

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: VU METER RECORD PLAYER WITH SPEAKERS

Test Model: CR7504A-WA

Environmental Conditions

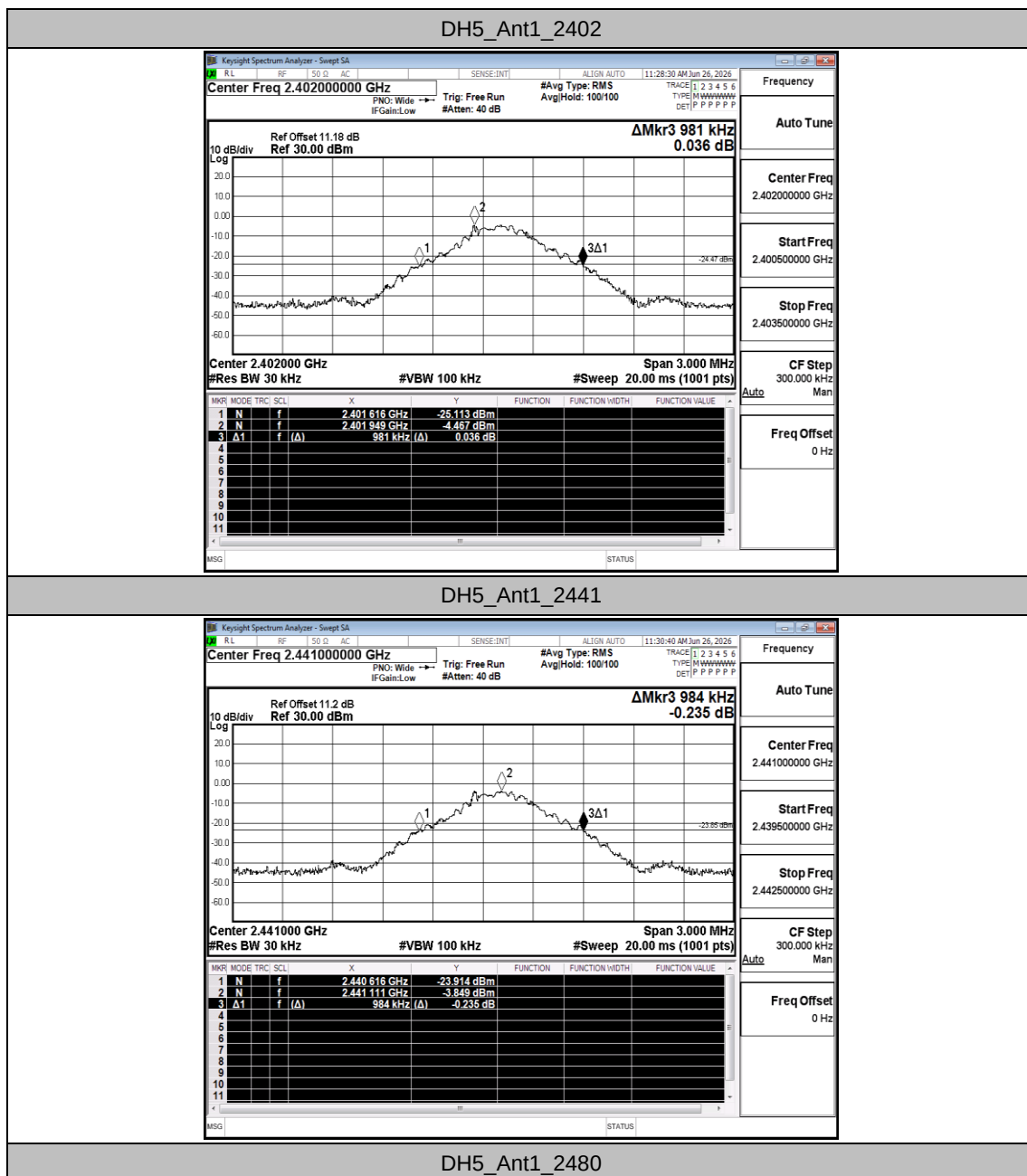
Temperature:	23.0°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

