

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

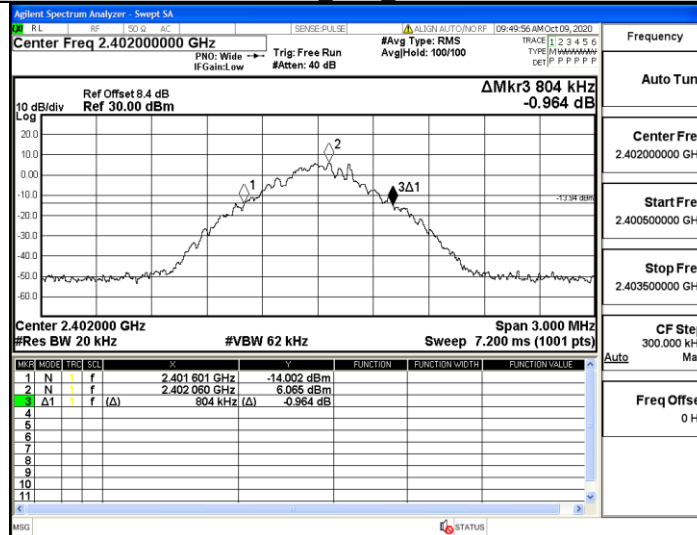
Temperature:	22.8° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

A.1 20 dB Bandwidth

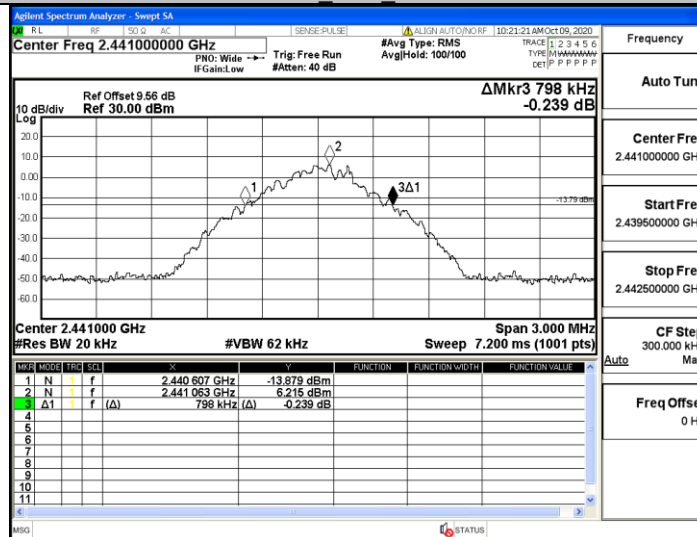
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.804	2401.601	2402.405	---	PASS
		2441	0.798	2440.607	2441.405	---	PASS
		2480	0.804	2479.601	2480.405	---	PASS
2DH5	Ant1	2402	1.272	2401.376	2402.648	---	PASS
		2441	1.323	2440.340	2441.663	---	PASS
		2480	1.320	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

