CCSDS LINK DESIGN CONTROL TABLE
COMMUNICATIONS SYSTEM OPERATING CONDITIONS
(Link and Weather Not Combined)

EARTH - SPACE - LINK			SPACE - EARTH - LINK		
E/S TRANSMITTING RF CHANNEL:			S/C TRANSMITTING RF CHANNEL:		
1	RF Carrier Modulation		11	RF Carrier Modulation	
	a. Ch 1 Type	PM		a. Ch 1 Type	PM
	b. Ch 1 Format	PSK		b. Ch 1 Format	NRZ-L
	c. Ch 2 Type			c. Ch 2 Type	
	d. Ch 2 Format			d. Ch 2 Format	
E/S TRANSMITTING DATA CHANNEL:			S/C TRANSMITTING DATA CHANNEL:		
2	Baseband Data		12	Baseband Data	
	a. Ch 1 Bit Rate, b/s	2000.00		a. Ch 1 Bit Rate, kb/s	10.00
	b. Ch 1 Bit Err Rate	1.0E-06		b. Ch 1 Bit Err Rate	1.0E-05
	c. Ch 2 Bit Rate, b/s			c. Ch 2 Bit Rate, kb/s	
	d. Ch 2 Bit Err Rate			d. Ch 2 Bit Err Rate	
3	Data Coding		13	Data Coding	
	a. Ch 1 Type			a. Ch 1 Rate	0.17
	b. Ch 1 No. Info Bit			b. Ch 1 Constr Lngth	15
	c. Ch 1 Block Length			c. Ch 1 Concat Code	R/S
				d. Ch 1 Data/Tot Bit	223/255
	d. Ch 2 Type			e. Ch 2 Rate	
	e. Ch 2 No. Info Bit			f. Ch 2 Constr Lngth	
	f. Ch 2 Block Length			g. Ch 2 Concat Code	
				h. Ch 2 Data/Tot Bit	
4	Subcarrier		14	Subcarrier	
	a. Ch 1 Waveform	Sine		a. Ch 1 Waveform	
	b. Ch 1 Frequency	16KHz		b. Ch 1 Frequency	
	c. Ch 1 Mod Type	PSK		c. Ch 1 Mod Type	
	d. Ch 2 Waveform			d. Ch 2 Waveform	
	e. Ch 2 Frequency			e. Ch 2 Frequency	
	f. Ch 2 Mod Type			f. Ch 2 Mod Type	
E/S TRANSMITTING RNG CHANNEL:			S/C - E/S RNG CHANNEL:		
5	a. System Type	DSN	15	a. Code Regenerate	No
	b. Tone/Code Wavfm	Square		b. Coh Ops Reqd	Yes
	c. Highest Frequency	1MHz		c. Reqd Accuracy (m)	1
	d. Lowest Frequency	1KHz		d. Bandwidth T/C 1 (Hz)	1
	e. Total Comp No.	12		e. Bandwidth T/C 2 (Hz)	
EARTH-TO-SPACE PATH PERFORMANCE:			SPACE-TO-EARTH PATH PERFORMANCE:		
6	a. Weather Avail (%)	95.00	16	a. Weather Avail (%)	95.00
	b. S/C Distance (km)	384400		b. S/C Distance (km)	384400