

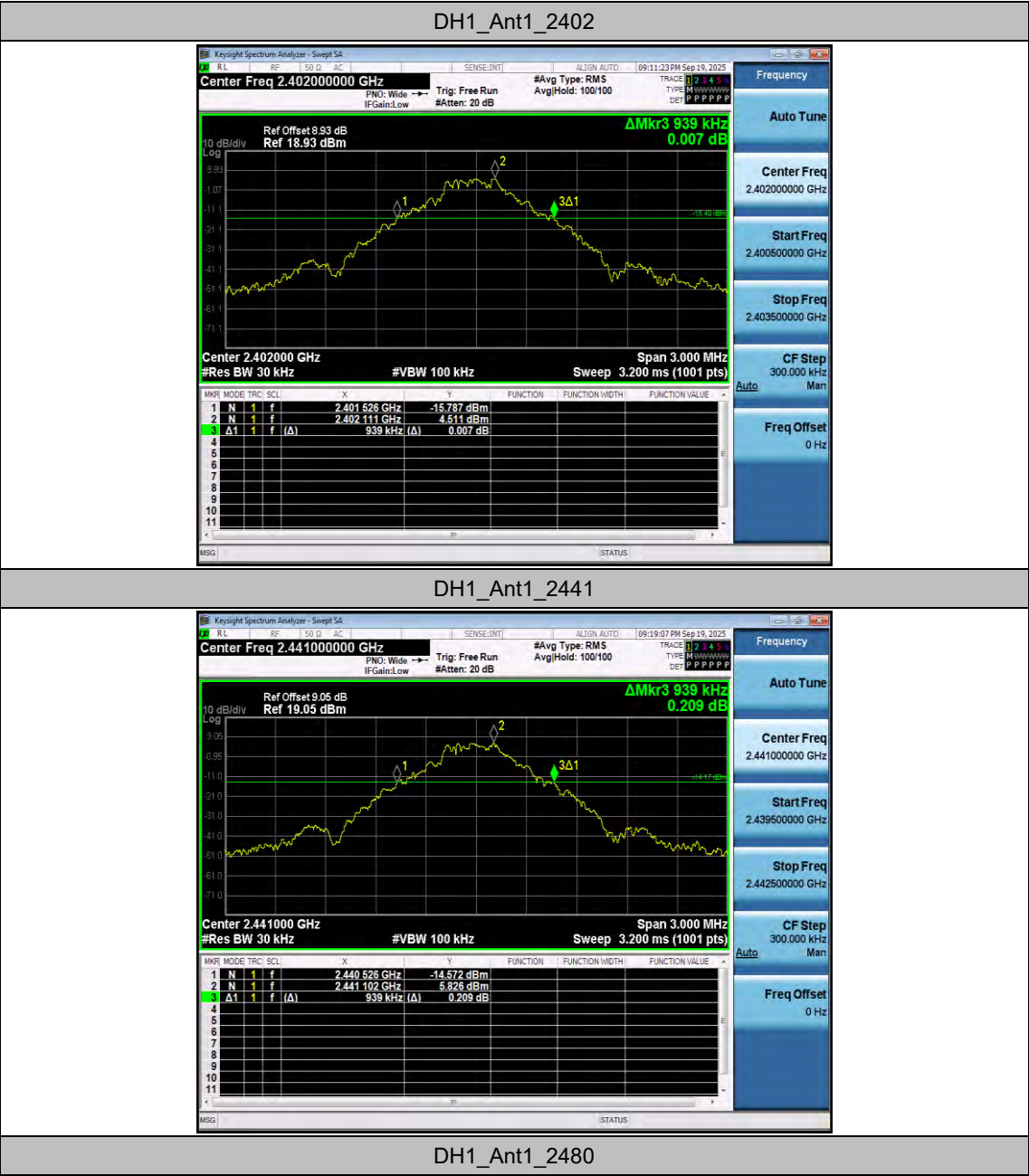
Case No. : <u>GTS20250825004-1-11</u>
Ambient Condition: <u>23</u> °C, <u>45</u> %RH
According Standard: <u>■Part15C</u>
Test Date: <u>2025.09.03-2025.09.26</u> Test Engineer: <u>Evan ouyang</u>

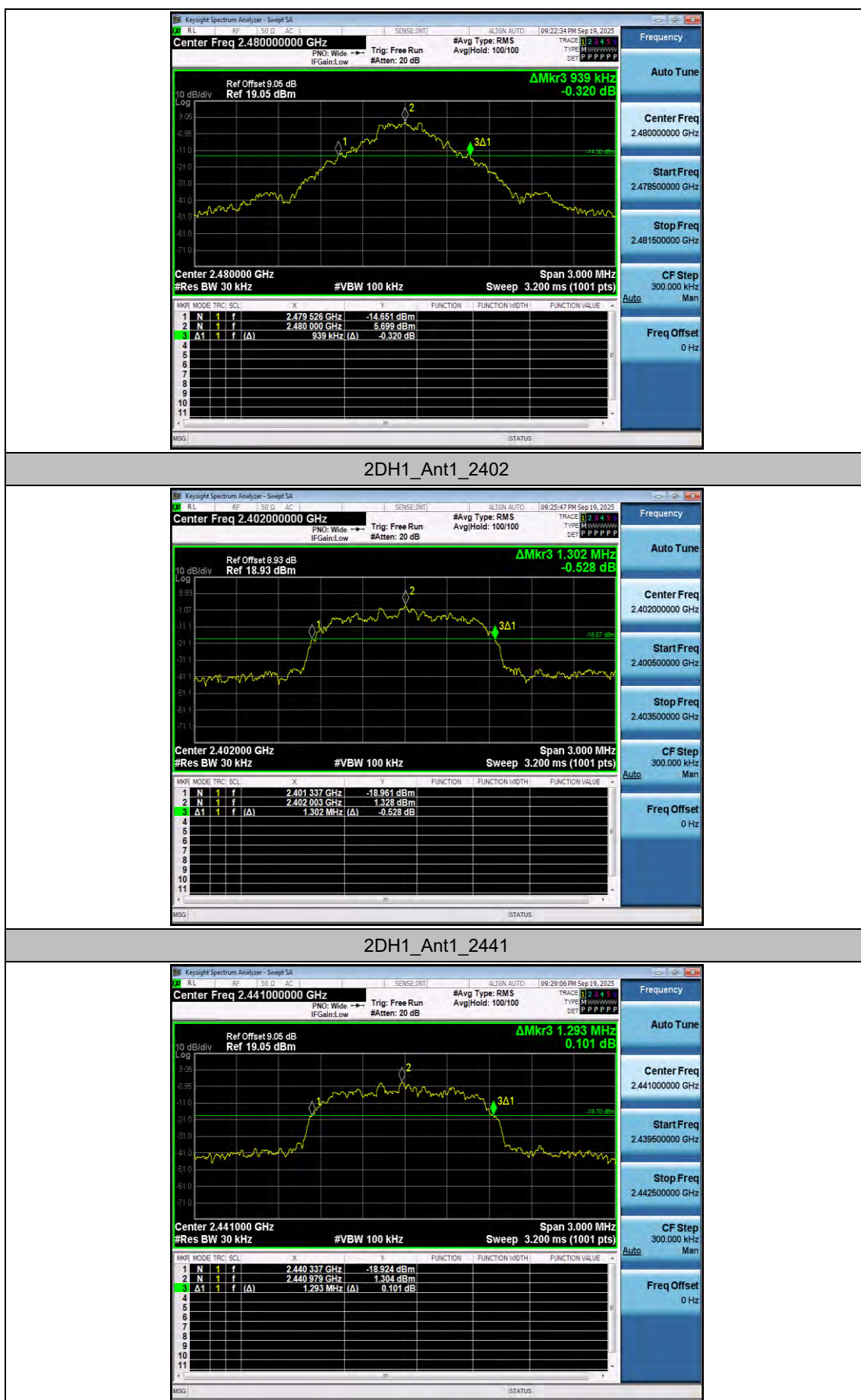
AppendixA.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.939	2401.526	2402.465	---	---
		2441	0.939	2440.526	2441.465	---	---
		2480	0.939	2479.526	2480.465	---	---
2DH1	Ant1	2402	1.302	2401.337	2402.639	---	---
		2441	1.293	2440.337	2441.630	---	---
		2480	1.281	2479.352	2480.633	---	---
3DH1	Ant1	2402	1.266	2401.358	2402.624	---	---
		2441	1.272	2440.364	2441.636	---	---
		2480	1.278	2479.352	2480.630	---	---

Test Graphs





2DH1_Ant1_2480



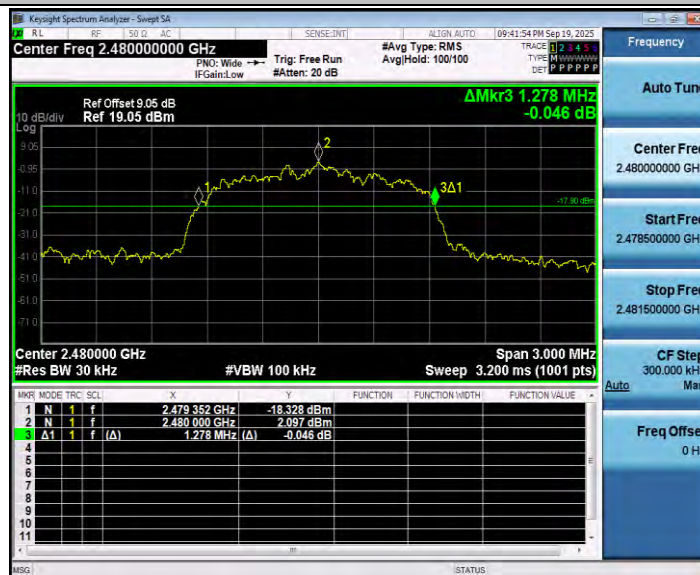
3DH1_Ant1_2402



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	0.83764	2401.5768	2402.4144	---	---
		2441	0.81780	2440.5896	2441.4074	---	---
		2480	0.83682	2479.5711	2480.4079	---	---
2DH1	Ant1	2402	1.1817	2401.3989	2402.5806	---	---
		2441	1.1749	2440.3956	2441.5705	---	---
		2480	1.1786	2479.3931	2480.5717	---	---
3DH1	Ant1	2402	1.1636	2401.4240	2402.5876	---	---
		2441	1.1646	2440.4211	2441.5857	---	---
		2480	1.1647	2479.4178	2480.5825	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DHI_Ant1_2402



