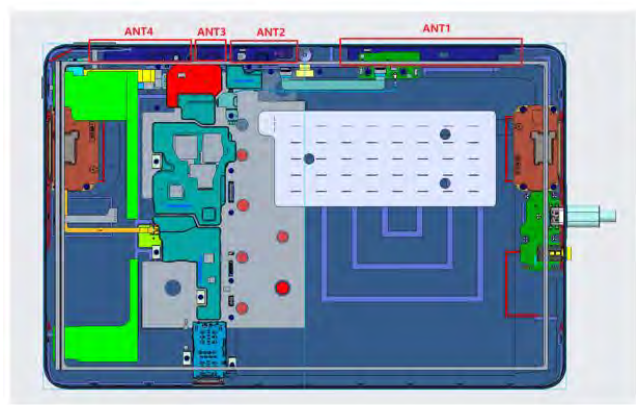


## Electric Specifications

| TYPE                            |                                                                  |
|---------------------------------|------------------------------------------------------------------|
| Transmitter Frequency           | GSM900/WCDMA B8/LTE B8: 880-912MHz                               |
|                                 | GSM1800/WCDMA B4/LTE B3/B4/B66: 1710-1785MHz                     |
|                                 | GSM1900/WCDMA B2/B2/LTE B25: 1850-1915MHz                        |
|                                 | WCDMA B1/LTE B1: 1920-1980MHz                                    |
|                                 | LTE B5/WCDMA5/GSM850: 824-849MHz                                 |
|                                 | LTE B20/B26:814-862MHz                                           |
|                                 | LTE B13: 777-787MHz                                              |
|                                 | LTE B28/B17/B12:703-748MHz                                       |
|                                 | LTE B40:2300-2400MHz                                             |
|                                 | LTE B7/B38/B41:2496-2690MHz                                      |
| Received Frequency              | GSM900/WCDMA B8/LTE B8: 925-960MHz                               |
|                                 | GSM1800/WCDMA B4/LTE B3/B4/B66:1805-2180MHz                      |
|                                 | GSM1900/WCDMA B2/LTE B2/B25: 1930-2000MHz                        |
|                                 | LTE B1/WCDMA B1: 2110-2170MHz                                    |
|                                 | LTE B40:2300-2400MHz                                             |
|                                 | LTE B7/38/41: 2496-2690MHz                                       |
|                                 | GSM850/WCDMA B5/LTE B5: 869-894MHz                               |
|                                 | LTE B20/B26: 791-894MHz                                          |
|                                 | LTE B12/17: 729-746MHz                                           |
|                                 | LTE B13: 746-756MHz                                              |
| RF-Output Power<br>(E. I. R. P) | GSM850/900:33+/-2dbm                                             |
|                                 | DCS/PCS:30+/-2dbm                                                |
|                                 | WCDMA B1/2/4/5/8 23+/-2dbm                                       |
|                                 | LTE B1/2/3/4/5/7/8/12/17/20/B25/B26/28/66/<br>38/40/41:23+/-2dbm |
| Antenna Gain(Peak<br>Gain)      | GSM900/WCDMA B8/LTE B8: -0.56                                    |
|                                 | GSM1800/WCDMA B4/LTE B3/B4/B66: 1.72                             |
|                                 | GSM1900/WCDMA B2/B2/LTE B25: 0.56                                |
|                                 | WCDMA B1/LTE B1: 0.95                                            |
|                                 | LTE B5/WCDMA5/GSM850: 0.92                                       |
|                                 | LTE B20/B26:0.36                                                 |
|                                 | LTE B13: -3.2                                                    |
|                                 | LTE B28/B17/B12:-2.45                                            |
|                                 | LTE B40:1.56                                                     |
|                                 | LTE B7/B38/B41:2.54                                              |
|                                 | WIFI 2.4G:2.19                                                   |
|                                 | WIFI 5G:2.32                                                     |
|                                 | GPS:-0.86                                                        |
|                                 |                                                                  |

|                    |                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of Modulation | GMSK/8PSK(GSM)<br>QPSK/16QAM/64QAM(DL Only) (WCDMA/dual-cell HSDPA/HSUPA)<br>QPSK/16QAM/64QAM/256QAM(DL Only)(LTE)<br>QPSK/16QAM/64QAM/256 QAM(NR)<br>BPSK/QPSK/16QAM/64QAM/256QAM/DSSS/OFDM/ CCK (WIFI 2.4GHz and 5GHz b/g/n/a/ac)<br>GFSK/ $\pi$ /4-DQPSK/ 8-DPSK(Bluetooth) |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

