

## Class II Amplifier

pg\_master2

Company: Subject: Class II permissive change 20000327-003 446

Remarks: Keyword: Class II permissive change

Rule Parts: 15.247 City: State: Country:

### INQUIRY:

A client has a certificate 902-927 MHz FHSS product that has been having some problems in the field with blown final RF power amps. Investigation has revealed poor VSWR between antenna and that particular power amp circuit.

He wants to change the part to another mfr., however, because there is no exact replacement, he needs to add some components (DC regulators some biasing and matching circuits) that will necessitate a new board layout in the vicinity of the power amp output, in order to fit the new components.

No change to the previously reported output power, no change to the modulation circuit, frequency determining circuit, etc.

Is this change within the scope of class 2 per 2.1043? We will submit data on radiated and conducted emission to support class 2.

### RESPONSE:

This is in response to your e-mail dated May 24, 1999. Pursuant to FCC policy, a change to components in the RF chain which results in a change to the circuit design may not be authorized as a Class II permissive change if the previously approved output power is changed. However, in this case, the resulting output power remains identical to that which was previously approved. In light of this, the modification may be authorized as a Class II permissive change. The output power and spurious emissions (radiated and conducted) should be retested, with those results submitted in the application.

### Supporting Images:

IDDescriptionFile Type