

Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
DATE	DOCUMENT NAME	SUBMITTAL #	FCC ID	PAGE
12/20/99	Solctek Corporation SkyWay Wireless LAN Bridge Antenna Specifications	99-244	KA324WAN5	1

Archetech™ Series Antennas

1.7-5.8 GHz

ISM, PCS, DECT, DCS

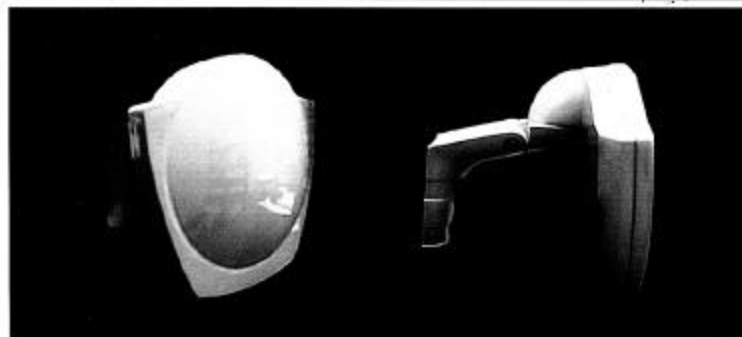
Fits in Anywhere



TECOM

TECOM INDUSTRIES, INC.
9324 Topanga Canyon Boulevard
Chatsworth, CA 91311-5795
PHONE: (818) 341-4010
FAX: (818) 718-1402
www.tecom-ind.com

Style With Substance



Classic, contemporary, business, residential... any setting that needs wireless access is a perfect fit for the Archetech Series Antennas. The sophisticated styling of the Archetech Series blends gracefully with both interior and exterior environments. A unique universal mount allows placement at any angle on any surface. The swivel mount provides a full range of movement for manual adjustment of the antenna with a cable tray to discretely conceal connector interfaces for optimum mechanical and electrical performance. The Archetech Series isn't just about aesthetics. It delivers the best gain for its size and exceeds WLL/PCS antenna environmental requirements offering the best performance you can buy, for all your applications.

PARAMETER	SPECIFICATIONS
FREQUENCY	1.7 - 5.8 GHz
TYPE NUMBERS	(ISM, PCS, DECT, DCS)
504107A	1.71-1.88 GHz (DCS)
504108A	1.85-1.99 GHz (PCS)
504045A	1.88 1.90 GHz (DECT)
505126A	2.4 - 2.5 GHz (ISM)
506046A	5.7 - 5.85 GHz (ISM)
POLARIZATION	CP or Linear
GAIN	7 - 12 dB gain
CONNECTOR	SMA or TNC
DIMENSIONS (LxWxH)	4.77" x 1.14" x 6.25"
INSTALLATION	Universal mount full range of movement: $\pm 30^\circ$ v, $\pm 90^\circ$ h
SENSE RESISTOR	52.3Kohm at 1% Tolerance

