



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Bluetooth Speaker

Test Model: A SPEAKER06

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

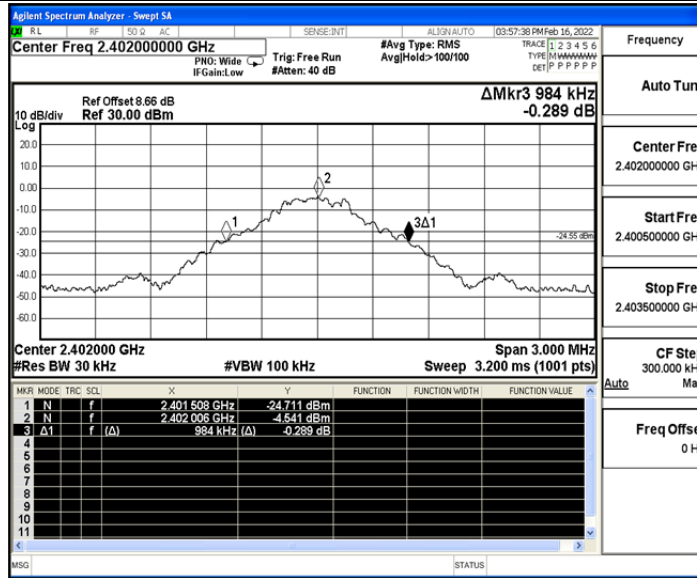
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.984	2401.508	2402.492	---	---
		2441	1.038	2440.457	2441.495	---	---
		2480	1.041	2479.448	2480.489	---	---
2DH5	Ant1	2402	1.296	2401.349	2402.645	---	---
		2441	1.323	2440.325	2441.648	---	---
		2480	1.317	2479.328	2480.645	---	---
3DH5	Ant1	2402	1.296	2401.337	2402.633	---	---
		2441	1.296	2440.337	2441.633	---	---
		2480	1.308	2479.334	2480.642	---	---

