



Appendix A

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

Product Name: Bluetooth Speaker

Test Model: CF10

Environmental Conditions

Temperature:	23.7°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	 Mark Chen
Supervised by:	 Li Huan



A.1 20dB Emission Bandwidth

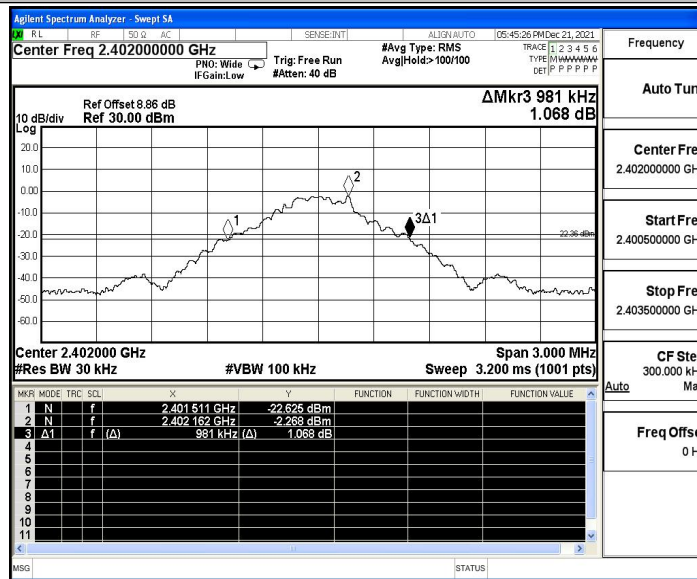
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.981	2401.511	2402.492	---	---
		2441	1.032	2440.463	2441.495	---	---
		2480	1.029	2479.463	2480.492	---	---
2DH5	Ant1	2402	1.293	2401.355	2402.648	---	---
		2441	1.293	2440.355	2441.648	---	---
		2480	1.293	2479.355	2480.648	---	---
3DH5	Ant1	2402	1.287	2401.346	2402.633	---	---
		2441	1.287	2440.346	2441.633	---	---
		2480	1.308	2479.340	2480.648	---	---

