

***NE3-22033***  
***UBC1340***  
***Antenna 2/5Gx3,5Gx1,WiFi6Ex4***

*Version: NE3-22033*

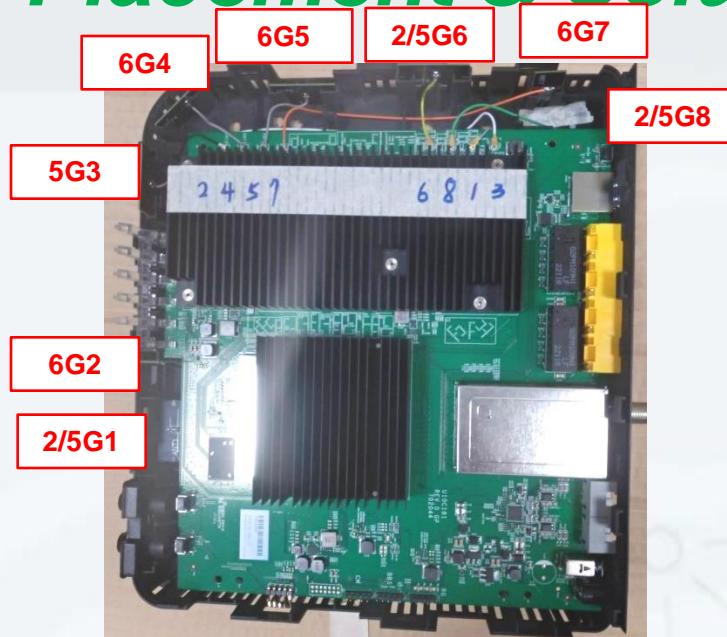
*Version: V 2.03*

*Released Date: 2022/09/05*

*Prepared By: Neal*

*Reviewed By: Stone*

# Antenna Placement & Solution



ANT	ANT Type	Size (L * W * H)	Cable Length (mm)	Cable Type	Connector
2/5G1	Dipole ANT	30mm*18mm*0.8mm	Total:287mm 、 Exposed:275.2mm	Φ=1.13 normal	I-Pex
6G2	Dipole ANT	30mm*10mm*0.8mm	Total:158mm 、 Exposed:139.5mm	Φ=1.13 normal	I-Pex-4L
5G3	Dipole ANT	30mm*18mm*0.8mm	Total:205mm 、 Exposed:195mm	Φ=1.13 normal	I-Pex
6G4	Dipole ANT	28mm*15mm*0.8mm	Total:44mm 、 Exposed:32.5mm	Φ=1.13 normal	I-Pex-4L
6G5	Dipole ANT	30mm*18mm*0.8mm	Total:45mm 、 Exposed:33mm	Φ=1.13 normal	I-Pex-4L
2/5G6	Dipole ANT	30mm*18mm*0.8mm	Total:45mm 、 Exposed:33.2mm	Φ=1.13 normal	I-Pex
6G7	Dipole ANT	30mm*13mm*0.8mm	Total:145mm 、 Exposed:135mm	Φ=1.13 normal	I-Pex-4L
2/5G8	Dipole ANT	30mm*18mm*0.8mm	Total:80mm 、 Exposed:68.2mm	Φ=1.13 normal	I-Pex

