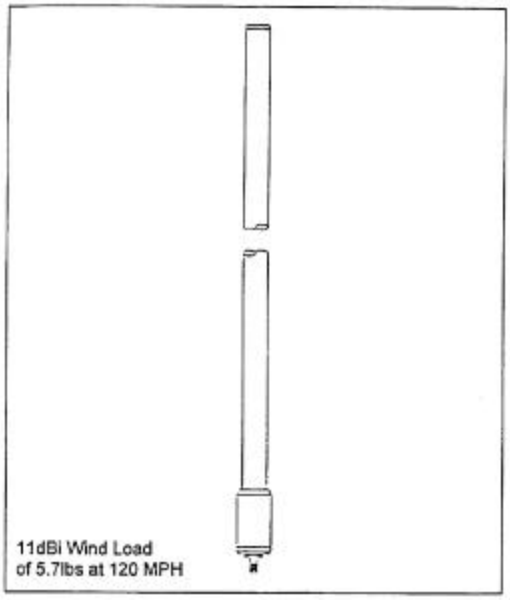
Hirschmann

Rheinmetall Elektronik



2.4 GHz ISM Band
Omni-directional Antennas

These lightweight but rugged antennas are excellent choices use in the low power ISM band. Offering exceptional value and service, The E-5030 family provides good gain characteristics, moderate cost, and superb coverage.

The E-5030 series offers the system operator a choice of gain to accommodate a variety of requirements and situations. Each is a collinear design fabricated from the latest of low loss microwave dielectric materials and pure copper radiating elements. Models are available with both N-male and -female connectors to allow for direct connection to system equipment, thus avoiding feed line losses.

The E-5030 Series has been designed to provide low side lobes, improving coverage on the horizon. Each model has been optimized for aperture efficiency, resulting in minimum length for its gain point.

Each antenna is in a sleek white UV resistant radome that blends well in many mounting locations.

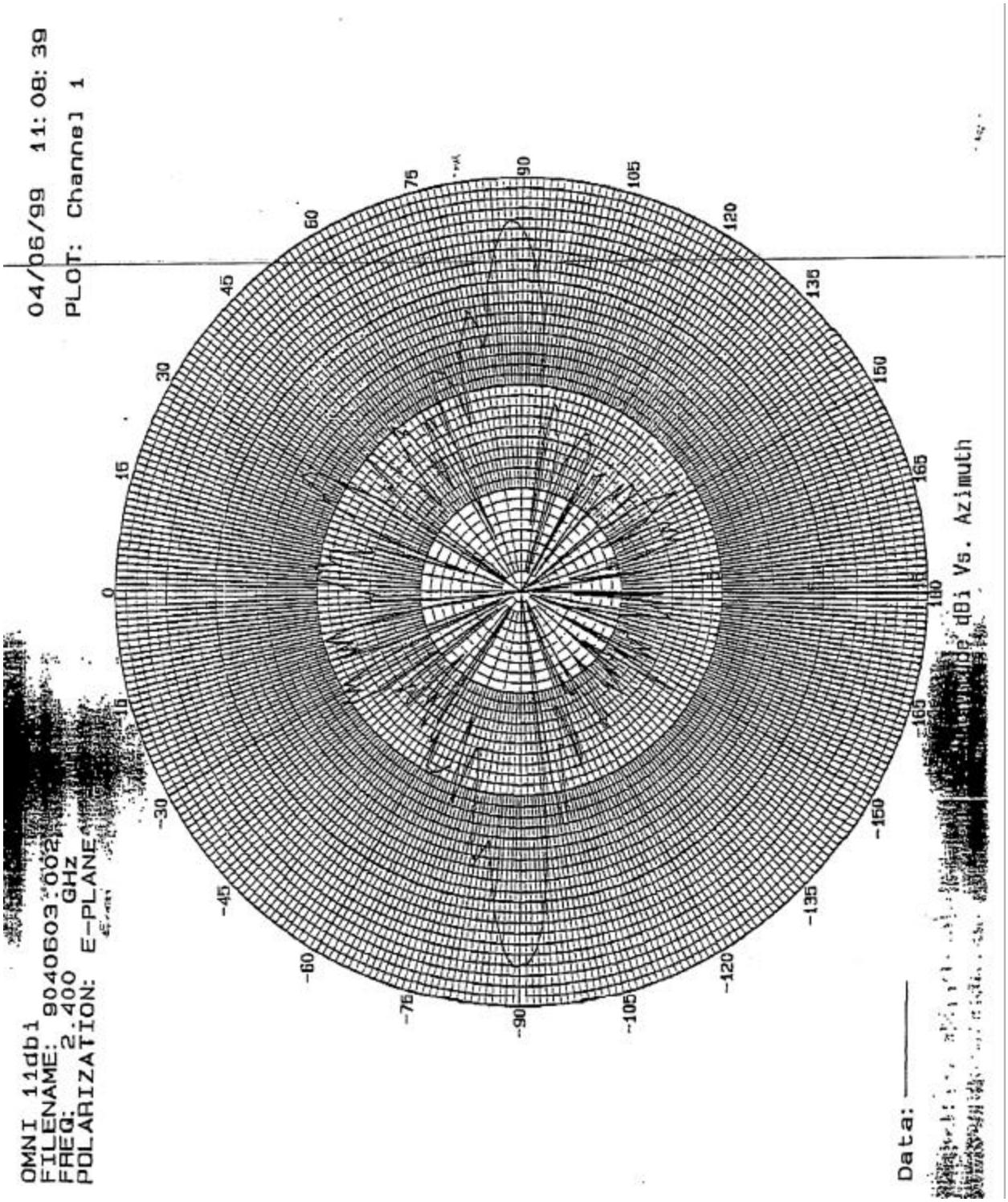
Other frequency ranges can be provided. Contact the factory for details.

