

Case No. : <u>GTS20260302019-3-02</u>	
Ambient Condition: <u>24</u> °C, <u>53</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2026.3.19-2026.3.20</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.786	2401.604	2402.390	---	---
		2441	0.825	2440.565	2441.390	---	---
		2480	0.774	2479.619	2480.393	---	---
2DH1	Ant1	2402	1.212	2401.379	2402.591	---	---
		2441	1.239	2440.373	2441.612	---	---
		2480	1.197	2479.391	2480.588	---	---
3DH1	Ant1	2402	1.212	2401.406	2402.618	---	---
		2441	1.212	2440.409	2441.621	---	---
		2480	1.218	2479.403	2480.621	---	---

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

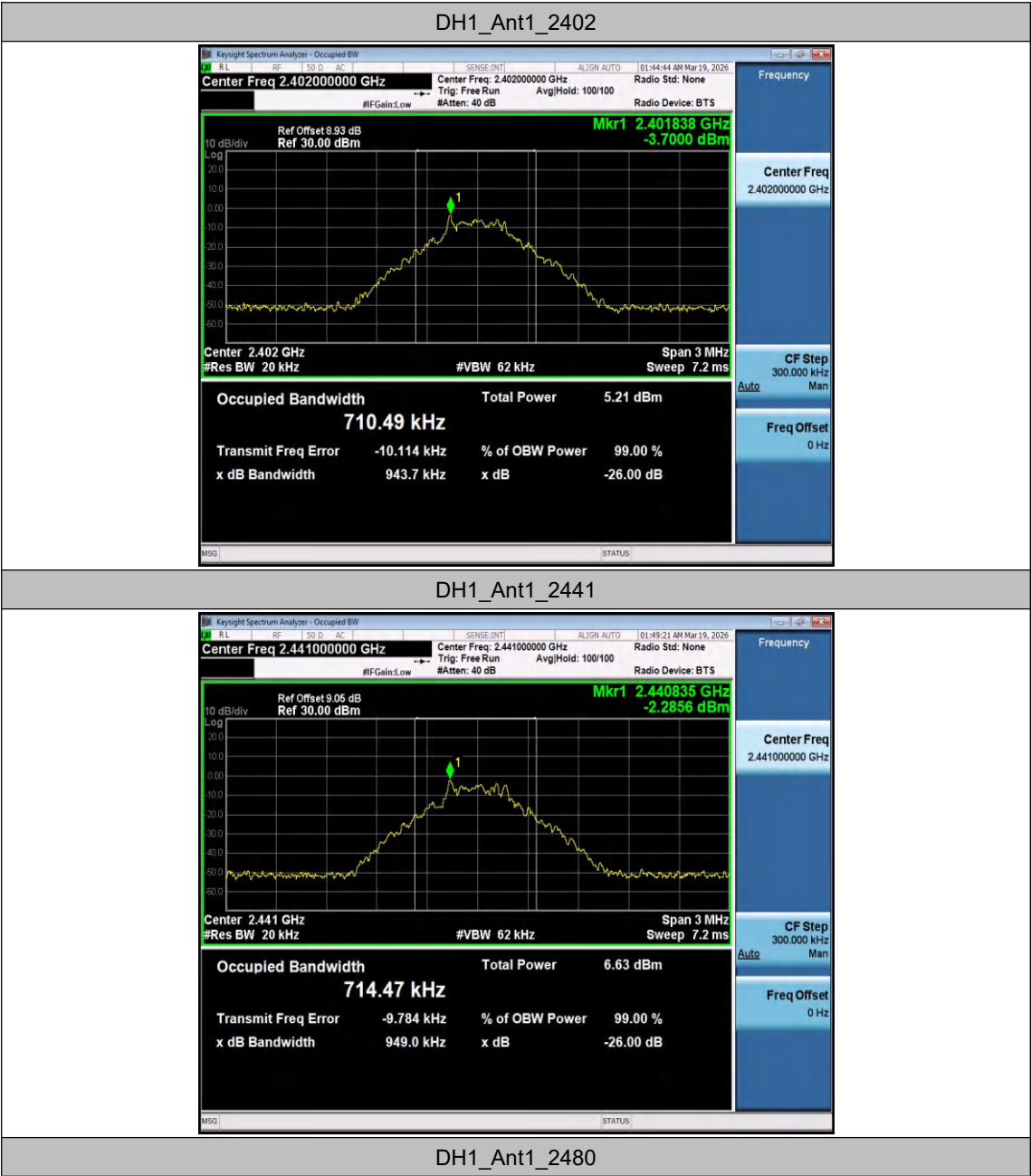


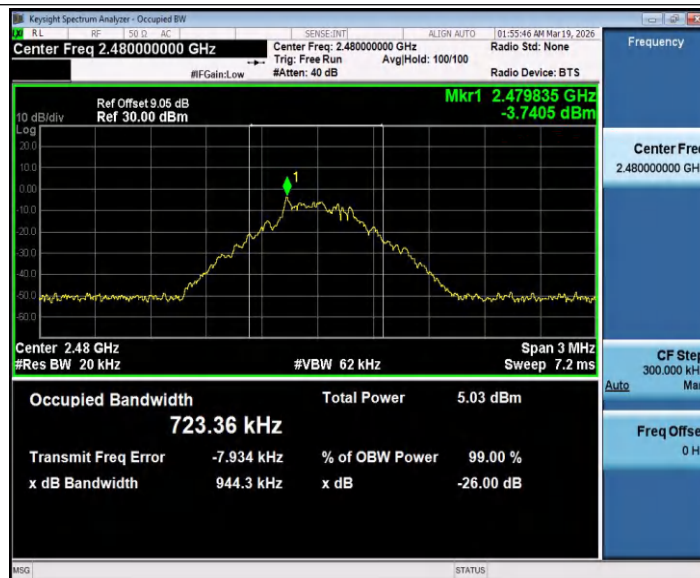
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.71049	2401.6346	2402.3451	---	---
		2441	0.71447	2440.6330	2441.3475	---	---
		2480	0.72336	2479.6304	2480.3538	---	---
2DH1	Ant1	2402	1.1348	2401.4292	2402.5640	---	---
		2441	1.1254	2440.4303	2441.5557	---	---
		2480	1.1370	2479.4290	2480.5660	---	---
3DH1	Ant1	2402	1.1332	2401.4411	2402.5743	---	---
		2441	1.1341	2440.4406	2441.5747	---	---
		2480	1.1305	2479.4415	2480.5720	---	---

Test Graphs





2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



3DH1_Ant1_2480



Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	-0.59	≤ 20.97	PASS
		2441	1.05	≤ 20.97	PASS
		2480	-0.25	≤ 20.97	PASS
2DH1	Ant1	2402	-1.14	≤ 20.97	PASS
		2441	0.37	≤ 20.97	PASS
		2480	-0.87	≤ 20.97	PASS
3DH1	Ant1	2402	-1.10	≤ 20.97	PASS
		2441	0.35	≤ 20.97	PASS
		2480	-0.81	≤ 20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1	≥ 0.550	PASS
		Hop_2441	0.836	≥ 0.550	PASS
		Hop_2480	1.022	≥ 0.550	PASS
2DH1	Ant1	Hop_2402	0.996	≥ 0.826	PASS
		Hop_2441	1.006	≥ 0.826	PASS
		Hop_2480	0.998	≥ 0.826	PASS
3DH1	Ant1	Hop_2402	0.844	≥ 0.812	PASS
		Hop_2441	1.008	≥ 0.812	PASS
		Hop_2480	0.99	≥ 0.812	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