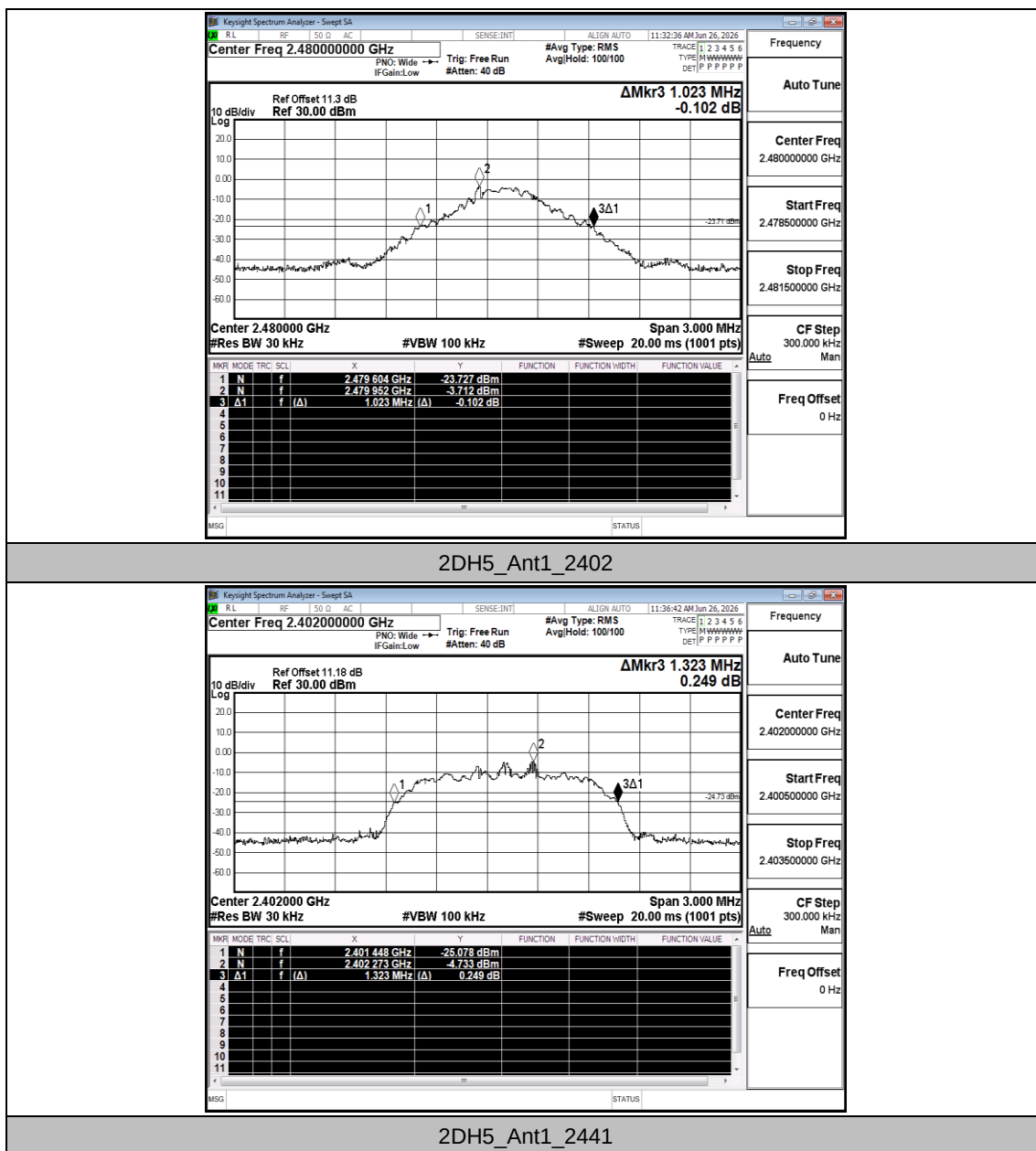
A.1 20dB Emission Bandwidth

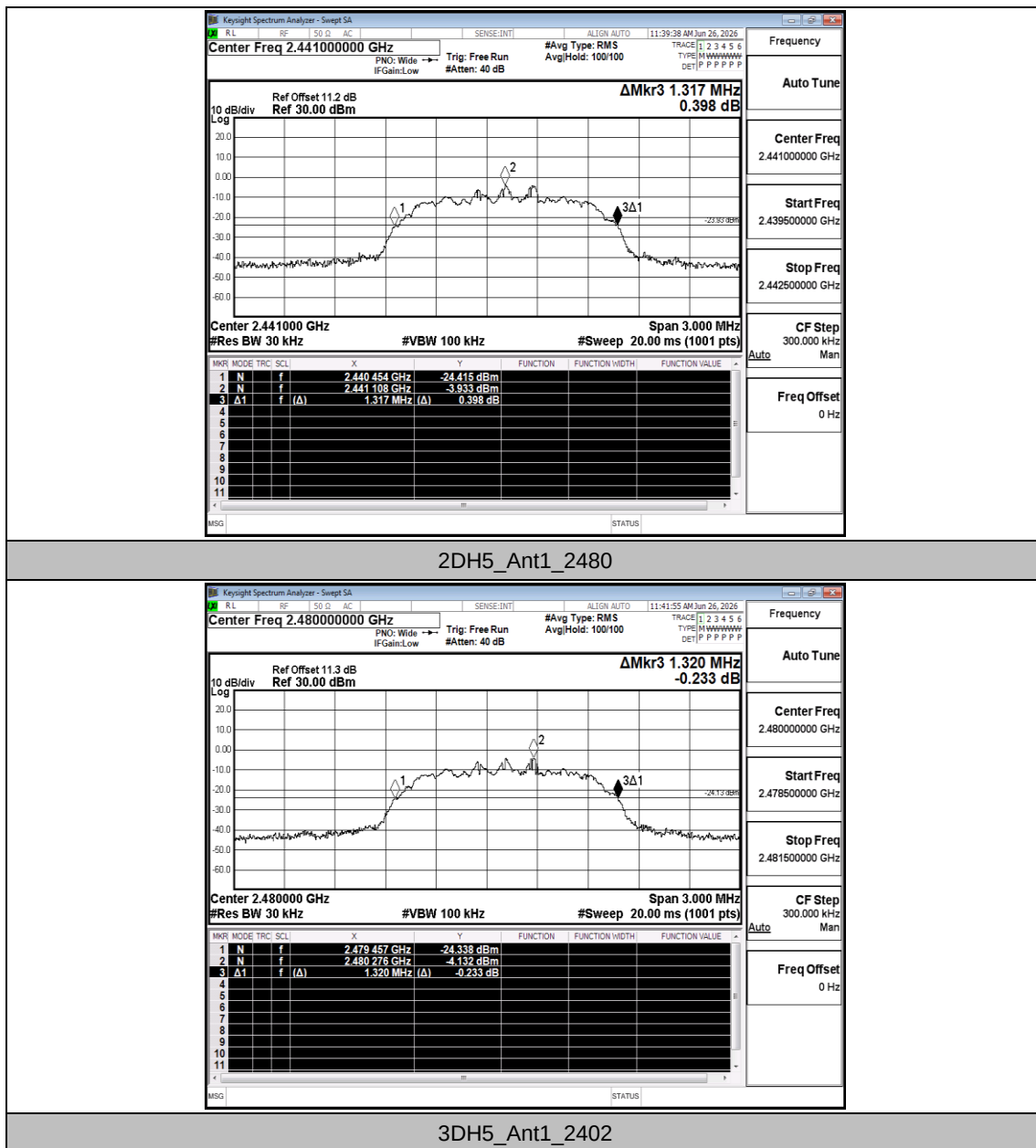
Test Result

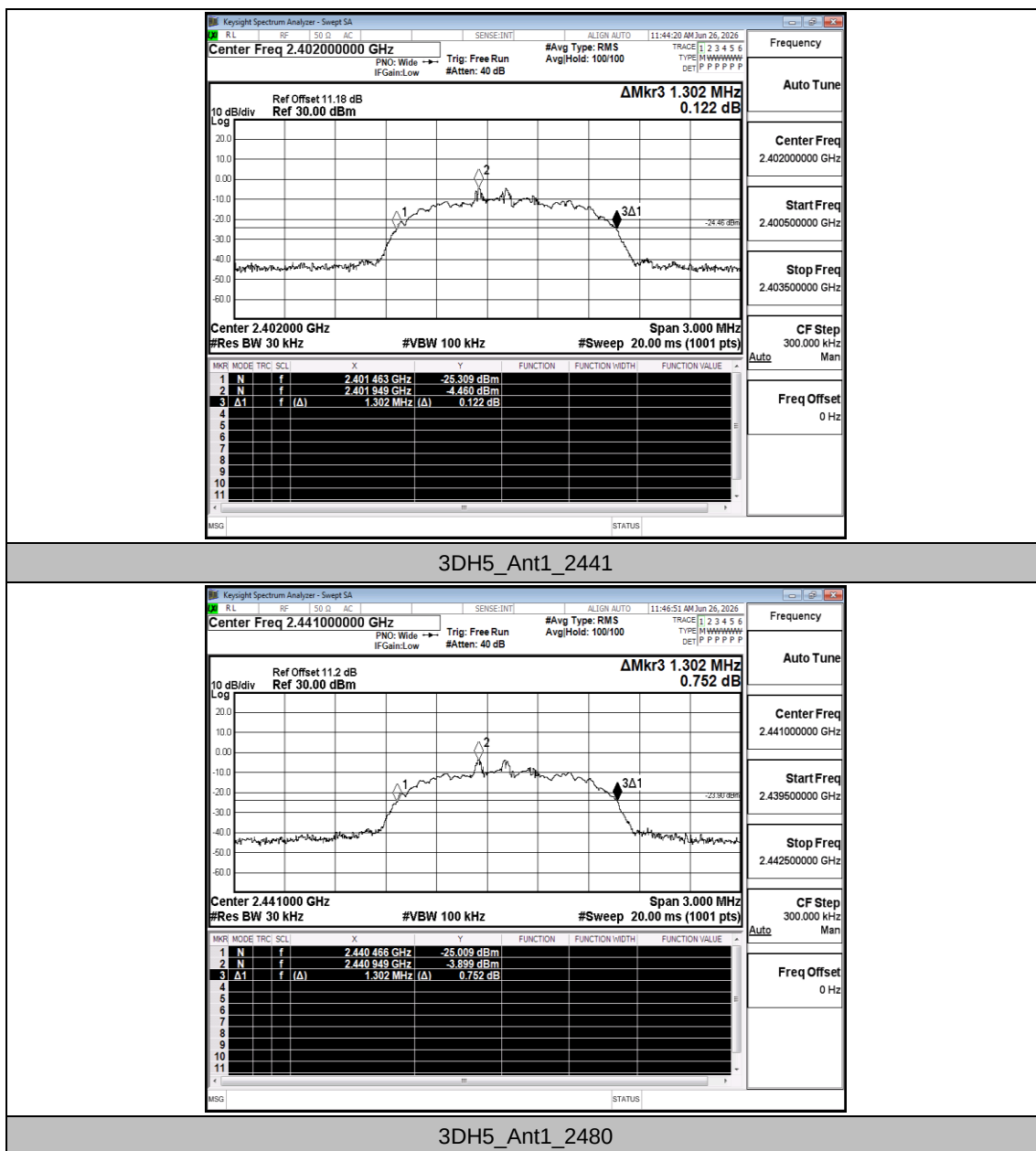
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.981	2401.616	2402.597	---	---
		2441	0.984	2440.616	2441.600	---	---
		2480	1.023	2479.604	2480.627	---	---
2DH5	Ant1	2402	1.323	2401.448	2402.771	---	---
		2441	1.317	2440.454	2441.771	---	---
		2480	1.320	2479.457	2480.777	---	---
3DH5	Ant1	2402	1.302	2401.463	2402.765	---	---
		2441	1.302	2440.466	2441.768	---	---
		2480	1.296	2479.469	2480.765	---	---

