

## **Amigo MS60**

Apr, 2024
Japan Aviation Electronics
Engineer: Jasper



#### **Antenna information**

天線廠牌: Japan Aviation Electronics (日本航空電子工業株式會社)

台北分公司地址: 內湖區基湖路10巷57號3樓總公司地址:台中市工業區20路35號

天線型號: FPC (內建式軟板天線)

天線型式: (Antenna Type): Dipole Type (雙極天線/偶極天線)

製造商地址:

JAE Hong Kong Ltd.

Units 1810-1813, Level 18, Tower 1, Grand Century Place, 193 Prince Edward Road West, Mongkok, Kowloon, Hong Kong

### **Ant1 Information**



| Antenna Type   | Dipole                 |
|----------------|------------------------|
| Frequency(MHz) | 2400-2500<br>5180-5875 |
| Material       | FPCB                   |
| Connector      | MHF                    |
| Cable type     | 1.37Ø                  |
| Cable length   | 60mm                   |
| Polarization   | Linear                 |



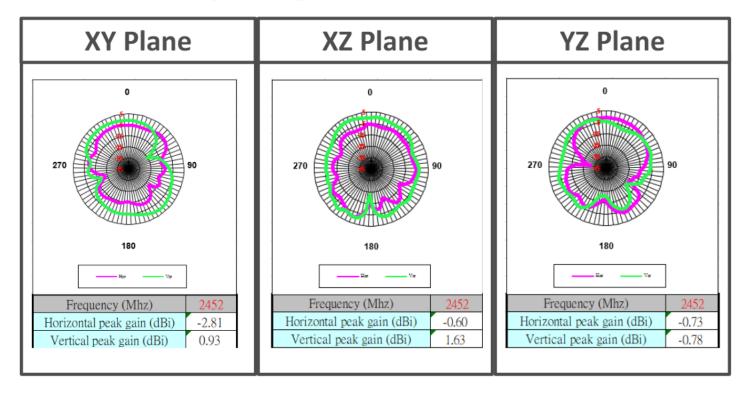
## Ant1 Peak gain & Avg Gain & Efficiency



| Frequency(MHz) | Peak<br>Gain(dBi) | 3D Avg<br>Gain(dBi) | Efficiency(%) |
|----------------|-------------------|---------------------|---------------|
| 2412           | 1.60              | -1.33               | 74            |
| 2422           | 1.69              | -1.37               | 73            |
| 2437           | 1.51              | -1.59               | 69            |
| 2442           | 1.49              | -1.63               | 69            |
| 2452           | 1.55              | -1.69               | 68            |
| 2484           | 1.63              | -1.62               | 69            |
| 5180           | 1.56              | -1.32               | 74            |
| 5260           | 0.86              | -1.38               | 73            |
| 5320           | 0.25              | -1.48               | 71            |
| 5500           | 1.27              | -1.76               | 67            |
| 5560           | 1.20              | -1.61               | 69            |
| 5660           | 0.95              | -1.49               | 71            |
| 5700           | 1.53              | -1.45               | 72            |
| 5745           | 1.56              | -1.50               | 71            |
| 5785           | 1.29              | -1.60               | 69            |
| 5805           | 1.34              | -1.61               | 69            |
| 5875           | 1.56              | -1.84               | 65            |

