	July 22, 2006 SBMS/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	
KG6EG	30	39	-4.6	20	-86	35	74	74	-1	
KH6WZ	24	33	-10	20	-79	33	66	68	2	
KE6HPZ (1)	24	38	-5.3	20	-88	33	71	73	2	
KE6HPZ (2)	18	26	-5.9	0	-79	31	57	52	-4	
N6RMJ(L1)	23	30	-6.2	10	-82	33	63	62	-1	
N6RMJ(L2)	30	39	-9	30	-92	35	74	79	5	
K6JEY	24	33	-5	10	-51	33	66	63	-3	
N6AX	24	29	-9	10	-84	33	62	59	-3	
N6EQ	24	37	-8	20	-87	33	70	70	0	
W6DQ	24	30	-3.9	0	-84	33	63	54	-9	
W6YLX	32	30	-2	10	-92	36	66	66	0	
W6KVC	39	17	-10	0		38	55	48	-6	
K6BNN	18	27	-10.5	10	-61	31	58	58	0	Path Loss dB
24 GHZ NB										95
N6RMJ	34 dB	33	-11	0	-64	34	67	67	0	
KH6WZ	13	32	-14	0	-28	35	67	64	-3	
WA6CGR	12	33	-17	0	-54	35	68	61	-7	
K6JEY	12	23	-34	0	-61	35	58	44	-14	
W6DQ	24	24	-29	0	-45	41	65	49	-16	
N6AX	24	29	-46	0	-64	41	70	32	-38	
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)										