

Case No. : <u>GTS20260821003-1-09</u>
Ambient Condition: <u>25</u> °C, <u>47</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.8.26-2026.9.10</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	Ant0	2402	1.044	2401.499	2402.543	---	---
		2441	1.056	2440.490	2441.546	---	---
		2480	1.038	2479.499	2480.537	---	---
2DH1	Ant0	2402	1.275	2401.373	2402.648	---	---
		2441	1.263	2440.385	2441.648	---	---
		2480	1.272	2479.379	2480.651	---	---
3DH1	Ant0	2402	1.242	2401.382	2402.624	---	---
		2441	1.272	2440.367	2441.639	---	---
		2480	1.269	2479.370	2480.639	---	---

Test Graphs

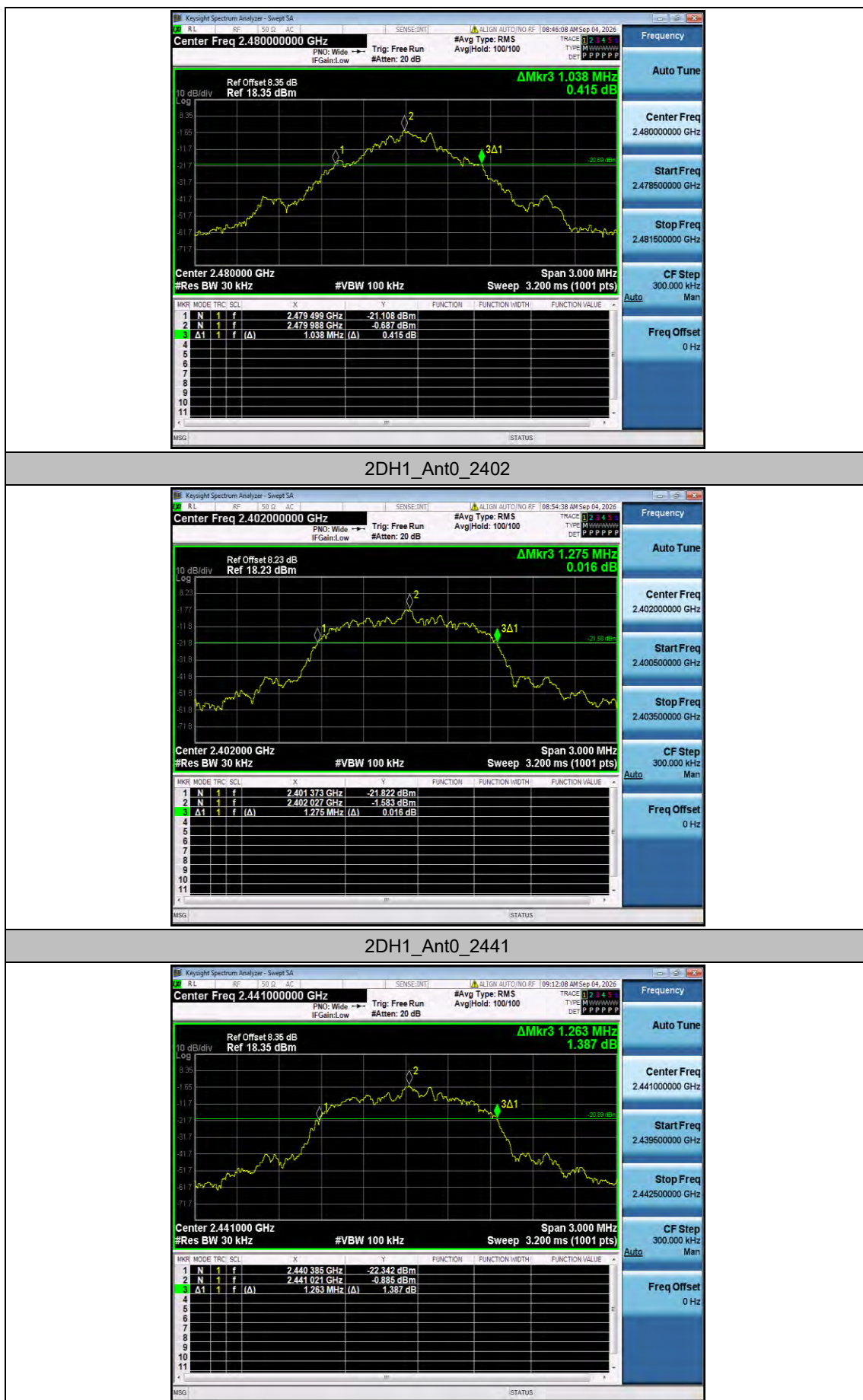
DH1_Ant0_2402



DH1_Ant0_2441



DH1_Ant0_2480



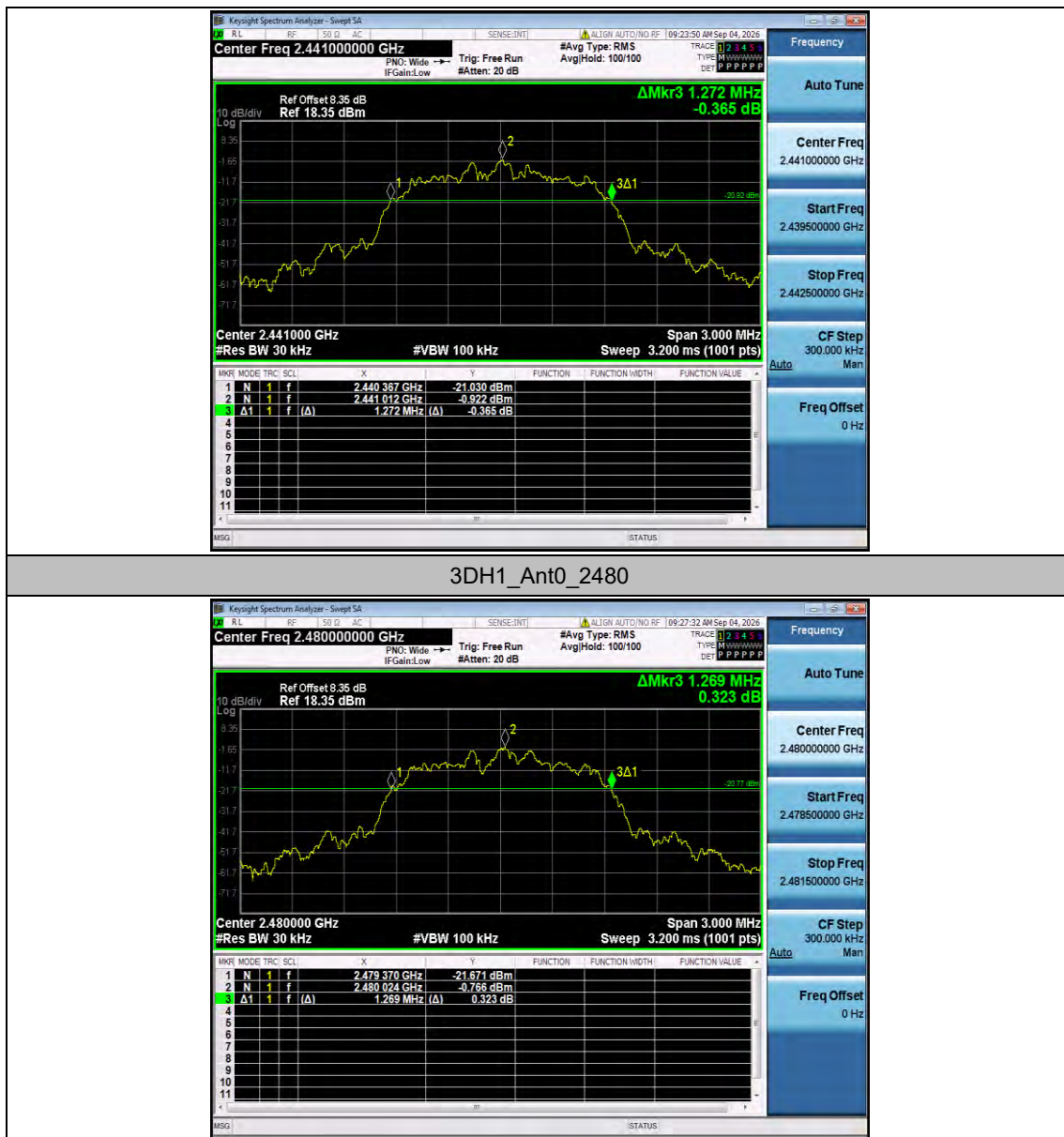
2DH1_Ant0_2480



3DH1_Ant0_2402



3DH1_Ant0_2441

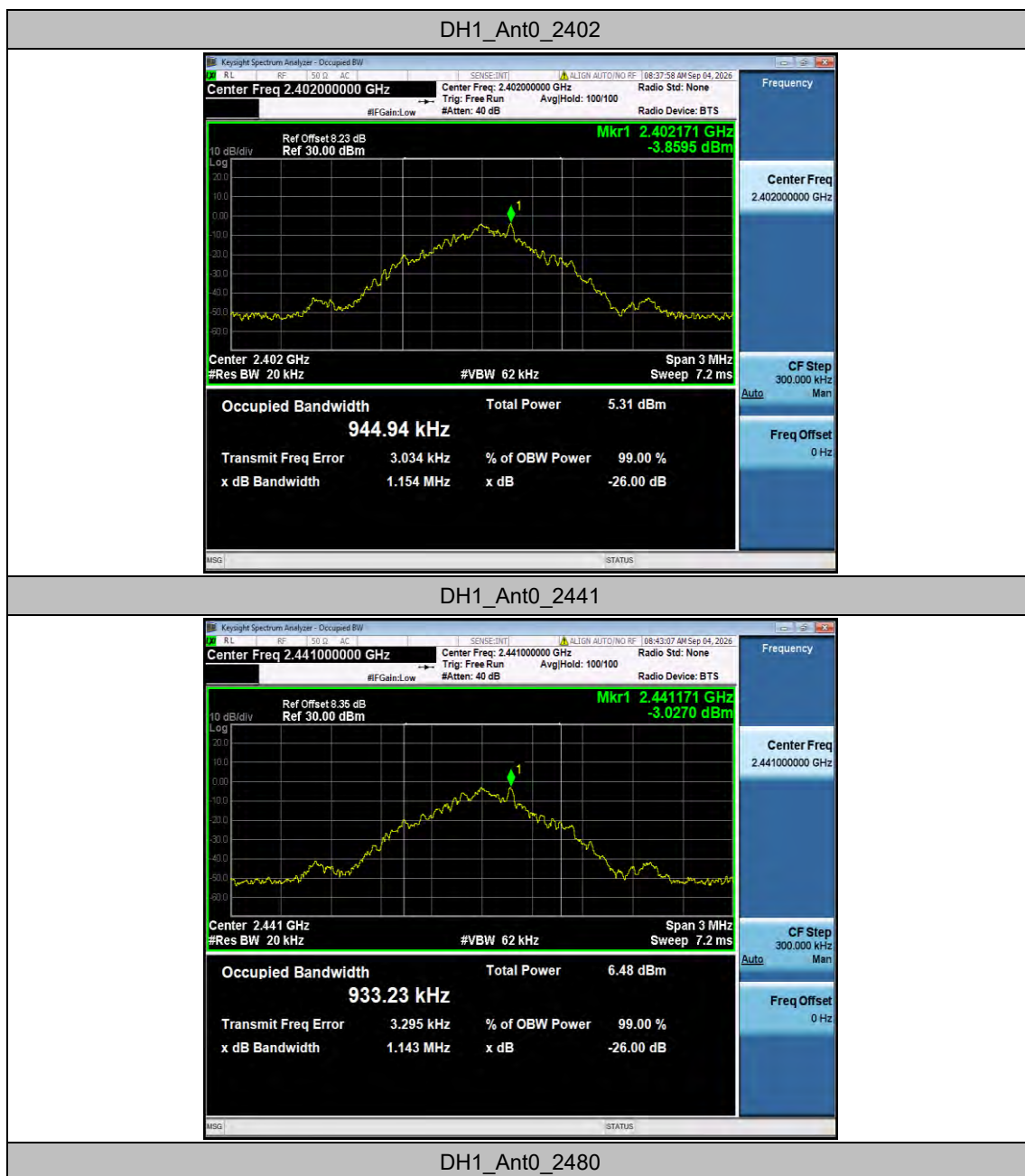


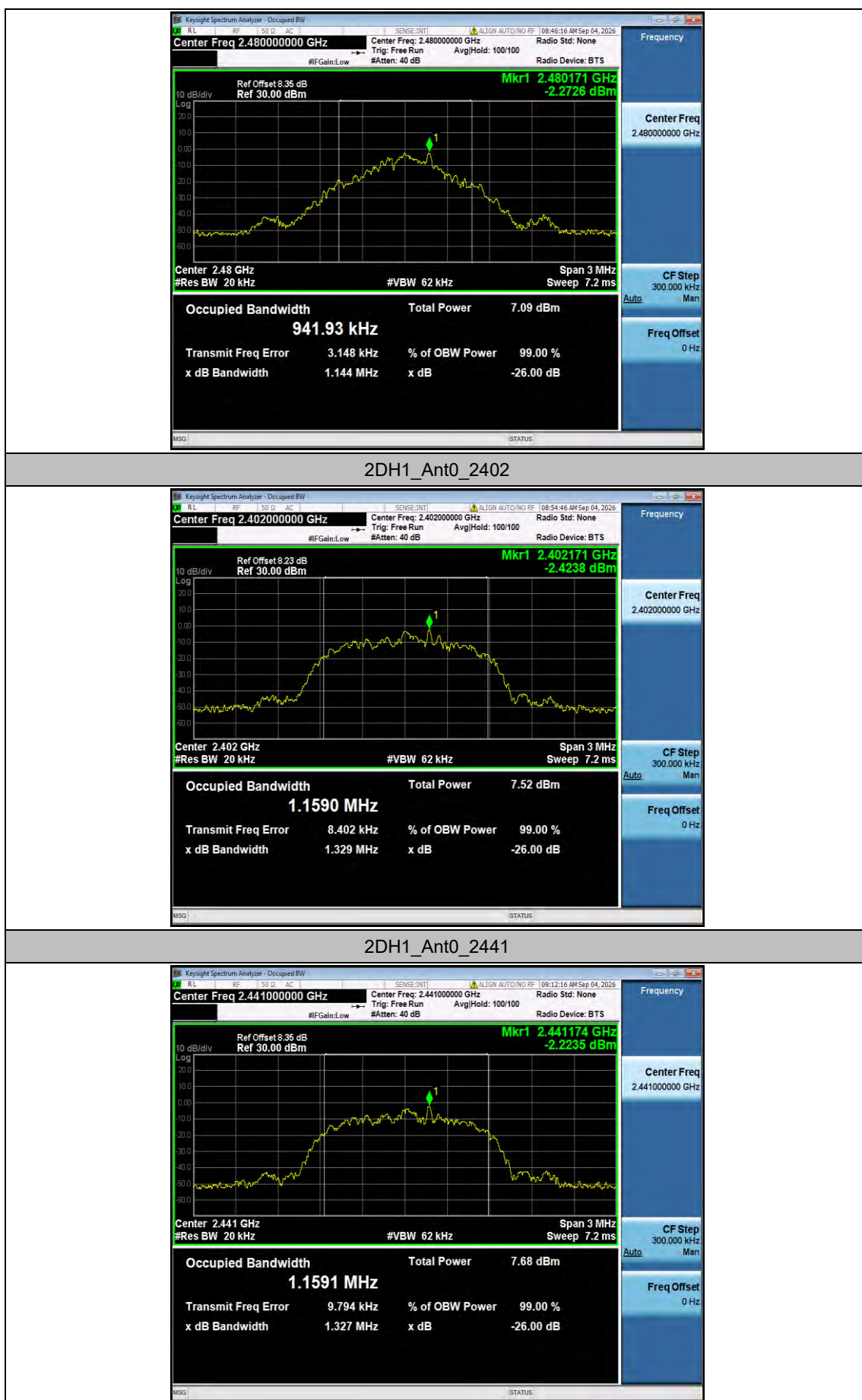
AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant0	2402	0.94494	2401.5306	2402.4755	---	---
		2441	0.93323	2440.5367	2441.4699	---	---
		2480	0.94193	2479.5322	2480.4741	---	---
