

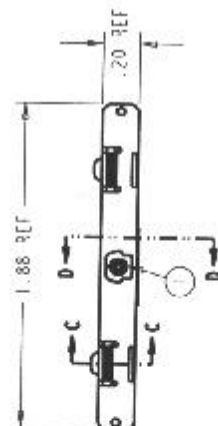
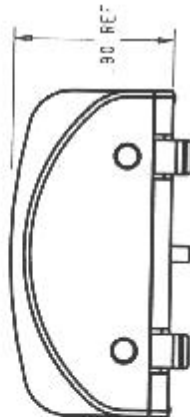
Model RM181 Antenna List

Antenna	Gain
Tab Antenna	0 dBi
Patch Antenna	4.5 dBi
Small Dipole Antenna	1 dBi
Special Shape Dipole	1.5 dBi
Large Dipole	2 dBi
Omni-directional Antenna	4 dBi

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REVISION

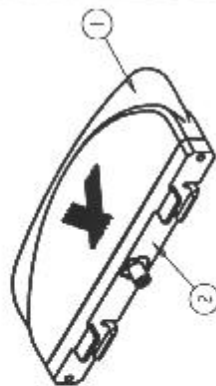
LTR	ECO	DATE	BY	APPR
01	-	8/15/96	RELEASE TO BETA	TLC



SECTION C-C



SECTION D-D



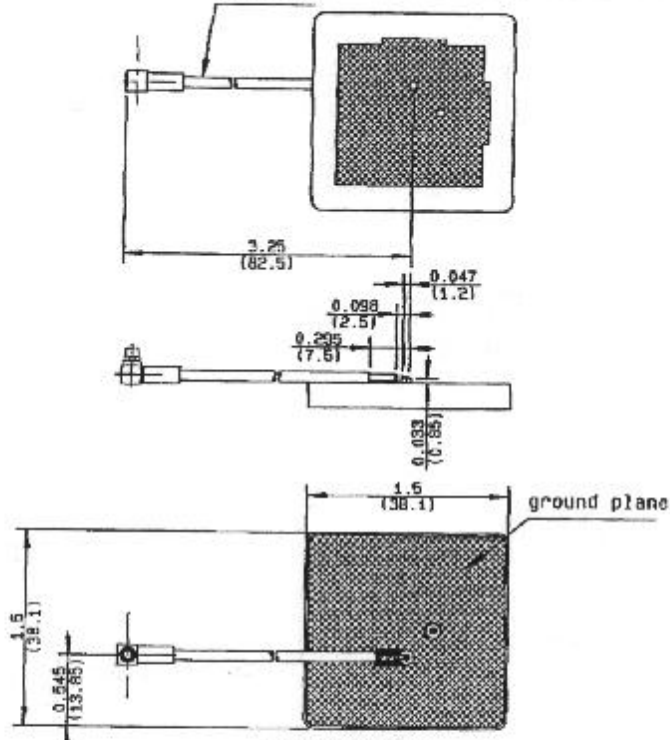
ITEM DESCRIPTION	PROXIM PN
1 BOOT, STUB ANTENNA	8225.0061
2 CLIP, STUB ANTENNA	8225.0060
3 PCA, STUB ANTENNA	8400.0134

3 DIMENSIONS IN INCHES	DRAWN T. CASAREZ 7/21/95
1/16 INCHES	DESIGN T. CASAREZ 7/21/95
1/32 INCHES	MATERIAL
1/64 INCHES	SEE BOM
1/128 INCHES	FINISH
1/256 INCHES	CHECK ALL SHARP EDGES
1/512 INCHES	1/16 INCHES
1/1024 INCHES	1/32 INCHES
1/2048 INCHES	1/64 INCHES
1/4096 INCHES	1/128 INCHES
1/8192 INCHES	1/256 INCHES
1/16384 INCHES	1/512 INCHES
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MICROPATCH ANTENNA 38mmx 38mm

2.4 GHz

cable RG178



SPECIFICATION

Center frequency:	2480 MHz
Frequency bandwidth:	100 MHz
Nominal Impedance:	50 Ω
VSWR:	2:1 Max
Gain:	4.5 dB Min @ Zenith
3 dB Beamwidth:	85 degree
Front to Back ratio:	14 dB Min
Polarisation	Vertical
Ceramic characteristics:	Porosity:0
	Permittivity:6
	Loss factor:0.002 Max
Connector type:	MMCX Right Angle Plug

