

Environmental Effects

Educational Media Foundation (“EMF”) certifies that K258AB complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

The RF worksheet in the Instructions to form 303-S was unusable to determine compliance for this facility because of the worst-case nature of the worksheet. Therefore, EMF did an on-site RF study to determine compliance for this site.

On May 20, 2020, Scott Mearns, Engineer for Educational Media Foundation, used EMF’s “shaped probe” Narda RFR measurement equipment¹ to evaluate radiofrequency exposure compliance at the K258AB transmitter site. The K258AB was operating at its fully permitted effective radiated power of .25kw while these tests were made.

K258AB is located on a building rooftop. RF measurements were taken on the rooftop, obstacles permitting. The probe was slowly swept between 1-2 meters above the ground, as well as approximately 1 meter side-to-side, seeking, and noting, the highest overall readings.

The rooftop is a very controlled occupational environment. Access to the roof is through a locked door. Areas close to the transmit antenna were noted to be over the limit for a controlled environment. These areas have been appropriately labelled with RF Warning Signs. A safety program has been implemented.

Based on this evaluation, K258AB fully complies with the FCC’s maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

¹ Instrument: Narda NBM-550, Serial Number B-0755, Device Calibration Due Date 04/01/2021

Probe: Narda EA5091, Serial Number 01057 Device Calibration Due Date 04/04/2021