

Case No. : <u>GTS20260525017-1-01</u>
Ambient Condition: <u>23</u> °C, <u>59</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.6.3</u> Test Engineer: <u>Evan ouyang</u>

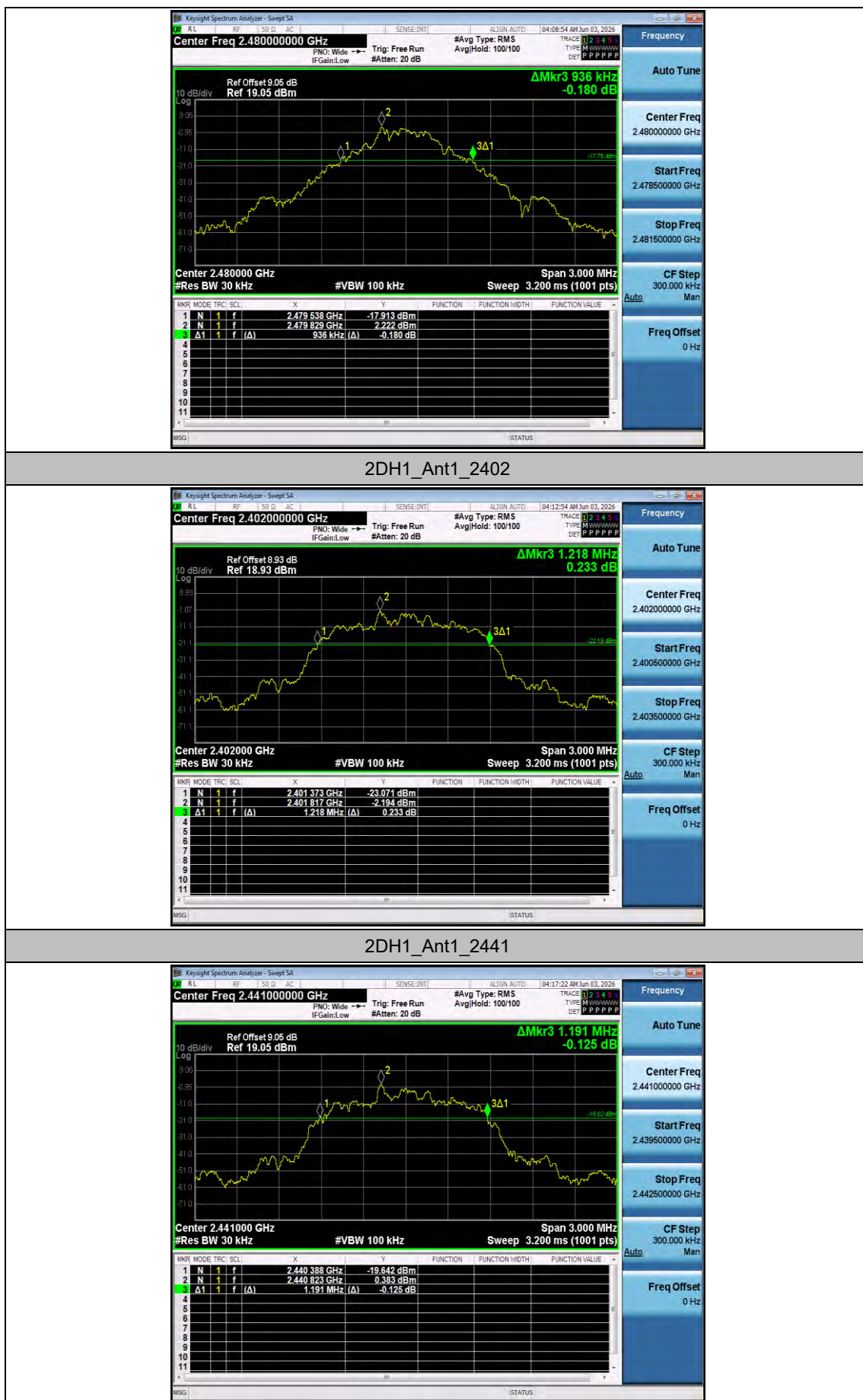
Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.897	2401.529	2402.426	---	---
		2441	0.921	2440.538	2441.459	---	---
		2480	0.936	2479.538	2480.474	---	---
2DH1	Ant1	2402	1.218	2401.373	2402.591	---	---
		2441	1.191	2440.388	2441.579	---	---
		2480	1.218	2479.367	2480.585	---	---
3DH1	Ant1	2402	1.200	2401.403	2402.603	---	---
		2441	1.197	2440.403	2441.600	---	---
		2480	1.185	2479.415	2480.600	---	---

Test Graphs





2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441

Keysight Spectrum Analyzer - Sweep SA

Center Freq 2.480000000 GHz

Ref Offset 9.05 dB
Ref 19.05 dBm

Span 3.000 MHz
Sweep 3.200 ms (1001 pts)

ΔMkr3 1.185 MHz
0.207 dB

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.479 415 GHz	-17.403 dBm			
2	N	1	f	2.479 823 GHz	2.833 dBm			
3	Δ1	1	f (Δ)	1.185 MHz (Δ)	0.207 dB			

Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.85011	2401.5654	2402.4155	---	---
		2441	0.85650	2440.5632	2441.4197	---	---
		2480	0.85812	2479.5582	2480.4163	---	---
2DH1	Ant1	2402	1.1254	2401.4231	2402.5485	---	---
		2441	1.1311	2440.4229	2441.5540	---	---
		2480	1.1331	2479.4203	2480.5534	---	---
3DH1	Ant1	2402	1.1170	2401.4400	2402.5570	---	---
		2441	1.1180	2440.4400	2441.5580	---	---
		2480	1.1214	2479.4376	2480.5590	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DHI_Ant1_2402



2DHI_Ant1_2441



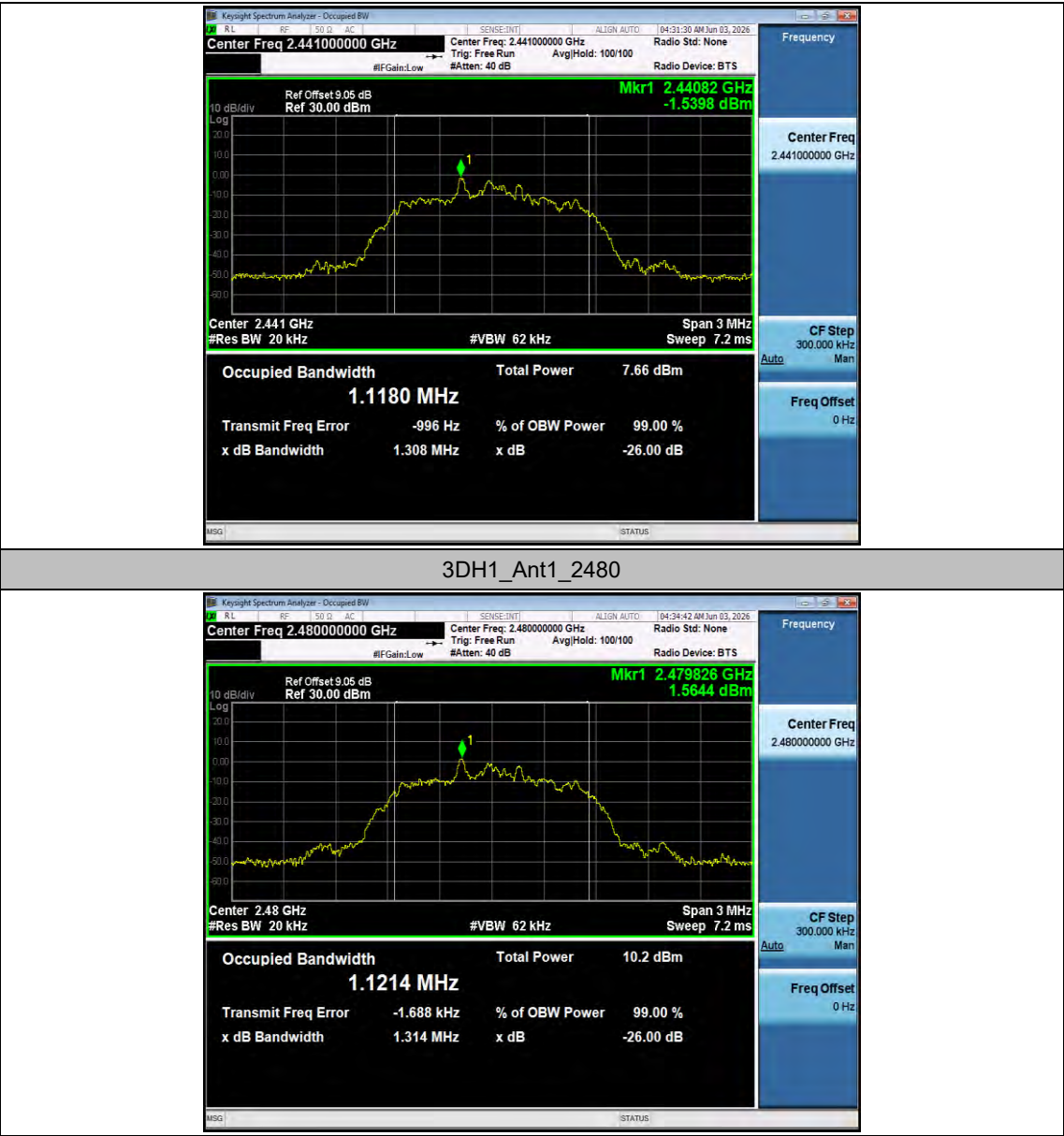
2DH1_Ant1_2480



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	1.52	≤20.97	PASS
		2441	2.33	≤20.97	PASS
		2480	5.98	≤20.97	PASS
2DH1	Ant1	2402	1.47	≤20.97	PASS
		2441	2.38	≤20.97	PASS
		2480	6.98	≤20.97	PASS
3DH1	Ant1	2402	1.91	≤20.97	PASS
		2441	2.81	≤20.97	PASS
		2480	6.86	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.016	≥ 0.624	PASS
		Hop_2441	1	≥ 0.624	PASS
		Hop_2480	1	≥ 0.624	PASS
2DH1	Ant1	Hop_2402	0.998	≥ 0.812	PASS
		Hop_2441	0.996	≥ 0.812	PASS
		Hop_2480	1.336	≥ 1.218	PASS
3DH1	Ant1	Hop_2402	0.998	≥ 0.800	PASS
		Hop_2441	0.994	≥ 0.800	PASS
		Hop_2480	0.986	≥ 0.800	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