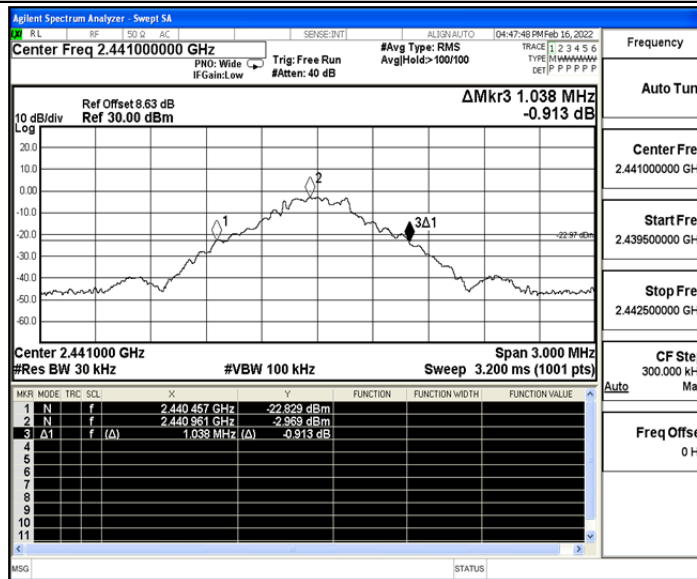


Test Graphs

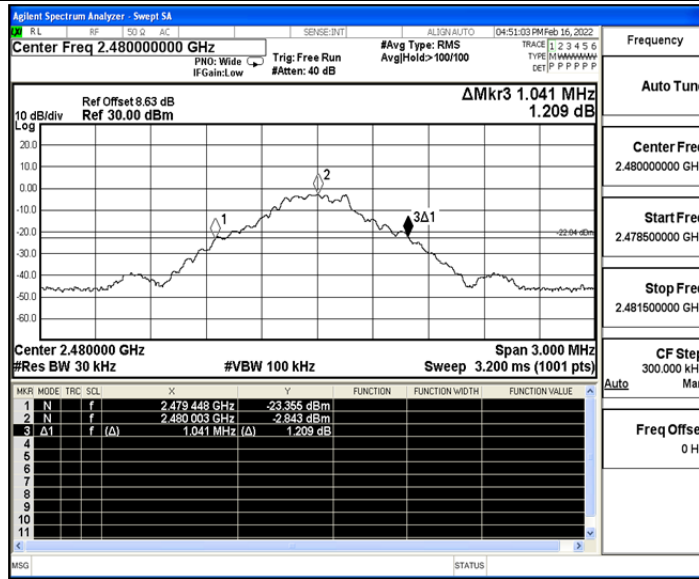
DH5_Ant1_2402



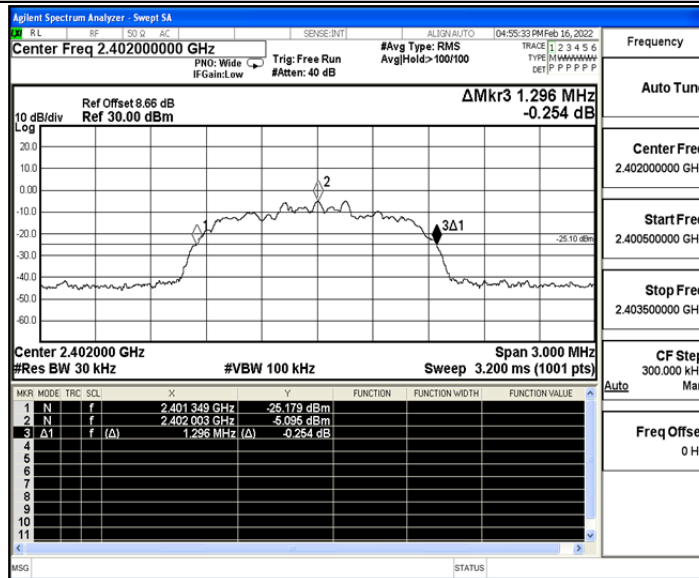
DH5_Ant1_2441



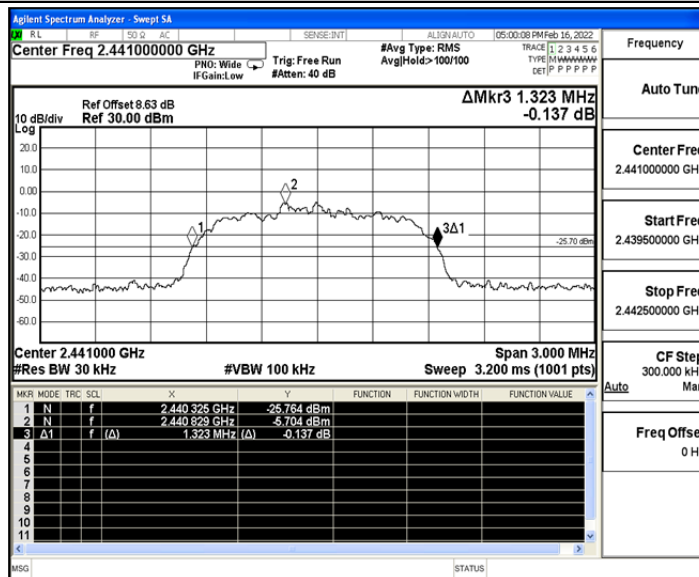
DH5_Ant1_2480



2DH5_Ant1_2402

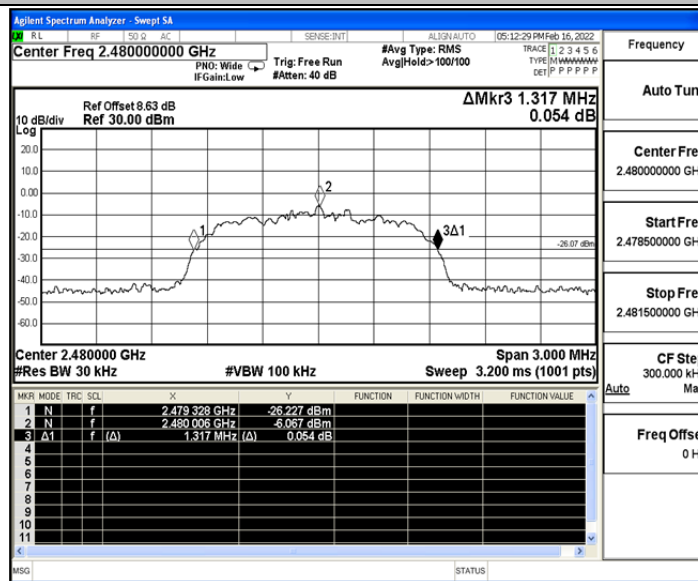


2DH5_Ant1_2441

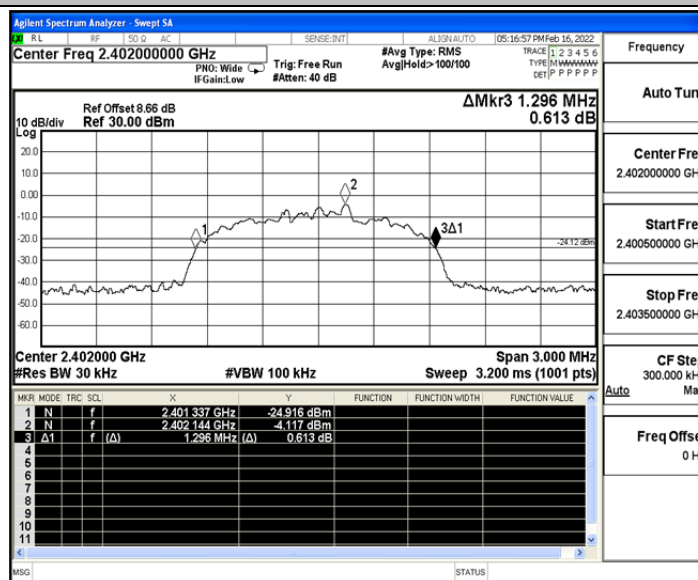




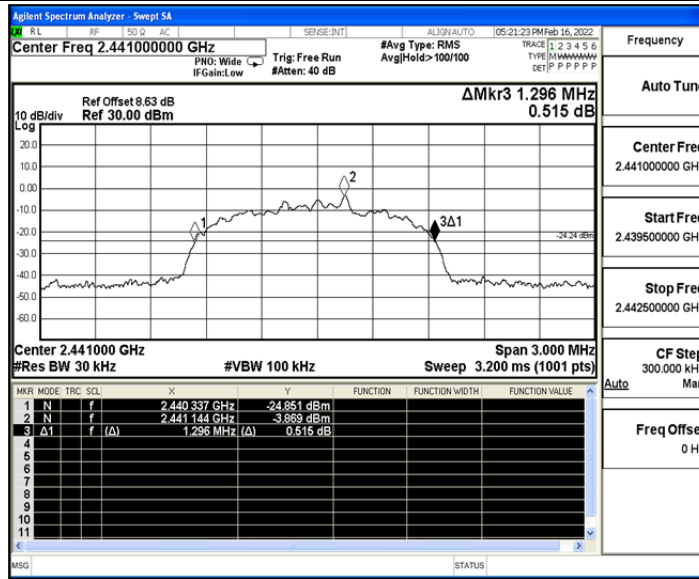
2DH5_Ant1_2480



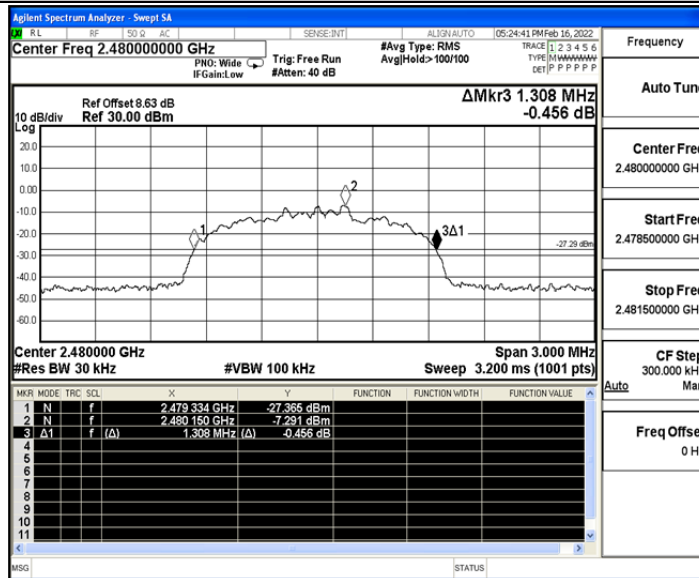
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

