

*3905 Century Club*  
*2010 Miss-Lou Eyeball*  
**9<sup>th</sup> Annual Mobile Shootout**

This year's Mobile Shootout was held on June 12, 2010 at 10:00 AM in Vidalia, LA. There were a total of 19 participants and 10 different brands of antennas. As in the past, the installations were interesting and varied. Of special interest was the installation of the Scorpio antenna on Fred, WB1I's Honda Accord. He utilized a large square of half inch thick aluminum which was attached to the luggage rack on the roof. The plate was well-bonded to the roof with silver coated copper braid at the four corners. The installation demonstrated very well Fred's understanding of proper installation techniques and his score backed that up. Many of the lower scoring entries can be traced directly to improper installation techniques such as low mounting on trailer hitches where ground losses are high, small main coils with low "Q", as well as main coils near vehicle sheet metal as a cause for even more losses. I do not make that statement disrespectfully, just as a matter of observation and fact. After all, the ultimate test of a mobile installation is whether or not you can hear and be heard and everyone in the shootout has made contacts on the nets at one time or another – it's just a matter of what you would rather hear, "Nothing Heard" or a 3-3 (that's the difference between last and 1<sup>st</sup> place).

New this year is a column that indicates the difference in dB between each individual score and the high score. Keep in mind that if 6dB is one S-Unit, the low score, in reality, would only be two S-Units down from the high score. Of course even one S-Unit can mean the difference between being heard and not being heard if your signal is at or below the noise level.

Also new this year, after the first table which includes all participants, are three additional tables which make it easy to compare the results of similar types of antennas. Hopefully this will make it easier to compare your antenna to the leader in your particular group.

If you want to maximize your mobile signal, please visit <http://www.k0bg.com/> and follow Alan's instructions; he knows what he's talking about.

Special thanks to Ray, K5RFF for helping out Doug, W0WSP and taking so many pictures of the entrants mobile setups. Those pictures will be very informative for anyone wanting to compare their particular mobile setup with other similar setups to see what may have made the difference.

Also thanks go to Bill, N3WD and Dwayne, KD4POJ for help with the scoring.

A huge thank you to Doug, W0WSP who moved the test setup from vehicle to vehicle in 95+ degree, 80% humidity weather – this was not an easy task, but Doug's involvement was critical to the success of the shootout and I thank him very much.

Test Order	Call	Antenna	Vehicle	Mount	Score	dB Down From the High Score
1	K4WIT	Atas 120	2004 Durango	Driver's side mid-hatch	140	6.19
2	KC4YBO	Tarheel 200A w/6' Whip	1999 Town & Country Minivan	Trailer Hitch	465 3 <sup>rd</sup> Place	0.97
3	WB1I	Scorpion SA-6160	Honda Accord	Mid Roof	503 2 <sup>nd</sup> Place	0.63
4	KZ3AB	Tarheel 400A	2003 Chevy Tahoe	Driver's side bumper on a high bracket	270	3.34
5	N3WD	Little Tarheel	2002 Pontiac Bonneville	Mag mount on trunk lid	203	4.57
6	N0AXZ	Little Tarheel	2003 Chevy Silverado	Driver's side bed rail behind cab	77	8.78
7	KB3PU	Tarheel 200A	2003 Honda Accord XL	Trailer Hitch	434	1.27
8	KC0MS	Hamstick	2009 Honda Accord LX	Diamond K400-3/8C Trunk/Hatchback Mount mid trunk lid	327	2.5
9	N7JY	DK3 Screwdriver	1983 Chevy Suburban	Driver's side bumper	380	1.85
10	W8NET	Hustler	2007 Ford F-150	Trailer Hitch	34	12.33
11	KD4POJ	Hi-Q 5/160 w/Large Eggbeater Cap Hat	Full Size Pickup	Center Bed rail behind cab	283	3.13
12	KI4WCQ	Hamstick	2006 GMC Sierra	Driver's Side Rear Bed Rail	358	2.11
13	VE4HQ	Hustler	2006 Pontiac Montana	Trailer Hitch	172	5.29
14	W5IL	Hamstick	2010 Ford Explorer	Mid Roof on Mag Mount	169	5.37
15	KS9WI	Hamstick w/Hamstick Radial	2008 Buick	Elevated Trailer Hitch	458	1.04
16	KA8AXY	Predator	2001 Ford F-250	Trailer Hitch	364	2.04
17	WT0A	DK3 w/24" Cap Hat	Full Size Pickup	Passenger Side Rear Bed Rail	430	1.31
18	AJ4IM	Hamstick	2005 Ford F-150	Driver's Side Rear Bed	303	2.83
19	K0WJ	Scorpion SA-680 w/3' Cap Hat	2008 Chevy Silverado	Mid Bed	582 1 <sup>st</sup> Place	0

## Tarheel Antennas

						dB Down from KC4YBO
2	KC4YBO	Tarheel 200A w/6' Whip	1999 Town & Country Minivan	Trailer Hitch	465 3 <sup>rd</sup> Place	0
7	KB3PU	Tarheel 200A	2003 Honda Accord XL	Trailer Hitch	434	0.3
4	KZ3AB	Tarheel 400A	2003 Chevy Tahoe	Driver's side bumper on a high bracket	270	2.36
5	N3WD	Little Tarheel	2002 Pontiac Bonneville	Mag mount on trunk lid	203	3.6
6	N0AXZ	Little Tarheel	2003 Chevy Silverado	Driver's side bed rail behind cab	77	7.81

## Hamstick Antennas

						dB Down from KS9WI
15	KS9WI	Hamstick w/Hamstick Radial	2008 Buick	Elevated Trailer Hitch	458	0
12	KI4WCQ	Hamstick	2006 GMC Sierra	Driver's Side Rear Bed Rail	358	1.07
8	KC0MS	Hamstick	2009 Honda Accord LX	Diamond K400-3/8C Trunk/Hatchback Mount mid trunk lid	327	1.46
18	AJ4IM	Hamstick	2005 Ford F-150	Driver's Side Rear Bed	303	1.79
14	W5IL	Hamstick	2010 Ford Explorer	Mid Roof on Mag Mount	169	4.33

## All Other Motorized Screwdriver Types

						dB Down from K0WJ
19	K0WJ	Scorpion SA-680 w/ 3' Cap Hat	2008 Chevy Silverado	Mid Bed	582 1 <sup>st</sup> Place	0
3	WB1I	Scorpion SA-6160	Honda Accord	Mid Roof	503 2 <sup>nd</sup> Place	0.63
17	WT0A	DK3 w/24" Cap Hat	Full Size Pickup	Passenger Side Rear Bed Rail	430	1.31
9	N7JY	DK3 Screwdriver	1983 Chevy Suburban	Driver's side bumper	380	1.85
16	KA8AXY	Predator	2001 Ford F-250	Trailer Hitch	364	2.04
11	KD4POJ	Hi-Q 5/160 w/Large Eggbeater Cap Hat	Full Size Pickup	Center Bed rail behind cab	283	3.13
1	K4WIT	Atas 120	2004 Durango	Driver's side mid- hatch	140	6.19