3DH1_Ant1_Hop_2480

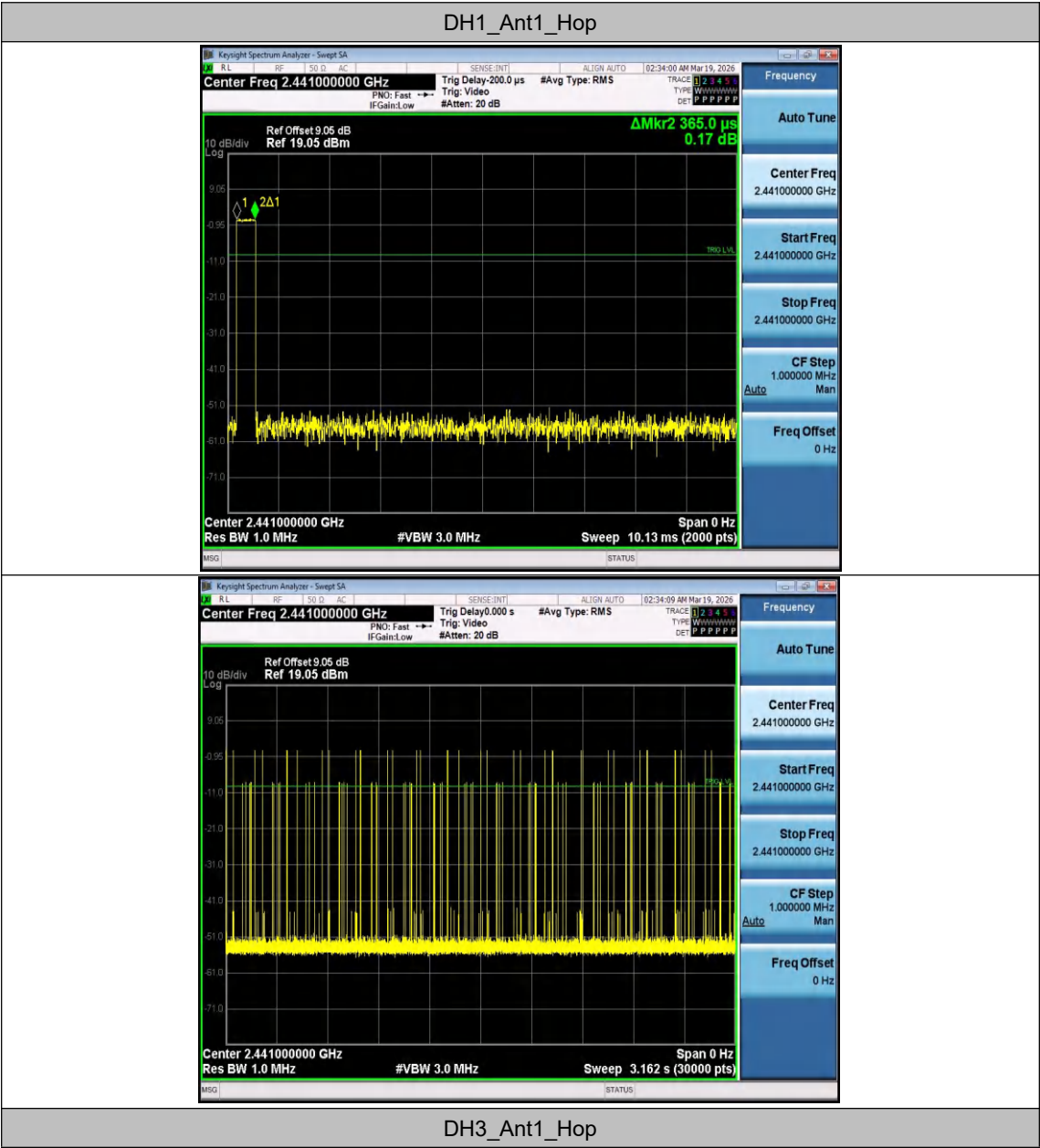


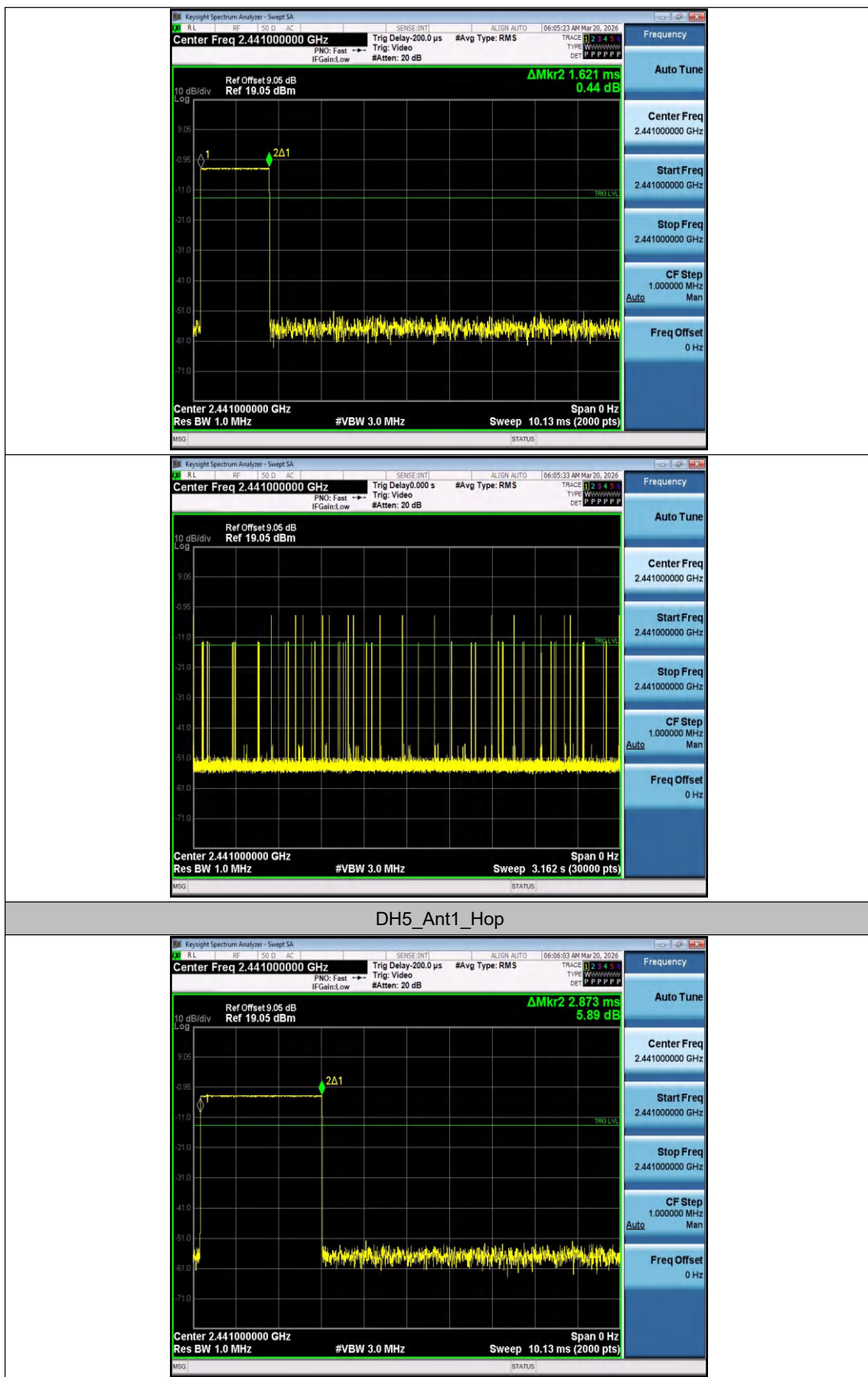
Appendix A.5: Time of occupancy

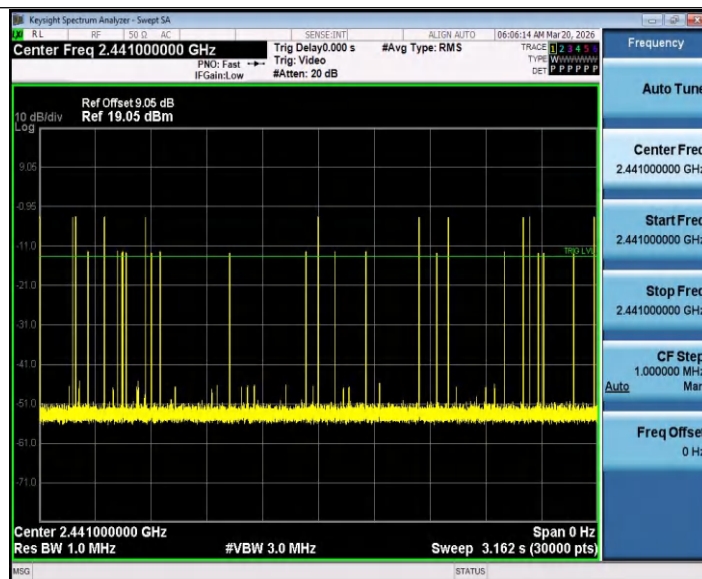
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.365	330	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.621	170	0.276	≤0.4	PASS
DH5	Ant1	Hop	2.873	110	0.316	≤0.4	PASS
2DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.626	170	0.276	≤0.4	PASS
2DH5	Ant1	Hop	2.873	130	0.373	≤0.4	PASS
3DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.621	160	0.259	≤0.4	PASS
3DH5	Ant1	Hop	2.870	120	0.344	≤0.4	PASS

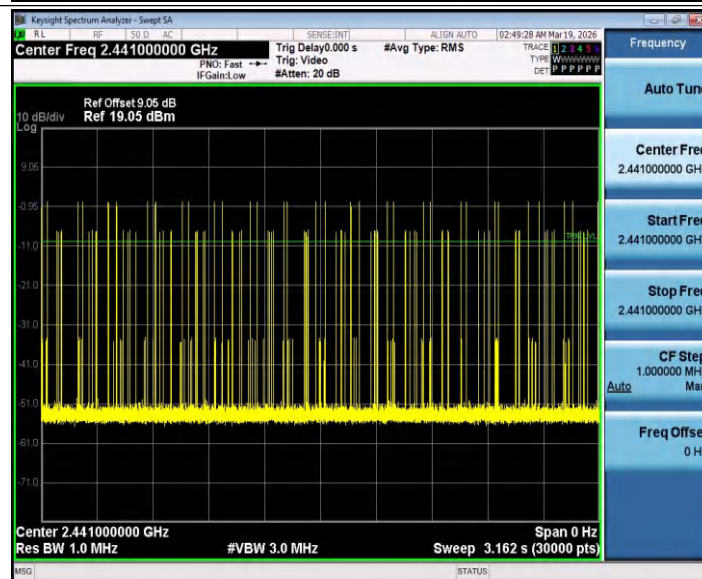
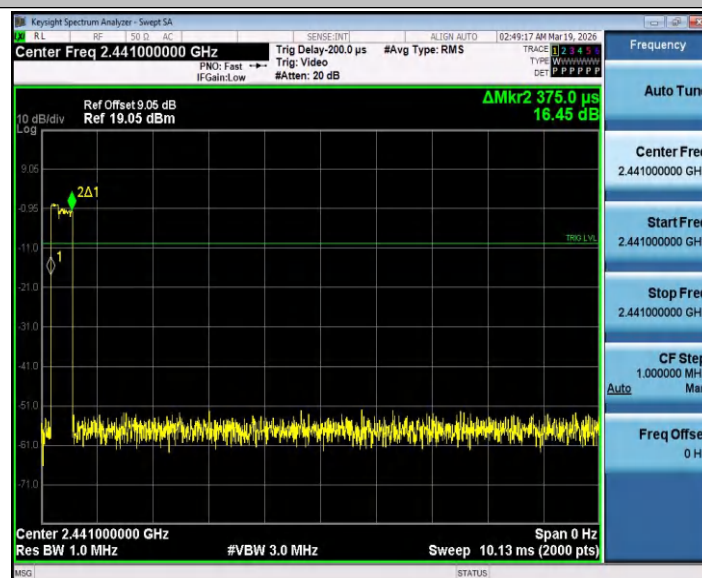
Test Graphs



