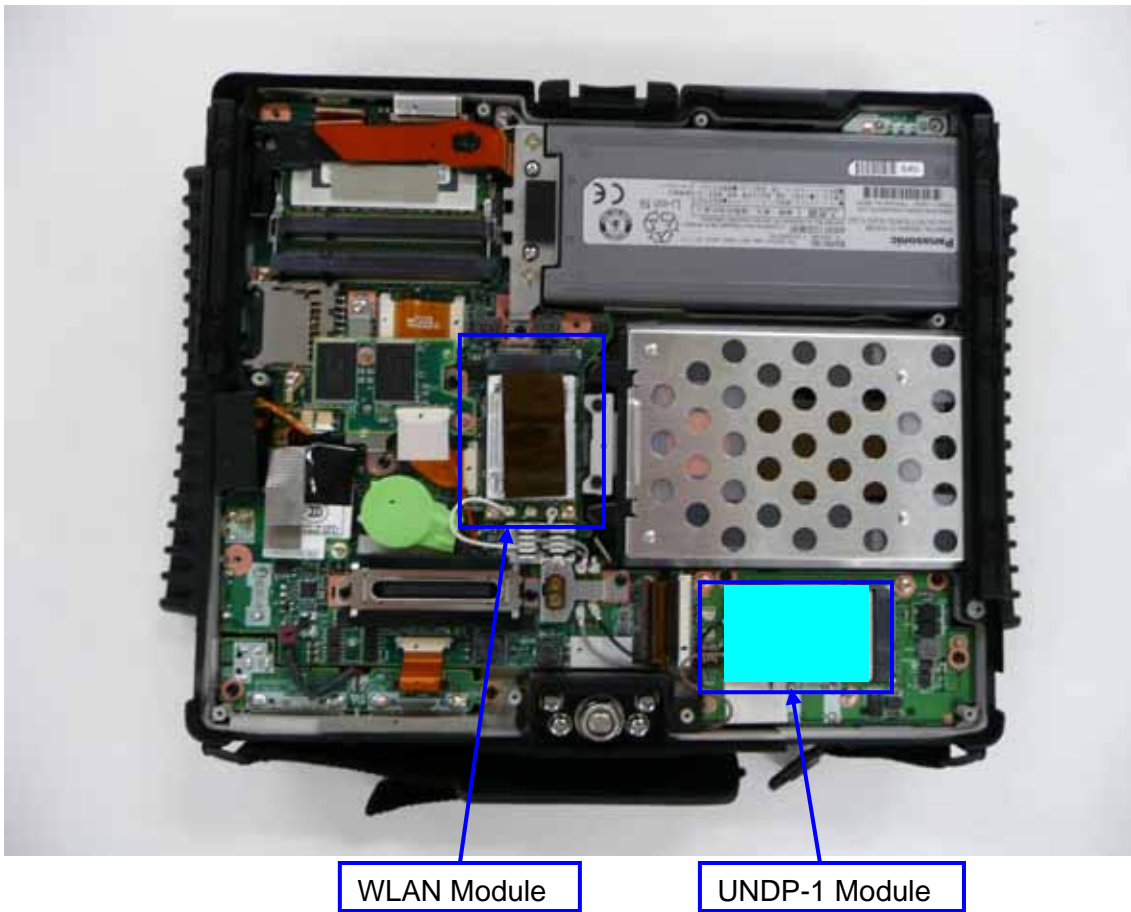


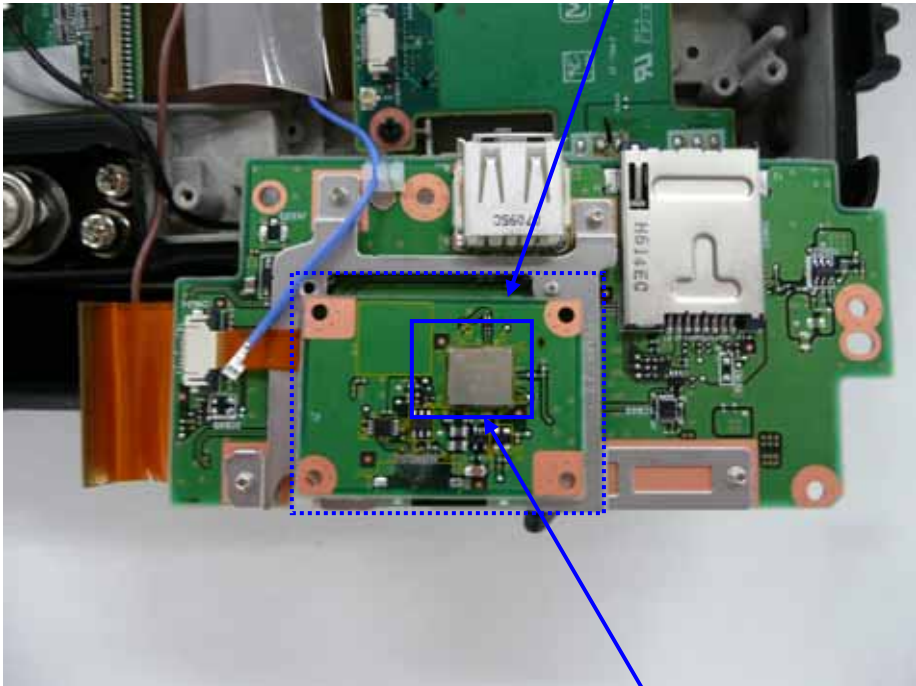
2. Module Position





Reverse Side

Reverse side of UNDP-1 PWB



Bluetooth Module

3. Module Photo

1) WLAN