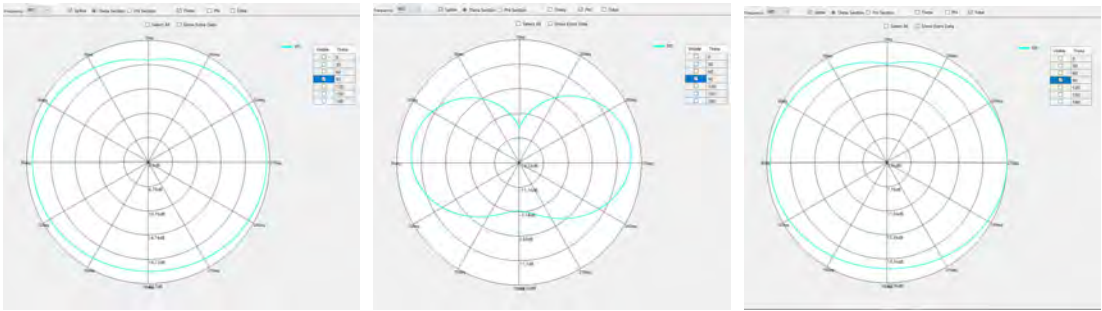
Antenna size



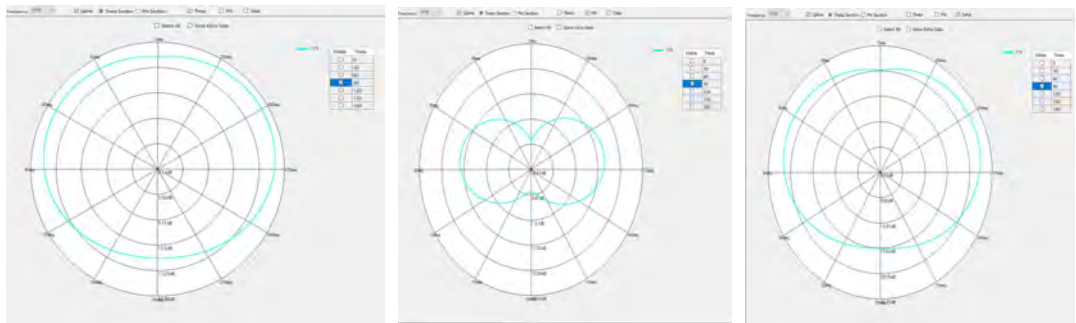
| Ant list | BAND                                                                                                               |
|----------|--------------------------------------------------------------------------------------------------------------------|
| Ant1主集   | 2G:<br>B2/B3/B5/B8<br>3G:<br>B1/B2/B4/B5/B8<br>4G:<br>B1 2 3 4 5 7 8 12 13 17 20 25 26 28A 28B 38 41 (Full)  40 66 |
| Ant2     | 2.4G WIFI+GPS                                                                                                      |
| Ant3     | 5G WIFI                                                                                                            |

ANT0

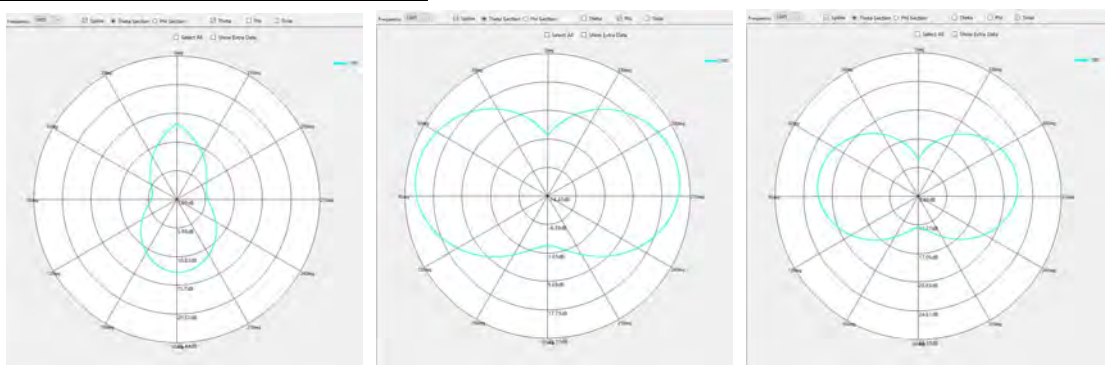
|            |       |
|------------|-------|
| band       | Gain  |
| G900/W8/B8 | -0.56 |



