

Case No. : <u>GTS20260312012-1-08</u>
Ambient Condition: <u>24</u> °C, <u>51</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.3.16-2026.4.7</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	0.915	2401.571	2402.486	---	---
		2441	0.939	2440.550	2441.489	---	---
		2480	0.924	2479.553	2480.477	---	---
2DH1	Ant1	2402	1.305	2401.349	2402.654	---	---
		2441	1.320	2440.349	2441.669	---	---
		2480	1.314	2479.349	2480.663	---	---
3DH1	Ant1	2402	1.275	2401.373	2402.648	---	---
		2441	1.269	2440.373	2441.642	---	---
		2480	1.275	2479.379	2480.654	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



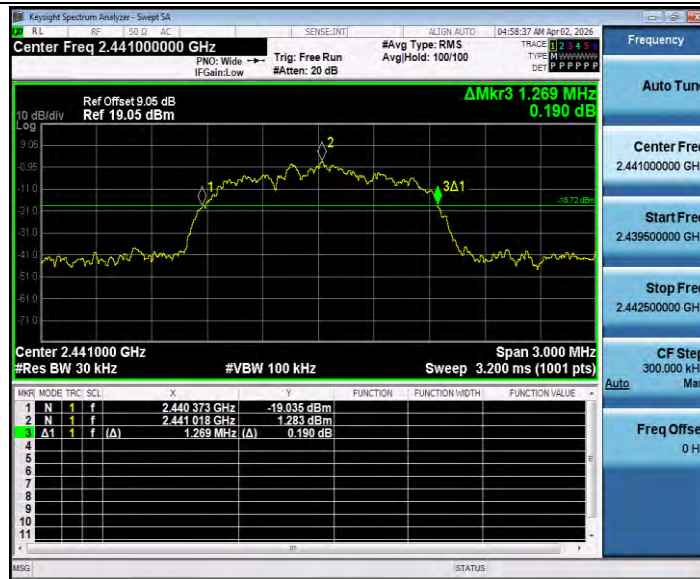
2DH1_Ant1_2480



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	0.84577	2401.5943	2402.4401	---	---
		2441	0.84332	2440.5990	2441.4423	---	---
		2480	0.84763	2479.5915	2480.4391	---	---
2DH1	Ant1	2402	1.1754	2401.4118	2402.5872	---	---
		2441	1.1764	2440.4199	2441.5963	---	---
		2480	1.1776	2479.4221	2480.5997	---	---
3DH1	Ant1	2402	1.1622	2401.4440	2402.6062	---	---
		2441	1.1633	2440.4430	2441.6063	---	---
		2480	1.1653	2479.4447	2480.6100	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DHI_Ant1_2402



2DHI_Ant1_2441



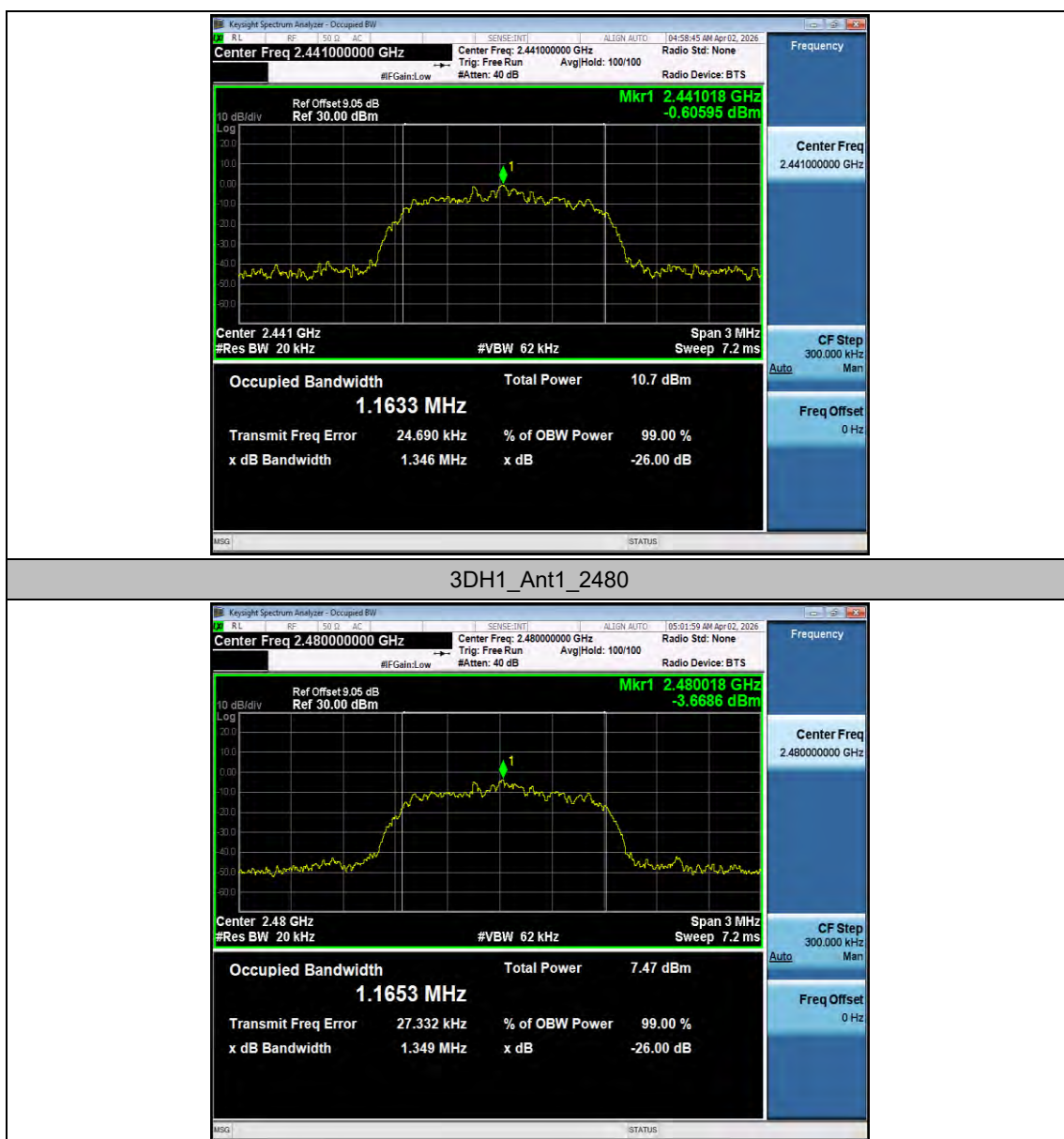
2DH1_Ant1_2480



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	8.87	≤ 20.97	PASS
		2441	7.79	≤ 20.97	PASS
		2480	5.94	≤ 20.97	PASS
2DH1	Ant1	2402	8.38	≤ 20.97	PASS
		2441	7.22	≤ 20.97	PASS
		2480	4.42	≤ 20.97	PASS
3DH1	Ant1	2402	9.33	≤ 20.97	PASS
		2441	8.29	≤ 20.97	PASS
		2480	5.22	≤ 20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.316	≥ 0.626	PASS
		Hop_2441	0.686	≥ 0.626	PASS
		Hop_2480	0.994	≥ 0.626	PASS
2DH1	Ant1	Hop_2402	0.996	≥ 0.880	PASS
		Hop_2441	1.026	≥ 0.880	PASS
		Hop_2480	1.008	≥ 0.880	PASS
3DH1	Ant1	Hop_2402	1.018	≥ 0.850	PASS
		Hop_2441	1.02	≥ 0.850	PASS
		Hop_2480	1.024	≥ 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

