

NBLNA Noise Worksheet

Legend:

Data	AMP	Entered Data
Calculated	calibration	
by WrkSht	data	

Entered Data
Enter Resistor Under Test (Ohms)
9.91
49.82
99.49

Corrected R for input R	BLUE CURVE Theoretical 1 Hz NBW nV calc
9.91	0.4
49.70	0.9
99.00	1.3

Entered Data
AMP Vout AC mV
7.90
8.68
9.53

AMP Vout AC mV corrected for input noise	GREEN CURVE 1 Hz NBW calculated from AMP Vout nV / Rt Hz calc
1.7	0.4
4.0	0.9
5.6	1.3

Enter AMP Gain	Enter AMP effective nBW
334000	175

AMPLIFIER NOISE FLOOR
nV / rt Hz
1.74

Input R Ohms:	20000
Input Referred Noise (mV at output for shorted input) Temperature degrees F	7.71
75.0	

Calculated Temperature	
Centigrade	23.9
Kelvin	297

