

Case No. : <u>GTS20260807008-1-10</u>
Ambient Condition: <u>24</u> °C, <u>47</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.8.19-2026.8.27</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	0.912	2401.508	2402.420	---	---
		2441	0.927	2440.493	2441.420	---	---
		2480	0.933	2479.481	2480.414	---	---
2DH1	Ant1	2402	1.287	2401.289	2402.576	---	---
		2441	1.320	2440.286	2441.606	---	---
		2480	1.293	2479.301	2480.594	---	---
3DH1	Ant1	2402	1.272	2401.313	2402.585	---	---
		2441	1.278	2440.313	2441.591	---	---
		2480	1.284	2479.304	2480.588	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



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	0.83798	2401.5274	2402.3654	---	---
		2441	0.86175	2440.5243	2441.3860	---	---
		2480	0.84215	2479.5273	2480.3694	---	---
2DH1	Ant1	2402	1.1804	2401.3525	2402.5329	---	---
		2441	1.1867	2440.3529	2441.5396	---	---
		2480	1.1912	2479.3522	2480.5434	---	---
3DH1	Ant1	2402	1.1698	2401.3754	2402.5452	---	---
		2441	1.1746	2440.3723	2441.5469	---	---
		2480	1.1724	2479.3720	2480.5444	---	---

Test Graphs

DH1_Ant1_2402



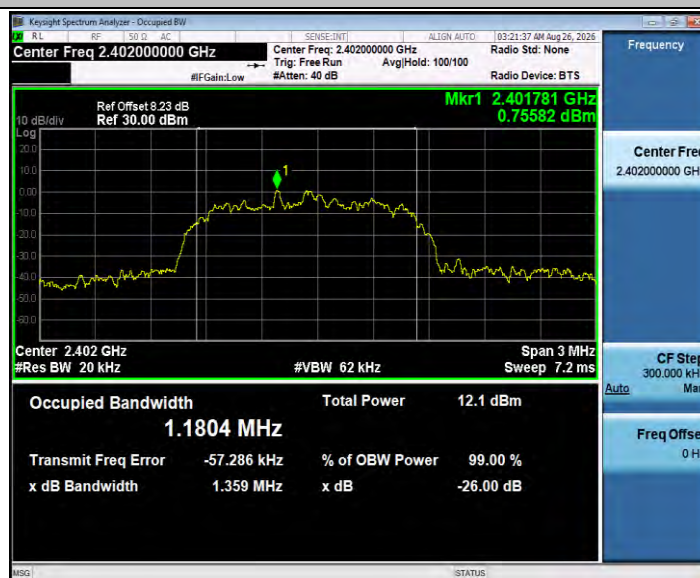
DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



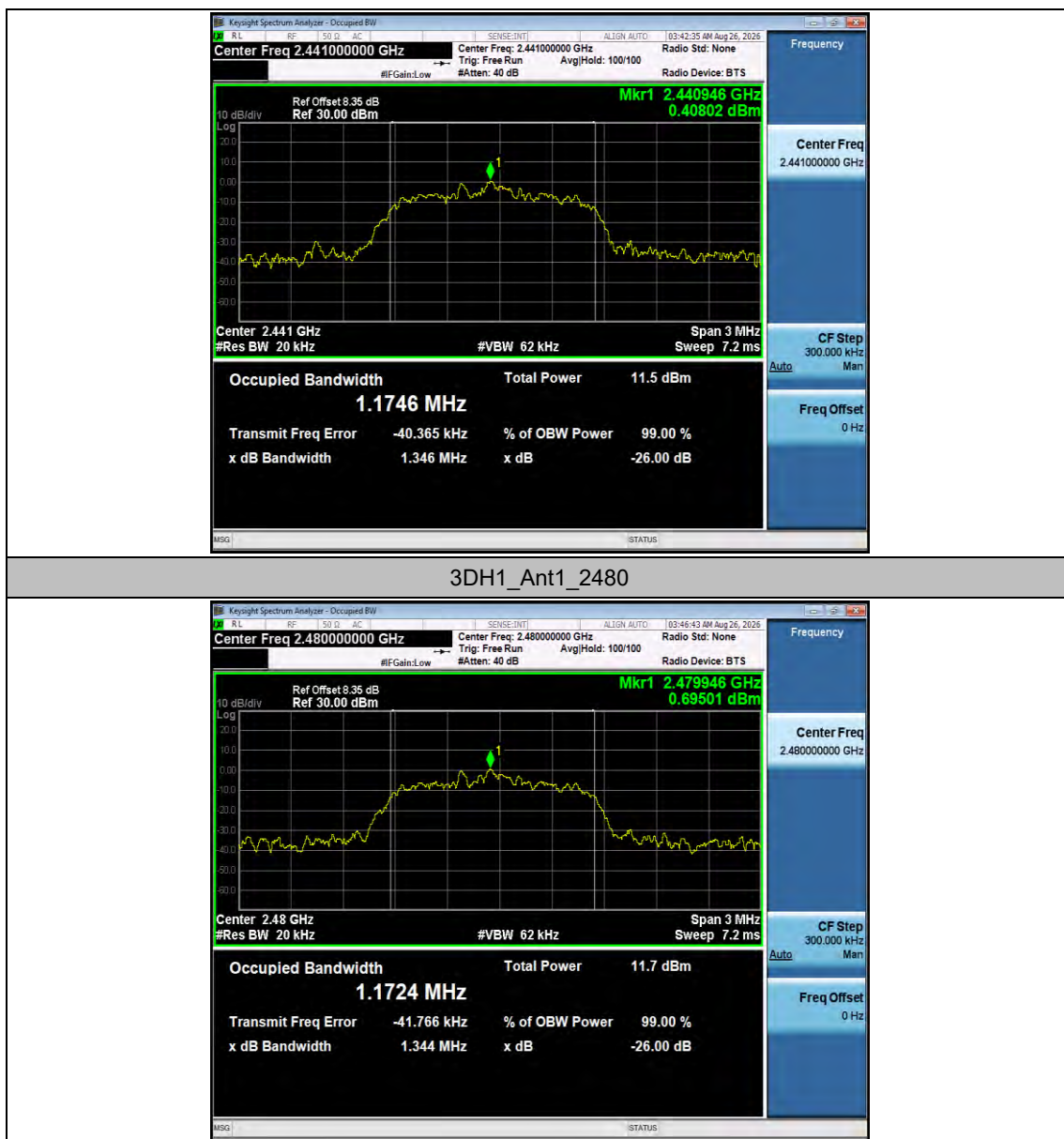
2DH1_Ant1_2480



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	9.36	≤ 20.97	PASS
		2441	8.89	≤ 20.97	PASS
		2480	8.76	≤ 20.97	PASS
2DH1	Ant1	2402	8.60	≤ 20.97	PASS
		2441	8.15	≤ 20.97	PASS
		2480	8.10	≤ 20.97	PASS
3DH1	Ant1	2402	8.74	≤ 20.97	PASS
		2441	8.25	≤ 20.97	PASS
		2480	8.25	≤ 20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.304	≥ 0.622	PASS
		Hop_2441	0.998	≥ 0.622	PASS
		Hop_2480	0.704	≥ 0.622	PASS
2DH1	Ant1	Hop_2402	1.03	≥ 0.880	PASS
		Hop_2441	1.004	≥ 0.880	PASS
		Hop_2480	0.992	≥ 0.880	PASS
3DH1	Ant1	Hop_2402	0.998	≥ 0.856	PASS
		Hop_2441	0.994	≥ 0.856	PASS
		Hop_2480	0.996	≥ 0.856	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441

