

Appendix A

RF Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: SMARTPHONE

Trade Mark: IPRO

Test Model: S601

FCC ID: PQ4IPROS601

Environmental Conditions

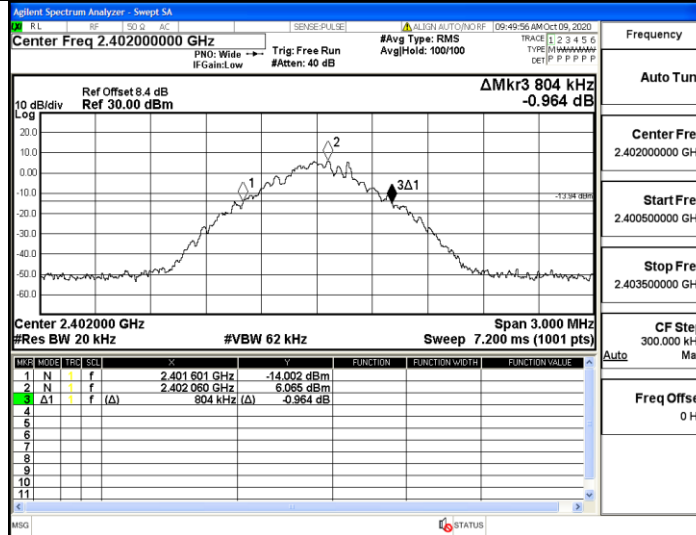
Temperature:	22.8° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

A.1 20 dB Bandwidth

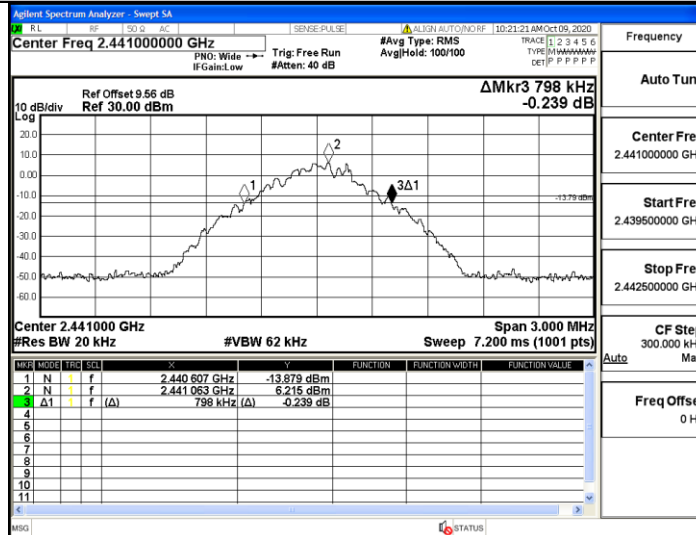
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.804	2401.601	2402.405	---	PASS
		2441	0.798	2440.607	2441.405	---	PASS
		2480	0.804	2479.601	2480.405	---	PASS
2DH5	Ant1	2402	1.272	2401.376	2402.648	---	PASS
		2441	1.323	2440.340	2441.663	---	PASS
		2480	1.320	2479.343	2480.663	---	PASS
3DH5	Ant1	2402	1.248	2401.367	2402.615	---	PASS
		2441	1.254	2440.364	2441.618	---	PASS
		2480	1.278	2479.355	2480.633	---	PASS