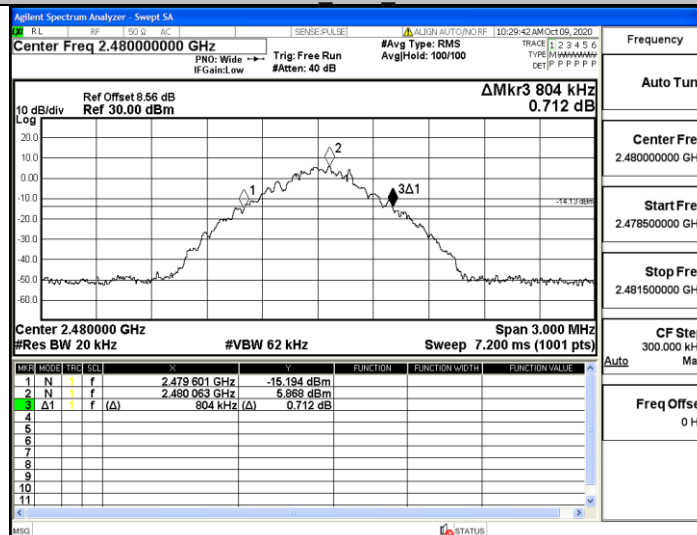
DH5_Ant1_2402



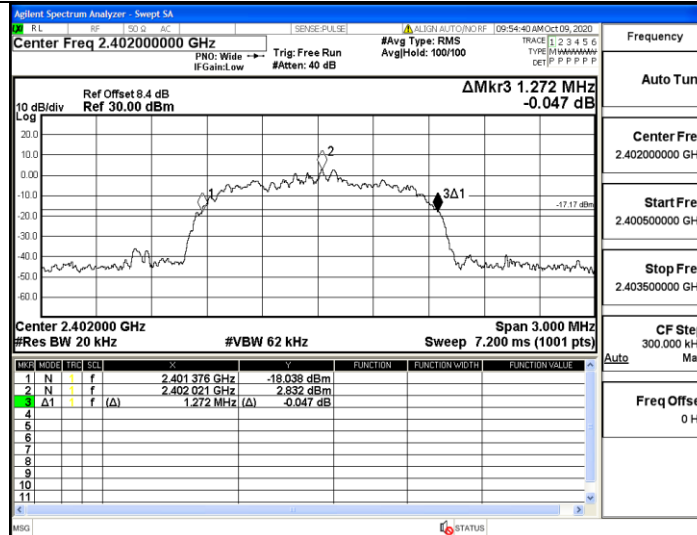
DH5_Ant1_2441



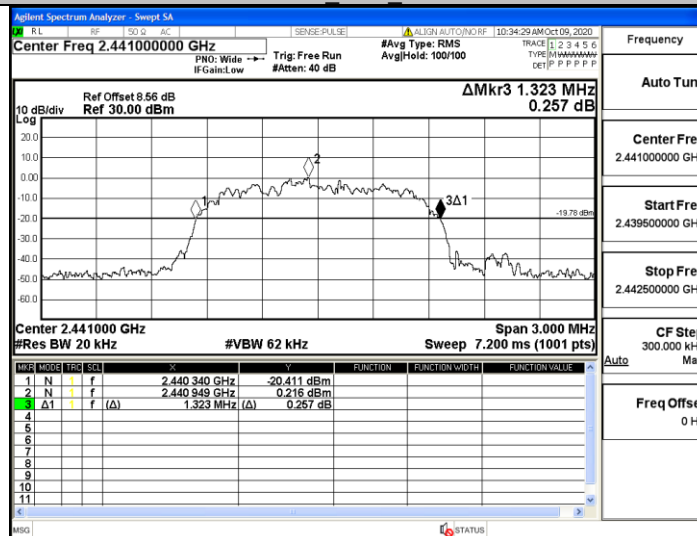
DH5_Ant1_2480



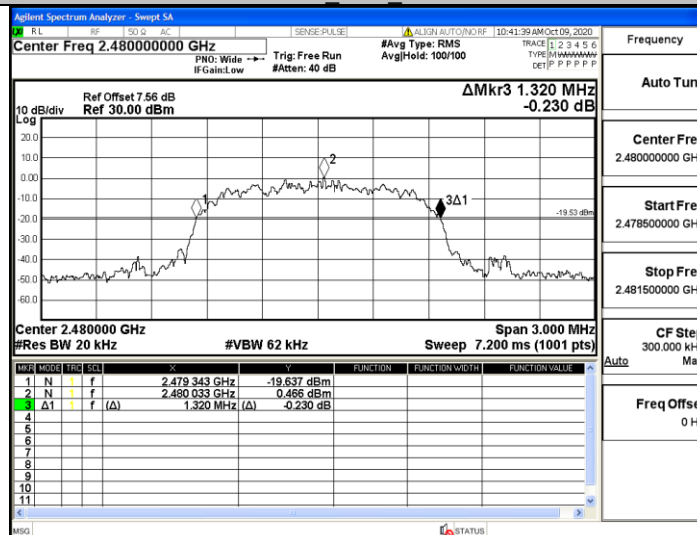
2DH5_Ant1_2402



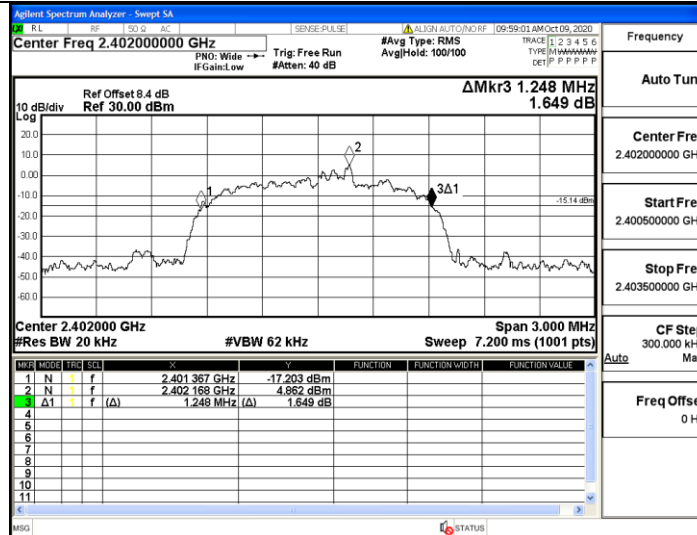
2DH5 Ant1 2441



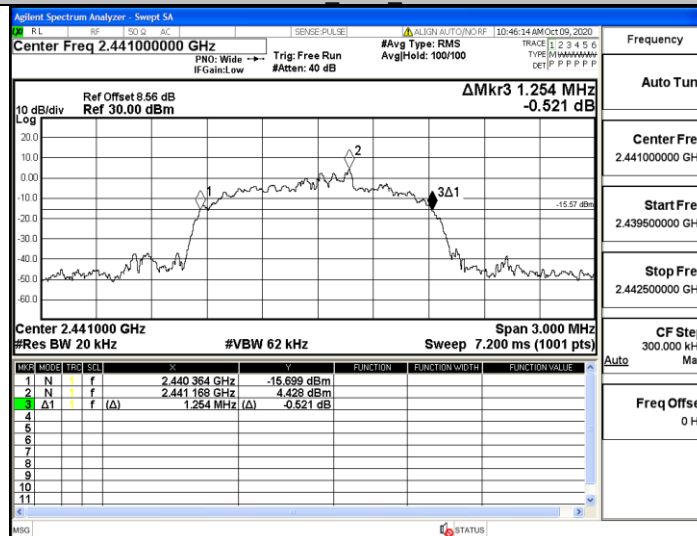
2DH5 Ant1 2480



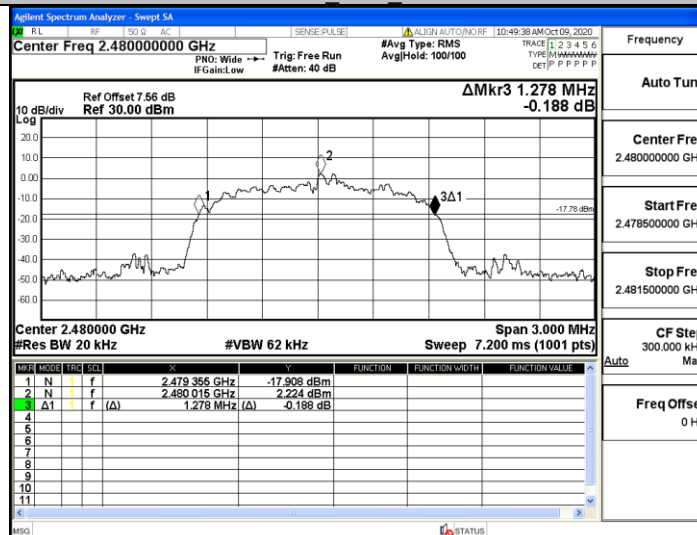
3DH5 Ant1 2402



3DH5 Ant1 2441



3DH5 Ant1 2480

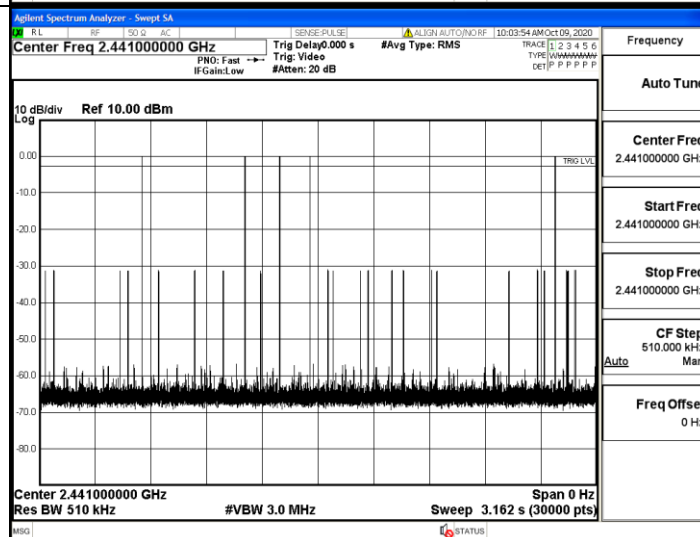
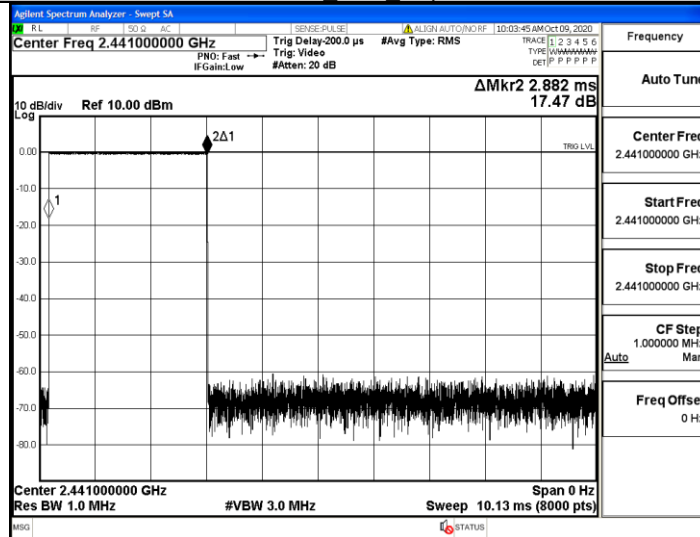


