

Case No. : <u>GTS20260414012-1-02</u>	
Ambient Condition: <u>26</u> °C, <u>53</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2026.4.20</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	0.768	2401.610	2402.378	---	---
		2441	0.795	2440.598	2441.393	---	---
		2480	0.798	2479.595	2480.393	---	---
2DH1	Ant1	2402	1.221	2401.376	2402.597	---	---
		2441	1.236	2440.385	2441.621	---	---
		2480	1.212	2479.373	2480.585	---	---
3DH1	Ant1	2402	1.212	2401.406	2402.618	---	---
		2441	1.224	2440.400	2441.624	---	---
		2480	1.221	2479.400	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

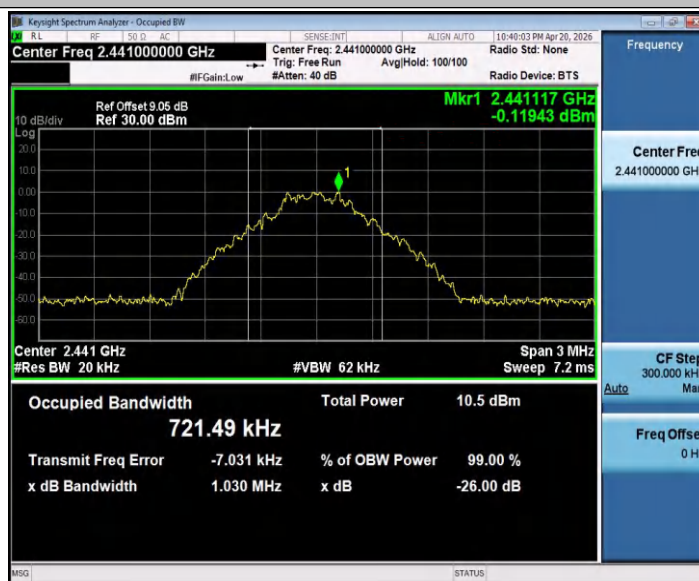
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.71119	2401.6347	2402.3459	---	---
		2441	0.72149	2440.6322	2441.3537	---	---
		2480	0.70978	2479.6350	2480.3448	---	---
2DH1	Ant1	2402	1.1335	2401.4289	2402.5624	---	---
		2441	1.1353	2440.4304	2441.5657	---	---
		2480	1.1415	2479.4263	2480.5678	---	---
3DH1	Ant1	2402	1.1291	2401.4421	2402.5712	---	---
		2441	1.1312	2440.4412	2441.5724	---	---
		2480	1.1284	2479.4417	2480.5701	---	---

Test Graphs

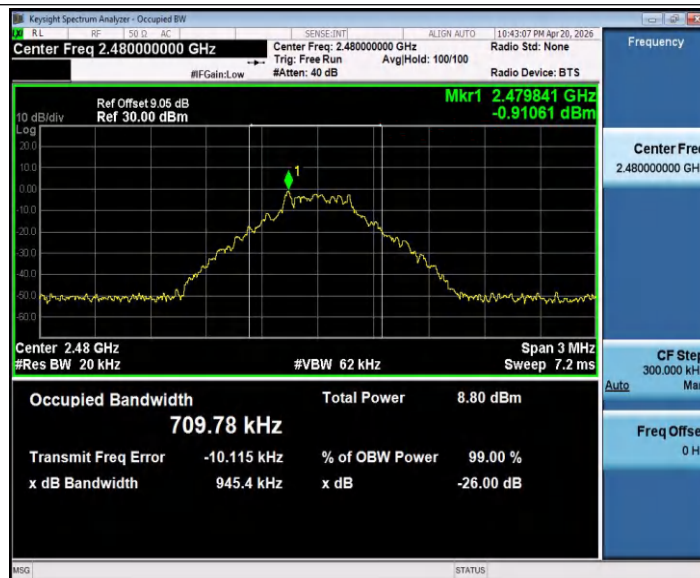
DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



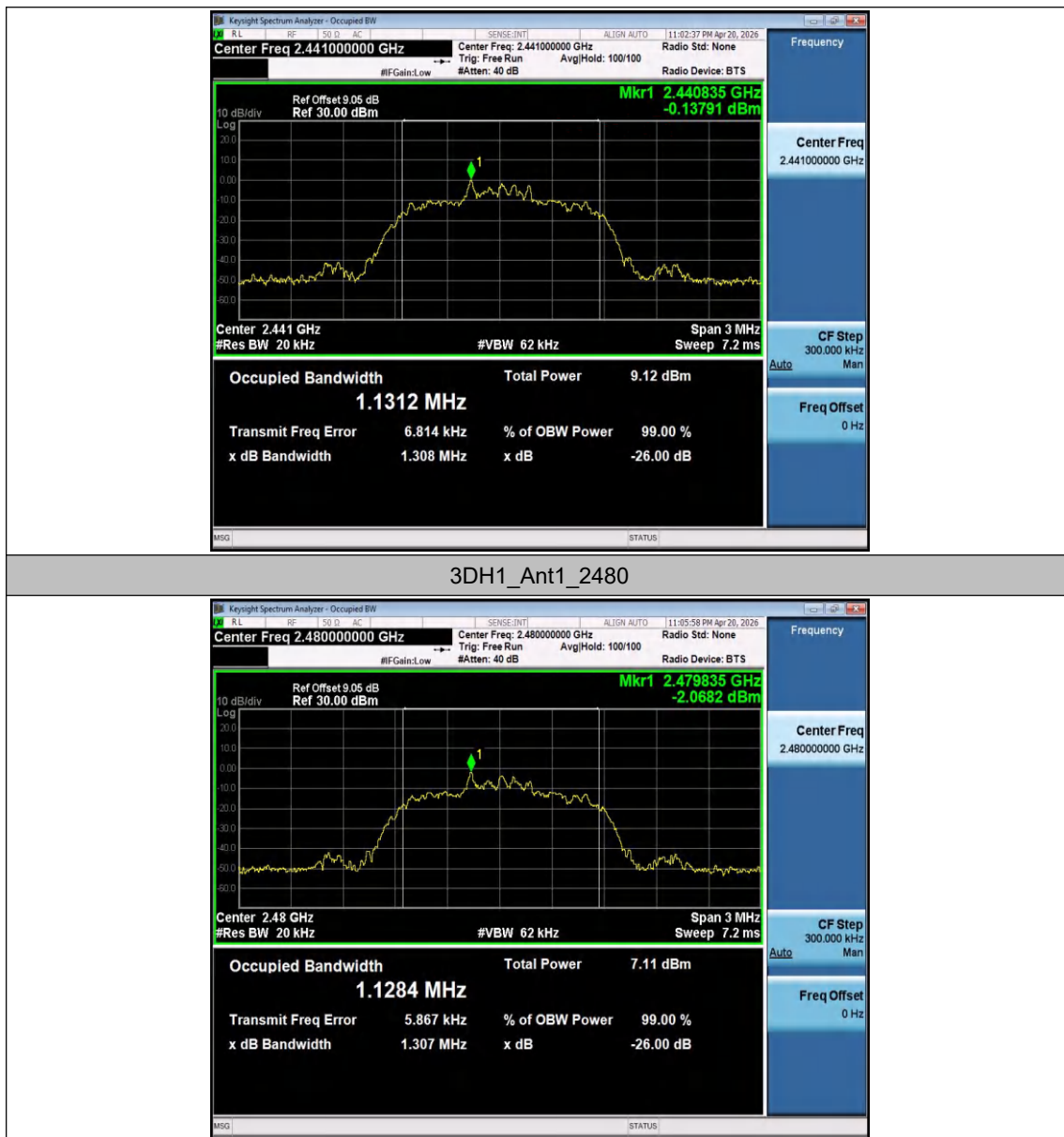
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



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	2.99	≤ 20.97	PASS
		2441	4.91	≤ 20.97	PASS
		2480	2.92	≤ 20.97	PASS
2DH1	Ant1	2402	2.14	≤ 20.97	PASS
		2441	4.04	≤ 20.97	PASS
		2480	2.15	≤ 20.97	PASS
3DH1	Ant1	2402	2.19	≤ 20.97	PASS
		2441	4.12	≤ 20.97	PASS
		2480	2.17	≤ 20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	0.992	≥ 0.532	PASS
		Hop_2441	1.166	≥ 0.532	PASS
		Hop_2480	1	≥ 0.532	PASS
2DH1	Ant1	Hop_2402	0.994	≥ 0.824	PASS
		Hop_2441	0.984	≥ 0.824	PASS
		Hop_2480	1.14	≥ 0.824	PASS
3DH1	Ant1	Hop_2402	1.014	≥ 0.816	PASS
		Hop_2441	1.054	≥ 0.816	PASS
		Hop_2480	0.99	≥ 0.816	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

