

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: R100 CD PLAYER

Test Model: CR3507A-WH

Environmental Conditions

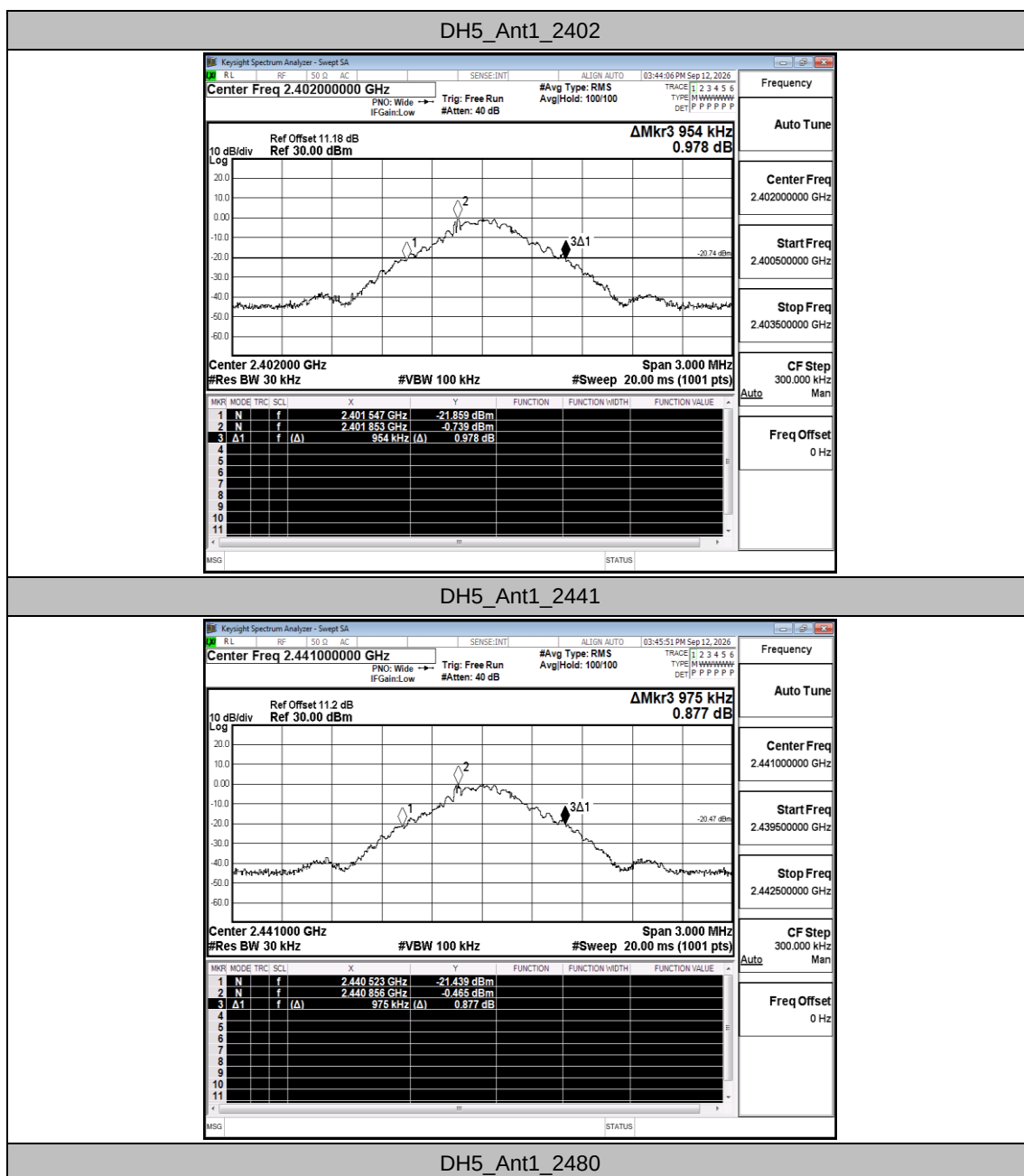
Temperature:	23.5°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