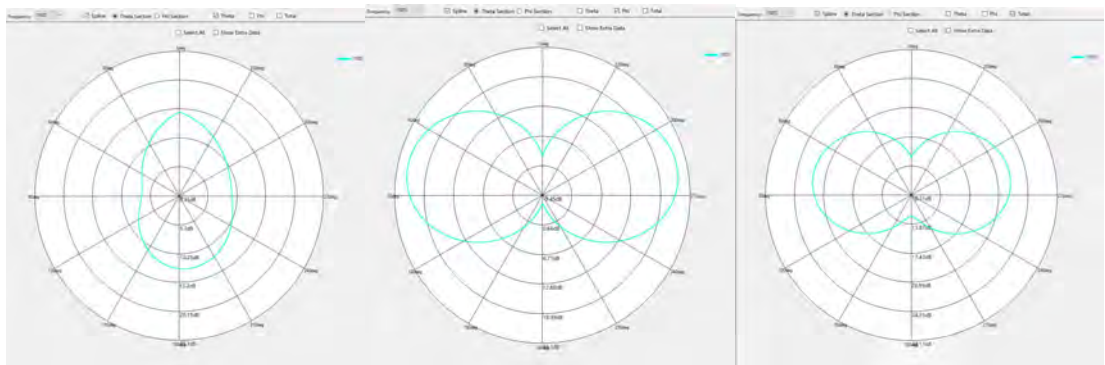
|                    |      |
|--------------------|------|
| band               | Gain |
| G1800/W4/B3/B4/B66 | 1.72 |



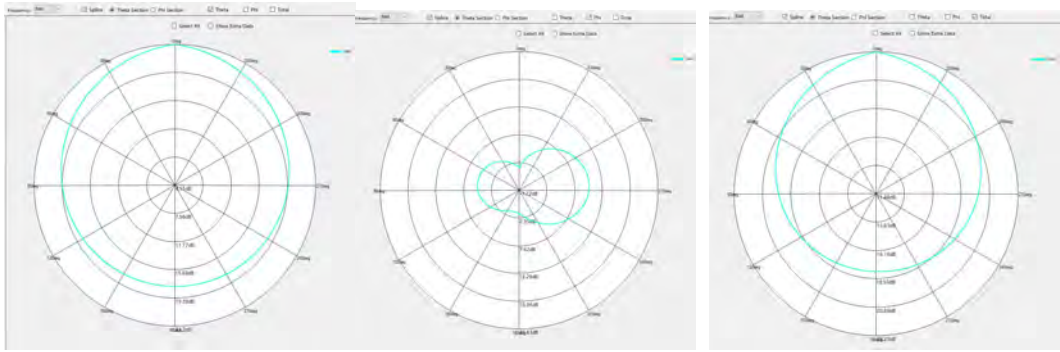
| band                 | Gain |
|----------------------|------|
| G1900/W2/B2<br>/B25/ | 0.56 |



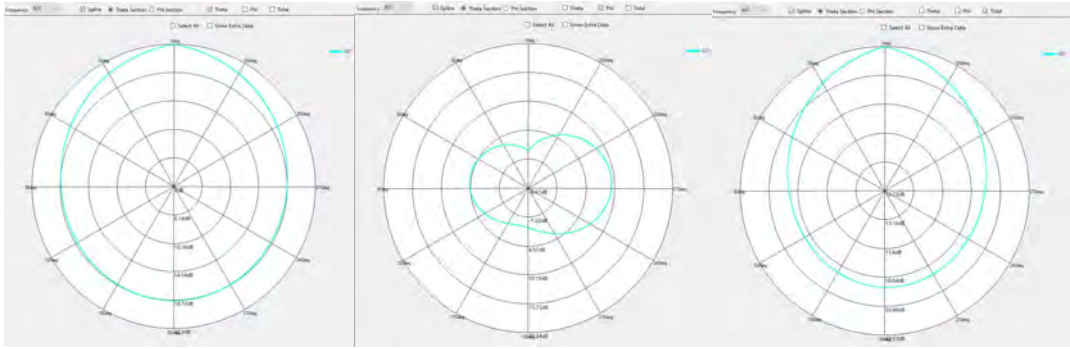
| band  | Gain |
|-------|------|
| B1/W1 | 0.95 |



