July 16, 2012 SDMG 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	
KD0IF	22	27	-11	10	-70	33	60	57	-2	
K6VCR	30	25	-13	20	-74	35	60	65	5	
KE6PBH	20	27	-9	10	-74	32	59	59	1	
N6IZW	24	37	-9	20	-86	33	70	69	-1	
KC6UQH	36	36	-4	20	-86	37	73	74	1	
NB frequency is 10368 MHz, IF is 144 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 (used 44 dB premp this time)										
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)										
Replaced FW brick with QC Synth on 10GHz unit										