

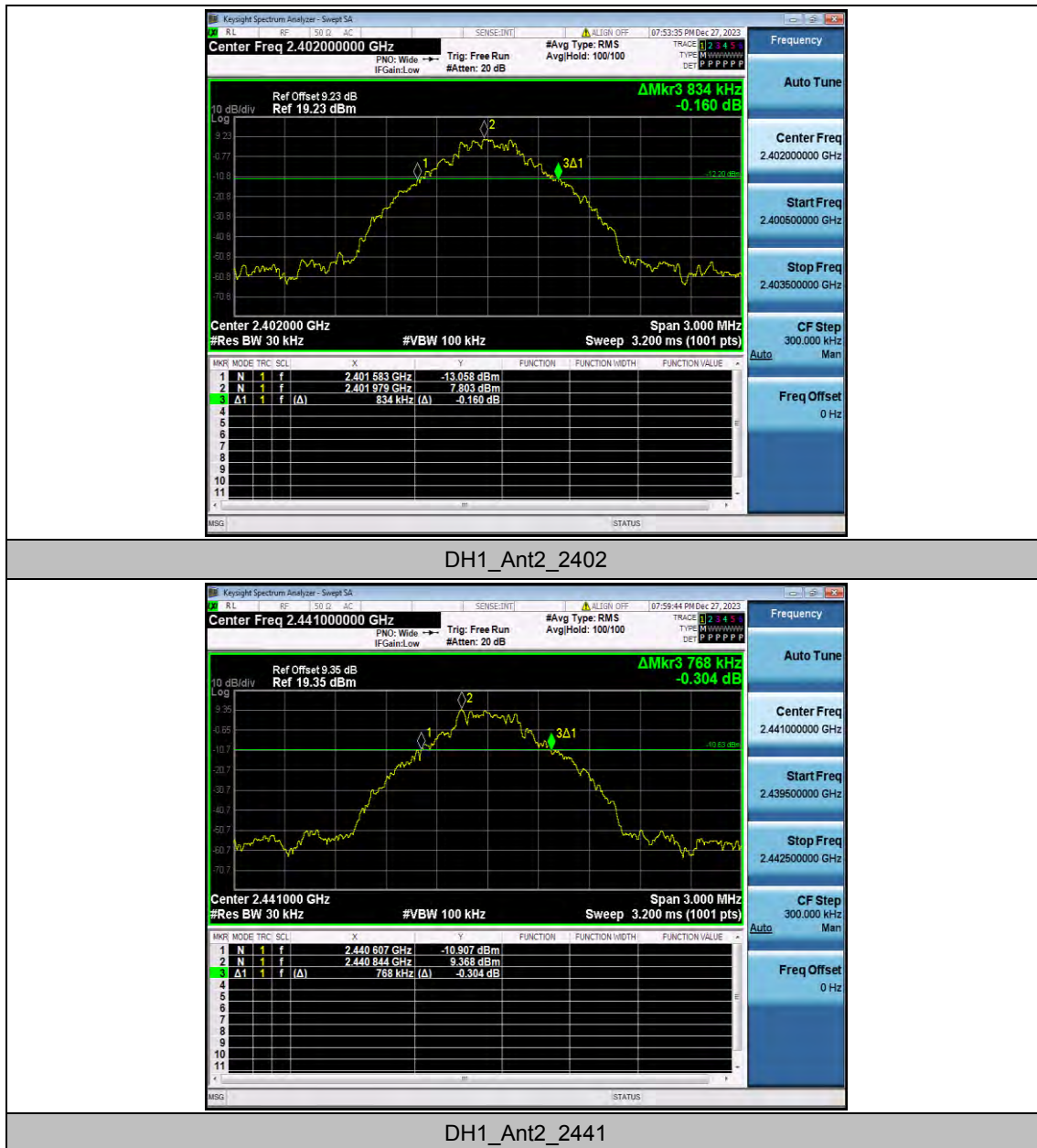
Case No. : <u>GTS20231018011-1-38</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.18</u>	Test Engineer: <u>Evan ouyang</u>

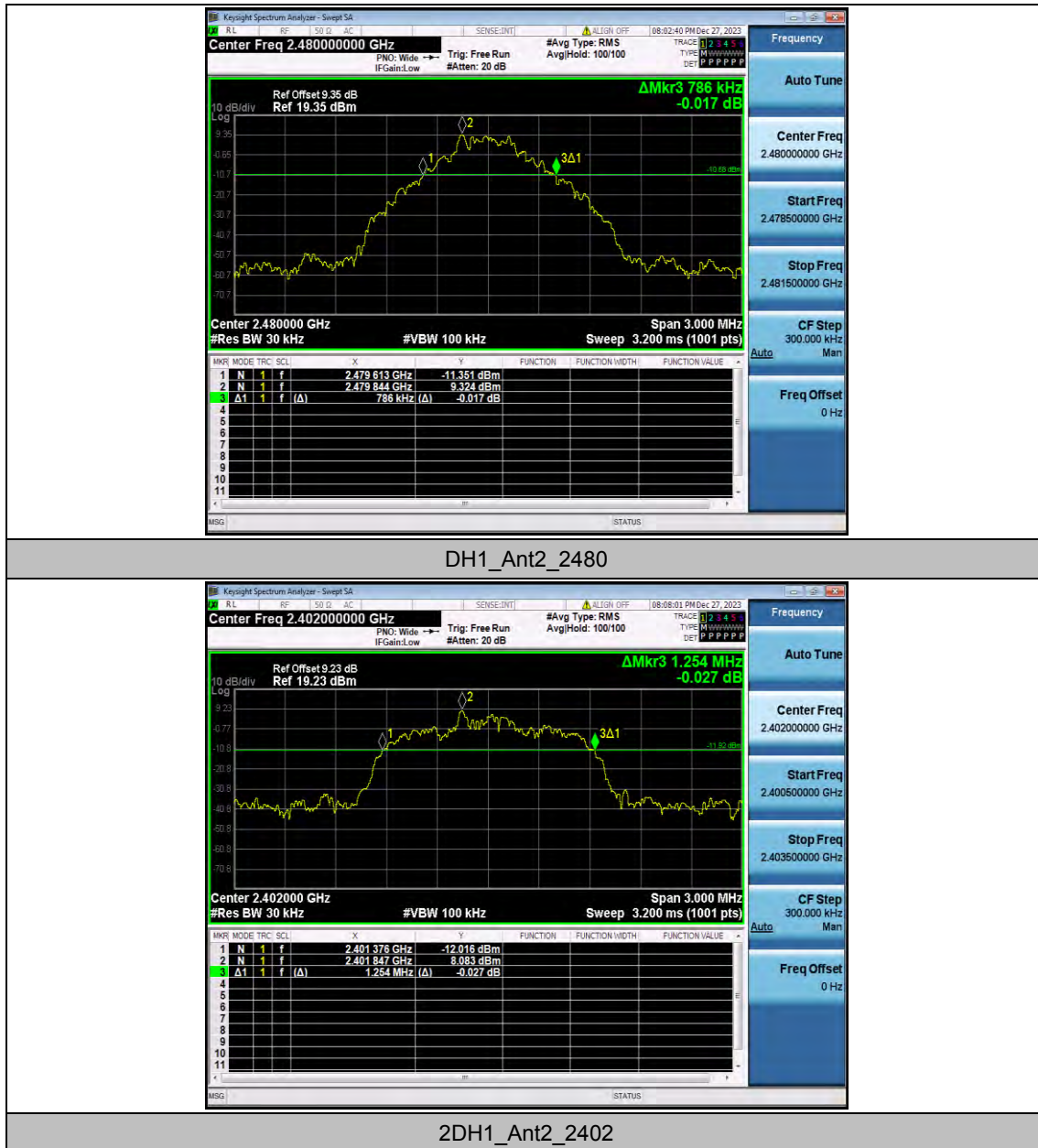
Appendix A.1: 20dB Emission Bandwidth

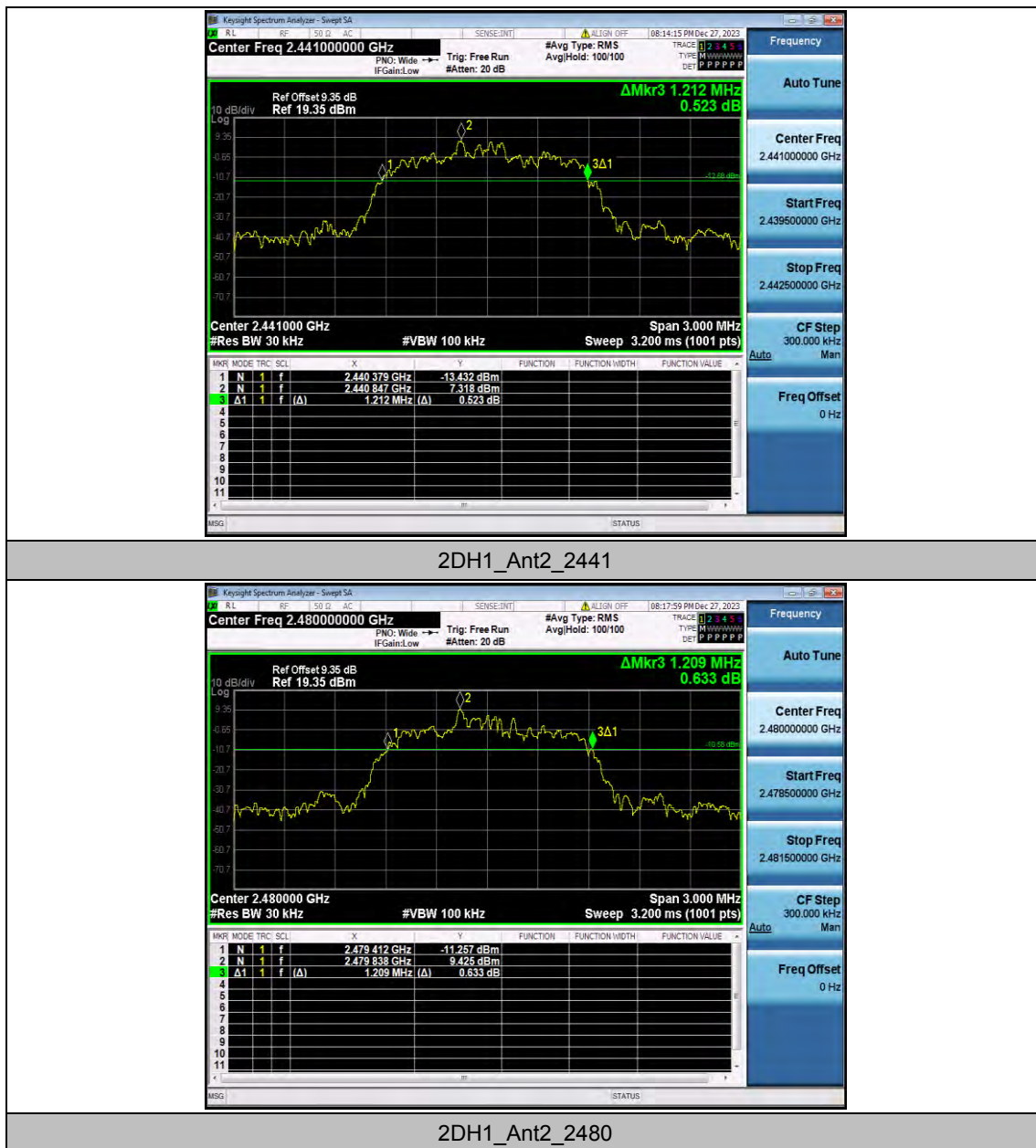
Test Result

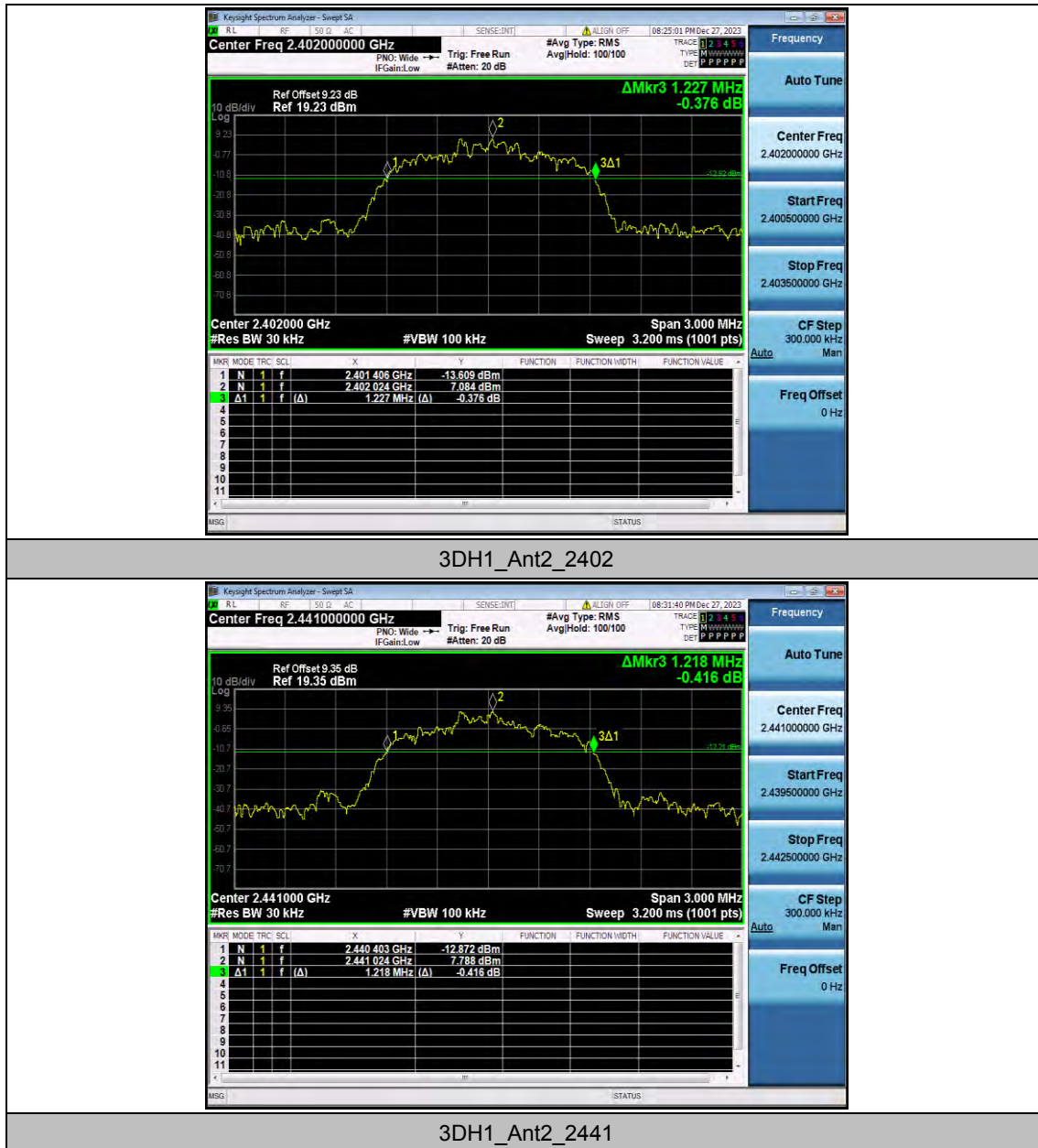
Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant2	2402	0.834	2401.583	2402.417	---	---
		2441	0.768	2440.607	2441.375	---	---
		2480	0.786	2479.613	2480.399	---	---
2DH1	Ant2	2402	1.254	2401.376	2402.630	---	---
		2441	1.212	2440.379	2441.591	---	---
		2480	1.209	2479.412	2480.621	---	---
3DH1	Ant2	2402	1.227	2401.406	2402.633	---	---
		2441	1.218	2440.403	2441.621	---	---
		2480	1.206	2479.418	2480.624	---	---

