

Directional Panel Antenna

for 5.1 ~ 5.9GHz

Version 1

TP-51921

Electrical Specification:

Frequency	5.1~5.9GHz
Part Number	TP-51921
Polarization	Linear
V.S.W.R.	1 : 1.3 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	21 dBi
Power handling	20W Max
Front to back ratio	35dB
HPBW / horizontal	10°
HPBW / vertical	8°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	370*370*35mm
Weight	2.1Kg
Radome color	WHITE
Radome material	PVC

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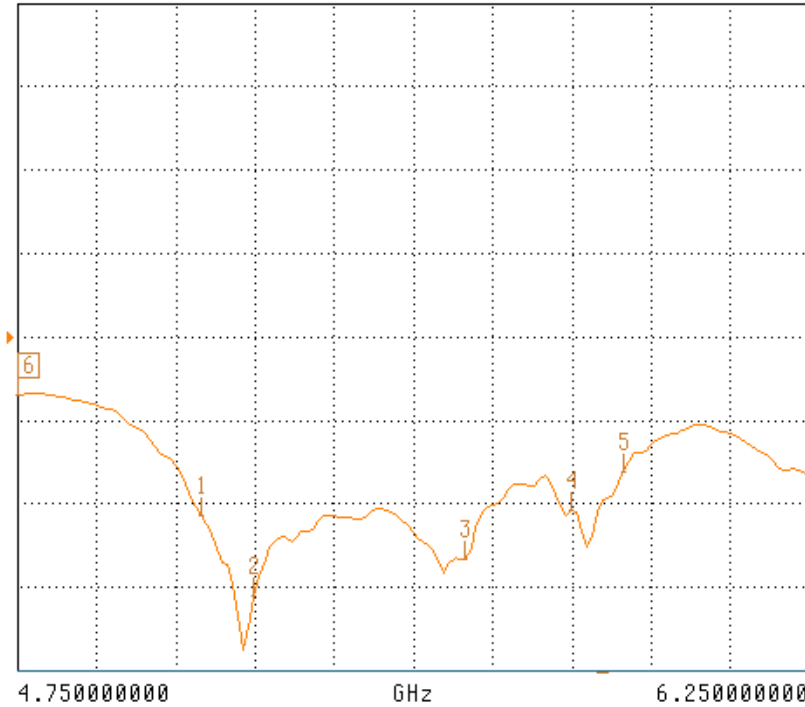
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CH1: S11 FWD REFL
LOG MAGNITUDE
REF=0.000 dB
10.000 dB/DIV

CH3: S21 FWD TRANS
LOG MAGNITUDE
REF=0.000 dB
10.000 dB/DIV

CH 1 - S11
REFERENCE PLANE
0.0000 mm



MARKER 6
4.750000000 GHz
-7.074 dB

MARKER TO MAX
MARKER TO MIN

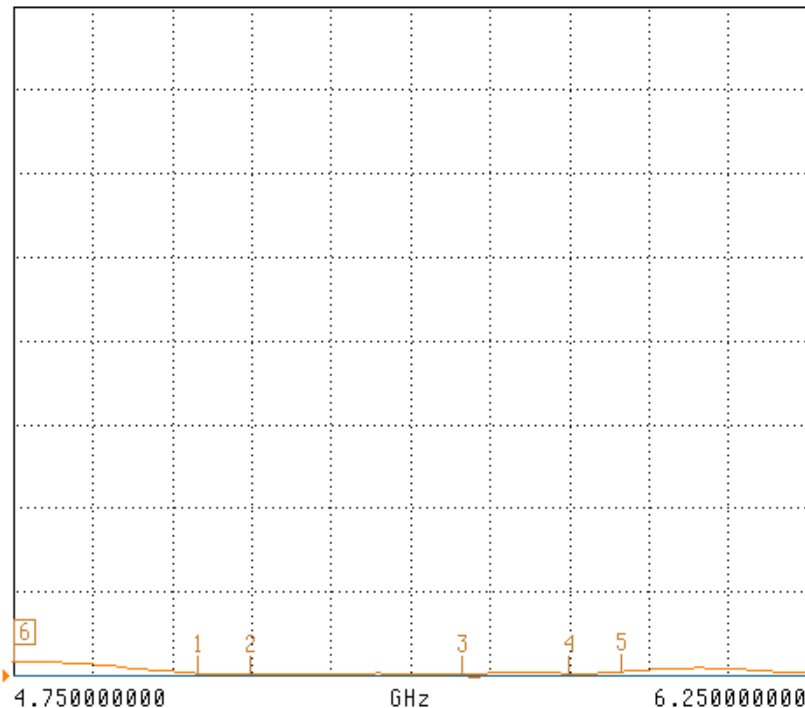
- 1 5.100000000 GHz
-21.437 dB
- 2 5.200000000 GHz
-31.188 dB
- 3 5.600000000 GHz
-26.768 dB
- 4 5.800000000 GHz
-20.832 dB
- 5 5.900000000 GHz
-16.136 dB

