

Case No. : <u>GTS20260912005-1-01</u>
Ambient Condition: <u>25</u> °C, <u>49</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.9.21-2026.10.10</u> Test Engineer: <u>Evan ouyang</u>

AppendixA.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.008	2401.499	2402.507	---	---
		2441	1.035	2440.493	2441.528	---	---
		2480	1.044	2479.487	2480.531	---	---
2DH1	Ant1	2402	1.266	2401.370	2402.636	---	---
		2441	1.272	2440.400	2441.672	---	---
		2480	1.290	2479.385	2480.675	---	---
3DH1	Ant1	2402	1.260	2401.382	2402.642	---	---
		2441	1.275	2440.370	2441.645	---	---
		2480	1.272	2479.385	2480.657	---	---

Test Graphs

DH1_Ant1_2402





2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



3DH1_Ant1_2480



AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.92454	2401.5330	2402.4576	---	---
		2441	0.96210	2440.5241	2441.4862	---	---
		2480	0.98224	2479.5184	2480.5007	---	---
2DH1	Ant1	2402	1.1936	2401.4186	2402.6122	---	---
		2441	1.2021	2440.4116	2441.6137	---	---
		2480	1.2108	2479.4085	2480.6193	---	---
3DH1	Ant1	2402	1.1701	2401.4402	2402.6103	---	---
		2441	1.1850	2440.4286	2441.6136	---	---
		2480	1.1933	2479.4241	2480.6174	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



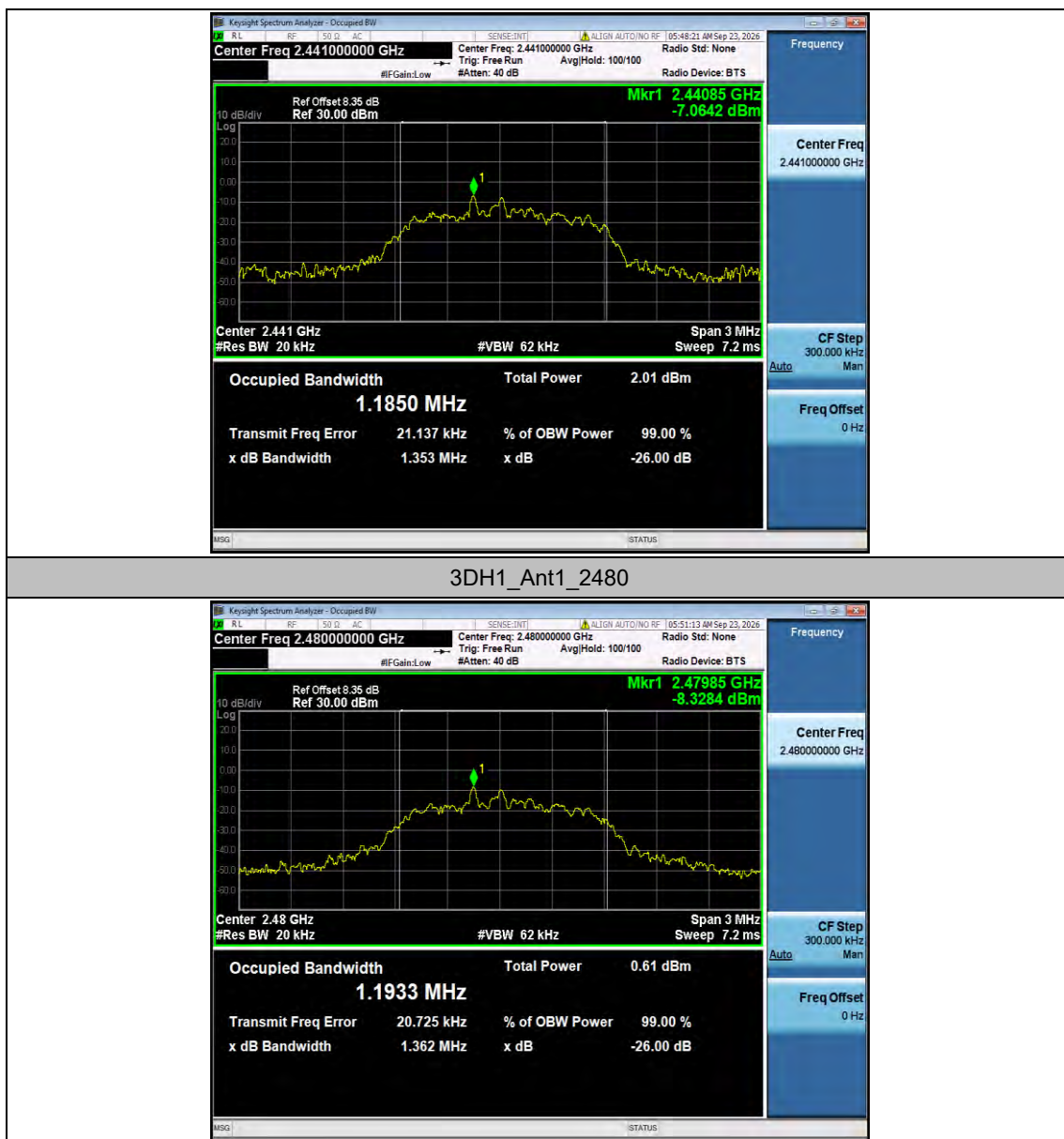
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



AppendixA.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	-2.24	≤ 20.97	PASS
		2441	-2.23	≤ 20.97	PASS
		2480	-3.66	≤ 20.97	PASS
2DH1	Ant1	2402	-1.62	≤ 20.97	PASS
		2441	-1.77	≤ 20.97	PASS
		2480	-2.98	≤ 20.97	PASS
3DH1	Ant1	2402	-1.03	≤ 20.97	PASS
		2441	-1.15	≤ 20.97	PASS
		2480	-2.55	≤ 20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.012	≥ 0.696	PASS
		Hop_2441	0.998	≥ 0.696	PASS
		Hop_2480	0.998	≥ 0.696	PASS
2DH1	Ant1	Hop_2402	0.99	≥ 0.860	PASS
		Hop_2441	0.996	≥ 0.860	PASS
		Hop_2480	1	≥ 0.860	PASS
3DH1	Ant1	Hop_2402	1	≥ 0.850	PASS
		Hop_2441	1	≥ 0.850	PASS
		Hop_2480	1	≥ 0.850	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441

