

Case No. : <u>GTS20260604026-1-01</u>
Ambient Condition: <u>24</u> °C, <u>56</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.6.25-2026.7.22</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	Ant2	2402	0.786	2401.610	2402.396	---	---
		2441	0.786	2440.604	2441.390	---	---
		2480	0.789	2479.607	2480.396	---	---
2DH1	Ant2	2402	1.224	2401.367	2402.591	---	---
		2441	1.224	2440.382	2441.606	---	---
		2480	1.230	2479.364	2480.594	---	---
3DH1	Ant2	2402	1.221	2401.400	2402.621	---	---
		2441	1.221	2440.400	2441.621	---	---
		2480	1.221	2479.397	2480.618	---	---

Test Graphs

DH1_Ant2_2402



DH1_Ant2_2441



DH1_Ant2_2480



2DH1_Ant2_2402



2DH1_Ant2_2441



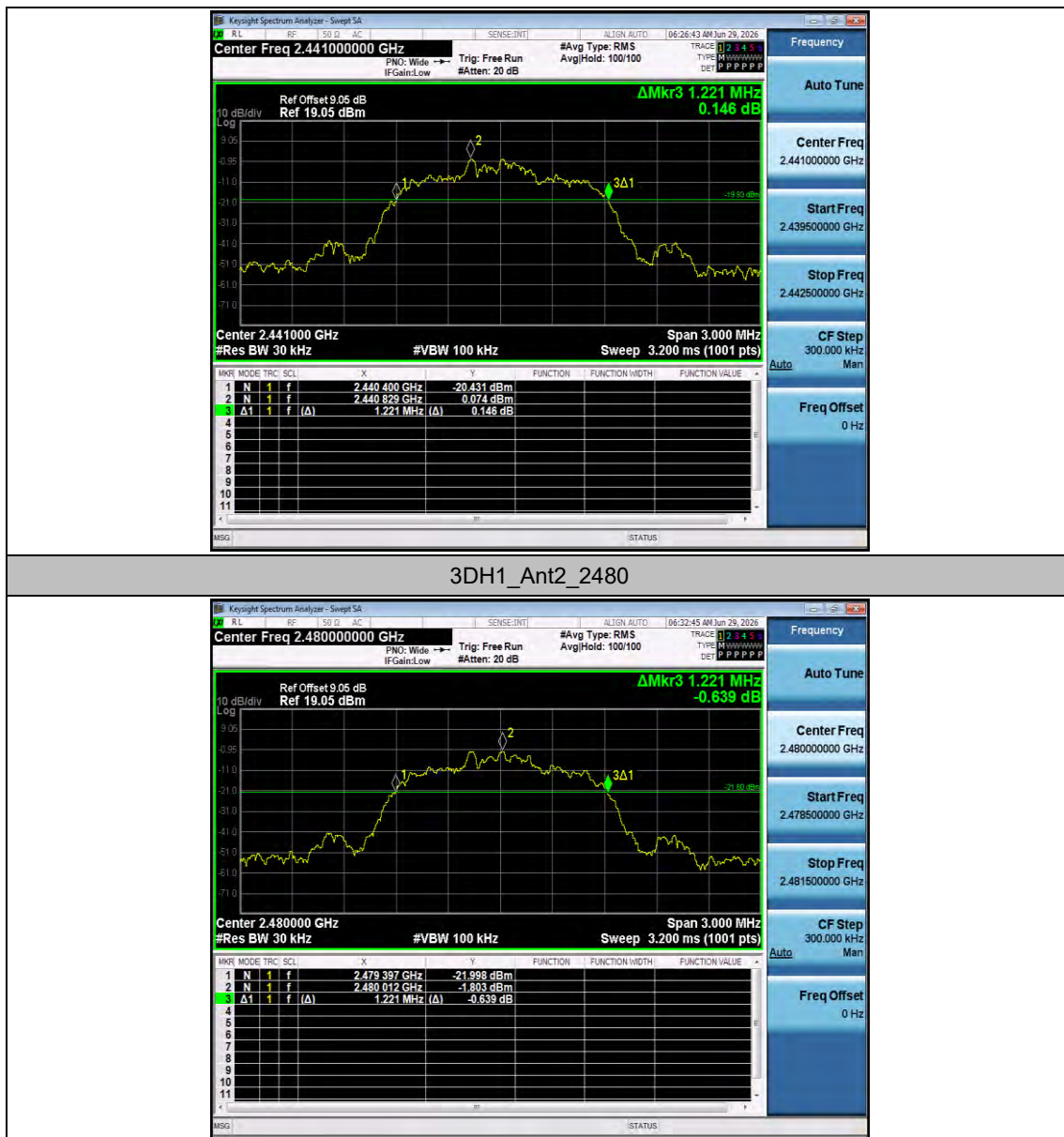
2DH1_Ant2_2480



3DH1_Ant2_2402



3DH1_Ant2_2441



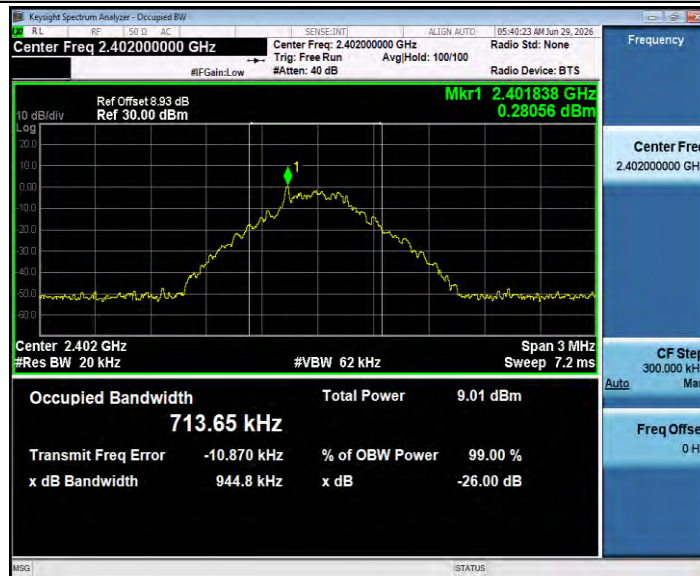
AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant2	2402	0.71365	2401.6323	2402.3460	---	---
		2441	0.71008	2440.6316	2441.3416	---	---
		2480	0.71441	2479.6306	2480.3450	---	---
2DH1	Ant2	2402	1.1299	2401.4321	2402.5620	---	---
		2441	1.1329	2440.4272	2441.5601	---	---
		2480	1.1375	2479.4264	2480.5639	---	---
3DH1	Ant2	2402	1.1281	2401.4383	2402.5664	---	---
		2441	1.1296	2440.4389	2441.5685	---	---
		2480	1.1269	2479.4419	2480.5688	---	---

Test Graphs

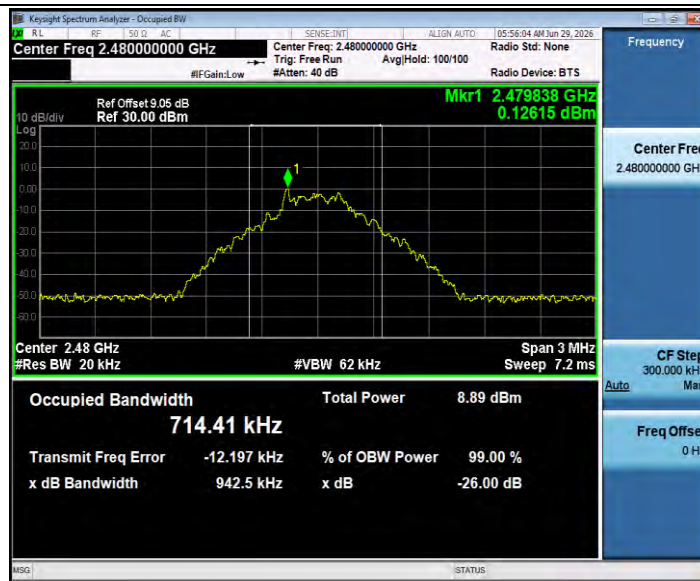
DH1_Ant2_2402



DH1_Ant2_2441



DH1_Ant2_2480



2DH1_Ant2_2402



2DH1_Ant2_2441



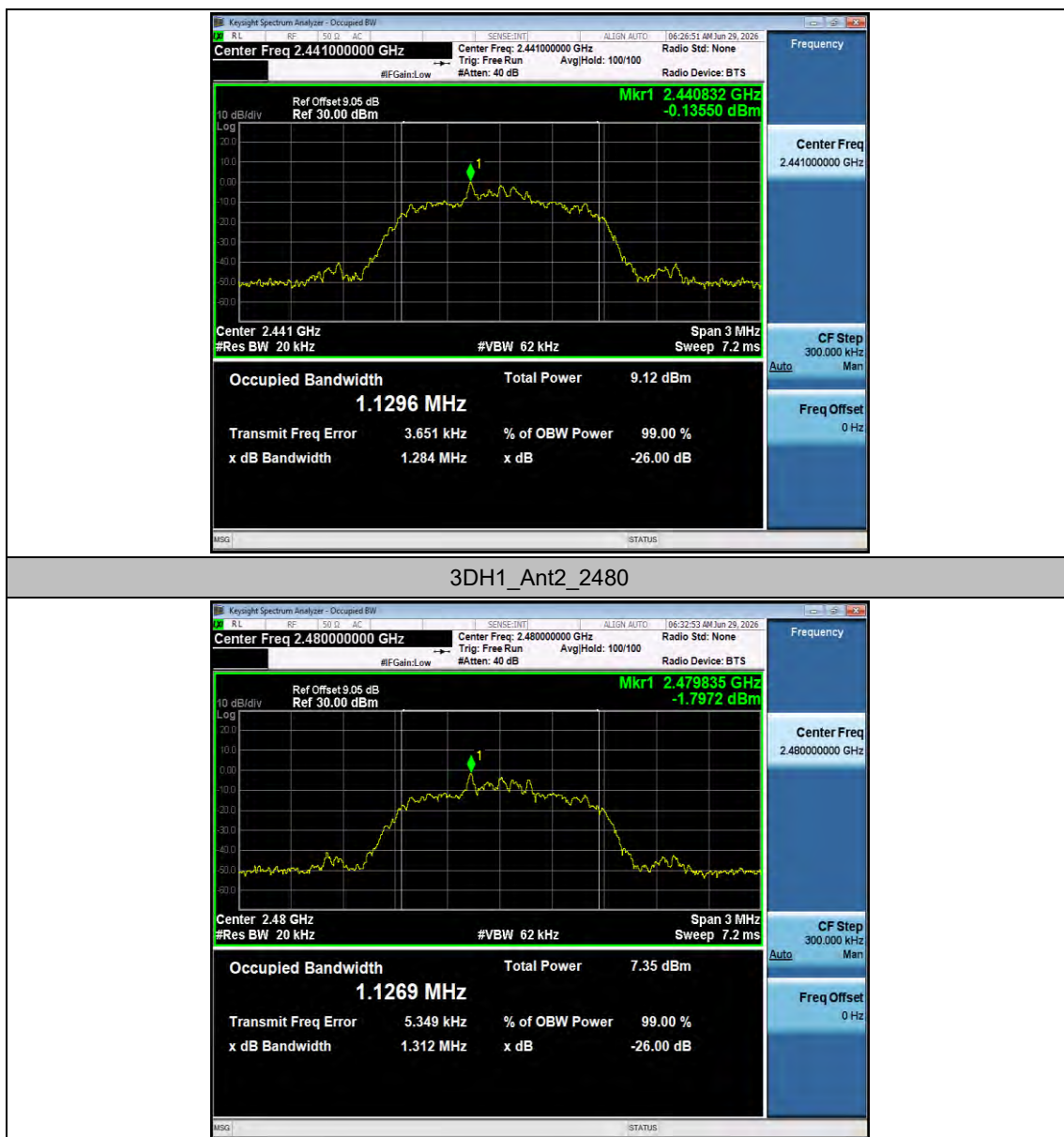
2DH1_Ant2_2480



3DH1_Ant2_2402



3DH1_Ant2_2441



AppendixA.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant2	2402	4.27	≤20.97	PASS
		2441	4.98	≤20.97	PASS
		2480	4.19	≤20.97	PASS
2DH1	Ant2	2402	3.37	≤20.97	PASS
		2441	4.16	≤20.97	PASS
		2480	3.35	≤20.97	PASS
3DH1	Ant2	2402	3.39	≤20.97	PASS
		2441	4.15	≤20.97	PASS
		2480	3.39	≤20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant2	Hop_2402	0.996	≥ 0.789	PASS
		Hop_2441	1	≥ 0.789	PASS
		Hop_2480	0.85	≥ 0.789	PASS
2DH1	Ant2	Hop_2402	0.994	≥ 0.820	PASS
		Hop_2441	1.008	≥ 0.820	PASS
		Hop_2480	0.994	≥ 0.820	PASS
3DH1	Ant2	Hop_2402	1.01	≥ 0.814	PASS
		Hop_2441	1	≥ 0.814	PASS
		Hop_2480	1	≥ 0.814	PASS