Test Graph

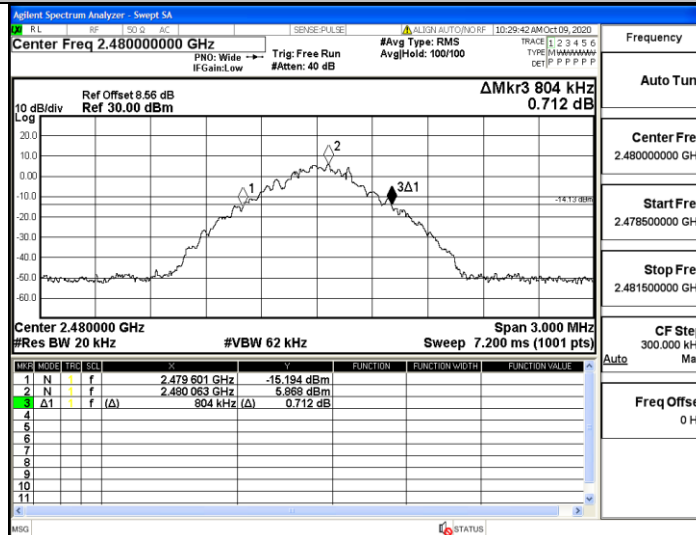
DH5_Ant1_2402



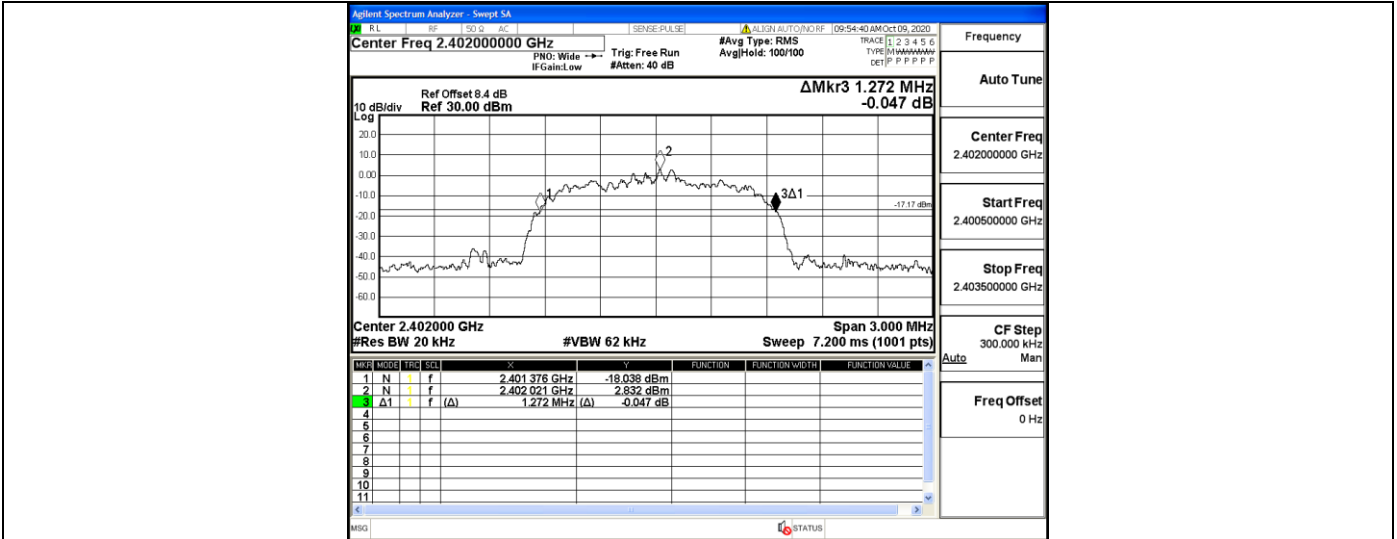
DH5_Ant1_2441



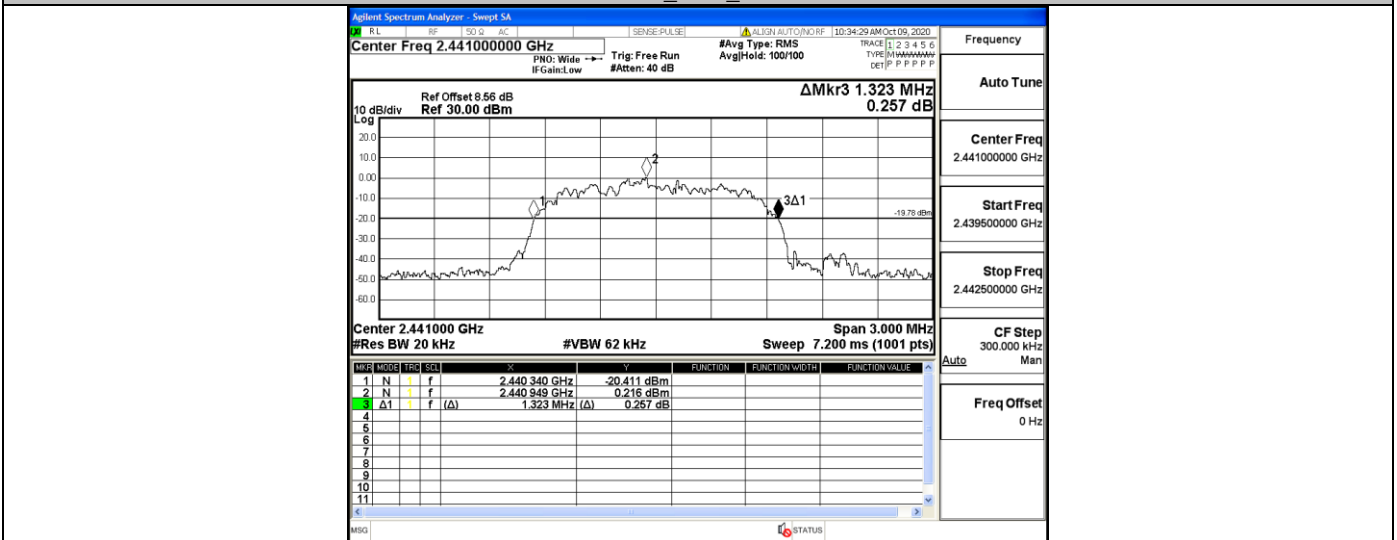
DH5_Ant1_2480



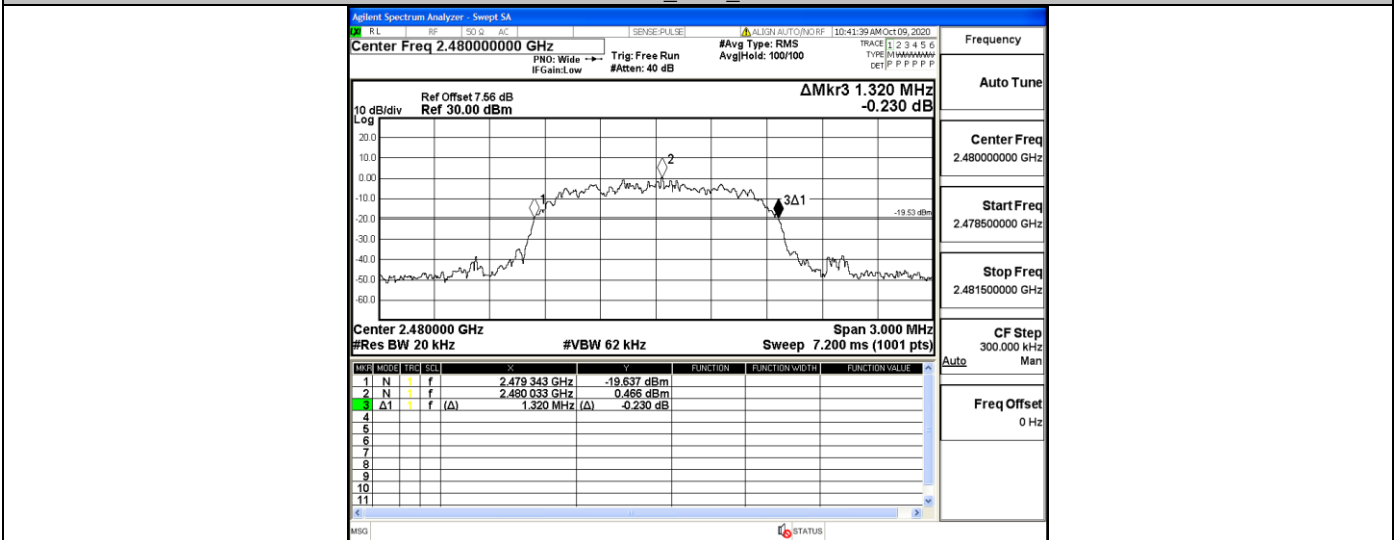
2DH5_Ant1_2402



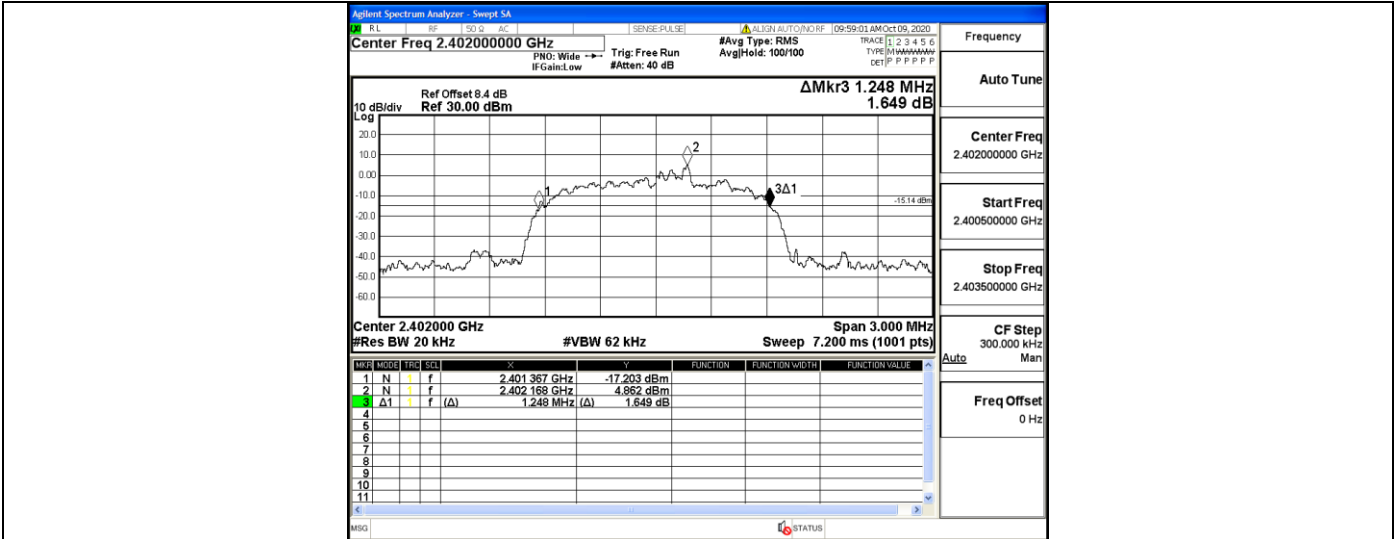
2DH5_Ant1_2441



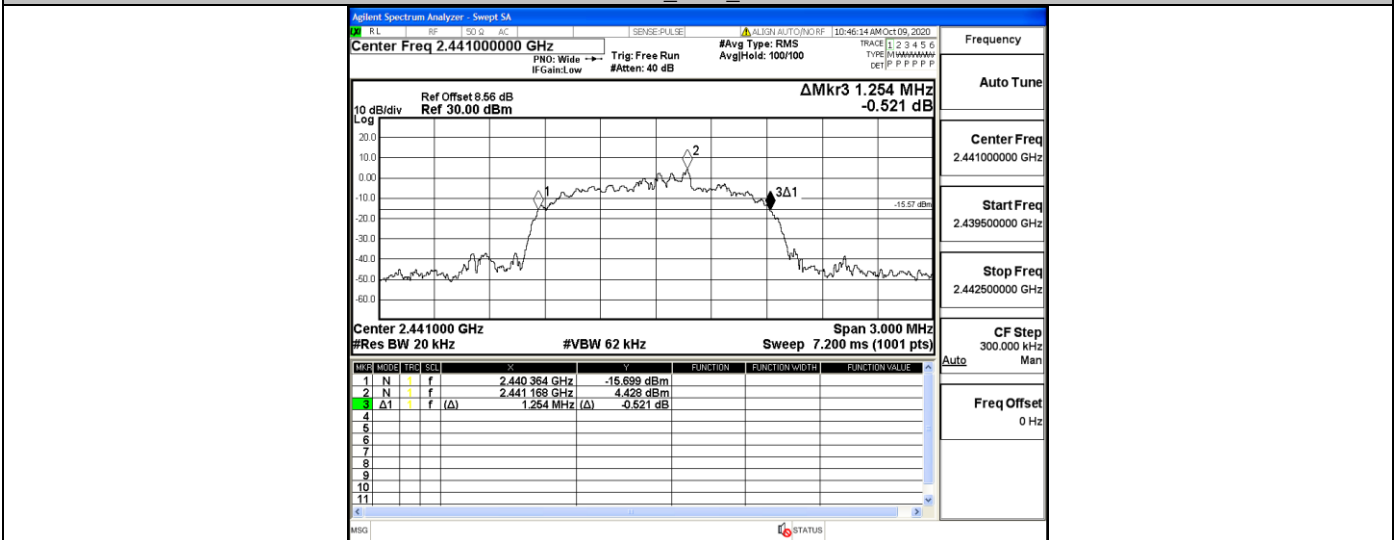
2DH5_Ant1_2480



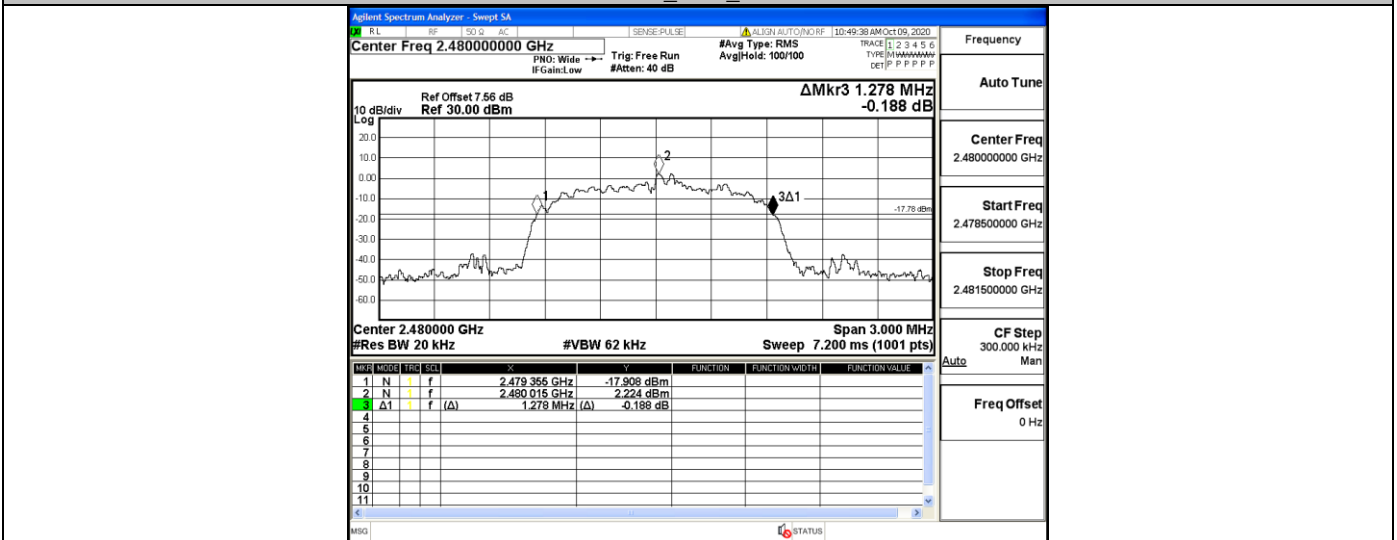
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

