



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Buds Live

Test Model: LV08JL

Environmental Conditions

Temperature:	23.4° C
Relative Humidity:	51.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan



A.1 20dB Emission Bandwidth

Test Result

Left Part

TestMode	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	2402	0.948	2401.535	2402.483	---	PASS
	2441	0.912	2440.547	2441.459	---	PASS
	2480	0.963	2479.526	2480.489	---	PASS
2DH5	2402	1.290	2401.361	2402.651	---	PASS
	2441	1.353	2440.325	2441.678	---	PASS
	2480	1.335	2479.328	2480.663	---	PASS
3DH5	2402	1.296	2401.349	2402.645	---	PASS
	2441	1.317	2440.343	2441.660	---	PASS
	2480	1.302	2479.349	2480.651	---	PASS

Right Part

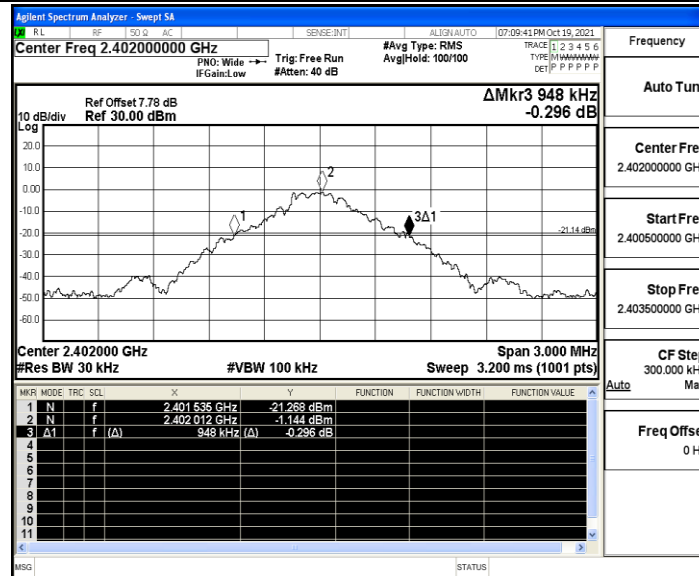
TestMode	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	2402	0.933	2401.541	2402.474	---	PASS
	2441	0.927	2440.544	2441.471	---	PASS
	2480	0.954	2479.532	2480.486	---	PASS
2DH5	2402	1.371	2401.316	2402.687	---	PASS
	2441	1.290	2440.364	2441.654	---	PASS
	2480	1.335	2479.331	2480.666	---	PASS
3DH5	2402	1.332	2401.337	2402.669	---	PASS
	2441	1.353	2440.322	2441.675	---	PASS
	2480	1.311	2479.346	2480.657	---	PASS



