				Atten.		Range Feet	220		Path Loss dB	89
	JULY 2001 SDMG-SBMS EIRP/MDS Event									
NB 10368										
Call	Dish size "	Output dBm	ERP PM dBm	Atten. Value dB	MDS Gen dBm	Calc Ant Gain	Calc ERP dBm	ERP Meas	ERP Meas- Calc	
WB6DNX #1	36	28	−12.7	10	−71	37	65	54	−11	
KE6IDA #1	24	40	−0.8	10	−77	33	73	66	−8	
WB6DNX #2	36	missing data			−78	37				NO TX
KE6IDA #2	24	40	−6.8	10	−57	33	73	60	−14	
KE6HPZ	27	26	−11	10	−77	34	60	55	−5	
KB6WKT	20	23	−17	10	−82	32	55	49	−5	
W6SYA	24	29	−10.3	10	−77	33	62	56	−6	
K6JEY	24	28	−14.4	10	−77	33	61	52	−9	
K6RRA	27	24	−15.3	10	−75	34	58	51	−7	
KJ6HZ	30	23	−18	10	−77	35	58	48	−10	
KC6UQH	33	30	−5.8	10	−80	36	66	61	−6	
K6VLM	35	28	−7.6	10	−80	37	65	59	−6	
KE6IDA #3	24	35	−2	10	70	33	68	64	−4	
10 GHz NB	**Known Ant dB**									
W6OYJ Mobile	9	23	−23	0	−50	9	32	33	1	
24 GHz WB	**Dish Size IN.**								Path Loss dB	
									95	
W6OYJ	10		7	missing data	−35	33	40			
24 GHz NB	**Dish Size IN.**									
K6VLM	12	9	−17.6	0	−10	35	44	47	4	
Notes for 10 GHz:										
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 loss & amp gain of 46 dB										
Notes for 24 GHz:										
WB freq 24155 MHz, IF is 110 MHz with 15.7 dB cable loss & amp gain of 46 dB										
WB freq 24125 MHz, IF is 80 MHz with 13.3 dB cable loss & amp gain of 46 dB										
NB freq 24192 MHz, IF is 147 MHz with 18 dB cable loss & amp gain of 46 dB										
General Notes:										
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)										
24 GHz test setup demonstrates some quirks we don't fully understand. Relative										
performance comparisons should be useful but absolute values are suspect.										
10 GHz ERP measurements seem to show a bias of about −6dB for this event. Again										
relative performance to similar stations should be compared.										
In the MDS Gen column, biggest negative number is best. In the ERP Meas-Calc column										
zero and positive numbers are best										