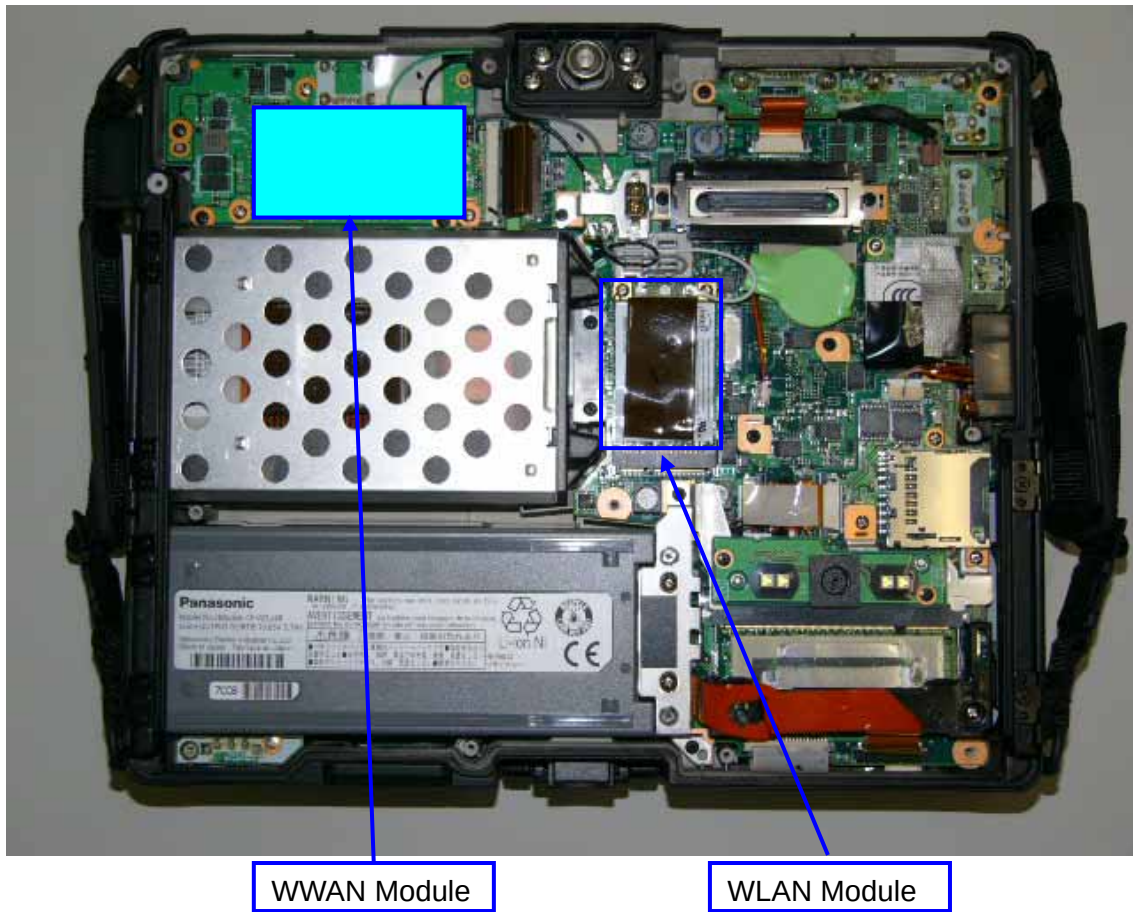


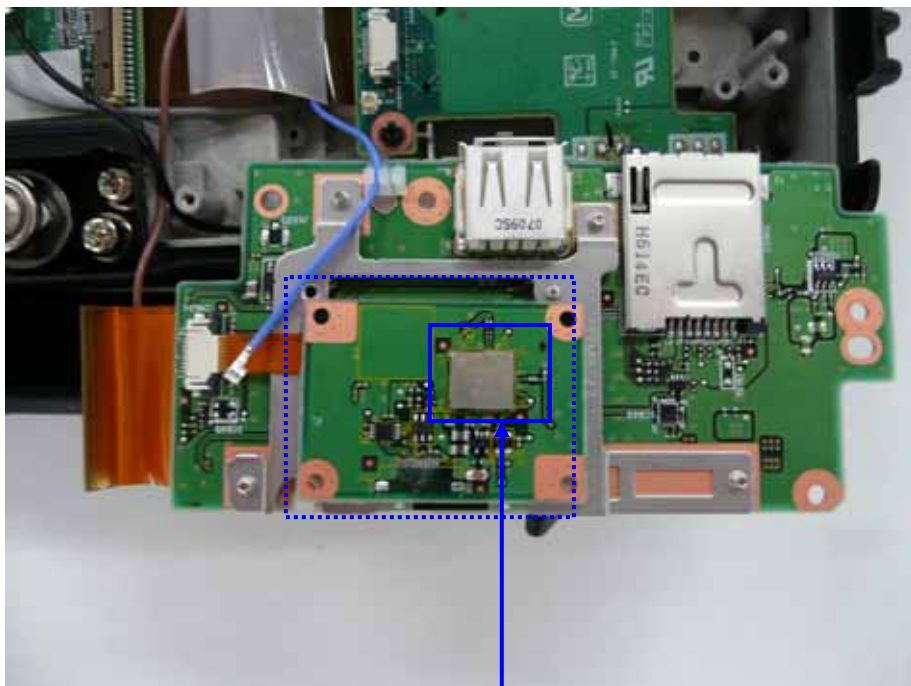
2. Module Position





Reverse Side

