RF EXPOSURE INFORMATION

RADIO FREQUENCY EXPOSURE (HAZARD) INFORMATION
Testing was performed in accordance with the requirements of FCC Part 15.247(i) and FCC Part 15.407(f).

Spread spectrum transmitters operating in the 2400 - 2483.5 MHz & 5725 – 5850 MHz (15.247) and 5.15 – 5.35 GHz & 5.47 – 5.725 GHz (15.407) bands are required to be operated in a manner that ensures that the public is not exposed to RF energy levels in accordance with CFR 47, Section 1.1307(b)(1).

In accordance with this section and also section 2.1093 this device has been defined as a portable device.

Intel 7260HMW WLAN module was installed in the LIFEBOOK T Series, Model: T734 / TH734. SAR testing was performed in accordance with OET Bulletin 65 and reported under EMC Technologies reports M130811_FCC_7260HMW_SAR_2.4 (2.4 GHz) and M130811_FCC_7260HMW_SAR _5.6 (5.18 – 5.825 GHz). SAR values of 1.53 mW/g (5GHz) and 0.431 mW/g (2.4GHz) were measured which complied with the FCC human exposure requirements of 47 CFR 2.1093 (d).

The Intel's Wilkins Peak2 2x2 WLAN and Bluetooth combo module incorporates a Bluetooth transmitter..

The Bluetooth maximum power is very low (6dBm including tune-up). It can only transmit via Antenna B(2) and is located at a distance of 152mm from other transmitting antennas. In accordance with Section 4.3.2 of KDB 447498 D01 the Bluetooth did not require SAR testing as a stand-alone transmitter.

KDB 447498 section 4.3.1 exemption formula:
[(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] · [√f(GHz)] ≤ 3.0 for 1-g SAR Result - [(3.98)/(8mm)] ·[√f(2.45GHz)]=0.78 , and also for the simultaneous transmission according to the section 4.3.2 the estimated SAR is given by formula:
(*max. power of channel, including tune-up tolerance, mW*)/ (*min. test separation distance, mm*)]·[√f(GHz)/*x*] W/kg
Result - [(3.98)/(8mm)] ·[√f(2.45GHz)/7.5]=0.1 W/kg.

The highest SAR for the antenna A (1) was 1.00 mW/g so the sum of the simultaneously transmitting Bluetooth and WLAN (Ant. B) was 1.10 mW/g which was below the SAR limit of 1.6mW/g.