

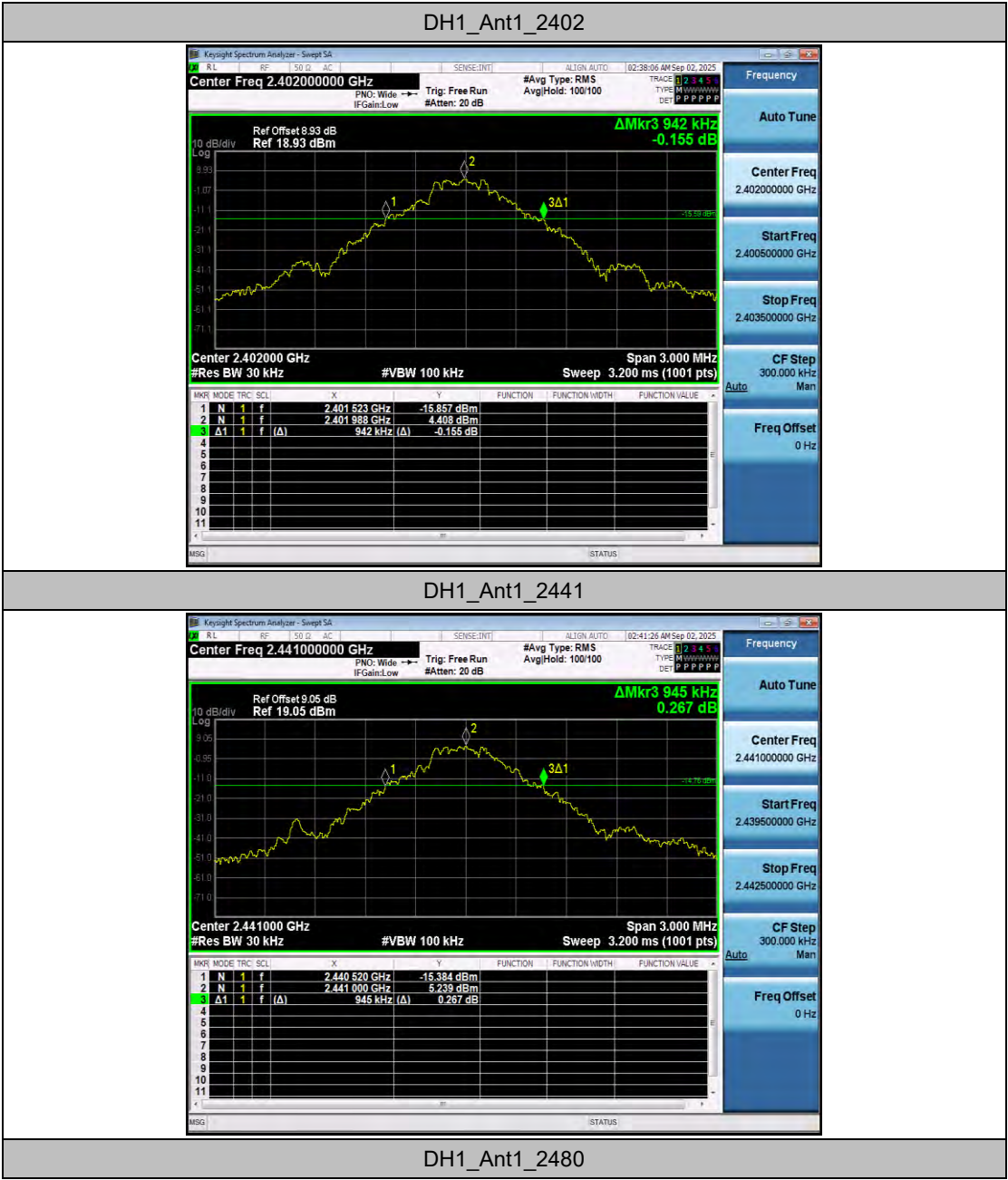
Case No. : <u>GTS20250626004-4-1</u>	
Ambient Condition: <u>22</u> °C, <u>59</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.9.2</u>	Test Engineer: <u>Evan ouyang</u>

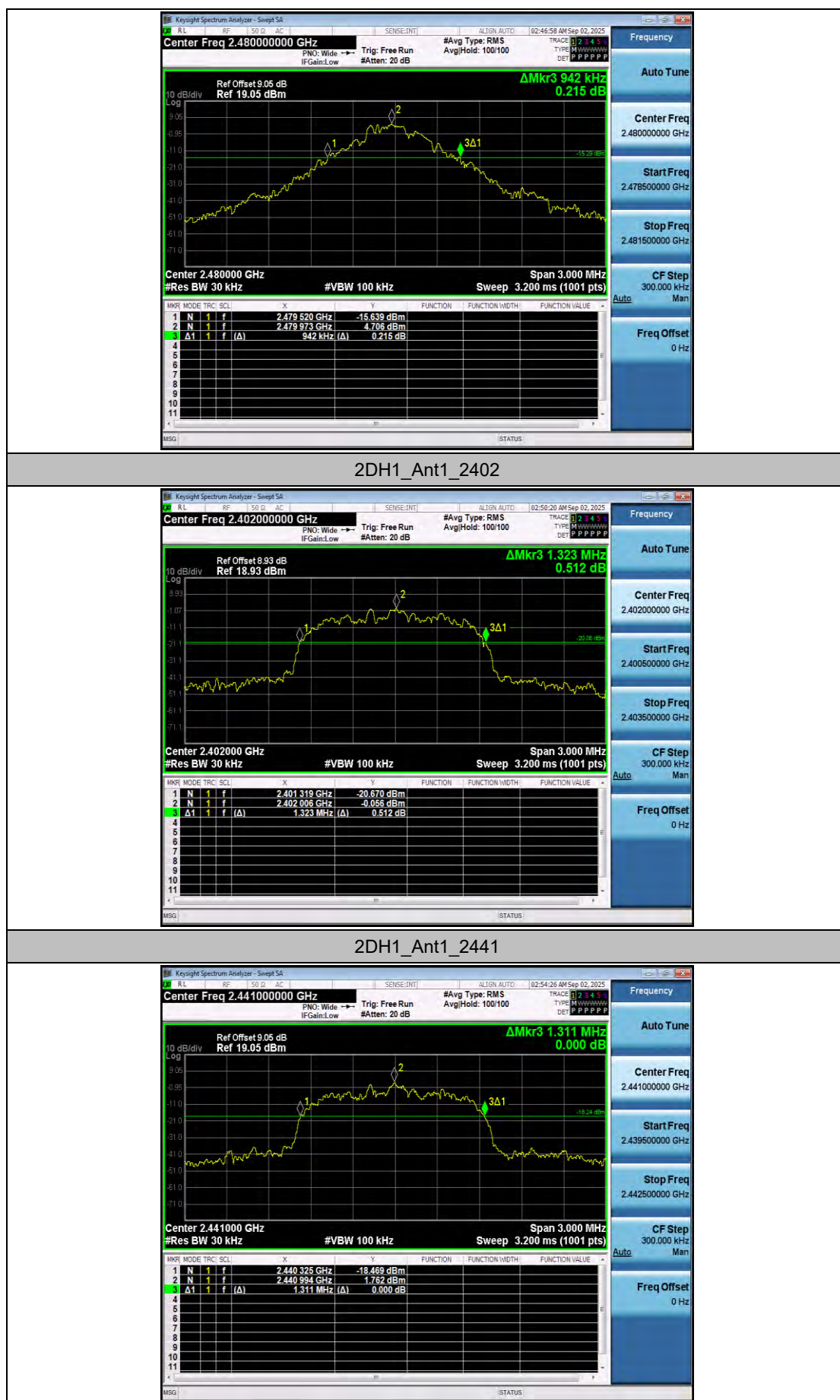
Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.942	2401.523	2402.465	---	---
		2441	0.945	2440.520	2441.465	---	---
		2480	0.942	2479.520	2480.462	---	---
2DH1	Ant1	2402	1.323	2401.319	2402.642	---	---
		2441	1.311	2440.325	2441.636	---	---
		2480	1.320	2479.322	2480.642	---	---
3DH1	Ant1	2402	1.260	2401.361	2402.621	---	---
		2441	1.275	2440.349	2441.624	---	---
		2480	1.260	2479.361	2480.621	---	---

Test Graphs





2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441

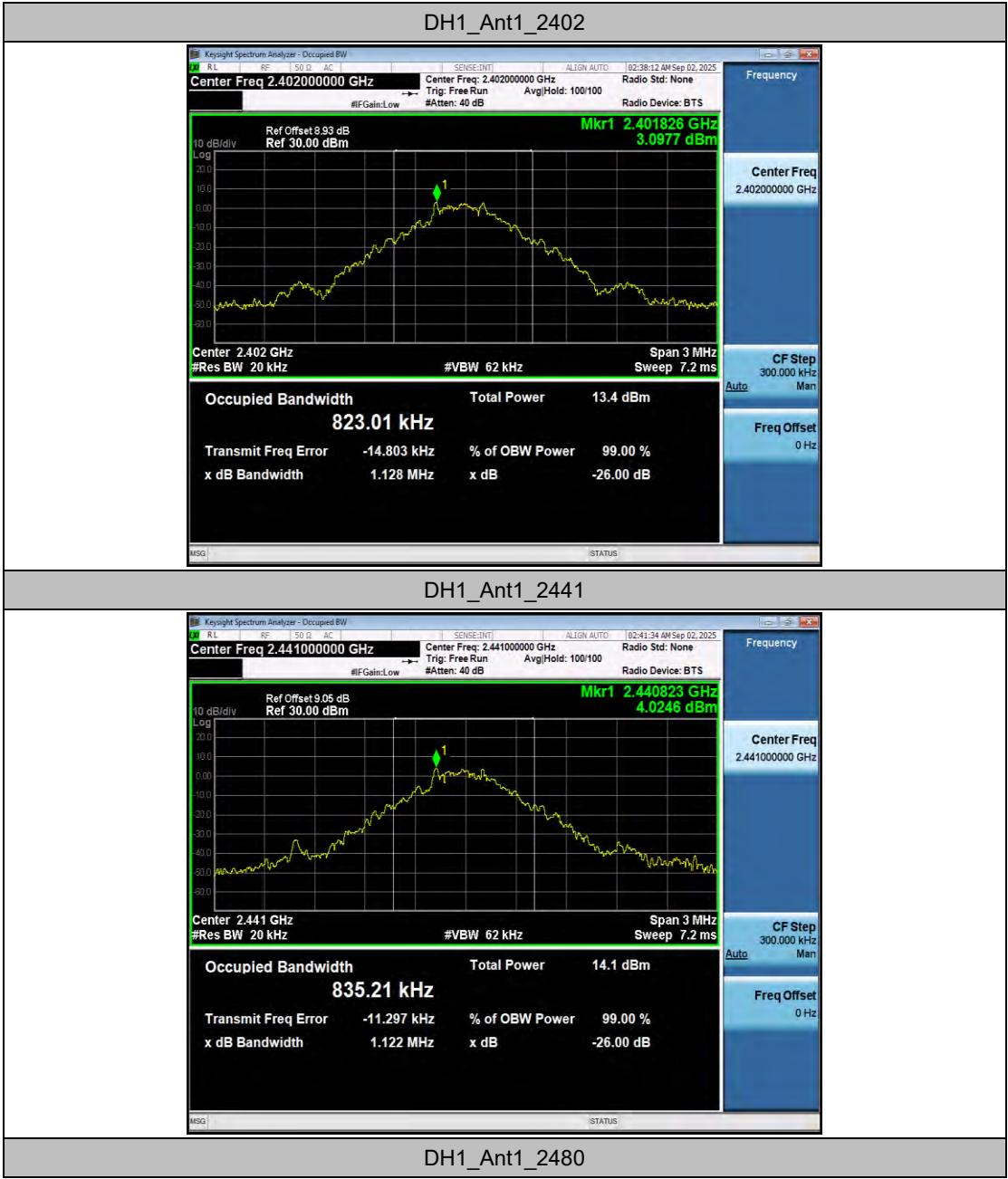


Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.82301	2401.5737	2402.3967	---	---
		2441	0.83521	2440.5711	2441.4063	---	---
		2480	0.83632	2479.5649	2480.4012	---	---
2DH1	Ant1	2402	1.1762	2401.3966	2402.5728	---	---
		2441	1.1760	2440.3940	2441.5700	---	---
		2480	1.1779	2479.3907	2480.5686	---	---
3DH1	Ant1	2402	1.1636	2401.4189	2402.5825	---	---
		2441	1.1646	2440.4167	2441.5813	---	---
		2480	1.1628	2479.4138	2480.5766	---	---

