

# DataSheet

Private 5G Exclusive MIMO Antenna

YOZ-52714ZZ01-YM(Screw Mount)

YOZ-52714ZZ02-YM(Bothside Tape)

MIMO Antenna for the Private 5G frequency bands in major countries worldwide.  
Ultra Miniature, Light Weight Design is ideal for use in small equipment  
(Drone, Smart Camera, etc.)

Applicable Bands :

(4G) 7, 30, 34, 40-42, 46

(5G) n7, n30, n34, n40-42, n46, n47, n77-79, n90

Frequency Range: 2000~6000MHz

Dimensions : H32 x W62 x D43 mm

Standard Cable Length : 1,500 mm x 2

Connector : SMA (Male) x 2

Installation : Screw/Double-Sided Tape

Water & Dust Resistance Grade : IP67



## Application:

Control of Construction Machinery, Agricultural Machinery, AGV, etc.,  
Remote monitoring of Autonomous Vehicles, Wireless Connectivity  
for Manufacturing Plants/Logistics Warehouses, etc.



1. Specifications
2. Antenna Characteristics
3. Radiation Patterns
4. Mechanical Drawing

## 1. Specifications

Electrical								
Band	Frequency [MHz]	ANT	Efficiency[%]	Peak Gain[dBi]	Impedance	Max Input Power	Polarization	Radiation Pattern
4G/3G band 1,2,3,4,9,23,25,35,39	1880-2200	port1	26.4	1.1	50 ohm	2W	Linear	Omni-Directional
		port2	27.4	0.5				
4G/3G Band 7,30,38,40,41	2300-2690	port1	41.2	0.6				
		port2	39.9	0.4				
5G NR/4G Band 22,42,48,77,78,79	3300-5000	port1	41.1	2.8				
		port2	40.7	2.4				
LTE5200/WiFi5800	5150-5925	port1	38.2	1.6				
		port2	42.2	0.9				

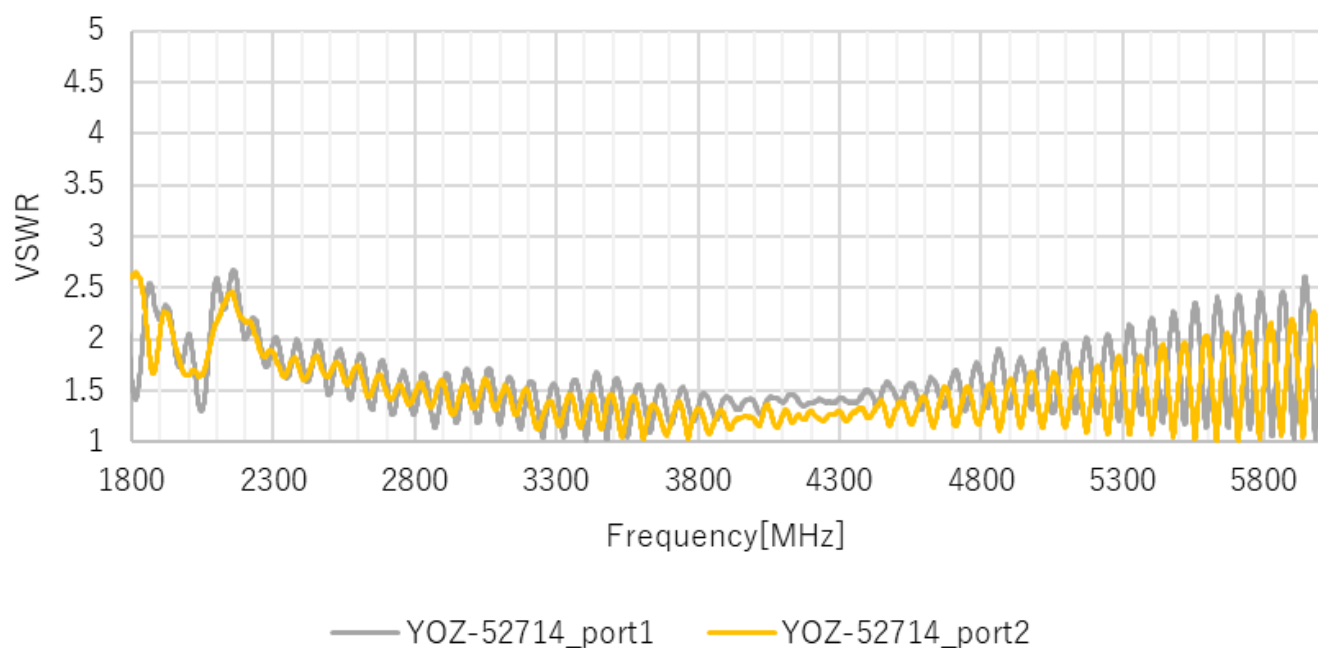
※with 1500mm 1.5D Cable

Mechanical	
Dimensions	43 * 84 * 32
Plastic Material	PC+ASA
Waterproof Rating	IP67
Cable	1500mm 1.5D
Connector	SMA (M)