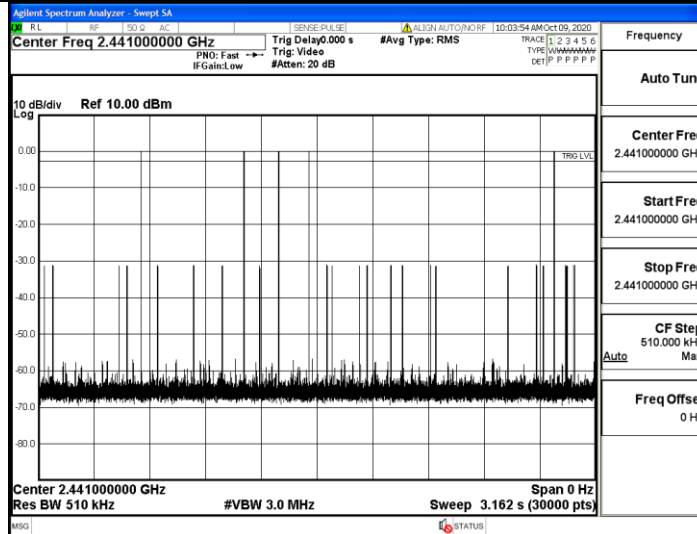
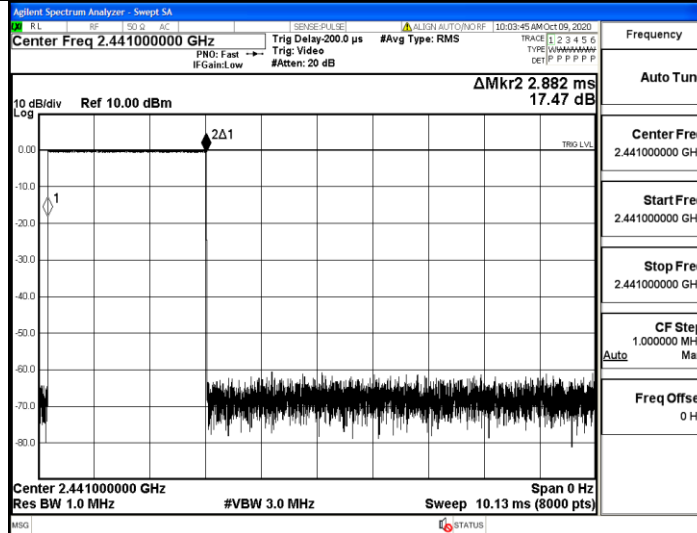


A.2 Dwell Time

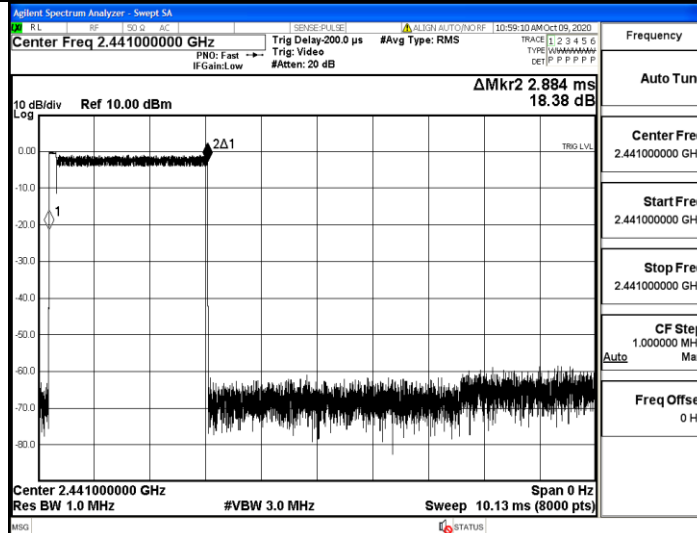
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	60	0.173	<=0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.375	<=0.4	PASS
3DH5	Ant1	Hop	2.89	100	0.289	<=0.4	PASS

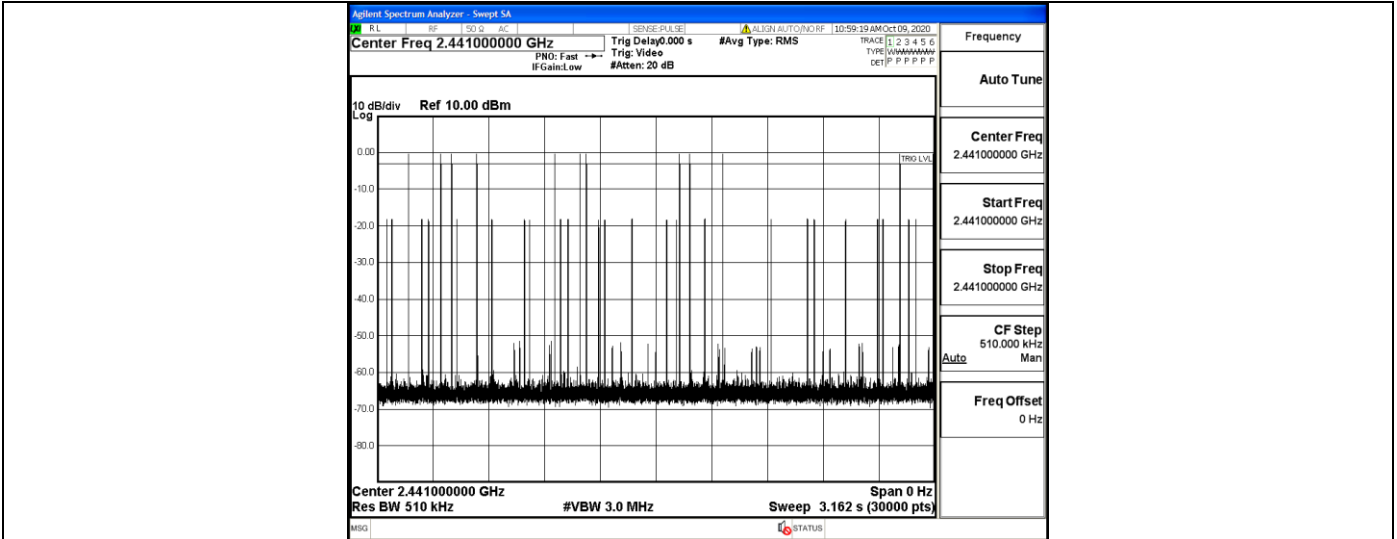
Test Graph

DH5_Ant1_Hop

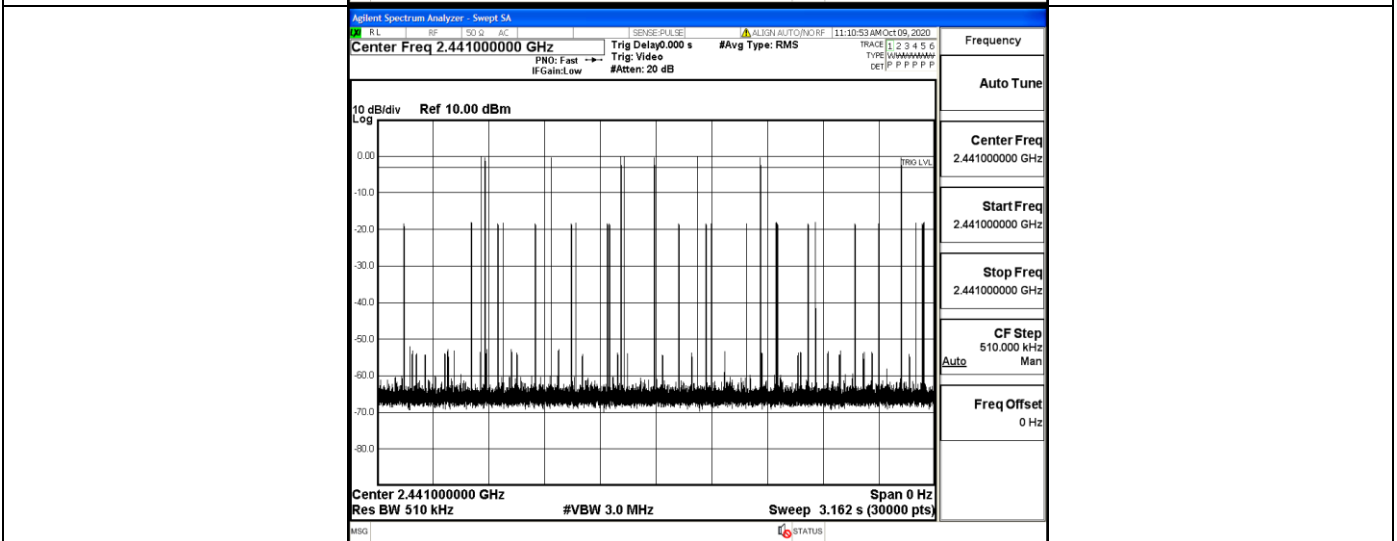
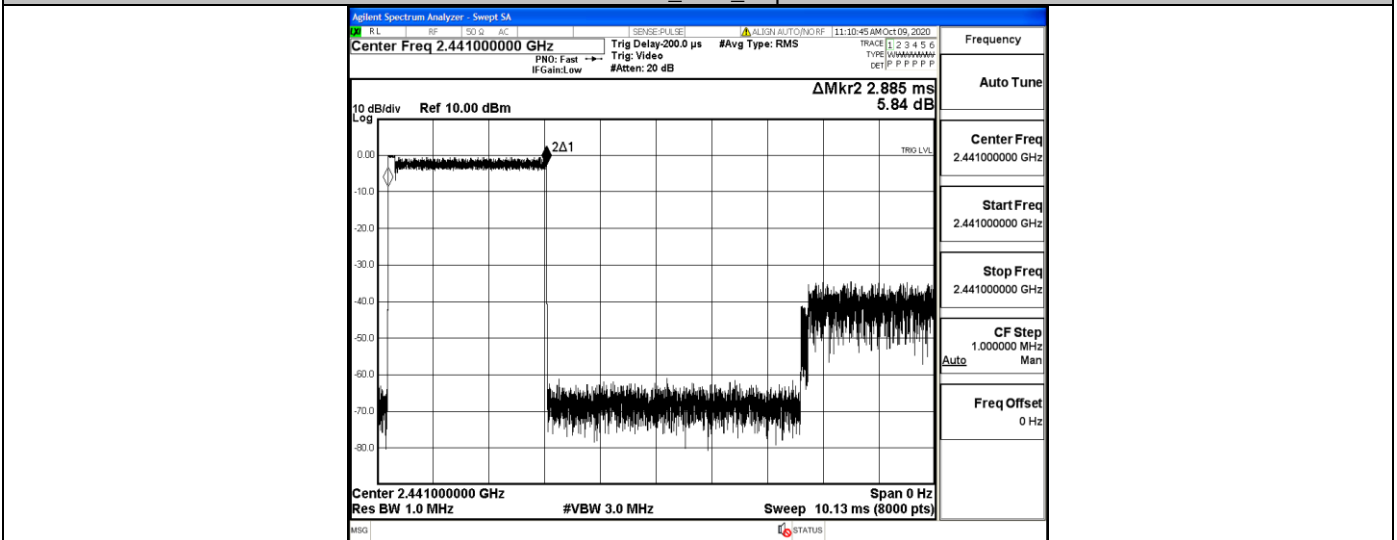