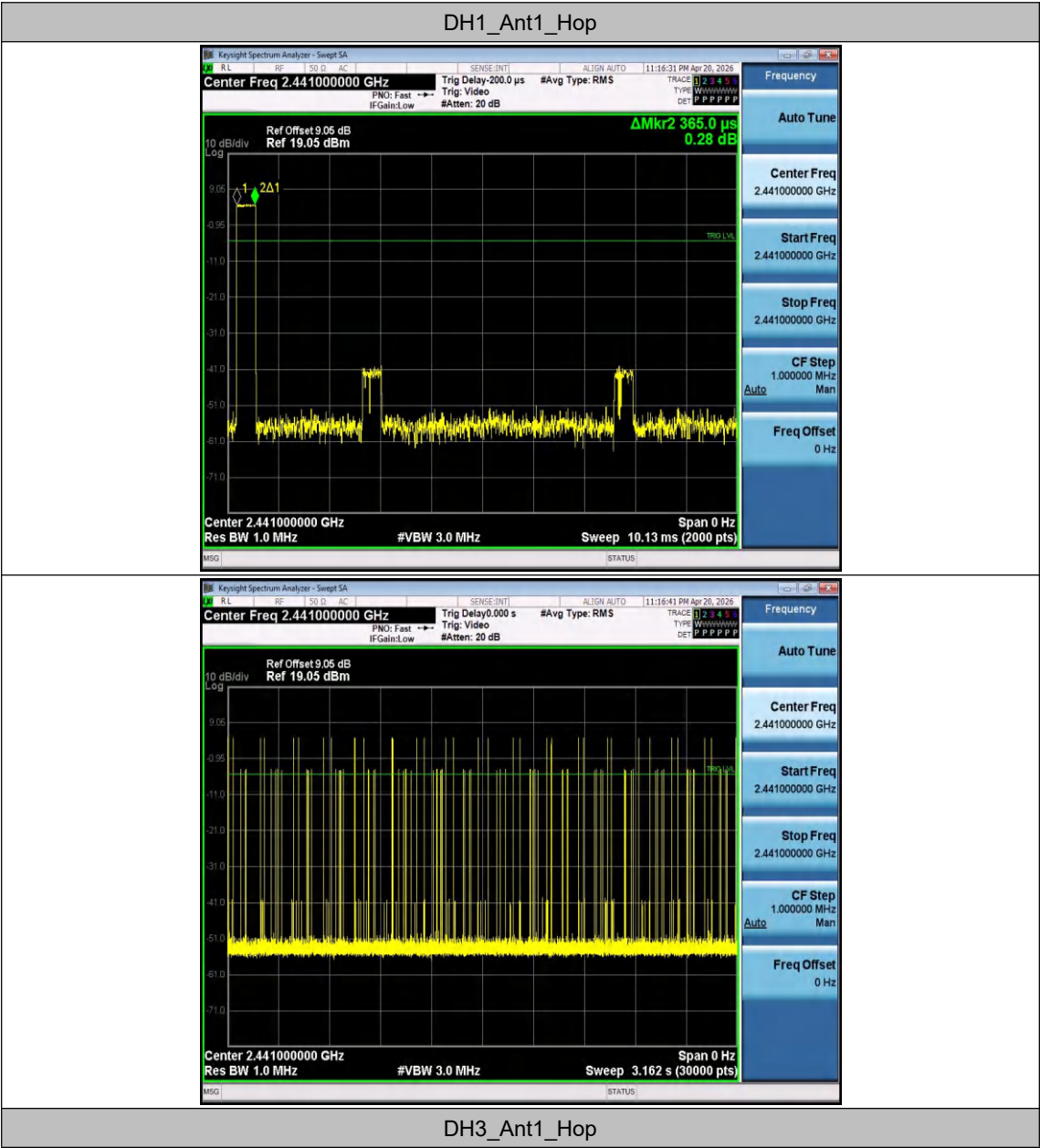


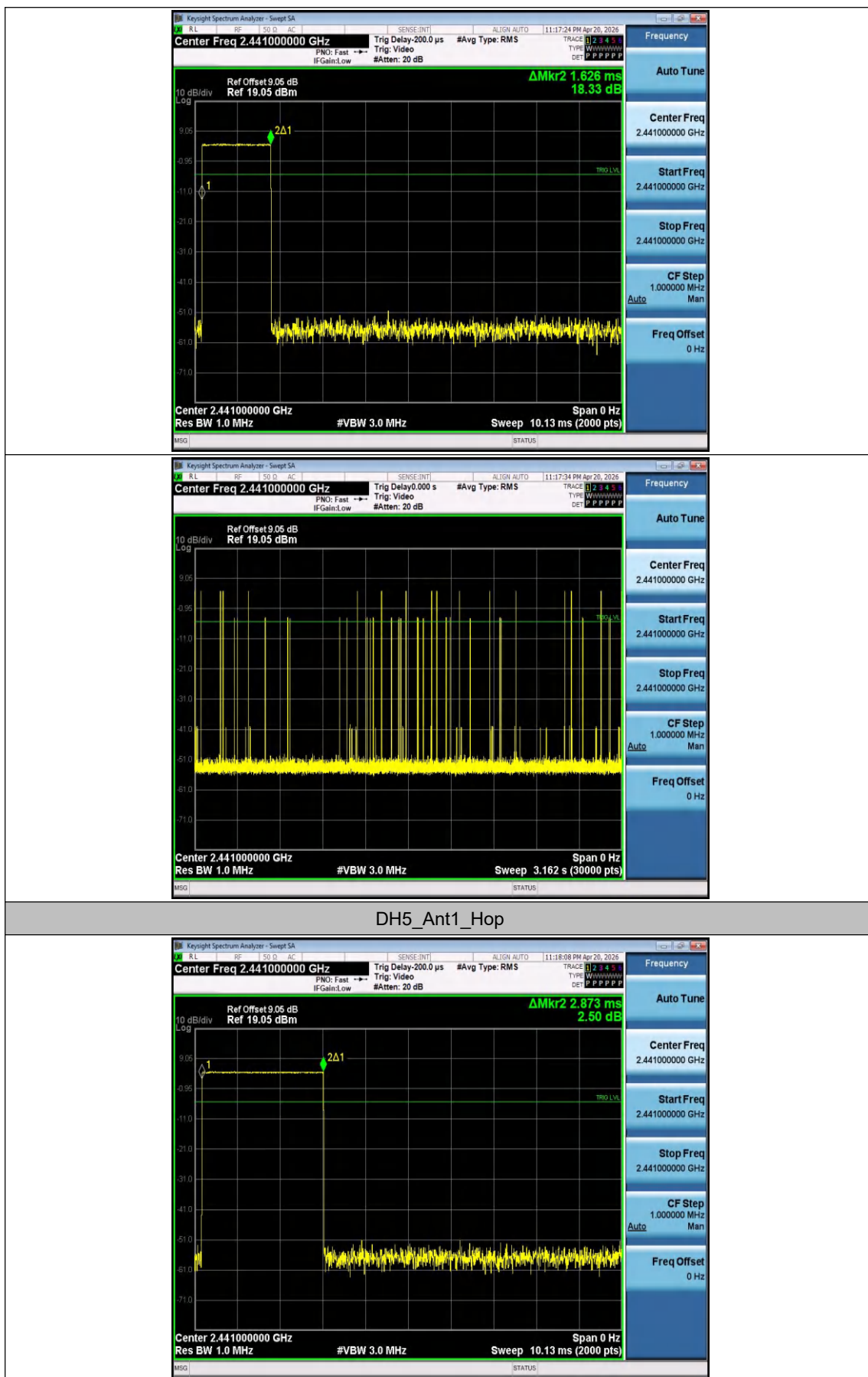
Appendix A.5: Time of occupancy

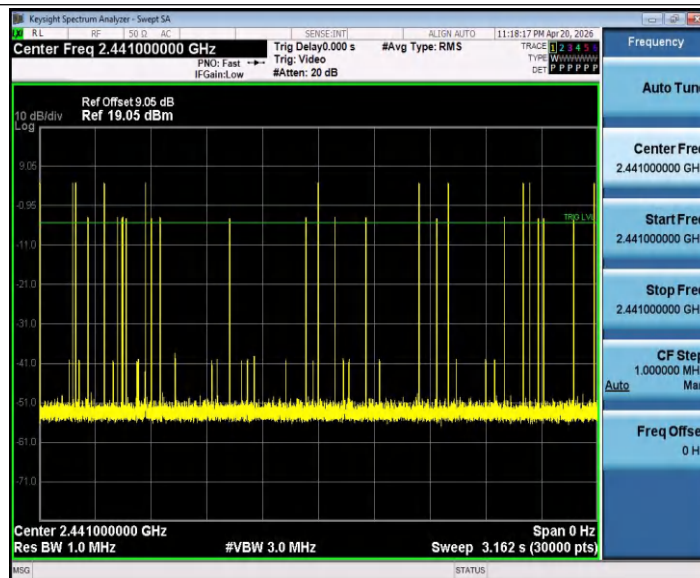
Test Result

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	1.626	170	0.276	≤0.4	PASS
DH5	Ant1	Hop	2.873	110	0.316	≤0.4	PASS
2DH1	Ant1	Hop	0.370	320	0.118	≤0.4	PASS
2DH3	Ant1	Hop	1.626	170	0.276	≤0.4	PASS
2DH5	Ant1	Hop	2.878	110	0.317	≤0.4	PASS
3DH1	Ant1	Hop	0.375	320	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.626	160	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.873	110	0.316	≤0.4	PASS

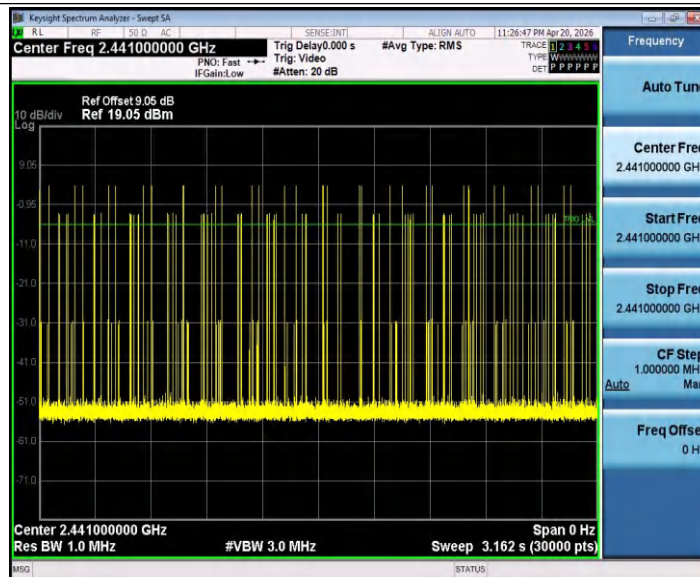
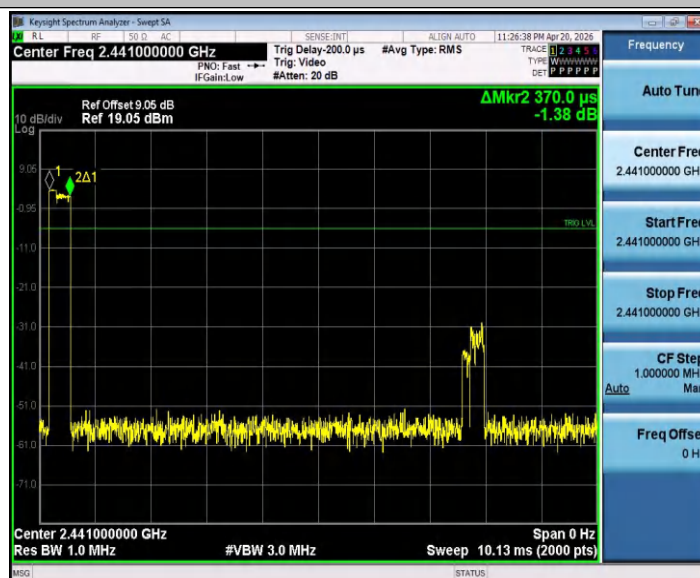
Test Graphs



