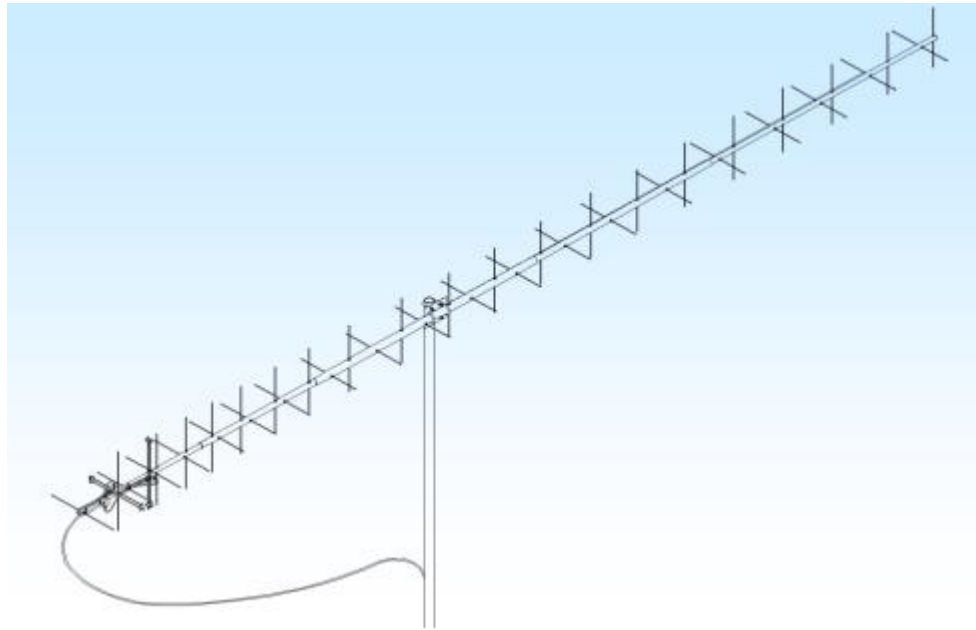


BIRDS GS Antenna – M2

Apiwat Jirawattanaphol

436CP42UG (Ultra-Gain)