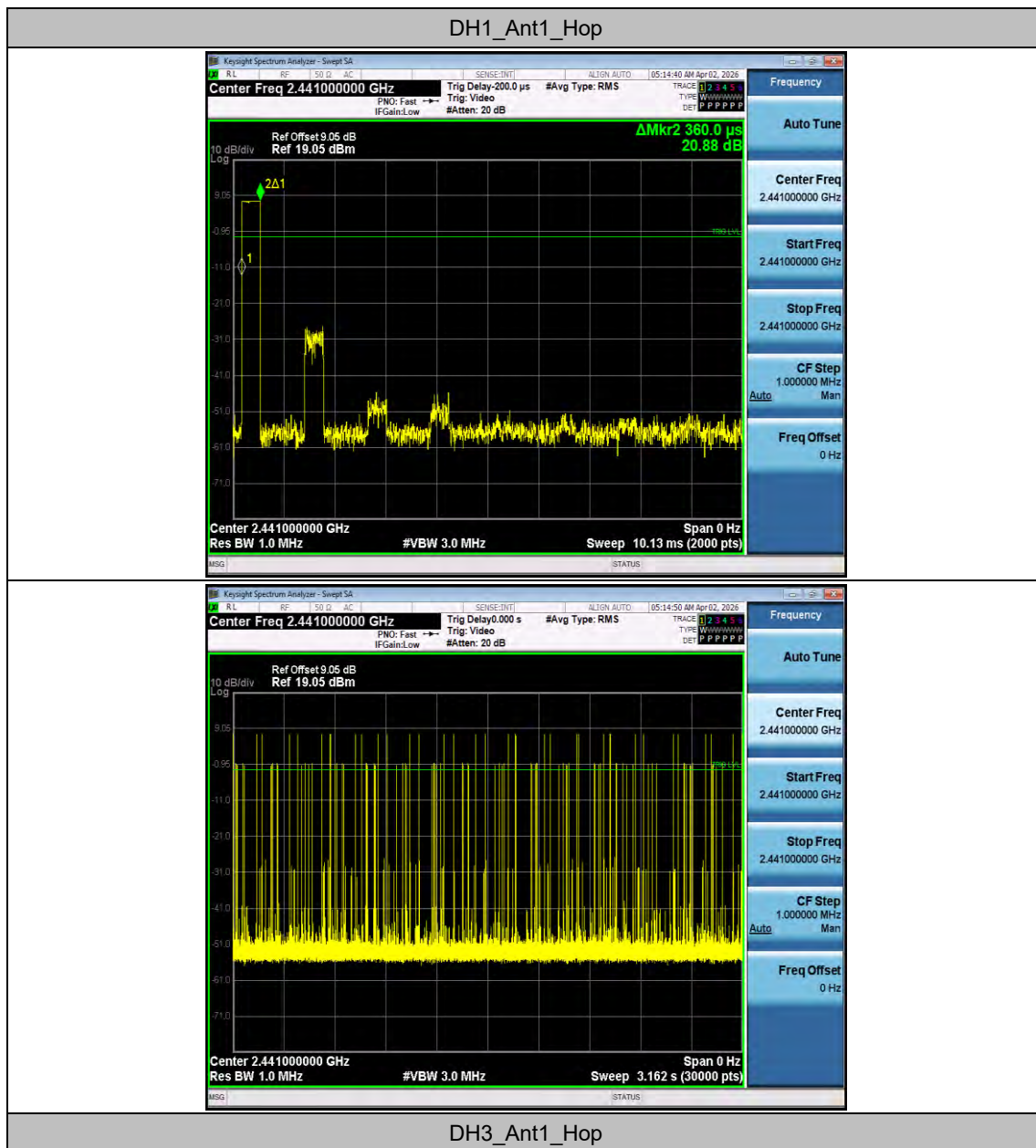


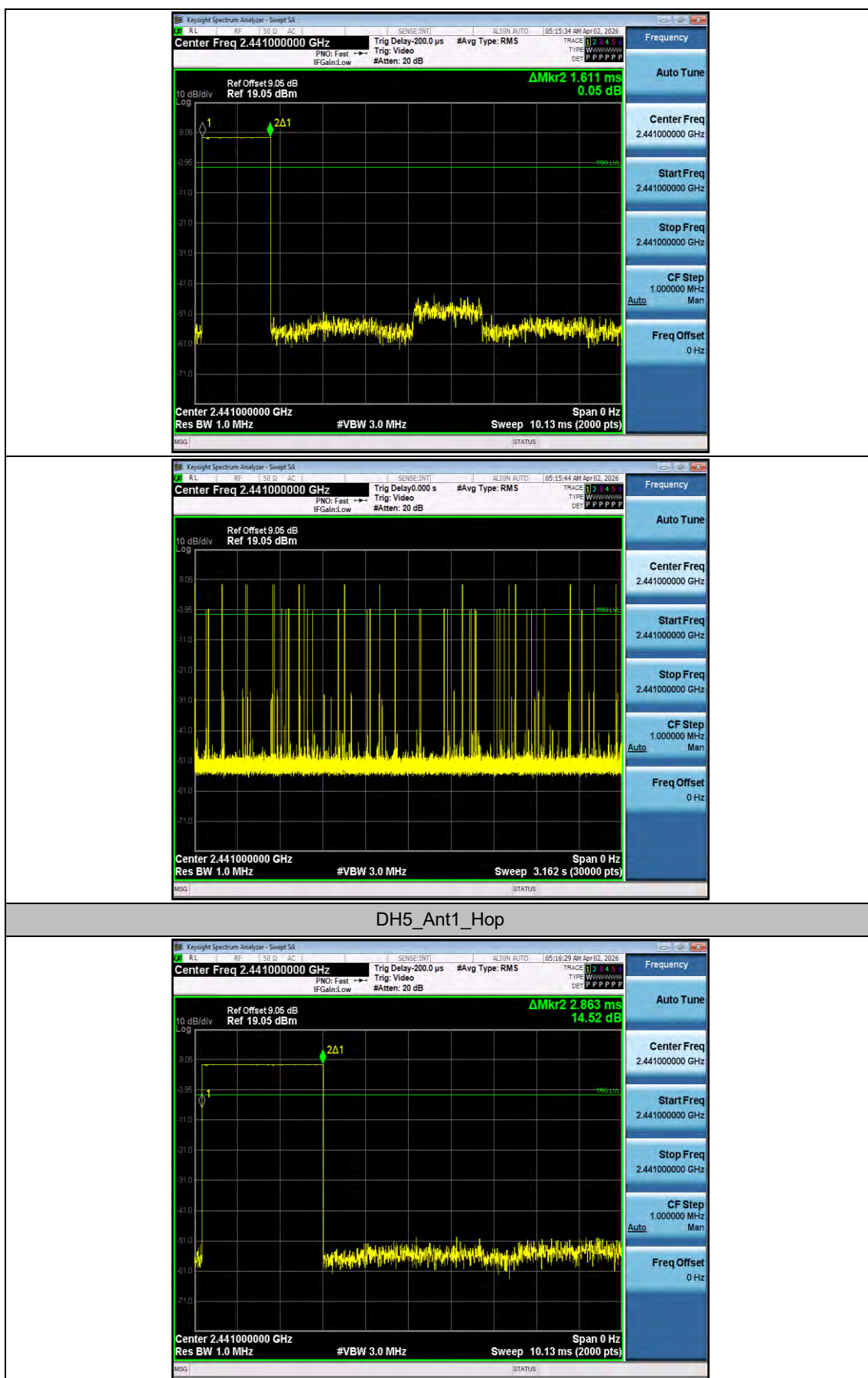
AppendixA.5: Time of occupancy

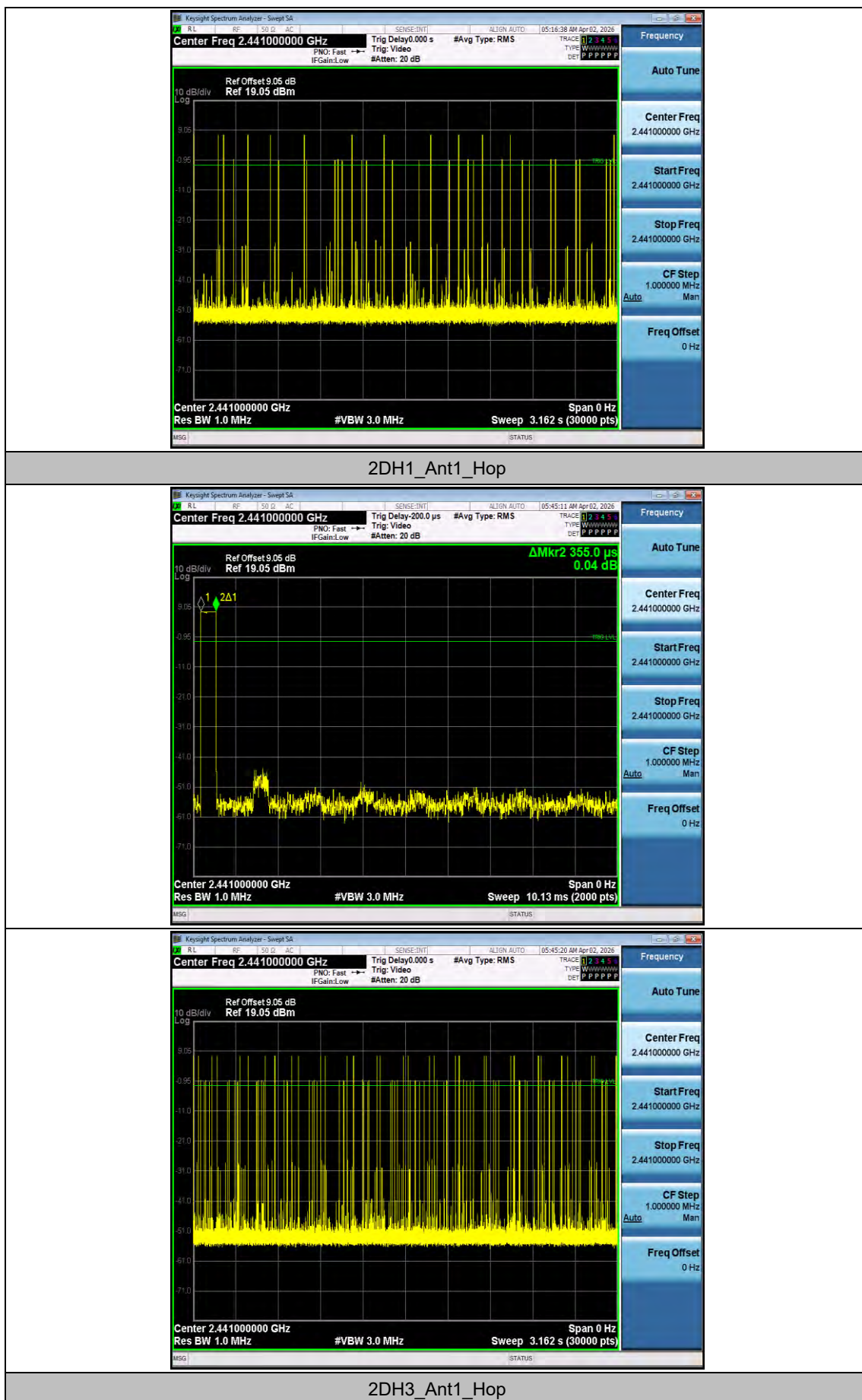
Test Result

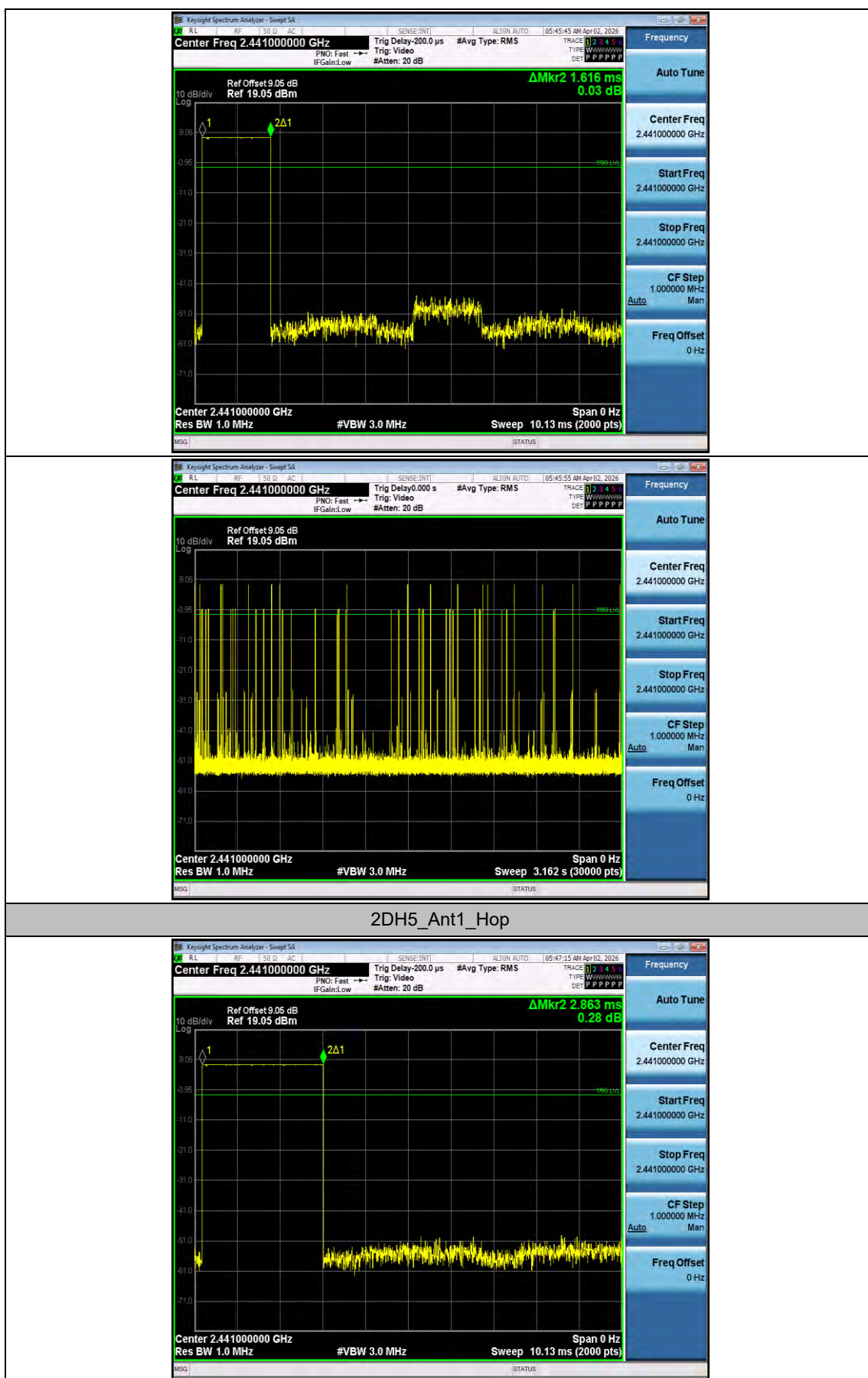
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.360	330	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.611	160	0.258	≤0.4	PASS
DH5	Ant1	Hop	2.863	130	0.372	≤0.4	PASS
2DH1	Ant1	Hop	0.355	330	0.117	≤0.4	PASS
2DH3	Ant1	Hop	1.616	170	0.275	≤0.4	PASS
2DH5	Ant1	Hop	2.863	130	0.372	≤0.4	PASS
3DH1	Ant1	Hop	0.360	320	0.115	≤0.4	PASS
3DH3	Ant1	Hop	1.616	150	0.242	≤0.4	PASS
3DH5	Ant1	Hop	2.863	110	0.315	≤0.4	PASS

