228 Ambassador Drive
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November 18, 2009

Stanley Lyles
FCC Application Processing Branch
Office of Engineering and Technology

Re: FCC ID BZ5MXI802UD (currently requested to change to BZ5MXI802U);
Correspondence Reference Number: 38329

Dear Sir:

With regards to the questions posed:

1) With regards to the discrepancy between the requested equipment rating and the actual measured power reported in the test report, the difference between the requested power rating of 325W and the measured power of 355W represents a 9% variation (0.38 dB). The accuracy of the equipment used to calibrate the probe section used to measure the power level of the equipment is ±5% (0.21dB) and typically the accuracy of field equipment used by our customers to measure the power levels in practice can be upwards of 15% (0.6dB). Further, the readout resolution of the spectrum analyzer band-power measurement function was to the tenth of a dB and did not offer the resolution required for better than 5% accuracy. LARCAN typically designs its equipment with a minimum of 10% headroom for discrepancies in field measuring equipment. If required, we can simply repeat the measurement with the lower power. Please advise.

2) Please revise the form 731. This is an oversight on our part.

   a) Tests were done on channel 27 with the exception of frequency stability tests, performed on channel 44. We feel that these are sufficiently representative of the performance of this product at any frequency/channel.
   b) As detailed in the Parts List and Tune-up Procedure exhibit, no component changes other than the re-tuning of the output bandpass filter are required for operation on any channel within the product's frequency range.

I hope that this addresses the items of concern with this submission and will allow further processing of this application. Should you have any further concerns, please do not hesitate to contact me.

Sincerely,

John Tremblay
V. P. Engineering

LARCAN
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