

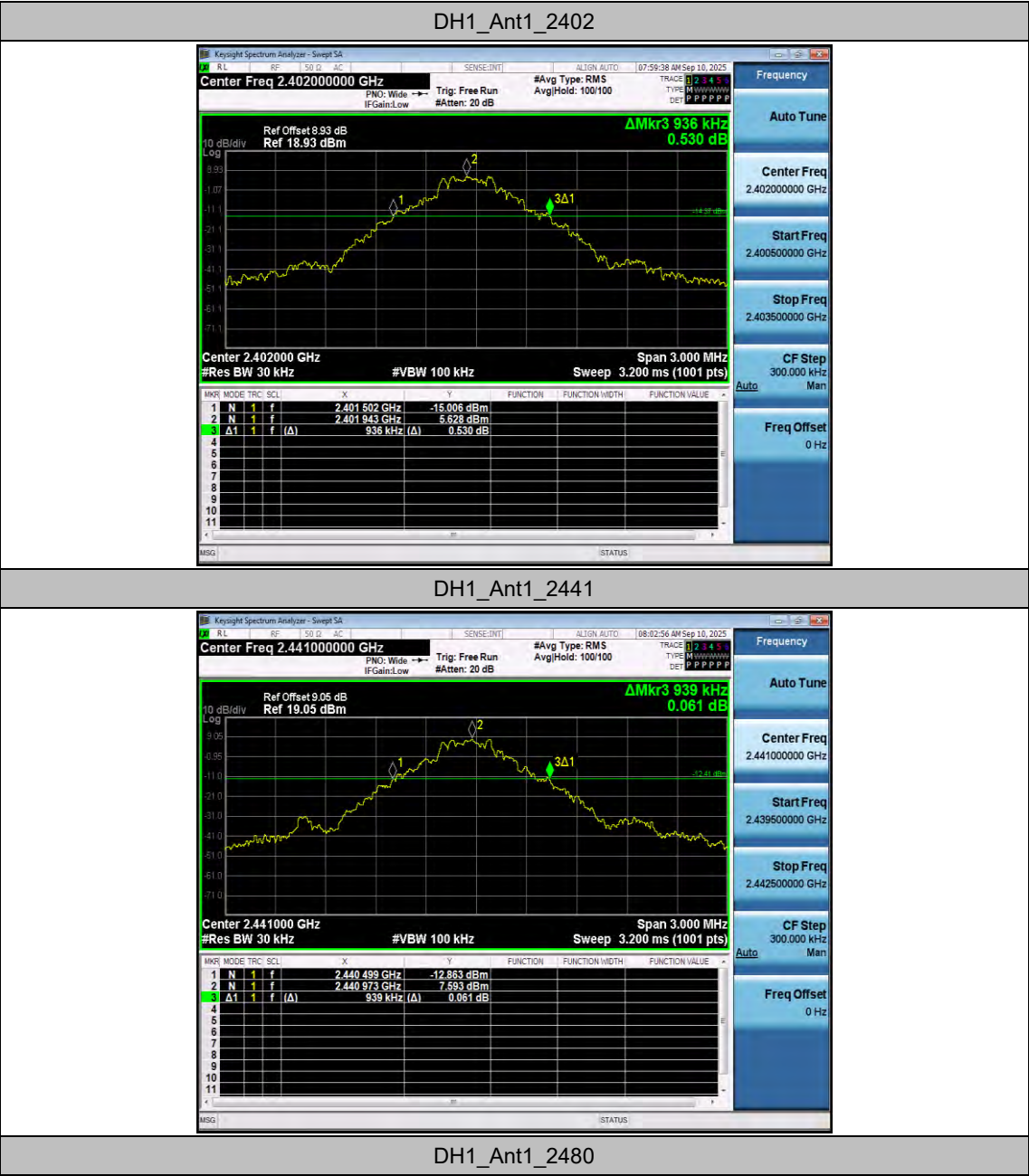
Case No. : <u>GTS20250818004-2-09</u>
Ambient Condition: <u>22</u> °C, <u>58</u> %RH
According Standard: <u>■Part15C</u>
Test Date: <u>2025.9.4-2025.9.17</u> Test Engineer: <u>Evan ouyang</u>

AppendixA.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.936	2401.502	2402.438	---	---
		2441	0.939	2440.499	2441.438	---	---
		2480	0.921	2479.514	2480.435	---	---
2DH1	Ant1	2402	1.305	2401.298	2402.603	---	---
		2441	1.287	2440.322	2441.609	---	---
		2480	1.296	2479.295	2480.591	---	---
3DH1	Ant1	2402	1.266	2401.334	2402.600	---	---
		2441	1.272	2440.325	2441.597	---	---
		2480	1.290	2479.310	2480.600	---	---

Test Graphs





2DH1_Ant1_2402



2DH1_Ant1_2441



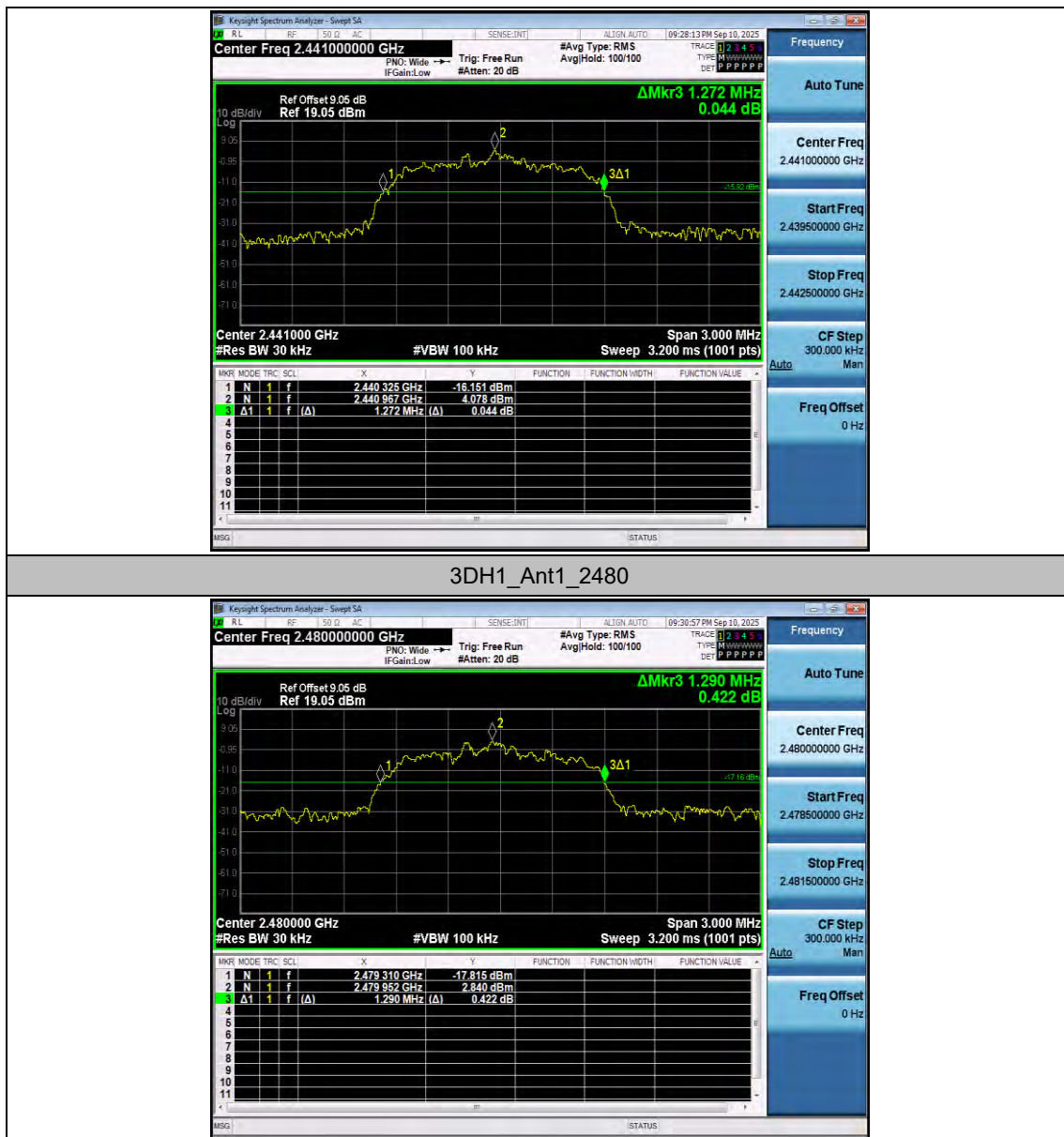
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



AppendixA.2: Occupied Channel Bandwidth

Test Result

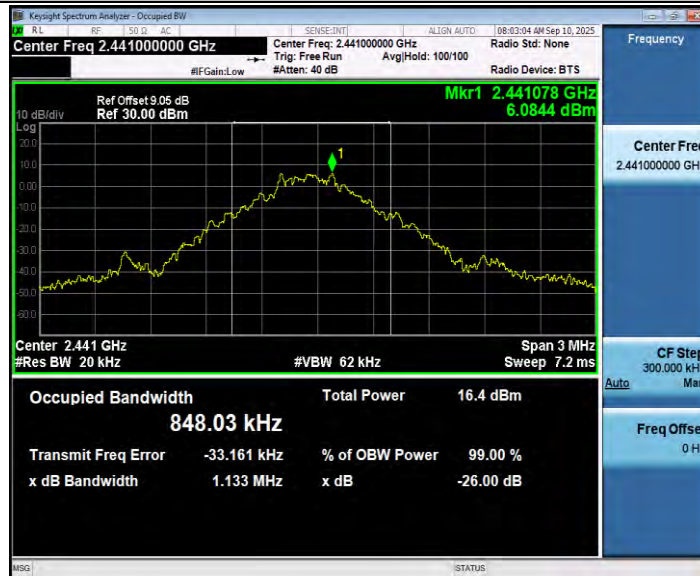
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.82617	2401.5464	2402.3726	---	---
		2441	0.84803	2440.5428	2441.3909	---	---
		2480	0.84091	2479.5458	2480.3867	---	---
2DH1	Ant1	2402	1.1718	2401.3698	2402.5416	---	---
		2441	1.1729	2440.3685	2441.5414	---	---
		2480	1.2005	2479.3484	2480.5489	---	---
3DH1	Ant1	2402	1.1650	2401.3948	2402.5598	---	---
		2441	1.1634	2440.3966	2441.5600	---	---
		2480	1.1779	2479.3844	2480.5623	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



