

# Directional Panel Antenna

for 802.11a/b/g

Version 1

TP-245

## Electrical Specification:

Frequency	2.4~2.5/5.1~5.9GHz
Part Number	TP-245
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	12/15 dBi
Power handling	20W Max
Front to back ratio	25dB
HPBW / horizontal	50°/10°
HPBW / vertical	30°/10°

## MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	270x205 x15 mm
Weight	310 g
Radome color	Gray-white
Radome material	PC and ABS

# Directional Panel Antenna

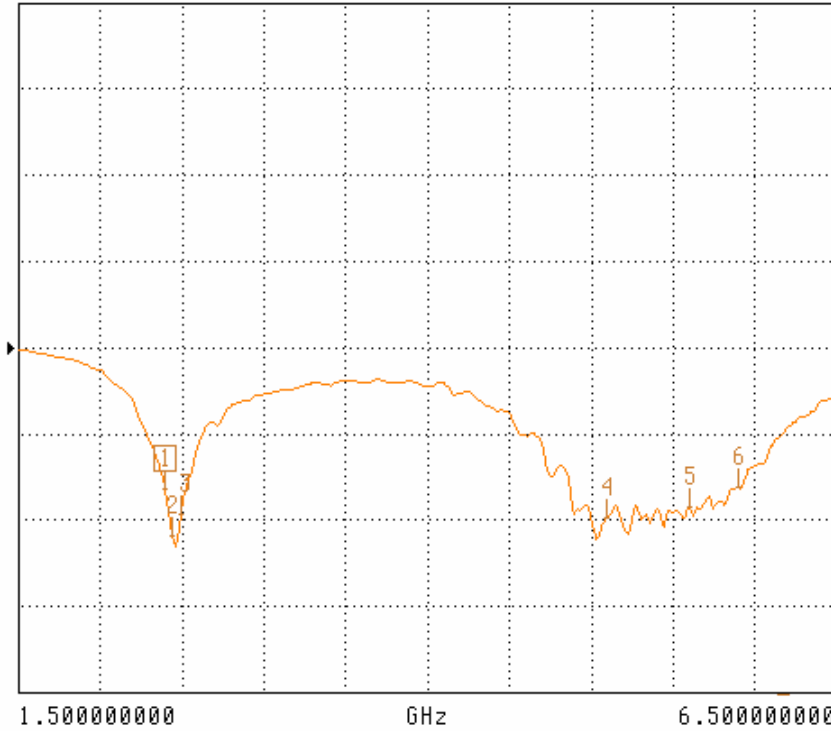
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### TP-245

