



DIRECTIVE SYSTEMS

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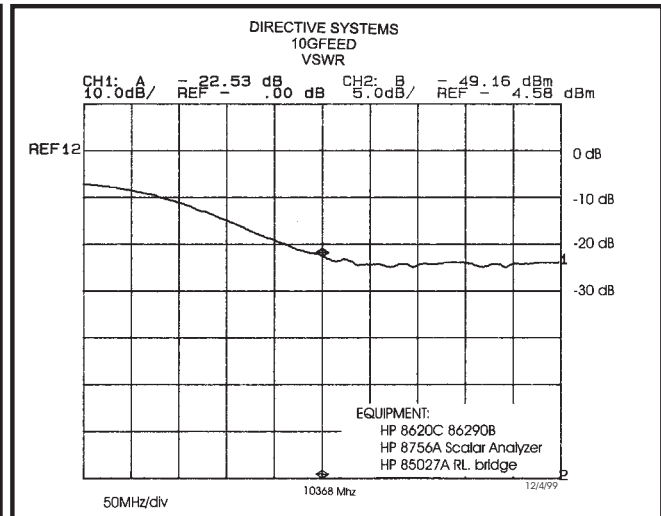
177 DIXON ROAD

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10,368 Mhz DISH FEED, 10GFEEED

Frequency range:	10.2-11.0 GHz	Return Loss (typ)	-20 dB
Polarization:	Linear V or H	-10 dB Beamwidth	110 degrees
Connector:	SMA (f)	Edge illumination	80 degrees
Weight:	1 pound	-3 dB Beamwidth (E, H plane):	50 W CCS average
F/D (optimum)	.45	Maximum Power:	



INSTALLATION INSTRUCTIONS

1) Unpack antenna feed assembly and observe the location of the connector and probe orientation. For horizontal polarization, the probe must be oriented parallel with the horizon. (The connectors will stick out laterally on the antenna.)

2) Install the feed on your parabolic dish using the proper dimension of the focal point (supplied with the dish) to the feed. Measure this distance from the lip of the inner (3/4") circular waveguide. The proper distance for the Downeast Microwave Dh6 .6 m dish is 10.8" (27.43 cm.) This feed has been optimized for the Dh6 parabolic dish.

3) The dish feed SWR has been adjusted at the factory for about 1.2:1. No additional adjustments are needed. Do not try to adjust the tuning screw to improve the VSWR. Unless you have adequate return loss equipment. Any adjustments can reduce the gain of the dish/feed combination. Use caution when tuning!

Any measurements at 10 Ghz are difficult and can depend on many factors. We recommend adjusting the feed position while measuring field strength. This is a simpler check and can be more meaningful. Have fun on 10 Ghz!