		user supplied		*Tx test meas*							
	7/19/2015	**50 MHz and Up ERP/MDS Event**				**Range**	**419**	**ft**	**SORTED BY Measured ERP**		
	10 GHz								**10 GHz**		
Name	**Call**	**Dish size "**	**Output dBm**	**ERP PM dBm**	**Atten. Value dB**	**Calc Ant Gain**	**Calc ERP dBm**	**Meas ERP**	**Meas-Calc**		
Gary L	AD6FP	48	40.0	5.2	20	39.4	79.4	75.2	-4.2	AD6FP	
Brian Kline	WA6QDP	18	41.8	-0.4	20	30.8	72.6	69.6	-3.1	WA6QDP	
Brian Yee	W6BY	30	40.0	-0.4	20	35.3	75.3	69.6	-5.7	W6BY	
Mike L	K6ML	20	34.8	*-2.0*	*20*	31.8	66.6	*65.9*	*-0.7*	K6ML	
Oliver B	KB6BA	18	33.0	-13.7	20	30.8	63.8	56.3	-7.6	KB6BA	
David Vieira	KI6CLA	12" panel	30.0	-15.4	20	25.0	55.0	54.6	-0.4	KI6CLA	
	ref src	std horn	29.0	*-17.0*	*13*	17.0	46.0	*46.0*	*0.0*	**ref src**	
Brian W	K6OJM	18	30.0	-22.6	0	30.8	60.8	27.4	-33.5	K6OJM	
	24 GHz								**24 GHz**		
Name	**Call**	**Dish size "**	**Output dBm**	**ERP PM dBm**	**Atten. Value dB**	**Calc Ant Gain**	**Calc ERP dBm**	**Meas ERP**	**Meas-Calc**		
Gary L	AD6FP	48	33.0	-18.4	0	46.7	79.7	46.1	-33.6	AD6FP	
Brian Kline	WA6QDP	18	27.0	-28.6	0	38.2	65.2	35.9	-29.3	WA6QDP	
Brian Yee	W6BY	30	33.0	none	0	42.6	75.6	in the noise		W6BY	
Teff	N0WYE	wg flange	9.0	none	0	4.0	13.0	in the noise		N0WYE	
	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)										