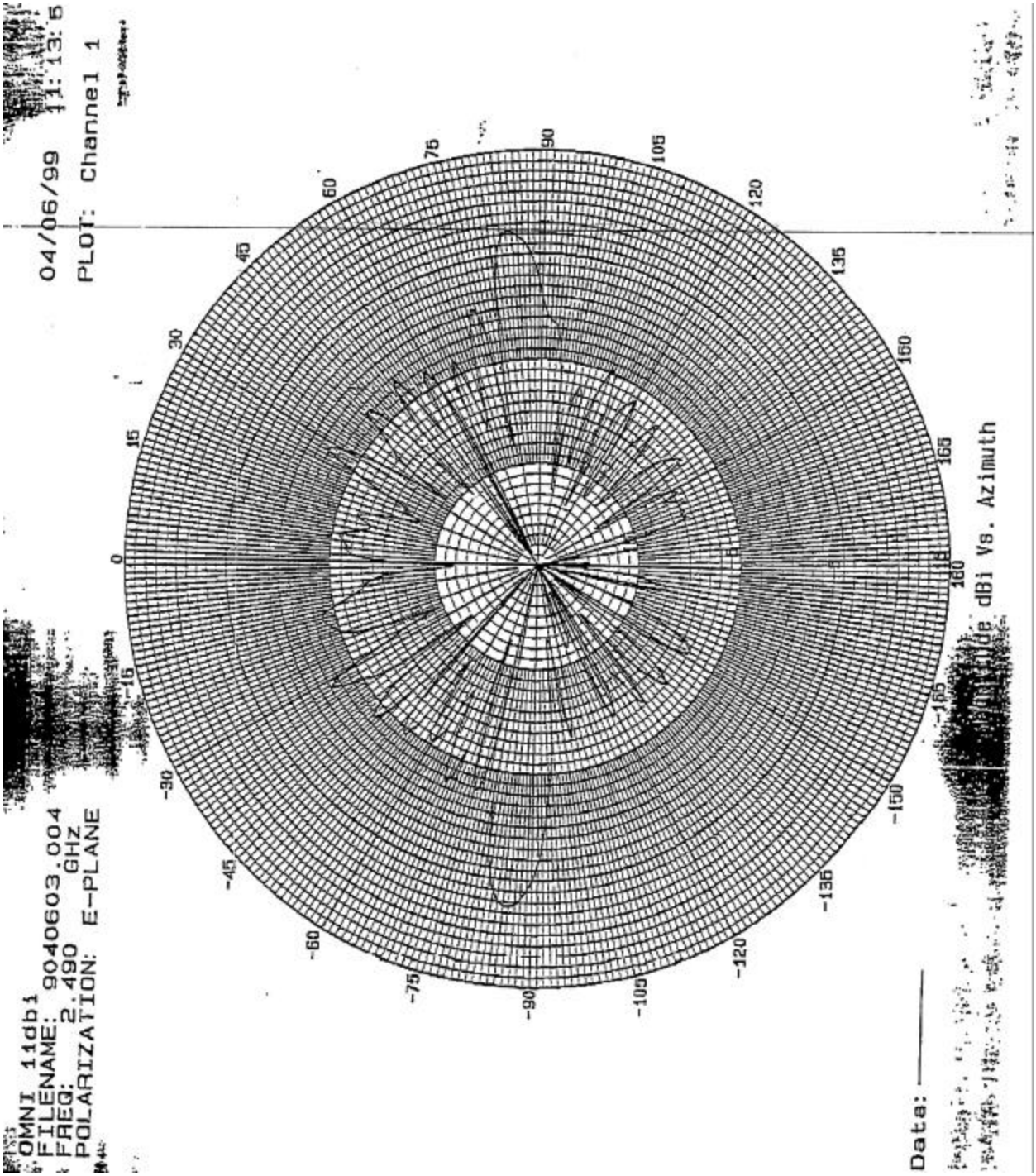
E-5030 Series			
2.4 GHz Omnidirectional Antennas			
Frequency:		2.4 - 2.5 GHz	
Polarization:		Vertical	
Pattern:		Omnidirectional	
Gain,	E-5030,1	6 dBi	13.0 in.
Length	E-5032	8 dBi	18.8 in.
	E-5033	11 dBi	37.0 in.
Connector:	E-5030	N-male	
	E-5031,2,3	N-female	
Power Handling:		100 Watts	
SWR		1.5:1	
Wind Rating (Sustained)		135 mph	