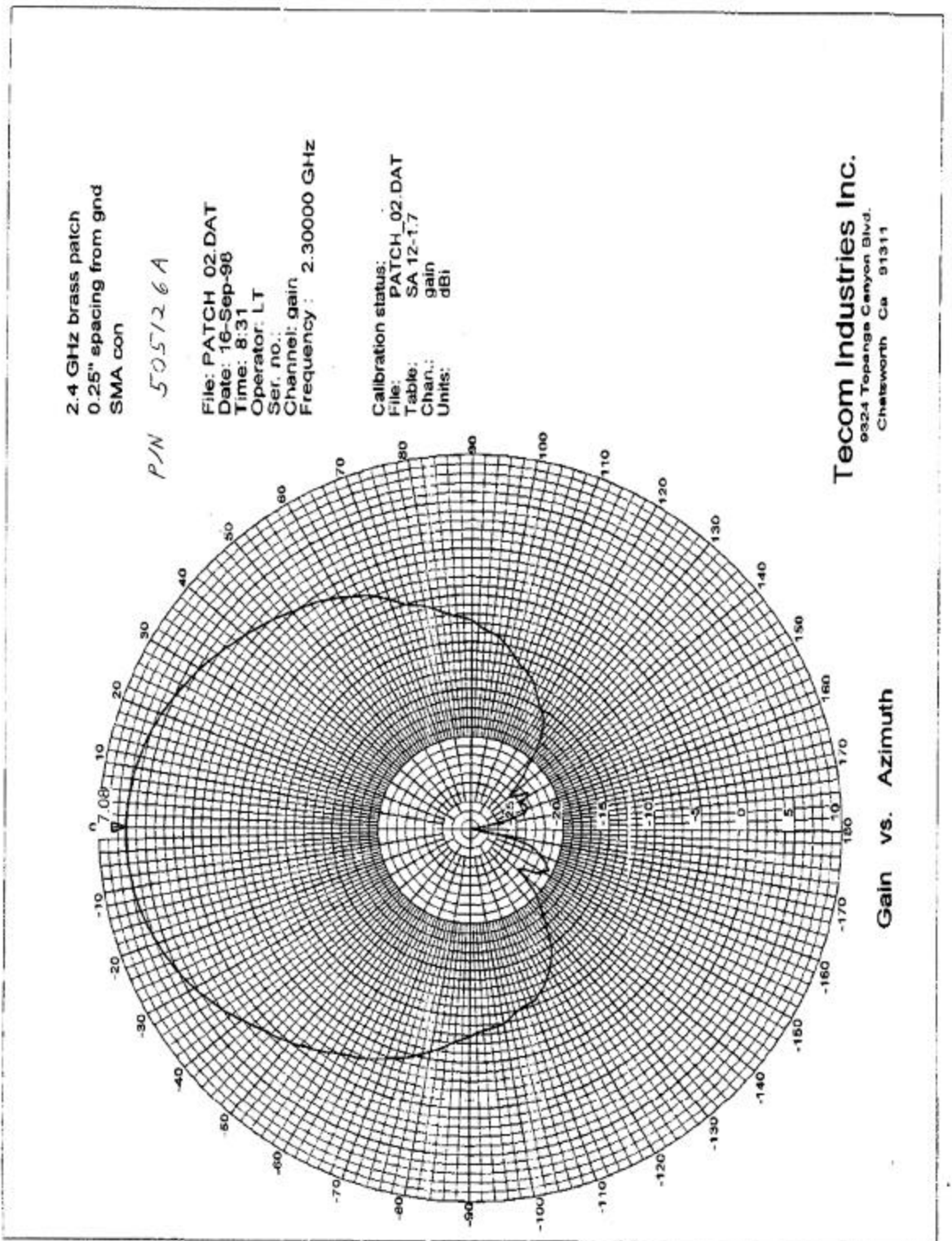
Visit Our Web Site At: www.tecom-ind.com