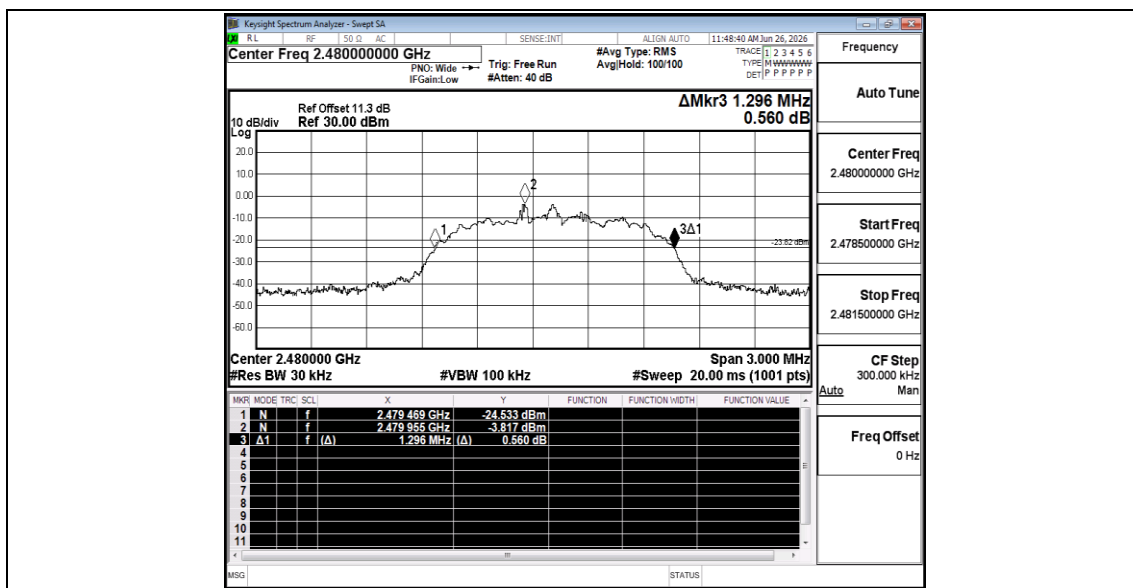
Test Graphs









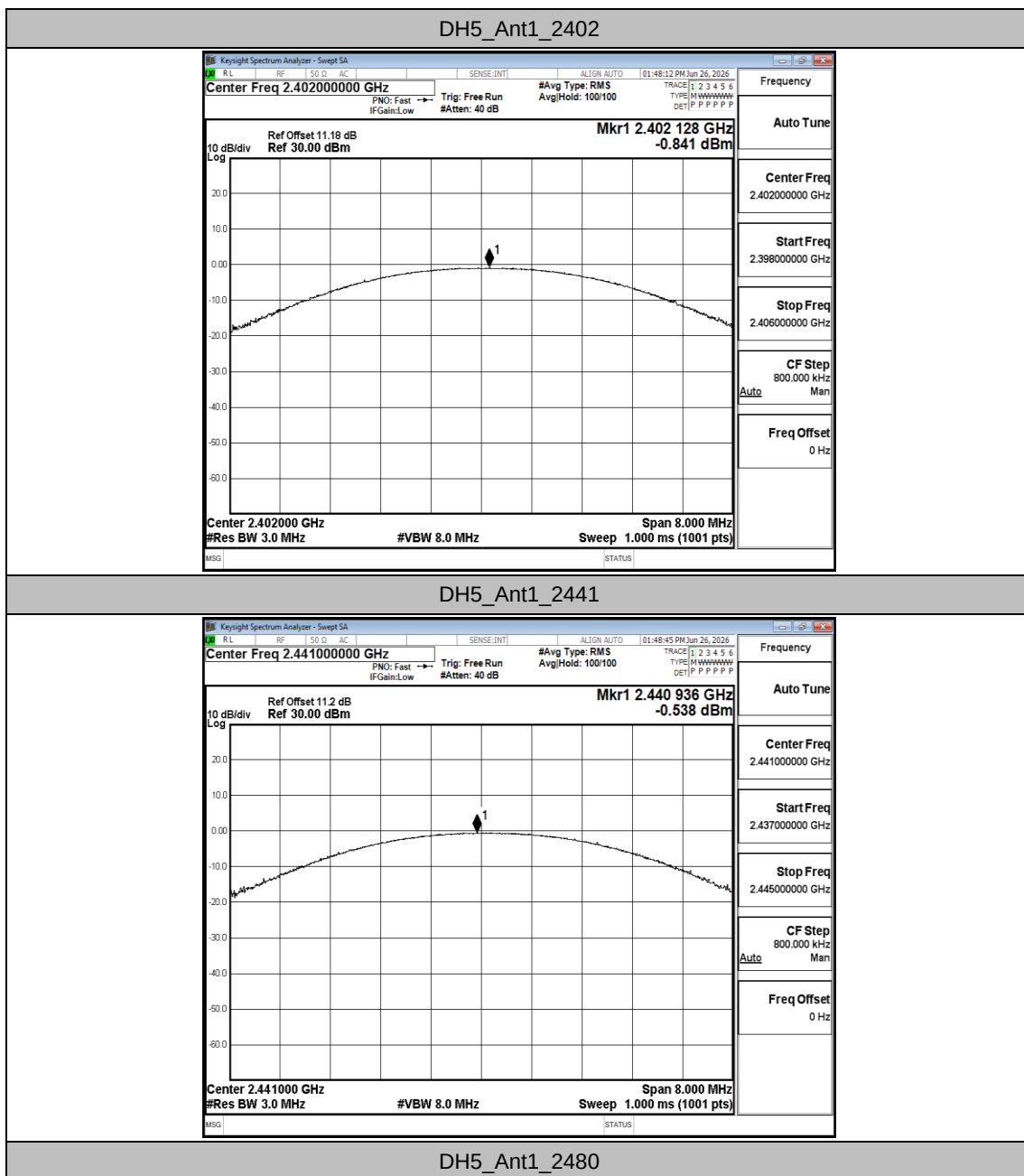


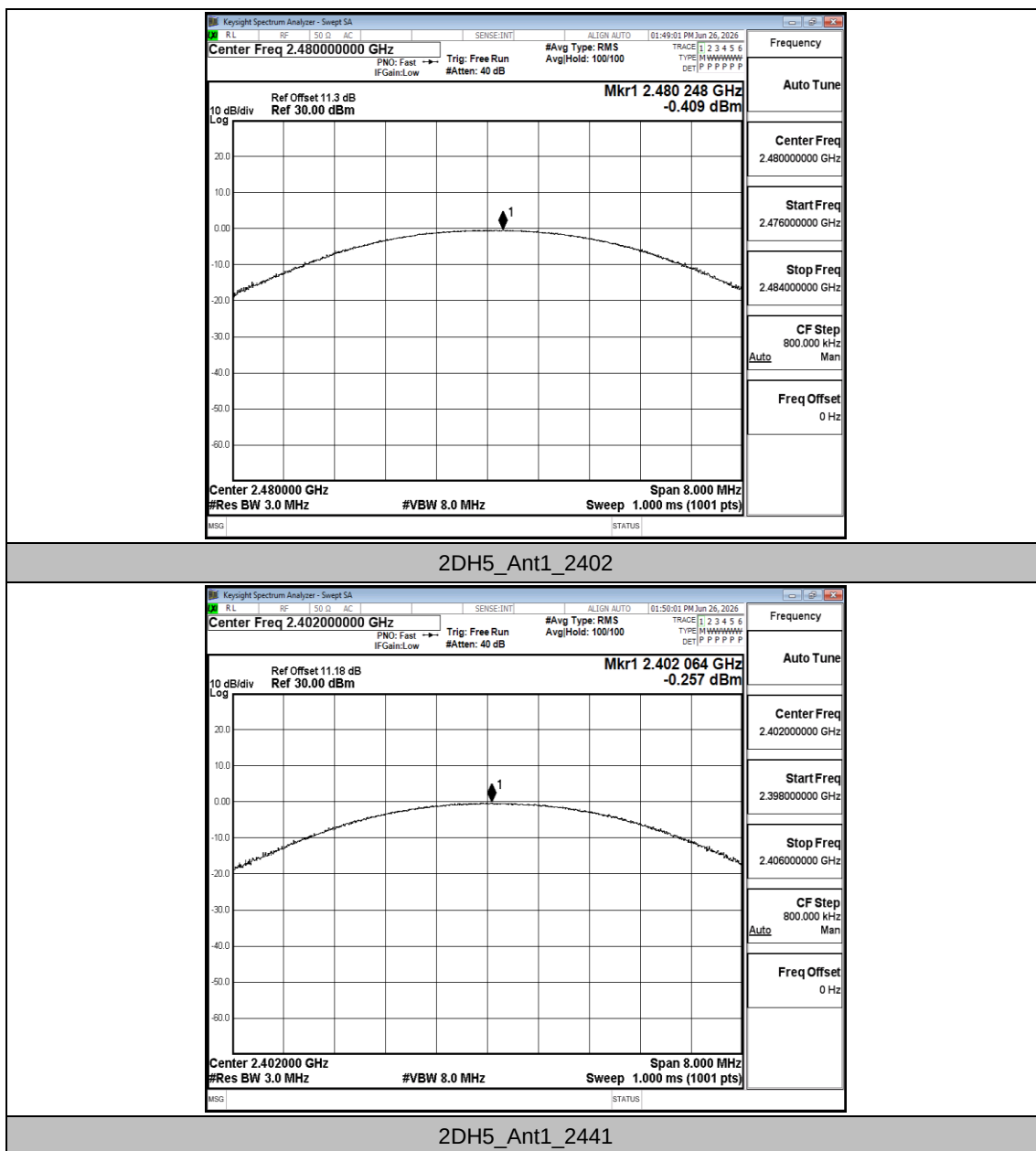
A.2 Maximum Peak conducted output power

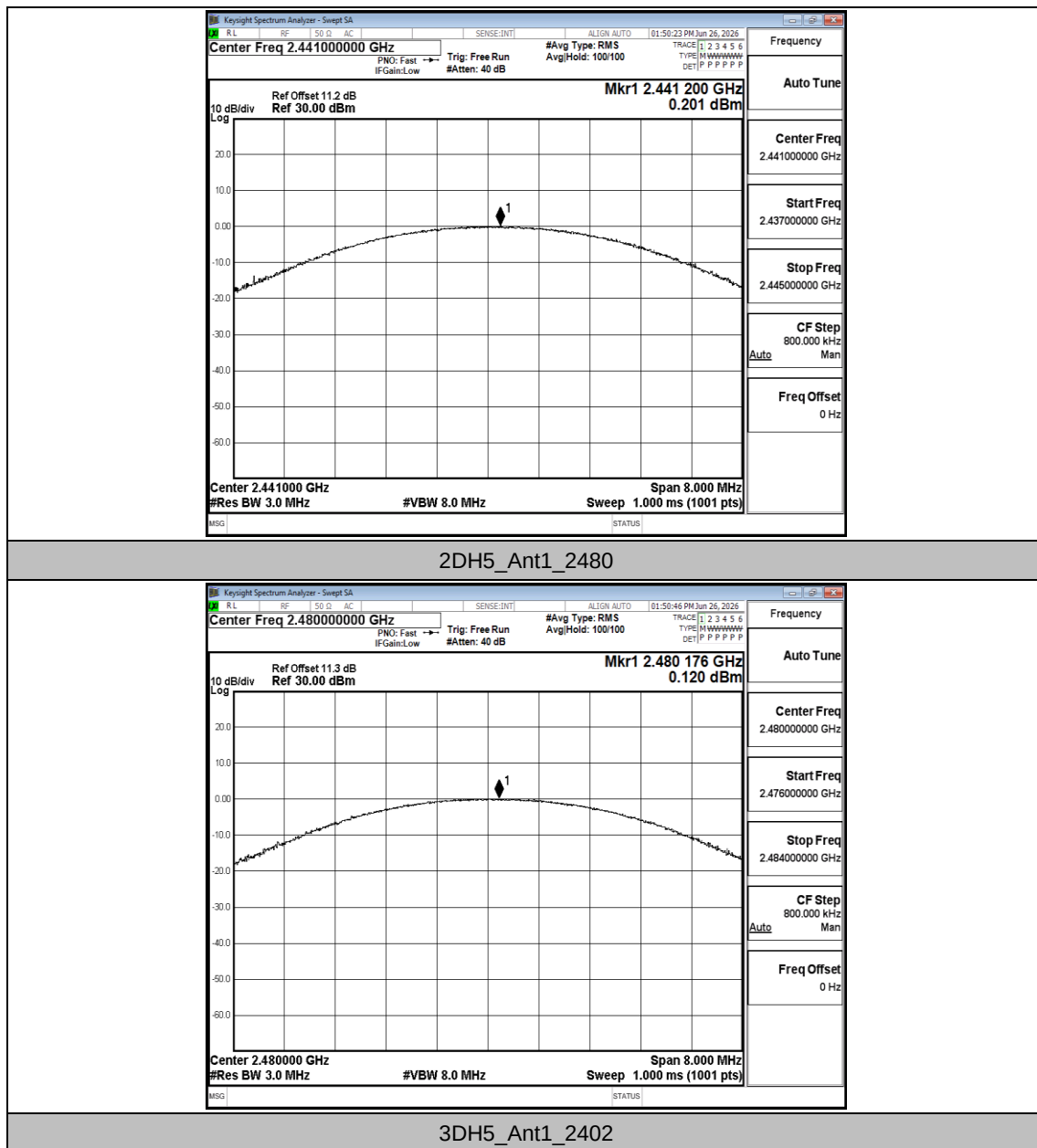
Test Result Peak

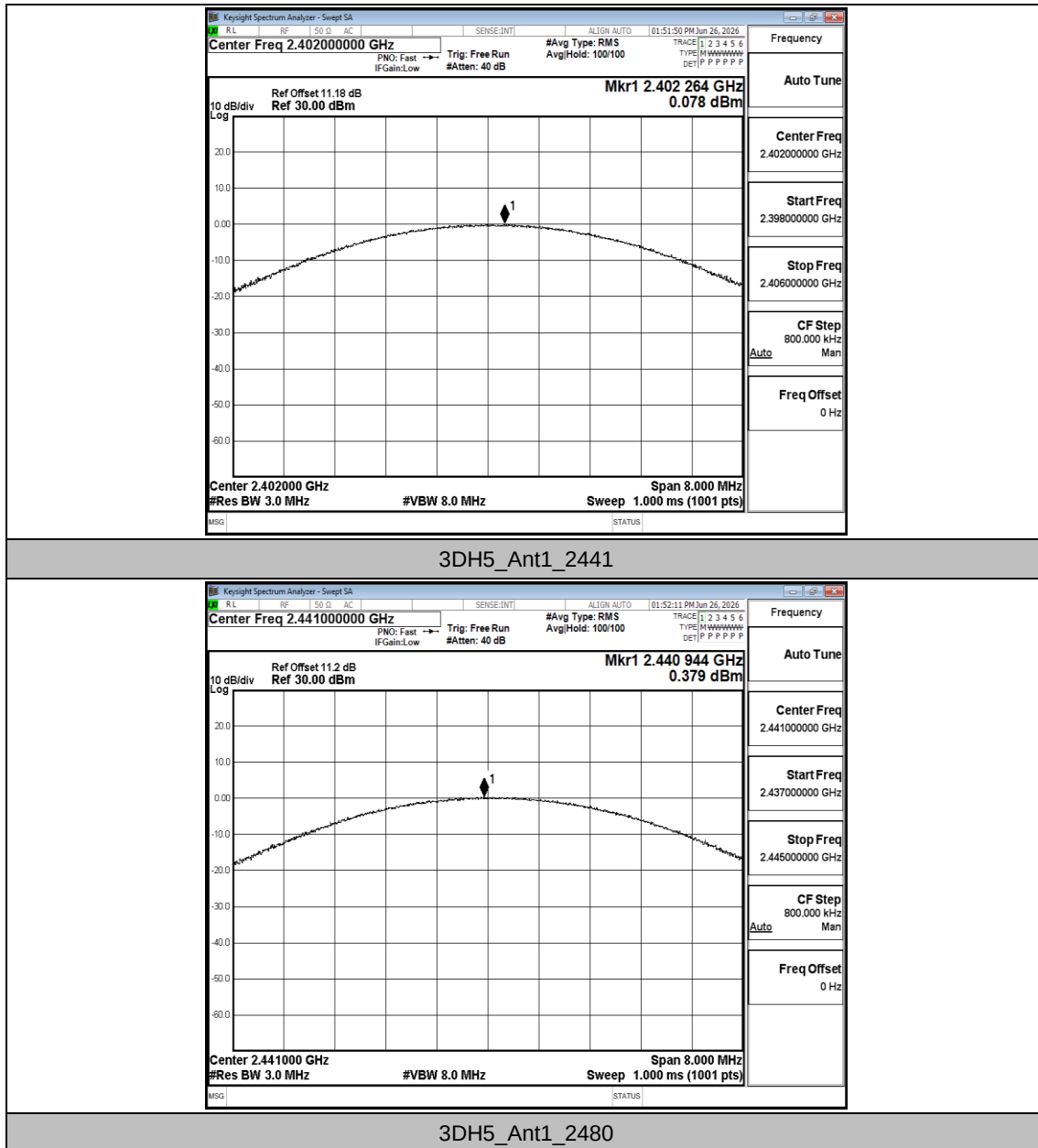
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.84	≤30	PASS
		2441	-0.54	≤30	PASS
		2480	-0.41	≤30	PASS
2DH5	Ant1	2402	-0.26	≤30	PASS
		2441	0.20	≤30	PASS
		2480	0.12	≤30	PASS
3DH5	Ant1	2402	0.08	≤30	PASS
		2441	0.38	≤30	PASS
		2480	0.43	≤30	PASS

