



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Digital Modeling Amplifier for Gutiar Vocal



Test Model: GX-5

Environmental Conditions

Temperature:	21.1° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

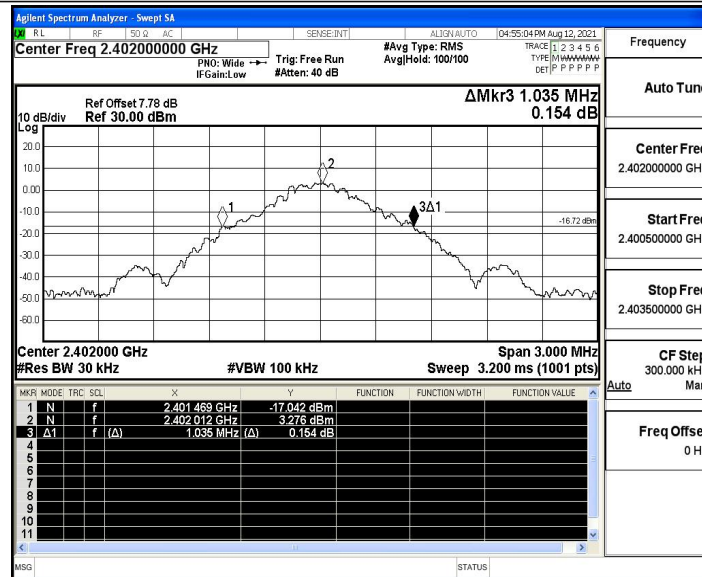
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.035	2401.469	2402.504	---	PASS
		2441	1.023	2440.469	2441.492	---	PASS
		2480	0.969	2479.529	2480.498	---	PASS
2DH5	Ant1	2402	1.293	2401.364	2402.657	---	PASS
		2441	1.323	2440.340	2441.663	---	PASS
		2480	1.323	2479.340	2480.663	---	PASS
3DH5	Ant1	2402	1.308	2401.349	2402.657	---	PASS
		2441	1.314	2440.349	2441.663	---	PASS
		2480	1.320	2479.346	2480.666	---	PASS