2DH5_Ant1_Hop





3DH5_Ant1_Hop

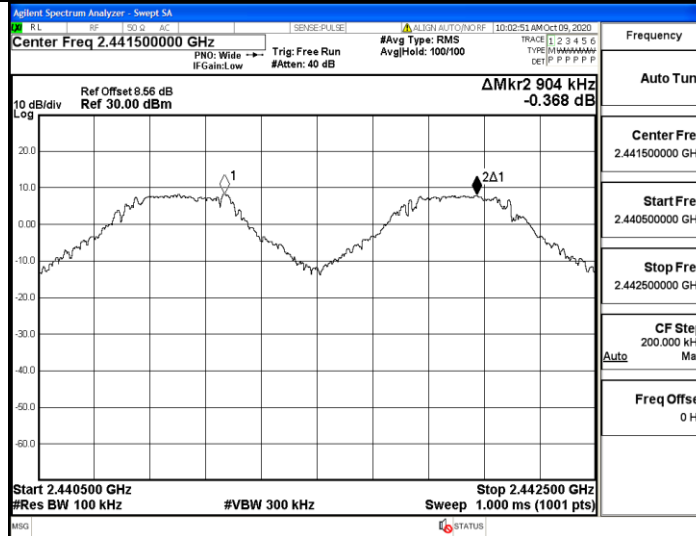


A.3 Carrier Frequency Separation

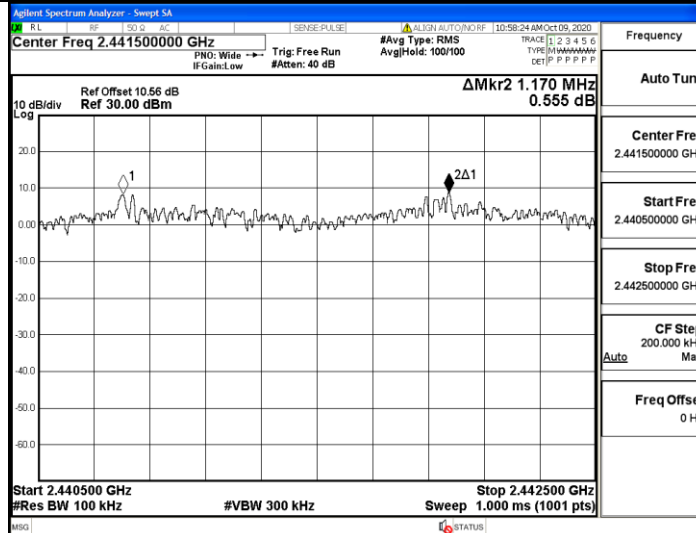
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.904	≥ 0.804	PASS
2DH5	Ant1	Hop	1.17	≥ 0.882	PASS
3DH5	Ant1	Hop	0.9	≥ 0.852	PASS

Test Graph

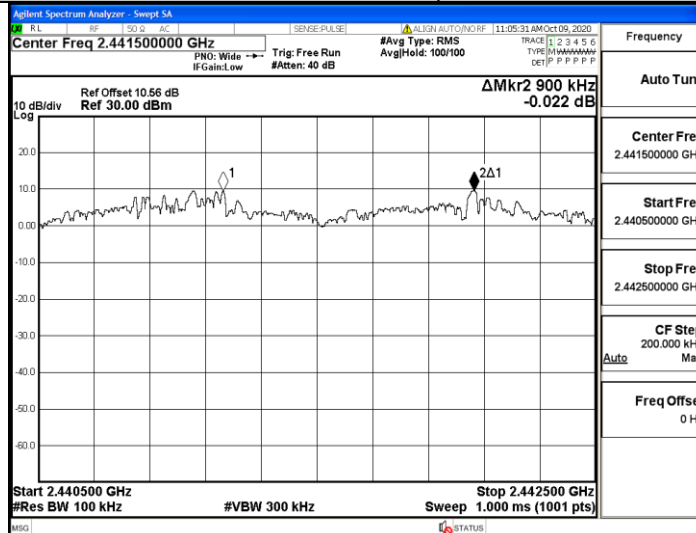
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

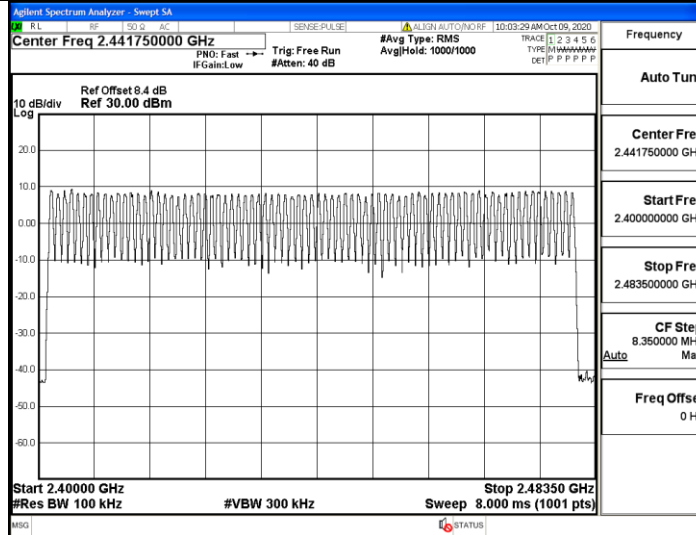


A.4 Hopping Channel Number

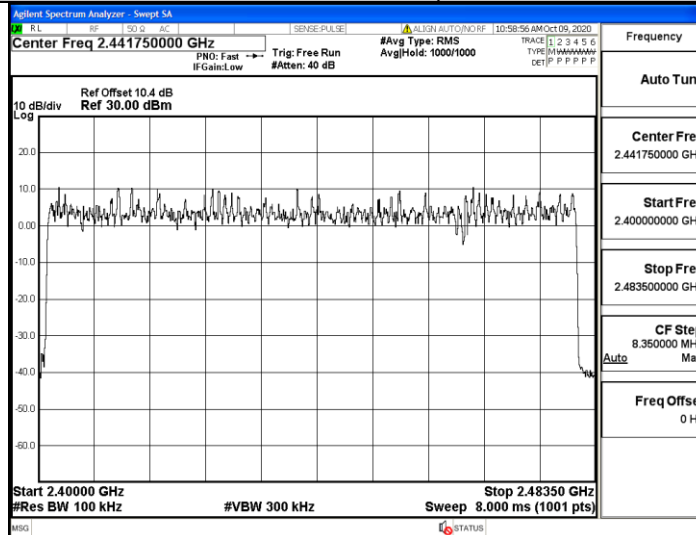
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
2DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS

Test Graph

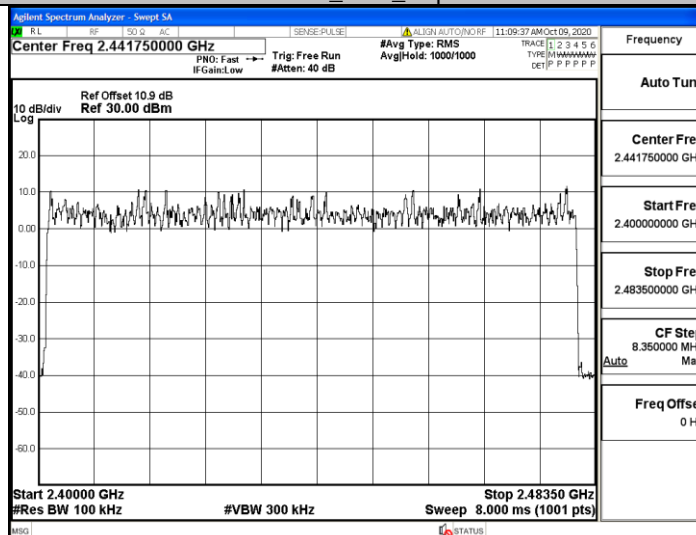
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

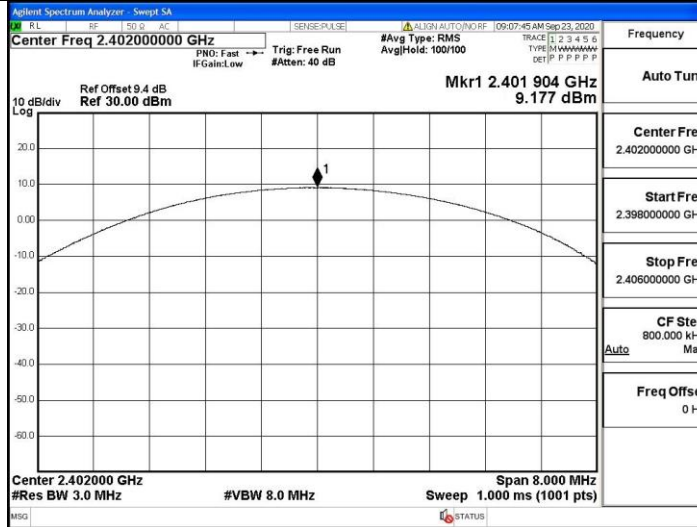


A.5 Conducted Peak Output Power

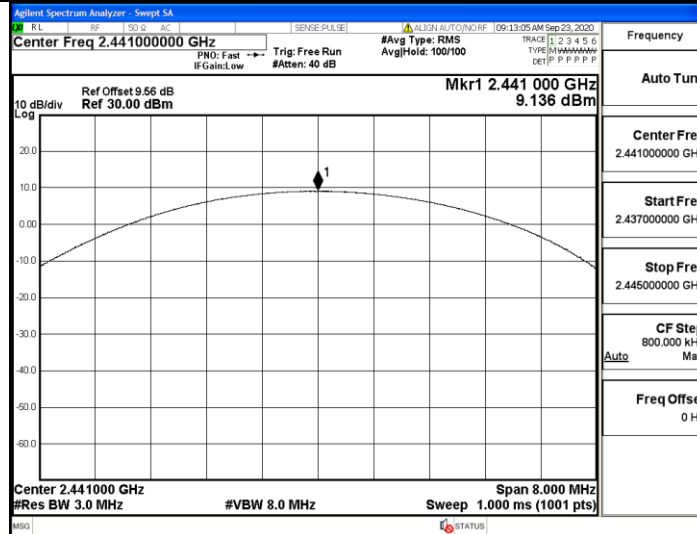
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	9.18	<=30	PASS
		2441	9.14	<=30	PASS
		2480	9.14	<=30	PASS
2DH5	Ant1	2402	9.15	<=20.97	PASS
		2441	8.27	<=20.97	PASS
		2480	8.29	<=20.97	PASS
3DH5	Ant1	2402	9.17	<=20.97	PASS
		2441	8.22	<=20.97	PASS
		2480	8.32	<=20.97	PASS