Test Graphs



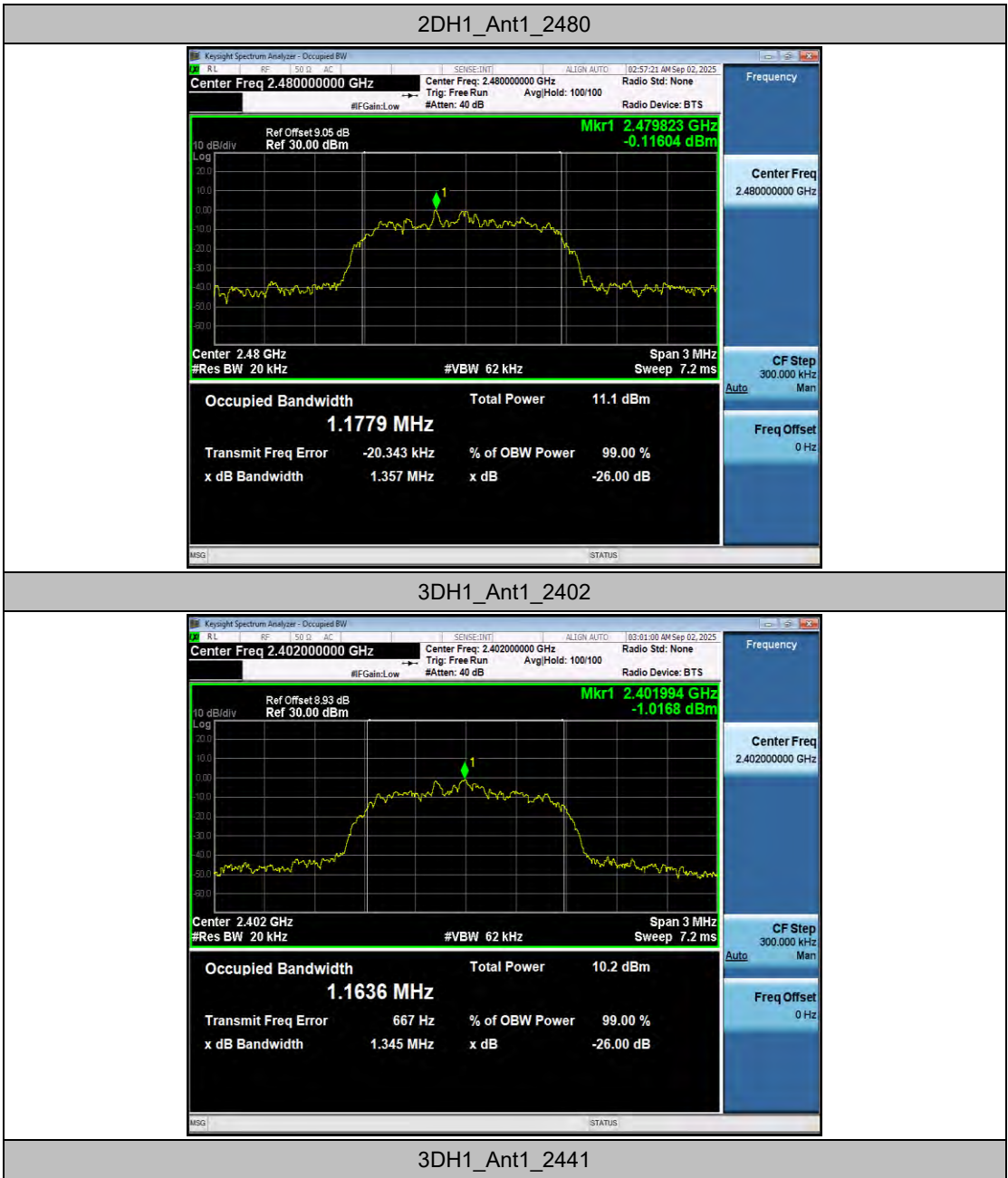


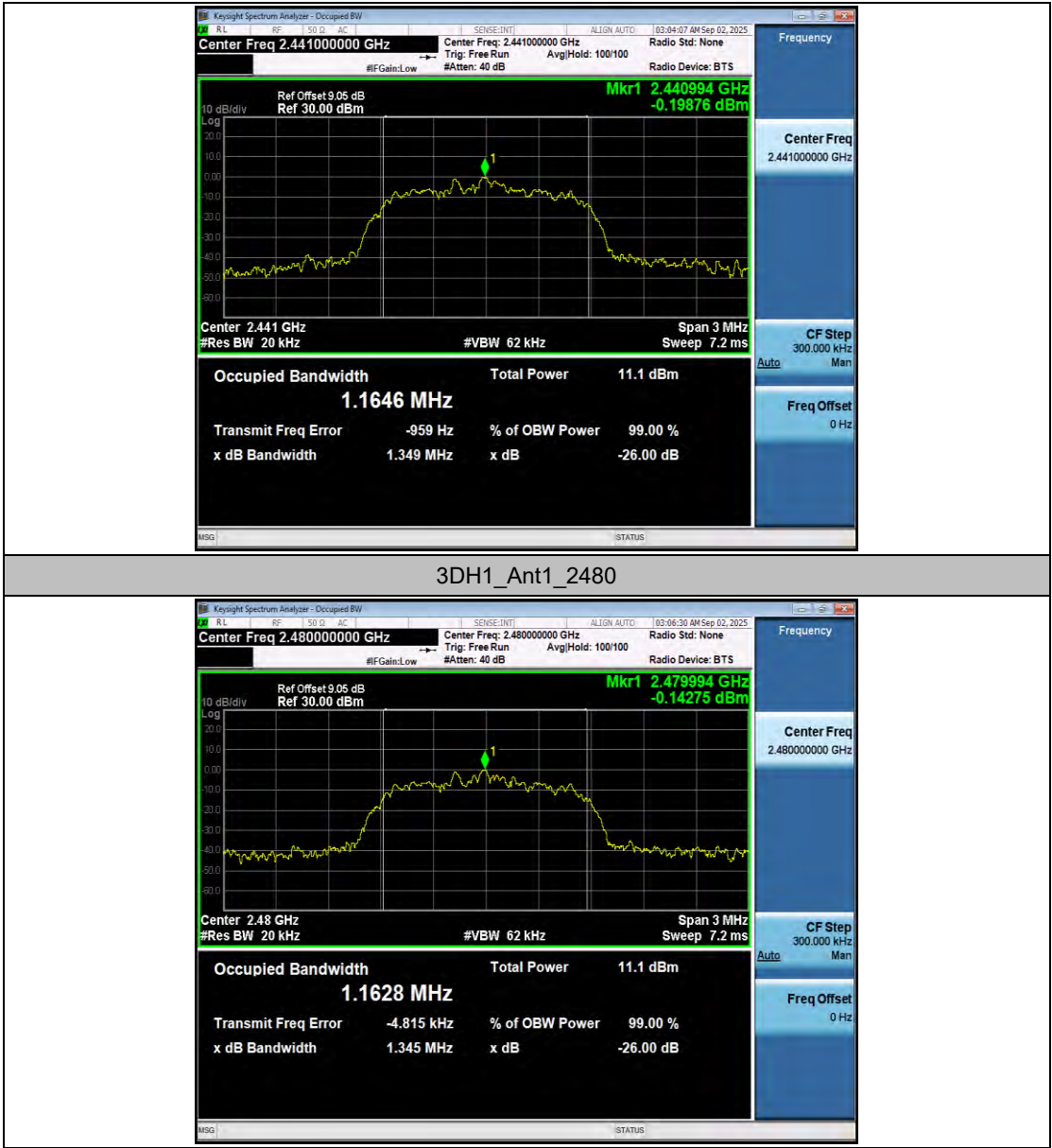
2DH1_Ant1_2402



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	7.45	≤20.97	PASS
		2441	8.39	≤20.97	PASS
		2480	8.21	≤20.97	PASS
2DH1	Ant1	2402	6.43	≤20.97	PASS
		2441	7.35	≤20.97	PASS
		2480	7.42	≤20.97	PASS
3DH1	Ant1	2402	6.82	≤20.97	PASS
		2441	7.76	≤20.97	PASS
		2480	7.78	≤20.97	PASS

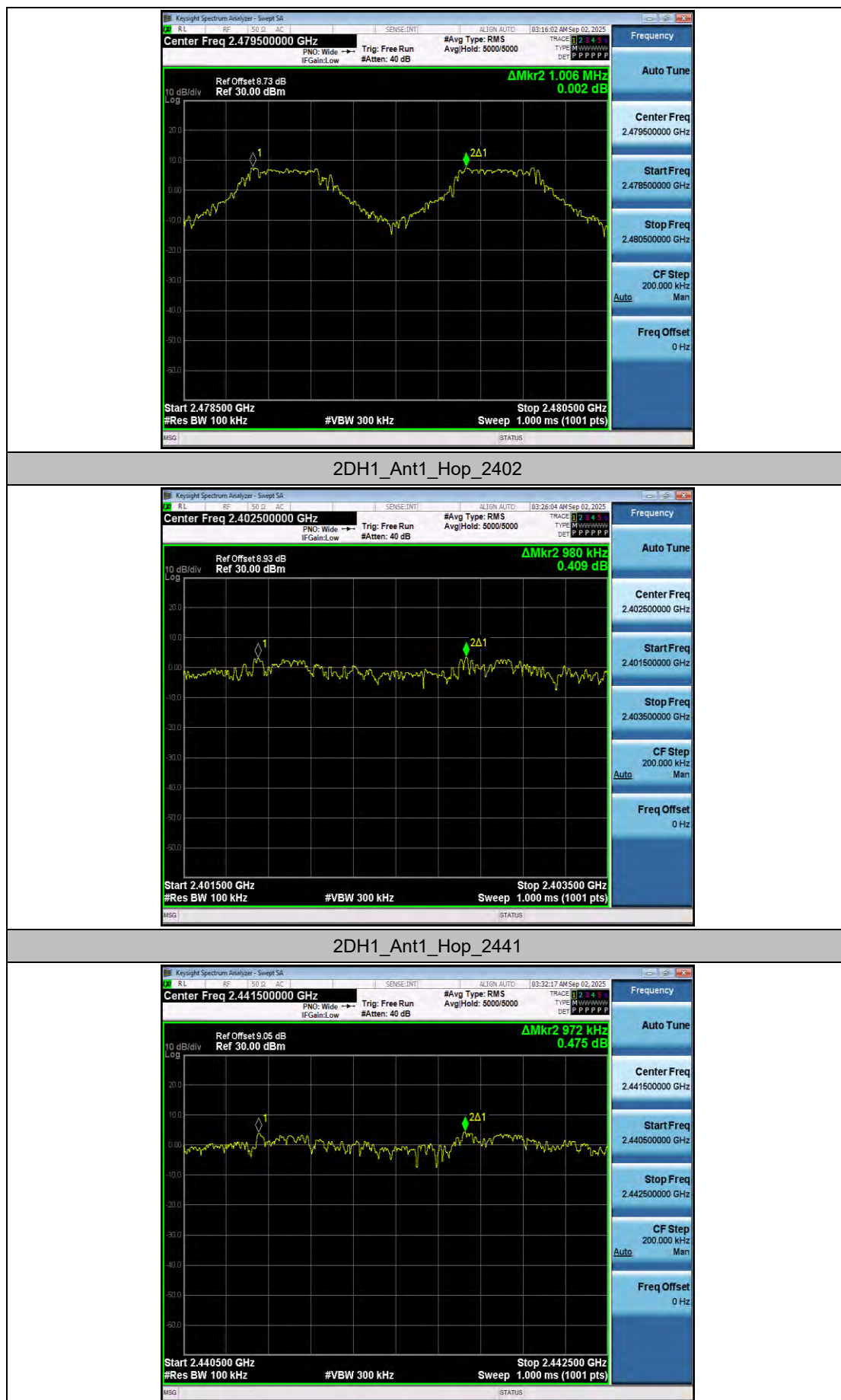
Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.322	≥ 0.629	PASS
		Hop_2441	0.998	≥ 0.629	PASS
		Hop_2480	1.006	≥ 0.629	PASS
2DH1	Ant1	Hop_2402	0.98	≥ 0.882	PASS
		Hop_2441	0.972	≥ 0.882	PASS
		Hop_2480	1.142	≥ 0.882	PASS
3DH1	Ant1	Hop_2402	1.15	≥ 0.850	PASS
		Hop_2441	1.002	≥ 0.850	PASS
		Hop_2480	1.002	≥ 0.850	PASS

Test Graphs





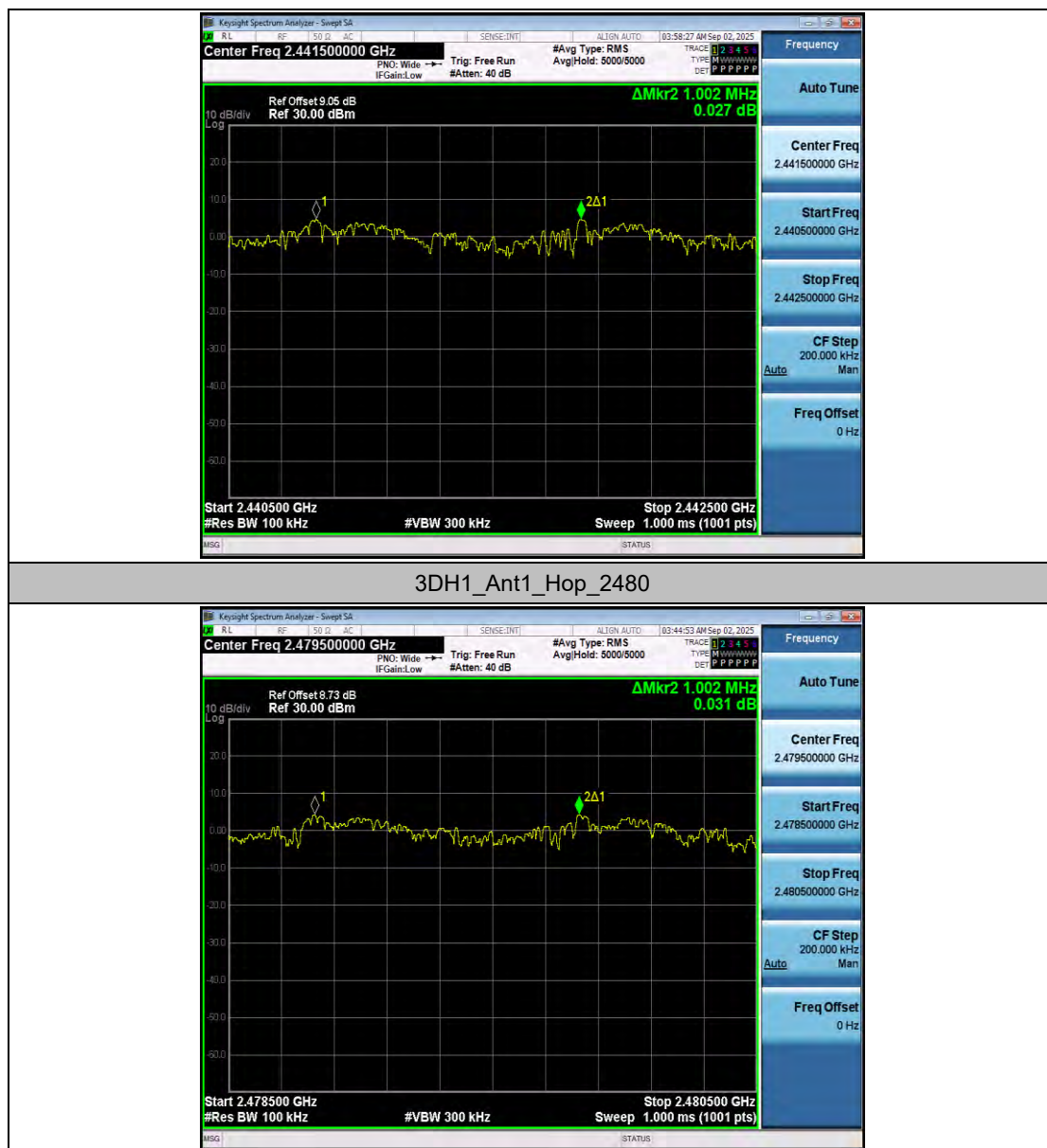
2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