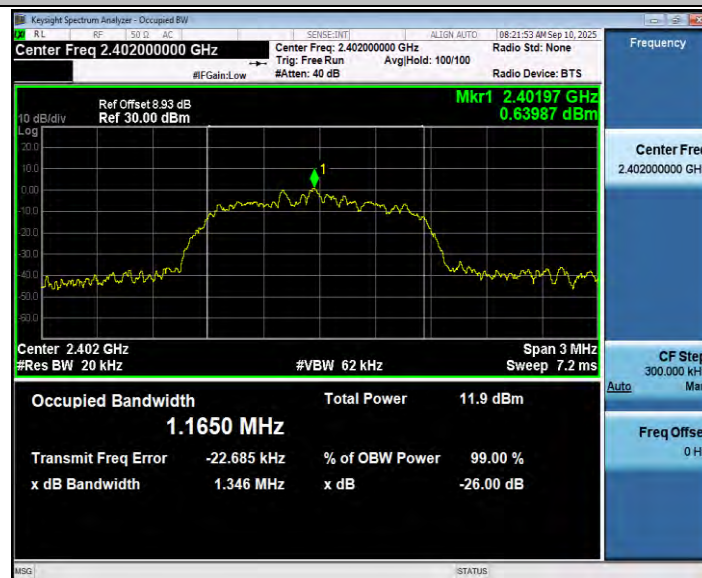
2DH1_Ant1_2441



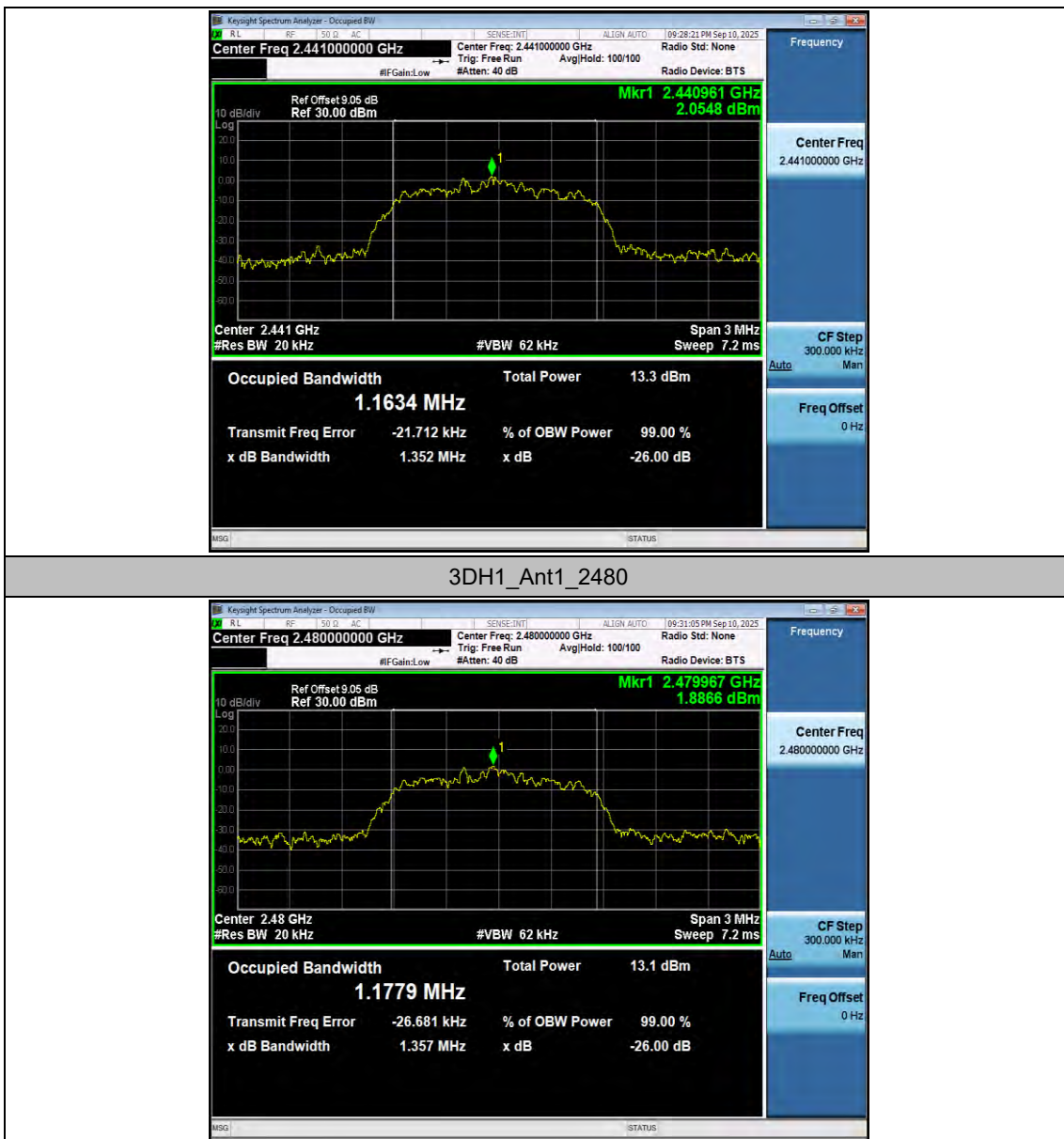
2DH1_Ant1_2480



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	10.71	≤30.00	PASS
		2441	10.43	≤30.00	PASS
		2480	10.42	≤30.00	PASS
2DH1	Ant1	2402	10.20	≤20.97	PASS
		2441	10.88	≤20.97	PASS
		2480	10.60	≤20.97	PASS
3DH1	Ant1	2402	10.40	≤20.97	PASS
		2441	10.98	≤20.97	PASS
		2480	10.63	≤20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.008	≥ 0.939	PASS
		Hop_2441	1.298	≥ 0.939	PASS
		Hop_2480	0.982	≥ 0.939	PASS
2DH1	Ant1	Hop_2402	1.034	≥ 0.870	PASS
		Hop_2441	1.18	≥ 0.870	PASS
		Hop_2480	1.004	≥ 0.870	PASS
3DH1	Ant1	Hop_2402	0.966	≥ 0.860	PASS
		Hop_2441	1.16	≥ 0.860	PASS
		Hop_2480	0.994	≥ 0.860	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



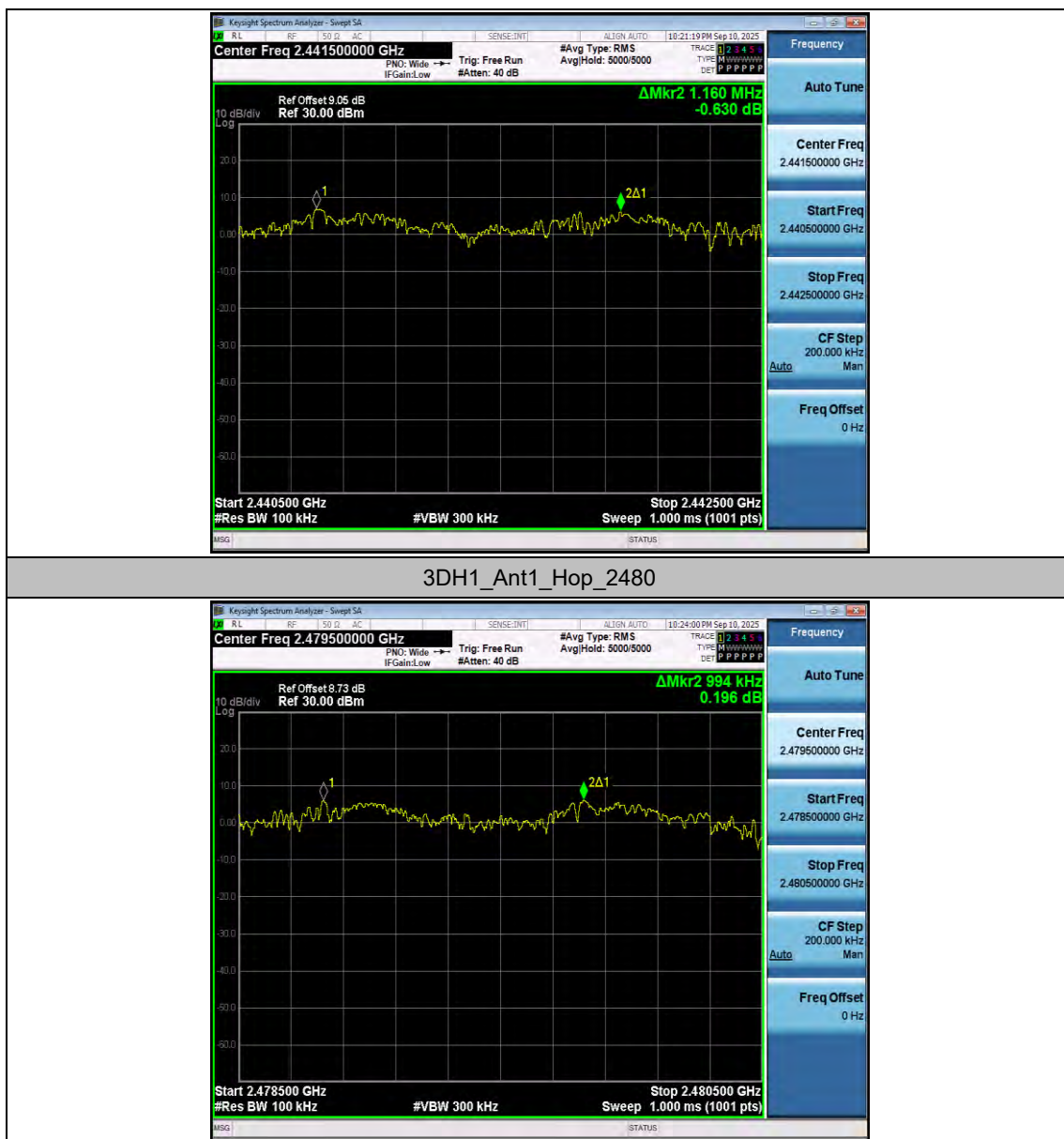
2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441

