

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet

Test Model: PAD_ T13

Environmental Conditions

Temperature:	24.2°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

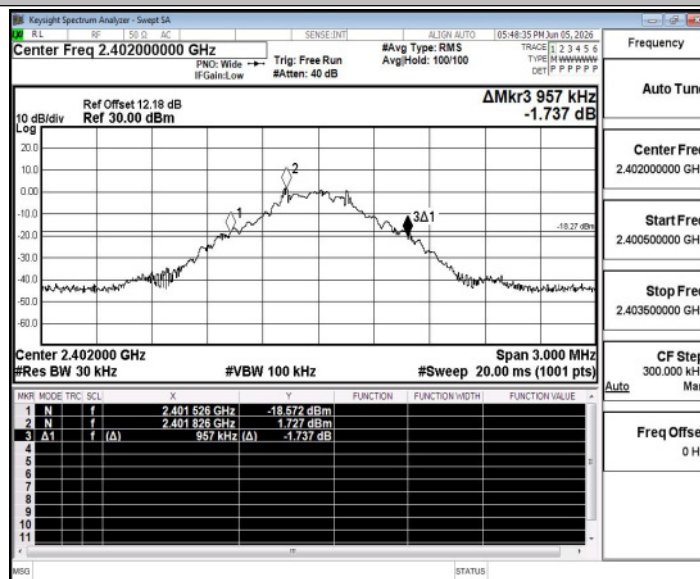
A.1 20dB Emission Bandwidth

Test Result

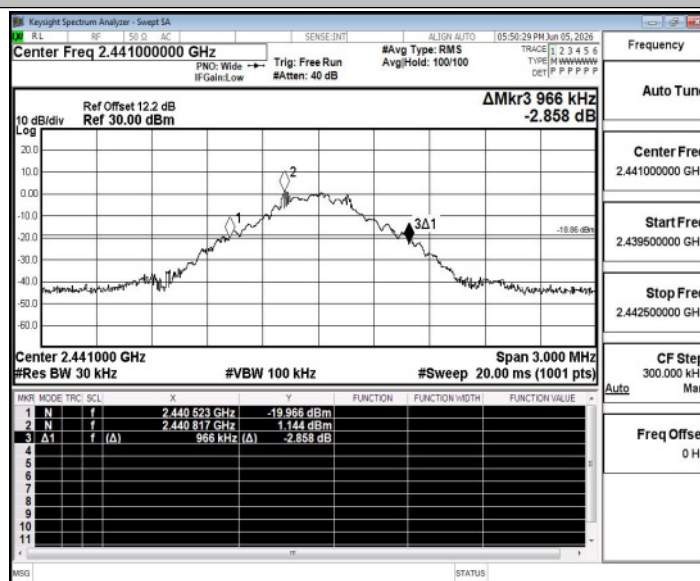
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.526	2402.483	---	---
		2441	0.966	2440.523	2441.489	---	---
		2480	0.951	2479.529	2480.480	---	---
2DH5	Ant1	2402	1.287	2401.355	2402.642	---	---
		2441	1.290	2440.352	2441.642	---	---
		2480	1.287	2479.352	2480.639	---	---
3DH5	Ant1	2402	1.284	2401.343	2402.627	---	---
		2441	1.290	2440.346	2441.636	---	---
		2480	1.290	2479.340	2480.630	---	---

