

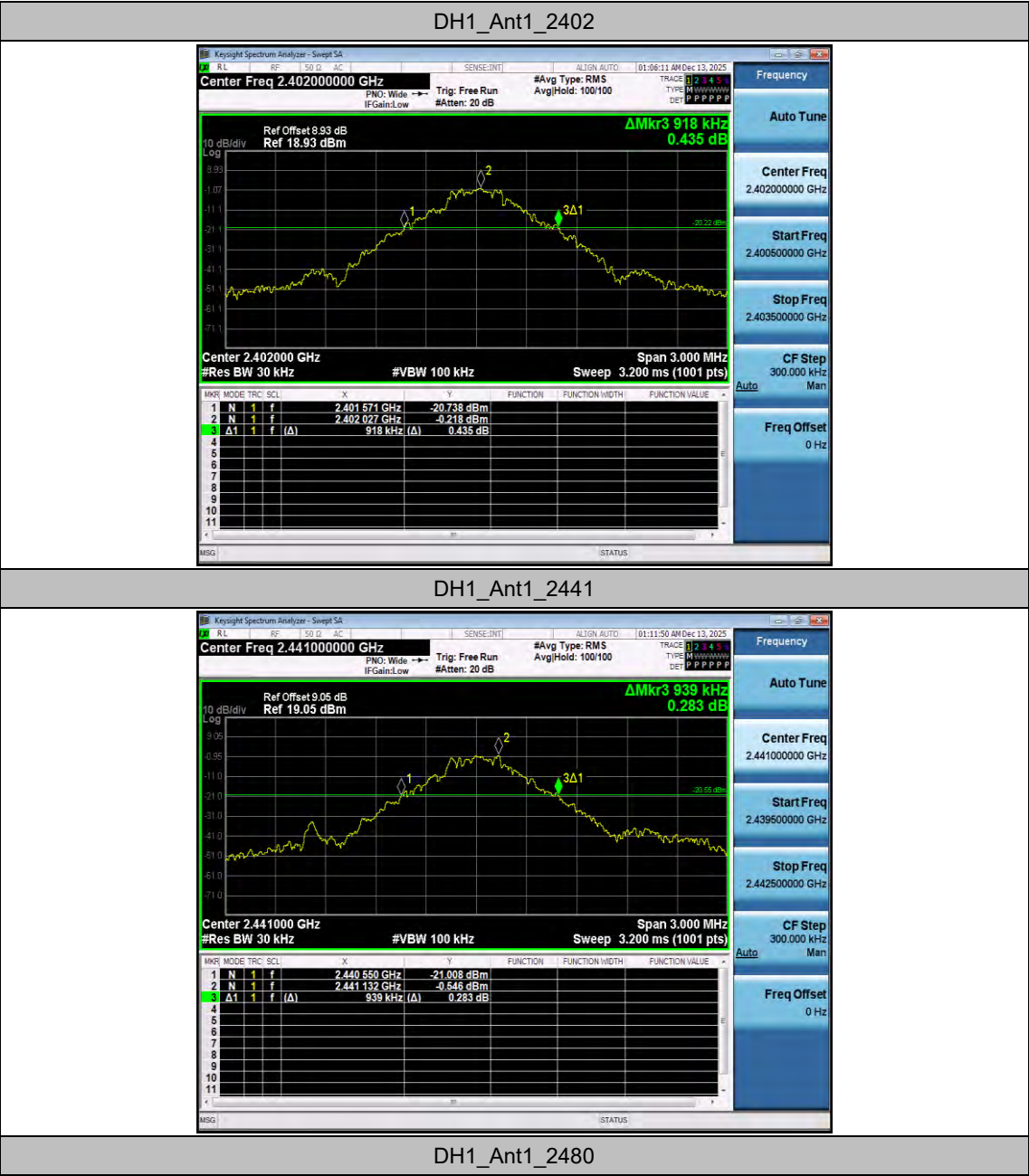
Case No. : <u>GTS20251202015-1-09</u>
Ambient Condition: <u>22</u> °C, <u>49</u> %RH
According Standard: ■Part15C
Test Date: <u>2025.12.5-2025.12.16</u> Test Engineer: <u>Evan ouyang</u>

AppendixA.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.918	2401.571	2402.489	---	---
		2441	0.939	2440.550	2441.489	---	---
		2480	0.936	2479.553	2480.489	---	---
2DH1	Ant1	2402	1.308	2401.349	2402.657	---	---
		2441	1.314	2440.352	2441.666	---	---
		2480	1.293	2479.364	2480.657	---	---
3DH1	Ant1	2402	1.278	2401.373	2402.651	---	---
		2441	1.299	2440.358	2441.657	---	---
		2480	1.284	2479.370	2480.654	---	---

Test Graphs





2DH1_Ant1_2402



2DH1_Ant1_2441



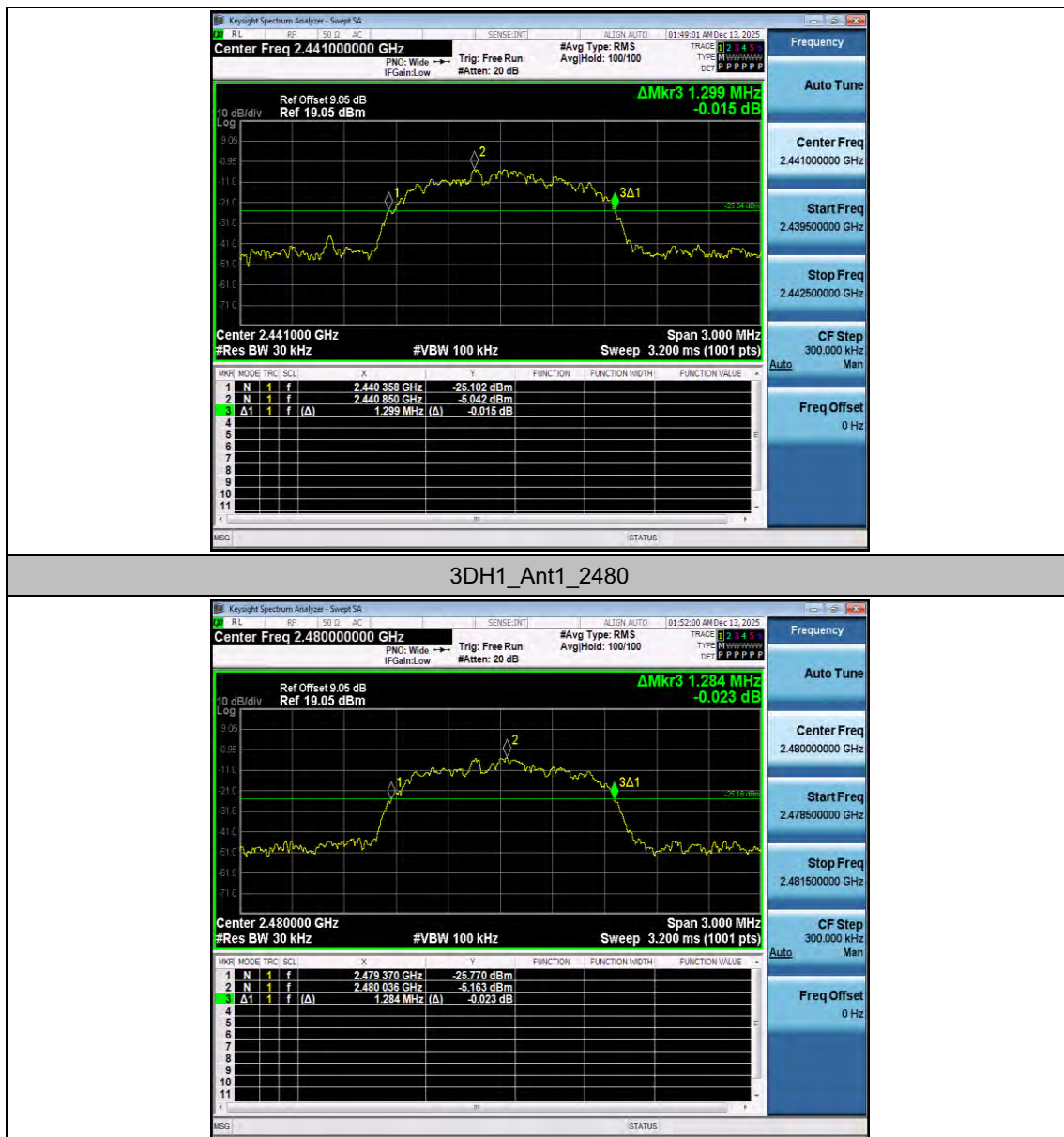
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441

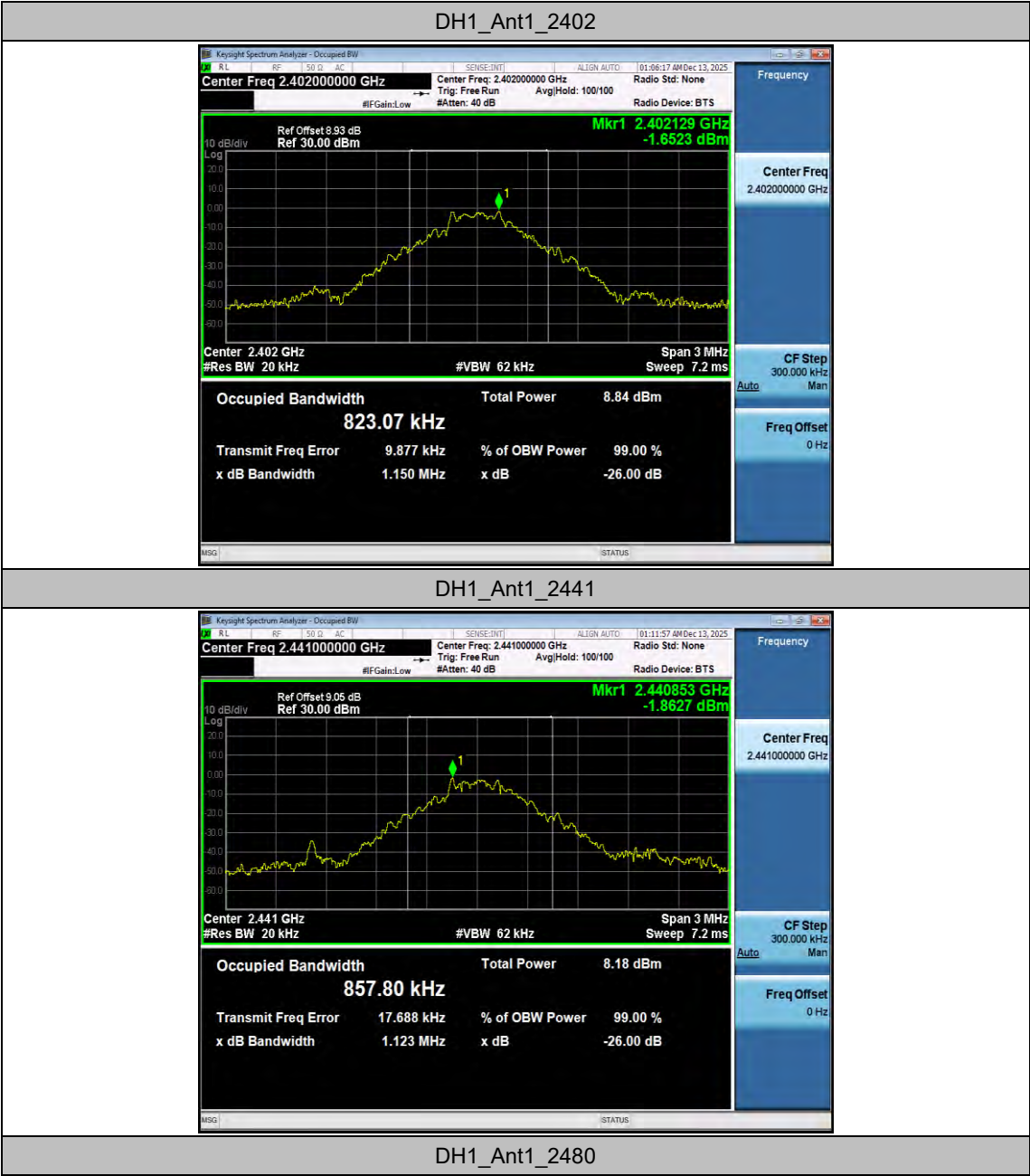


AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.82307	2401.5983	2402.4214	---	---
		2441	0.85780	2440.5888	2441.4466	---	---
		2480	0.84080	2479.5972	2480.4380	---	---
2DH1	Ant1	2402	1.1779	2401.4170	2402.5949	---	---
		2441	1.1826	2440.4165	2441.5991	---	---
		2480	1.1709	2479.4263	2480.5972	---	---
3DH1	Ant1	2402	1.1700	2401.4378	2402.6078	---	---
		2441	1.1627	2440.4429	2441.6056	---	---
		2480	1.1644	2479.4429	2480.6073	---	---