# Antenna Placement & Solution

Front



Front



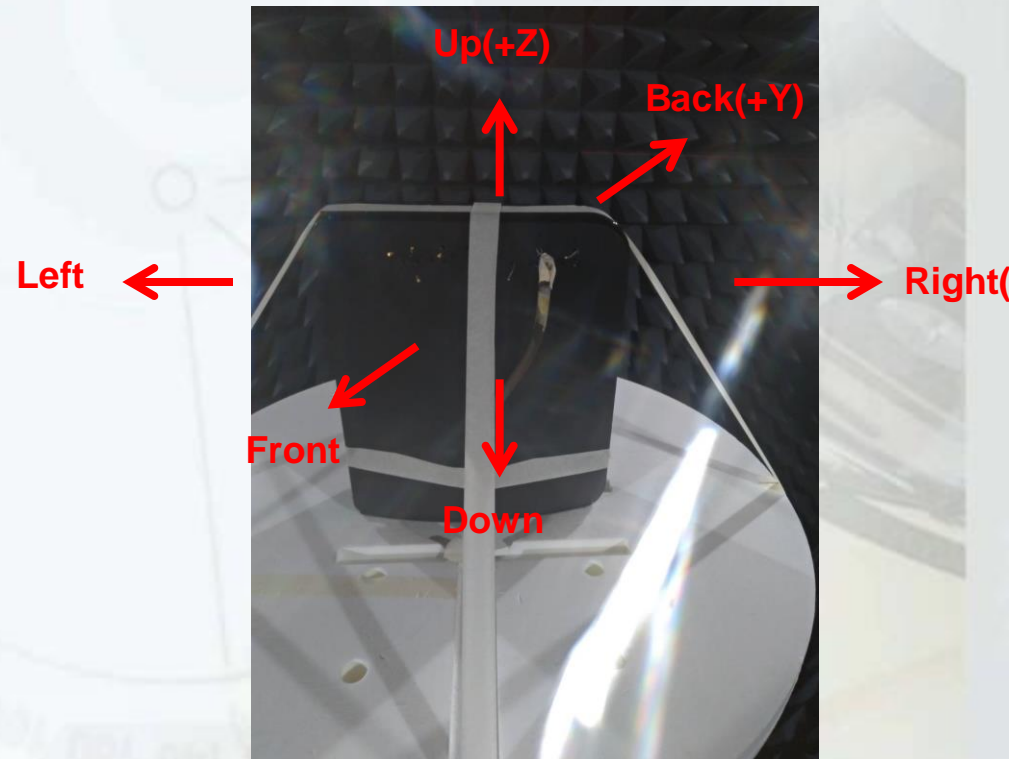
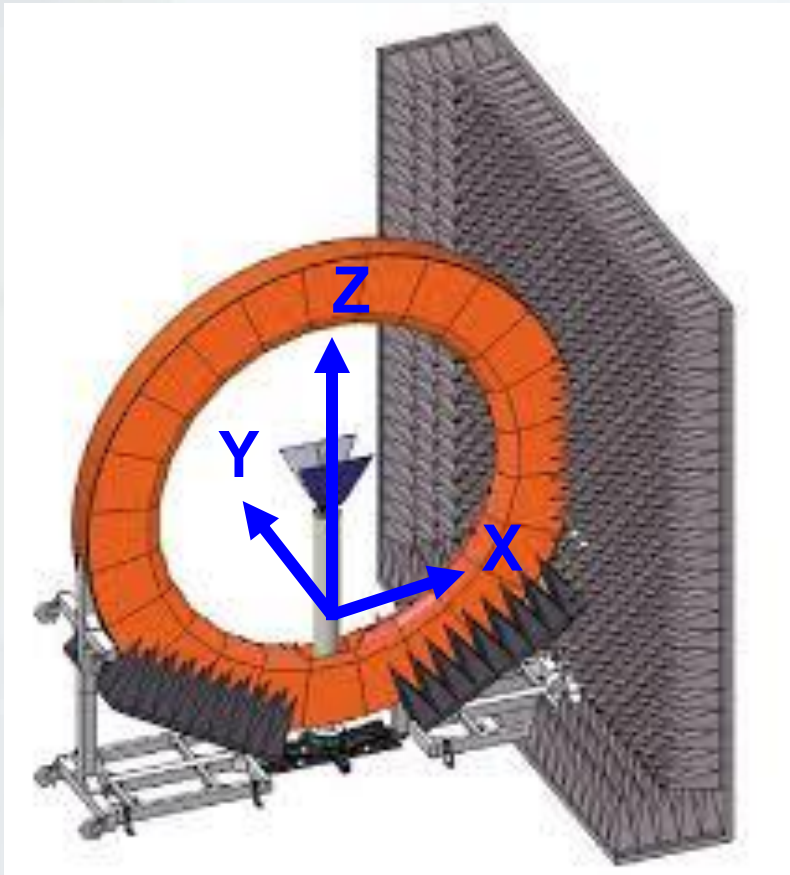
Back  
Cable EXIT



# Test Setup for Radiation Pattern Measurement

## Chamber Information

- SATIMO SG-24L Multi-Probe Antenna Measurement System
  - Angle between probes:  $15^\circ$
  - Frequency range: 400 MHz – 8.5 GHz
  - Chamber Room Size: 5m L x 5m W x 5m H
  - Software: Wave Studio





# 2D Radiation Pattern Results

