

Case No. : <u>GTS20260718003-1-01</u>
Ambient Condition: <u>22</u> °C, <u>48</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.7.24-2026.8.12</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	1.035	2401.490	2402.525	---	---
		2441	1.038	2440.490	2441.528	---	---
		2480	1.035	2479.490	2480.525	---	---
2DH1	Ant1	2402	1.347	2401.325	2402.672	---	---
		2441	1.350	2440.325	2441.675	---	---
		2480	1.353	2479.322	2480.675	---	---
3DH1	Ant1	2402	1.299	2401.343	2402.642	---	---
		2441	1.296	2440.346	2441.642	---	---
		2480	1.293	2479.343	2480.636	---	---

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



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	0.90769	2401.5366	2402.4443	---	---
		2441	0.90913	2440.5353	2441.4445	---	---
		2480	0.91085	2479.5331	2480.4439	---	---
2DH1	Ant1	2402	1.1796	2401.4084	2402.5880	---	---
		2441	1.1800	2440.4080	2441.5880	---	---
		2480	1.1847	2479.4043	2480.5890	---	---
3DH1	Ant1	2402	1.1643	2401.4205	2402.5848	---	---
		2441	1.1650	2440.4188	2441.5838	---	---
		2480	1.1677	2479.4160	2480.5837	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



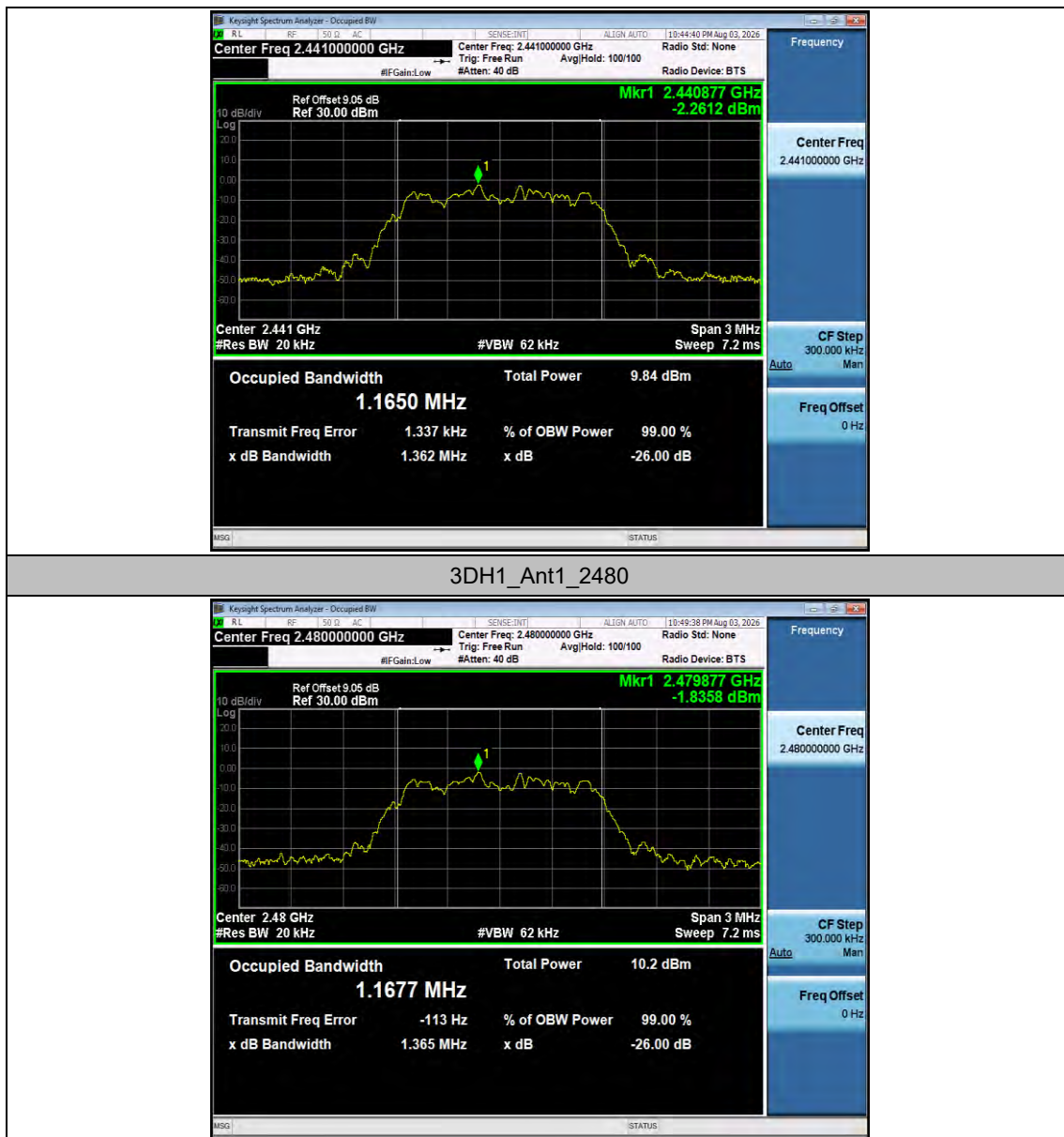
2DH1_Ant1_2480



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	6.76	≤ 20.97	PASS
		2441	8.71	≤ 20.97	PASS
		2480	8.95	≤ 20.97	PASS
2DH1	Ant1	2402	6.75	≤ 20.97	PASS
		2441	8.73	≤ 20.97	PASS
		2480	8.83	≤ 20.97	PASS
3DH1	Ant1	2402	7.06	≤ 20.97	PASS
		2441	8.82	≤ 20.97	PASS
		2480	8.87	≤ 20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.344	≥ 0.692	PASS
		Hop_2441	1.006	≥ 0.692	PASS
		Hop_2480	1.006	≥ 0.692	PASS
2DH1	Ant1	Hop_2402	0.994	≥ 0.902	PASS
		Hop_2441	1.012	≥ 0.902	PASS
		Hop_2480	0.996	≥ 0.902	PASS
3DH1	Ant1	Hop_2402	0.966	≥ 0.866	PASS
		Hop_2441	1.012	≥ 0.866	PASS
		Hop_2480	0.988	≥ 0.866	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



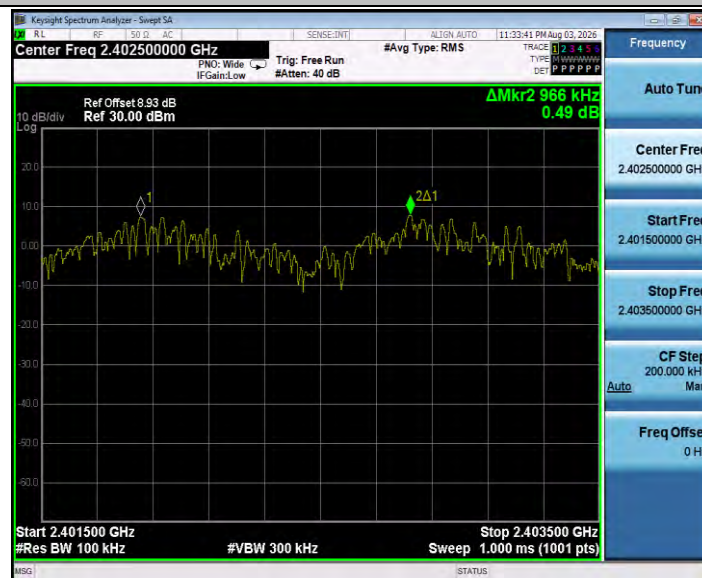
2DH1_Ant1_Hop_2441



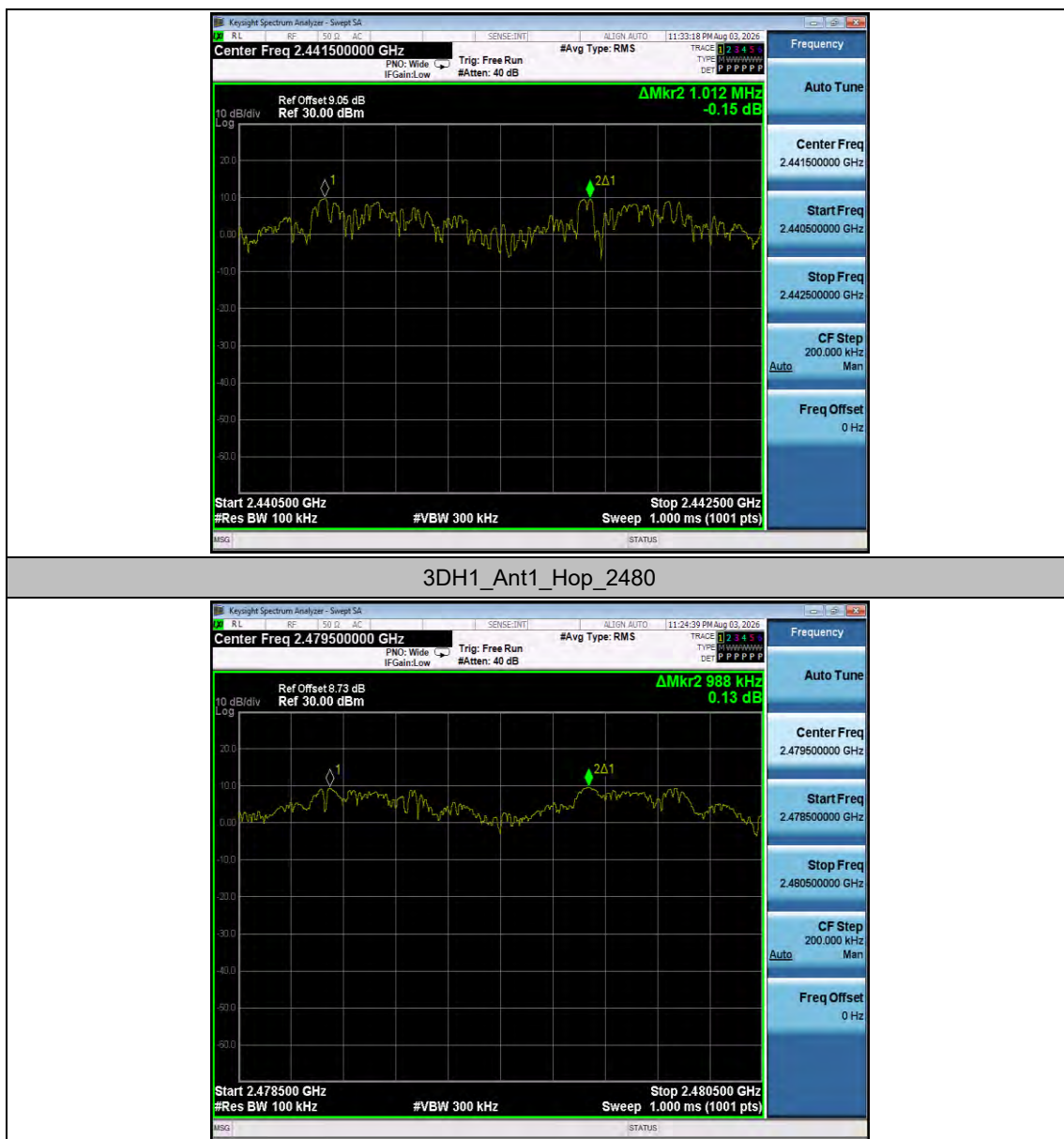
2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441

