

1.0 Spurious Emissions At Antenna Terminals

The radio frequency power generated within the equipment and appearing on a spurious frequency shall be measured at the output terminals.

1.1 Test Procedure

The EKO-19 extender was operated with 30dB attenuators connected to the antenna port then connected to an HP-8566B spectrum analyzer. A CW signal was input to the EKO-19.

1.2 Test Criteria

Section 24.238 states that on any frequency outside a frequency block, the power of any emission shall be attenuated below the transmitter power by at least $43 + 10 \log(\text{power})$ dB. The limit, at the operating power of the EKO-19 extender is -13 dBm.

1.3 Test Results

Spurious emissions outside of the allowed frequency block were below the -13 dBm limit.