

# Directional Panel Antenna

for 3.3~3.8GHz

Version 1

UH-818

## Electrical Specification:

Frequency	3.3~3.8GHz
Part Number	UH-818
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5\Omega$
Gain	18 dBi
Power handling	10W Max
Front to back ratio	30dB
HPBW / horizontal	15°
HPBW / vertical	15°

## MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	263 x 263 x 48mm
Weight	1.46Kg
Radome color	Gray-white
Radome material	PC and ABS

# Directional Panel Antenna

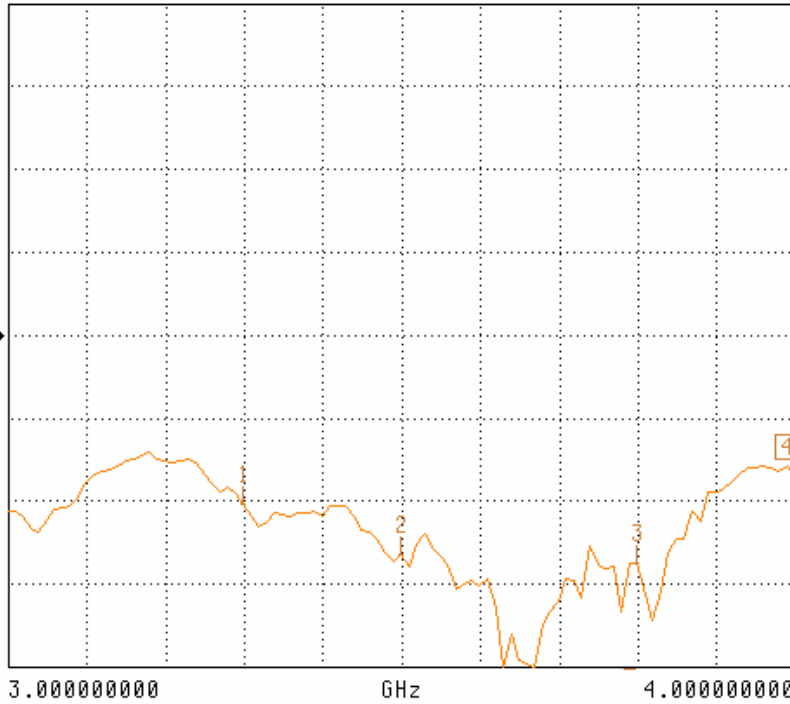
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### UH-818

S11 FORWARD REFLECTION

LOG MAGNITUDE      REF=0.000 dB      10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 4  
4.000000000 GHz  
-17.161 dB

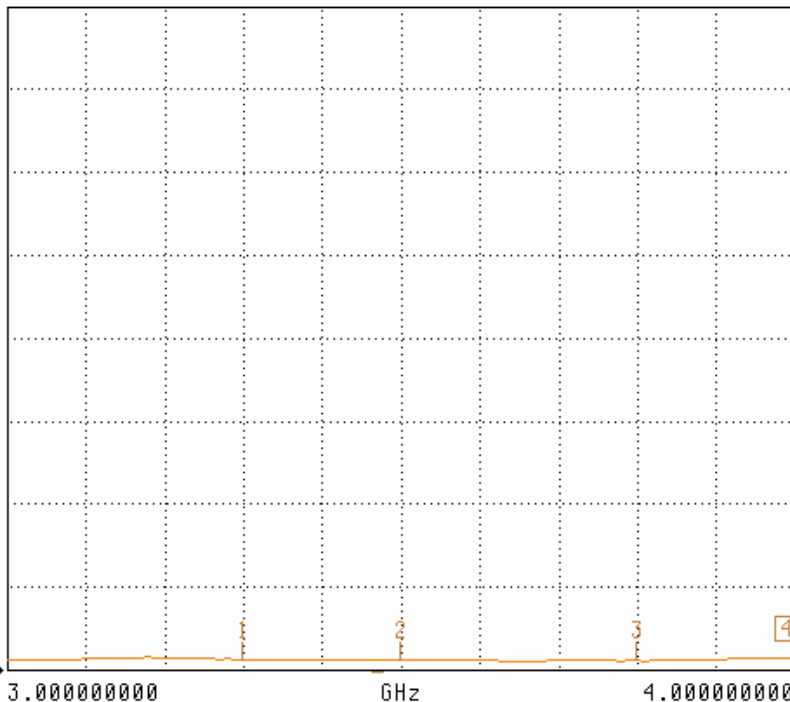
MARKER TO MAX  
MARKER TO MIN

- |   |                 |            |
|---|-----------------|------------|
| 1 | 3.300000000 GHz | -20.508 dB |
| 2 | 3.500000000 GHz | -26.527 dB |
| 3 | 3.800000000 GHz | -27.466 dB |

