10 GHz	July 18 2005 SDMWG EIRP/MDS Event					Range Feet	220		Path Loss dB	89
NB 10368										
Call	Dish size "	Output dBm	ERP PM dBm	Atten. Value dB	MDS Gen dBm	Calc Ant Gain	Calc ERP dBm	Meas ERP	Meas-Calc	
W6OYJ	30	26	-8.9	10	-82	35	61	59	-2	
WB6BKR	33	27	-14.7	10	-71	36	63	54	-9	
NE6O	18	10	-24.5	10	-77.5	31	41	44	3	
KC6UQH	33	36	-6.6	20	-87.6	36	72	72	0	
WB 10280 Tx	Known Ant dE	Out	dBm	Atten	MDS	Gain	ERP	ERP	Delta	
WB6BKR	17	15	-10	0	-30	17	32	38	6	
KD0IF	17	10	-15	0	-31	17	27	33	6	
24 GHz NB										
	Dish Size									95
W6OYJ	24	18	-52	0	-53	41	59	58	0	
WB6IGP	24	18	-52	0	-37	41	59	58	0	
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										
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)										