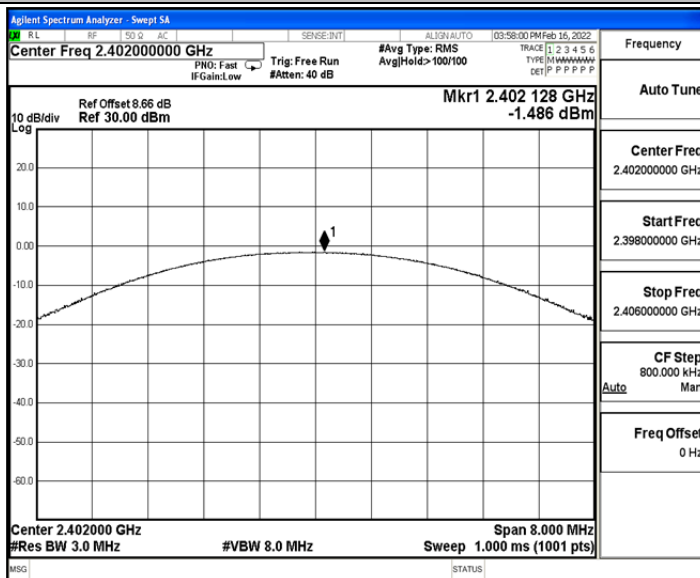
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.49	≤ 20.97	PASS
		2441	0.07	≤ 20.97	PASS
		2480	-0.27	≤ 20.97	PASS
2DH5	Ant1	2402	-0.34	≤ 20.97	PASS
		2441	0.2	≤ 20.97	PASS
		2480	-0.84	≤ 20.97	PASS
3DH5	Ant1	2402	-0.43	≤ 20.97	PASS
		2441	0.28	≤ 20.97	PASS
		2480	-1.99	≤ 20.97	PASS