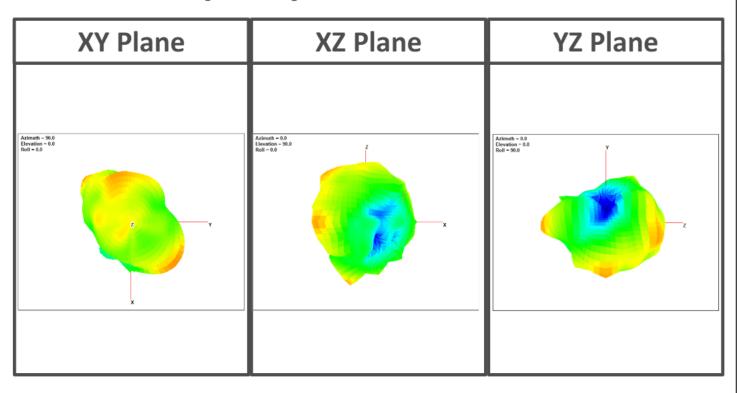








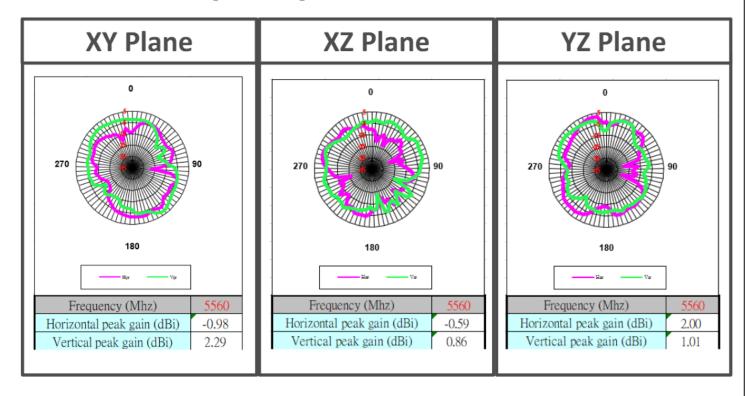








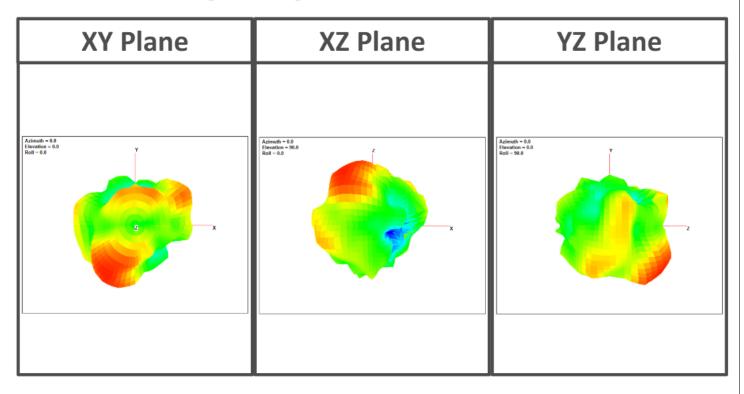
### Frequency: 5560 MHz







## Frequency:5560 MHz





#### **Ant2 Information**



| Antenna Type   | Dipole                 |
|----------------|------------------------|
| Frequency(MHz) | 2400-2500<br>5180-5875 |
| Material       | FPCB                   |
| Connector      | MHF                    |
| Cable type     | 1.37Ø                  |
| Cable length   | 160mm                  |
| Polarization   | Linear                 |



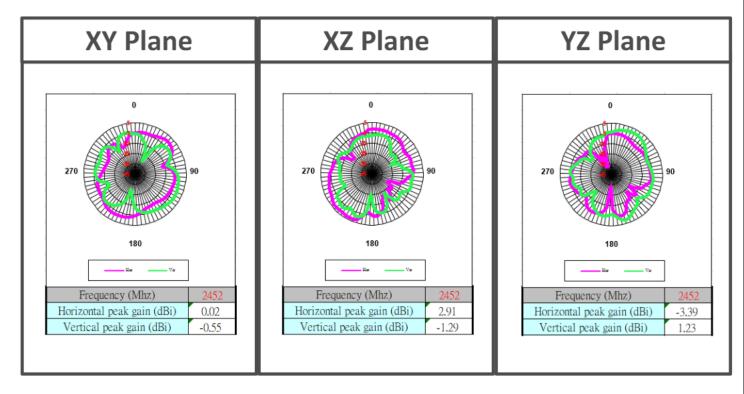
# Ant2 Peak gain & Avg Gain & Efficiency



| Frequency(MHz) | Peak<br>Gain(dBi) | 3D Avg<br>Gain(dBi) | Efficiency(%) |
|----------------|-------------------|---------------------|---------------|
| 2412           | 1.11              | -1.44               | 72            |
| 2422           | 1.17              | -1.53               | 70            |
| 2437           | 0.90              | -1.72               | 67            |
| 2442           | 0.79              | -1.74               | 67            |
| 2452           | 0.56              | -1.77               | 66            |
| 2484           | 1.73              | -1.91               | 64            |
| 5180           | 1.86              | -1.49               | 71            |
| 5260           | 1.81              | -1.53               | 70            |
| 5320           | 1.78              | -1.67               | 68            |
| 5500           | 0.56              | -2.20               | 60            |
| 5560           | 0.61              | -2.14               | 61            |
| 5660           | 0.79              | -2.04               | 63            |
| 5700           | 0.96              | -1.85               | 65            |
| 5745           | 1.26              | -1.68               | 68            |
| 5785           | 1.88              | -1.63               | 69            |
| 5805           | 1.73              | -1.56               | 70            |
| 5875           | 1.63              | -1.63               | 69            |

