

DataSheet

LTE Film Antenna (With Acrylic Plate)
YOZ-52341ZZ-YM

A Low-Profile, Inconspicuous LTE Band Antenna for interior application.
It can be attached to materials such as glass or resin that emit radio waves
using double-sided tape.

Applicable Bands :

(3G/4G) 1-8, 11-14, 17-21, 25,26, 28-30, 34, 39-41, 66, 70, 71

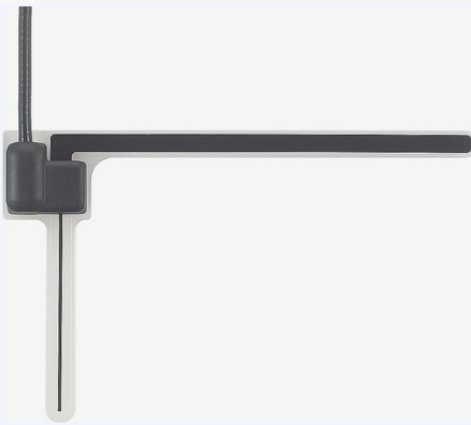
Frequency Range: 617~2690MHz

Dimensions : H66 x W106 x D9 mm

Standard Cable Length : 3,000 mm

Connector : SMA (Male)

Installation : Double-Sided Tape



Application:

Inventory Management/Electronic Payments for Vending machines,
IoT Router/Gateway, IoT Services for Automobiles



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

1. Specifications

Electrical							
Band	Frequency [MHz]	Efficiency[%]	Peak Gain[dBi]	Impedance	Max Input Power	Polarization	Radiation Pattern
Band 26	Tx 814MHz~849MHz	47.2%	1.94	50 ohm	2W	Linear	Omni-Directional
	Rx 859MHz~894MHz	53.2%	2.22				
Band 18	Tx 815MHz~830MHz	46.7%	1.63				
	Rx 860MHz~875MHz	51.1%	1.94				
Band 19	Tx 830MHz~845MHz	47.7%	1.94				
	Rx 875MHz~890MHz	55.2%	2.22				
Band 8	Tx 880MHz~915MHz	54.7%	2.30				
	Rx 925MHz~960MHz	50.0%	2.52				
Band 11	Tx 1427.9MHz~1447.9MHz	37.3%	2.51				
	Rx 1475.9MHz~1495.9MHz	34.6%	2.31				
Band 21	Tx 1447.9MHz~1462.9MHz	34.8%	2.07				
	Rx 1495.9MHz~1510.9MHz	34.8%	2.24				
Band 3	Tx 1710MHz~1850MHz	27.8%	1.48				
	Rx 1805MHz~1880MHz	27.4%	-0.50				
Band 1	Tx 1920MHz~1980MHz	29.5%	-1.15				
	Rx 2110MHz~2170MHz	34.0%	-0.46				

