



M2 Antenna Systems, Inc. Model No: FGFD-2-SC-XC-1 S/X Dual-Band Dish Feed



SPECIFICATIONS:

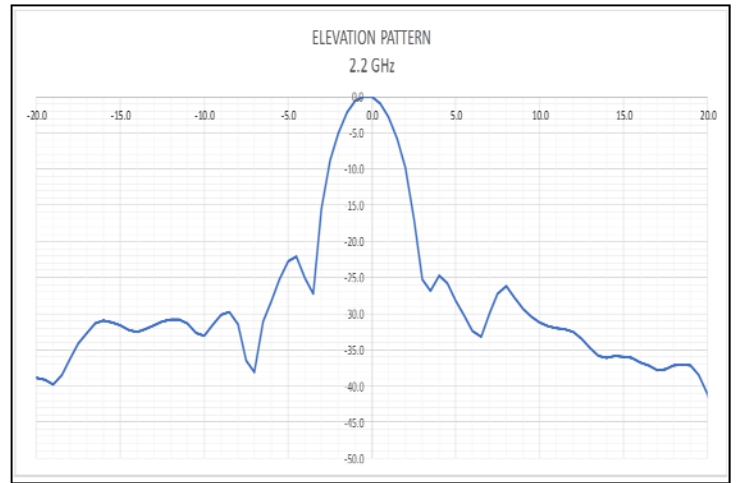
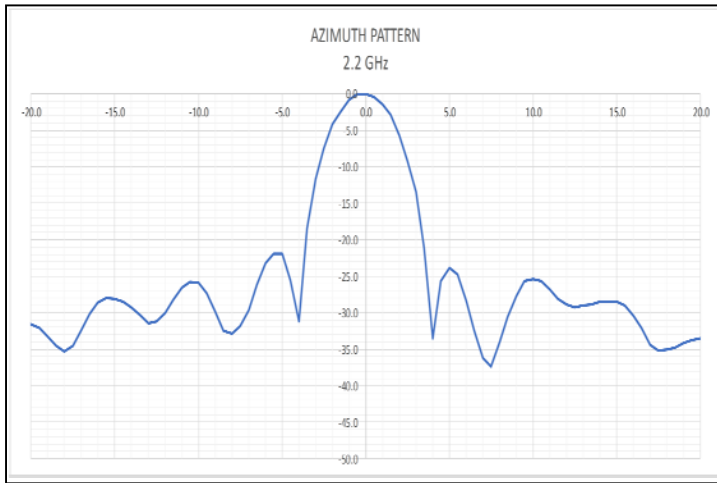
Model Number	FGFD-2-SC-XC-1
S-Band Frequency Coverage	1.95-3.05 GHz (Customer Specific)
X-Band Frequency Coverage	7.0-8.5 GHz (Customer Specific)
Optimum Dish Feed F/D Ratio.....	0.3 TO 0.45
System Efficiency.....	50 TO 65%
Isolation Between Ports (S-Band).....	>15 dB
Isolation Between Ports (X-Band).....	>20 dB
Polarity	RHCP / LHCP
Connector	Type "N" Connector (WR-112 Flange Optional)
Dimensions	18" x 11.5" x 11.5"
Weight	14.5 lbs.

FEATURES:

The **M2 Antenna Systems, Inc. FGFD-2-SC-XC-1**, Dual-Band feed is designed for either Prime-Focus or Compact Cassegrain configured reflectors. The Dual-Circular S-Band section can support power levels in excess of 100 Watts for transmit applications. Band coverage in S-Band is from 1.5-3.05 GHz (Customer Specific), using precision "N" interface connections. The Dual-Circular X-Band section can support power levels in excess of 1 kW for transmit applications and covers the 7.0-8.5 GHz (Customer Specific) frequency range. The interface for X-Band is via the industry standard WR-112 waveguide flanges.

Using proprietary Frequency-Selective Surface (FFS) designs, **M2 Antenna Systems, Inc.** can fit multiple feeds on beam, increasing the capabilities of new or legacy reflectors. If your project is pressed for time, The M2 Engineering staff is ready to assist in sourcing, selection and design of the RF front end electronics, LNA's, LNB's, BUC's, Amplifiers, RF Cabling and referencing. Give us a call with your requirements today...we can help.

S/X Dual-Band Feed Patterns



S-Band patterns taken using the M2 Antenna Systems FGFD-2-SC-XC-1 Dual-Band Feed, installed on a 3.7M Reflector at 2.2 GHz.