MISSION AND SPACECRAFT				UNITS	CHANNEL 1			CHANNEL 2		
					DESIGN VALUE	FAV TOL	ADV TOL	DESIGN VALUE	FAV TOL	ADV TOL
E/S TRANSMITTING RF CARRIER CHANNEL PARAMETERS:										
1	Transmitter Power			dBW	42.30					
2	Transmitter Frequency			MHz	2,073					
3	Ant. Gain	DSN	34BWG1	dBi	55.20	0.00	0.00			
4	Antenna Circuit Loss			dB	0.00					
5	Ant. Pointing Loss			dB	-0.10	0.00	0.00			
E/S TRANSMITTING DATA CHANNEL PARAMETERS:										
6	Information Bit Rate			b/s	2,000					
7	Subcarrier Frequency			kHz	16KHz					
8	Subcarrier Waveform			Sin-Sq	Sine					
9	RF Modulation Index			Rad-pk	1.00					
E/S TRANSMITTING RANGING CHANNEL PARAMETERS:										
10	Simultaneous With Data			Yes-No	Yes	Incomp Mod Indices; Pls xqt CNTRL R at l 131				
11	Ranging Waveform			Sin-Sq	Square					
12	Mod Index Tone/Code			Rad-pk	0.80					
	b. Mod Index Tone/Code 2			Rad-pk						
EARTH - TO - SPACE PATH PARAMETERS:										
13	Topocentric Range			km	384400					
14	Atmospheric Attenuation			dB	-0.16					
15	Ionospheric Loss			dB	-0.10					
16	Antenna Elevation Angle			deg	11.00					
S/C RECEIVING RF CARRIER CHANNEL PARAMETERS:										
17	Antenna Gain (HGA)			dBi	11.00					
18	Polarization Loss			dB	-0.50					
19	Ant. Point Loss			dB	-3.00	0.00	0.00			
20	Antenna Circuit Loss			dB	-1.00					
21	Carrier Circuit Loss			dB	-0.50					
22	Total Noise Temperature			K	640.00	0.00	0.00			
	a. Rcvr Operating Temp			K	600.00	0.00	0.00			
	b. Feed Through Noise			K	0.00	0.00	0.00			
	c. Hot Body Noise			K	40.00	0.00	0.00			
23	Threshold Loop Noise BW			Hz	174.40					
24	Reqd Thrshld SNR in 2Blo			dB	12.00					
S/C RECEIVING DATA CHANNEL PARAMETERS:										
25	Phase Jitter Loss			dB	-0.50					
26	Demod / Detector Loss			dB	-0.50					
27	Waveform Distortion Loss			dB	-0.50					
28	Max Rng Interfer to Data			dB	-20.00					
29	Reqd Data Eb/No			dB	10.52					
S/C RECEIVING RNG CHANNEL PARAMETERS:										
30	Ranging Demodulator Loss			dB	-1.00					
31	Ranging Filter Bandwidth			MHz	1.50					
32	Reqd Tone/Code 1 SNR			dB	0.00					
33	Reqd Tone/Code 2 SNR			dB						