or contact your local Tecom Sales Representative for More information

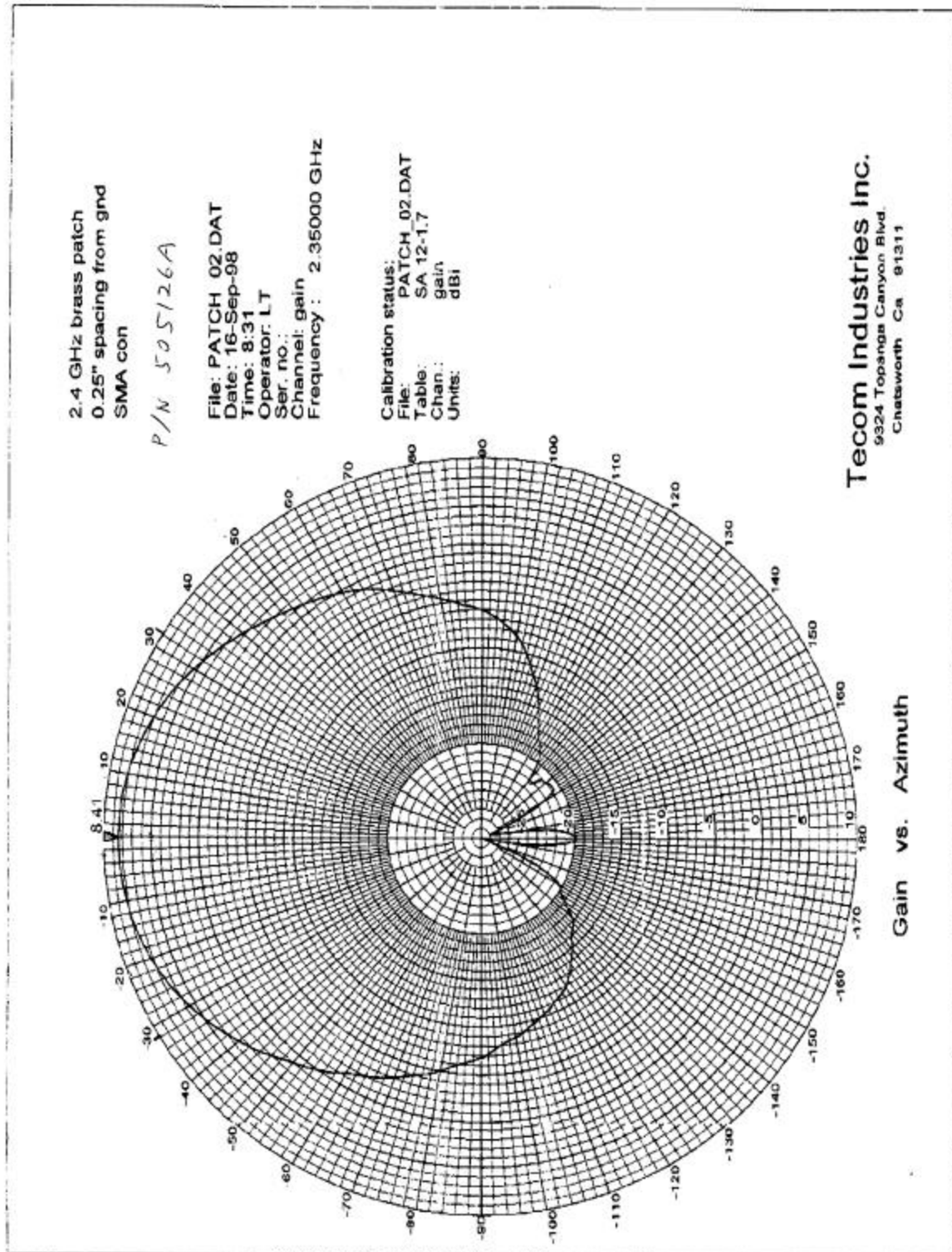
A **TRAK**com Company



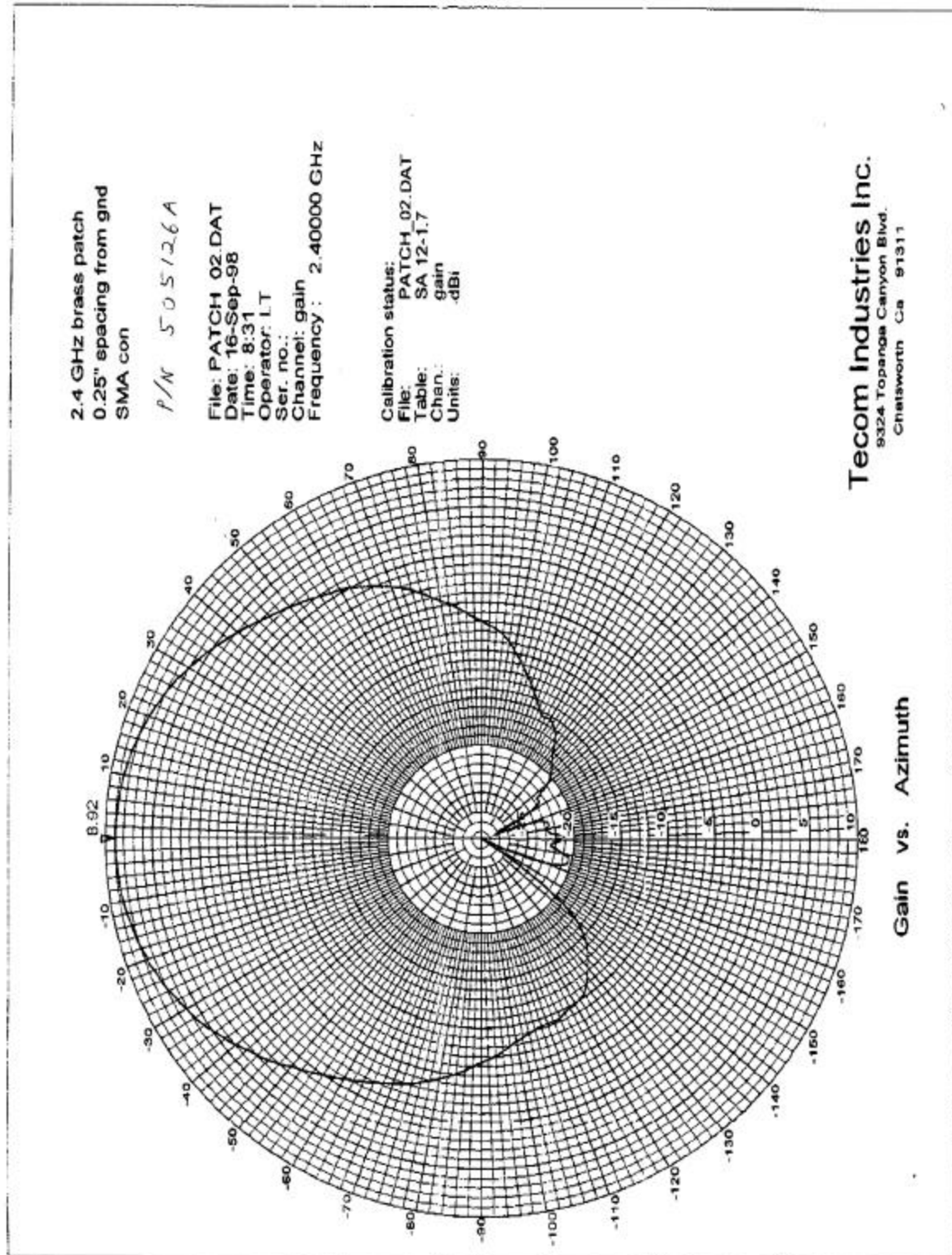
Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
DATE	DOCUMENT NAME	SUBMITTAL #	FCC ID	PAGE
12/20/99	Solectek Corporation SkyWay Wireless LAN Bridge Antenna Specifications	99-244	KA324WAN5	3



Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
DATE	DOCUMENT NAME	SUBMITTAL #	FCC ID	PAGE
12/20/99	Solctek Corporation SkyWay Wireless LAN Bridge Antenna Specifications	99-244	KA324WAN5	4



Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
DATE	DOCUMENT NAME	SUBMITTAL #	FCC ID	PAGE
12/20/99	Solectek Corporation SkyWay Wireless LAN Bridge Antenna Specifications	99-244	KA324WAN5	5



