

# Data Sheet

**CUSTOMER:** Senao

**MODEL NAME:** Edge 710-5G

**AWAN P/N:** A8PEE-100012

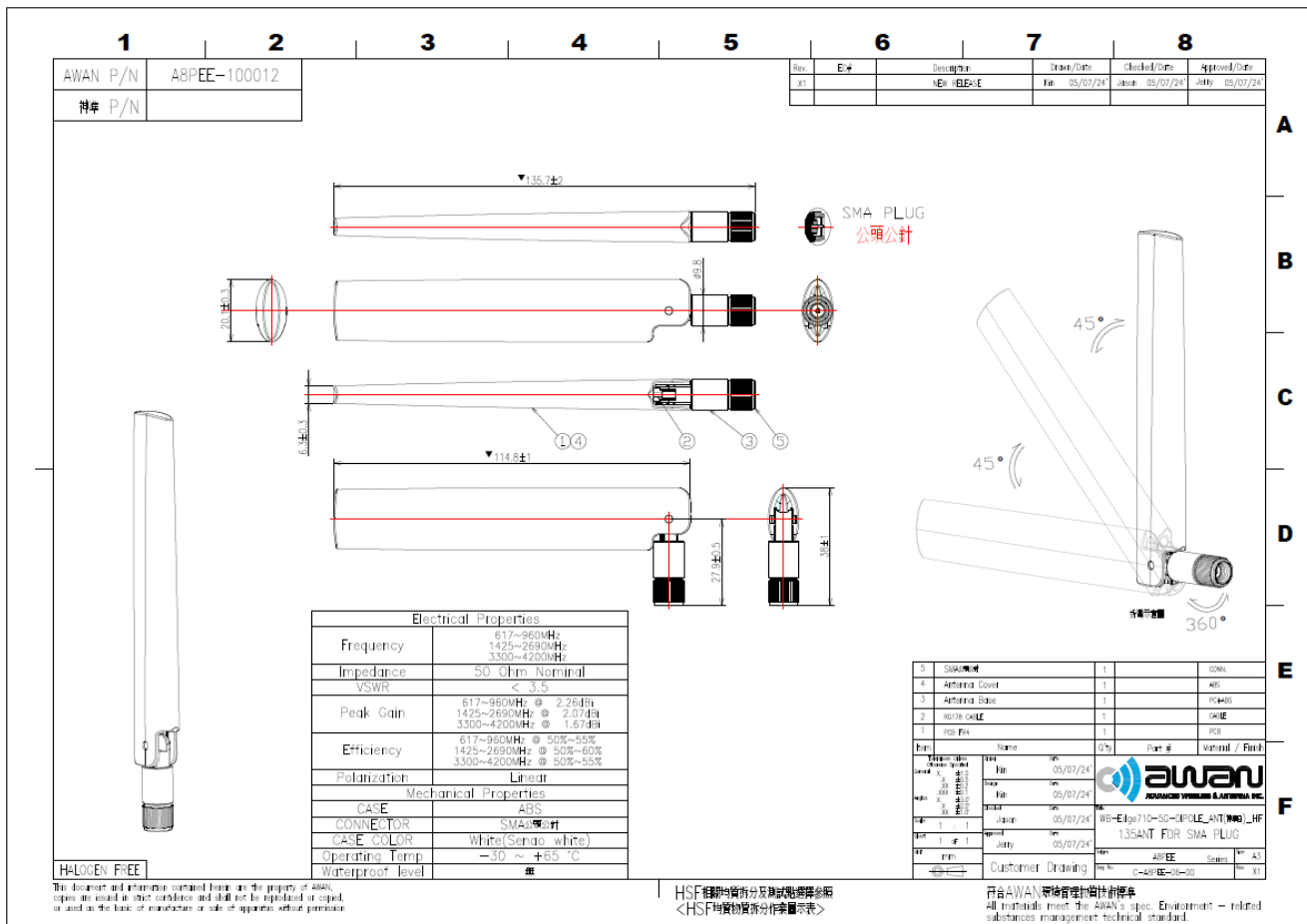


B2, No. 207, Sec.3, Beixin Rd., Xindian  
Dist., New Taipei City 231, Taiwan, R.O.C  
TEL : 886-2-8913-1939  
FAX : 886-2-8913-2538  
<http://www.awan-ant.com>