Test Graphs





2DHI_Ant1_2402



2DHI_Ant1_2441



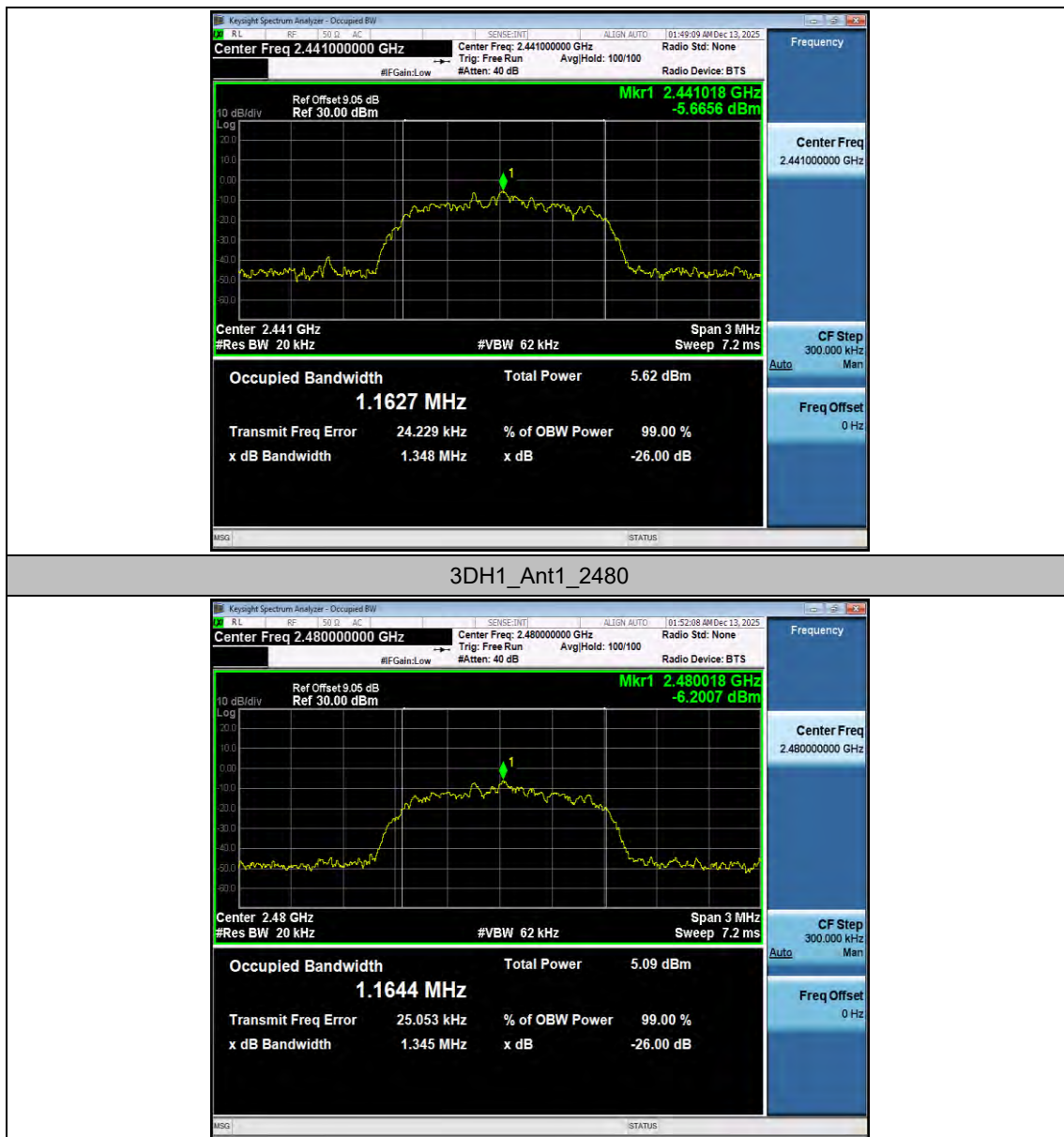
2DH1_Ant1_2480



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	3.87	≤20.97	PASS
		2441	3.56	≤20.97	PASS
		2480	3.14	≤20.97	PASS
2DH1	Ant1	2402	3.33	≤20.97	PASS
		2441	3.01	≤20.97	PASS
		2480	3.66	≤20.97	PASS
3DH1	Ant1	2402	3.63	≤20.97	PASS
		2441	3.25	≤20.97	PASS
		2480	3.87	≤20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	0.686	≥ 0.626	PASS
		Hop_2441	1.004	≥ 0.626	PASS
		Hop_2480	0.692	≥ 0.626	PASS
2DH1	Ant1	Hop_2402	1.16	≥ 0.876	PASS
		Hop_2441	1.026	≥ 0.876	PASS
		Hop_2480	0.98	≥ 0.876	PASS
3DH1	Ant1	Hop_2402	0.996	≥ 0.866	PASS
		Hop_2441	0.984	≥ 0.866	PASS
		Hop_2480	0.998	≥ 0.866	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441

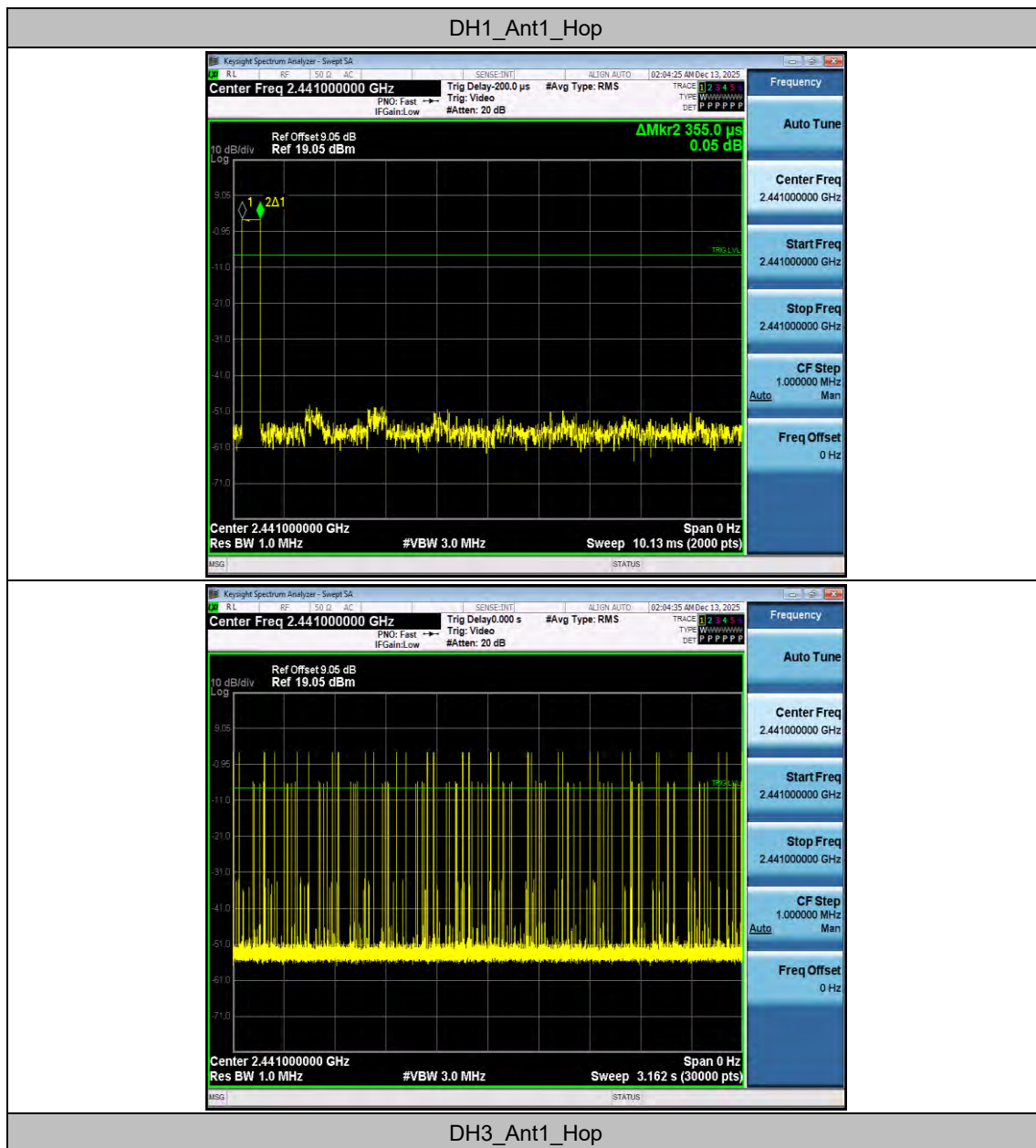


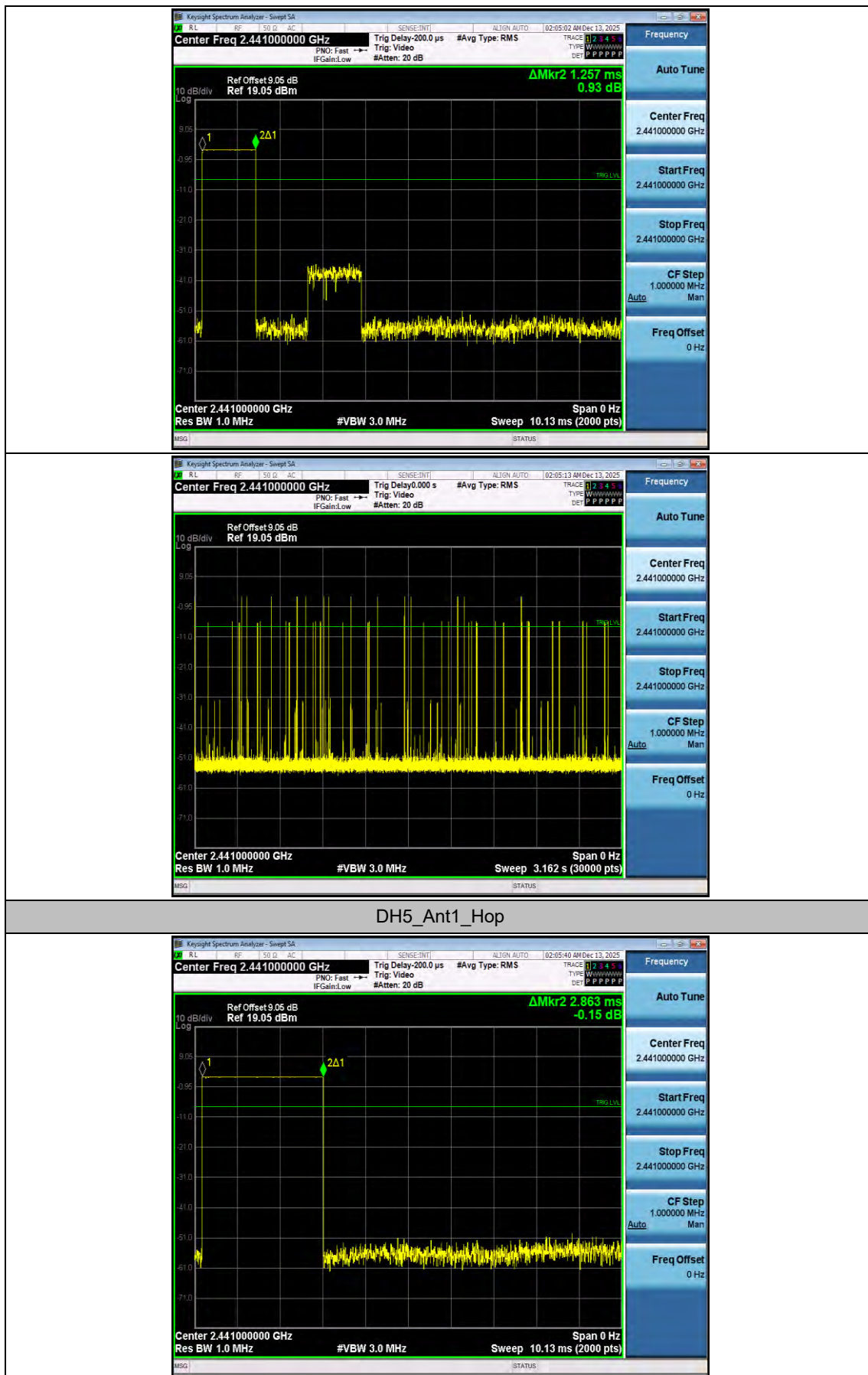
AppendixA.5: Time of occupancy

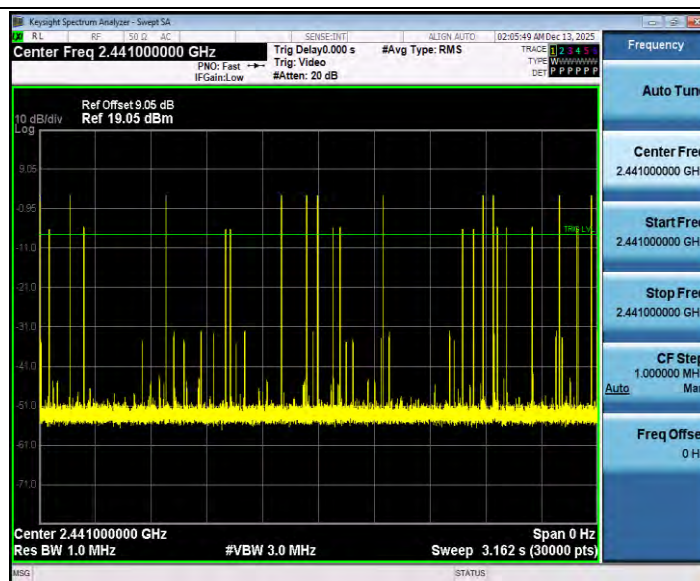
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.355	330	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.257	160	0.201	≤0.4	PASS
DH5	Ant1	Hop	2.863	110	0.315	≤0.4	PASS
2DH1	Ant1	Hop	0.360	330	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.251	150	0.188	≤0.4	PASS
2DH5	Ant1	Hop	2.863	90	0.258	≤0.4	PASS
3DH1	Ant1	Hop	0.360	330	0.119	≤0.4	PASS
3DH3	Ant1	Hop	1.257	170	0.214	≤0.4	PASS
3DH5	Ant1	Hop	2.863	90	0.258	≤0.4	PASS