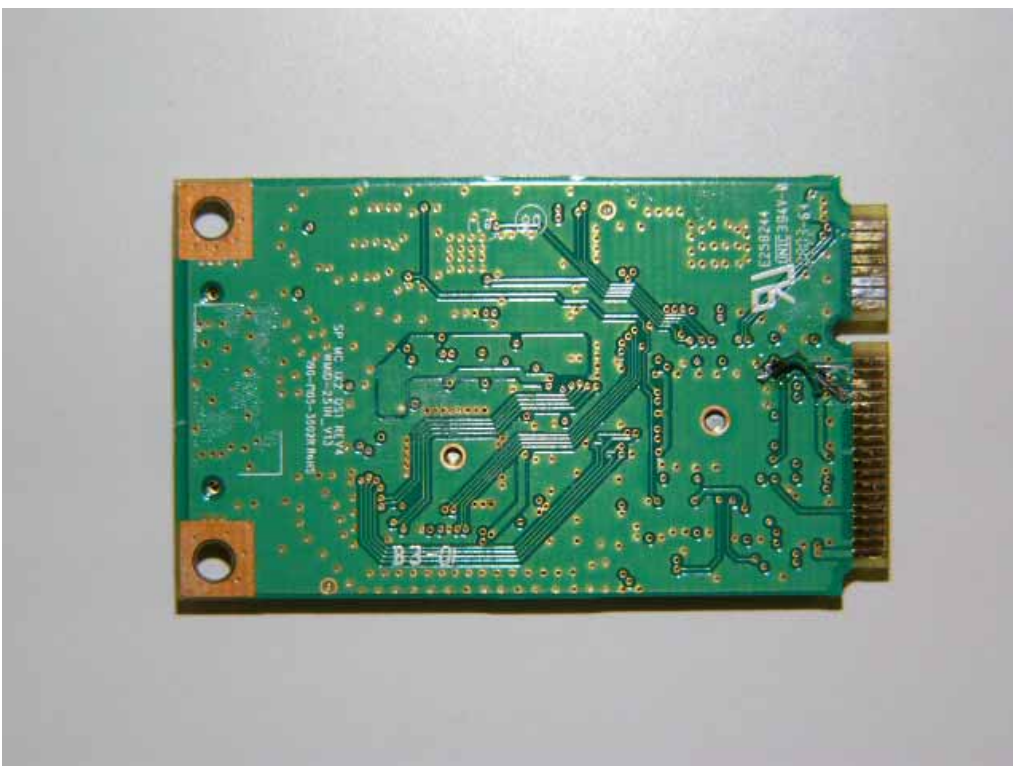
WLAN Exterior Top View



WLAN Exterior Bottom View

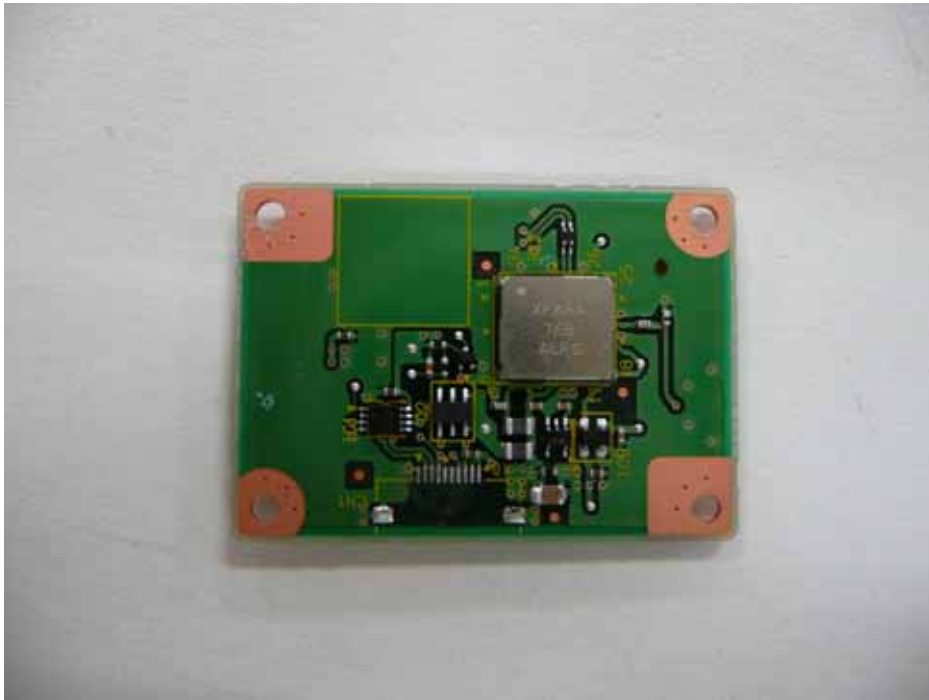


WLAN inside Top View

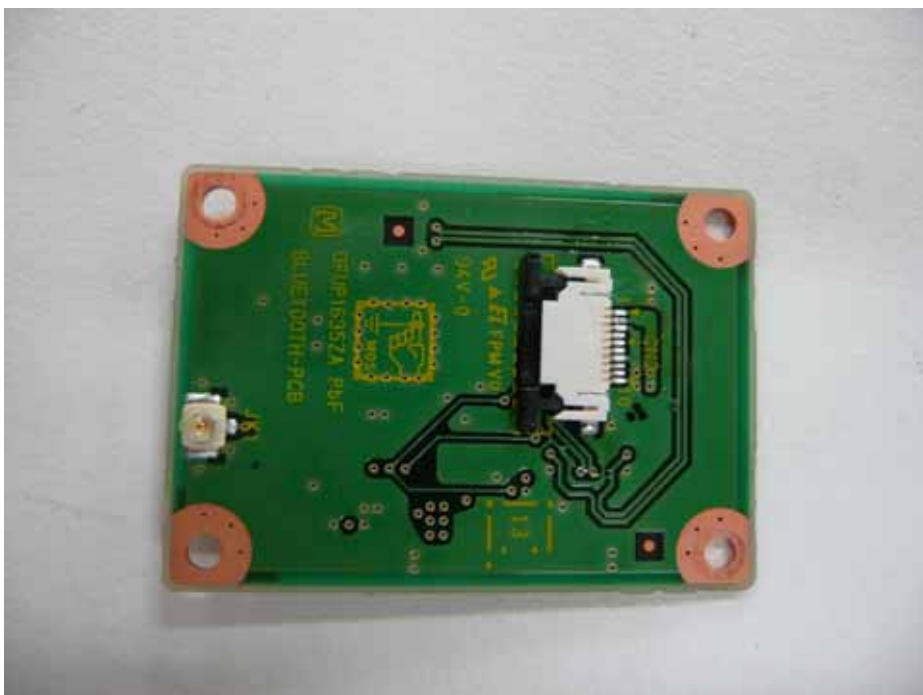


