



Compliance with Special Operating Condition for RF Hazard

ARN 0000188795 – Facility 27983

In order to comply with the RF hazard special operating condition, RF field measurements were taken around this facility. All emitters were on the air at the time of the measurements. The measurements were conducted with a Narda model NBM 550-S RF Broadband Field Meter serial number H-1282 with an EA-5091 probe serial number 01029, rented from TRS equipment rental. Calibration was performed September 12, 2022, and is not due until September 11, 2024. The calibration certificate number is 2022001006.

Field measurements were conducted and documented around the base of the tower, enclosure, at several points along the path leading to the enclosure, and at several locations along the antenna azimuth of K293DA. A general sweep of the entire area was also performed to identify and document any hotspots that may be present.

Field measurements identified the greatest RF power density resulting from the combination of all emitters occurs at a distance of 1 meter from the mounting pole of another antenna and represents less than the maximum allowable GPE of $200 \mu\text{W}/\text{cm}^2$; therefore, although fencing is provided, it is not required to protect the general population from uncontrolled RF emissions. Furthermore, this facility is located in a very remote area of Clark County on Spirit Mountain with road access restricted by a locked gate. The unimproved road is very steep and in poor condition and is accessible only with 4 wheel drive vehicles. Warning signs are posted on the tower and other locations throughout the site. Therefore this site meets all the requirements of the RF hazard special operating condition attached to the underlying construction permit.

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