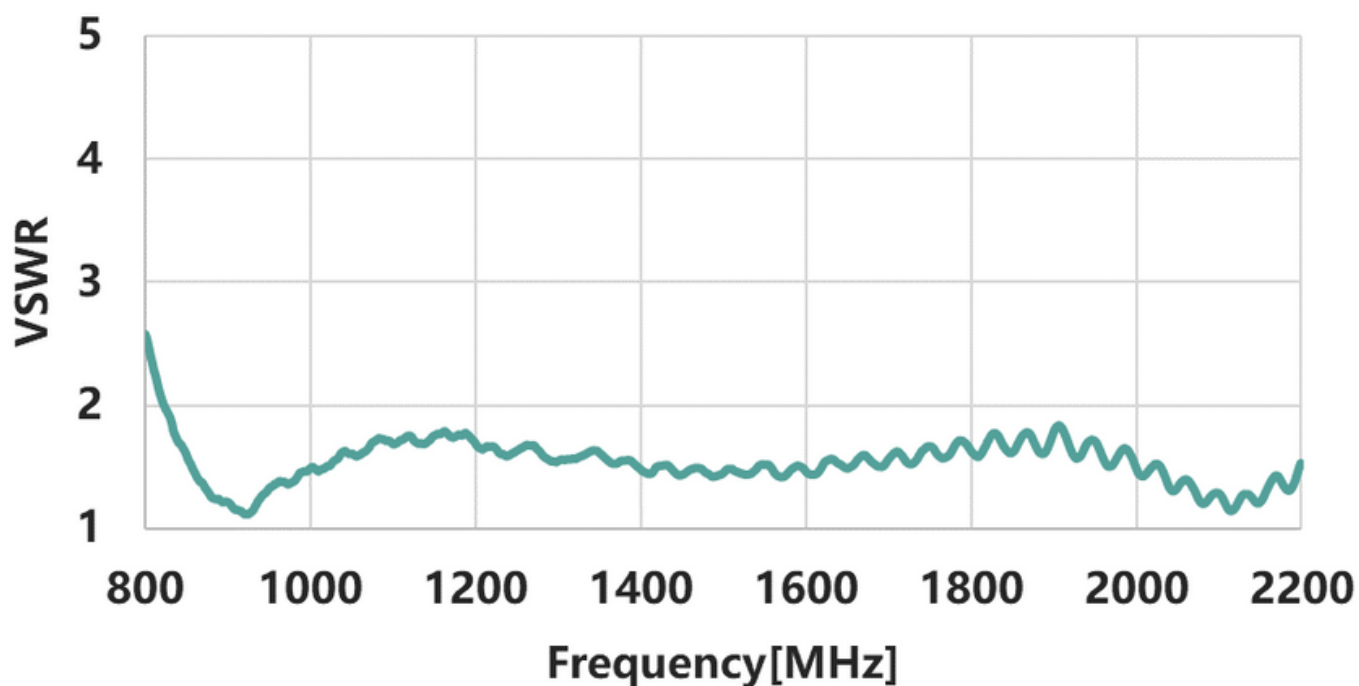
※with 3000mm 1.5D Cable

Mechanical	
Dimensions	106 * 66 * 9 mm
Weight	52g
Plastic Material	ASA
Cable	3000mm 1.5D
Connector	SMA (STRAIGHT/MALE)

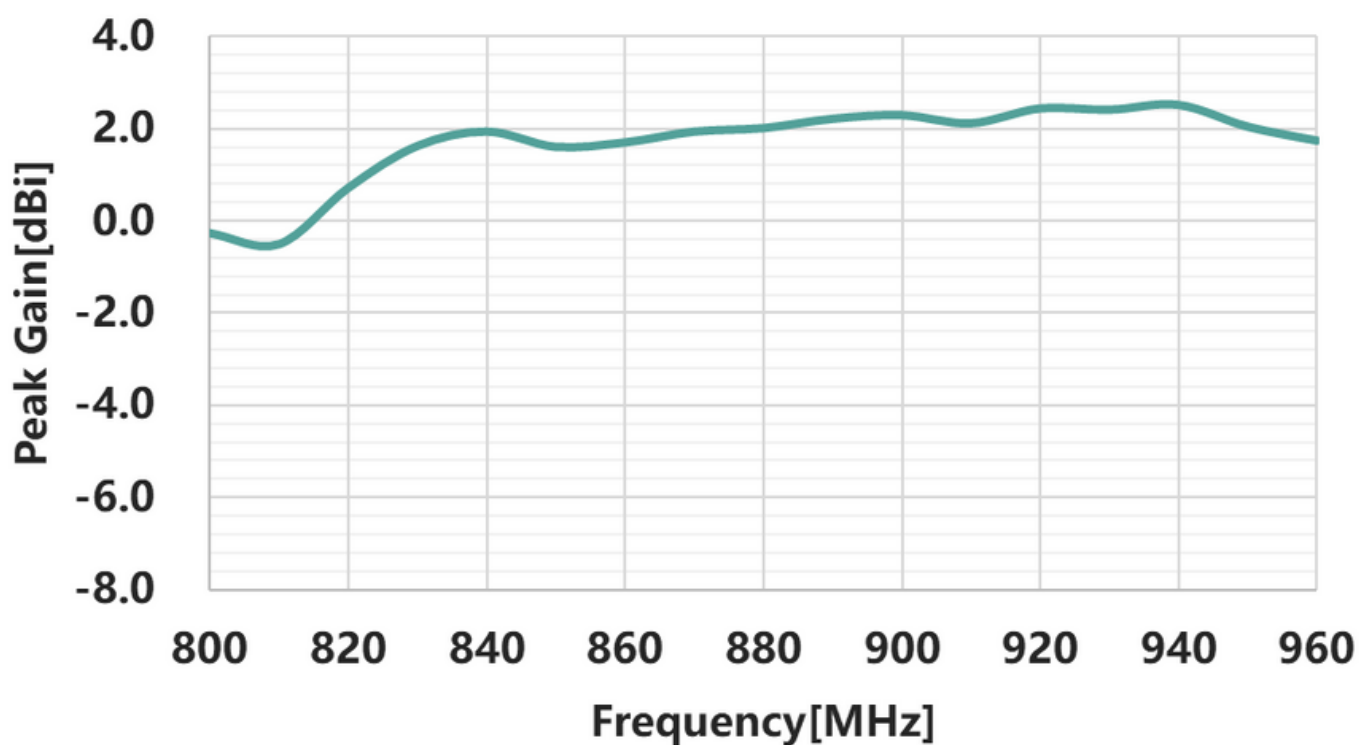
Environmental	
Temperature	-40℃~+85℃
Humidity	85℃/90%RH

