

Case No. : <u>GTS20260205006-2-02</u>	
Ambient Condition: <u>23</u> °C, <u>51</u> %RH	
According Standard: <u>■Part15C</u>	
Test Date: <u>2026.3.18-2026.3.23</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	0.834	2440.562	2441.396	---	---
		2480	0.816	2479.565	2480.381	---	---
2DH1	Ant1	2402	1.254	2401.370	2402.624	---	---
		2441	1.185	2440.388	2441.573	---	---
		2480	1.248	2479.367	2480.615	---	---
3DH1	Ant1	2402	1.242	2401.379	2402.621	---	---
		2441	1.224	2440.397	2441.621	---	---
		2480	1.224	2479.397	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

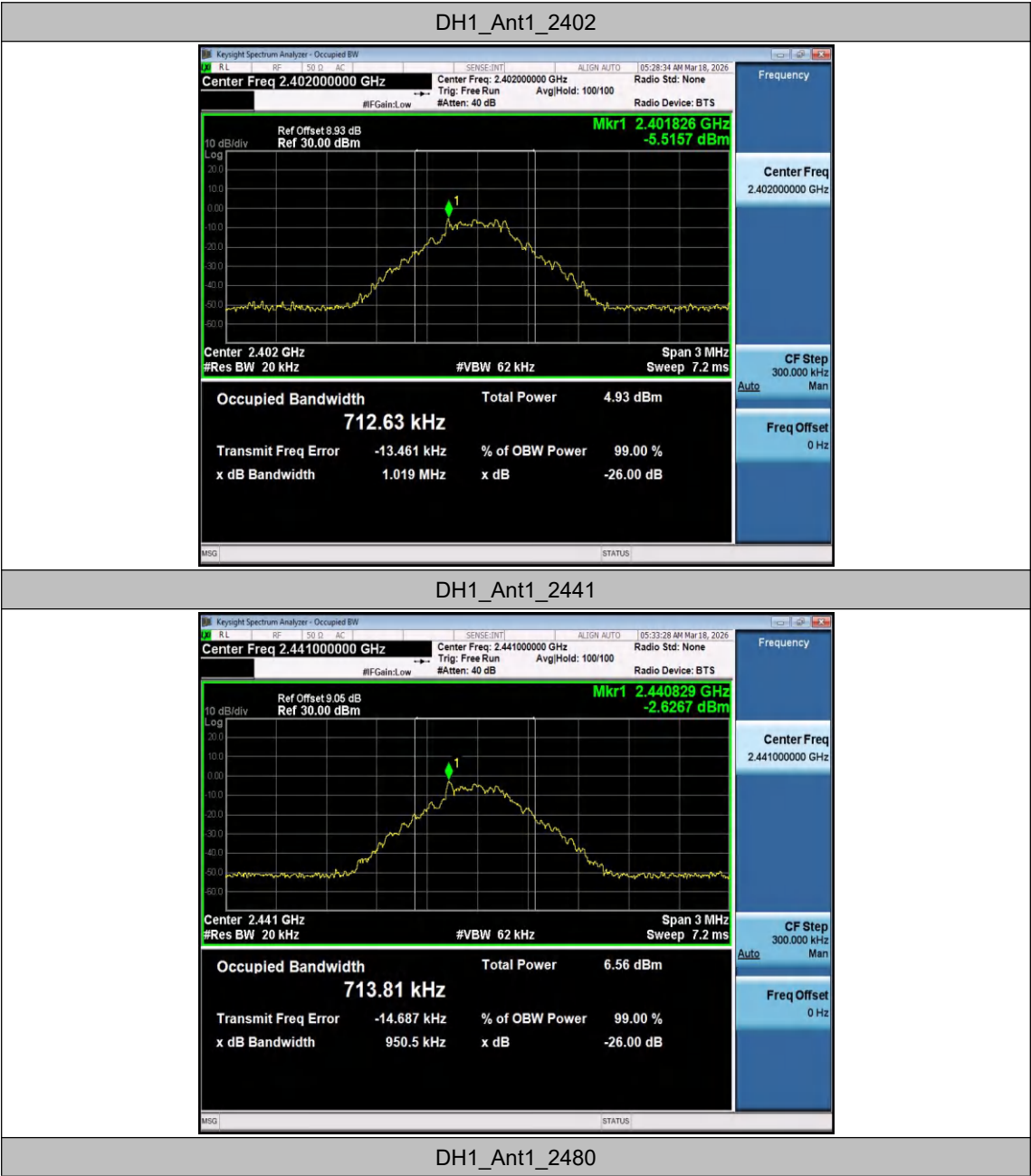


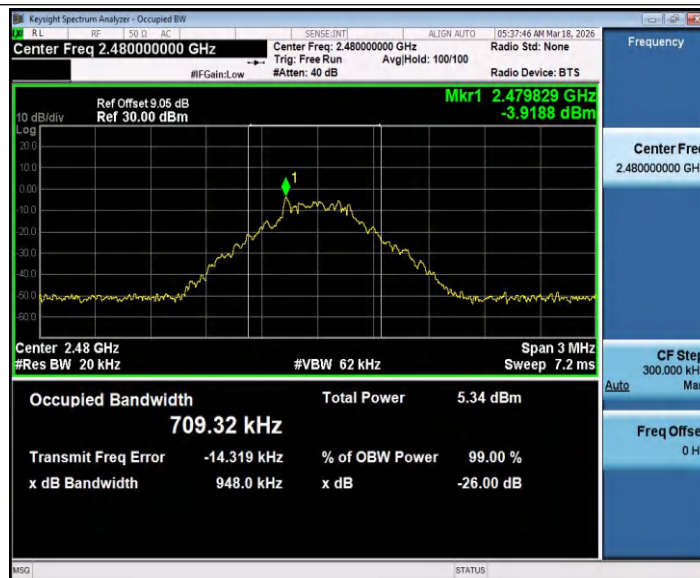
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.71263	2401.6302	2402.3429	---	---
		2441	0.71381	2440.6284	2441.3422	---	---
		2480	0.70932	2479.6310	2480.3403	---	---
2DH1	Ant1	2402	1.1385	2401.4252	2402.5637	---	---
		2441	1.1262	2440.4317	2441.5579	---	---
		2480	1.1390	2479.4236	2480.5626	---	---
3DH1	Ant1	2402	1.1277	2401.4379	2402.5656	---	---
		2441	1.1297	2440.4379	2441.5676	---	---
		2480	1.1277	2479.4392	2480.5669	---	---

Test Graphs





2DH1_Ant1_2402



2DH1_Ant1_2441



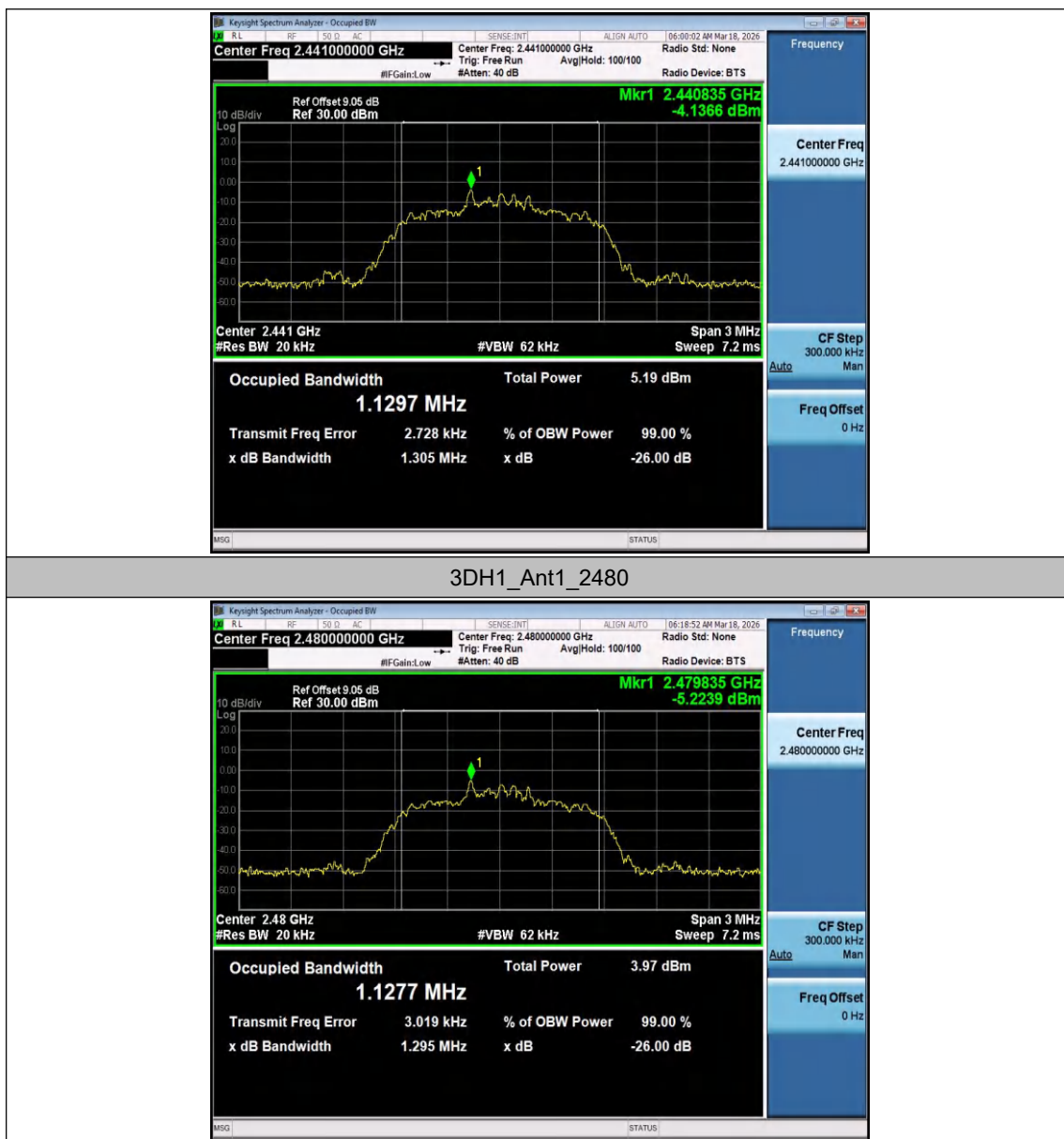
2DH1_Ant1_2480



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	-0.61	≤ 20.97	PASS
		2441	0.87	≤ 20.97	PASS
		2480	-0.36	≤ 20.97	PASS
2DH1	Ant1	2402	-1.28	≤ 20.97	PASS
		2441	0.36	≤ 20.97	PASS
		2480	0.85	≤ 20.97	PASS
3DH1	Ant1	2402	-1.14	≤ 20.97	PASS
		2441	0.36	≤ 20.97	PASS
		2480	-0.91	≤ 20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.166	≥ 0.526	PASS
		Hop_2441	0.99	≥ 0.526	PASS
		Hop_2480	1.17	≥ 0.526	PASS
2DH1	Ant1	Hop_2402	1.004	≥ 0.836	PASS
		Hop_2441	1.006	≥ 0.836	PASS
		Hop_2480	1.014	≥ 0.836	PASS
3DH1	Ant1	Hop_2402	0.998	≥ 0.828	PASS
		Hop_2441	1.186	≥ 0.828	PASS
		Hop_2480	1.002	≥ 0.828	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2D11_Ant1_Hop_2402