S11 FORWARD REFLECTION

LOG MAGNITUDE      ▶REF=0.000 dB      10.000 dB/DIV



CH 1 - S11  
REFERENCE PLANE  
0.0000 mm

MARKER 1  
2.400000000 GHz  
-16.441 dB

▶ MARKER TO MAX  
MARKER TO MIN

2 2.450000000 GHz  
-21.891 dB

3 2.500000000 GHz  
-19.474 dB

4 5.100000000 GHz  
-19.730 dB

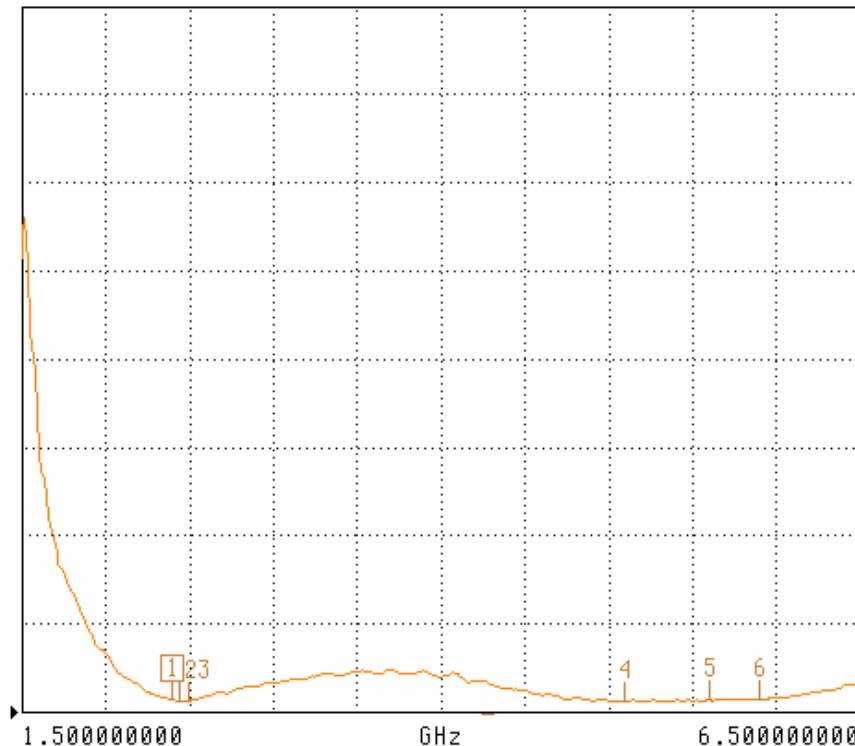
5 5.600000000 GHz  
-18.635 dB

6 5.900000000 GHz  
-16.303 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 1  
2.400000000 GHz  
1.357 U

▶ MARKER TO MAX  
MARKER TO MIN

2 2.450000000 GHz  
1.170 U

3 2.500000000 GHz  
1.244 U

4 5.100000000 GHz  
1.231 U

5 5.600000000 GHz  
1.276 U

6 5.900000000 GHz  
1.379 U

MARKER READOUT  
FUNCTIONS

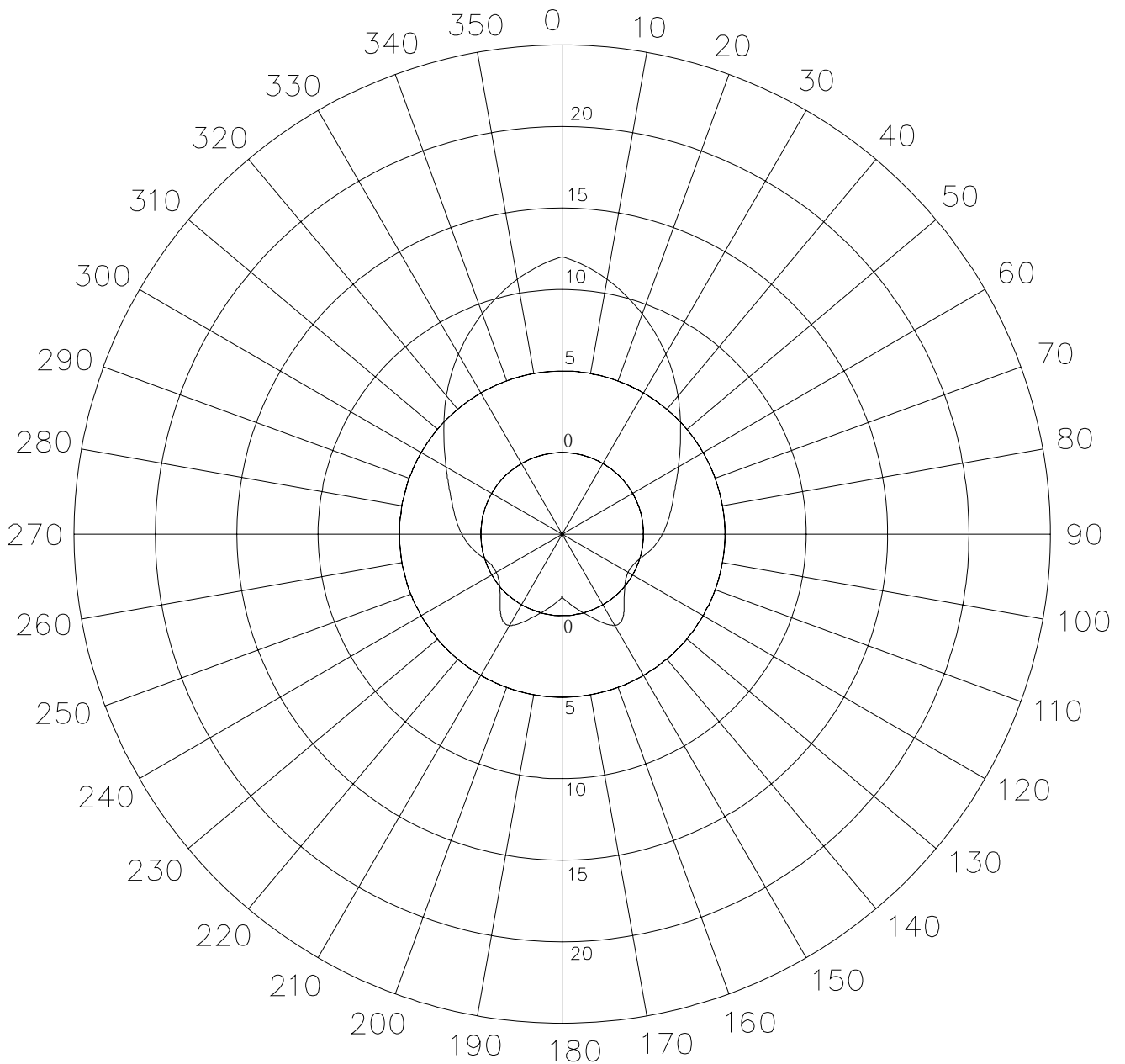
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## H-PLANE FIELD PATTERNS for 2.4GHz



