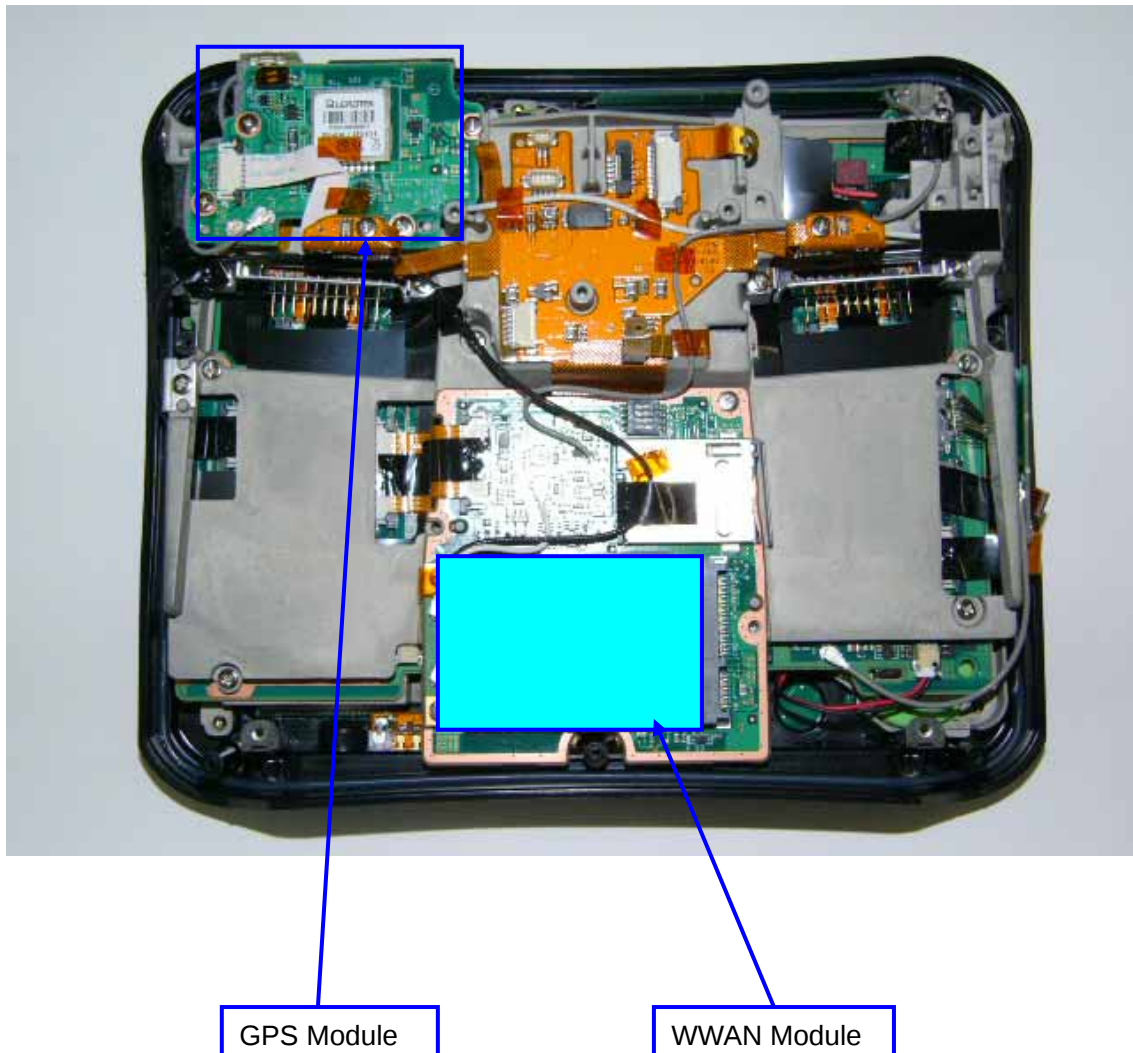
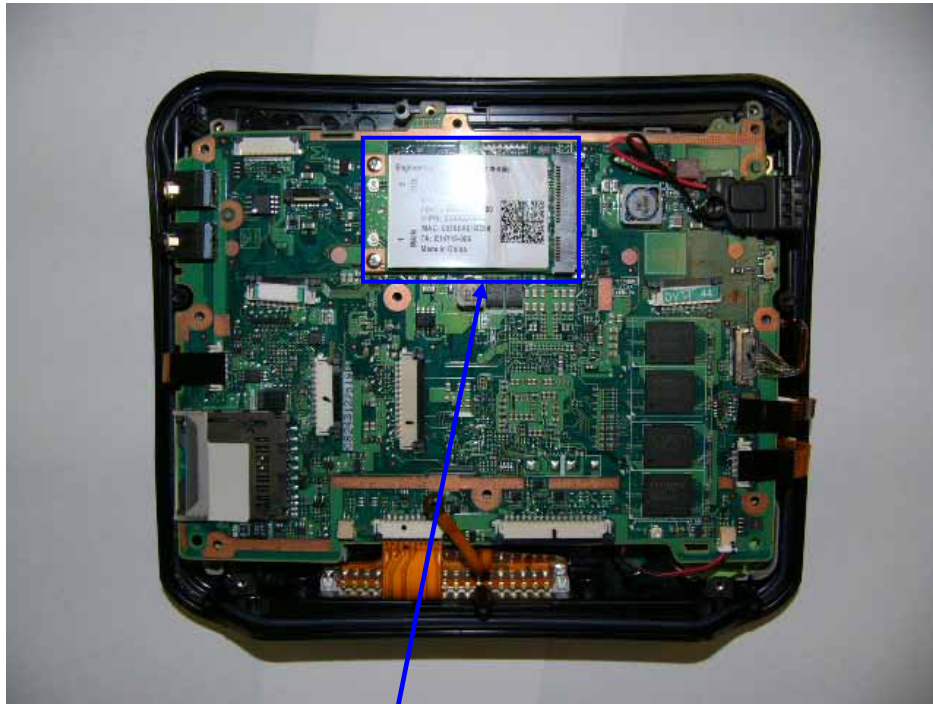


