

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: VIBE CD PLAYER

Test Model: CR3506A-WS

Environmental Conditions

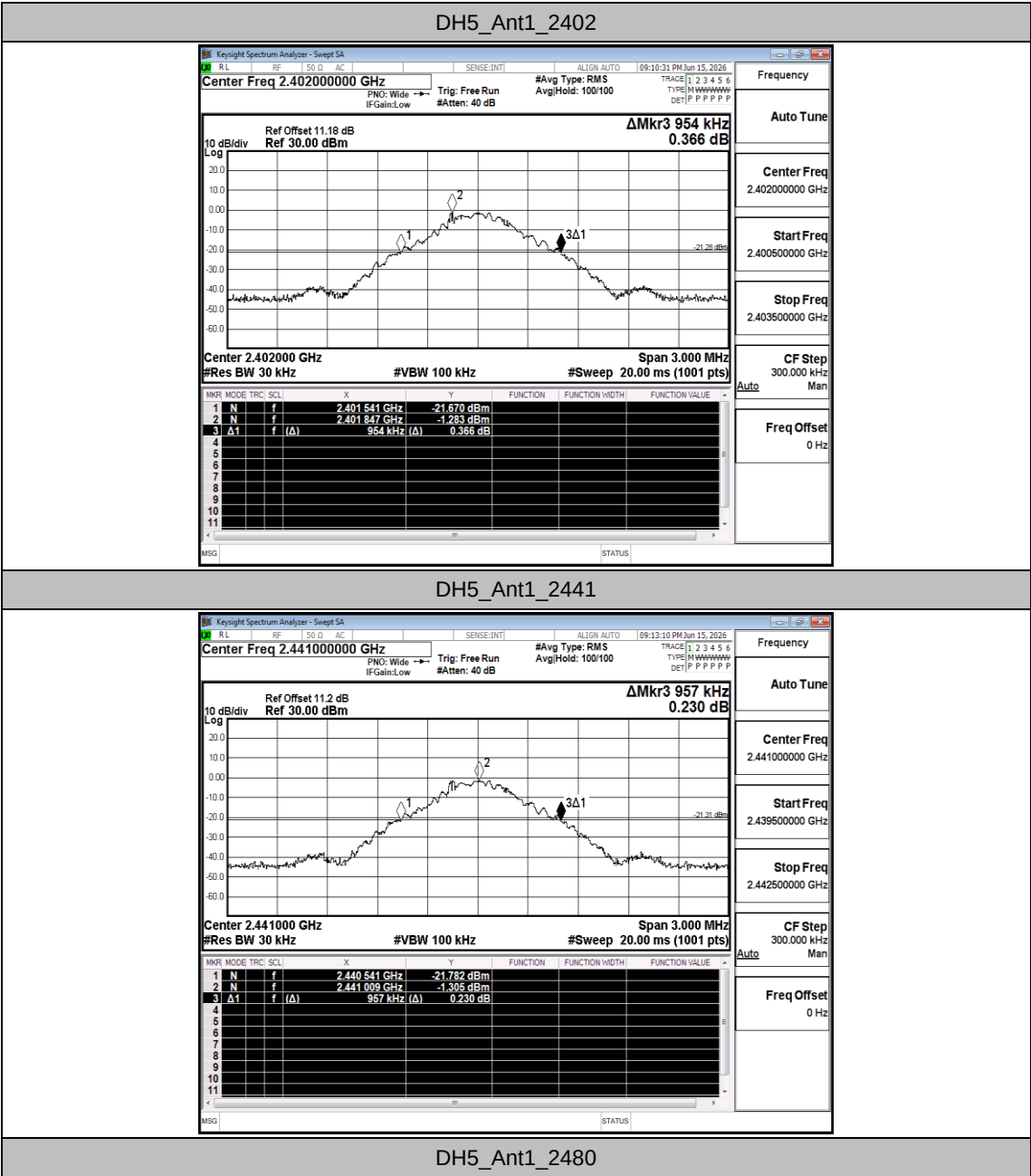
Temperature:	23.2°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

