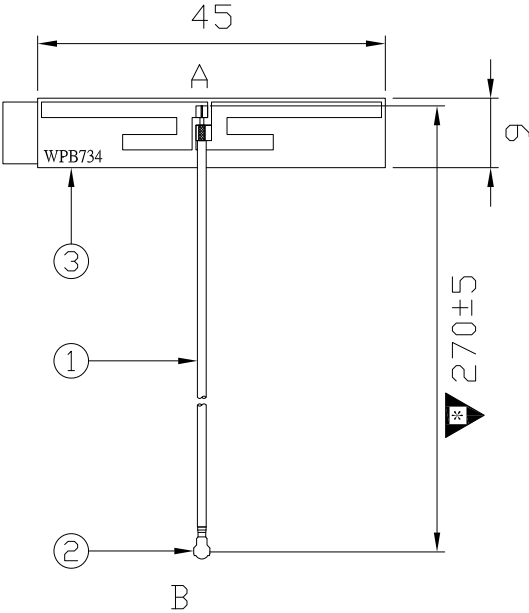
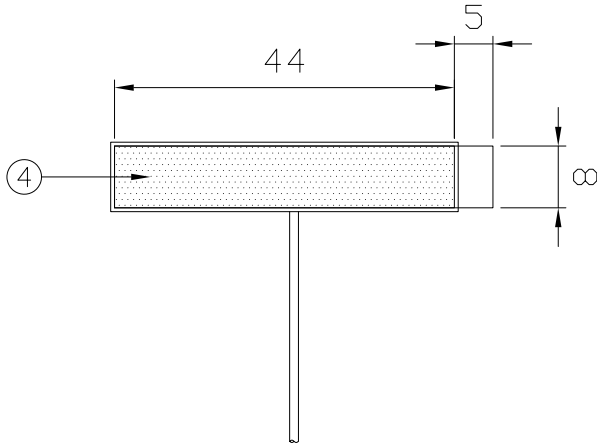
