

V-BAND PHYRAMIDAL HORN ANTENNA

Model Name : **NRD60PH201**

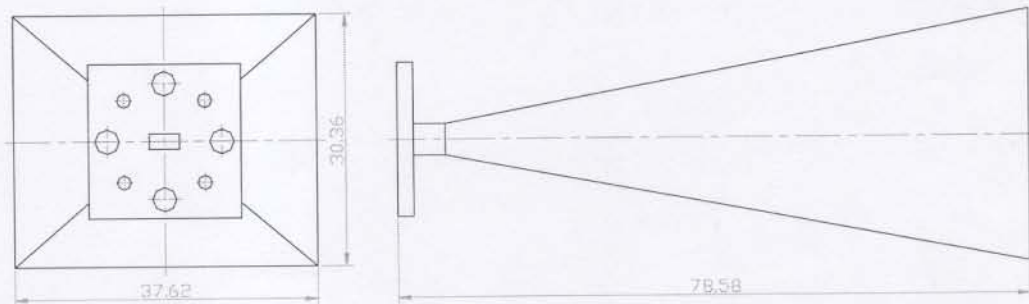
DATE: SEP/04/2002

Serial Number : **HW020820-06/07/08**

Specifications

Parameters		Specifications
Frequency Range		50GHz ~ 75GHz
Waveguide Size		WR-15
VSWR		1.13:1 max
Mid-band Gain		24dB typical
3dB Beamwidth	E-plane	9.0°
	H-plane	10.1°
Size(LxWxH)[mm]		78.58x37.62x30.36