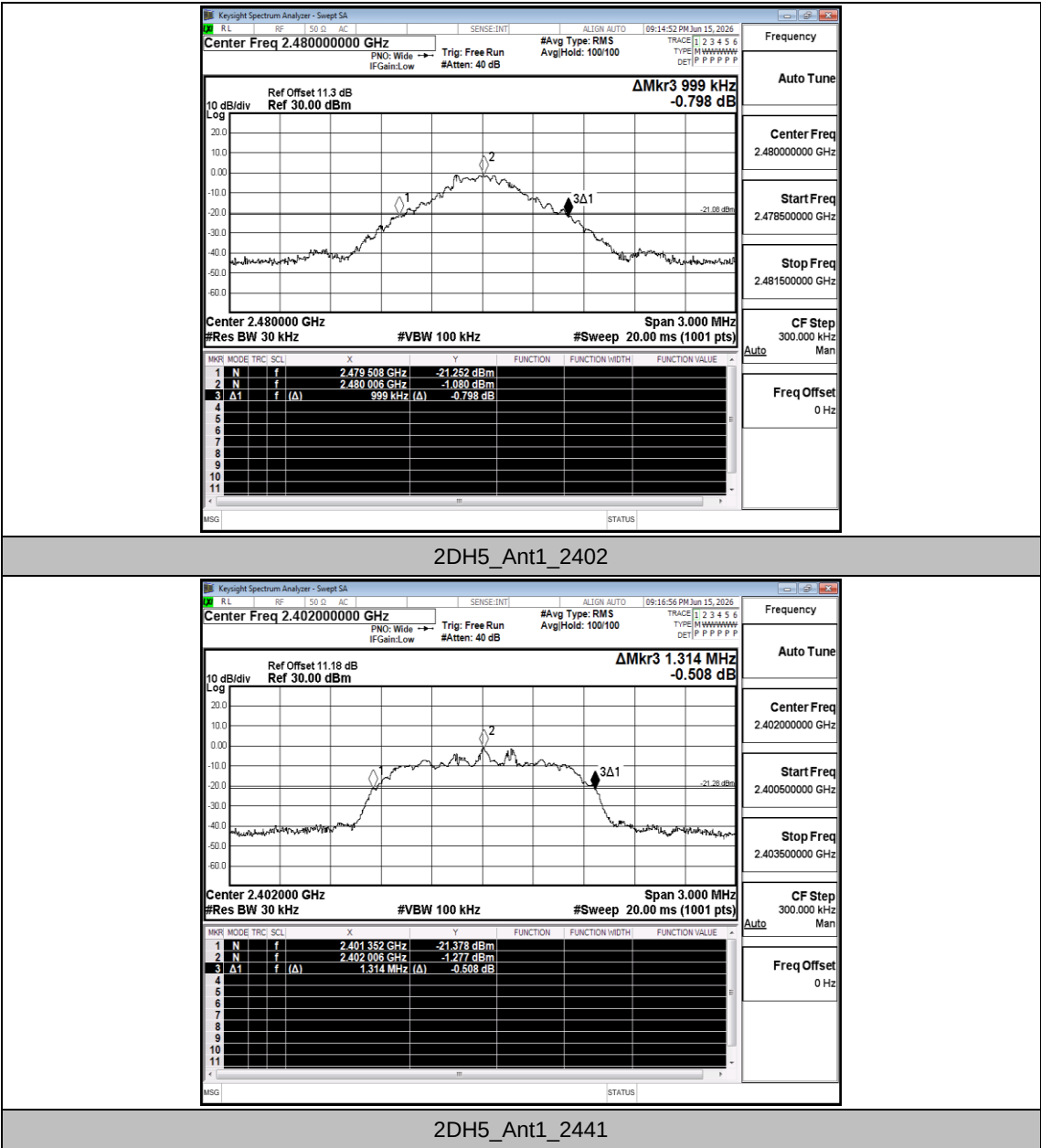
A.1 20dB Emission Bandwidth

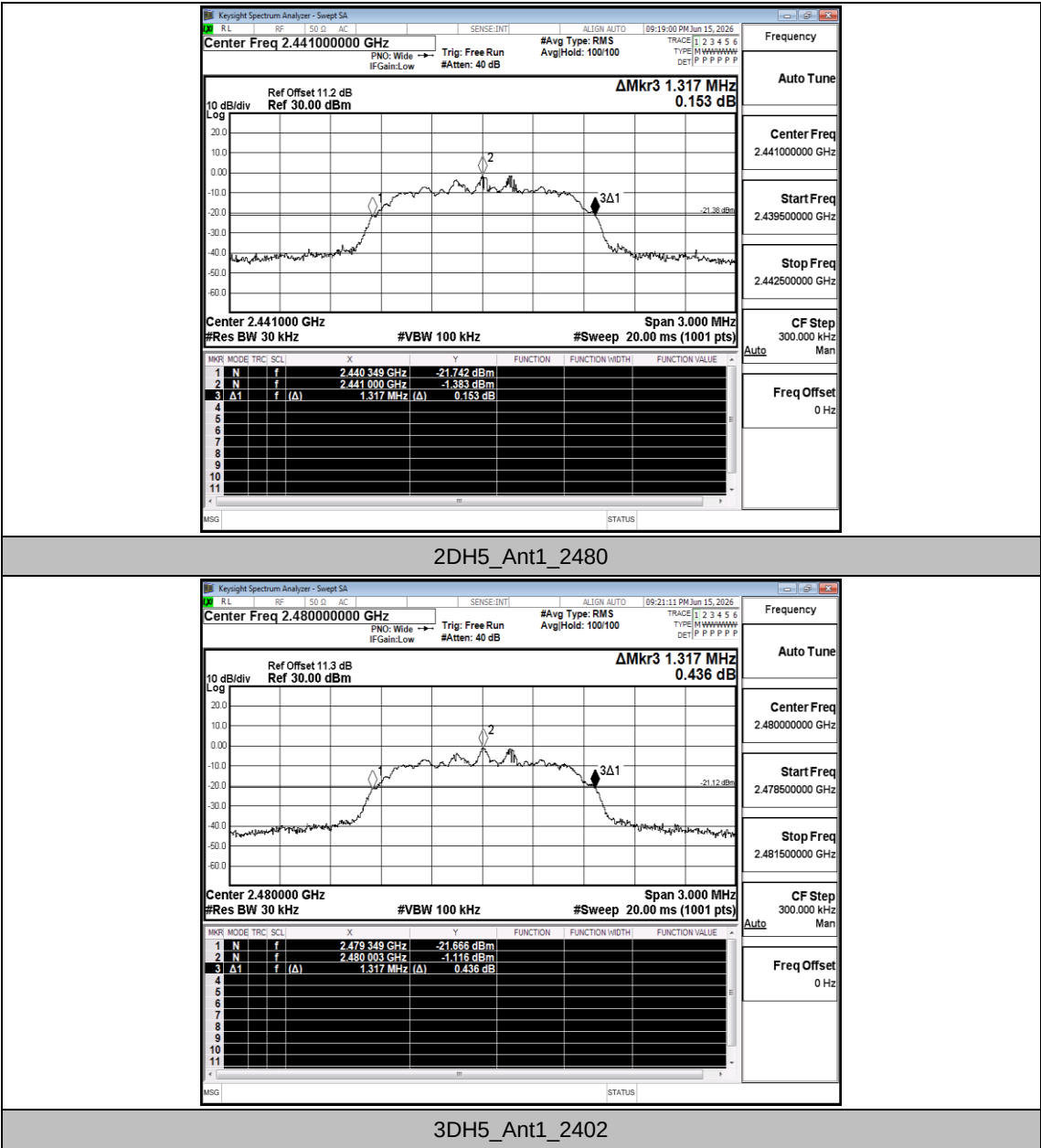
Test Result

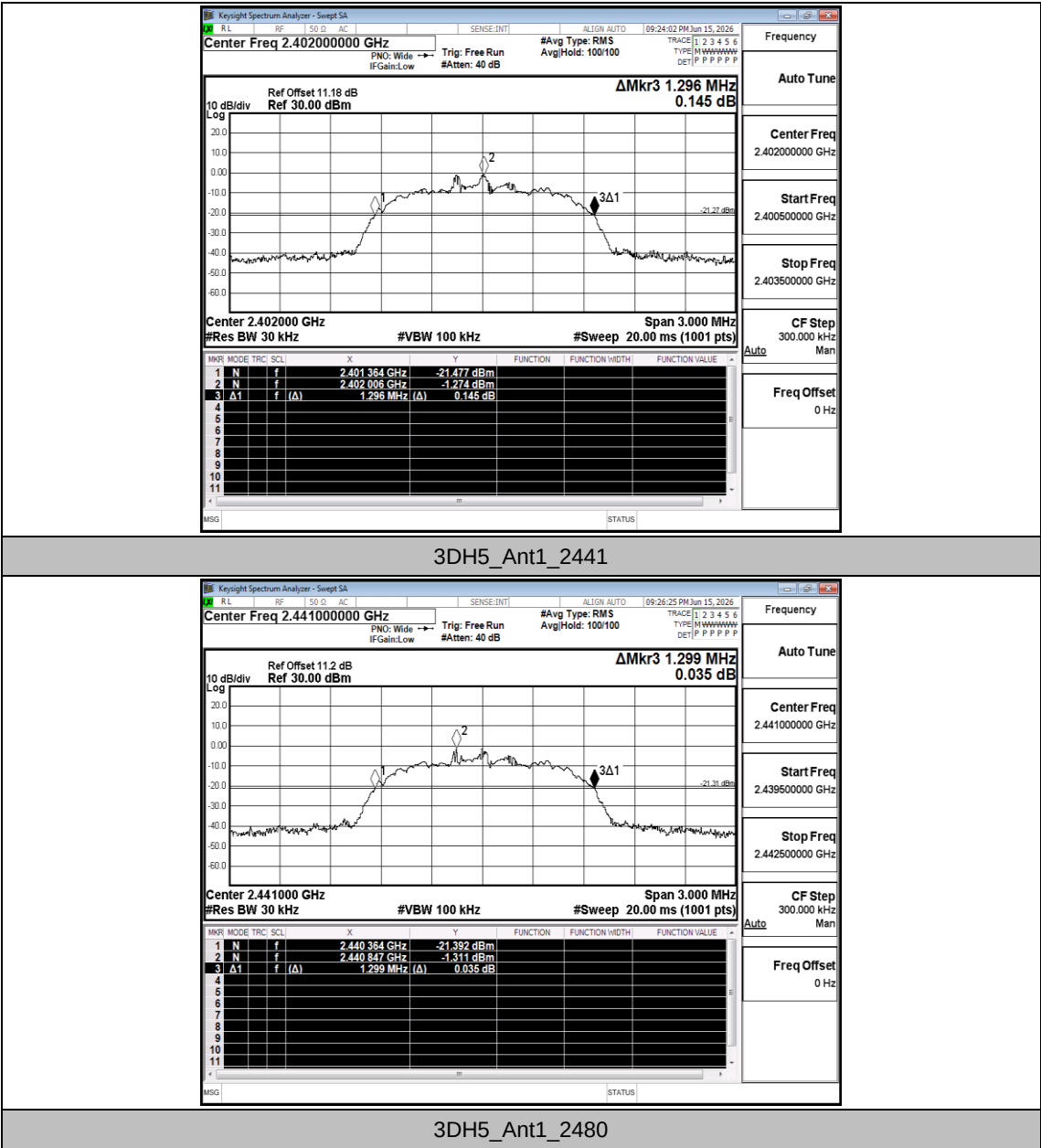
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.541	2402.495	---	---
		2441	0.957	2440.541	2441.498	---	---
		2480	0.999	2479.508	2480.507	---	---
2DH5	Ant1	2402	1.314	2401.352	2402.666	---	---
		2441	1.317	2440.349	2441.666	---	---
		2480	1.317	2479.349	2480.666	---	---
3DH5	Ant1	2402	1.296	2401.364	2402.660	---	---
		2441	1.299	2440.364	2441.663	---	---
		2480	1.302	2479.361	2480.663	---	---

