

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet

Test Model: H9190L

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

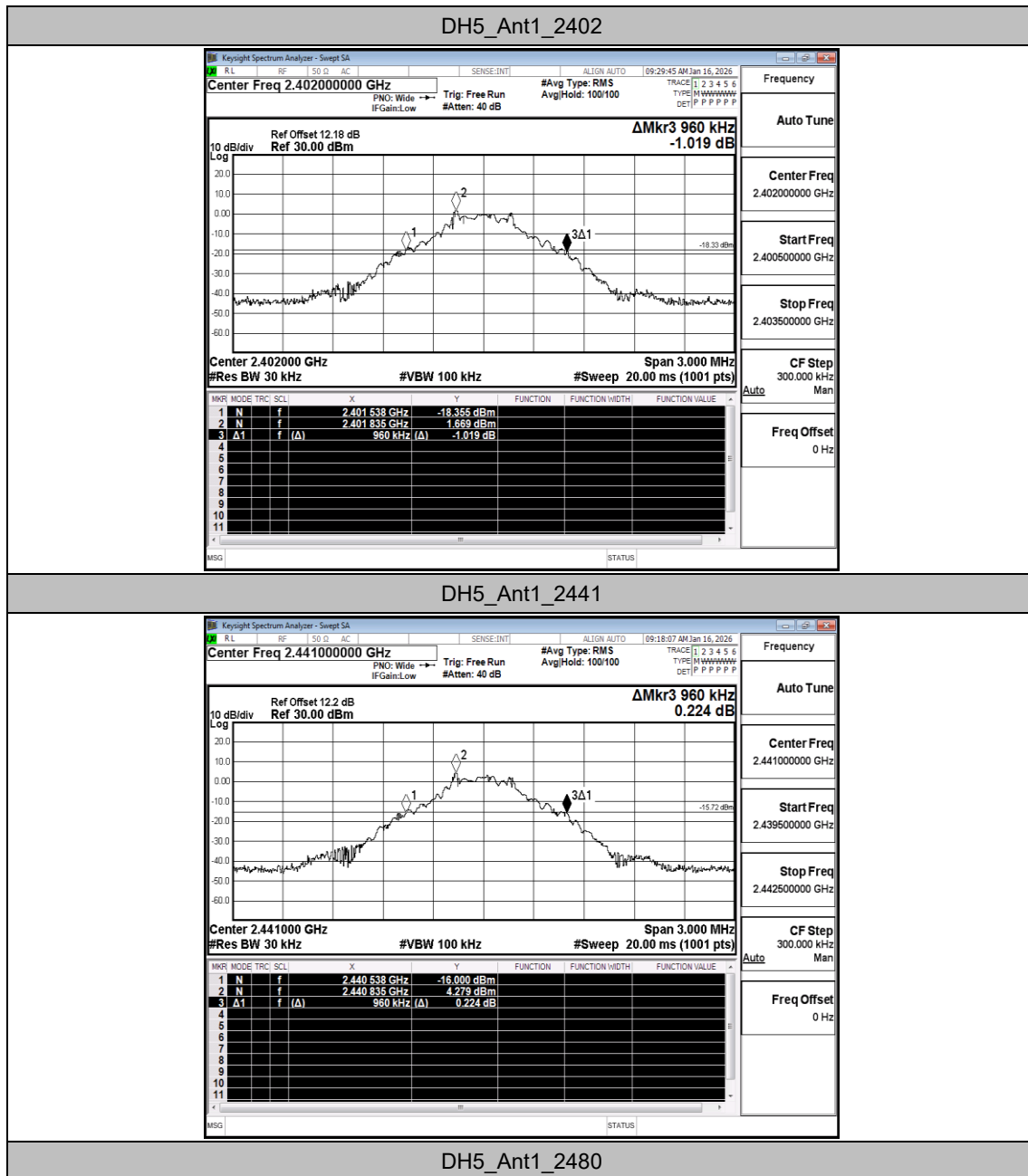
A.1 20dB Emission Bandwidth

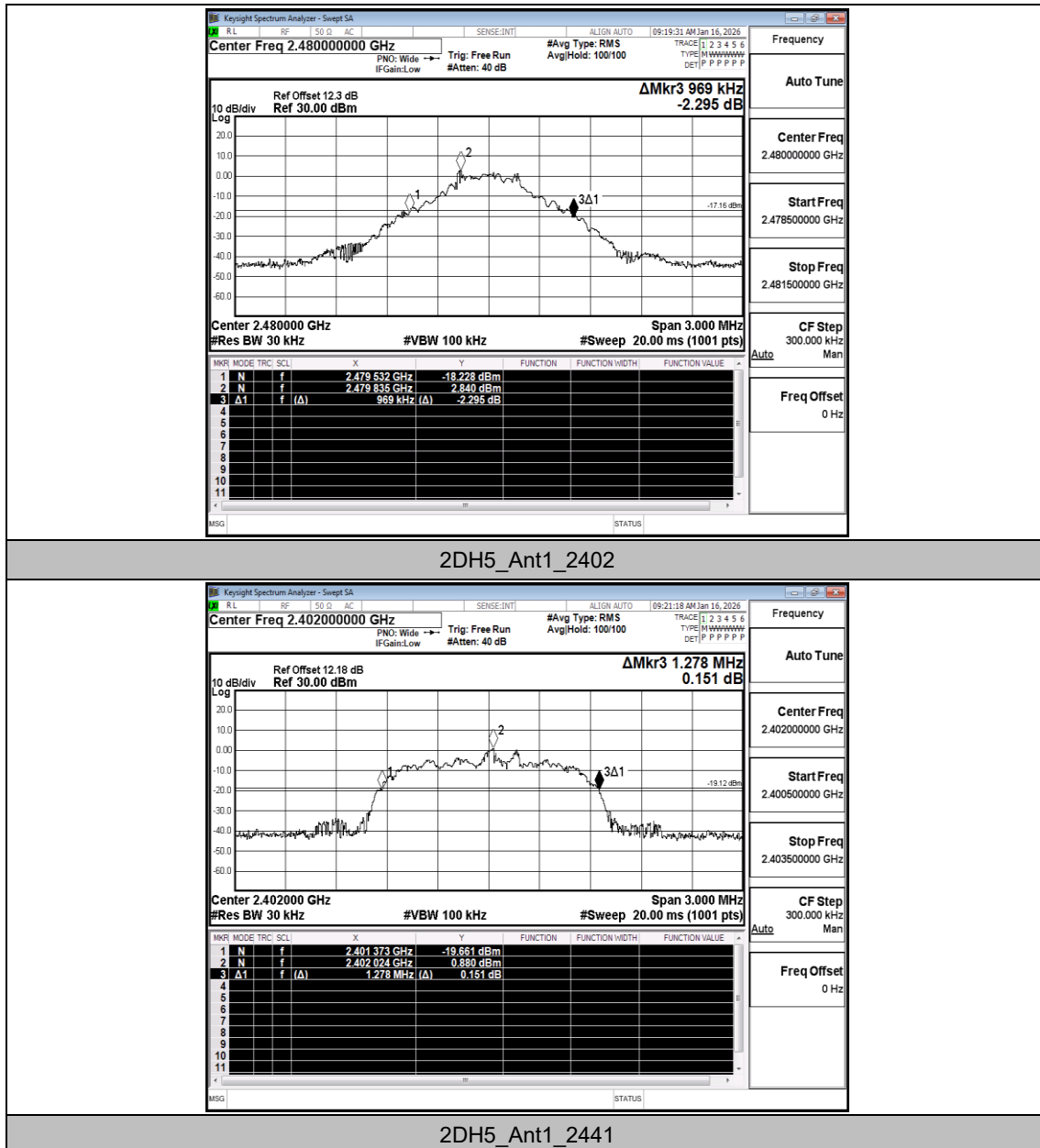
Test Result

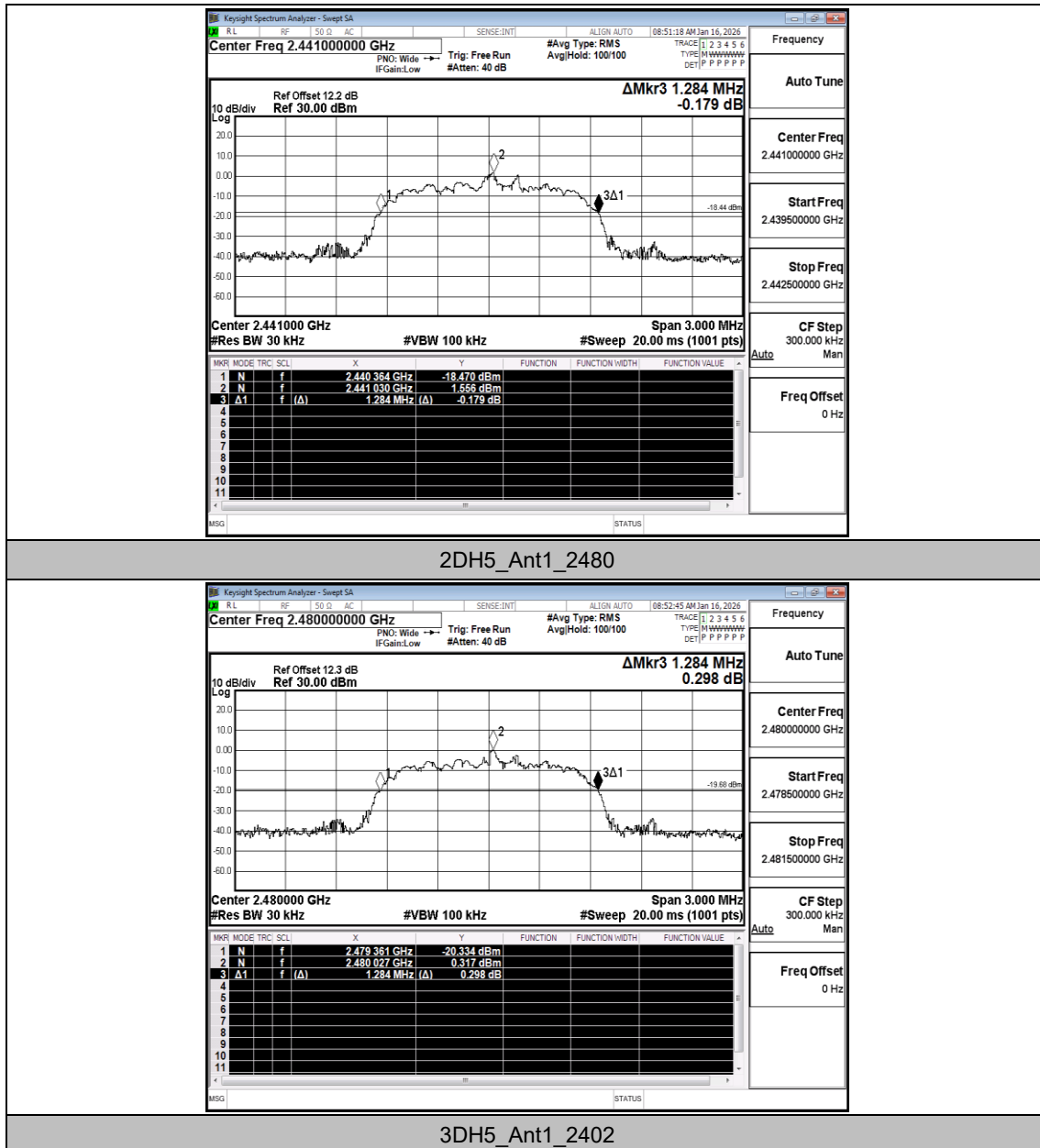
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.538	2402.498	---	---
		2441	0.960	2440.538	2441.498	---	---
		2480	0.969	2479.532	2480.501	---	---
2DH5	Ant1	2402	1.278	2401.373	2402.651	---	---
		2441	1.284	2440.364	2441.648	---	---
		2480	1.284	2479.361	2480.645	---	---
3DH5	Ant1	2402	1.284	2401.352	2402.636	---	---
		2441	1.278	2440.349	2441.627	---	---
		2480	1.287	2479.349	2480.636	---	---

