

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smart audio glasses

Test Model: SS-SPORT+IRG2

Environmental Conditions

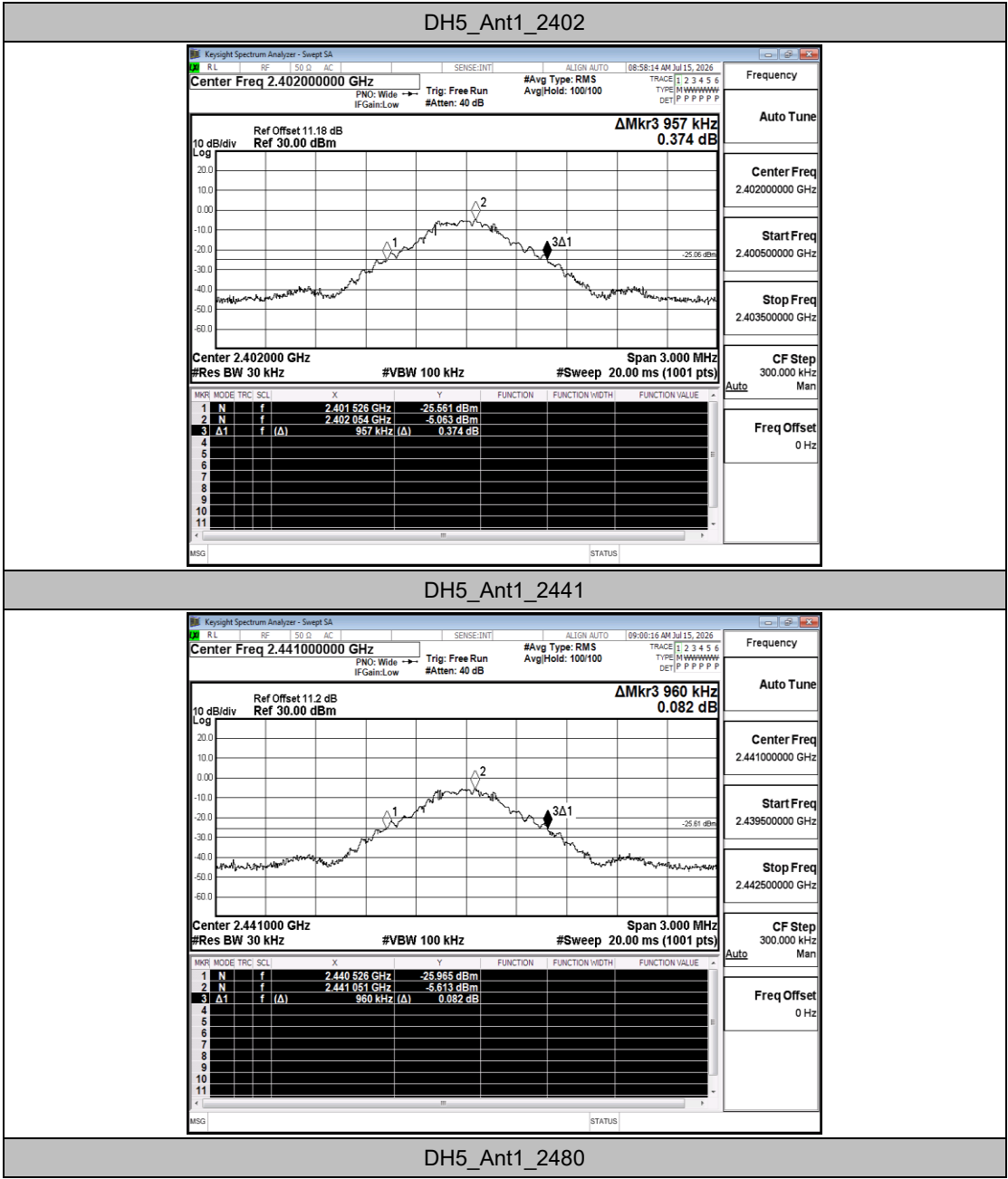
Temperature:	24.2°C
Relative Humidity:	53.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