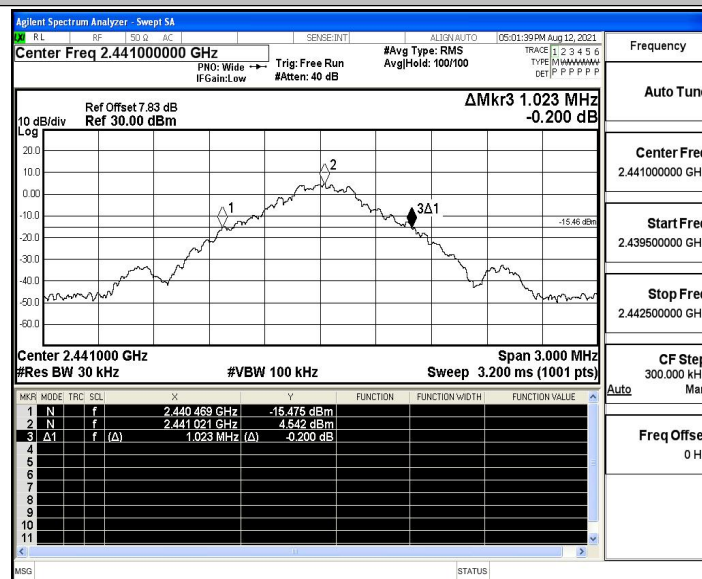


Test Graphs

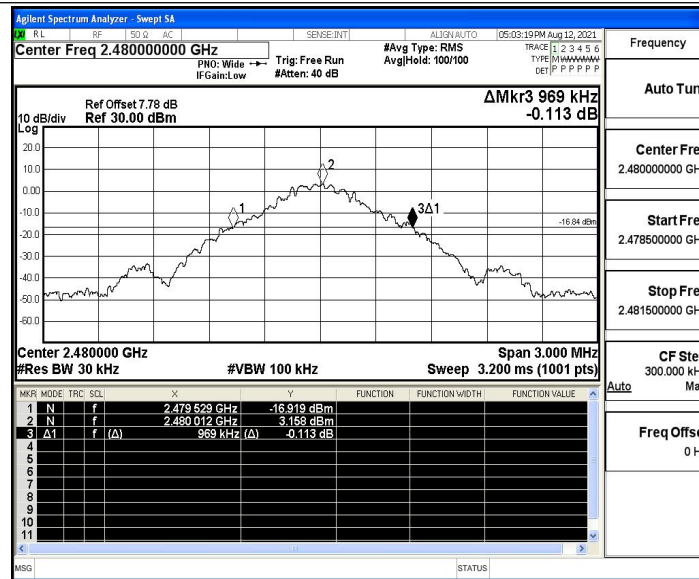
DH5_Ant1_2402



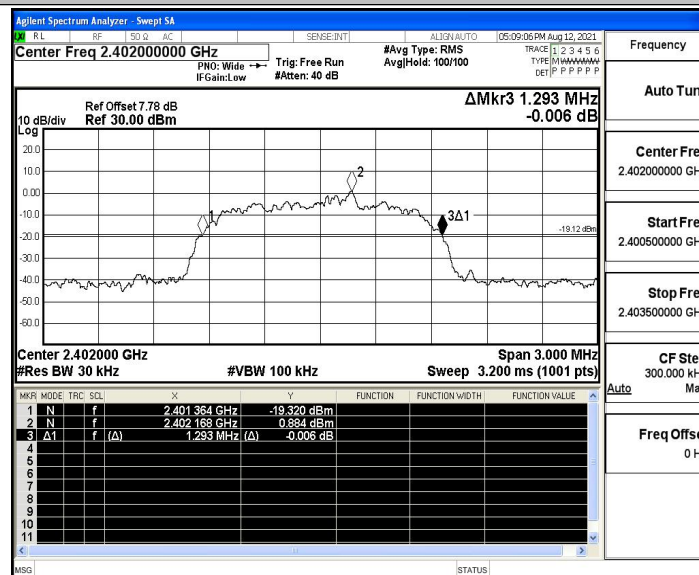
DH5_Ant1_2441



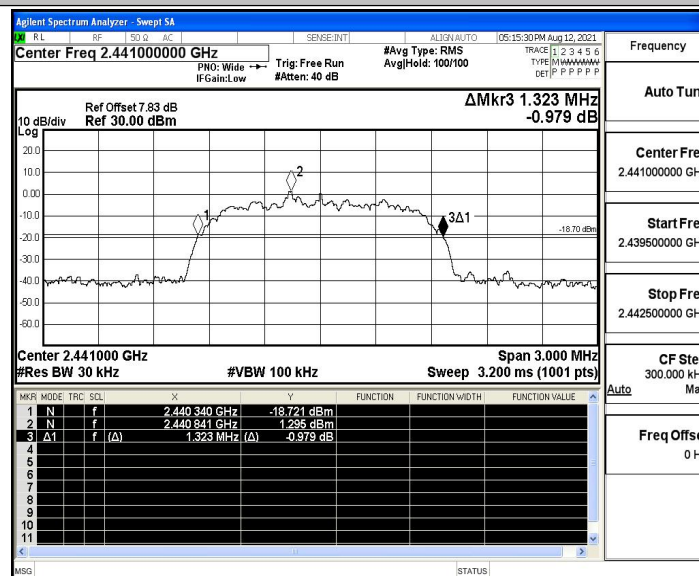
DH5_Ant1_2480



2DH5_Ant1_2402

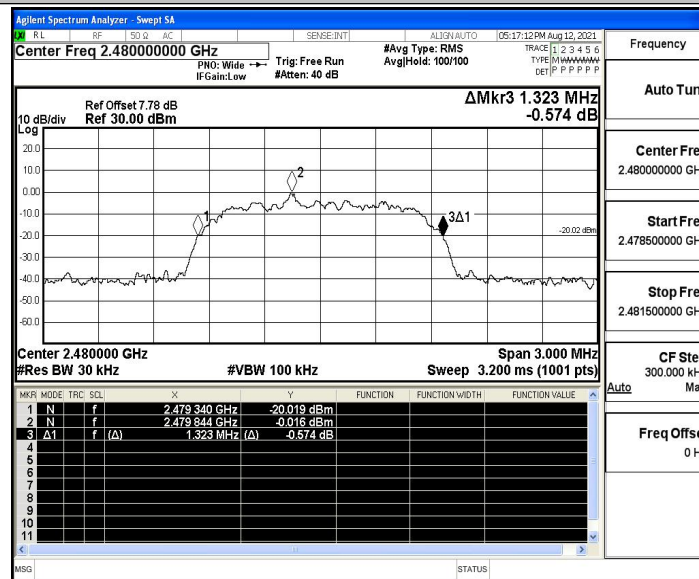


2DH5_Ant1_2441

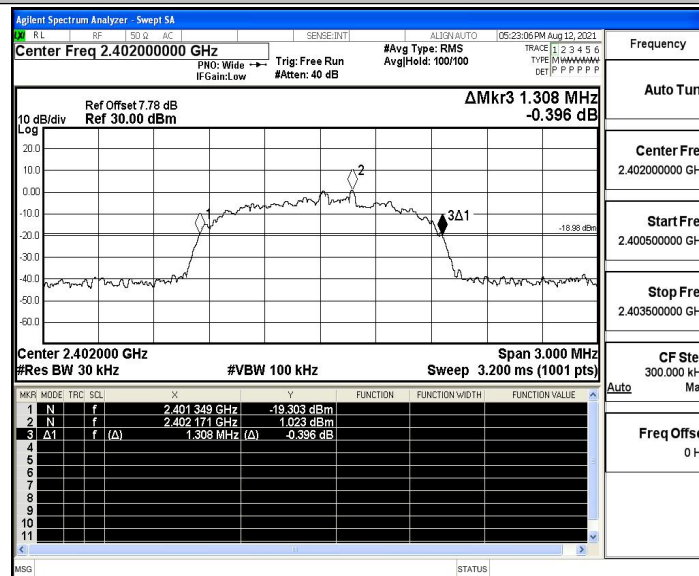




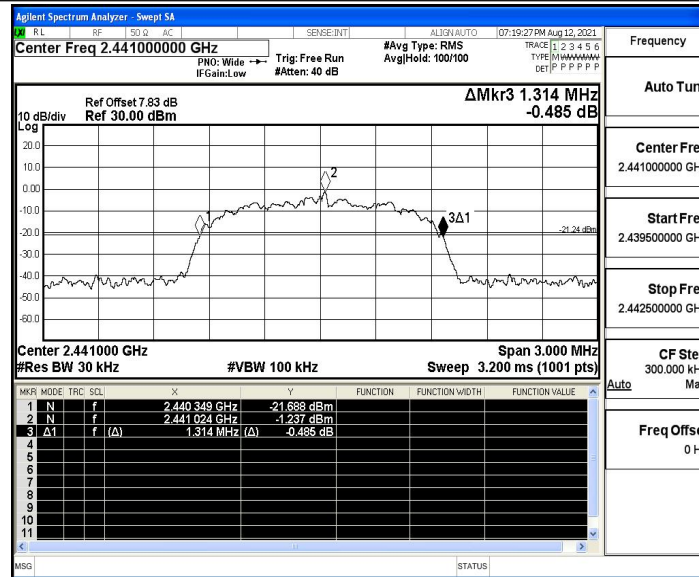
2DH5_Ant1_2480