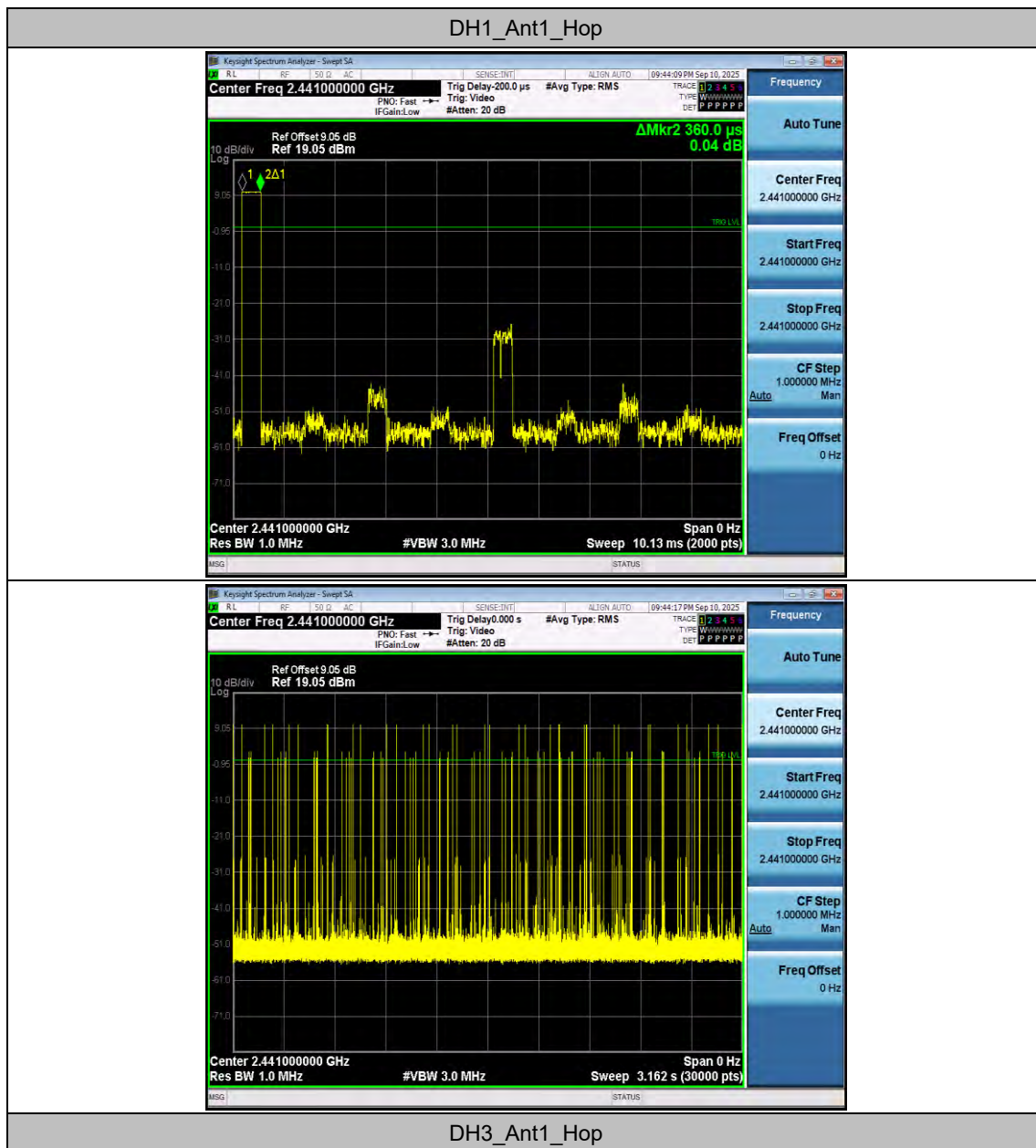


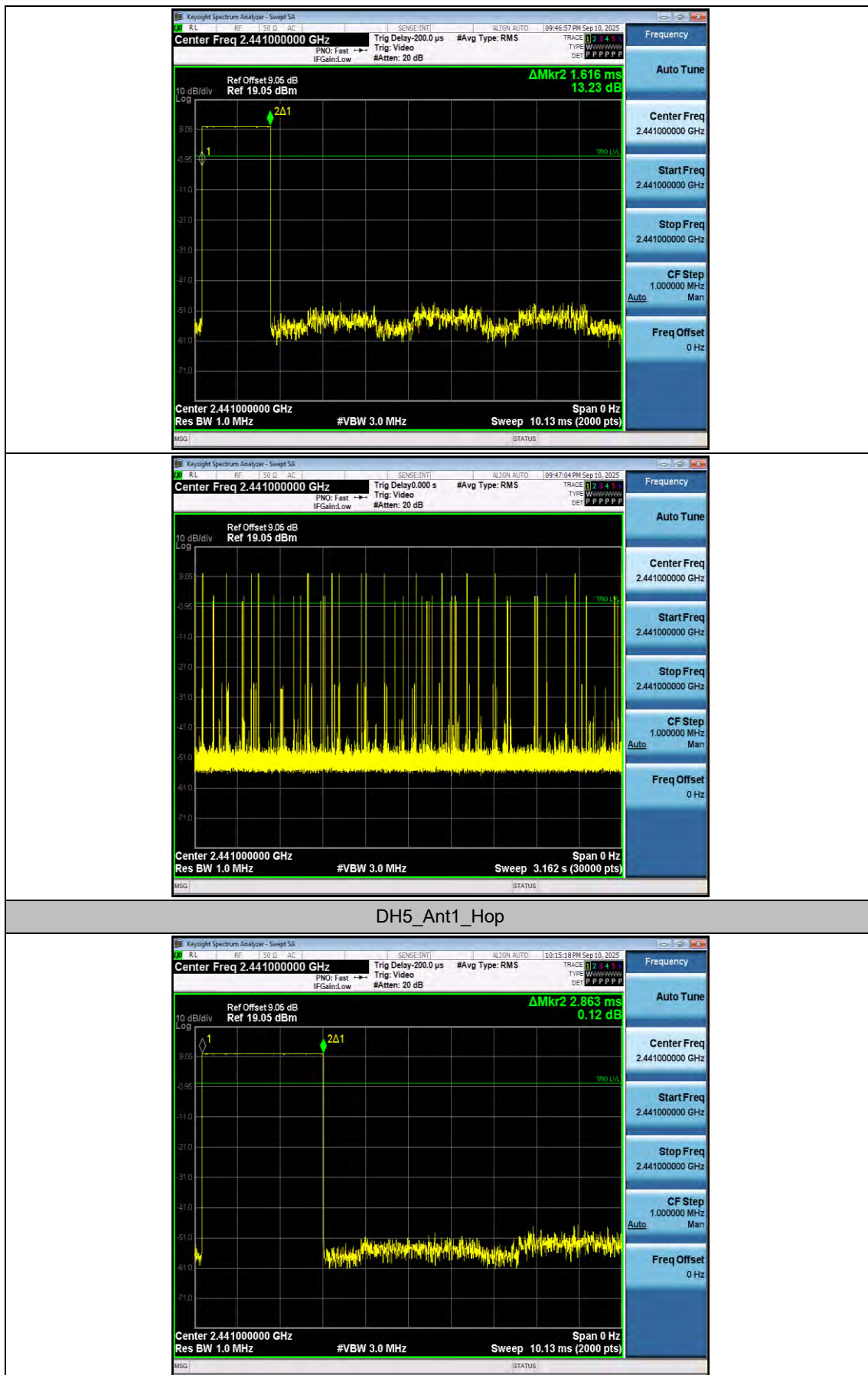
AppendixA.5: Time of occupancy

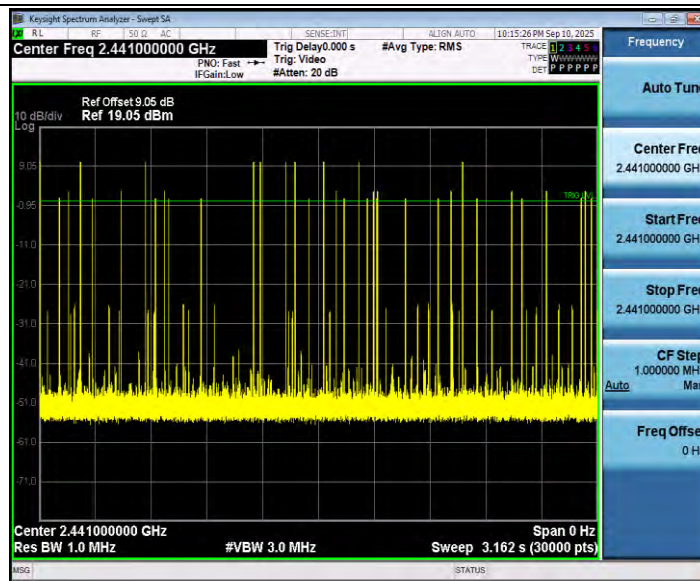
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.360	330	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.616	190	0.307	≤0.4	PASS
DH5	Ant1	Hop	2.863	100	0.286	≤0.4	PASS
2DH1	Ant1	Hop	0.360	330	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.611	180	0.29	≤0.4	PASS
2DH5	Ant1	Hop	2.863	110	0.315	≤0.4	PASS
3DH1	Ant1	Hop	0.365	320	0.117	≤0.4	PASS
3DH3	Ant1	Hop	1.616	170	0.275	≤0.4	PASS
3DH5	Ant1	Hop	2.863	100	0.286	≤0.4	PASS

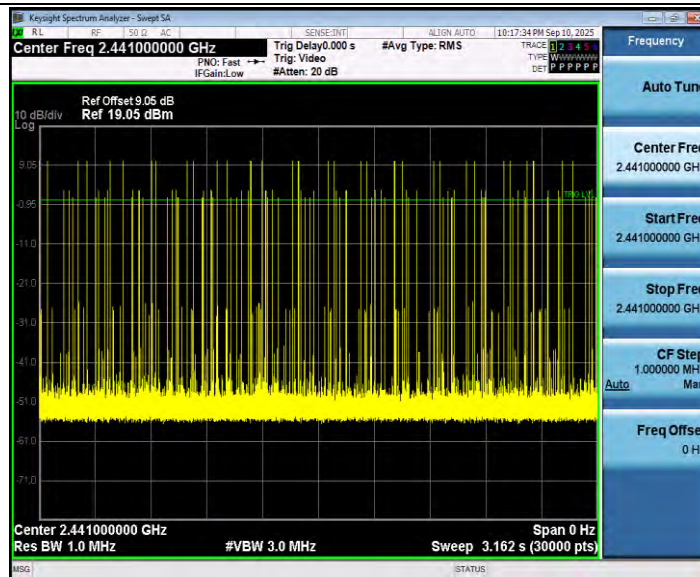
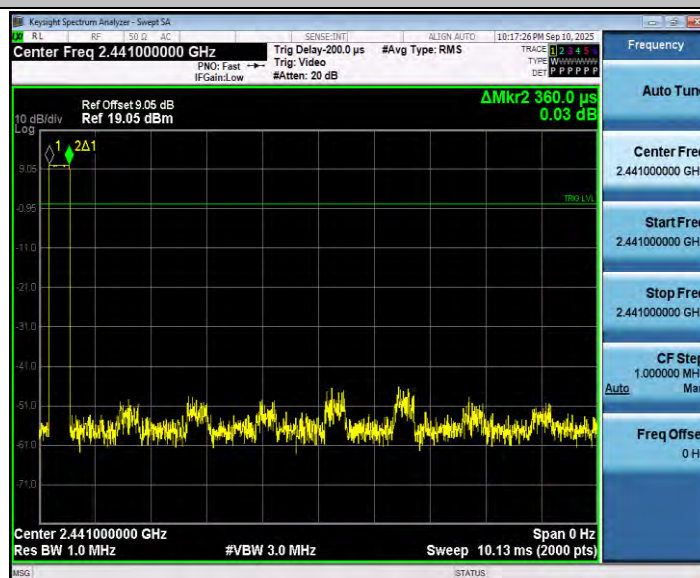
Test Graphs



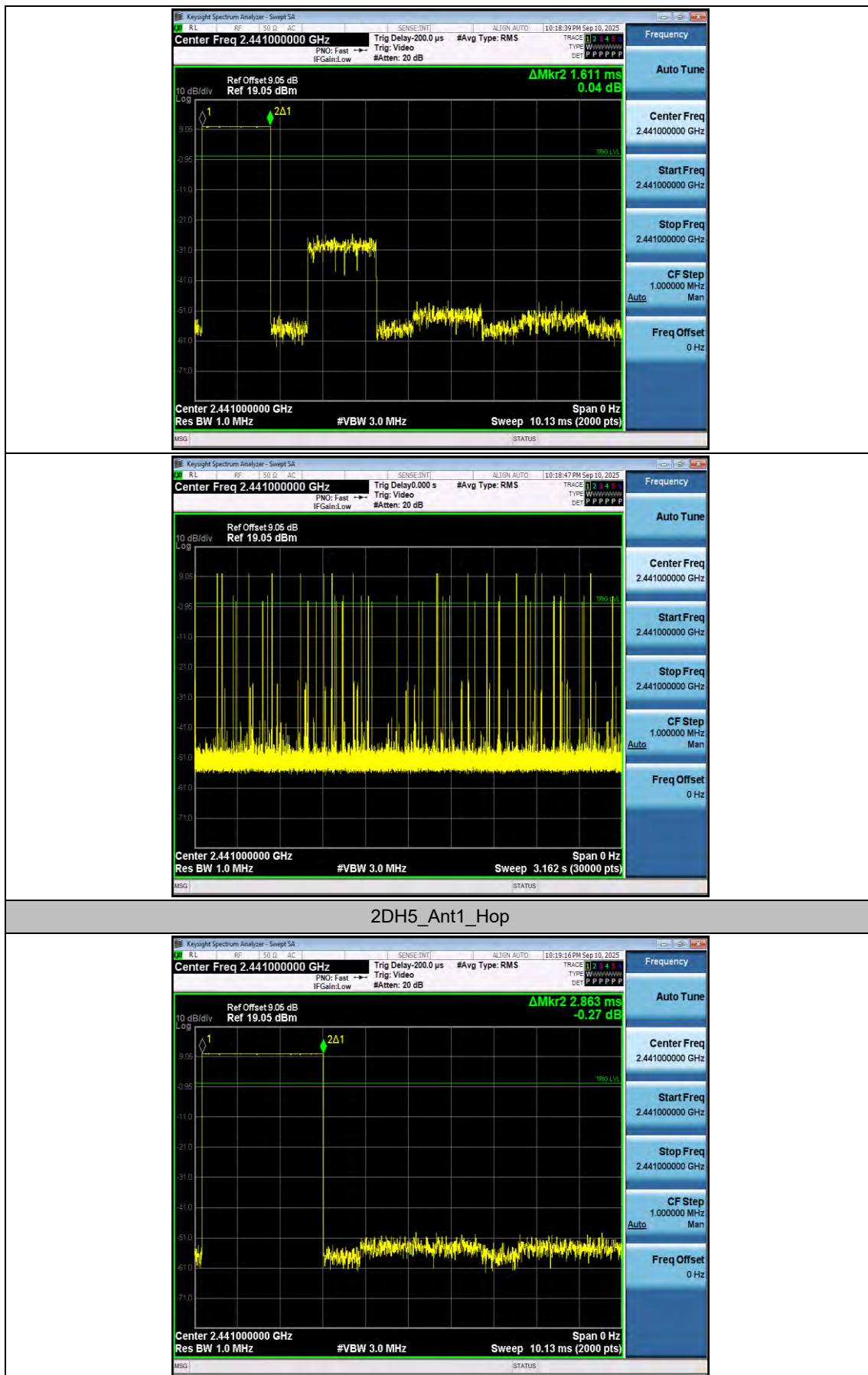


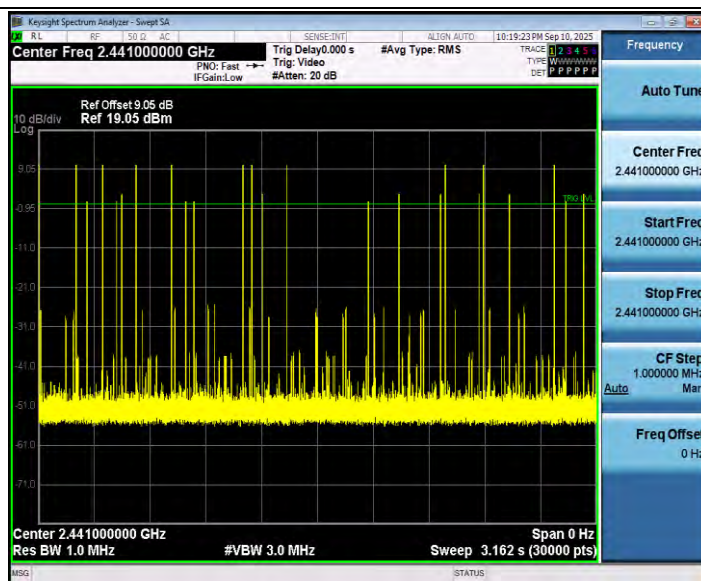


2DH1_Ant1_Hop

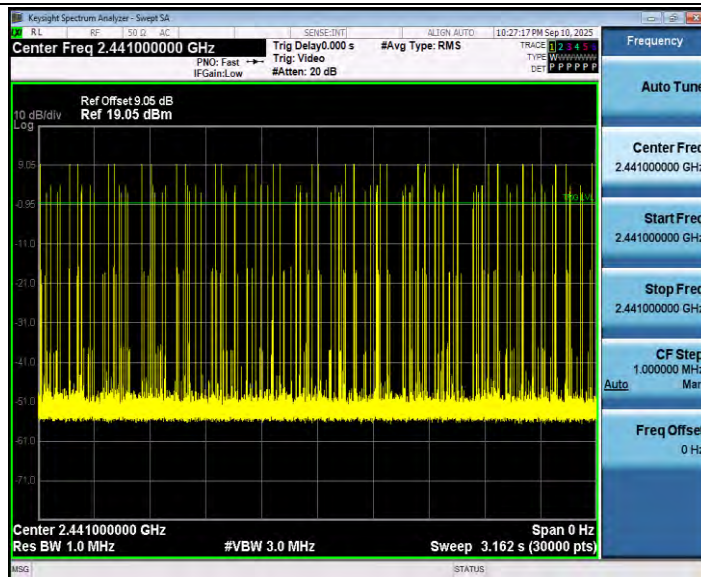
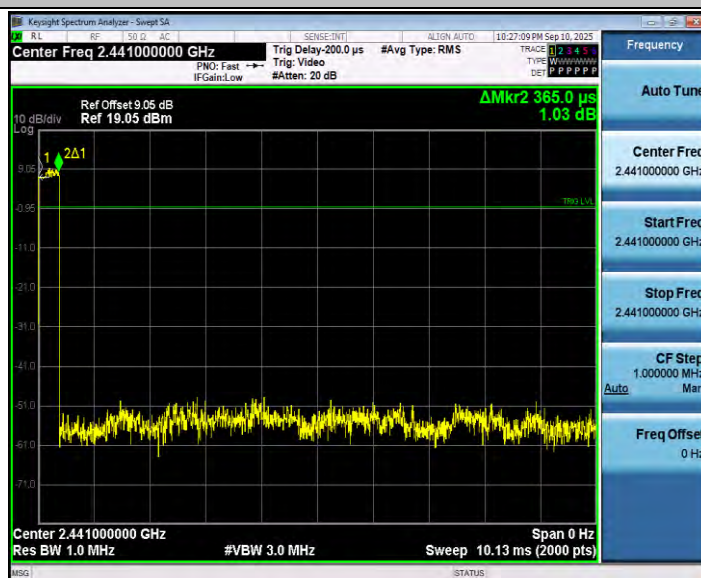