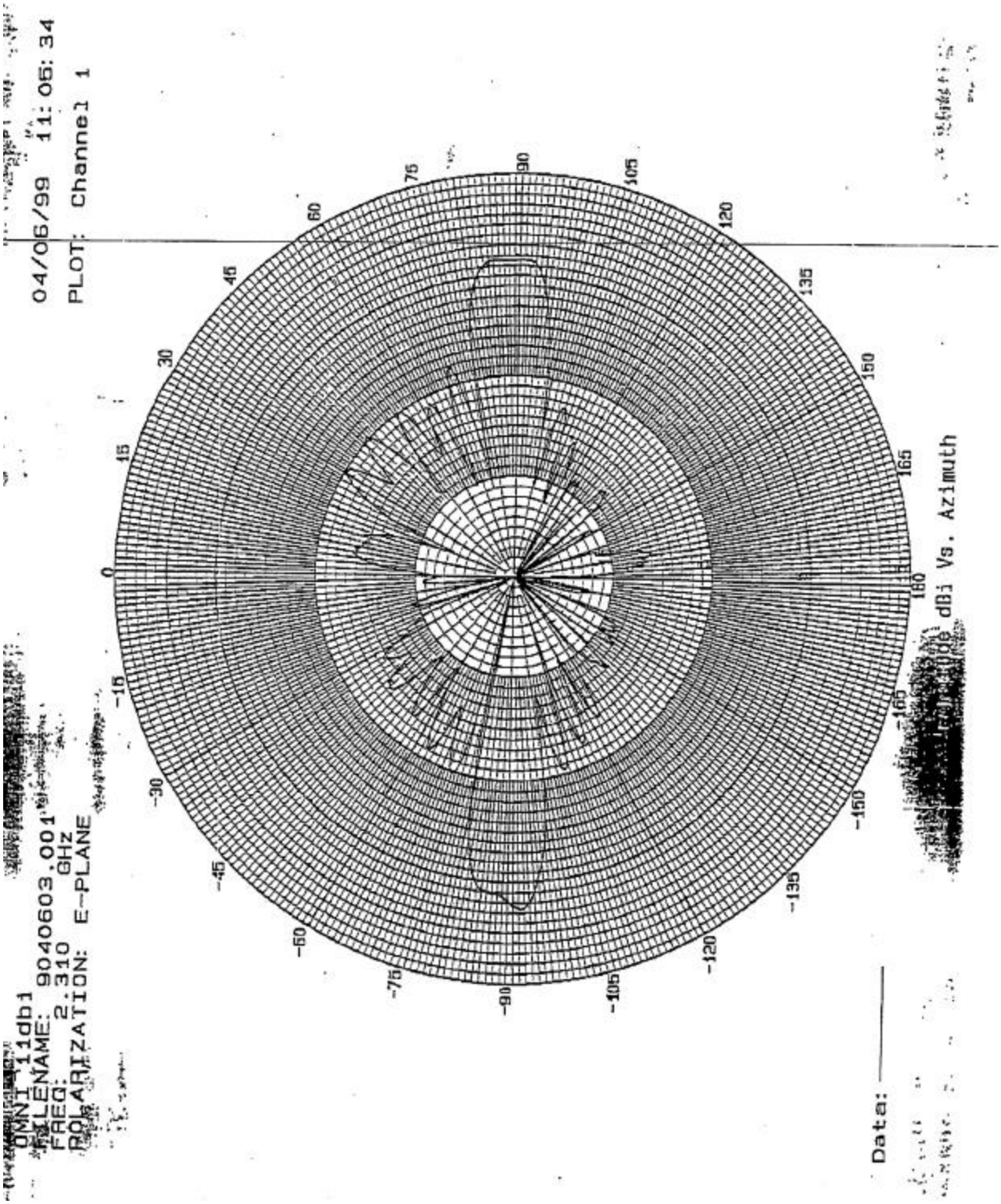
Richard Hirschmann of America, Inc.
30 Hook Mountain Road – P.O. Box 654
Pine Brook, New Jersey 07058 USA
(973) 830-2000 Fax: (973) 830-1470
E-mail: ant-sales@hirschmann-usa.com

