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承 認 書

SPECIFICATION FOR APPROVAL

Customer :

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

Part Number: **1GP-2458-3**

Date: **2008-09-30**

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Customer Evaluation:

PASS

NG

Approved Date:

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Evertime Communication Approved By : \_\_\_\_\_ Date:

Evertime Communication Prepared By : \_\_\_\_\_ Date:

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# Omni Directional Antenna

for 802.11a/b/g Version 1

1GP-2458-3

## Electrical Specification:

Frequency	2.4~2.5/5.1~5.9GHz
Part Number	1GP-2458-3
Polarization	Linear
V.S.W.R.	1 : 1.5 Max
Impedance	50 OHMS $\pm 5 \Omega$
Gain	6/9 dBi
Power handling	10W Max
Front to back ratio	N/A
HPBW / horizontal	360°
HPBW / vertical	10/8°
Rated Wind	3.0 lbs. (1.4 kg)
Operating Temperature	-20°C~60°C

## MECHANICAL SPECIFICATION

Connector Type	N Type Male
Length	$\varphi 23 \times 180\text{mm}$
Weight	115 g
Radome color	white
Radome material	glass fiber

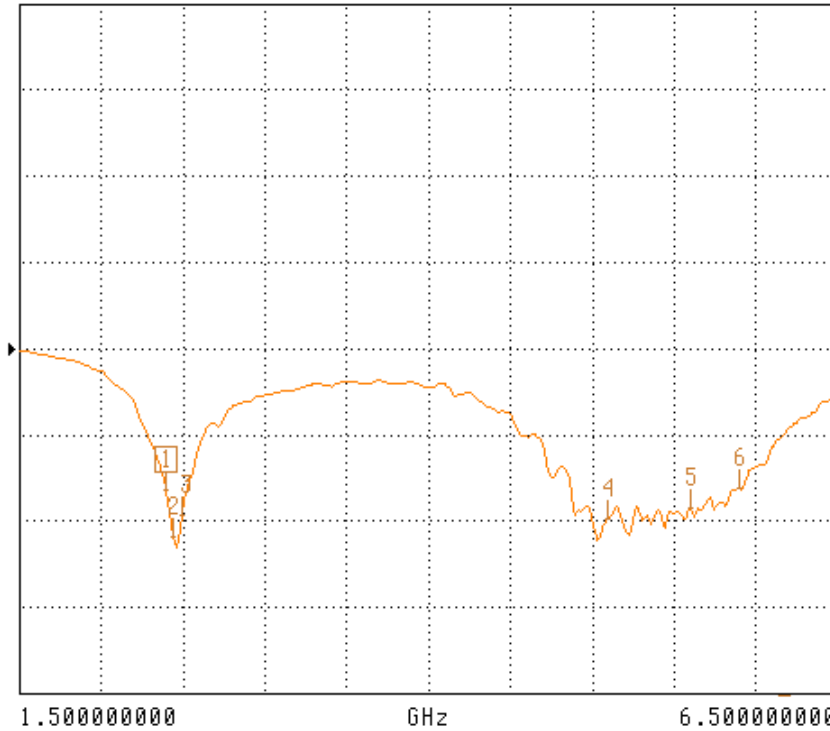
# Omni Directional Antenna

for 802.11a/b/g Version 1

## 1GP-2458-3

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