2DH3_Ant1_Hop





3DH1_Ant1_Hop



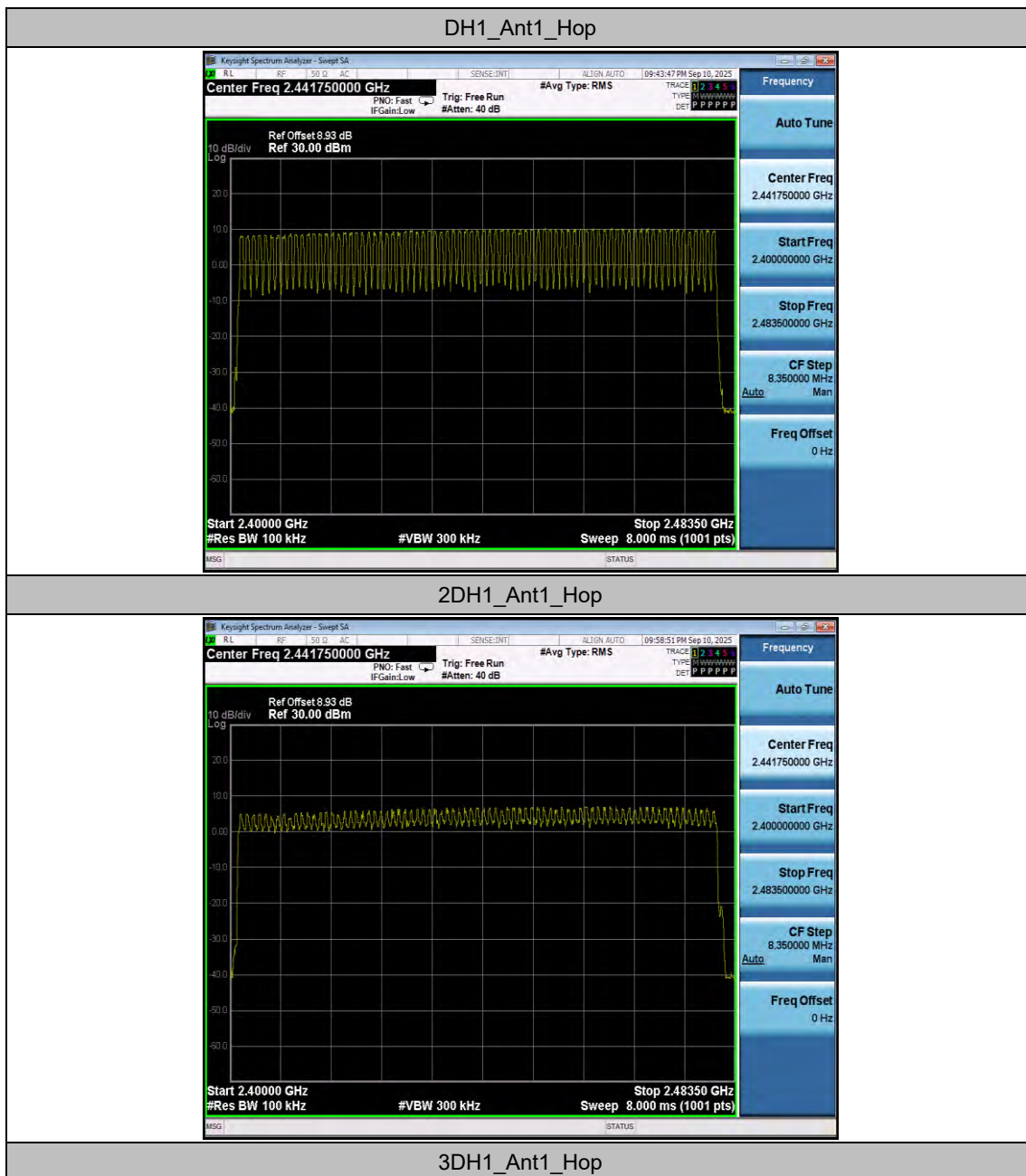
3DH3_Ant1_Hop

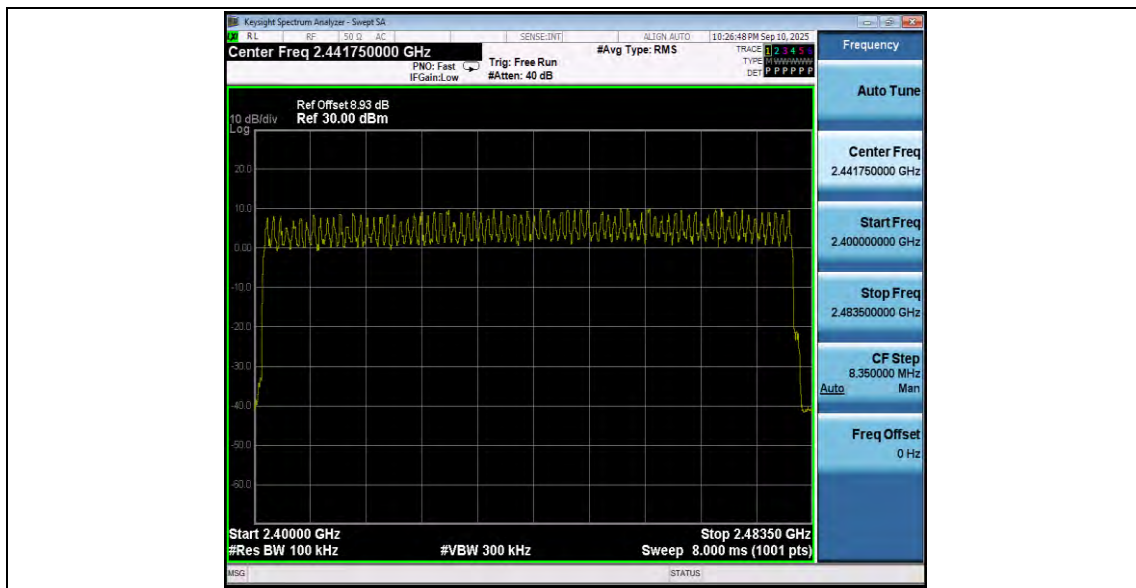


AppendixA.6: Number of hopping channels**Test Result**

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





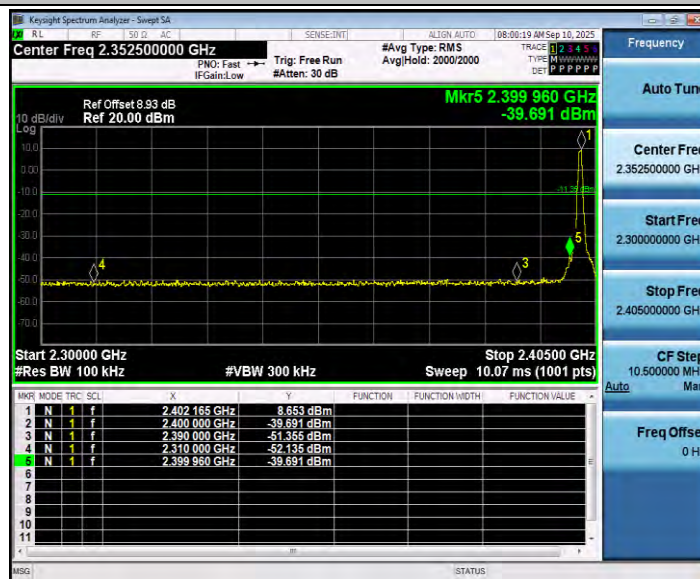
Appendix A.7: Band edge measurements

Test Result

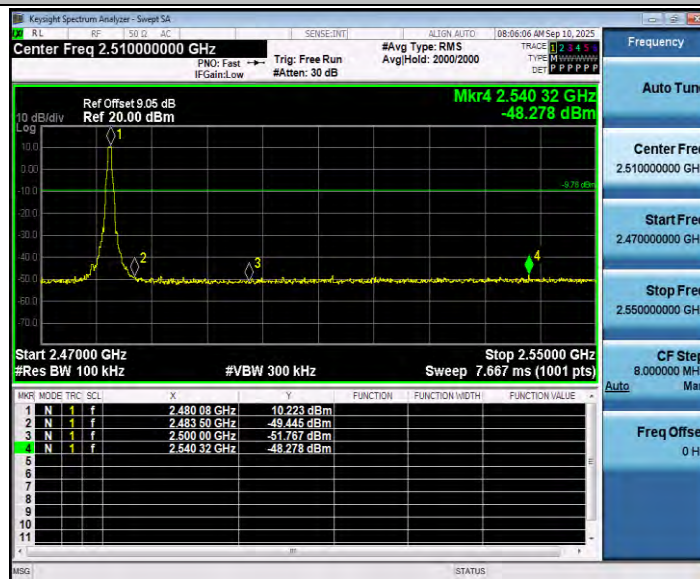
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	8.65	-39.69	≤ -11.35	PASS
		High	2480	10.22	-48.28	≤ -9.78	PASS
		Low	Hop_2402	8.14	-43.36	≤ -11.86	PASS
		High	Hop_2480	10.19	-48.76	≤ -9.81	PASS
2DH1	Ant1	Low	2402	5.23	-42	≤ -14.77	PASS
		High	2480	6.88	-47.85	≤ -13.12	PASS
		Low	Hop_2402	4.41	-46.79	≤ -15.59	PASS
		High	Hop_2480	6.07	-48.6	≤ -13.93	PASS
3DH1	Ant1	Low	2402	5.26	-42.57	≤ -14.74	PASS
		High	2480	6.66	-48.34	≤ -13.34	PASS
		Low	Hop_2402	3.98	-48.57	≤ -16.02	PASS
		High	Hop_2480	7.08	-48.75	≤ -12.92	PASS