A.2 Dwell Time

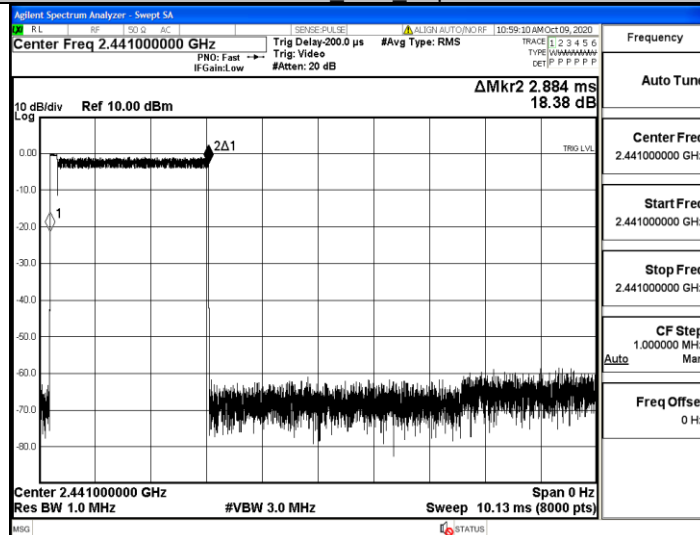
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.88	60	0.173	≤ 0.4	PASS
2DH5	Ant1	Hop	2.88	130	0.375	≤ 0.4	PASS
3DH5	Ant1	Hop	2.89	100	0.289	≤ 0.4	PASS