2D11_Ant1_Hop_2441



2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441



3DH1_Ant1_Hop_2480

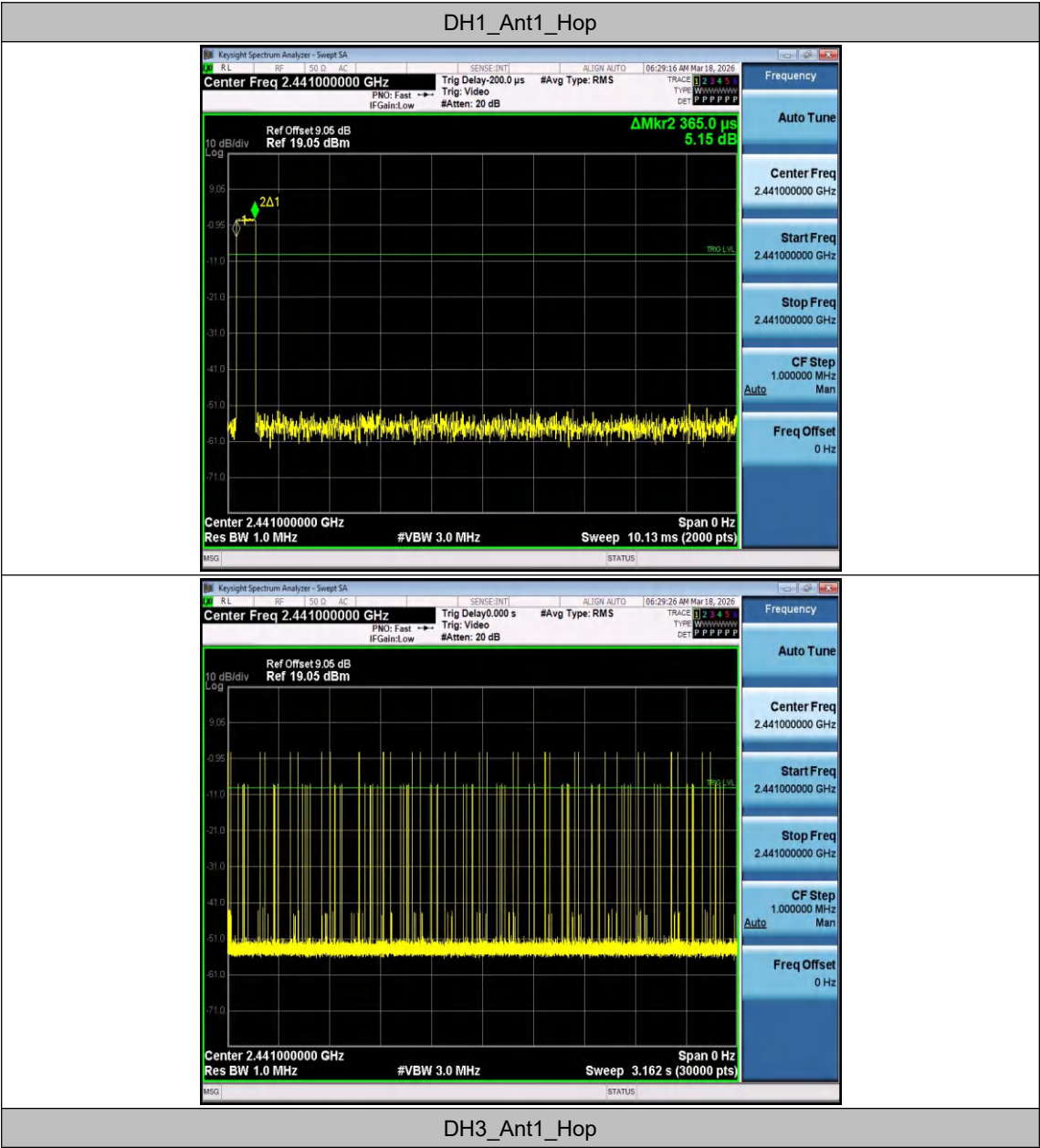


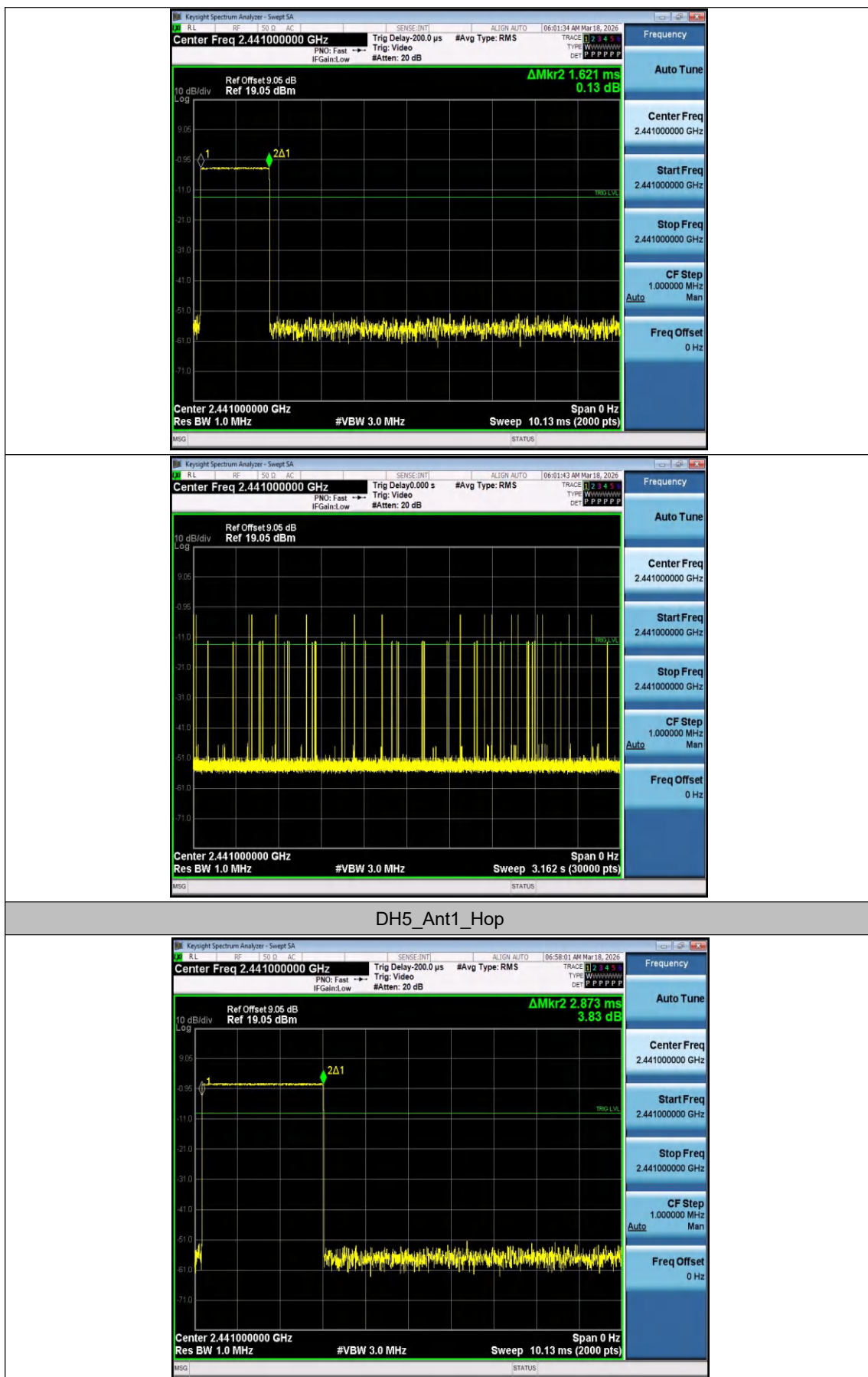
Appendix A.5: Time of occupancy

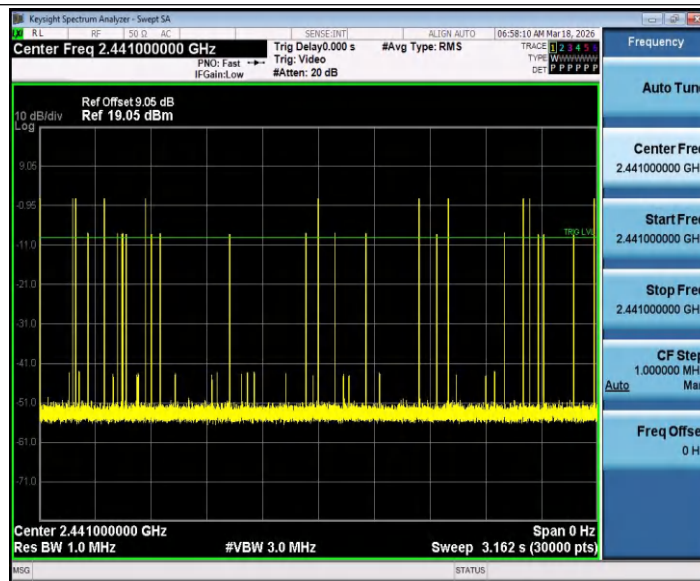
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.365	320	0.117	≤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	2.878	130	0.374	≤0.4	PASS
3DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.626	170	0.276	≤0.4	PASS
3DH5	Ant1	Hop	2.878	90	0.259	≤0.4	PASS