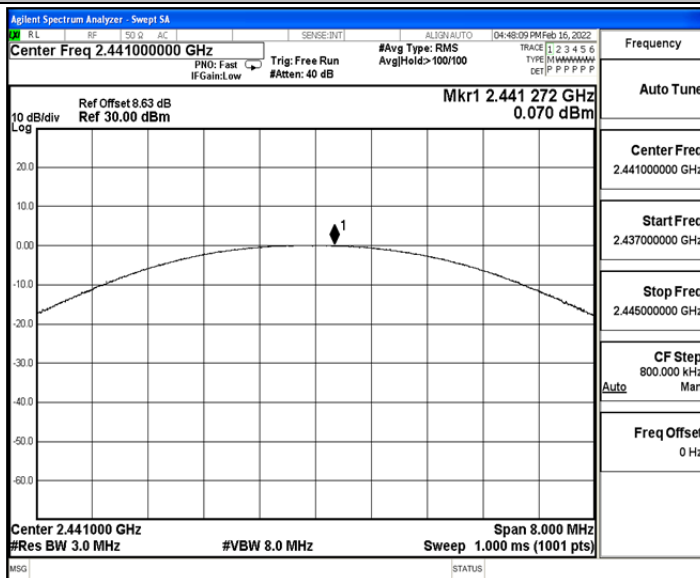


Test Graphs

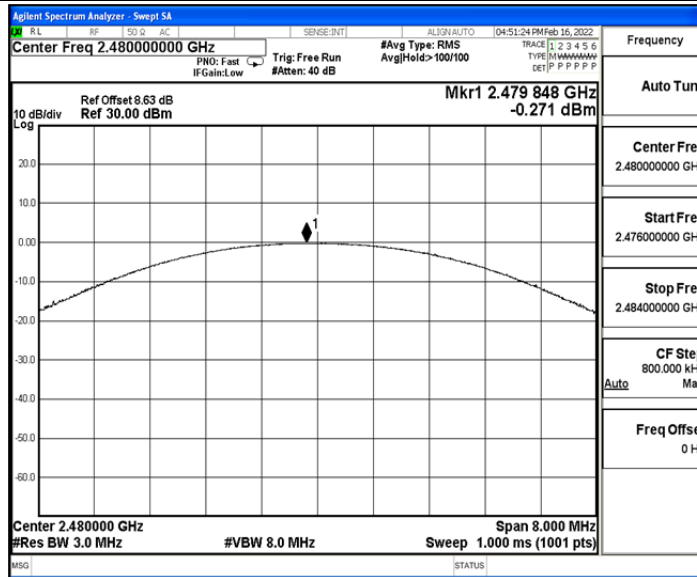
DH5_Ant1_2402



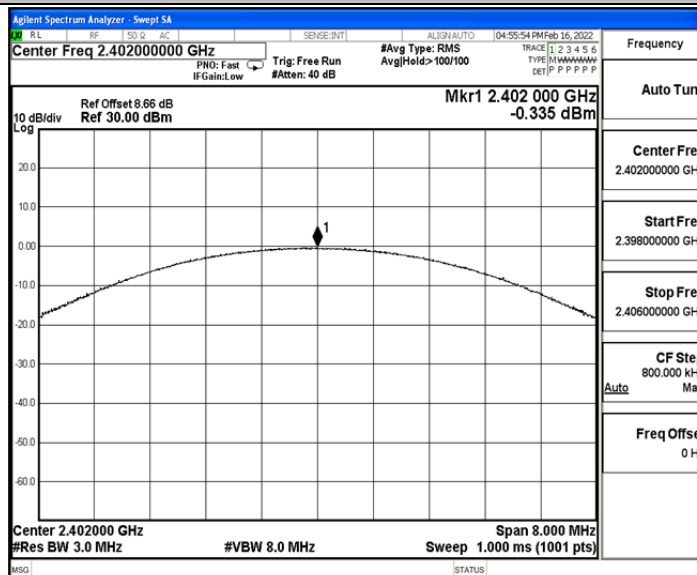
DH5_Ant1_2441



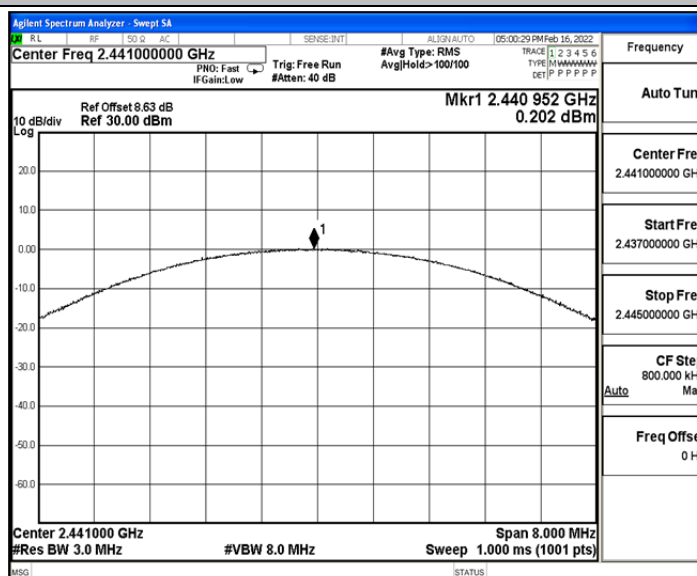
DH5_Ant1_2480



2DH5_Ant1_2402

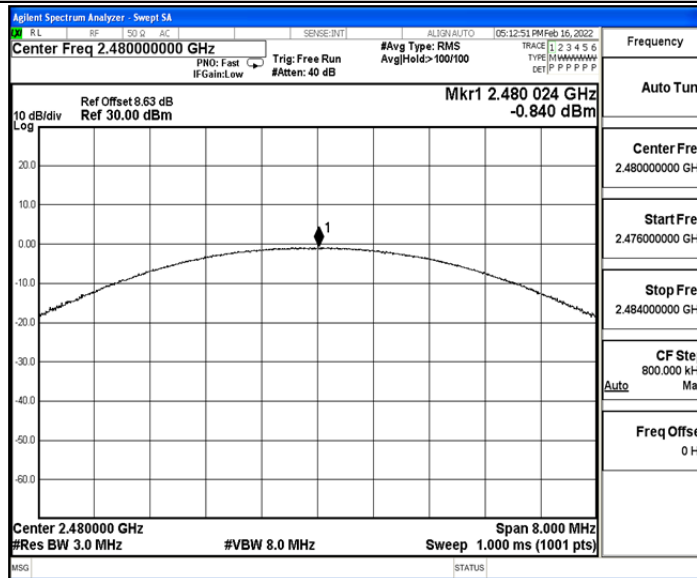


2DH5_Ant1_2441

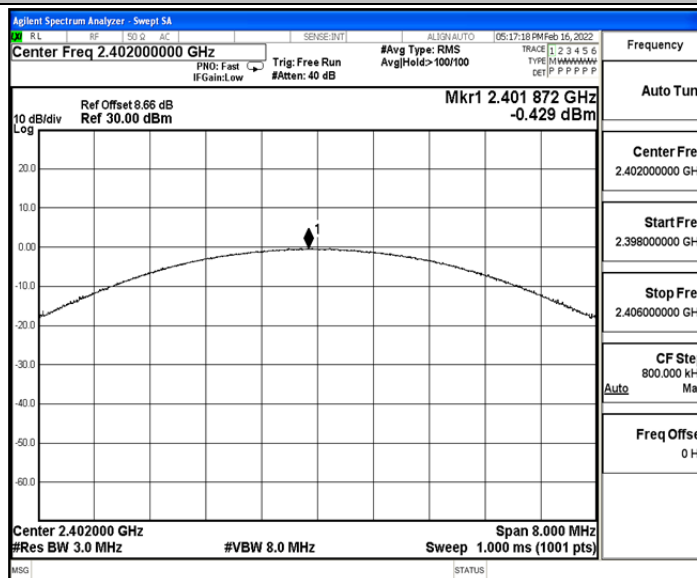




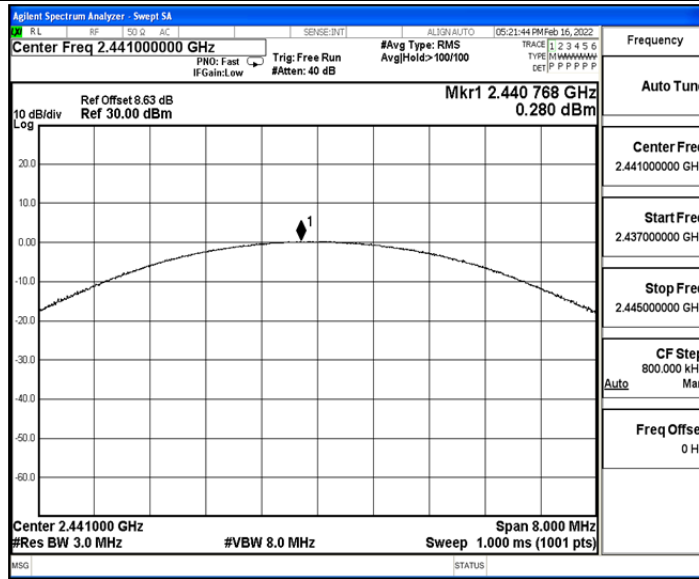
2DH5_Ant1_2480



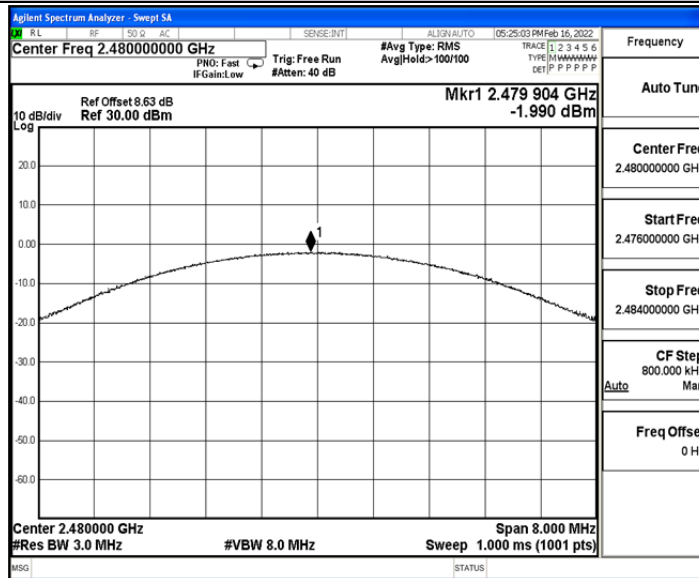
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