2DH1	Ant0	2402	1.1590	2401.4289	2402.5879	---	---
		2441	1.1591	2440.4302	2441.5893	---	---
		2480	1.1611	2479.4282	2480.5893	---	---
3DH1	Ant0	2402	1.1338	2401.4413	2402.5751	---	---
		2441	1.1372	2440.4367	2441.5739	---	---
		2480	1.1346	2479.4408	2480.5754	---	---

Test Graphs





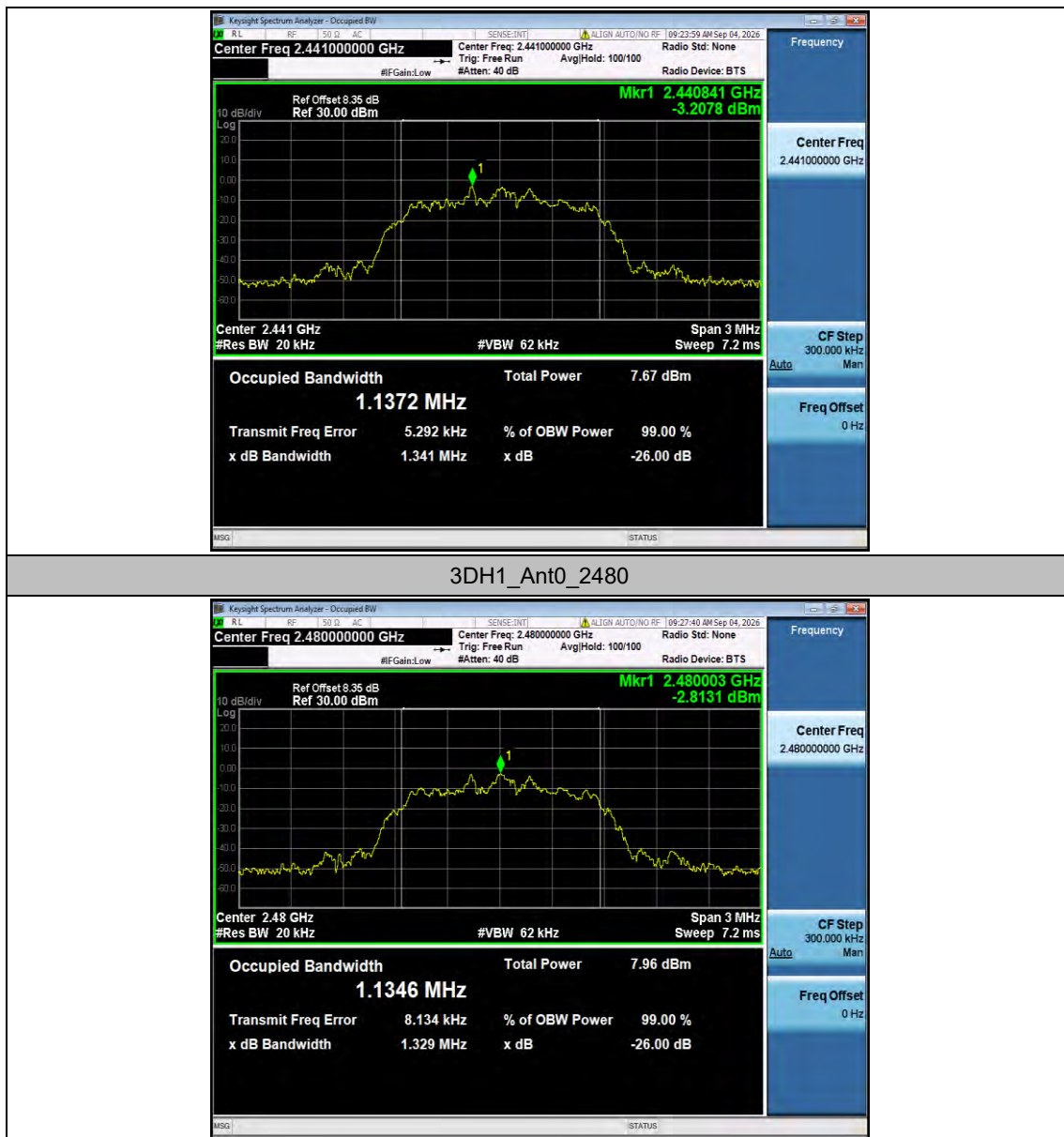
2DH1_Ant0_2480



3DH1_Ant0_2402



3DH1_Ant0_2441



AppendixA.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant0	2402	1.25	≤ 20.97	PASS
		2441	2.08	≤ 20.97	PASS
		2480	2.82	≤ 20.97	PASS
2DH1	Ant0	2402	3.91	≤ 20.97	PASS
		2441	4.27	≤ 20.97	PASS
		2480	4.43	≤ 20.97	PASS
3DH1	Ant0	2402	3.57	≤ 20.97	PASS
		2441	4.37	≤ 20.97	PASS
		2480	4.74	≤ 20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant0	Hop_2402	0.992	≥ 0.704	PASS
		Hop_2441	1.166	≥ 0.704	PASS
		Hop_2480	0.844	≥ 0.704	PASS
2DH1	Ant0	Hop_2402	0.998	≥ 0.850	PASS
		Hop_2441	0.99	≥ 0.850	PASS
		Hop_2480	1.01	≥ 0.850	PASS
3DH1	Ant0	Hop_2402	1.004	≥ 0.848	PASS
		Hop_2441	1.124	≥ 0.848	PASS
		Hop_2480	0.99	≥ 0.848	PASS