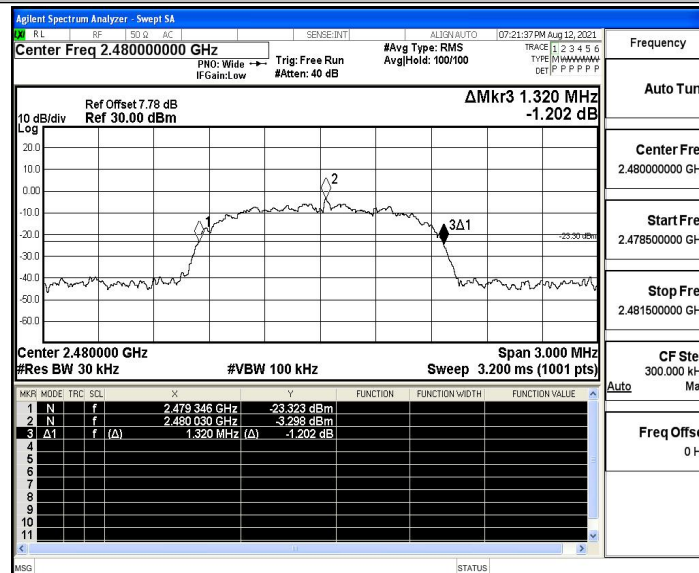
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

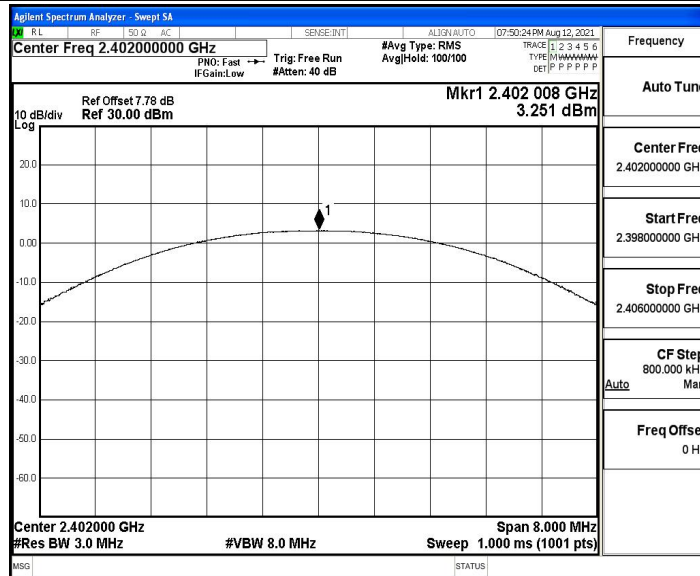
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	3.25	≤ 30	PASS
		2441	4.52	≤ 30	PASS
		2480	3.14	≤ 30	PASS
2DH5	Ant1	2402	2.24	≤ 20.97	PASS
		2441	3.58	≤ 20.97	PASS
		2480	2.28	≤ 20.97	PASS
3DH5	Ant1	2402	2.48	≤ 20.97	PASS
		2441	3.77	≤ 20.97	PASS
		2480	2.52	≤ 20.97	PASS

