

Case No. : <u>GTS20260605008-4-09</u>	
Ambient Condition: <u>23</u> °C, <u>51</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2026-7.01 2026.8.15</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.041	2401.490	2402.531	---	---
		2441	1.041	2440.490	2441.531	---	---
		2480	0.918	2479.547	2480.465	---	---
2DH1	Ant1	2402	1.248	2401.373	2402.621	---	---
		2441	1.257	2440.373	2441.630	---	---
		2480	1.263	2479.376	2480.639	---	---
3DH1	Ant1	2402	1.218	2401.403	2402.621	---	---
		2441	1.257	2440.367	2441.624	---	---
		2480	1.260	2479.364	2480.624	---	---

Test Graphs





2DH1_Ant1_2402



2DH1_Ant1_2441



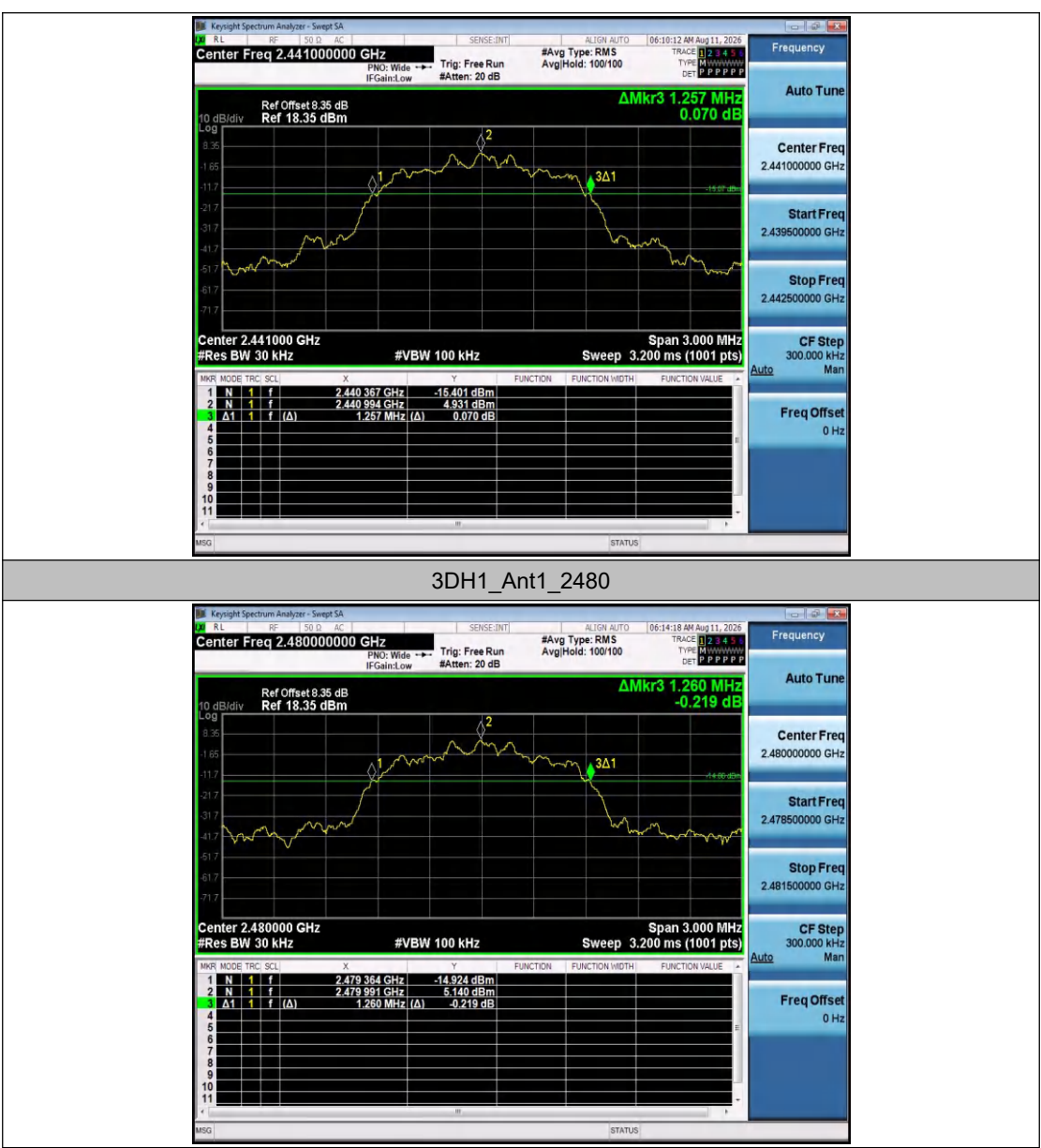
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441

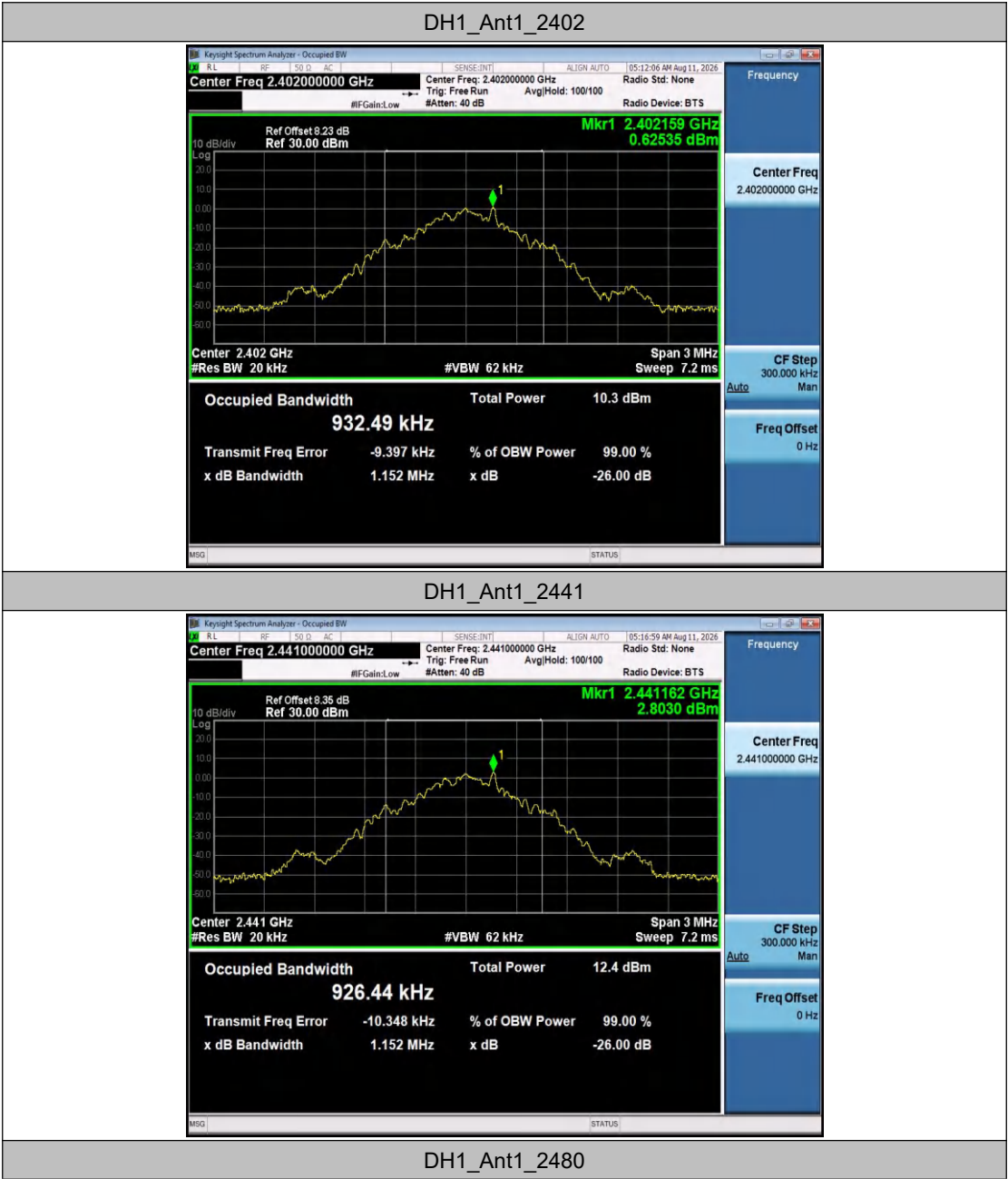


Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.93249	2401.5244	2402.4568	---	---
		2441	0.92644	2440.5264	2441.4529	---	---
		2480	0.85977	2479.5682	2480.4280	---	---
2DH1	Ant1	2402	1.1297	2401.4343	2402.5640	---	---
		2441	1.1357	2440.4311	2441.5668	---	---
		2480	1.1396	2479.4306	2480.5702	---	---
3DH1	Ant1	2402	1.1127	2401.4415	2402.5542	---	---
		2441	1.1170	2440.4383	2441.5553	---	---
		2480	1.1213	2479.4348	2480.5561	---	---