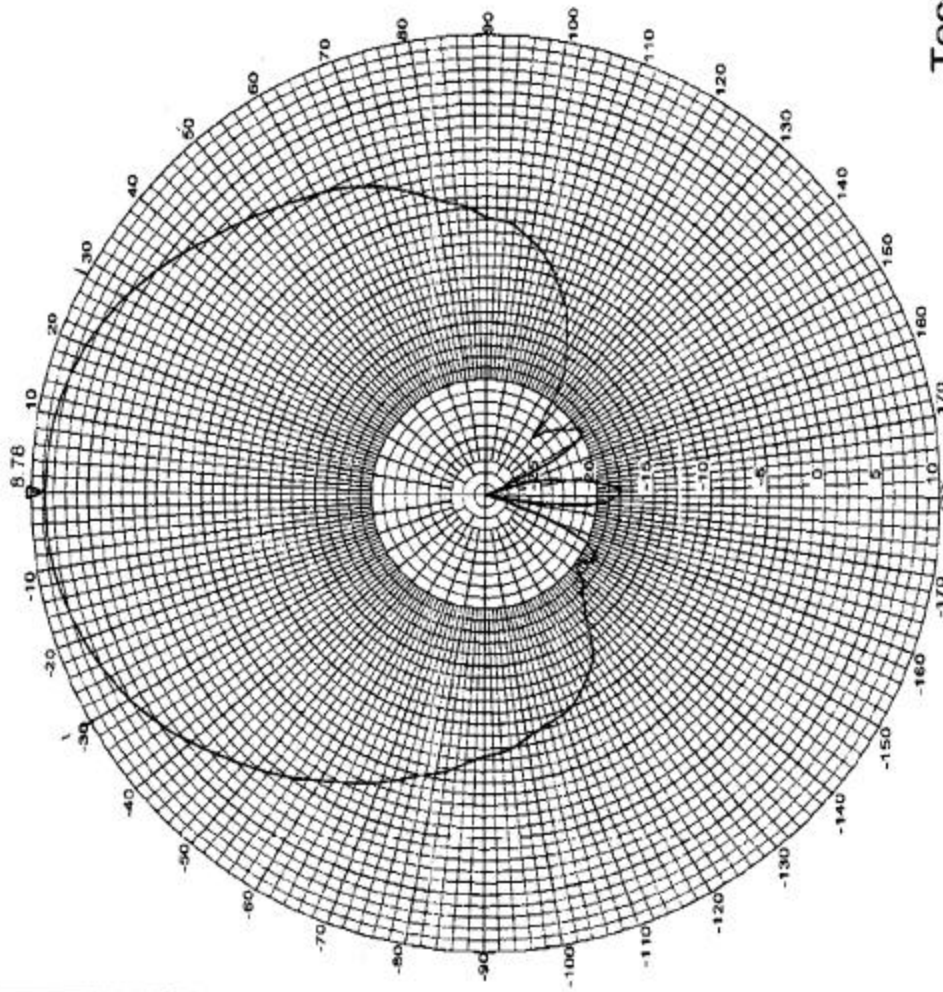
Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
DATE	DOCUMENT NAME	SUBMITTAL #	FCC ID	PAGE
12/20/99	Soltek Corporation SkyWay Wireless LAN Bridge Antenna Specifications	99-244	KA324WAN5	6

2.4 GHz brass patch
0.25" spacing from gnd
SMA con
P/N 505126A

File: PATCH_02.DAT
Date: 16-Sep-98
Time: 8:31
Operator: LT
Ser. no.:
Channel: gain
Frequency: 2.44000 GHz