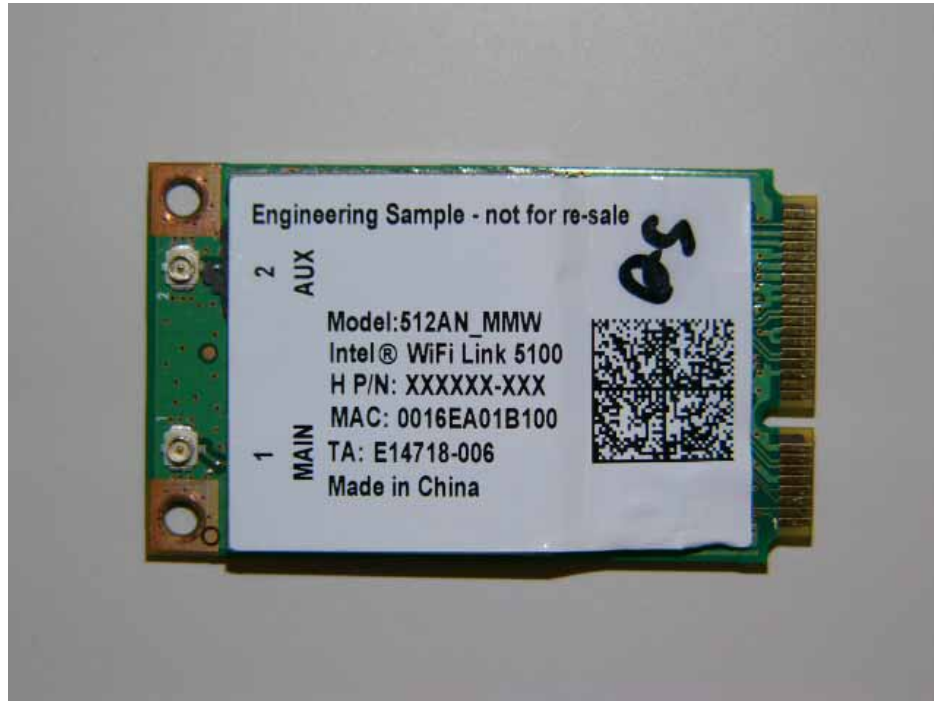
Reverse side of
WWAN PWB



Bluetooth Module

3. Module Photo

1) WLAN (512AN_MMW)