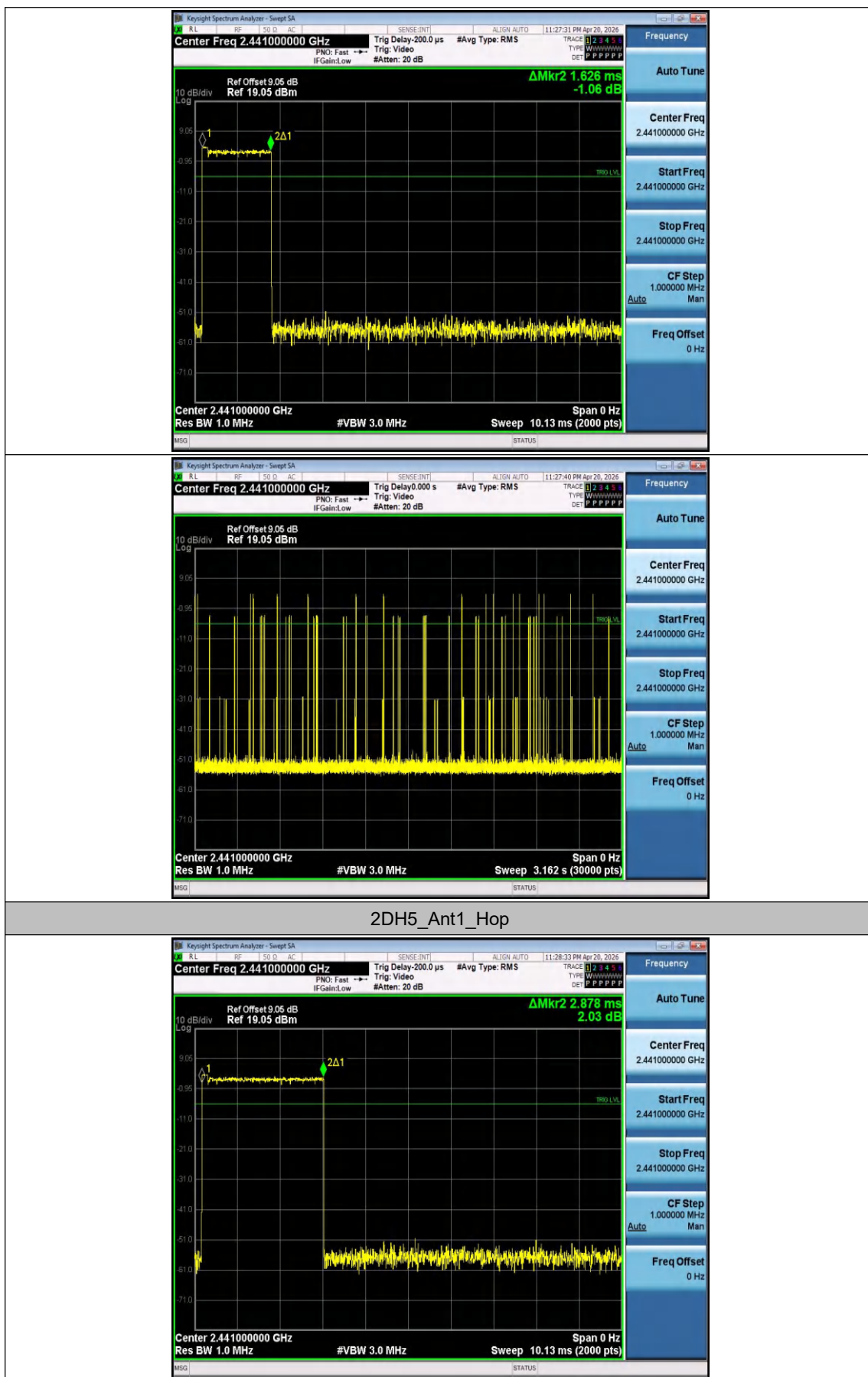


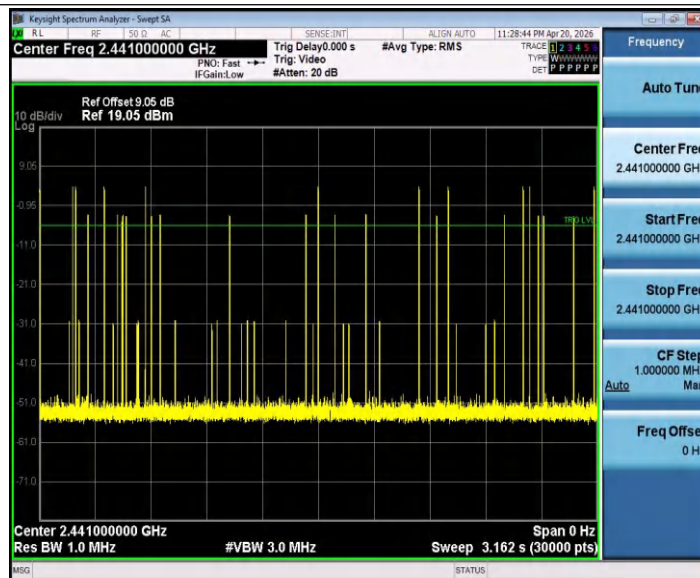


2DH1_Ant1_Hop

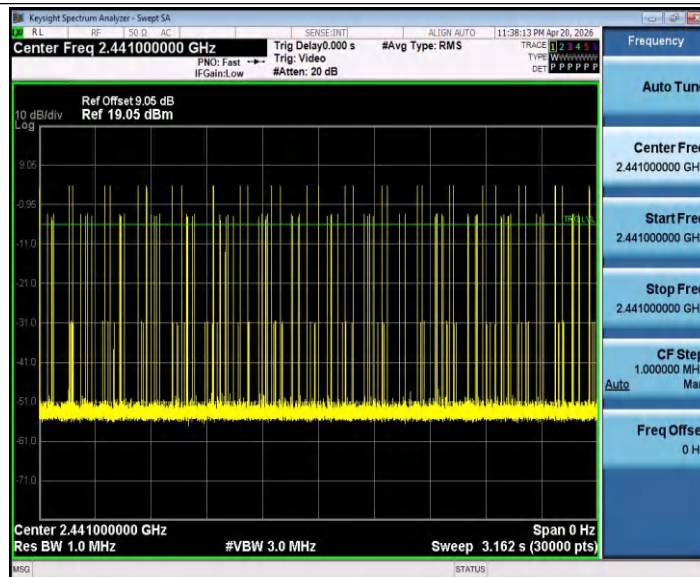
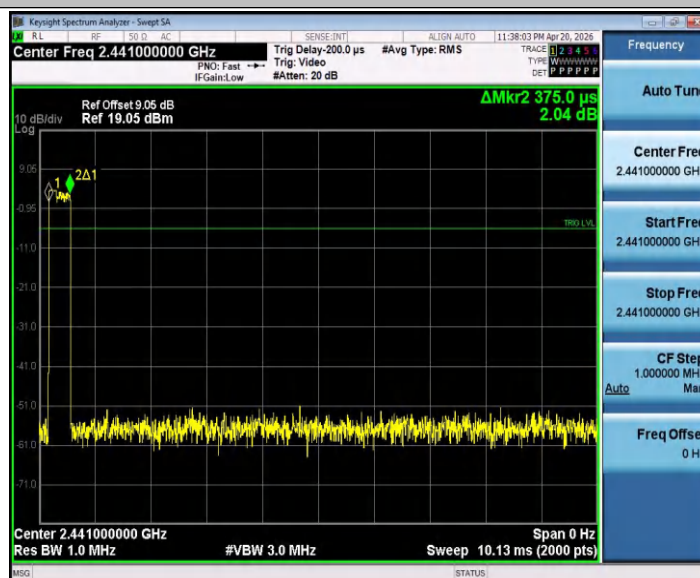


