

10 GHz	June 19 2000 SDMWG EIRP/MDS Event				Range Feet		220			Path Loss dB	89
Call	Dish size "	Output dBm	ERP PM dBm	MDS Gen dBm	Calc Ant Ga	Calc ERP dBm	Meas ERP	Meas-Calc			
KC6UQH	33	30	8.4	-90	36	66	65	-1			
KC6QHP	18	29	3.7	-85	31	60	60	0			
W6OYJ	30	17	3.1	-80	35	52	59	7			
WB6BKR	18	28	-2.3	-80	31	59	54	-5			
KF6PBP	25	30	4.6	-84	34	64	61	-3			
W6AT	20dBhorn	8		-62	20	28					
10 GHz	July 17 2000 event										
W6AT	24	27	4.3		33	60	61	0			
KC6UQH WB1	17 dB Horn	24	-4	-40	17	41	44	3			
KC6UQH WB2	17 dB Horn	24	-6.2	-40	17	41	42	1			
24 GHz WB	June 19 2000 SDMWG EIRP/MDS Event										
									Path Loss dB	95	
W6OYJ	12	8	-22		35	43	43	0			
KC6QHP	20 Horn	10			20	30					
WB6BKR	12	7	-24.5		35	42	41	-1			
July 17 2000 event											
N6IZW	18	20	-10	-30	38	58	55	-3			
W6OYJ	15	8	-20	-20	37	45	45	0			
WB6BKR	12	7	-20	-31	35	42	45	3			
KC6QHP	20 dB Horn	10	-30	-10	20	30	35	5			
WB frequency is 10280 MHz, IF is 57 MHz with 10.5 dB cable loss & amp gain of 46 db											
NB frequency is 10368 MHz, IF is 145 MHz with 18 dB cable					#REF!						
Ant gain Calc assumes 64% efficiency =7+20*LOG(size inches/12)+20*LOG(freq in GHz)											
Measured ERP = Power meter reading + Pathloss +Cable & Mixer loss-Amp & Horn gain											
Path Loss = -37.5+20*LOG(Dist in feet)+20*LOG(Freq MHz)											