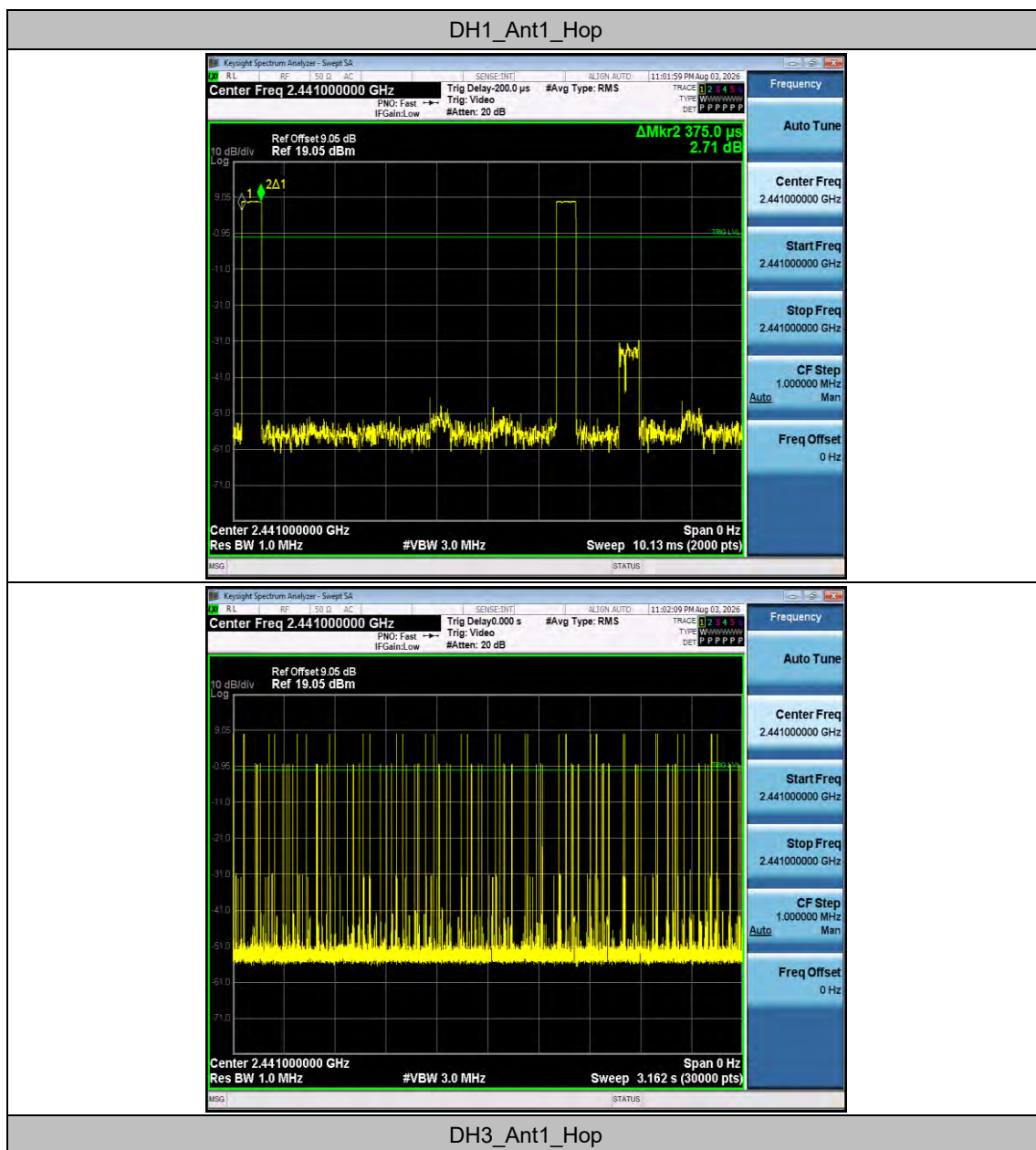


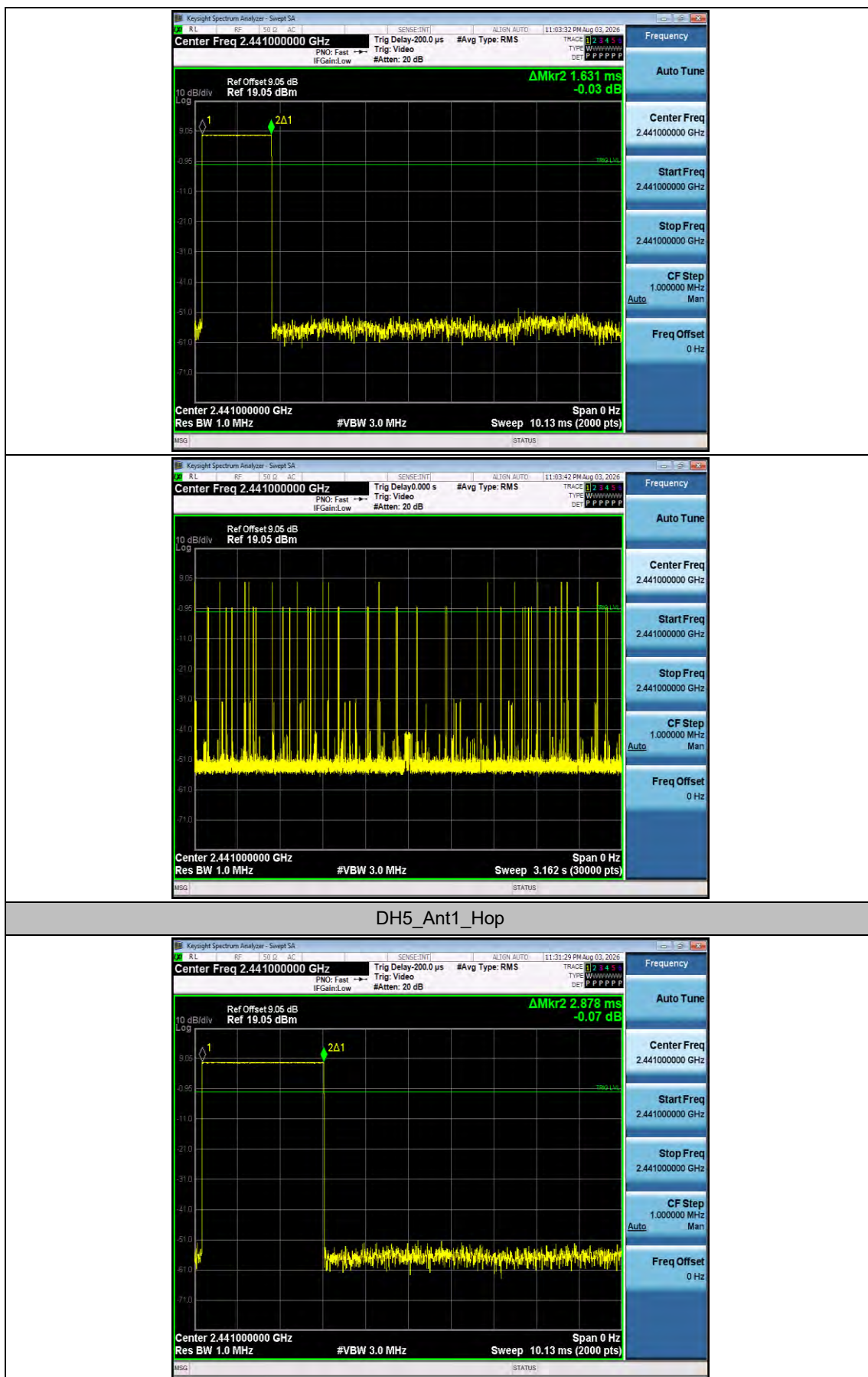
AppendixA.5: Time of occupancy

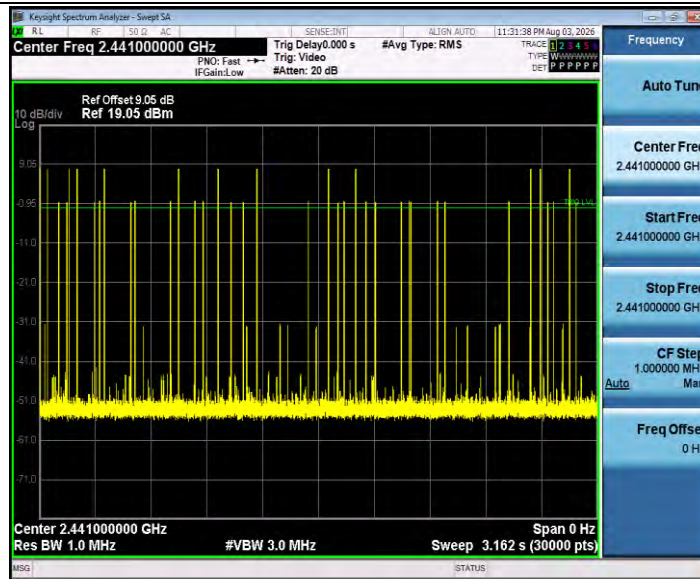
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.375	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.631	150	0.245	≤0.4	PASS
DH5	Ant1	Hop	2.878	130	0.374	≤0.4	PASS
2DH1	Ant1	Hop	0.380	330	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.637	180	0.295	≤0.4	PASS
2DH5	Ant1	Hop	2.883	130	0.375	≤0.4	PASS
3DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.637	150	0.246	≤0.4	PASS
3DH5	Ant1	Hop	2.888	80	0.231	≤0.4	PASS

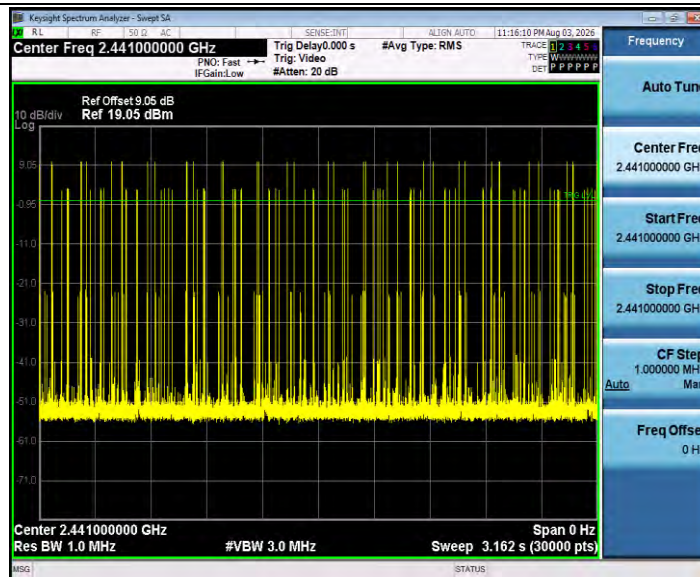
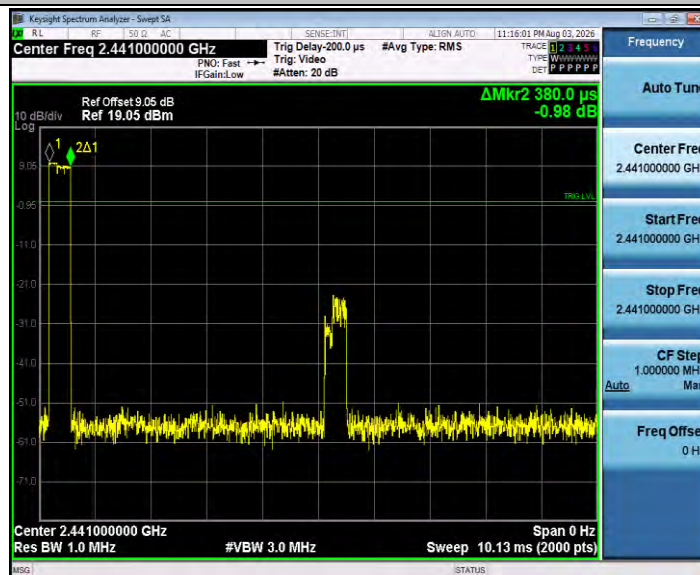
Test Graphs