Test Graphs



DH1_Ant1_2441

KeySight Spectrum Analyzer - Occupied BW

Center Freq 2.441000000 GHz

Center Freq: 2.441000000 GHz

Trig: Free Run

Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

Ref Offset 8.35 dB

Ref 30.00 dBm

Mkr1 2.441162 GHz

2.8030 dBm

10 dB/div

Log

Center 2.441 GHz

#Res BW 20 kHz

#VBW 62 kHz

Span 3 MHz

Sweep 7.2 ms

Occupied Bandwidth

926.44 kHz

Total Power

12.4 dBm

Transmit Freq Error

-10.348 kHz

% of OBW Power

99.00 %

x dB Bandwidth

1.152 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

2.441000000 GHz

CF Step

300.000 kHz

Auto

Man

Freq Offset

0 Hz

DH1_Ant1_2480

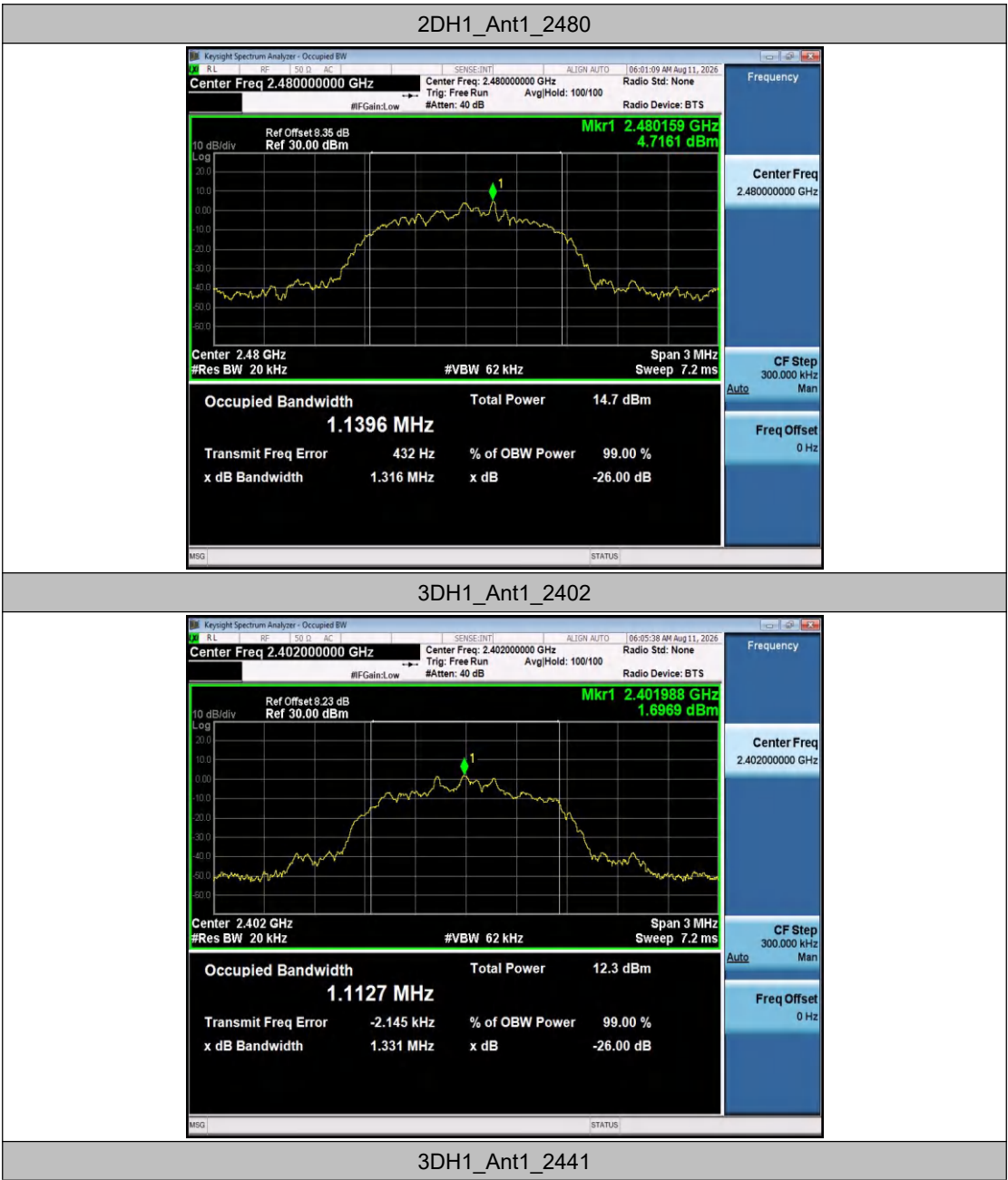


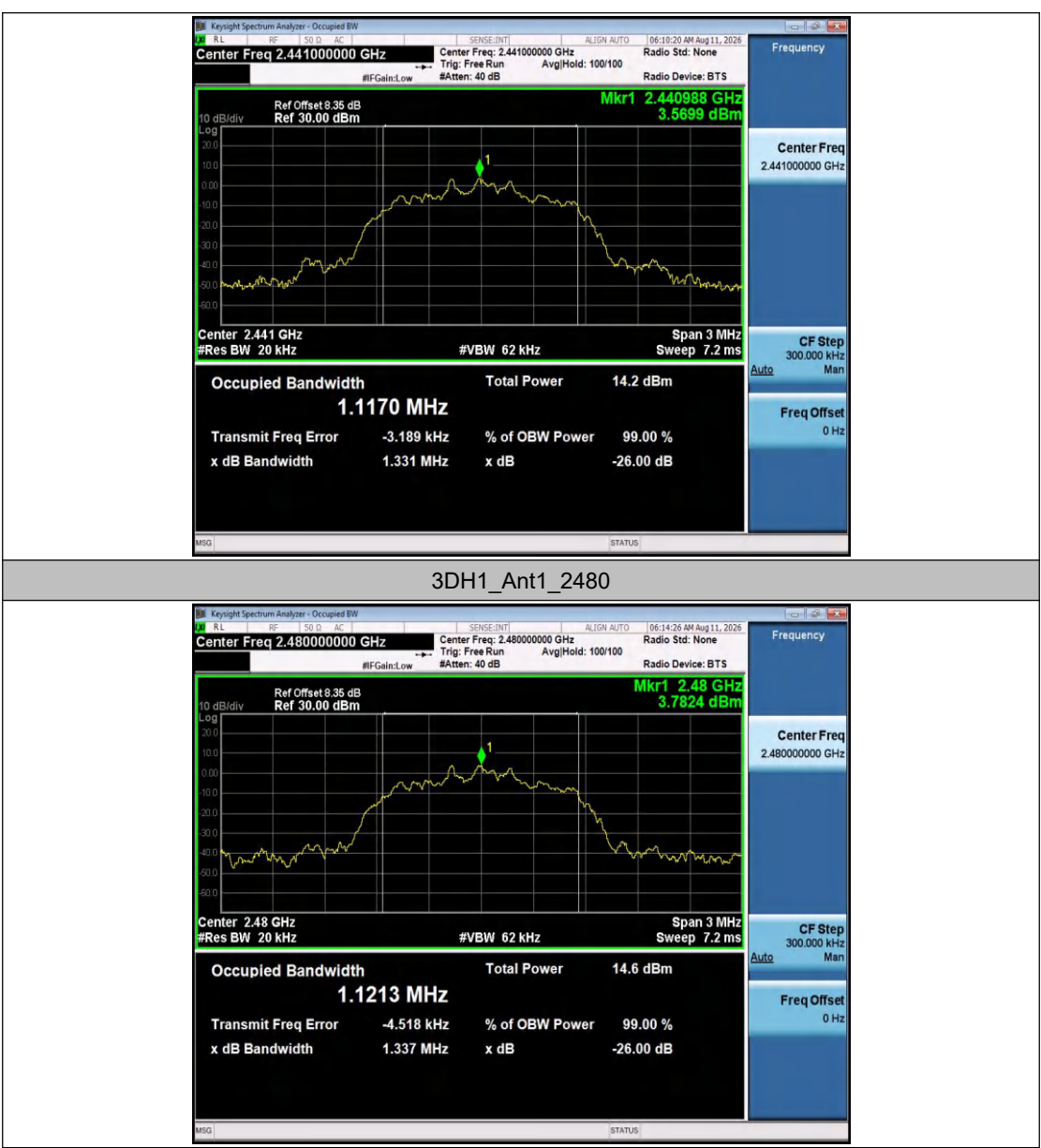
2DH1_Ant1_2402



2DH1_Ant1_2441







Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	4.64	≤20.97	PASS
		2441	6.74	≤20.97	PASS
		2480	7.76	≤20.97	PASS
2DH1	Ant1	2402	4.54	≤20.97	PASS
		2441	8.43	≤20.97	PASS
		2480	8.79	≤20.97	PASS
3DH1	Ant1	2402	6.74	≤20.97	PASS
		2441	8.61	≤20.97	PASS
		2480	8.81	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1	≥ 0.694	PASS
		Hop_2441	1.344	≥ 0.694	PASS
		Hop_2480	0.994	≥ 0.694	PASS
2DH1	Ant1	Hop_2402	1.31	≥ 0.842	PASS
		Hop_2441	1.004	≥ 0.842	PASS
		Hop_2480	0.986	≥ 0.842	PASS
3DH1	Ant1	Hop_2402	0.982	≥ 0.840	PASS
		Hop_2441	0.988	≥ 0.840	PASS
		Hop_2480	0.996	≥ 0.840	PASS