Test Graphs

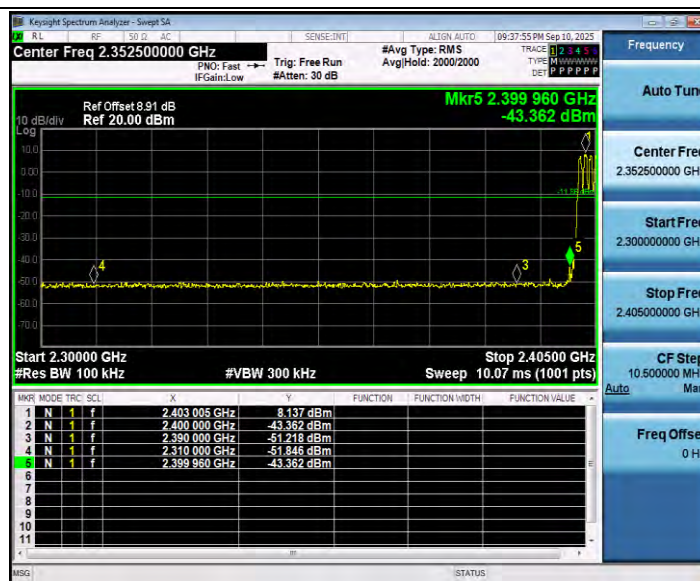
DH1_Ant1_Low_2402



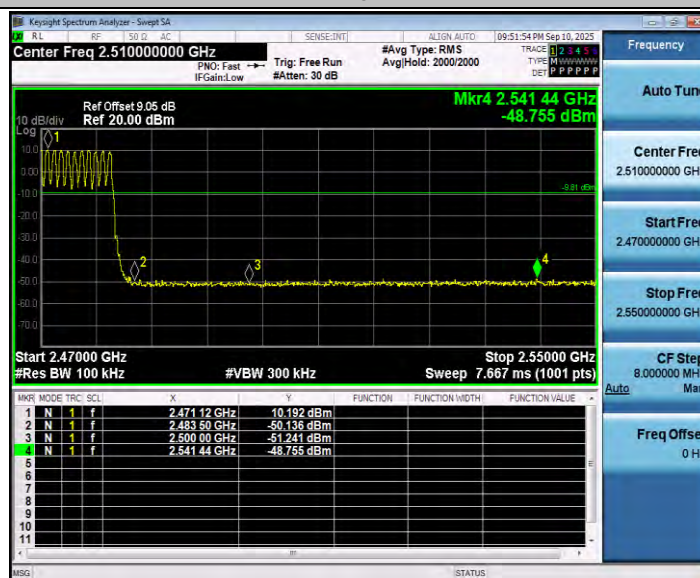
DH1_Ant1_High_2480



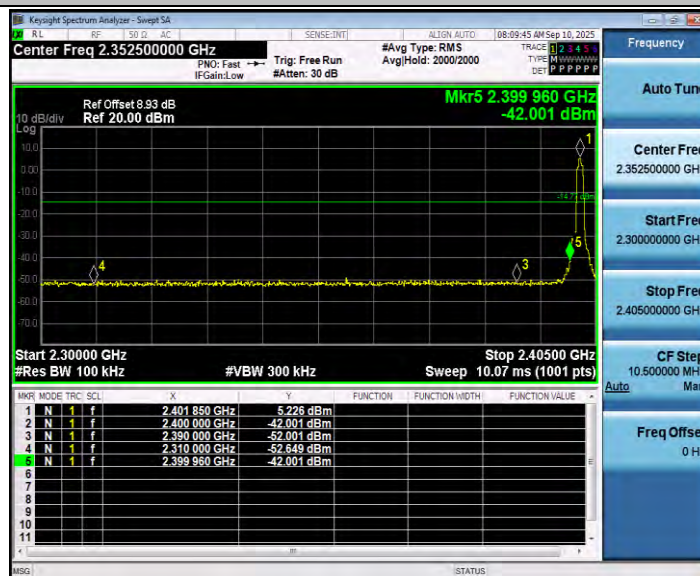
DH1_Ant1_Low_Hop_2402



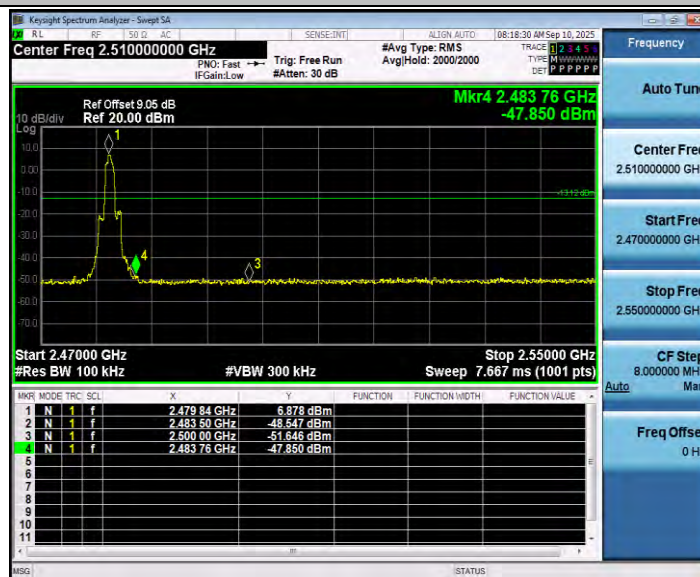
DH1_Ant1_High_Hop_2480



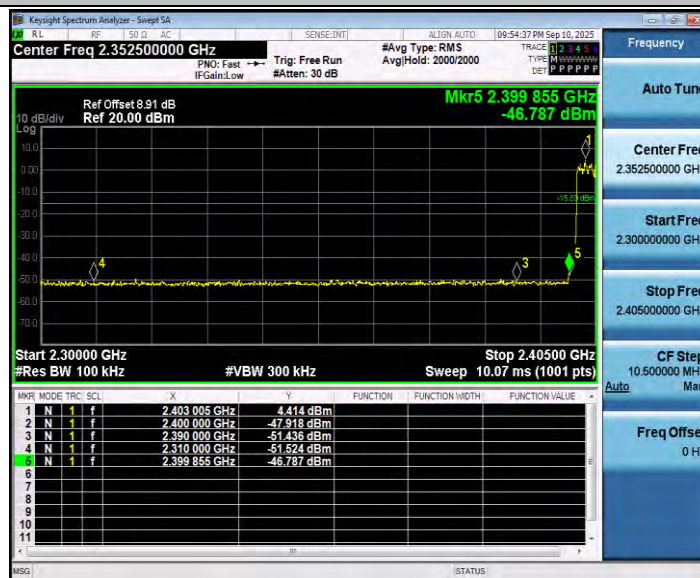
2DH1_Ant1_Low_2402



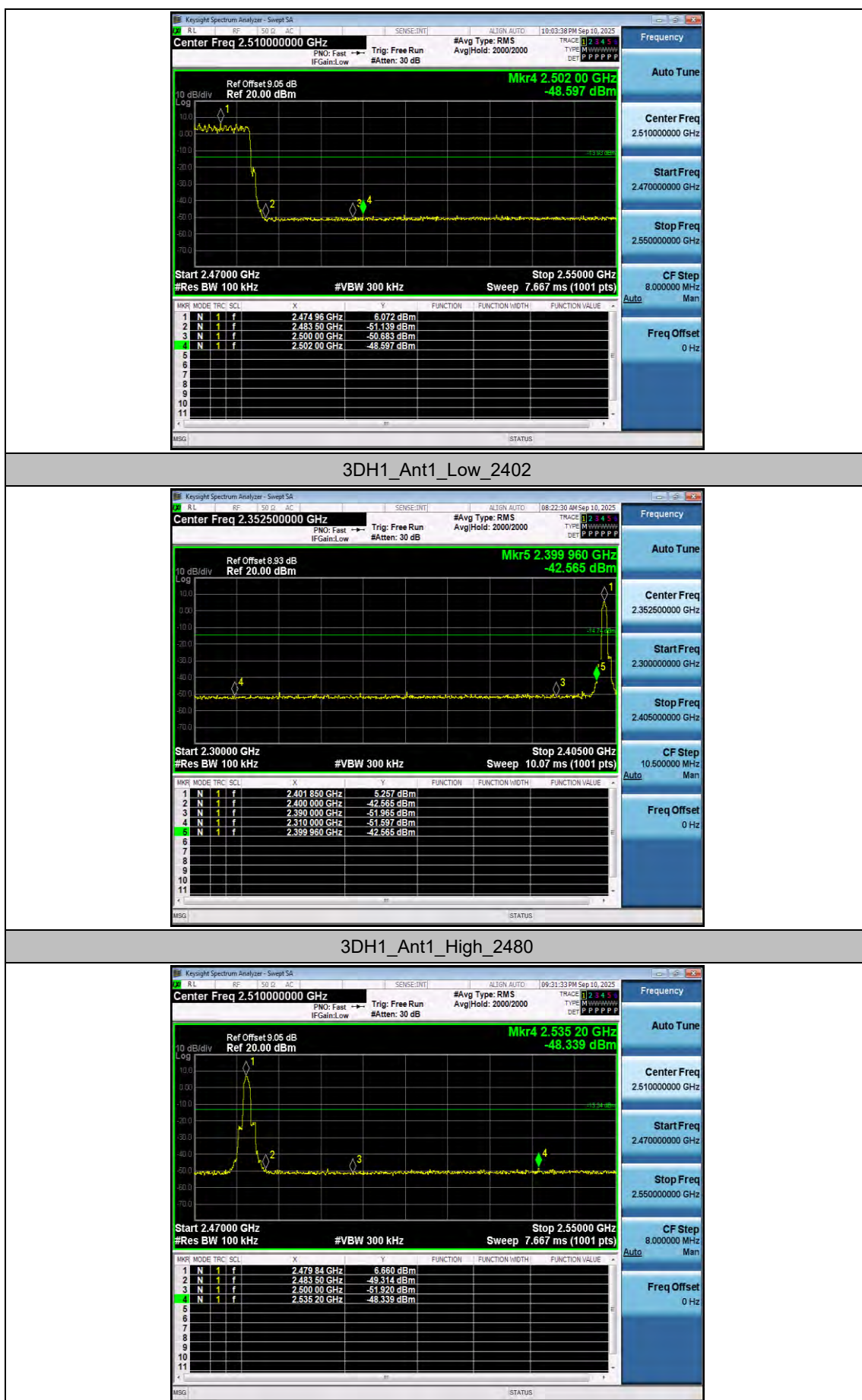
2DH1_Ant1_High_2480



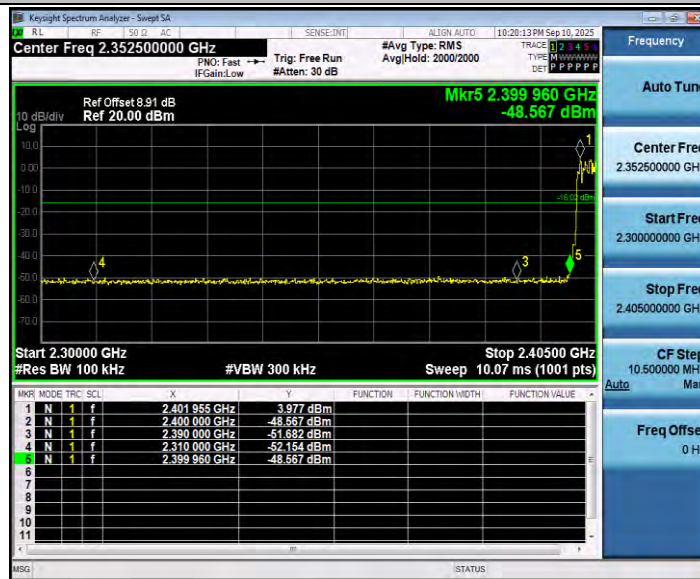
2DH1_Ant1_Low_Hop_2402



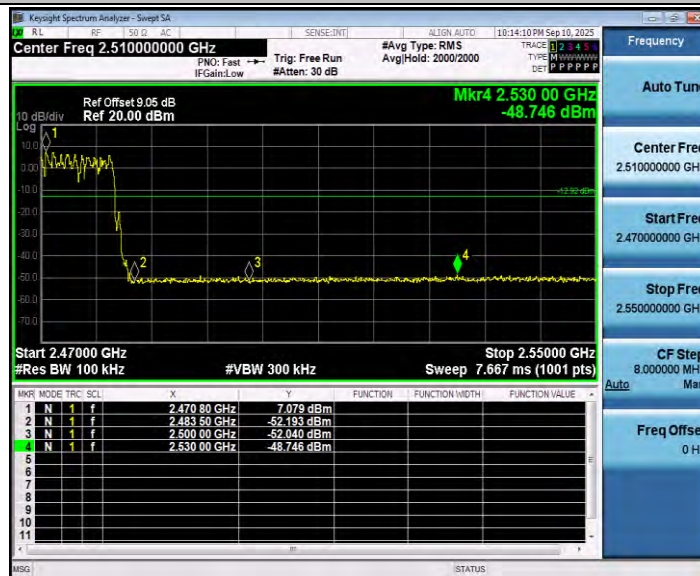
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