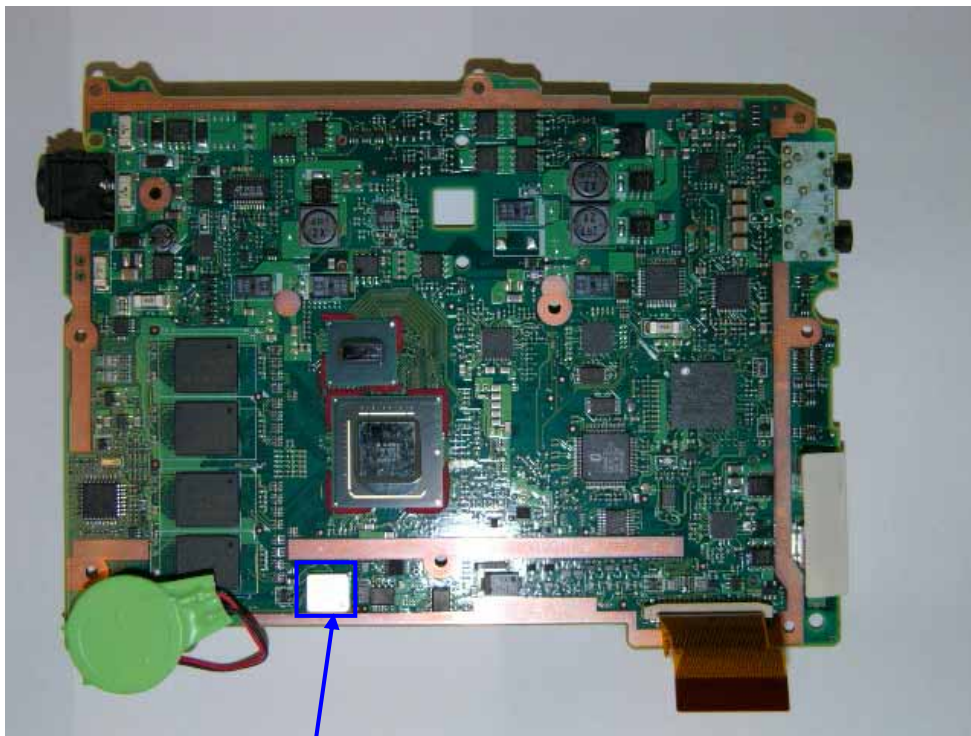
2. Module Position





WLAN Module

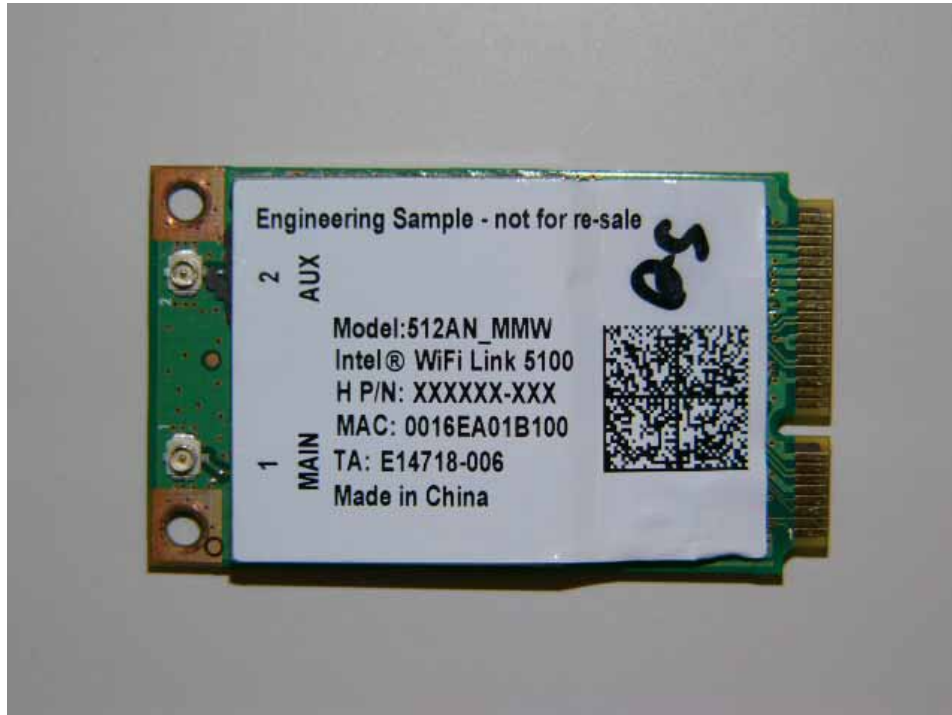
Reverse side of
Main PWB



Bluetooth Module

3. Module Photo

1) WLAN (512AN MMW)



