



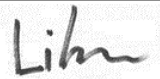
Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: IP Phone

Test Model: UC921E

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Mark Chen
Supervised by:	 Li Huan



A.1 20dB Emission Bandwidth

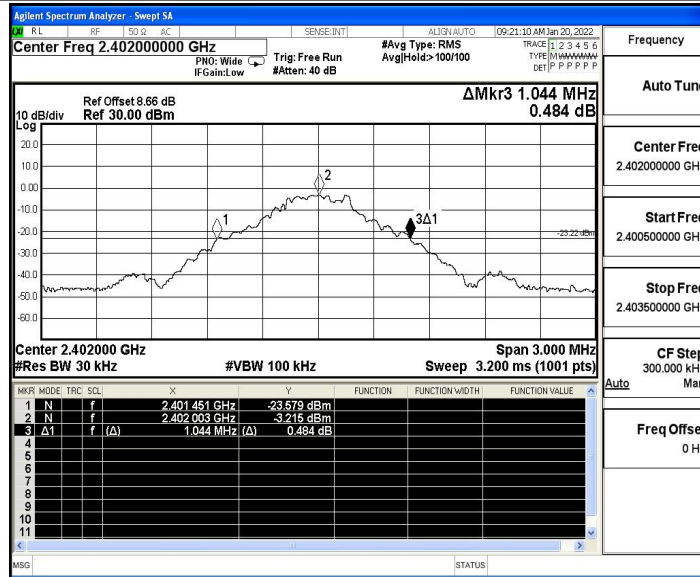
Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.044	2401.451	2402.495	---	---
		2441	1.035	2440.463	2441.498	---	---
		2480	1.020	2479.469	2480.489	---	---
2DH5	Ant1	2402	1.299	2401.352	2402.651	---	---
		2441	1.287	2440.355	2441.642	---	---
		2480	1.314	2479.331	2480.645	---	---
3DH5	Ant1	2402	1.290	2401.343	2402.633	---	---
		2441	1.290	2440.343	2441.633	---	---
		2480	1.287	2479.343	2480.630	---	---

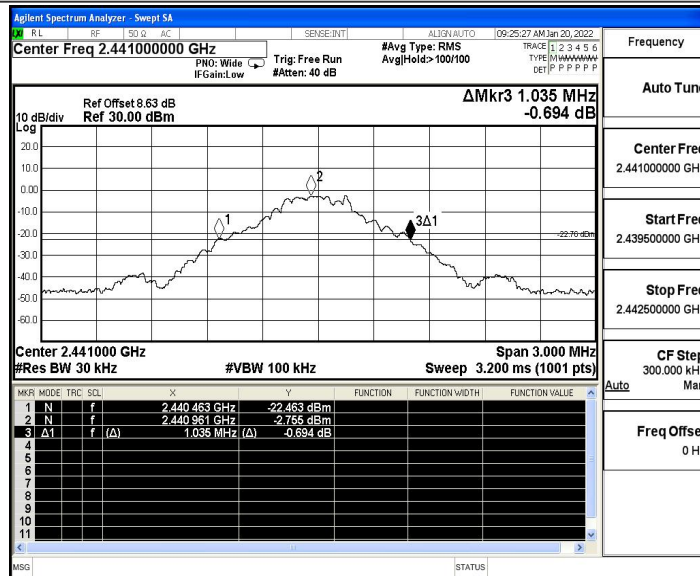


Test Graphs

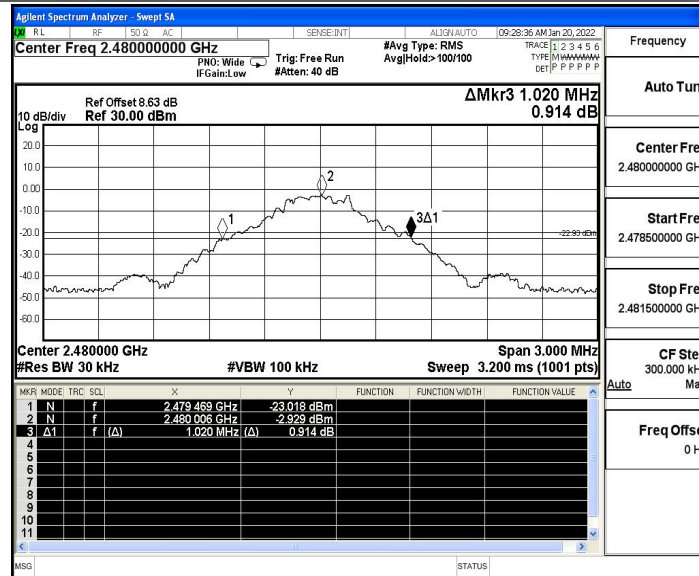
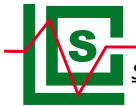
DH5_Ant1_2402