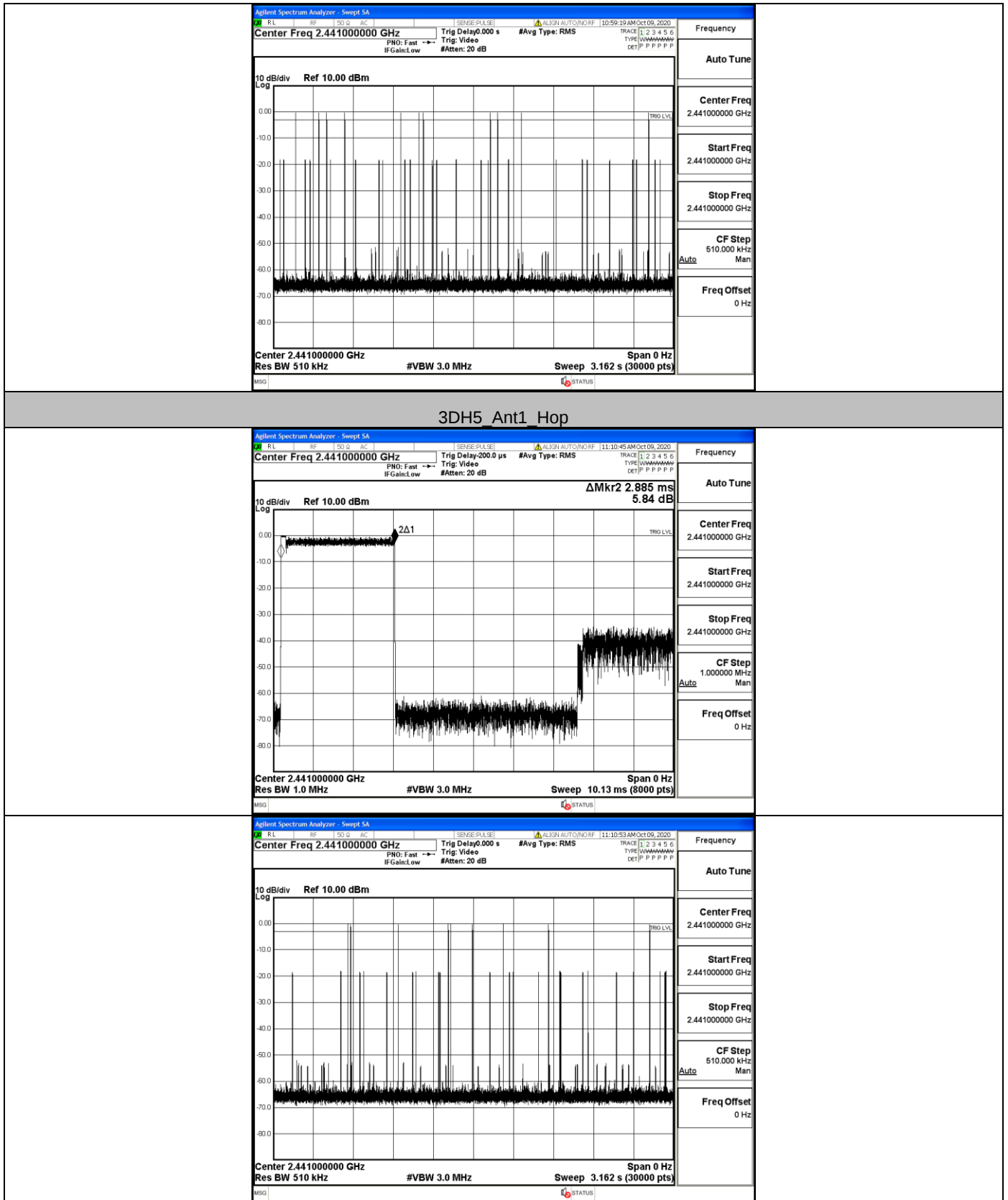
Test Graph

DH5_Ant1_Hop



2DH5_Ant1_Hop



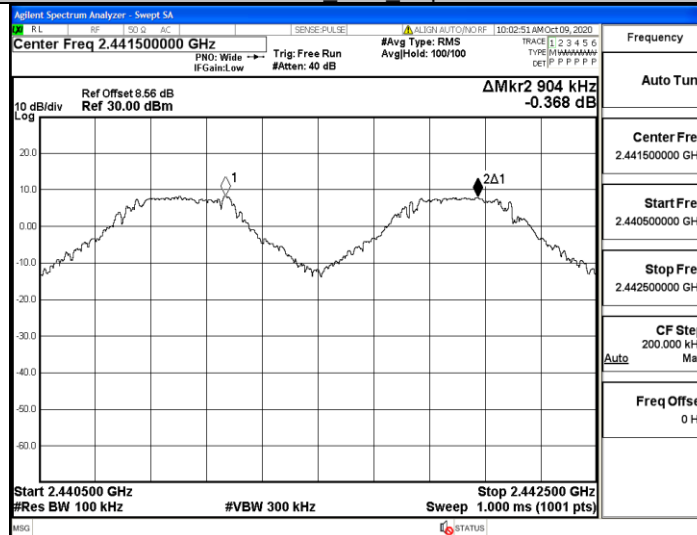


A.3 Carrier Frequency Separation

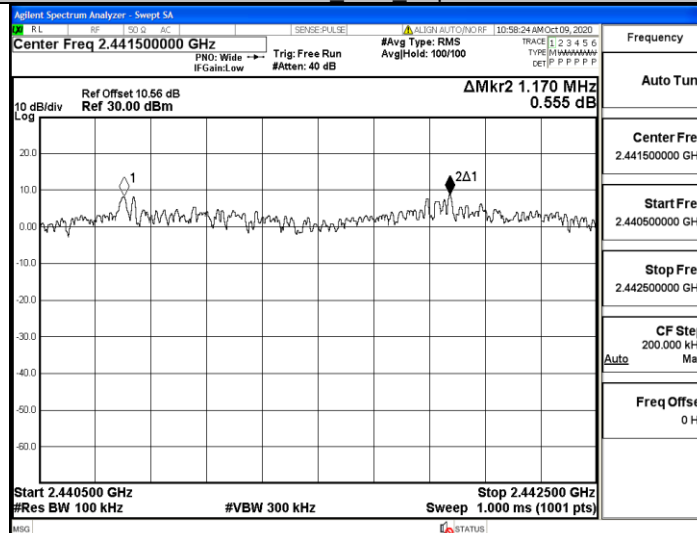
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.904	≥ 0.804	PASS
2DH5	Ant1	Hop	1.17	≥ 0.882	PASS
3DH5	Ant1	Hop	0.9	≥ 0.852	PASS

Test Graph

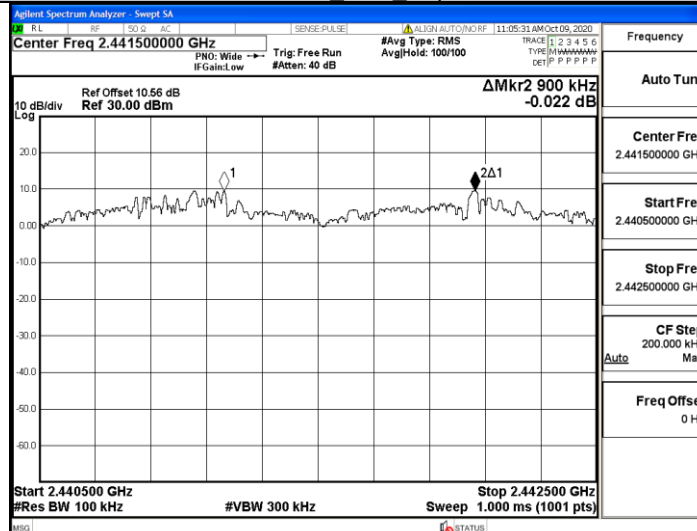
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

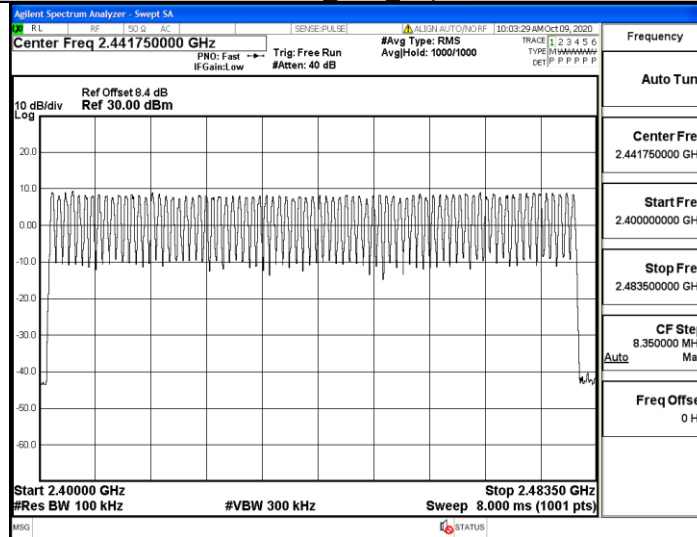


A.4 Hopping Channel Number

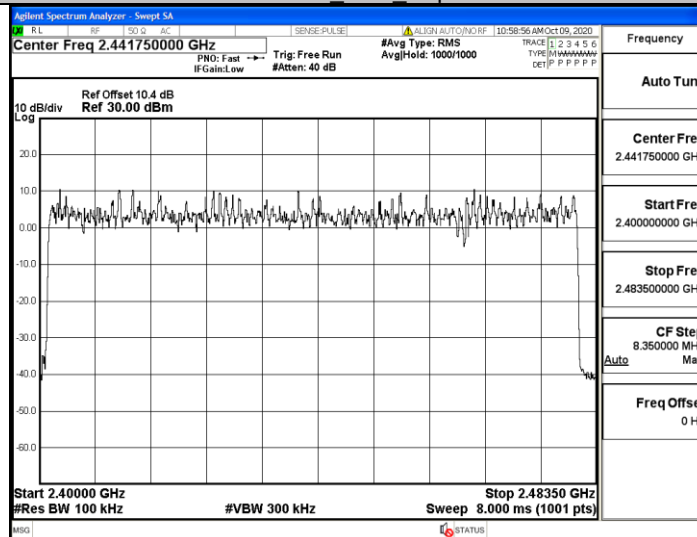
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	>=15	PASS
2DH5	Ant1	Hop	79	>=15	PASS
3DH5	Ant1	Hop	79	>=15	PASS