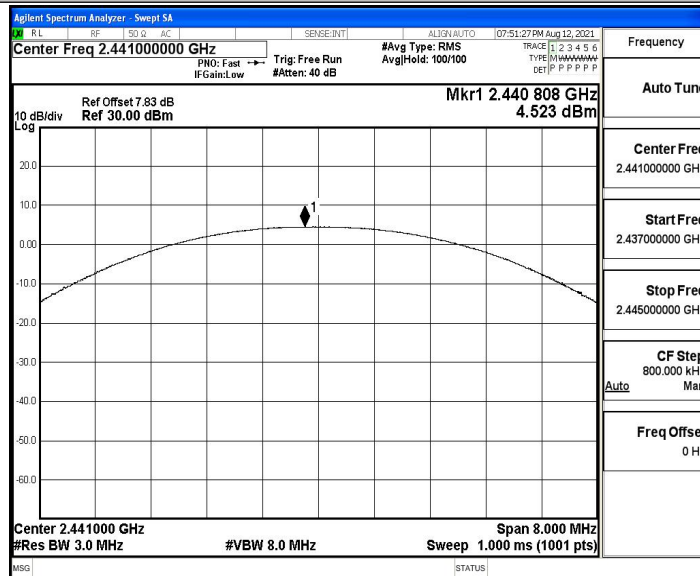


Test Graphs

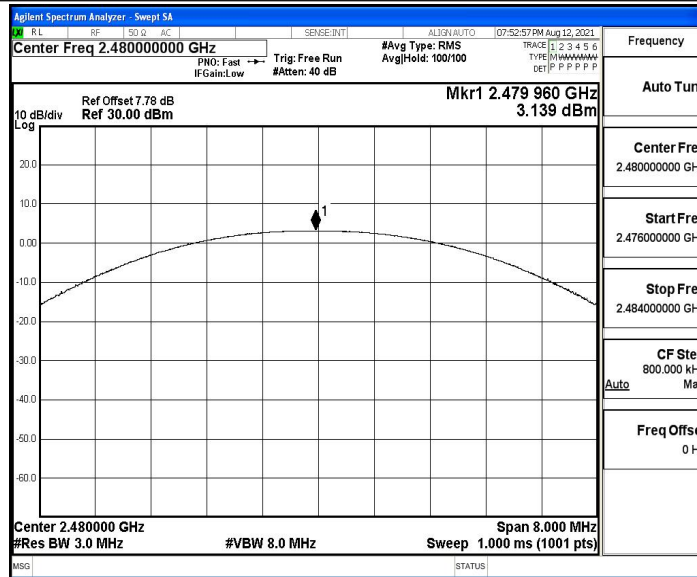
DH5_Ant1_2402



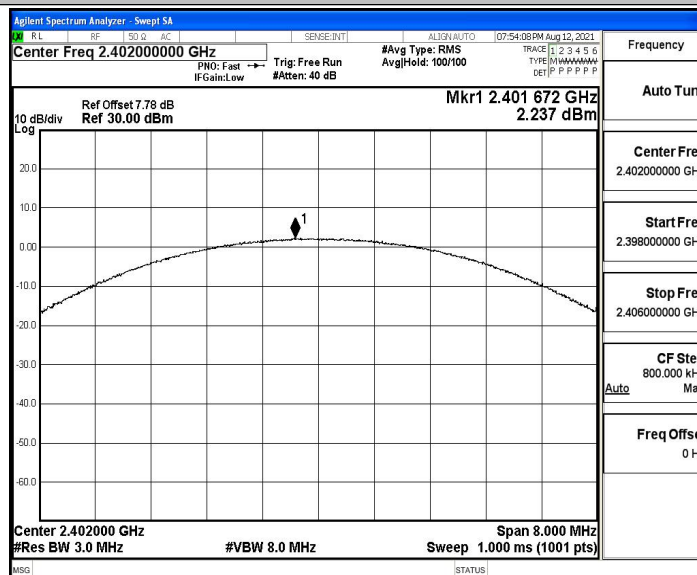
DH5_Ant1_2441



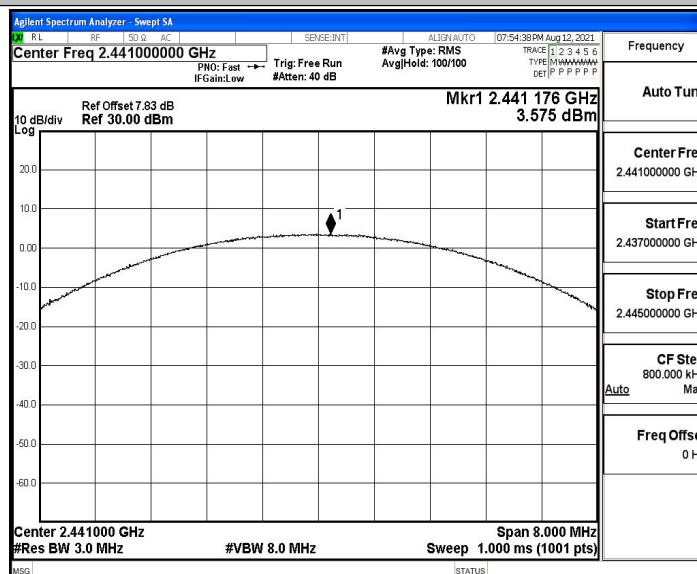
DH5_Ant1_2480



2DH5_Ant1_2402

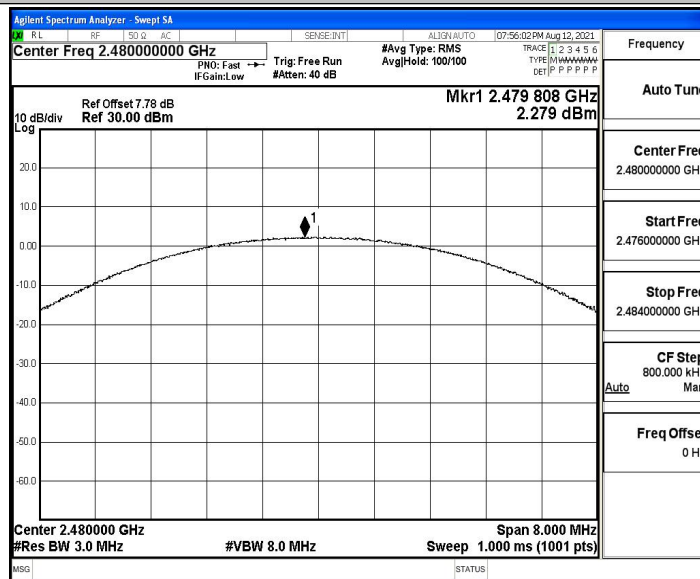


2DH5_Ant1_2441

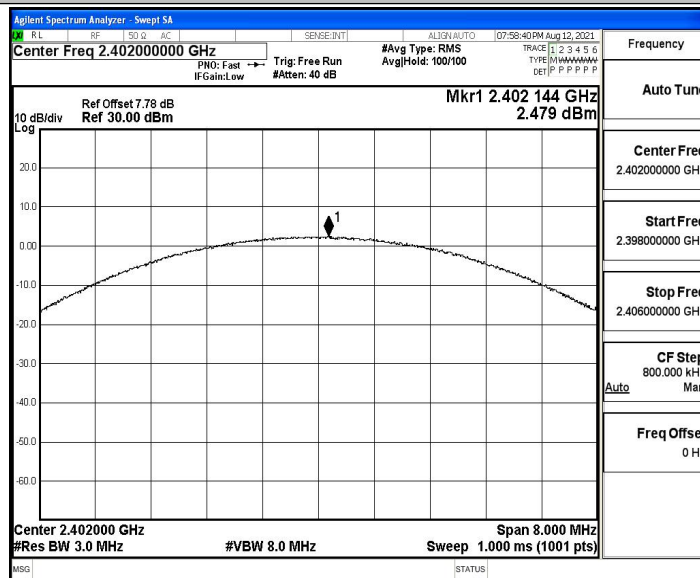