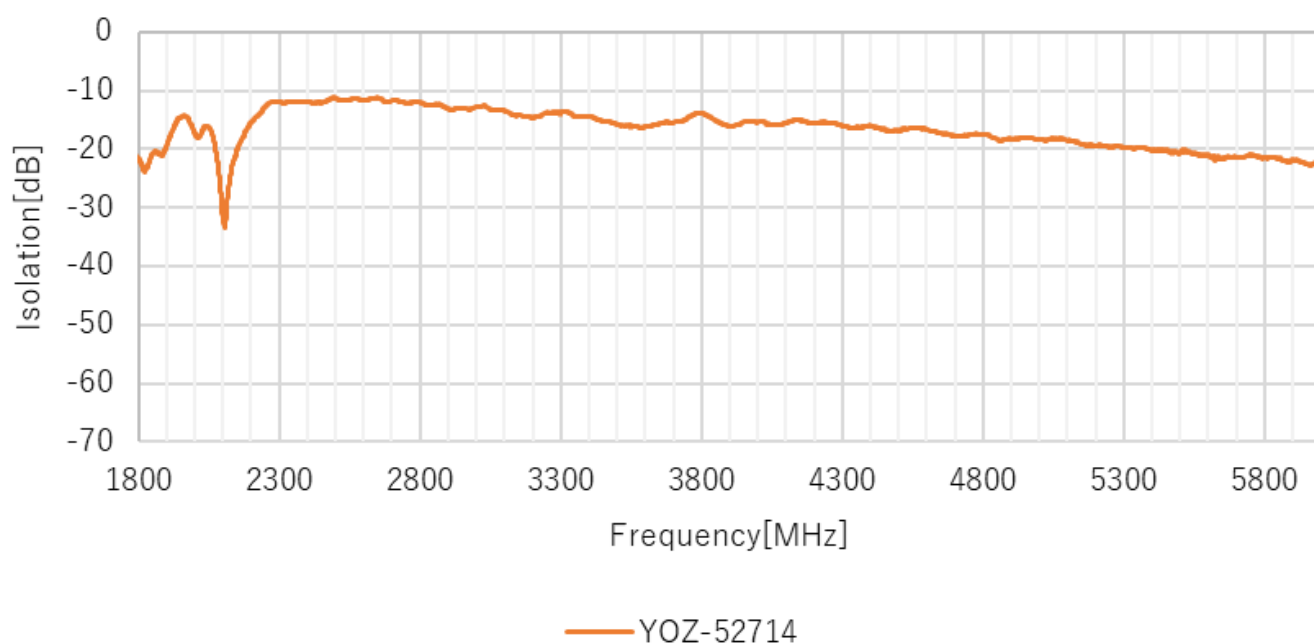
Environmental	
Temperature	-40℃~+105℃
Humidity	40℃/93%RH