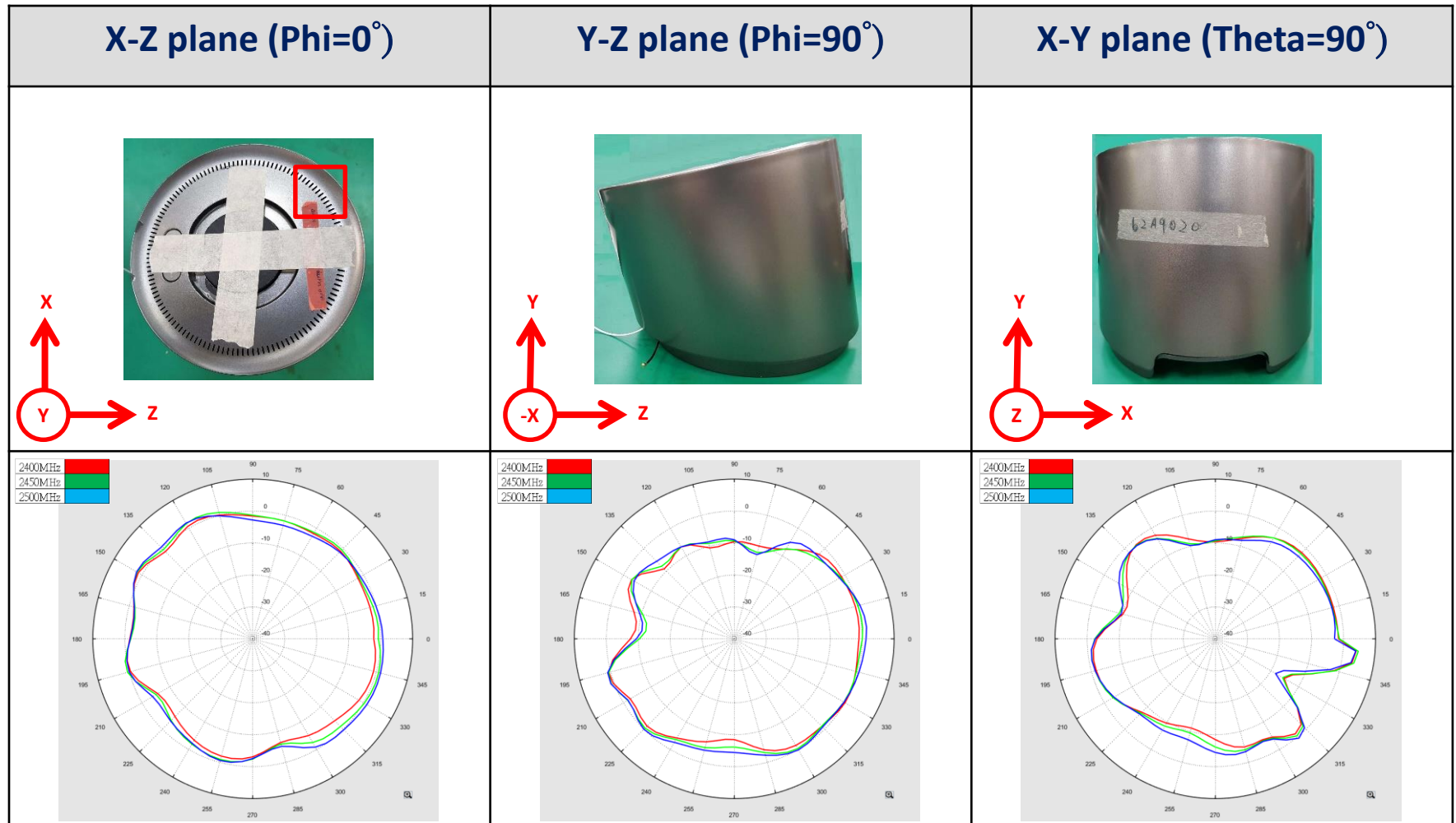


