



Extending Coverage of 3G Cellular Data (or Voice) using an RF Bidirectional Amplifier & High Gain Directional Yagi Antenna


To learn more about other solutions and variation to extend your data coverage contact us or checkout <http://www.rfwel.com> to learn more.

 Contact us for assistance with RF link budget analysis if unsure why your speed or received signals strength still hasn't improved.

9-element Yagi Ant. Gain=13dBi @ 1.9GHz PCS, 25W

 Lightning discharge device DC-3GHz, N-Fem, 50Ω, Ground per NEC-2005 Art820 using 14AWG+ grounding electrode (OPTIONAL)

9913-eq. low loss cable, N-Male, 50Ω

 N-Fem/FME-Fem. Adptr, IL<0.1dB, 50Ω

Dual Band Cell RF BDA, 824-894MHz, 1850-1990MHz, RFmax=35dBm, FME-Male

802.11b/g WiFi

WWAN ROUTER (CELL)


CAT5E/6E to LAN

3G Cell Modem

3G Modem Card Ant. Adapter (FME-Male)

Demarc. (exterior wall or raceway/conduit entry)

Building or Enclosure

 For In-Building applications use a 12V AC/DC power adapter (not included in amplifier package). A car lighter DC adapter is included for vehicle use.

Bill of Materials

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	CL301124	Yagi 1800-1990 MHz Antennas
2	1	CL859902	Lightning surge protector DC-3GHz, IL<0.2dB
3	2	952310	10' LMR-400 -eq. Low loss coaxial cable, N-male, Att<0.1dB
4	1	CL971107	N-Fem/FME-Fem Adapter, IL<0.1dB
5	1	CL811201	Direct connect dualband amp, FME-Male, incl. FME-Fem adpt
6	1	INDCADPTR	Universal inductive-coupled antenna adapter, FME-Male
7	1	FW300DOWMX	Sprint Franklin U300 3G/4G EVDO/WiMax USB Modem
8	1	CLPEP20W	Peplink Balance 20W 3G MultiWAN Router
9	1	CL859903	AC/DC 12V Power Supply Adapter



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DRAWN BY: RT (Engr)
APPROVED BY:

FREQ(s): 800MHz, 2.4GHz ISM, 1.9 GHz PCS

Generic WWAN, RF-BDA Conn

Direct Connect Dual-band Cellular Amplifier & Directional Yagi Antenna Generic Connection for In-Building Applications

SIZE	LIC NO	DWG NO	REV
	AZ ROC # 253407	BW-00000000	1A
SCALE	NO SCALE	FRN: 0018086041	SHEET 1 OF 1