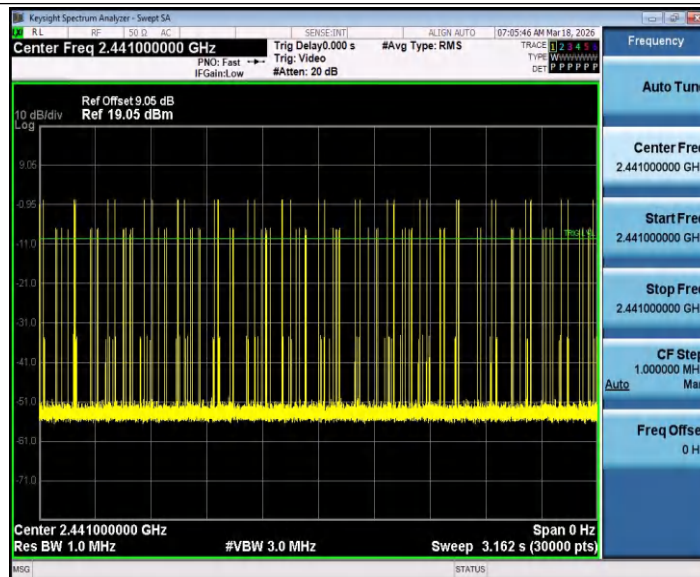
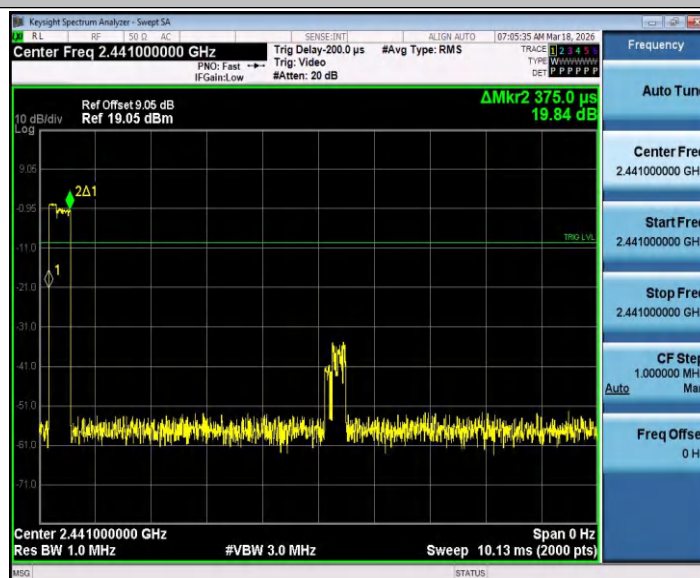
Test Graphs



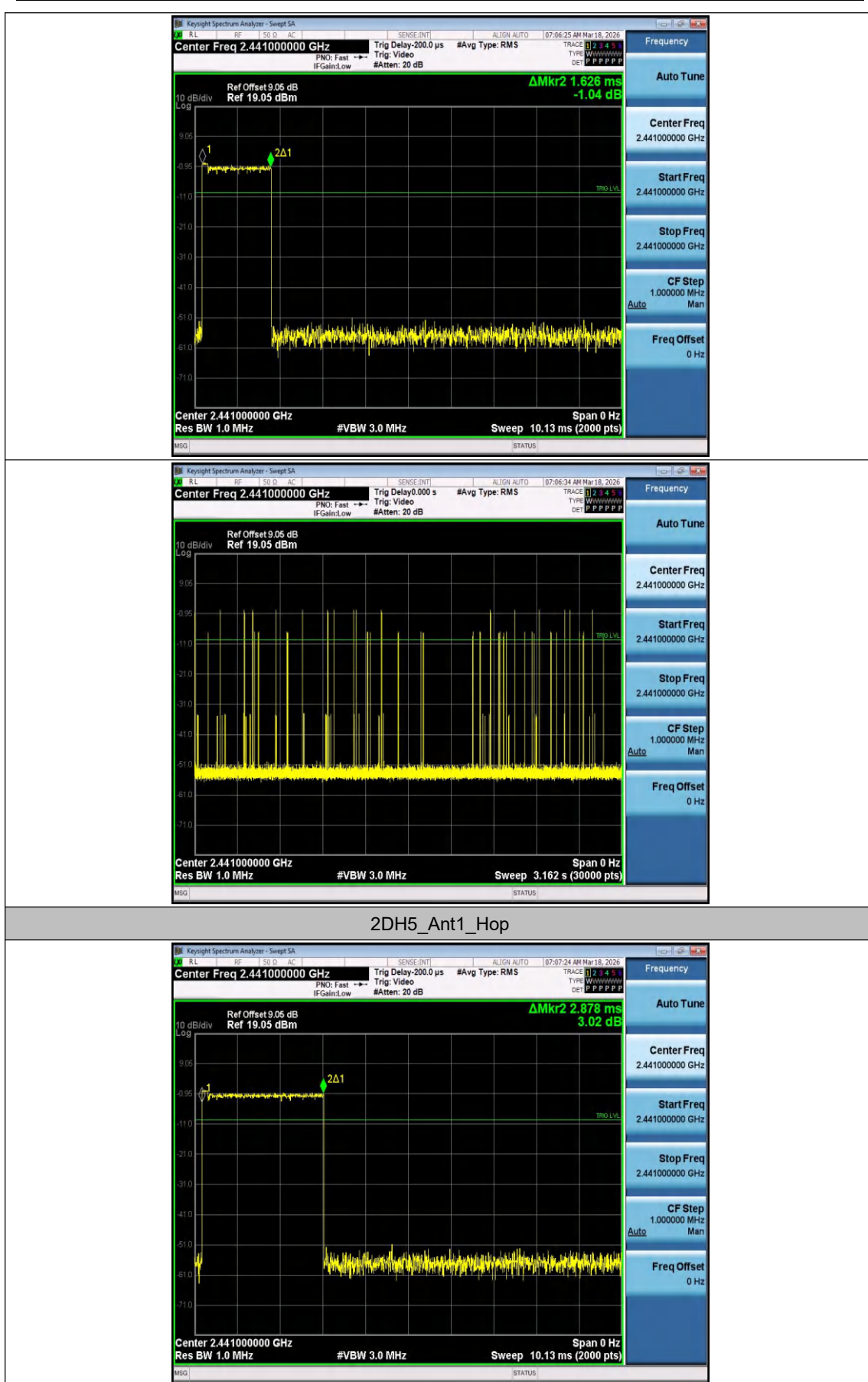


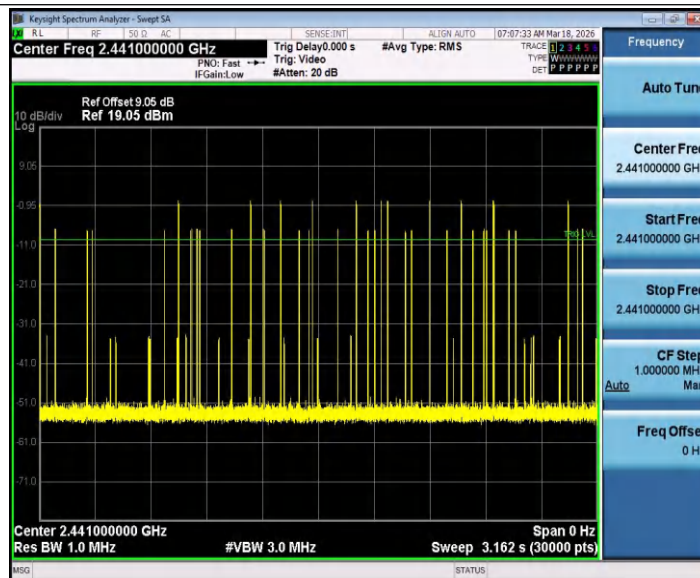


2DH1_Ant1_Hop

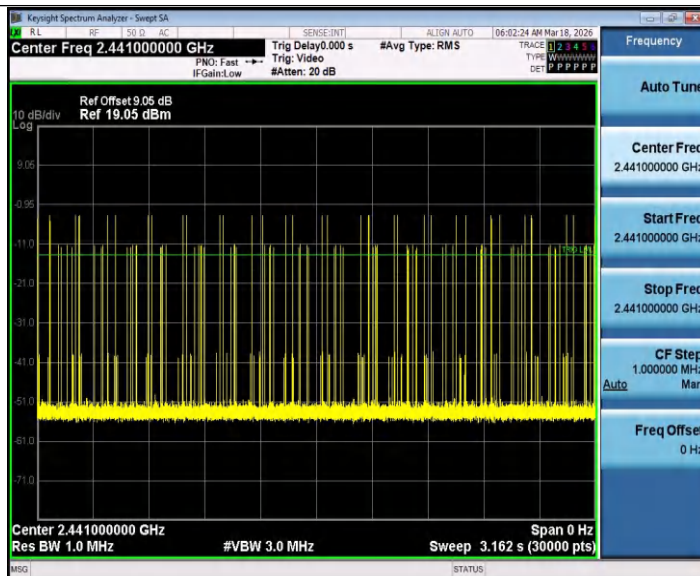
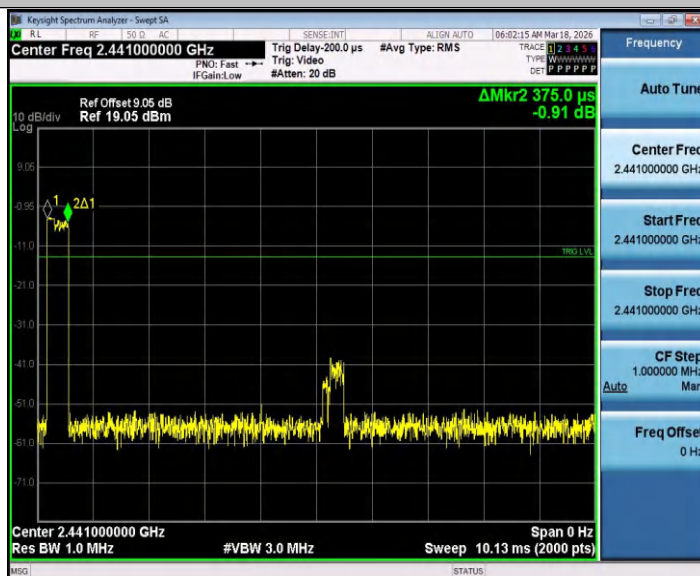


