

# WildBlue Ka-Band TM Link Budget

Link Parameters		
Rx E/S Range to Satellite	(km)	39,000
Carrier Frequency	(MHz)	20,196
Satellite TM Carrier EIRP	(dBW)	13.0
Atmospheric and Other Losses	(dB)	2.6
Free Space Loss	(dB)	210.4
Rx E/S Antenna Gain	(dBi)	57.5
Rx Signal Power	(dBW)	-142.5
Required TM Rx Input Power	(dBW)	-145.0
Margin	(dB)	2.5