

Central States VHF Society					
N.Little Rock, AR					
July 28, 2023					
Testing by: W5LUA, K8ZR, N7GP					
Equipment supplied by Keysite & W5LUA					
HP8970B and HP346A used for converters					
Keysight MXA N9020B and N4000A 50 MHz through 10368 MHz, U1831C used at 24 GHz					
Measurement Accuracy +/- 0.2 dB at 10 GHz and below					
Compiled by K8ZR					
Band	Call	Design	Device	NF (dB)	Gain (dB)
144 MHz	WD5AGO	HB	Cavity ATF-34143	0.2	24.7
	K5QE	AGO	LC +12dBm FET	0.36	20.4
	WD5AGO	HB	PWR FET	0.38	25.6
	W0BCG	ARR		0.64	22.7
	K0DSP	ARR	MGF-1302	0.92	23.1
222 MHz	KA6U	WD5AGO	ATF 33143 Cavity	0.34	19.4
432 MHz	NB0M	KA0RYT	Cavity	0.28	20.7
	WD5AGO	WD5AGO Cavity	HI - IP Cavity	0.35	17.7
	K0DSP	DDKits G4DDK		0.51	38.0
	W0BCG	Unkown		0.78	18.1
	K0DSP	DEMI		0.83	20.5
	W7XU	DEMI	PHEMT	0.84	13.8
	W0BCG	ARR		0.86	18.5
902 MHz	W5LUA	HB	ATF 10135	0.34	18.5
	W5LUA	DEMI	NBLNA33	0.38	21.8
	W5LUA	DEMI	NBLAH33	0.41	38.4
	K0DSP	DEMI	NBLNA33CMH	0.44	37.0
	KC0TYD	TRON tech		1.04	40.5
	KC0TYD	TRON Tech	at 15 volts	1.12	38.2
1296 MHz	W5GLD	G4DDK		0.17	38.4
	AA4MD	DDK		0.18	38.0
	WD5AGO	HB	MGF4918-MGA61563	0.2	40.4
	W0BCG	AGO23CM LNA		0.21	35.3
	AA4MD	DDKits		0.25	37.1
	K1OR	HB	NE3511S02	0.31	39.5
	W5GLD	Kuhne	MKU LNA132	0.4	36.3
	KL6M	HB	MGF-4919	0.4	35.3
	KL6M	HB	MGF-4919	0.41	35.5
	K0DSP	DEMI	NBLNA23CMH	0.47	39.7
	K0DSP	DDKits		0.56	36.0
	K0DSP	DDKits		0.57	35.3
	K0DSP	HB		0.73	14.7
	KC0TYD	TRON Tech		10.1	10.3
2304 MHz	WD5AGO	HB	2 stage	0.256	27.9
	Prize	DEMI	2 stage	0.375	35.1
	K0DSP			0.38	18.3
	N1AV			0.603	20.1
	KL6M	HB	ATF-36077	0.7	17.4
3400 MHz	KL6M	HB	MGF-4914	0.5	14.5
	KL6M	HB	MGF-4914	0.57	11.6

5760 MHz	N1AV	DEMI		0.57	13.9
	KL6M	HB	ATF-36077	0.74	10.4
	WD5AGO	HB	2 stage	0.88	25.0
	N1AV	DEMI		1.5	14.0
10368 MHz	K1OR	HB	NE326/FHX16	0.7	23.5
	K0DSP	XLNA-m12		0.76	29.7
	K1OR	HB	NE325	0.77	14.3
	K0DSP	DEMI	L3_2ULNA	0.8	23.5
	K1OR	HB	CEL 3511	0.84	12.6
	K1OR	HB	FHX13	0.95	12.1
	WD5AGO	DEMI	ULNA Kit	1.08	21.6
	NB0M	DEMI LUA		1.7	21.1
	K9PW	AVANTEK		2.28	30.5
24192 MHz	K1OR	DU3T LNA		1.43	30.0
	W5VY	Kuhne	MKU LNA 243 RX2	1.97	27.5
	W5LUA	Kuhne	MKU LNA 243 RX2	1.99	26.9
	W5LUA	Kuhne	MKU LNA 243CS2	2.2	22.9
	K1OR	W2PED MM-Tech		3.1	24.5
1296 MHz					
XVTR	W9FZ	SG Labs		1.32	20.7
2304 MHz	N1AV	KK7B Digi LO		0.73	34.5
XVTR		DEMI LNA			
	W5VY	SG Labs		1.48	15.6