

7/21/2018 50 MHz and Up ERP/MDS Event						rev 2				
Range	390	ft								
10 GHz	62	<i>inches ideal avg height for your antenna</i>								
	95	dB Path Loss								
User Supplied Info & Expected ERP						ERP Measurement			Difference	
Name	Call	Dish size "	Calc Ant Gain	Output dBm	Calc ERP dBm	meter dBm	dB atten	Measured ERP	Meas-Calc ERP	
Jim M	N9JIM	18	30.8	41.8	73	-15.6	24	75	3	
Brian K	WA6QDP	18	30.8	42.0	73	-10.4	14	71	-2	
Oliver B	KB6BA	32	35.8	32.8	69	-12.8	14	68	-1	
Mike L	K6ML	20	31.8	34.8	67	-18.7	14	62	-4	
Chris V	N6JET	20	31.8	34.8	67	-20.0	14	61	-6	
Steve S	N6KLD	20	31.8	26.0	58	-19.8	14	61	3	
Brian W	K6OJM	24	33.3	34.0	67	-21.4	14	60	-8	
Rohan	KJ6LXV	18	30.8	24.0	55	-23.4	14	58	3	
Pete M	K6TJ	48	39.4	40.0	79	-36.4	24	55	-25	
David V	KI6CLA	12" panel	25.0	33.0	58	-26.6	14	54	-4	
David F	KK6DF	20 slot	11.2	33.0	44	-30.8	4	40	-4	
Dave F	AD6A	18	30.8	39.0	70	-34.0	4	37	-33	
User Supplied Info						MDS Measurement			Derived results	
Name	Call	Dish size "	Calc Ant Gain			signal dBm	atten dB	MDS @ Ant.	MDS @ Rx	Implied NF (500 Hz BW)
Oliver B	KB6BA	32	35.8			-39.0	30	-193	-157	-10
Jim M	N9JIM	18	30.8			-38.0	30	-192	-161	-14
Brian W	K6OJM	24	33.3			-38.0	30	-192	-159	-12
Brian K	WA6QDP	18	30.8			-34.0	30	-188	-157	-10
Mike L	K6ML	20	31.8			-33.0	30	-187	-155	-8
Pete M	K6TJ	48	39.4			-27.0	20	-171	-132	15
Steve S	N6KLD	20	31.8			-27.0	20	-171	-139	8
Chris V	N6JET	20	31.8			-26.0	20	-170	-138	9
Rohan	KJ6LXV	18	30.8			-20.0	20	-164	-133	14
David V	KI6CLA	12" panel	25.0			-29.0	10	-163	-138	9
Dave F	AD6A	18	30.8			-20.0	10	-154	-123	24
David F	KK6DF	20 slot	11.2			-20.0	10	-154	-143	4
	24 GHz									
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User Supplied Info & Expected ERP						ERP Measurement			Difference	
Name	Call	Dish size "	Calc Ant Gain	Output dBm	Calc ERP dBm	meter dBm	dB atten	Measured ERP	Meas-Calc ERP	
Oliver B	KB6BA	32	43.2	34.8	78	-19.6	0	65	-13	
Jim M	N9JIM	18	38.2	34.8	73	-27.4	0	57	-16	
Brian K	WA6QDP	18	38.2	28.8	67	-36.6	0	48	-19	
Chris V	N6JET	20	39.1	34.8	74	-44.5	0	40	-34	
User Supplied Info						MDS Measurement			Derived results	
Name	Call	Dish size "	Calc Ant Gain			signal dBm	atten dB	MDS @ Ant.	MDS @ Rx	Implied NF (500 Hz BW)
Jim on Oliver	n9jim/kb6ba	32	43.2			-26.0	20	-188	-144	3
Oliver B	KB6BA	32	43.2			-24.0	20	-186	-142	5
Jim M	N9JIM	18	38.2			-24.0	20	-186	-147	0
Brian K	WA6QDP	18	38.2			-25.0	10	-177	-138	9
Chris V	N6JET	20	39.1			-18.0	10	-170	-130	17