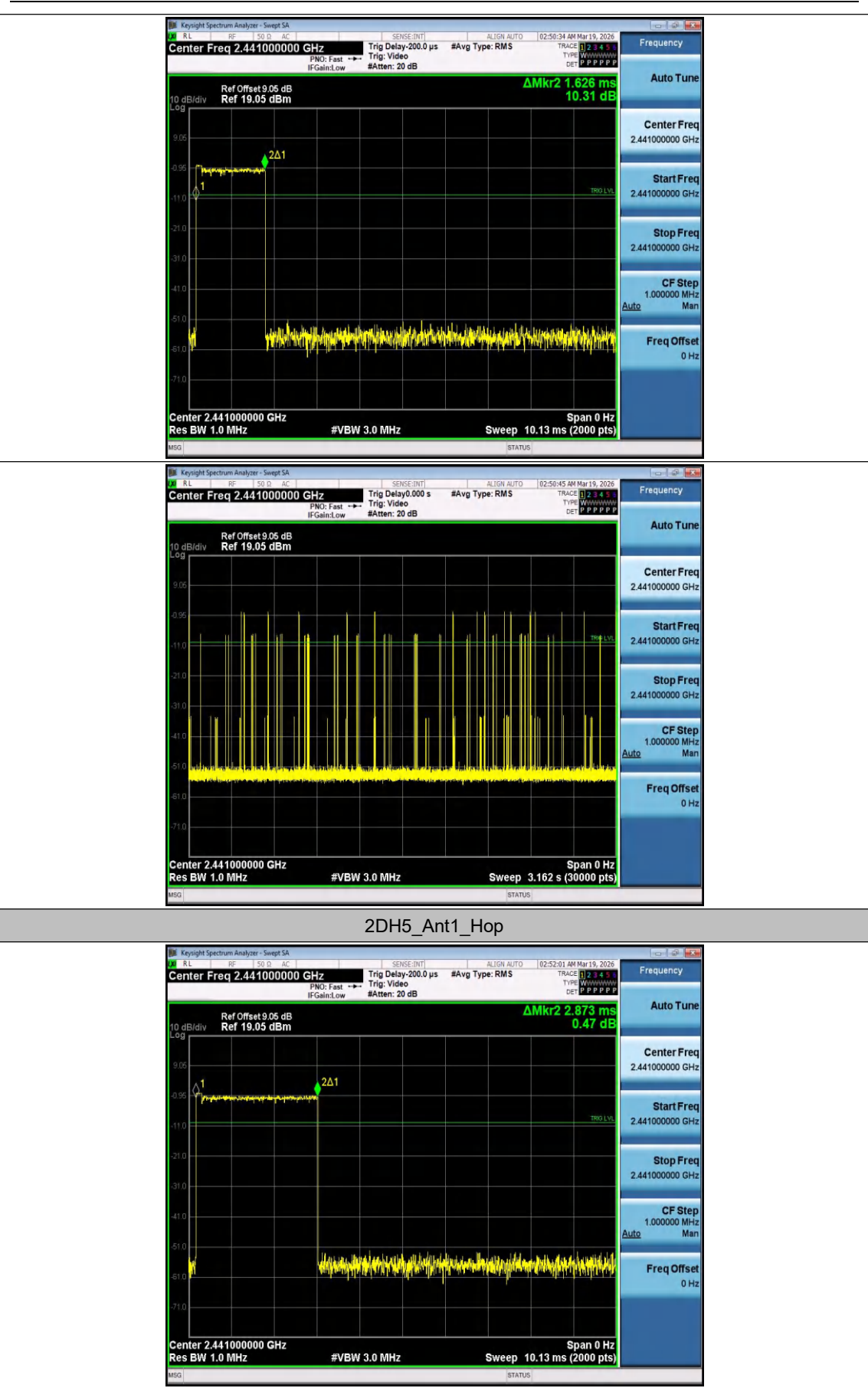


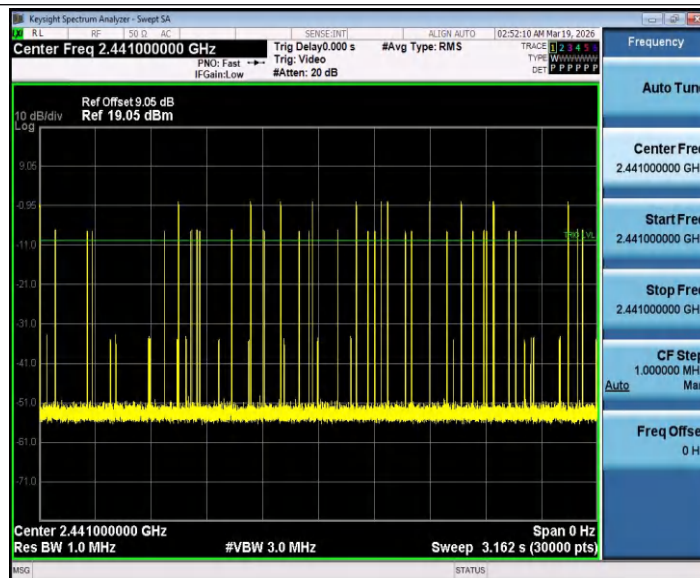


2DH1_Ant1_Hop

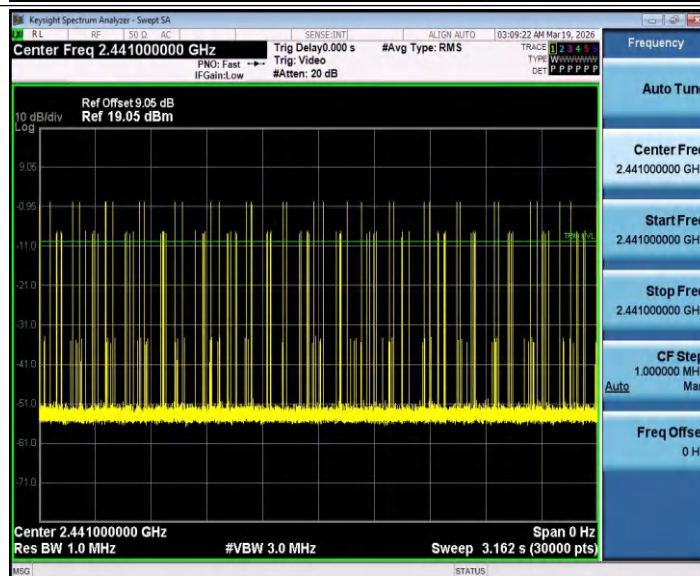
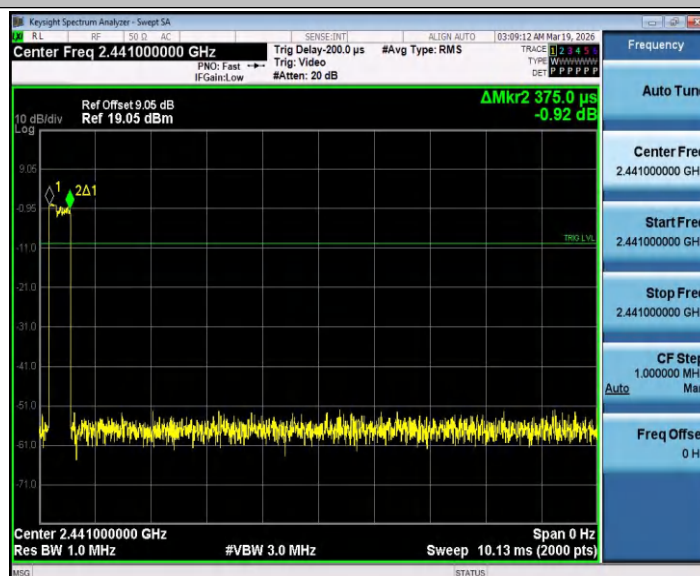