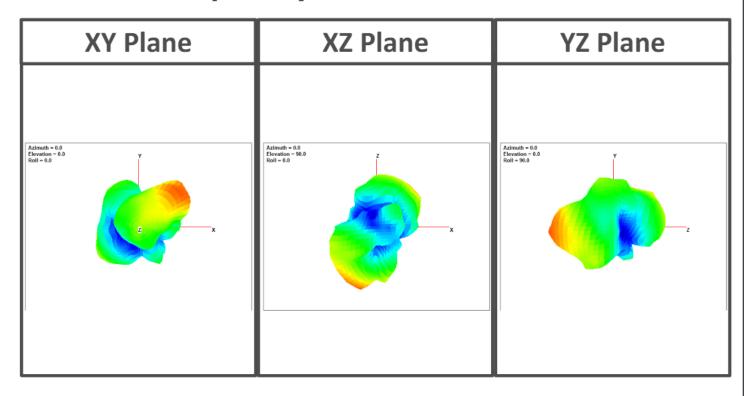








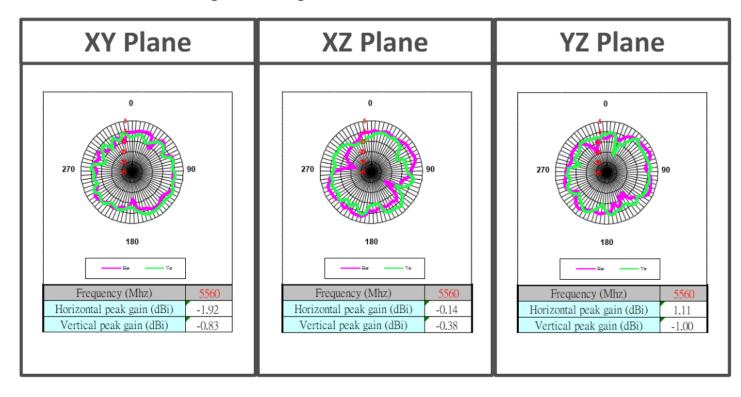








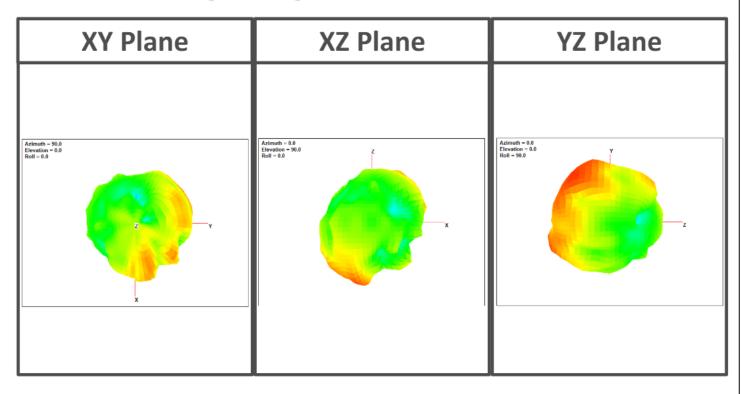
### Frequency:5560 MHz







## Frequency:5560 MHz





#### **Ant3 Information**



| Antenna Type   | Dipole                 |
|----------------|------------------------|
| Frequency(MHz) | 2400-2500<br>5180-5875 |
| Material       | FPCB                   |
| Connector      | MHF                    |
| Cable type     | 1.37Ø                  |
| Cable length   | 260mm                  |
| Polarization   | Linear                 |