Test Graphs

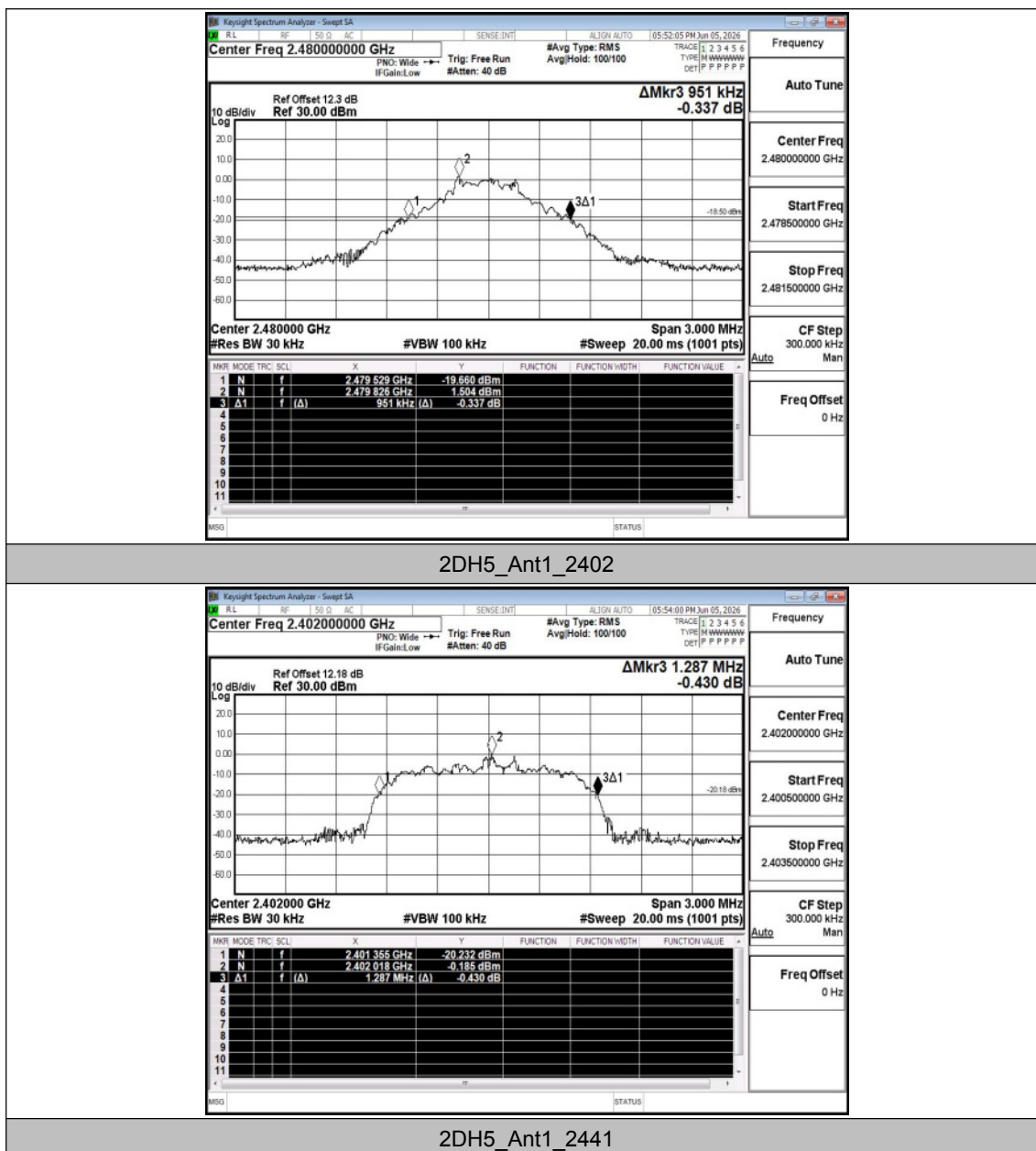
DH5_Ant1_2402

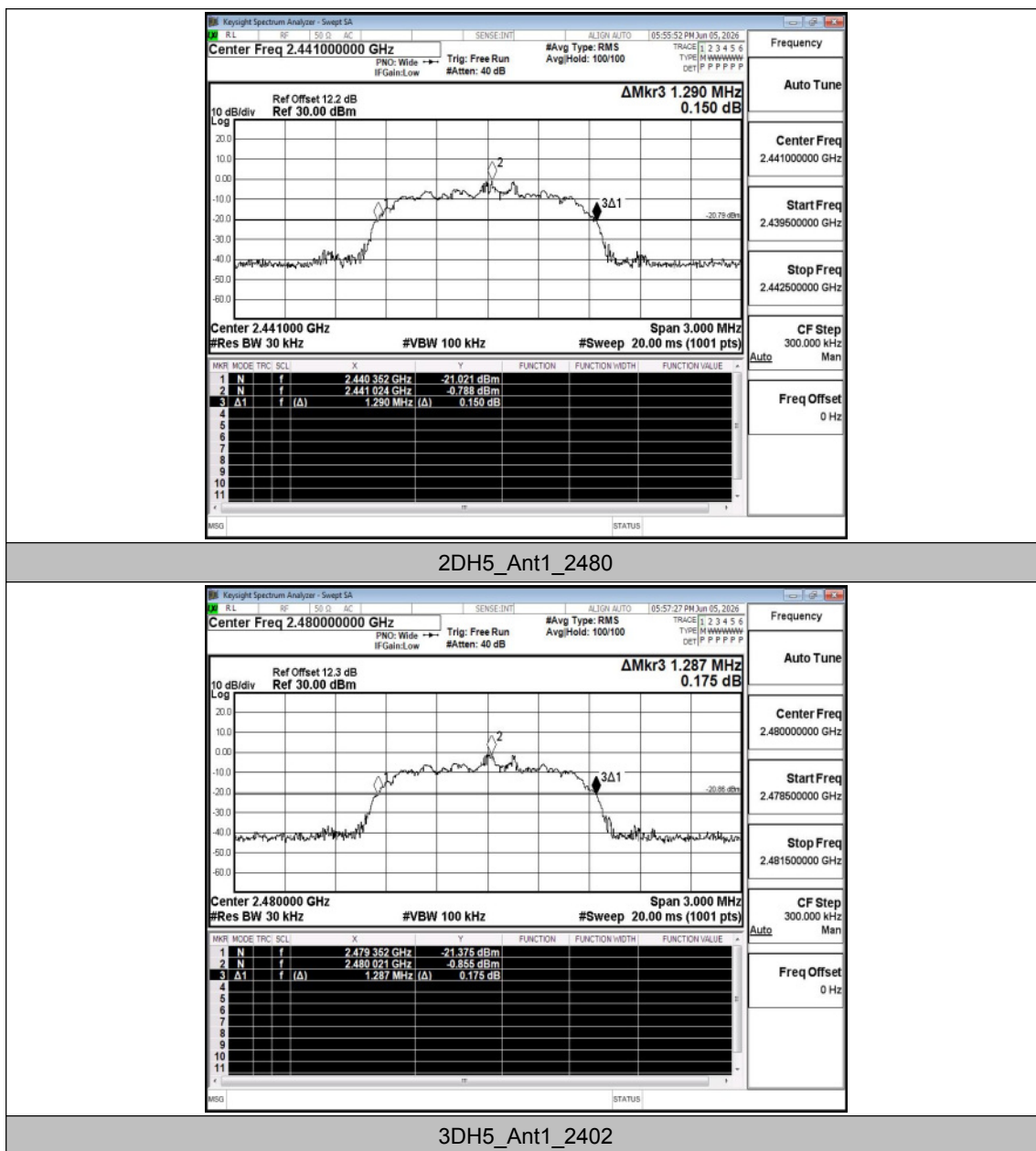


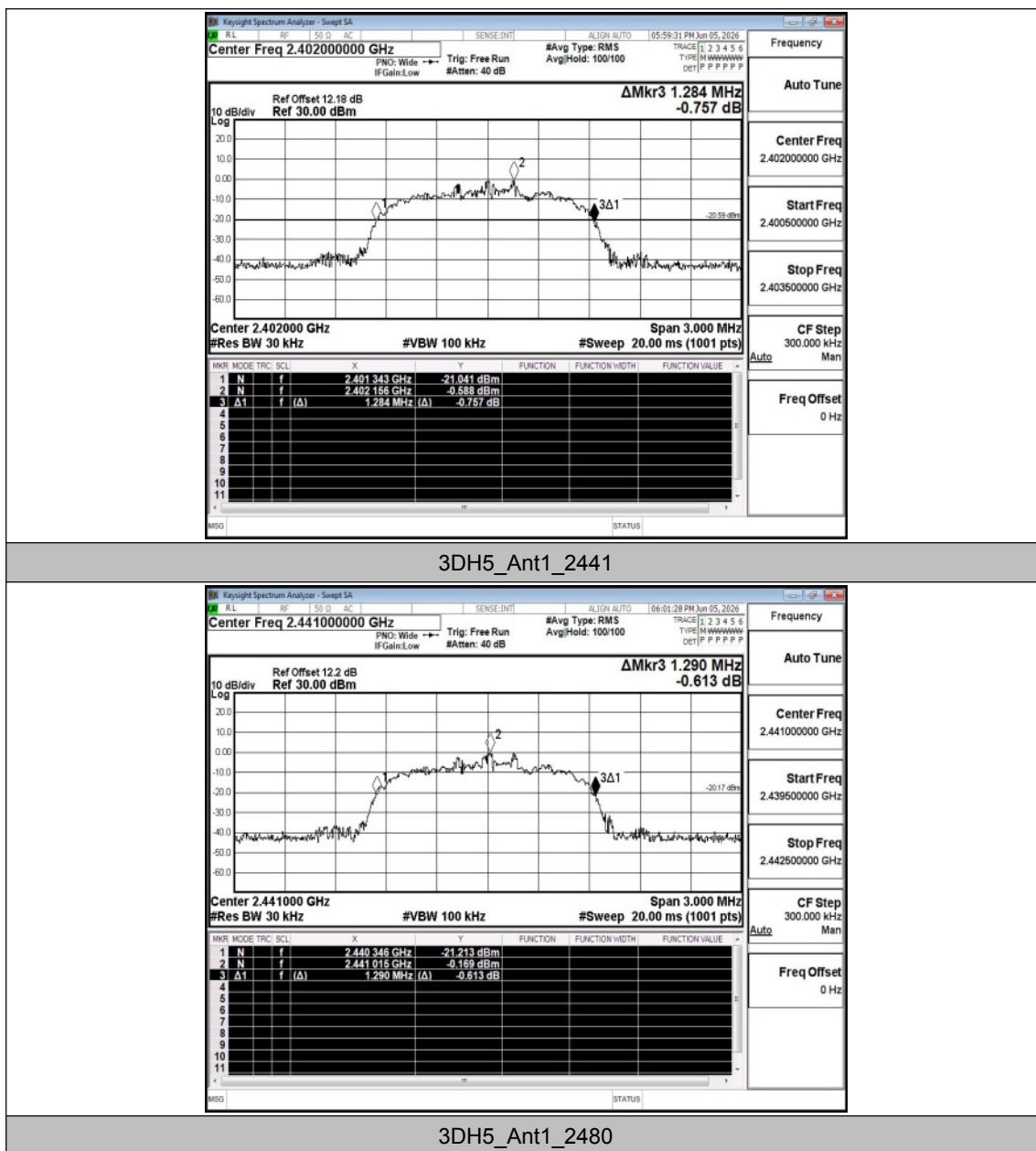
DH5_Ant1_2441

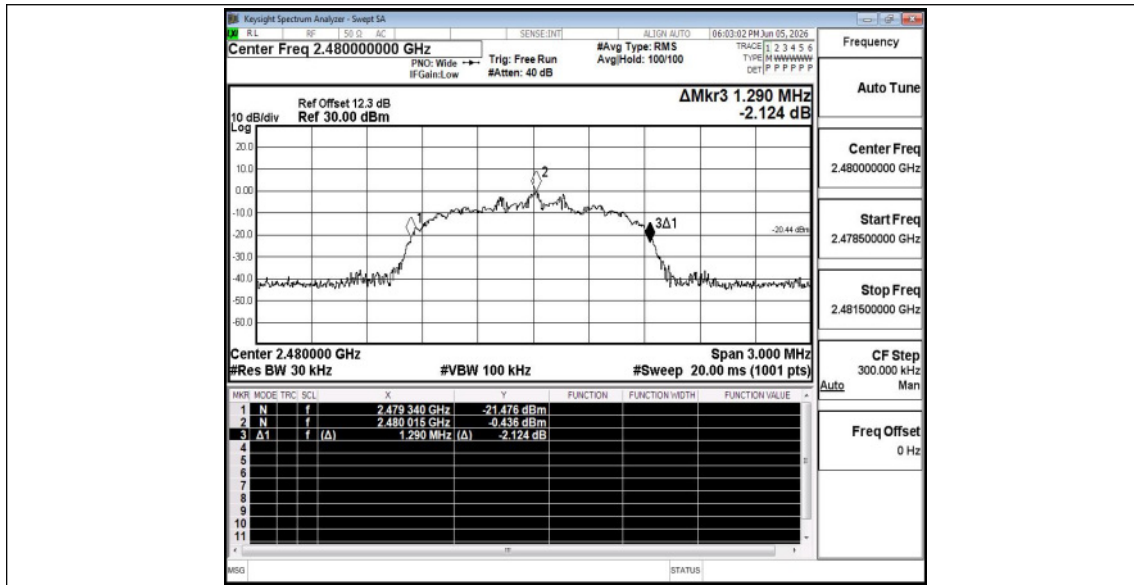


DH5_Ant1_2480







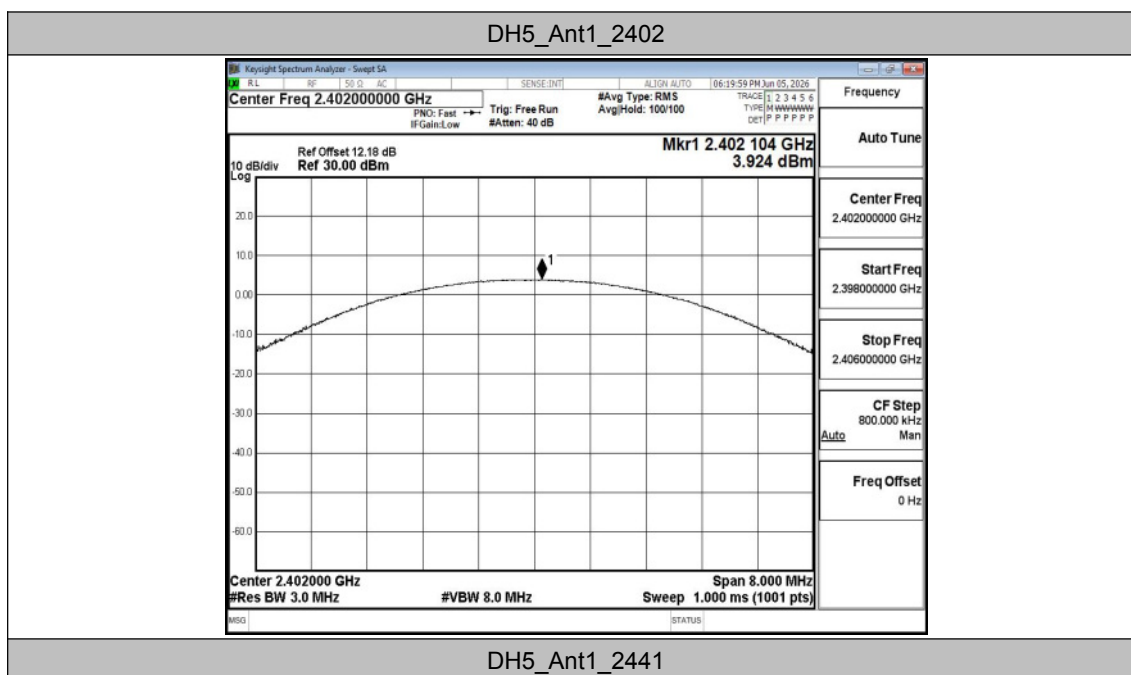


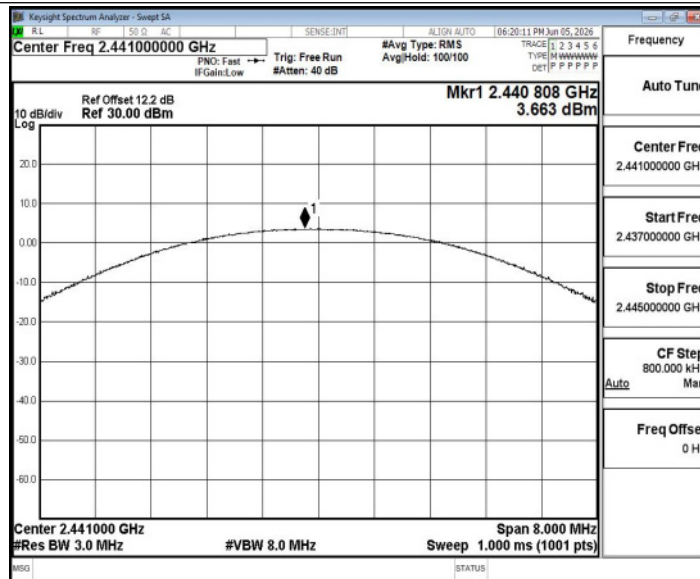
A.2 Maximum conducted output power

Test Result Peak

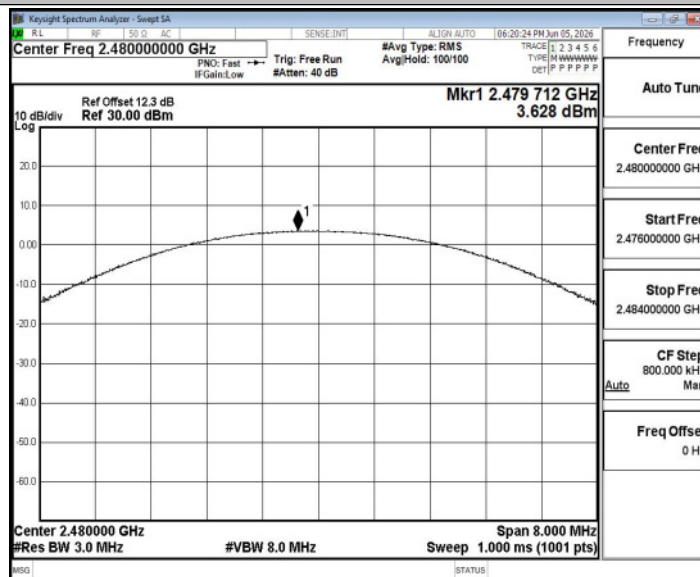
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.92	≤30	PASS
		2441	3.66	≤30	PASS
		2480	3.63	≤30	PASS
2DH5	Ant1	2402	1.57	≤30	PASS
		2441	1.31	≤30	PASS
		2480	0.84	≤30	PASS
3DH5	Ant1	2402	1.56	≤30	PASS
		2441	1.39	≤30	PASS
		2480	0.97	≤30	PASS