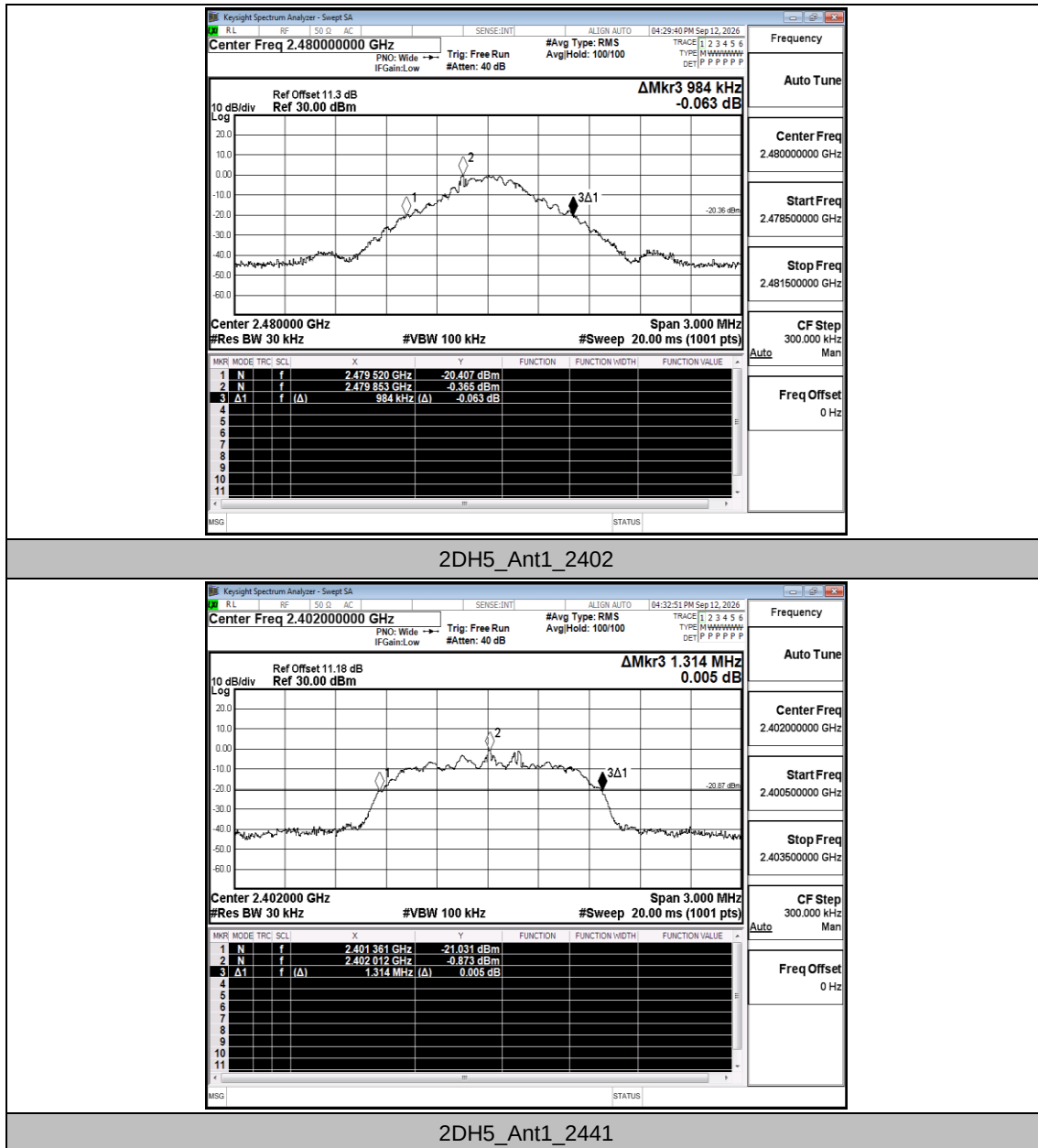
A.1 20dB Emission Bandwidth

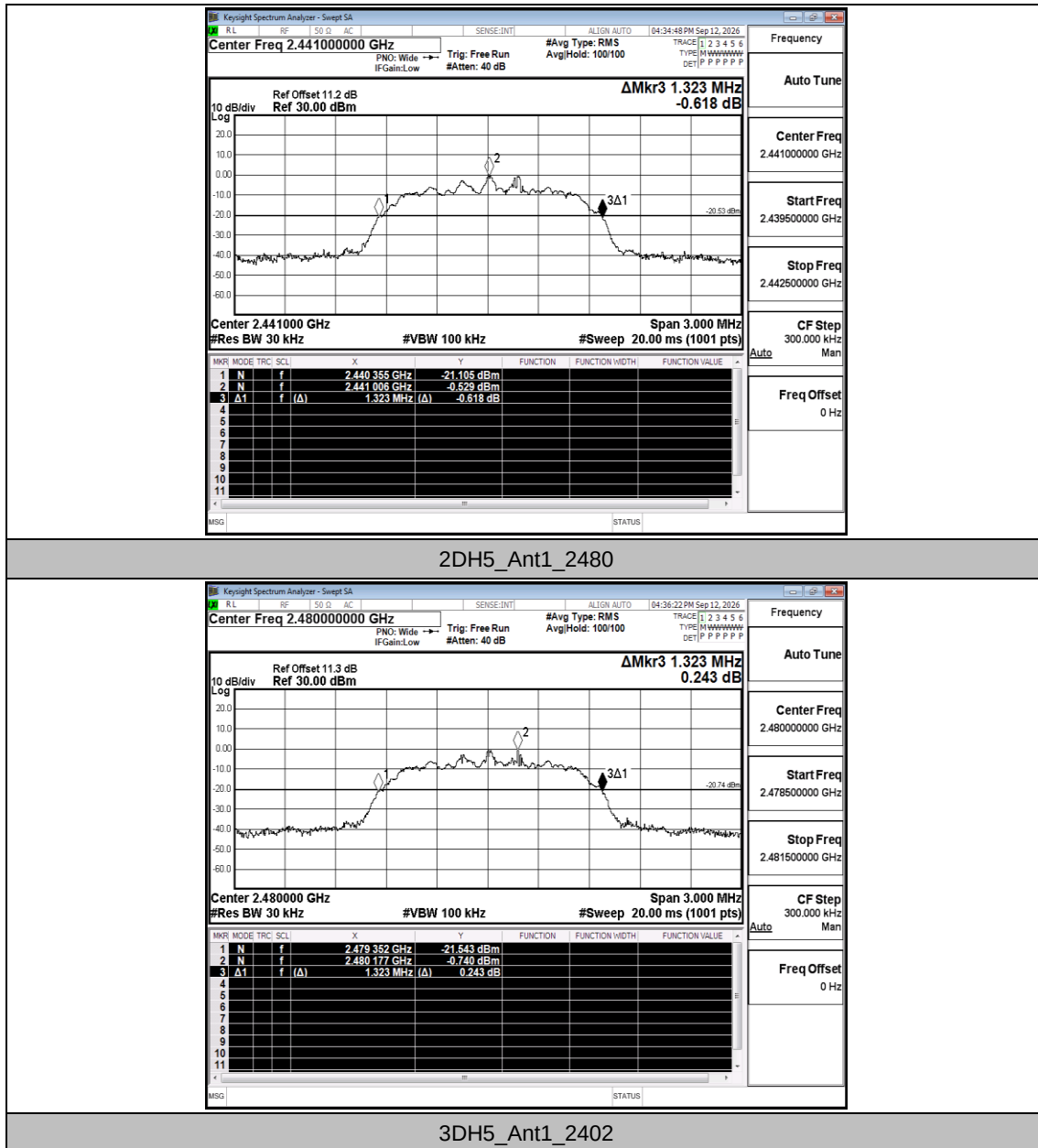
Test Result

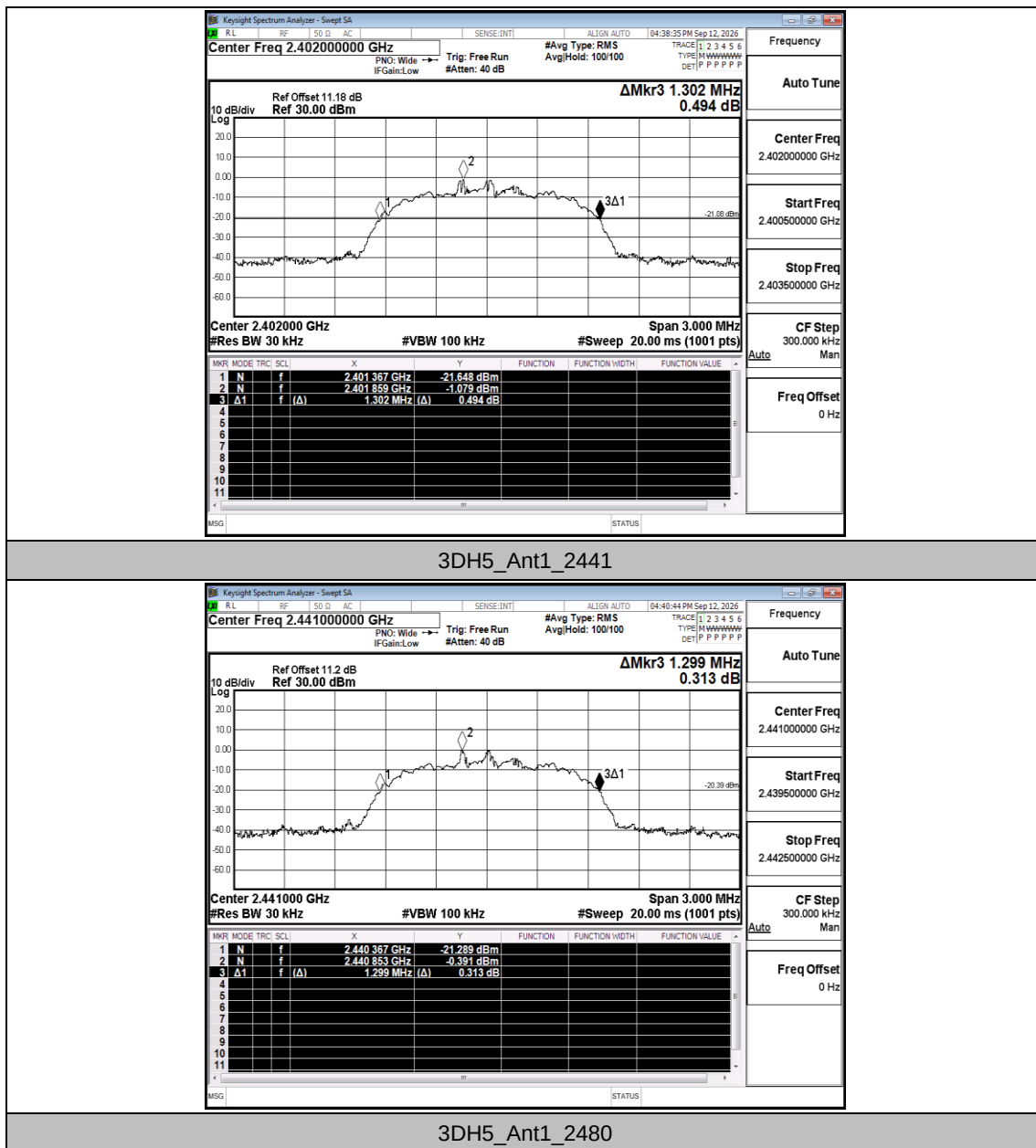
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.547	2402.501	---	---
		2441	0.975	2440.523	2441.498	---	---
		2480	0.984	2479.520	2480.504	---	---
2DH5	Ant1	2402	1.314	2401.361	2402.675	---	---
		2441	1.323	2440.355	2441.678	---	---
		2480	1.323	2479.352	2480.675	---	---
3DH5	Ant1	2402	1.302	2401.367	2402.669	---	---
		2441	1.299	2440.367	2441.666	---	---
		2480	1.299	2479.367	2480.666	---	---