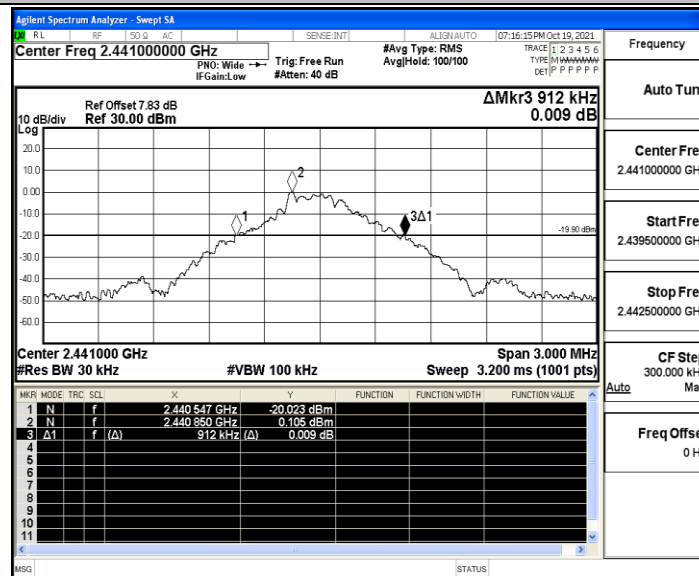
Test Graphs

Left Part

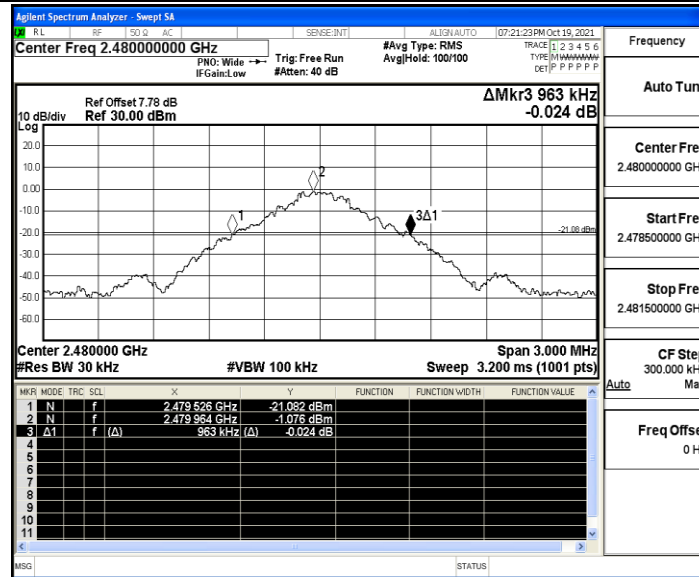
DH5_2402



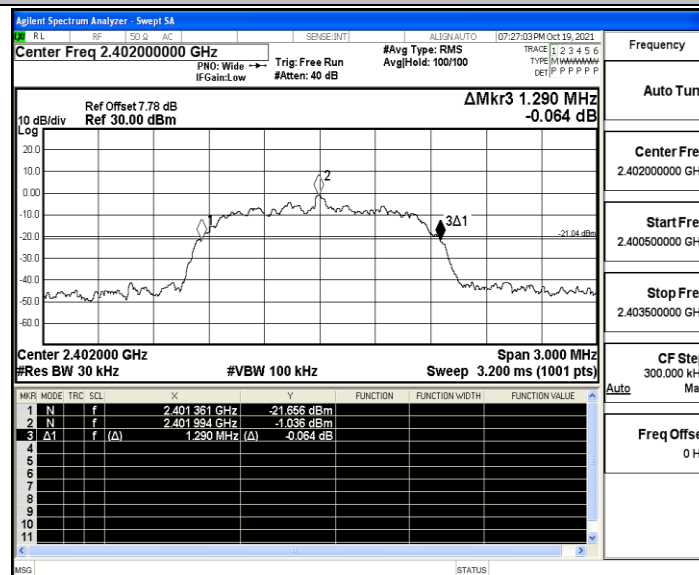
DH5_2441



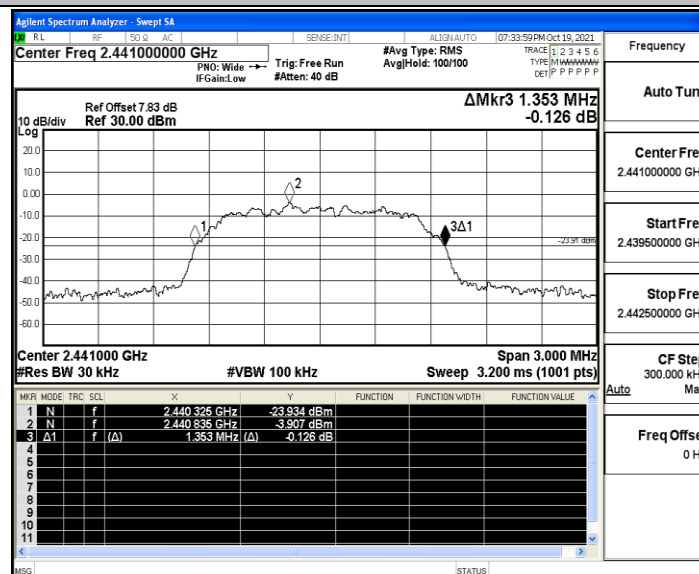
DH5_2480



2DH5_2402

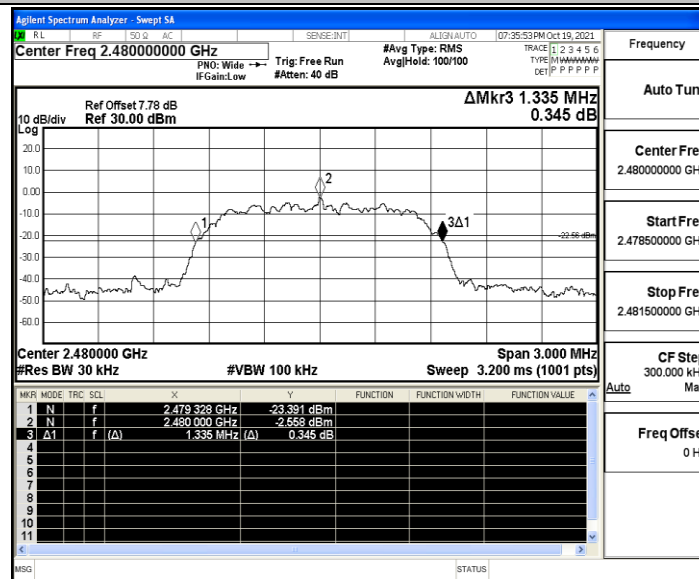


2DH5_2441

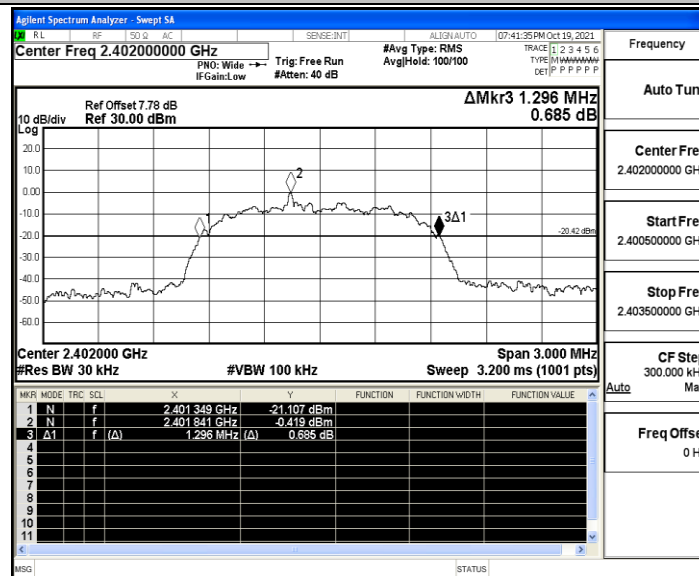




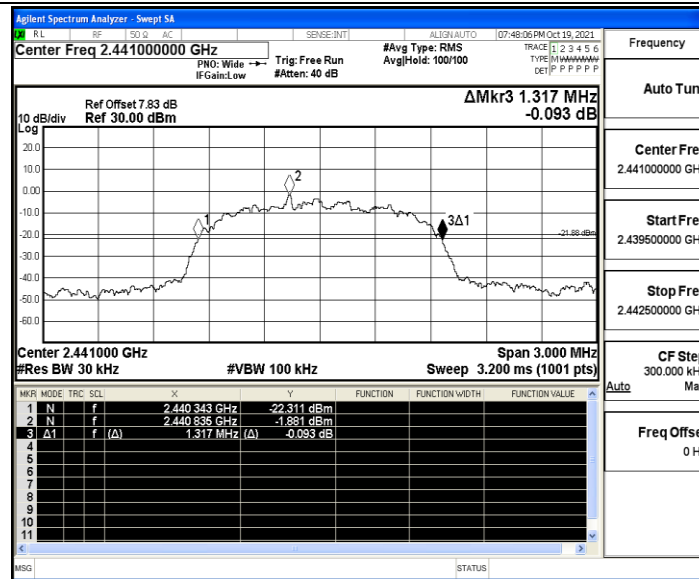
2DH5_2480



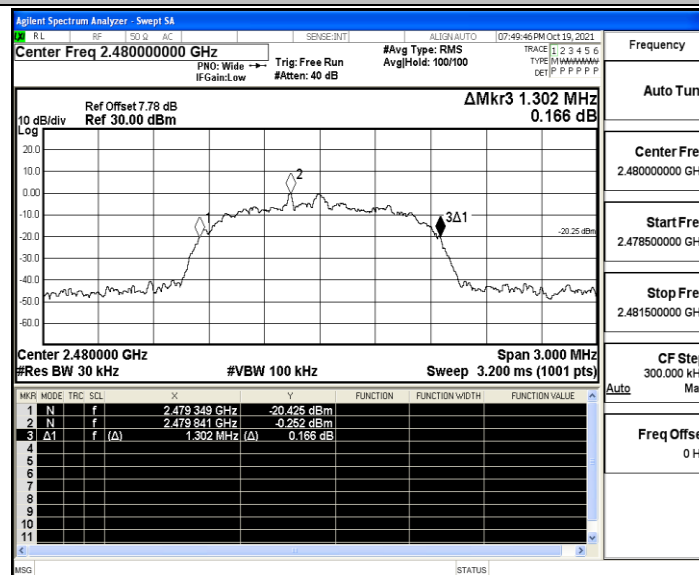
3DH5_2402



3DH5_2441

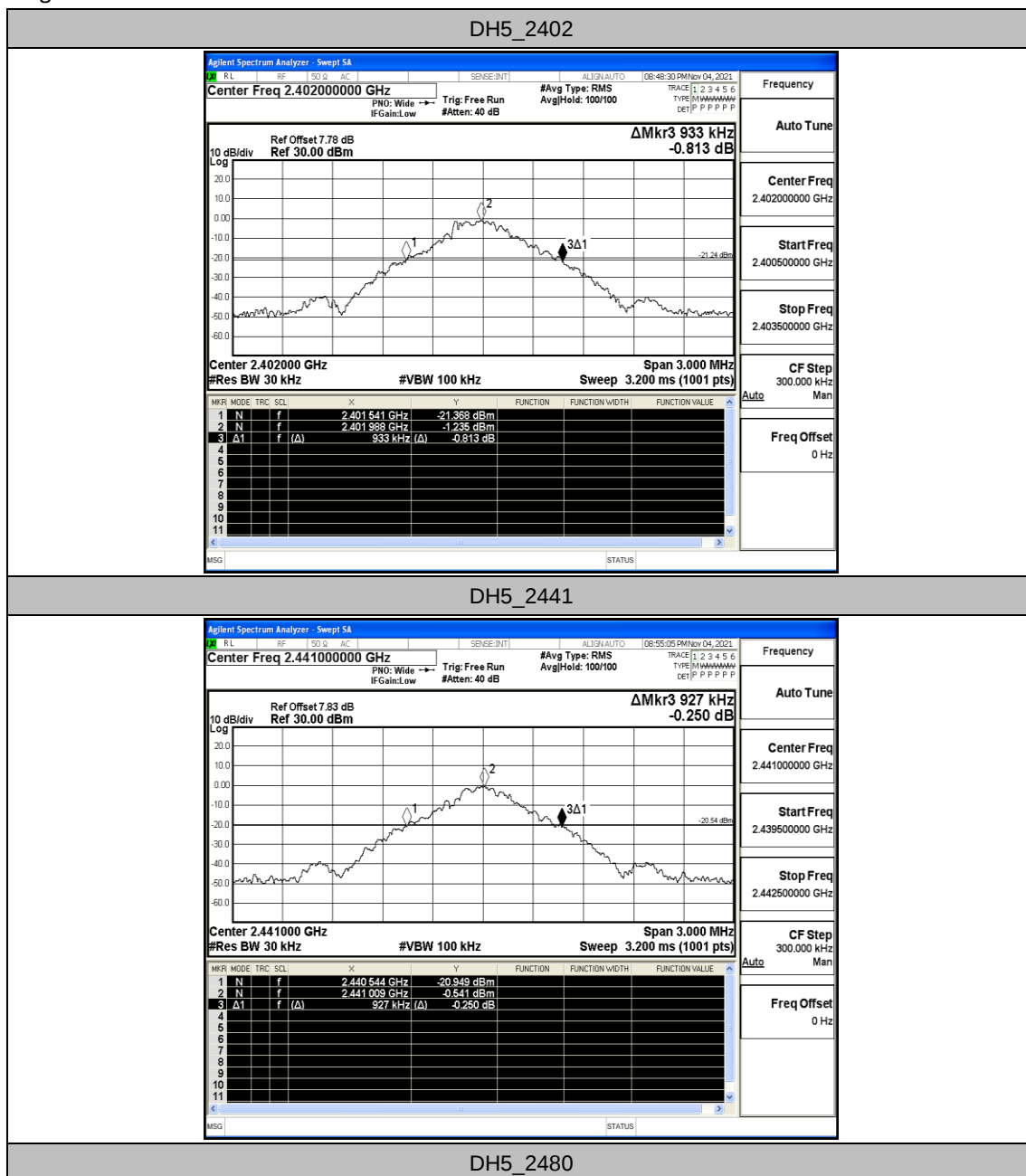


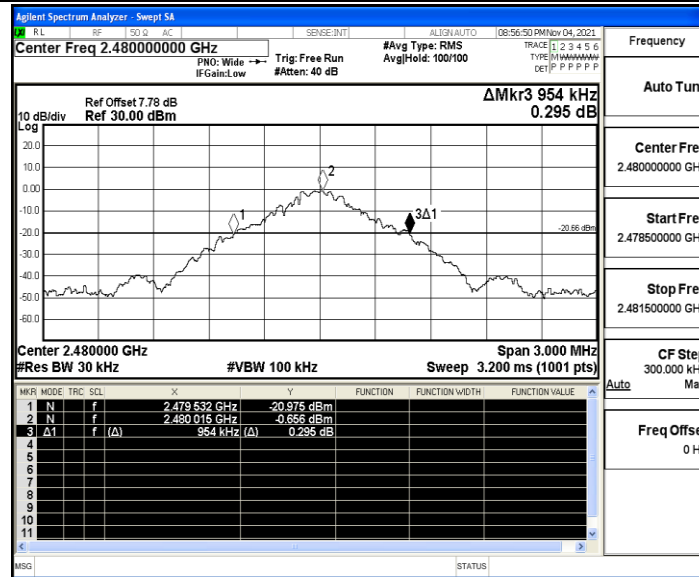
3DH5_2480



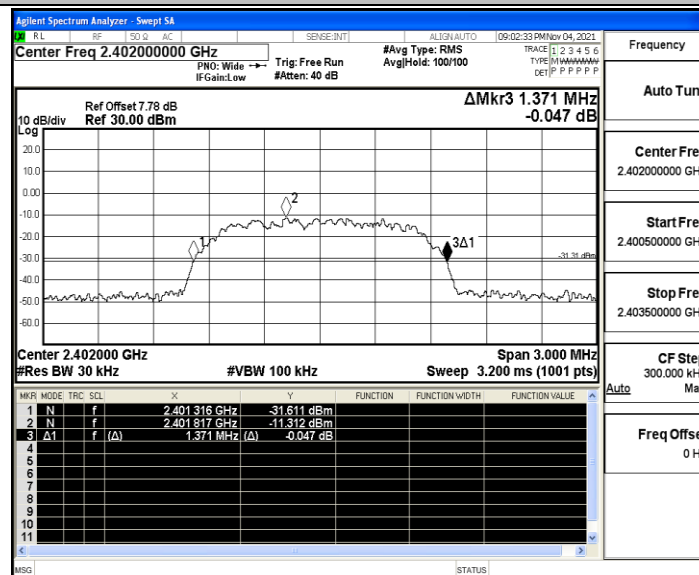


Right Part

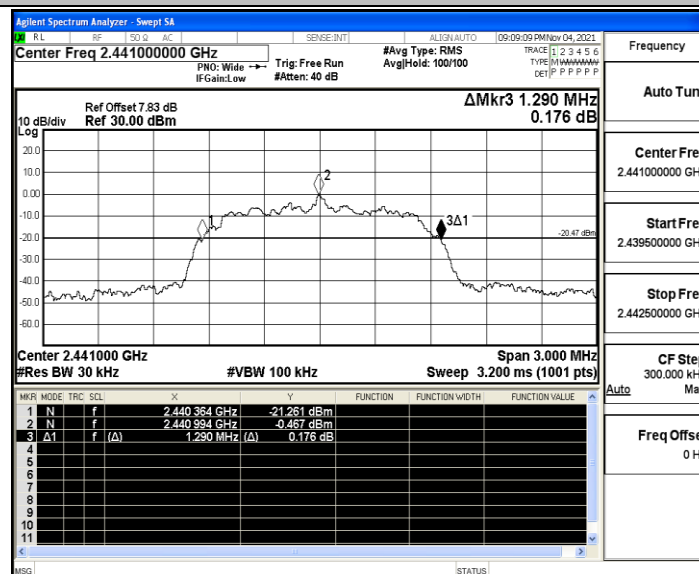




2DH5_2402

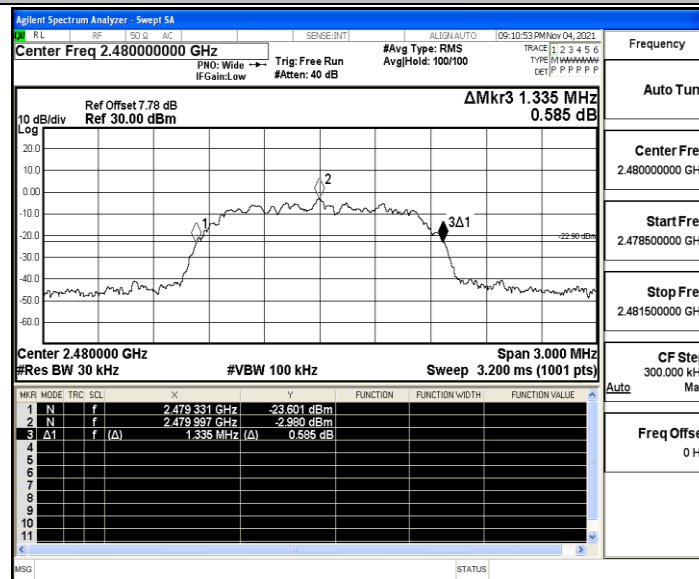


2DH5_2441

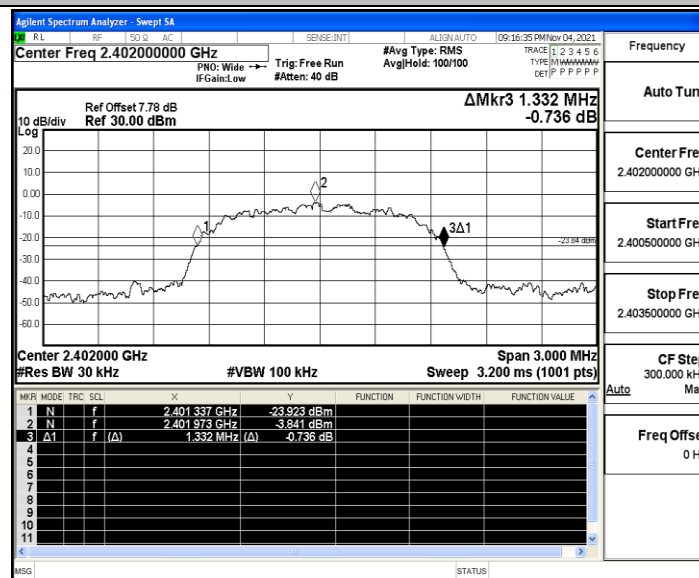




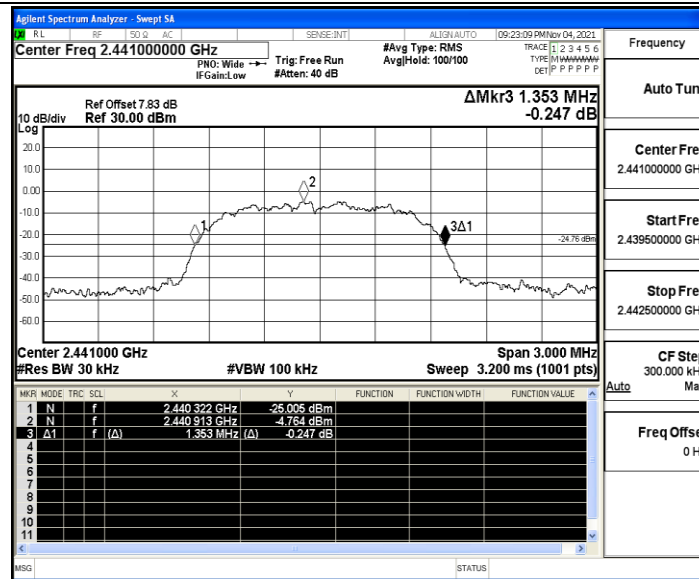
2DH5_2480



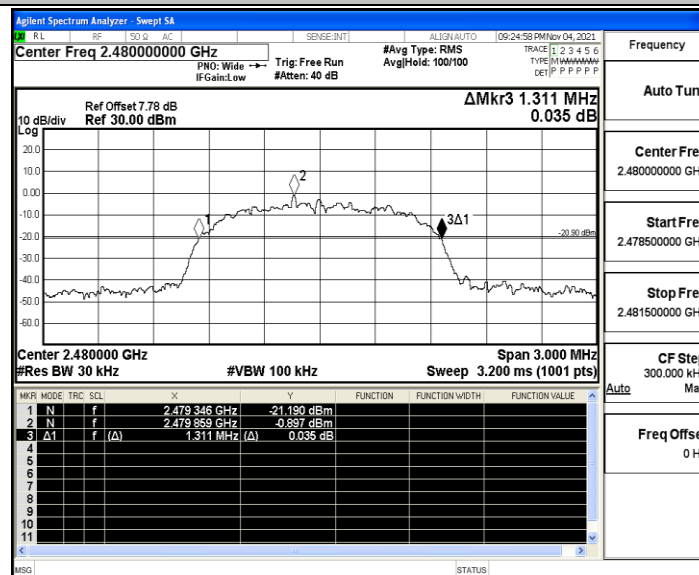
3DH5_2402



3DH5_2441



3DH5_2480





A.2 Maximum conducted output power

Test Result

Left Part

TestMode	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	2402	1.63	≤20.97	PASS
	2441	1.96	≤20.97	PASS
	2480	2.21	≤20.97	PASS
2DH5	2402	1.9	≤20.97	PASS
	2441	2.16	≤20.97	PASS
	2480	1.5	≤20.97	PASS
3DH5	2402	2.31	≤20.97	PASS
	2441	2.51	≤20.97	PASS
	2480	2.81	≤20.97	PASS

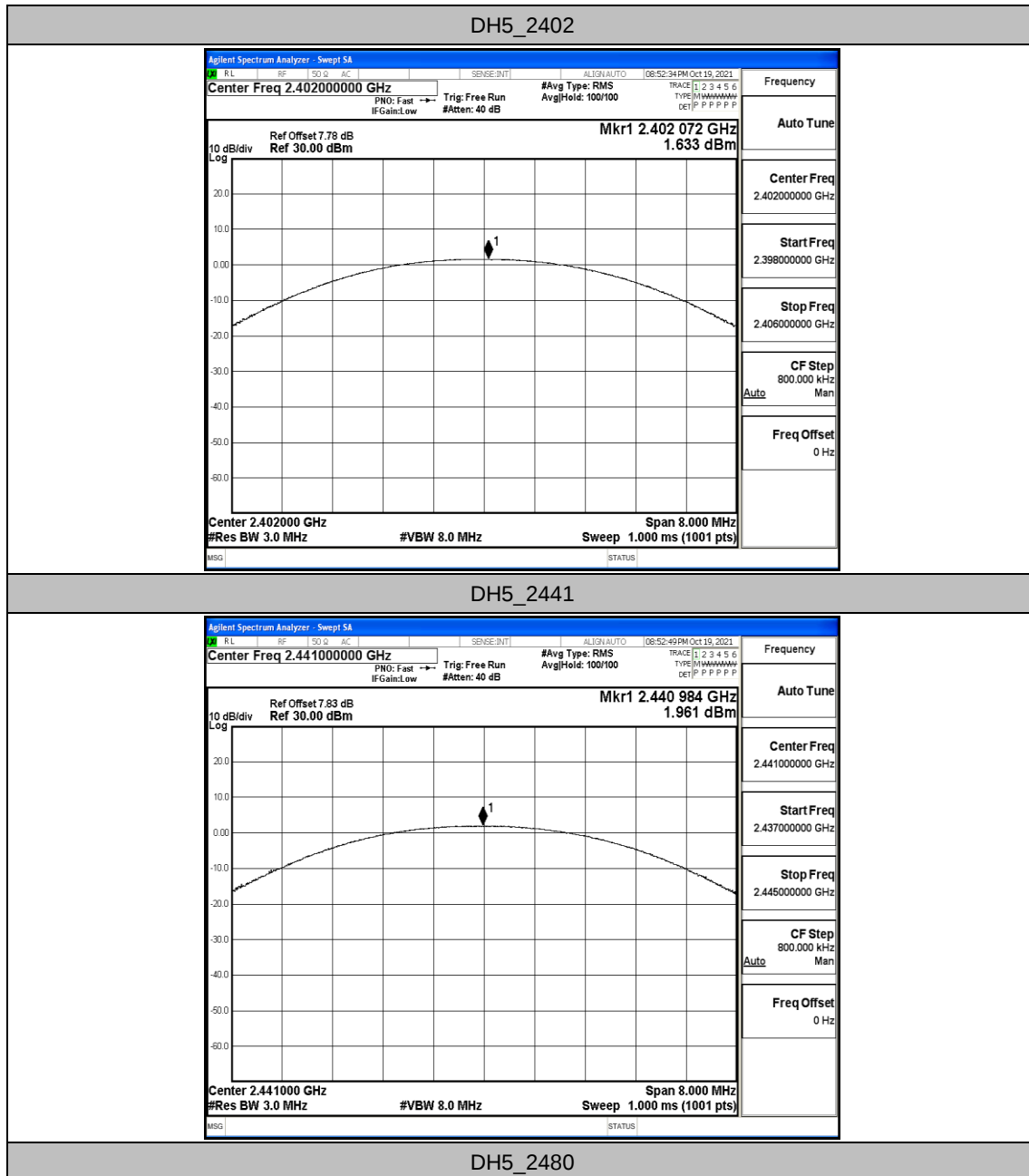
Right Part

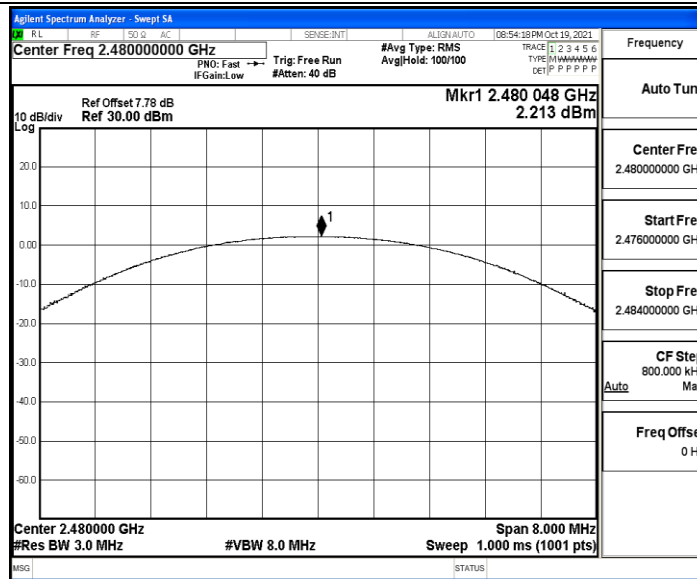
TestMode	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	2402	1.69	≤20.97	PASS
	2441	1.85	≤20.97	PASS
	2480	2.11	≤20.97	PASS
2DH5	2402	1.96	≤20.97	PASS
	2441	2.1	≤20.97	PASS
	2480	2.12	≤20.97	PASS
3DH5	2402	2.27	≤20.97	PASS
	2441	1.79	≤20.97	PASS
	2480	1.97	≤20.97	PASS