2DH3_Ant1_Hop

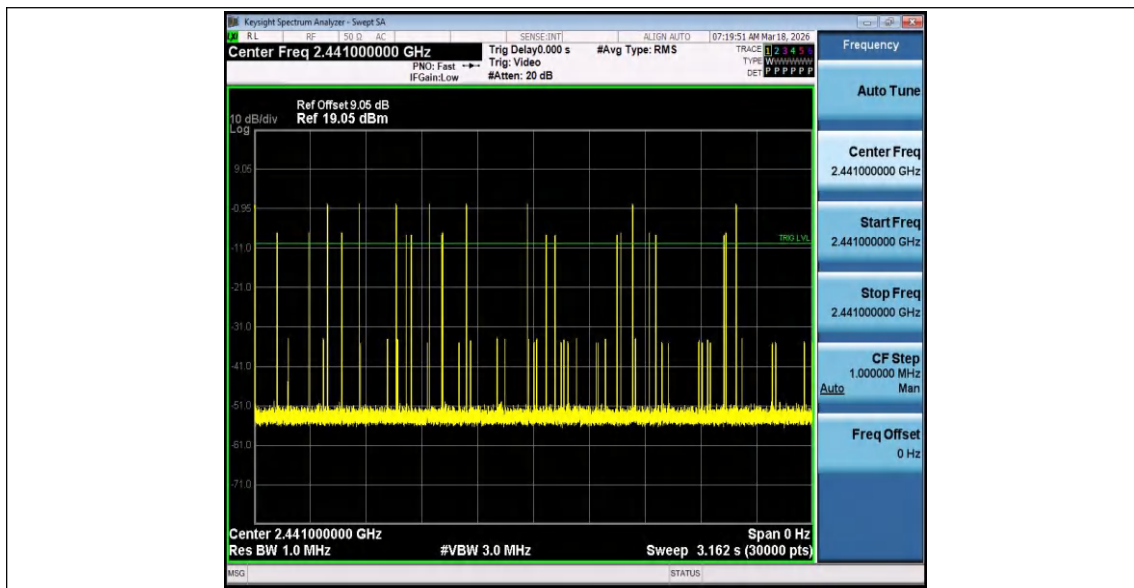




3DH1_Ant1_Hop



3DH3_Ant1_Hop



Appendix A.6: Number of hopping channels

Test Result

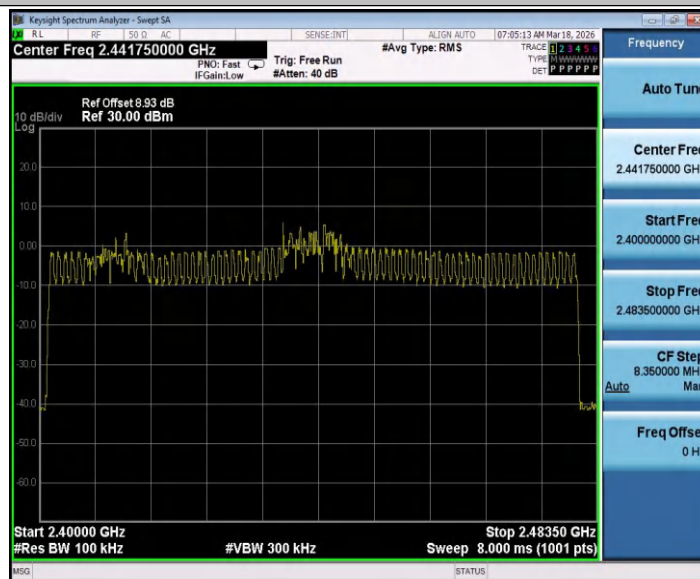
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

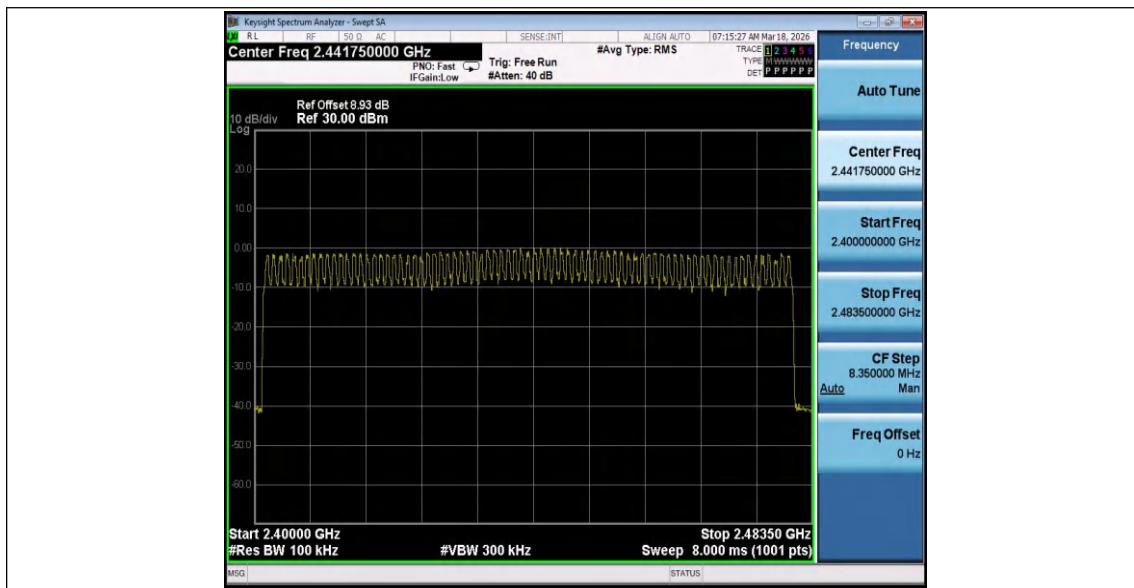
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



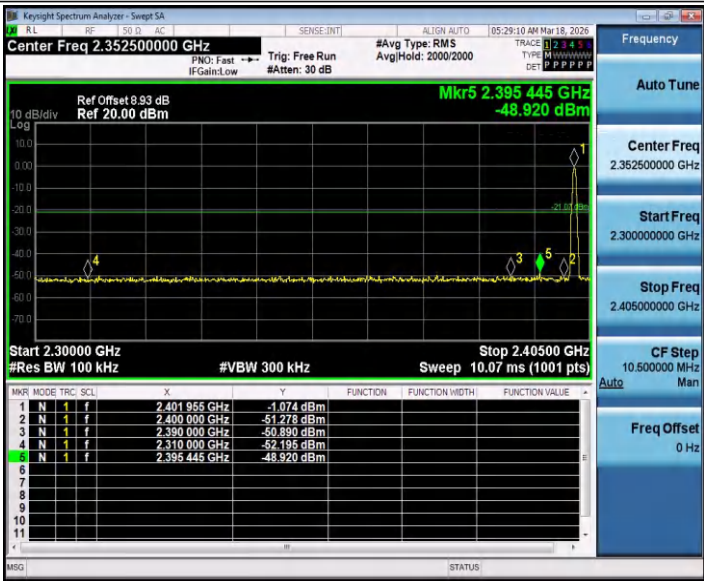
Appendix A.7: Band edge measurements

Test Result

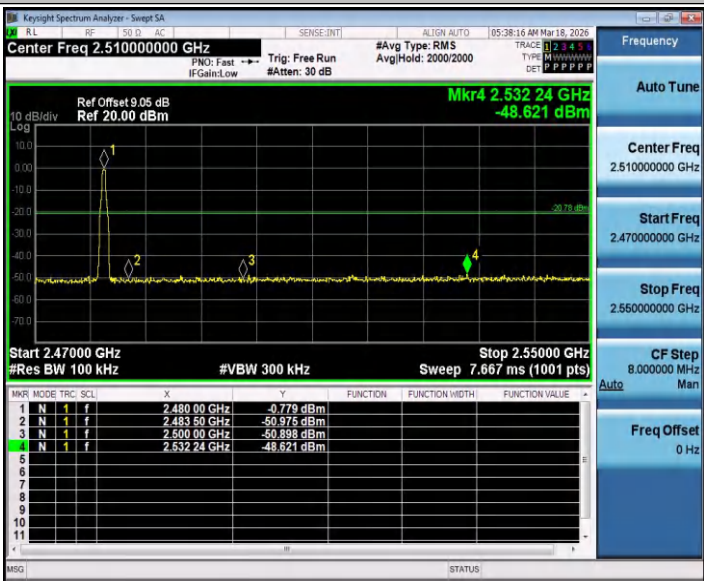
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	-1.07	-48.92	≤ -21.07	PASS
		High	2480	-0.78	-48.62	≤ -20.78	PASS
		Low	Hop_2402	-1.33	-49.21	≤ -21.33	PASS
		High	Hop_2480	-0.90	-49.11	≤ -20.9	PASS
2DH1	Ant1	Low	2402	-1.72	-49.74	≤ -21.72	PASS
		High	2480	0.83	-49	≤ -19.17	PASS
		Low	Hop_2402	-1.90	-49.69	≤ -21.9	PASS
		High	Hop_2480	-1.79	-48.53	≤ -21.79	PASS
3DH1	Ant1	Low	2402	-1.70	-49.76	≤ -21.7	PASS
		High	2480	-1.34	-48.42	≤ -21.34	PASS
		Low	Hop_2402	-1.58	-50.23	≤ -21.58	PASS
		High	Hop_2480	-1.69	-49.01	≤ -21.69	PASS