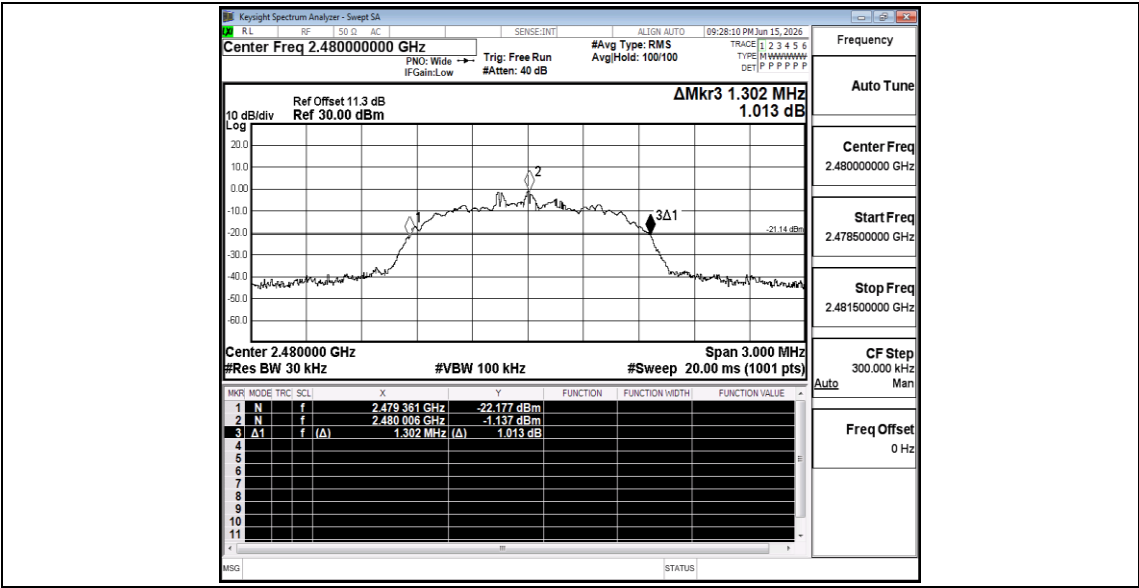
Test Graphs









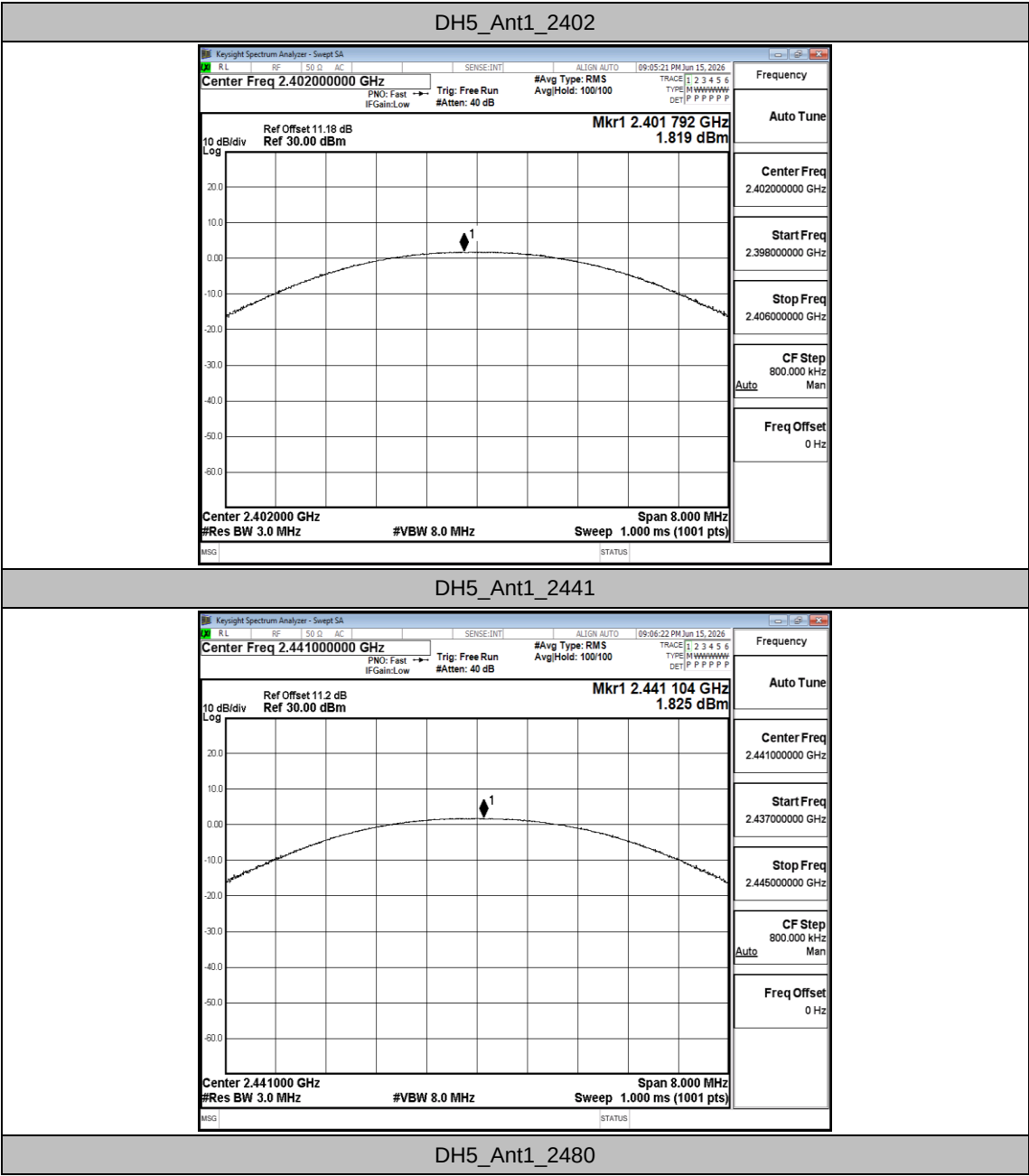


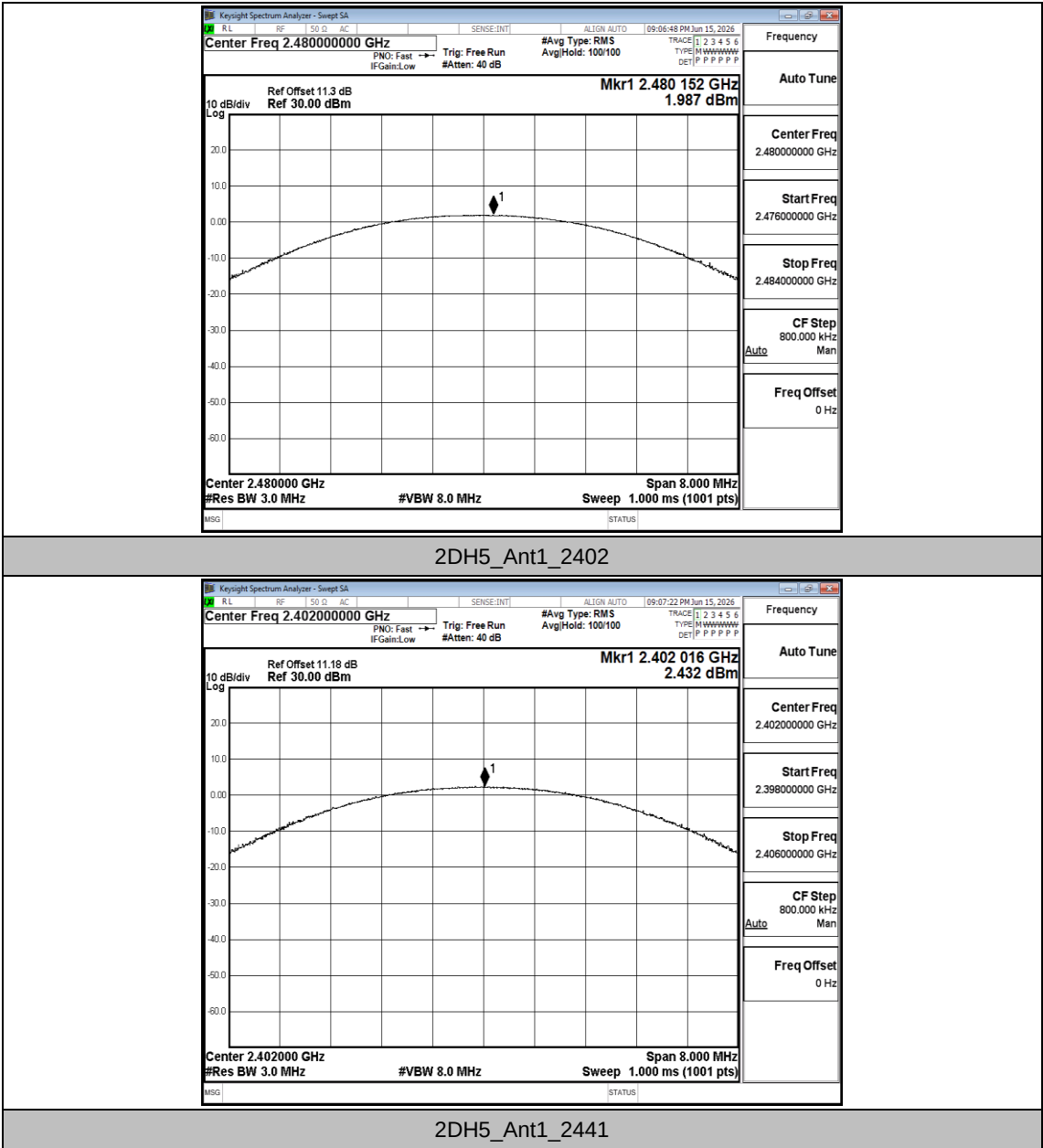
A.2 Maximum Peak conducted output power

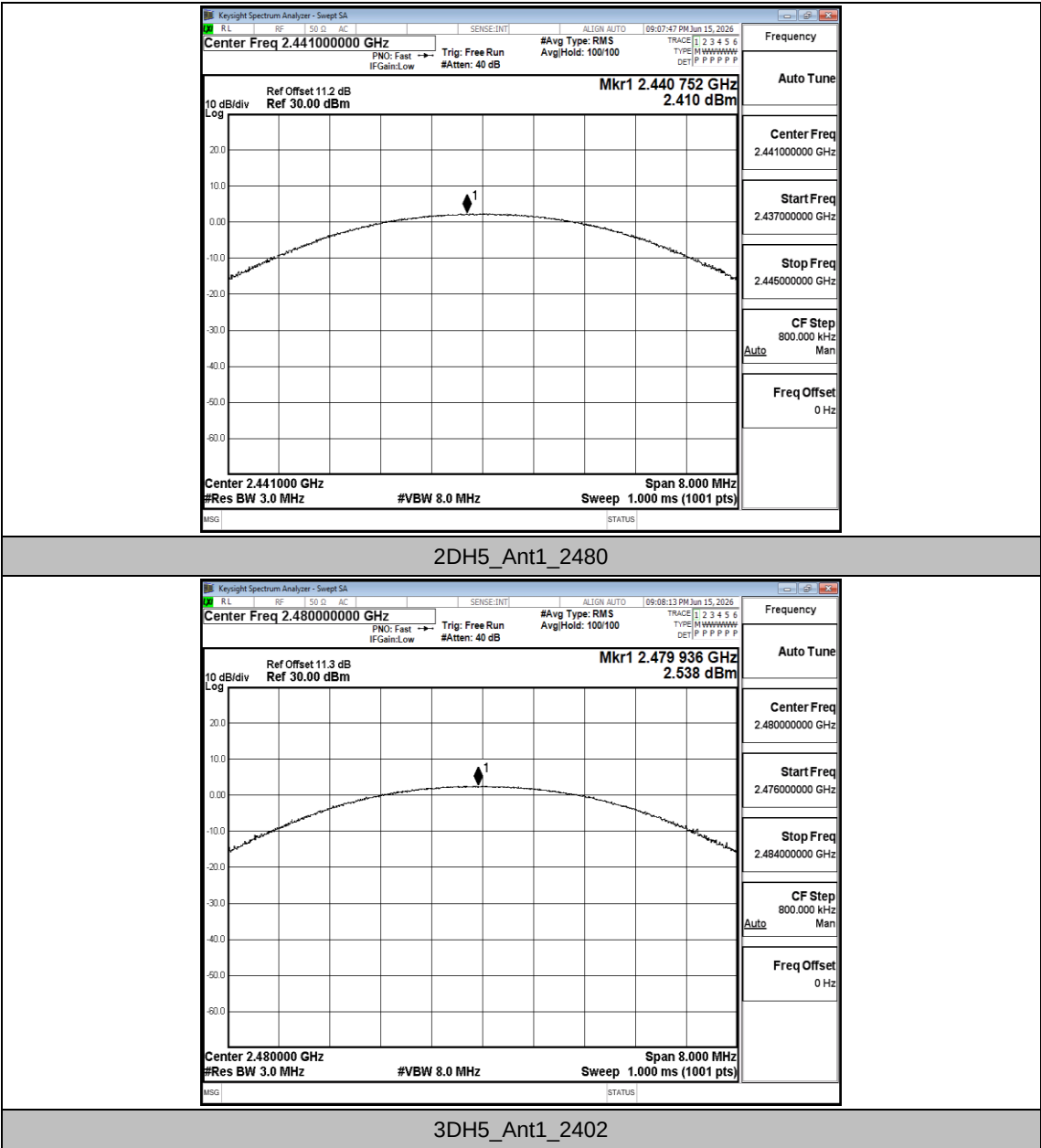
Test Result Peak

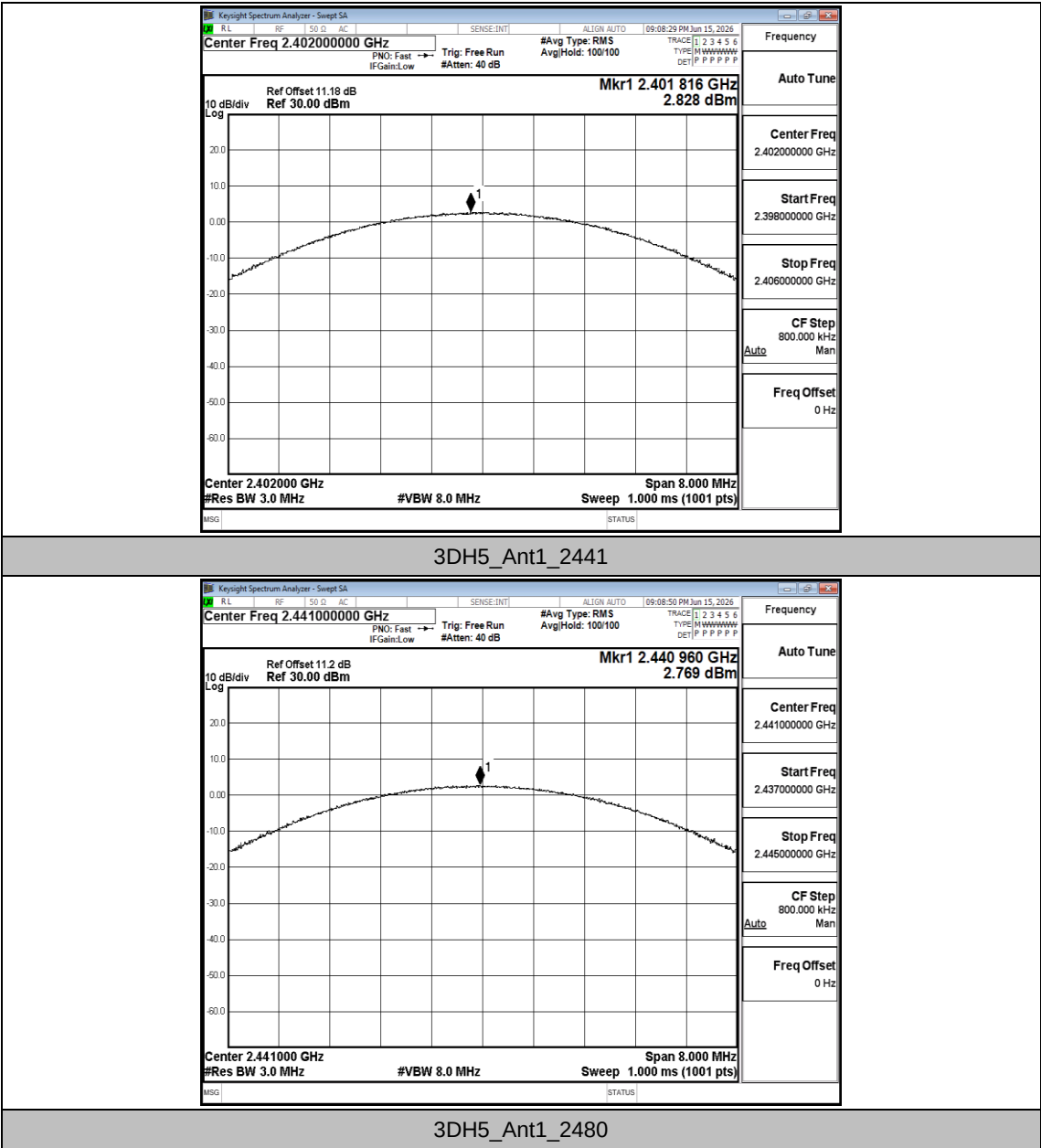
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.82	≤30	PASS
		2441	1.83	≤30	PASS
		2480	1.99	≤30	PASS
2DH5	Ant1	2402	2.43	≤30	PASS
		2441	2.41	≤30	PASS
		2480	2.54	≤30	PASS
3DH5	Ant1	2402	2.83	≤30	PASS
		2441	2.77	≤30	PASS
		2480	2.89	≤30	PASS