Test Graphs





2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441



3DH1_Ant1_Hop_2480

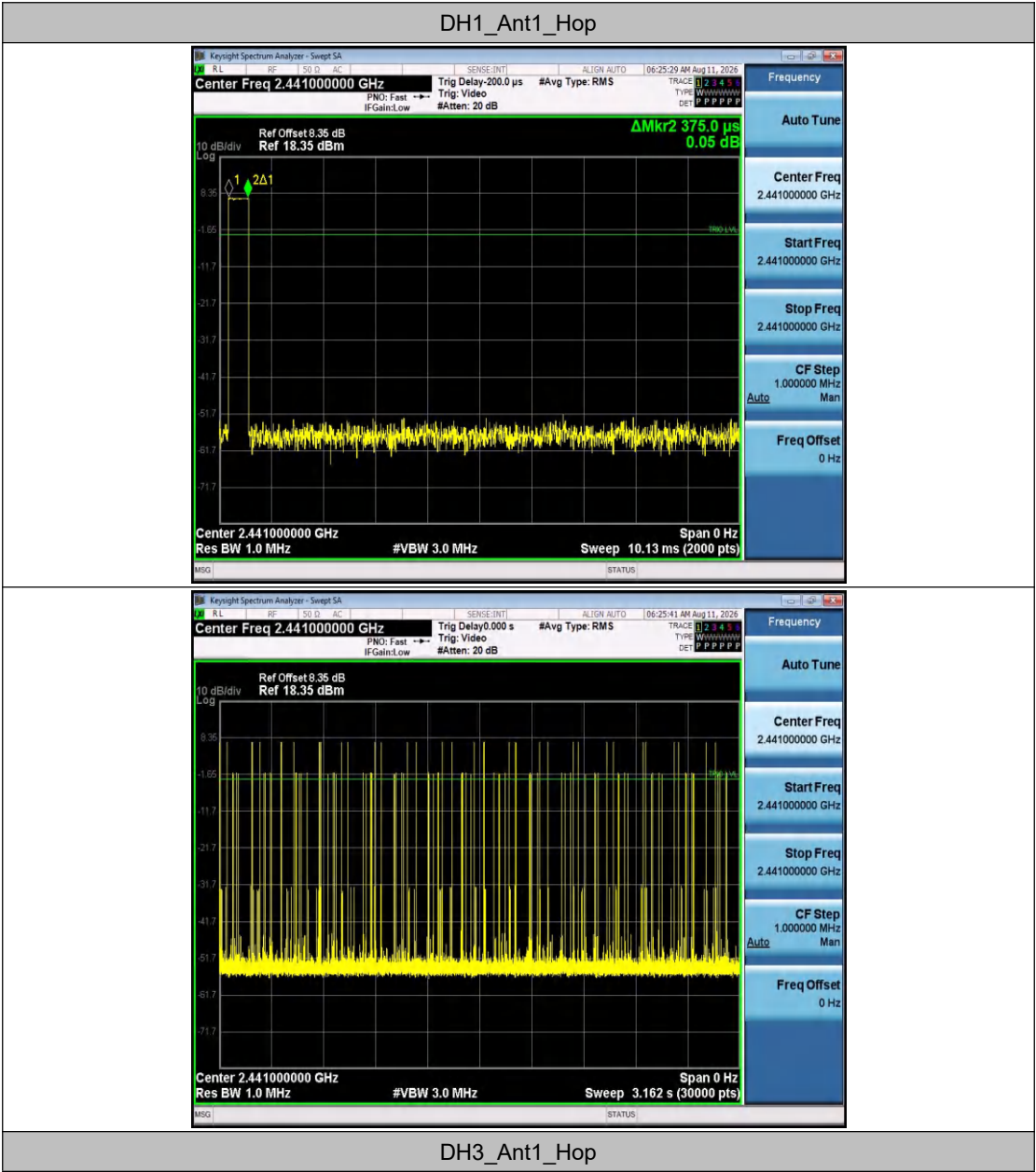


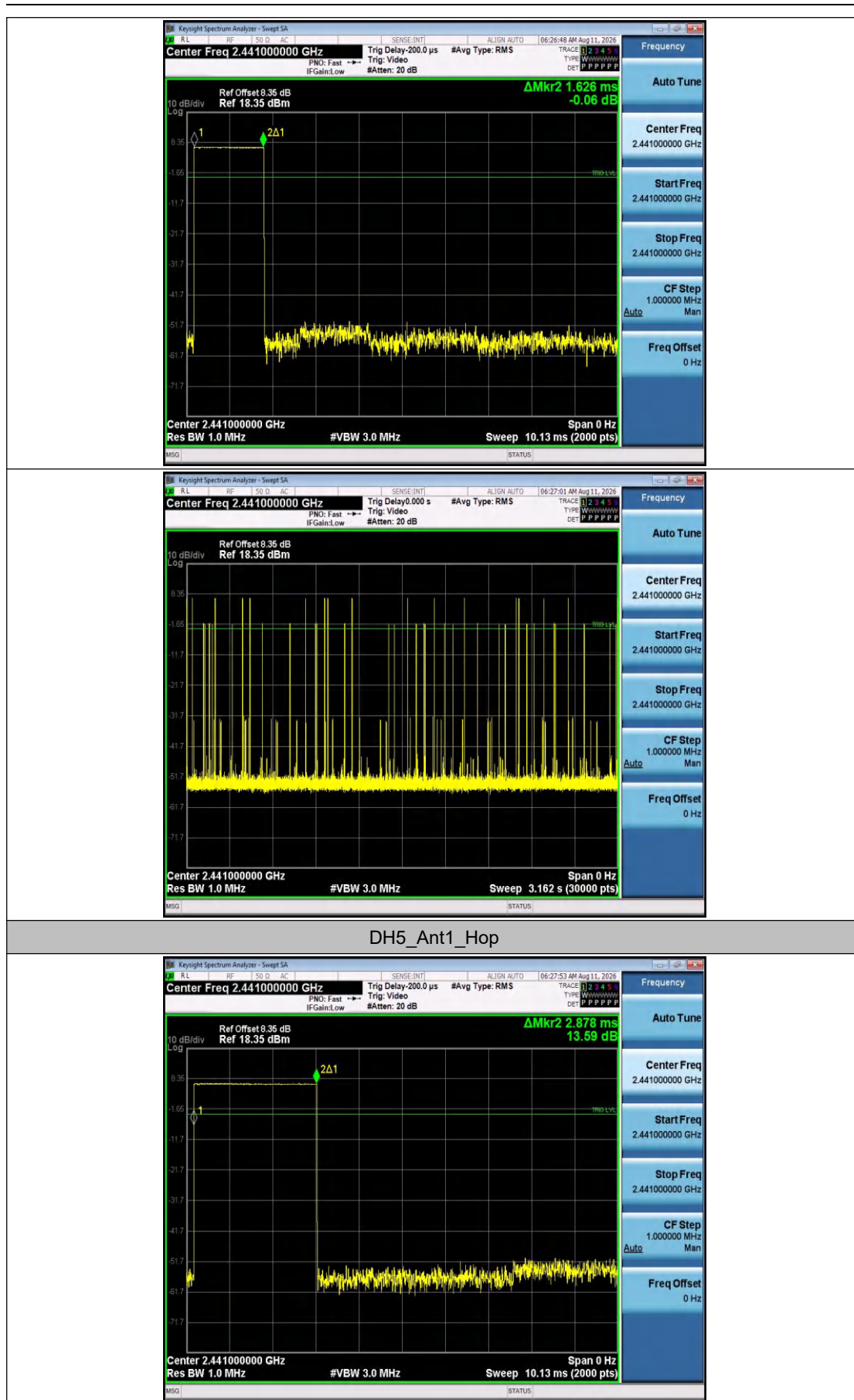
Appendix A.5: Time of occupancy

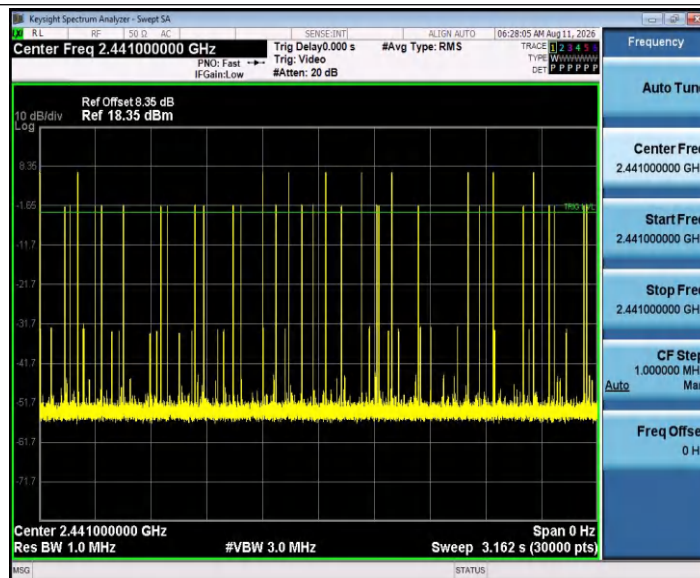
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.375	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.626	170	0.276	≤0.4	PASS
DH5	Ant1	Hop	2.878	100	0.288	≤0.4	PASS
2DH1	Ant1	Hop	0.385	330	0.127	≤0.4	PASS
2DH3	Ant1	Hop	1.637	180	0.295	≤0.4	PASS
2DH5	Ant1	Hop	2.883	70	0.202	≤0.4	PASS
3DH1	Ant1	Hop	0.385	330	0.127	≤0.4	PASS
3DH3	Ant1	Hop	1.631	150	0.245	≤0.4	PASS
3DH5	Ant1	Hop	2.883	100	0.288	≤0.4	PASS

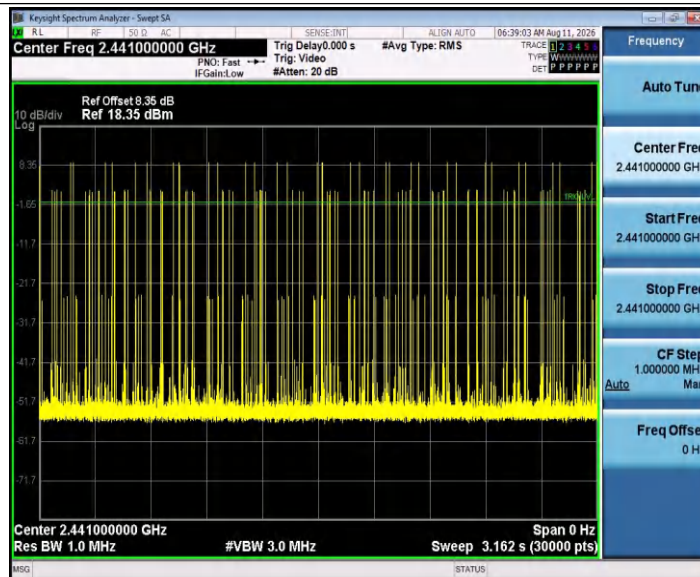
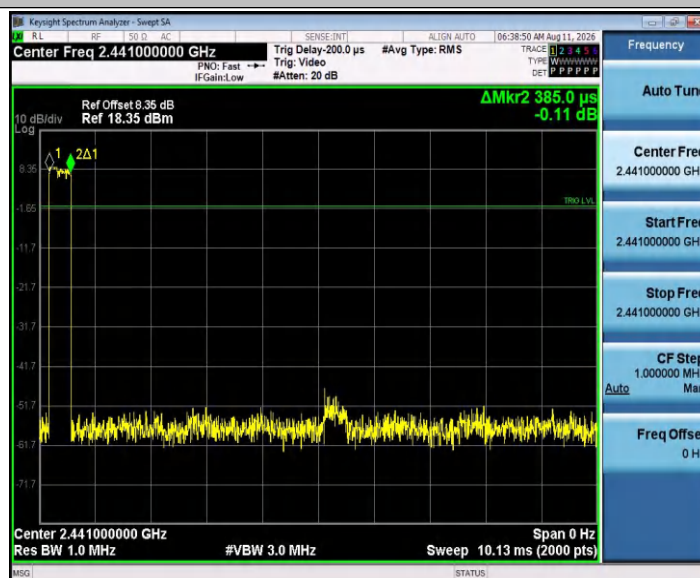
Test Graphs



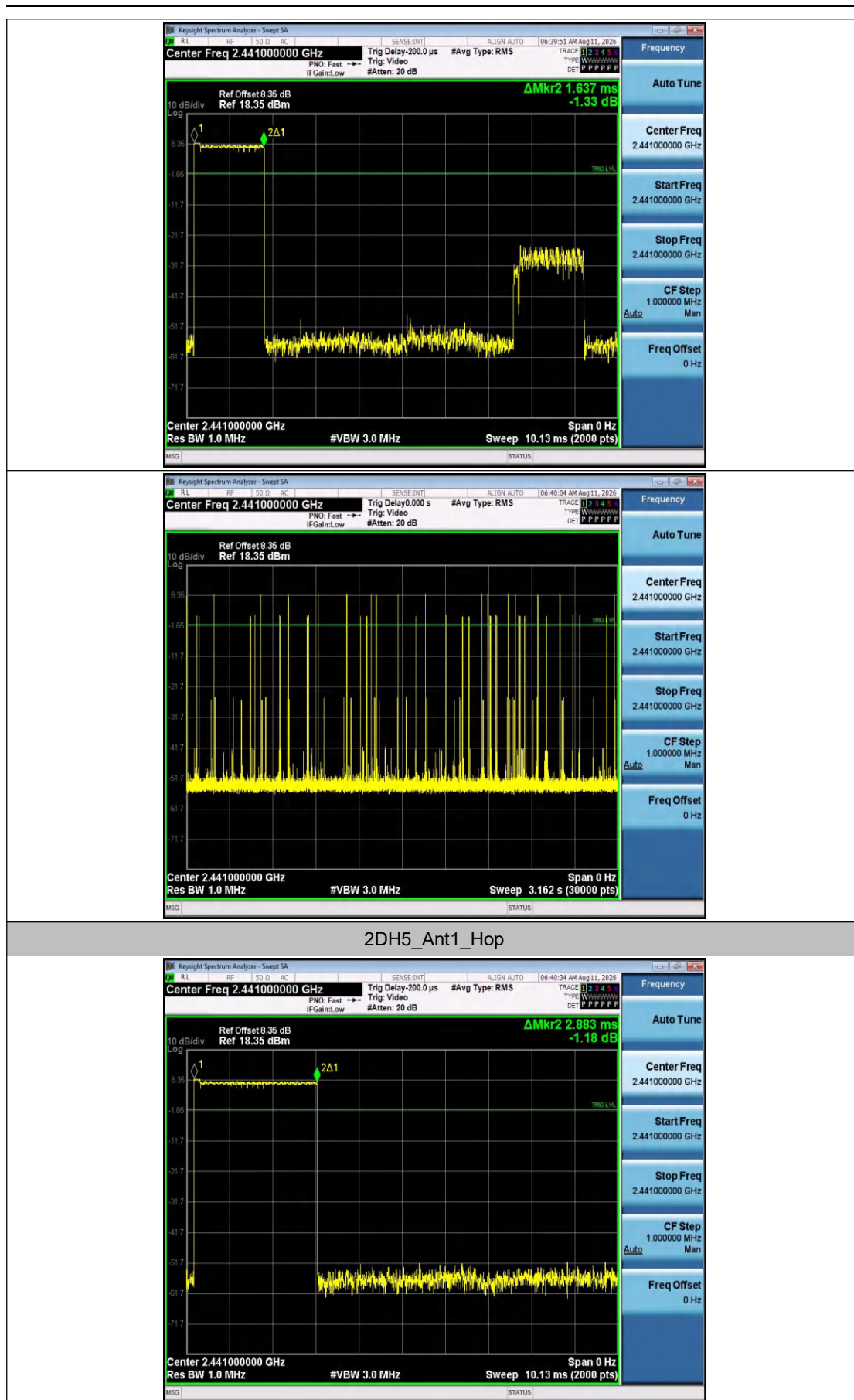


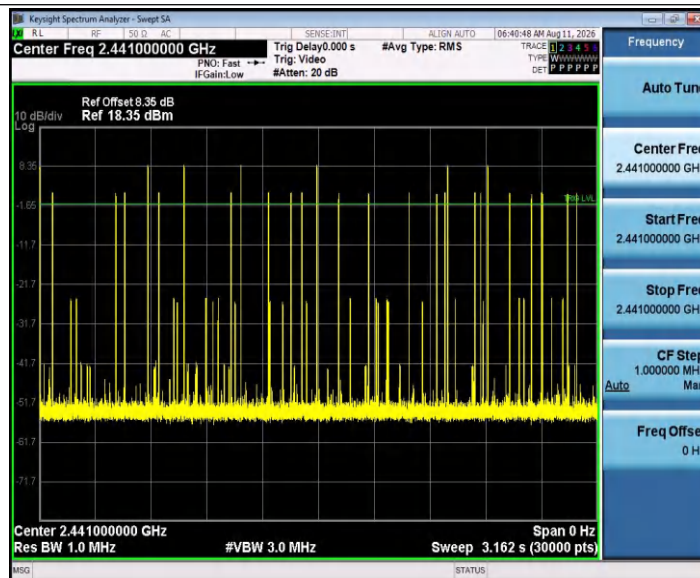


2DH1_Ant1_Hop

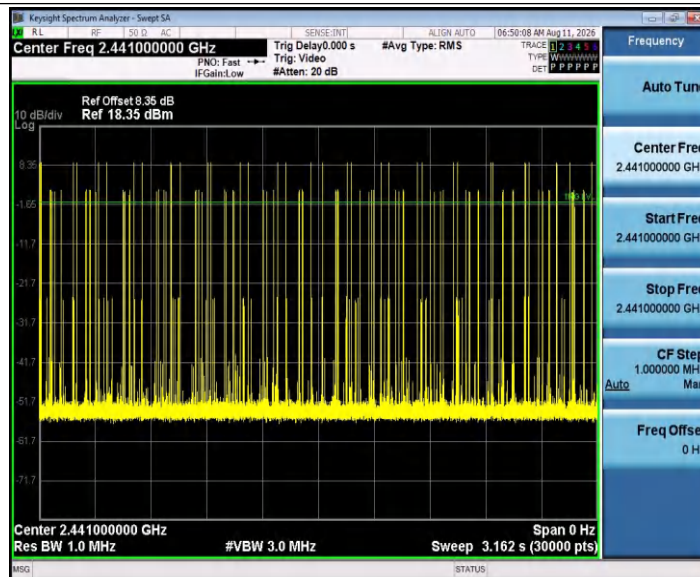
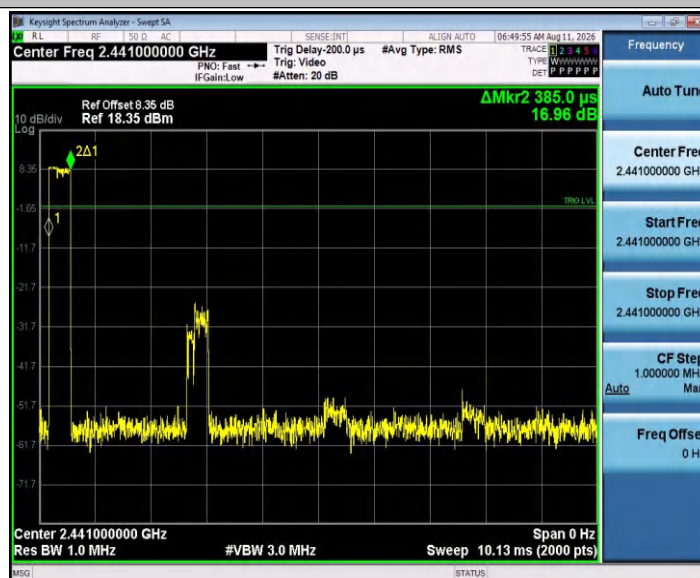