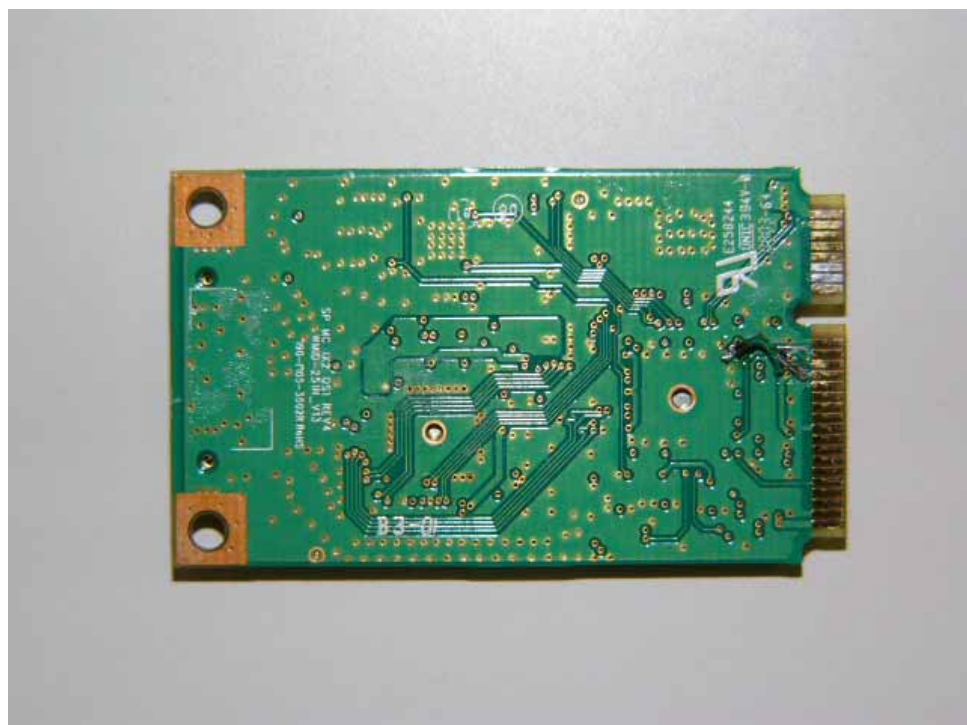
WLAN Exterior Top View



WLAN Exterior Bottom View

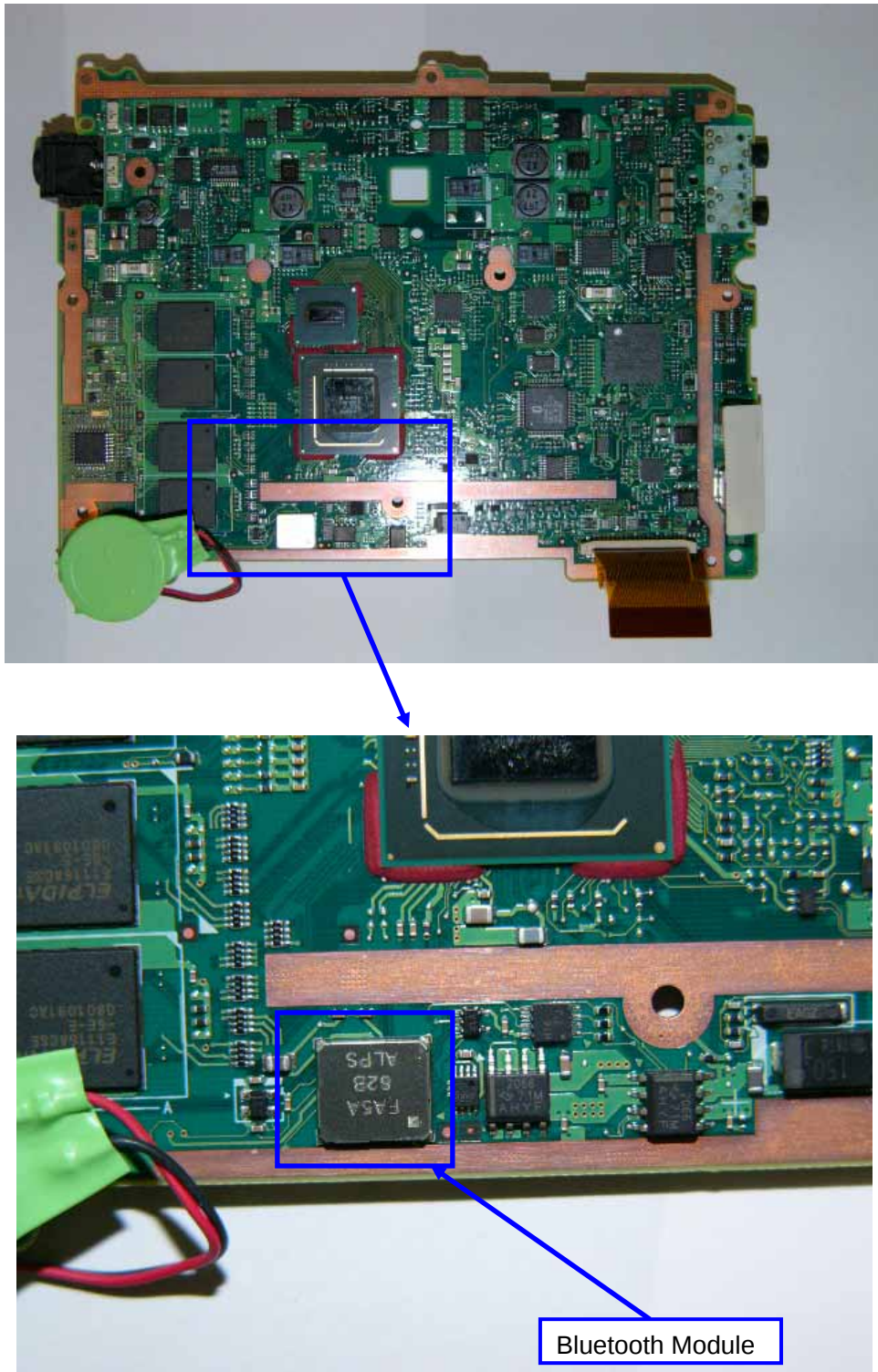


WLAN inside Top View



WLAN inside Bottom View

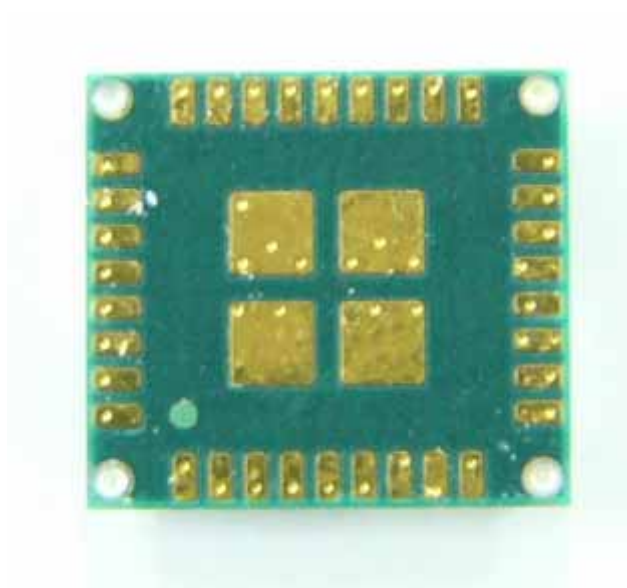
2) Bluetooth (UGNZA)