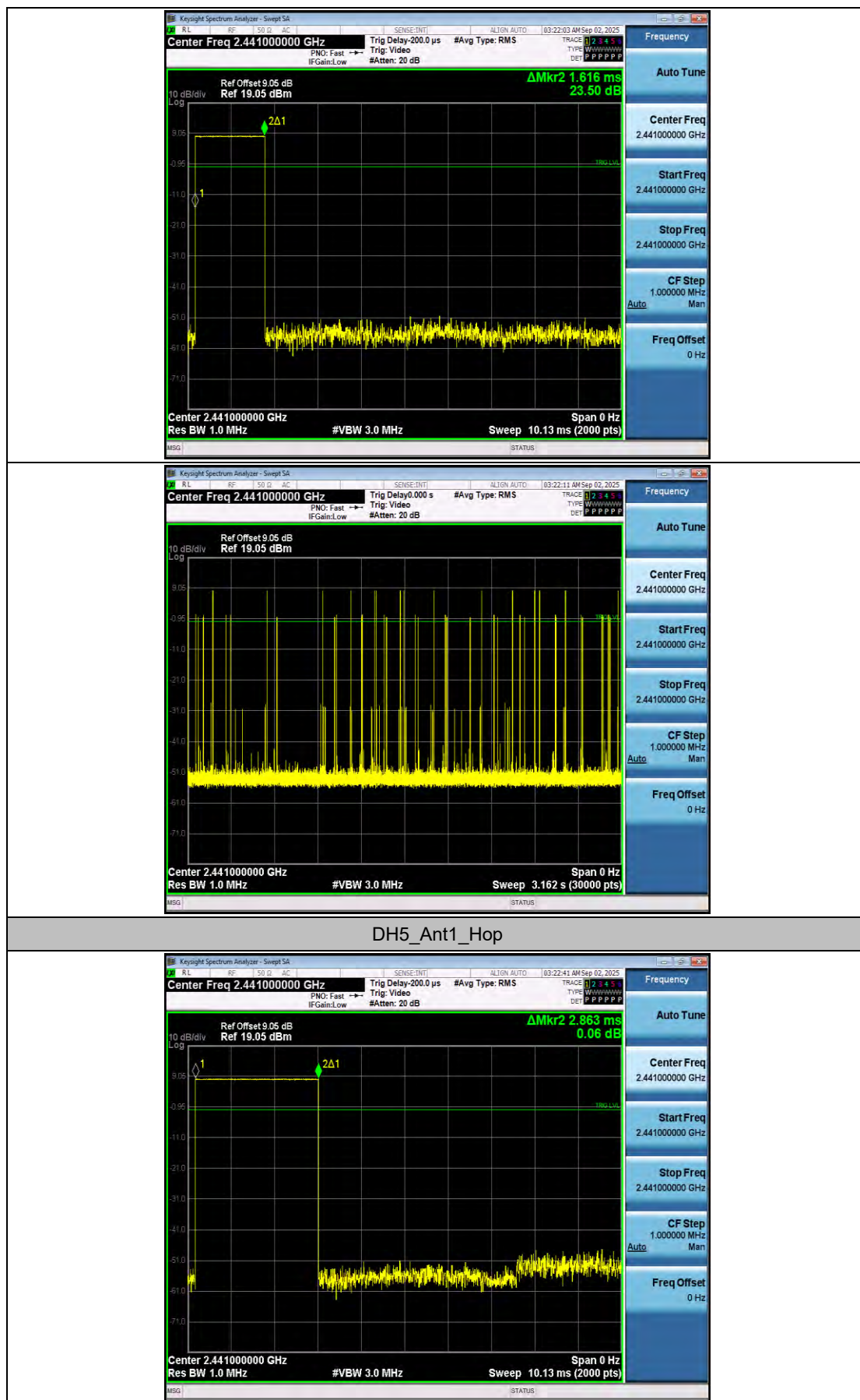
3DH1_Ant1_Hop_2441

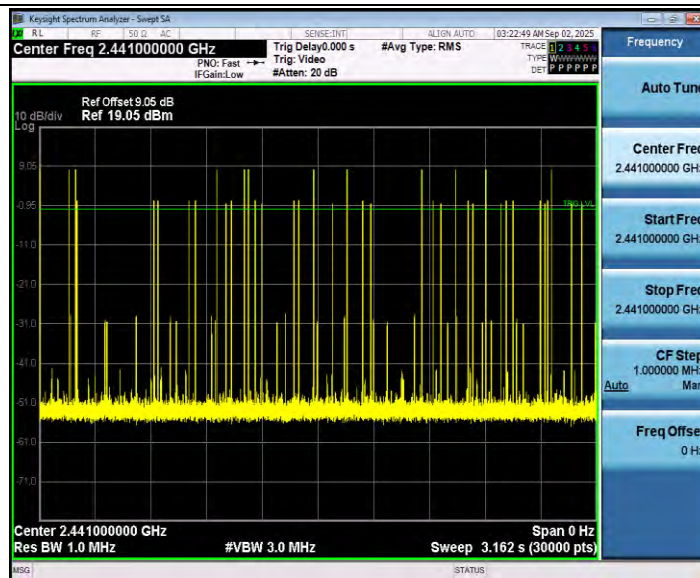


Appendix A.5: Time of occupancy

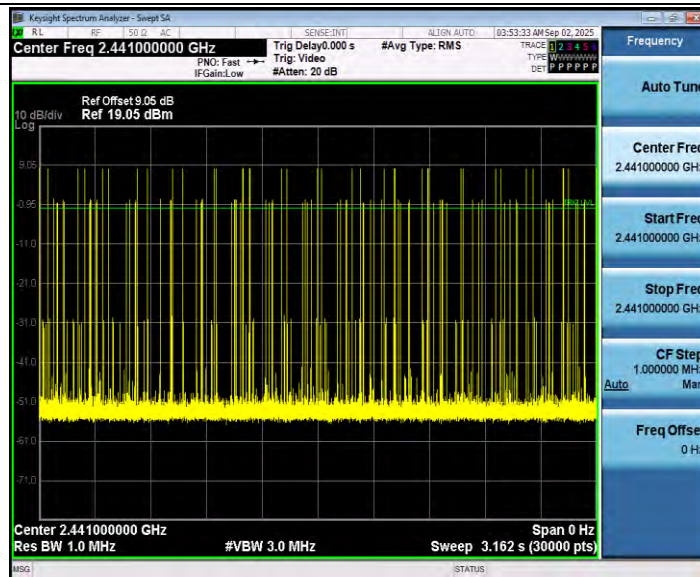
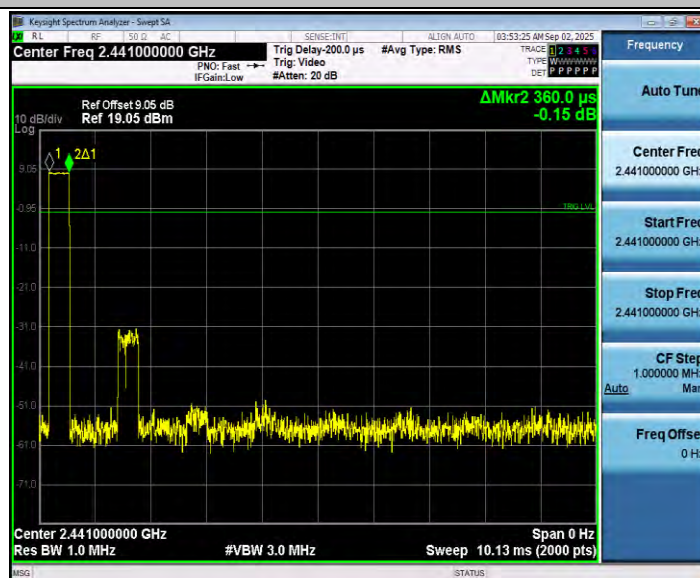
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.360	320	0.115	≤0.4	PASS
DH3	Ant1	Hop	1.616	160	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.863	120	0.344	≤0.4	PASS
2DH1	Ant1	Hop	0.360	330	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.611	140	0.226	≤0.4	PASS
2DH5	Ant1	Hop	2.863	90	0.258	≤0.4	PASS
3DH1	Ant1	Hop	0.360	320	0.115	≤0.4	PASS
3DH3	Ant1	Hop	1.611	150	0.242	≤0.4	PASS
3DH5	Ant1	Hop	2.863	110	0.315	≤0.4	PASS

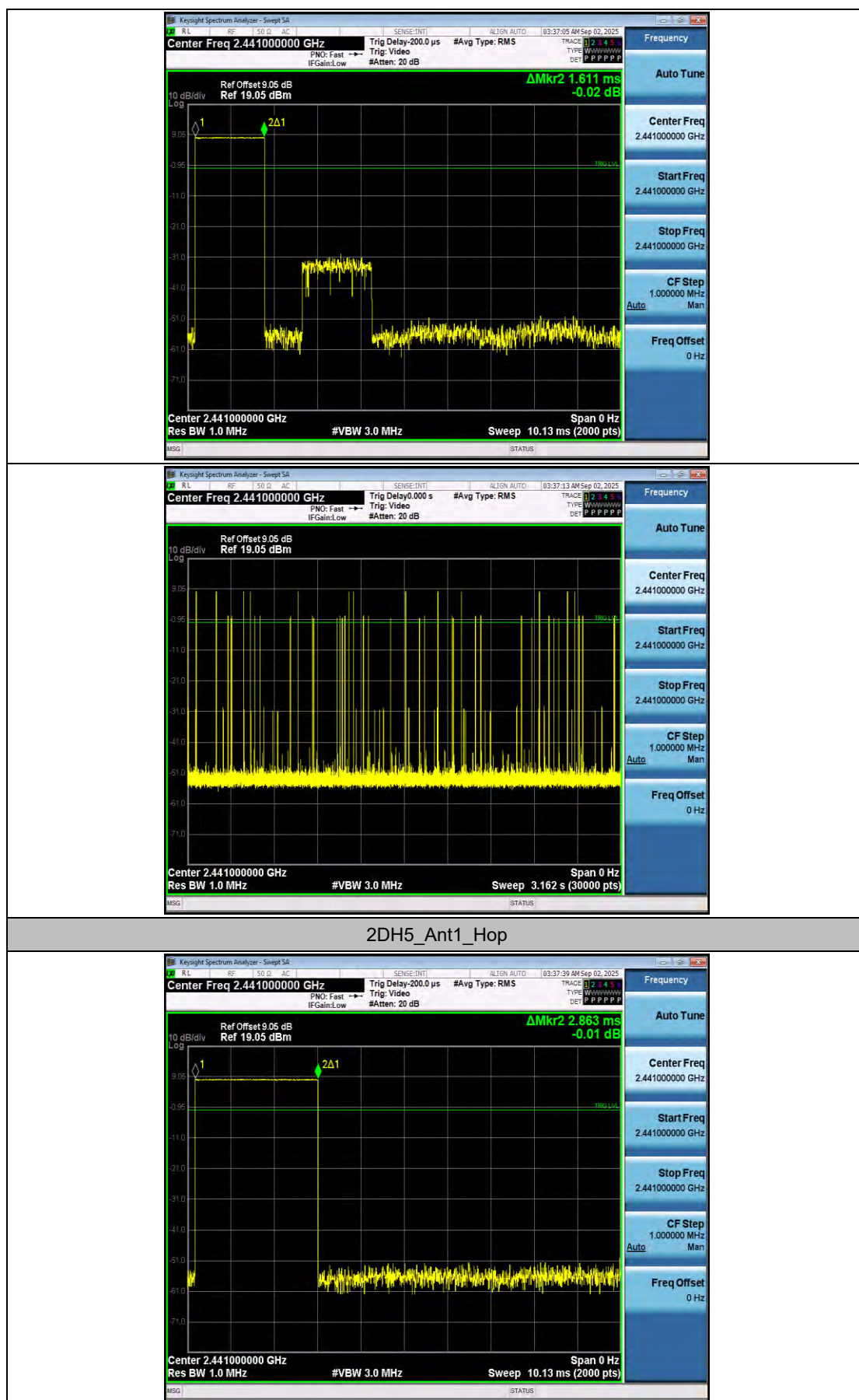


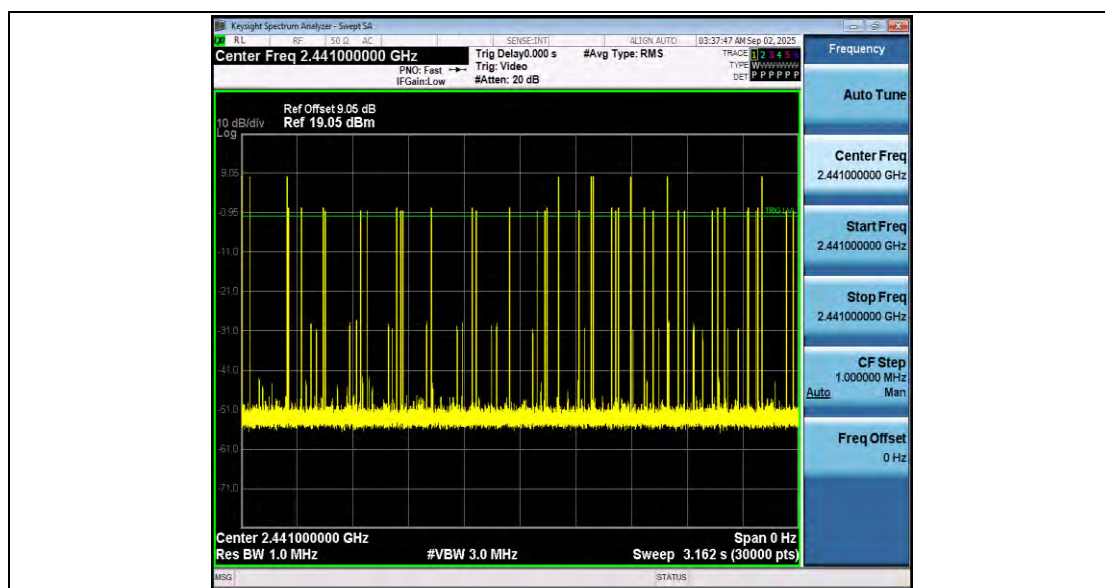


2DH1_Ant1_Hop

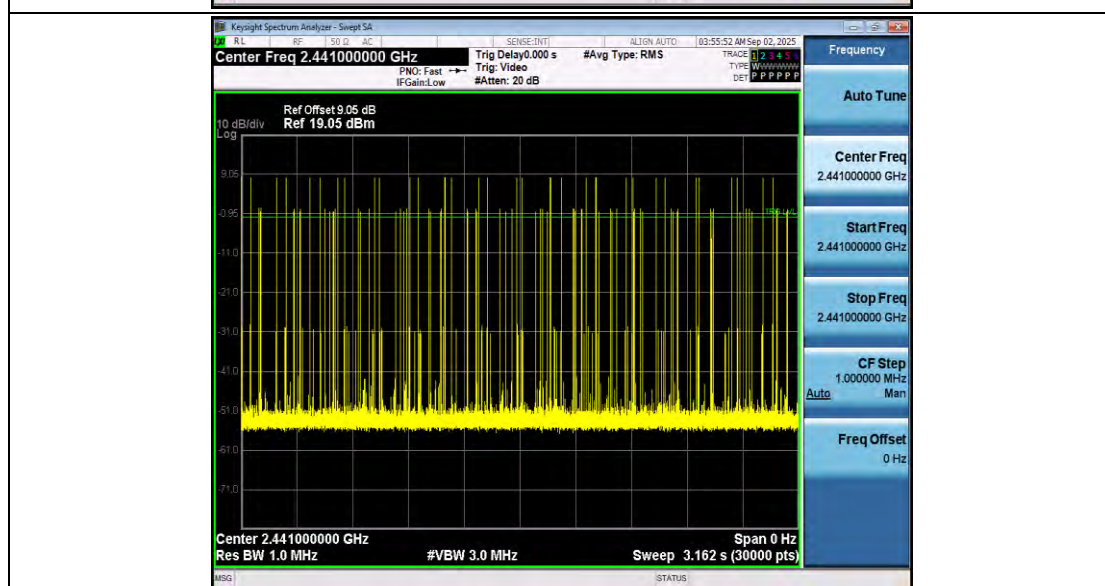
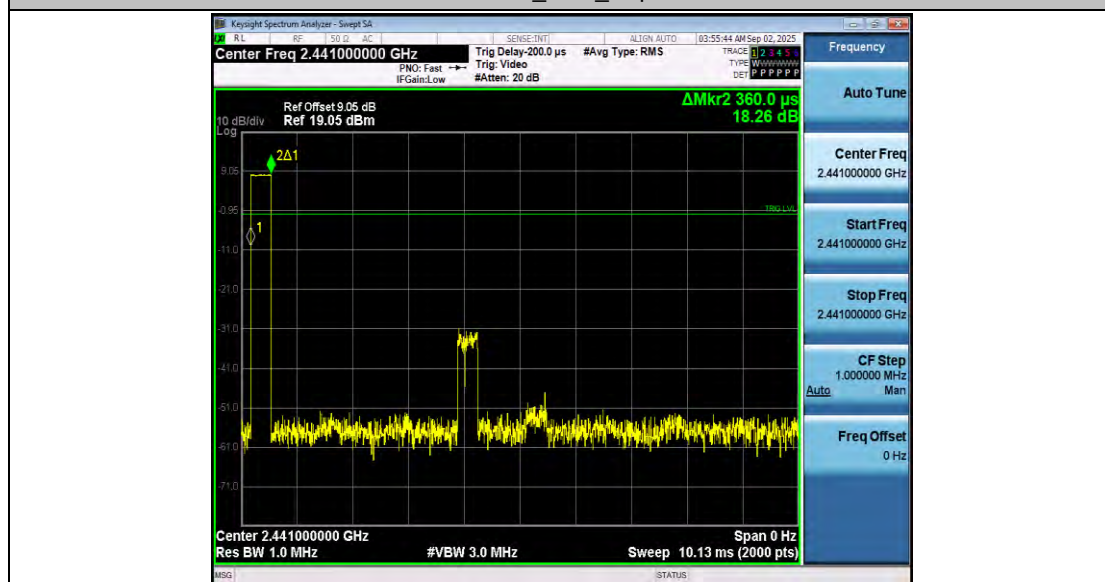