Test Graphs

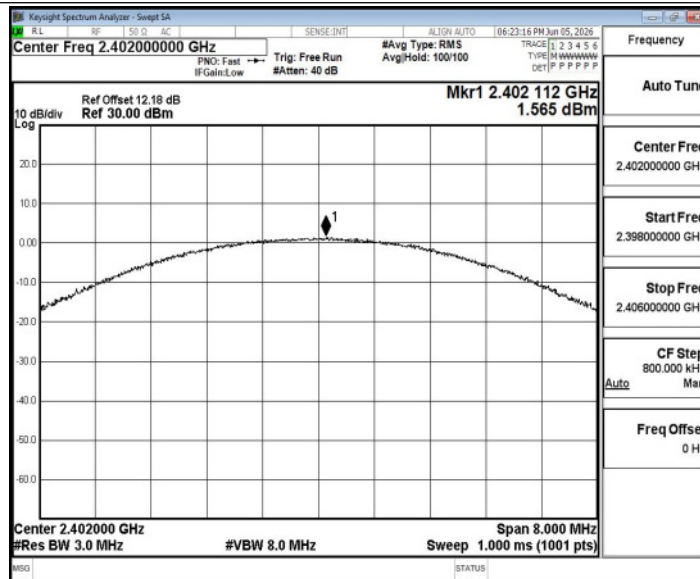




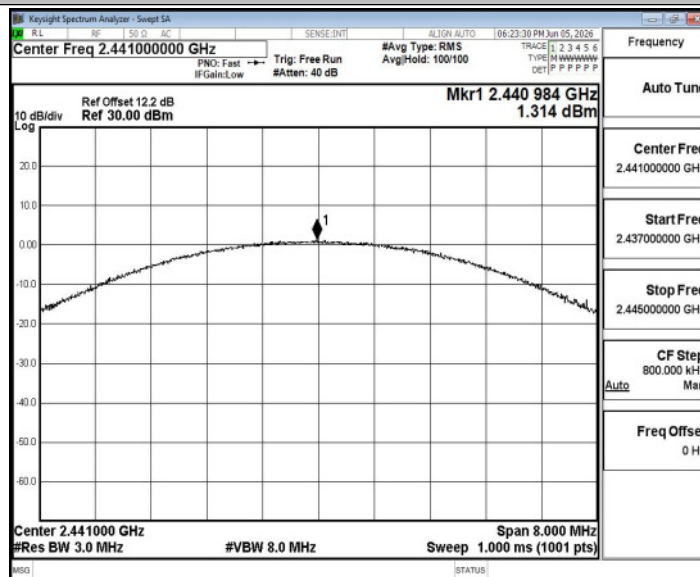
DH5_Ant1_2480



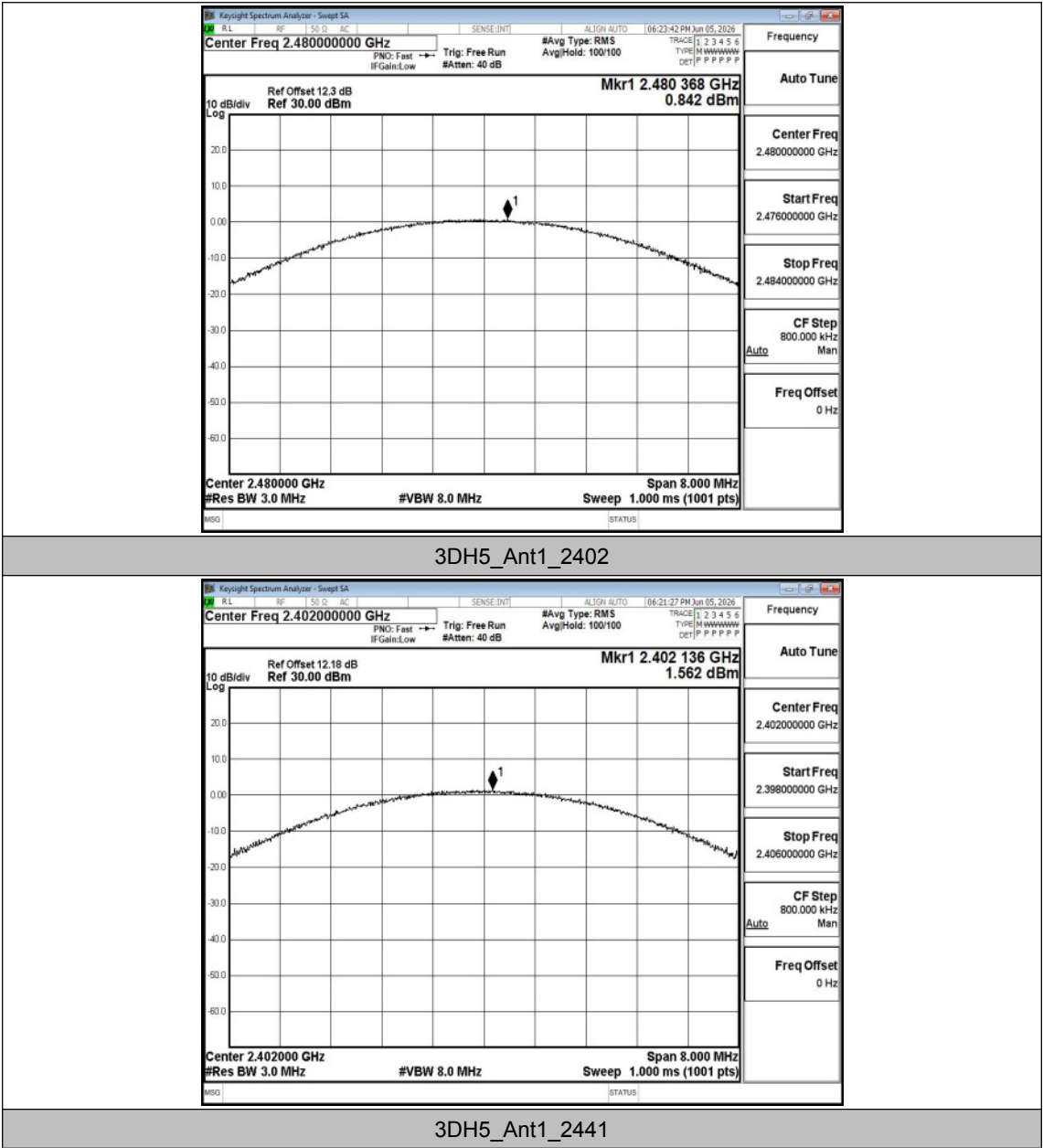
2DH5_Ant1_2402

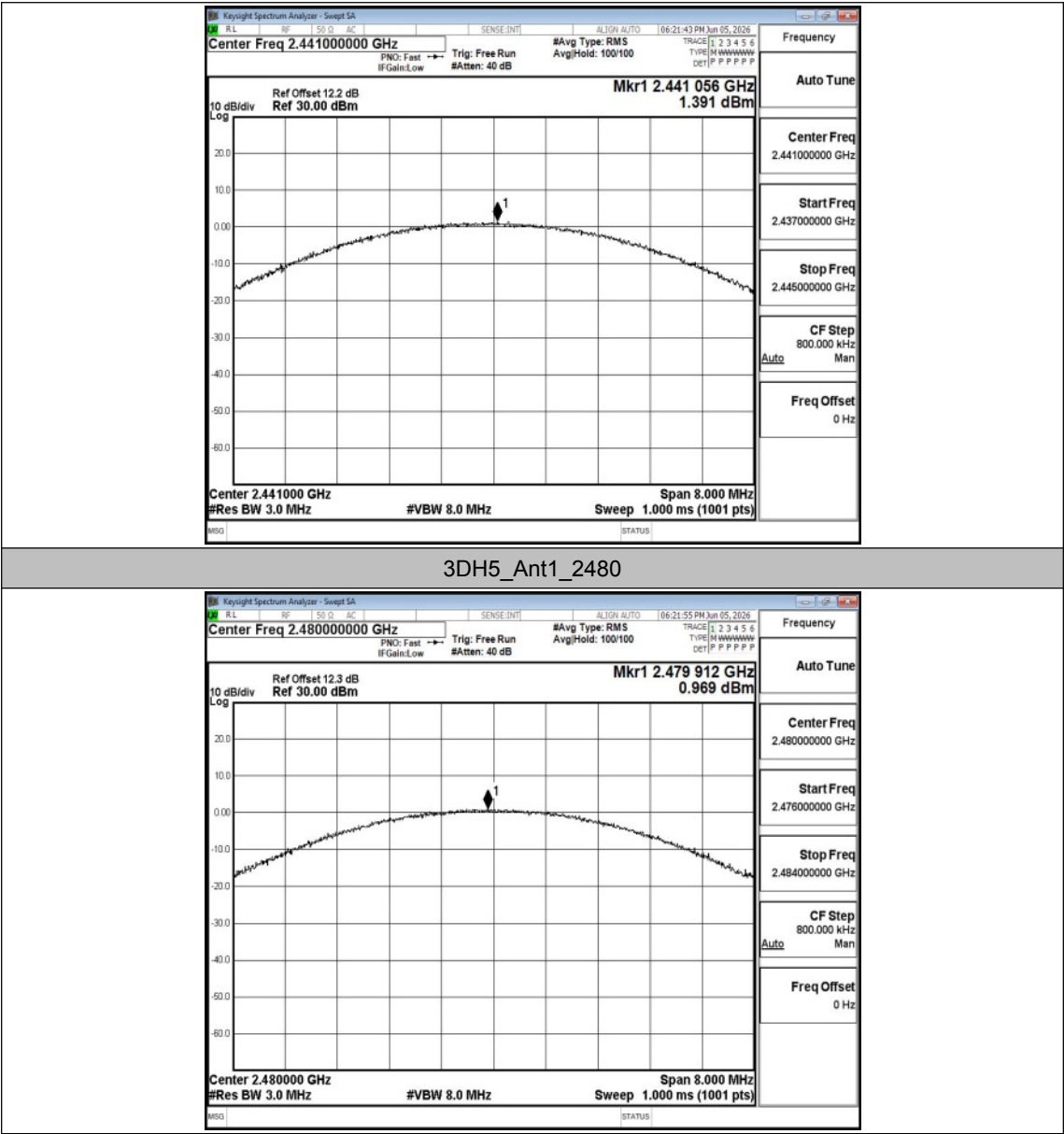


2DH5_Ant1_2441



2DH5_Ant1_2480





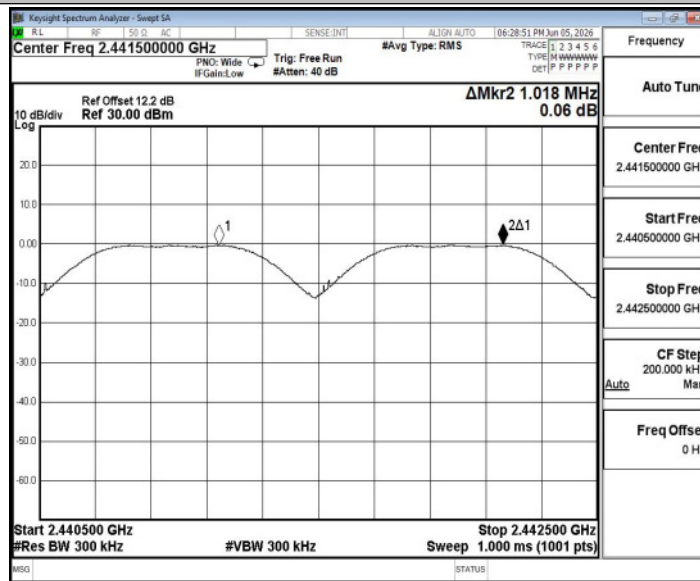
A.3 Carrier frequency separation

Test Result

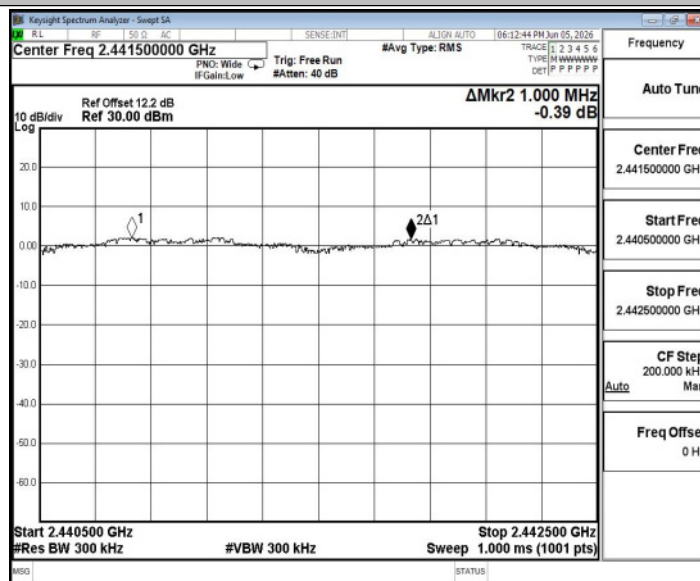
TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.018	≥ 0.966	PASS
2DH5	Ant1	Hop	1	≥ 0.860	PASS
3DH5	Ant1	Hop	1.01	≥ 0.860	PASS

Test Graphs

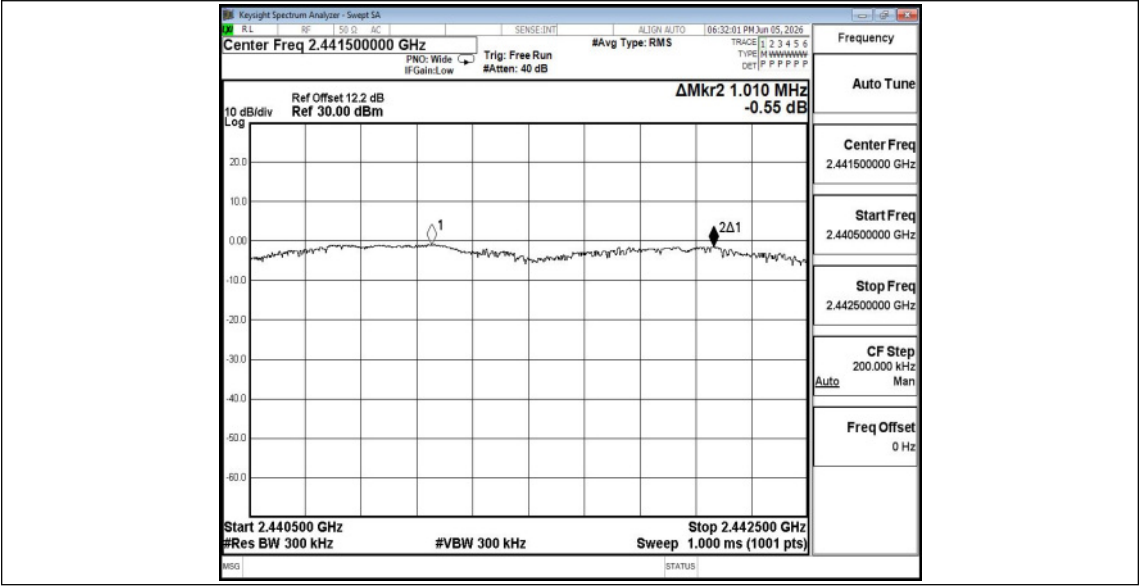
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

