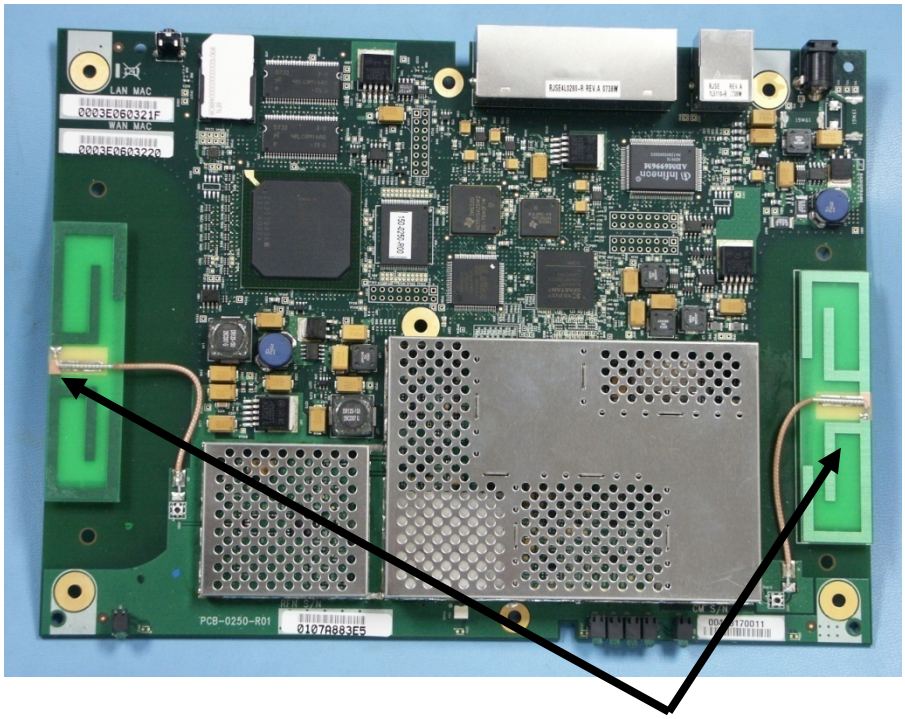
Antenna Information

The OmniCell @Home has 2 permanently installed internal patch antennas. One antenna is dedicated to transmit and the other to receive functions. The use of a permanently attached antenna to the intentional radiator shall be considered sufficient to comply with the provisions of 15.203.
This device is not a Part15.247 transmitter.



Omnicell@Home™ PCA top side view. The Laird Patch Antennas are attached to the PCA on the left and right sides.

The antenna manufacturer is Laird Technologies, PN: MAF 95095. The MAF95095 is a patch antenna design with 1.0dBi gain. The antenna data sheet is included.

Specifications

Revie and Revie Pro

Internal Wireless Device – Multi-band Antenna

MAF95095
ANTENNA, PCB, MULTI-BAND,
GSM880-960MHZ, DCS, PCS,
RG-178 STRIPPED COAX CABLE,
NO CONN, LEAD FREE

Model Number:
AAF95003
AAF95004
AAF95035
MAF95004

Specifications:

- Designed for hand-held data devices or access points
- Ground plane independent designs minimizes engineering resources
- Compliments GSM module offerings
- Various cable/connector options offer flexibility

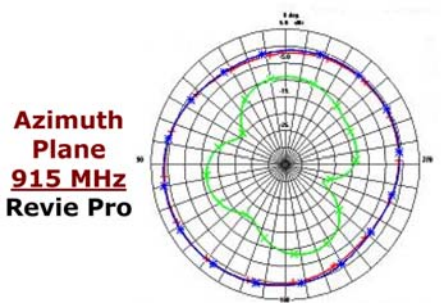
Element Type	*Printed Half-Wave Dipole
Frequency Range	**ISM** 868 MHz **GSM** 880-960 MHz **DCS** 1710-1880 MHz **PCS** 1850-1990 MHz
Polarization	Linear[1]
Peak Gain	1.0 dBi
Impedance	50 ohms
Input Power (Max)	10 Watts
VSWR	<2.5:1
Dimensions (L x W x T)	80 x 30 x 1.5 mm

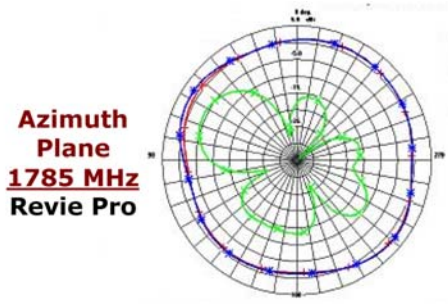
* Patent Pending
[1] Contains both vertical and horizontal components the ratio of which varies with the spatial location.