Initiated on 30-09-98

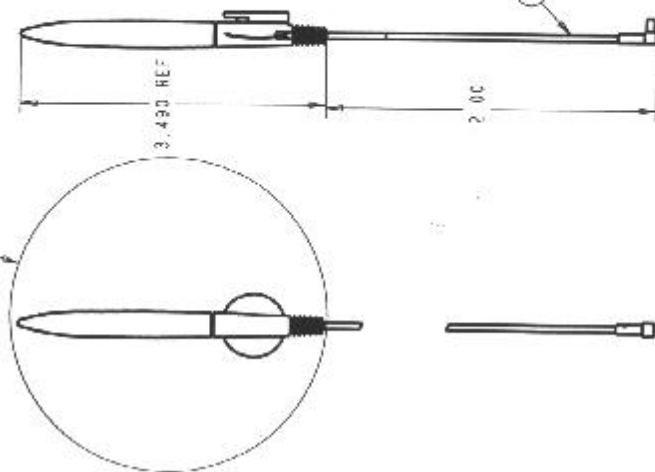
The information given here is subject to change without notice. Design changes may be in order to improve the product.

Approval by BROCHETON



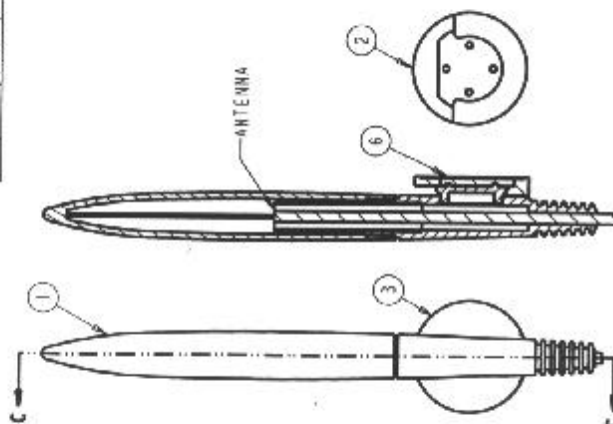
CONSTANTIN B

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DETAIL A
SCALE 1:1

SECTION C-C
SCALE 1:1



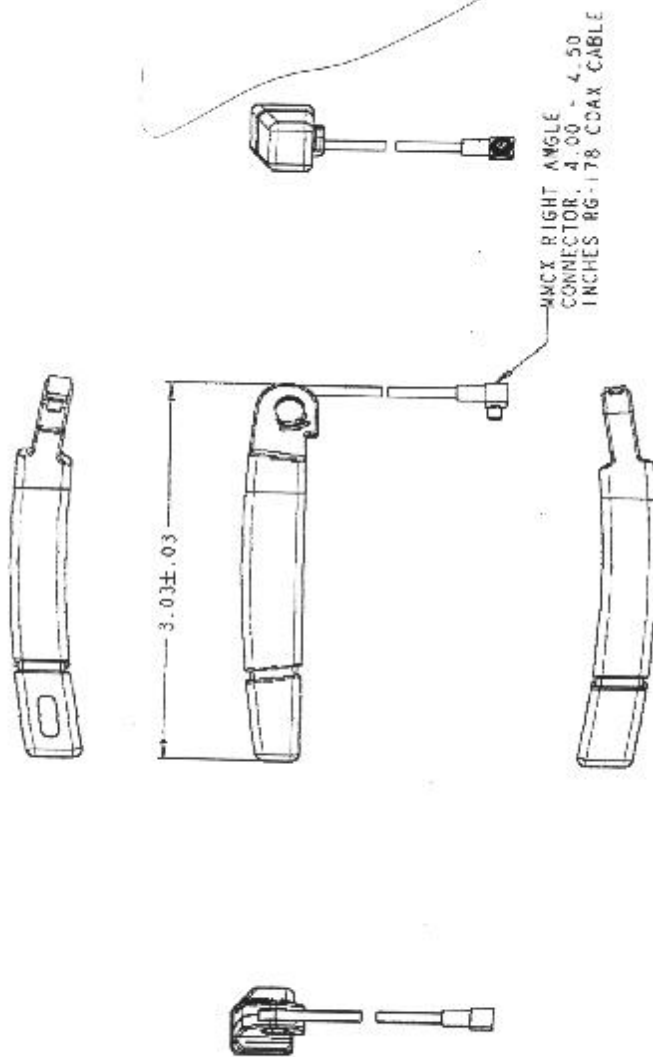
ITEM DESCRIPTION	PROXIM PN
1 ANTENNA BOOT, BLACK	8225.0066
2 MOUNTING PLATE, BLACK	8225.0068
3 ANTENNA BASE W/DOMETAIL, BLACK	8225.0069
4 CABLE COAX K TYPE, BLACK	6000.004
5 RF CONNECTOR, NMCK RT ANGLE	2128.0074
6 DOUBLE COATED NEOPRENE 3MM4962	NA
Ø 625 X .030 THN	