2DH3_Ant1_Hop

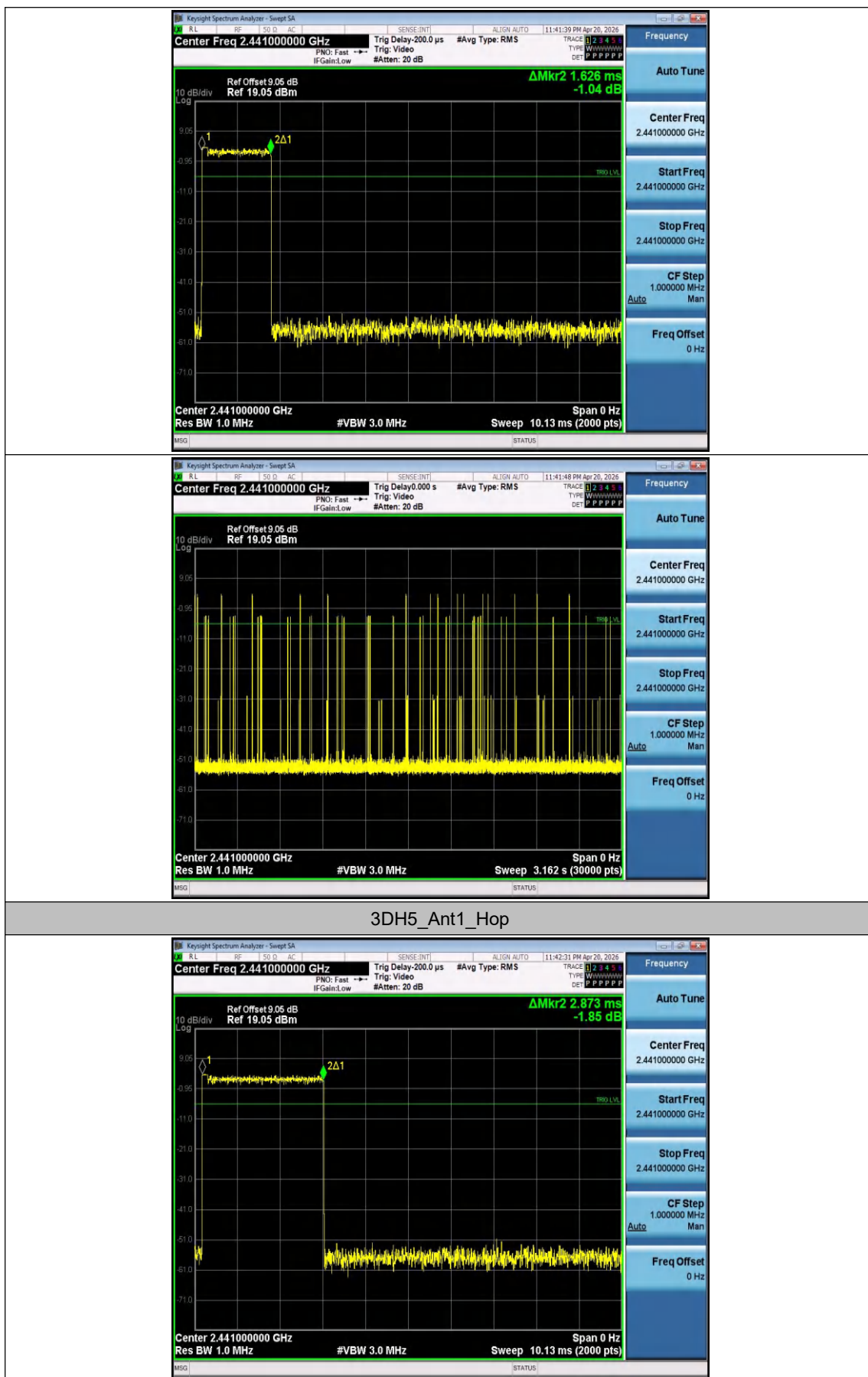


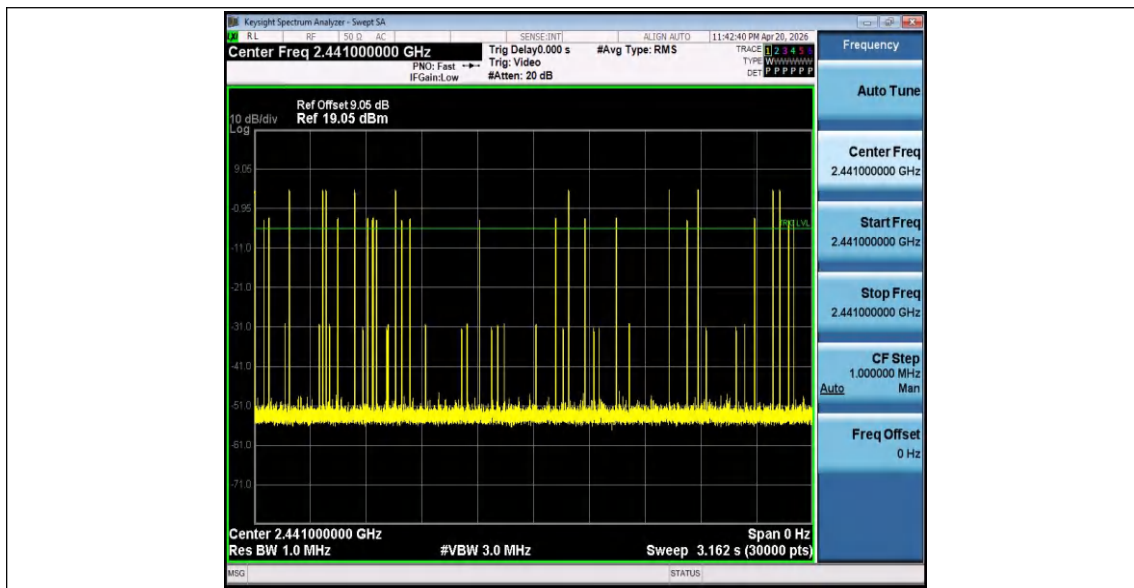


3DH1_Ant1_Hop



3DH3_Ant1_Hop



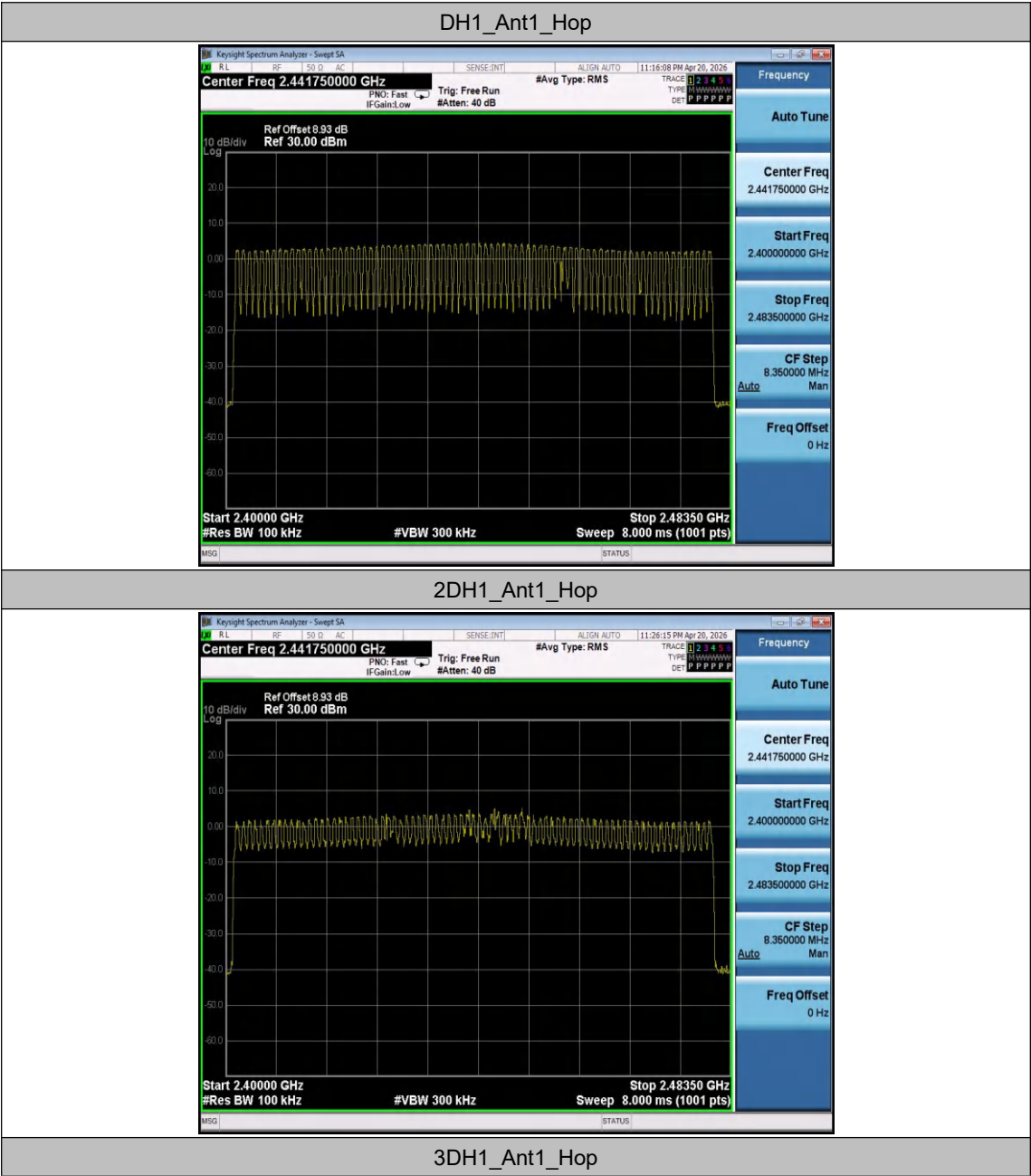


Appendix A.6: Number of hopping channels

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



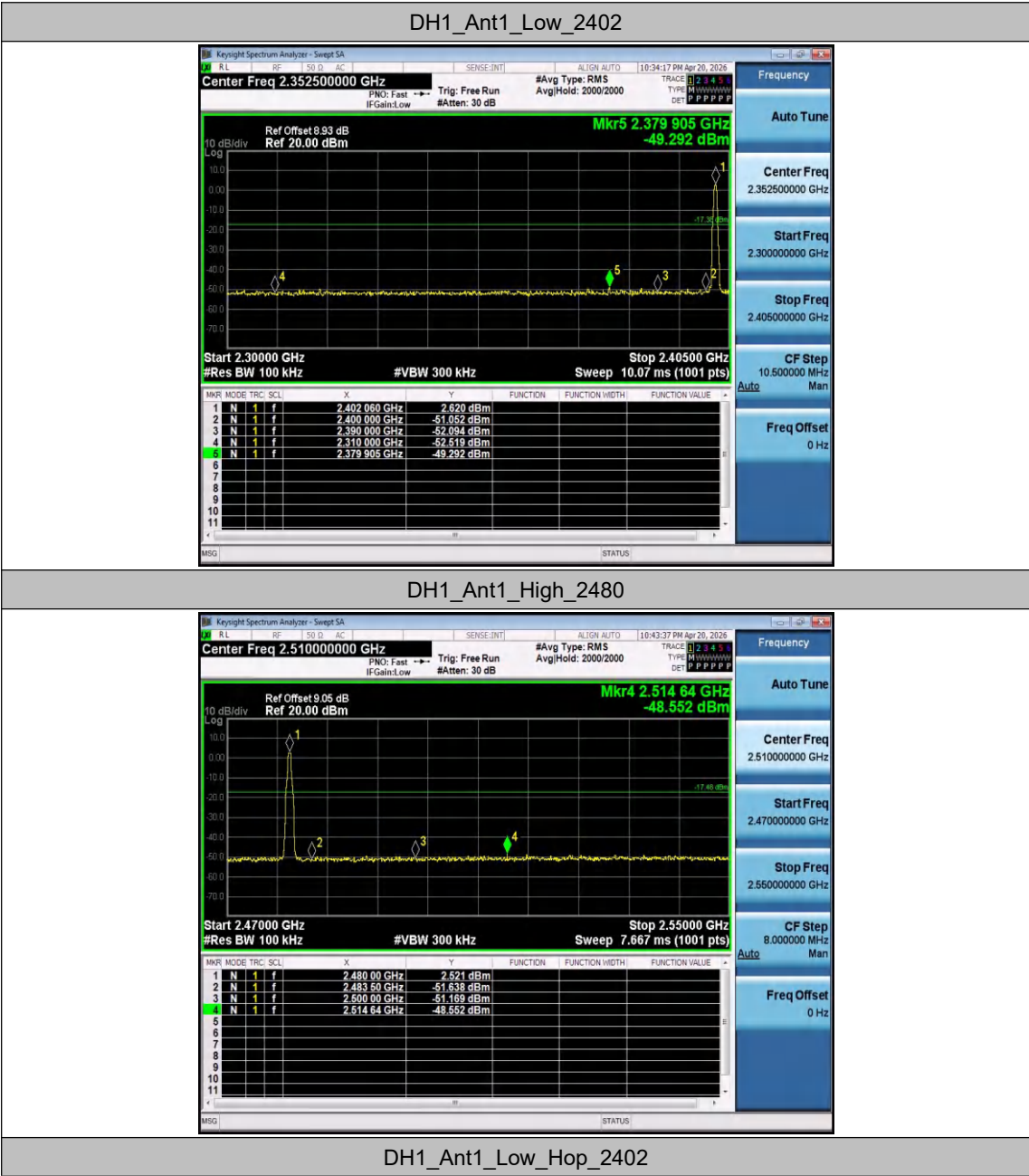


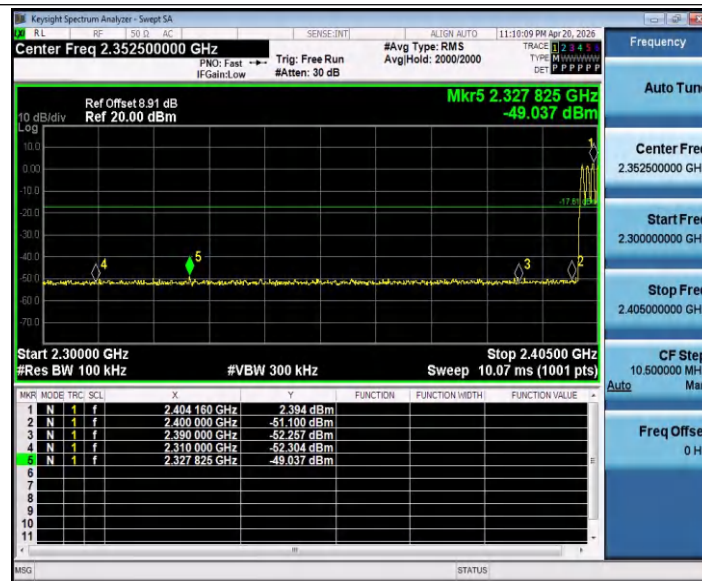
Appendix A.7: Band edge measurements

Test Result

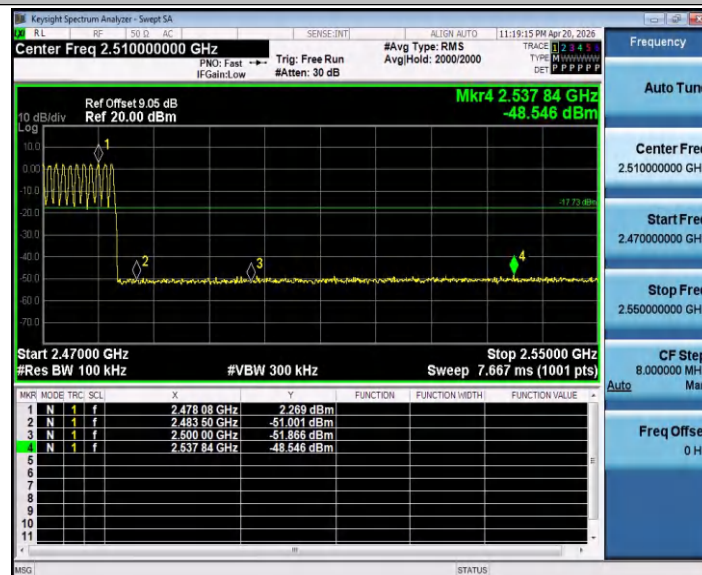
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	2.62	-49.29	≤ -17.38	PASS
		High	2480	2.52	-48.55	≤ -17.48	PASS
		Low	Hop_2402	2.39	-49.04	≤ -17.61	PASS
		High	Hop_2480	2.27	-48.55	≤ -17.73	PASS
2DH1	Ant1	Low	2402	1.77	-49.64	≤ -18.23	PASS
		High	2480	1.81	-48.82	≤ -18.19	PASS
		Low	Hop_2402	1.50	-49.4	≤ -18.5	PASS
		High	Hop_2480	0.97	-48.84	≤ -19.03	PASS
3DH1	Ant1	Low	2402	1.77	-49.56	≤ -18.23	PASS
		High	2480	1.80	-48.9	≤ -18.2	PASS
		Low	Hop_2402	1.70	-49.65	≤ -18.3	PASS
		High	Hop_2480	0.70	-48.52	≤ -19.3	PASS