Test Graphs

DH1_Ant2_Hop_2402



DH1_Ant2_Hop_2441



DH1_Ant2_Hop_2480



2DH1_Ant2_Hop_2402



2DH1_Ant2_Hop_2441



2DH1_Ant2_Hop_2480



3DH1_Ant2_Hop_2402



3DH1_Ant2_Hop_2441

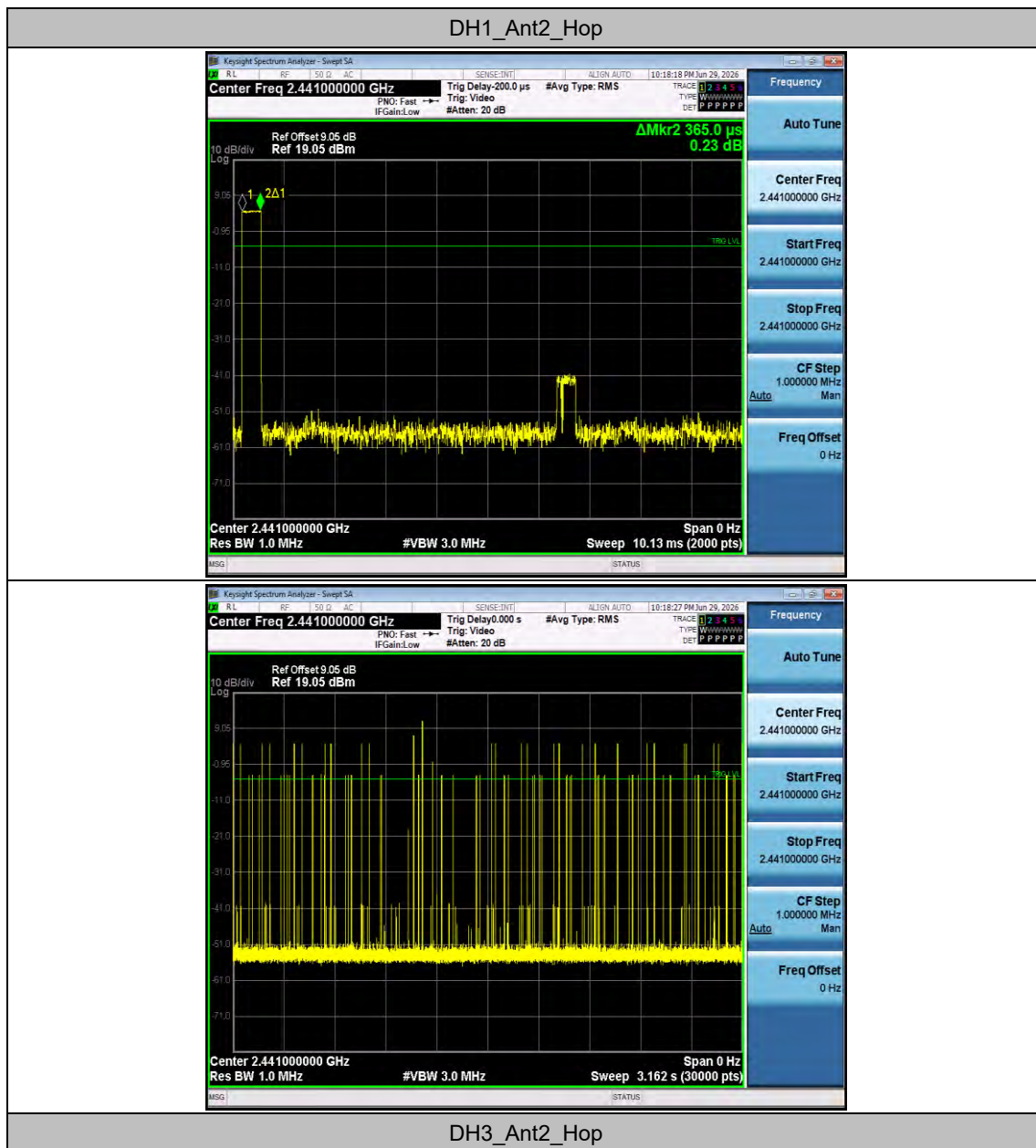


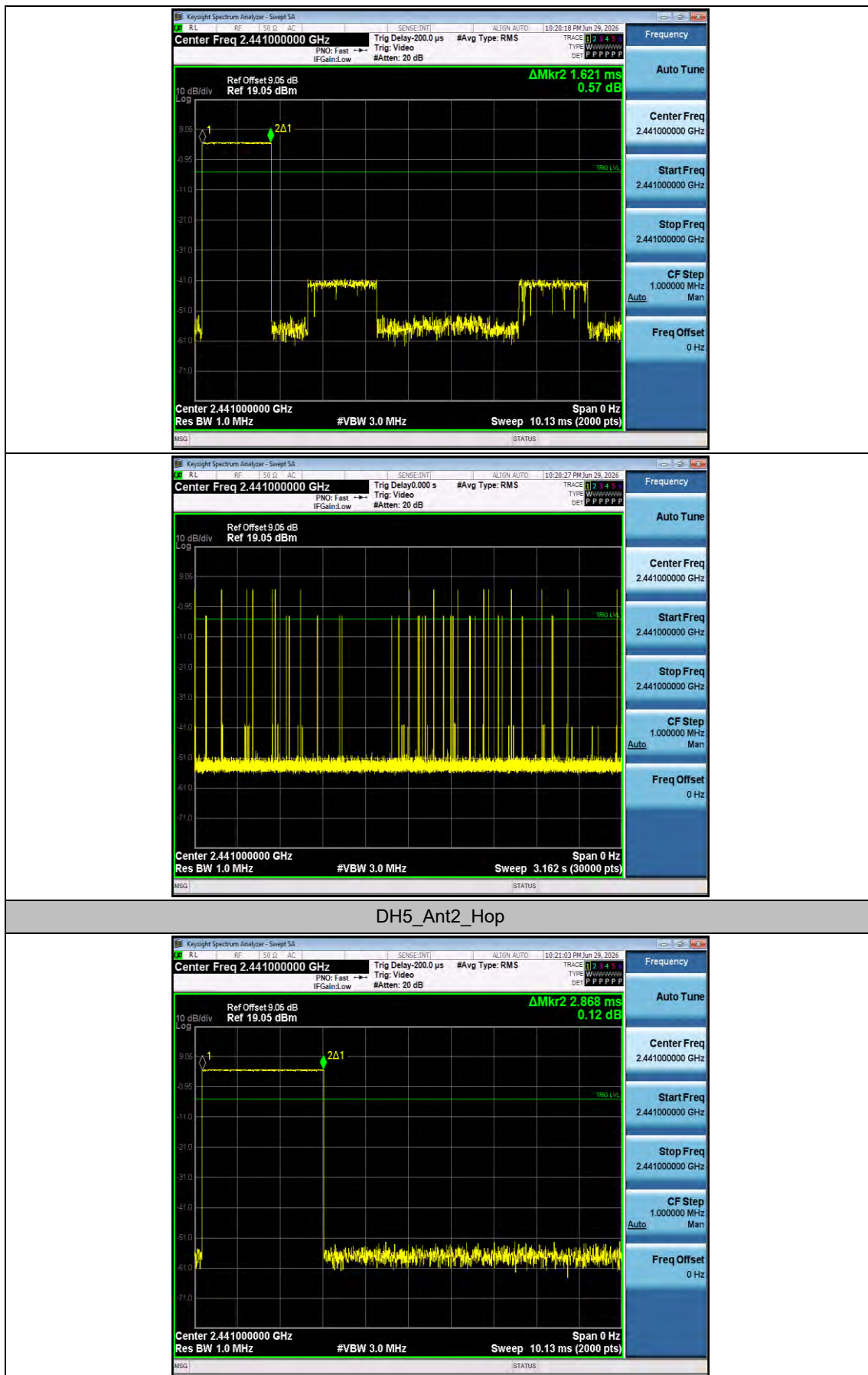
AppendixA.5: Time of occupancy

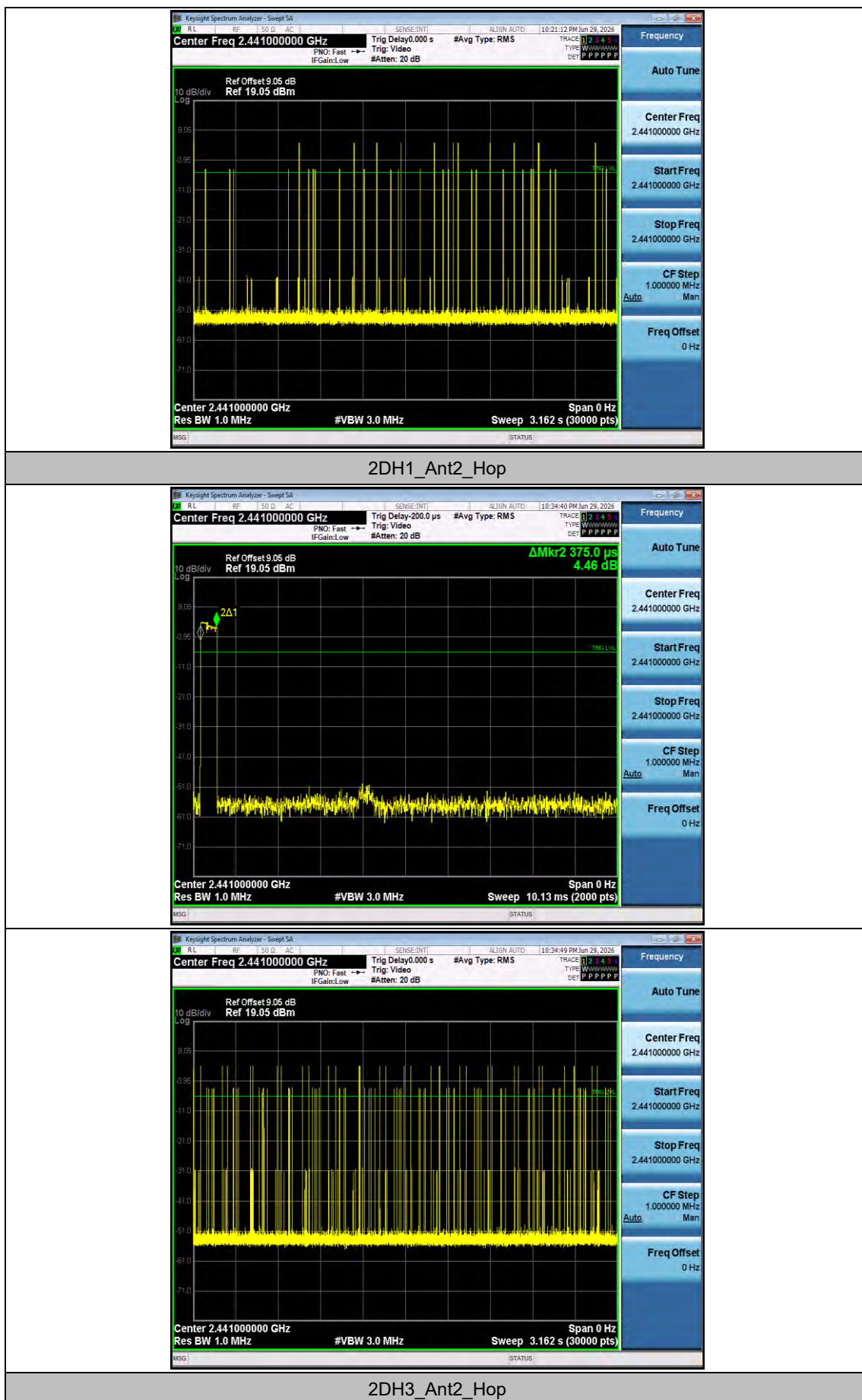
Test Result

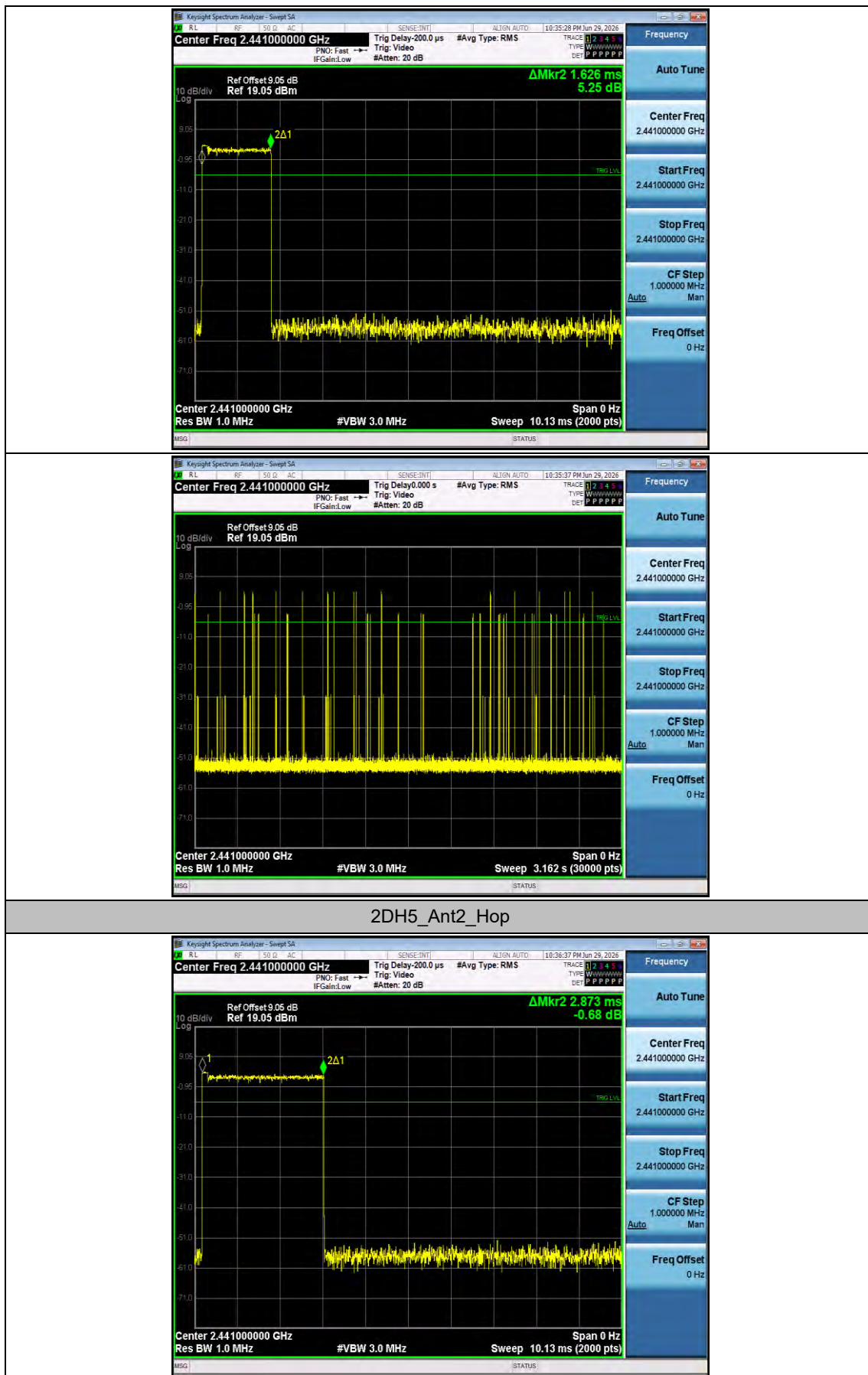
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant2	Hop	0.365	280	0.102	≤0.4	PASS
DH3	Ant2	Hop	1.621	160	0.259	≤0.4	PASS
DH5	Ant2	Hop	2.868	130	0.373	≤0.4	PASS
2DH1	Ant2	Hop	0.375	320	0.12	≤0.4	PASS
2DH3	Ant2	Hop	1.626	170	0.276	≤0.4	PASS
2DH5	Ant2	Hop	2.873	110	0.316	≤0.4	PASS
3DH1	Ant2	Hop	0.375	330	0.124	≤0.4	PASS
3DH3	Ant2	Hop	1.626	170	0.276	≤0.4	PASS
3DH5	Ant2	Hop	2.878	130	0.374	≤0.4	PASS