Test Graphs

DH1_Ant0_Hop_2402



DH1_Ant0_Hop_2441



DH1_Ant0_Hop_2480



2DH1_Ant0_Hop_2402



2DH1_Ant0_Hop_2441



2DH1_Ant0_Hop_2480



3DH1_Ant0_Hop_2402



3DH1_Ant0_Hop_2441

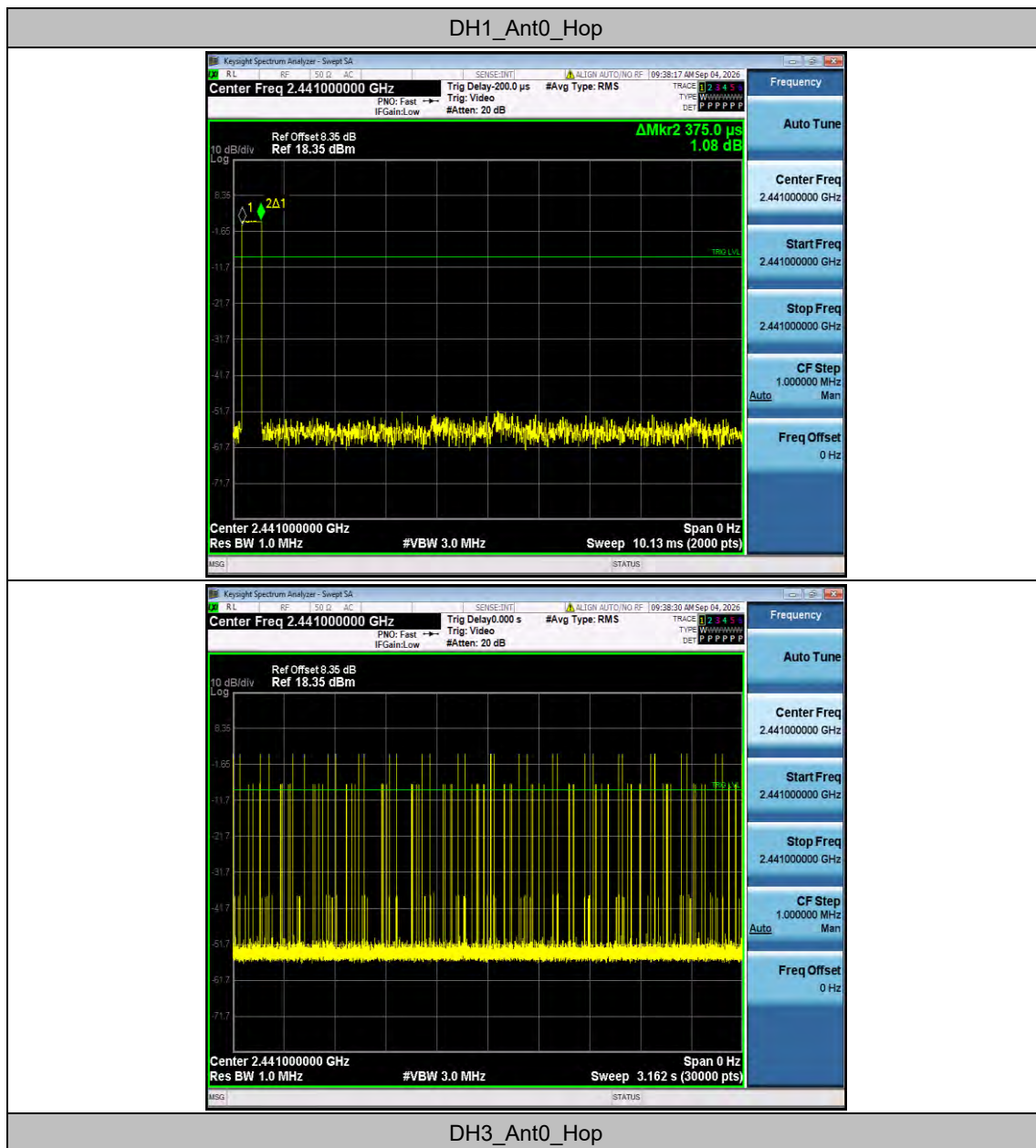


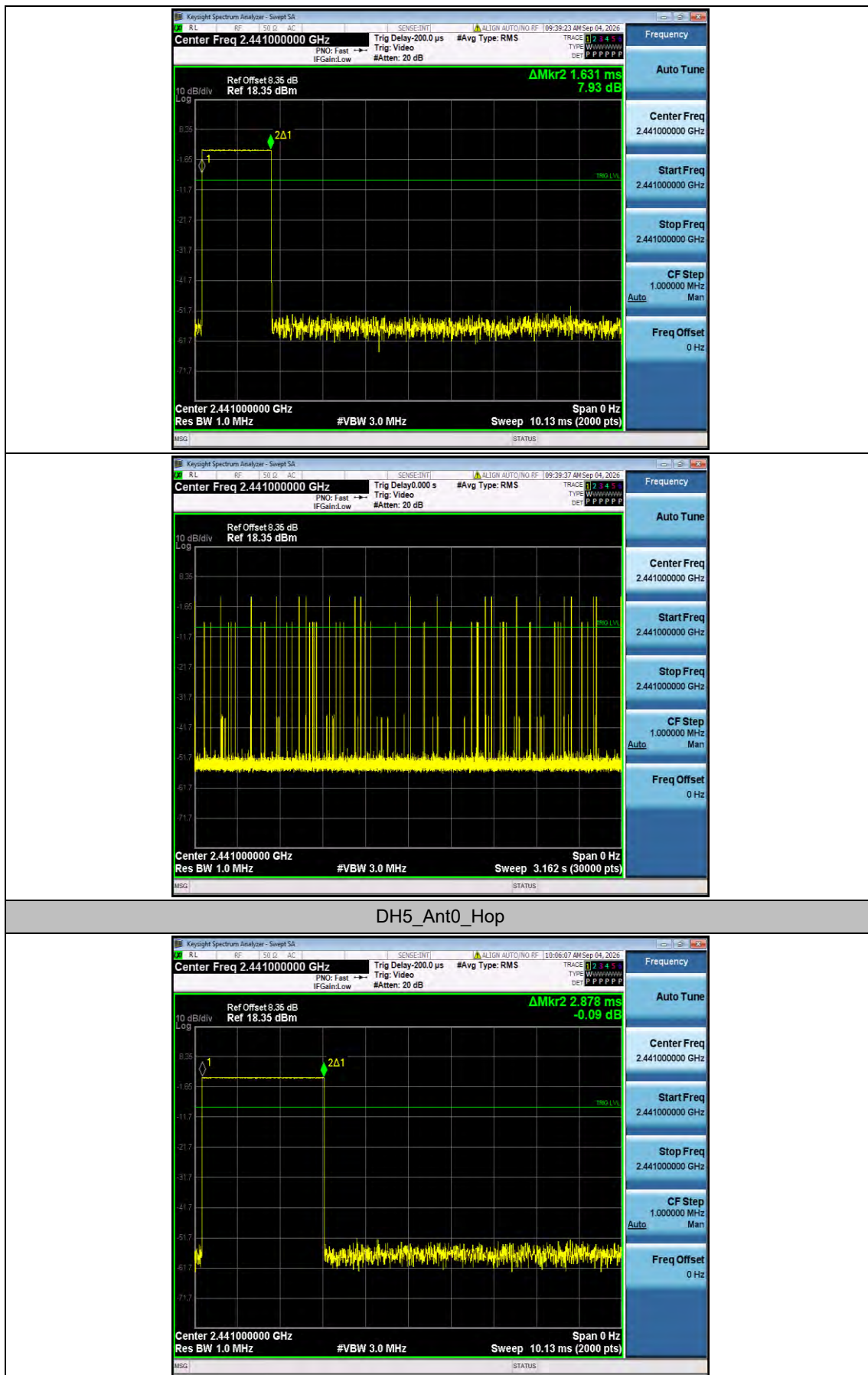
AppendixA.5: Time of occupancy

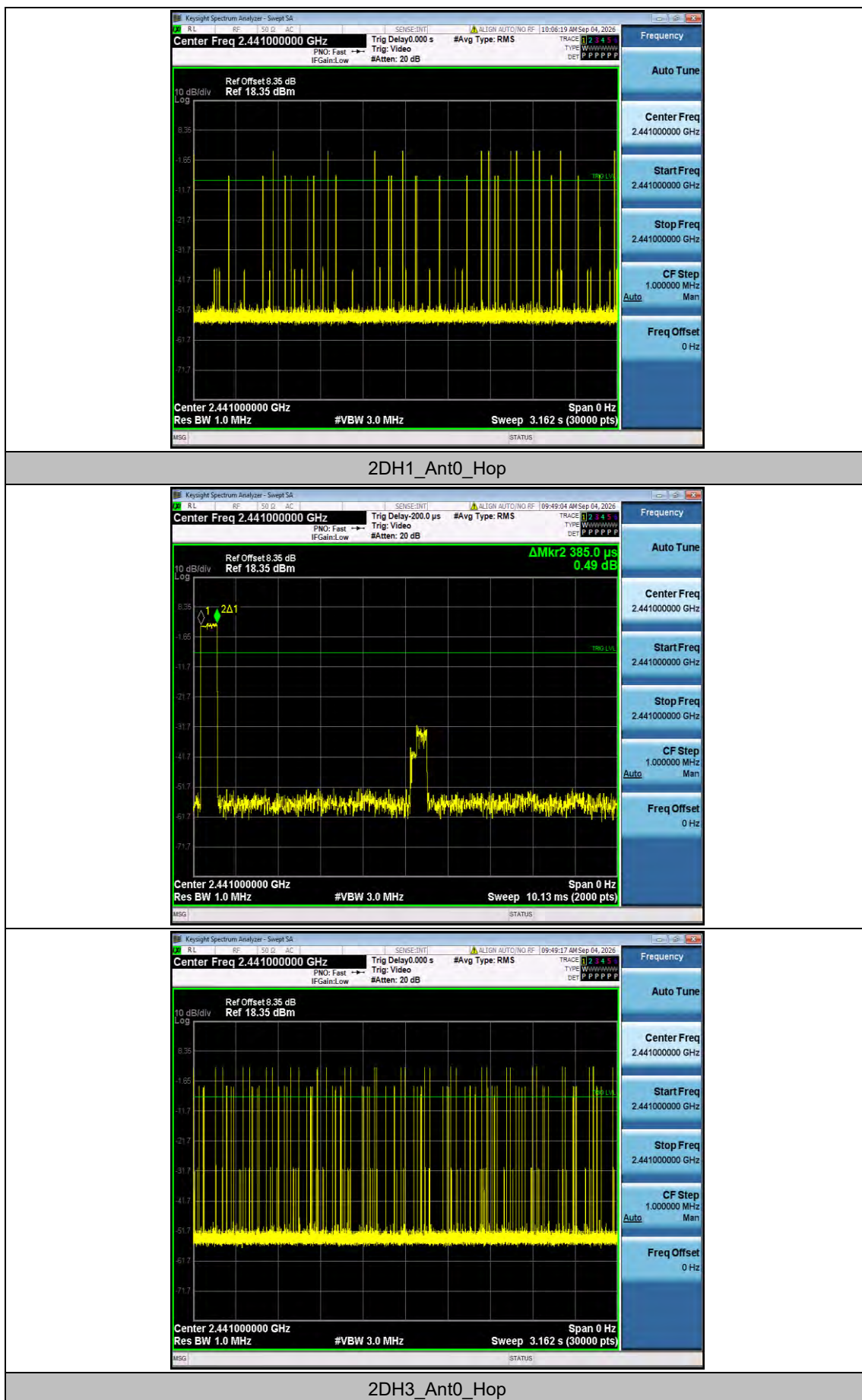
Test Result

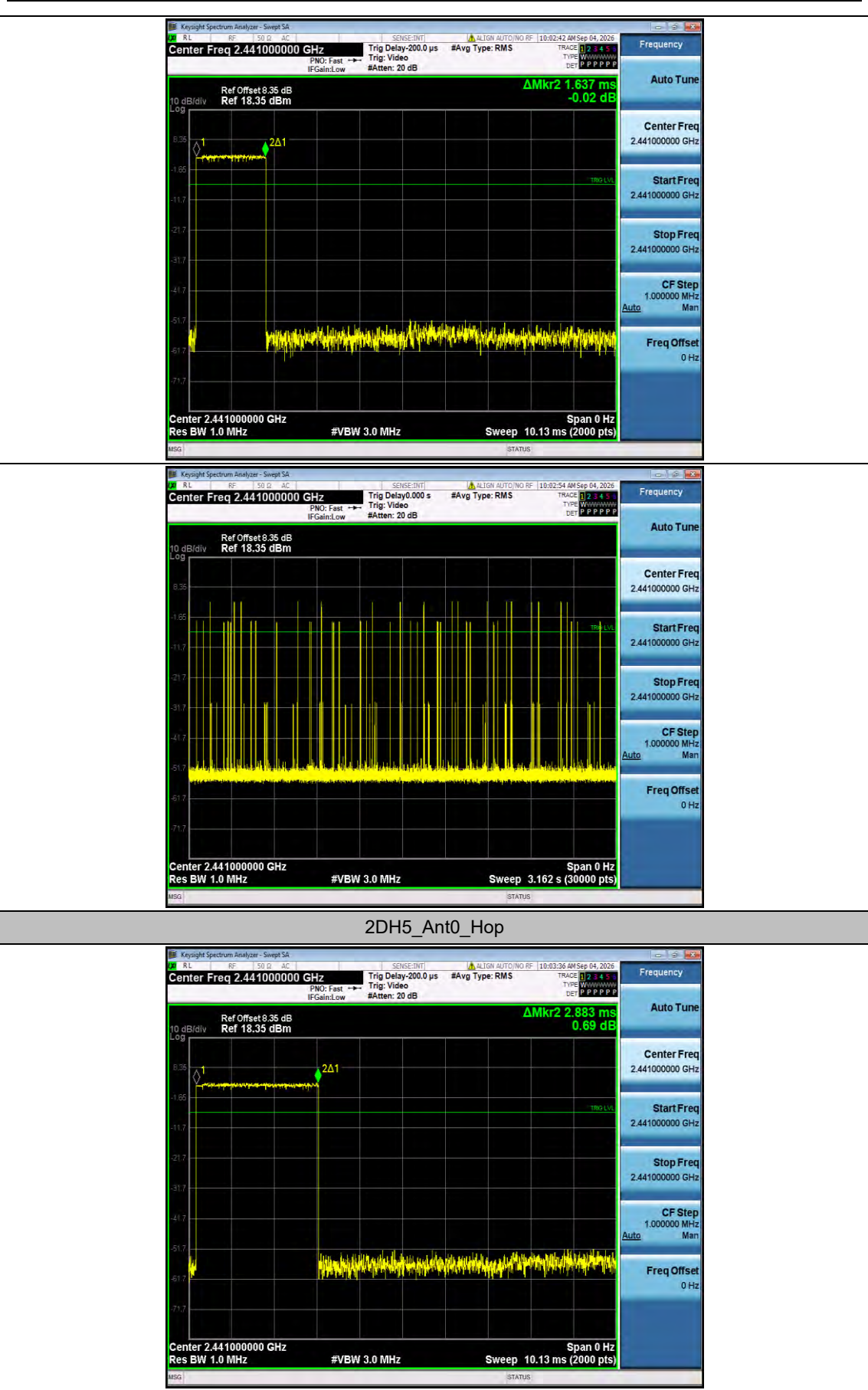
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant0	Hop	0.375	330	0.124	≤0.4	PASS
DH3	Ant0	Hop	1.631	200	0.326	≤0.4	PASS
DH5	Ant0	Hop	2.878	130	0.374	≤0.4	PASS
2DH1	Ant0	Hop	0.385	320	0.123	≤0.4	PASS
2DH3	Ant0	Hop	1.637	180	0.295	≤0.4	PASS
2DH5	Ant0	Hop	2.883	110	0.317	≤0.4	PASS
3DH1	Ant0	Hop	0.380	330	0.125	≤0.4	PASS
3DH3	Ant0	Hop	1.631	180	0.294	≤0.4	PASS
3DH5	Ant0	Hop	2.883	130	0.375	≤0.4	PASS

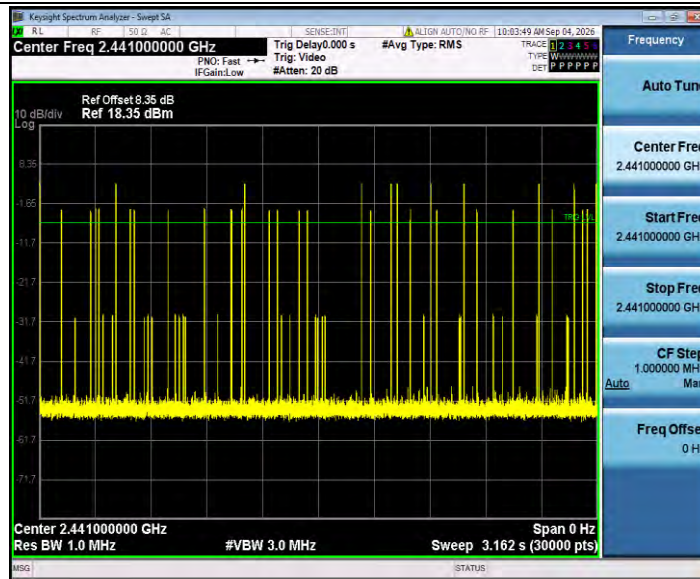
Test Graphs



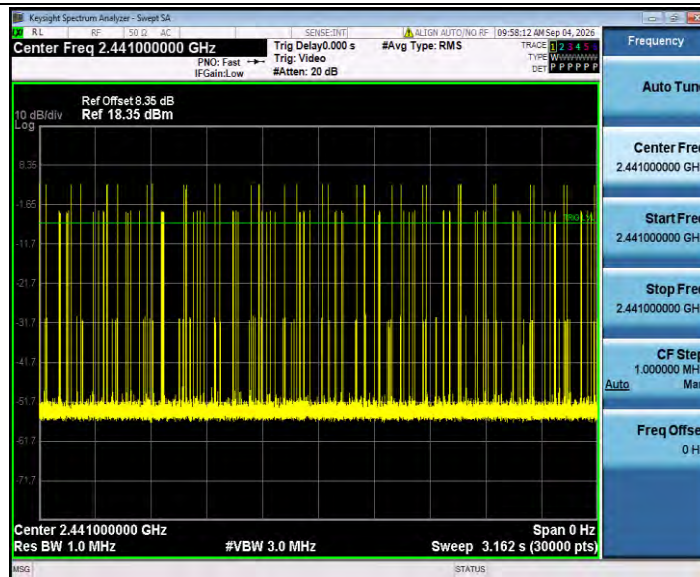
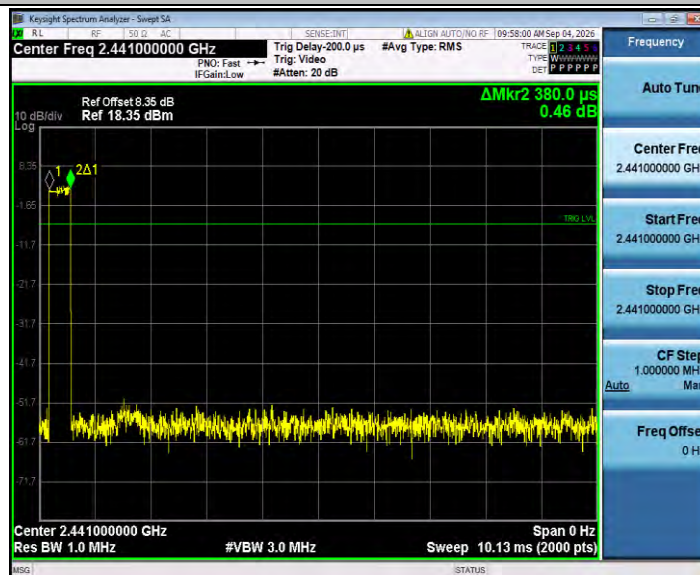