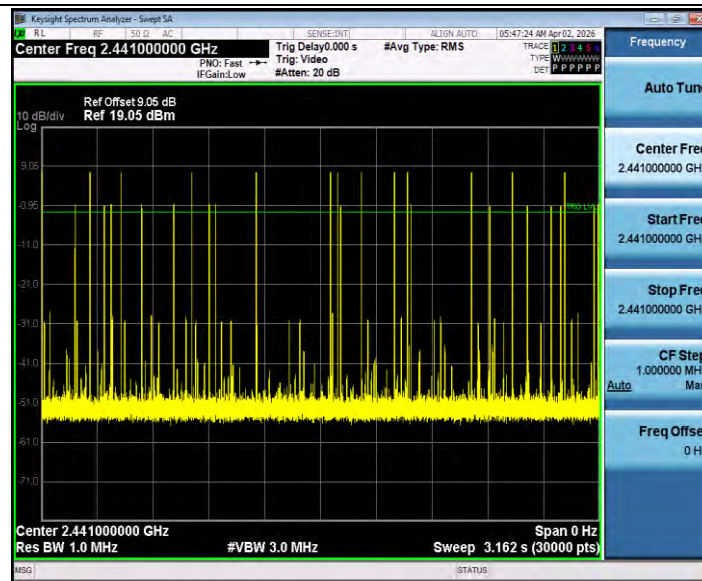
Test Graphs



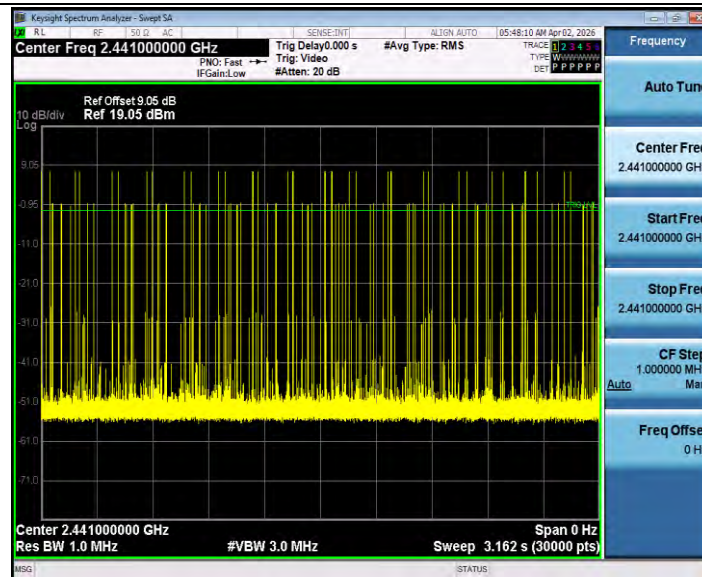
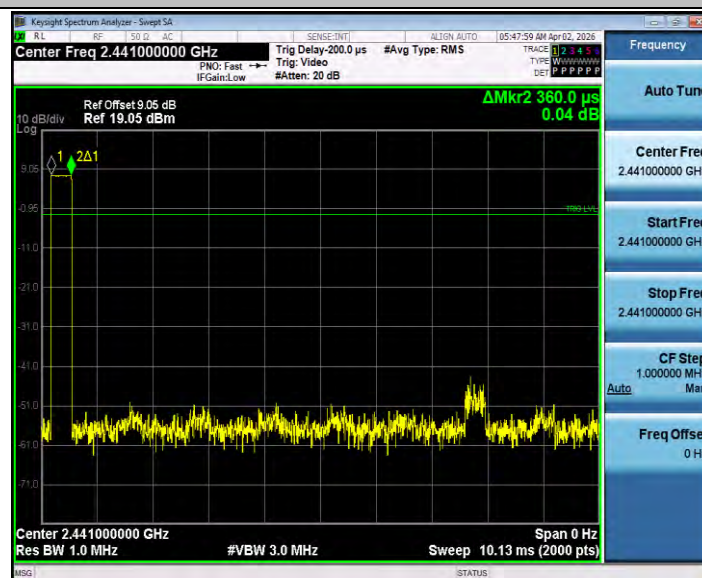