Test Graph

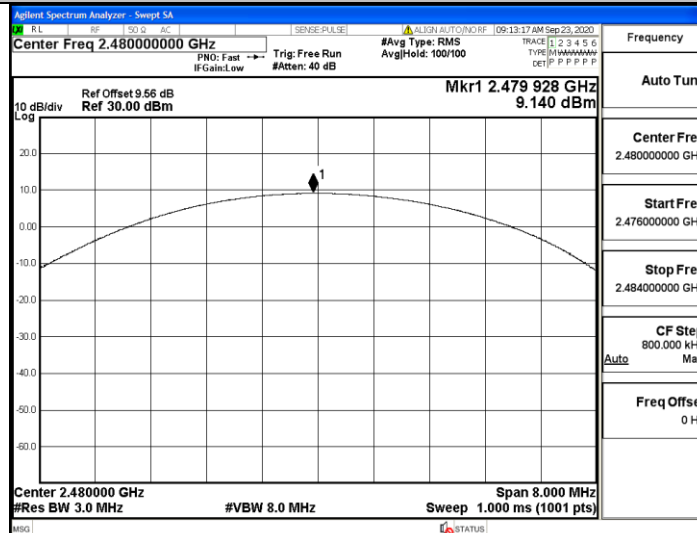
DH5_Ant1_2402



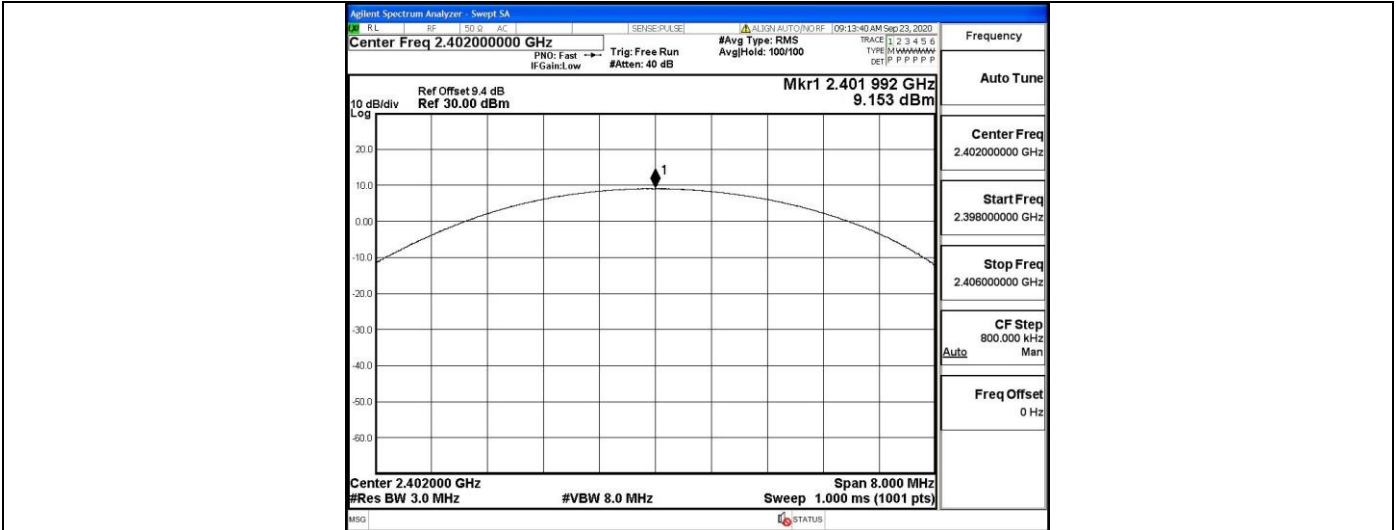
DH5_Ant1_2441



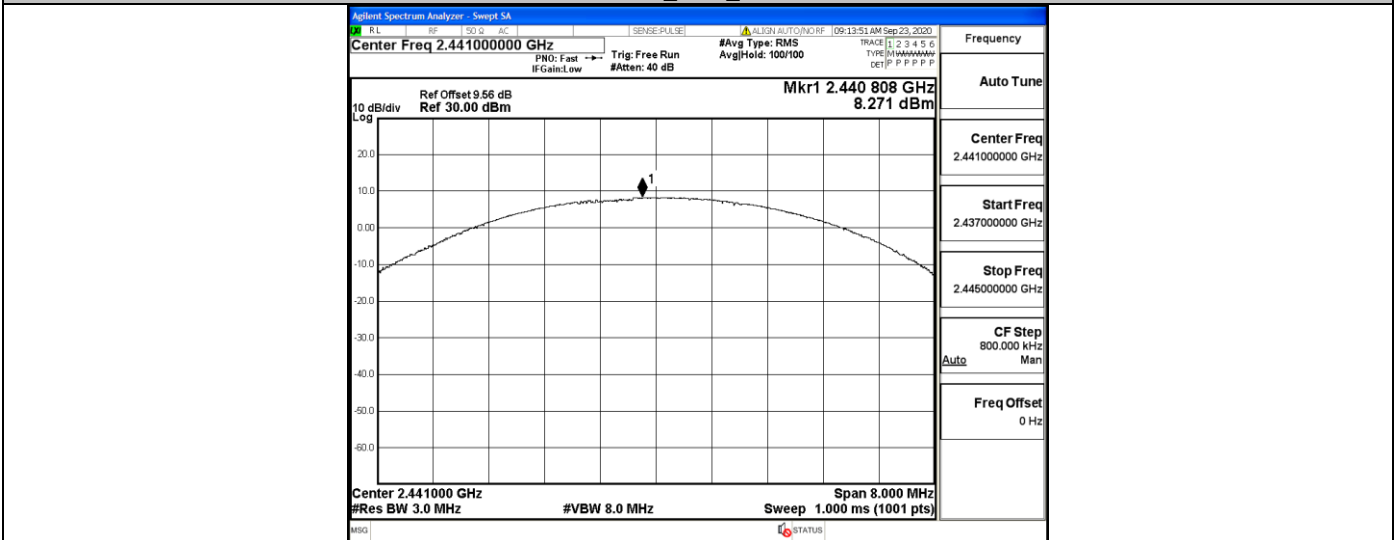
DH5_Ant1_2480



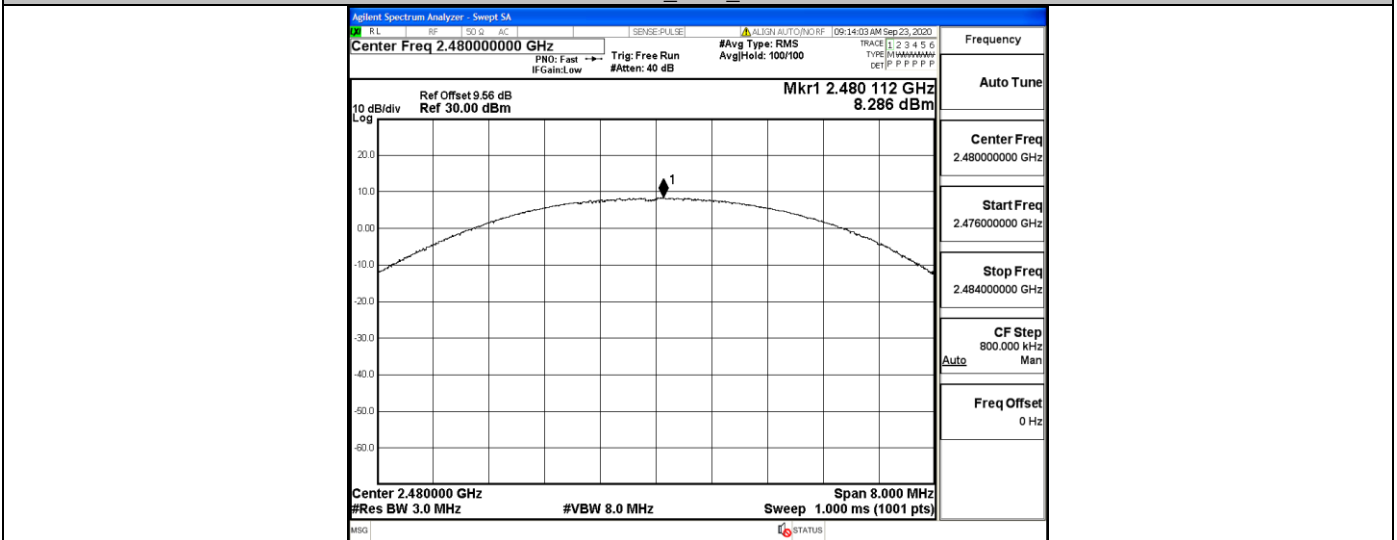
2DH5_Ant1_2402



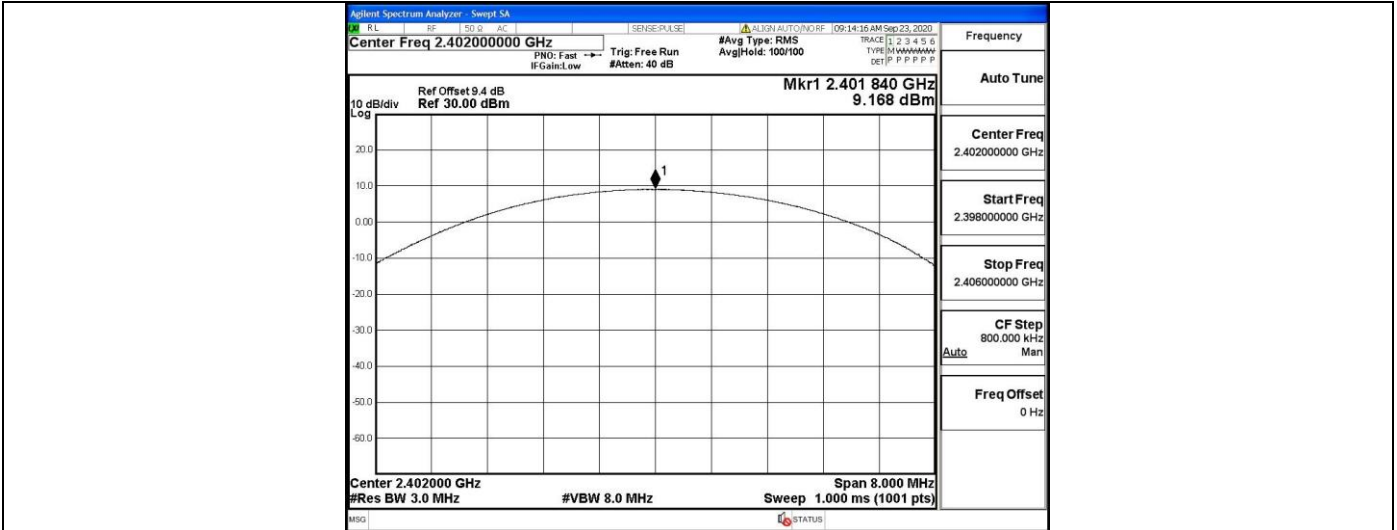
2DH5_Ant1_2441



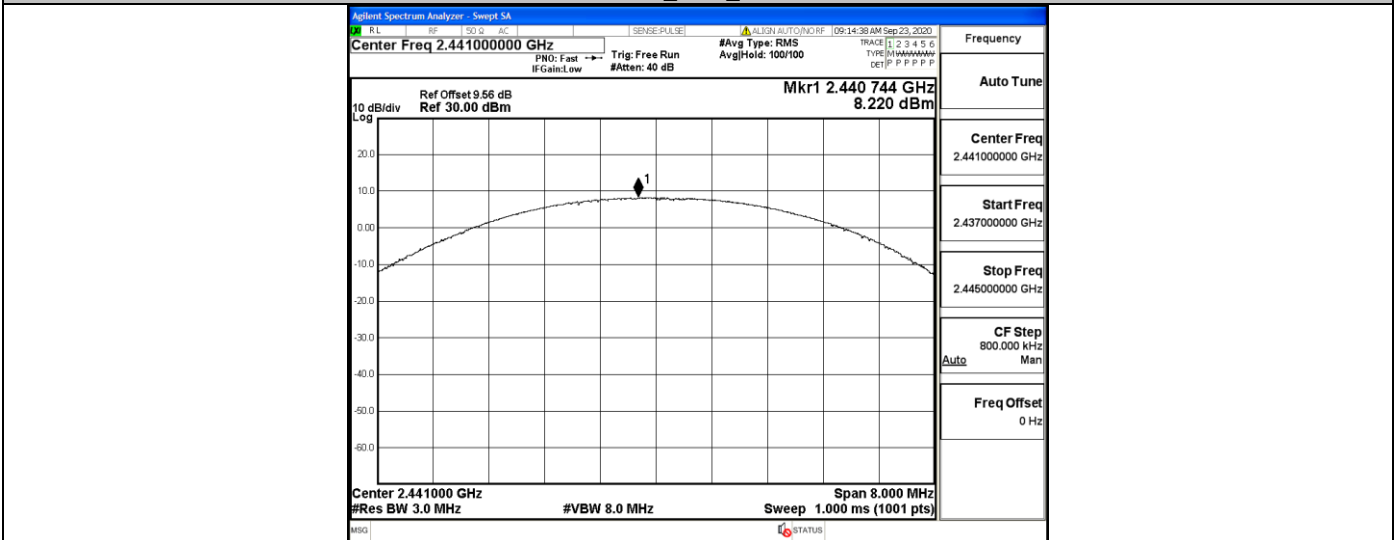
2DH5_Ant1_2480



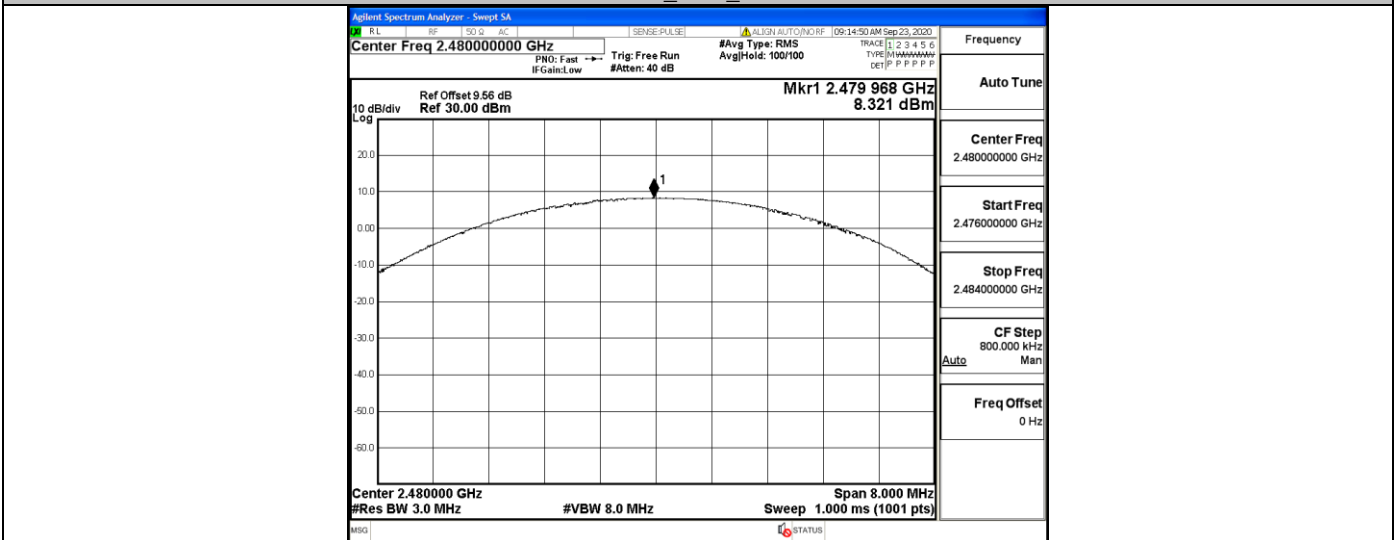
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

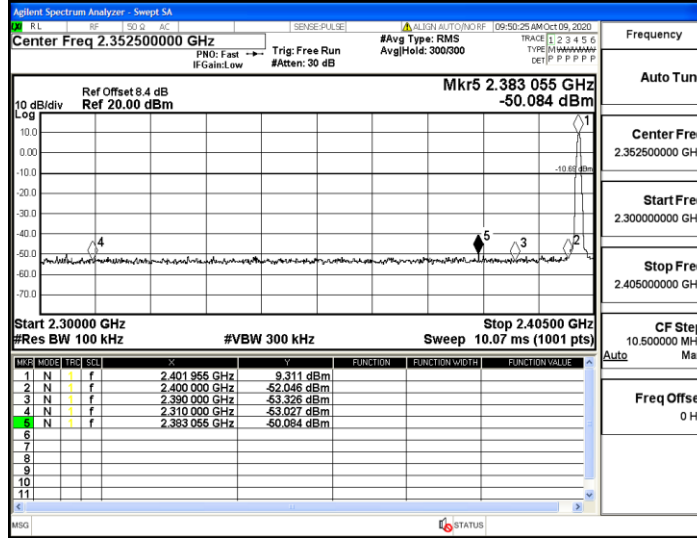


A.6 Band-edge for RF Conducted Emissions