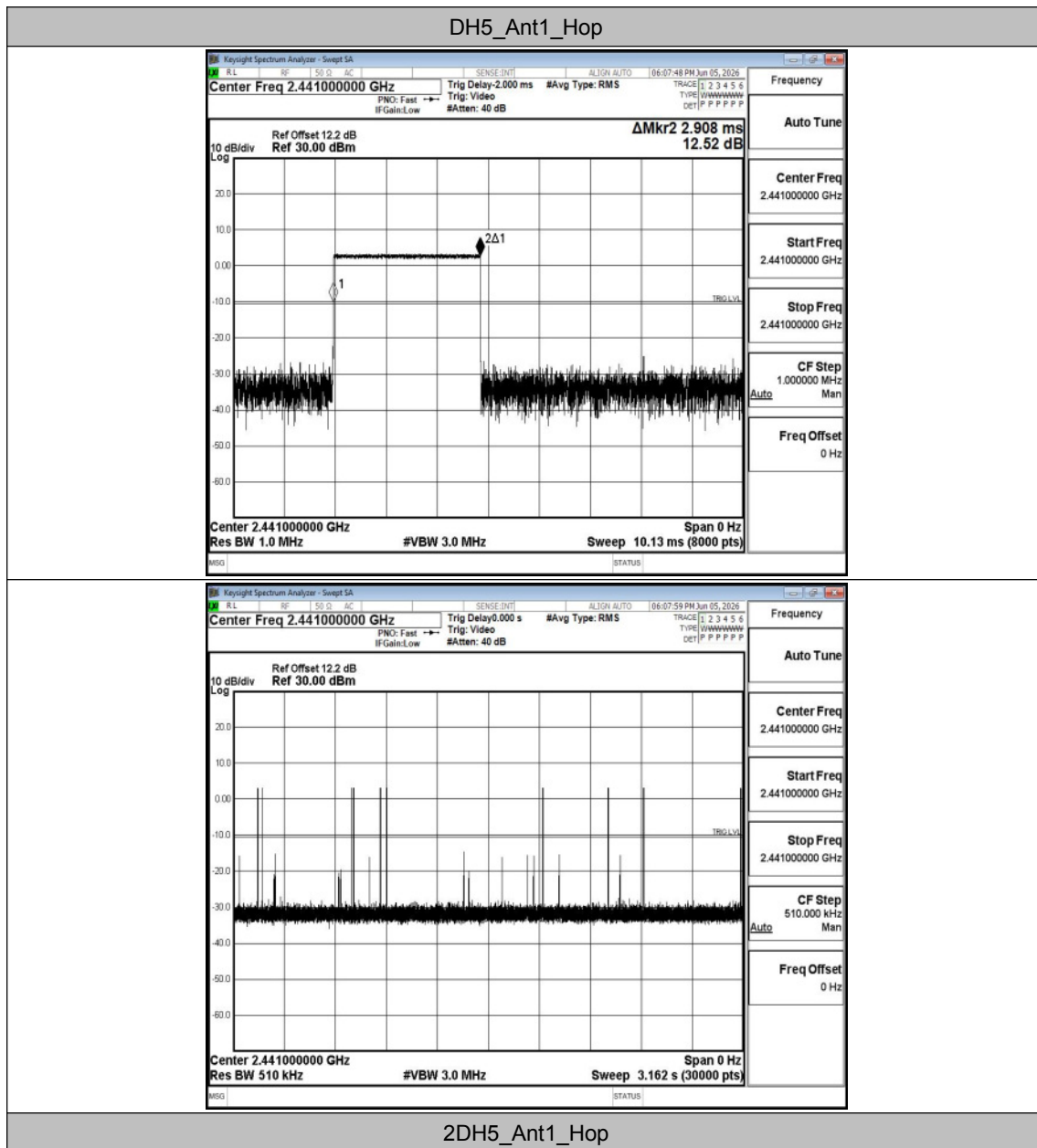


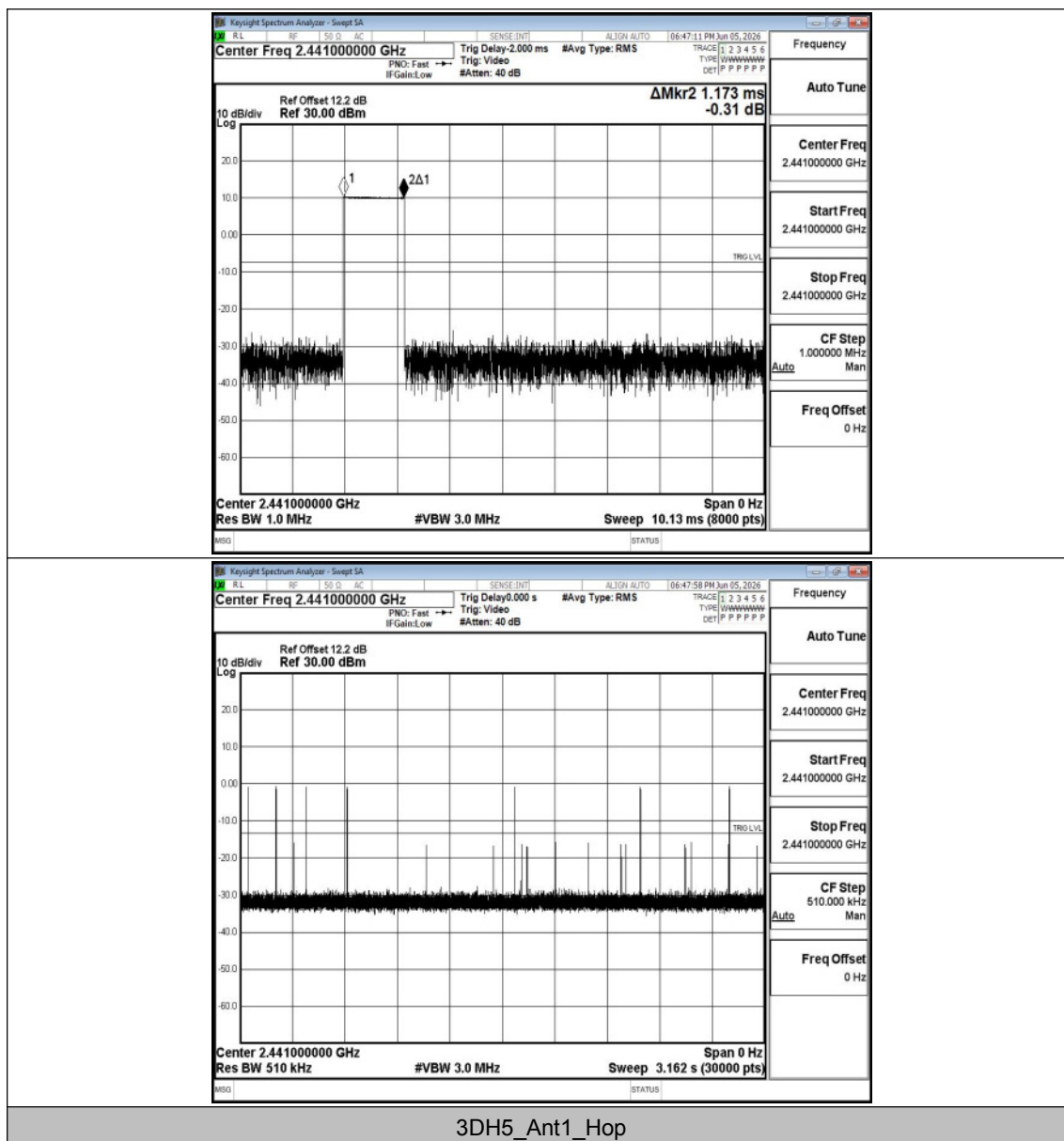
A.4 Time of occupancy

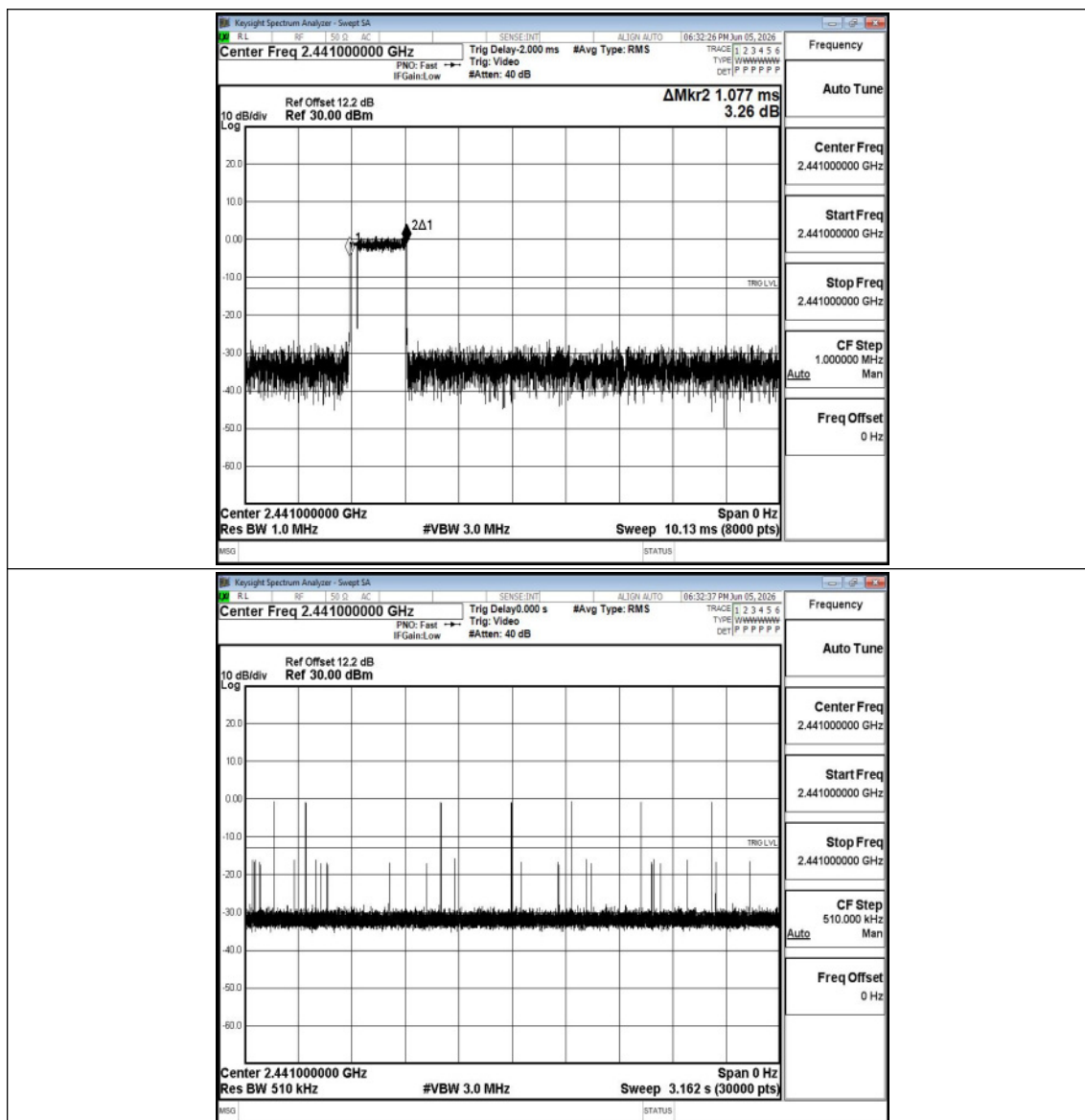
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	110	0.32	≤0.4	PASS
2DH5	Ant1	Hop	1.173	80	0.094	≤0.4	PASS
3DH5	Ant1	Hop	1.077	80	0.086	≤0.4	PASS

Test Graphs





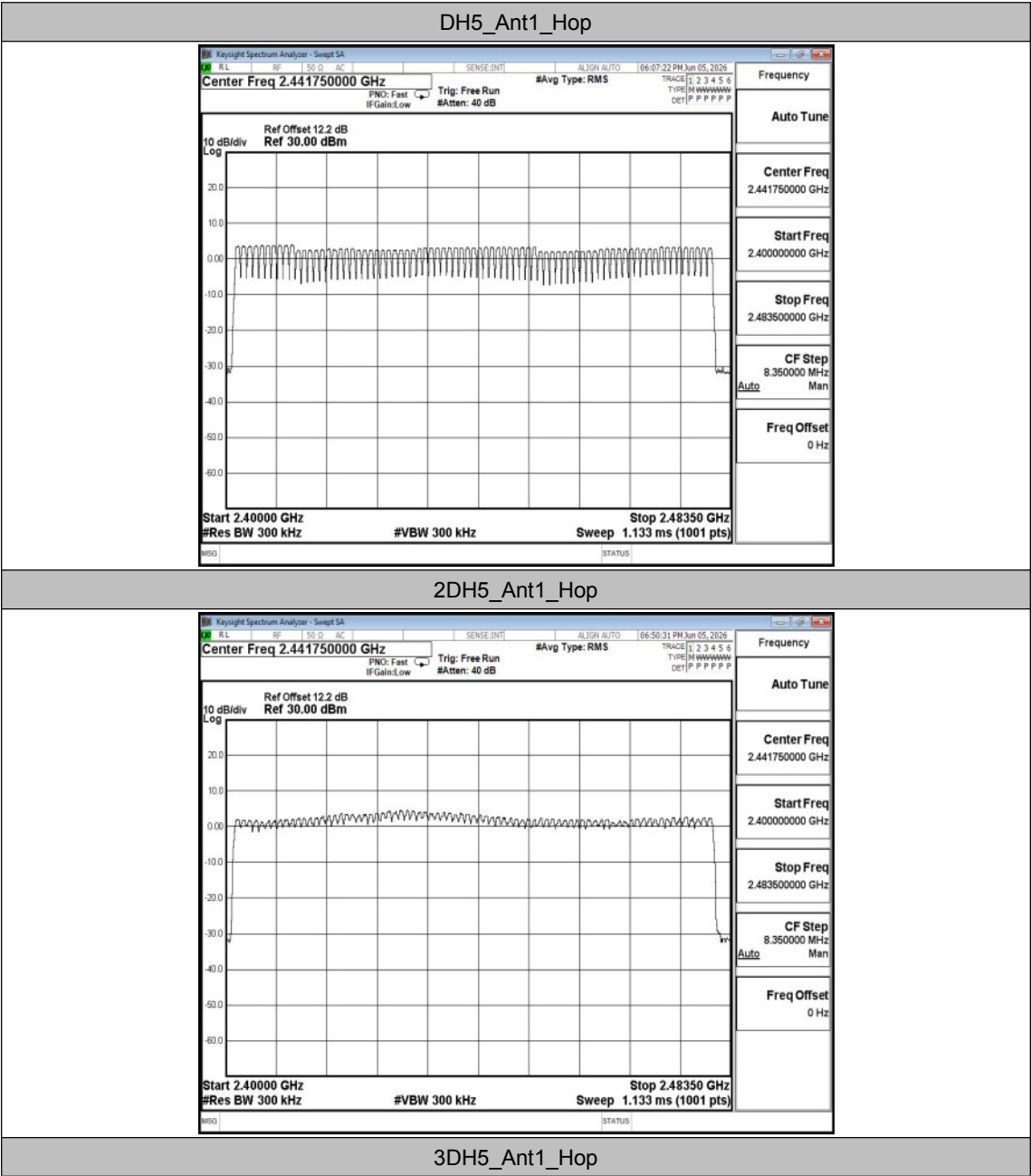


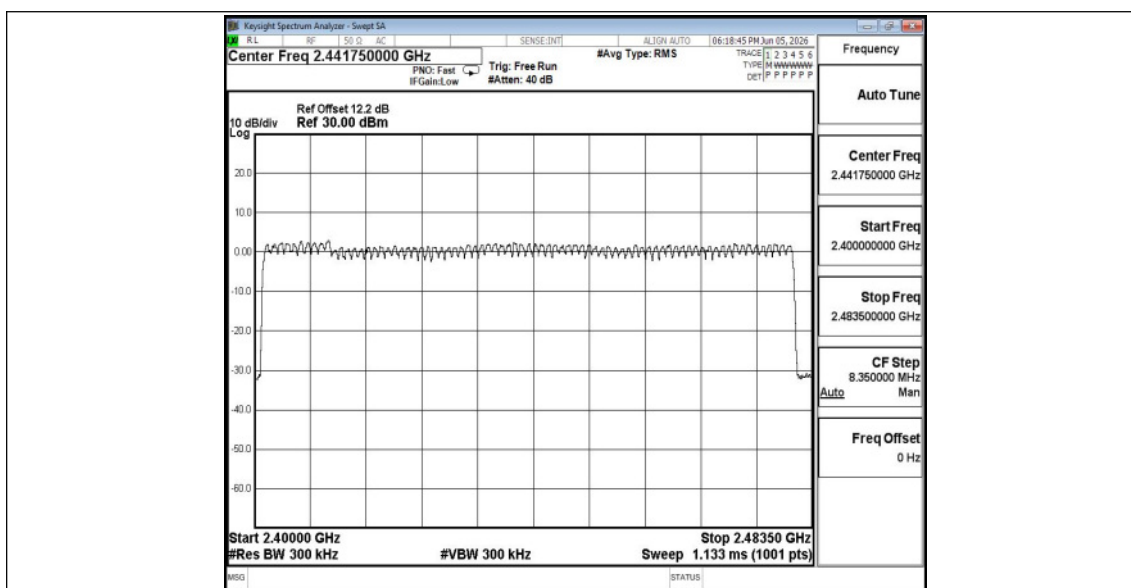
A.5 Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs





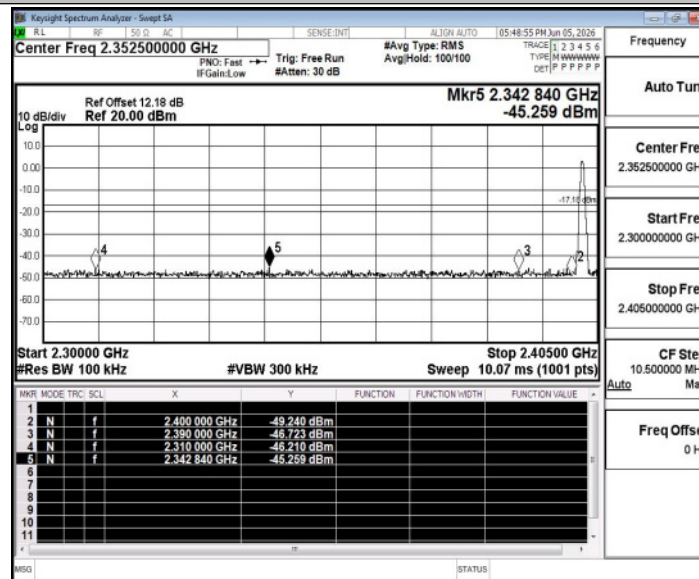
A.6 Band edge measurements

Test Result

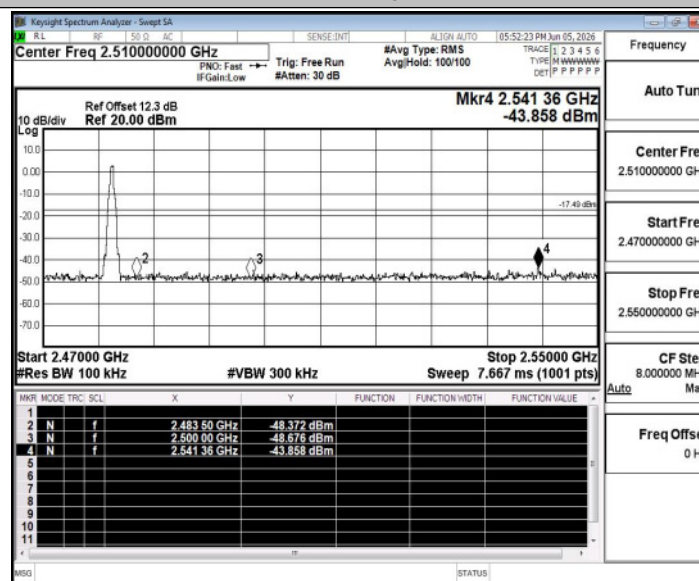
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.82	-45.26	≤ -17.18	PASS
		High	2480	2.51	-43.86	≤ -17.49	PASS
		Low	Hop_2402	1.12	-44.96	≤ -18.88	PASS
		High	Hop_2480	2.15	-44.63	≤ -17.86	PASS
2DH5	Ant1	Low	2402	1.23	-45.81	≤ -18.77	PASS
		High	2480	0.70	-45.3	≤ -19.3	PASS
		Low	Hop_2402	-3.22	-44.27	≤ -23.22	PASS
		High	Hop_2480	0.30	-44.43	≤ -19.7	PASS
3DH5	Ant1	Low	2402	1.91	-45.47	≤ -18.09	PASS
		High	2480	1.56	-44.56	≤ -18.44	PASS
		Low	Hop_2402	-1.30	-45.71	≤ -21.3	PASS
		High	Hop_2480	-1.34	-43.65	≤ -21.34	PASS