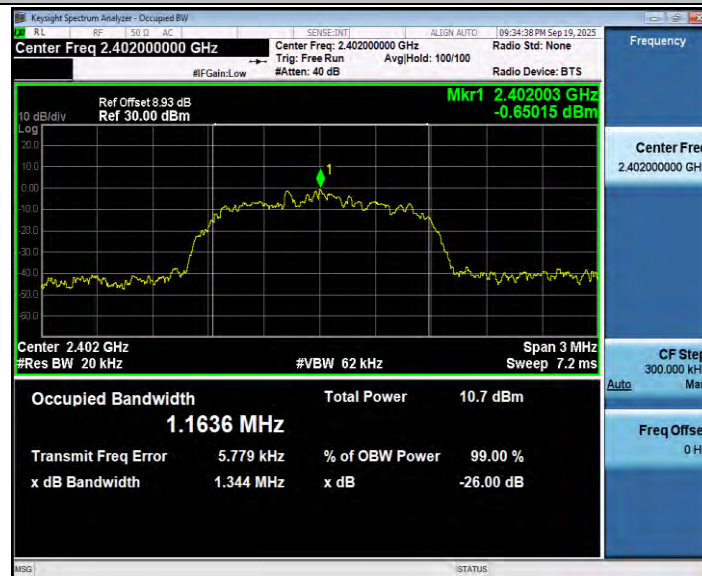
2DHI_Ant1_2441



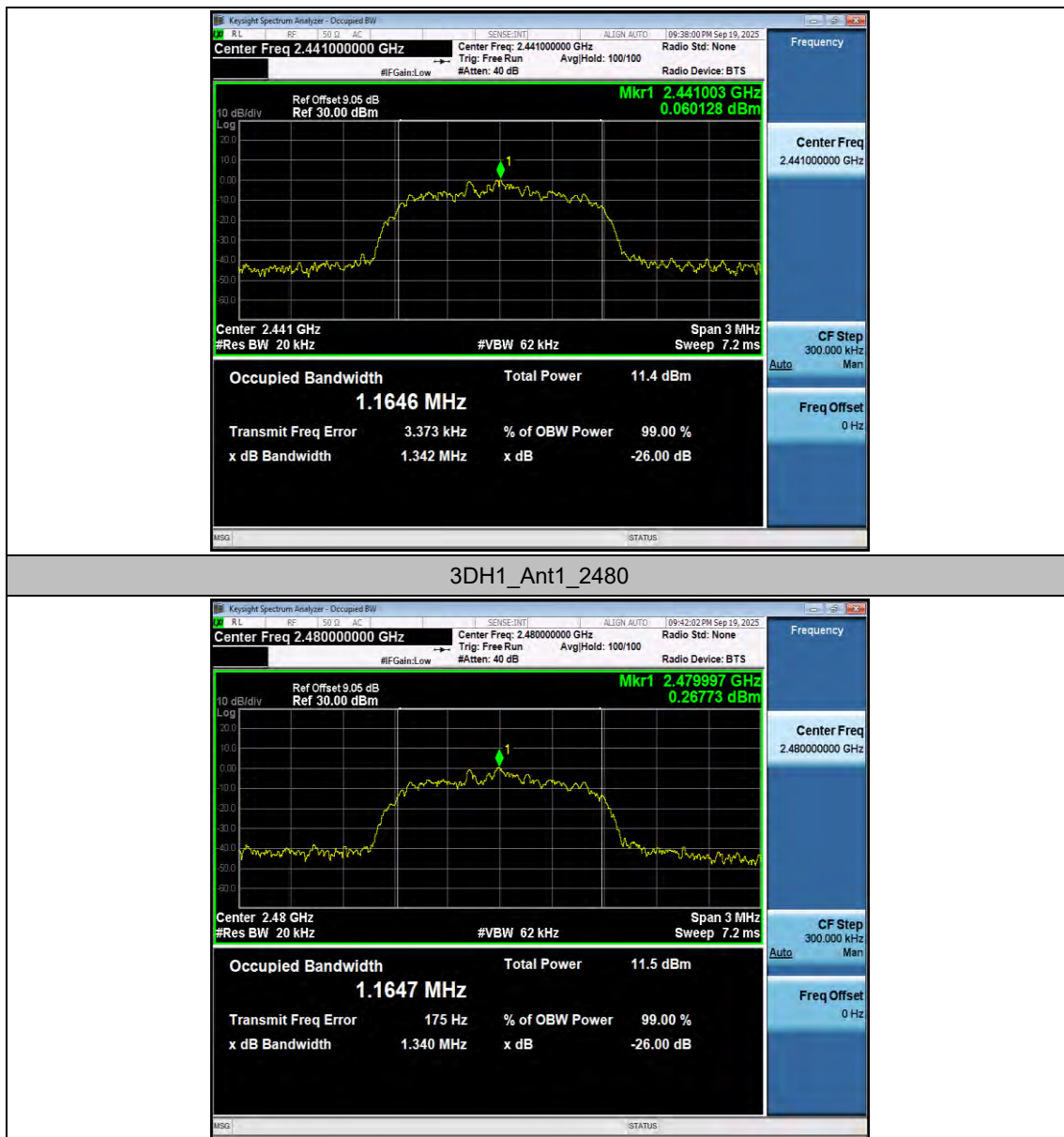
2DH1_Ant1_2480



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	9.57	≤30.00	PASS
		2441	9.77	≤30.00	PASS
		2480	9.60	≤30.00	PASS
2DH1	Ant1	2402	9.41	≤20.97	PASS
		2441	9.16	≤20.97	PASS
		2480	9.06	≤20.97	PASS
3DH1	Ant1	2402	9.71	≤20.97	PASS
		2441	9.47	≤20.97	PASS
		2480	9.25	≤20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.154	≥ 0.939	PASS
		Hop_2441	1.308	≥ 0.939	PASS
		Hop_2480	0.992	≥ 0.939	PASS
2DH1	Ant1	Hop_2402	1.014	≥ 0.868	PASS
		Hop_2441	0.988	≥ 0.868	PASS
		Hop_2480	0.996	≥ 0.868	PASS
3DH1	Ant1	Hop_2402	0.992	≥ 0.852	PASS
		Hop_2441	1.024	≥ 0.852	PASS
		Hop_2480	1.148	≥ 0.852	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480

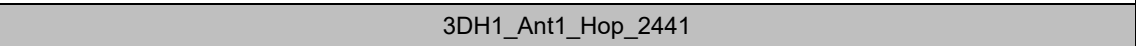
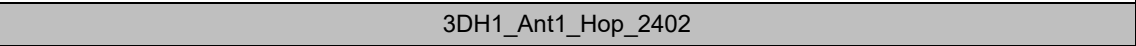


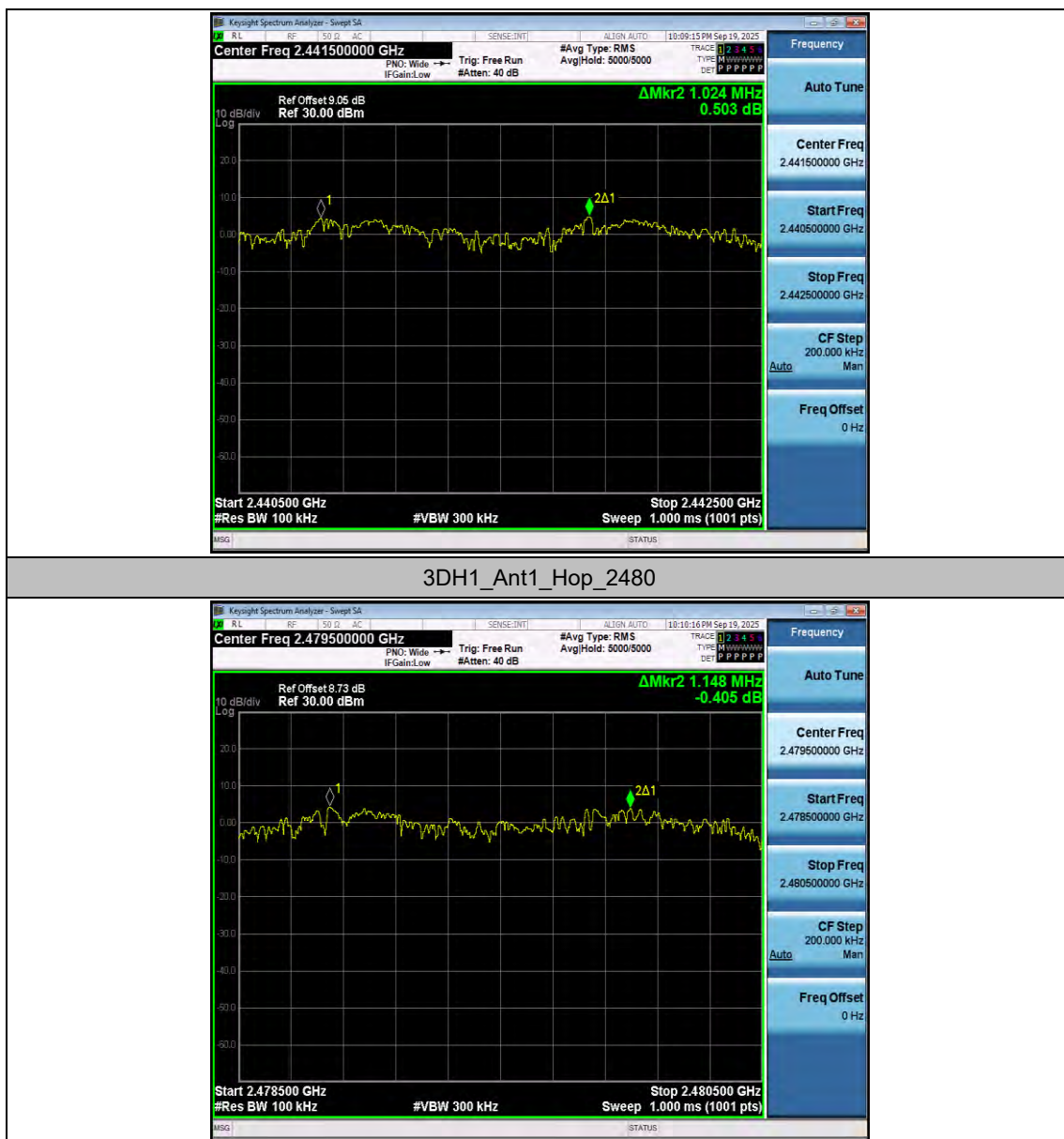
2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441





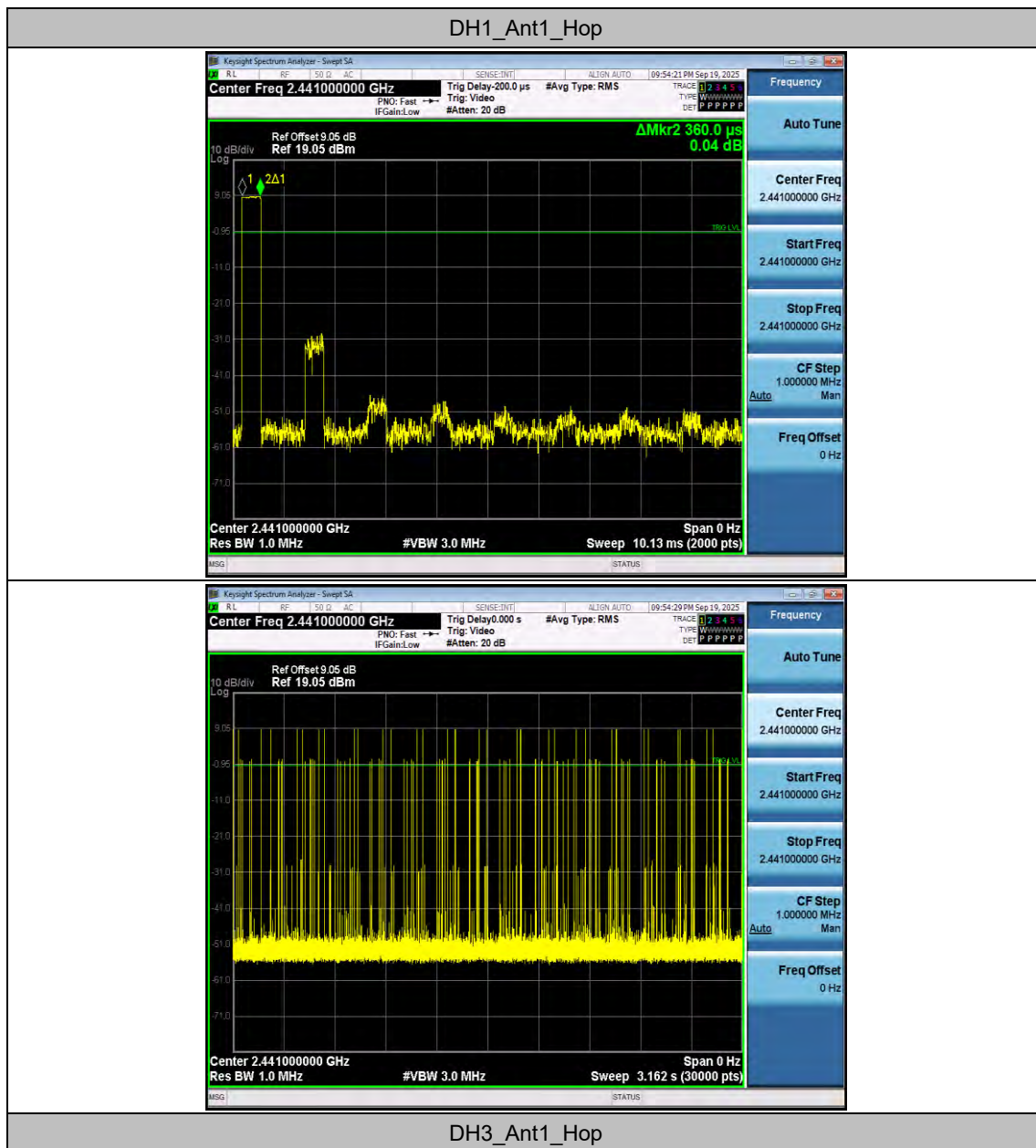


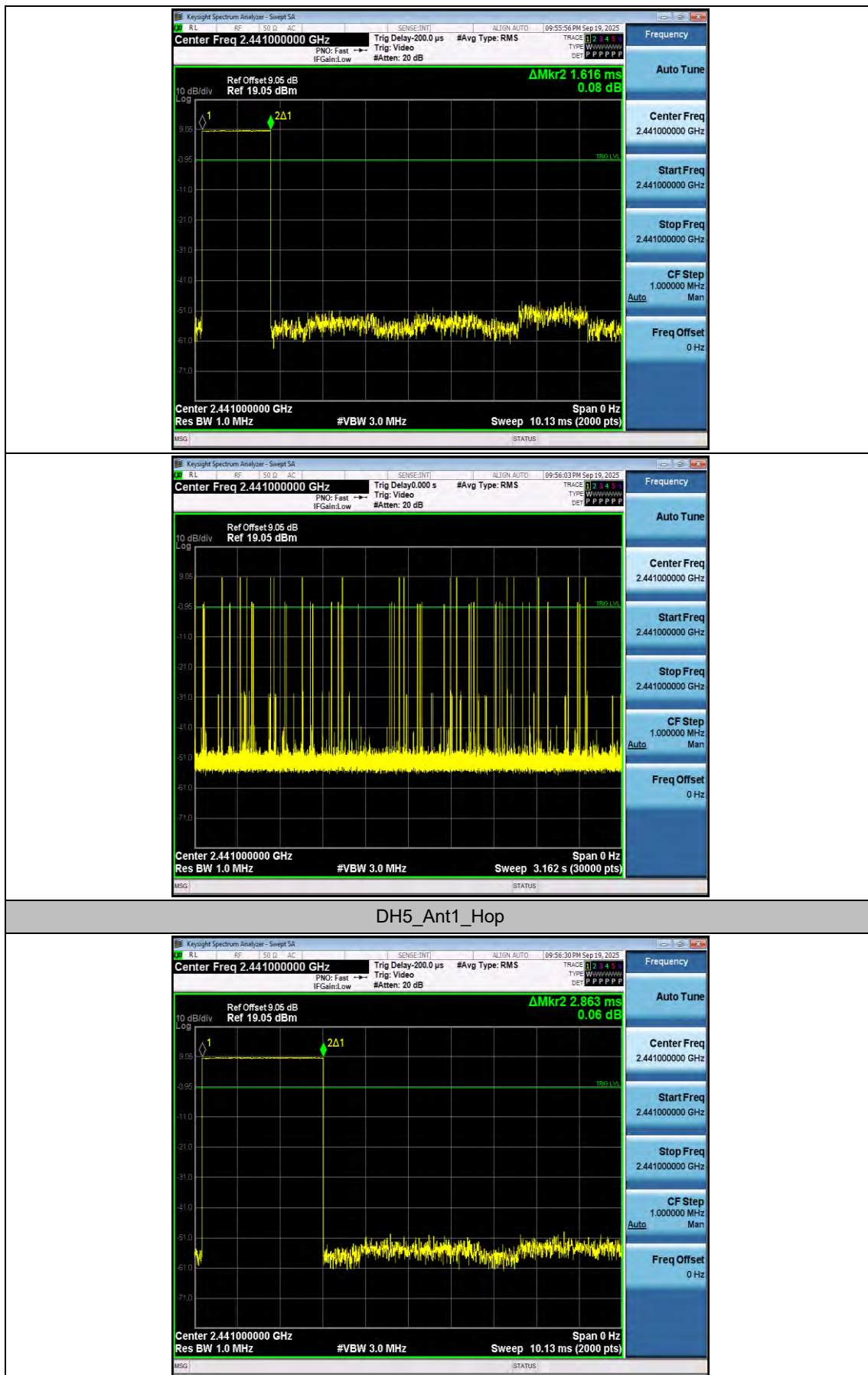
AppendixA.5: Time of occupancy

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	1.616	180	0.291	≤0.4	PASS
DH5	Ant1	Hop	2.863	80	0.229	≤0.4	PASS
2DH1	Ant1	Hop	0.360	330	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.616	180	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.863	120	0.344	≤0.4	PASS
3DH1	Ant1	Hop	0.360	330	0.119	≤0.4	PASS
3DH3	Ant1	Hop	1.611	180	0.29	≤0.4	PASS
3DH5	Ant1	Hop	2.863	110	0.315	≤0.4	PASS