Test Graph

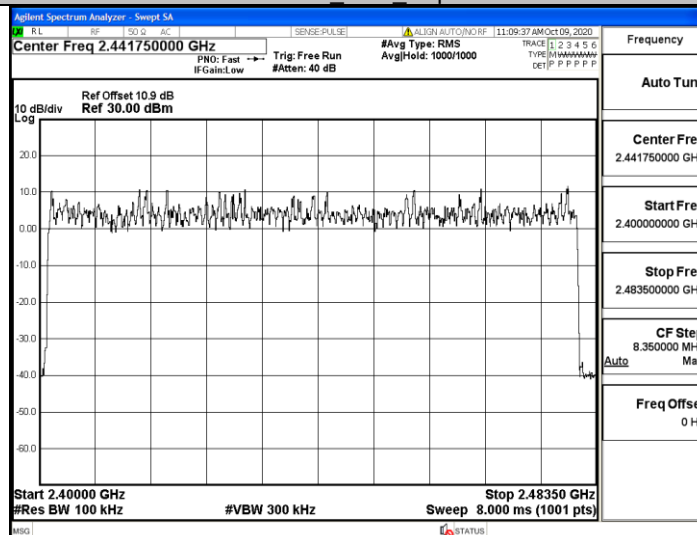
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

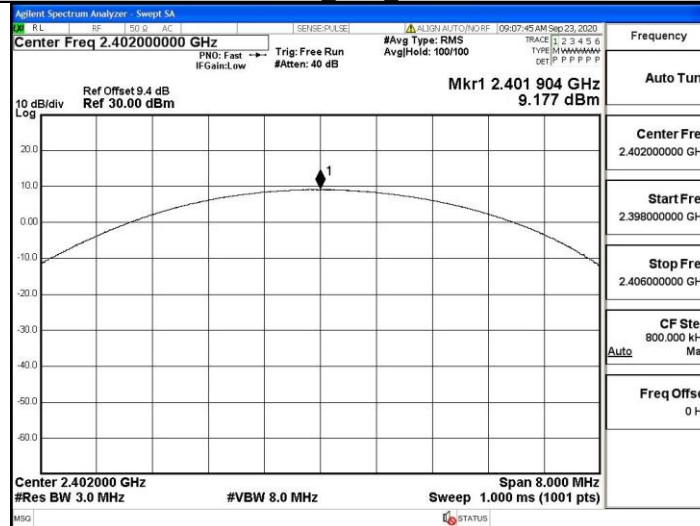


A.5 Conducted Peak Output Power

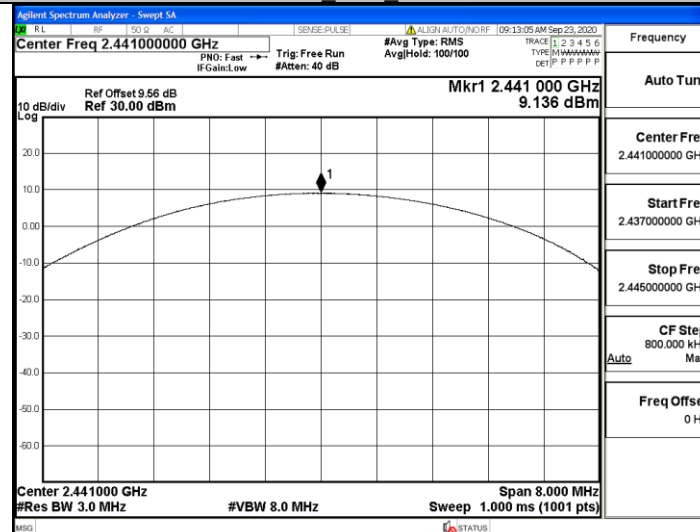
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	9.18	<=30	PASS
		2441	9.14	<=30	PASS
		2480	9.14	<=30	PASS
2DH5	Ant1	2402	9.15	<=20.97	PASS
		2441	8.27	<=20.97	PASS
		2480	8.29	<=20.97	PASS
3DH5	Ant1	2402	9.17	<=20.97	PASS
		2441	8.22	<=20.97	PASS
		2480	8.32	<=20.97	PASS