NOTES:

1. POWER RATING 10 WATTS
2. FREQUENCY RANGE 2.4-2.5 GHz
3. VSWR 1.5:1 MAX AT RESONANCE
4. IMPEDANCE 50 Ω NOMINAL
5. OPERATING TEMPERATURE -40 TO 85°C
6. PEAK GAIN 1.0 dBi
7. CONNECTOR TO BE ASSEMBLED AS SHOWN. CENTER PIN FACES THE BACK.

DESIGNED BY T. CASARET 7/21/95	DESIGNED BY T. CASARET 7/21/95
DRAWN BY T. CASARET 7/21/95	DRAWN BY T. CASARET 7/21/95
CHECKED BY T. CASARET 7/21/95	CHECKED BY T. CASARET 7/21/95
TITLE ANTENNA, TETHERED, 2.4 GHz RANGELAN2 PCMCIA I PC	
SHEET NO. 1900.0020	
SCALE	FILE NAME
SHEET 1 OF 1	





NOTES:
1. SPECIFICATIONS:
FREQ. RANGE: 2.4 - 2.5 GHz
GAIN: +1.5 dBi PEAK
NOMINAL IMPEDANCE: 50 OHMS
VSWR: LESS THAN 1.5:1 ACROSS FREQ. RANGE
POWER RATING: 1 WATT MAXIMUM
OPERATING TEMP.: -40°C TO 65°C

All Dimensions Are In Inches

REV	REVISIONS	DATE	CR	APP	SCALE	1.0:1	EQ	UNLESS NOTED
X1	CONCEPT	03/98						AX
X2	CABLE LEN	03/98						AX
X3	ASSY	03/98						AX
X4	1-PC PIVOT	11/98						AX

CENTURION INT. INC.
ANTENNA, RAPTOR

MATERIAL: HA
DATE: 03/19/98
DNG. NO.: PROT 1606
PG. 1/2
REV X3

CONFIDENTIAL
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5.0 Antenna Specifications:

Manufacturer: NCC, Inc.

Model Number: N2400ESMA1B

Description: Ruggedized, elevated 2.4 GHz, 1/2 wave portable antenna with reverse SMA style connector. Flexible black vinyl molded body and cap, tuned and tested.

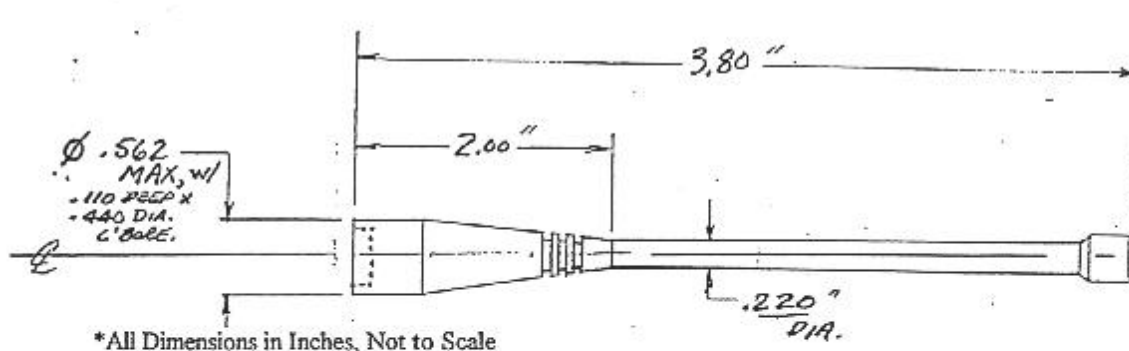
Antenna Type: Flexible Whip.