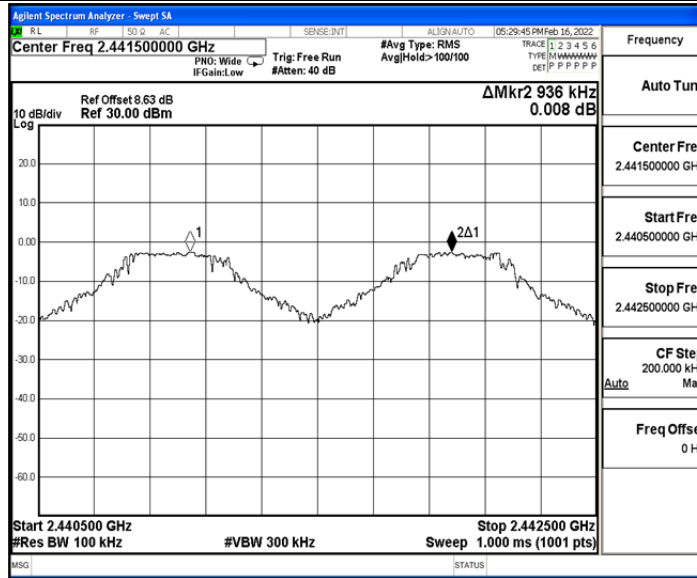
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.936	≥ 0.694	PASS
2DH5	Ant1	Hop	1.32	≥ 0.882	PASS
3DH5	Ant1	Hop	1.056	≥ 0.872	PASS

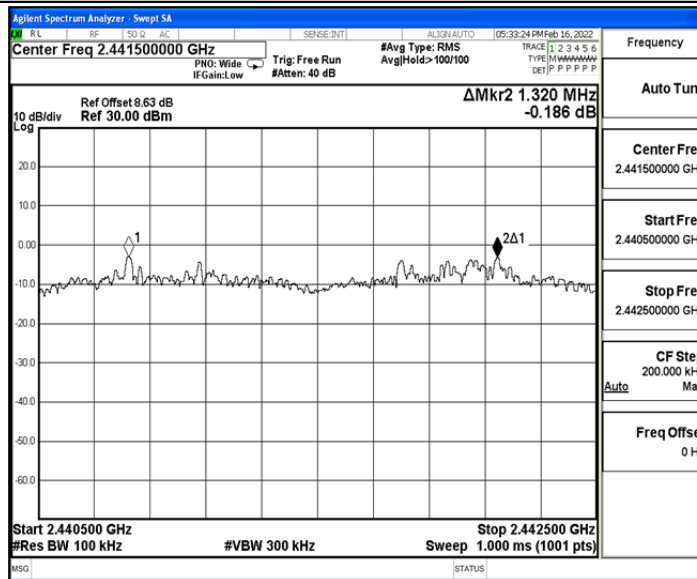


Test Graphs

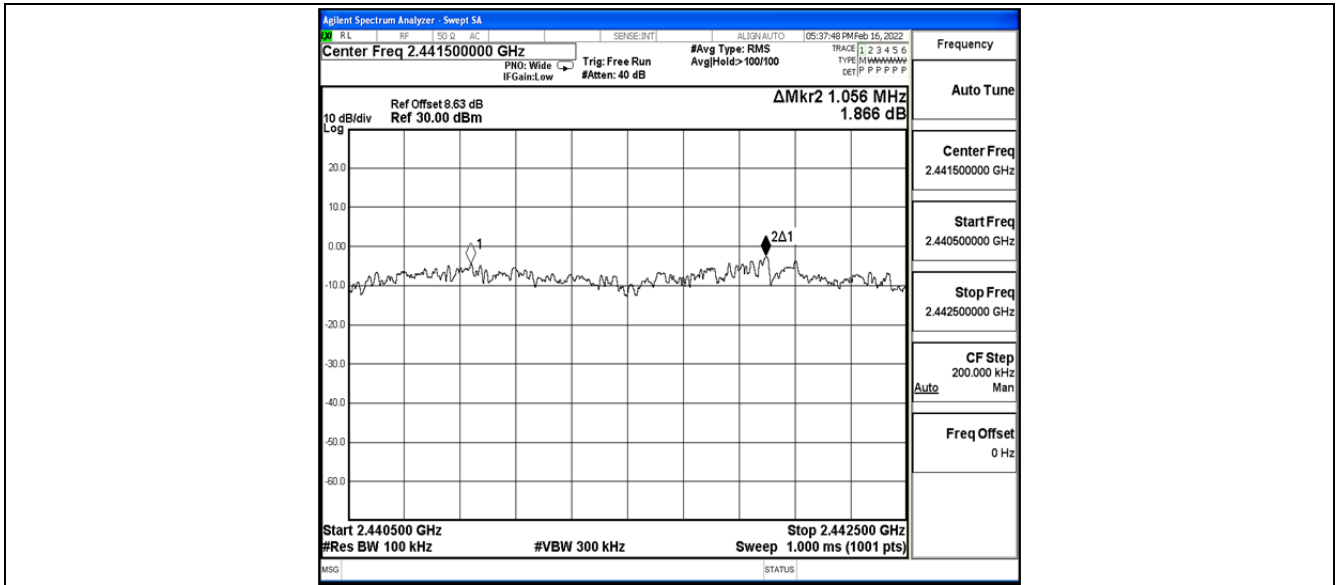
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