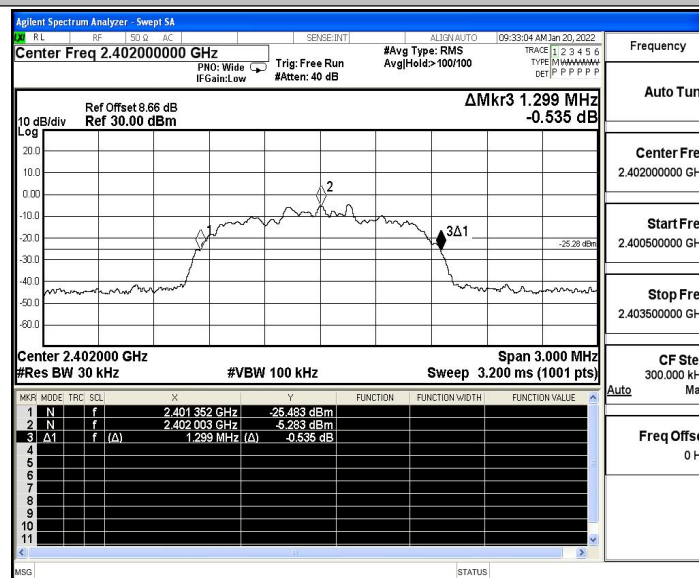
DH5_Ant1_2441



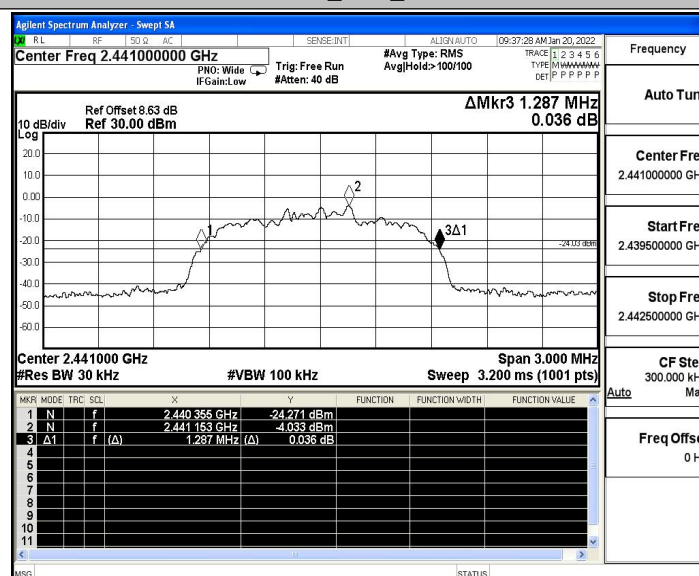
DH5_Ant1_2480



2DH5_Ant1_2402

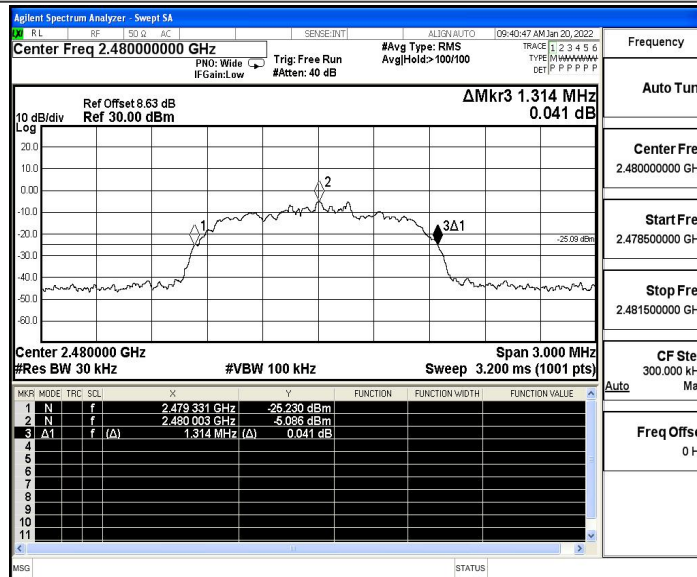


2DH5_Ant1_2441

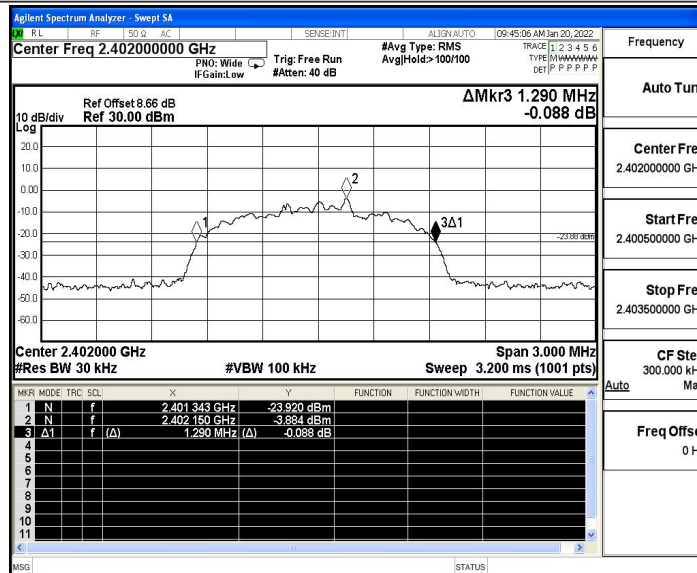




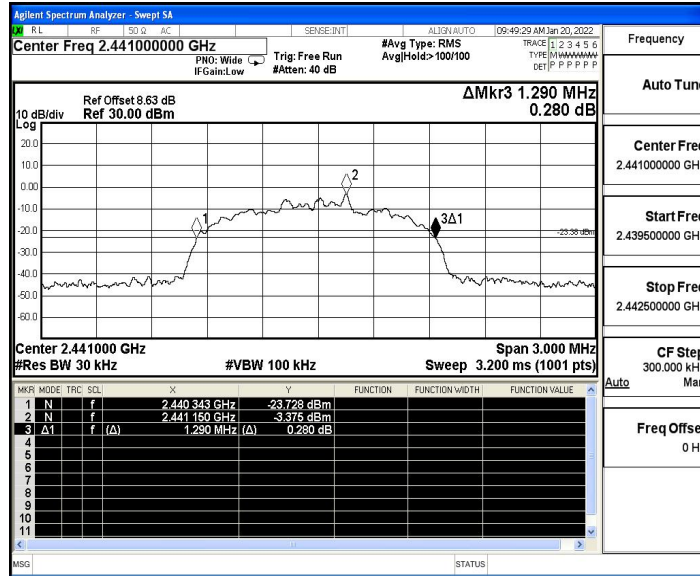
2DH5_Ant1_2480



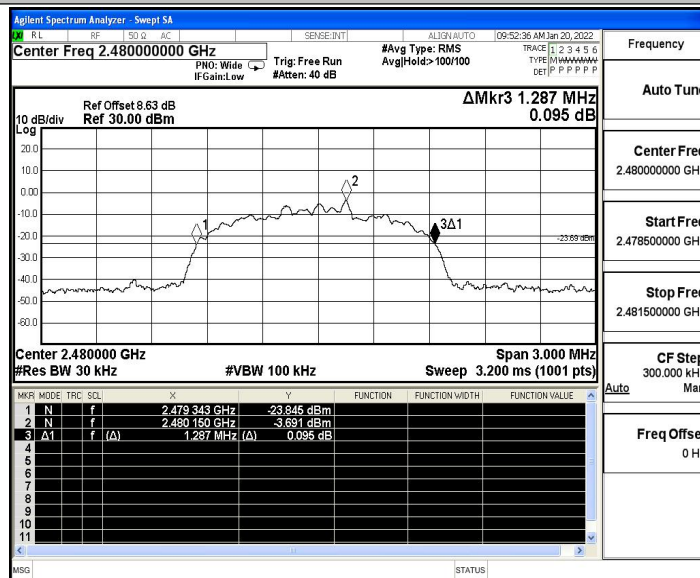
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.2 Maximum peak conducted output power

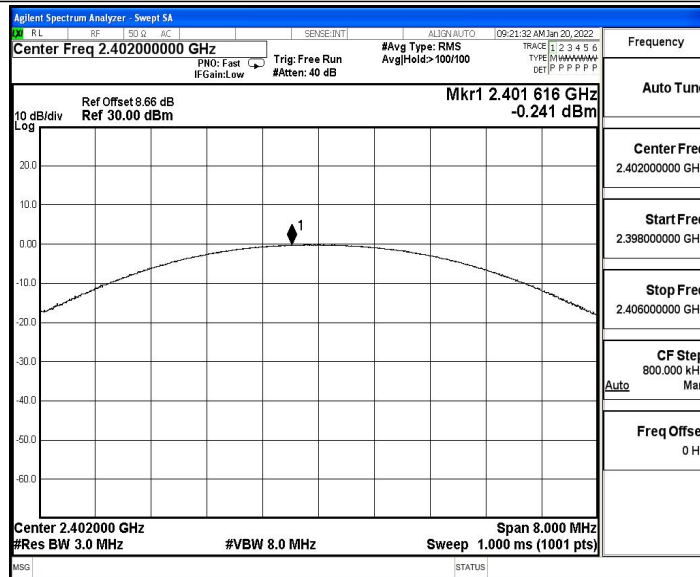
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.24	≤ 20.97	PASS
		2441	0.34	≤ 20.97	PASS
		2480	0.03	≤ 20.97	PASS
2DH5	Ant1	2402	-0.53	≤ 20.97	PASS
		2441	0.08	≤ 20.97	PASS
		2480	-0.28	≤ 20.97	PASS
3DH5	Ant1	2402	-0.4	≤ 20.97	PASS
		2441	0.15	≤ 20.97	PASS
		2480	-0.14	≤ 20.97	PASS