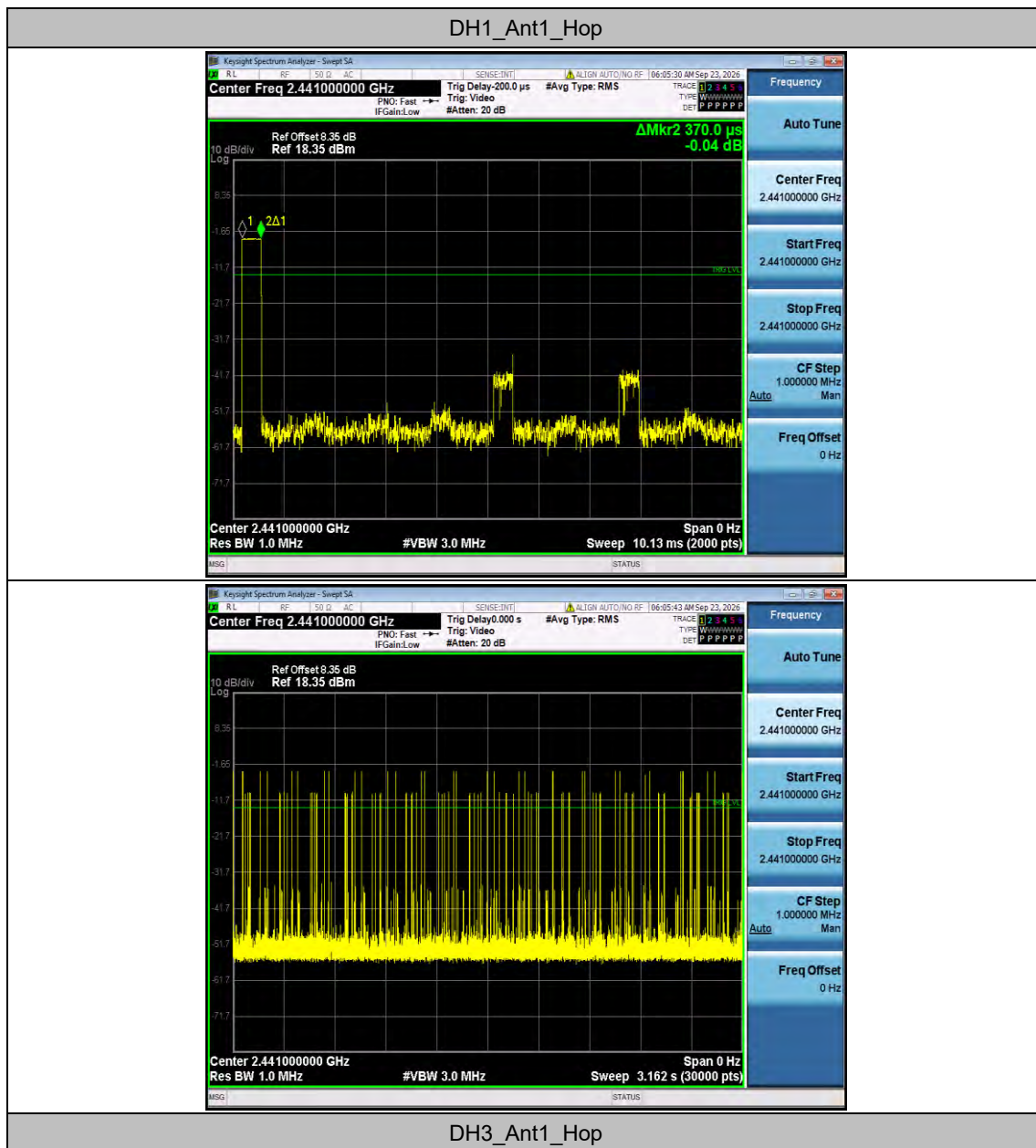


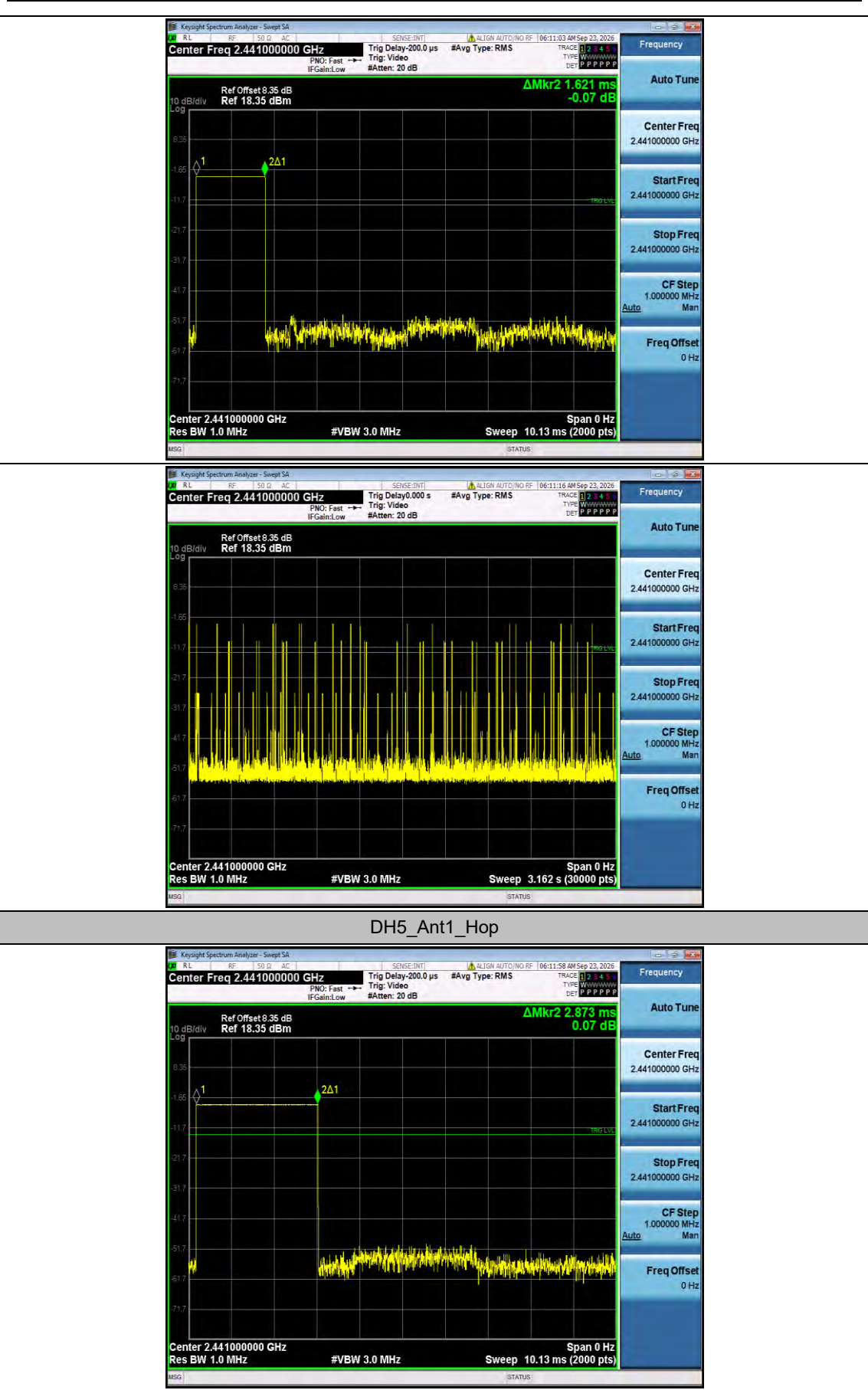
AppendixA.5: Time of occupancy

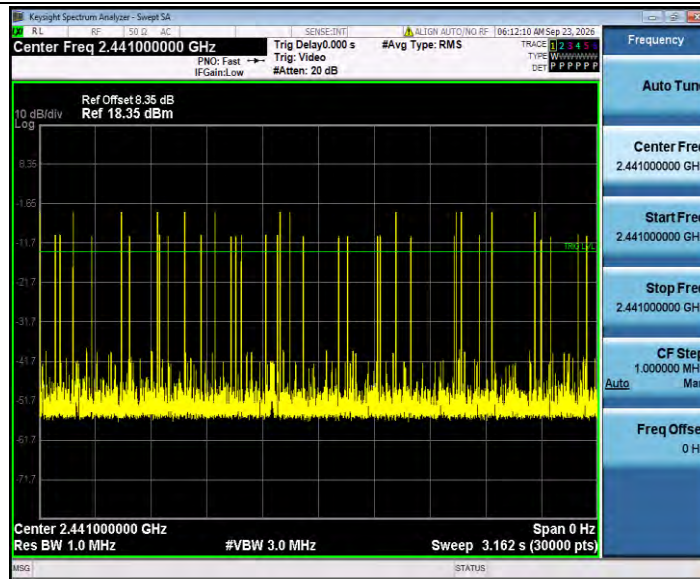
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.370	330	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.621	180	0.292	≤0.4	PASS
DH5	Ant1	Hop	2.873	130	0.373	≤0.4	PASS
2DH1	Ant1	Hop	0.375	320	0.12	≤0.4	PASS
2DH3	Ant1	Hop	1.631	140	0.228	≤0.4	PASS
2DH5	Ant1	Hop	2.878	130	0.374	≤0.4	PASS
3DH1	Ant1	Hop	0.375	320	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.626	130	0.211	≤0.4	PASS
3DH5	Ant1	Hop	2.883	100	0.288	≤0.4	PASS

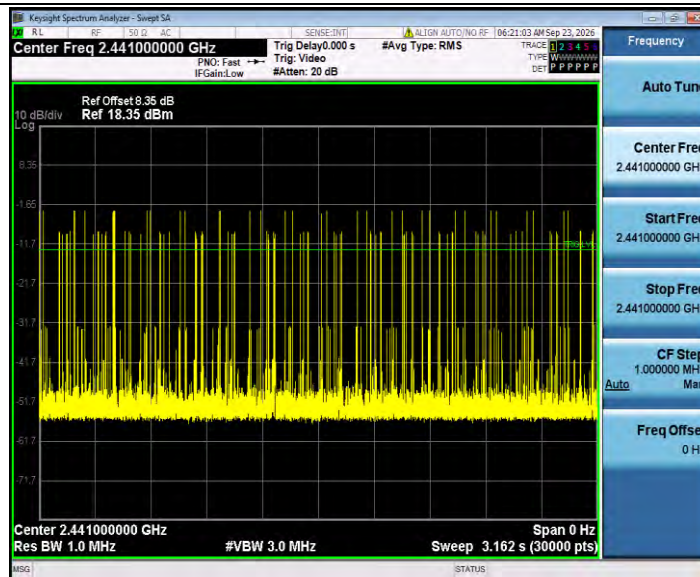
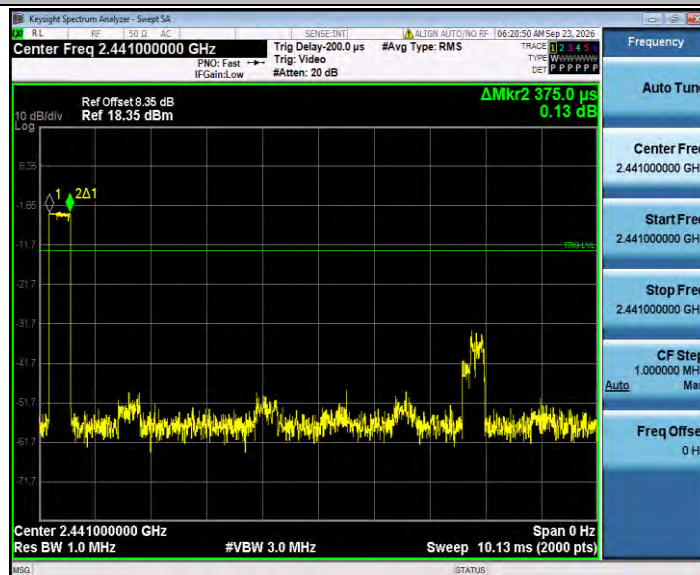
Test Graphs



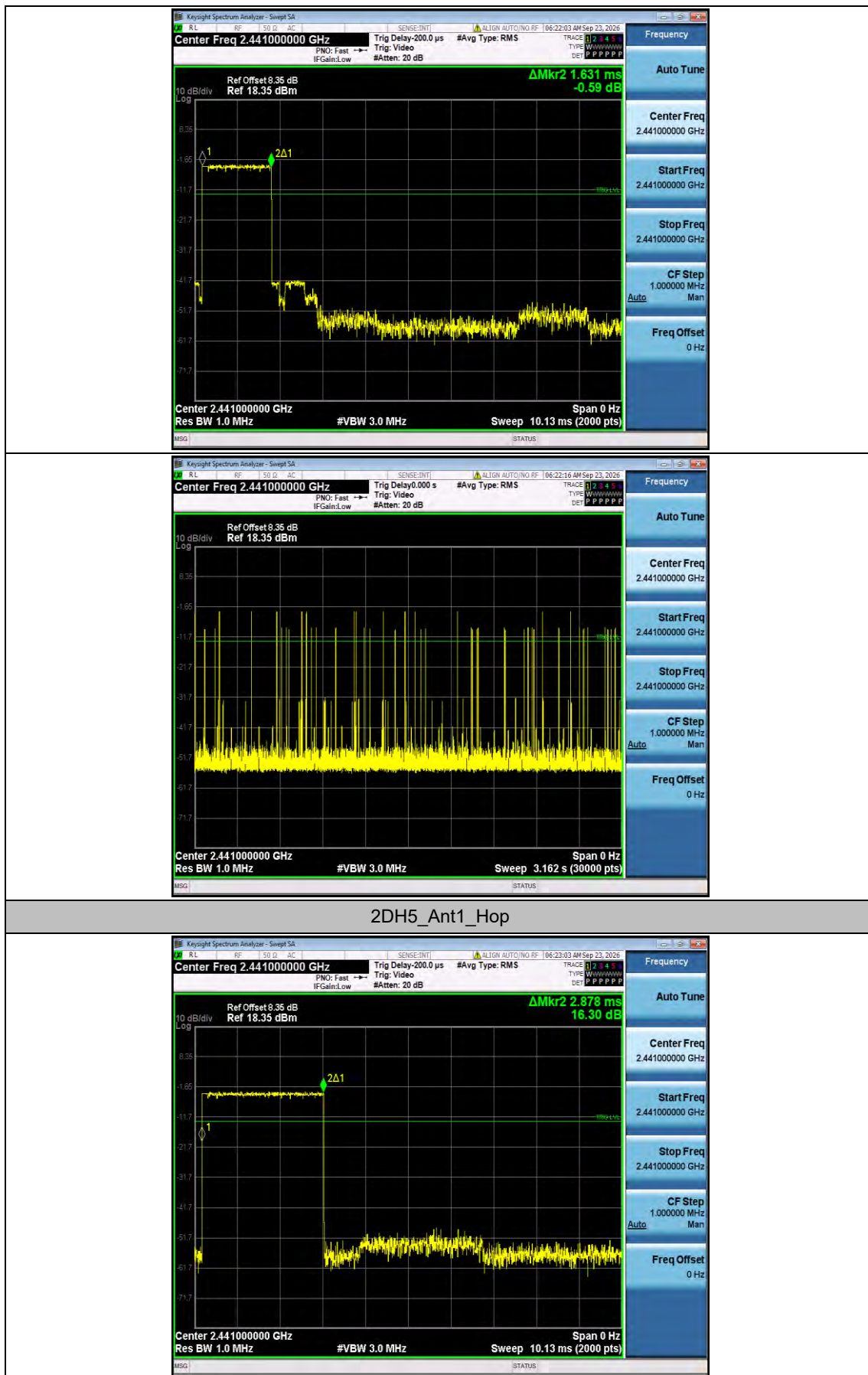


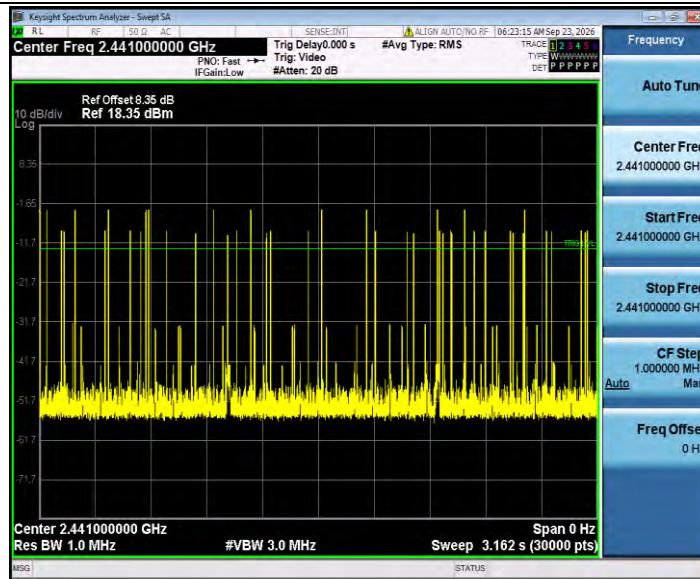


2DH1_Ant1_Hop

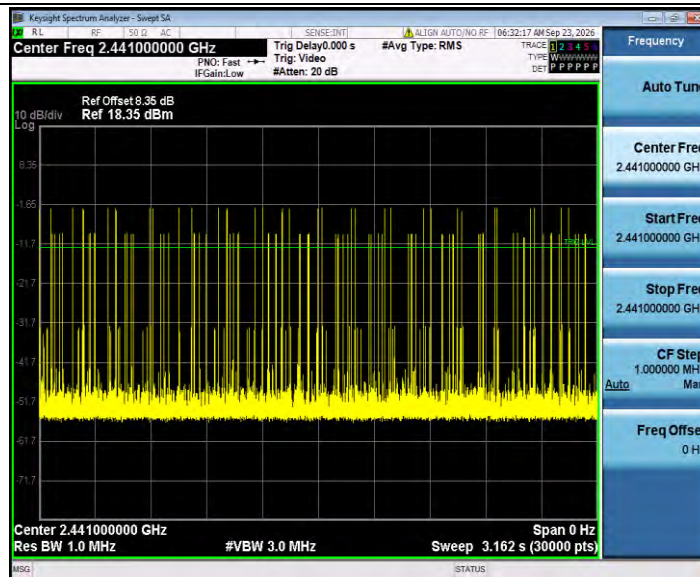
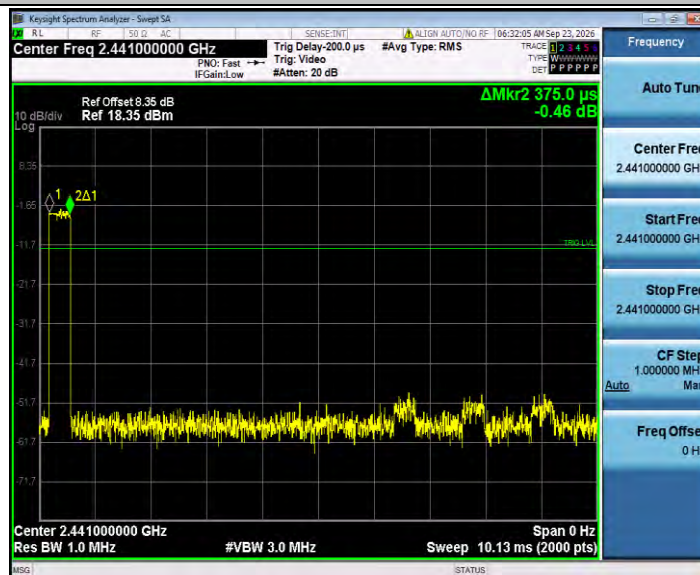