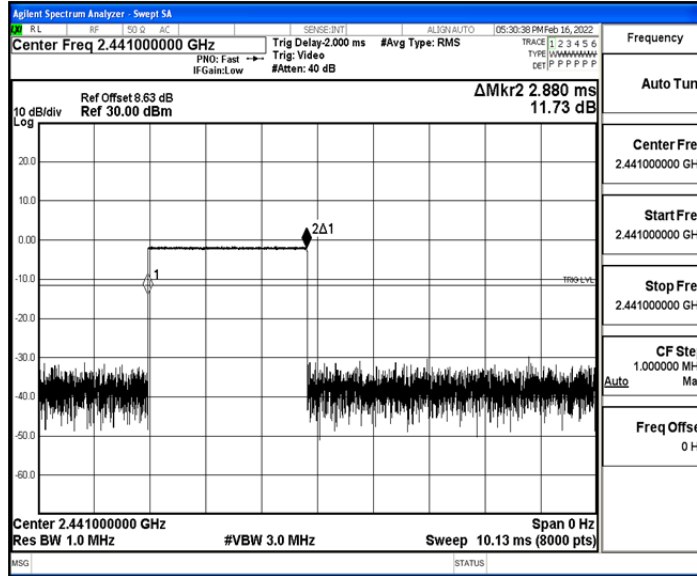
Test Result

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

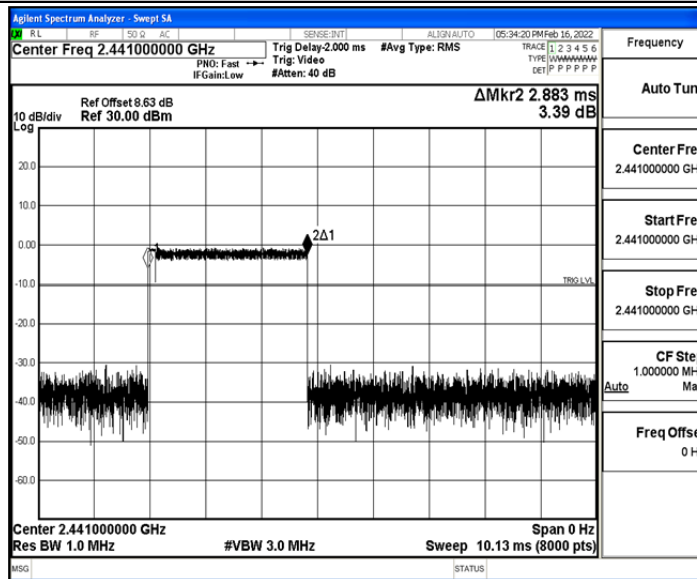


Test Graphs

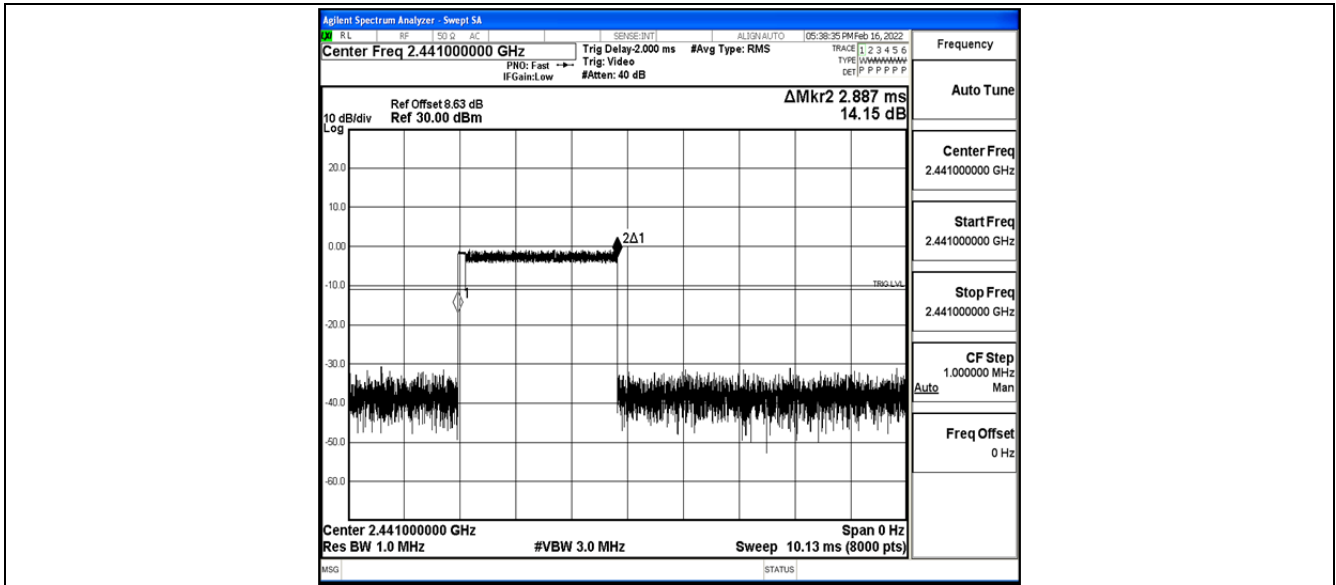
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.5 Number of hopping channels