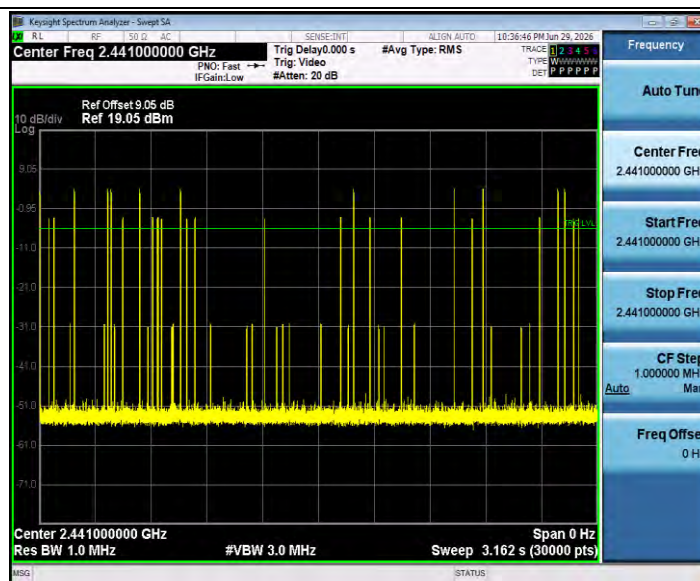
Test Graphs



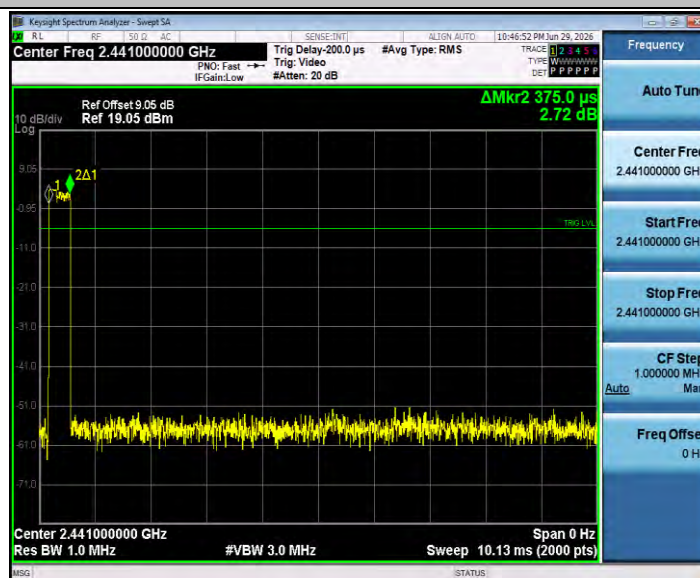




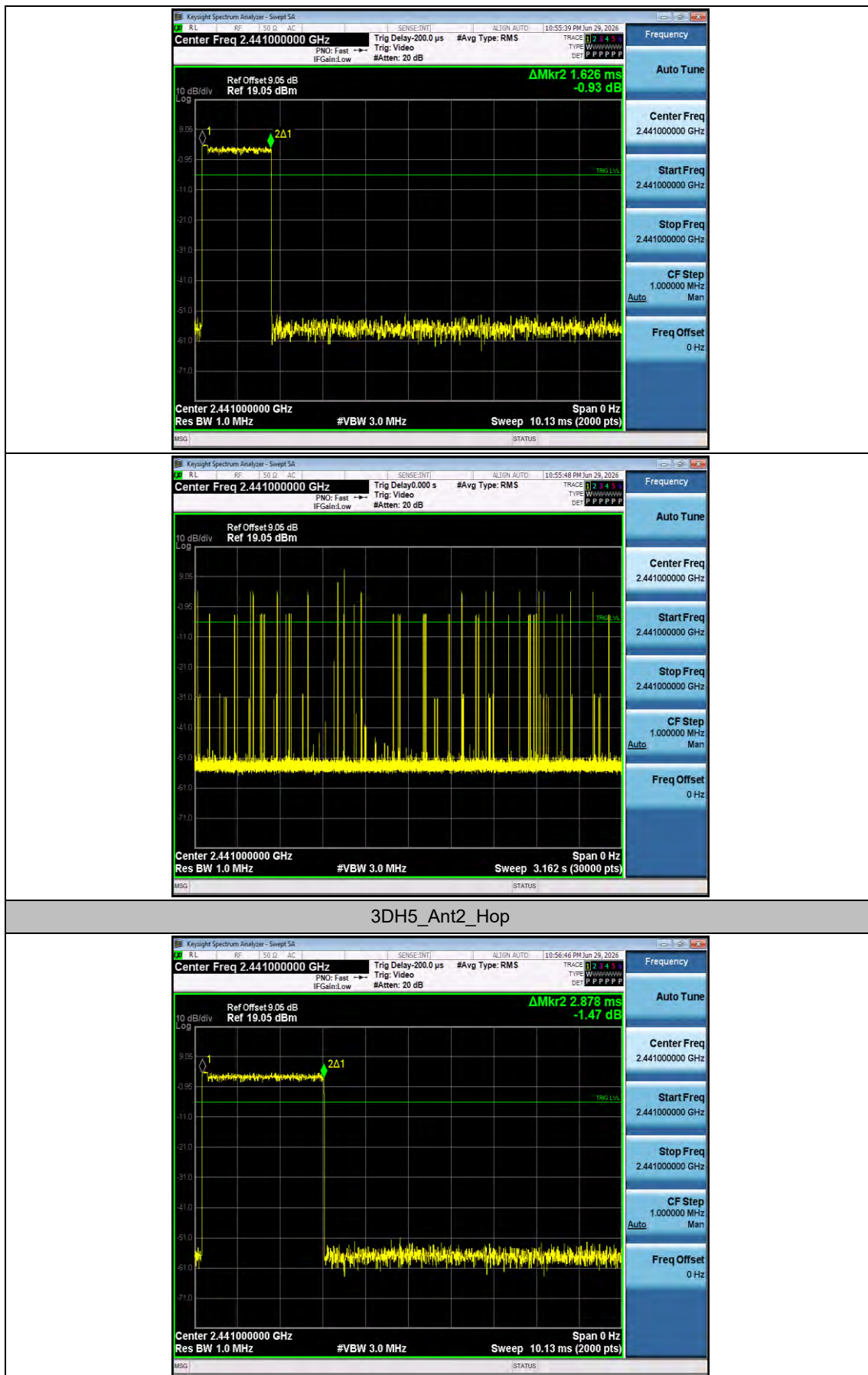




3DH1_Ant2_Hop



3DH3_Ant2_Hop

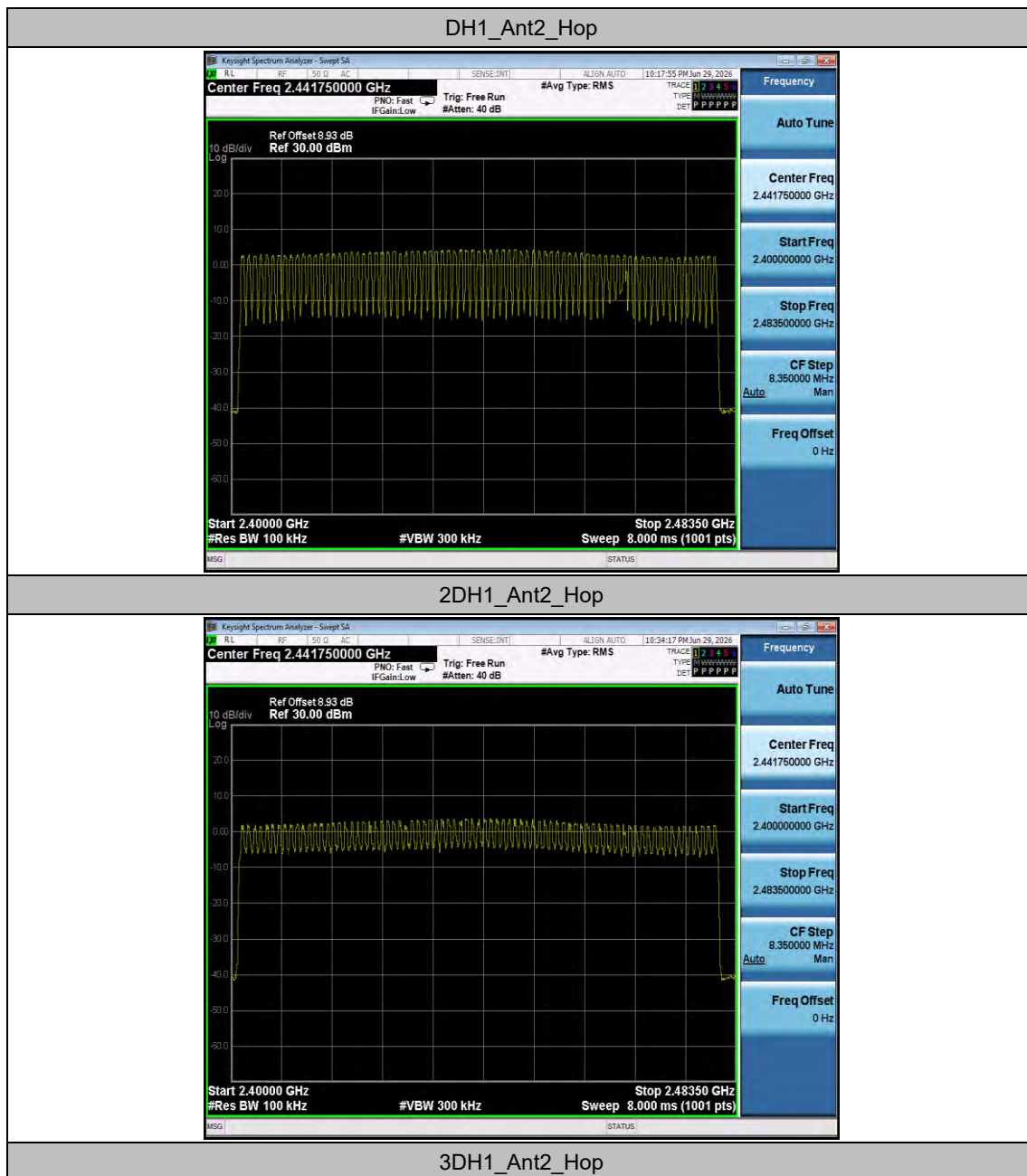


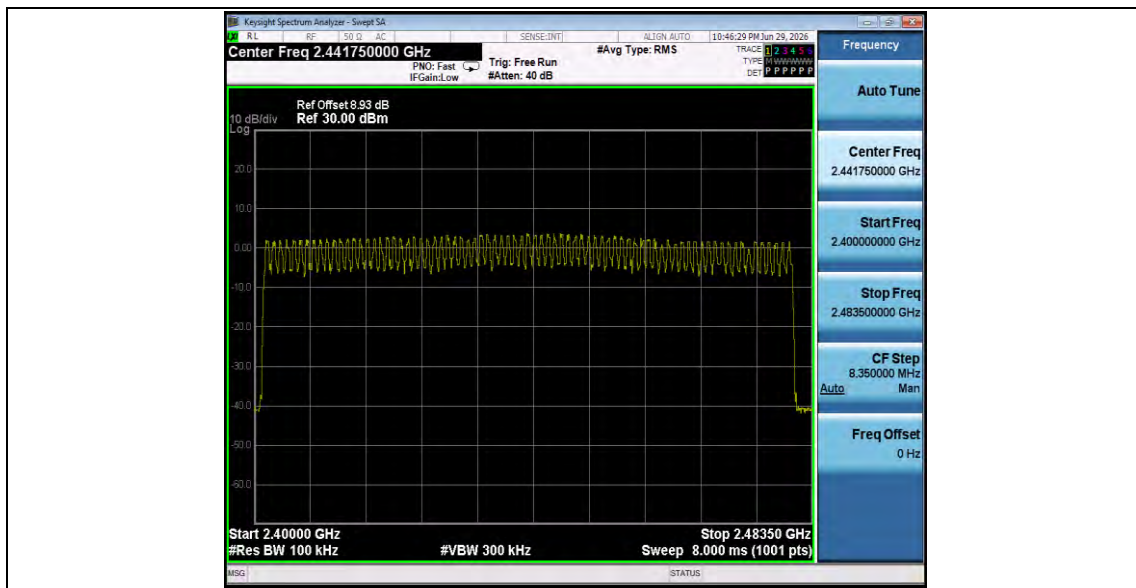


AppendixA.6: Number of hopping channels**Test Result**

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH1	Ant2	Hop	79	≥15	PASS
2DH1	Ant2	Hop	79	≥15	PASS
3DH1	Ant2	Hop	79	≥15	PASS

Test Graphs





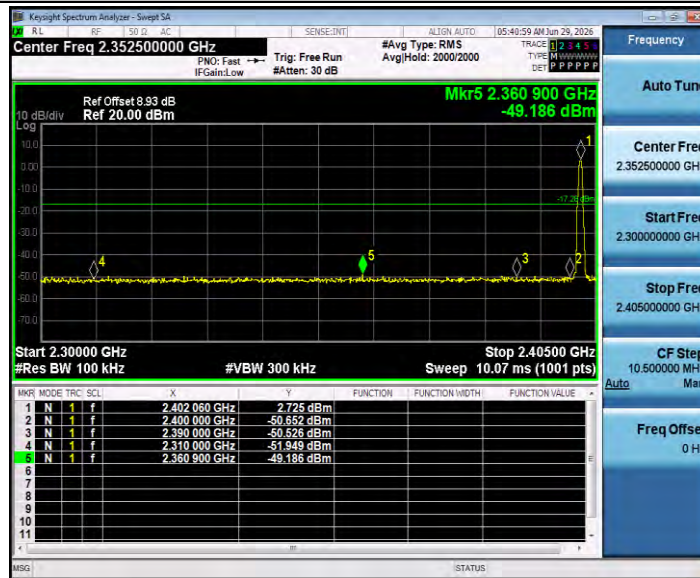
Appendix A.7: Band edge measurements

Test Result

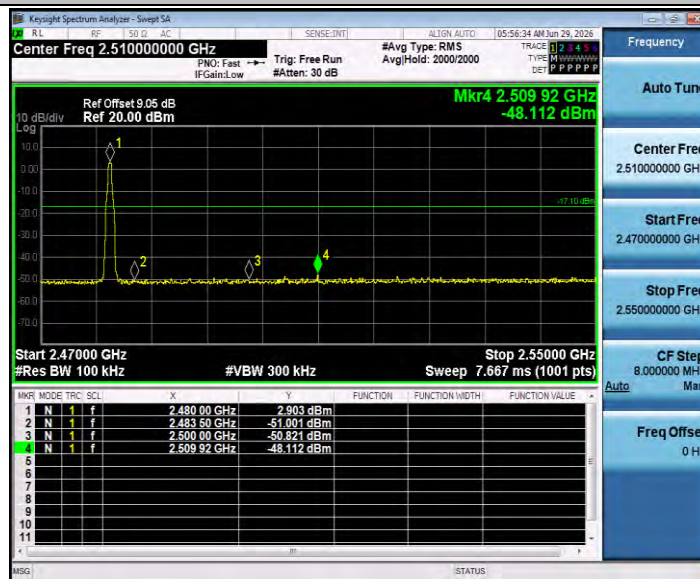
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant2	Low	2402	2.73	-49.19	≤ -17.28	PASS
		High	2480	2.90	-48.11	≤ -17.1	PASS
		Low	Hop_2402	2.16	-50.26	≤ -17.84	PASS
		High	Hop_2480	2.70	-48.79	≤ -17.3	PASS
2DH1	Ant2	Low	2402	1.91	-48.95	≤ -18.09	PASS
		High	2480	1.98	-48.64	≤ -18.02	PASS
		Low	Hop_2402	1.52	-49.13	≤ -18.49	PASS
		High	Hop_2480	1.67	-48.45	≤ -18.33	PASS
3DH1	Ant2	Low	2402	1.96	-50.02	≤ -18.04	PASS
		High	2480	2.04	-48.3	≤ -17.96	PASS
		Low	Hop_2402	0.04	-50.16	≤ -19.96	PASS
		High	Hop_2480	0.22	-48.88	≤ -19.78	PASS

