

1. The modular transmitter must have its own RF shielding.
All of the transceiver RF portions are under the shield on the module.
2. The modular transmitter must have buffered modulation data inputs.
The transmitter has buffered lines inside the 802.11 B/G IC for data transmission. See circuit description exhibit.
3. The modular transmitter must have its own power supply regulation.
The schematic for this unit shows on-board regulators.
4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204(c).
The module is certified with Four antennas

W1038 - Pulse Antennas 2.4 - 2.5 GHz with Reverse SMA connector

W1037 - Pulse Antennas 2.4 - 2.5 GHz with Reverse SMA connector

MLPV2400NGP - PCTEL Ant 2.4 - 2.5 GHz with reverse SMA

13018-1 - Beijing Evercommunication Ant 2.4 - 2.5 GHz with IPX
5. The modular transmitter must be tested in a stand-alone configuration.
The SG901 1028 was tested stand alone with each antenna. See the test setup photographs.
6. The modular transmitter must be labeled with its own FCC ID number.
The FCC ID Label Sample and Label Location are included in the exhibits.

MODULAR REQUIREMENTS CONTD.

7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter.

The 901 1028 meets all of the requirements per FCC Rules Part 15.247 and data is included in the report.

8. The modular transmitter must comply with any applicable RF exposure requirements.

Antenna installation requirements are compliant with exposure limits according to the estimated minimum 20cm separation distances.