Test Graph

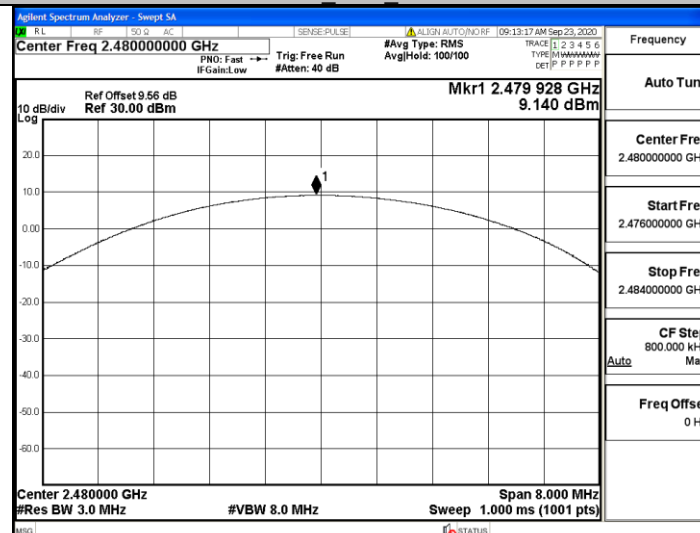
DH5_Ant1_2402



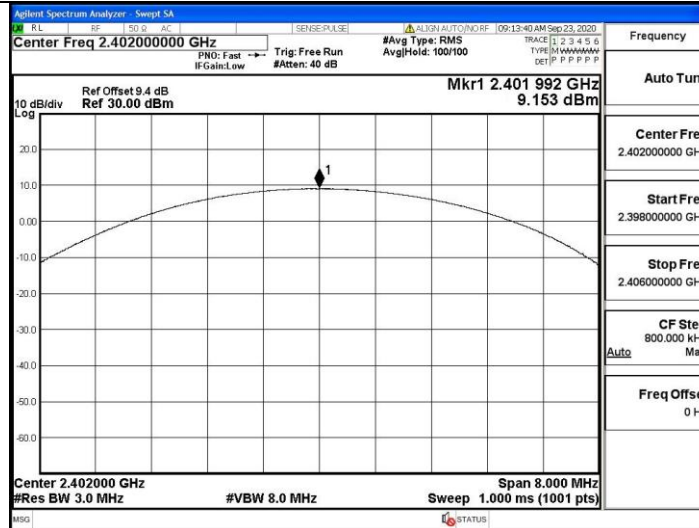
DH5_Ant1_2441



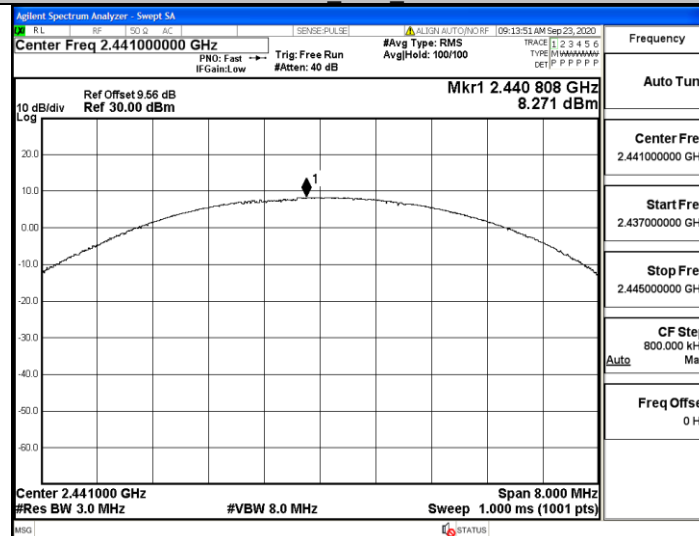
DH5_Ant1_2480



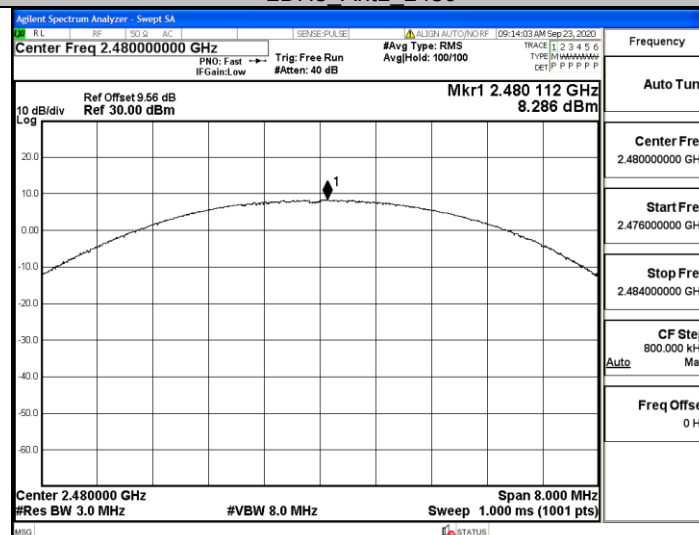
2DH5_Ant1_2402



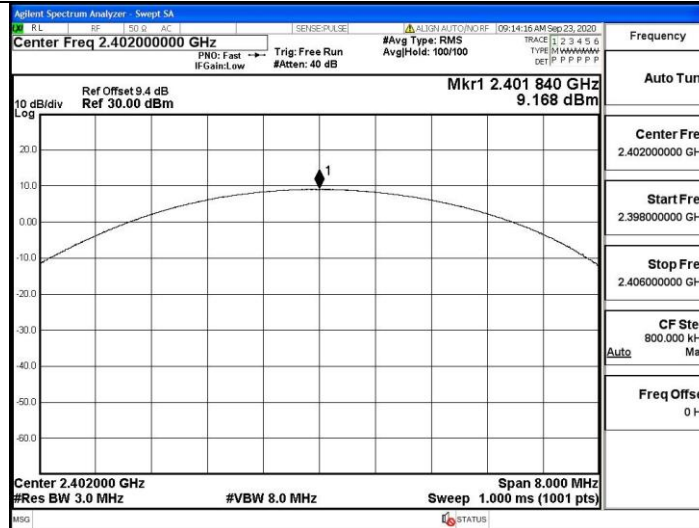
2DH5_Ant1_2441



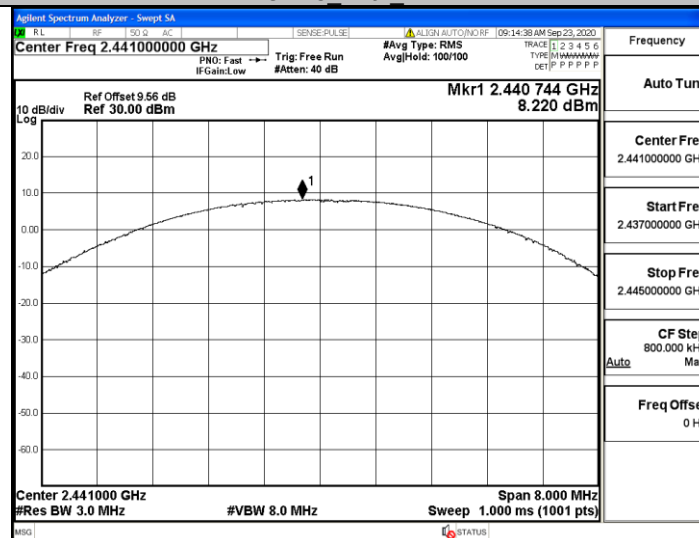
2DH5_Ant1_2480



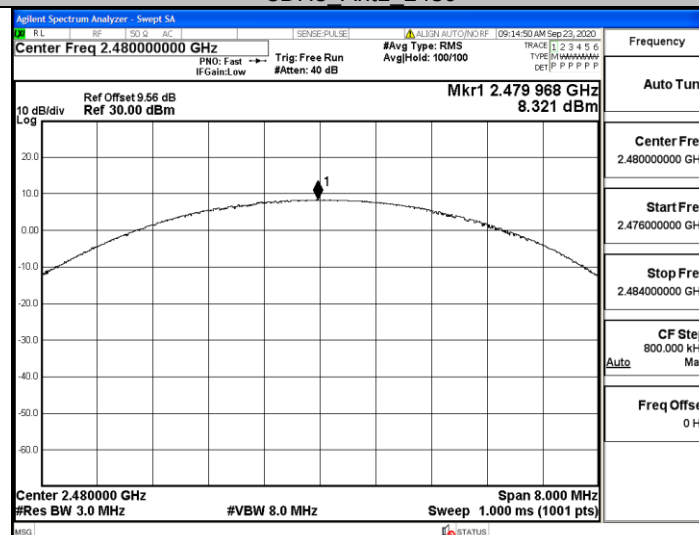
3DH5_Ant1_2402



3DH5 Ant1 2441



3DH5 Ant1 2480