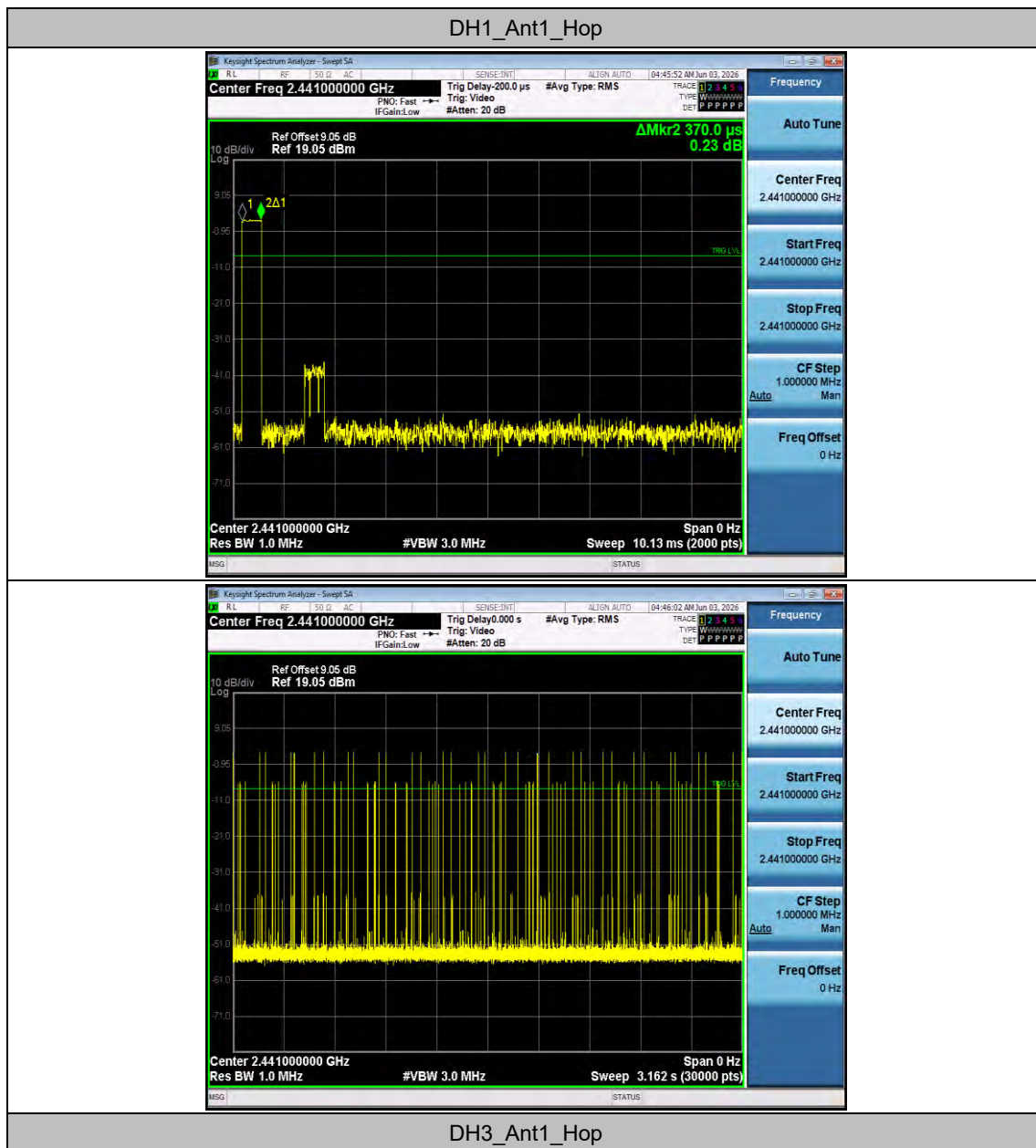


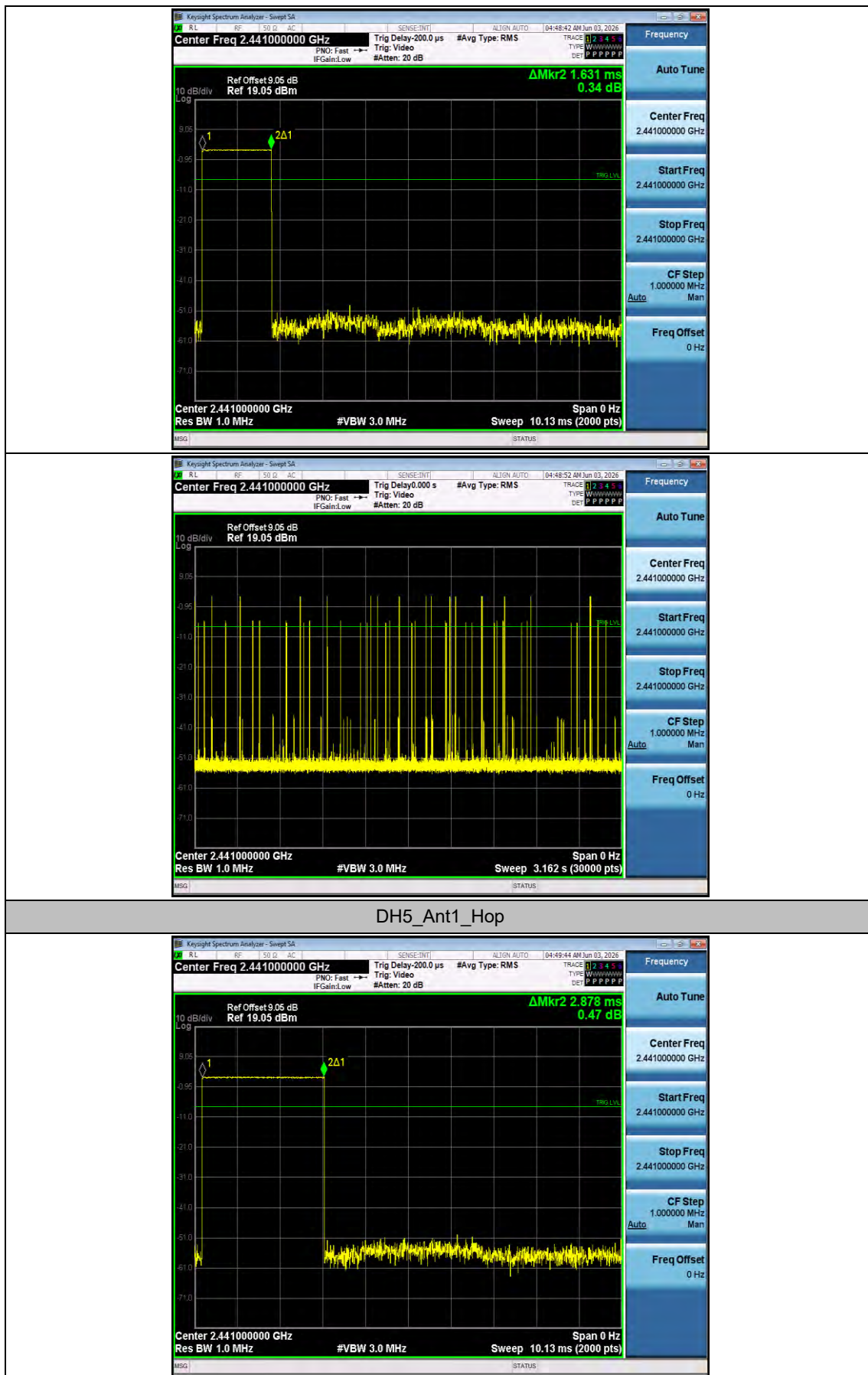
Appendix A.5: Time of occupancy

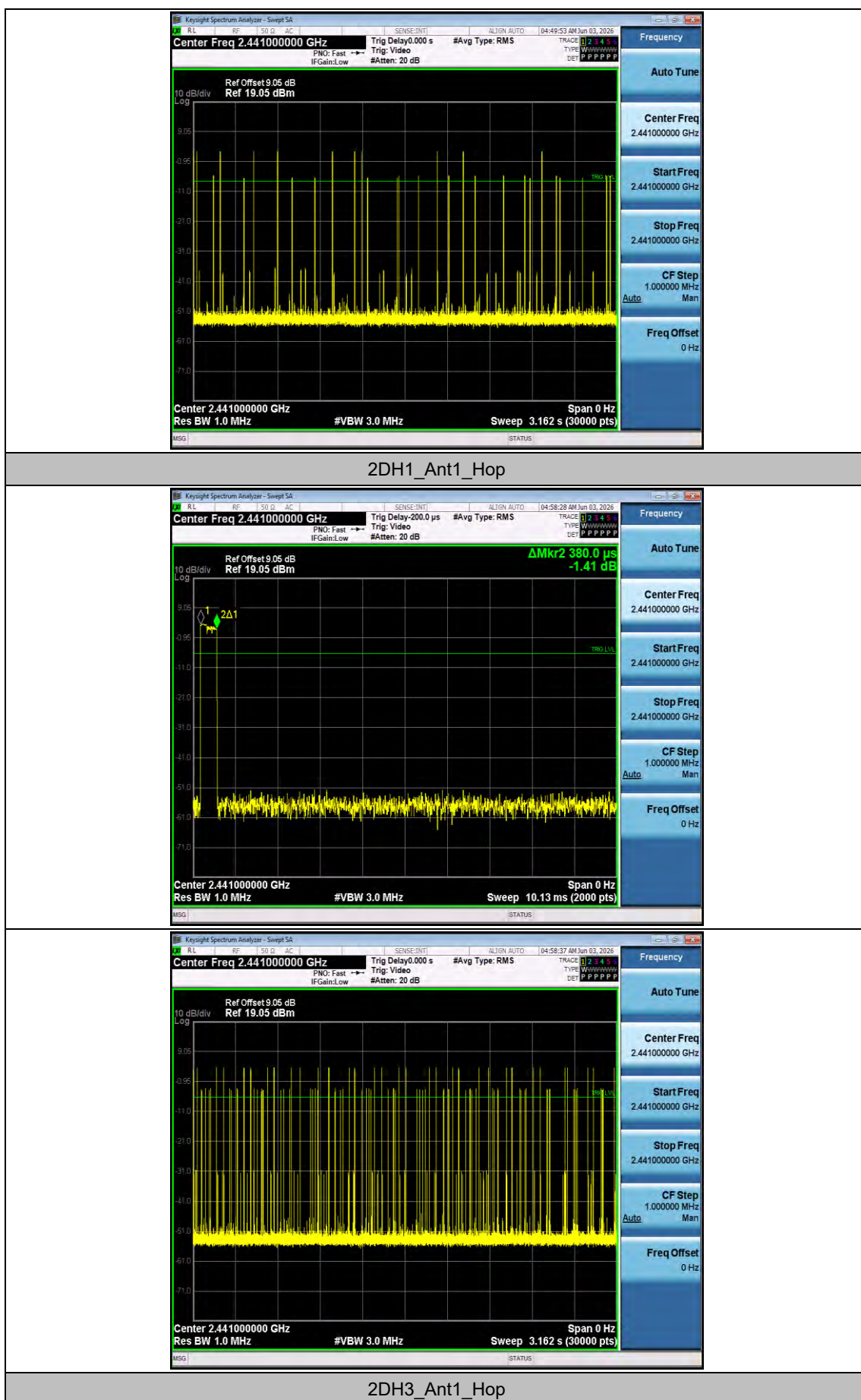
Test Result

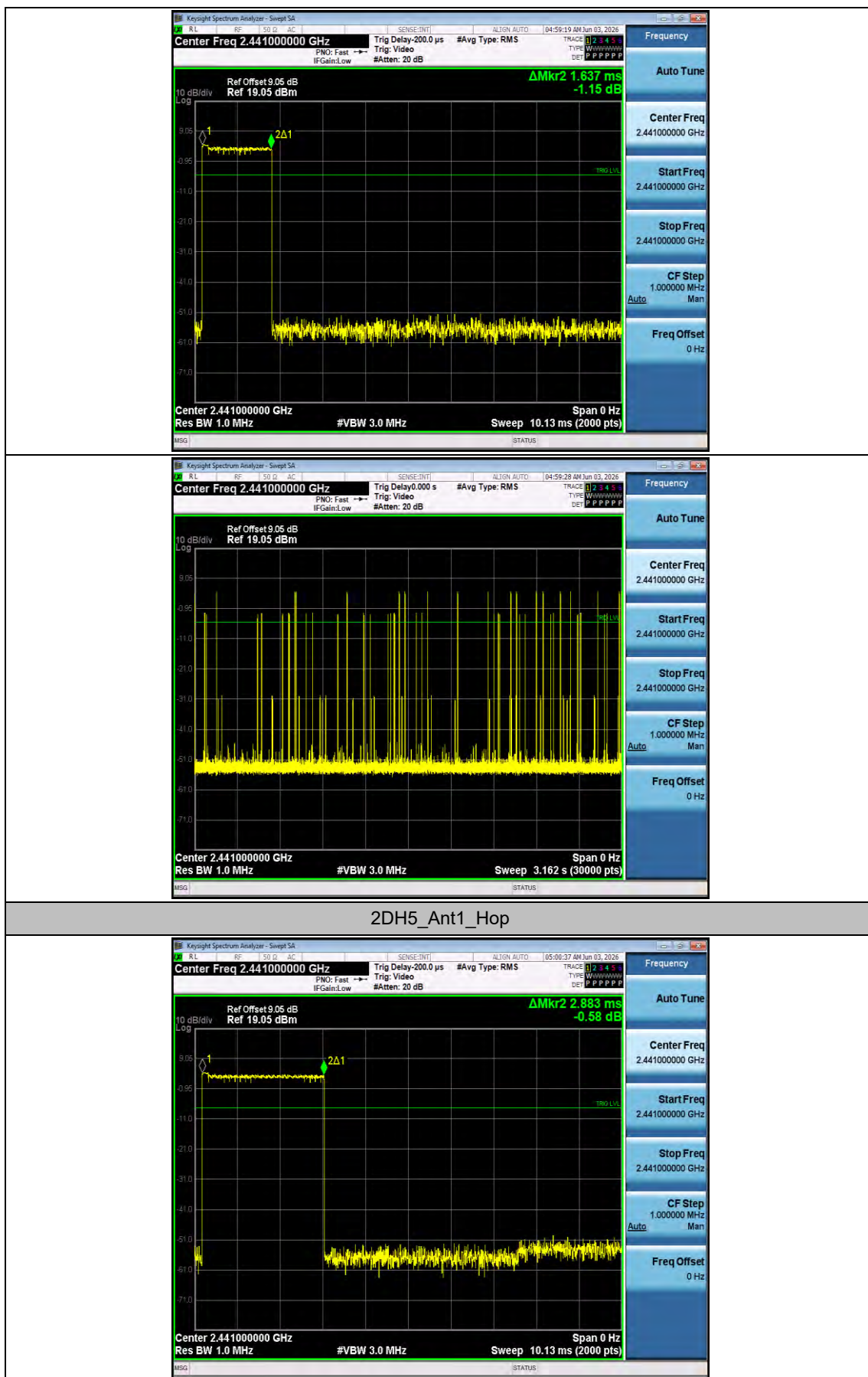
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.370	330	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.631	180	0.294	≤0.4	PASS
DH5	Ant1	Hop	2.878	110	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.380	330	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.637	190	0.311	≤0.4	PASS
2DH5	Ant1	Hop	2.883	80	0.231	≤0.4	PASS
3DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.631	160	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.883	110	0.317	≤0.4	PASS