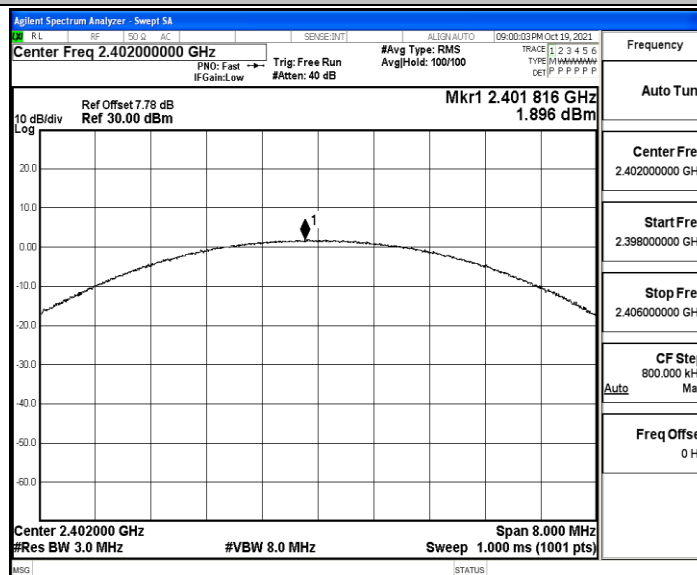
Test Graphs

Left Part

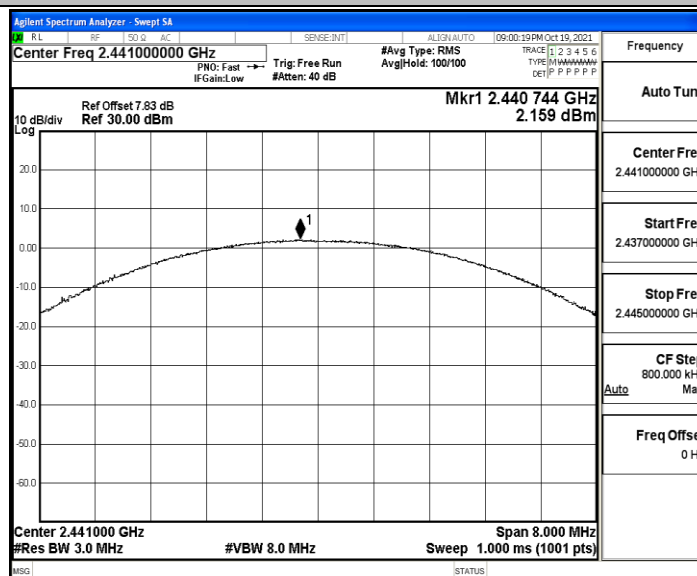




2DH5_2402

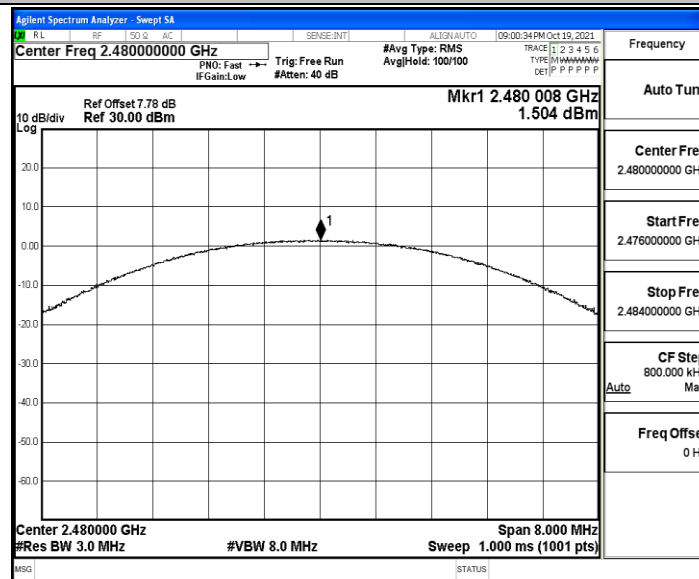


2DH5_2441

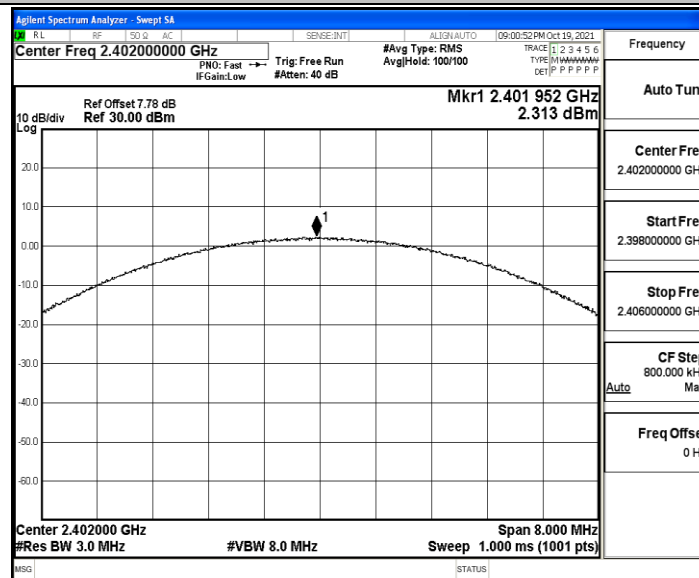




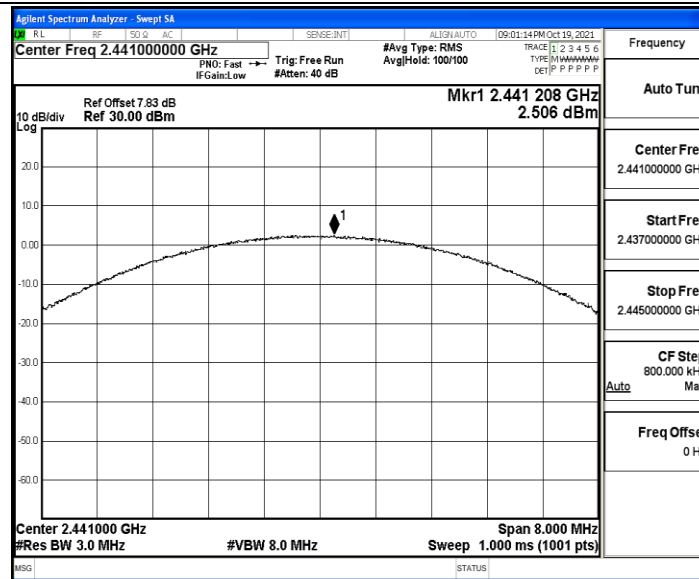
2DH5_2480



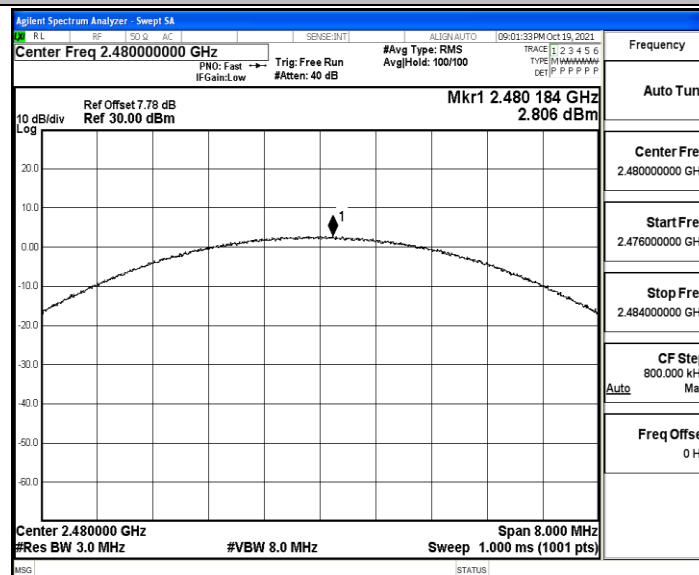
3DH5_2402



3DH5_2441



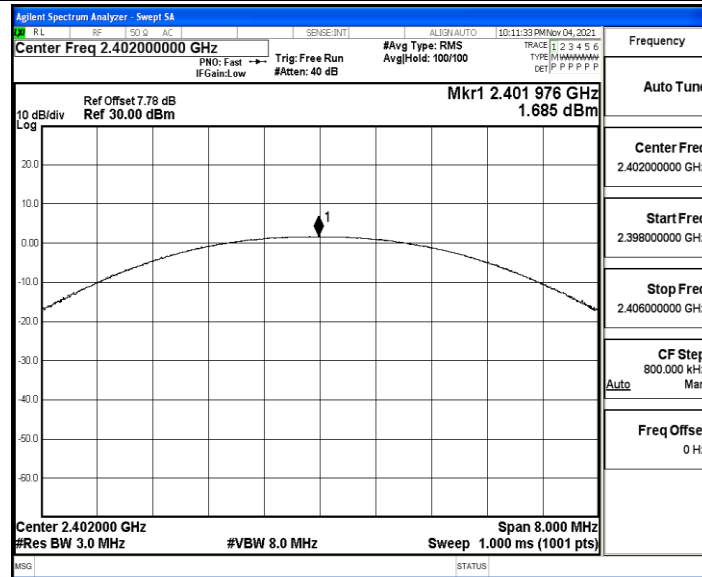
3DH5_2480



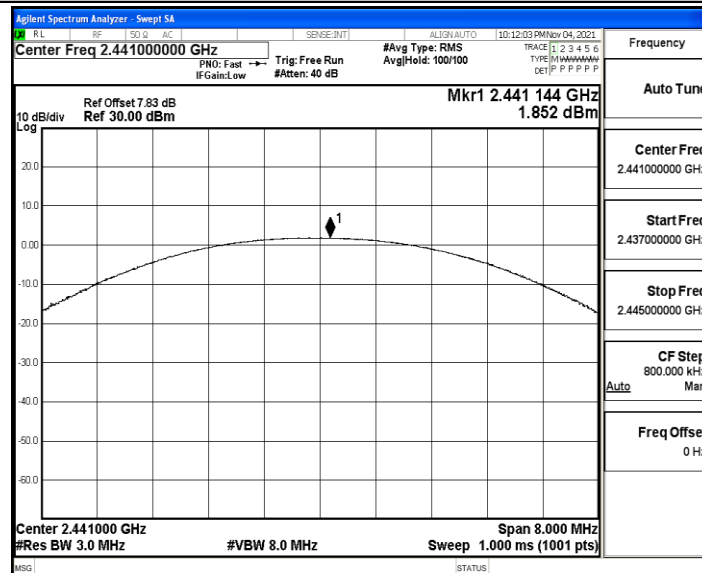


Right Part

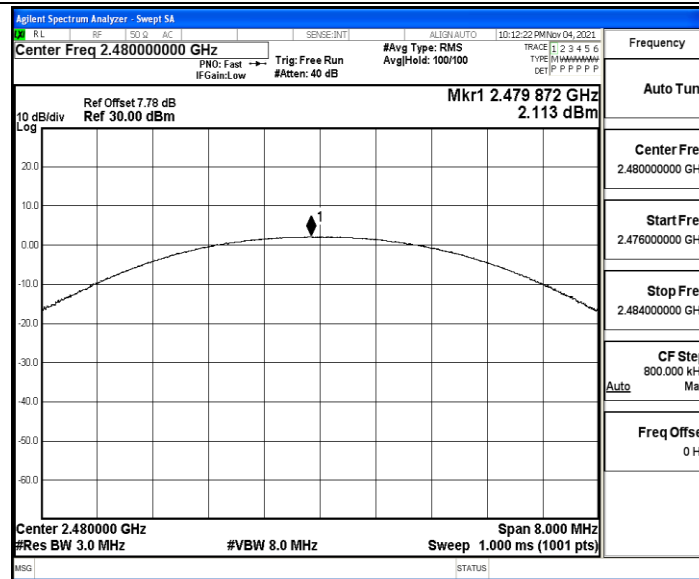
DH5_2402



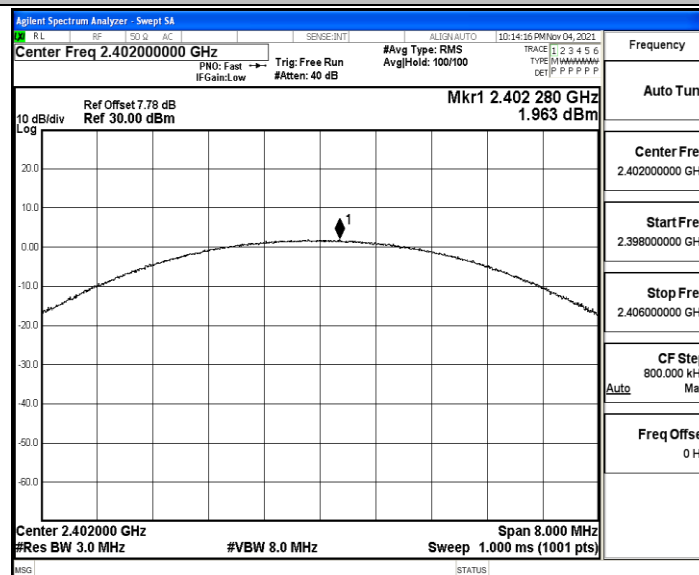
DH5_2441



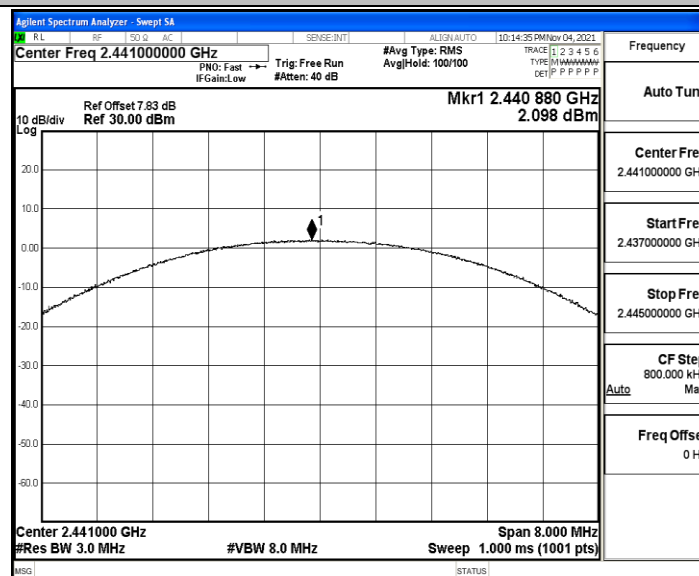
DH5_2480



2DH5_2402

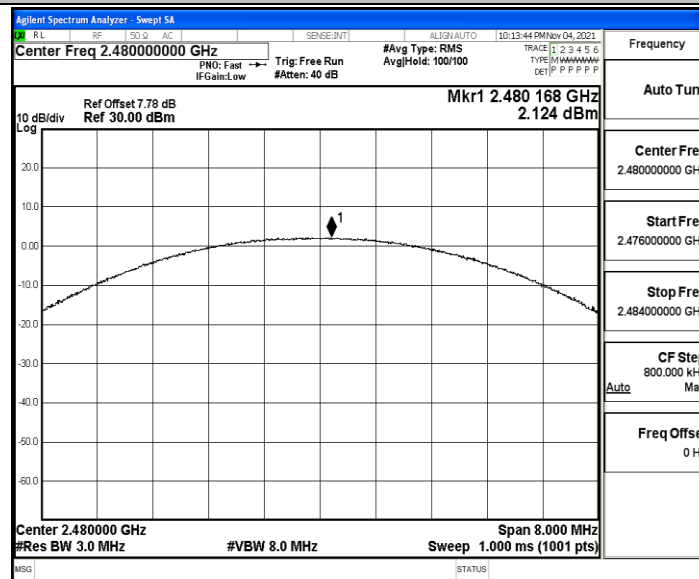


2DH5_2441

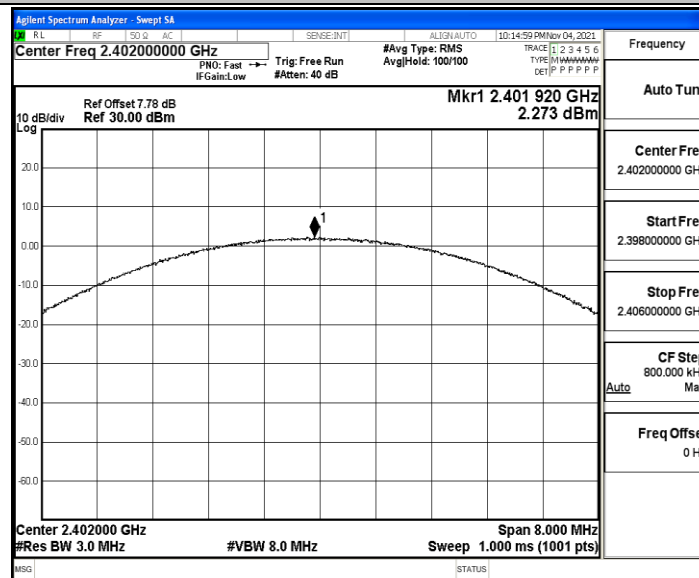




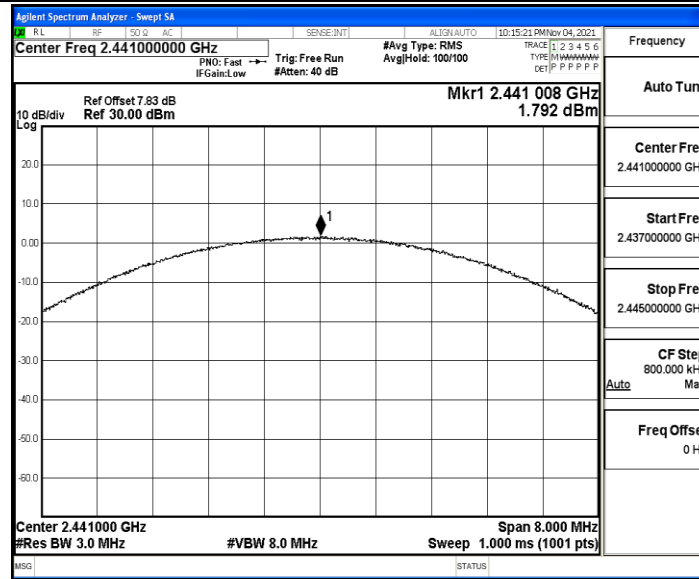
2DH5_2480



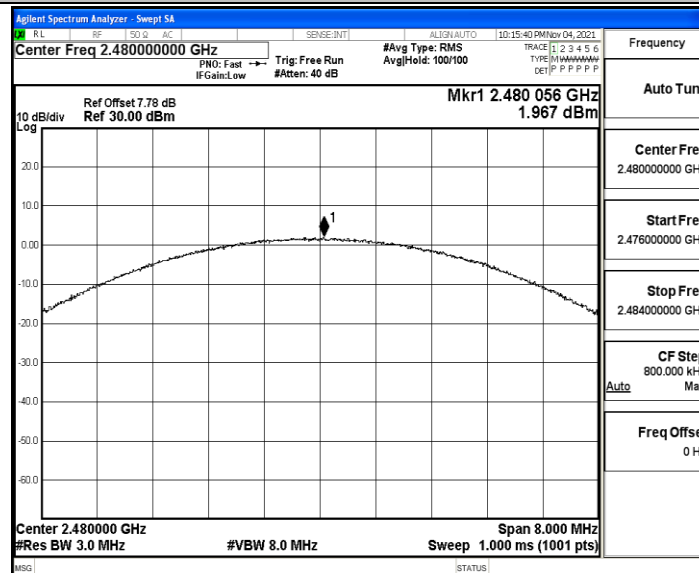
3DH5_2402



3DH5_2441