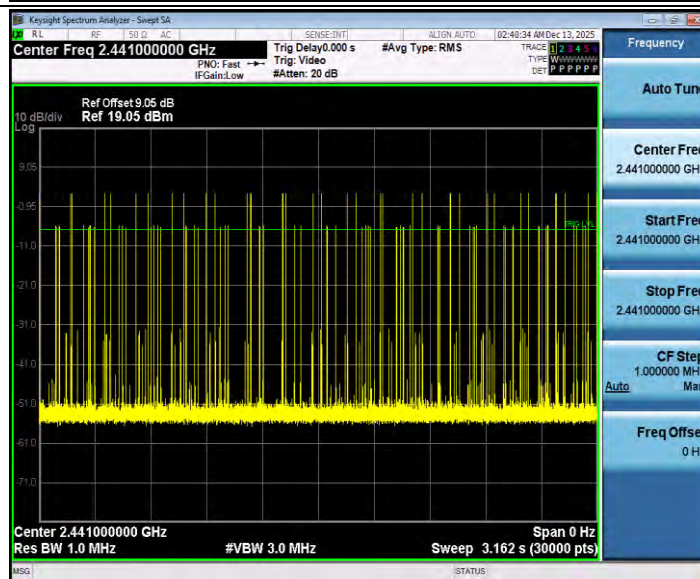
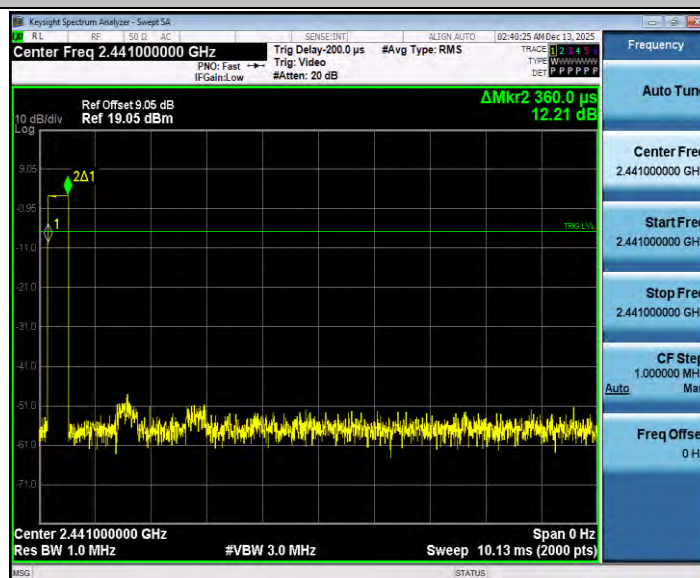
Test Graphs



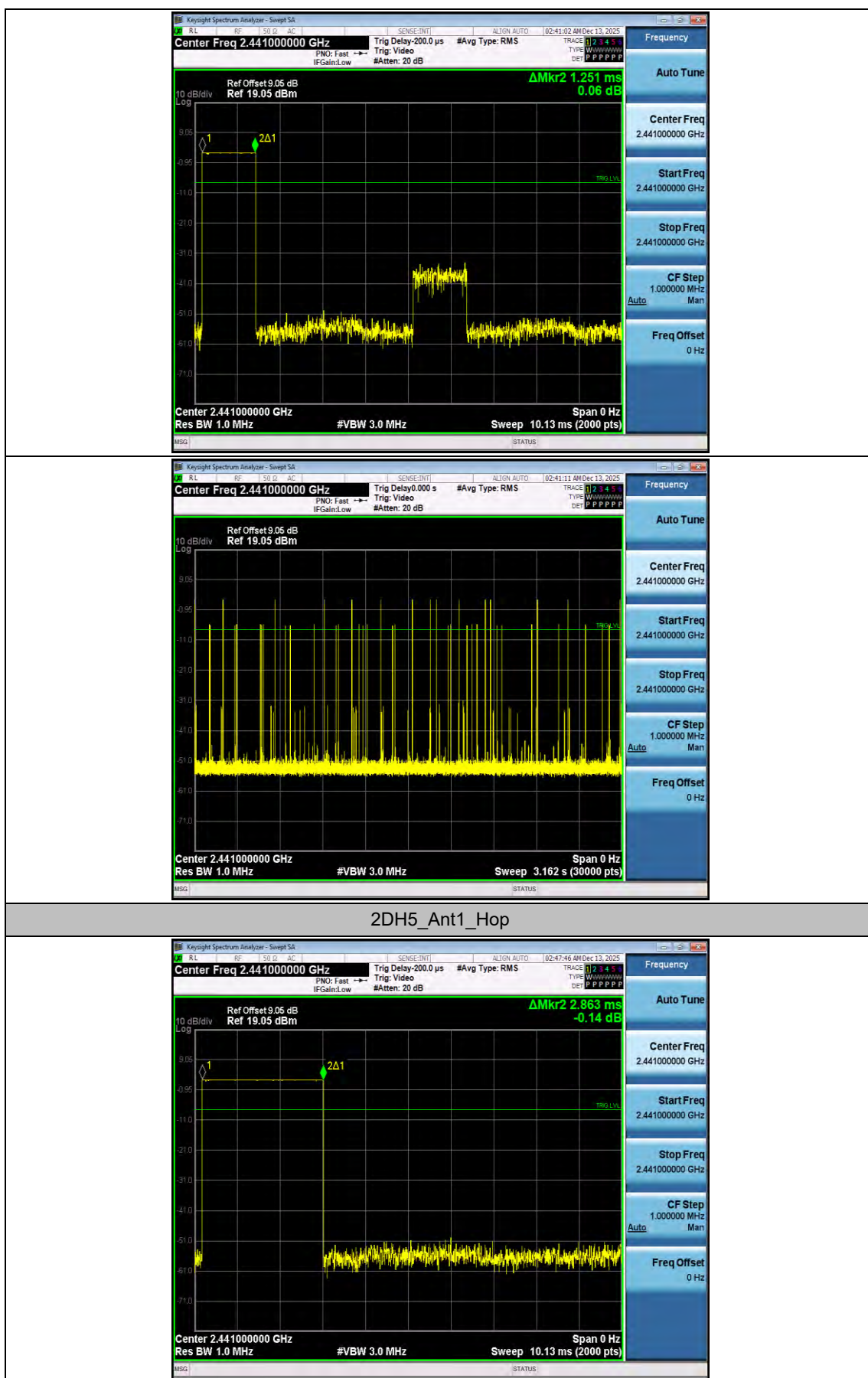


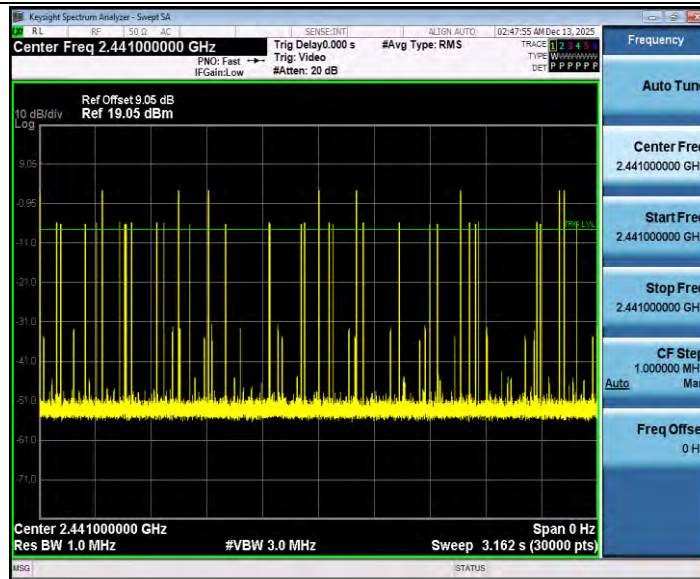


2DH1_Ant1_Hop

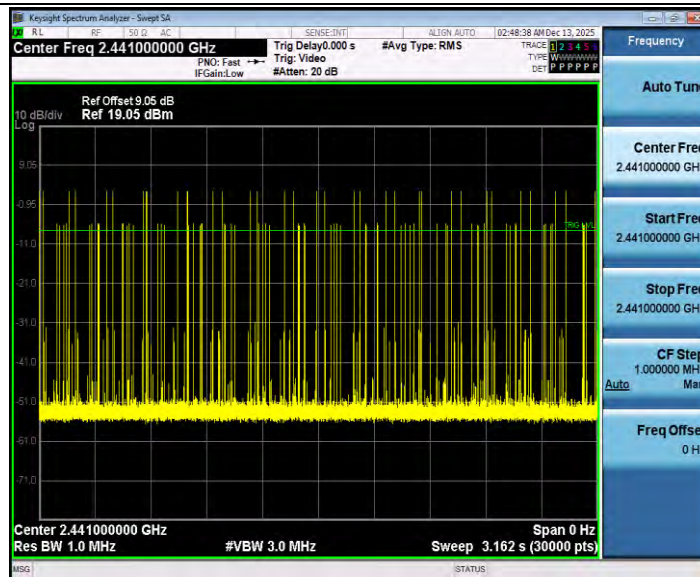
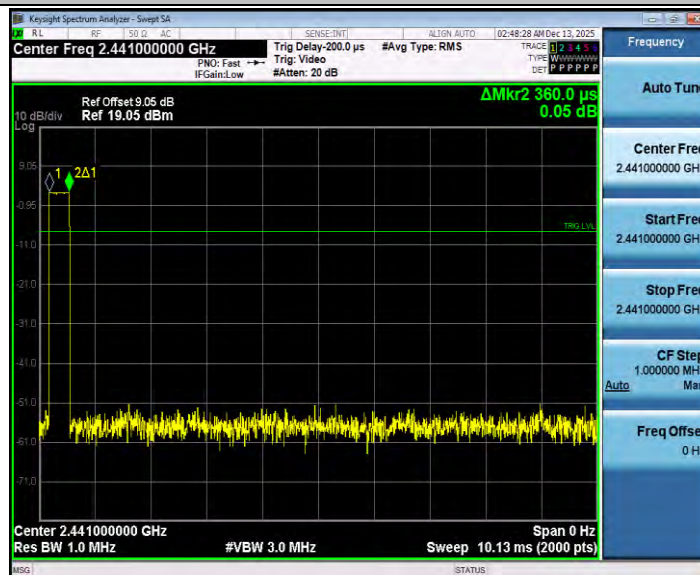


