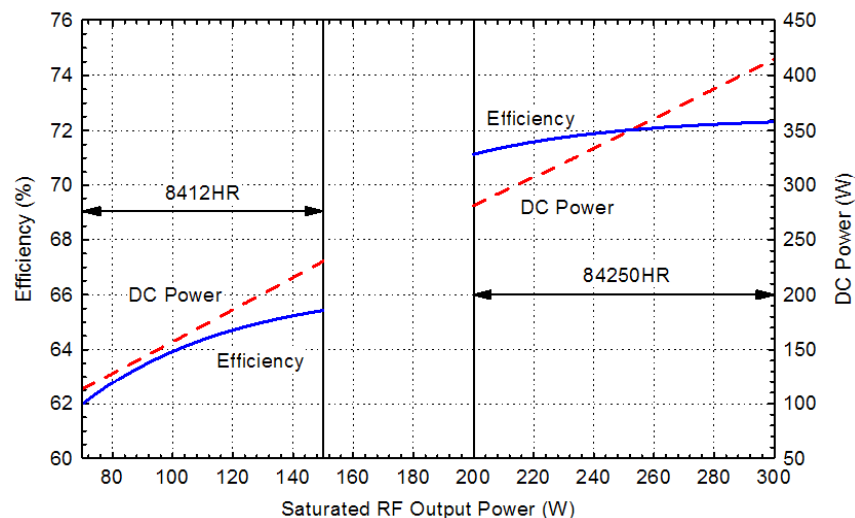
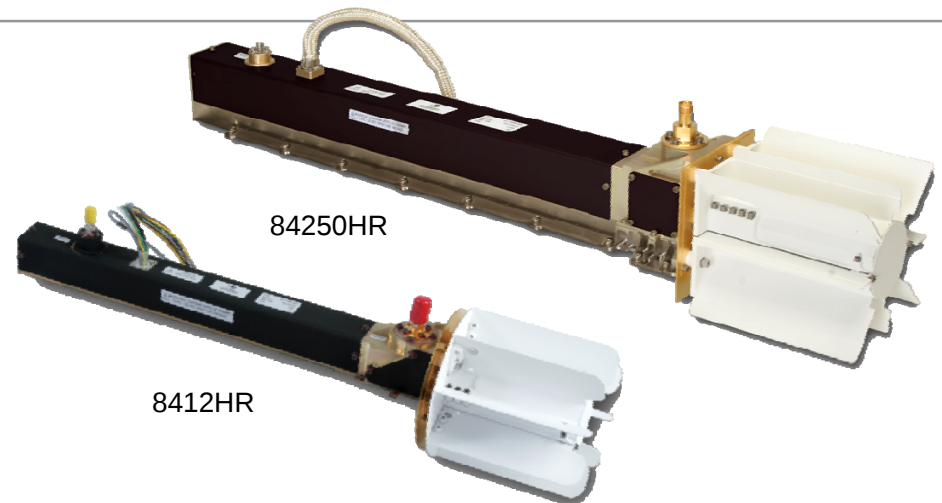


2.3 – 2.8 GHz / S-band Communications TWT 2/1/12

Model	8412HR	84250HR
Sat Power Range	90 - 150 W	200 - 300 W
Efficiency	62 - 65%	69 - 72%
Sat Gain	47 – 53 dB	42 – 48 dB
Sat Drive	-1 to +5 dBm	+5 to +10 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	25 dB	18 dB
Mass	1250g	3170g
RF Input	SMA	
RF Output	TNC / TNC ¼ height WR340	



- Power range: 90 to 300 W
- High efficiency: >70% @ 50 MHz BW
- Radiation & conduction-cooled packages
- >342 TWTs on orbit
- >14.5M on-orbit hours
- Ideal for Digital Audio and Mobile Video payloads