

July 30,2005 SBMS/SDMG Tune Up Picnic						Range Feet	220		Path Loss dB	89
10 GHz NB										
Call	Dish size "	Output dBm	ERP PM dBm	Atten. Value dB	MDS Gen dBm	Calc Ant Gain	Calc ERP dBm	Meas ERP	Meas Calc	
KC6UQH	33	36	-6.9	20	-86	36	72	71	-1	
N9RIN	36	30		20	-40	37	67			
WB6NOA	24	33	-20	20	-66	33	66	58	-8	
KN6YR	30	22	-22	20	-85	35	57	56	-1	
W6DTA	24	37	-7.8	20	-83	33	70	71	0	
K6DYD	32	42	-2	20	-91	36	78	76	-2	
WB6DNX	36	17	-18	20	-76	37	54	60	6	
KG6EG	30	30	-14	20	-83	35	65	64	-1	
KH6WZ	24	33	-11	20	-88	33	66	67	1	
KE6HPZ (A)	18	25	-16	10	-84	31	56	52	-4	
N6RMJ(A)	23	30	-15	20	91	33	63	63	0	
N6RMJ(B)	30	30	-3	20	-94	35	65	75	10	
KB6CJZ	18	??	-25	20	-84	31	####	53	####	
WA6CGR	30	40	-3	20	-90	35	75	75	0	
WA6NIA	24	30	-21	20	-87	33	63	57	-6	
K6JEY	17dB	26	-30	20	-70	17	43	48	5	
WA6CDR	72	40	-10	30	-94	43	83	78	-5	
KJ6HZ (A)	32	30	-20	20	-82	36	66	58	-8	
KJ6HZ(B)	17 Db	30	??	20	-55	17	47	####	####	
KJ6HZ(C)omni	11	30	-27	10	-67	11	41	41	0	
24 GHZ NB										95
WB6NIA	24	20	-67	0	-34	41	61	43	-18	
W6OYJ	24	18	-54	0	-53	41	59	56	-3	
KC6QHP	12	29	-65	0	-9	35	64	45	-19	
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)										
If you see errors in the data entry columns, email corrections to w6oyj@amsat.org										