2DH3_Ant1_Hop

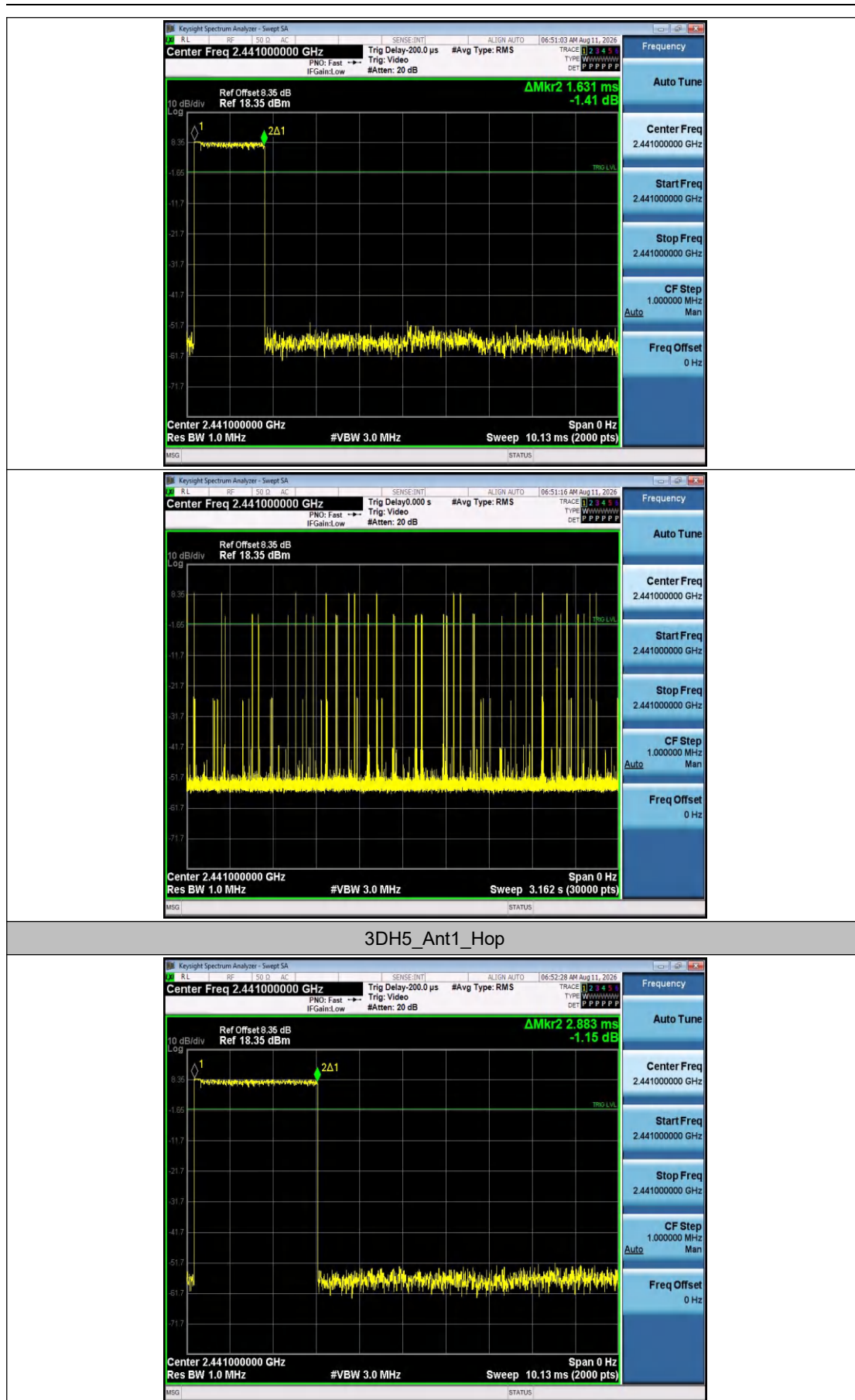


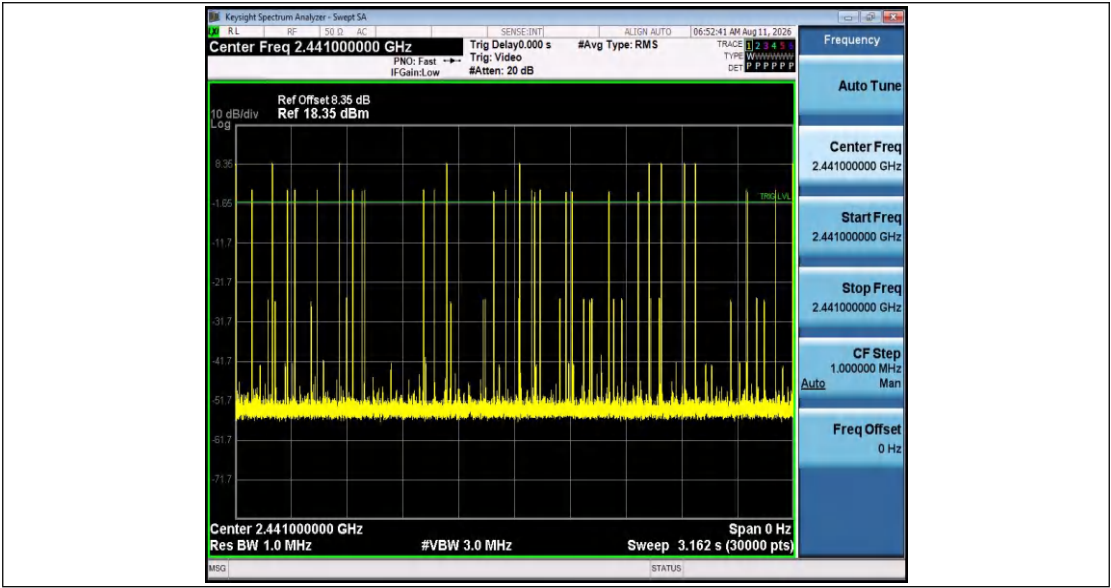


3DH1_Ant1_Hop



3DH3_Ant1_Hop





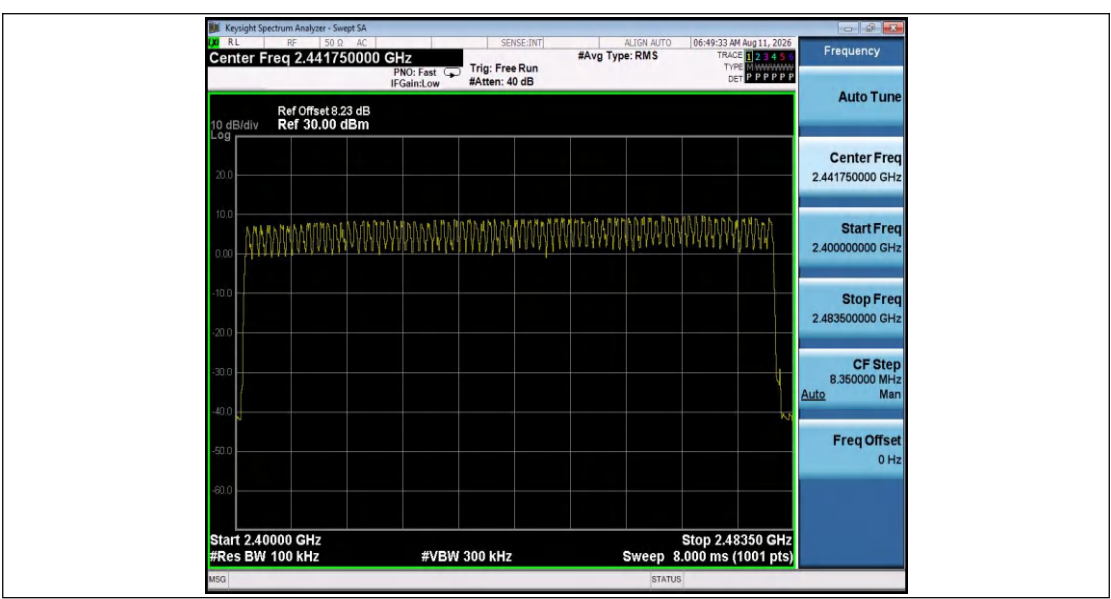
Appendix A.6: Number of hopping channels

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



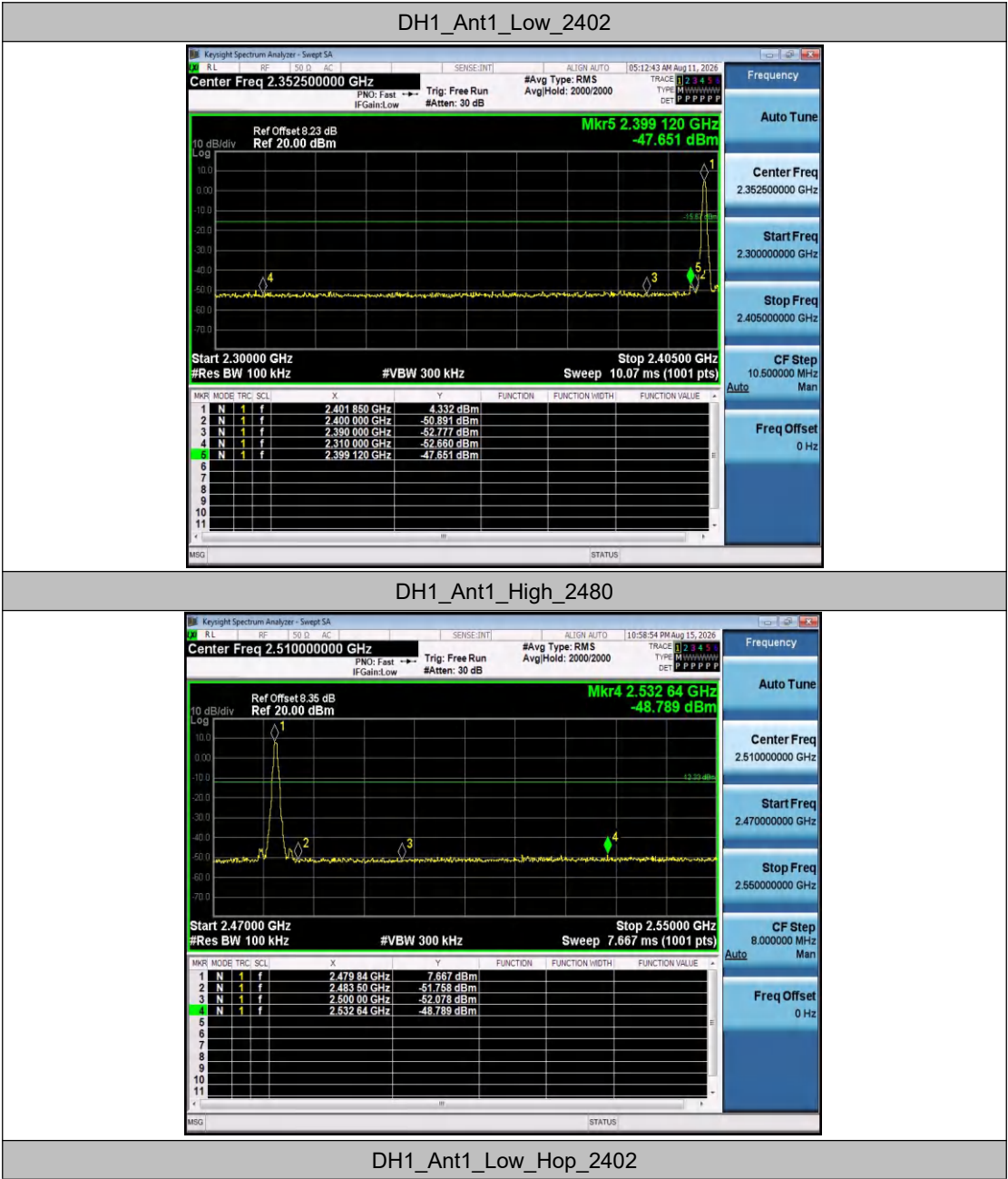


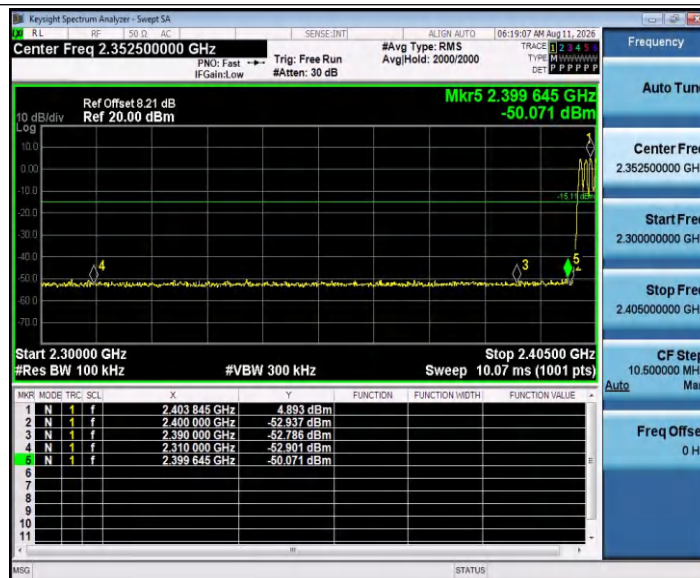
Appendix A.7: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	4.33	-47.65	≤ -15.67	PASS
		High	2480	7.67	-49.58	≤ -31.38	PASS
		Low	Hop_2402	4.89	-50.07	≤ -15.11	PASS
		High	Hop_2480	7.19	-49.45	≤ -12.81	PASS
2DH1	Ant1	Low	2402	5.15	-48.14	≤ -14.85	PASS
		High	2480	8.77	-49.07	≤ -11.23	PASS
		Low	Hop_2402	6.44	-48.87	≤ -13.56	PASS
		High	Hop_2480	8.03	-49.66	≤ -11.97	PASS
3DH1	Ant1	Low	2402	6.42	-46.36	≤ -13.58	PASS
		High	2480	8.72	-48.76	≤ -11.28	PASS
		Low	Hop_2402	6.52	-50.34	≤ -13.48	PASS
		High	Hop_2480	8.56	-49.42	≤ -11.44	PASS