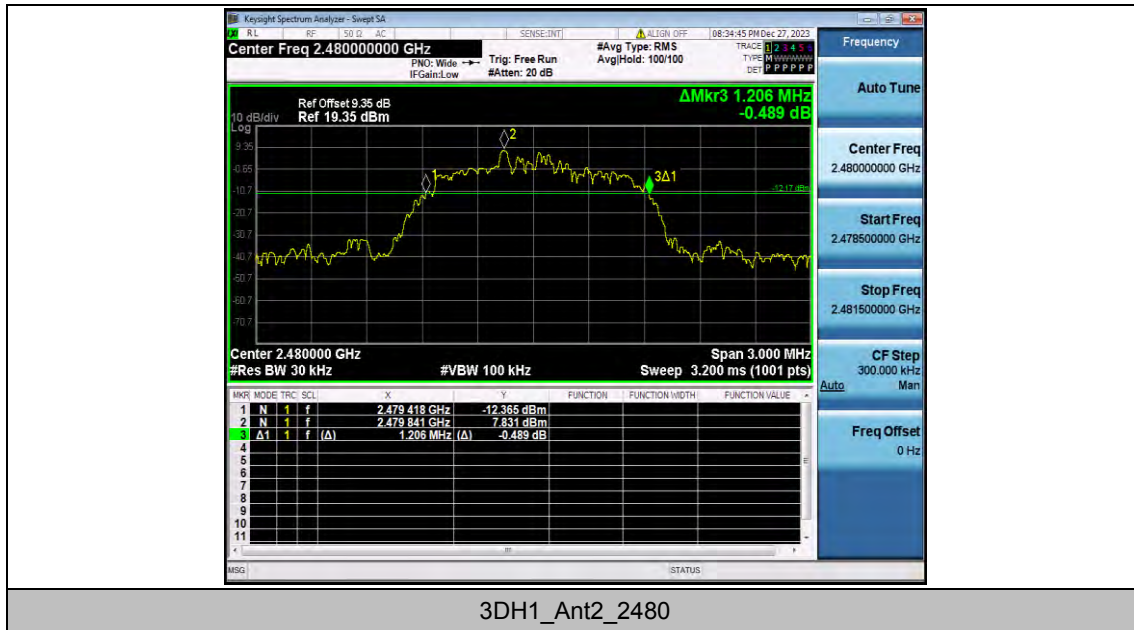
Test Graphs









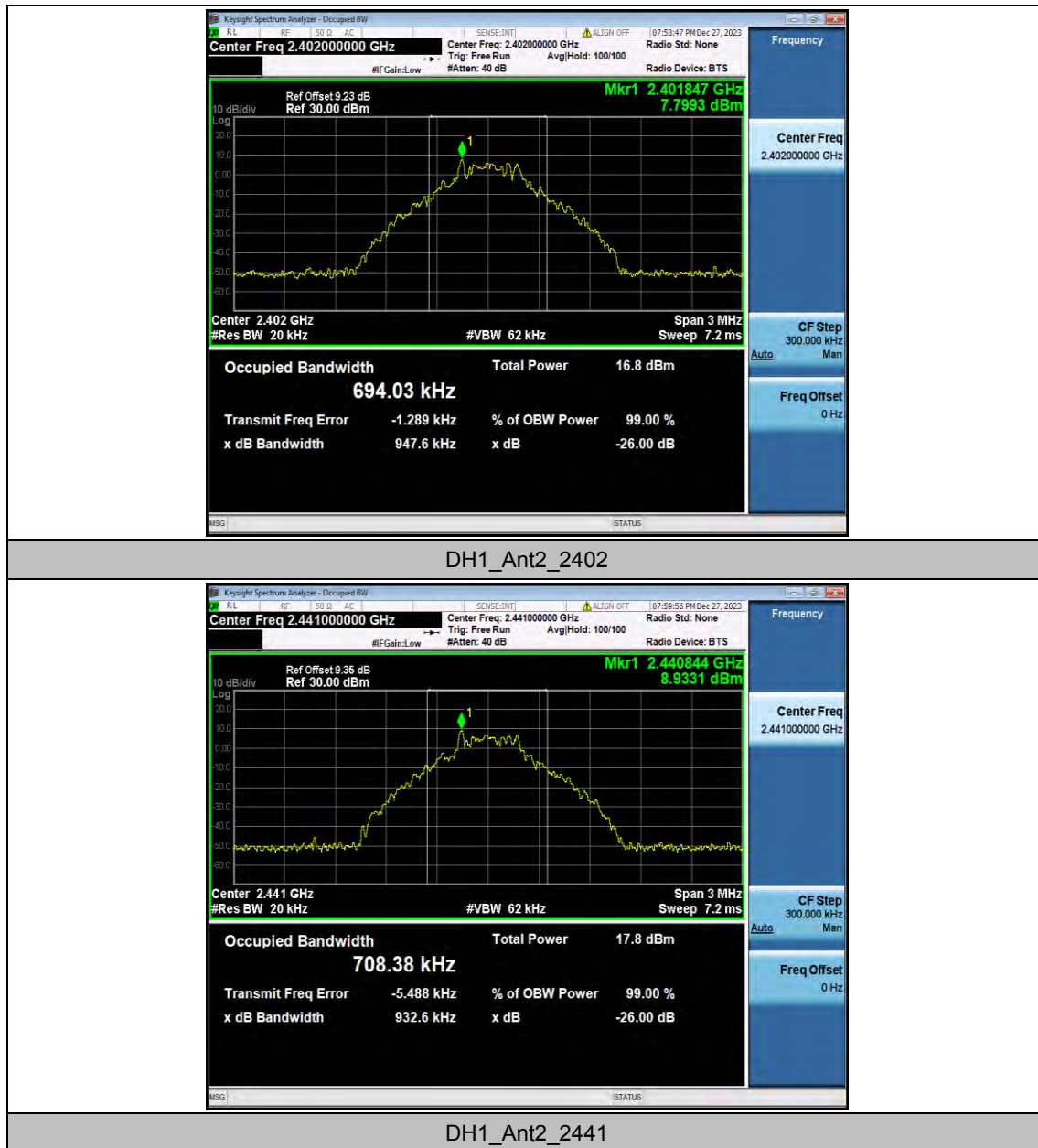


Appendix A.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant2	2402	0.69403	2401.652	2402.346	---	---
		2441	0.70838	2440.640	2441.349	---	---
		2480	0.72022	2479.634	2480.355	---	---
2DH1	Ant2	2402	1.1401	2401.424	2402.564	---	---
		2441	1.1325	2440.438	2441.570	---	---
		2480	1.1468	2479.423	2480.570	---	---
3DH1	Ant2	2402	1.1330	2401.446	2402.579	---	---
		2441	1.1330	2440.445	2441.578	---	---
		2480	1.1311	2479.447	2480.578	---	---

Test Graphs





DH1_Ant2_2480



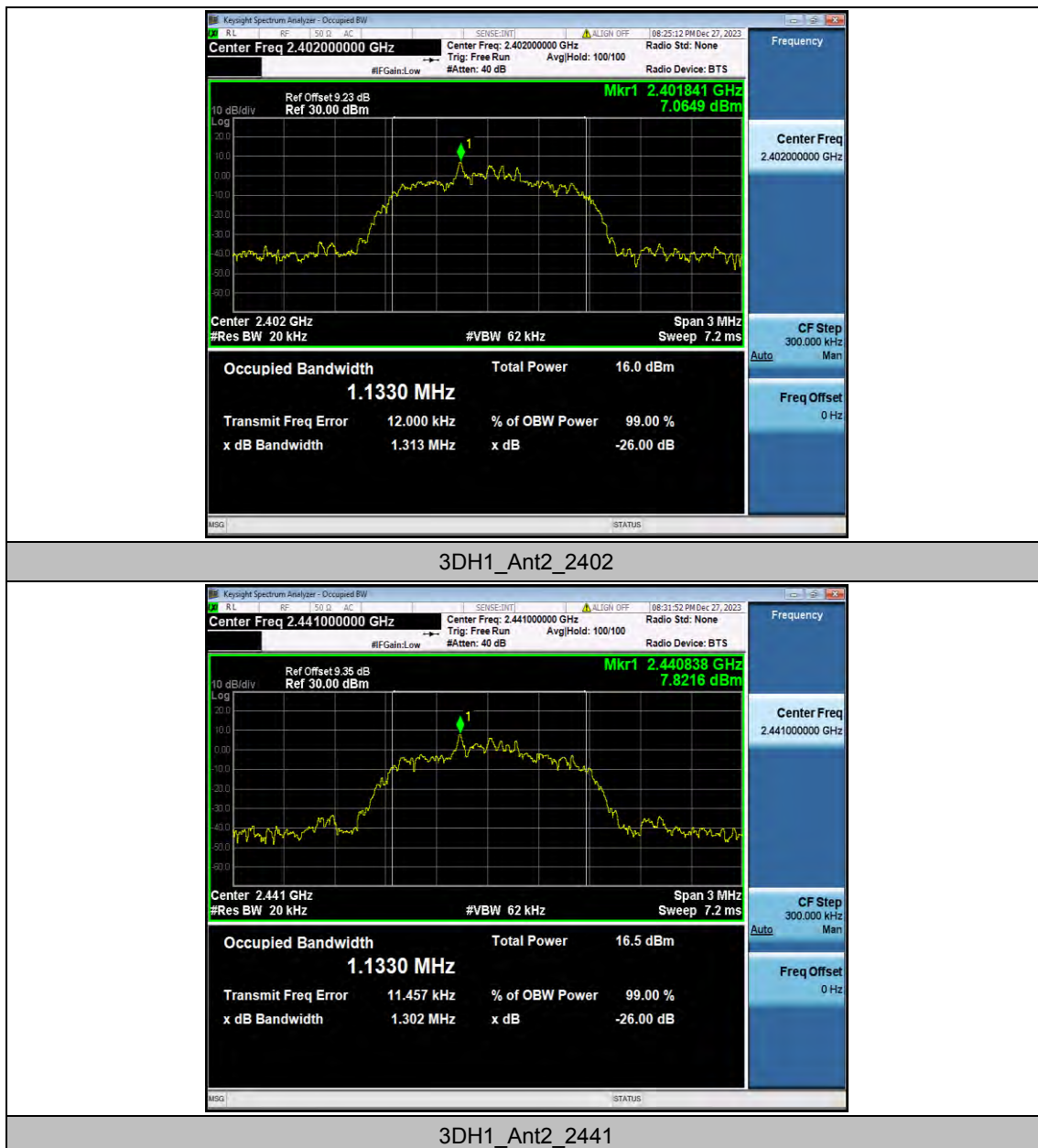
2DH1_Ant2_2402

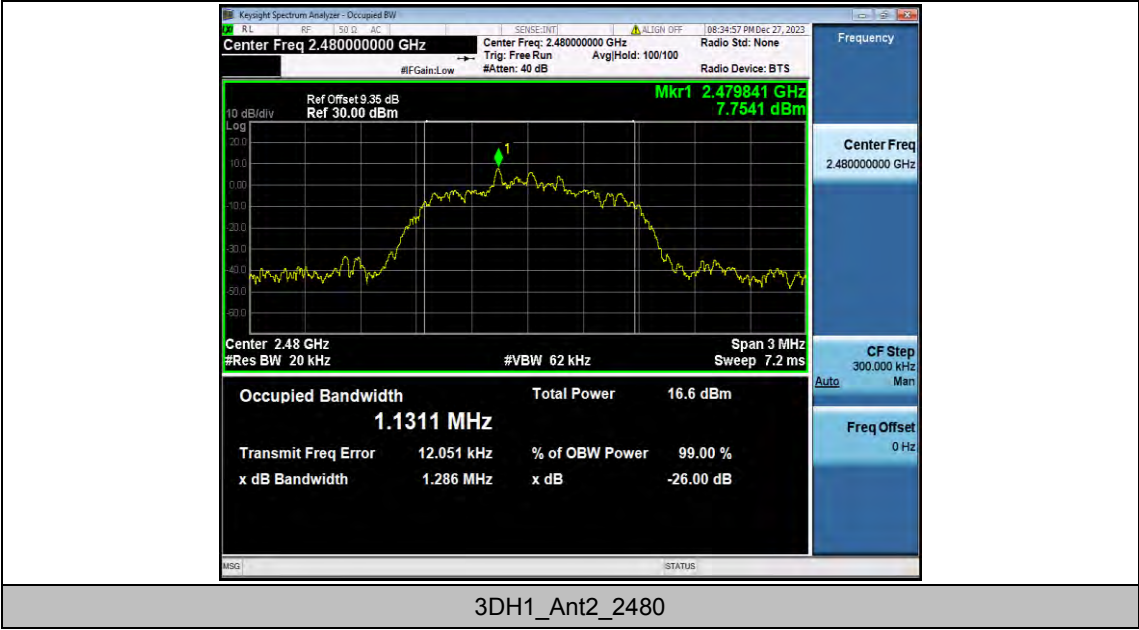


2DH1_Ant2_2441



2DH1_Ant2_2480





3DH1_Ant2_2480

Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant2	2402	10.99	≤30.00	PASS
		2441	11.83	≤30.00	PASS
		2480	11.66	≤30.00	PASS
2DH1	Ant2	2402	10.92	≤20.97	PASS
		2441	11.71	≤20.97	PASS
		2480	11.55	≤20.97	PASS
3DH1	Ant2	2402	11	≤20.97	PASS
		2441	11.84	≤20.97	PASS
		2480	11.76	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant2	Hop_2402	1.008	≥ 0.834	PASS
		Hop_2441	0.974	≥ 0.834	PASS
		Hop_2480	1.002	≥ 0.834	PASS
2DH1	Ant2	Hop_2402	1.162	≥ 0.836	PASS
		Hop_2441	0.998	≥ 0.836	PASS
		Hop_2480	1.004	≥ 0.836	PASS
3DH1	Ant2	Hop_2402	1.002	≥ 0.818	PASS
		Hop_2441	0.994	≥ 0.818	PASS
		Hop_2480	0.972	≥ 0.818	PASS