2DH3_Ant1_Hop

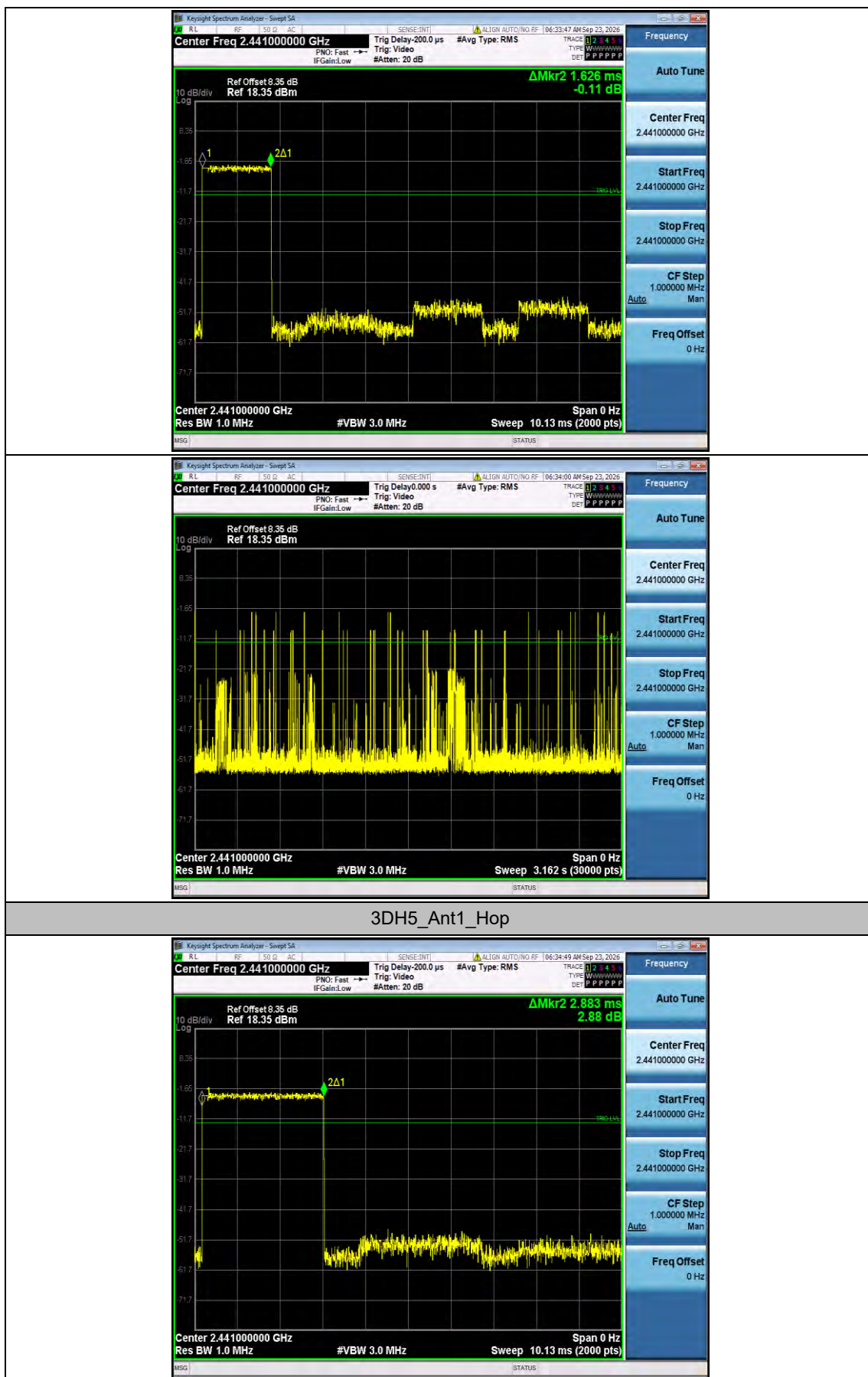




3DH1_Ant1_Hop



3DH3_Ant1_Hop



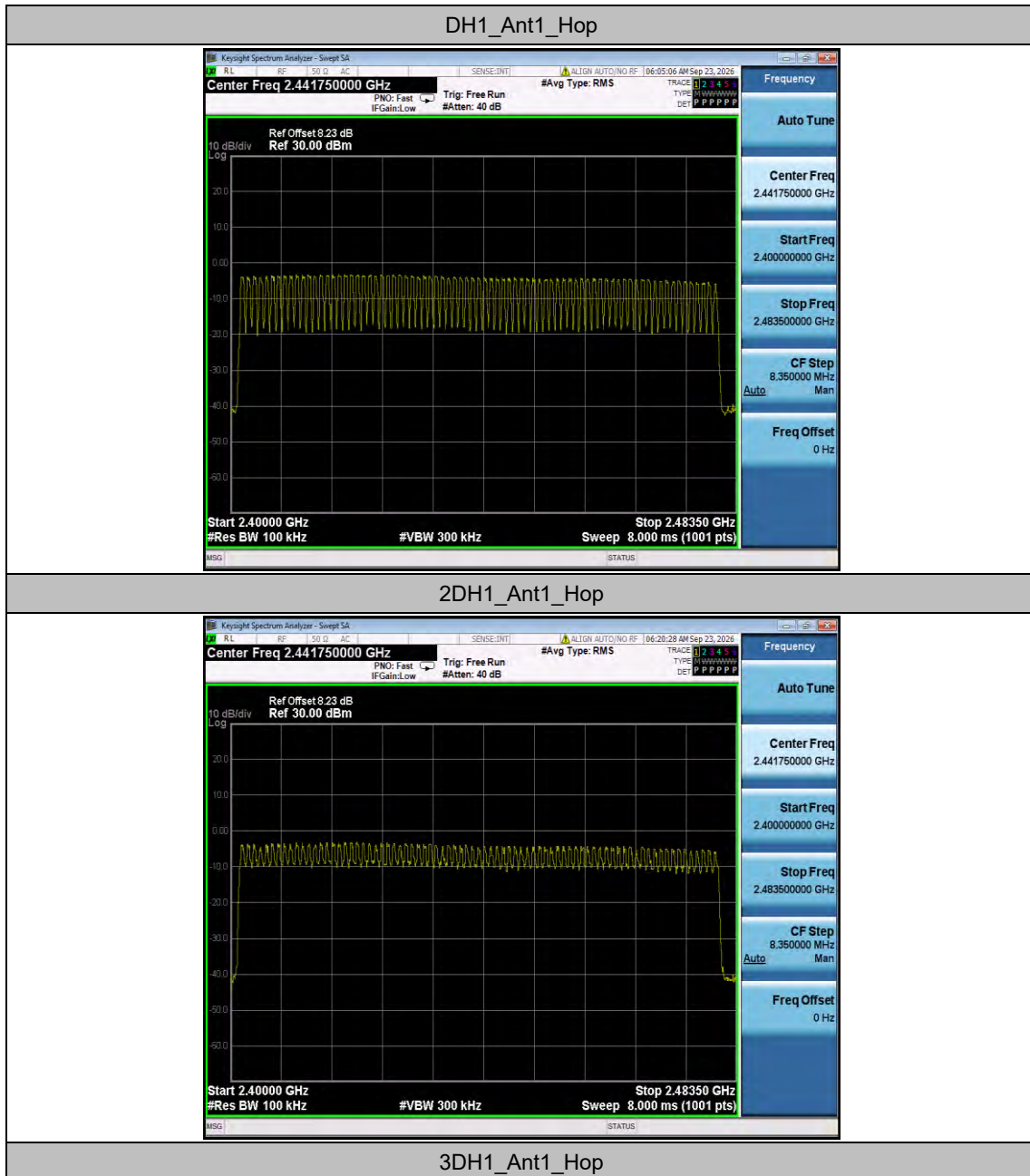


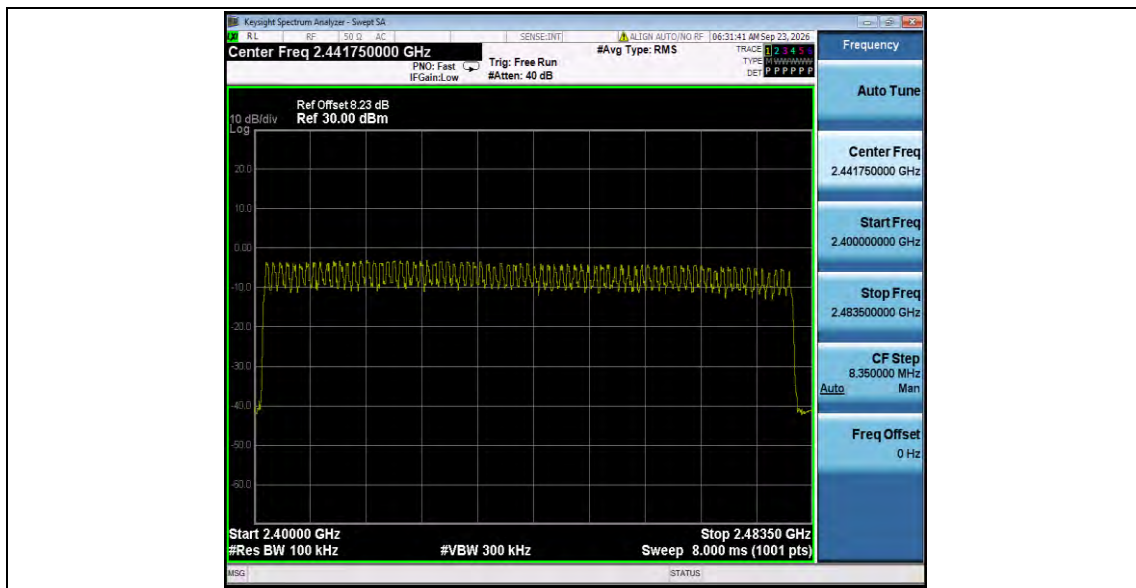
AppendixA.6: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs





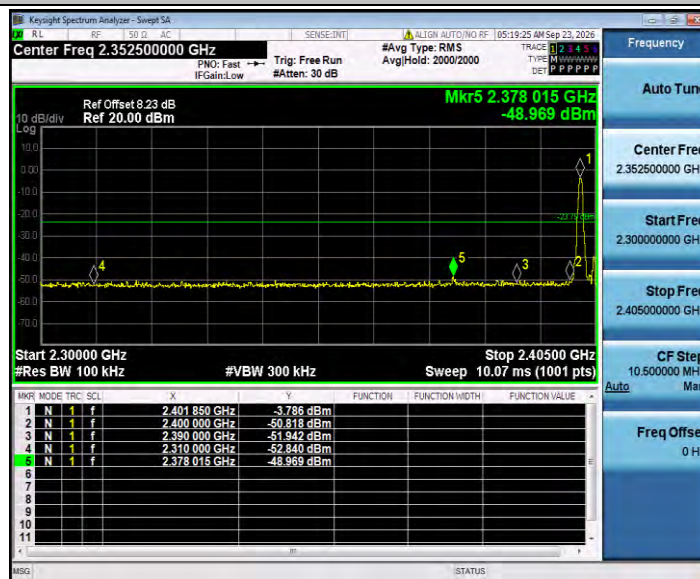
Appendix A.7: Band edge measurements

Test Result

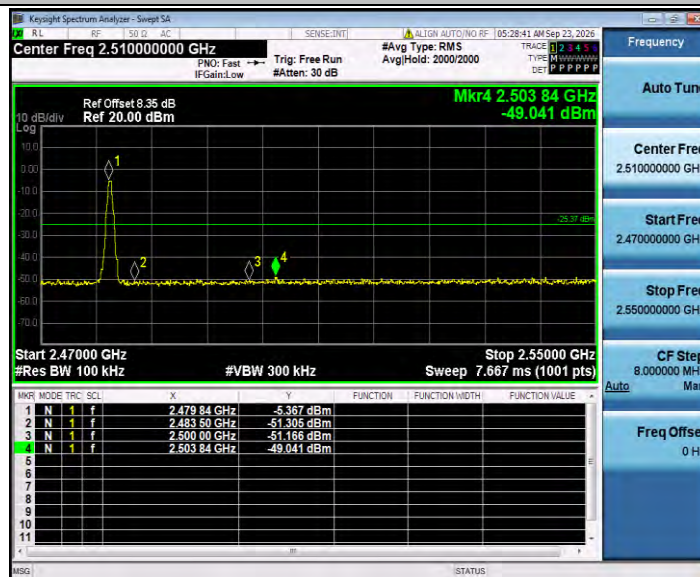
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	-3.79	-48.97	≤ -23.79	PASS
		High	2480	-5.37	-49.04	≤ -25.37	PASS
		Low	Hop_2402	-4.05	-49.25	≤ -24.05	PASS
		High	Hop_2480	-5.07	-35.6	≤ -25.07	PASS
2DH1	Ant1	Low	2402	-3.79	-50.11	≤ -23.79	PASS
		High	2480	-5.34	-26.95	≤ -25.34	PASS
		Low	Hop_2402	-3.88	-50.15	≤ -23.88	PASS
		High	Hop_2480	-5.06	-35.53	≤ -25.06	PASS
3DH1	Ant1	Low	2402	-3.83	-49	≤ -23.83	PASS
		High	2480	-5.34	-28.5	≤ -25.34	PASS
		Low	Hop_2402	-4.89	-49.42	≤ -24.89	PASS
		High	Hop_2480	-5.60	-34.18	≤ -25.6	PASS