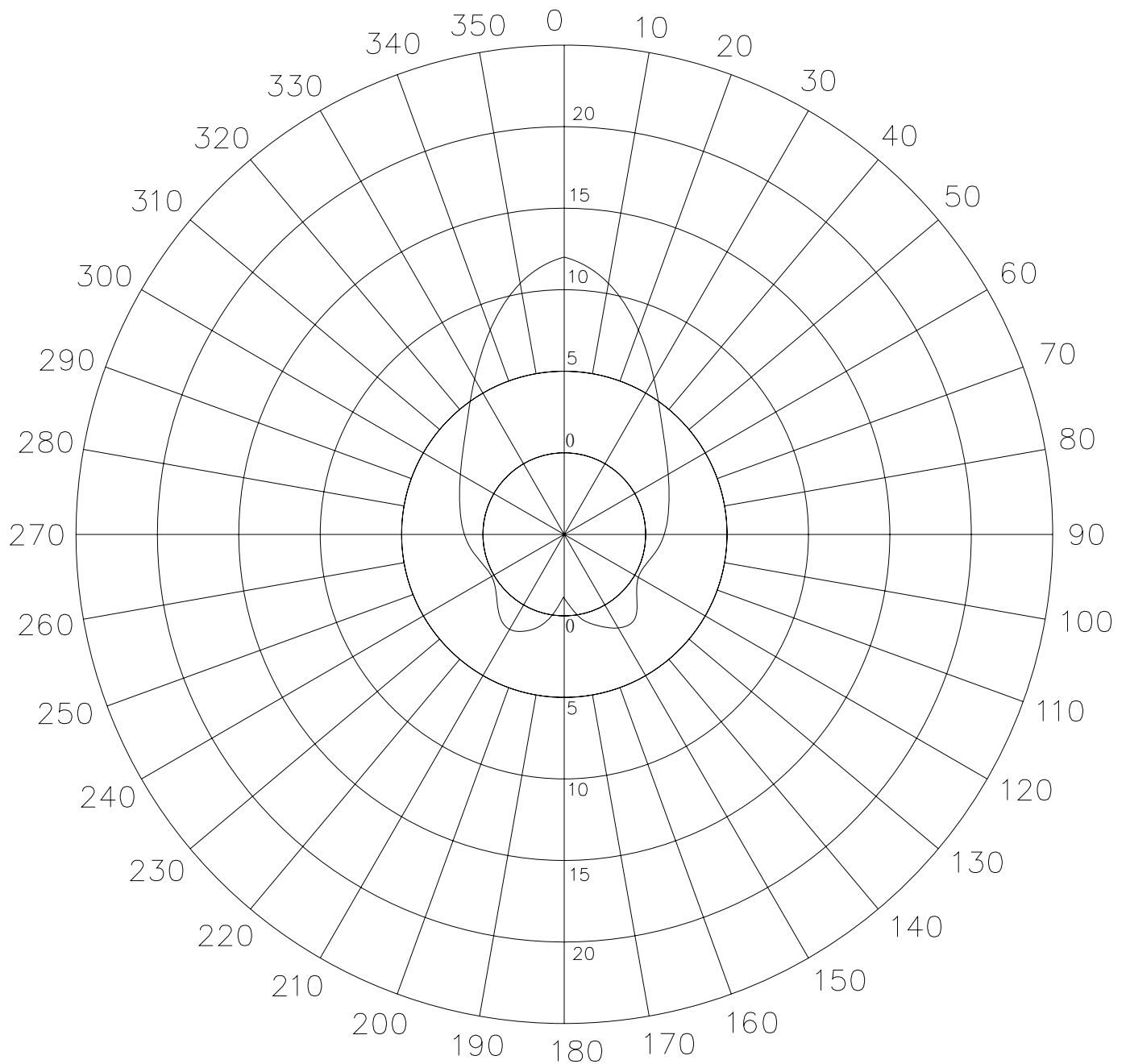
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## E-PLANE FIELD PATTERNS for 2.4GHz