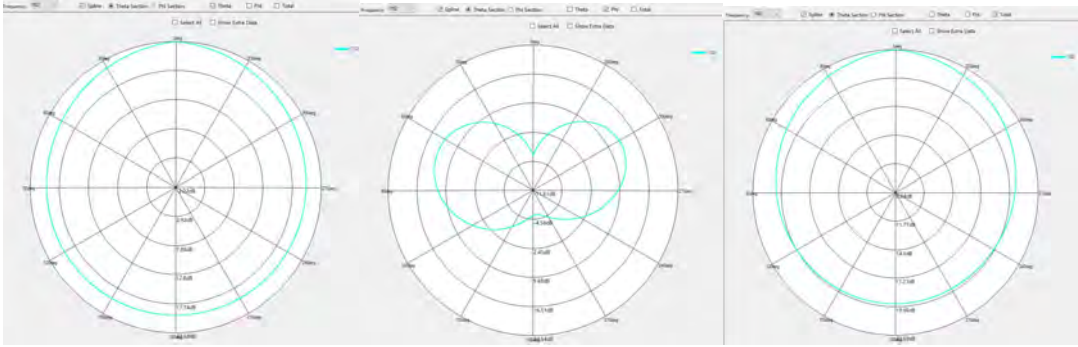
| band       | Gain |
|------------|------|
| B5/W5/G850 | 0.92 |



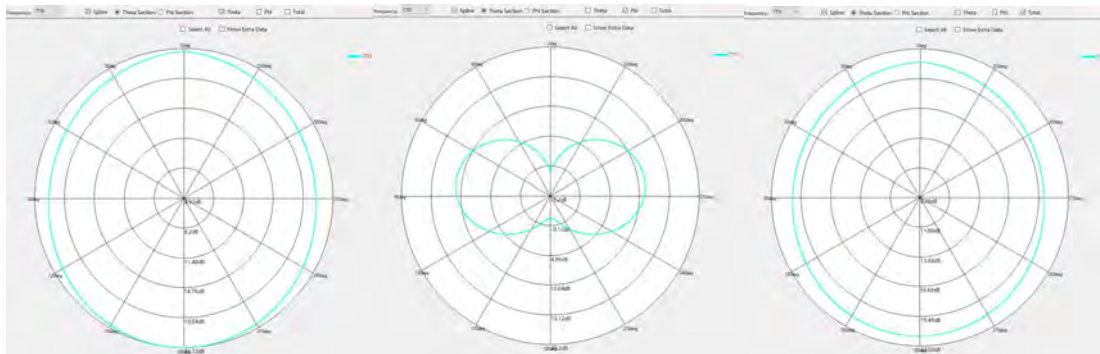
| band    | Gain |
|---------|------|
| B20/B26 | 0.36 |



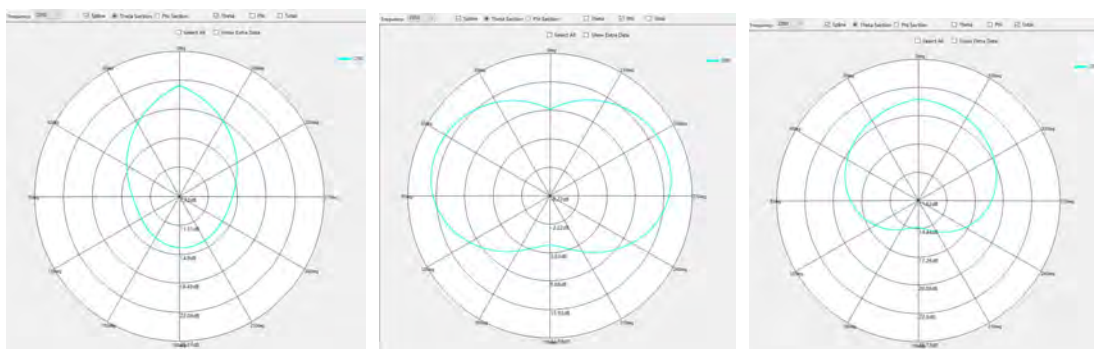
| band | Gain |
|------|------|
| B13  | -3.2 |