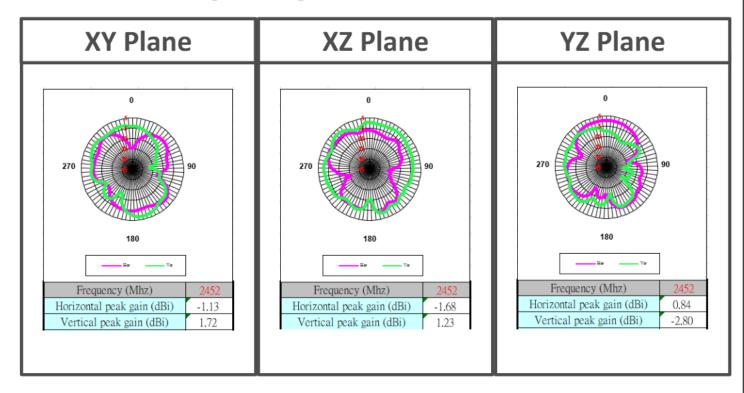
# Ant3 Peak gain & Avg Gain & Efficiency



| Frequency(MHz) | Peak<br>Gain(dBi) | 3D Avg<br>Gain(dBi) | Efficiency(%) |
|----------------|-------------------|---------------------|---------------|
| 2412           | 1.66              | -2.26               | 59            |
| 2422           | 1.66              | -2.17               | 61            |
| 2437           | 1.56              | -2.15               | 61            |
| 2442           | 1.53              | -2.14               | 61            |
| 2452           | 1.40              | -2.12               | 61            |
| 2484           | 0.92              | -2.12               | 61            |
| 5180           | 1.53              | -1.48               | 71            |
| 5260           | 1.05              | -1.58               | 69            |
| 5320           | 1.52              | -1.69               | 68            |
| 5500           | 0.49              | -2.17               | 61            |
| 5560           | 0.90              | -2.11               | 61            |
| 5660           | 1.43              | -1.99               | 63            |
| 5700           | 1.12              | -1.81               | 66            |
| 5745           | 1.18              | -1.74               | 67            |
| 5785           | 1.58              | -1.84               | 65            |
| 5805           | 1.51              | -1.84               | 65            |
| 5875           | 1.49              | -2.07               | 62            |
|                |                   |                     |               |

