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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

Product Description: **802.11a Directional Panel Antenna**

Part Number: **1PG-51818**

Date: **2008-08-11**

Customer Evaluation:

PASS

NG

Approved Date:

Evertime Communication Approved By : _____ Date:

Evertime Communication Prepared By : _____ Date:

Directional Panel Antenna

for 5.1 ~ 5.9GHz

Version 1

1PG-51818

Electrical Specification:

Frequency	5.1~5.9GHz
Part Number	1PG-51818
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	18 dBi
Power handling	10W Max
Front to back ratio	30dB
HPBW / horizontal	10°
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	263 x 263 x 48mm
Weight	1.68Kg
Radome color	Gray-white
Radome material	PC and ABS

Directional Panel Antenna

for 5.1~5.9GHz

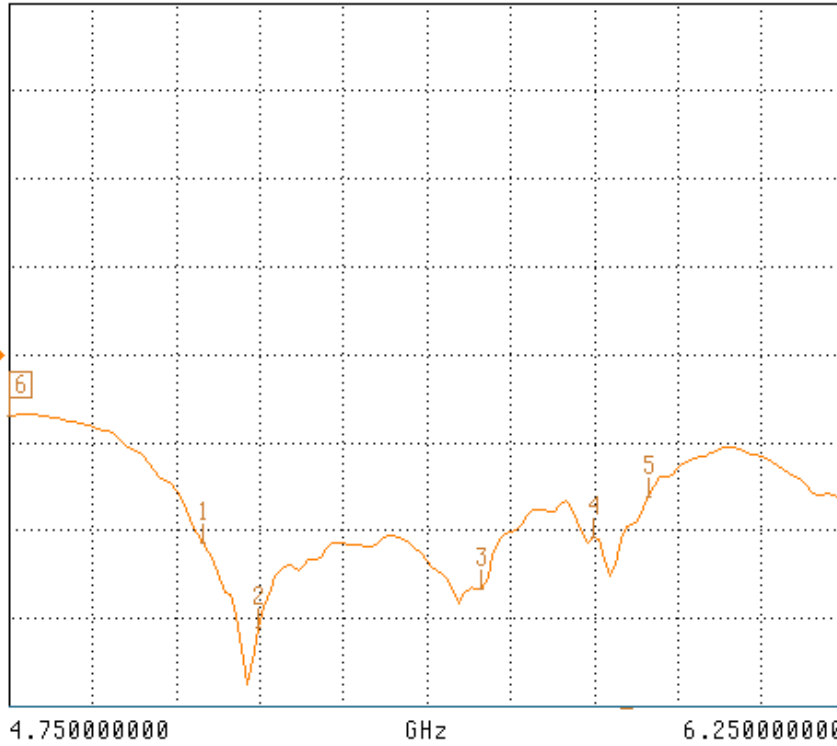
Version 1

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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

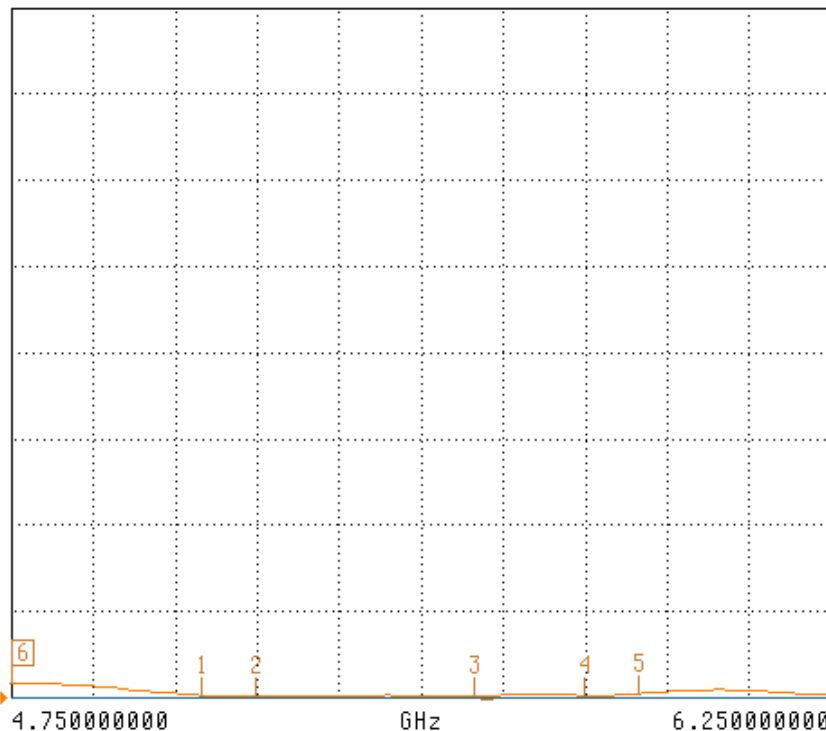
Marker	Frequency (GHz)	Value (dB)
1	5.100000000	-21.437
2	5.200000000	-31.188
3	5.600000000	-26.768
4	5.800000000	-20.832
5	5.900000000	-16.136