2DH3_Ant1_Hop

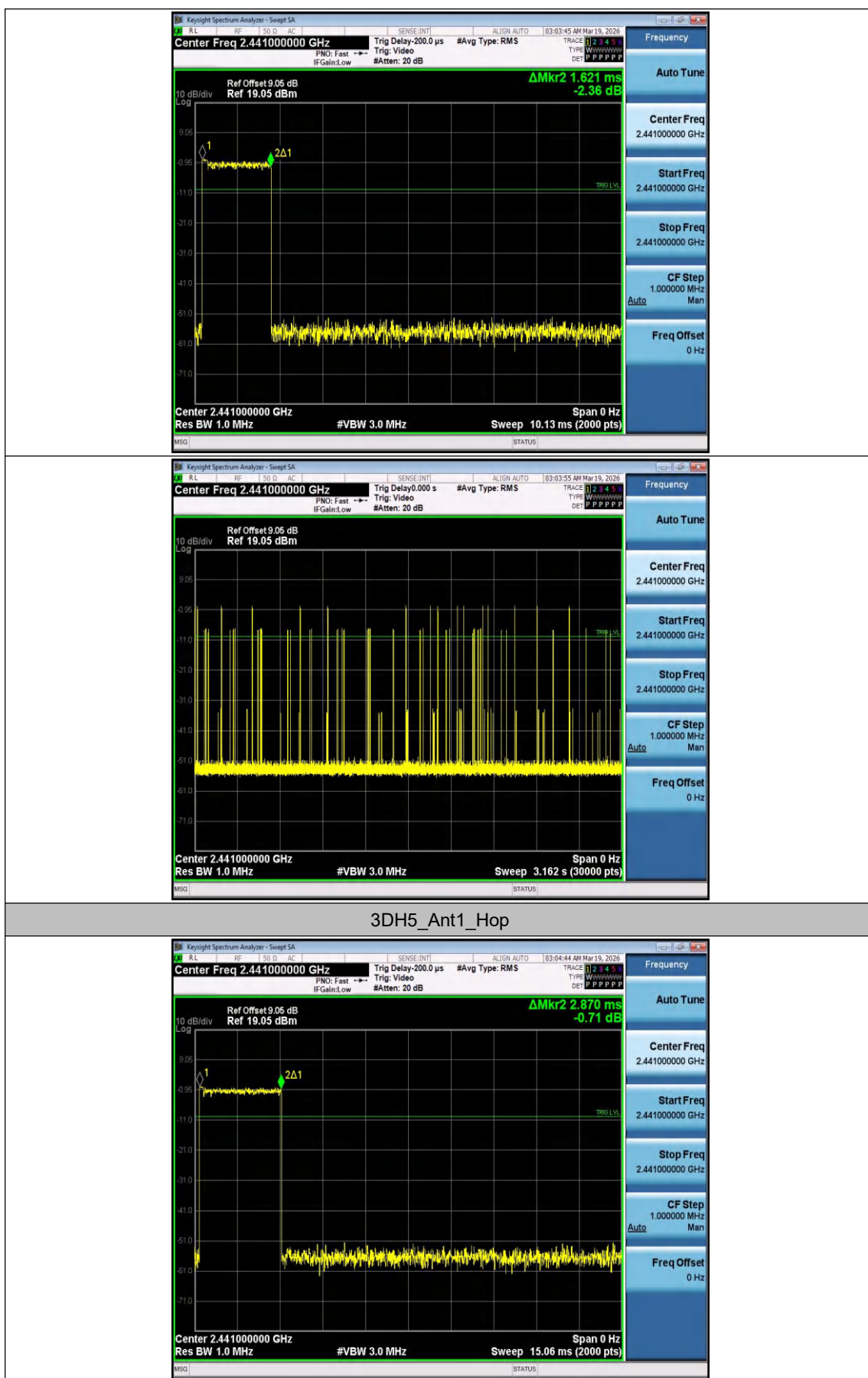


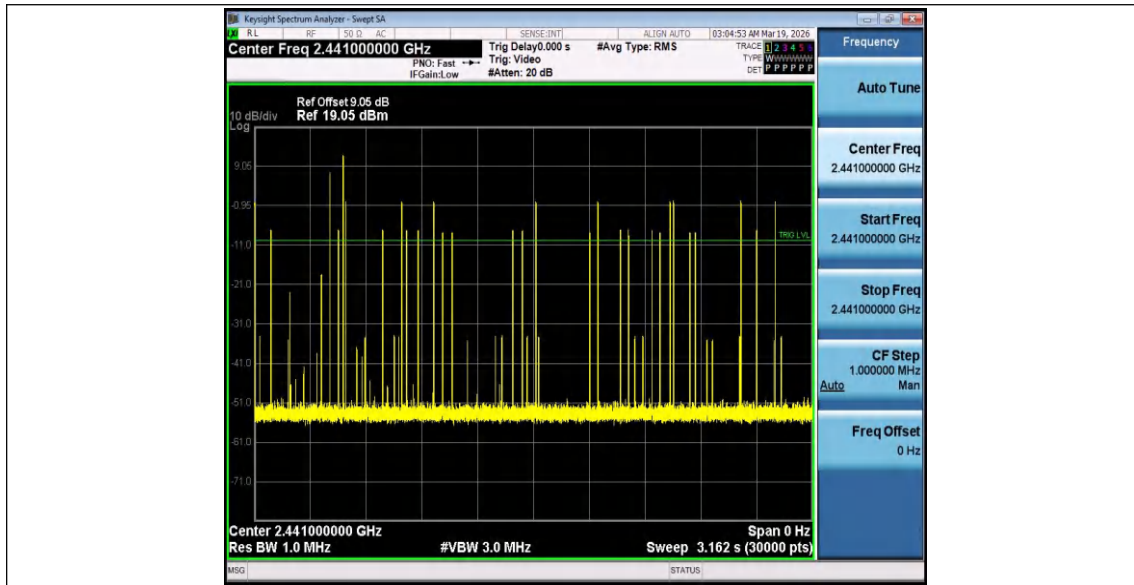


3DH1_Ant1_Hop



3DH3_Ant1_Hop





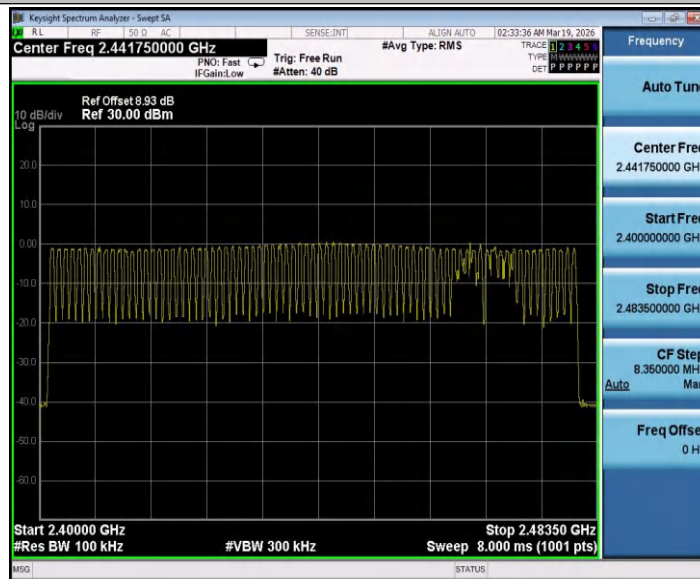
Appendix A.6: Number of hopping channels

Test Result

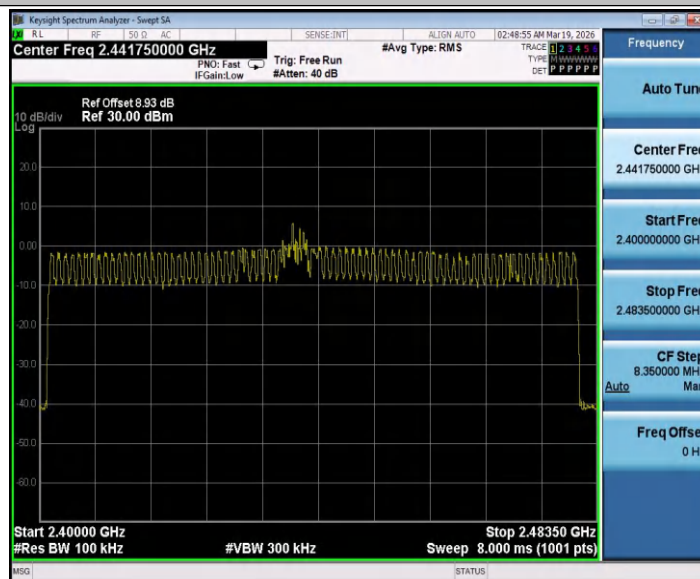
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop

Appendix A.7: Band edge measurements

Test Result

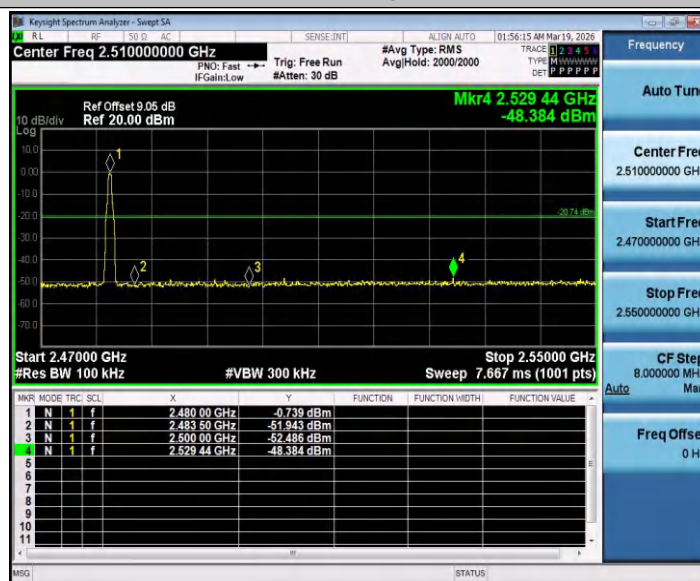
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	-0.99	-49.94	≤ -20.99	PASS
		High	2480	-0.74	-48.38	≤ -20.74	PASS
		Low	Hop_2402	-1.40	-49.18	≤ -21.4	PASS
		High	Hop_2480	-1.18	-48.63	≤ -21.18	PASS
2DH1	Ant1	Low	2402	-1.69	-50.03	≤ -21.69	PASS
		High	2480	-1.42	-48.25	≤ -21.42	PASS
		Low	Hop_2402	-3.19	-49.74	≤ -23.19	PASS
		High	Hop_2480	-1.77	-48.68	≤ -21.77	PASS
3DH1	Ant1	Low	2402	-1.71	-49.16	≤ -21.71	PASS
		High	2480	-1.45	-47.98	≤ -21.45	PASS
		Low	Hop_2402	-1.82	-49.49	≤ -21.82	PASS
		High	Hop_2480	-1.47	-48.36	≤ -21.47	PASS