Test Graphs





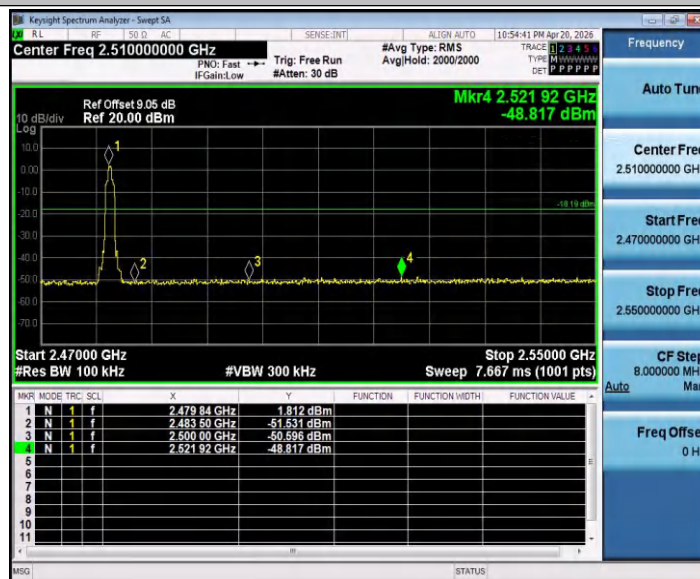
DH1_Ant1_High_Hop_2480



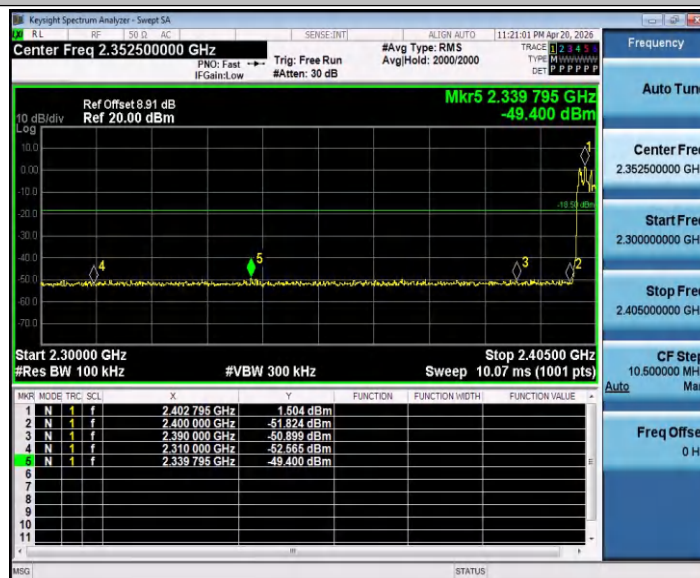
2DH1_Ant1_Low_2402



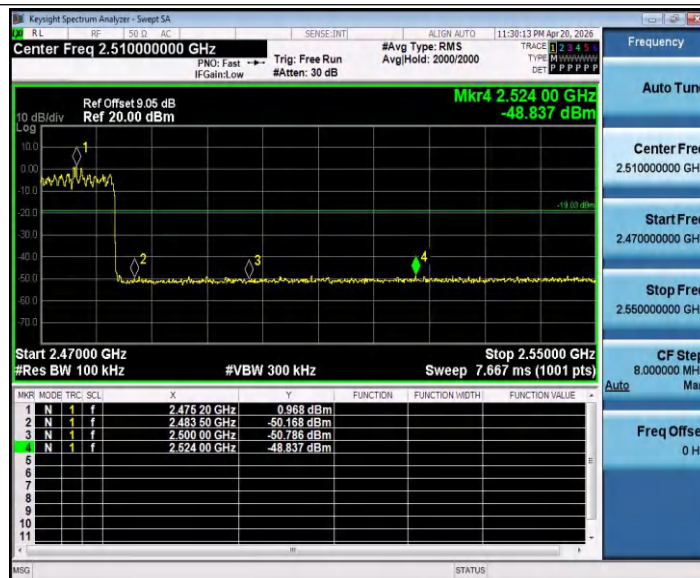
2DH1_Ant1_High_2480



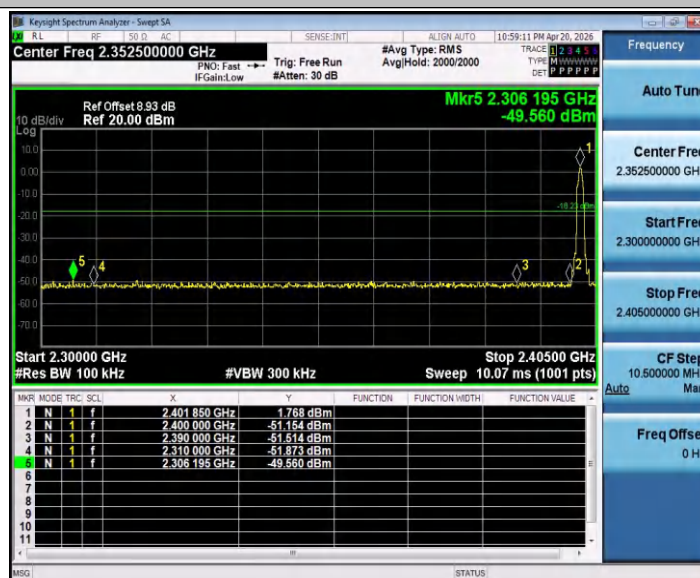
2DH1_Ant1_Low_Hop_2402



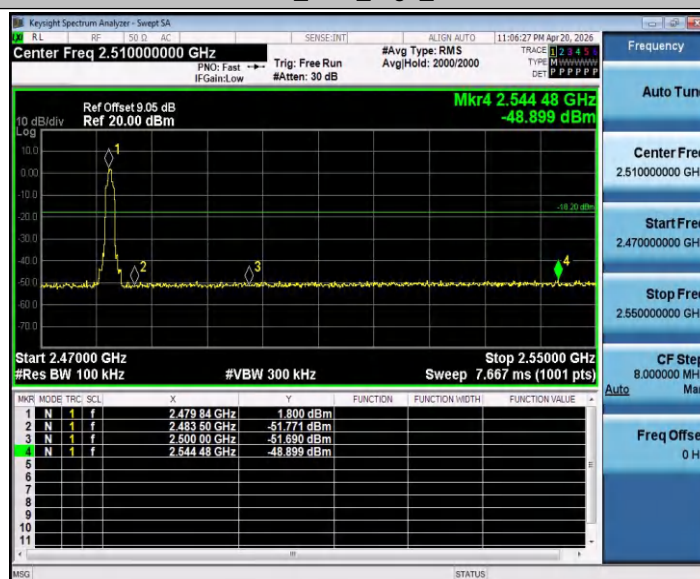
2DH1_Ant1_High_Hop_2480



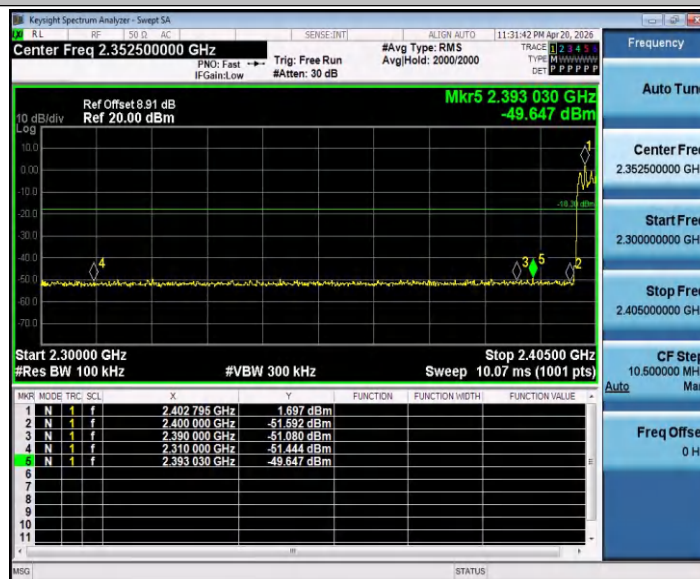
3DH1_Ant1_Low_2402



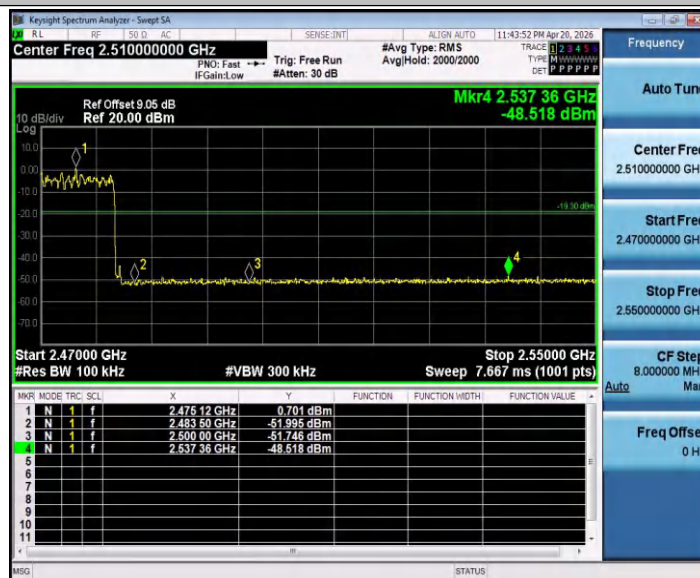
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