MARKER READOUT
FUNCTIONS

CH1: S11 FWD REFL
SWR
REF=1.000 U
10.000 U/DIV

CH3: S21 FWD TRANS
LOG MAGNITUDE
REF=0.000 dB
10.000 dB/DIV

CH 1 - S11
REFERENCE PLANE
0.0000 mm



MARKER 6
4.750000000 GHz
2.603 U

MARKER TO MAX
MARKER TO MIN

- 1 5.100000000 GHz
1.197 U
- 2 5.200000000 GHz
1.052 U
- 3 5.600000000 GHz
1.095 U
- 4 5.800000000 GHz
1.205 U
- 5 5.900000000 GHz
1.369 U

MARKER READOUT
FUNCTIONS

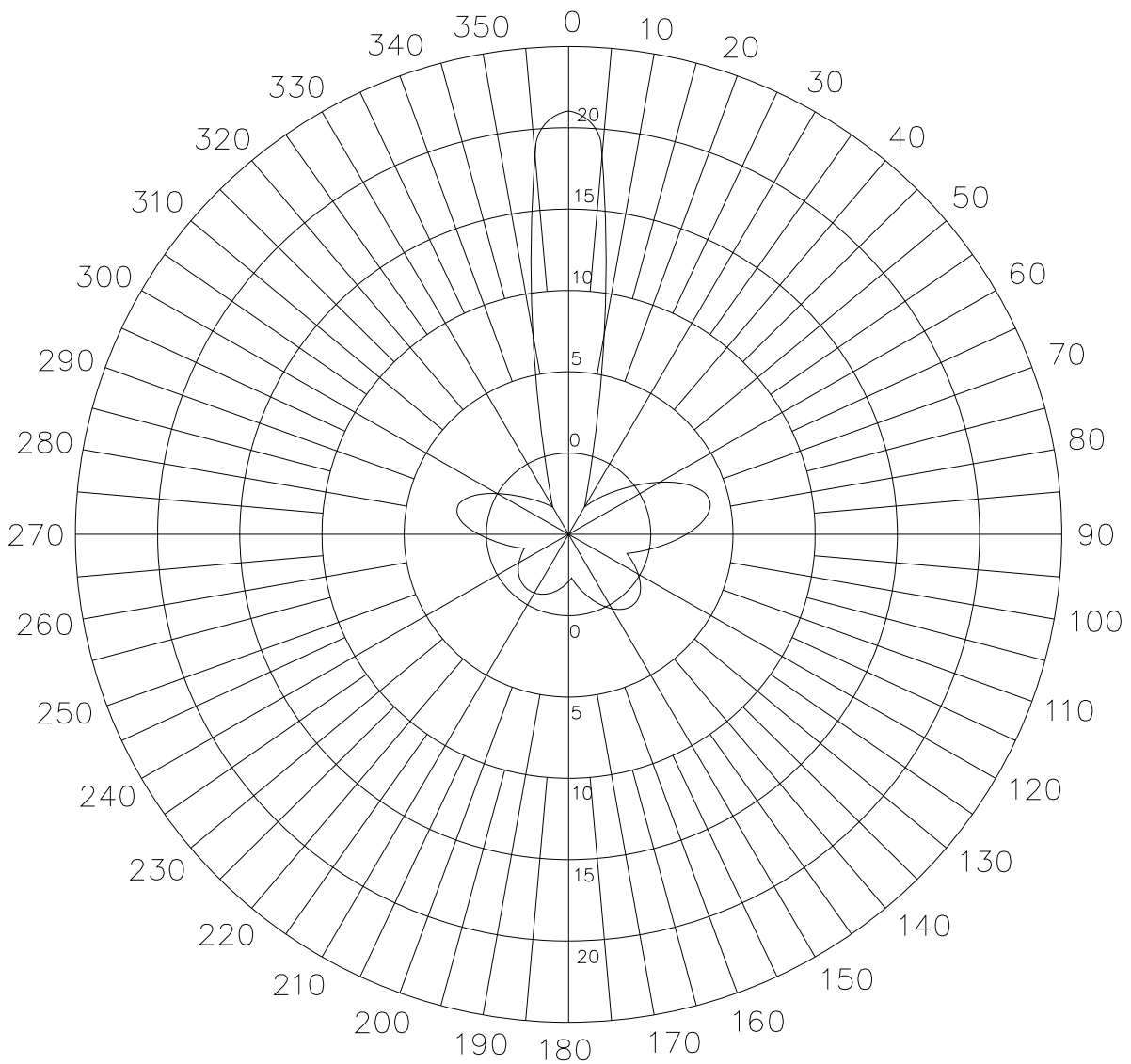
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H-PLANE FIELD PATTERNS