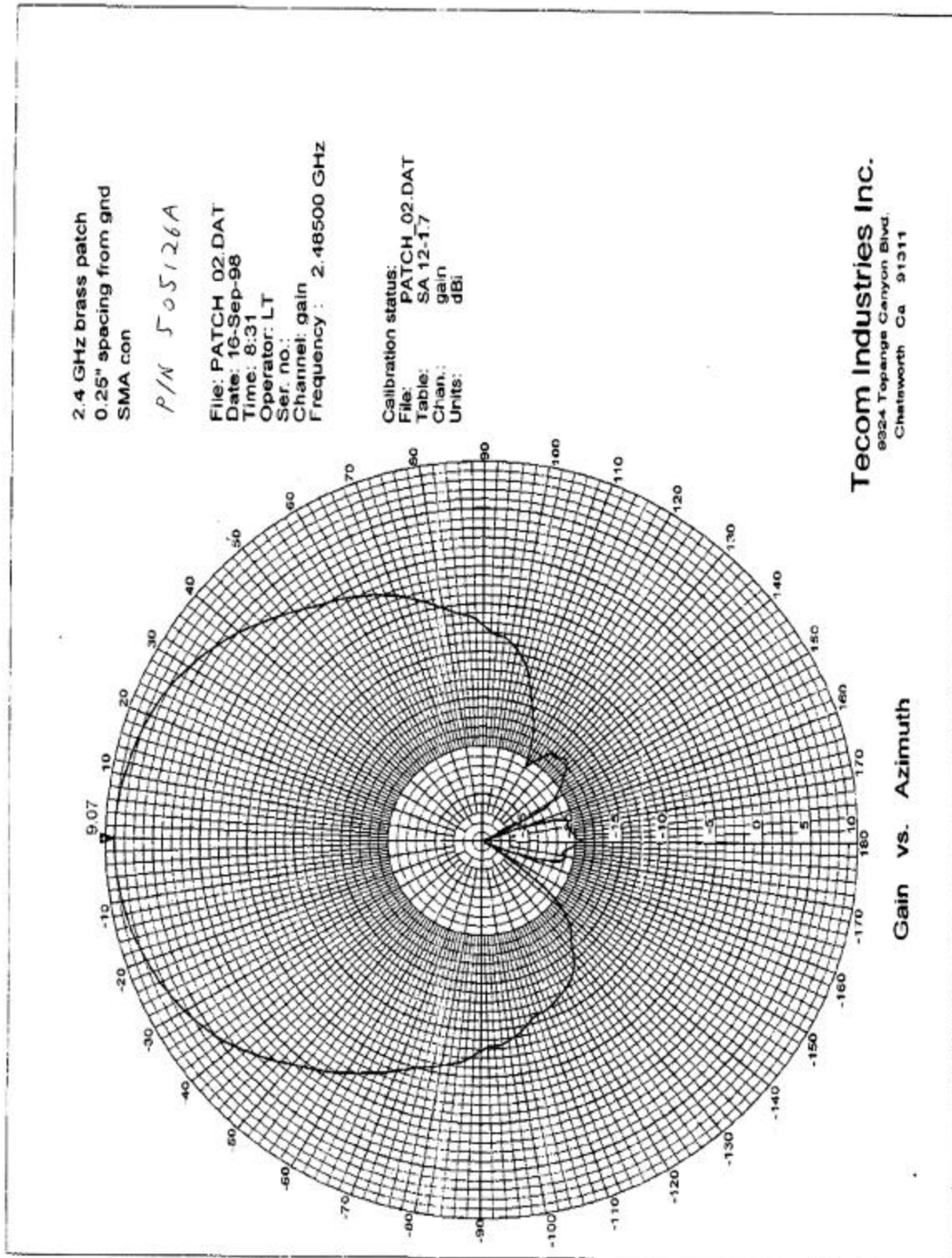
Calibration status:
File: PATCH_02.DAT
Table: SA 12-1.7
Chan.: gain
Units: dBi