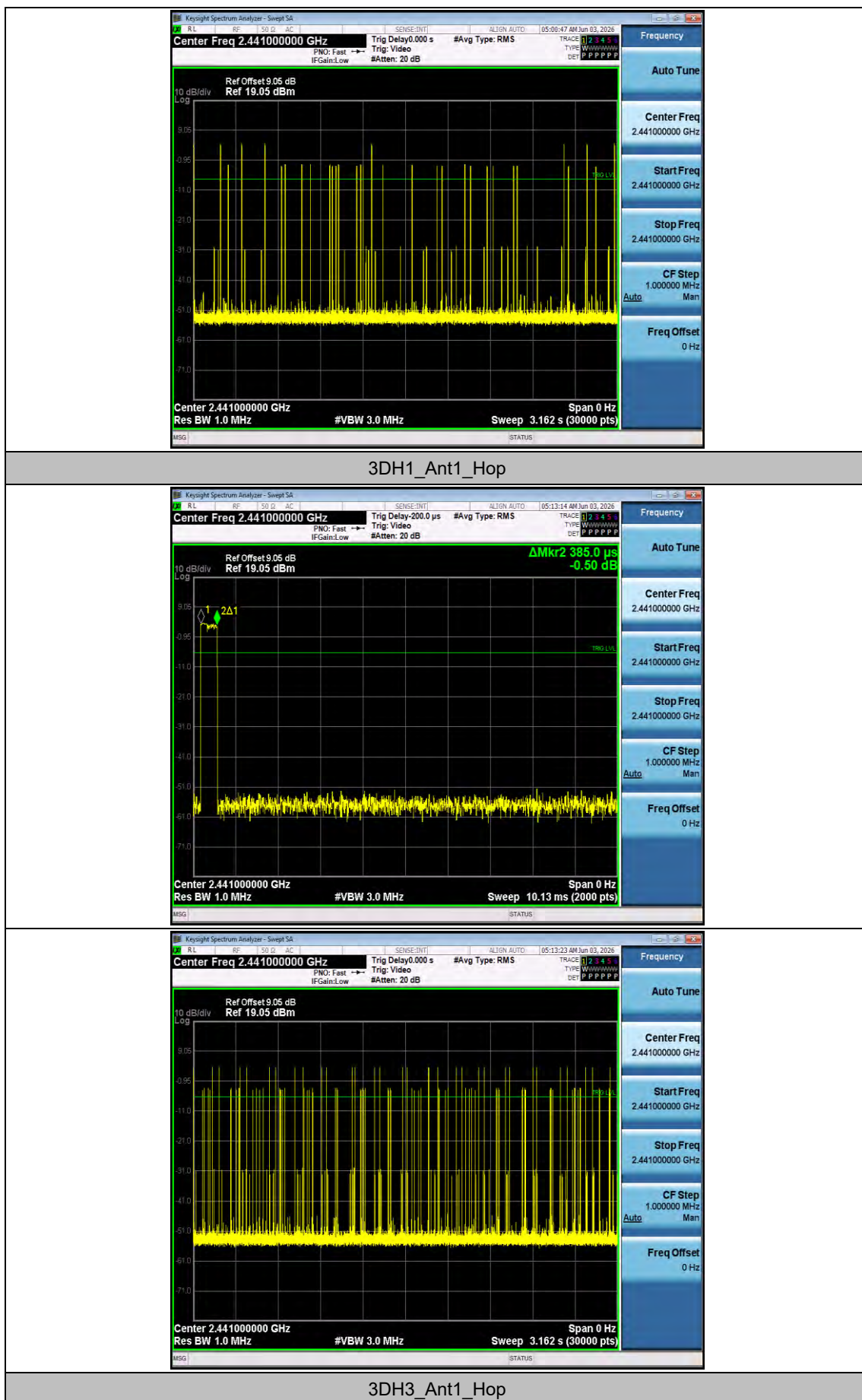
Test Graphs

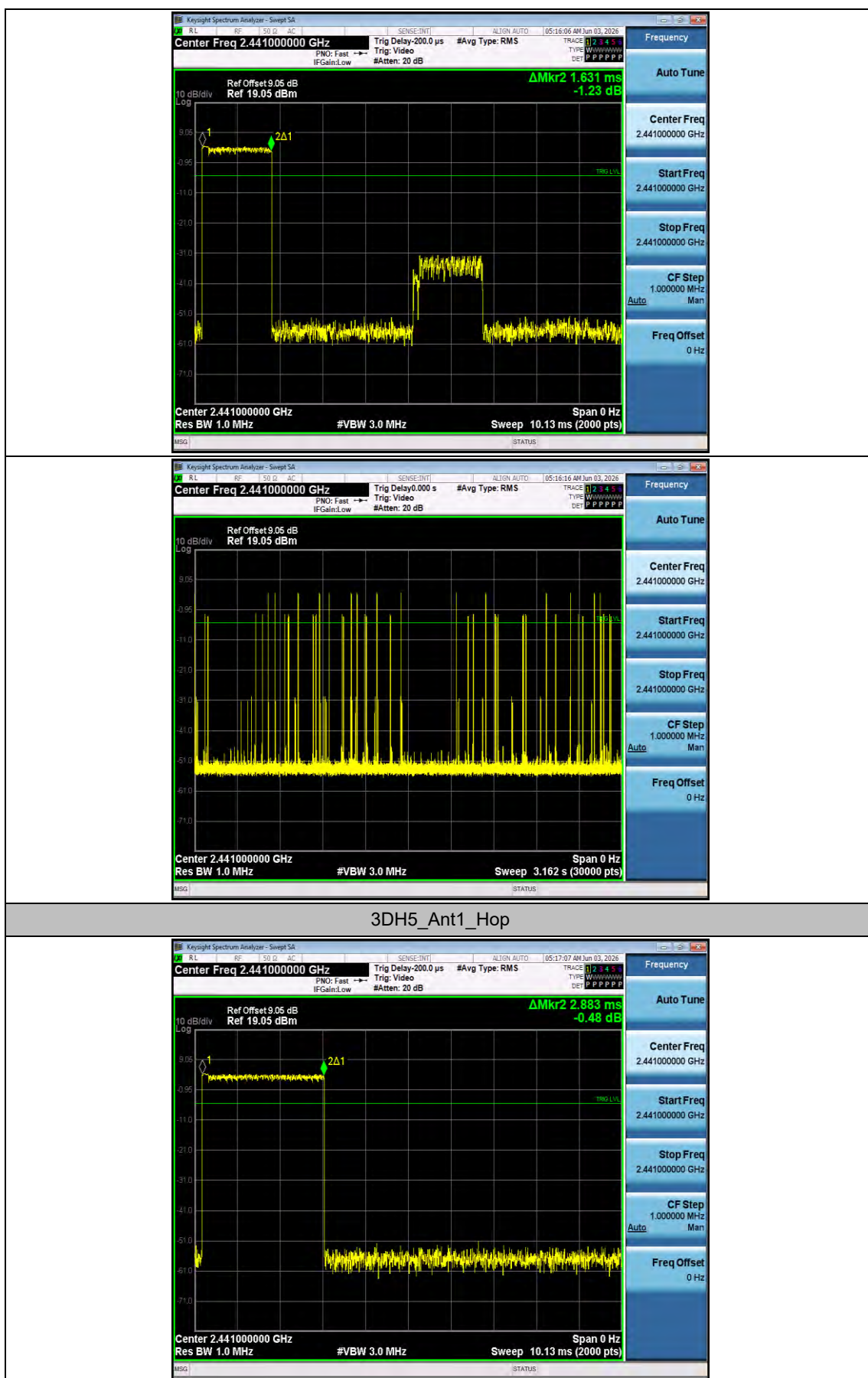












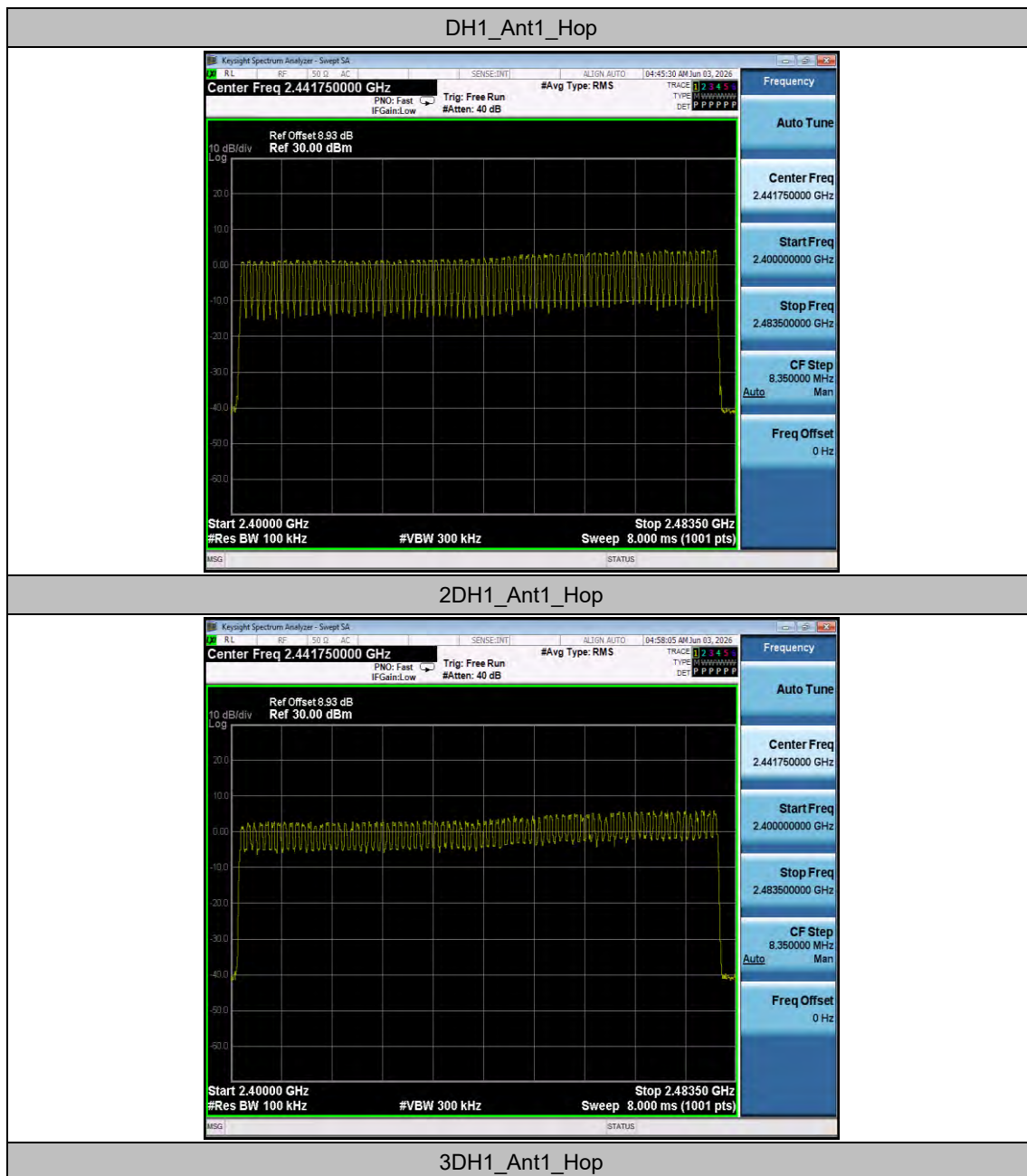


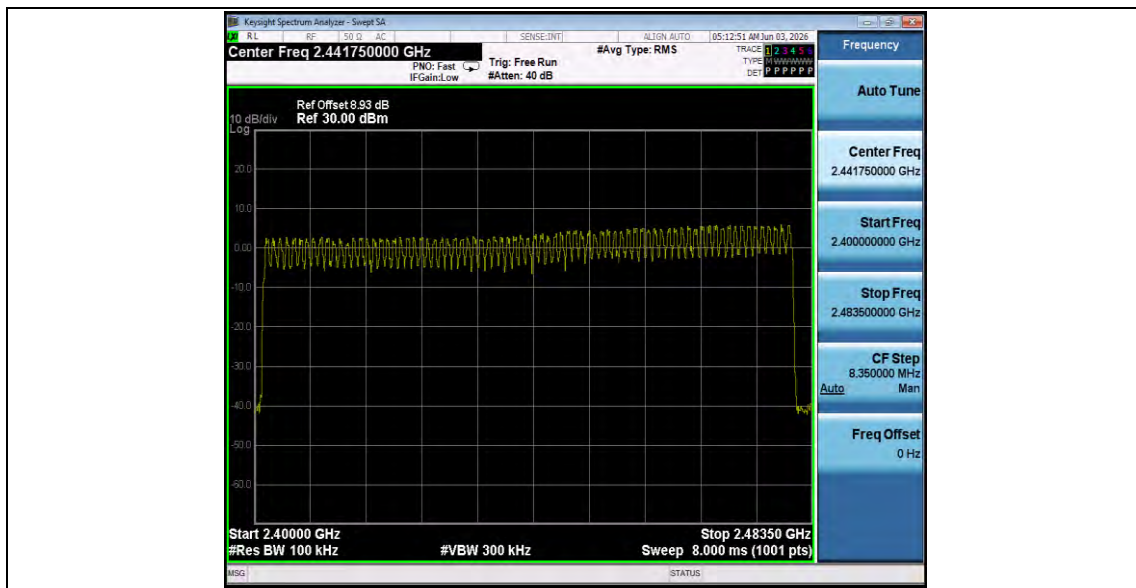
Appendix A.6: Number of hopping channels

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





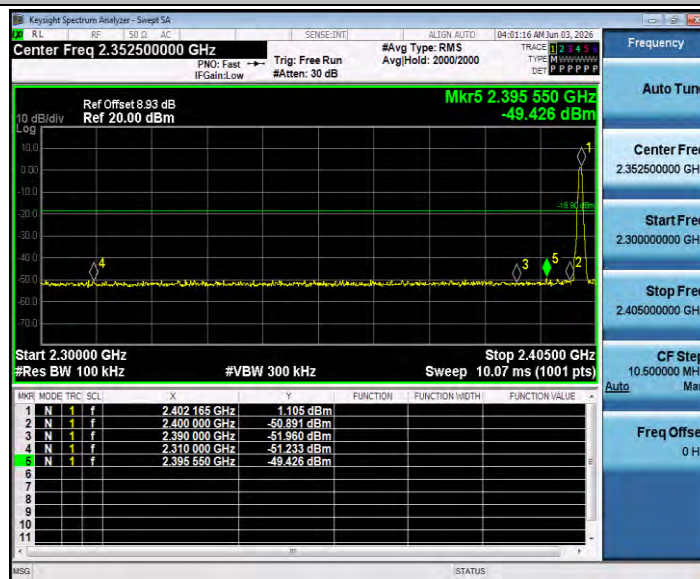
Appendix A.7:Band edge measurements

Test Result

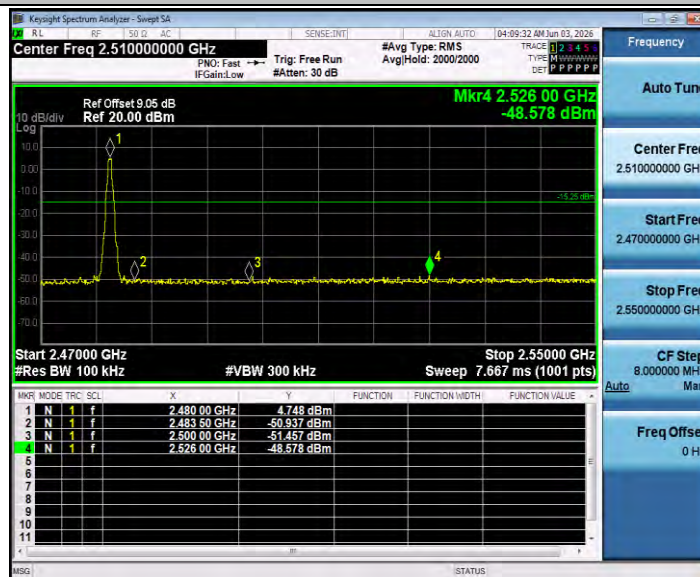
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	1.11	-49.43	≤-18.9	PASS
		High	2480	4.75	-48.58	≤-15.25	PASS
		Low	Hop_2402	1.23	-49.16	≤-18.77	PASS
		High	Hop_2480	5.77	-48.79	≤-14.23	PASS
2DH1	Ant1	Low	2402	1.16	-49.49	≤-18.84	PASS
		High	2480	4.83	-48.06	≤-15.17	PASS
		Low	Hop_2402	2.41	-49.3	≤-17.59	PASS
		High	Hop_2480	6.30	-47.91	≤-13.7	PASS
3DH1	Ant1	Low	2402	1.19	-49.21	≤-18.81	PASS
		High	2480	4.83	-47.93	≤-15.17	PASS
		Low	Hop_2402	2.33	-48.74	≤-17.67	PASS
		High	Hop_2480	6.68	-48.74	≤-13.32	PASS