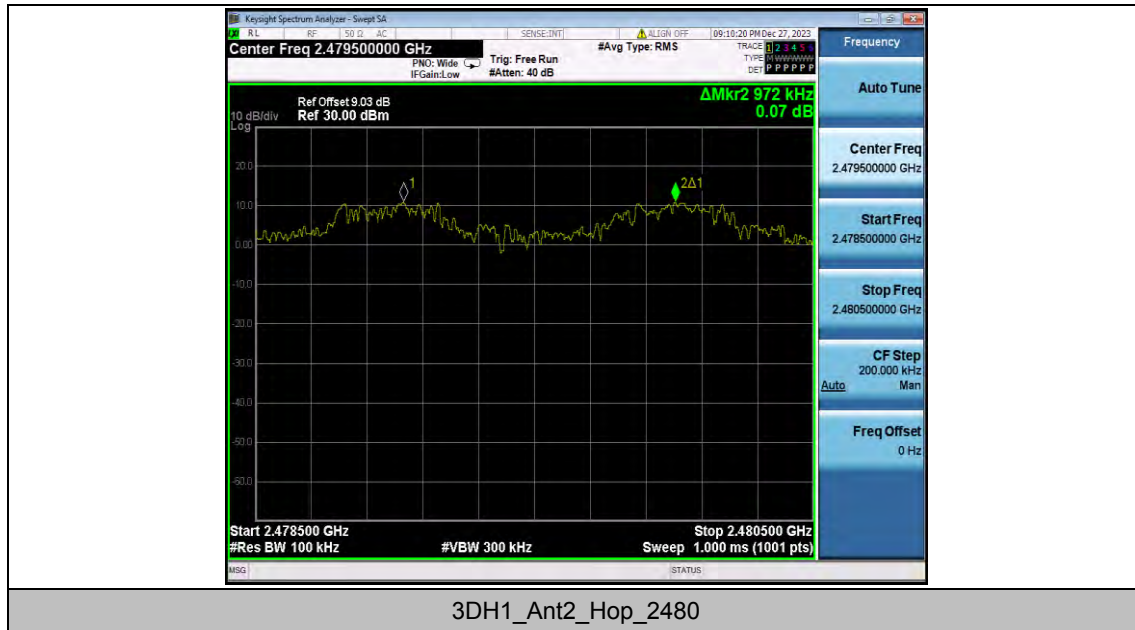
Test Graphs









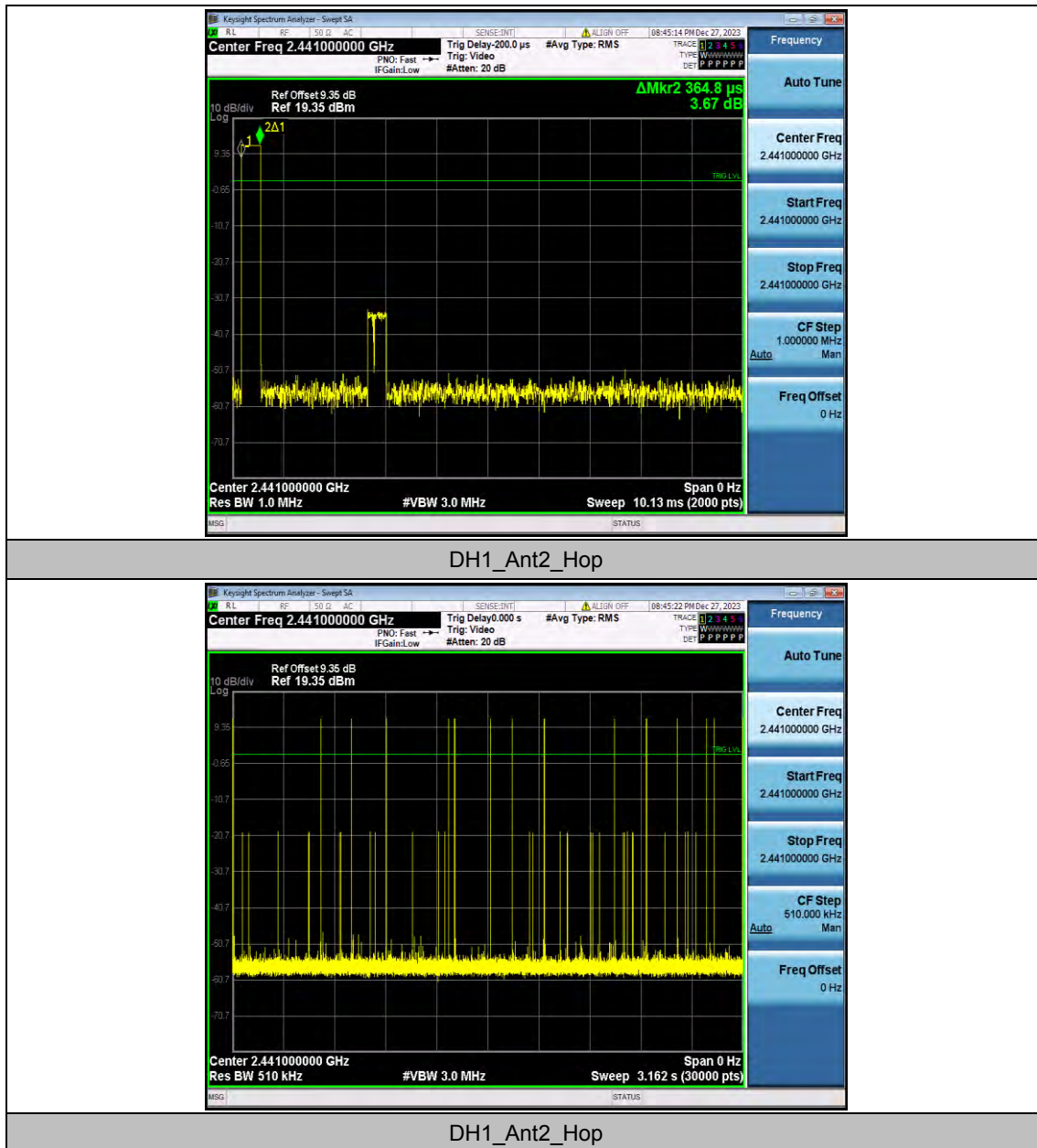


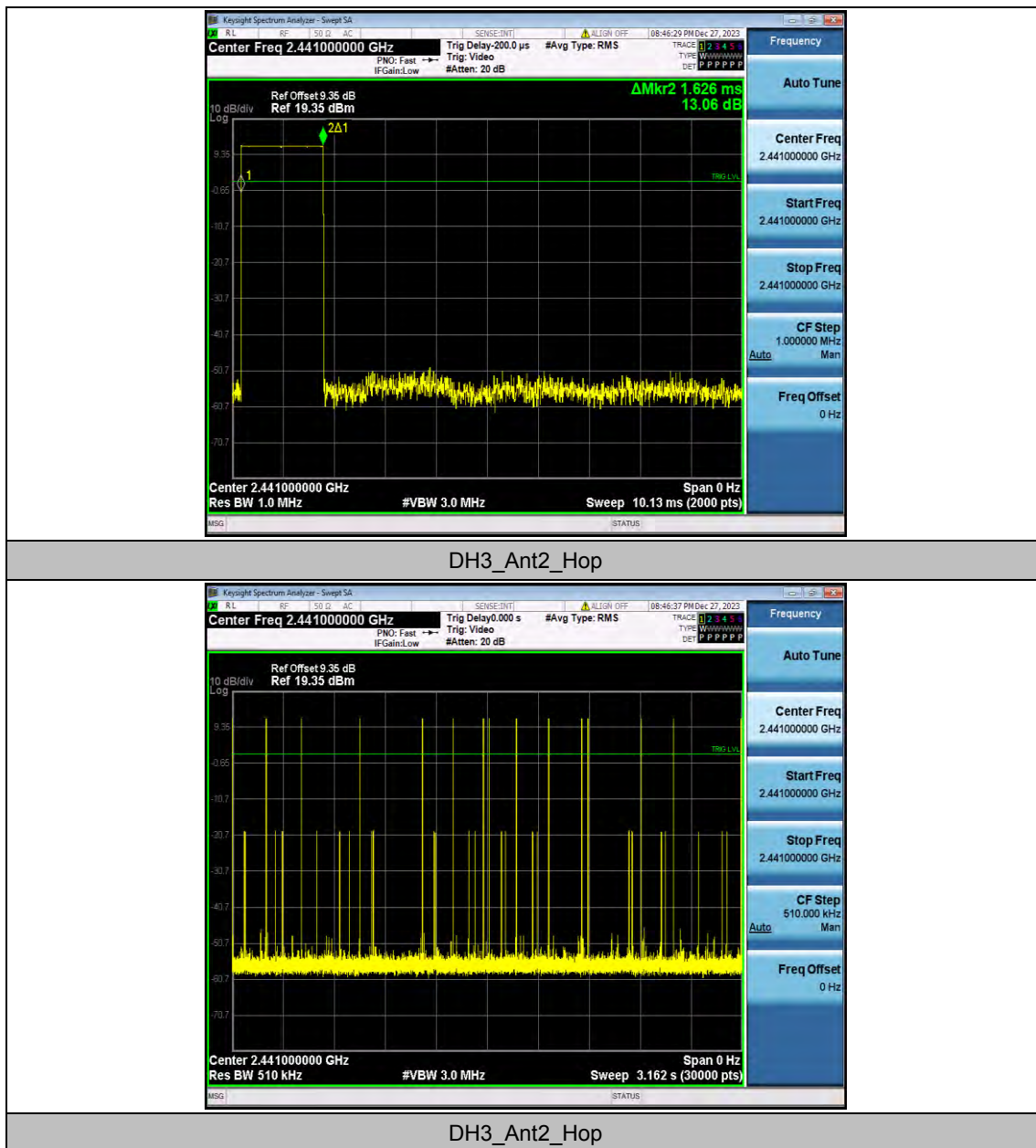
Appendix A.5: Time of occupancy

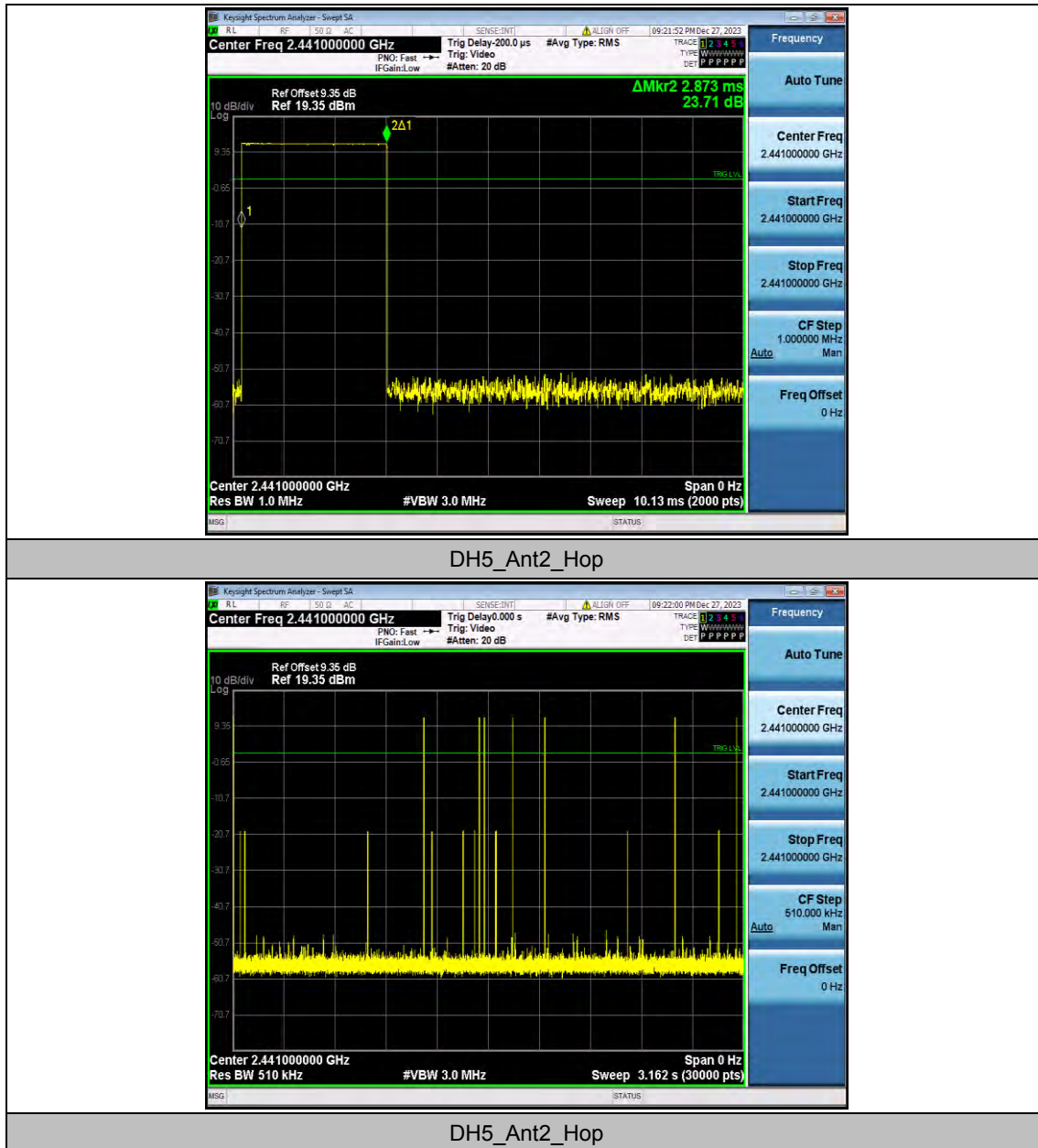
Test Result

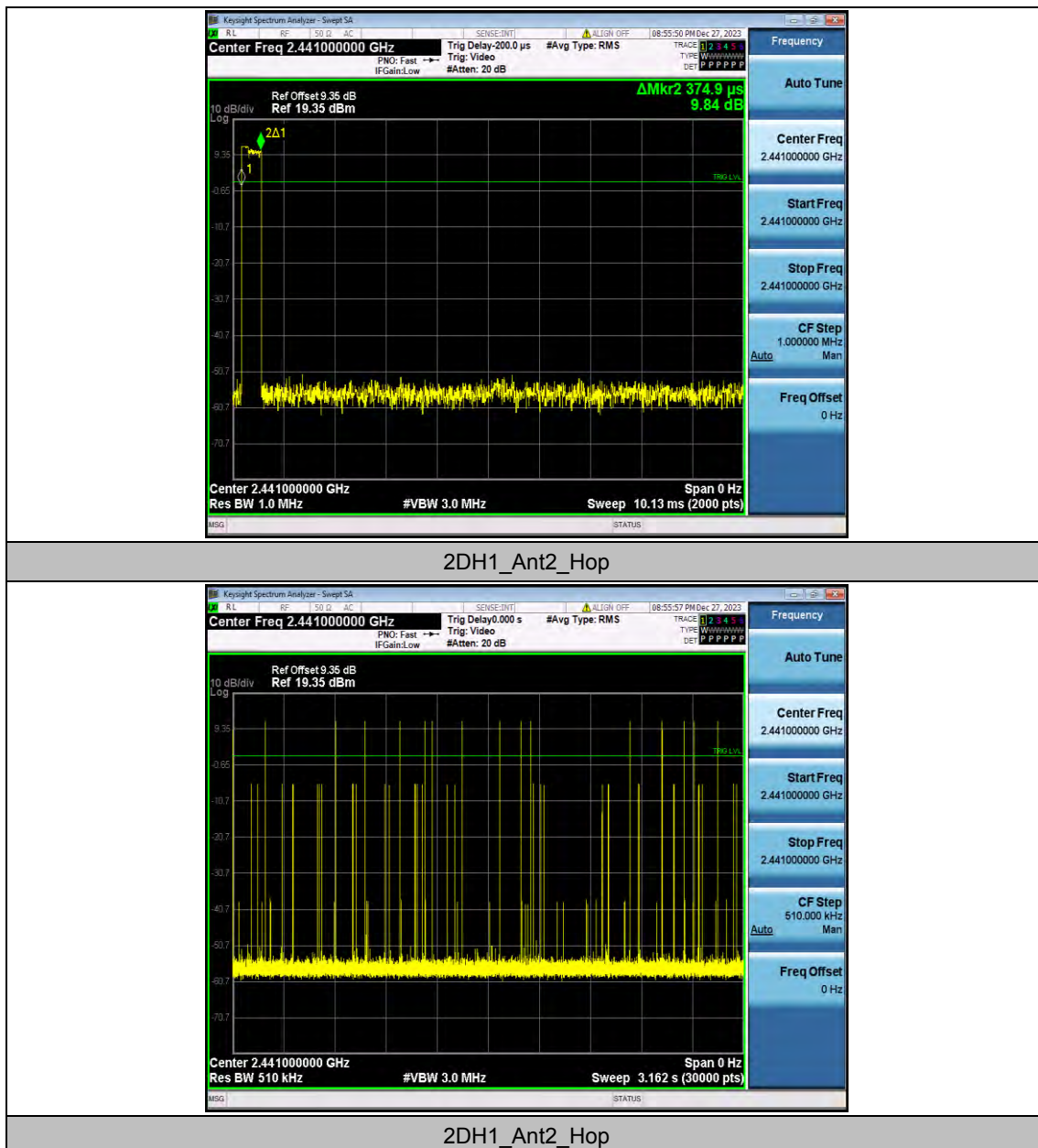
Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant2	Hop	0.36	150	0.055	≤0.4	PASS
DH3	Ant2	Hop	1.63	150	0.244	≤0.4	PASS
DH5	Ant2	Hop	2.87	80	0.23	≤0.4	PASS
2DH1	Ant2	Hop	0.37	160	0.06	≤0.4	PASS
2DH3	Ant2	Hop	1.63	150	0.244	≤0.4	PASS
2DH5	Ant2	Hop	2.88	90	0.259	≤0.4	PASS
3DH1	Ant2	Hop	0.37	130	0.048	≤0.4	PASS
3DH3	Ant2	Hop	1.63	170	0.276	≤0.4	PASS
3DH5	Ant2	Hop	2.88	90	0.259	≤0.4	PASS