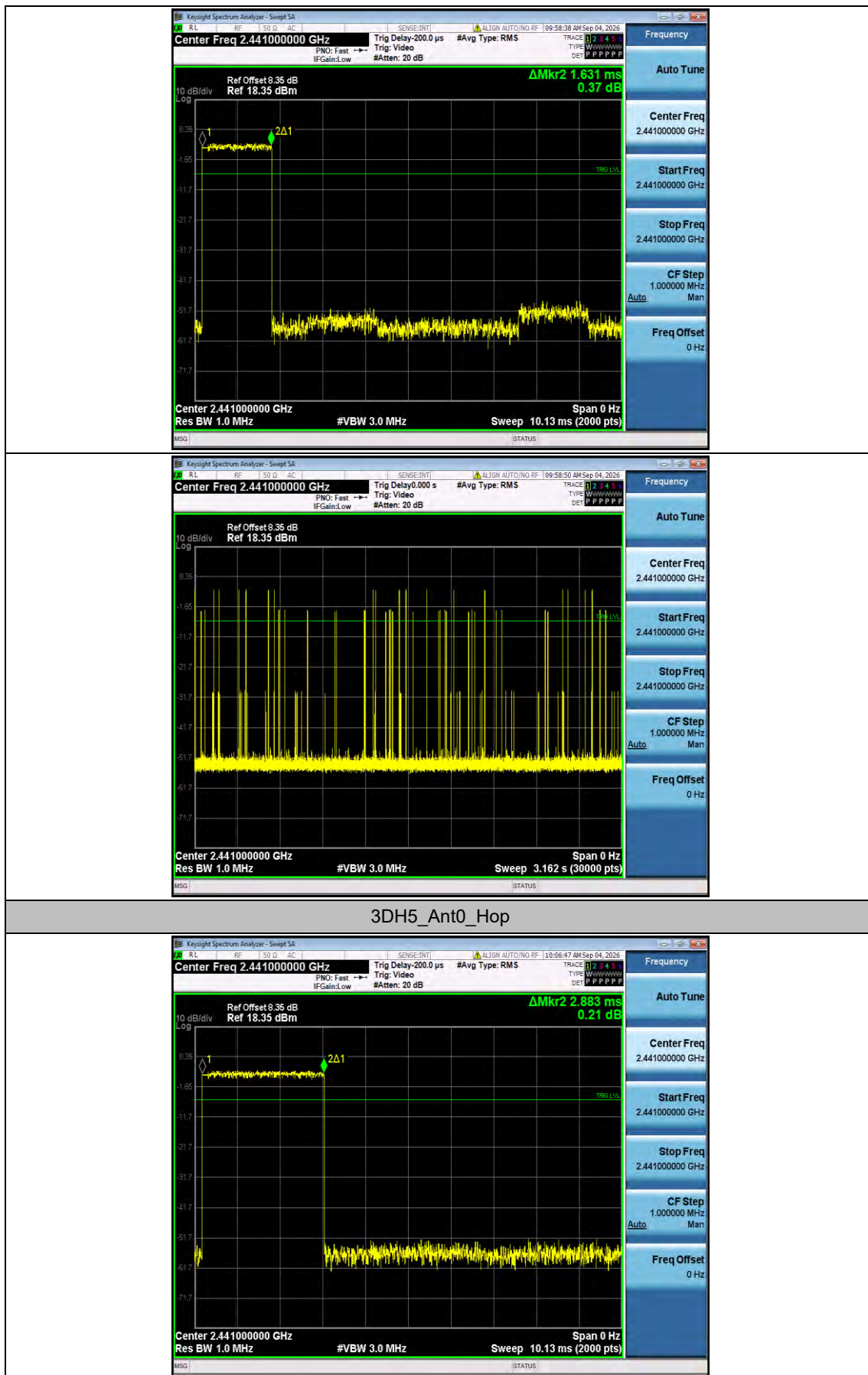




3DH1_Ant0_Hop



3DH3_Ant0_Hop



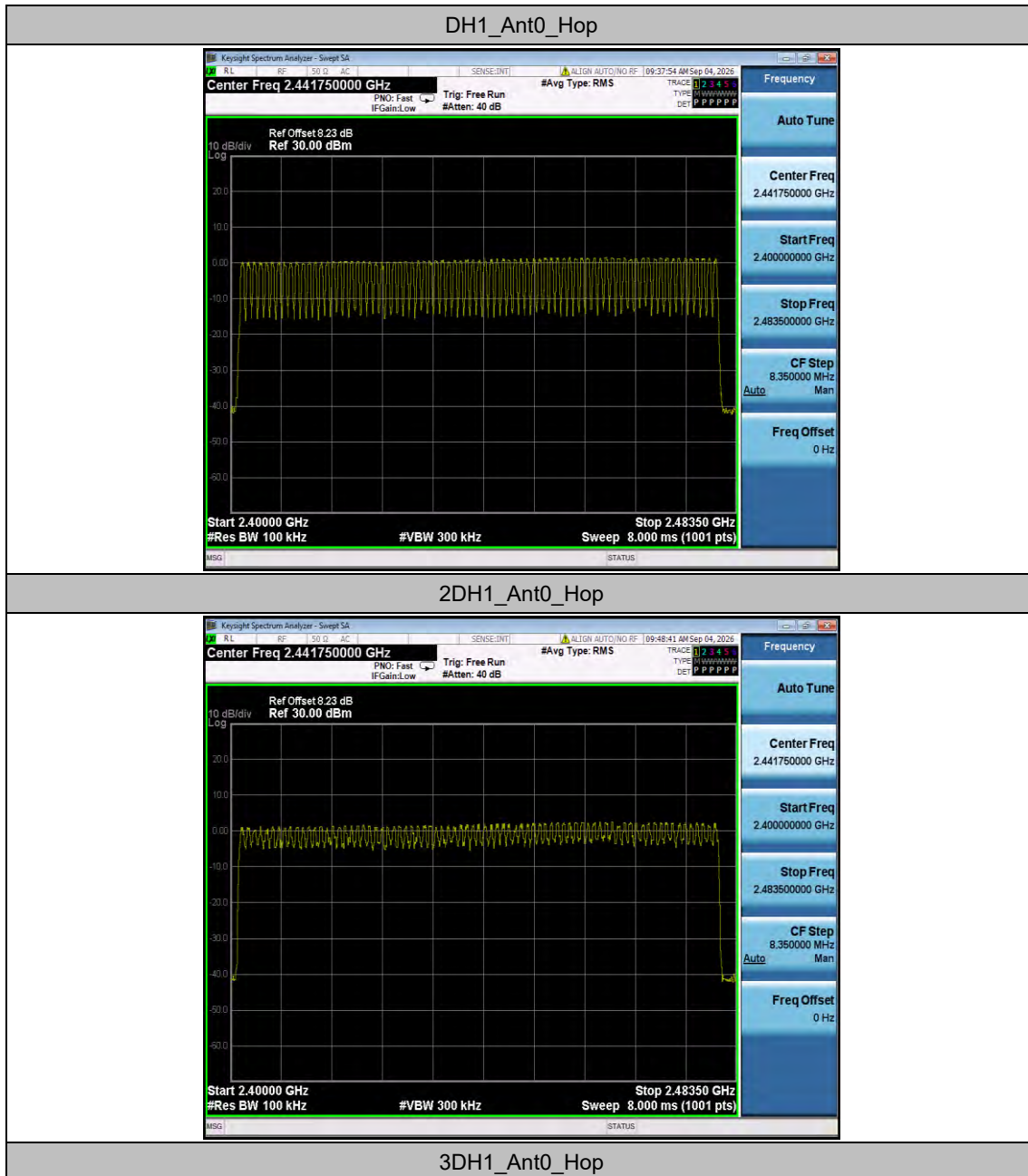


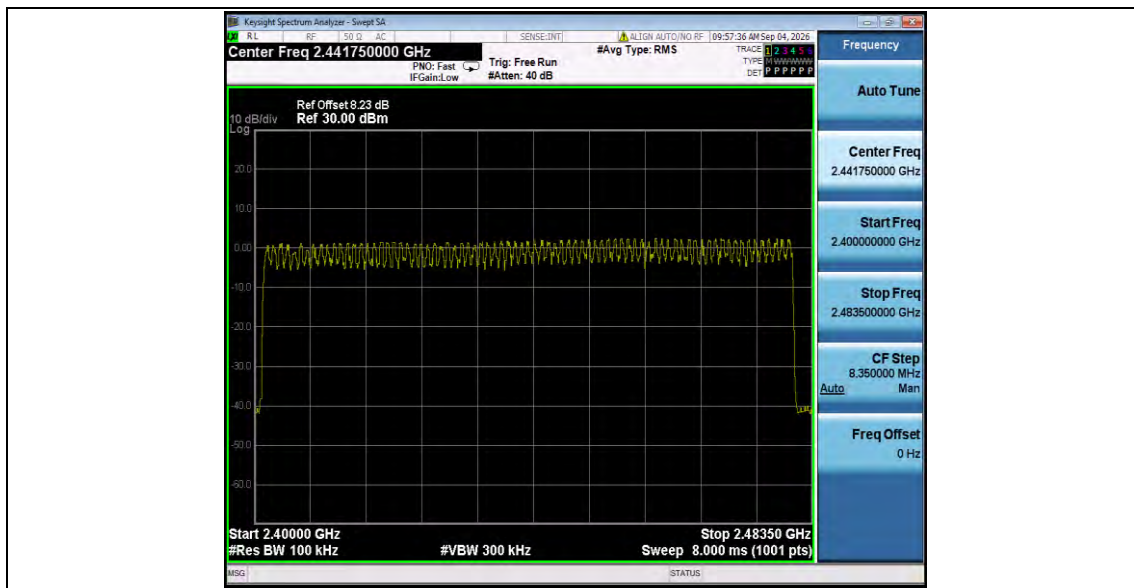
AppendixA.6: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH1	Ant0	Hop	79	≥15	PASS
2DH1	Ant0	Hop	79	≥15	PASS
3DH1	Ant0	Hop	79	≥15	PASS

Test Graphs





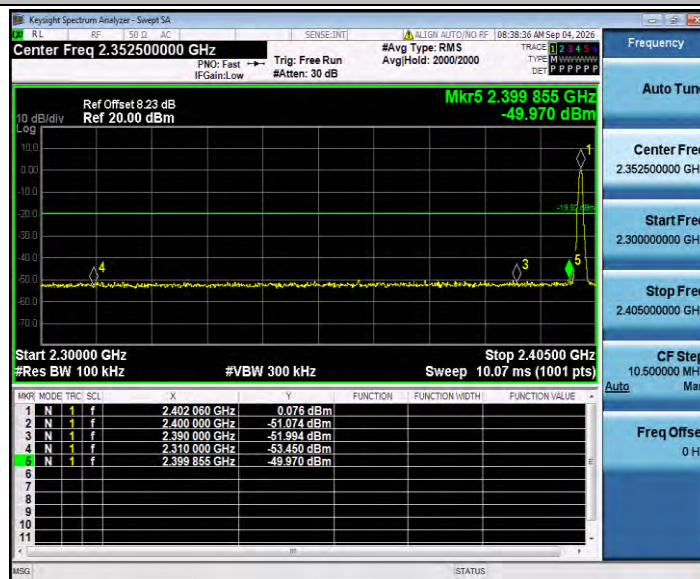
Appendix A.7: Band edge measurements

Test Result

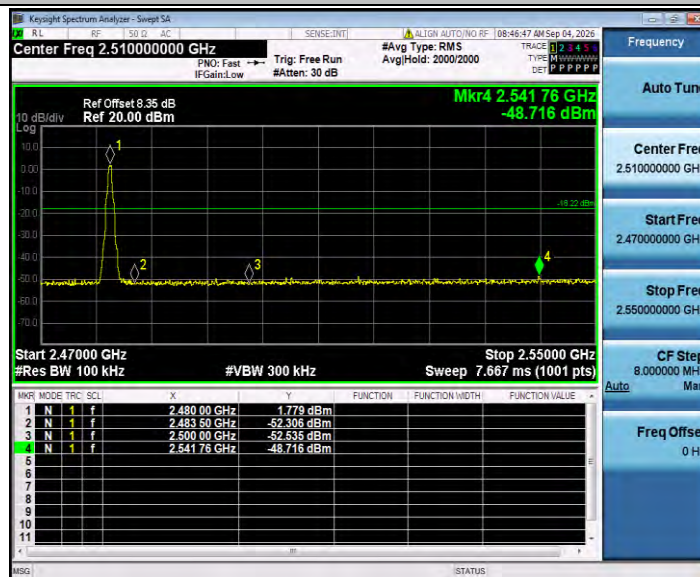
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant0	Low	2402	0.08	-49.97	≤ -19.92	PASS
		High	2480	1.78	-48.72	≤ -18.22	PASS
		Low	Hop_2402	-0.12	-49.9	≤ -20.12	PASS
		High	Hop_2480	1.72	-48.97	≤ -18.28	PASS
2DH1	Ant0	Low	2402	1.50	-49.92	≤ -18.5	PASS
		High	2480	2.17	-49.13	≤ -17.83	PASS
		Low	Hop_2402	1.05	-50.4	≤ -18.95	PASS
		High	Hop_2480	2.65	-49.4	≤ -17.35	PASS
3DH1	Ant0	Low	2402	1.03	-50.17	≤ -18.97	PASS
		High	2480	2.23	-48.9	≤ -17.77	PASS
		Low	Hop_2402	1.22	-49.58	≤ -18.78	PASS
		High	Hop_2480	2.51	-49.05	≤ -17.49	PASS