2. Antenna Characteristics

VSWR



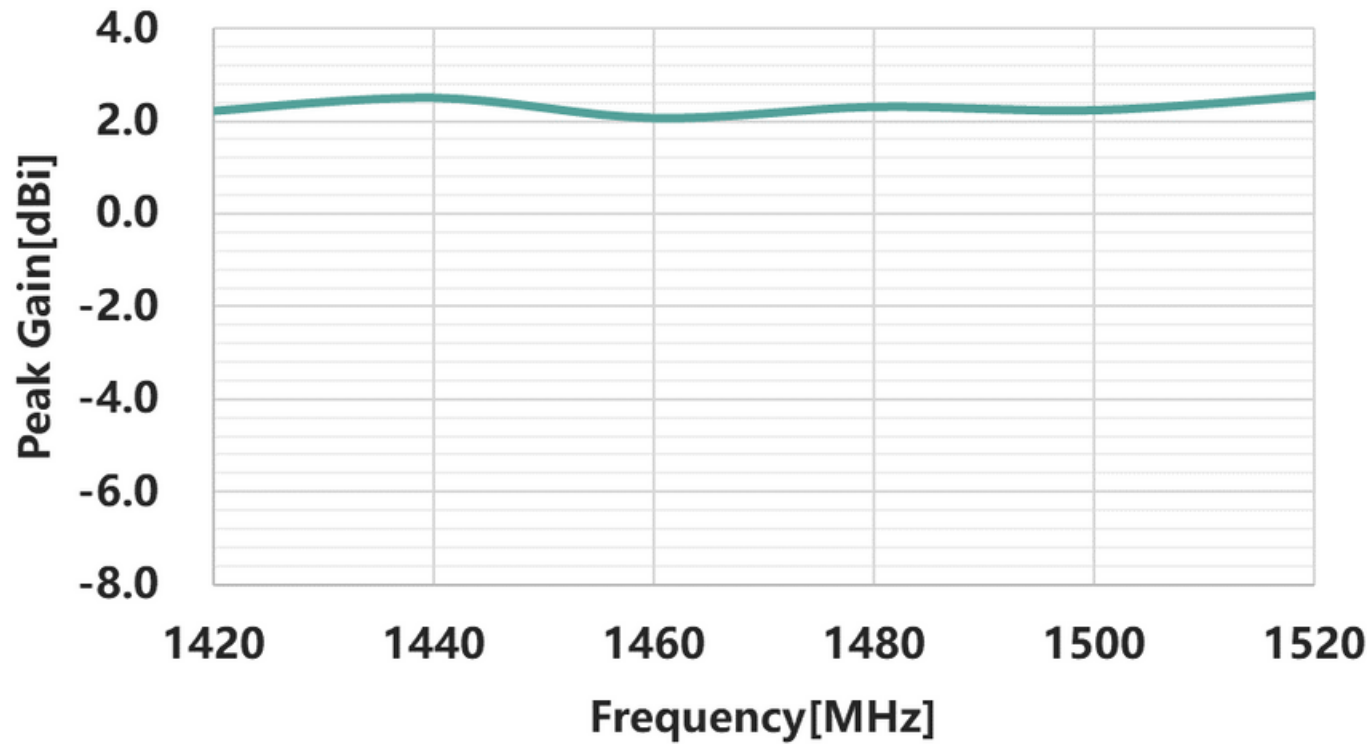
Peak Gain (800-960MHz)