2DH3_Ant1_Hop

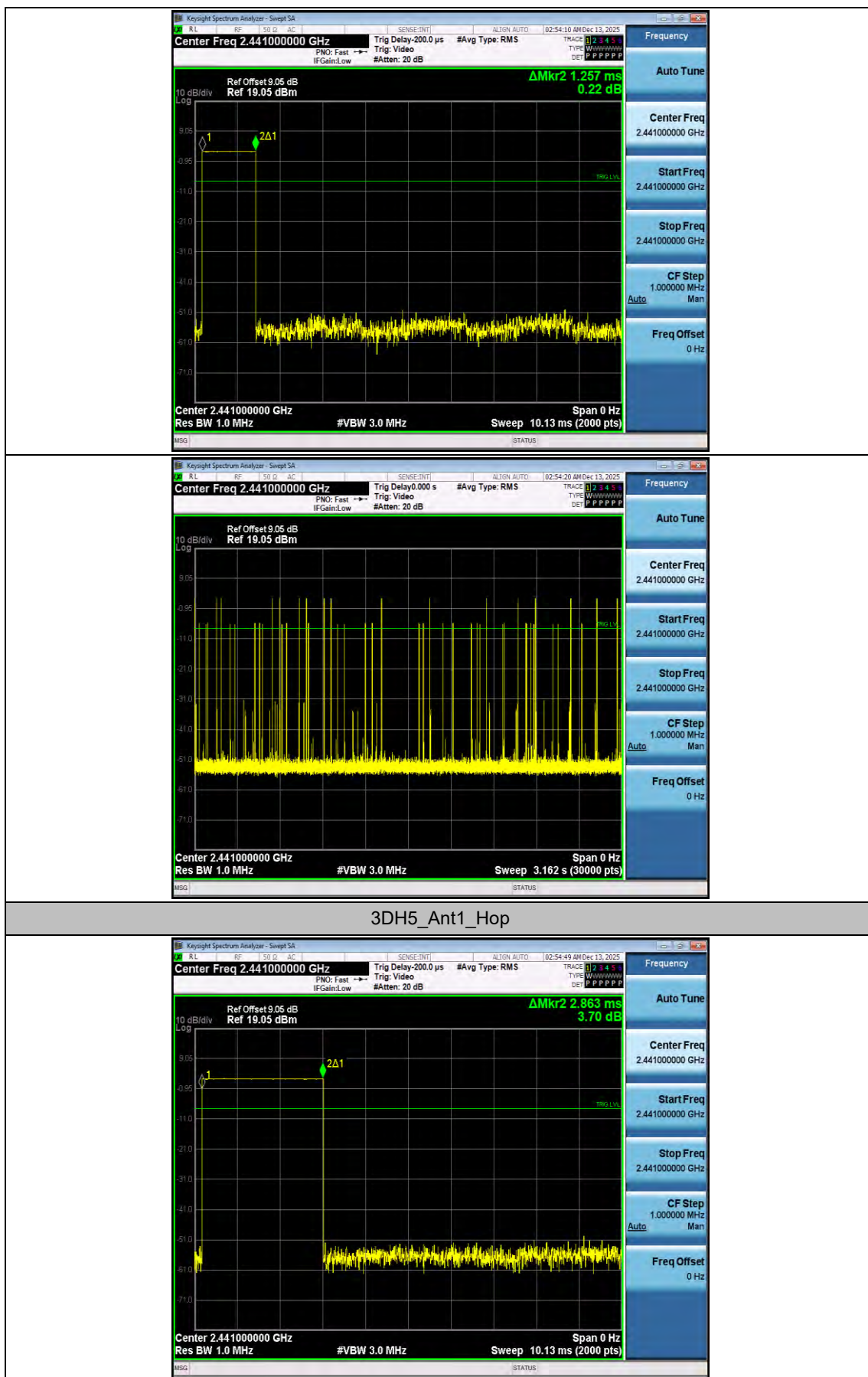


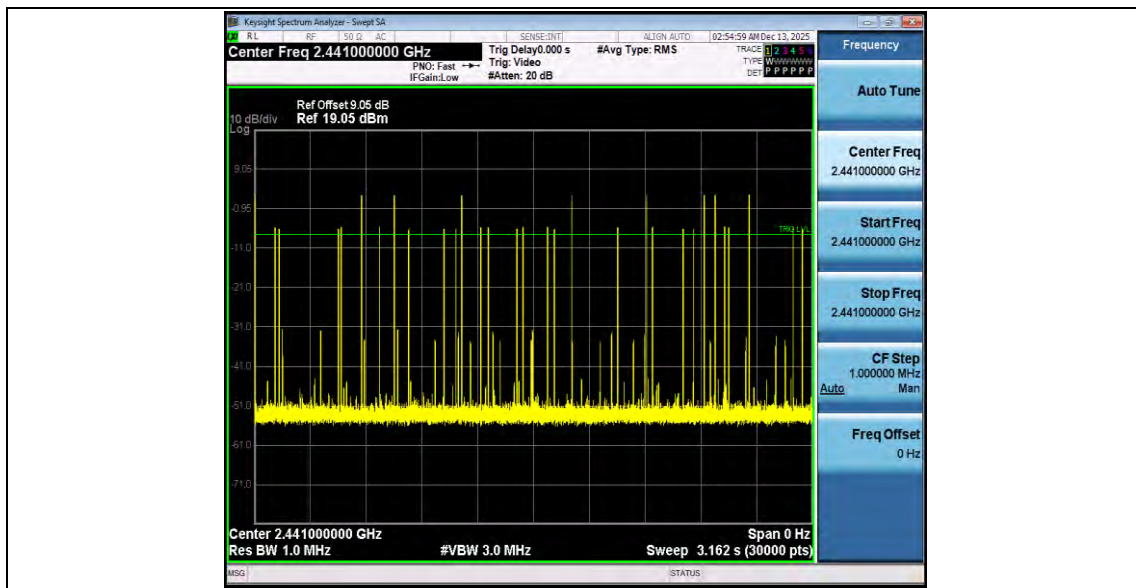


3DH1_Ant1_Hop



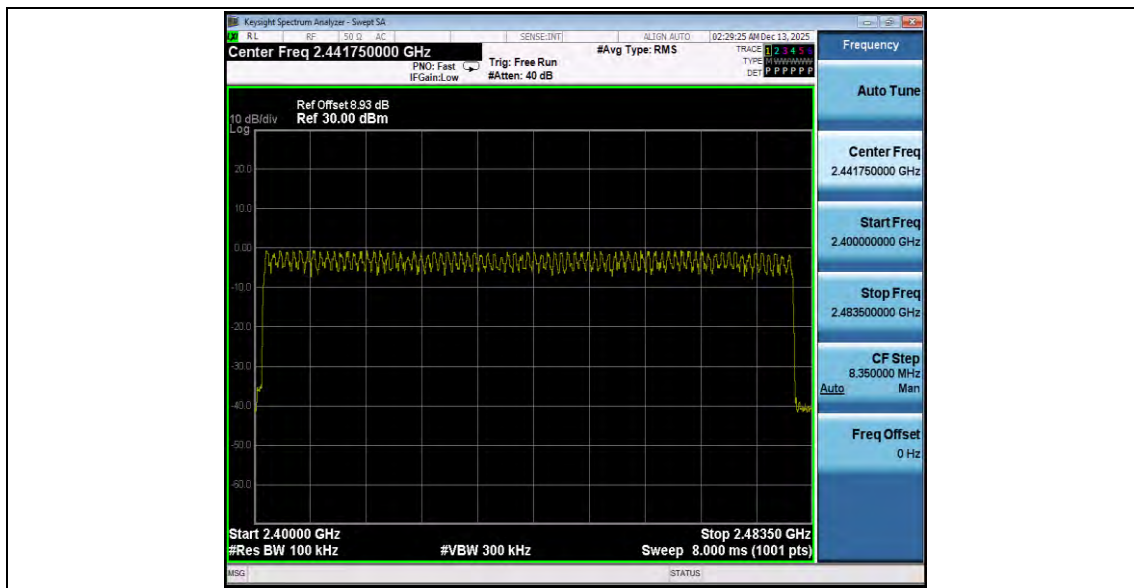
3DH3_Ant1_Hop





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



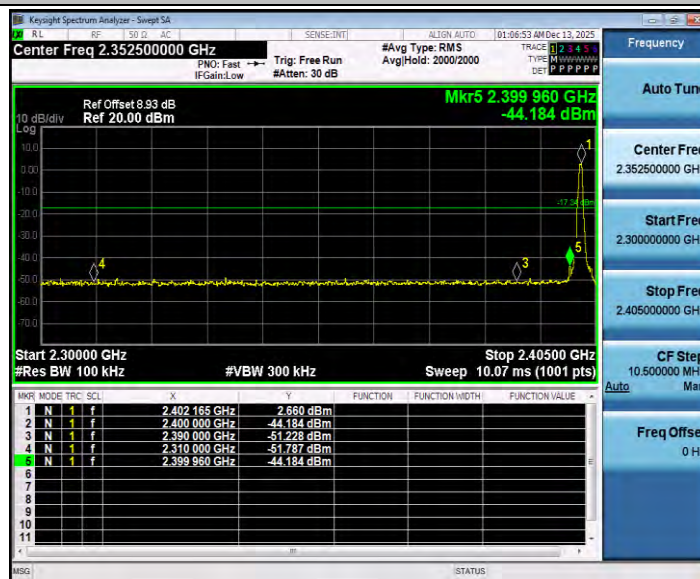
Appendix A.7: Band edge measurements

Test Result

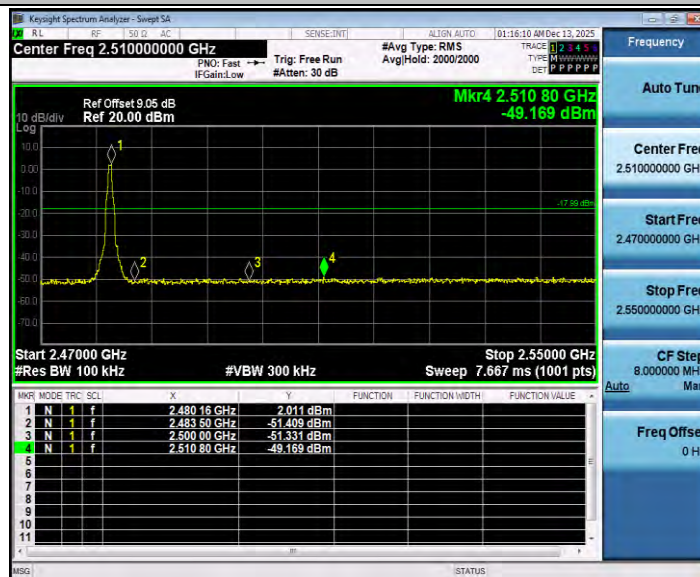
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	2.66	-44.18	≤ -17.34	PASS
		High	2480	2.01	-49.17	≤ -17.99	PASS
		Low	Hop_2402	2.66	-46.63	≤ -17.34	PASS
		High	Hop_2480	2.45	-48.75	≤ -17.55	PASS
2DH1	Ant1	Low	2402	-0.70	-45.83	≤ -20.7	PASS
		High	2480	-1.40	-48.26	≤ -21.4	PASS
		Low	Hop_2402	-0.91	-49.15	≤ -20.91	PASS
		High	Hop_2480	-1.17	-48.4	≤ -21.17	PASS
3DH1	Ant1	Low	2402	-0.64	-47.3	≤ -20.64	PASS
		High	2480	-1.33	-48.09	≤ -21.33	PASS
		Low	Hop_2402	-0.78	-49.54	≤ -20.78	PASS
		High	Hop_2480	-1.35	-48.77	≤ -21.35	PASS