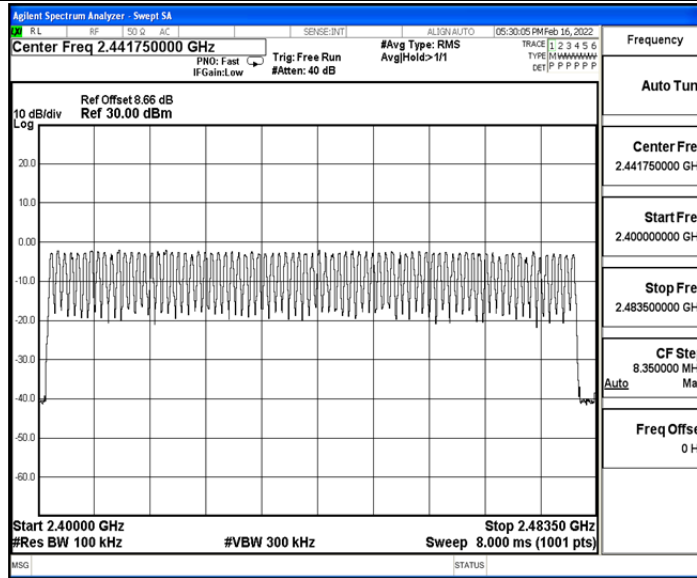
Test Result

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

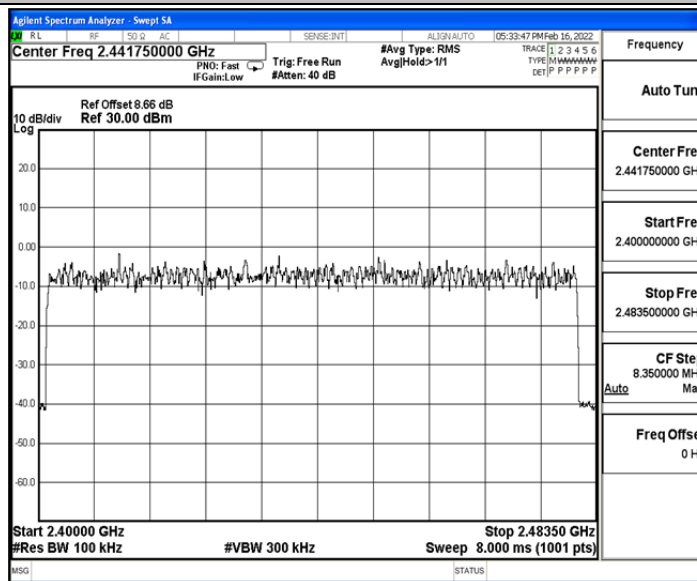


Test Graphs

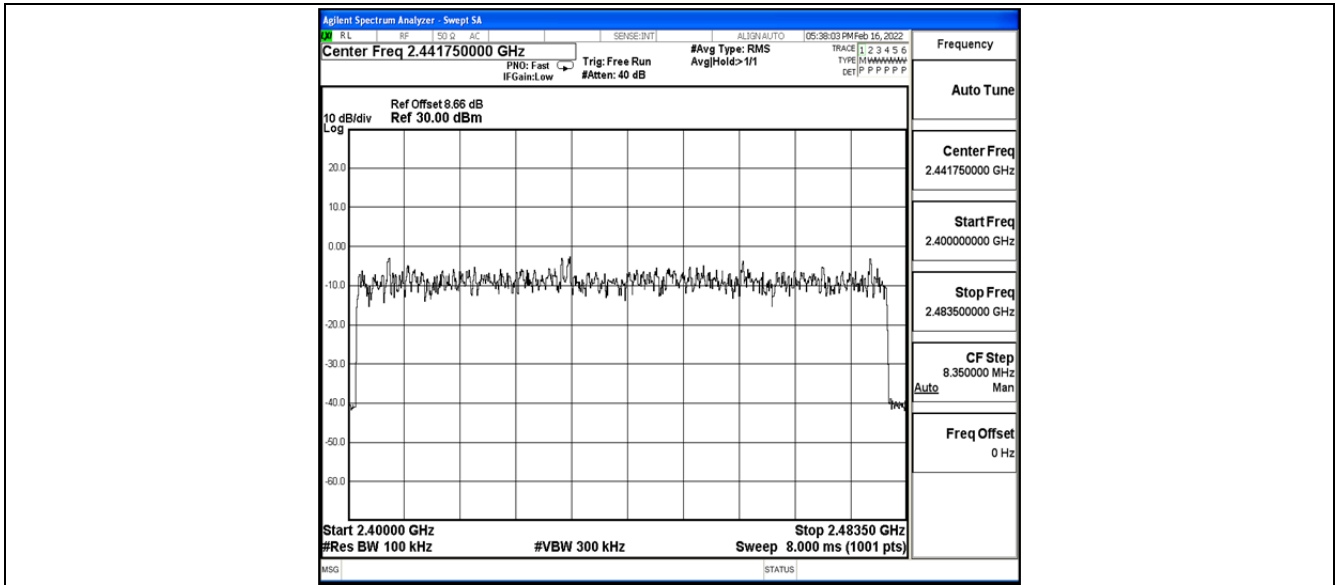
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

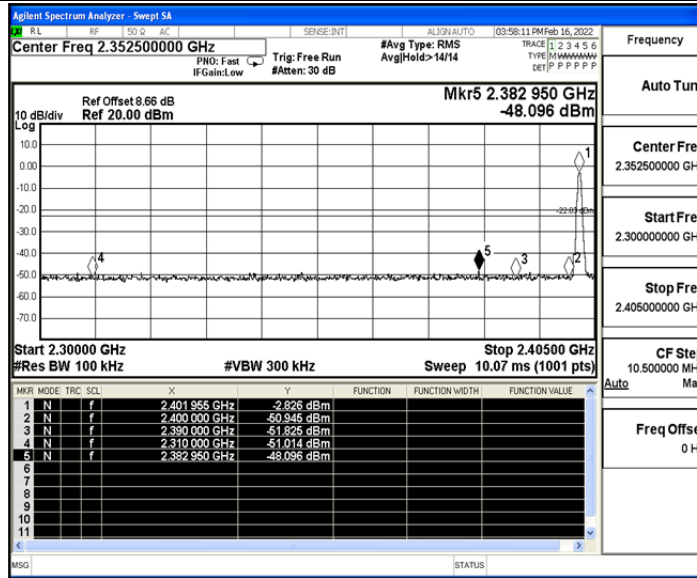
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.83	-48.1	≤ -22.83	PASS
		High	2480	-0.66	-47.94	≤ -20.66	PASS
		Low	Hop_2402	-2.44	-48.84	≤ -22.44	PASS
		High	Hop_2480	-2.87	-48.2	≤ -22.87	PASS
2DH5	Ant1	Low	2402	-5.13	-49.28	≤ -25.13	PASS
		High	2480	-2.17	-48.05	≤ -22.17	PASS
		Low	Hop_2402	-8.00	-49.04	≤ -28	PASS
		High	Hop_2480	-3.14	-48.26	≤ -23.14	PASS
3DH5	Ant1	Low	2402	-2.90	-48.92	≤ -22.9	PASS
		High	2480	-3.36	-48.07	≤ -23.36	PASS
		Low	Hop_2402	-5.84	-49.55	≤ -25.84	PASS
		High	Hop_2480	-2.69	-47.85	≤ -22.69	PASS

