

Directional Panel Antenna

for 2.4~2.5GHz Version 1

AN11

Electrical Specification:

Frequency	2.4~2.5GHz
Part Number	1PG-2409CP
Polarization	CP
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	9 dBi
Power handling	10W Max
Front to back ratio	20dB
HPBW / horizontal	70°
HPBW / vertical	70°

MECHANICAL SPECIFICATION

Connector Type	SMA Male
Length	φ 130*50mm
Weight	200g
Radome color	Gray-white
Radome material	PC and ABS

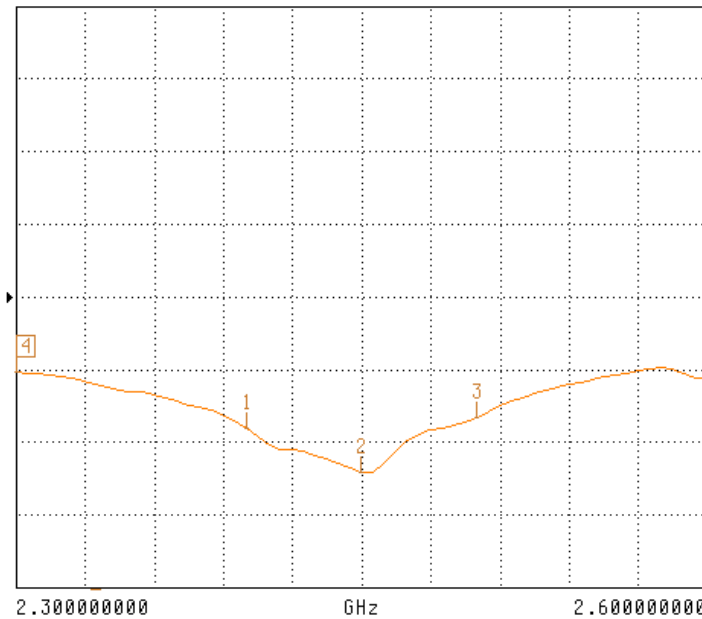
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S11 FORWARD REFLECTION

LOG MAGNITUDE REF=0.000 dB 10.000 dB/DIV



CH 1 - S11
REFERENCE PLANE
0.0000 mm

MARKER 4
2.300000000 GHz
-10.331 dB

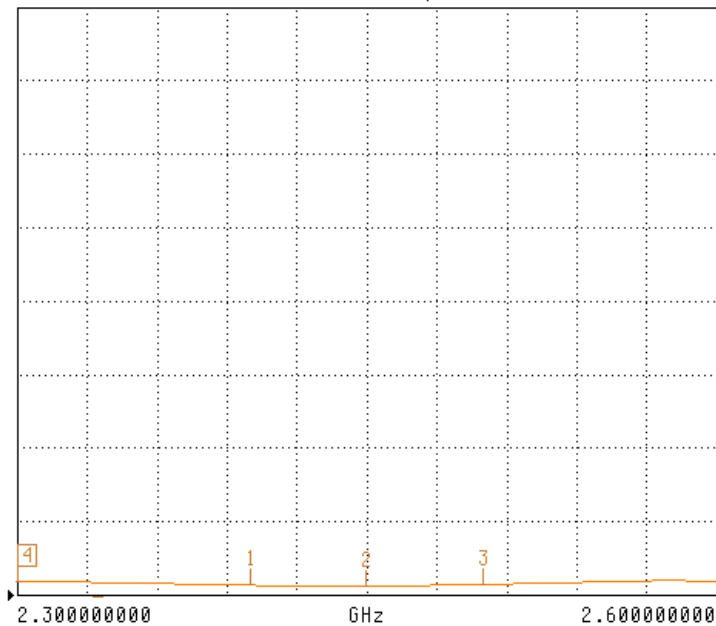
MARKER TO MAX
MARKER TO MIN

- 1 2.400000000 GHz
-18.183 dB
- 2 2.450000000 GHz
-24.285 dB
- 3 2.500000000 GHz
-16.557 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
2.300000000 GHz
1.879 U

MARKER TO MAX
MARKER TO MIN

- 1 2.400000000 GHz
1.282 U
- 2 2.450000000 GHz
1.131 U
- 3 2.500000000 GHz
1.348 U