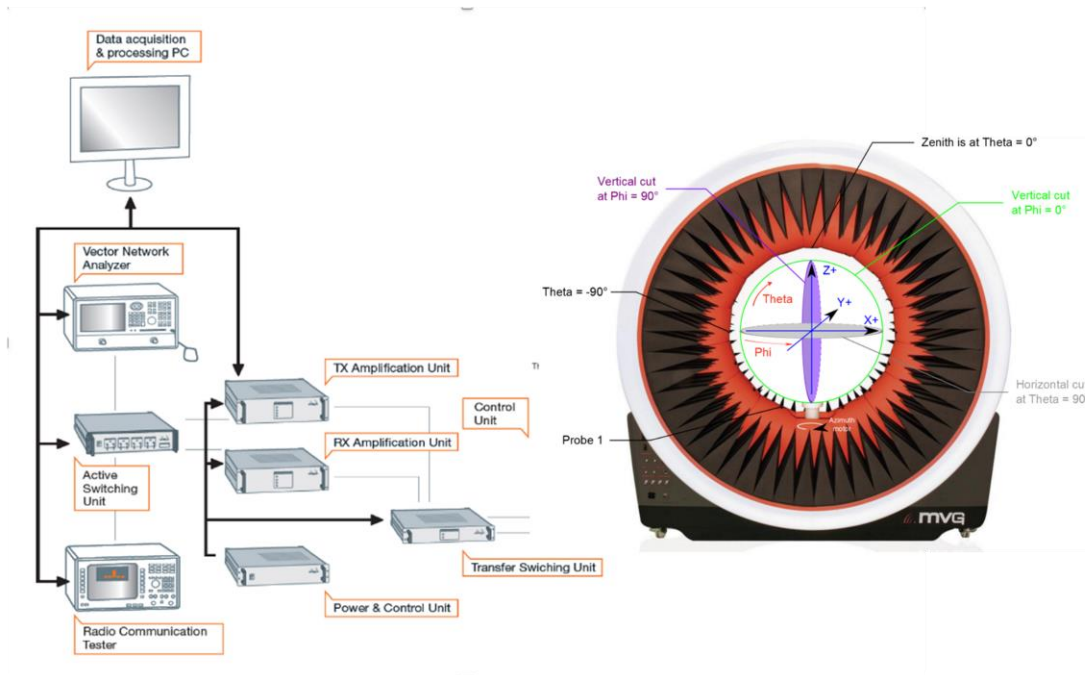
## Antenna Placement



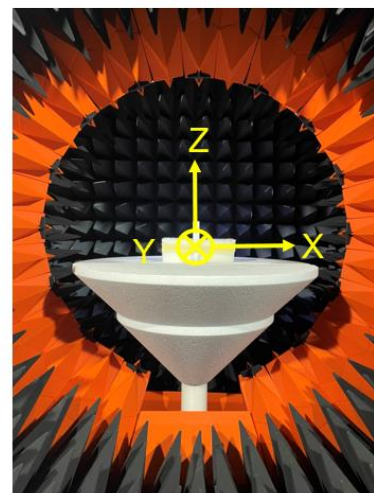
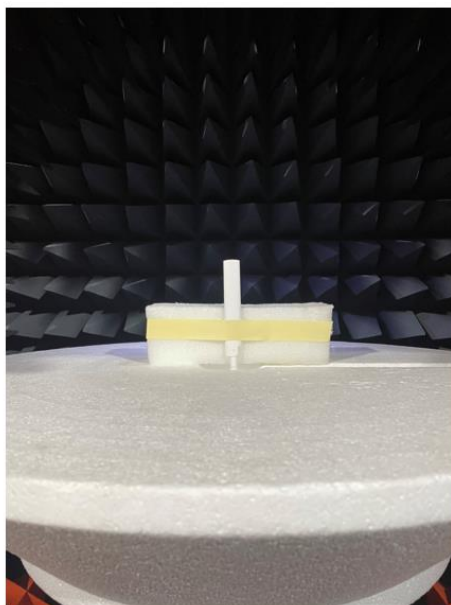
| Paddle Antenna | Specification                                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------|
| Antenna Type   | Dipole                                                                                                                             |
| VSWR           | < 3.5                                                                                                                              |
| Frequency      | 617 MHz~960 MHz<br>1425 MHz ~ 2690 MHz<br>3300 MHz ~ 4200 MHz<br>5150 MHz ~ 5850 MHz                                               |
| Peak Gain      | 617~960 MHz @ 2.26 dBi<br>1425~2690 MHz @ 2.07 dBi<br>3300~4200 MHz @ 1.67 dBi<br>5150MHz ~ 5850 MHz @ 2.46 dBi                    |
| Efficiency     | 617 MHz~960 MHz @ 50 ~ 55 %<br>1425 MHz ~ 2690 MHz @ 50 ~ 60%<br>3300 MHz ~ 4200 MHz @ 50 ~ 55 %<br>5150 MHz ~ 5850 MHz @ 55 ~ 60% |



