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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

Product Description: **802.11a/b/g Directional Panel Antenna**

Part Number: **1PG-2458-2**

Date: **2008-12-26**

Customer Evaluation:

PASS

NG

Approved Date:

Evertime Communication Approved By : _____ Date:

Evertime Communication Prepared By : _____ Date:

Evertime Communications Co., Ltd.

Directional Panel Antenna

for 802.11a/b/g

Version 1

1PG-2458-2

Electrical Specification:

Frequency	2.4~2.5/5.1~5.9GHz
Part Number	1PG-2458-2
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	15/18 dBi
Power handling	20W Max
Front to back ratio	25dB
HPBW / horizontal	50°/10°
HPBW / vertical	30°/10°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

MECHANICAL SPECIFICATION

Connector Type	N Type Female
Length	270x205 x15 mm
Weight	1024g
Radome color	Gray-white
Radome material	PC and ABS

Directional Panel Antenna

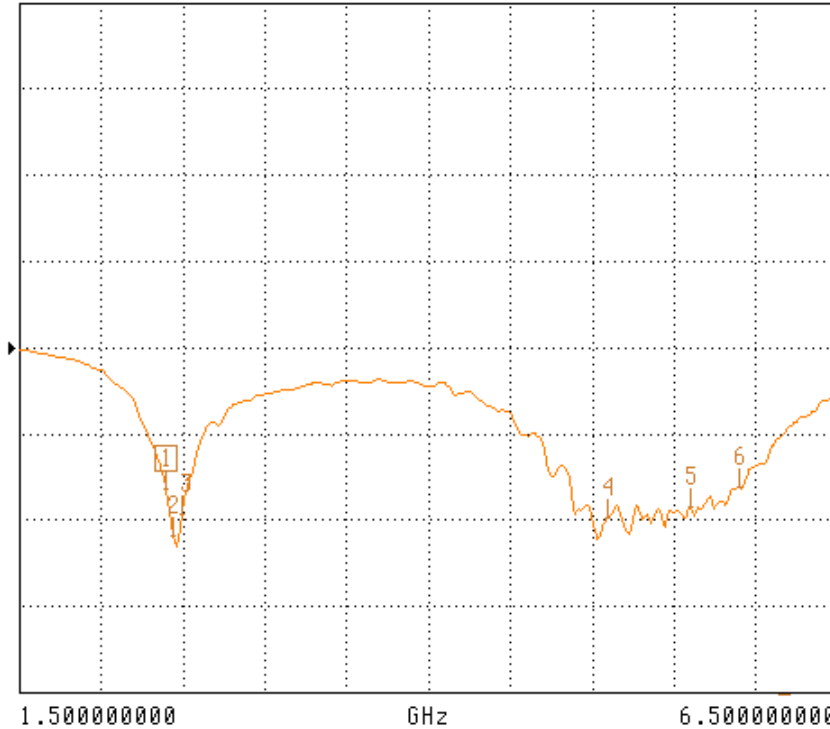
for 802.11a/b/g

Version 1

1PG-2458-2

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

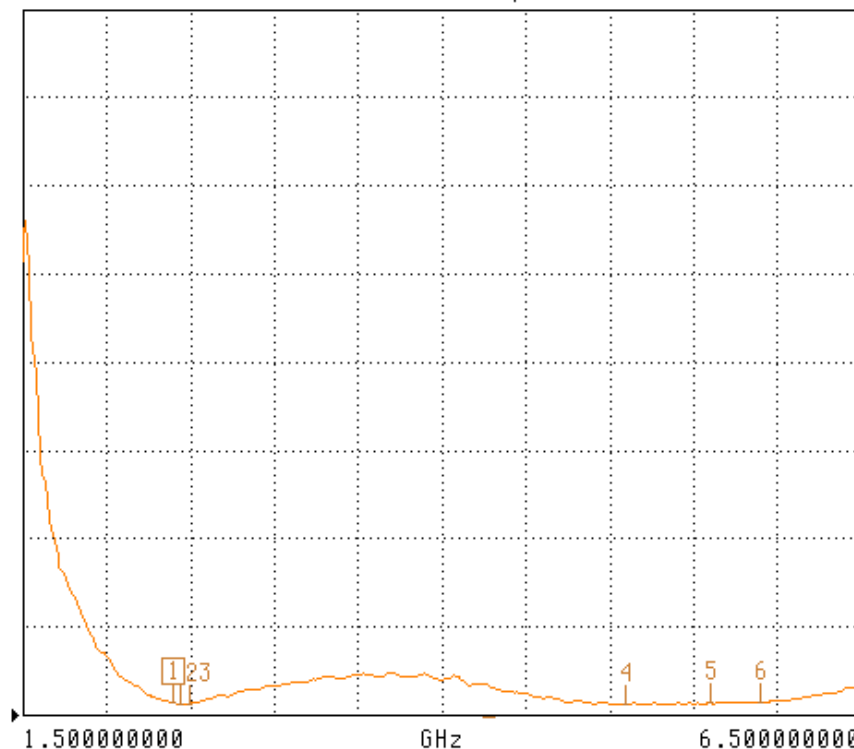