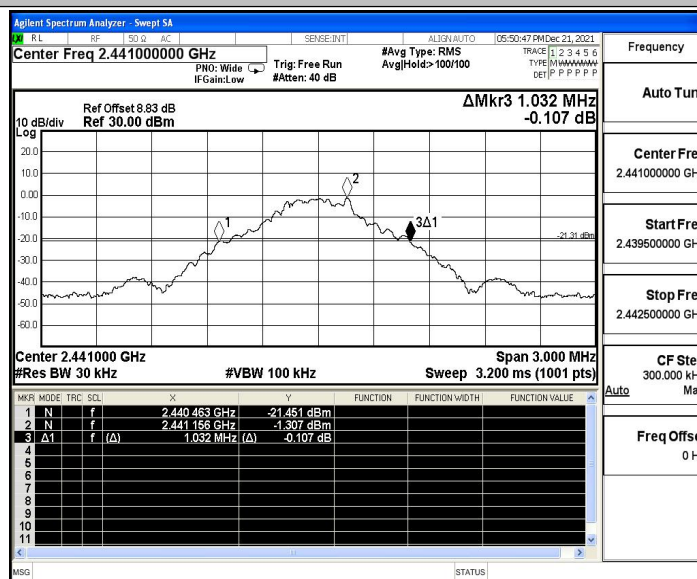


Test Graphs

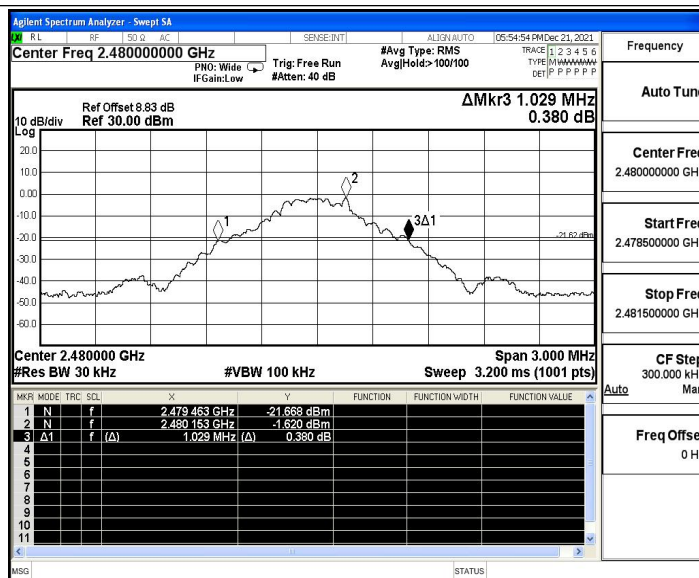
DH5_Ant1_2402



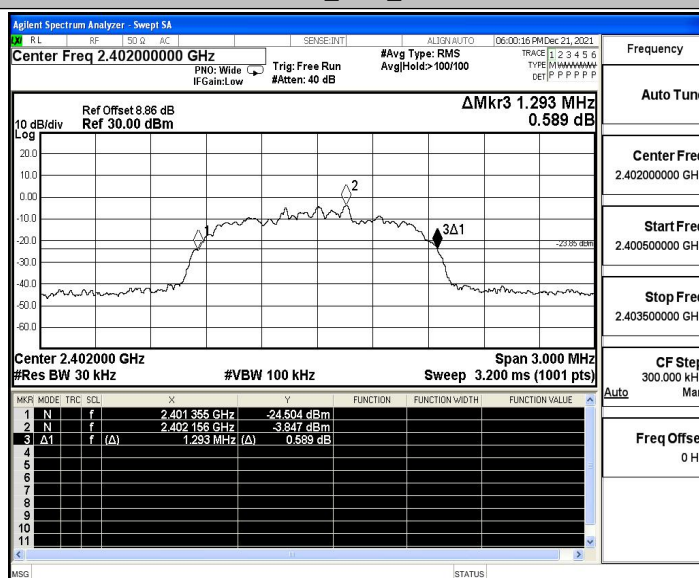
DH5_Ant1_2441



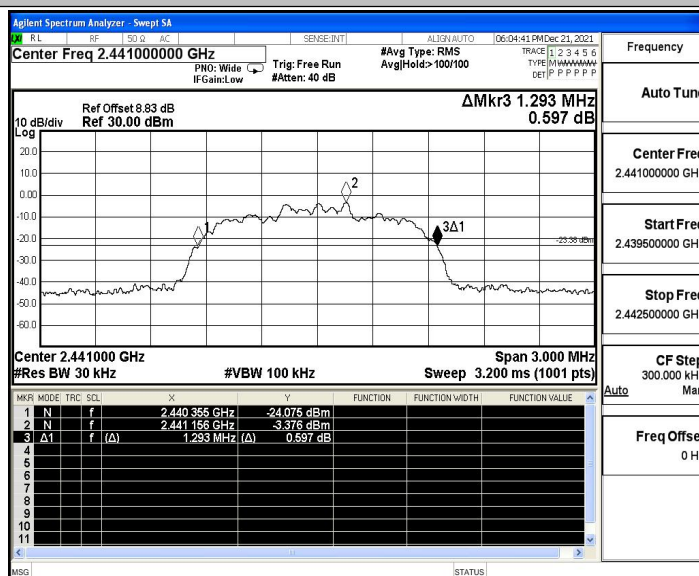
DH5_Ant1_2480



2DH5_Ant1_2402

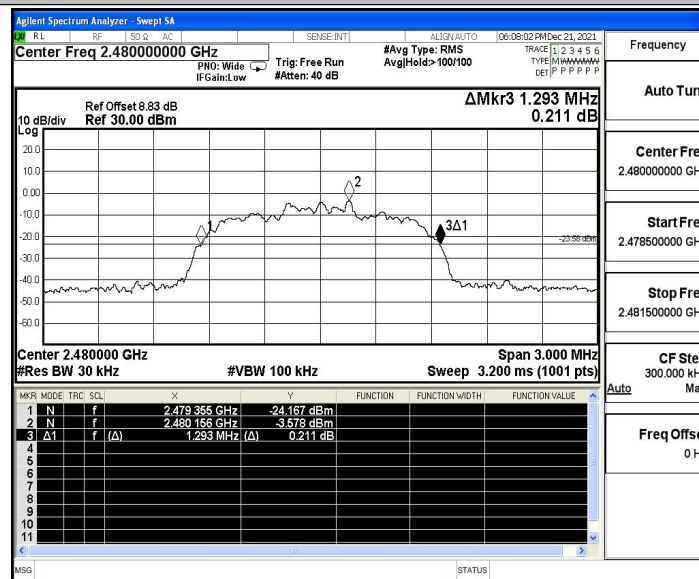


2DH5_Ant1_2441

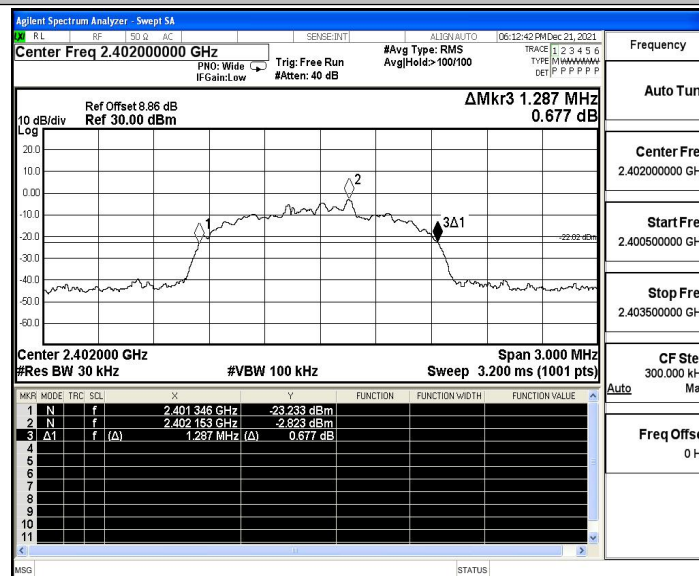




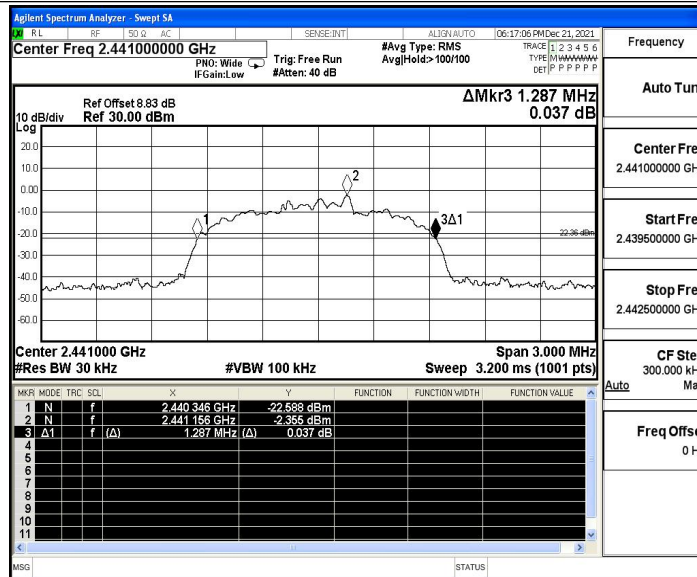
2DH5_Ant1_2480



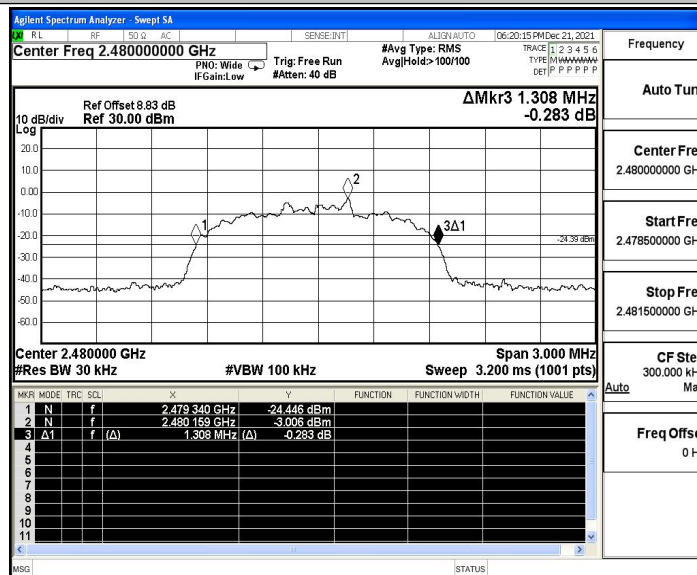
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