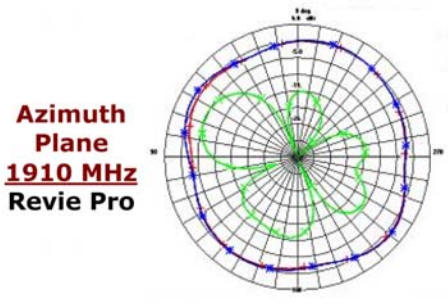
The MAF95054 antenna is a modification of these specifications only in reference to the cable type and length. The specs listed here are the same and the antenna is a Revie Pro. The cable does not have a connector on the end, but is left bare. See drawing.John Koudela, CE, RFN, with help from Neil Ross, 4-11-2007.

Cable & Connector:

Model #	Part Number	Frequency Range	Cable	Connector
Revie	AAF95003	900/1800/1900 MHz	12" Brown RG-178	MMCX
Revie	AAF95004	900/1800/1900 MHz	Call for availability	Murata GSC
Revie Pro	AAF95035	868/900/1800/1900 MHz	12" Brown RG-178	MMCX
Revie Pro	MAF95013	868/900/1800/1900 MHz	2.625" Brown RG-178	MMCX
Revie Pro	MAF95004	868/900/1800/1900 MHz	10" Brown RG-178	SSMB