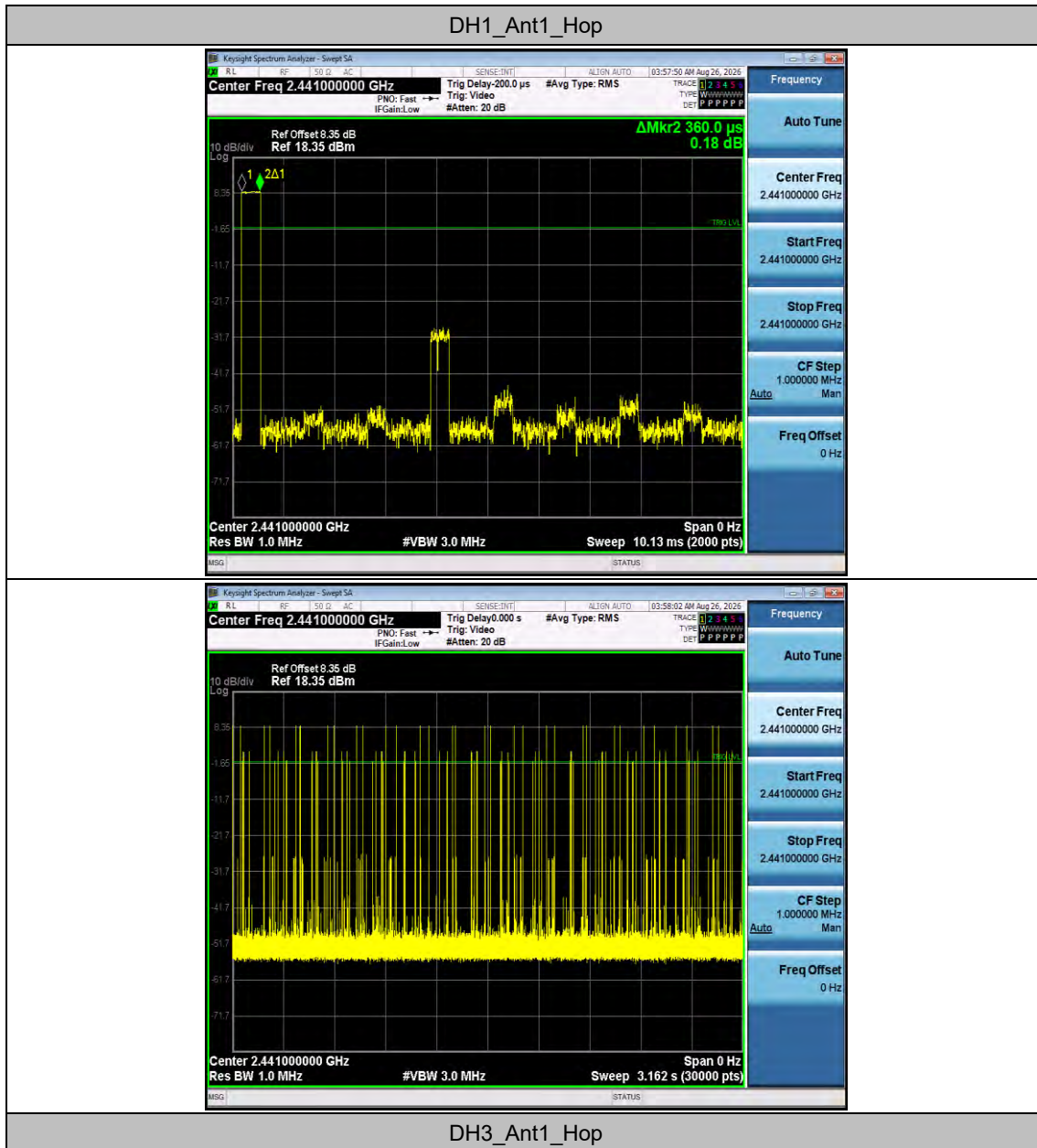


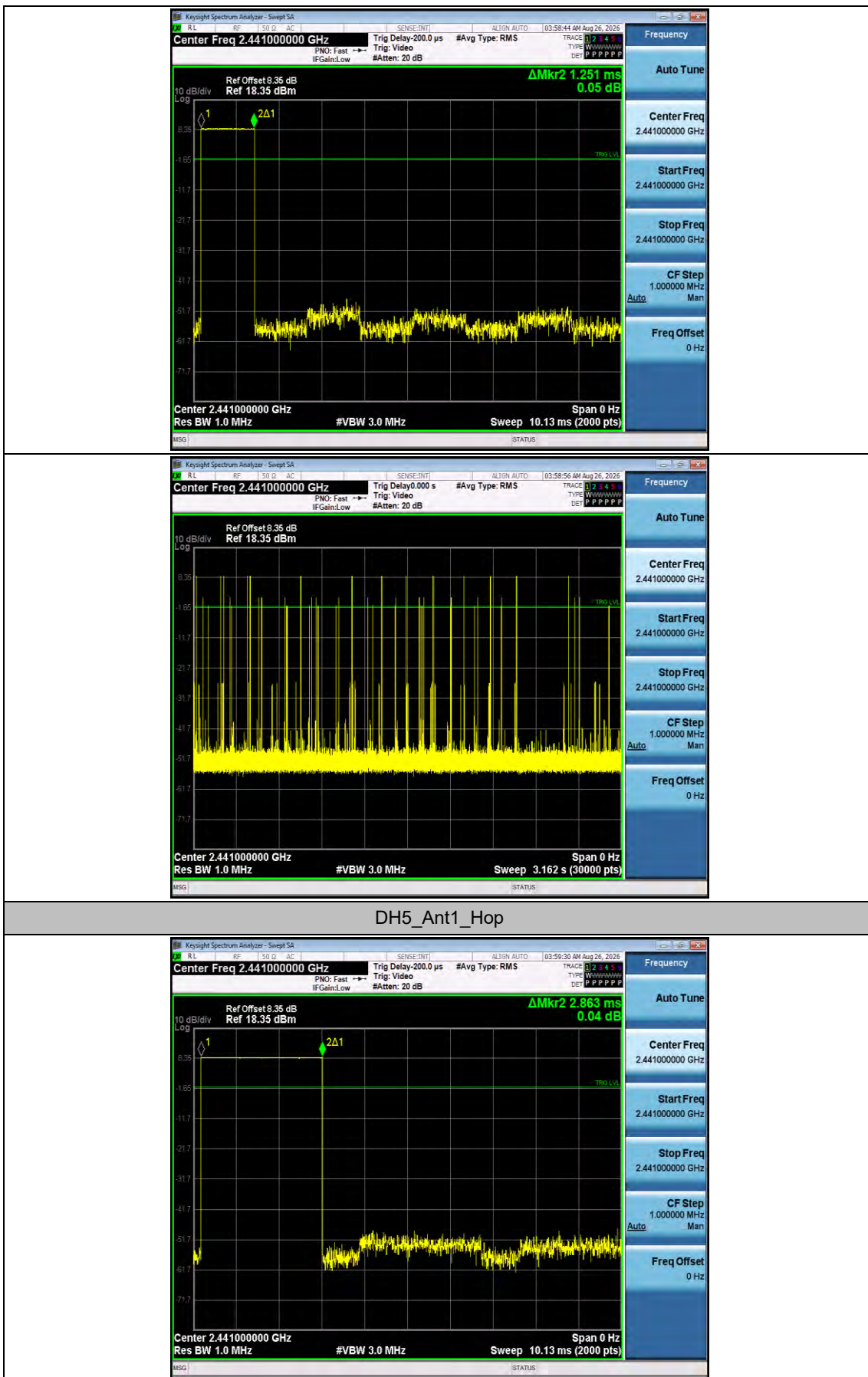
AppendixA.5: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.360	320	0.115	≤0.4	PASS
DH3	Ant1	Hop	1.251	170	0.213	≤0.4	PASS
DH5	Ant1	Hop	2.863	130	0.372	≤0.4	PASS
2DH1	Ant1	Hop	0.360	330	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.251	180	0.225	≤0.4	PASS
2DH5	Ant1	Hop	2.863	100	0.286	≤0.4	PASS
3DH1	Ant1	Hop	0.360	330	0.119	≤0.4	PASS
3DH3	Ant1	Hop	1.251	140	0.175	≤0.4	PASS
3DH5	Ant1	Hop	2.863	110	0.315	≤0.4	PASS

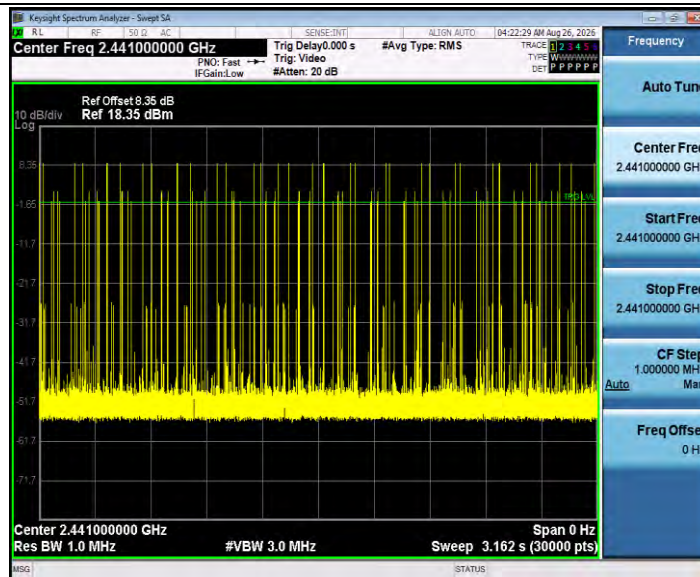
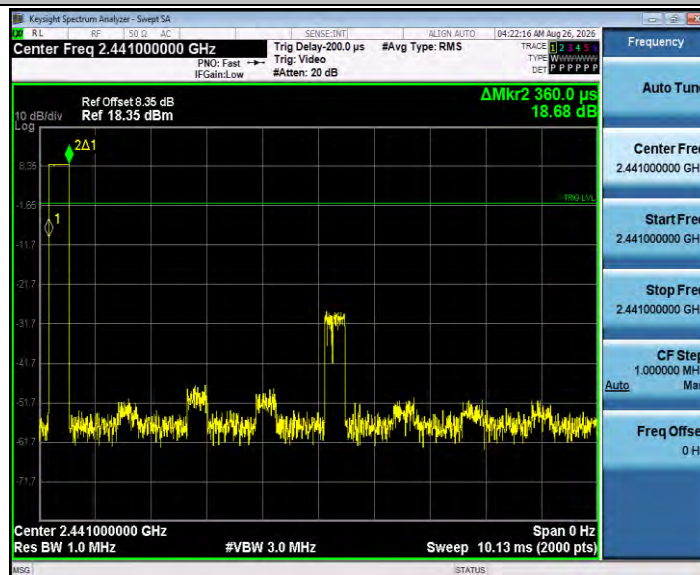
Test Graphs



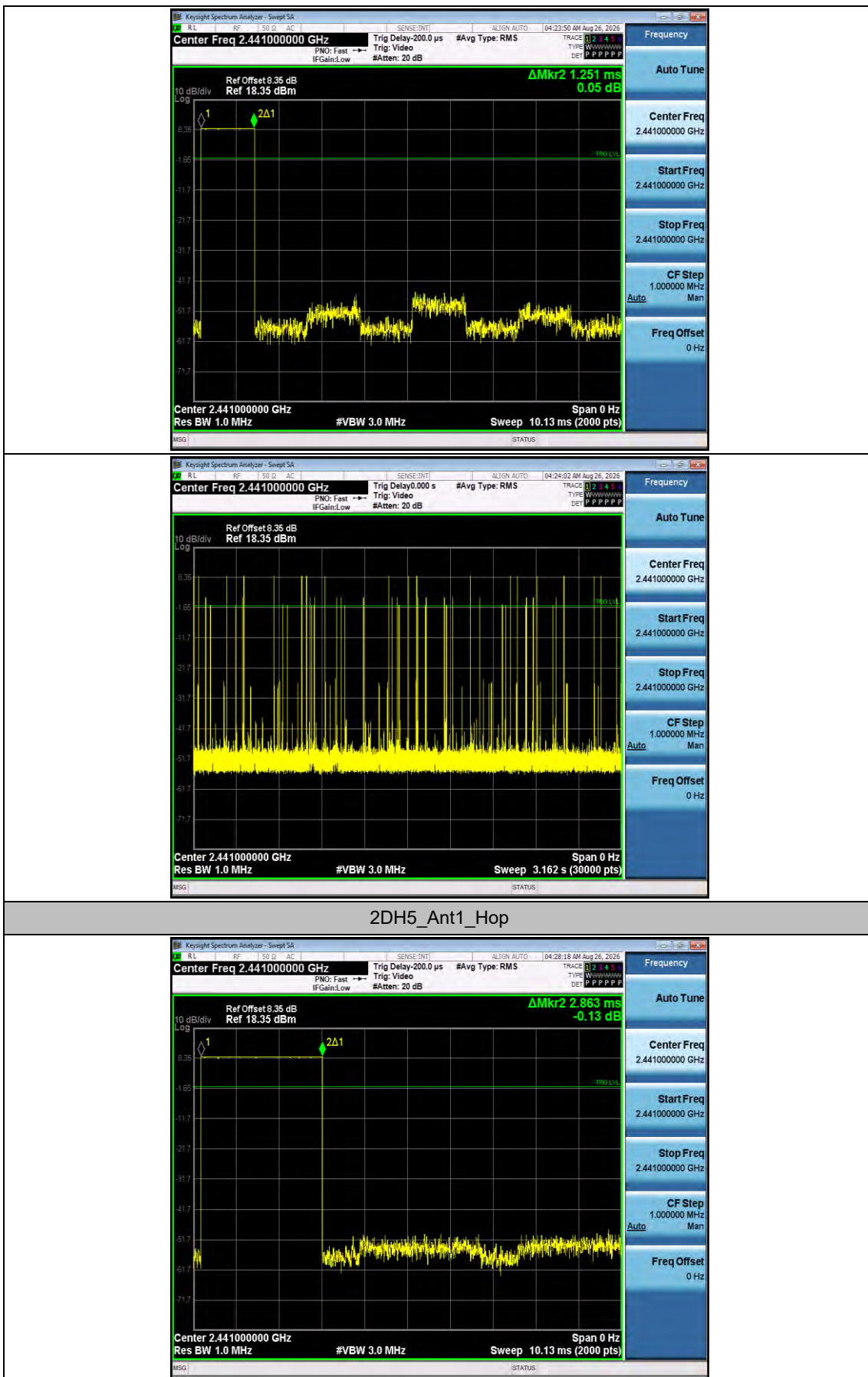




2DH1_Ant1_Hop

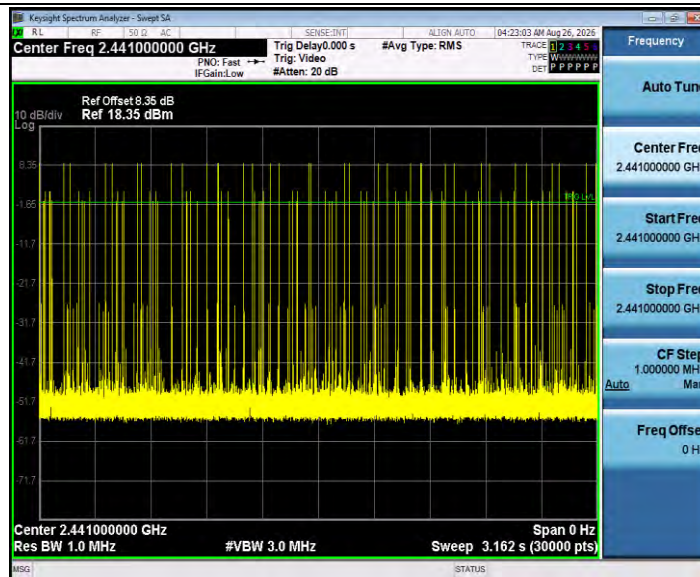
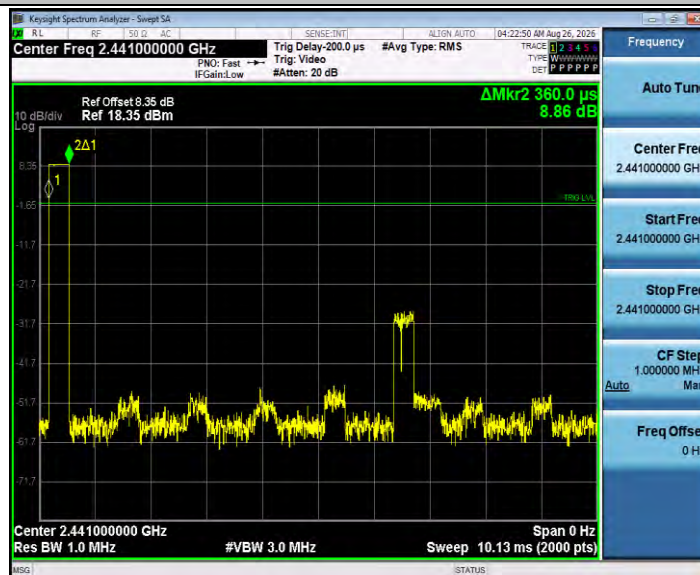