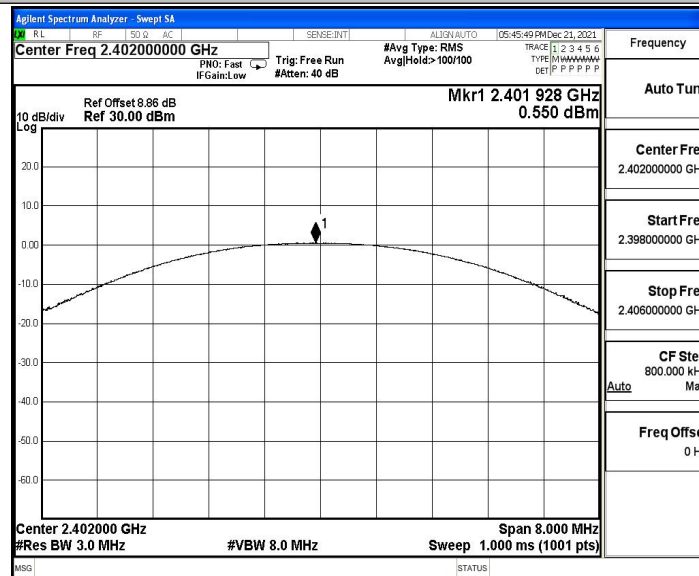
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.55	≤ 20.97	PASS
		2441	1.42	≤ 20.97	PASS
		2480	1.09	≤ 20.97	PASS
2DH5	Ant1	2402	0.57	≤ 20.97	PASS
		2441	1.13	≤ 20.97	PASS
		2480	0.78	≤ 20.97	PASS
3DH5	Ant1	2402	0.56	≤ 20.97	PASS
		2441	1.12	≤ 20.97	PASS
		2480	0.86	≤ 20.97	PASS