WLAN inside Bottom View

2) Bluetooth



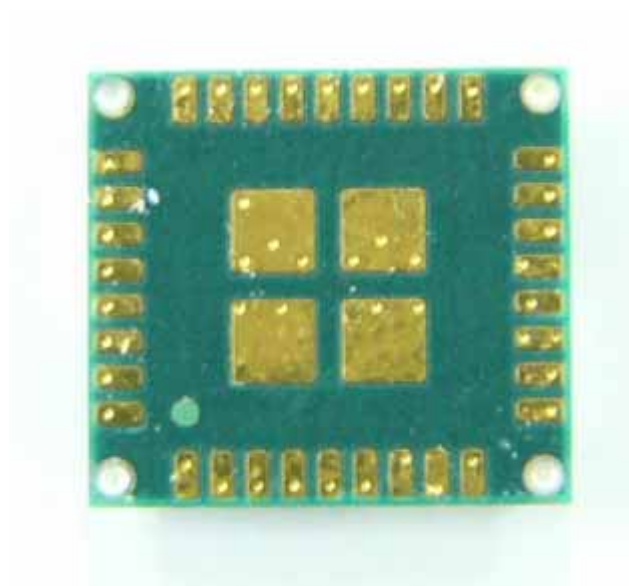
Bluetooth Card Top View



Bluetooth Card Bottom View



Bluetooth Module inside Top View