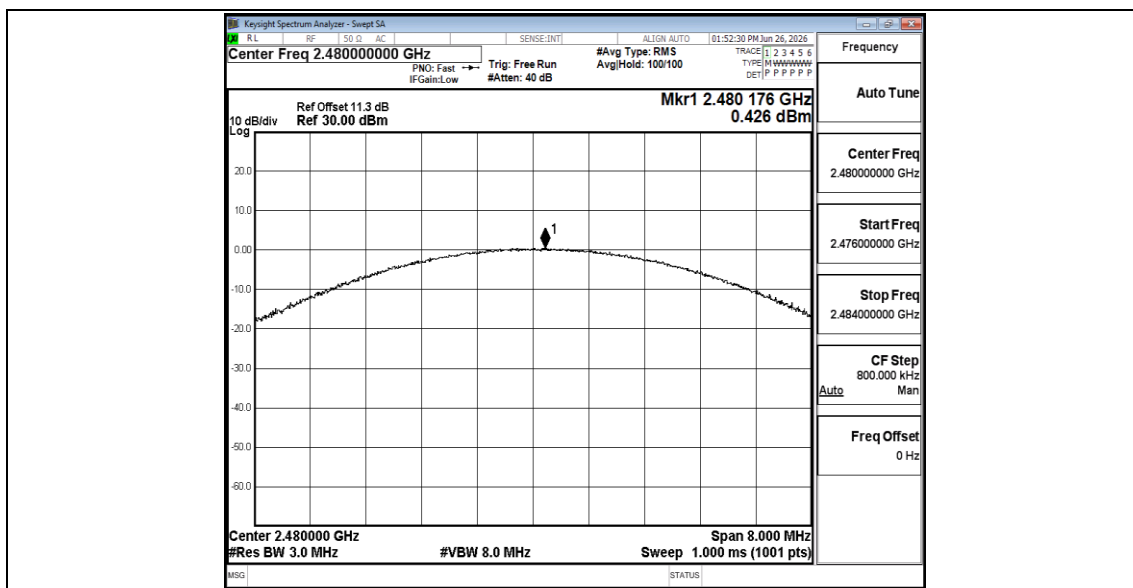
Test Graphs









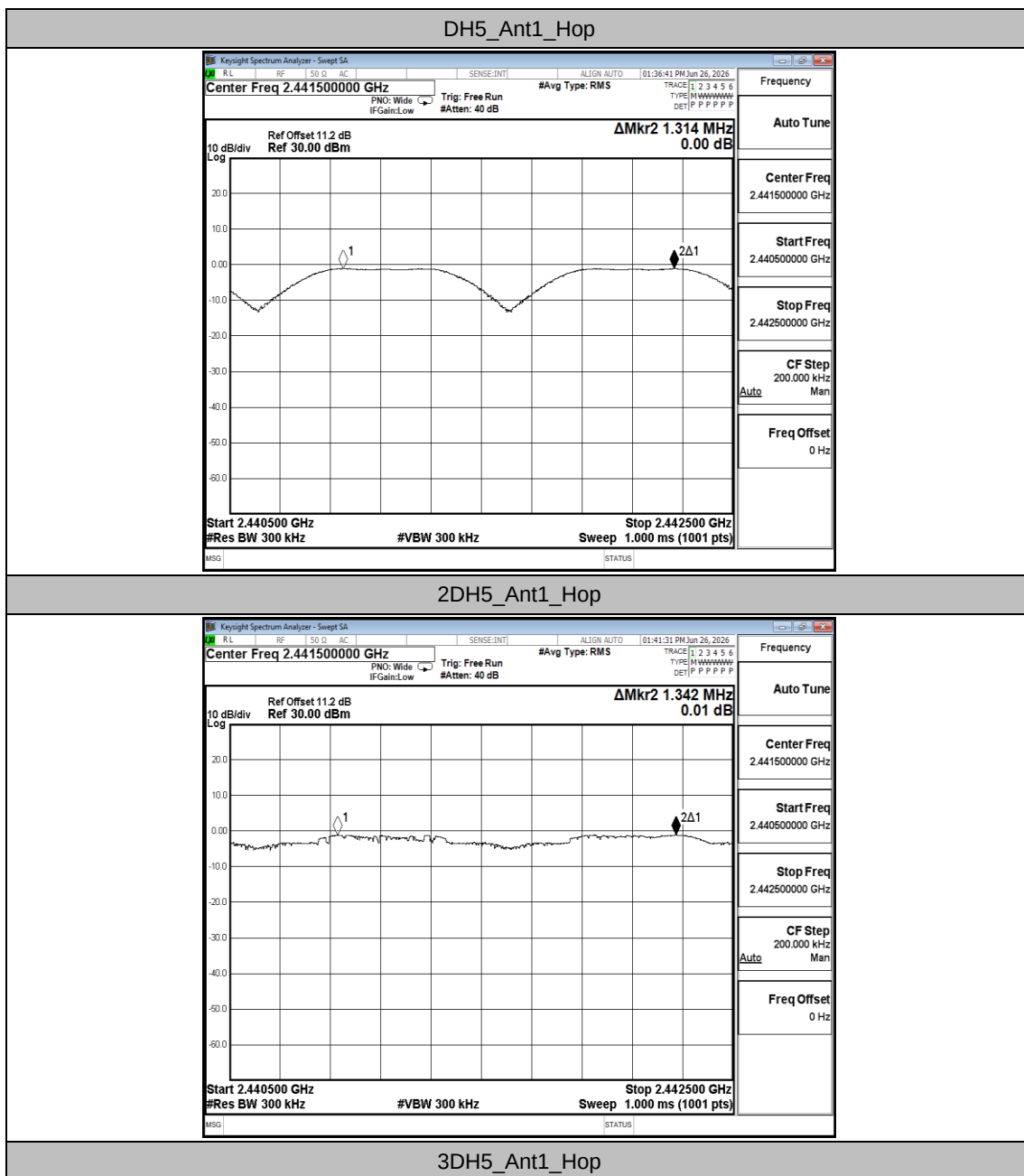


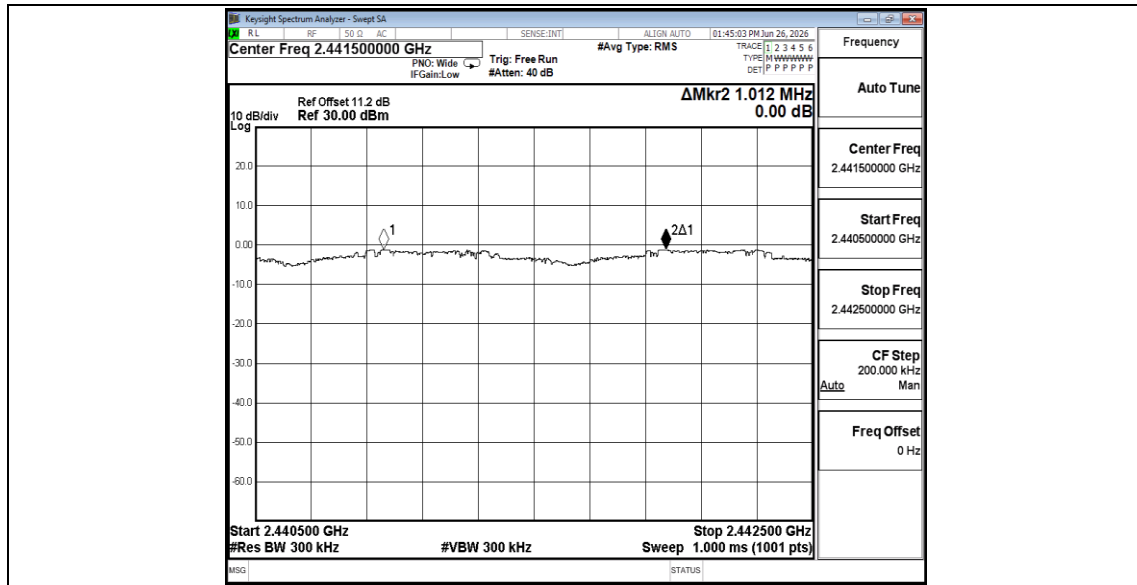
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.314	≥ 1.023	PASS
2DH5	Ant1	Hop	1.342	≥ 1.323	PASS
3DH5	Ant1	Hop	1.012	≥ 0.868	PASS

Test Graphs



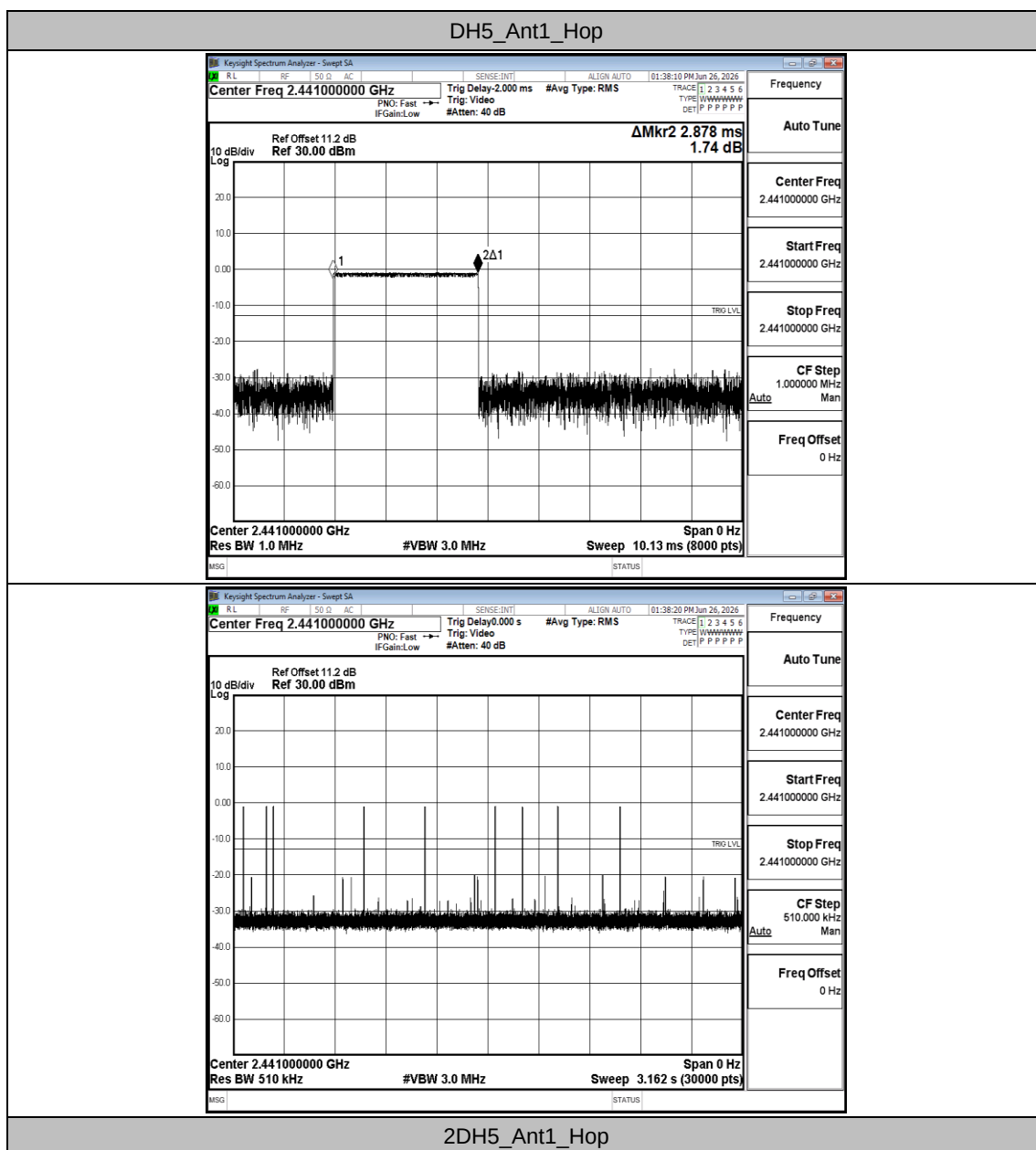


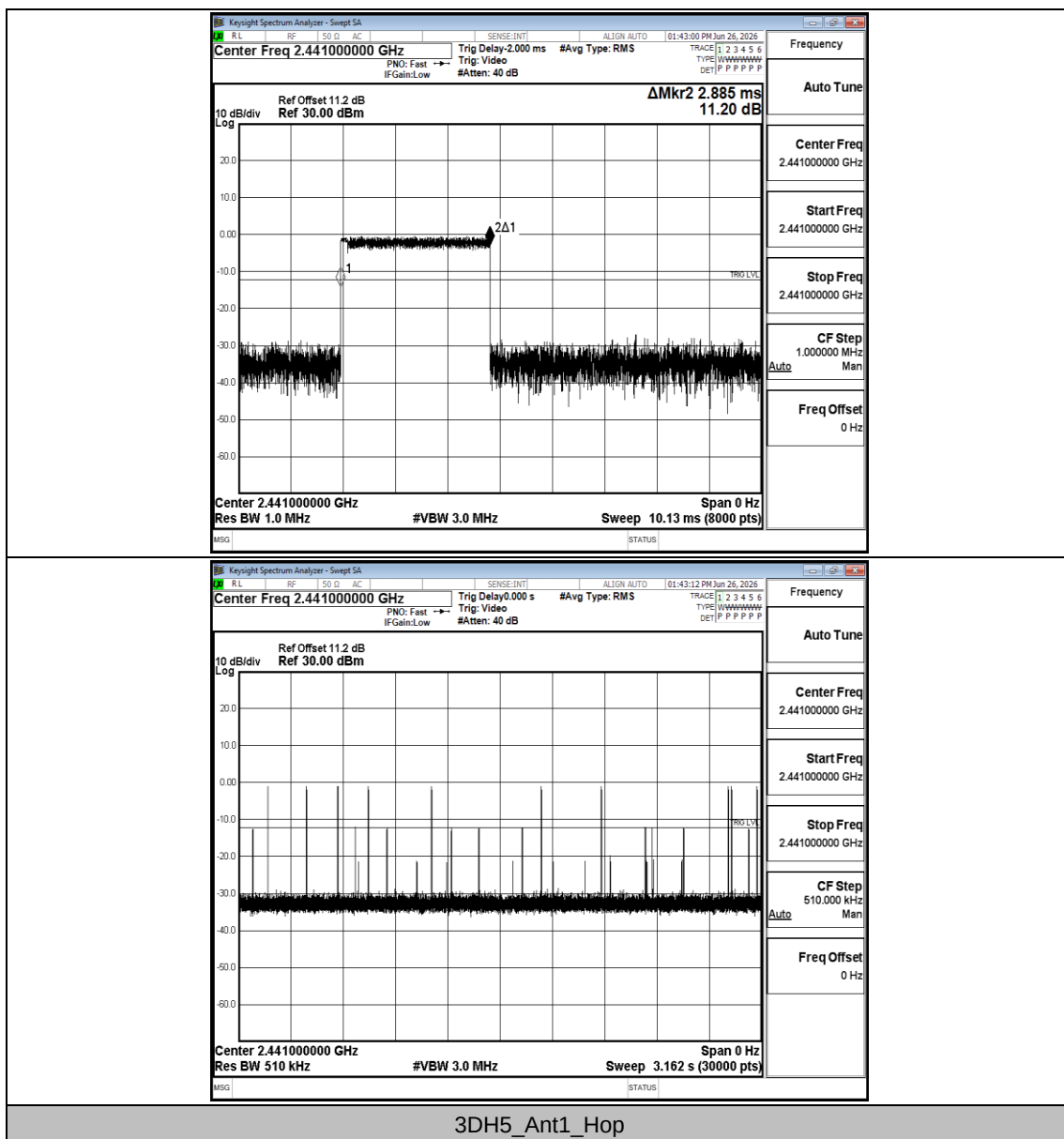
A.4 Time of occupancy

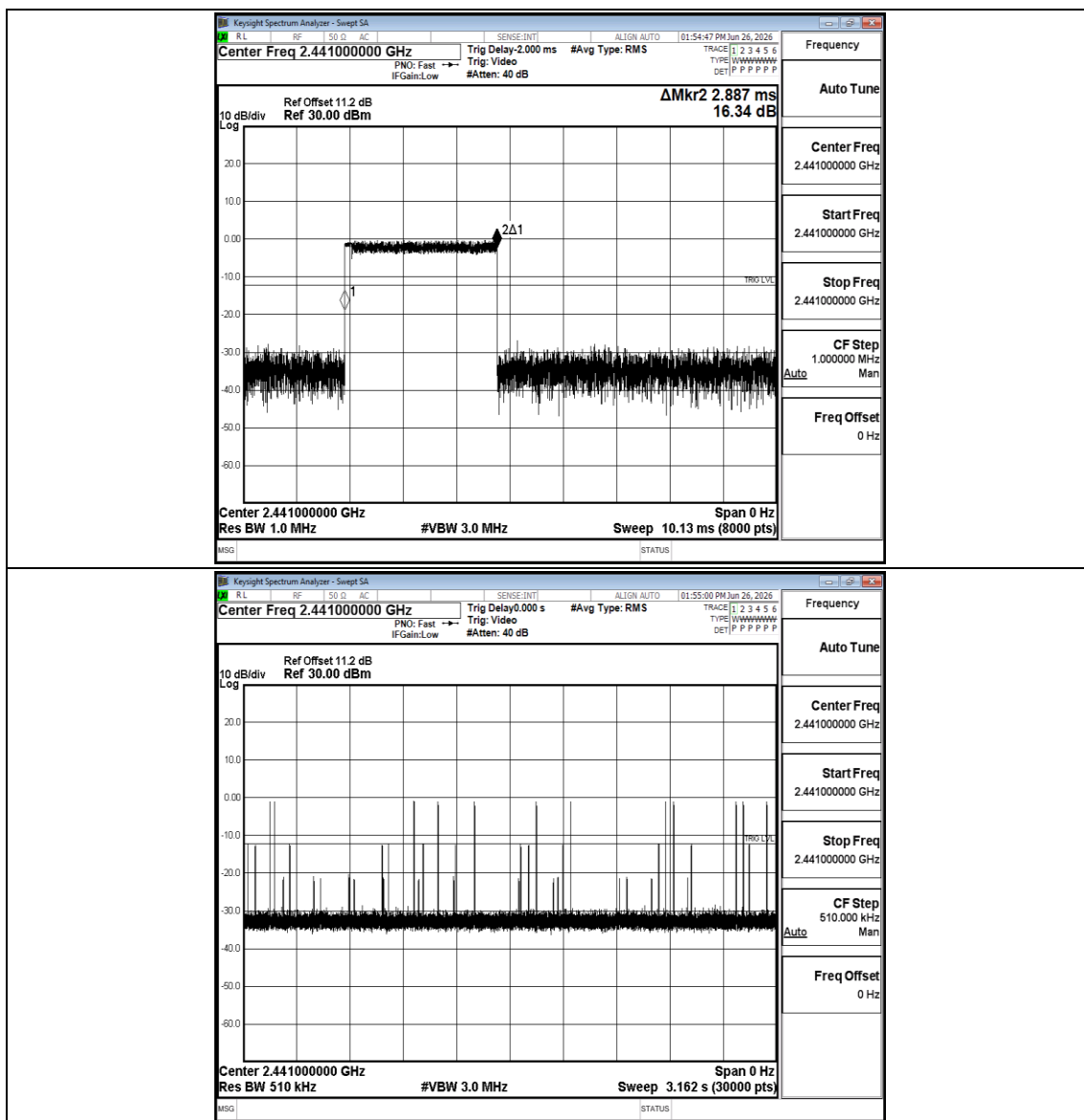
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.878	100	0.288	≤0.4	PASS
2DH5	Ant1	Hop	2.885	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.887	130	0.375	≤0.4	PASS