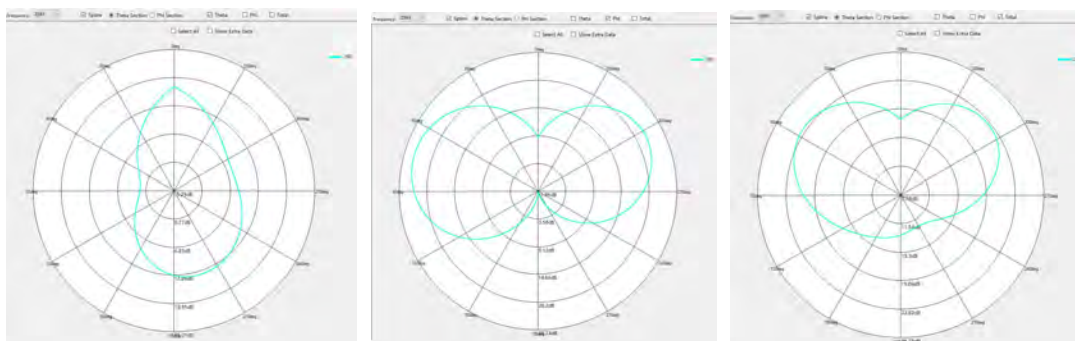
| band        | Gain  |
|-------------|-------|
| B28/B17/B12 | -2.45 |



|      |      |
|------|------|
| band | Gain |
| B40  | 1.56 |

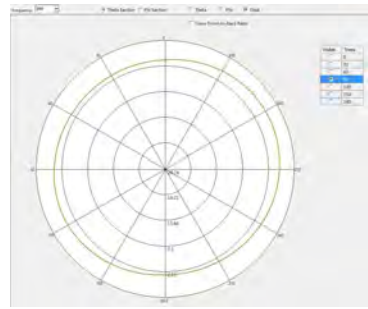
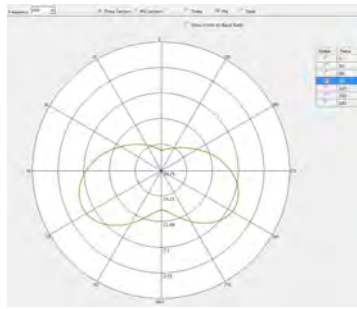
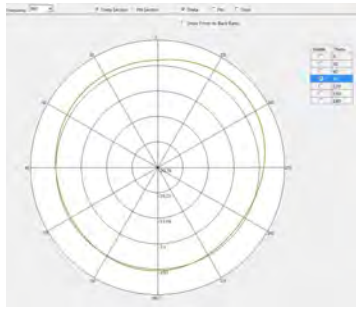


|            |      |
|------------|------|
| band       | Gain |
| B7/B38/B41 | 2.52 |

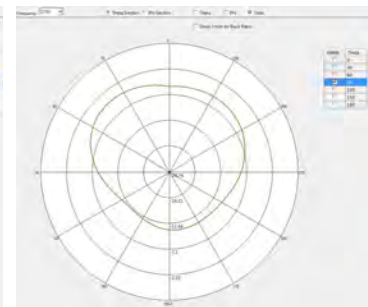
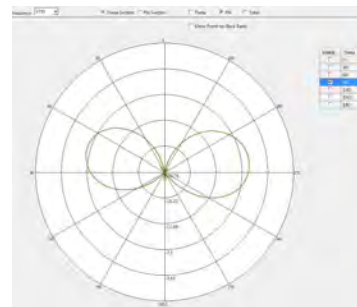
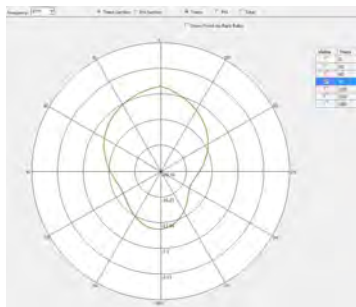