3DH5_2480





A.3 Carrier frequency separation

Test Result

Left Part

TestMode	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Hop	0.726	≥ 0.642	PASS
2DH5	Hop	1.19	≥ 0.902	PASS
3DH5	Hop	1.214	≥ 0.878	PASS

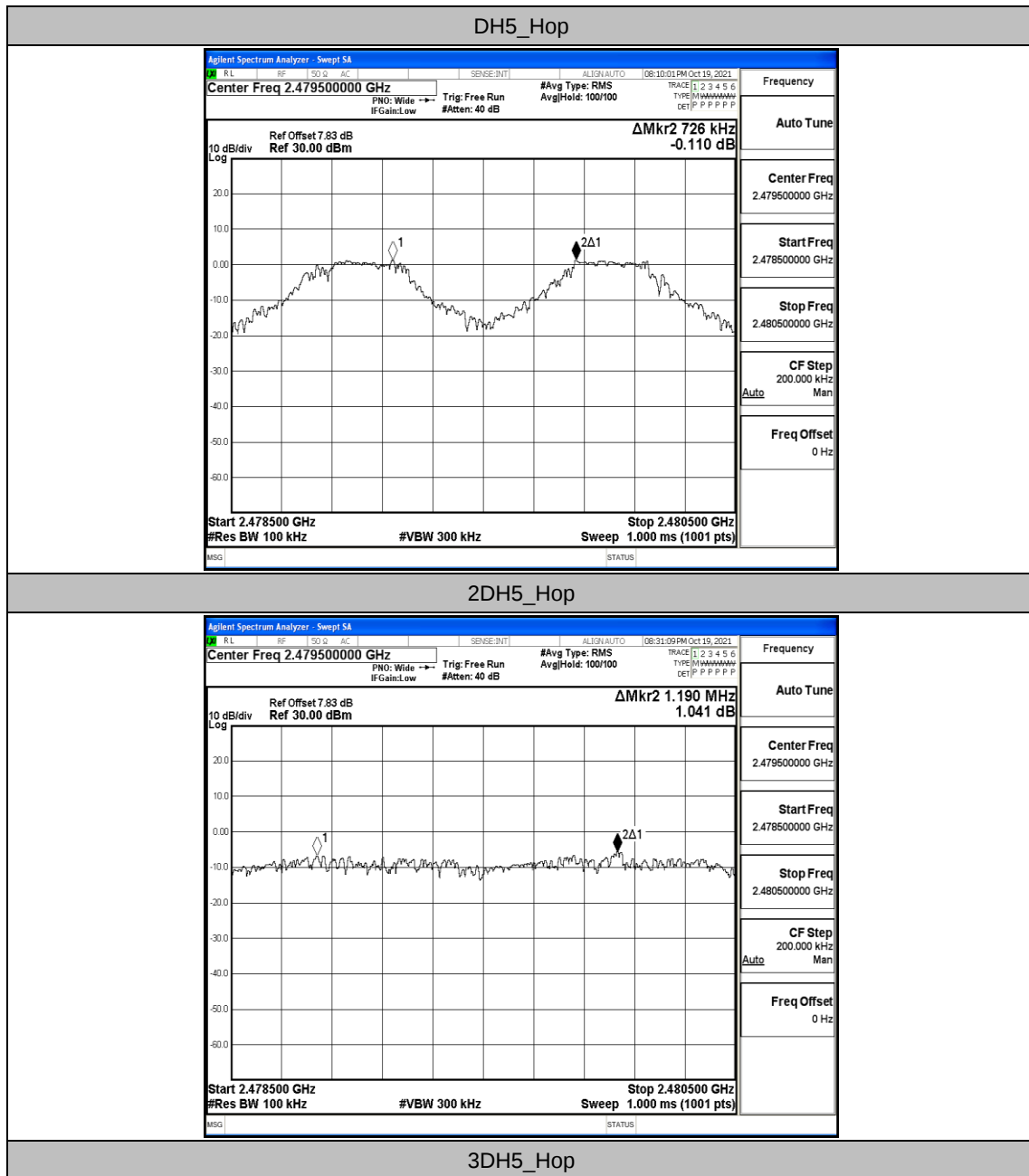
Right Part

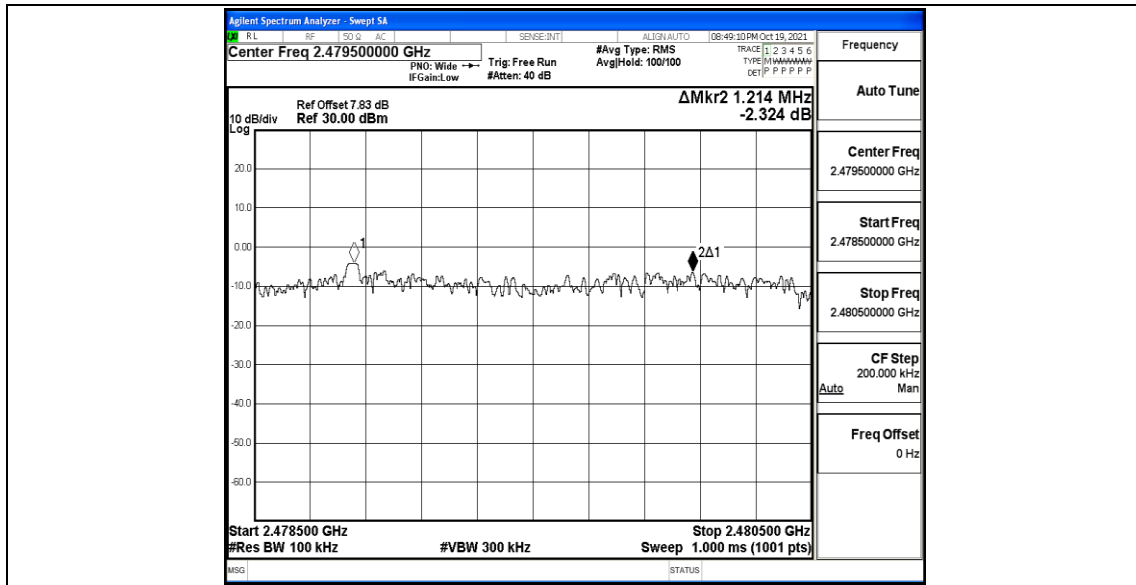
TestMode	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Hop	0.962	≥ 0.954	PASS
2DH5	Hop	1.282	≥ 0.914	PASS
3DH5	Hop	0.984	≥ 0.902	PASS



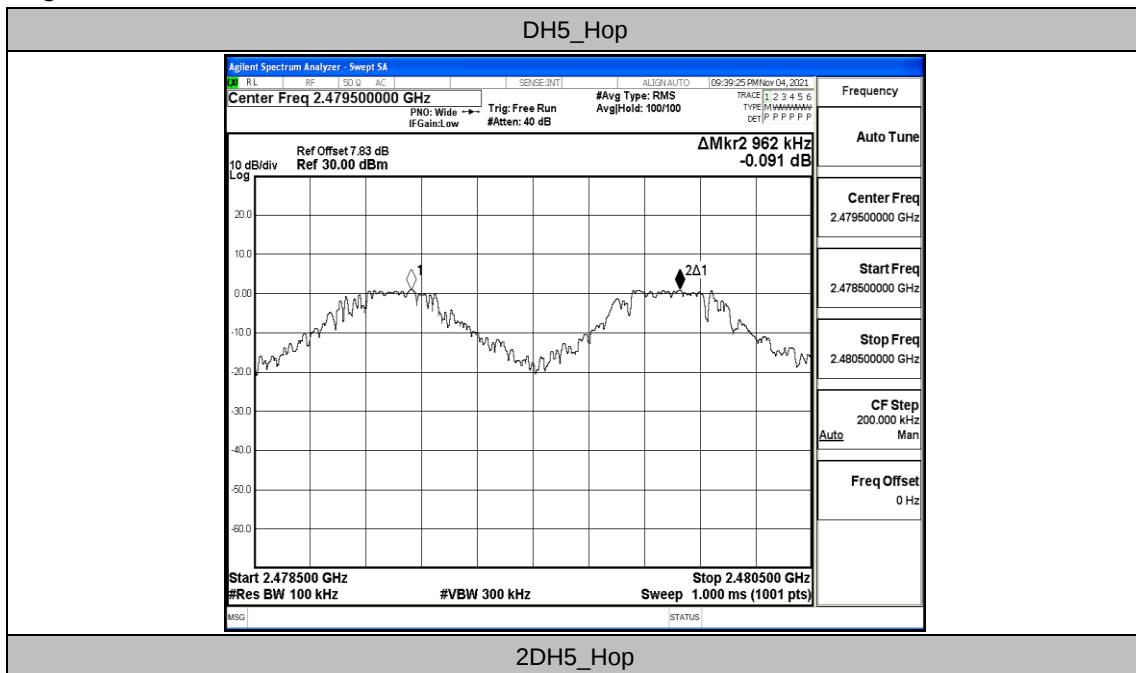
Test Graphs

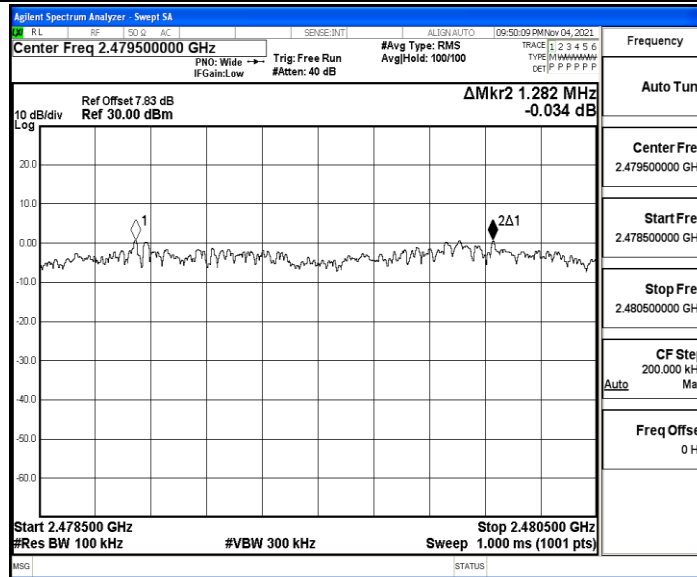
Left Part



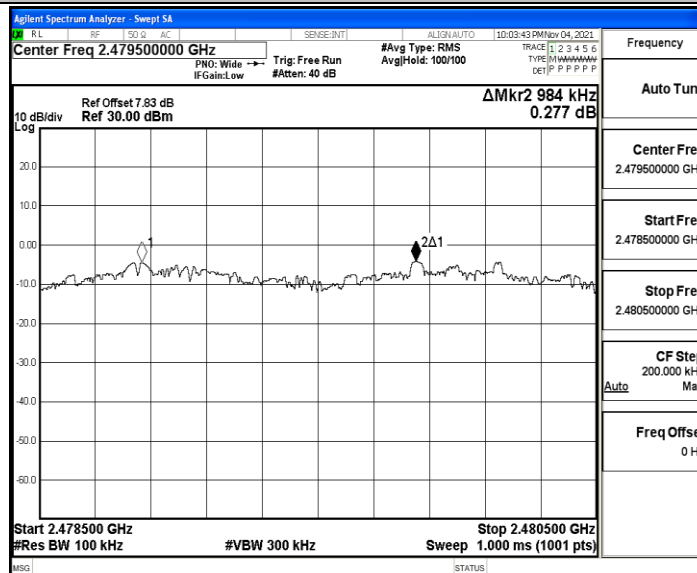


Right Part





3DH5_Hop





A.4 Time of occupancy

Test Result

Left Part

TestMode	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Hop	2.88	120	0.346	≤0.4	PASS
2DH5	Hop	2.88	110	0.317	≤0.4	PASS
3DH5	Hop	2.89	130	0.376	≤0.4	PASS