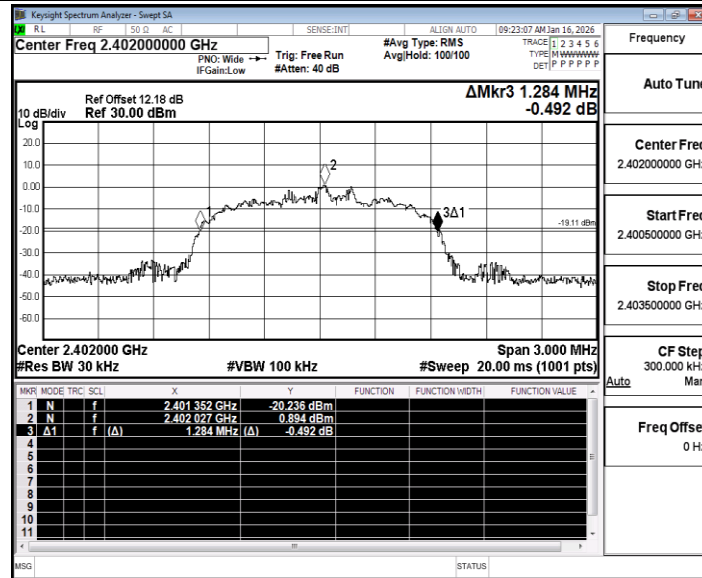
Note: offset=System attenuation +caval loss