## ANT4

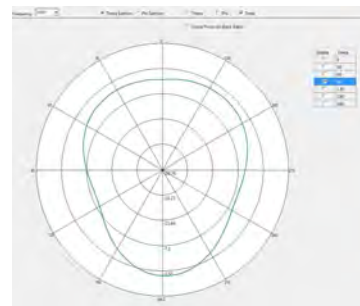
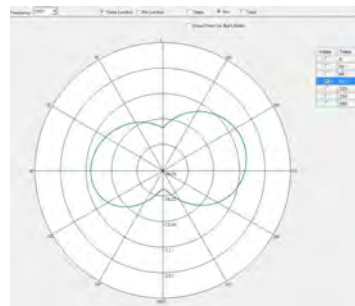
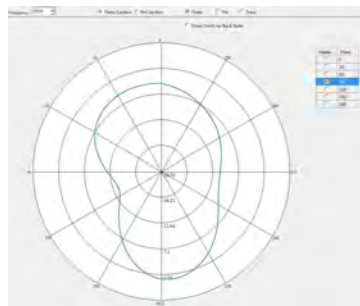
|            |       |
|------------|-------|
| band       | Gain  |
| G900/W8/B8 | -4.71 |



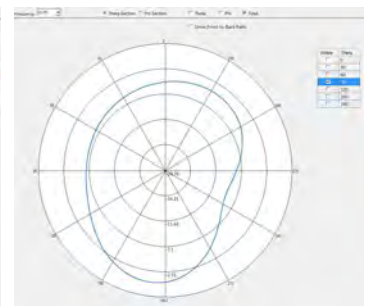
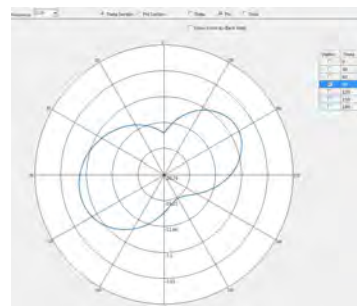
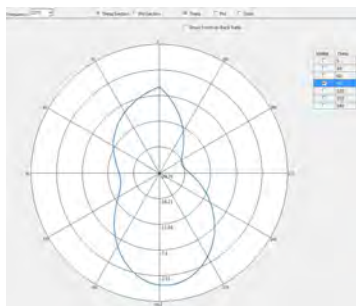
| band               | Gain   |
|--------------------|--------|
| G1800/W4/B3/B4/B66 | -1. 58 |



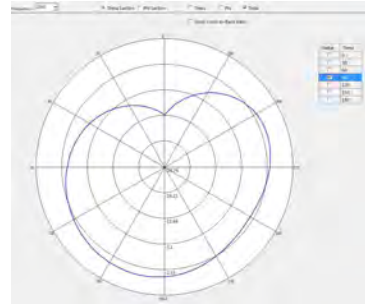
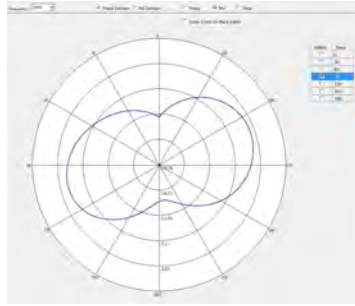
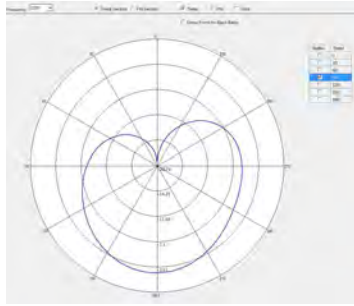
| band            | Gain   |
|-----------------|--------|
| G1900/W2/B2/B25 | -1. 36 |



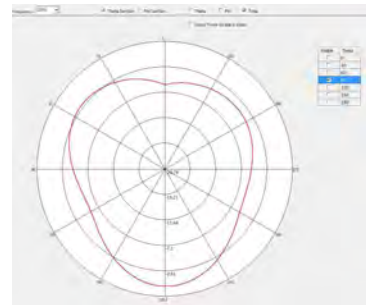
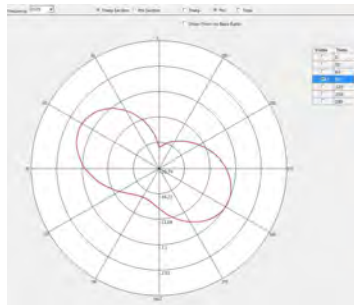
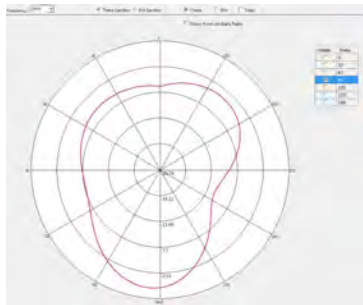
| band  | Gain  |
|-------|-------|
| B1/W1 | 1. 95 |