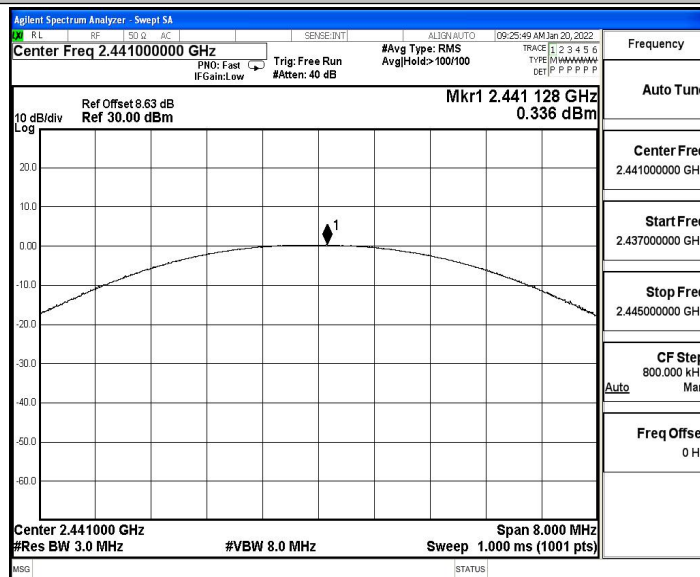


Test Graphs

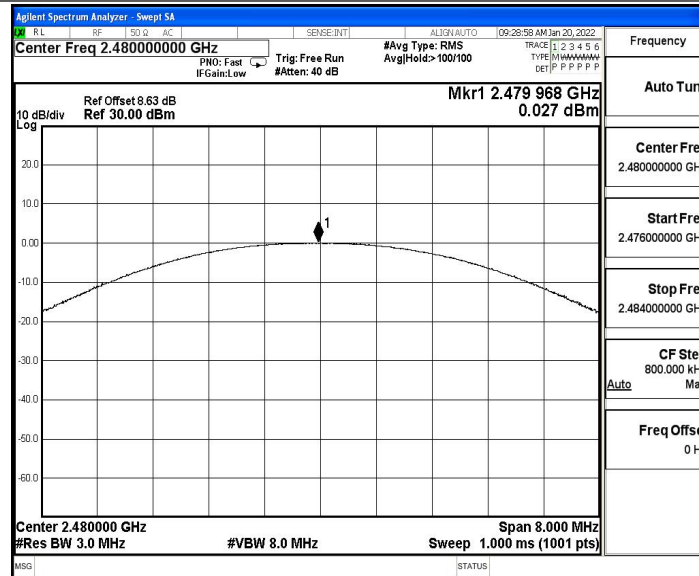
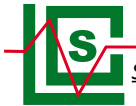
DH5_Ant1_2402