※with 3000mm 1.5D Cable

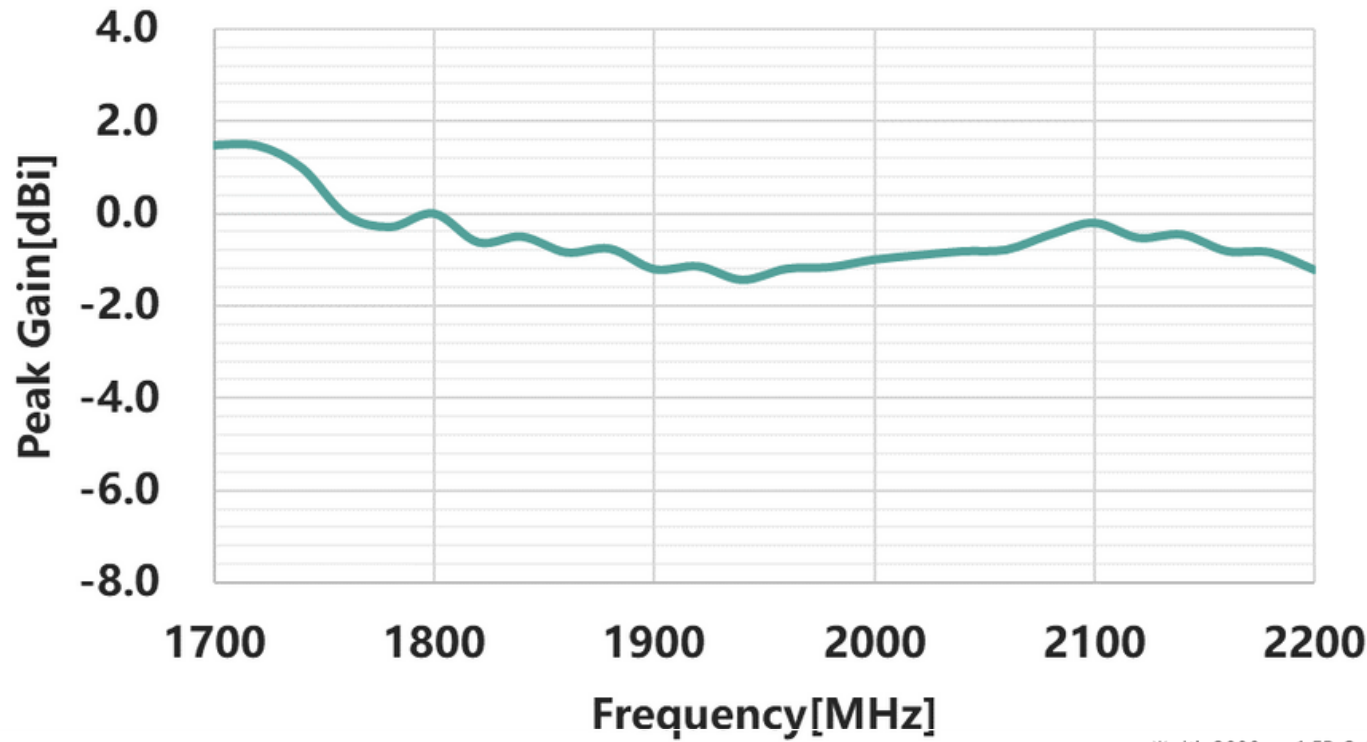
2. Antenna Characteristics

Peak Gain (1420-1520MHz)