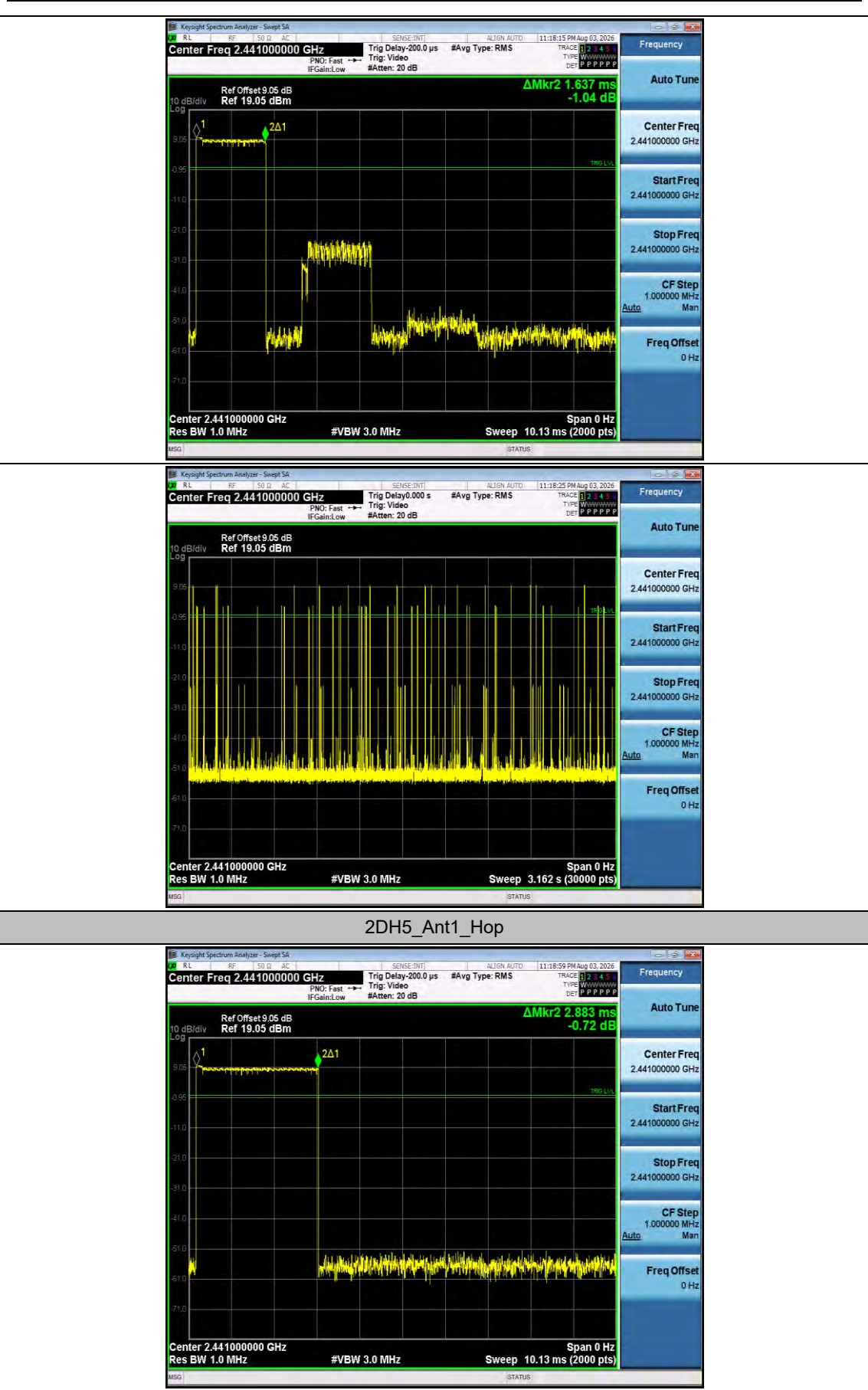


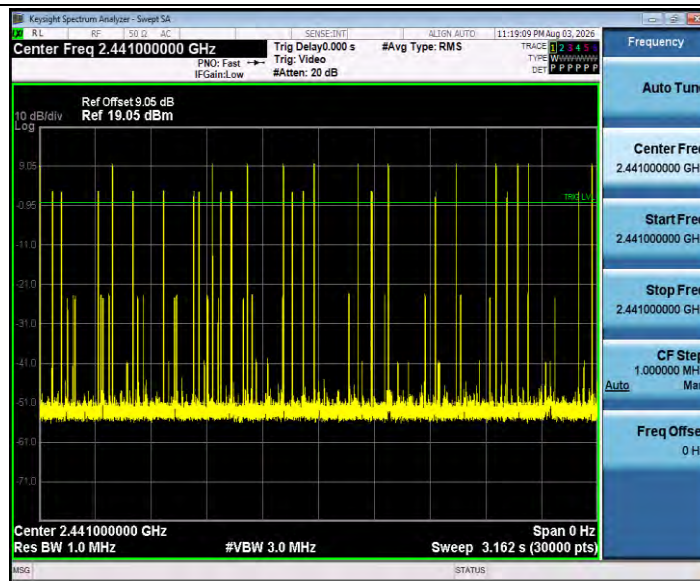


2DH1_Ant1_Hop

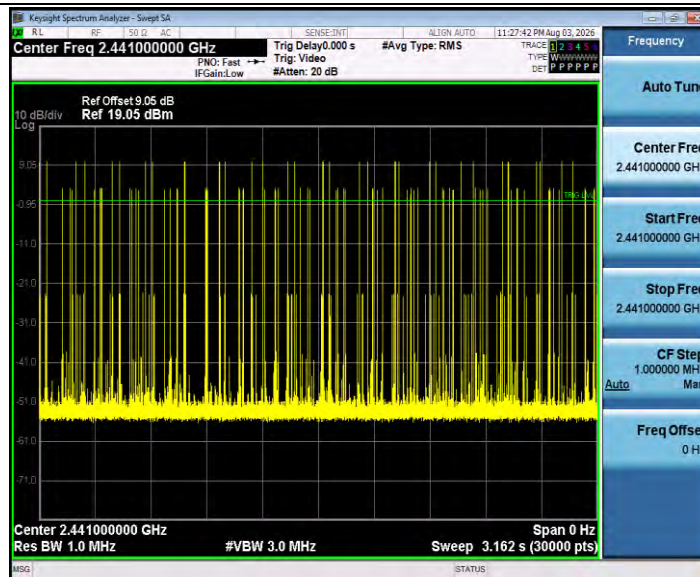
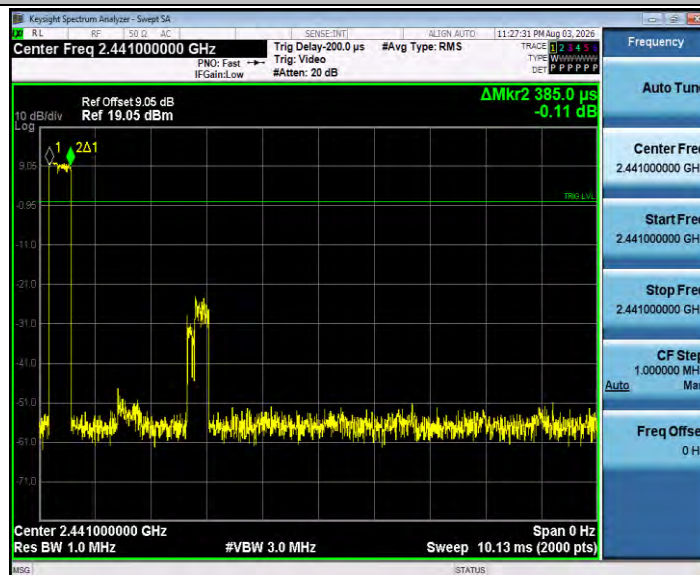