2DH3_Ant1_Hop

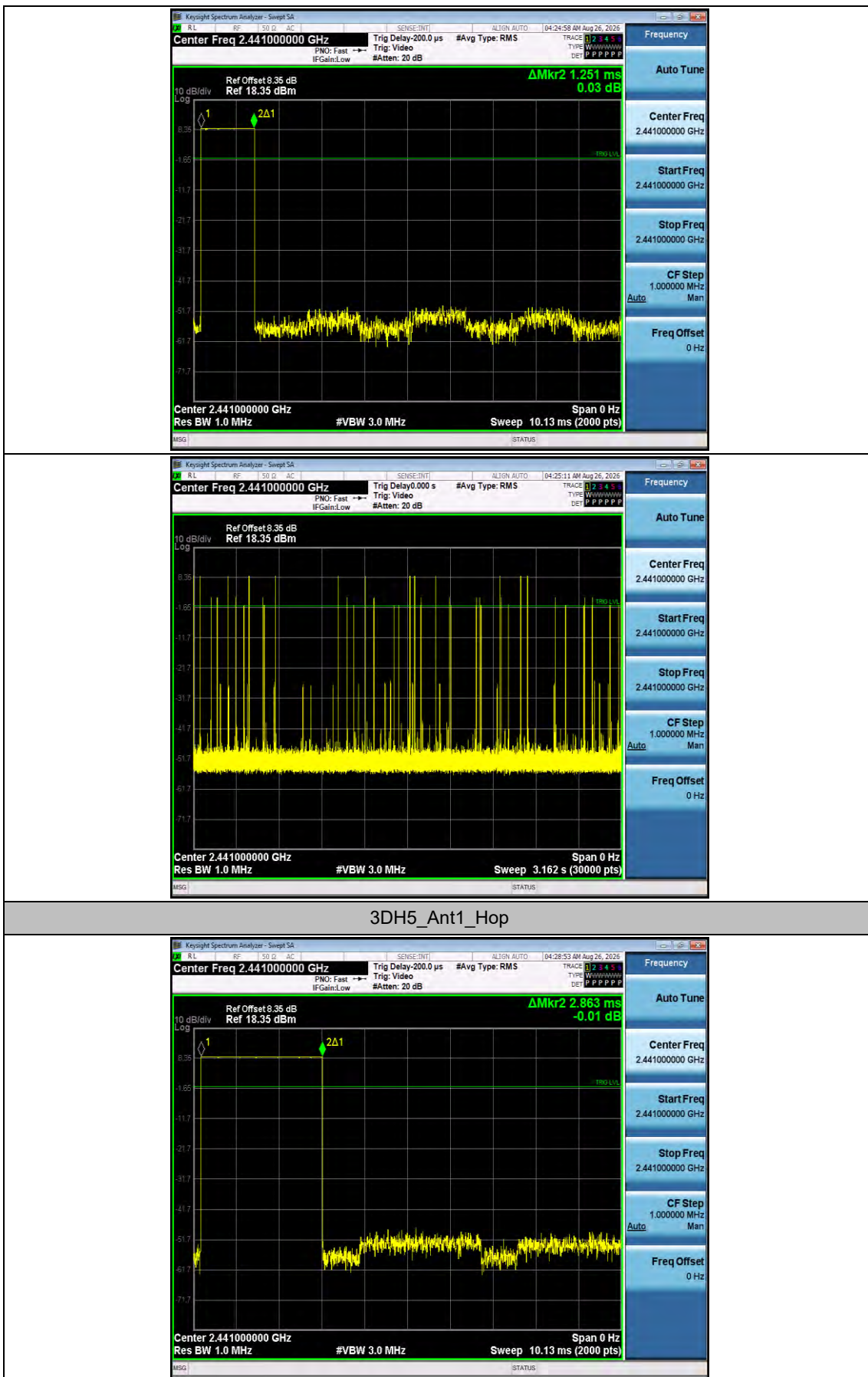




3DH1_Ant1_Hop



3DH3_Ant1_Hop



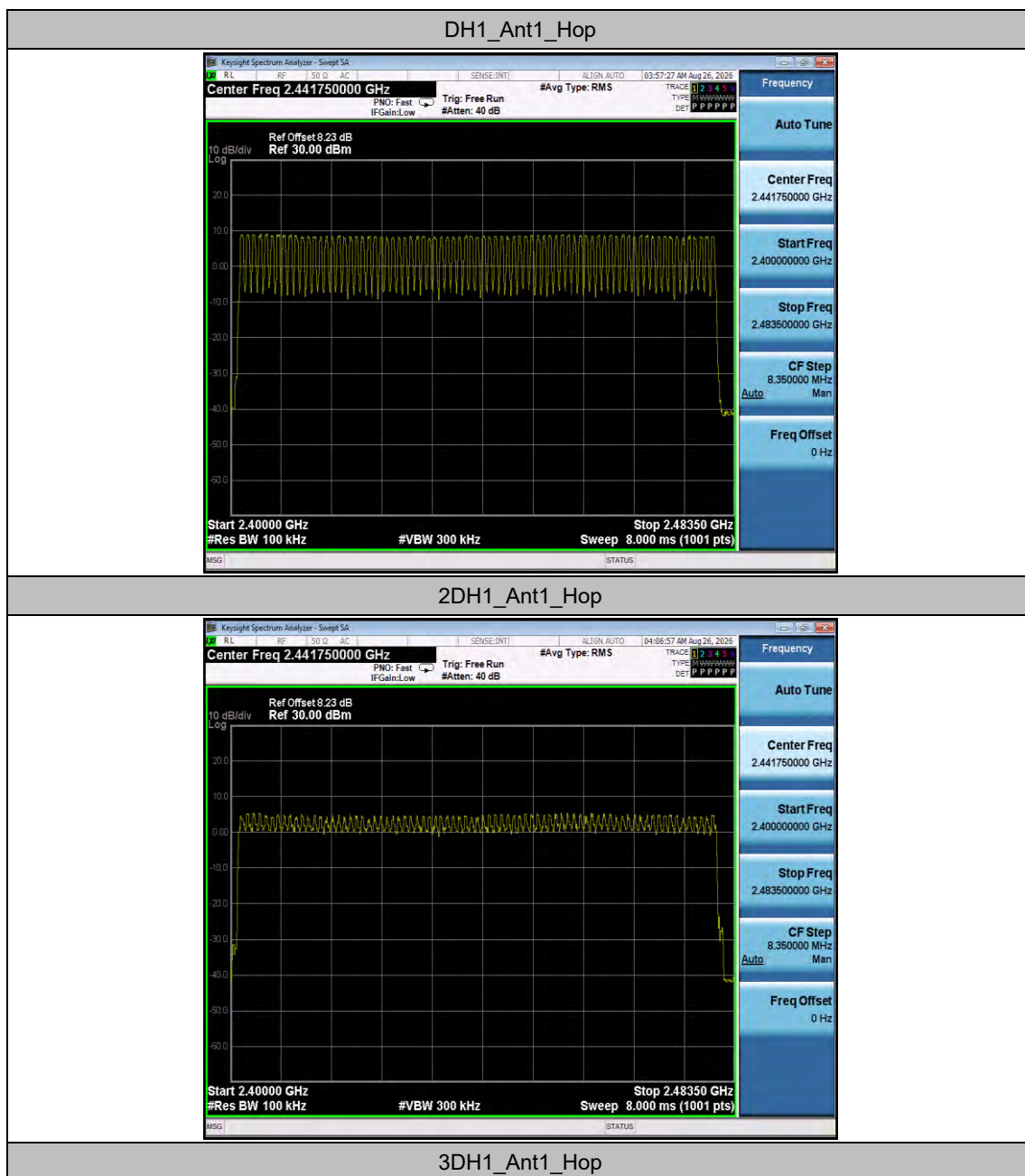


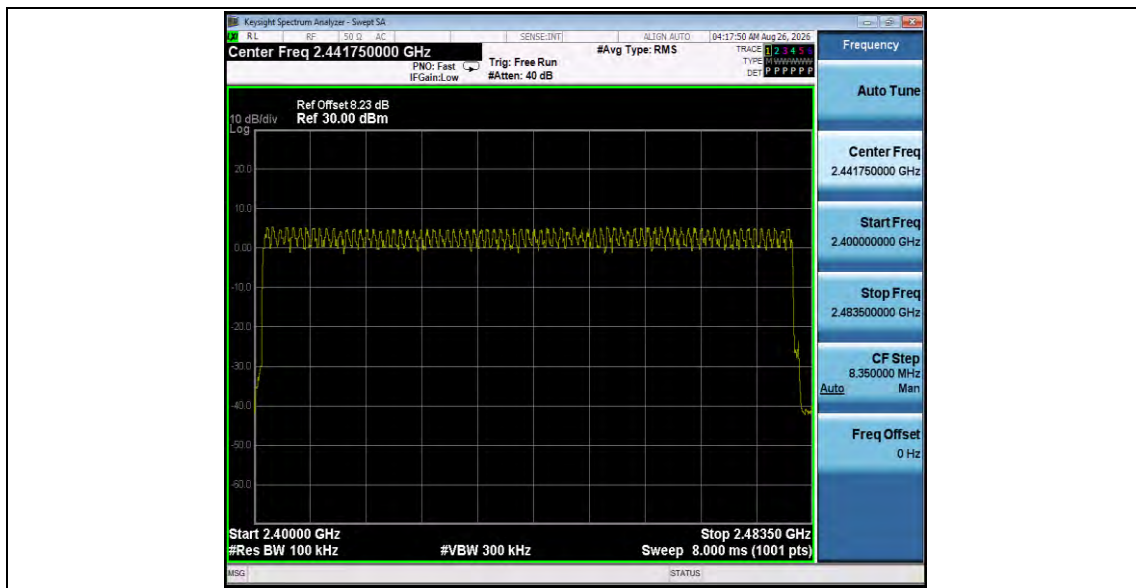
AppendixA.6: Number of hopping channels

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





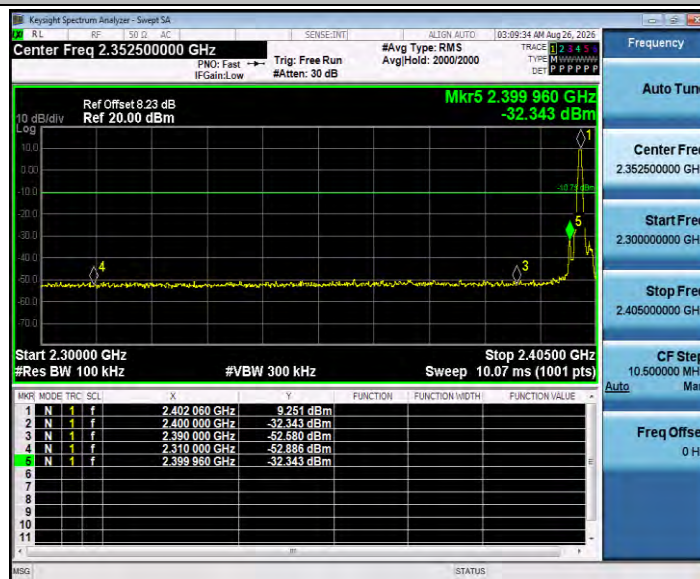
Appendix A.7: Band edge measurements

Test Result

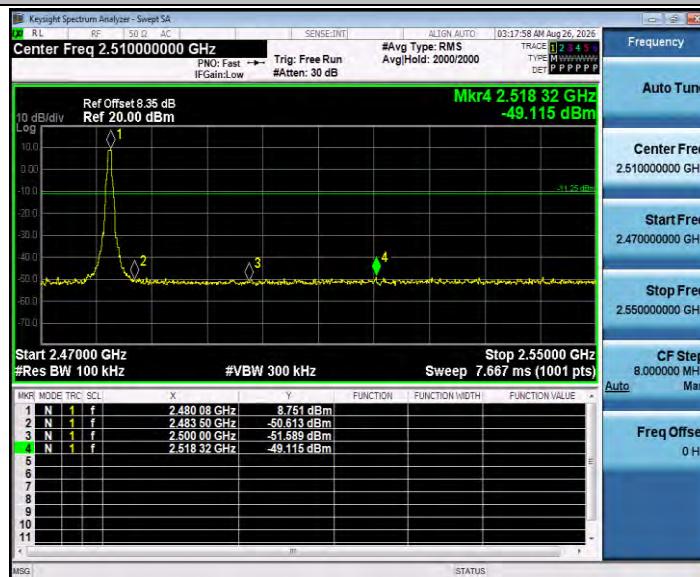
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	9.25	-32.34	≤ -10.75	PASS
		High	2480	8.75	-49.12	≤ -11.25	PASS
		Low	Hop_2402	8.90	-34.56	≤ -11.1	PASS
		High	Hop_2480	8.64	-49.13	≤ -11.36	PASS
2DH1	Ant1	Low	2402	5.41	-38.55	≤ -14.59	PASS
		High	2480	5.01	-49.38	≤ -14.99	PASS
		Low	Hop_2402	5.01	-41.69	≤ -14.99	PASS
		High	Hop_2480	5.03	-49.23	≤ -14.97	PASS
3DH1	Ant1	Low	2402	5.33	-38.13	≤ -14.67	PASS
		High	2480	5.06	-49.29	≤ -14.94	PASS
		Low	Hop_2402	5.19	-39.96	≤ -14.81	PASS
		High	Hop_2480	4.69	-48.64	≤ -15.31	PASS