5 5.600000000 GHz
-18.635 dB

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

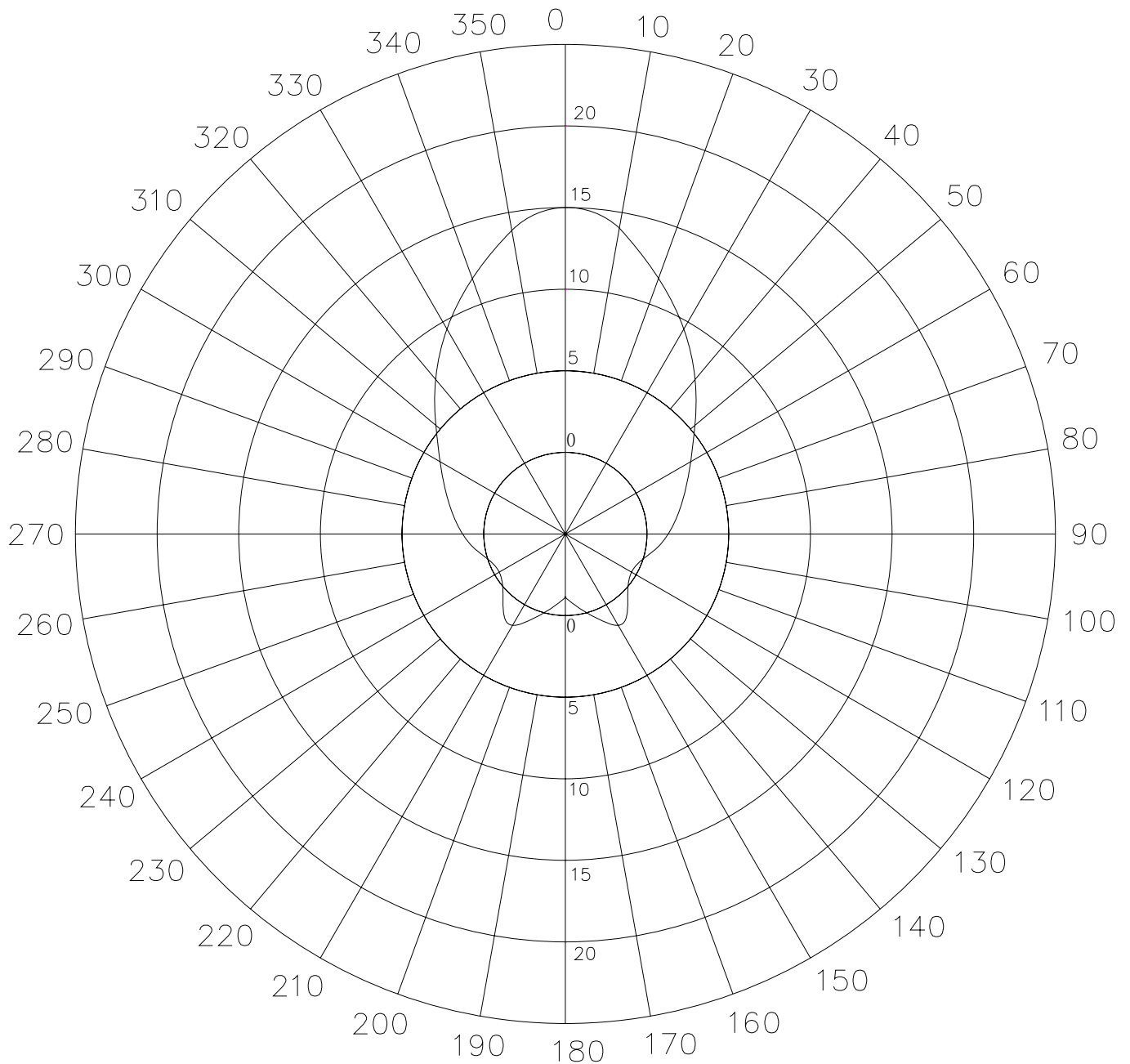
Directional Panel Antenna

for 802.11a/b/g

Version 1

1PG-2458-2

H-PLANE FIELD PATTERNS for 2.4GHz



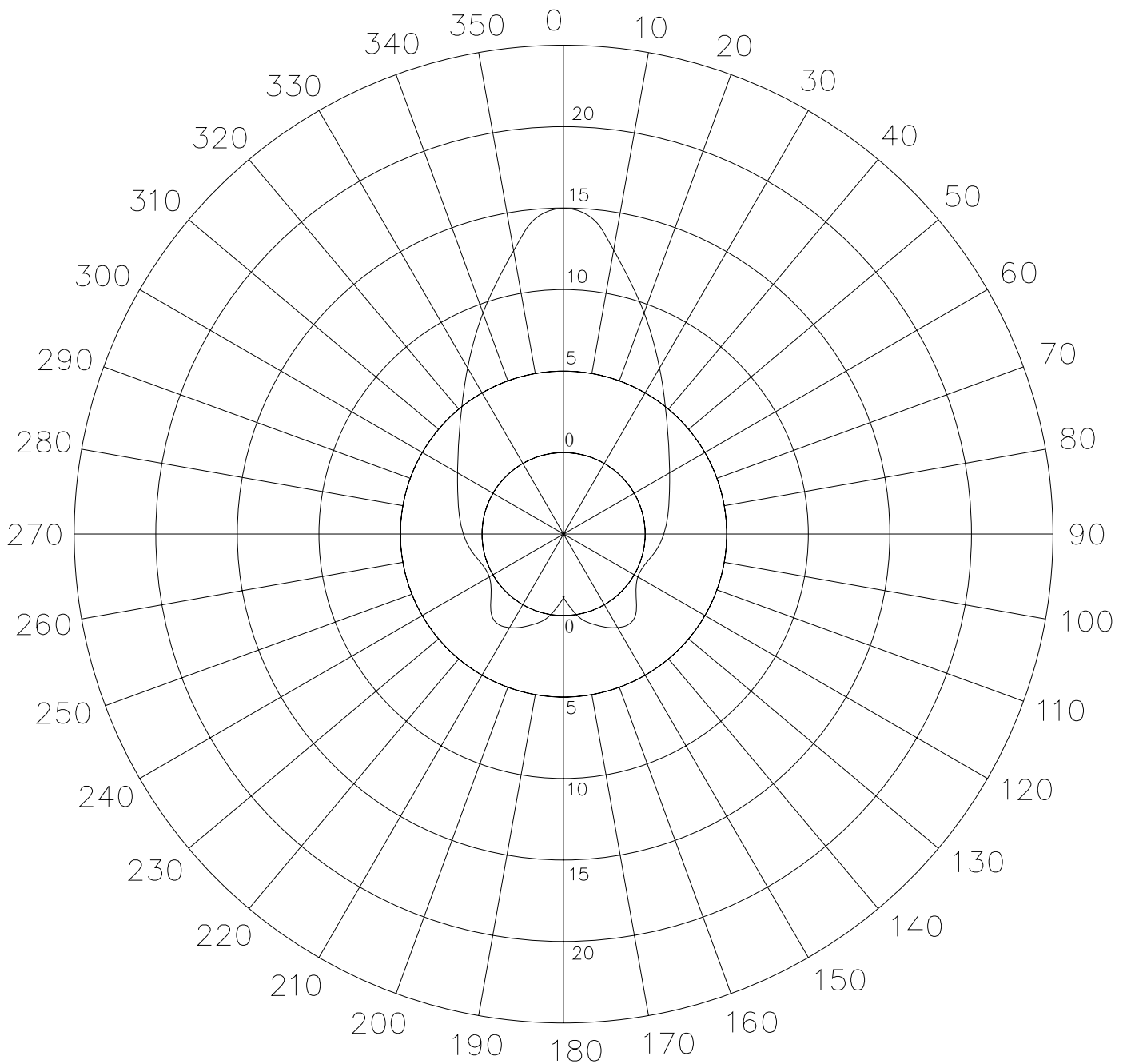
Directional Panel Antenna

for 802.11a/b/g

Version 1

1PG-2458-2

E-PLANE FIELD PATTERNS for 2.4GHz