Test Graphs

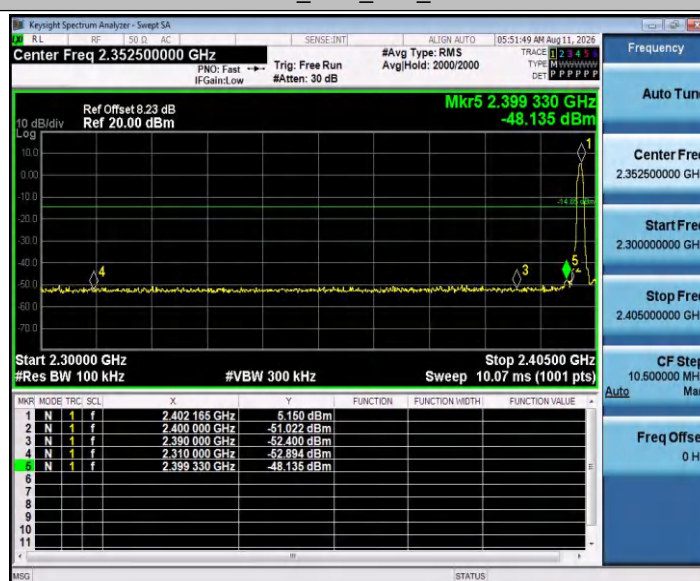




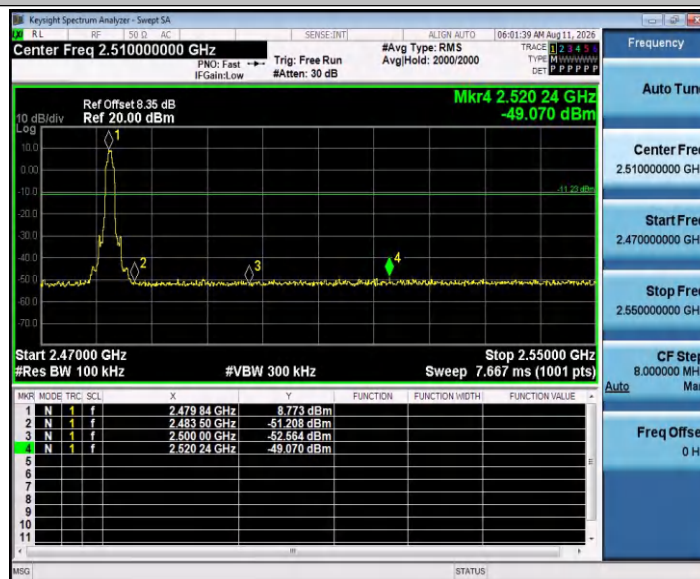
DH1_Ant1_High_Hop_2480



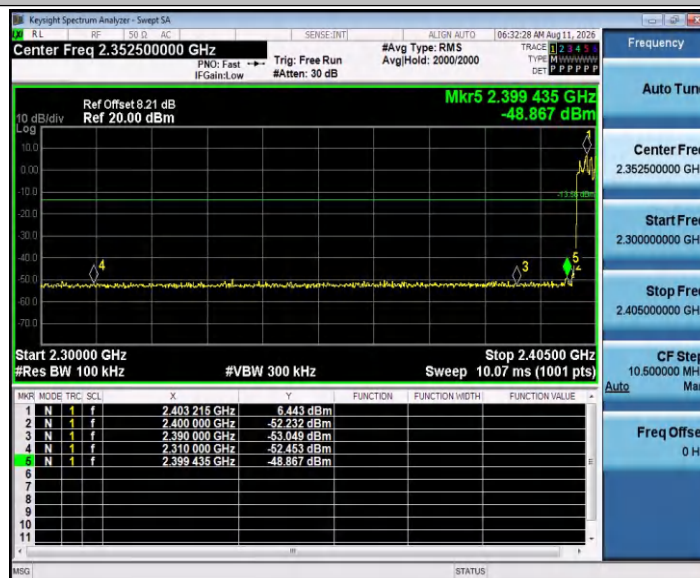
2DH1_Ant1_Low_2402



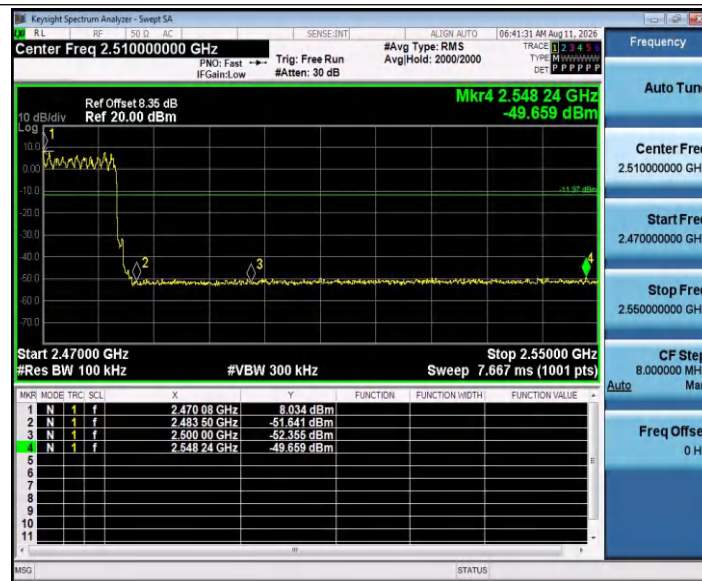
2DH1_Ant1_High_2480



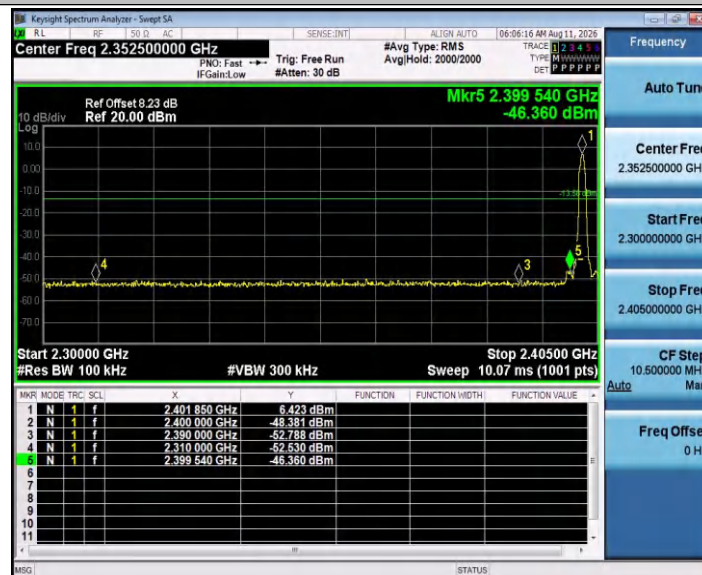
2DH1_Ant1_Low_Hop_2402



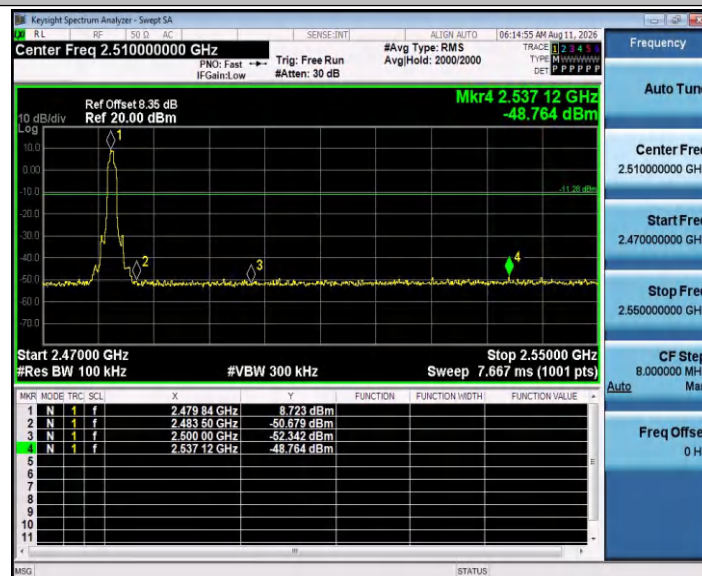
2DH1_Ant1_High_Hop_2480

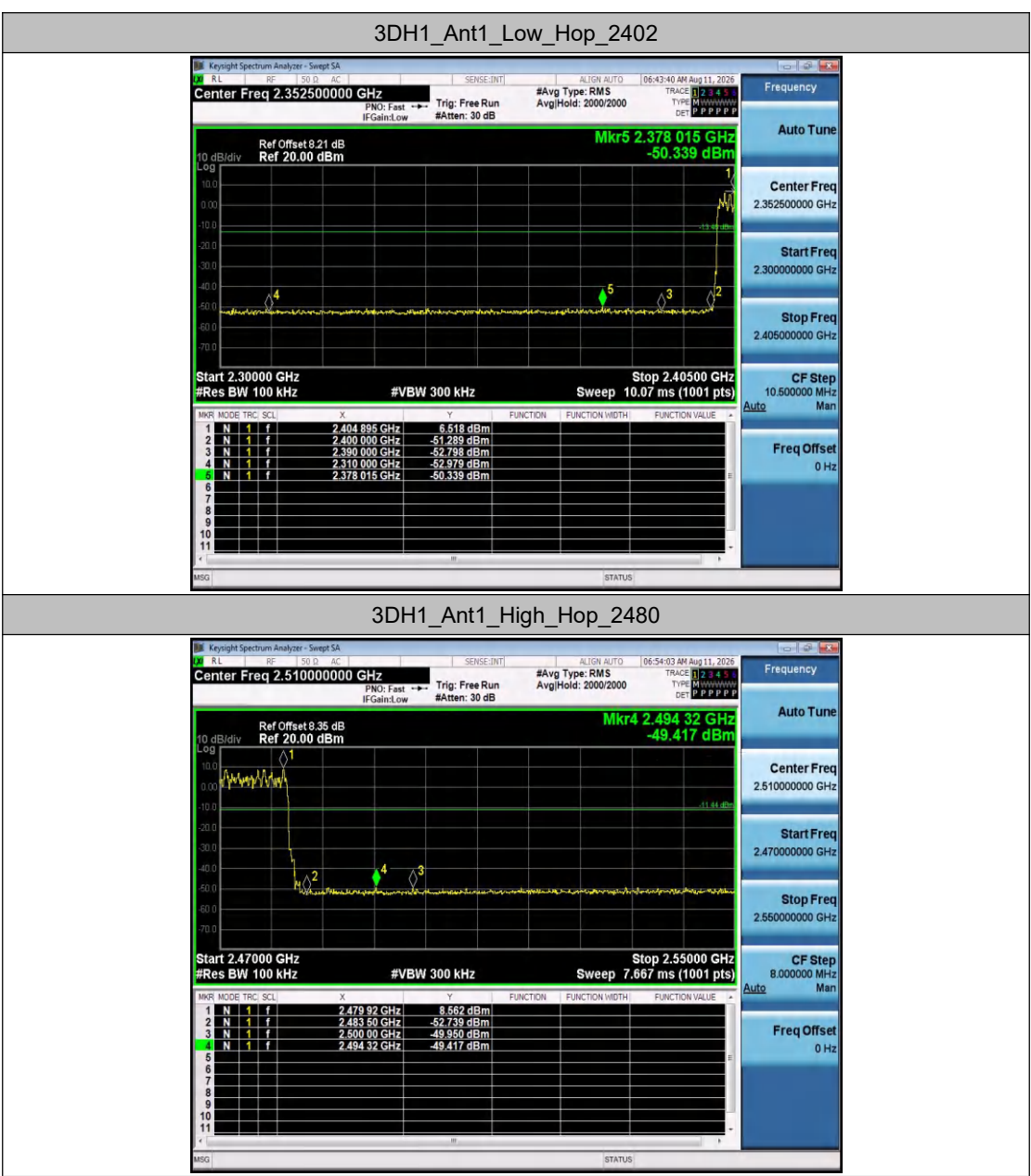


3DH1_Ant1_Low_2402



3DH1_Ant1_High_2480





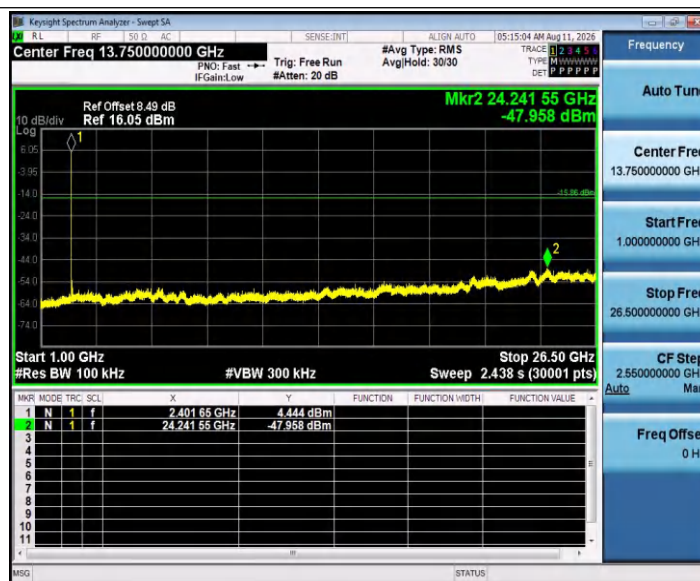
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	4.14	4.14	---	PASS
			30~1000	4.14	-62.43	≤-15.86	PASS
			1000~26500	4.14	-47.96	≤-15.86	PASS
		2441	Reference	6.24	6.24	---	PASS
			30~1000	6.24	-62.28	≤-13.76	PASS
			1000~26500	6.24	-48.1	≤-13.76	PASS
		2480	Reference	6.68	6.68	---	PASS
			30~1000	6.68	-61.47	≤-13.32	PASS
			1000~26500	6.68	-47.52	≤-13.32	PASS
2DH1	Ant1	2402	Reference	3.95	3.95	---	PASS