Test Graphs

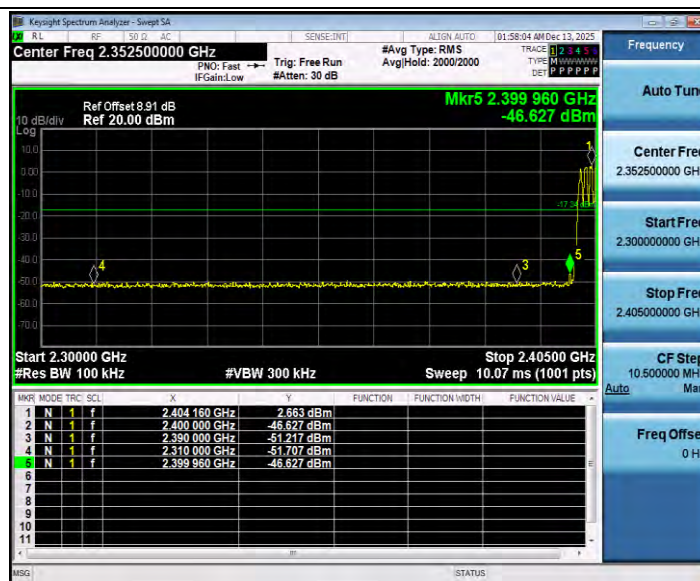
DH1_Ant1_Low_2402



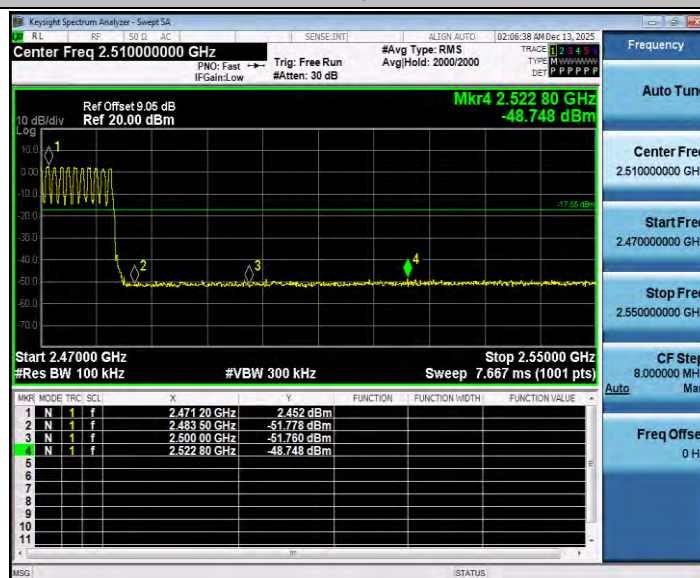
DH1_Ant1_High_2480



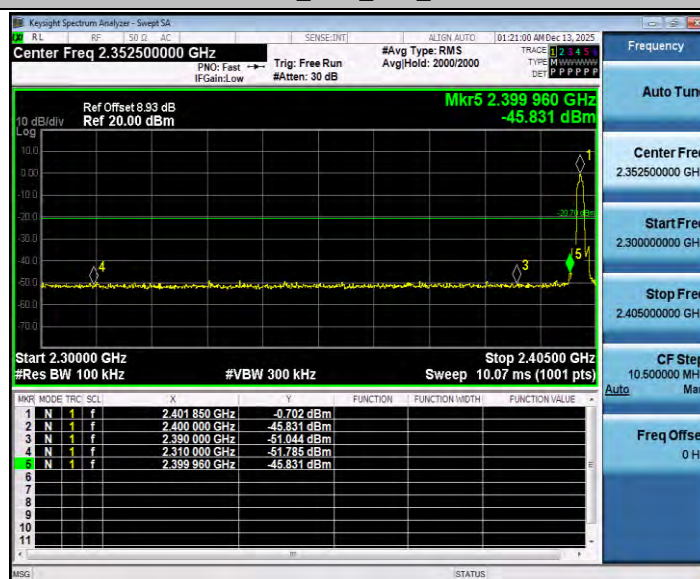
DH1_Ant1_Low_Hop_2402



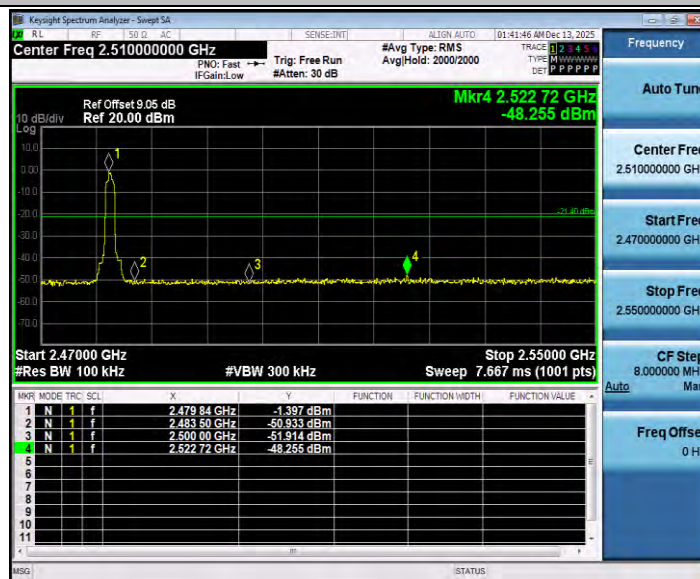
DH1_Ant1_High_Hop_2480



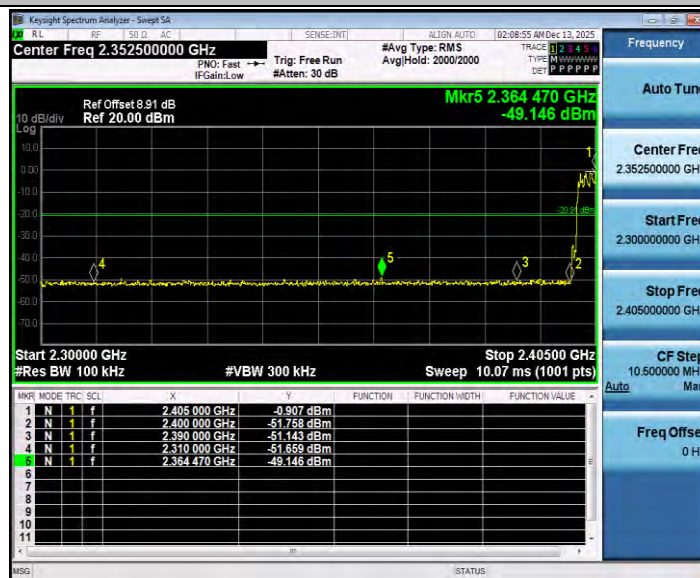
2DH1_Ant1_Low_2402



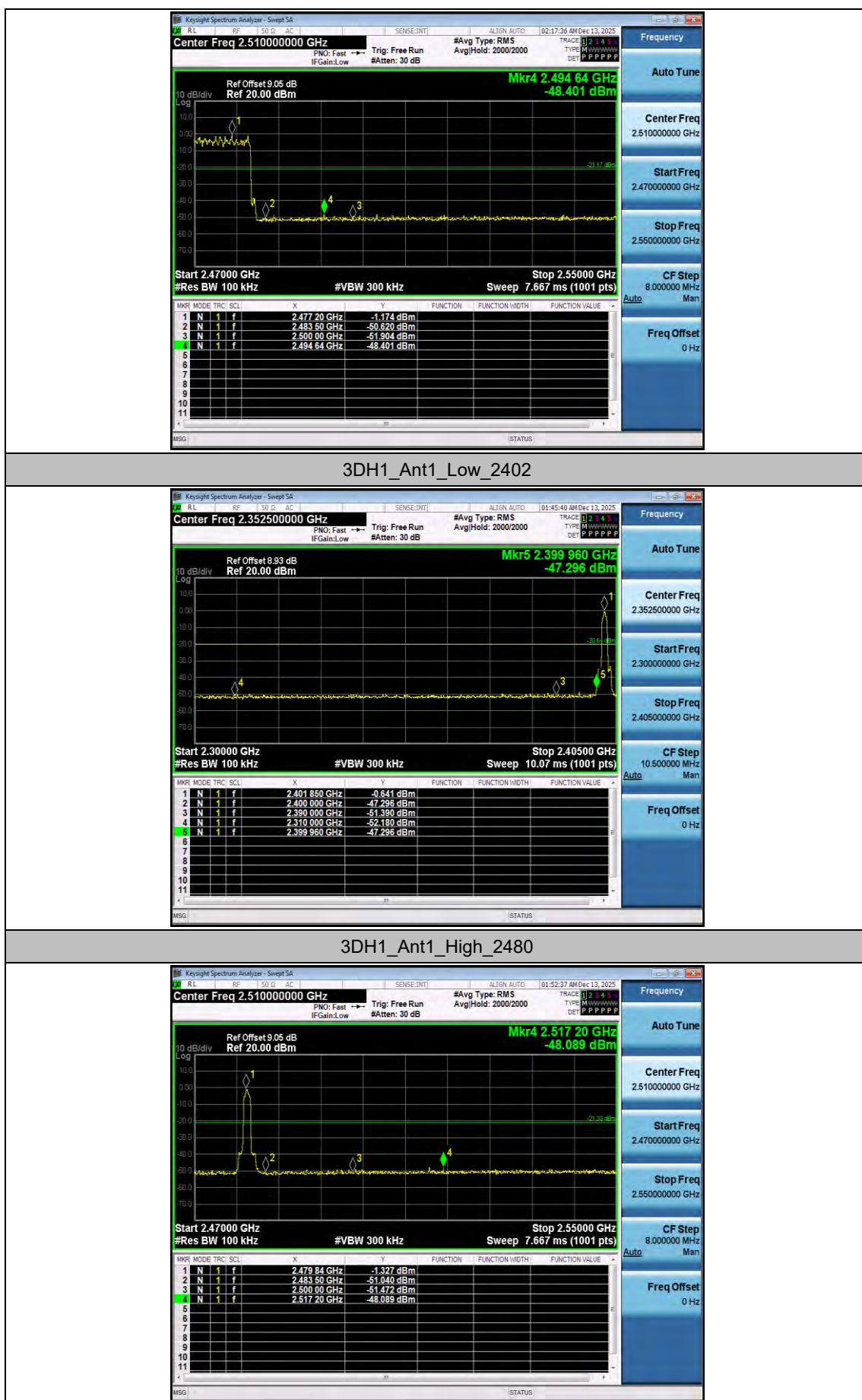
2DH1_Ant1_High_2480



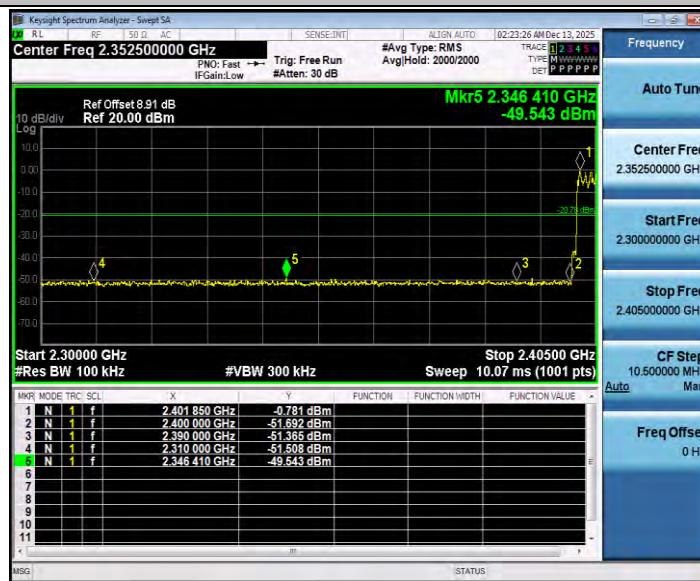
2DH1_Ant1_Low_Hop_2402



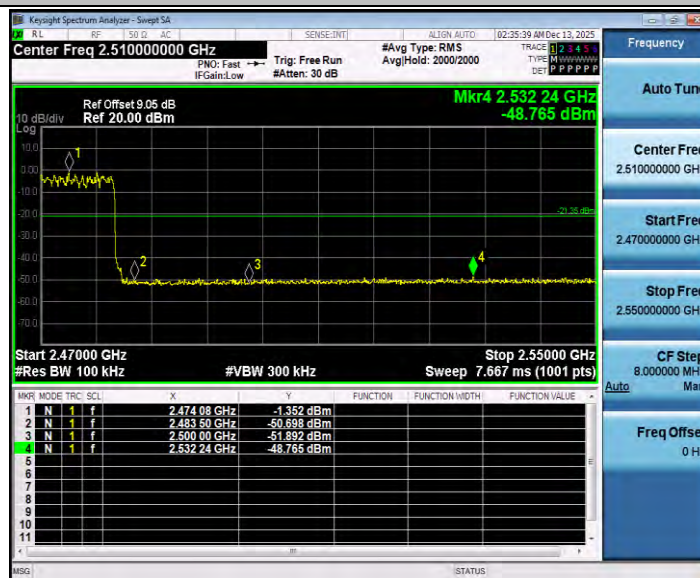
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