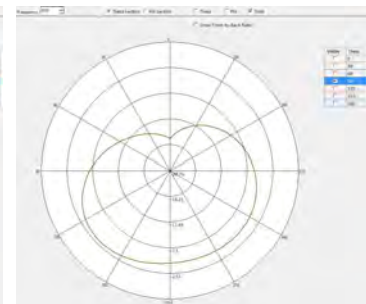
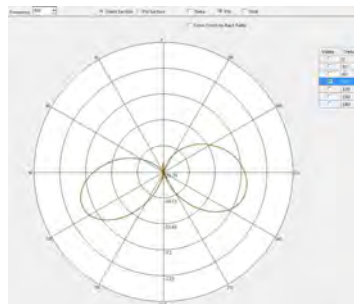
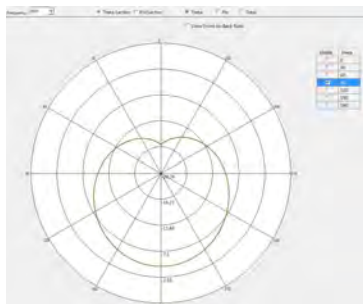
| band | Gain  |
|------|-------|
| B40  | 2. 53 |



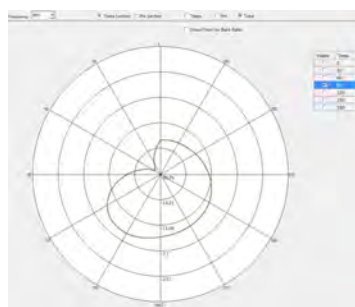
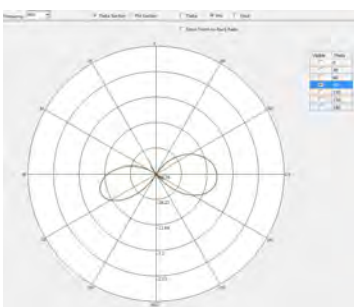
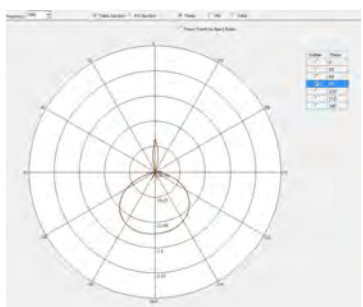
| band     | Gain |
|----------|------|
| B7/38/41 | 1.37 |



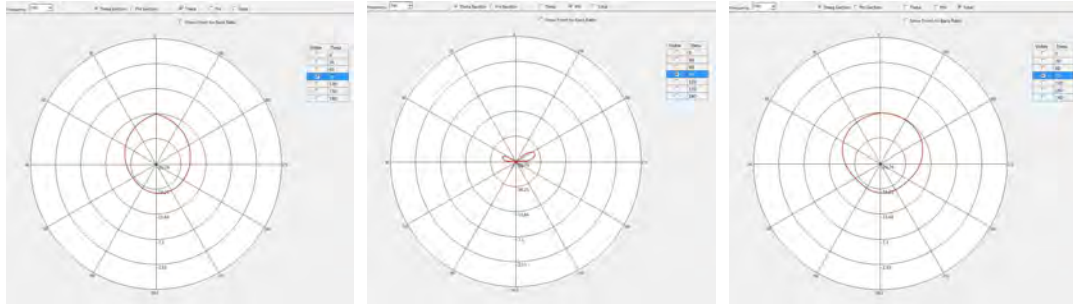
| band       | Gain  |
|------------|-------|
| G850/W5/B5 | -5.37 |



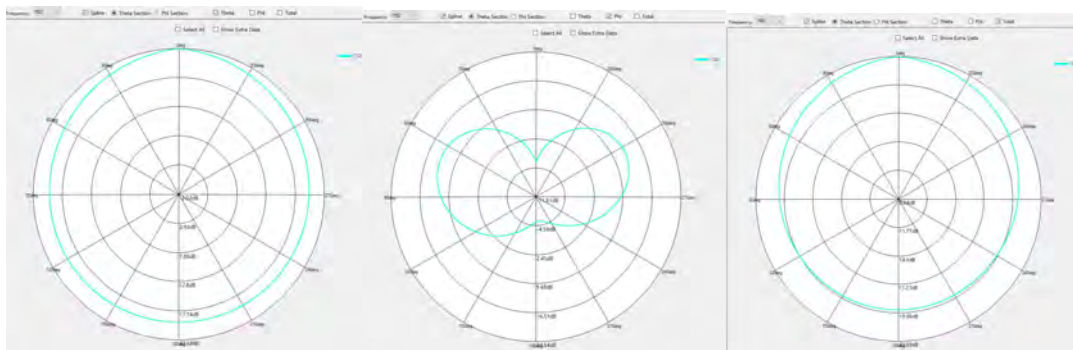
| band    | Gain  |
|---------|-------|
| B20/B26 | -5.88 |