2DH3_Ant1_Hop

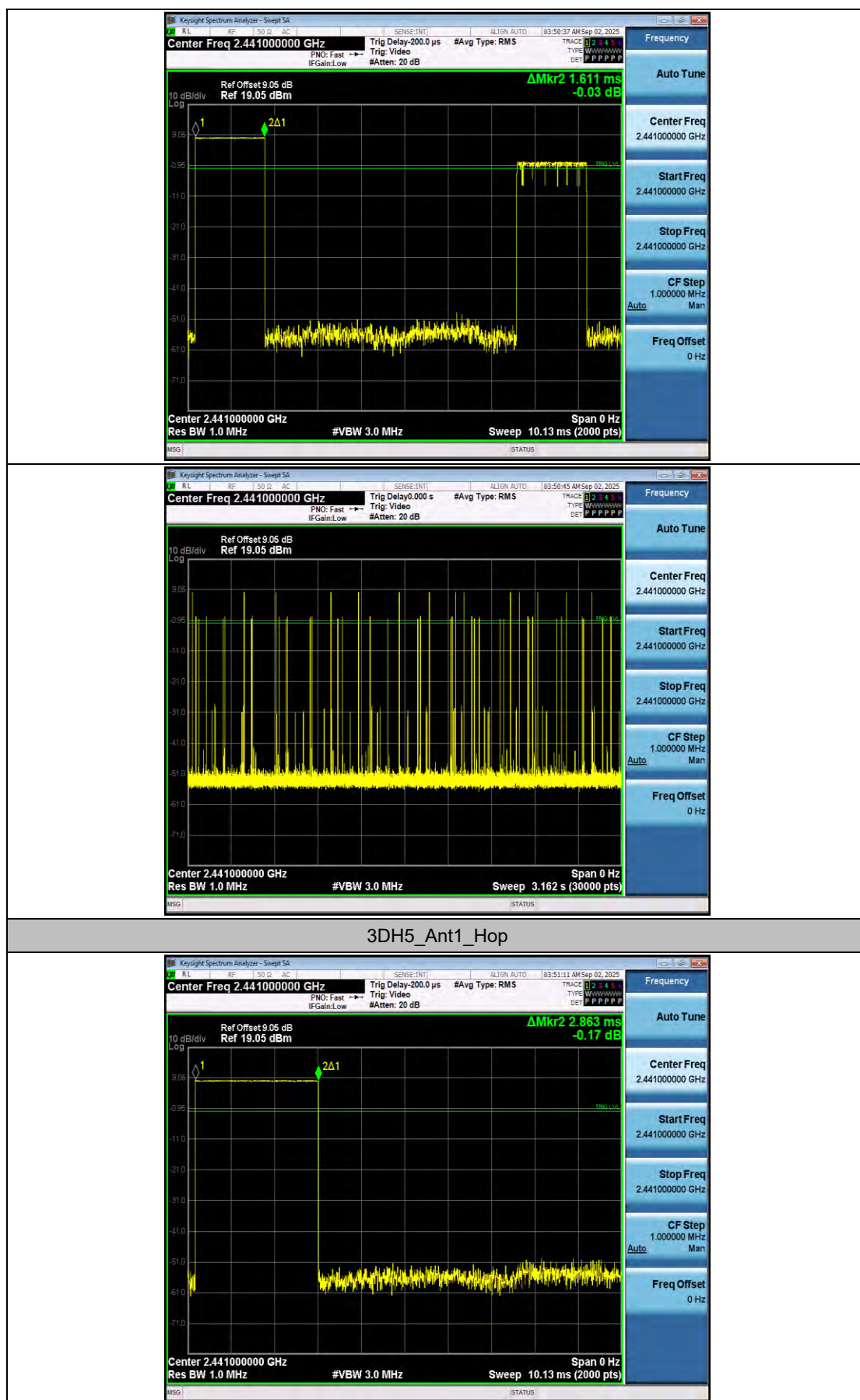




3DH1_Ant1_Hop



3DH3_Ant1_Hop



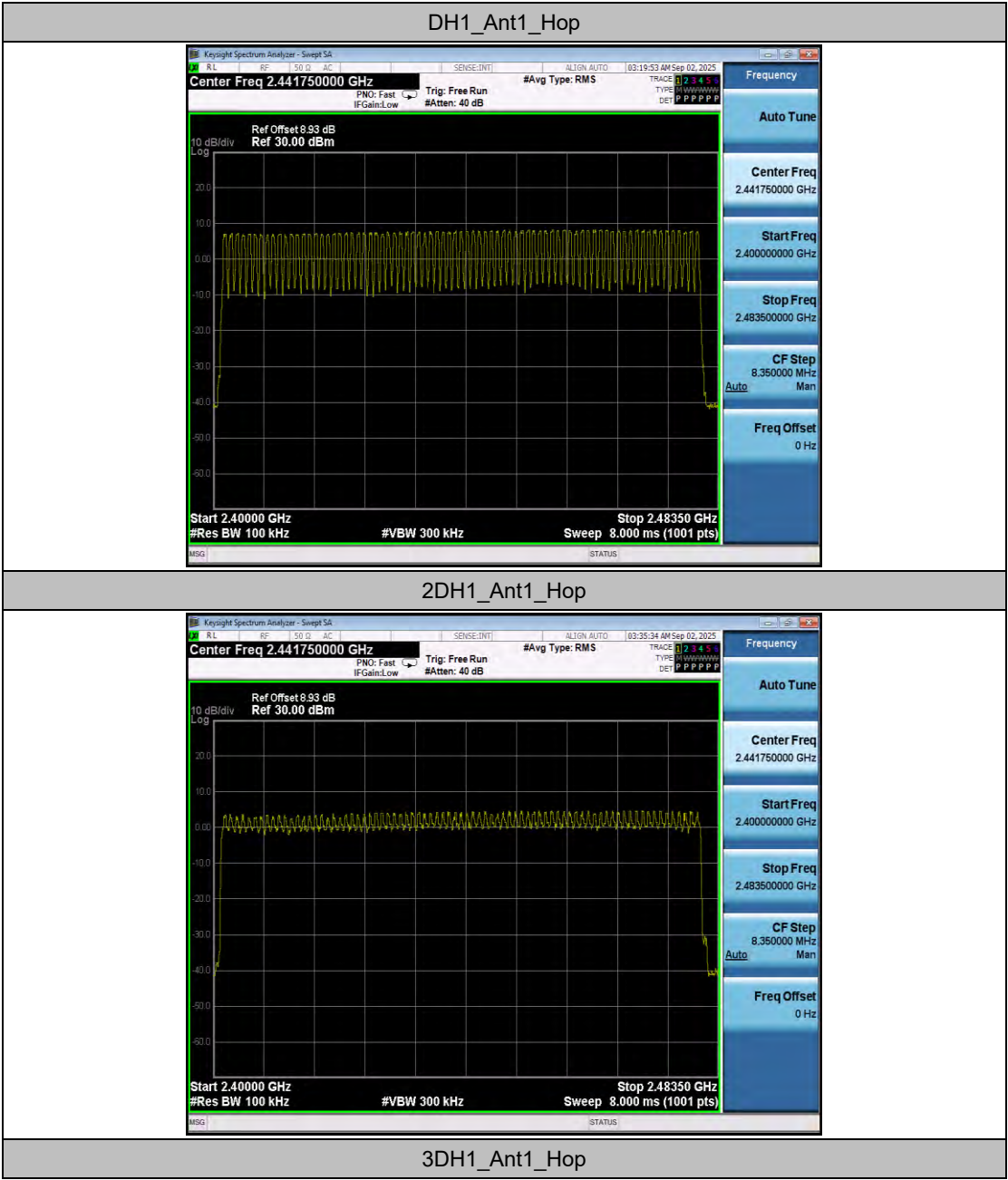


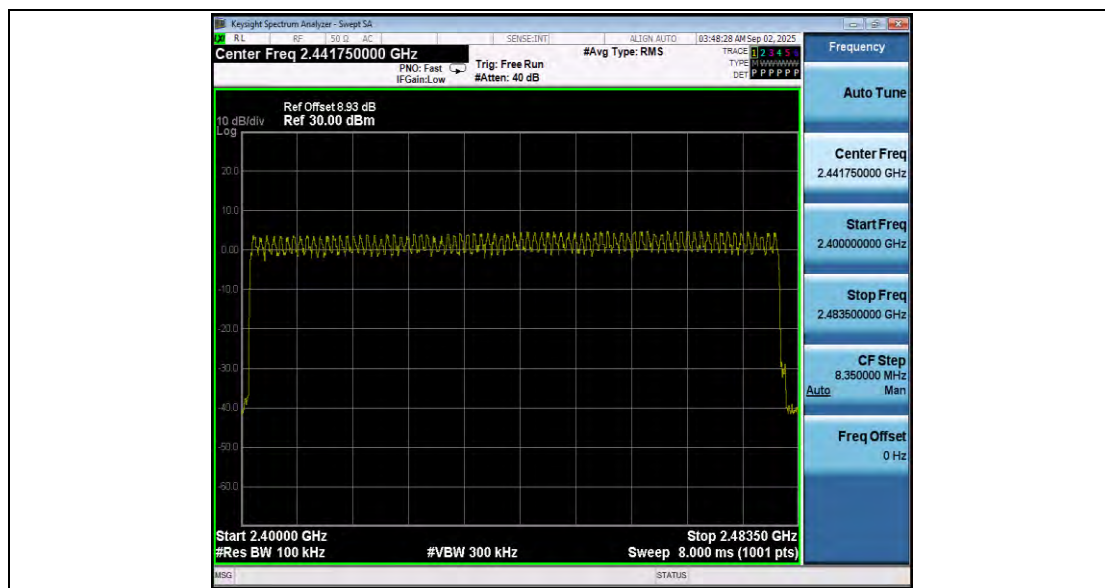
Appendix A.6: Number of hopping channels

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



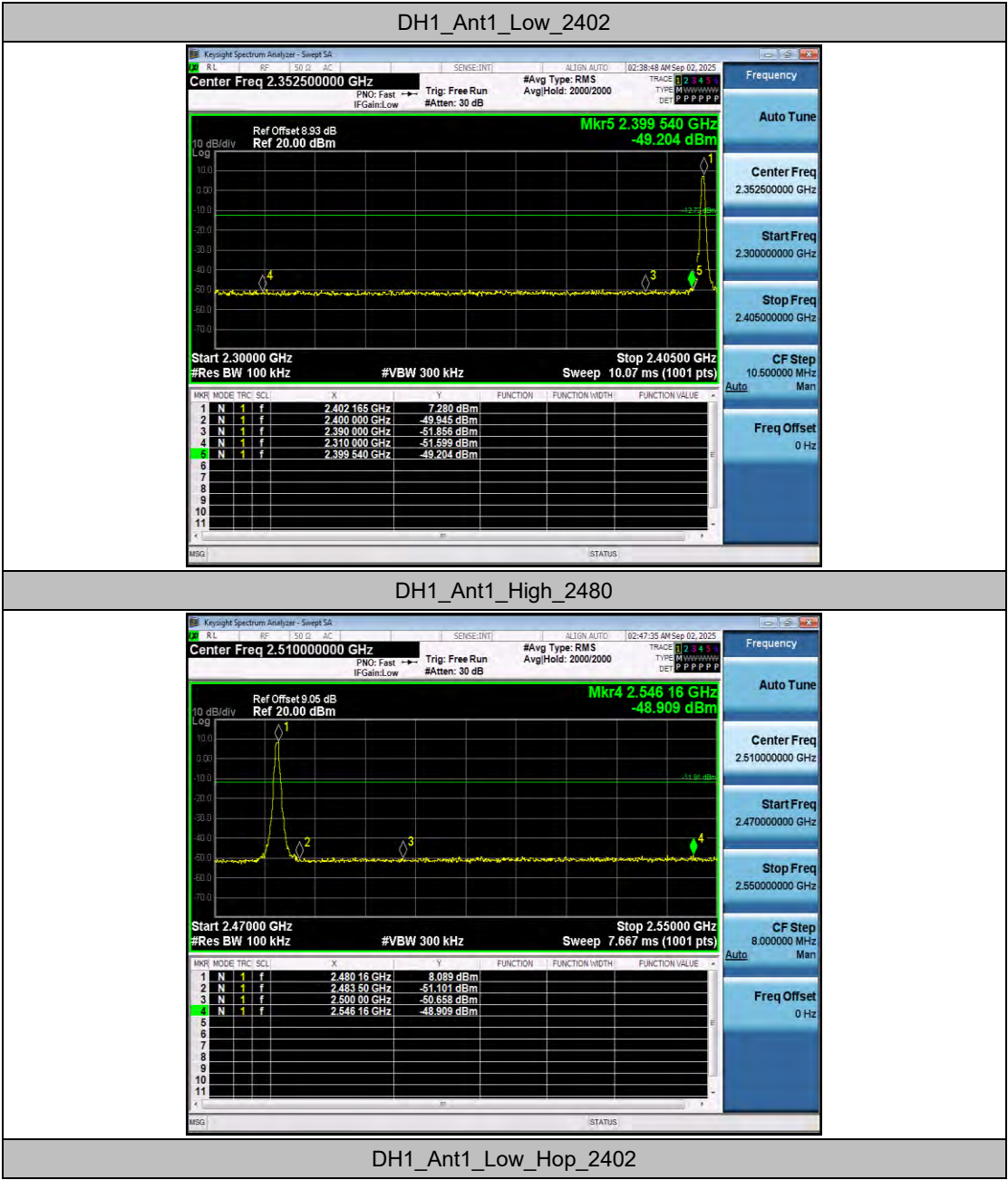


Appendix A.7: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	7.28	-49.2	≤ -12.72	PASS
		High	2480	8.09	-48.91	≤ -11.91	PASS
		Low	Hop_2402	6.81	-49.61	≤ -13.19	PASS
		High	Hop_2480	8.12	-48.34	≤ -11.88	PASS
2DH1	Ant1	Low	2402	3.58	-48.6	≤ -16.42	PASS
		High	2480	4.56	-48.89	≤ -15.44	PASS
		Low	Hop_2402	6.57	-49.92	≤ -13.43	PASS
		High	Hop_2480	4.06	-48.79	≤ -15.95	PASS
3DH1	Ant1	Low	2402	3.63	-48.66	≤ -16.37	PASS
		High	2480	4.61	-48.61	≤ -15.39	PASS
		Low	Hop_2402	3.35	-49.89	≤ -16.65	PASS
		High	Hop_2480	4.79	-48.54	≤ -15.21	PASS