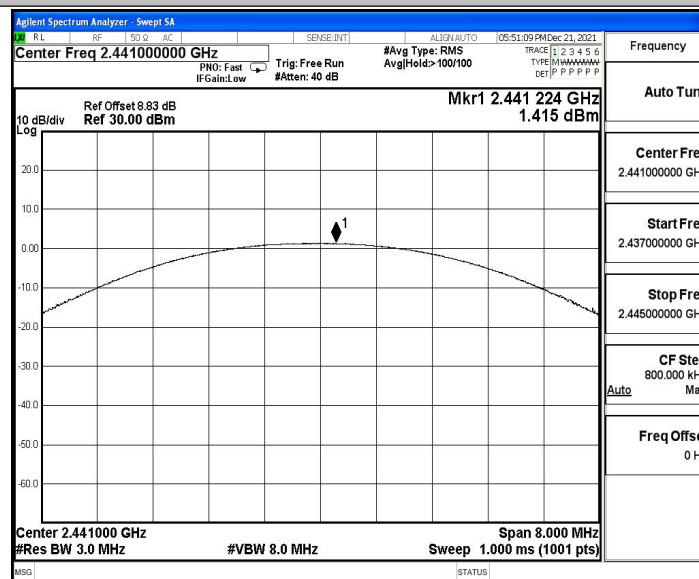


Test Graphs

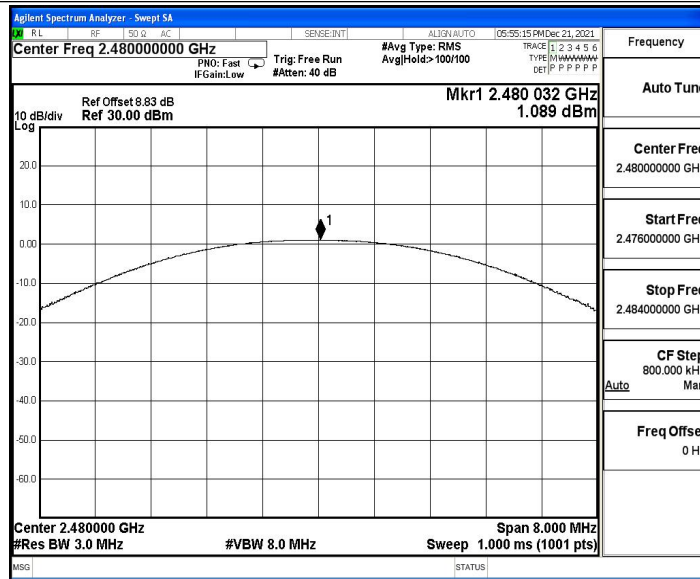
DH5_Ant1_2402



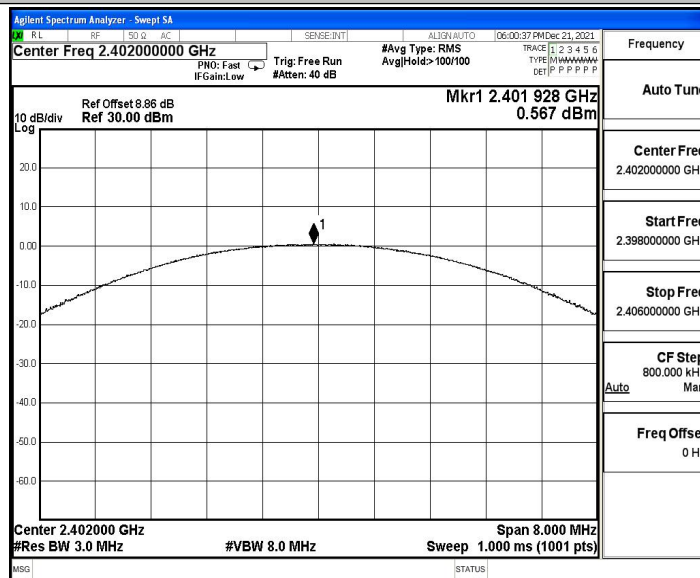
DH5_Ant1_2441



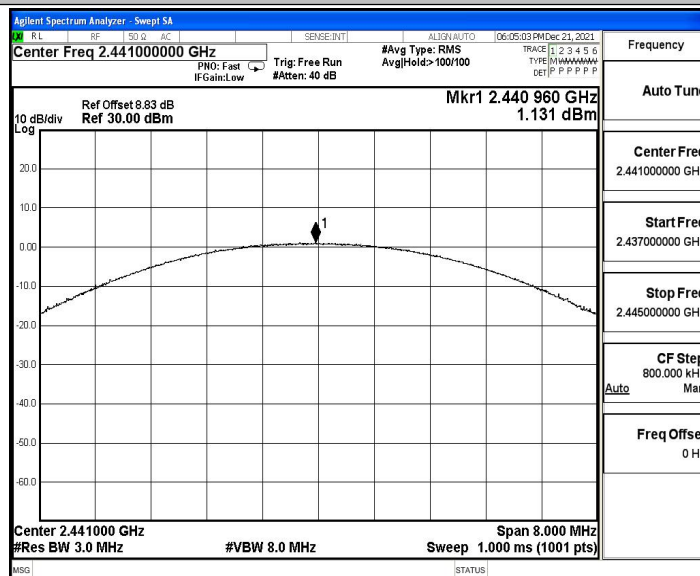
DH5_Ant1_2480



2DH5_Ant1_2402

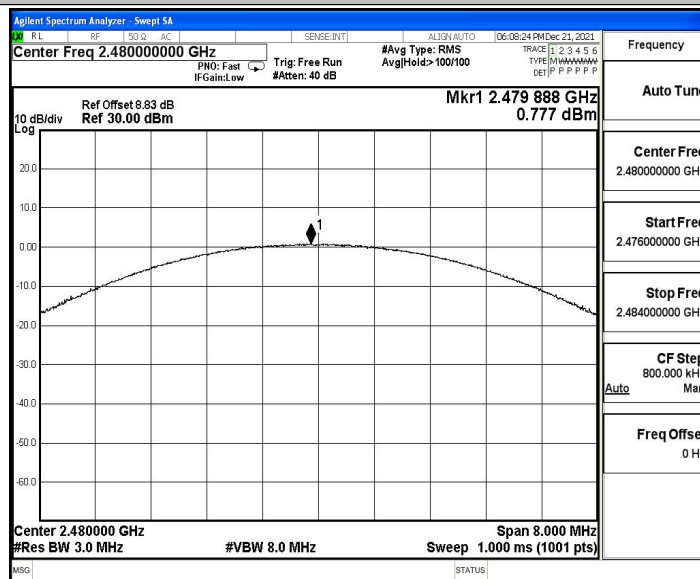


2DH5_Ant1_2441

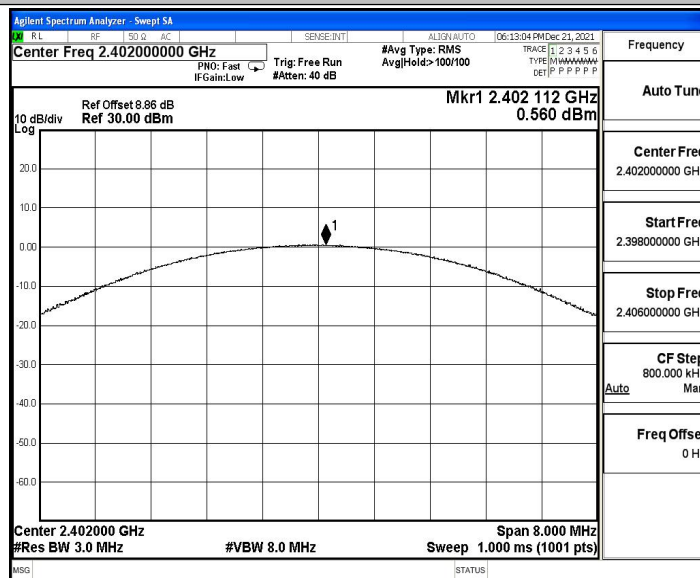




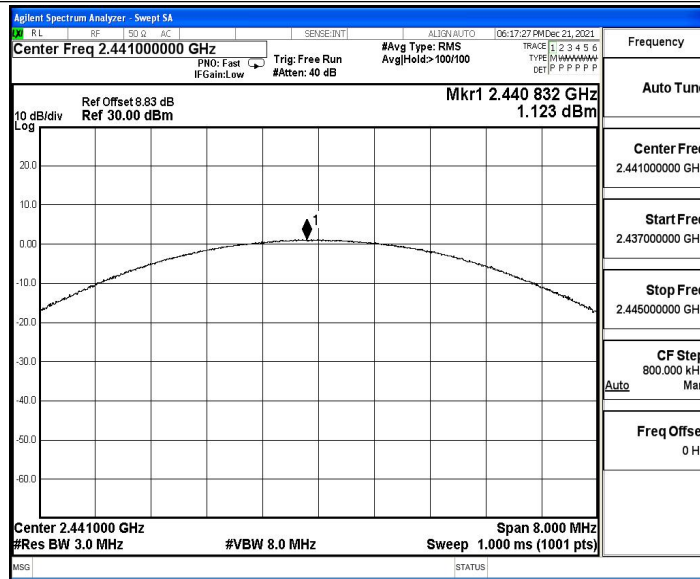
2DH5_Ant1_2480



