



ARRL TEST REPORT: Spurious Emission

Call sign: K2WH Date: 5/17/14
Manufacturer: ICOM Model: IC-215

Power Output: (Band 1), 3W (Band 2) _____

Maximum Allowable Spurious Emission: _____ / _____ dBm (Band 1/2)

Band 1 2m Bands 2: _____

2nd Harmonic Level: -60 dBm _____ dBm

3rd Harmonic Level: <-70 dBm _____ dBm

4th Harmonic Level: " dBm _____ dBm
"

Highest Spur Level: _____ dBm _____ dBm

Passed FCC Standards _____ Failed FCC Standards _____

ARRL Test Engineer(s): Bob Allison WB1GCM

** FCC Part 97.307(e) The mean power of any spurious emission from a station transmitter or external RF power amplifier transmitting on a frequency between 30–225 MHz must be at least 60 dB below the mean power of the fundamental. For a transmitter having a mean power of 25 W or less, the mean power of any spurious emission supplied to the antenna transmission line must not exceed 25 μ W and must be at least 40 dB below the mean power of the fundamental emission, but need not be reduced below the power of 10 μ W. A transmitter built before April 15, 1977, or first marketed before January 1, 1978, is exempt from this requirement.*

Minimum Suppression Needed:

6W=53.8 dB, 5W=53 dB, 4W=52 dB, 3W=50.8 dB, 2W=49 dB, 1W=46 dB, 100mW=36 dB.

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