

# 2021 Mobile Antenna Shootout Recap

After almost three years of preparation and two years of false starts, the Florida-based dynamic duo of **Dwight Greenberg, WF4H**, and **Ben Goldfarb, AE4NT**, conducted a successful Mobile Antenna Shootout at the Eyeball gathering in Louisville, Mississippi at 9:00 AM on July 17, 2021. Thirteen competitors vied for the coveted Top Gun award on a perfect morning at a private airfield outside Starkville generously provided by **Doug Camp, K5BAK** under the auspices of Eyeball Host **Kirk Frazier, AA1NA**.

Significant contributions by a volunteer crew including **Fred Caswell, K1UU**; **David Feeney, WN1F**; **Jenny Goldfarb, KM4NEK**; and **Rusty Kirkpatrick, WU2T** enabled the event to run smoothly, exceeding expectations. With their excellent coordination, we were able to line up contestants, check their power output, bring them to the transmitting position, and measure and record their signals efficiently with time to spare. Despite the 45-minute return trek to Louisville, all of us were back in time for lunch.



The receiving station was run by Ben, AE4NT, along with Spreadsheet Queen Jenny, KM4NEK. Fred, K1UU, and Rusty, WU2T (who was also designated event photographer) managed the traffic to the transmitting line, along with Dwight, WF4H, and David, WN1F, who measured each station's output power. Each station transmitted three unmodulated test signals at the required output power of thirty watts on the chosen frequency of 7.268 MHz. After each two competitors' results were recorded, control station WF4H transmitted a test signal to determine whether changing conditions required the application of an adjustment factor.

Kudos to the top finishers! **Jim Higgins, KB3PU** won Top Gun this year, followed by Big Gun **James Hunt, K15DQ**, and Son of a Gun **Frank Drewes, KK5XX**. Condolences to the misfiring last place finisher, who was testing a new installation on his Jeep, Pop Gun **Doug Roberts, NE0A**. Full results are presented below.

<b>FINISH</b>	<b>CALL/NAME</b>	<b>ANTENNA</b>	<b>VEHICLE</b>	<b>ANTENNA LOCATION</b>	<b>SIGNAL (dBm)</b>	<b>dB Down from Top Gun</b>
<b>1<sup>st</sup></b> TOP GUN	<b>Jim Higgins, KB3PU</b>	Tarheel 200A	Honda Accord LX	Hitch, Center Rear	-46.47	0.00
<b>2<sup>nd</sup></b> BIG GUN	<b>James Hunt, KI5DQ</b>	Tarheel 100A	Chevy Colorado	Truck Bed	-46.67	0.20
<b>3<sup>rd</sup></b> SON OF A GUN	<b>Frank Drewes, KK5XX</b>	Tarheel 200A-HP	Mitsubishi Outlander	Trailer Hitch	-47.23	0.77
<b>4<sup>th</sup></b>	<b>Fred Caswell, K1UU</b>	Scorpion SA6-160	GMC Sierra	Home Brew Actuator Mount	-47.60	1.13
<b>5<sup>th</sup></b>	<b>Mike Rush, KU1V</b>	Hamstick	Volvo S60	Mag Mount	-47.67	1.20
<b>6<sup>th</sup></b>	<b>David Feeney, WN1F</b>	Scorpion SA-680	Ford F250	Breedlove Mount	-47.77	1.30
<b>7<sup>th</sup></b>	<b>Dwight Greenberg, WF4H</b>	Scorpion SA-680	Toyota Tacoma	Bolt-In	-48.40	1.93
<b>8<sup>th</sup></b>	<b>Doug Wittich, N3VEJ</b>	Little Tarheel II	Honda Odyssey	Mag Mount	-49.23	2.77
<b>9<sup>th</sup></b>	<b>Gary Slagle, K9GWS</b>	Diamond D330	Hyundai Santa Fe	Permanent	-49.67	3.20
<b>10<sup>th</sup></b>	<b>Tim Force, N8TF</b>	Ameritron SDC-100	Ram 2500	Bull Bar	-50.03	3.57
<b>11<sup>th</sup></b>	<b>Dave Yarbrough, AI4K</b>	Hamstick	Hyundai Santa Fe	Mag Mount	-53.83	7.37
<b>12<sup>th</sup></b>	<b>Donald Dison, WW5DD</b>	Hustler	Ram Pickup	Homebrew	-56.37	9.90
<b>13<sup>th</sup></b> POP GUN	<b>Doug Roberts, NE0A</b>	Little Tarheel II	Jeep Wrangler	Lip Mount	-59.33	12.87