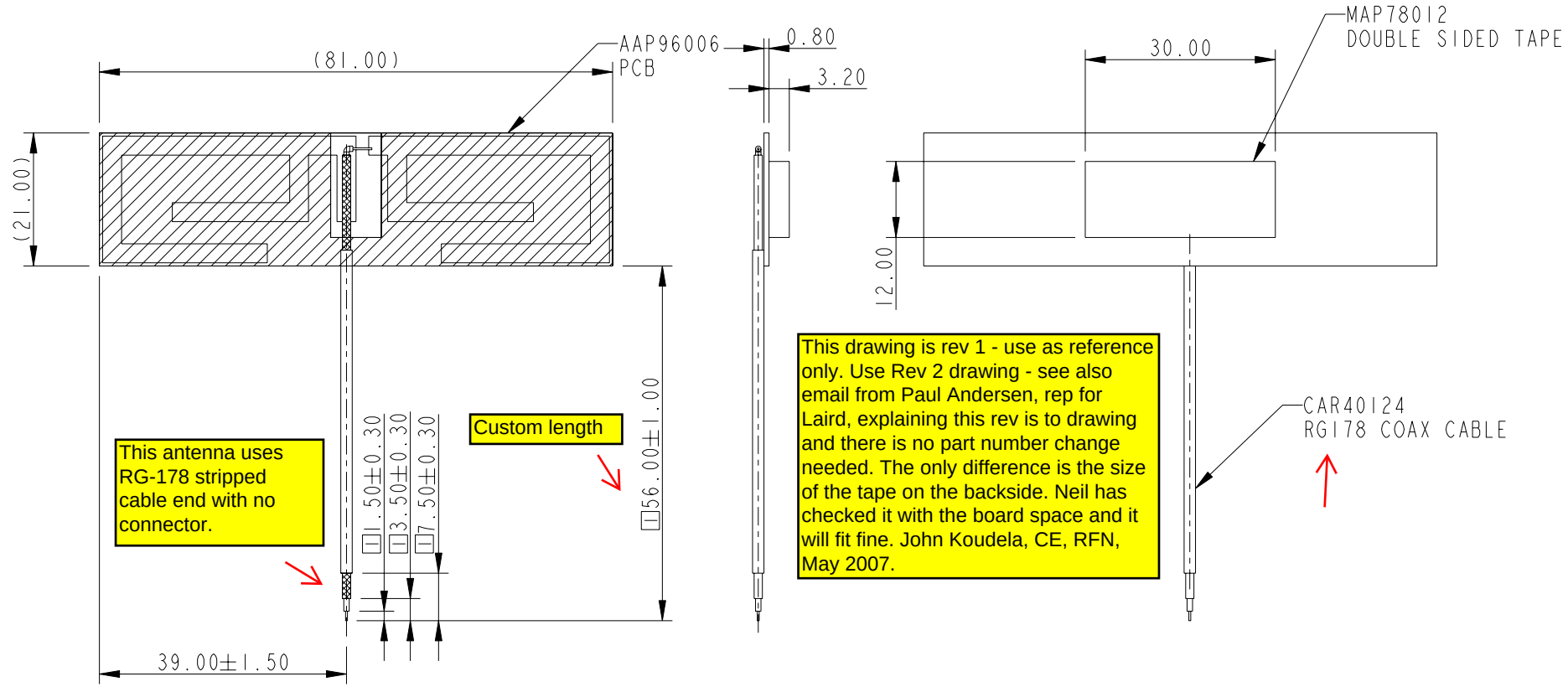




Specifications subject to change without notice.

Revie-a – 10/13/05

3425 N.44th Street, LINCOLN, NE 68504 USA
SALES PHONE: 800.228.4563
PHONE: 402.467.4491 • **FAX**: 402.467.4528
www.centurion.com • sales@centurion.com



INFORMATION ONLY

MINIMUM BEND RADIUS FOR RG178 COAX CABLE IS 0.4"

TOLERANCE (UNLESS STATED)	
X	= ±0.3
XX	= ±0.13
ANGULAR	= ± 30′

- PRODUCT & PROCESS MUST BE ROHS COMPLIANT
- MISSING INFORMATION REFER TO 3D DATA
- DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE
- THIS DRAWING WAS GENERATED VIA PRO/ENGINEER
- PRINT NOT TO SCALE

SYM	ECO/DESCRIPTION	DATE	CK	APP

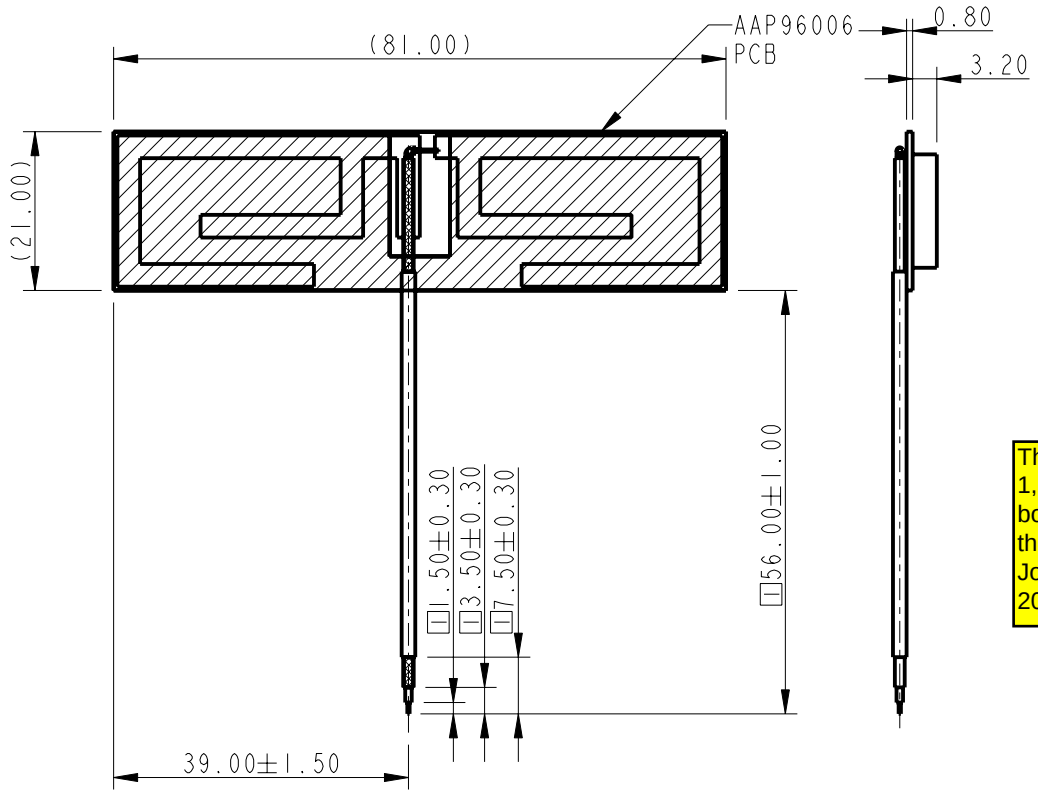
Laird TECHNOLOGIES®
ANTENNA SBU
PENANG, MALAYSIA