Test Graphs

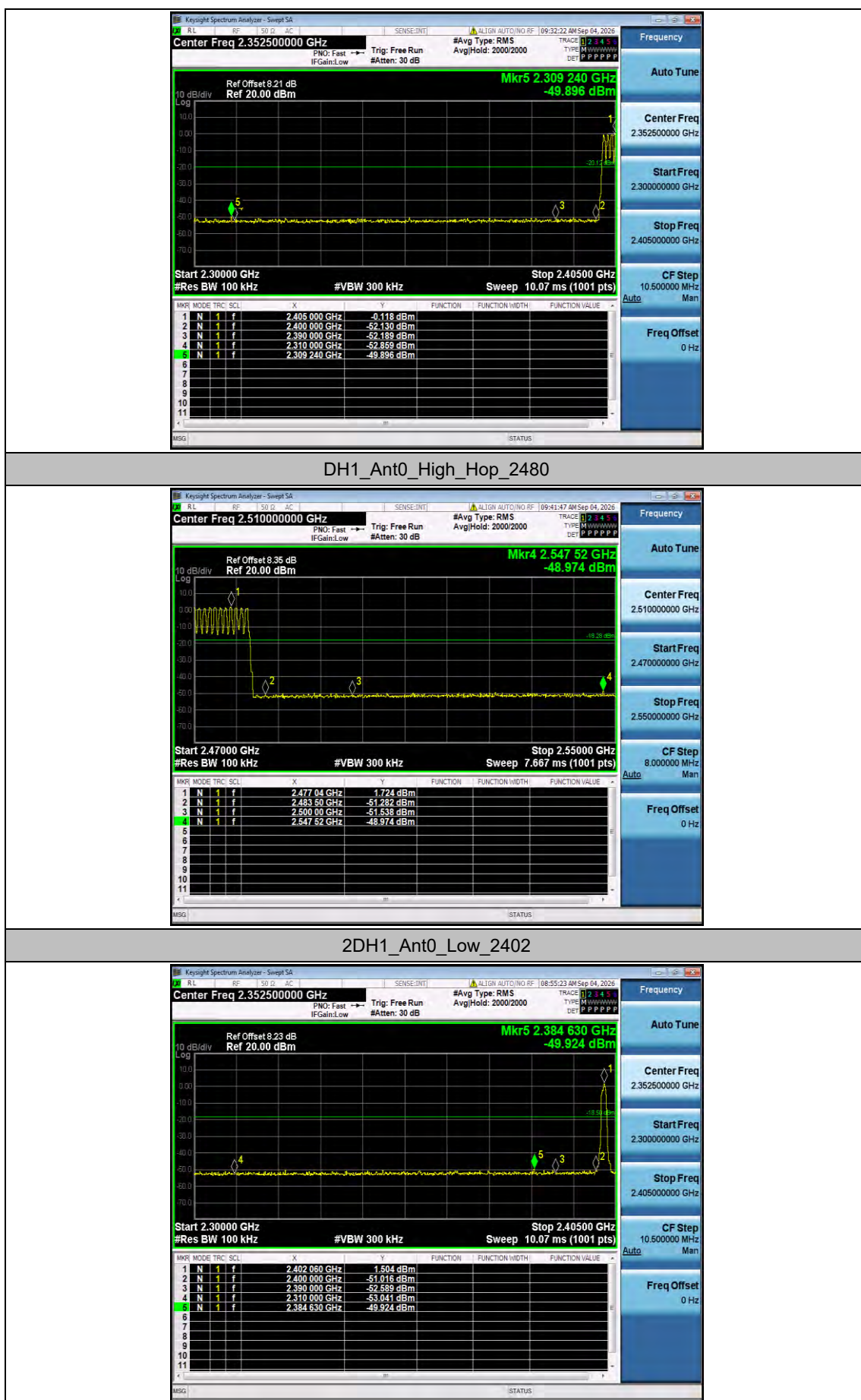
DH1_Ant0_Low_2402



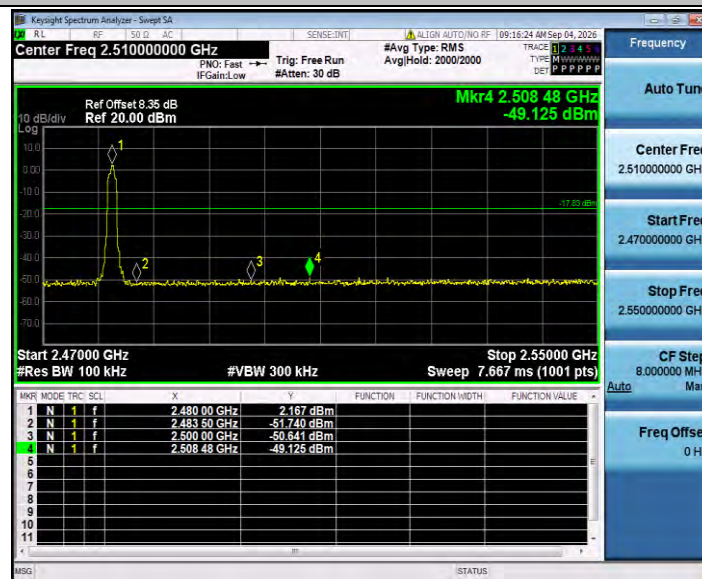
DH1_Ant0_High_2480



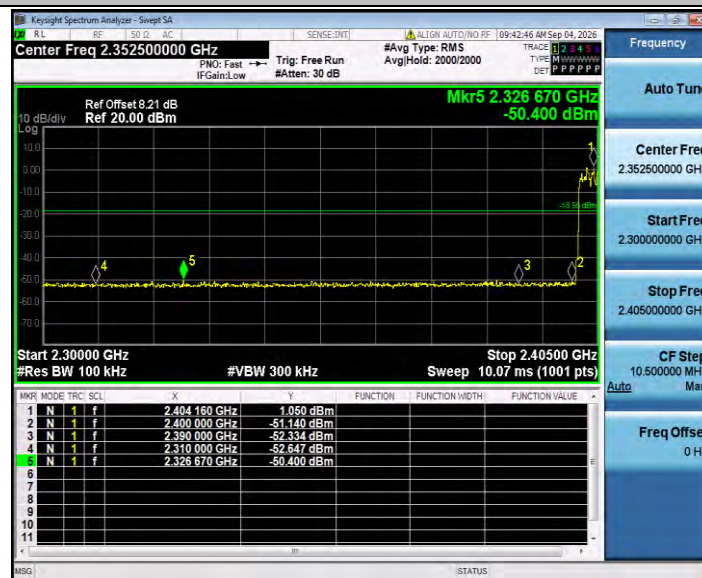
DH1_Ant0_Low_Hop_2402



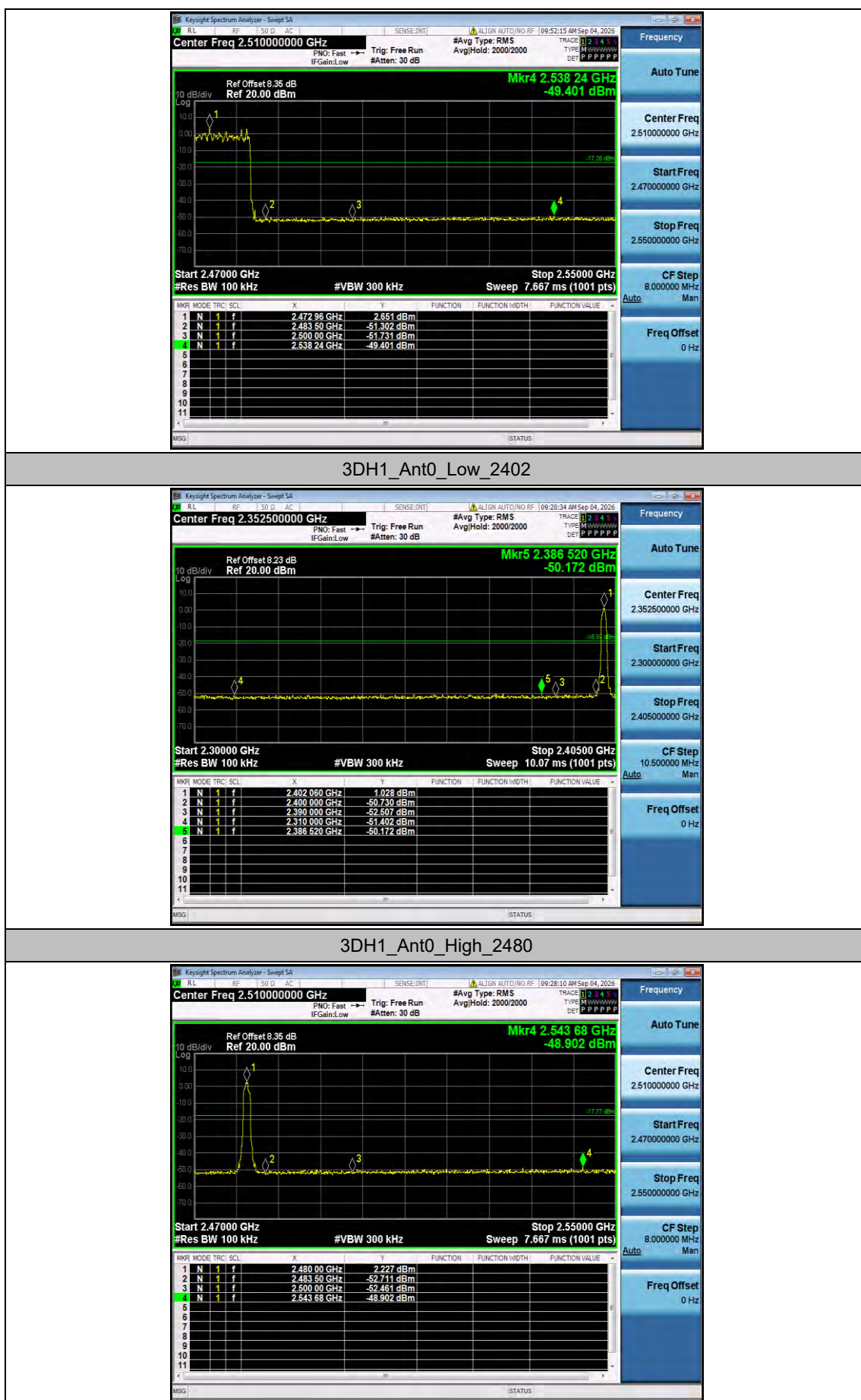
2DH1_Ant0_High_2480



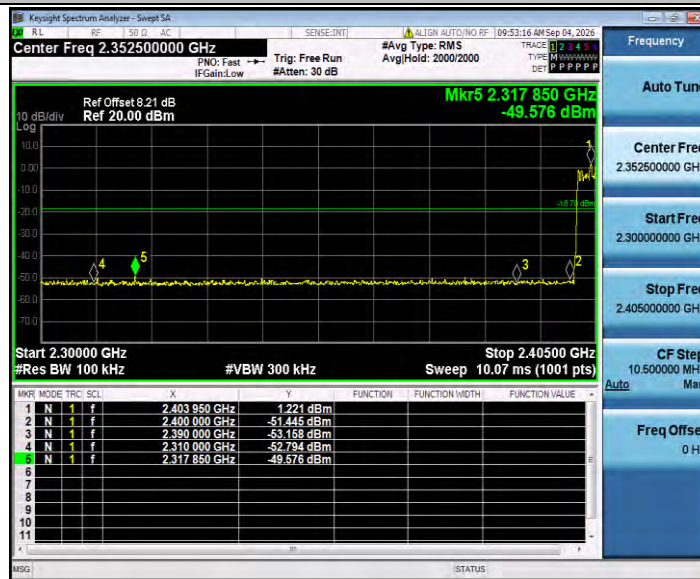
2DH1_Ant0_Low_Hop_2402



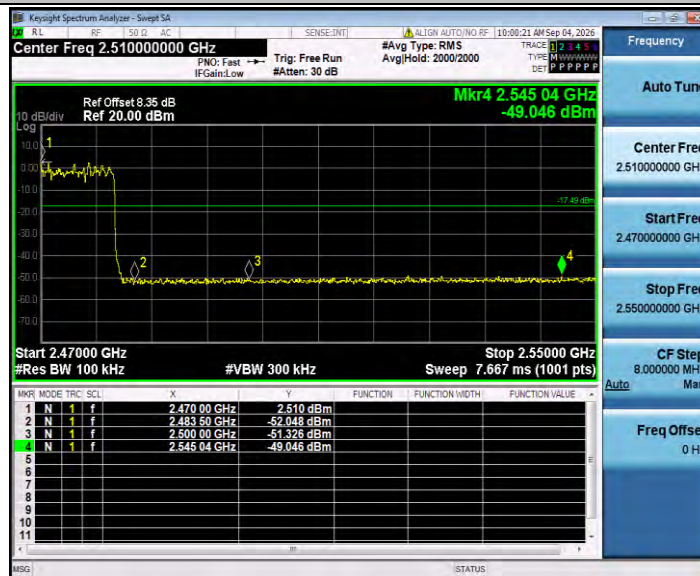
2DH1_Ant0_High_Hop_2480



3DH1_Ant0_Low_Hop_2402



3DH1_Ant0_High_Hop_2480

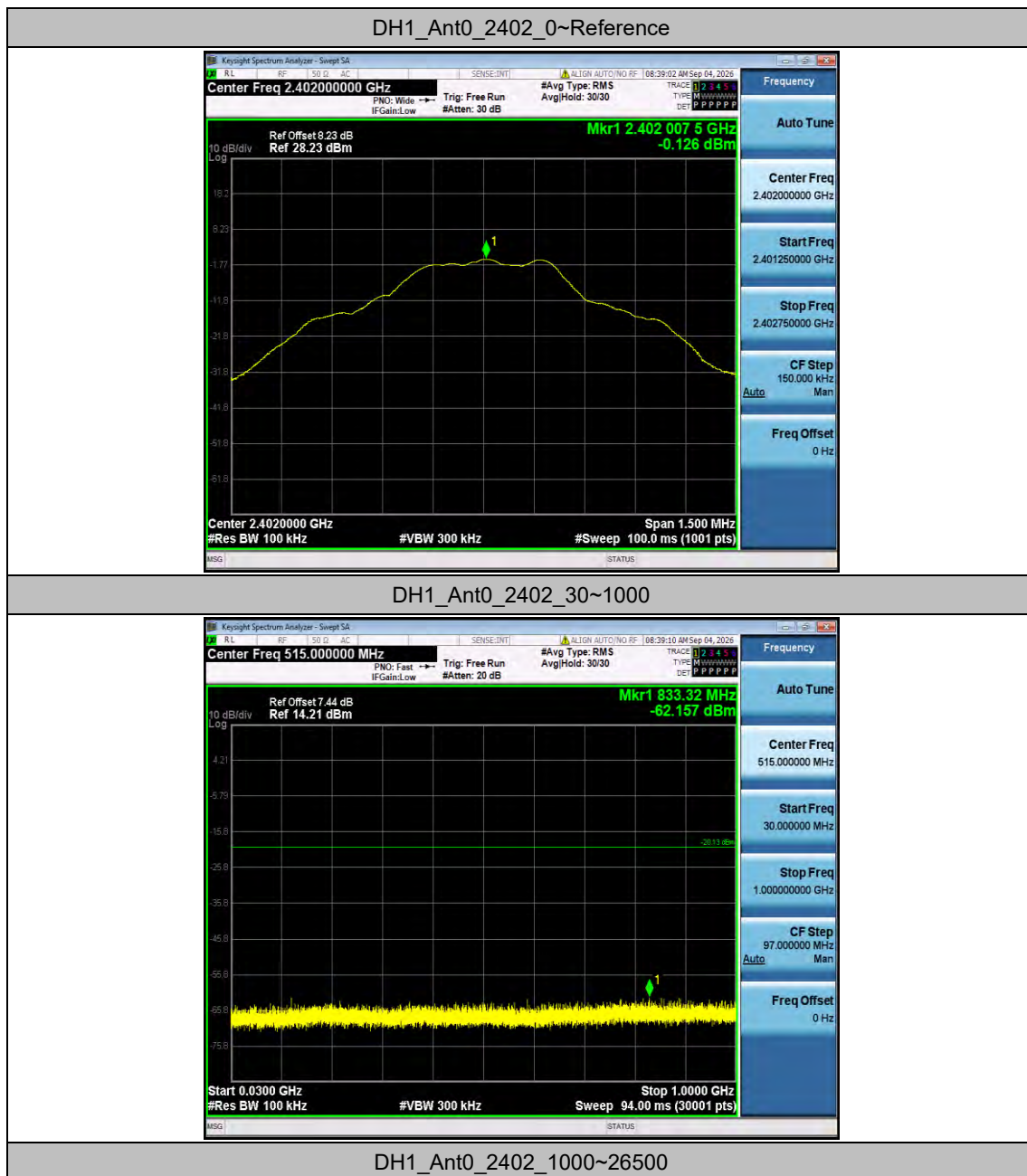


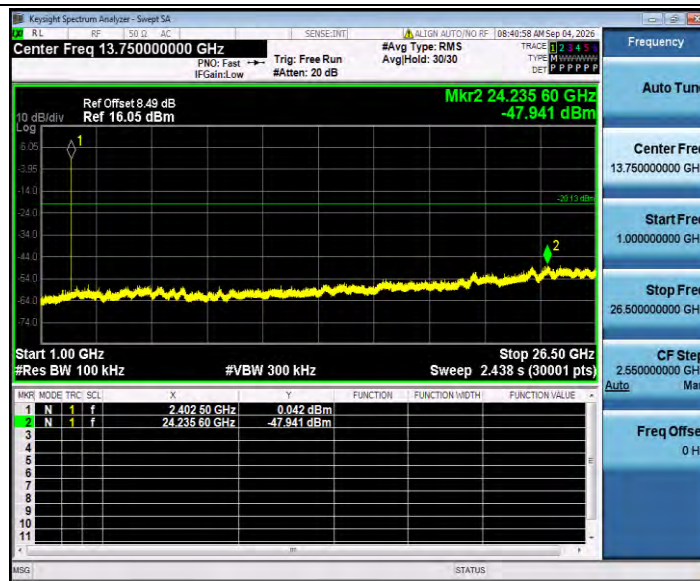
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant0	2402	Reference	-0.13	-0.13	---	PASS
			30~1000	-0.13	-62.16	≤-20.13	PASS
			1000~26500	-0.13	-47.94	≤-20.13	PASS
		2441	Reference	0.76	0.76	---	PASS
			30~1000	0.76	-62.22	≤-19.24	PASS
			1000~26500	0.76	-47.68	≤-19.24	PASS
		2480	Reference	1.58	1.58	---	PASS
			30~1000	1.58	-62.03	≤-18.42	PASS
			1000~26500	1.58	-48.21	≤-18.42	PASS
2DH1	Ant0	2402	Reference	1.29	1.29	---	PASS
			30~1000	1.29	-61.83	≤-18.71	PASS
			1000~26500	1.29	-47.71	≤-18.71	PASS
		2441	Reference	1.65	1.65	---	PASS
			30~1000	1.65	-61.78	≤-18.35	PASS
			1000~26500	1.65	-47.33	≤-18.35	PASS
		2480	Reference	1.95	1.95	---	PASS
			30~1000	1.95	-61.79	≤-18.05	PASS
			1000~26500	1.95	-48.05	≤-18.05	PASS
3DH1	Ant0	2402	Reference	0.81	0.81	---	PASS
			30~1000	0.81	-61.88	≤-19.19	PASS
			1000~26500	0.81	-47.98	≤-19.19	PASS
		2441	Reference	1.64	1.64	---	PASS
			30~1000	1.64	-61.81	≤-18.36	PASS
			1000~26500	1.64	-48.27	≤-18.36	PASS
		2480	Reference	1.99	1.99	---	PASS
			30~1000	1.99	-62.11	≤-18.01	PASS
			1000~26500	1.99	-47.64	≤-18.01	PASS