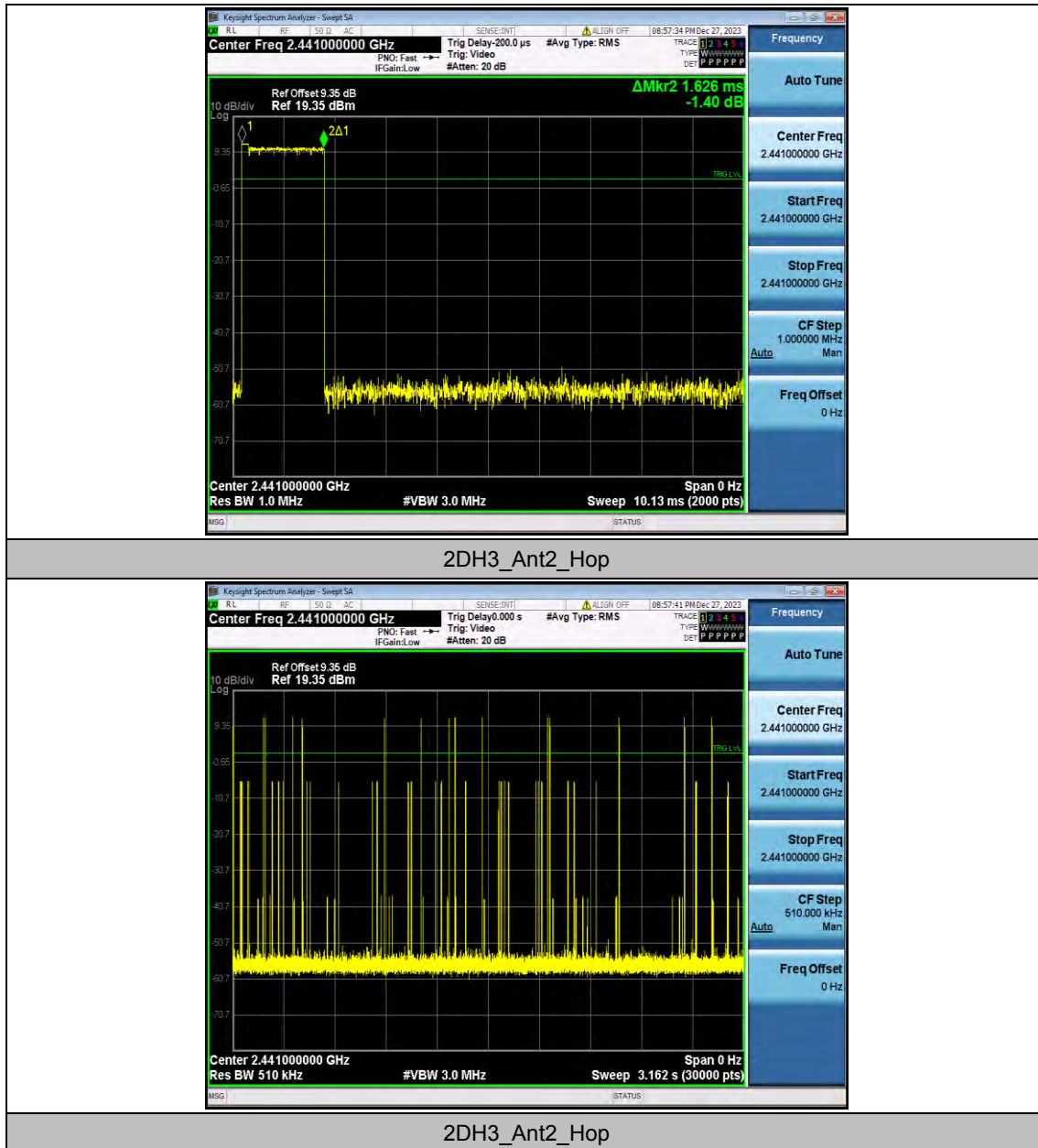
Test Graphs

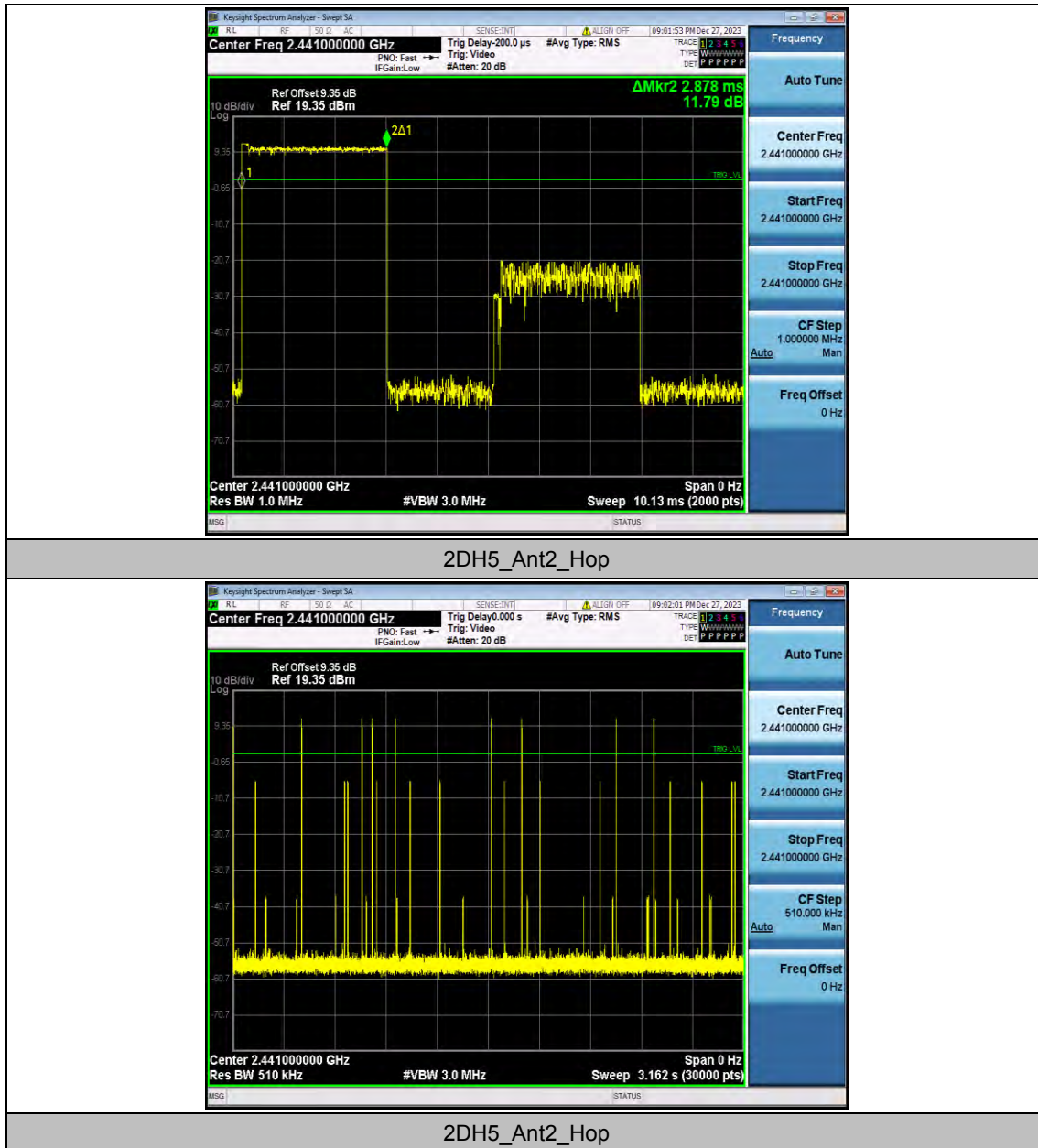


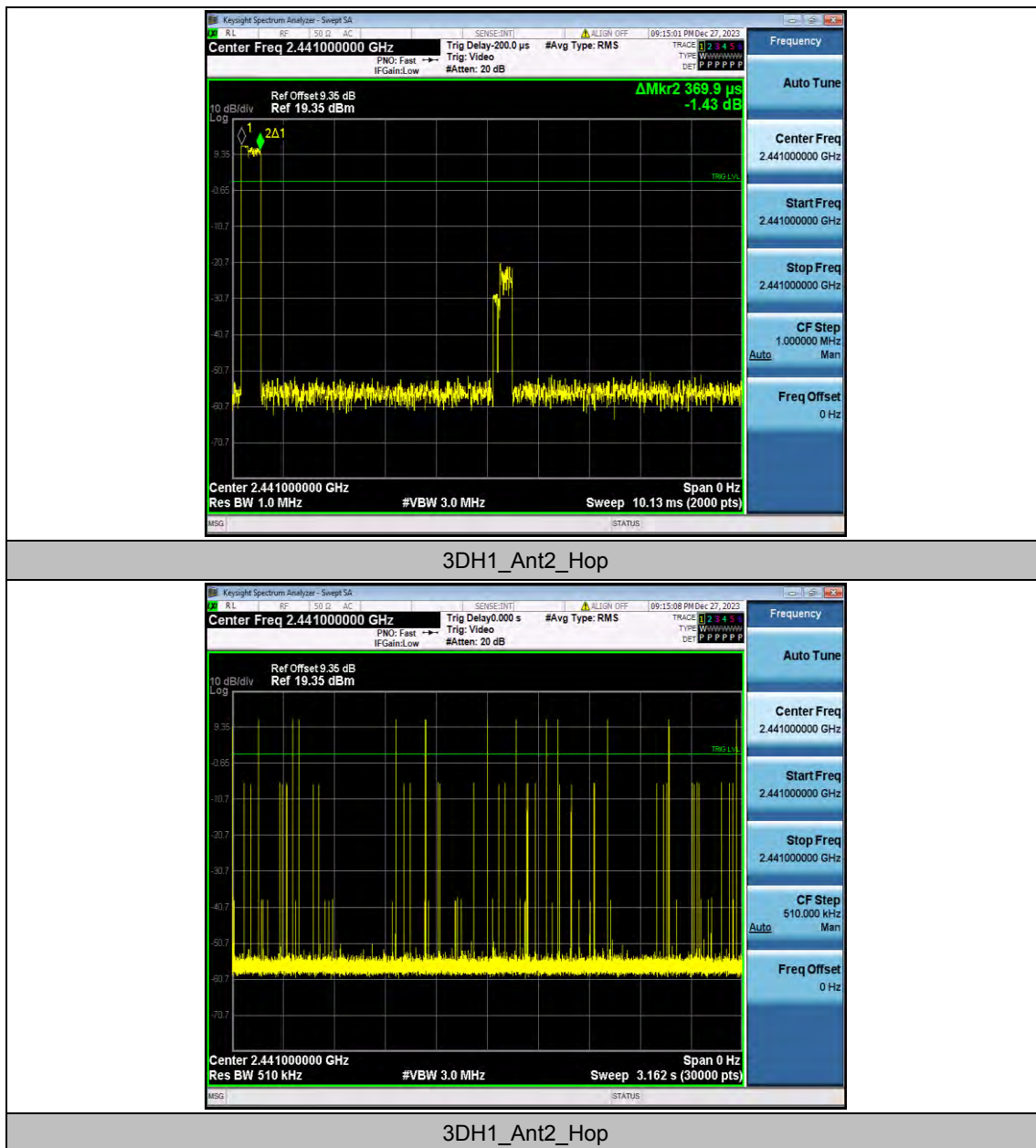


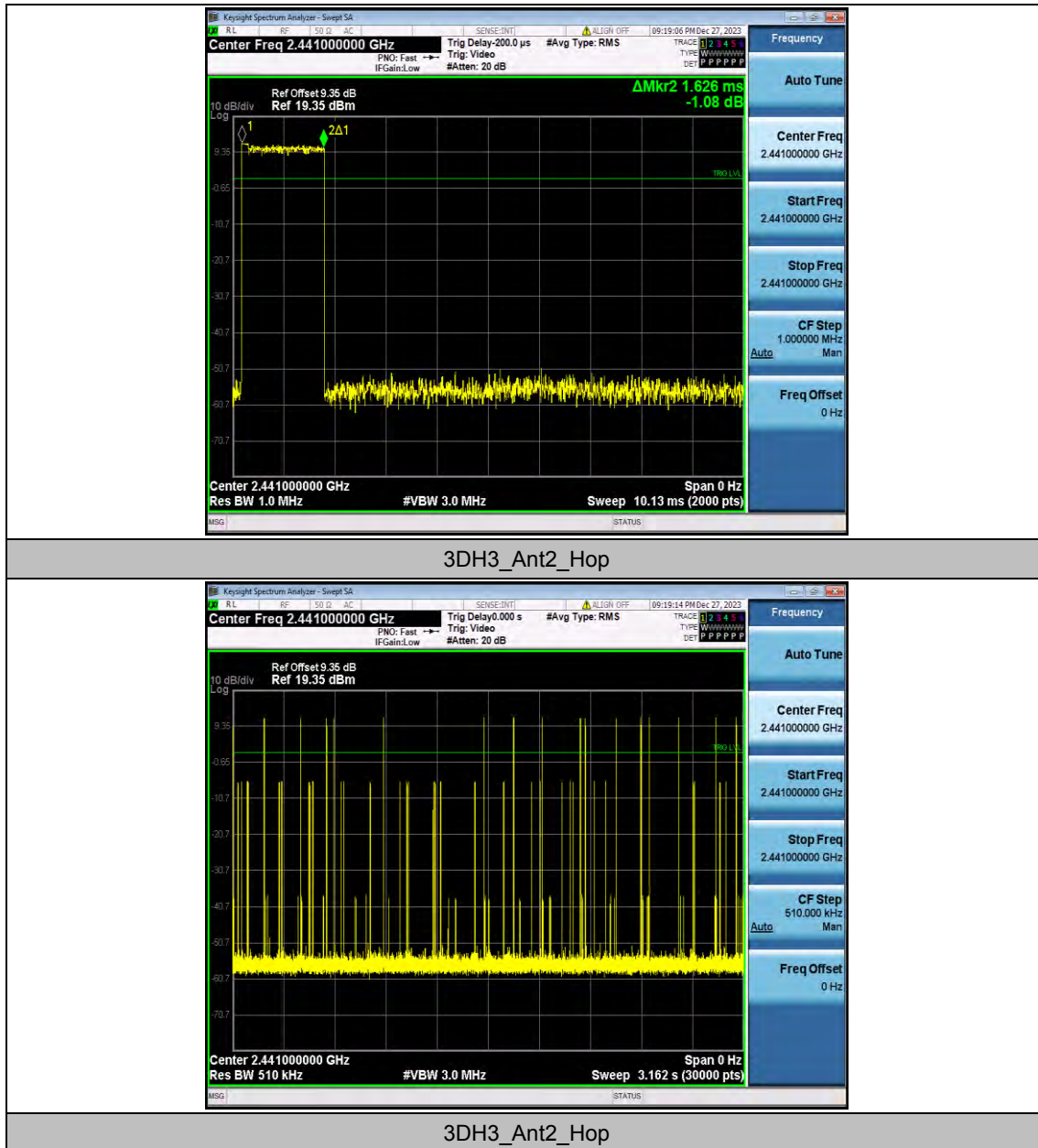


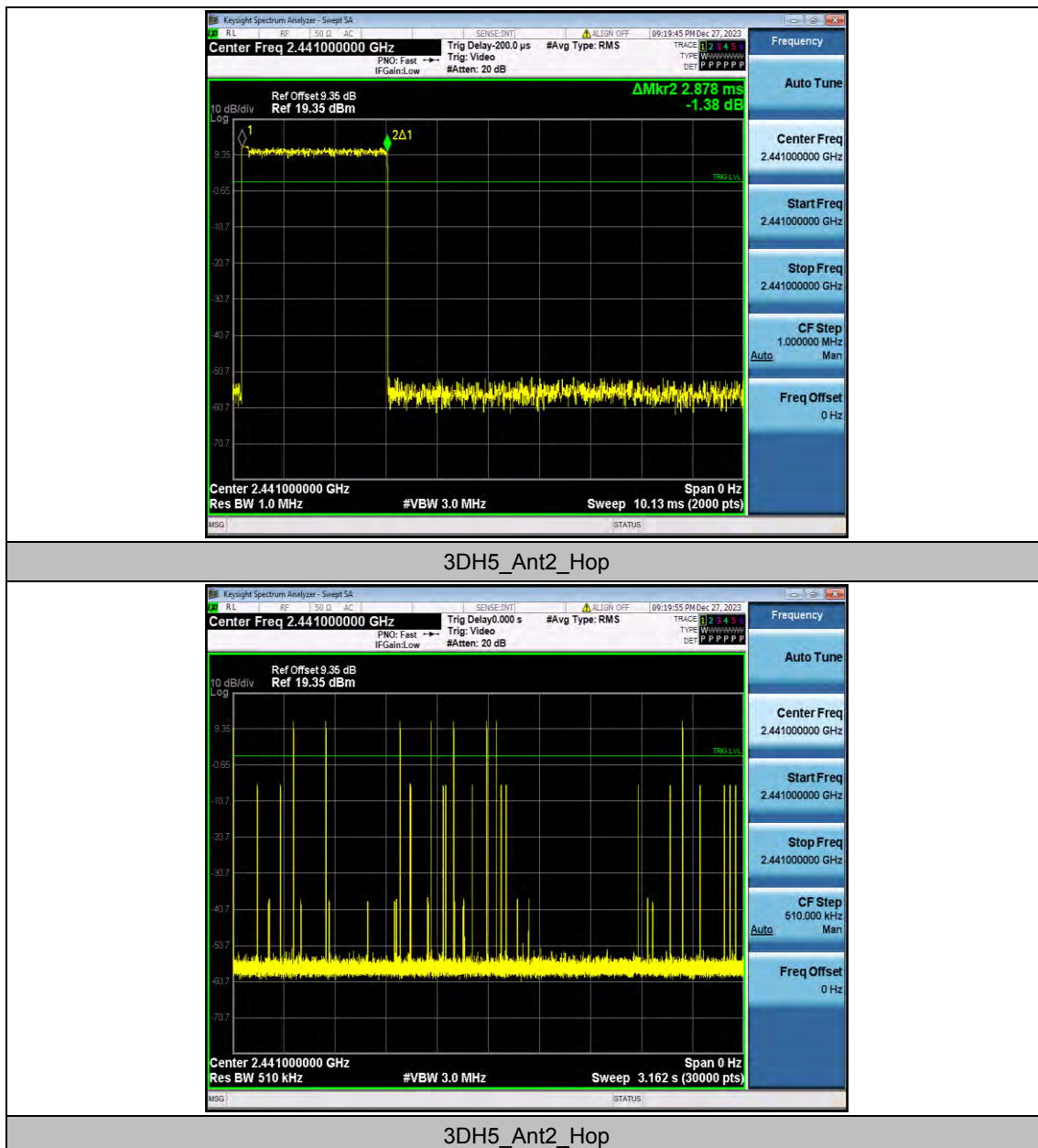










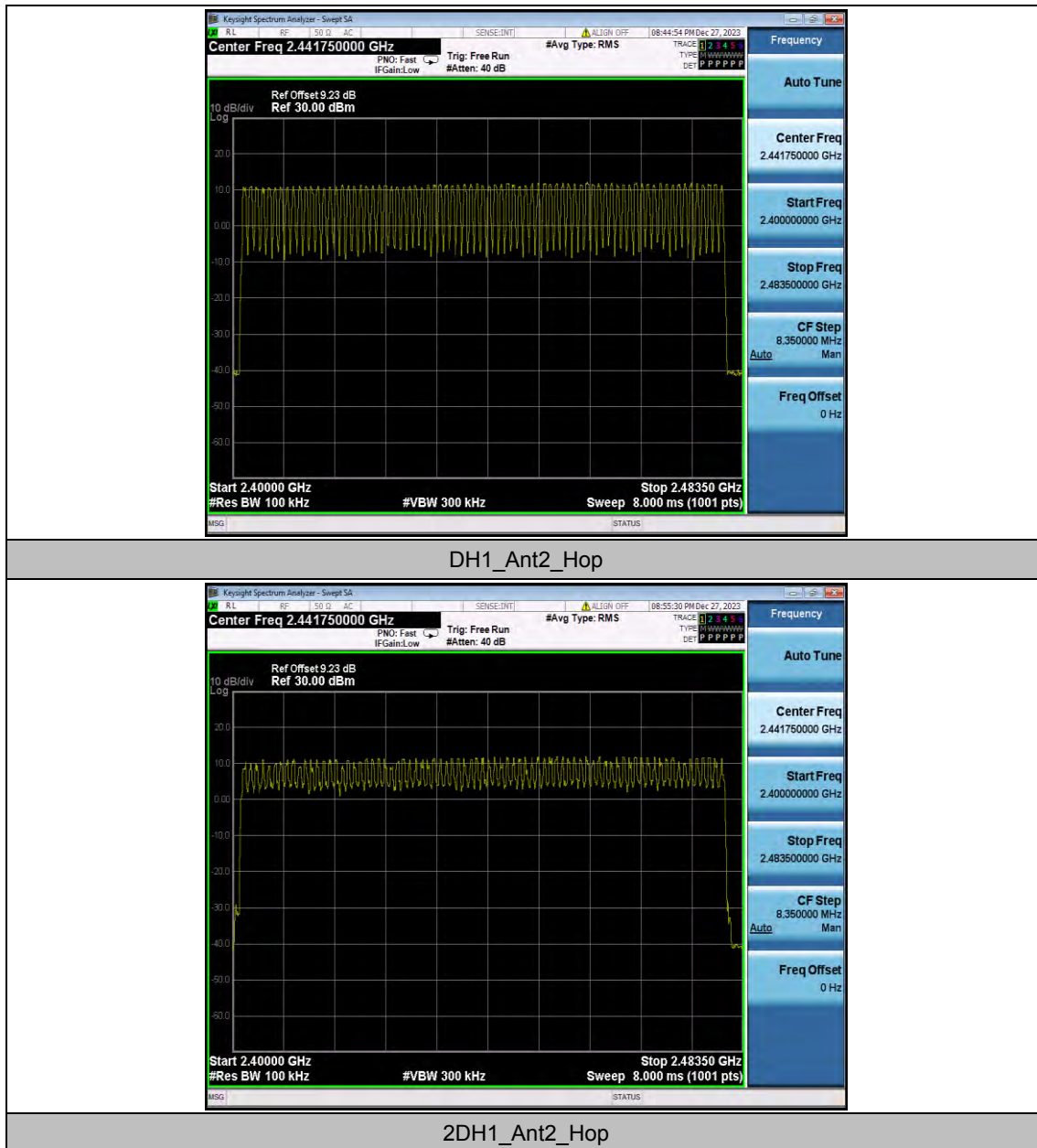


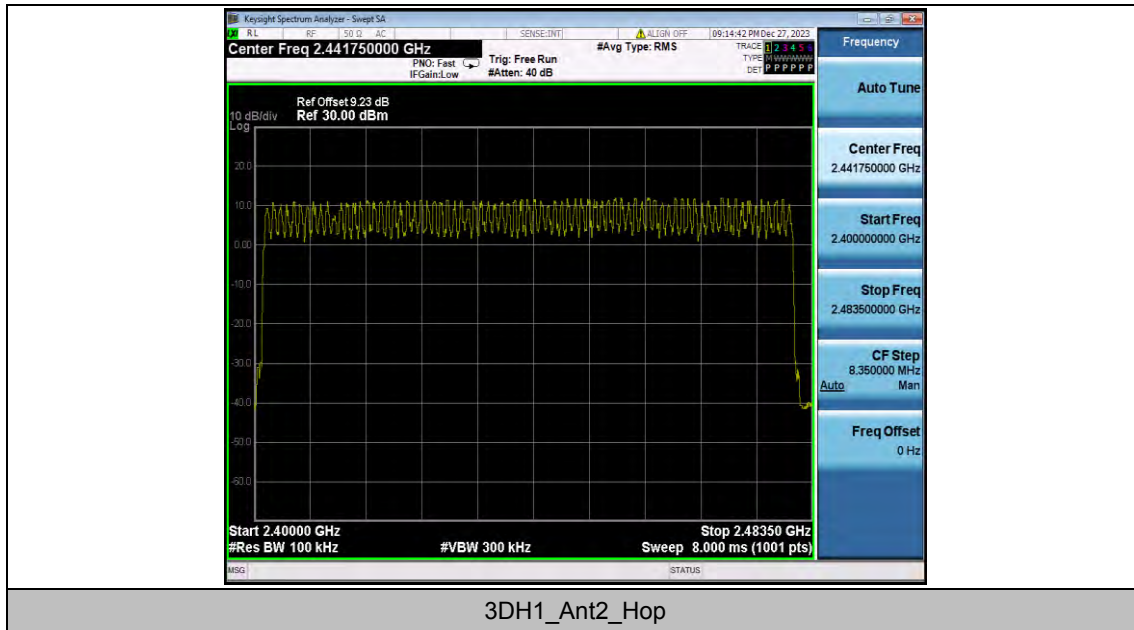
Appendix A.6: Number of hopping channels