Test Graphs





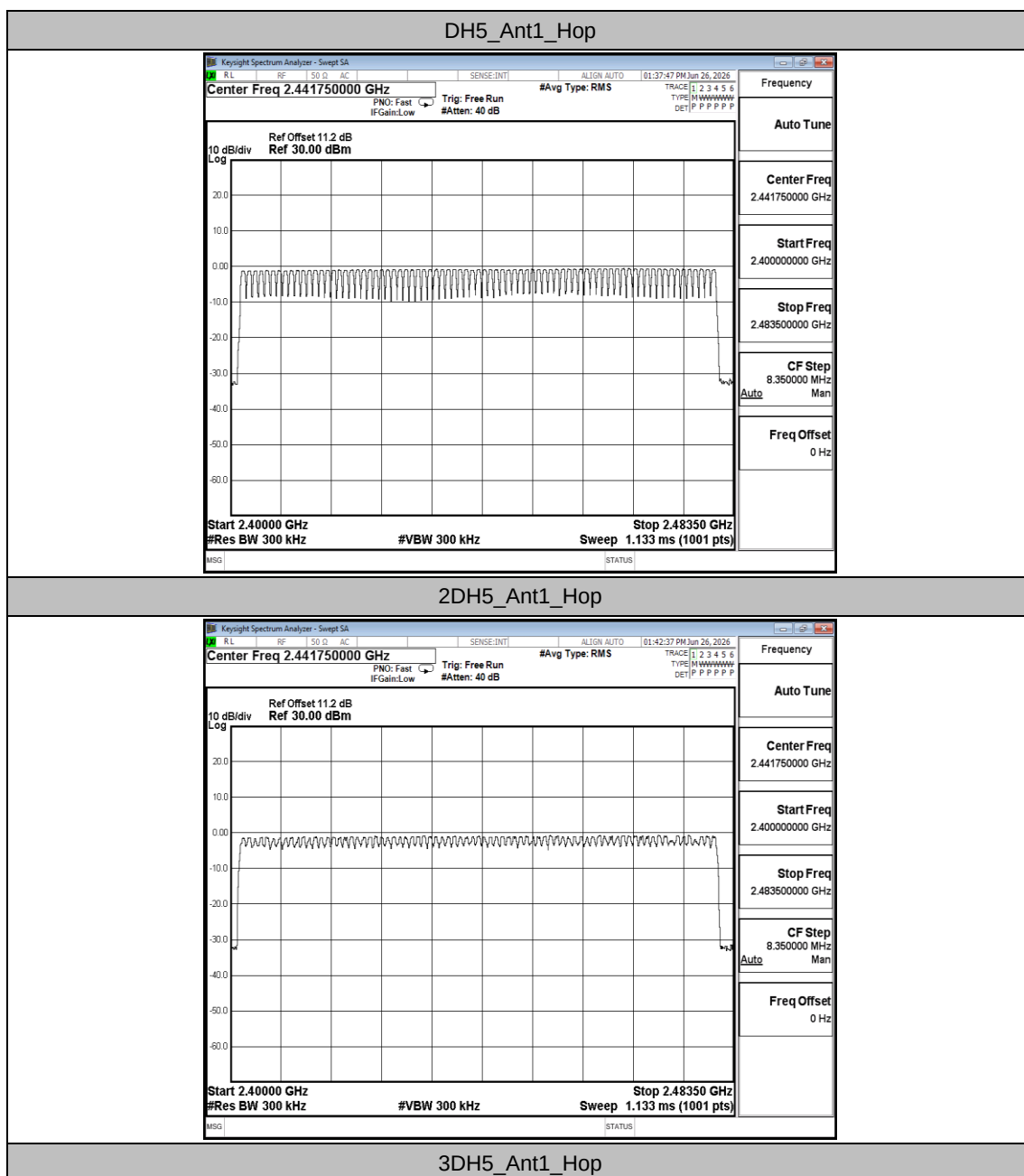


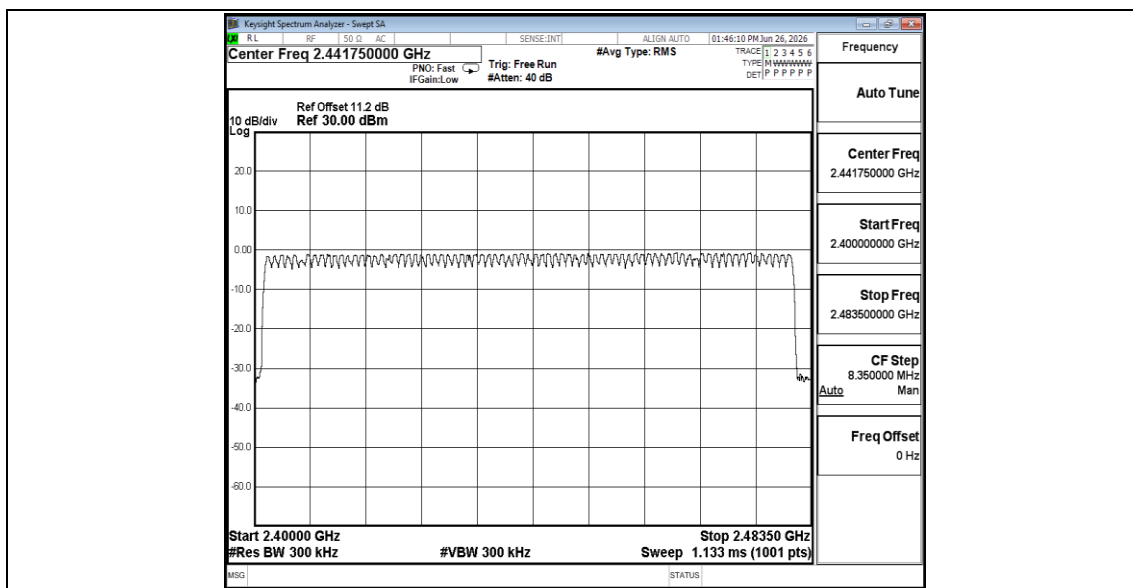
A.5 Number of hopping channels

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



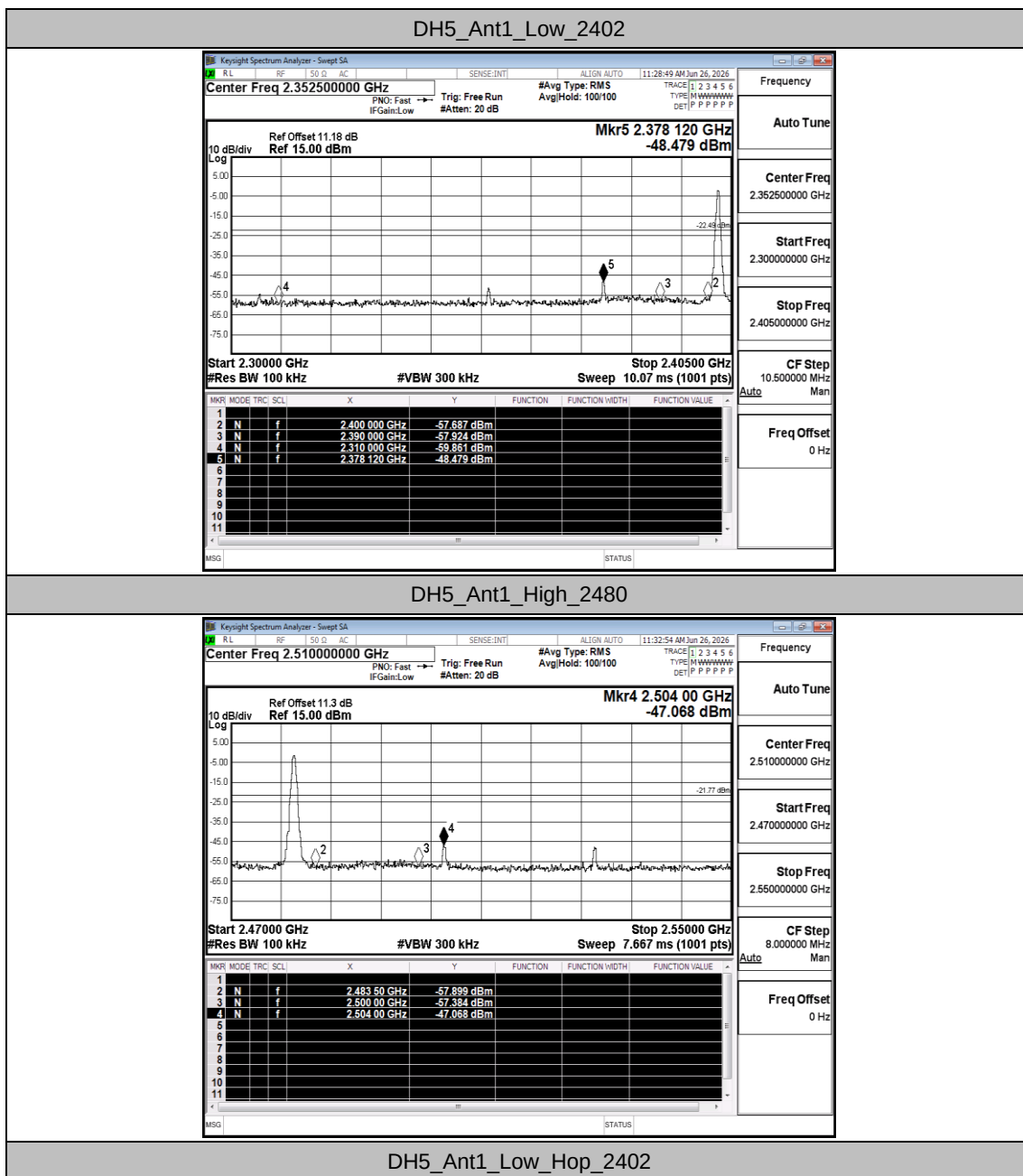


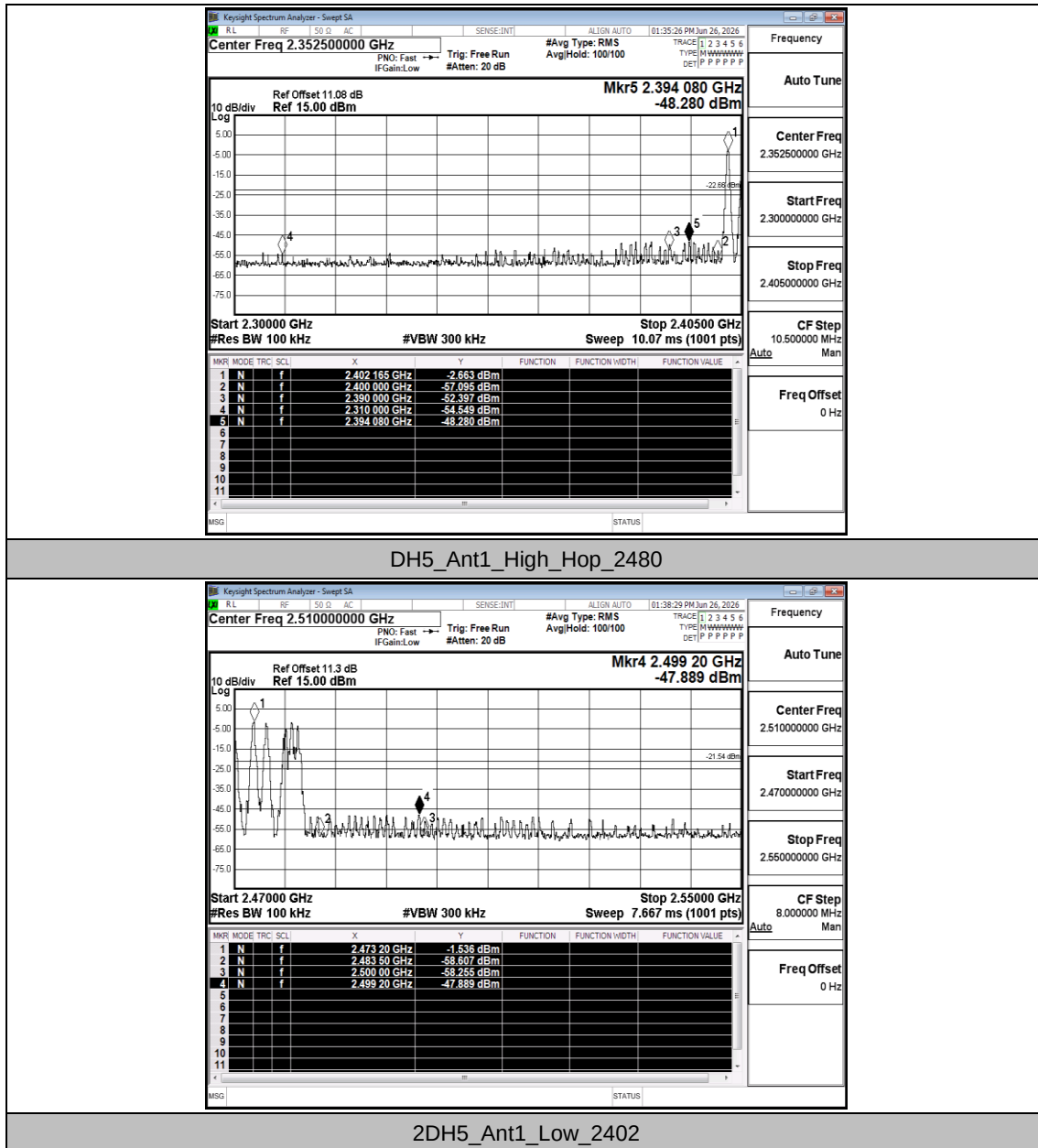
A.6 Band edge measurements

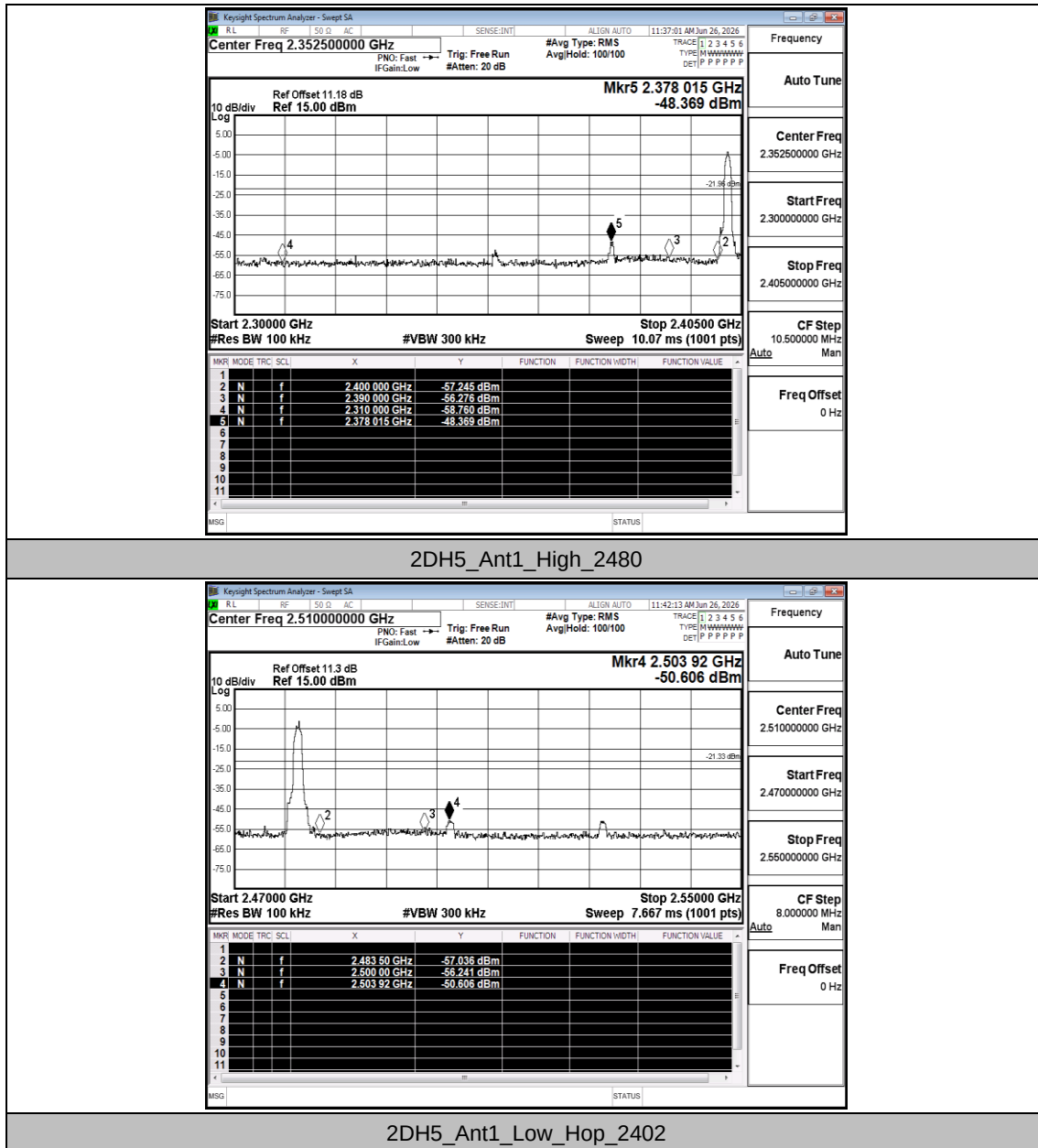
Test Result

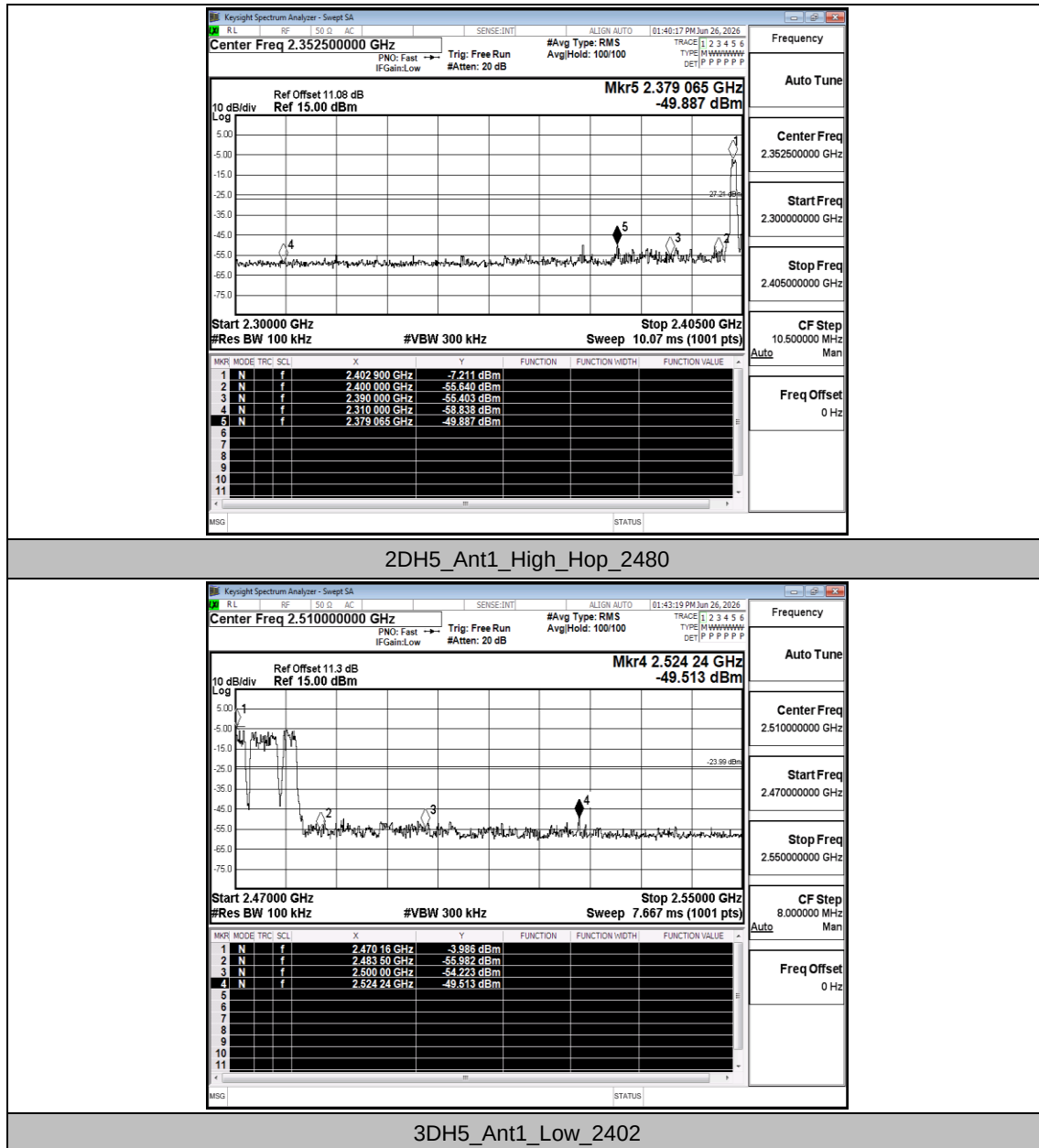
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.49	-48.48	≤ -22.49	PASS
		High	2480	-1.77	-47.07	≤ -21.77	PASS
		Low	Hop_2402	-2.66	-48.28	≤ -22.66	PASS
		High	Hop_2480	-1.54	-47.89	≤ -21.54	PASS
2DH5	Ant1	Low	2402	-1.96	-48.37	≤ -21.96	PASS
		High	2480	-1.33	-50.61	≤ -21.33	PASS
		Low	Hop_2402	-7.21	-49.89	≤ -27.21	PASS
		High	Hop_2480	-3.99	-49.51	≤ -23.99	PASS
3DH5	Ant1	Low	2402	-3.23	-49.88	≤ -23.23	PASS
		High	2480	-1.48	-48.23	≤ -21.48	PASS
		Low	Hop_2402	-1.60	-49.8	≤ -21.6	PASS
		High	Hop_2480	-4.56	-48.75	≤ -24.56	PASS

