PC-81006N MPE Calculation

According to KDB 447498 item 1)c) and item 4)a) means transmitter in notebook need SAR evaluation when source-based time-averaged conducted output power is above 60/f(60/f=60/2.441=24.58mW). Due to the maximum power is 1.42mW(Less than 24.58dBm), and the distance between the Wi-Fi antenna and other simultaneous transmitting antennas is greater than 20cm, the SAR evaluation for Bluetooth FCC approve is not necessary except the MPE calculation.

Maximum Conducted Peak Power output:
Pout=1.42mW (1.52dBm)

Max Antenna gain:
Gain=1dBi=1.26

The Low power threshold (No Evaluation Required if power is below this threshold)
60/f(GHz) mW=60/2.462=24.37mW

The Conducted Power of the EUT is lower than low power threshold and the antenna gain is less than 6dBi, therefore No SAR evaluation required since Transmitter Pout is below FCC threshold.