



Arizona Broadcast Engineering Services

April 25, 2016

RE: K246CO, Kingman, AZ (FIN: 156483) FCC Permit file number BMPFT-20160419ABK

On April 24, 2016 RF power density measurements were performed around the new transmitter site of K246CO, pursuant to SOC #3 of BMPFT-20160419ABK, with the translator operating at authorized power, to ensure RF levels do not exceed the recommended guidelines for human exposure.

A Narda NBM-550, serial number E-0652, and RF shaped probe EA5091, serial number 01149, calibration valid to December 2nd, 2016, were utilized to perform the measurements. Spatial averaging was employed to sample RF levels by slowing moving the probe over a vertical distance to simulate the vertical cross section of a human body.

This site is located in a very remote, rural area. Access to the site is restricted by a locked gate over a mile from the base of the tower. The road is only passable with an appropriate 4-wheel drive vehicle. Steep, virtually impassable terrain encompasses the site from the other directions. RF warning signs are posted on the gate, and at the base of the tower.

Measurements were recorded directly under the transmit antenna, and at regular intervals and azimuths around the transmit antenna. In addition, a general sweep of the area was performed out to 100M of the antenna, terrain permitting, to ensure RF levels throughout the area were within the MPE limit for a public/uncontrolled area. The highest RF levels obtained were less than 70% of the MPE level of .2 mW/cm² for general population/uncontrolled exposure.

In light of the findings of this survey, we respectfully submit the special operating condition # 3 of FCC Permit file number BMPFT-20160419ABK has been fulfilled.

I have been a broadcast engineer for over 20 years.

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