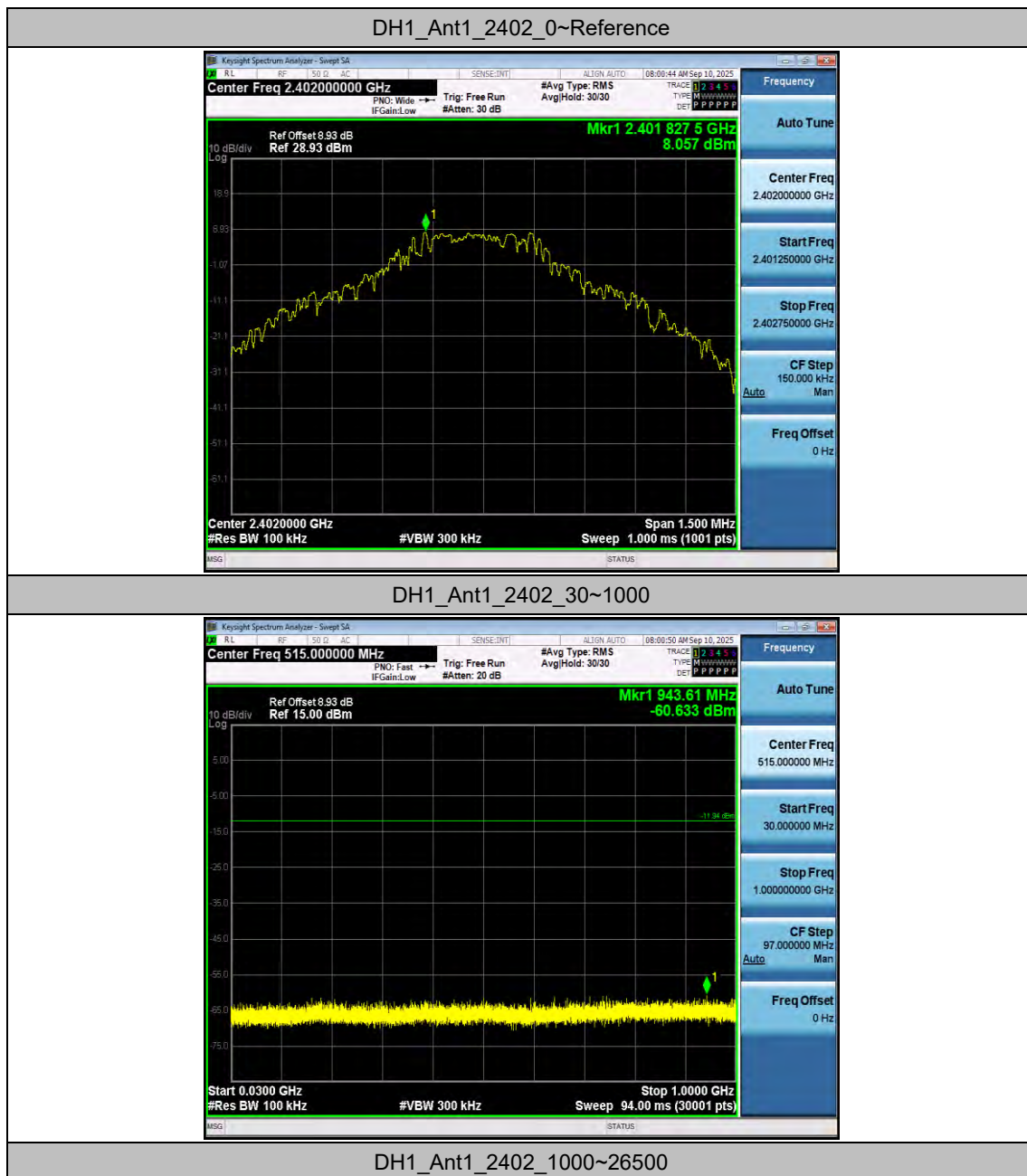


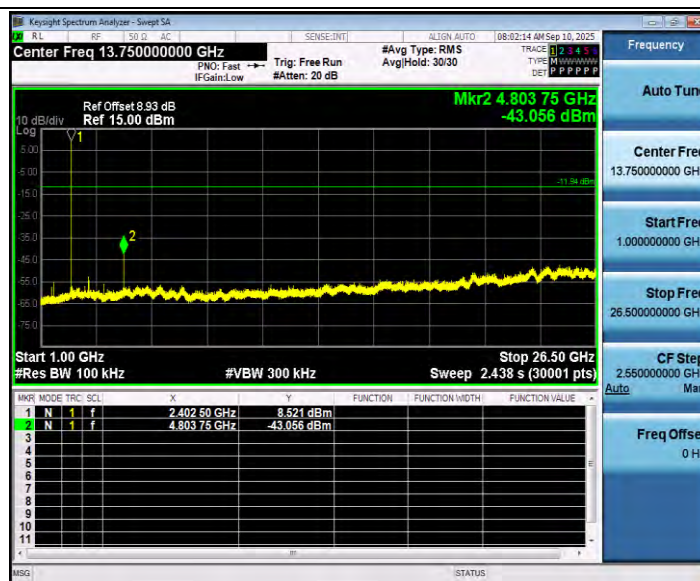
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	8.06	8.06	---	PASS
			30~1000	8.06	-60.63	≤-11.94	PASS
			1000~26500	8.06	-43.06	≤-11.94	PASS
		2441	Reference	10.14	10.14	---	PASS
			30~1000	10.14	-60.35	≤-9.86	PASS
			1000~26500	10.14	-47.52	≤-9.86	PASS
		2480	Reference	9.44	9.44	---	PASS
			30~1000	9.44	-60.54	≤-10.56	PASS
			1000~26500	9.44	-47.41	≤-10.56	PASS
2DH1	Ant1	2402	Reference	4.05	4.05	---	PASS
			30~1000	4.05	-59.89	≤-15.95	PASS
			1000~26500	4.05	-47.51	≤-15.95	PASS
		2441	Reference	6.77	6.77	---	PASS
			30~1000	6.77	-60.86	≤-13.23	PASS
			1000~26500	6.77	-46.68	≤-13.23	PASS
		2480	Reference	6.45	6.45	---	PASS
			30~1000	6.45	-60.36	≤-13.55	PASS
			1000~26500	6.45	-47.58	≤-13.55	PASS
3DH1	Ant1	2402	Reference	4.48	4.48	---	PASS
			30~1000	4.48	-60.85	≤-15.52	PASS
			1000~26500	4.48	-47.89	≤-15.52	PASS
		2441	Reference	6.02	6.02	---	PASS
			30~1000	6.02	-59.98	≤-13.98	PASS
			1000~26500	6.02	-48.02	≤-13.98	PASS
		2480	Reference	6.50	6.50	---	PASS
			30~1000	6.50	-60.79	≤-13.5	PASS
			1000~26500	6.50	-47.31	≤-13.5	PASS

Test Graphs

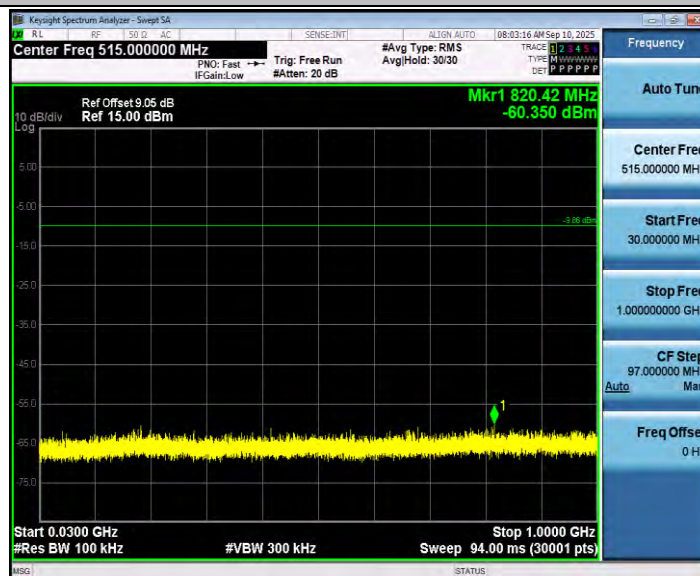




DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



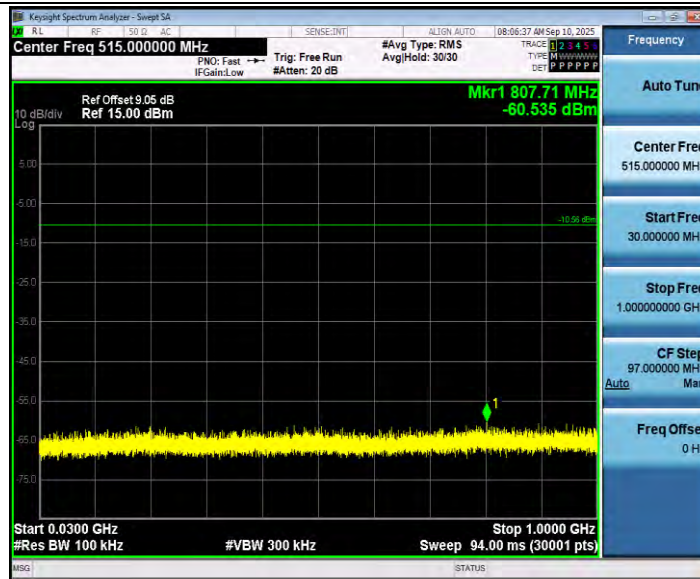
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

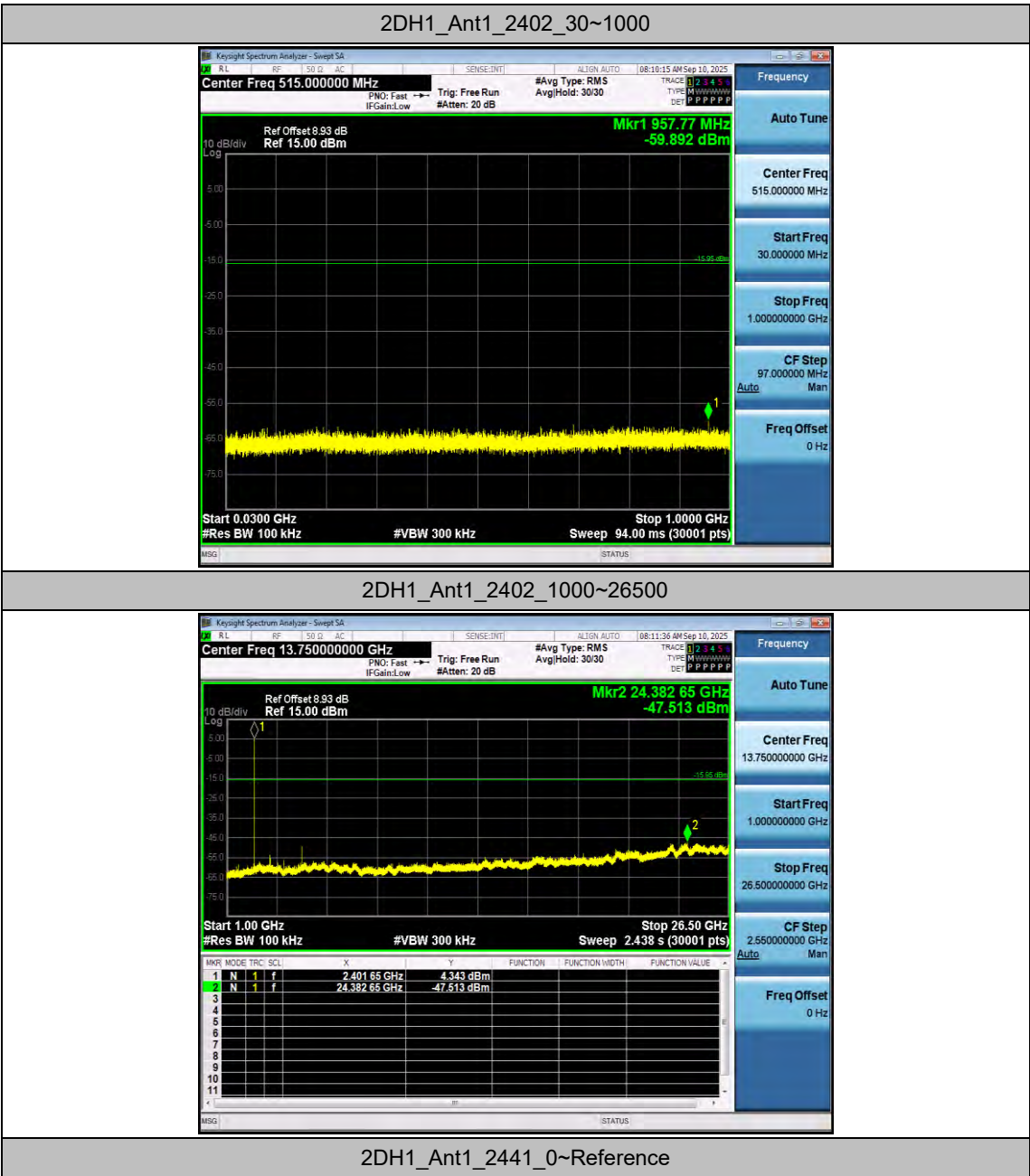


DH1_Ant1_2480_1000~26500



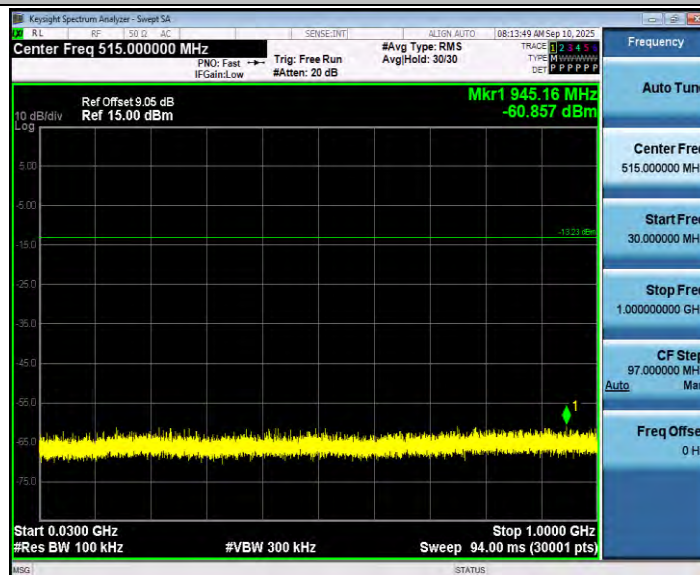
2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