Test Graphs

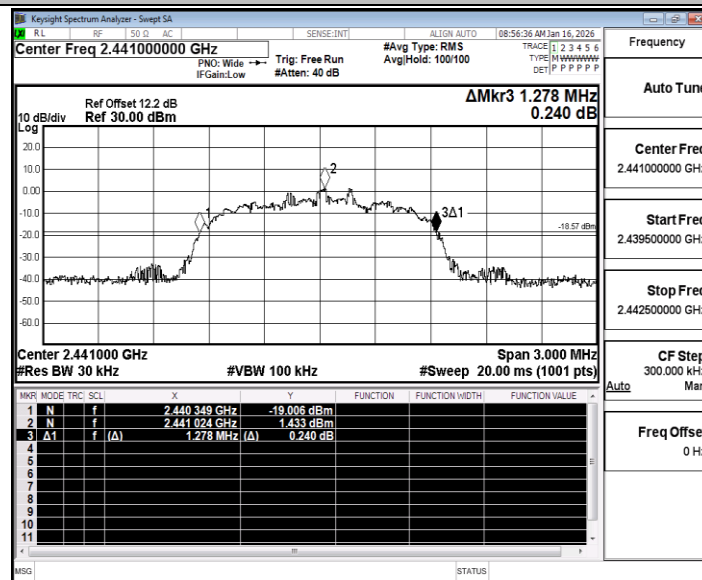




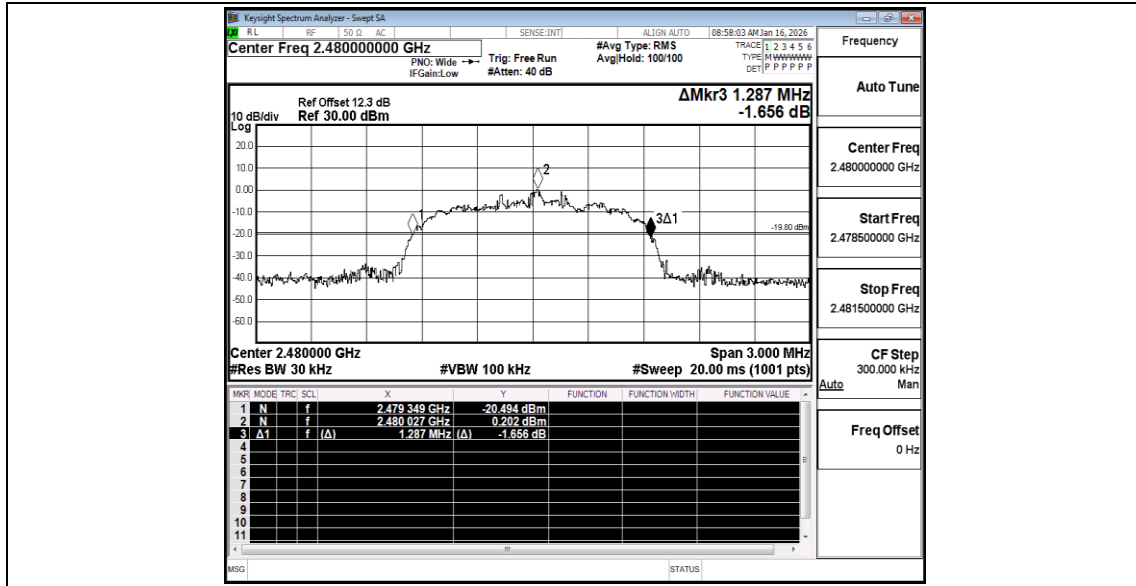




3DH5_Ant1_2441



3DH5_Ant1_2480



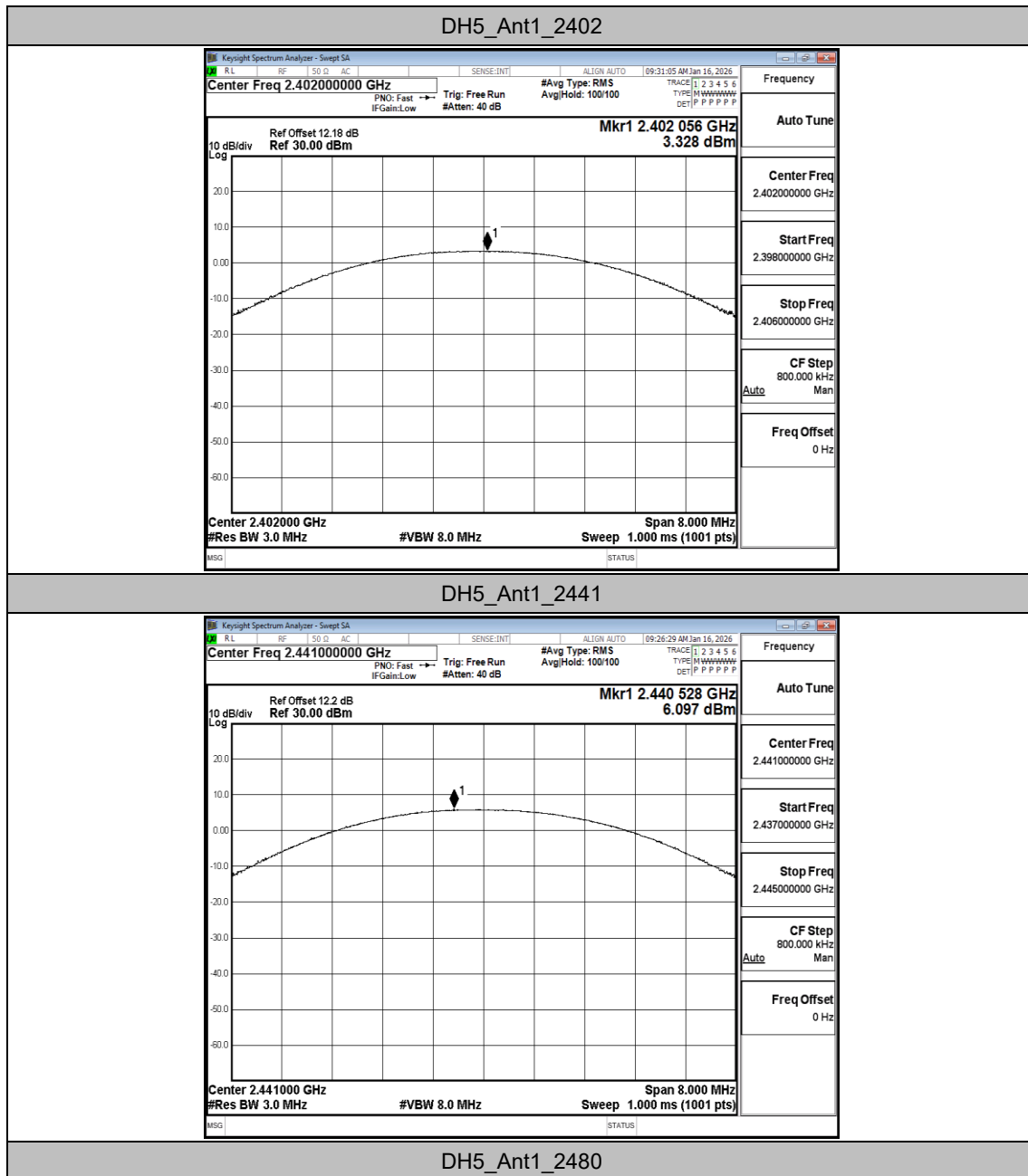
A.2 Maximum Peak conducted output power

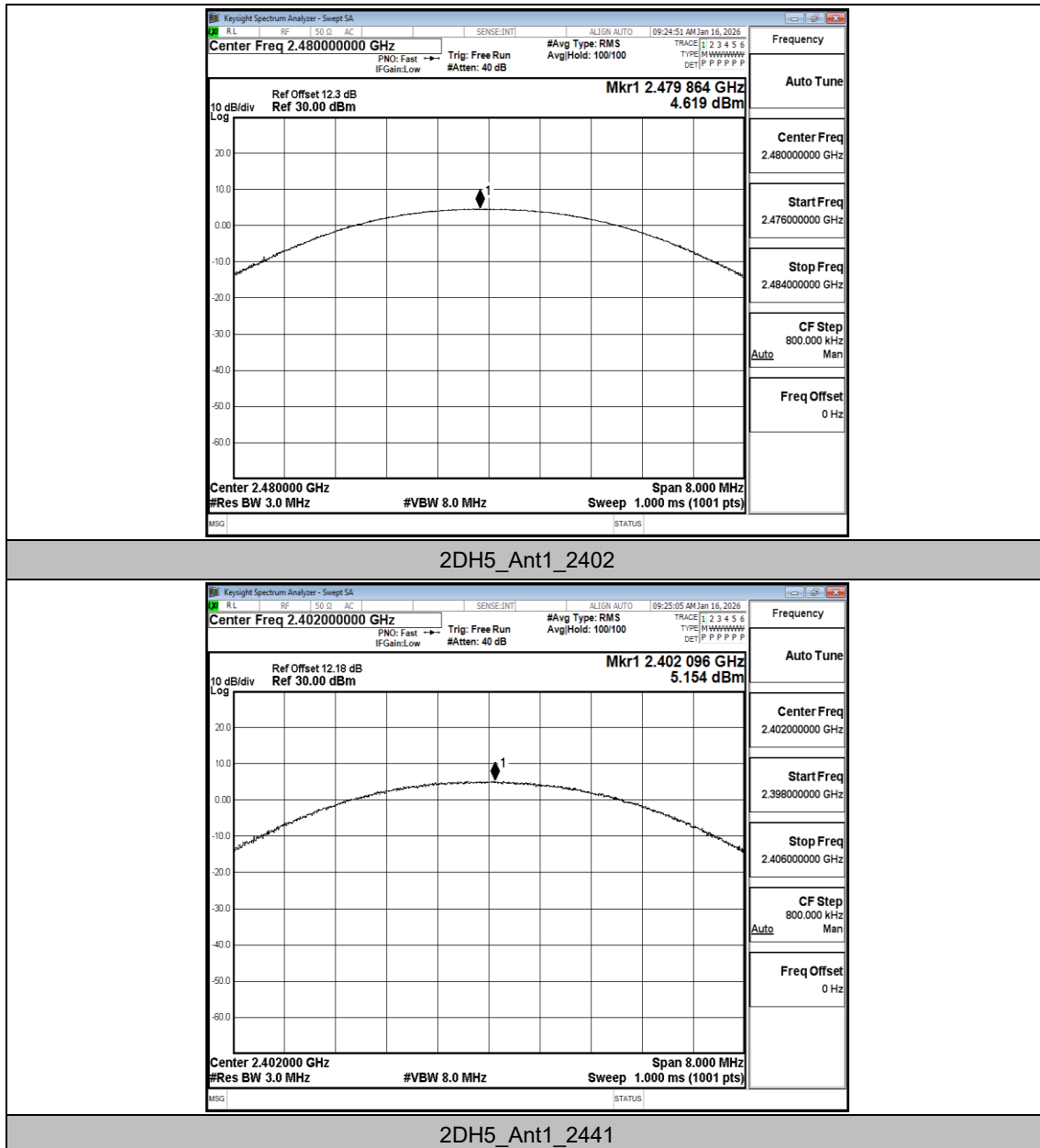
Test Result Peak

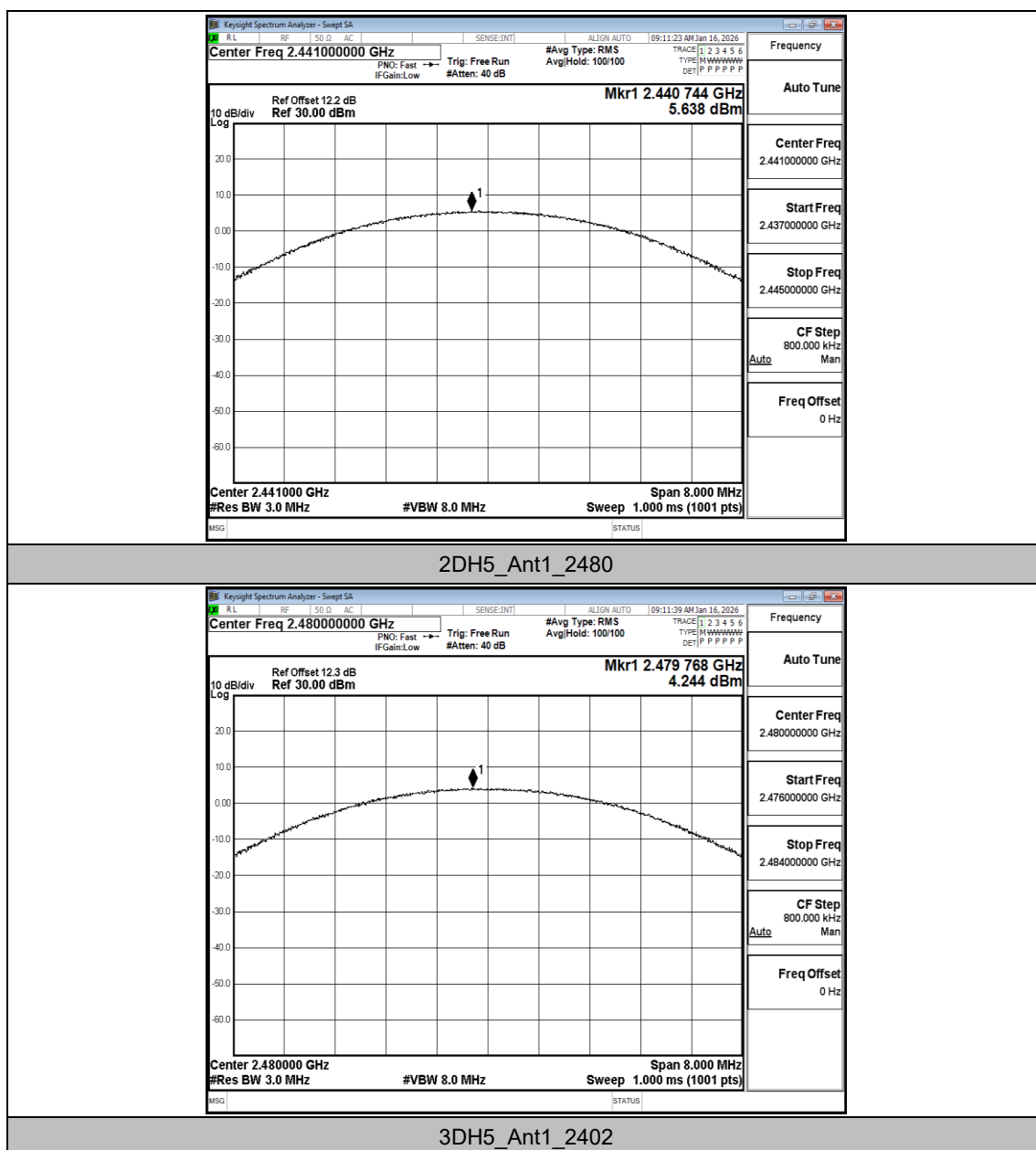
Test Mode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.33	≤30	PASS
		2441	6.10	≤30	PASS
		2480	4.62	≤30	PASS
2DH5	Ant1	2402	5.15	≤20.97	PASS
		2441	5.64	≤20.97	PASS
		2480	4.24	≤20.97	PASS
3DH5	Ant1	2402	5.55	≤30	PASS
		2441	5.88	≤30	PASS
		2480	4.61	≤30	PASS

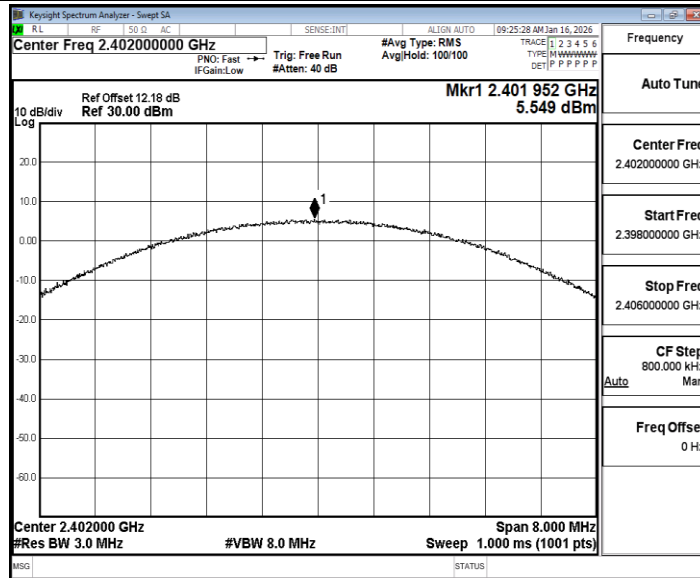
Note: offset=System attenuation +cable loss