Bluetooth Module inside Bottom View

3) WWAN (UNDP-1) Photo



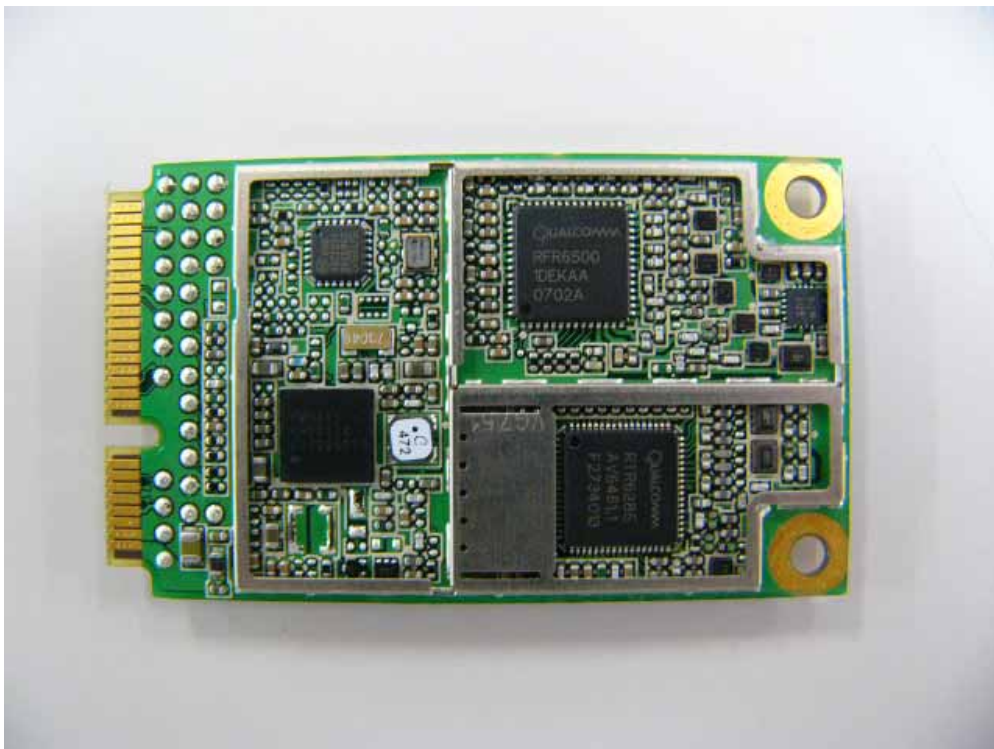
UNDP-1 Top View



UNDP-1 Bottom View

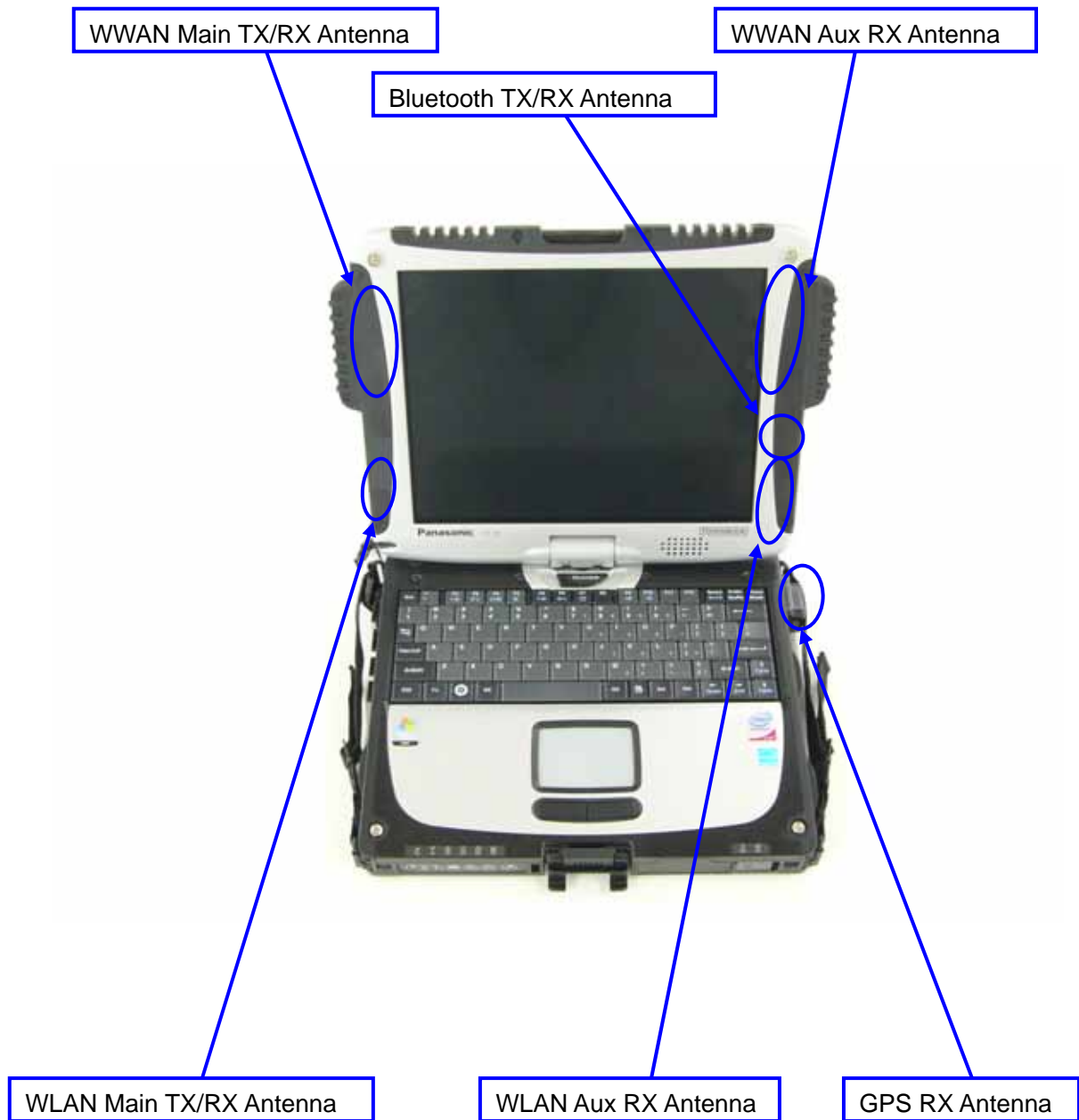


UNDP-1 Inside Top View



