

Case No. : <u>GTS20260601007-2-01</u>
Ambient Condition: <u>24</u> °C, <u>51</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.7.08-2026.10.09</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	0.966	2401.562	2402.528	---	---
		2441	0.960	2440.562	2441.522	---	---
		2480	0.960	2479.559	2480.519	---	---
2DH1	Ant1	2402	1.368	2401.346	2402.714	---	---
		2441	1.362	2440.355	2441.717	---	---
		2480	1.371	2479.346	2480.717	---	---
3DH1	Ant1	2402	1.353	2401.352	2402.705	---	---
		2441	1.356	2440.349	2441.705	---	---
		2480	1.353	2479.352	2480.705	---	---

Test Graphs

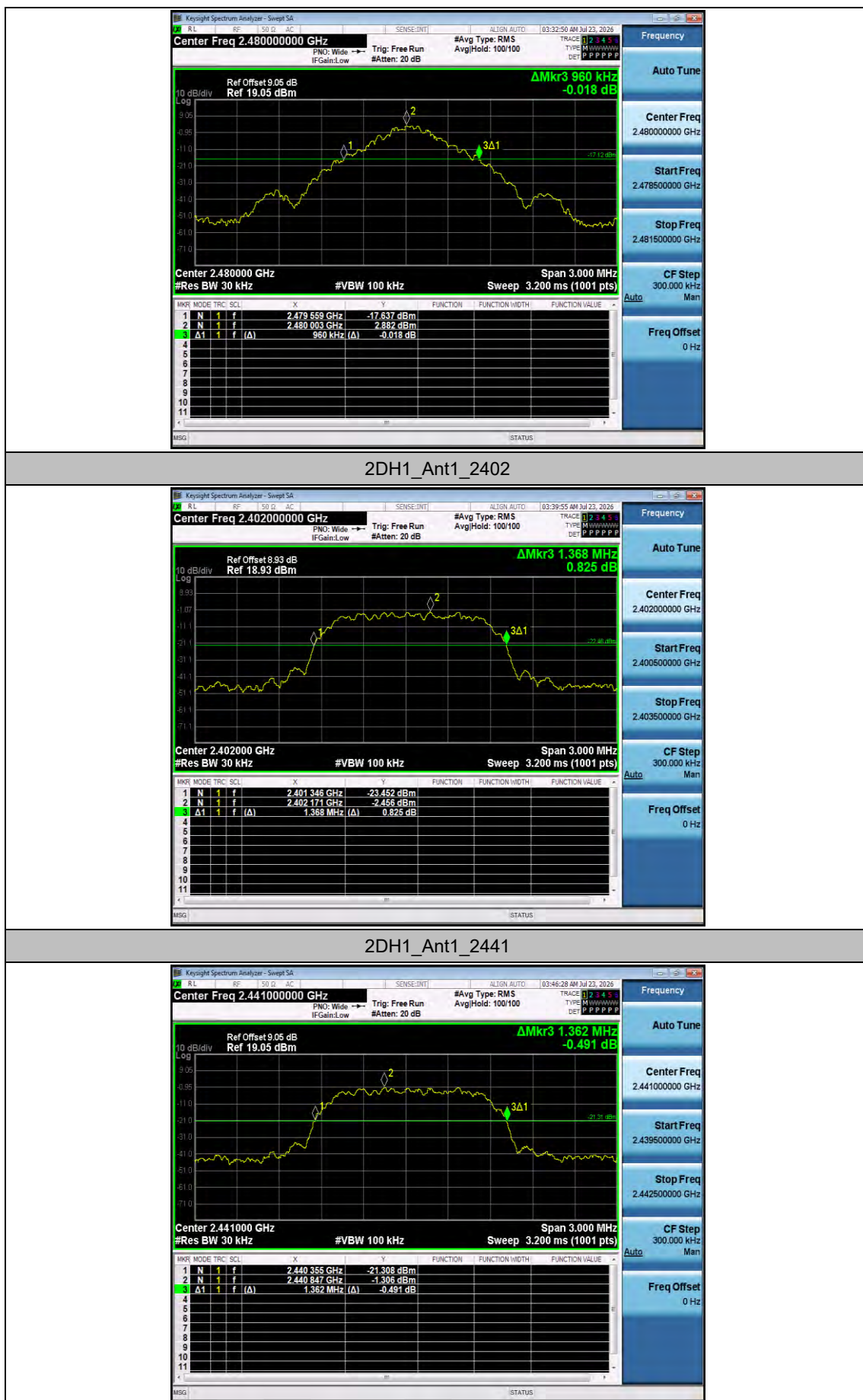
DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



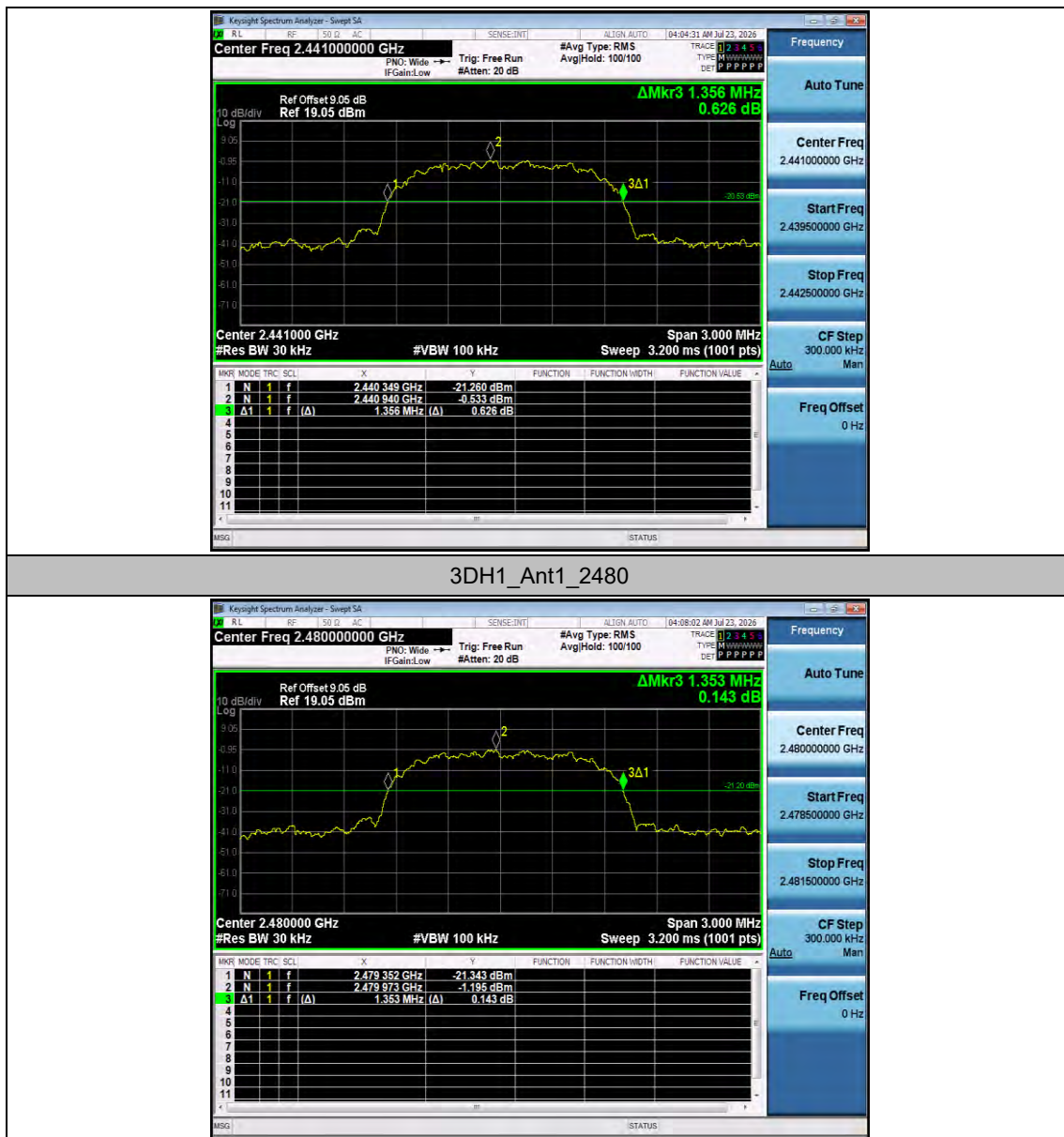
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.88580	2401.5875	2402.4733	---	---
		2441	0.88414	2440.5888	2441.4730	---	---
		2480	0.88448	2479.5881	2480.4726	---	---
2DH1	Ant1	2402	1.2013	2401.4334	2402.6347	---	---
		2441	1.2043	2440.4288	2441.6331	---	---
		2480	1.2065	2479.4278	2480.6343	---	---
3DH1	Ant1	2402	1.2072	2401.4212	2402.6284	---	---
		2441	1.2070	2440.4212	2441.6282	---	---
		2480	1.2075	2479.4227	2480.6302	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



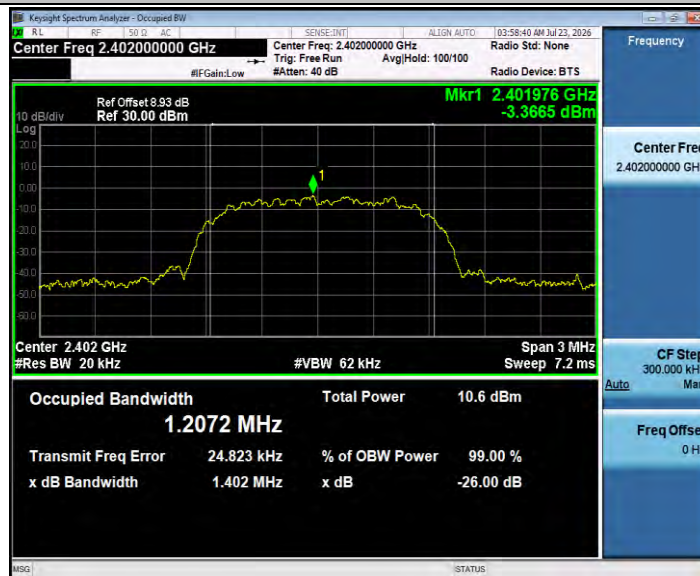
2DH1_Ant1_2441



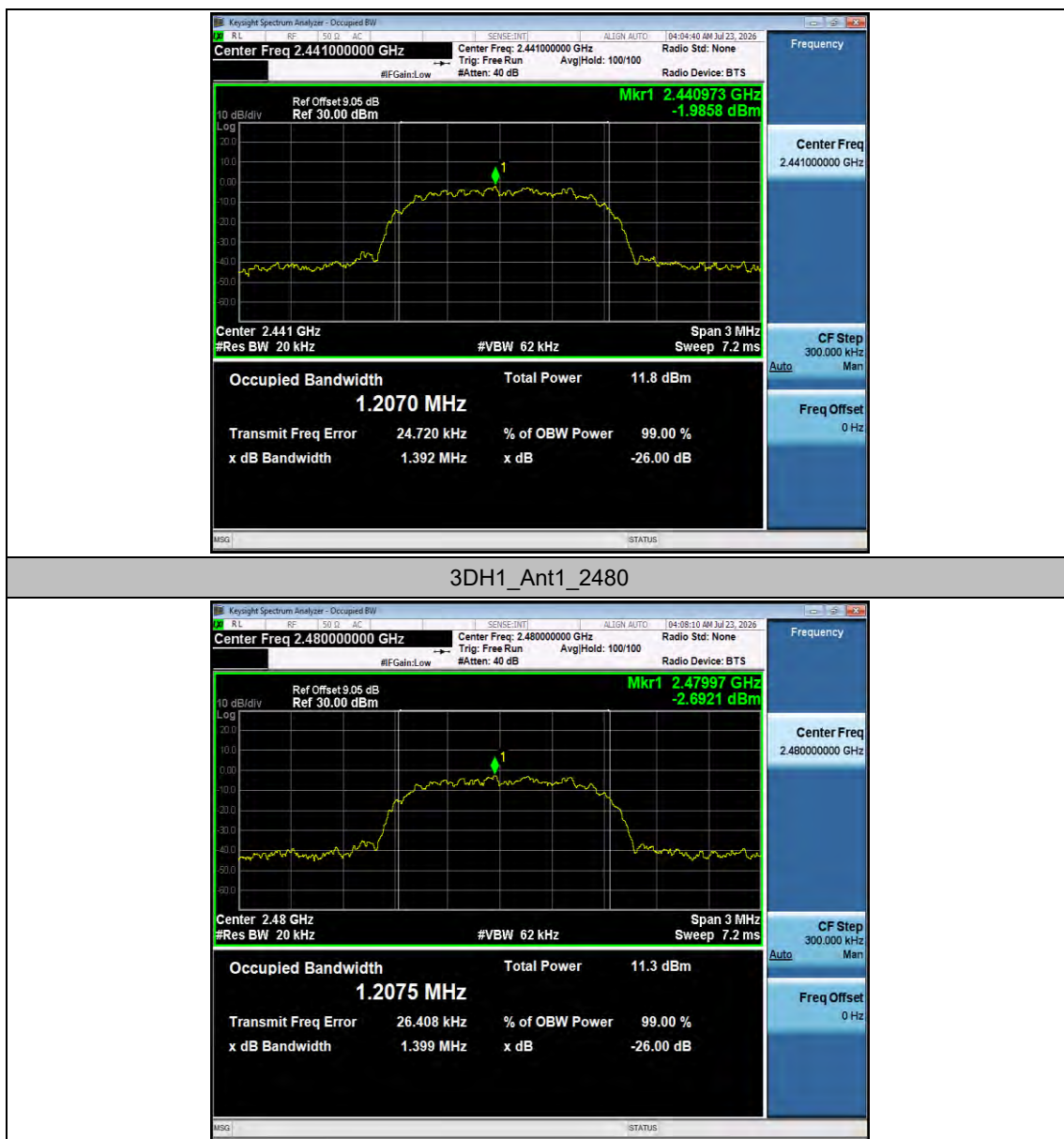
2DH1_Ant1_2480



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	5.00	≤ 20.97	PASS
		2441	6.27	≤ 20.97	PASS
		2480	5.75	≤ 20.97	PASS
2DH1	Ant1	2402	6.51	≤ 20.97	PASS
		2441	7.83	≤ 20.97	PASS
		2480	7.38	≤ 20.97	PASS
3DH1	Ant1	2402	7.20	≤ 20.97	PASS
		2441	8.48	≤ 20.97	PASS
		2480	7.99	≤ 20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	0.834	≥ 0.644	PASS
		Hop_2441	0.688	≥ 0.644	PASS
		Hop_2480	0.992	≥ 0.644	PASS
2DH1	Ant1	Hop_2402	1.024	≥ 0.914	PASS
		Hop_2441	0.998	≥ 0.914	PASS
		Hop_2480	1	≥ 0.914	PASS
3DH1	Ant1	Hop_2402	0.998	≥ 0.904	PASS
		Hop_2441	0.996	≥ 0.904	PASS
		Hop_2480	0.998	≥ 0.904	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