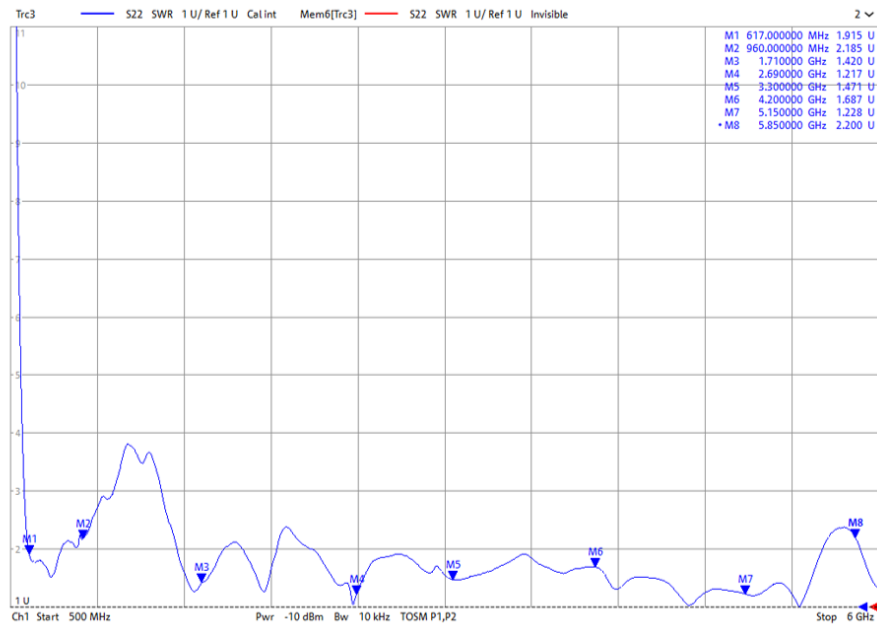
## Antenna Test System



## Antenna Under Test



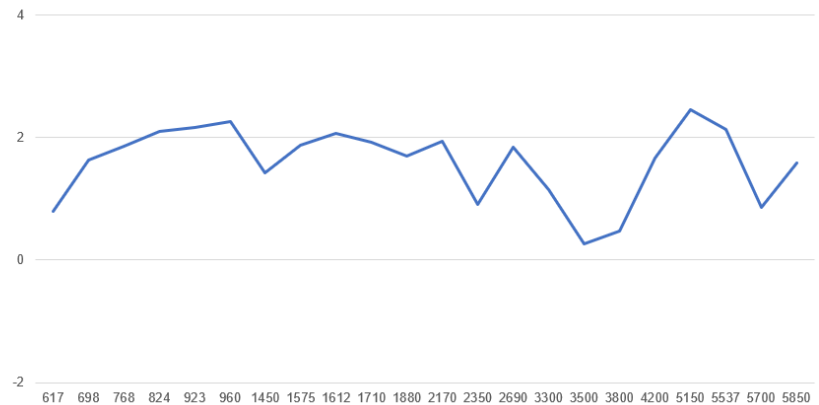
## VSWR



## Peak Gain Table

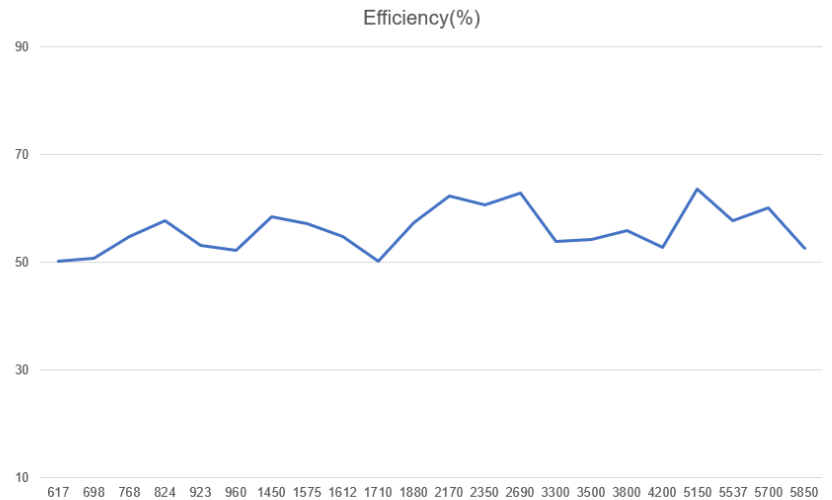
| MHz  | Peak Gain (dBi) |
|------|-----------------|
| 617  | 0.79            |
| 698  | 1.64            |
| 768  | 1.86            |
| 824  | 2.1             |
| 923  | 2.17            |
| 960  | 2.26            |
| 1450 | 1.43            |
| 1575 | 1.88            |
| 1612 | 2.07            |
| 1710 | 1.92            |
| 1880 | 1.7             |
| 2170 | 1.94            |
| 2350 | 0.91            |
| 2690 | 1.85            |
| 3300 | 1.15            |
| 3500 | 0.26            |
| 3800 | 0.48            |
| 4200 | 1.67            |
| 5150 | 2.46            |
| 5537 | 2.13            |
| 5700 | 0.86            |
| 5850 | 1.59            |