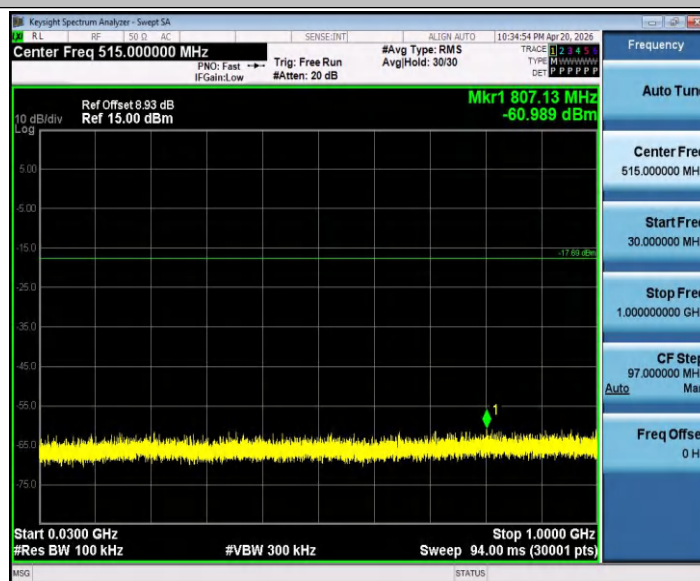
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	2.31	2.31	---	PASS
			30~1000	2.31	-60.99	≤-17.69	PASS
			1000~26500	2.31	-47.58	≤-17.69	PASS
		2441	Reference	4.22	4.22	---	PASS
			30~1000	4.22	-60.36	≤-15.78	PASS
			1000~26500	4.22	-47.52	≤-15.78	PASS
		2480	Reference	2.30	2.30	---	PASS
			30~1000	2.30	-59.92	≤-17.7	PASS
			1000~26500	2.30	-47.43	≤-17.7	PASS
2DH1	Ant1	2402	Reference	1.69	1.69	---	PASS
			30~1000	1.69	-59.85	≤-18.31	PASS
			1000~26500	1.69	-47.52	≤-18.31	PASS
		2441	Reference	3.63	3.63	---	PASS
			30~1000	3.63	-60.37	≤-16.37	PASS
			1000~26500	3.63	-47.36	≤-16.37	PASS
		2480	Reference	1.70	1.70	---	PASS
			30~1000	1.70	-60.19	≤-18.3	PASS
			1000~26500	1.70	-47.71	≤-18.3	PASS
3DH1	Ant1	2402	Reference	1.67	1.67	---	PASS
			30~1000	1.67	-60.44	≤-18.33	PASS
			1000~26500	1.67	-47.67	≤-18.33	PASS
		2441	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-59.85	≤-16.36	PASS
			1000~26500	3.64	-47.42	≤-16.36	PASS
		2480	Reference	1.72	1.72	---	PASS
			30~1000	1.72	-60.8	≤-18.28	PASS
			1000~26500	1.72	-47.23	≤-18.28	PASS

Test Graphs

DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



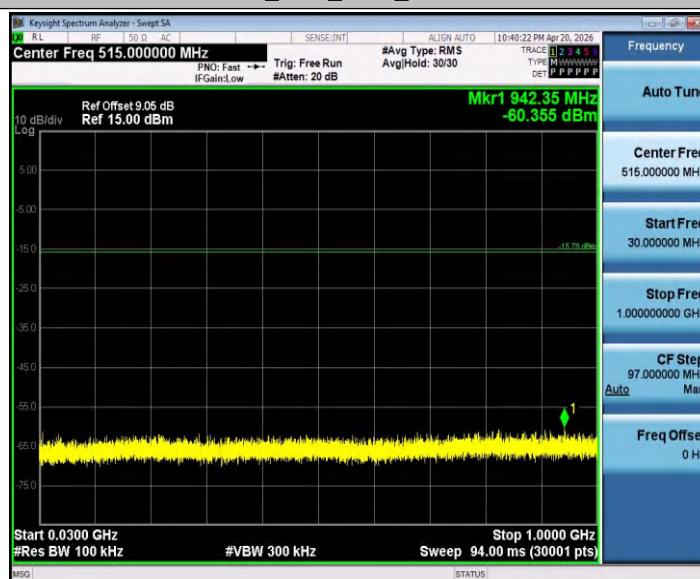
DH1_Ant1_2402_1000~26500



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

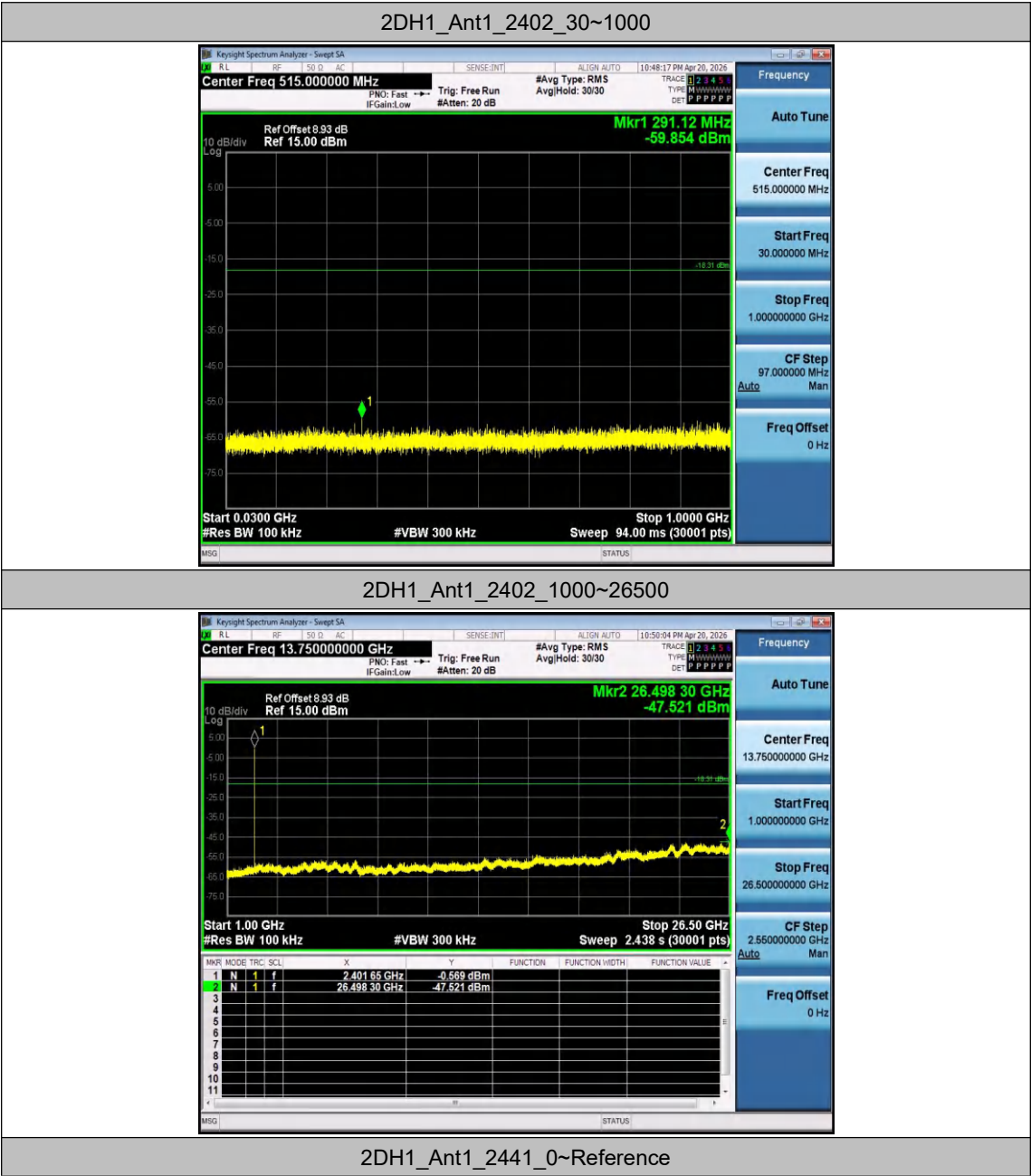


DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



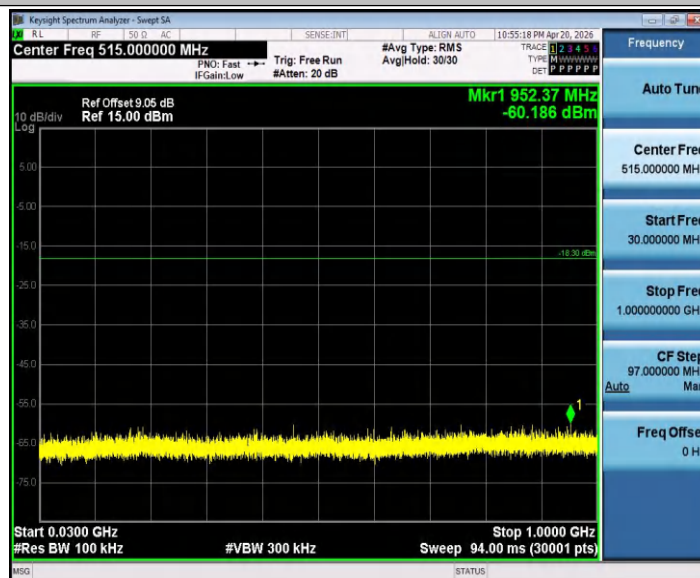
2DH1_Ant1_2441_1000~26500



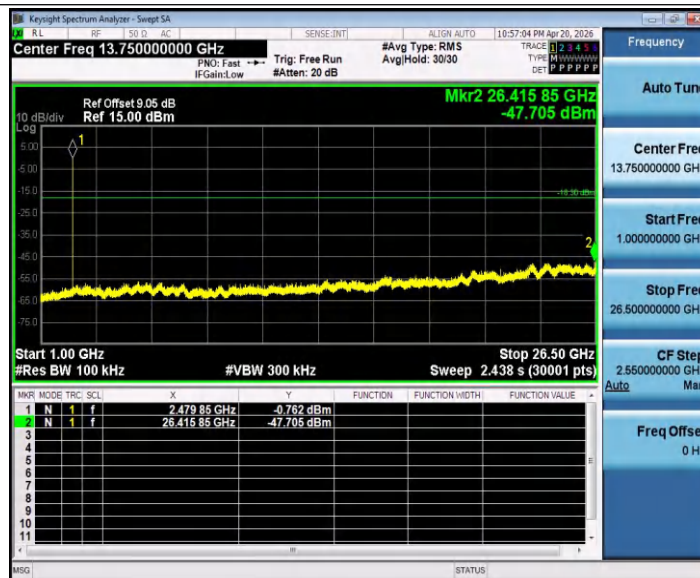
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