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

Marker	Frequency (GHz)	Value (U)
1	5.100000000	1.197
2	5.200000000	1.052
3	5.600000000	1.095
4	5.800000000	1.205
5	5.900000000	1.369

MARKER READOUT
FUNCTIONS

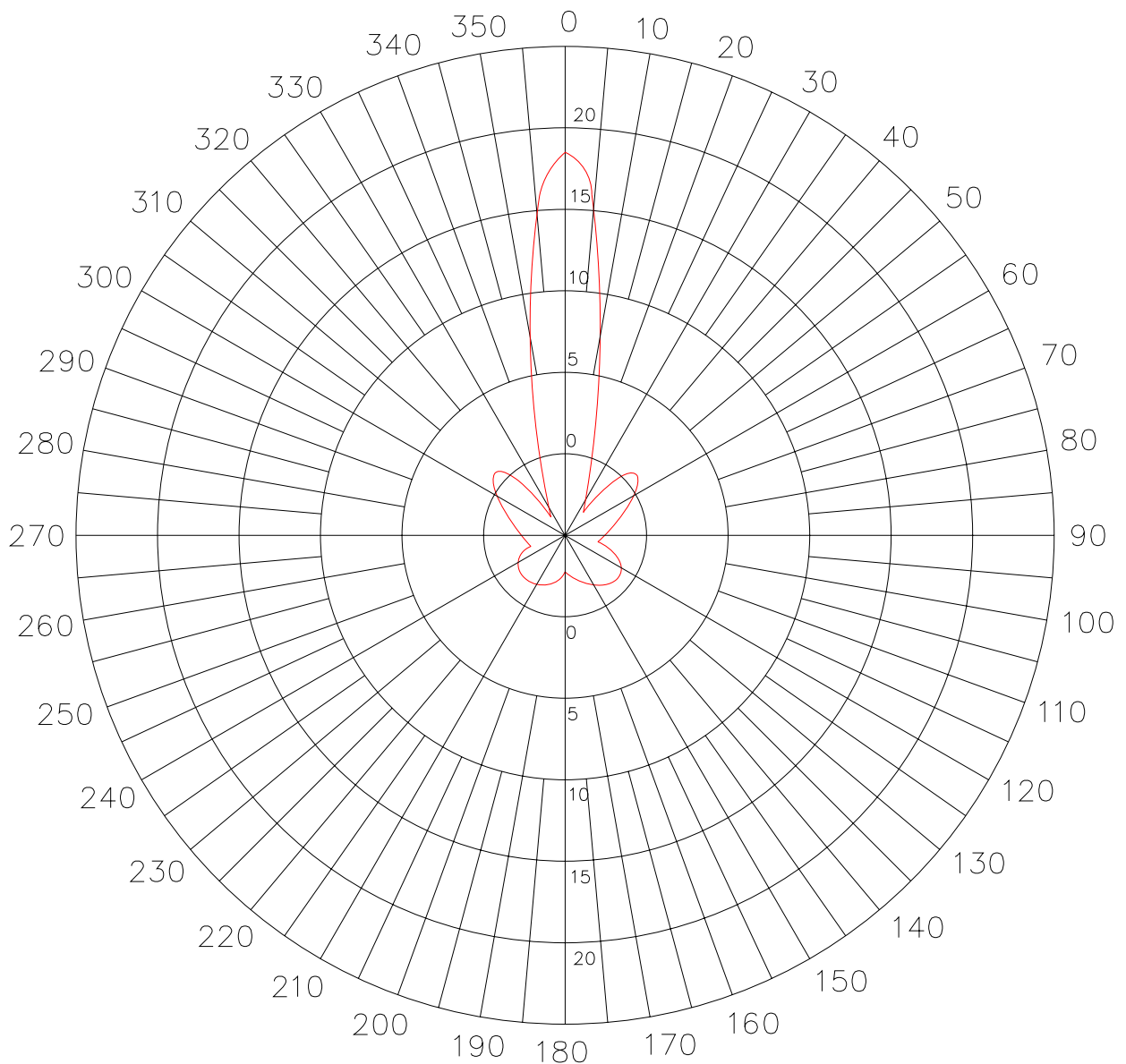
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H-PLANE FIELD PATTERNS



