

Overview data of evaluation

| Antenna | TYPE | SIZE |
|---------------------------|------|-------------|
| UP Antenna | FPC | 73.4x10.6mm |
| Down Antenna | FPC | 1.85x31mm |
| GPS/BT/2.4G WIFI Antennae | FPC | 22.35x6mm |
| 5G WIFI Antenna | FPC | 7.5x7.8mm |

UP Antenna

| Band | Gain average(dBi) | Gain Peak (dBi) |
|----------------------------|-------------------|-----------------|
| GSM 900/UMTS B8/LTE B8 | -7.9 | -3.3 |
| GSM 850/UMTS B5/LTE B5/B20 | -7.3 | -3.8 |
| LTE B13/28 | -7.2 | -3.4 |
| LTE B12/17 | -6.4 | -2.6 |
| GSM1800/B3 | -8.1 | -5.2 |
| GSM1900/UMTS B2/LTE B2 | -7.9 | -5 |
| UMTS B1/LTE B1/4/66 | -5.3 | -0.6 |
| LTE B40 | -7.7 | -3.8 |
| LTE B7/38/41 | -6.7 | -3 |

Down Antenna

| Band | Gain average(dBi) | Gain Peak (dBi) |
|----------------------------|-------------------|-----------------|
| GSM 900/UMTS B8/LTE B8 | -9.9 | -6 |
| GSM 850/UMTS B5/LTE B5/B20 | -10.4 | -6.7 |
| LTE B13/28 | -9.9 | -6.2 |
| LTE B12/17 | -10.2 | -6.3 |
| GSM1800/B3 | -3.8 | 0.3 |
| GSM1900/UMTS B2/LTE B2 | -4.1 | 0.3 |
| UMTS B1/LTE B1 | -6.2 | -1.6 |
| UMTS B4 /LTE B4/66 | -6.1 | -1.7 |

| | | |
|--------------|------|------|
| LTE B40 | -3.7 | 1.5 |
| LTE B7/38/41 | -4.6 | -1.7 |

| GPS/2.4G WIFI Antennae | | |
|-------------------------------|-------------------|-----------------|
| Band | Gain average(dBi) | Gain Peak (dBi) |
| GPS | -5.3 | -1 |
| 2.4G WIFI | -5.1 | -1.5 |
| BT | -5.1 | -1.5 |
| 5G WIFI Antennae | | |
| Band | Gain average(dBi) | Gain Peak (dBi) |
| 5G WIFI | -5.6 | 1.5 |