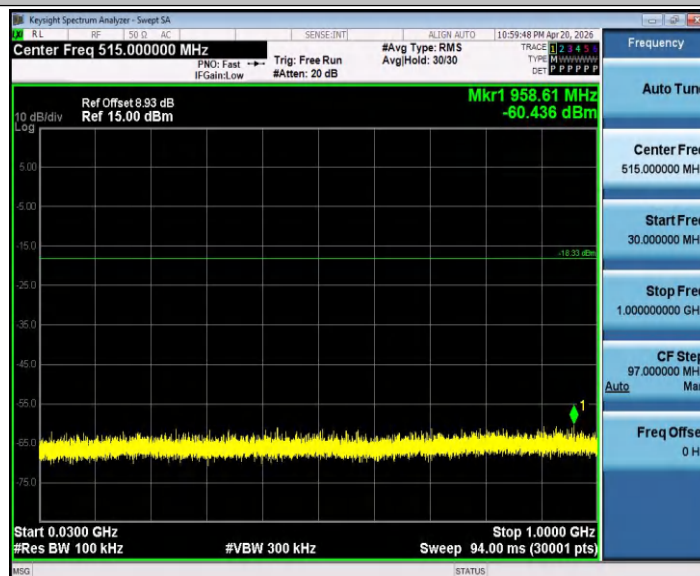
2DH1_Ant1_2480_1000~26500



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

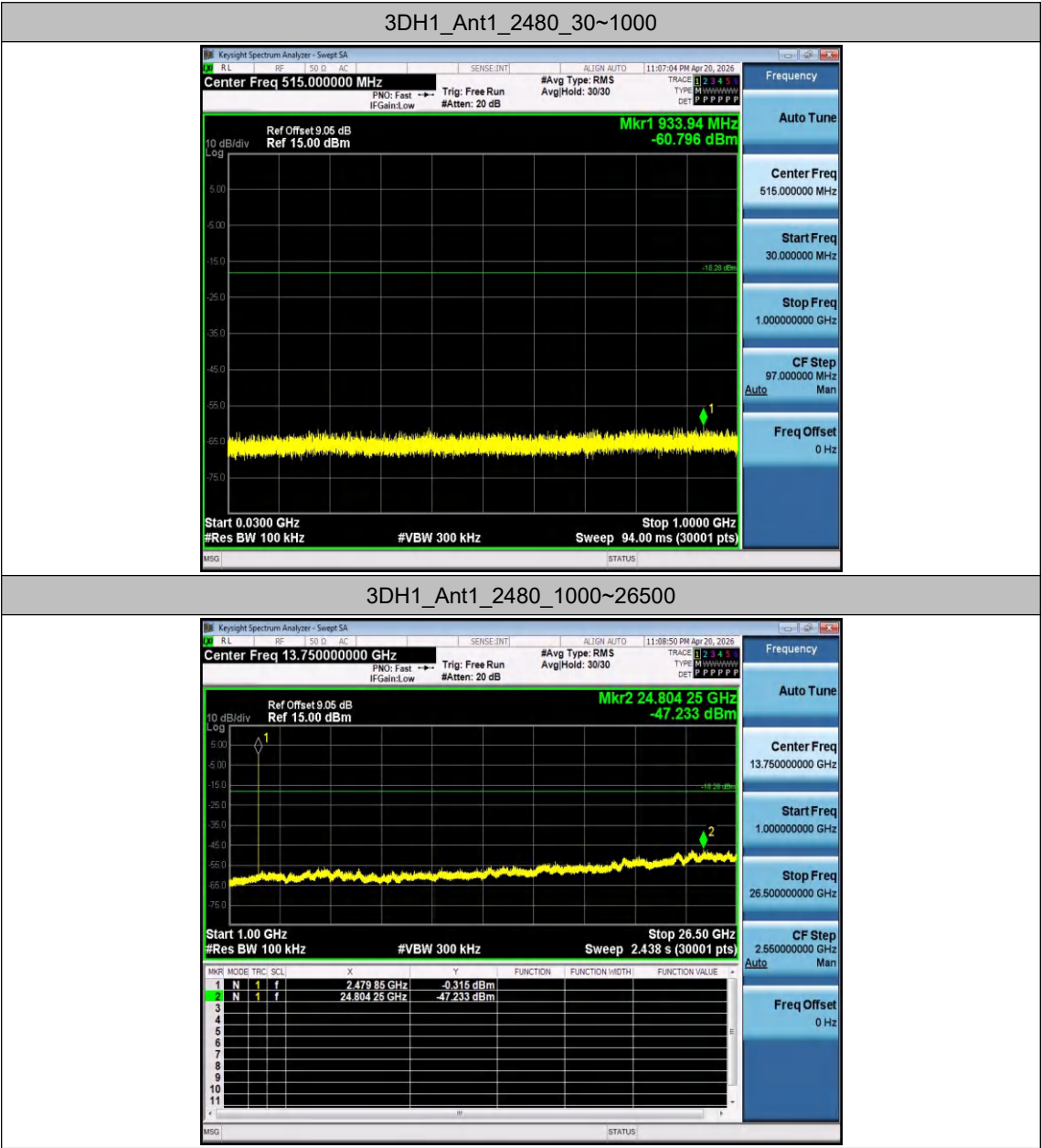


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

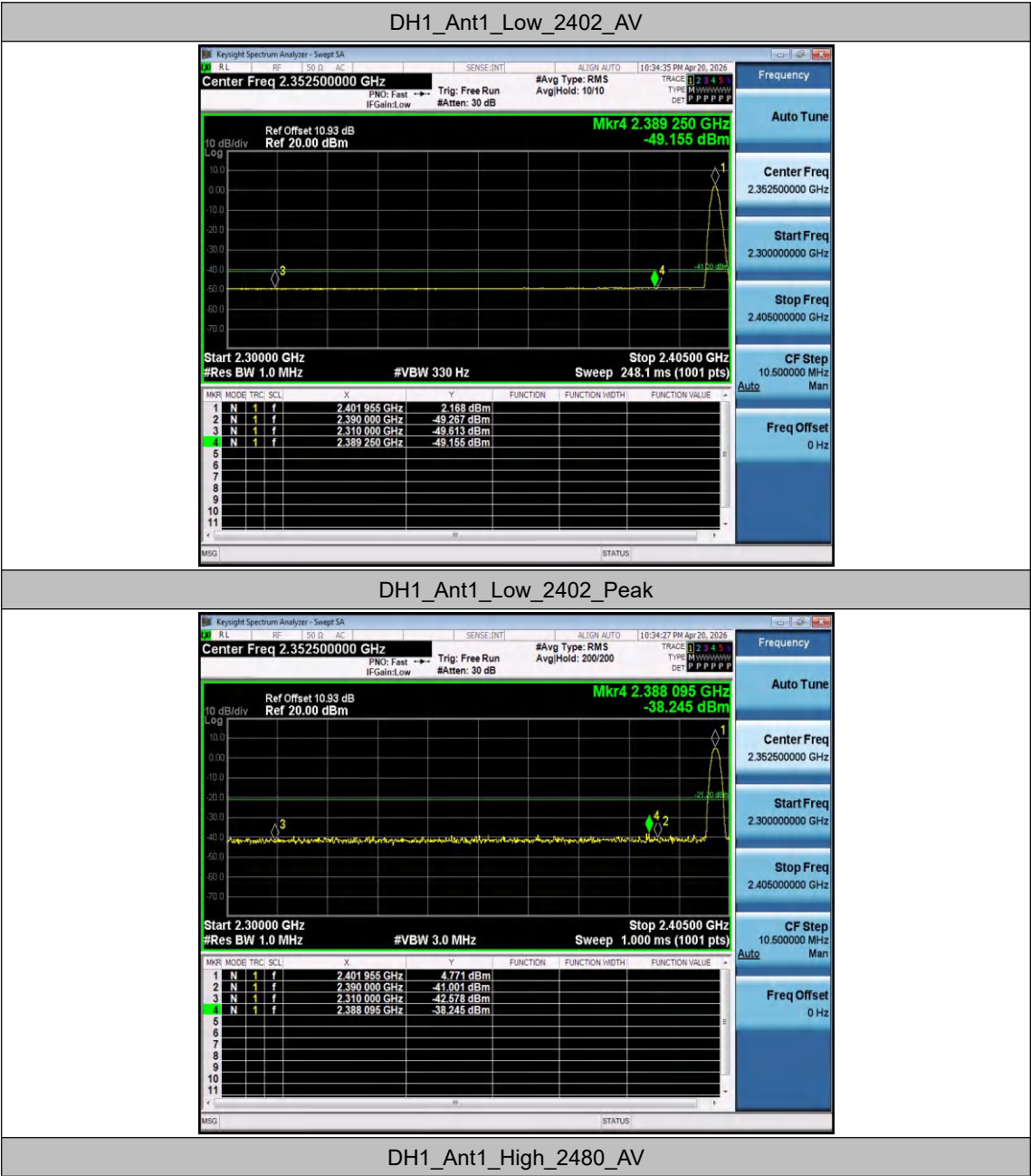
Test Result

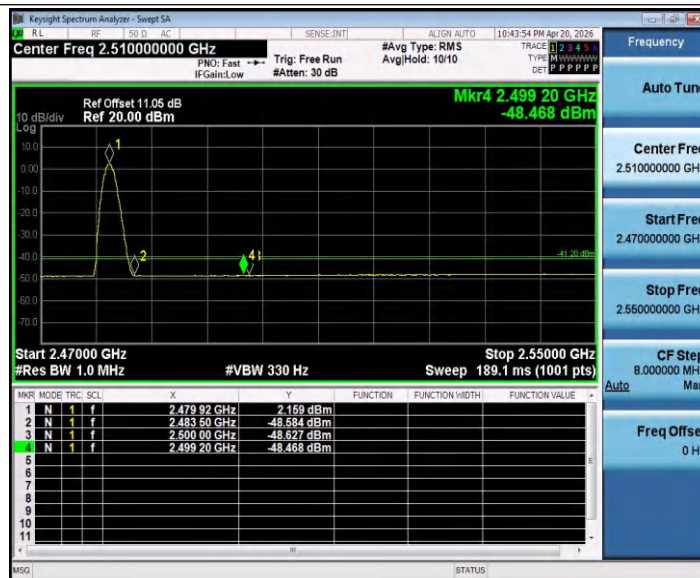
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.61	≤-41.20	45.59	≤54	PASS
				AV	2389.250	-49.15	≤-41.20	46.05	≤54	PASS
				AV	2390.000	-49.27	≤-41.20	45.93	≤54	PASS
				Peak	2310.000	-42.58	≤-21.20	52.62	≤74	PASS
				Peak	2388.095	-38.25	≤-21.20	56.95	≤74	PASS
				Peak	2390.000	-41	≤-21.20	54.20	≤74	PASS
		High	2480	AV	2483.500	-48.58	≤-41.20	46.62	≤54	PASS
				AV	2499.200	-48.47	≤-41.20	46.73	≤54	PASS
				AV	2500.000	-48.63	≤-41.20	46.57	≤54	PASS
				Peak	2483.500	-42.06	≤-21.20	53.14	≤74	PASS
				Peak	2484.720	-38.28	≤-21.20	56.92	≤74	PASS
				Peak	2500.000	-41.21	≤-21.20	53.99	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.59	≤-41.20	45.61	≤54	PASS
				AV	2386.310	-48.97	≤-41.20	46.23	≤54	PASS
				AV	2390.000	-49.05	≤-41.20	46.15	≤54	PASS
				Peak	2310.000	-41.68	≤-21.20	53.52	≤74	PASS
				Peak	2320.370	-38.7	≤-21.20	56.50	≤74	PASS
				Peak	2390.000	-40.42	≤-21.20	54.78	≤74	PASS
		High	2480	AV	2483.500	-48.56	≤-41.20	46.64	≤54	PASS
				AV	2499.680	-48.53	≤-41.20	46.67	≤54	PASS
				AV	2500.000	-48.62	≤-41.20	46.58	≤54	PASS
				Peak	2483.500	-41.51	≤-21.20	53.69	≤74	PASS
				Peak	2490.000	-38.76	≤-21.20	56.44	≤74	PASS
				Peak	2500.000	-41.7	≤-21.20	53.50	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.44	≤-41.20	45.76	≤54	PASS
				AV	2381.480	-49.05	≤-41.20	46.15	≤54	PASS
				AV	2390.000	-49.19	≤-41.20	46.01	≤54	PASS
				Peak	2310.000	-42.46	≤-21.20	52.74	≤74	PASS
				Peak	2324.675	-38.92	≤-21.20	56.28	≤74	PASS
				Peak	2390.000	-42.25	≤-21.20	52.95	≤74	PASS
		High	2480	AV	2483.500	-48.42	≤-41.20	46.78	≤54	PASS
				AV	2497.840	-48.27	≤-41.20	46.93	≤54	PASS
				AV	2500.000	-48.55	≤-41.20	46.65	≤54	PASS
				Peak	2483.500	-40.71	≤-21.20	54.49	≤74	PASS
				Peak	2492.160	-38.61	≤-21.20	56.59	≤74	PASS
				Peak	2500.000	-40.94	≤-21.20	54.26	≤74	PASS