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant2	Hop	79	≥15	PASS
2DH1	Ant2	Hop	79	≥15	PASS
3DH1	Ant2	Hop	79	≥15	PASS

Test Graphs



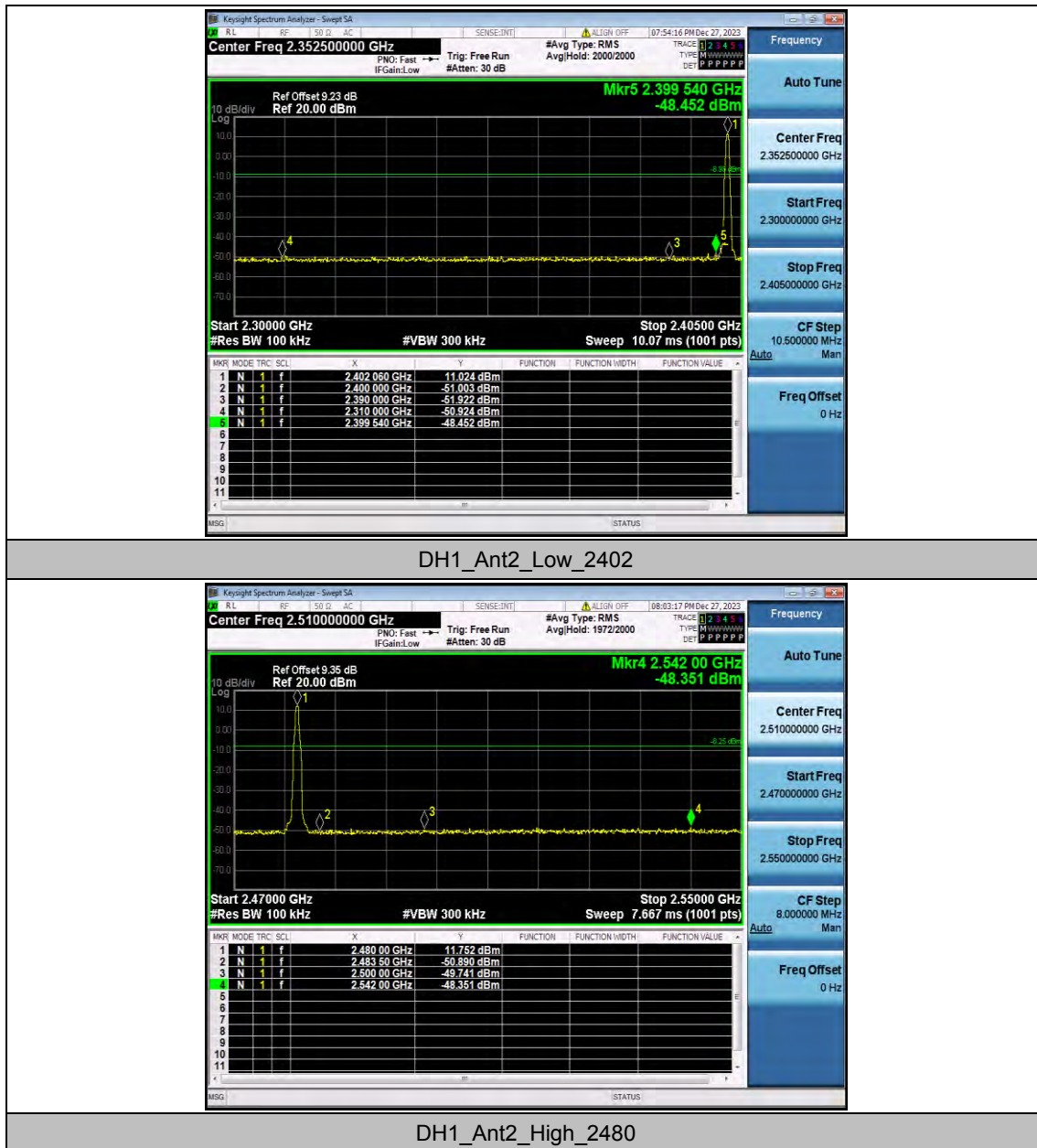


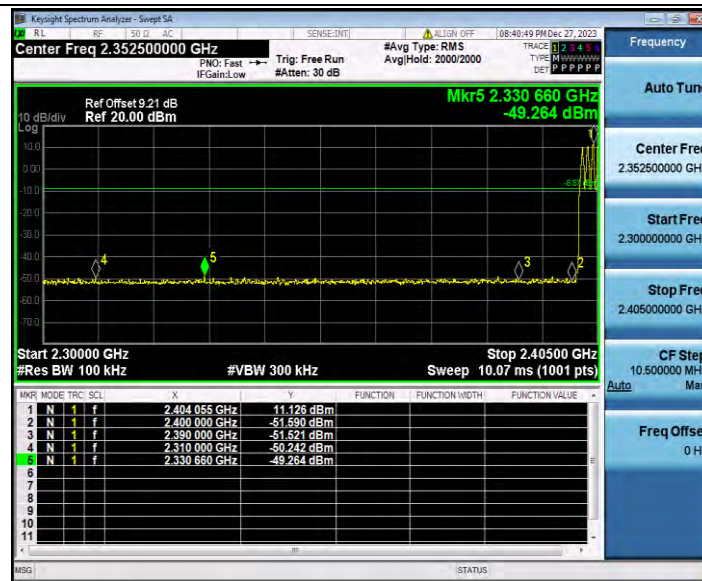
Appendix A.7: Band edge measurements

Test Result

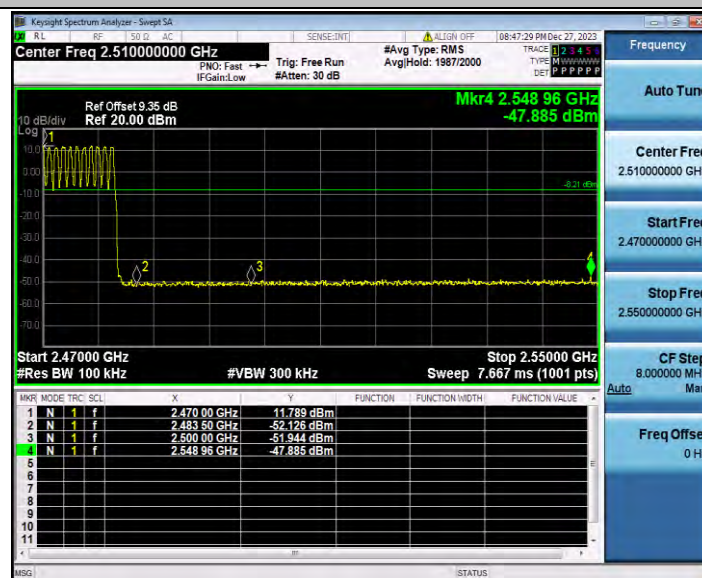
Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant2	Low	2402	11.02	-48.45	≤ -8.98	PASS
		High	2480	11.75	-48.35	≤ -8.25	PASS
		Low	Hop_2402	11.13	-49.26	≤ -8.87	PASS
		High	Hop_2480	11.79	-47.89	≤ -8.21	PASS
2DH1	Ant2	Low	2402	10.86	-49	≤ -9.15	PASS
		High	2480	11.73	-48.57	≤ -8.27	PASS
		Low	Hop_2402	10.83	-48.42	≤ -9.17	PASS
		High	Hop_2480	11.48	-48.25	≤ -8.52	PASS
3DH1	Ant2	Low	2402	10.84	-49.03	≤ -9.16	PASS
		High	2480	11.62	-48.64	≤ -8.38	PASS
		Low	Hop_2402	9.58	-48.79	≤ -10.42	PASS
		High	Hop_2480	10.56	-48.95	≤ -9.44	PASS