Test Graphs

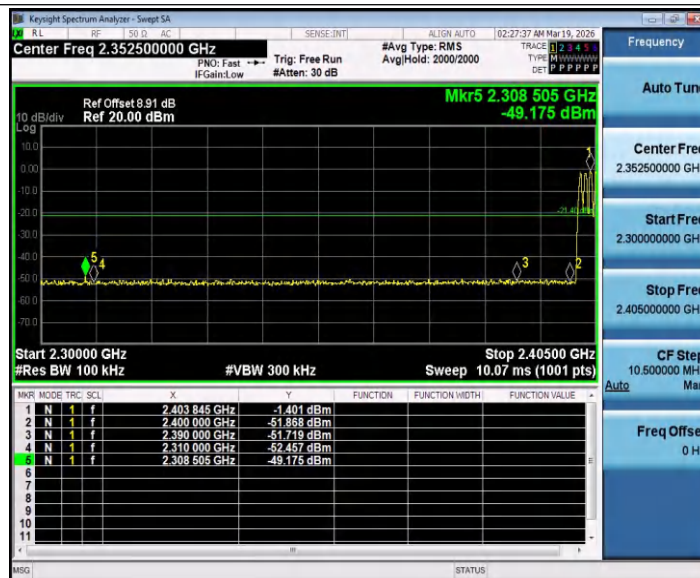
DH1_Ant1_Low_2402



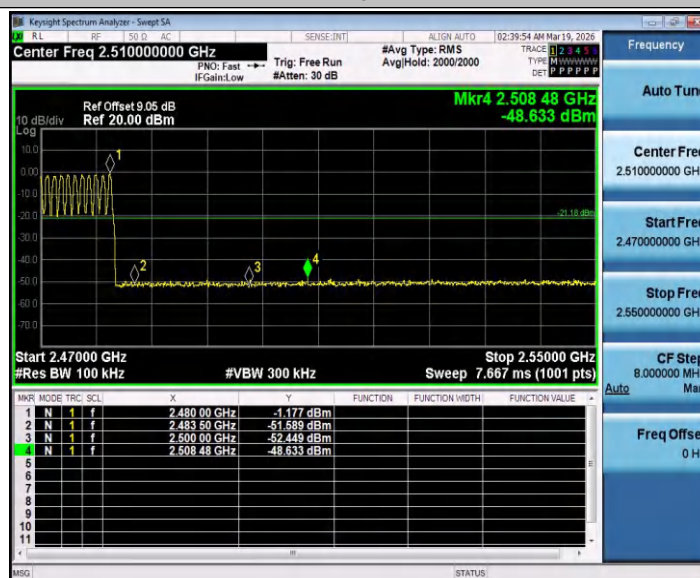
DH1_Ant1_High_2480



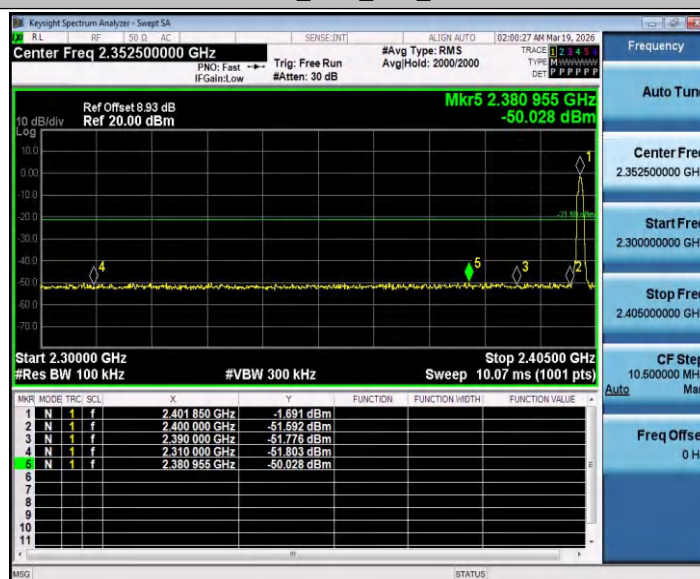
DH1_Ant1_Low_Hop_2402



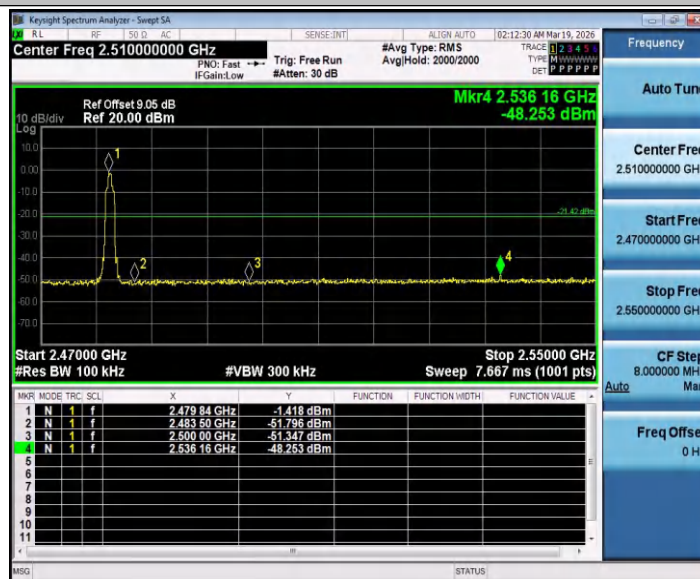
DH1_Ant1_High_Hop_2480



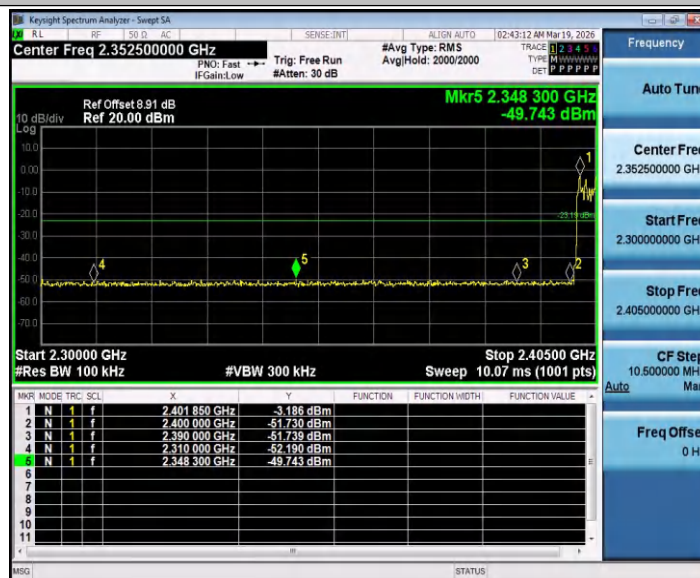
2DH1_Ant1_Low_2402



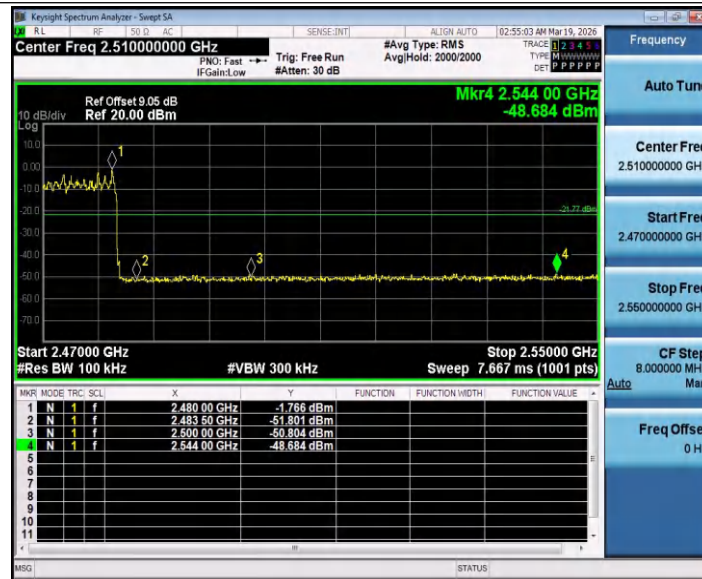
2DH1_Ant1_High_2480



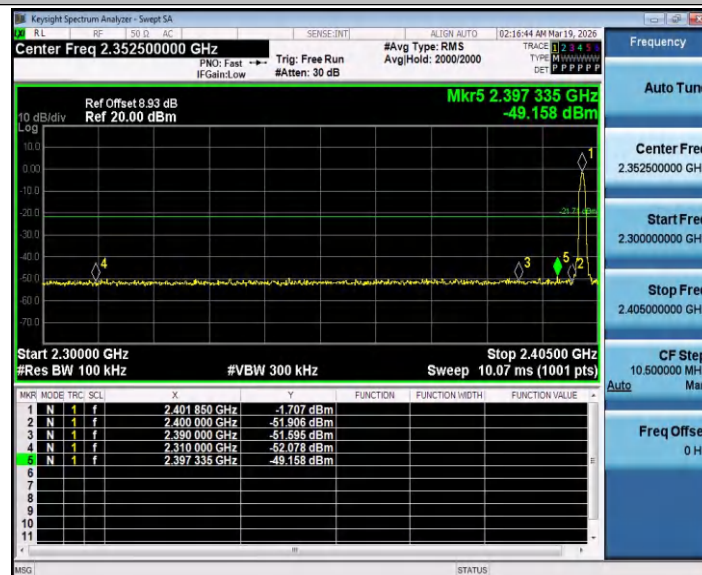
2DH1_Ant1_Low_Hop_2402



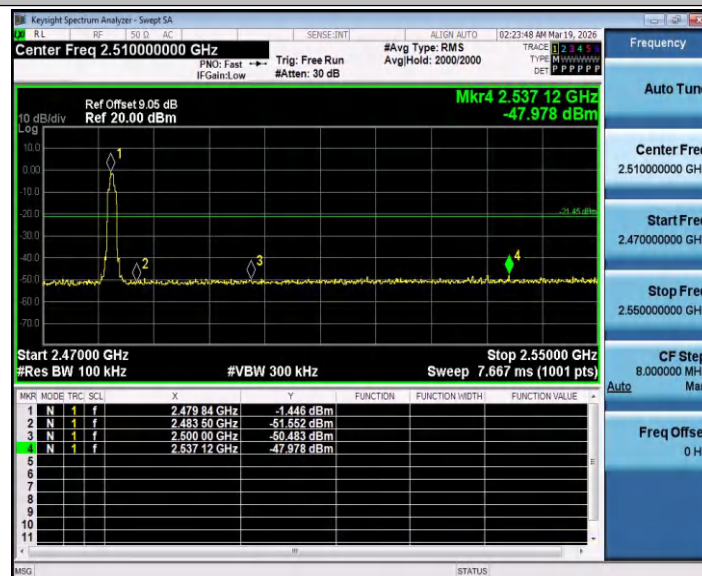
2DH1_Ant1_High_Hop_2480



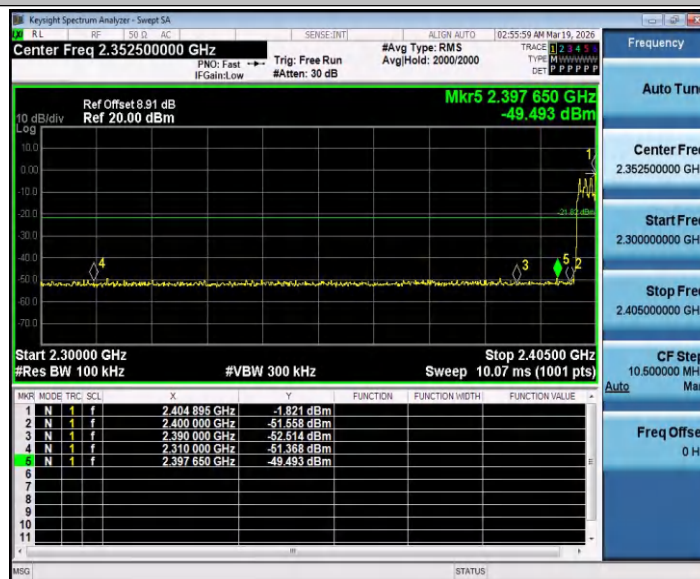
3DH1_Ant1_Low_2402



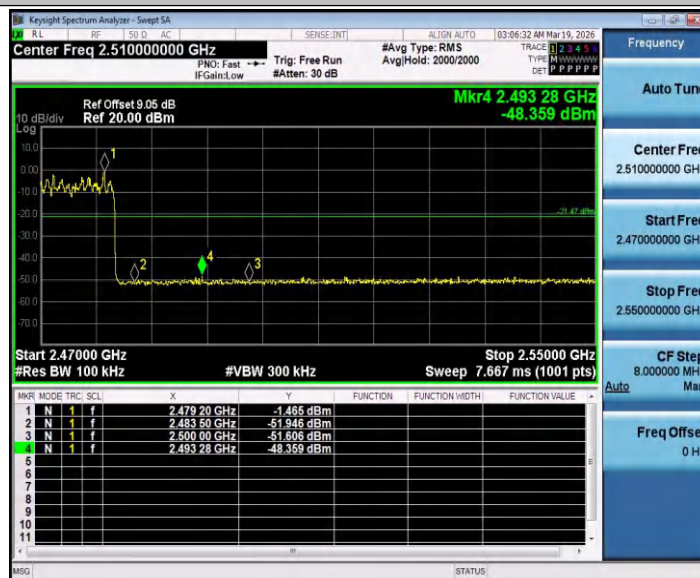
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

