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RFR Exposure Statement in Reference to Condition 2 of the
Auxiliary Construction Permits for KJMQ (0000152024), KITH (0000152025) & KTOH (0000152026)

I am Radio Broadcast Engineer servicing, the Hawaiian Islands. I have over 28 years of experience. I am also the Chief Engineer for FM stations KJMQ, KITH and KTOH. I conducted the required radiofrequency radiation (RFR) measurements as specified in Condition 2 of the referenced auxiliary construction permits. It is noted that all 3 auxiliary stations are authorized to operate from the same building rooftop using separate 1-bay nondirectional (ND) antenna systems. As such, the RFR measurements were made with all 3 stations operating at full authorized power.

The RFR measurements were made utilizing a NARDA electromagnetic survey meter model NBM- 550 (s/n A-0228, calibrated 5/31/23) along with a Narda isotropic shaped electric field probe model EF-0392 (s/n D-0222, calibrated 9/19/22).

The RFR measurements were made on the afternoon of March 1, 2023 while operating with the transmitters output power at a sufficient level to provide an ERP of 250 Watts as specified in each station's construction permit. Measurements were made directly underneath and in the immediate vicinity of the radiating antennas and subsequently on the floor directly below in the area of the antennas (controlled areas) and, additionally, in other areas as specified in Condition 2. It was determined that the measured RFR levels at all areas on top of the roof of the building were well below the limits for human exposure set forth in OET Bulletin No. 65, Edition 97- 01, August 1997 for a controlled area. Furthermore, at no points accessible to the public (uncontrolled areas) were the measured RFR levels in excess of the uncontrolled limit. Furthermore, the roof is sealed off by a locked hatch, and there is no other way to the top of the roof. In conclusion, the RFR levels did not exceed the FCC's Rules for Human Exposure.

March 1, 2023


Robert Mumm