|   |                                                                                                |                         |                                                                                  |     |                                                                                    |           |            |
|---|------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------|-----------|------------|
|   | 1                                                                                              | 2                       | 3                                                                                | 4   | 5                                                                                  | 6         | 7          |
| A | 一般未注公差 (mm)                                                                                    |                         |  |     | 客戶<br>簽名                                                                           |           | 客戶<br>承認圖面 |
|   | X                                                                                              | ±1.0                    |                                                                                  |     |                                                                                    |           |            |
|   | X.X                                                                                            | ±0.5                    |                                                                                  |     |                                                                                    |           |            |
|   | X.XX                                                                                           | ±0.3                    |                                                                                  |     |                                                                                    |           |            |
|   | ANGULAR                                                                                        | ±5.0°                   |                                                                                  |     |                                                                                    |           |            |
|   | 成品單重                                                                                           | X.X g                   |                                                                                  |     |                                                                                    |           |            |
| B |  3M 9888T 雙面膠 |                         |                                                                                  |     |                                                                                    |           |            |
|   |                                                                                                |                         |                                                                                  |     |                                                                                    |           |            |
| C |                                                                                                |                         |                                                                                  |     |                                                                                    |           |            |
| D |              |                         |                                                                                  |     |  |           |            |
| E |                                                                                                |                         |                                                                                  |     |                                                                                    |           |            |
| F |                                                                                                |                         |                                                                                  |     |                                                                                    |           |            |
| G |                                                                                                |                         |                                                                                  |     |                                                                                    |           |            |
| H |                                                                                                |                         |                                                                                  |     |                                                                                    |           |            |
| I |                                                                                                |                         |                                                                                  |     |                                                                                    |           |            |
| J | 4                                                                                              | 雙面膠                     | 3M 9888T (49x8) 雙面膠 帶離型紙                                                         |     |                                                                                    |           | 1          |
|   | 3                                                                                              | FPCB                    | WPB734                                                                           |     |                                                                                    | 黑         | 1          |
|   | 2                                                                                              | MHF Connector           | 20565-001R-13                                                                    |     |                                                                                    | 金         | 1          |
|   | 1                                                                                              | MINI 1.13 Coaxial Cable | MINI 1.13 CABLE 白 (SY113L/50-001-004)                                            |     |                                                                                    | 白         | 270        |
|   | NO                                                                                             | 材料名稱                    | 零件規格                                                                             |     |                                                                                    | 顏色        | 切斷尺寸       |
| K | 第3角法                                                                                           |                         | 圖面不用實測                                                                           |     |                                                                                    | 機种料号      |            |
|   | 單位: mm                                                                                         |                         | 作成                                                                               | 檢圖  | 確認                                                                                 | 9-00-0012 |            |
|   | 比例: FREE                                                                                       |                         | 徐晨瑄                                                                              | 陳暉傑 | 吳怡荻                                                                                | 楊怡隆       | 品名         |
|   | 2022年01月14日                                                                                    |                         |                                                                                  |     |                                                                                    |           | 产品分类       |
|   |                                                                                                |                         |                                                                                  |     |                                                                                    |           | 图面编号       |
|   |                                                                                                |                         |                                                                                  |     | V3 Hub_DB1_WPB734 Mini 1.13(low loss) Antenna with MHF IV L270mm                   |           |            |
|   |                                                                                                |                         |                                                                                  |     | LS2WFI0005A                                                                        |           |            |
|   |                                                                                                |                         |                                                                                  |     | 版次 A                                                                               |           |            |
|   |                                                                                                |                         |                                                                                  |     | 客户版次: 表单编号:RD-4-037D 页次: 1/1                                                       |           |            |