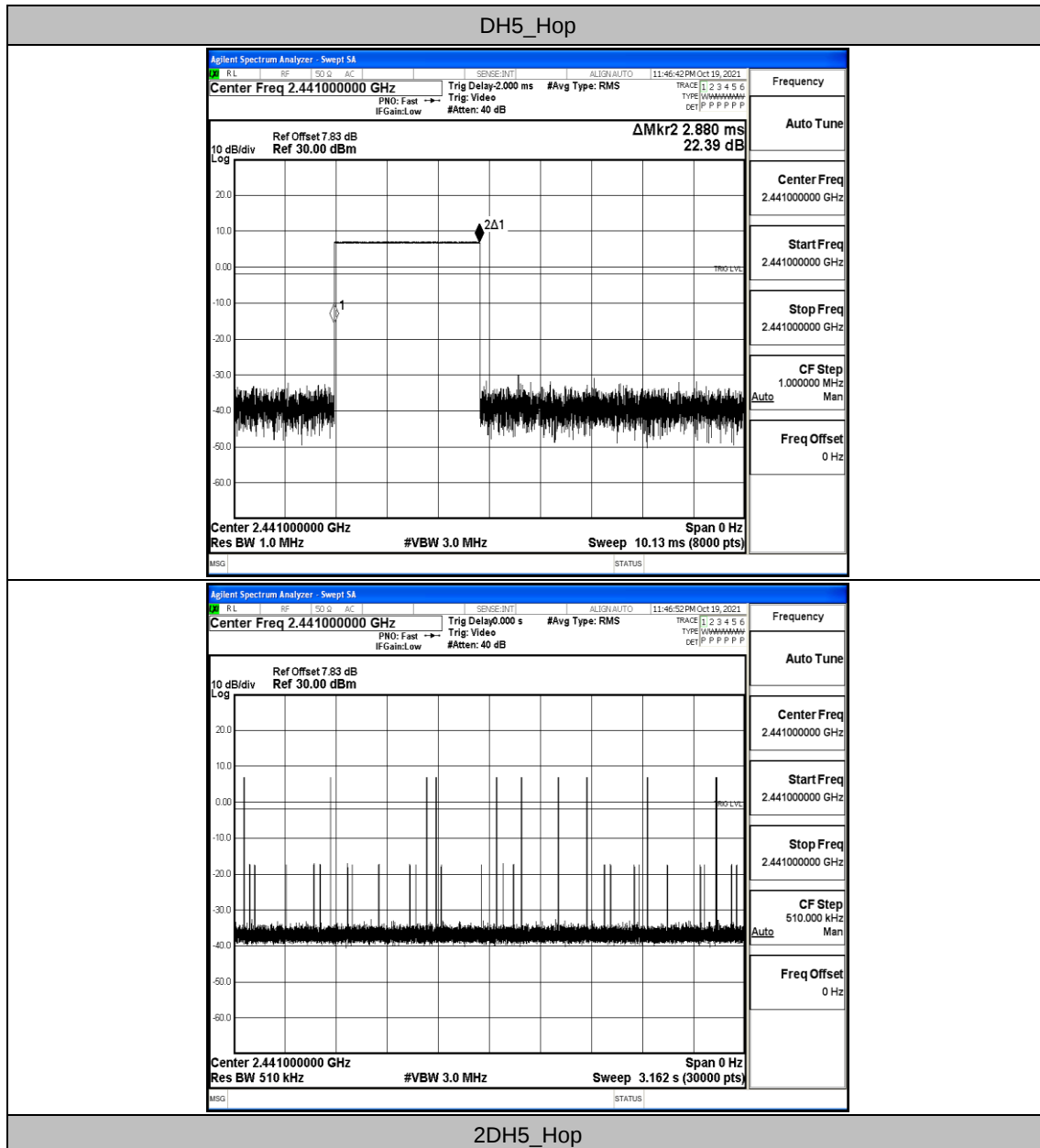
Right Part

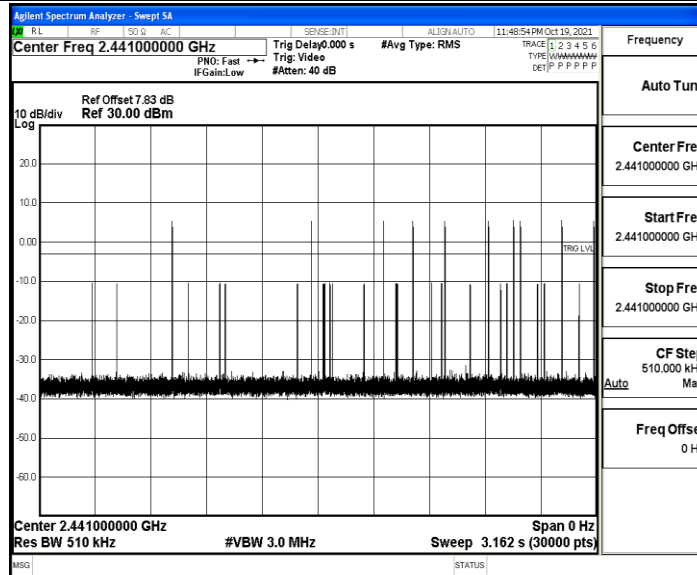
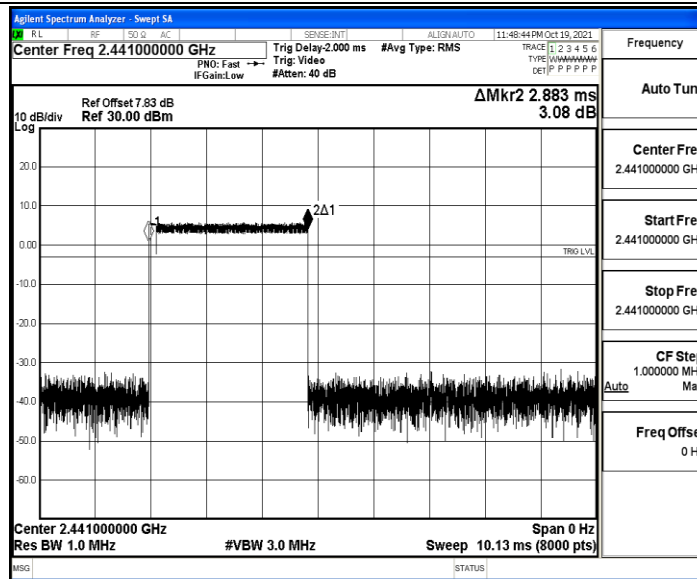
TestMode	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Hop	2.88	80	0.23	≤0.4	FAIL
2DH5	Hop	2.88	100	0.288	≤0.4	FAIL
3DH5	Hop	2.89	130	0.375	≤0.4	FAIL



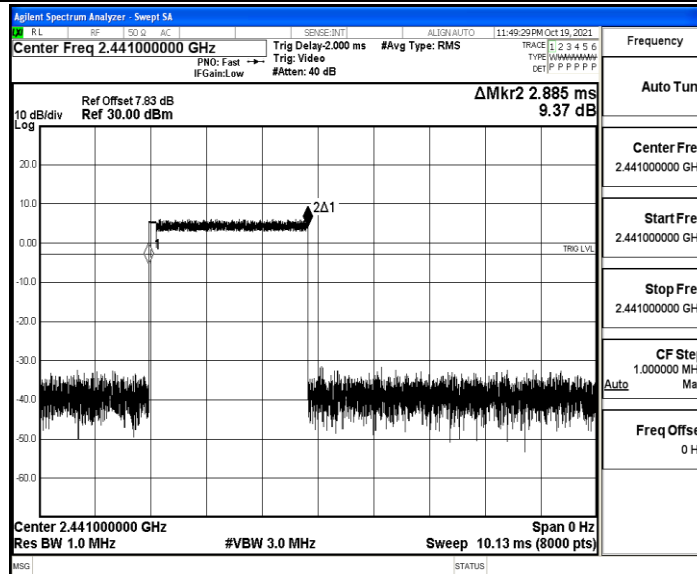
Test Graphs

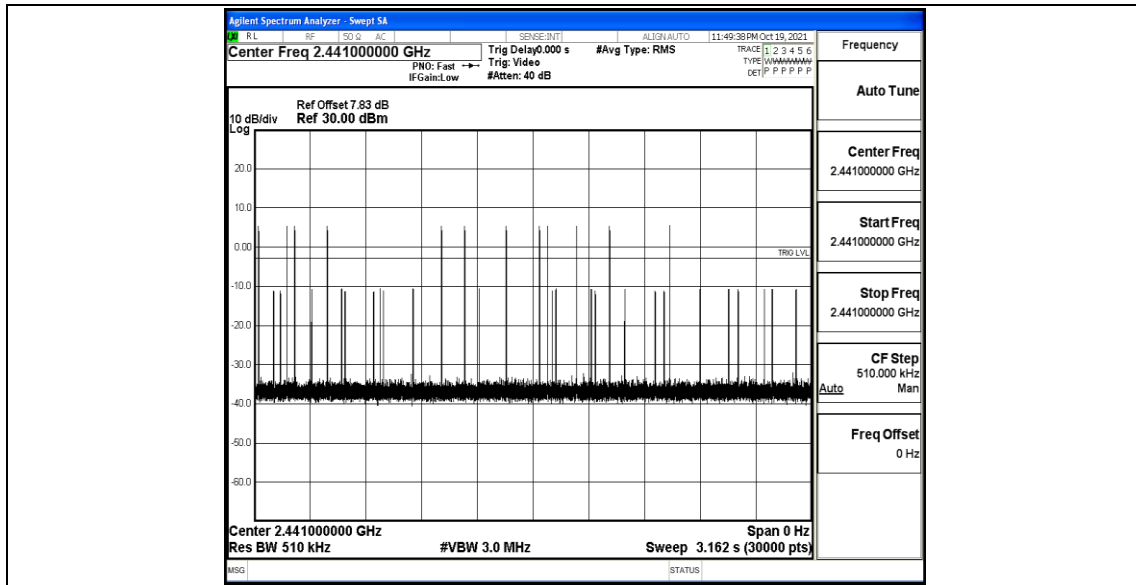
Left Part





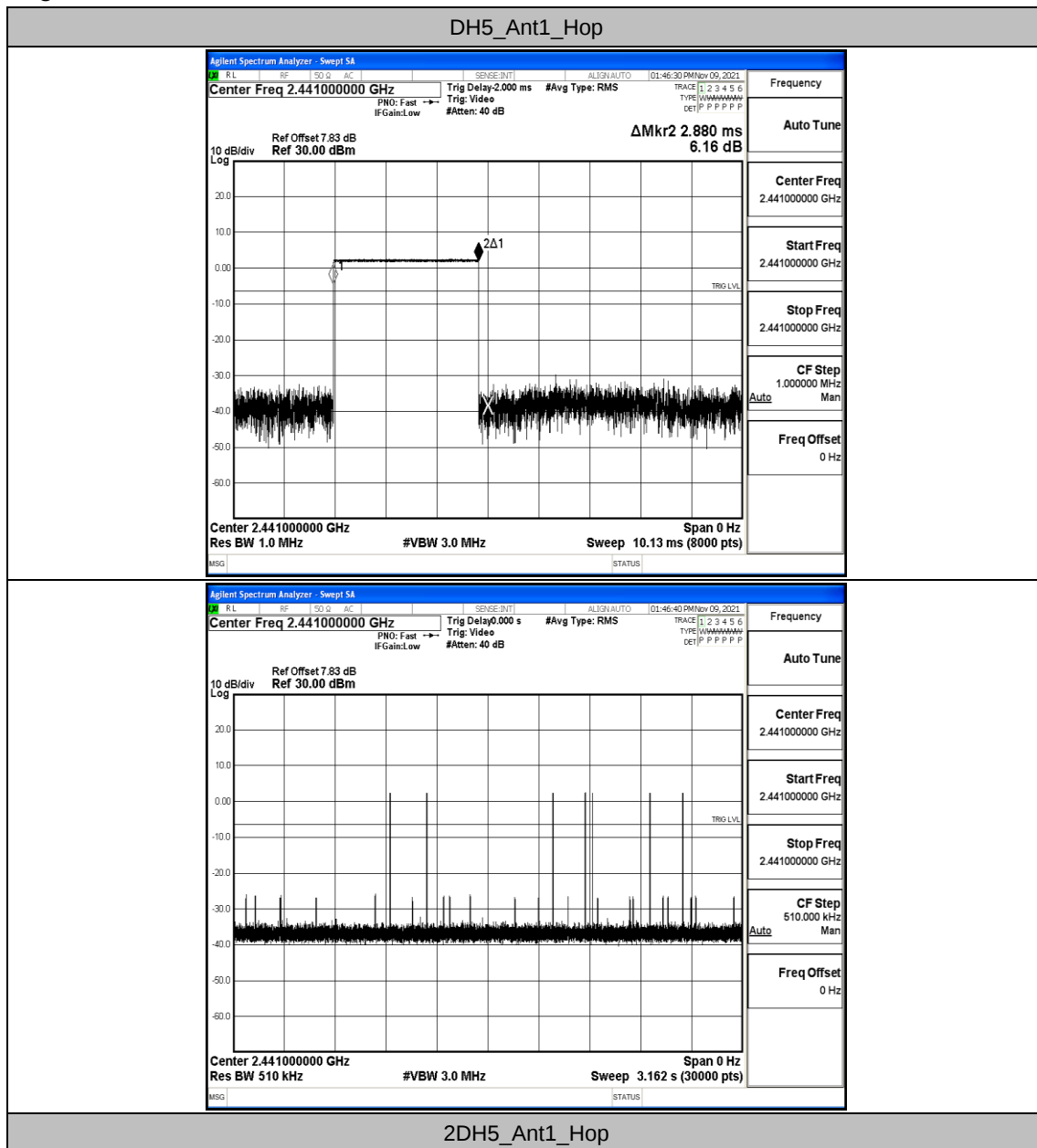
3DH5_Hop

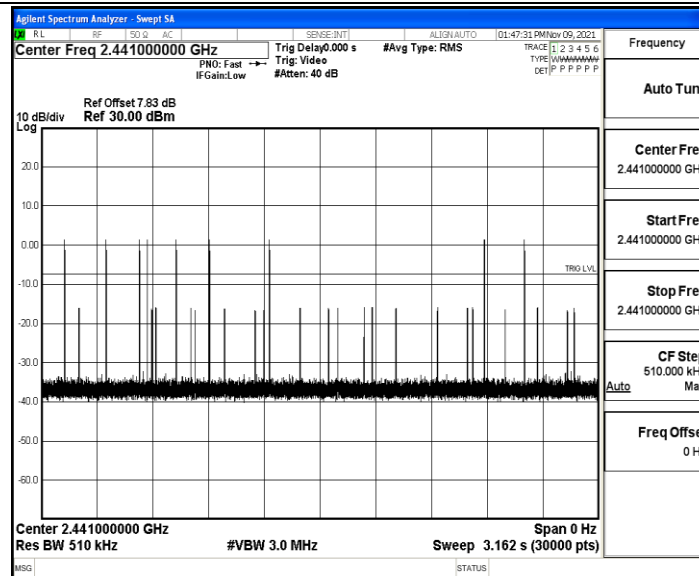
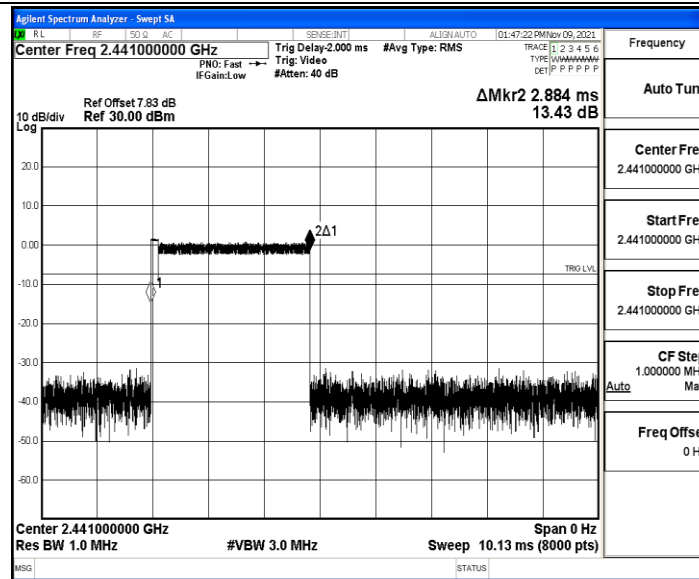