Note:

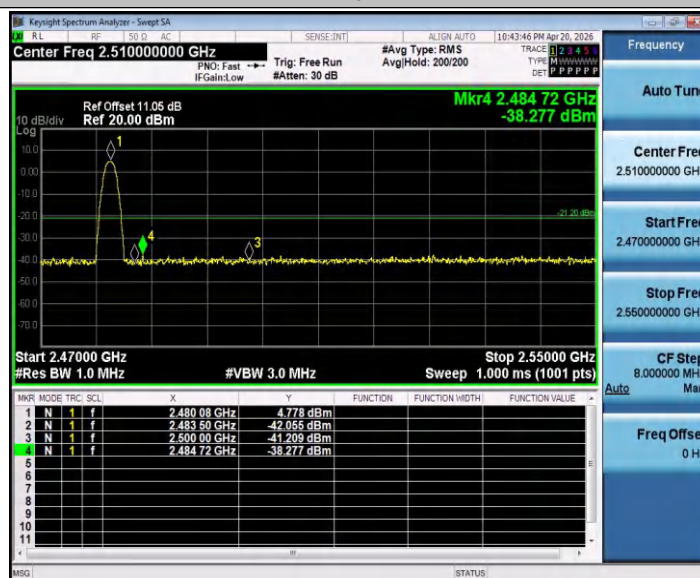
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





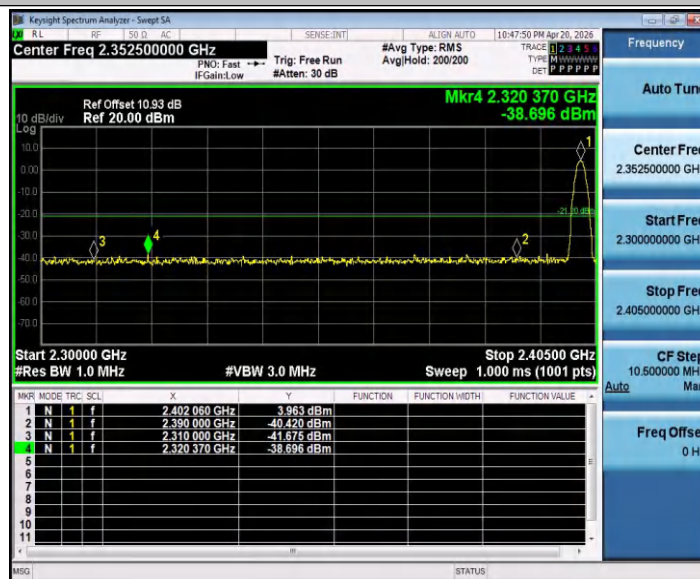
DH1_Ant1_High_2480_Peak



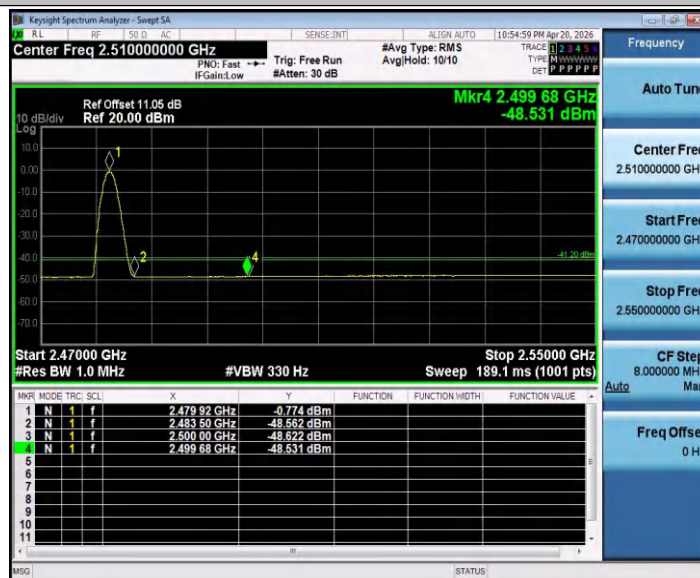
2DH1_Ant1_Low_2402_AV



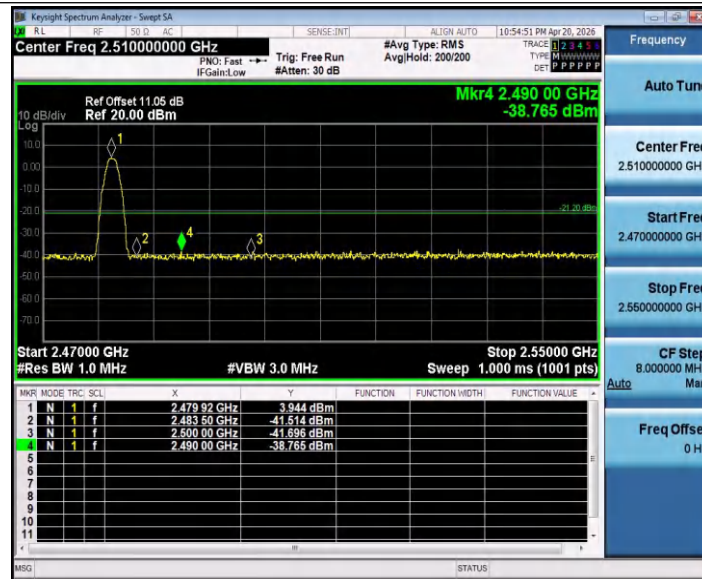
2DH1_Ant1_Low_2402_Peak



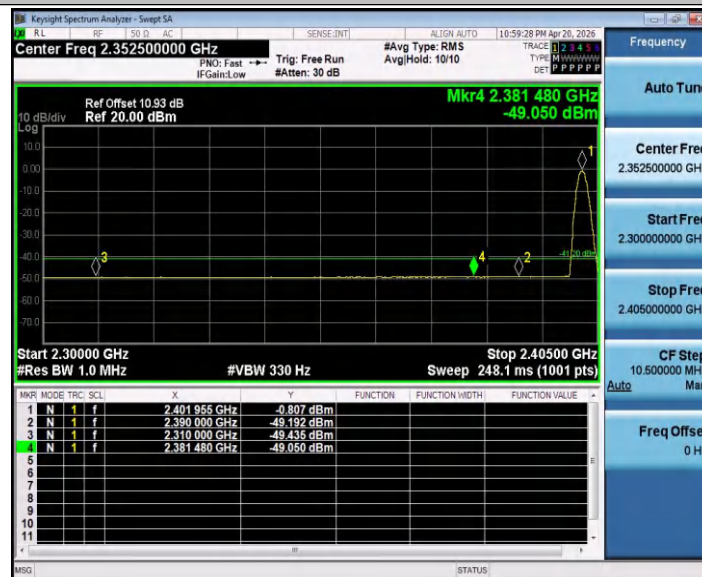
2DH1_Ant1_High_2480_AV



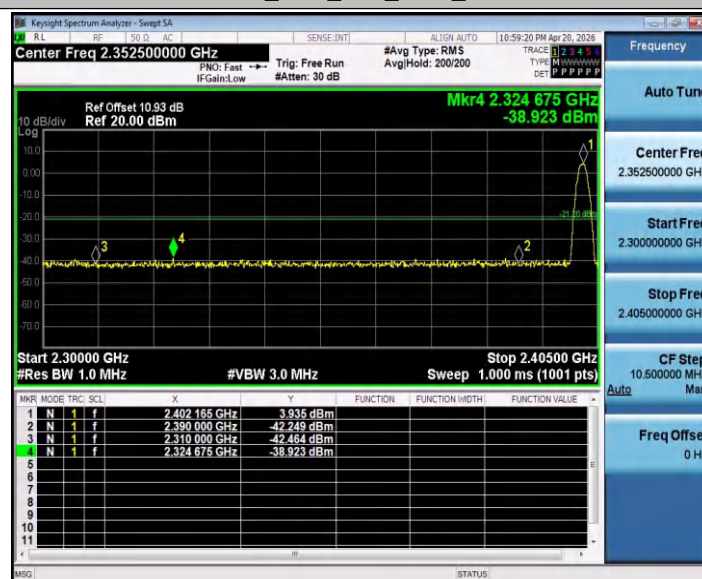
2DH1_Ant1_High_2480_Peak



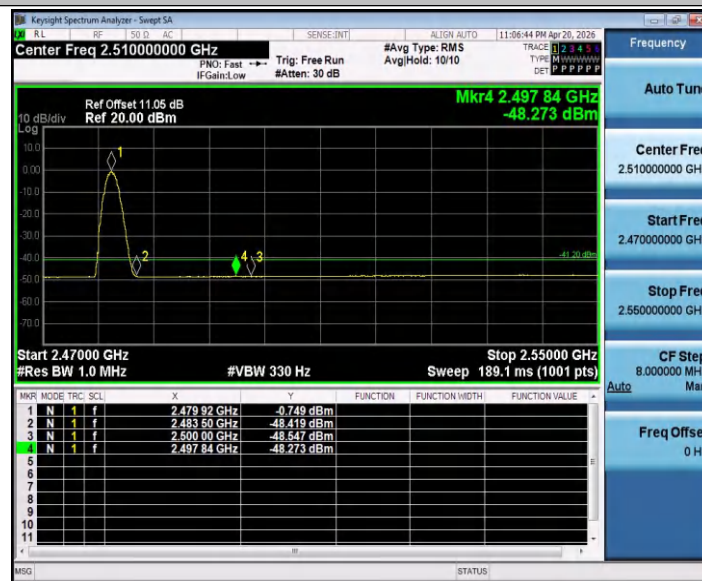
3DH1_Ant1_Low_2402_AV



3DH1_Ant1_Low_2402_Peak



3DH1_Ant1_High_2480_AV



3DH1_Ant1_High_2480_Peak