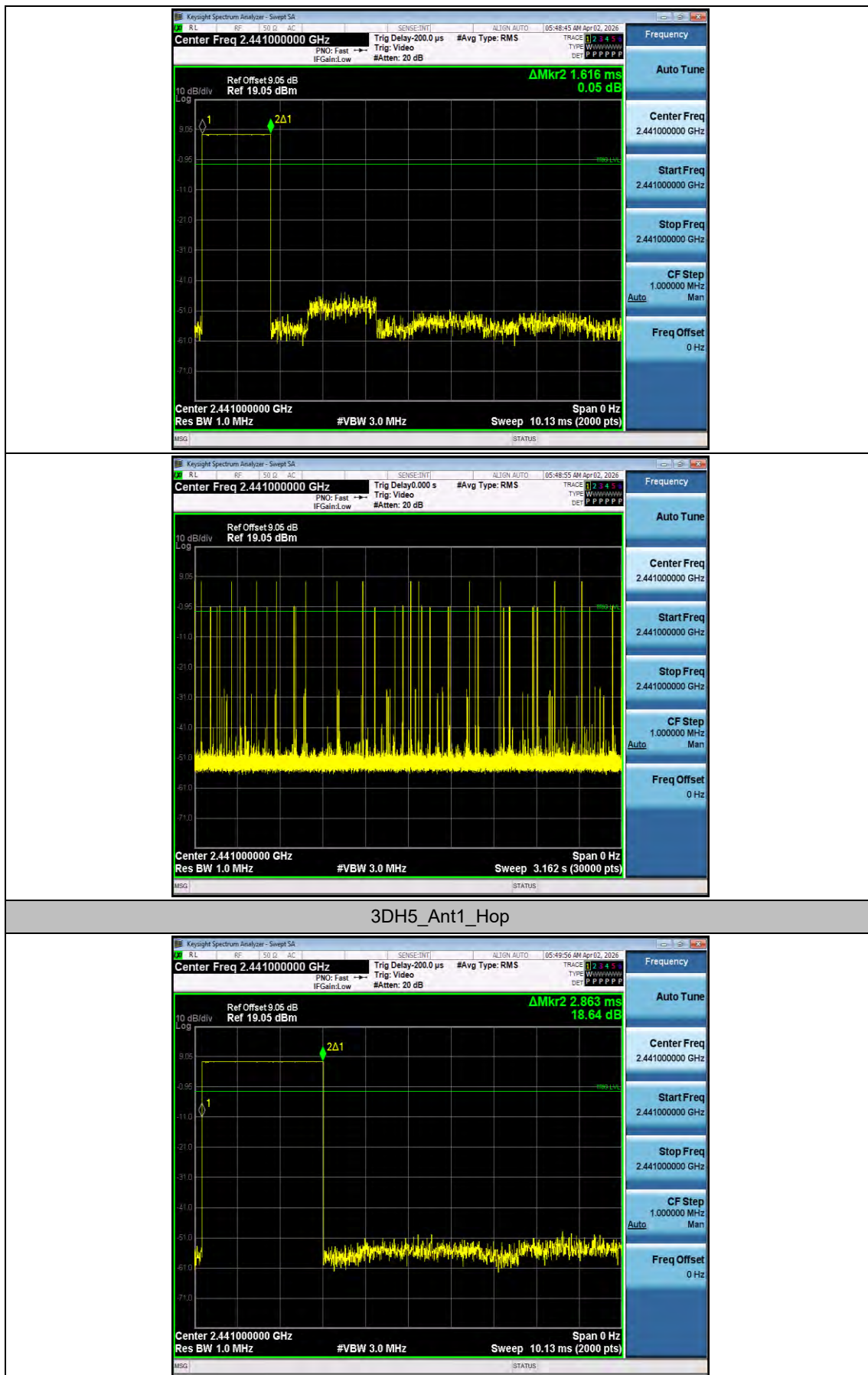




3DH1_Ant1_Hop



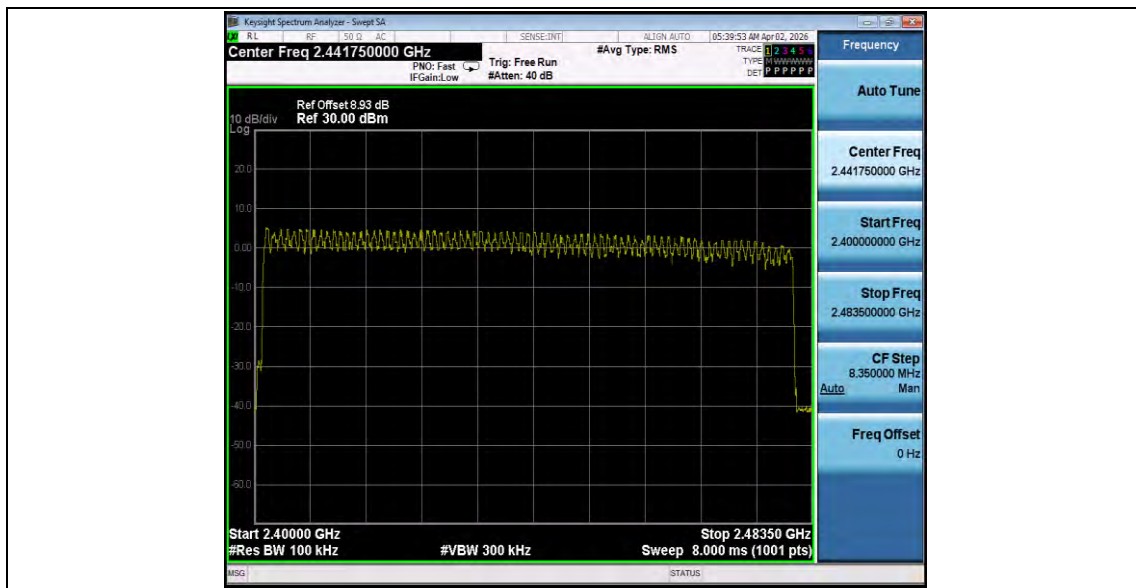
3DH3_Ant1_Hop





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



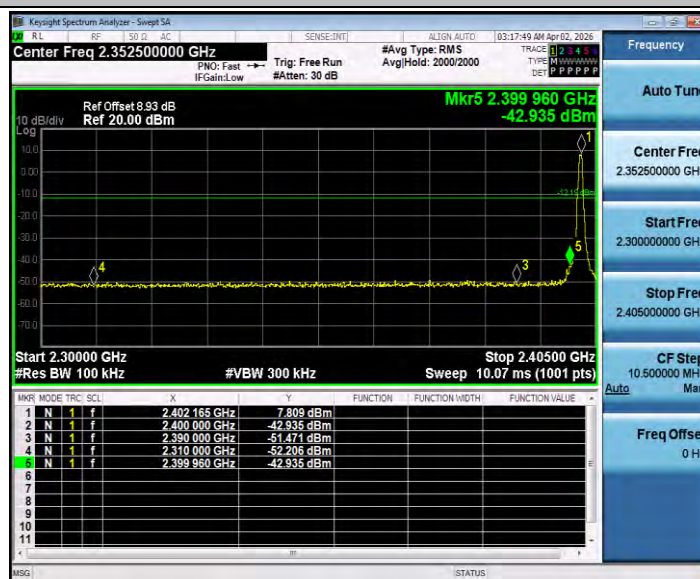
Appendix A.7: Band edge measurements

Test Result

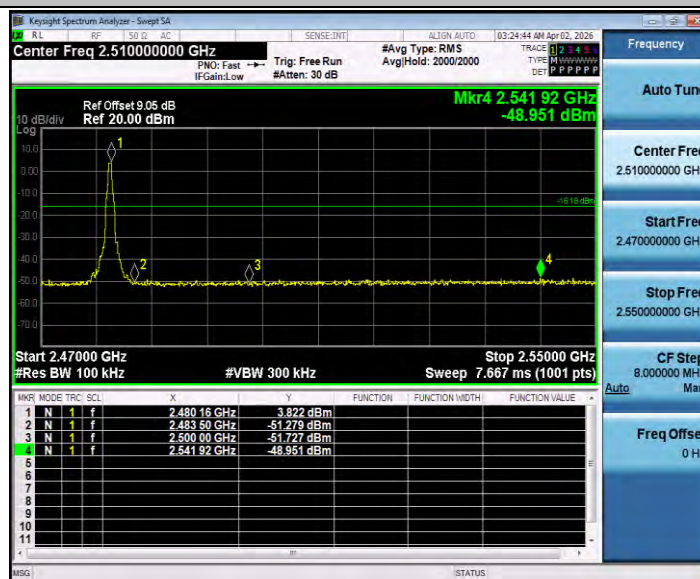
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	7.81	-42.94	≤ -12.19	PASS
		High	2480	3.82	-48.95	≤ -16.18	PASS
		Low	Hop_2402	7.80	-46.17	≤ -12.2	PASS
		High	Hop_2480	5.34	-48.44	≤ -14.66	PASS
2DH1	Ant1	Low	2402	4.35	-45.18	≤ -15.65	PASS
		High	2480	0.55	-48.92	≤ -19.45	PASS
		Low	Hop_2402	4.83	-49.53	≤ -15.17	PASS
		High	Hop_2480	2.07	-48.37	≤ -17.94	PASS
3DH1	Ant1	Low	2402	5.14	-45.06	≤ -14.86	PASS
		High	2480	1.09	-48.84	≤ -18.91	PASS
		Low	Hop_2402	5.02	-48.4	≤ -14.98	PASS
		High	Hop_2480	1.39	-48.95	≤ -18.61	PASS