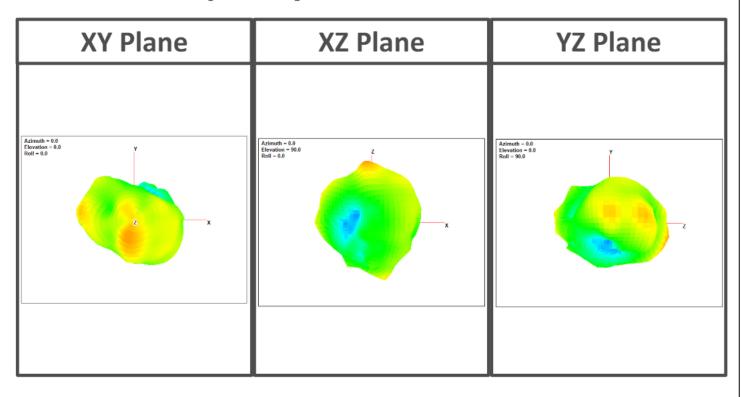








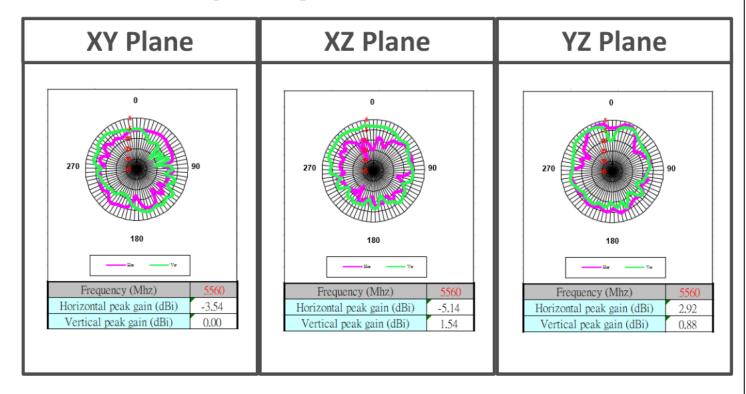








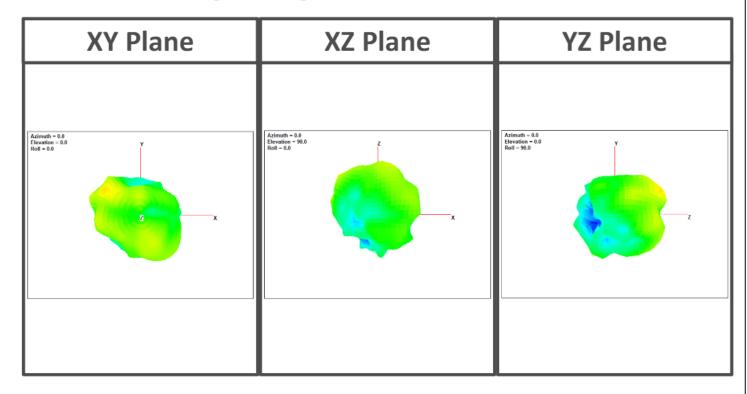
#### Frequency: 5560 MHz







## Frequency:5560 MHz





#### **Ant4 Information**



| Antenna Type   | Dipole                 |
|----------------|------------------------|
| Frequency(MHz) | 2400-2500<br>5180-5875 |
| Material       | FPCB                   |
| Connector      | MHF                    |
| Cable type     | 1.37Ø                  |
| Cable length   | 335mm                  |
| Polarization   | Linear                 |



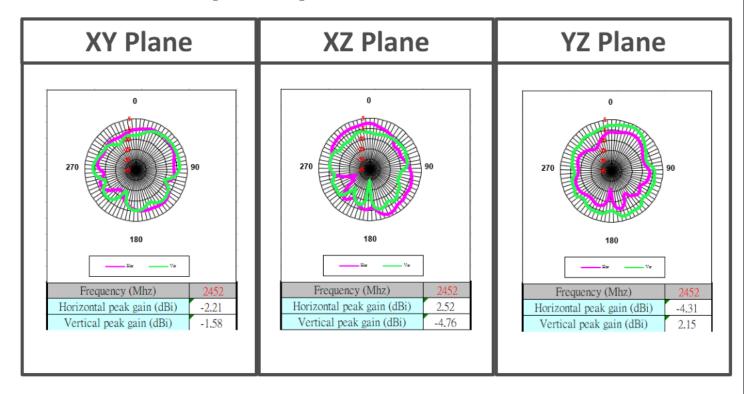
# Ant4 Peak gain & Avg Gain & Efficiency



| Peak<br>Gain(dBi) | 3D Avg<br>Gain(dBi)   | Efficiency(%)   |
|-------------------|---|---|
| 1.86              | -1.48   | 71  |
| 1.68              | -1.54   | 70  |
| 1.39              | -1.69   | 68  |
| 1.33              | -1.72   | 67  |
| 1.29              | -1.74   | 67  |
| 1.27              | -1.79   | 66  |
| 1.63              | -1.90   | 65  |
| 1.48              | -2.03   | 63  |
| 1.74              | -2.10   | 62  |
| 0.67              | -2.39   | 58  |
| 1.33              | -2.35   | 58  |
| 1.78              | -2.29   | 59  |
| 1.51              | -2.07   | 62  |
| 1.59              | -1.96   | 64  |
| 1.73              | -2.00   | 63  |
| 1.64              | -1.97   | 63  |
| 1.73              | -2.15   | 61  |
|                   | 1.86 1.68 1.39 1.33 1.29 1.27 1.63 1.48 1.74 0.67 1.33 1.78 1.51 1.59 1.73 1.64 | Gain(dBi)       Gain(dBi)         1.86       -1.48         1.68       -1.54         1.39       -1.69         1.33       -1.72         1.29       -1.74         1.27       -1.79         1.63       -1.90         1.48       -2.03         1.74       -2.10         0.67       -2.39         1.33       -2.35         1.78       -2.29         1.51       -2.07         1.59       -1.96         1.73       -2.00         1.64       -1.97 |