Test Graphs

DH1_Ant1_Low_2402



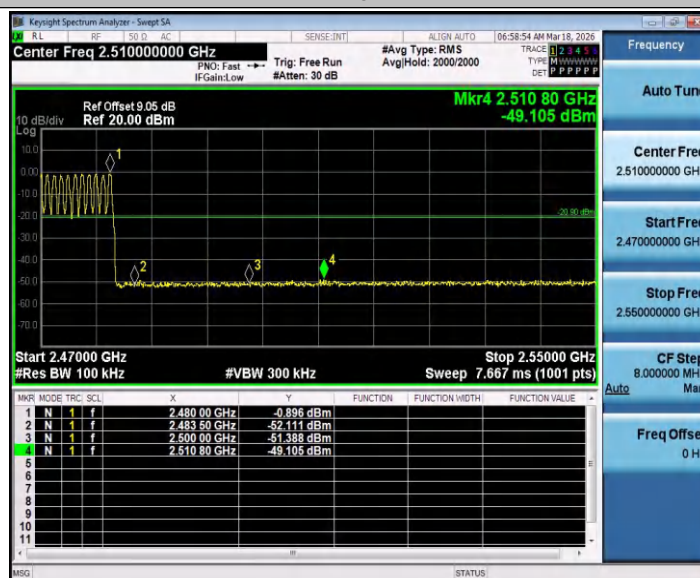
DH1_Ant1_High_2480



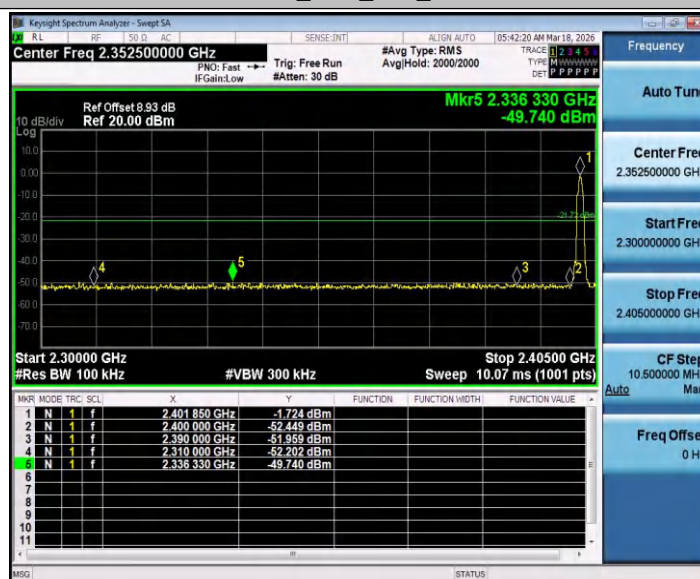
DH1_Ant1_Low_Hop_2402



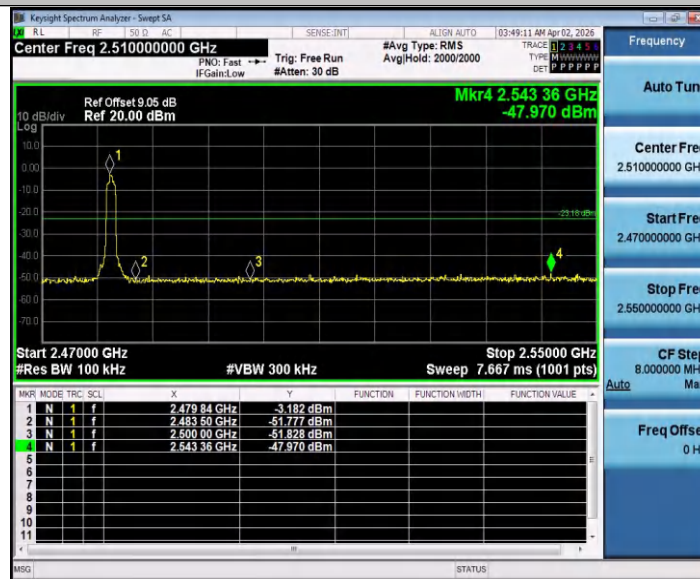
DH1_Ant1_High_Hop_2480



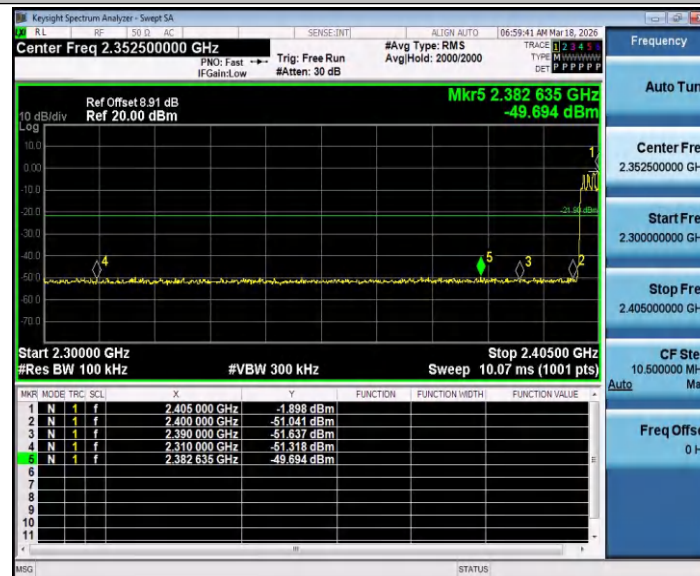
2DH1_Ant1_Low_2402



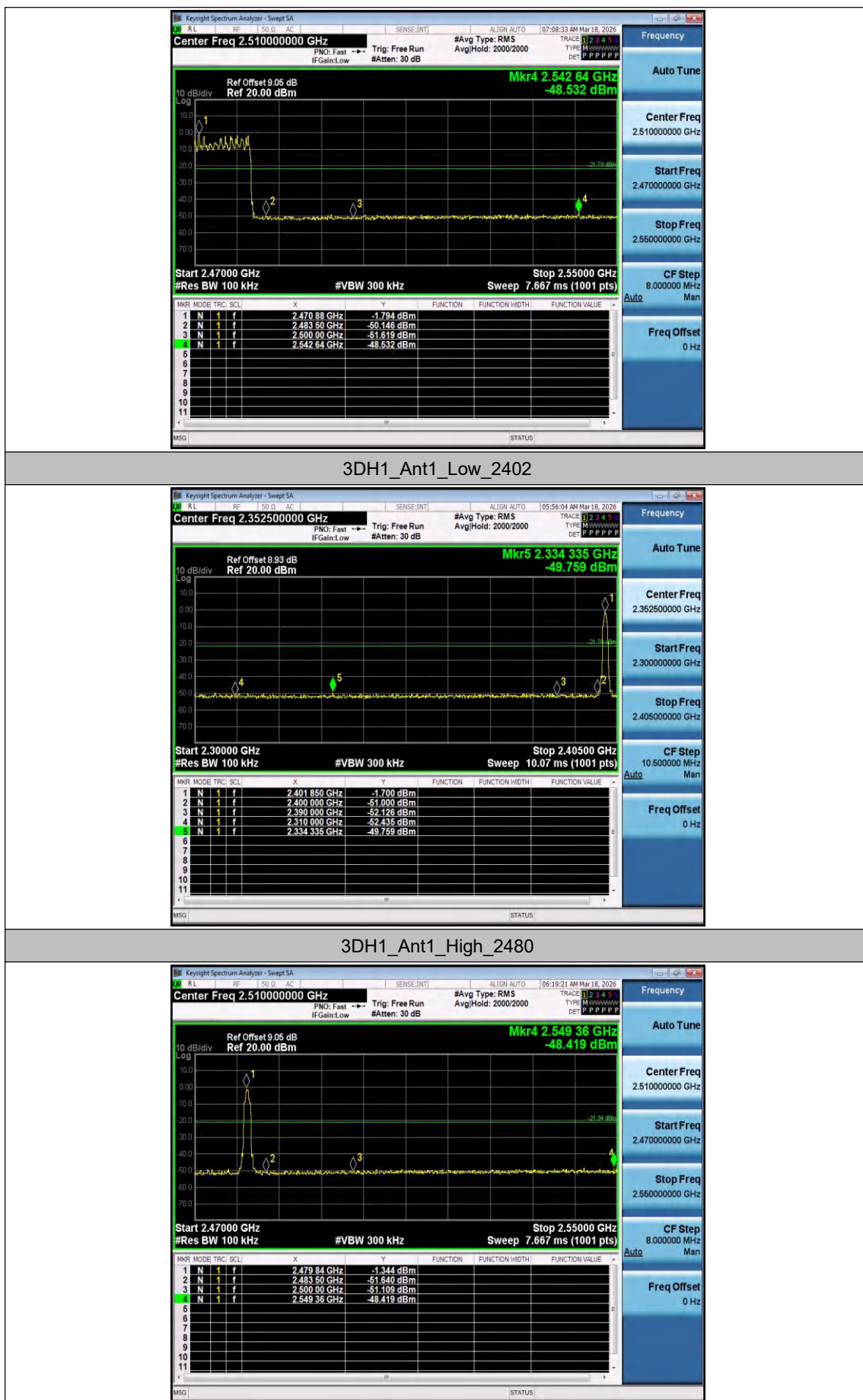
2DH1_Ant1_High_2480



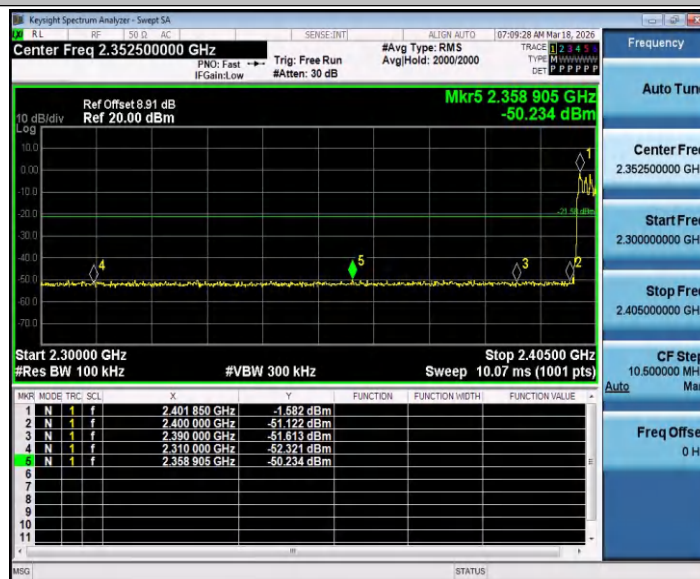
2DH1_Ant1_Low_Hop_2402



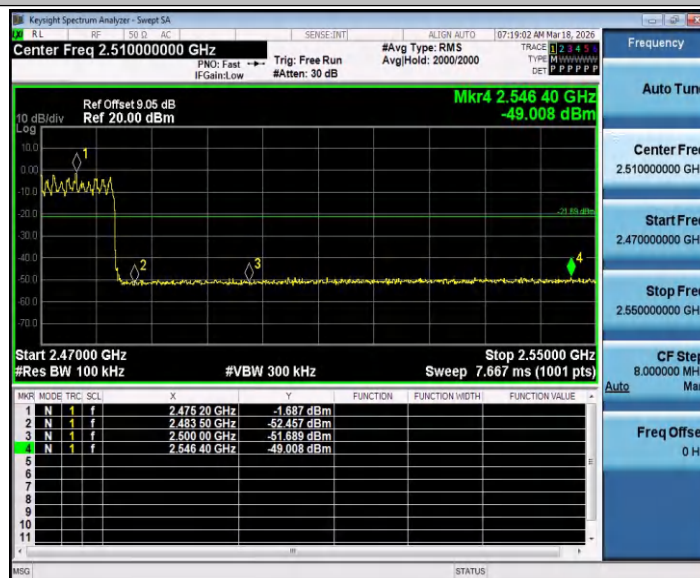
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

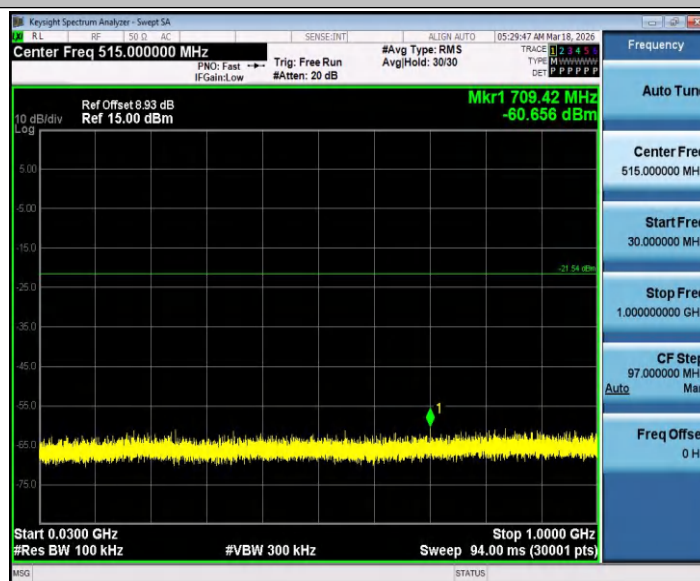
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-60.66	≤-21.54	PASS
			1000~26500	-1.54	-47.49	≤-21.54	PASS
		2441	Reference	0.00	0.00	---	PASS
			30~1000	0.00	-59.62	≤-20	PASS
			1000~26500	0.00	-47.28	≤-20	PASS
		2480	Reference	-1.22	-1.22	---	PASS
			30~1000	-1.22	-60.83	≤-21.22	PASS
			1000~26500	-1.22	-47.19	≤-21.22	PASS
2DH1	Ant1	2402	Reference	-1.81	-1.81	---	PASS
			30~1000	-1.81	-60.46	≤-21.81	PASS