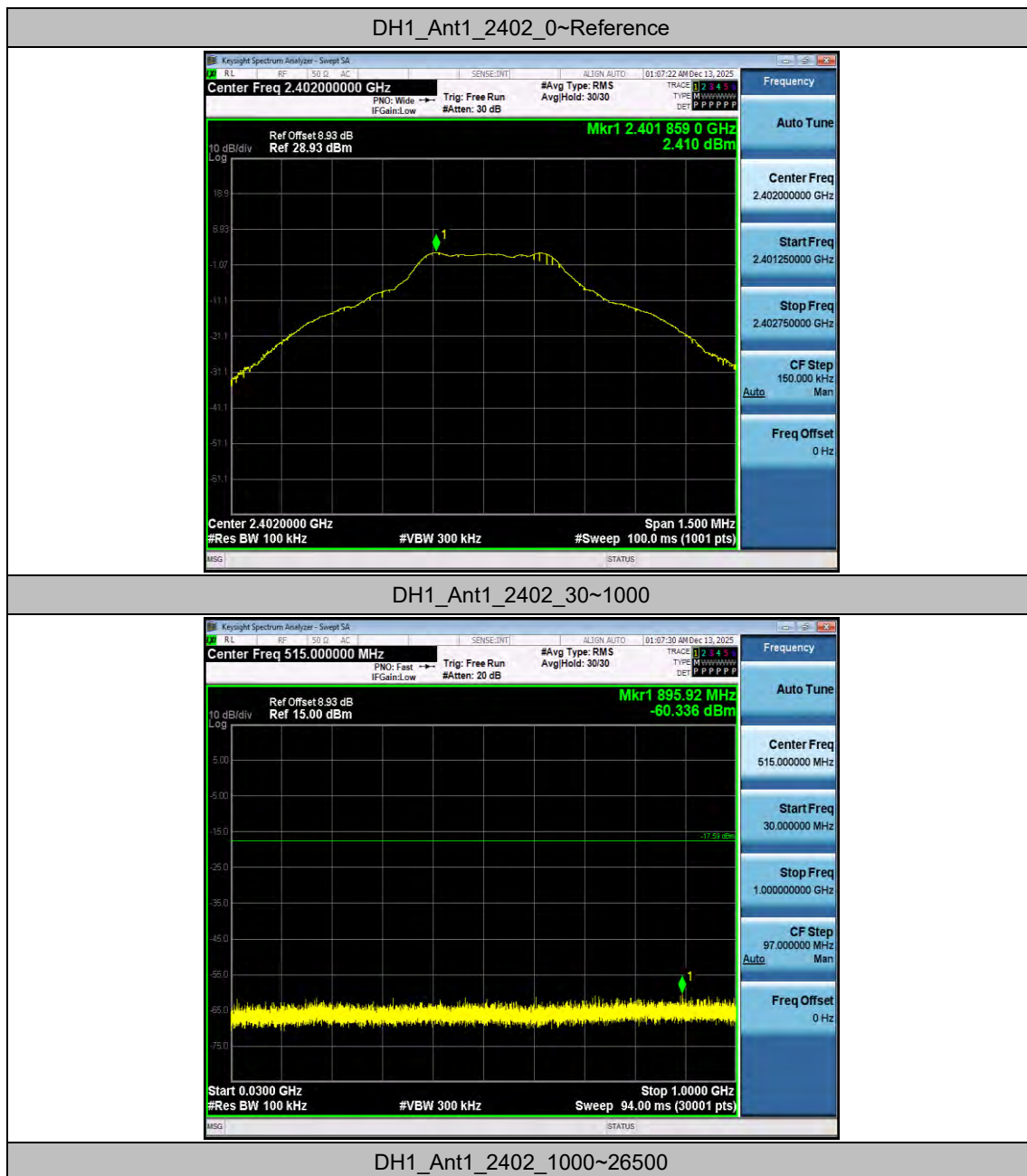


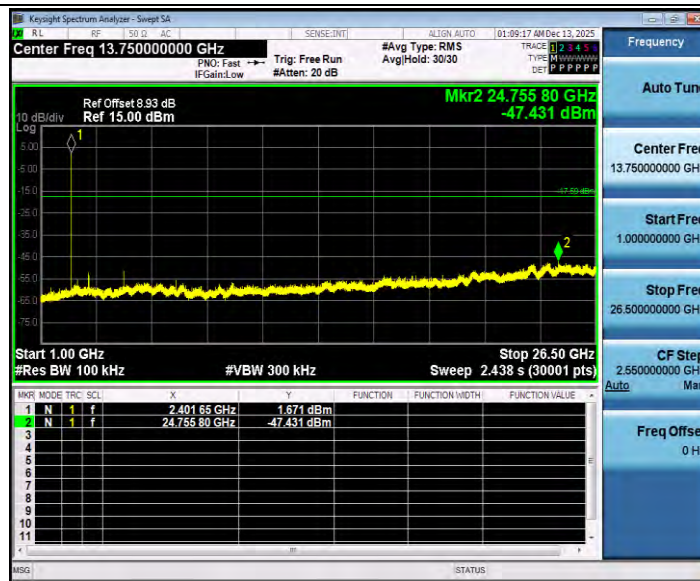
AppendixA.8:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	2.41	2.41	---	PASS
			30~1000	2.41	-60.34	≤-17.59	PASS
			1000~26500	2.41	-47.43	≤-17.59	PASS
		2441	Reference	2.10	2.10	---	PASS
			30~1000	2.10	-60.59	≤-17.9	PASS
			1000~26500	2.10	-47.32	≤-17.9	PASS
		2480	Reference	1.76	1.76	---	PASS
			30~1000	1.76	-59.68	≤-18.24	PASS
			1000~26500	1.76	-47.54	≤-18.24	PASS
2DH1	Ant1	2402	Reference	-0.83	-0.83	---	PASS
			30~1000	-0.83	-60.31	≤-20.83	PASS
			1000~26500	-0.83	-47.42	≤-20.83	PASS
		2441	Reference	-1.16	-1.16	---	PASS
			30~1000	-1.16	-60.56	≤-21.16	PASS
			1000~26500	-1.16	-47.02	≤-21.16	PASS
		2480	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-59.49	≤-21.54	PASS
			1000~26500	-1.54	-46.93	≤-21.54	PASS
3DH1	Ant1	2402	Reference	-0.70	-0.70	---	PASS
			30~1000	-0.70	-60.89	≤-20.7	PASS
			1000~26500	-0.70	-48.01	≤-20.7	PASS
		2441	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-60.86	≤-21.01	PASS
			1000~26500	-1.01	-47.43	≤-21.01	PASS
		2480	Reference	-1.38	-1.38	---	PASS
			30~1000	-1.38	-59.79	≤-21.38	PASS
			1000~26500	-1.38	-47.13	≤-21.38	PASS

Test Graphs

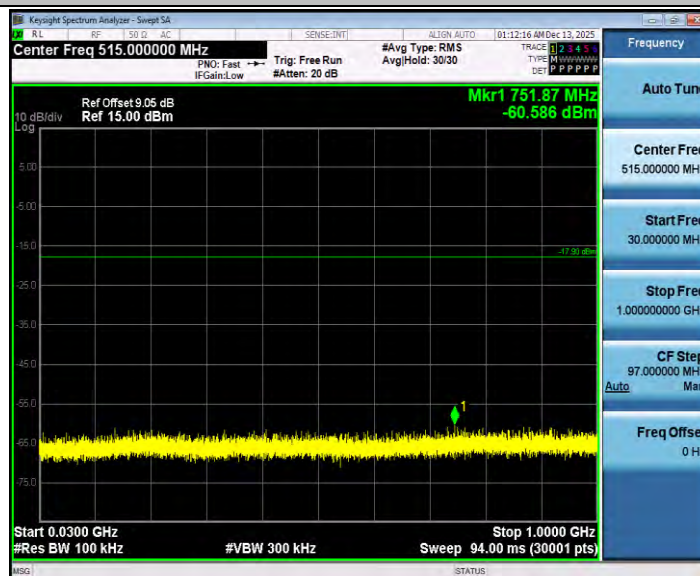




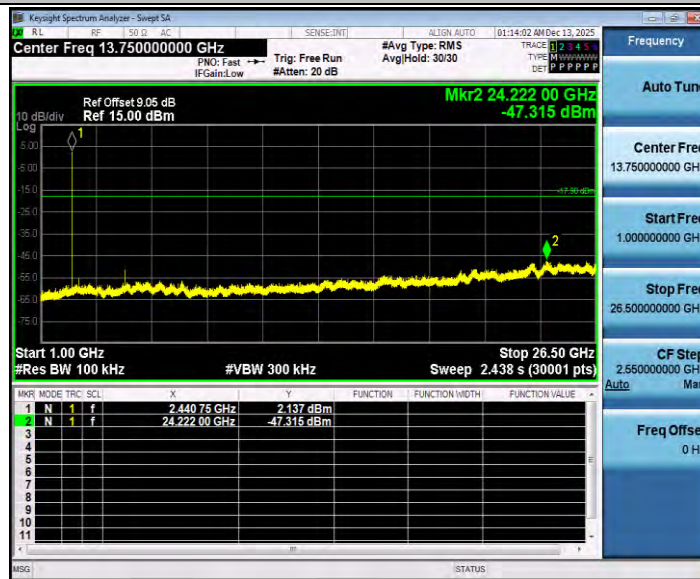
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



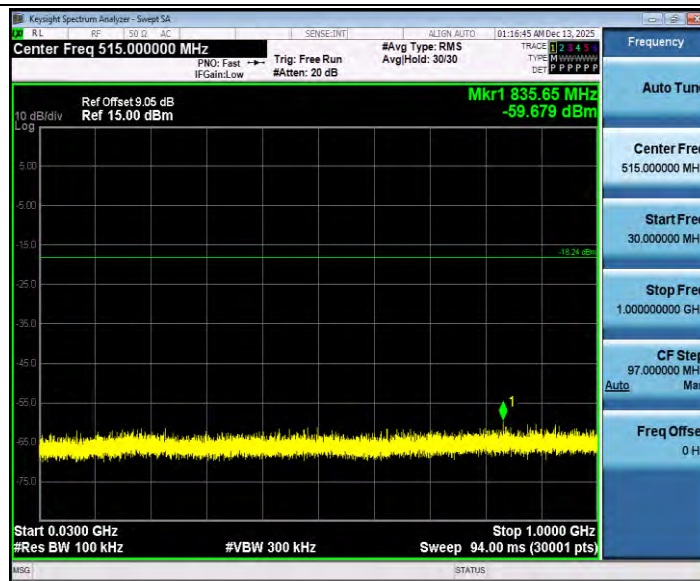
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

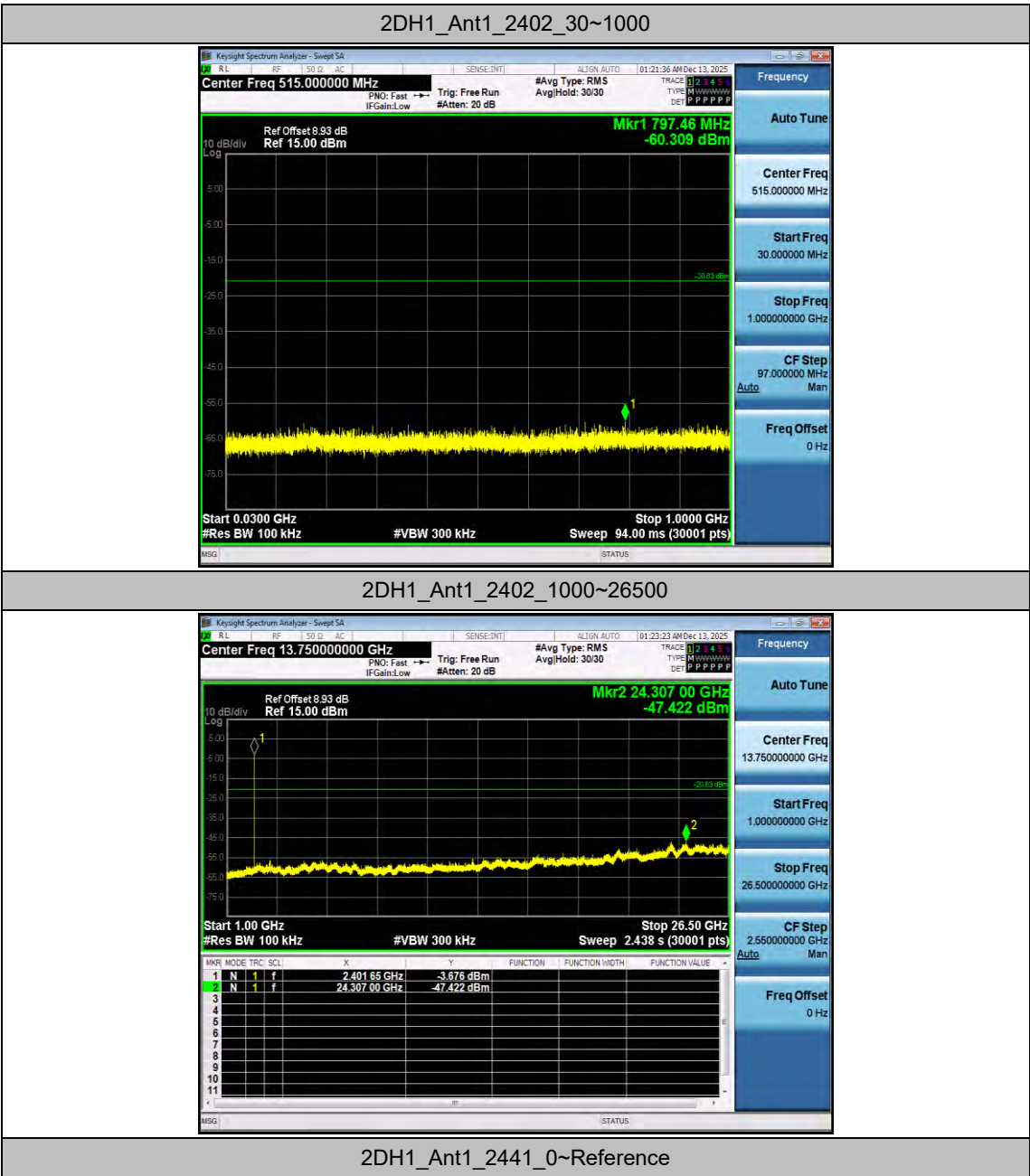


DH1_Ant1_2480_1000~26500



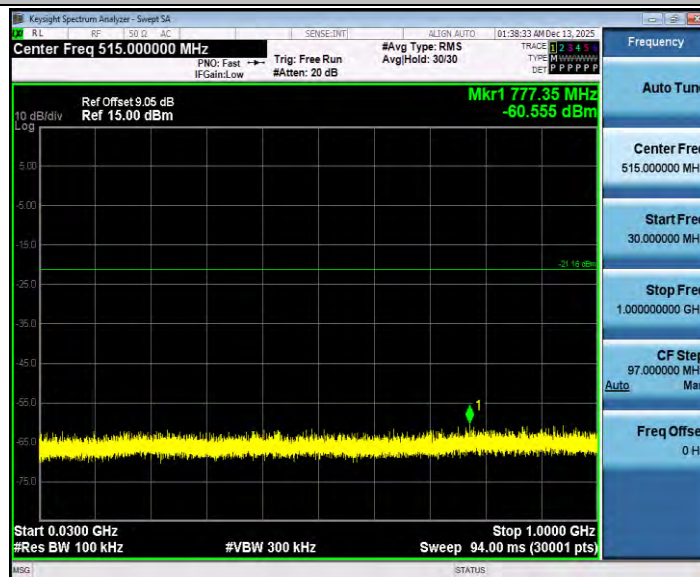
2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