Test Graphs

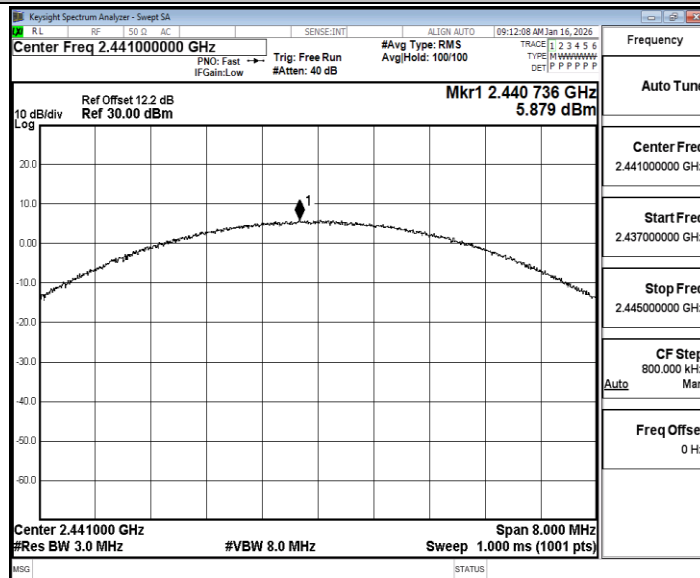




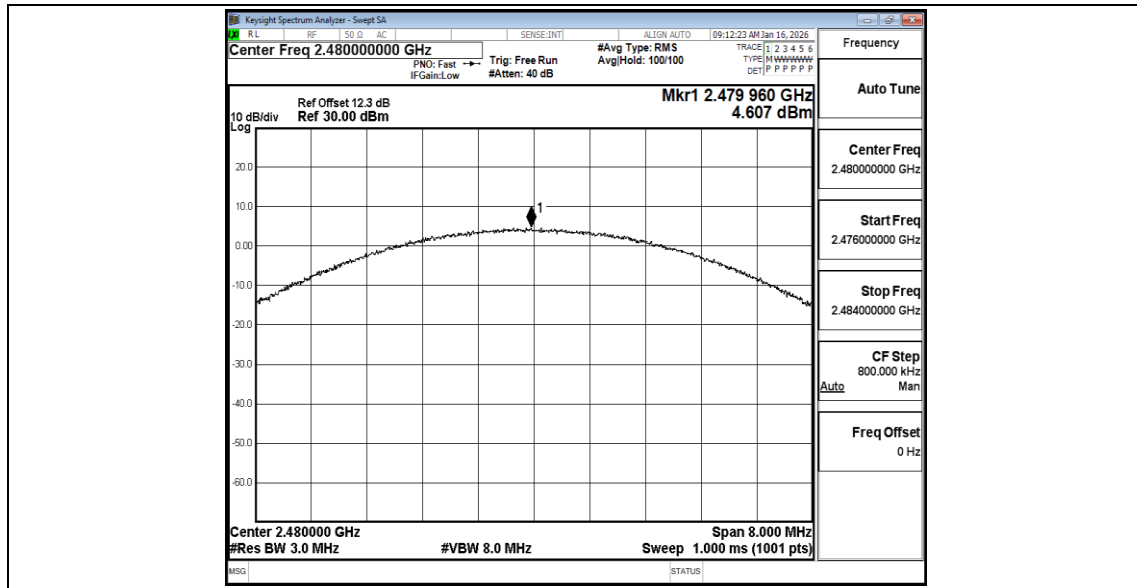




3DH5_Ant1_2441



3DH5_Ant1_2480



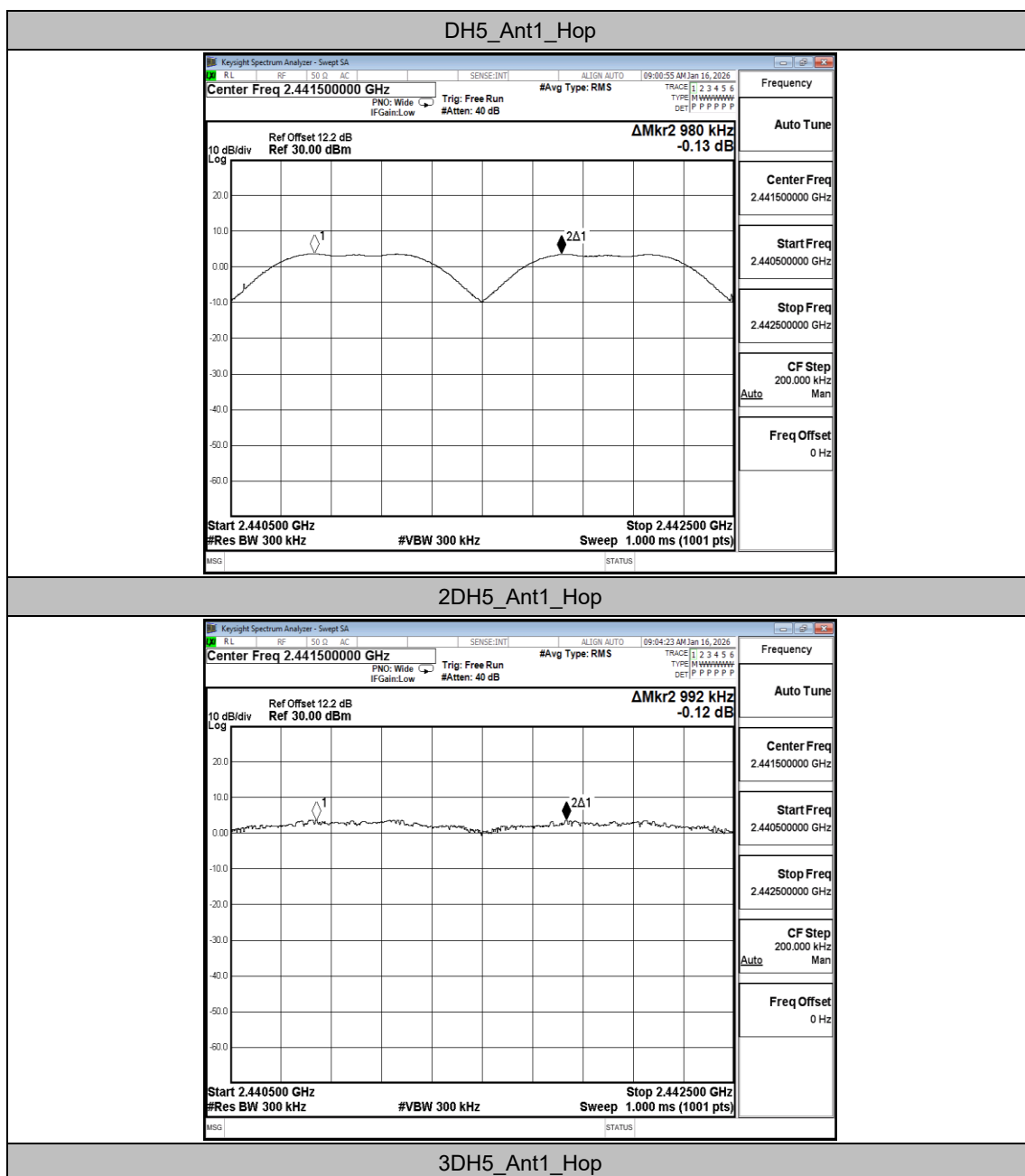
A.3 Carrier frequency separation

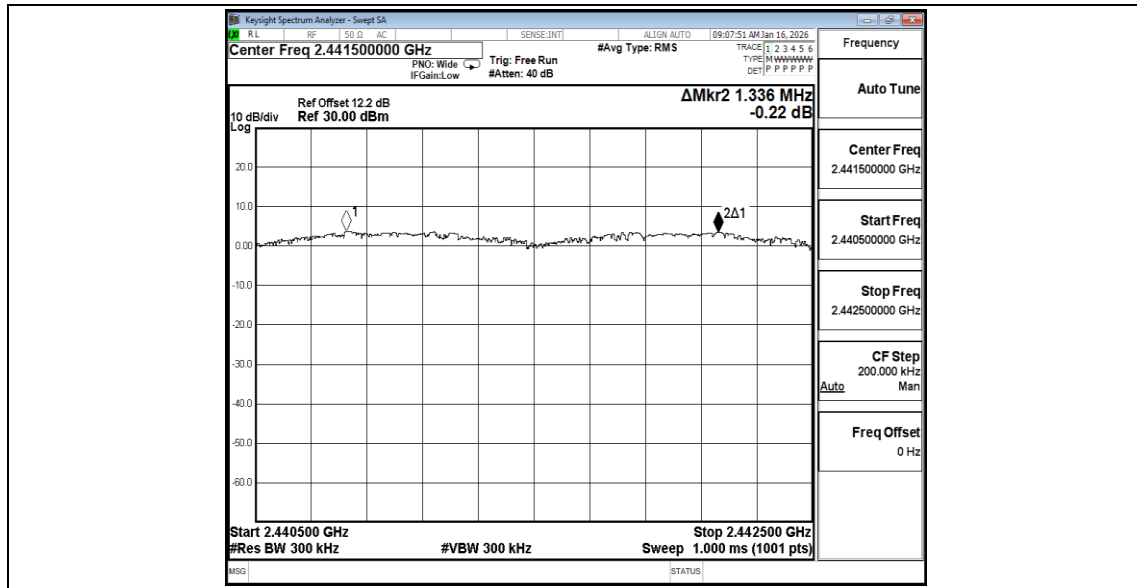
Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.98	≥ 0.646	PASS
2DH5	Ant1	Hop	0.992	≥ 0.856	PASS
3DH5	Ant1	Hop	1.336	≥ 0.858	PASS

