



Quality Department

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AKG-Acoustics GmbH

Lemböckgasse 21-25
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Austria

Mr. Joe Dichoso
Authorization and Evaluation Division
Att: Mr. Joe Dichoso,
7435 Oakland Mills Road
Columbia, MD 21046

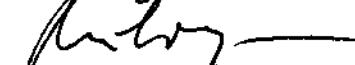
Regarding: Aproval E9M HT40, E9M PT40

Dear Sir,

With our microphones ,measuring the max. bandwidth at 20kHz upper audio frequency is more significant than at 15kHz (due to preemphasis) . Therefore the laboratory took 20kHz. Highest measured deviation in overdriven condition at 10kHz is 45.8kHz (46kHz) ,which is the limit determined by the crystal in the oscillator.This means that, in the worst case , theoretically, the max. deviation could be 46kHz / x2 plus 20kHz x2 =132kHz necessary bandwidth. (Practically measured at 10kHz:112kHz,at 20kHz:115kHz)

The value defined in the Constructional Dataform was chosen because the system is to be sold in Europe also, where 200kHz is the most manufacturer chosen and permitted value for wireless microphone systems.

Best Regards


Ing. Hans R. Pühringer
Approbation Officer, QD

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