Test Graphs

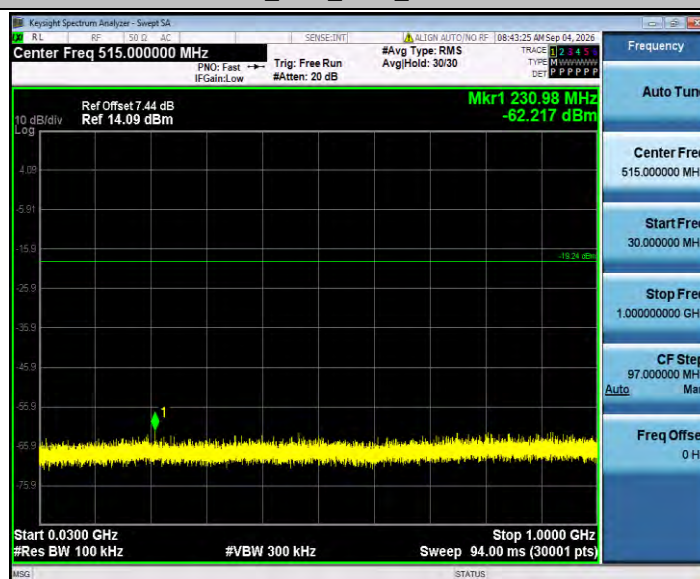




DH1_Ant0_2441_0~Reference



DH1_Ant0_2441_30~1000



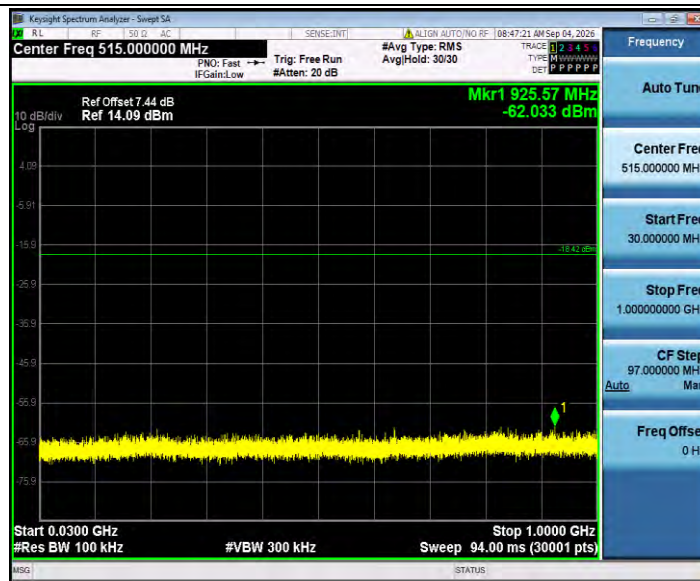
DH1_Ant0_2441_1000~26500



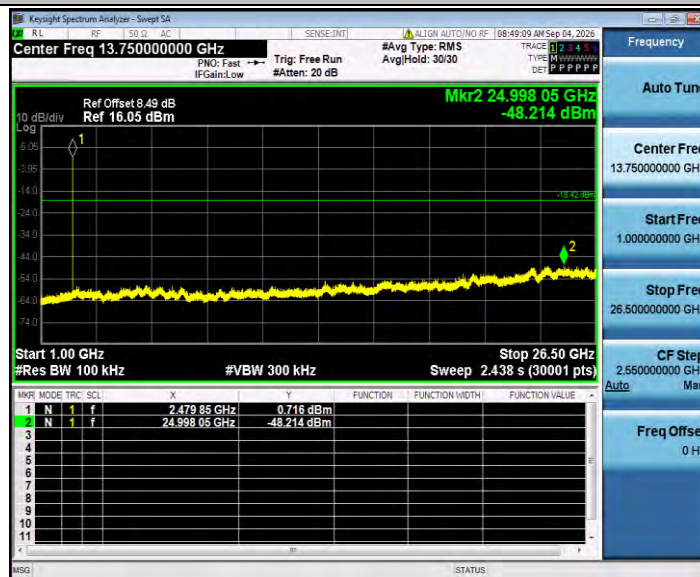
DH1_Ant0_2480_0~Reference



DH1_Ant0_2480_30~1000

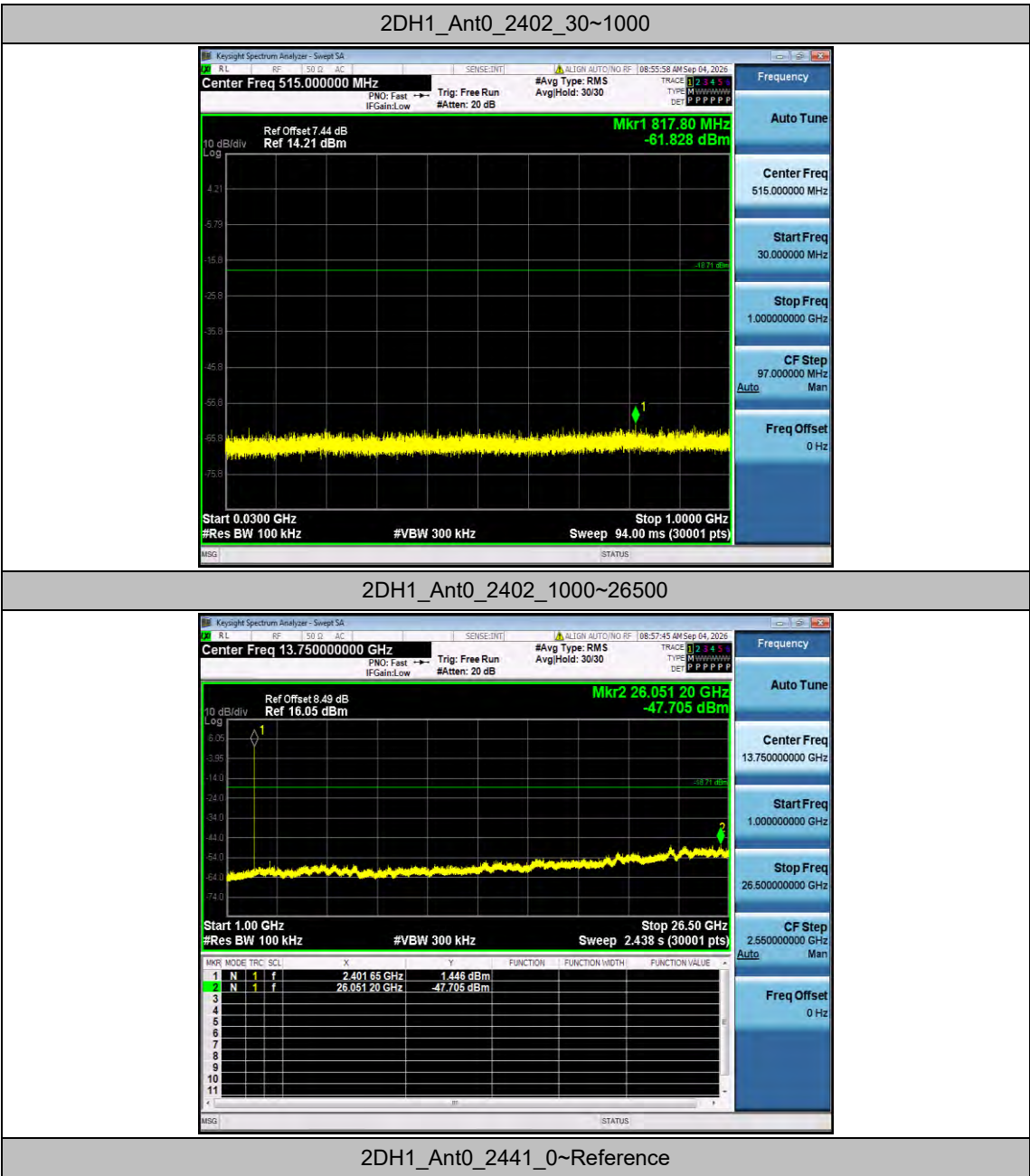


DH1_Ant0_2480_1000~26500



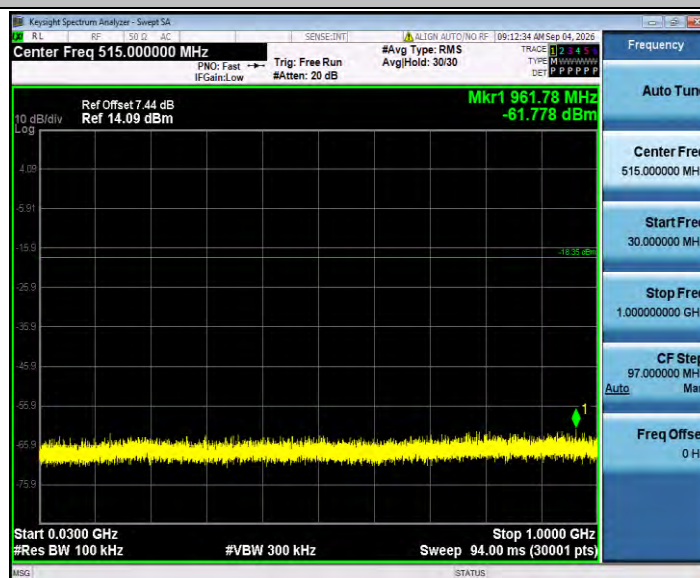
2DH1_Ant0_2402_0~Reference







2DH1_Ant0_2441_30~1000



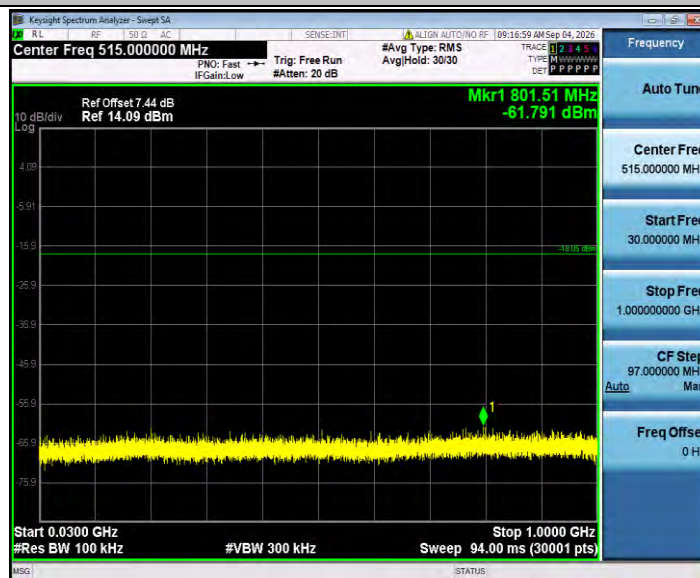
2DH1_Ant0_2441_1000~26500



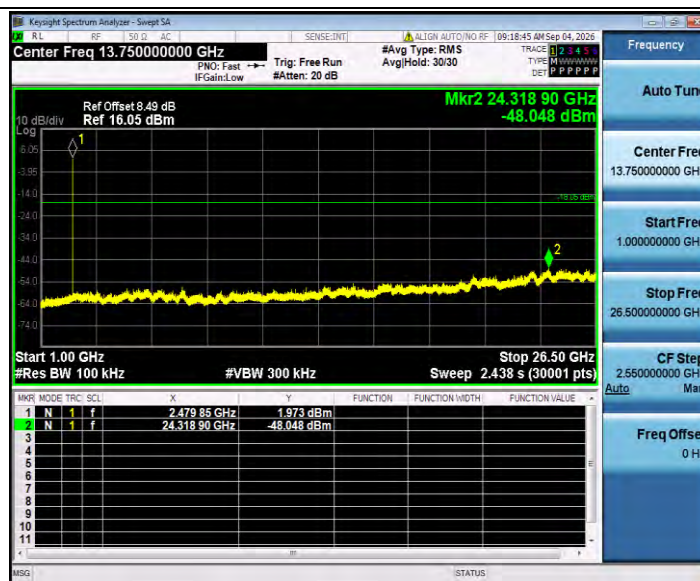
2DH1_Ant0_2480_0~Reference



2DH1_Ant0_2480_30~1000



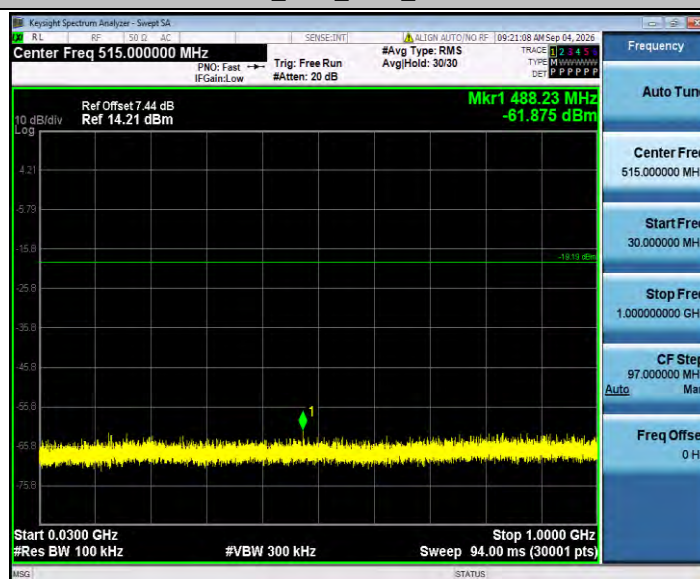
2DH1_Ant0_2480_1000~26500



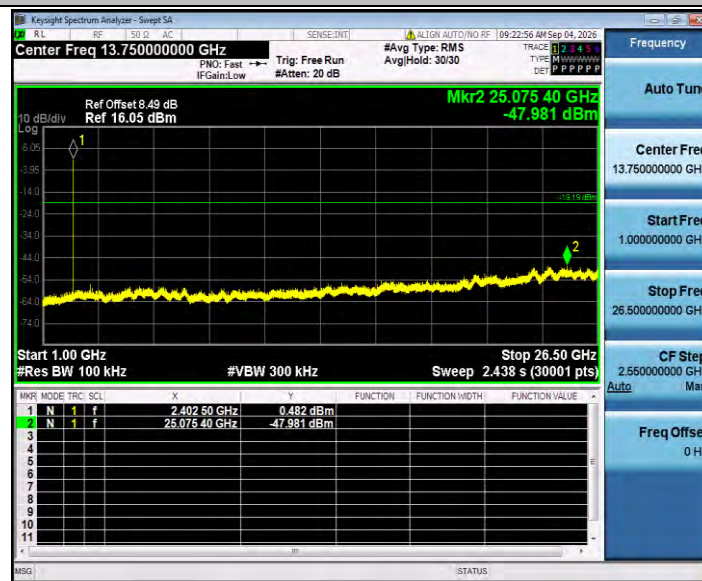
3DH1_Ant0_2402_0~Reference



3DH1_Ant0_2402_30~1000



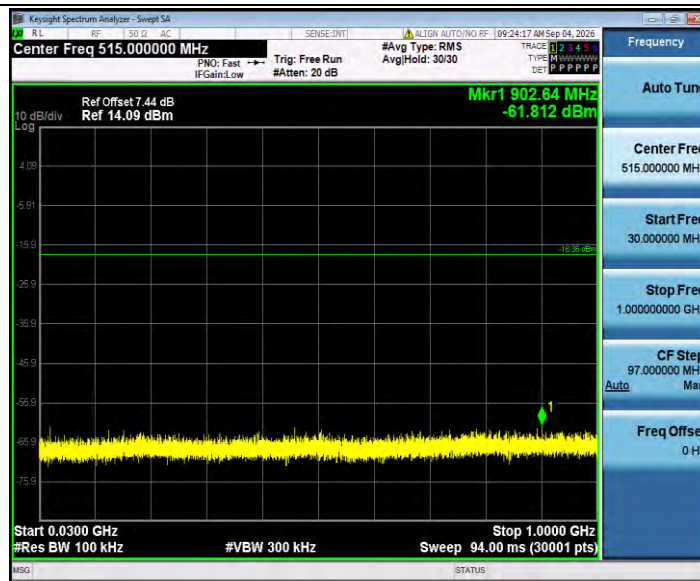
3DH1_Ant0_2402_1000~26500



3DH1_Ant0_2441_0~Reference



3DH1_Ant0_2441_30~1000

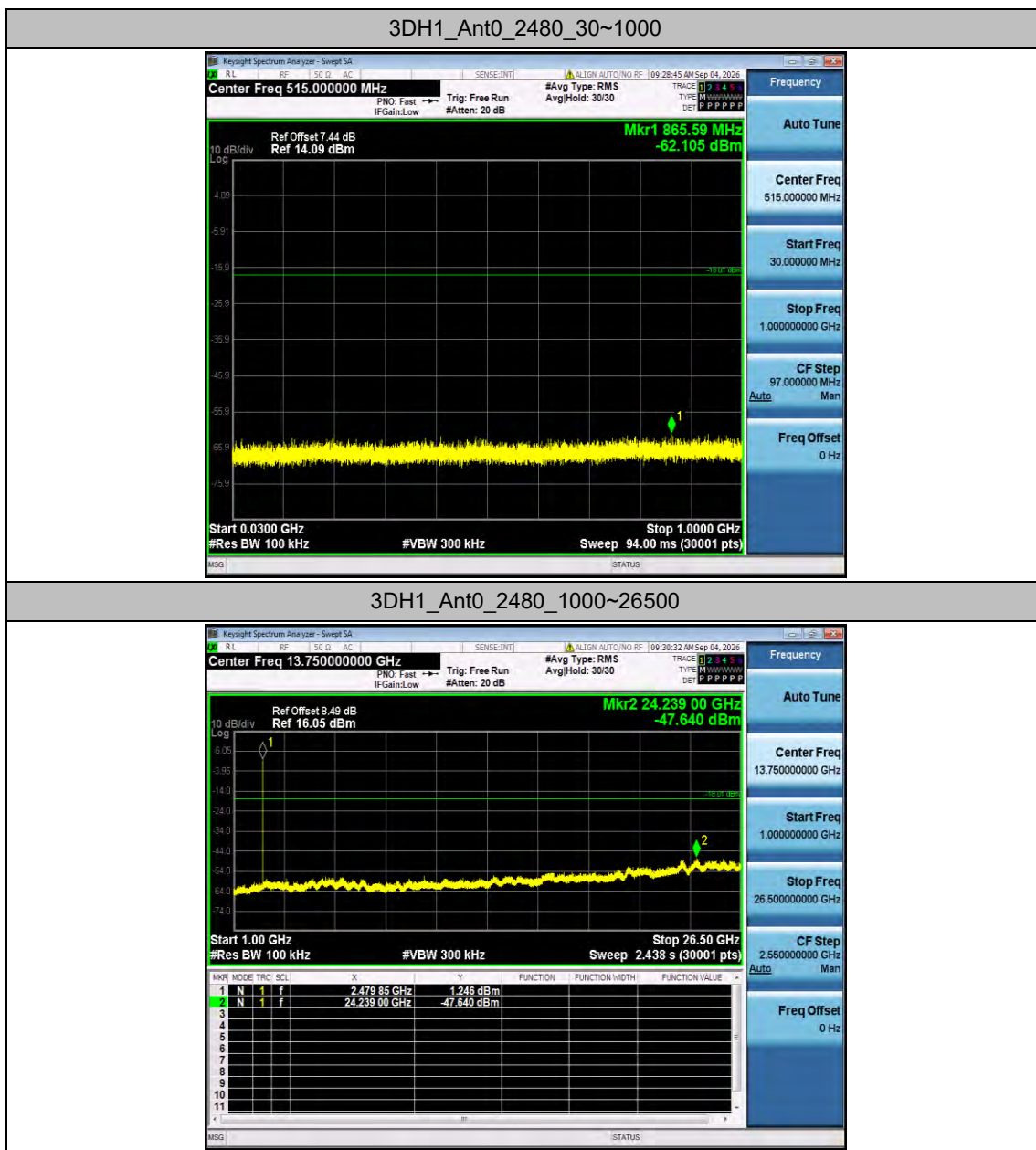


3DH1_Ant0_2441_1000~26500



3DH1_Ant0_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

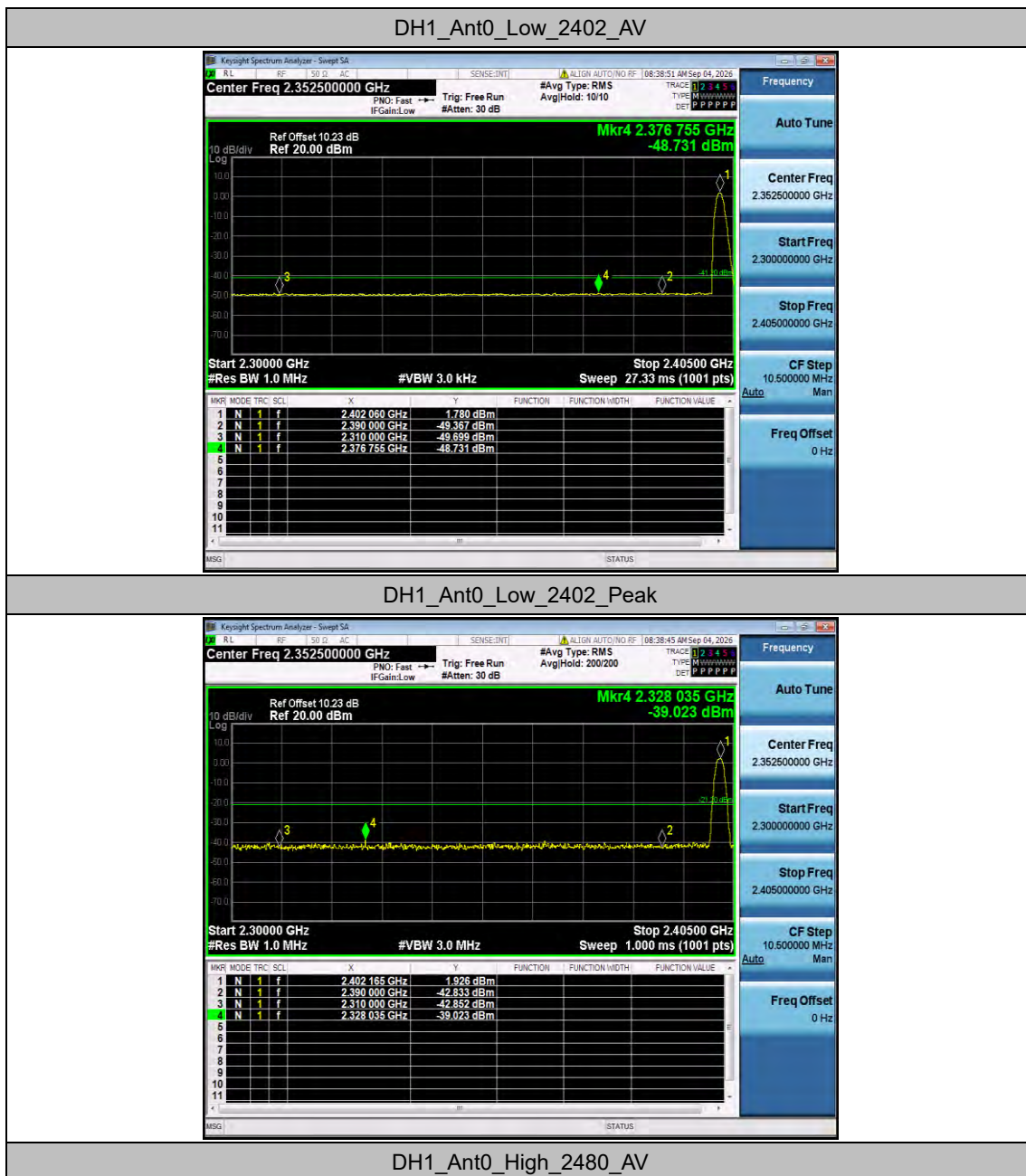