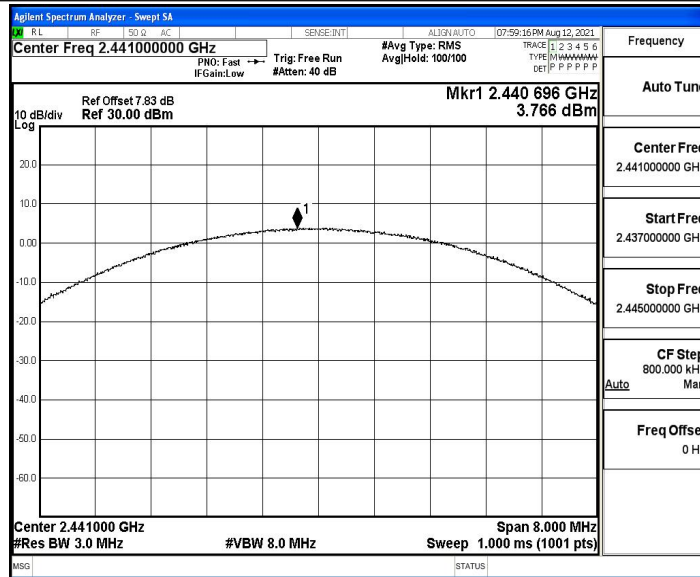
2DH5_Ant1_2480



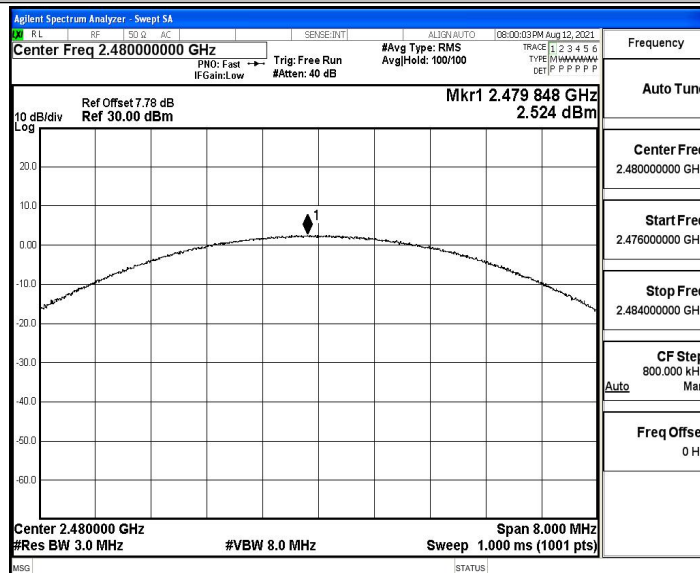
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

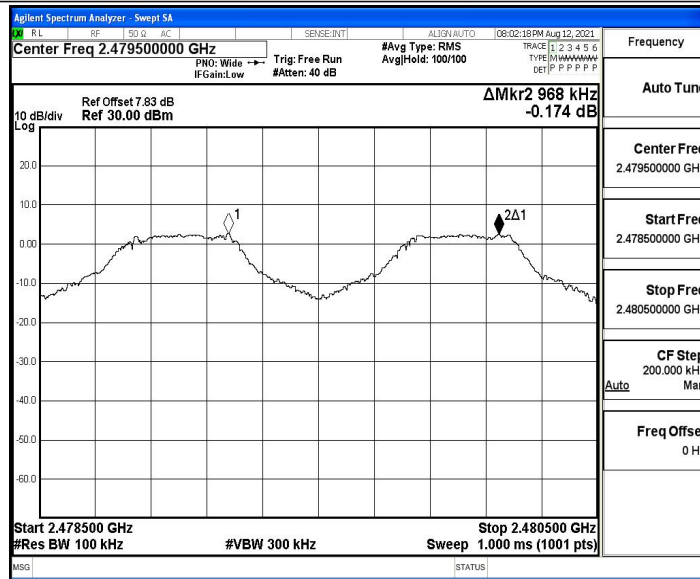
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.968	≥ 0.690	PASS
2DH5	Ant1	Hop	1.136	≥ 0.882	PASS
3DH5	Ant1	Hop	1.058	≥ 0.880	PASS

