

FCC ID O33AR1800

Correspondence Reference number 16327

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1.) Please submit a copy of the user manual as required by Section 2.1033(c)(3) of the Commission's R&R.

The user guide will be submitted through www.fcc.gov, electronic filing, OET Equipment Authorization Electronic Filing, Add Attachments.

2.) The emissions mask under Section 90.210(j) applies to units with non-filtered signals. You did not provide a justification for use of the limits under Section 90.210(i).

Our transmitted signal is made by frequency modulating an oscillator. The modulating AF signal is a 4 level FSK signal and is filtered in order to suppress adjacent channel emissions and other unwanted emissions.

The filter is a Gaussian premodulation filter. The 3 dB cut-off frequency of the gaussian filter is 2,350 Hz.

The gaussian filter is made of two parts, the digital filter and the analogue filter. Together they form the gaussian filter.

So therefor emission mask under section 90.210(i) is appropriated.

3.) A necessary bandwidth calculation should be provided. Using the values you supplied for "M" and "D", we get $2(9600/4) + 2(2.4) = 9.6$ kHz which should be used in the emission designator.

Hereby we confirm that $2(9600/4) + 2(2.4) = 9.6$ kHz is a correct calculation for the bandwidth which should be used in the emission designator.