Test Graphs



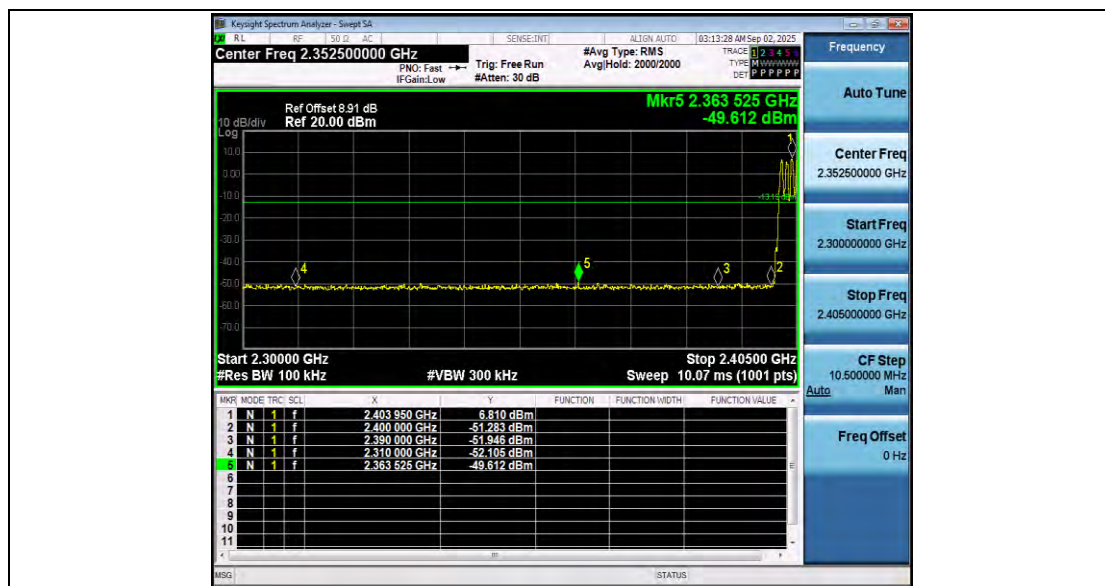
DH1_Ant1_High_2480

Frequency

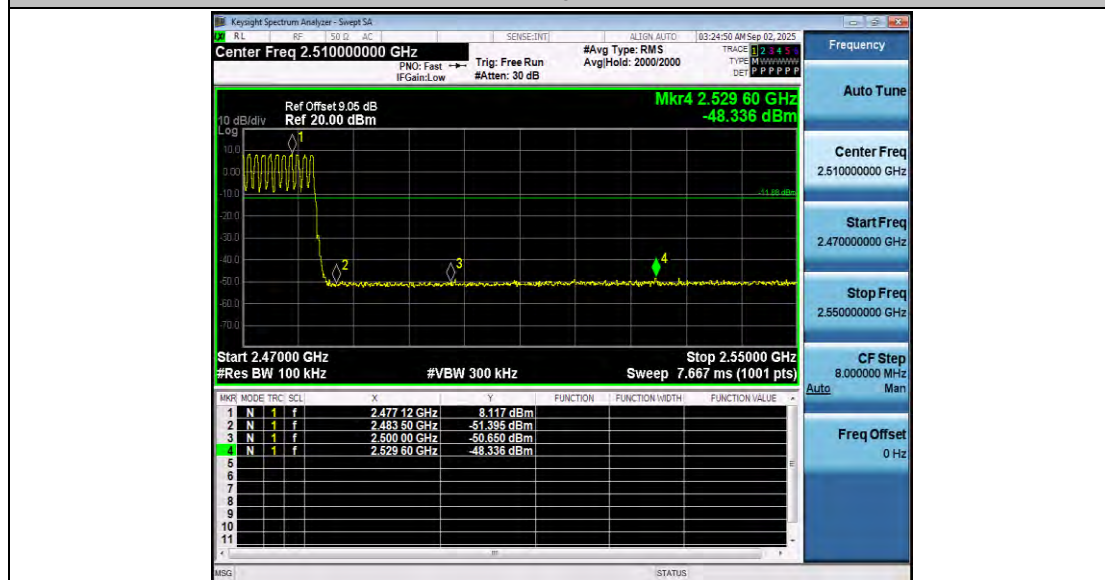
Auto Tune

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

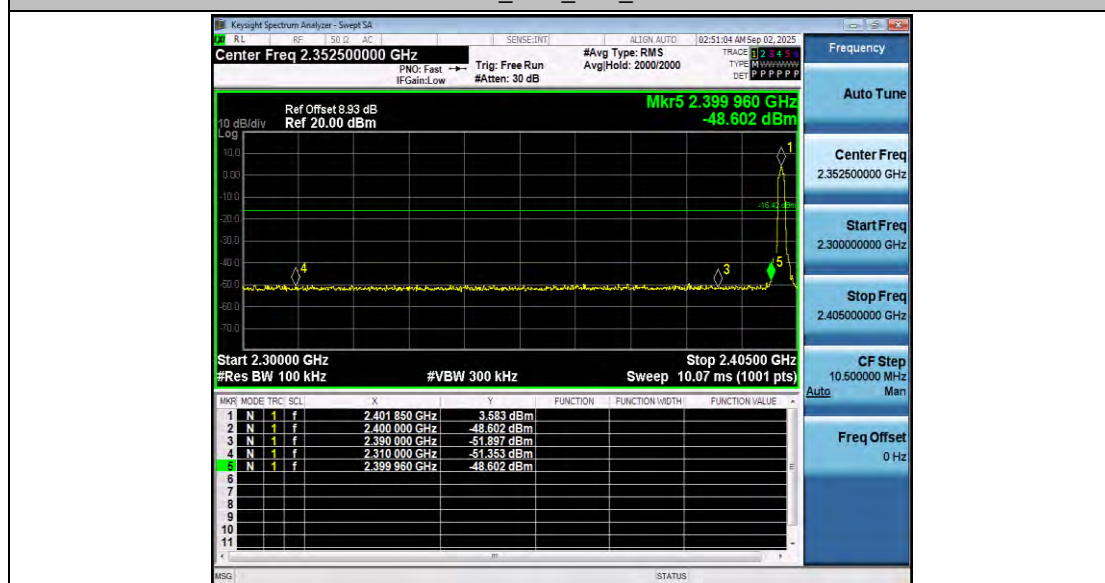
DH1_Ant1_Low_Hop_2402



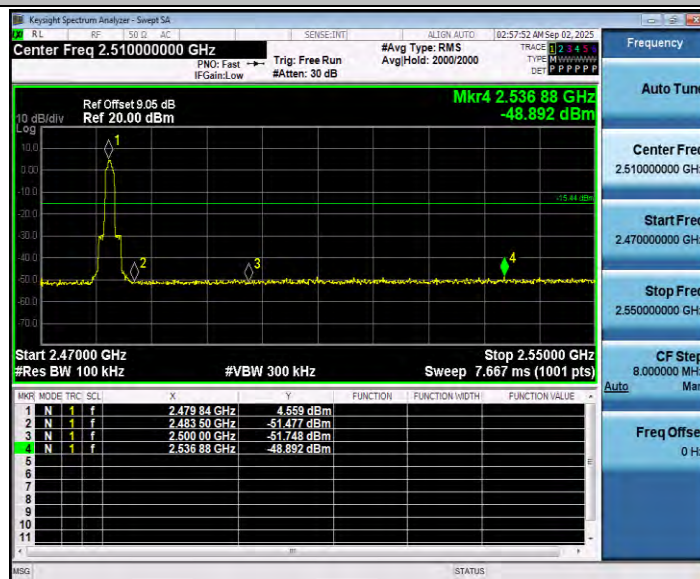
DH1_Ant1_High_Hop_2480



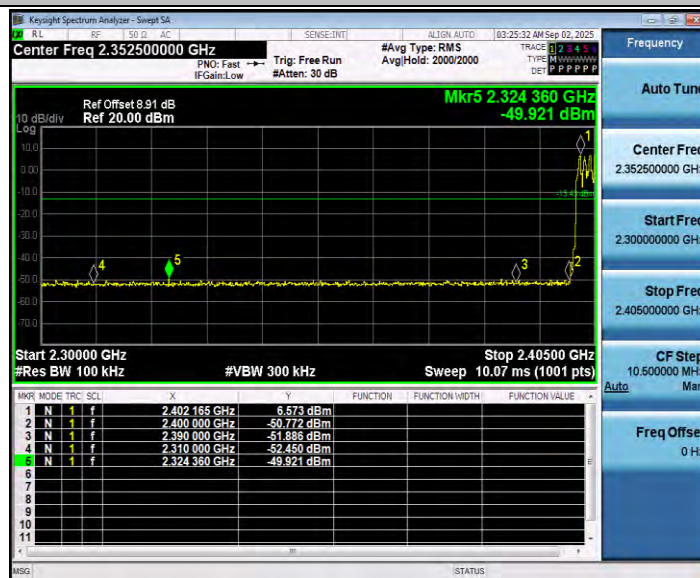
2DH1_Ant1_Low_2402



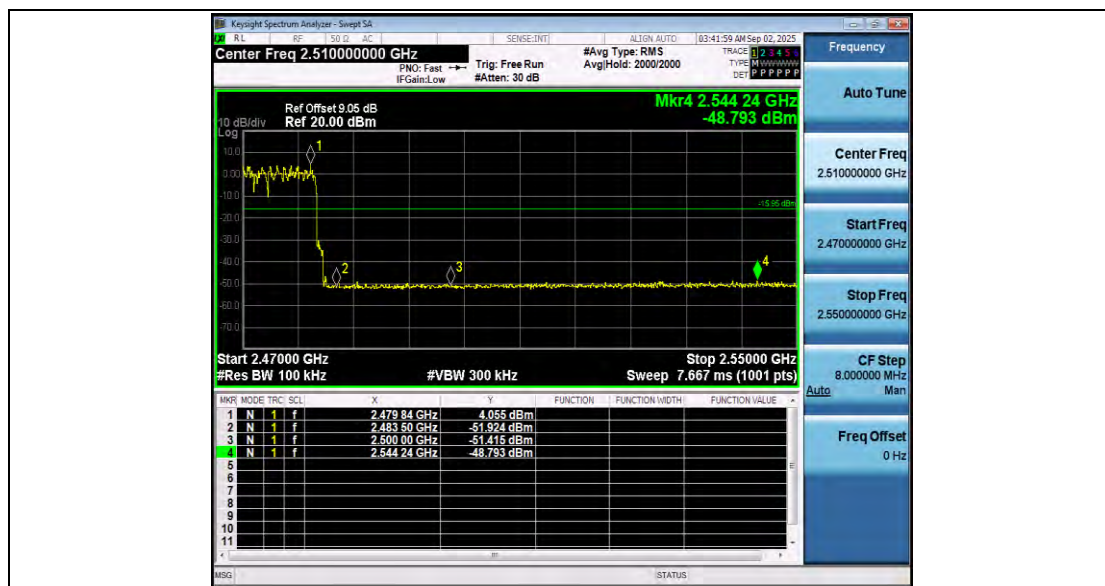
2DH1_Ant1_High_2480



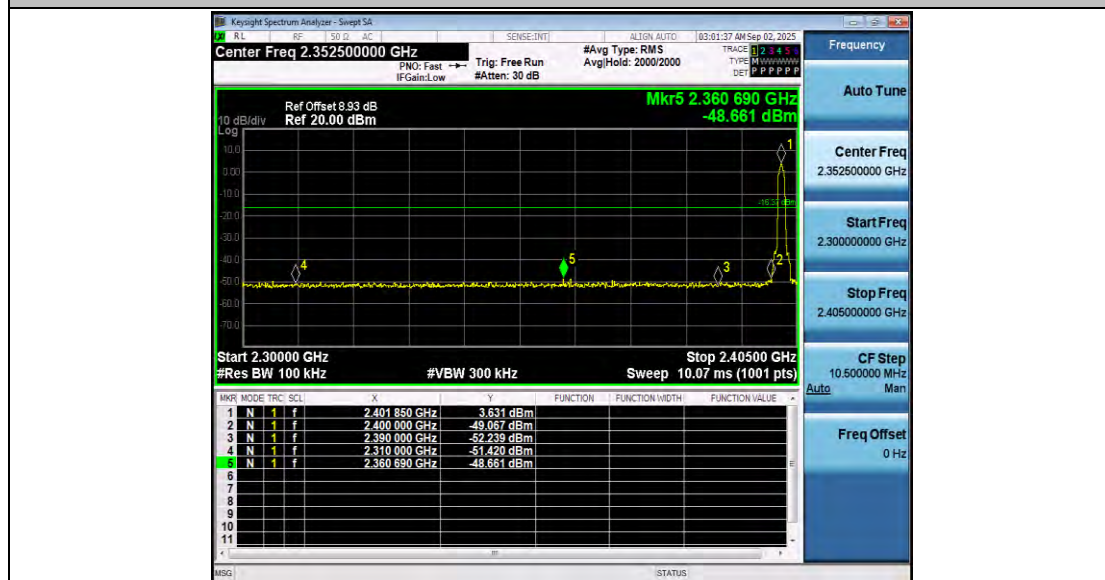
2DH1_Ant1_Low_Hop_2402



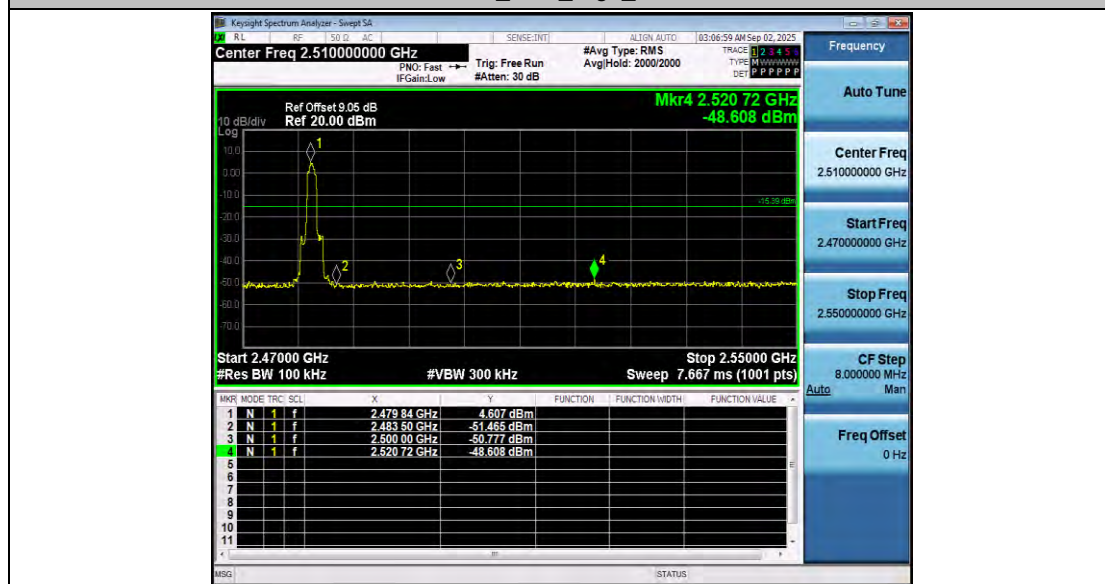
2DH1_Ant1_High_Hop_2480



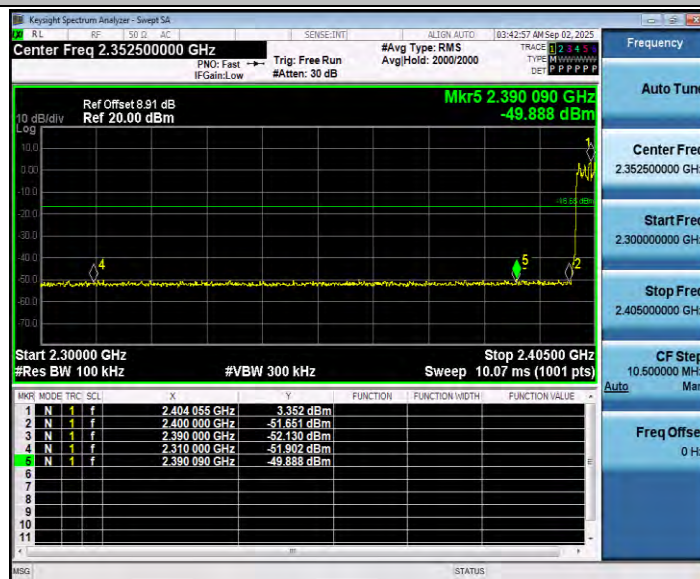
3DH1_Ant1_Low_2402



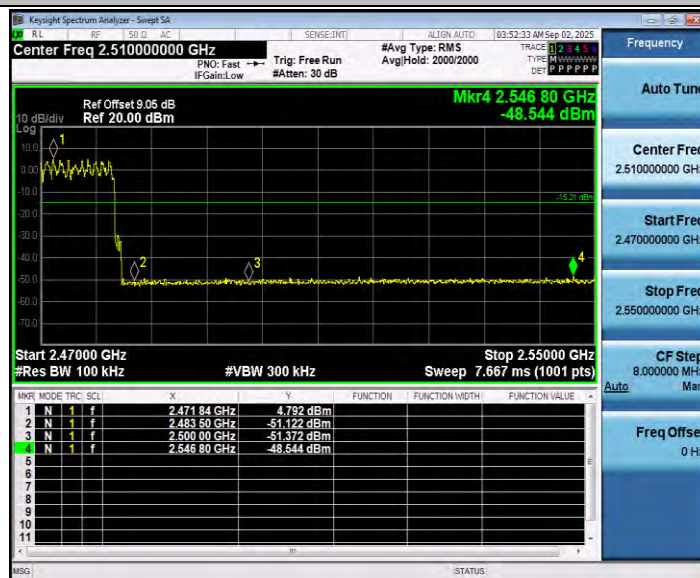
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

