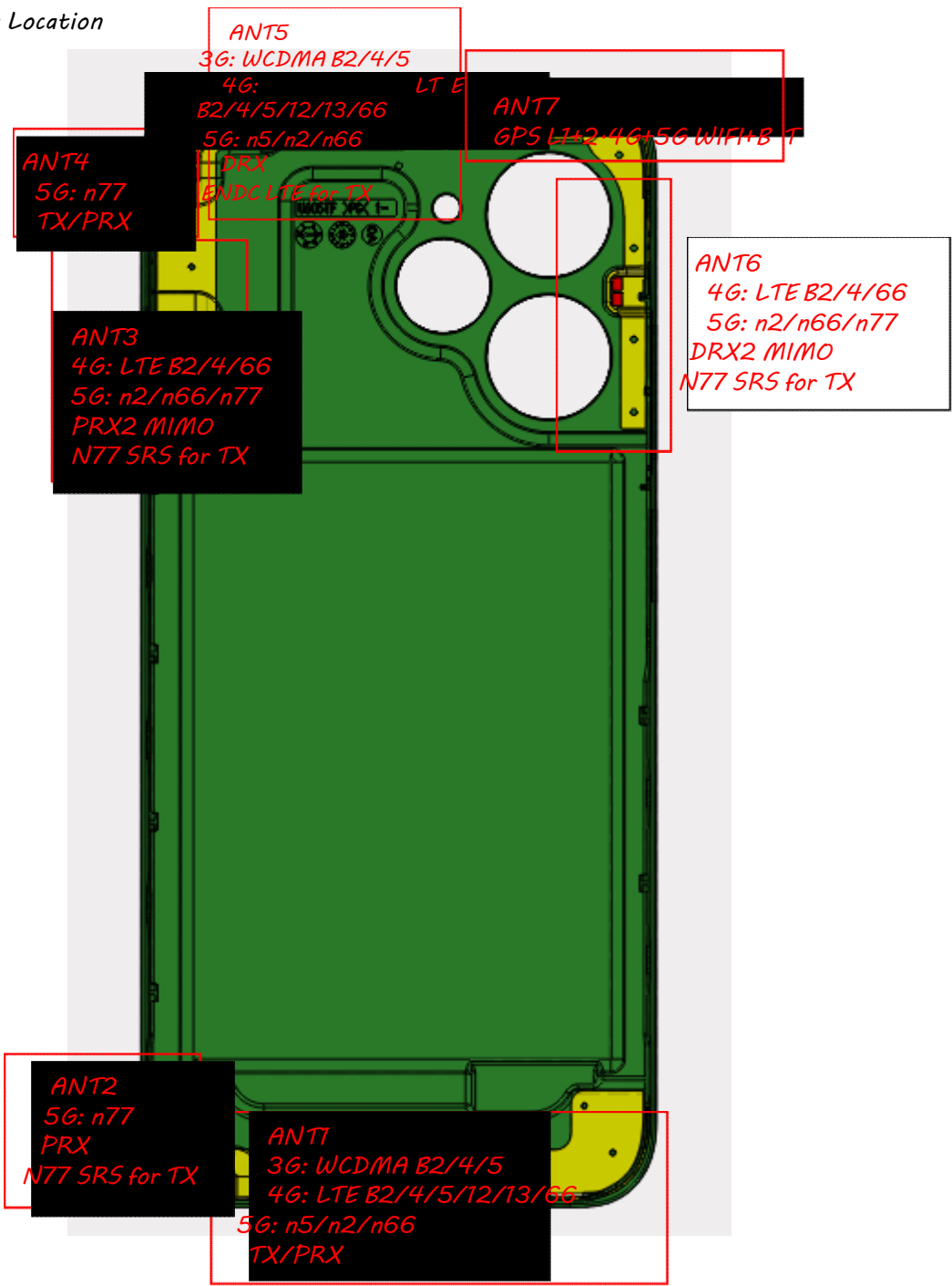
