

# Omni Directional Antenna

## for 2.4~2.5GHz

Version 1

### TH-2409



#### Electrical Specification:

Frequency	2.4~2.5GHz
Part Number	TH-2409
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5\Omega$
Gain	9 dBi
Power handling	15W Max
Front to back ratio	N/A
HPBW / horizontal	360°
HPBW / vertical	10°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

#### MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	$\varphi$ 35 x 420mm
Weight	430g
Radome color	white
Radome material	glass fiber

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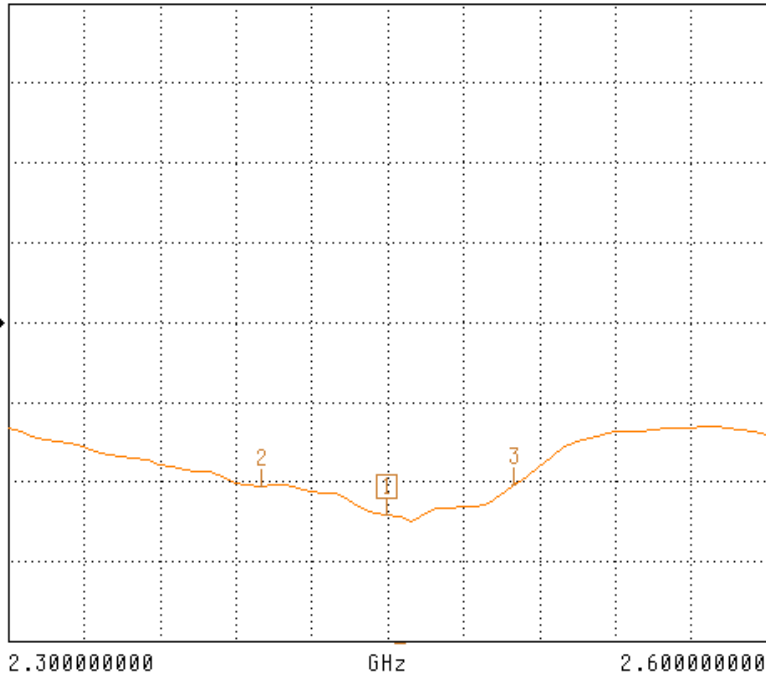
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S11 FORWARD REFLECTION

LOG MAGNITUDE      REF=0.000 dB      10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

▶ MARKER 1  
2.450000000 GHz  
-24.549 dB

MARKER TO MAX  
MARKER TO MIN

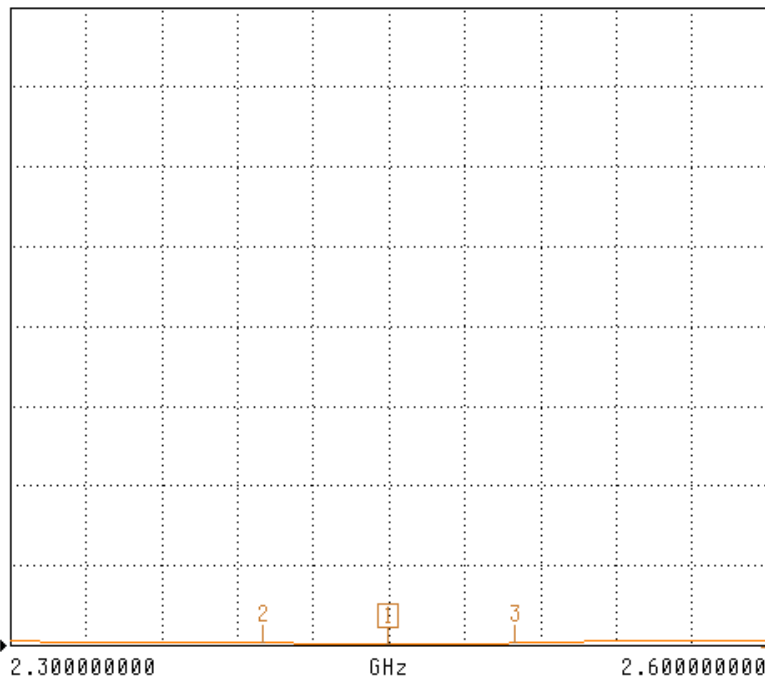
2 2.400000000 GHz  
-20.609 dB

3 2.500000000 GHz  
-20.380 dB

MARKER READOUT  
FUNCTIONS

S11 FORWARD REFLECTION

SWR      REF=1.000 U      10.000 U/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