Peak Gain

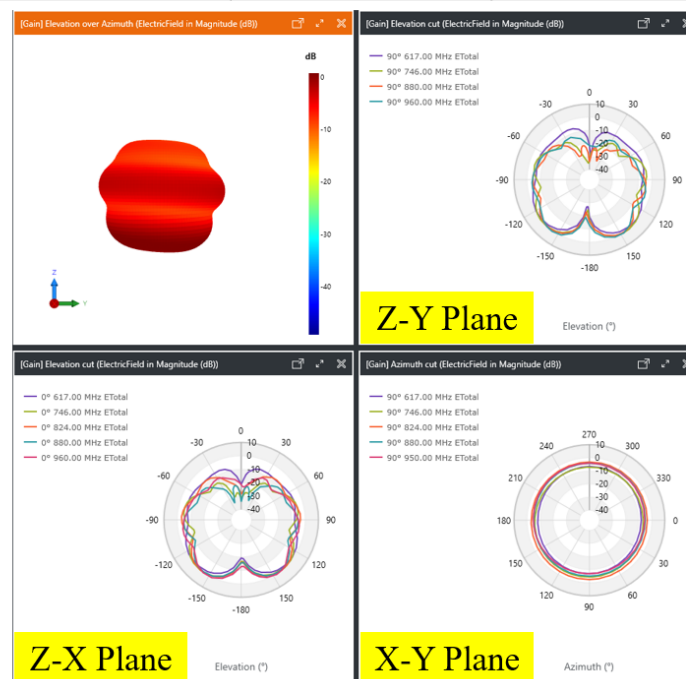


## Efficiency Table

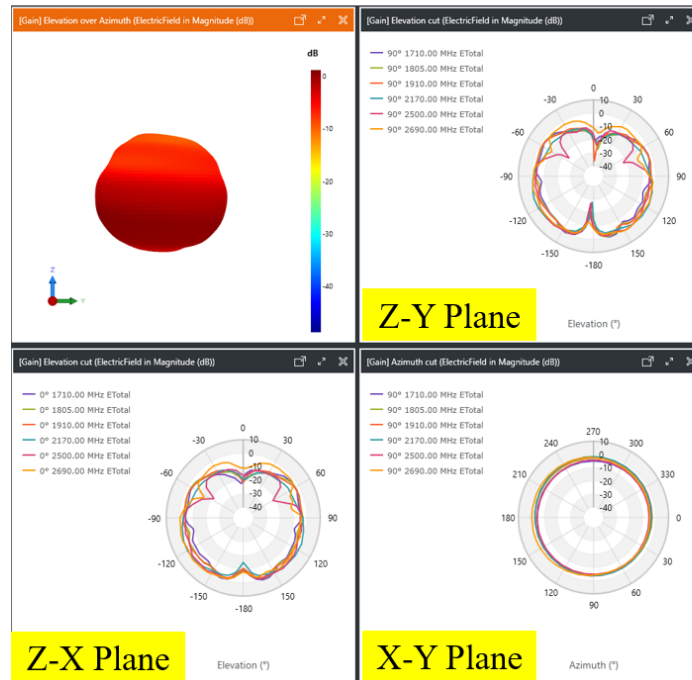
| MHz  | Peak Gain (dBi) |
|------|-----------------|
| 617  | 50.15           |
| 698  | 50.83           |
| 768  | 54.85           |
| 824  | 57.71           |
| 923  | 53.14           |
| 960  | 52.18           |
| 1450 | 58.53           |
| 1575 | 57.12           |
| 1612 | 54.71           |
| 1710 | 50.16           |
| 1880 | 57.38           |
| 2170 | 62.28           |
