

6/2001 ERP-MDS Tests at N6IZW QTH  
(Preliminary results from N6IZW email)

I have only taken a quick look at the numbers from last night but I do believe we have about a -2 dB bias from last year on the Tx measurements. I'm basing this solely on both Ed's and Lanny's numbers being -2 dB from last year. Taking that bias into account, it still puts Art about another - 2.3 dB from last year. John was about -10 dB from last year I'll see what I can do tonight to check out the calibration of the equipment as well as get a feel for the impact of reflections and location . I had checked that in the past & didn't see much but maybe the wet grass is a different story. I'll try it dry & wet if I get the chance. The relative MDS levels were -85 dBm for Art, -80 for Ed, -75 for Lanny and -70 for John. Last year they were -90,-80,??,-80 I'll put the info on the spread sheet once I have done what I can to check out the setup. I keep thinking I should use some kind of reference source to verify the ERP setup & will work on that for the future. As I mentioned, I also plan to replace the 10 Ghz brick with a QC synthesizer to get rid of the major warmup drift problem ( not to mention power consumption).

- Kerry N6IZW -

Summary (Measurements at 10,368 MHz)

Station	MDS (dBm)	MDS (last yr)	ERP (dB)
KC6UQH	-85	-90	-4.3 from year 2000
W6OYJ	-80	-80	-2
W6AT	-75		-2
WB6BKR	-70	-80	-10