			1000~26500	-1.81	-47.12	≤-21.81	PASS
		2441	Reference	-0.28	-0.28	---	PASS
			30~1000	-0.28	-60.37	≤-20.28	PASS
			1000~26500	-0.28	-48.18	≤-20.28	PASS
		2480	Reference	-1.50	-1.50	---	PASS
			30~1000	-1.50	-60.53	≤-21.5	PASS
			1000~26500	-1.50	-47.77	≤-21.5	PASS
3DH1	Ant1	2402	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-60.31	≤-21.79	PASS
			1000~26500	-1.79	-47.64	≤-21.79	PASS
		2441	Reference	-0.25	-0.25	---	PASS
			30~1000	-0.25	-60.73	≤-20.25	PASS
			1000~26500	-0.25	-46.81	≤-20.25	PASS
		2480	Reference	-1.43	-1.43	---	PASS
			30~1000	-1.43	-60.38	≤-21.43	PASS
			1000~26500	-1.43	-46.72	≤-21.43	PASS

Test Graphs

DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



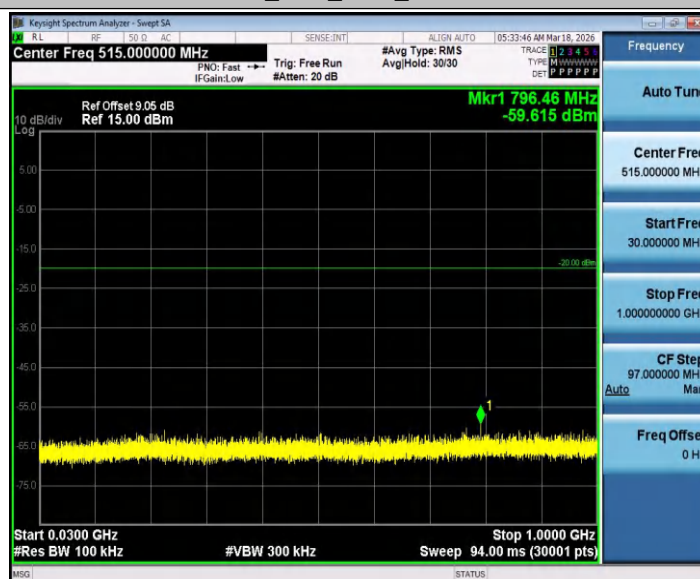
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



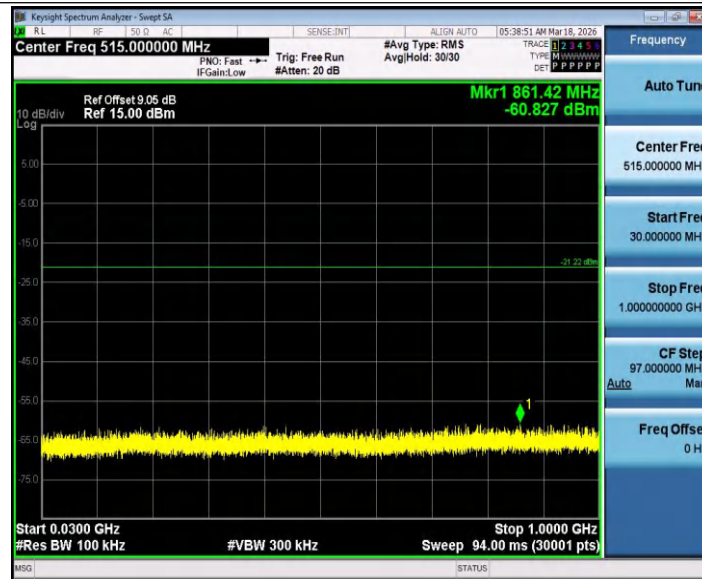
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



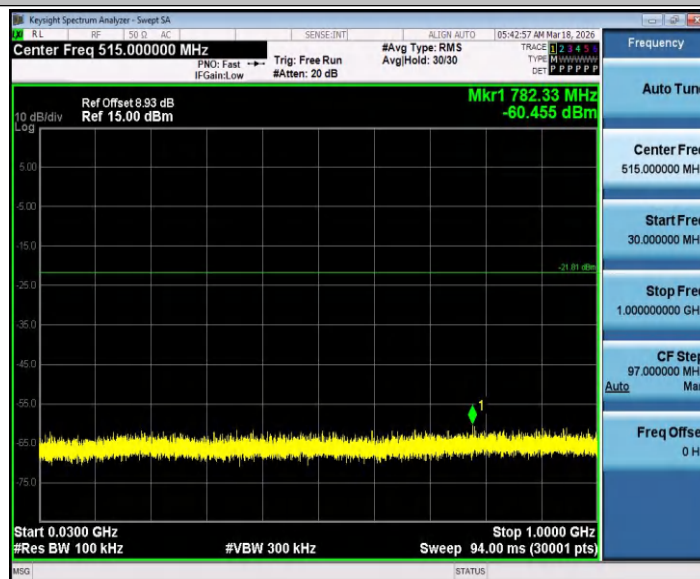
DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



