

37th CSVHFS Noise Figure Measuring, Tulsa, OK 7/26/03

Chairpersons **WD5AGO** and **W5LUA**

Measuring completed by: **W5LUA**, **WA8RJF**, and **WD5AGO**

HP346A Noise Source, Measurement Accuracy of system according to HP is +/- 0.2 dB!

HP 8970B and **Agilent N8975A** Noise Figure Analyzer

Frequency	Call	Design	Device	Noise Figure (dB)	Gain (dB)
144 MHz	W5UWB	Comm. LNA	ATF33143	0.1	23
	WD5AGO	HB Cavity - High IP	FSC53	0.22	23
	K5GW	AGO Helix	ATF33143	0.28	22
	K0YW	HB	MGF1302	0.3	24
	W7QX	HB Helix	ATF54143	0.54	25
	WW2R	NTST SSB		0.85	20
	K0YW	HB- 1969	U310	1.3	12
222 MHz	Call	Design	Device	Noise Figure (dB)	Gain (dB)
	WD5AGO	HB High IP Helix	ATF33143	0.22	21
	K5LLL	Comm ARR		1	19
432 MHz	Call	Design	Device	Noise Figure (dB)	Gain (dB)
	K0YW	Cavity		0.22	19
	WD5AGO	HB Series L, High IP	ATF33143	0.31	20
902 MHz	Call	Design	Device	Noise Figure (dB)	Gain (dB)
	K5LLL	SERIES-L	ATF101+MAR-1	0.7	33
	K5LLL	Comm		4.2	20
1296 MHz	Call	Design	Device	Noise Figure (dB)	Gain (dB)
	VE9DW	HB CAVITY	NE329	0.23	18
	WD5AGO	HB 2stage-AGO	NE325-ATF10135	0.28	31
	K0YW	CNK	AT30677	0.28	19
	K5GW	AGO	NE3210	0.37	30
	W0LMD	WD5AGO	NE3210 - ATF34143	0.38	32
	K0YW	WJF	AT36077	0.5	16
	N6TX	Mod. DEMI 23-21cm	2 stage	0.6	27
	WW2R	Comm DEMI	NE3210	0.7	18
	K0YW	DEMI		0.7	15
	K5LLL	HB DEM	ATF101	0.81	15
	W7QX	CNK		0.94	20
	W0LMD	Comm ICOM		1.7	17
	2304 MHz	Call	Design	Device	Noise Figure (dB)
K5VH		DEMI		0.4	19
WD5AGO		HB 2 stage	ATF36077-34143	0.46	25
5760 MHz	Call	Design	Device	Noise Figure (dB)	Gain (dB)
	WA8RJF	DEMI- W5LUA	ATF36077	0.85	13
	WD5AGO	HB LUA	NE310	1.02	12
24 GHz	Call	Design	Device	Noise Figure (dB)	Gain (dB)
	W5LUA	HB LNA	2 X NE32584C	1.9	15
	W5LUA	Avantek	SMW94-1044	2.5	28
47 GHz	Call	Design	Device	Noise Figure (dB)	Gain (dB)
	W5LUA	HB Conv.		4.66	35