

SR830 Performance Test Record

5. Amplitude Linearity

<u>Sensitivity</u>	<u>Calibrator Ampl.</u>	<u>Lower Limit</u>	<u>Reading</u>	<u>Upper Limit</u>
1 V	1.0000 Vrms	0.9900 V	_____	1.0100 V
	100.00 mVrms	0.0990 V	_____	0.1010 V
	10.000 mVrms	0.0098 V	_____	0.0102 V

6. Frequency Accuracy

<u>Input Frequency</u>	<u>Lower Limit</u>	<u>Reading</u>	<u>Upper Limit</u>
10 kHz	9.990 kHz	_____	10.010 kHz

7. Phase Accuracy

<u>Frequency</u>	<u>Lower Limit</u>	<u>Reading</u>	<u>Upper Limit</u>
10 Hz	-1.0 deg	_____	+1.0 deg
100 Hz	-1.0 deg	_____	+1.0 deg
1 kHz	-1.0 deg	_____	+1.0 deg
10 kHz	-1.0 deg	_____	+1.0 deg

8. Sine Output Amplitude and Flatness

<u>Sensitivity</u>	<u>Sine Output Ampl.</u>	<u>Lower Limit</u>	<u>Reading</u>	<u>Upper Limit</u>
1 V	1.000 Vrms	0.9800 V	_____	1.0200 V
200 mV	0.200 Vrms	196.00 mV	_____	204.00 mV
50 mV	0.050 Vrms	49.000 mV	_____	51.000 mV
10 mV	0.010 Vrms	9.800 mV	_____	10.200 mV

<u>Sine Ampl.</u>	<u>Frequency</u>	<u>Lower Limit</u>	<u>Reading</u>	<u>Upper Limit</u>
1.000 Vrms	24 kHz	0.9800 V	_____	1.0200 V
	48 kHz	0.9800 V	_____	1.0200 V
	72 kHz	0.9800 V	_____	1.0200 V
	96 kHz	0.9800 V	_____	1.0200 V

9. DC Outputs and Inputs

<u>Output</u>	<u>Offset</u>	<u>Lower Limit</u>	<u>Reading</u>	<u>Upper Limit</u>
CH1	-100.00	9.960 V	_____	10.040 V
	-50.00	4.960 V	_____	5.040 V
	0.00	-0.020 V	_____	0.020 V
	50.00	-5.040 V	_____	-4.960 V
	100.00	-10.040 V	_____	-9.960 V