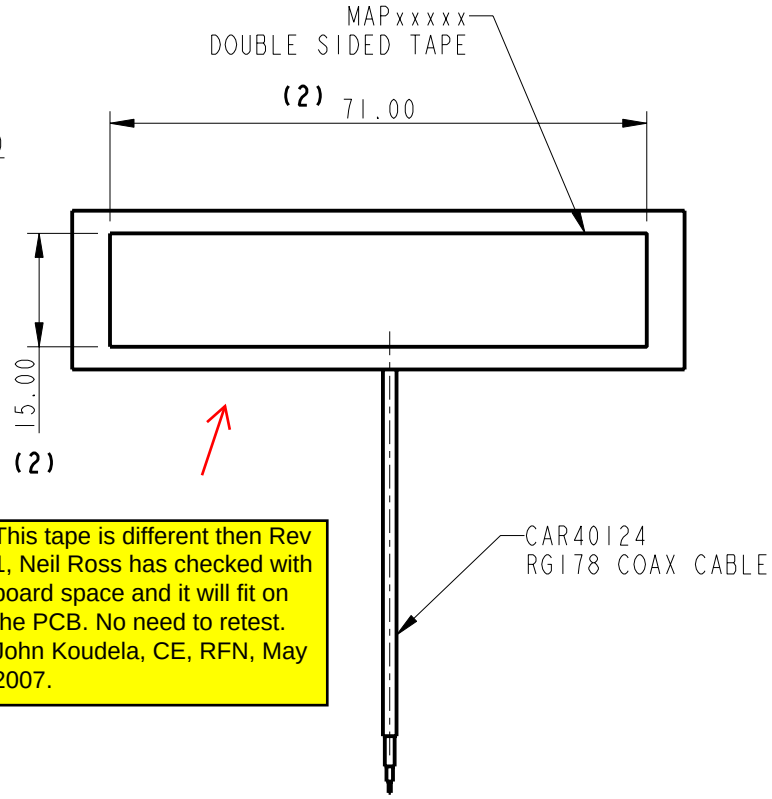
DRAWN BY: PANG
CHECKED BY: GERALD

DWG. NO.: MAF95095
PG. 1/1
REV 1

DESCRIPTION: REVIE PRO ANTENNA (FLYING LEAD)
MATERIAL: N/A

PROJECT NO. CWC00XXX
DATE: 28/03/07
SCALE: 1.000
UNITS: MM





This tape is different then Rev 1, Neil Ross has checked with board space and it will fit on the PCB. No need to retest. John Koudela, CE, RFN, May 2007.

INFORMATION ONLY

MINIMUM BEND RADIUS FOR RG178 COAX CABLE IS 0.4"

TOLERANCE (UNLESS STATED)	X = ±0.3 XX = ±0.13 ANGULAR = ± 30′

- PRODUCT & PROCESS MUST BE ROHS COMPLIANT
- MISSING INFORMATION REFER TO 3D DATA
- DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE
- THIS DRAWING WAS GENERATED VIA PRO/ENGINEER
- PRINT NOT TO SCALE

SYM	ECO/DESCRIPTION	DATE	CK	APP
(2)	CHANGED OF DOUBLE SIDED TAPE SIZE	20/04/07	PANG	GERALD

Laird TECHNOLOGIES
ANTENNA SBU
PENANG, MALAYSIA

DRAWN BY: PANG
CHECKED BY: GERALD

DWG. NO.: MAF95095
PG. 1/1
REV 2

DESCRIPTION: REVIE ANTENNA (FLYING LEAD) - 56mm
MATERIAL: N/A

PROJECT NO. CWC0186 | DATE: 28/03/07 | SCALE: 1.000 | UNITS: MM