Test Graphs

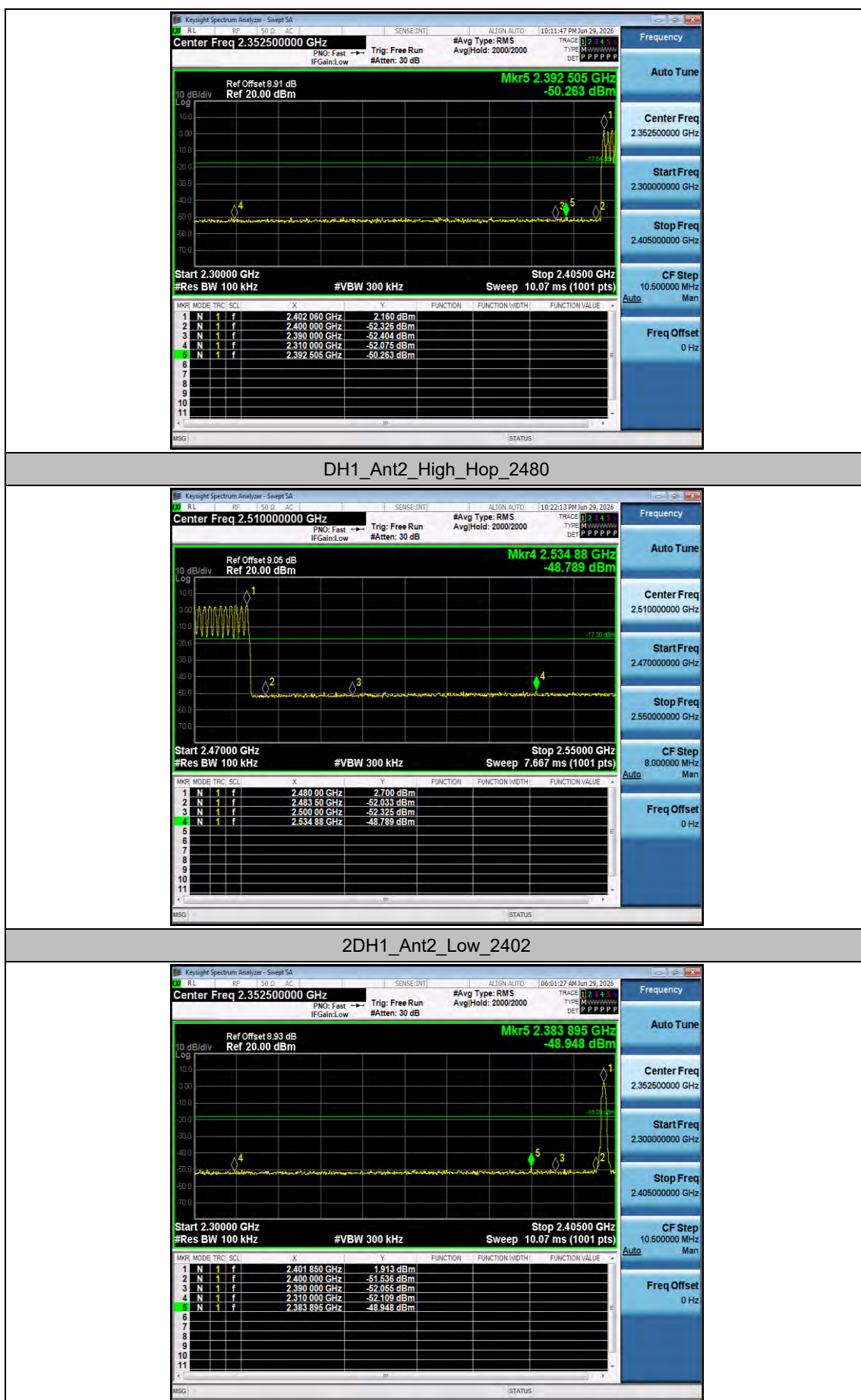
DH1_Ant2_Low_2402



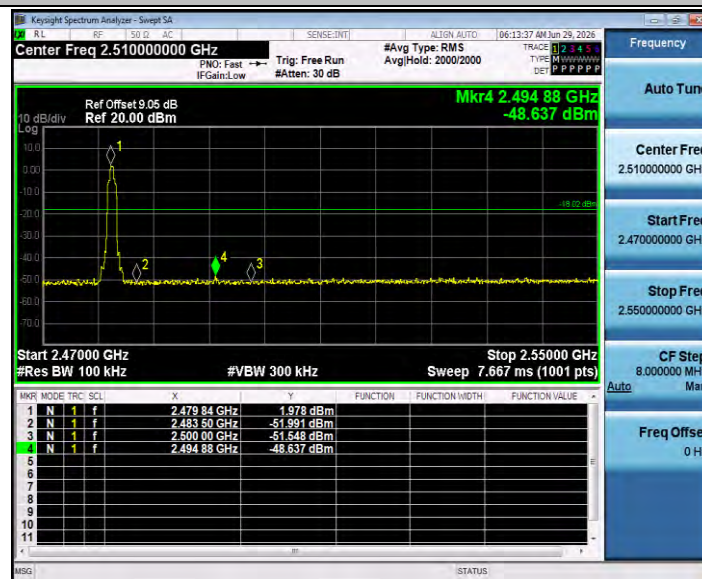
DH1_Ant2_High_2480



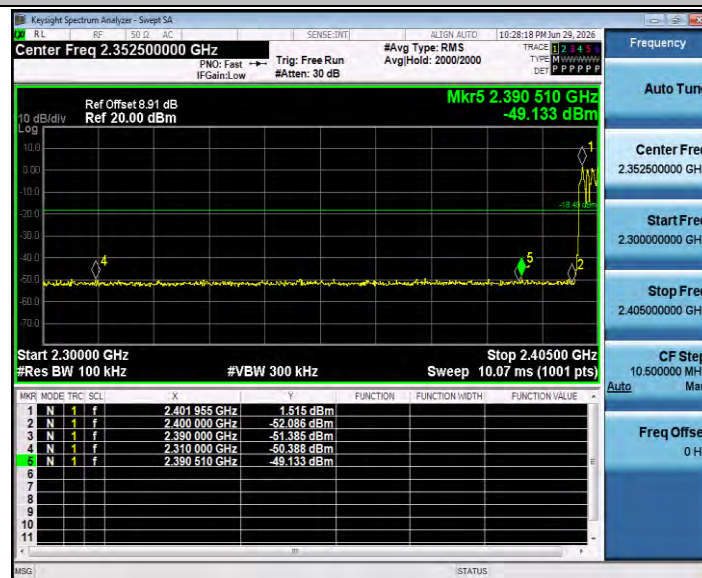
DH1_Ant2_Low_Hop_2402



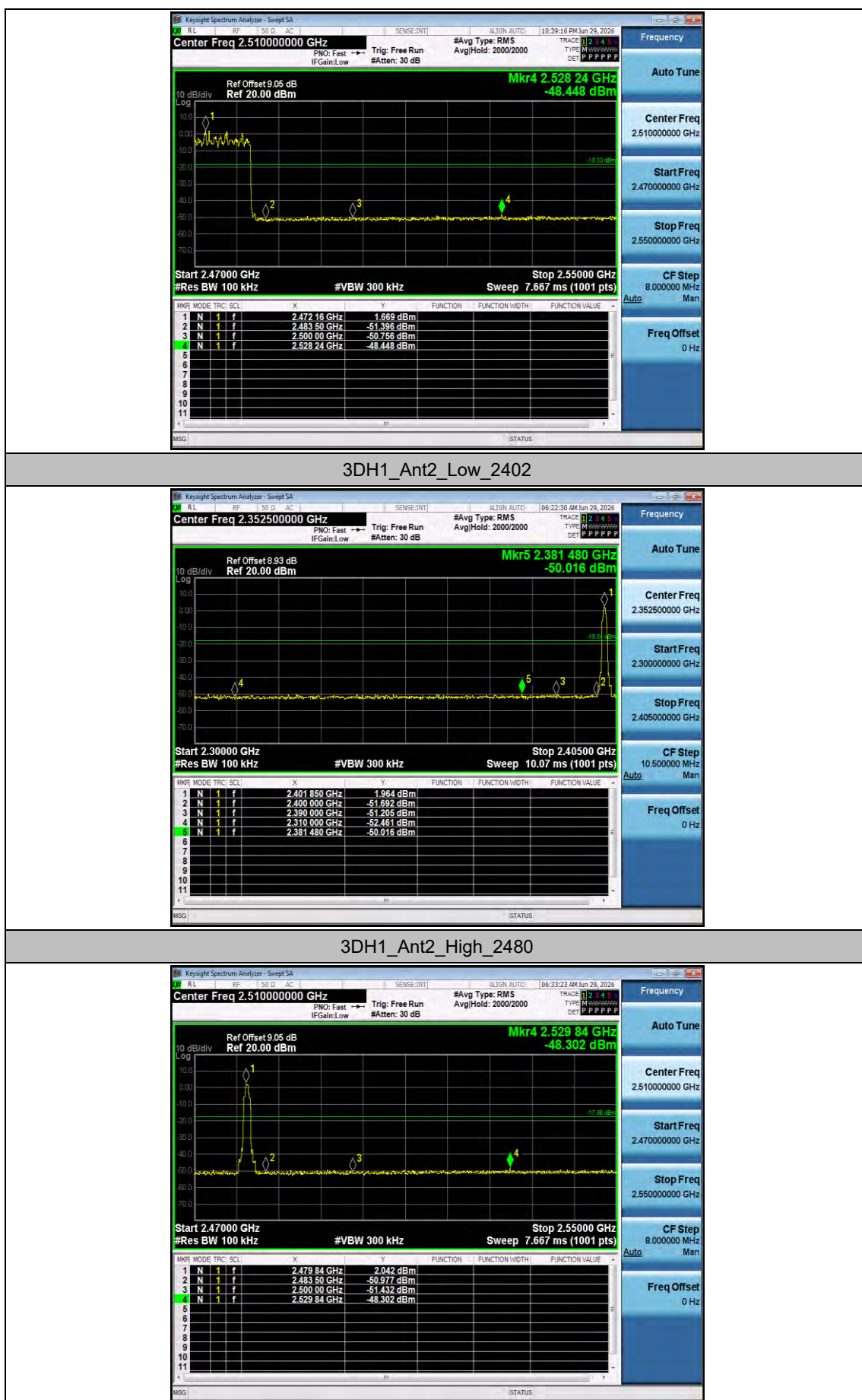
2DH1_Ant2_High_2480



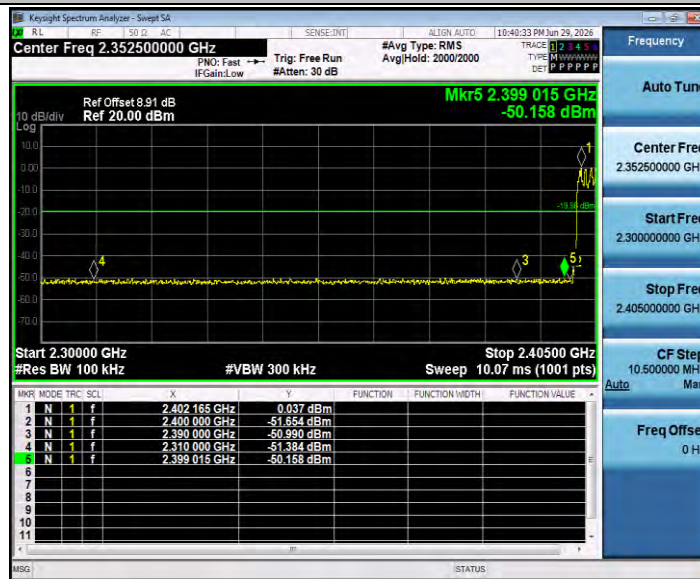
2DH1_Ant2_Low_Hop_2402



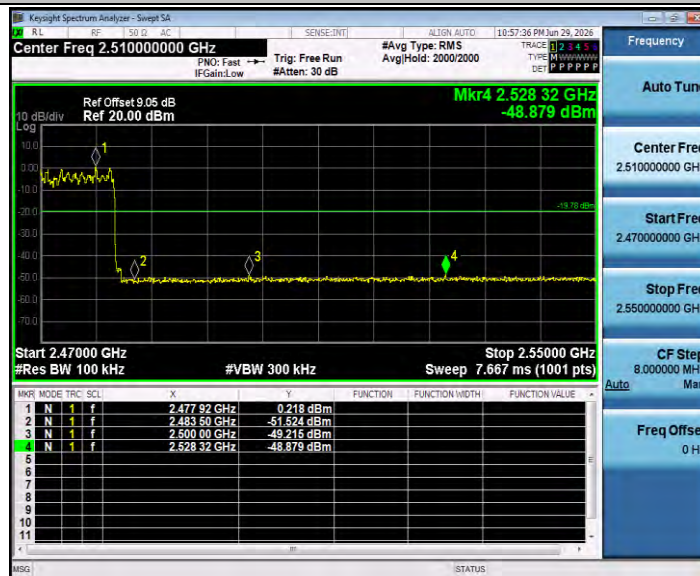
2DH1_Ant2_High_Hop_2480



3DH1_Ant2_Low_Hop_2402



3DH1_Ant2_High_Hop_2480

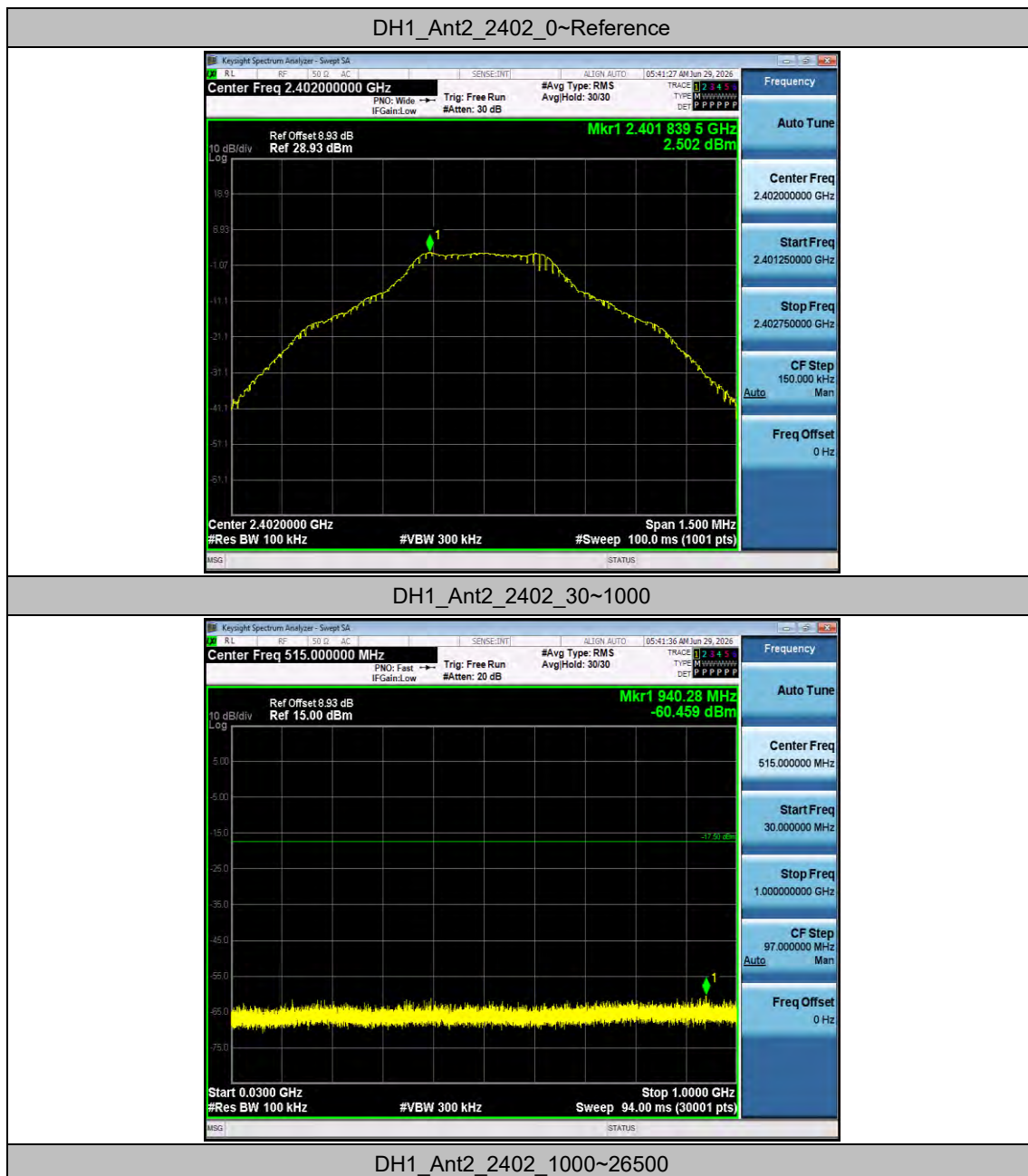


Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant2	2402	Reference	2.50	2.50	---	PASS
			30~1000	2.50	-60.46	≤-17.5	PASS
			1000~26500	2.50	-46.9	≤-17.5	PASS
		2441	Reference	4.28	4.28	---	PASS
			30~1000	4.28	-60.81	≤-15.72	PASS
			1000~26500	4.28	-47.7	≤-15.72	PASS
		2480	Reference	2.51	2.51	---	PASS
			30~1000	2.51	-60.68	≤-17.49	PASS
			1000~26500	2.51	-47.69	≤-17.49	PASS
2DH1	Ant2	2402	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-60.31	≤-18.14	PASS
			1000~26500	1.86	-47.19	≤-18.14	PASS
		2441	Reference	3.67	3.67	---	PASS
			30~1000	3.67	-60.6	≤-16.33	PASS
			1000~26500	3.67	-47.25	≤-16.33	PASS
		2480	Reference	1.93	1.93	---	PASS
			30~1000	1.93	-60.71	≤-18.07	PASS
			1000~26500	1.93	-47.8	≤-18.07	PASS
3DH1	Ant2	2402	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-60.92	≤-18.14	PASS
			1000~26500	1.86	-47.94	≤-18.14	PASS
		2441	Reference	3.69	3.69	---	PASS
			30~1000	3.69	-60.13	≤-16.31	PASS
			1000~26500	3.69	-46.96	≤-16.31	PASS
		2480	Reference	1.96	1.96	---	PASS
			30~1000	1.96	-60.77	≤-18.04	PASS
			1000~26500	1.96	-47.76	≤-18.04	PASS