Test Graphs

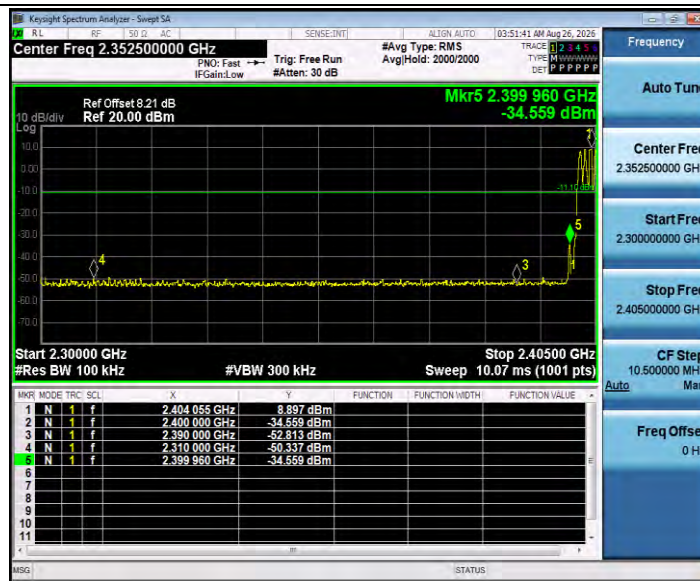
DH1_Ant1_Low_2402



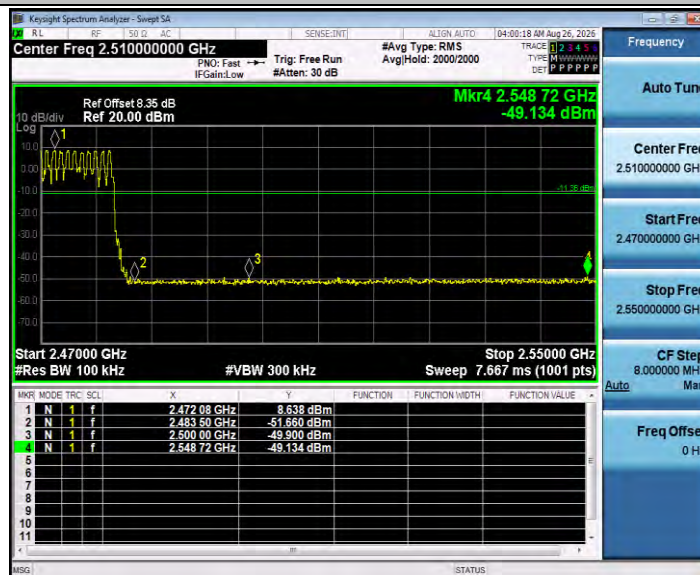
DH1_Ant1_High_2480



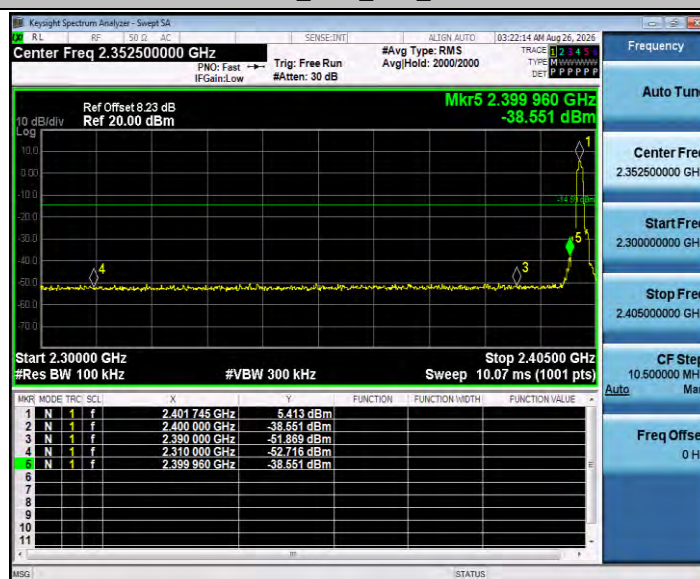
DH1_Ant1_Low_Hop_2402



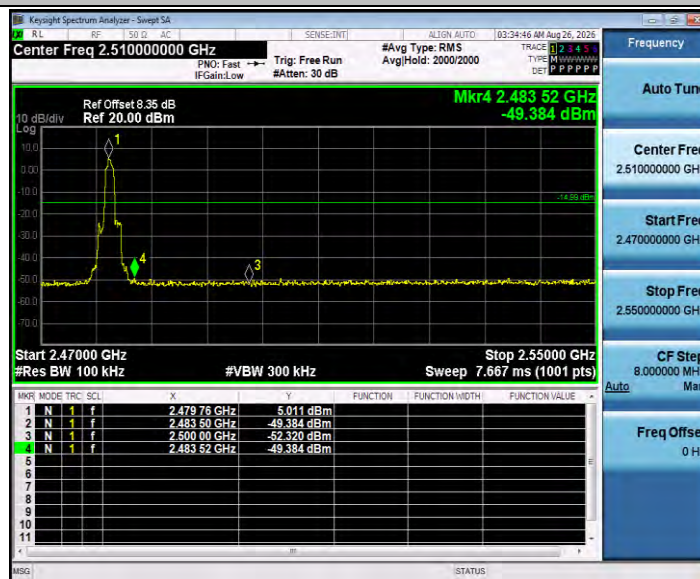
DH1_Ant1_High_Hop_2480



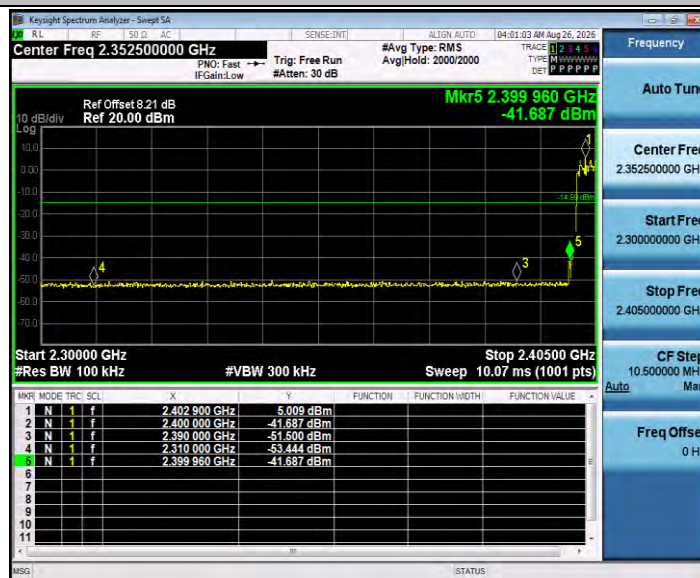
2DH1_Ant1_Low_2402



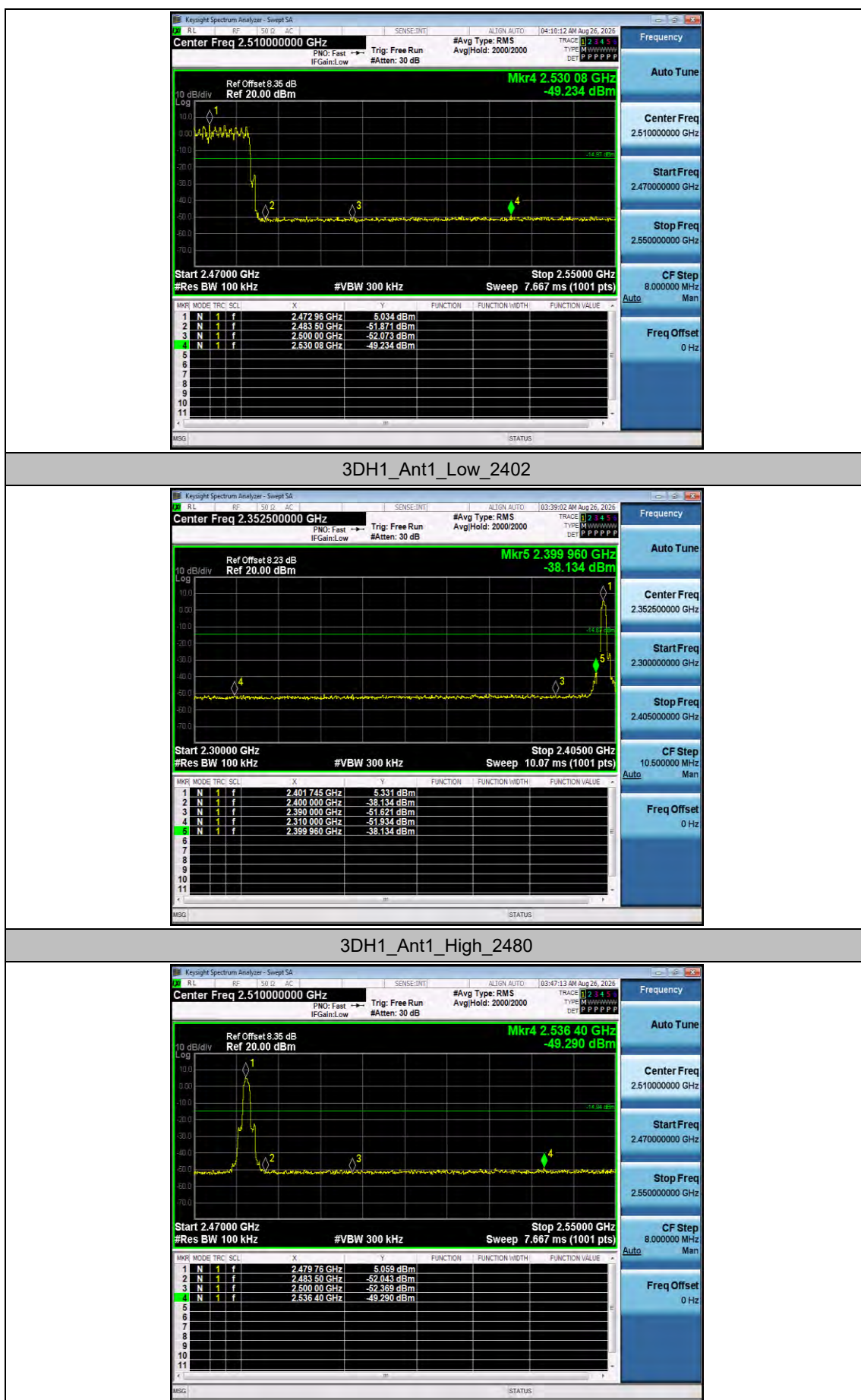
2DH1_Ant1_High_2480



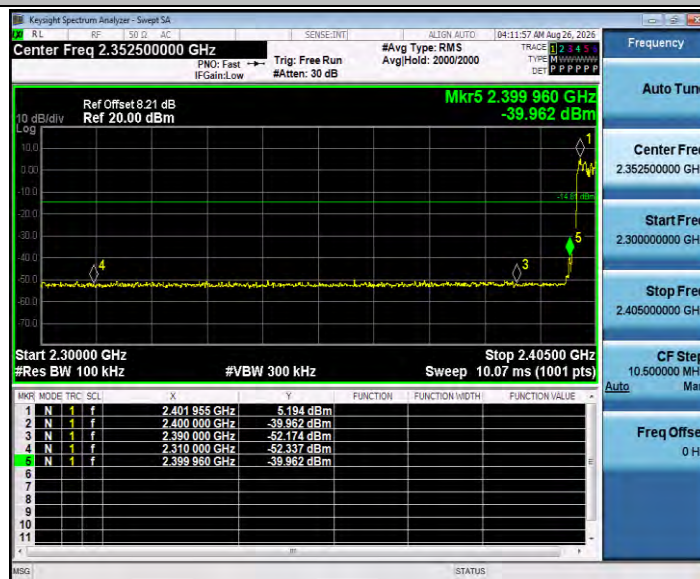
2DH1_Ant1_Low_Hop_2402



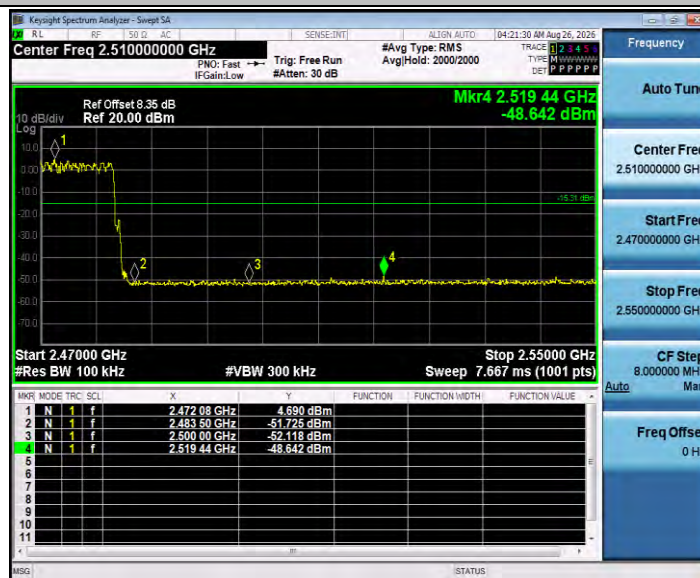
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