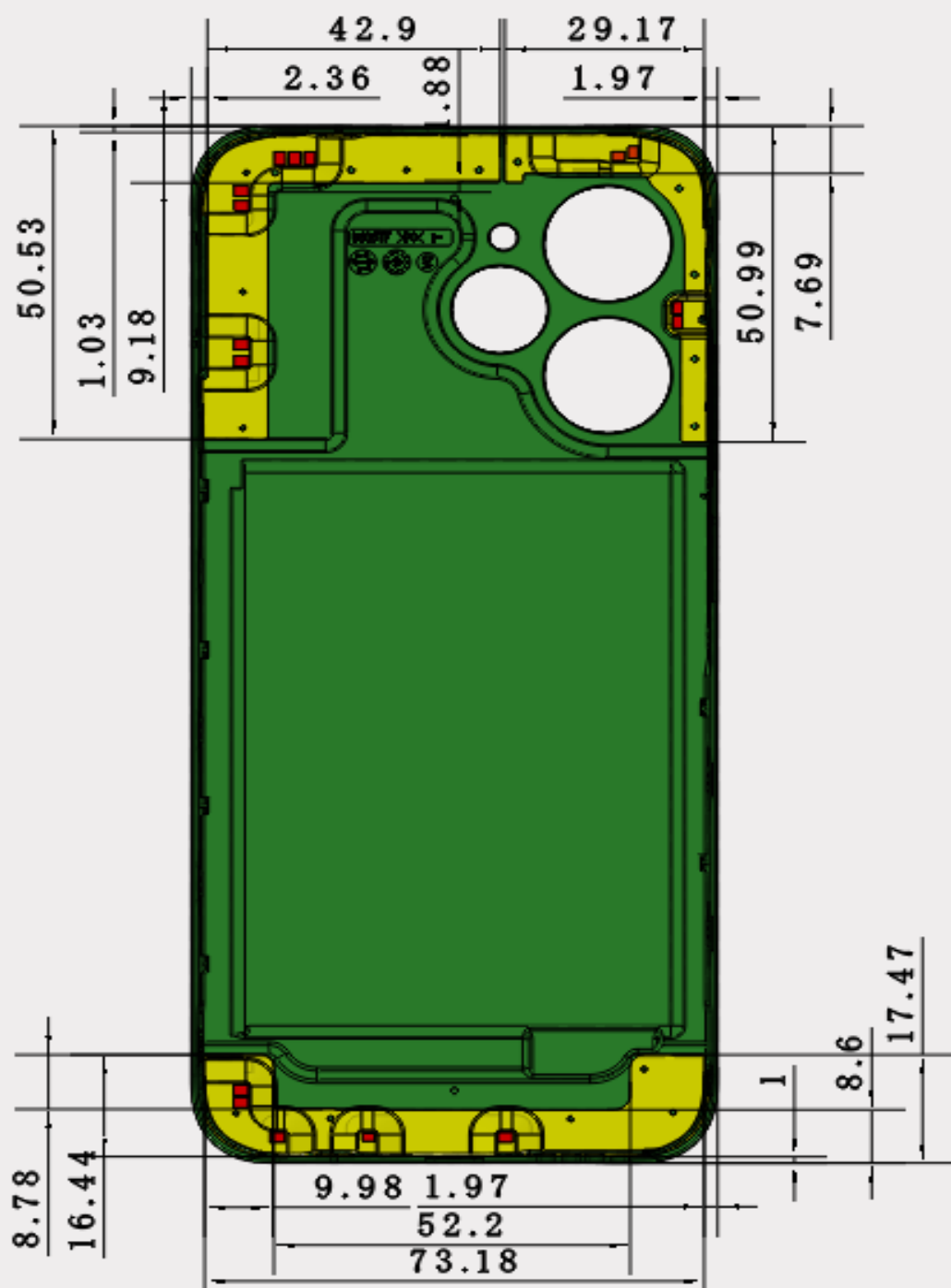