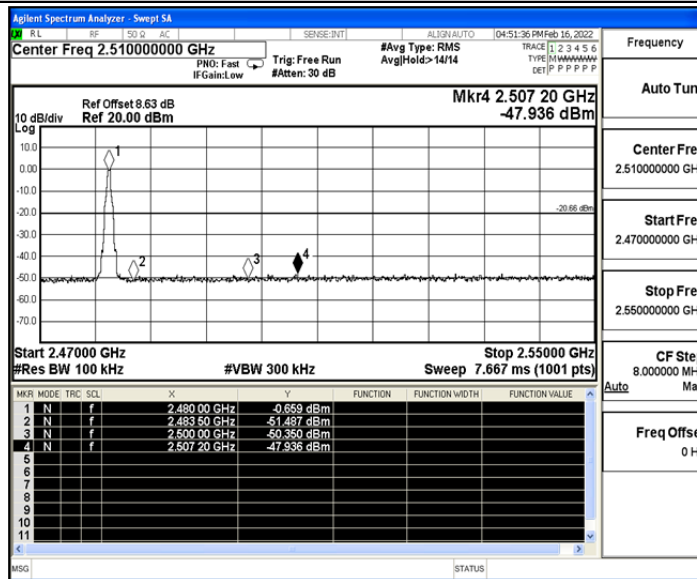


Test Graphs

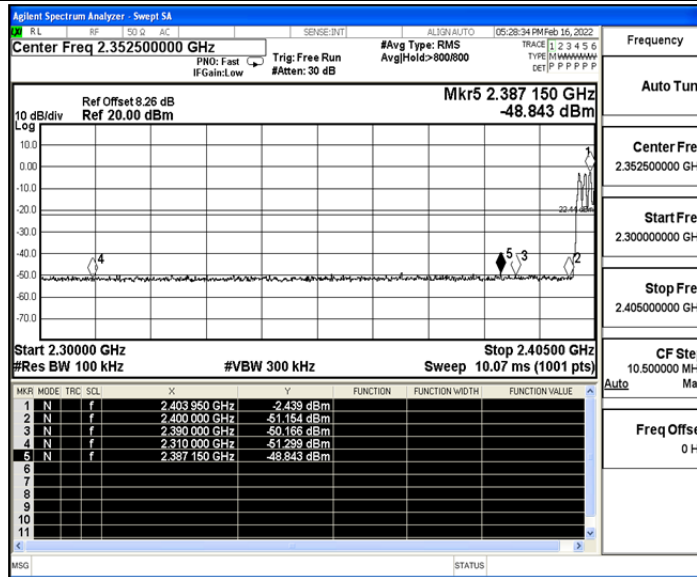
DH5_Ant1_Low_2402



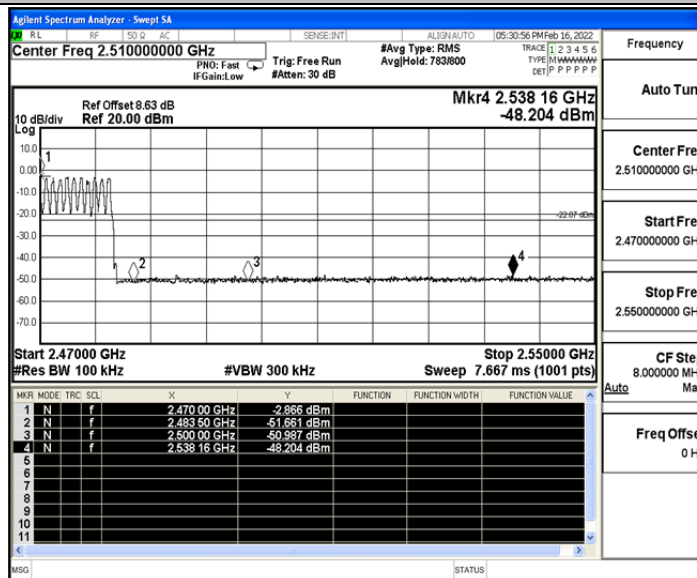
DH5_Ant1_High_2480



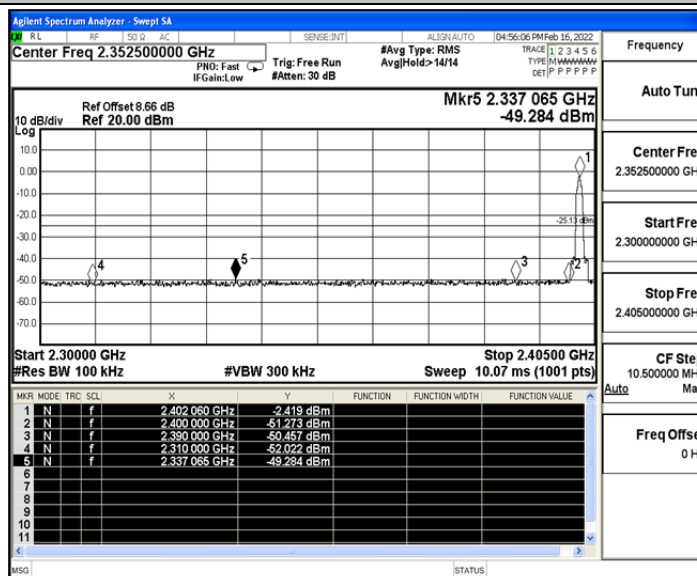
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

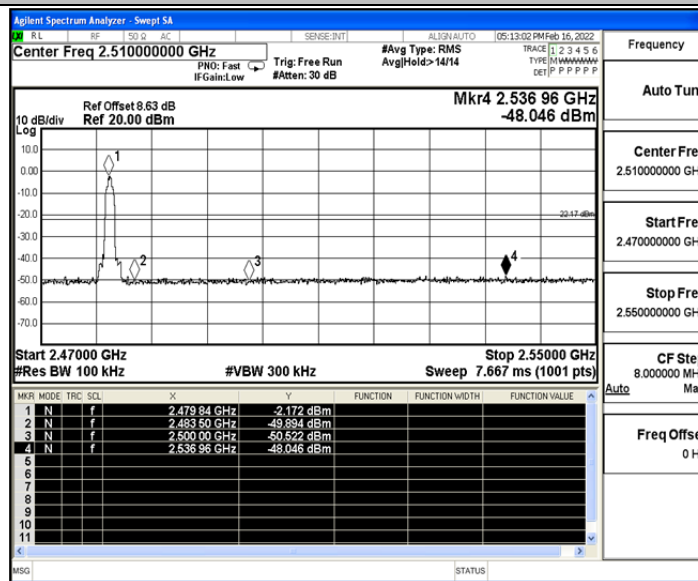


2DH5_Ant1_Low_2402

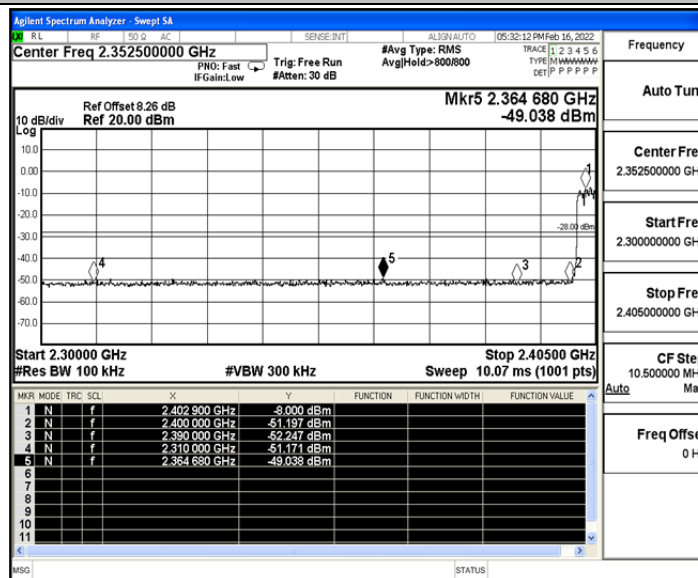




2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480