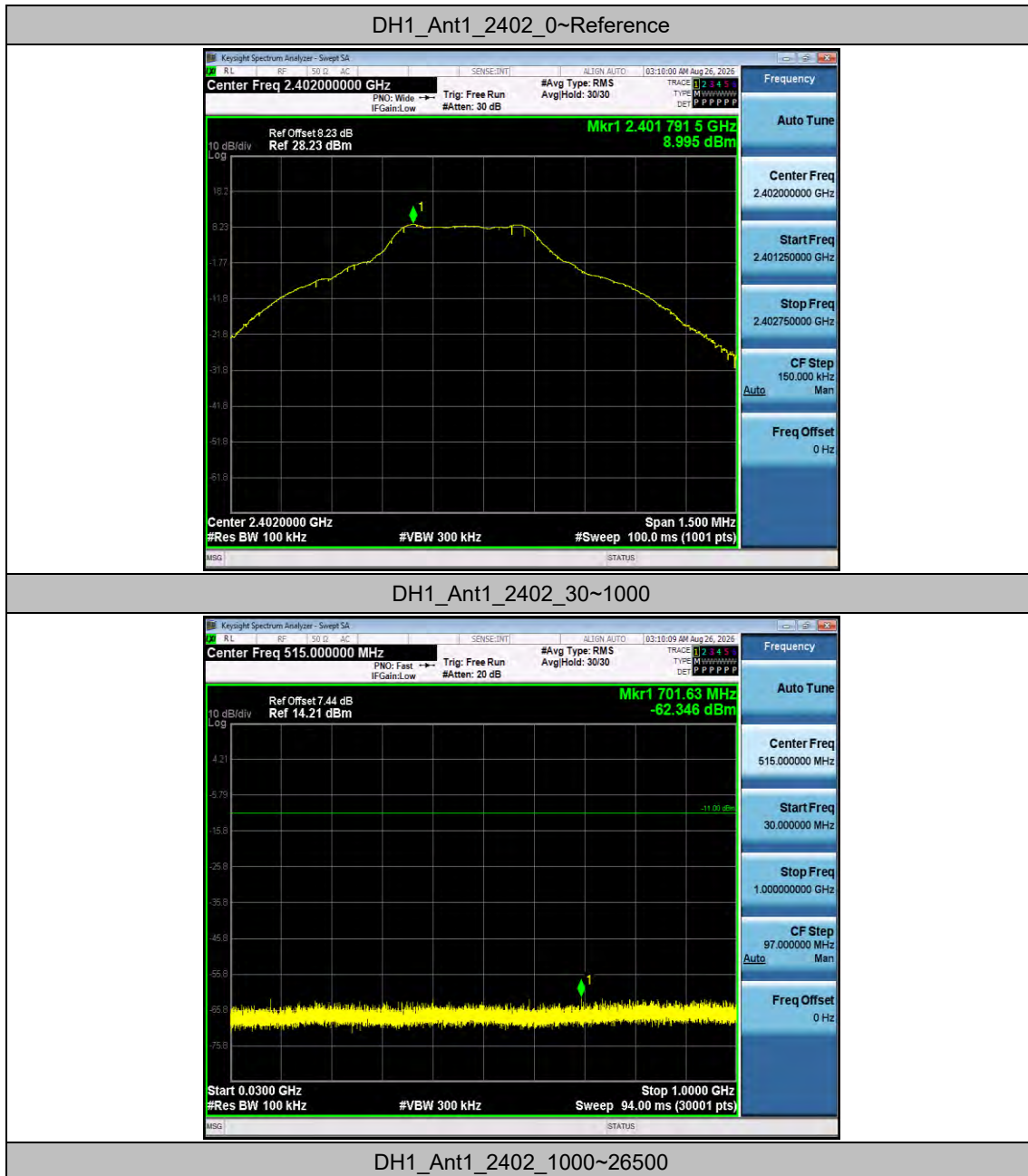


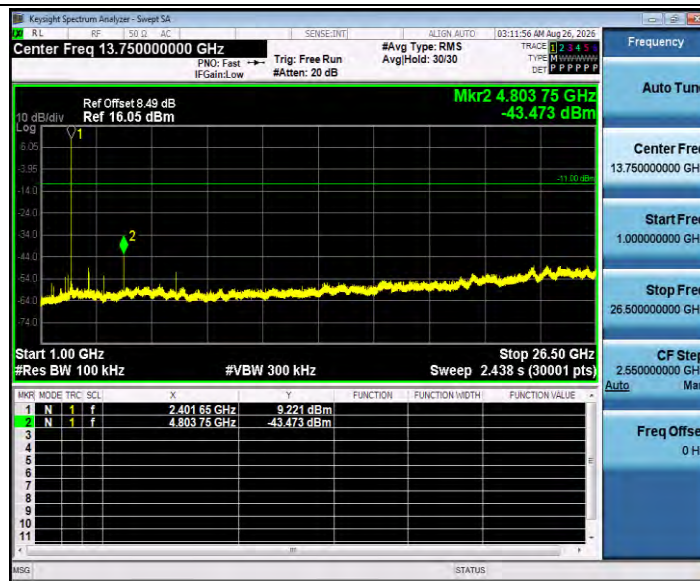
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	9.00	9.00	---	PASS
			30~1000	9.00	-62.35	≤-11	PASS
			1000~26500	9.00	-43.47	≤-11	PASS
		2441	Reference	8.53	8.53	---	PASS
			30~1000	8.53	-62.02	≤-11.47	PASS
			1000~26500	8.53	-42.01	≤-11.47	PASS
		2480	Reference	8.48	8.48	---	PASS
			30~1000	8.48	-62.49	≤-11.52	PASS
			1000~26500	8.48	-47.51	≤-11.52	PASS
2DH1	Ant1	2402	Reference	5.19	5.19	---	PASS
			30~1000	5.19	-61.7	≤-14.81	PASS
			1000~26500	5.19	-46.89	≤-14.81	PASS
		2441	Reference	4.74	4.74	---	PASS
			30~1000	4.74	-61.93	≤-15.26	PASS
			1000~26500	4.74	-47.01	≤-15.26	PASS
		2480	Reference	4.86	4.86	---	PASS
			30~1000	4.86	-60.82	≤-15.14	PASS
			1000~26500	4.86	-48.34	≤-15.14	PASS
3DH1	Ant1	2402	Reference	5.26	5.26	---	PASS
			30~1000	5.26	-61.4	≤-14.74	PASS
			1000~26500	5.26	-47.57	≤-14.74	PASS
		2441	Reference	4.85	4.85	---	PASS
			30~1000	4.85	-62.26	≤-15.15	PASS
			1000~26500	4.85	-47.61	≤-15.15	PASS
		2480	Reference	4.97	4.97	---	PASS
			30~1000	4.97	-62.01	≤-15.03	PASS
			1000~26500	4.97	-47.78	≤-15.03	PASS

Test Graphs

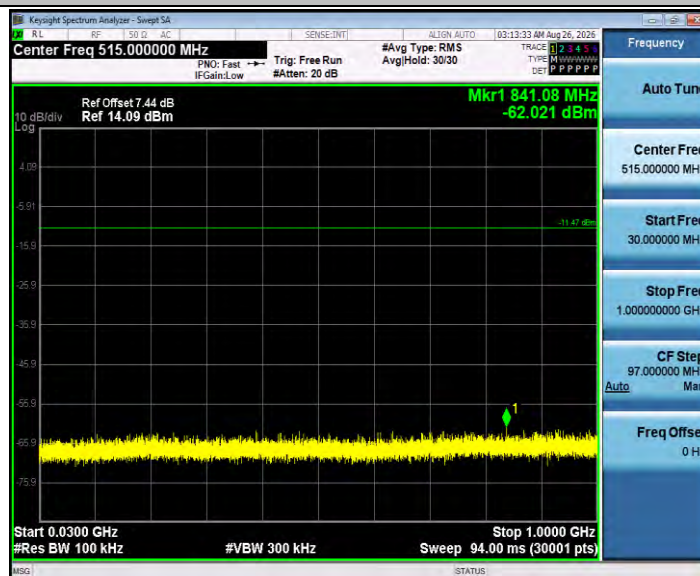




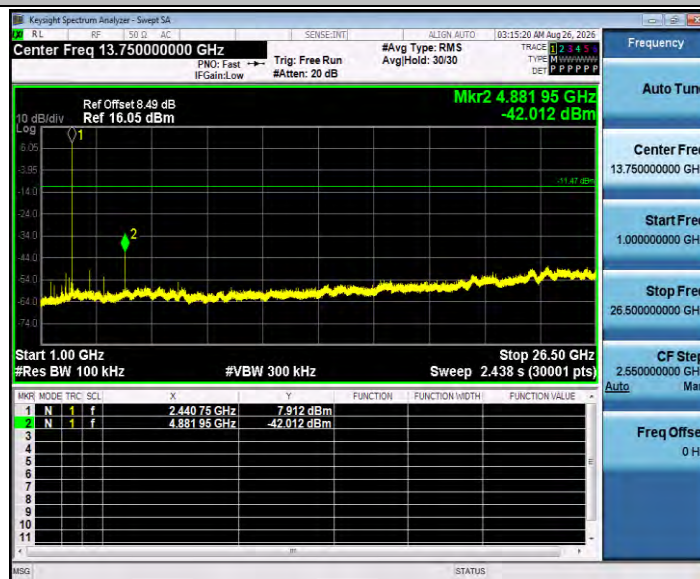
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