Dimensions



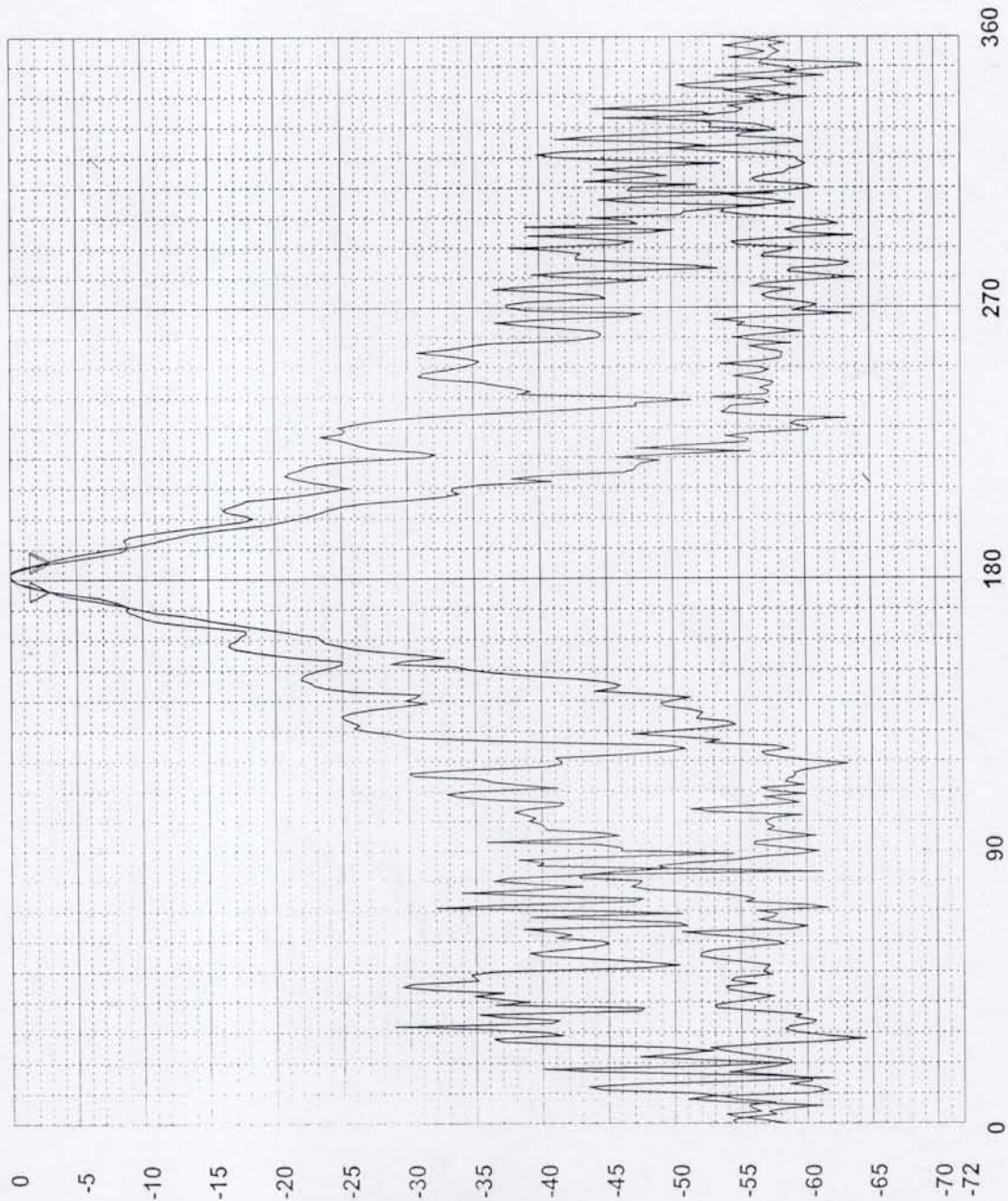
Descriptions

1. The port is compatible with WR-15 standard V-band rectangular waveguide.
2. All Dimensions are in millimeters.

Antenna Performance Test

Model : NRD60PH201
Serial : HW020820-0x
E-Plane Pattern
Freq.(GHz) : 60
Date : 2002.08.23
BW(Deg/dB) : 9.0/-3
SLL(Deg/dB) :
BeamPeak : 24.5
Average : -36.79

H-Plane Pattern
Freq.(GHz) : 60
Date : 2002.08.23
BW(Deg/dB) : 10.1/-3
SLL(Deg/dB) :
BeamPeak : 24.28
Average : -49.06



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MODEL: NRD60PH201
DEVICE ID: HW020820-0x

DATE: 09/06/2002 09:54
OPERATOR:

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START: 55.000000 GHz
STOP: 65.000000 GHz
STEP: 0.012500 GHz

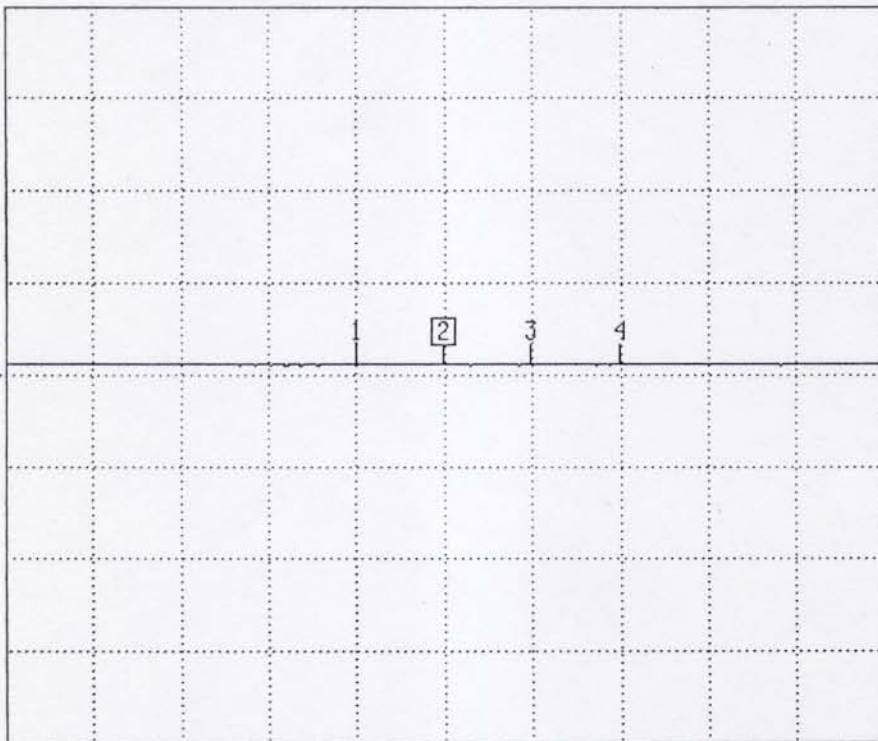
GATE START: -
GATE STOP: -
GATE: -
WINDOW: -

ERROR CORR: 12-TERM
AVERAGING: 1 PT
IF BNDWIDTH: 1 KHz

PARAMETER: -S11-
NORMALIZATION: OFF
REFERENCE PLANE: 0.0000 mm
SMOOTHING: 0.0 PERCENT
DELAY APERTURE: -

S11 FORWARD REFLECTION

SWR REF=0.000 pU 10.000 U/DIV



CH 1 - S11
REFERENCE PLANE
0.0000 mm

MARKER 2
60.000000 GHz
1.119 U

MARKER TO MAX
MARKER TO MIN

1 59.000000 GHz
1.137 U
3 61.000000 GHz
1.086 U
4 62.000000 GHz
1.117 U

MARKER READOUT
FUNCTIONS