Bluetooth Top View on Main Board



Bluetooth Module inside Top View

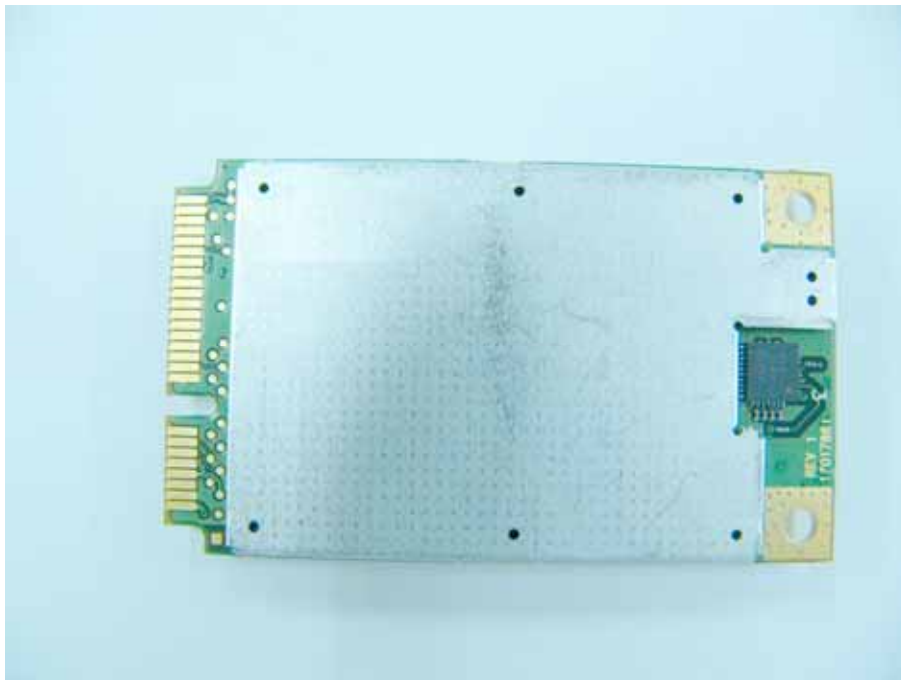


Bluetooth Module inside Bottom View

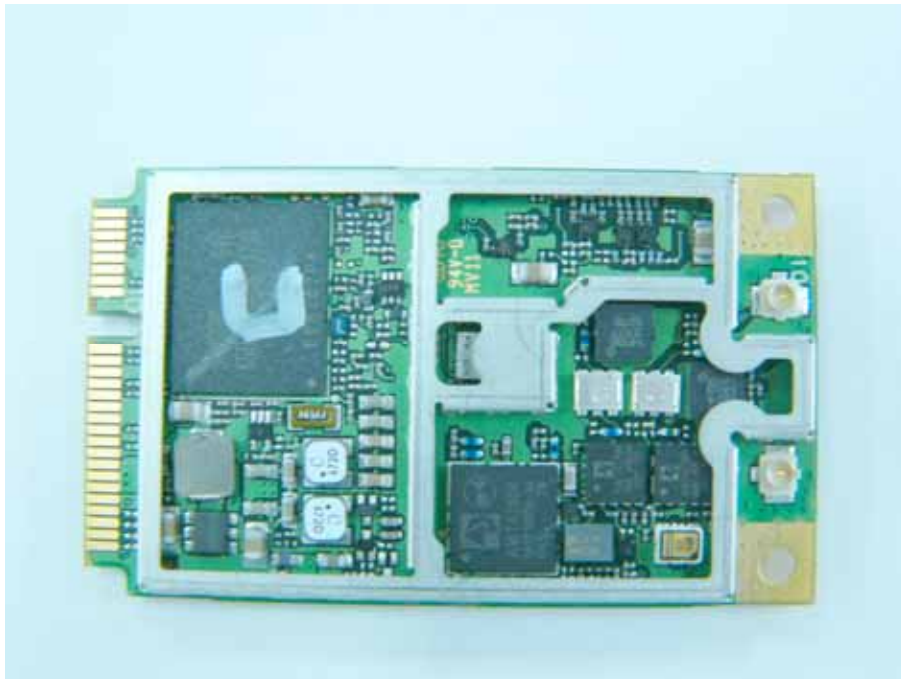
3) WWAN (EU860D)