2DH3_Ant1_Hop

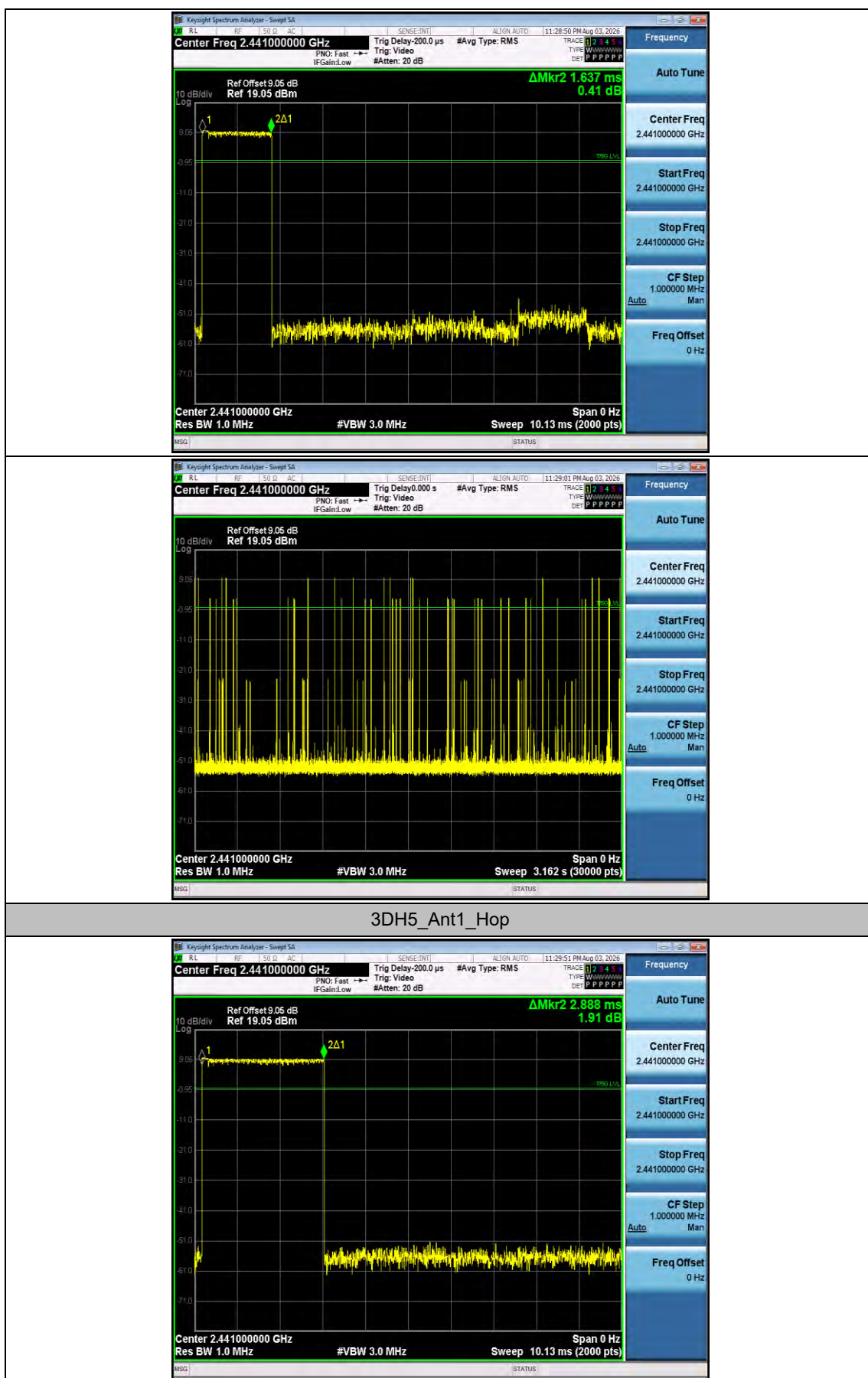




3DH1_Ant1_Hop



3DH3_Ant1_Hop



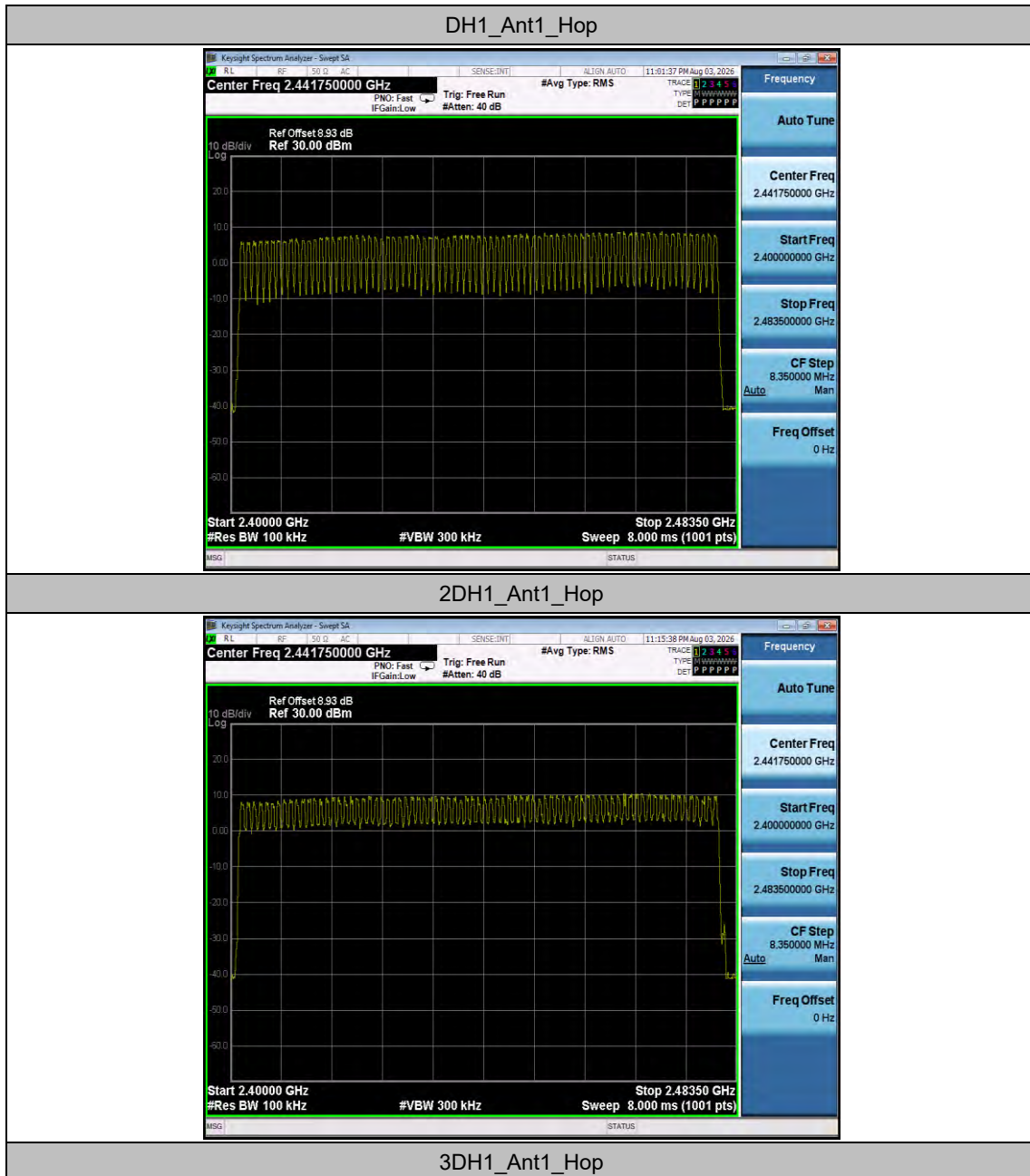


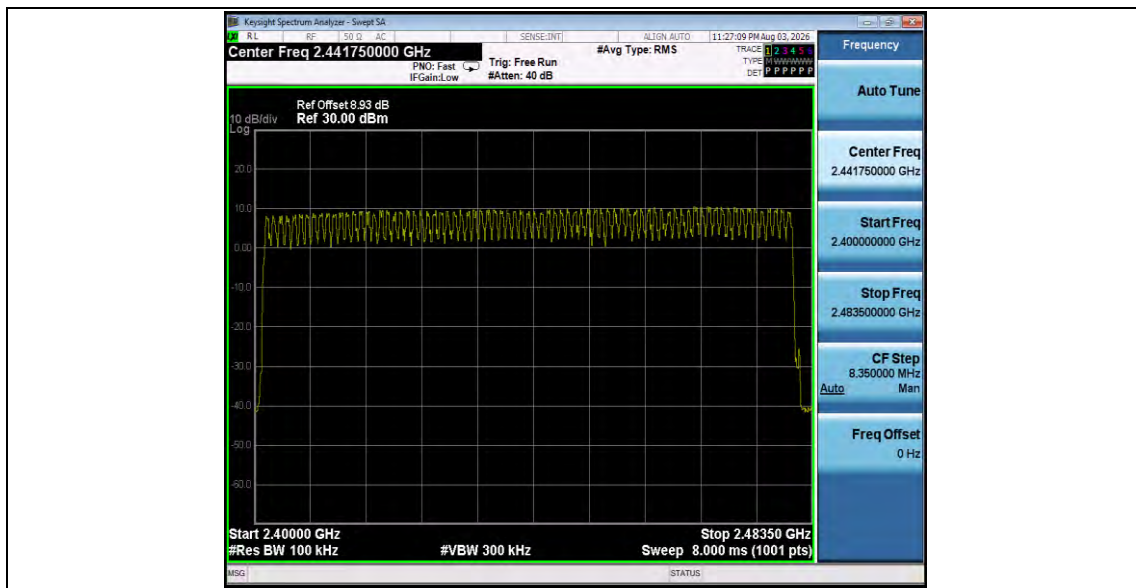
AppendixA.6: Number of hopping channels

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





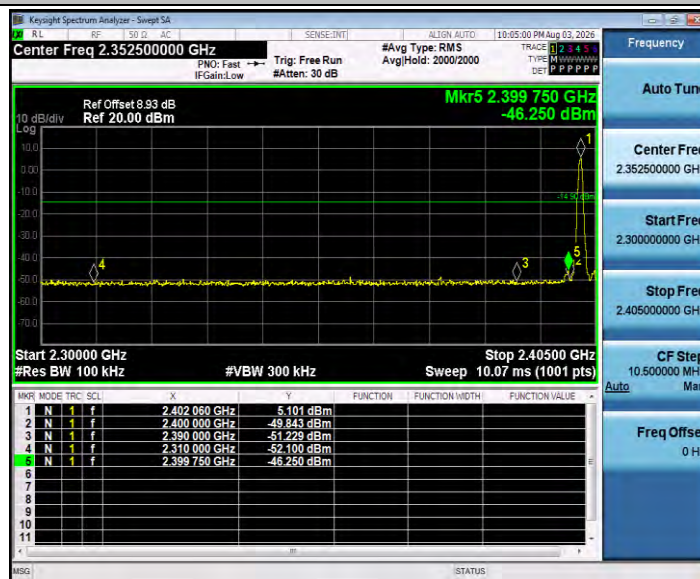
Appendix A.7: Band edge measurements

Test Result

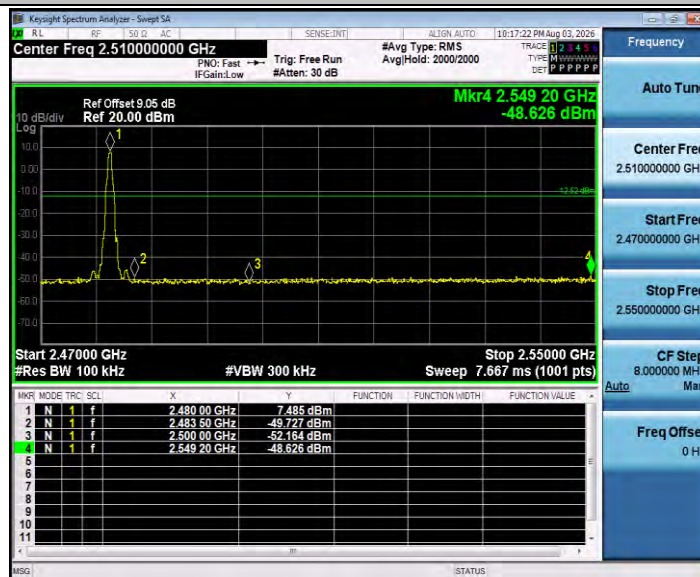
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	5.10	-46.25	≤-14.9	PASS
		High	2480	7.49	-48.63	≤-12.52	PASS
		Low	Hop_2402	6.09	-49.43	≤-13.92	PASS
		High	Hop_2480	8.46	-46.79	≤-11.54	PASS
2DH1	Ant1	Low	2402	0.86	-48.63	≤-19.14	PASS
		High	2480	3.45	-47.2	≤-16.55	PASS
		Low	Hop_2402	7.93	-48.25	≤-12.07	PASS
		High	Hop_2480	10.19	-47.02	≤-9.81	PASS
3DH1	Ant1	Low	2402	1.12	-47.22	≤-18.88	PASS
		High	2480	3.67	-48.23	≤-16.33	PASS
		Low	Hop_2402	7.33	-49.33	≤-12.67	PASS
		High	Hop_2480	9.81	-48.34	≤-10.19	PASS