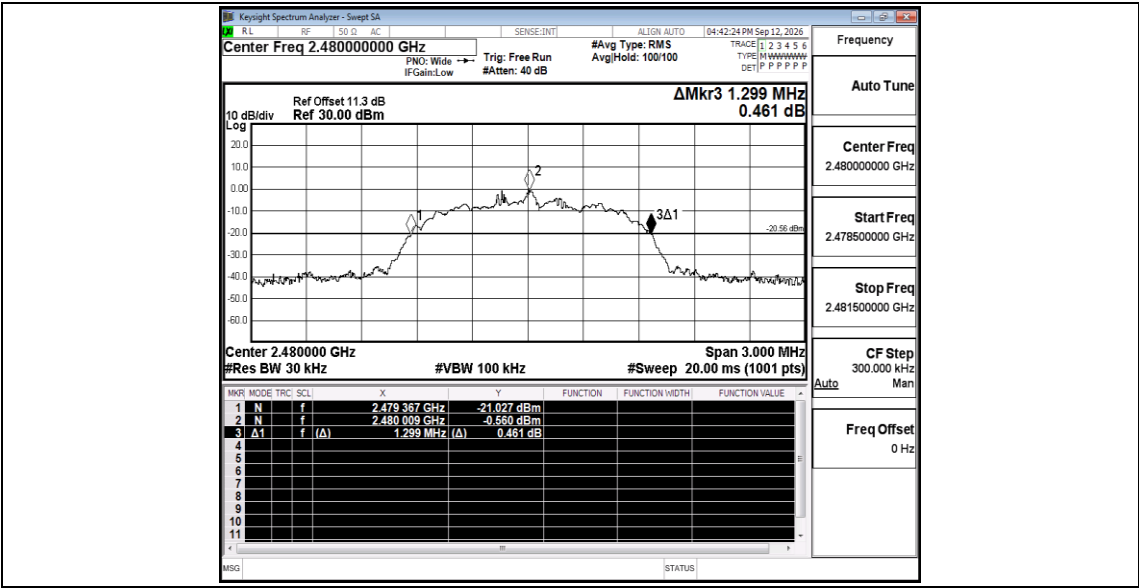
Test Graphs









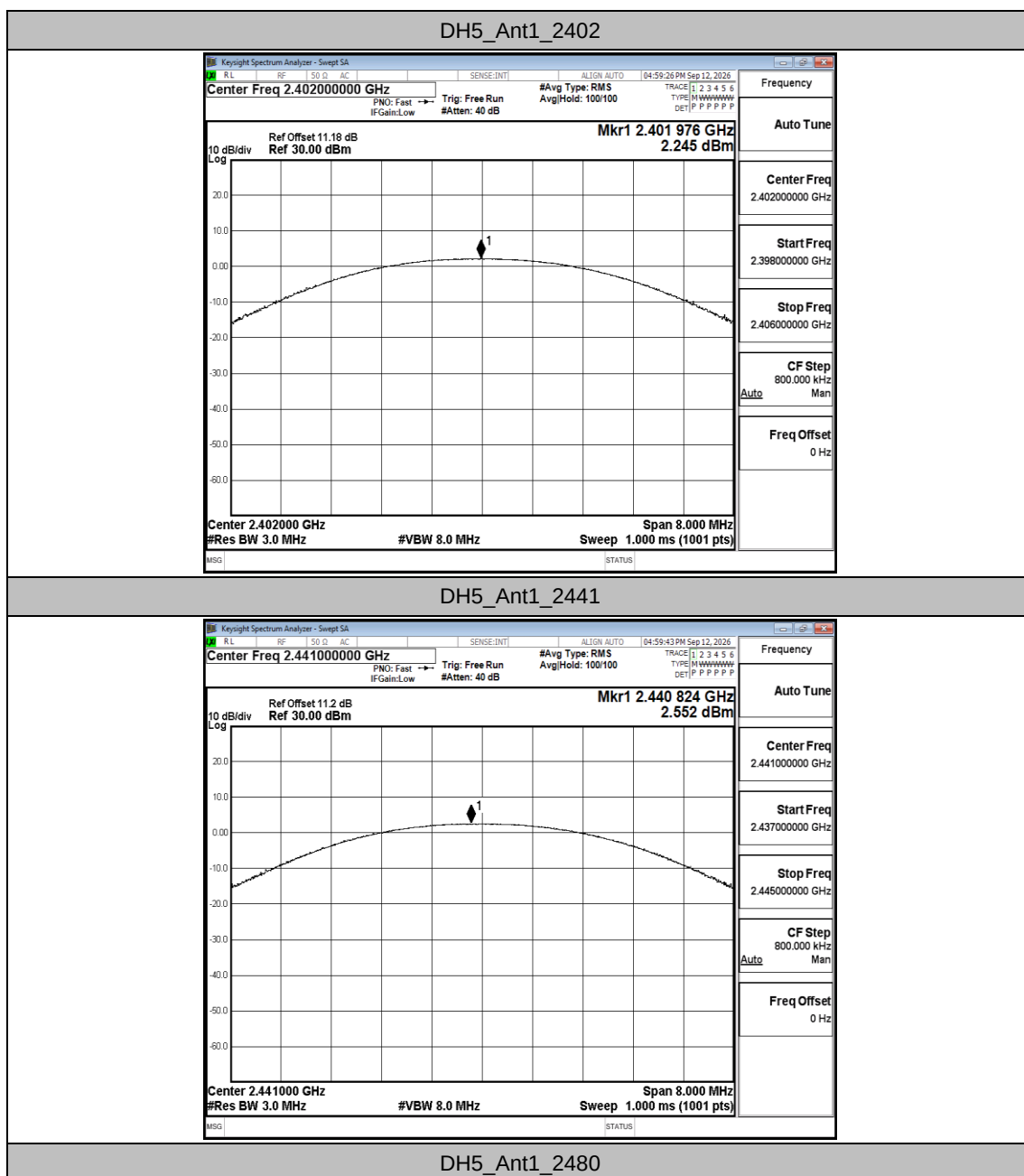


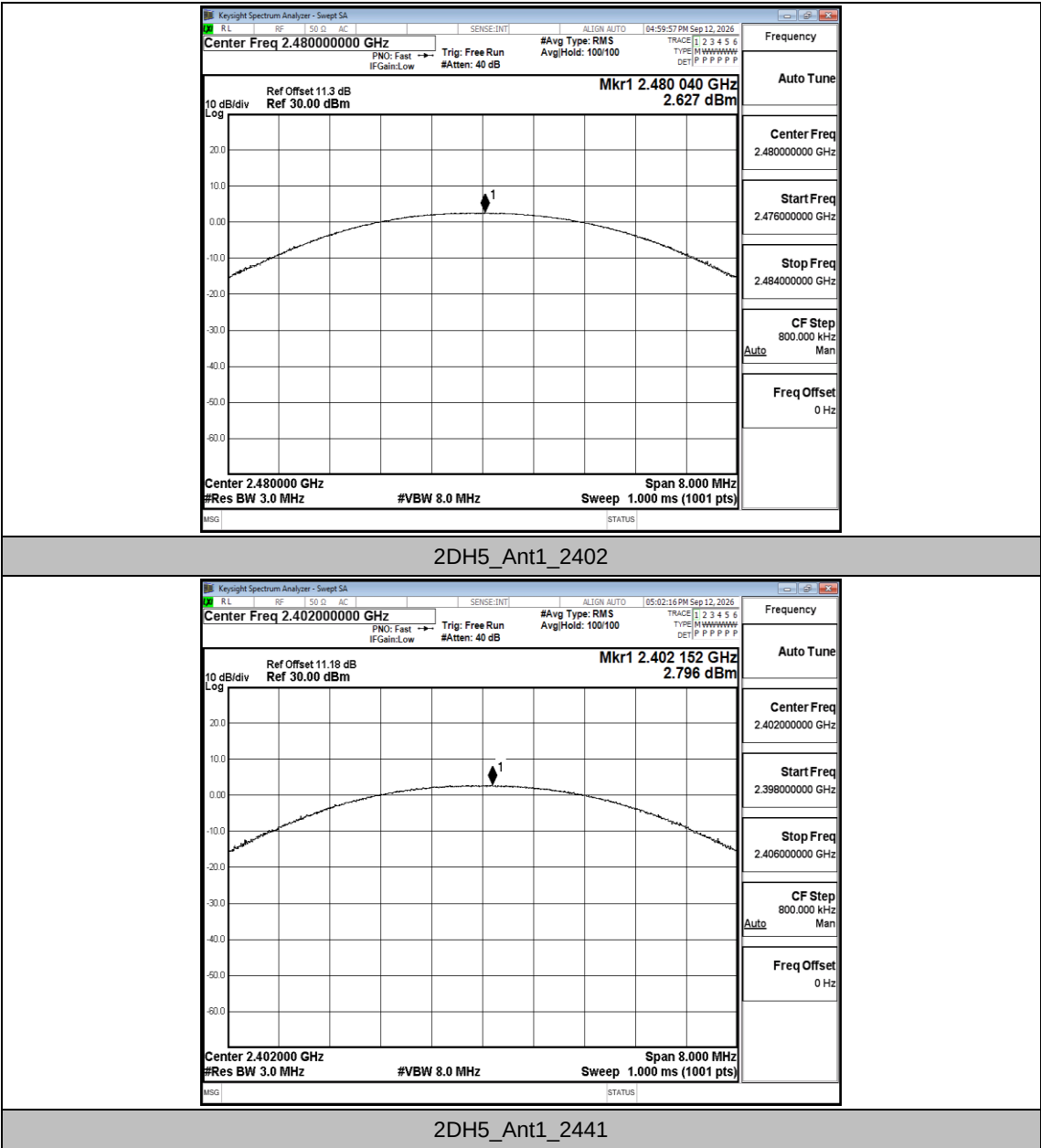
A.2 Maximum Peak conducted output power

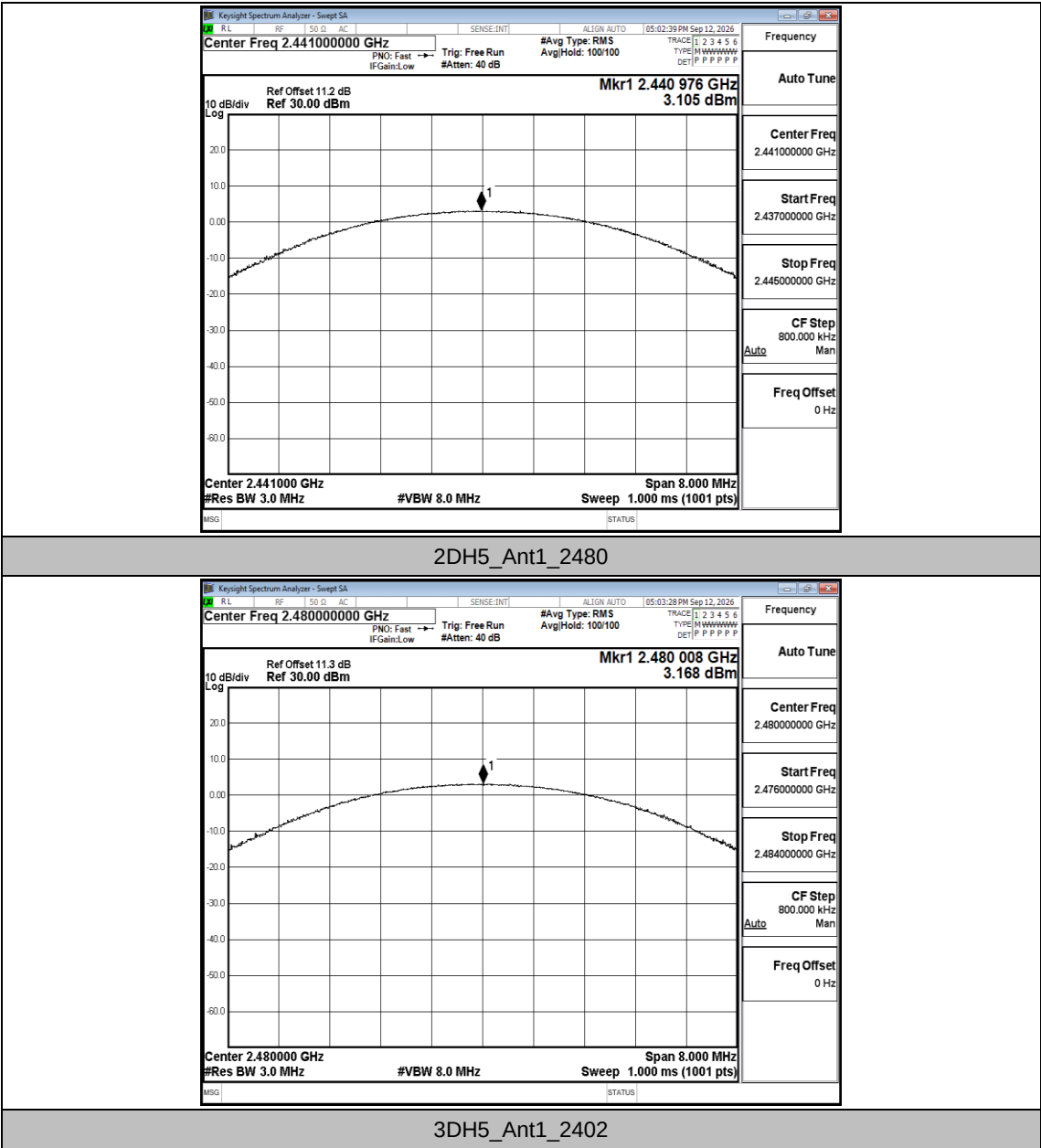
Test Result

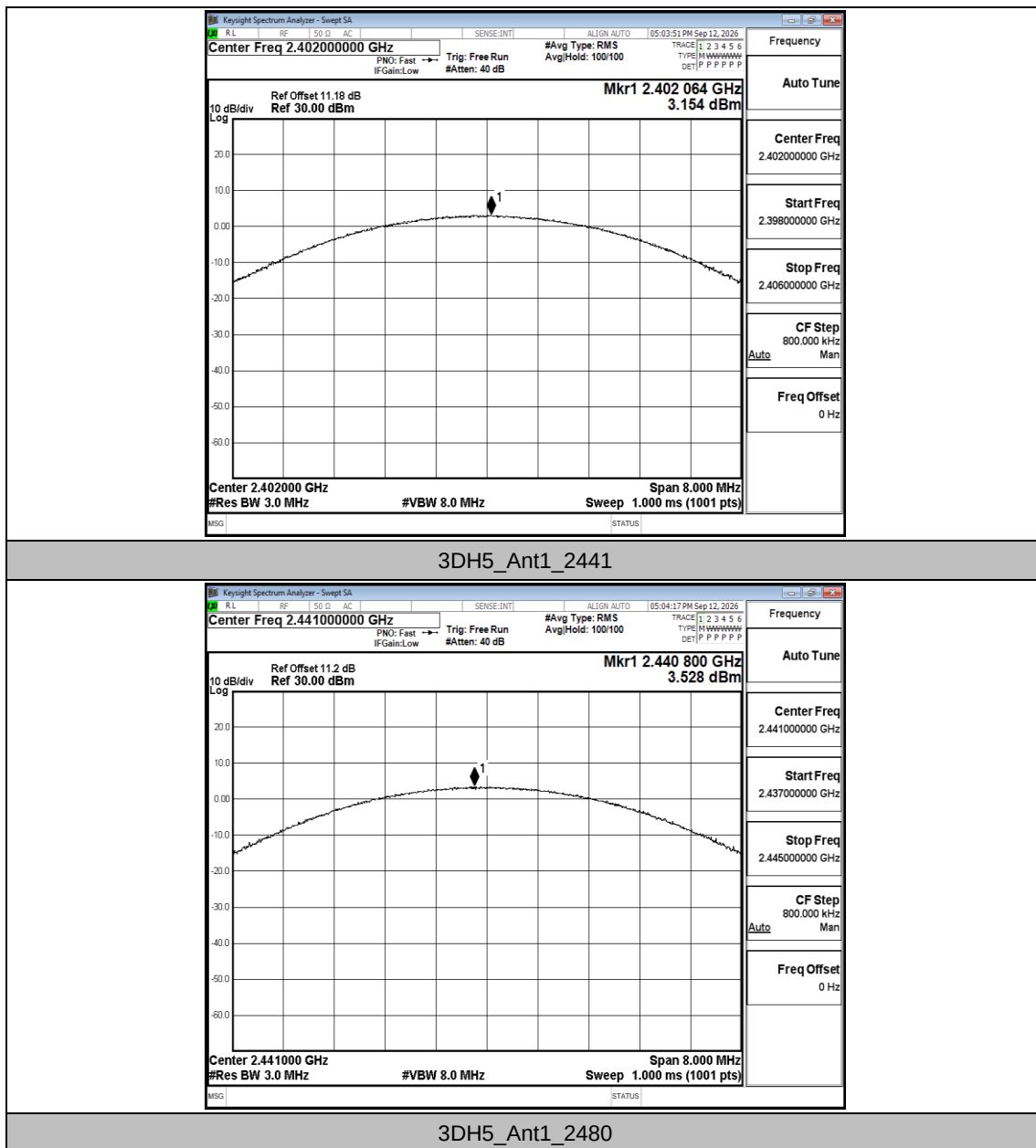
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.25	≤30	PASS
		2441	2.55	≤30	PASS
		2480	2.63	≤30	PASS
2DH5	Ant1	2402	2.80	≤20.97	PASS