Test Graphs

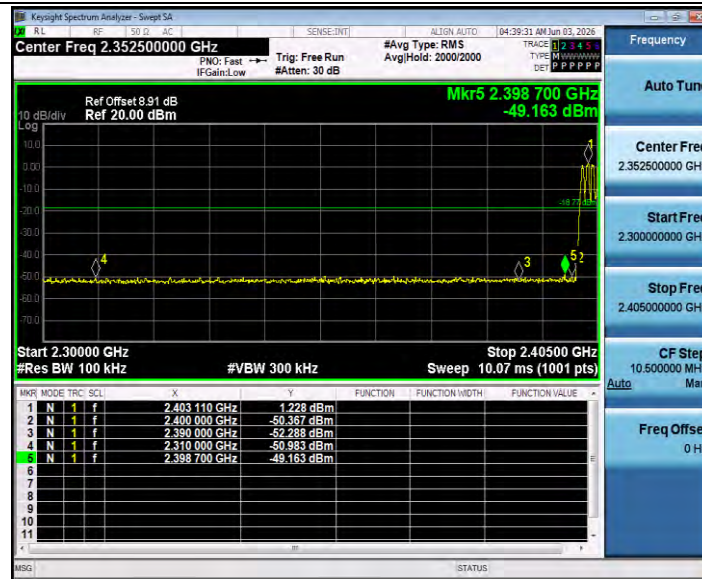
DH1_Ant1_Low_2402



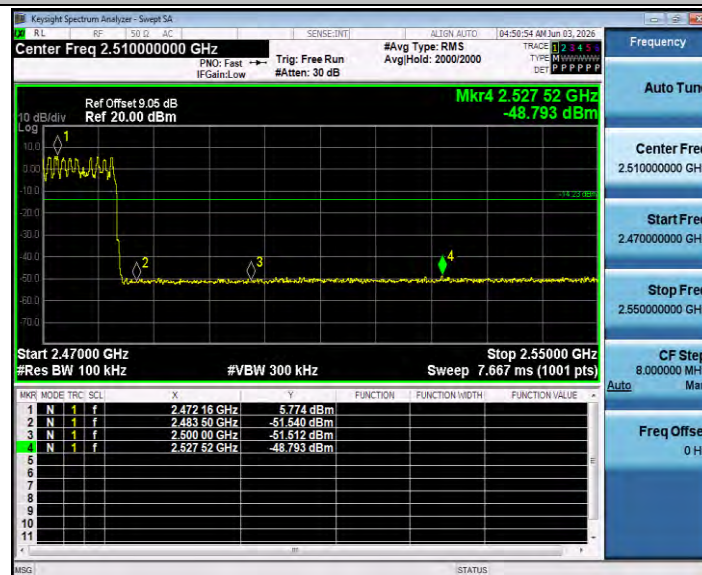
DH1_Ant1_High_2480



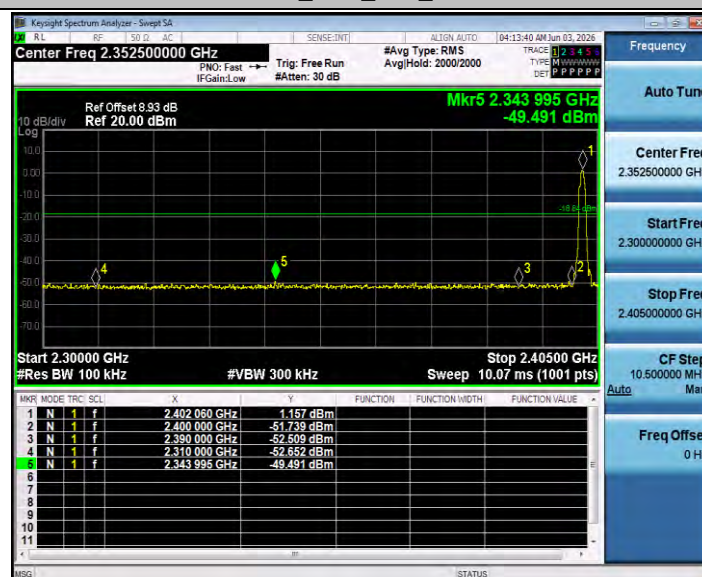
DH1_Ant1_Low_Hop_2402



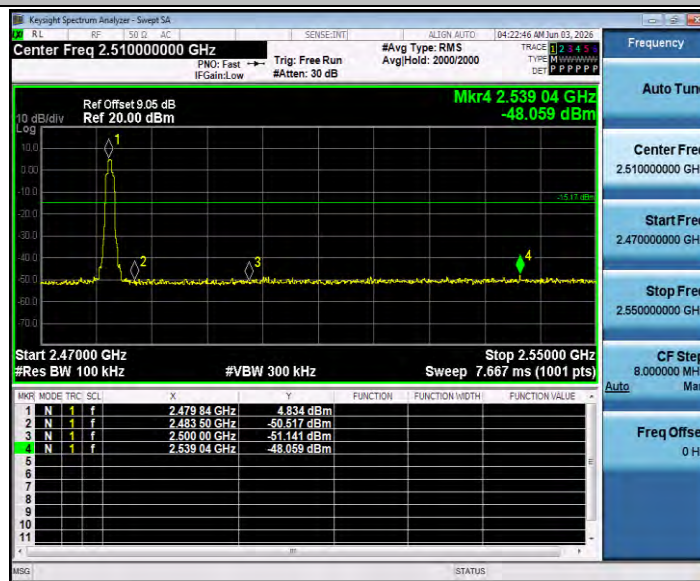
DH1_Ant1_High_Hop_2480



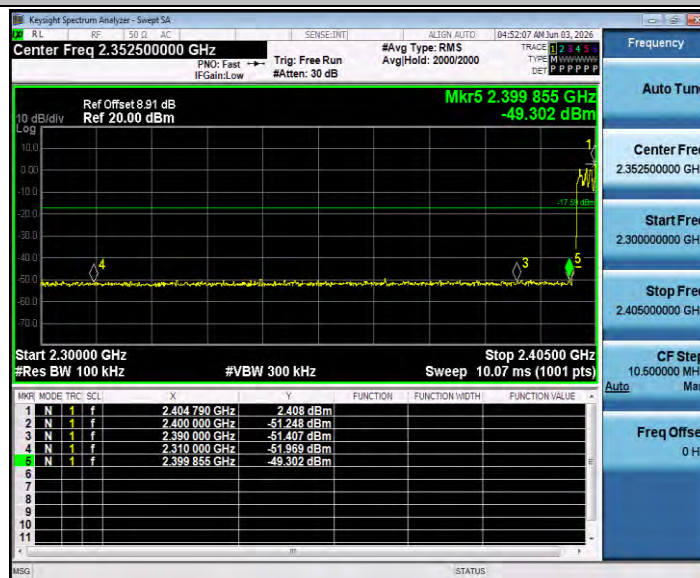
2DH1_Ant1_Low_2402



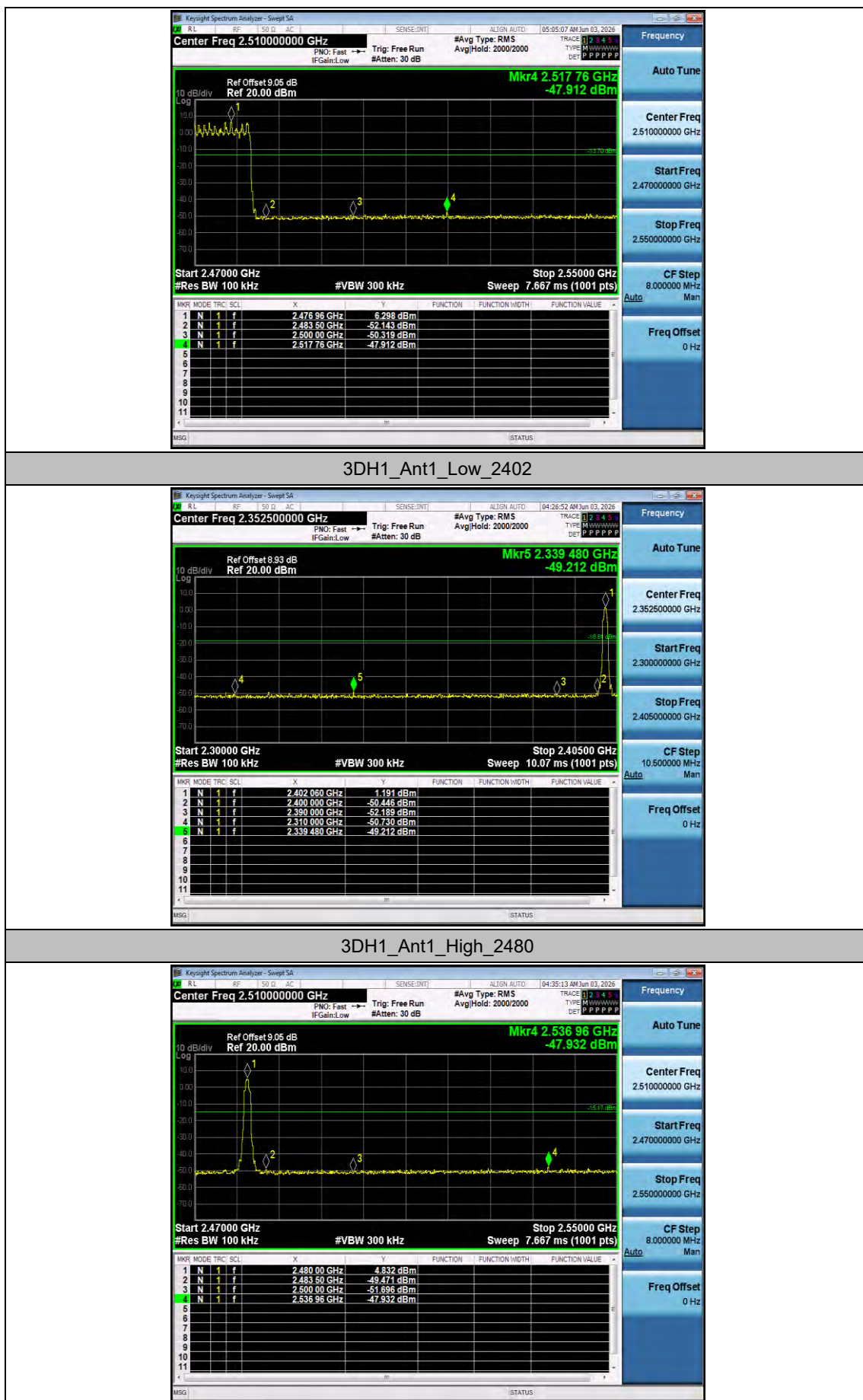
2DH1_Ant1_High_2480

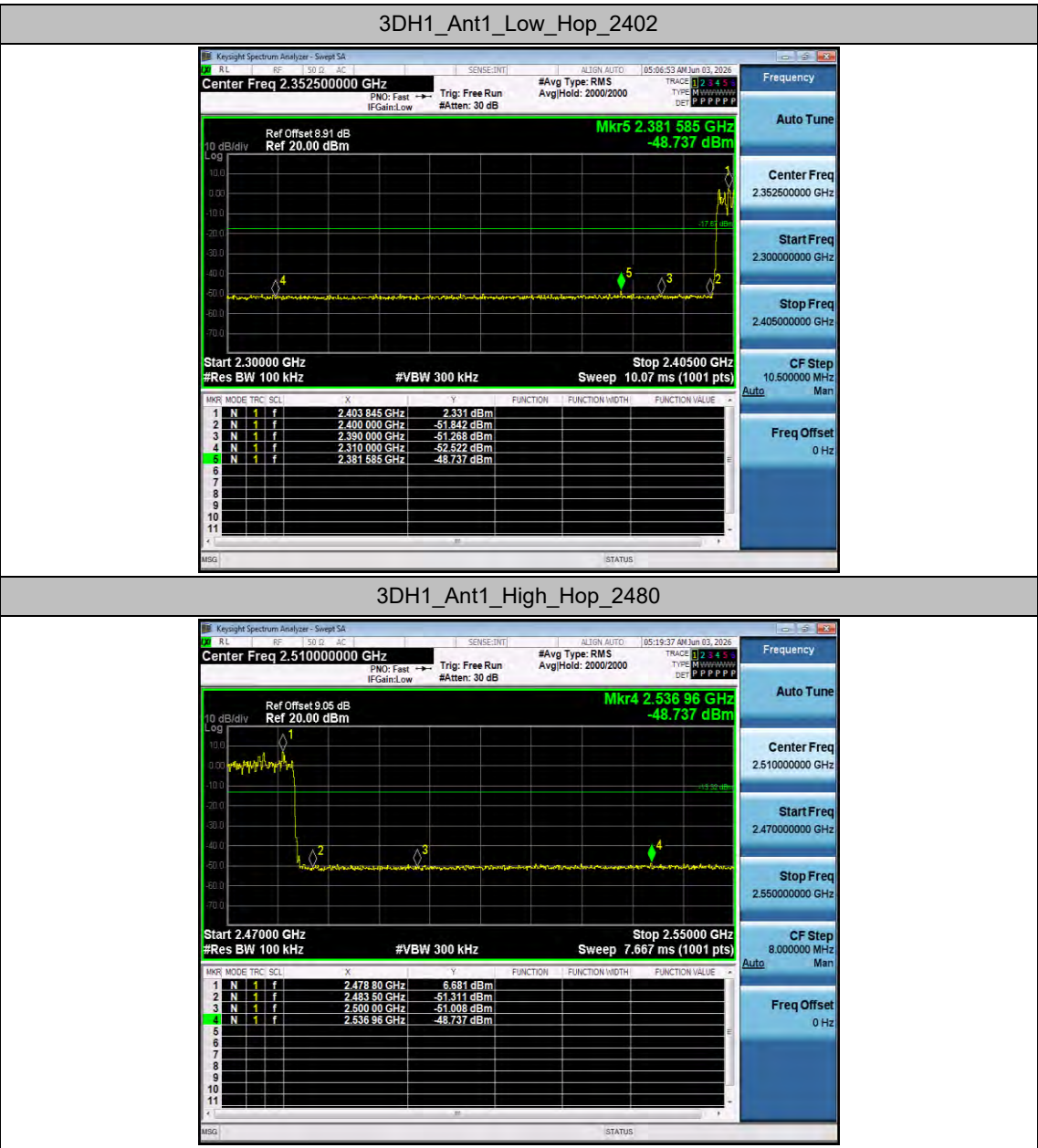


2DH1_Ant1_Low_Hop_2402



2DH1_Ant1_High_Hop_2480



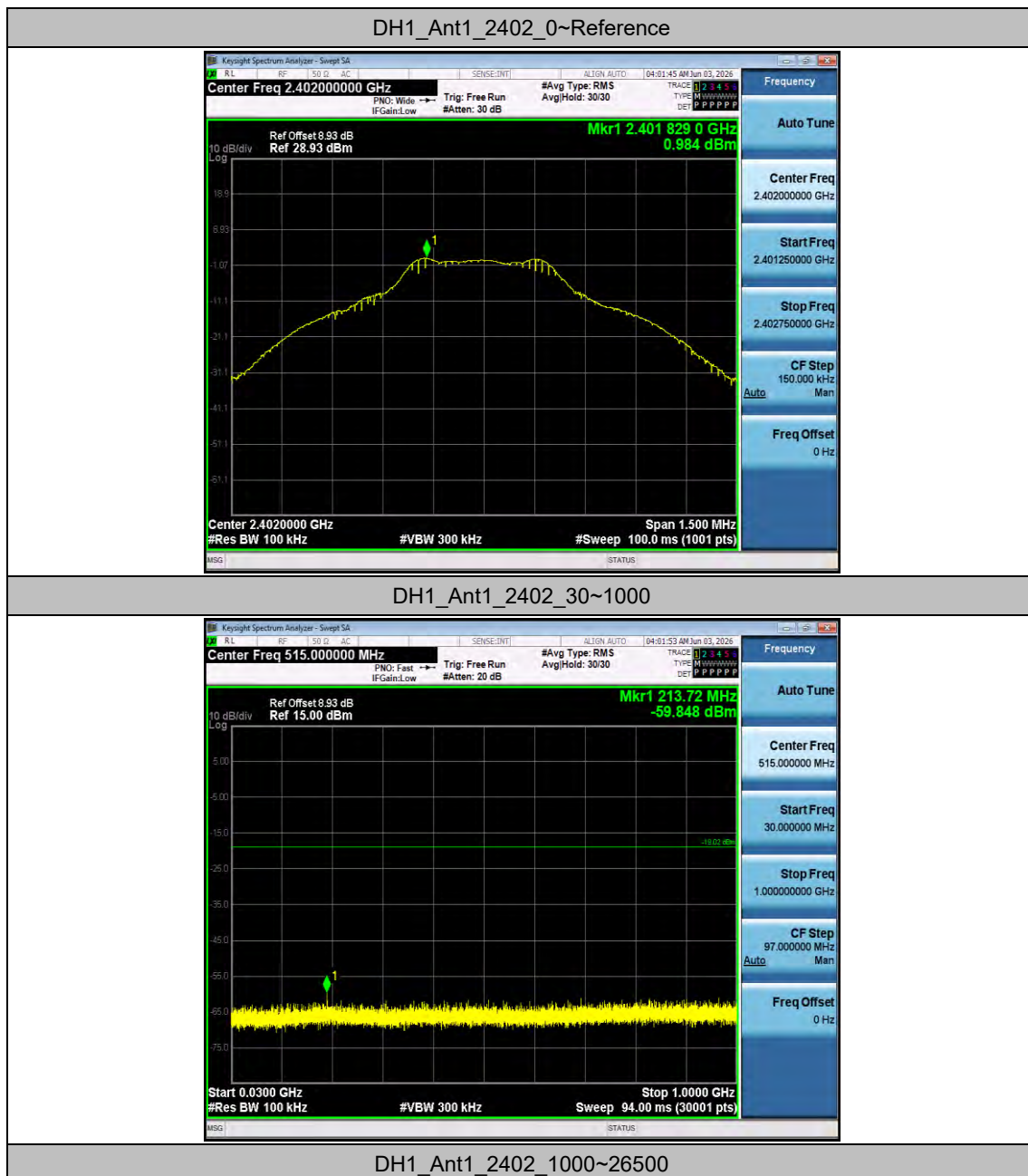


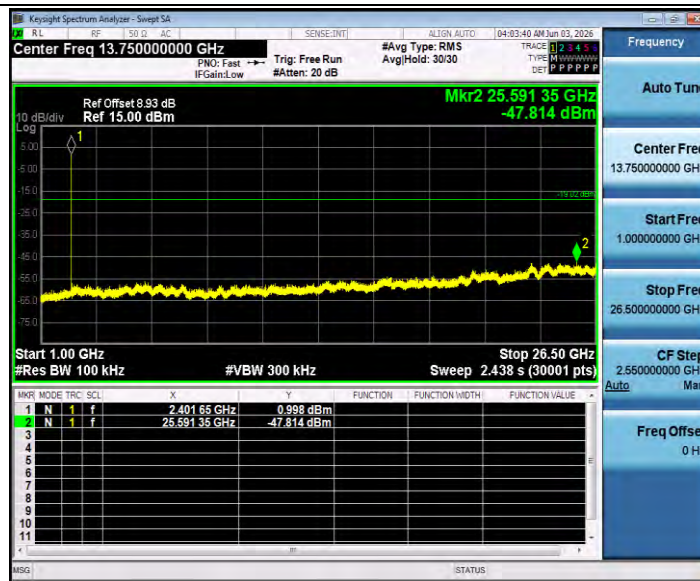
Appendix A.8:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	0.98	0.98	---	PASS
			30~1000	0.98	-59.85	≤-19.02	PASS