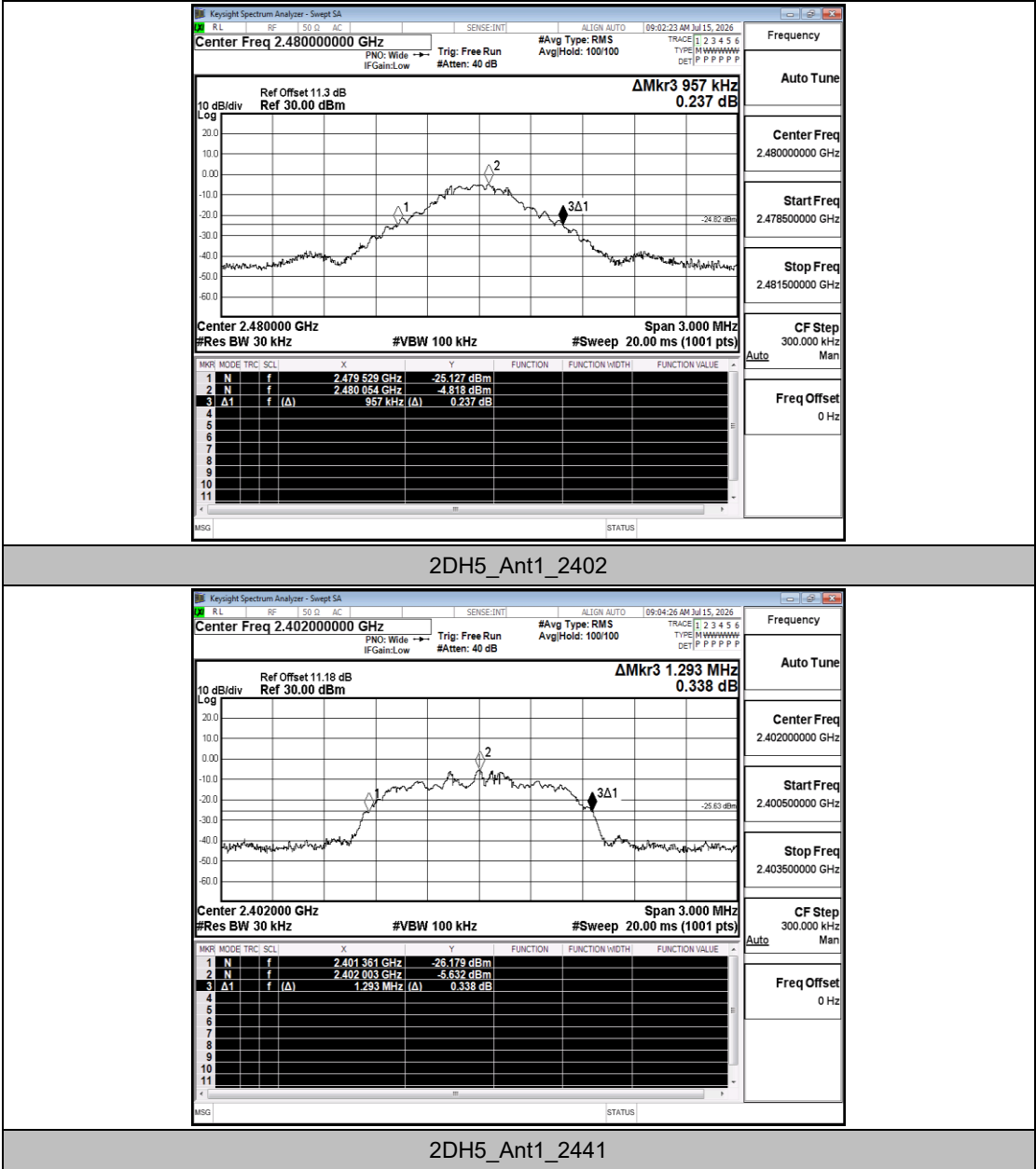
A.1 20dB Emission Bandwidth

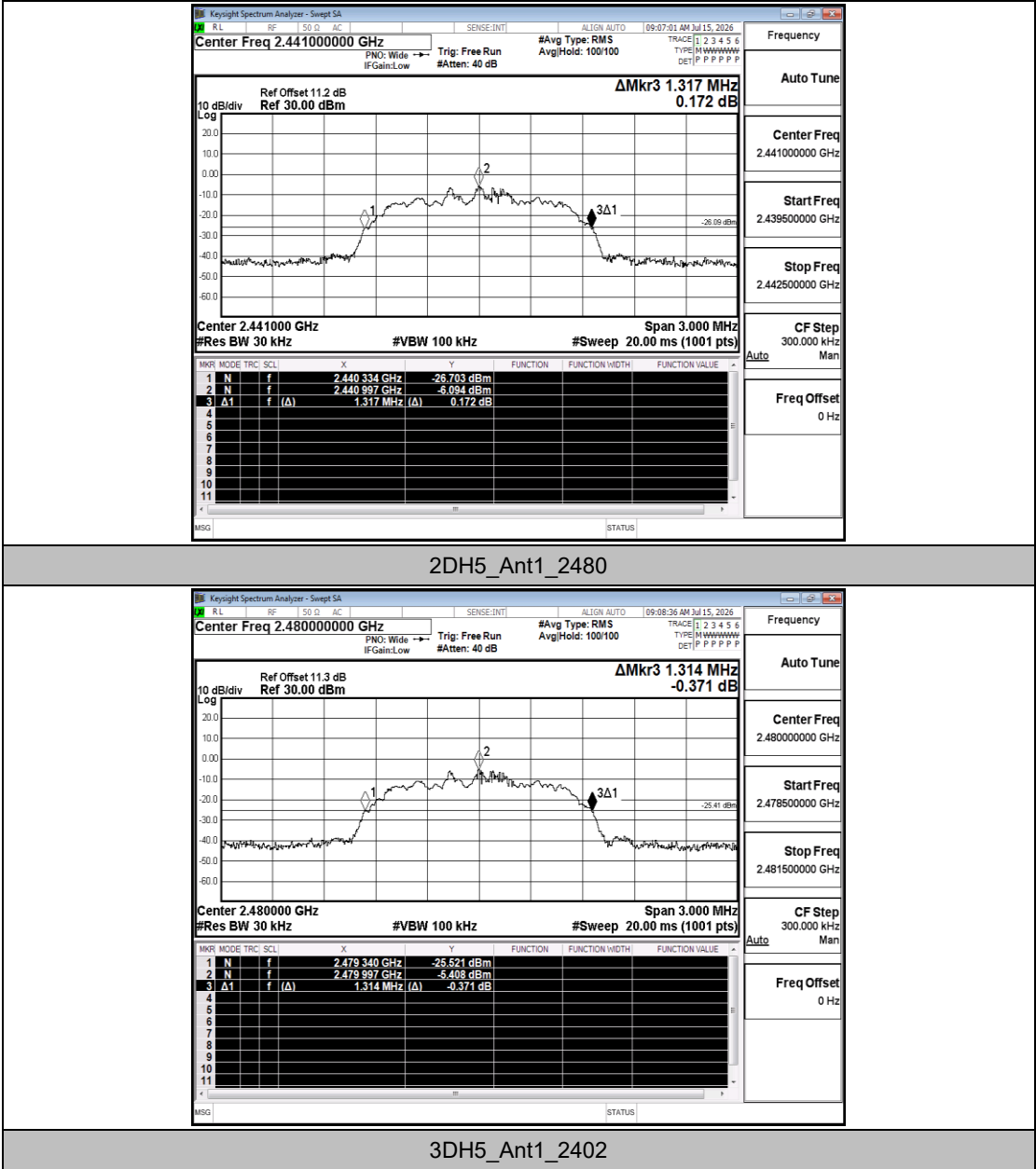
Test Result

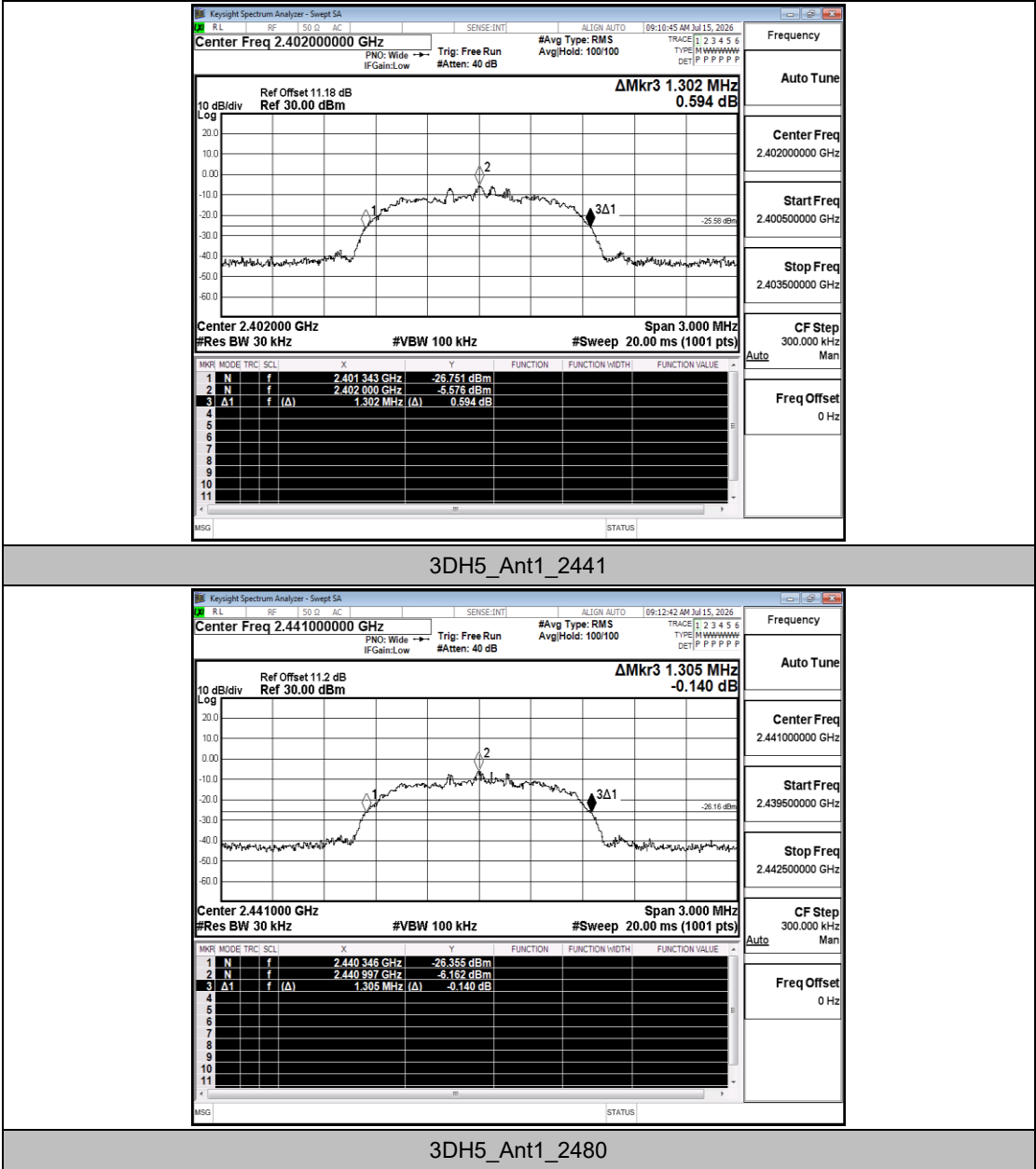
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.957	2401.526	2402.483	---	---
		2441	0.960	2440.526	2441.486	---	---
		2480	0.957	2479.529	2480.486	---	---
2DH5	Ant1	2402	1.293	2401.361	2402.654	---	---
		2441	1.317	2440.334	2441.651	---	---
		2480	1.314	2479.340	2480.654	---	---
3DH5	Ant1	2402	1.302	2401.343	2402.645	---	---
		2441	1.305	2440.346	2441.651	---	---
		2480	1.299	2479.343	2480.642	---	---

