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Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
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RE: Response to FCC Requests
Correspondence Reference Numbers: 12911
FCC IDs: HZB-S24-08
Form 731 Confirmation Numbers: EA96599

Attn: Errol Chang

Dear Mr. Chang:

This is in response to your request 12911 regarding the application of HZB-S24-08 product.

In our product manual, we recommend antennas to be used with our equipment by their size and gain. At 2.4GHz band, we recommend 2' panel antennas and 2'-8' parabolic antennas. The gains of these antennas range from 27dBi to 33.5dBi. As examples, we recommend to our users some typical antenna vendors now in the market, such Gabriel, Radio Waves, Andrew, Comsat, etc. Though of different make, antennas of the same dimensions have very similar gains and other specifications. The gains of antennas of various sizes are as in the following table.

Antenna Type and Size	Range of Mid Band Gain for Antennas by Various Vendors (dBi)
2' flat panel	21.7
2' parabolic	20.6-21.6
4' parabolic	26.6-27.6
6' parabolic	30.1-31.1
8' parabolic	31.8-33.6

We believe as long as the antennas are consistent in their technical specifications, the differences in brand name, model number, and type should not cause discernable differences in radiated emission and RF exposure. We hope when grant conditions are necessary, these conditions will be made in the form of specifications (for example, size, gain range, or EIRP) rather than in the form of model names and vendors.

I hope I have addressed questions in your request. Please contact the undersigned should there be any further questions.

Yours

A handwritten signature in black ink, appearing to read "Caroline Yu", is written over a light blue horizontal line.

Caroline Yu
International Product Manager
Western Multiplex Corporation