Note: offset=System attenuation +cable loss

Test Graphs





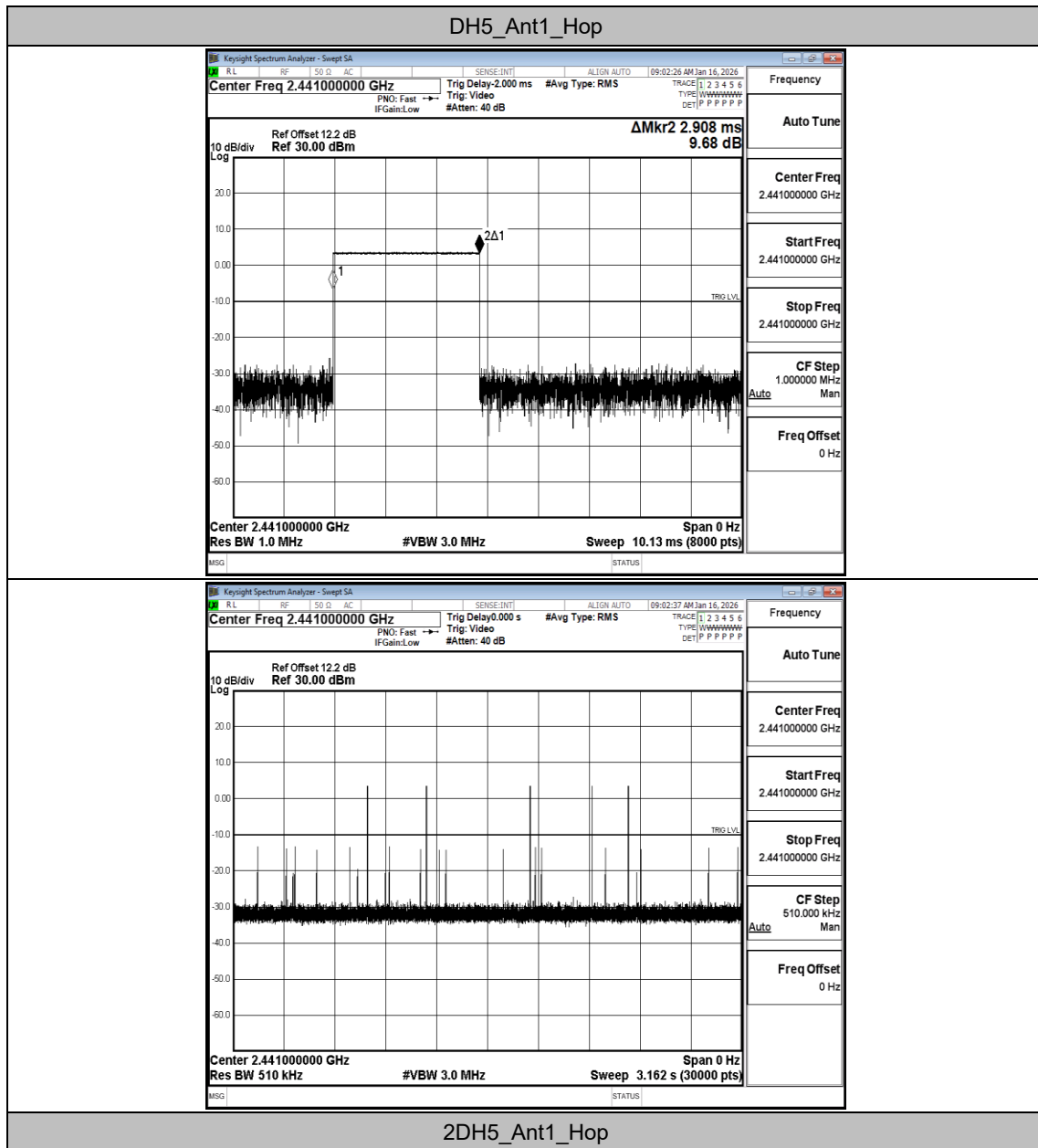
A.4 Time of occupancy

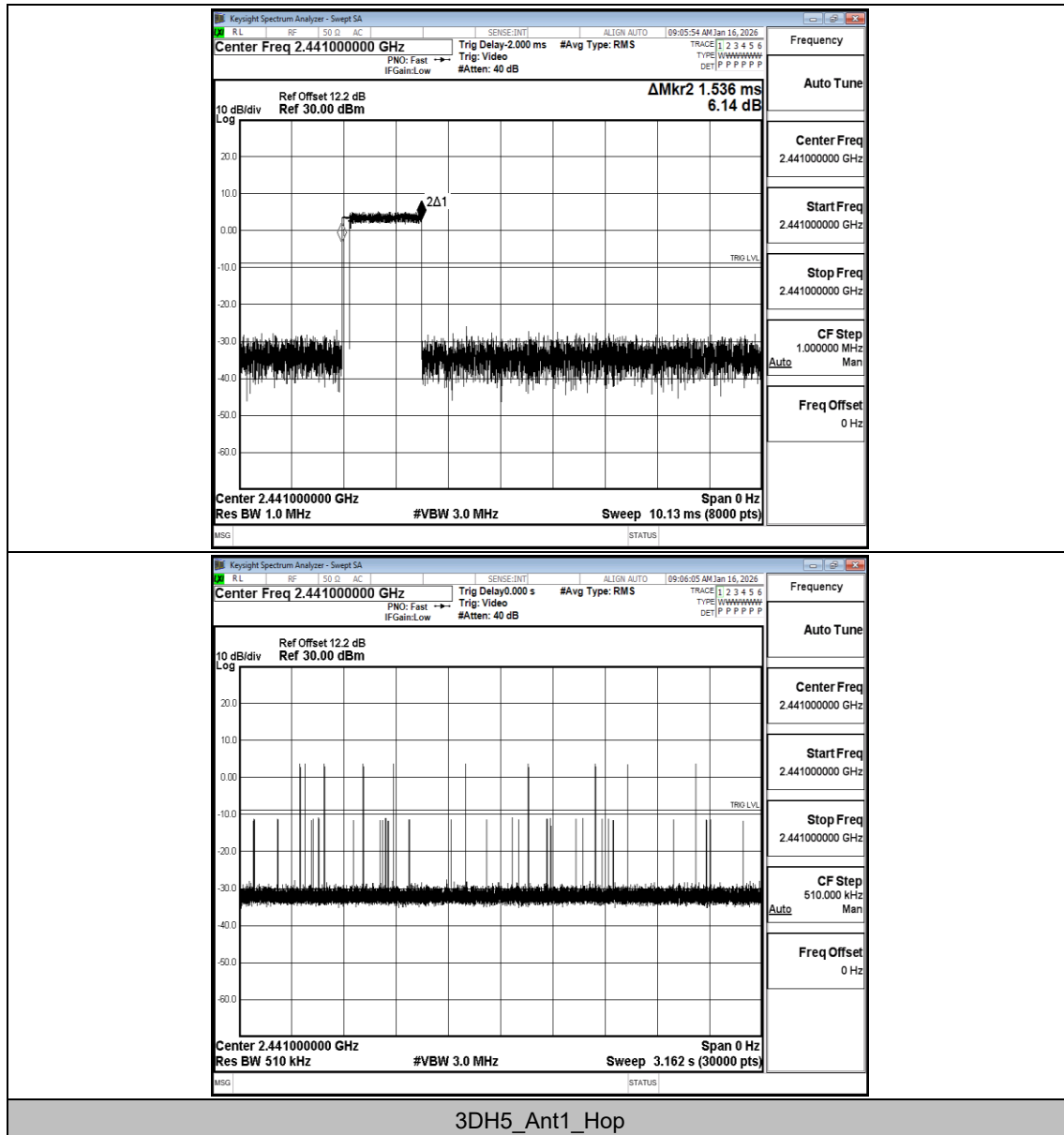
Test Result

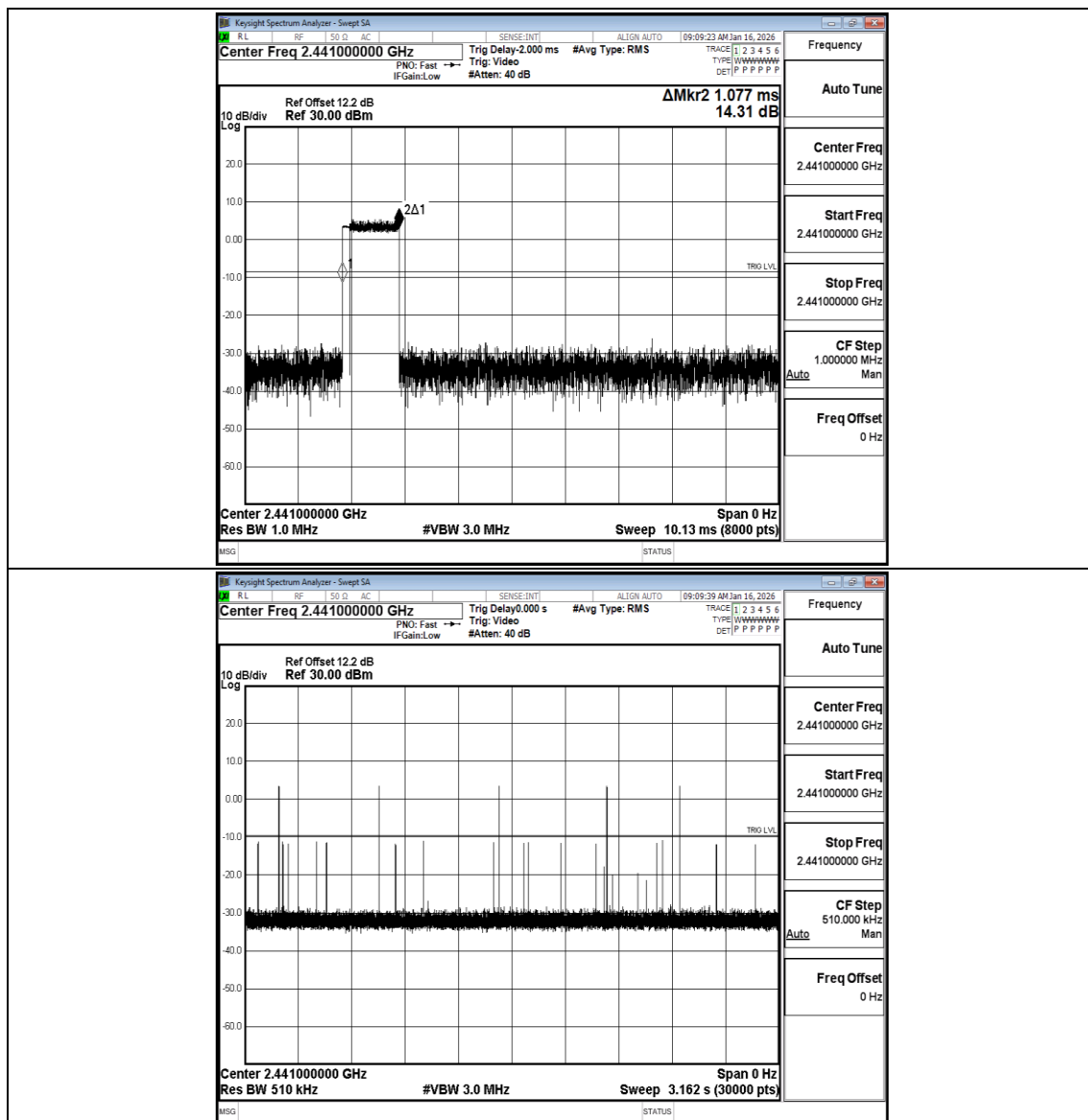
TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	60	0.174	≤0.4	PASS
2DH5	Ant1	Hop	1.536	110	0.169	≤0.4	PASS
3DH5	Ant1	Hop	1.077	70	0.075	≤0.4	PASS