UNDP-1 Inside Bottom View

4. Antenna Position





WLAN Main TX/RX Antenna



WLAN Aux RX Antenna



Bluetooth TX/RX Antenna



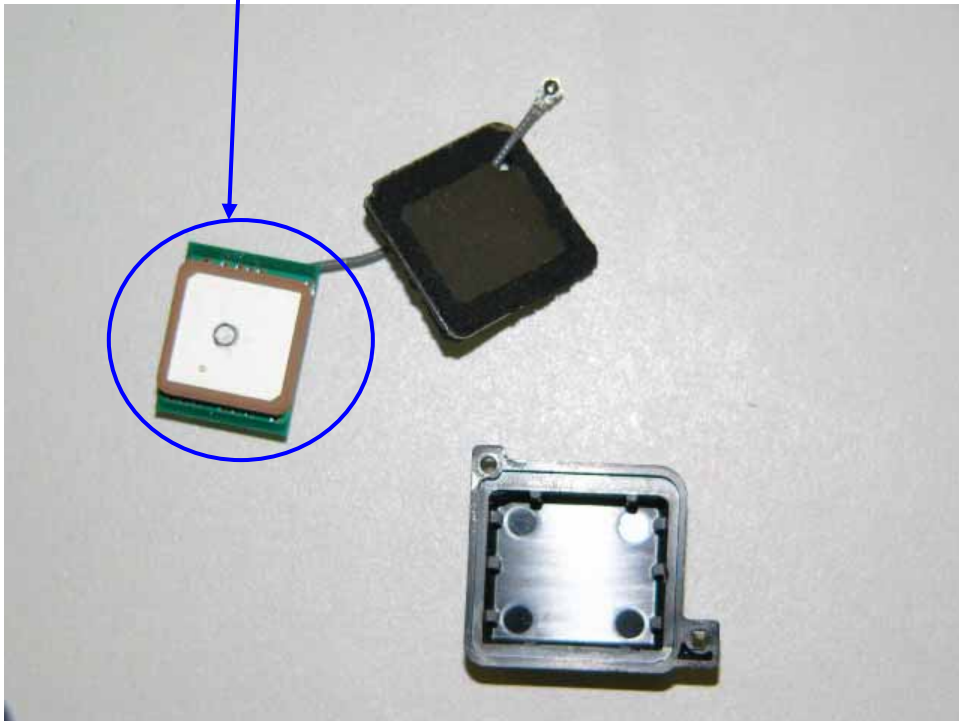
UNDP-1 Main TX/RX Antenna