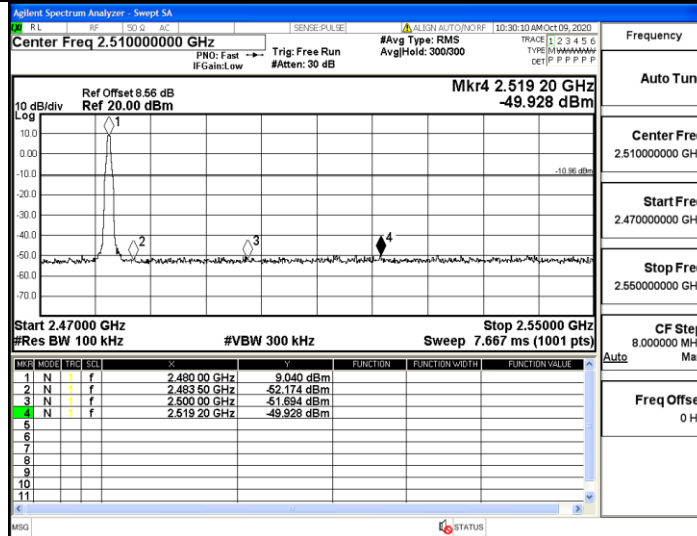
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	9.31	-50.08	<=-10.69	PASS
		High	2480	9.04	-49.93	<=-10.96	PASS
		Low	Hop_2402	8.70	-51.19	<=-11.3	PASS
		High	Hop_2480	8.90	-49.67	<=-11.1	PASS
2DH5	Ant1	Low	2402	8.29	-50.59	<=-11.72	PASS
		High	2480	7.14	-50.8	<=-14.86	PASS
		Low	Hop_2402	8.46	-45.97	<=-11.54	PASS
		High	Hop_2480	6.98	-47.01	<=-13.03	PASS
3DH5	Ant1	Low	2402	8.53	-50.58	<=-11.47	PASS
		High	2480	8.17	-50.92	<=-11.83	PASS
		Low	Hop_2402	6.84	-49.06	<=-13.16	PASS
		High	Hop_2480	7.45	-46.64	<=-12.55	PASS