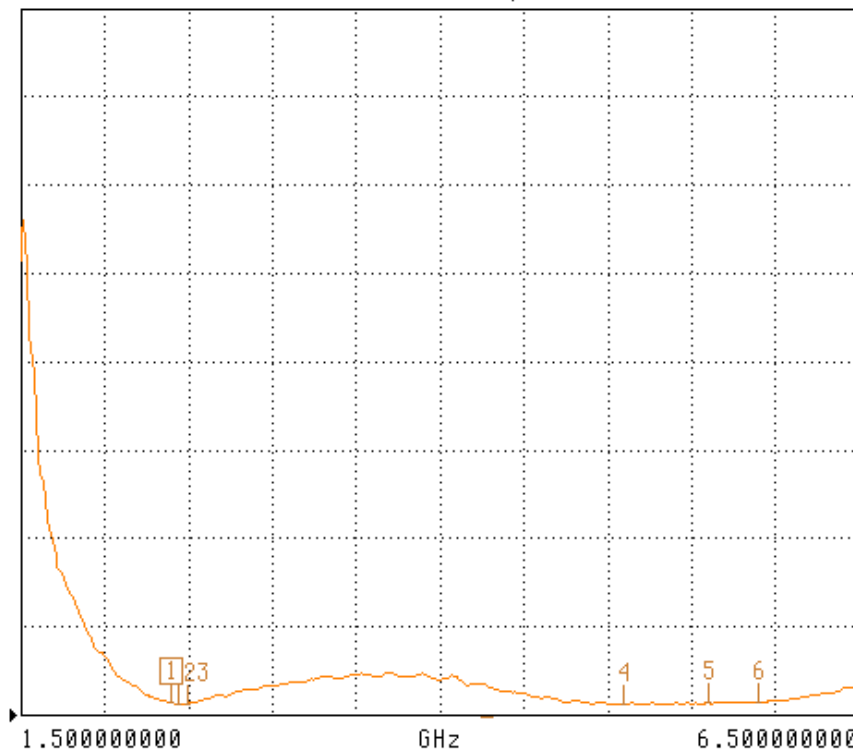
5 5.600000000 GHz  
-18.635 dB

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

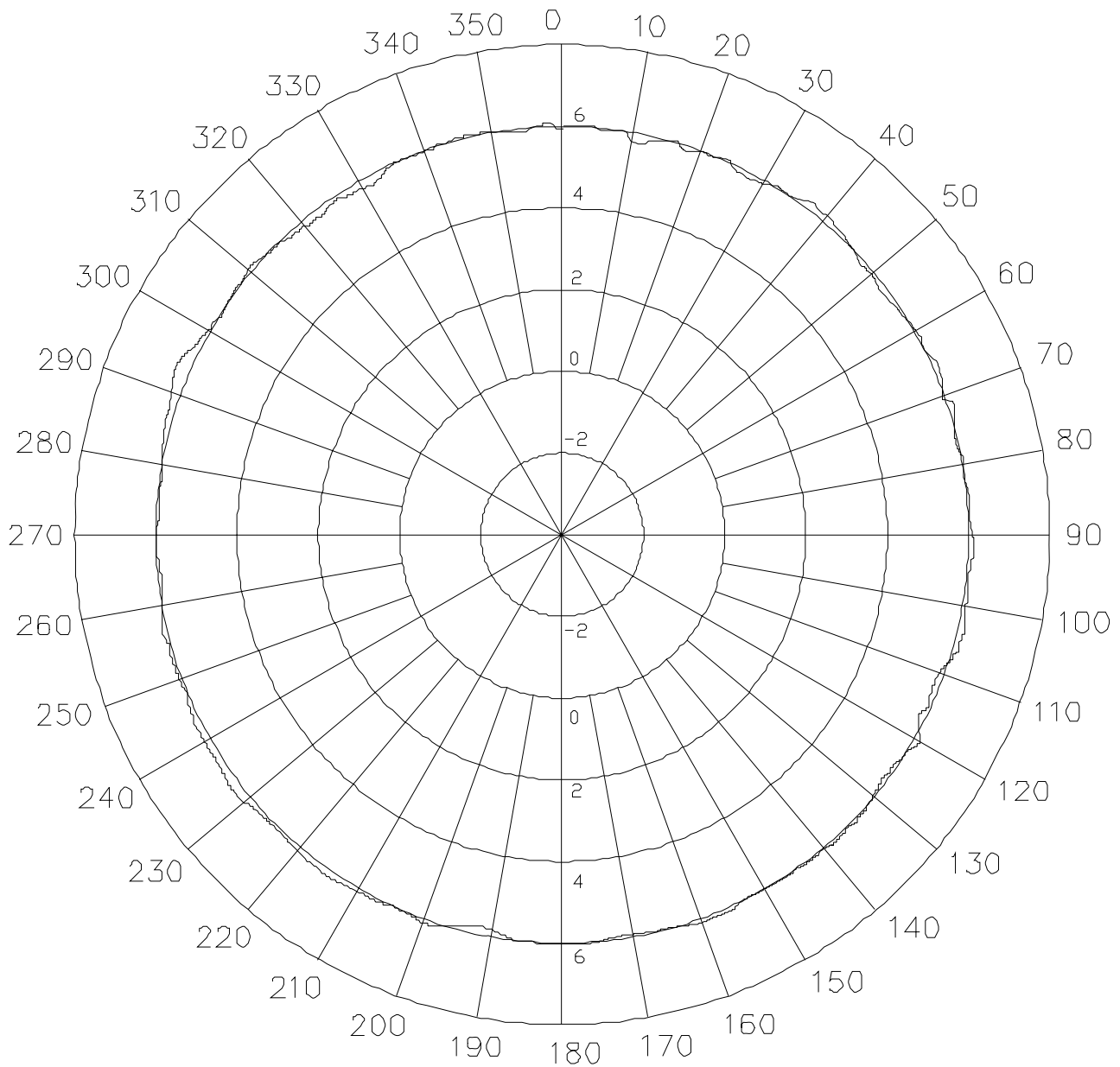
MARKER READOUT  
FUNCTIONS

# Omni Directional Antenna

for 802.11a/b/g Version 1

1GP-2458-3

## H-PLANE FIELD PATTERNS for 2.4G

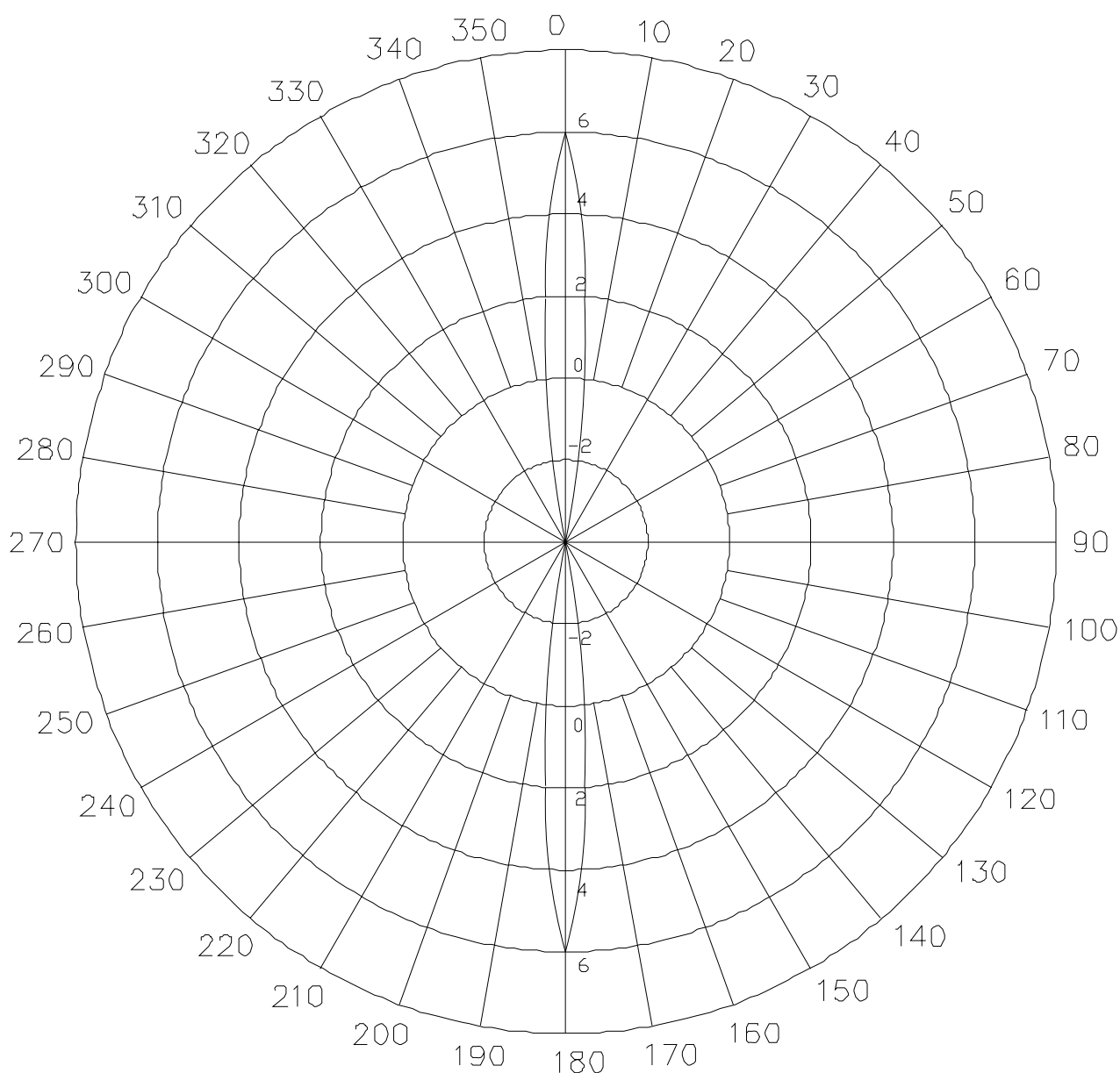


# Omni Directional Antenna

for 802.11a/b/g Version 1

