

PERFORMANCE TEST CARD - 1 YEAR LIMITS

Keysight Model 3458A Digital Multimeter

Test Performed By _____

Serial Number _____

Date _____

AC VOLTAGE TESTS

Perform an ACAL AC

Test #	3458A Input	3458A Range	Transfer Standard Reading	Unit Under Test Reading	Difference	Limit (Std)	Limit (Opt 002)	Pass	Fail
1	100 mV, 1KHz	100 mV	100.28500	100.28600	0.00100	000.0250 mV	000.0250 mV	_____	_____
2	1 V, 1KHz	1 V	1.00132	1.00123	-0.00009	0.000250 V	0.000250 V	_____	_____
3	1 V, 1KHz	10 V	1.00141	1.00147	0.00006	00.00096 V	00.00096 V	_____	_____
4	10 V, 20 Hz	10 V	7.00940	7.00492	-0.00448	00.01338 V	00.01338 V	_____	_____
5	10 V, 1KHz	10 V	7.00990	7.00930	-0.00060	00.00250 V	00.00250 V	_____	_____
6	10 V, 20KHZ	10 V	7.0145	7.0141	-0.00350	00.00272 V	00.00272 V	_____	_____
7	10 V, 100 KHz	10 V	7.01530	7.01180	-0.00350	00.05372 V	00.05372 V	_____	_____
8	10 V, 1MHz	10 V	7.00	7.01415	0.01415	00.55450 V	00.55450 V	_____	_____
9	100 V, 1KHz	100 V	_____	_____	_____	000.0364 V	000.0364 V	_____	_____
10	700 V, 1 KHz	1000 V	_____	_____	_____	0000.544 V	0000.544 V	_____	_____

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FREQUENCY TESTS

Test #	3458A Input	3458A Range	Frequency Standard Value	Unit Under Test Reading	Difference	Limit (Std)	Limit (Opt 002)	Pass	Fail
1	1 Hz	N/A	10.000000	10.000030	-0.000030	±0.000500 Hz	±0.000500 Hz	_____	_____
2	10 MHz	N/A	10.000000	10.000000	0.000000	±00.00100 MHz	±00.00100 MHz	_____	_____