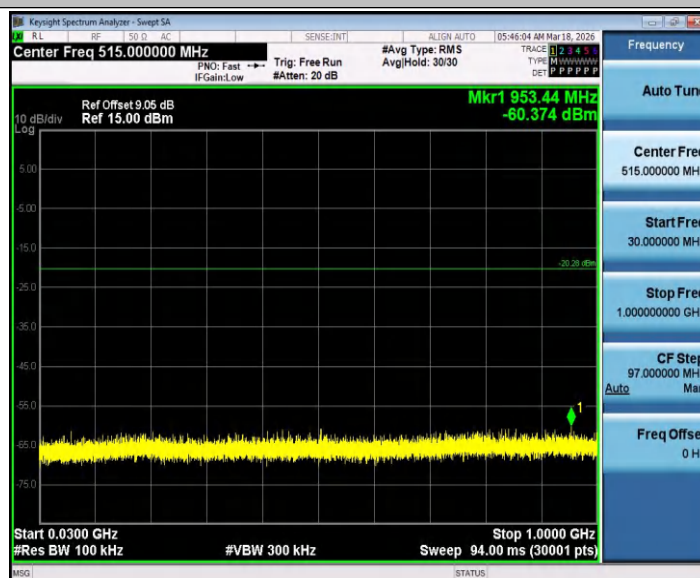
2DH1_Ant1_2402_1000~26500



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



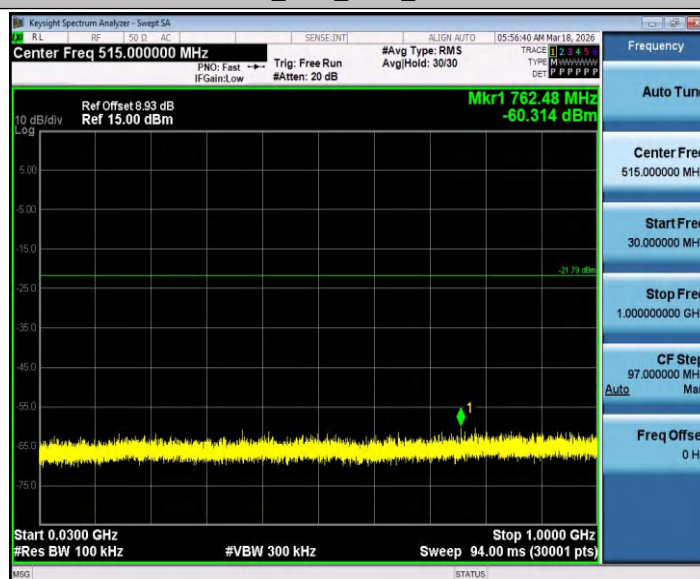
2DH1_Ant1_2480_1000~26500



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

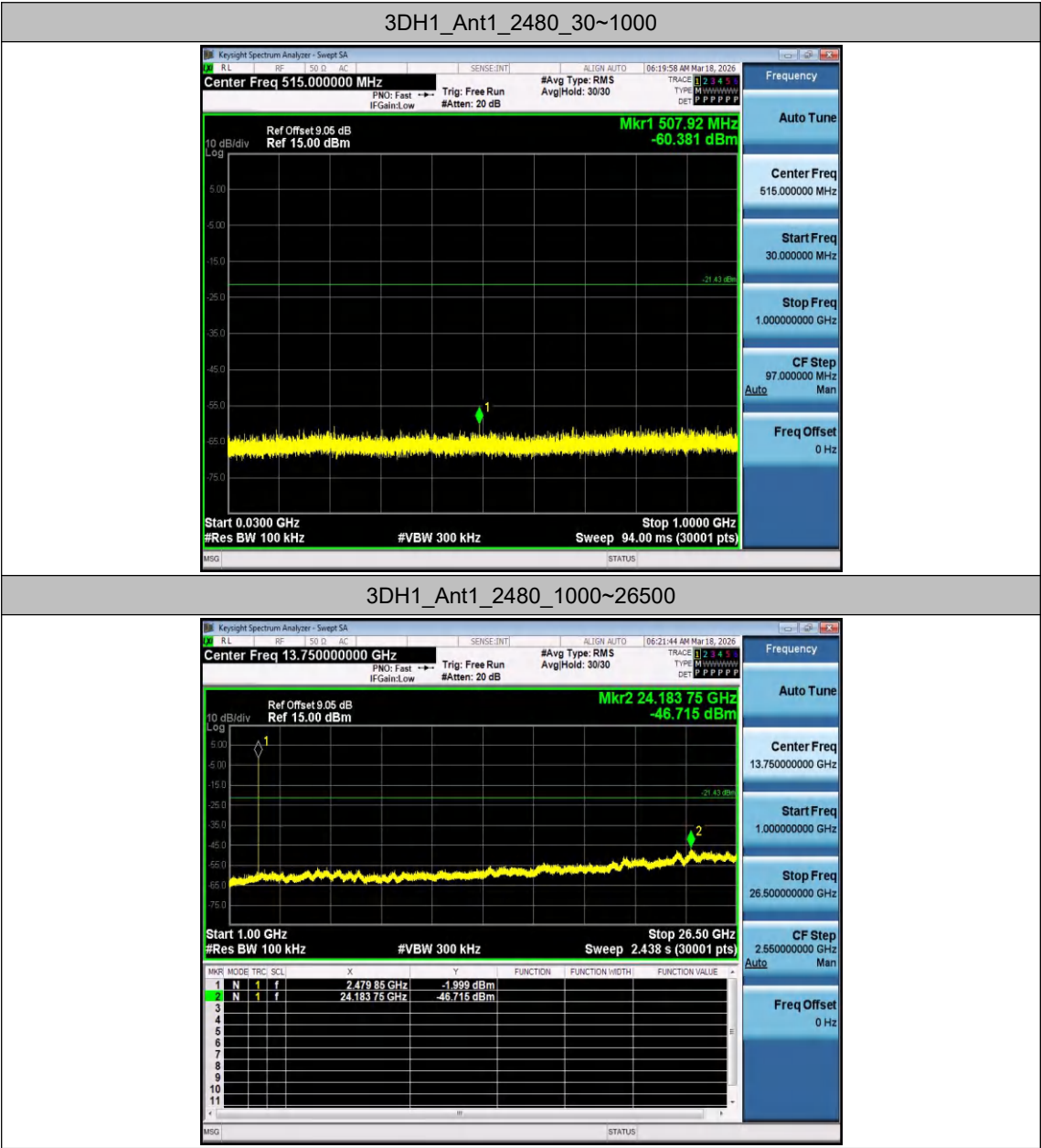


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9: Emissions in Restricted Bands

Test Result

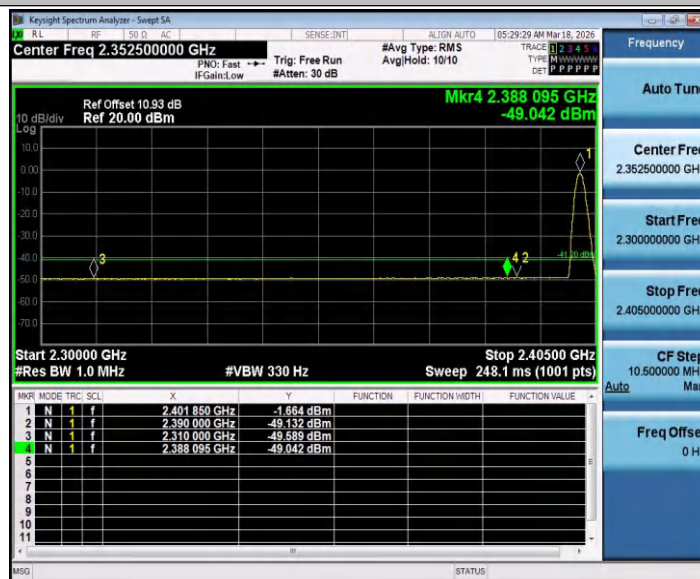
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.59	≤-41.20	45.61	≤54	PASS
				AV	2388.095	-49.04	≤-41.20	46.16	≤54	PASS
				AV	2390.000	-49.13	≤-41.20	46.07	≤54	PASS
				Peak	2310.000	-41.47	≤-21.20	53.73	≤74	PASS
				Peak	2341.265	-38.81	≤-21.20	56.39	≤74	PASS
				Peak	2390.000	-41.67	≤-21.20	53.53	≤74	PASS
		High	2480	AV	2483.500	-48.72	≤-41.20	46.48	≤54	PASS
				AV	2497.440	-48.5	≤-41.20	46.70	≤54	PASS
				AV	2500.000	-48.75	≤-41.20	46.45	≤54	PASS
				Peak	2483.500	-40.08	≤-21.20	55.12	≤74	PASS
				Peak	2487.680	-39.22	≤-21.20	55.98	≤74	PASS
				Peak	2500.000	-41.11	≤-21.20	54.09	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.53	≤-41.20	45.67	≤54	PASS
				AV	2386.835	-49.14	≤-41.20	46.06	≤54	PASS
				AV	2390.000	-49.24	≤-41.20	45.96	≤54	PASS
				Peak	2310.000	-42.45	≤-21.20	52.75	≤74	PASS
				Peak	2313.440	-38.52	≤-21.20	56.68	≤74	PASS
				Peak	2390.000	-41.67	≤-21.20	53.53	≤74	PASS
		High	2480	AV	2483.500	-48.69	≤-41.20	46.51	≤54	PASS
				AV	2496.880	-48.58	≤-41.20	46.62	≤54	PASS
				AV	2500.000	-48.56	≤-41.20	46.64	≤54	PASS
				Peak	2483.500	-41.26	≤-21.20	53.94	≤74	PASS
				Peak	2484.480	-38.75	≤-21.20	56.45	≤74	PASS
				Peak	2500.000	-40.84	≤-21.20	54.36	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.57	≤-41.20	45.63	≤54	PASS
				AV	2388.095	-49.05	≤-41.20	46.15	≤54	PASS
				AV	2390.000	-49.31	≤-41.20	45.89	≤54	PASS
				Peak	2310.000	-41.45	≤-21.20	53.75	≤74	PASS
				Peak	2367.095	-38.88	≤-21.20	56.32	≤74	PASS
				Peak	2390.000	-39.15	≤-21.20	56.05	≤74	PASS
		High	2480	AV	2483.500	-48.79	≤-41.20	46.41	≤54	PASS
				AV	2497.200	-48.49	≤-41.20	46.71	≤54	PASS
				AV	2500.000	-48.71	≤-41.20	46.49	≤54	PASS
				Peak	2483.500	-40.9	≤-21.20	54.30	≤74	PASS
				Peak	2493.520	-38.92	≤-21.20	56.28	≤74	PASS
				Peak	2500.000	-41.27	≤-21.20	53.93	≤74	PASS

Note:

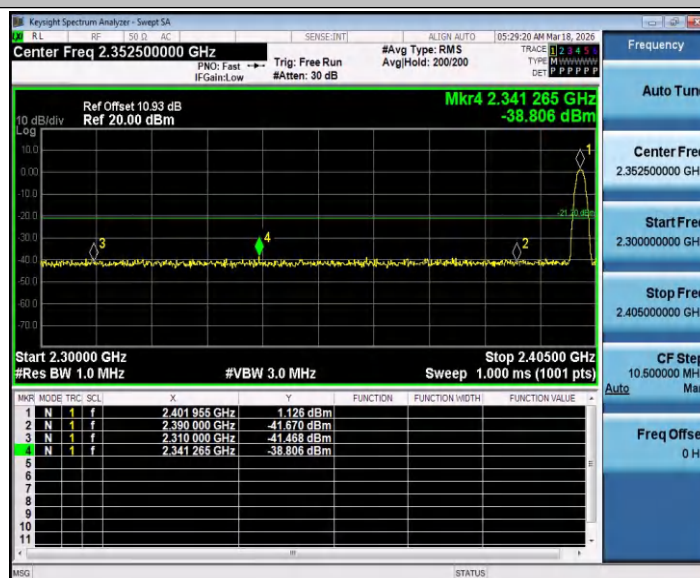
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