Test Graphs

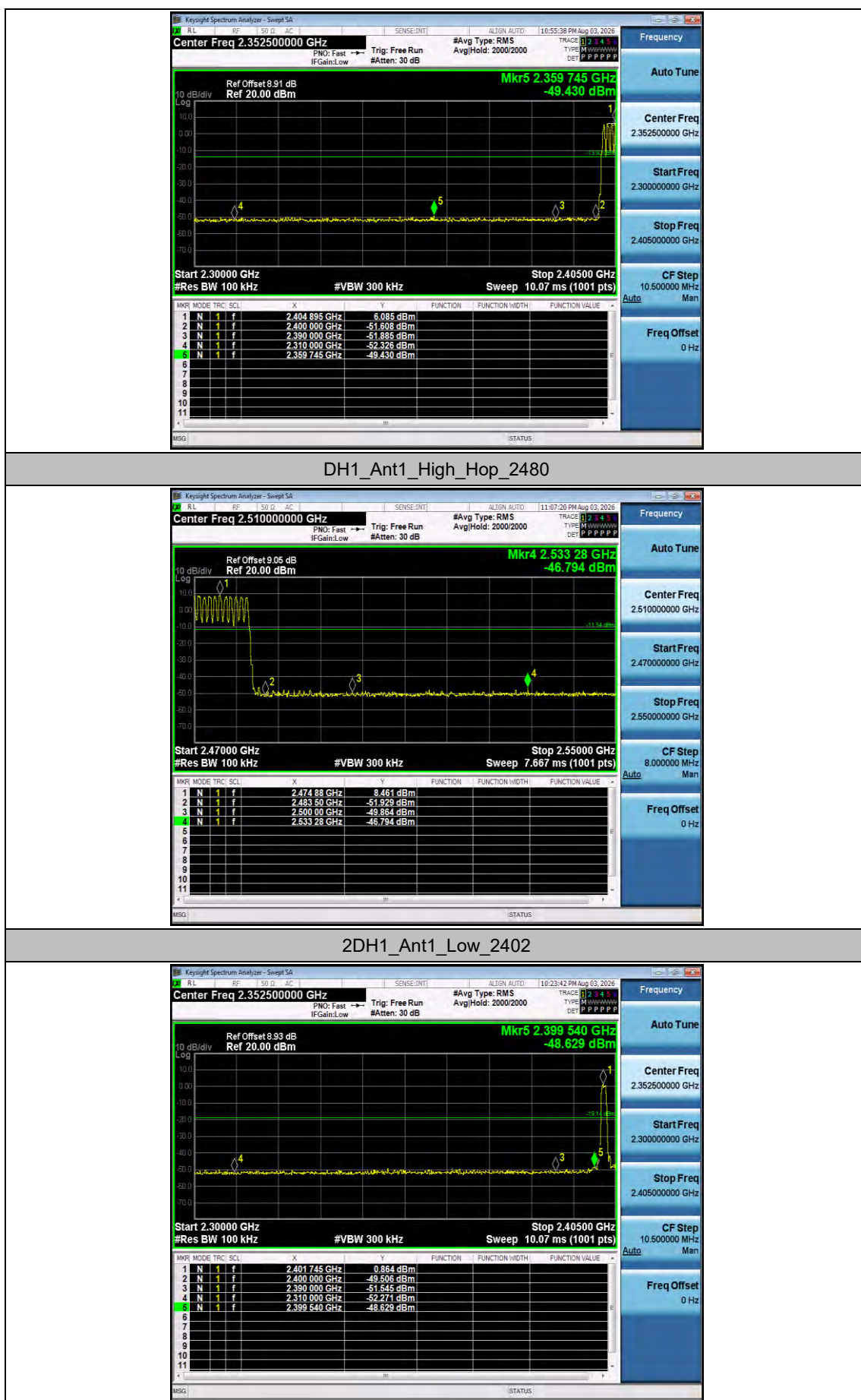
DH1_Ant1_Low_2402



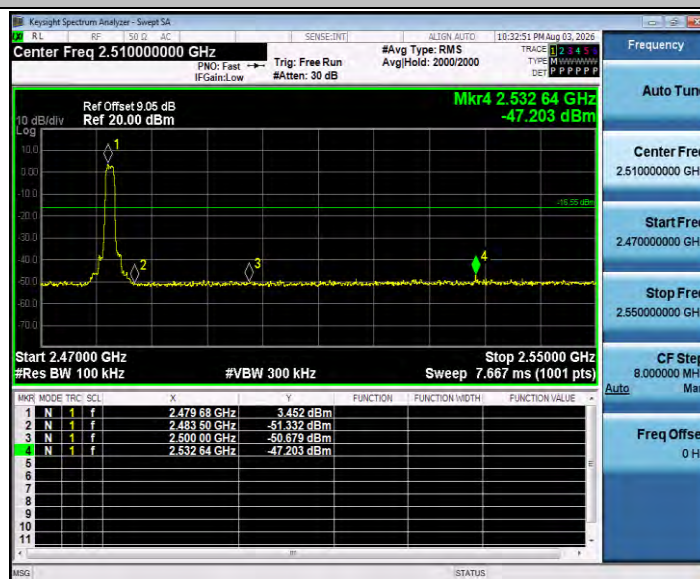
DH1_Ant1_High_2480



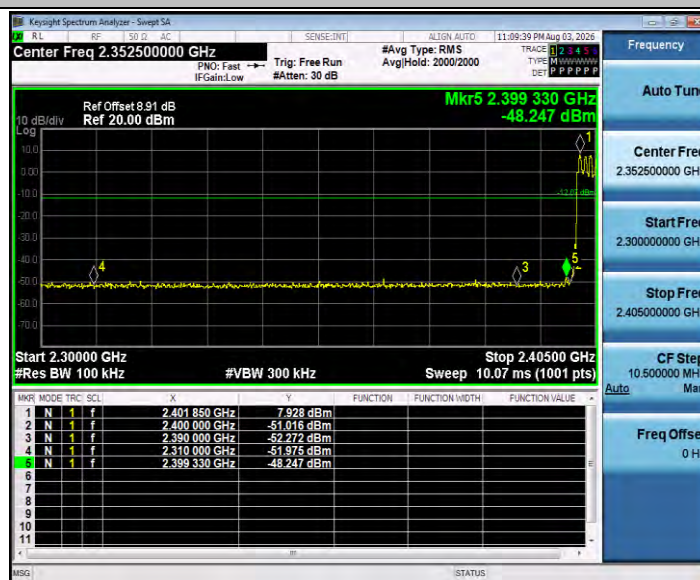
DH1_Ant1_Low_Hop_2402



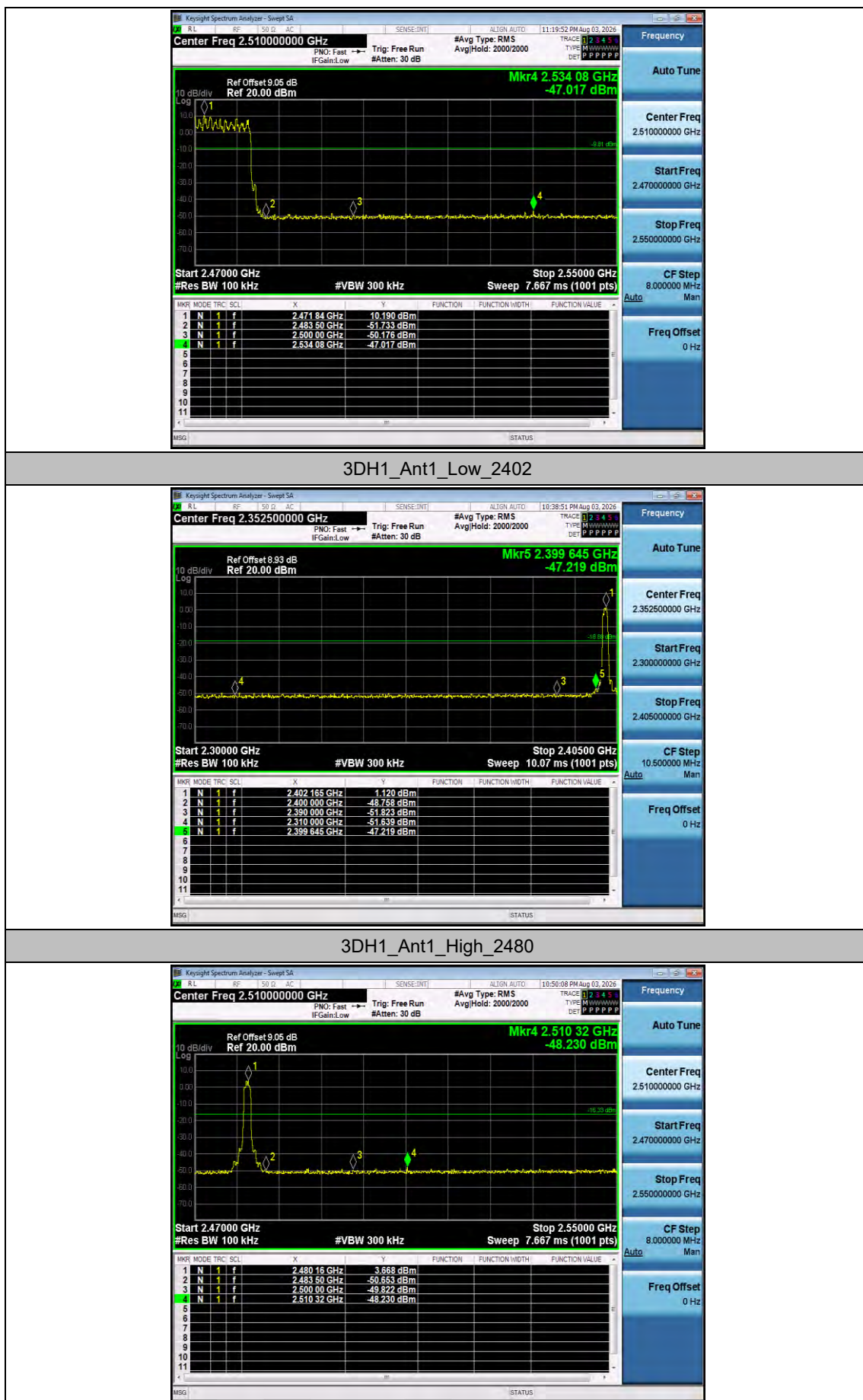
2DH1_Ant1_High_2480



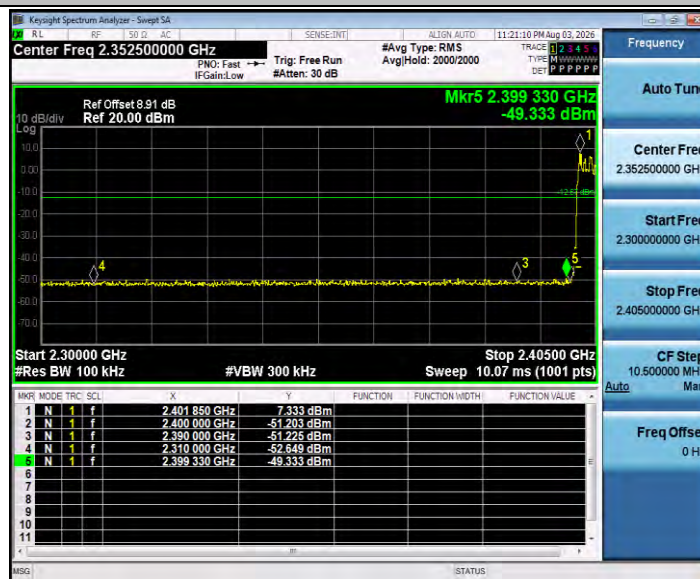
2DH1_Ant1_Low_Hop_2402



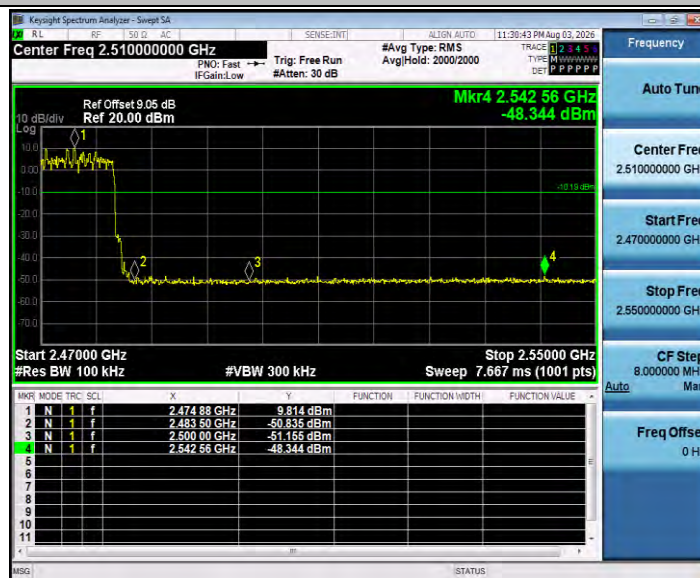
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