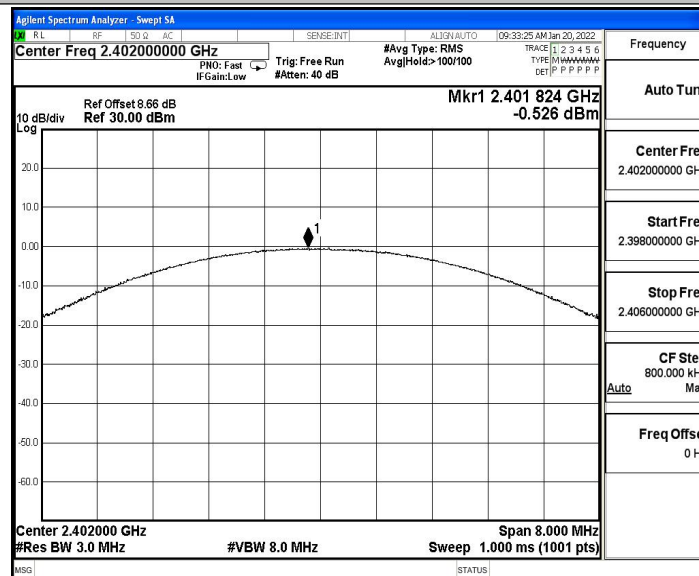
DH5_Ant1_2441



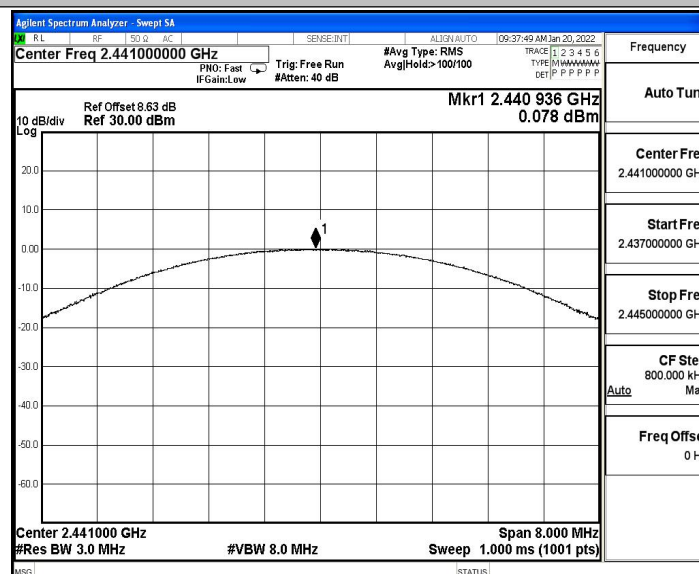
DH5_Ant1_2480



2DH5_Ant1_2402

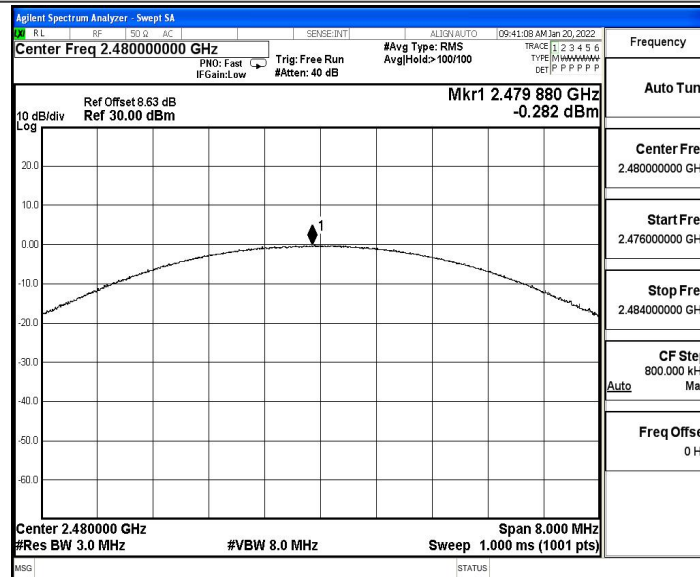


2DH5_Ant1_2441

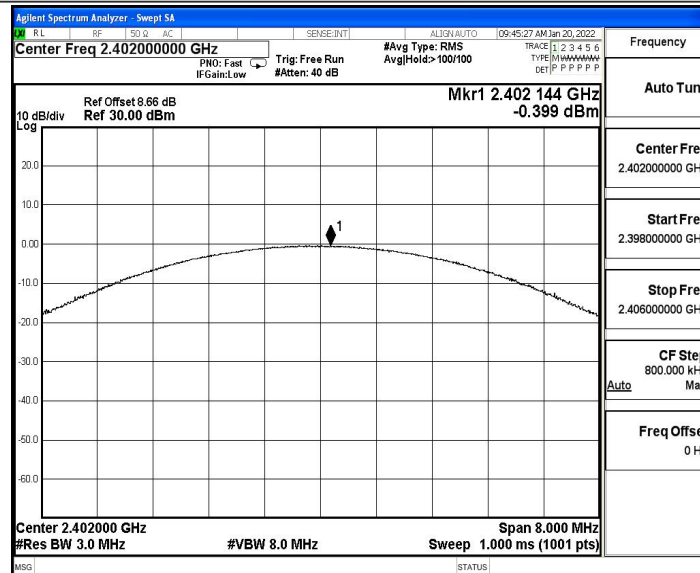




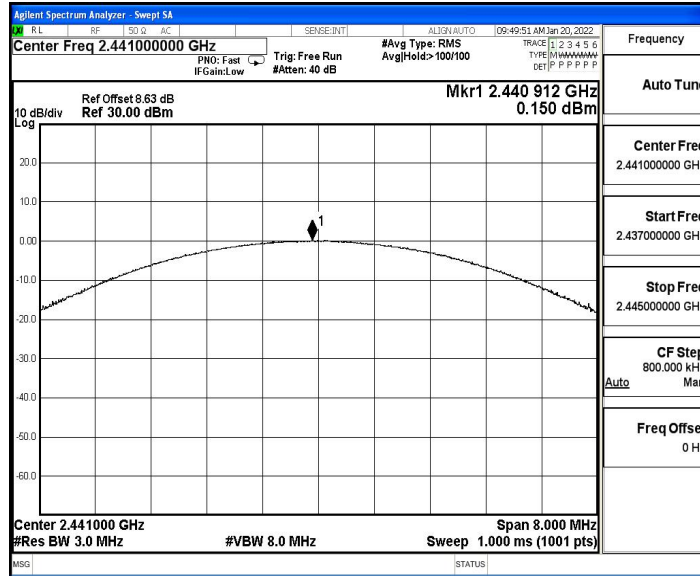
2DH5_Ant1_2480



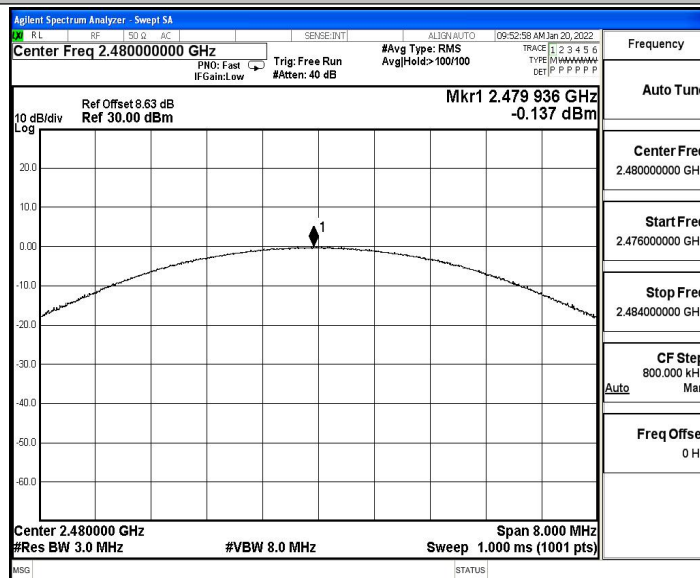
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480





A.3 Carrier frequency separation

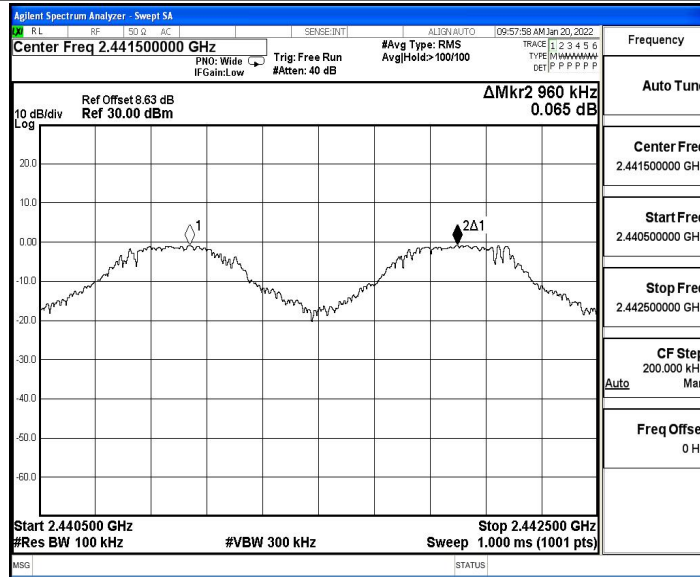
Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.96	≥ 0.696	PASS
2DH5	Ant1	Hop	1.19	≥ 0.876	PASS
3DH5	Ant1	Hop	1.124	≥ 0.860	PASS