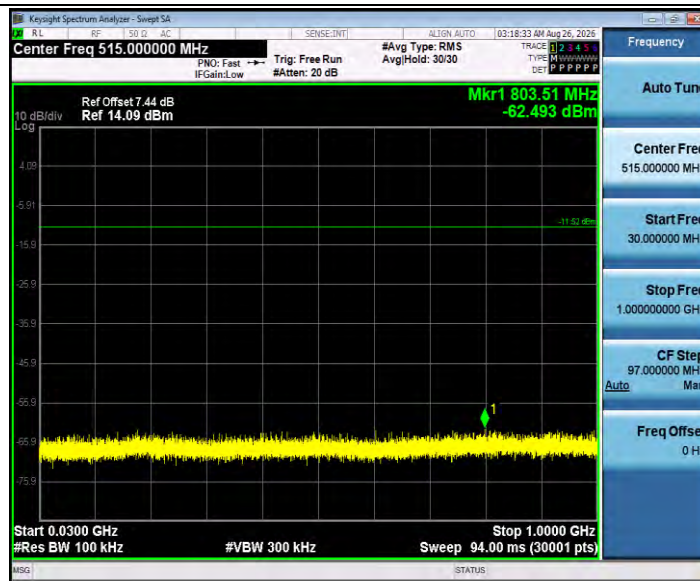
DH1_Ant1_2441_1000~26500



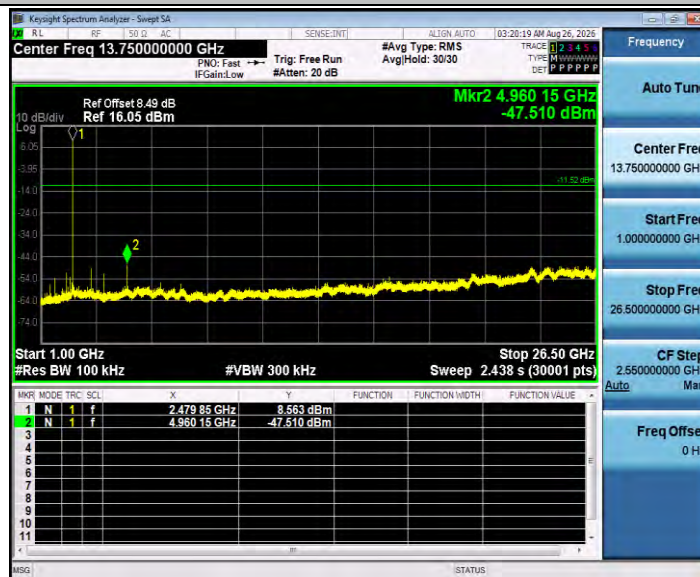
DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

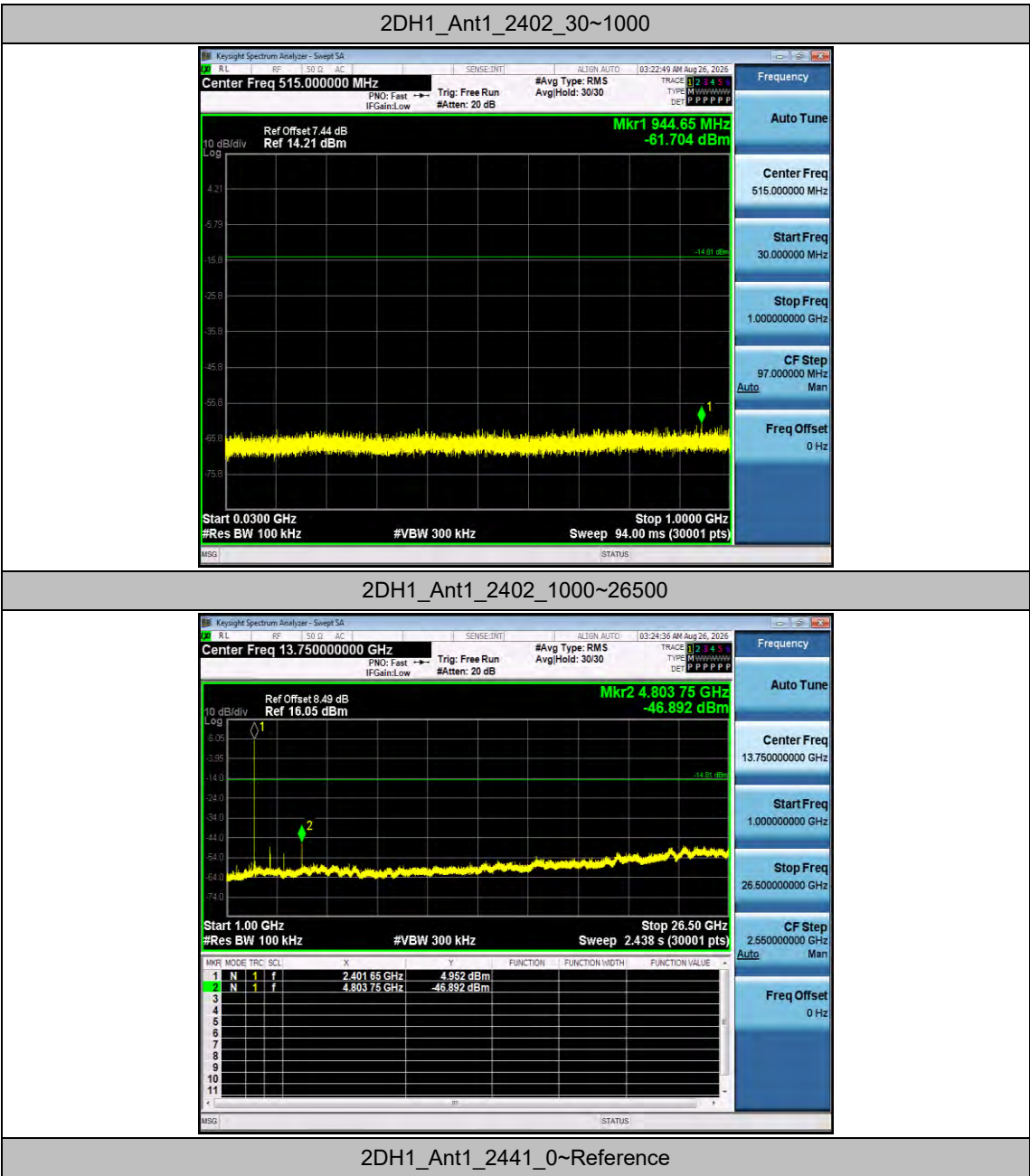


DH1_Ant1_2480_1000~26500



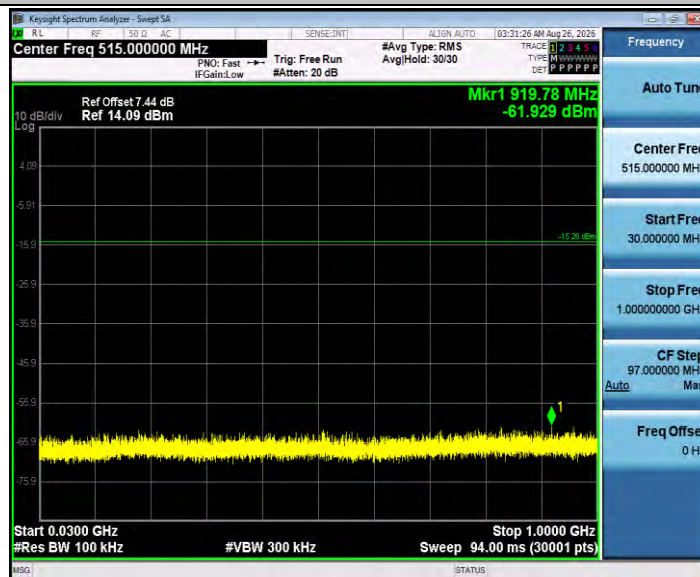
2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



2DH1_Ant1_2441_1000~26500



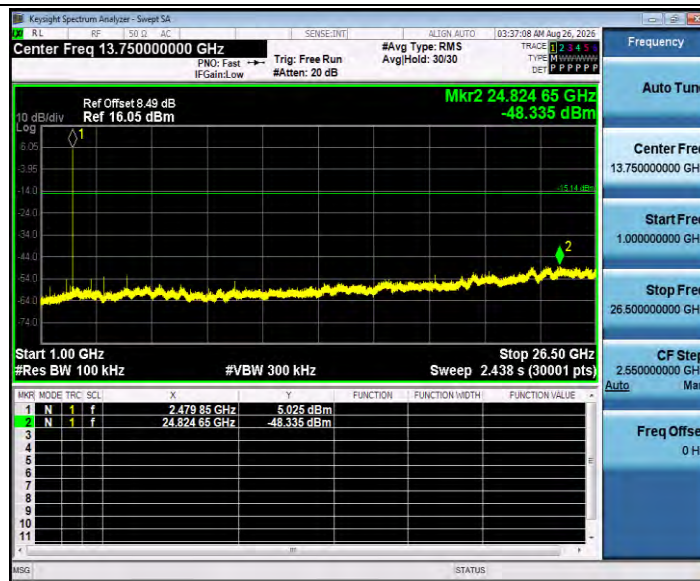
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



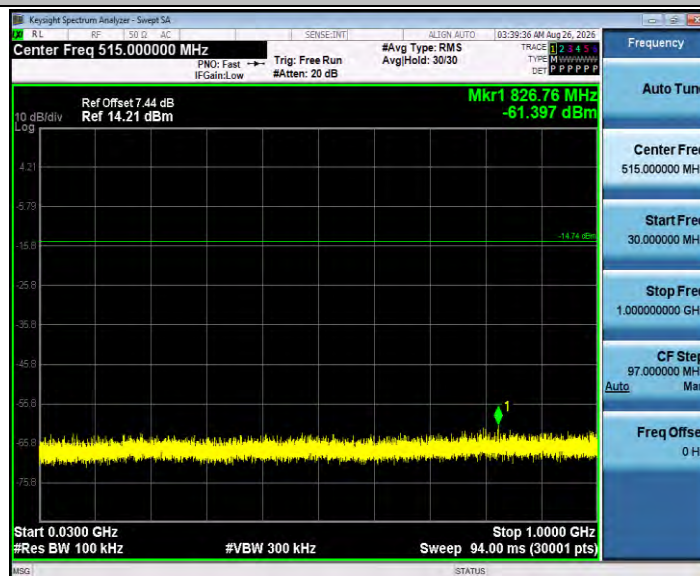
2DH1_Ant1_2480_1000~26500



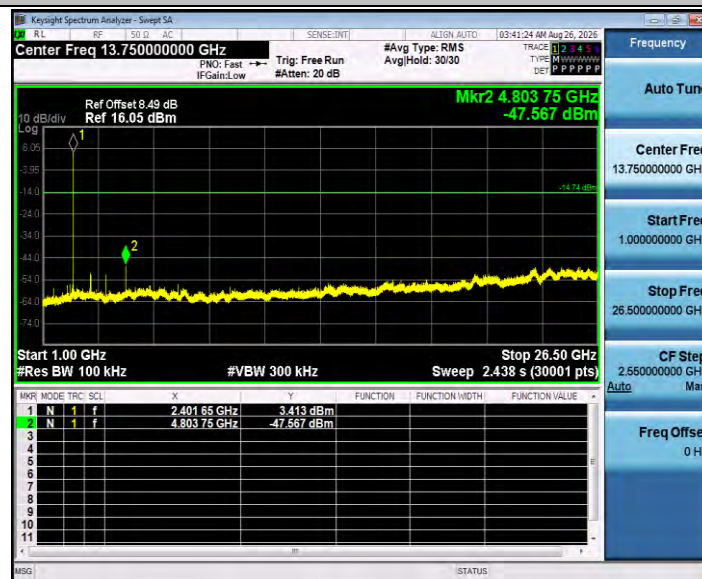
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



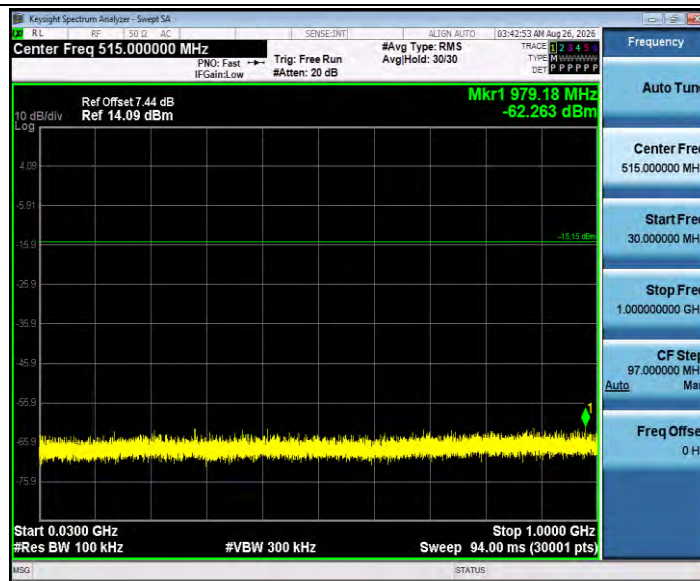
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