Test Graphs

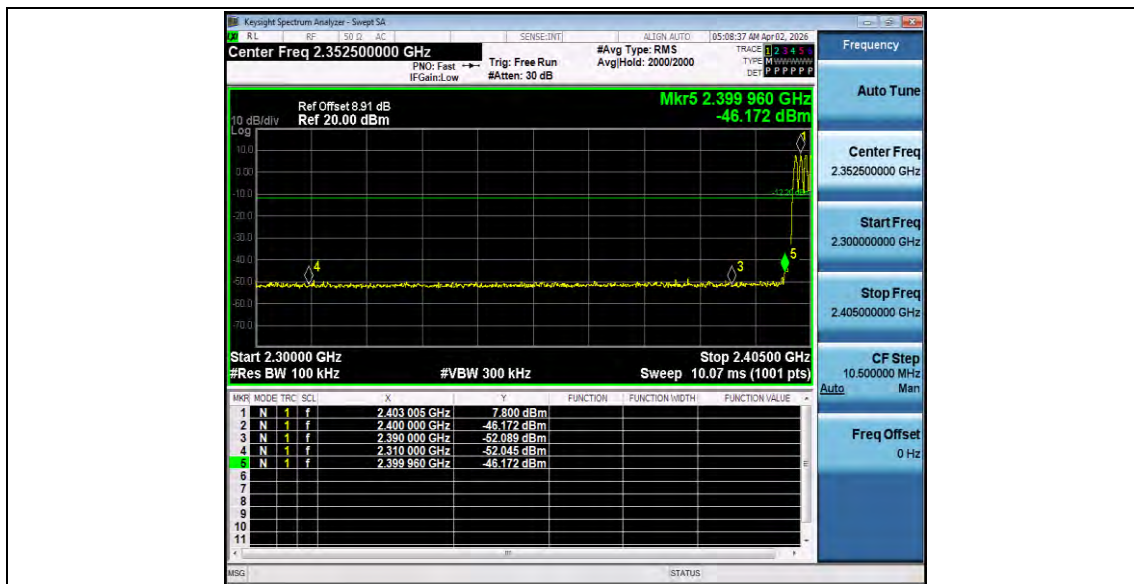
DH1_Ant1_Low_2402



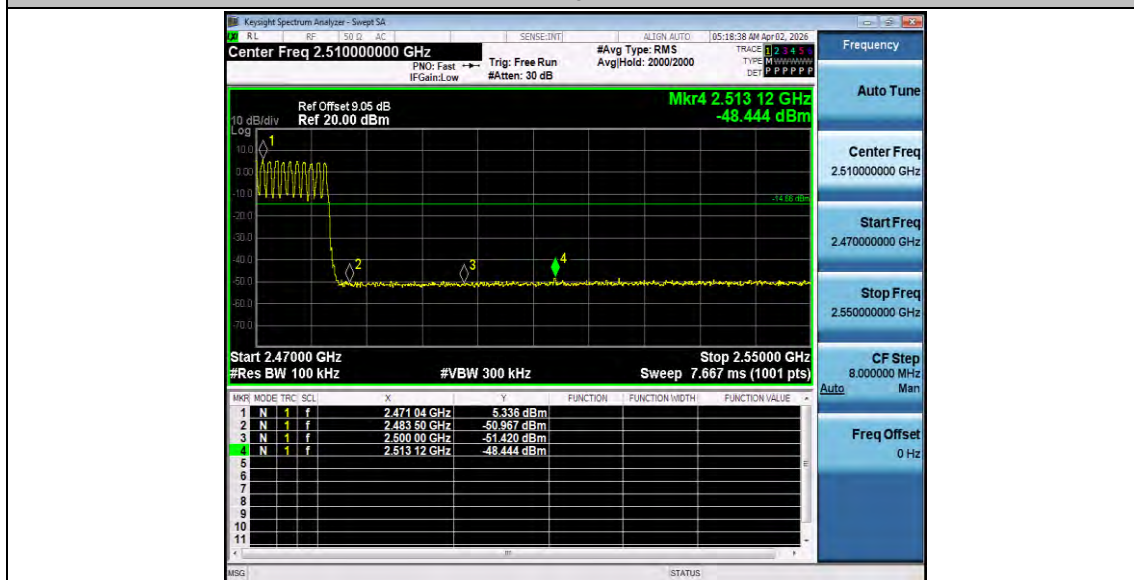
DH1_Ant1_High_2480



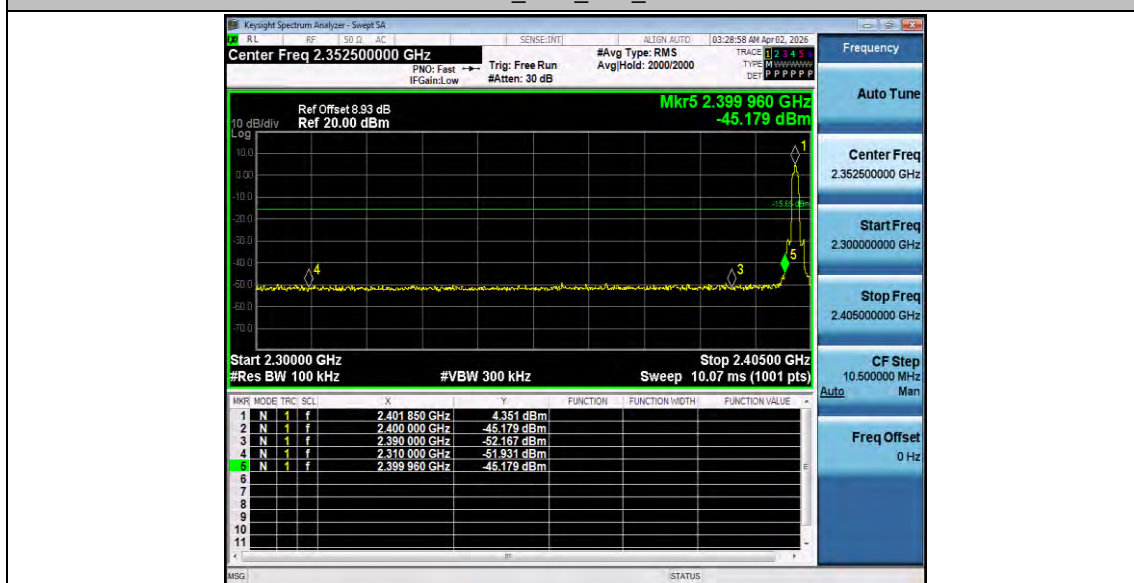
DH1_Ant1_Low_Hop_2402



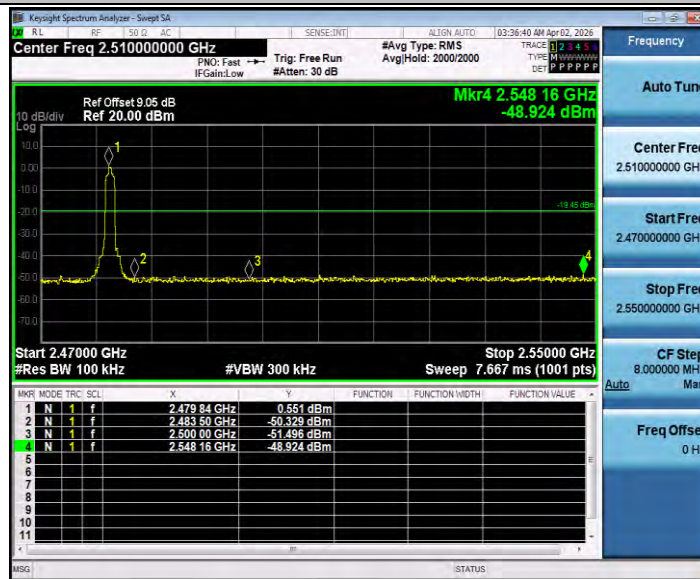
DH1_Ant1_High_Hop_2480



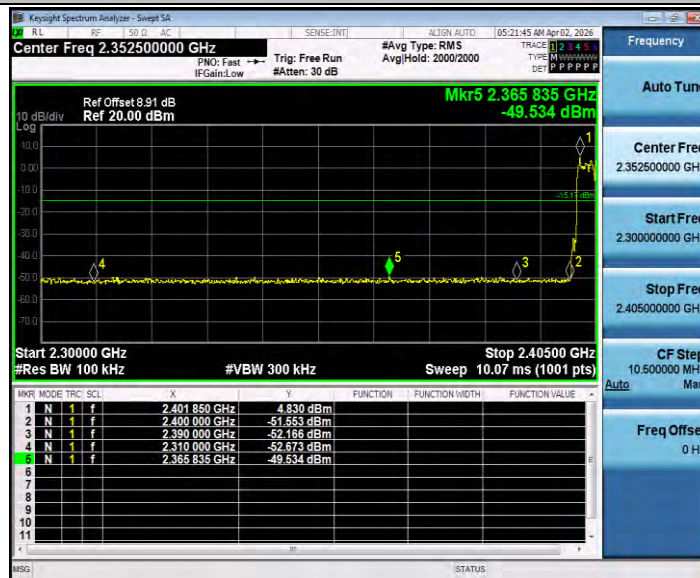
2DH1_Ant1_Low_2402



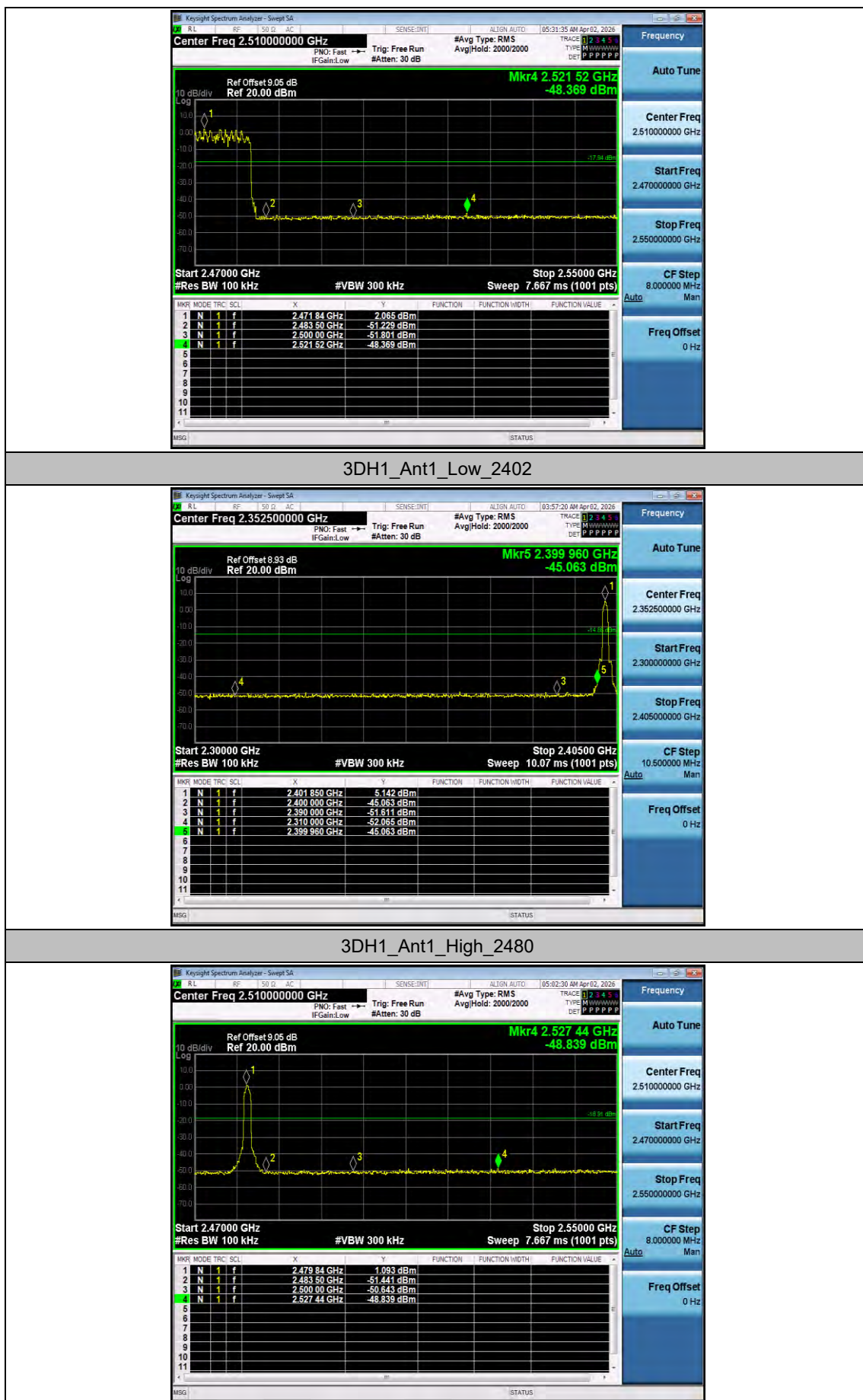
2DH1_Ant1_High_2480



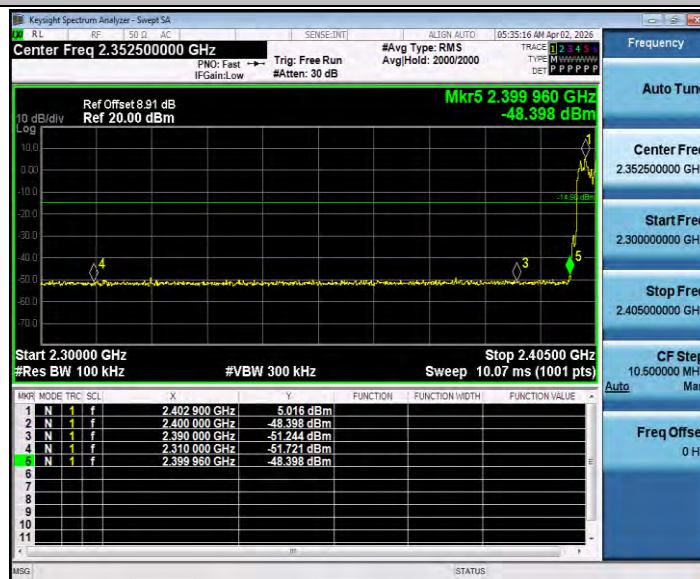
2DH1_Ant1_Low_Hop_2402



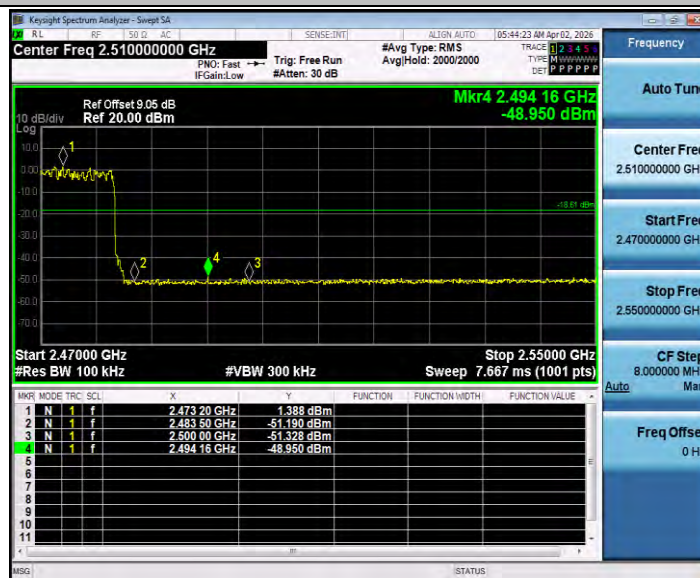
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