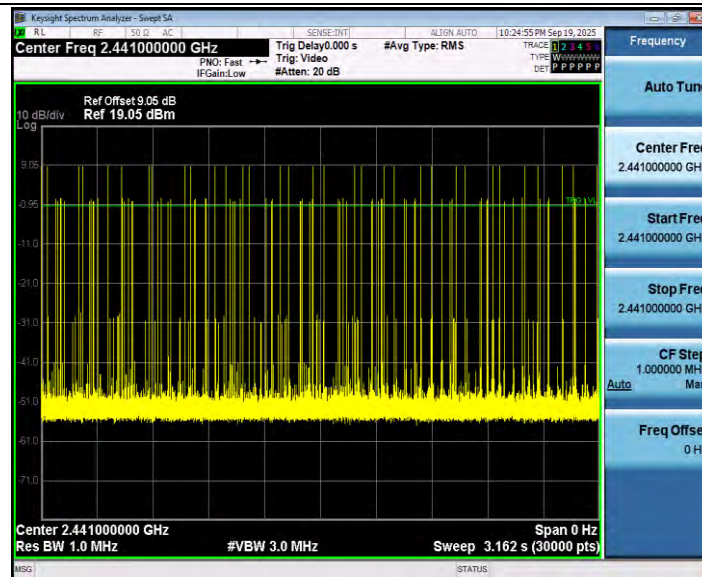
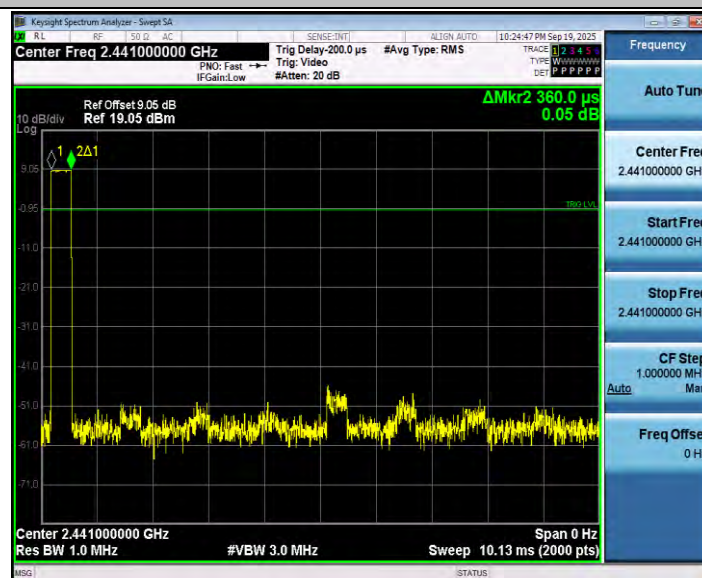
Test Graphs



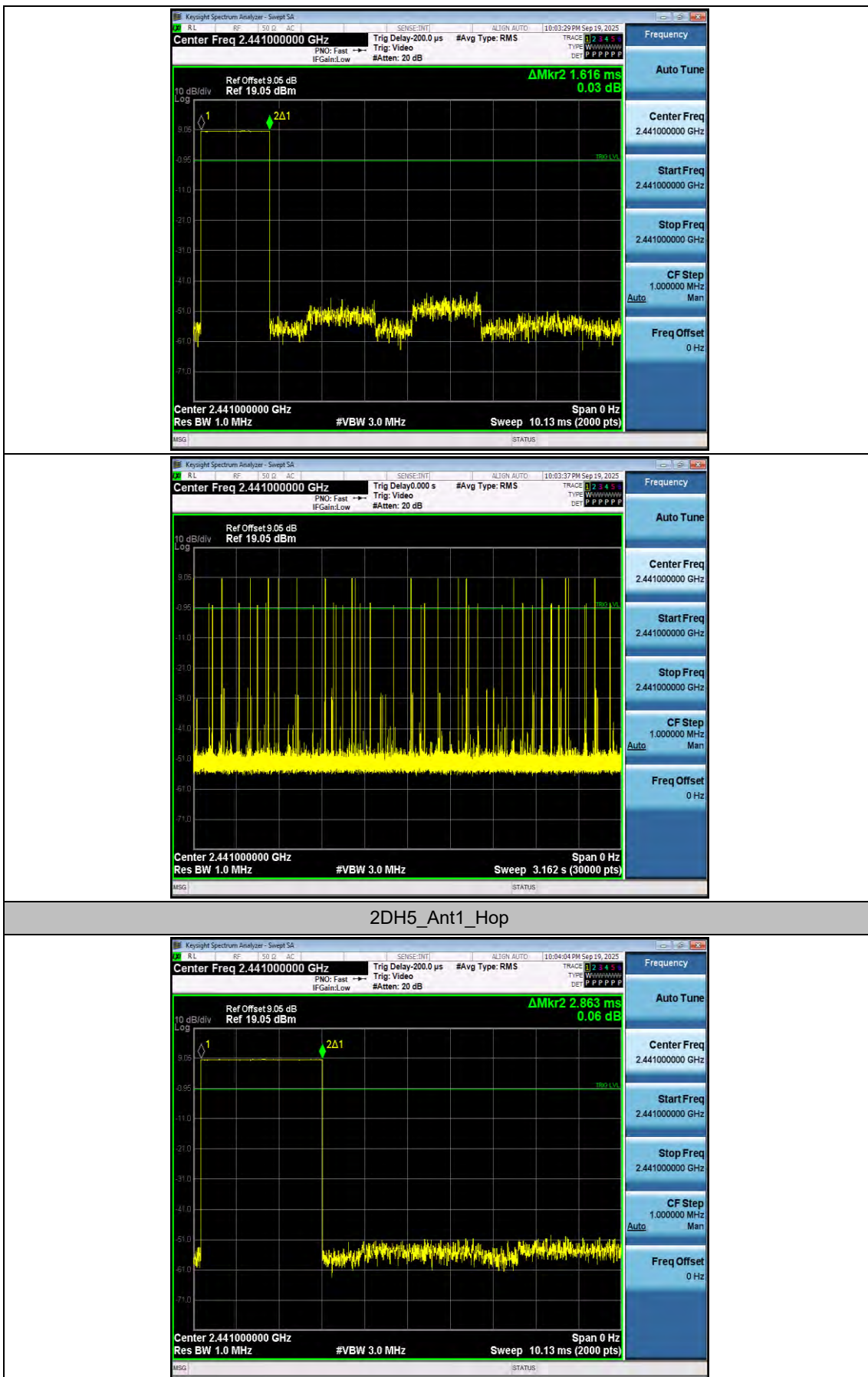


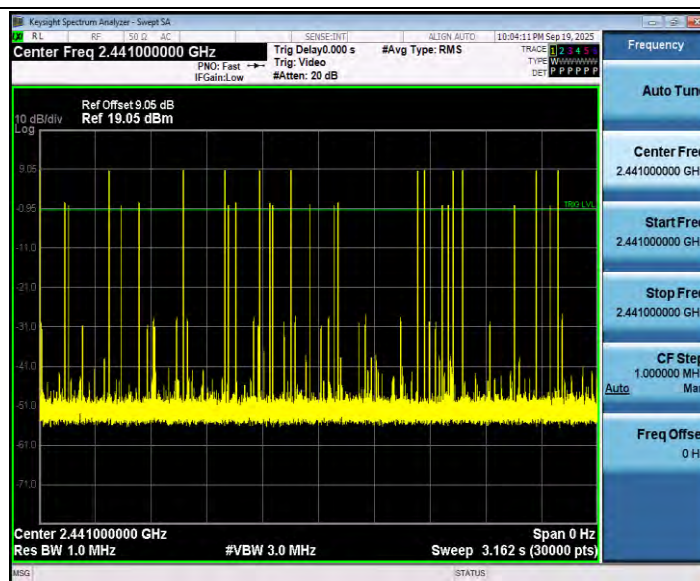


2DH1_Ant1_Hop

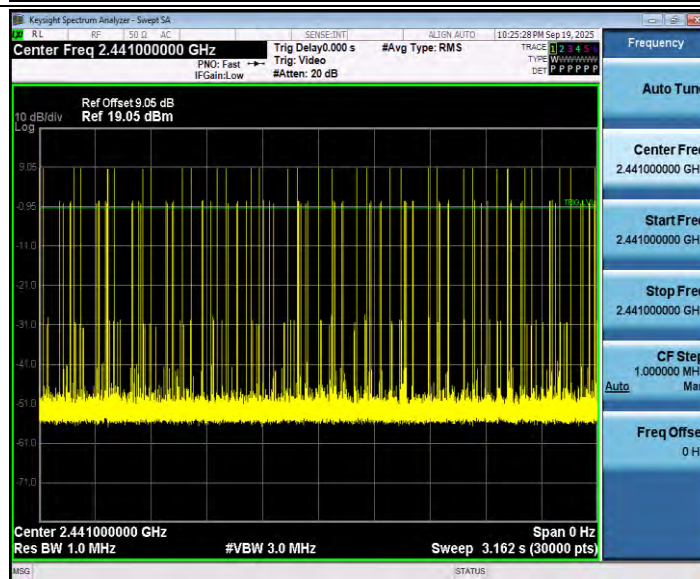
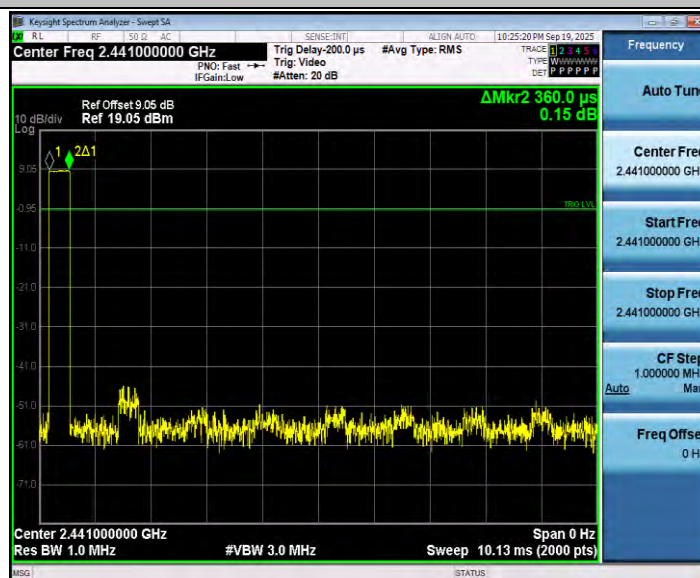