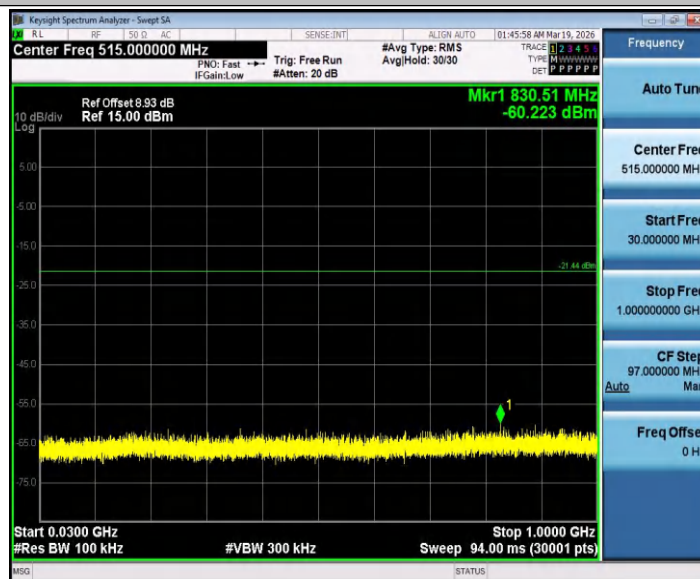
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	-1.44	-1.44	---	PASS
			30~1000	-1.44	-60.22	≤-21.44	PASS
			1000~26500	-1.44	-48.15	≤-21.44	PASS
		2441	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-60.41	≤-19.9	PASS
			1000~26500	0.10	-47	≤-19.9	PASS
		2480	Reference	-1.19	-1.19	---	PASS
			30~1000	-1.19	-60.91	≤-21.19	PASS
			1000~26500	-1.19	-47.38	≤-21.19	PASS
2DH1	Ant1	2402	Reference	-1.76	-1.76	---	PASS
			30~1000	-1.76	-60.57	≤-21.76	PASS
			1000~26500	-1.76	-47.46	≤-21.76	PASS
		2441	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-60.07	≤-20.23	PASS
			1000~26500	-0.23	-47.29	≤-20.23	PASS
		2480	Reference	-1.49	-1.49	---	PASS
			30~1000	-1.49	-59.95	≤-21.49	PASS
			1000~26500	-1.49	-47.31	≤-21.49	PASS
3DH1	Ant1	2402	Reference	-1.78	-1.78	---	PASS
			30~1000	-1.78	-60.22	≤-21.78	PASS
			1000~26500	-1.78	-47.78	≤-21.78	PASS
		2441	Reference	-0.24	-0.24	---	PASS
			30~1000	-0.24	-60.68	≤-20.24	PASS
			1000~26500	-0.24	-47.02	≤-20.24	PASS
		2480	Reference	-1.49	-1.49	---	PASS
			30~1000	-1.49	-60.17	≤-21.49	PASS
			1000~26500	-1.49	-47.64	≤-21.49	PASS

Test Graphs

DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



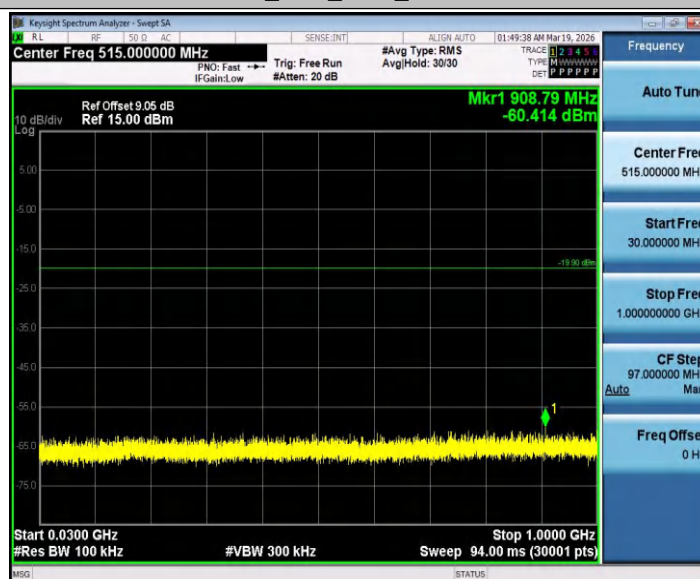
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



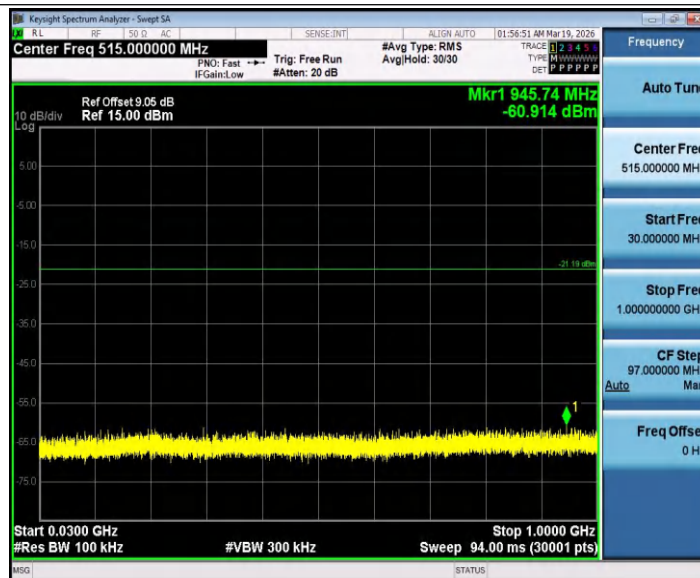
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



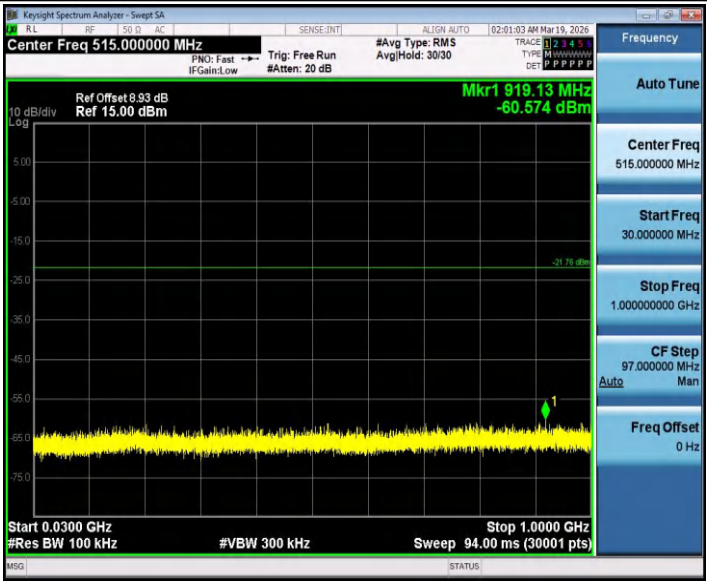
DH1_Ant1_2480_1000~26500



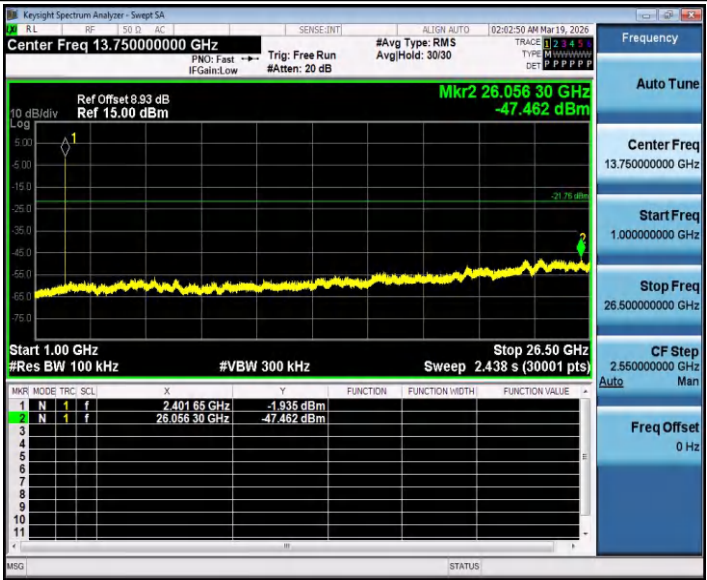
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



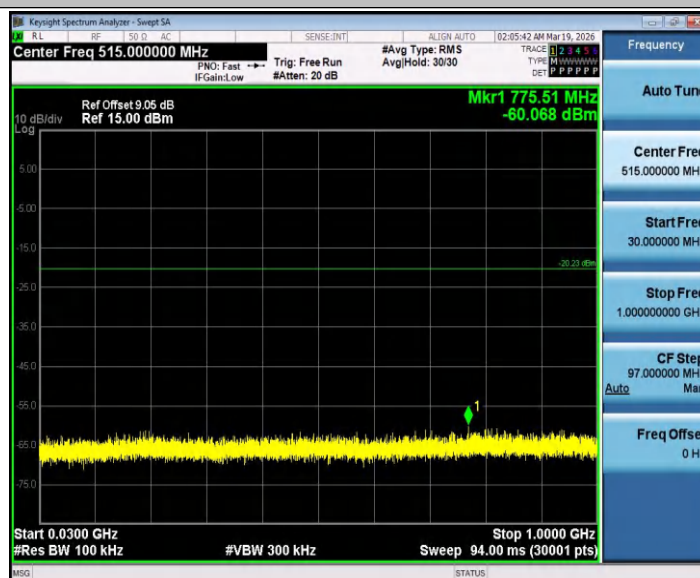
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