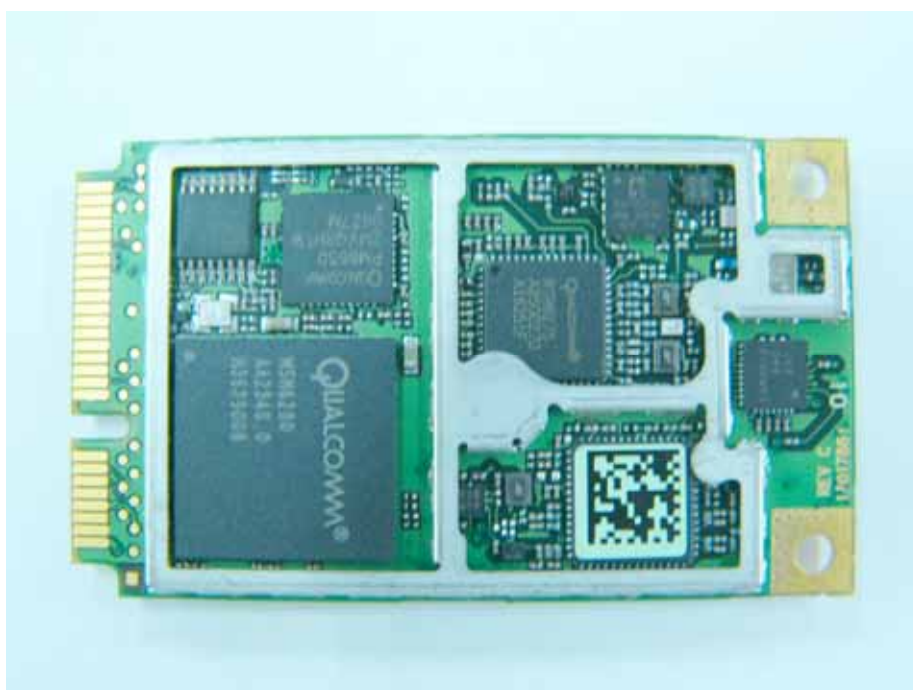
HSDPA Top View



HSDPA Bottom View



HSDPA inside Top View

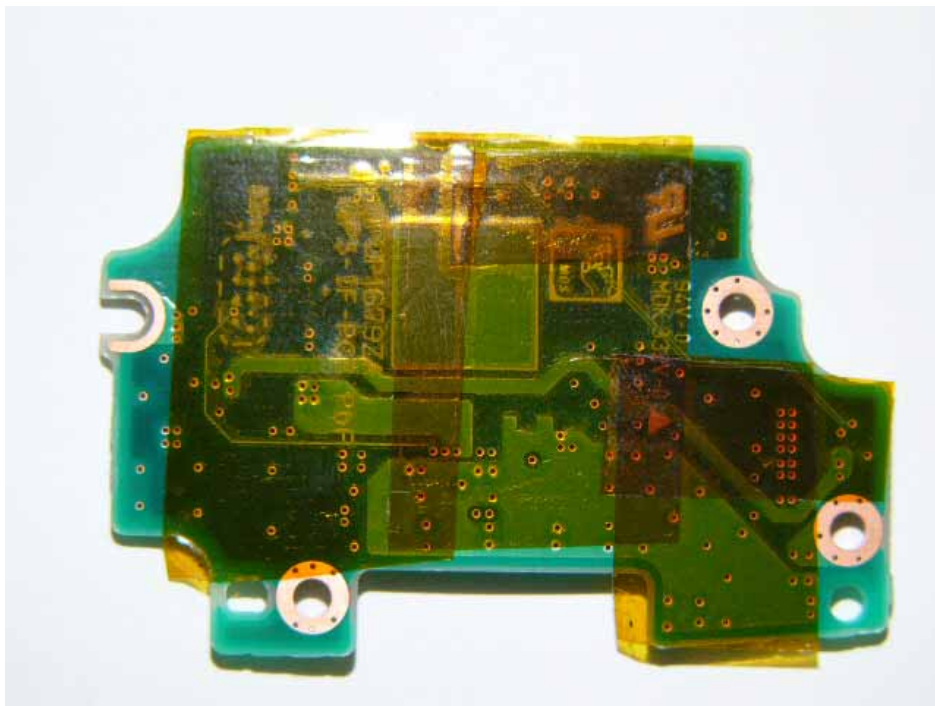


HSDPA inside Bottom View

4) GPS (LR9101) Card exterior



GPS Card Top View



GPS Card Bottom View

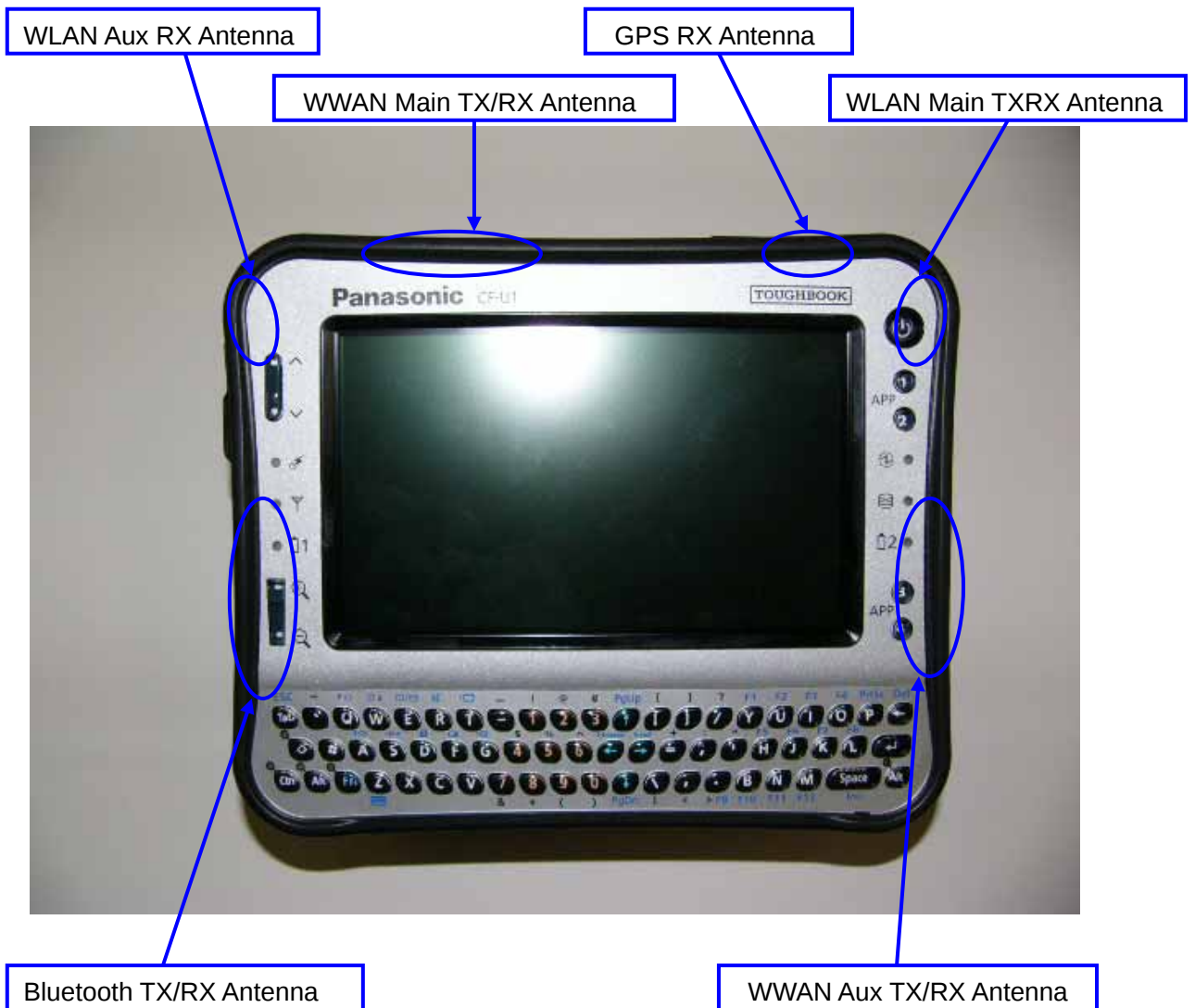