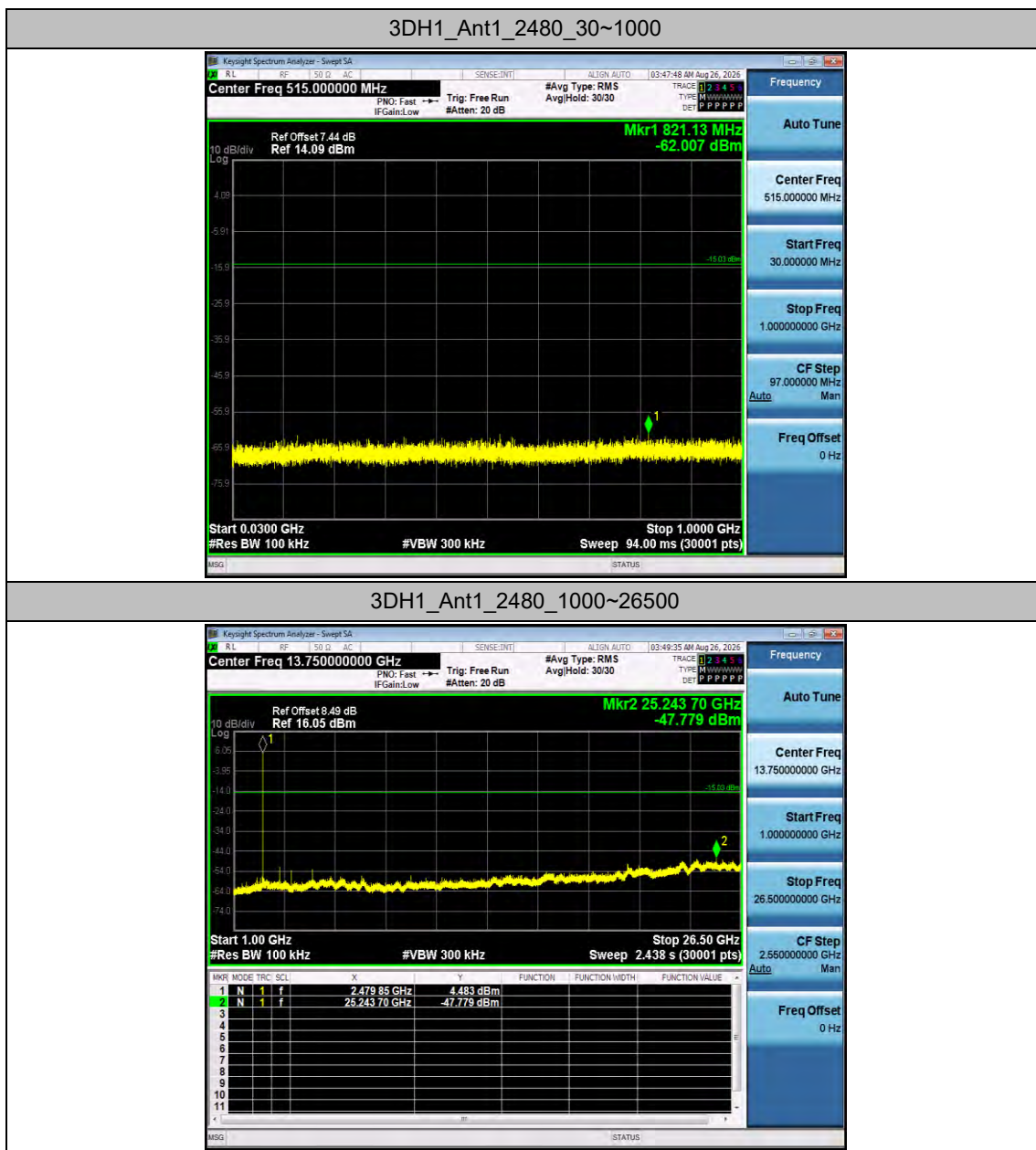


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

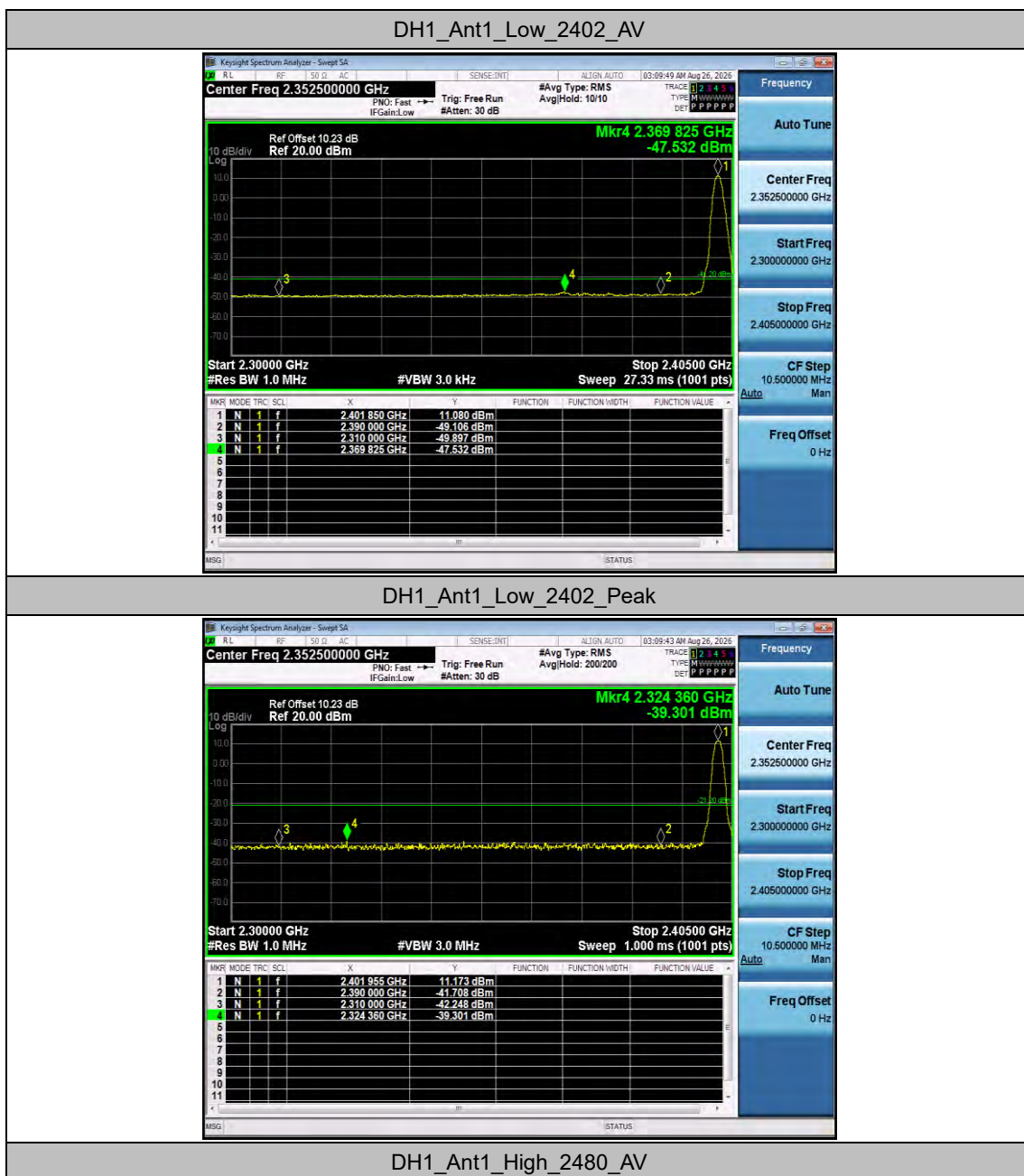
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.9	≤-41.20	45.30	≤54	PASS
				AV	2369.825	-47.53	≤-41.20	47.67	≤54	PASS
				AV	2390.000	-49.11	≤-41.20	46.09	≤54	PASS
				Peak	2310.000	-42.25	≤-21.20	52.95	≤74	PASS
				Peak	2324.360	-39.3	≤-21.20	55.90	≤74	PASS
				Peak	2390.000	-41.71	≤-21.20	53.49	≤74	PASS
		High	2480	AV	2483.500	-46.58	≤-41.20	48.62	≤54	PASS
				AV	2483.520	-46.58	≤-41.20	48.62	≤54	PASS
				AV	2500.000	-48.54	≤-41.20	46.66	≤54	PASS
				Peak	2483.500	-39.76	≤-21.20	55.44	≤74	PASS
				Peak	2490.240	-38.93	≤-21.20	56.27	≤74	PASS
				Peak	2500.000	-41.69	≤-21.20	53.51	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.29	≤-41.20	45.91	≤54	PASS
				AV	2369.930	-48.28	≤-41.20	46.92	≤54	PASS
				AV	2390.000	-49.03	≤-41.20	46.17	≤54	PASS
				Peak	2310.000	-42.18	≤-21.20	53.02	≤74	PASS
				Peak	2365.940	-39.43	≤-21.20	55.77	≤74	PASS
				Peak	2390.000	-40.33	≤-21.20	54.87	≤74	PASS
		High	2480	AV	2483.500	-46.8	≤-41.20	48.40	≤54	PASS
				AV	2483.520	-46.8	≤-41.20	48.40	≤54	PASS
				AV	2500.000	-48.86	≤-41.20	46.34	≤54	PASS
				Peak	2483.500	-41.5	≤-21.20	53.70	≤74	PASS
				Peak	2485.360	-39.2	≤-21.20	56.00	≤74	PASS
				Peak	2500.000	-41.67	≤-21.20	53.53	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.42	≤-41.20	45.78	≤54	PASS
				AV	2370.140	-48.16	≤-41.20	47.04	≤54	PASS
				AV	2390.000	-48.96	≤-41.20	46.24	≤54	PASS
				Peak	2310.000	-42.81	≤-21.20	52.39	≤74	PASS
				Peak	2385.365	-39.03	≤-21.20	56.17	≤74	PASS
				Peak	2390.000	-43.23	≤-21.20	51.97	≤74	PASS
		High	2480	AV	2483.500	-47.1	≤-41.20	48.10	≤54	PASS
				AV	2483.520	-47.1	≤-41.20	48.10	≤54	PASS
				AV	2500.000	-49.06	≤-41.20	46.14	≤54	PASS
				Peak	2483.500	-42.18	≤-21.20	53.02	≤74	PASS
				Peak	2491.440	-38.89	≤-21.20	56.31	≤74	PASS

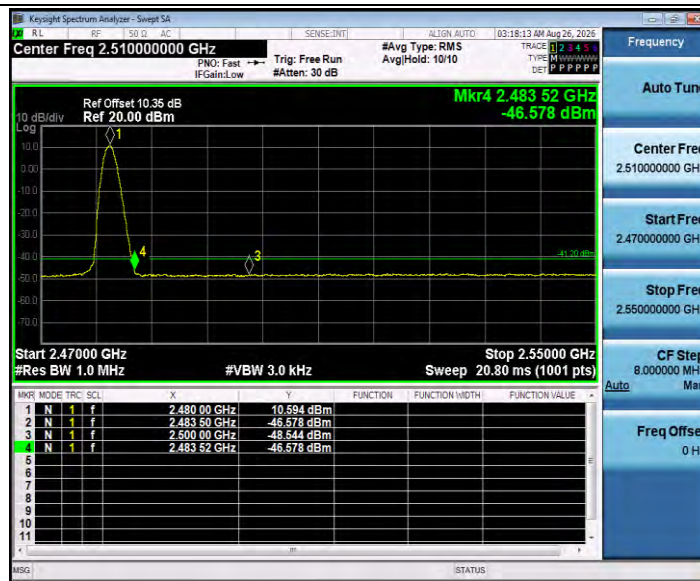
				Peak	2500.000	-42.68	≤-21.20	52.52	≤74	PASS
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Note:

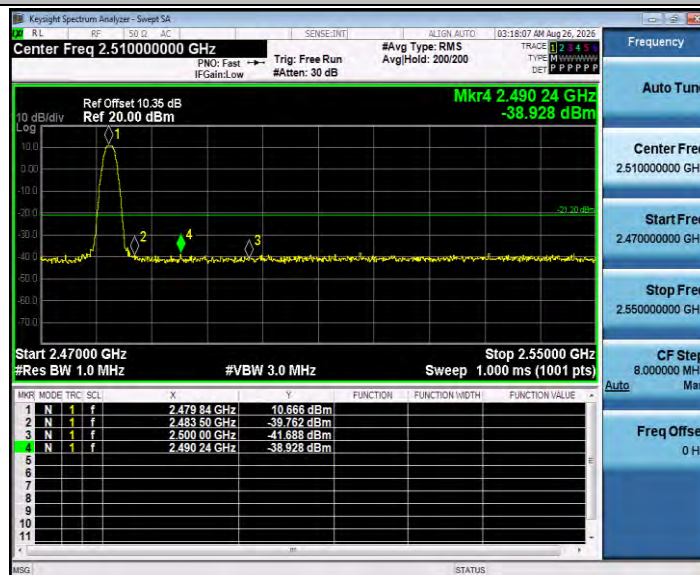
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