Test Graphs

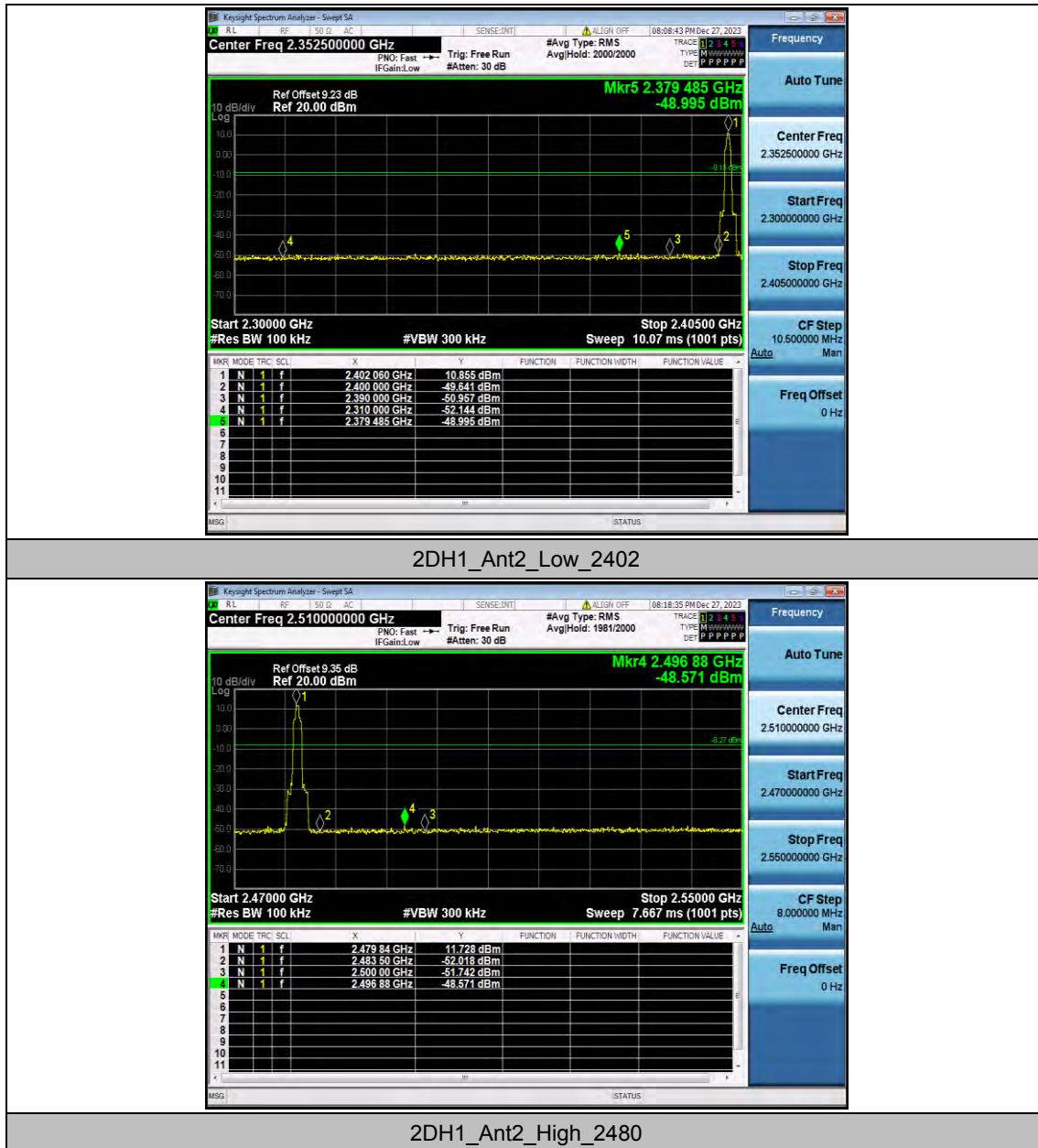


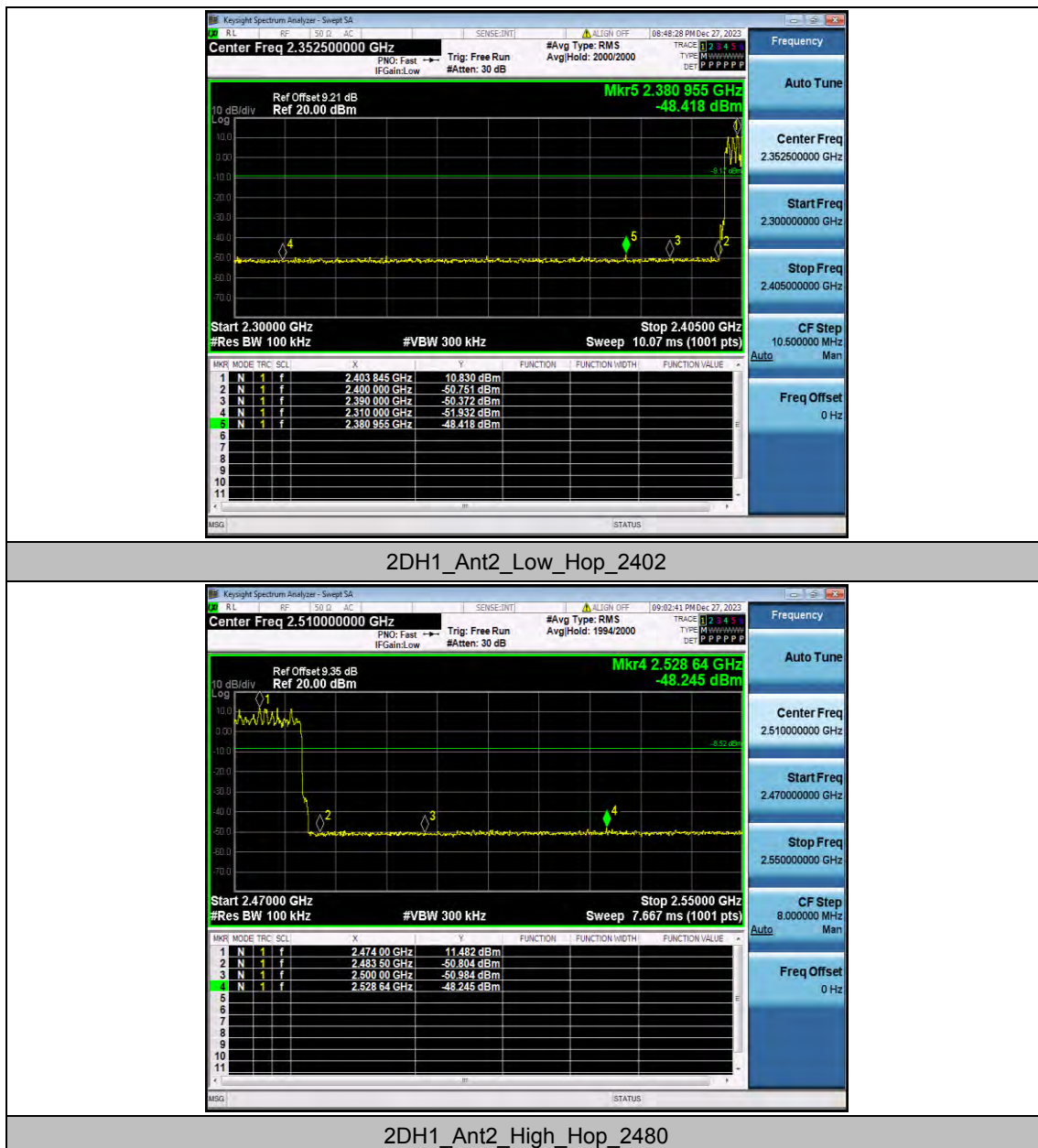


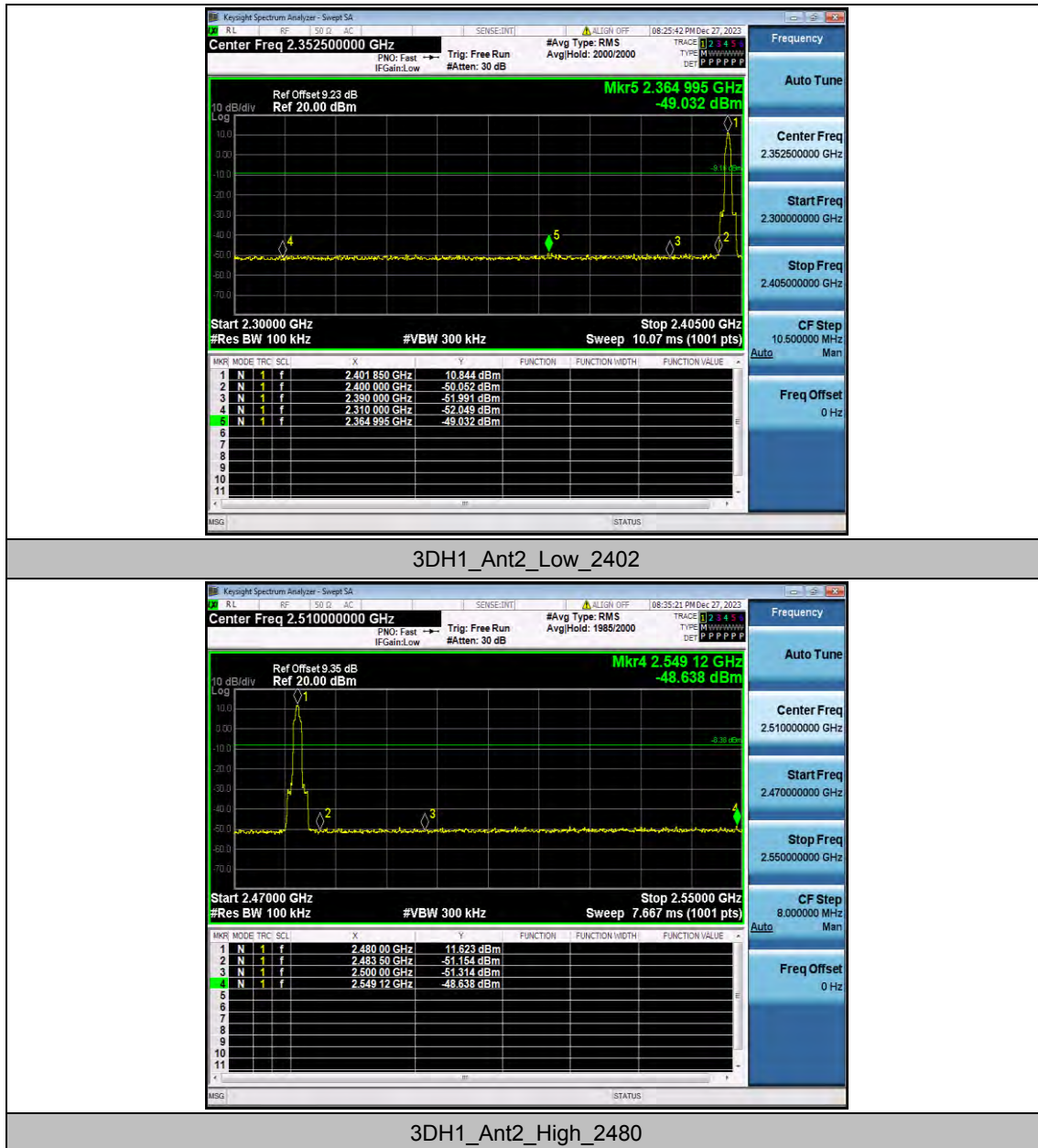
DH1_Ant2_Low_Hop_2402

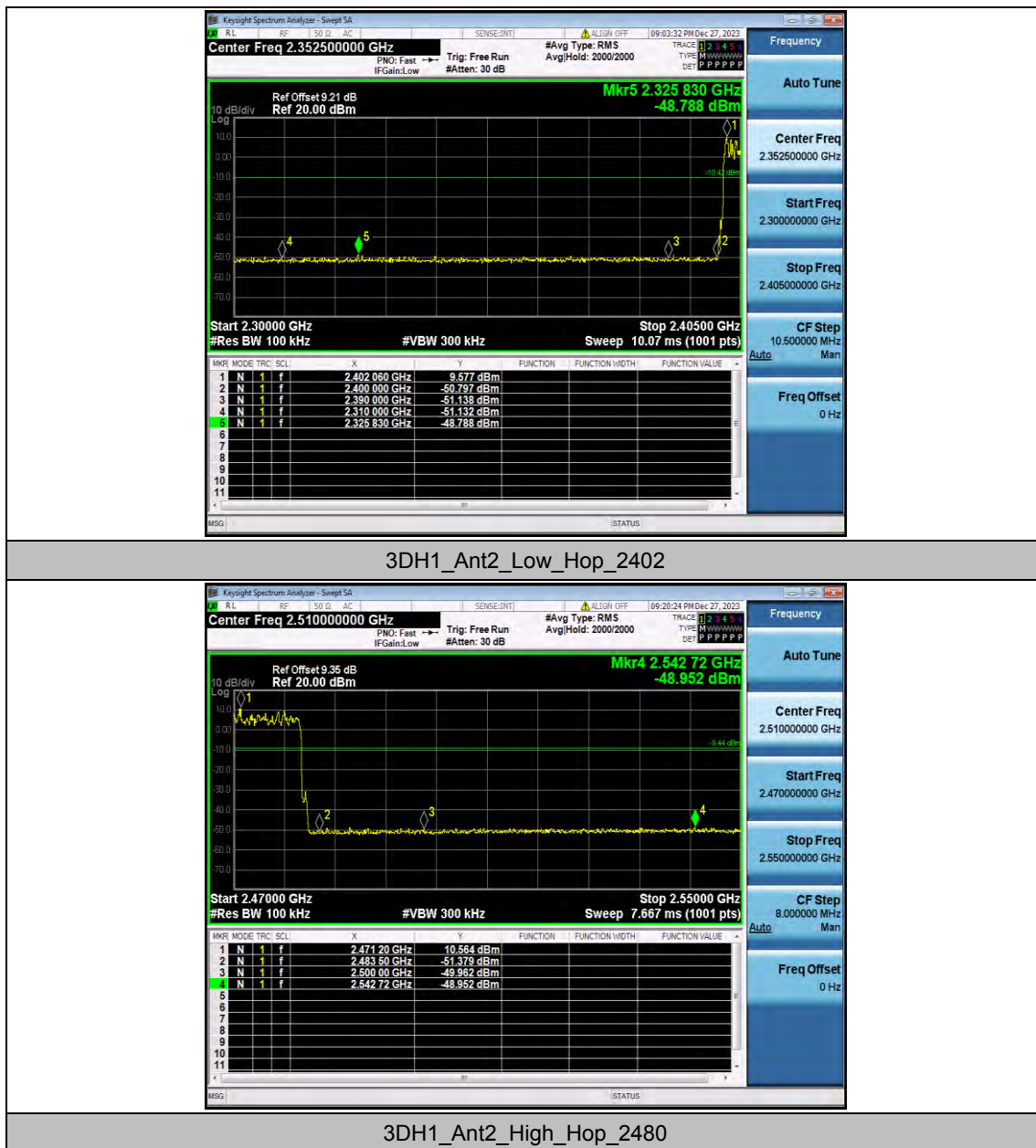


DH1_Ant2_High_Hop_2480







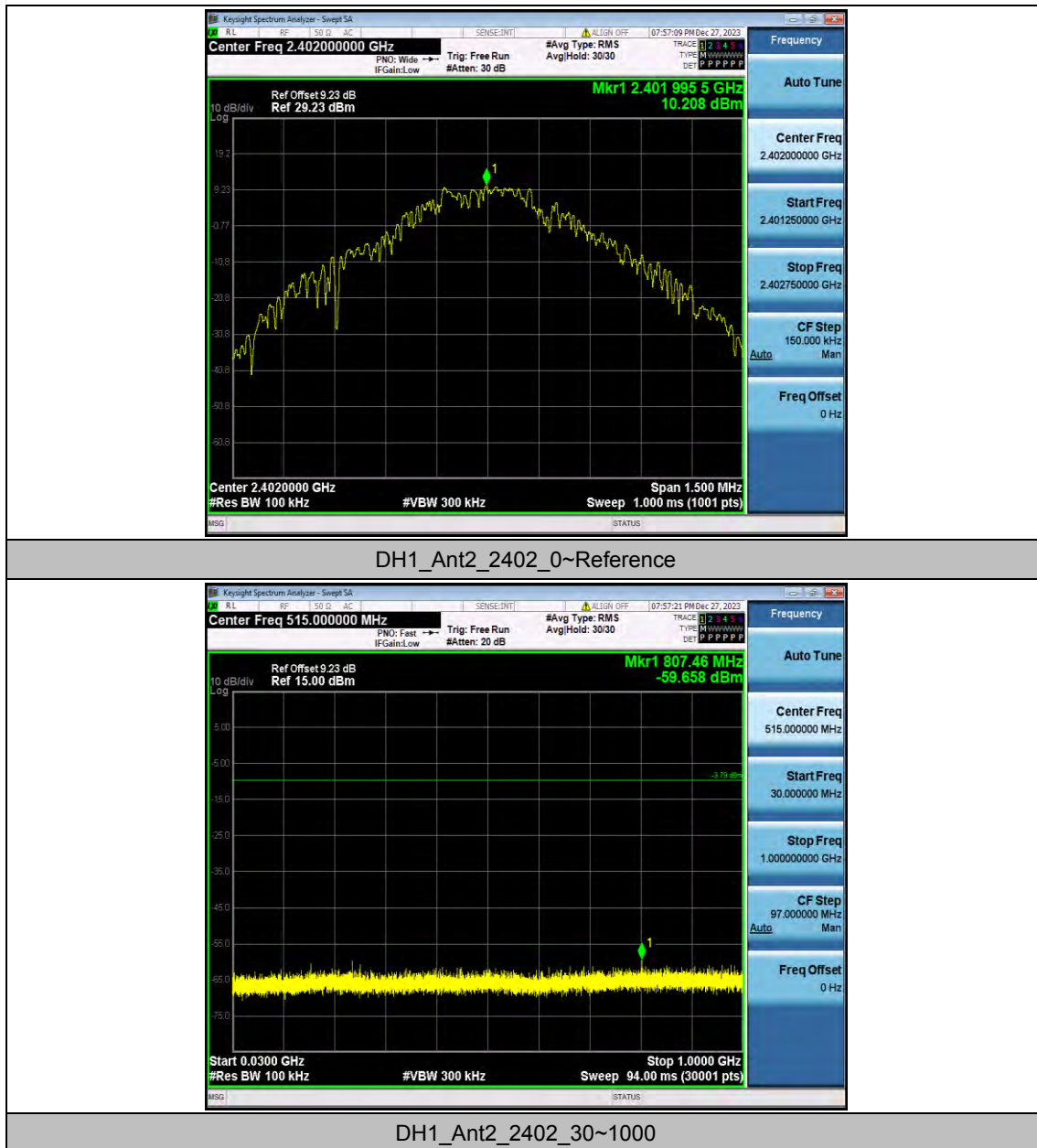


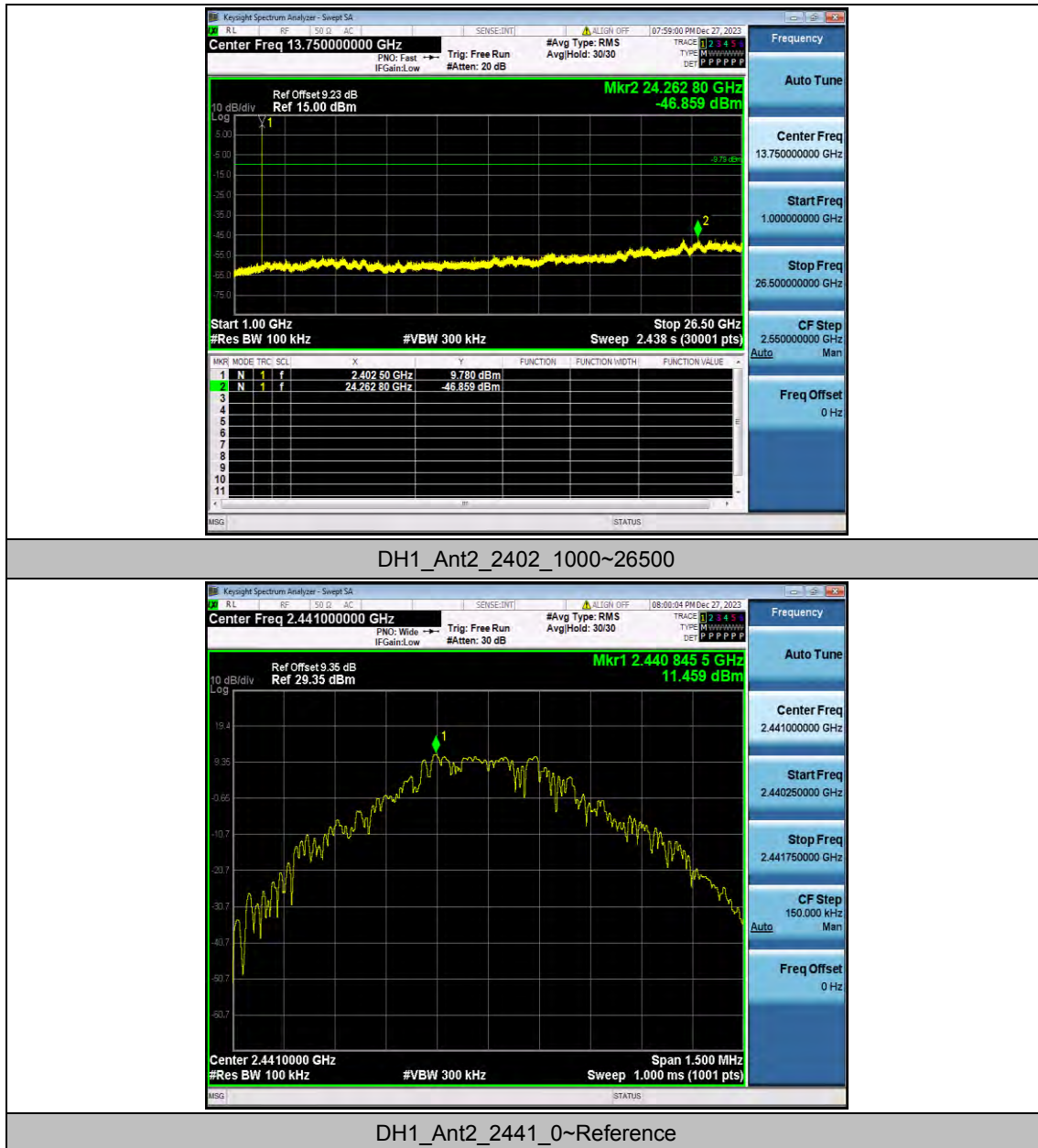
Appendix A.8: Conducted Spurious Emission

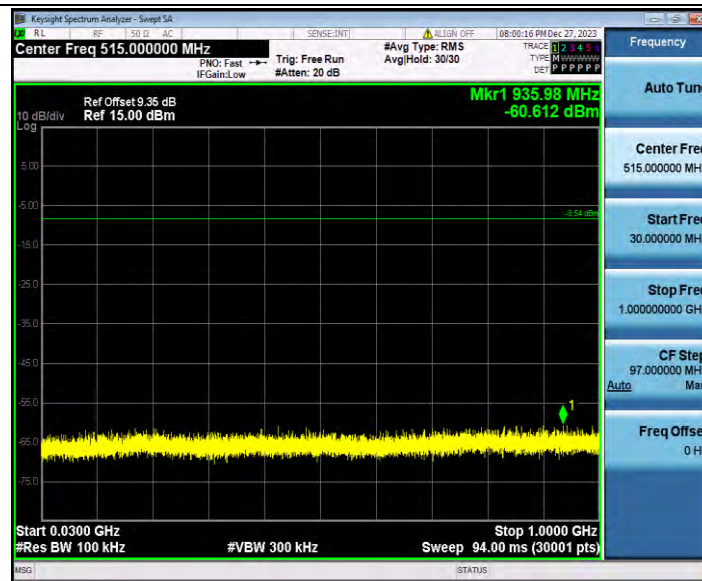
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant2	2402	Reference	10.21	10.21	---	PASS
			30~1000	10.21	-59.66	≤ -9.79	PASS
			1000~26500	10.21	-46.86	≤ -9.79	PASS
		2441	Reference	11.46	11.46	---	PASS
			30~1000	11.46	-60.61	≤ -8.54	PASS
			1000~26500	11.46	-47.58	≤ -8.54	PASS
		2480	Reference	11.30	11.30	---	PASS
			30~1000	11.30	-60.25	≤ -8.7	PASS
			1000~26500	11.30	-47.23	≤ -8.7	PASS
2DH1	Ant2	2402	Reference	10.67	10.67	---	PASS
			30~1000	10.67	-60.78	≤ -9.33	PASS
			1000~26500	10.67	-46.99	≤ -9.33	PASS
		2441	Reference	10.87	10.87	---	PASS
			30~1000	10.87	-60.17	≤ -9.13	PASS
			1000~26500	10.87	-47.32	≤ -9.13	PASS
		2480	Reference	11.36	11.36	---	PASS
			30~1000	11.36	-59.84	≤ -8.64	PASS
			1000~26500	11.36	-47.35	≤ -8.64	PASS
3DH1	Ant2	2402	Reference	10.13	10.13	---	PASS
			30~1000	10.13	-59.85	≤ -9.87	PASS
			1000~26500	10.13	-48.25	≤ -9.87	PASS
		2441	Reference	11.59	11.59	---	PASS
			30~1000	11.59	-60.48	≤ -8.41	PASS
			1000~26500	11.59	-46.51	≤ -8.41	PASS
		2480	Reference	10.74	10.74	---	PASS
			30~1000	10.74	-60.49	≤ -9.26	PASS
			1000~26500	10.74	-47.4	≤ -9.26	PASS