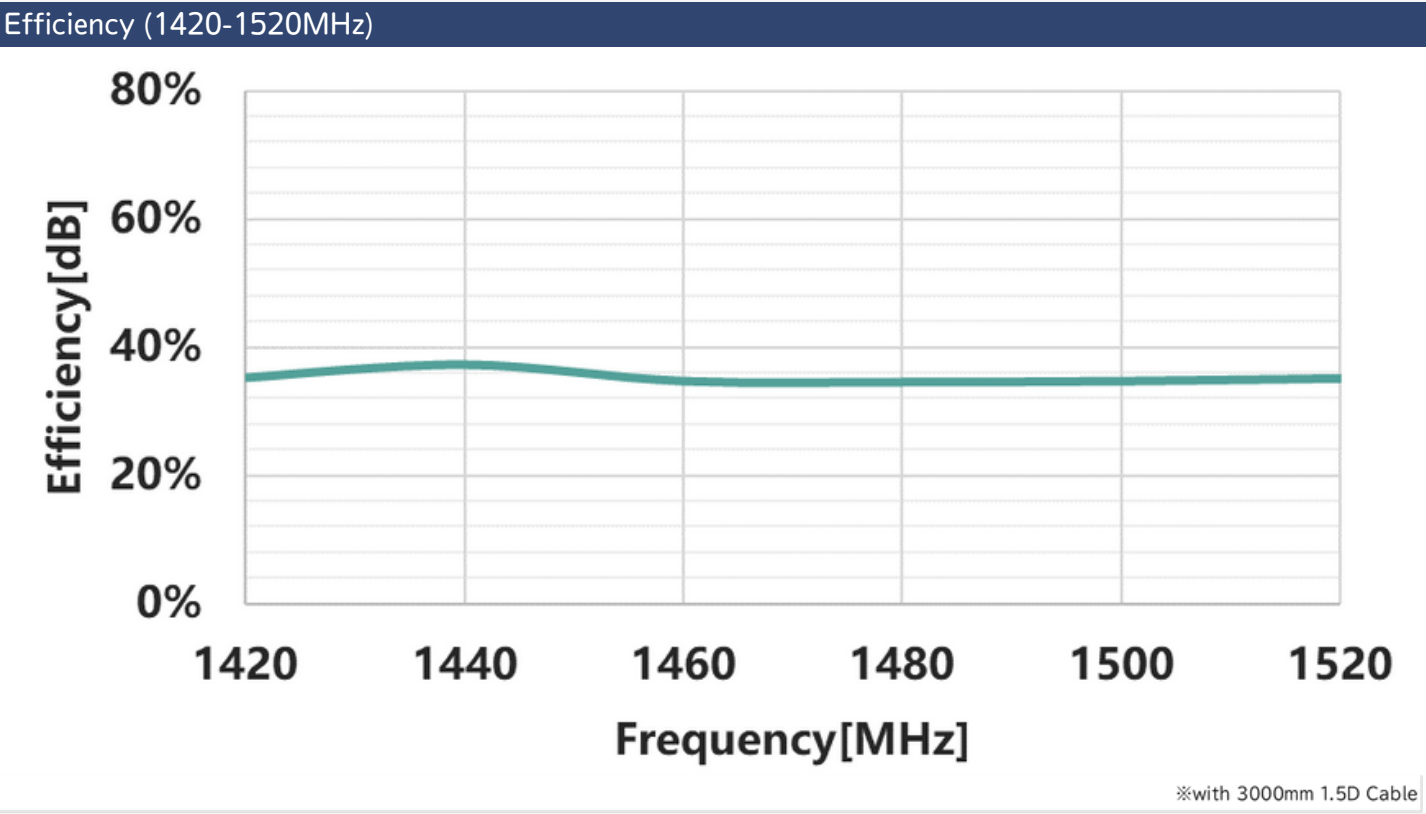
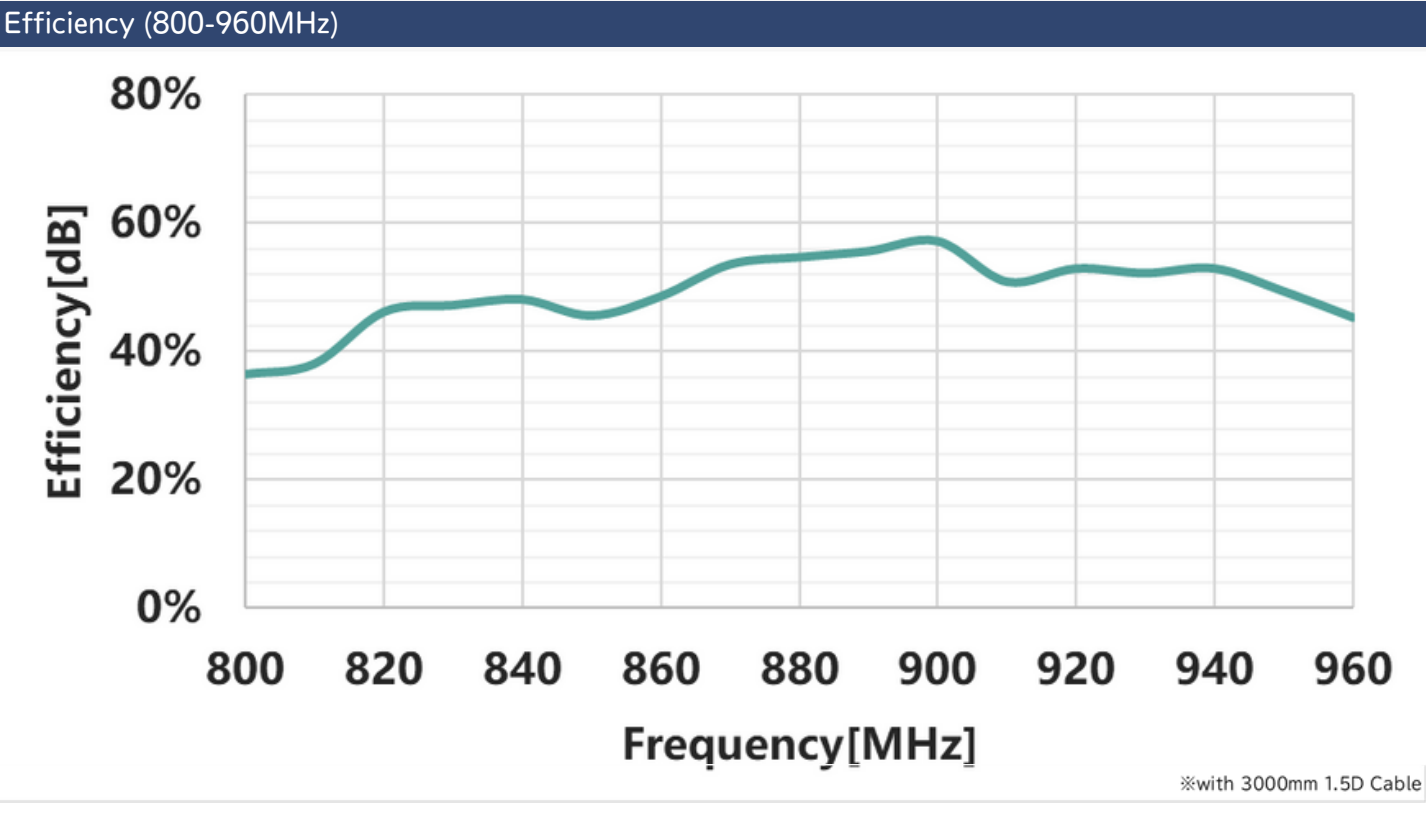
※with 3000mm 1.5D Cable