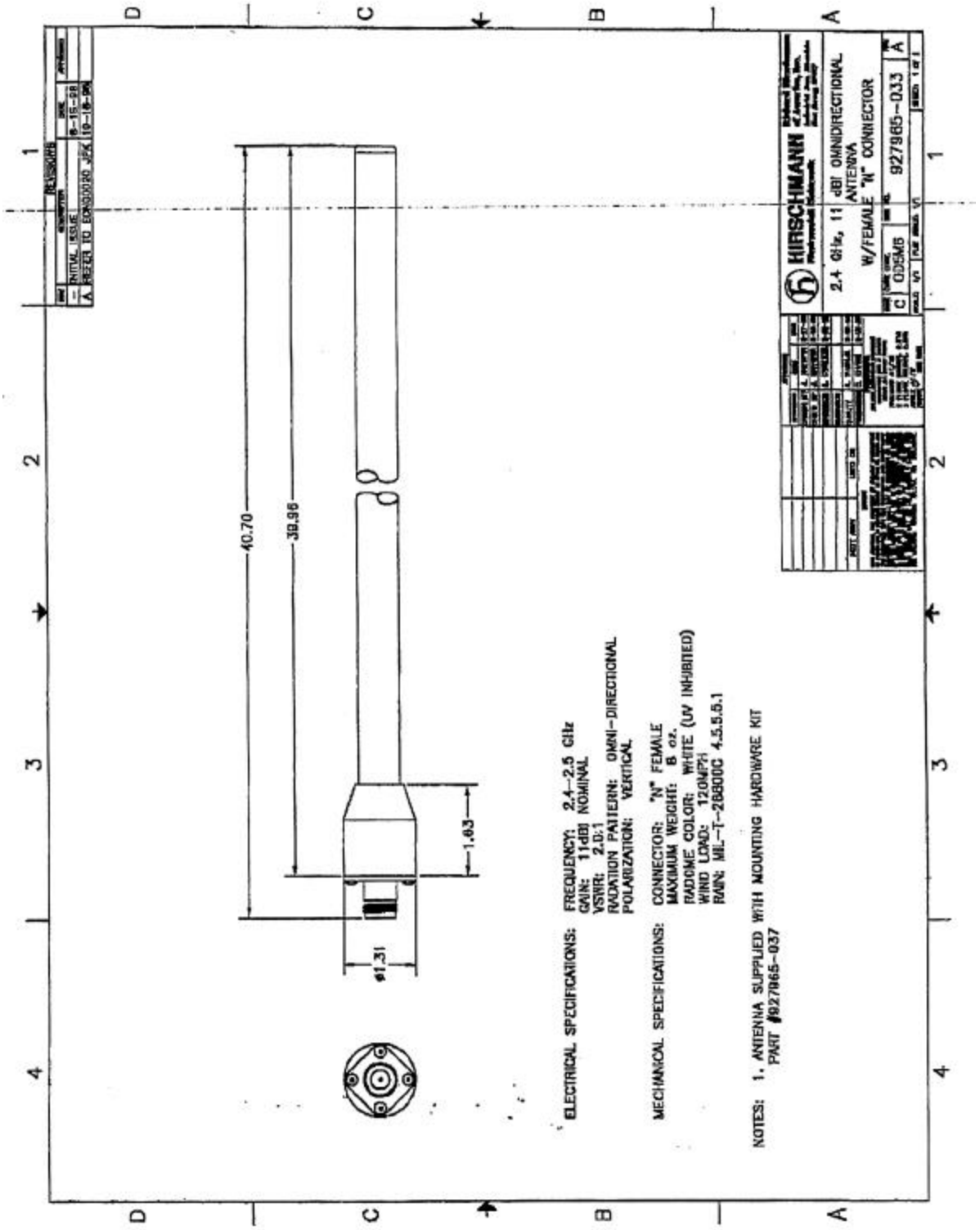
With over 60 years in the communications industry, Hirschmann leads the way with quality, innovation, and a dedication to the future