		2441	3.11	≤20.97	PASS
		2480	3.17	≤20.97	PASS
3DH5	Ant1	2402	3.15	≤20.97	PASS
		2441	3.53	≤20.97	PASS
		2480	3.48	≤20.97	PASS

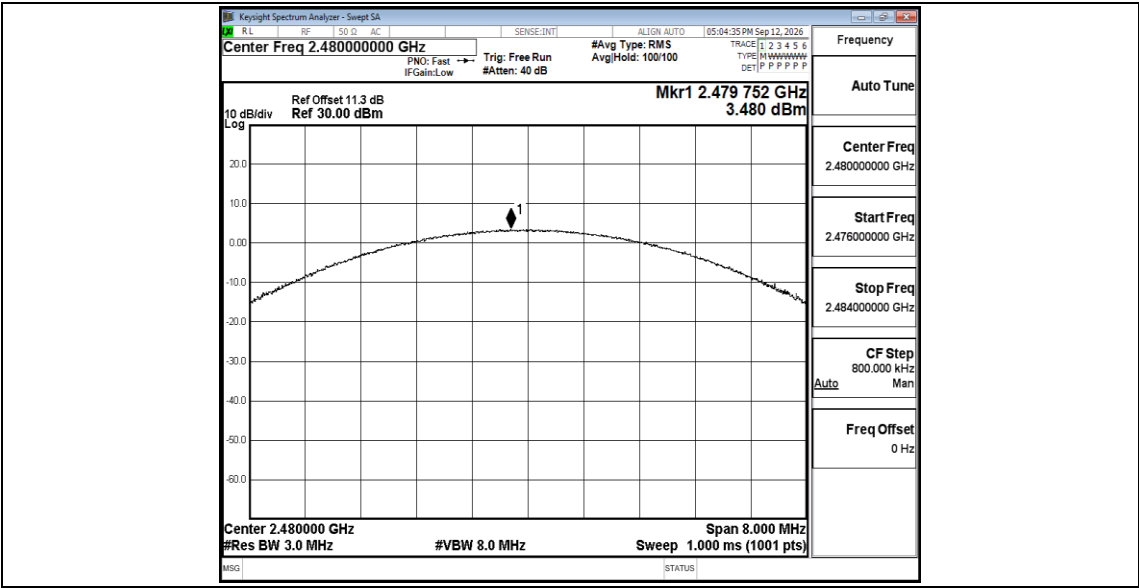
Test Graphs









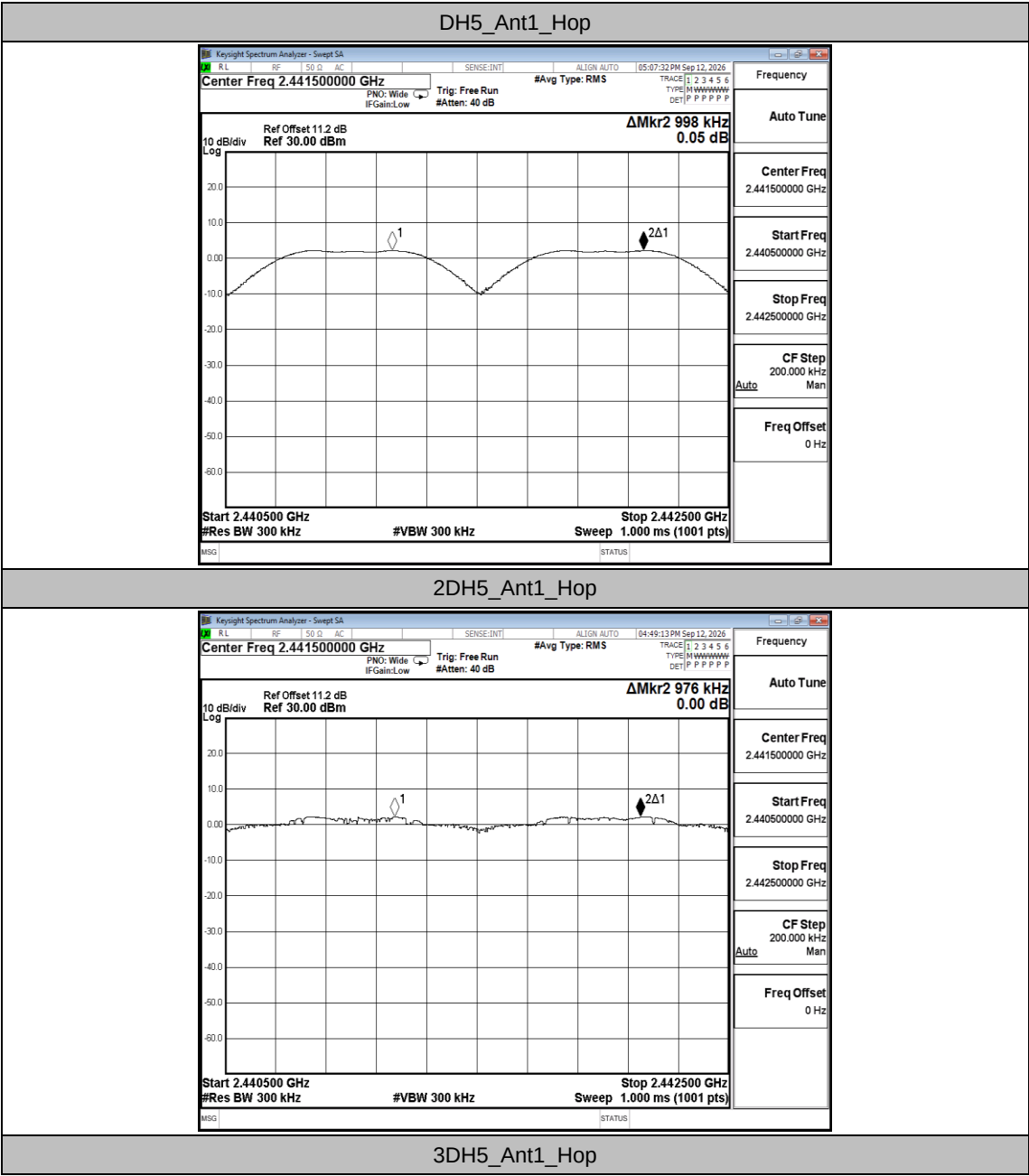


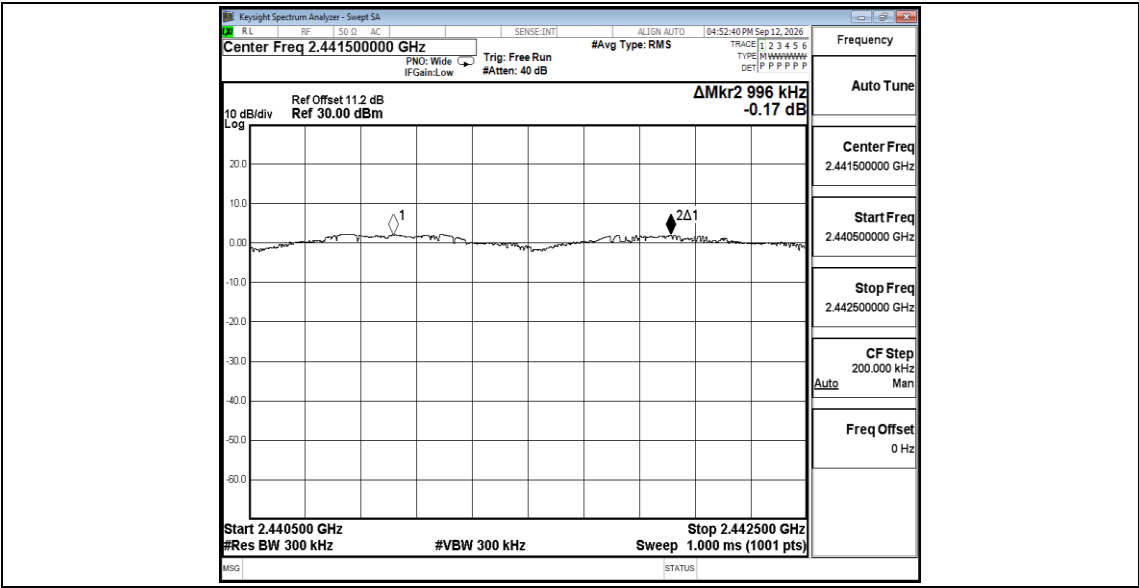
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	≥0.984	PASS
2DH5	Ant1	Hop	0.976	≥0.882	PASS
3DH5	Ant1	Hop	0.996	≥0.868	PASS

