	July 21, 2008 SDMWG EIRP/MDS Event					Range Feet	220			89
10 GHz NB										Path Loss dB
Call	Dish size "	Output dBm	ERP PM dBm	Atten. Value dB	MDS Gen dBm	Calc Ant Gain	Calc ERP dBm	Meas ERP	Meas-Calc	
AE6QU	17dB horn	20	-20	0		17	37	38	1	
W6OYJ	30	26	-9	10	-79	35	61	59	-2	
KN6VR	39	33	-5	10	-77	38	71	63	-7	
KD0IF	18	30	-9	10	-78	31	61	59	-2	
K6QPV	30	24	-9	10	-69	35	59	59	0	
AE6QU	30	27	-5	10	-80	35	62	63	1	
Santiago BCN	12db	27	-27	10		12	39	41	2	
										Path Loss dB
24 GHZ NB										95
W6OYJ	24	18	-2	10	-49	41	59	42	-17	
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)										