Test Graphs

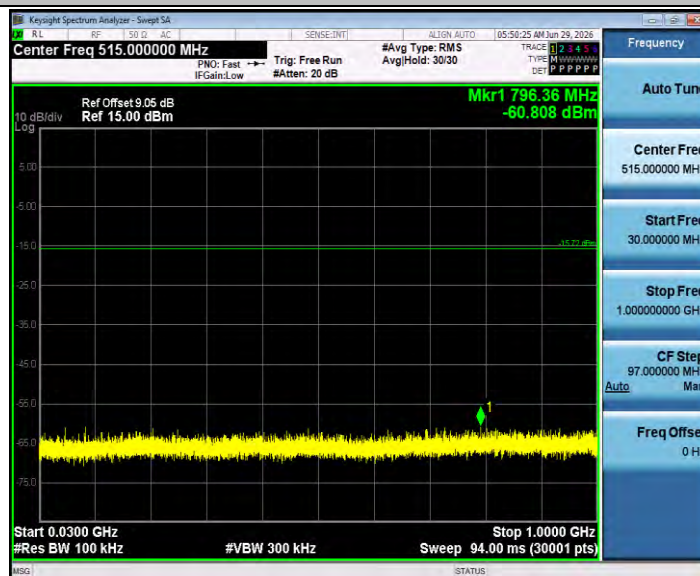




DH1_Ant2_2441_0~Reference



DH1_Ant2_2441_30~1000



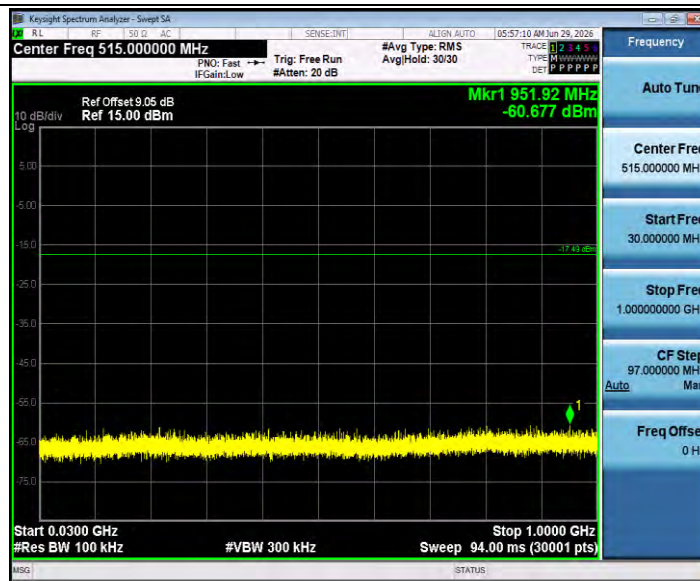
DH1_Ant2_2441_1000~26500



DH1_Ant2_2480_0~Reference



DH1_Ant2_2480_30~1000

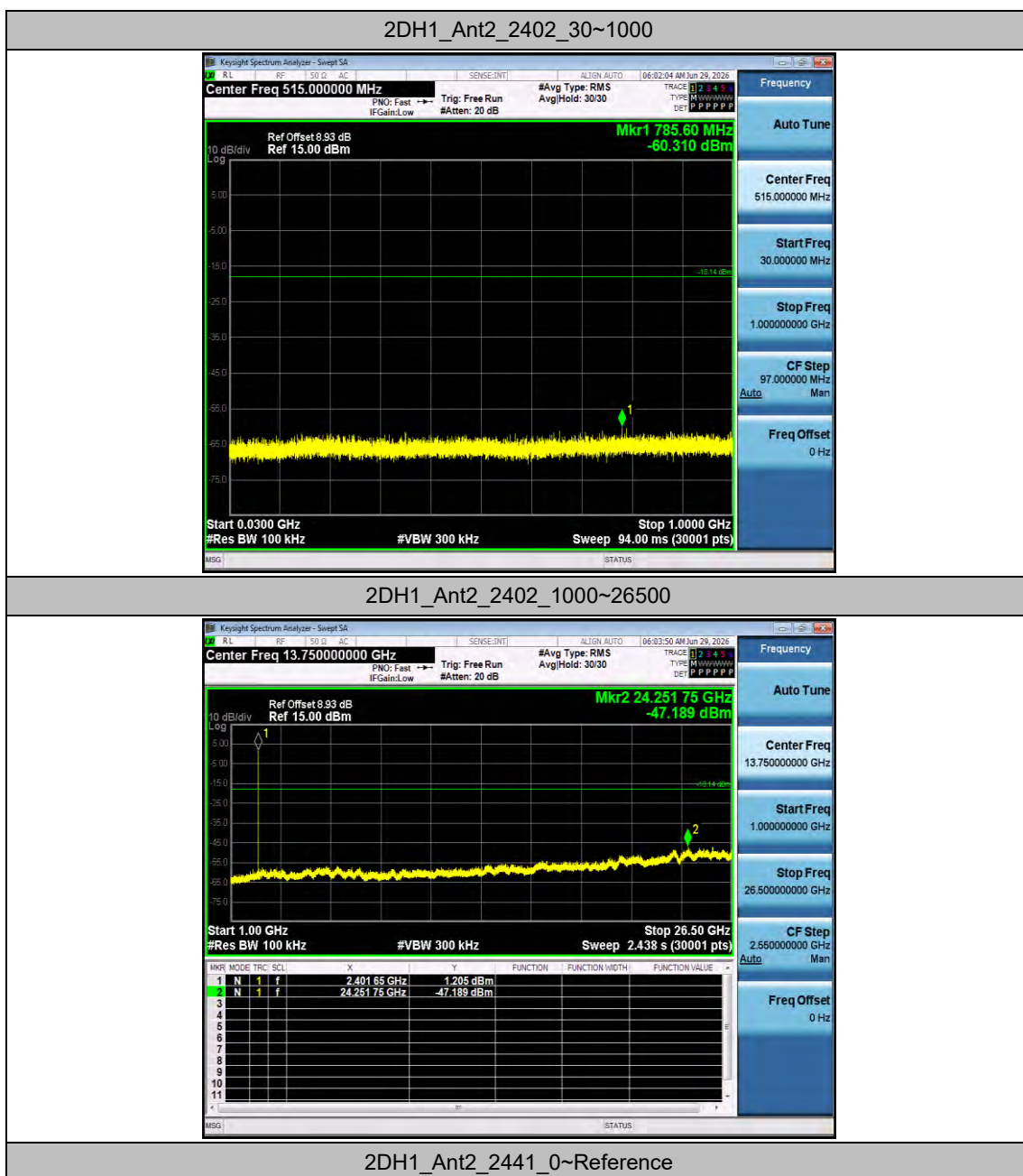


DH1_Ant2_2480_1000~26500



2DH1_Ant2_2402_0~Reference







2DH1_Ant2_2441_30~1000



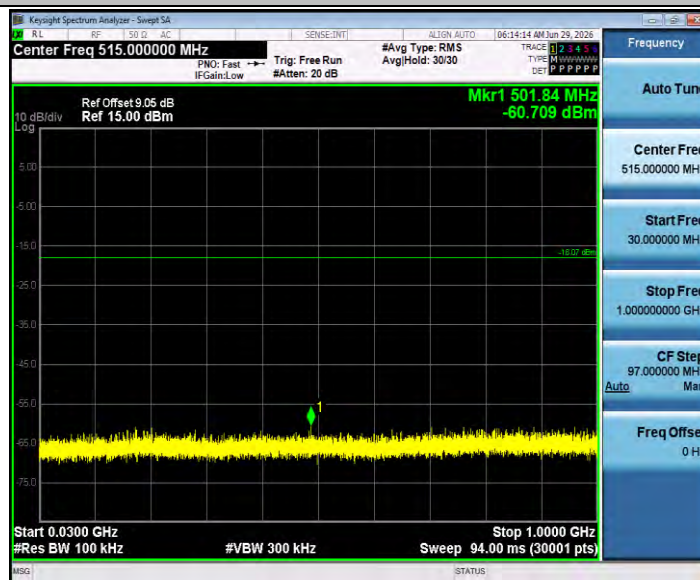
2DH1_Ant2_2441_1000~26500



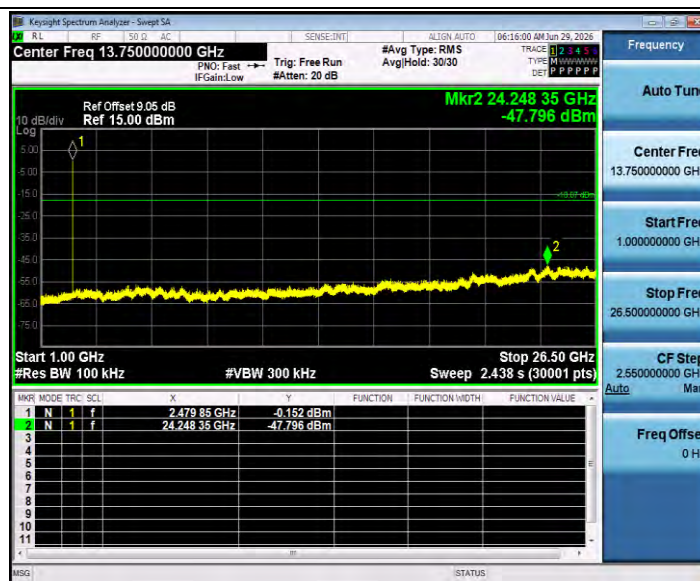
2DH1_Ant2_2480_0~Reference



2DH1_Ant2_2480_30~1000



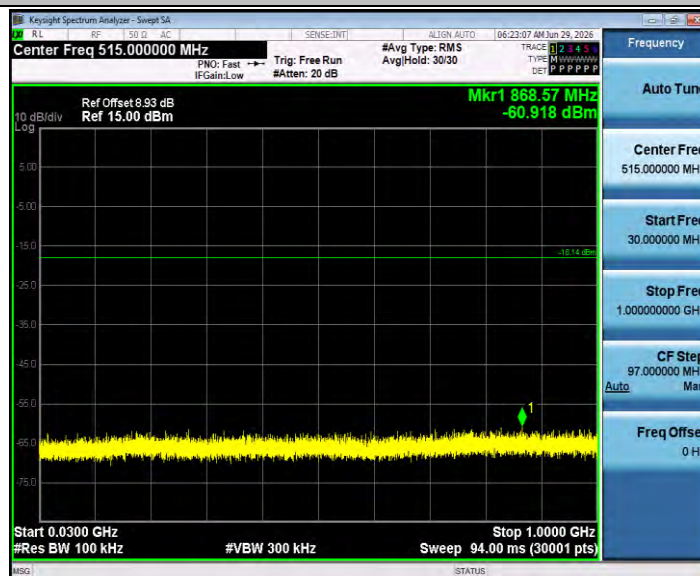
2DH1_Ant2_2480_1000~26500



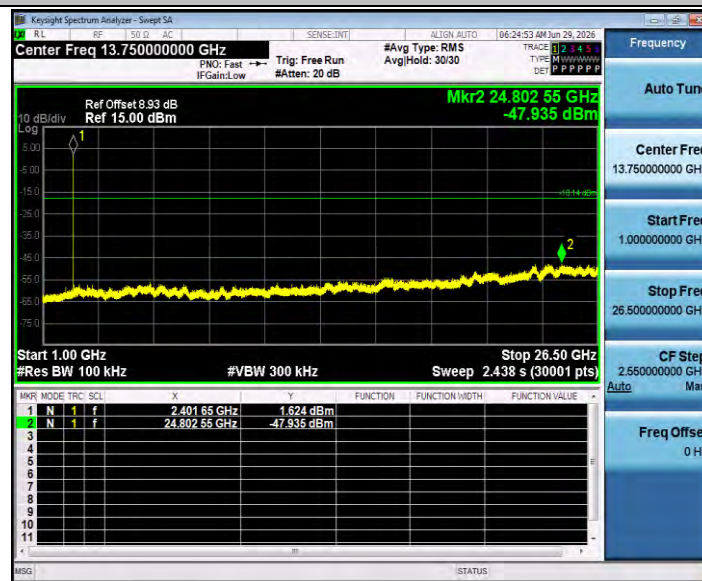
3DH1_Ant2_2402_0~Reference



3DH1_Ant2_2402_30~1000



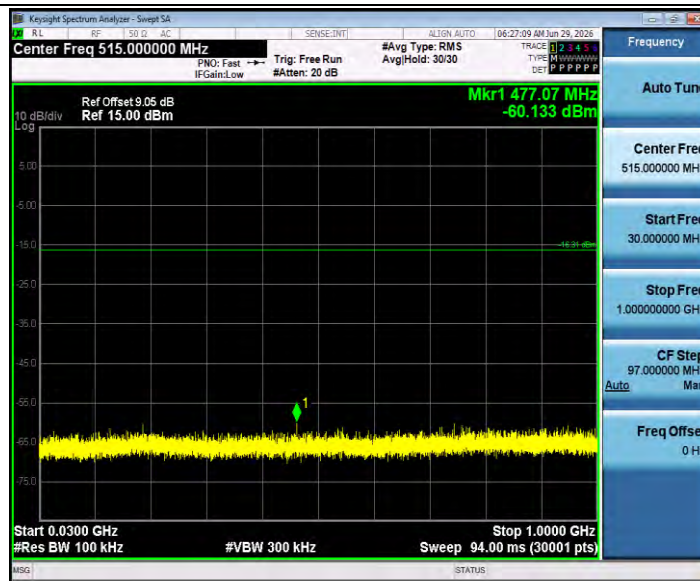
3DH1_Ant2_2402_1000~26500



3DH1_Ant2_2441_0~Reference



3DH1_Ant2_2441_30~1000

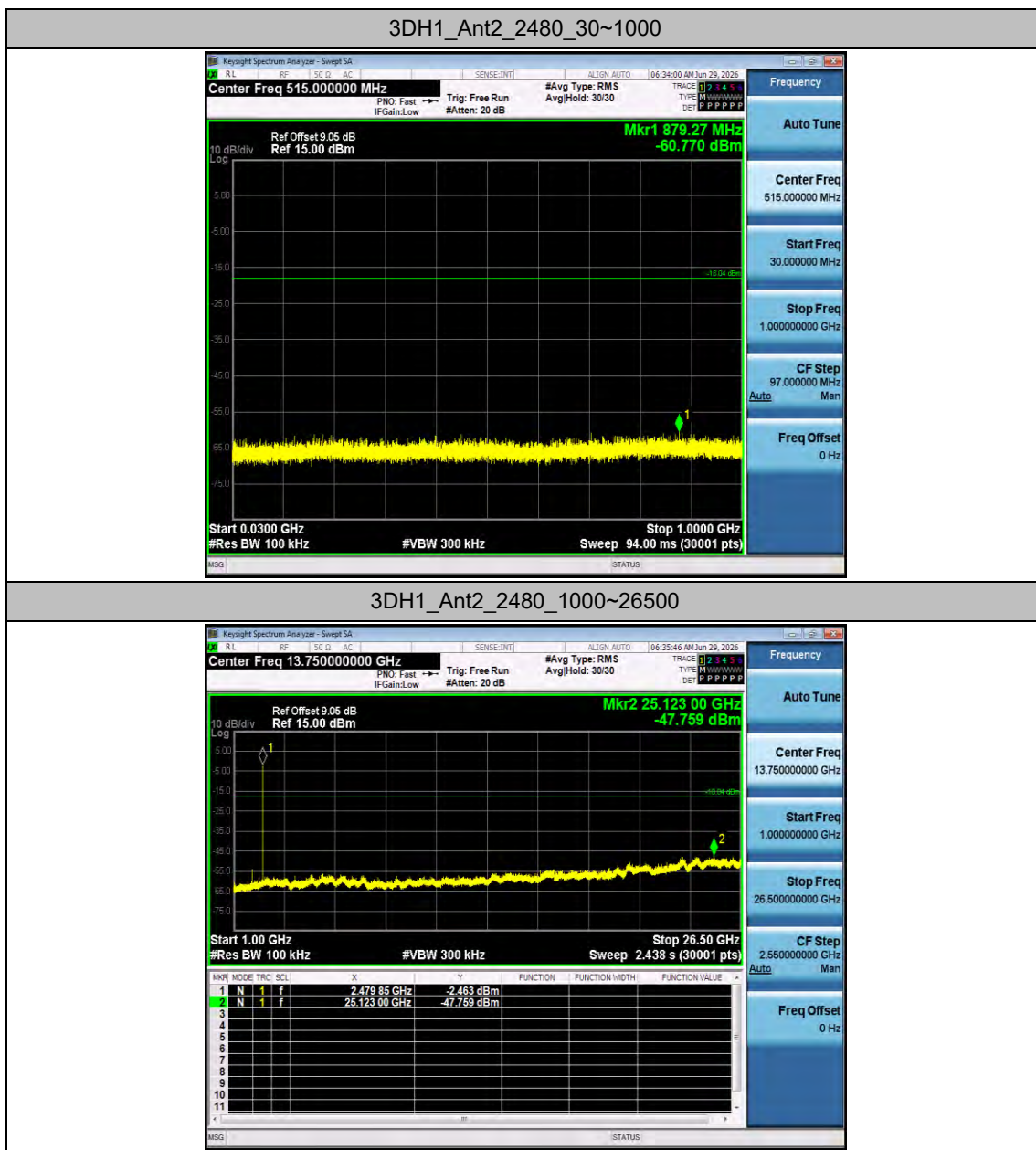


3DH1_Ant2_2441_1000~26500



3DH1_Ant2_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

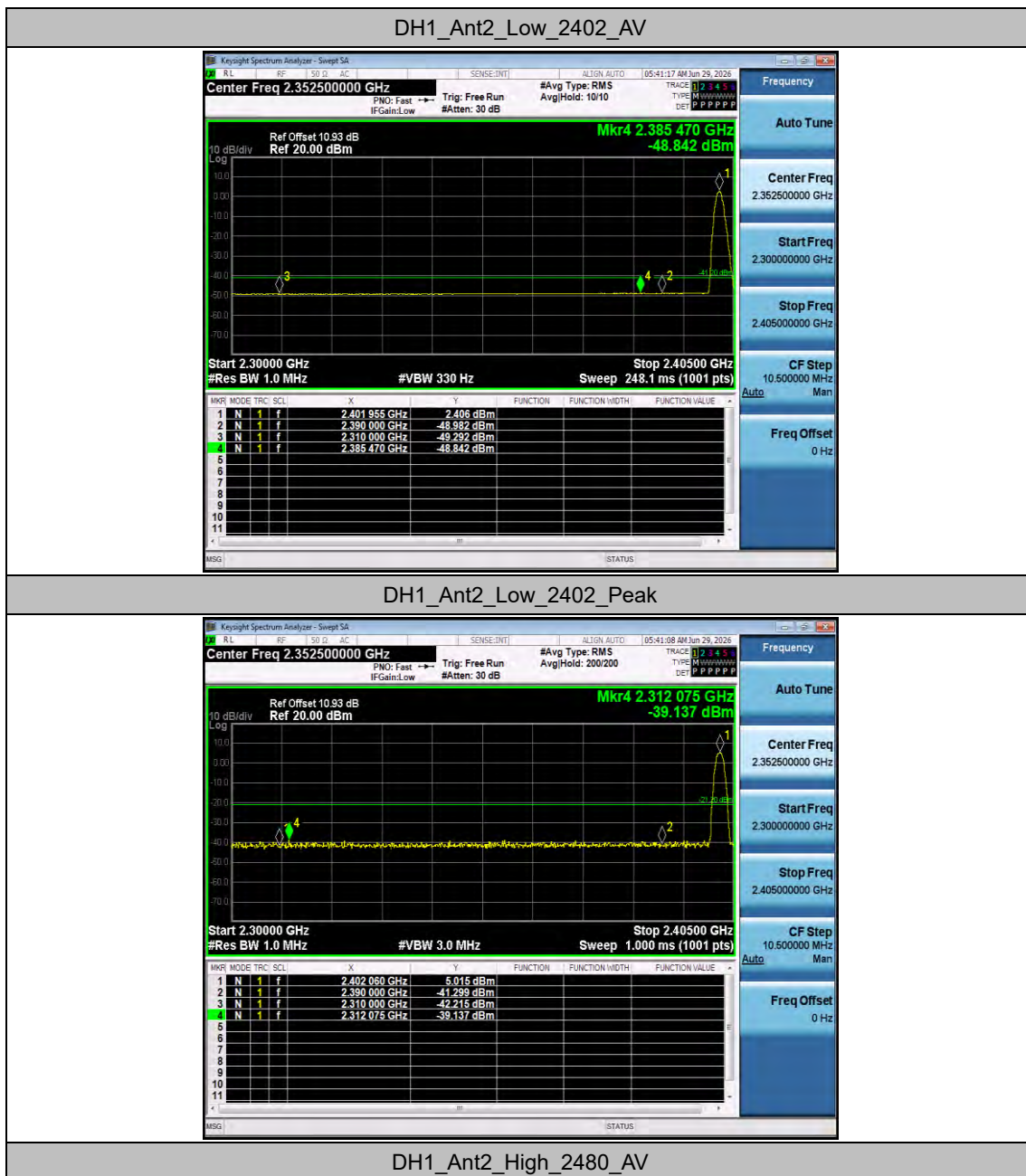
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant2	Low	2402	AV	2310.000	-49.29	≤-41.20	45.91	≤54	PASS
				AV	2385.470	-48.84	≤-41.20	46.36	≤54	PASS
				AV	2390.000	-48.98	≤-41.20	46.22	≤54	PASS
				Peak	2310.000	-42.22	≤-21.20	52.98	≤74	PASS
				Peak	2312.075	-39.14	≤-21.20	56.06	≤74	PASS
				Peak	2390.000	-41.3	≤-21.20	53.90	≤74	PASS
		High	2480	AV	2483.500	-48.62	≤-41.20	46.58	≤54	PASS
