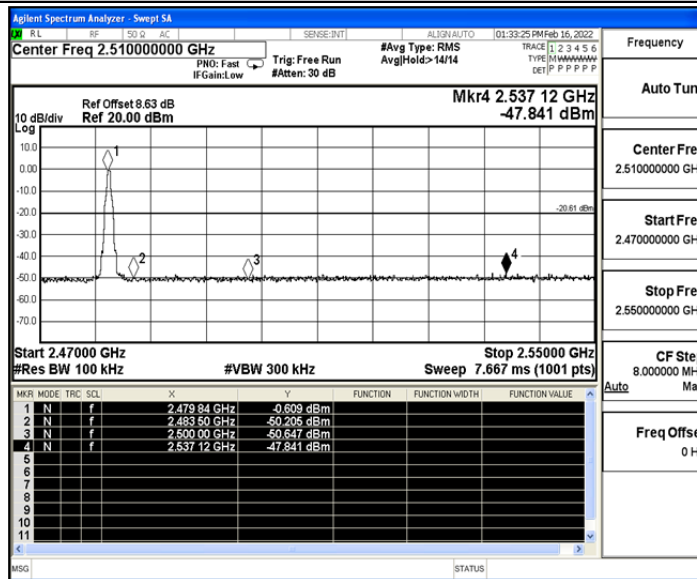


Test Graphs

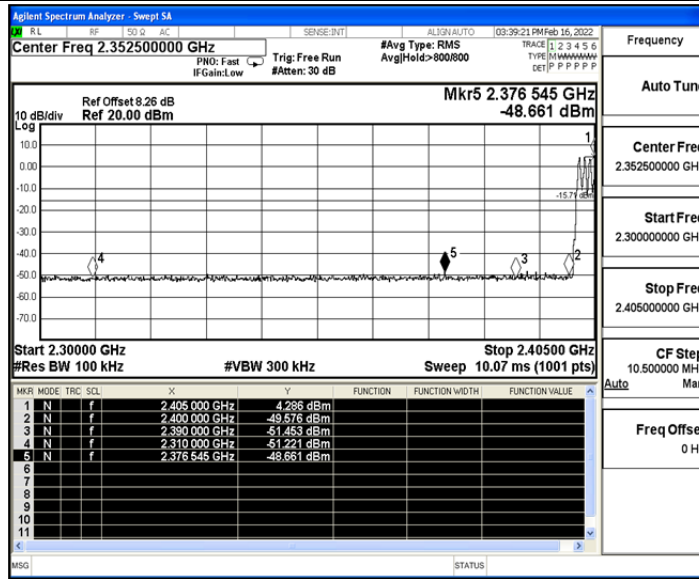
DH5_Ant1_Low_2402



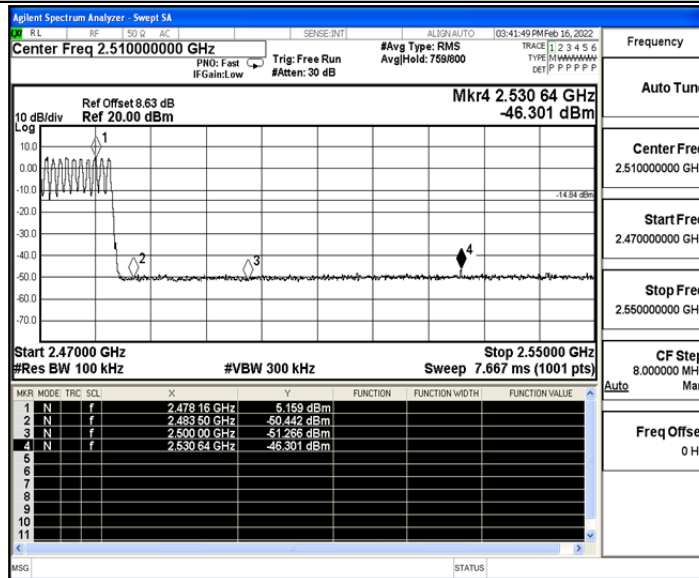
DH5_Ant1_High_2480



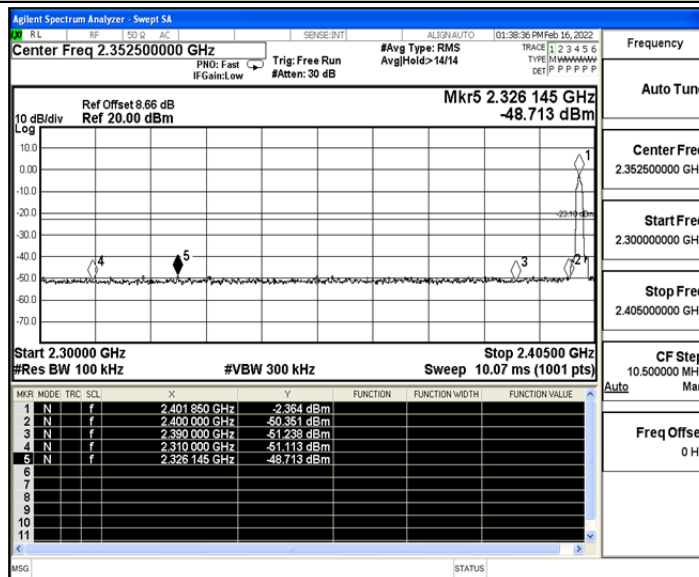
