

Command carrier link budget

Transponder ID		TIDTC	TIDTC	TIDCE	TIDCE
		Global Horn		COM antenna	
UL Antenna flange power	dBW	25.0	26.0	23.0	10.0
UL Antenna flange power density	dBW/Hz	-36.8	-35.8	-38.8	-51.8
TxES antenna gain	dB	64.2	64.2	64.2	64.2
UL EIRP	dBW	89.2	90.2	87.2	74.2
Sat. Rec antenna gain (Global beam)	dBW	4.3	3.3	32.8	26.8
Sat. reciver system temp	K	790.0	790.0	790.0	790.0
Satellite G/T	dB/K	-24.7	-25.7	3.8	-2.2
Carrier BW	KHz	1500.0	1500.0	1500.0	1500.0
Rain fade margin (beyond UPC range)	dB	10.0	10.0	15.0	15.0
Path Loss	dB	210.0	210.0	210.0	210.0
CNR	dB	11.4	11.4	32.9	13.9
CNR(required)	dB	10.0	10.0	10.0	10.0
Margin	dB	1.4	1.4	22.9	3.9