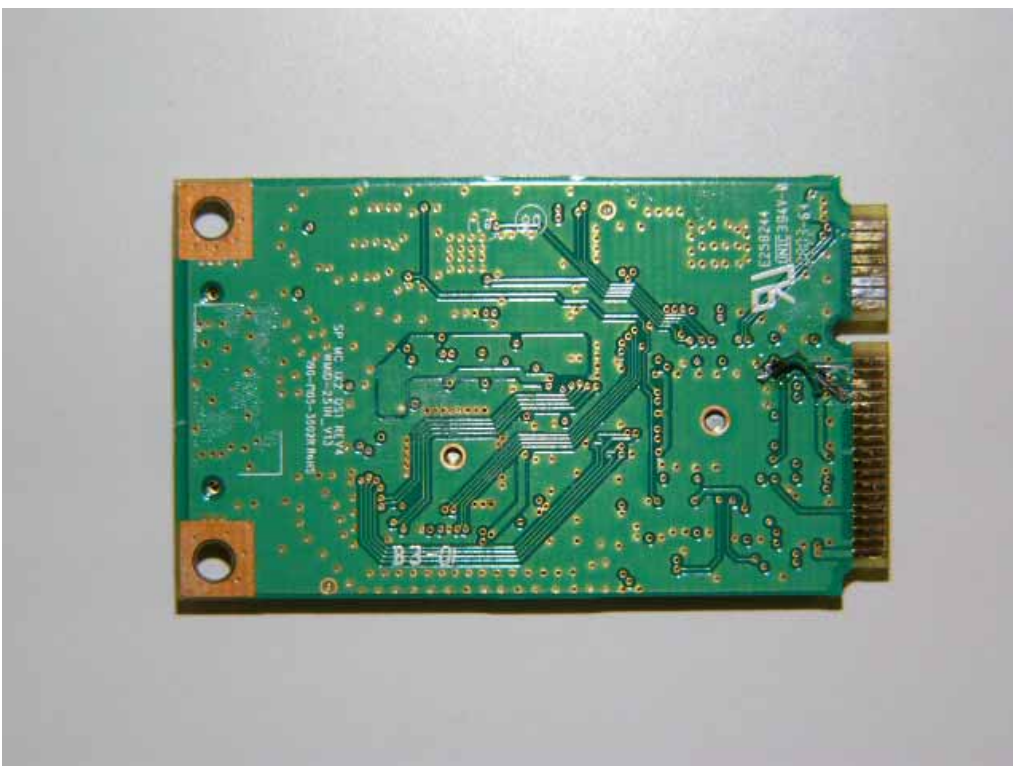
WLAN Exterior Top View



WLAN Exterior Bottom View

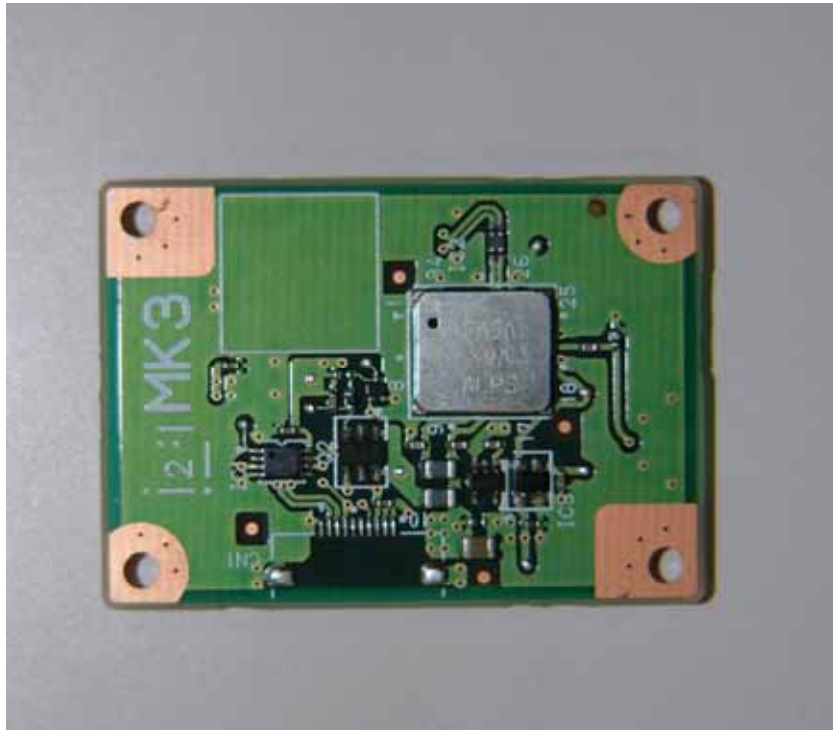


WLAN inside Top View



WLAN inside Bottom View

2) Bluetooth (UGNZA)