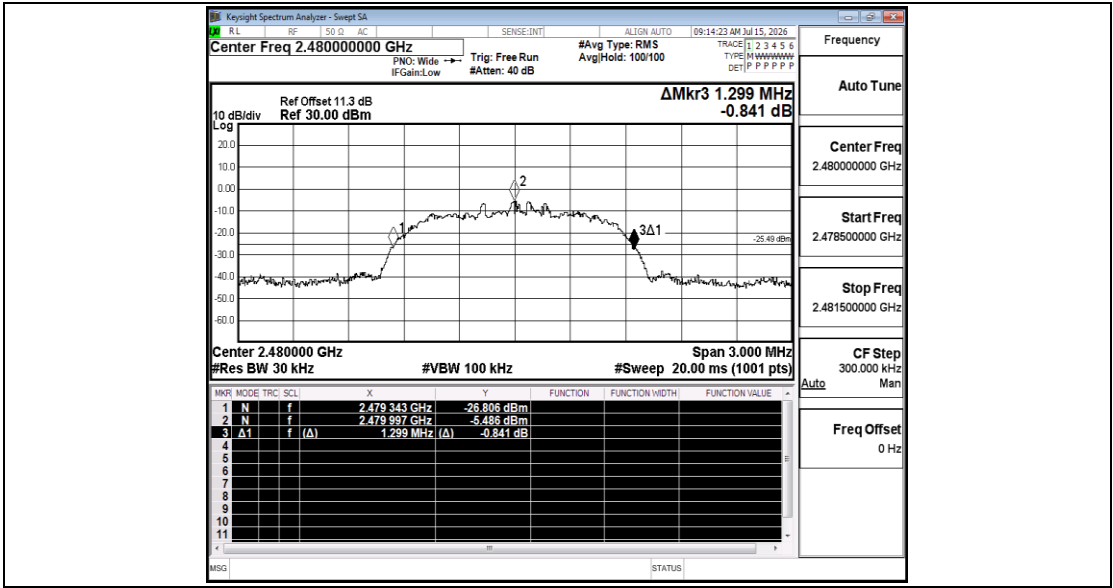
Test Graphs









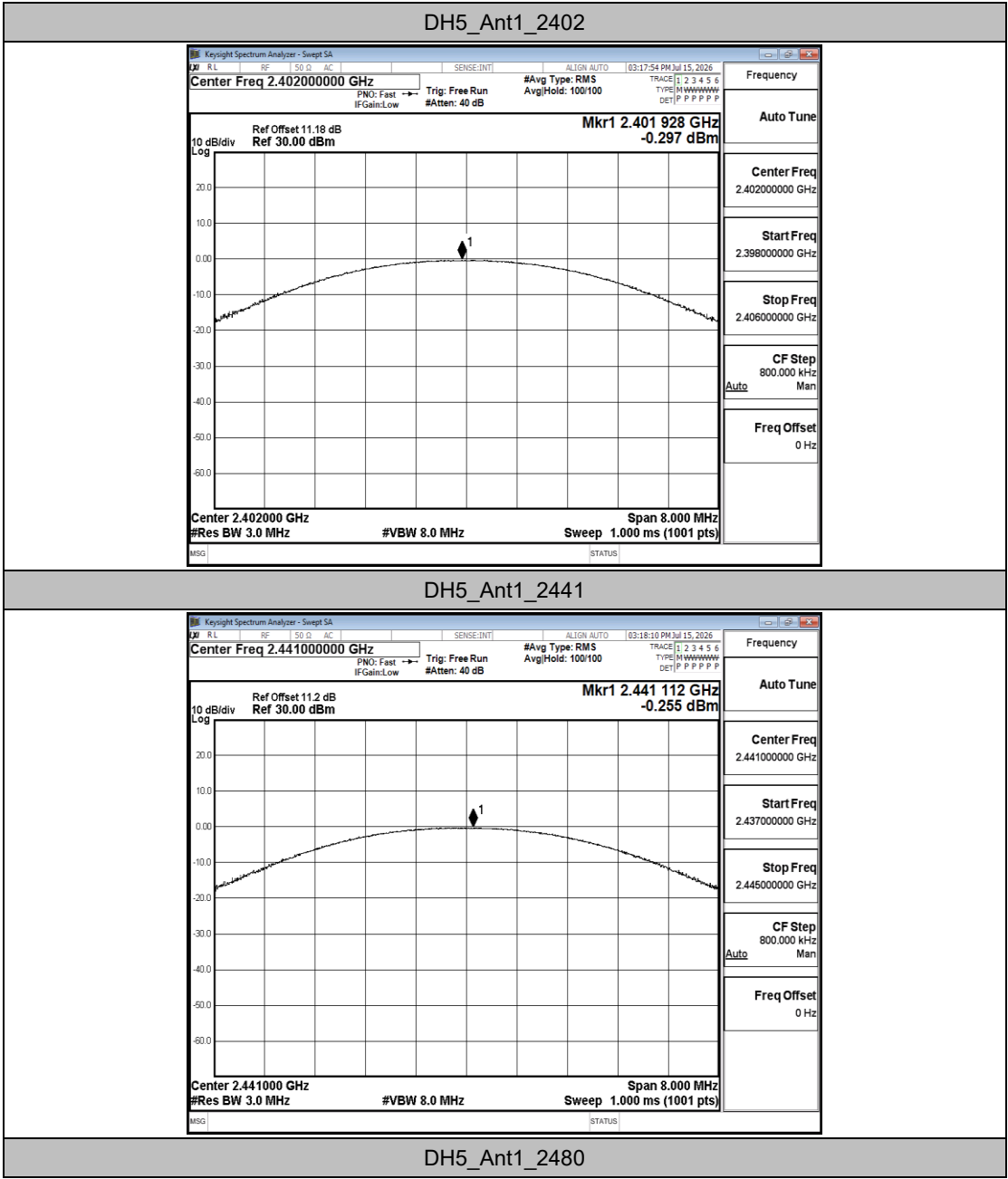


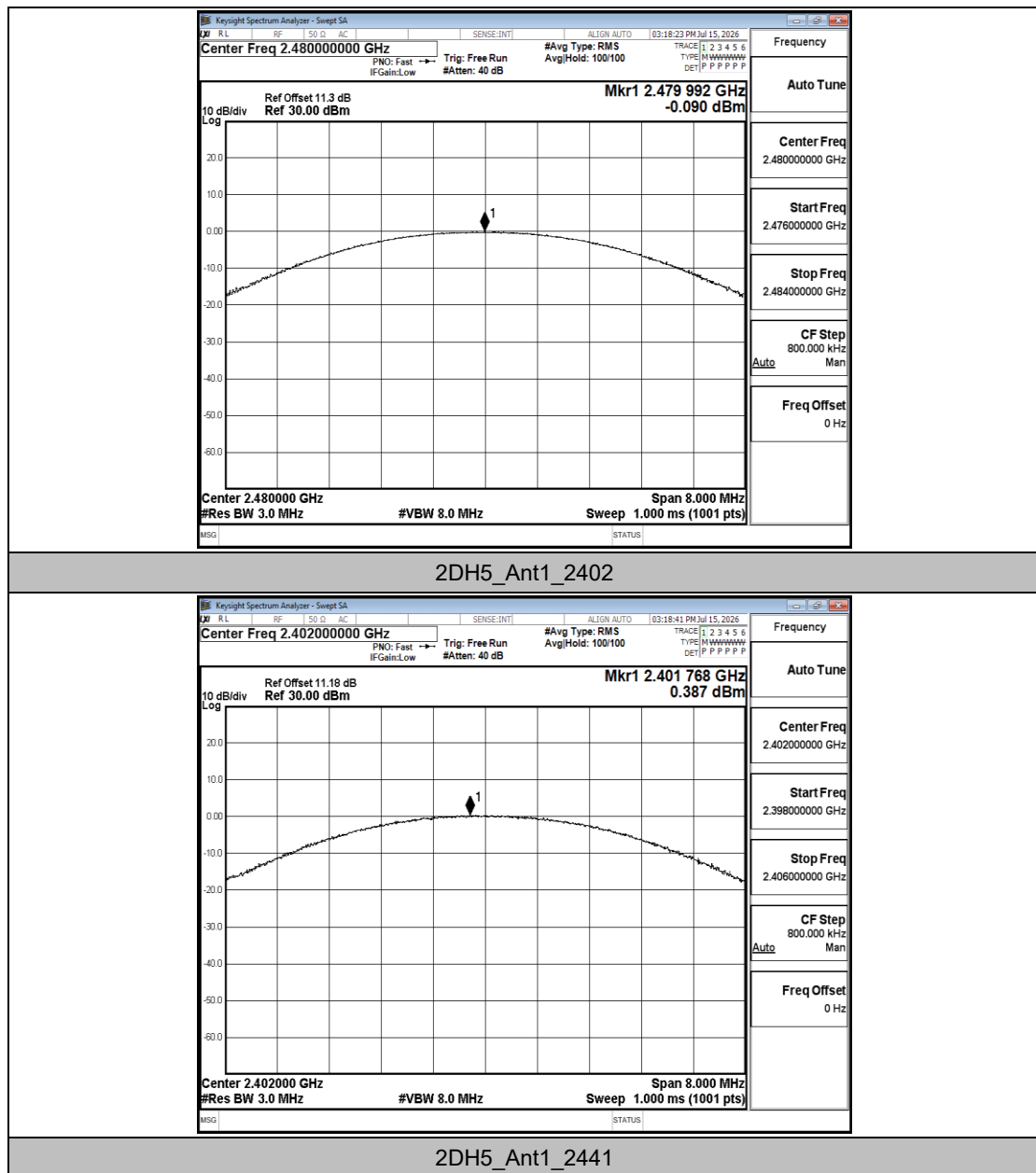
A.2 Maximum Peak conducted output power

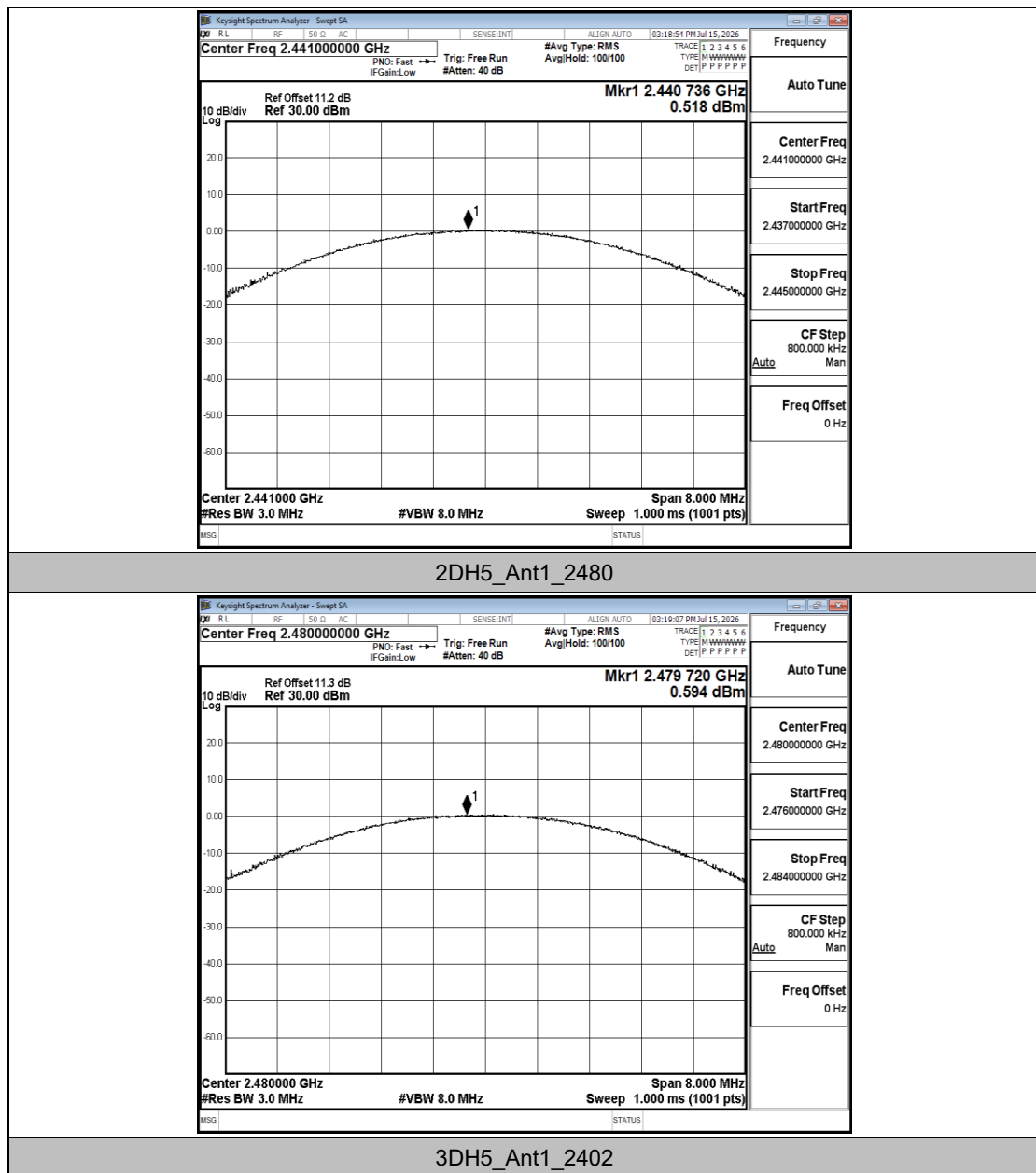
Test Result

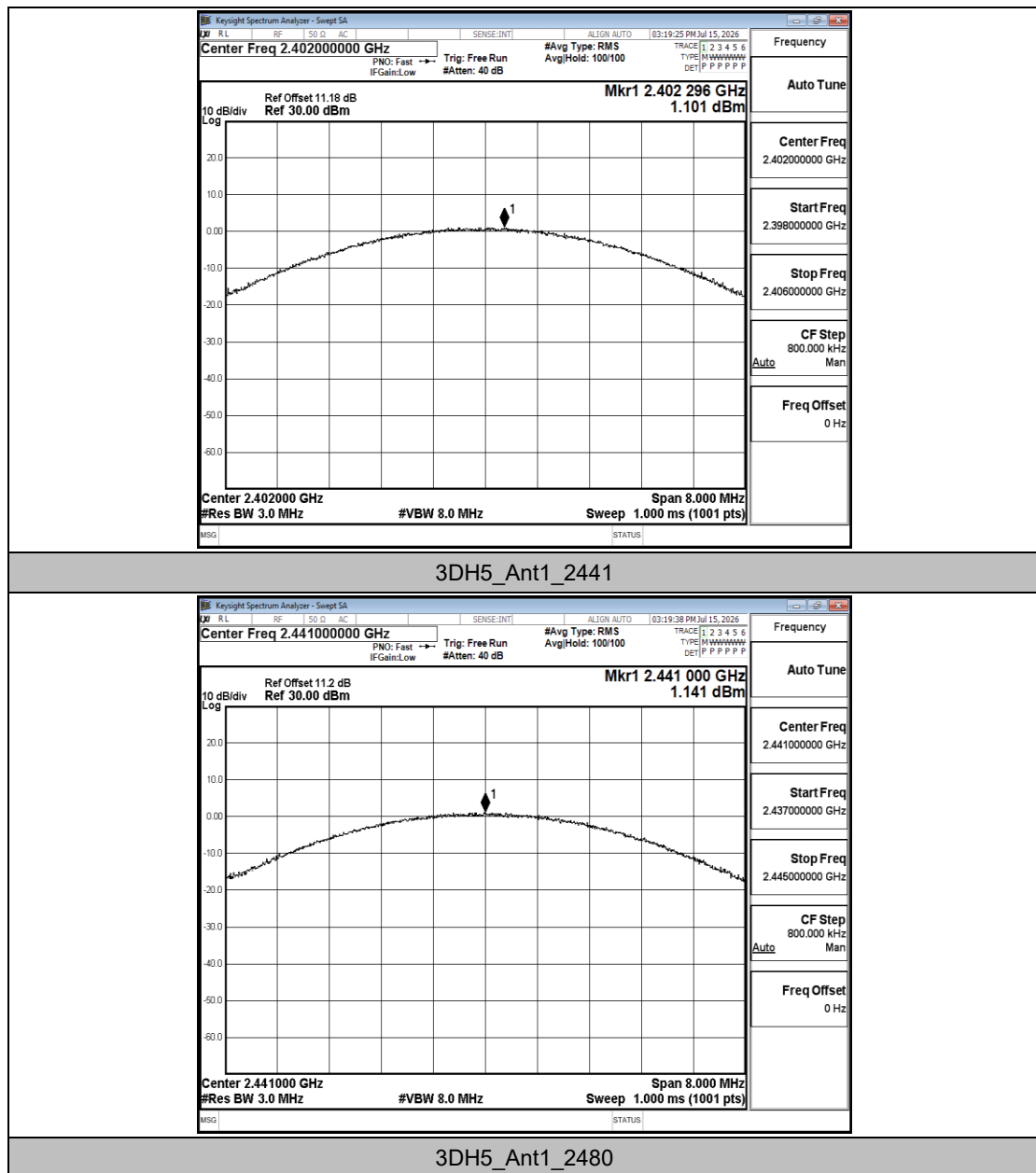
Test Mode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.30	≤30	PASS
		2441	-0.26	≤30	PASS
		2480	-0.09	≤30	PASS
2DH5	Ant1	2402	0.39	≤20.97	PASS
		2441	0.52	≤20.97	PASS
		2480	0.59	≤20.97	PASS
3DH5	Ant1	2402	1.10	≤30	PASS
		2441	1.14	≤30	PASS
		2480	1.32	≤30	PASS

