10 GHz	July 26,2003 SDMG/SBMS EIRP/MDS Event					Range Feet	220		Path Loss dB	89
NB 10368										
Call	Dish size - in.	Output dBm	ERP PM dBm	Atten. Value dB	MDS Gen dBm	Calc Ant Gain	Calc ERP dBm	Meas ERP	Meas-Calc	
N6EQ	24	32	-3	10	-87	33	65	63	-2	
N6RMJ	36	43	-9	30	-79	37	80	77	-3	
KE6HPZ#1	27	30	-8	10	-76	34	64	58	-6	
KE6HPZ#2	18	24	-14	10	-72	31	55	52	-3	
KB6WKT	27	30	-21	10	-77	34	64	45	-19	
K6HLH	18	43	-14	30	-82	31	74	72	-2	
N7EME	21	30	-11	10	-77	32	62	55	-7	
KH6WZ	18	3	-38	10	-81	31	34	28	-6	
N9RIN	24	24	-31	10	-60	33	57	35	-22	
WA6NIA NBF	24	30	-8	10	-88	33	63	58	-5	
K6JEY	24	28	-10	10	-79	33	61	56	-5	
KC6UQH	33	29	-6	10	-83	36	65	60	-5	
KC6QHP	18	30	-17	10	-79	31	61	49	-12	
WB6NOA	23	17	-19	10	-78	33	50	47	-3	
N9RIN #2	12	24			-71	27	51	56	5	
WB6DNX	36	24	-9	10	-90	37	61	57	-4	
WA6CGR	24	44	-10	30	-90	33	77	76	-1	
W6DTA	24	27	-10	10	-86	24	51	56	5	
W6YLZ	27				-86	27	27	56	29	
W6YLZ #2	48				-85	48	48	56	8	
										95
NB 24 GHz	Known Ant dB									
HORN-NIA	20	23	-35		-58	20	43	30	-13	
WB frequency is 10280 MHz, IF is 57 MHz RX with 10.5 dB cable loss & amp gain of 46 db										
WB frequency is 10250 MHz, IF is 27 MHz TX										
NB frequency is 10368 MHz, IF is 145 MHz with 18 dB cable loss & amp gain of 46 dB										
NB frequency is 24192 MHz, IF is 147 MHz with 18 dB cable loss & amp gain of 46 dB										
WB frequency is 24125 MHz, IF is 80 MHz TX with ?? cable loss & amp gain of 46 db										
WB frequency is 24155 MHz, IF is 110 MHz RX with ?? cable loss & amp gain of 46 db										
Ant gain Calc assumes 64% efficiency =7+20*LOG(size inches/12)+20*LOG(freq in GHz)										
Measured ERP = Power meter reading+Attenuator + Pathloss +Cable & Mixer loss-Amp & Horn gain										
Path Loss = -37.5+20*LOG(Dist in feet)+20*LOG(Freq MHz)										