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant0	Low	2402	AV	2310.000	-49.7	≤-41.20	45.50	≤54	PASS
				AV	2376.755	-48.73	≤-41.20	46.47	≤54	PASS
				AV	2390.000	-49.37	≤-41.20	45.83	≤54	PASS
				Peak	2310.000	-42.85	≤-21.20	52.35	≤74	PASS
				Peak	2328.035	-39.02	≤-21.20	56.18	≤74	PASS
				Peak	2390.000	-42.83	≤-21.20	52.37	≤74	PASS
		High	2480	AV	2483.500	-48.05	≤-41.20	47.15	≤54	PASS
				AV	2483.520	-48.05	≤-41.20	47.15	≤54	PASS
				AV	2500.000	-48.71	≤-41.20	46.49	≤54	PASS
				Peak	2483.500	-42.94	≤-21.20	52.26	≤74	PASS
				Peak	2487.040	-38.74	≤-21.20	56.46	≤74	PASS
				Peak	2500.000	-41.44	≤-21.20	53.76	≤74	PASS
2DH1	Ant0	Low	2402	AV	2310.000	-49.6	≤-41.20	45.60	≤54	PASS
				AV	2385.680	-48.76	≤-41.20	46.44	≤54	PASS
				AV	2390.000	-49.22	≤-41.20	45.98	≤54	PASS
				Peak	2310.000	-42.15	≤-21.20	53.05	≤74	PASS
				Peak	2370.140	-38.99	≤-21.20	56.21	≤74	PASS
				Peak	2390.000	-42.16	≤-21.20	53.04	≤74	PASS
		High	2480	AV	2483.500	-47.67	≤-41.20	47.53	≤54	PASS
				AV	2483.520	-47.67	≤-41.20	47.53	≤54	PASS
				AV	2500.000	-48.74	≤-41.20	46.46	≤54	PASS
				Peak	2483.500	-39.78	≤-21.20	55.42	≤74	PASS
				Peak	2498.080	-38.72	≤-21.20	56.48	≤74	PASS