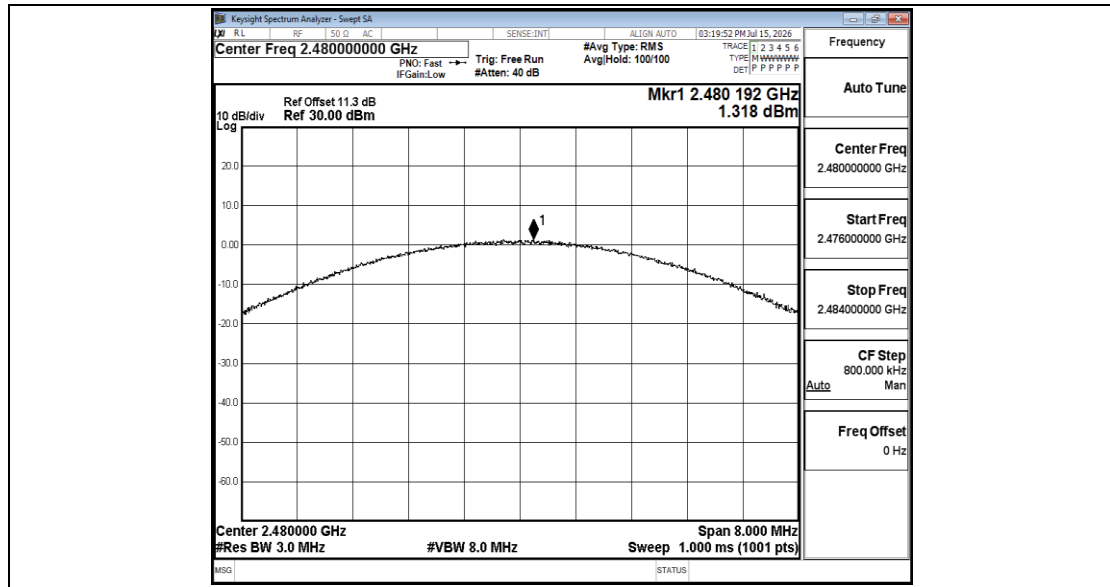
Test Graphs









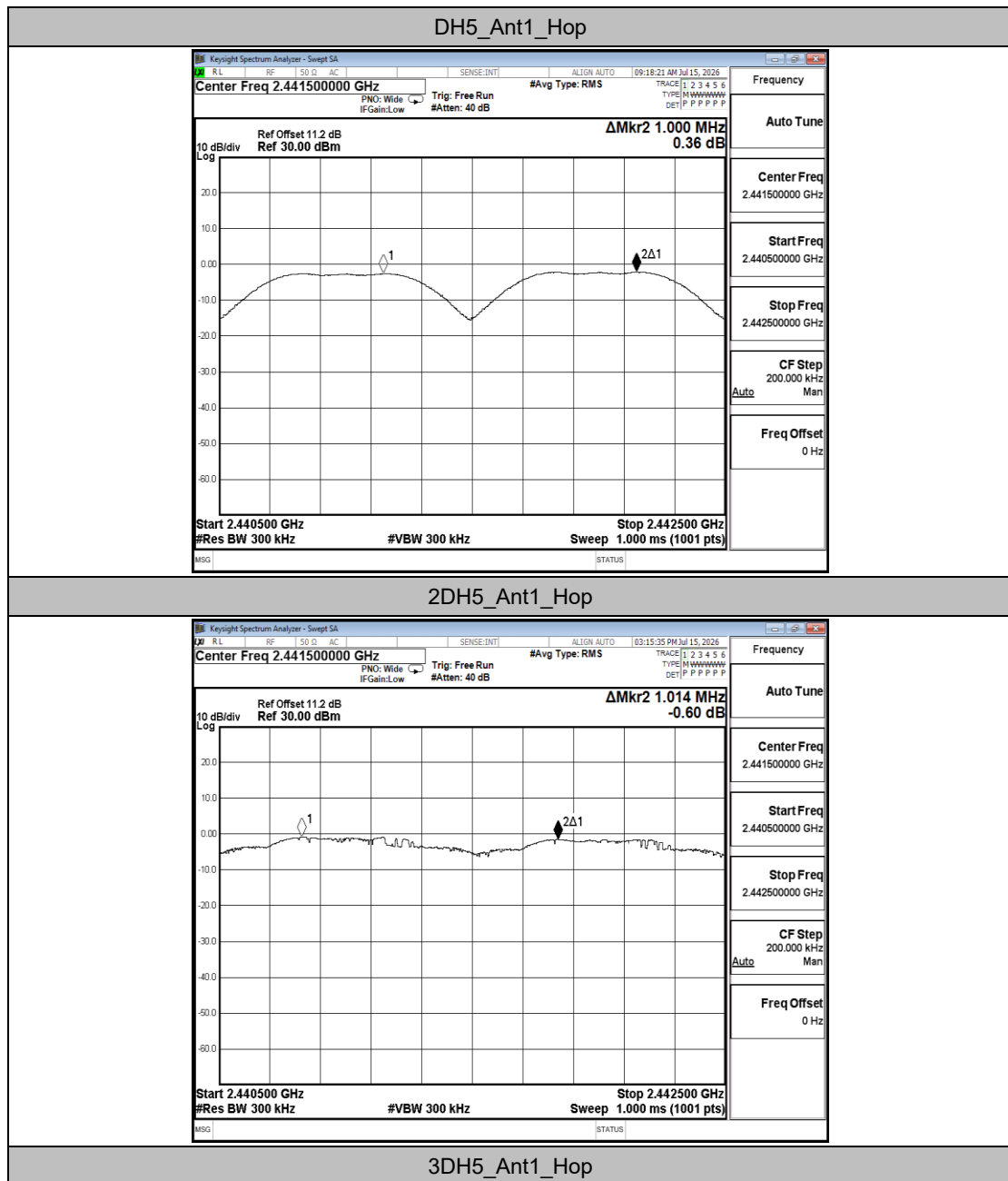


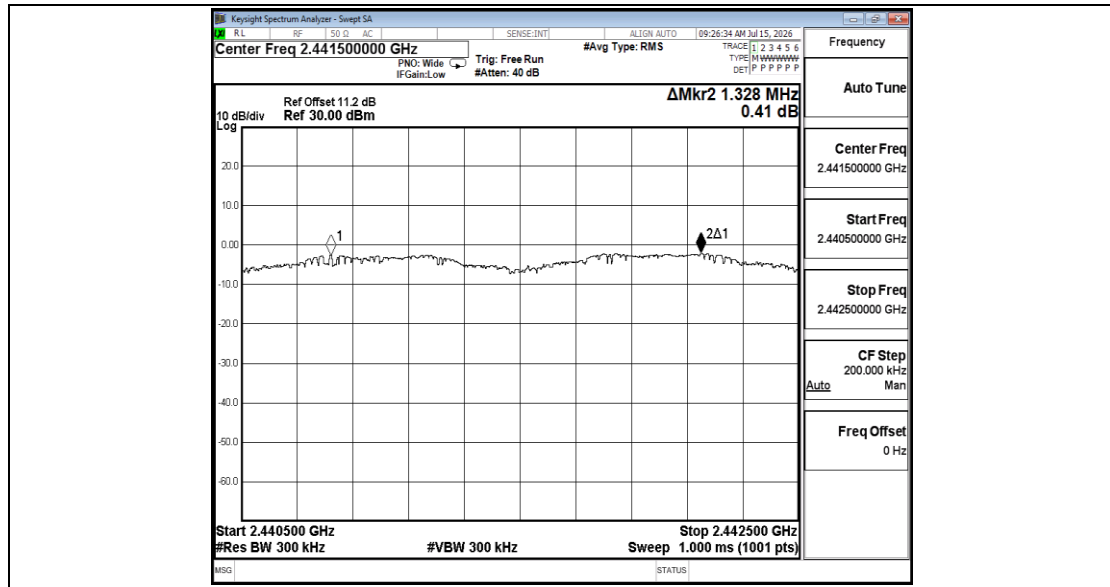
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.960	PASS
2DH5	Ant1	Hop	1.014	≥ 0.878	PASS
3DH5	Ant1	Hop	1.328	≥ 1.305	PASS