2DH3_Ant1_Hop

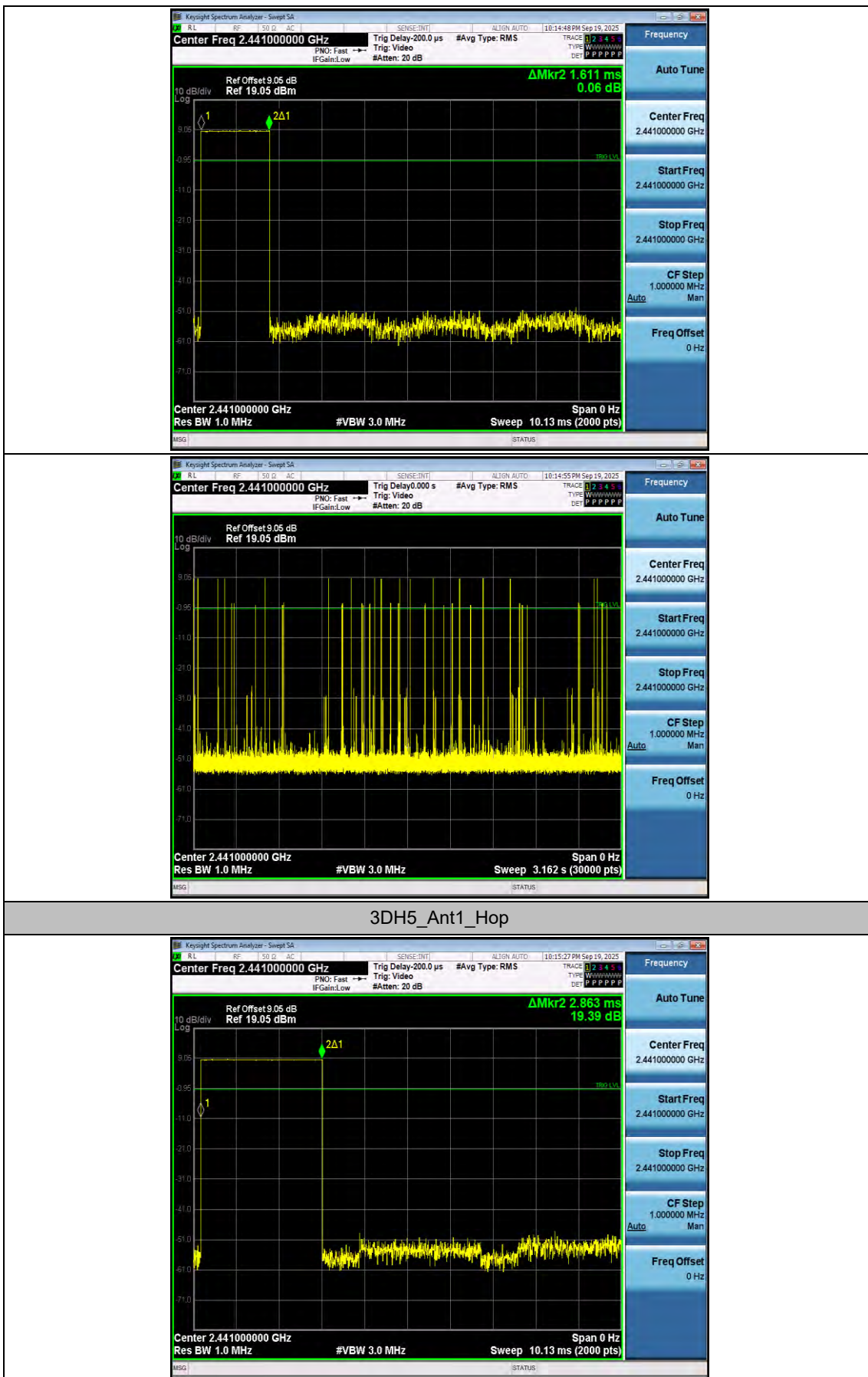


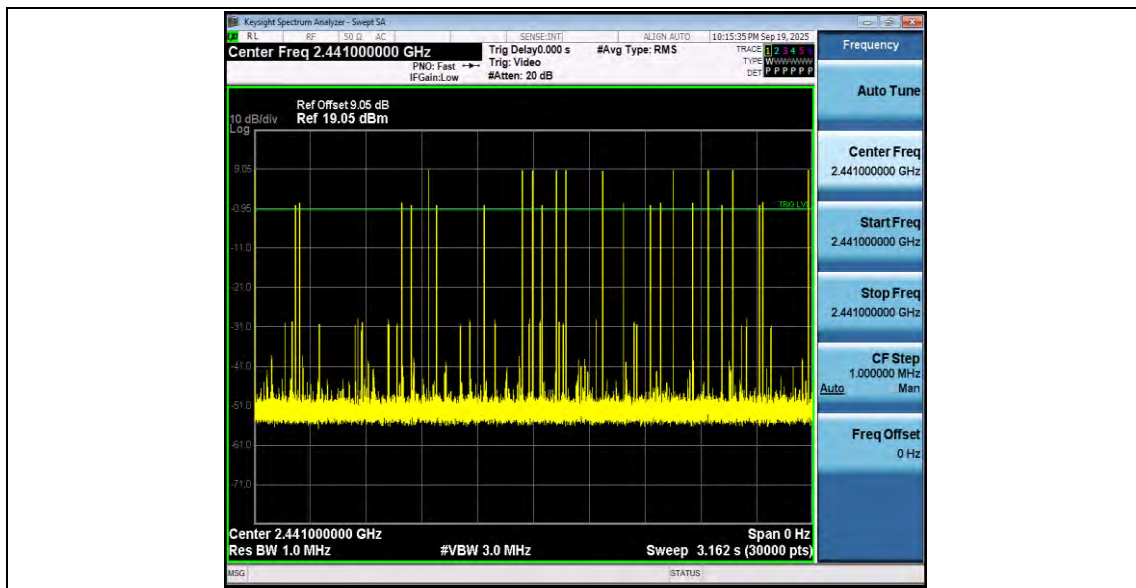


3DH1_Ant1_Hop



3DH3_Ant1_Hop



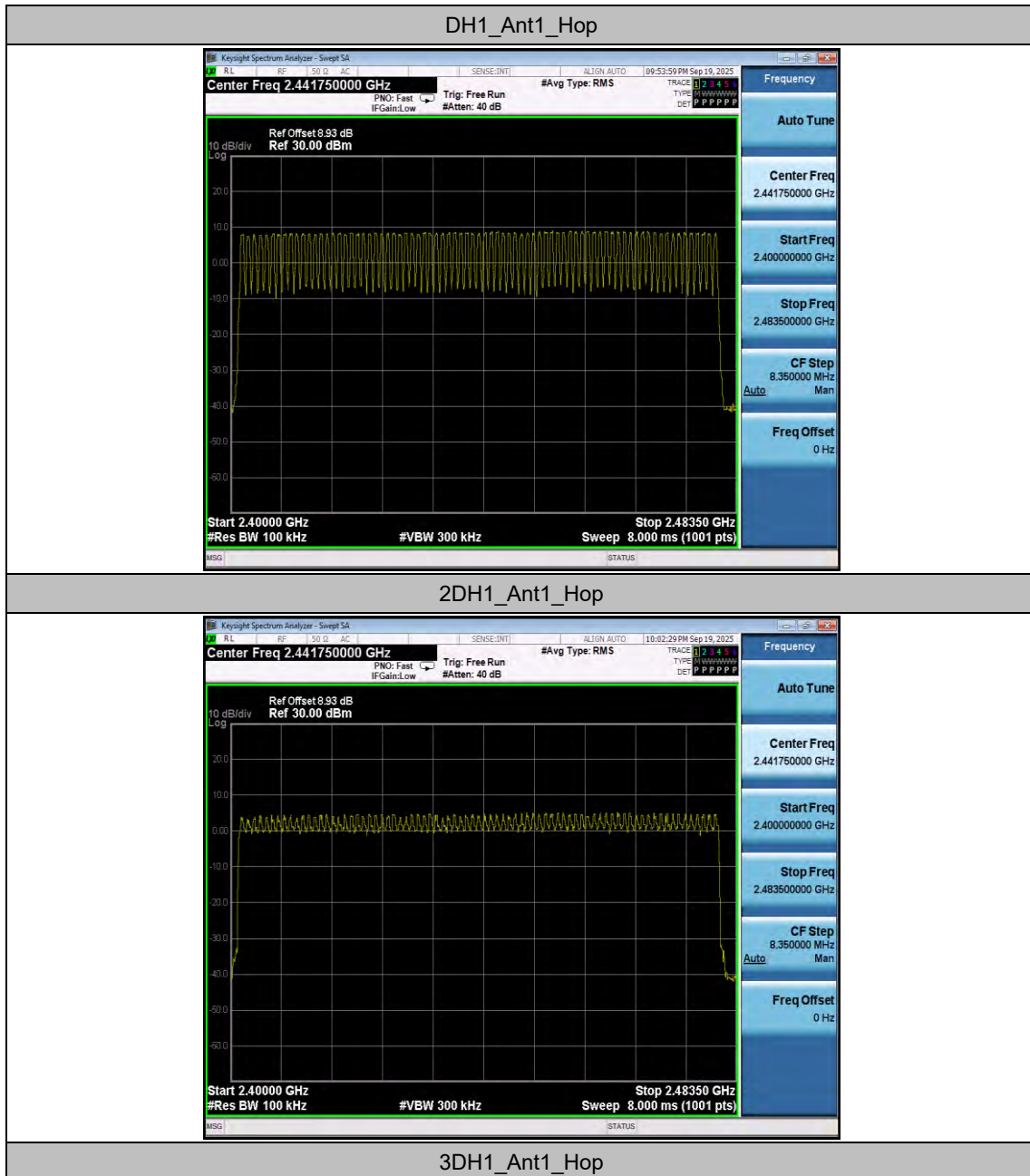


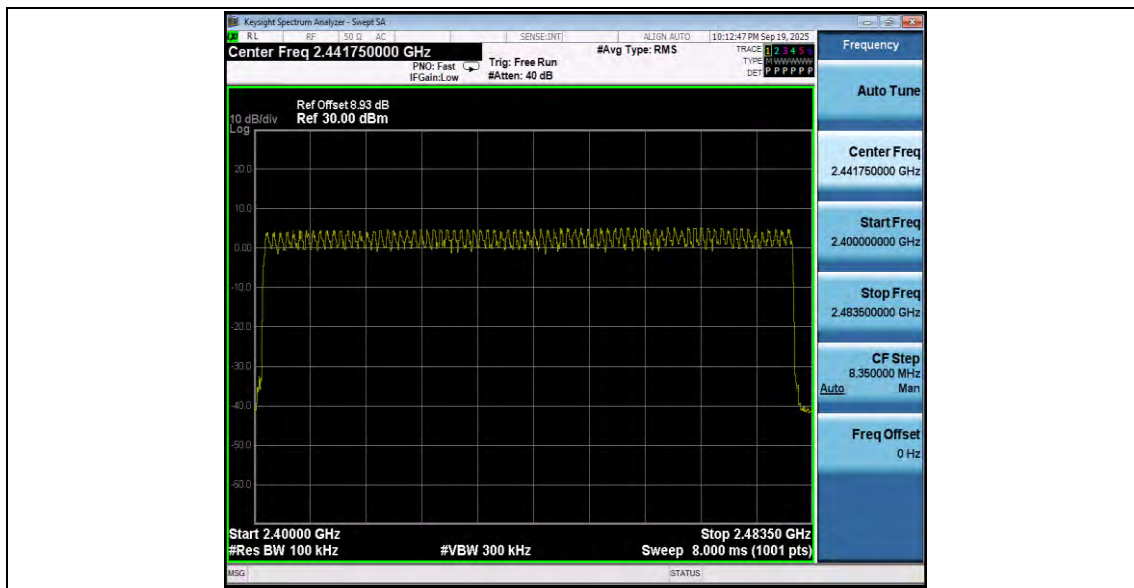
AppendixA.6: Number of hopping channels

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



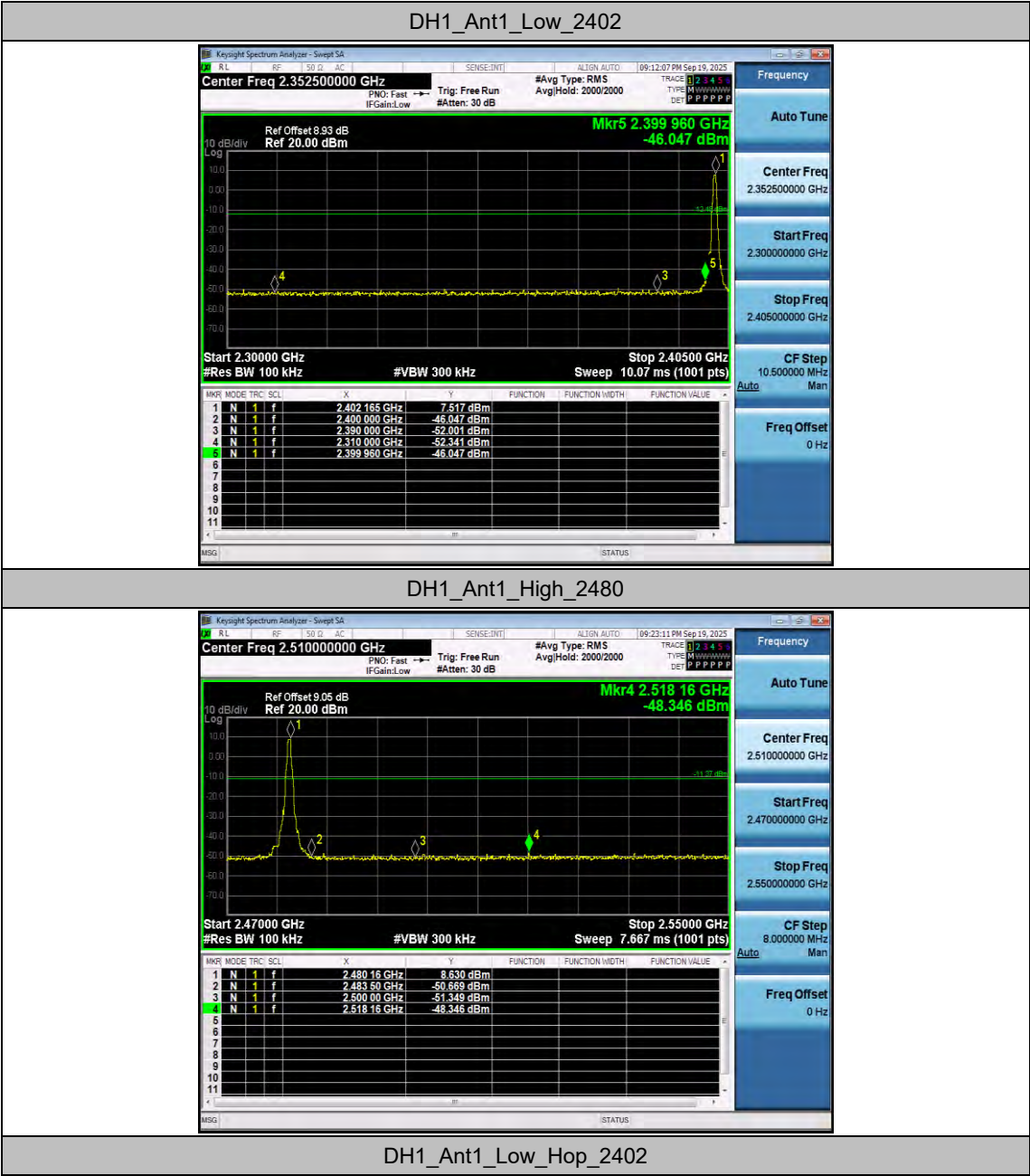


Appendix A.7: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	7.52	-46.05	≤ -12.48	PASS
		High	2480	8.63	-48.35	≤ -11.37	PASS
		Low	Hop_2402	7.73	-46.97	≤ -12.27	PASS
		High	Hop_2480	8.71	-48.61	≤ -11.29	PASS
2DH1	Ant1	Low	2402	4.08	-47.78	≤ -15.92	PASS
		High	2480	4.84	-48.52	≤ -15.16	PASS
		Low	Hop_2402	4.17	-47.63	≤ -15.83	PASS
		High	Hop_2480	8.53	-48.89	≤ -11.47	PASS
3DH1	Ant1	Low	2402	4.15	-47.47	≤ -15.85	PASS
		High	2480	4.94	-48.6	≤ -15.06	PASS
		Low	Hop_2402	4.17	-48.65	≤ -15.83	PASS
		High	Hop_2480	8.59	-48.59	≤ -11.41	PASS