			1000~26500	0.98	-47.81	≤-19.02	PASS
		2441	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-60.55	≤-18.09	PASS
			1000~26500	1.91	-48.29	≤-18.09	PASS
		2480	Reference	4.62	4.62	---	PASS
			30~1000	4.62	-60.66	≤-15.38	PASS
			1000~26500	4.62	-46.78	≤-15.38	PASS
2DH1	Ant1	2402	Reference	1.05	1.05	---	PASS
			30~1000	1.05	-60.56	≤-18.95	PASS
			1000~26500	1.05	-48.35	≤-18.95	PASS
		2441	Reference	1.98	1.98	---	PASS
			30~1000	1.98	-60.43	≤-18.02	PASS
			1000~26500	1.98	-47.38	≤-18.02	PASS
		2480	Reference	4.70	4.70	---	PASS
			30~1000	4.70	-60.73	≤-15.3	PASS
			1000~26500	4.70	-47.55	≤-15.3	PASS
3DH1	Ant1	2402	Reference	1.07	1.07	---	PASS
			30~1000	1.07	-60.6	≤-18.93	PASS
			1000~26500	1.07	-47.64	≤-18.93	PASS
		2441	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-59.81	≤-18	PASS
			1000~26500	2.00	-46.58	≤-18	PASS
		2480	Reference	4.71	4.71	---	PASS
			30~1000	4.71	-60.53	≤-15.29	PASS
			1000~26500	4.71	-47.32	≤-15.29	PASS

Test Graphs





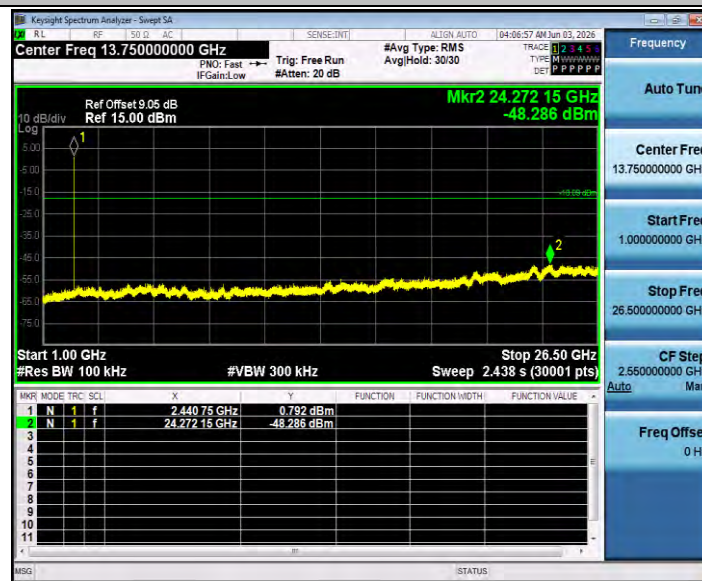
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



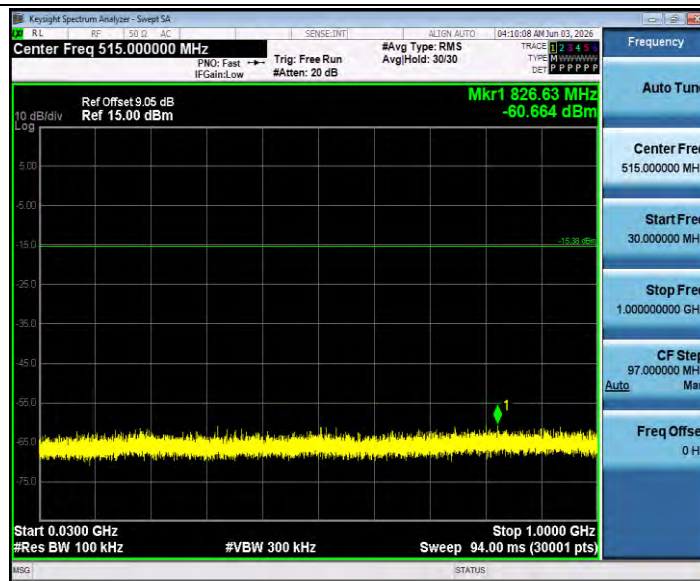
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

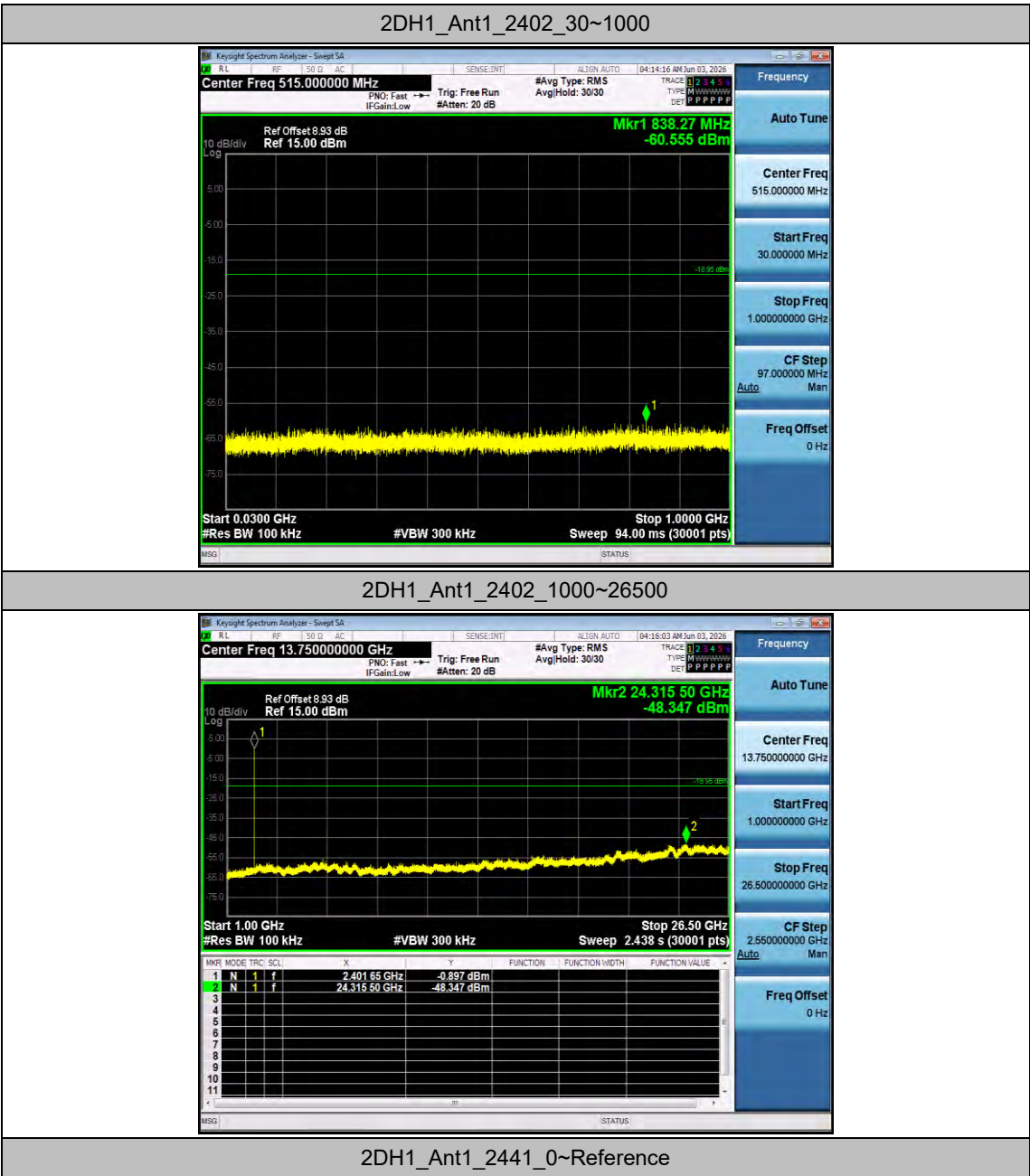


DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



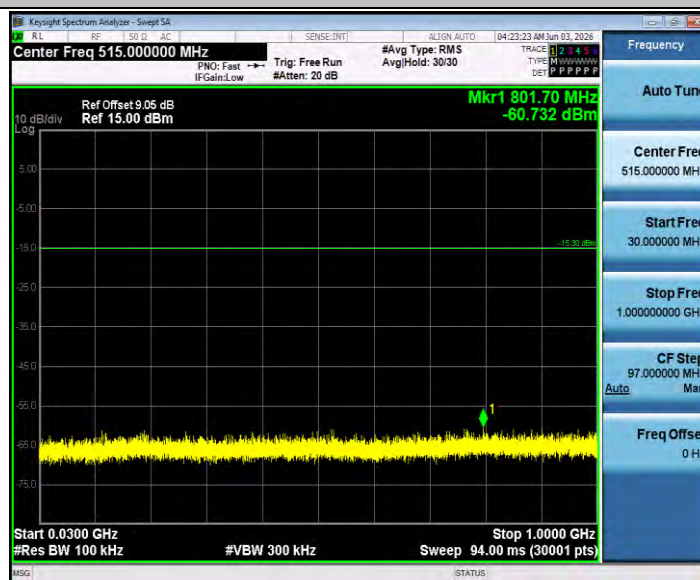
2DH1_Ant1_2441_1000~26500



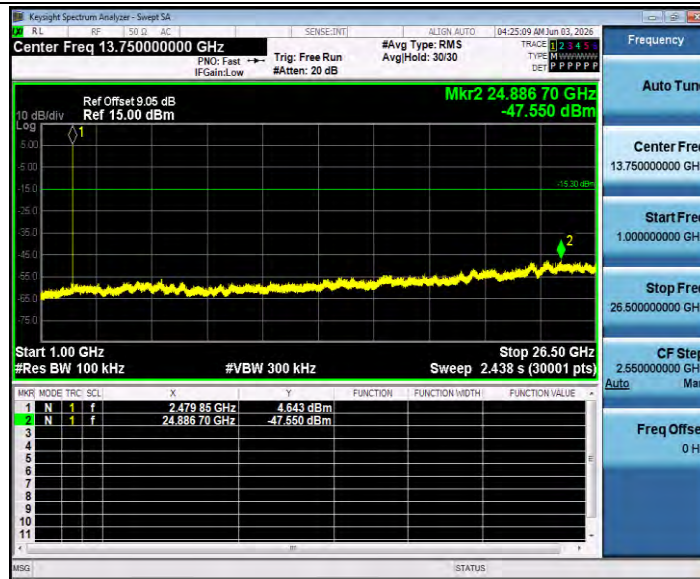
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