GPS Module inside Top View



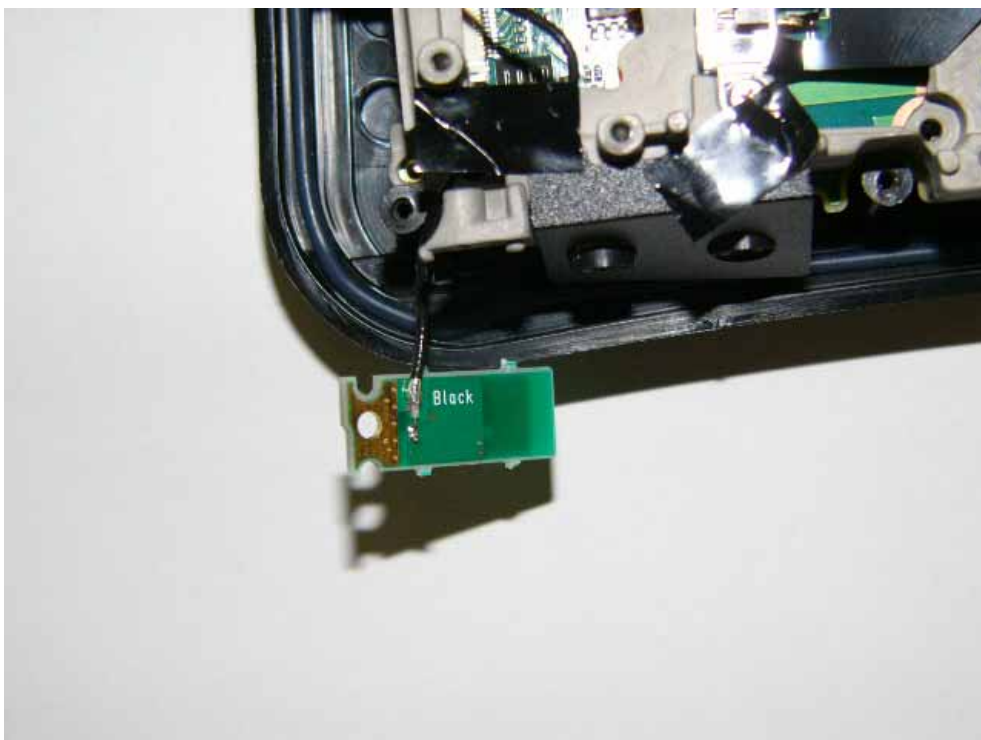
GPS Module inside Bottom View

4. Antenna Position





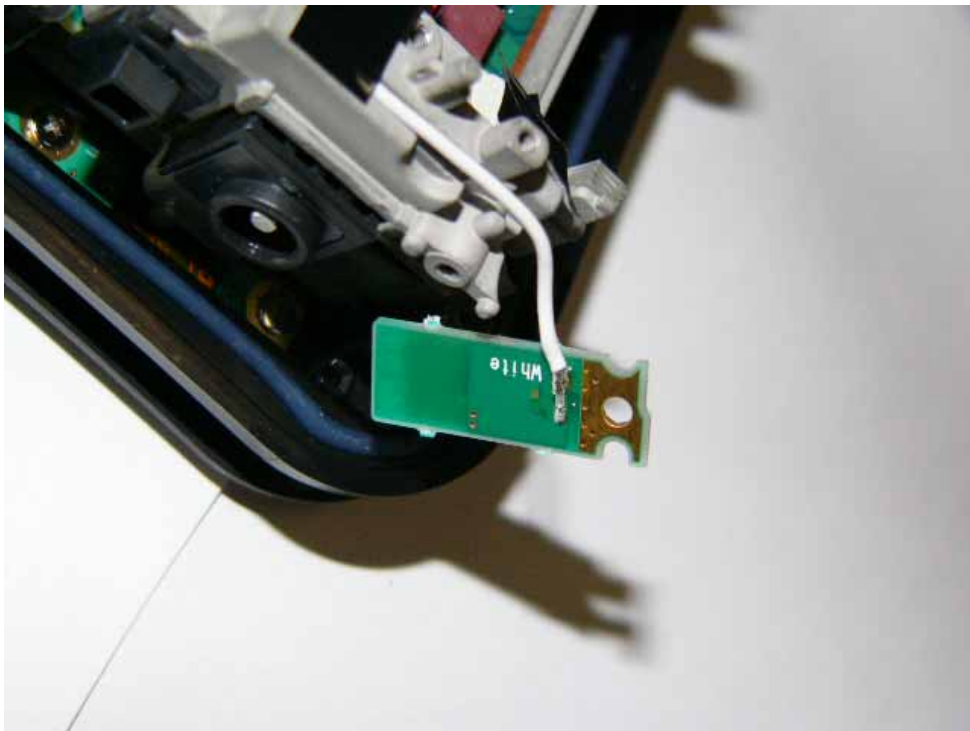
WLAN Main TX/RX Antenna



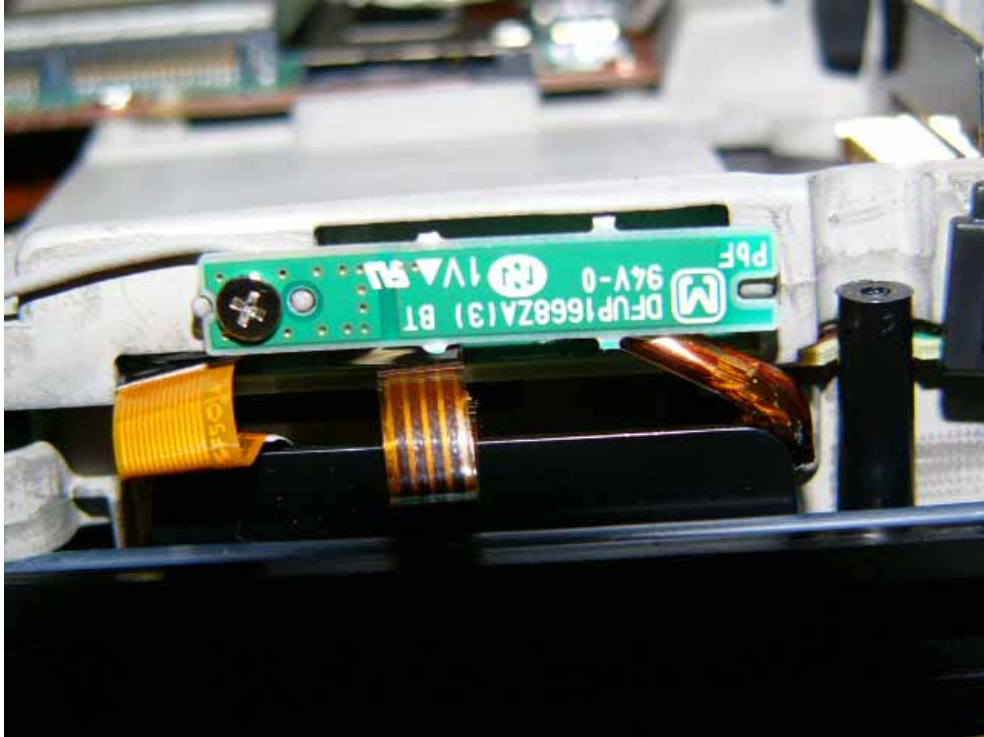
WLAN Main TX/RX Antenna (Reverse side)