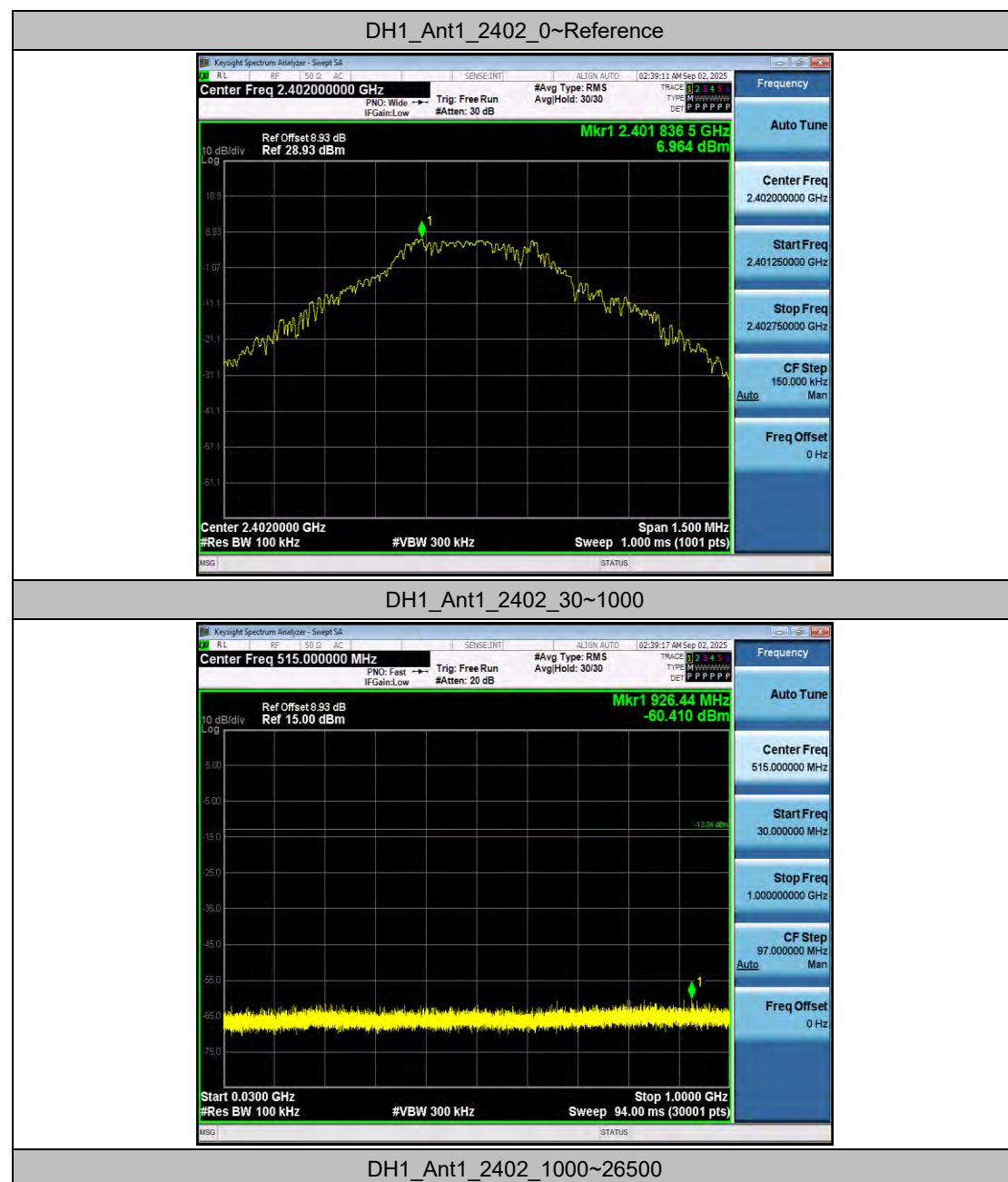


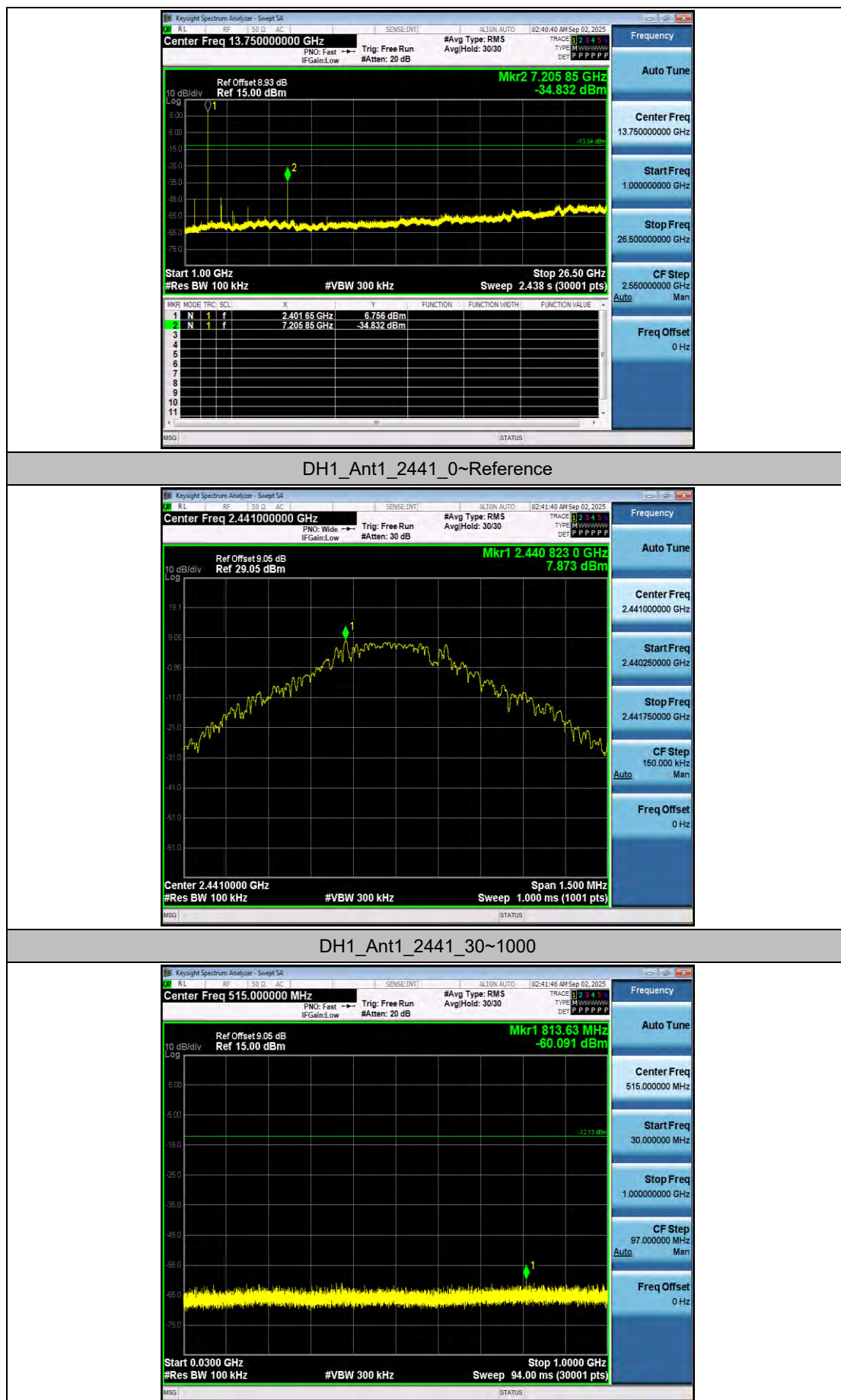
Appendix A.8: Conducted Spurious Emission

Test Result

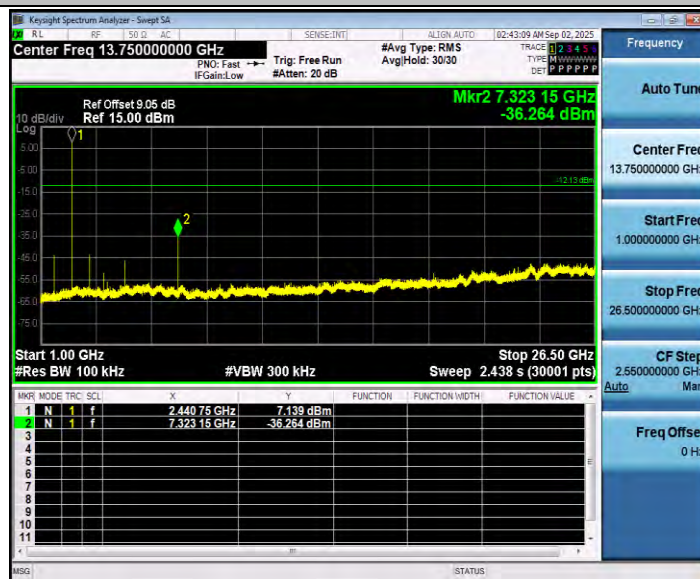
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	6.96	6.96	---	PASS
			30~1000	6.96	-60.41	≤-13.04	PASS
			1000~26500	6.96	-34.83	≤-13.04	PASS
		2441	Reference	7.87	7.87	---	PASS
			30~1000	7.87	-60.09	≤-12.13	PASS
			1000~26500	7.87	-36.26	≤-12.13	PASS
		2480	Reference	7.40	7.40	---	PASS
			30~1000	7.40	-60.83	≤-12.6	PASS
			1000~26500	7.40	-40.57	≤-12.6	PASS
2DH1	Ant1	2402	Reference	3.37	3.37	---	PASS
			30~1000	3.37	-60.72	≤-16.63	PASS
			1000~26500	3.37	-38.46	≤-16.63	PASS
		2441	Reference	4.19	4.19	---	PASS
			30~1000	4.19	-60.2	≤-15.81	PASS
			1000~26500	4.19	-40.57	≤-15.81	PASS
		2480	Reference	3.82	3.82	---	PASS
			30~1000	3.82	-60.39	≤-16.18	PASS
			1000~26500	3.82	-44.72	≤-16.18	PASS
3DH1	Ant1	2402	Reference	3.55	3.55	---	PASS
			30~1000	3.55	-60.79	≤-16.45	PASS
			1000~26500	3.55	-37.42	≤-16.45	PASS
		2441	Reference	4.18	4.18	---	PASS
			30~1000	4.18	-60.17	≤-15.82	PASS
			1000~26500	4.18	-41.6	≤-15.82	PASS
		2480	Reference	4.23	4.23	---	PASS
			30~1000	4.23	-59.92	≤-15.77	PASS
			1000~26500	4.23	-44.35	≤-15.77	PASS

Test Graphs





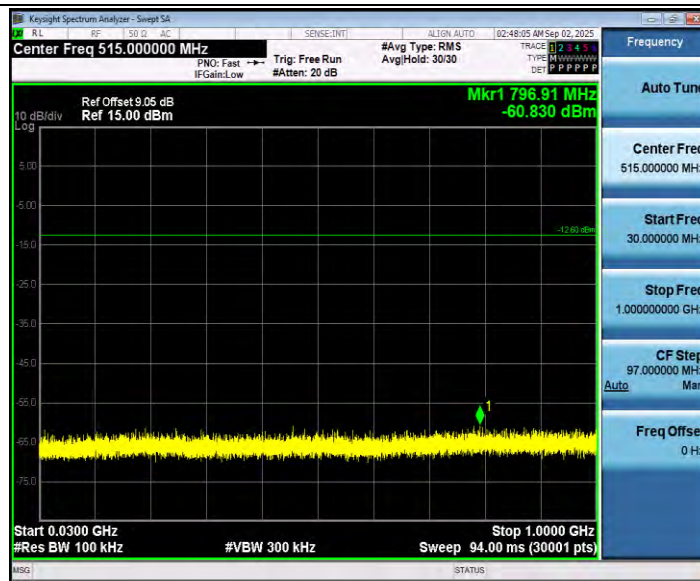
DH1_Ant1_2441_1000~26500



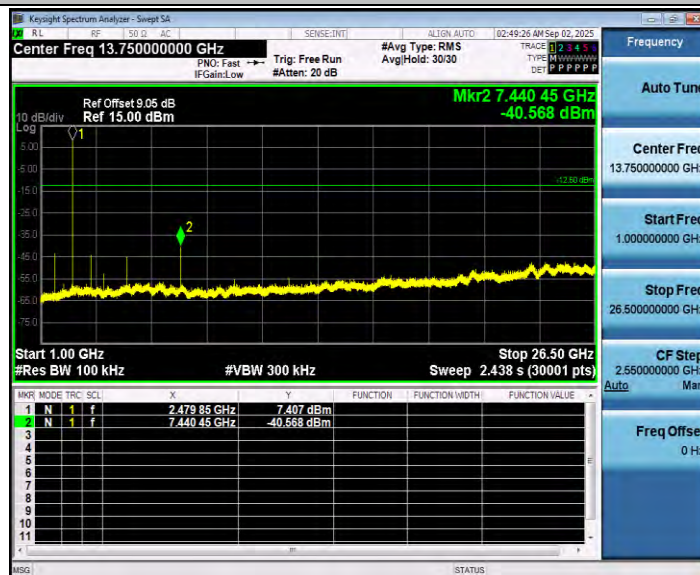
DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