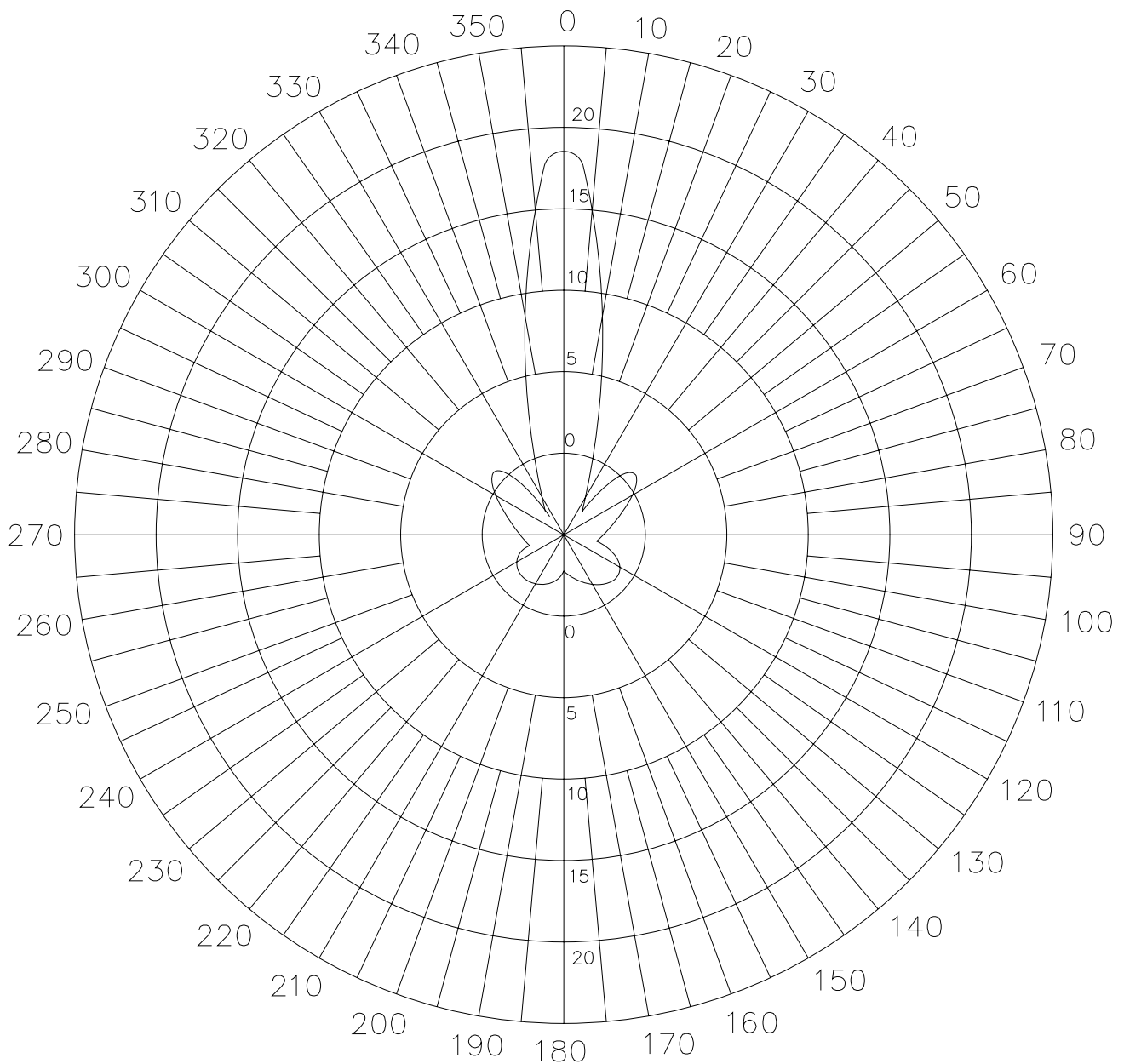
Directional Panel Antenna

for 802.11a/b/g

Version 1

1PG-2458-2

H-PLANE FIELD PATTERNS for 5.8GHz



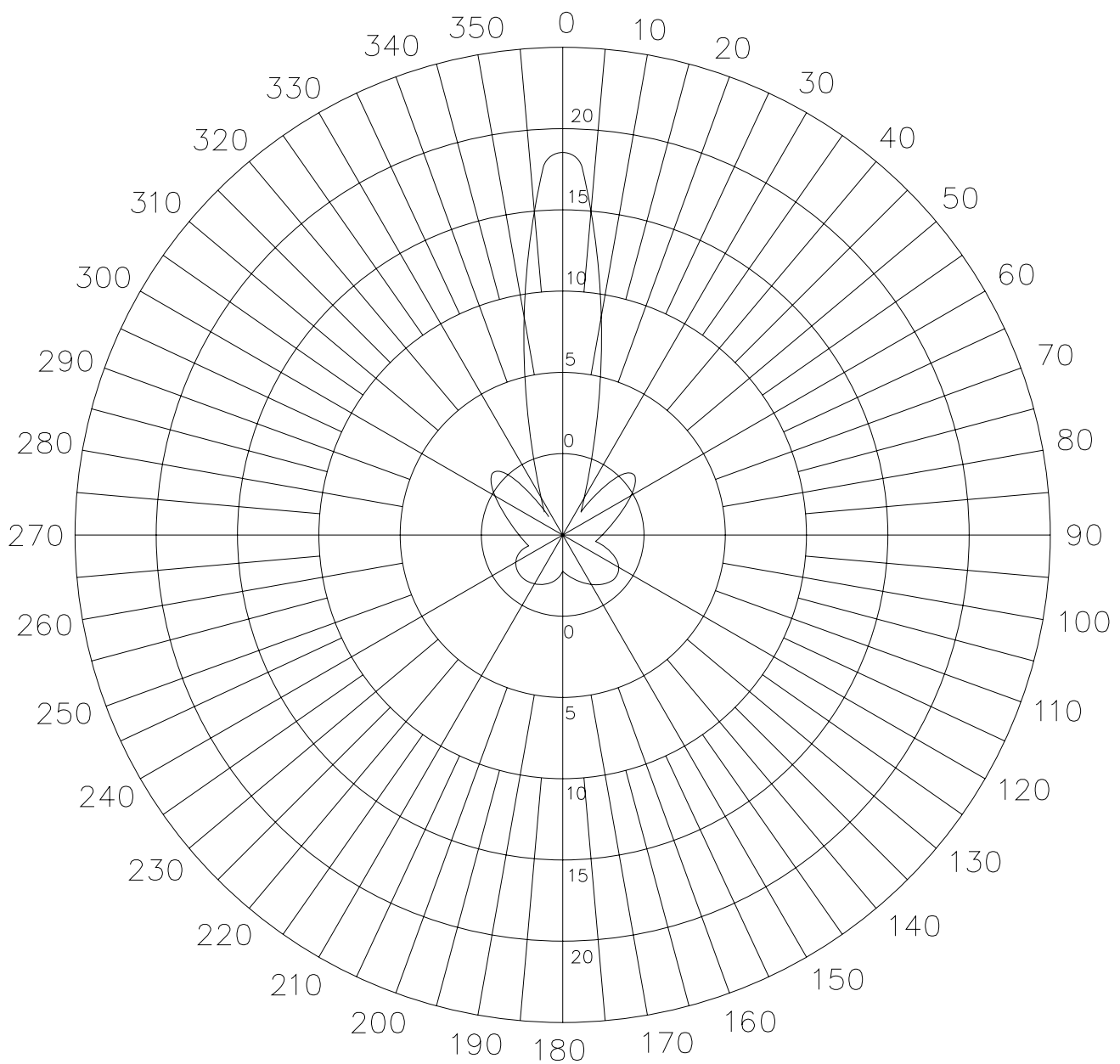
Directional Panel Antenna

for 802.11a/b/g

Version 1

1PG-2458-2

E-PLANE FIELD PATTERNS for 5.8GHz



Directional Panel Antenna

for 802.11a/b/g

Version 1

1PG-2458-2

