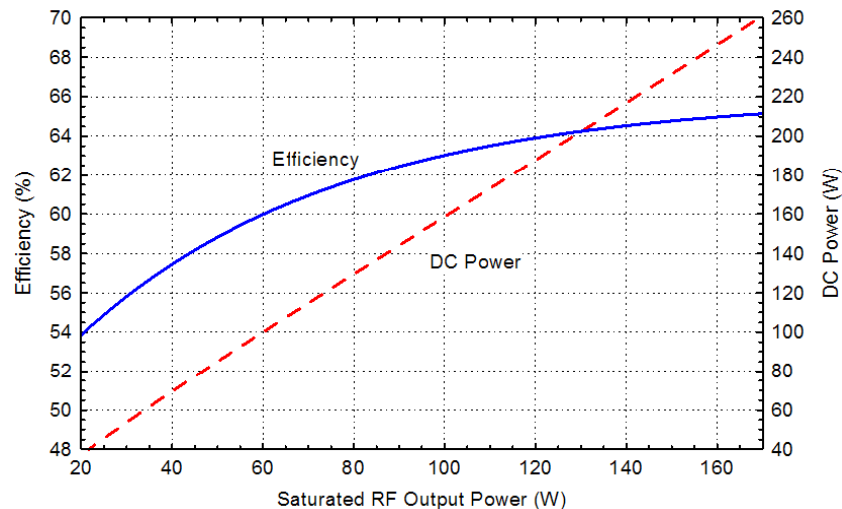
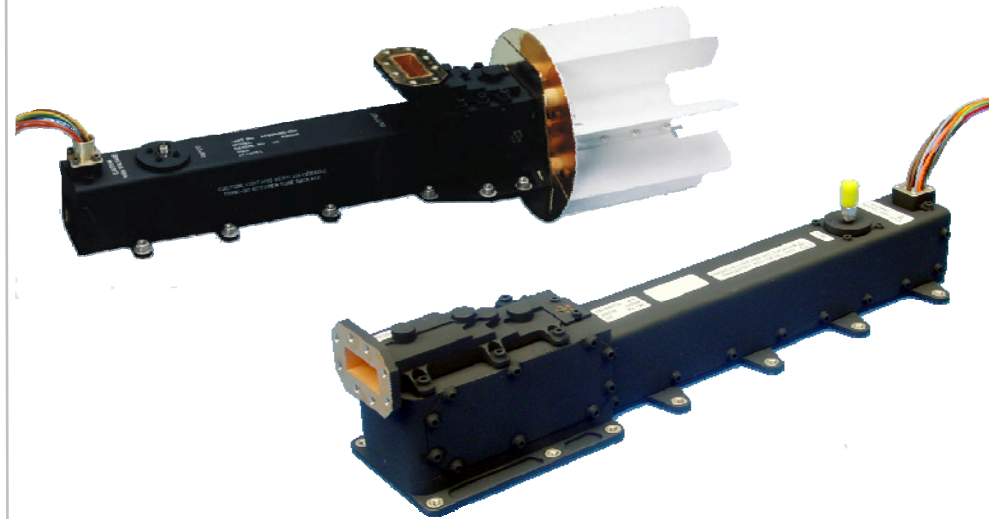


7 - 9 GHz / X-band Communications 11/18/09

Model	86100H	86160H	86160HR
Sat Power Range	25 – 165 W		100 – 165 W
Efficiency	55 – 65 %		60 – 62 %
Sat Gain	47 – 53 dB		54 dB
Sat Drive	~ -1 dBm		-3 dBm
Max Phase Shift	45 °		45 °
AM/PM @ Sat	4.0 °/dB		4.0 °/dB
C/3IM @ -3 dB IBO	10.0 dB		10.0 dB
Noise Figure	34 dB		34 dB
Mass	965 g		1350 g
RF Input	SMA		
RF Output	WR-137 or WR-112 Waveguide		



- **Power range: 25 to > 165 W**
- **High efficiency: 65% @ 500 MHz BW**
- **Radiation- or Conduction-cooled package options**
- **>61 TWTs on orbit**
 - (300 TWTs all X-band models)
- **>1M on-orbit hours**
 - (>18 million all X-band models on-orbit hours)
- **Communications link for military applications**