BROADVIEW INSTRUMENTATION SERVICES, INC.
CERTIFICATE OF CALIBRATION

ACCREDITED

Calibration Certificate #2046.01

10041　　　　　**7632B Hub Parkway　　Valley View, OHIO 44125**　　　　　**216-525-0050**

NAME:	*Rigol Technologies*		PURCHASE OR.	RU090090
ADDRESS:	7401 First Place Suite N		LABOR	
CITY/STATE:	Oakwood Village　　OH		MATERIAL	
ZIP:	44146		TOTAL COST	
CONTACT:	Hossam		ON-SITE	**NO**
REC'D COND.	Within Spec		RETURNED	Within Spec
MANUFACTURER:	Rigol		CAL. DATE	7-Apr-11
MODEL:	DG1022　　ary Waveform Gen		CAL DUE:	7-Apr-12
SERIAL / ASSET:	DG1D130400480　　**NA**		TEMP/ RH%	23.8ºC / 37.3%

		AS FOUND	DEVIATION	AS LEFT	DEVIATION
Frequency Synthesis Accuracy:			± 20 ppm		
MHz	20.00	19.99986	-7 ppm	19.99986	-7 ppm
ch2	20.00	19.99988	-6 ppm	19.99988	-6 ppm
Amplitude Accuracy, 50 Ohms:			± 1% Setting + .707 mV		
mVrms	10.00	9.92200	-0.780%	9.92200	-0.780%
	100.00	99.8461	-0.154%	99.8461	-0.154%
	500.00	500.103	0.021%	500.103	0.021%
Vrms	1.00	0.994960	-0.504%	0.994960	-0.504%
	3.53	3.51922	-0.305%	3.51922	-0.305%
Amplitude Accuracy, High-Z:			± 1% Setting + .707 mV		
mVrms	15.00	14.7963	-1.358%	14.7963	-1.358%
	100.00	99.9640	-0.036%	99.9640	-0.036%
	500.00	497.937	-0.413%	497.937	-0.413%
Vrms	1.00	0.998919	-0.108%	0.998919	-0.108%
	5.00	4.97655	-0.469%	4.97655	-0.469%
DC Offset:			± 2% Setting		
mVDC	10.00	9.9050	-0.95%	9.9050	-0.95%
	100.00	98.434	-1.57%	98.434	-1.57%
	500.00	501.502	0.30%	501.502	0.30%
VDC	1.00	1.01066	1.07%	1.01066	1.07%
	5.00	5.01465	0.29%	5.01465	0.29%

EQUIPMENT USED IN CALIBRATION:

QC#	Manufacturer	Model	Date Due
0488	AGILENT	34401A	4-May-11
0203	RACAL-DANA	01992	15-May-11
0648	OMEGA	I SERVER	12-May-11
0699	TEKTRONIX	TPS 2012	5-Oct-11
0648	OMEGA	I SERVER	12-May-11

BIS TEST REPORT NO:　　**406405914**

Traceability information: This calibration was conducted using an unbroken chain of standards to National Institute of Standards and Technology.

Brian K. Tussel

Customer approval: 　　　Reviewed By: Jeffery P.　　　Metrologist　　　**Brian Tussel**

All equipment used for this calibration is traceable to National Standards (e.g. NIST). Calibration meets ISO/IEC 17025, The Uncertainty of standards utilized for calibration meet a Test Uncertainty Ratio (TUR) of 4:1 (at k=2, 95% confidence interval) or better unless otherwise stated.

While the calibration due date is recommended, the client is advised that any number of factors may cause the item to drift out of calibration before the recommended due date expires. It is the responsibility of the client to monitor the calibration status while using the equipment

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7632B Hub Parkway   Valley View, OHIO 44125   216-525-0050

MANUFACTURER	*Rigol*			
MODEL	*DG1022*			
SERIAL NUMBER	*DG1D130400480* ASSET		*NA*	
	AS FOUND	*% DEVIATION*	*AS LEFT*	*% DEVIATION*
Amplitude Flatness:	*±1% < 10 MHz, ±1.5% 10-25 MHz, ±4% >25 MHz*			
1 kHz (Ref.)	0.504	*Ref.*	0.504	*Ref.*
100 Hz	0.504	0.00%	0.504	0.00%
10 kHz	0.508	0.79%	0.508	0.79%
100 kHz	0.508	0.79%	0.508	0.79%
1 MHz	0.504	0.00%	0.504	0.00%
10 MHz	0.504	0.00%	0.504	0.00%
20 MHz	0.500	-0.79%	0.500	-0.79%
Modulation:	Within Spec		Within Spec	
Sweep Functions:	Within Spec		Within Spec	
Waveshapes:	Within Spec		Within Spec	

BIS TEST REPORT NO: **406405914**

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