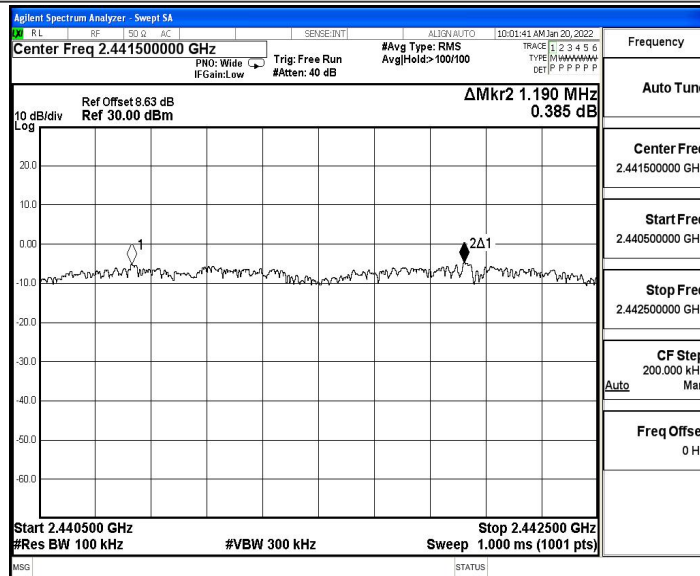


Test Graphs

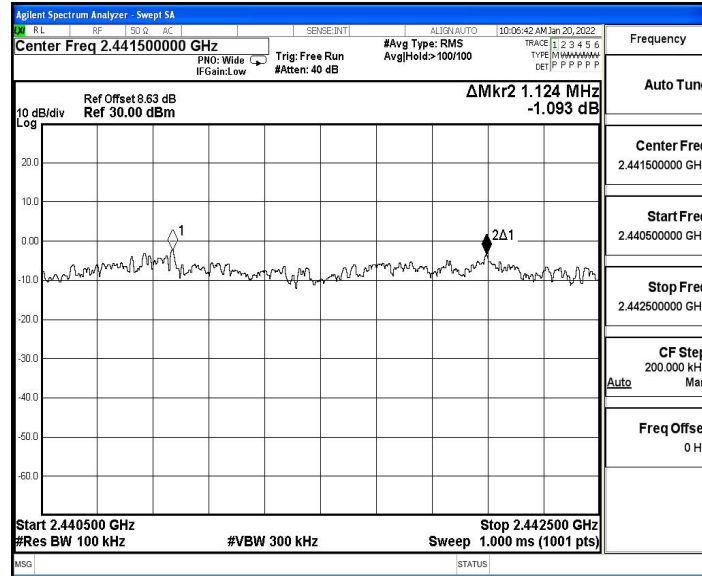
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.4 Time of occupancy

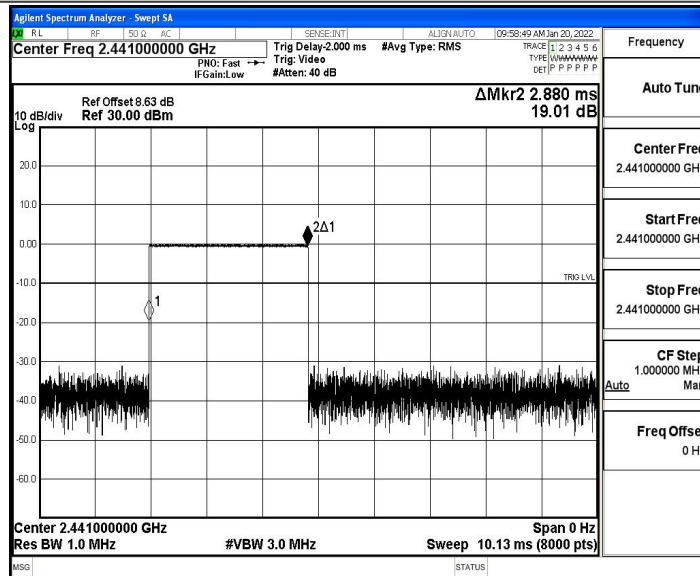
Test Result

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

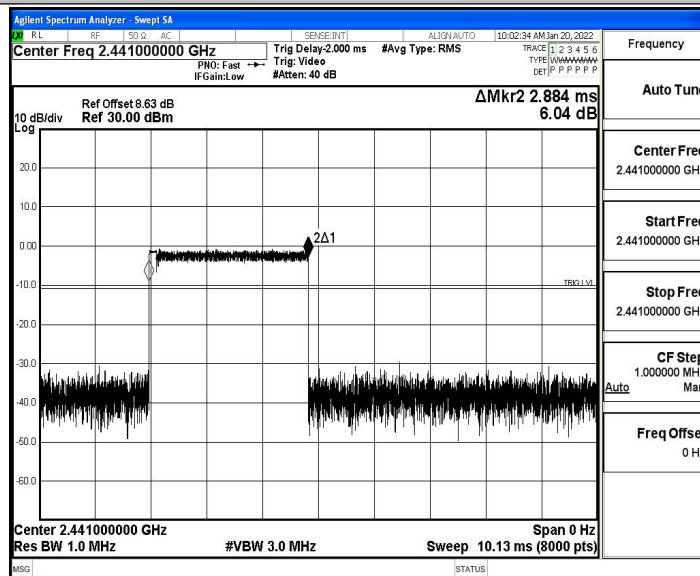


Test Graphs

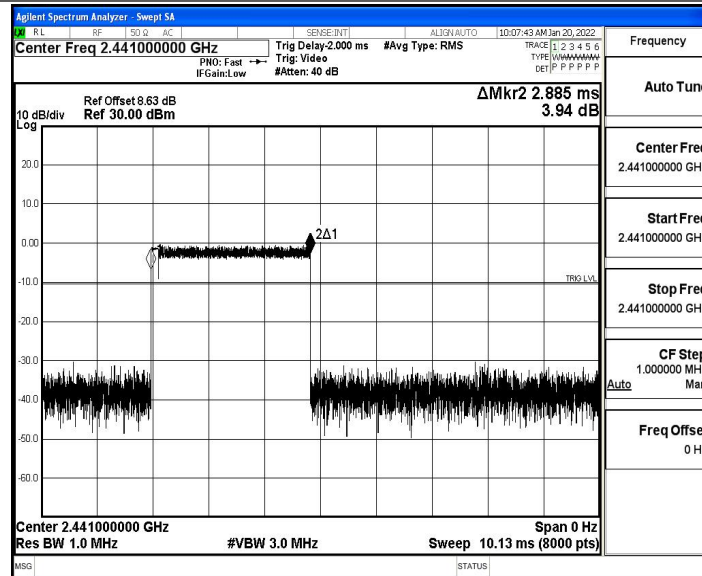
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.5 Number of hopping channels