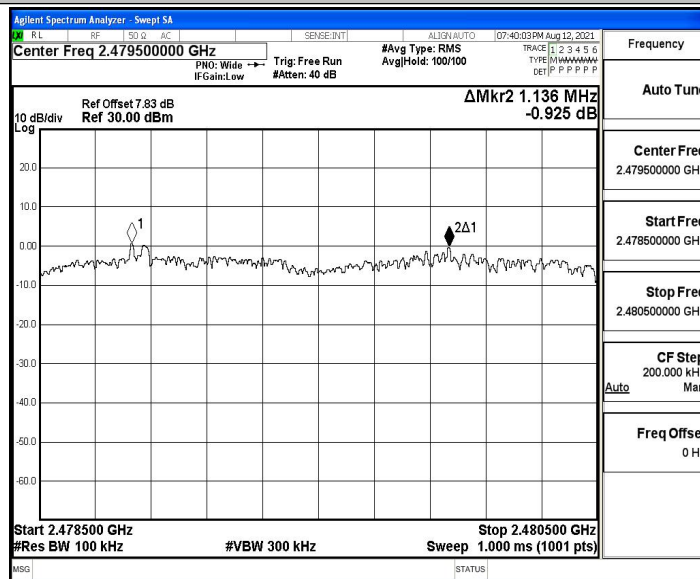


Test Graphs

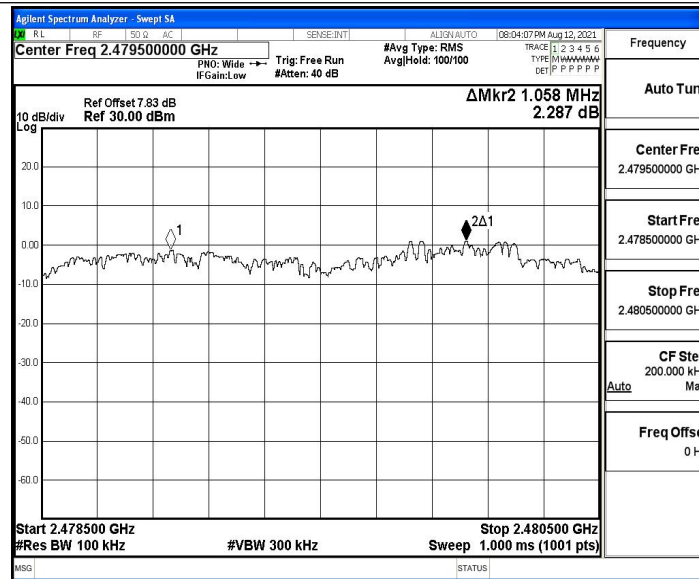
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

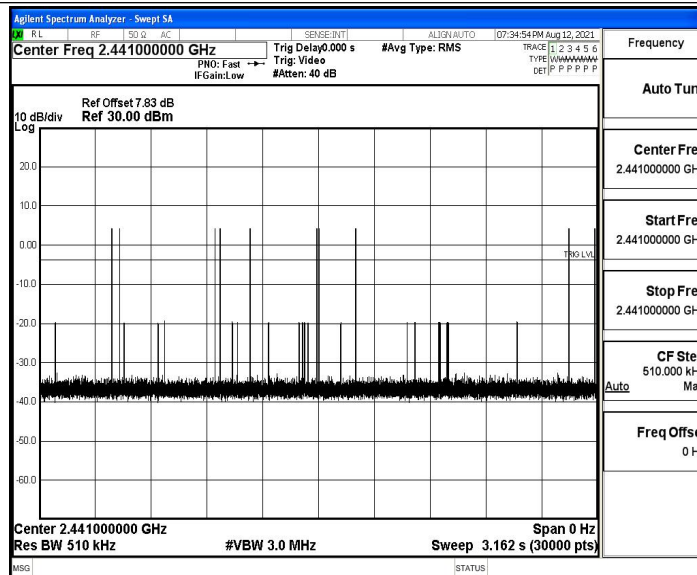
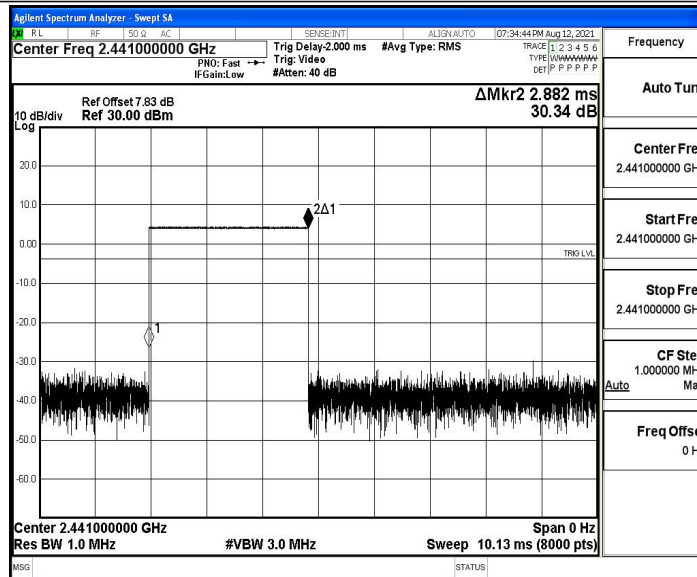
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.89	130	0.375	≤0.4	PASS

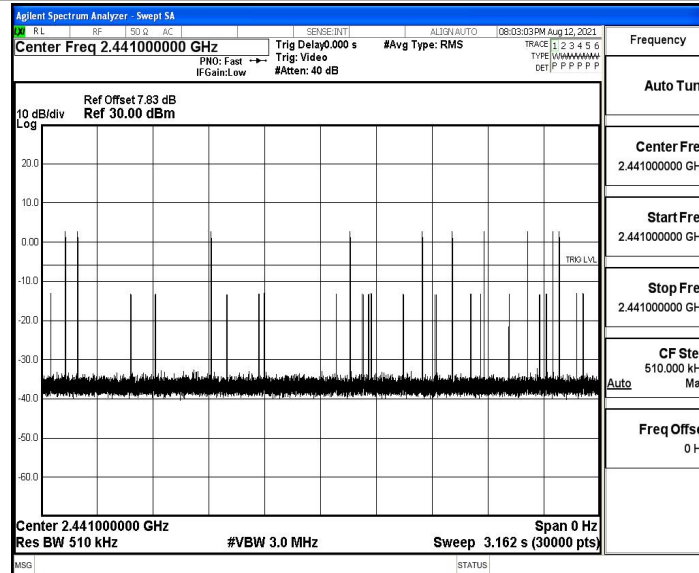
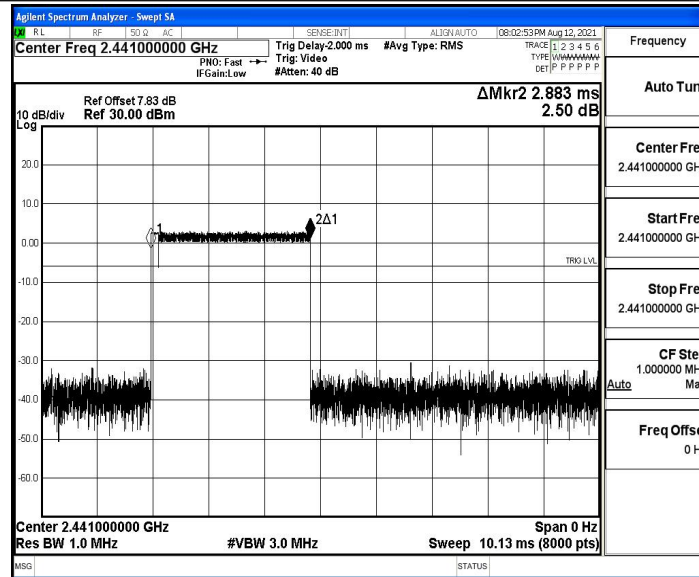


