

NBLNA Noise Worksheet

Legend:

Data	AMP	Entered Data
Calculated	calibration	
by WrkSht	data	

Entered Data	Corrected R for input R	BLUE CURVE Theoretical 1 Hz NBW nV calc
Enter Resistor Under Test (Ohms)		
9.97	9.97	0.4
49.74	49.62	0.9
74.66	74.38	1.1
99.62	99.13	1.3

Entered Data	AMP Vout AC mV	GREEN CURVE 1 Hz NBW calculated from AMP Vout nV / Rt Hz calc
AMP Vout AC mV		
12.90	2.8	0.4
14.10	6.3	0.9
14.80	7.8	1.1
15.50	9.0	1.3

Enter AMP Gain	Enter AMP effective nBW
515000	187

AMPLIFIER NOISE FLOOR
nV / rt Hz
1.79

Input R Ohms:	20000
Input Referred Noise (mV at output for shorted input)	12.60
Temperature degrees F	74.6

Calculated Temperature	
Centigrade	23.7
Kelvin	297