UNDP-1 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)

UNDP-1 TX/RX Antenna: Pattern Antenna

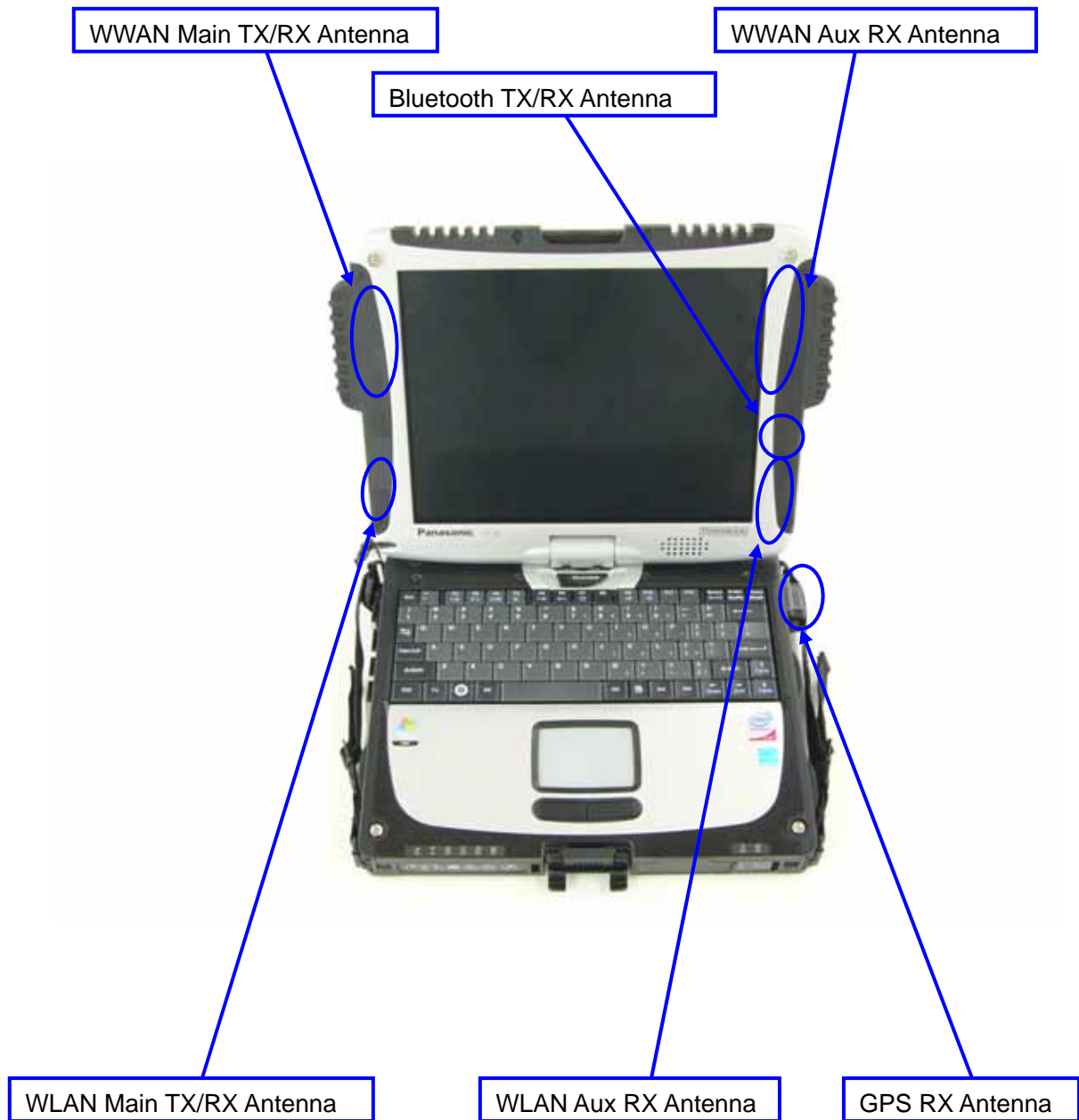
(Inverted-F type:1.22dBi max: 850MHz)