Test Graphs



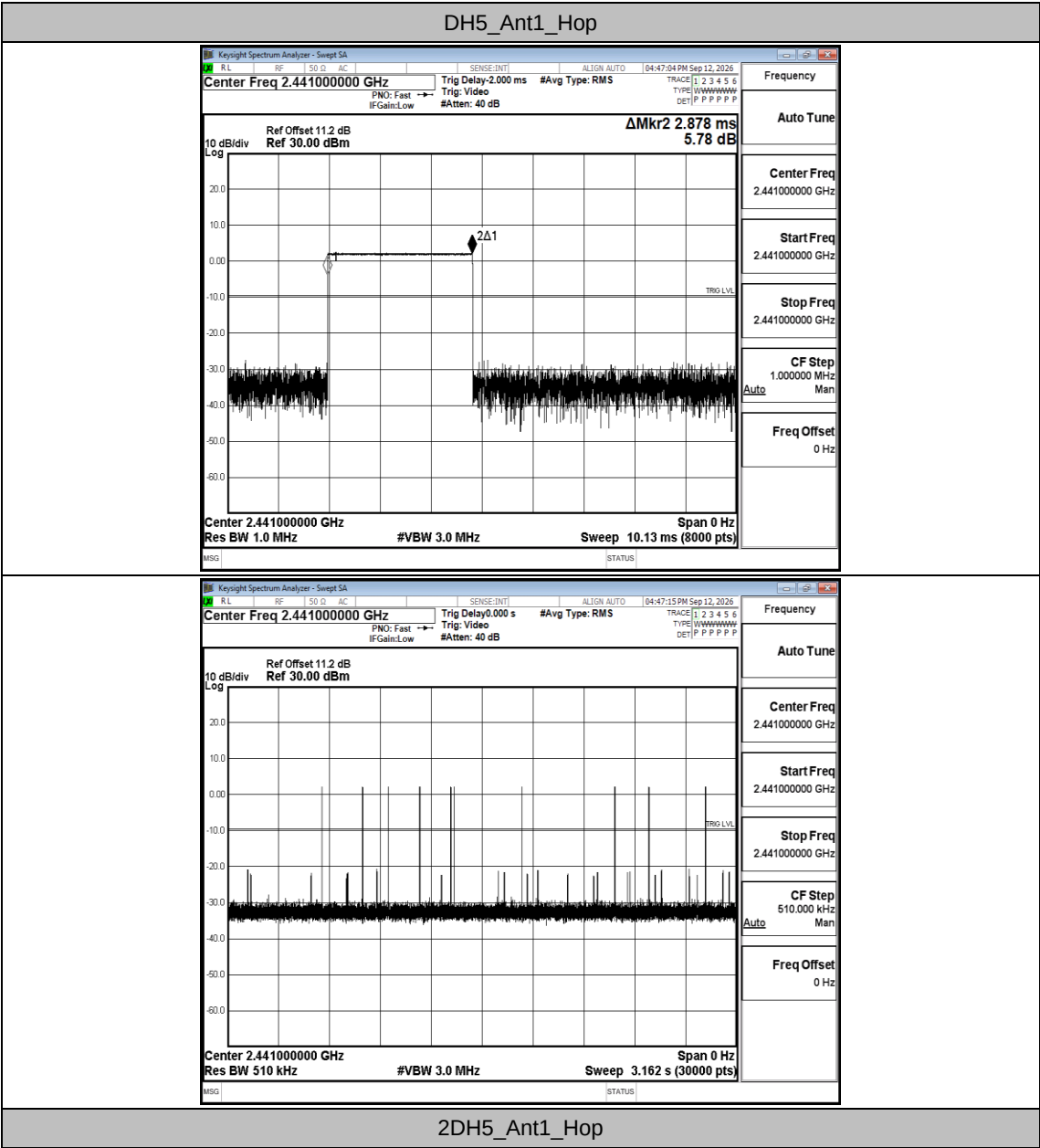


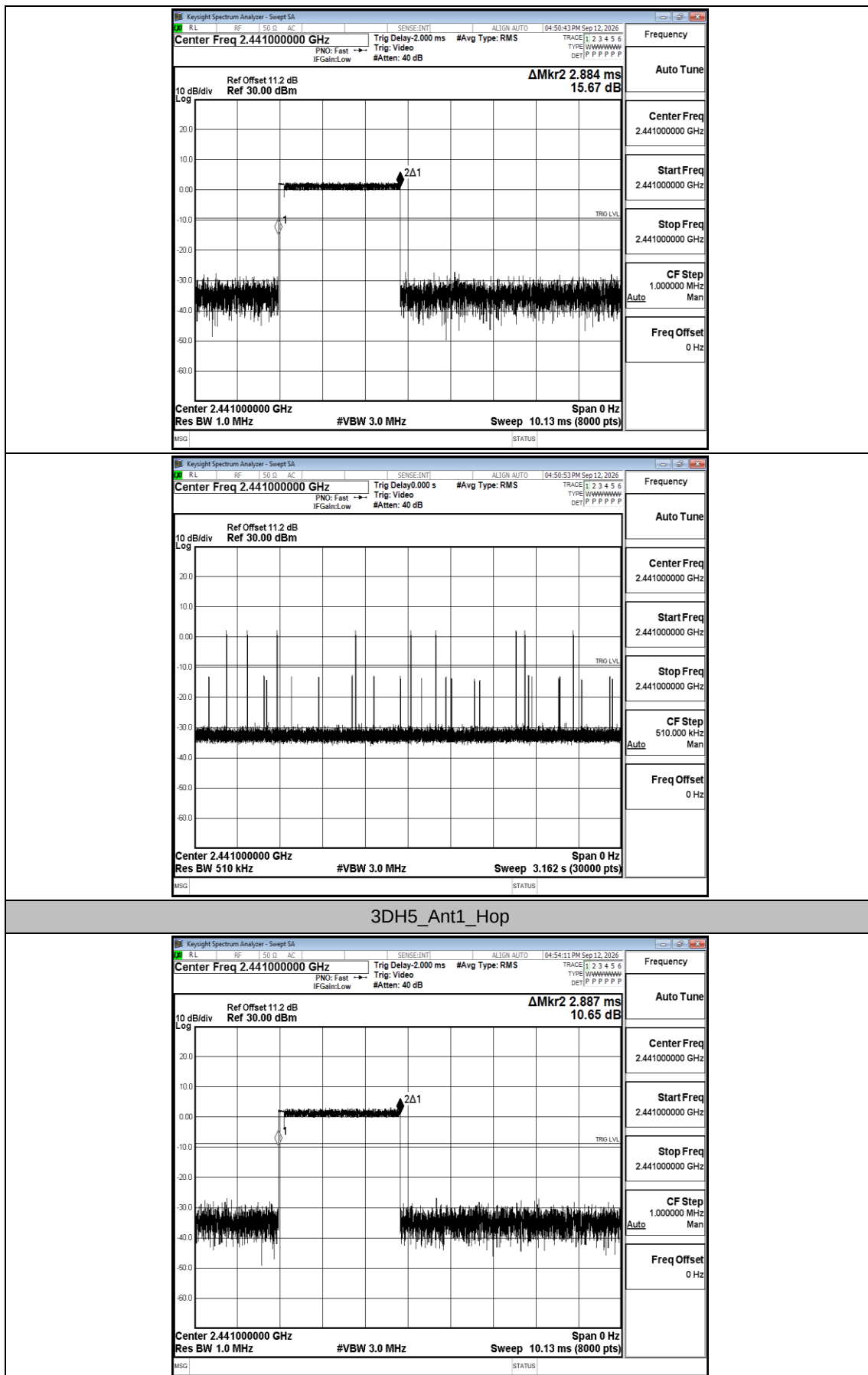
A.4 Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.878	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.884	100	0.288	≤0.4	PASS
3DH5	Ant1	Hop	2.887	120	0.346	≤0.4	PASS