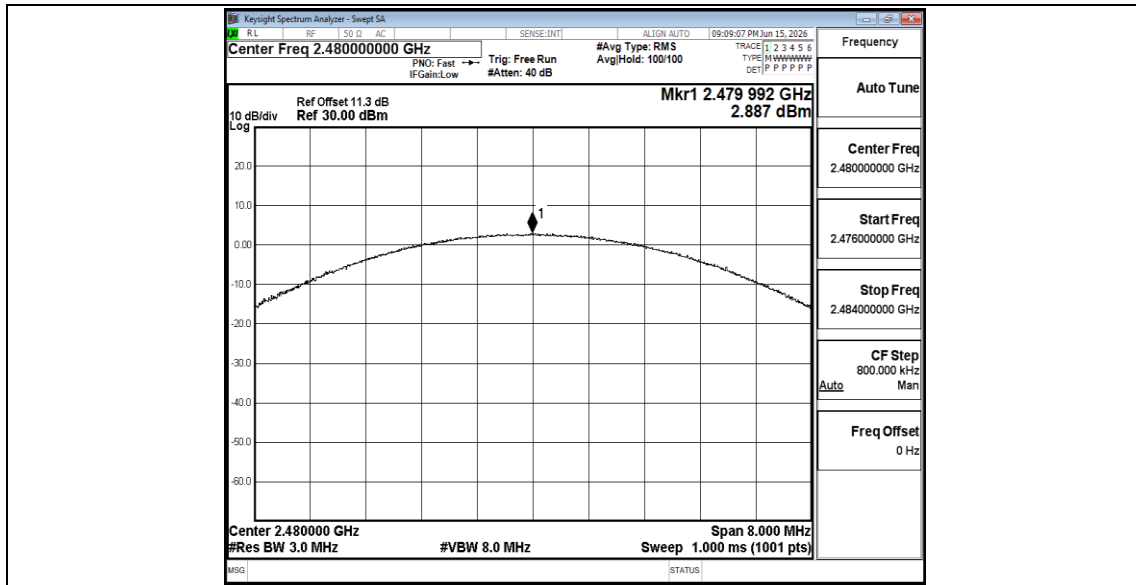
Test Graphs









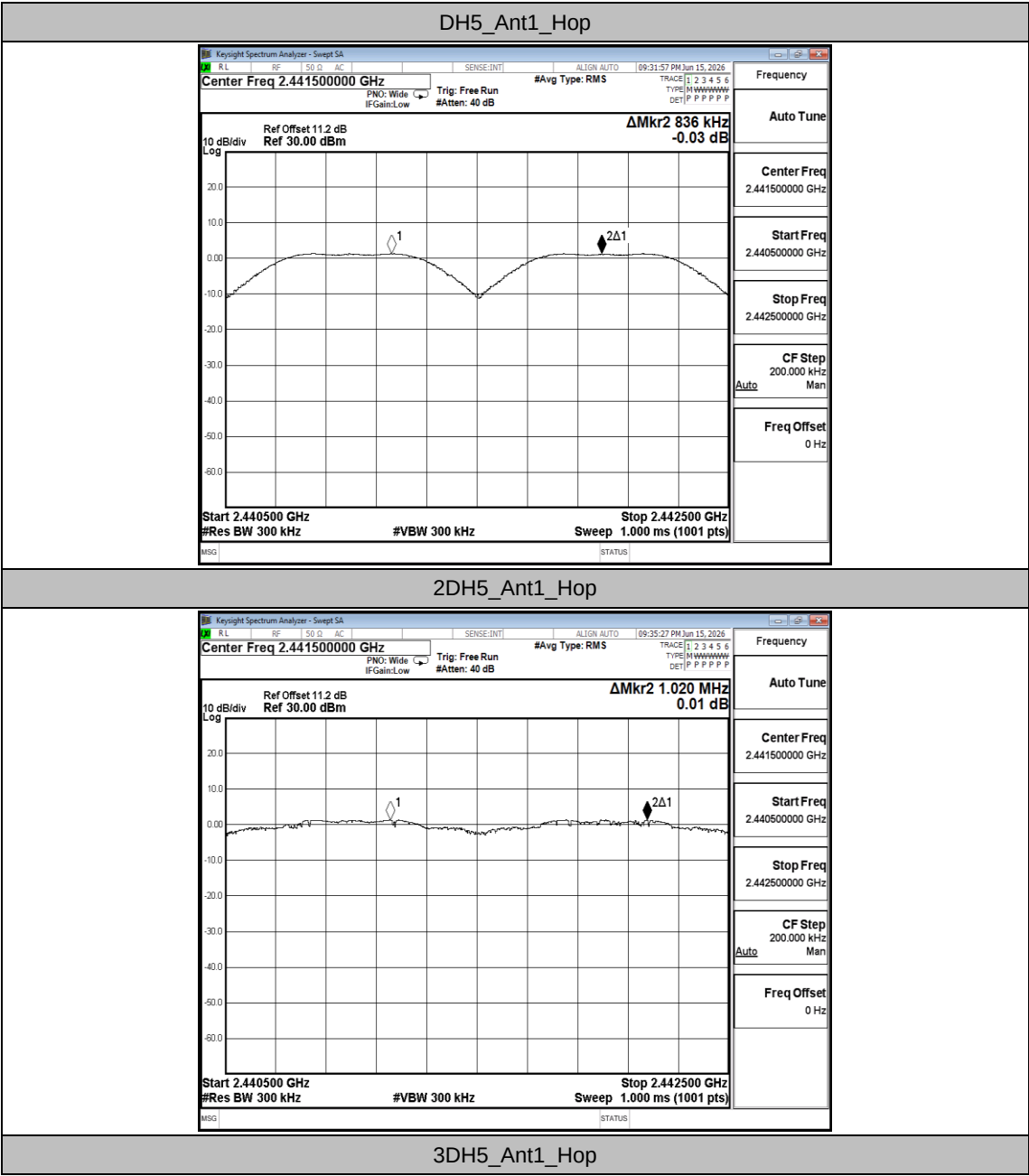


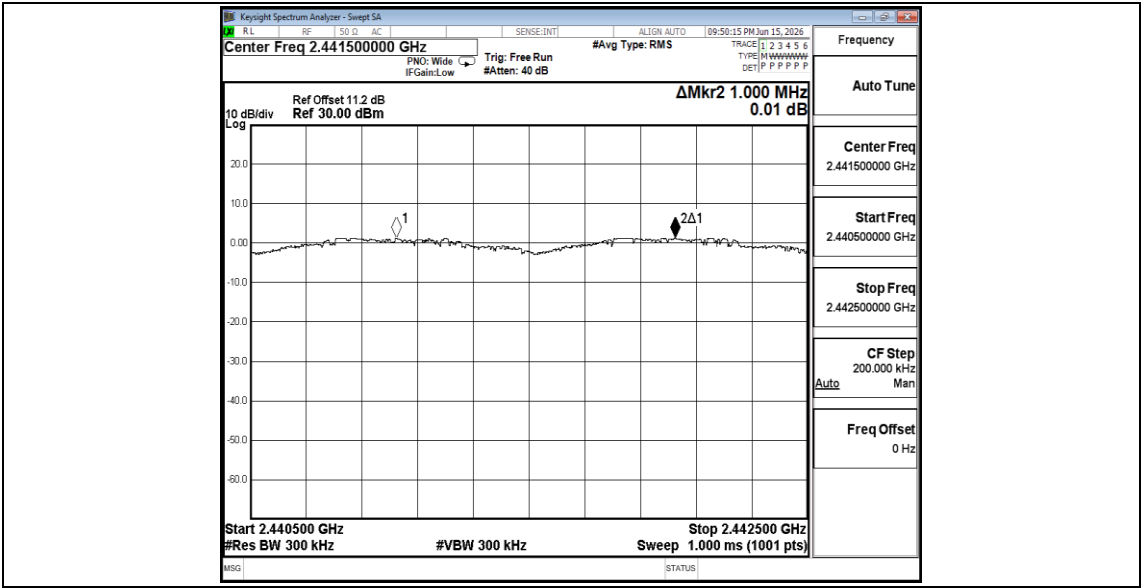
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.836	≥0.666	PASS
2DH5	Ant1	Hop	1.02	≥0.878	PASS
3DH5	Ant1	Hop	1	≥0.868	PASS