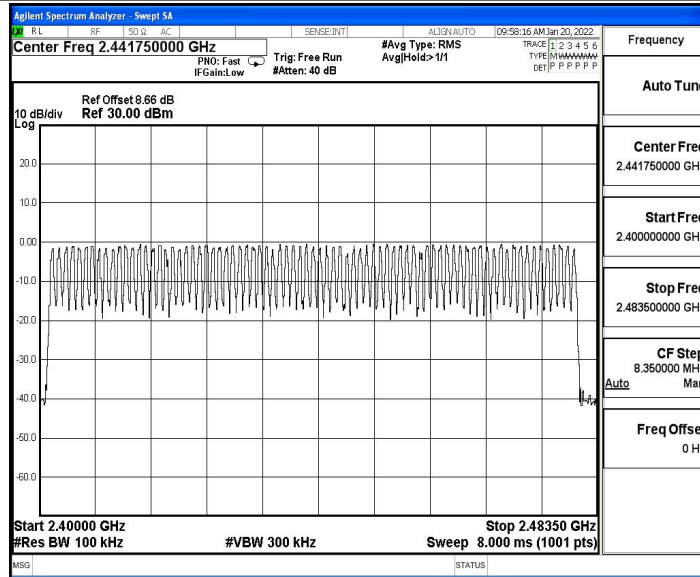
Test Result

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

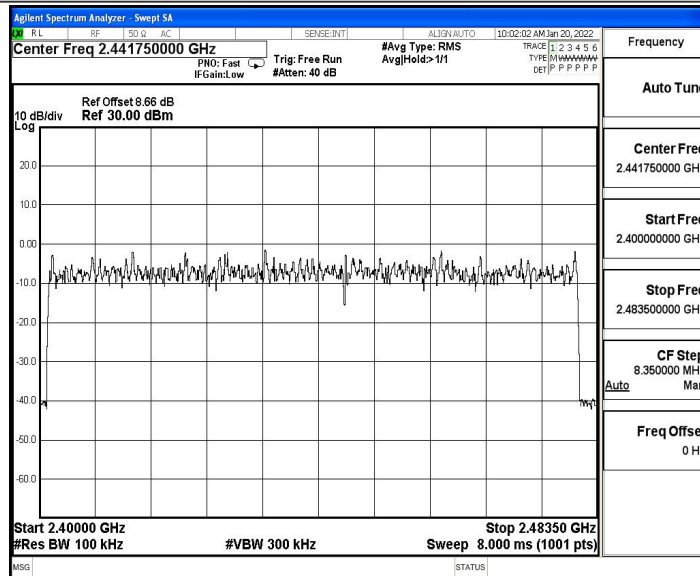


Test Graphs

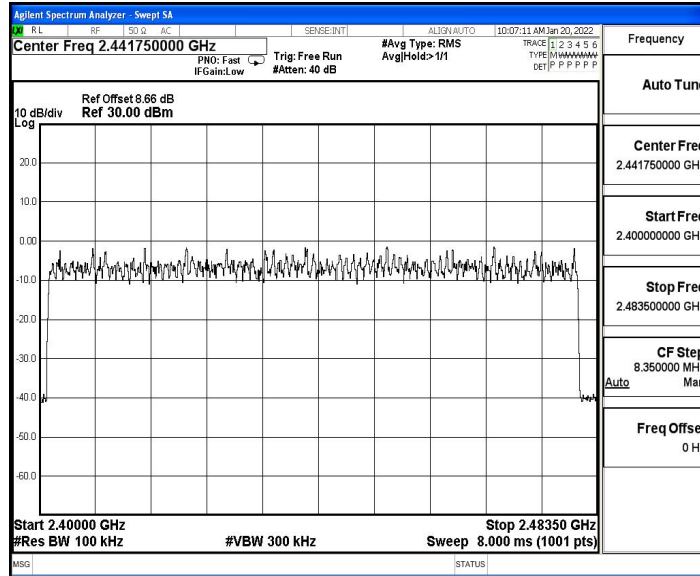
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





A.6 Band edge measurements

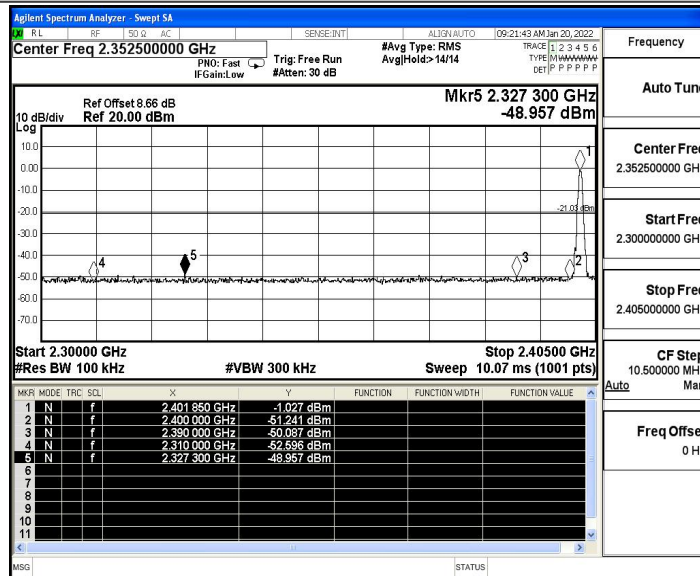
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.03	-48.96	≤ -21.03	PASS
		High	2480	-0.64	-47.72	≤ -20.64	PASS
		Low	Hop_2402	-1.60	-49	≤ -21.6	PASS
		High	Hop_2480	-0.79	-48.53	≤ -20.79	PASS
2DH5	Ant1	Low	2402	-3.67	-49.2	≤ -23.67	PASS
		High	2480	-1.51	-47.73	≤ -21.51	PASS
		Low	Hop_2402	-6.51	-48.92	≤ -26.51	PASS
		High	Hop_2480	-2.43	-48.24	≤ -22.43	PASS
3DH5	Ant1	Low	2402	-1.98	-47.84	≤ -21.98	PASS
		High	2480	-1.48	-47.23	≤ -21.48	PASS
		Low	Hop_2402	-4.69	-49.42	≤ -24.69	PASS
		High	Hop_2480	-1.52	-47.82	≤ -21.52	PASS