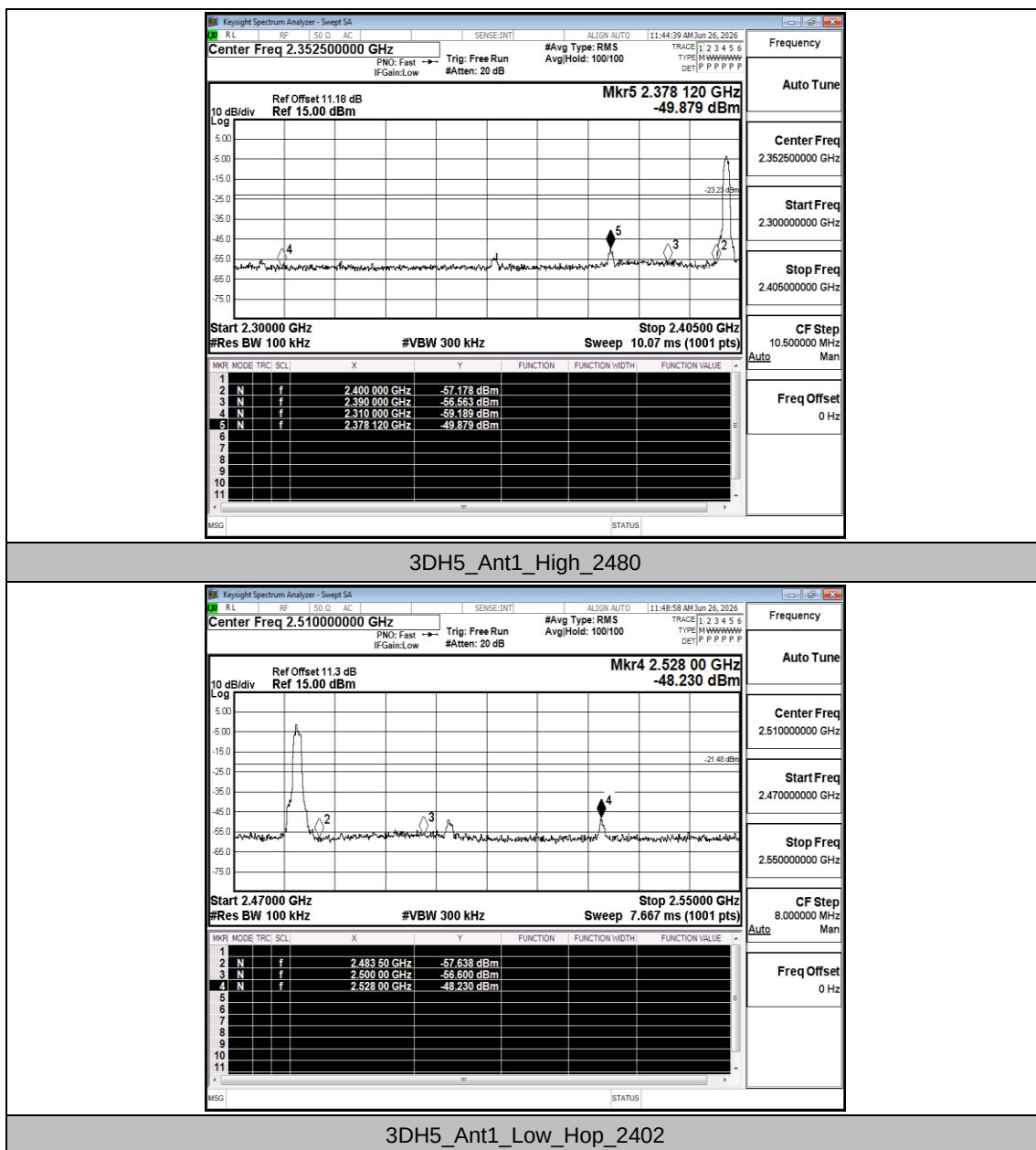
Test Graphs

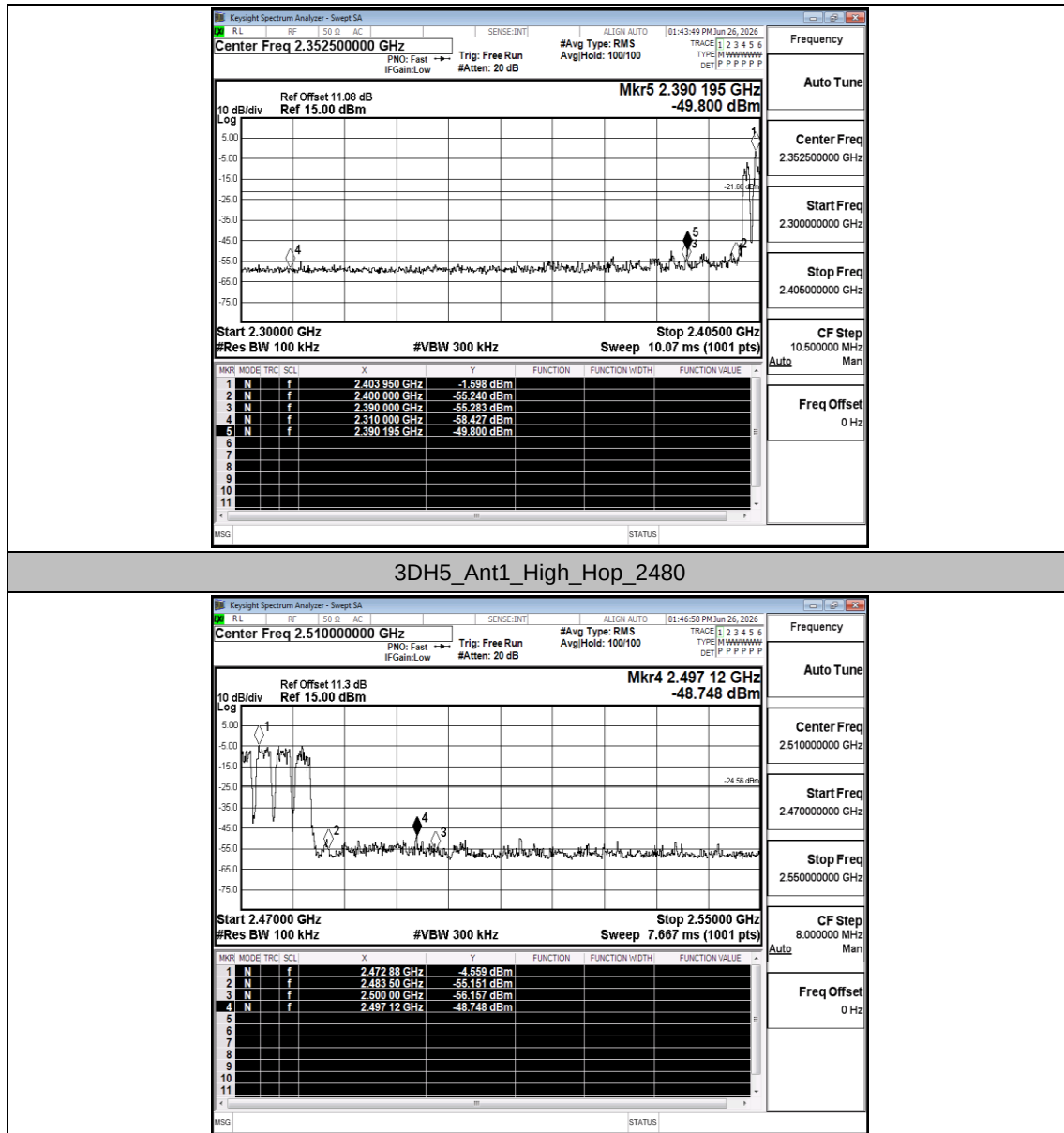










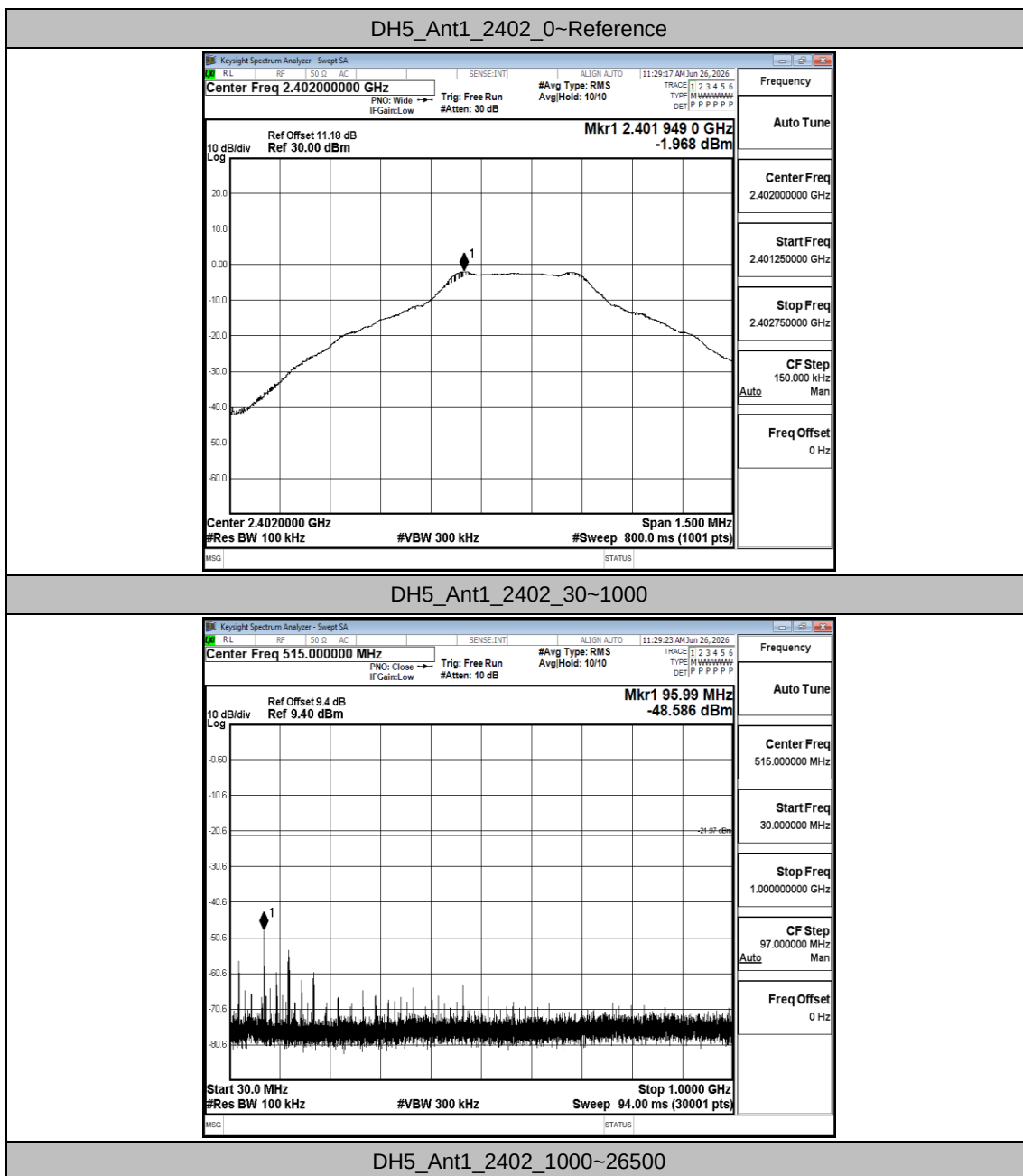


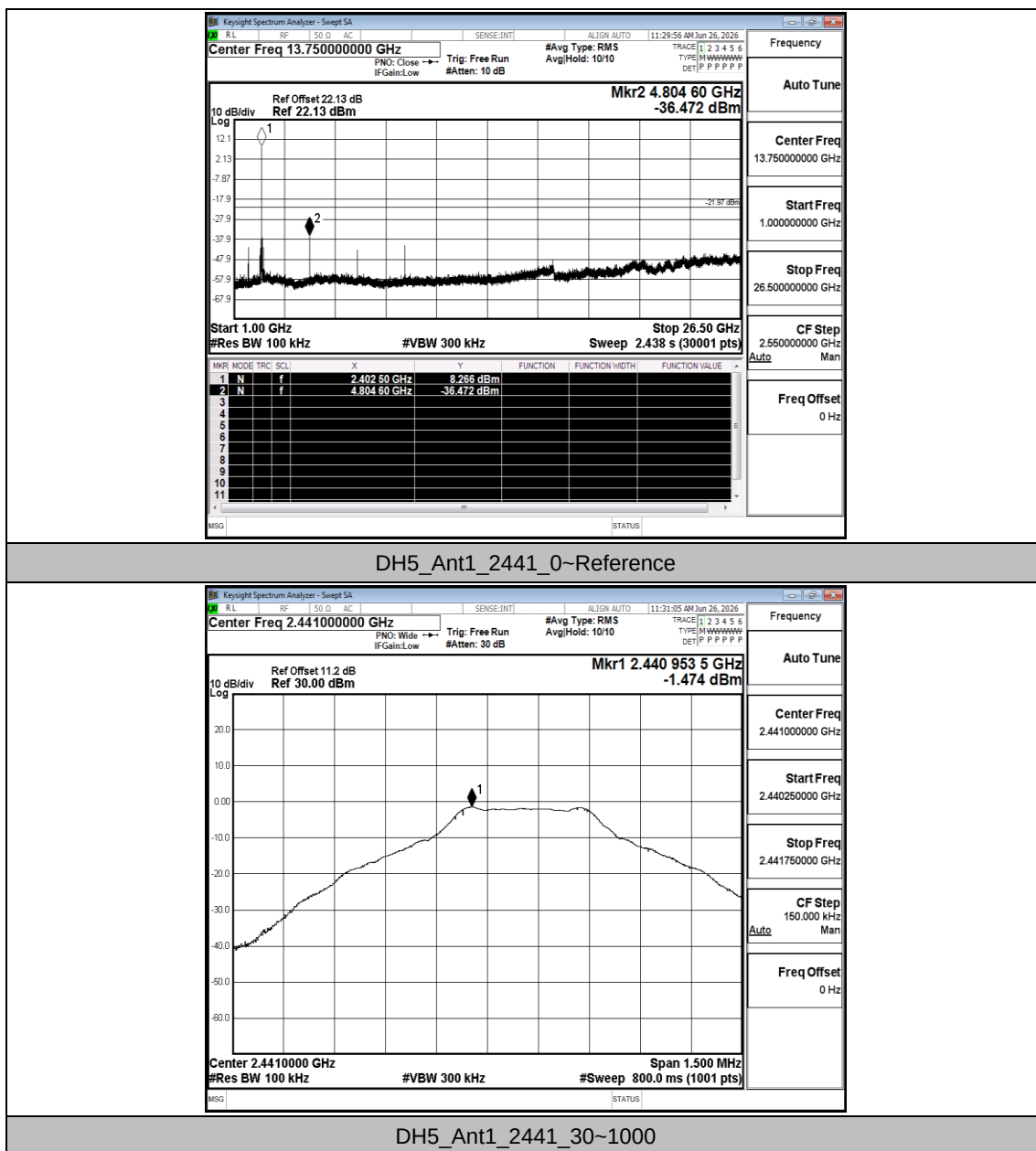
A.7 Conducted Spurious Emission

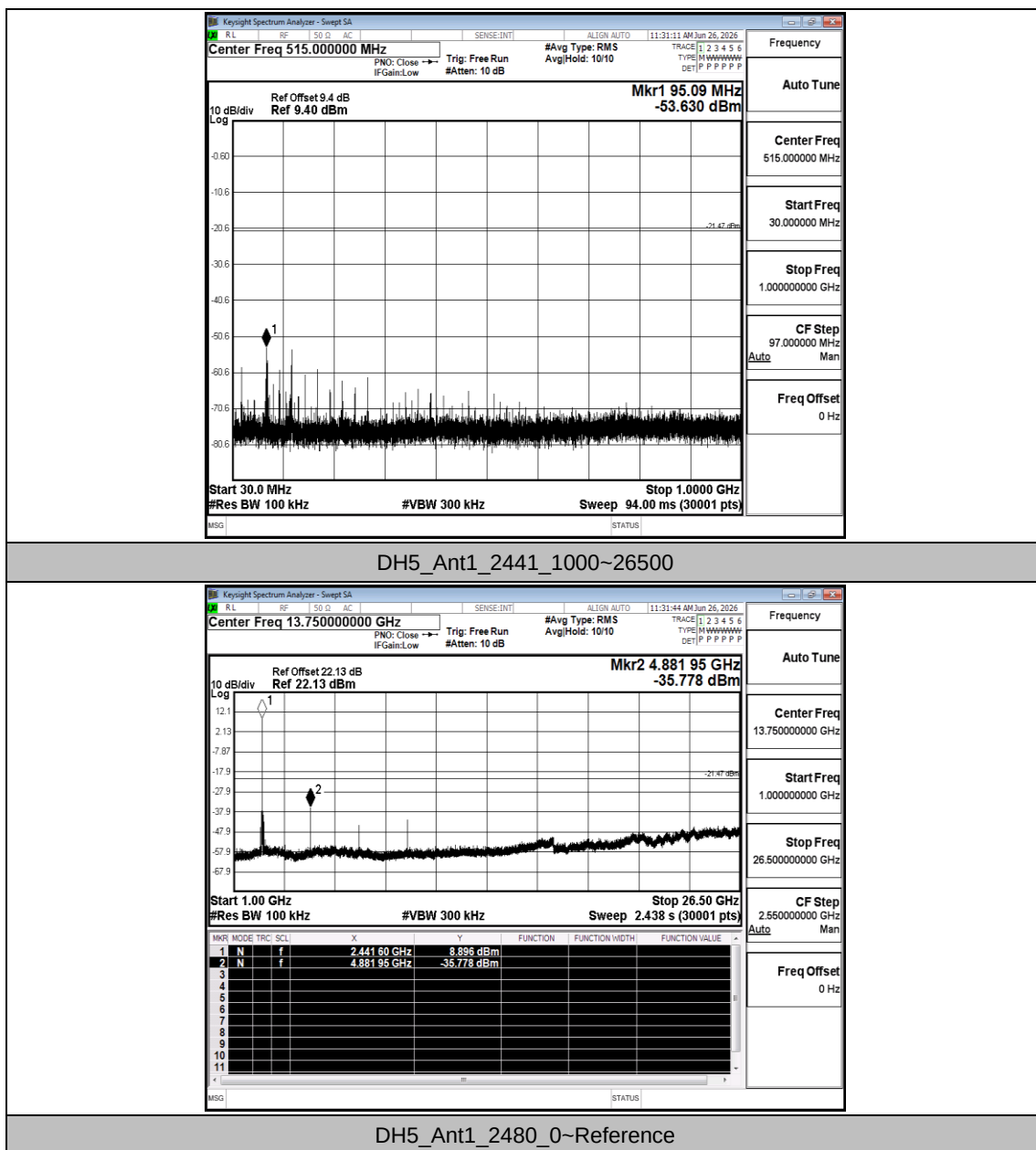
Test Result

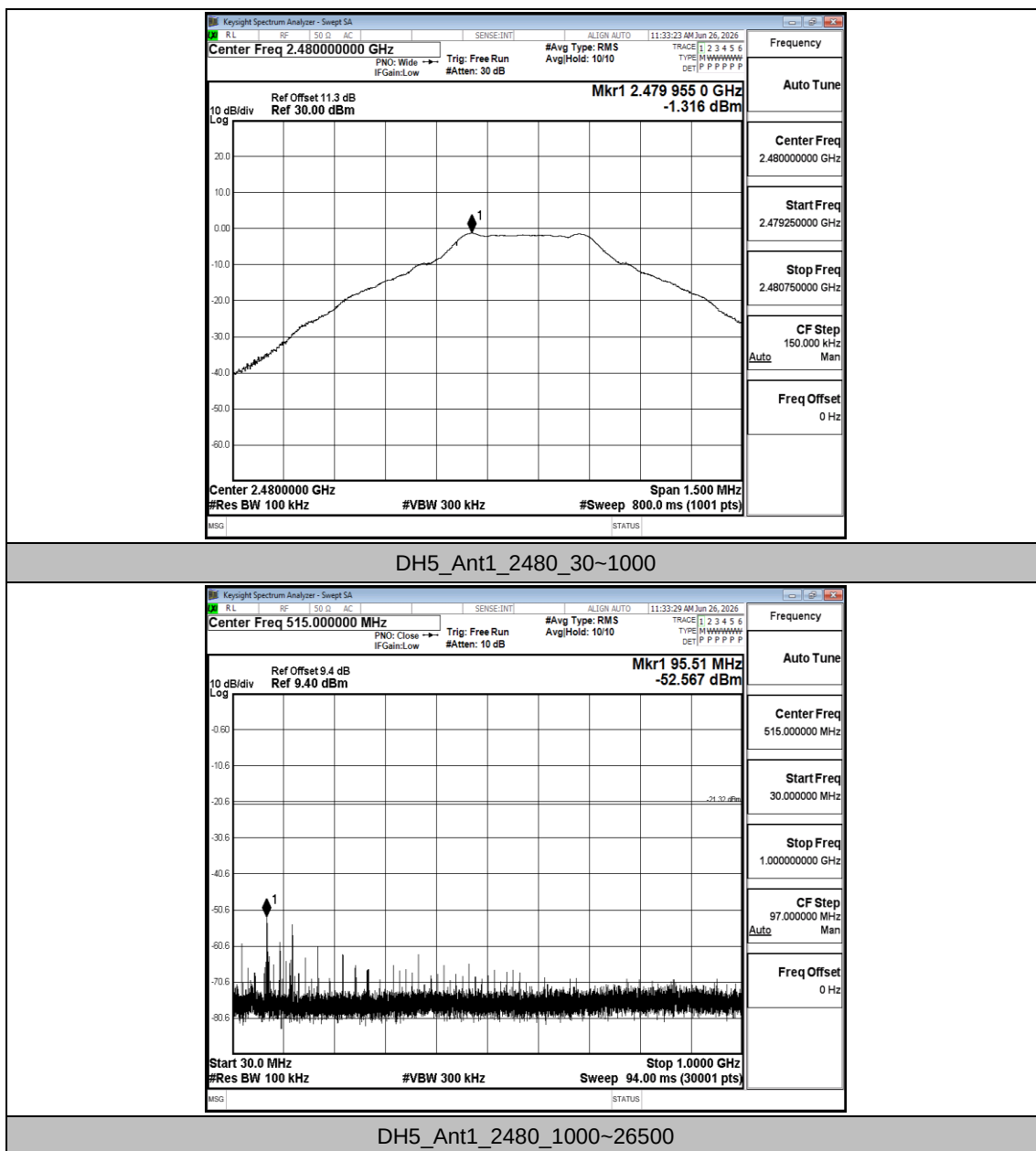
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-48.59	≤ -21.97	PASS
			1000~26500	-1.97	-36.47	≤ -21.97	PASS
		2441	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-53.63	≤ -21.47	PASS
			1000~26500	-1.47	-35.78	≤ -21.47	PASS
		2480	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-52.57	≤ -21.32	PASS
			1000~26500	-1.32	-37.19	≤ -21.32	PASS
2DH5	Ant1	2402	Reference	-1.95	-1.95	---	PASS
			30~1000	-1.95	-46.51	≤ -21.95	PASS
			1000~26500	-1.95	-37.06	≤ -21.95	PASS