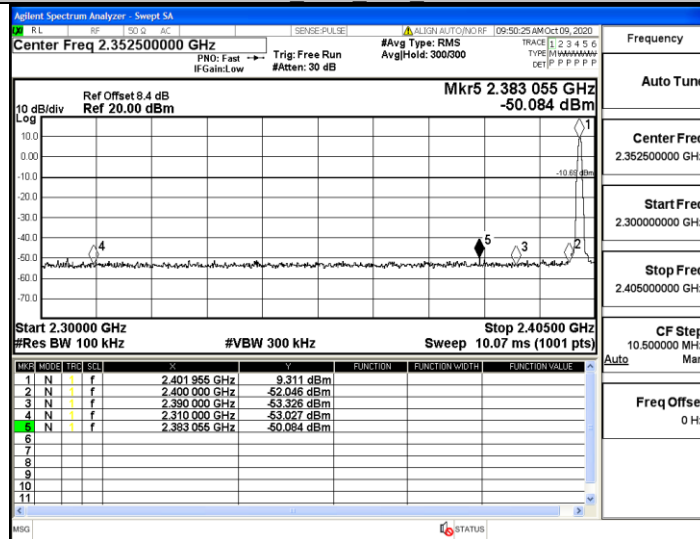


A.6 Band-edge for RF Conducted Emissions

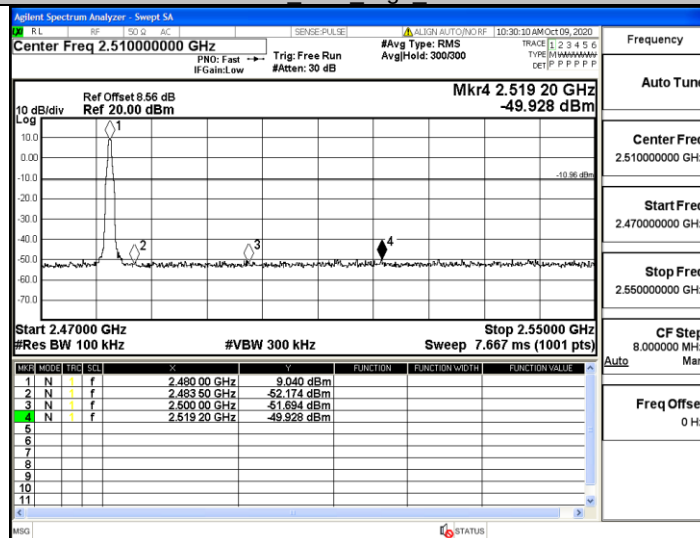
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	9.31	-50.08	<=-10.69	PASS
		High	2480	9.04	-49.93	<=-10.96	PASS
		Low	Hop_2402	8.70	-51.19	<=-11.3	PASS
		High	Hop_2480	8.90	-49.67	<=-11.1	PASS
2DH5	Ant1	Low	2402	8.29	-50.59	<=-11.72	PASS
		High	2480	7.14	-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