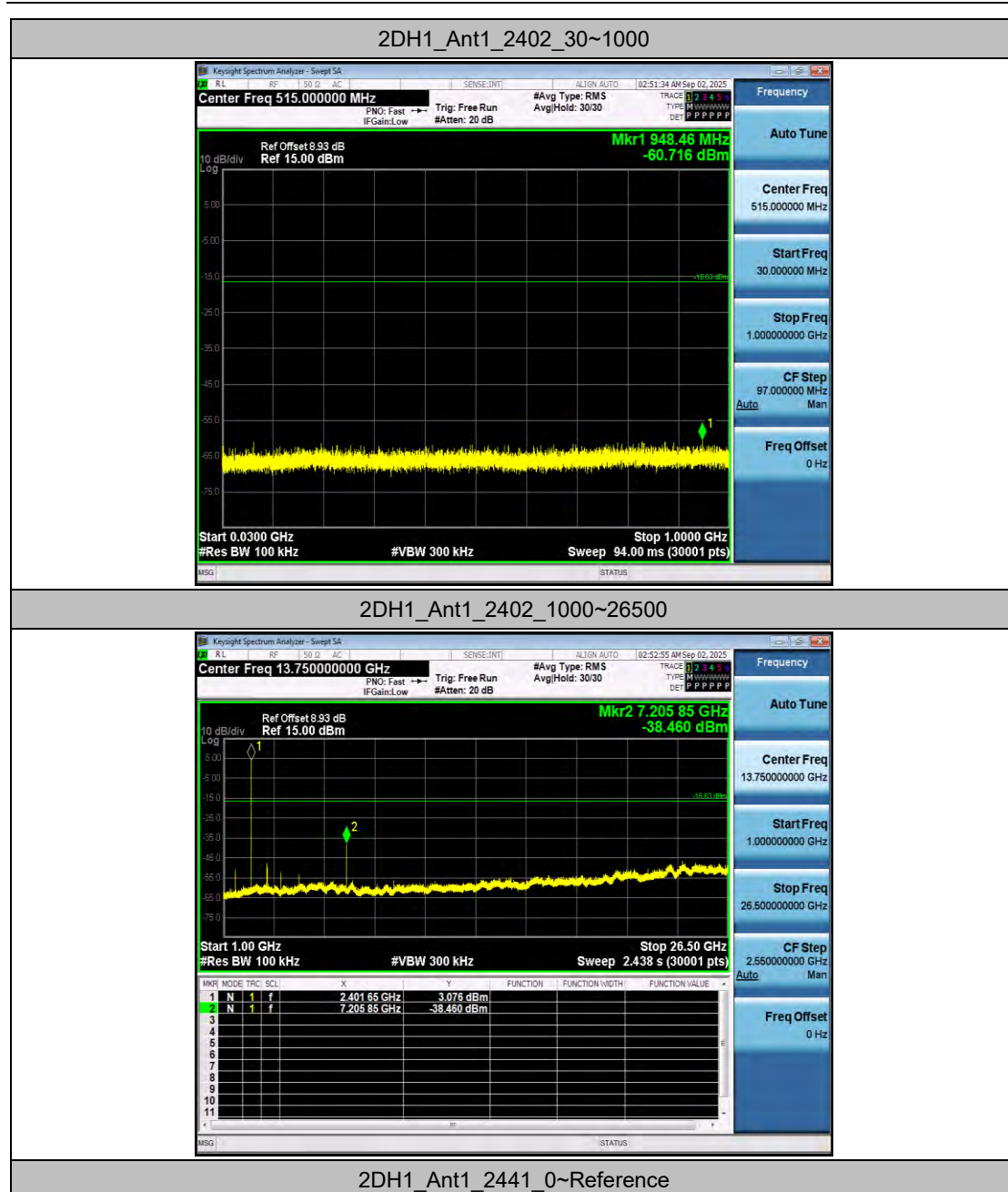


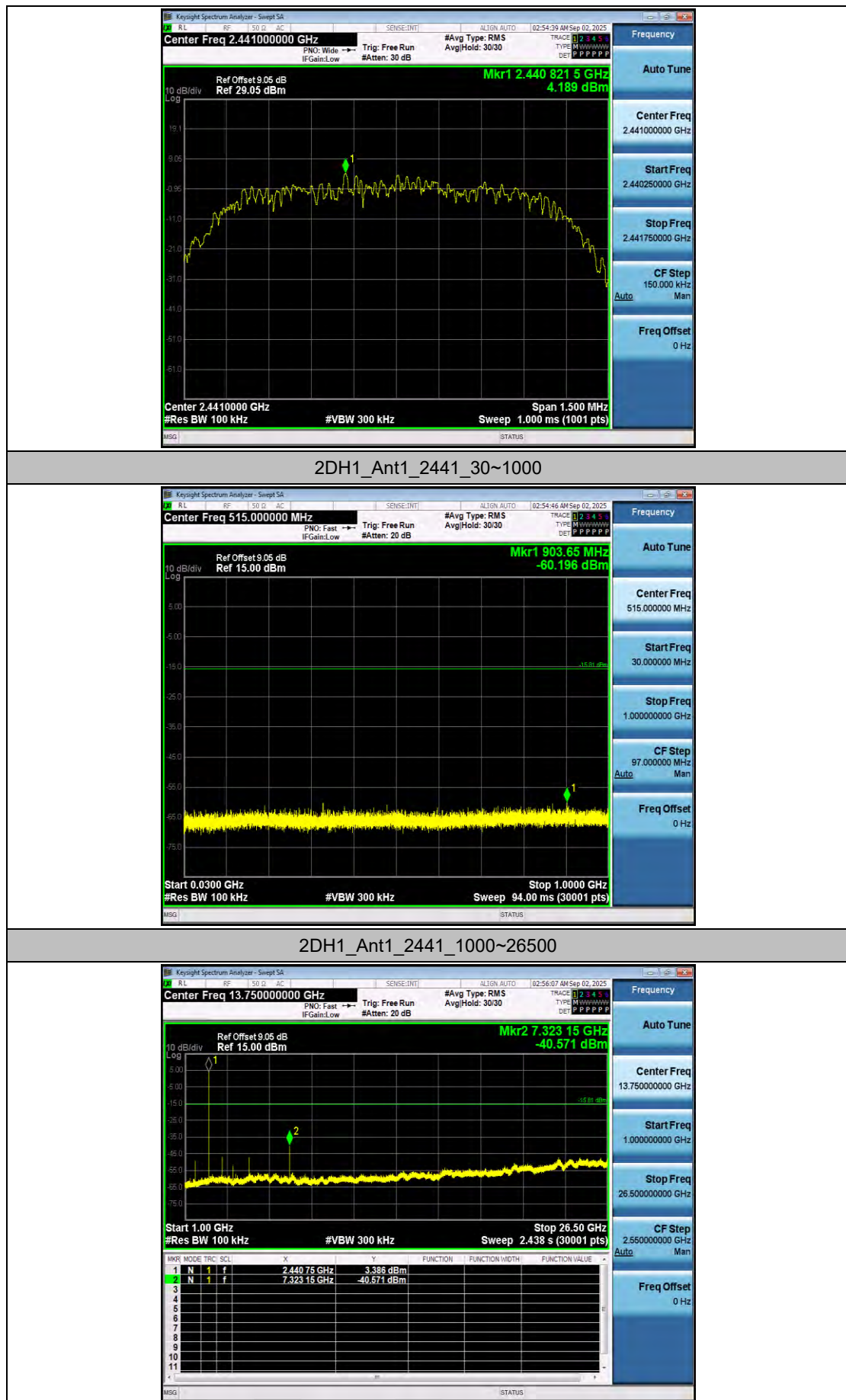
DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference







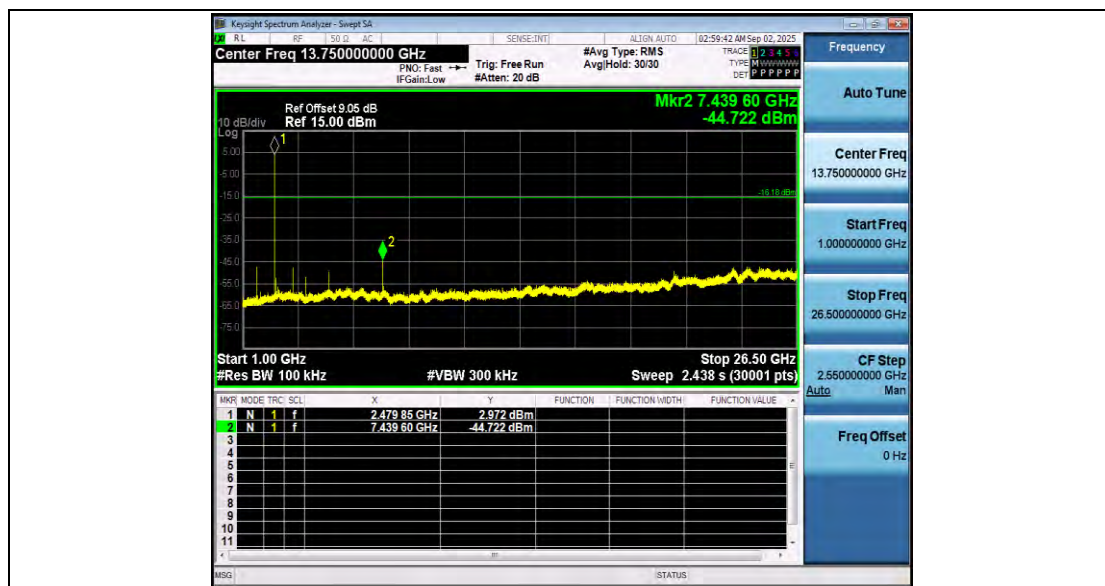
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



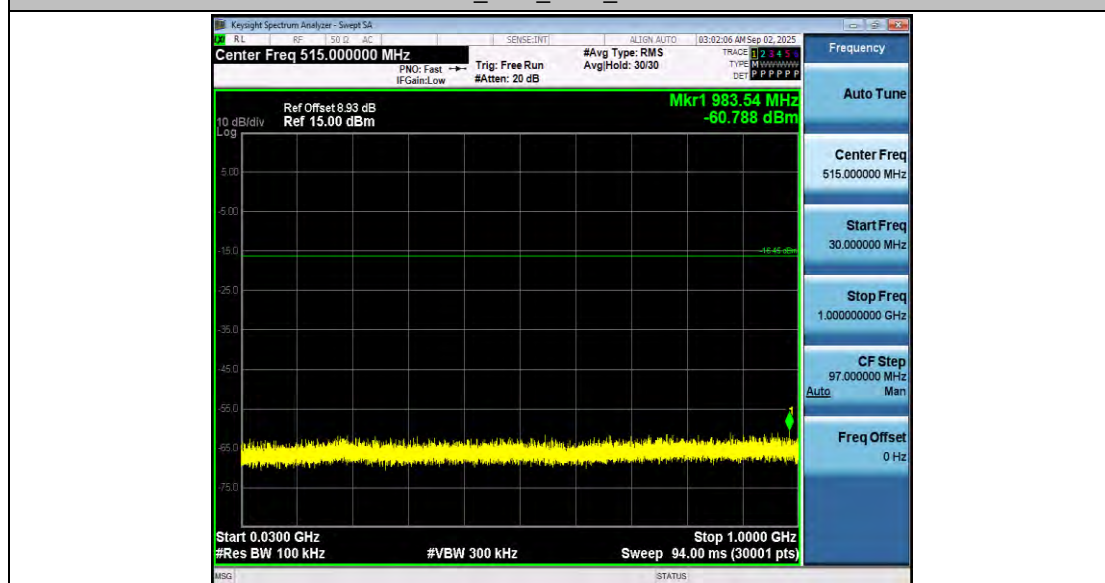
2DH1_Ant1_2480_1000~26500



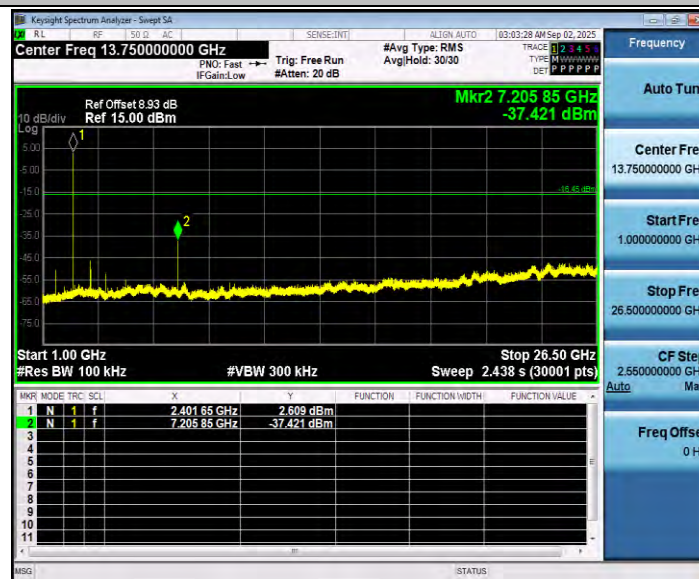
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



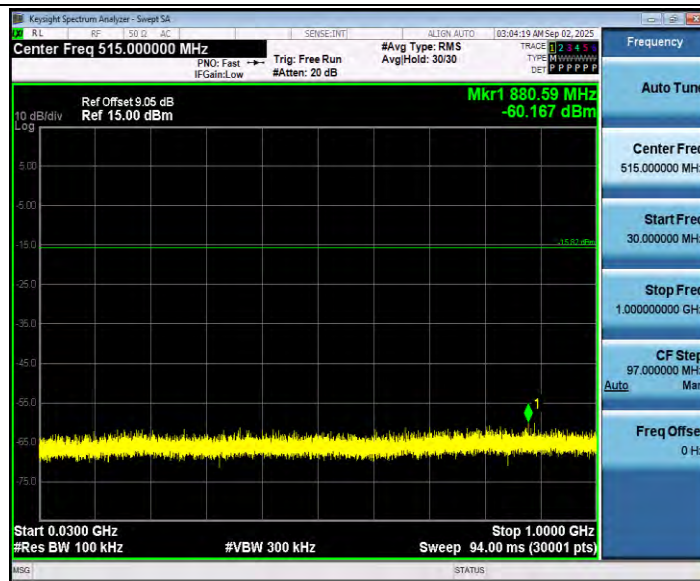
3DH1_Ant1_2402_1000~26500



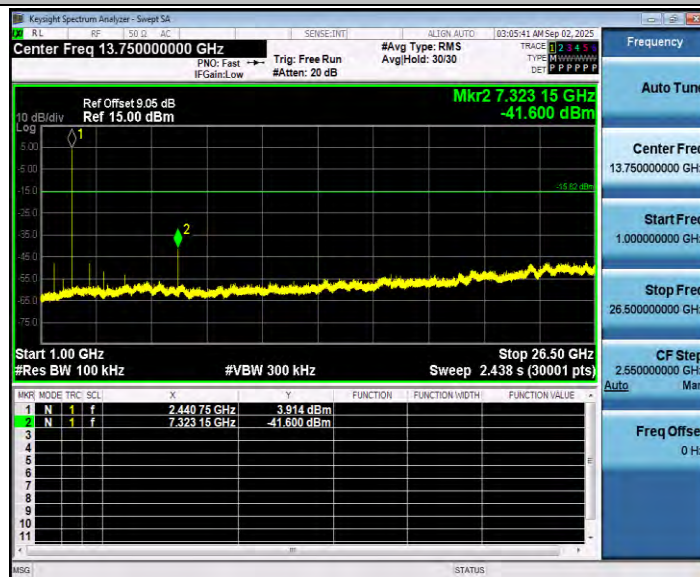
3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

