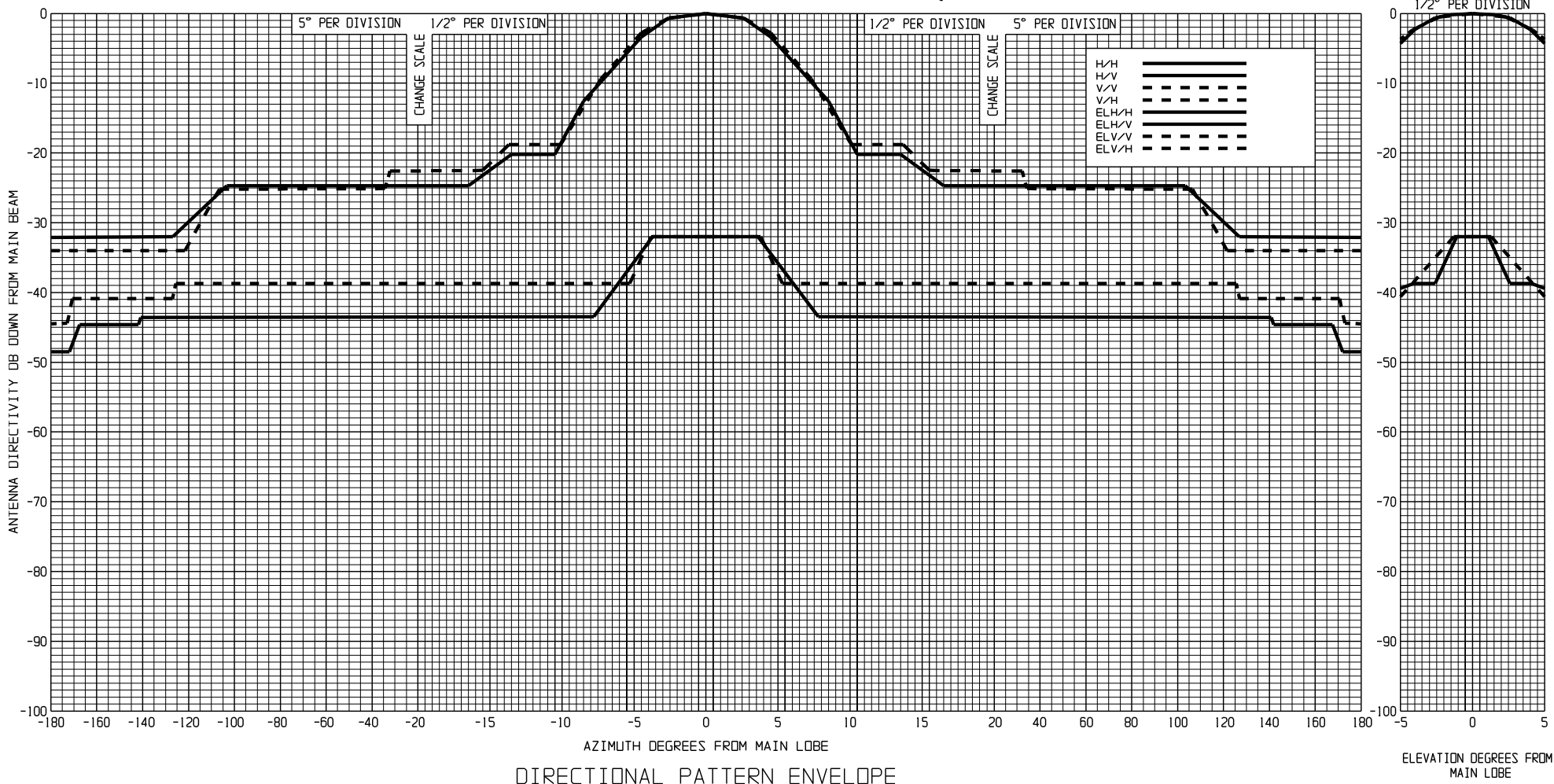




gabriel electronics
INCORPORATED

ID CODE: 24032	DIRECTIONAL PATTERN NO.: 4032
ANTENNA MODELS APPLICABLE: GHF4-1B	REV.
DESCRIPTION: 4FT.(1.2m) PARABOLIC GRID ANTENNA	
"GH" GRID SERIES	
PLANE POLARIZED	
UNPRESSURIZED	
APPROVED: JOHN MARCOUX	DATE: 11/1/89



DPE 4032 Antenna Model GHF4-18 MFG. ID #24032G
1.850-1.990 GHz
Table of Breakpoints

PATCUT:;AZ
POLARI:;H/H
NUPOIN:19
-179.9,-32.1
-126.9,-32
-103.3,-24.7
-16.5,-24.7
-13.5,-20.2
-10.5,-20.2
-8.5,-12.6
-4.5,-3.4
-2.6,-0.7
0,0
2.6,-0.7
4.5,-3.4
8.5,-12.6
10.5,-20.2
13.5,-20.2
16.5,-24.7
103.3,-24.7
126.9,-32
179.9,-32.1

PATCUT:AZ
POLARI:H/V
NUPOIN:15
-179.9,-48.5
-172,-48.5
-167.5,-44.6
-141.8,-44.6
-140.9,-43.6
-7.8,-43.5
-3.7,-32
0,-32
3.6,-32
7.8,-43.5
140.9,-43.6
141.8,-44.6
167.5,-44.6
172,-48.5
179.9,-48.5

PATCUT:AZ
POLARI:V/V
NUPOIN:23
-179.9,-34
-121.6,-34
-106.5,-25.2
-34.3,-25.1
-32.2,-22.6
-15.5,-22.5
-13.7,-18.8
-10.1,-18.8
-7.3,-9.4
-4.5,-2.8
-2.6,-0.7
0,0
2.6,-0.7
4.5,-2.8
7.3,-9.4
10.1,-18.8
13.7,-18.8
15.5,-22.5
32.2,-22.6
34.3,-25.1
106.5,-25.2
121.6,-34
179.9,-34

PATCUT:AZ
POLARI:V/H
NUPOIN:15
-179.9,-44.5
-172.9,-44.4
-170.6,-40.9
-127,-40.9
-125.6,-38.7
-5.3,-38.7
-3.8,-32
0,-32
3.8,-32
5.3,-38.7
125.6,-38.7
127,-40.9
170.6,-40.9
172.9,-44.4
179.9,-44.5

PATCUT:EL
POLARI:H/H
NUPOIN:9
-5,-4.3
-4,-2.3
-2.6,-0.6
-1.5,-0.2
0,0
1.5,-0.2
2.6,-0.6
4,-2.3
5,-4.3

PATCUT:EL
POLARI:H/V
NUPOIN:9
-5,-39.4
-4.1,-38.7
-2.6,-38.7
-1.1,-32
0,-32
1.1,-32
2.6,-38.7
4.1,-38.7
5,-39.4

PATCUT:EL
POLARI:V/V
NUPOIN:7
-5,-3.7
-4.2,-2.4
-2.3,-0.5
0,0
2.3,-0.5
4.2,-2.4
5,-3.7

PATCUT:EL
POLARI:V/H
NUPOIN:5
-5,-40.6
-1.3,-32
0,-32
1.3,-32
5,-40.6

The directional pattern envelope is drawn on the reverse side by connecting the above breakpoints with straight lines.

HH = Horizontal response to a horizontal signal
HV = Horizontal response to a Vertical signal
VV = Vertical response to a vertical signal
VH = Vertical response to a horizontal signal