Test Graphs



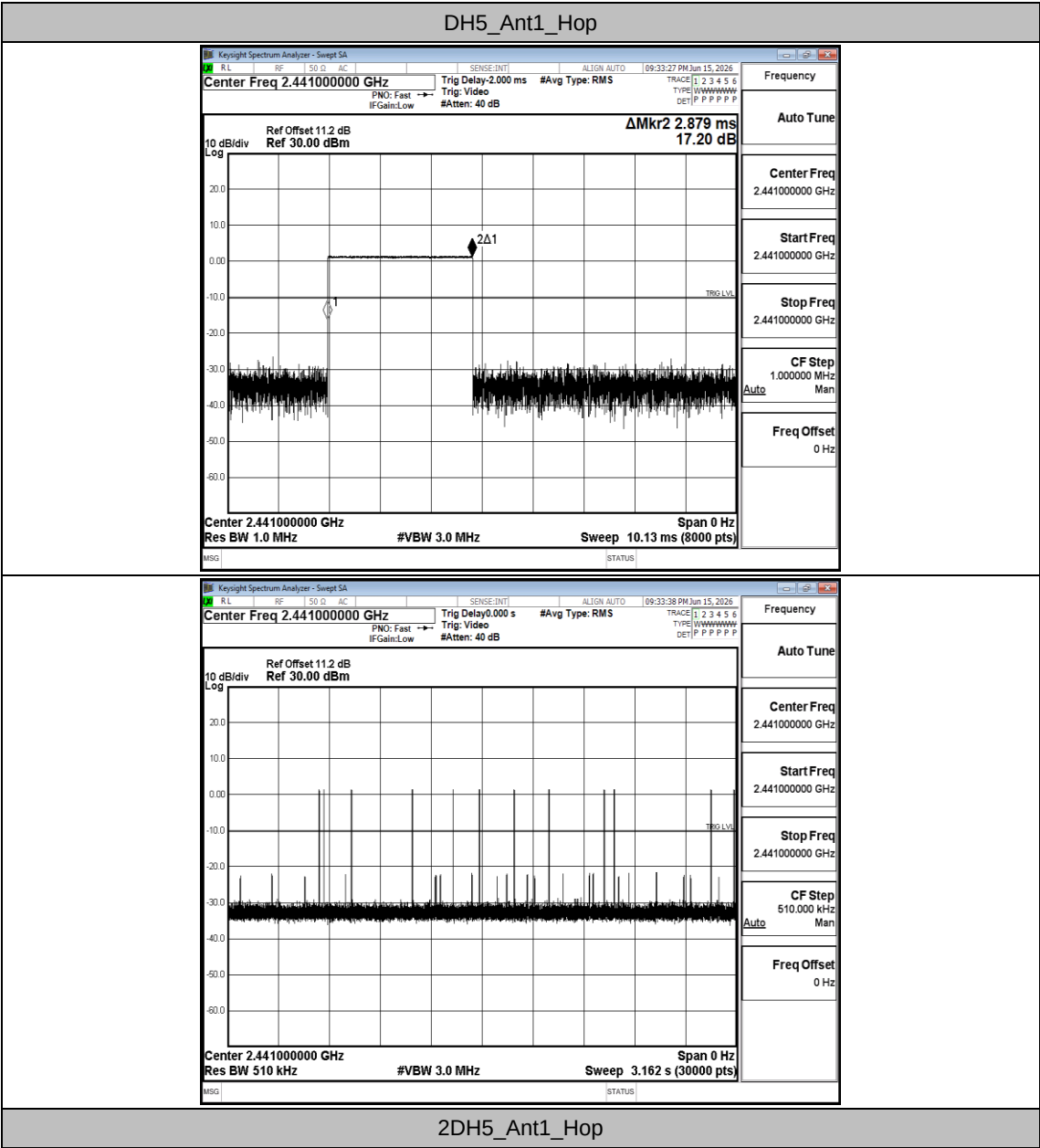


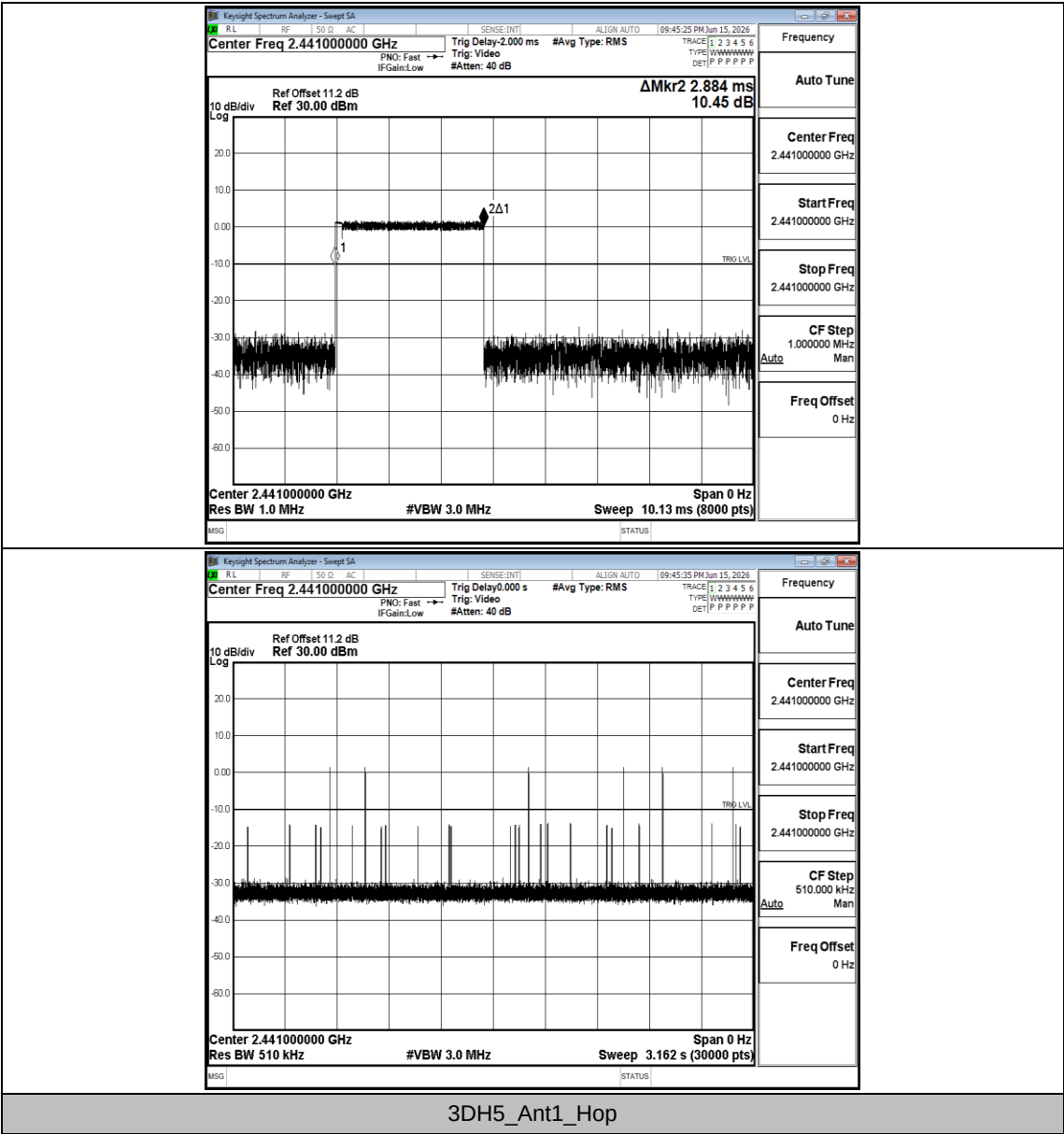
A.4 Time of occupancy

Test Result

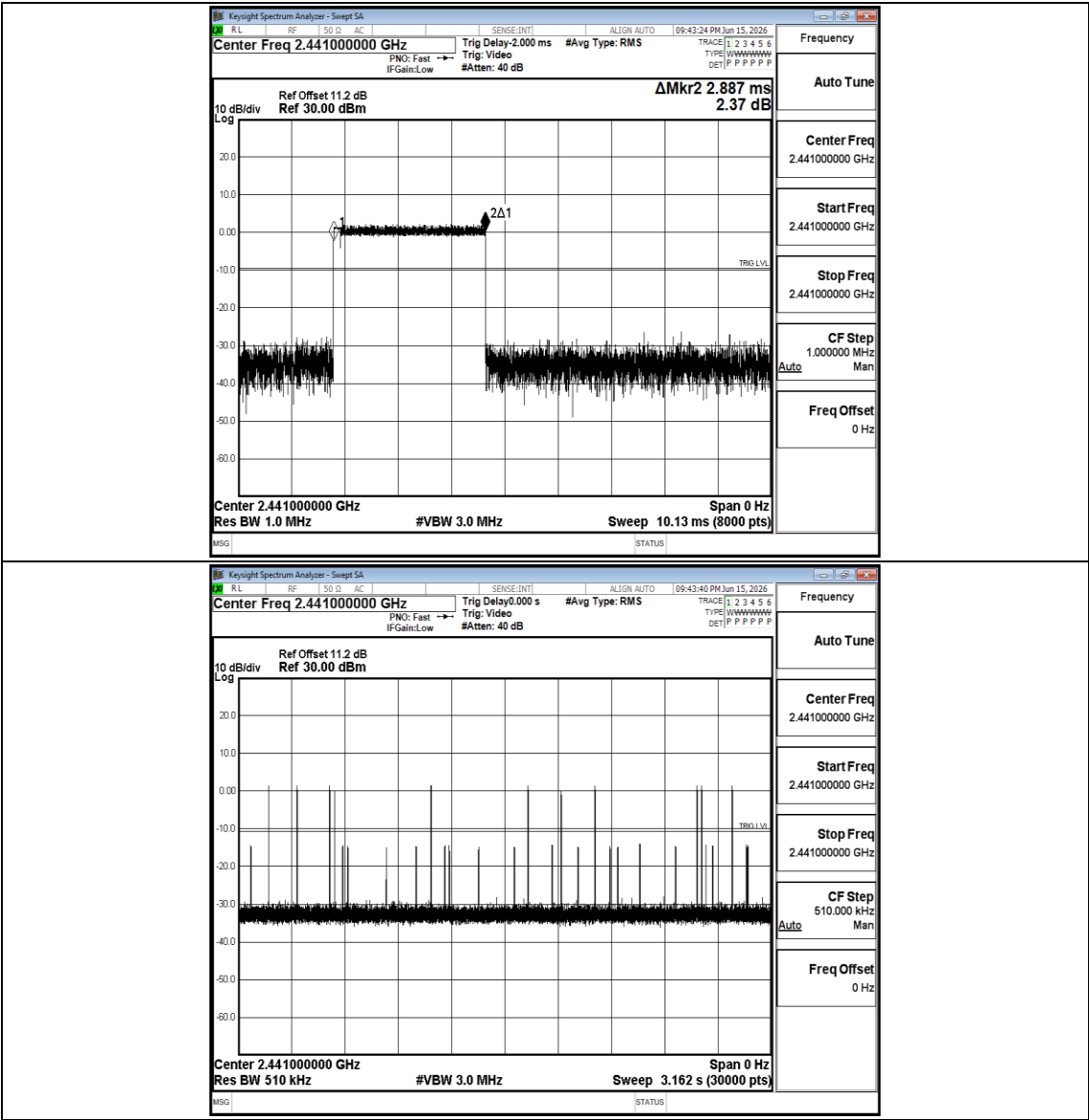
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.879	130	0.374	≤0.4	PASS
2DH5	Ant1	Hop	2.884	70	0.202	≤0.4	PASS
3DH5	Ant1	Hop	2.887	120	0.346	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

