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**NOTES:**

1) Zyxel MAX206M2 Wimax modem includes 2 MIMO external antenna ports. See <http://forums.rfwel.com> for discussion on when a single antenna is sufficient

2) To use with a lightning surge device see <http://www.rfwel.com/kc>

3) To connect to another modem with different antenna port or no antenna port contact our tech support for solution @ [www.rfwel.com](http://www.rfwel.com)

1) ARC IES™ Integ'd Enclosure, Includes ARC ABS™ articulating bracket. Mount on 1-3" OD pole (Not a part)

6) RG-58 cable SMA-Male/SMA-Male.

7) SMA-Female/N-Female Adptr

4) 9913-eq. or 400-series low loss cable, N-Male, 50Ω, use adapter (5) on antenna side of cable to mate the N-male cable to SMA-female modem

2) 2.5-2.7GHz Wimax Panel Antenna, 16.3dBi gain, VSWR typ. <1.5:1, <30dB FB, 50Ω, R/A SMA Jack (female)

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

Demarc. (exterior wall or raceway/ conduit entry)

Building or Enclosure

Zyxel WiMax Modem

CAT5E/6E to Router/ PC

5) N-Fem/SMA-plug (Male) Adptr, IL<0.1dB, 50Ω

**BOM**

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	ARIE2000_K01	ARC IES Integ'd antenna enclosure (GenII)
2	1	ARIA2516B01	2.5-2.7 GHz Wimax Panel Ant. 16dBi, SMA-female
3	1	CL859902	Lightning surge device DC-3GHz, IL<0.2dB, N-Female
4	1	CL951108	20' 9913-eq. Low loss coaxial cable, N-male, Att<0.1dB
5	1	HT_NFSMAM	N-Female/ SMA-Male (Plug) Adapter
6	1	RG5810SMA	10' RG58 cable SMA-Male/SMA-Male
7	1	LC-AXA-NFSF	N-Female/ SMA-Female (Jack) Adapter



1616 S. Stapley Dr. Ste 103,  
Mesa, AZ, 85204, U.S.A  
[www.rfwel.com](http://www.rfwel.com) | 480.218.1877

DRAWN BY: RT (Engr)  
APPROVED BY:

FREQ(s): 2.5 – 2.7 GHz

Generic: Sprint 4G, Xohm, Clearwire Clear Wimax, High gain antenna

16dBi Panel, Low-loss coaxial Cable, Lightning surge protector

SIZE

LIC NO

DWG NO

REV

AZ ROC# 253407

BW-00000000

1A

SCALE

NO SCALE

FRN: 0018086041

SHEET

1 OF 1

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