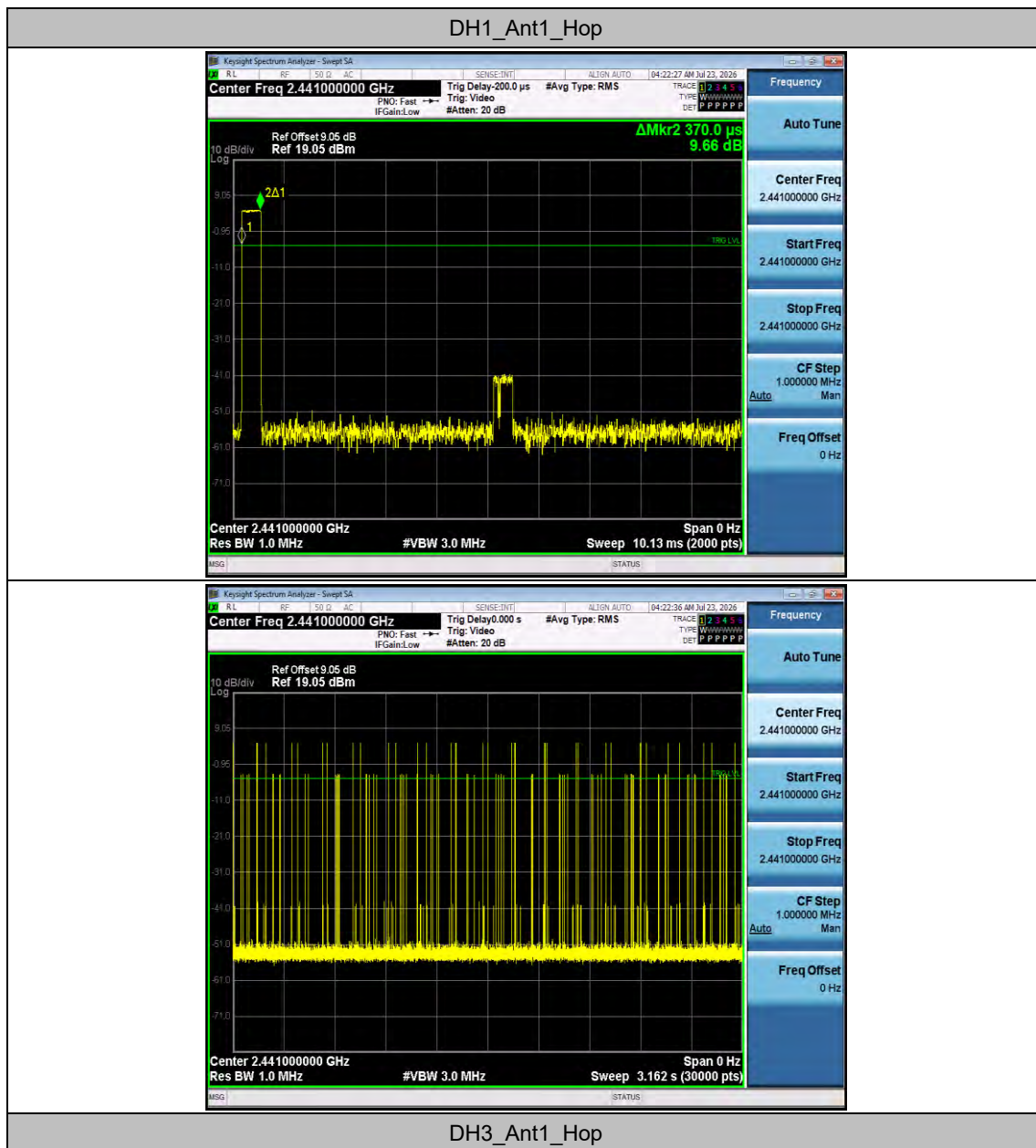


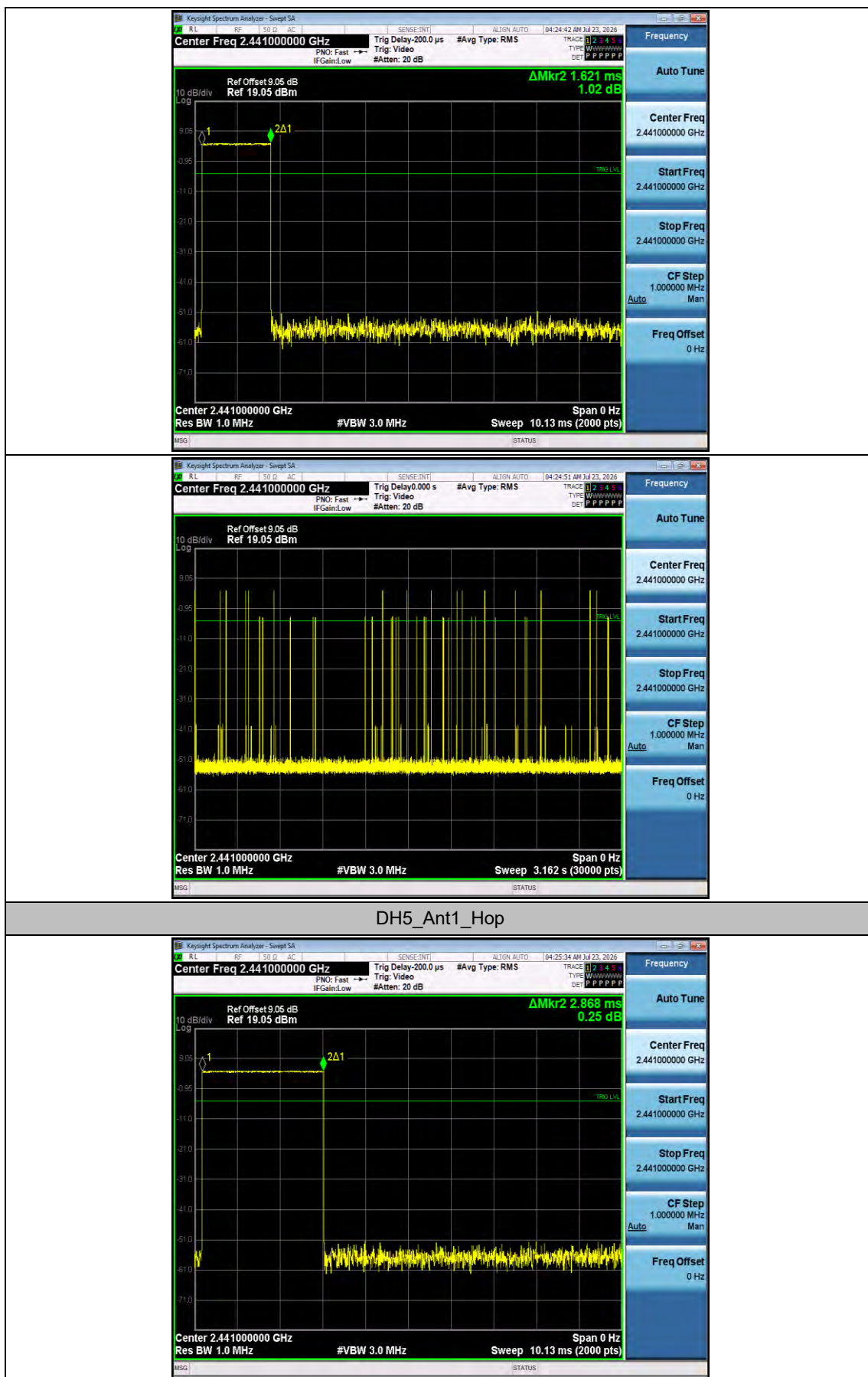
AppendixA.5: Time of occupancy

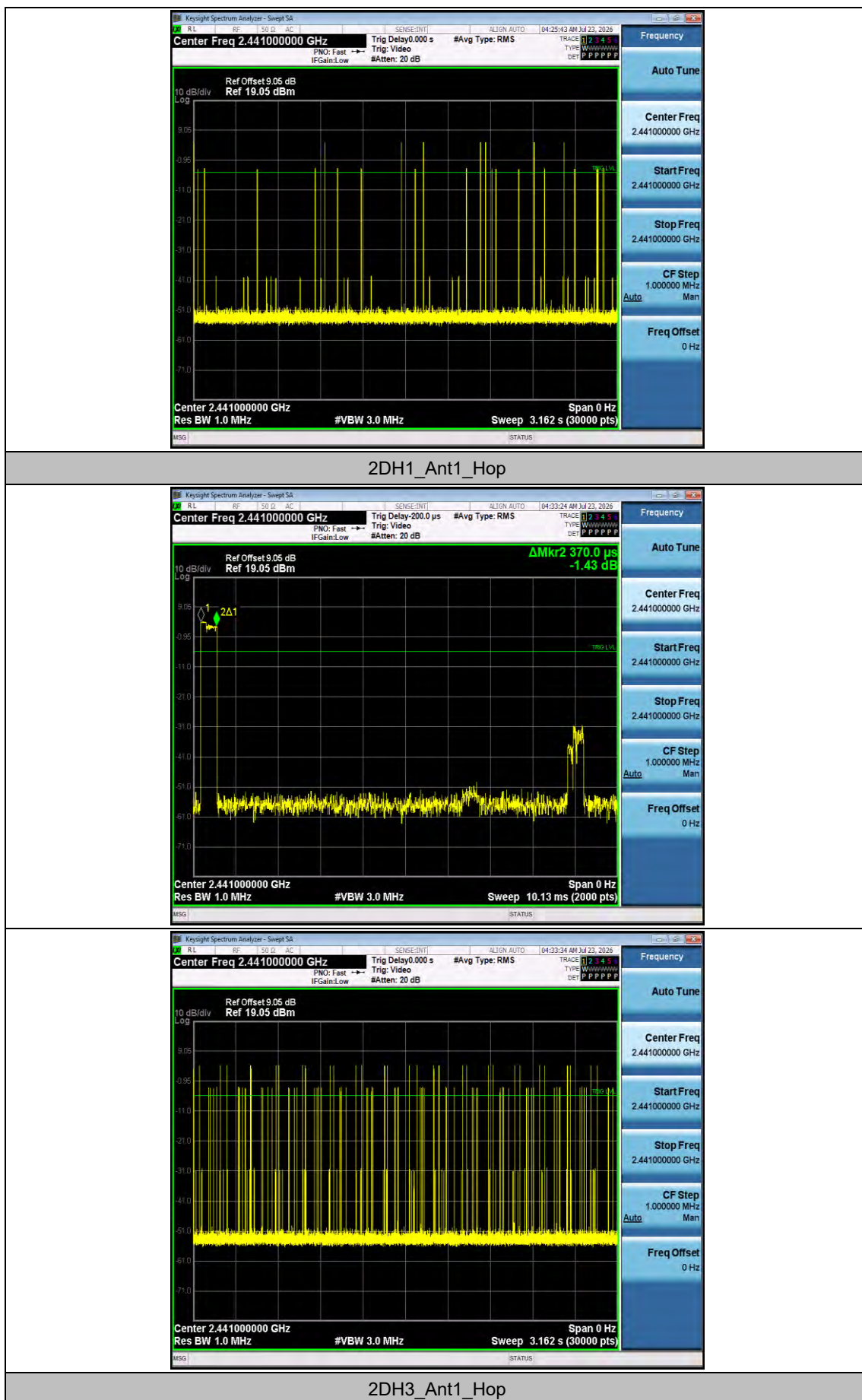
Test Result

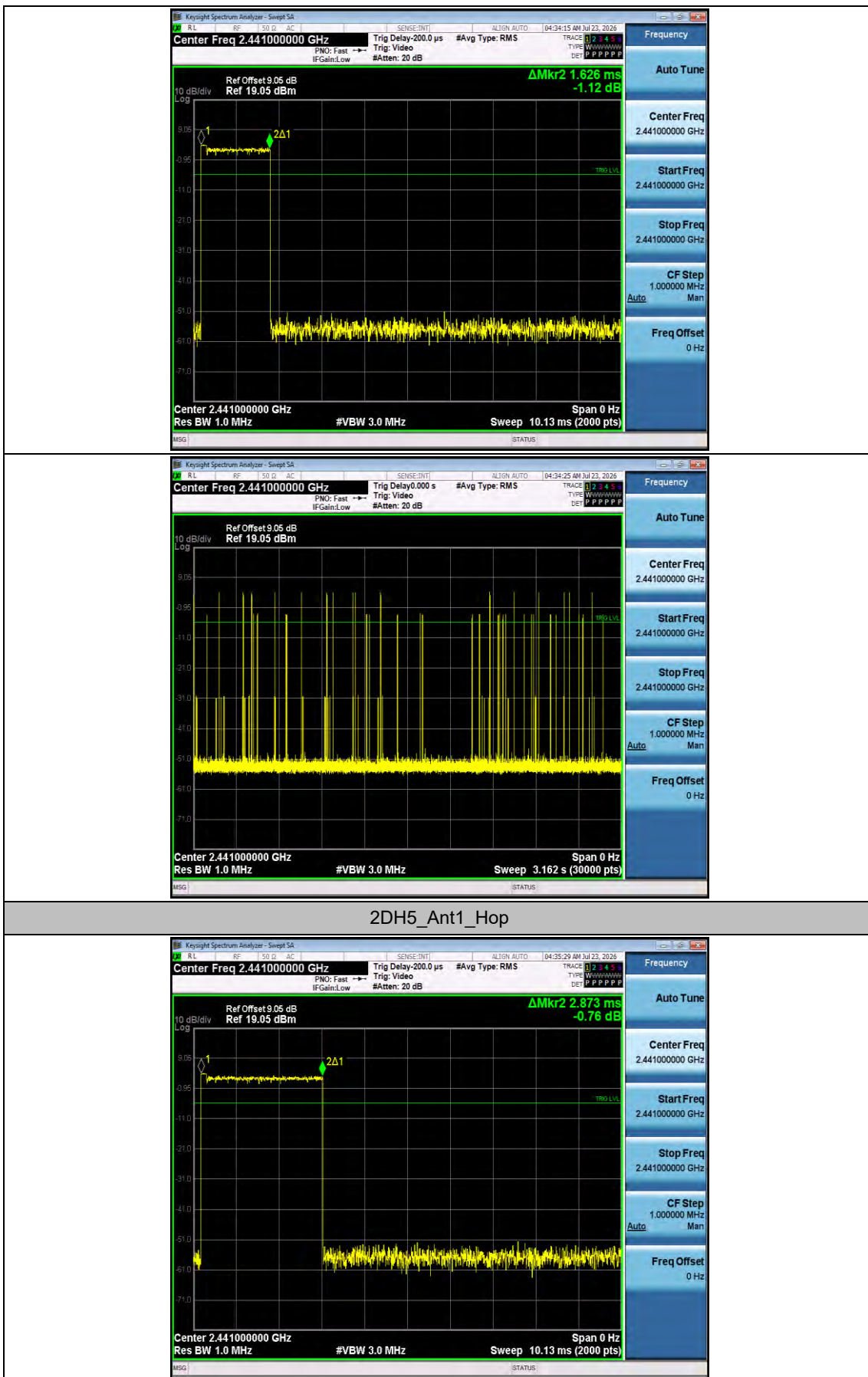
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.370	320	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.621	160	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.868	80	0.229	≤0.4	PASS
2DH1	Ant1	Hop	0.370	320	0.118	≤0.4	PASS
2DH3	Ant1	Hop	1.626	170	0.276	≤0.4	PASS
2DH5	Ant1	Hop	2.873	110	0.316	≤0.4	PASS
3DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.620	140	0.227	≤0.4	PASS
3DH5	Ant1	Hop	2.873	110	0.316	≤0.4	PASS

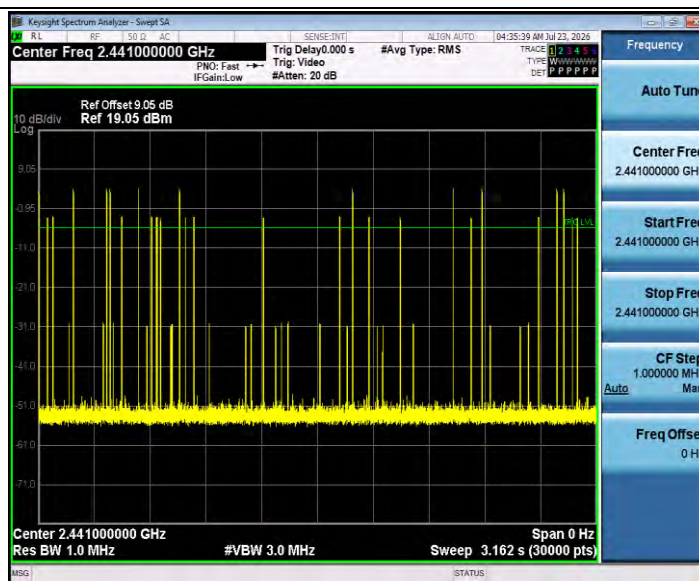
Test Graphs



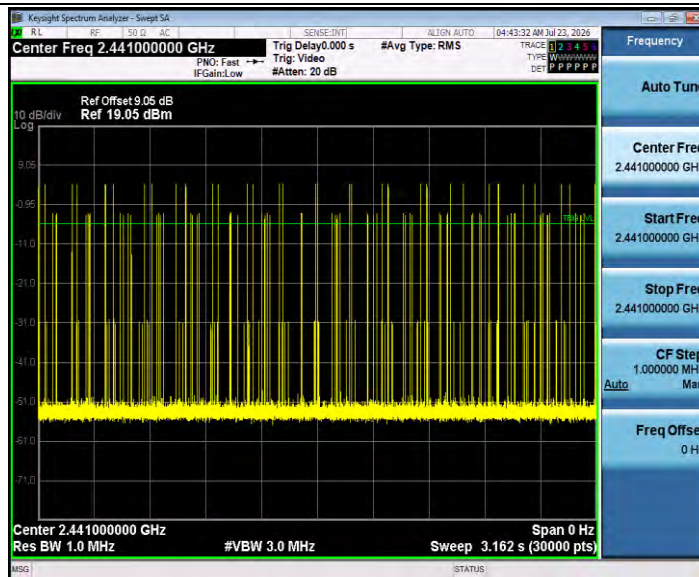
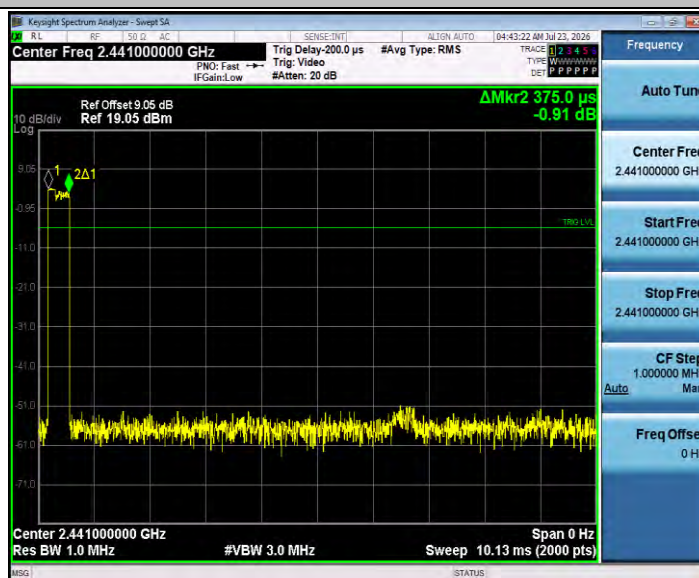