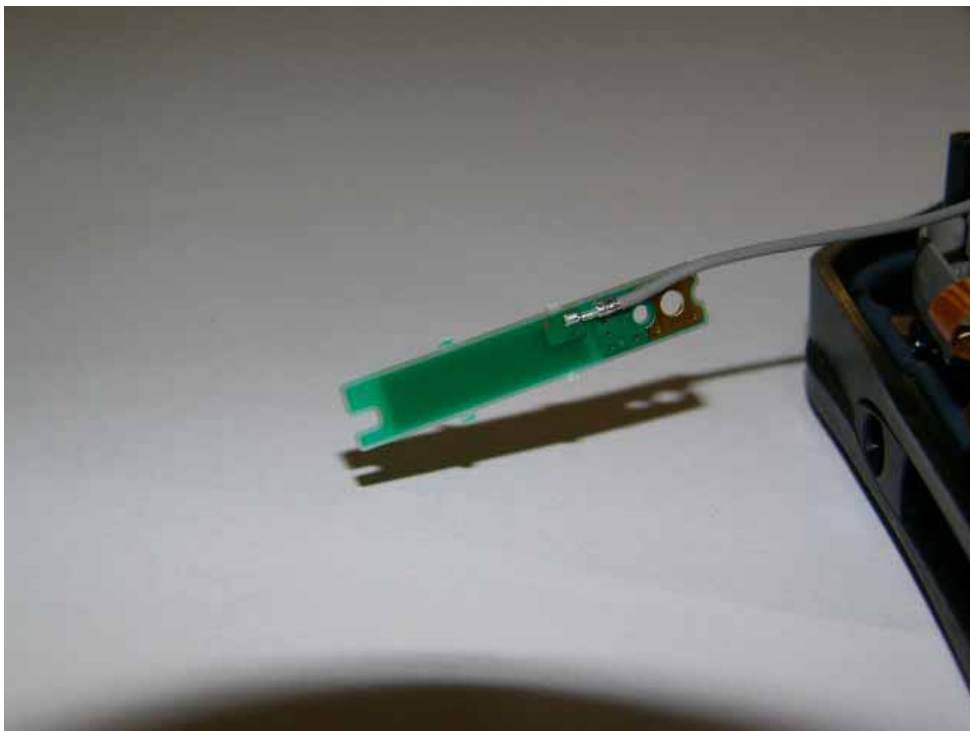
WLAN AUX RX Antenna



WLAN Aux RX Antenna (Reverse side)



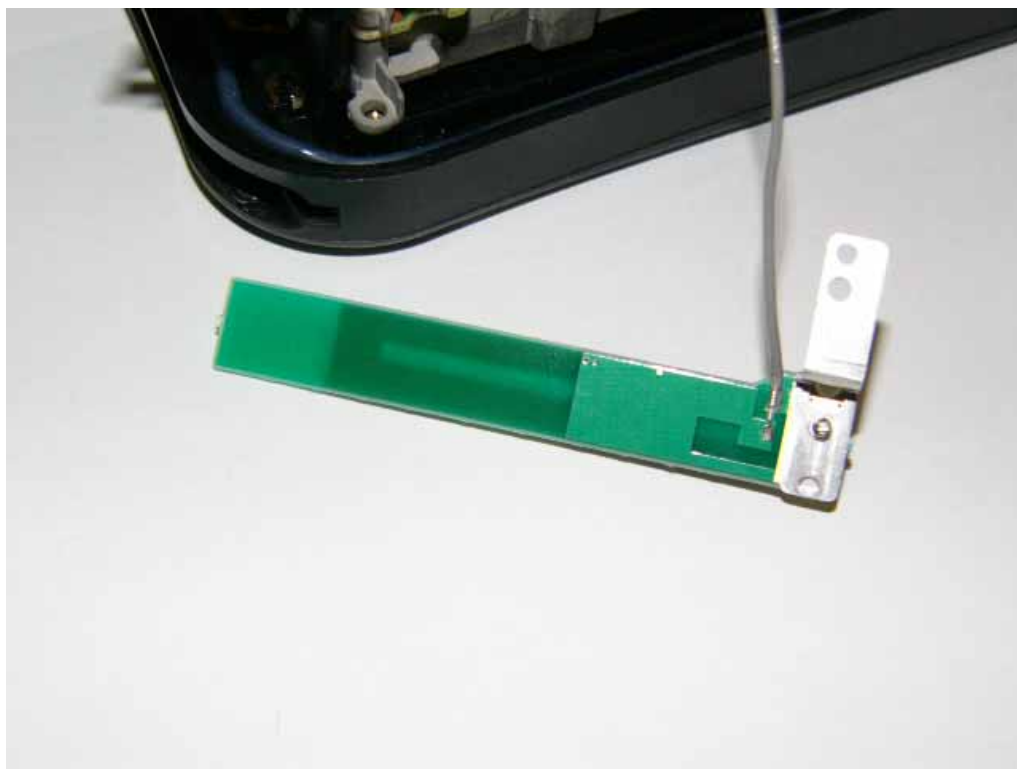
Bluetooth TX/RX Antenna



Bluetooth TX/RX Antenna (Reverse side)