Ant Type	Gain	Resistor
E5033	11dBi	25.5KΩ


04/06/99 11:08:39
PLOT: Channel 1
OMNI 11dbi
FILENAME: 9040603.002
FREQ: 2.400 GHz
POLARIZATION: E-PLANE
dBi Vs. Azimuth
Data:


04/06/99 11:13:5
PLOT: Channel 1
OMNI 11dbi
FILENAME: 9040603.004
FREQ: 2.490 GHz
POLARIZATION: E-PLANE
Data:
dBi Vs. Azimuth


04/06/99 11:06:34
PLOT: Channel 1
OMNI 11dbi
FILENAME: 9040603.001
FREQ: 2.310 GHz
POLARIZATION: E-PLANE
dBi Vs. Azimuth
Data:

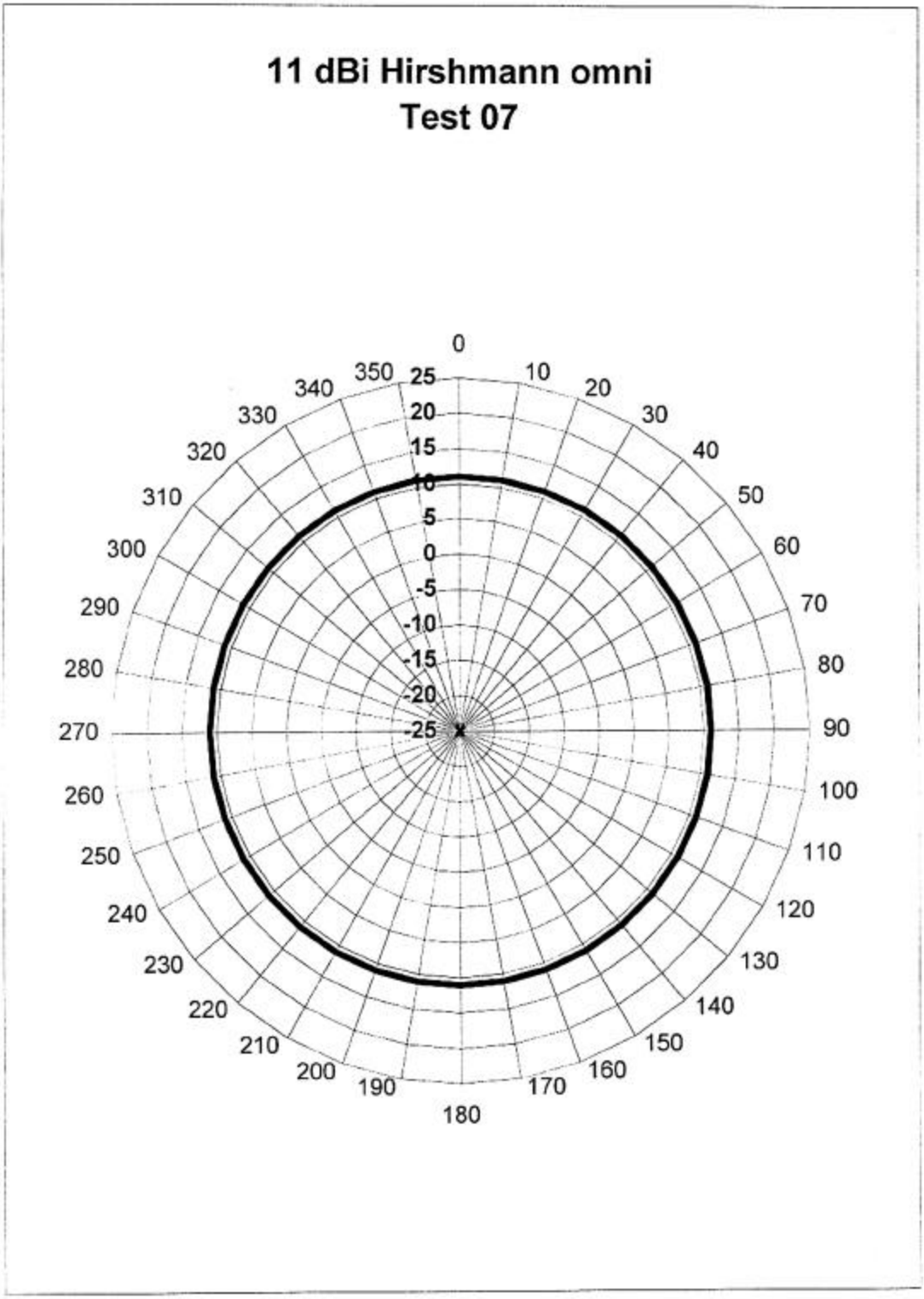

40.70
39.96
1.63
Ø1.31
ELECTRICAL SPECIFICATIONS:
FREQUENCY: 2.4–2.5 GHz
GAIN: 11dBi NOMINAL
VSWR: 2.0:1
RADIATION PATTERN: OMNI-DIRECTIONAL
POLARIZATION: VERTICAL
MECHANICAL SPECIFICATIONS:
CONNECTOR: "N" FEMALE
MAXIMUM WEIGHT: 8 oz.
RADOME COLOR: WHITE (UV INHIBITED)
WIND LOAD: 120MPH
RAIN: MIL-T-28800C 4.5.5.5.1
NOTES: 1. ANTENNA SUPPLIED WITH MOUNTING HARDWARE KIT PART #927965-037
HIRSCHMANN
2.4 GHz, 11 dBi OMNIDIRECTIONAL ANTENNA W/FEMALE "N" CONNECTOR
C
CDSMB
927965-033
A

One 11 dBi Hirshmann omni Antenna

From Vendors Charts

TEST 07

Degree	11 dBi Omni
0	11
10	11
20	11
30	11
40	11
50	11
60	11
70	11
80	11
90	11
100	11
110	11
120	11
130	11
140	11
150	11
160	11
170	11
180	11
190	11
200	11
210	11
220	11
230	11
240	11
250	11
260	11
270	11
280	11
290	11
300	11
310	11
320	11
330	11
340	11
350	11


11 dBi Hirshmann omni
Test 07
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
340
350
25
20
15
10
5
0
-5
-10
-15
-20
-25