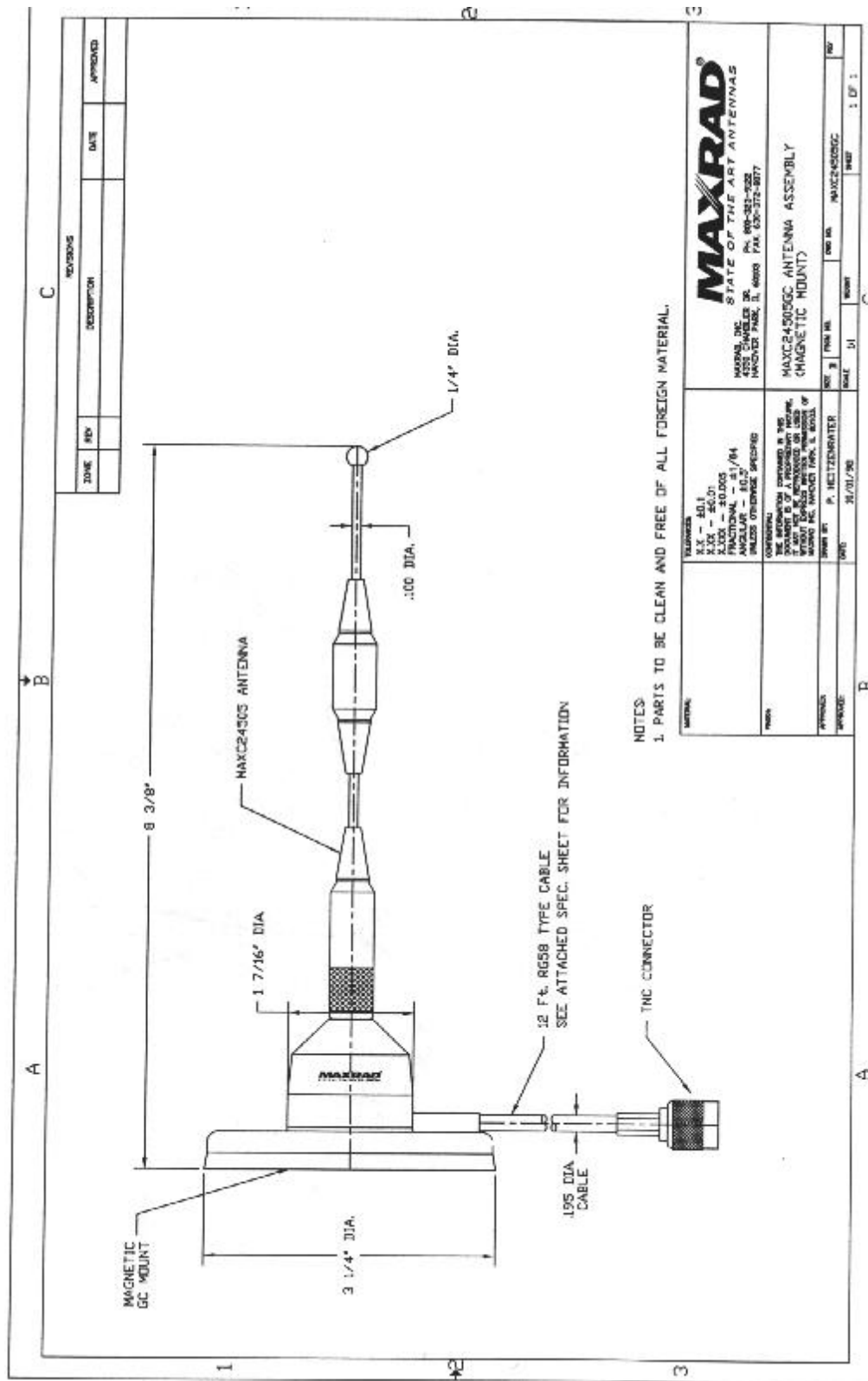
Frequency Ranges: 2.4 - 2.5 GHz

Gain: 2.0 dbi

Component Specifications:

- a) Mount: Reverse polarity SMA connector, with white dielectric.
- b) Radiator: RG - 178 / U 50 OHM Coaxial Cable
- c) Overmold: Black 80A durometer flexible vinyl body, molded over radiator and mount, cap adhesive bonded to body.





NOTES:
1. PARTS TO BE CLEAN AND FREE OF ALL FOREIGN MATERIAL.

REVISIONS DATE: 3/1/90 BY: P. HETZELMAYER APPROVED: P. HETZELMAYER	MAXRAD[®] STATE OF THE ART ANTENNAS MAXRAD, INC. 4350 CHAMBERLAIN DR. HANOVER PARK, IL 60089 PH: 800-323-9028 FAX: 630-372-8877	MAXC240050C ANTENNA ASSEMBLY (MAGNETIC MOUNT) DATE: 3/1/90 BY: P. HETZELMAYER APPROVED: P. HETZELMAYER 1 OF 1
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