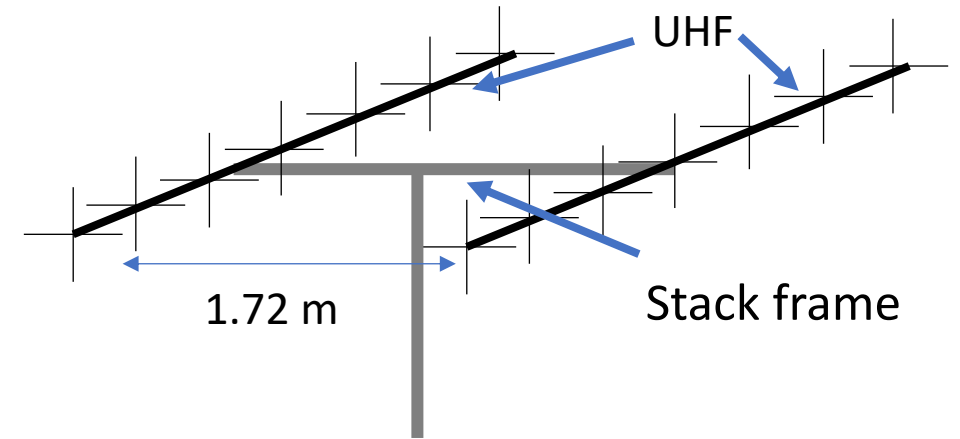
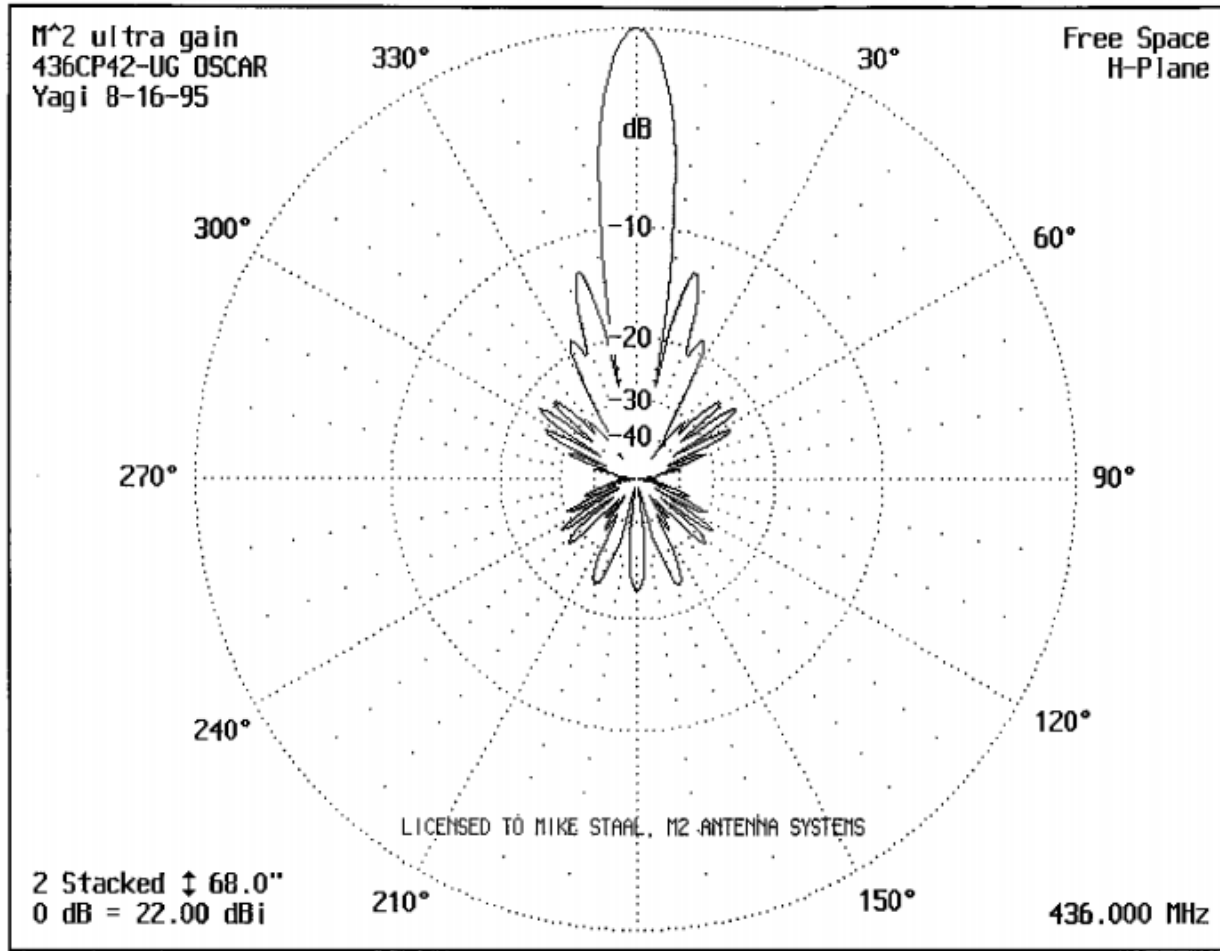


Price: 460 \$

SPECIFICATIONS:

Model	436CP42UG	
Frequency Range.....	430 To 438 mHz	
*Gain.....	18.9 dBic	
Front to back	25 dB Typical	
Ellipticity.....	1.5 db Typical	
Beamwidth	21° circular	
Feed type.....	Folded Dipole	
Feed Impedance.	50 Ohms Unbalanced	
Maximum VSWR.....	1.5:1	
Input Connector.....	"N" Female others opt.	
Power Handling	1Kw (.5kW w/POL SW1)	
Boom Length / Dia.....	18' 10" / 1-1/2" To 1"	= 5.7 m
Maximum Element Length	13-1/4"	
Turning Radius:.....	95"	
Stacking Distance.....	68" High & 68" Wide	
Mast Size	1-1/2" to 2" Nom.	
Wind area / Survival	2 Sq. Ft. / 100 MPH	= 160 km/h
Weight / Ship Wt.....	7.5 Lbs. / 10 Lbs.	= 3.4 kg

