	MISSION AND SPACECRAFT	UNITS	CHANNEL 1 DESIGN VALUE	CHANNEL 1 FAV TOL	CHANNEL 1 ADV TOL	CHANNEL 2 DESIGN VALUE	CHANNEL 2 FAV TOL	CHANNEL 2 ADV TOL
S/C TRANSMITTING RF CARRIER CHANNEL PARAMETERS:								
51	Transmitter Power	dBW	6.99	0.00	0.00			
52	Transmitter Frequency	MHz	2,250					
53	Antenna Gain (LGA)	dBi	2.00	0.00	0.00			
54	Antenna Circuit Loss	dB	-1.50	0.80	-0.80			
55	Ant. Point Loss	dB	-3.00	0.00	0.00			
S/C TRANSMITTING DATA CHANNEL PARAMETERS:								
56	Information Bit Rate	kb/s	1					
57	Subcarrier Frequency	kHz						
58	Subcarrier Waveform	Sin-Sq						
59	RF Modulation Index	Rad-pk	1.40	0.05	-0.05	0.80	0.05	-0.05
S/C TRANSMITTING RNG CHANNEL PARAMETERS:								
60	Simultaneous With Data	Yes-No	Yes					
61	Mod Index Tone/Code	Rad-pk	0.40	0.05	-0.05			
SPACE - TO - EARTH PATH PARAMETERS:								
62	Topocentric Range	km	384400					
63	Atmospheric Attenuation	dB	-0.09	0.00	0.00			
64	Ionospheric Loss	dB	0.00	0.00	0.00			
65	Antenna Elevation Angle	deg	20.00					
E/S RECEIVING RF CARRIER CHANNEL PARAMETERS:								
66	Ant Gain DSN 34BWG1	dBi	56.90	0.00	0.00			
67	Polarization Loss	dB	-0.40	0.05	-0.10			
68	Ant. Pointing Loss	dB	-0.20	0.00	0.00			
69	Antenna Circuit Loss	dB	-1.00	0.00	0.00			
70	Total Noise Temperature	K	166.59	0.00	0.00			
	a. Rcvr Operating Temp	K	41.00	0.00	0.00			
	b. Feed Through Noise	K	0.00	0.00	0.00			
	c. Hot Body Noise	K	120.00	0.00	0.00			
	d. Weather Temp Increase	K	5.59	0.00	0.00			
71	Threshold Loop Noise BW	Hz	10.00	0.00	0.00			
72	Reqd Threshold SNR in 2Blo	dB	12.00	0.00	0.00			
E/S RECEIVING DATA CHANNEL PARAMETERS:								
73	Phase Jitter Loss	dB	-0.25	-0.01	0.01			
74	Demod / Detector Loss	dB	-0.20	0.00	0.00	-0.20	0.00	0.00
75	Waveform Distortion Loss	dB	-0.20	0.00	0.00	-0.20	0.00	0.00
76	Max Rng Interfer to Data	dB	-20.00	0.00	0.00	-20.00	0.00	0.00
77	Reqd Data Eb/No	dB	0.75	0.00	0.00		0.00	0.00
E/S RECEIVING RNG CHANNEL PARAMETER:								
78	Ranging Demodulator Loss	dB	-1.00	0.00	0.00			
79	Reqd Tone/Code 1 Pwr/No	dB-Hz	25.45	0.00	0.00			
80	Reqd Tone/Code 2 Pwr/No	dB-Hz						