# Measurement data -Radiation pattern

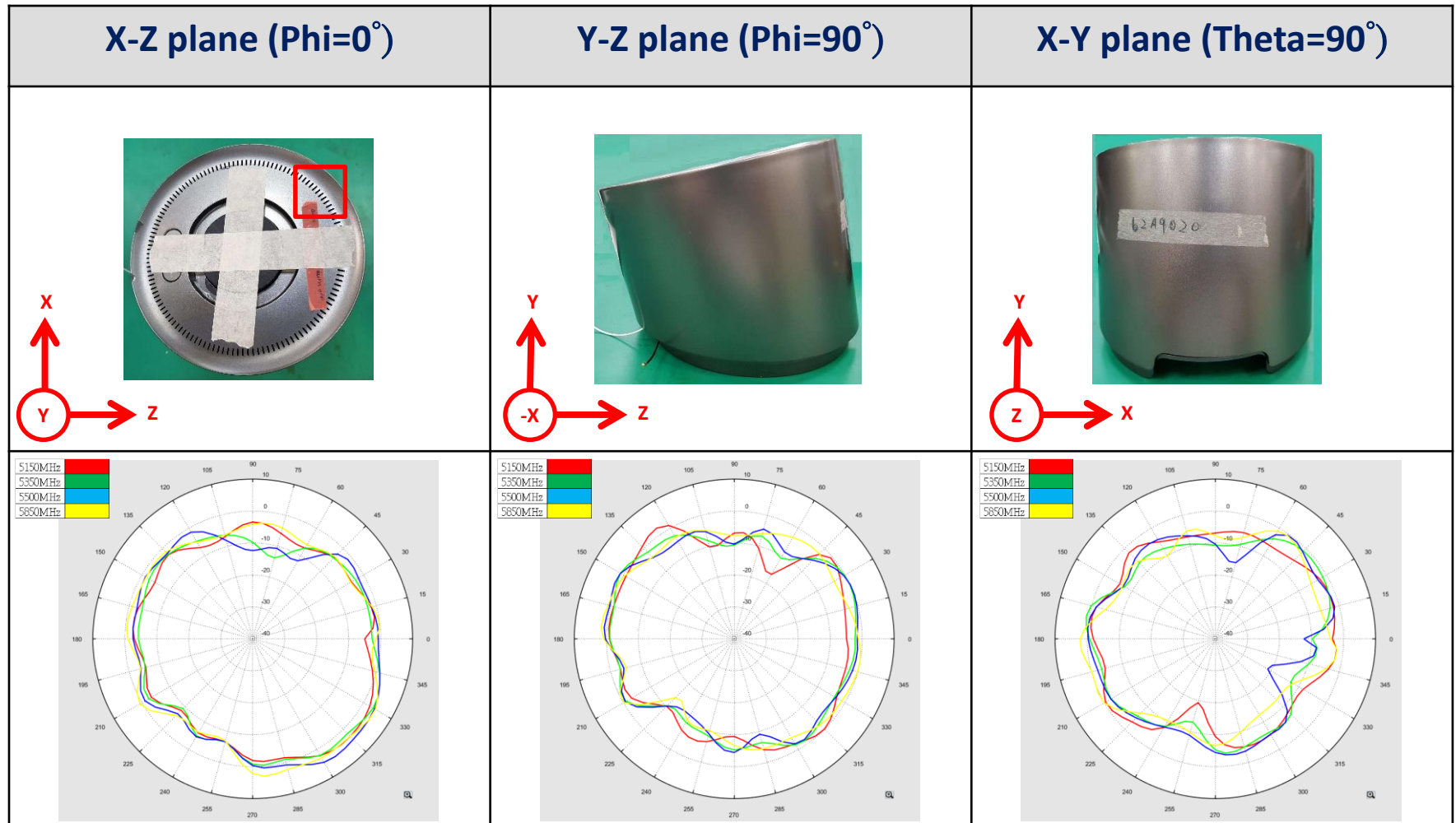
Radiation pattern –Ant1\_w/ battery (2.4GHz)





