

Evolution of a Shack

Antenna Update

DAVE VE3OOI

DEC 2020

LONG WIRE ANTENNA

- ICOM AH-4 Remote Antenna Tuner
- 203 Feet of wire attached to wooden fence about 6 feet in height for testing
- About 100 Sq Ft of Chicken Wire Ground
- 4 Foot ground spike
- Two ~8 foot radials (Wire I had on hand)

LONG WIRE ANTENNA “GROUND”



LONG WIRE ANTENNA



SAFETY? We don't need no stinking safety!



This is a test! Not permanent antenna

SAFETY? We don't need no stinking safety!



TEST SETUP

- Ran CW “TEST DE VE3OOI K” messages from DM780
- Ran WSPR from WSJT software
- EXTREMELY favourable results
- NO cats or squirrels fried during the test



RESULTS

de	dx	freq	cq/dx	snr	speed	time
NC7J	VE3OOI	24924.9	CW CQ	6 dB	20 wpm	1740z 12 Dec
de	dx	freq	cq/dx	snr	speed	time
WA7LNW	VE3OOI	21070.8	CW CQ	2 dB	20 wpm	1738z 12 Dec
NC7J	VE3OOI	21070.9	CW CQ	6 dB	21 wpm	1737z 12 Dec
de	dx	freq	cq/dx	snr	speed	time
K9TM-4	VE3OOI	14020.0	CW CQ	4 dB	20 wpm	1730z 12 Dec
F8DGY	VE3OOI	14019.9	CW CQ	7 dB	19 wpm	1730z 12 Dec
VE6WZ	VE3OOI	14020.0	CW CQ	5 dB	20 wpm	1730z 12 Dec

RESULTS

W8WTS	VE3OOI	3530.0	CW CQ	4 dB	20 wpm	1728z 12 Dec
W2AXR	VE3OOI	3530.0	CW CQ	14 dB	20 wpm	1727z 12 Dec
K9LC	VE3OOI	7031.0	CW CQ	13 dB	20 wpm	1726z 12 Dec
KM3T-2	VE3OOI	7031.0	CW CQ	18 dB	20 wpm	1725z 12 Dec
KM3T	VE3OOI	7031.0	CW CQ	17 dB	20 wpm	1725z 12 Dec
K9IMM	VE3OOI	7031.0	CW CQ	8 dB	21 wpm	1725z 12 Dec
W3OA	VE3OOI	7031.0	CW CQ	11 dB	20 wpm	1725z 12 Dec
W1NT-2	VE3OOI	7031.0	CW CQ	6 dB	20 wpm	1725z 12 Dec
WS3W	VE3OOI	7031.0	CW CQ	19 dB	21 wpm	1725z 12 Dec
KD2OGR	VE3OOI	7031.0	CW CQ	7 dB	20 wpm	1725z 12 Dec
WC2L	VE3OOI	7031.0	CW CQ	6 dB	20 wpm	1725z 12 Dec
OL7M	VE3OOI	10120.0	CW CQ	3 dB	20 wpm	1724z 12 Dec
F6IIT	VE3OOI	10119.9	CW CQ	6 dB	20 wpm	1723z 12 Dec
VE6WZ	VE3OOI	10120.0	CW CQ	3 dB	21 wpm	1723z 12 Dec
VE7CC	VE3OOI	10120.0	CW CQ	4 dB	20 wpm	1723z 12 Dec
WE9V	VE3OOI	10120.0	CW CQ	5 dB	20 wpm	1723z 12 Dec
W3OA-2	VE3OOI	10120.0	CW CQ	15 dB	20 wpm	1723z 12 Dec
TF4X	VE3OOI	10119.9	CW CQ	8 dB	20 wpm	1723z 12 Dec
W9XG	VE3OOI	10120.0	CW CQ	1 dB	20 wpm	1723z 12 Dec

CONTACTS

Contact	Freq	SNR	Country	Azim	Distance
W3BI	7074	4	Pennsylvania	124	492
W4AFJ	7074	13	Virginia	150	693
VE3POA	5359	4	Kingston	67	327

THE BAD NEWS



- Very noisy
- Safety?

Stay Tuned: Follow-up Presentation Regarding Long Wire Antenna

FIN



Stay Safe