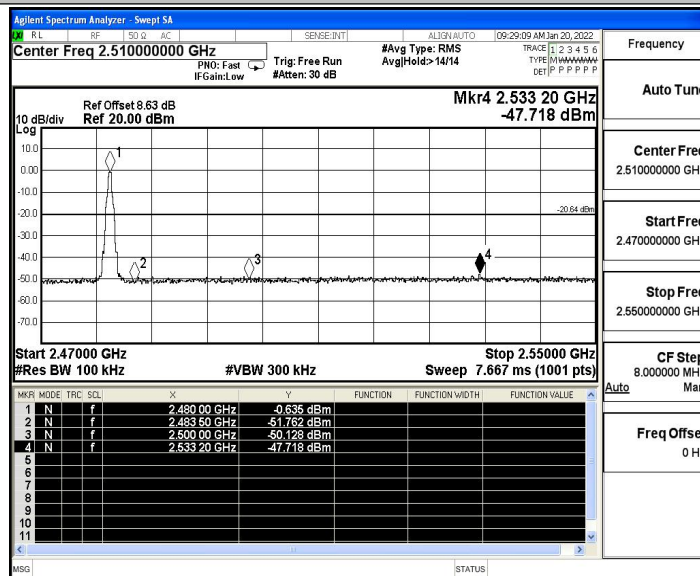


Test Graphs

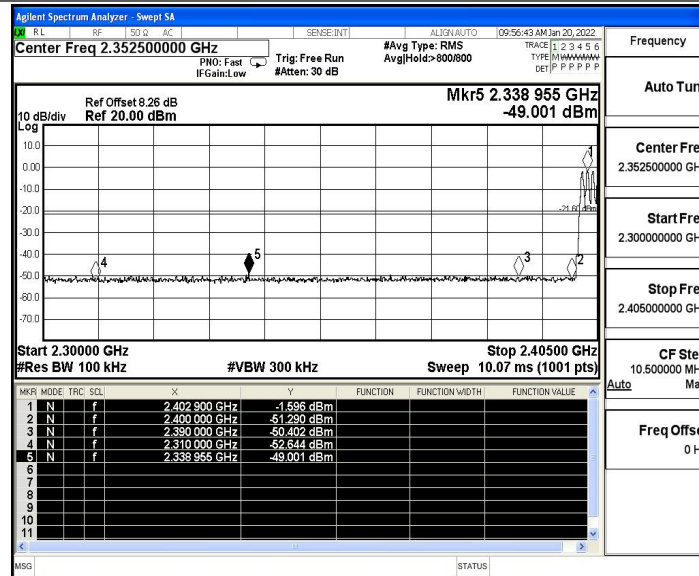
DH5_Ant1_Low_2402



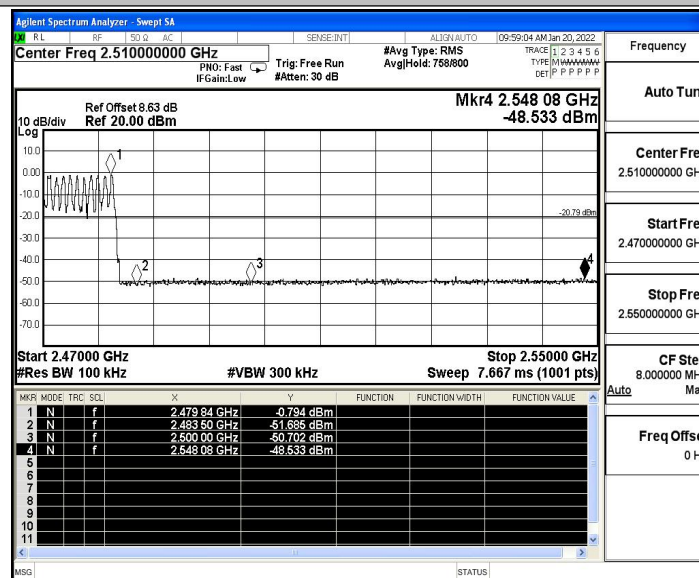
DH5_Ant1_High_2480



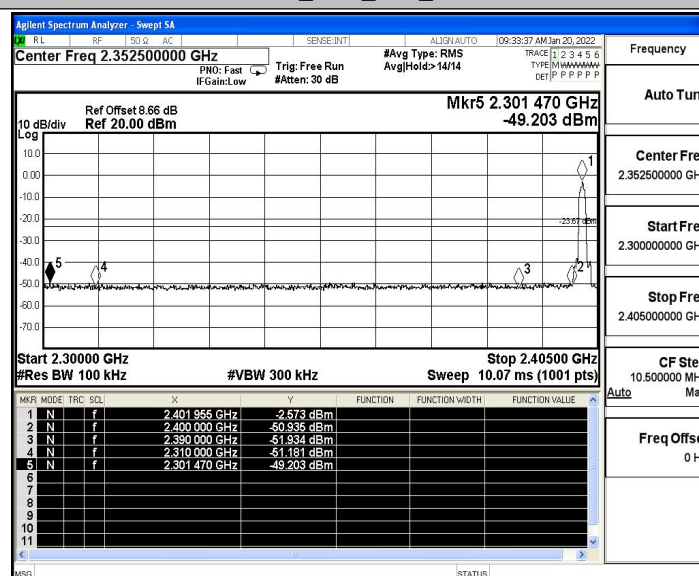
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480

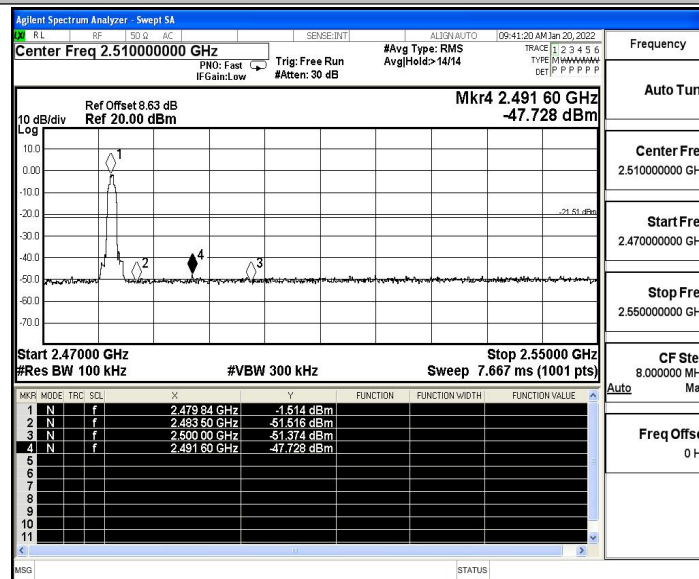


2DH5_Ant1_Low_2402

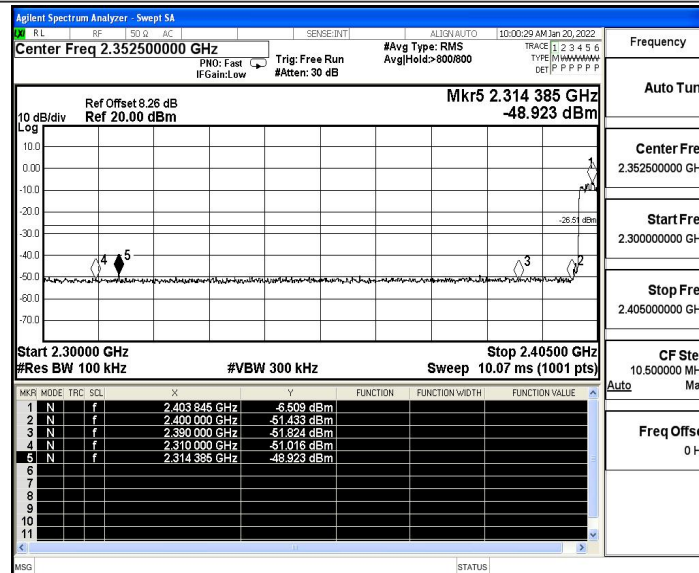




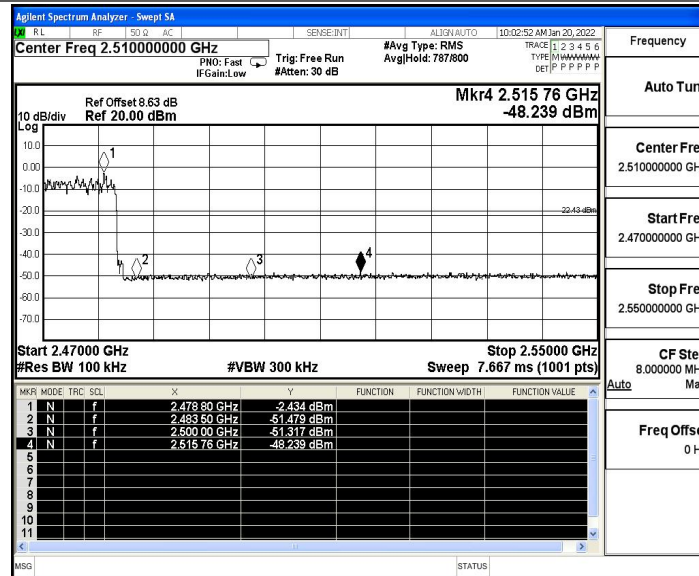
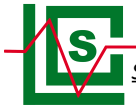
2DH5_Ant1_High_2480