MARKER READOUT
FUNCTIONS

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H-PLANE FIELD PATTERNS



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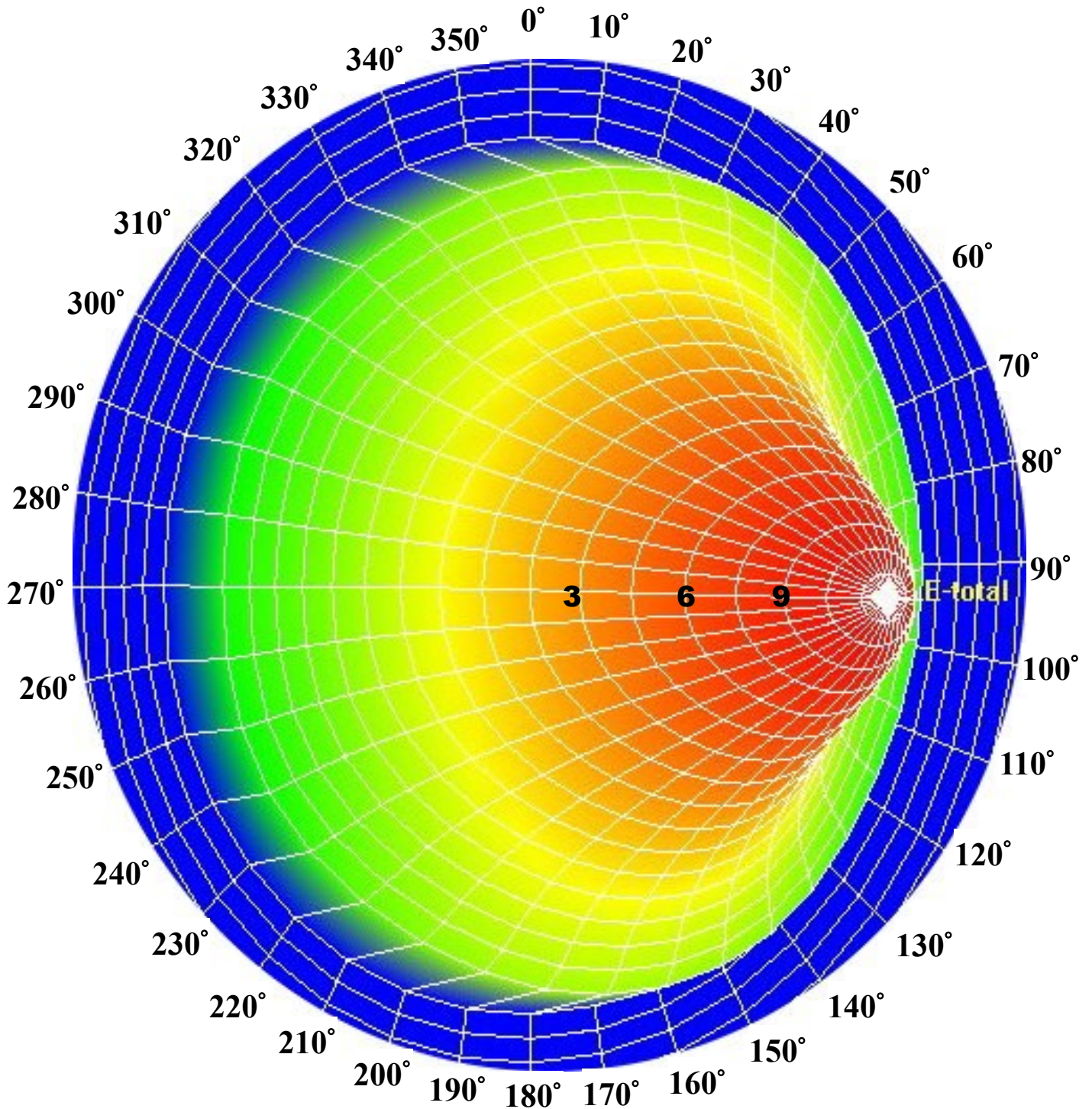
E-PLANE FIELD PATTERNS



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