MARKER READOUT  
FUNCTIONS

S11 FORWARD REFLECTION

SWR      REF=0.000 pU      10.000 U/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 4  
4.000000000 GHz  
1.325 U

MARKER TO MAX  
MARKER TO MIN

- |   |                 |         |
|---|-----------------|---------|
| 1 | 3.300000000 GHz | 1.220 U |
| 2 | 3.500000000 GHz | 1.085 U |
| 3 | 3.800000000 GHz | 1.075 U |

MARKER READOUT  
FUNCTIONS

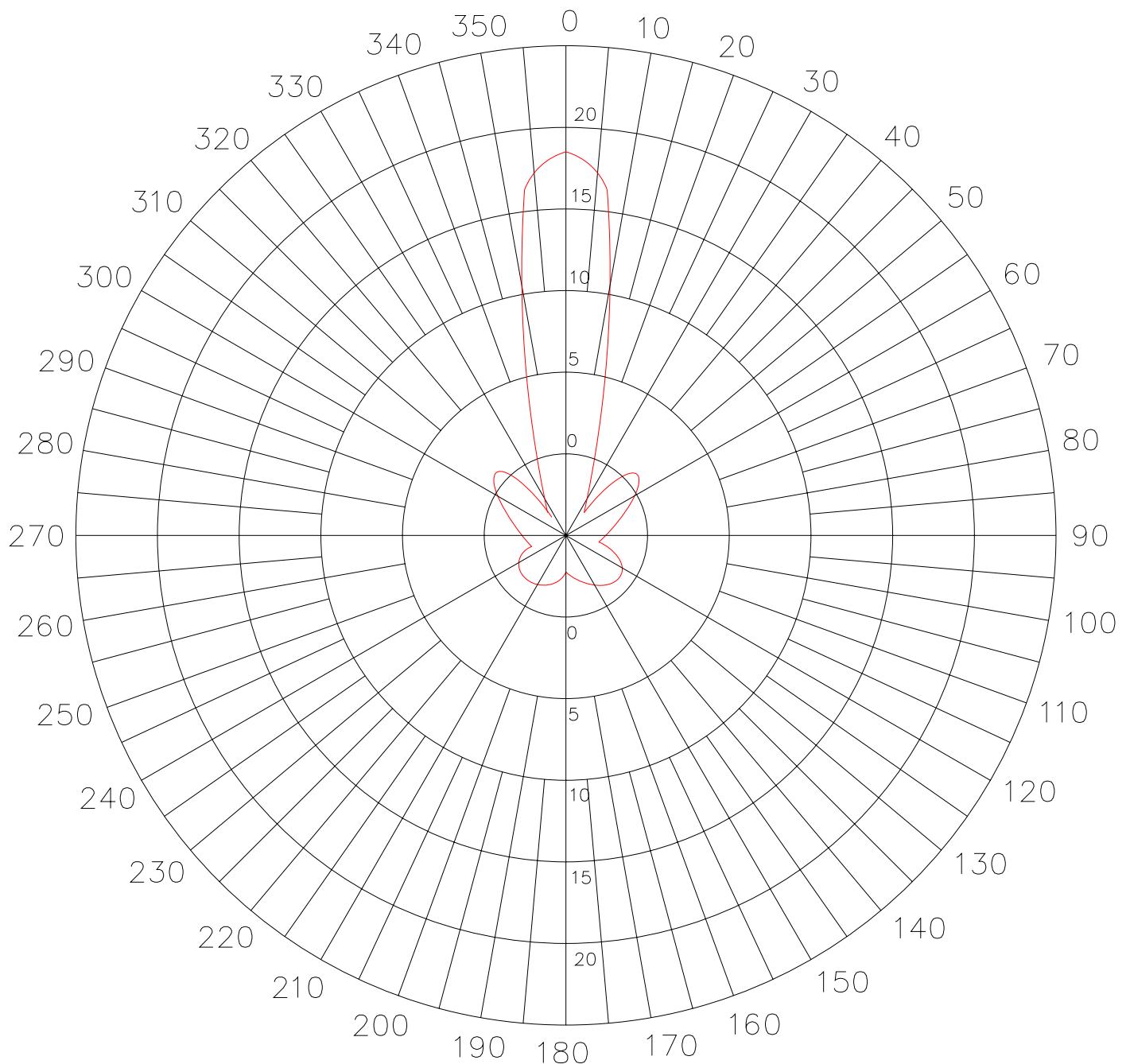
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## H-PLANE FIELD PATTERNS



