

Frank, This letter should explain the confusion of the RF power input vs. output for this device. This EUT is a Tower Top Power Amplifier for use with GMSK modulation of FCC Pt. 24 Subpart E transmitters. It is used to recover the losses of a signal from the Base Transceiver Station (BTS, at the base of the antenna tower) to the Antenna (on the tower at some location above the BTS). This device can amplify all signals by 7dB.

Base stations connected to this device will have power at the block edges that is restricted to comply with the emission limitations of 24.238. The maximum RF power input at the block edges in order for this device to comply with 24.238 is 34.6dBm. All other channels can accept a signal of 36dBm and still comply with the emission limitations. The 34.6dBm input will produce an output at the block edges of 14 Watts. The 36dBm input will produce an output of 20Watts.

We have provided supplemental data to show the compliance at 20Watts output for this device at channels other than the block edges. This information is contained in the revised report titled EMI1313a rev 1.pdf, with changes to pages 4, 5, 10 and 11.