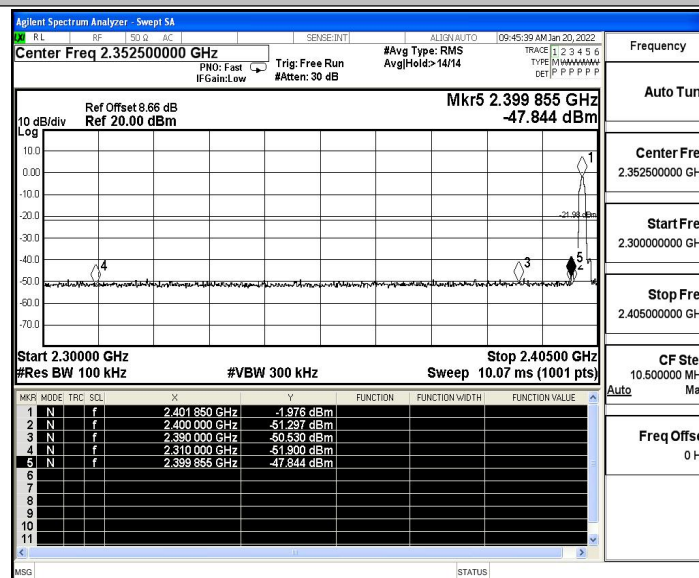
2DH5_Ant1_Low_Hop_2402



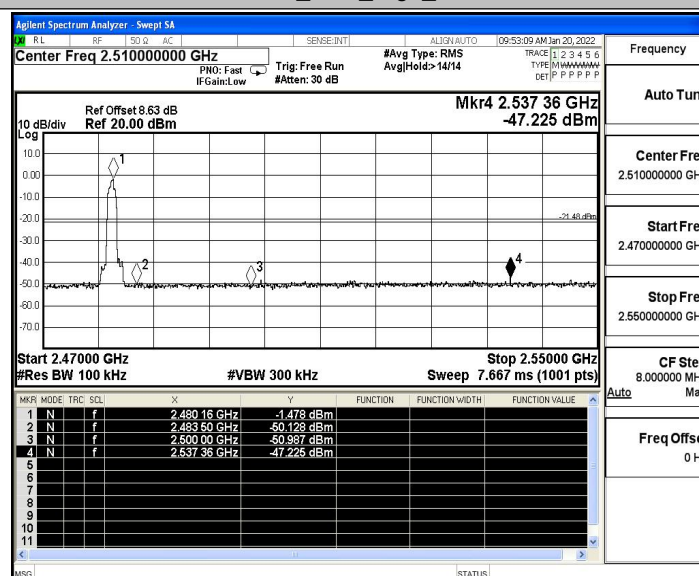
2DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402

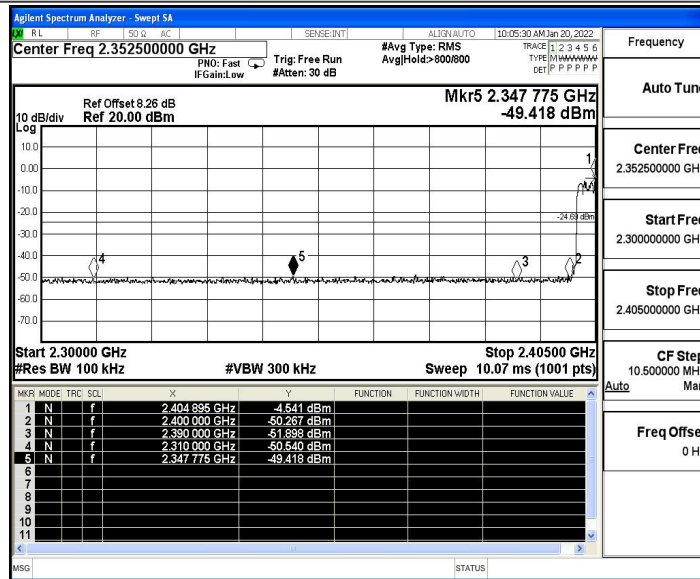


3DH5_Ant1_High_2480

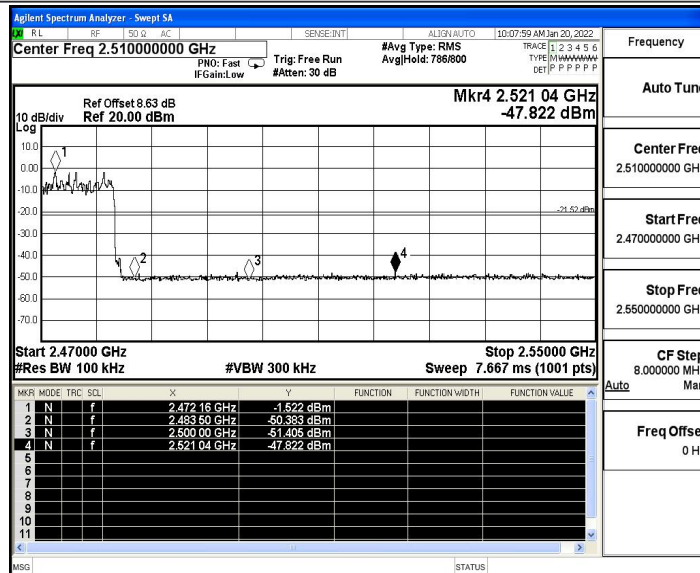


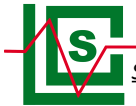


3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480





A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.94	-0.94	---	PASS
			30~1000	-0.94	-60.11	≤ -20.94	PASS
			1000~26500	-0.94	-46.46	≤ -20.94	PASS
		2441	Reference	-0.36	-0.36	---	PASS
			30~1000	-0.36	-60.48	≤ -20.36	PASS
			1000~26500	-0.36	-45.68	≤ -20.36	PASS
		2480	Reference	-0.59	-0.59	---	PASS
			30~1000	-0.59	-60.62	≤ -20.59	PASS
			1000~26500	-0.59	-45.13	≤ -20.59	PASS
2DH5	Ant1	2402	Reference	-1.77	-1.77	---	PASS
			30~1000	-1.77	-60.33	≤ -21.77	PASS
			1000~26500	-1.77	-46.36	≤ -21.77	PASS
		2441	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-60.21	≤ -21.29	PASS
			1000~26500	-1.29	-46.24	≤ -21.29	PASS
		2480	Reference	-1.71	-1.71	---	PASS
			30~1000	-1.71	-60.69	≤ -21.71	PASS
			1000~26500	-1.71	-45.92	≤ -21.71	PASS
3DH5	Ant1	2402	Reference	-1.83	-1.83	---	PASS
			30~1000	-1.83	-60.1	≤ -21.83	PASS
			1000~26500	-1.83	-46.18	≤ -21.83	PASS
		2441	Reference	-1.39	-1.39	---	PASS
			30~1000	-1.39	-60.27	≤ -21.39	PASS
			1000~26500	-1.39	-45.62	≤ -21.39	PASS
		2480	Reference	-1.63	-1.63	---	PASS
			30~1000	-1.63	-60.43	≤ -21.63	PASS
			1000~26500	-1.63	-46.13	≤ -21.63	PASS