Test Graphs

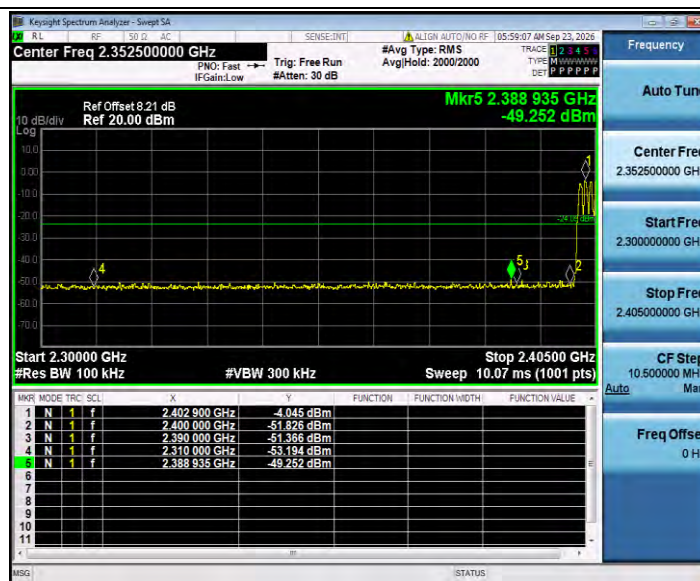
DH1_Ant1_Low_2402



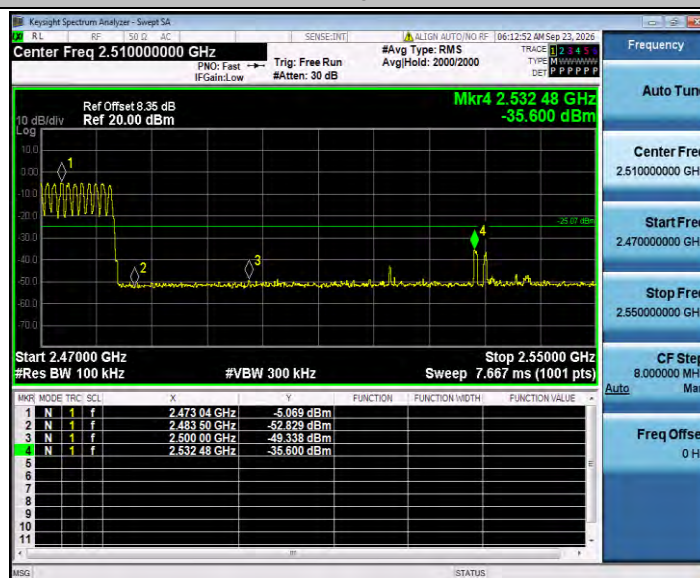
DH1_Ant1_High_2480



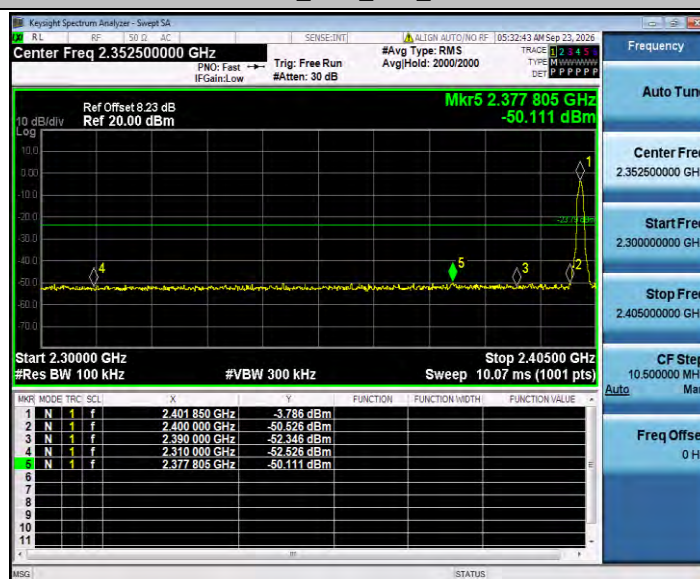
DH1_Ant1_Low_Hop_2402



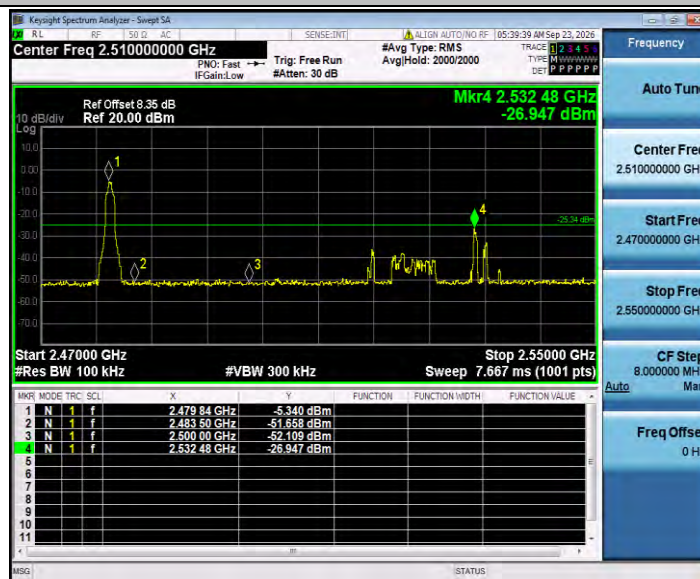
DH1_Ant1_High_Hop_2480



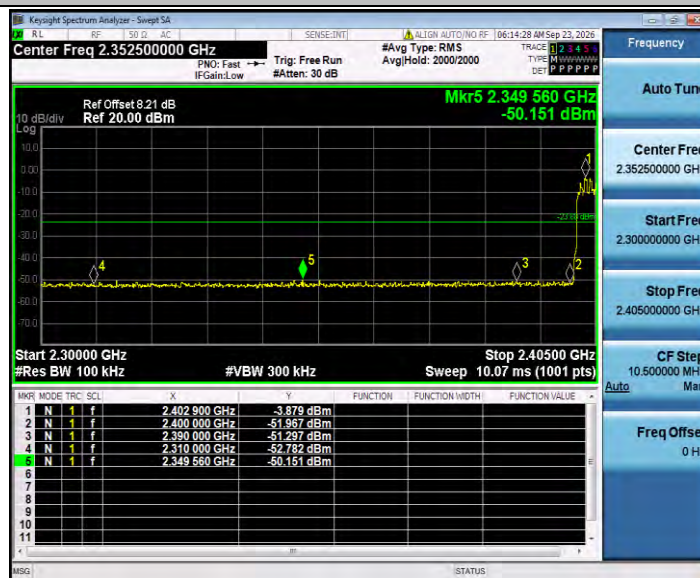
2DH1_Ant1_Low_2402



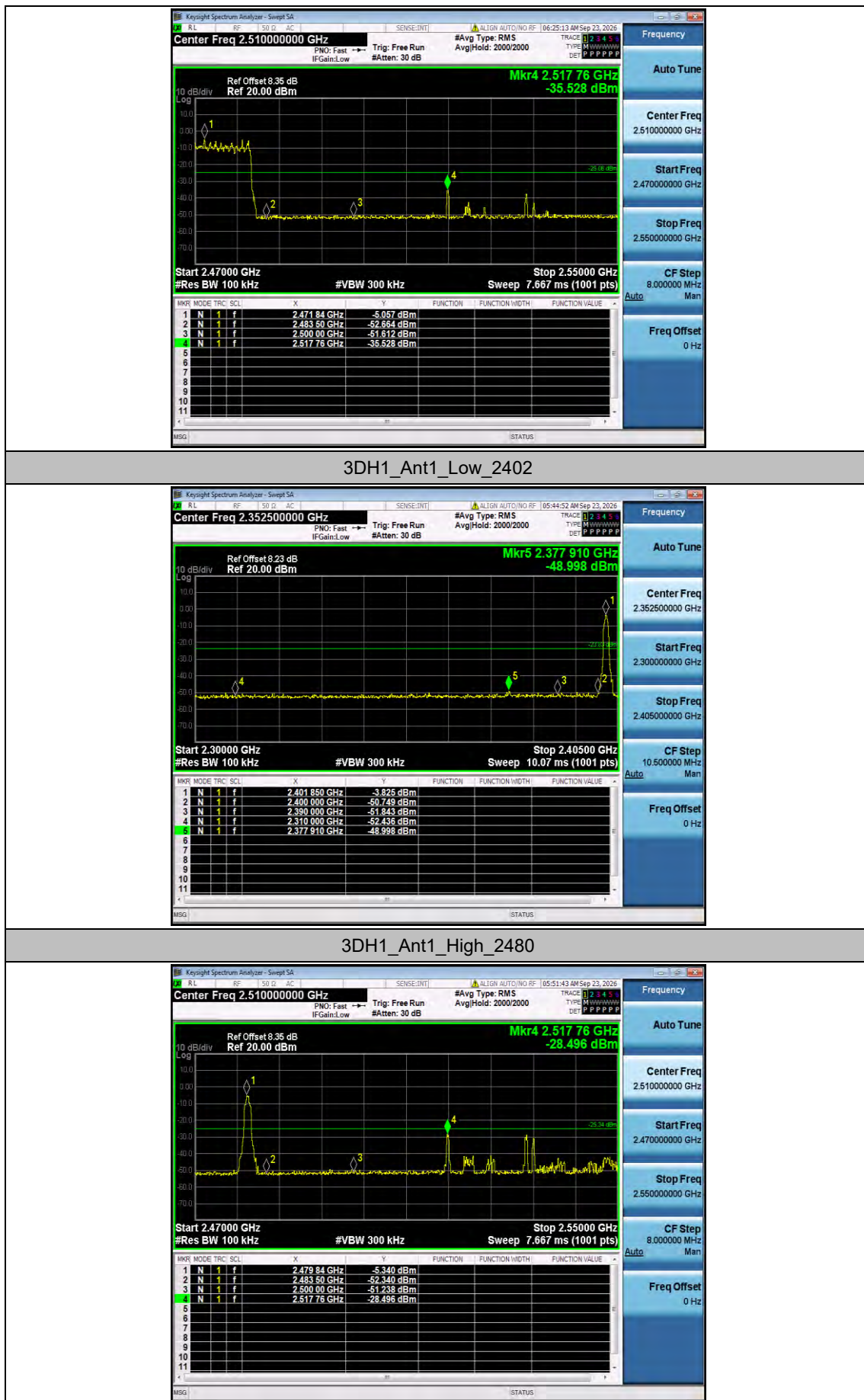
2DH1_Ant1_High_2480



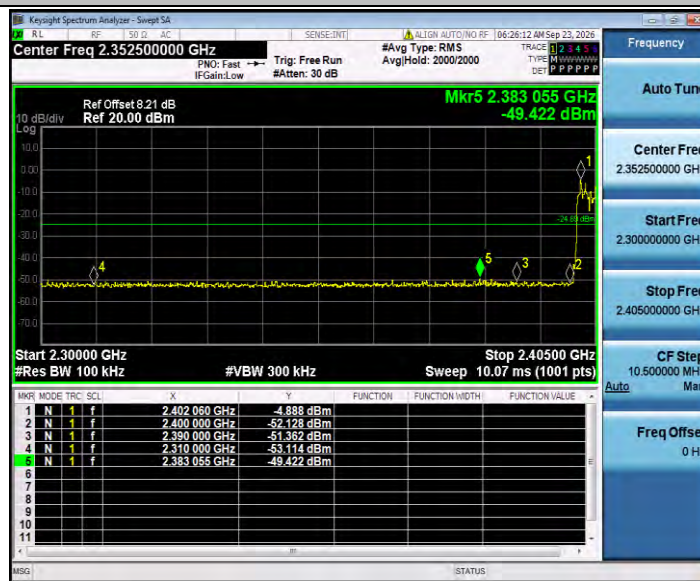
2DH1_Ant1_Low_Hop_2402



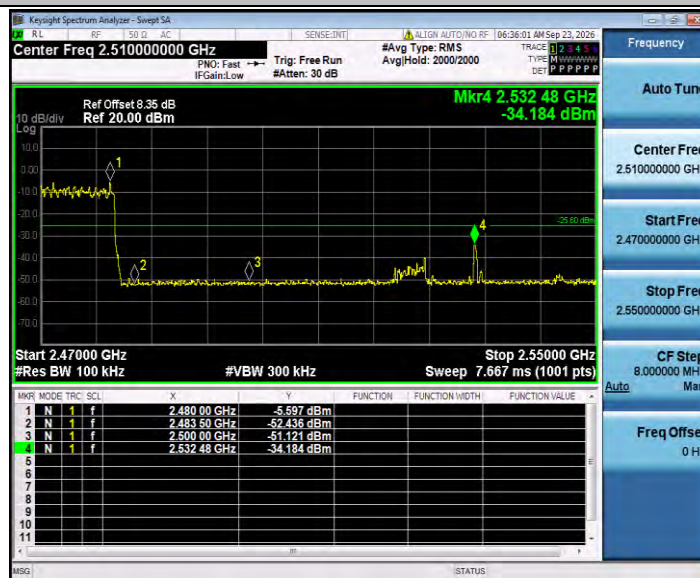
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

