



Re: Limited Modular Approval

To Whom It May Concern:

Banner Engineering Corp. would like to apply for limited Modular Approval for the RM1809 radio transceiver product. This letter is our application for such according to FCC public notice DA 00-1407. Banner Engineering will retain complete control of the use and installation of this product such that full compliance of all end products is assured.

The following table contains the criteria for a full modular approval and addresses how the RM1809 plus its carrier board address each requirement. The criteria are excerpted and summarized from the FCC Public Notice DA 00-1407.

The RM1809 is the device that will carry the limited Modular Approval, the DX180 carrier board is the board onto which the RM1809 was installed for testing.

Criteria		RM1809 satisfaction of requirements.	RM1809 plus DX180 carrier board satisfaction of requirements.
1.	The modular transmitter must have its own RF shielding.	The RM1809 includes a brass shield over the entire device.	
2.	The modular transmitter must have buffered modulation/data inputs.	The XE1203F single chip radio transceiver ASIC contains its own data registers and does not permit direct modulation of the carrier. Maximum data rate is hardware limited by the XE1203F.	
3.	The modular transmitter must have its own power supply regulation.	The RM1809 contains all necessary bypass components on DC supply planes.	The voltage regulator function is performed on the carrier board.
4.	The modular transmitter must employ a unique connector		The DX180 carrier board contains the unique antenna connector (reverse polarity SMA).
5.	The modular transmitter must be tested in stand-alone configuration		The RM1809 was tested installed upon the DX180 carrier board and found to be compliant with Part 15 regulations.
6.	The modular transmitter must be labeled with its own FCC number.	RM1809 will be labeled directly at the time of manufacture, or will be labeled on the exterior of the	

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		housing, depending on application.	
7.	The modular transmitter must comply with any specific rules.	The RM1809 complies with all operating requirements as tested.	
8.	The modular transmitter must comply with exposure requirements.	The RM1809 complies with all exposure requirements as tested.	