Test Graphs



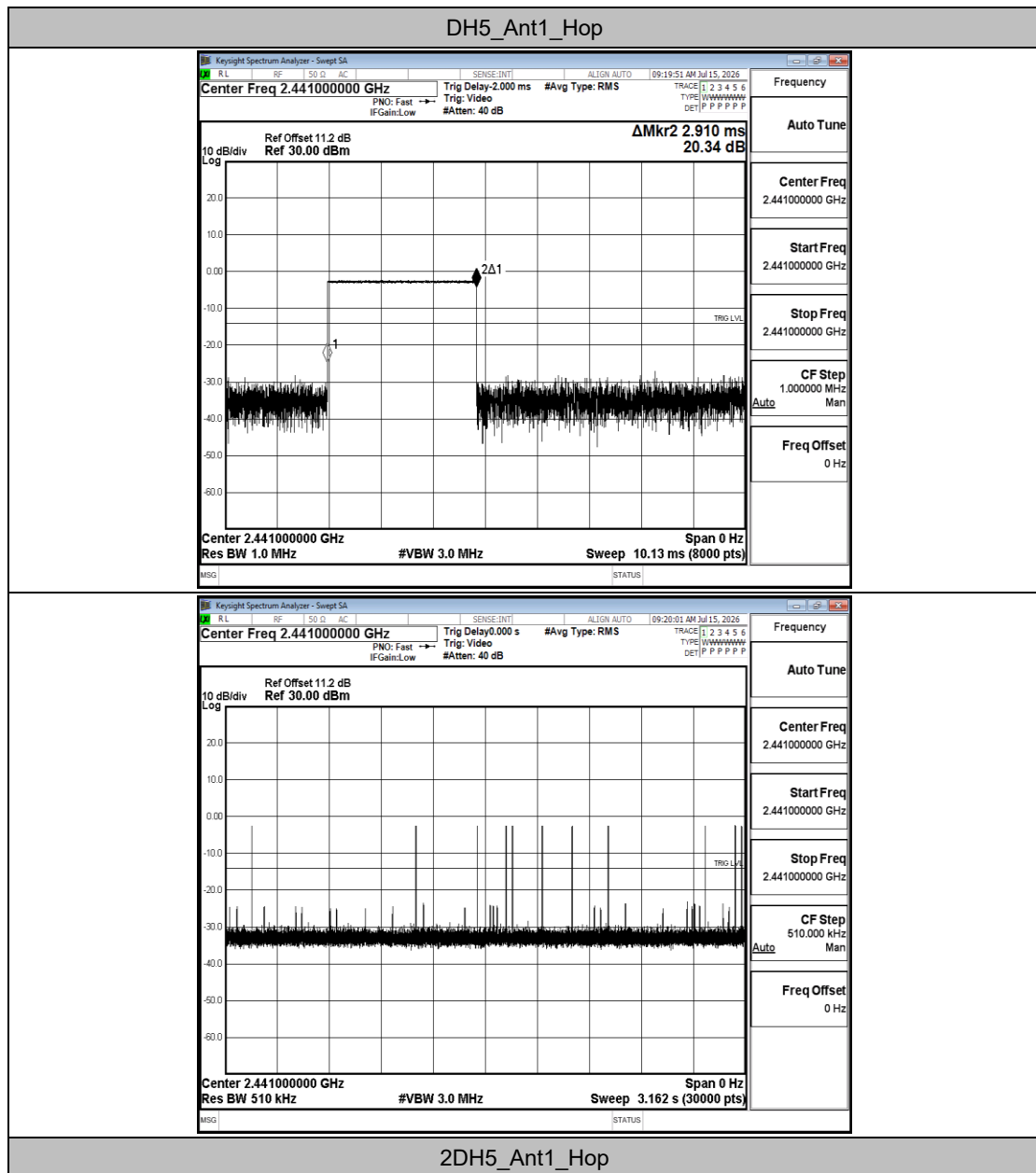


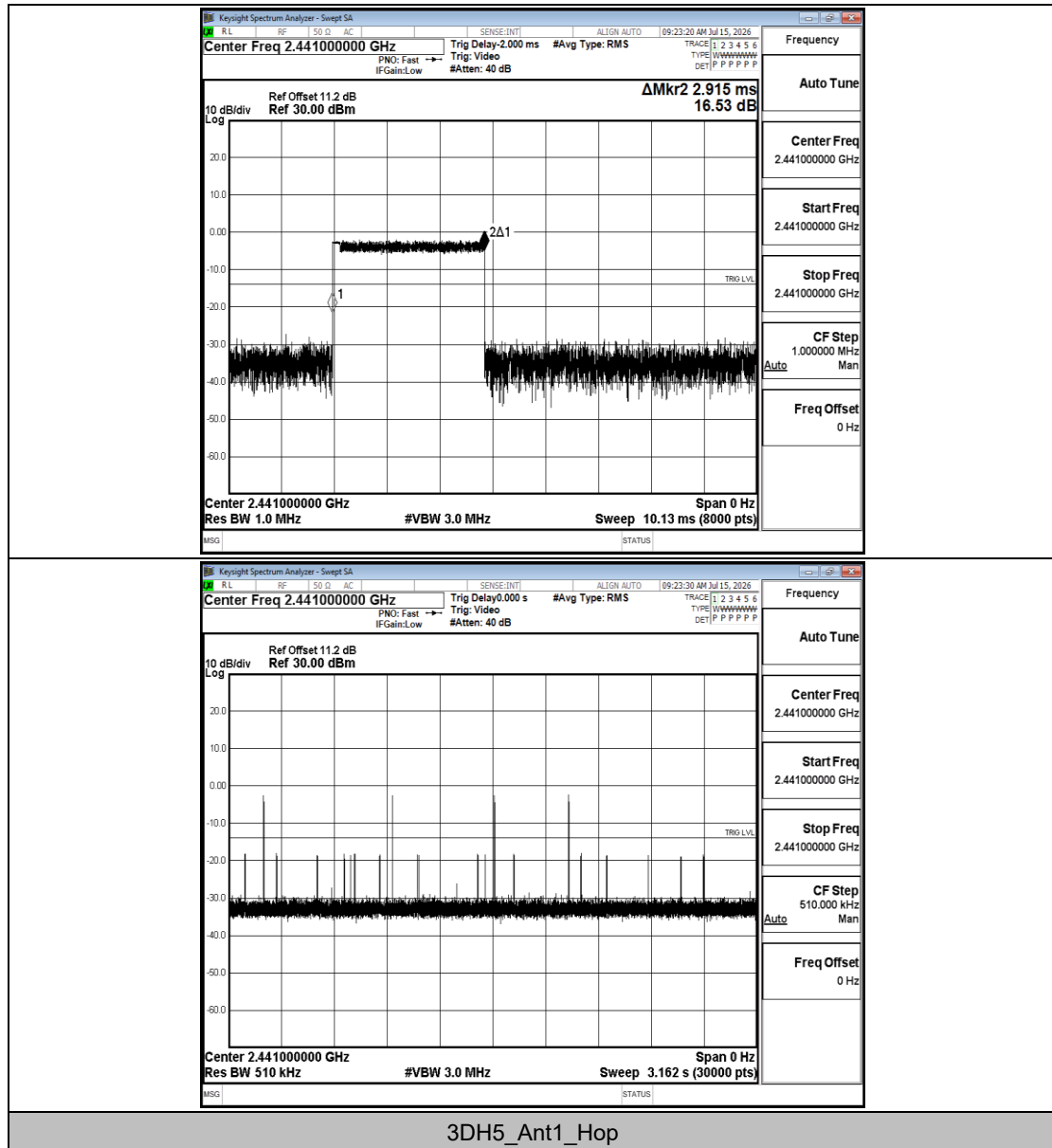
A.4 Time of occupancy

Test Result

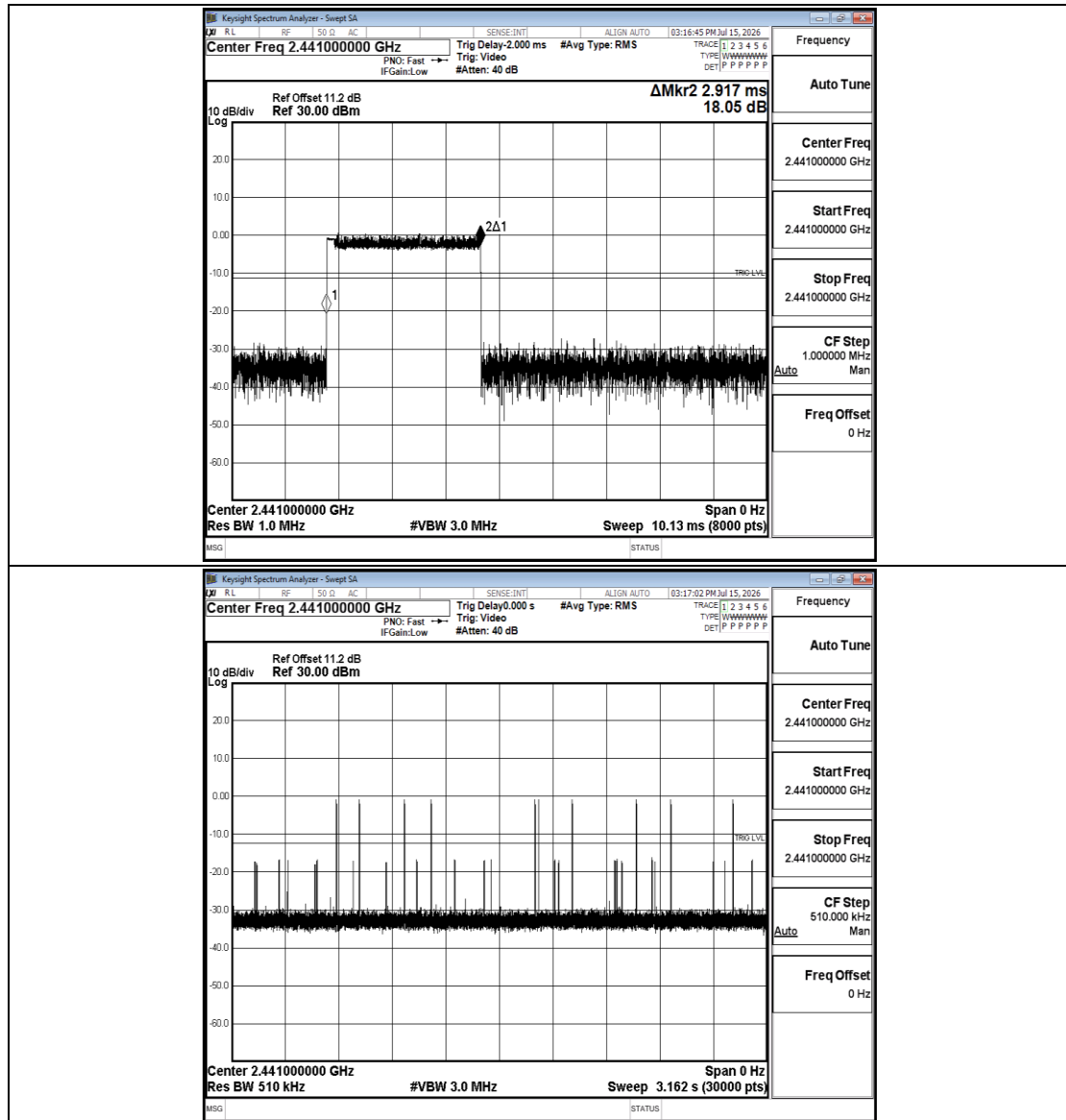
TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.910	120	0.349	≤0.4	PASS
2DH5	Ant1	Hop	2.915	60	0.175	≤0.4	PASS
3DH5	Ant1	Hop	2.917	110	0.321	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