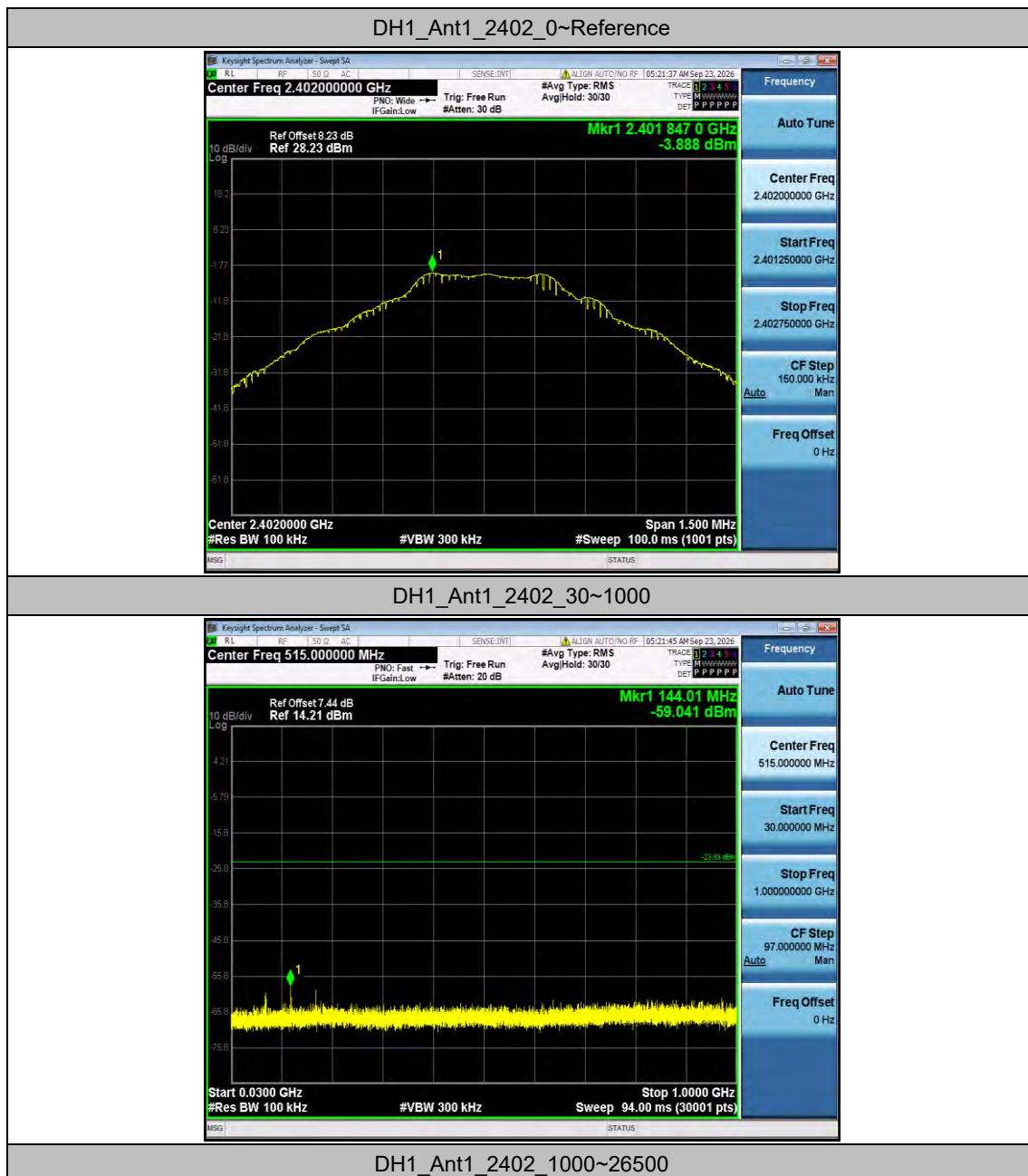


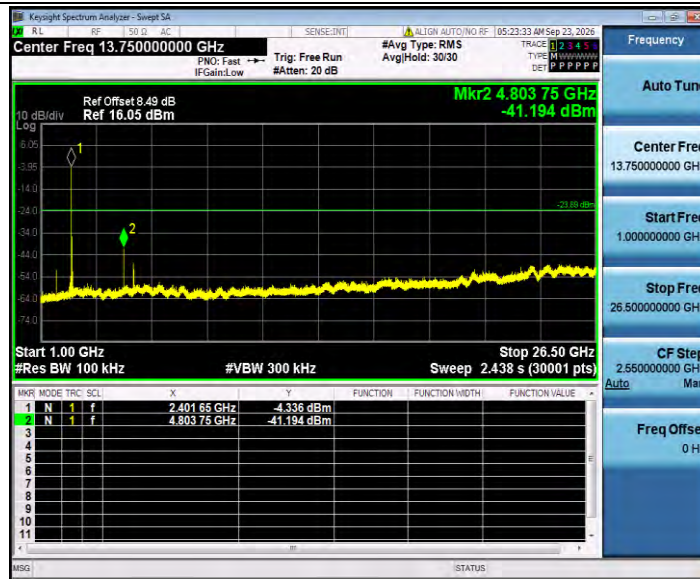
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	-3.89	-3.89	---	PASS
			30~1000	-3.89	-59.04	≤-23.89	PASS
			1000~26500	-3.89	-41.19	≤-23.89	PASS
		2441	Reference	-3.98	-3.98	---	PASS
			30~1000	-3.98	-58.91	≤-23.98	PASS
			1000~26500	-3.98	-40.86	≤-23.98	PASS
		2480	Reference	-5.49	-5.49	---	PASS
			30~1000	-5.49	-59.71	≤-25.49	PASS
			1000~26500	-5.49	-40.59	≤-25.49	PASS
2DH1	Ant1	2402	Reference	-3.94	-3.94	---	PASS
			30~1000	-3.94	-60.11	≤-23.94	PASS
			1000~26500	-3.94	-44.33	≤-23.94	PASS
		2441	Reference	-4.04	-4.04	---	PASS
			30~1000	-4.04	-59.31	≤-24.04	PASS
			1000~26500	-4.04	-30.6	≤-24.04	PASS
		2480	Reference	-5.49	-5.49	---	PASS
			30~1000	-5.49	-59.2	≤-25.49	PASS
			1000~26500	-5.49	-43.48	≤-25.49	PASS
3DH1	Ant1	2402	Reference	-3.93	-3.93	---	PASS
			30~1000	-3.93	-59.75	≤-23.93	PASS
			1000~26500	-3.93	-41.57	≤-23.93	PASS
		2441	Reference	-4.07	-4.07	---	PASS
			30~1000	-4.07	-59.19	≤-24.07	PASS
			1000~26500	-4.07	-42.97	≤-24.07	PASS
		2480	Reference	-5.49	-5.49	---	PASS
			30~1000	-5.49	-59	≤-25.49	PASS
			1000~26500	-5.49	-43.75	≤-25.49	PASS

Test Graphs

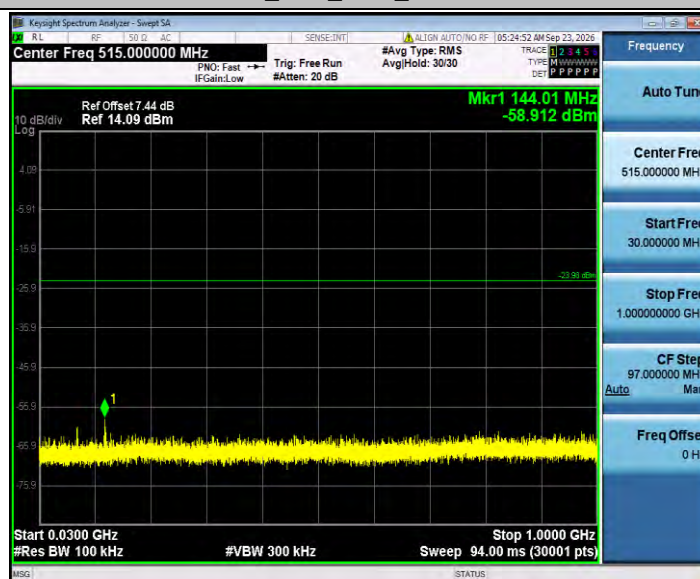




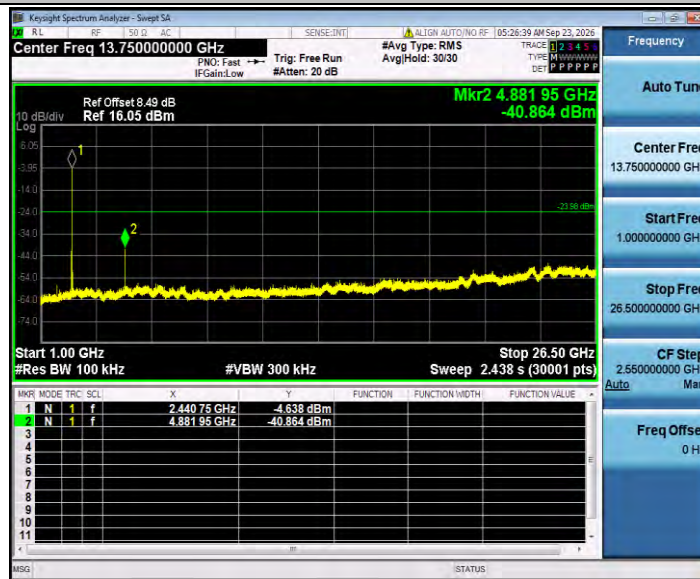
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



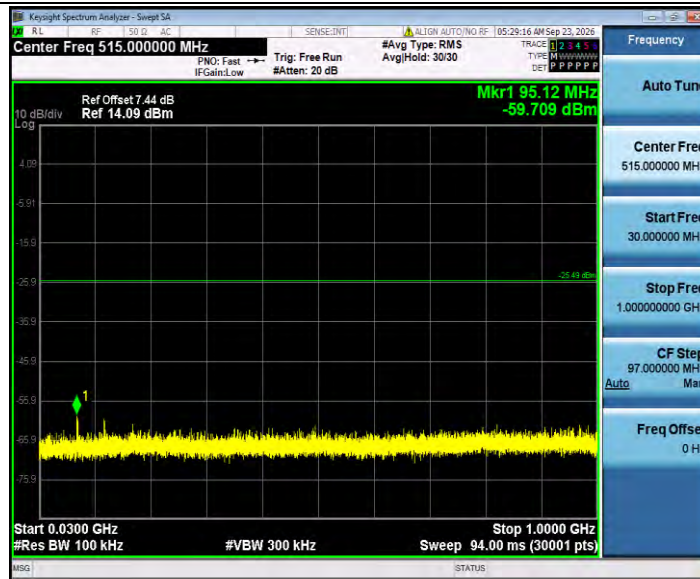
DH1_Ant1_2441_1000~26500



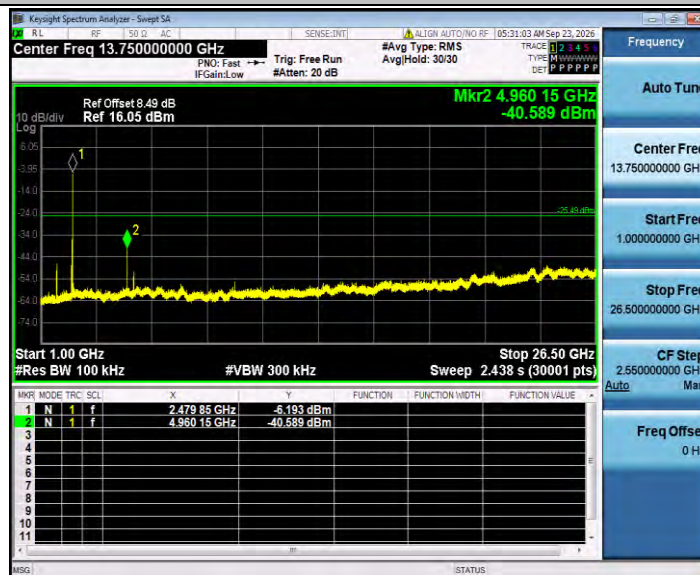
DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