Test Graphs



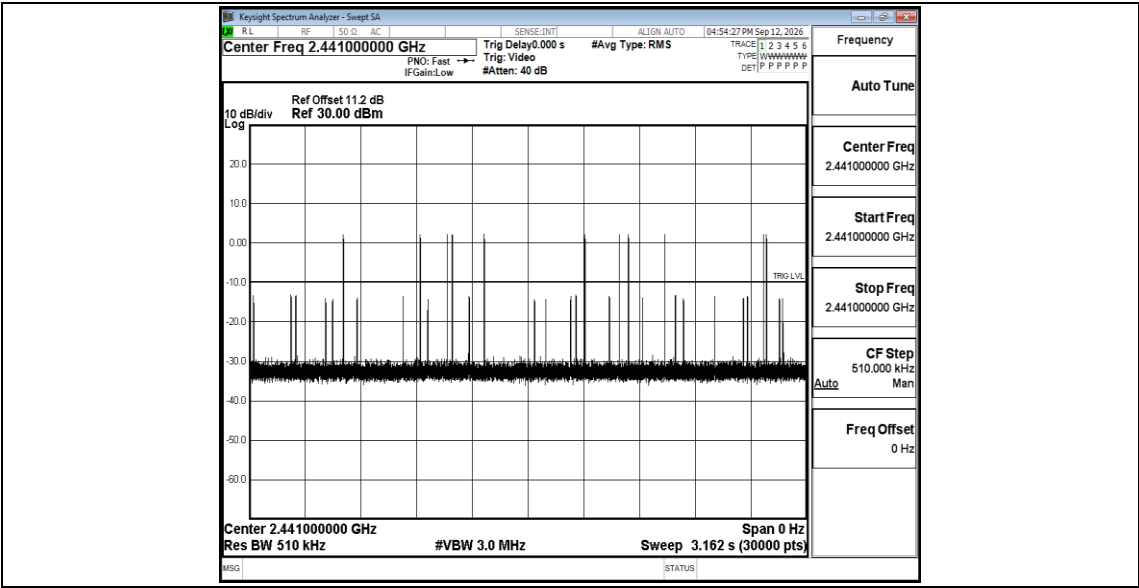


3DH5_Ant1_Hop

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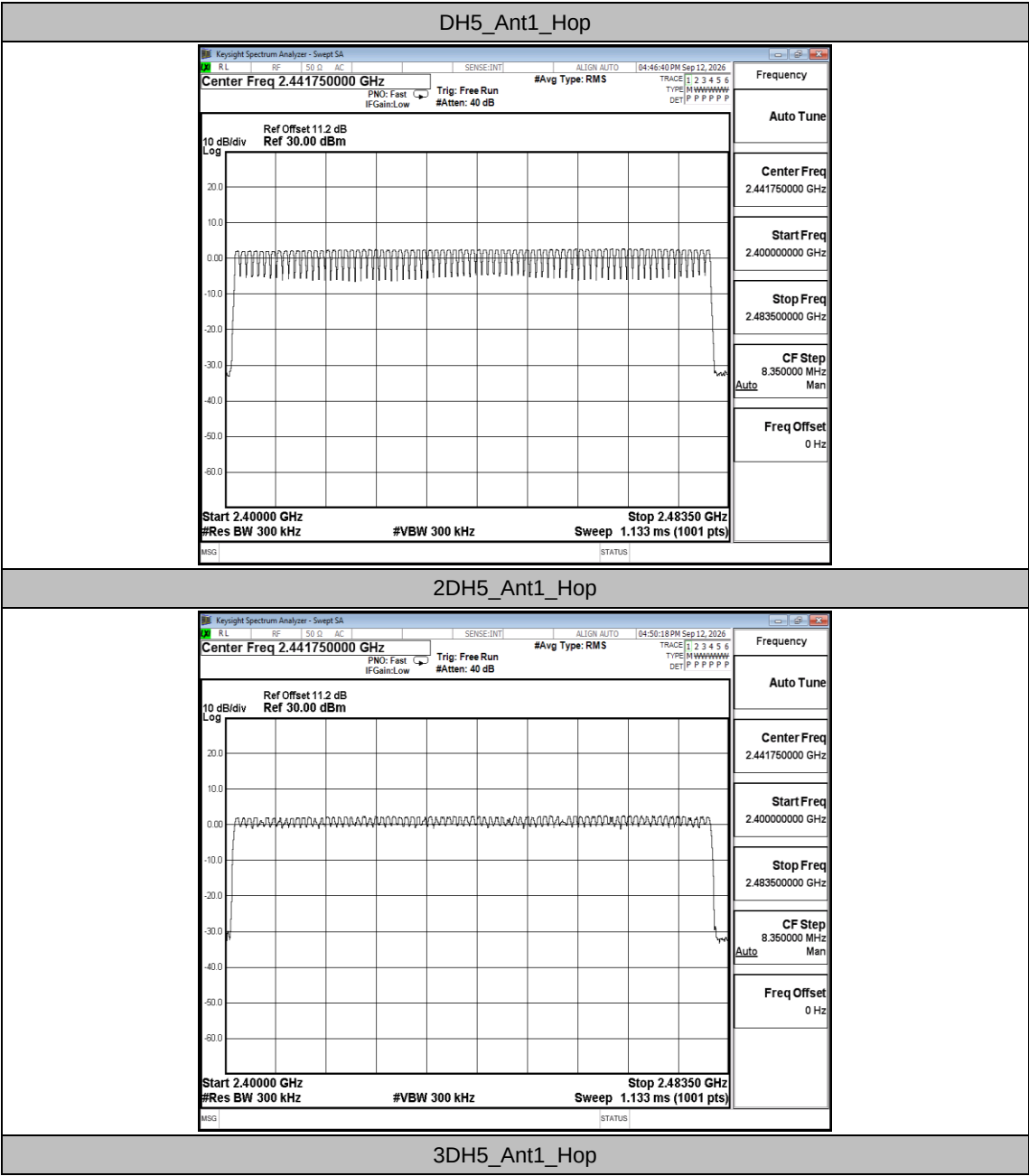


