

K5AF Dipole versus Inverted L/FCP 160m Antenna A/B Test

K5AF's antenna farm in San Antonio, TX is a 75' x 100' corner city lot with a general purpose dipole that can be tuned on Top Band. While the dipole allowed Paul to work 70 countries during the past five years he decided to install an Inverted L and FCP with isolation transformer along a fence at the back of his property. The Inverted L has a 40' vertical and meandering 90' low horizontal wire; the FCP is approximately six feet above ground.



A/B Antenna 100 watt comparison tests results are impressive. Reverse Beacon Network (RBN) signal to noise ratio (SNR) analysis confirms it is now possible for most any antenna farm challenged city lot dweller to enjoy Top Band by employing a K2AV FCP and Isolation Transformer with even a modest Inverted L or other vertical antenna.

RBN results show K5AF's Inverted L/FCP has an average 7dB transmitting advantage over his dipole.

RBN RCVR	QTH	Ant A Dipole	Ant B INVL	dB
K3LR	PA	16	26	10
N0TA	CO	19	25	6
K8ND	OH	17	24	7
WZ7I	PA	14	23	9
KM3T	NH	6	22	15
WA7LNW	NV	15	21	6
NY3A	PA	8	17	9
NC7J	UT	7	12	5
N4ZR	WV	5	8	3
W3LPL	MD	6	6	0
			AVG	7