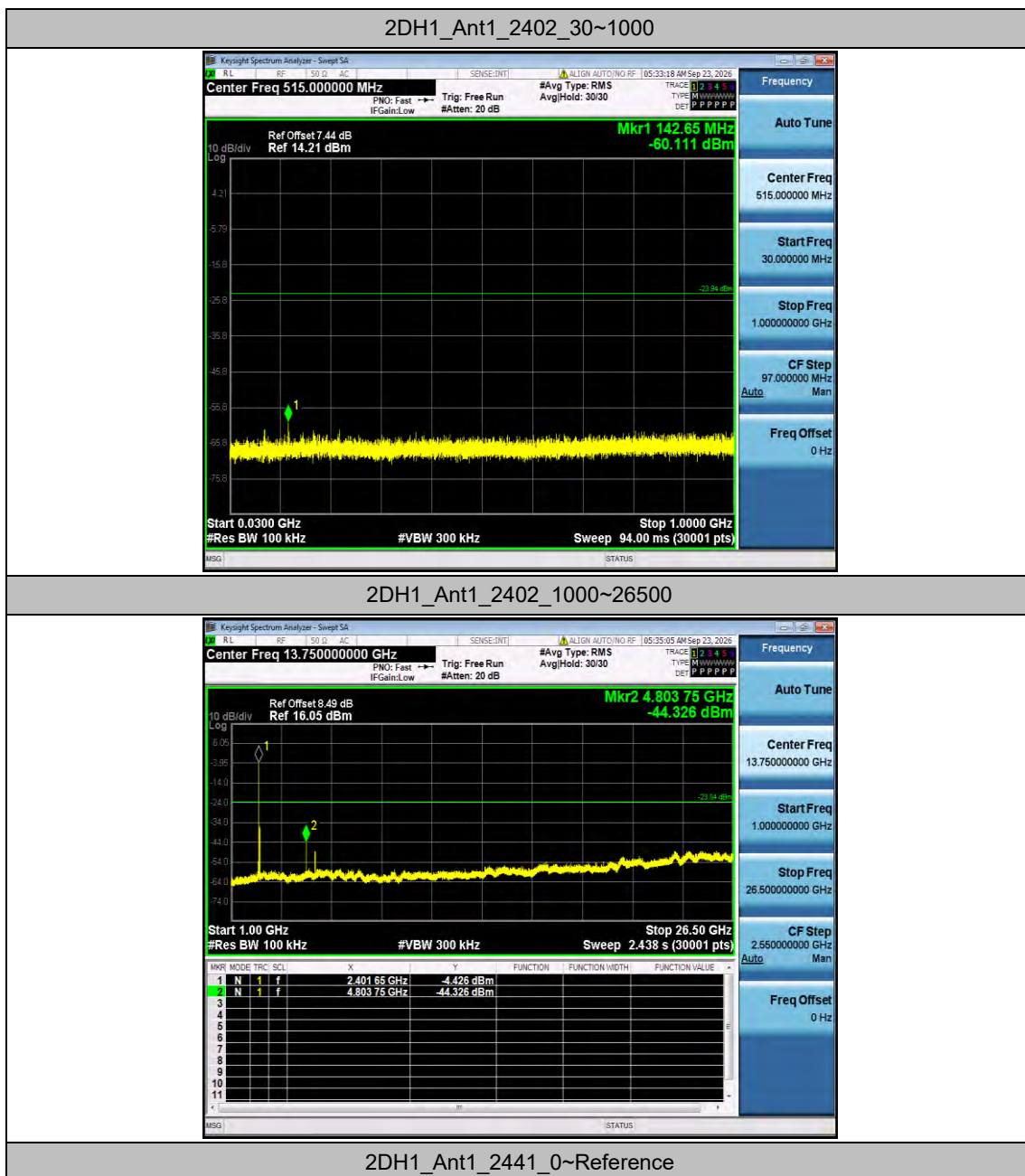


DH1_Ant1_2480_1000~26500



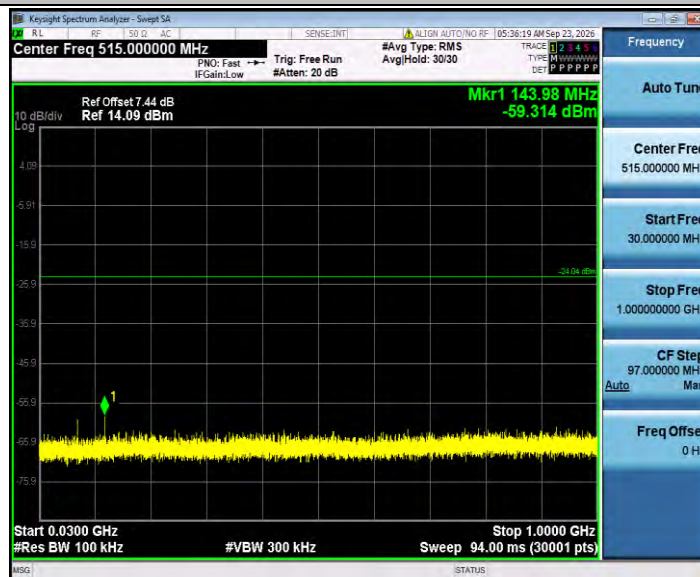
2DH1_Ant1_2402_0~Reference



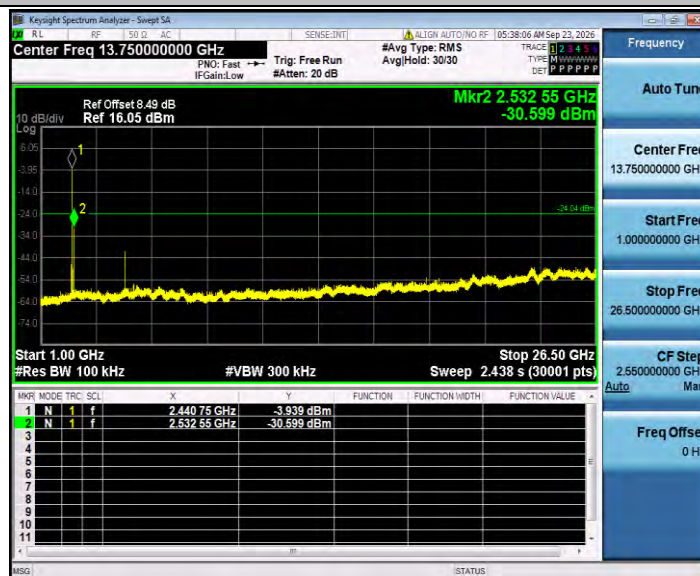




2DH1_Ant1_2441_30~1000



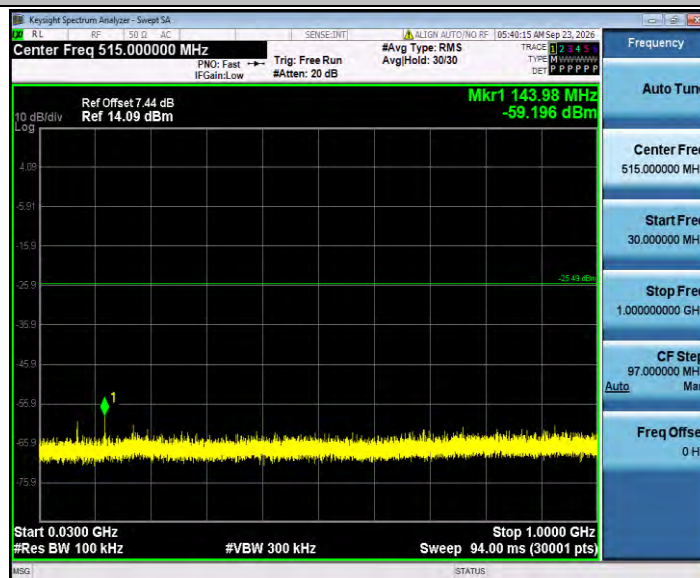
2DH1_Ant1_2441_1000~26500



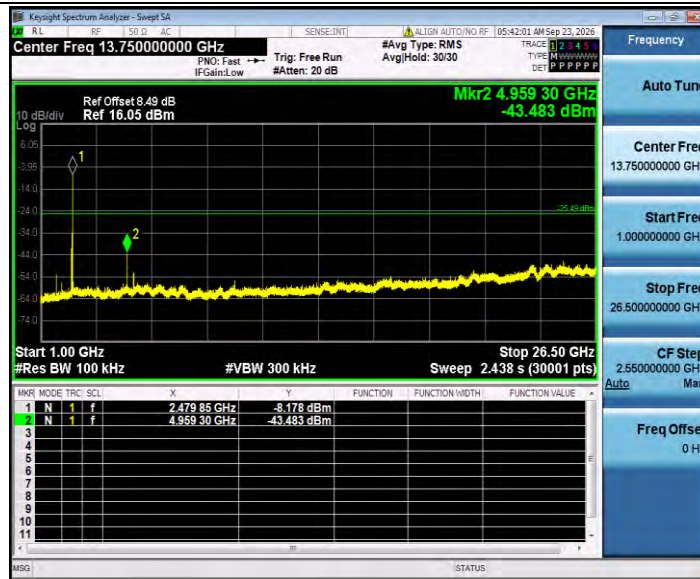
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



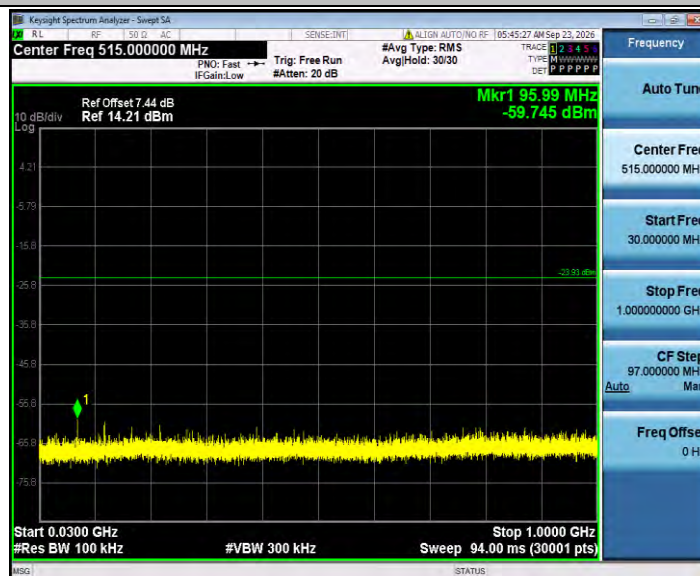
2DH1_Ant1_2480_1000~26500



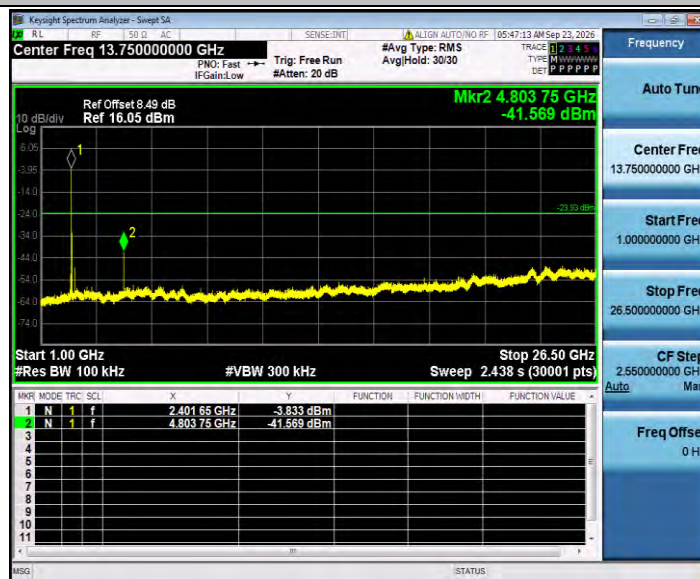
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



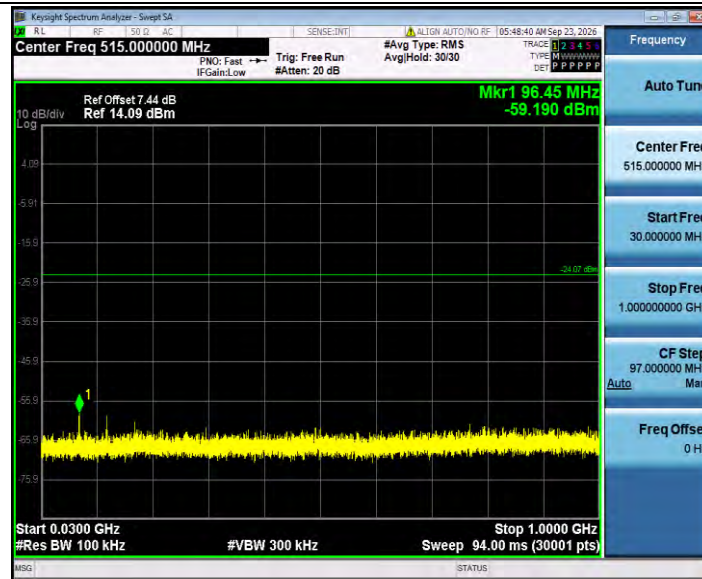
3DH1_Ant1_2402_1000~26500



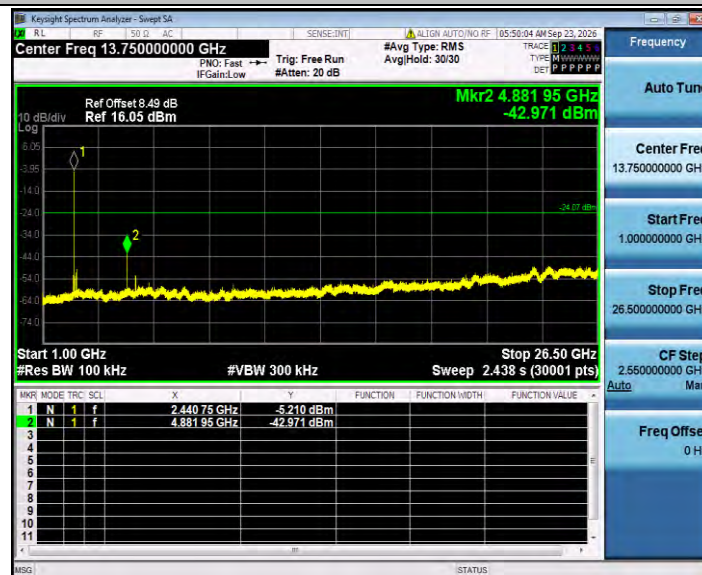
3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