Test Graphs







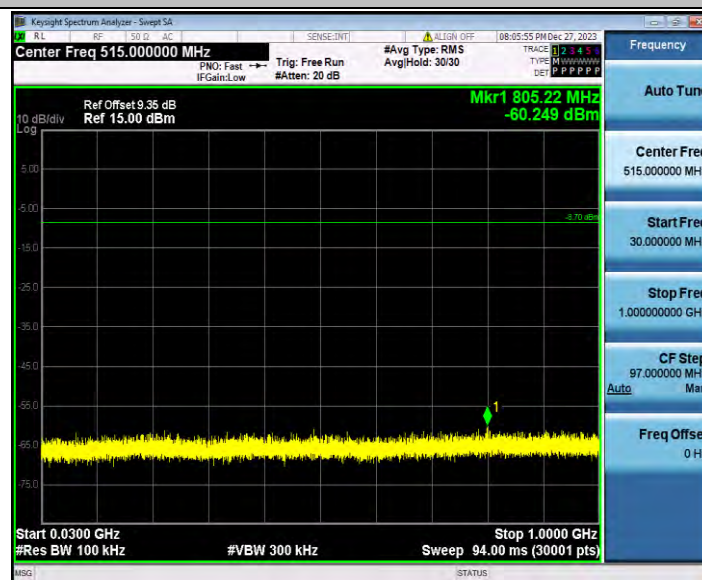
DH1_Ant2_2441_30~1000



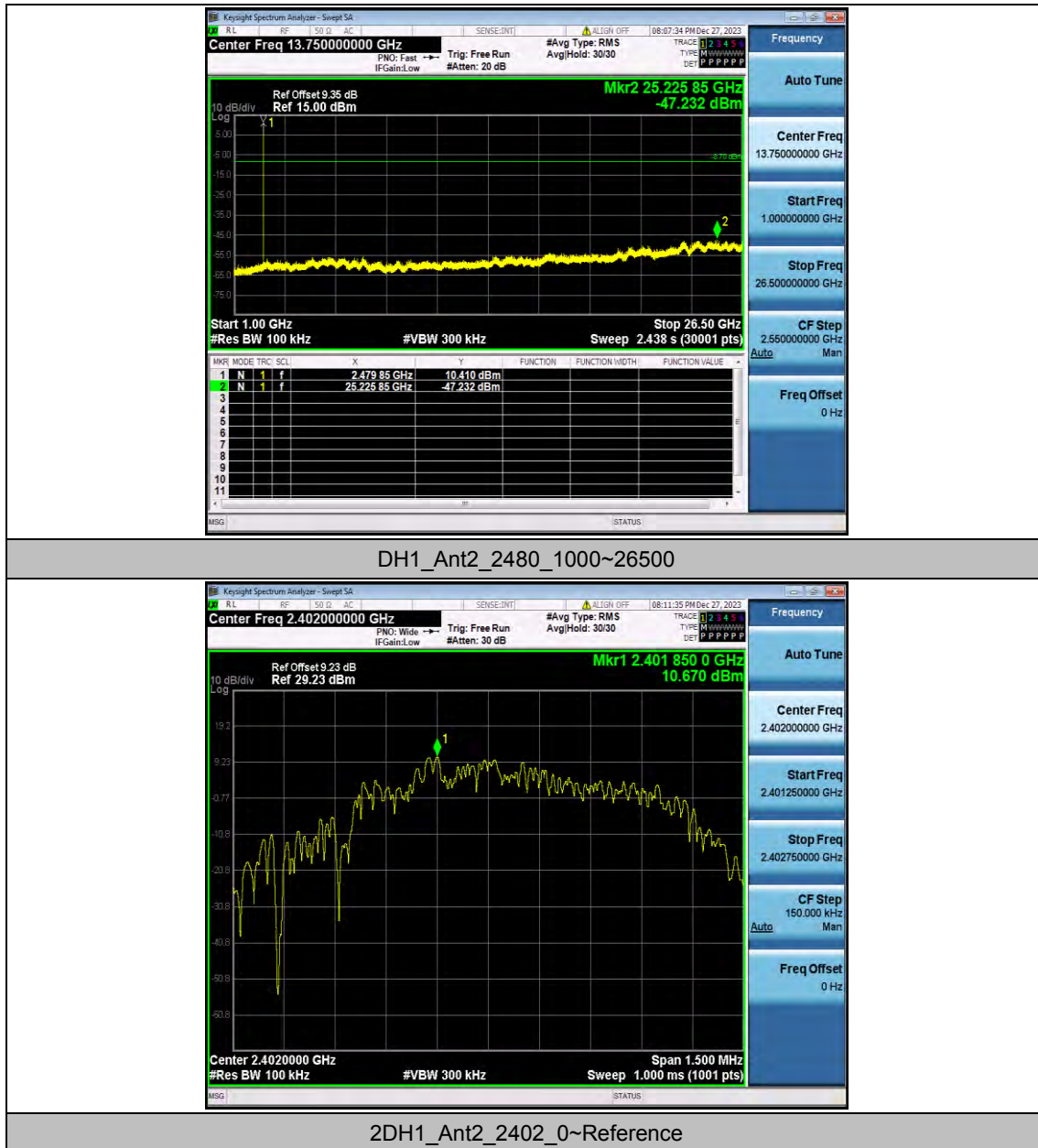
DH1_Ant2_2441_1000~26500



DH1_Ant2_2480_0~Reference

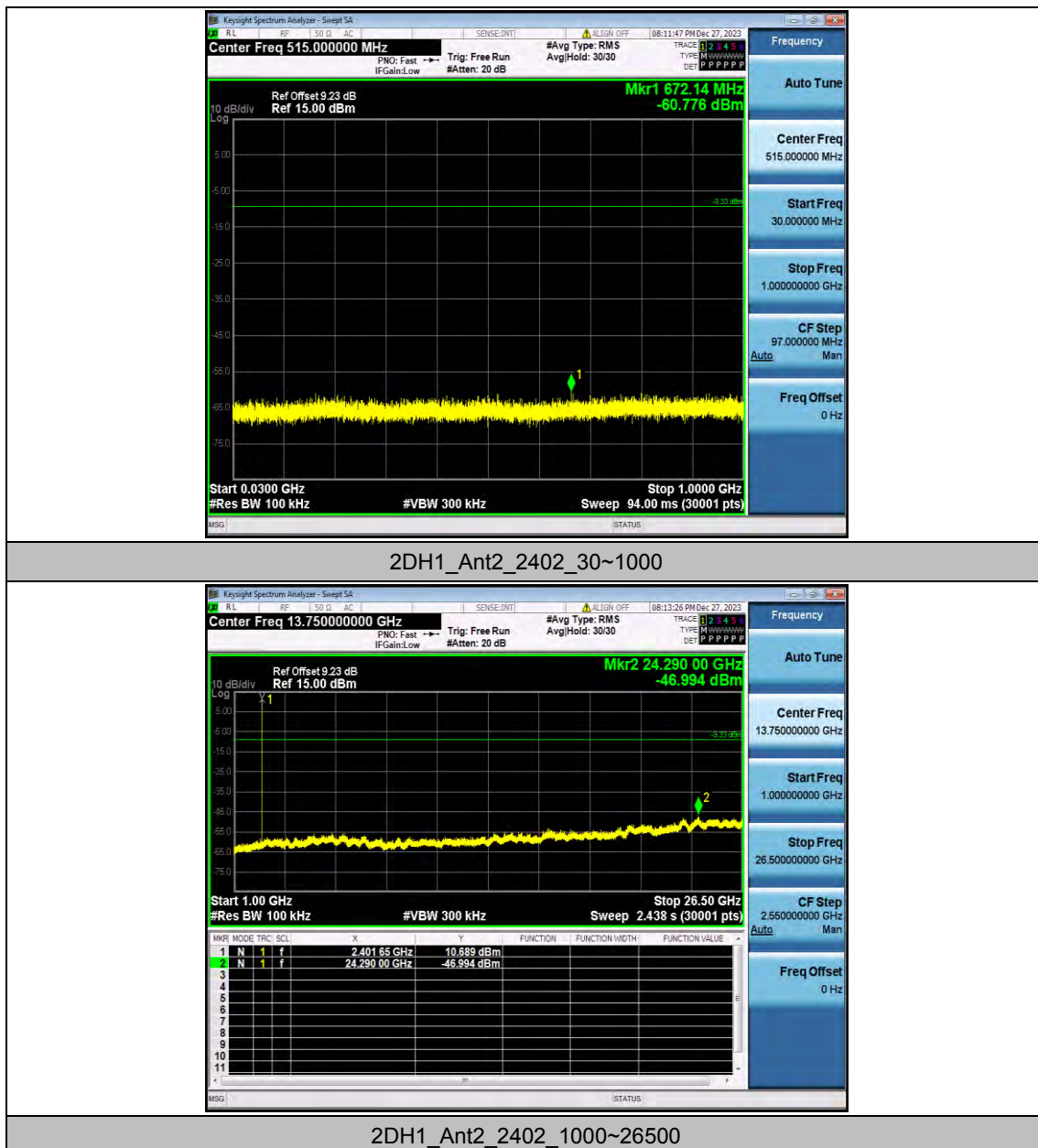


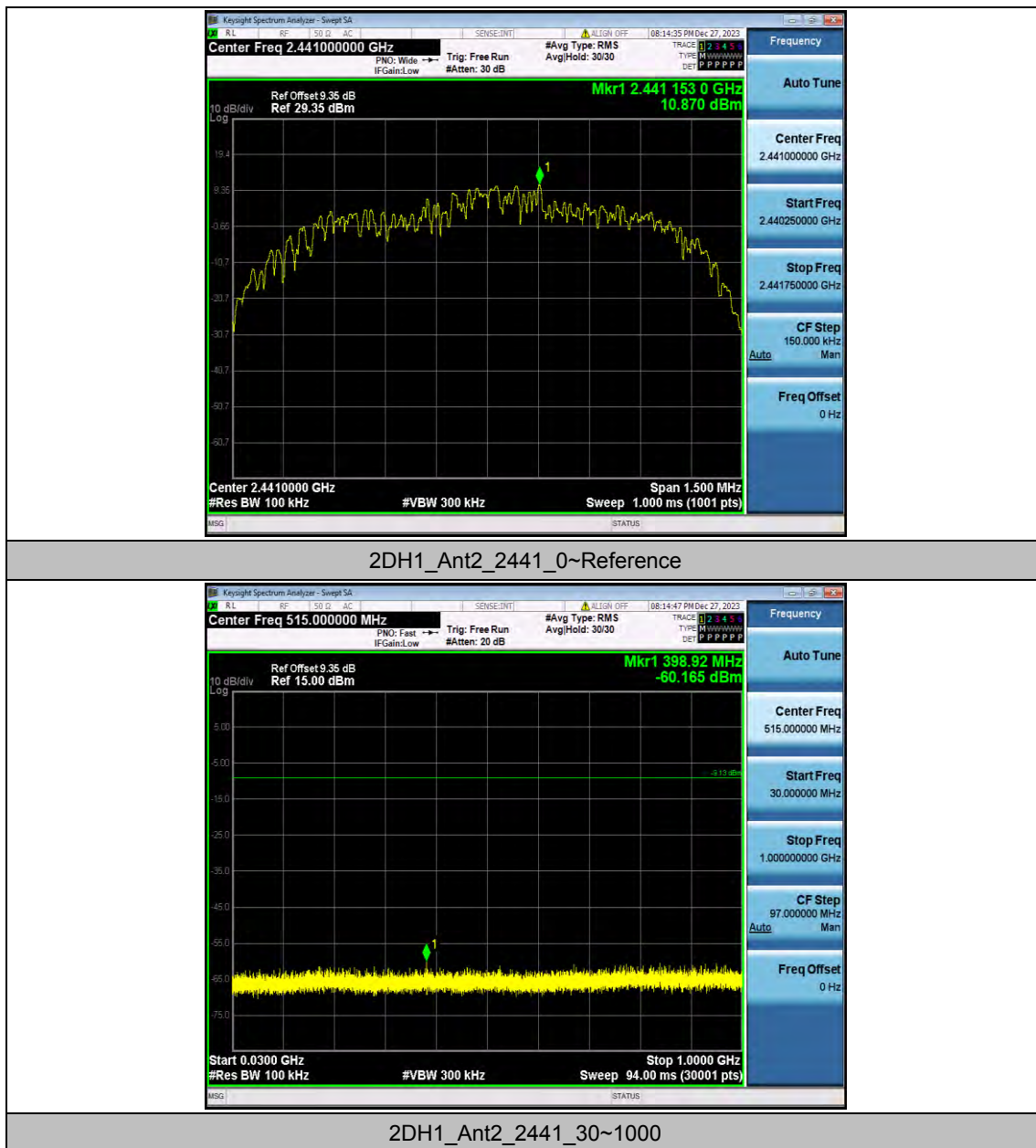
DH1_Ant2_2480_30~1000

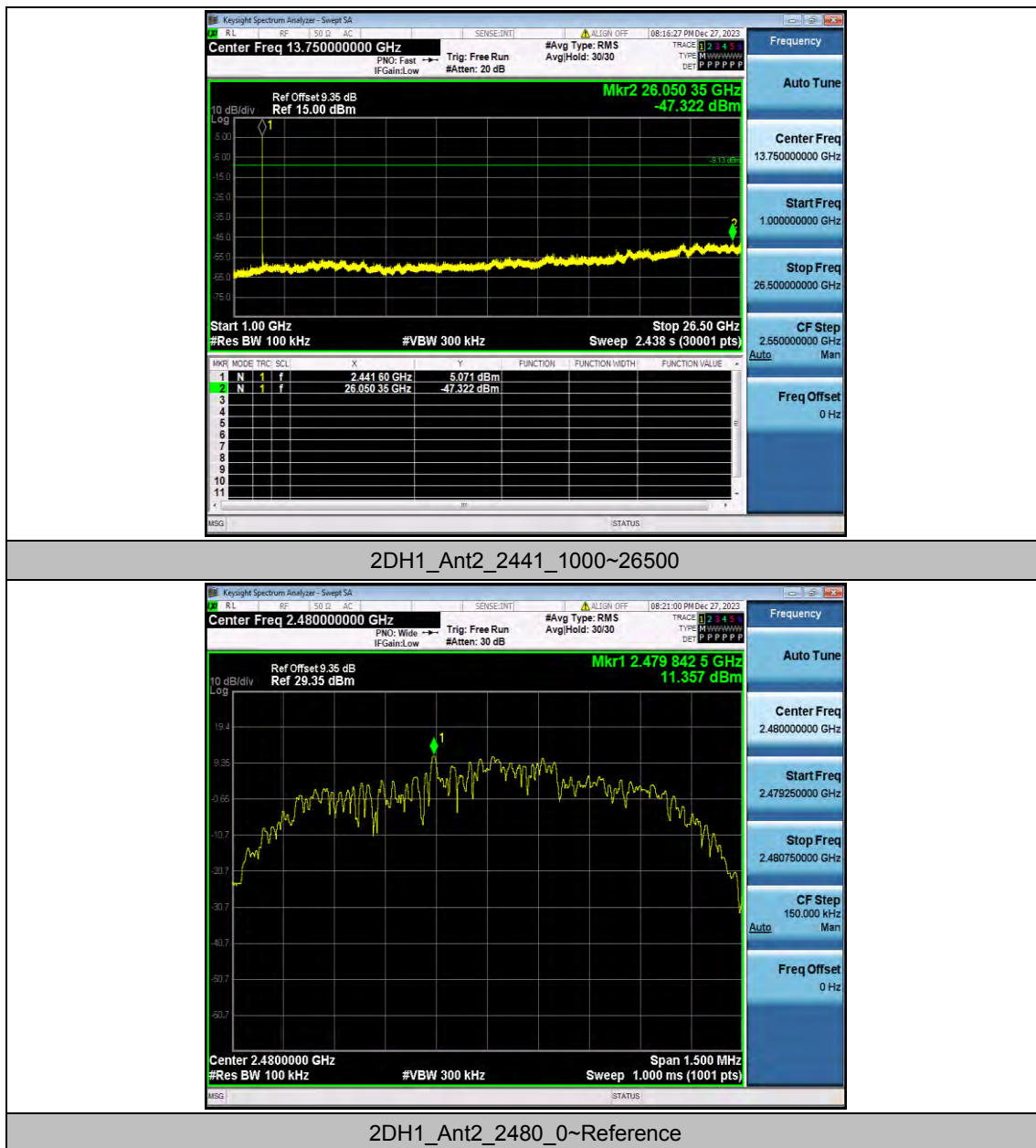