Note: offset=System attenuation +cabal loss

Test Graphs







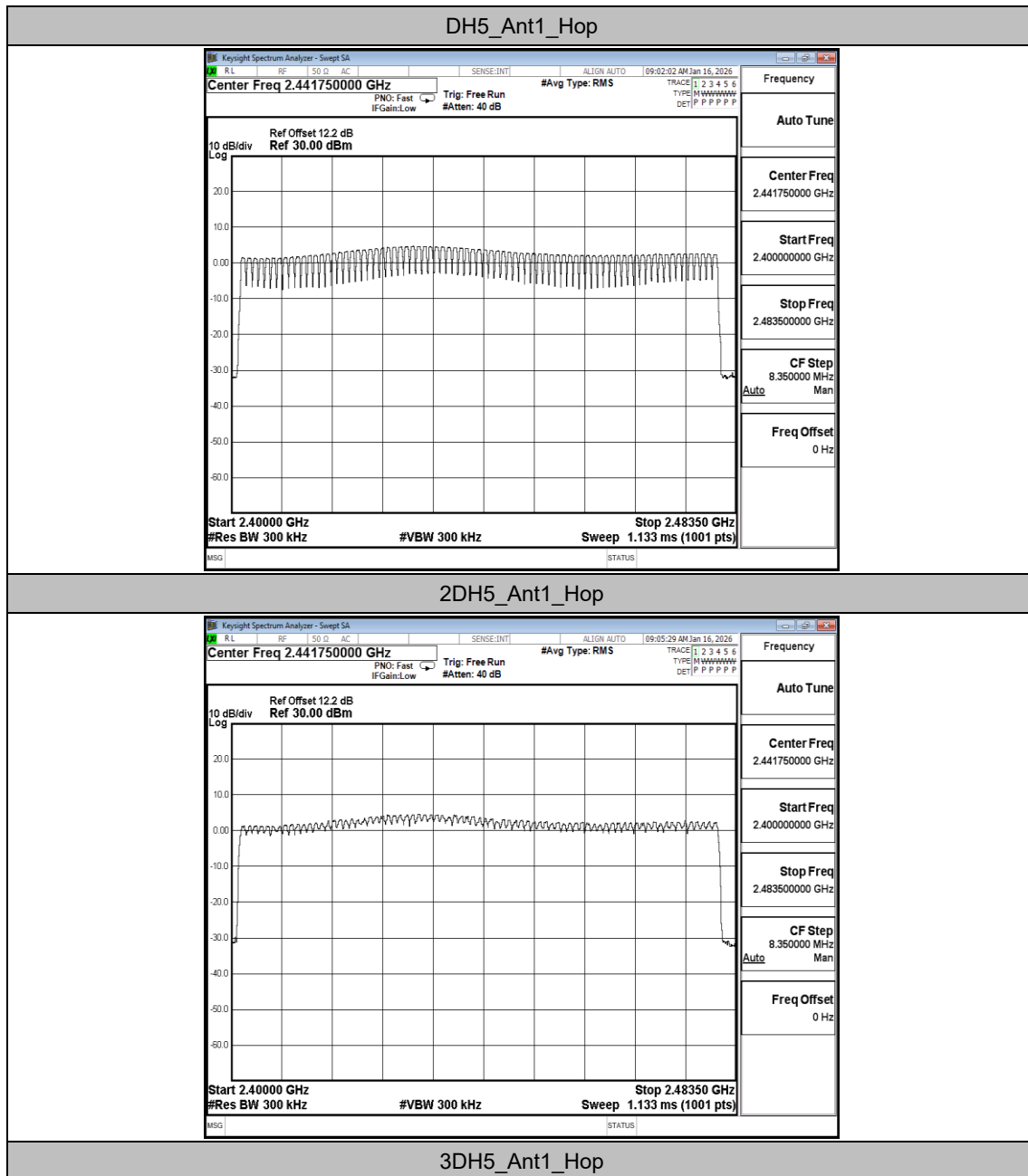
A.5 Number of hopping channels

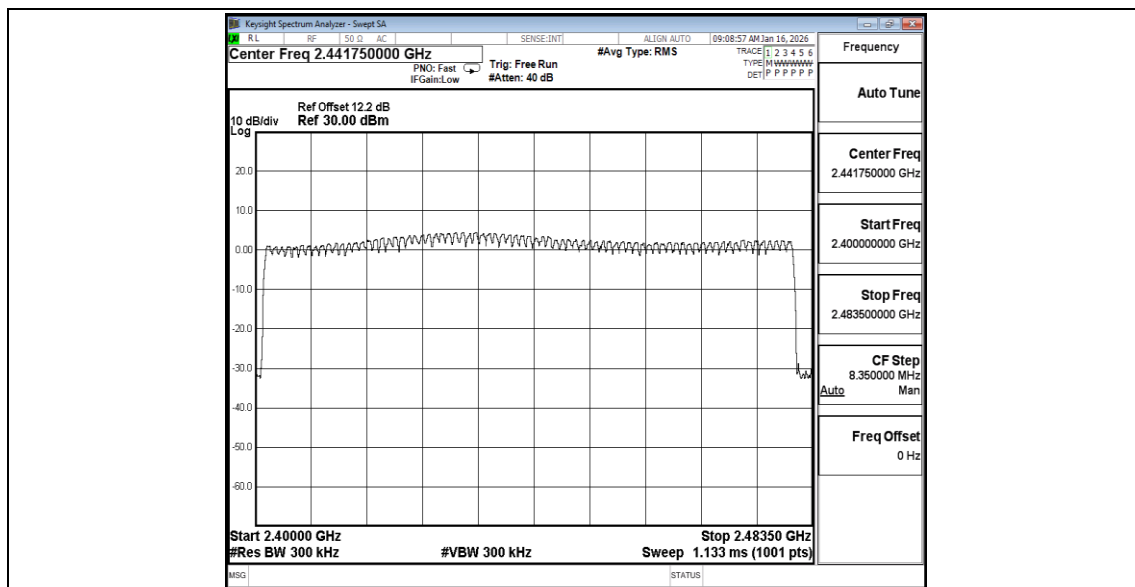
Test Result

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

Note: offset=System attenuation +cable loss

Test Graphs





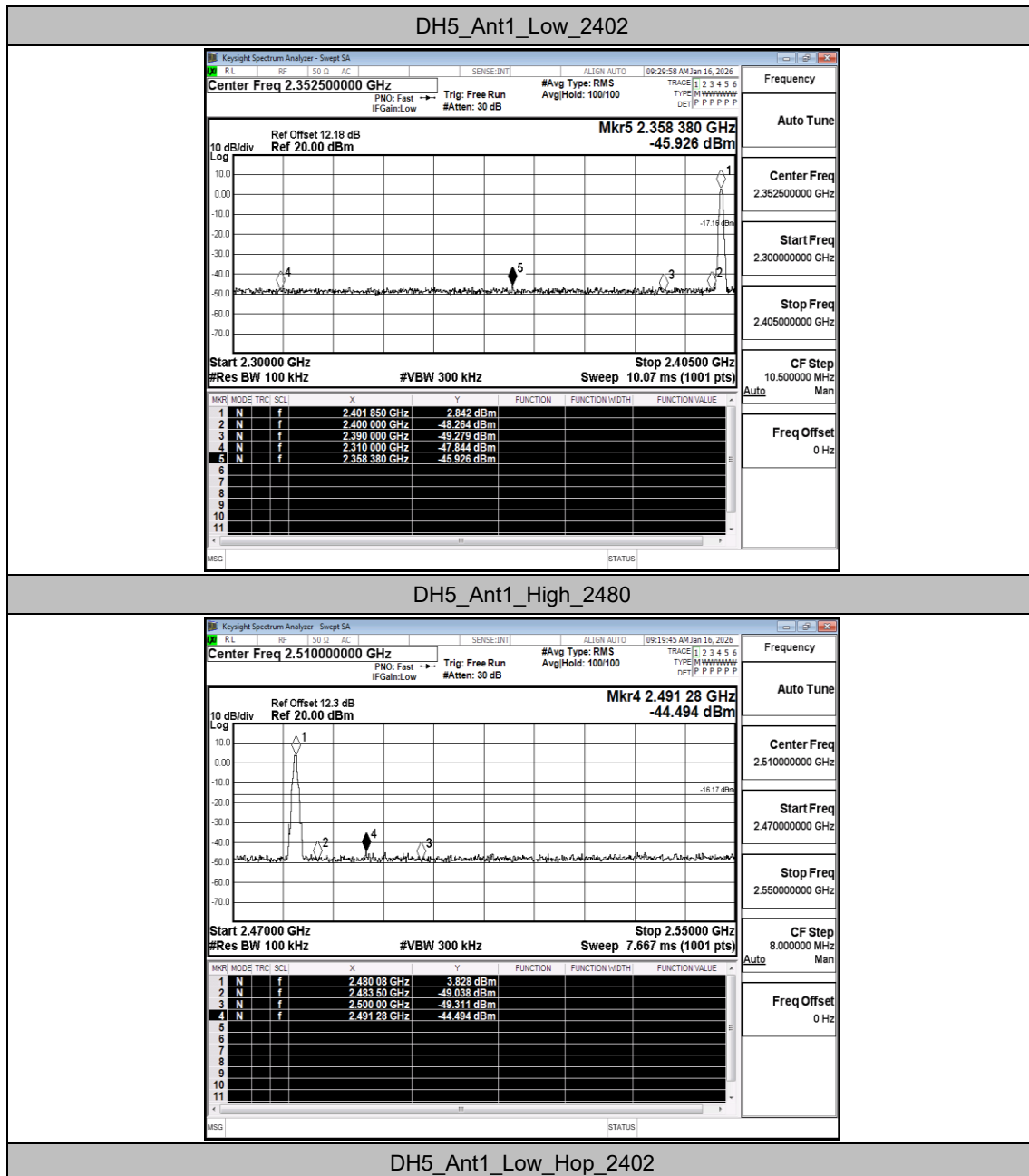
A.6 Band edge measurements

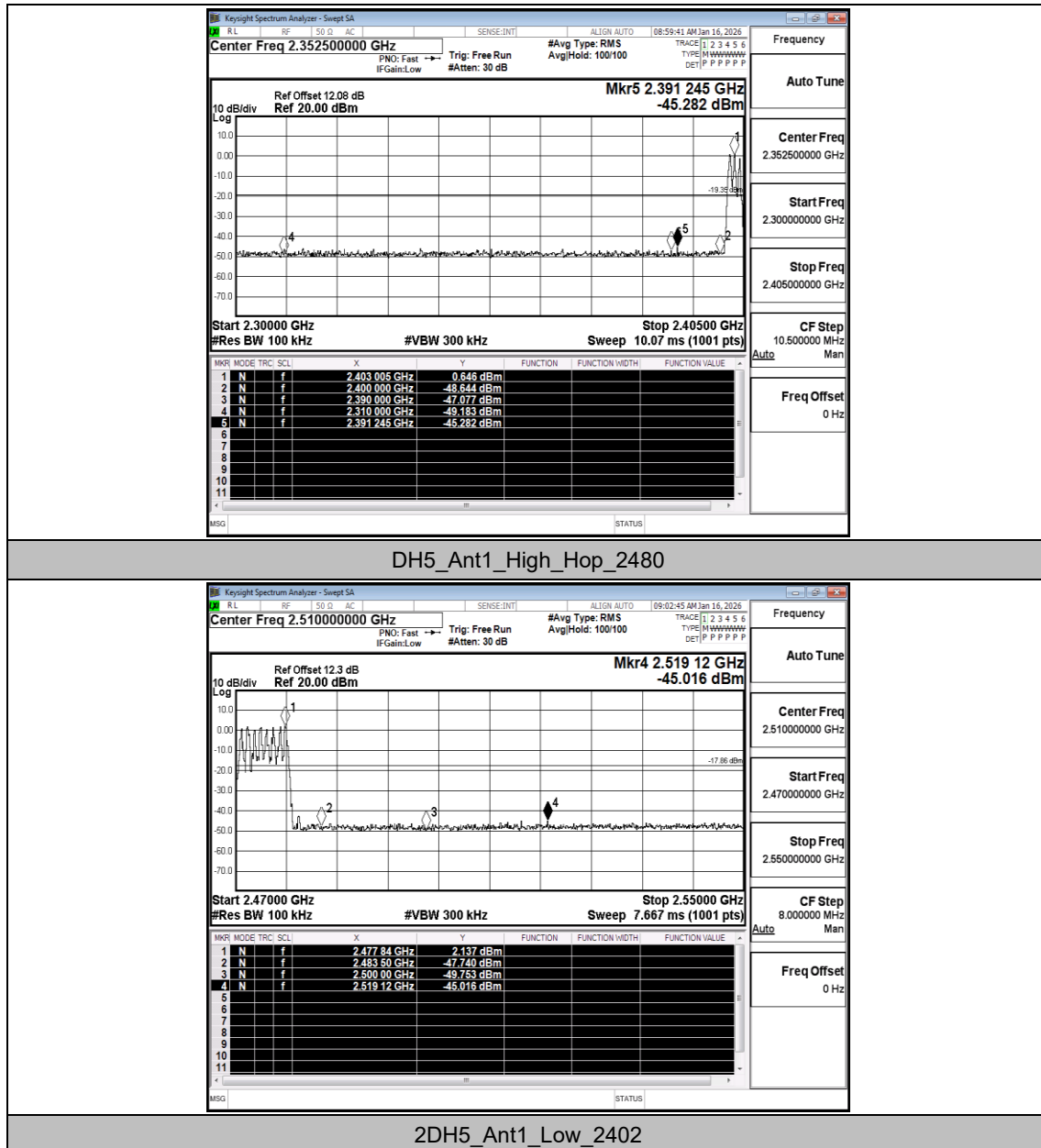
Test Result

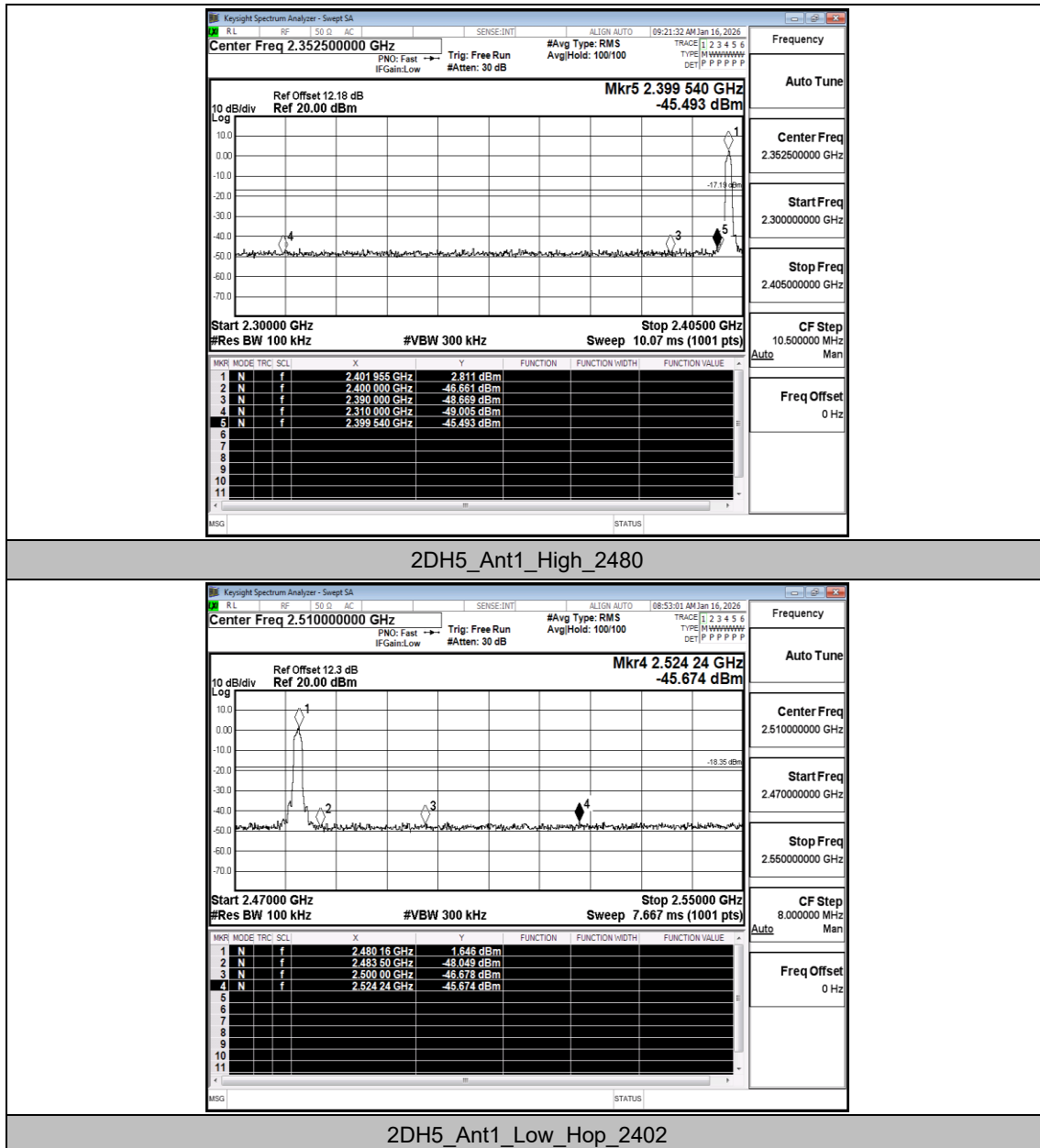
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.84	-45.93	≤-17.16	PASS
