

# Limited Modular Transmitter Approval Qualification

1. The modular transmitter has its own metal shielding covers on top side, which shields over the RF circuits in order for all modular transmitter emissions to comply with Part 15 limit and to prevent coupling between the RF circuitry of the module and any wires or circuits in the device into which the module is installed. Refer to the “External Photos” exhibit.
2. The modular transmitter has its own buffered modulation/data inputs. All inputs to the modules are buffered through the RF logic circuitry. Refer to the “Block Diagram” or “Schematic Diagrams” exhibits provided by Intel Corp.
3. The modular transmitter has its own power supply regulator and distributes necessary powers to all of its different circuits including the transmitter. Refer to the “Block Diagram” or “Schematic Diagrams” exhibits provided by Intel Corp.
4. The modular transmitter complies with the antenna requirements of Section 15.203 and 204(c) with a unique electrical antenna connector, so called “**BIOS Lock**”. Refer to the “Confidential\_BIOS\_Lock” exhibit.

Each antenna system used for the applying module shall be approved(certified) with the module before each product’s announcement date. This application includes the built-in type antennas of IBM laptop computer, ThinkPad X30 Series and X40 Series.

5. The modular transmitter was tested in a stand-alone configuration with each built-in antenna of the host device that was connected to the proper AC adapter. It complies with the AC power line conducted requirements found in Section 15.207.
6. The modular transmitter is labeled with its own FCC ID number. Also the host device in which the modular transmitter is plugged has a label pointing the FCC ID number location. Please refer to the separate exhibit of the host antenna system, “Antenna\_Info.pdf” exhibit.
7. The modular transmitter complies with the applied specific rule and operating requirements applicable to the transmitter, and the adequate instructions along with the module to be explained for customers are provided with the user’s manual.
8. The modular transmitter complies with the applicable RF exposure requirements. The proper RF exposure evaluations were performed with the host devices in line with the FCC Rules in Sections 2.1091 (MPE), since the antenna separation distance of 20cm or more from human’s body is maintained for the host device.