2 stack array

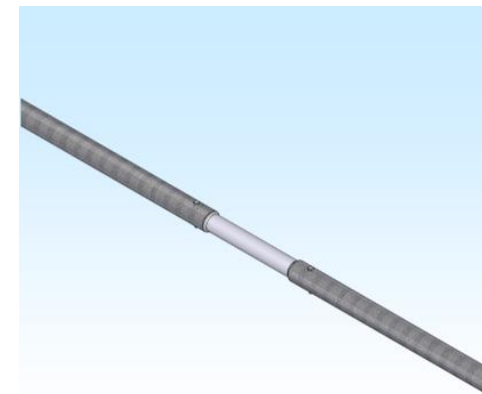
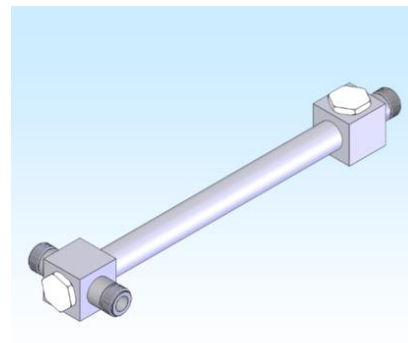
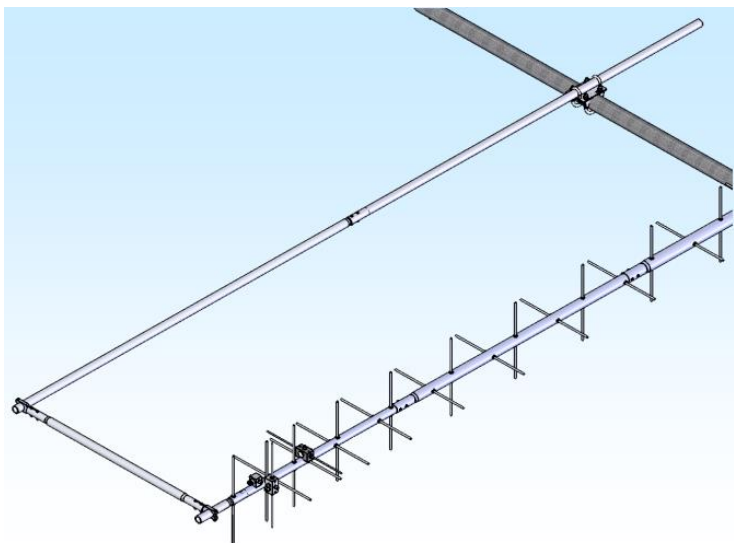
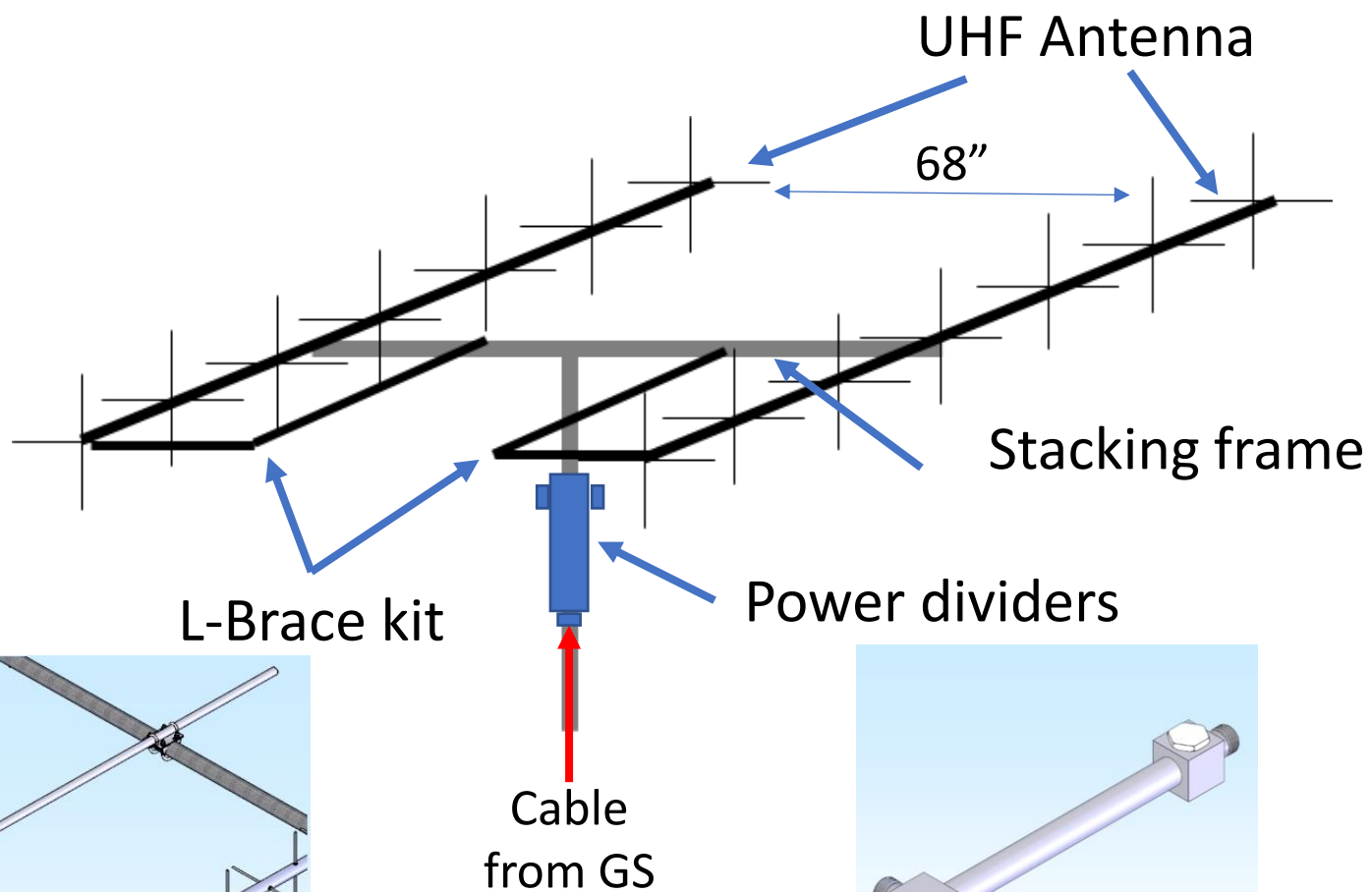