Test Graphs

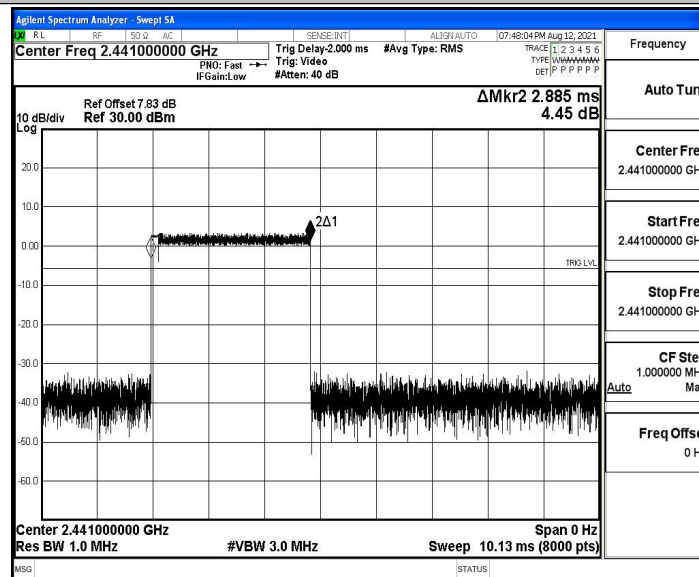
DH5_Ant1_Hop

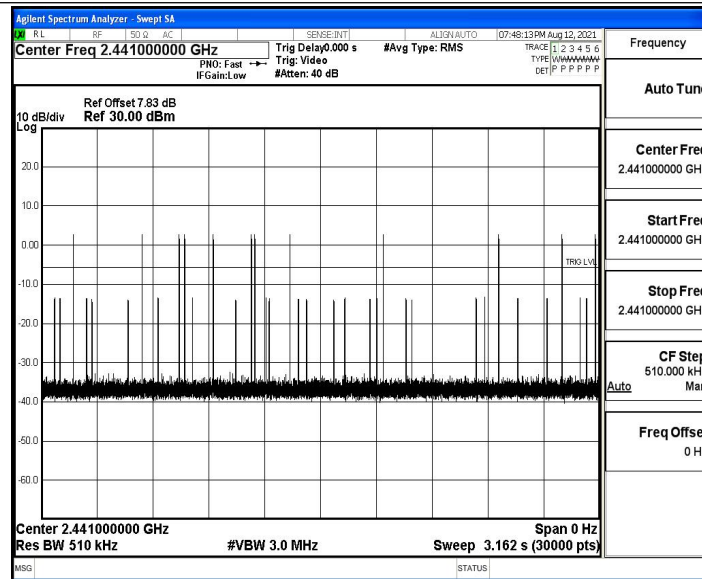


2DH5_Ant1_Hop



3DH5_Ant1_Hop







A.5 Number of hopping channels

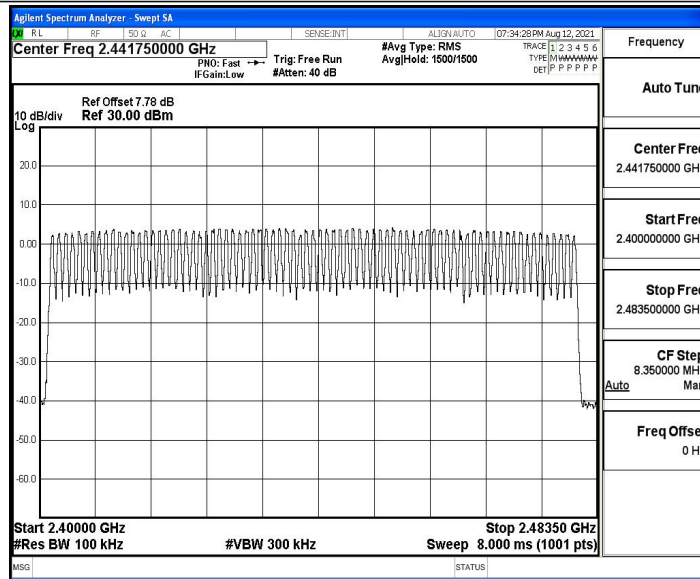
Test Result

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

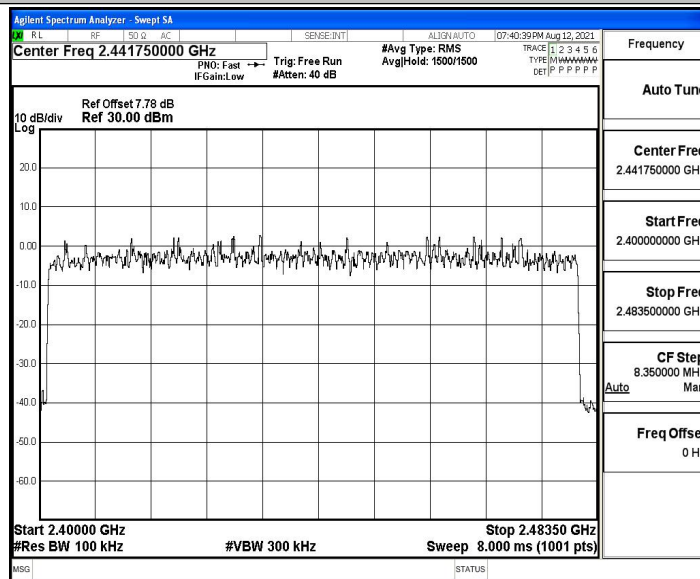


Test Graphs

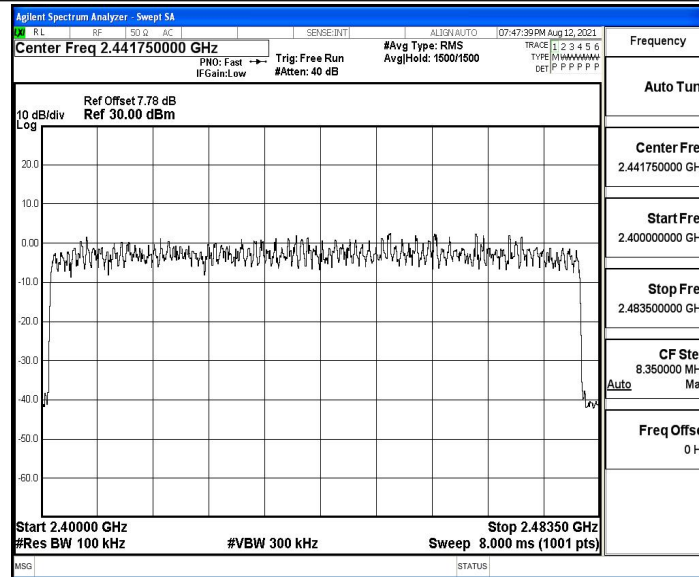
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

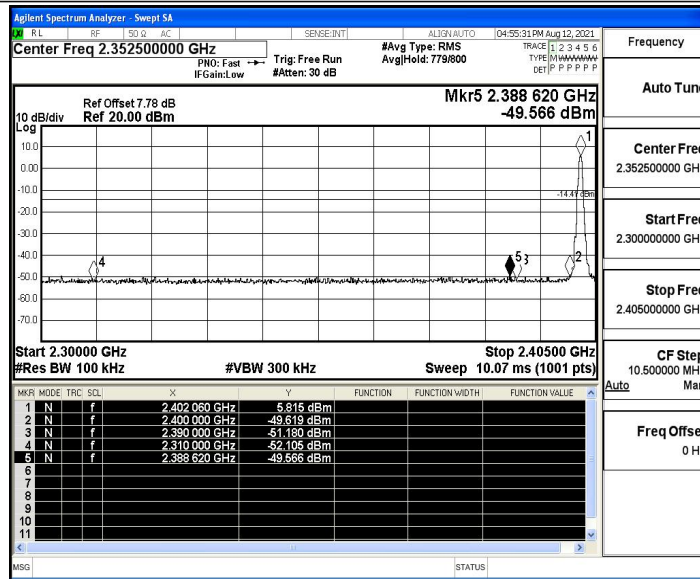
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.59	-49.57	≤ -14.41	PASS