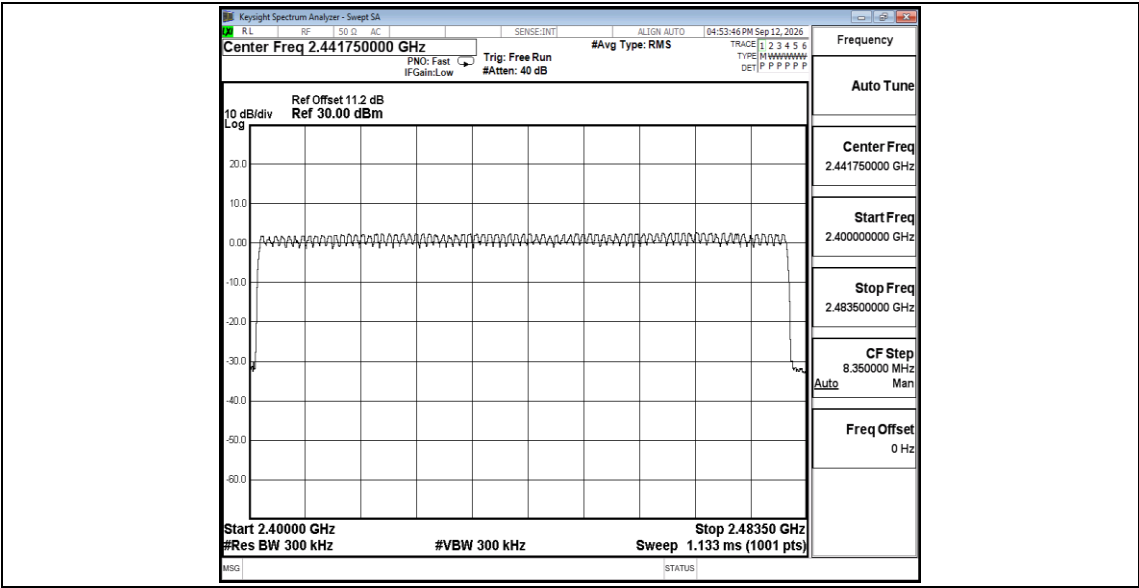
A.5 Number of hopping channels

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



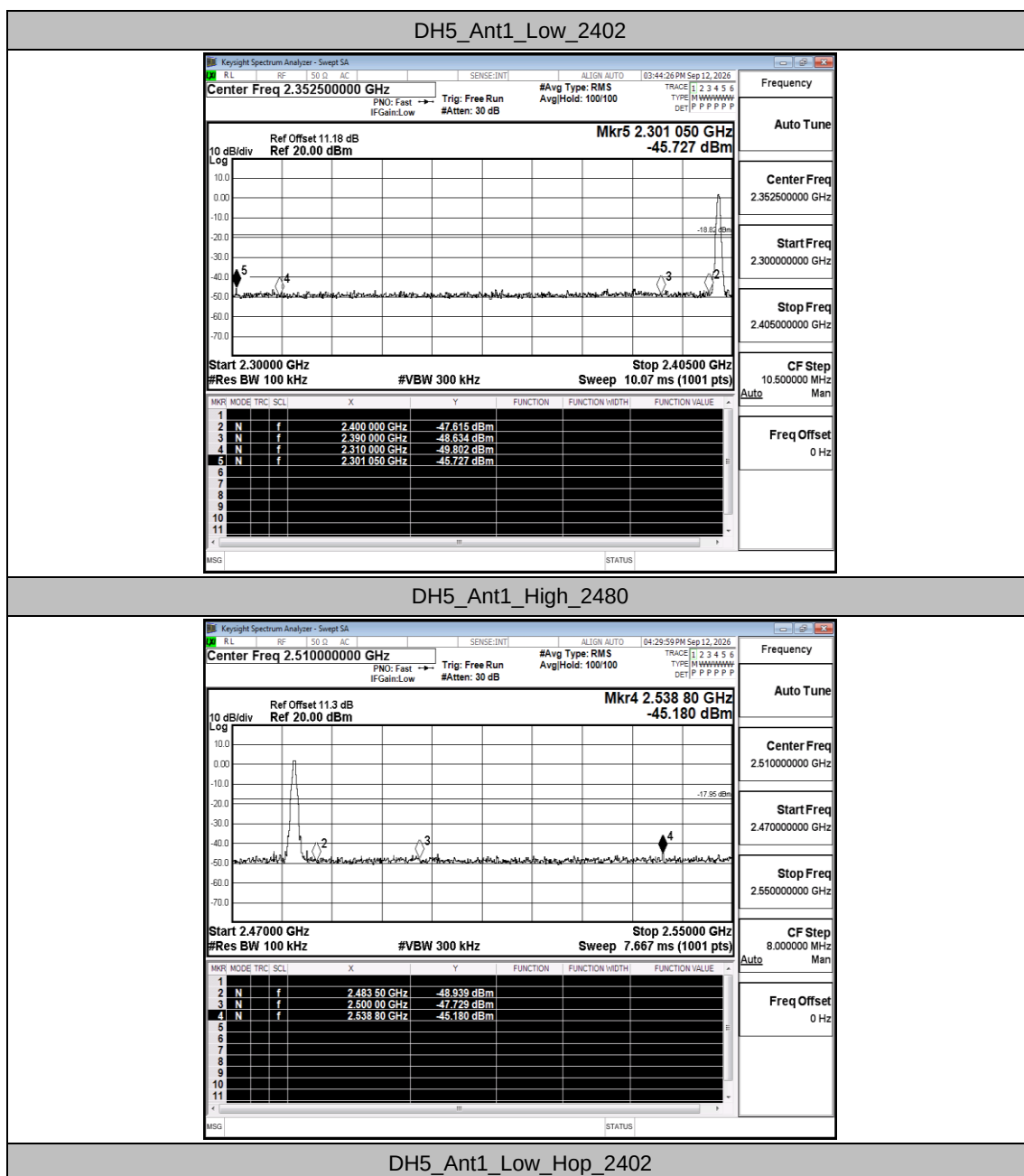


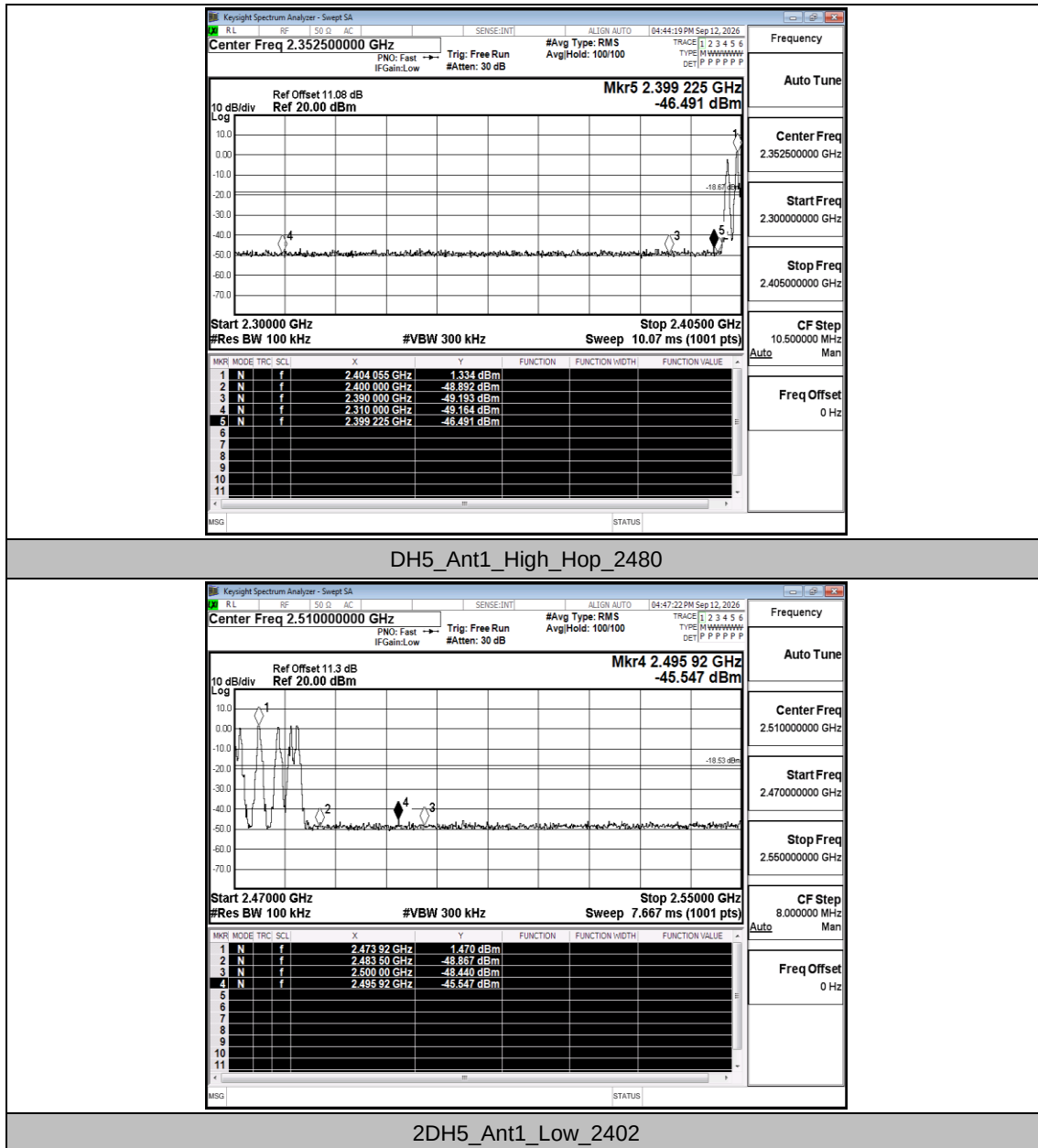
A.6 Band edge measurements

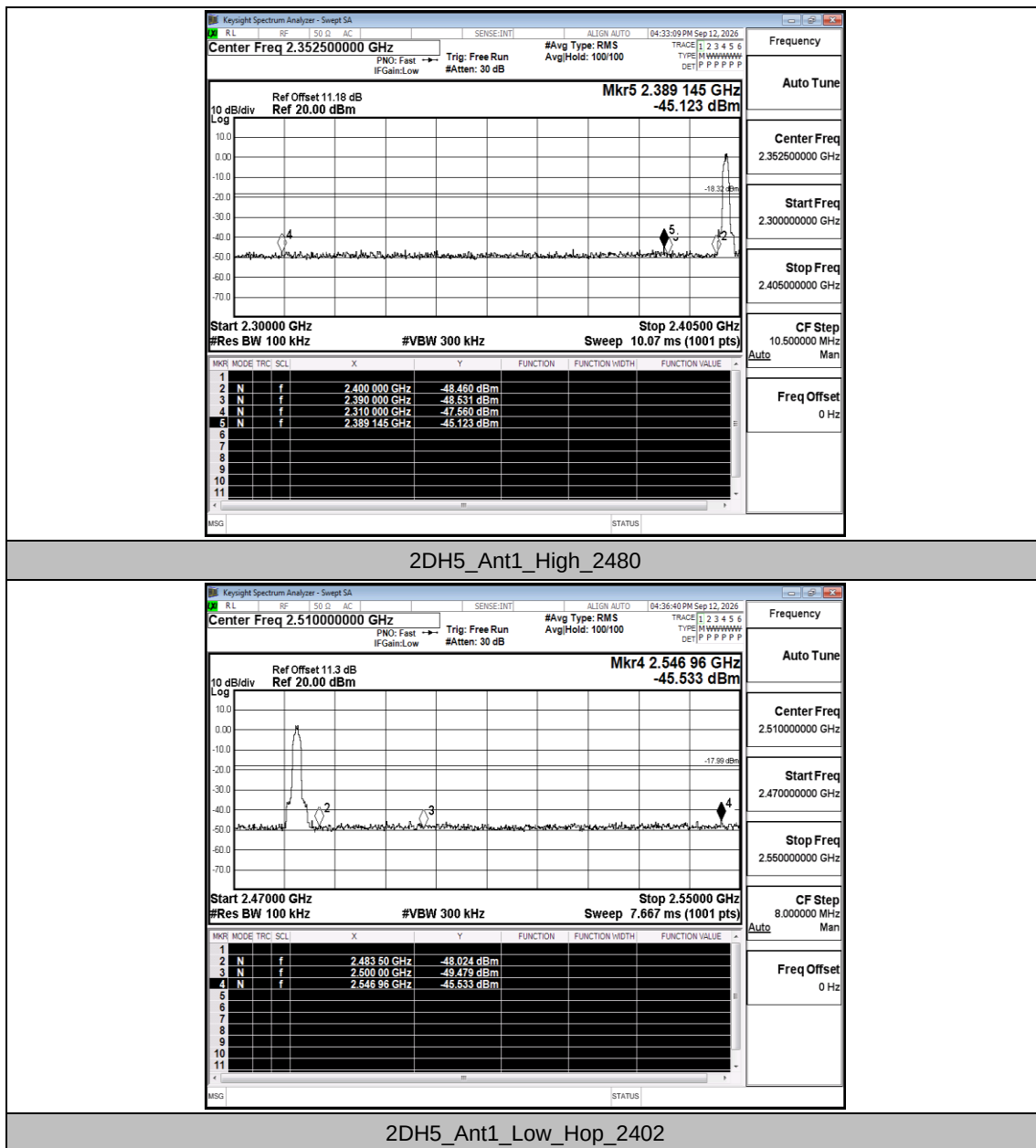
Test Result

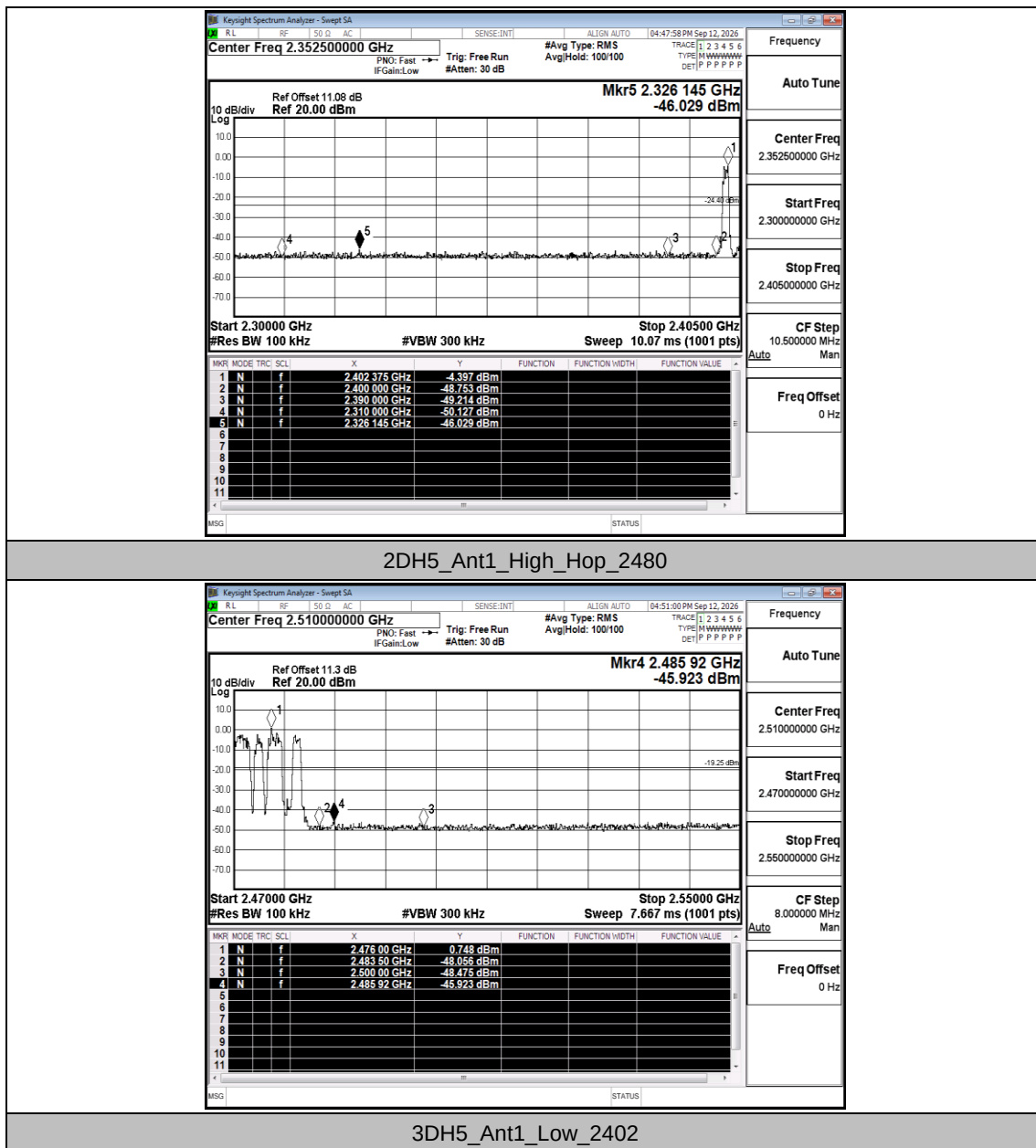
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.18	-45.73	≤ -18.82	PASS
		High	2480	2.05	-45.18	≤ -17.95	PASS
		Low	Hop_2402	1.33	-46.49	≤ -18.67	PASS
		High	Hop_2480	1.47	-45.55	≤ -18.53	PASS
2DH5	Ant1	Low	2402	1.68	-45.12	≤ -18.32	PASS
		High	2480	2.01	-45.53	≤ -17.99	PASS
		Low	Hop_2402	-4.40	-46.03	≤ -24.4	PASS
		High	Hop_2480	0.75	-45.92	≤ -19.25	PASS
3DH5	Ant1	Low	2402	1.32	-46.22	≤ -18.68	PASS
		High	2480	2.04	-45.1	≤ -17.96	PASS
		Low	Hop_2402	-2.23	-46.35	≤ -22.23	PASS
		High	Hop_2480	1.05	-45.68	≤ -18.96	PASS

