

# Antenna specification

## 1. Antenna location drawing

See the following documents:

- 10-1\_OperationalDescription\_Antenna Drawing\_APYHRO00328.pdf
- 10-2\_OperationalDescription\_Antenna Drawing\_NFC\_APYHRO00328.pdf

## 2. Working principle of multiple antennas

2.1 Antenna Diversity: None.

2.2 Power Mode: None.

## 3. Maximum antenna gain

WWAN antenna:

| Band           | Tx(Etotal) |
|----------------|------------|
| B2 (WCDMA/LTE) | -2.3 dBi   |
| B5 (WCDMA/LTE) | -8.5 dBi   |
| B12 (LTE)      | -10.9 dBi  |
| B17 (LTE)      | -10.9 dBi  |
| B38(LTE)       | -3.3 dBi   |
| B41 (LTE/NR)   | -3.1 dBi   |
| GSM850         | -5.2 dBi   |
| GSM1900        | -2.3 dBi   |

WLAN antenna:

| Band (MHz) | Tx(Etotal) |
|------------|------------|
| 2412-2472  | -1.3 dBi   |
| 5150-5250  | -4.1 dBi   |
| 5250-5350  | -2.4 dBi   |
| 5470-5725  | -0.1 dBi   |
| 5725-5850  | -0.8 dBi   |

Bluetooth antenna:

| Band (MHz) | Tx(Etotal) |
|------------|------------|
| 2402-2480  | -1.3 dBi   |

#### 4. Maximum beamforming gain

Don' t use beamforming technology.

#### 5. The state of antenna simultaneous transmission

See the following documents :

- 16\_Simultaneous\_Tx\_Combination\_List\_APYHRO00328.pdf

Note : WiFi 2.4GHz and BT are time-division exclusive control, so they will not operate at the same time.

#### 6. Type of antenna

All antenna: PIFA