# Measurement data -Radiation pattern

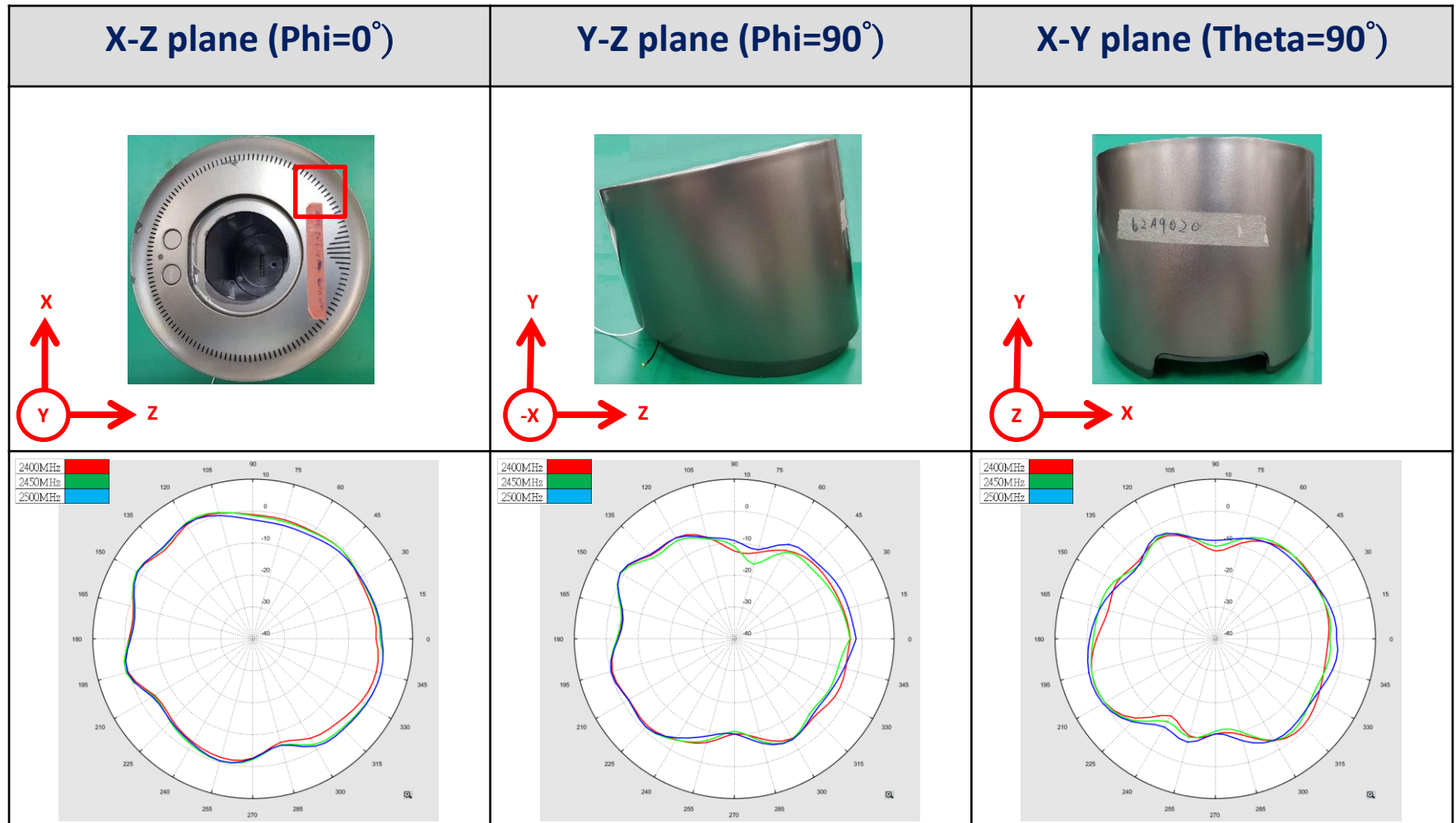
Radiation pattern –Ant1\_w/ battery (5GHz)