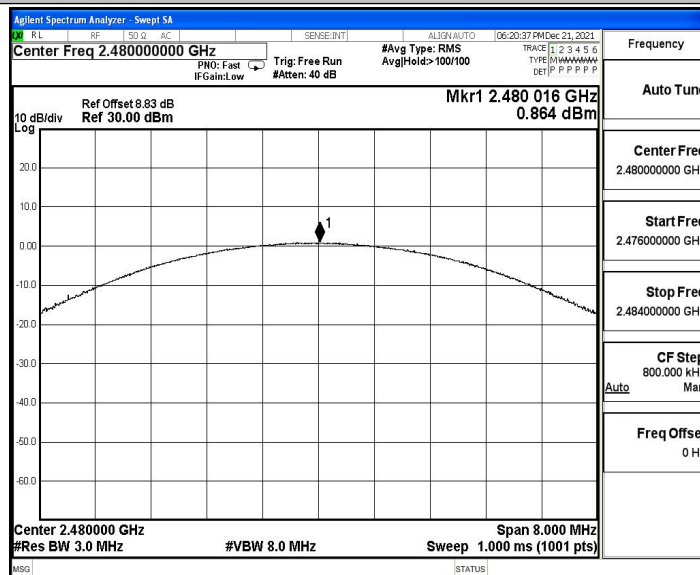
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

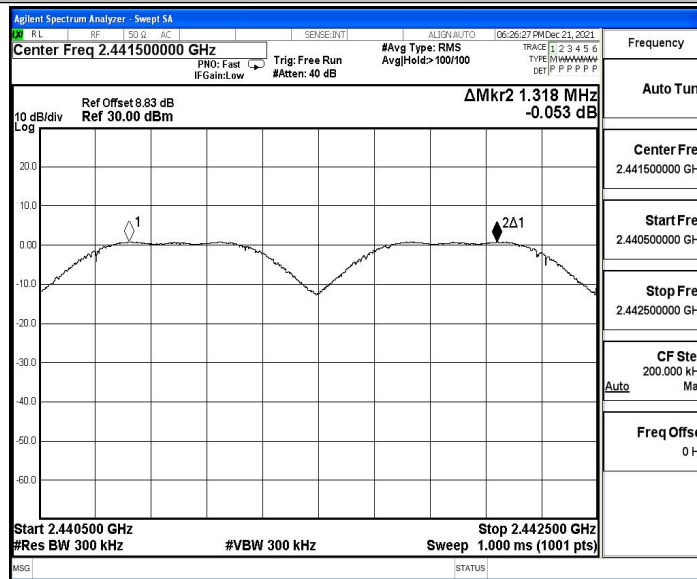
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.318	≥ 0.879	PASS
2DH5	Ant1	Hop	0.978	≥ 0.862	PASS
3DH5	Ant1	Hop	0.98	≥ 0.872	PASS

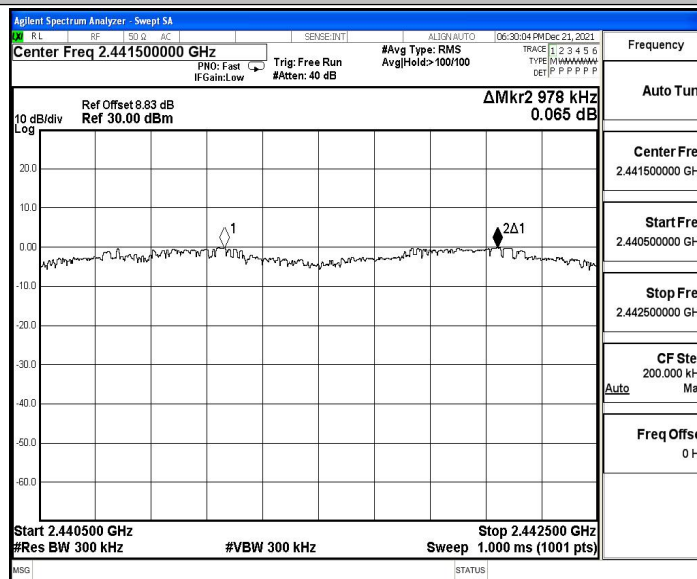


Test Graphs

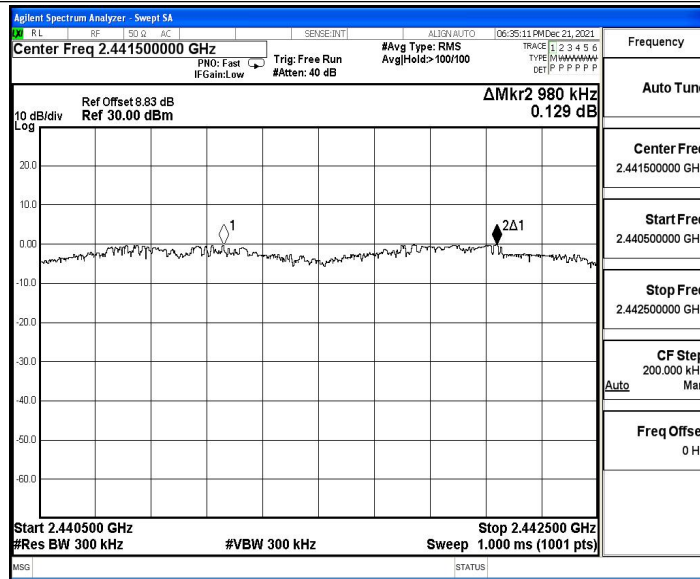
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