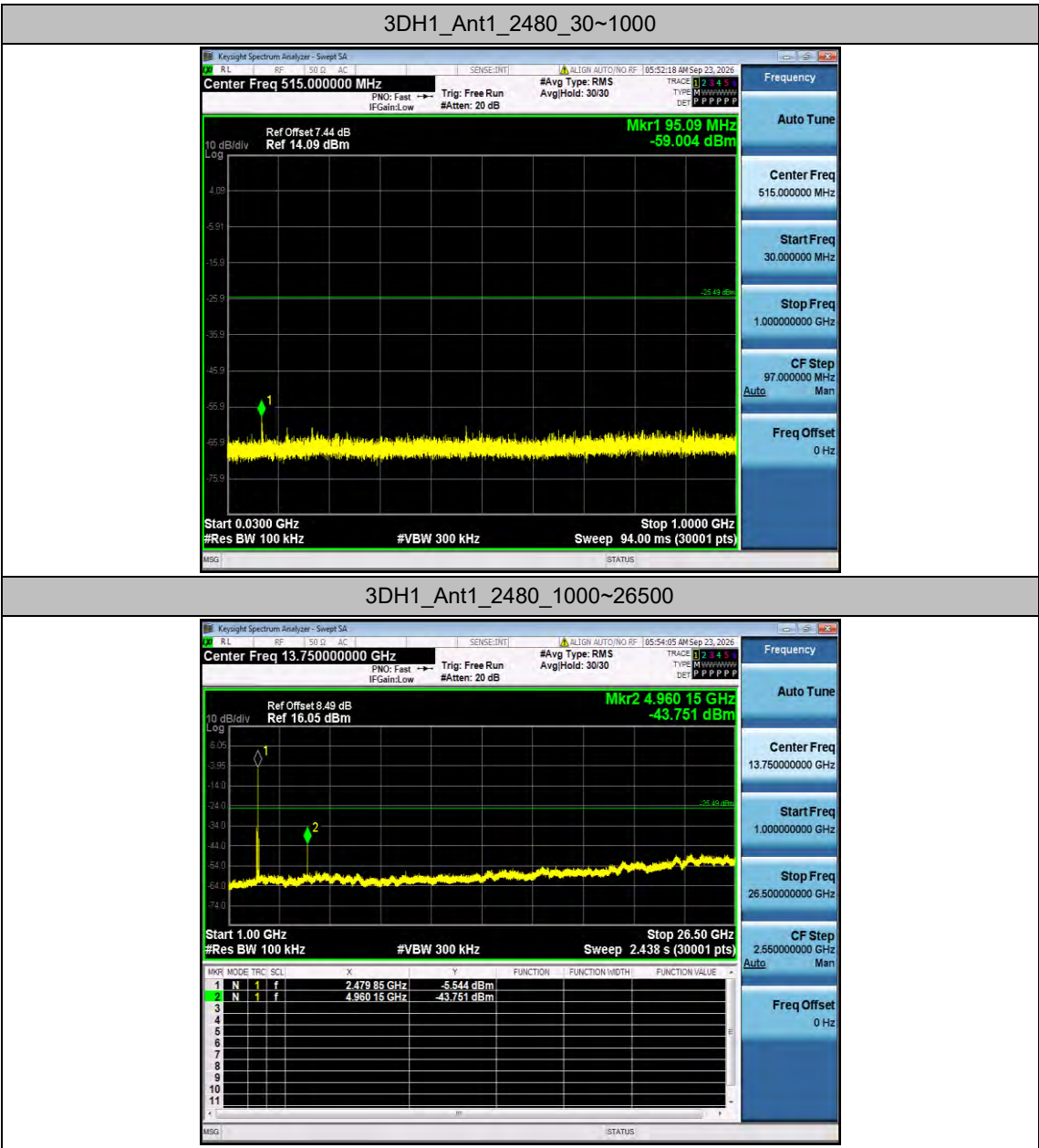


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

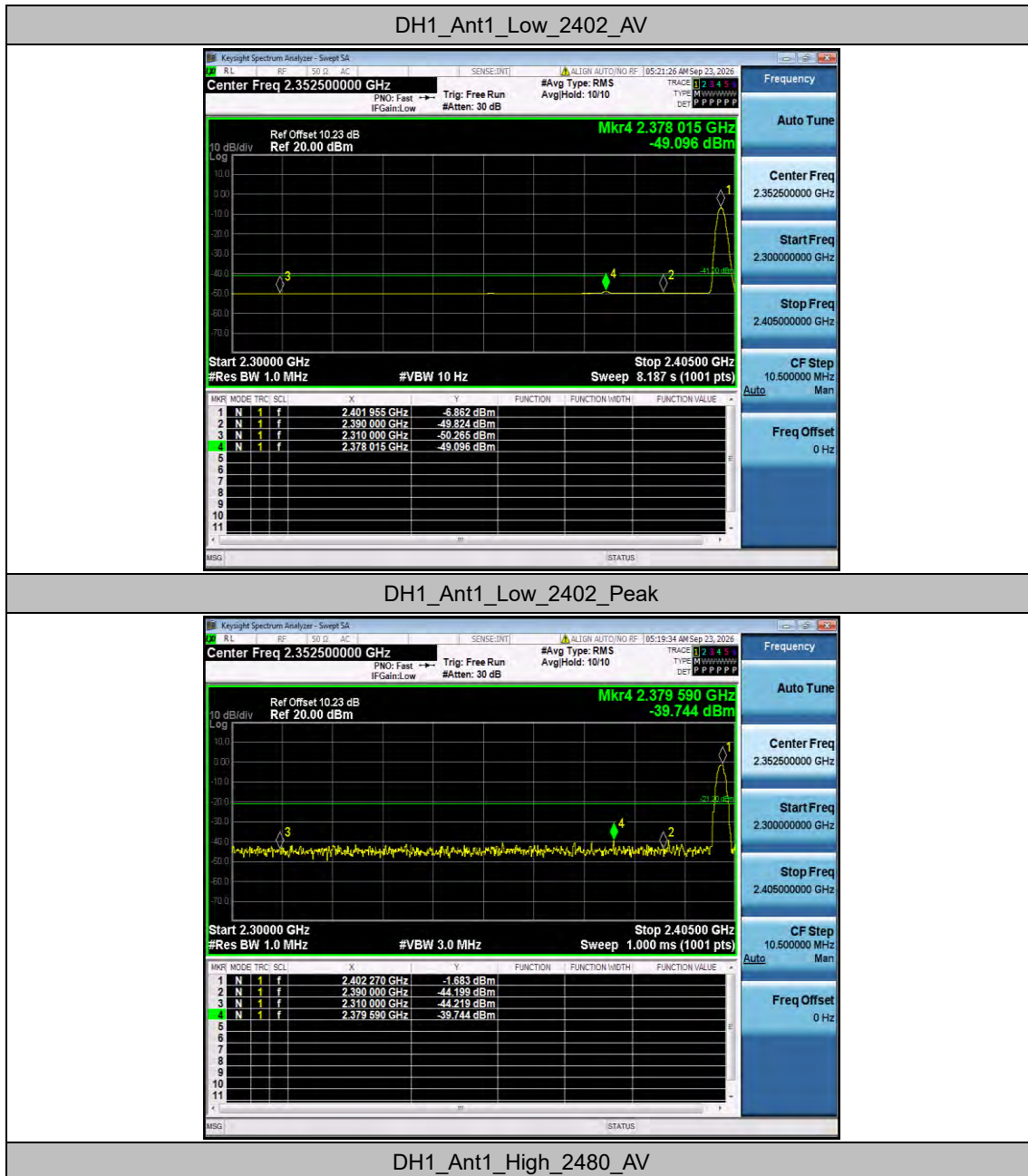
Test Result

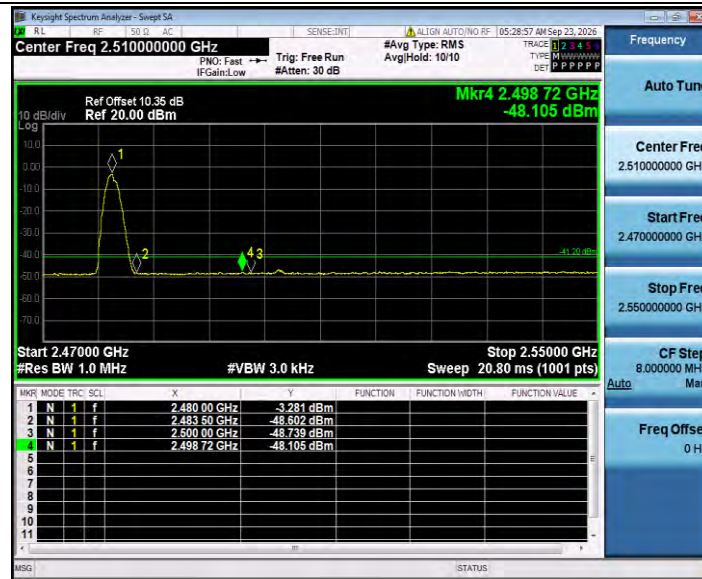
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-50.27	≤-41.20	44.93	≤54	PASS
				AV	2378.015	-49.1	≤-41.20	46.10	≤54	PASS
				AV	2390.000	-49.82	≤-41.20	45.38	≤54	PASS
				Peak	2310.000	-44.22	≤-21.20	50.98	≤74	PASS
				Peak	2379.590	-39.74	≤-21.20	55.46	≤74	PASS
				Peak	2390.000	-44.2	≤-21.20	51.00	≤74	PASS
		High	2480	AV	2483.500	-48.6	≤-41.20	46.60	≤54	PASS
				AV	2498.720	-48.1	≤-41.20	47.10	≤54	PASS
				AV	2500.000	-48.74	≤-41.20	46.46	≤54	PASS
				Peak	2483.500	-42.94	≤-21.20	52.26	≤74	PASS
				Peak	2499.040	-38.92	≤-21.20	56.28	≤74	PASS
				Peak	2500.000	-40.19	≤-21.20	55.01	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.75	≤-41.20	45.45	≤54	PASS
				AV	2377.805	-47.86	≤-41.20	47.34	≤54	PASS
				AV	2390.000	-48.97	≤-41.20	46.23	≤54	PASS
				Peak	2310.000	-41.32	≤-21.20	53.88	≤74	PASS
				Peak	2377.280	-38.83	≤-21.20	56.37	≤74	PASS
				Peak	2390.000	-42.11	≤-21.20	53.09	≤74	PASS
		High	2480	AV	2483.500	-48.74	≤-41.20	46.46	≤54	PASS
				AV	2496.800	-48.19	≤-41.20	47.01	≤54	PASS
				AV	2500.000	-48.57	≤-41.20	46.63	≤54	PASS
				Peak	2483.500	-40.67	≤-21.20	54.53	≤74	PASS
				Peak	2494.080	-38.7	≤-21.20	56.50	≤74	PASS
				Peak	2500.000	-40.99	≤-21.20	54.21	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.38	≤-41.20	45.82	≤54	PASS
				AV	2377.805	-47.29	≤-41.20	47.91	≤54	PASS
				AV	2390.000	-49.24	≤-41.20	45.96	≤54	PASS
				Peak	2310.000	-42.87	≤-21.20	52.33	≤74	PASS
				Peak	2350.925	-38.86	≤-21.20	56.34	≤74	PASS
				Peak	2390.000	-40.84	≤-21.20	54.36	≤74	PASS
		High	2480	AV	2483.500	-48.7	≤-41.20	46.50	≤54	PASS
				AV	2496.480	-47.79	≤-41.20	47.41	≤54	PASS
				AV	2500.000	-48.47	≤-41.20	46.73	≤54	PASS
				Peak	2483.500	-40.55	≤-21.20	54.65	≤74	PASS
				Peak	2499.600	-39.44	≤-21.20	55.76	≤74	PASS
				Peak	2500.000	-42.24	≤-21.20	52.96	≤74	PASS

Note:

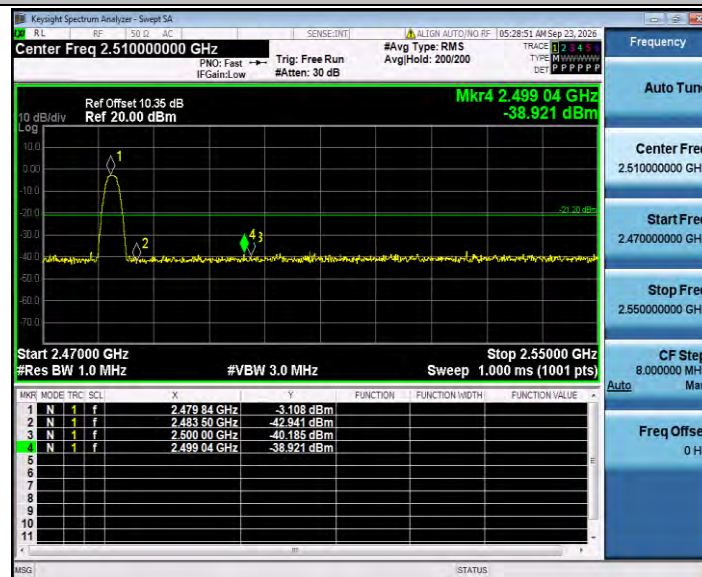
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

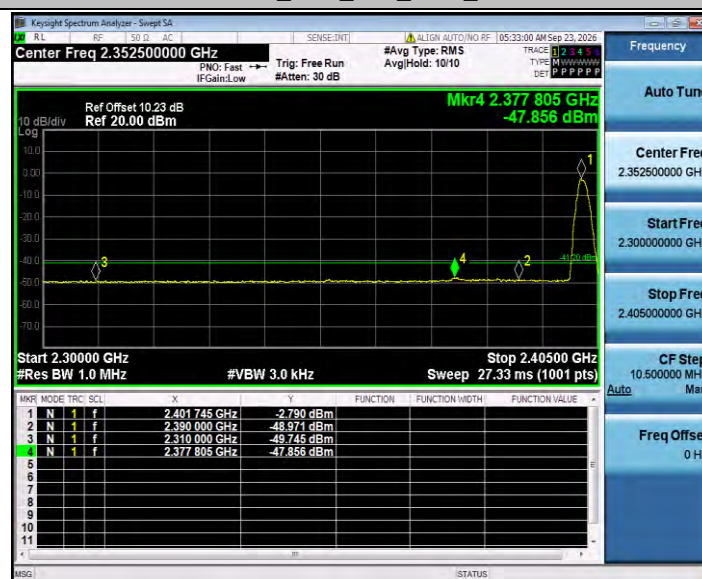




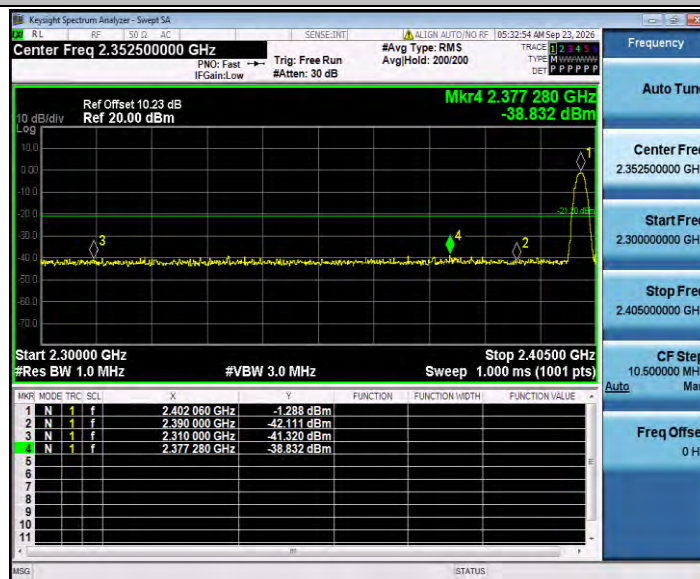
DH1_Ant1_High_2480_Peak



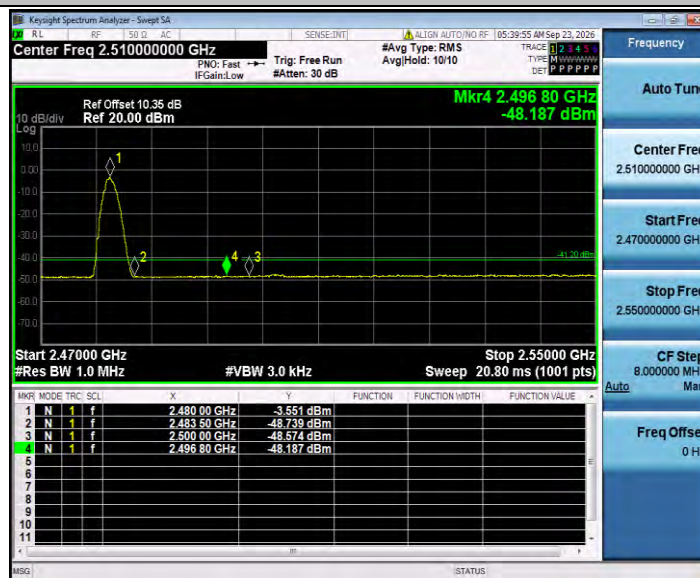
2DH1_Ant1_Low_2402_AV



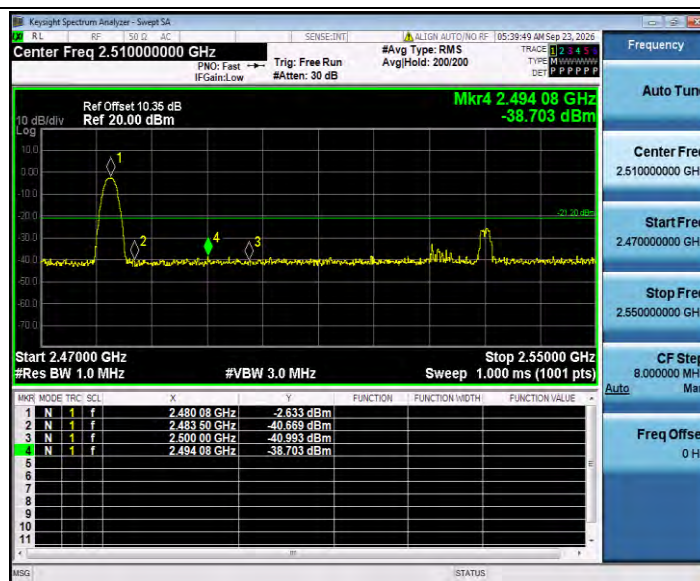
2DH1_Ant1_Low_2402_Peak



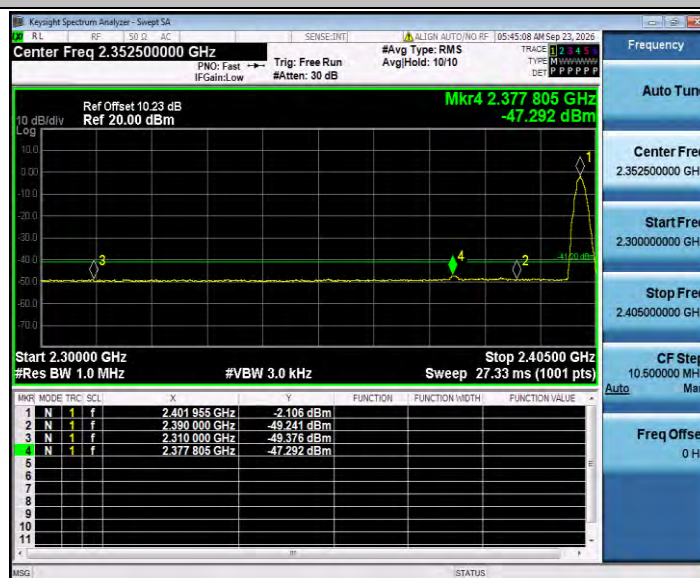
2DH1_Ant1_High_2480_AV



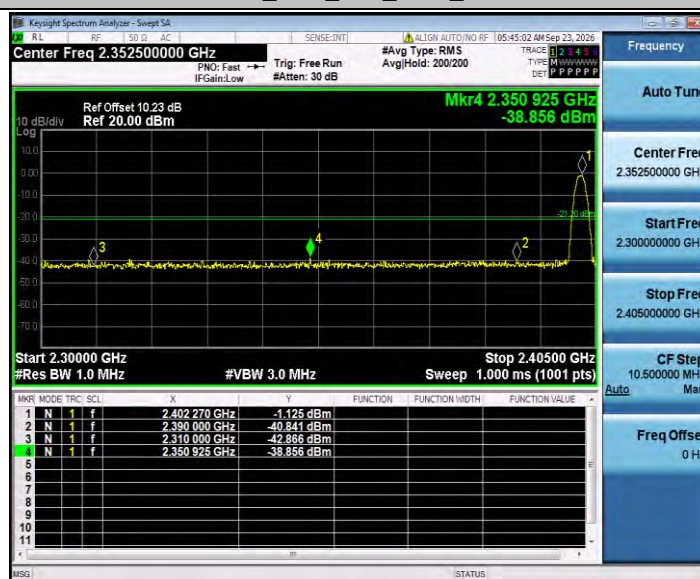
2DH1_Ant1_High_2480_Peak

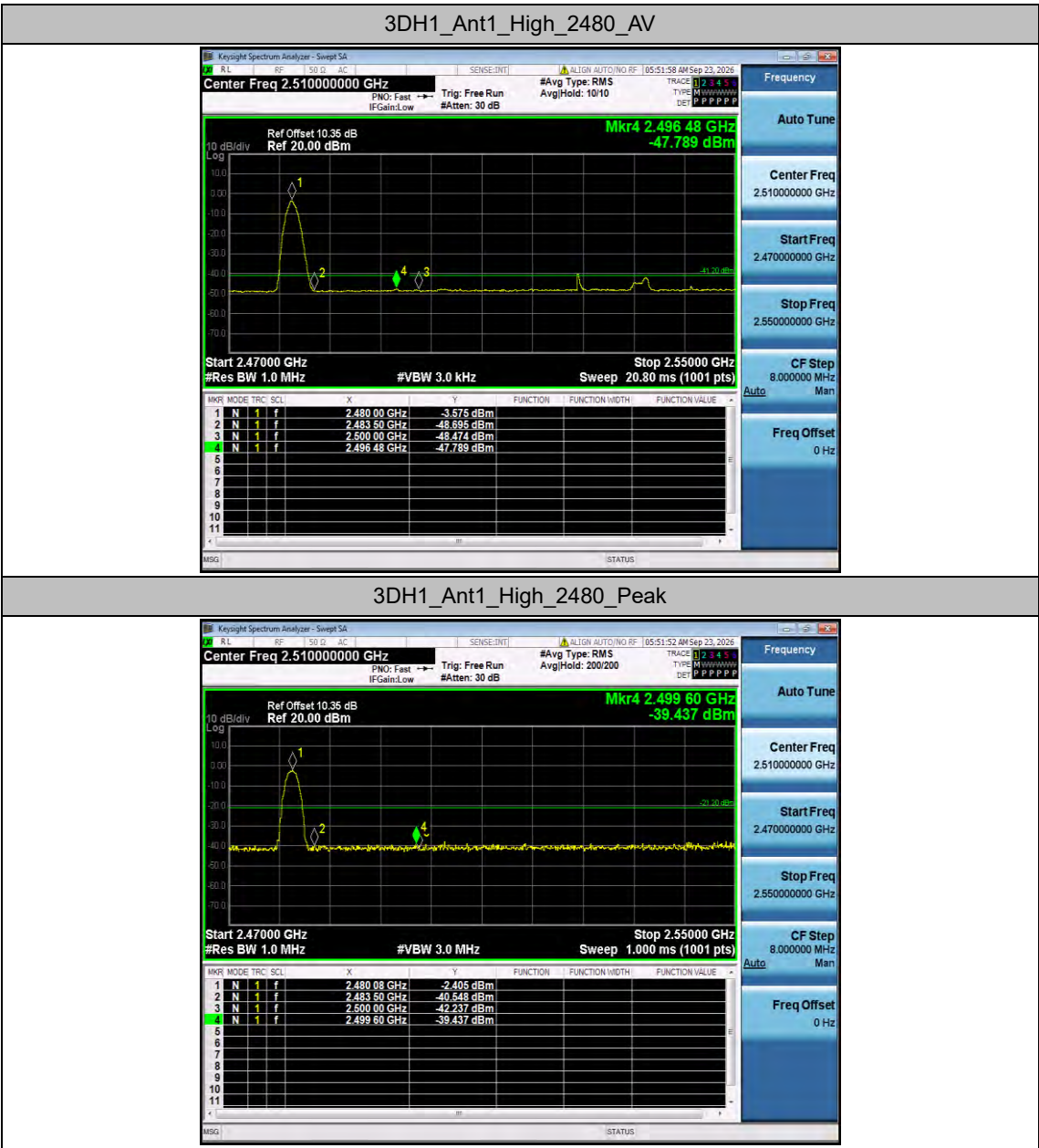


3DH1_Ant1_Low_2402_AV



3DH1_Ant1_Low_2402_Peak





3DH1_Ant1_High_2480_Peak

Frequency

Auto Tune

Center Freq
2.510000000 GHzStart Freq
2.470000000 GHzStop Freq
2.550000000 GHzCF Step
8.000000 MHz
AutoFreq Offset
0 Hz