2DH1_Ant1_2441_1000~26500



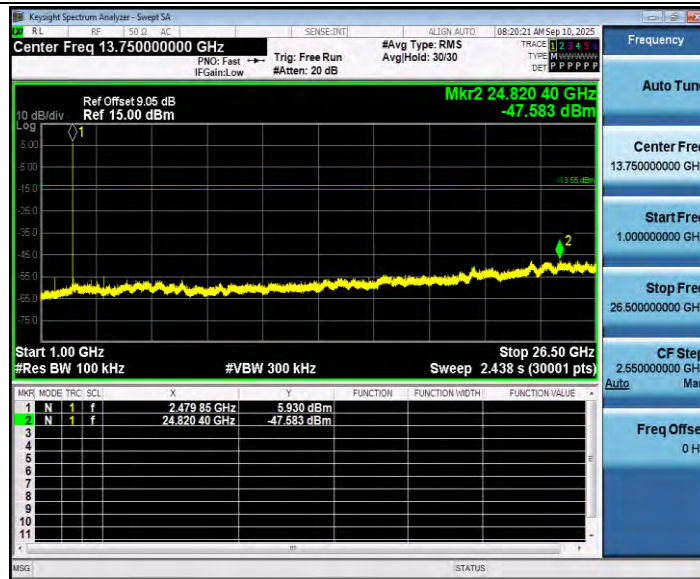
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



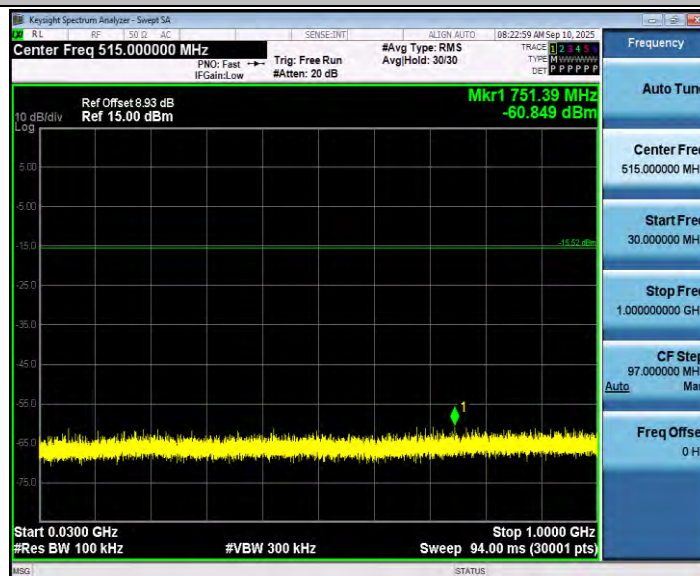
2DH1_Ant1_2480_1000~26500



3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



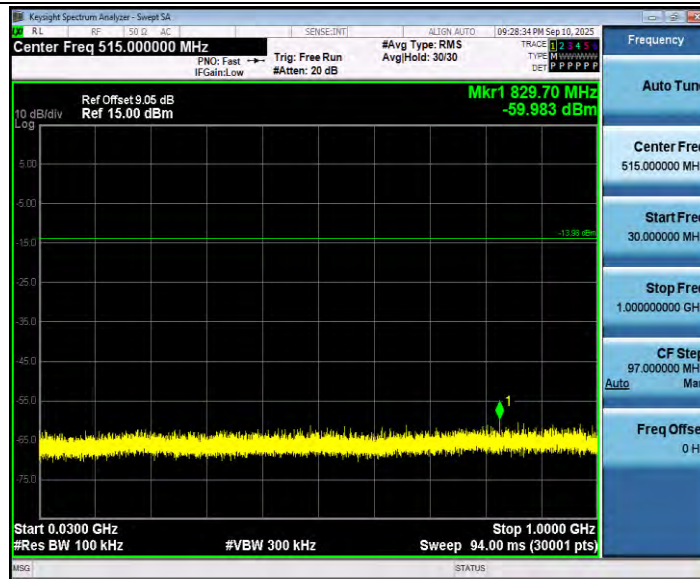
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

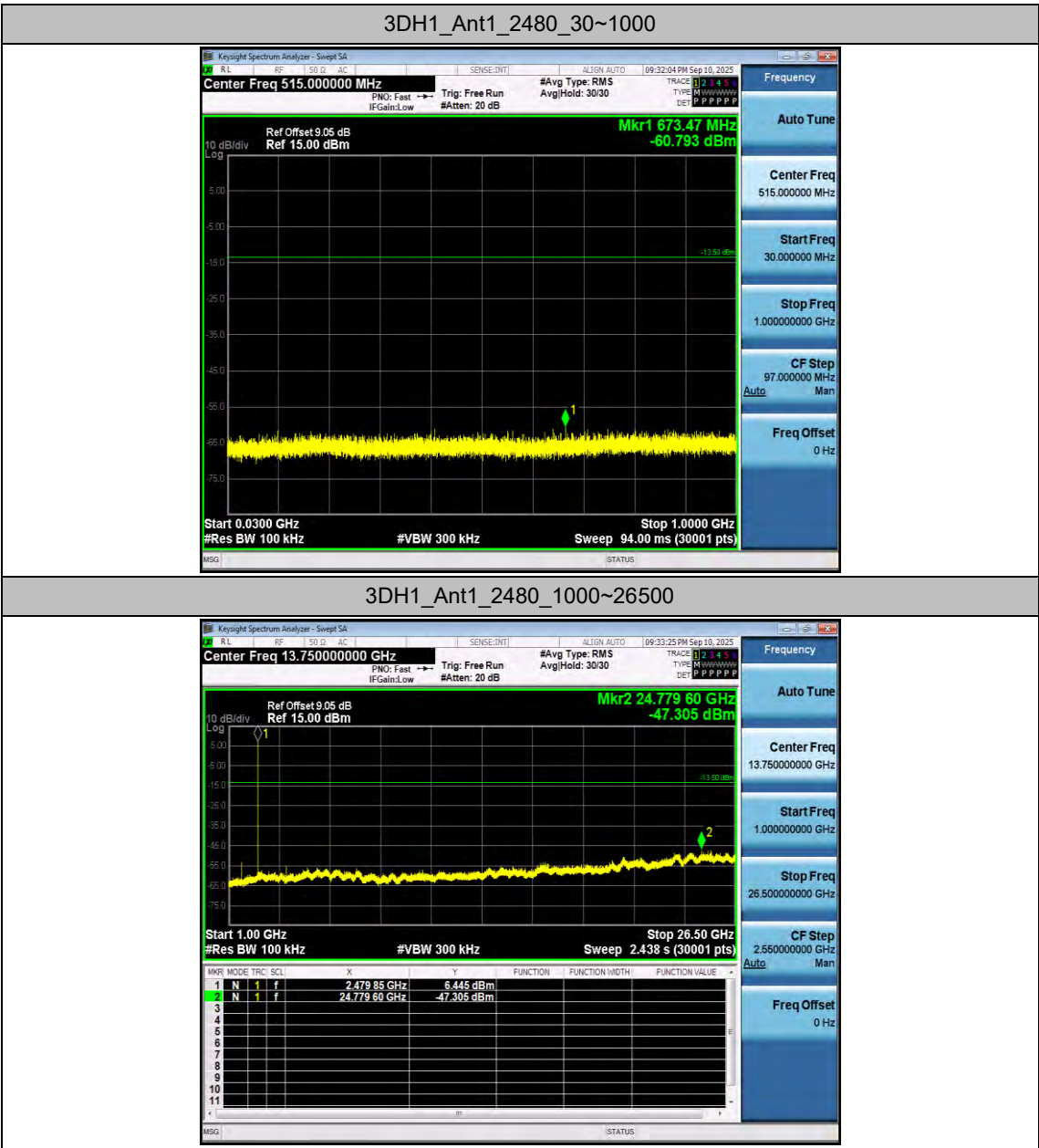


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

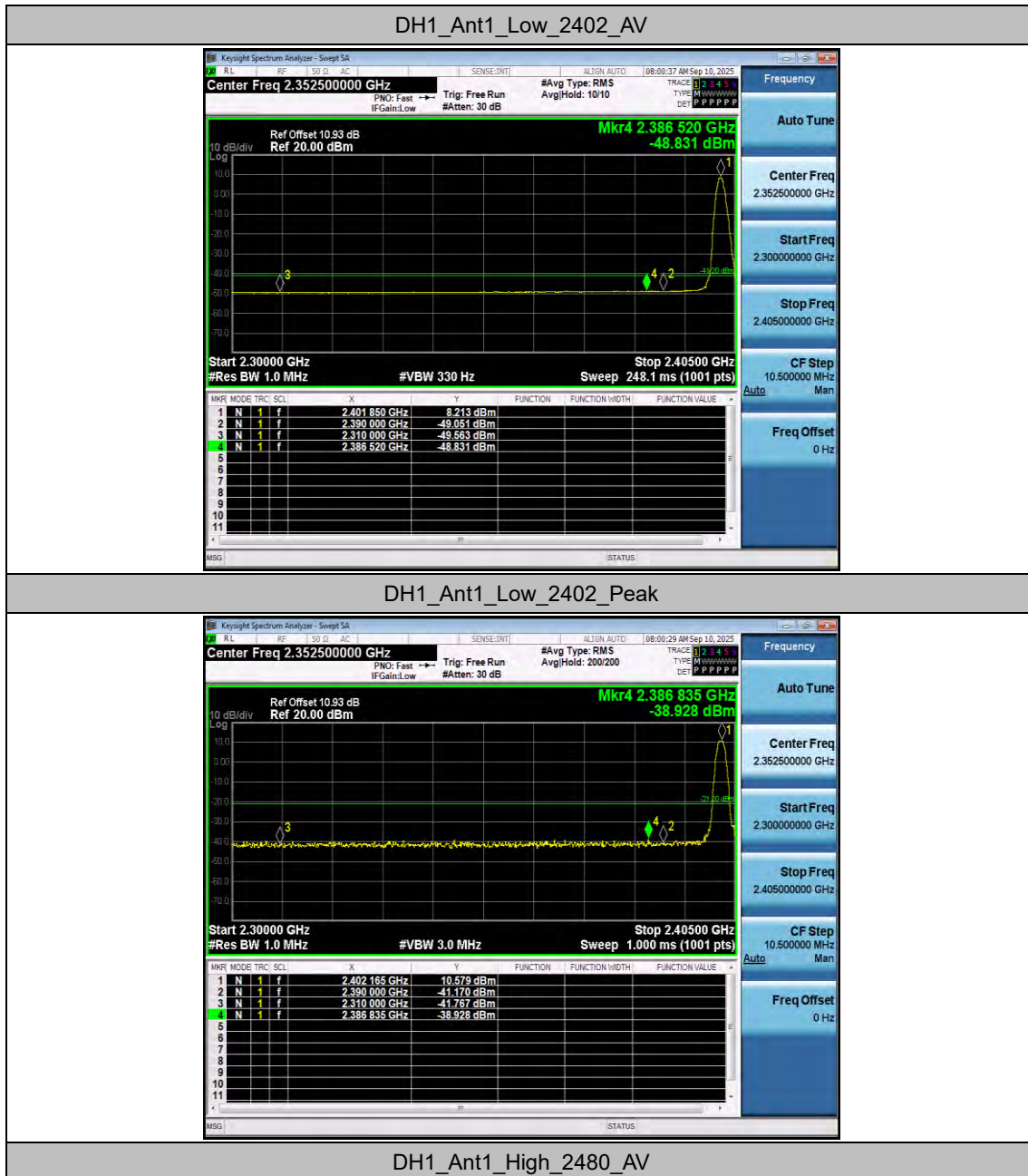
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.56	≤-41.20	45.64	≤54	PASS
				AV	2386.520	-48.83	≤-41.20	46.37	≤54	PASS
				AV	2390.000	-49.05	≤-41.20	46.15	≤54	PASS
				Peak	2310.000	-41.77	≤-21.20	53.43	≤74	PASS
				Peak	2386.835	-38.93	≤-21.20	56.27	≤74	PASS
				Peak	2390.000	-41.17	≤-21.20	54.03	≤74	PASS
		High	2480	AV	2483.500	-46.55	≤-41.20	48.65	≤54	PASS
				AV	2483.520	-46.55	≤-41.20	48.65	≤54	PASS
				AV	2500.000	-48.54	≤-41.20	46.66	≤54	PASS
				Peak	2483.500	-39.68	≤-21.20	55.52	≤74	PASS
				Peak	2487.600	-37.37	≤-21.20	57.83	≤74	PASS
				Peak	2500.000	-40.65	≤-21.20	54.55	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.54	≤-41.20	45.66	≤54	PASS
				AV	2388.830	-48.93	≤-41.20	46.27	≤54	PASS
				AV	2390.000	-49.25	≤-41.20	45.95	≤54	PASS
				Peak	2310.000	-42.52	≤-21.20	52.68	≤74	PASS
				Peak	2363.840	-38.63	≤-21.20	56.57	≤74	PASS
				Peak	2390.000	-42.02	≤-21.20	53.18	≤74	PASS
		High	2480	AV	2483.500	-45.94	≤-41.20	49.26	≤54	PASS
				AV	2483.520	-45.94	≤-41.20	49.26	≤54	PASS
				AV	2500.000	-48.52	≤-41.20	46.68	≤54	PASS
				Peak	2483.500	-38.79	≤-21.20	56.41	≤74	PASS
				Peak	2483.680	-36.08	≤-21.20	59.12	≤74	PASS
				Peak	2500.000	-40.45	≤-21.20	54.75	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.45	≤-41.20	45.75	≤54	PASS
				AV	2375.390	-48.97	≤-41.20	46.23	≤54	PASS
				AV	2390.000	-49.2	≤-41.20	46.00	≤54	PASS
				Peak	2310.000	-42.11	≤-21.20	53.09	≤74	PASS
				Peak	2385.050	-37.79	≤-21.20	57.41	≤74	PASS
				Peak	2390.000	-41.08	≤-21.20	54.12	≤74	PASS
		High	2480	AV	2483.500	-46.81	≤-41.20	48.39	≤54	PASS
				AV	2483.520	-46.81	≤-41.20	48.39	≤54	PASS
				AV	2500.000	-48.79	≤-41.20	46.41	≤54	PASS
				Peak	2483.500	-39.88	≤-21.20	55.32	≤74	PASS
				Peak	2496.880	-38.36	≤-21.20	56.84	≤74	PASS