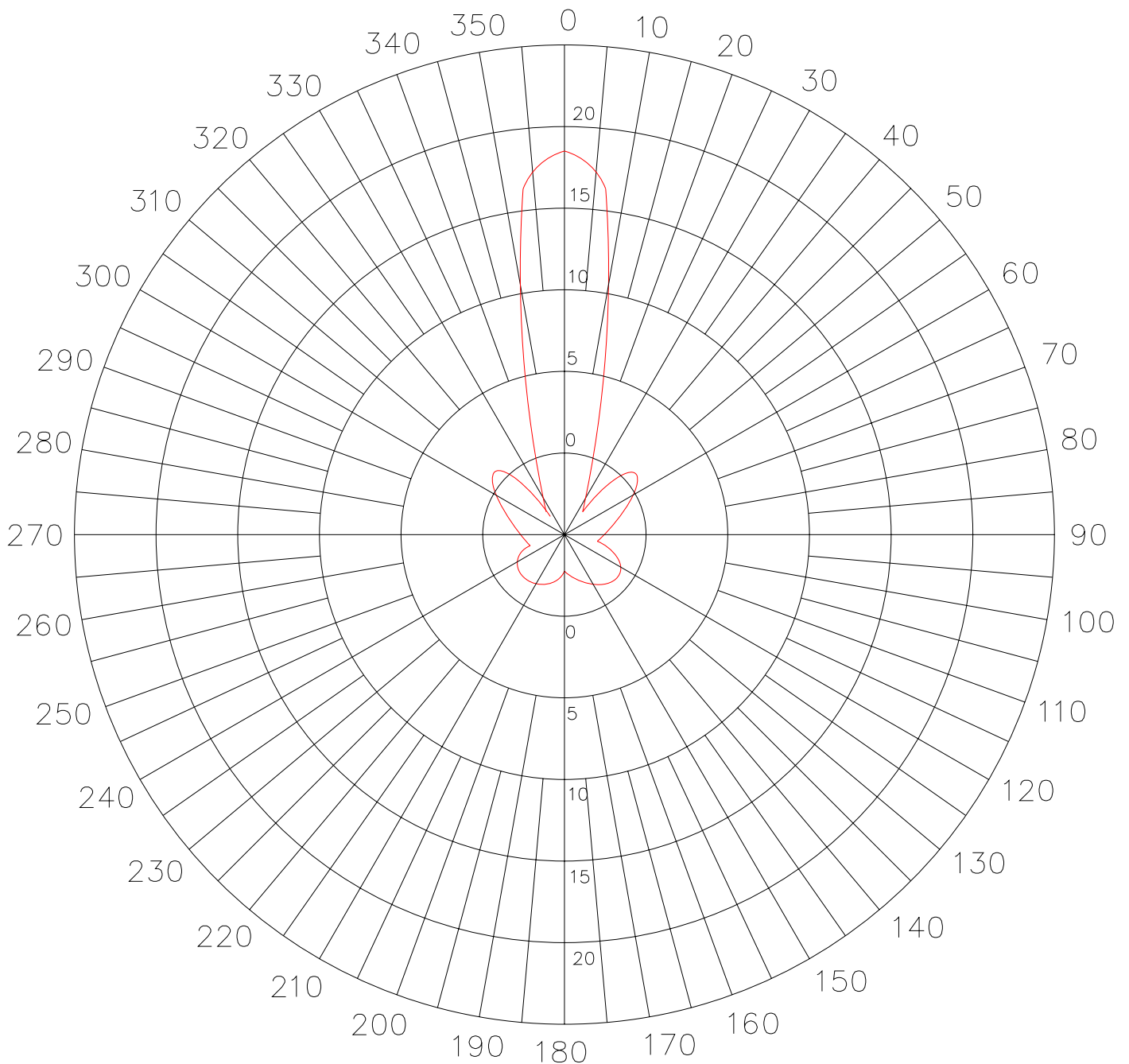
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## E-PLANE FIELD PATTERNS



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