## 2. Antenna Characteristics

VSWR

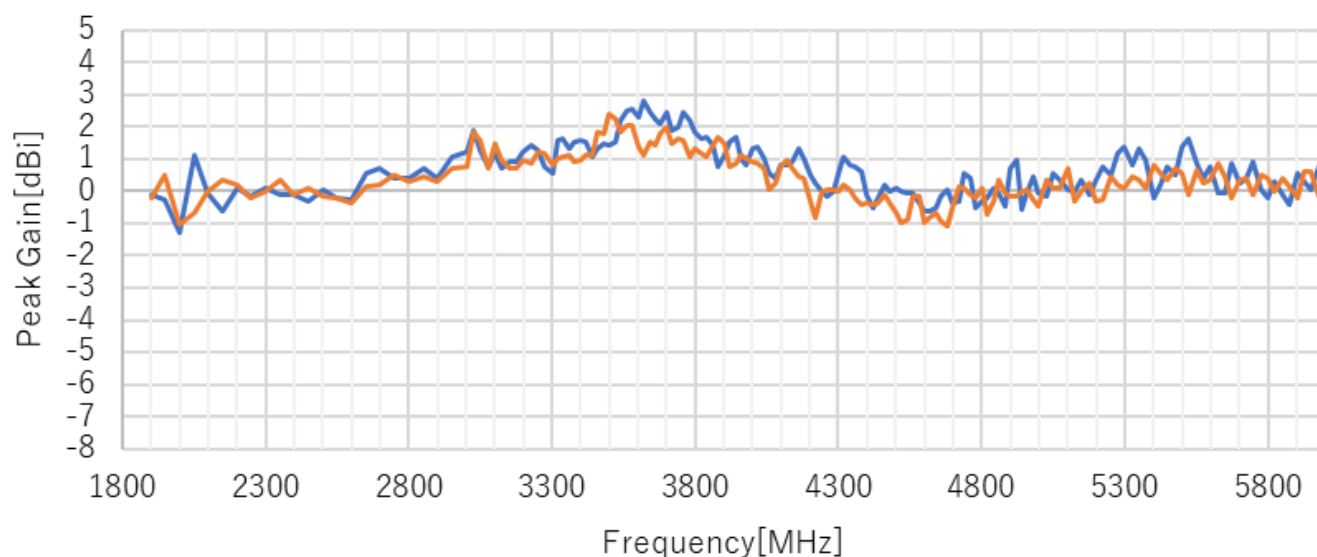


Isolation



## 2. Antenna Characteristics

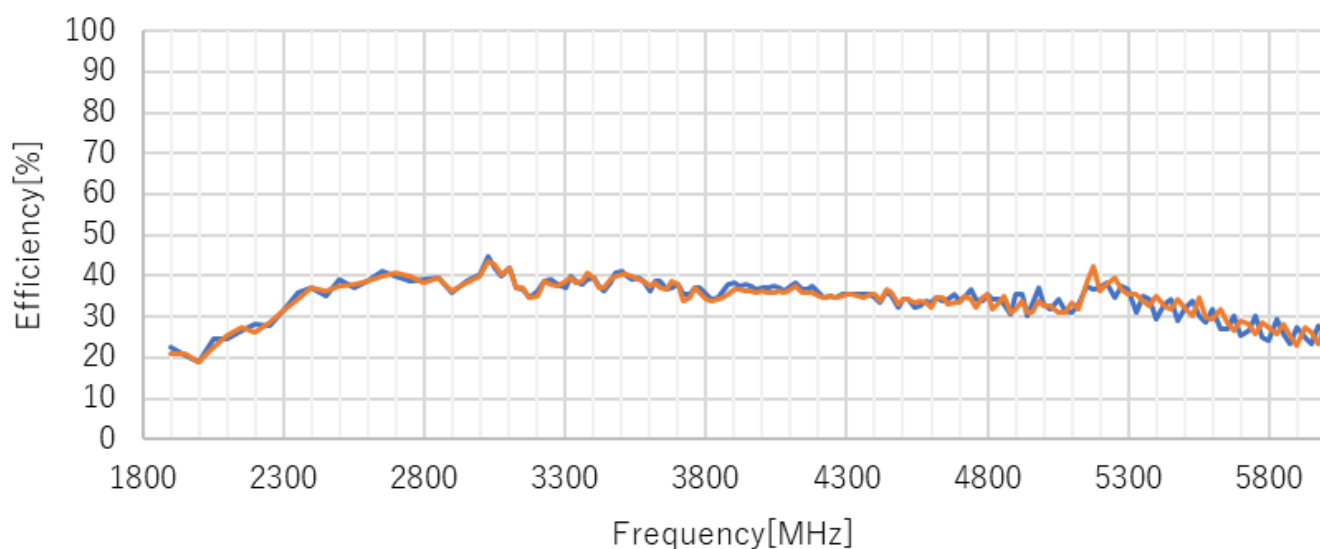
Peak Gain



YOZ-52714\_port1 YOZ-52714\_port2

※with 1500mm 1.5D Cable

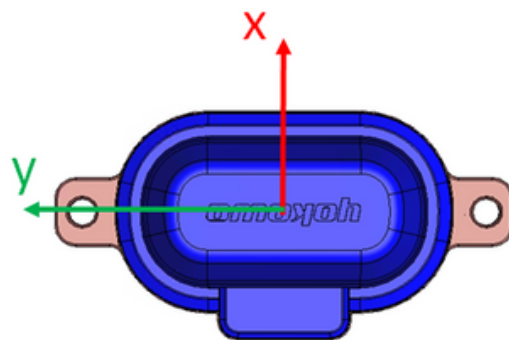
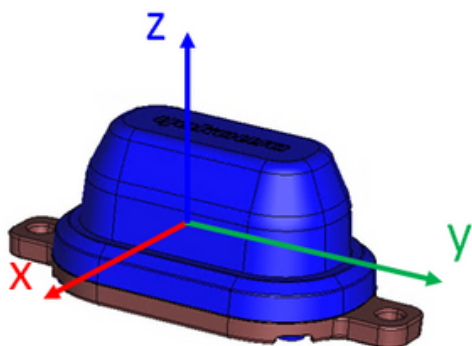
Efficiency