Peak Gain (1700-2200MHz)

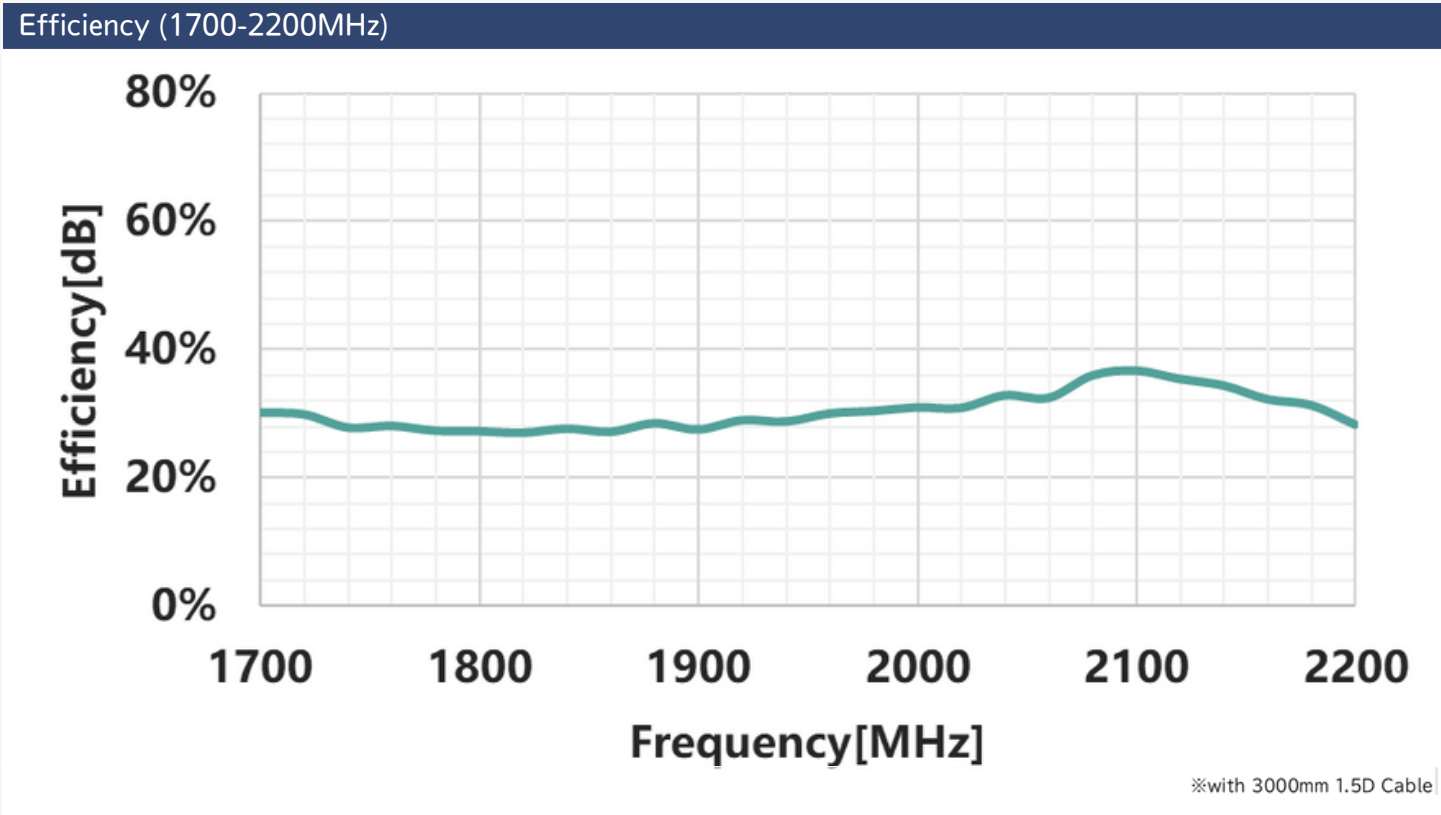


※with 3000mm 1.5D Cable

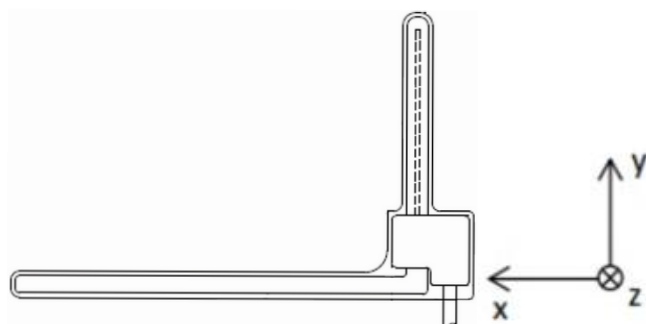
2. Antenna Characteristics