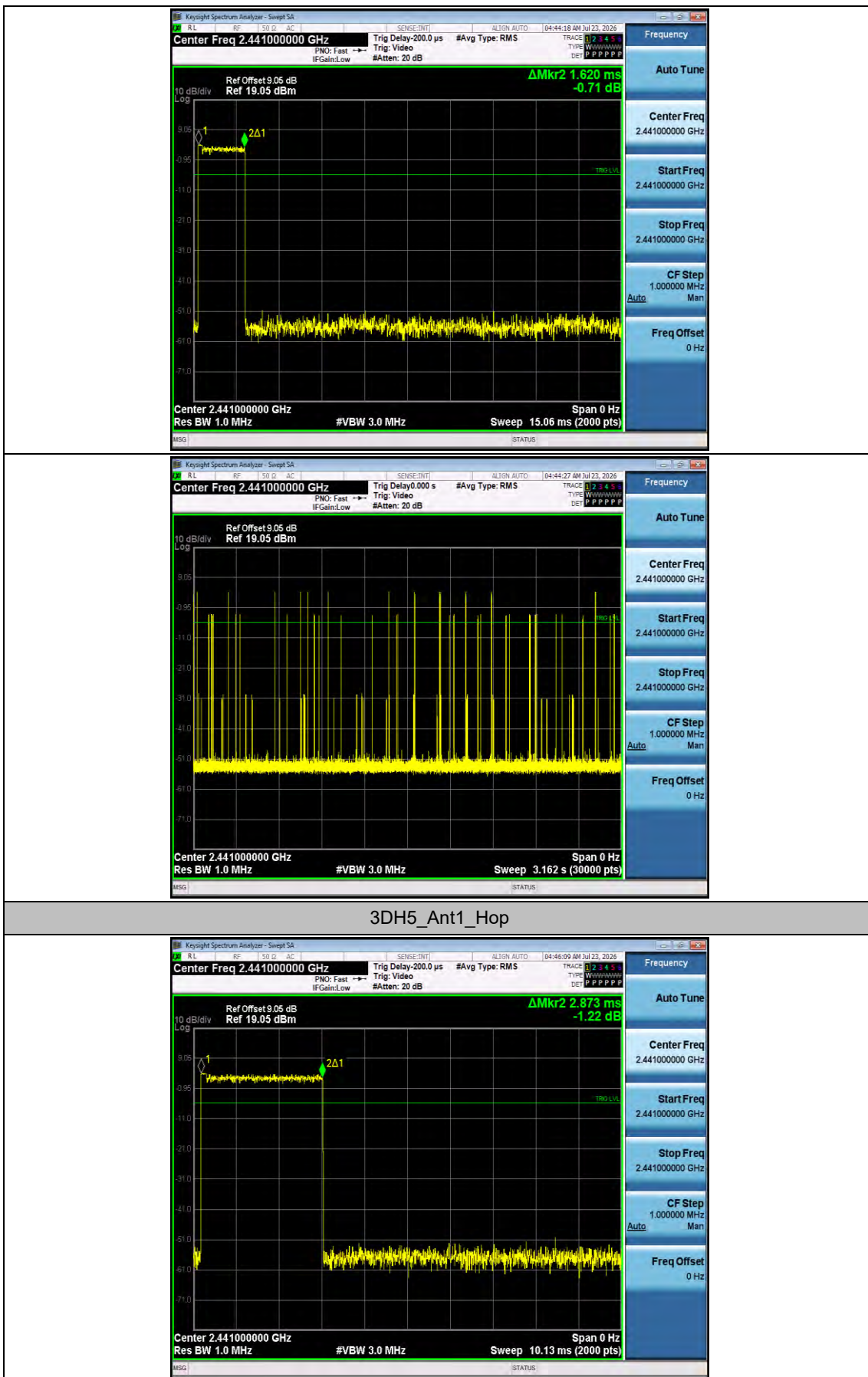


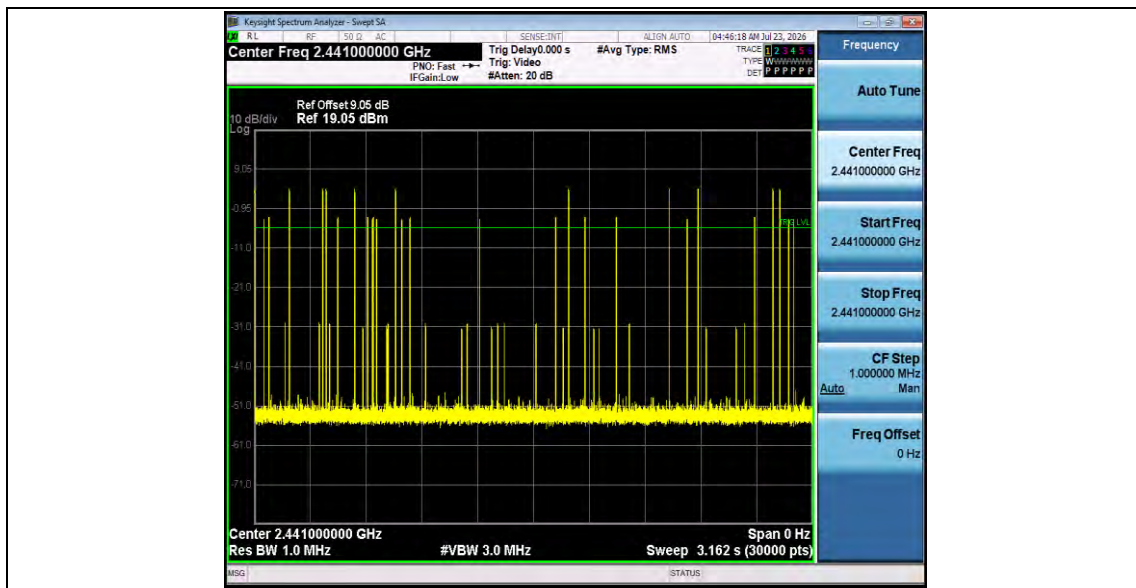


3DH1_Ant1_Hop



3DH3_Ant1_Hop



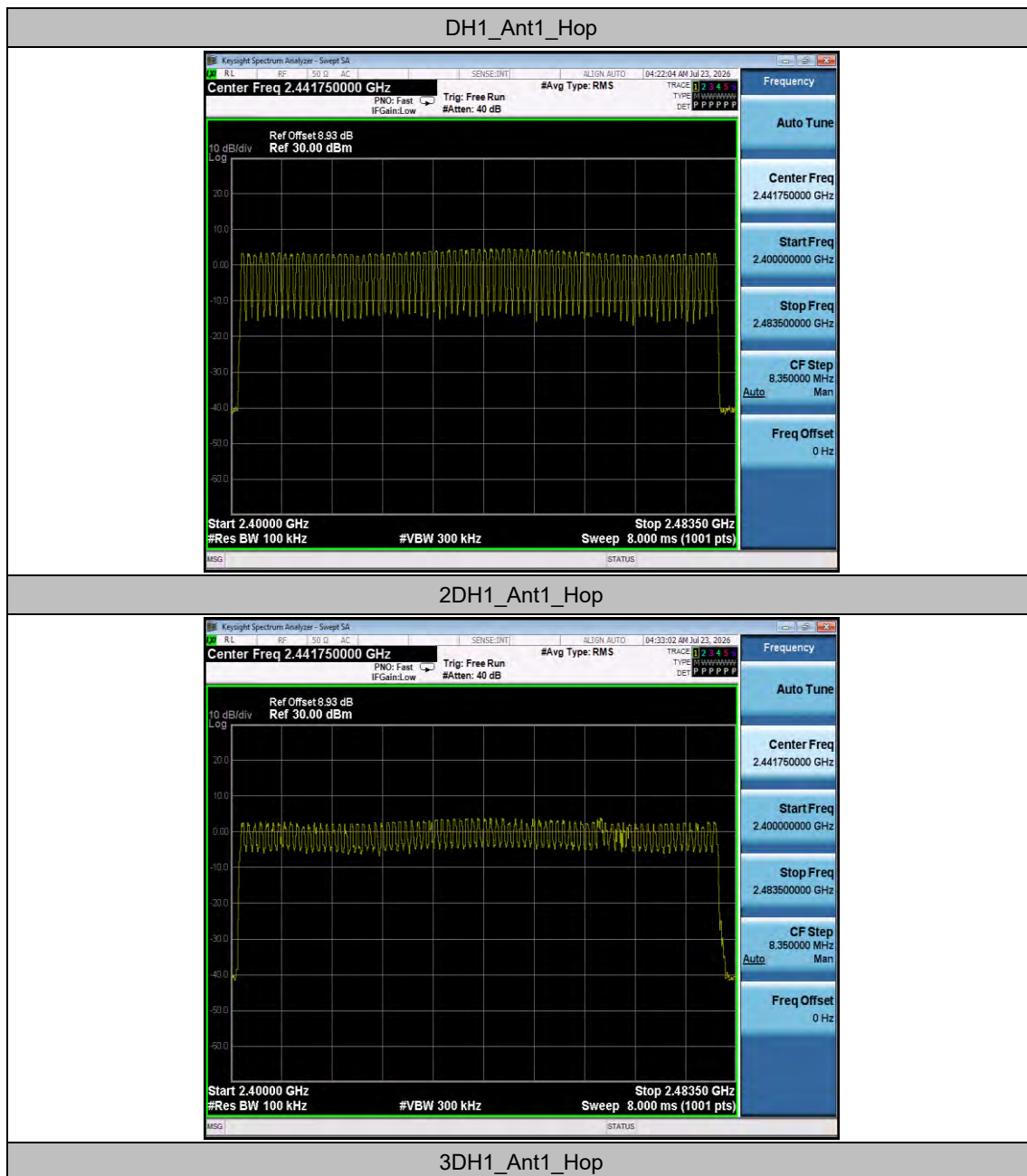


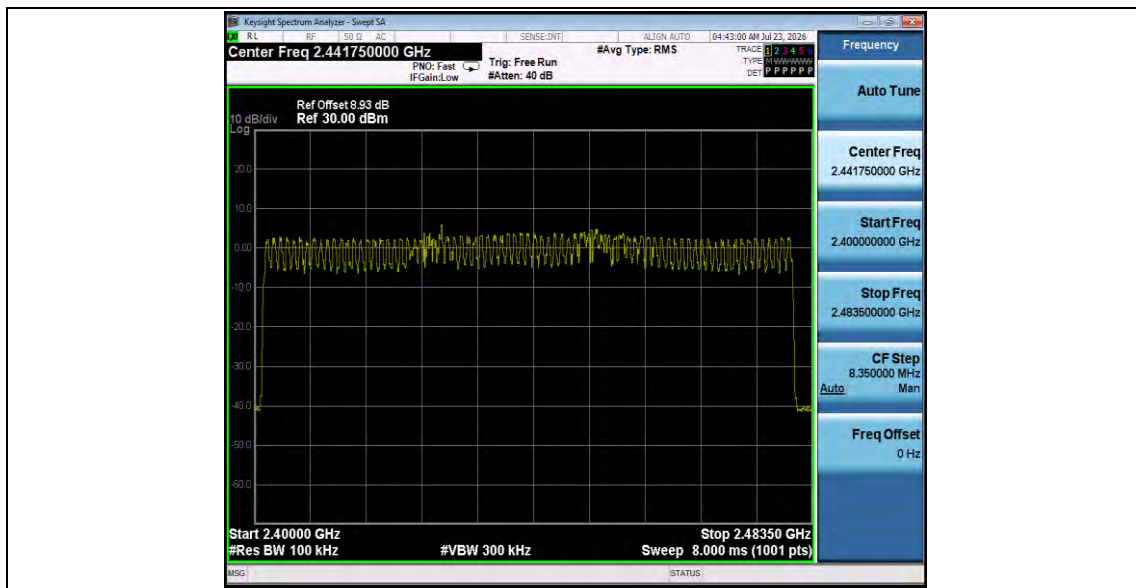
AppendixA.6: Number of hopping channels

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

Test Graphs



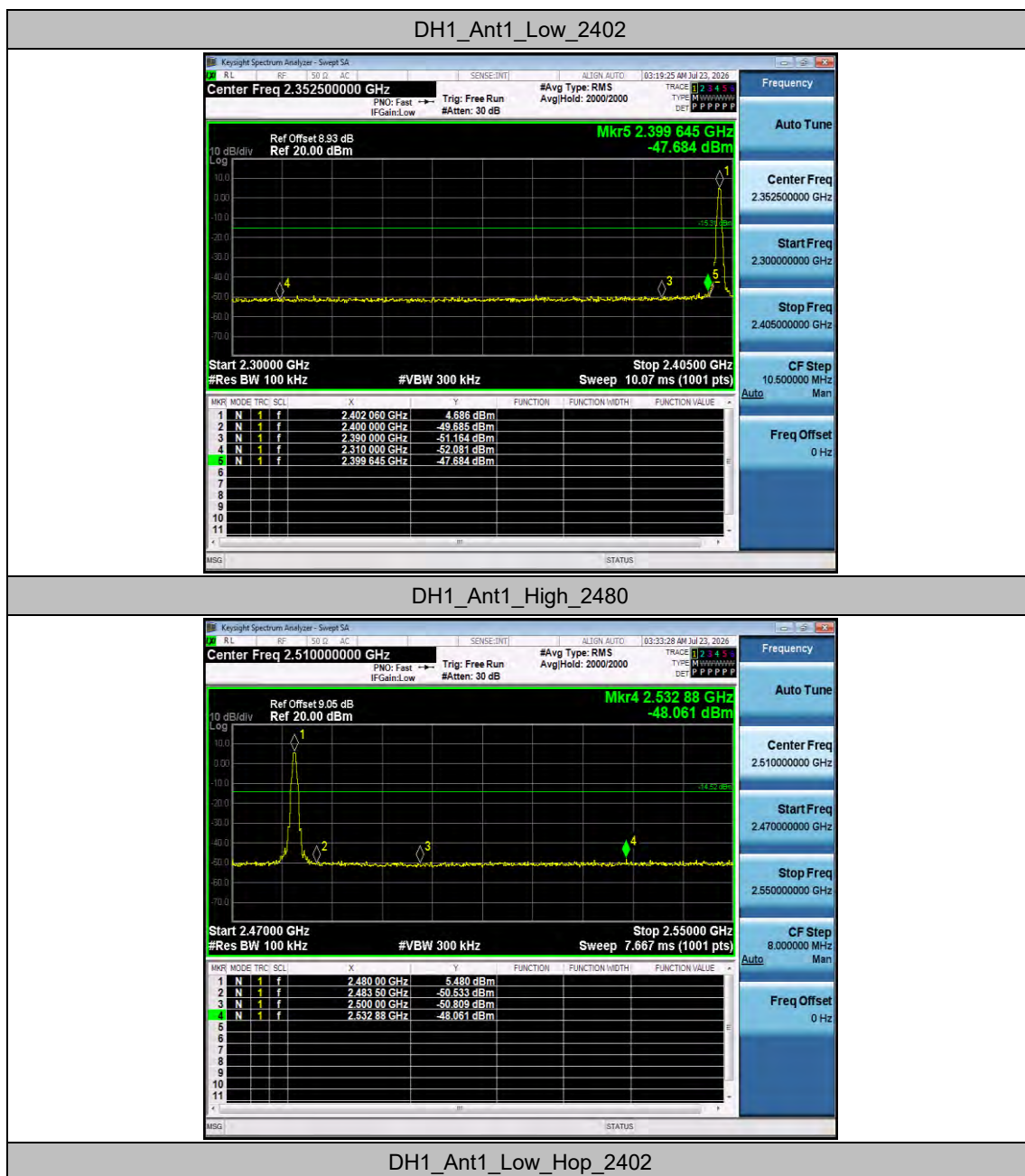


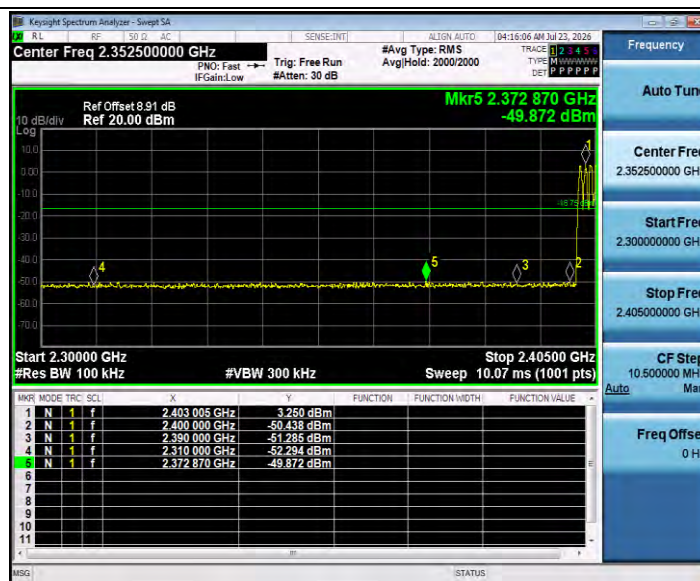
Appendix A.7: Band edge measurements

Test Result

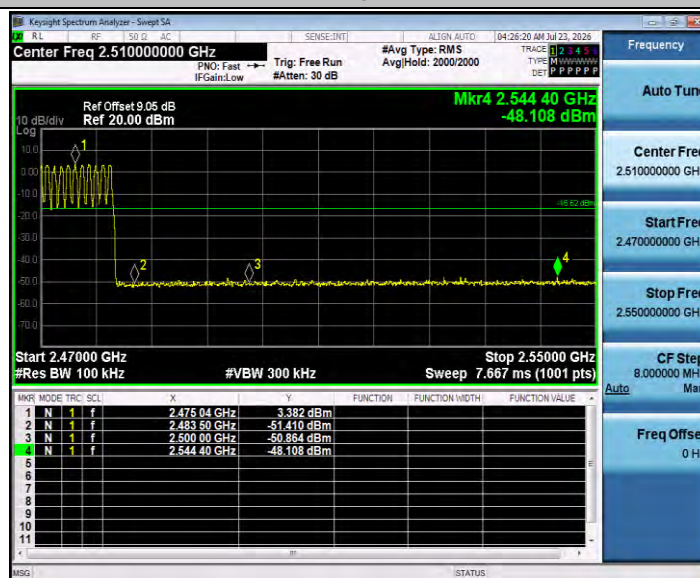
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	4.69	-47.68	≤ -15.31	PASS
		High	2480	5.48	-48.06	≤ -14.52	PASS
		Low	Hop_2402	3.25	-49.87	≤ -16.75	PASS
		High	Hop_2480	3.38	-48.11	≤ -16.62	PASS
2DH1	Ant1	Low	2402	2.31	-47.7	≤ -17.69	PASS
		High	2480	3.24	-48.72	≤ -16.76	PASS
		Low	Hop_2402	2.45	-49.75	≤ -17.55	PASS
		High	Hop_2480	2.57	-48.9	≤ -17.43	PASS
3DH1	Ant1	Low	2402	2.50	-48.47	≤ -17.5	PASS
		High	2480	3.39	-48.14	≤ -16.61	PASS
		Low	Hop_2402	2.22	-49.23	≤ -17.78	PASS
		High	Hop_2480	1.29	-48.13	≤ -18.71	PASS