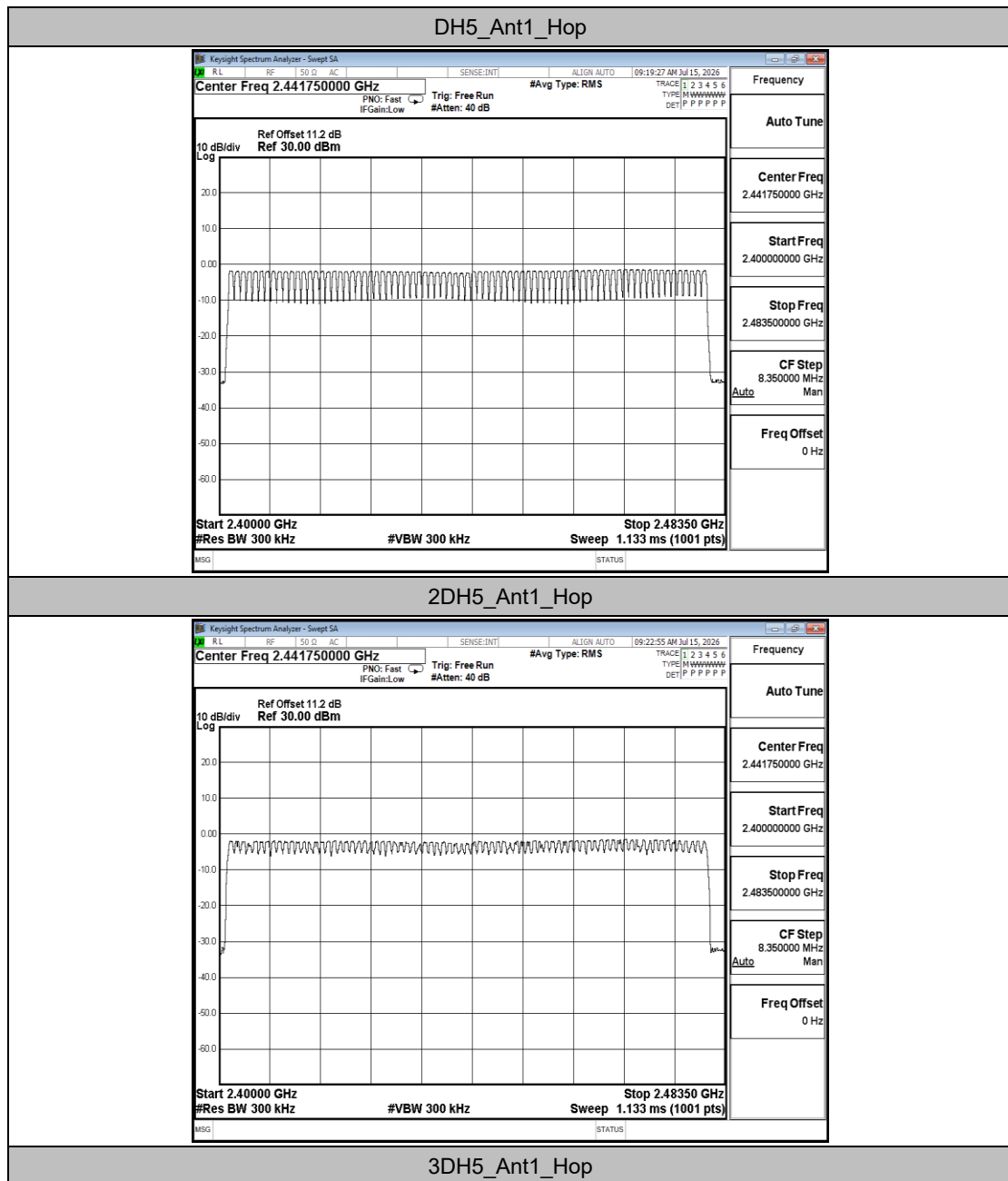


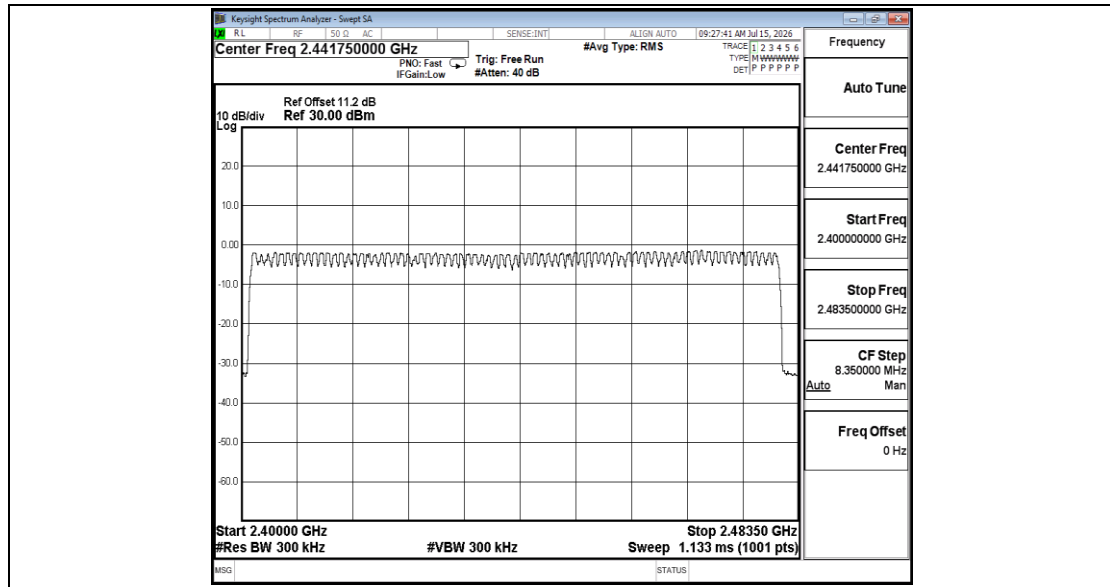
A.5 Number of hopping channels

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



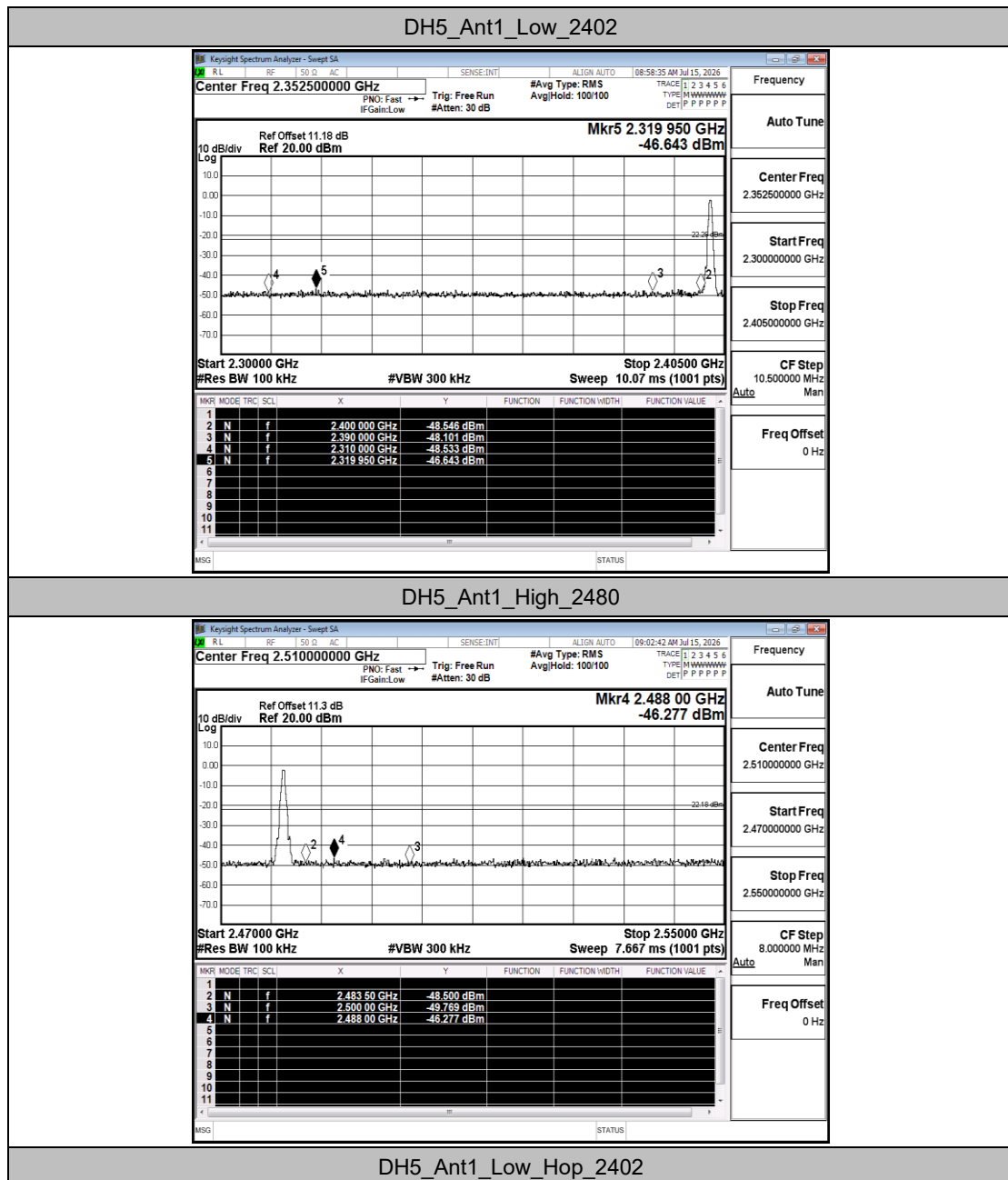


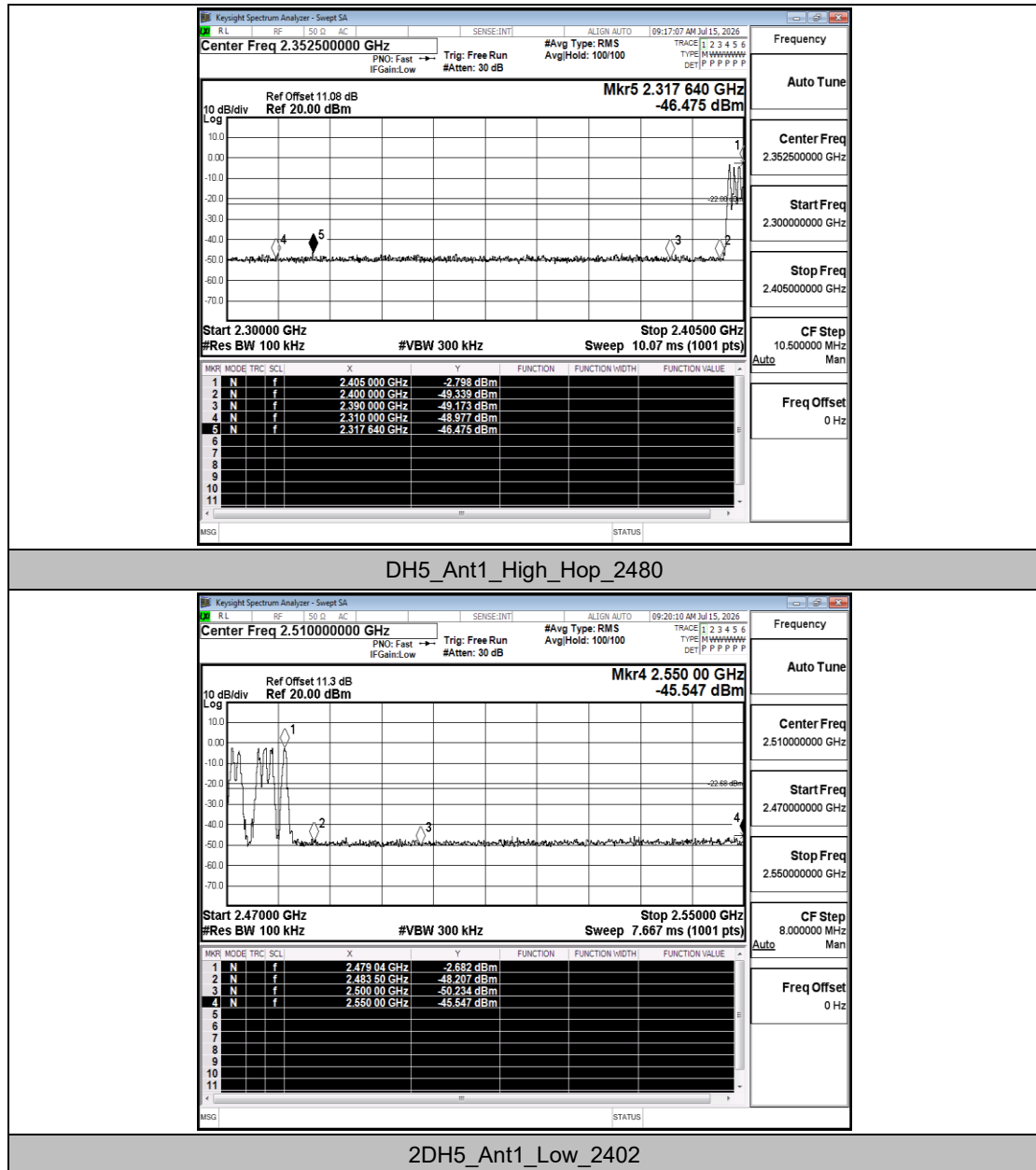
A.6 Band edge measurements

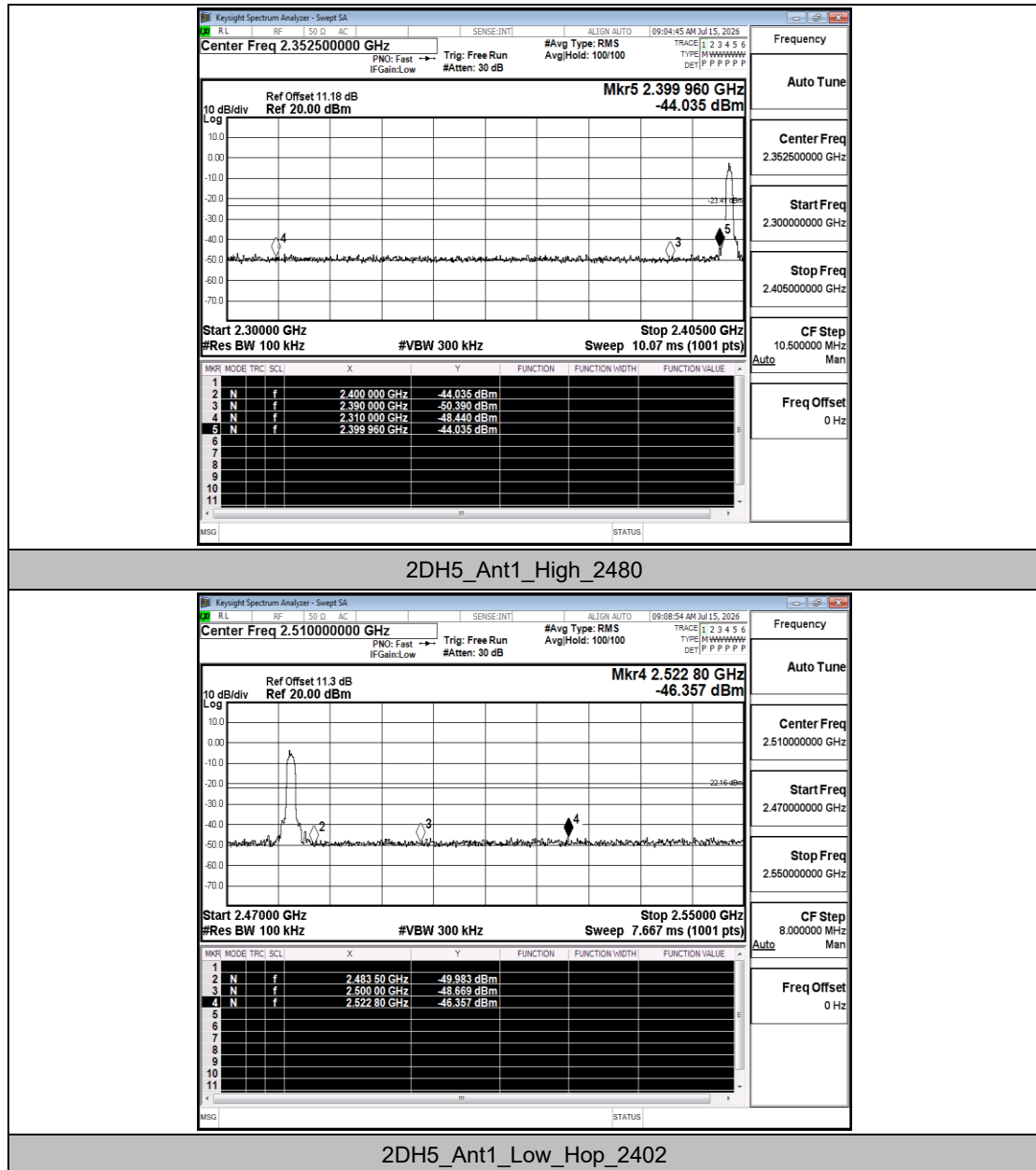
Test Result

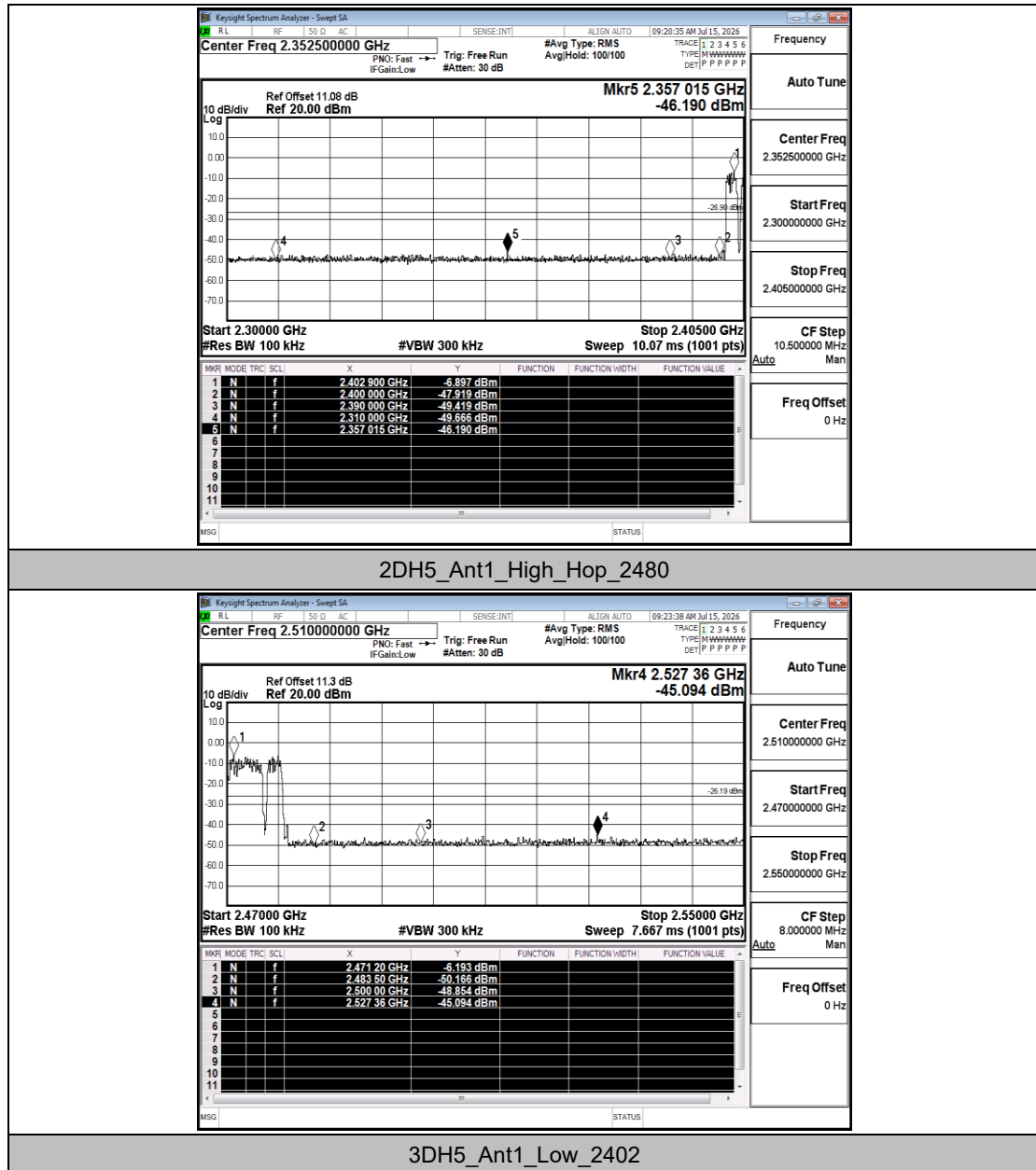
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.29	-46.64	≤ -22.29	PASS
		High	2480	-2.18	-46.28	≤ -22.18	PASS
		Low	Hop_2402	-2.80	-46.48	≤ -22.8	PASS
		High	Hop_2480	-2.68	-45.55	≤ -22.68	PASS
2DH5	Ant1	Low	2402	-3.41	-44.04	≤ -23.41	PASS
		High	2480	-2.16	-46.36	≤ -22.16	PASS
		Low	Hop_2402	-6.90	-46.19	≤ -26.9	PASS
		High	Hop_2480	-6.19	-45.09	≤ -26.19	PASS
3DH5	Ant1	Low	2402	-2.33	-46.72	≤ -22.33	PASS
		High	2480	-2.17	-45.78	≤ -22.17	PASS
		Low	Hop_2402	-2.92	-46.69	≤ -22.92	PASS
		High	Hop_2480	-4.23	-45.84	≤ -24.23	PASS