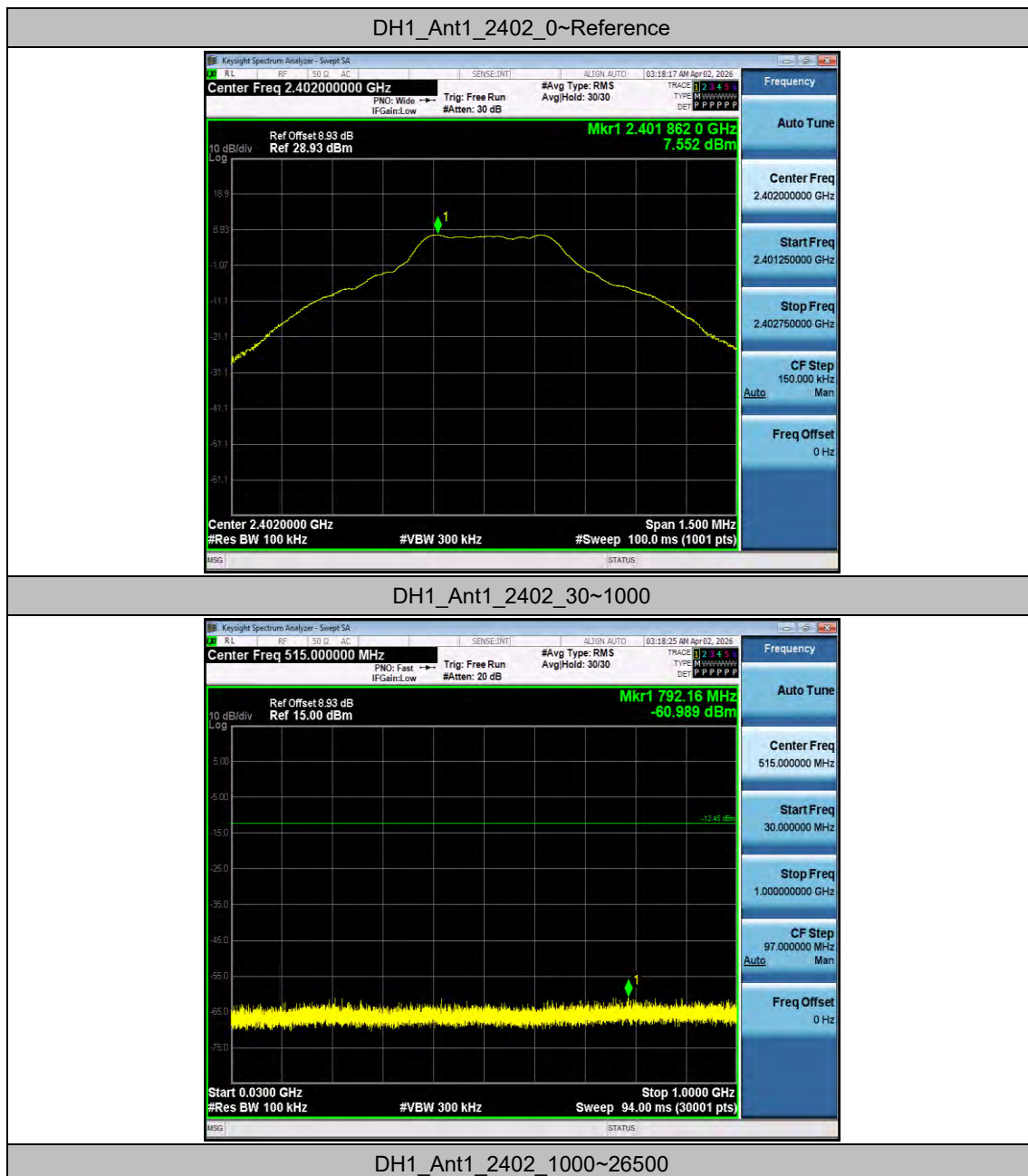


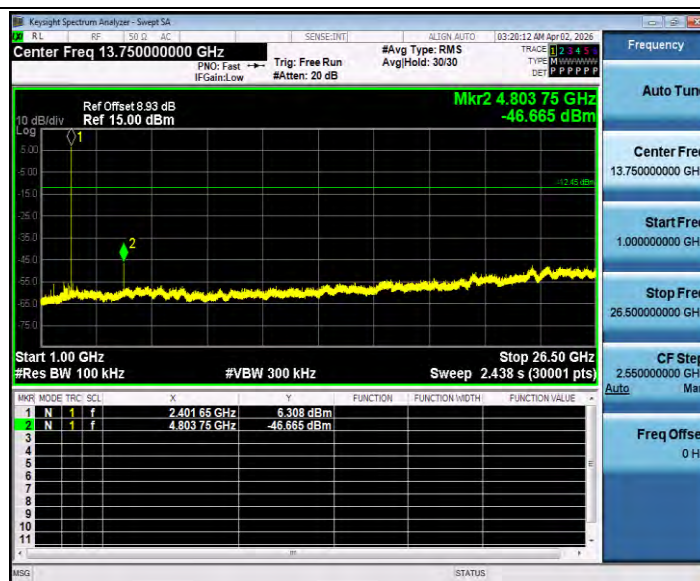
AppendixA.8:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	7.55	7.55	---	PASS
			30~1000	7.55	-60.99	≤-12.45	PASS
			1000~26500	7.55	-46.67	≤-12.45	PASS
		2441	Reference	6.45	6.45	---	PASS
			30~1000	6.45	-60.56	≤-13.55	PASS
			1000~26500	6.45	-47.69	≤-13.55	PASS
		2480	Reference	3.60	3.60	---	PASS
			30~1000	3.60	-60.69	≤-16.4	PASS
			1000~26500	3.60	-46.99	≤-16.4	PASS
2DH1	Ant1	2402	Reference	4.26	4.26	---	PASS
			30~1000	4.26	-60.49	≤-15.74	PASS
			1000~26500	4.26	-47.35	≤-15.74	PASS
		2441	Reference	3.21	3.21	---	PASS
			30~1000	3.21	-60.61	≤-16.79	PASS
			1000~26500	3.21	-47.33	≤-16.79	PASS
		2480	Reference	0.39	0.39	---	PASS
			30~1000	0.39	-60.35	≤-19.61	PASS
			1000~26500	0.39	-48.08	≤-19.61	PASS
3DH1	Ant1	2402	Reference	5.04	5.04	---	PASS
			30~1000	5.04	-60.46	≤-14.96	PASS
			1000~26500	5.04	-47.75	≤-14.96	PASS
		2441	Reference	4.10	4.10	---	PASS
			30~1000	4.10	-59.91	≤-15.9	PASS
			1000~26500	4.10	-46.78	≤-15.9	PASS
		2480	Reference	1.04	1.04	---	PASS
			30~1000	1.04	-60.17	≤-18.96	PASS
			1000~26500	1.04	-47.64	≤-18.96	PASS

Test Graphs

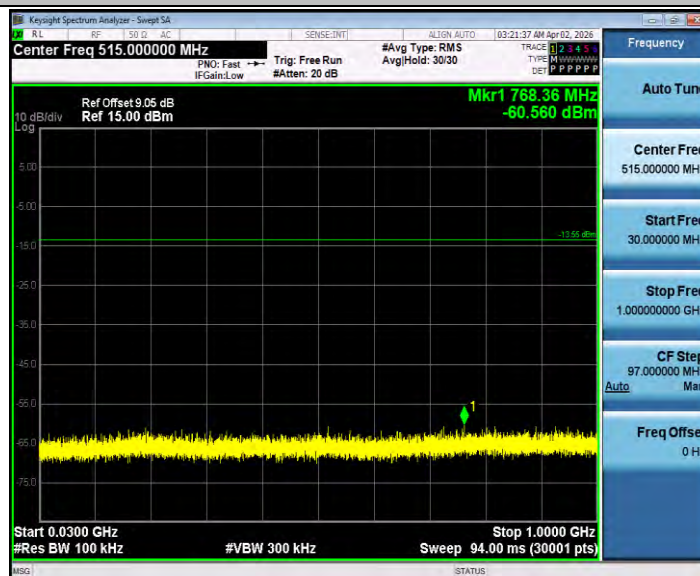




DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



DH1_Ant1_2441_1000~26500



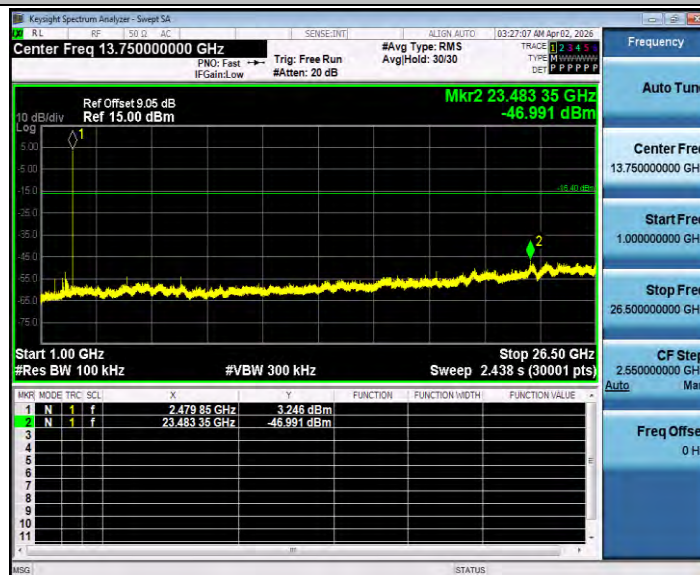
DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

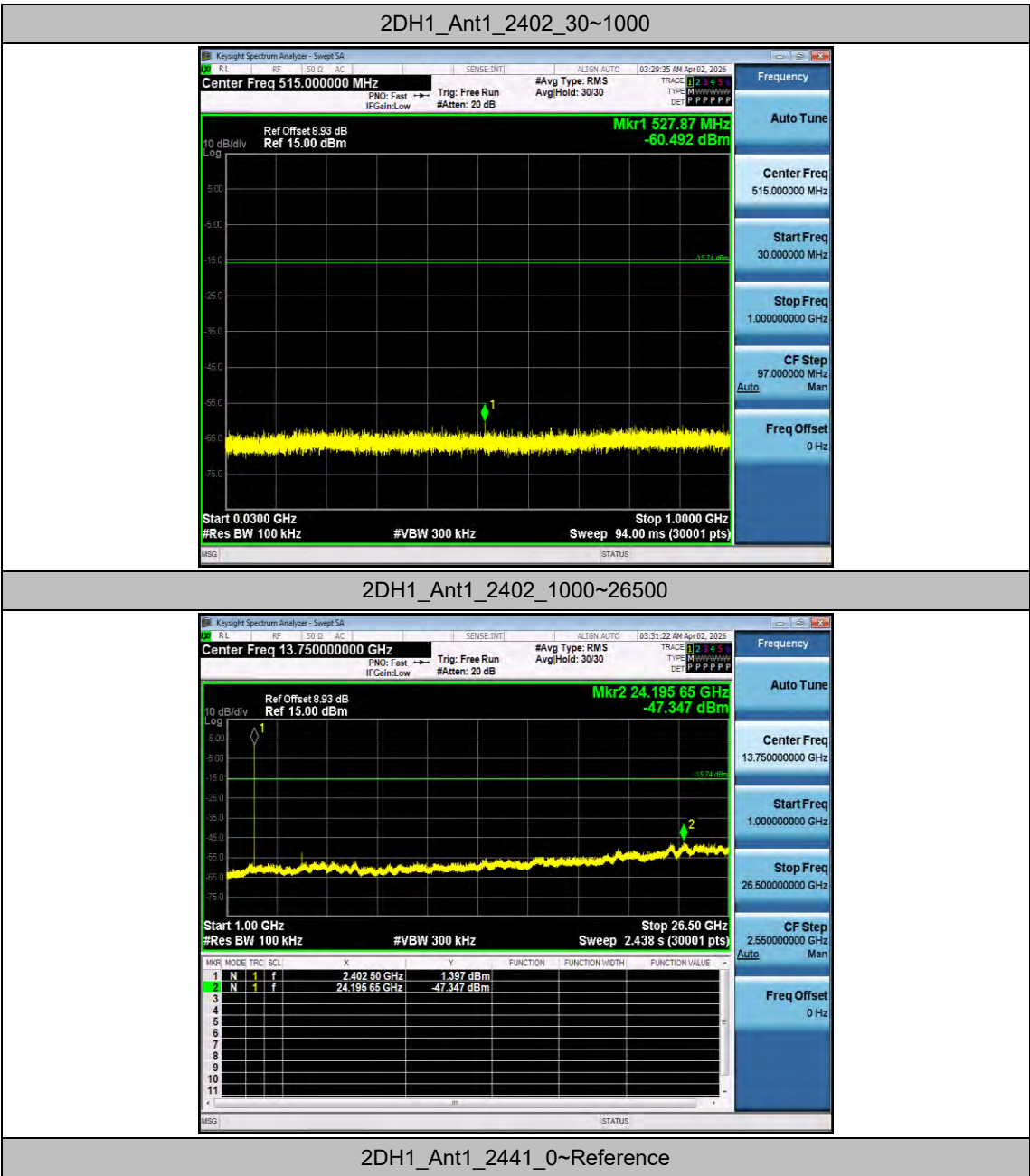


DH1_Ant1_2480_1000~26500



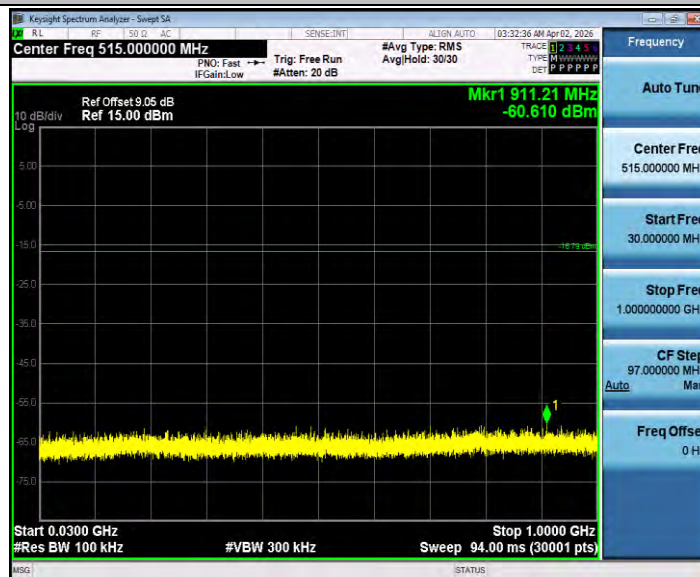
2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