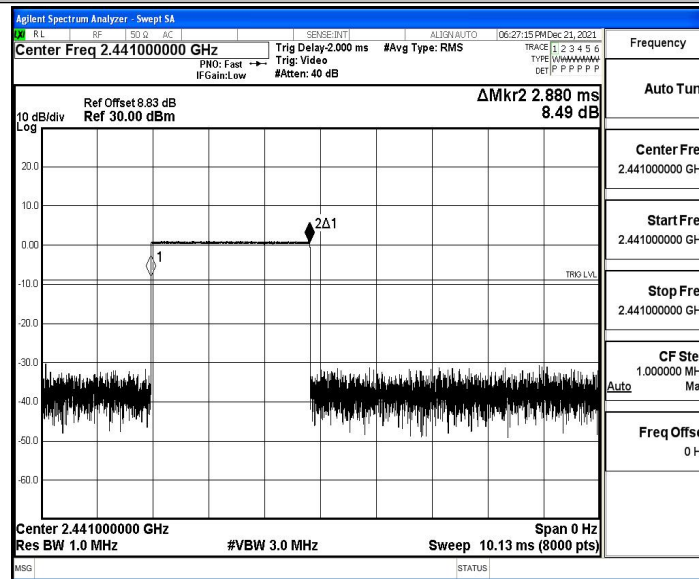
Test Result

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

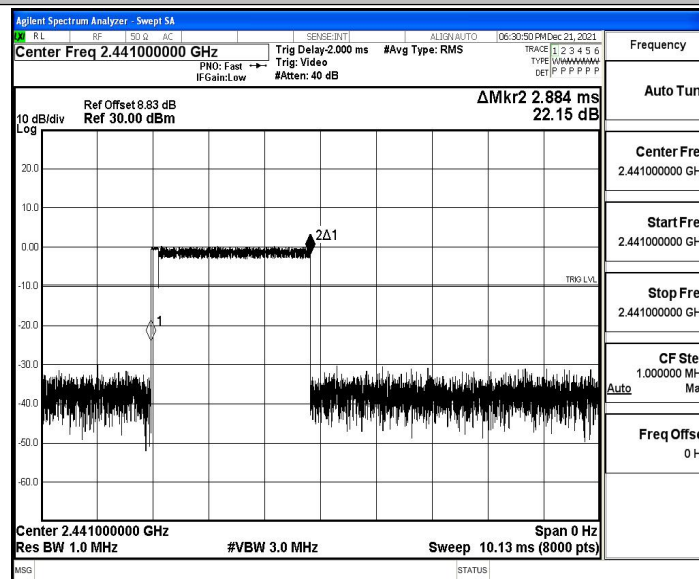


Test Graphs

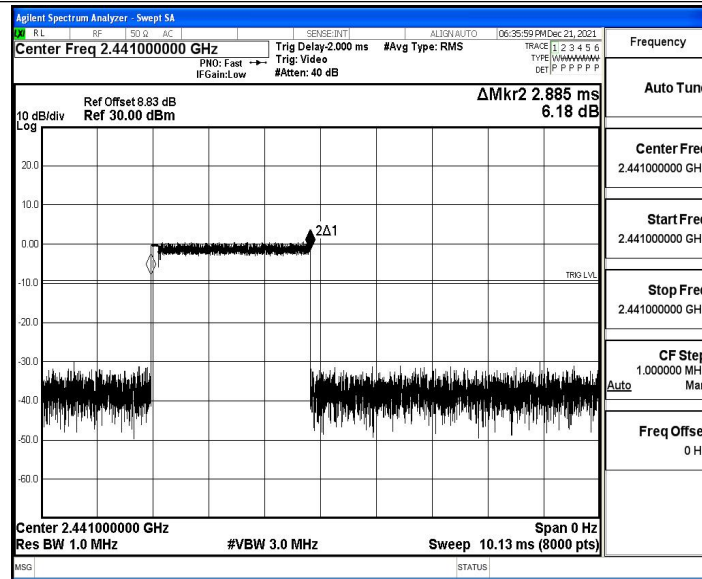
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.5 Number of hopping channels