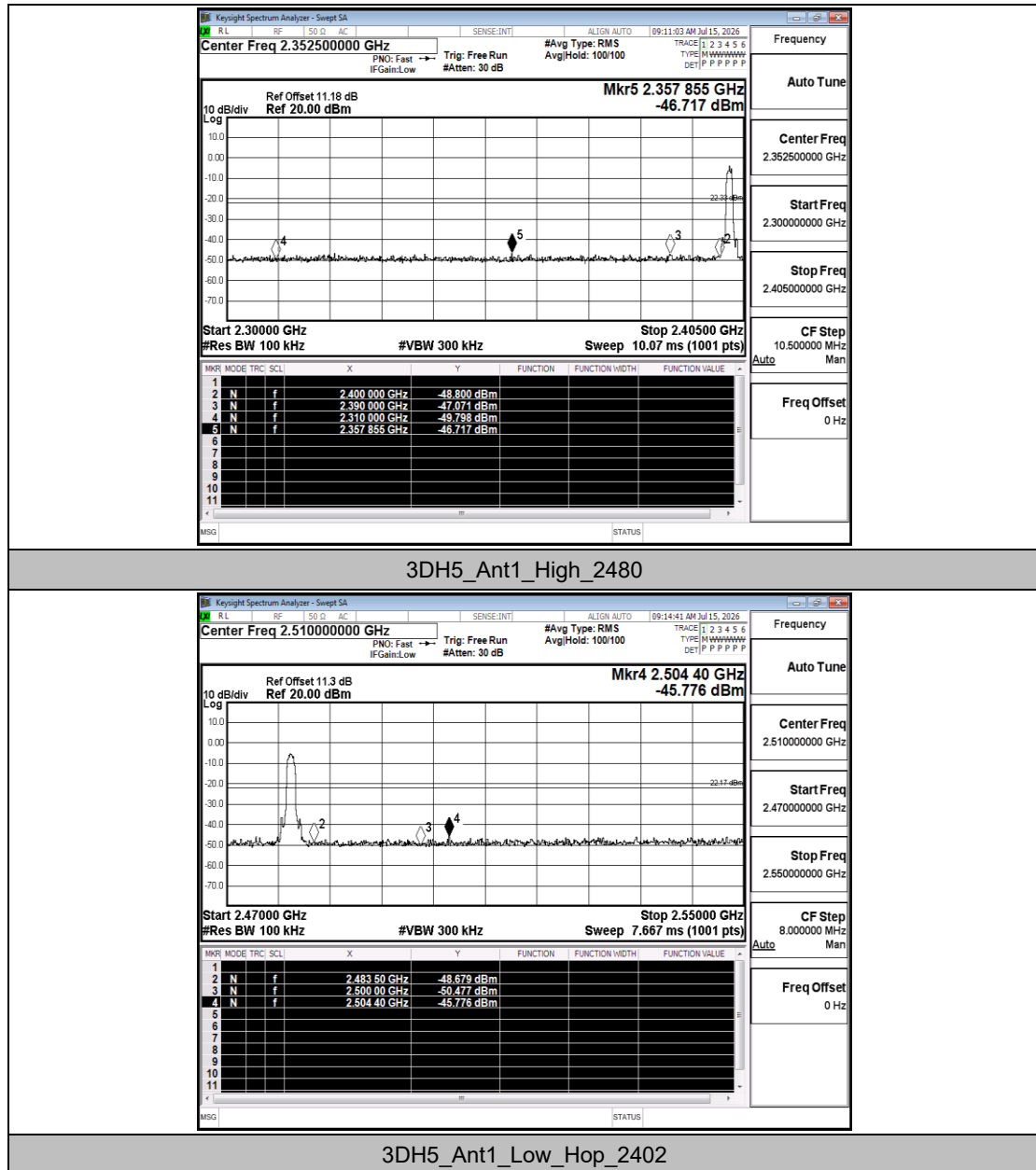
Test Graphs

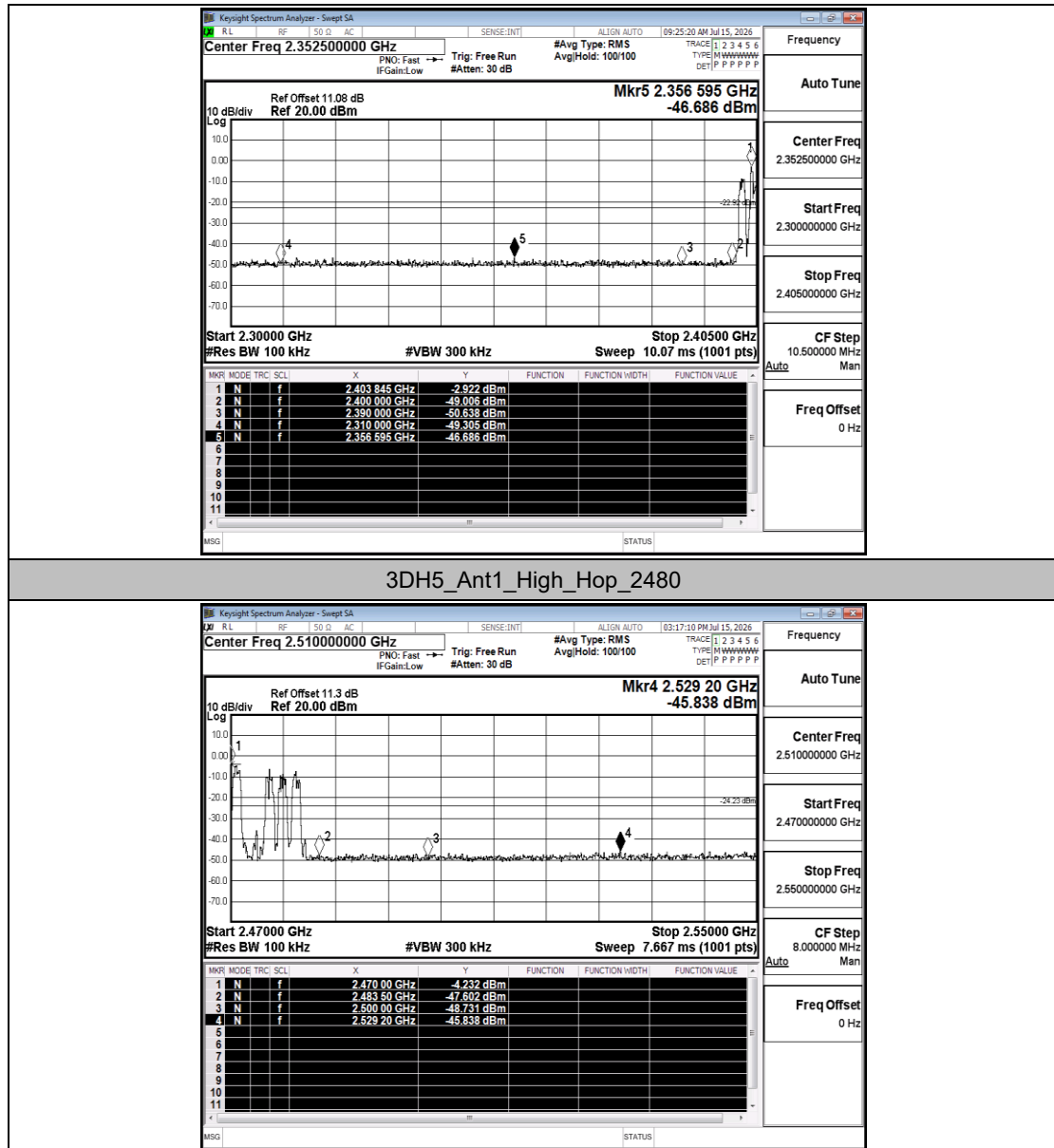












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.22	-2.22	---	PASS
			30~1000	-2.22	-69.57	≤-22.22	PASS
			1000~26500	-2.22	-32.32	≤-22.22	PASS
		2441	Reference	-2.76	-2.76	---	PASS
			30~1000	-2.76	-69.63	≤-22.76	PASS
			1000~26500	-2.76	-30.71	≤-22.76	PASS
		2480	Reference	-2.00	-2.00	---	PASS
			30~1000	-2.00	-70.46	≤-22	PASS
			1000~26500	-2.00	-29.38	≤-22	PASS
2DH5	Ant1	2402	Reference	-2.31	-2.31	---	PASS
			30~1000	-2.31	-70.04	≤-22.31	PASS
			1000~26500	-2.31	-36.18	≤-22.31	PASS
		2441	Reference	-2.82	-2.82	---	PASS
			30~1000	-2.82	-69.8	≤-22.82	PASS
			1000~26500	-2.82	-34.07	≤-22.82	PASS
		2480	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-69.91	≤-22.08	PASS
			1000~26500	-2.08	-34.49	≤-22.08	PASS
3DH5	Ant1	2402	Reference	-2.32	-2.32	---	PASS
			30~1000	-2.32	-69.58	≤-22.32	PASS
			1000~26500	-2.32	-35.13	≤-22.32	PASS
		2441	Reference	-2.85	-2.85	---	PASS
			30~1000	-2.85	-69.37	≤-22.85	PASS
			1000~26500	-2.85	-29.13	≤-22.85	PASS
		2480	Reference	-2.09	-2.09	---	PASS
			30~1000	-2.09	-70.04	≤-22.09	PASS
			1000~26500	-2.09	-34.27	≤-22.09	PASS

Test Graphs