Test Graphs



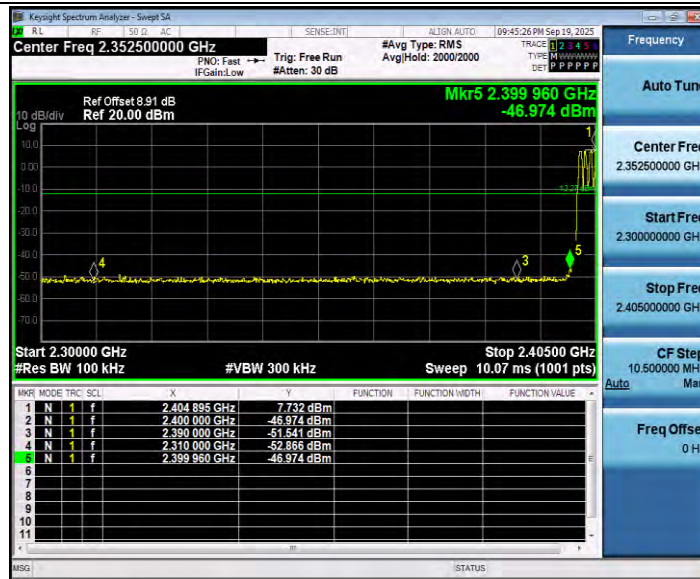
DH1_Ant1_High_2480

Frequency

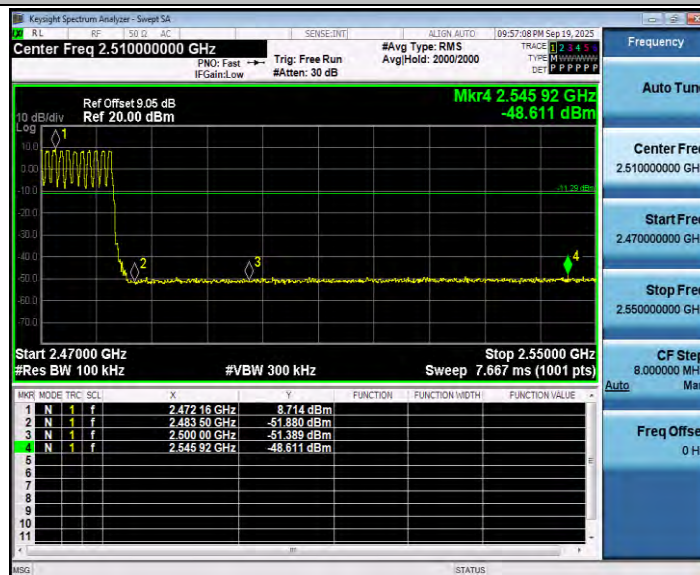
Auto Tune

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

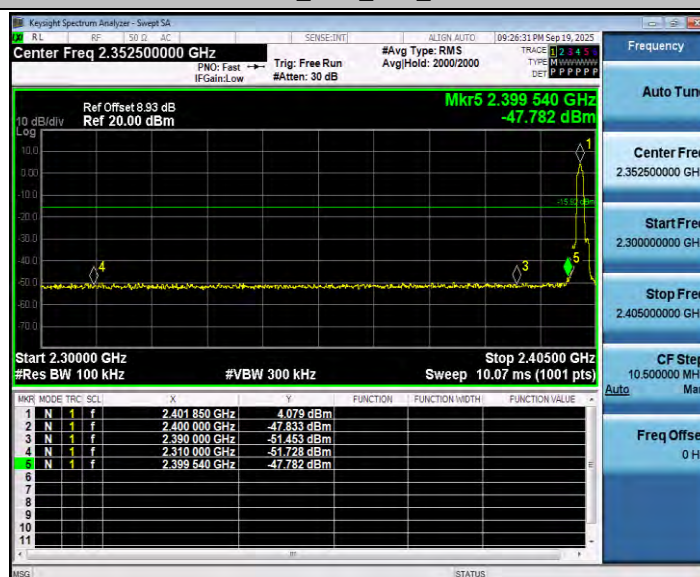
DH1_Ant1_Low_Hop_2402



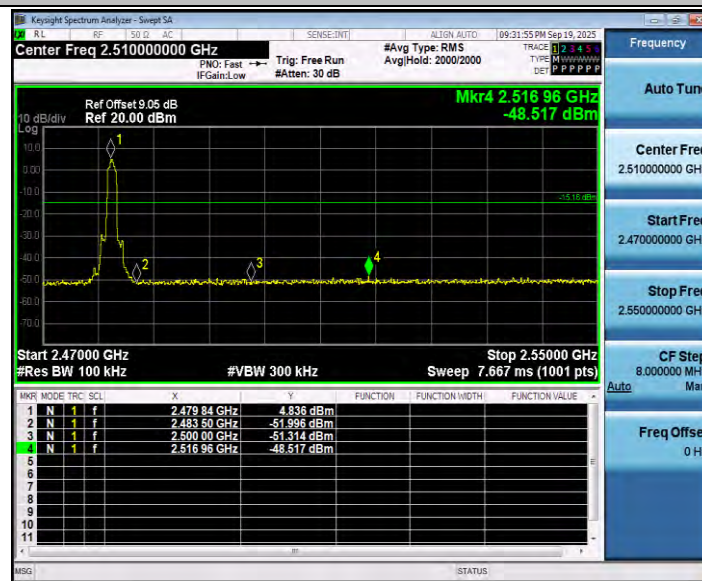
DH1_Ant1_High_Hop_2480



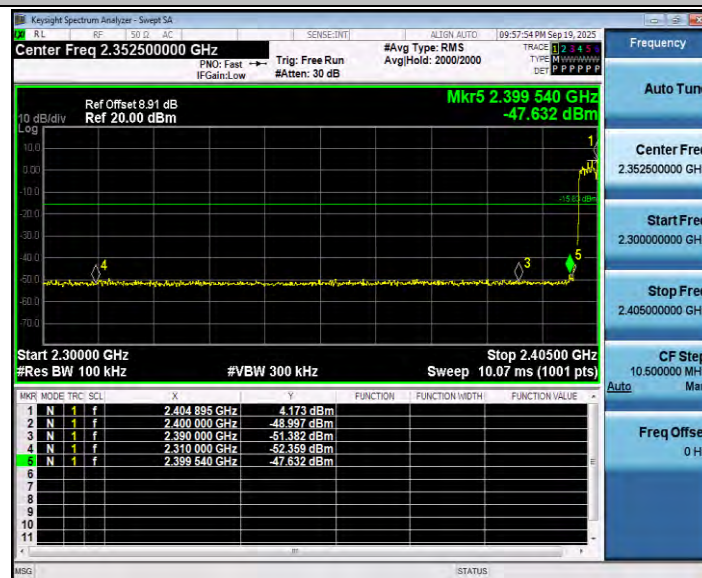
2DH1_Ant1_Low_2402



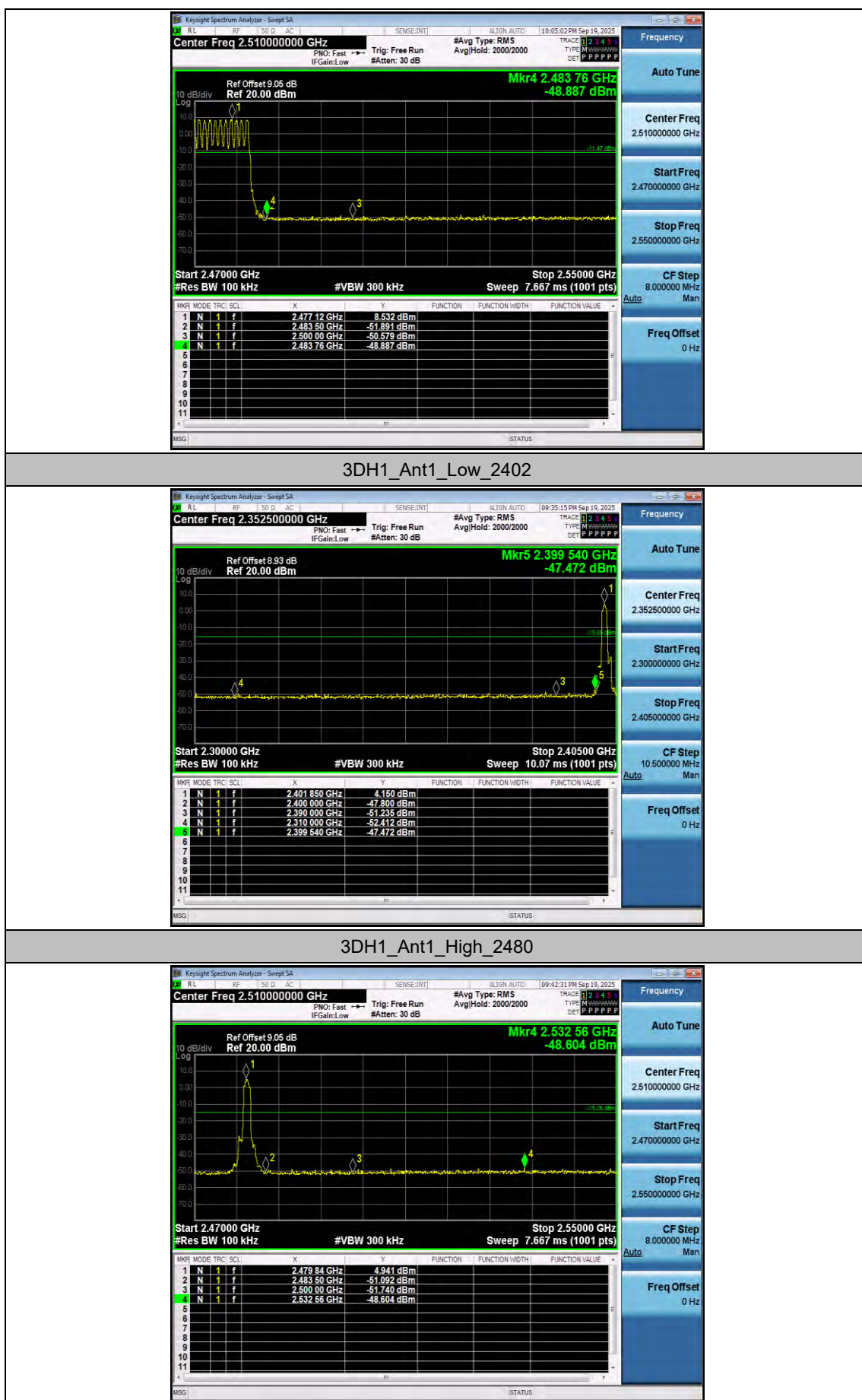
2DH1_Ant1_High_2480



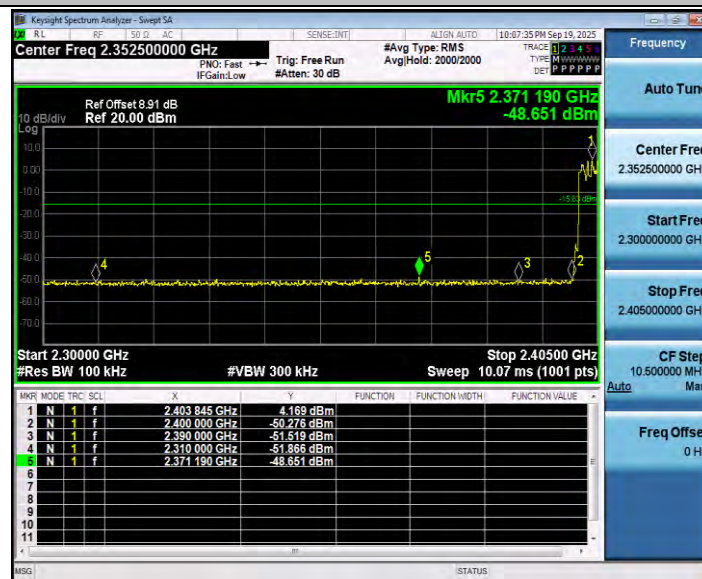
2DH1_Ant1_Low_Hop_2402



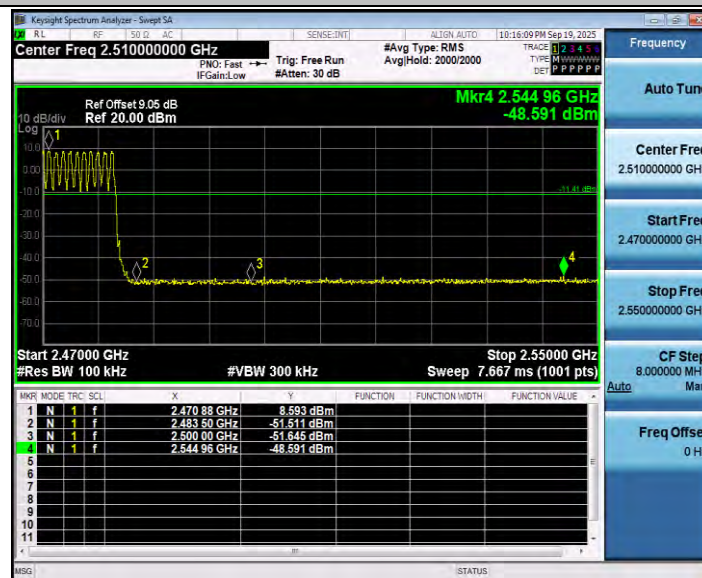
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