Gain: 22.00 dBi

Weight: 7.5 lbs x2 = 15 lbs

Stack frame: 13lbs

Total weight: 12.7 kg



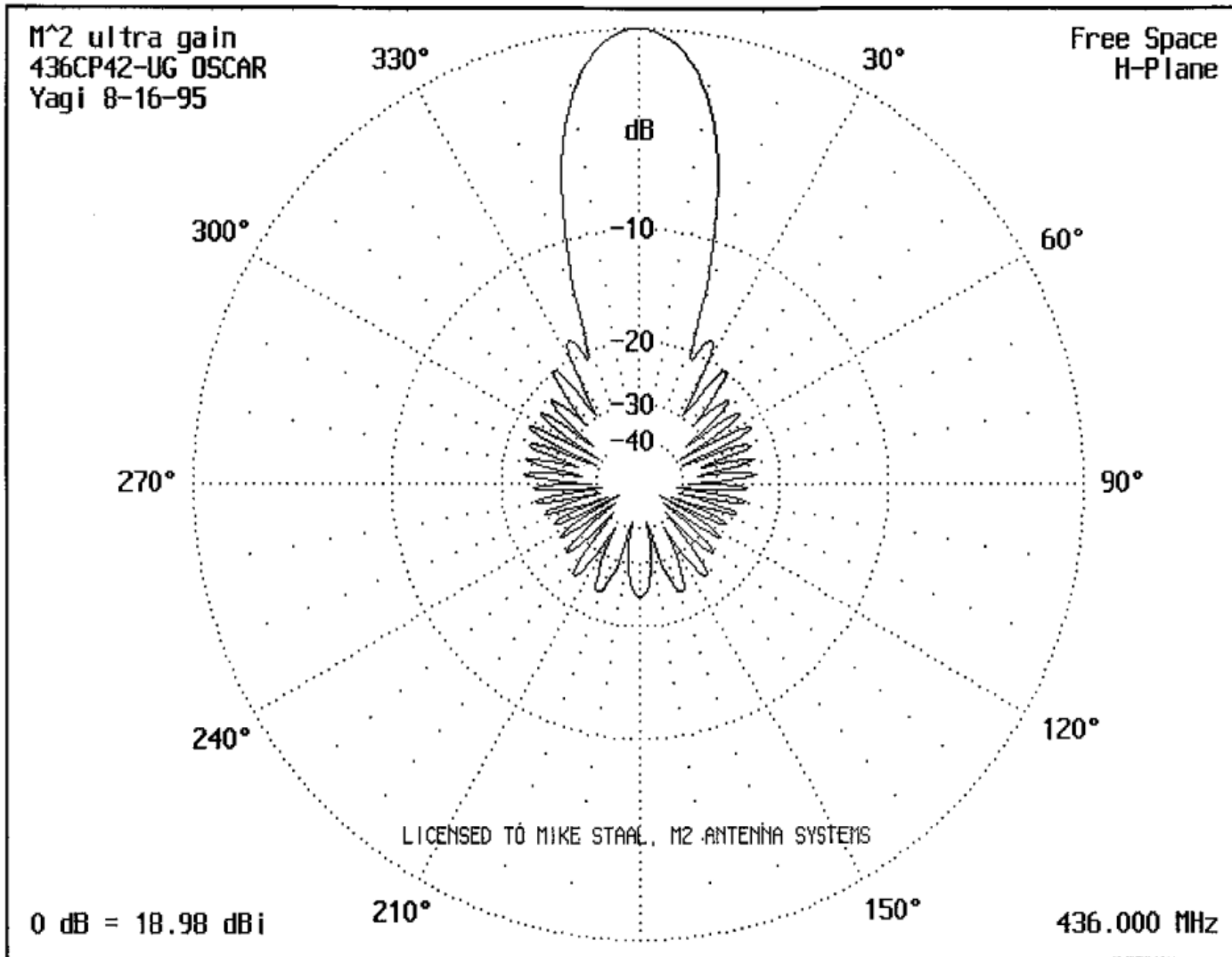
List of components

- Antenna 436CP42UG 430-440 MHZ Qty: 2
<http://www.m2inc.com/FG436CP42UG>
- 70CM (430-440MHz) 2 PORT POWER DIVIDER Qty: 1
<http://www.m2inc.com/FG70CM2PRTPD>
- UHF-50, TUNED PHASE KIT Qty: 1 <http://www.m2inc.com/FGUHF50>
- CROSSBOOM, HD FG 11' Qty: 1 <http://www.m2inc.com/FGCB60>
- L-BRACE KIT, UNIVERSAL (AM) Qty: 2 <http://www.m2inc.com/FGLBKAM>

Action Items

- Contact antenna manufacture company, Done
- Ask Apollo Denshi for import and installation work, In process

Single antenna [Ref.]



Gain: 18.98 dBi
Weight: 7.5 lbs