		High	2480	3.83	-44.49	≤-16.17	PASS
		Low	Hop_2402	0.65	-45.28	≤-19.35	PASS
		High	Hop_2480	2.14	-45.02	≤-17.86	PASS
2DH5	Ant1	Low	2402	2.81	-45.49	≤-17.19	PASS
		High	2480	1.65	-45.67	≤-18.35	PASS
		Low	Hop_2402	-5.70	-45.83	≤-25.7	PASS
		High	Hop_2480	-0.58	-44.8	≤-20.58	PASS
3DH5	Ant1	Low	2402	2.35	-44.25	≤-17.65	PASS
		High	2480	0.82	-44.19	≤-19.18	PASS
		Low	Hop_2402	-2.90	-44.65	≤-22.9	PASS
		High	Hop_2480	0.26	-45.11	≤-19.74	PASS

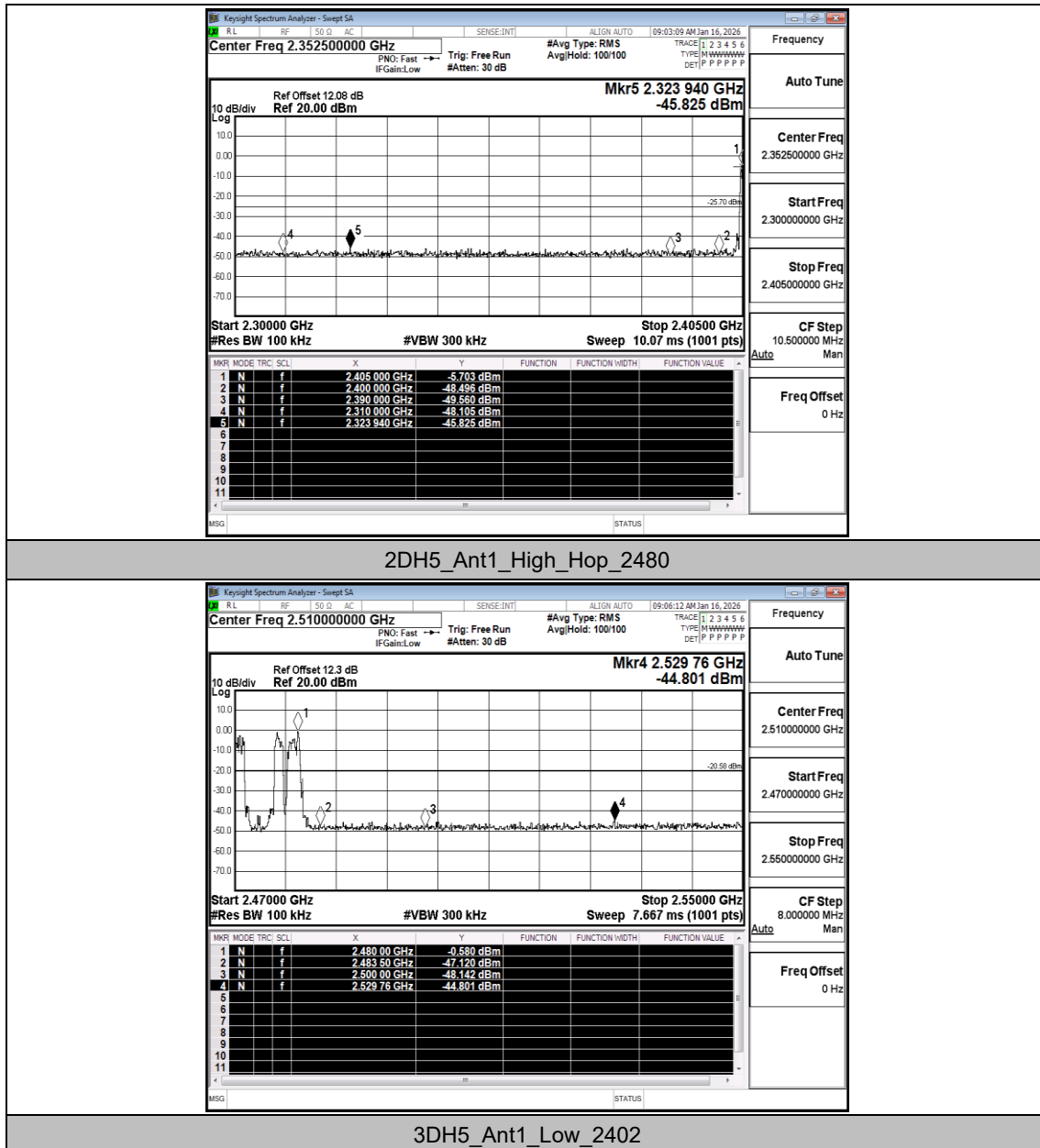
Note: offset=System attenuation +cabel loss

