

**2014 Johnson County Radio Amateur Club Mobile Shootout  
Mobile Shootout Entrant Data and Official Score Sheet**

The JCRAC first Annual Mobile Shootout took place on Friday evening, June 13, 2014 in the parking lot of the Overland Park Christian Church located at 75th and Conser in Overland Park, KS – our regular meeting location. The receive site, located more than two wavelengths from the participant transmit location, utilized a Hamstick on a tripod putting the base of the Hamstick at fourteen feet. There were two, resonant radials attached to the Hamstick mount and these, along with a one microhenry matching coil at the base of the Hamstick, yielded an SWR of 1.2:1. The measurement device was a GW Instek GSP-730 Spectrum Analyzer which provided values specifically in dBm as an output.

At the transmit site, a Bird Watt Meter was placed between each participant's antenna and transceiver. Participants were then directed to dial their rigs back to precisely 20 watts before testing commenced.

All testing took approximately sixty-five minutes and after tear-down of the receive site equipment, the regularly scheduled club meeting began as scheduled.

A huge thank you goes out to Tom, WØGSG who ran the receive site and provided all of the setup configuration for the Spectrum Analyzer which resulted in a great user experience for all participants. Thank you so much, Tom.

Special thanks also goes to Aaron, AAØRN for his loan of a handie-talkie used to communicate all of our coordination efforts with the receive site . In addition, Aaron provided a lot of pictures of participant mobile setups. I think we made a great decision to railroad him into our club's VP position for the upcoming year!!! Thanks a bunch, Aaron.

I hope everyone had a great time at the Shootout and that if you didn't participate this year, will consider participating next year. In addition, I hope the participants took something away from the Shootout in the form of what you can do to improve on your scores for next year. Certainly, if you have any specific questions, feel free to ask. This winter, we will be holding an INDOOR shootout for hand-helds on 2 Meters and 440 MHz. That should also prove interesting. Rules will be forthcoming, so be on the lookout. If you have any suggestions for the rules committee to consider, please don't hesitate to suggest them. I am not aware of ANY VHF/UHF Hand-Held Shootouts that have happened, so I think JCRAC will be a pioneer. These are the kinds of innovations that cause club growth, so tell your friends.

Entrant #	CallSign	Name	Vehicle Yr/Model	Antenna Model	Mast Length	Whip Length	Cap Hat Configuration	Mounting Location	Score in dBm		
7	KCØCL	Cal	2008 Ford Escape	Scorpion SA680	39"	48"	48" Diameter Rounded 3-Leaf Clover at the Top of Mast	Driver's Side Rear on a Home Brew'd Tubular Steel Structure	4.9	}	1 <sup>st</sup> Place Tie
8	NZØF	Herb	2012 Honda Pilot	Hamstick	-	-	None	Driver's Side Rear Roof	4.9		
2	WAØCBW	Bill	2008 Highlander	Loaded Hustler	-	24"	None	Driver's Side Rear Quarter Panel	2.9		3 <sup>rd</sup> Place
4	WAØYCY	Gil	2004 Jeep Grand Cherokee	Hamstick	-	-	None	Passenger's Side Hatch Back Lip	-0.1		4 <sup>th</sup> Place
9	AAØRN	Aaron	1995 Jeep Cherokee	Hamstick	-	-	None	Passenger's Side Hood Lip	-1.1		5 <sup>th</sup> Place
6	KEØQM	Dennis	2012 Toyota Tacoma	Hustler	60"	36"	None, but used another 40 Meter Hustler as a Radial	Bed Center front Rail	-2.1		6 <sup>th</sup> Place
11	KDØTXA	Brad	1998 Chevy Silverado 1500	Hamstick	-	-	None	Passenger's Side Hood Lip	-5.1		7 <sup>th</sup> Place Tie
10	WJØX	Jay	2012 Kia Sorento	Atas 120A	20"	44"	None	Driver's Side Rear Top of Hatch Lip	-5.1		7 <sup>th</sup> Place Tie
3	WAØJRJ	Jerry	2006 Cadillac	Hamstick	-	-	None	Passenger's Side Rear Trunk Lip	-6.1		9 <sup>th</sup> Place
1	WAØCBW	Bill	2008 Highlander	102" Whip w/Tuner	-	102"	None	Driver's Side Rear Quarter Panel	-11.1		10 <sup>th</sup> Place
5	NØYUD	Bill	2013 Ford Edge	Home Brew'd Hustler Type	48"	48"	None	Driver's Side Rear Frame Extending Toward Back	-30.1		11 <sup>th</sup> Place