			30~1000	3.95	-62.24	≤-16.05	PASS
			1000~26500	3.95	-48.54	≤-16.05	PASS
		2441	Reference	7.99	7.99	---	PASS
			30~1000	7.99	-62.07	≤-12.01	PASS
			1000~26500	7.99	-48.11	≤-12.01	PASS
		2480	Reference	8.44	8.44	---	PASS
			30~1000	8.44	-62.18	≤-11.56	PASS
			1000~26500	8.44	-47.81	≤-11.56	PASS
3DH1	Ant1	2402	Reference	6.24	6.24	---	PASS
			30~1000	6.24	-61.94	≤-13.76	PASS
			1000~26500	6.24	-48.33	≤-13.76	PASS
		2441	Reference	8.13	8.13	---	PASS
			30~1000	8.13	-62.19	≤-11.87	PASS
			1000~26500	8.13	-47.94	≤-11.87	PASS
		2480	Reference	8.49	8.49	---	PASS
			30~1000	8.49	-61.66	≤-11.51	PASS
			1000~26500	8.49	-48.18	≤-11.51	PASS

Test Graphs

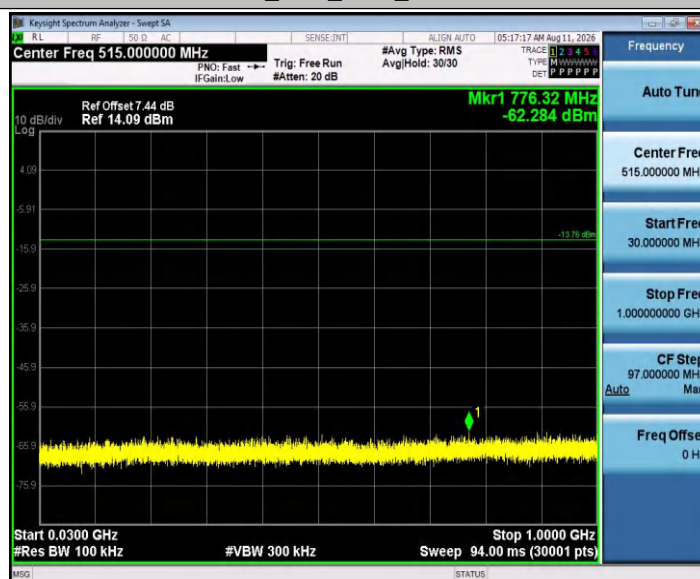




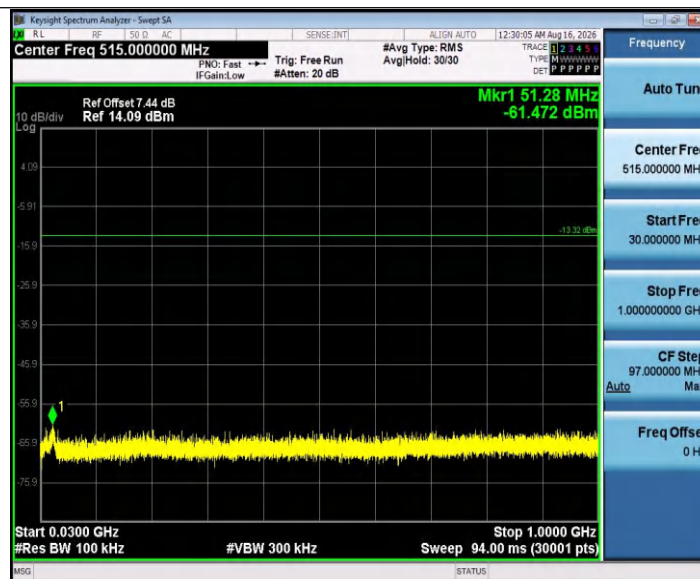
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000





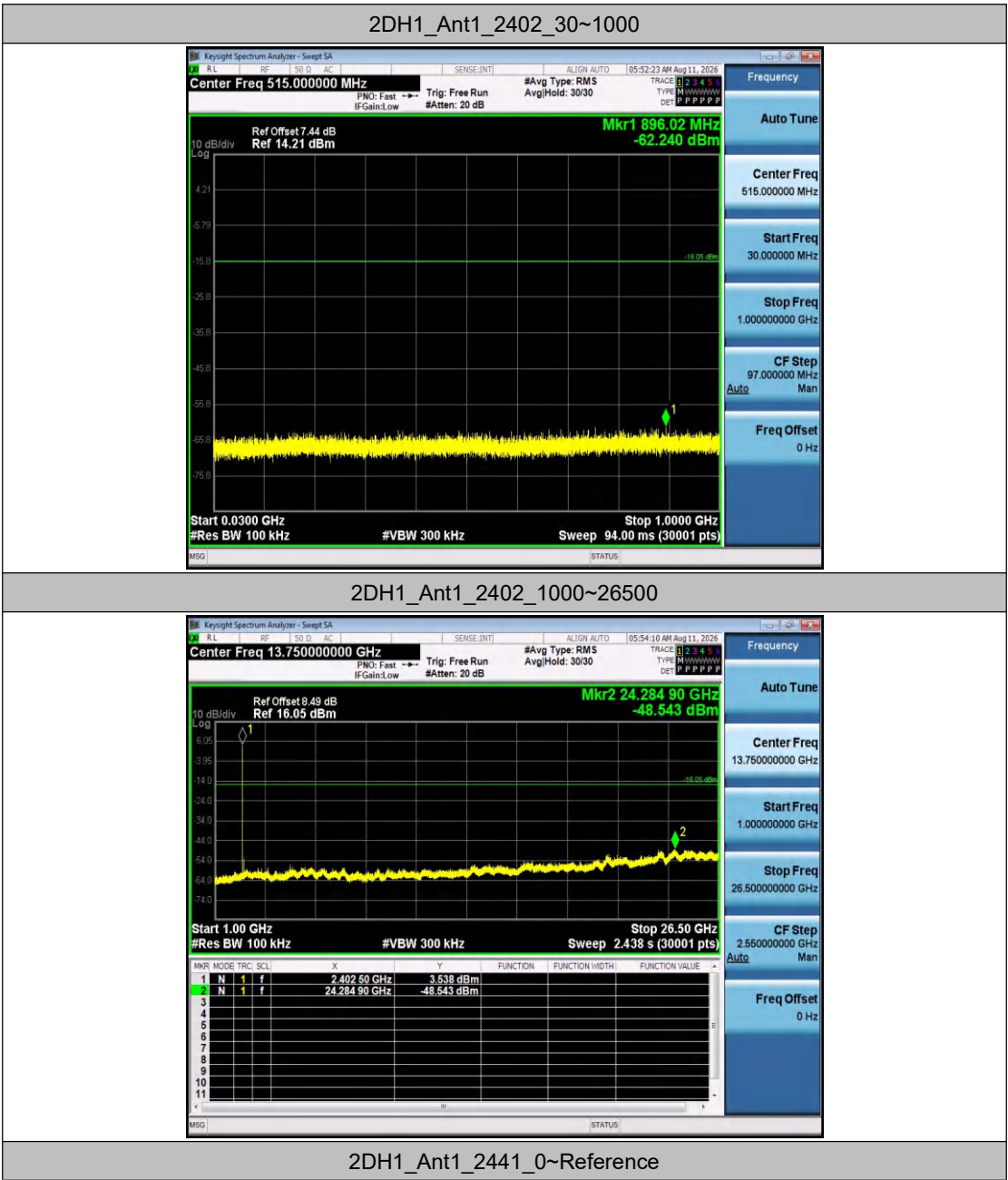


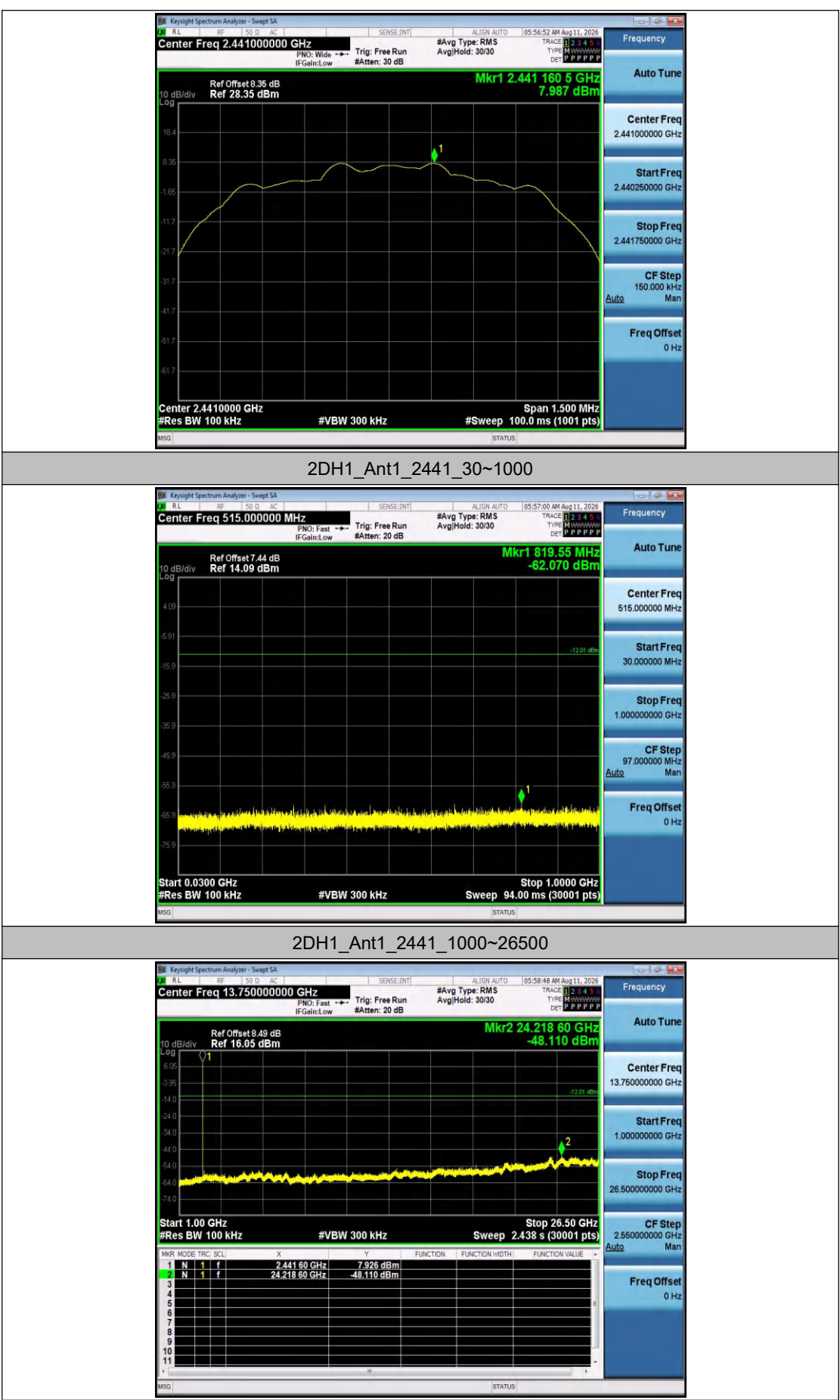
DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



