	July 28, 2007 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			
KH6WZ	24				-88	33						
KE6HPZ (1)	24	38	-6	20	-85	33	71	72	1			
KE6HPZ (2)	18	30	-12	10	-78	31	61	56	-5			
N6RMJ(L1)	27	30	-23	0	-62	34	64	35	-29			
N6RMJ(L2)	30	39	-8	30	-84	35	74	80	6			
K6JEY	24	33	-5	10	-93	33	66	63	-3			
N6EQ	24	37	-9	20	-86	33	70	69	-1			
W6YLZ	40	30	-7	10	-95	38	68	61	-6			
K6BNN	18	27			-32	31						
KN6VR	30	33	-13	20	-78	35	68	65	-3			
W6QIW	30	39	-4	20	-93	35	74	74	0			
W6DFW	24	40	-13	20	-84	33	73	65	-8			
KJ6HZ	32				-81	36						
WB6JDH	19	30	-9	10	-82	31	61	59	-2			
										Path Loss dB		
24 GHZ NB										95		
N6RMJ	34 dB	33	-41	0	-65	34	67	64	-3			
WB6DNX	25DB	39	-47	0	-30	25	64	58	-6			
K6JEY	12	23	-60	0	-54	35	58	45	-13			
W6OYJ	24	18	-42	0	-54	41	59	63	4			
K6QPV	12				-43	35						
										Path Loss dB		
47 GHz NB					Path distance		100			96		
47088 MHz												
K6QPV	12					40	40	64	23	Received direct harmonic ouput of test set		
										Test set IF appeared to have problem		
78 GHz NB	K6JEY		Unable to receive test signal - unknown if test set working properly									
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)												