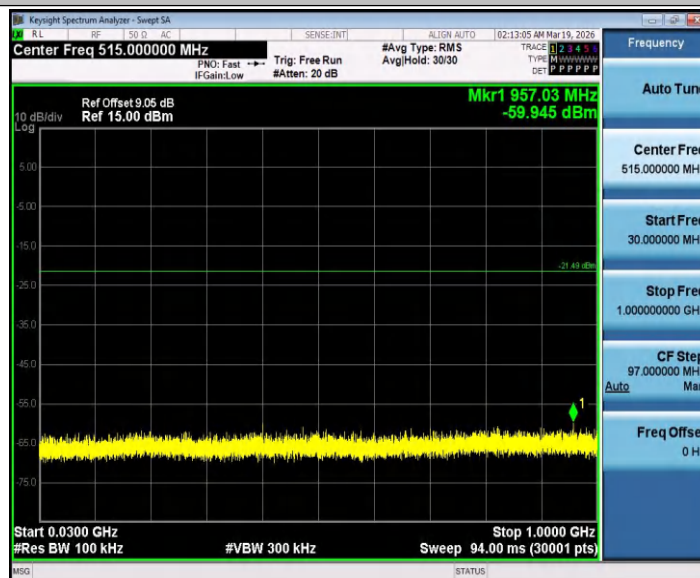
2DH1_Ant1_2441_1000~26500



2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



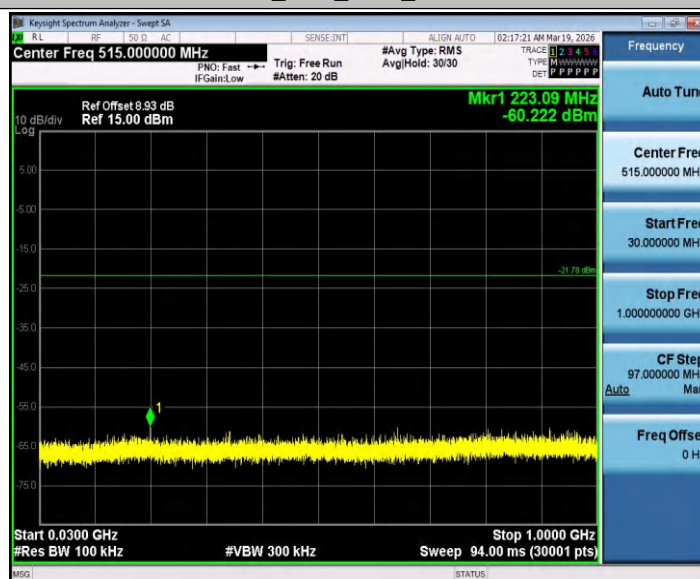
2DH1_Ant1_2480_1000~26500



3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



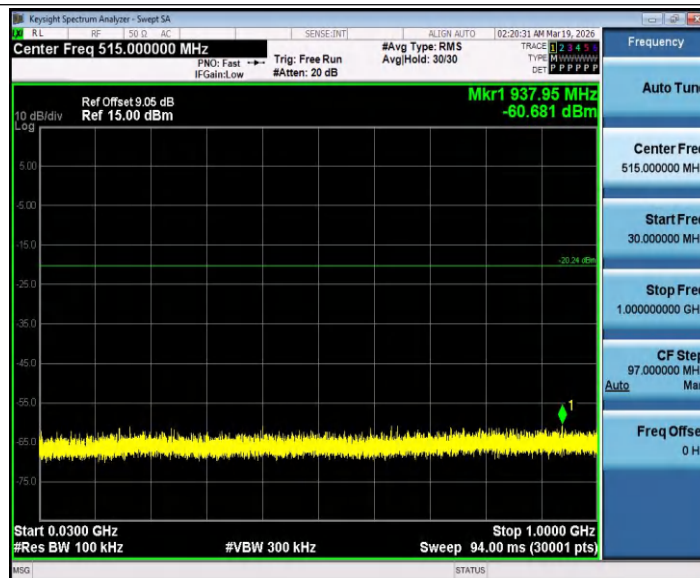
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

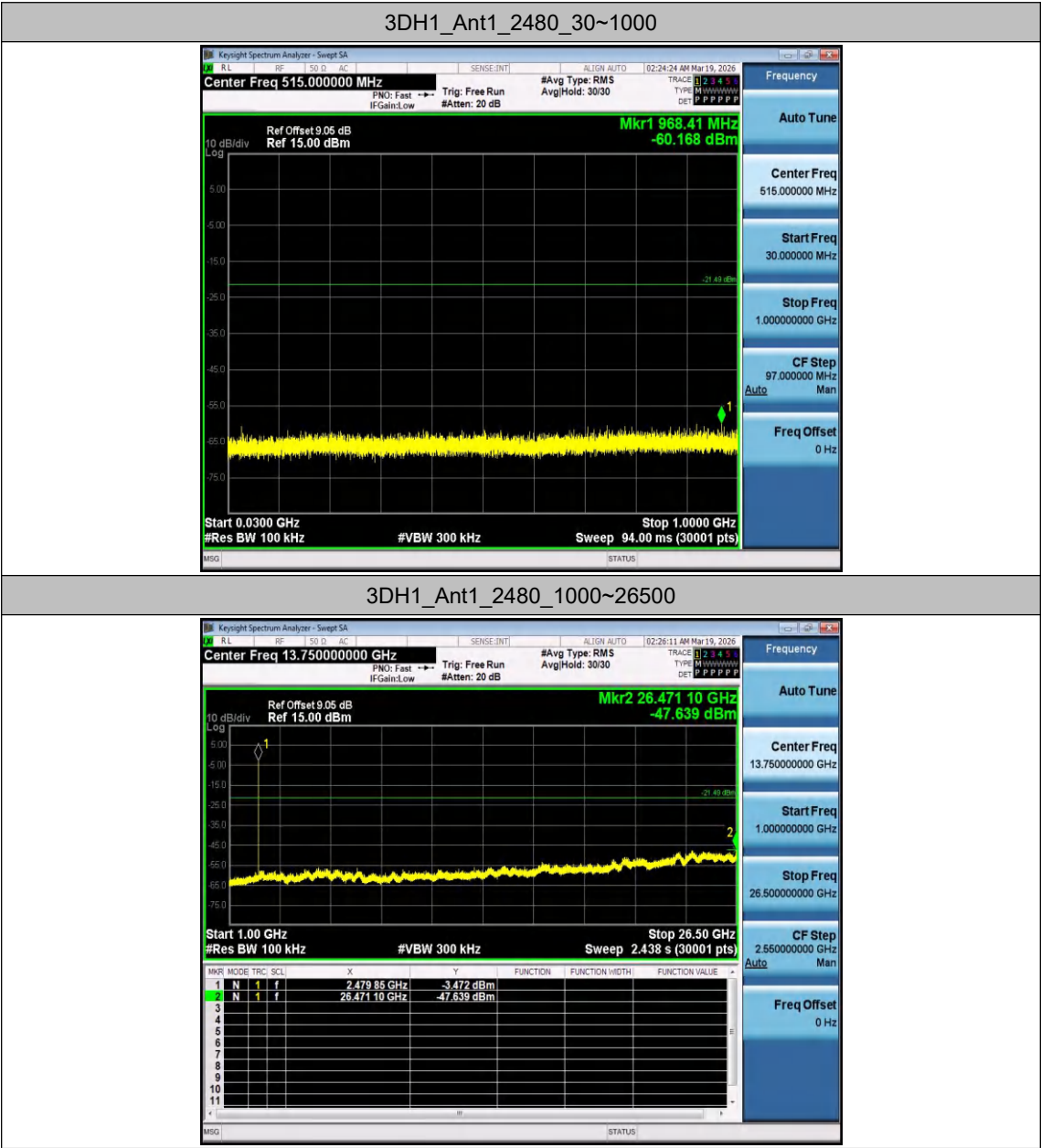


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

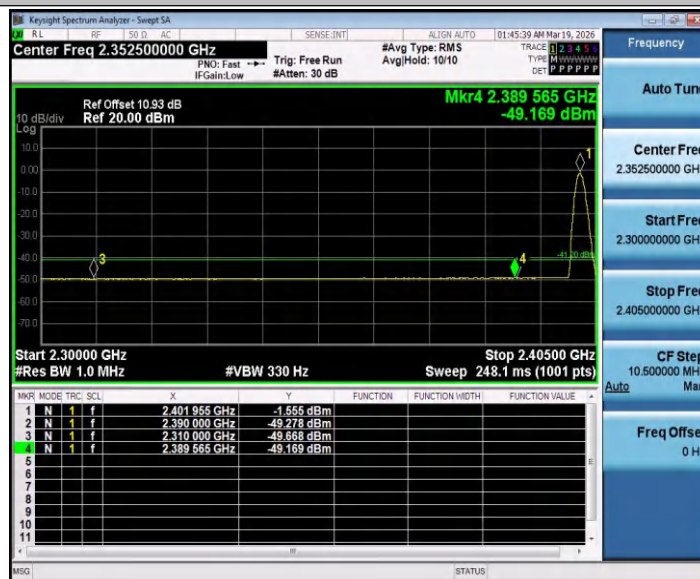
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.67	≤-41.20	45.53	≤54	PASS
				AV	2389.565	-49.17	≤-41.20	46.03	≤54	PASS
				AV	2390.000	-49.28	≤-41.20	45.92	≤54	PASS
				Peak	2310.000	-41.53	≤-21.20	53.67	≤74	PASS
				Peak	2333.810	-38.59	≤-21.20	56.61	≤74	PASS
				Peak	2390.000	-42.33	≤-21.20	52.87	≤74	PASS
		High	2480	AV	2483.500	-48.84	≤-41.20	46.36	≤54	PASS
				AV	2491.680	-48.5	≤-41.20	46.70	≤54	PASS
				AV	2500.000	-48.68	≤-41.20	46.52	≤54	PASS
				Peak	2483.500	-41.24	≤-21.20	53.96	≤74	PASS
				Peak	2488.800	-39.11	≤-21.20	56.09	≤74	PASS
				Peak	2500.000	-40.93	≤-21.20	54.27	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.58	≤-41.20	45.62	≤54	PASS
				AV	2383.055	-49.12	≤-41.20	46.08	≤54	PASS
				AV	2390.000	-49.21	≤-41.20	45.99	≤54	PASS
				Peak	2310.000	-41.89	≤-21.20	53.31	≤74	PASS
				Peak	2382.635	-38.4	≤-21.20	56.80	≤74	PASS
				Peak	2390.000	-42.98	≤-21.20	52.22	≤74	PASS
		High	2480	AV	2483.500	-48.8	≤-41.20	46.40	≤54	PASS
				AV	2496.880	-48.58	≤-41.20	46.62	≤54	PASS
				AV	2500.000	-48.66	≤-41.20	46.54	≤54	PASS
				Peak	2483.500	-41.32	≤-21.20	53.88	≤74	PASS
				Peak	2492.960	-37.53	≤-21.20	57.67	≤74	PASS
				Peak	2500.000	-41.98	≤-21.20	53.22	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.63	≤-41.20	45.57	≤54	PASS
				AV	2382.740	-49.14	≤-41.20	46.06	≤54	PASS
				AV	2390.000	-49.17	≤-41.20	46.03	≤54	PASS
				Peak	2310.000	-42.79	≤-21.20	52.41	≤74	PASS
				Peak	2371.505	-39.05	≤-21.20	56.15	≤74	PASS
				Peak	2390.000	-42.11	≤-21.20	53.09	≤74	PASS
		High	2480	AV	2483.500	-48.83	≤-41.20	46.37	≤54	PASS
				AV	2498.240	-48.53	≤-41.20	46.67	≤54	PASS
				AV	2500.000	-48.64	≤-41.20	46.56	≤54	PASS
				Peak	2483.500	-40	≤-21.20	55.20	≤74	PASS
				Peak	2484.480	-38.8	≤-21.20	56.40	≤74	PASS
				Peak	2500.000	-38.97	≤-21.20	56.23	≤74	PASS

Note:

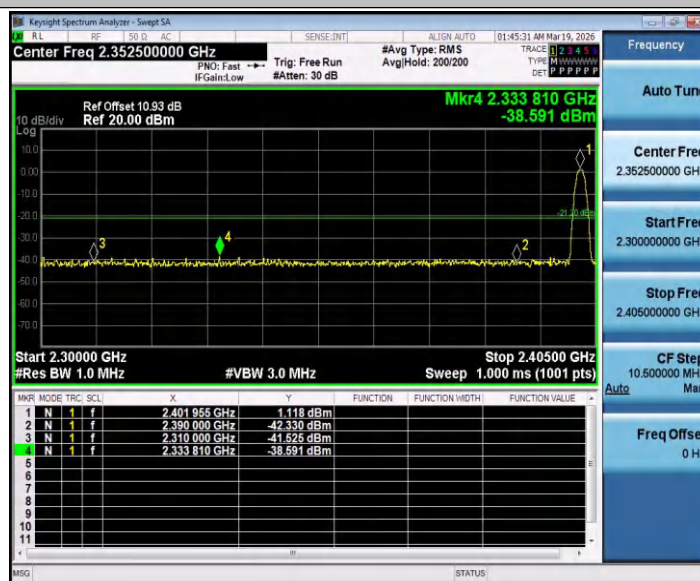
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

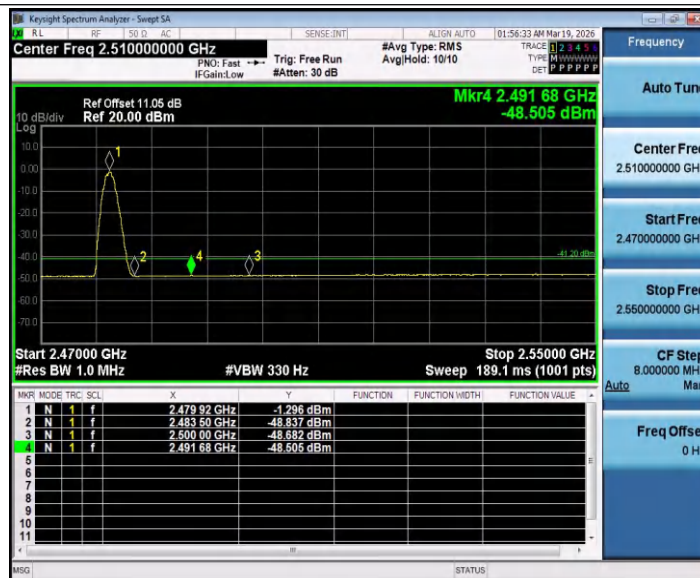
DH1_Ant1_Low_2402_AV



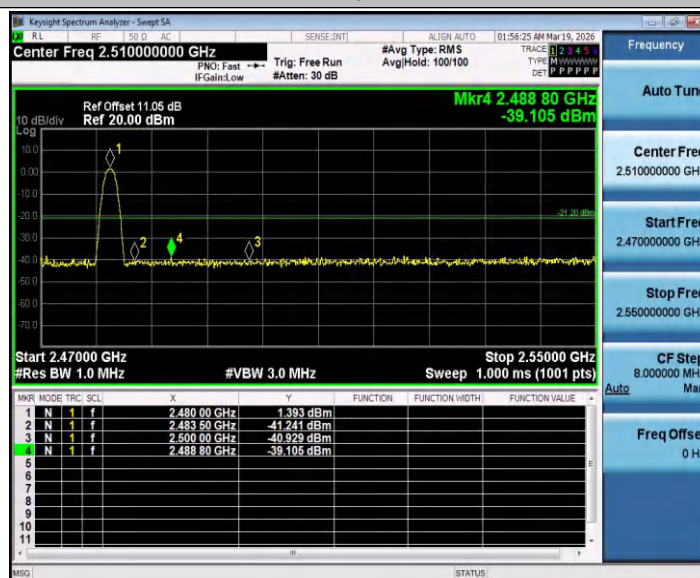
DH1_Ant1_Low_2402_Peak



DH1_Ant1_High_2480_AV



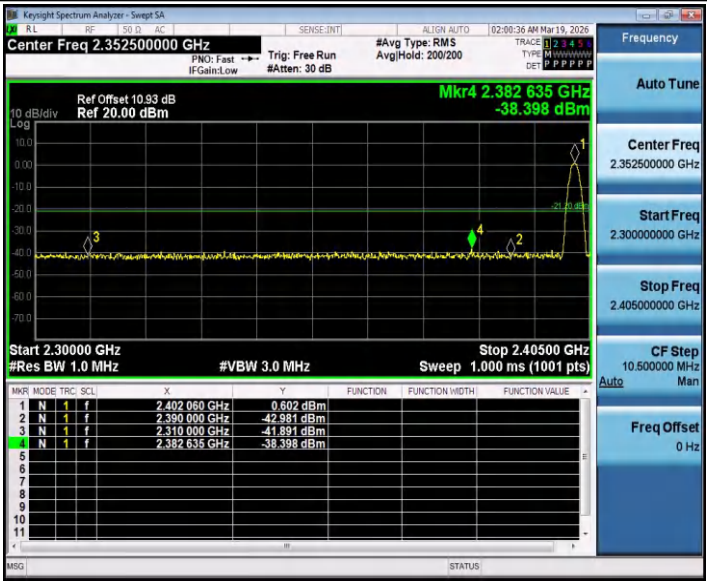
DH1_Ant1_High_2480_Peak



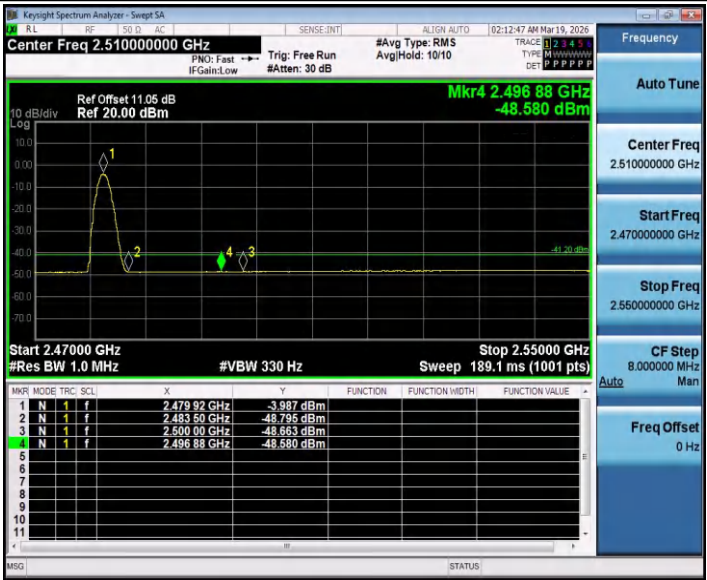
2DH1_Ant1_Low_2402_AV



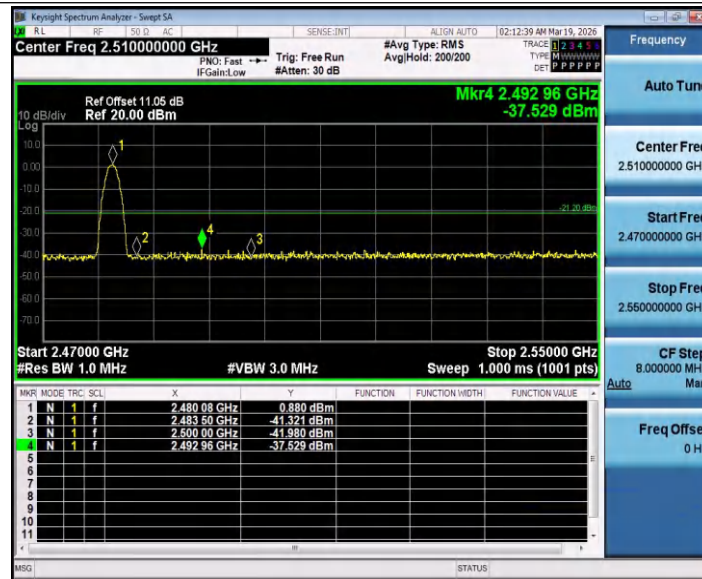
2DH1_Ant1_Low_2402_Peak



2DH1_Ant1_High_2480_AV



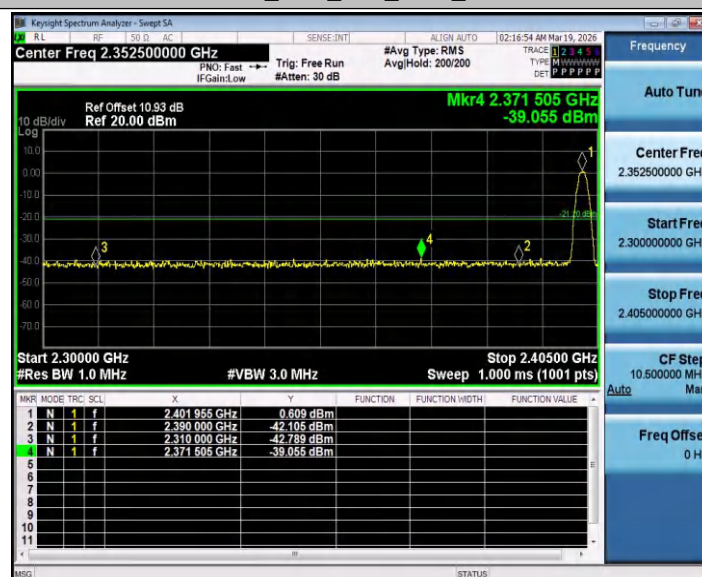
2DH1_Ant1_High_2480_Peak



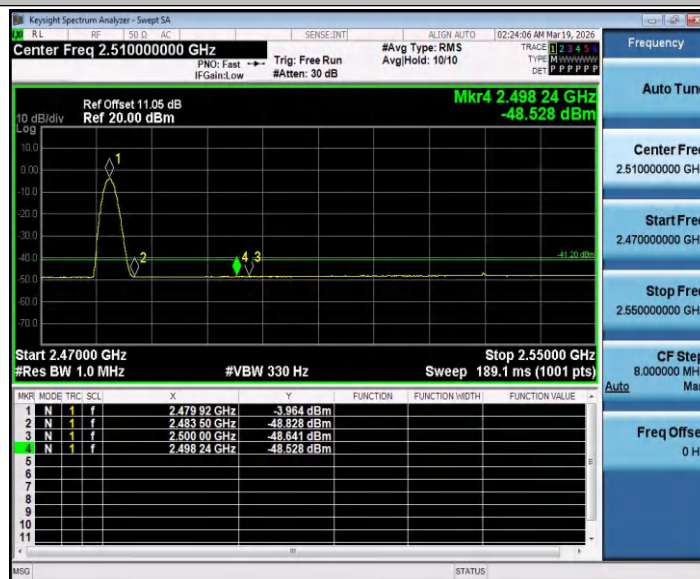
3DH1_Ant1_Low_2402_AV



3DH1_Ant1_Low_2402_Peak



3DH1_Ant1_High_2480_AV



3DH1_Ant1_High_2480_Peak

