

KPA500 Radiated Emissions Report

The KPA500 meets the provisions of Part 2.1053 and the limits of Part 97.317 and 97.307. The KPA500 was operated at its rated output of 500W into a non radiating load and tested for radiated spurious emissions per the test procedures of TIA-603-D section 2.2.12.

Tests were performed at the Atlas Compliance 10m outdoor test range, FCC Measurement Facility Registration number 90452.

KPA500 serial number 0000 was tested.

Range test equipment: HP8546 spectrum analyzer, Chase 6141 bilog test antenna (receive side).
Substitution test side: HP8468A Signal Generator, Chase 6112 bilog antenna.

All spurious emissions were better than 20dB below the applicable limits except for one test point, listed below.

Fundamental	Spurious	Equivalent Amplitude	Margin to Specification	Notes
52.000MHz	104.0MHz	-20.6dBm	-17.6dB	Vertical polarization



Unit under test with dummy load



Unit under test with dummy load



6141 receive antenna on height-adjustable pole



Signal substitution signal generator and 6112 bilog antenna