1) **Confidentiality Request**: A letter is provided.

- Schematics
- Block diagram
- Manual
- Datasheet
- Parts List

The block diagram and datasheet provided is part of the user installation manual, a document which is provided to the installer under a non-discloser agreement only. Although in a normal application an install manual is not allowed to be held confidential, in previous applications this applicant has shown that, since this document is controlled within the Andrew Corporation and is only provided to outside entities under a non-disclosure agreement, this document is eligible for confidentiality.

2) **RF Exposure Classification**: Fixed.

RF Exposure is addressed at the time of installation since the antenna is not defined until that point. The installation manual specifies a minimum separation distance of 20 cm from nearby persons and a maximum antenna gain of 12 dBi.

3) Classification of the device per FCC Amplifier Interpretation document

The device fits the definition of a "Booster" since it does not translate the frequency and is not used to extend the coverage of a Base Station.

Booster is a device that automatically reradiates signals from base transmitters without channel translation, for the purpose of improving the reliability of existing service by increasing the signal strength in dead spots. An "in-building radiation system" is a signal booster. These devices are not intended to extend the size of coverage from the originating base station. A booster can be either single or multiple channels***.***

The device **does not** operate as an "in-building radiation system" as defined by the interpretation document but can be connected to such a system that is separately approved.

The device is in one enclosure and operates in the 700 MHz (non PCS) band thus it should be assigned the equipment class **TNB**.

4) **Output Power**: The device operates as a single carrier device. The normal channel width is 6 MHz (this is the old UHF TV channel 55). Peak rf output power is +15 dBm(0.0316watts)

There are two modes of ALC (Automatic Level Control).

- Maximum rf power
- Fixed gain

In the maximum rf power mode, the installer sets the desired maximum rf power output via password protected software. The maximum rf power levels above cannot be exceeded. The device monitors the rf output level and automatically increases or decreases rf gain to maintain the rf power level set by the installer.

In the fixed gain mode the installer sets the desired gain using the same software as described above. The gain is maintained until the peak rf output power levels are reached. If these maximum output power levels are reached, the gain is automatically reduced to ensure that the peak authorized rf output levels are not exceeded.

5) Protection against saturation

The device automatically disables the rf amplifier when a condition of saturation is detected. This was verified by experimentation.