

# Special Operating Conditions

## 1 Other Users of the Site

The permittee, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site from radiofrequency electromagnetic fields in excess of FCC guidelines.

## 2 Antenna

The licensee has installed a 3-bay, 0.5 wave spaced antenna. Having installed the authorized type and size of antenna, automatic program tests are authorized.

## 3 Warning Signs

The site is atop a remote mountain on the Island of Kauai, Hawaii. The terrain is extremely rugged. There is no road access or trail access. When radio personnel go to the site, they must be taken and returned via helicopter. The terrain is adverse for hikers. There is one path (local only) between the nearby helipad and the site.

There are two warning signs. The first sign is on the only path from the helipad to the site. It is located 50 feet from the transmitter site. A second sign is mounted on the supporting structure. The signs read:

“Caution! Beyond this point:  
You are entering a radio frequency RF emissions controlled area.  
RF emissions exceed FCC uncontrolled/general population  
exposure limits. RF trained personnel only beyond this point.”

## 4 Spurious Emissions

On October 10, 2012 Chris Meadows, Station Engineer, performed intermodulation and spurious emissions measurements using an Anritsu Spectrum Analyzer, MS2711D, Serial Number 00415057. Measurements were made with all stations sharing the joint combiner on the air: KJMQ, KITH, and KTOH. All stations operated at full operating power as specified in their individual construction permits. Any spurious emissions were at least 83 dB below the unmodulated carrier level. Attached are the spectrum graphs for the fundamental and second harmonic frequencies.

## 5 Booster

KTOH-FM1 has been turned off. Simultaneous with this filing, a request for cancellation of the booster license is being filed.