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Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

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References: FCC Requests: 11368
 FCC ID: HZB-U58-45
 Form 731 Confirmation: EA94823

Dear Mr. Czumak:

This is in response to your request 11368 regarding our U-NII radios in application.

1. To expedite the approval process, we have decided to accept 23dBi as the maximum antenna gain without output power reduction. For any antenna gain higher than 23dBi, the output power will be reduced on a one to one basis. Please find in the attached the modified manual page for instructions of maximum output power adjustment based on antenna gains.
2. We verified your test result for the output power of the radio. The measurement from a digital power meter is a few dB lower than that taken from the spectrum analyzer plus the correction and is reflective of our original measurements. We share your curiosity about why the difference exists, and would like to discuss and research with you on this issue in the future independent of the equipment approval. This issue appears to be one related to the equivalency of the measurement methods that are accepted by the Commission and relates to test equipment theory, not the approval of this device. For the test results taken either from a power meter or from a spectrum analyzer with settings as you used, the HZB-U58-45 equipment is compliant with the FCC +30dBm output power limit. We are open if FCC considers it more appropriate to certify the equipment at +29.1dBm output power.
3. We did not request for confidentiality for internal photos or user's manual initially. The confidentiality marking for these two items must have been an error from the person who uploaded the applications. Please be confirmed that we do not request confidentiality for either product internal photos or user's manual.

I hope I have addressed all the requests you raised in your email and that with these explanations, we will be able to receive the grants for the applied product soon. Please let me know if you should have any further questions and please address all correspondence to the undersigned.

Sincerely yours

Caroline Yu
International Product Manager
Western Multiplex Corp.