

COMPLIANCE WITH SPECIAL OPERATING CONDITIONS

The applicant recognizes the responsibility to reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

Special Operating Condition #2: The attached spurious emission measurements taken by Robert C. Mumm, engineer for Hochman Hawaii Publishing, Inc., indicate that the authorized KRYL operation complies with the spurious emission requirements of Section 73.317.

Special Operating Condition #3: An AAT model SF-M-4HW (EPA Type 3, opposed “U” dipole), 4 sections, half wavelength spaced antenna was installed as specified in the application for construction permit (File No. 0000189314). Therefore, compliance with Condition 2 and the FCC radiofrequency electromagnetic field exposure guidelines is provided.



Certification of Spurious Emissions KRYL

FCC Construction Permit 0000189315

An American Amplifier Technologies (AAT) model FM-500 transmitter was installed at the site specified in Construction Permit, FCC File No. 0000189315.

The current and combiner are tuned to 106.5 MHz (KRYL) and 97.3 MHz (KRKH). The antenna is an AAT model SF-M-4HW (4-bay) and the combiner is an AAT model C-IR-5-3-7K-N.

Measurements were made using a calibrated Tektronix Model 2232 Spectrum Analyzer. This instrument was set to cover 88.7 MHz to 107.9 MHz.

No spurious emissions were found. Furthermore, any out of band emission exceeded the 80 dB levels below the fundamental frequency.

The measurements were made with all stations simultaneously using the shared antenna.

The above stated measurements were performed by Robert Mumm. This Certification states a true and accurate representation of the RF levels and conditions as stated in the underlying construction permit, and are fully complied with, at the Haleakala site.

6/18/2022

Robert C Mumm

Engineer for Hochman Hawaii Publishing, Inc.