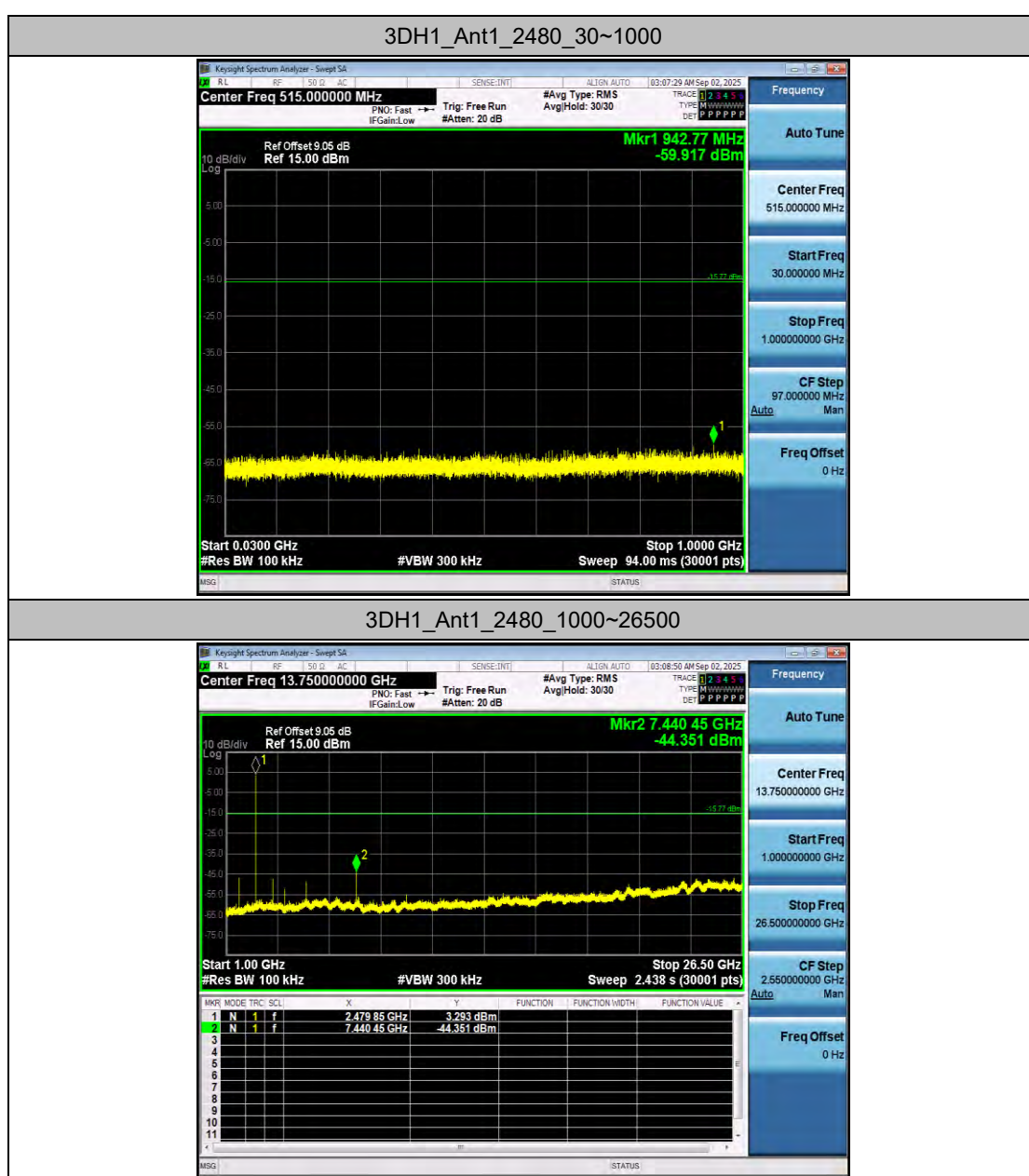


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

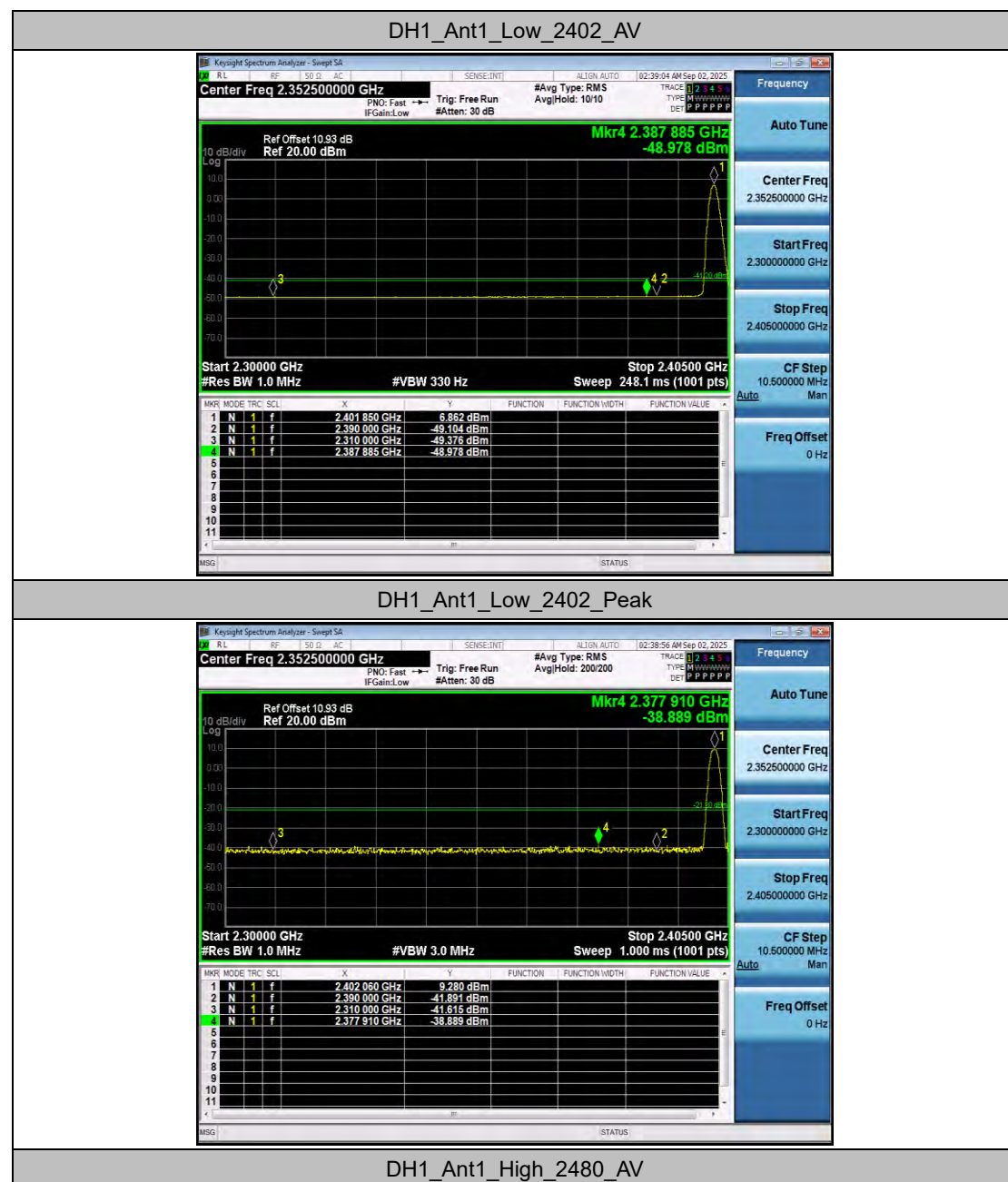
Test Result

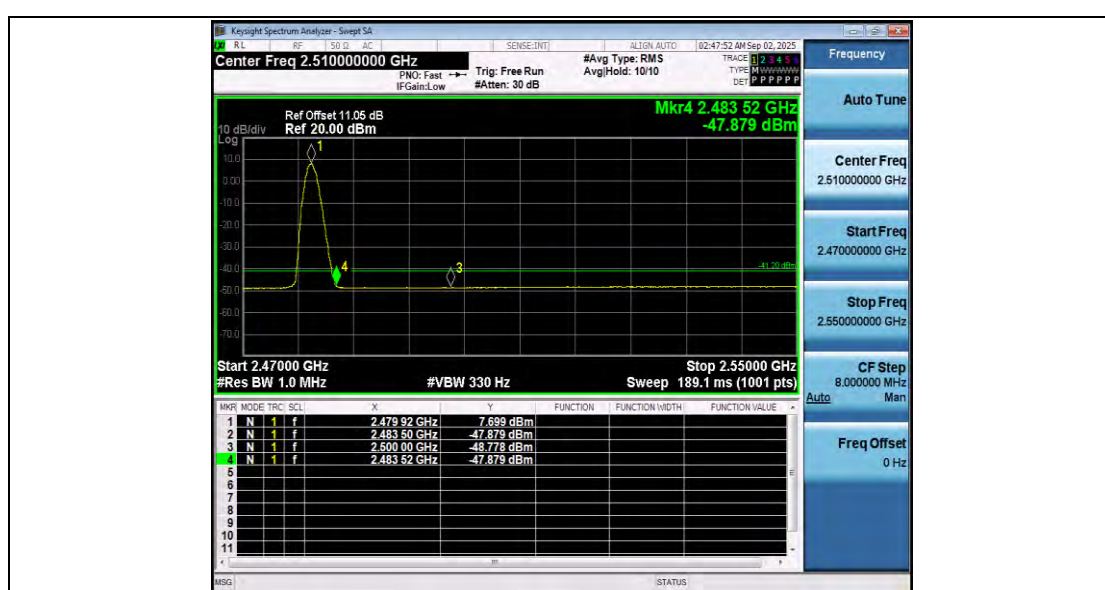
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.38	≤-41.20	45.82	≤54	PASS
				AV	2387.885	-48.98	≤-41.20	46.22	≤54	PASS
				AV	2390.000	-49.1	≤-41.20	46.10	≤54	PASS
				Peak	2310.000	-41.62	≤-21.20	53.58	≤74	PASS
				Peak	2377.910	-38.89	≤-21.20	56.31	≤74	PASS
				Peak	2390.000	-41.89	≤-21.20	53.31	≤74	PASS
		High	2480	AV	2483.500	-47.88	≤-41.20	47.32	≤54	PASS
				AV	2483.520	-47.88	≤-41.20	47.32	≤54	PASS
				AV	2500.000	-48.78	≤-41.20	46.42	≤54	PASS
				Peak	2483.500	-40.5	≤-21.20	54.70	≤74	PASS
				Peak	2487.440	-38.36	≤-21.20	56.84	≤74	PASS
				Peak	2500.000	-40.5	≤-21.20	54.70	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.29	≤-41.20	45.91	≤54	PASS
				AV	2384.840	-48.9	≤-41.20	46.30	≤54	PASS
				AV	2390.000	-48.94	≤-41.20	46.26	≤54	PASS
				Peak	2310.000	-42.12	≤-21.20	53.08	≤74	PASS
				Peak	2347.880	-38.26	≤-21.20	56.94	≤74	PASS
				Peak	2390.000	-40.72	≤-21.20	54.48	≤74	PASS
		High	2480	AV	2483.500	-48.03	≤-41.20	47.17	≤54	PASS
				AV	2483.520	-48.03	≤-41.20	47.17	≤54	PASS
				AV	2500.000	-48.62	≤-41.20	46.58	≤54	PASS
				Peak	2483.500	-40.83	≤-21.20	54.37	≤74	PASS
				Peak	2483.760	-38.44	≤-21.20	56.76	≤74	PASS
				Peak	2500.000	-40.56	≤-21.20	54.64	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.32	≤-41.20	45.88	≤54	PASS
				AV	2384.420	-48.85	≤-41.20	46.35	≤54	PASS
				AV	2390.000	-49.03	≤-41.20	46.17	≤54	PASS
				Peak	2310.000	-41.05	≤-21.20	54.15	≤74	PASS
				Peak	2317.220	-38.31	≤-21.20	56.89	≤74	PASS
				Peak	2390.000	-41.46	≤-21.20	53.74	≤74	PASS
		High	2480	AV	2483.500	-48.01	≤-41.20	47.19	≤54	PASS
				AV	2483.520	-48.01	≤-41.20	47.19	≤54	PASS
				AV	2500.000	-48.63	≤-41.20	46.57	≤54	PASS
				Peak	2483.500	-41.08	≤-21.20	54.12	≤74	PASS
				Peak	2491.120	-38.31	≤-21.20	56.89	≤74	PASS
				Peak	2500.000	-41.42	≤-21.20	53.78	≤74	PASS

Note:

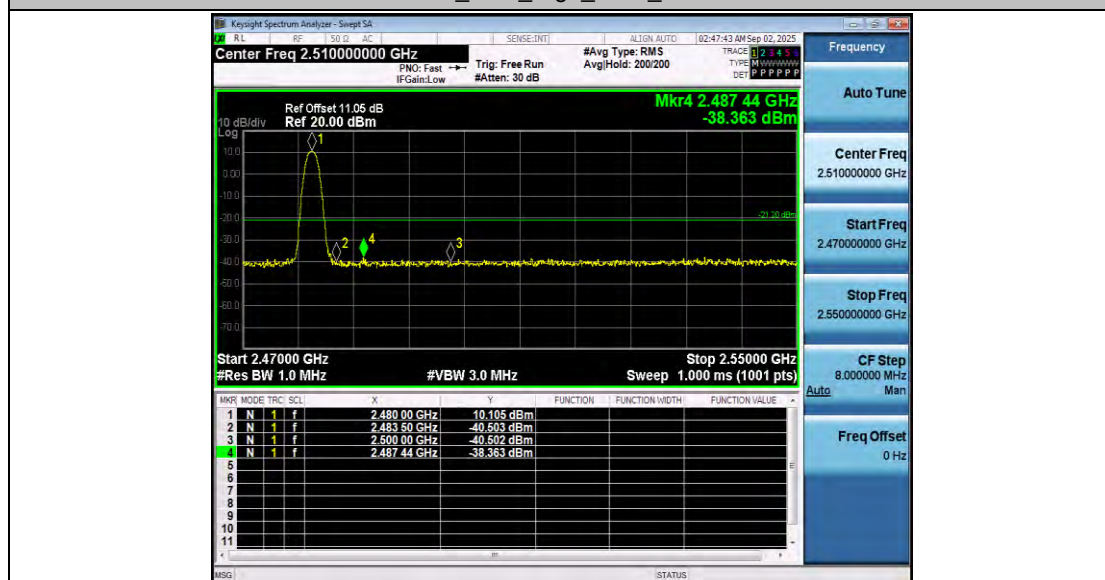
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

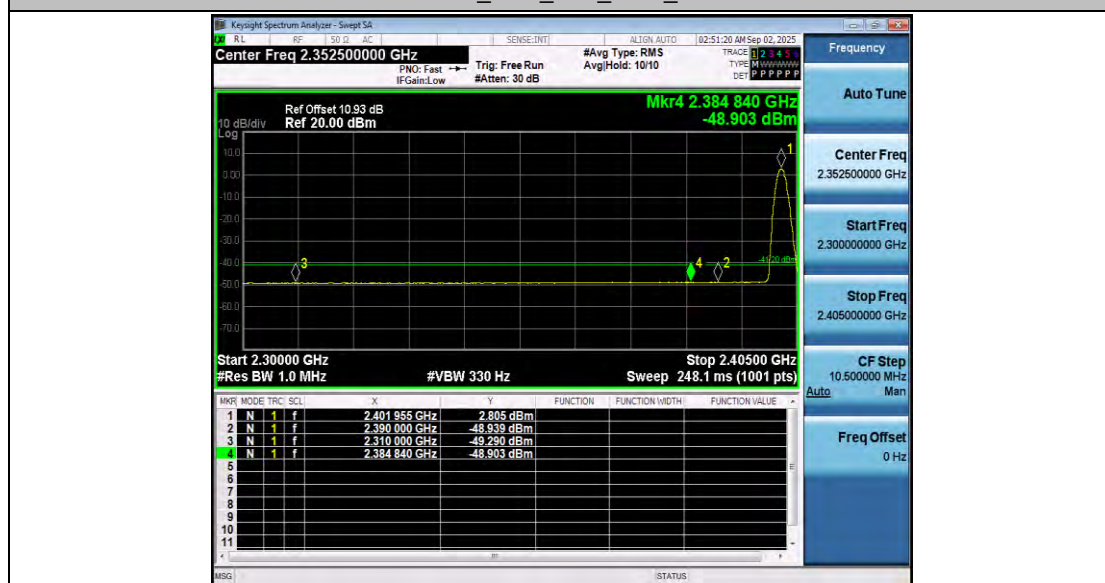




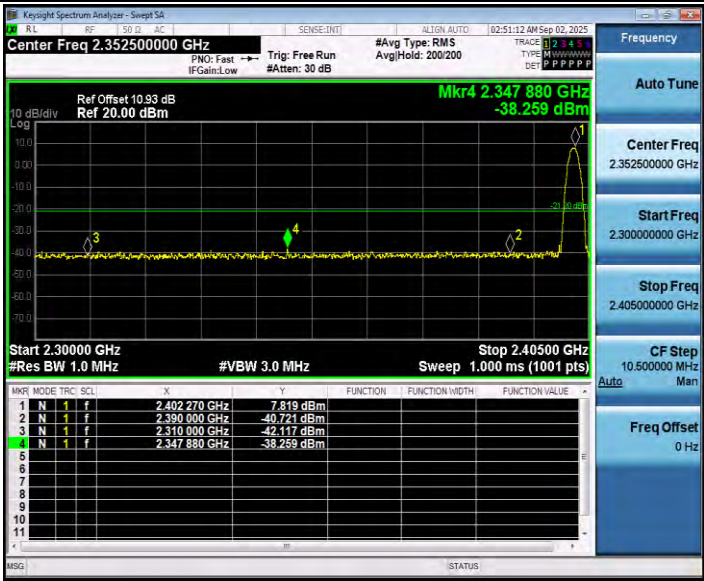
DH1_Ant1_High_2480_Peak



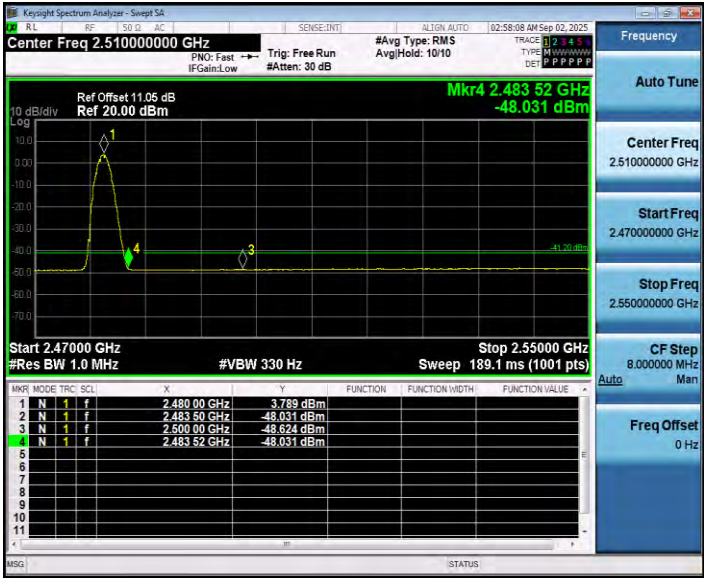
2DH1_Ant1_Low_2402_AV



2DH1_Ant1_Low_2402_Peak



2DH1_Ant1_High_2480_AV



2DH1_Ant1_High_2480_Peak