		High	2480	5.68	-48.54	≤ -14.32	PASS
		Low	Hop_2402	2.88	-49.5	≤ -17.12	PASS
		High	Hop_2480	2.86	-48.5	≤ -17.14	PASS
2DH5	Ant1	Low	2402	4.09	-48.26	≤ -15.92	PASS
		High	2480	4.18	-47.95	≤ -15.82	PASS
		Low	Hop_2402	-0.46	-49.62	≤ -20.46	PASS
		High	Hop_2480	2.02	-48.86	≤ -17.98	PASS
3DH5	Ant1	Low	2402	4.24	-49.26	≤ -15.76	PASS
		High	2480	1.47	-48.74	≤ -18.53	PASS
		Low	Hop_2402	0.99	-50.04	≤ -19.01	PASS
		High	Hop_2480	-0.74	-48.36	≤ -20.74	PASS

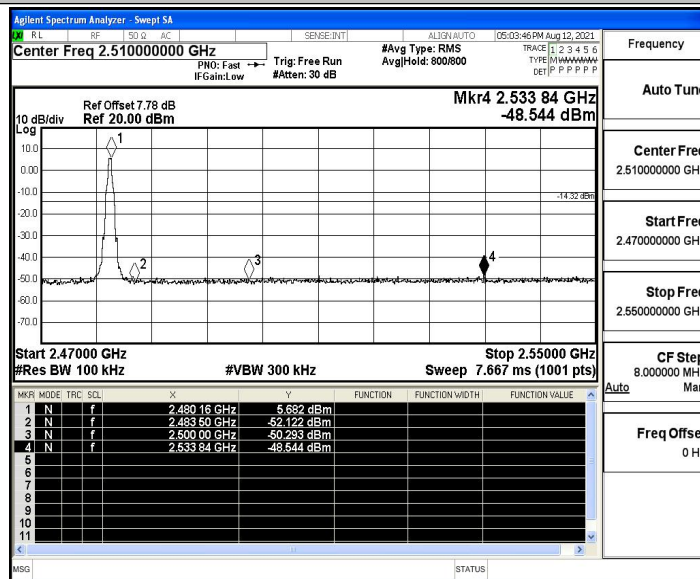


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402