# Measurement data -Radiation pattern

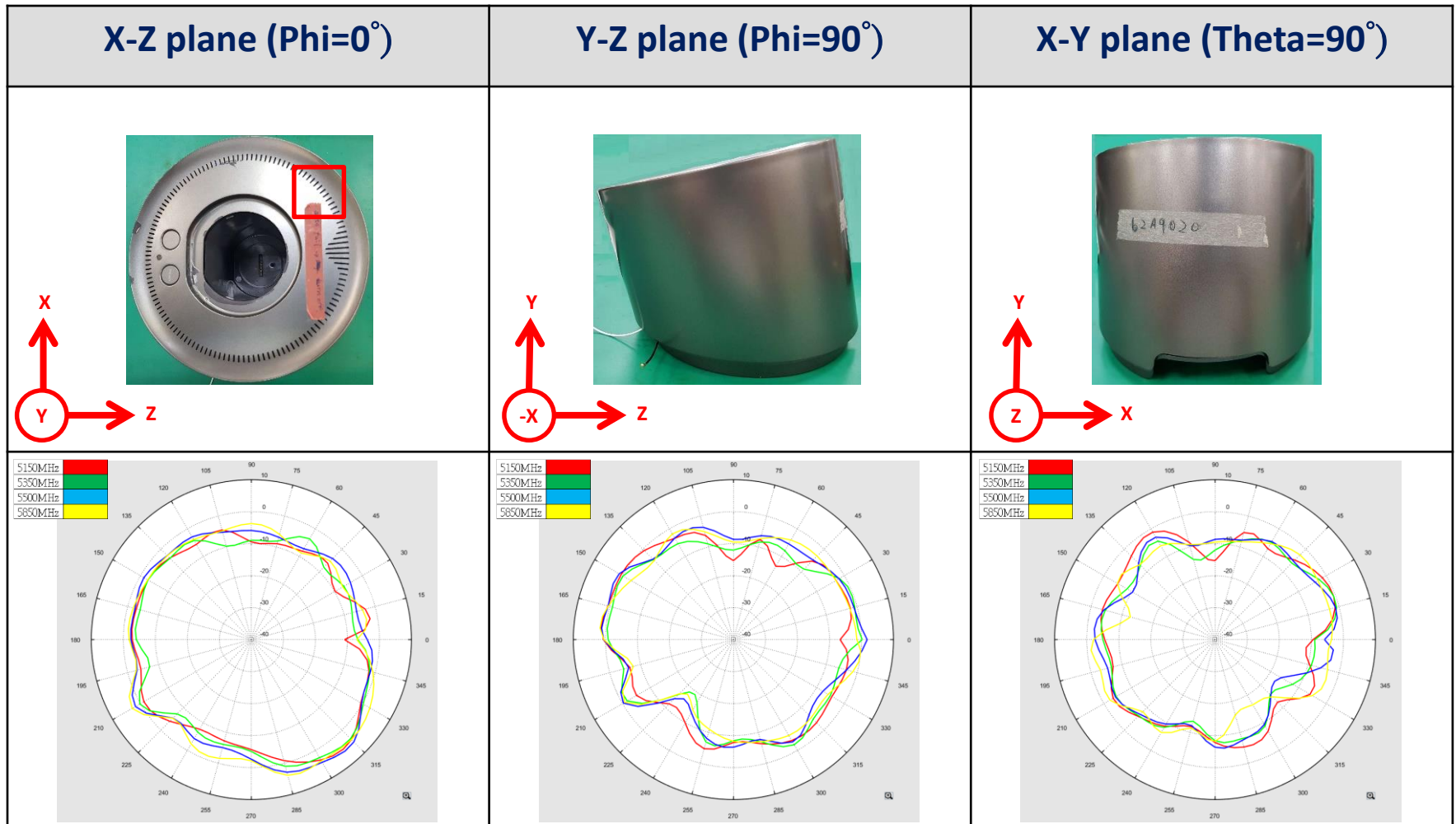
Radiation pattern –Ant1\_w/o battery (2.4GHz)





# Measurement data -Radiation pattern

Radiation pattern –Ant1\_w/o battery (5GHz)





# Measurement data -Gain table

Gain table-Ant1\_w/ battery

| <b>Frequency<br/>(MHz)</b> | <b>2400</b> | <b>2450</b> | <b>2500</b> | <b>5150</b> | <b>5350</b> | <b>5500</b> | <b>5850</b> |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Peak Gain<br/>(dBi)</b> | 2.49        | 3.17        | 2.82        | 3.51        | 3.44        | 4.11        | 4.25        |
| <b>Avg. Gain<br/>(dBi)</b> | -2.06       | -1.85       | -1.92       | -2.03       | -2.07       | -1.99       | -2.13       |
| <b>Efficiency<br/>(%)</b>  | 62.23       | 65.31       | 64.27       | 62.66       | 62.09       | 63.24       | 61.24       |



# Measurement data -Gain table

Gain table-Ant1\_w/o battery

| Frequency<br>(MHz) | 2400  | 2450  | 2500  | 5150  | 5350  | 5500  | 5850  |
|--------------------|-------|-------|-------|-------|-------|-------|-------|
| Peak Gain<br>(dBi) | 2.40  | 2.84  | 3.05  | 3.72  | 3.32  | 4.25  | 3.92  |
| Avg. Gain<br>(dBi) | -2.01 | -1.77 | -1.82 | -2.08 | -1.88 | -1.99 | -2.14 |
| Efficiency<br>(%)  | 62.95 | 66.53 | 65.77 | 61.94 | 64.86 | 63.24 | 61.09 |