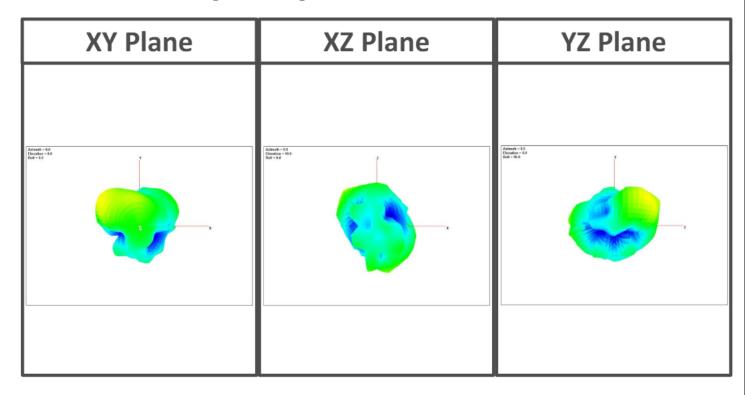








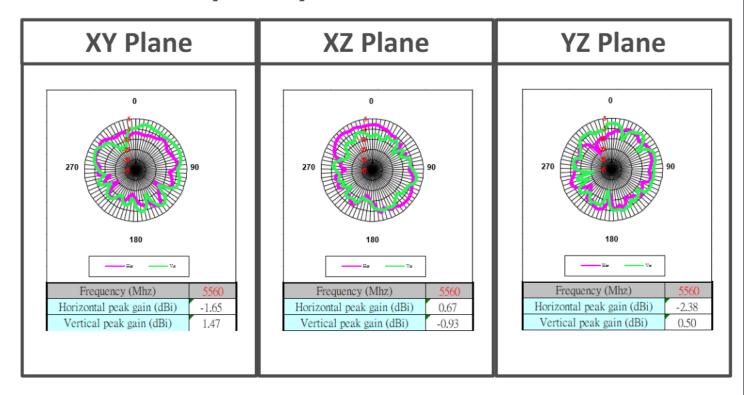








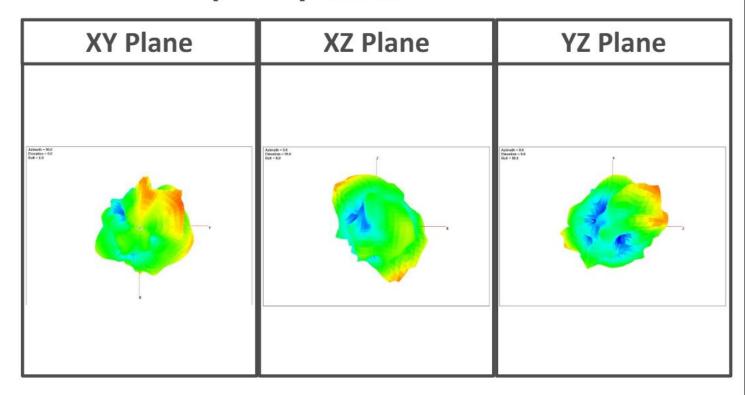
#### Frequency: 5560 MHz







## Frequency: 5560 MHz





#### **Ant6 Information**



| Antenna Type   | Dipole    |
|----------------|-----------|
| Frequency(MHz) | 2400-2500 |
| Material       | FPCB      |
| Connector      | MHF       |
| Cable type     | 1.13Ø     |
| Cable length   | 150mm     |
| Polarization   | Linear    |



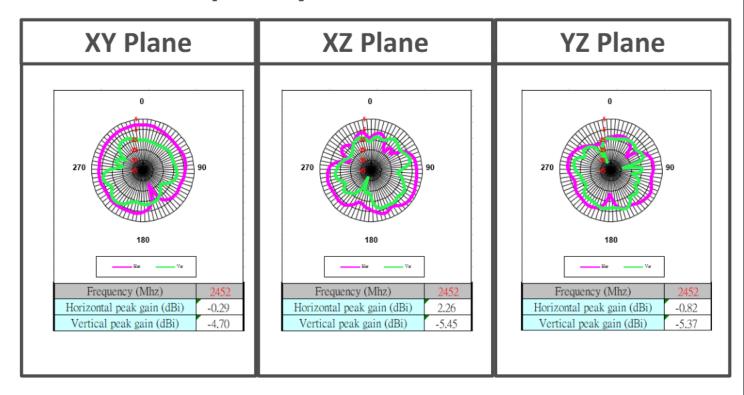
## Ant6 Peak gain & Avg Gain & Efficiency



| Frequency(MHz) | Peak<br>Gain(dBi) | 3D Avg<br>Gain(dBi) | Efficiency(%) |
|----------------|-------------------|---------------------|---------------|
| 2412           | 0.34              | -3.83               | 41            |
| 2422           | 0.19              | -3.72               | 42            |
| 2437           | 0.00              | -3.59               | 44            |
| 2442           | 0.00              | -3.53               | 44            |
| 2452           | 0.03              | -3.41               | 46            |
| 2484           | 0.14              | -3.34               | 46            |