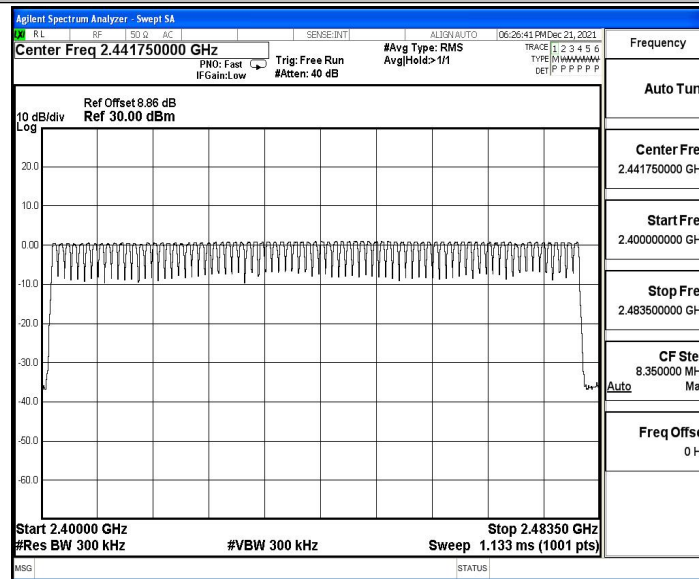
Test Result

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

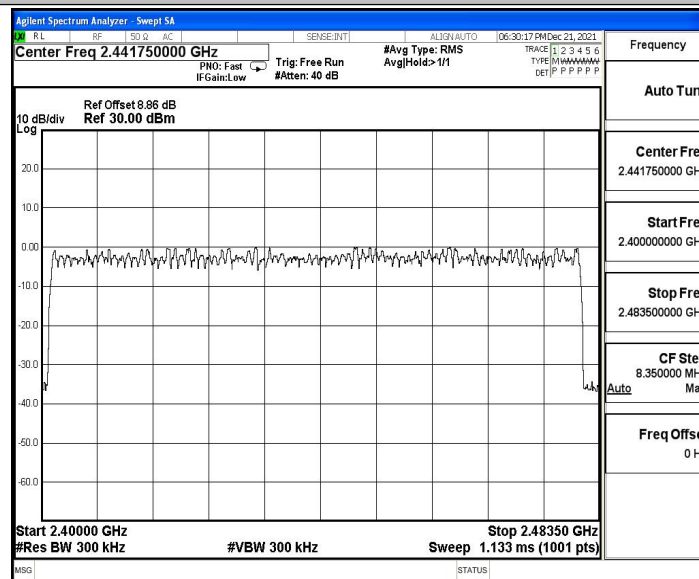


Test Graphs

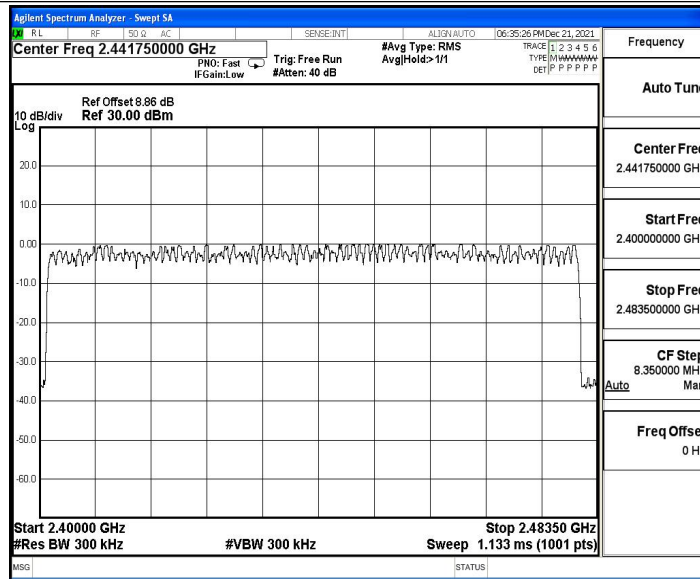
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

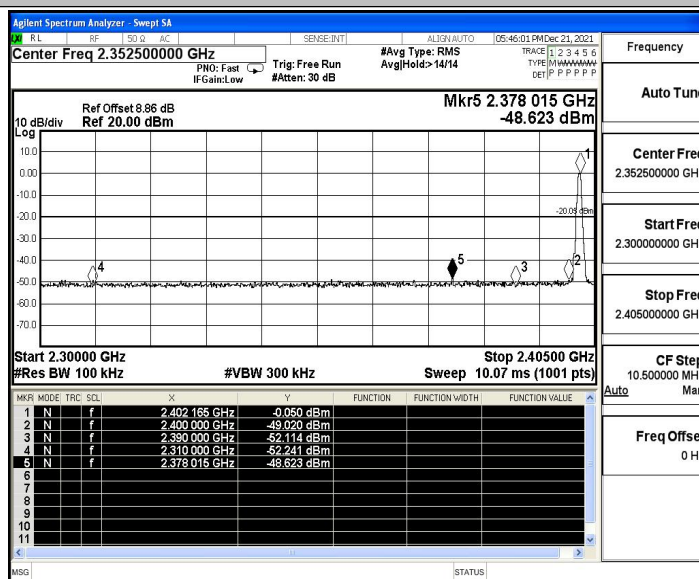
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.05	-48.62	≤ -20.05	PASS
		High	2480	0.39	-47.88	≤ -19.61	PASS
		Low	Hop_2402	-0.44	-49.17	≤ -20.44	PASS
		High	Hop_2480	0.05	-47.4	≤ -19.95	PASS
2DH5	Ant1	Low	2402	-4.24	-48.39	≤ -24.24	PASS
		High	2480	-0.49	-47.94	≤ -20.49	PASS
		Low	Hop_2402	-5.20	-49.16	≤ -25.2	PASS
		High	Hop_2480	-1.60	-47.24	≤ -21.6	PASS
3DH5	Ant1	Low	2402	-0.70	-46.76	≤ -20.7	PASS
		High	2480	-0.50	-47.99	≤ -20.5	PASS
		Low	Hop_2402	-4.52	-49.11	≤ -24.52	PASS
		High	Hop_2480	-0.66	-47.87	≤ -20.66	PASS