| 2350 | 60.61           |
| 2690 | 62.87           |
| 3300 | 53.86           |
| 3500 | 54.32           |
| 3800 | 55.81           |
| 4200 | 52.75           |
| 5150 | 63.67           |
| 5537 | 57.67           |
| 5700 | 60.11           |
| 5850 | 52.6            |



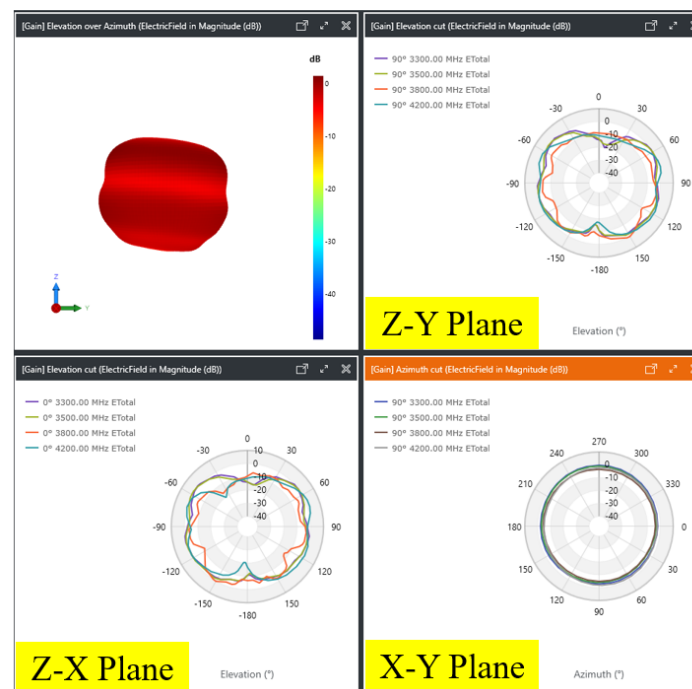
## Radiation Pattern 2D & 3D ( 617~960 MHz )



## Radiation Pattern 2D & 3D ( 1710~2690 MHz )



## Radiation Pattern 2D & 3D ( 3300~4200 MHz )



## Radiation Pattern 2D & 3D ( 5150~5850 MHz )