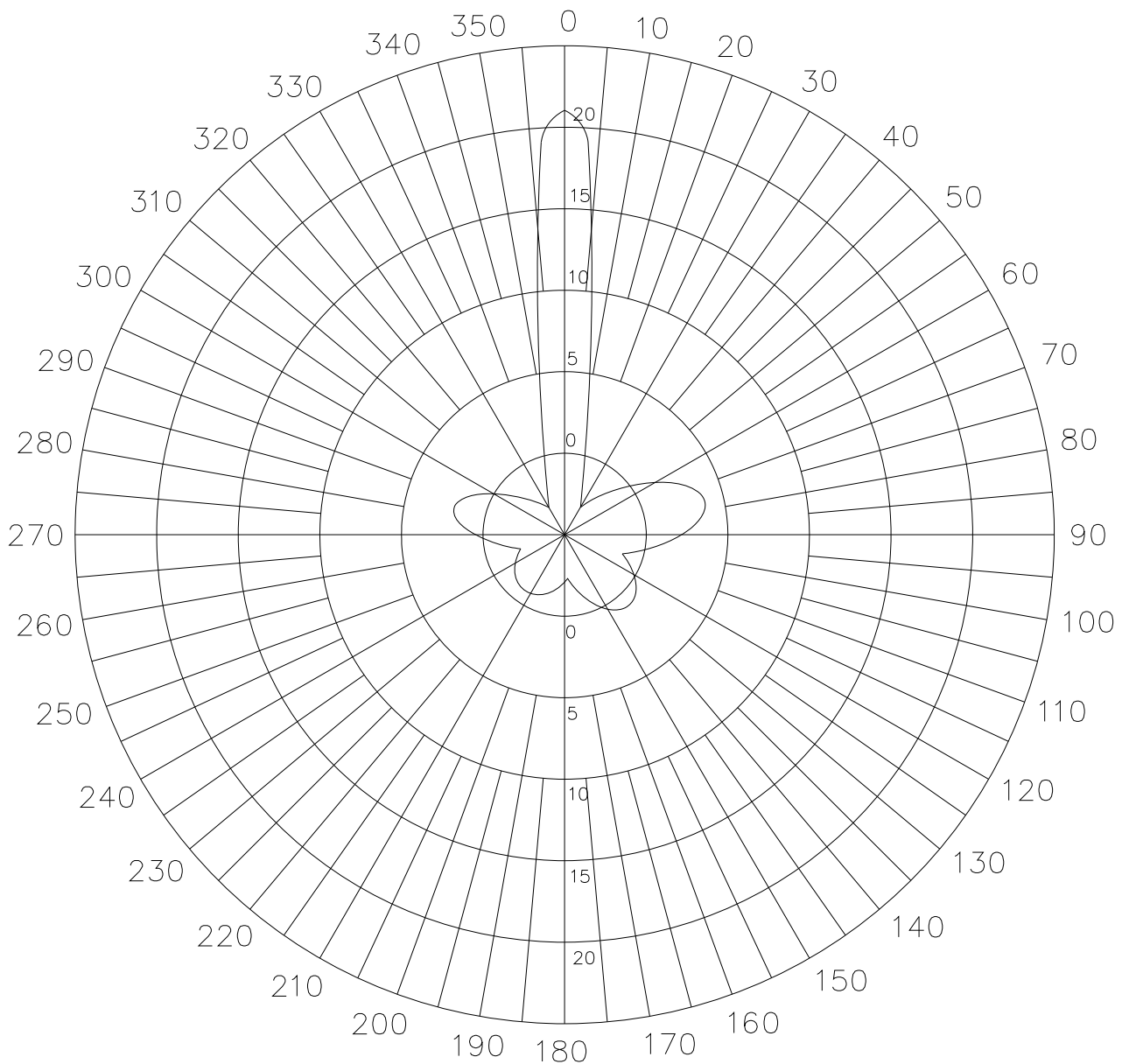
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E-PLANE FIELD PATTERNS



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N TYPE
FEMALE