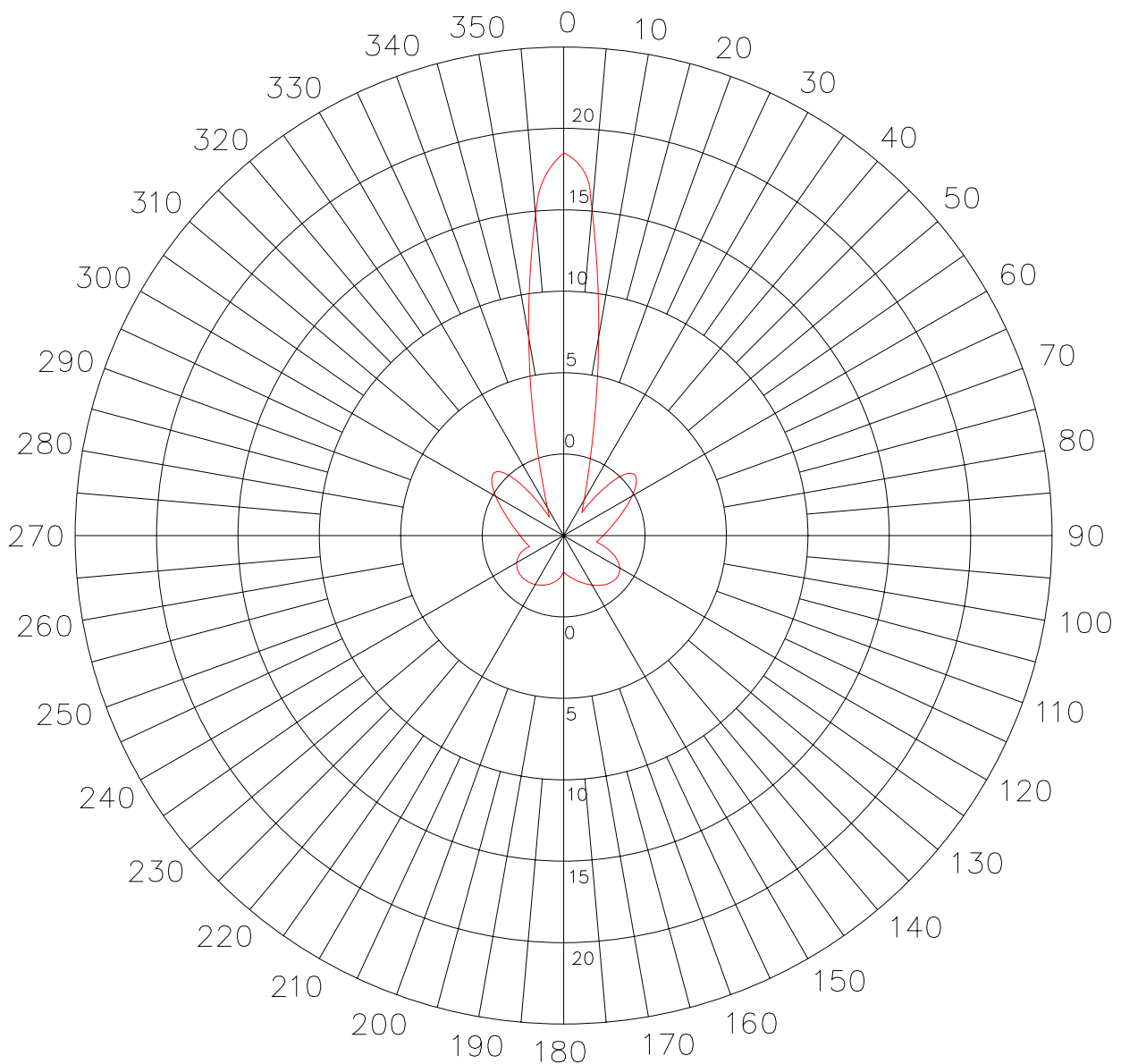
Directional Panel Antenna

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E-PLANE FIELD PATTERNS



Directional Panel Antenna

for 5.1 ~ 5.9GHz

Version 1

1PG-51818