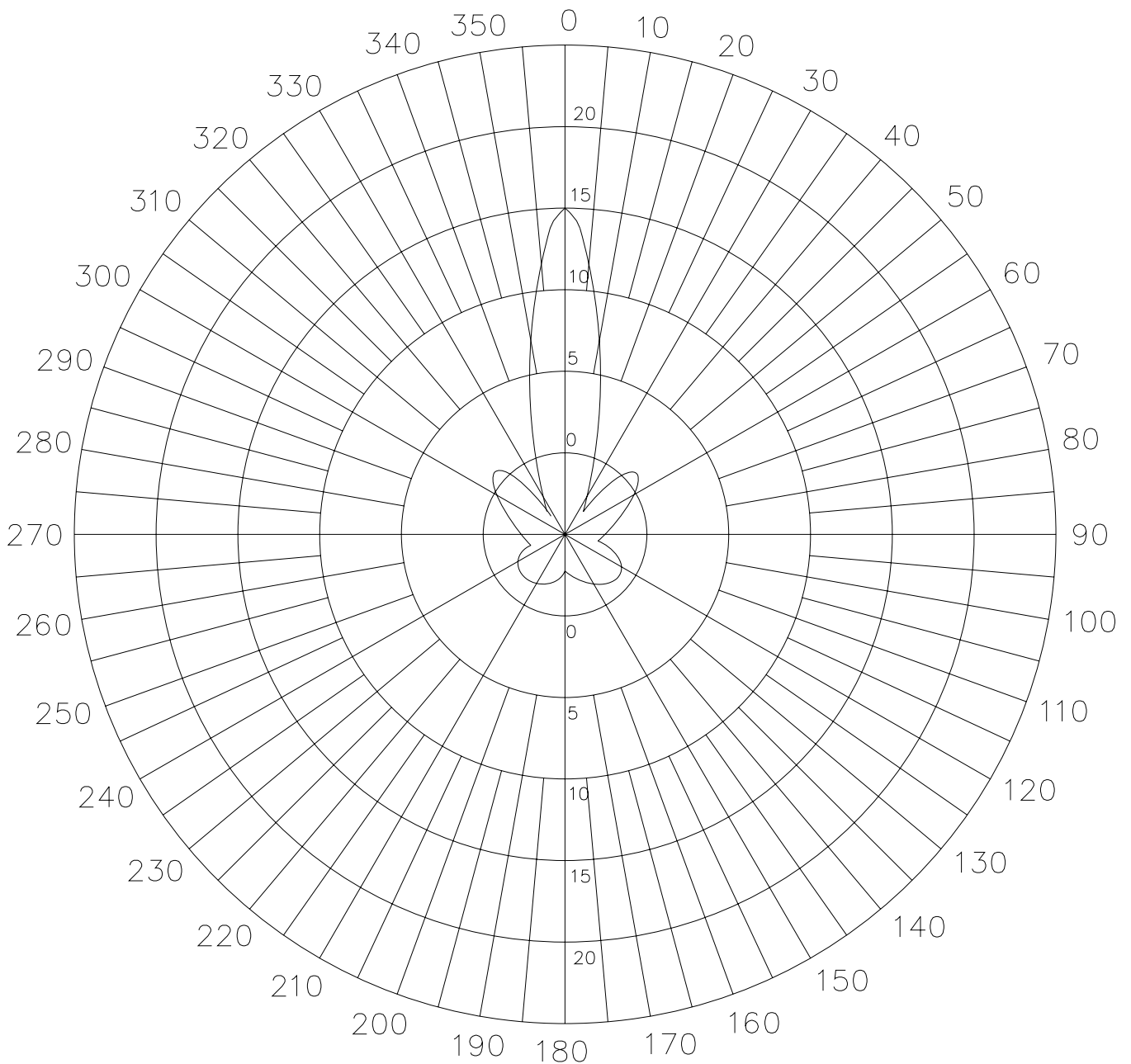
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## H-PLANE FIELD PATTERNS for 5.8GHz