▶ MARKER 1  
2.450000000 GHz  
1.128 U

MARKER TO MAX  
MARKER TO MIN

2 2.400000000 GHz  
1.231 U

3 2.500000000 GHz  
1.236 U

MARKER READOUT  
FUNCTIONS

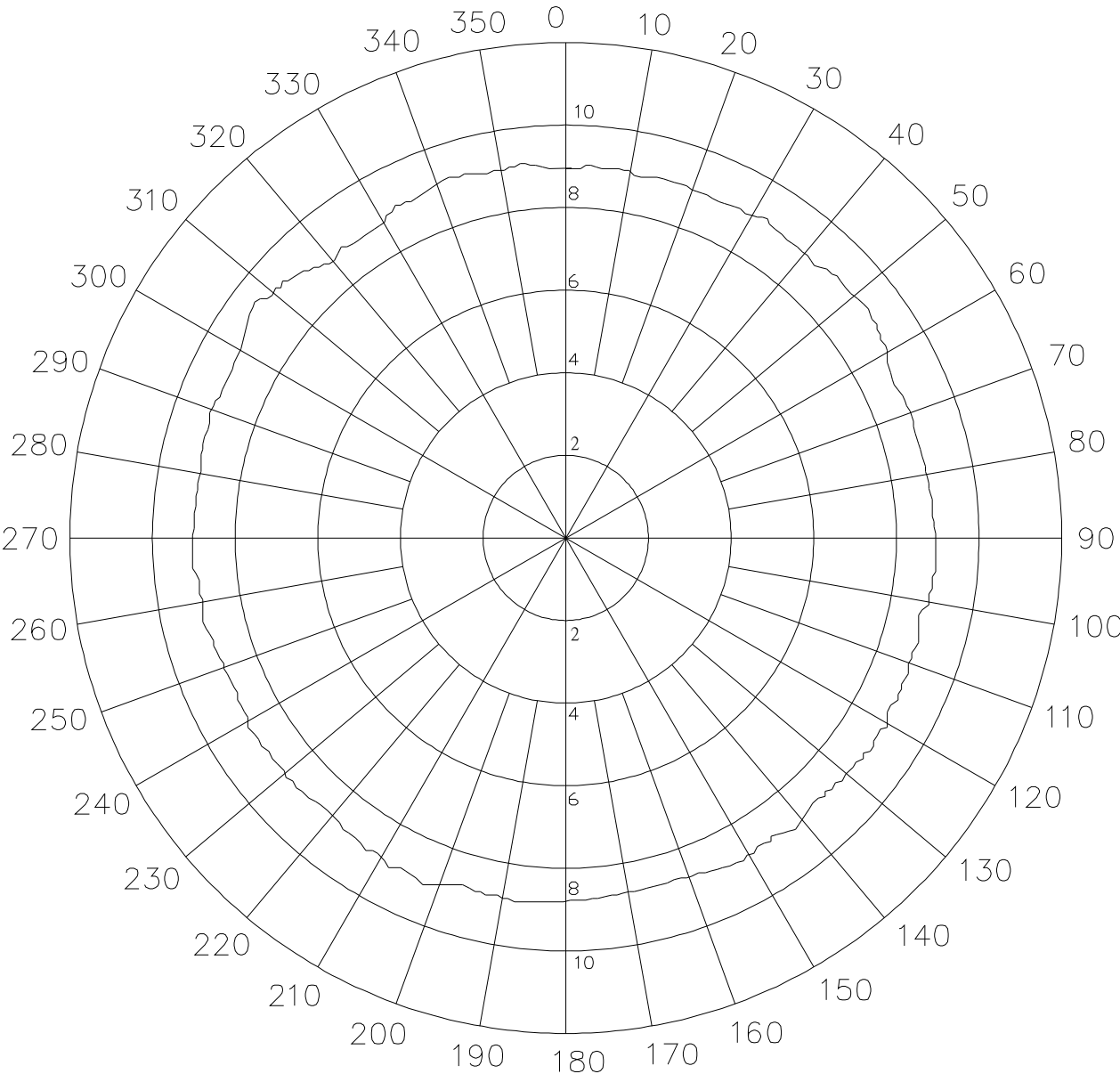
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## H-PLANE FIELD PATTERNS