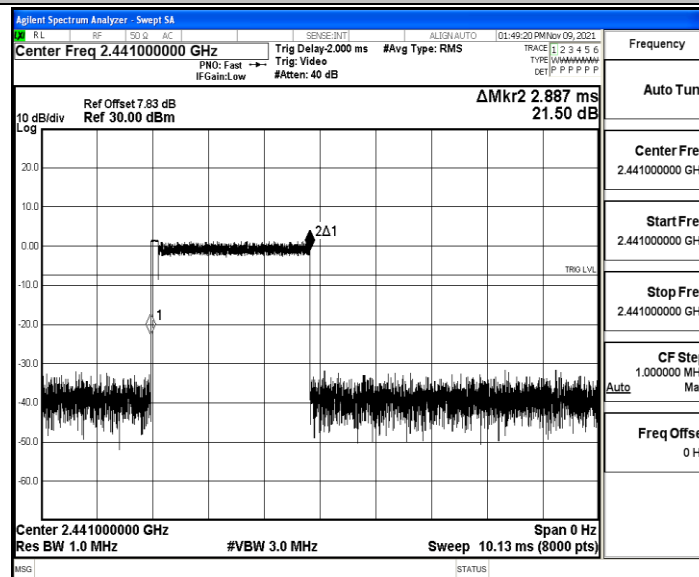


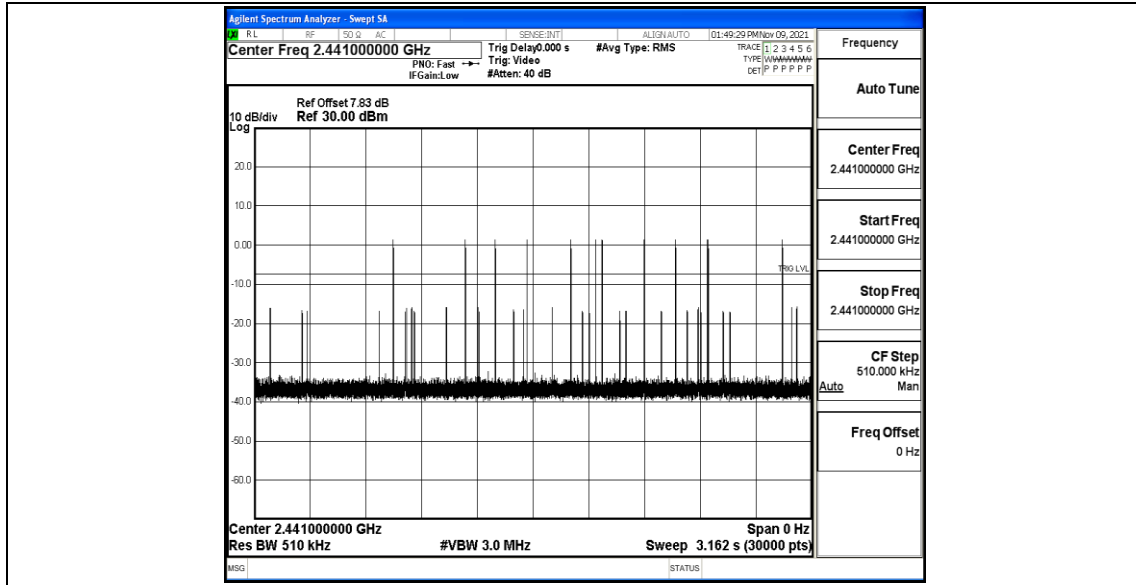
Right Part





3DH5_Ant1_Hop







A.5 Number of hopping channels

Test Result

Left Part

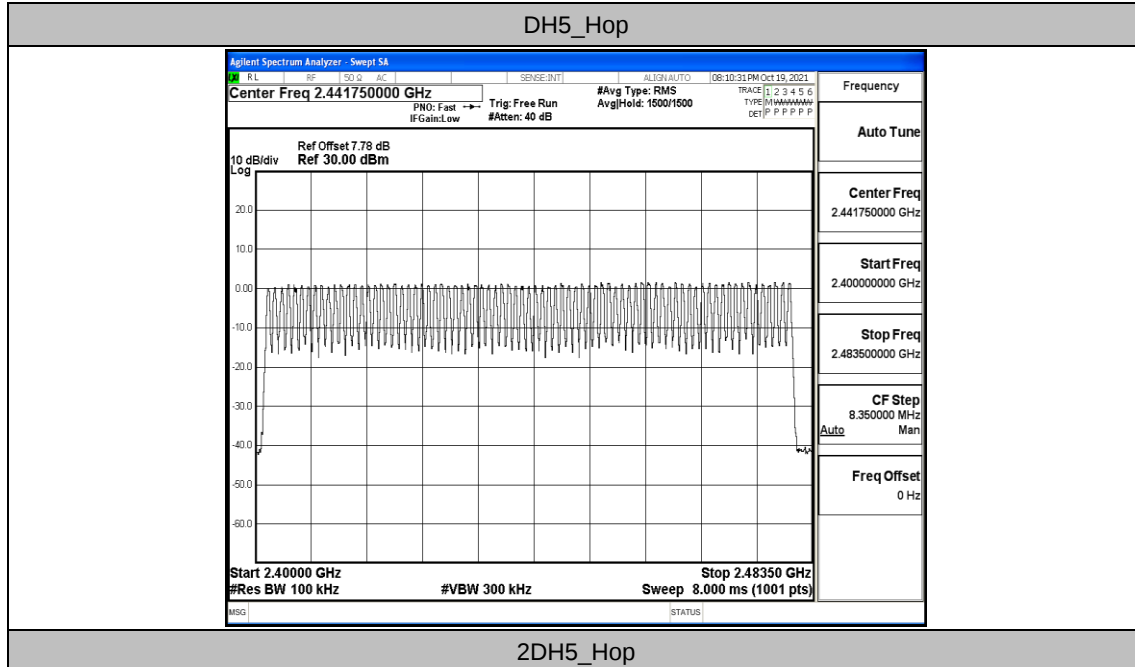
TestMode	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Hop	79	≥15	PASS
2DH5	Hop	79	≥15	PASS
3DH5	Hop	79	≥15	PASS

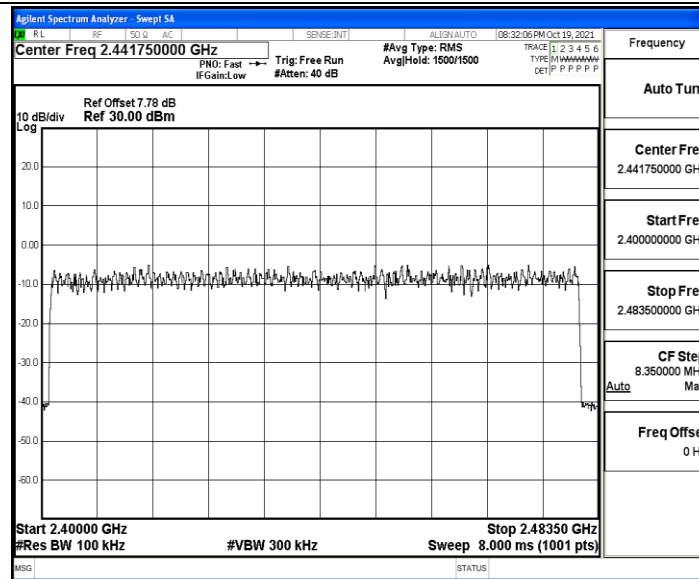
Right Part

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

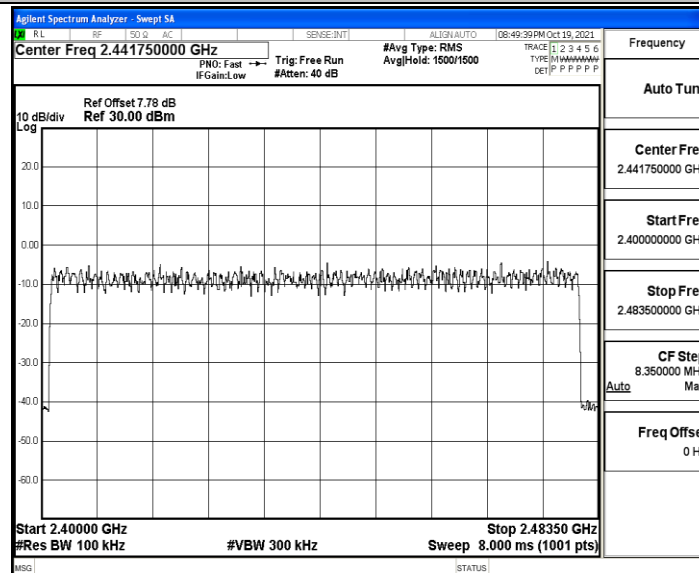
Test Graphs

Left Part



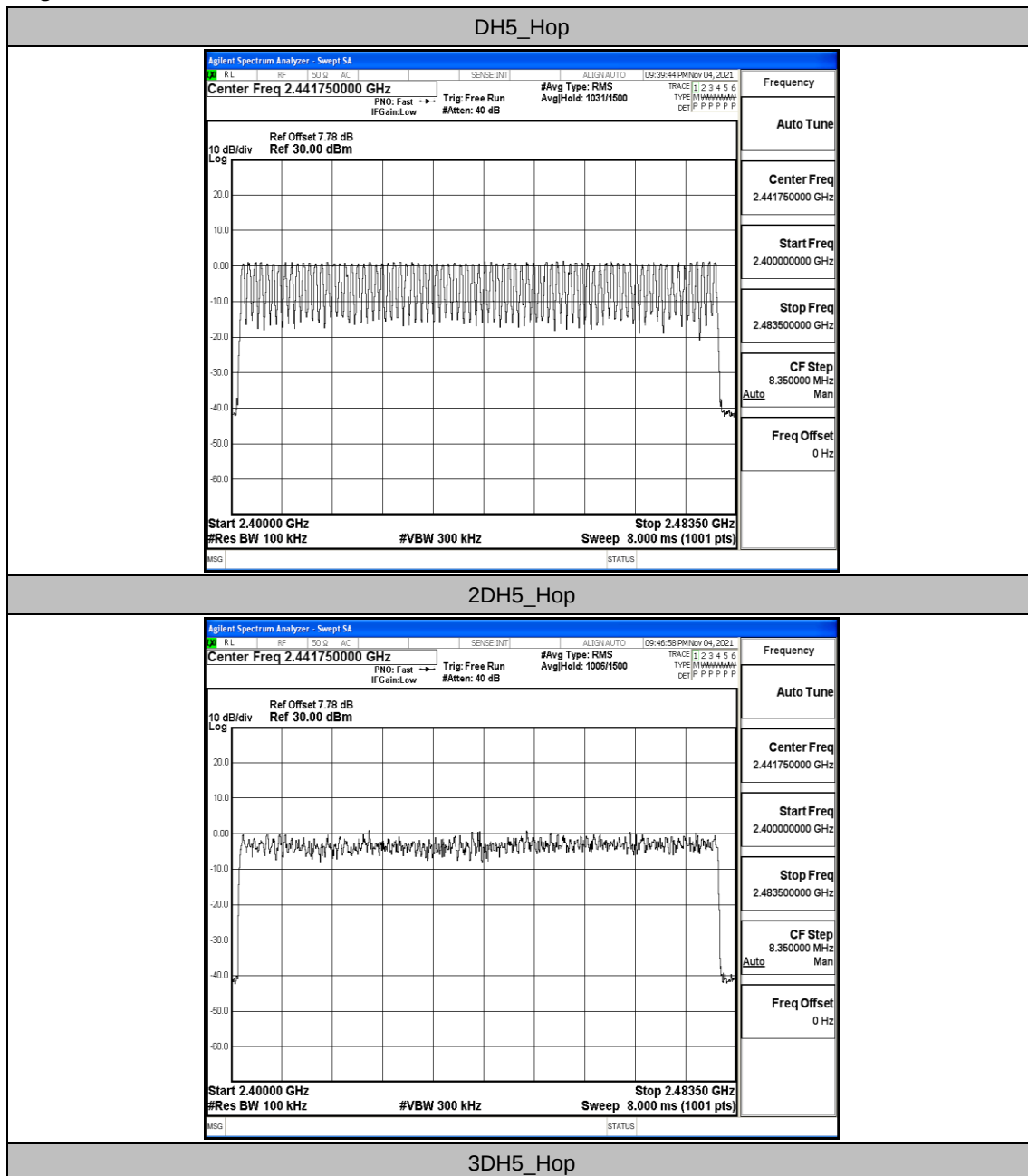


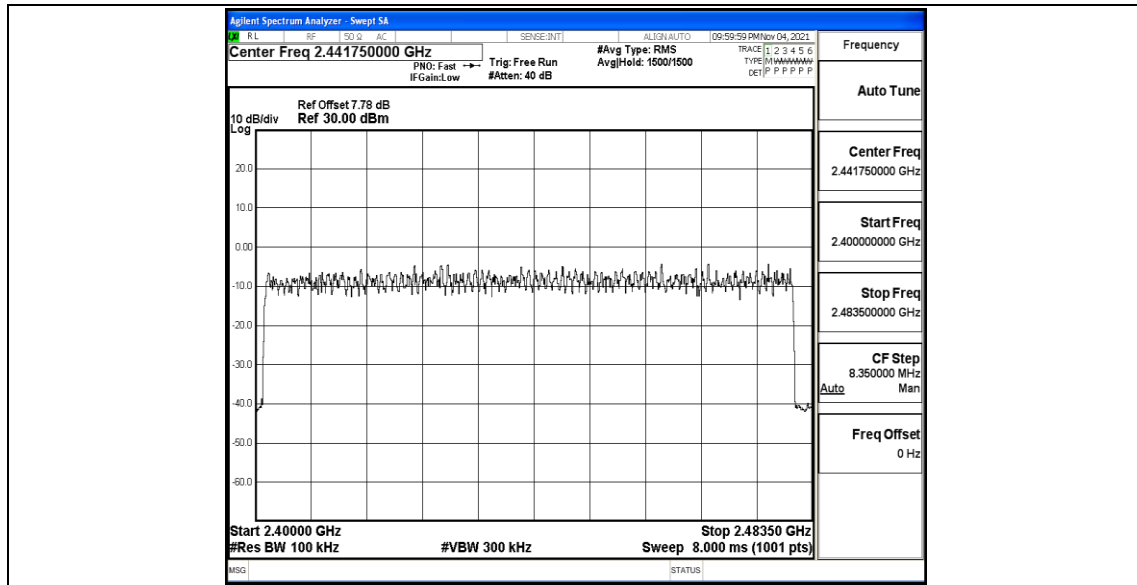
3DH5_Hop





Right Part







A.6 Band edge measurements

Test Result

Left Part

TestMode	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Low	2402	1.21	-49.17	≤ -18.79	PASS
	High	2480	1.56	-48.88	≤ -18.44	PASS
	Low	Hop_2402	0.65	-49.6	≤ -19.35	PASS
	High	Hop_2480	1.35	-48.31	≤ -18.66	PASS
2DH5	Low	2402	-0.15	-49.46	≤ -20.15	PASS
	High	2480	0.99	-48.18	≤ -19.01	PASS
	Low	Hop_2402	-6.31	-49.55	≤ -26.31	PASS
	High	Hop_2480	-4.43	-29.71	≤ -24.43	PASS
3DH5	Low	2402	0.95	-49.7	≤ -19.05	PASS
	High	2480	1.55	-48.47	≤ -18.46	PASS
	Low	Hop_2402	-6.89	-49.24	≤ -26.89	PASS
	High	Hop_2480	-4.11	-33.08	≤ -24.11	PASS