Test Graph

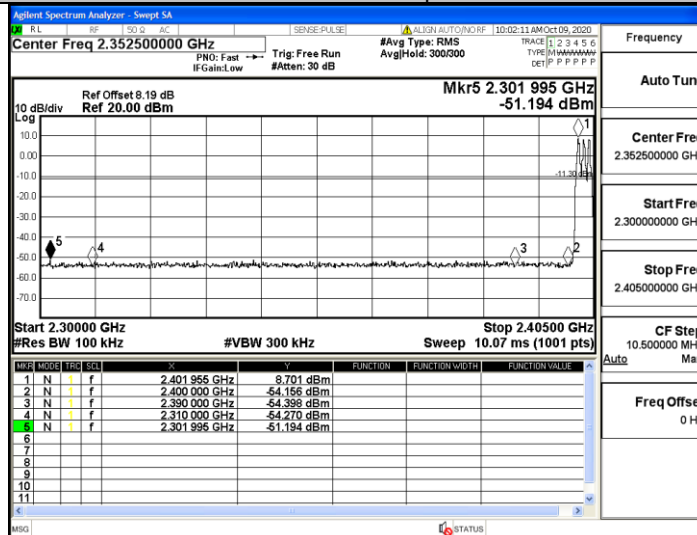
DH5_Ant1_Low_2402



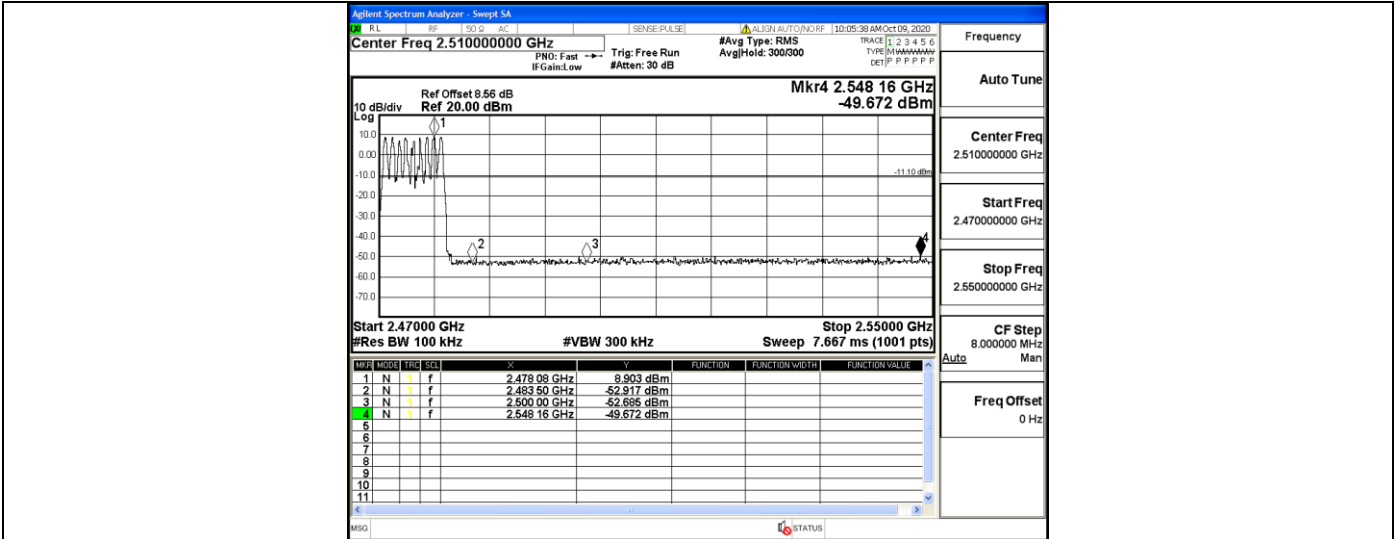
DH5_Ant1_High_2480



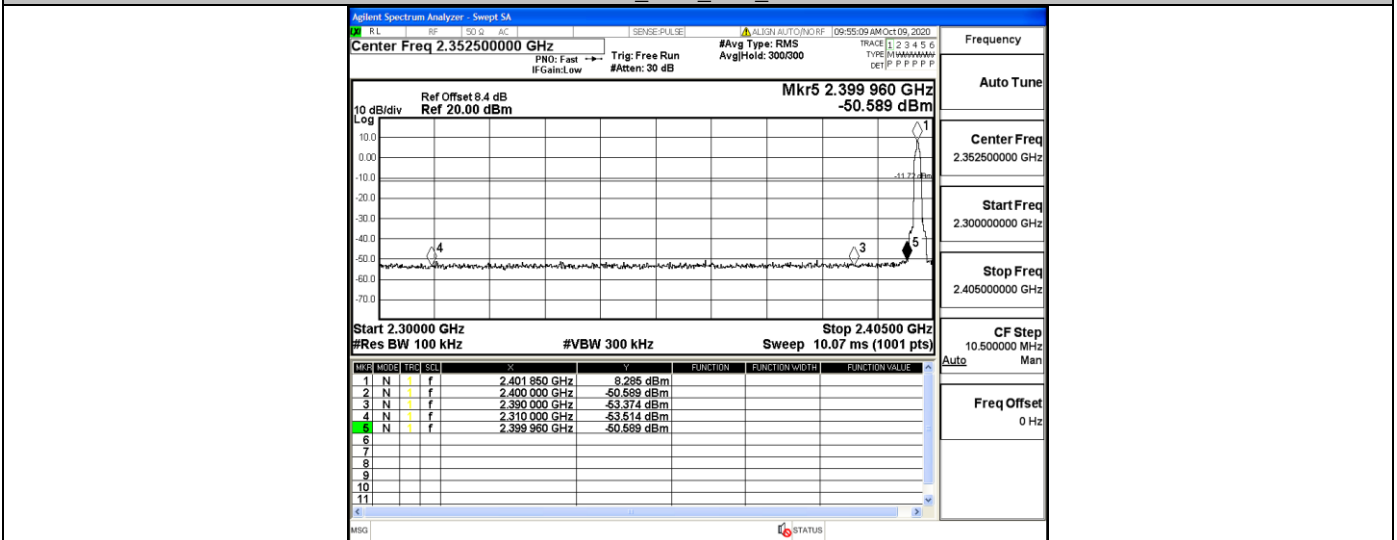
DH5_Ant1_Low_Hop_2402



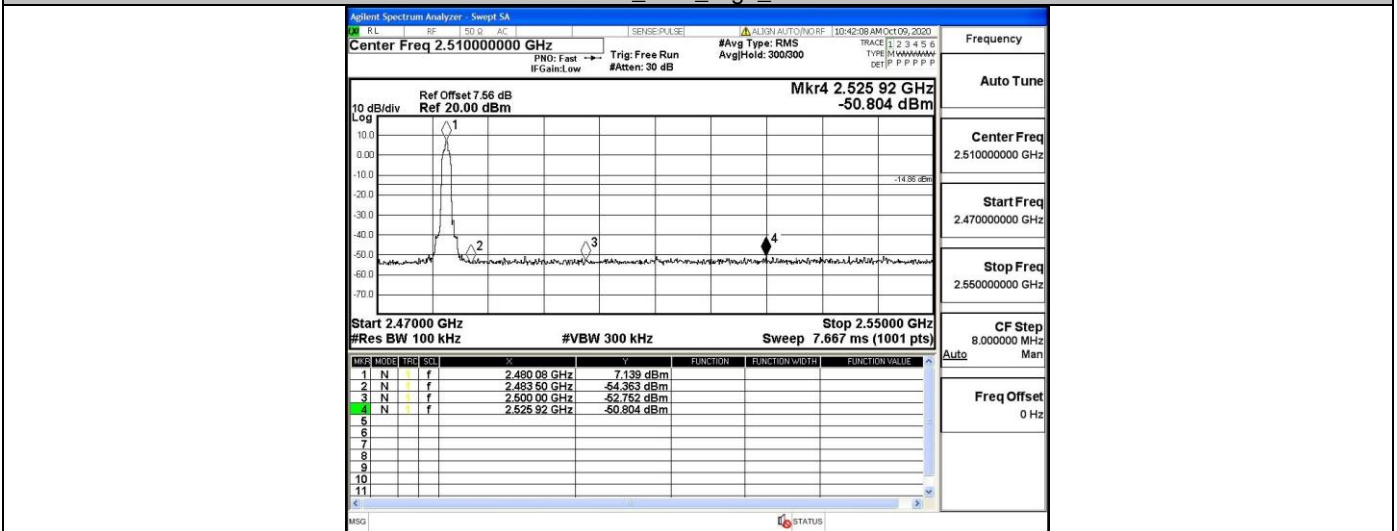
DH5_Ant1_High_Hop_2480



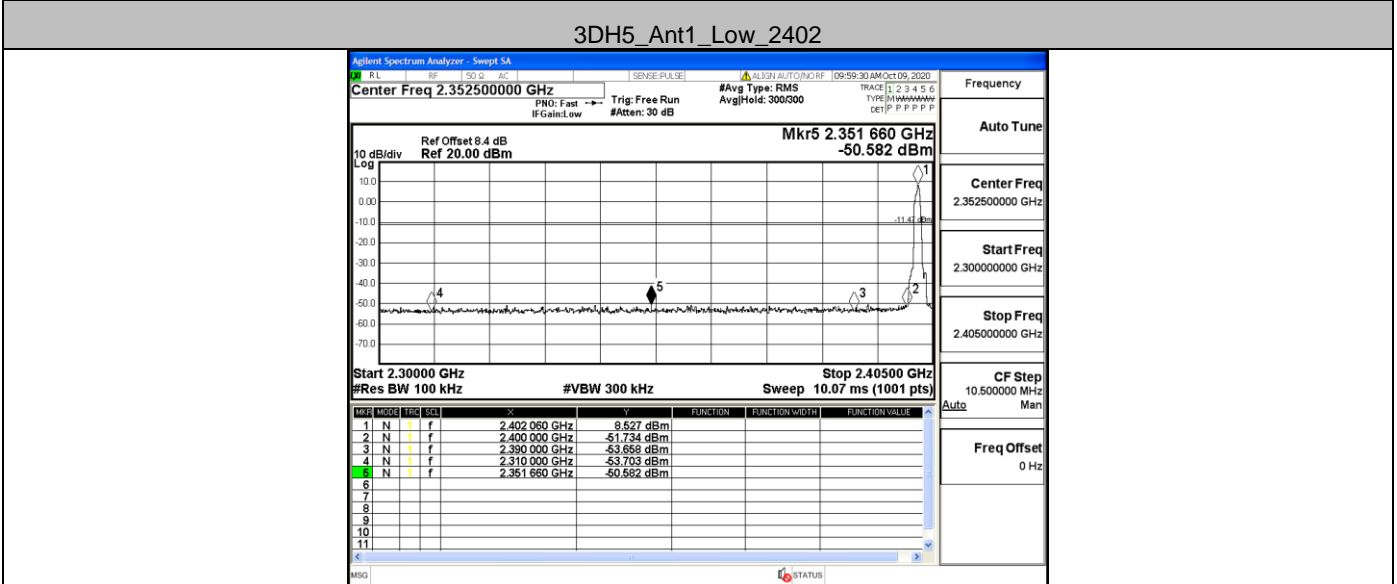