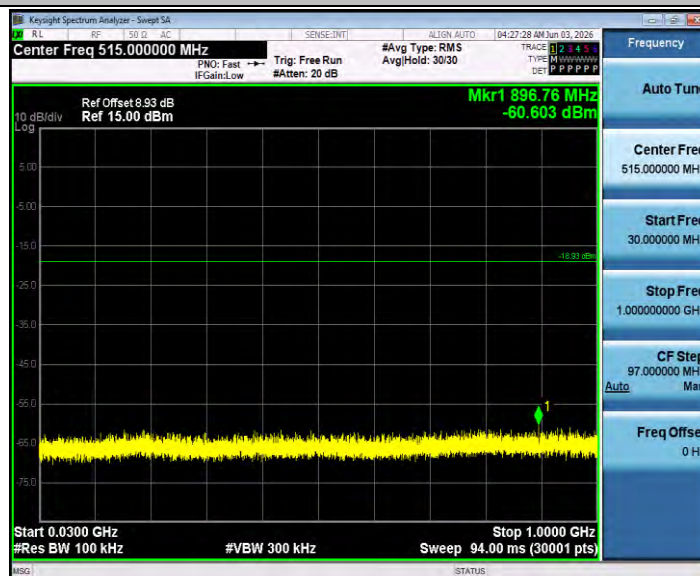
2DH1_Ant1_2480_1000~26500



3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



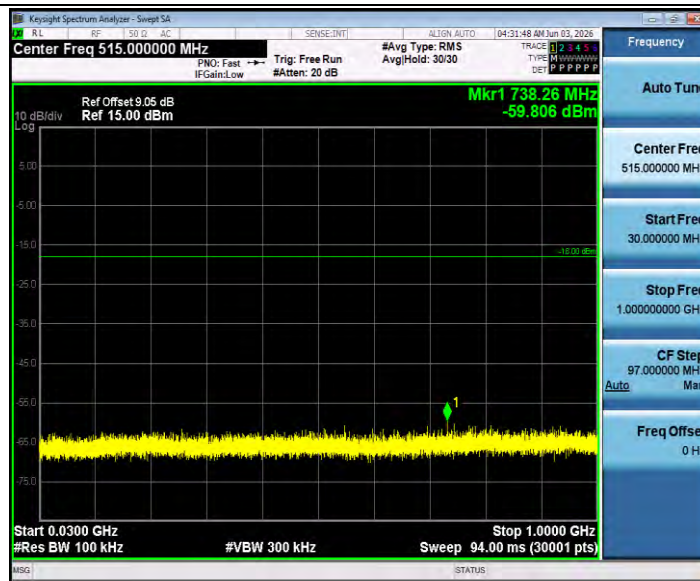
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000

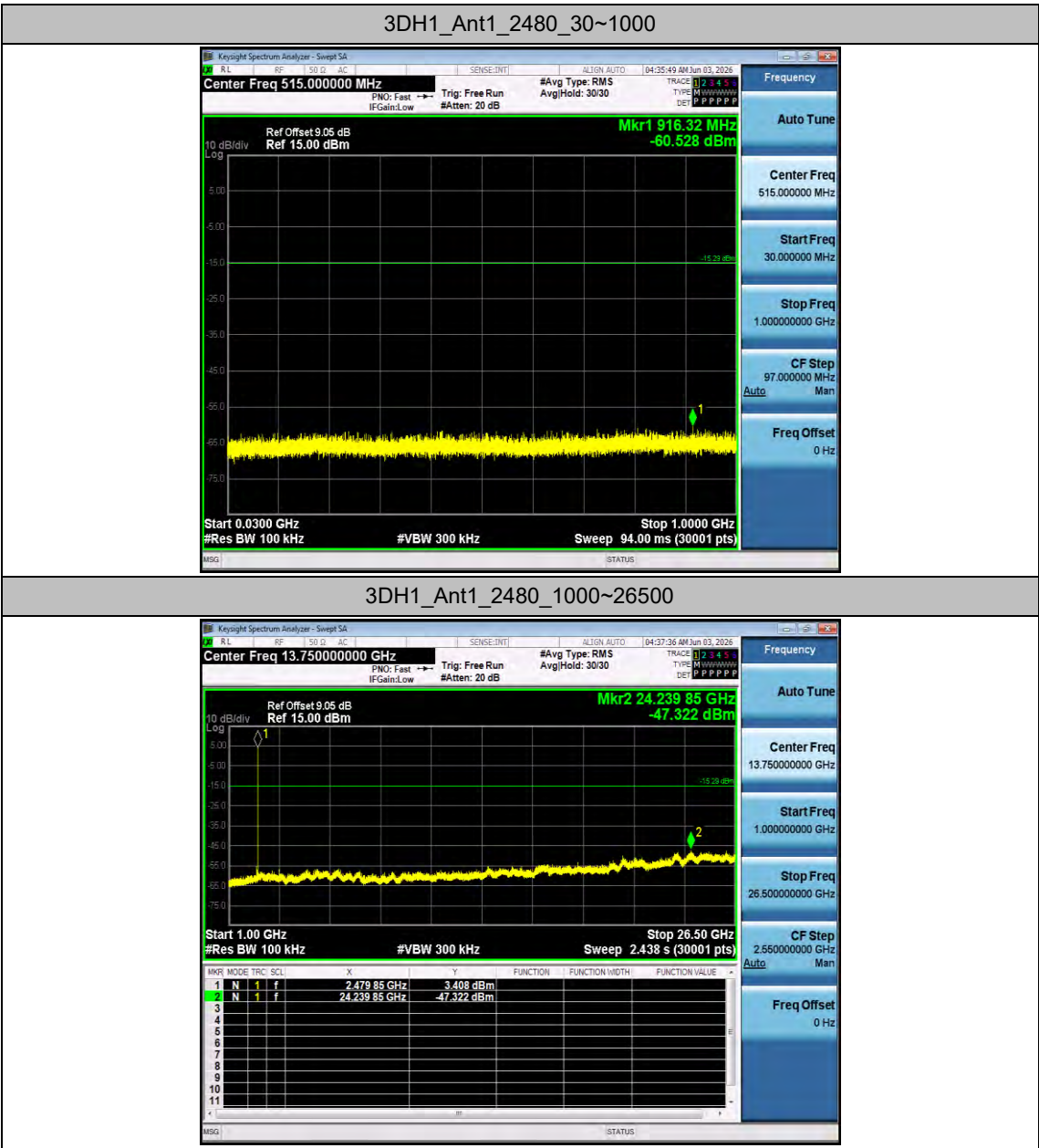


3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference





Appendix A.9:Emissions in Restricted Bands

Test Result

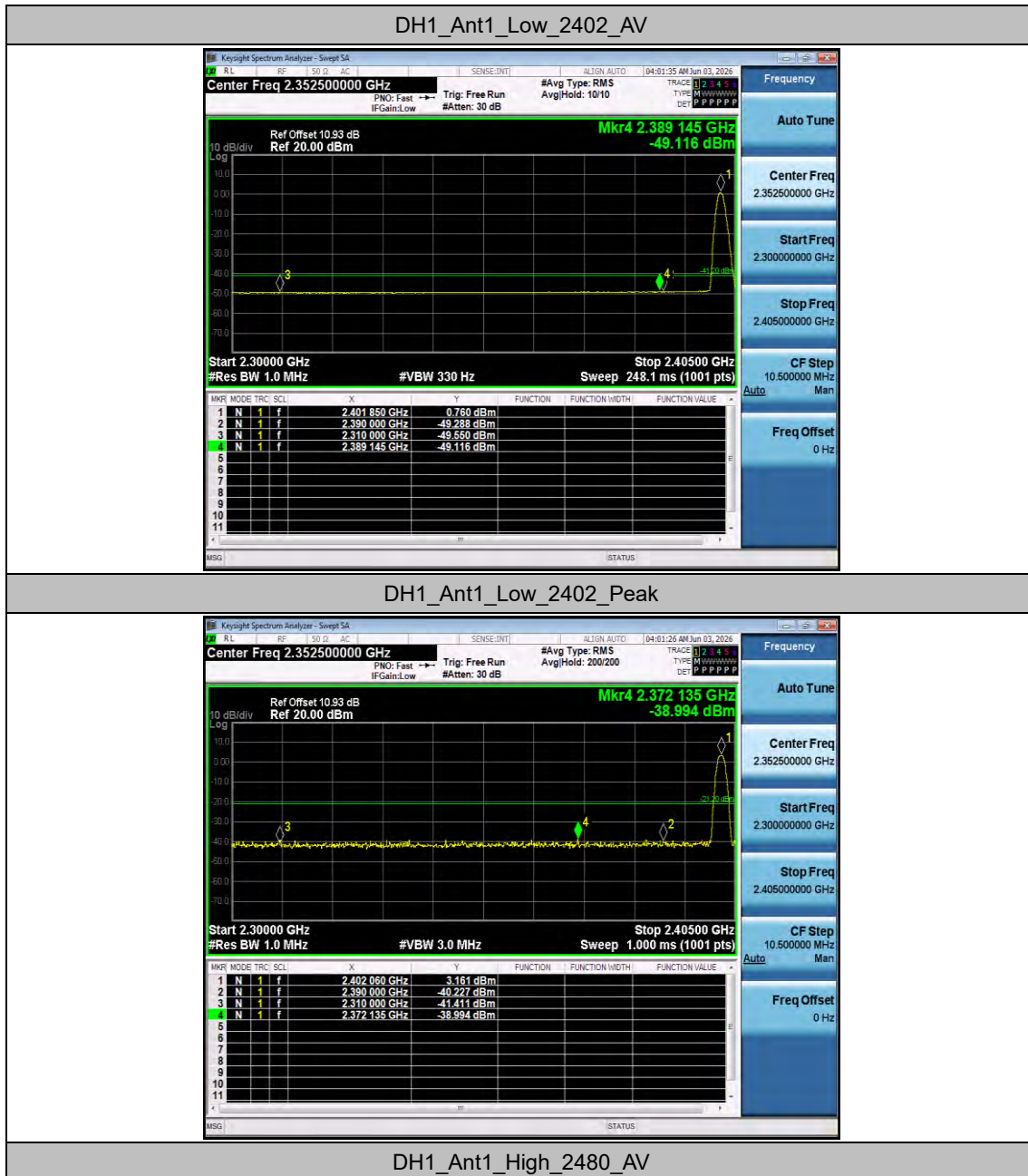
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH1	Ant1	Low	2402	AV	2310.000	-49.55	≤-41.20	45.65	≤54	PASS
				AV	2389.145	-49.12	≤-41.20	46.08	≤54	PASS
				AV	2390.000	-49.29	≤-41.20	45.91	≤54	PASS
				Peak	2310.000	-41.41	≤-21.20	53.79	≤74	PASS
				Peak	2372.135	-38.99	≤-21.20	56.21	≤74	PASS
				Peak	2390.000	-40.23	≤-21.20	54.97	≤74	PASS
		High	2480	AV	2483.500	-48.32	≤-41.20	46.88	≤54	PASS
				AV	2484.160	-48.21	≤-41.20	46.99	≤54	PASS
				AV	2500.000	-48.6	≤-41.20	46.60	≤54	PASS
				Peak	2483.500	-40.01	≤-21.20	55.19	≤74	PASS
				Peak	2493.600	-39.27	≤-21.20	55.93	≤74	PASS
				Peak	2500.000	-40.33	≤-21.20	54.87	≤74	PASS
2DH1	Ant1	Low	2402	AV	2310.000	-49.56	≤-41.20	45.64	≤54	PASS
				AV	2388.305	-49.09	≤-41.20	46.11	≤54	PASS
				AV	2390.000	-49.29	≤-41.20	45.91	≤54	PASS
				Peak	2310.000	-41.34	≤-21.20	53.86	≤74	PASS
				Peak	2359.955	-38.97	≤-21.20	56.23	≤74	PASS
				Peak	2390.000	-40.91	≤-21.20	54.29	≤74	PASS
		High	2480	AV	2483.500	-48.2	≤-41.20	47.00	≤54	PASS
				AV	2483.520	-48.2	≤-41.20	47.00	≤54	PASS
				AV	2500.000	-48.62	≤-41.20	46.58	≤54	PASS
				Peak	2483.500	-41.82	≤-21.20	53.38	≤74	PASS
				Peak	2483.600	-38.58	≤-21.20	56.62	≤74	PASS
				Peak	2500.000	-41.09	≤-21.20	54.11	≤74	PASS
3DH1	Ant1	Low	2402	AV	2310.000	-49.57	≤-41.20	45.63	≤54	PASS
				AV	2388.515	-49.07	≤-41.20	46.13	≤54	PASS
				AV	2390.000	-49.13	≤-41.20	46.07	≤54	PASS
				Peak	2310.000	-41.65	≤-21.20	53.55	≤74	PASS
				Peak	2388.200	-38.42	≤-21.20	56.78	≤74	PASS
				Peak	2390.000	-40.9	≤-21.20	54.30	≤74	PASS
		High	2480	AV	2483.500	-48.3	≤-41.20	46.90	≤54	PASS
				AV	2483.520	-48.3	≤-41.20	46.90	≤54	PASS
				AV	2500.000	-48.69	≤-41.20	46.51	≤54	PASS
				Peak	2483.500	-41.04	≤-21.20	54.16	≤74	PASS
				Peak	2498.320	-37.85	≤-21.20	57.35	≤74	PASS