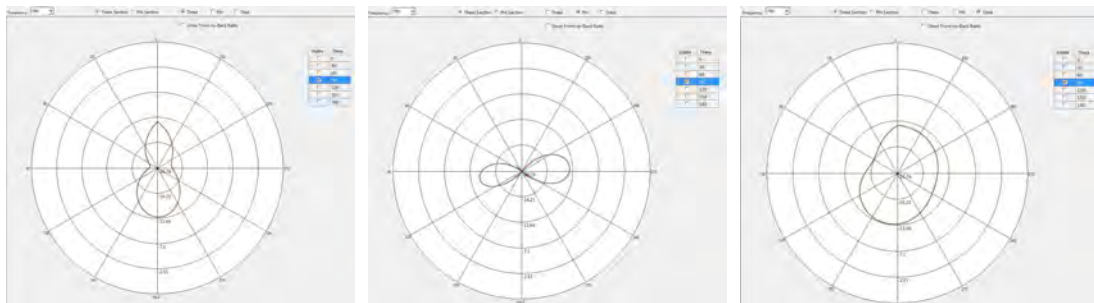
| band   | Gain  |
|--------|-------|
| B12/17 | -8.72 |



| band | Gain |
|------|------|
| B13  | -9.8 |

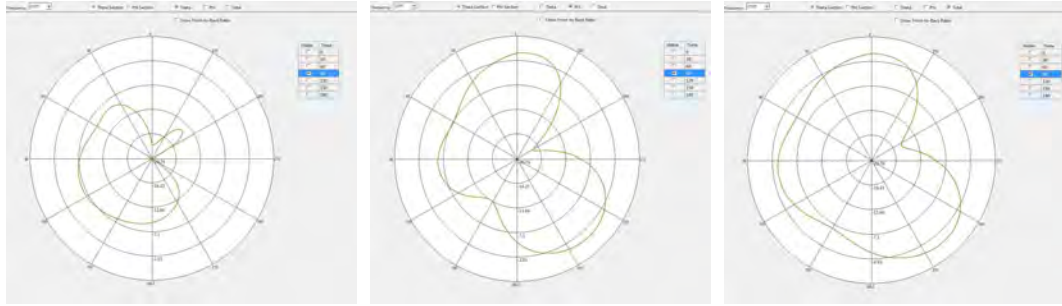


| band | Gain  |
|------|-------|
| B28  | -7.56 |

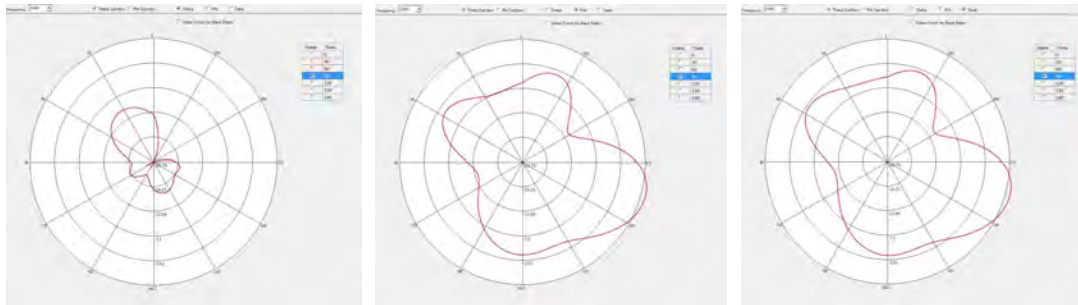


## ANT2

| band | Gain  |
|------|-------|
| GPS  | -0.86 |



| band      | Gain |
|-----------|------|
| WIFI 2.4G | 2.19 |



## ANT3

| band    | Gain |
|---------|------|
| WIFI 5G | 2.32 |

