



Shure Brothers
Incorporated

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June 24, 1999

Mr. George Tannahill
FCC Application Processing Branch

Re: FCC ID DD4PA770
Correspondence Reference Number: 8413
731 Confirmation Number: EA93903
Date of Original E-mail: 06/24/1999

Dear Mr. Tannahill,

With respect to the questions you raised in your E-mail message of the above date:

1. The maximum input power to the combiner is +20 dBm (100 mW) per input, or +26 dBm (400 mW) total for all inputs. This is a conservative figure; the design will handle at least 20% more than these amounts. However, the combiner is intended only to be used with Shure LPAS model P7T transmitters, which can deliver a maximum of +20 dBm (100 mW) of power. The plots that you received were tested with Shure P7T transmitters as signal sources, operating at +20 dBm output.
2. The intermodulation data was gathered using four Shure P7T transmitters as drivers, each connected to one of the combiner inputs. The transmitters were all operating at their normal output power of +20 dBm (100 mW). This was done to replicate an "actual use" setup. Since the P7T transmitters have no user adjustment for the output power, the power level remained the same for all tests.

Once again, if you have any further questions, please do not hesitate to contact me.

Sincerely,

Edgar C. Reihl, P.E.
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