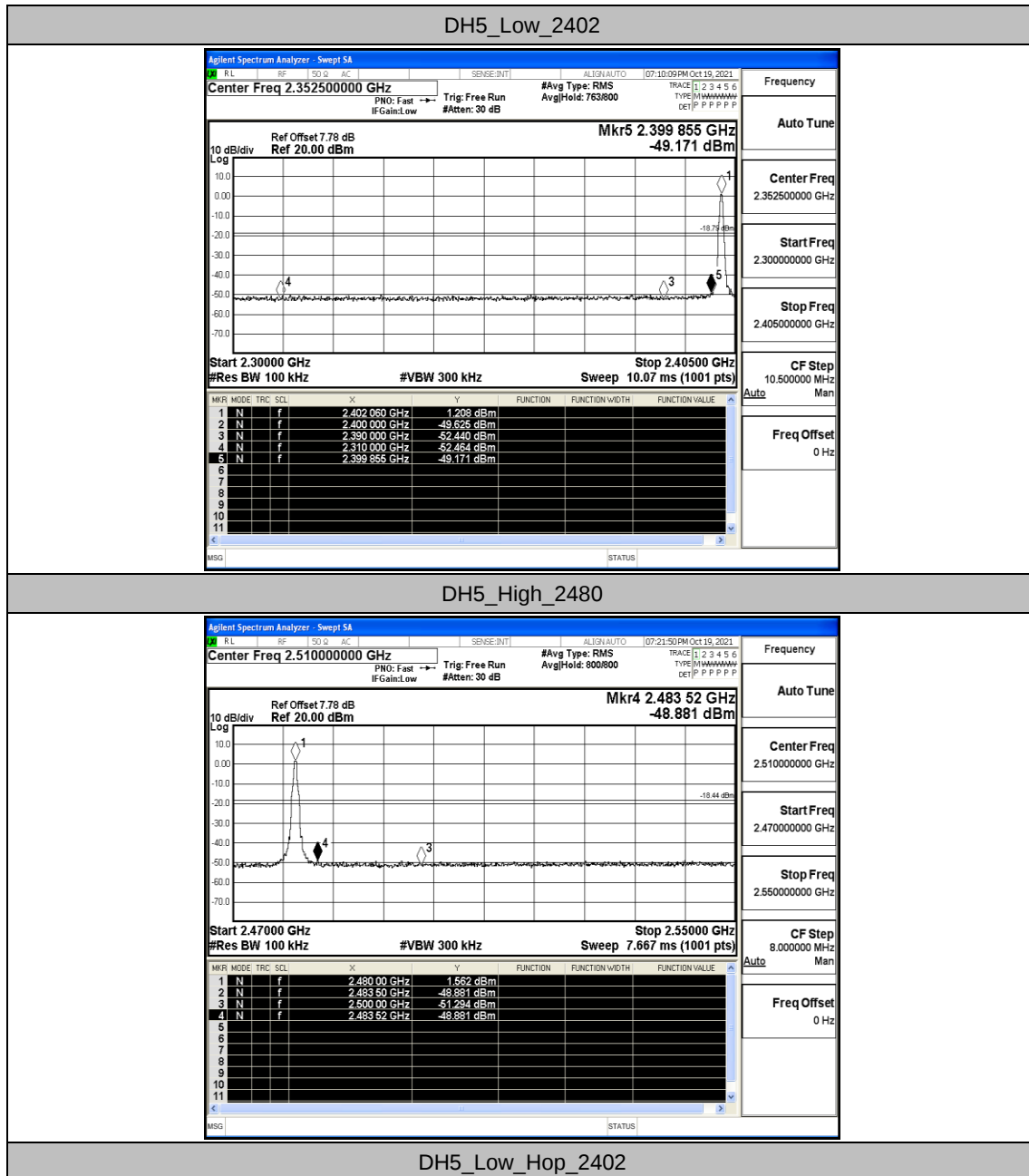
Right Part

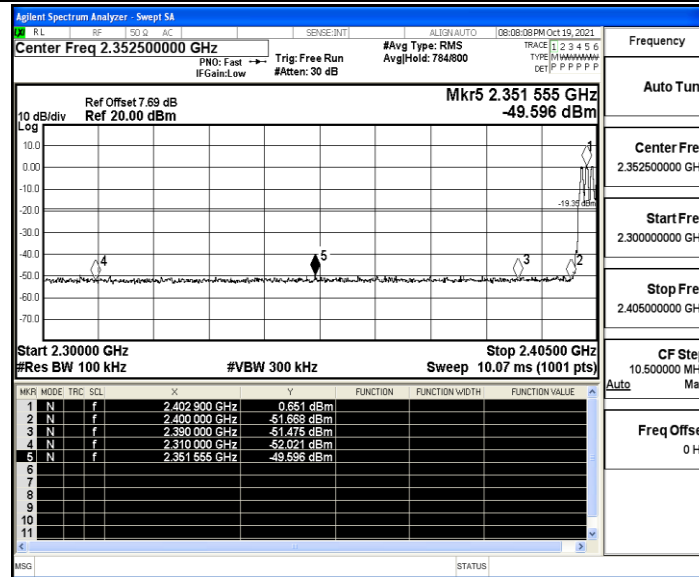
TestMode	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Low	2402	1.11	-49.14	≤ -18.89	PASS
	High	2480	1.77	-48.66	≤ -18.23	PASS
	Low	Hop_2402	0.80	-49.66	≤ -19.2	PASS
	High	Hop_2480	1.32	-48.59	≤ -18.68	PASS
2DH5	Low	2402	-5.20	-49.16	≤ -25.2	PASS
	High	2480	1.31	-47.97	≤ -18.69	PASS
	Low	Hop_2402	0.04	-49.74	≤ -19.96	PASS
	High	Hop_2480	-0.75	-48.07	≤ -20.75	PASS
3DH5	Low	2402	1.19	-48.98	≤ -18.81	PASS
	High	2480	1.56	-48.35	≤ -18.44	PASS
	Low	Hop_2402	-6.58	-49.18	≤ -26.58	PASS
	High	Hop_2480	-4.37	-48.61	≤ -24.37	PASS