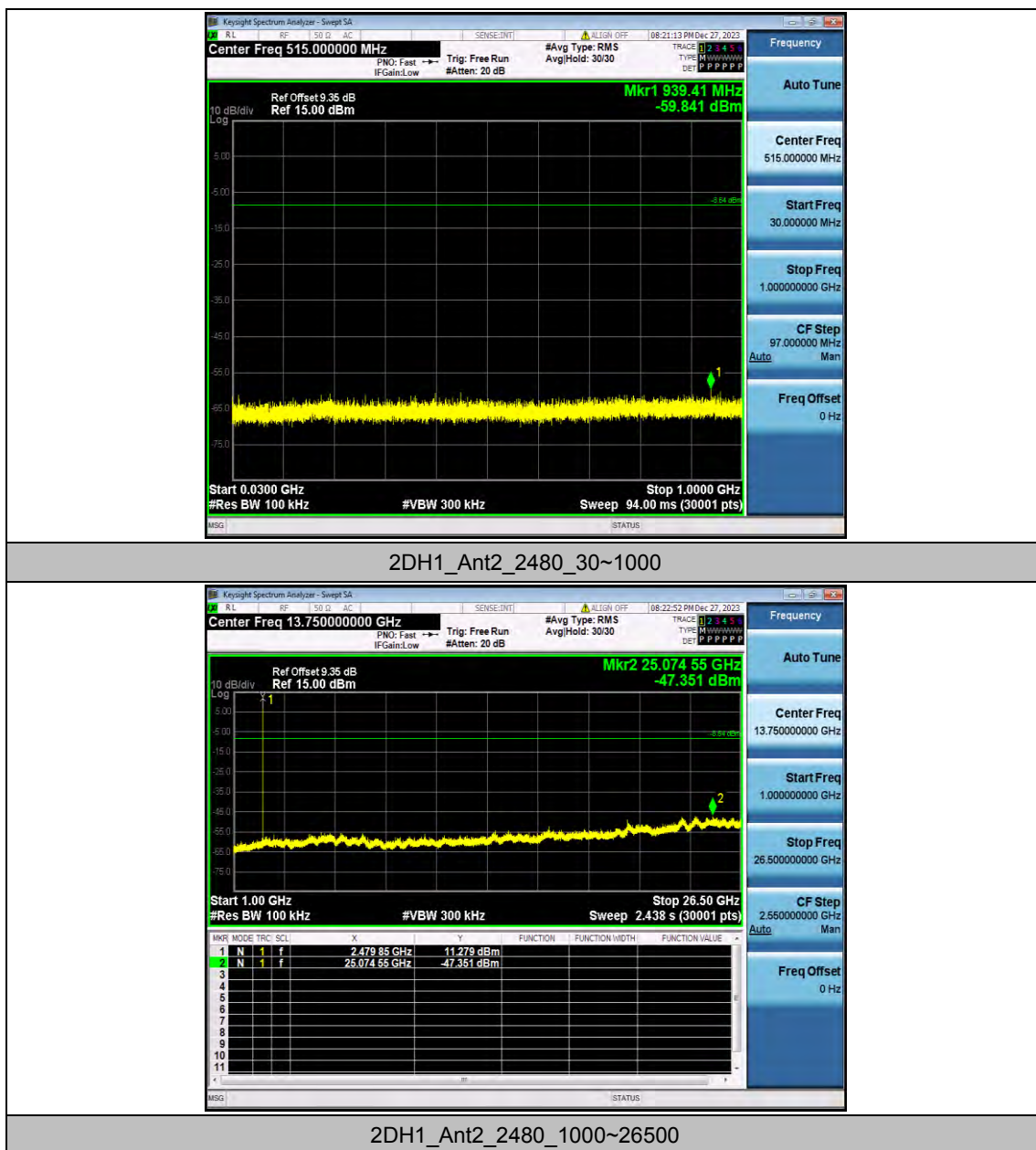
DH1_Ant2_2480_1000~26500

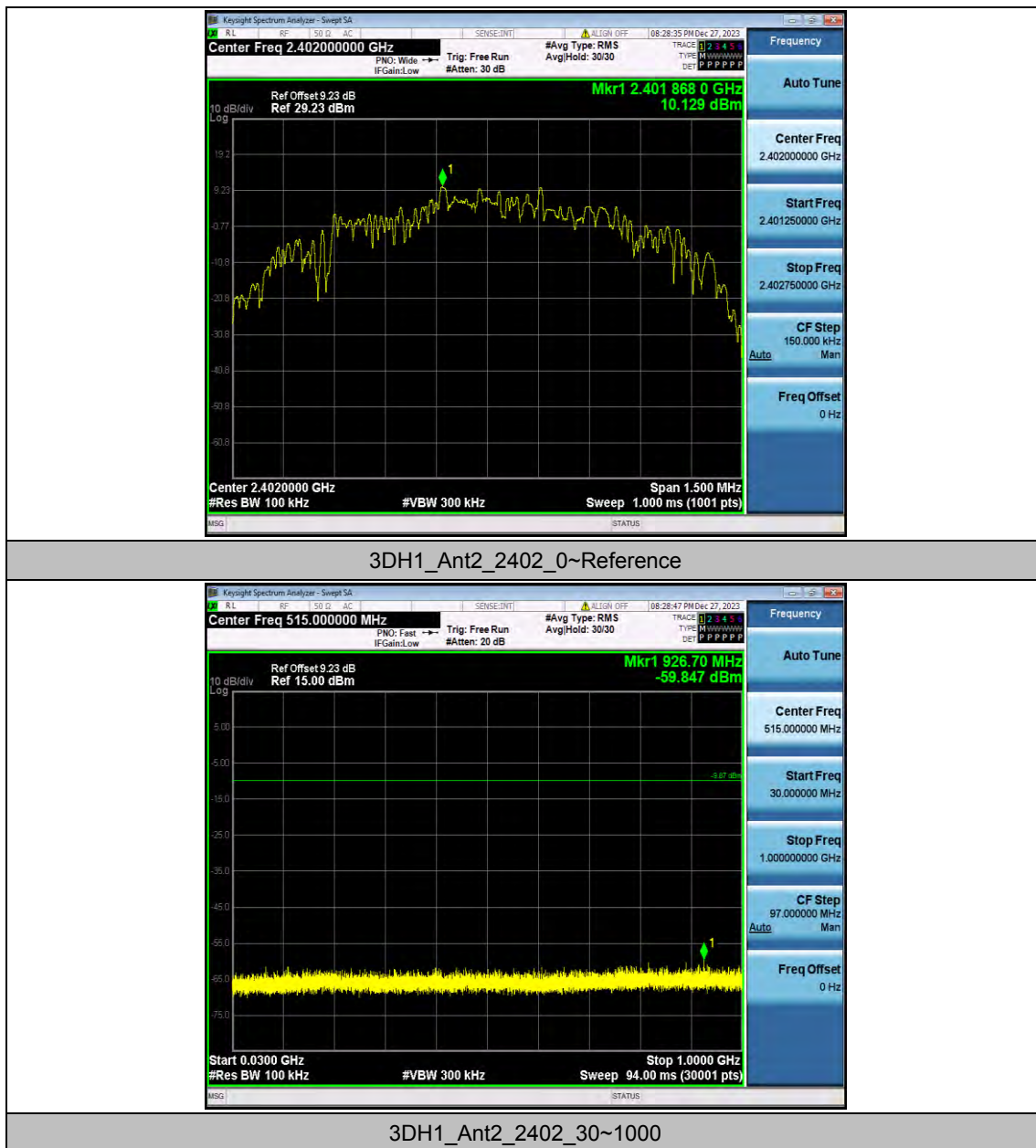
2DH1_Ant2_2402_0~Reference

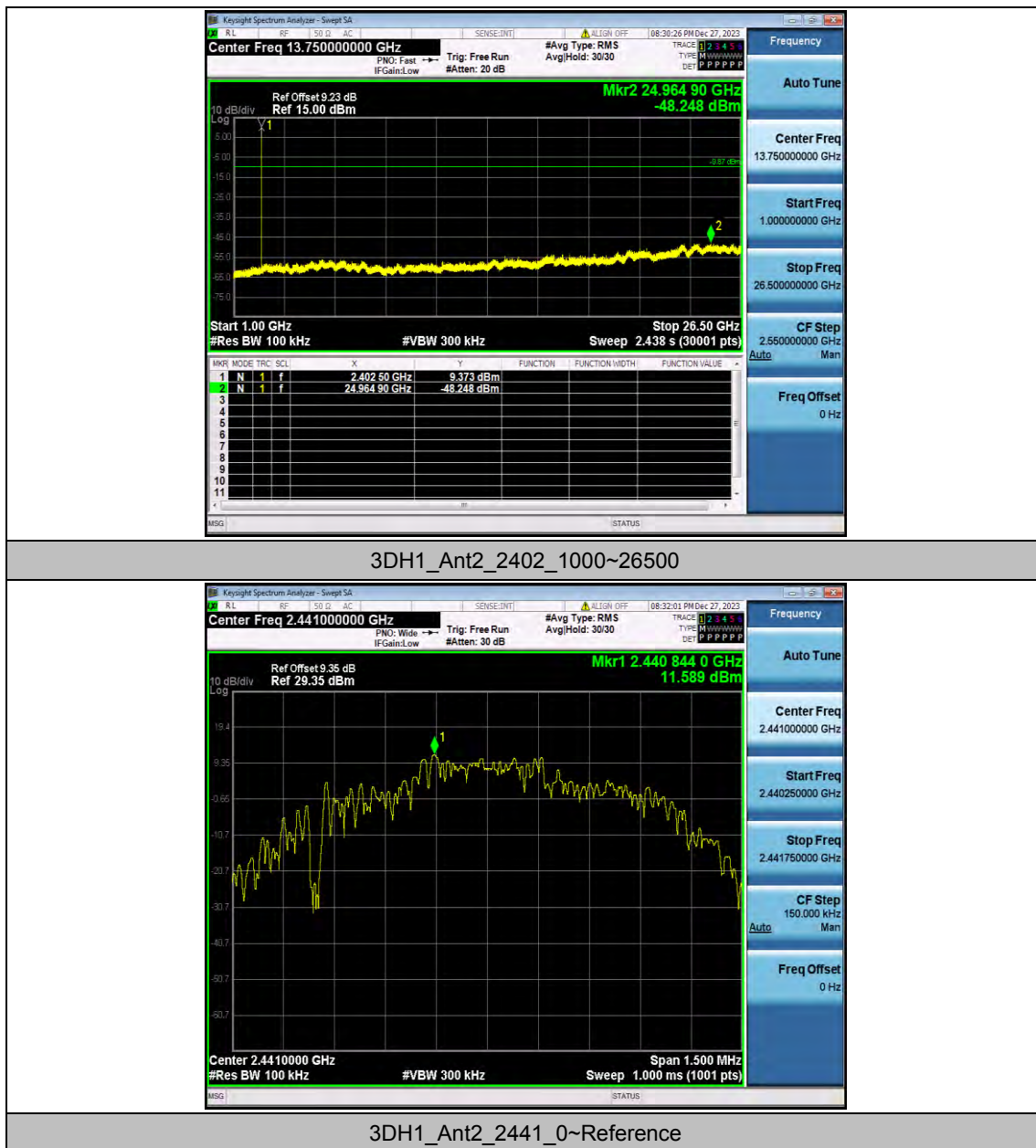


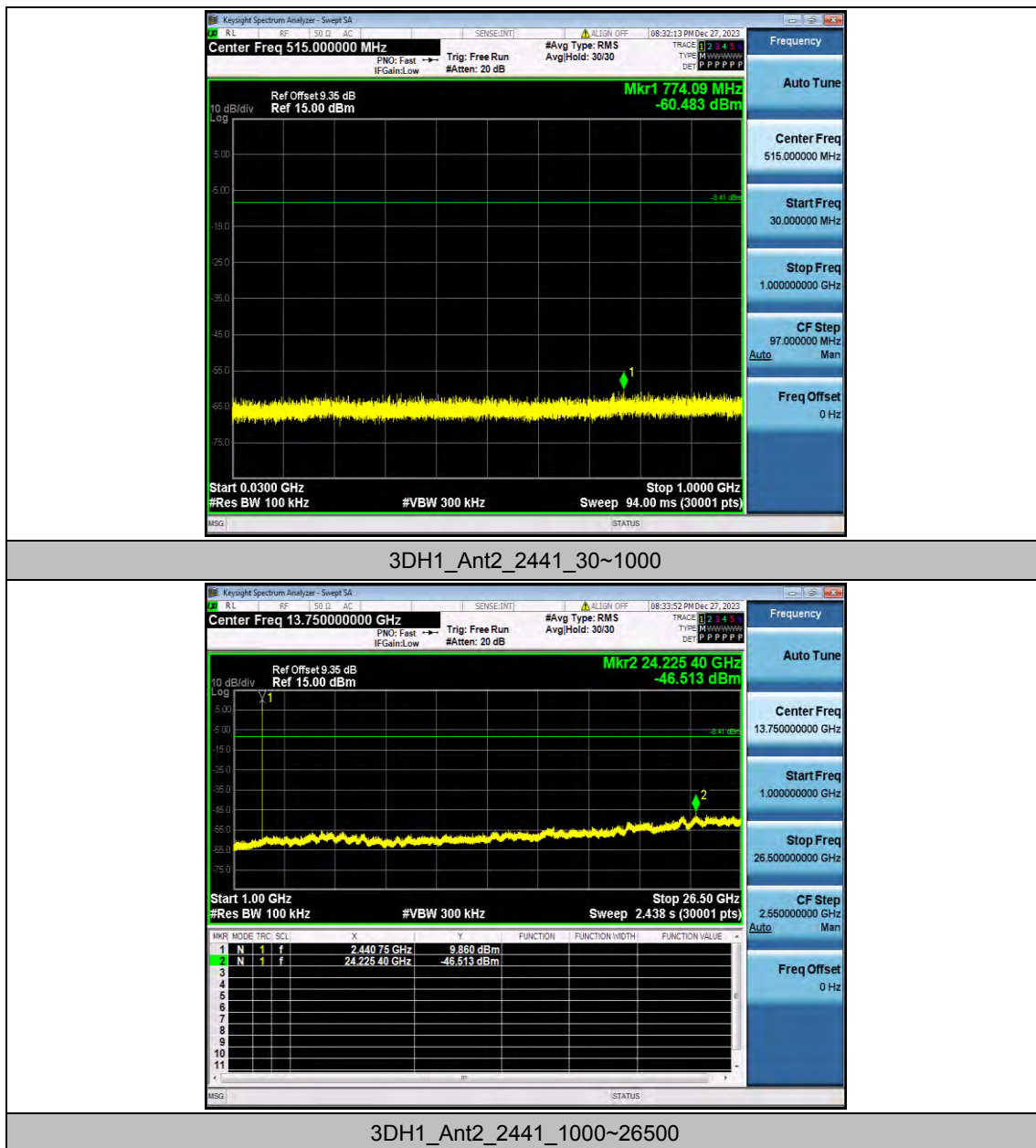


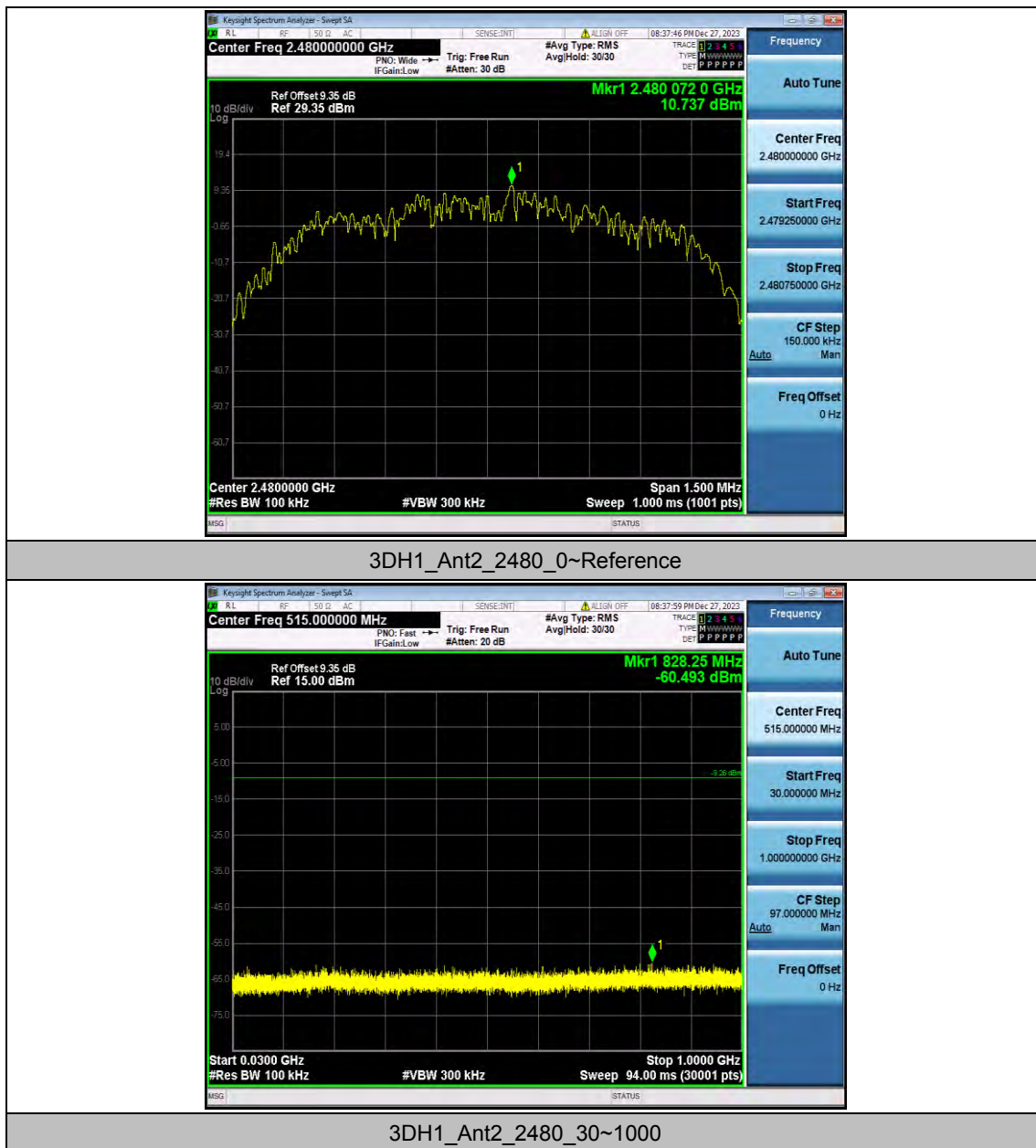


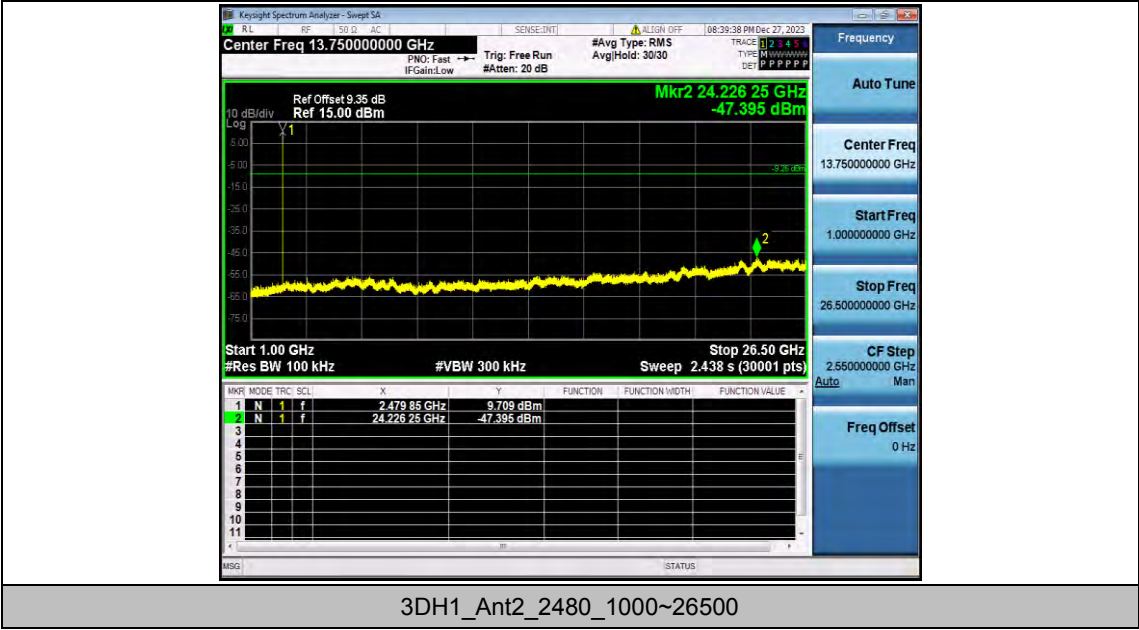












3DH1_Ant2_2480_1000~26500