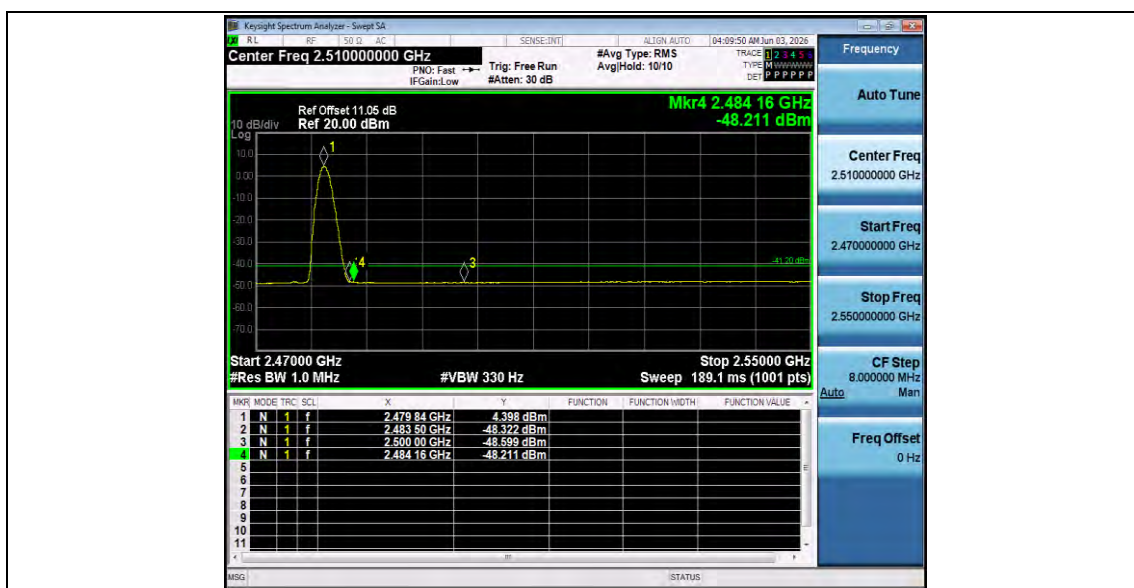
				Peak	2500.000	-41.73	≤-21.20	53.47	≤74	PASS
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Note:

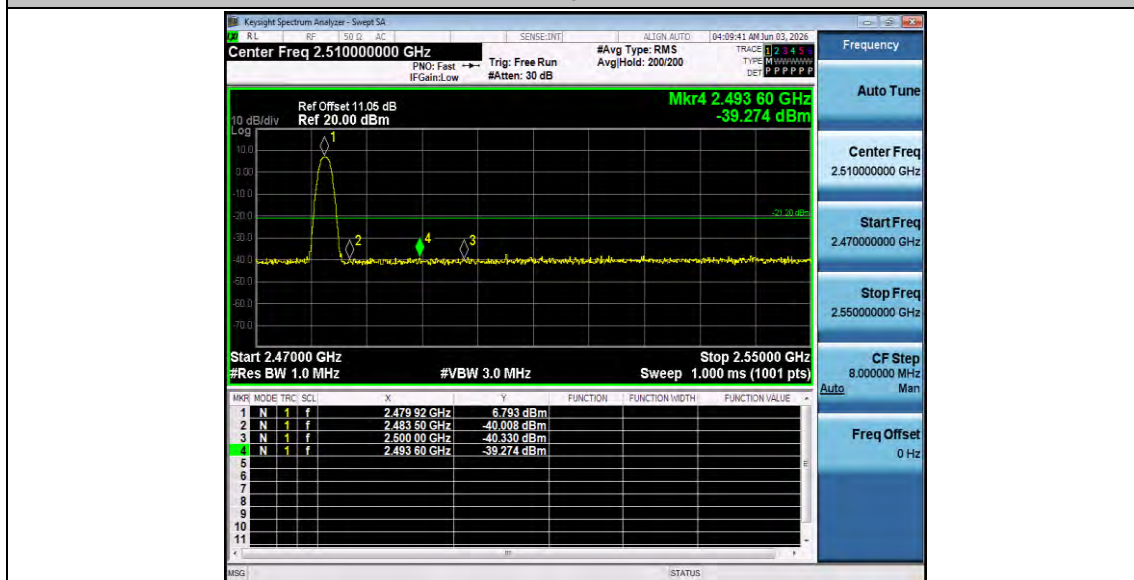
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

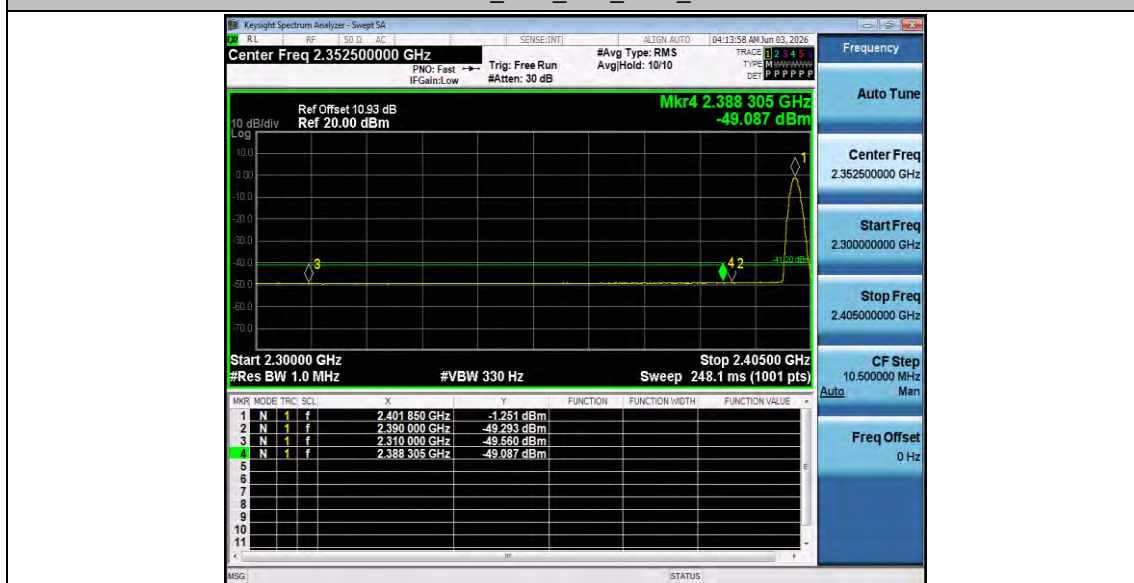




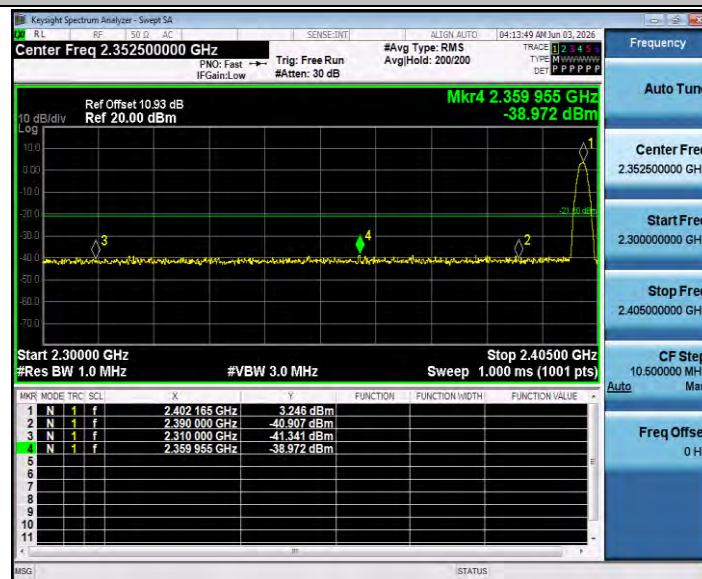
DH1_Ant1_High_2480_Peak



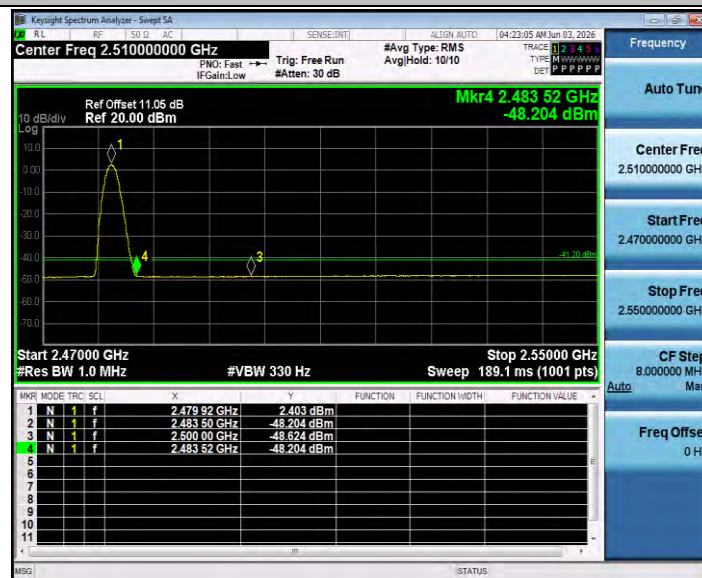
2DH1_Ant1_Low_2402_AV



2DH1_Ant1_Low_2402_Peak



2DH1_Ant1_High_2480_AV



2DH1_Ant1_High_2480_Peak