		2441	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-53.11	≤ -21.45	PASS
			1000~26500	-1.45	-38.21	≤ -21.45	PASS
		2480	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-52.94	≤ -21.31	PASS
			1000~26500	-1.31	-38.59	≤ -21.31	PASS
3DH5	Ant1	2402	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-53.55	≤ -21.97	PASS
			1000~26500	-1.97	-36.77	≤ -21.97	PASS
		2441	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-52.58	≤ -21.45	PASS
			1000~26500	-1.45	-37.95	≤ -21.45	PASS
		2480	Reference	-1.30	-1.30	---	PASS
			30~1000	-1.30	-52.37	≤ -21.3	PASS
			1000~26500	-1.30	-39.55	≤ -21.3	PASS

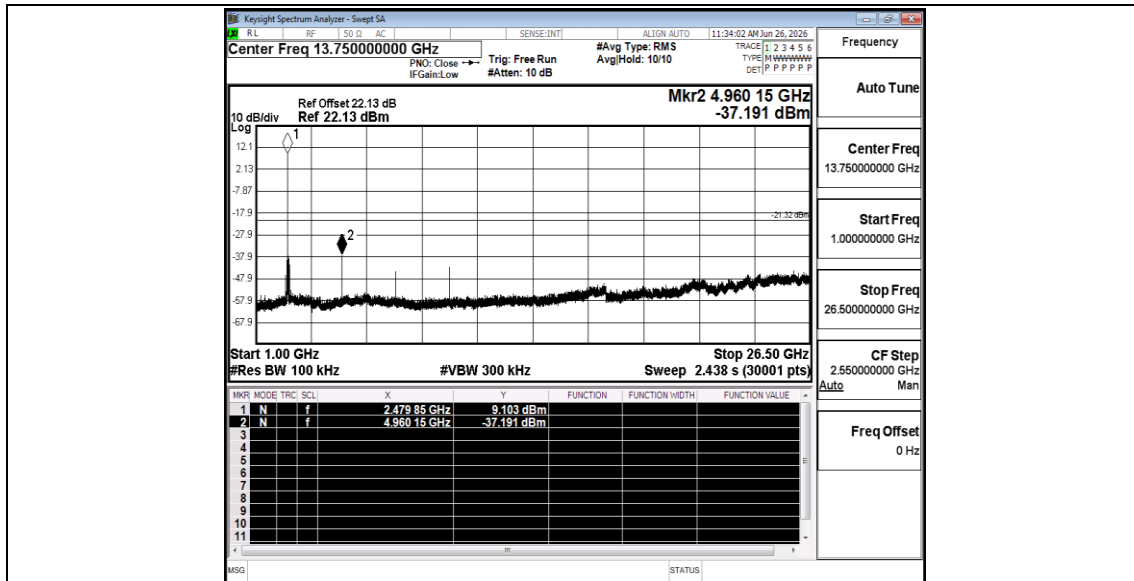
Test Graphs



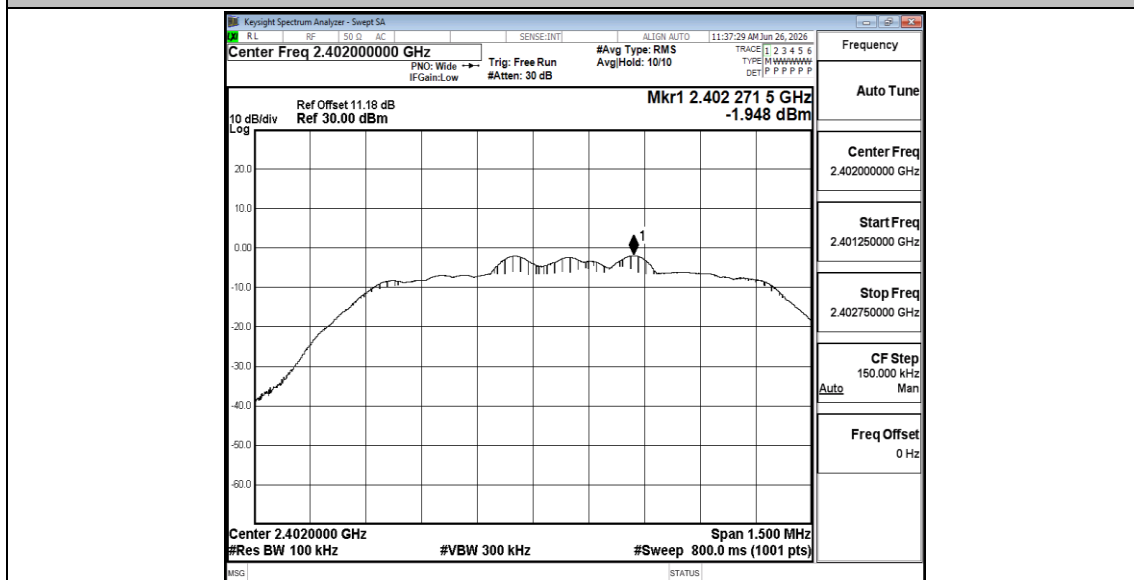








2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000