Test Graphs

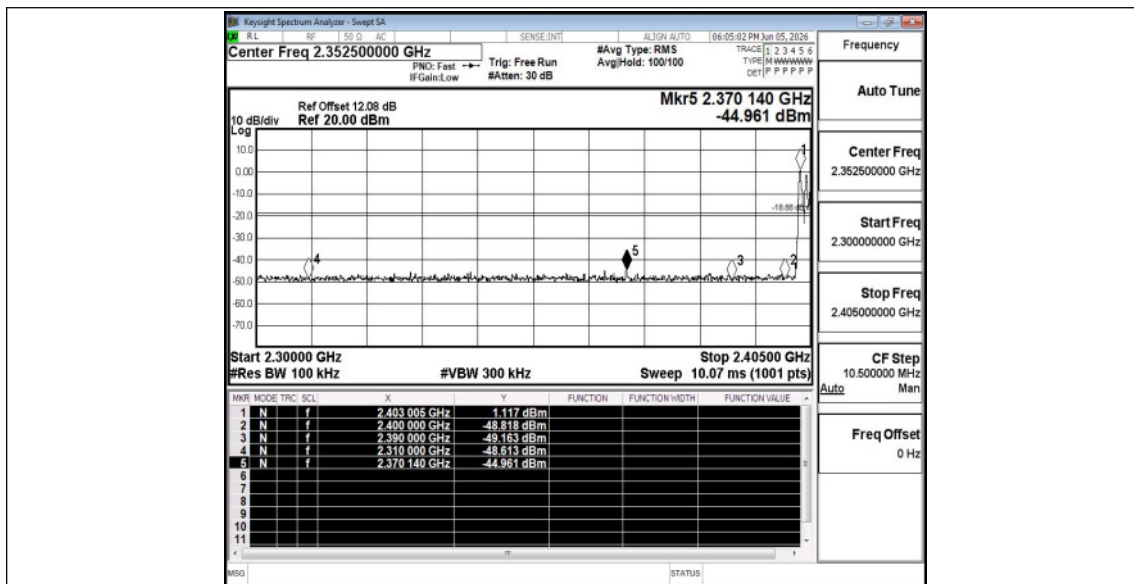
DH5_Ant1_Low_2402



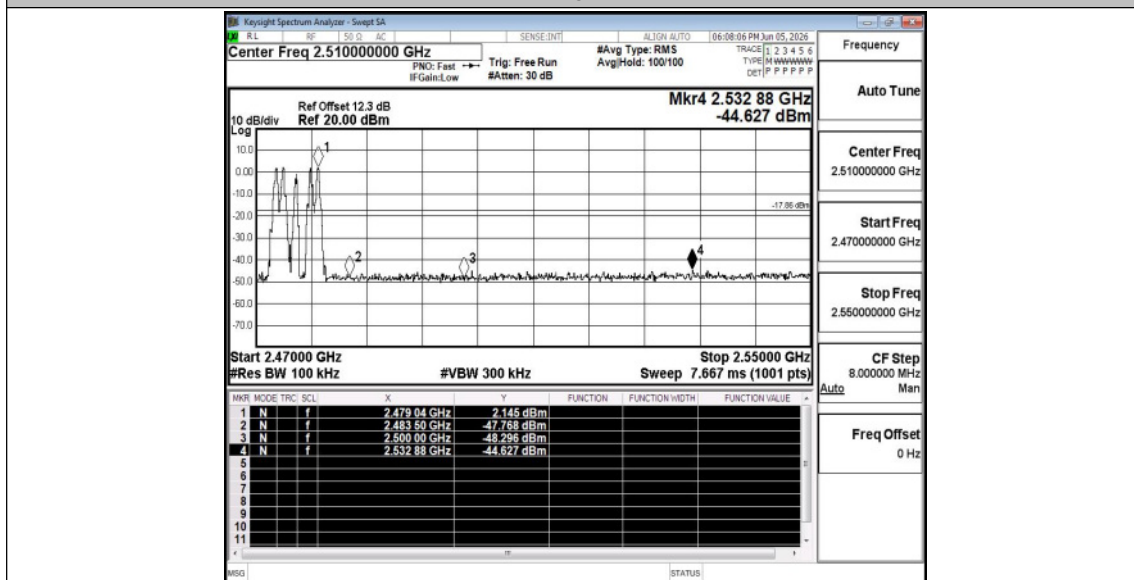
DH5_Ant1_High_2480



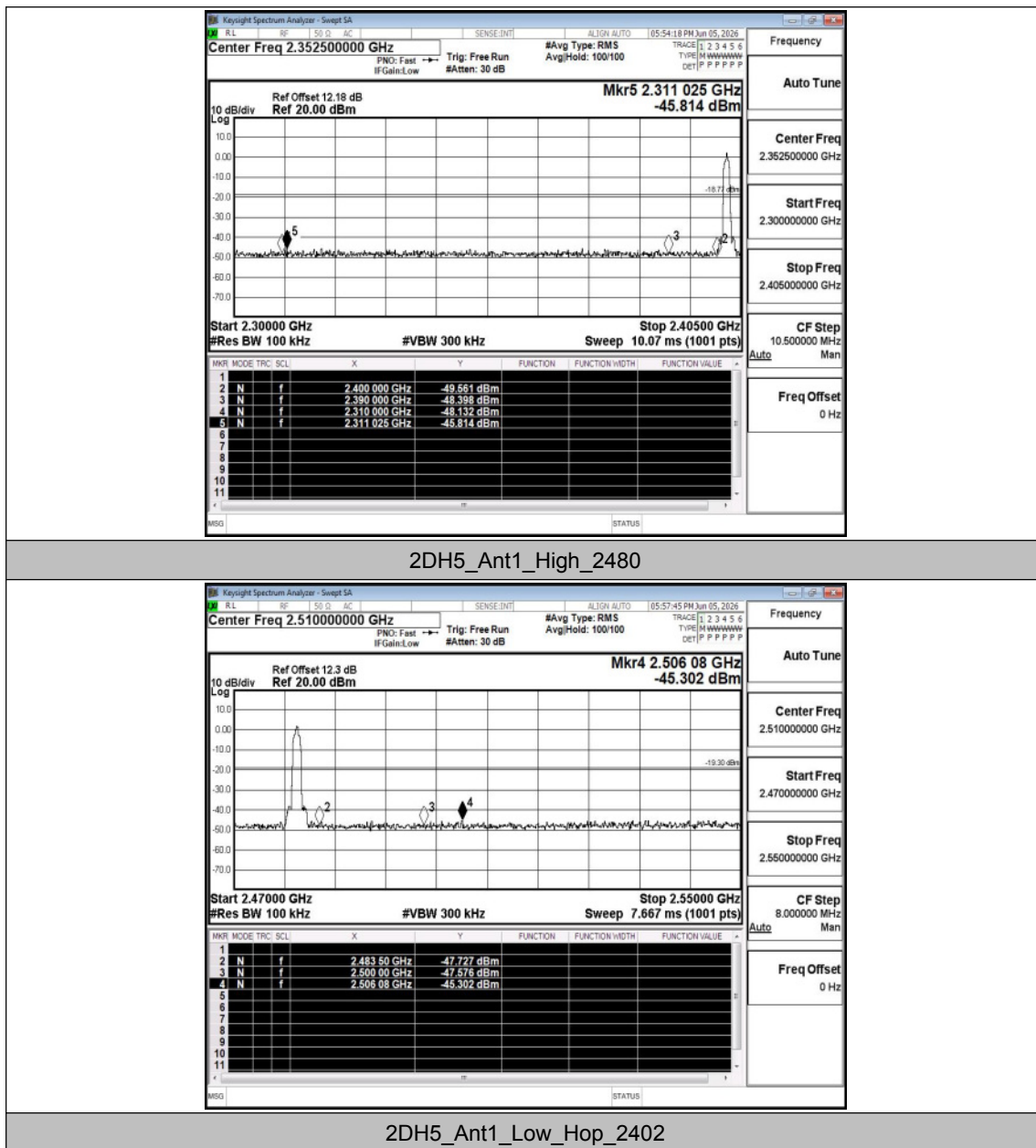
DH5_Ant1_Low_Hop_2402

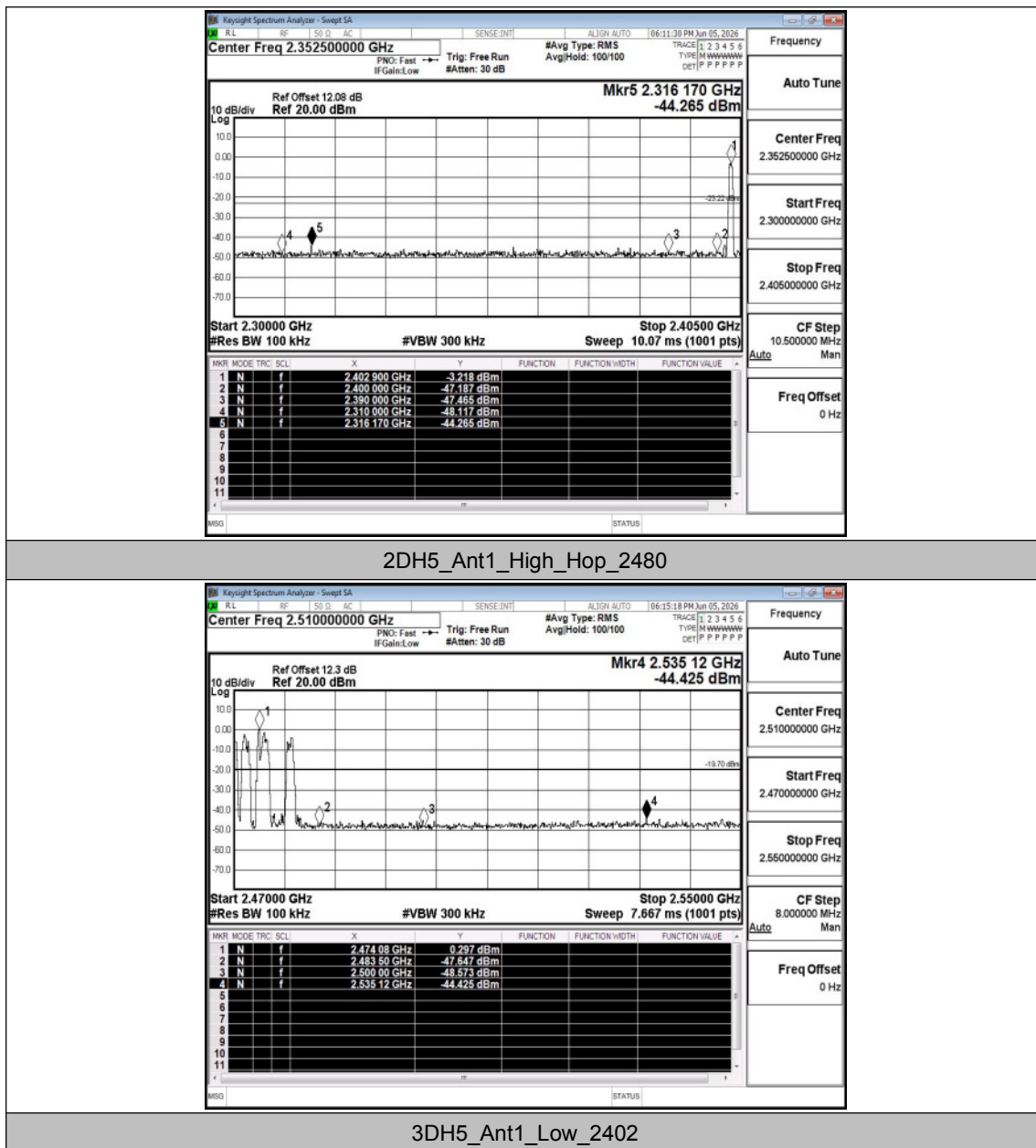


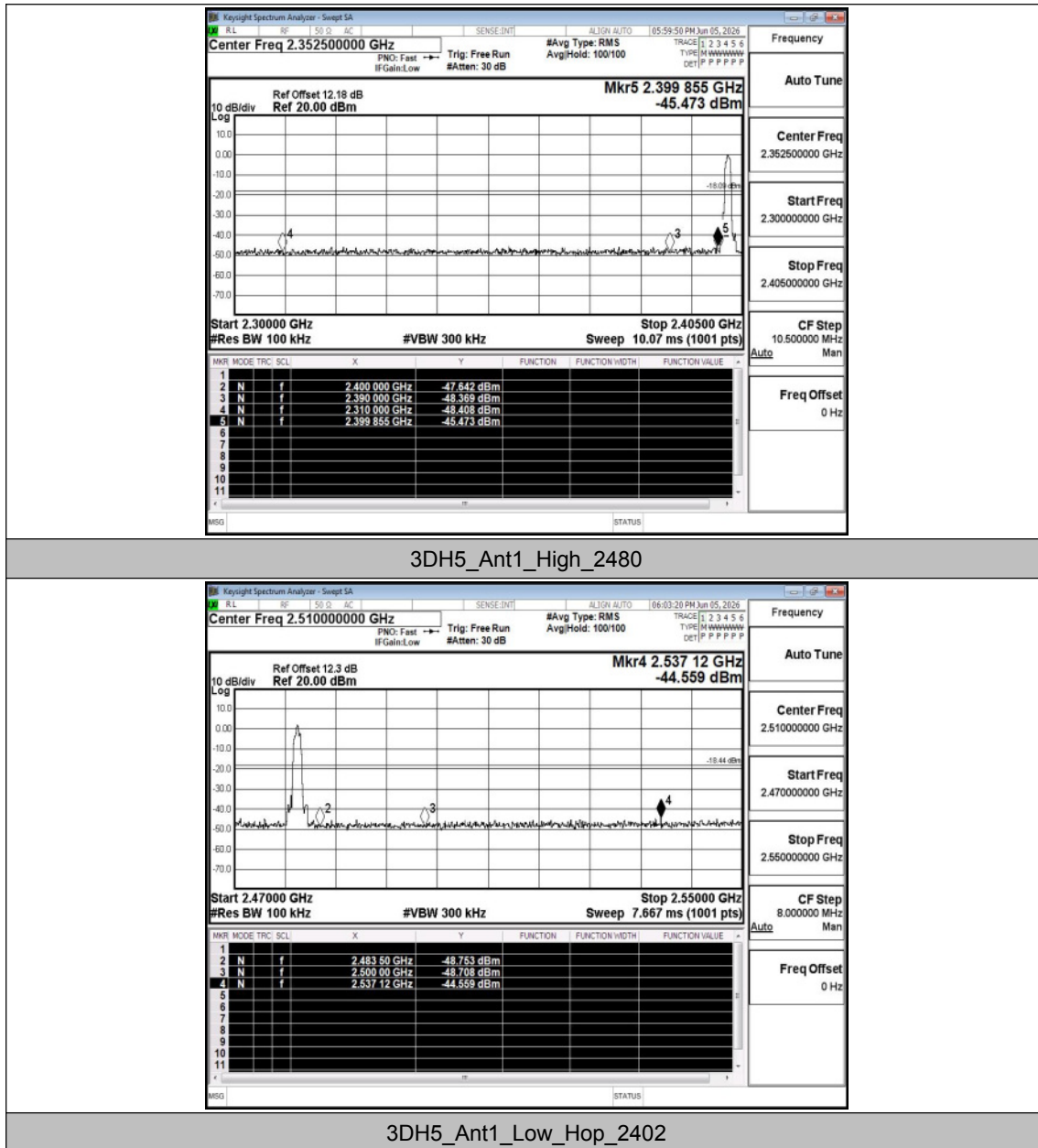
DH5_Ant1_High_Hop_2480

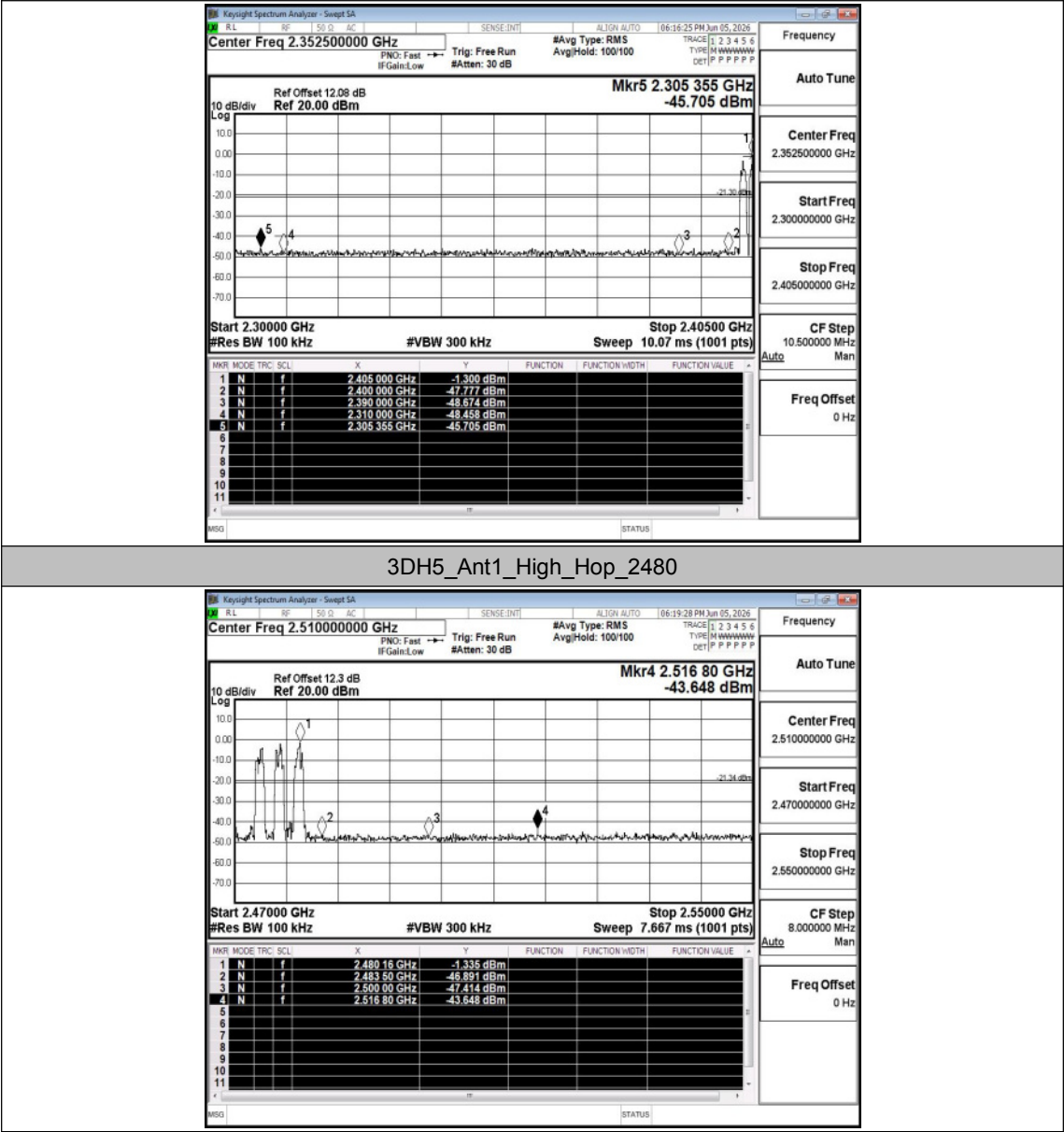


2DH5_Ant1_Low_2402







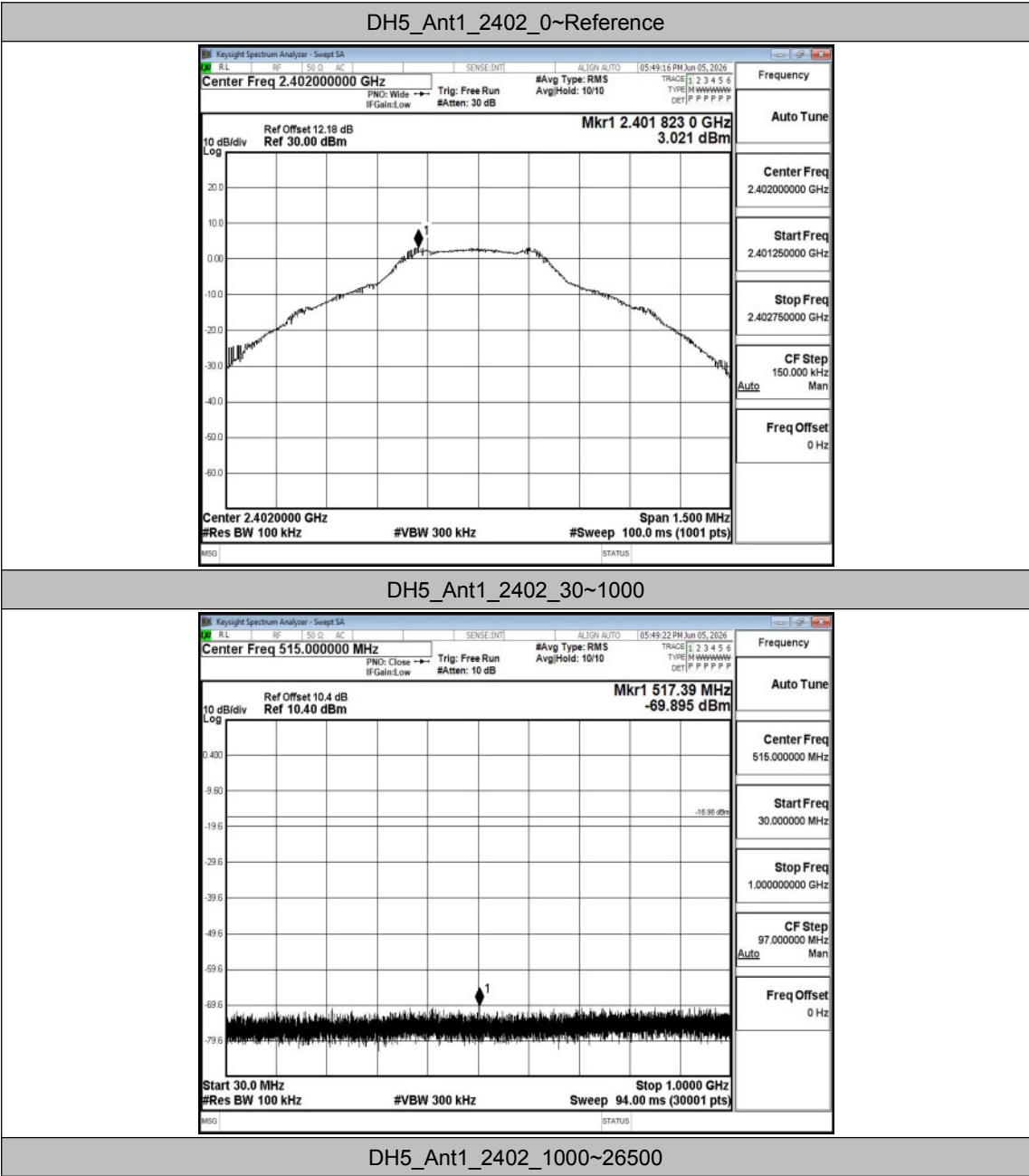


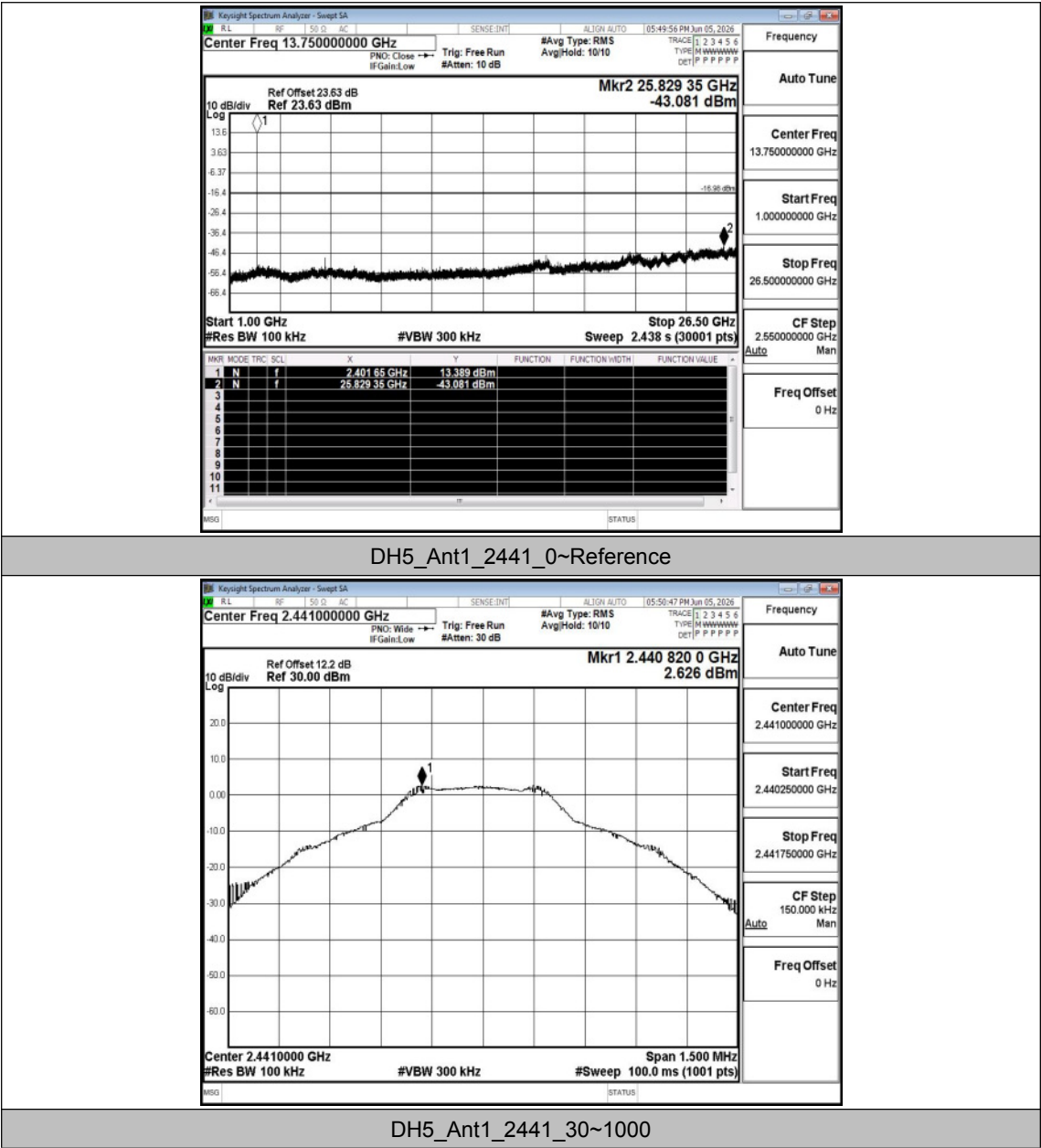
A.7 Conducted Spurious Emission

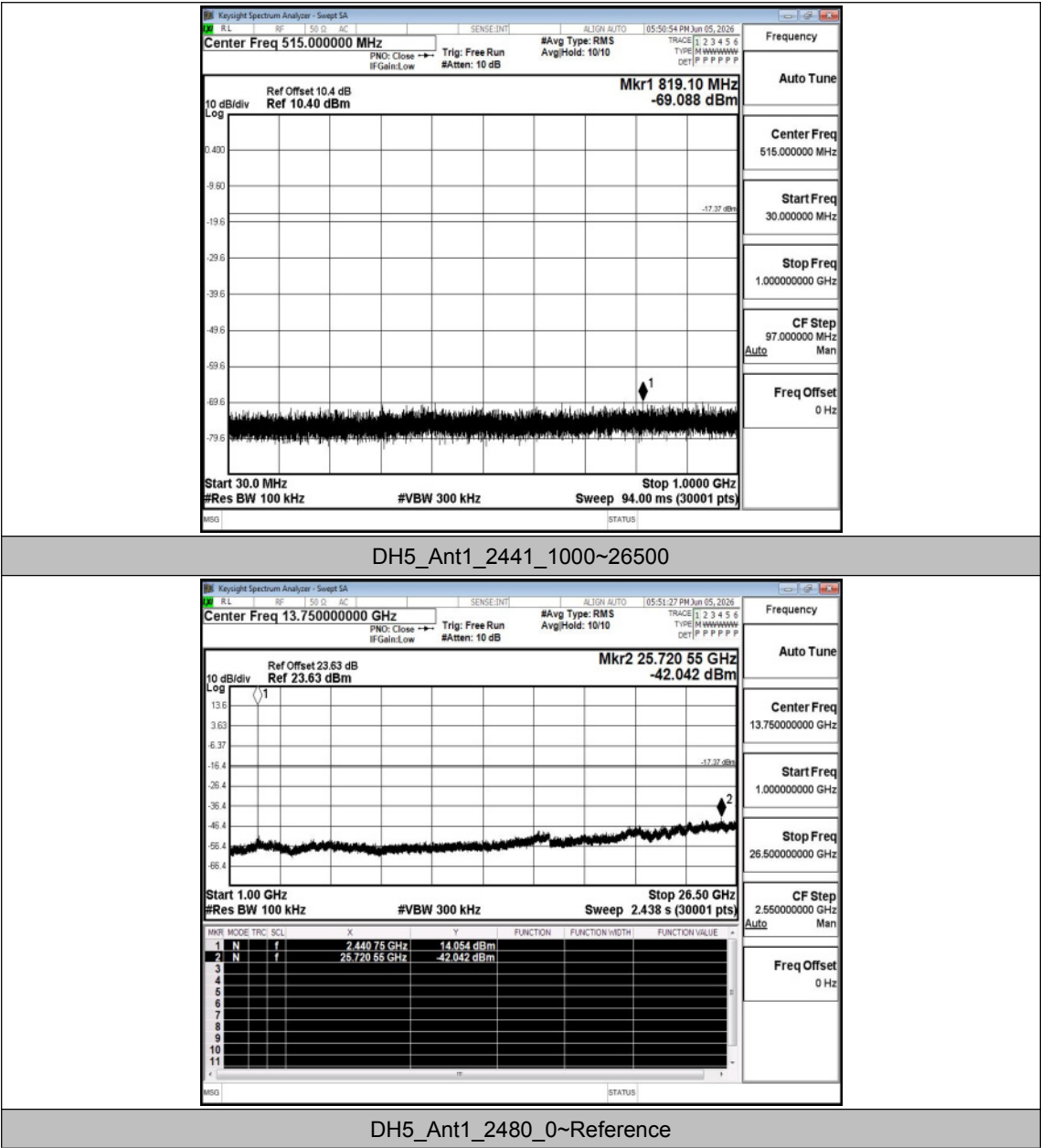
Test Result