1GP-2458-3

## E-PLANE FIELD PATTERNS for 2.4G

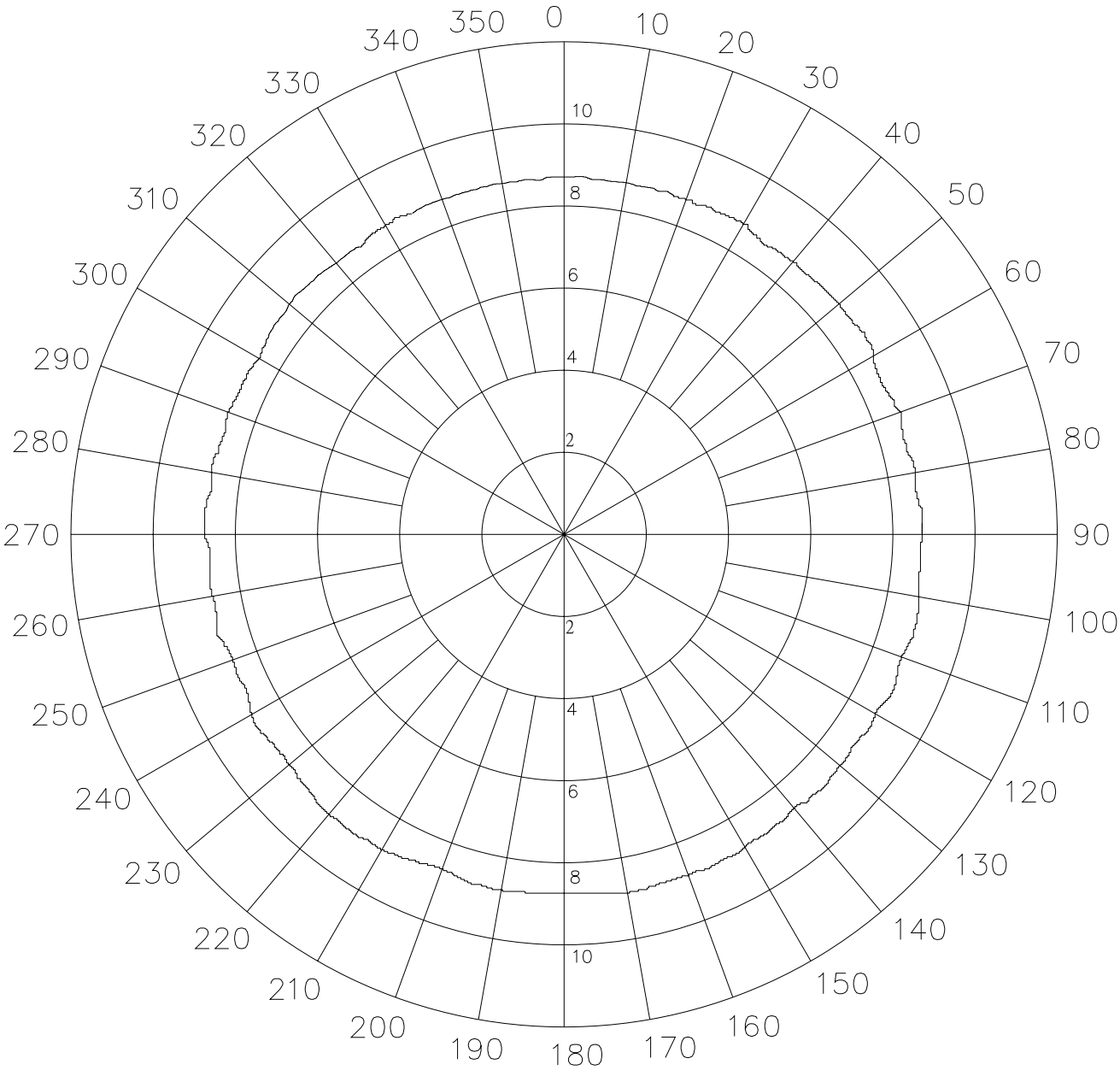


# Omni Directional Antenna

for 802.11a/b/g Version 1

1GP-24583

## H-PLANE FIELD PATTERNS for 5G

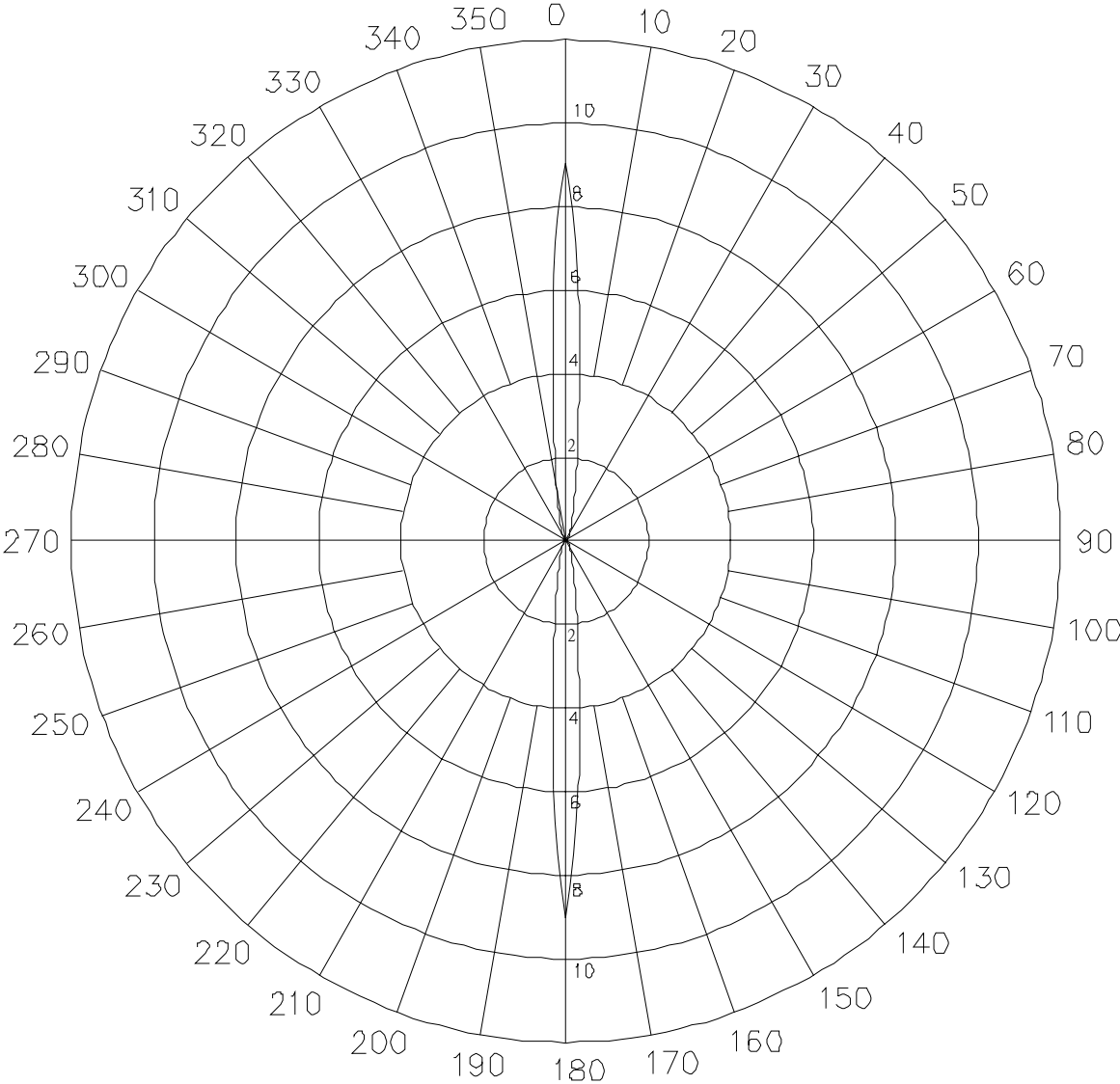


# Omni Directional Antenna

for 802.11a/b/g Version 1

1GP-24583

## E-PLANE FIELD PATTERNS for 5G



# Omni Directional Antenna

for 802.11a/b/g Version 1

1GP-2458-3