Test Graphs

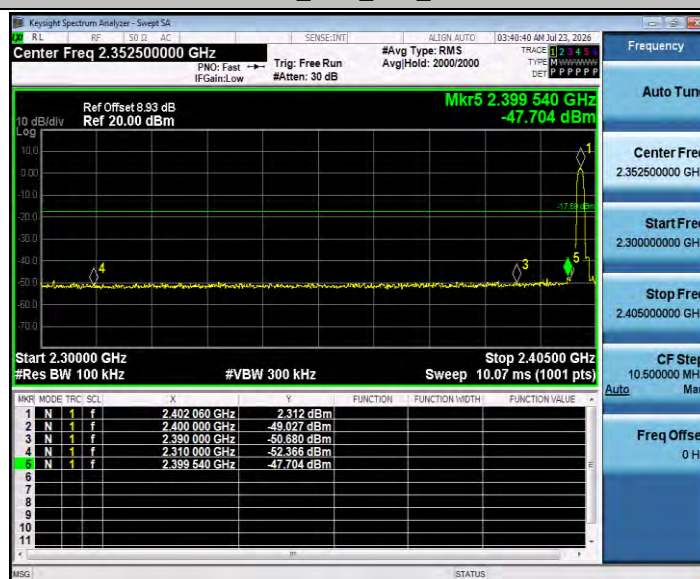




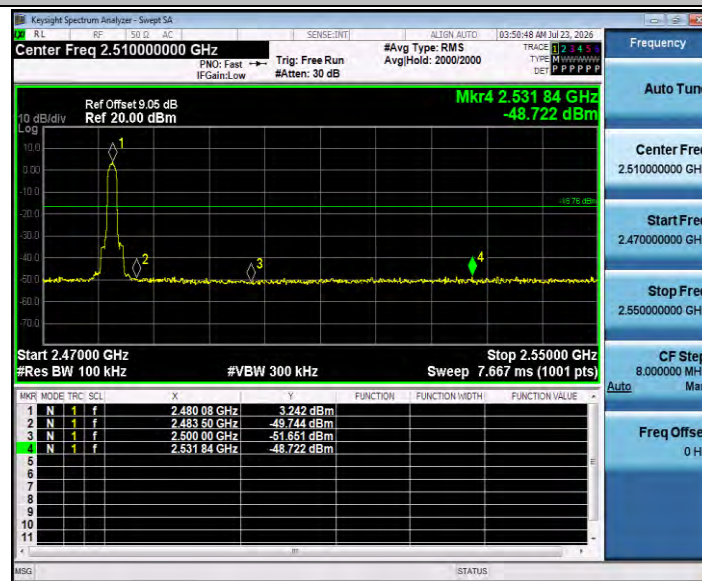
DH1_Ant1_High_Hop_2480



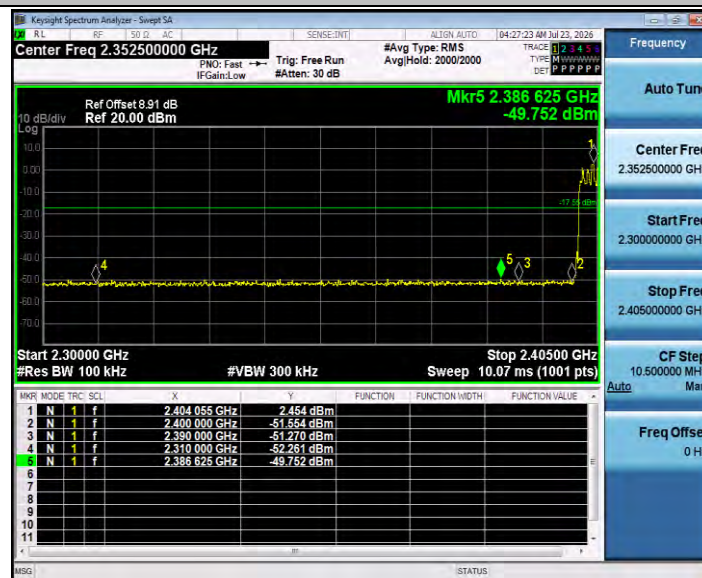
2DH1_Ant1_Low_2402



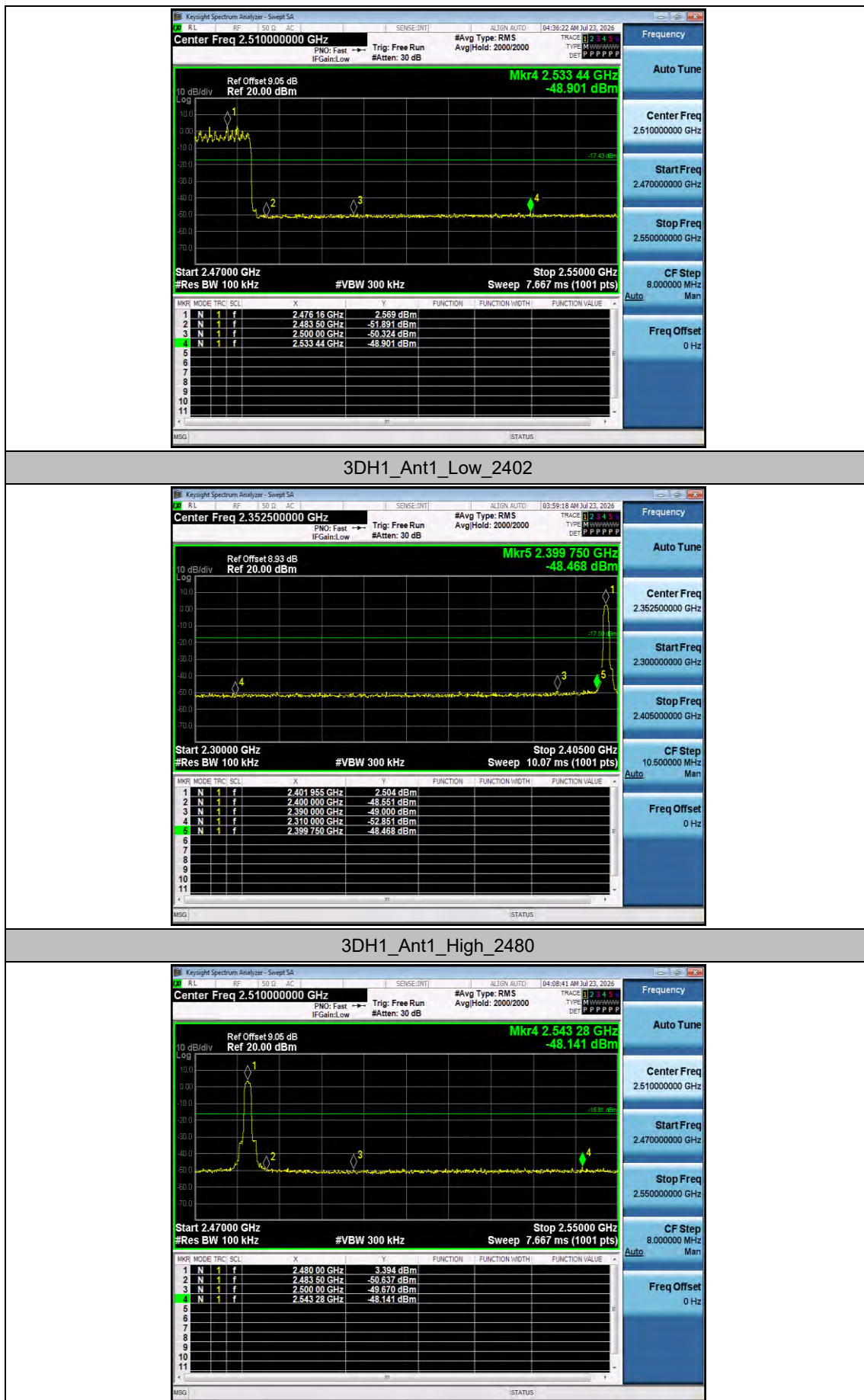
2DH1_Ant1_High_2480



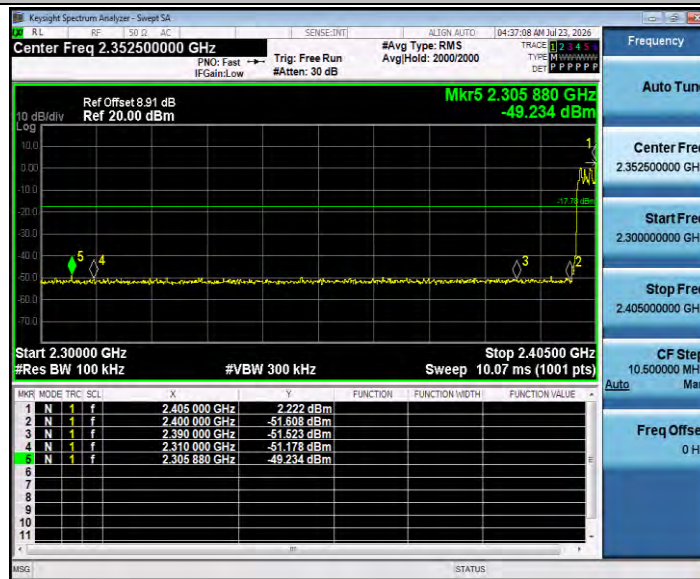
2DH1_Ant1_Low_Hop_2402



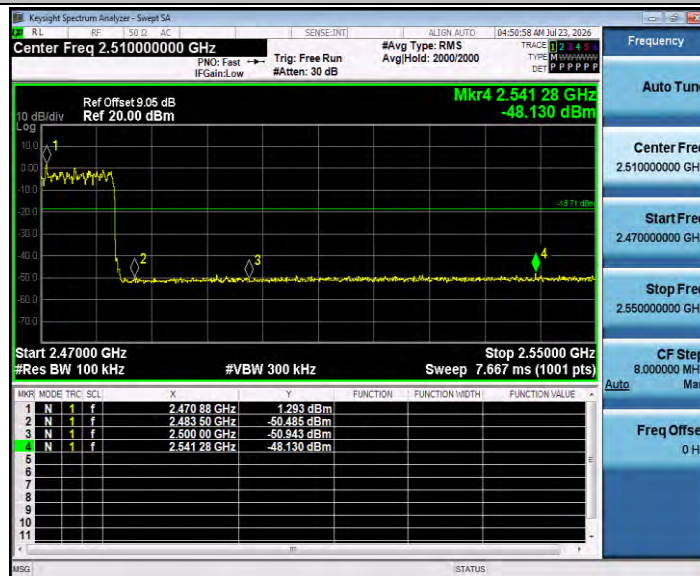
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