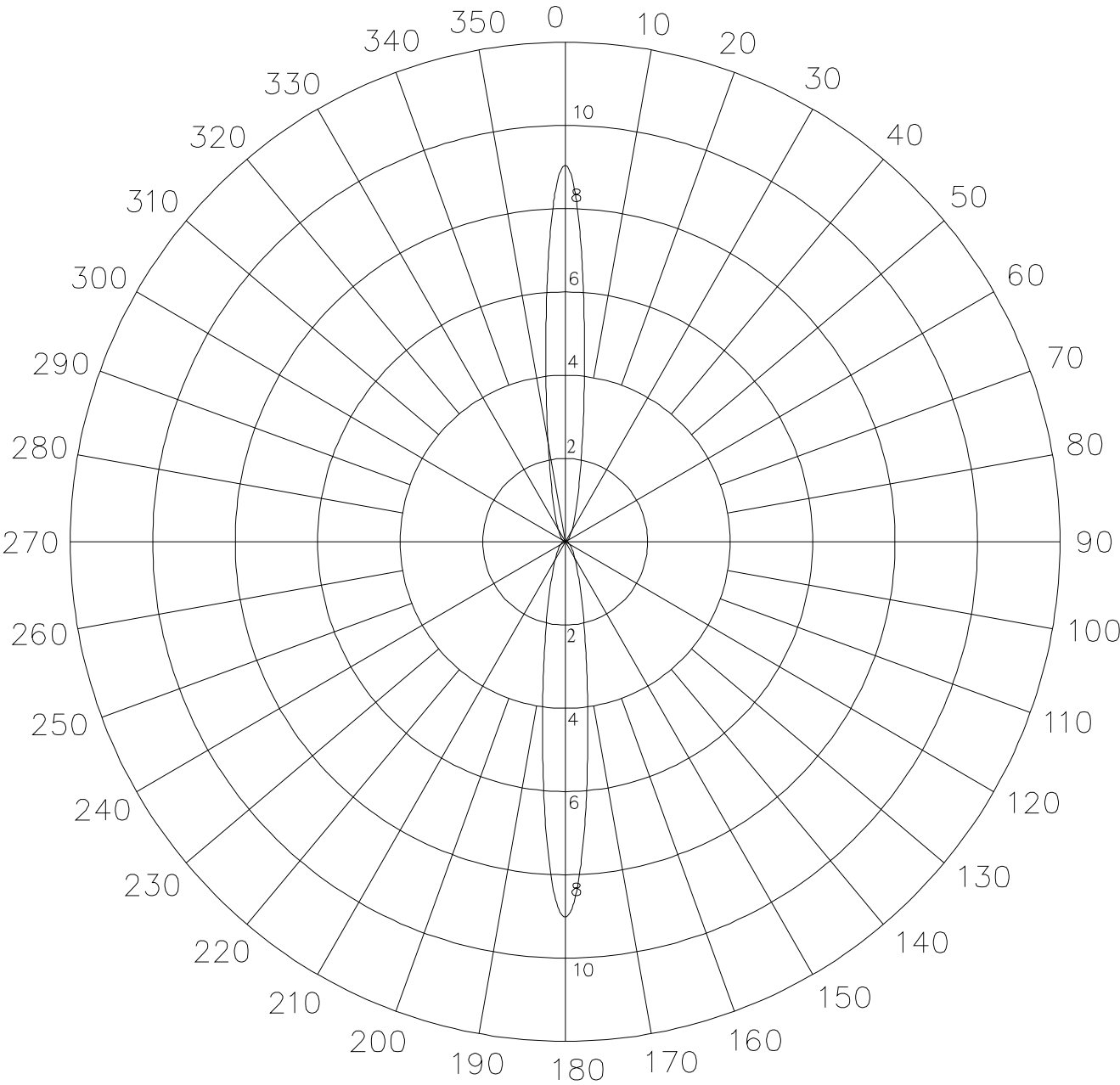
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## E-PLANE FIELD PATTERNS



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