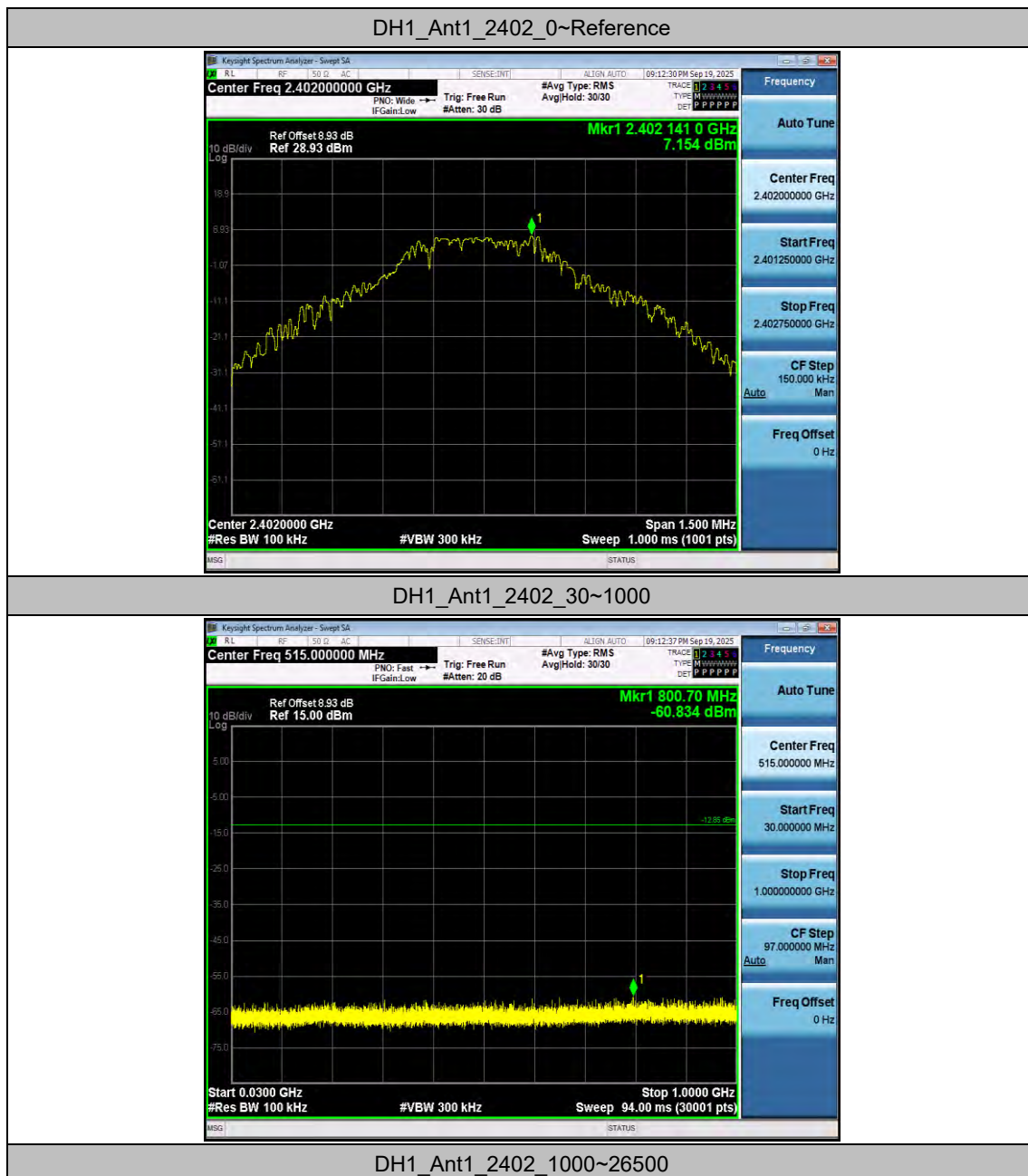


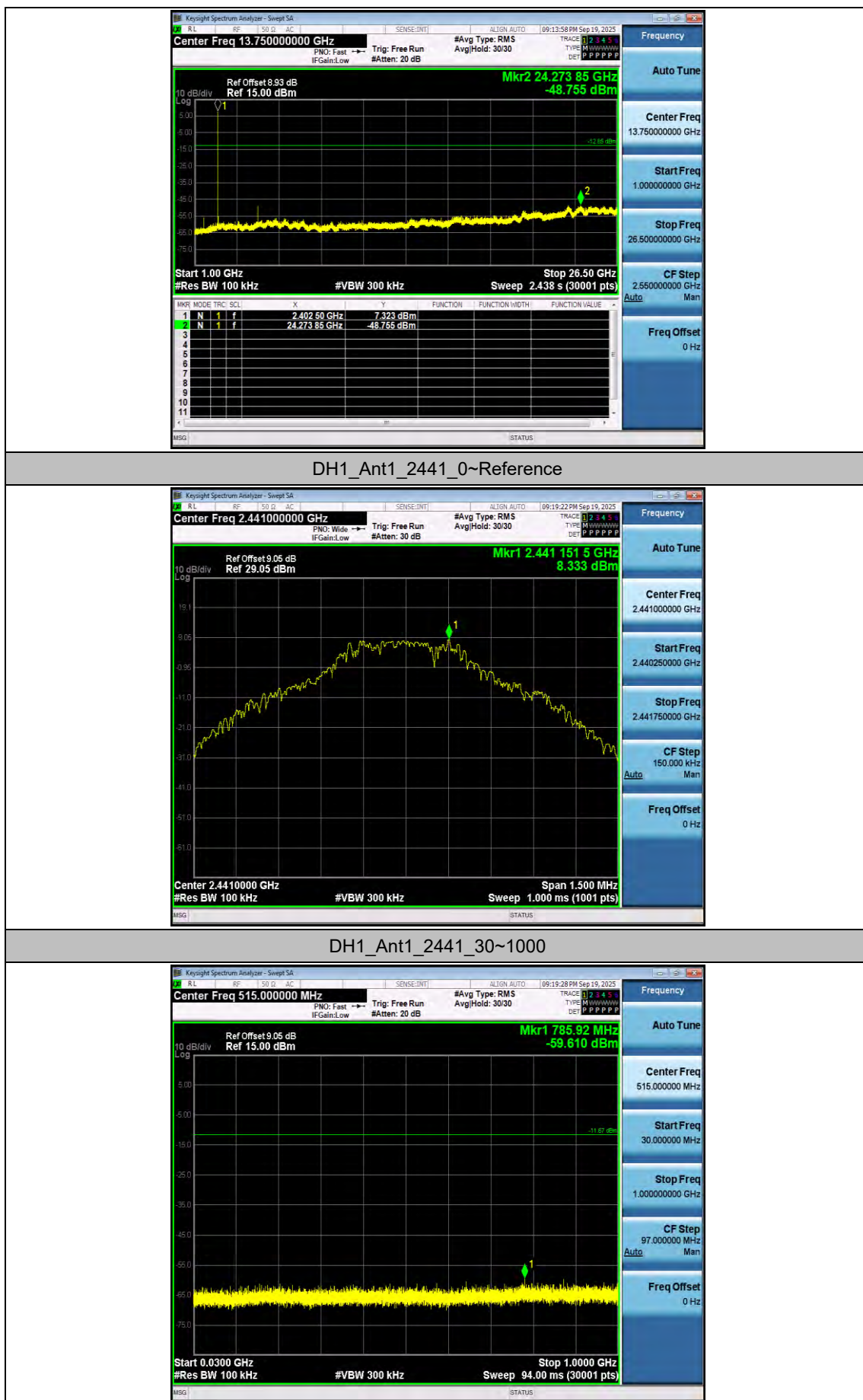
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	7.15	7.15	---	PASS
			30~1000	7.15	-60.83	≤ -12.85	PASS
			1000~26500	7.15	-48.76	≤ -12.85	PASS
		2441	Reference	8.33	8.33	---	PASS
			30~1000	8.33	-59.61	≤ -11.67	PASS
			1000~26500	8.33	-48.17	≤ -11.67	PASS
		2480	Reference	7.84	7.84	---	PASS
			30~1000	7.84	-60.97	≤ -12.16	PASS
			1000~26500	7.84	-47.98	≤ -12.16	PASS
2DH1	Ant1	2402	Reference	3.33	3.33	---	PASS
			30~1000	3.33	-60.98	≤ -16.67	PASS
			1000~26500	3.33	-46.81	≤ -16.67	PASS
		2441	Reference	4.08	4.08	---	PASS
			30~1000	4.08	-60.63	≤ -15.92	PASS
			1000~26500	4.08	-47.42	≤ -15.92	PASS
		2480	Reference	4.75	4.75	---	PASS
			30~1000	4.75	-60.74	≤ -15.25	PASS
			1000~26500	4.75	-47.03	≤ -15.25	PASS
3DH1	Ant1	2402	Reference	3.68	3.68	---	PASS
			30~1000	3.68	-60.86	≤ -16.32	PASS
			1000~26500	3.68	-47.47	≤ -16.32	PASS
		2441	Reference	4.06	4.06	---	PASS
			30~1000	4.06	-60.38	≤ -15.94	PASS
			1000~26500	4.06	-47.65	≤ -15.94	PASS
		2480	Reference	4.20	4.20	---	PASS
			30~1000	4.20	-60.55	≤ -15.8	PASS
			1000~26500	4.20	-47.69	≤ -15.8	PASS

Test Graphs





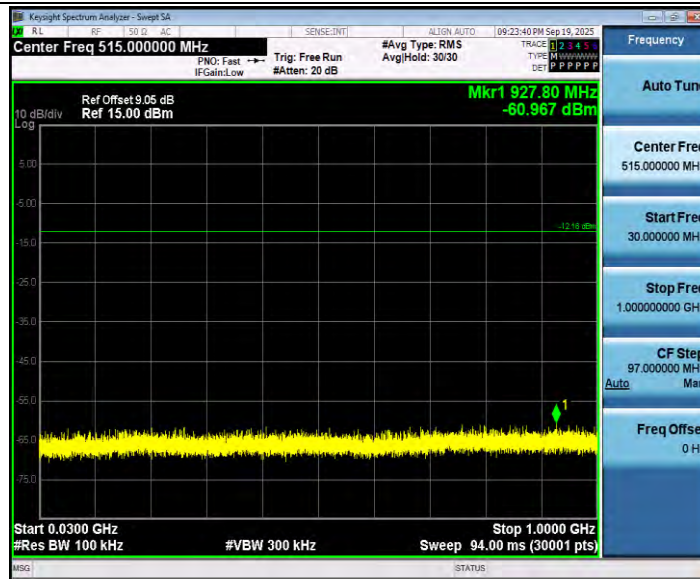
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