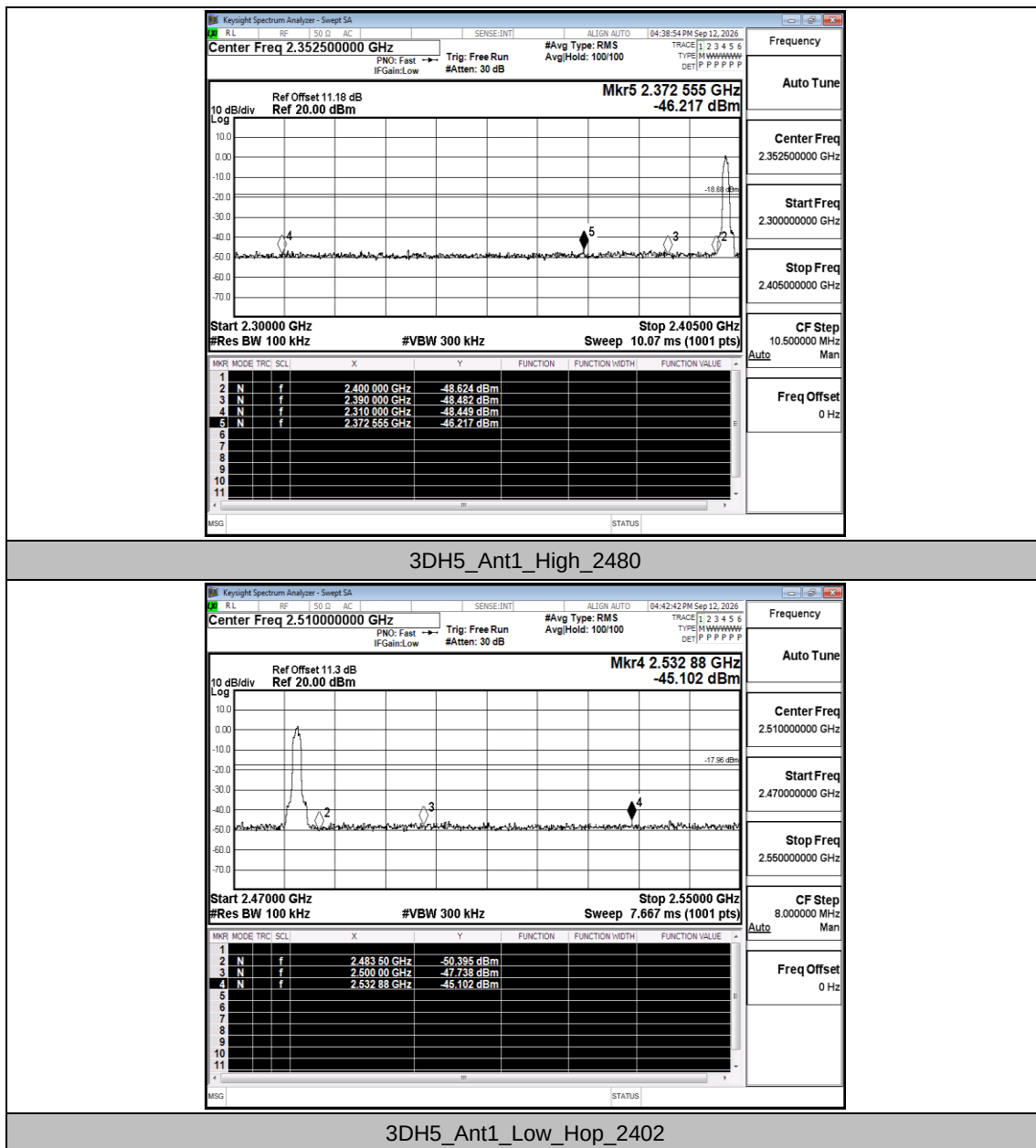
Test Graphs

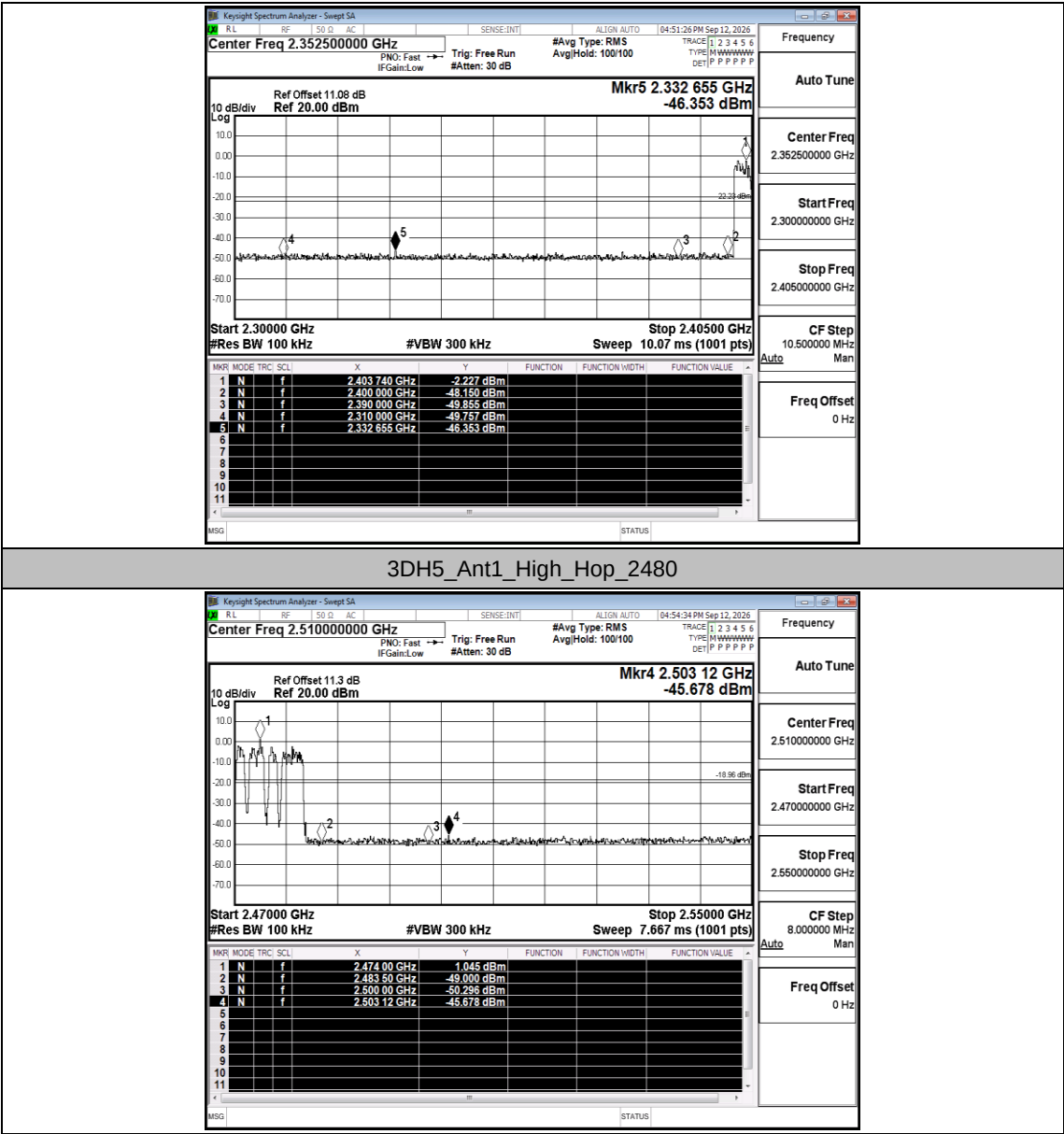












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-69.53	≤-20.03	PASS
			1000~26500	-0.03	-33.95	≤-20.03	PASS
		2441	Reference	-0.14	-0.14	---	PASS
			30~1000	-0.14	-69.75	≤-20.14	PASS
			1000~26500	-0.14	-32.27	≤-20.14	PASS
		2480	Reference	-0.22	-0.22	---	PASS
			30~1000	-0.22	-69.4	≤-20.22	PASS
			1000~26500	-0.22	-31.34	≤-20.22	PASS
2DH5	Ant1	2402	Reference	1.70	1.70	---	PASS
			30~1000	1.70	-51.71	≤-18.3	PASS
			1000~26500	1.70	-38.49	≤-18.3	PASS
		2441	Reference	2.01	2.01	---	PASS
			30~1000	2.01	-66.69	≤-17.99	PASS
			1000~26500	2.01	-37.38	≤-17.99	PASS
		2480	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-66.55	≤-17.97	PASS
			1000~26500	2.03	-35.8	≤-17.97	PASS
3DH5	Ant1	2402	Reference	1.68	1.68	---	PASS
			30~1000	1.68	-64.91	≤-18.32	PASS
			1000~26500	1.68	-39.03	≤-18.32	PASS
		2441	Reference	1.98	1.98	---	PASS
			30~1000	1.98	-62.13	≤-18.02	PASS
			1000~26500	1.98	-32.41	≤-18.02	PASS
		2480	Reference	2.05	2.05	---	PASS
			30~1000	2.05	-65.91	≤-17.95	PASS
			1000~26500	2.05	-35.49	≤-17.95	PASS

Test Graphs