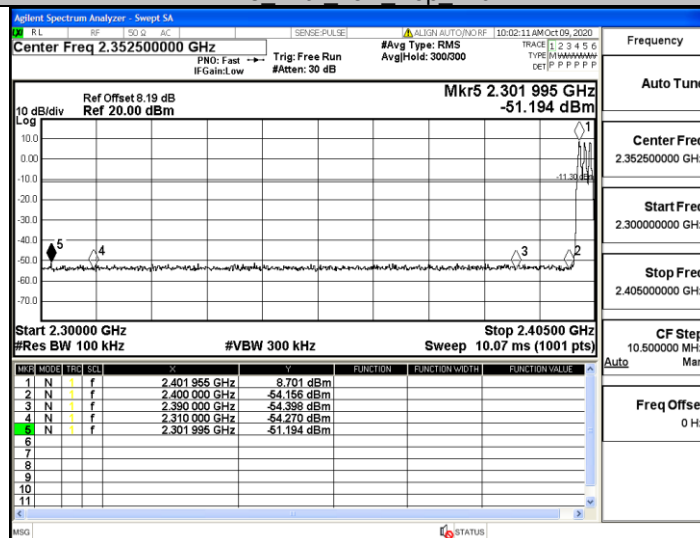
DH5_Ant1_Low_2402



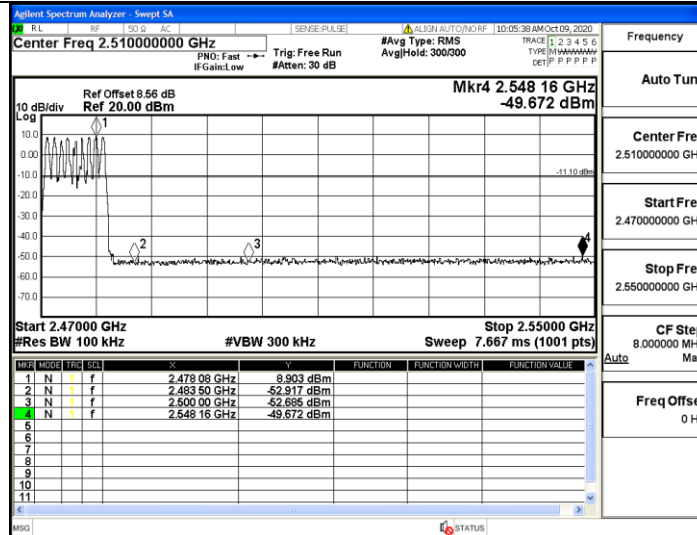
DH5_Ant1_High_2480



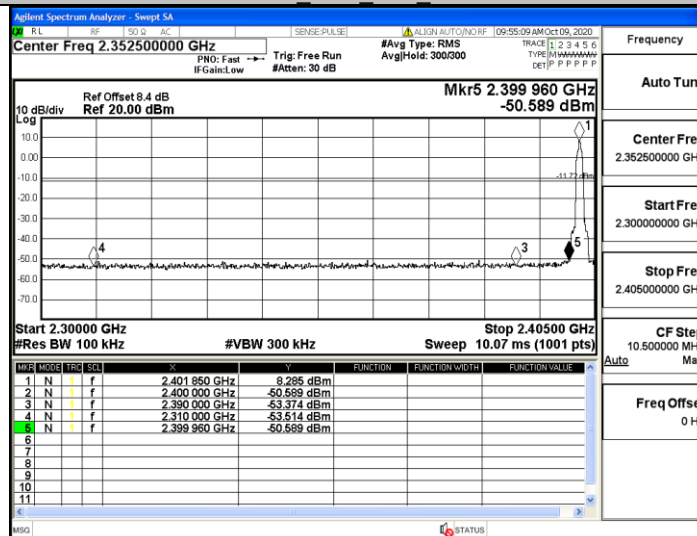
DH5_Ant1_Low_Hop_2402



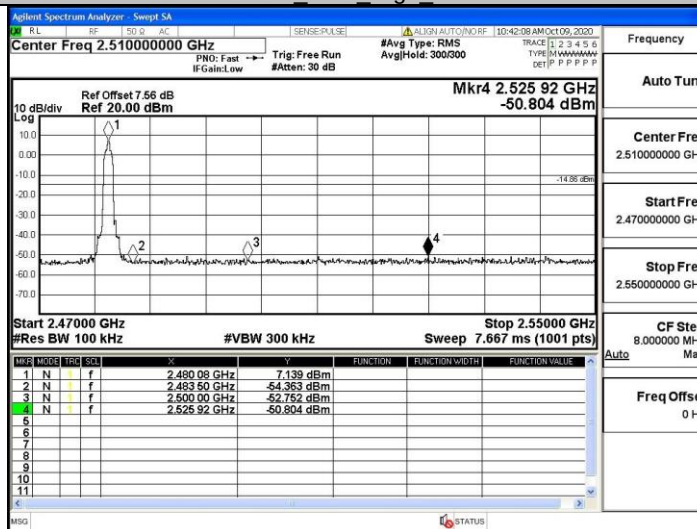
DH5_Ant1_High_Hop_2480



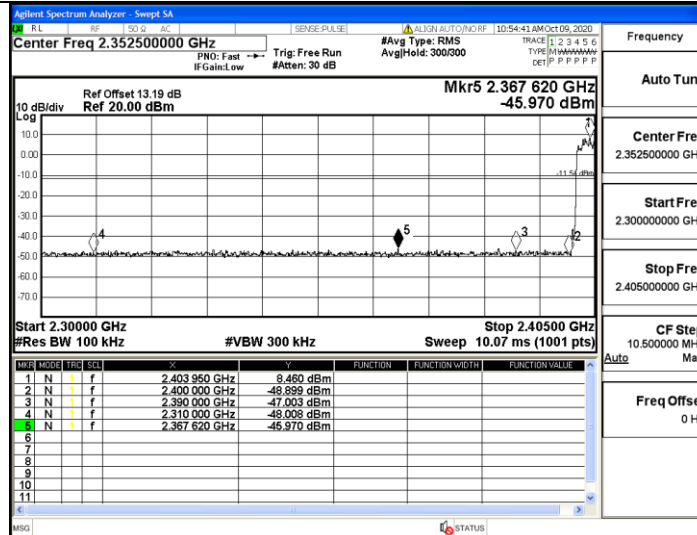
2DH5 Ant1 Low 2402



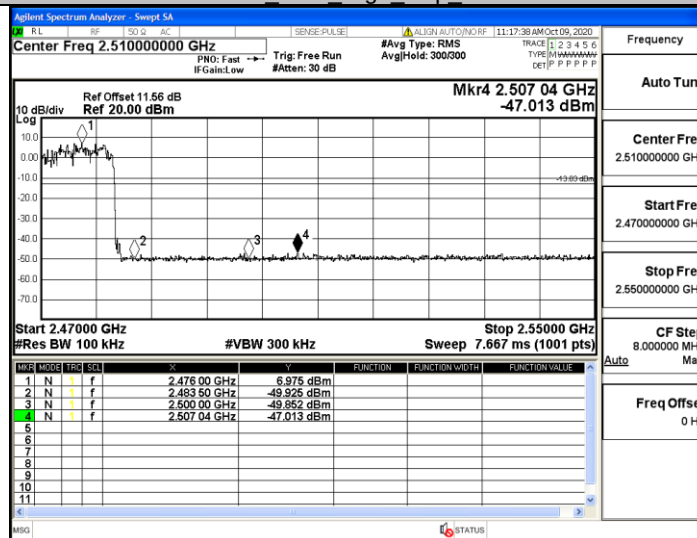
2DH5 Ant1 High 2480



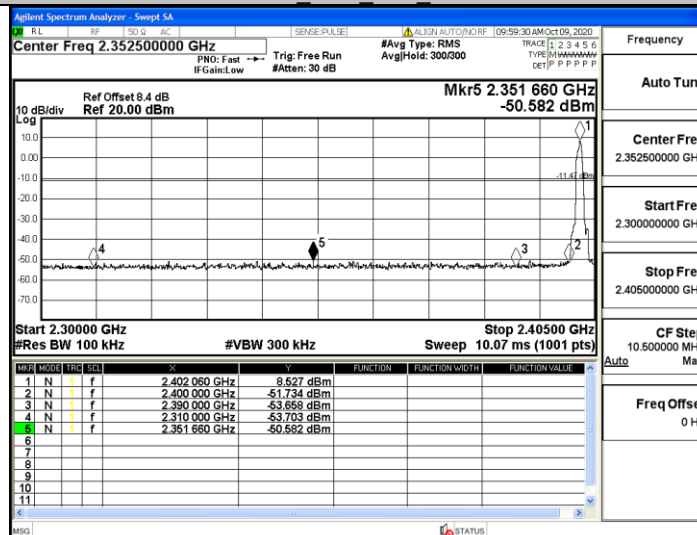
2DH5 Ant1 Low Hop 2402



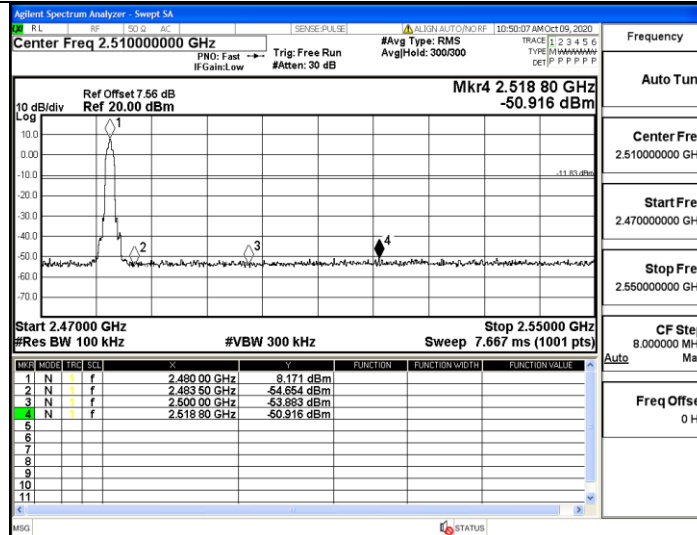
2DH5 Ant1 High Hop 2480



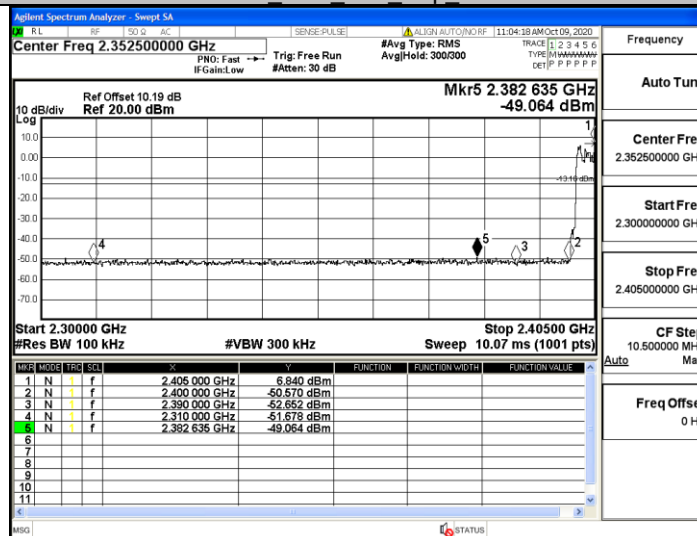
3DH5 Ant1 Low 2402



3DH5 Ant1 High 2480



3DH5 Ant1 Low Hop 2402



3DH5 Ant1 High Hop 2480