2DH1_Ant1_2441_1000~26500



2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



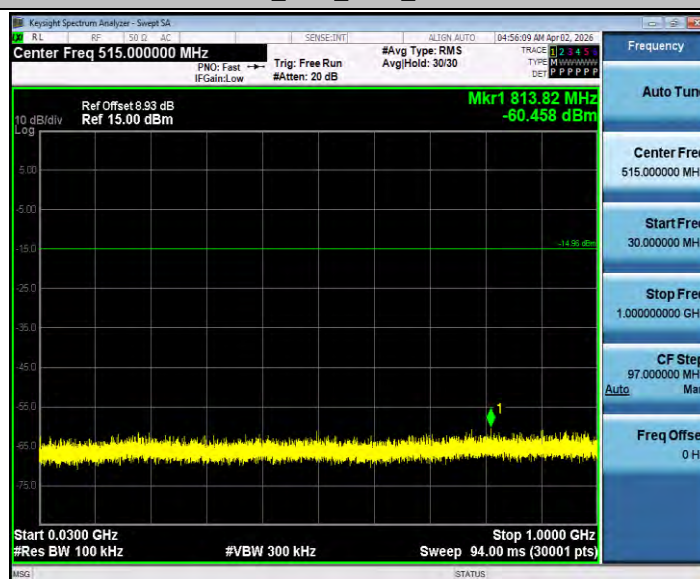
2DH1_Ant1_2480_1000~26500



3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



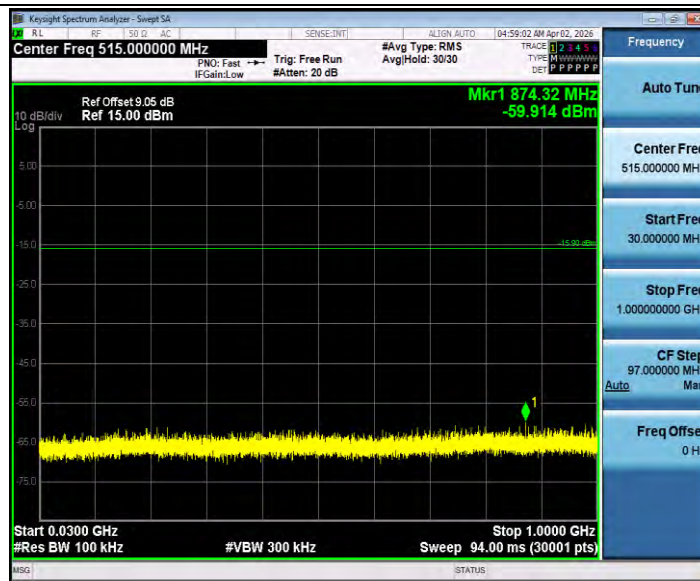
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