Tecom Industries Inc.
9324 Topanga Canyon Blvd.
Chatsworth Ca 91311

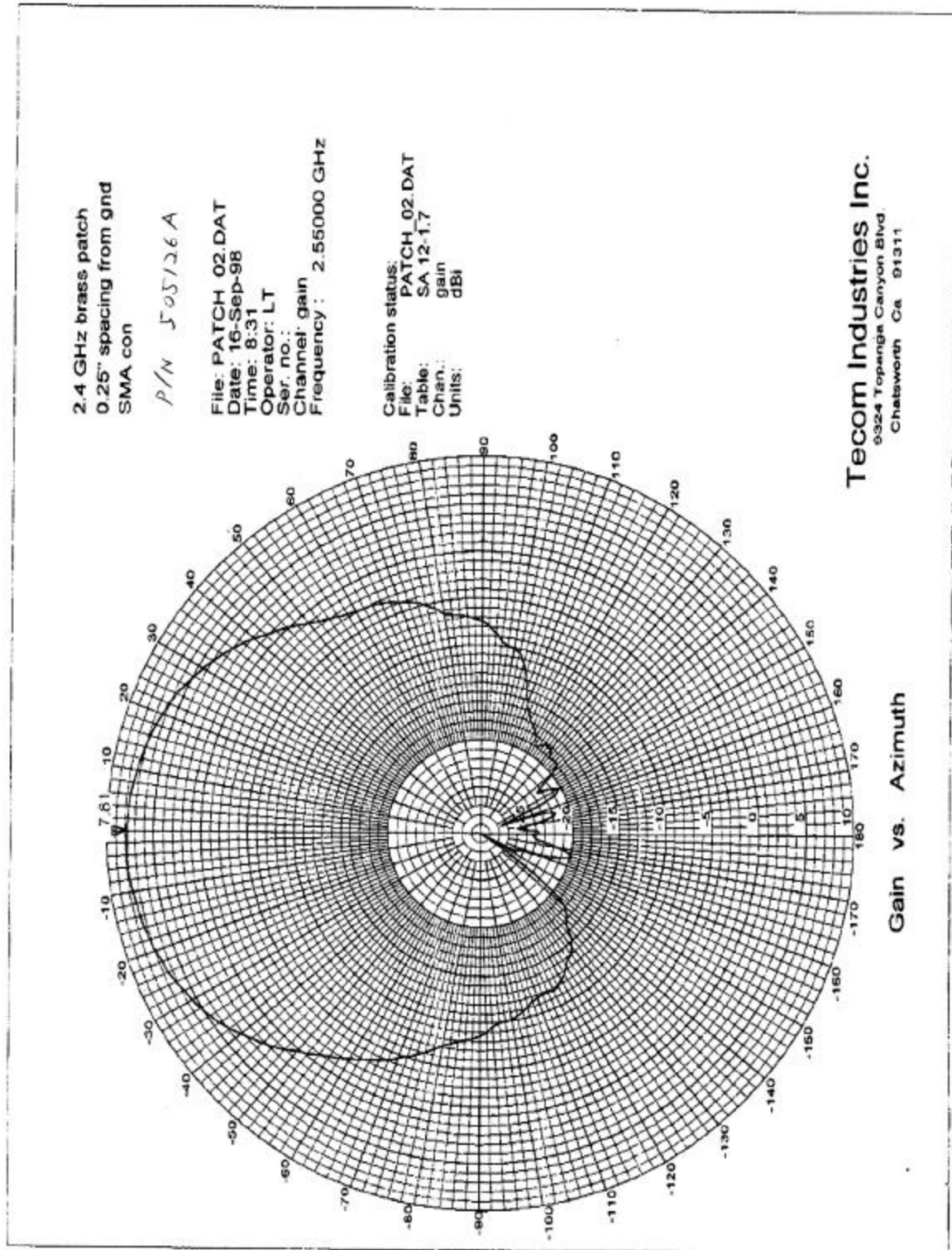


Gain vs. Azimuth

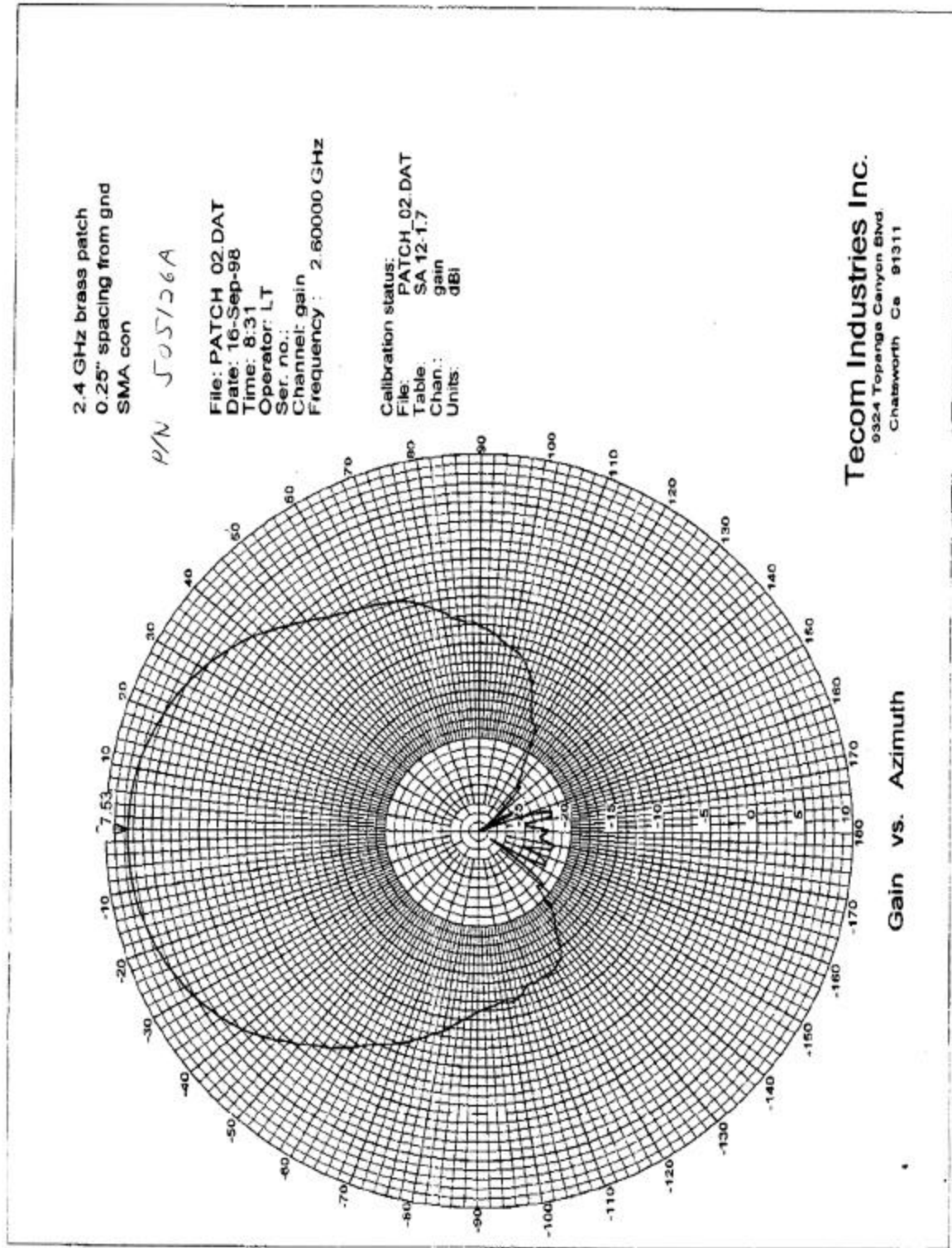
Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
DATE	DOCUMENT NAME	SUBMITTAL #	FCC ID	PAGE
12/20/99	Solectek Corporation SkyWay Wireless LAN Bridge Antenna Specifications	99-244	KA324WAN5	7



Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
DATE	DOCUMENT NAME	SUBMITTAL #	FCC ID	PAGE
12/20/99	Solectek Corporation SkyWay Wireless LAN Bridge Antenna Specifications	99-244	KA324WAN5	8



Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
DATE	DOCUMENT NAME	SUBMITTAL #	FCC ID	PAGE
12/20/99	Solectek Corporation SkyWay Wireless LAN Bridge Antenna Specifications	99-244	KA324WAN5	9



Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
