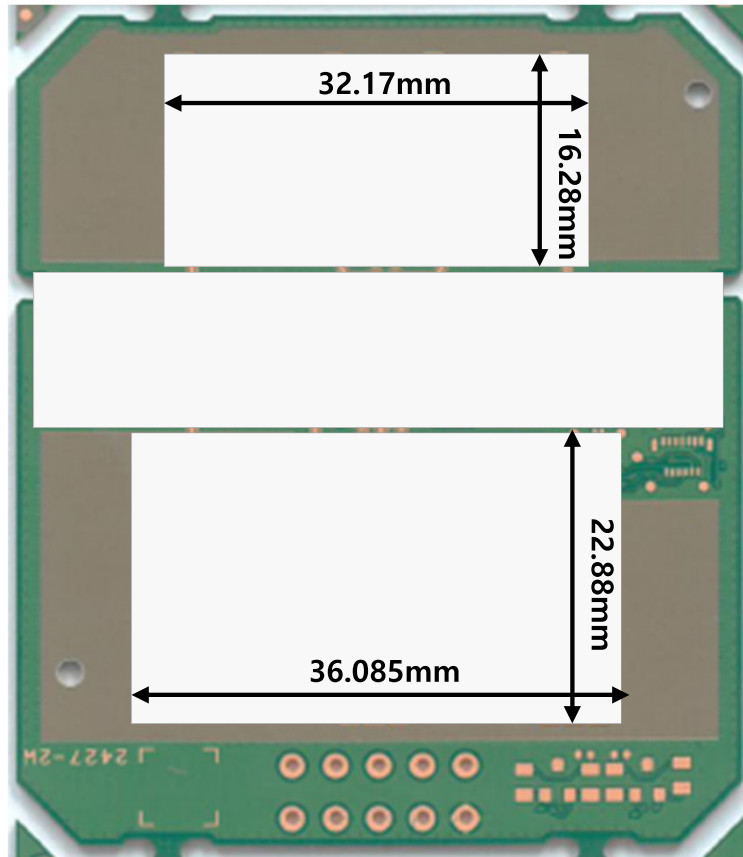


# MAR130 Antenna

Restricted



Mobis Restricted

Model: MAR130

Size: Refer to the picture

Frequency: 76 – 77GHz

Peak Gain (Tx Ant.) = 13.35dBi

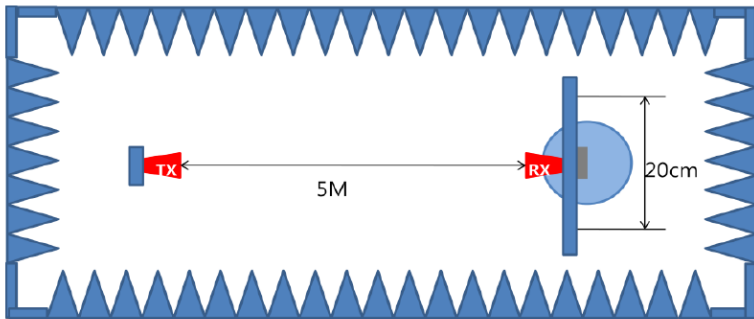
## 1. Test Equipment

- a. Anechoic Chamber 1ea
- b. Agilent PNA-X N5242A(Network Analyzer) 1ea
- c. Agilent N5261A(mmwave controller) 1ea
- d. Agilent N5256AW10(mmwave module) 1ea

## 2. Test method

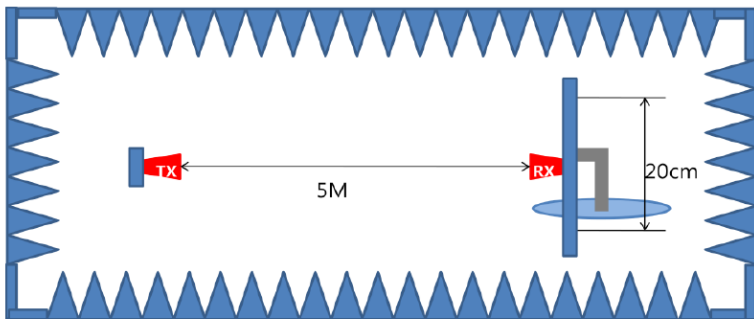
- Test Configuration

a. Horizontality Scan



(그림 1)

b. Verticity Scan



(그림 2)

\*Shield Enclosure 흡수체 정보

|                      |                              |
|----------------------|------------------------------|
| Size                 | 10m x 4.5m x 2.5m (LxWxH)    |
| Shielding Technology | Modular Panel Type           |
| Shield Effectiveness | 400MHz to 6GHz, 100dB        |
| Door                 | Semi Auto Sliding Door, 1set |
| Accessories          | Pan&Tilt CCTV System, 2set   |
| Power Line Filter    | 2W-1P-30A-250VAC, 2es        |
| Lights               | LED Lights, 6ea              |
| Air Vent             | Honeycomb type, 6ea          |
| HVAC                 | 5RT, 1set                    |

\*Microwave Absorber

|  |                 |                      |
|--|-----------------|----------------------|
|  | Model           | VHP-8-NRL, VHP-4-NRL |
|  | Manufacturer    | Emerson&Cuming       |
|  | Fire Retardancy | NRL Test 1,2 & 3     |

# MAR130 Beam Pattern (Tx Ant.)

Restricted

Antenna polarization: Horizontal Polarization  
Center Frequency: 76.75GHz

