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 ISO 9001:2000 CERTIFIED

PHASE SHIFTER TEST DATA

CUSTOMER: MAX-PLANCK INSTITUTE
 JOB NO: P707035X
 MODEL NO: PS-90-2040
 OPTION NO: _____
 PWR SUPPLY: +5V @ 45 mA; -5V @ 4mA

TECHNICIAN: R.AFABLE
 DATE: 9/4/07
 SERIAL NO: PM708997
 FREQUENCY RANGE: 2.0 - 4.0 GHz

INSERTION LOSS	VSWR	LOGIC	PHASE
1.12 dB	1.57:1	"1"	161° @ 2 GHz 174° @ 4 GHz
0.81 dB	1.46:1	"0"	0°

SWITCHING SPEED:	13 nS

NOTE: ANY ADDITION TEST DATA ON BACK

TESTED ON: AGILENT N5230A

QA/QC APPROVAL: *Jamie W. Latta*

DATED: 9/4/07