				AV	2499.920	-48.52	≤-41.20	46.68	≤54	PASS
				AV	2500.000	-48.65	≤-41.20	46.55	≤54	PASS
				Peak	2483.500	-37.85	≤-21.20	57.35	≤74	PASS
				Peak	2493.680	-37.79	≤-21.20	57.41	≤74	PASS
				Peak	2500.000	-41.21	≤-21.20	53.99	≤74	PASS
2DH1	Ant2	Low	2402	AV	2310.000	-49.63	≤-41.20	45.57	≤54	PASS
				AV	2388.305	-49.08	≤-41.20	46.12	≤54	PASS
				AV	2390.000	-49.26	≤-41.20	45.94	≤54	PASS
				Peak	2310.000	-42.31	≤-21.20	52.89	≤74	PASS
				Peak	2317.955	-38.68	≤-21.20	56.52	≤74	PASS
				Peak	2390.000	-41.52	≤-21.20	53.68	≤74	PASS
		High	2480	AV	2483.500	-48.64	≤-41.20	46.56	≤54	PASS
				AV	2496.800	-48.54	≤-41.20	46.66	≤54	PASS
				AV	2500.000	-48.65	≤-41.20	46.55	≤54	PASS
				Peak	2483.500	-40.78	≤-21.20	54.42	≤74	PASS
				Peak	2493.200	-38.98	≤-21.20	56.22	≤74	PASS
				Peak	2500.000	-39.95	≤-21.20	55.25	≤74	PASS
3DH1	Ant2	Low	2402	AV	2310.000	-49.71	≤-41.20	45.49	≤54	PASS
				AV	2372.660	-49.12	≤-41.20	46.08	≤54	PASS
				AV	2390.000	-49.25	≤-41.20	45.95	≤54	PASS
				Peak	2310.000	-40.7	≤-21.20	54.50	≤74	PASS
				Peak	2336.960	-38.48	≤-21.20	56.72	≤74	PASS
				Peak	2390.000	-40.68	≤-21.20	54.52	≤74	PASS
		High	2480	AV	2483.500	-48.64	≤-41.20	46.56	≤54	PASS
				AV	2498.800	-48.54	≤-41.20	46.66	≤54	PASS
				AV	2500.000	-48.69	≤-41.20	46.51	≤54	PASS
				Peak	2483.500	-40.47	≤-21.20	54.73	≤74	PASS
				Peak	2485.440	-39.03	≤-21.20	56.17	≤74	PASS