B1660V Antenna Report

1·Antenna Location



2·Antenna Pattern



| Band    | Main Antenna(dBi)-ANT1 |         | Div Antenna(dBi)-ANT5 |         |
|---------|------------------------|---------|-----------------------|---------|
|         | Peak                   | Average | Peak                  | Average |
| WB2     | -2.38                  | -3.15   | -0.25                 | -0.86   |
| WB4     | -0.08                  | -0.83   | -0.21                 | -1.26   |
| WB5     | -2.05                  | -2.33   | -4.93                 | -5.3    |
| LTE B2  | -2.38                  | -3.15   | -0.25                 | -0.86   |
| LTE B4  | -0.08                  | -0.83   | -0.21                 | -1.26   |
| LTE B5  | -2.05                  | -2.33   | -4.93                 | -5.3    |
| LTE B12 | -2.58                  | -2.86   | -7.22                 | -7.34   |
| LTE B13 | -2.45                  | -2.81   | -6.87                 | -7.22   |
| LTE B66 | -0.08                  | -0.82   | -0.21                 | -1.21   |
| NSA N2  | -2.38                  | -3.15   | -0.25                 | -0.86   |
| NSA N5  | -2.05                  | -2.33   | -4.93                 | -5.3    |
| NSA N66 | -0.08                  | -0.82   | -0.21                 | -1.21   |

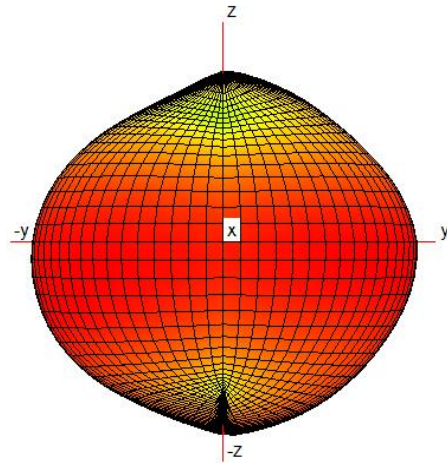
| Band    | PRX-MIMO Antenna(dBi)-ANT3 |         | DRX-MIMO Antenna(dBi)-ANT6 |         |
|---------|----------------------------|---------|----------------------------|---------|
|         | Peak                       | Average | Peak                       | Average |
| LTE B2  | -0.69                      | -1.01   | -3.11                      | -4.50   |
| LTE B4  | -1.88                      | -3.21   | -2.91                      | -3.24   |
| LTE B66 | -1.88                      | -4.05   | -2.91                      | -3.51   |
| NSA N2  | -0.69                      | -1.01   | -3.11                      | -4.50   |
| NSA N66 | -1.88                      | -4.05   | -2.91                      | -3.51   |
| NSA N77 | -3.8                       | -4.1    | -0.08                      | -0.41   |

| Band    | N77-PRX Antenna(dBi)-ANT4 |         | N77-DRX Antenna(dBi)-ANT2 |         |
|---------|---------------------------|---------|---------------------------|---------|
|         | Peak                      | Average | Peak                      | Average |
| NSA N77 | 0.21                      | -0.19   | -1.23                     | -2.13   |

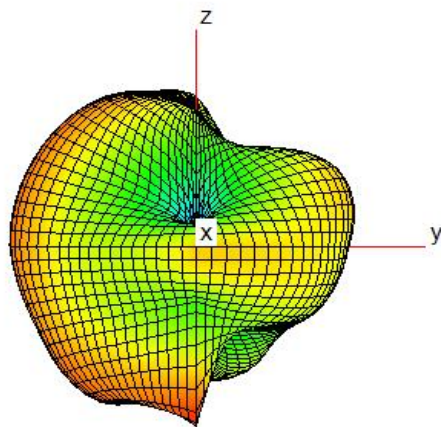
| Band        | WCN Antenna(dBi)-ANT7 |         |
|-------------|-----------------------|---------|
|             | Peak                  | Average |
| GPS         | 0.77                  | 0.77    |
| BT/2.4gWiFi | 0.17                  | -0.18   |
| 5gWiFi      | 1.7                   | 0.68    |