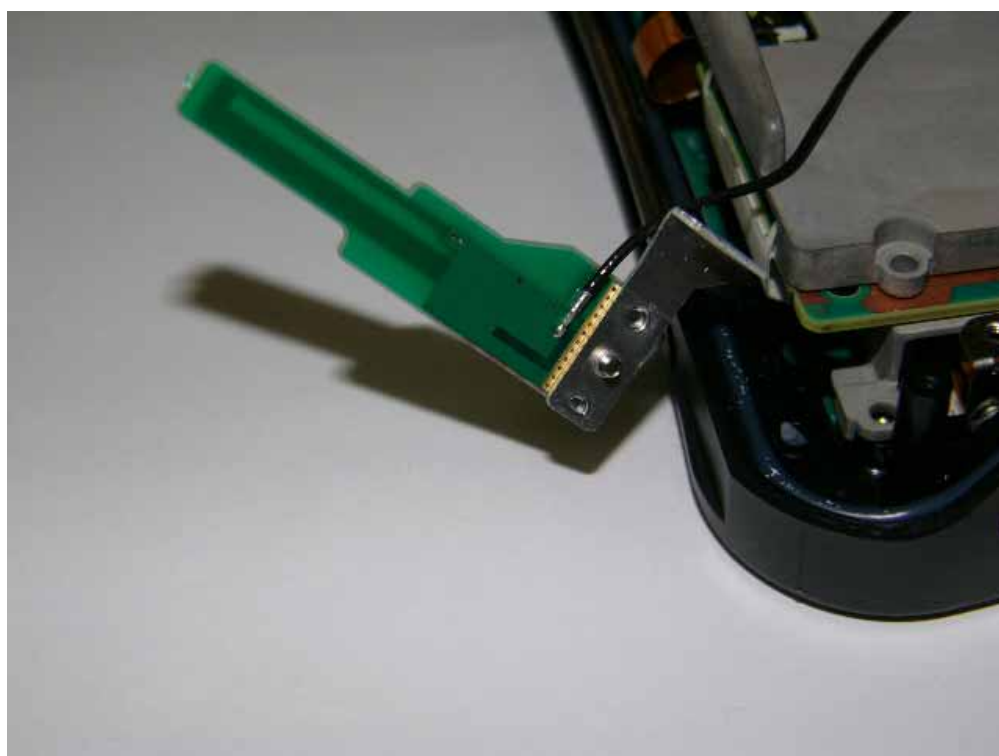
WWAN Main TX/RX Antenna



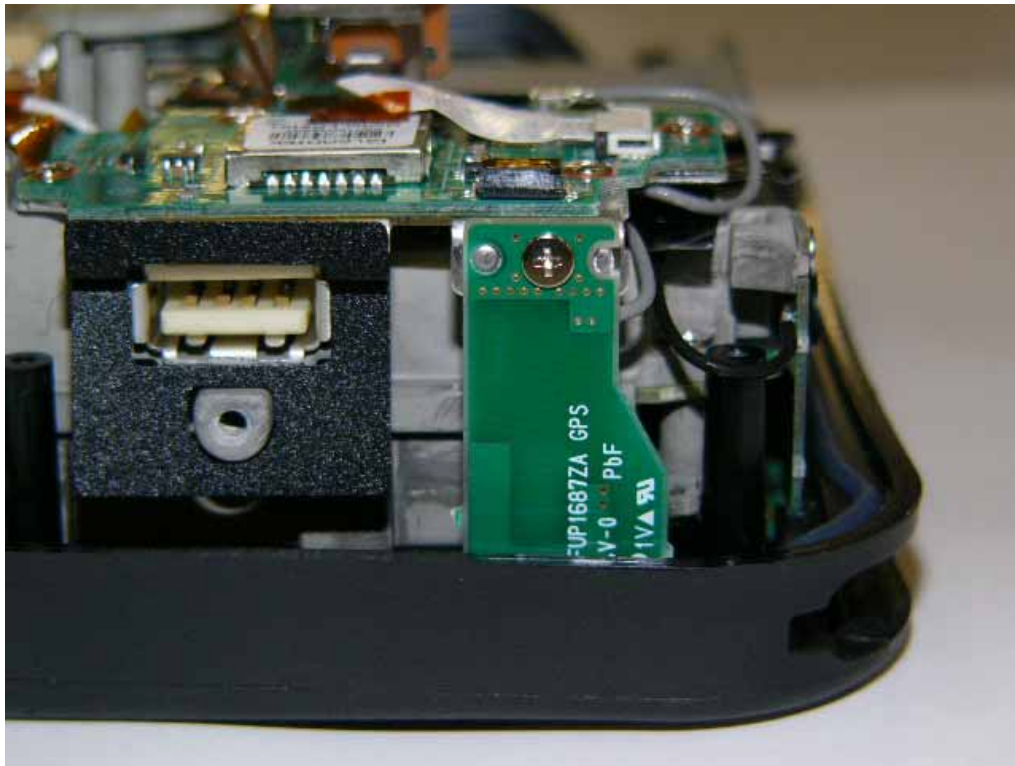
WWAN Main TX/RX Antenna (Reverse side)



WWAN AUX TX/RX Antenna



WWAN AUX TX/RX Antenna (Reverse side)



GPS RX Antenna



GPS RX Antenna (Reverse side)

5. Antenna Specification

WLAN Main TX/RX Antenna: Pattern Antenna

(Inverted F type: 0.82dBi max): 2.4GHz

WLAN Main TX/RX Antenna: Pattern Antenna

(Inverted F type: 2.99dBi max): 5Ghz

WLAN Aux RX only Antenna: Pattern Antenna

Bluetooth TX/RX Antenna: Pattern Antenna

(Inverted F type: -1.35dBi max)

WWAN Main TX/RX Antenna: Pattern Antenna

(Inverted F type: -0.98dBi max): 850MHz

WWAN Main TX/RX Antenna: Pattern Antenna

(Inverted F type: -0.6dBi max): 1900MHz

WWAN Aux RX only Antenna: Pattern Antenna

GPS RX only Antenna: Pattern Antenna