

Non-Conformities (Ref # E00-000488-1) FCC ID:02H8002001

- Item 1: Your address on the 731 form differs from the address that is registered with the FCC. Please submit a letter to the FCC regarding your address change in accordance with section 2.929 and/or correct the 731 form accordingly.

We have already submitted address change to FCC

- Item 2: Please provide an explanation of how the emission type F8E was derived. The test report indicates an emission type of F1E. Please advise of correct emission type.

The system is used for FM transmission (F).
The system support more than one carrier (8).
The system is for voice telephony application (E).
So the correct emission type is F8E

- Item 3: The photos provided do not supply sufficient detail. Please provide close up photos of the PCB's showing component placement.

The detail are supplied in the PCB section

- Item 4: Please explain why a limit of -59dBc was used for the antenna conducted and radiated measurements? This limit does not correspond with the limit stated in 90.210. Please show the calculations.

The input signal plot and the output signal plot are indicating mainly the delta marker values and the gain. While the output power of the amplifier is read accurately in the power meter, the amplifier was first adjusted to 200W according to the power meter labeling "15, 16" in the page 8 of the filing report. Then, the output plot was taken from the spectrum analyzer. The important information of the output plot is the delta marker value, which is -60.74 dB. Since the FCC limit value should be -59dBc (4 carriers, 50W / carrier), the amplifier satisfies the FCC requirement.

- Item 5: It is acceptable for an amplifier to have a listed frequency range of 850 to 870 MHz. The FCC requires that a bandwidth plot for each channel which shows the input signal and output signal for the worst case across the operating band be submitted.

Input plots of low, middle and high were provided. Test additional test data files.

Item 6: If applicable please provide the tune-up procedure over the power range, or at the specific operating power levels.
The system is not user serviceable.