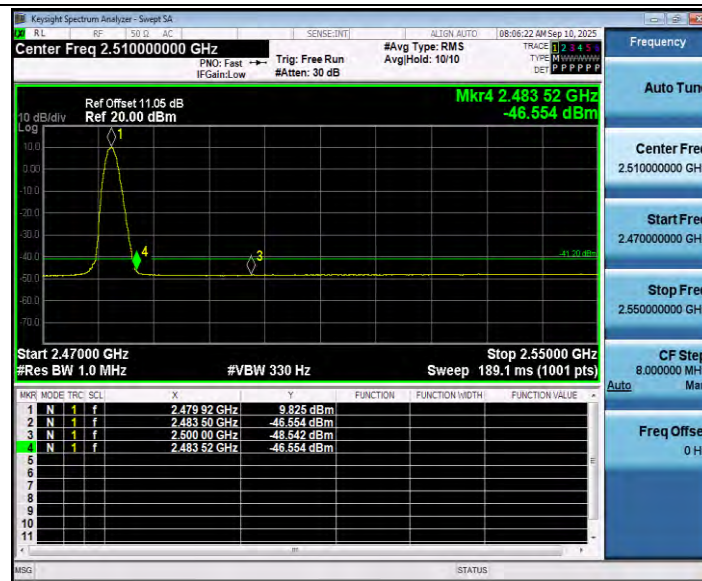
				Peak	2500.000	-40.97	≤-21.20	54.23	≤74	PASS
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Note:

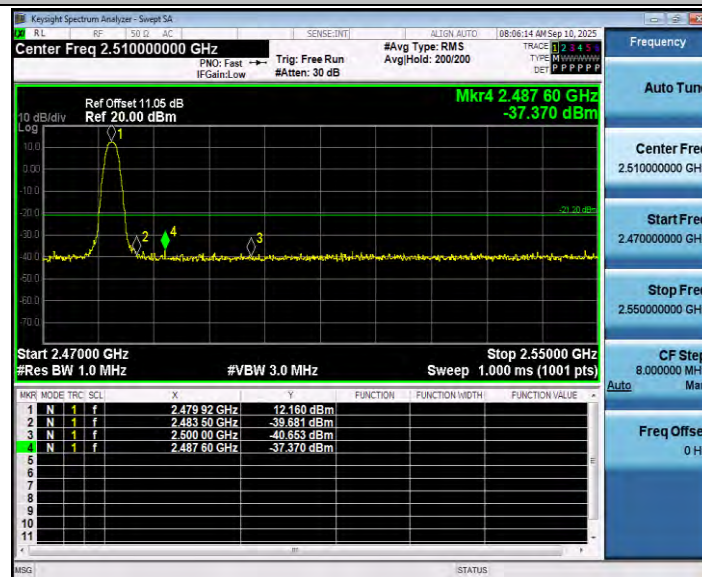
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

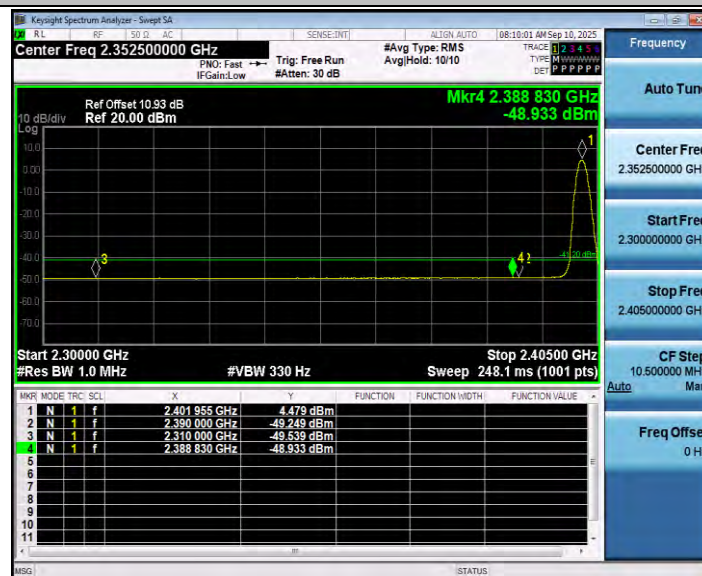




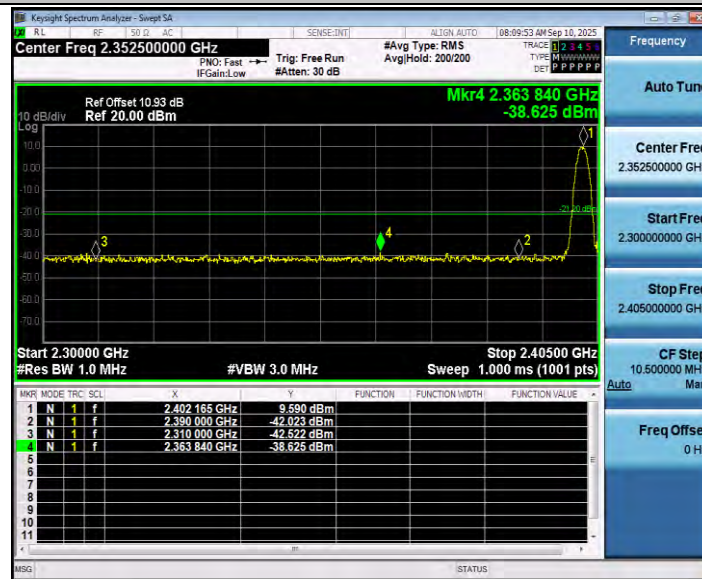
DH1_Ant1_High_2480_Peak



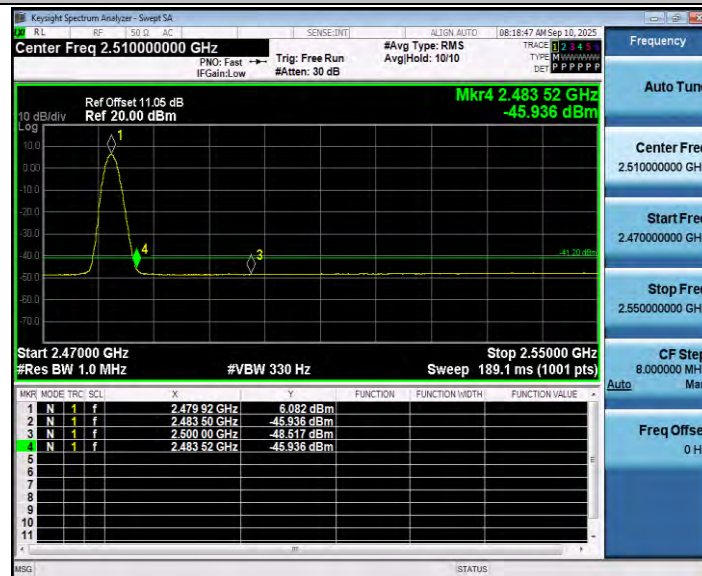
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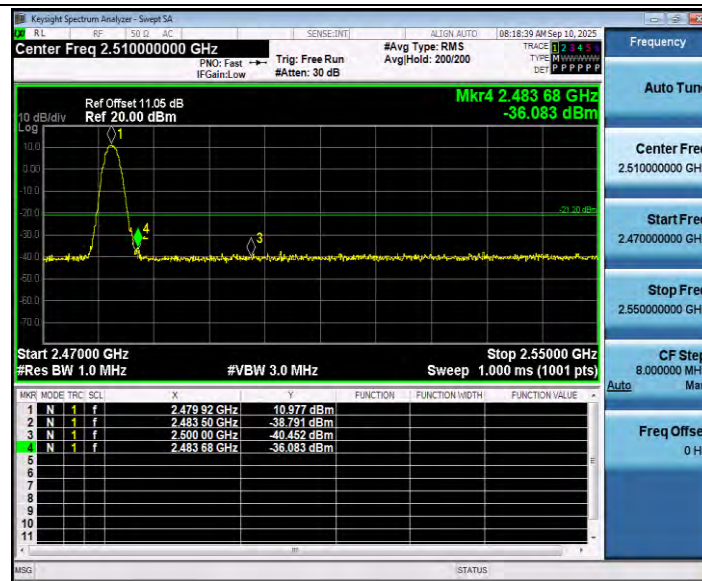
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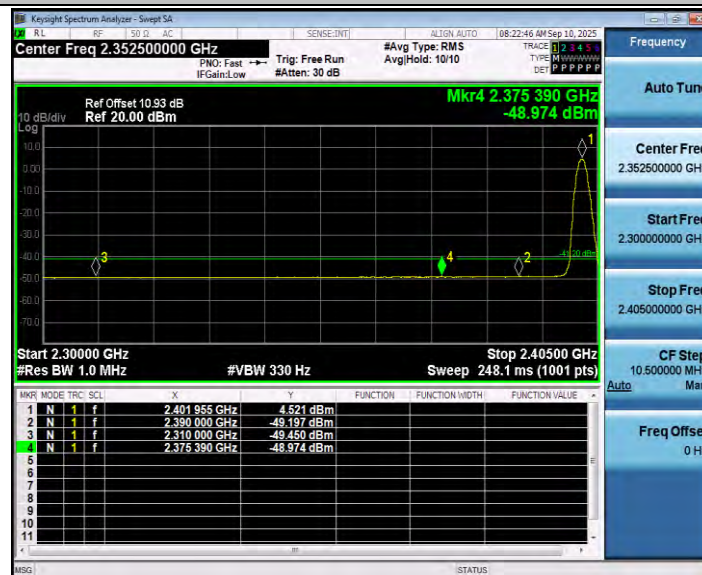
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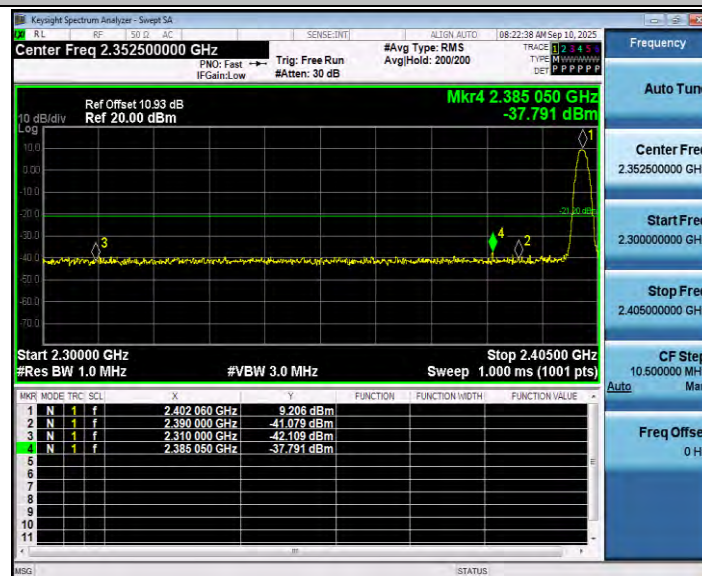
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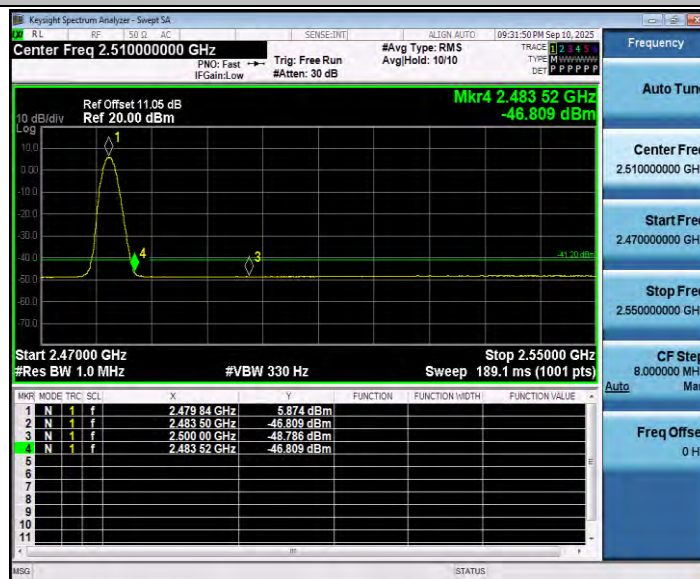
3DH1_Ant1_Low_2402_AV



3DH1_Ant1_Low_2402_Peak



3DH1_Ant1_High_2480_AV



3DH1_Ant1_High_2480_Peak

