Oct. 05/1999

To: Mr. Frank Coperich F.C.C.

Re.: FCC ID: H6M-BDA1200, 731 confirmation #: EA94599, Your Correspondence #: 9930

Dear Mr. Coperich,

This replies your correspondence # 9930. The customer has decided to make some changes for their antenna specifications to meet the FCC requirement without performing Routine Environmental Evaluation since they do not supply the antennae to users.

(1) & (2) – **OUTDOOR OPERATION**: Only antennae with gain of less than or equal to 10 dBi are allowed to be used with this Amplifier. This will allow the maximum ERP output power of 91.2 Watts. The antenna is required to be mounted on the rooftop of the building or antenna-tower with the distance of at least 10 meters above the ground. Per FCC Section 1.1307(b)(1), Table 1, the routine environmental evaluation is not required.

(3) - **INDOOR OPEATION**: The in-building antenna connection is via a coaxial cable distribution system with Signal Taps at various points connected to the fixed-mounted Indoor Antennae. This will be shown in the figure in the Introduction. Only 0 dBi gain, ¹/₄ wavelength antenna type is allowed to be used with this amplifier. The antennae will be used with Kaval 12 dB, 16 dB or 20 dB Cable Taps. As such the maximum ERP power at the first tapped antenna will be 12 dB below the maximum RF output power of the DBA1200 amplifier (9.12 Watts); 27.6 dBm or 0.58 Watts ERP. This antenna will be installed such that no person can touch the antenna or approach the antenna within 20 cm (This distance is more than that is required per FCC 1.1310, please see note 1 below).

Note (1): Per FCC 1.1310)for General population/uncontrolled Exposure condition, the power density limit = F/1500 = 869/1500 = 0.6 mW/cm2, G=0 dBi or 1 numeric, P= 0.58 Watts

The minimum safety distance = r = sqrt(PG/4PiS) = 8.8 cm

(3) & (4) The revised instruction manual with 50 W EIRP power changed to 0.58 Watts EIRP, instructions of antenna installation and the following Warning will be provided to you when the above alterations are accepted by you.

ANTENNA INSTALLATION WARNING

- ALL ANTENNA INSTALLATION IS REQUIRED TO BE PERFORMED BY QUALIFIED TECHNICAL PERSONANEL ONLY.
- ALL OUTDOOR (ROOF-TOP OR TOWER) ATTENNA INSTALLATION IS REQUIRED TO BE AT LEAST 10 METERS HIGH ABOVE THE GROUND LEVEL FROM THE LOWEST POINT OF THE ANETNNA.
- ALL IN-BUILDING ANTENNAE INSTALLATIONS ARE REQUIRED TO BE SUCH THAT NO PERSON CAN TOUCH THE ANTENNAE, OR APPROACH CLOSER THAN 0.2 METERS FROM THE ANTENNAE.

We are sorry for all the confusion and frustration about the changes of the EUT's specifications to try to meet the FCC requirements. We appreciate if you can let us know if these new changes will be accepted by you without performing the Routine Environmental Evaluation. The manual will be sent to you immediately after the acceptance of this proposal to avoid the redundant changes.

Regards

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