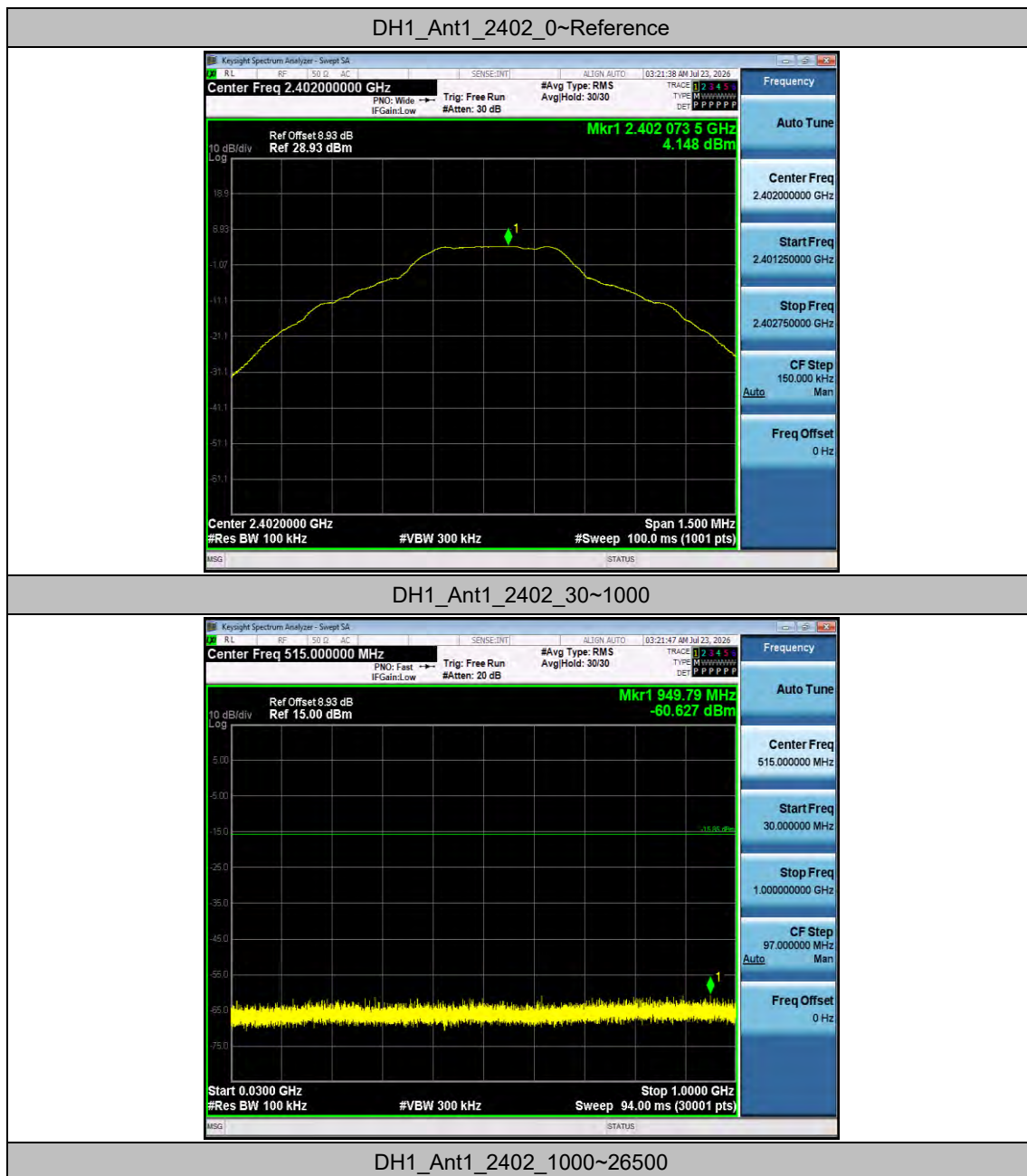


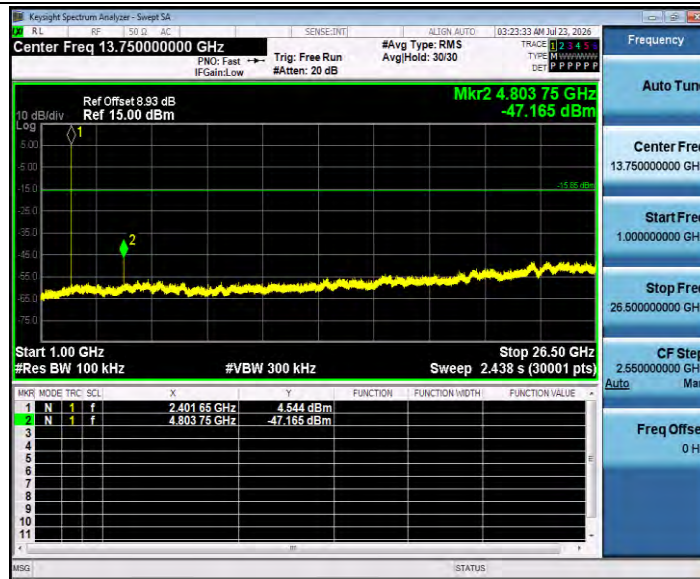
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	4.15	4.15	---	PASS
			30~1000	4.15	-60.63	≤ -15.85	PASS
			1000~26500	4.15	-47.17	≤ -15.85	PASS
		2441	Reference	5.46	5.46	---	PASS
			30~1000	5.46	-59.61	≤ -14.54	PASS
			1000~26500	5.46	-45.22	≤ -14.54	PASS
		2480	Reference	4.97	4.97	---	PASS
			30~1000	4.97	-60.66	≤ -15.03	PASS
			1000~26500	4.97	-45.58	≤ -15.03	PASS
2DH1	Ant1	2402	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-60.52	≤ -18	PASS
			1000~26500	2.00	-48.2	≤ -18	PASS
		2441	Reference	3.31	3.31	---	PASS
			30~1000	3.31	-59.9	≤ -16.69	PASS
			1000~26500	3.31	-46.68	≤ -16.69	PASS
		2480	Reference	2.93	2.93	---	PASS
			30~1000	2.93	-60.79	≤ -17.07	PASS
			1000~26500	2.93	-44.9	≤ -17.07	PASS
3DH1	Ant1	2402	Reference	2.04	2.04	---	PASS
			30~1000	2.04	-60.65	≤ -17.96	PASS
			1000~26500	2.04	-47.47	≤ -17.96	PASS
		2441	Reference	3.37	3.37	---	PASS
			30~1000	3.37	-60.24	≤ -16.63	PASS
			1000~26500	3.37	-47.47	≤ -16.63	PASS
		2480	Reference	2.97	2.97	---	PASS
			30~1000	2.97	-60.55	≤ -17.03	PASS
			1000~26500	2.97	-46.3	≤ -17.03	PASS

Test Graphs

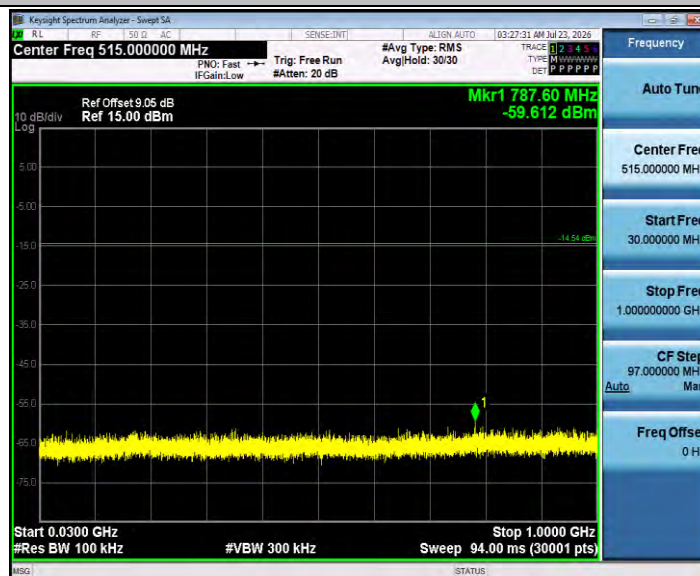




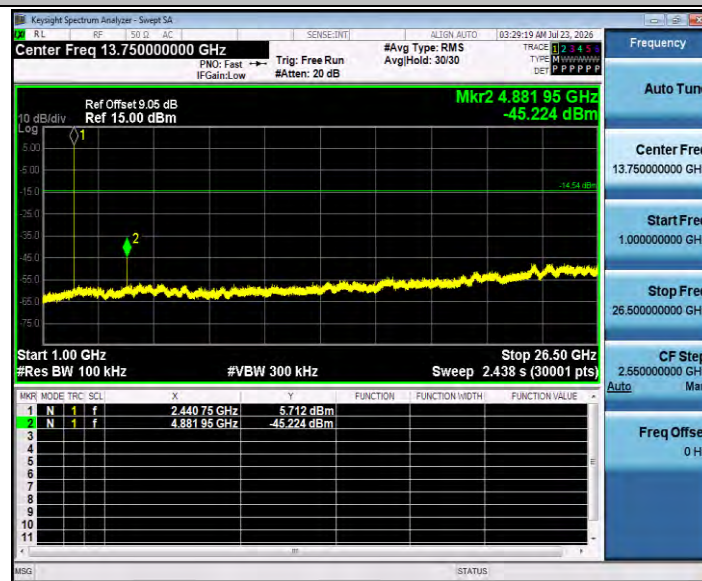
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



