

1st Annual JCRAC UHF Shootout**Friday, August 26, 2016**

The first annual JCRAC UHF Shootout was held the evening of Friday, August 26th just before the regular meeting took place. Of special note in this first UHF Shootout was the absence of a single creative antenna solution. All antennas were either the stock rubber duck that shipped with the radio or some after-market antenna. Too bad Bill, NØYUD could not be there. Tin Foil worked well for him in the VHF Shootout. I had fully expected to see some sort of directional antenna, but, alas, it was not to be...maybe next year. This year's winner was one of only two entrants that recalled one of the most important factors in any antenna system – HEIGHT. Patrick, KEØIDD held his FT-60 as high as he could and it paid off as the winning entry. We'll hold another Shootout next February (VHF) and March (UHF), so get those antenna ideas brewing and constructed.

Special thanks to Tom, NØGSG for his assistance in measuring each radio's power output and for creating the spreadsheet and formula that enabled a level playing field for all.

Following are the procedures we followed, the rules and the final standings for all entrants.

73, Lon, KØWJ

Procedure:

1. Set transmitter to 446.000 MHz and connect it to the RF Test Set.
2. Key the transmitter and read its power output; record in the RAW POWER OUTPUT column.
3. Connect the transmitter to the antenna.
4. Key the transmitter and record the remote spectrum analyzer reading in the POWER RECEIVED column.

Rules:

1. Any hand-held radio may be used regardless of power output.
2. Any antenna may be used so long as it measures no more than 3'x3'x3'.
3. Counterpoises may be used as long as they are solely supported by the radio.
4. You may orient the antenna any way you want.
5. The highest recorded signal strength will be declared the winner.

Finish Order	Call	Name	Radio Model	Antenna Description SD = Stock Duck	Raw Power Output (Watts)	Power Output (dBW)	Actual Received Power (dBm)	Receive Power - Corrected (dBm)
1	KEØIDD	Patrick	FT60	SD	4.18	+ 6.21	-1.1	- 7.31
2	NØGSG	Tom	TYT MD390	SD	1.1	+ 0.41	-7.7	- 8.11
3	K6TBJ	Rod	TYT MD380	SD	4.15	+ 6.18	-2.1	- 8.28
4	KYØF	Eddy	FT2D	Nagoya NA771	4.35	+ 6.38	-2.7	- 9.08
5	ADØAB	Jamie	FT1D	SD	4.371	+ 6.41	-7.1	- 13.51
6	ADØAB	Jamie	FT60	SD	4.15	+ 6.18	-7.7	- 13.88
7	ADØAB	Jamie	FT60	Comet 2 Band Handi	4.15	+ 6.18	-7.7	- 13.88
8	K6TBJ	Rod	UV5R	Nagoya NA771	2.5	+ 3.98	-11.1	- 15.08
9	KB8TR	Jay	ADI AT600	SD	2.631	+ 4.20	-19.8	- 24.00
10								0.00