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

UNDP-1 Aux RX Antenna: Pattern Antenna (Inverted-F type)

GPS RX Antenna: Module Antenna

4. Antenna Position





WLAN Main TX/RX Antenna



WLAN Aux RX Antenna



Bluetooth TX/RX Antenna



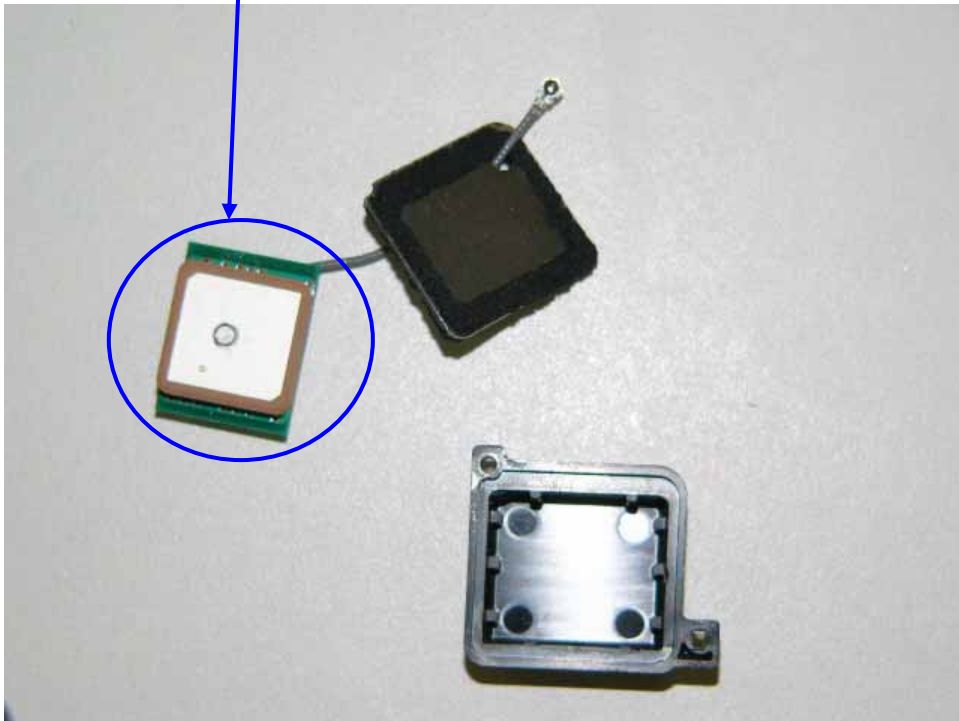
UNDP-1 Main TX/RX Antenna



UNDP-1 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)

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

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

UNDP-1 TX/RX Antenna: Pattern Antenna

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

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

UNDP-1 Aux RX Antenna: Pattern Antenna (Inverted-F type)

GPS RX Antenna: Module Antenna