DH1_Ant1_Low_2402_AV



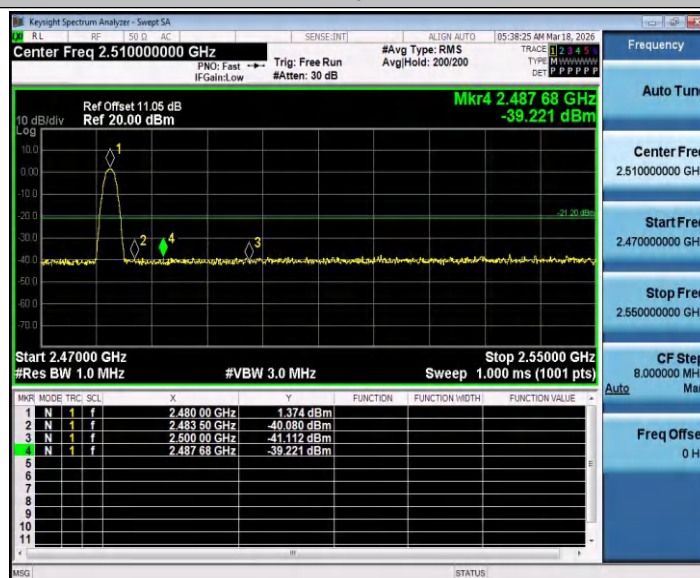
DH1_Ant1_Low_2402_Peak



DH1_Ant1_High_2480_AV



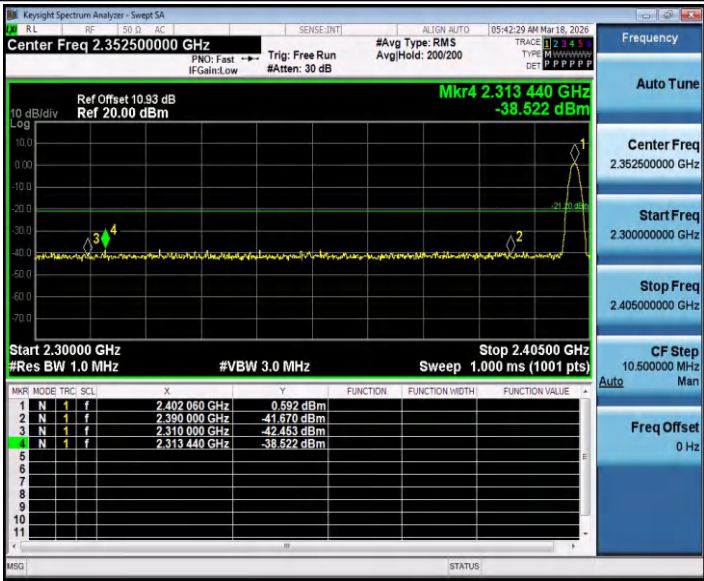
DH1_Ant1_High_2480_Peak



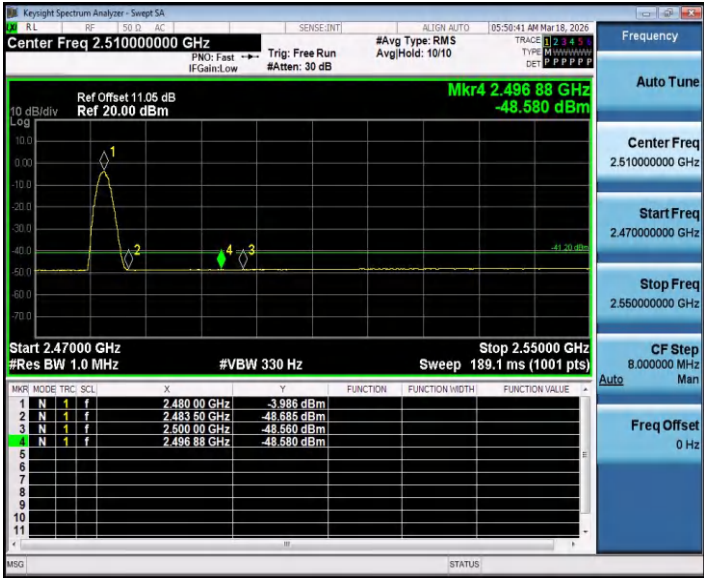
2DH1_Ant1_Low_2402_AV



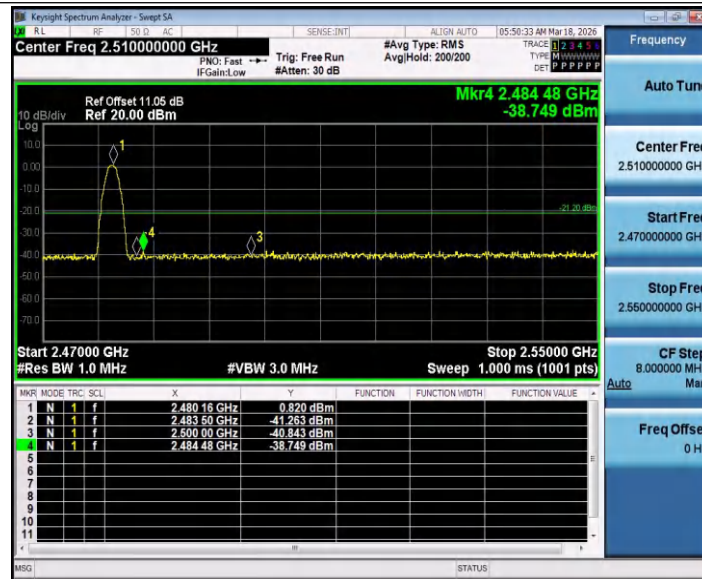
2DH1_Ant1_Low_2402_Peak



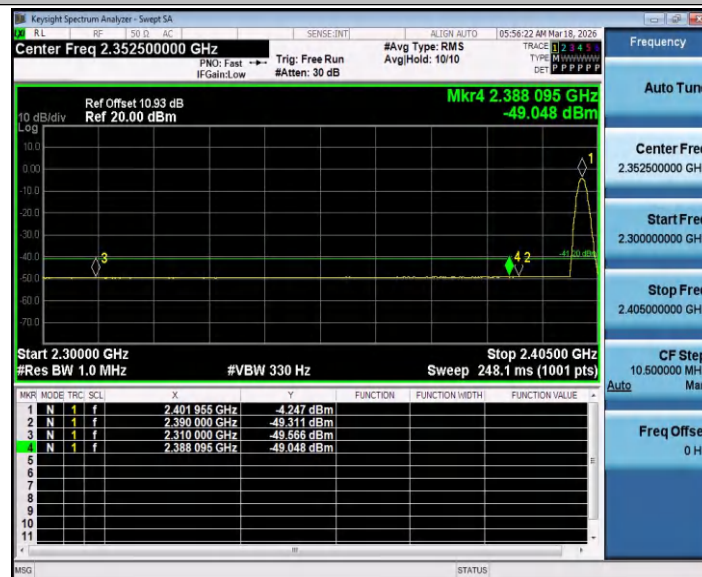
2DH1_Ant1_High_2480_AV



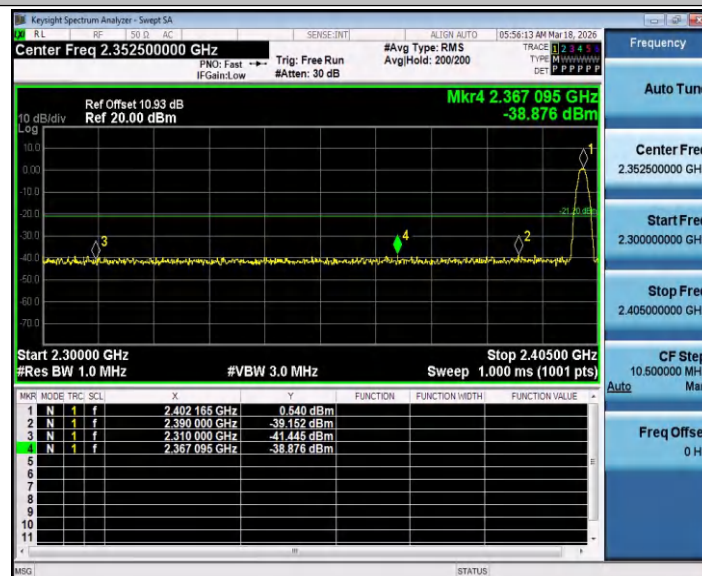
2DH1_Ant1_High_2480_Peak



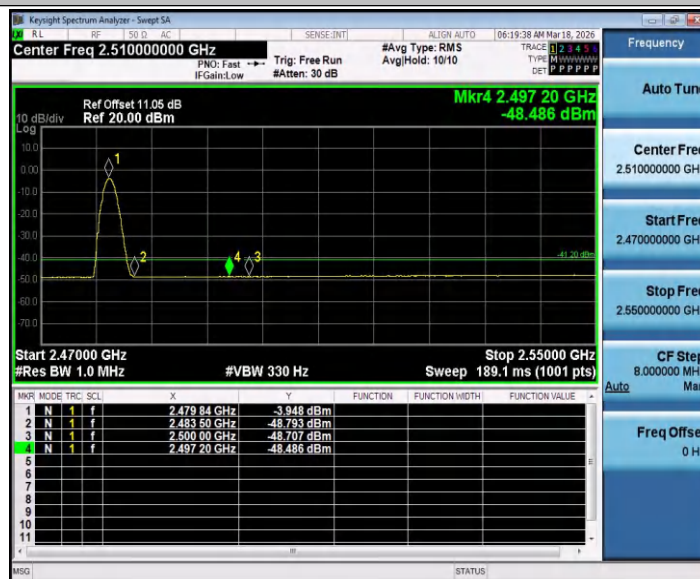
3DH1_Ant1_Low_2402_AV



3DH1_Ant1_Low_2402_Peak



3DH1_Ant1_High_2480_AV



3DH1_Ant1_High_2480_Peak