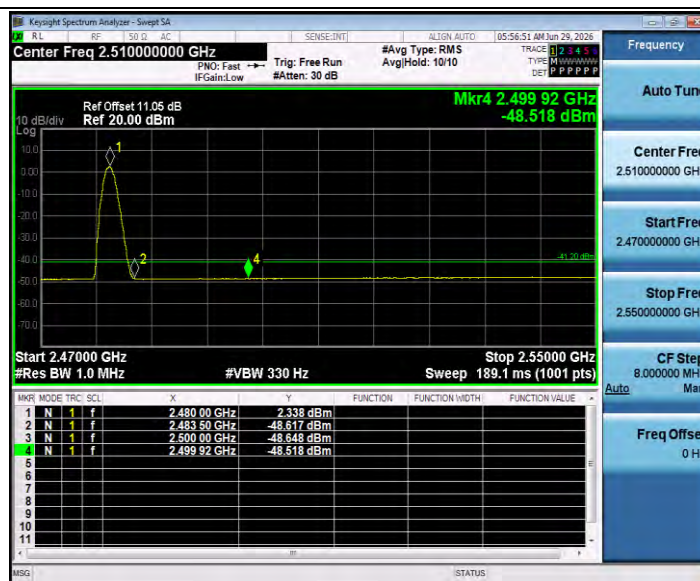
				Peak	2500.000	-40.5	≤-21.20	54.70	≤74	PASS
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Note:

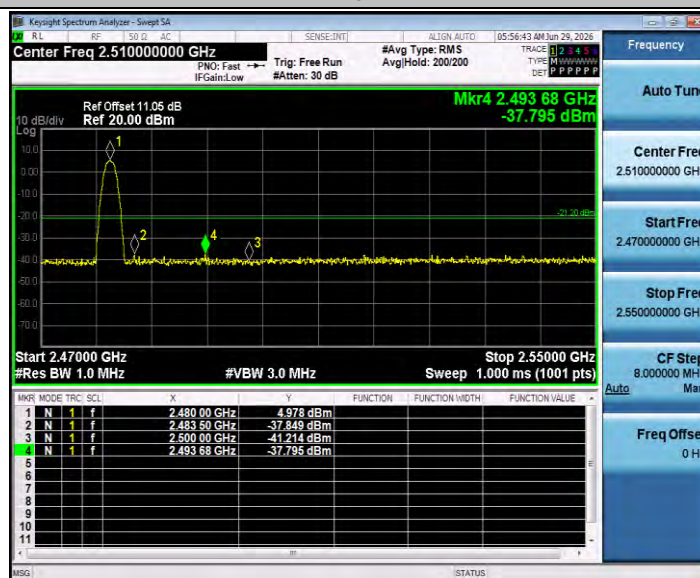
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

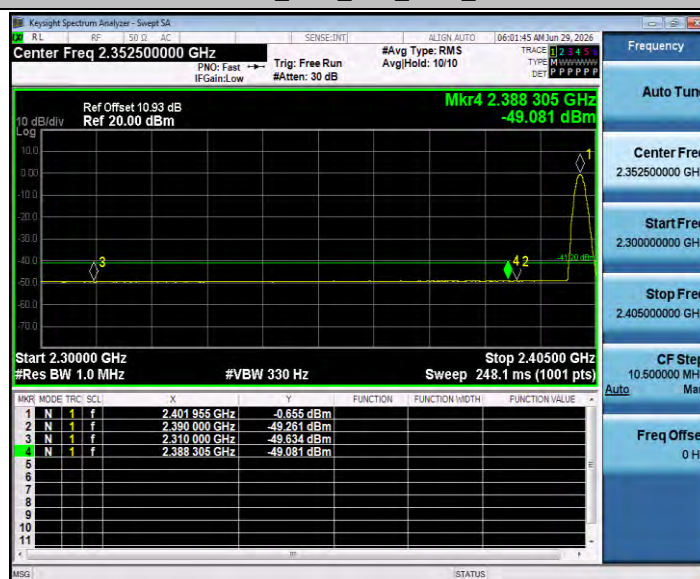




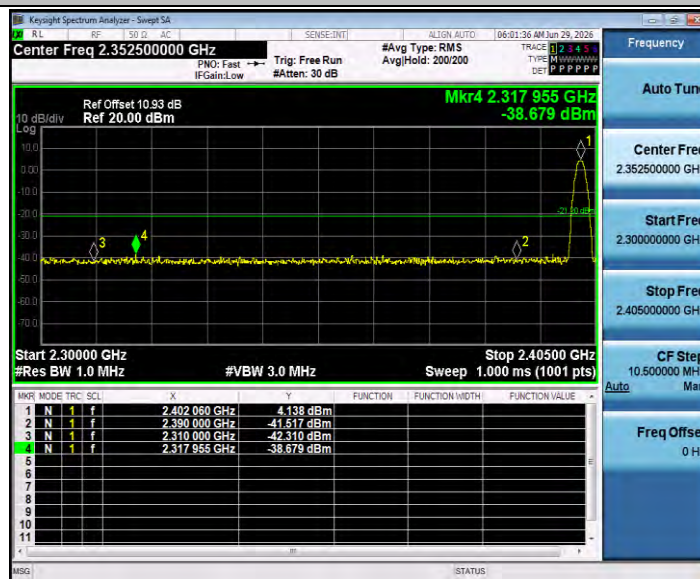
DH1_Ant2_High_2480_Peak



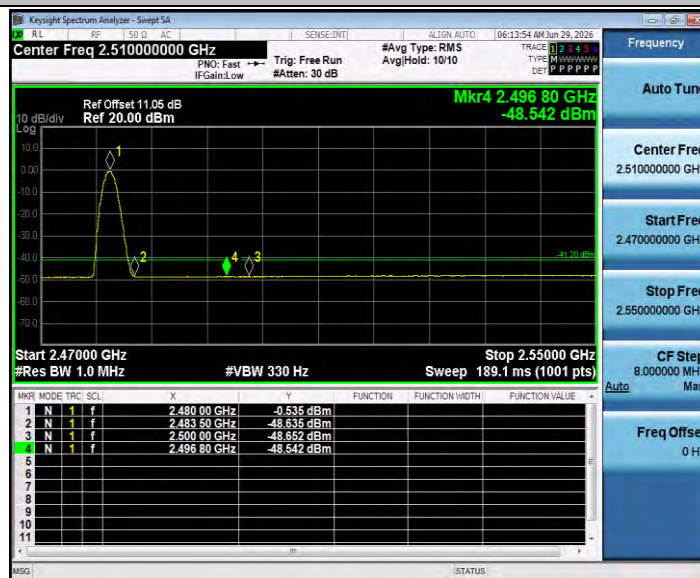
2DH1_Ant2_Low_2402_AV



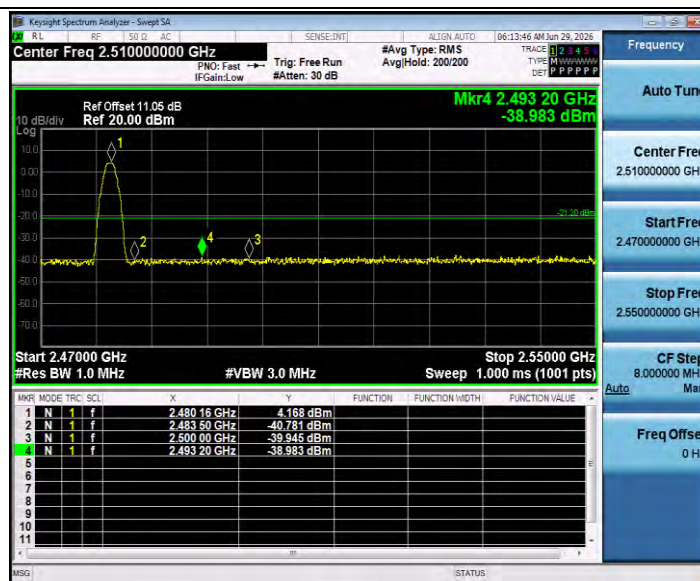
2DH1_Ant2_Low_2402_Peak



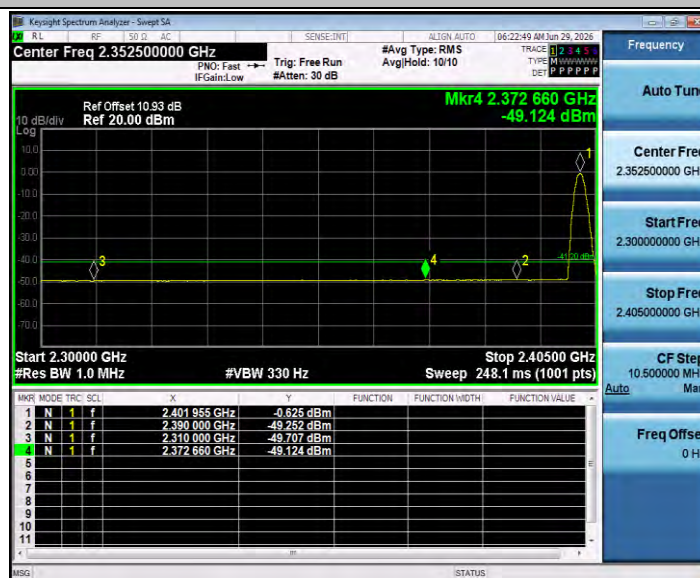
2DH1_Ant2_High_2480_AV



2DH1_Ant2_High_2480_Peak



3DH1_Ant2_Low_2402_AV



3DH1_Ant2_Low_2402_Peak