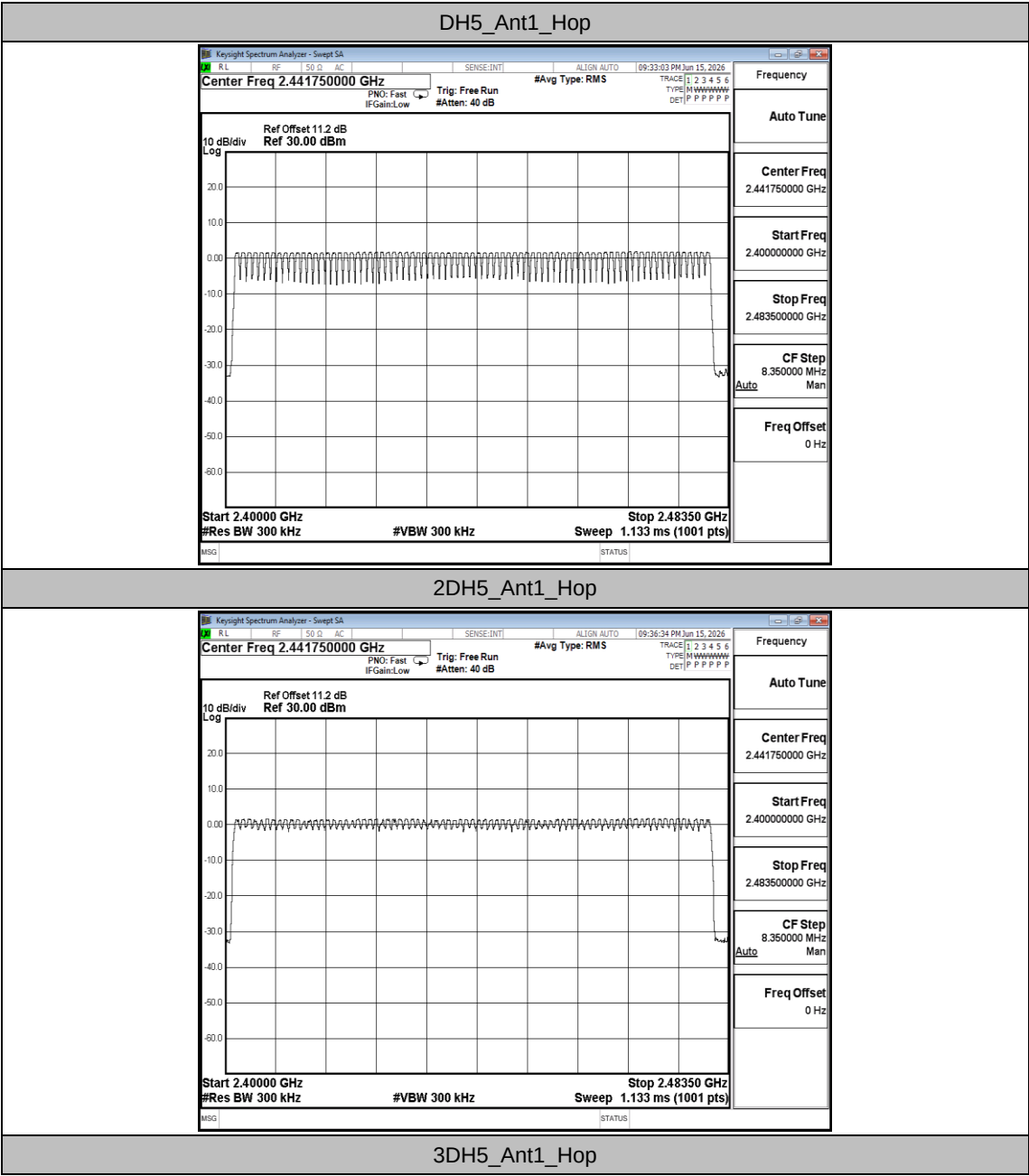


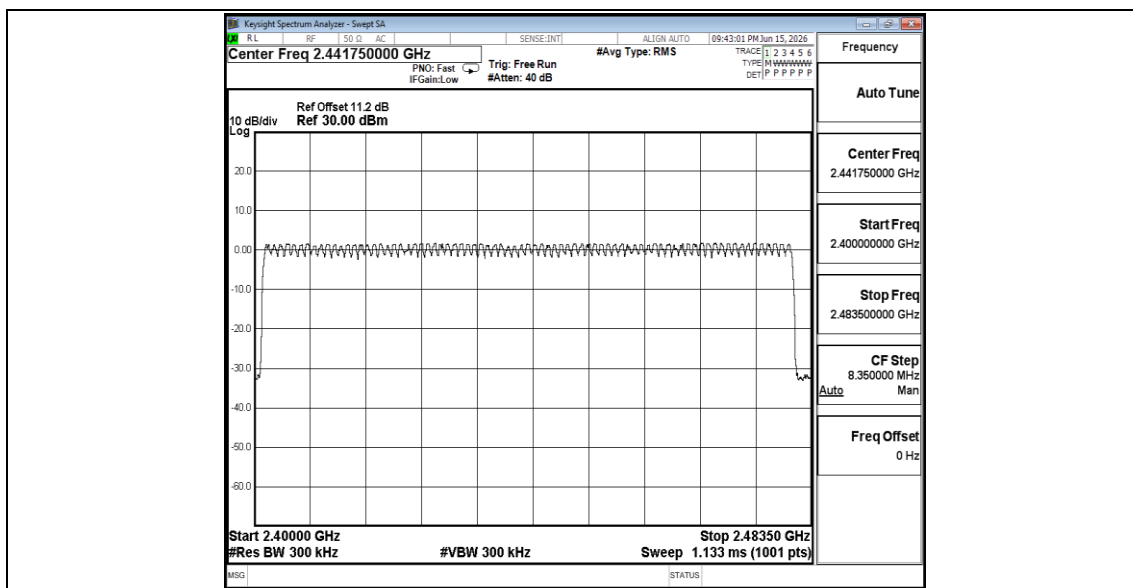
A.5 Number of hopping channels

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



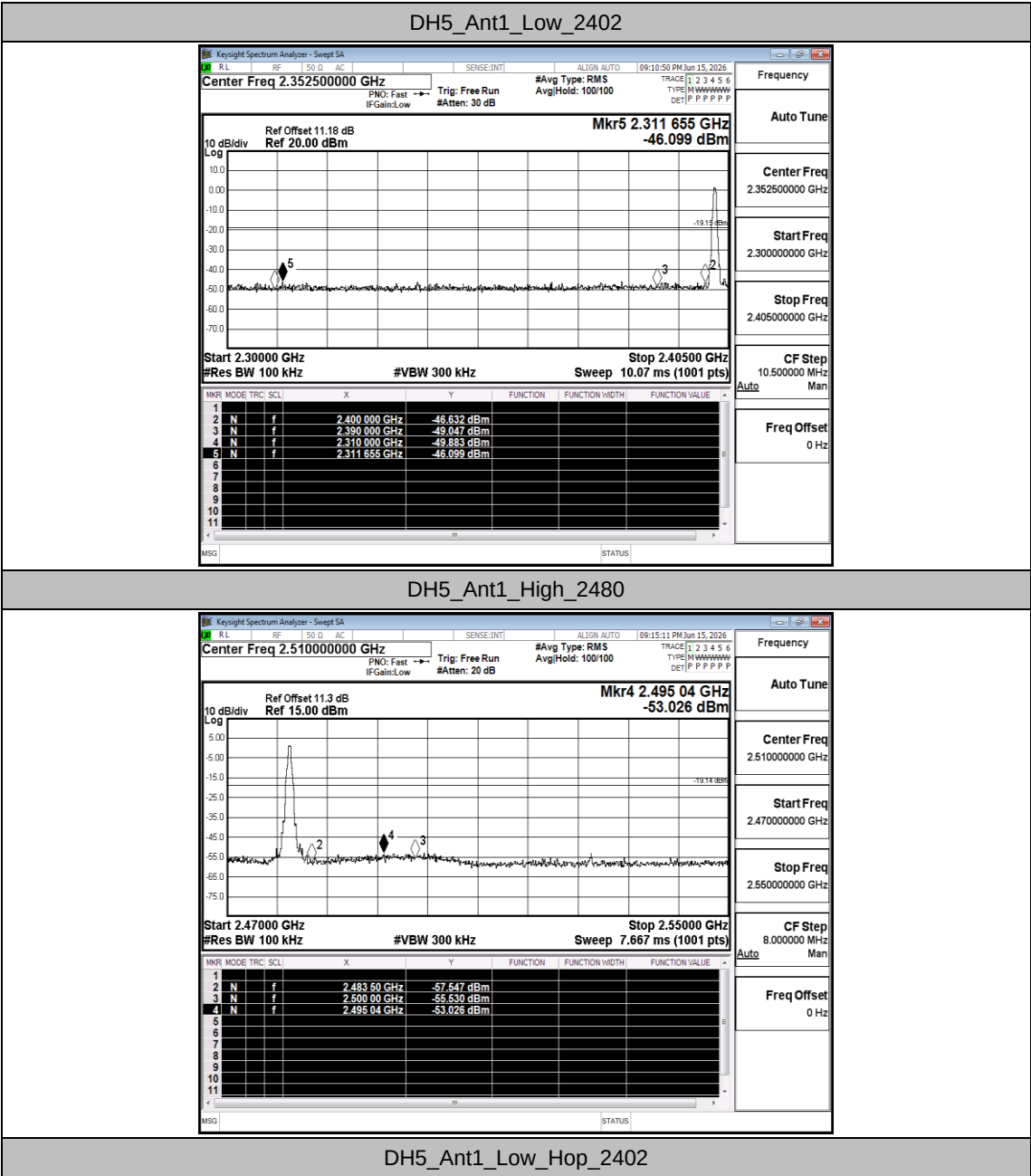


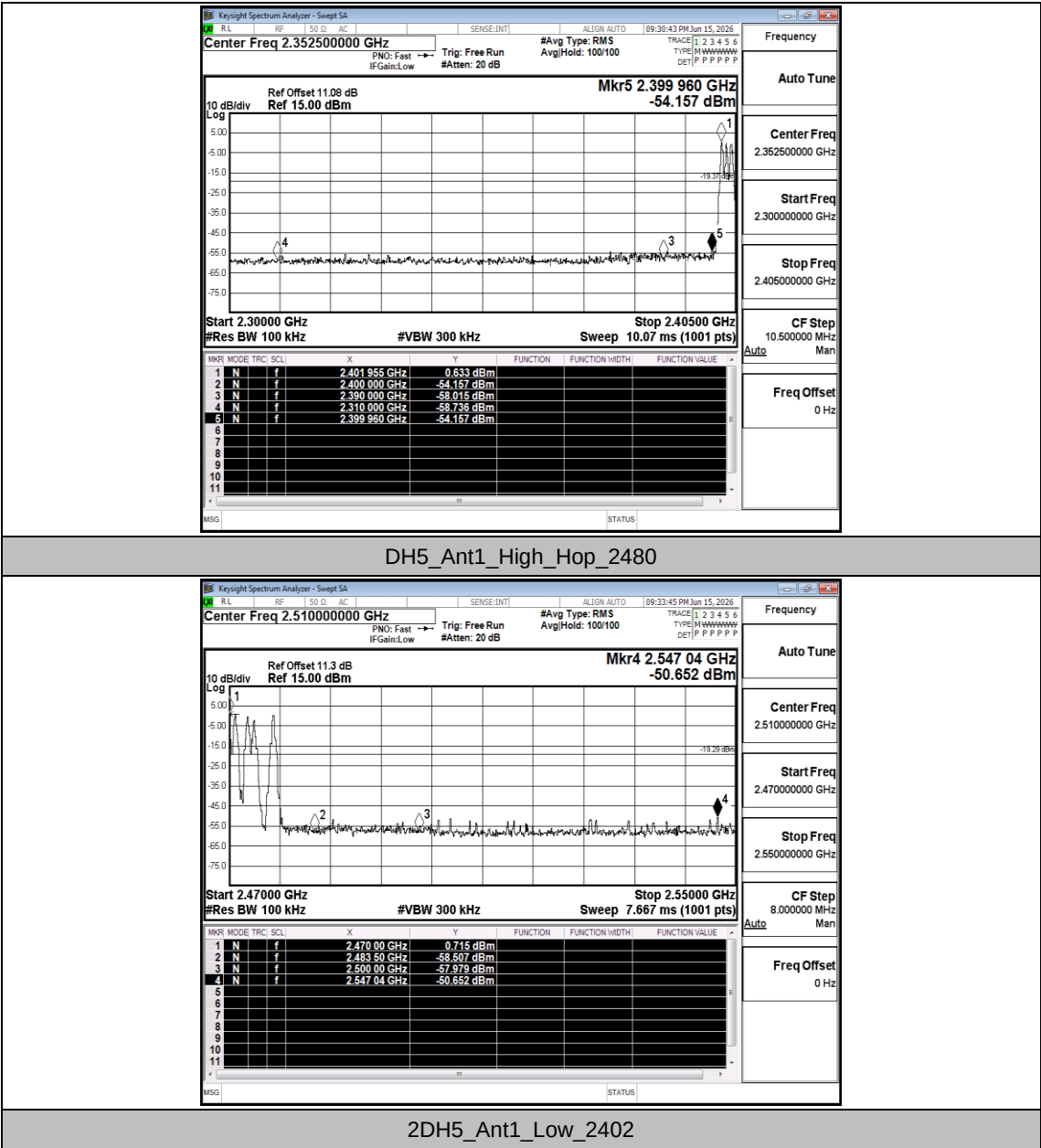
A.6 Band edge measurements

Test Result

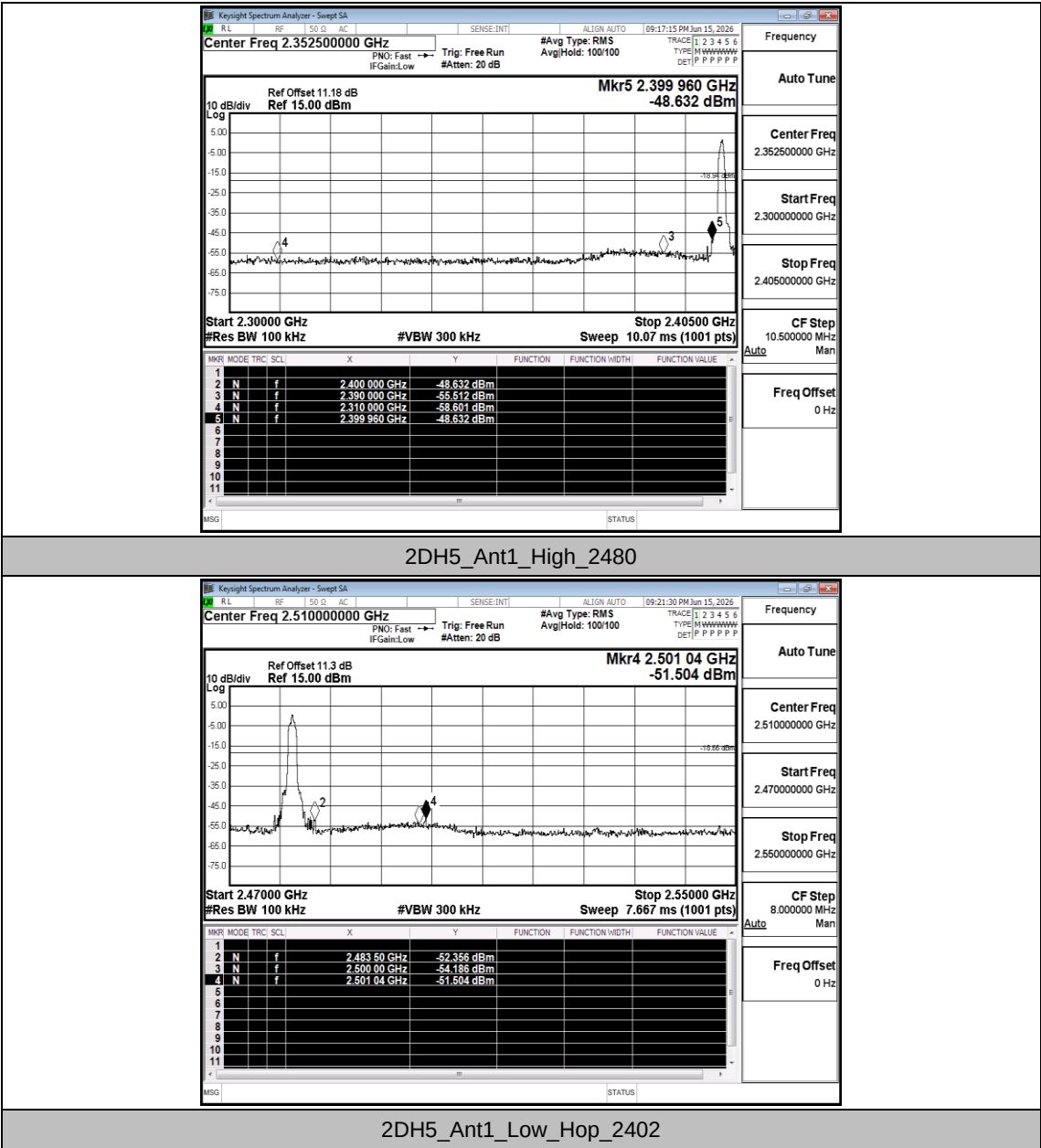
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.85	-46.1	≤-19.15	PASS
		High	2480	0.86	-53.03	≤-19.14	PASS
		Low	Hop_2402	0.63	-54.16	≤-19.37	PASS
		High	Hop_2480	0.72	-50.65	≤-19.29	PASS
2DH5	Ant1	Low	2402	1.06	-48.63	≤-18.94	PASS
		High	2480	1.34	-51.5	≤-18.66	PASS
		Low	Hop_2402	-5.85	-53.79	≤-25.85	PASS
		High	Hop_2480	-2.48	-53.64	≤-22.48	PASS
3DH5	Ant1	Low	2402	1.22	-48.5	≤-18.78	PASS
		High	2480	1.04	-52.79	≤-18.96	PASS
		Low	Hop_2402	-4.14	-50.37	≤-24.14	PASS
		High	Hop_2480	-1.87	-53.33	≤-21.87	PASS