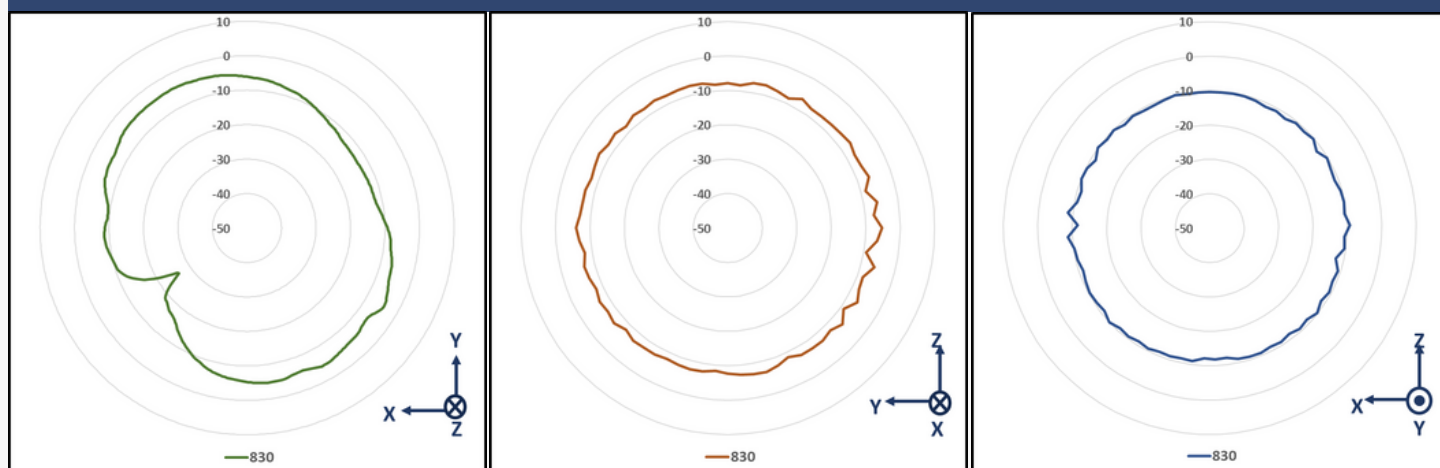
2. Antenna Characteristics



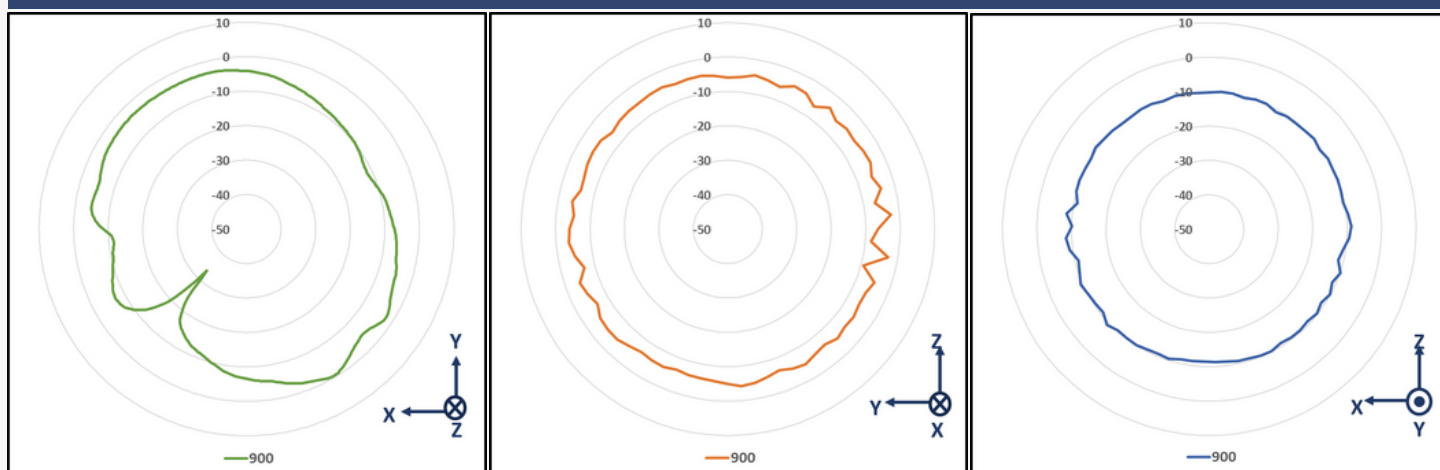
3. Radiation Patterns



