

ATCB response to FCC request for clarification of PC2

The amplifier as seen in the block diagram below is the final amplification stage for the transmitter system. The transmitter (MASTRIII) contains all of the frequency determining, modulation and other transmitter related circuitry. The PA, while part of the system, is considered the final PA for the transmitter. The Power level and modulation characteristics of the system have not changed. Neither has any of the transmitters frequency determining or other circuitry as specified in 2.1043. It was felt that since changes to the basic frequency determining and stabilizing circuitry (including clock or data rates), frequency multiplication stages, basic modulator circuit or maximum power or field strength ratings has not changed, a PC2 was appropriate.

The following is from the revised report.

2 Description of Equipment and Changes to Equipment

This Class II change request includes the following equipment changes:

1. Replace existing power amplifier with Crescend power amplifier; Model Number EA101292VIO
2. Replace power supply; Model Number 289PS15

All modulation, frequency-determining circuits and RF characteristics are housed in the MASTRIII station. The same emissions designators shall be used in the new configuration. The power amplifier is a separate module that is integrated together with the SitePro Controller, MASTRIII and power supply modules that, together, make up the MASTRIII Base Station. A block diagram is shown below.