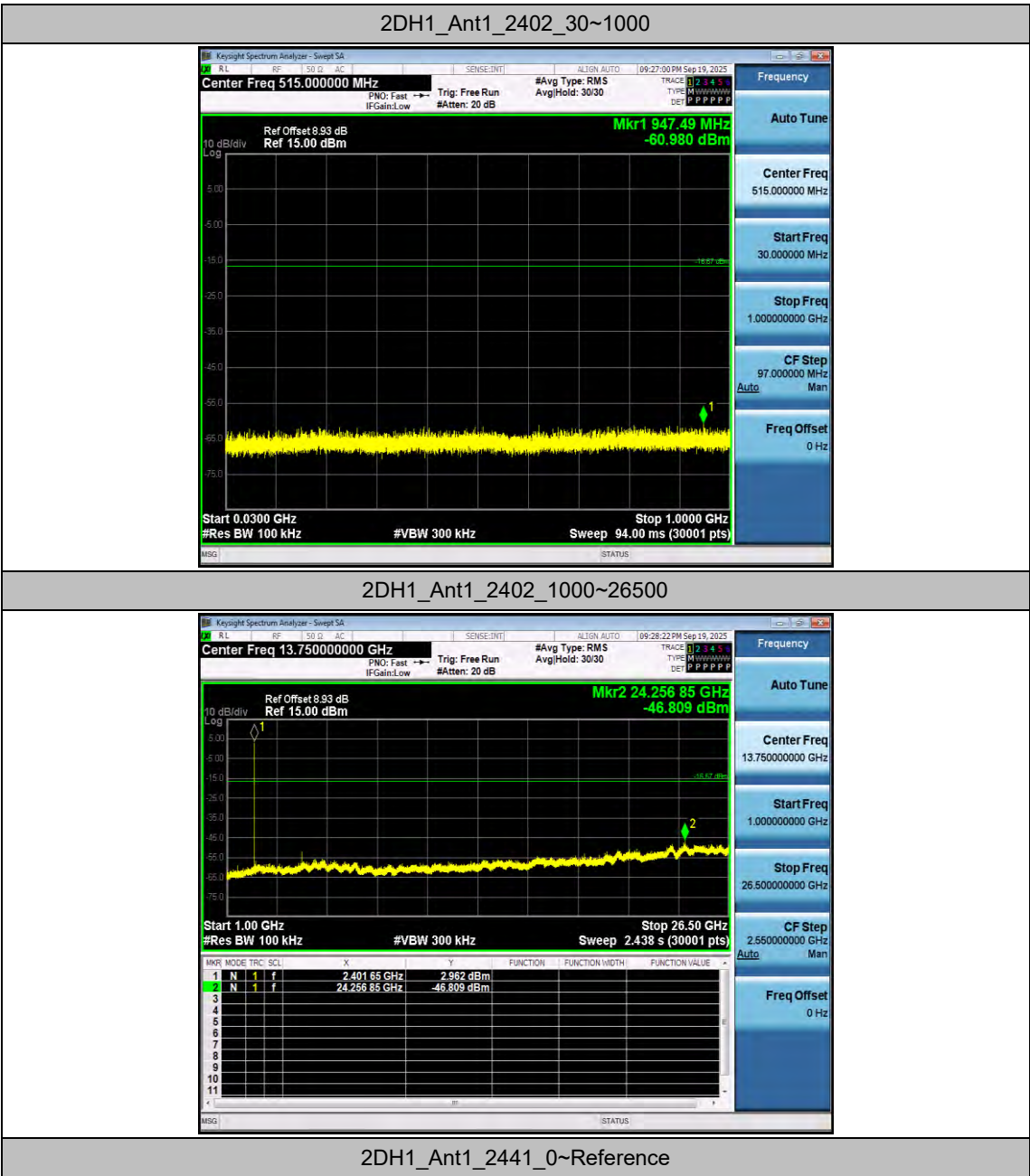


DH1_Ant1_2480_1000~26500



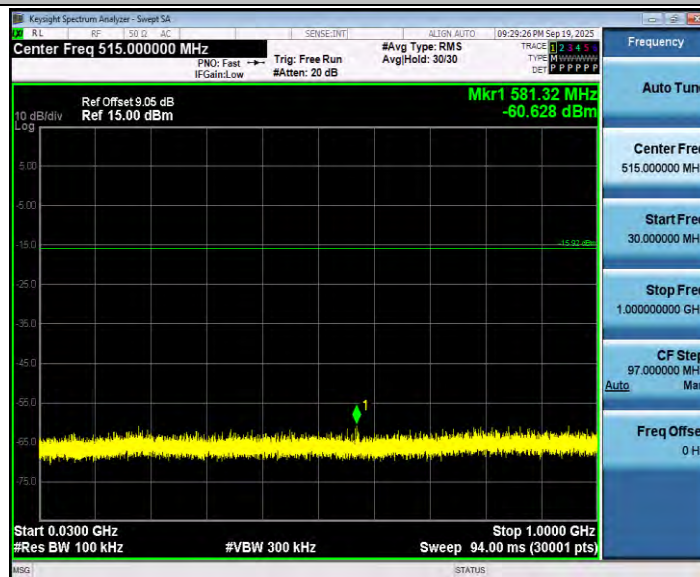
2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



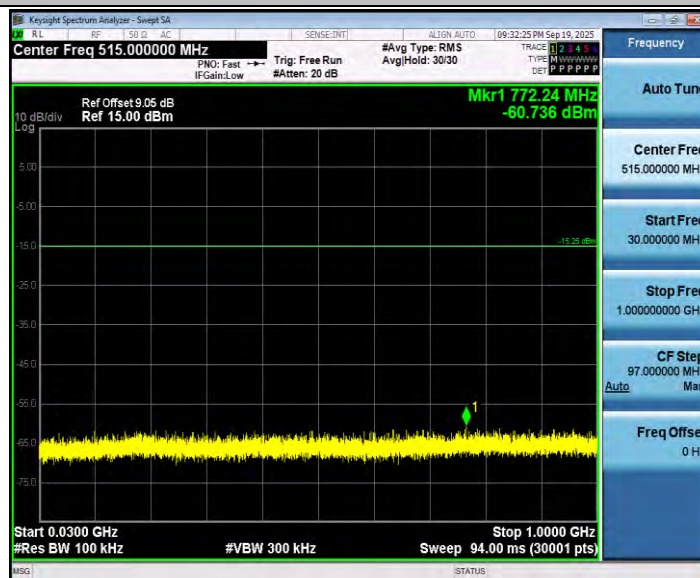
2DH1_Ant1_2441_1000~26500



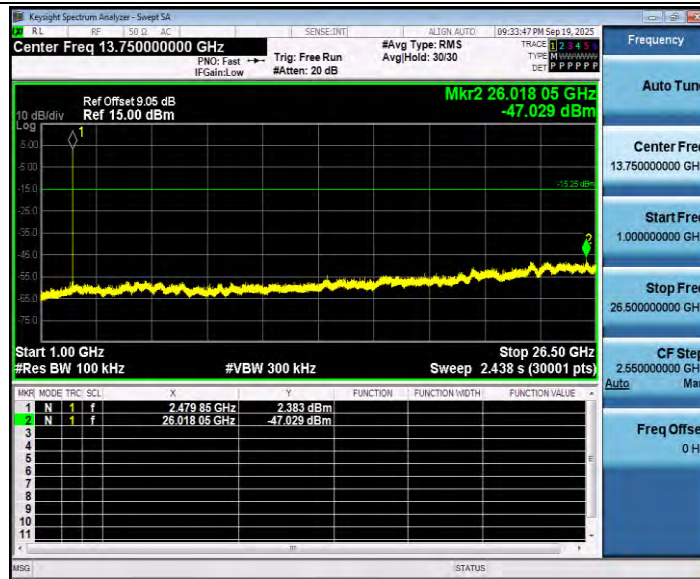
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



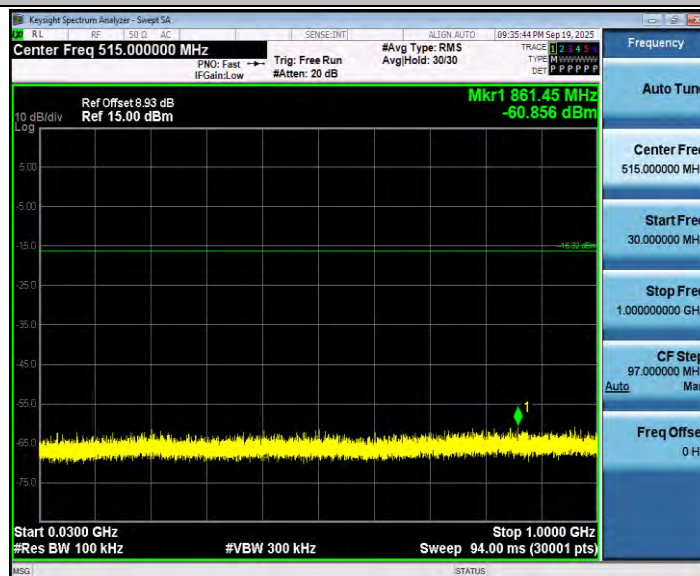
2DH1_Ant1_2480_1000~26500



3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



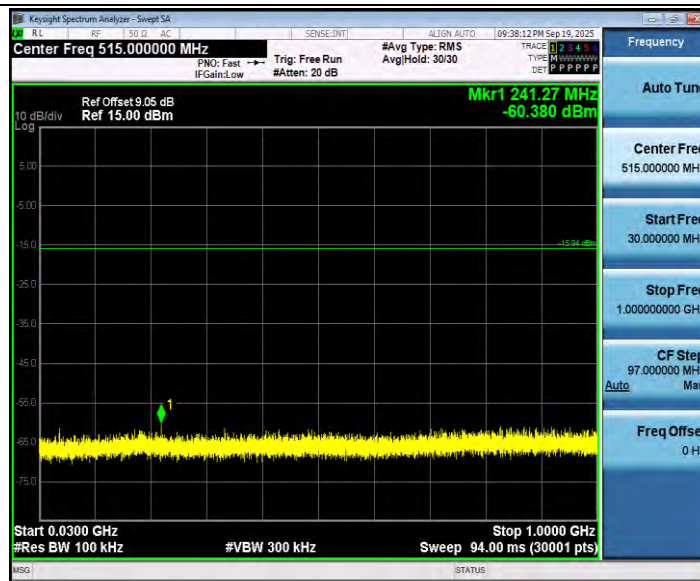
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