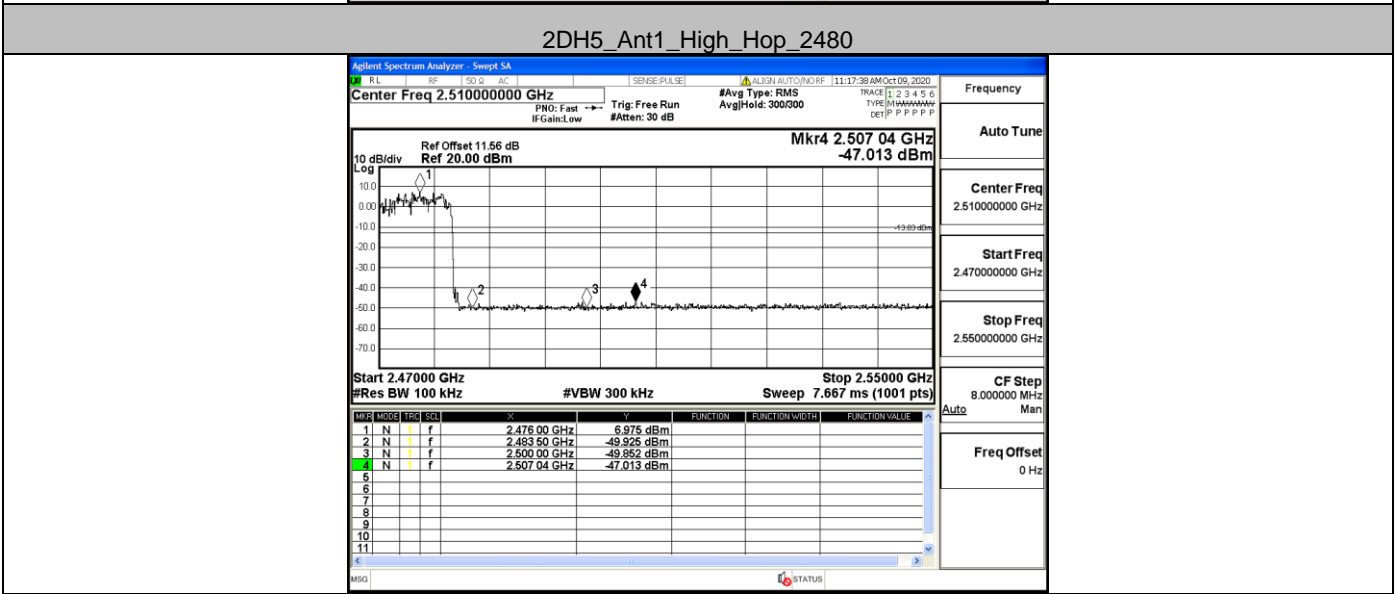
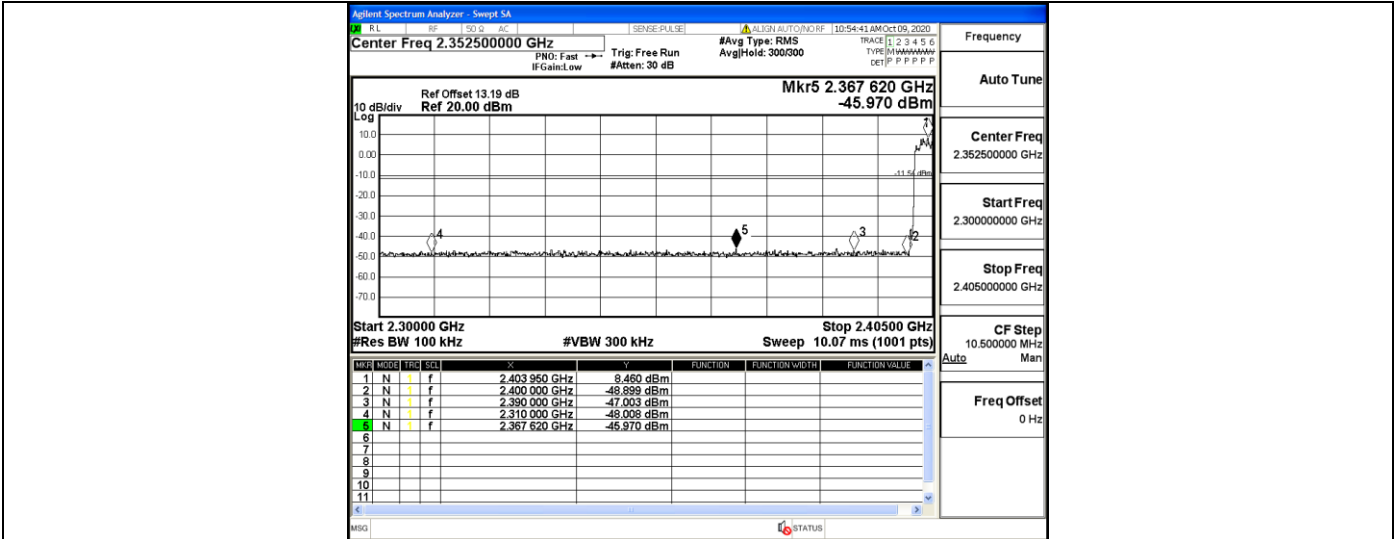
2DH5_Ant1_Low_2402

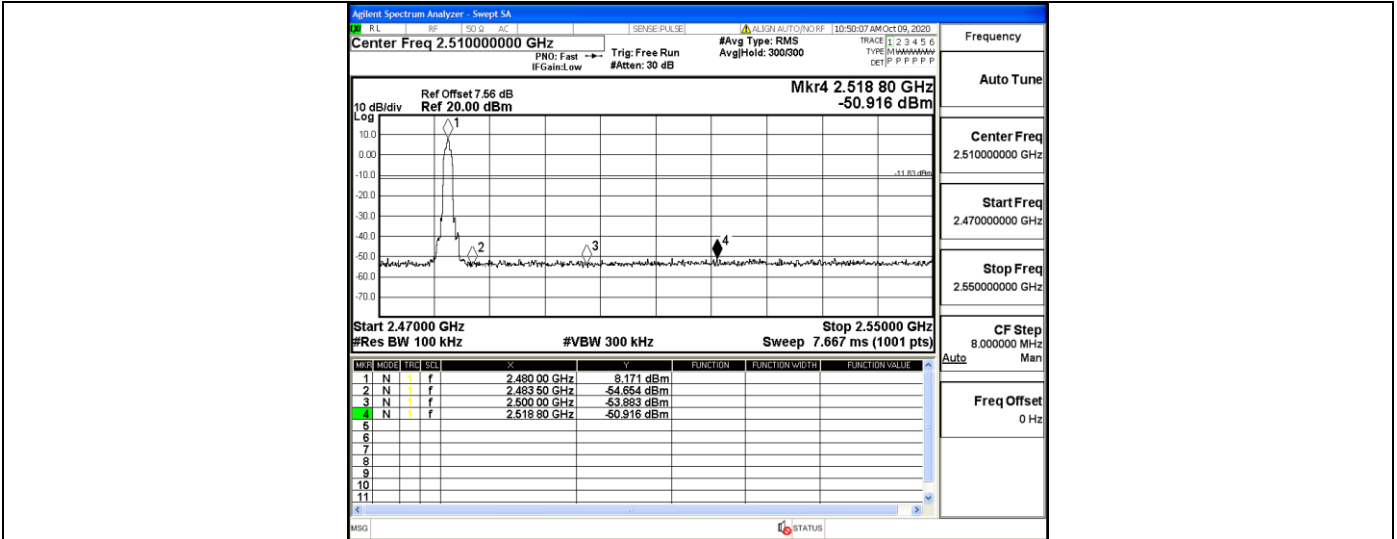


2DH5_Ant1_High_2480

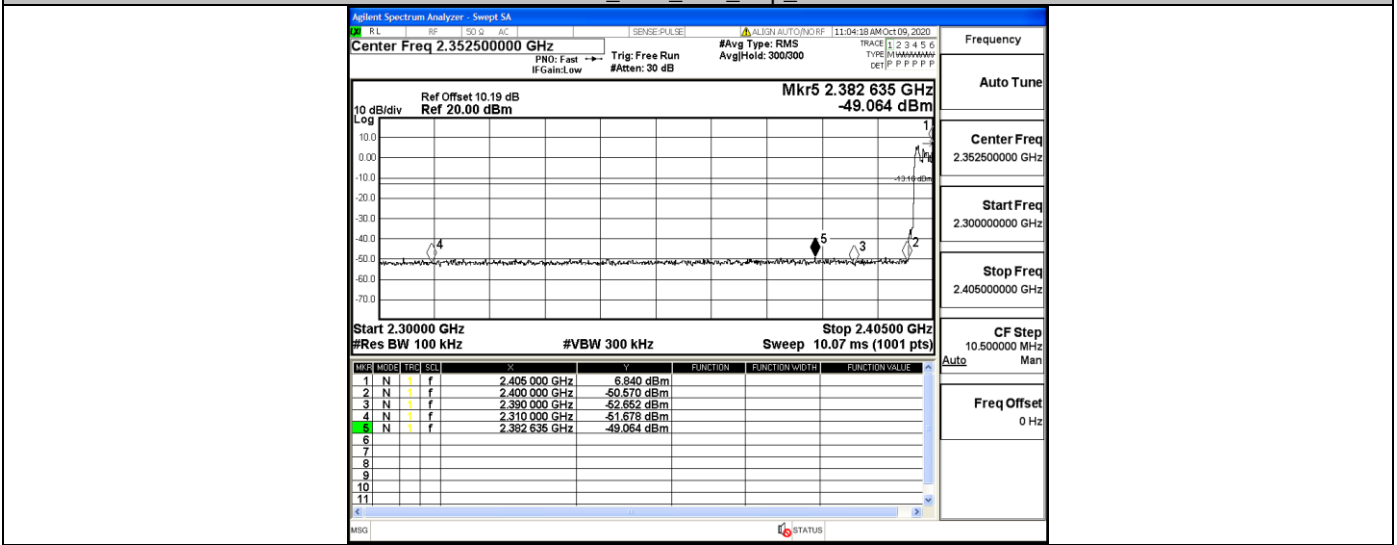


2DH5_Ant1_Low_Hop_2402





3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