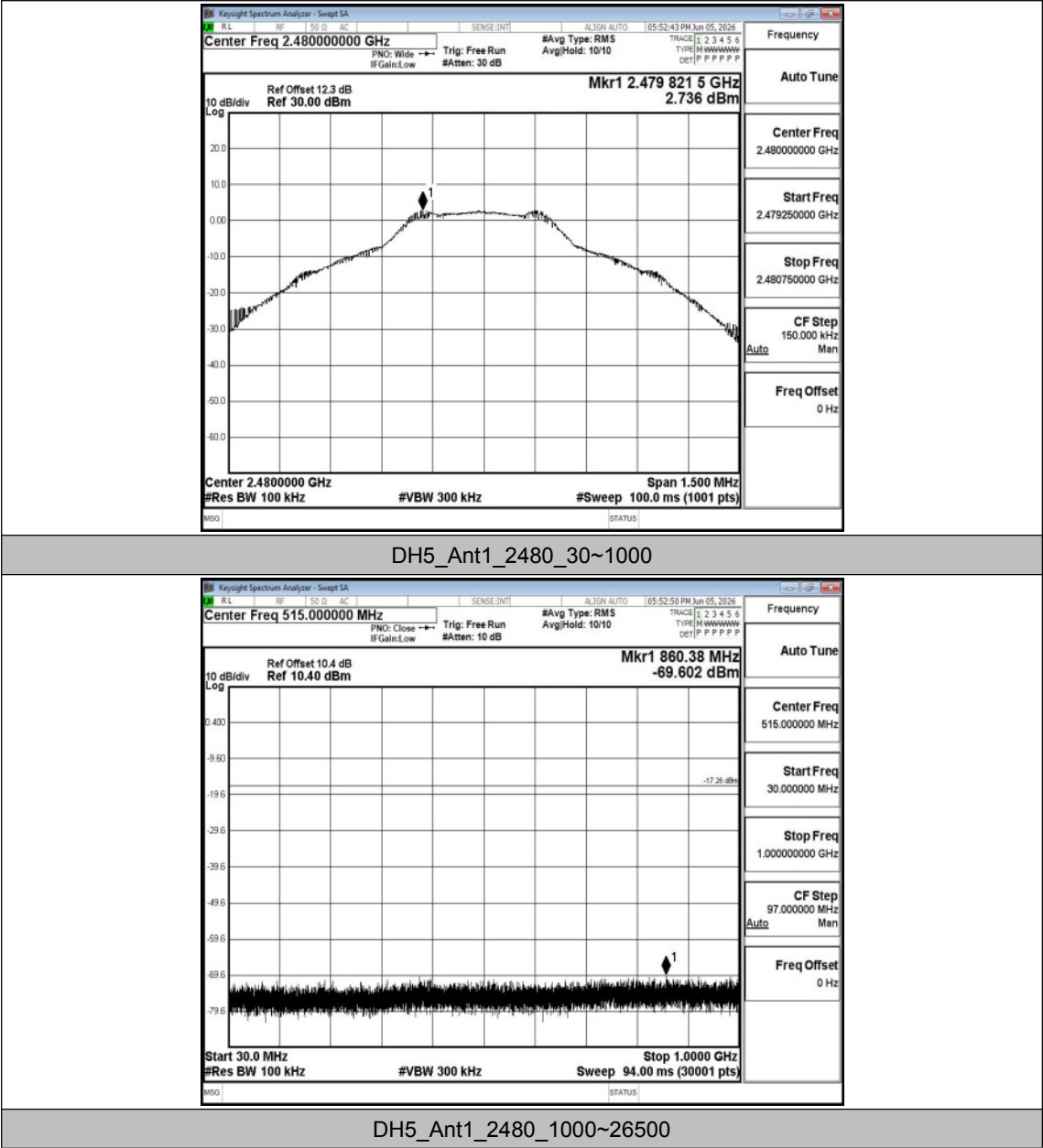
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.02	3.02	---	PASS
			30~1000	3.02	-69.9	≤-16.98	PASS
			1000~26500	3.02	-43.08	≤-16.98	PASS
		2441	Reference	2.63	2.63	---	PASS
			30~1000	2.63	-69.09	≤-17.37	PASS
			1000~26500	2.63	-42.04	≤-17.37	PASS
		2480	Reference	2.74	2.74	---	PASS
			30~1000	2.74	-69.6	≤-17.26	PASS
			1000~26500	2.74	-42.73	≤-17.26	PASS
2DH5	Ant1	2402	Reference	1.85	1.85	---	PASS
			30~1000	1.85	-68.87	≤-18.15	PASS
			1000~26500	1.85	-43.27	≤-18.15	PASS
		2441	Reference	1.71	1.71	---	PASS
			30~1000	1.71	-68.36	≤-18.29	PASS
			1000~26500	1.71	-43.31	≤-18.29	PASS
		2480	Reference	1.52	1.52	---	PASS
			30~1000	1.52	-69.05	≤-18.48	PASS
			1000~26500	1.52	-42.98	≤-18.48	PASS
3DH5	Ant1	2402	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-69.52	≤-18.09	PASS
			1000~26500	1.91	-42.69	≤-18.09	PASS
		2441	Reference	1.77	1.77	---	PASS
			30~1000	1.77	-69.84	≤-18.23	PASS
			1000~26500	1.77	-43.07	≤-18.23	PASS
		2480	Reference	1.56	1.56	---	PASS
			30~1000	1.56	-68.83	≤-18.44	PASS
			1000~26500	1.56	-43.22	≤-18.44	PASS