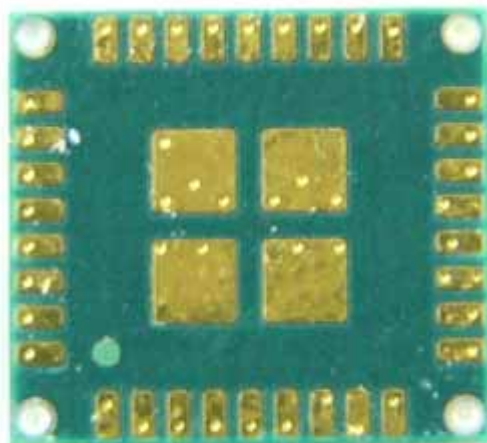
Bluetooth Card Top View



Bluetooth Card Bottom View



Bluetooth Module inside Top View



Bluetooth Module inside Bottom View

3) WWAN (EVDO rev.A)



WWANA Top View



WWAN Bottom View

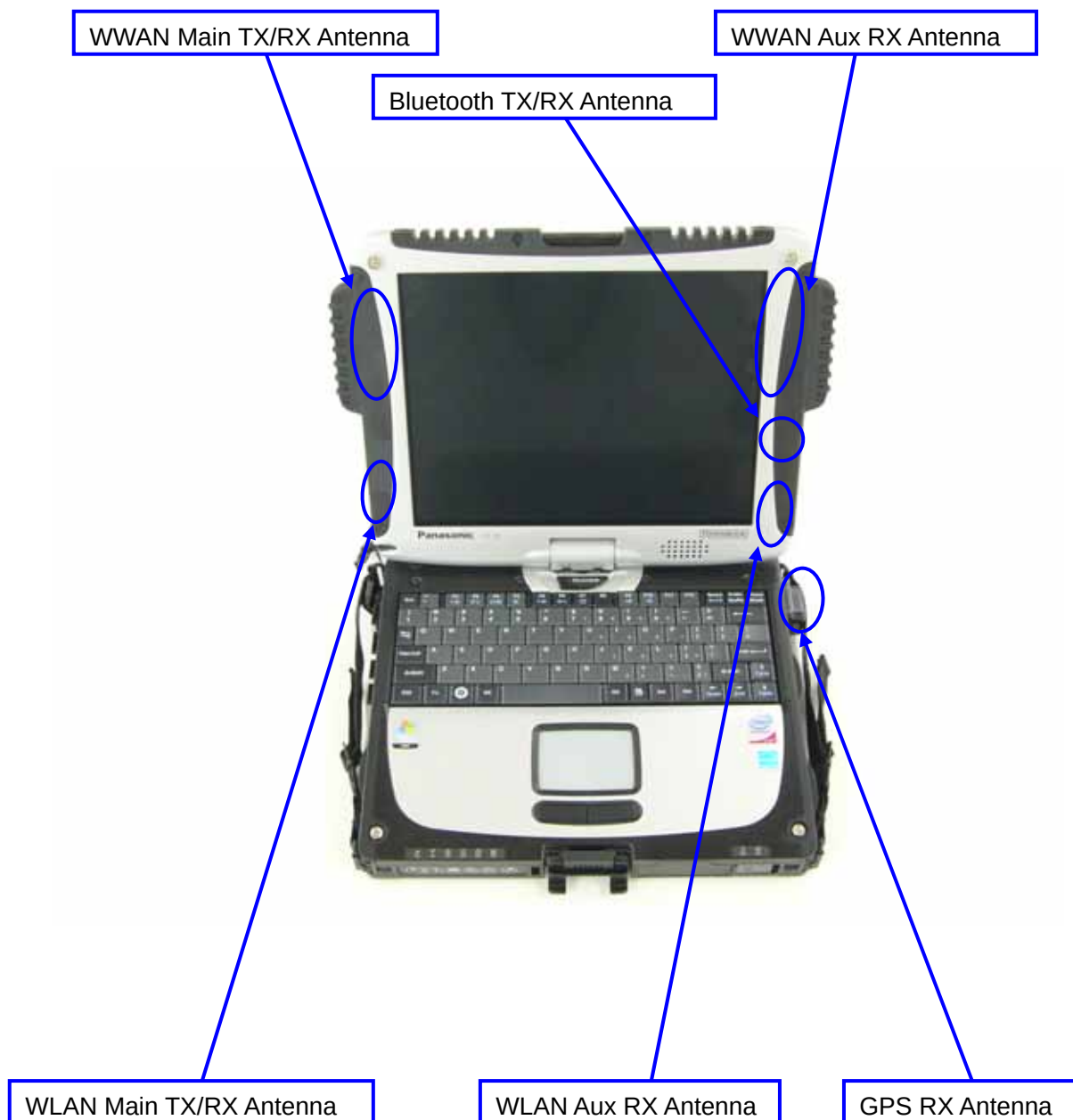


WWAN Inside Top View



WWAN Inside Bottom View

4. Antenna Position





WLAN Main TX/RX Antenna



WLAN Aux RX Antenna



Bluetooth TX/RX Antenna



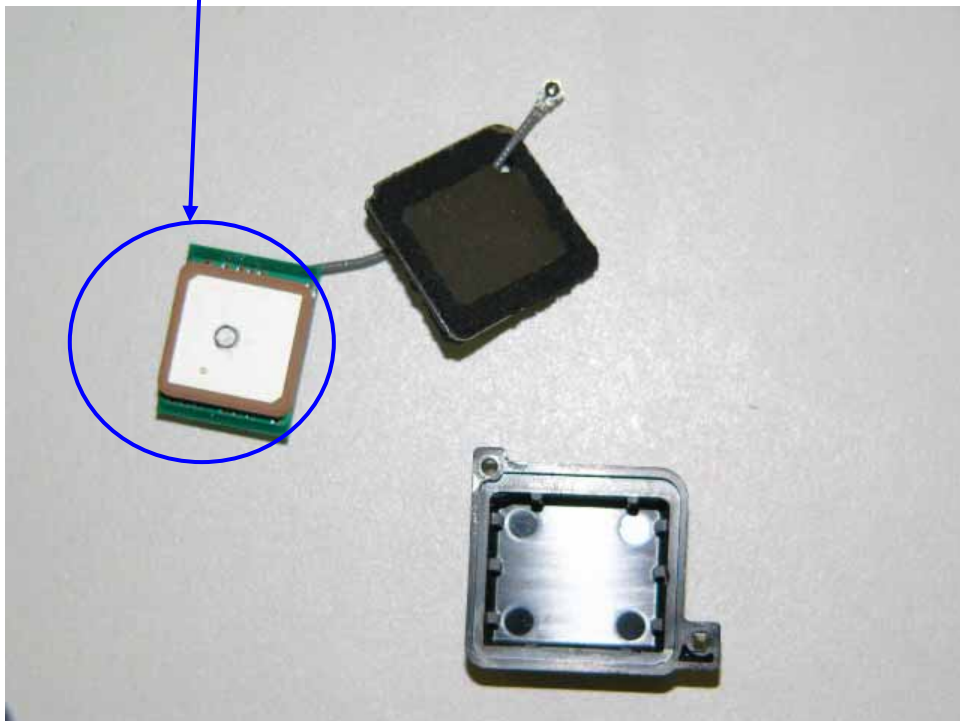
WWAN Main TX/RX Antenna



WWAN Aux RX Antenna



Remove Cover



GPS Module Antenna

5. Antenna Specification

WLAN Main TX/RX Antenna: Pattern Antenna

(Inverted F type: -0.17dBi max: 2.4GHz)

(Inverted F type:-0.27dBi max: 5.15-5.35GHz)

(Inverted F type:1.87dBm max 5.5-5.825GHz)

WLAN Aux RX Antenna: Pattern Antenna (Inverted F type)

Bluetooth TX/RX Antenna: Pattern Antenna (Inverted F type: 2.5dBi max)

WWAN Main TX/RX Antenna: Pattern Antenna

(Inverted-F type: -1.22dBi max: 850MHz)

(Inverted-F type: 0.37dBi max: 1900MHz)

WWAN Aux RX Antenna: Pattern Antenna (Inverted-F type)

GPS RX Antenna: Module Antenna