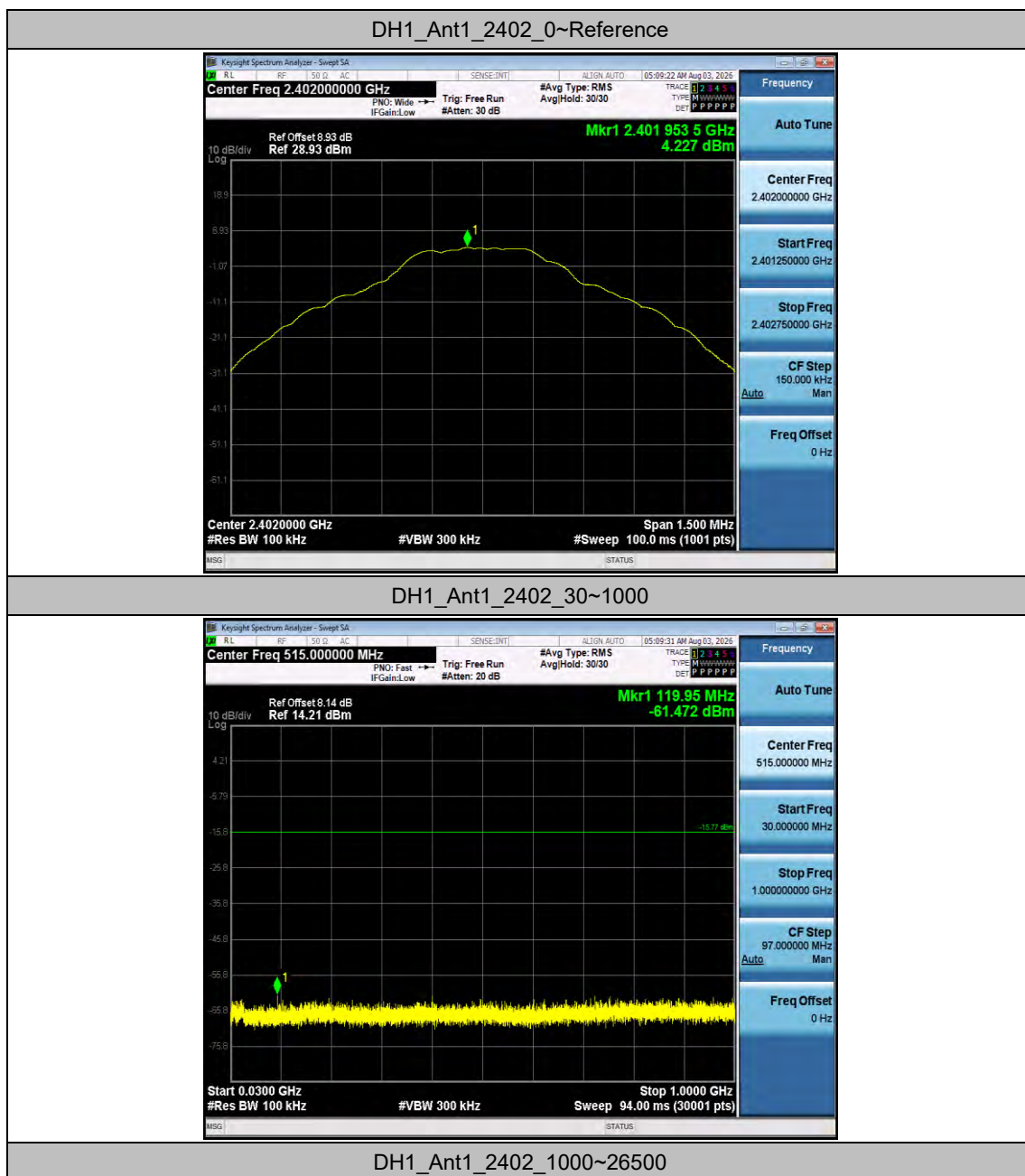


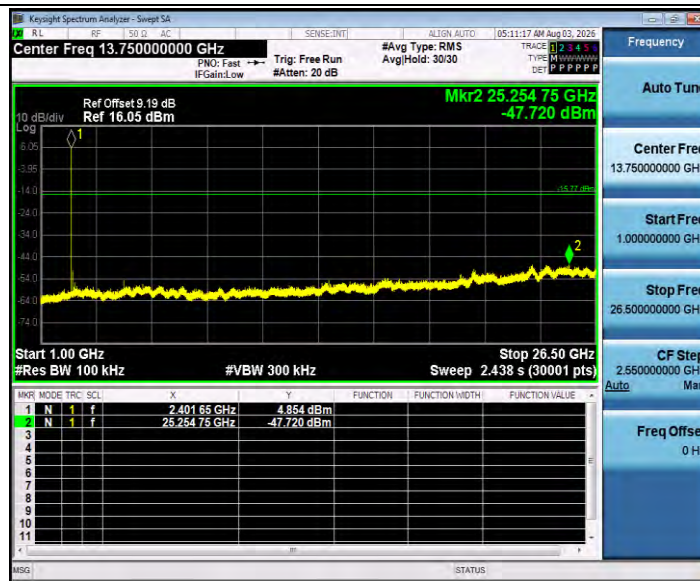
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	4.23	4.23	---	PASS
			30~1000	4.23	-61.47	≤-15.77	PASS
			1000~26500	4.23	-47.72	≤-15.77	PASS
		2441	Reference	6.73	6.73	---	PASS
			30~1000	6.73	-60.68	≤-13.27	PASS
			1000~26500	6.73	-47.75	≤-13.27	PASS
		2480	Reference	7.02	7.02	---	PASS
			30~1000	7.02	-59.34	≤-12.98	PASS
			1000~26500	7.02	-46.51	≤-12.98	PASS
2DH1	Ant1	2402	Reference	0.66	0.66	---	PASS
			30~1000	0.66	-60.63	≤-19.34	PASS
			1000~26500	0.66	-47.81	≤-19.34	PASS
		2441	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-59.88	≤-17.2	PASS
			1000~26500	2.80	-47.86	≤-17.2	PASS
		2480	Reference	3.24	3.24	---	PASS
			30~1000	3.24	-60.26	≤-16.76	PASS
			1000~26500	3.24	-48.41	≤-16.76	PASS
3DH1	Ant1	2402	Reference	0.66	0.66	---	PASS
			30~1000	0.66	-60.8	≤-19.34	PASS
			1000~26500	0.66	-47.95	≤-19.34	PASS
		2441	Reference	2.75	2.75	---	PASS
			30~1000	2.75	-60.06	≤-17.25	PASS
			1000~26500	2.75	-47.48	≤-17.25	PASS
		2480	Reference	3.19	3.19	---	PASS
			30~1000	3.19	-60.26	≤-16.81	PASS
			1000~26500	3.19	-47.51	≤-16.81	PASS

Test Graphs





DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



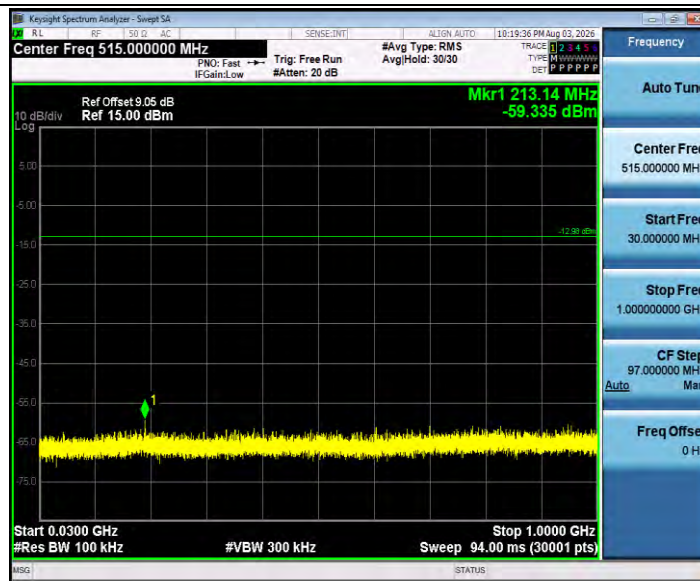
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