DATE	DOCUMENT NAME	SUBMITTAL #	FCC ID	PAGE
12/20/99	Solectek Corporation SkyWay Wireless LAN Bridge Antenna Specifications	99-244	KA324WAN5	10

One 8.8 dBi Tecom

From Vendors Charts

<u>Degree</u>	<u>8.8 dBi Tecom</u>	<u>TEST 0a</u>
0	8.8	
10	8.4	
20	7.5	
30	5.7	
40	3.6	
50	1.7	
60	0.1	
70	-1.4	
80	-3.9	
90	-5.9	
100	-7.4	
110	-10.8	
120	-15.7	
130	-23.5	
140	-21.2	
150	-20.5	
160	-27.5	
170	-22	
180	-18.3	
190	-26	
200	-23.1	
210	-18.7	
220	-18.9	
230	-16	
240	-11.7	
250	-9.7	
260	-8.6	
270	-7.2	
280	-5.5	
290	-3.5	
300	-1.3	
310	1.1	
320	3.6	
330	6	
340	7.6	
350	8.5	

Nemko EESI, Inc.		11696 Sorrento Valley Road, Suite. F, San Diego, CA 92121 Phone (858) 793-9911 Fax (858) 259-7170		
DATE	DOCUMENT NAME	SUBMITTAL #	FCC ID	PAGE
12/20/99	Soltek Corporation SkyWay Wireless LAN Bridge Antenna Specifications	99-244	KA324WAN5	11

8.8 dBi Tecom **Test 0a**

