

SUPERIOR SATELLITE

“Satellite Antenna Systems Engineering Excellence”

MULTIPLE-SATELLITE FEED SYSTEM



- **Multiple Satellite Performance Kits** designed for ease of installation and maximum flexibility.
- **MBF Systems include** support struts, feed plate assembly, feedhorns, cover and complete instructions.
- **Simultaneous** reception of up to 5 adjacent satellites.
- **Factory Pre-Set** for easy installation and alignment, **Satellite Look Angle List** included for each site.
- **Available for most** commercial satellite antenna systems.
- **Each feedhorn has** discreet azimuth, elevation, focal distance and polarization adjustments.

Beginning in 1982, SSE has delivered more than twenty thousand Multiple-Satellite Feed Systems in support of Cable, Broadcast, IPTV and Wireless satellite antenna systems.

1743 MIDDLE ROAD • COLUMBIA FALLS, MT 59912
(406) 257-9590 • FAX (406) 257-9599
WEB SITE: WWW.SUPERIORSATELLITEUSA.COM

MULTIPLE-SATELLITE FEED SYSTEM

Performance Comparisons at
Bore-sight and (2°) Off-boresight



Antenna and Test Equipment

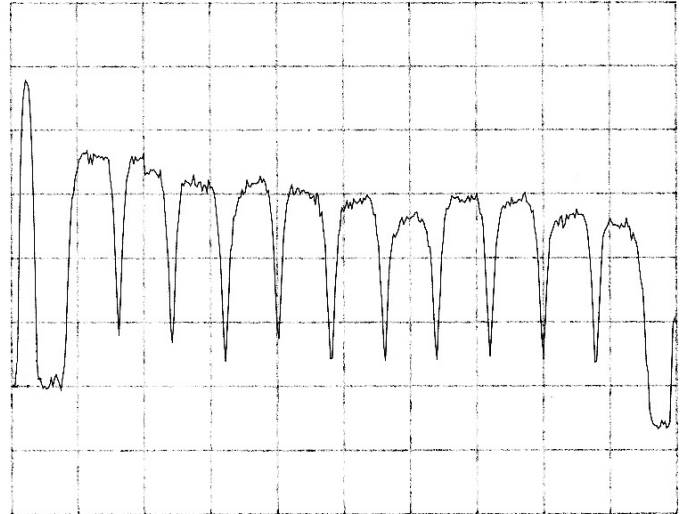
Superior Satellite Engineers Series 8345
(4.5m) Antenna

Phase-lock Loop LNB's

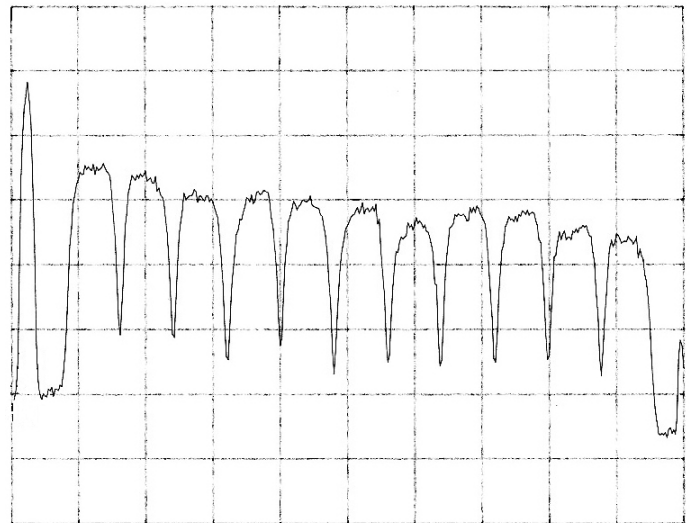
Hewlett Packard Model 8591E Spectrum Analyzer

IDC Model 3101R
Satellite Receiver (SES IRD)

SES-Americom AMC-9 (83°)



Spectrum Analyzer Plot with antenna
and Feed System on-boresight



Spectrum Analyzer Plot with antenna
and Feed System two degrees (2°) off-boresight

The Spectrum Analyzer-generated Plots demonstrate a comparison between the performance values associated with the feed system aligned on boresight and the associated feed system aligned 2° off boresight. It is obvious that the off boresight performance values do not suffer any significant Loss factors and that the nominal Loss generally does not exceed 1 dB. Superior Satellite Engineers has generated a complete test and evaluation survey with Feedhorns at 2° and 4° off boresight. For a copy of the Report, contact SSE (406) 257-9590 or e-mail superior@superiorsatelliteusa.com and request the Reports on-line.

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