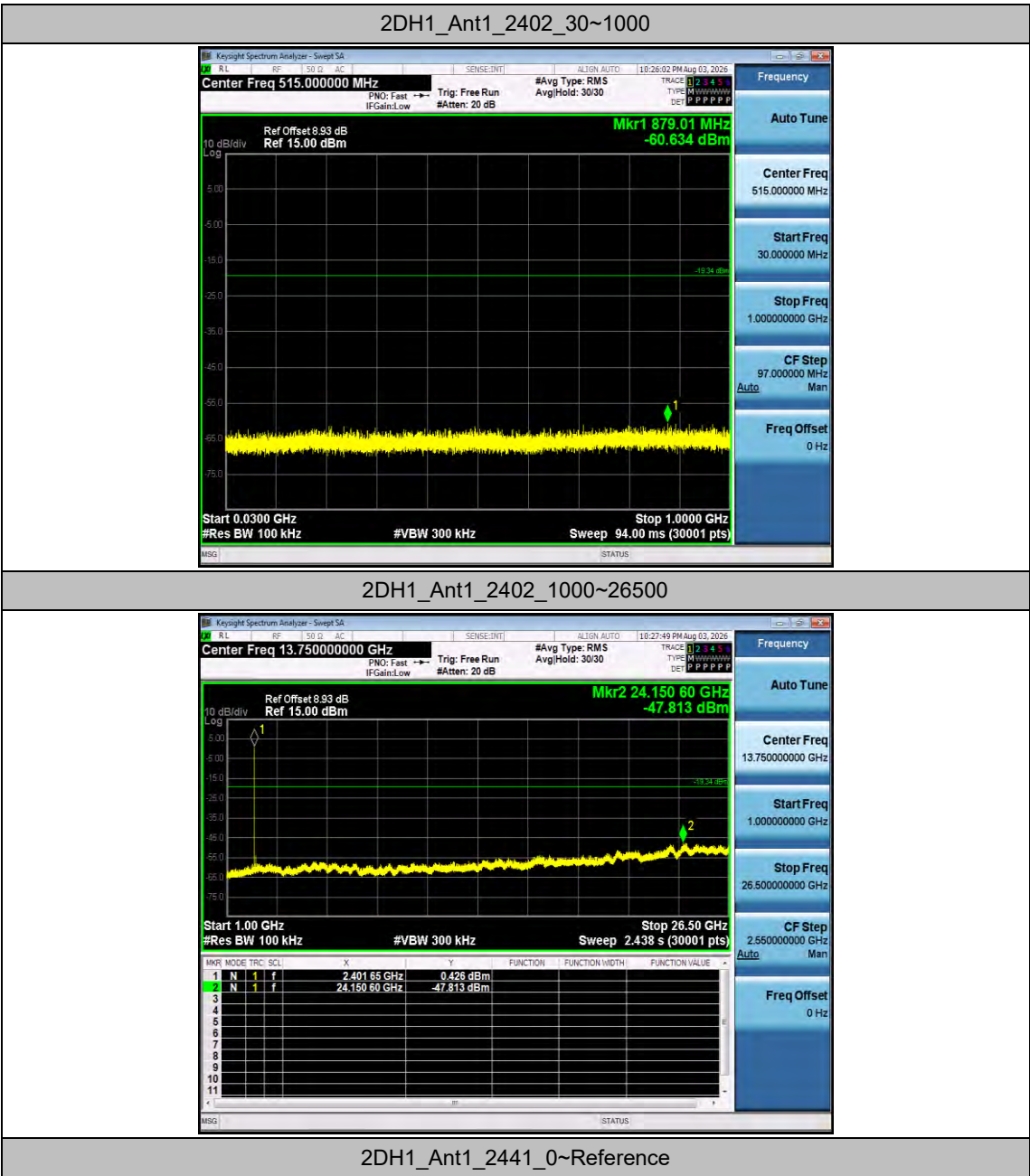


DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



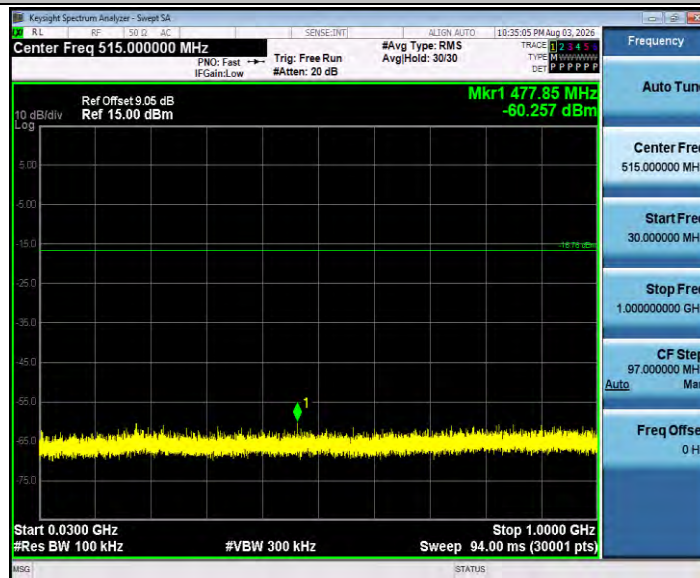
2DH1_Ant1_2441_1000~26500



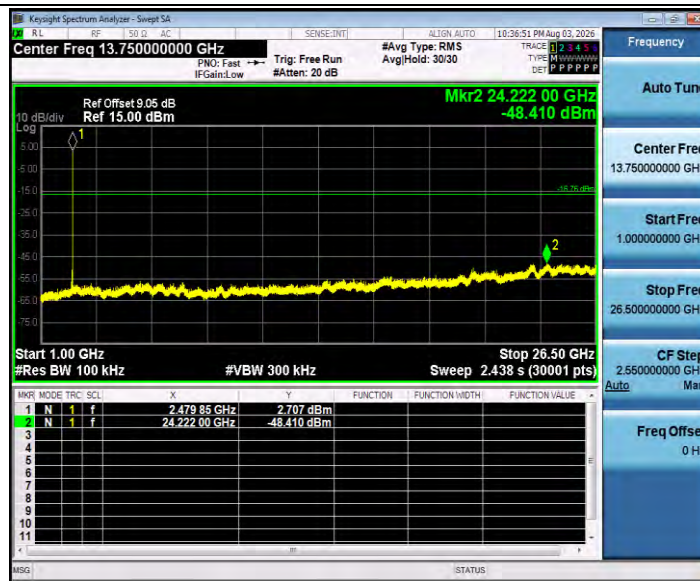
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



2DH1_Ant1_2480_1000~26500



3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



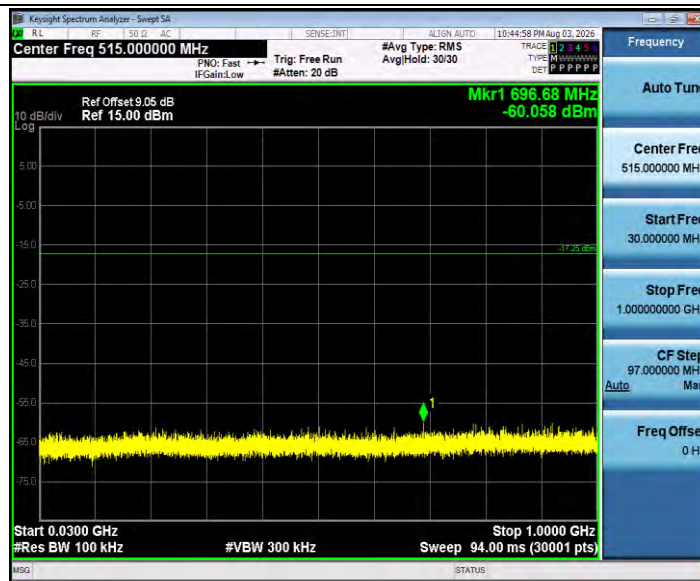
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