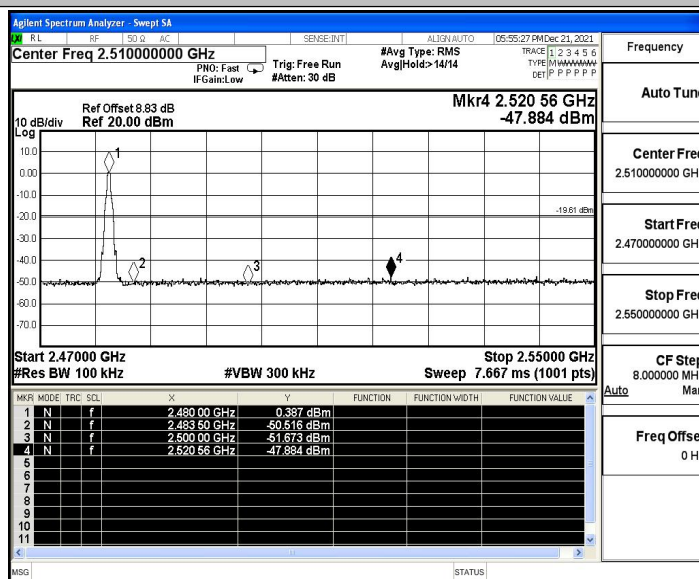


Test Graphs

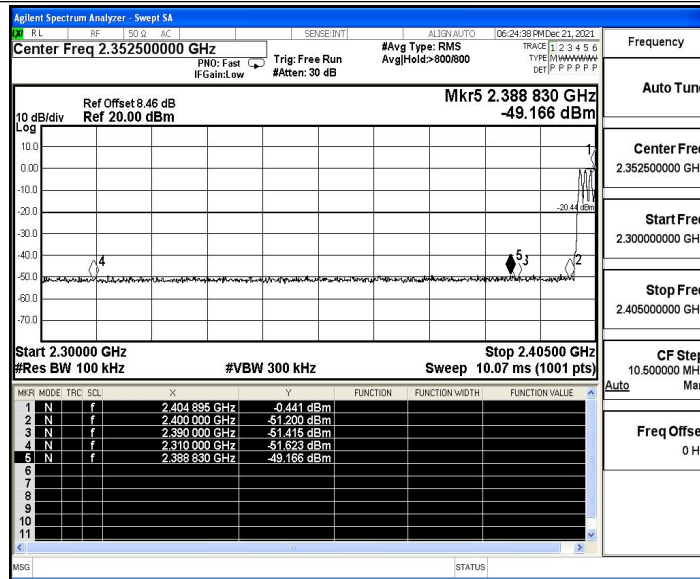
DH5_Ant1_Low_2402



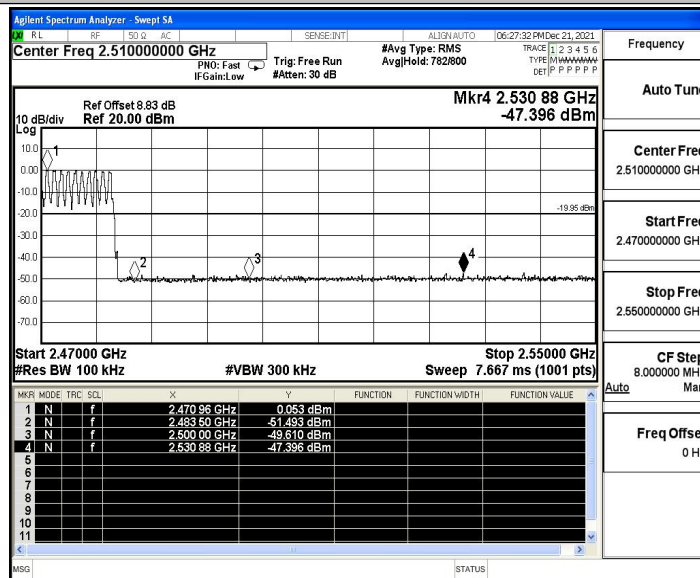
DH5_Ant1_High_2480



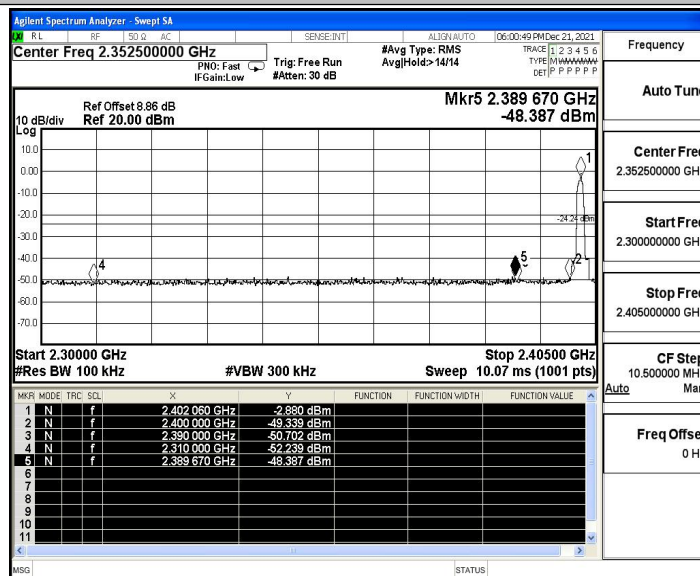
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

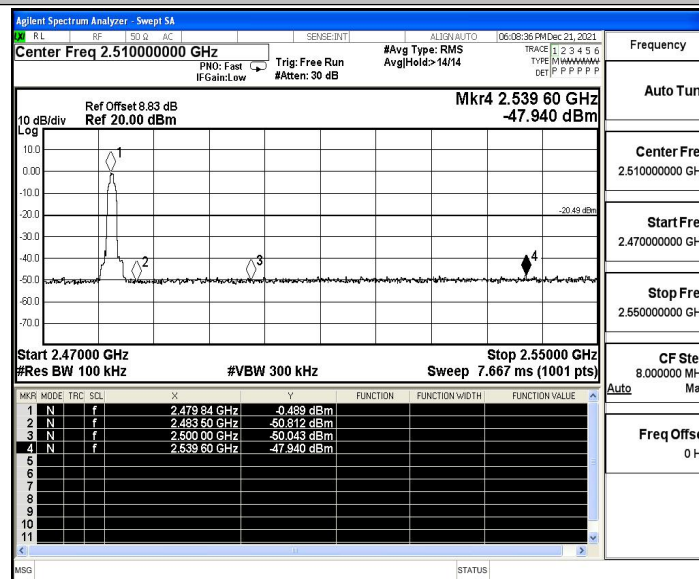


2DH5_Ant1_Low_2402

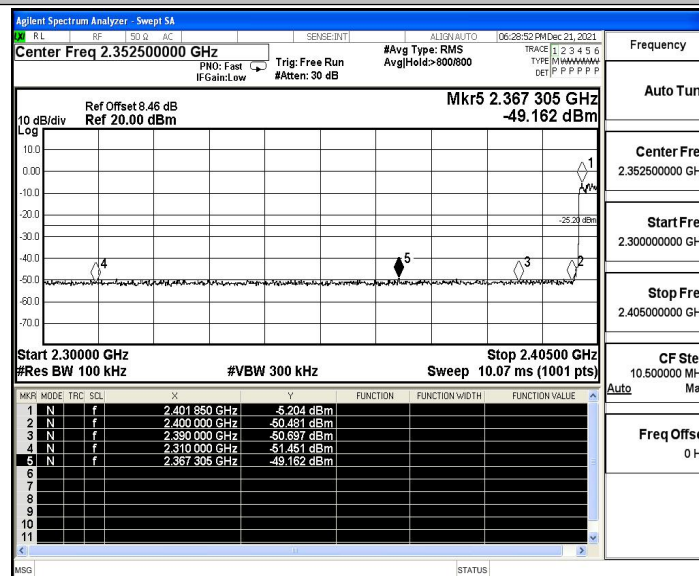




2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480