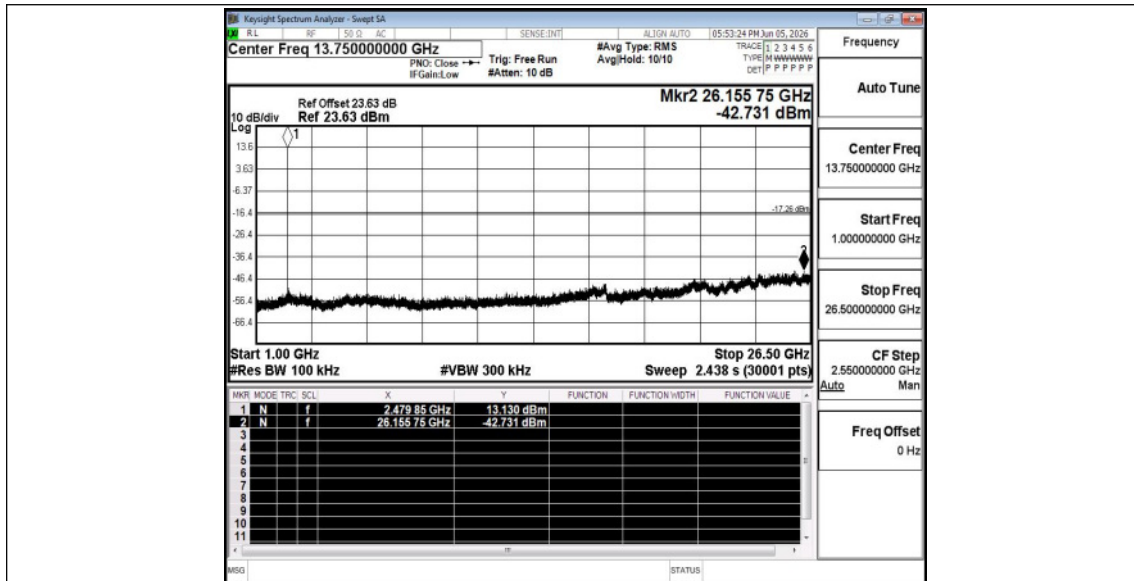
Test Graphs



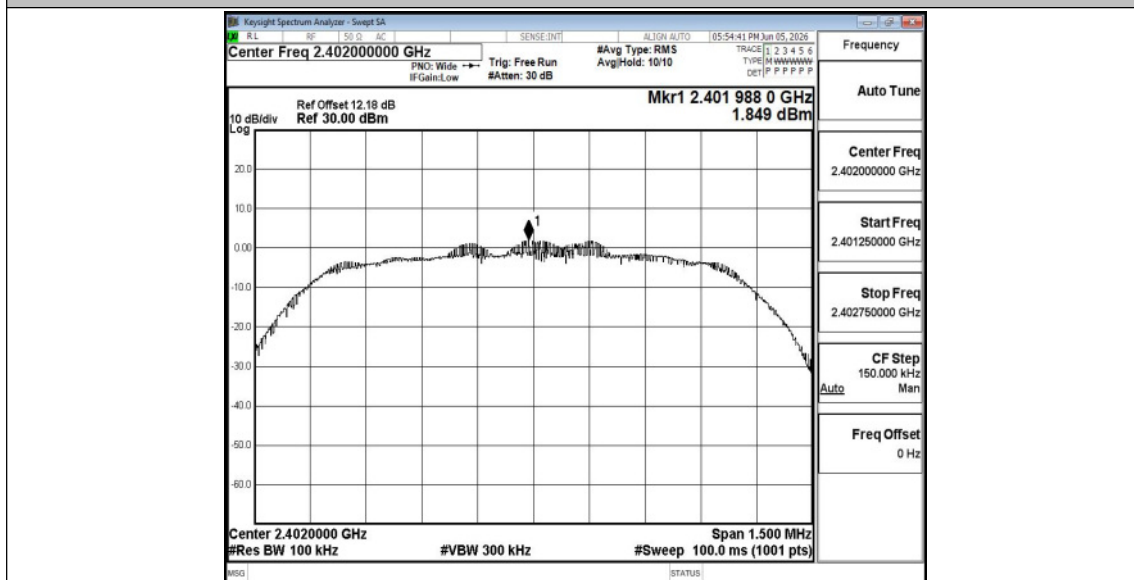




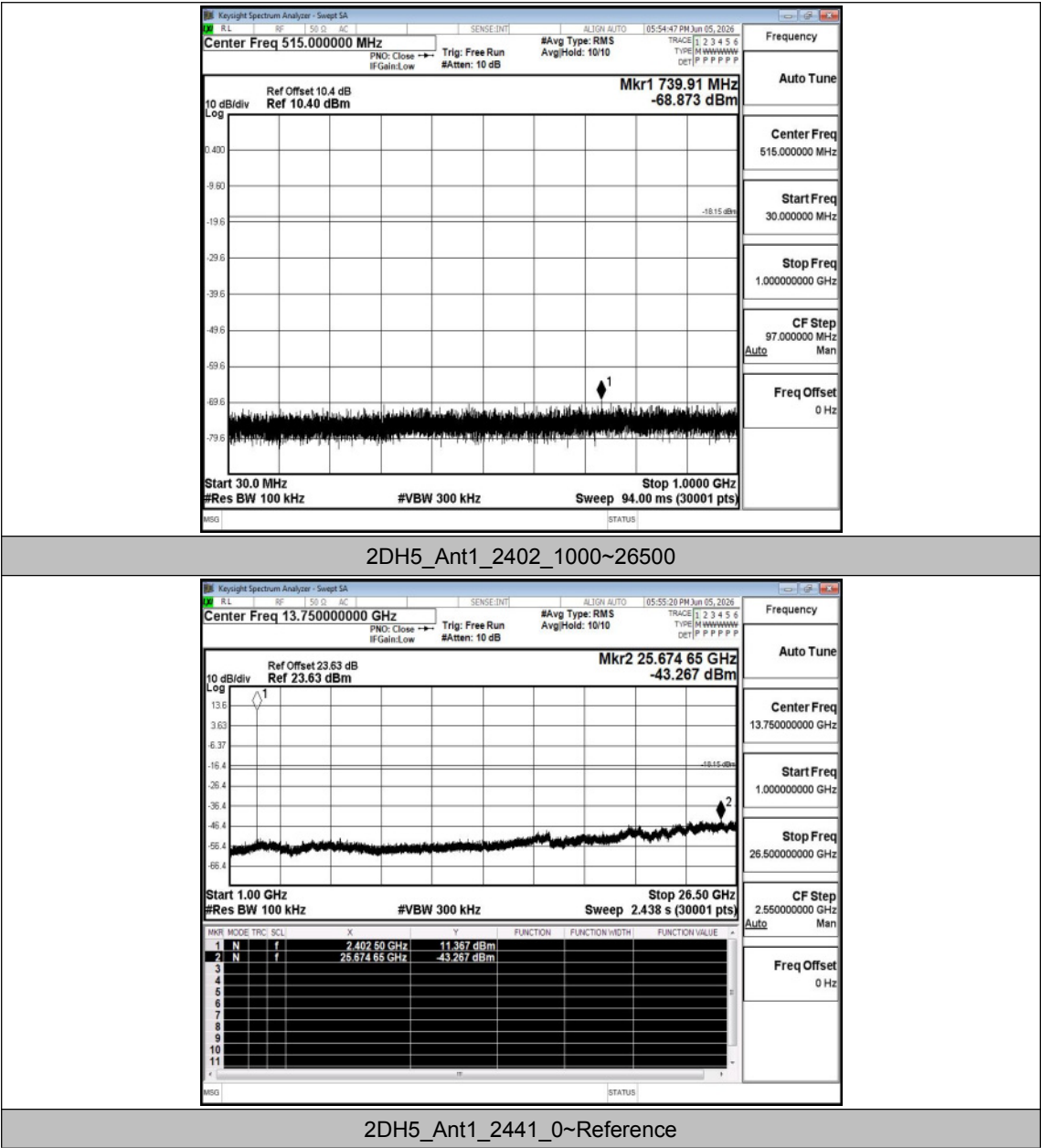


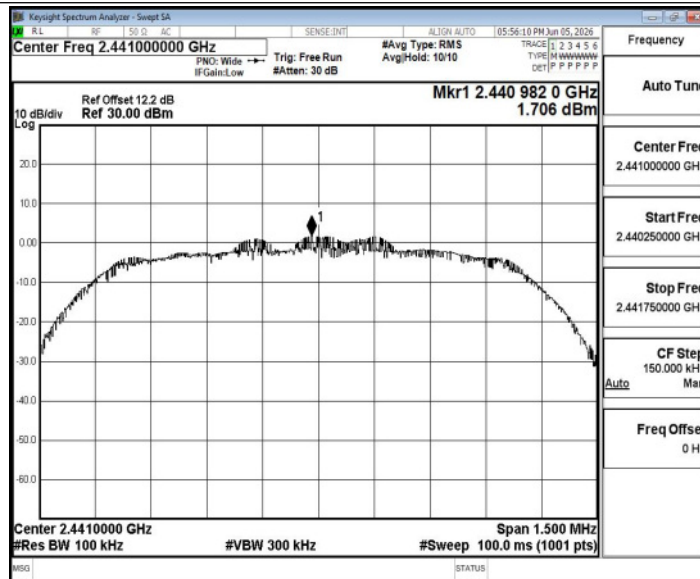


2DH5_Ant1_2402_0~Reference

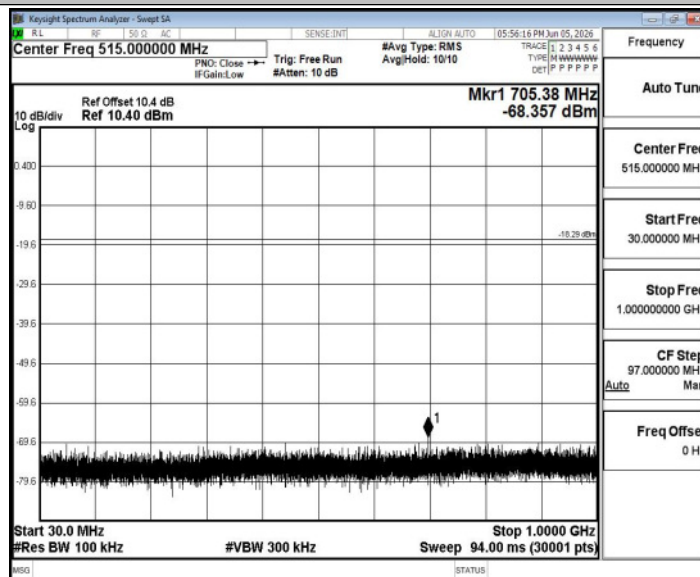


2DH5_Ant1_2402_30~1000

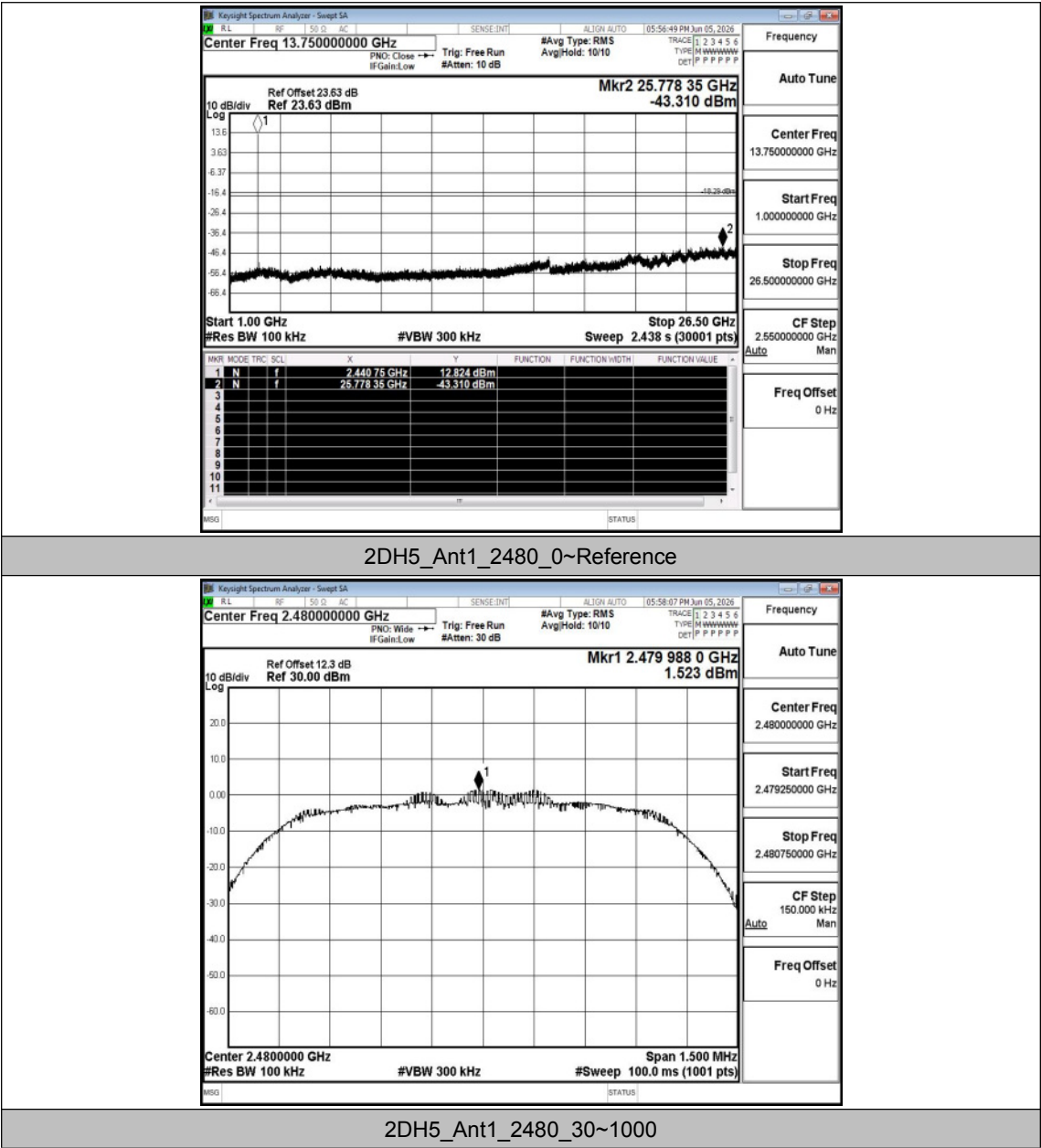


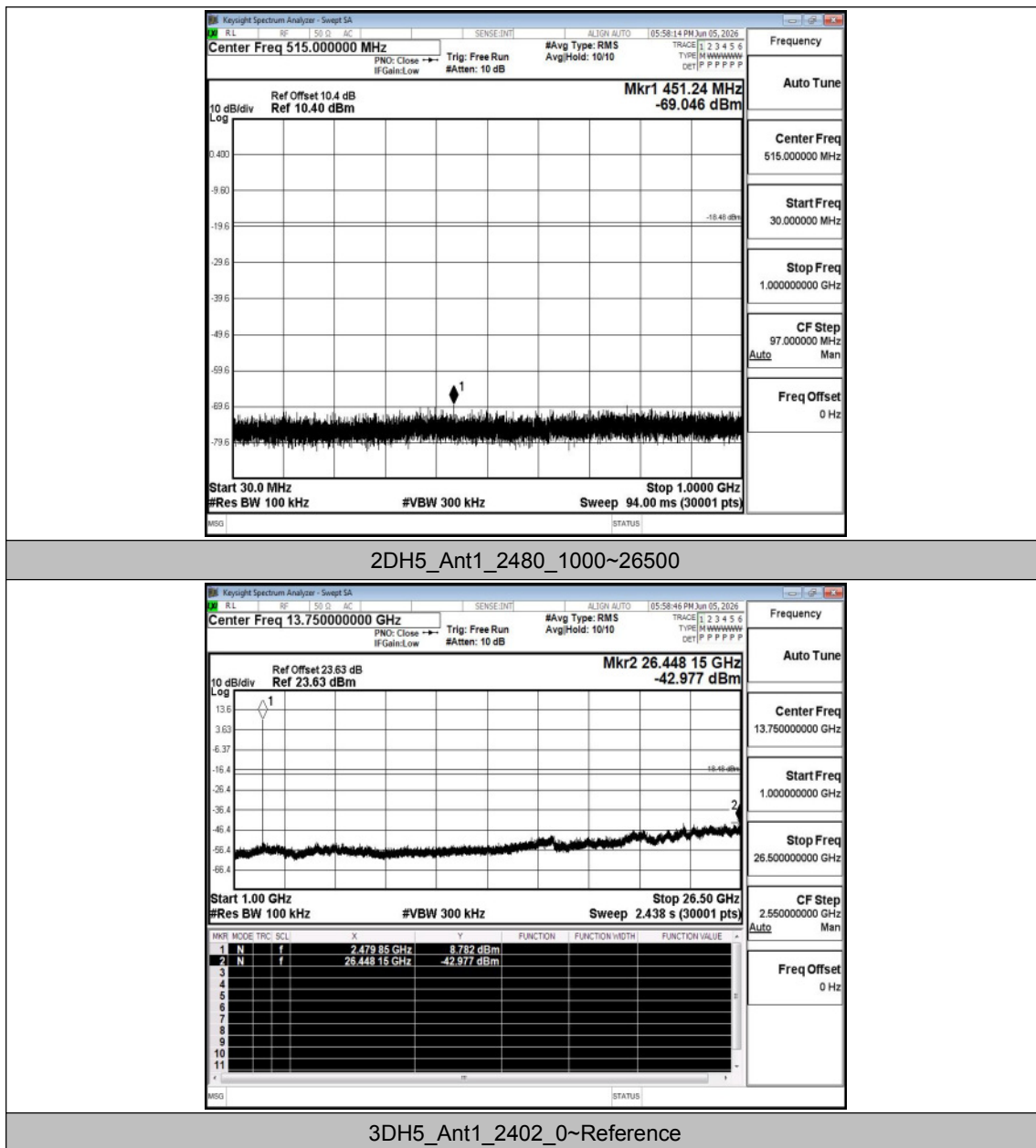


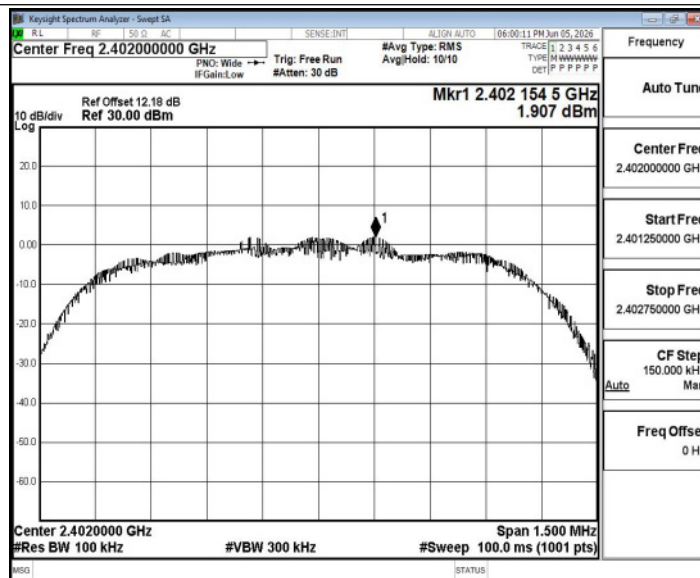
2DH5_Ant1_2441_30~1000



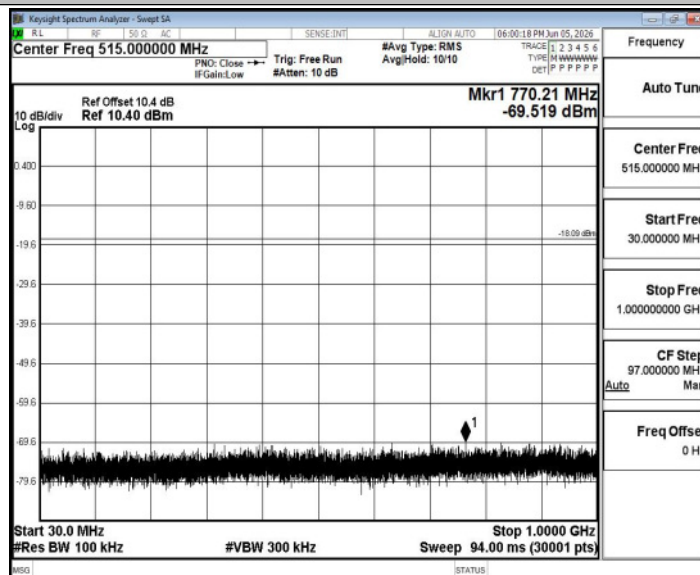
2DH5_Ant1_2441_1000~26500







3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500