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

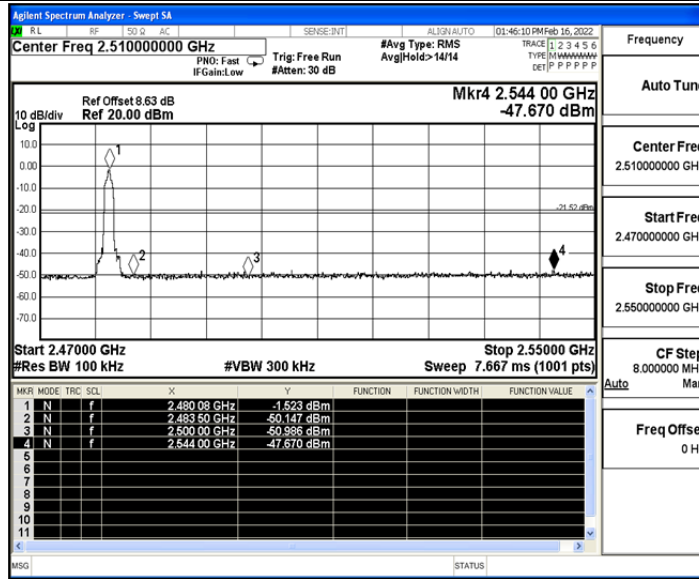


2DH5_Ant1_Low_2402

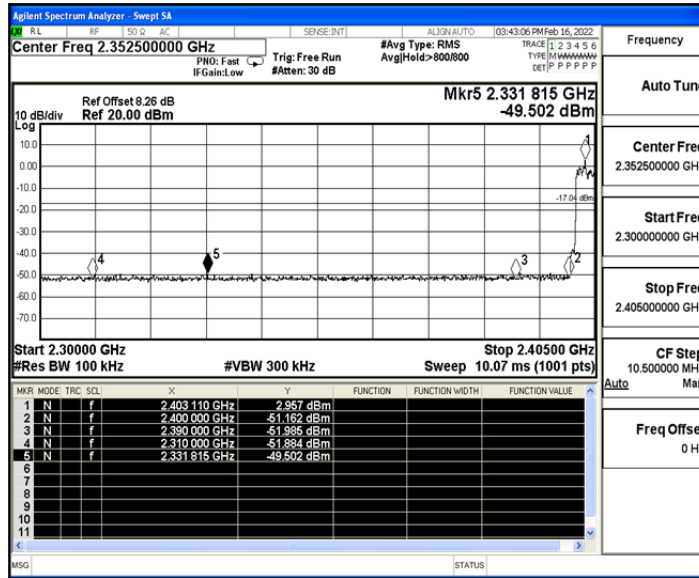




2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480