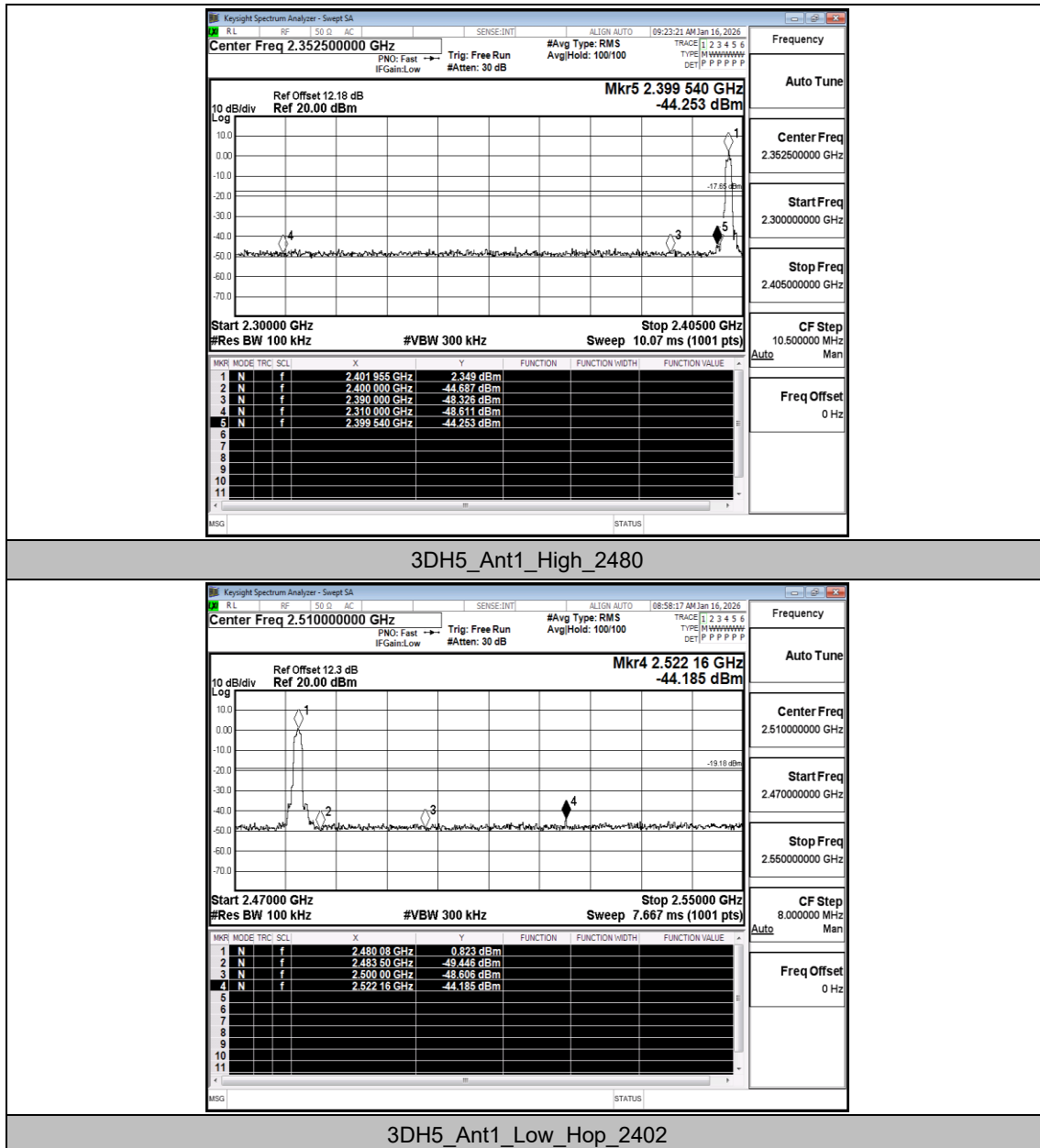
Test Graphs

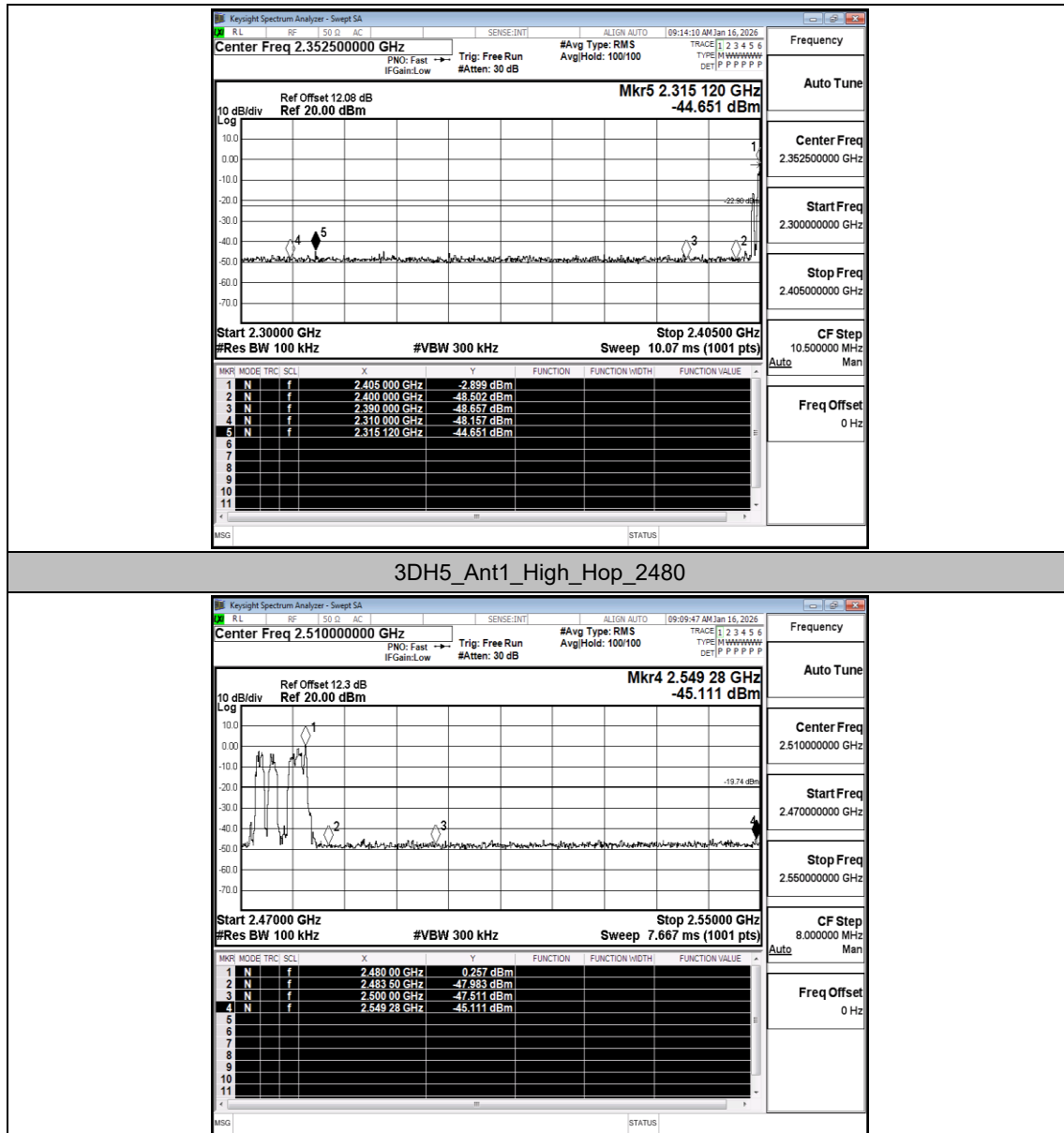












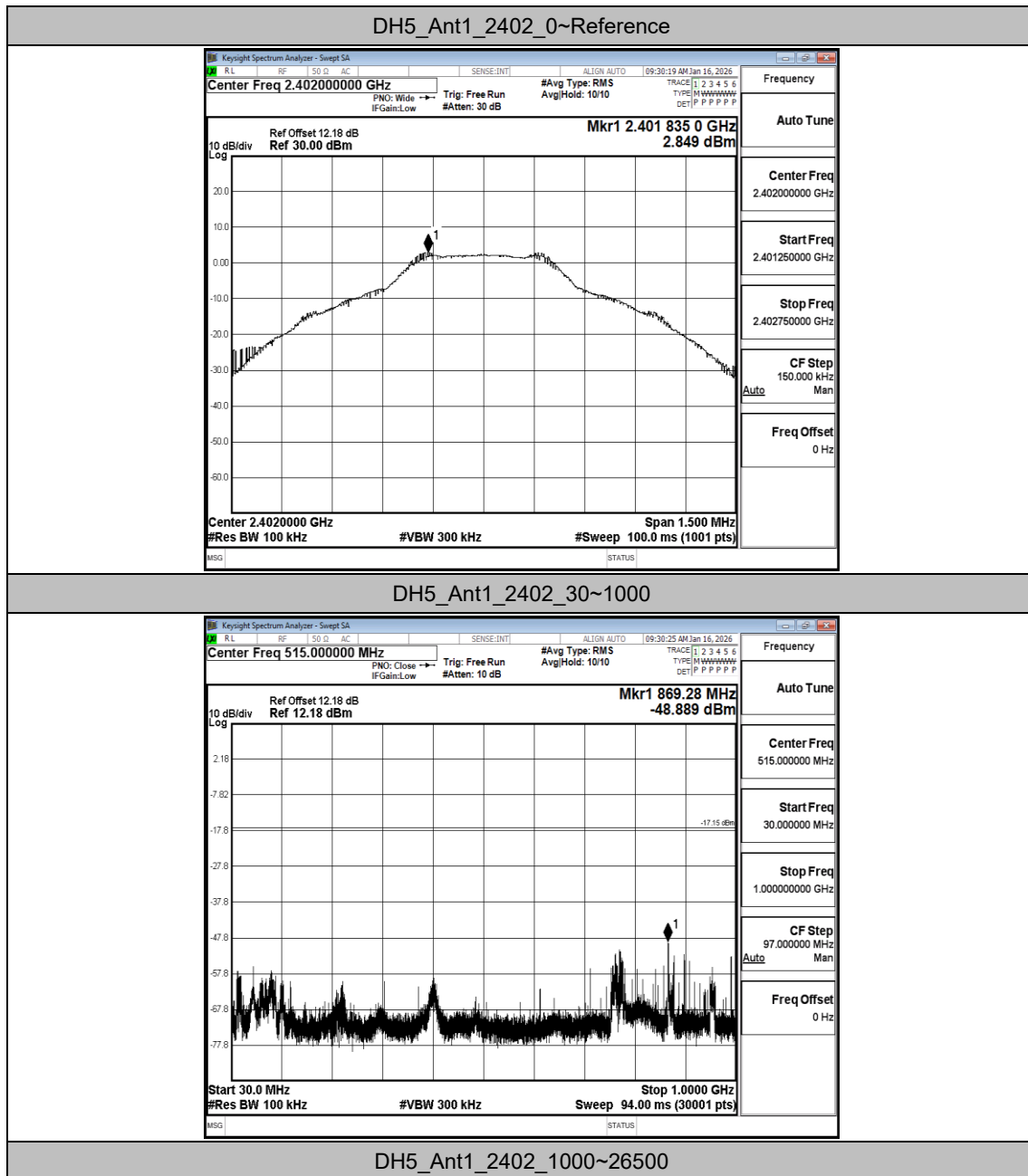
A.7 Conducted Spurious Emission

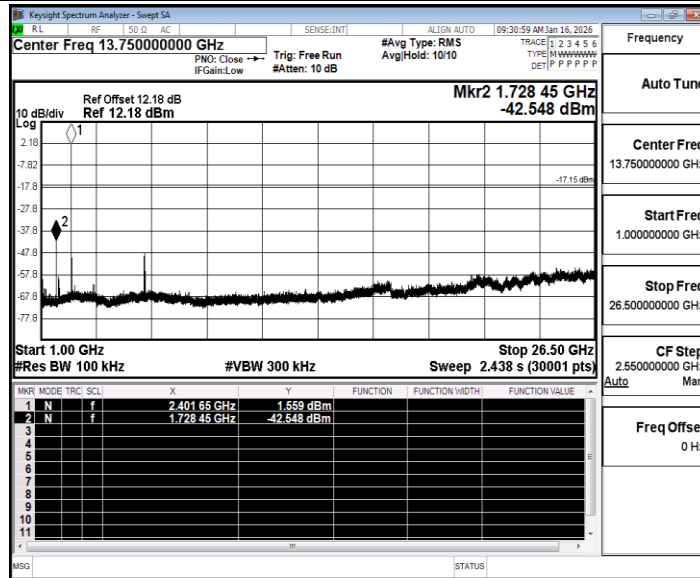
Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-48.89	≤-17.15	PASS
			1000~26500	2.85	-42.55	≤-17.15	PASS
		2441	Reference	5.47	5.47	---	PASS
			30~1000	5.47	-47.84	≤-14.53	PASS
			1000~26500	5.47	-54.36	≤-14.53	PASS
		2480	Reference	4.07	4.07	---	PASS
			30~1000	4.07	-49.07	≤-15.93	PASS
			1000~26500	4.07	-54.2	≤-15.93	PASS
2DH5	Ant1	2402	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-48.4	≤-17.15	PASS
			1000~26500	2.85	-38.26	≤-17.15	PASS
		2441	Reference	3.52	3.52	---	PASS
			30~1000	3.52	-49.13	≤-16.48	PASS
			1000~26500	3.52	-46.91	≤-16.48	PASS
		2480	Reference	2.18	2.18	---	PASS
			30~1000	2.18	-44.18	≤-17.82	PASS
			1000~26500	2.18	-55.06	≤-17.82	PASS
3DH5	Ant1	2402	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-51	≤-17.01	PASS
			1000~26500	2.99	-55.12	≤-17.01	PASS
		2441	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-45.93	≤-16.36	PASS
			1000~26500	3.64	-43.98	≤-16.36	PASS
		2480	Reference	2.29	2.29	---	PASS
			30~1000	2.29	-49.19	≤-17.71	PASS
			1000~26500	2.29	-43.05	≤-17.71	PASS

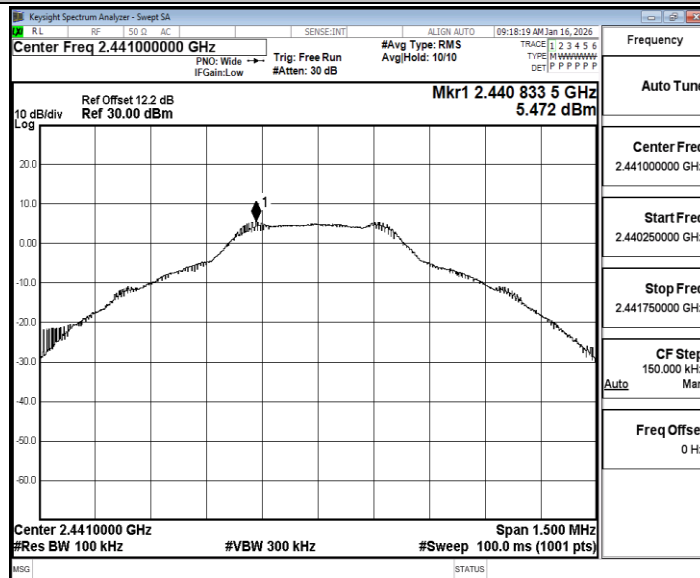
Note: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the CORREC' of the Spectrum Analyzer during the test.

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