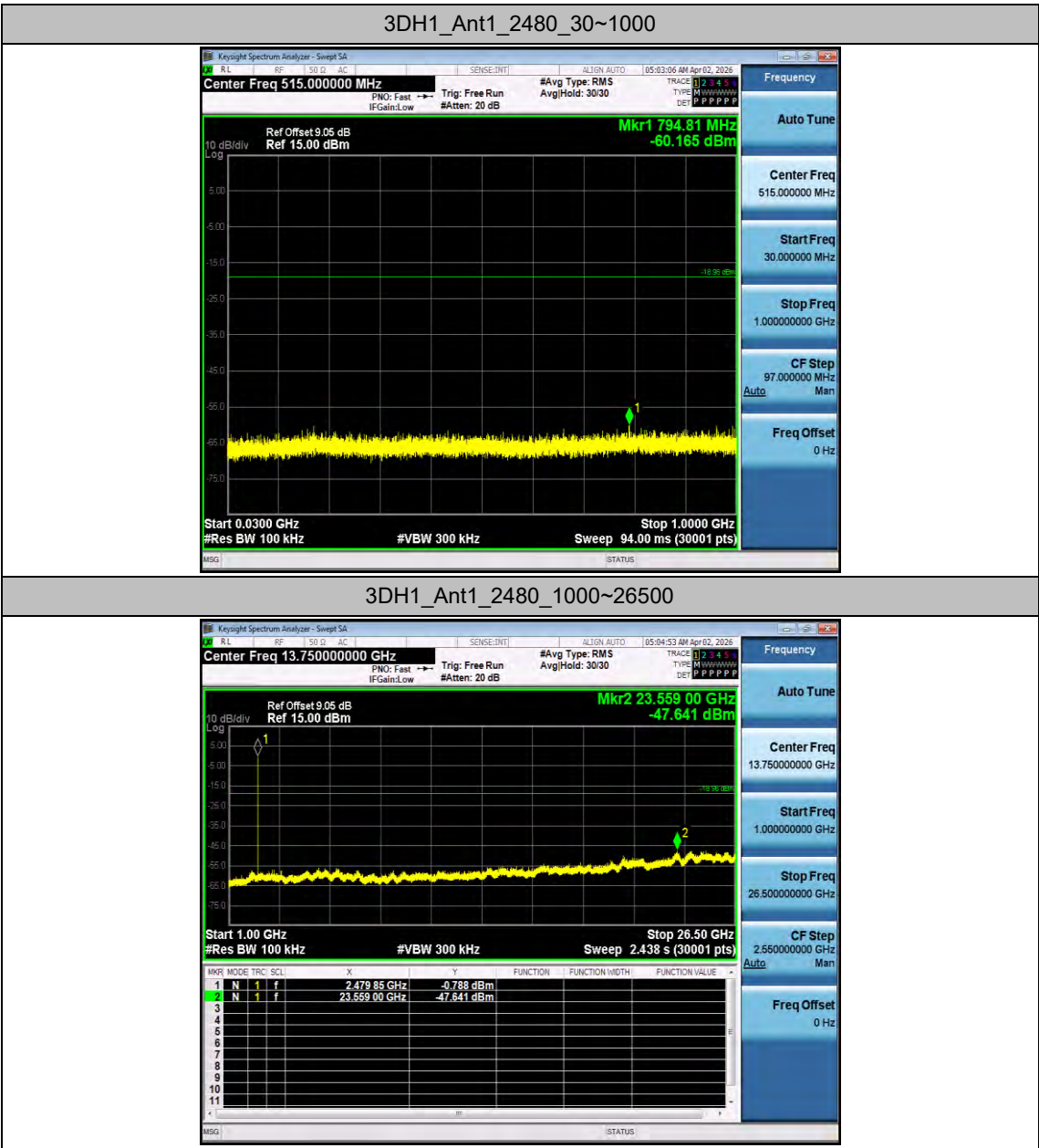


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

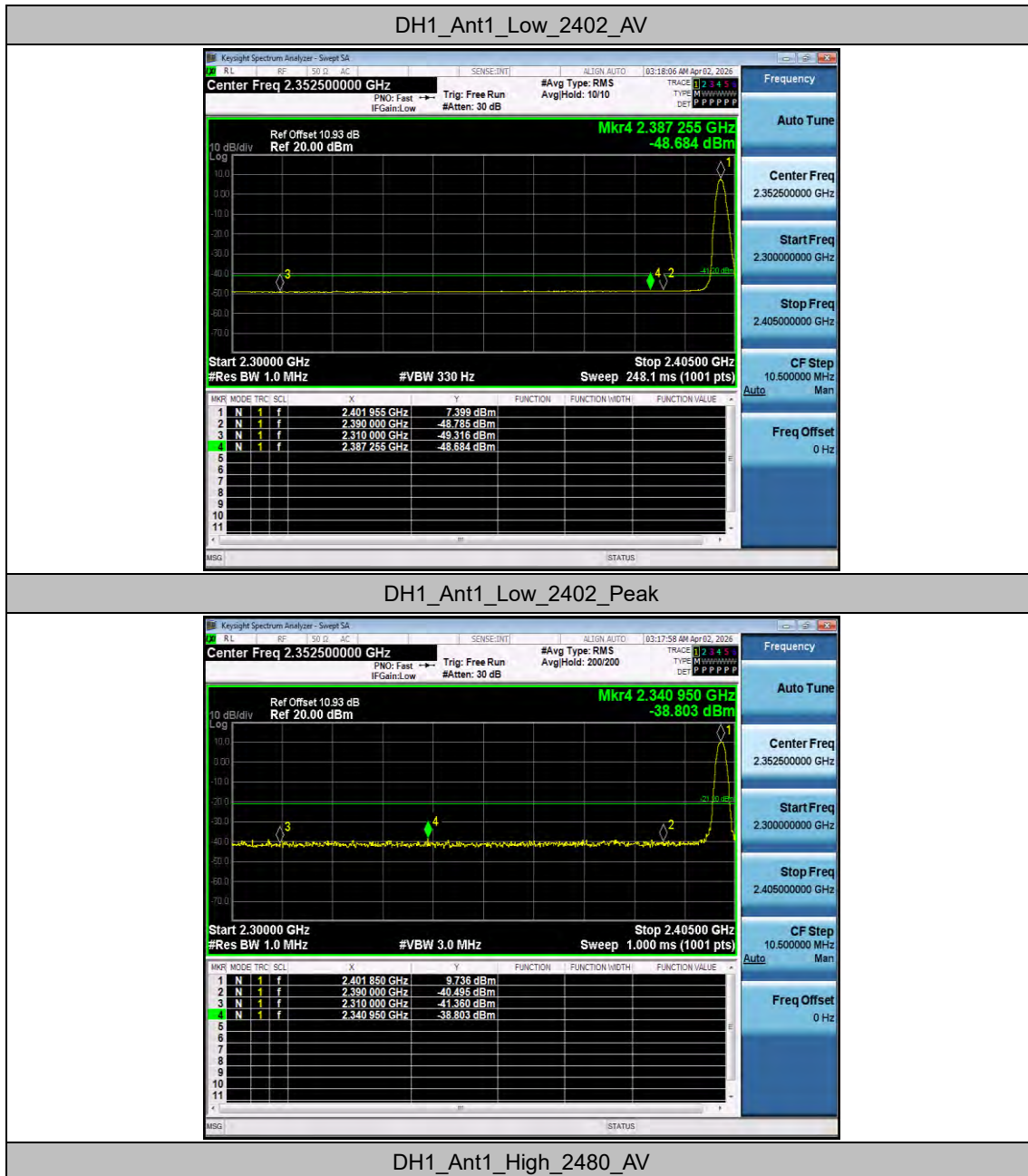
TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.32	≤-41.20	45.88	≤54	PASS
				AV	2387.255	-48.68	≤-41.20	46.52	≤54	PASS
				AV	2390.000	-48.79	≤-41.20	46.41	≤54	PASS
				Peak	2310.000	-41.36	≤-21.20	53.84	≤74	PASS
				Peak	2340.950	-38.8	≤-21.20	56.40	≤74	PASS
				Peak	2390.000	-40.5	≤-21.20	54.70	≤74	PASS
		High	2480	AV	2483.500	-47.95	≤-41.20	47.25	≤54	PASS
				AV	2483.520	-47.95	≤-41.20	47.25	≤54	PASS
				AV	2500.000	-48.51	≤-41.20	46.69	≤54	PASS
				Peak	2483.500	-39.29	≤-21.20	55.91	≤74	PASS
				Peak	2499.840	-38.44	≤-21.20	56.76	≤74	PASS
				Peak	2500.000	-40.35	≤-21.20	54.85	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.26	≤-41.20	45.94	≤54	PASS
				AV	2389.670	-48.78	≤-41.20	46.42	≤54	PASS
				AV	2390.000	-48.87	≤-41.20	46.33	≤54	PASS
				Peak	2310.000	-42.27	≤-21.20	52.93	≤74	PASS
				Peak	2353.655	-38.15	≤-21.20	57.05	≤74	PASS
				Peak	2390.000	-40.66	≤-21.20	54.54	≤74	PASS
		High	2480	AV	2483.500	-48.29	≤-41.20	46.91	≤54	PASS
				AV	2483.520	-48.29	≤-41.20	46.91	≤54	PASS
				AV	2500.000	-48.66	≤-41.20	46.54	≤54	PASS
				Peak	2483.500	-40.98	≤-21.20	54.22	≤74	PASS
				Peak	2498.080	-38.21	≤-21.20	56.99	≤74	PASS
				Peak	2500.000	-41.2	≤-21.20	54.00	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.3	≤-41.20	45.90	≤54	PASS
				AV	2388.410	-48.69	≤-41.20	46.51	≤54	PASS
				AV	2390.000	-48.99	≤-41.20	46.21	≤54	PASS
				Peak	2310.000	-42.7	≤-21.20	52.50	≤74	PASS
				Peak	2339.060	-38.76	≤-21.20	56.44	≤74	PASS
				Peak	2390.000	-40.67	≤-21.20	54.53	≤74	PASS
		High	2480	AV	2483.500	-48.28	≤-41.20	46.92	≤54	PASS
				AV	2483.840	-48.28	≤-41.20	46.92	≤54	PASS
				AV	2500.000	-48.63	≤-41.20	46.57	≤54	PASS
				Peak	2483.500	-40.79	≤-21.20	54.41	≤74	PASS
				Peak	2483.840	-38.73	≤-21.20	56.47	≤74	PASS

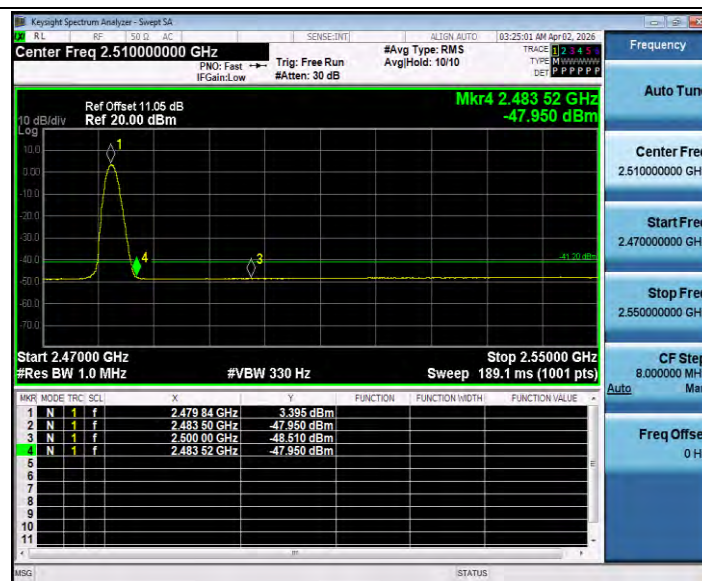
				Peak	2500.000	-40.36	≤ -21.20	54.84	≤ 74	PASS
--	--	--	--	------	----------	--------	---------------	-------	-----------	------

Note:

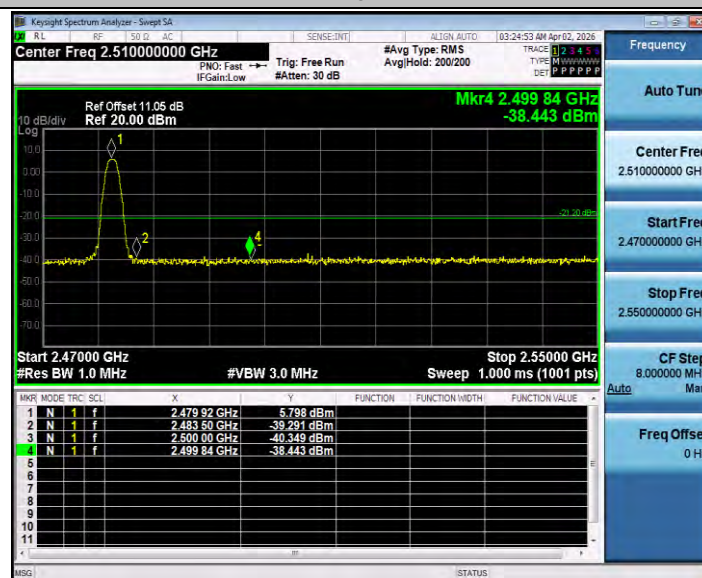
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

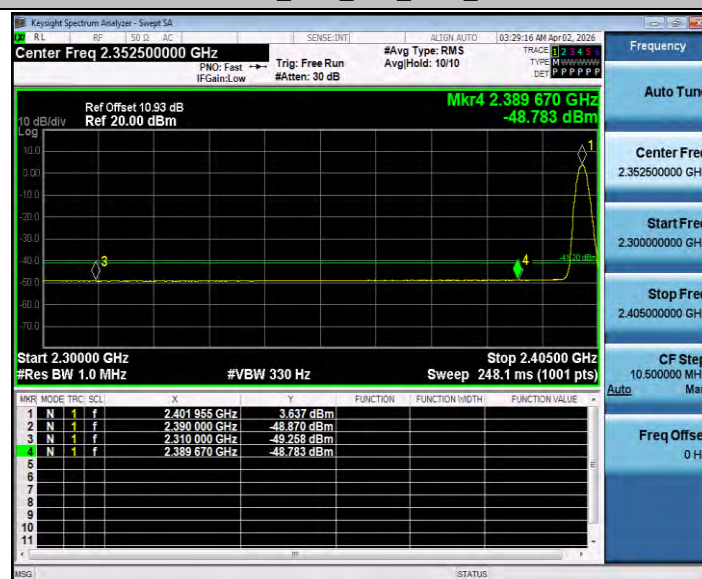




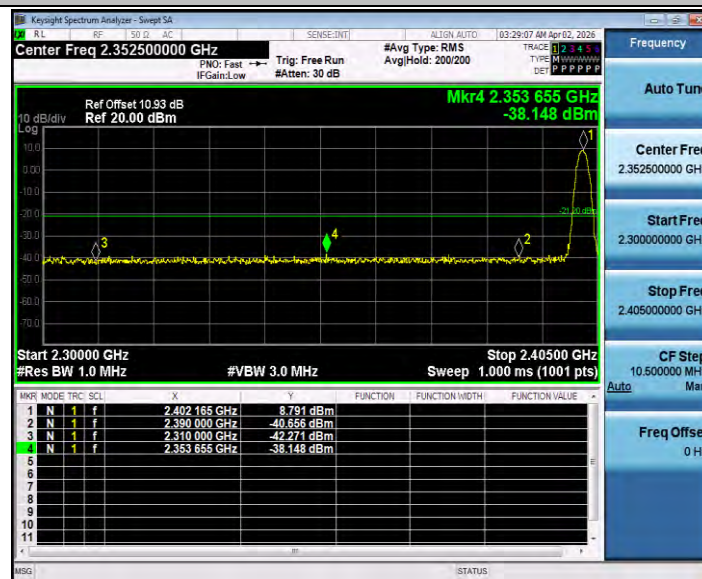
DH1_Ant1_High_2480_Peak



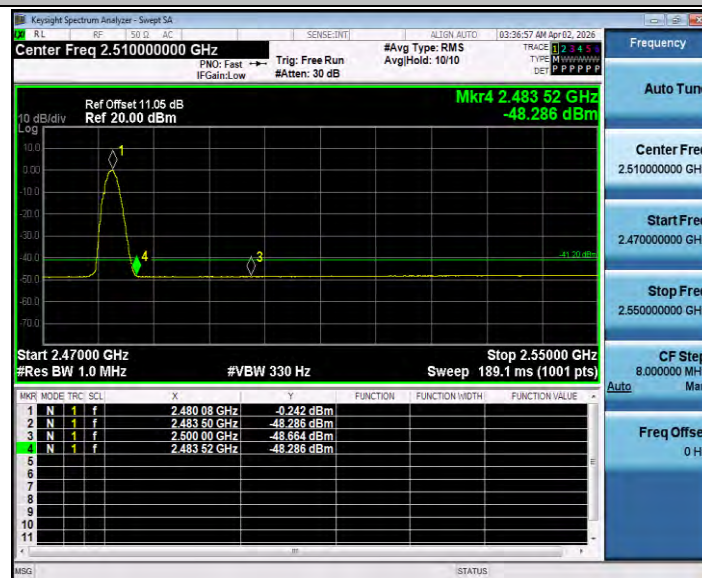
2DH1_Ant1_Low_2402_AV



2DH1_Ant1_Low_2402_Peak



2DH1_Ant1_High_2480_AV



2DH1_Ant1_High_2480_Peak

