Representative Forward Link Budget	

UT Type Handheld Terminal				
UT Type Carrier Type		High Power Notification		
General Parameters	Unit	riigii Fowei Notification		
Gateway elevation angle	deg	42.0		
Minimum user elevation angle	deg	20.0		
Uplink frequency	GHz	29.625		
Downlink frequency	GHz	2.200		
Bandwidth/carrier	kHz	8.0		
Uplink	KIIZ	6.0		
Uplink E/S antenna diameter	m	13.2		
Uplink E/S antenna peak gain	dBi	69.6		
E/S antenna pointing error	dB	0.5		
Clear-sky uplink EIRP	dBW	57.0		
Rain-faded uplink EIRP	dBW	74.0		
Free space loss	dB	213.4		
Atmospheric loss	dB	0.3		
Rain attenuation	dB	17.0		
Satellite antenna pointing error	dB	0.3		
Satellite antenna receive system noise temp.	dB-K	32.1		
Satellite receive antenna G/T	dB/K	17.0		
Uplink C/N _o	dBHz	88.7		
Uplink C/IM _o	dBHz	104.5		
Uplink C/I _{oASI}	dBHz	95.7		
Uplink C/I _{o Intra-system}	dBHz	199.0		
Downlink				
Effective Satellite EIRP/carrier (-3 dB contour)	dBW	60.5		
Free space loss	dB	191.2		
Atmospheric loss	dB	0.1		
User terminal antenna gain	dB	0.0		
User terminal system noise temperature	dB-K	27.0		
User terminal G/T	dB/K	-27.0		
Downlink propagation margin	dB	27.9		
Downlink C/N _o	dBHz	42.9		
Downlink C/IM _o	dBHz	64.3		
Downlink C/I _{o Intra-system}	dBHz	199.0		
Downlink C/I _{o External Interference}	dBHz	52.9		
End-to-End Performance				
End-to-end C/N _o	dBHz	42.9		
End-to-end aggregate C/I _o	dBHz	52.9		
End-to-end C/IM _o	dBHz	64.3		
Total aggregate C/(N _o +I _o +IM _o)	dBHz	42.4		
Total aggregate C/(N+I+IM)	dB	3.4		
Required C/N	dB	3.4		
System Margin	dB	0.0		