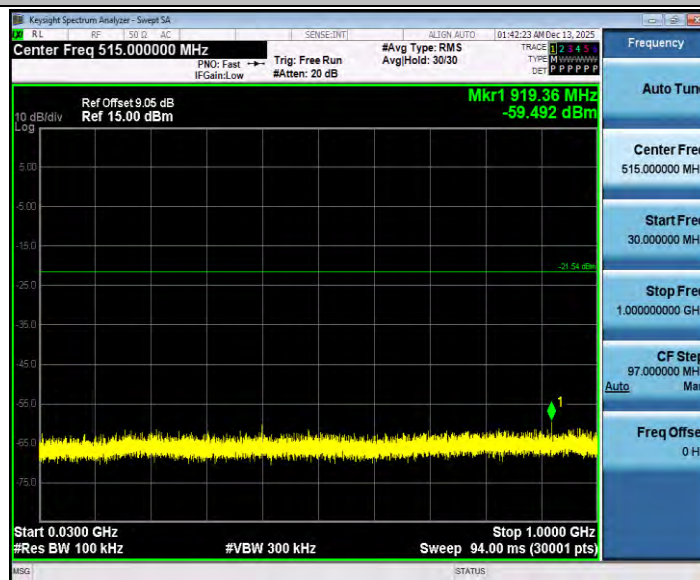
2DH1_Ant1_2441_1000~26500



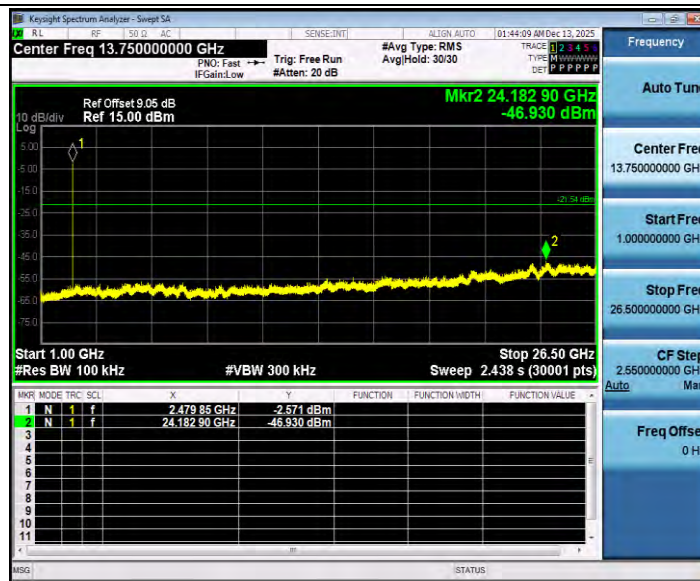
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



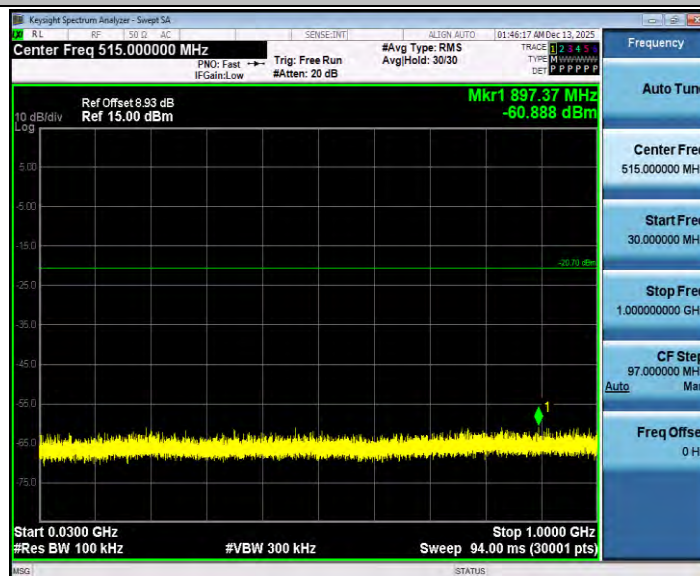
2DH1_Ant1_2480_1000~26500



3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



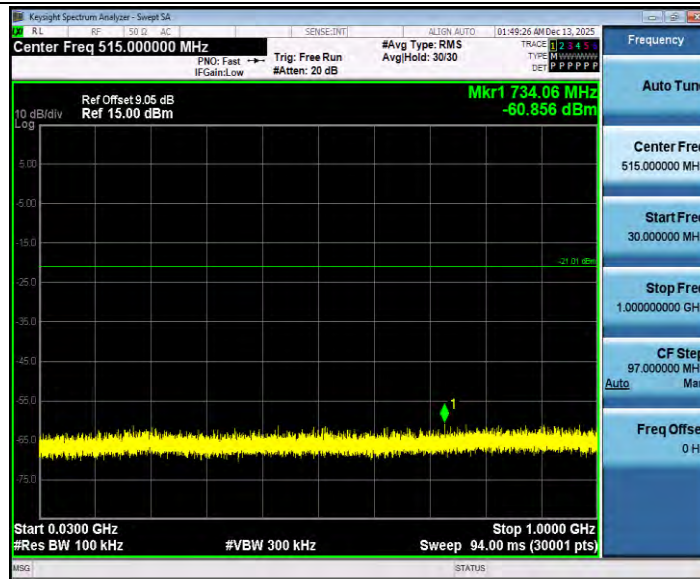
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

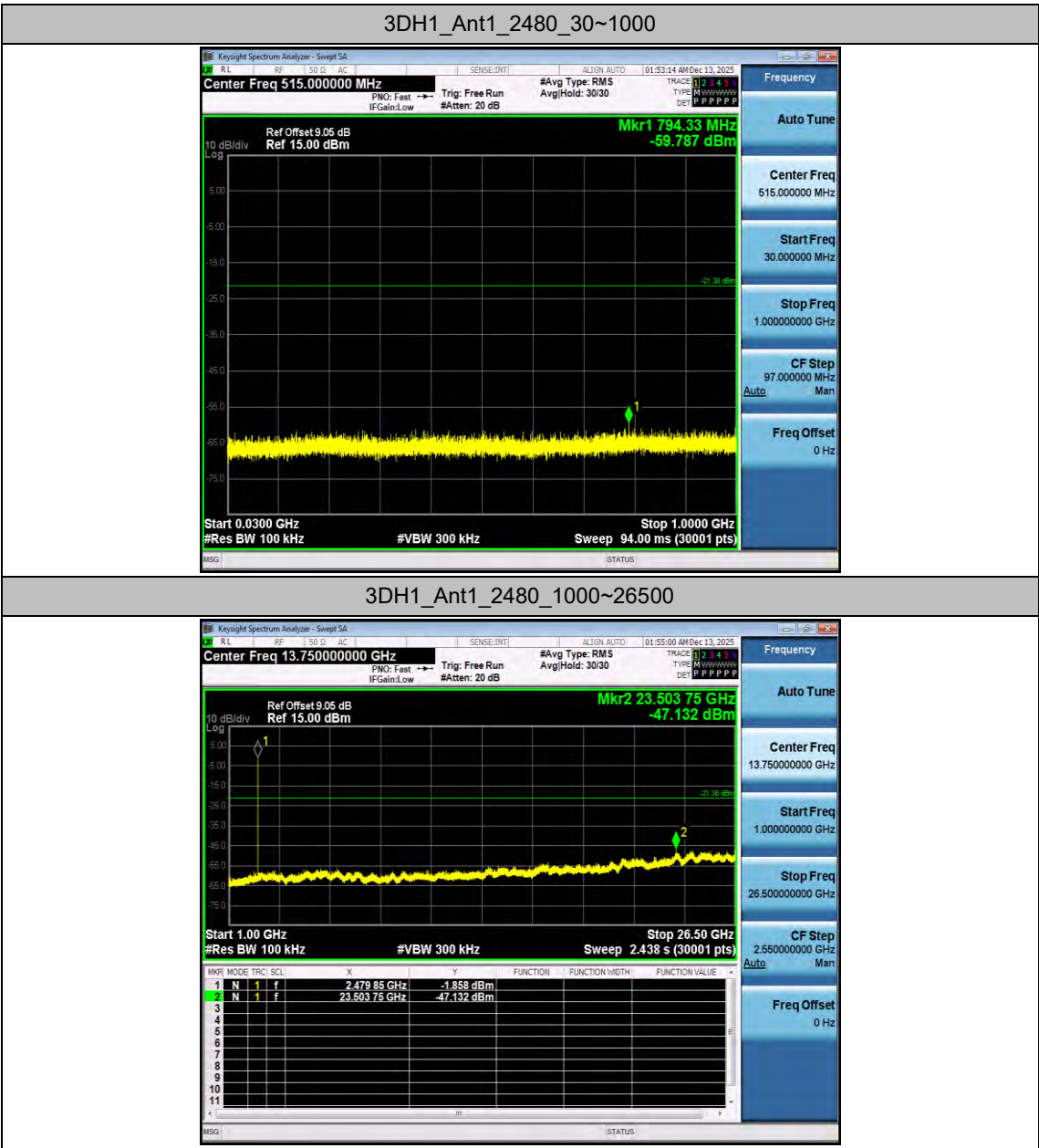


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

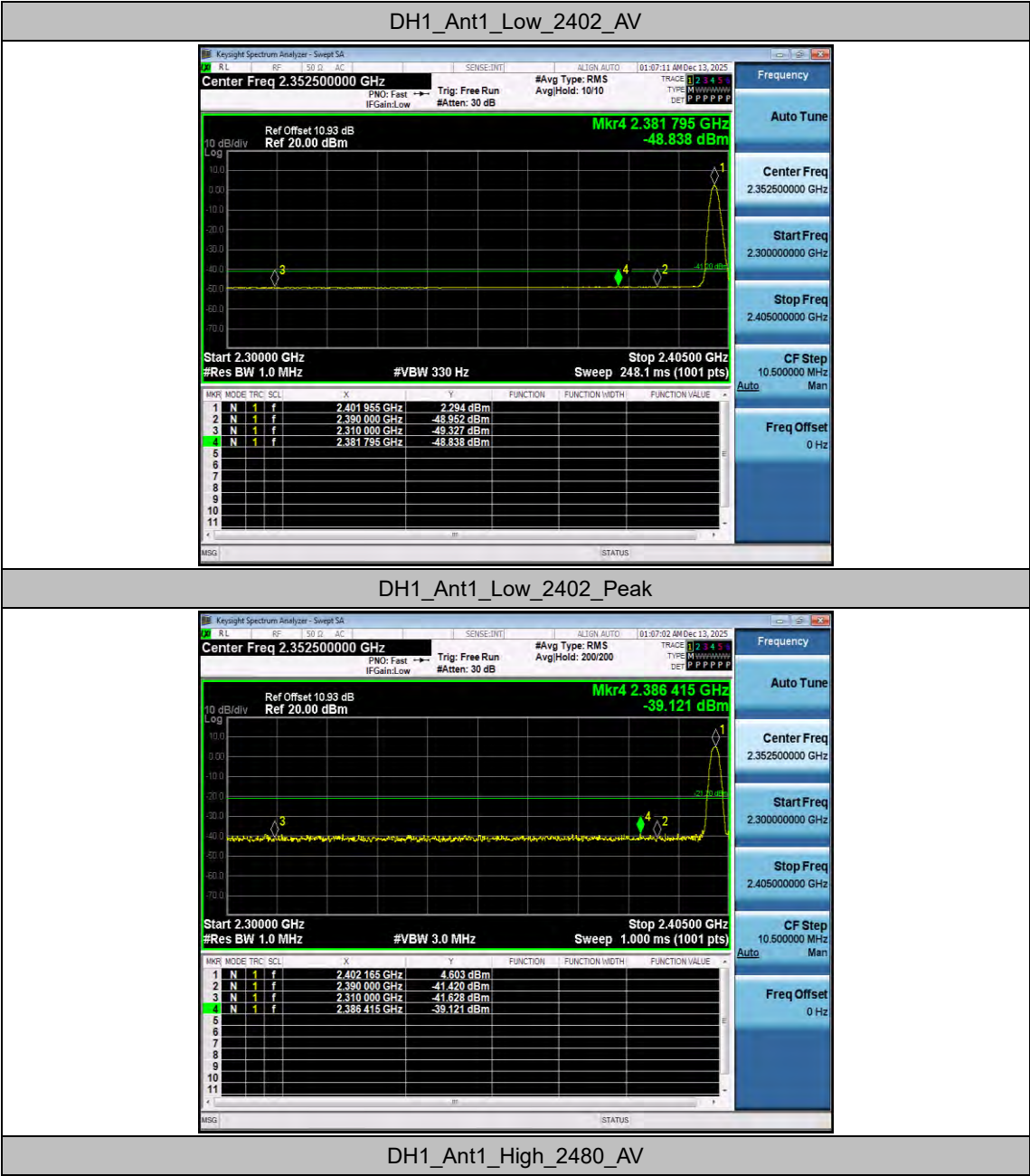
TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.33	≤-41.20	45.87	≤54	PASS
				AV	2381.795	-48.84	≤-41.20	46.36	≤54	PASS
				AV	2390.000	-48.95	≤-41.20	46.25	≤54	PASS
				Peak	2310.000	-41.63	≤-21.20	53.57	≤74	PASS
				Peak	2386.415	-39.12	≤-21.20	56.08	≤74	PASS
				Peak	2390.000	-41.42	≤-21.20	53.78	≤74	PASS
		High	2480	AV	2483.500	-48.25	≤-41.20	46.95	≤54	PASS
				AV	2483.520	-48.25	≤-41.20	46.95	≤54	PASS
				AV	2500.000	-48.71	≤-41.20	46.49	≤54	PASS
				Peak	2483.500	-39.39	≤-21.20	55.81	≤74	PASS
				Peak	2484.080	-38.52	≤-21.20	56.68	≤74	PASS
				Peak	2500.000	-40.19	≤-21.20	55.01	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.27	≤-41.20	45.93	≤54	PASS
				AV	2385.260	-48.79	≤-41.20	46.41	≤54	PASS
				AV	2390.000	-48.89	≤-41.20	46.31	≤54	PASS
				Peak	2310.000	-42.3	≤-21.20	52.90	≤74	PASS
				Peak	2386.310	-38.75	≤-21.20	56.45	≤74	PASS
				Peak	2390.000	-40.98	≤-21.20	54.22	≤74	PASS
		High	2480	AV	2483.500	-48.45	≤-41.20	46.75	≤54	PASS
				AV	2483.520	-48.45	≤-41.20	46.75	≤54	PASS
				AV	2500.000	-48.56	≤-41.20	46.64	≤54	PASS
				Peak	2483.500	-41.91	≤-21.20	53.29	≤74	PASS
				Peak	2486.480	-38.42	≤-21.20	56.78	≤74	PASS
				Peak	2500.000	-40.94	≤-21.20	54.26	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.37	≤-41.20	45.83	≤54	PASS
				AV	2387.675	-48.82	≤-41.20	46.38	≤54	PASS
				AV	2390.000	-49.03	≤-41.20	46.17	≤54	PASS
				Peak	2310.000	-40.01	≤-21.20	55.19	≤74	PASS
				Peak	2388.095	-38.72	≤-21.20	56.48	≤74	PASS
				Peak	2390.000	-42.49	≤-21.20	52.71	≤74	PASS
		High	2480	AV	2483.500	-48.57	≤-41.20	46.63	≤54	PASS
				AV	2494.640	-48.54	≤-41.20	46.66	≤54	PASS
				AV	2500.000	-48.71	≤-41.20	46.49	≤54	PASS
				Peak	2483.500	-41.87	≤-21.20	53.33	≤74	PASS
				Peak	2492.880	-38.45	≤-21.20	56.75	≤74	PASS