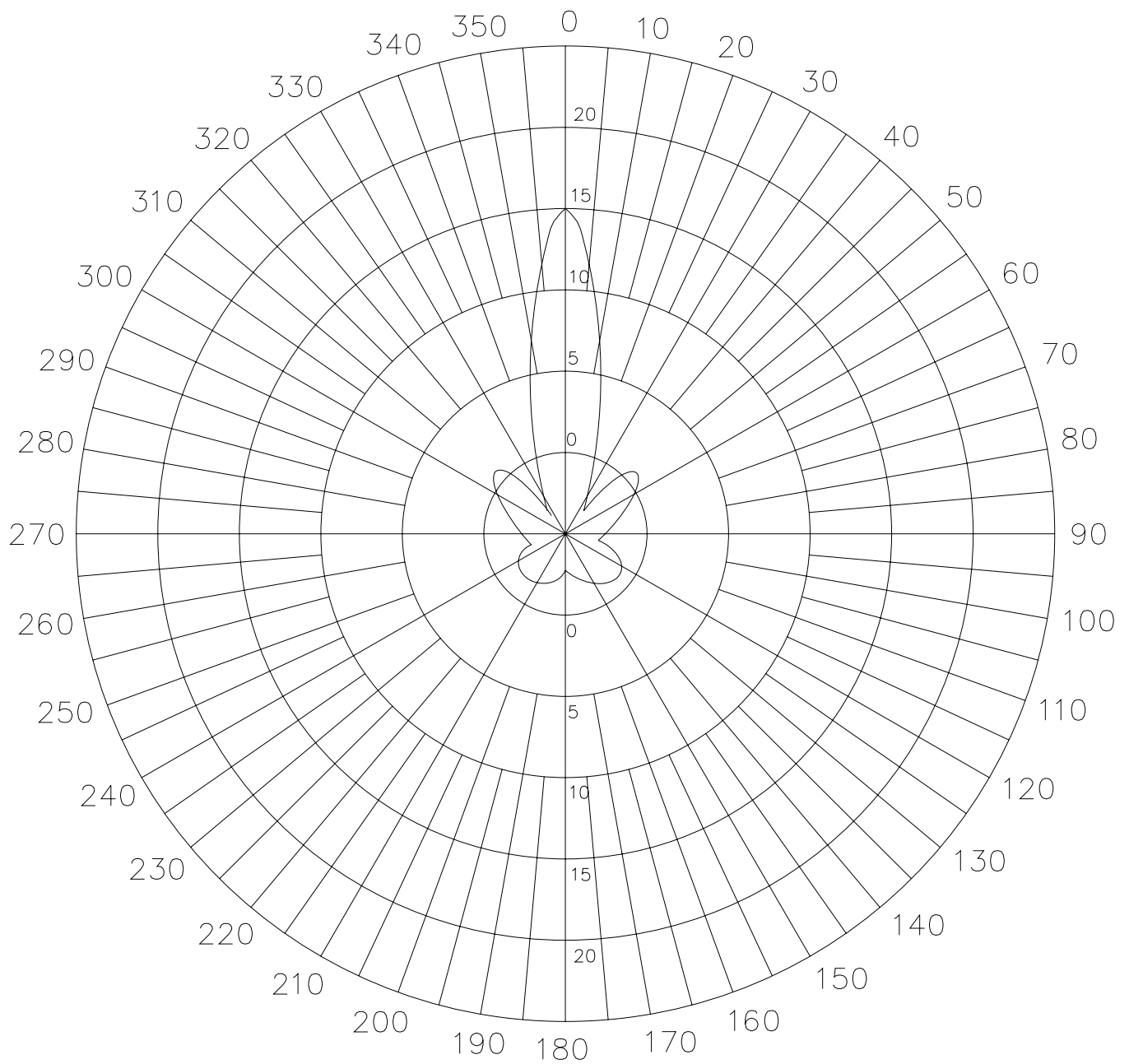
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## E-PLANE FIELD PATTERNS for 5.8GHz



# Directional Panel Antenna

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