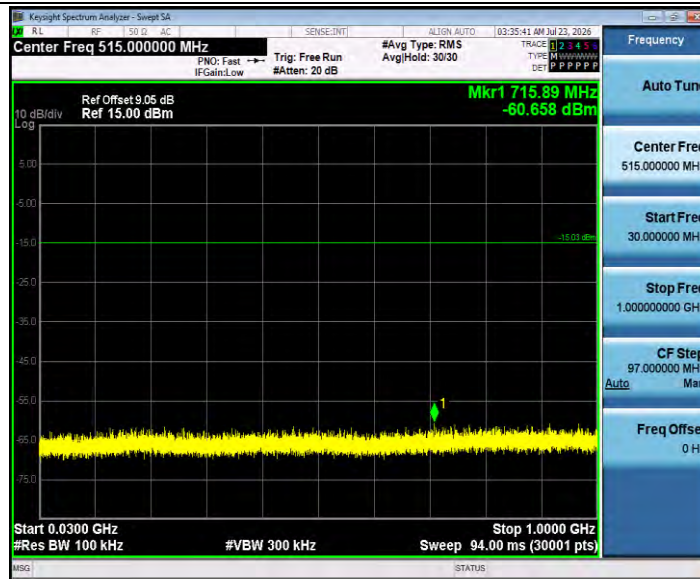
DH1_Ant1_2441_1000~26500



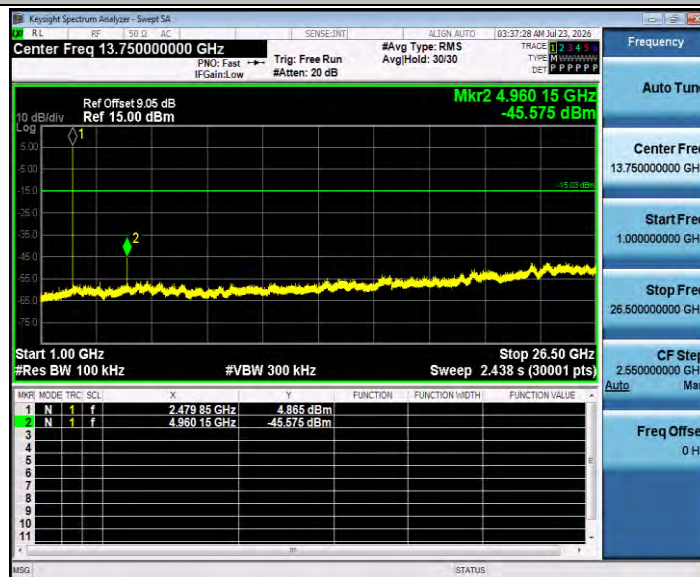
DH1_Ant1_2480_0~Reference



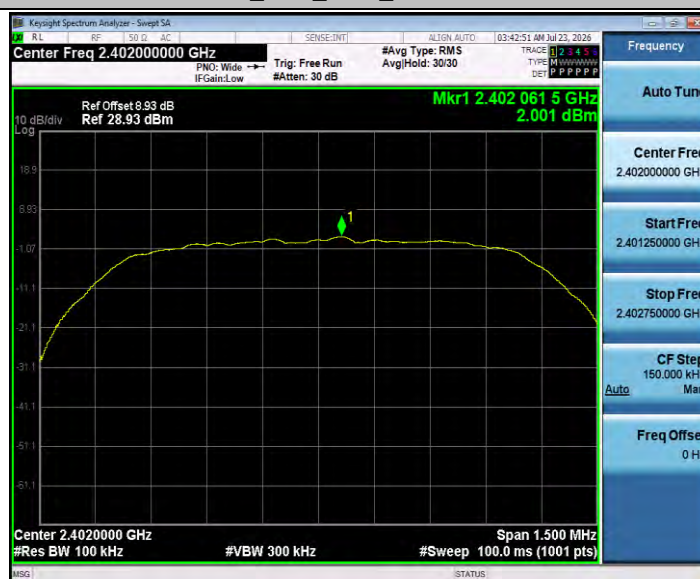
DH1_Ant1_2480_30~1000

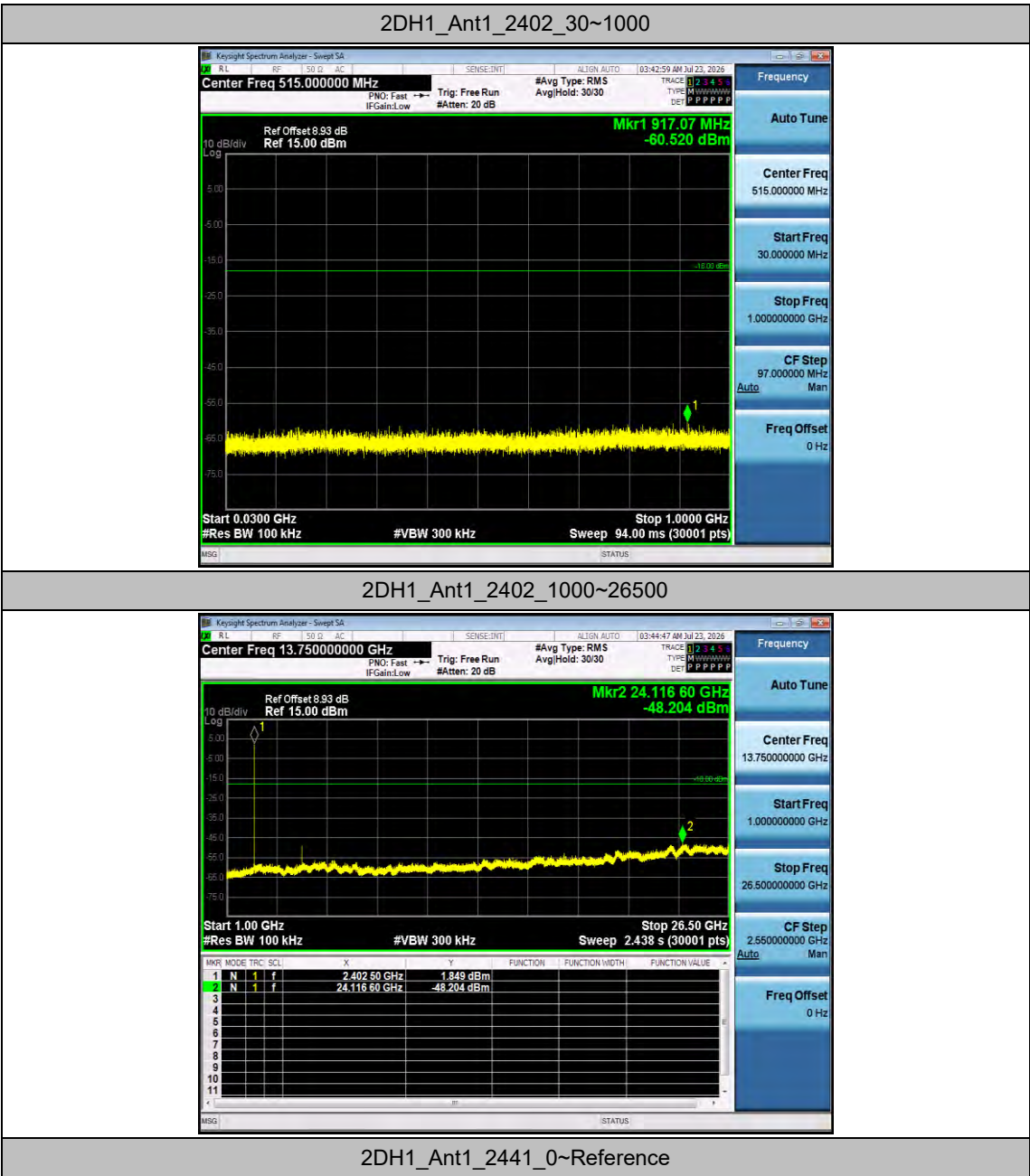


DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



2DH1_Ant1_2441_1000~26500



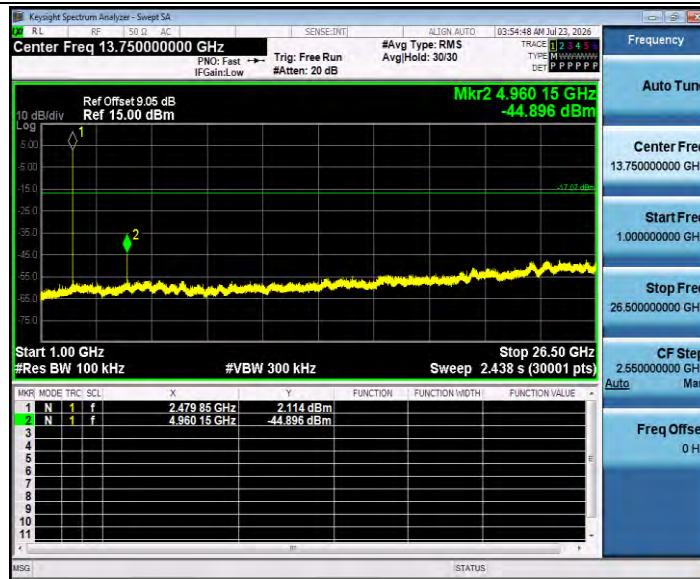
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



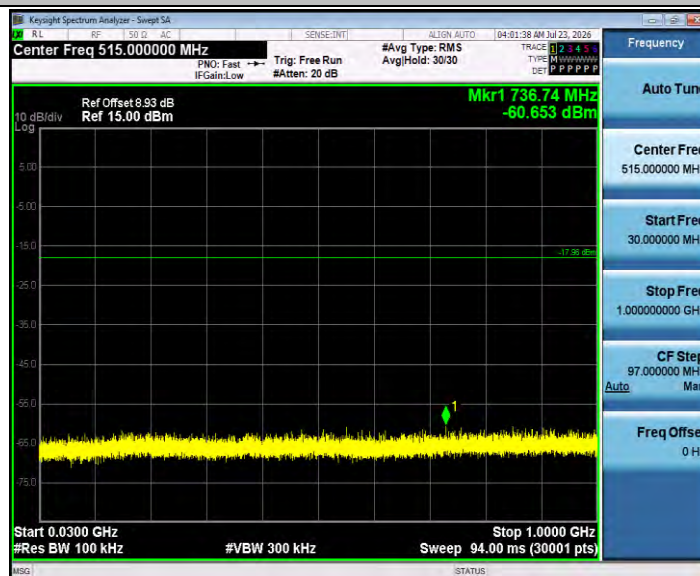
2DH1_Ant1_2480_1000~26500



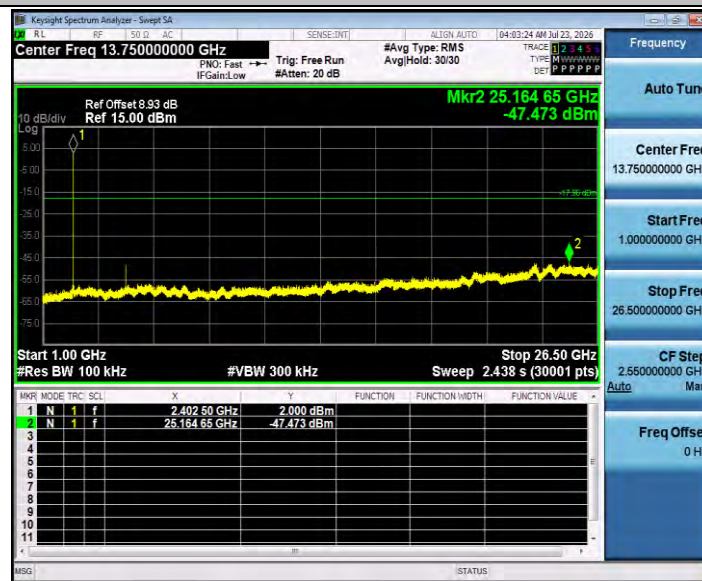
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



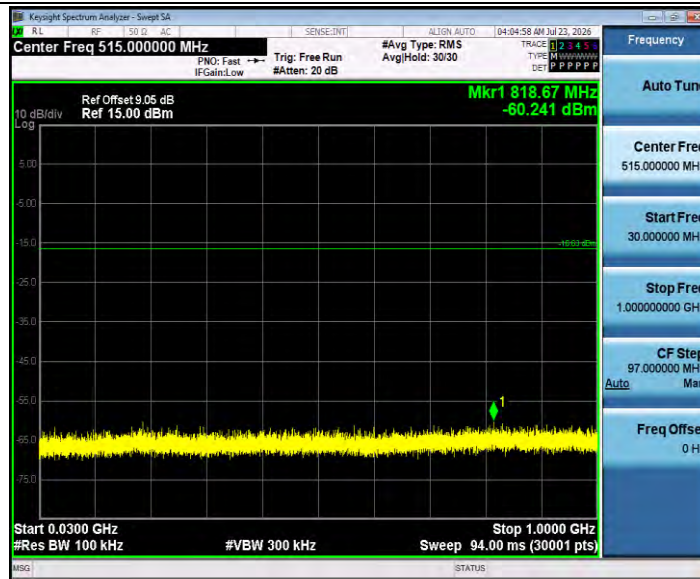
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