2DH1_Ant1_2480_1000~26500

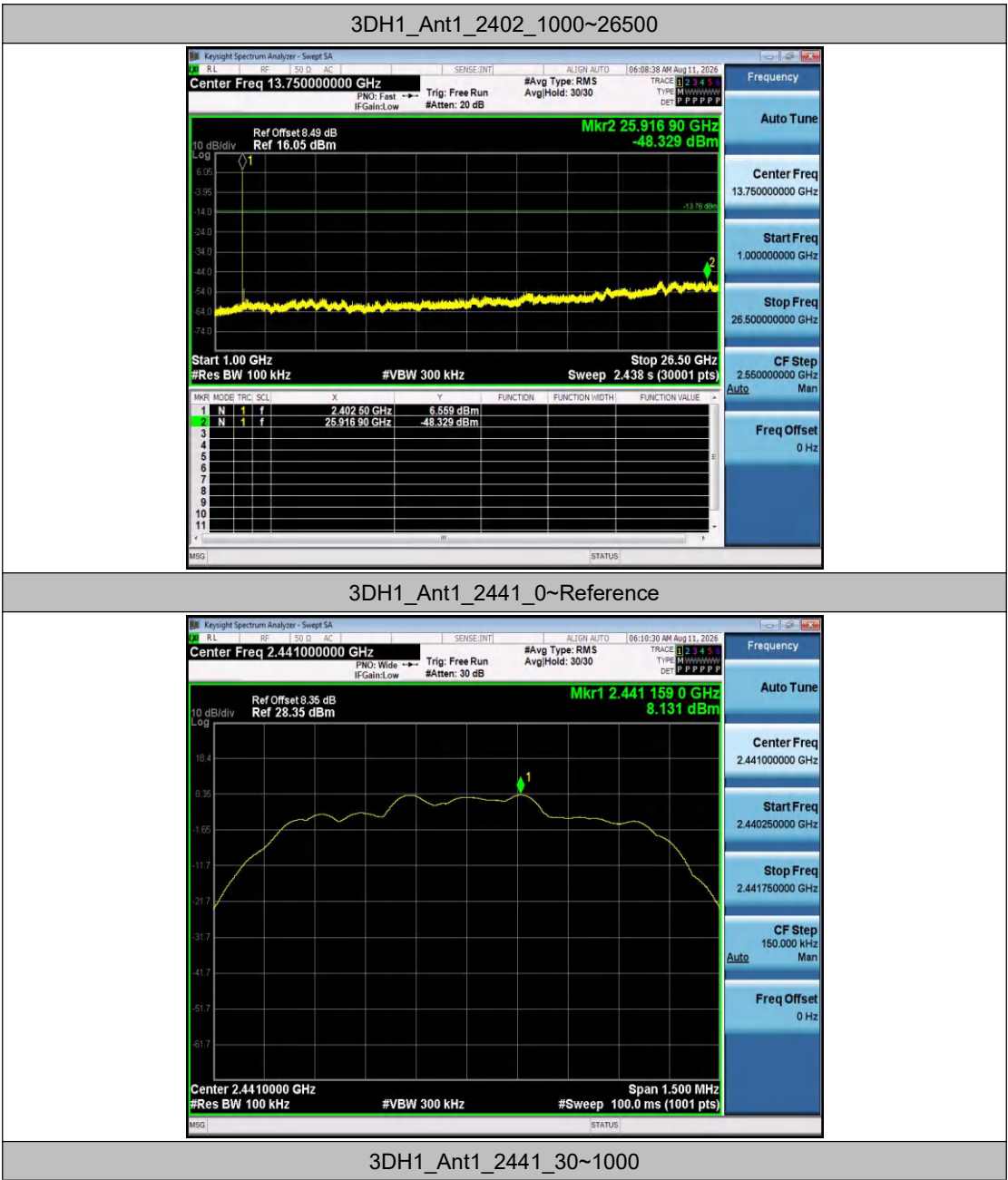


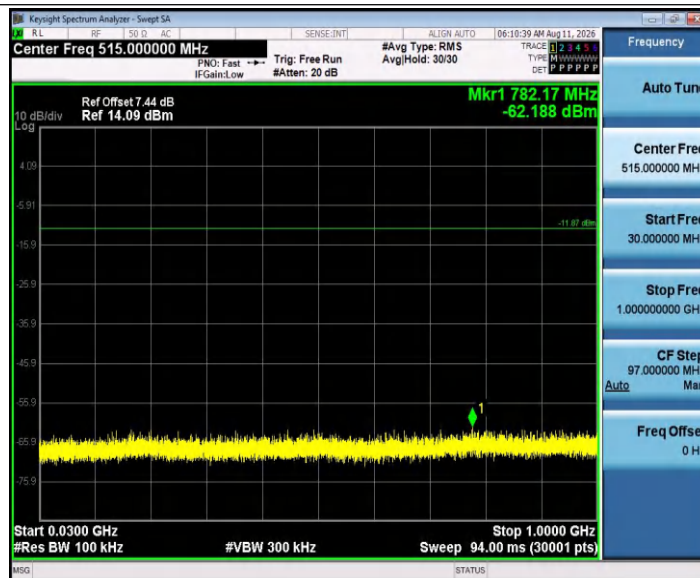
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000