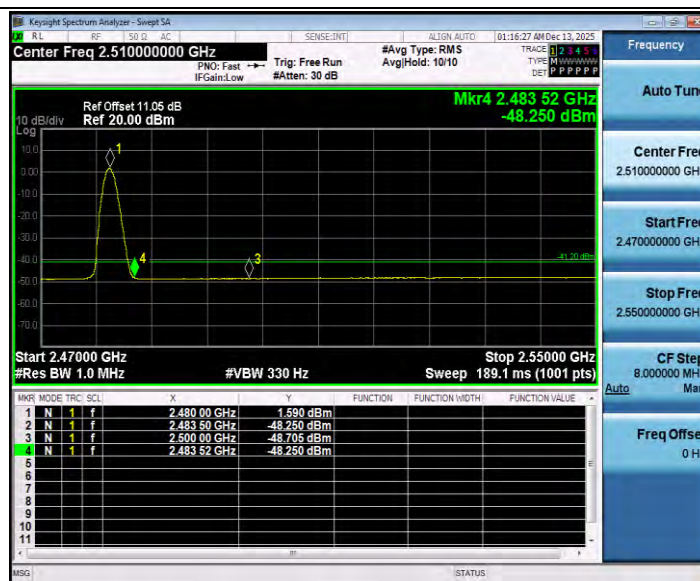
				Peak	2500.000	-40.73	≤-21.20	54.47	≤74	PASS
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Note:

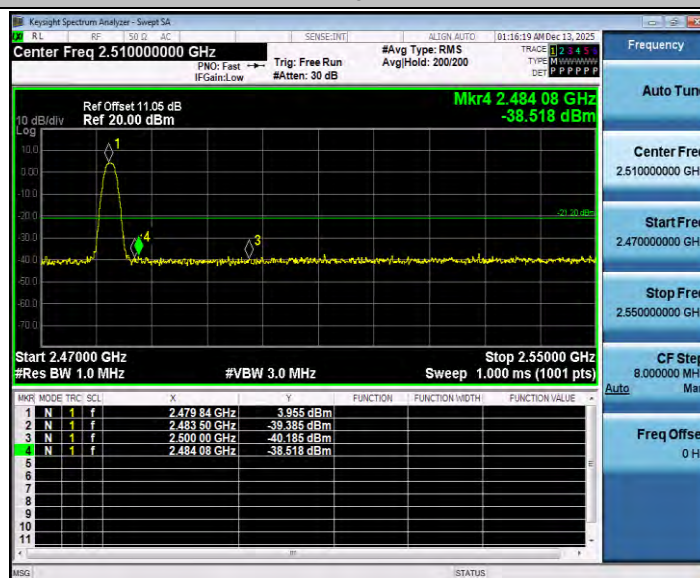
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

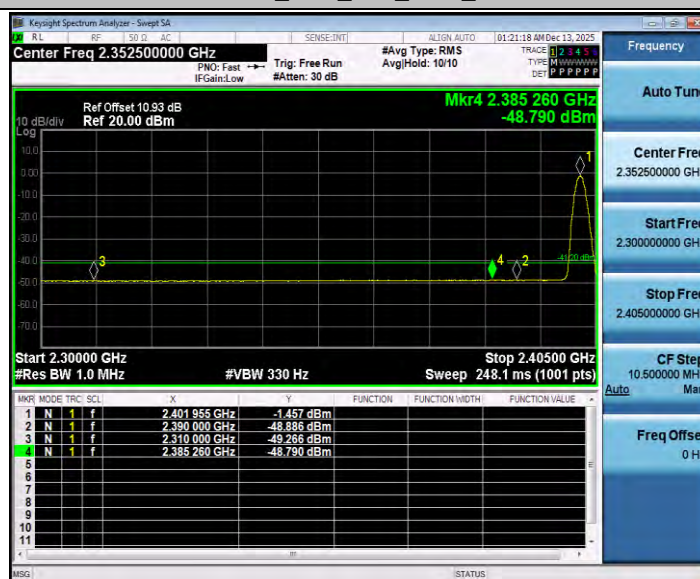




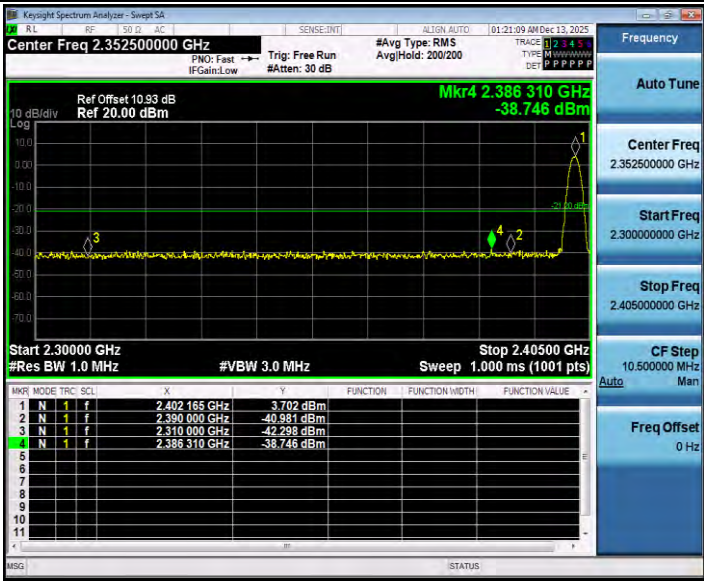
DH1_Ant1_High_2480_Peak



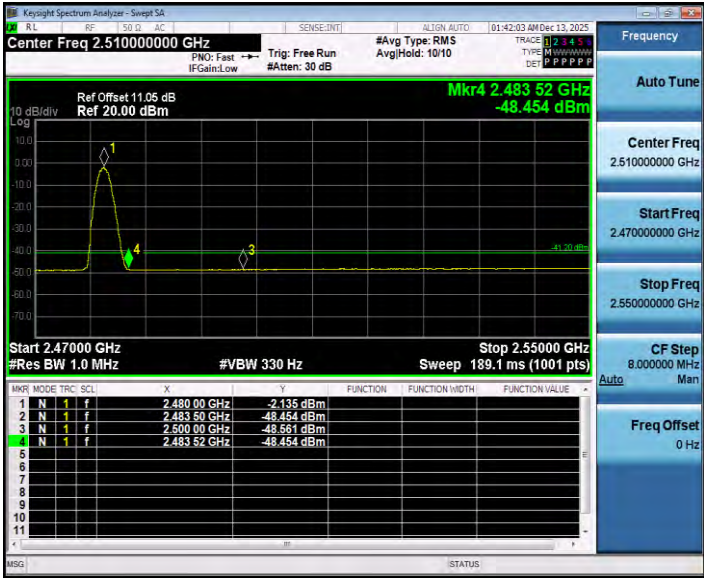
2DH1_Ant1_Low_2402_AV



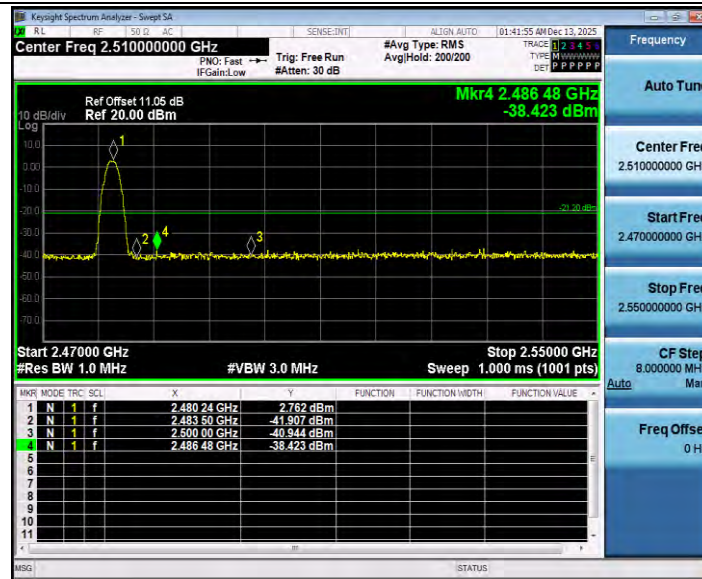
2DH1_Ant1_Low_2402_Peak



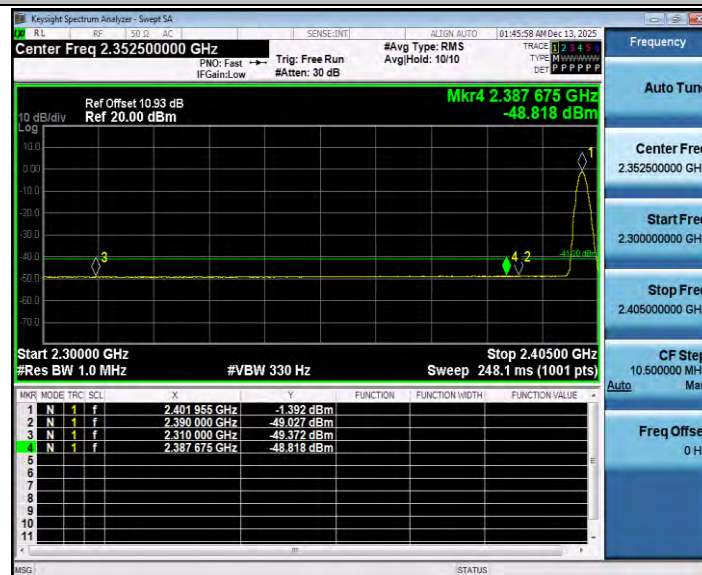
2DH1_Ant1_High_2480_AV



2DH1_Ant1_High_2480_Peak



3DH1_Ant1_Low_2402_AV



3DH1_Ant1_Low_2402_Peak

