10 GHz	July 17 2006 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	24	-7.7	10	-78	35	59	61	1		
WB6BKR	20	27	-8.7	10	-75	32	59	60	1		
NE6O	18	30	-9.5	10	-76	31	61	59	-2		
K6NKC	30	31.6	-8.6	20	-87	37	69	70	1		
K6QPV	24				-76	33					
24 GHz NB											
	Dish Size									95	
W6OYJ	24	18	-39	0	-5	41	59	71	13		
K6QPV	12			0	-5	35					
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)											