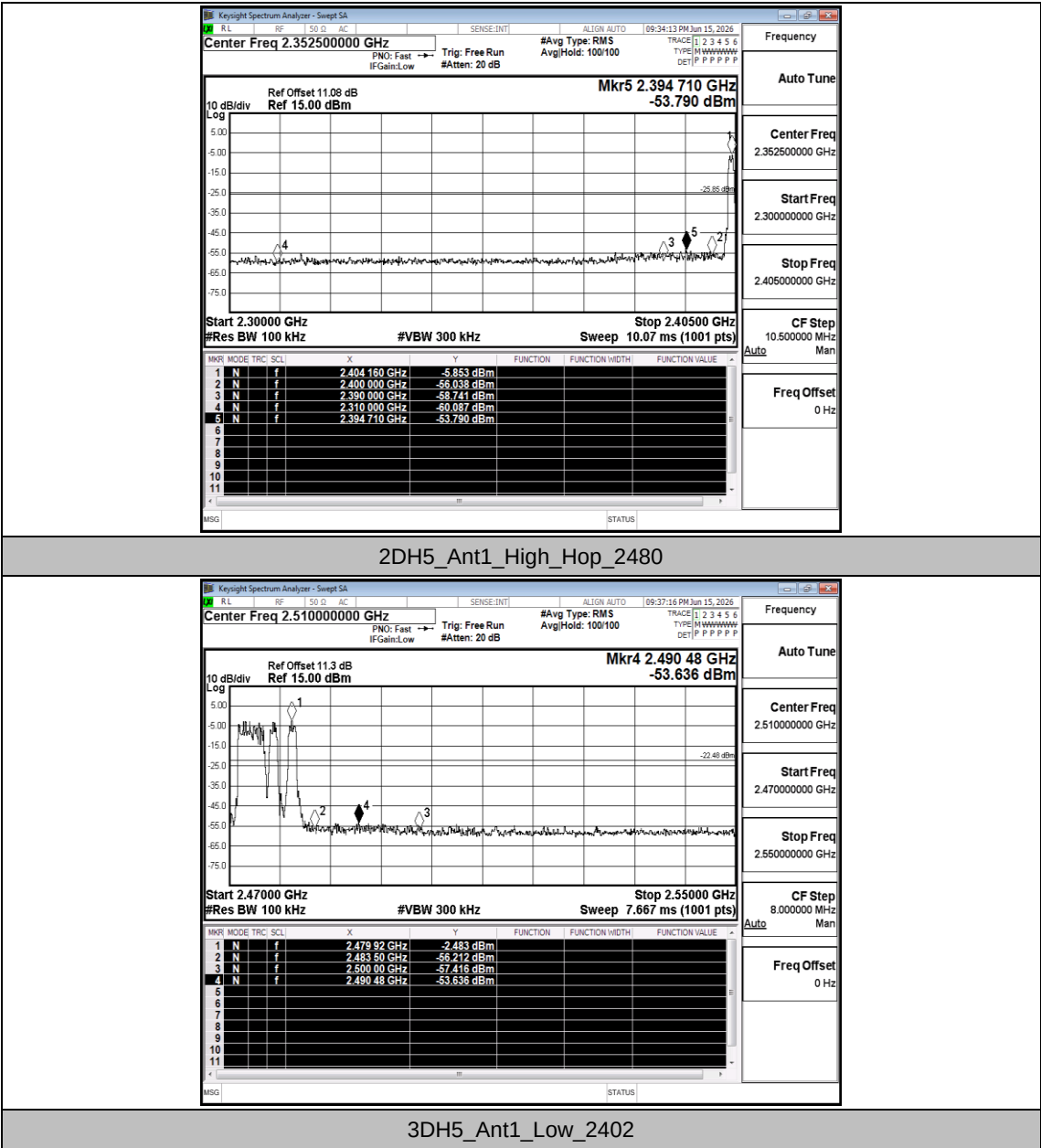
Test Graphs



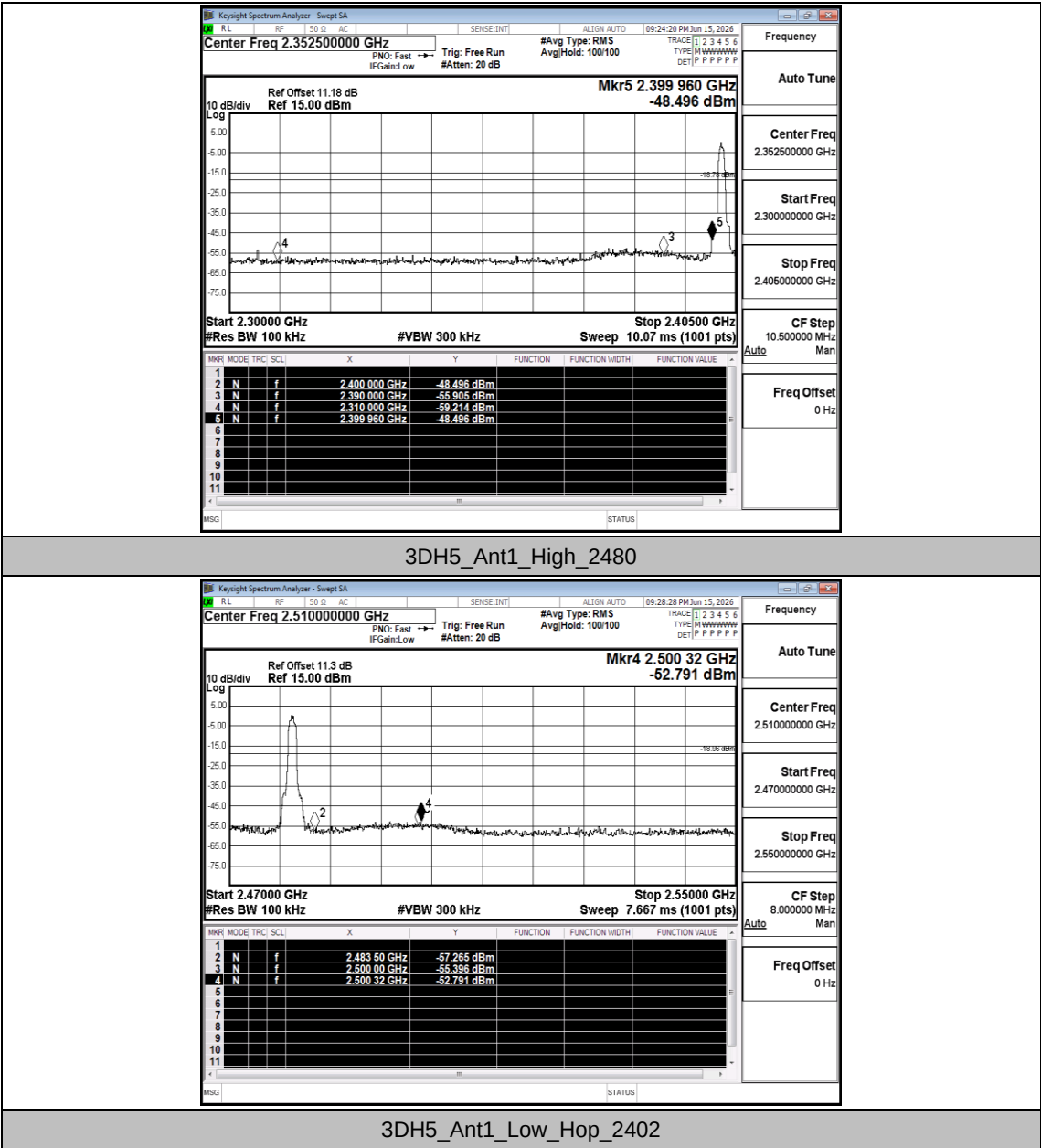


2DH5_Ant1_Low_2402

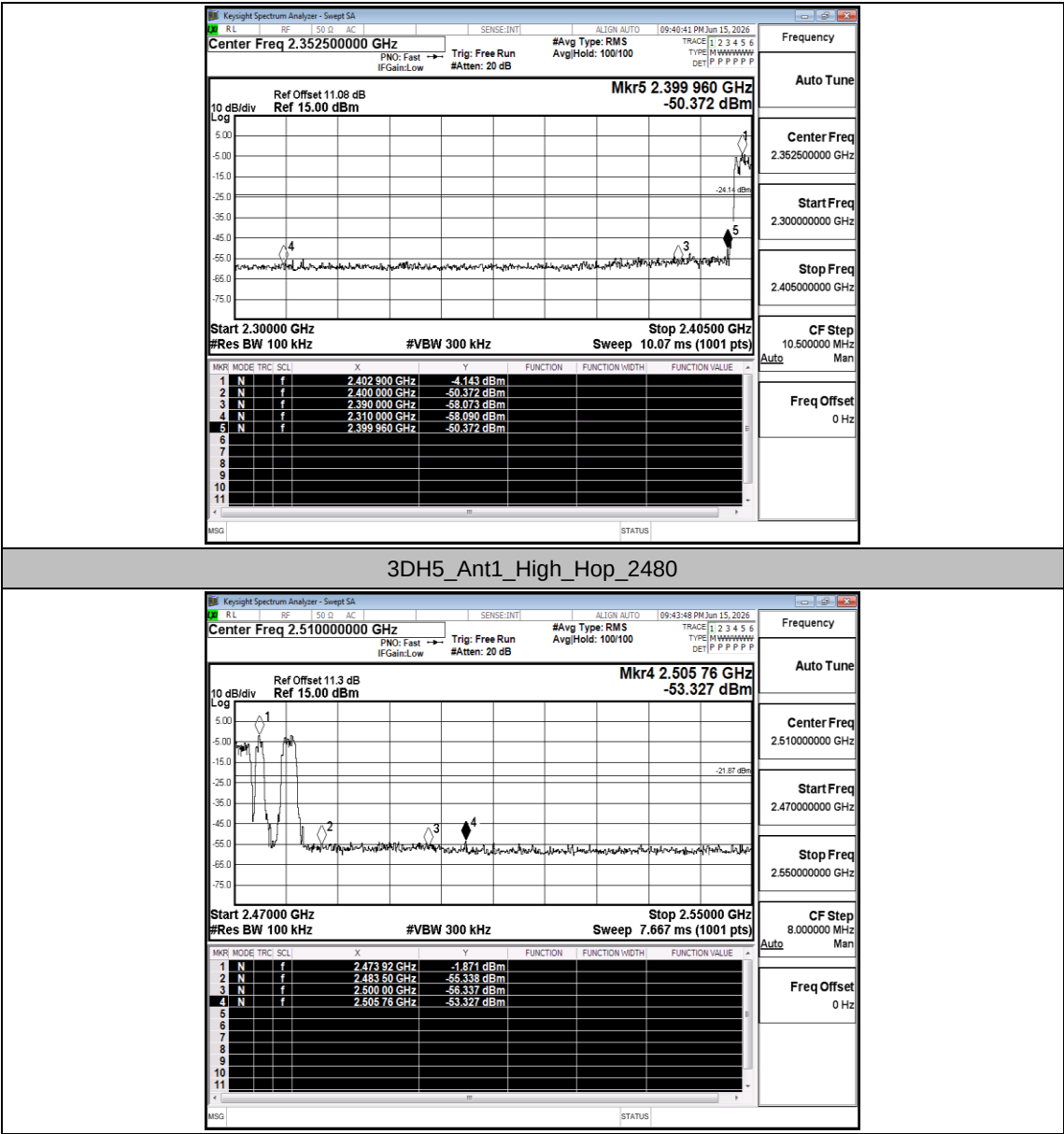




3DH5_Ant1_Low_2402



3DH5_Ant1_Low_Hop_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	1.22	1.22	---	PASS
			30~1000	1.22	-44.05	≤-18.78	PASS
			1000~26500	1.22	-35.05	≤-18.78	PASS
		2441	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-63.06	≤-18.86	PASS
			1000~26500	1.14	-36.03	≤-18.86	PASS
		2480	Reference	1.39	1.39	---	PASS
			30~1000	1.39	-63.02	≤-18.61	PASS
			1000~26500	1.39	-36.03	≤-18.61	PASS
2DH5	Ant1	2402	Reference	1.22	1.22	---	PASS
			30~1000	1.22	-63.09	≤-18.78	PASS
			1000~26500	1.22	-36.76	≤-18.78	PASS
		2441	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-44.26	≤-18.86	PASS
			1000~26500	1.14	-34.79	≤-18.86	PASS
		2480	Reference	1.35	1.35	---	PASS
			30~1000	1.35	-43.97	≤-18.65	PASS
			1000~26500	1.35	-39.25	≤-18.65	PASS
3DH5	Ant1	2402	Reference	1.21	1.21	---	PASS
			30~1000	1.21	-63.25	≤-18.79	PASS
			1000~26500	1.21	-38.34	≤-18.79	PASS
		2441	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-63.68	≤-18.86	PASS
			1000~26500	1.14	-37.86	≤-18.86	PASS
		2480	Reference	1.37	1.37	---	PASS
			30~1000	1.37	-50.73	≤-18.63	PASS
			1000~26500	1.37	-36.82	≤-18.63	PASS

Test Graphs