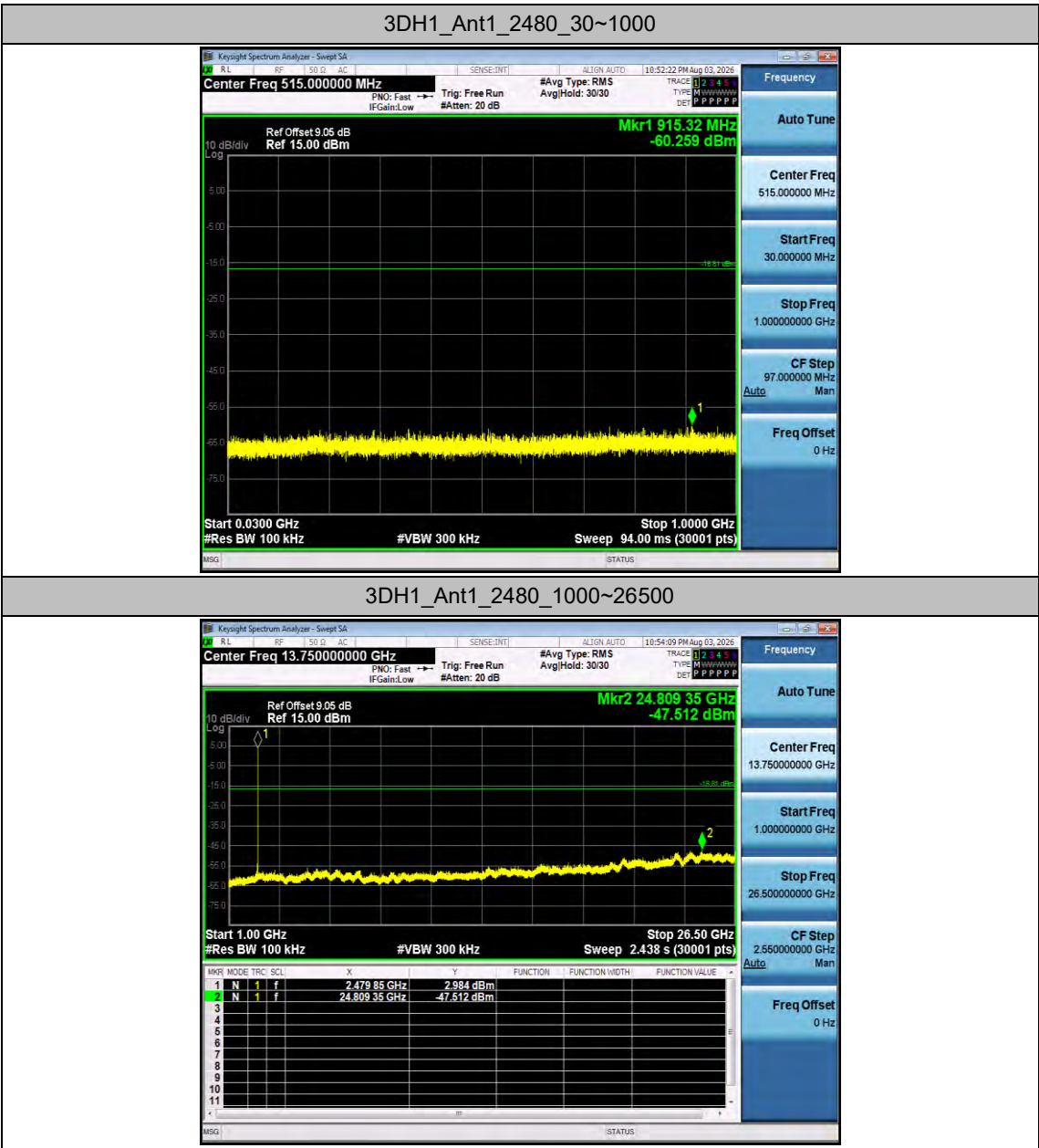


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

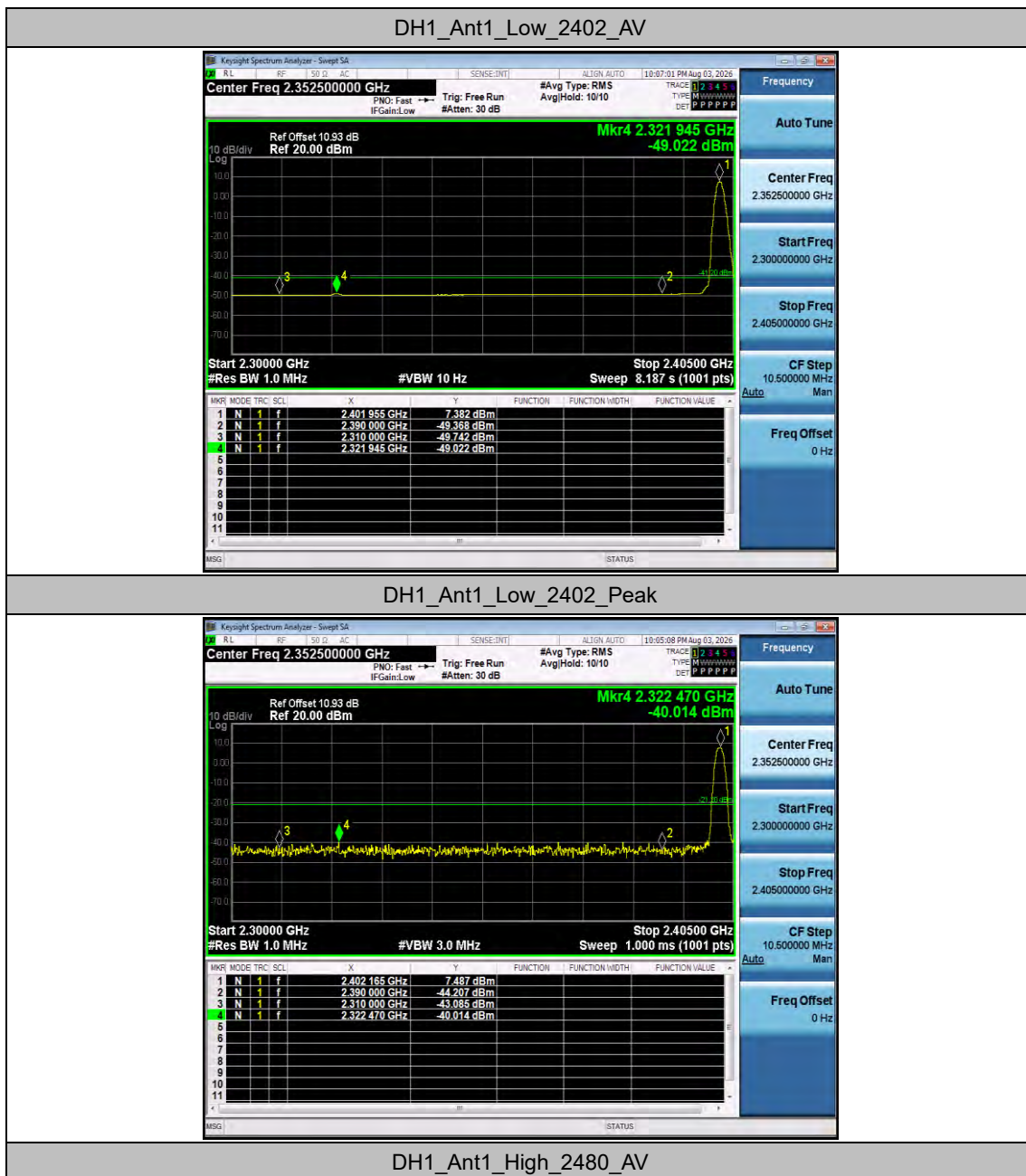
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.74	≤-41.20	45.46	≤54	PASS
				AV	2321.945	-49.02	≤-41.20	46.18	≤54	PASS
				AV	2390.000	-49.37	≤-41.20	45.83	≤54	PASS
				Peak	2310.000	-43.09	≤-21.20	52.11	≤74	PASS
				Peak	2322.470	-40.01	≤-21.20	55.19	≤74	PASS
				Peak	2390.000	-44.21	≤-21.20	50.99	≤74	PASS
		High	2480	AV	2483.500	-46.5	≤-41.20	48.70	≤54	PASS
				AV	2483.520	-46.5	≤-41.20	48.70	≤54	PASS
				AV	2500.000	-48.73	≤-41.20	46.47	≤54	PASS
				Peak	2483.500	-43.33	≤-21.20	51.87	≤74	PASS
				Peak	2488.000	-39.99	≤-21.20	55.21	≤74	PASS
				Peak	2500.000	-42.11	≤-21.20	53.09	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.67	≤-41.20	45.53	≤54	PASS
				AV	2322.050	-49.29	≤-41.20	45.91	≤54	PASS
				AV	2390.000	-49.31	≤-41.20	45.89	≤54	PASS
				Peak	2310.000	-43.9	≤-21.20	51.30	≤74	PASS
				Peak	2385.365	-39.53	≤-21.20	55.67	≤74	PASS
				Peak	2390.000	-45.75	≤-21.20	49.45	≤74	PASS
		High	2480	AV	2483.500	-46.13	≤-41.20	49.07	≤54	PASS
				AV	2483.520	-46.13	≤-41.20	49.07	≤54	PASS
				AV	2500.000	-48.69	≤-41.20	46.51	≤54	PASS
				Peak	2483.500	-43.68	≤-21.20	51.52	≤74	PASS
				Peak	2483.680	-39.16	≤-21.20	56.04	≤74	PASS
				Peak	2500.000	-43.61	≤-21.20	51.59	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.65	≤-41.20	45.55	≤54	PASS
				AV	2322.155	-49.29	≤-41.20	45.91	≤54	PASS
				AV	2390.000	-49.3	≤-41.20	45.90	≤54	PASS
				Peak	2310.000	-43.16	≤-21.20	52.04	≤74	PASS
				Peak	2347.145	-39.92	≤-21.20	55.28	≤74	PASS
				Peak	2390.000	-44.77	≤-21.20	50.43	≤74	PASS
		High	2480	AV	2483.500	-46.08	≤-41.20	49.12	≤54	PASS
				AV	2483.520	-46.07	≤-41.20	49.13	≤54	PASS
				AV	2500.000	-48.7	≤-41.20	46.50	≤54	PASS
				Peak	2483.500	-41.75	≤-21.20	53.45	≤74	PASS
				Peak	2497.440	-38.66	≤-21.20	56.54	≤74	PASS

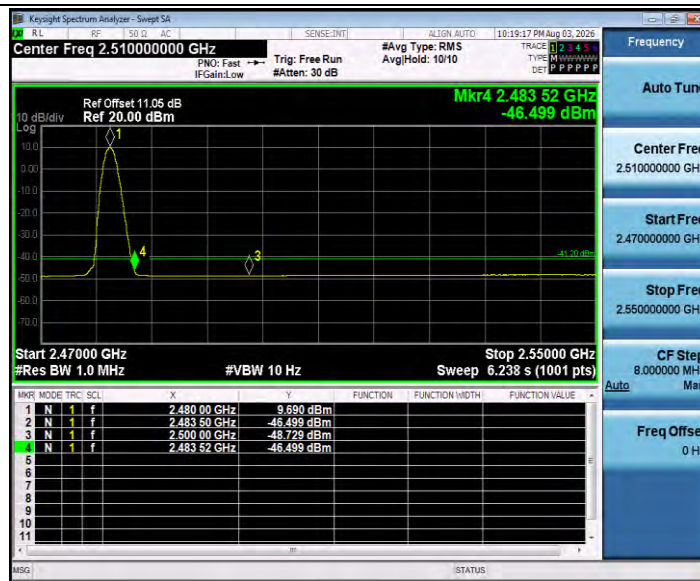
				Peak	2500.000	-42.26	≤-21.20	52.94	≤74	PASS
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Note:

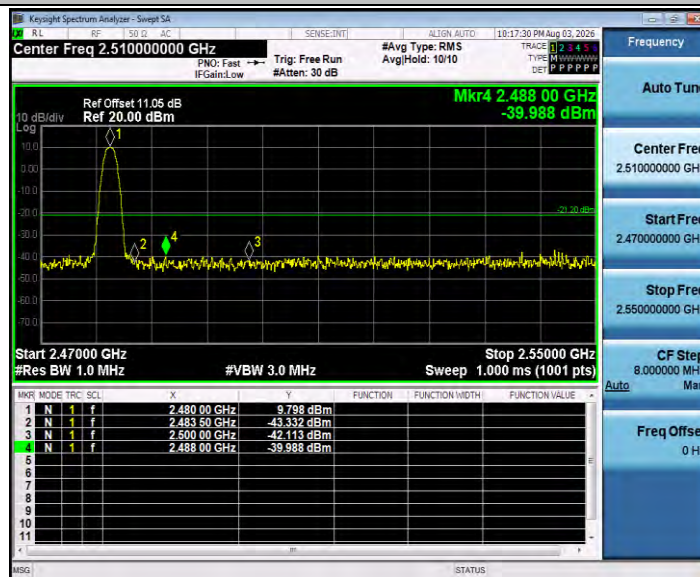
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

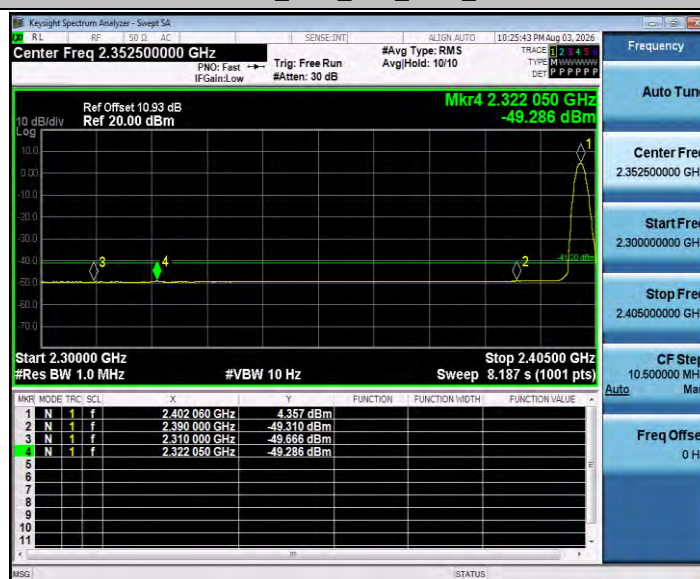




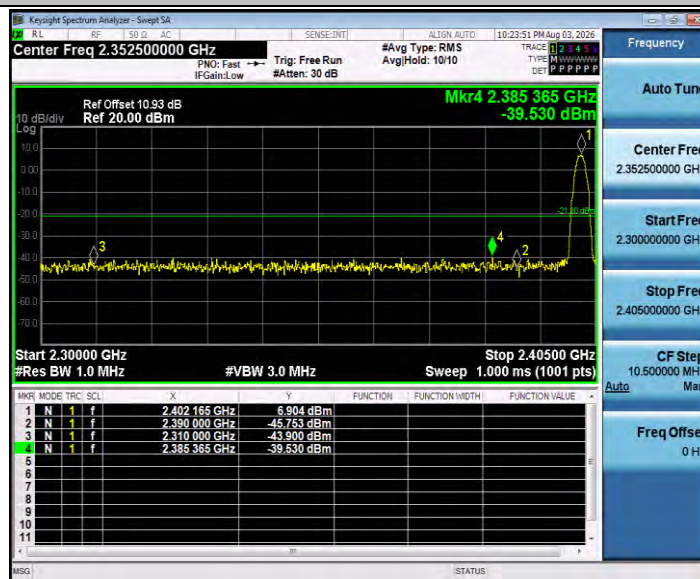
DH1_Ant1_High_2480_Peak



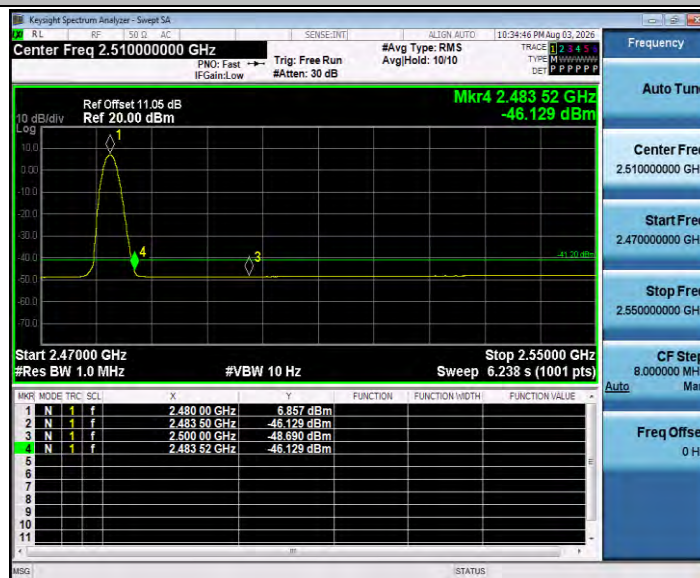
2DH1_Ant1_Low_2402_AV



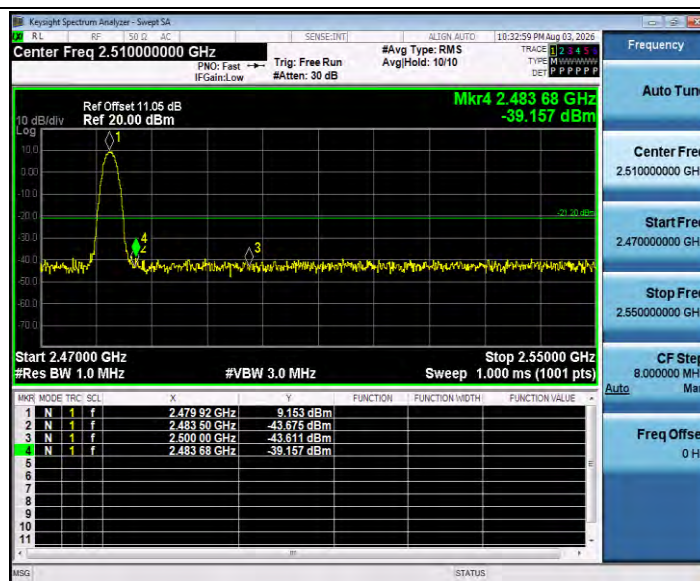
2DH1_Ant1_Low_2402_Peak



2DH1_Ant1_High_2480_AV



2DH1_Ant1_High_2480_Peak



3DH1_Ant1_Low_2402_AV



3DH1_Ant1_Low_2402_Peak

