



LS RESEARCH, LLC

Wireless Product Development

Re: Modular Transmitter Approval
FCC ID: *TFB-SIFLEX2*
IC: *5969A-SIFLEX2*

Gentlemen,

The following information is being provided per the requirements of 15.212 regarding modular approval of Part 15 devices.

This transceiver is a complete RF module with an integral reference oscillator.

External connections are provided for power and data communication.

The following numbered items correspond to similarly numbered paragraphs in 15.212. Each item is a response to the requirements of that document.

- 1) The module has integral RF shielding to isolate it from surrounding equipment and the larger environment in general.
- 2) All inputs are processed as data by the on-board microcontroller. The outside user has no direct control of transmit modulation.
- 3) The on board microprocessor monitors the 3.3V input supply and prevents the transmitter from operating if the input voltage is detected to be above 3.45V.
- 4) There are 3 antenna options with this module, (1) 3.2", 22 – AWG wire monopole, (2) Nearson S467AH-915 dipole, or (3) a Pulse W3112A chip helical. The dipole antenna uses a reverse polarity SMA RF connector. The module contains a U.FL connector. A 6 inch U.FL to RP-SMA cable is used to connect the antenna to the module. The wire antenna is soldered directly to the module. The chip helical is a surface mount antenna soldered directly to the module. This is in accordance with Part 15.203.
- 5) The module was tested in a stand-alone configuration and found to be compliant with Part 15 regulations.
- 6) An FCC ID label is affixed to each unit at the time of manufacture. Information is also clearly presented in the user guide about labeling requirements for the final assembly.
- 7) This unit is compliant with Part 15.247. Installation and other requirements are presented in the user guide to allow the unit to be correctly installed.
- 8) The unit is compliant with the RF exposure requirements of Parts 15.247, 2.1091.

Further information may be obtained from LS Research, LLC.

Sincerely,

Teresa A. White
Quality Manager, LS Research
P: 262.421.4991 e: twhite@lsr.com