### 3. Simple Antenna Pattern Plot

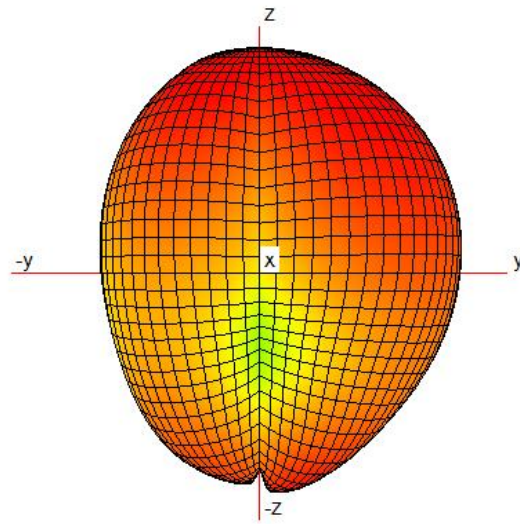
#### a. Main Antenna-ANT1



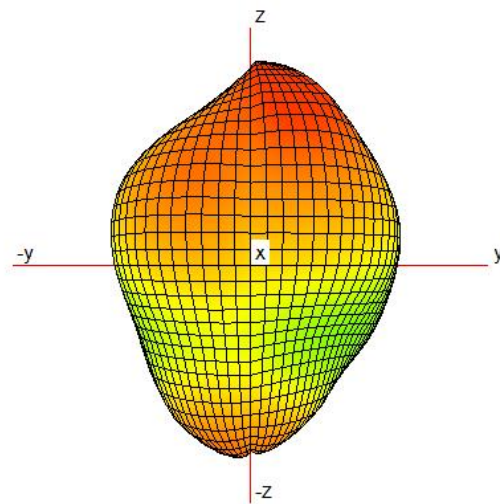
#### b. Div Antenna-ANT5



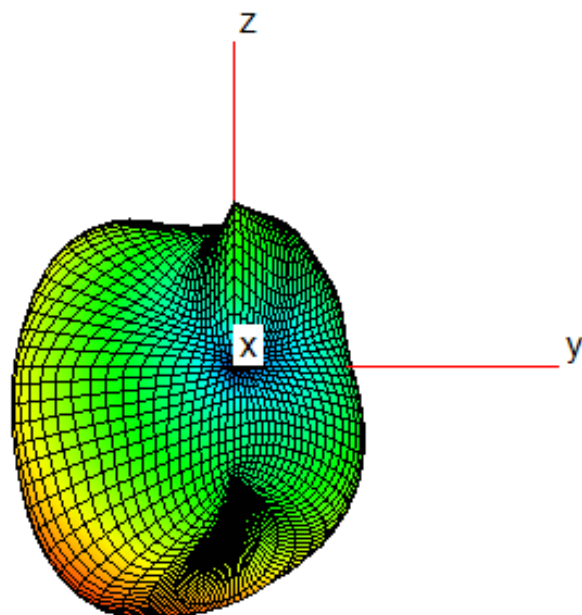
#### c. PRX-MIMO Antenna-ANT3



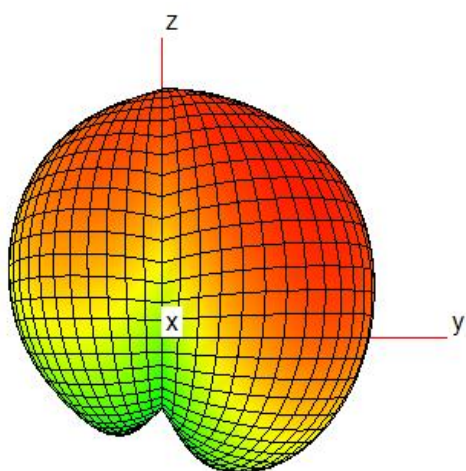
*d. DRX-MIMO Antenna-ANT6*



*e. N77-PI*



*f* N77-DRX Antenna-ANT2



*g* GPS/BT/WiFi Antenna-ANT7