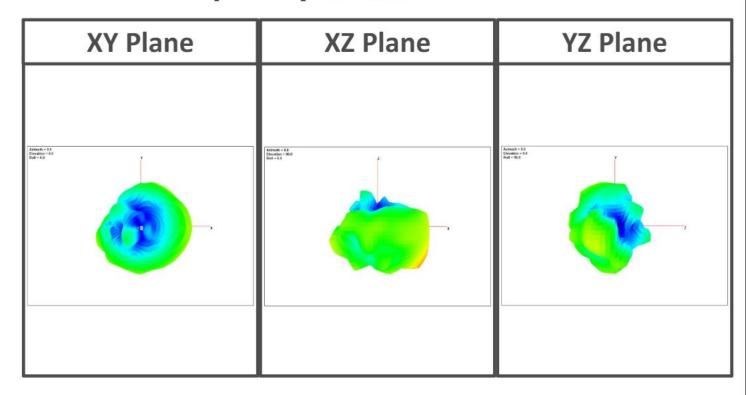






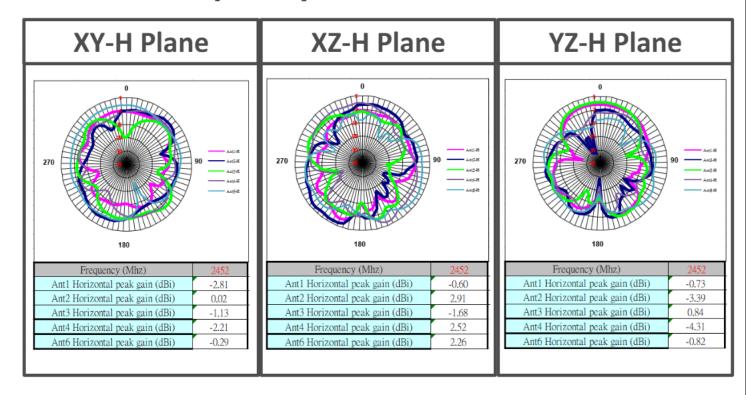






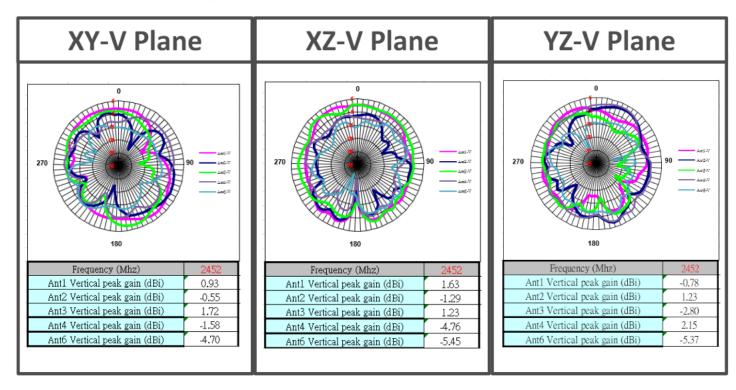








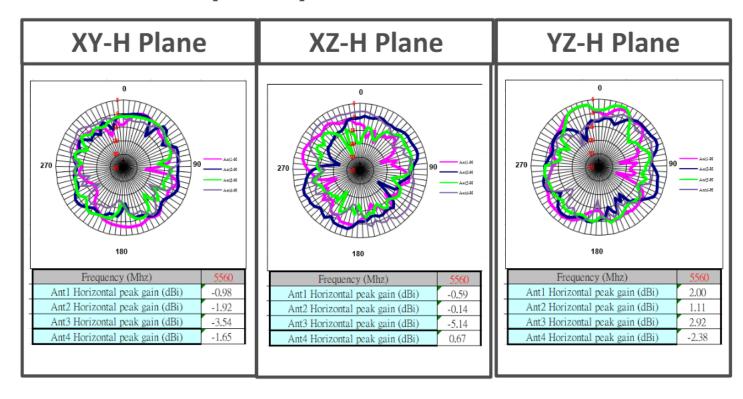








#### Frequency: 5560 MHz







#### Frequency: 5560 MHz