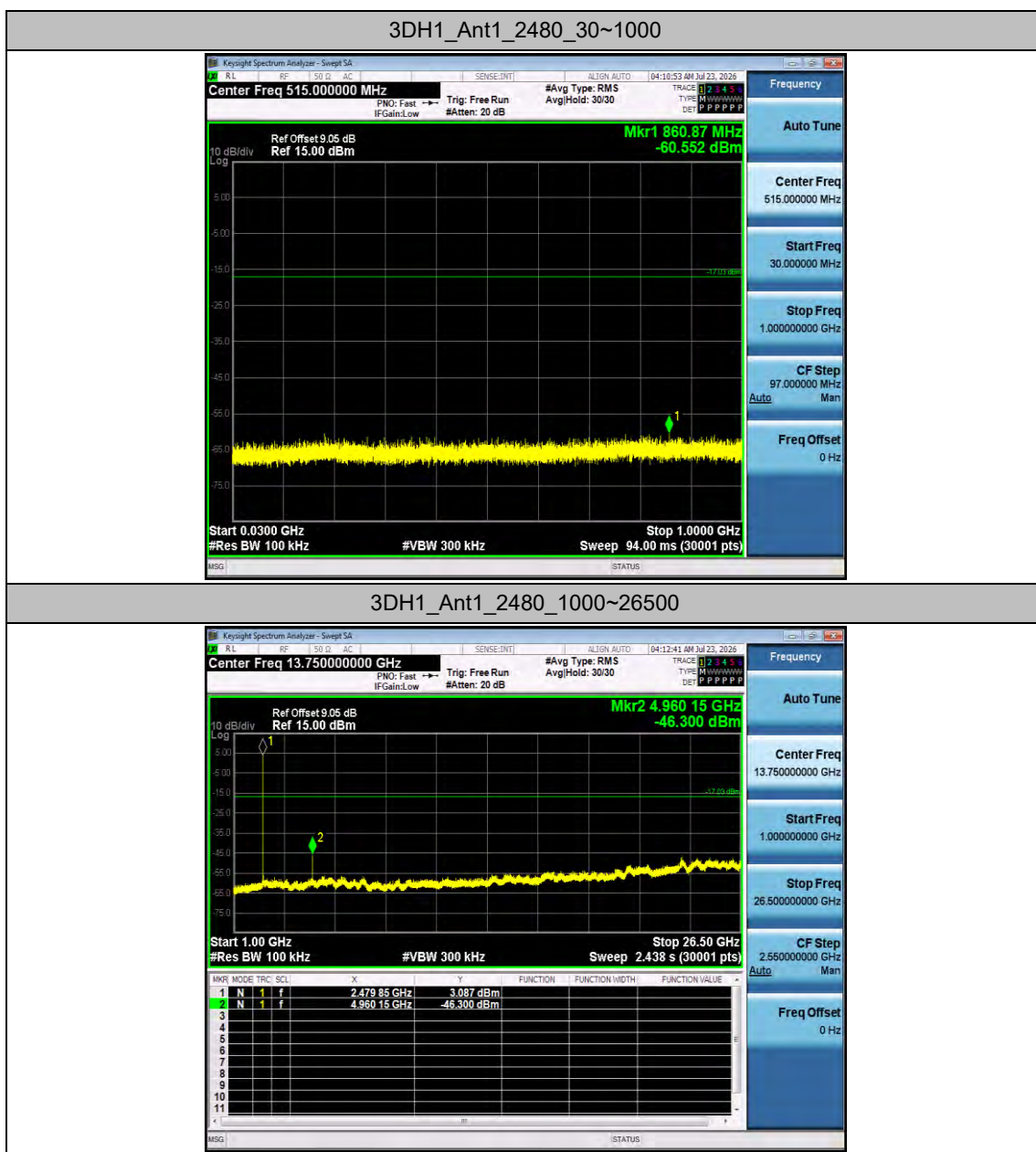


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

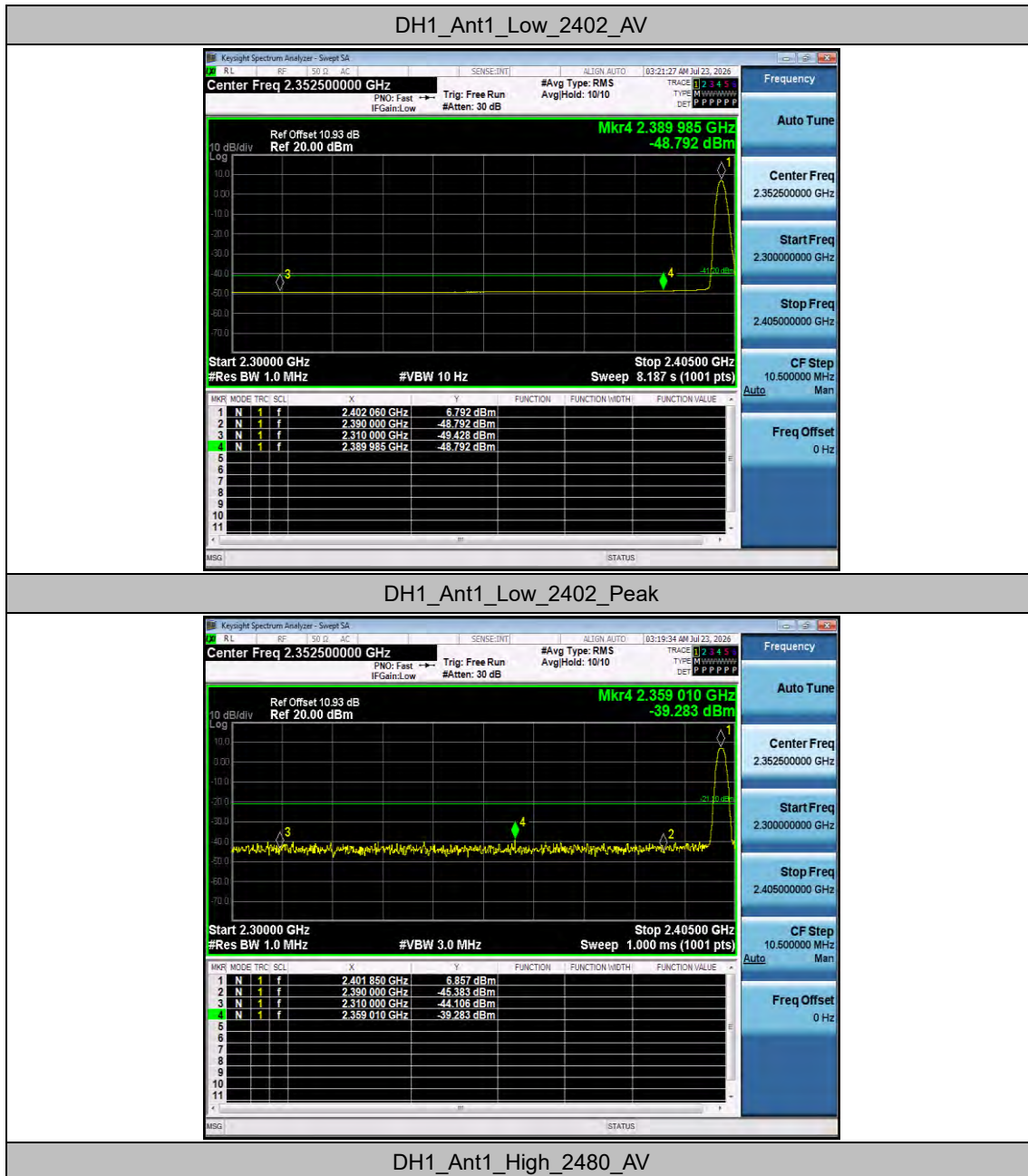
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.43	≤-41.20	45.77	≤54	PASS
				AV	2389.985	-48.79	≤-41.20	46.41	≤54	PASS
				AV	2390.000	-48.79	≤-41.20	46.41	≤54	PASS
				Peak	2310.000	-44.11	≤-21.20	51.09	≤74	PASS
				Peak	2359.010	-39.28	≤-21.20	55.92	≤74	PASS
				Peak	2390.000	-45.38	≤-21.20	49.82	≤74	PASS
		High	2480	AV	2483.500	-46.66	≤-41.20	48.54	≤54	PASS
				AV	2483.520	-46.66	≤-41.20	48.54	≤54	PASS
				AV	2500.000	-48.7	≤-41.20	46.50	≤54	PASS
				Peak	2483.500	-42.03	≤-21.20	53.17	≤74	PASS
				Peak	2487.520	-40.43	≤-21.20	54.77	≤74	PASS
				Peak	2500.000	-43.15	≤-21.20	52.05	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.46	≤-41.20	45.74	≤54	PASS
				AV	2389.985	-48.72	≤-41.20	46.48	≤54	PASS
				AV	2390.000	-48.72	≤-41.20	46.48	≤54	PASS
				Peak	2310.000	-42.96	≤-21.20	52.24	≤74	PASS
				Peak	2368.880	-39.66	≤-21.20	55.54	≤74	PASS
				Peak	2390.000	-44.15	≤-21.20	51.05	≤74	PASS
		High	2480	AV	2483.500	-45.89	≤-41.20	49.31	≤54	PASS
				AV	2483.520	-45.89	≤-41.20	49.31	≤54	PASS
				AV	2500.000	-48.64	≤-41.20	46.56	≤54	PASS