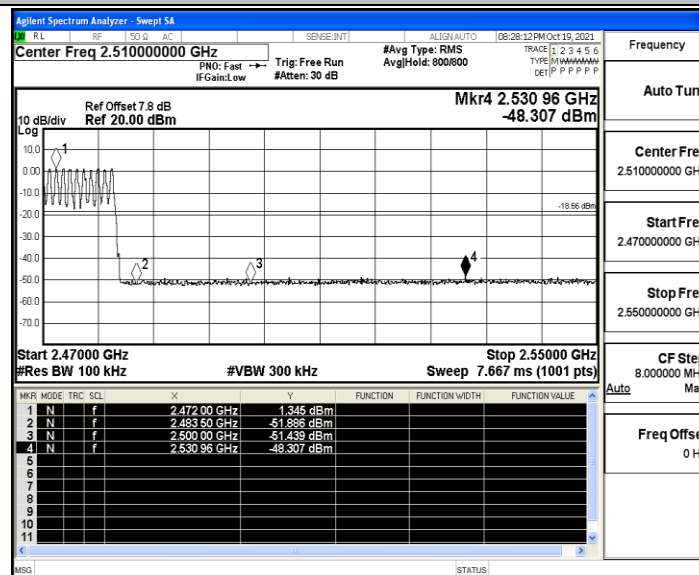
Test Graphs

Left Part

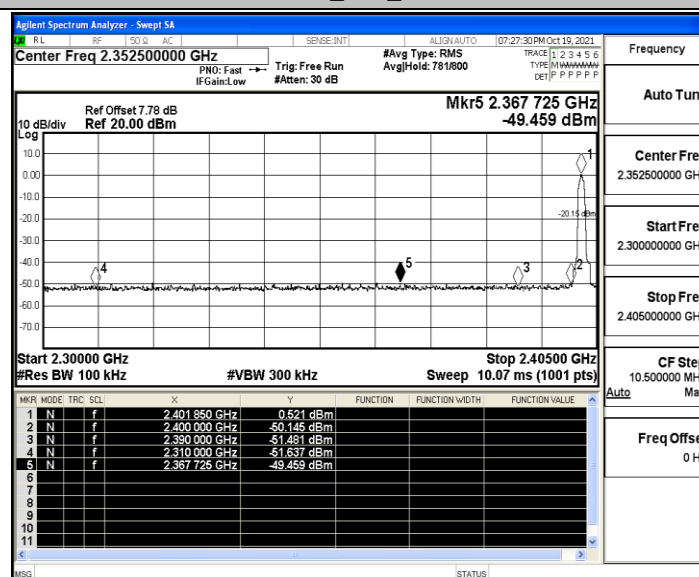




DH5_High_Hop_2480

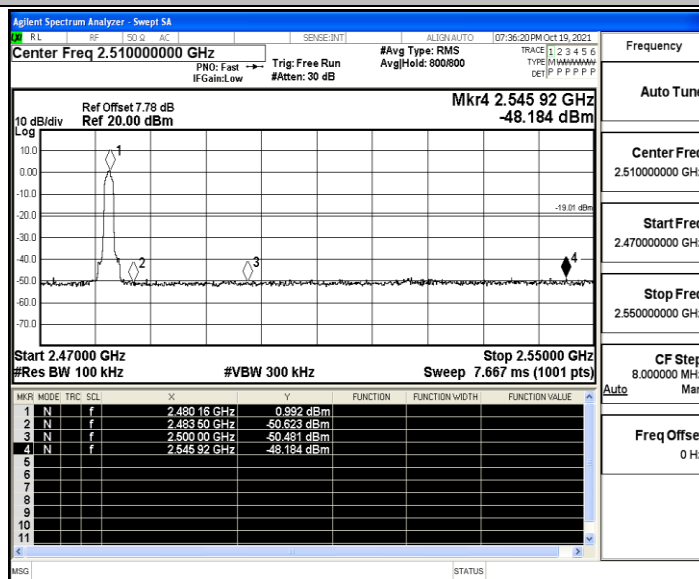


2DH5_Low_2402

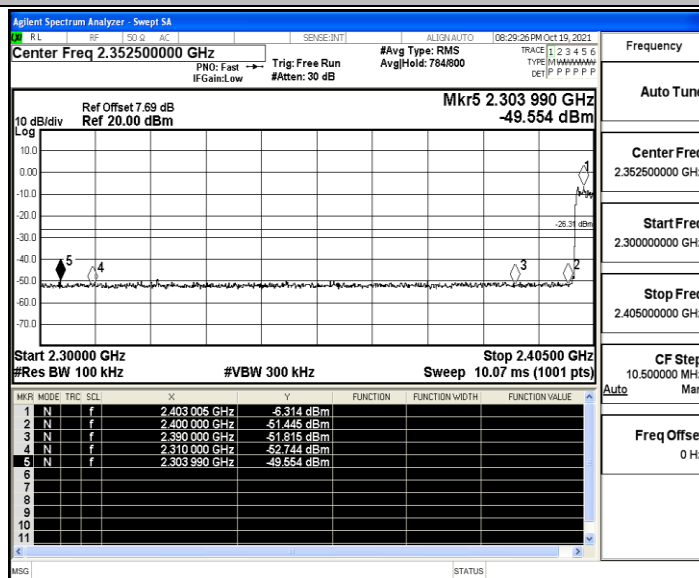




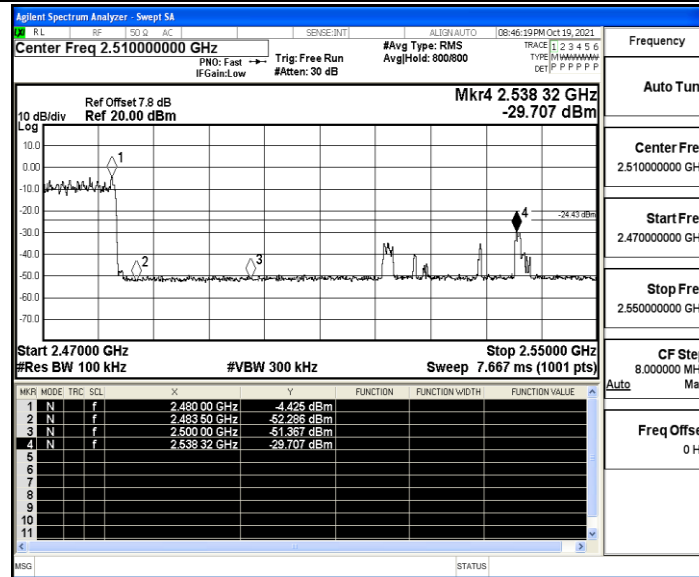
2DH5_High_2480



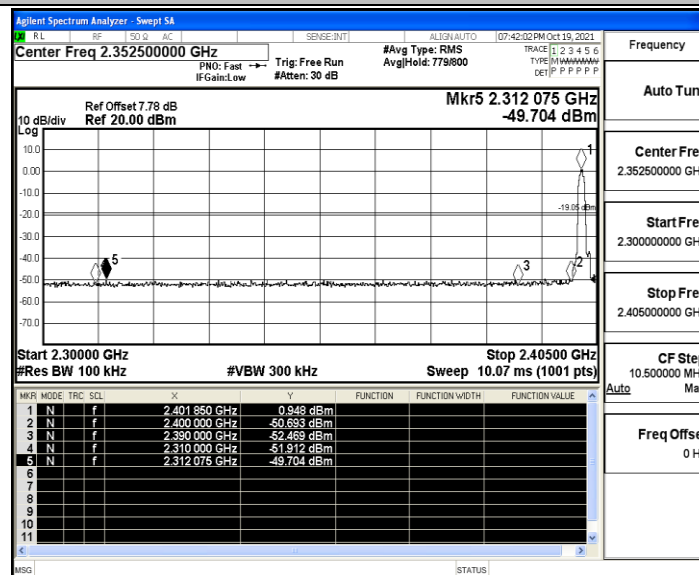
2DH5_Low_Hop_2402



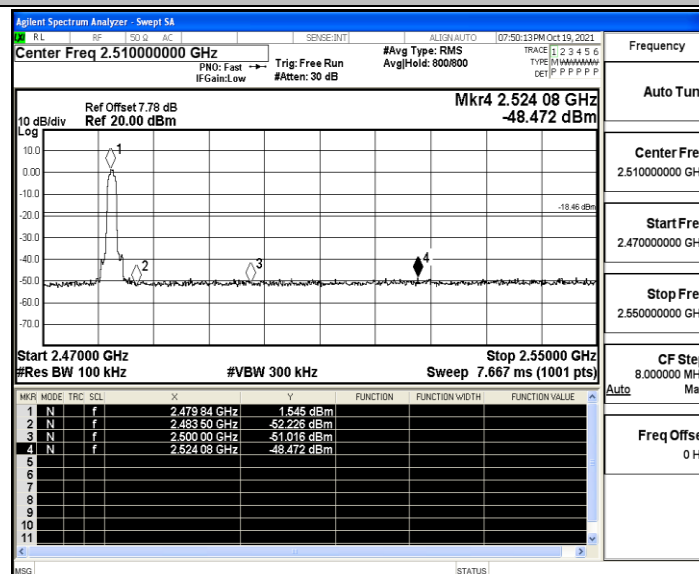
2DH5_High_Hop_2480



3DH5_Low_2402

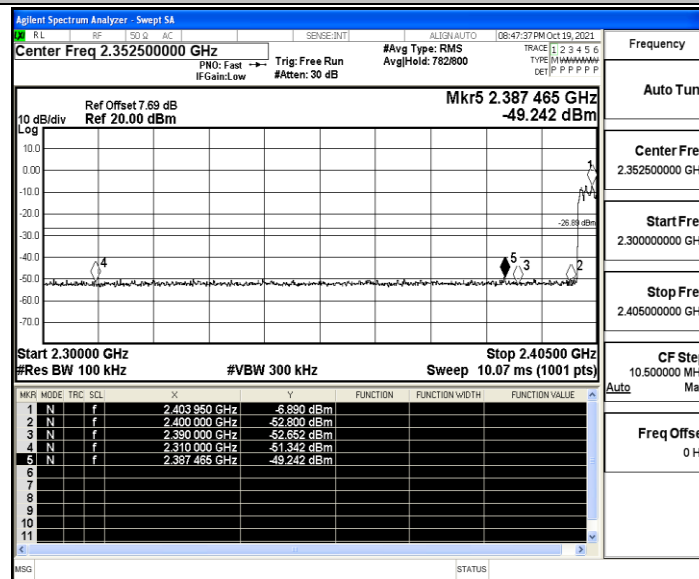


3DH5_High_2480

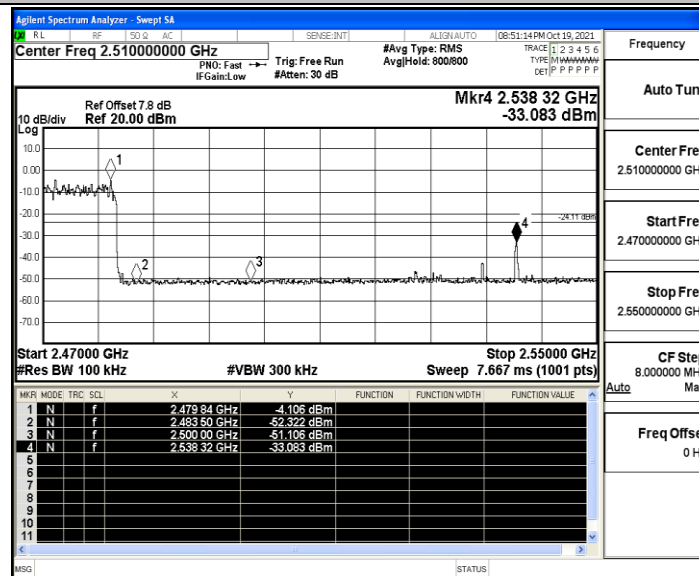




3DH5_Low_Hop_2402

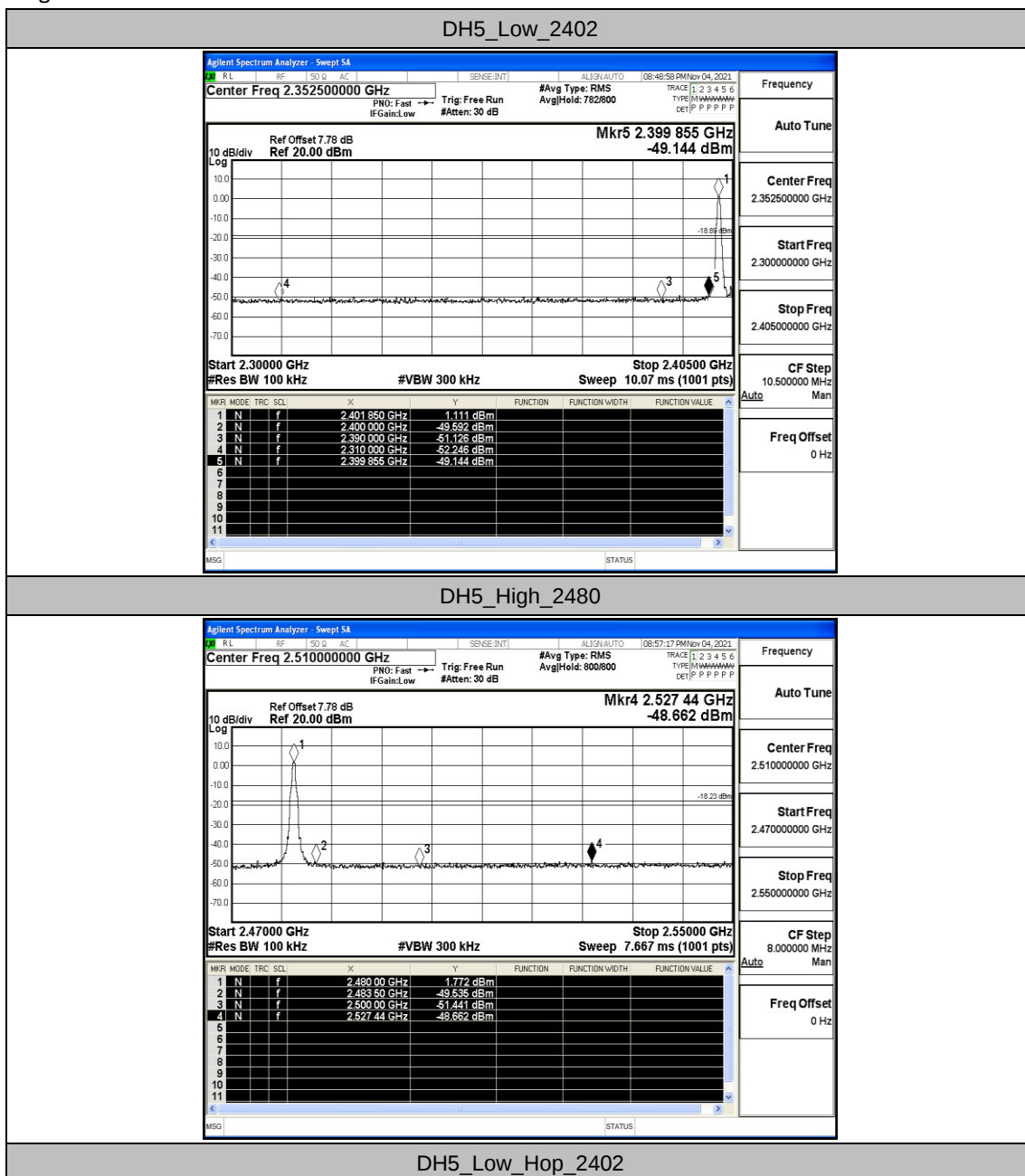


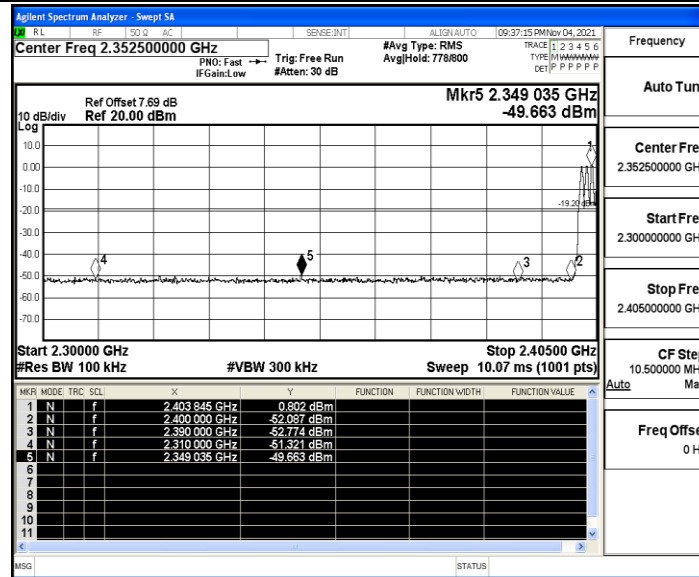
3DH5_High_Hop_2480



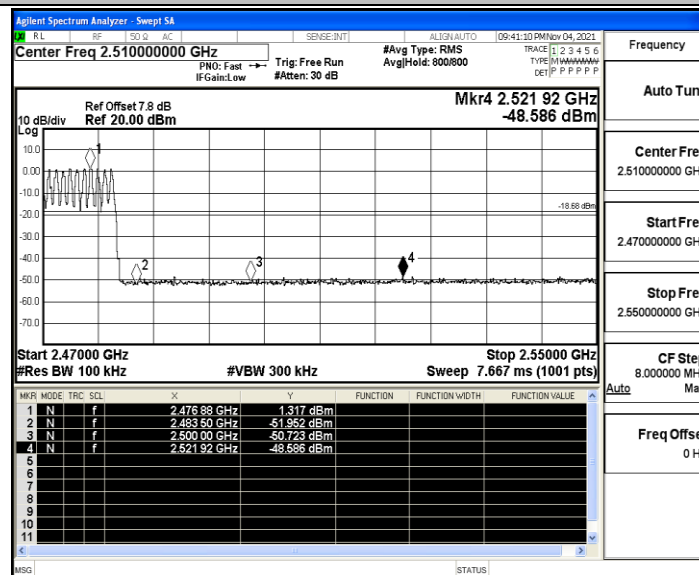


Right Part

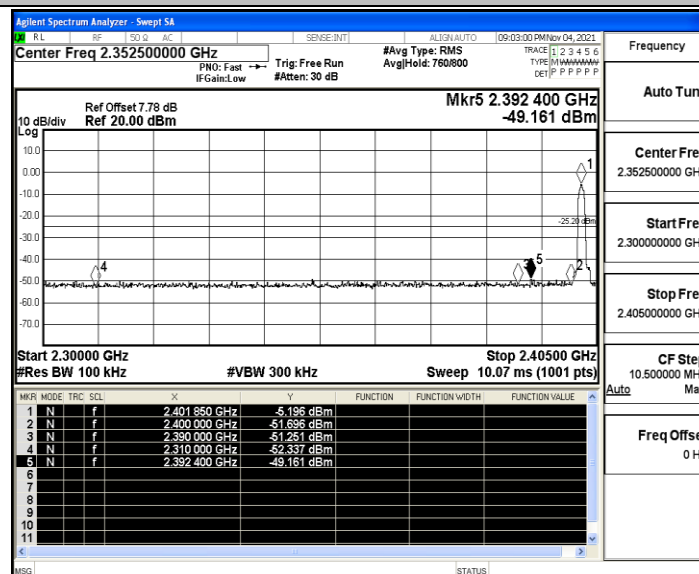




DH5_High_Hop_2480

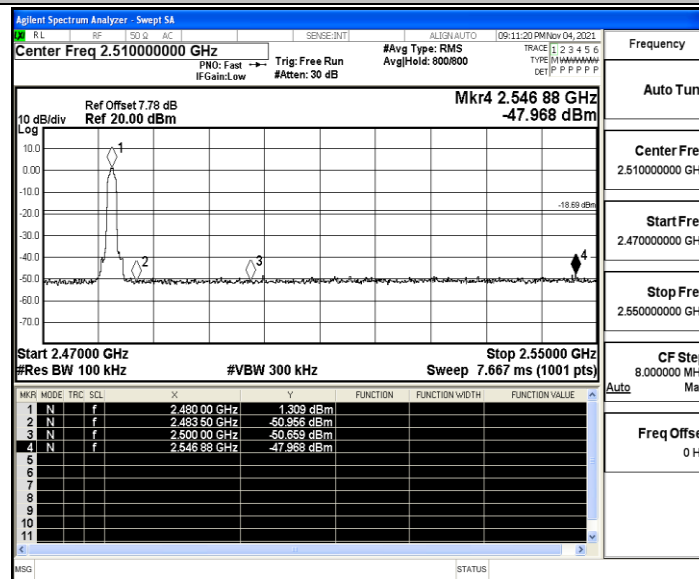


2DH5_Low_2402

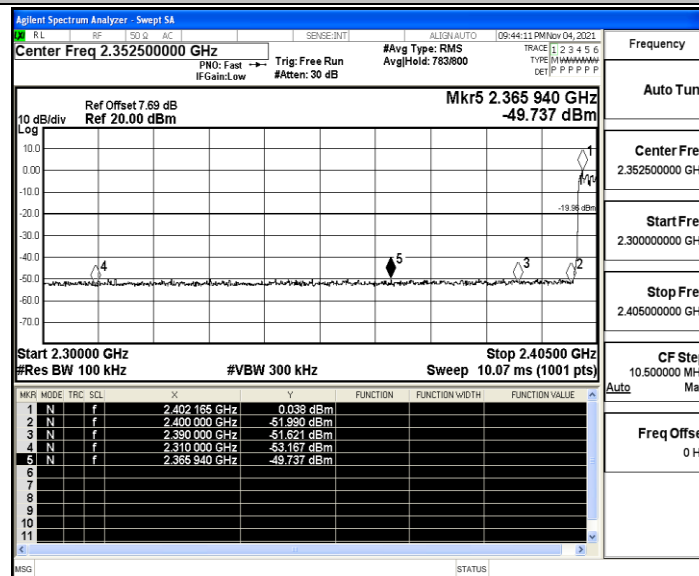




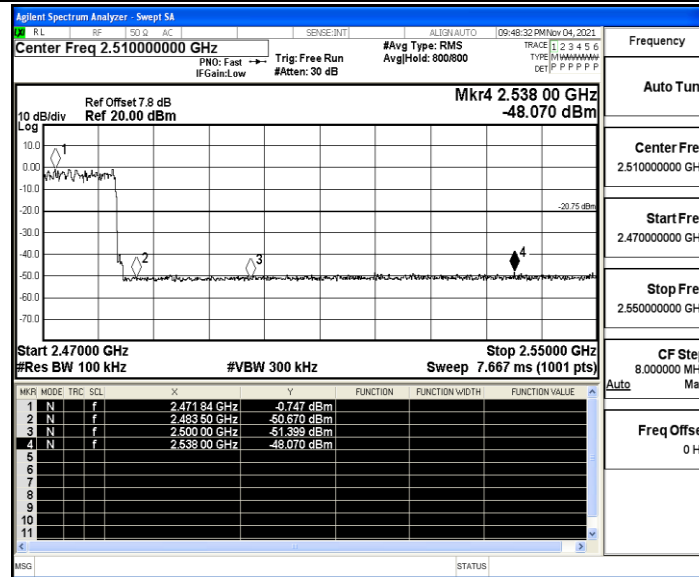
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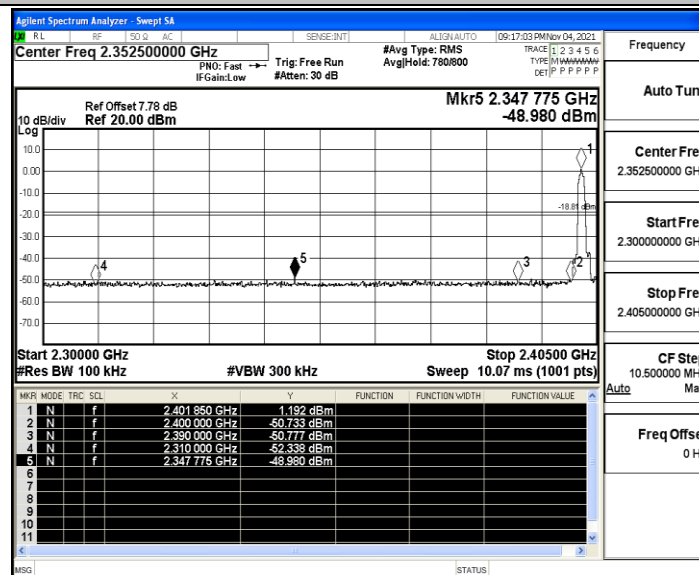
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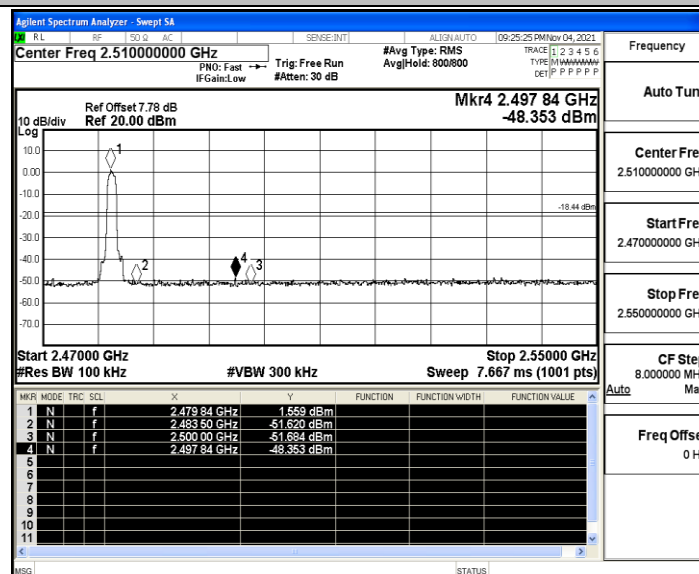
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3DH5_Low_2402

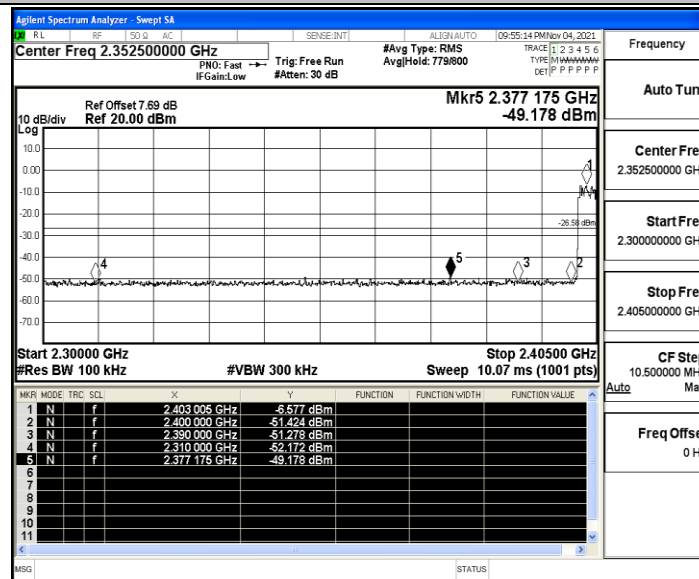


3DH5_High_2480





3DH5_Low_Hop_2402



3DH5_High_Hop_2480