				Peak	2500.000	-40.39	≤-21.20	54.81	≤74	PASS
3DH1	Ant0	Low	2402	AV	2310.000	-49.64	≤-41.20	45.56	≤54	PASS
				AV	2378.855	-48.86	≤-41.20	46.34	≤54	PASS
				AV	2390.000	-48.99	≤-41.20	46.21	≤54	PASS
				Peak	2310.000	-41.84	≤-21.20	53.36	≤74	PASS
				Peak	2381.900	-39.24	≤-21.20	55.96	≤74	PASS
				Peak	2390.000	-40.95	≤-21.20	54.25	≤74	PASS
		High	2480	AV	2483.500	-47.81	≤-41.20	47.39	≤54	PASS
				AV	2483.520	-47.81	≤-41.20	47.39	≤54	PASS
				AV	2500.000	-48.57	≤-41.20	46.63	≤54	PASS
				Peak	2483.500	-42.05	≤-21.20	53.15	≤74	PASS
				Peak	2491.280	-39.02	≤-21.20	56.18	≤74	PASS

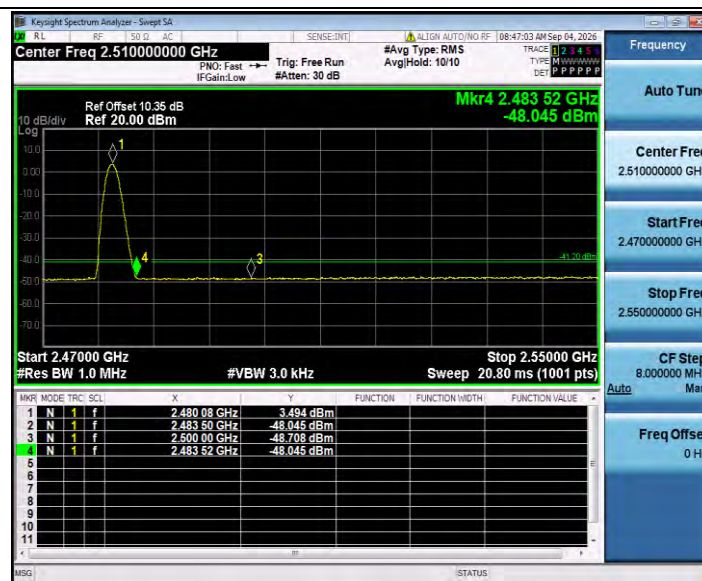
				Peak	2500.000	-42.14	≤ -21.20	53.06	≤ 74	PASS
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Note:

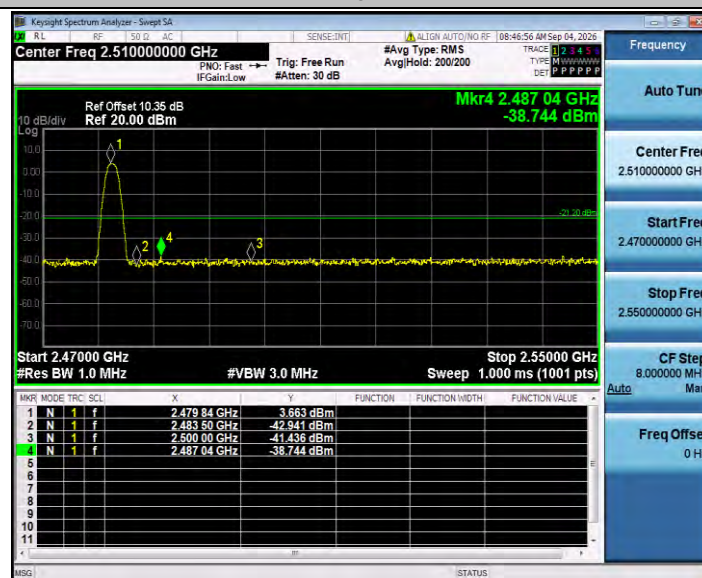
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

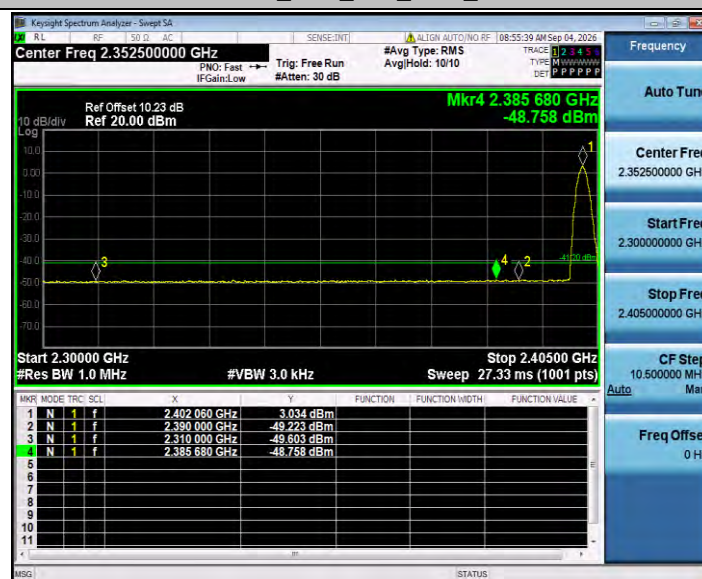




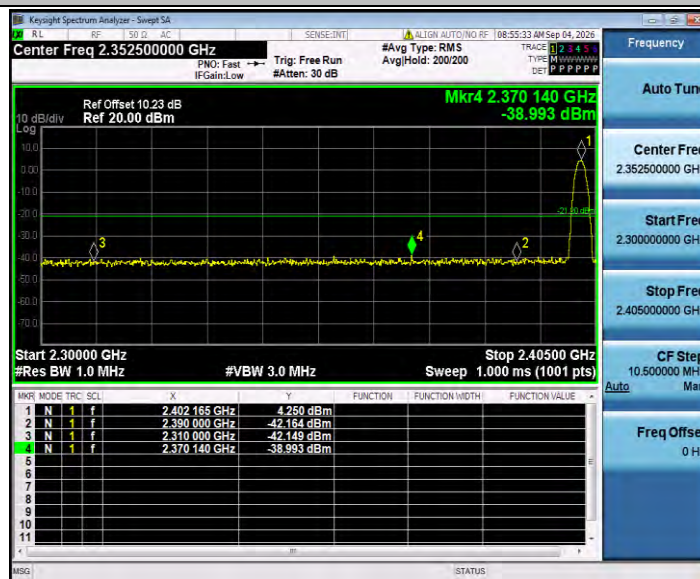
DH1_Ant0_High_2480_Peak



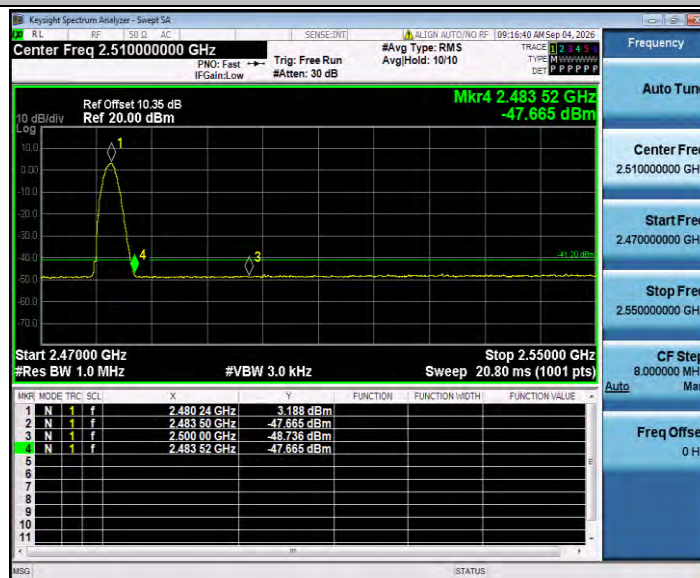
2DH1_Ant0_Low_2402_AV



2DH1_Ant0_Low_2402_Peak



2DH1_Ant0_High_2480_AV



2DH1_Ant0_High_2480_Peak