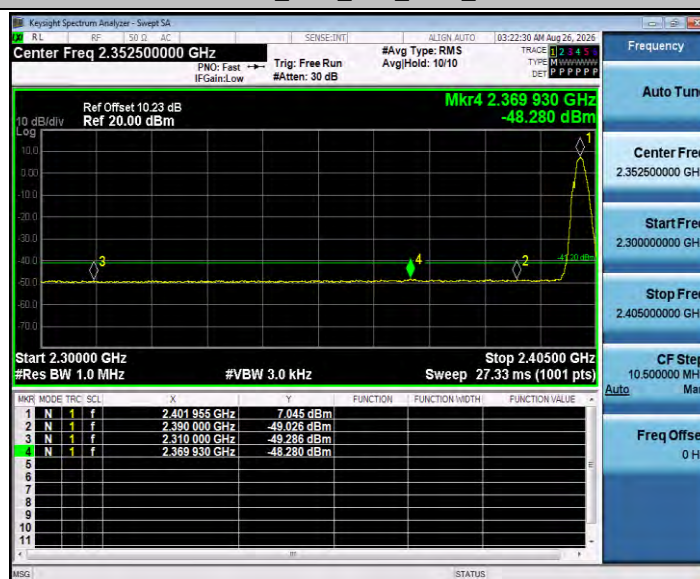




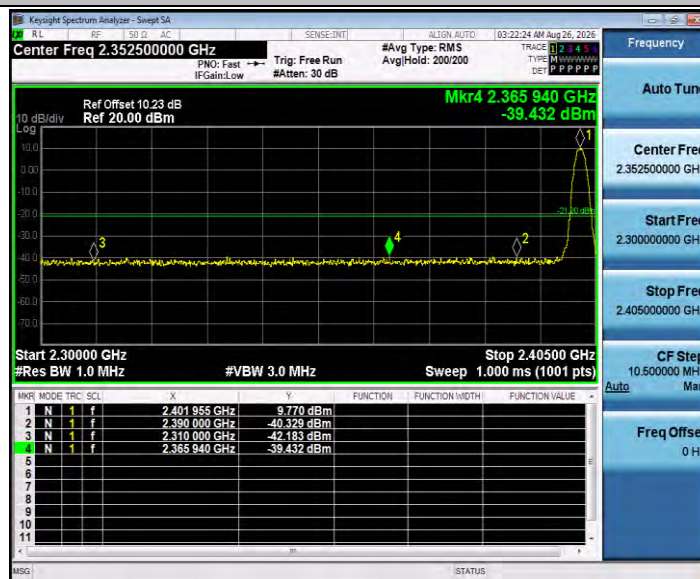
DH1_Ant1_High_2480_Peak



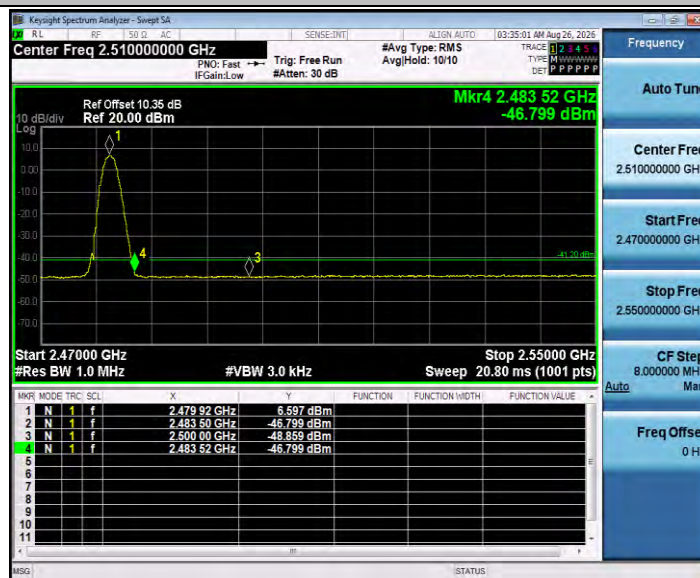
2DH1_Ant1_Low_2402_AV



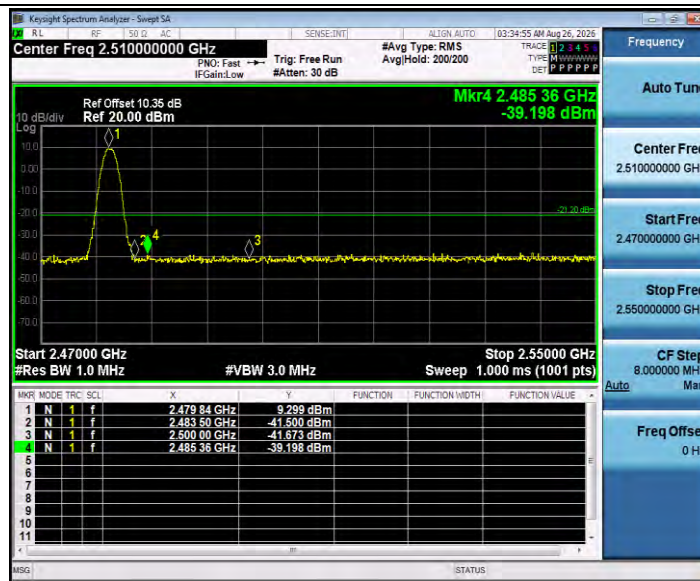
2DH1_Ant1_Low_2402_Peak



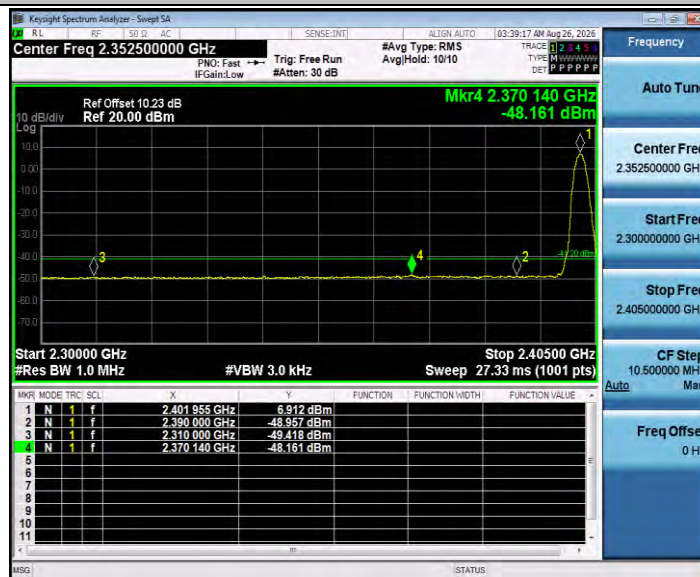
2DH1_Ant1_High_2480_AV



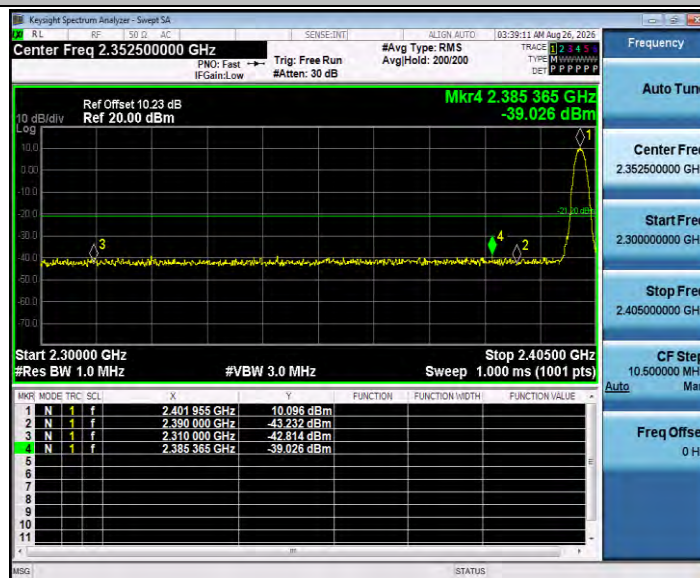
2DH1_Ant1_High_2480_Peak

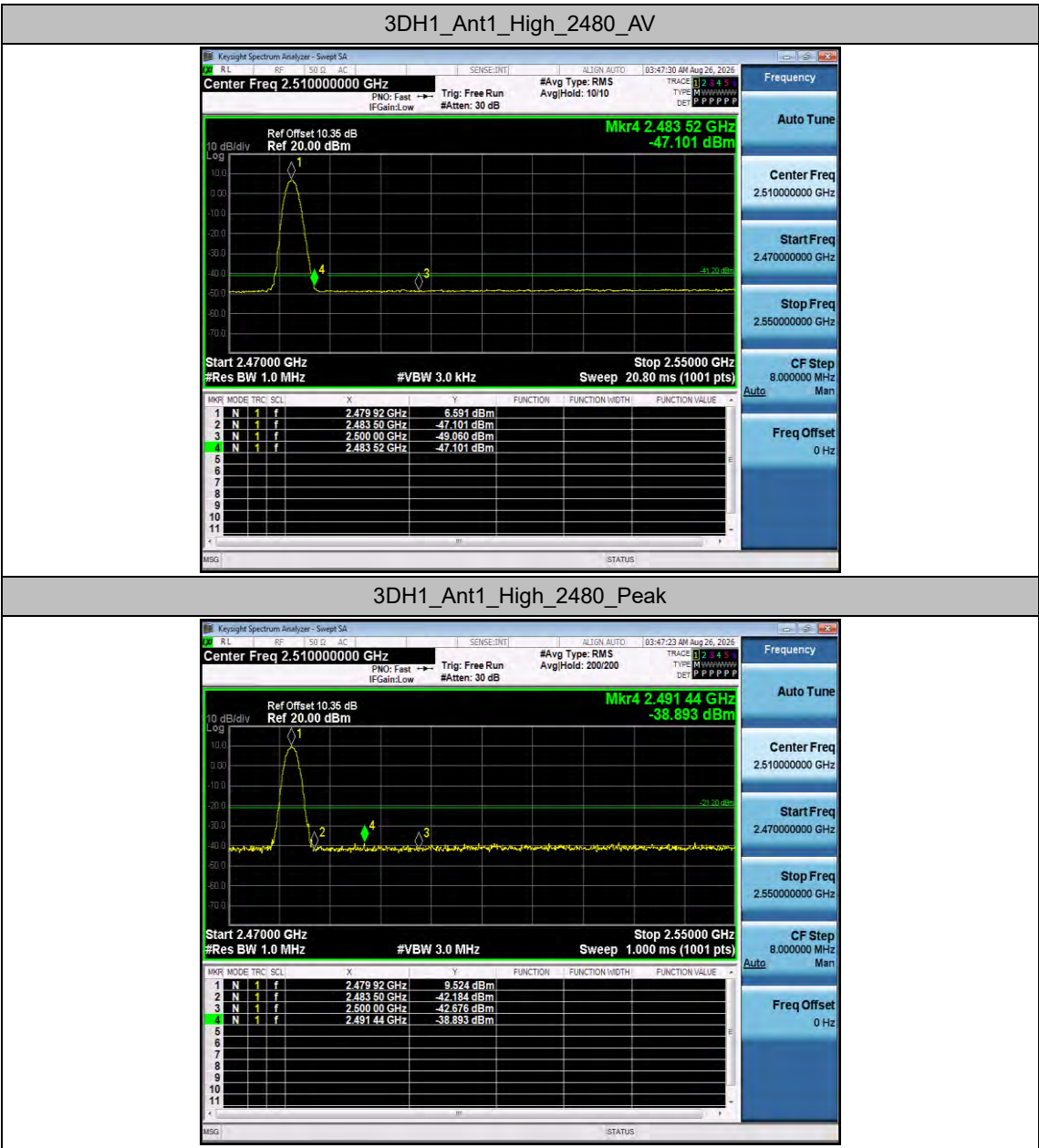


3DH1_Ant1_Low_2402_AV



3DH1_Ant1_Low_2402_Peak





3DH1_Ant1_High_2480_Peak

Frequency
Auto Tune
Center Freq 2.510000000 GHz
Start Freq 2.470000000 GHz
Stop Freq 2.550000000 GHz
CF Step 8.0000000 MHz
Auto
Man
Freq Offset 0 Hz