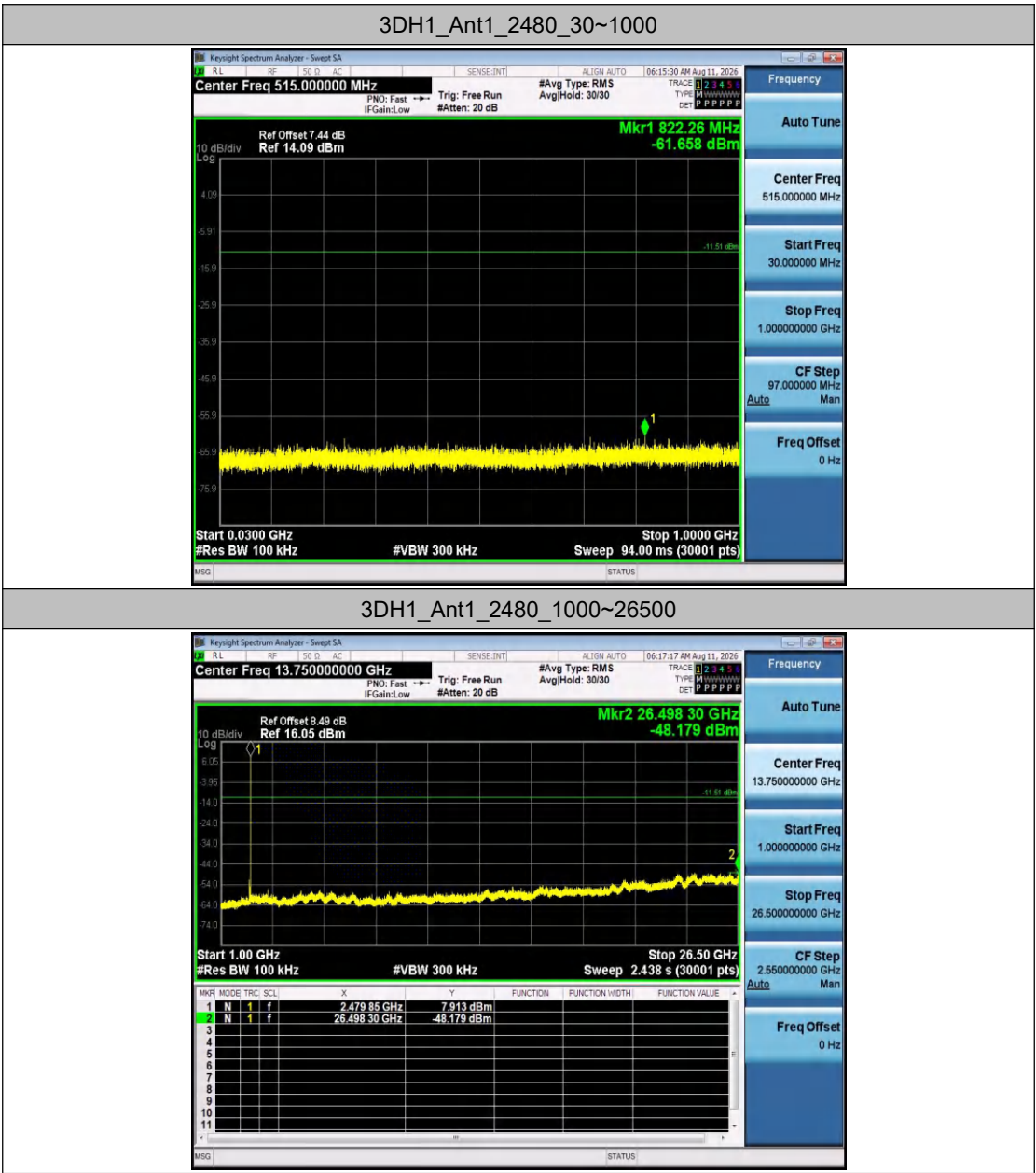


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

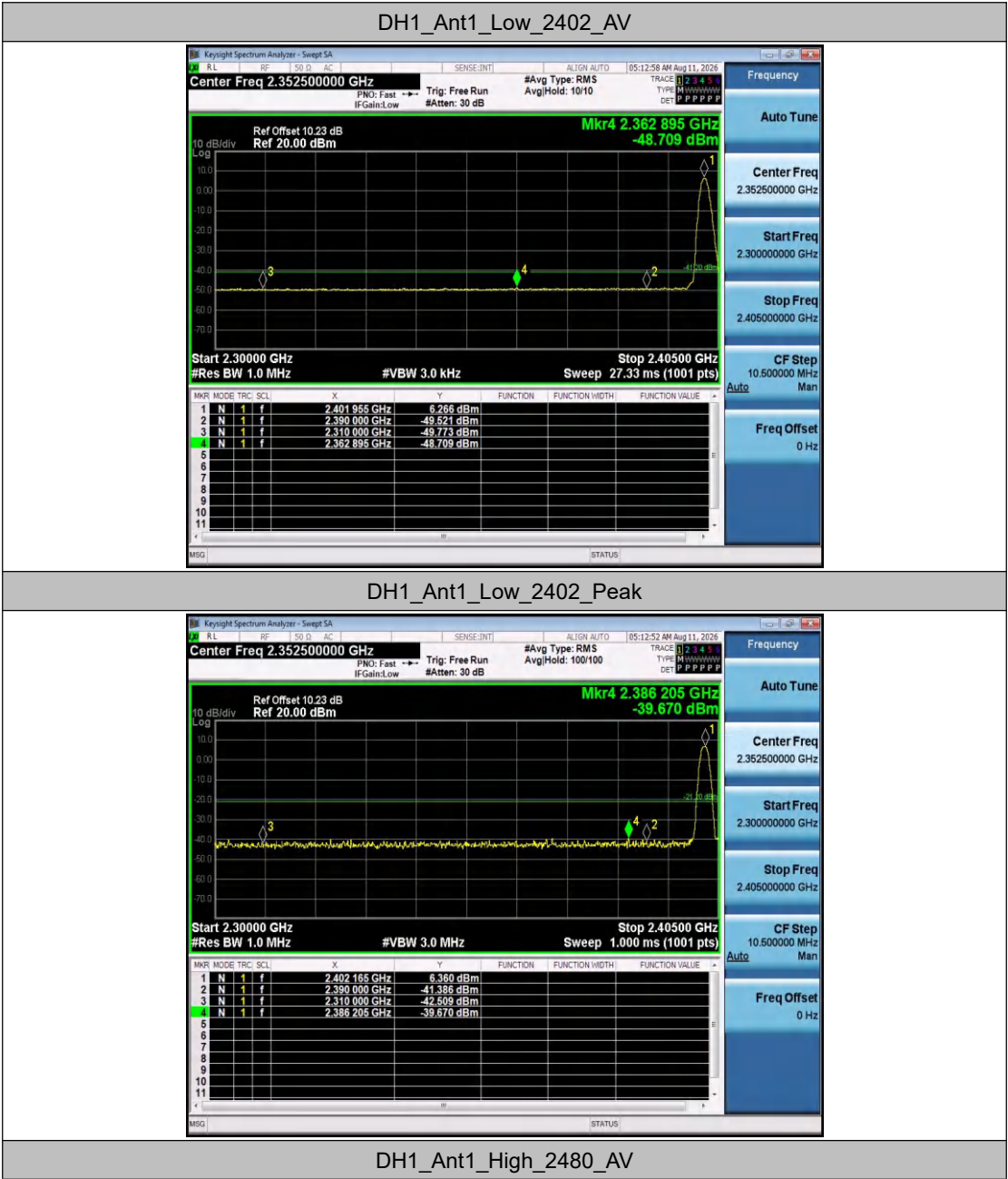
Test Result

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	-49.77	≤-41.20	45.43	≤54	PASS
				AV	2362.895	-48.71	≤-41.20	46.49	≤54	PASS
				AV	2390.000	-49.52	≤-41.20	45.68	≤54	PASS
				Peak	2310.000	-42.51	≤-21.20	52.69	≤74	PASS
				Peak	2386.205	-39.67	≤-21.20	55.53	≤74	PASS
				Peak	2390.000	-41.39	≤-21.20	53.81	≤74	PASS
		High	2480	AV	2483.500	-48.95	≤-41.20	46.25	≤54	PASS
				AV	2495.920	-48.49	≤-41.20	46.71	≤54	PASS
				AV	2500.000	-48.56	≤-41.20	46.64	≤54	PASS
				Peak	2483.500	-42.96	≤-21.20	52.24	≤74	PASS
				Peak	2487.520	-38.49	≤-21.20	56.71	≤74	PASS
				Peak	2500.000	-42.89	≤-21.20	52.31	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.96	≤-41.20	45.24	≤54	PASS
				AV	2366.675	-49.03	≤-41.20	46.17	≤54	PASS
				AV	2390.000	-49.28	≤-41.20	45.92	≤54	PASS
				Peak	2310.000	-43.06	≤-21.20	52.14	≤74	PASS
				Peak	2378.855	-39.57	≤-21.20	55.63	≤74	PASS
				Peak	2390.000	-43.2	≤-21.20	52.00	≤74	PASS
		High	2480	AV	2483.500	-44.5	≤-41.20	50.70	≤54	PASS
				AV	2483.520	-44.5	≤-41.20	50.70	≤54	PASS
				AV	2500.000	-48.66	≤-41.20	46.54	≤54	PASS
				Peak	2483.500	-40.43	≤-21.20	54.77	≤74	PASS
				Peak	2490.800	-39.74	≤-21.20	55.46	≤74	PASS
				Peak	2500.000	-42.83	≤-21.20	52.37	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.71	≤-41.20	45.49	≤54	PASS
				AV	2386.415	-48.96	≤-41.20	46.24	≤54	PASS
				AV	2390.000	-49.44	≤-41.20	45.76	≤54	PASS
				Peak	2310.000	-43.54	≤-21.20	51.66	≤74	PASS
				Peak	2327.615	-39.64	≤-21.20	55.56	≤74	PASS
				Peak	2390.000	-42.19	≤-21.20	53.01	≤74	PASS
		High	2480	AV	2483.500	-44.74	≤-41.20	50.46	≤54	PASS
				AV	2483.520	-44.74	≤-41.20	50.46	≤54	PASS
				AV	2500.000	-48.75	≤-41.20	46.45	≤54	PASS
				Peak	2483.500	-40.32	≤-21.20	54.88	≤74	PASS
				Peak	2496.160	-39.86	≤-21.20	55.34	≤74	PASS
				Peak	2500.000	-40.24	≤-21.20	54.96	≤74	PASS

Note:

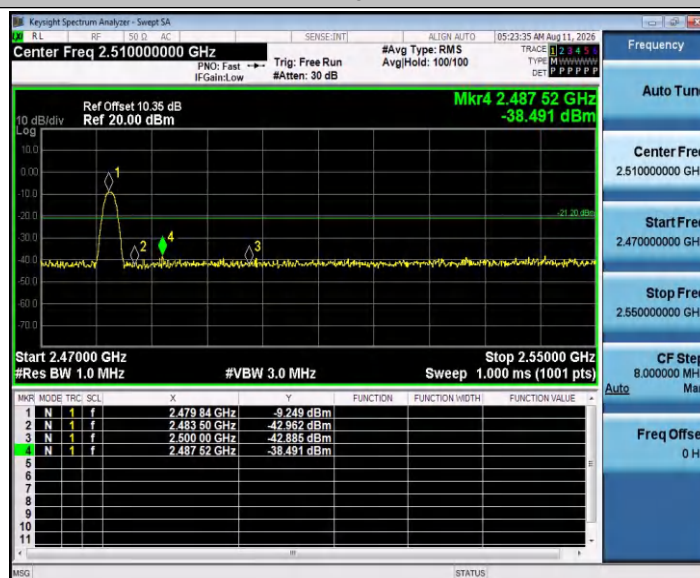
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

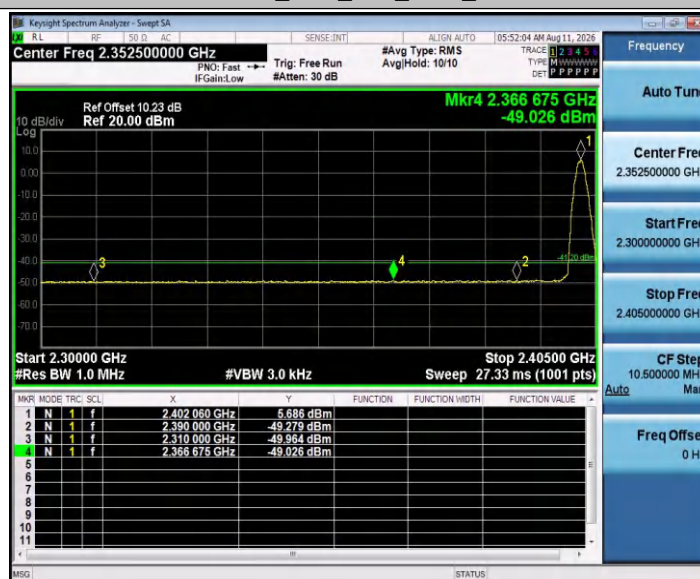


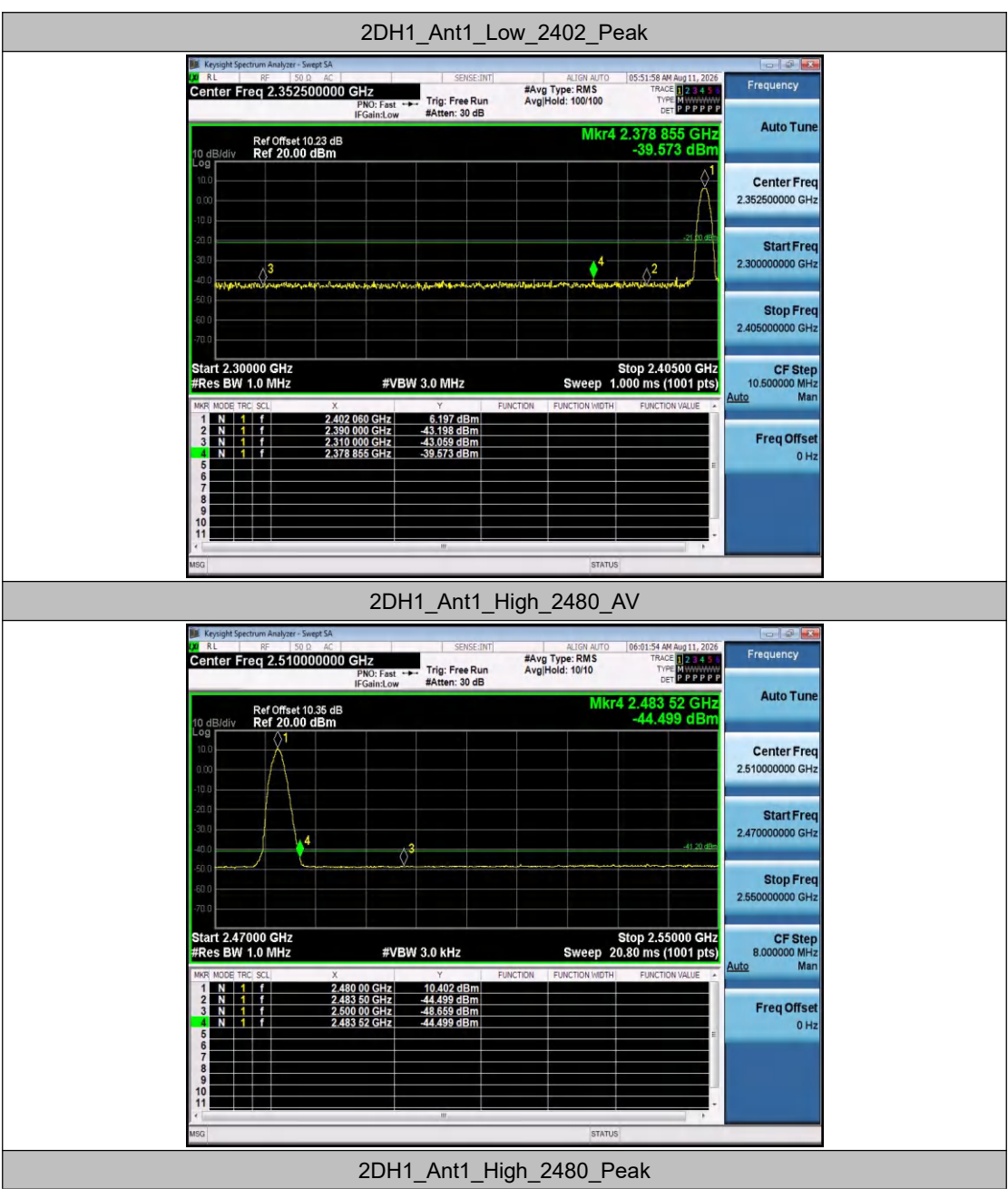


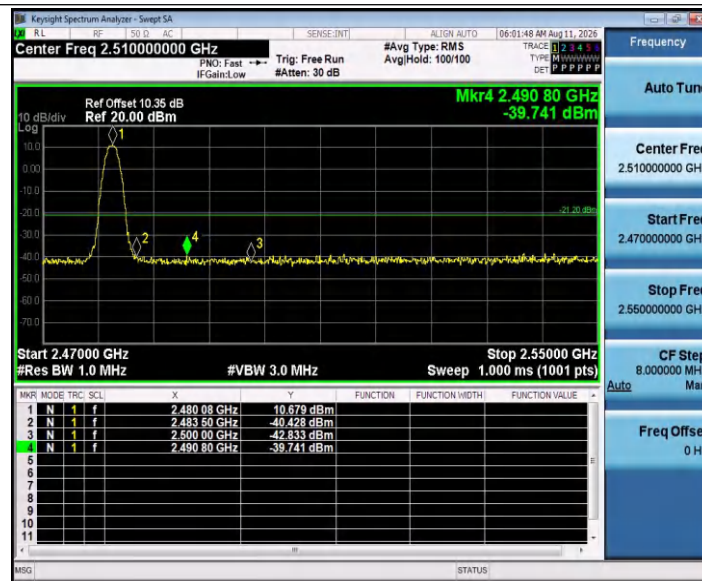
DH1_Ant1_High_2480_Peak



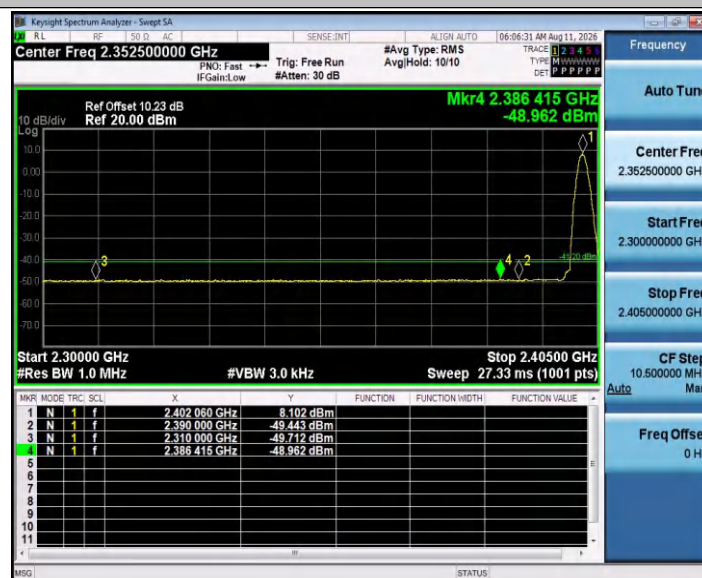
2DH1_Ant1_Low_2402_AV







3DH1_Ant1_Low_2402_AV



3DH1_Ant1_Low_2402_Peak