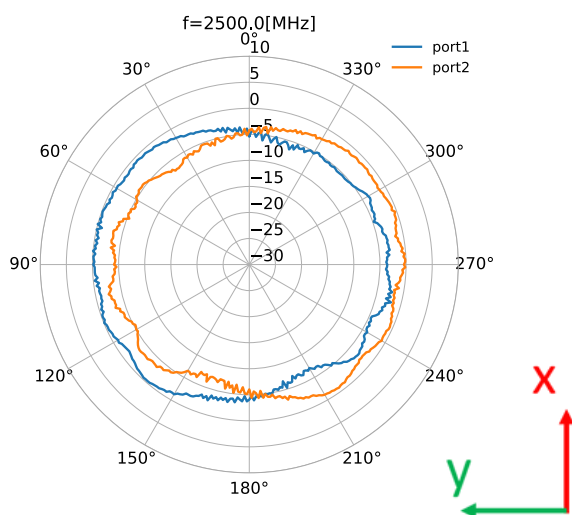
YOZ-52714\_port1 YOZ-52714\_port2

※with 1500mm 1.5D Cable

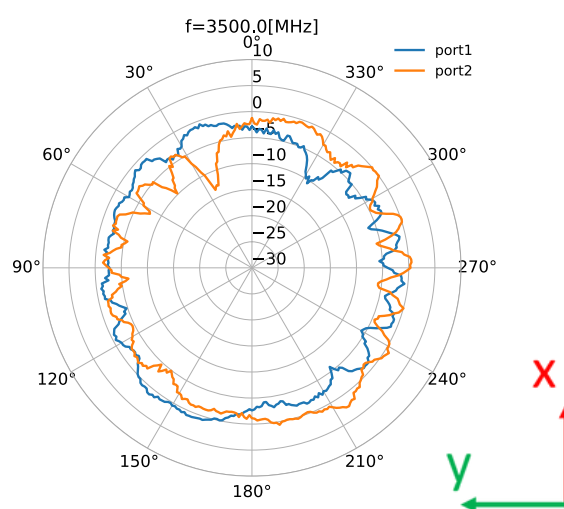
### 3. Radiation Patterns



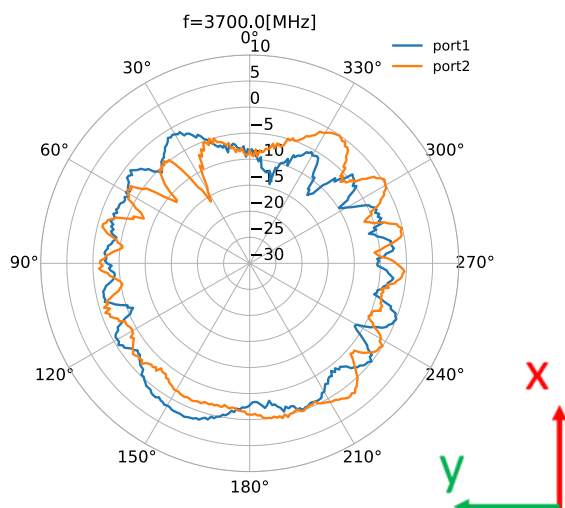
Radiation Pattern 2500.0MHz



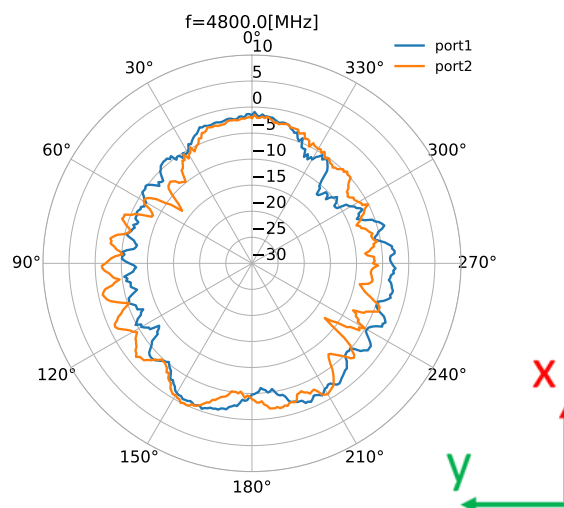
Radiation Pattern 3500.0MHz



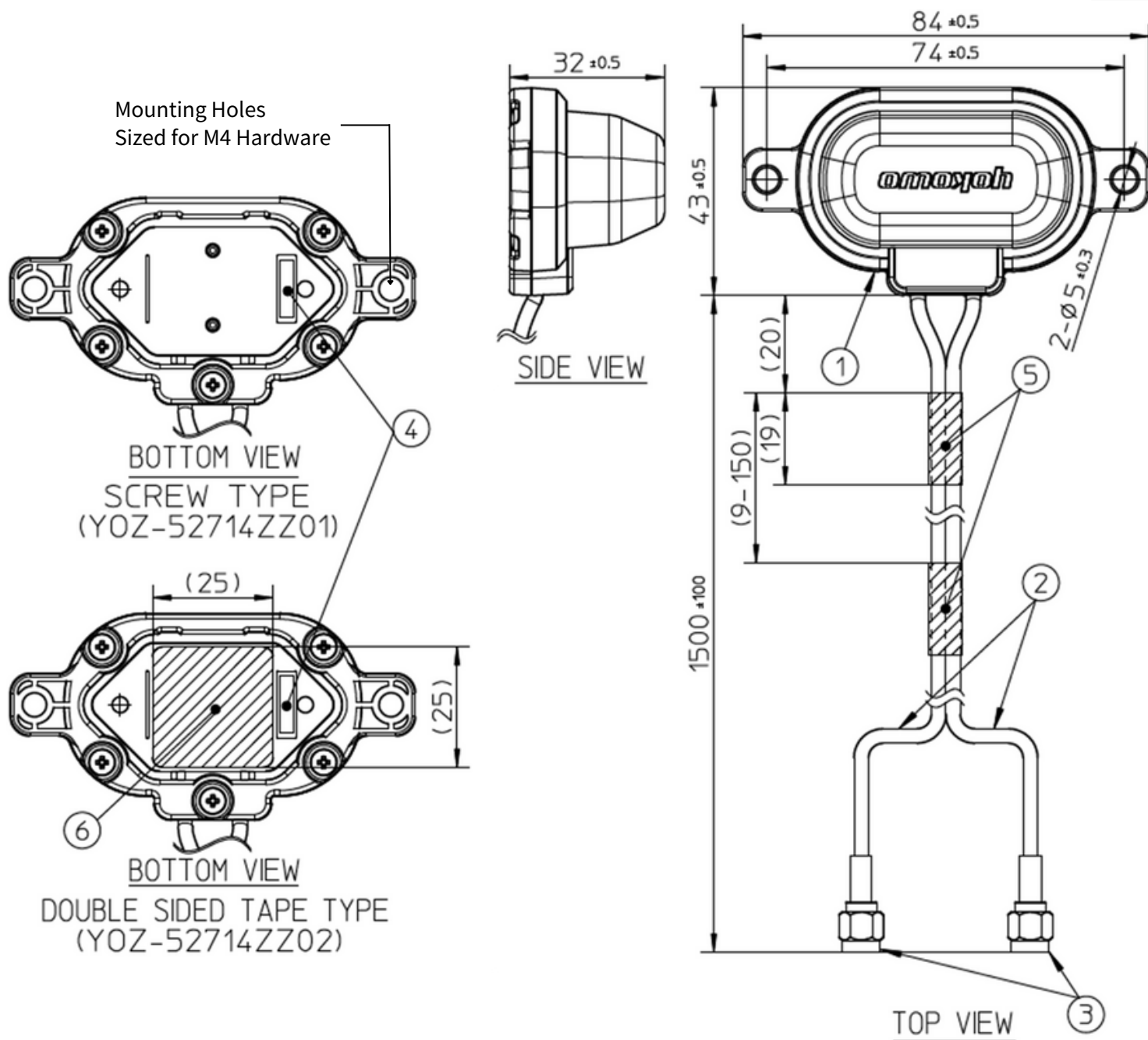
Radiation Pattern 3700.0MHz



Radiation Pattern 4800.0MHz



## 4. Mechanical Drawing



No	DESCRIPTION	Q'TY	MATERIAL	FINISH	REMARKS
1	MAIN BODY	1	PC+ASA	-	Body color:Black Grainning
2	COAXIAL CABLE	2	1.5D Cable	-	-
3	SMA(MALE)	2	BRASS	NICKEL PLATING	-
4	LABEL	1	WATER-RESISTANT PAPER	-	-
5	PVC TAPE	10	PVC	-	Color:Black
6	DOUBLE SIDED TAPE	1	Acrylic Adhesive	-	DOUBLE SIDED TAPE TYPE ONLY