				Peak	2483.500	-43.24	≤-21.20	51.96	≤74	PASS
				Peak	2493.840	-39.25	≤-21.20	55.95	≤74	PASS
				Peak	2500.000	-41.32	≤-21.20	53.88	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.65	≤-41.20	45.55	≤54	PASS
				AV	2389.985	-48.94	≤-41.20	46.26	≤54	PASS
				AV	2390.000	-48.94	≤-41.20	46.26	≤54	PASS
				Peak	2310.000	-43.85	≤-21.20	51.35	≤74	PASS
				Peak	2347.670	-39.24	≤-21.20	55.96	≤74	PASS
				Peak	2390.000	-44.06	≤-21.20	51.14	≤74	PASS
		High	2480	AV	2483.500	-45.65	≤-41.20	49.55	≤54	PASS
				AV	2483.520	-45.65	≤-41.20	49.55	≤54	PASS
				AV	2500.000	-48.65	≤-41.20	46.55	≤54	PASS
				Peak	2483.500	-41.93	≤-21.20	53.27	≤74	PASS
				Peak	2485.040	-39.46	≤-21.20	55.74	≤74	PASS

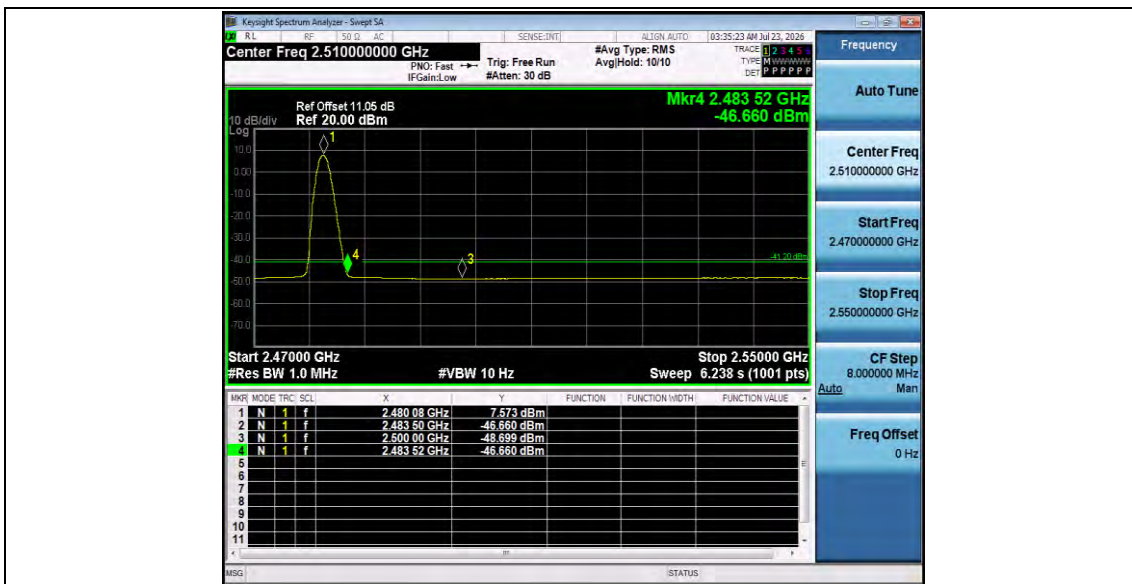
				Peak	2500.000	-42.72	≤-21.20	52.48	≤74	PASS
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Note:

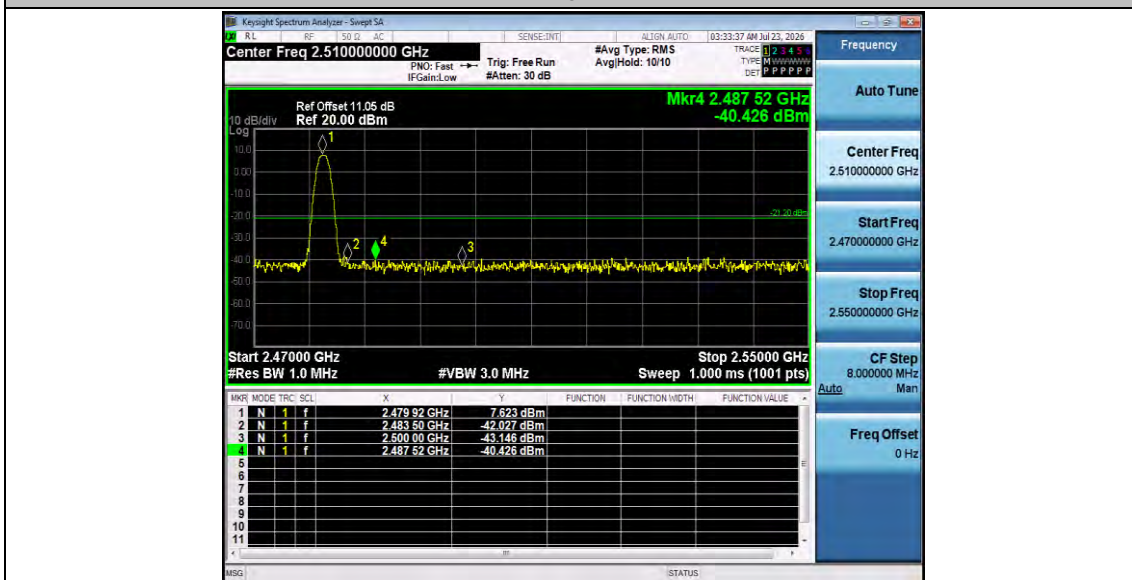
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

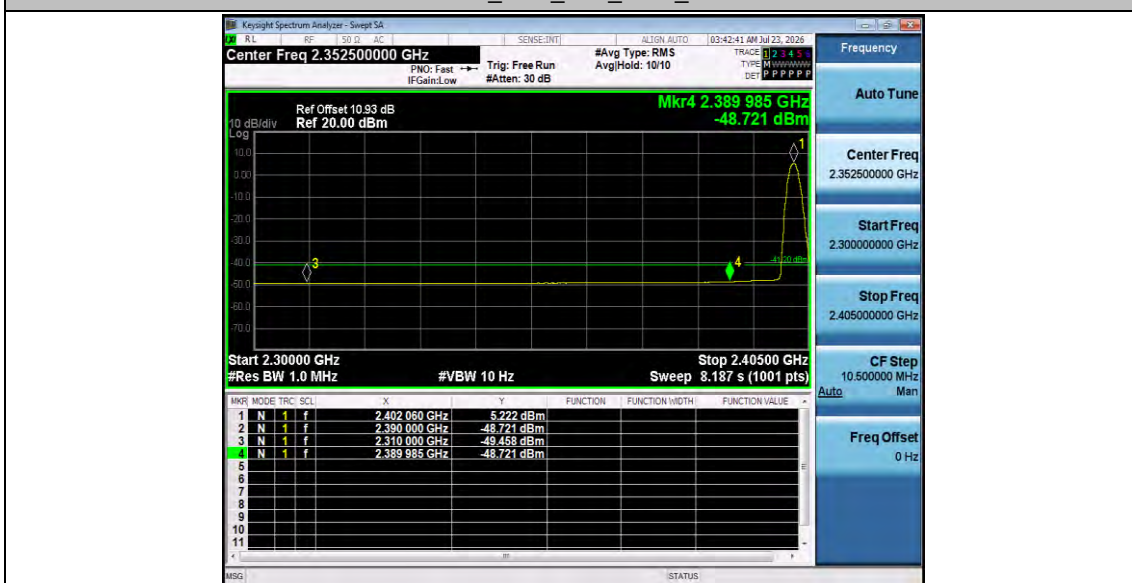




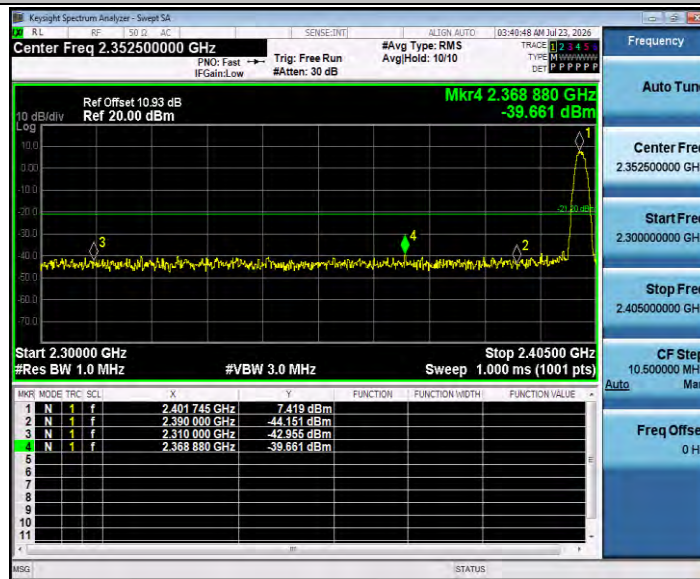
DH1_Ant1_High_2480_Peak



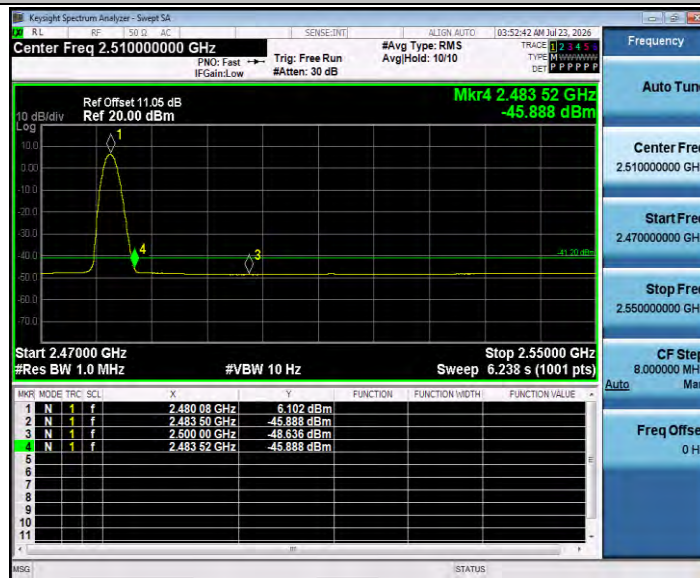
2DH1_Ant1_Low_2402_AV



2DH1_Ant1_Low_2402_Peak



2DH1_Ant1_High_2480_AV



2DH1_Ant1_High_2480_Peak