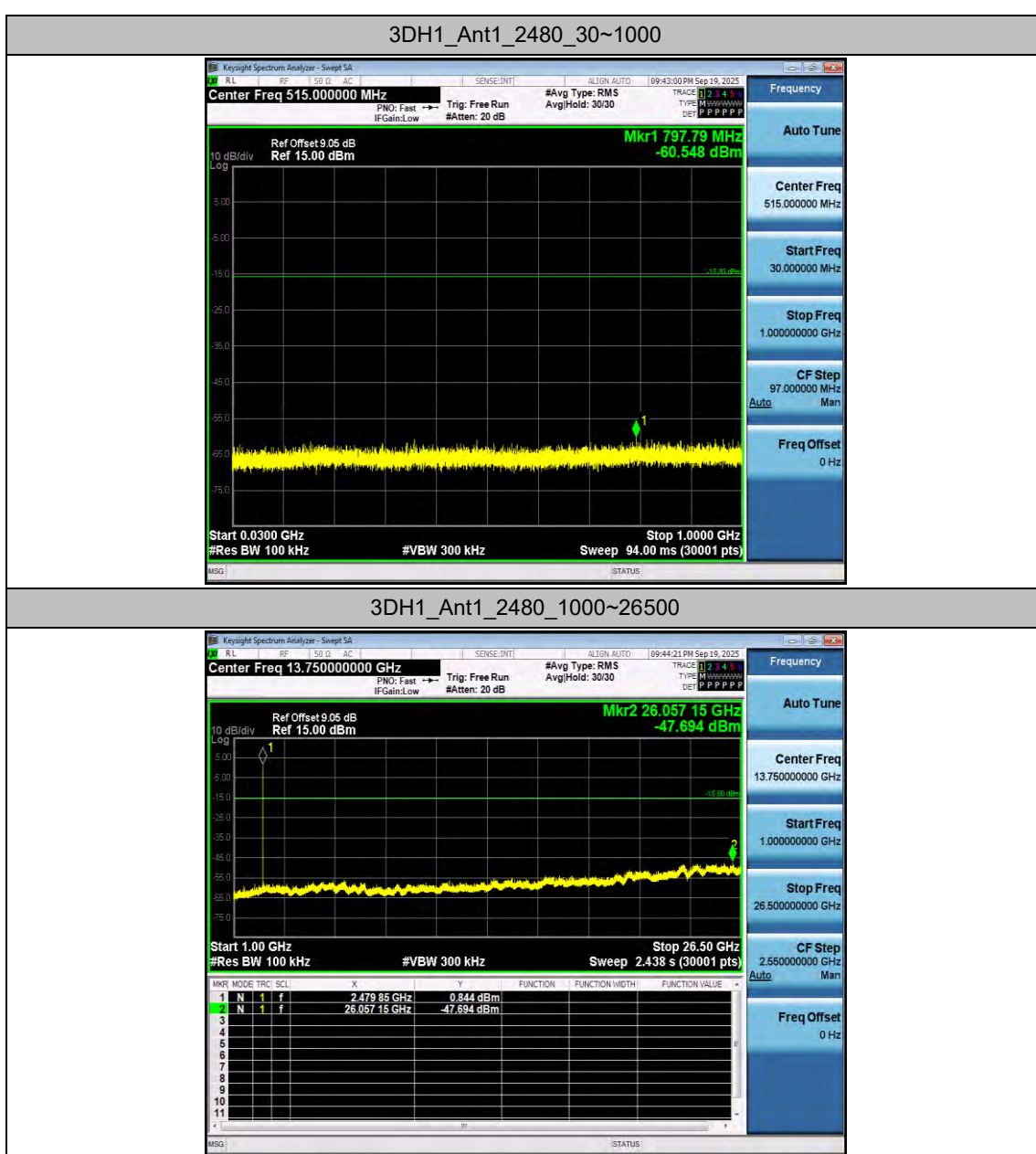


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

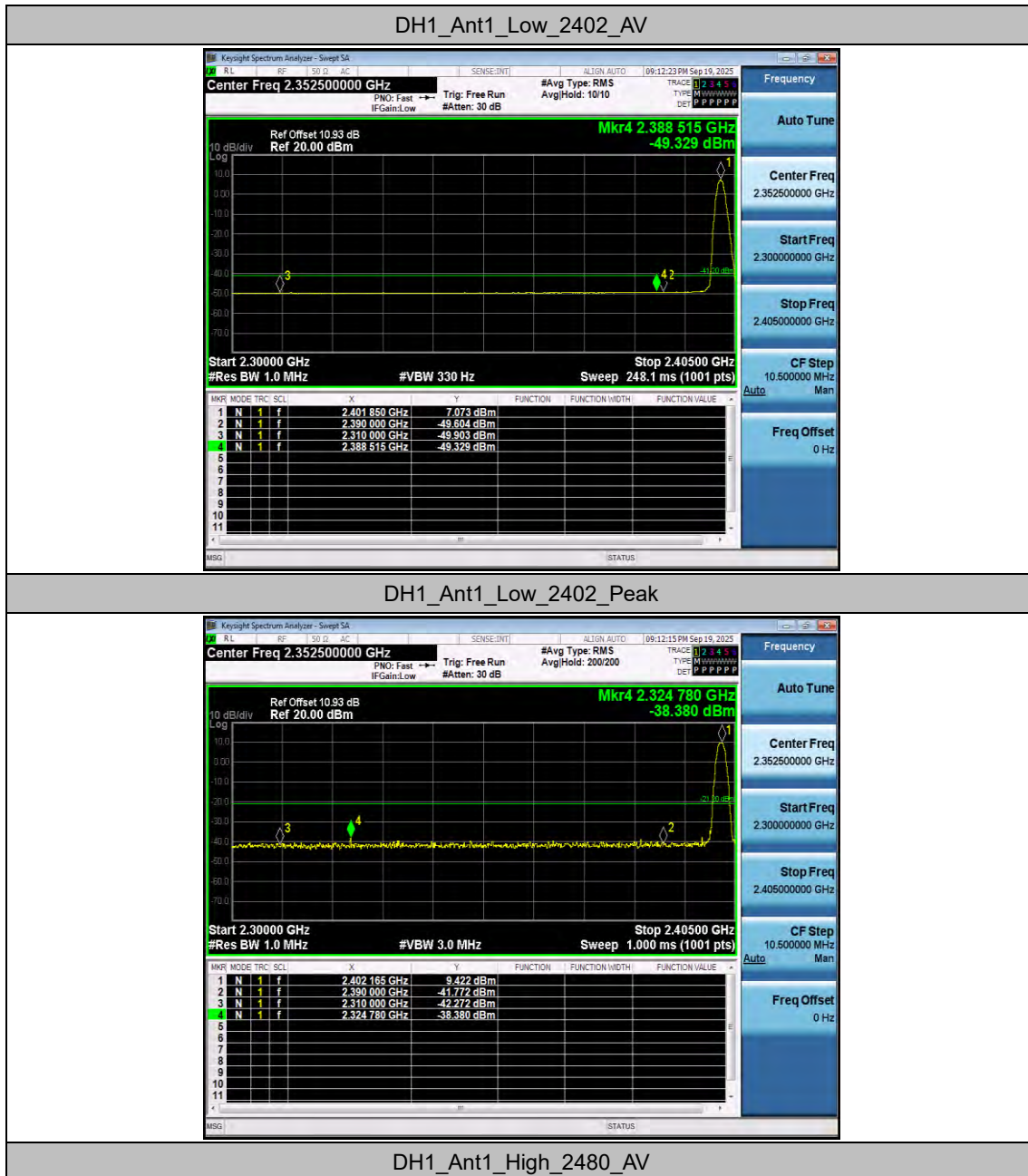
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.9	≤-41.20	45.30	≤54	PASS
				AV	2388.515	-49.33	≤-41.20	45.87	≤54	PASS
				AV	2390.000	-49.6	≤-41.20	45.60	≤54	PASS
				Peak	2310.000	-42.27	≤-21.20	52.93	≤74	PASS
				Peak	2324.780	-38.38	≤-21.20	56.82	≤74	PASS
				Peak	2390.000	-41.77	≤-21.20	53.43	≤74	PASS
		High	2480	AV	2483.500	-47.26	≤-41.20	47.94	≤54	PASS
				AV	2483.520	-47.26	≤-41.20	47.94	≤54	PASS
				AV	2500.000	-48.67	≤-41.20	46.53	≤54	PASS
				Peak	2483.500	-41.28	≤-21.20	53.92	≤74	PASS
				Peak	2484.480	-38.88	≤-21.20	56.32	≤74	PASS
				Peak	2500.000	-41.46	≤-21.20	53.74	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.47	≤-41.20	45.73	≤54	PASS
				AV	2384.420	-48.9	≤-41.20	46.30	≤54	PASS
				AV	2390.000	-49.18	≤-41.20	46.02	≤54	PASS
				Peak	2310.000	-40.88	≤-21.20	54.32	≤74	PASS
				Peak	2375.180	-39.05	≤-21.20	56.15	≤74	PASS
				Peak	2390.000	-41.03	≤-21.20	54.17	≤74	PASS
		High	2480	AV	2483.500	-47.64	≤-41.20	47.56	≤54	PASS
				AV	2483.520	-47.64	≤-41.20	47.56	≤54	PASS
				AV	2500.000	-48.71	≤-41.20	46.49	≤54	PASS
				Peak	2483.500	-40.58	≤-21.20	54.62	≤74	PASS
				Peak	2489.760	-39.11	≤-21.20	56.09	≤74	PASS
				Peak	2500.000	-40.29	≤-21.20	54.91	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.39	≤-41.20	45.81	≤54	PASS
				AV	2388.305	-48.88	≤-41.20	46.32	≤54	PASS
				AV	2390.000	-49.02	≤-41.20	46.18	≤54	PASS
				Peak	2310.000	-41.76	≤-21.20	53.44	≤74	PASS
				Peak	2363.210	-39.27	≤-21.20	55.93	≤74	PASS
				Peak	2390.000	-41.11	≤-21.20	54.09	≤74	PASS
		High	2480	AV	2483.500	-47.63	≤-41.20	47.57	≤54	PASS
				AV	2483.520	-47.62	≤-41.20	47.58	≤54	PASS
				AV	2500.000	-48.6	≤-41.20	46.60	≤54	PASS
				Peak	2483.500	-40.68	≤-21.20	54.52	≤74	PASS
				Peak	2484.800	-38.46	≤-21.20	56.74	≤74	PASS

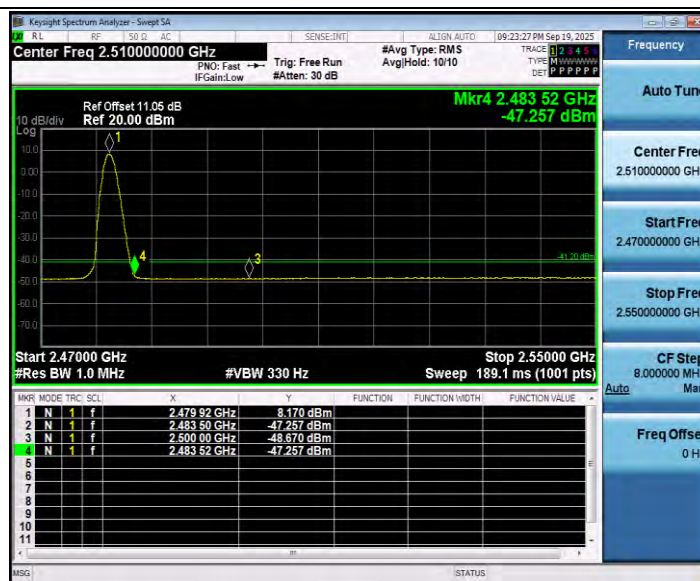
				Peak	2500.000	-40.5	≤ -21.20	54.70	≤ 74	PASS
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Note:

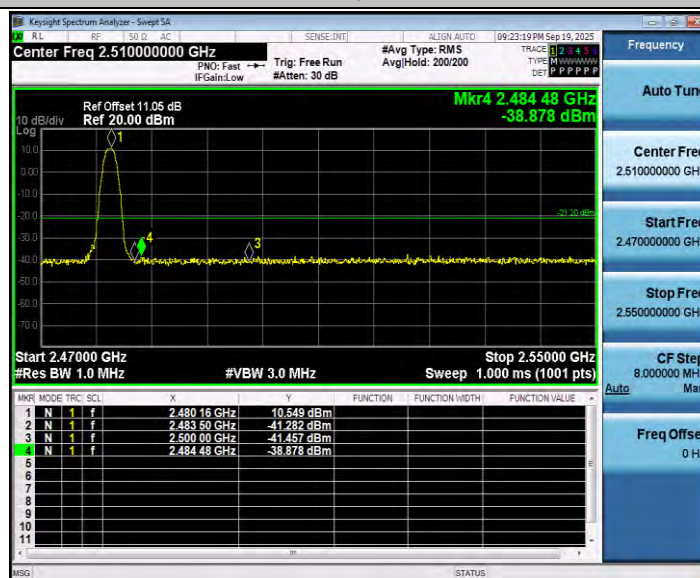
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

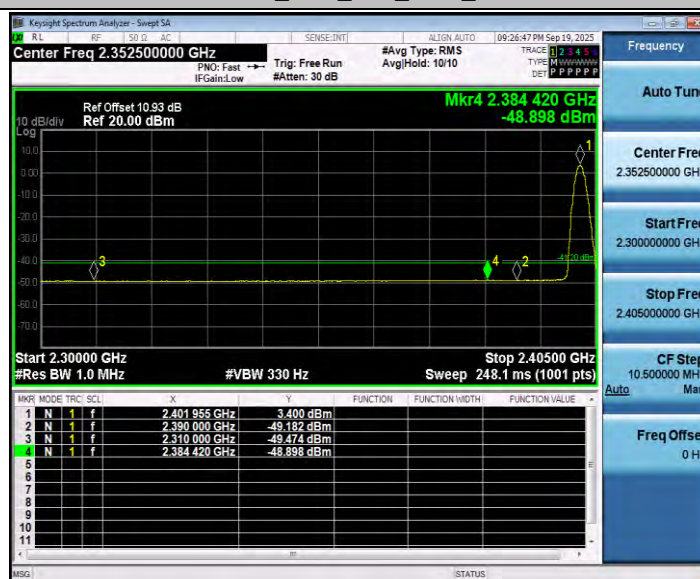




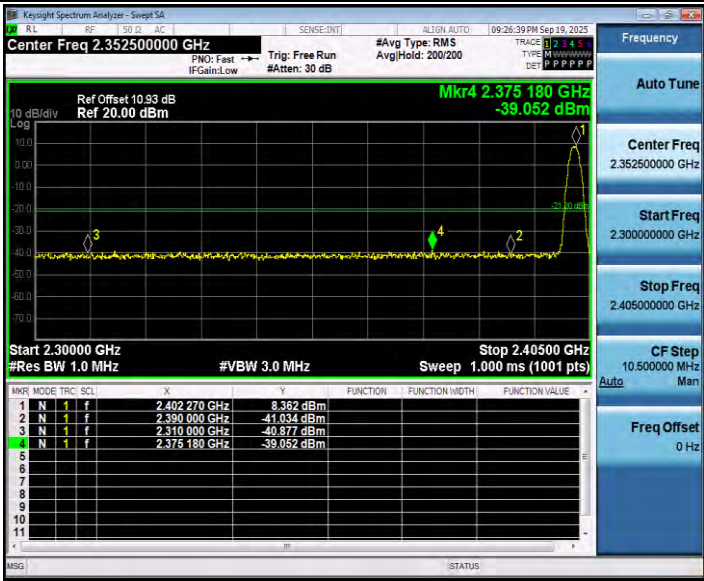
DH1_Ant1_High_2480_Peak



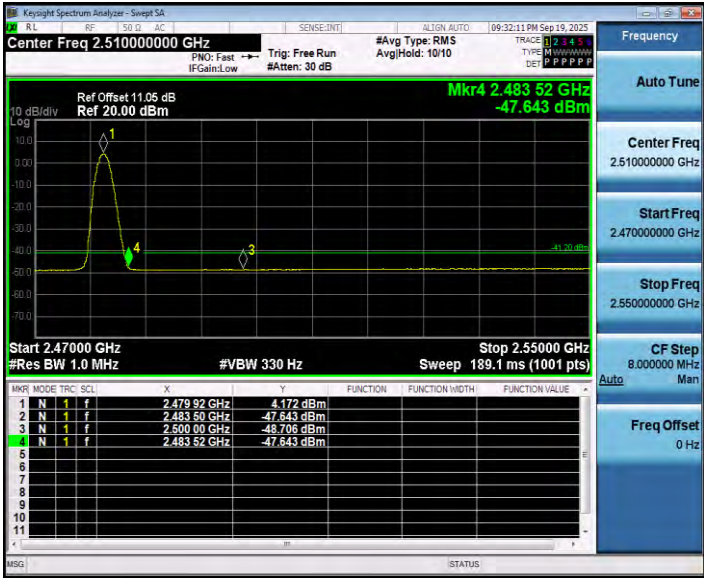
2DH1_Ant1_Low_2402_AV



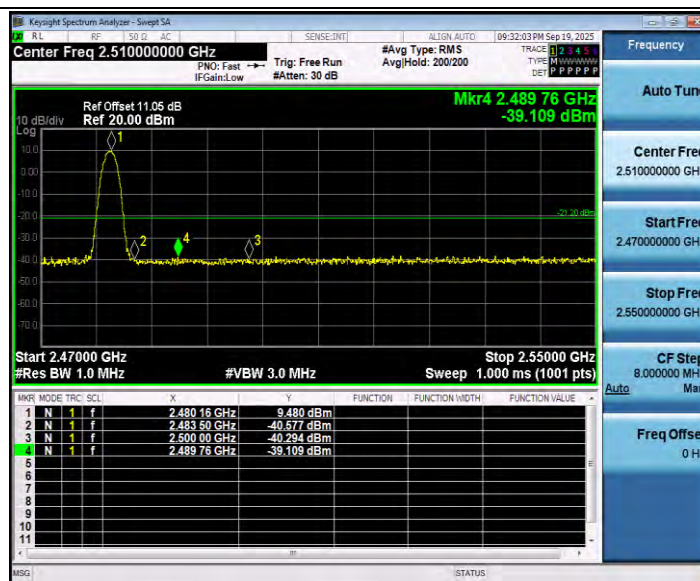
2DH1_Ant1_Low_2402_Peak



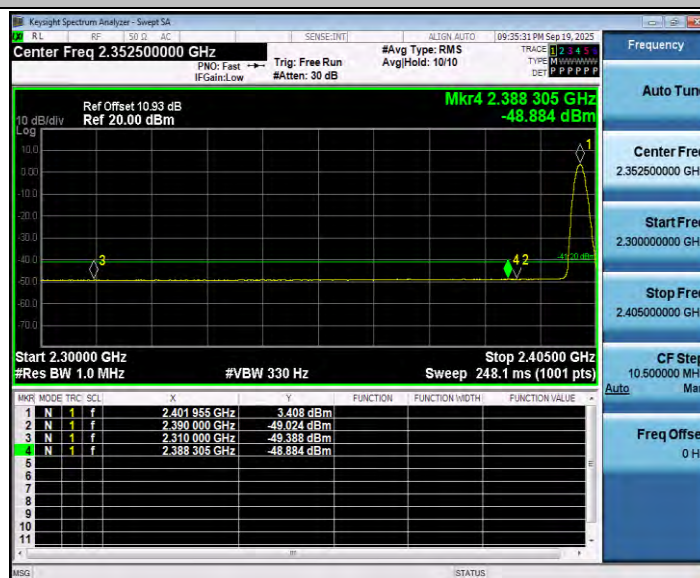
2DH1_Ant1_High_2480_AV



2DH1_Ant1_High_2480_Peak



3DH1_Ant1_Low_2402_AV



3DH1_Ant1_Low_2402_Peak