Radiation Pattern 830.0MHz

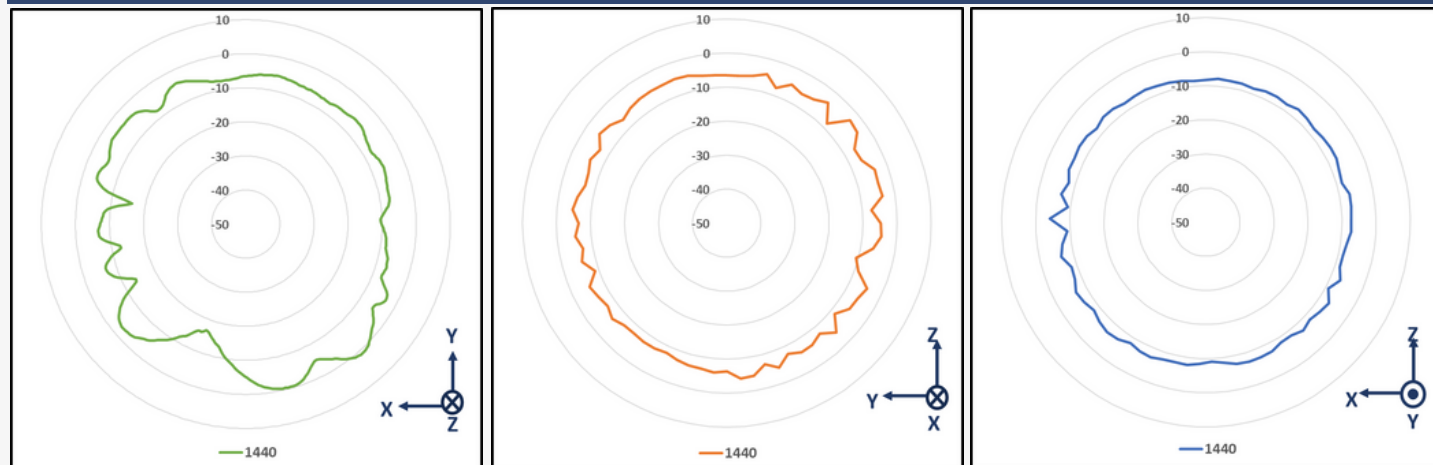


Radiation Pattern 900.0MHz

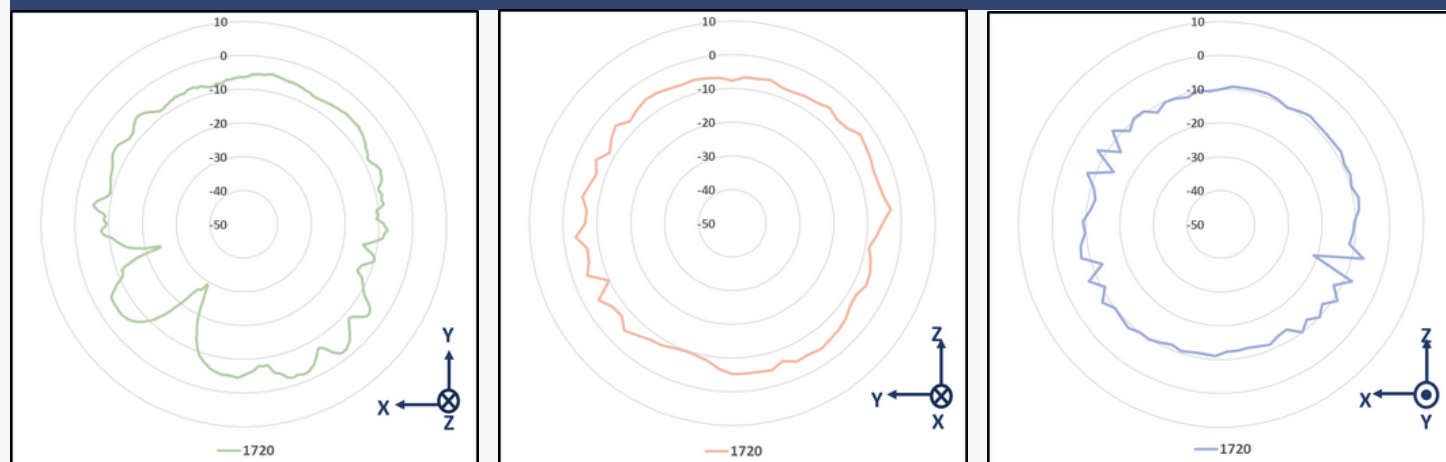


3. Radiation Patterns

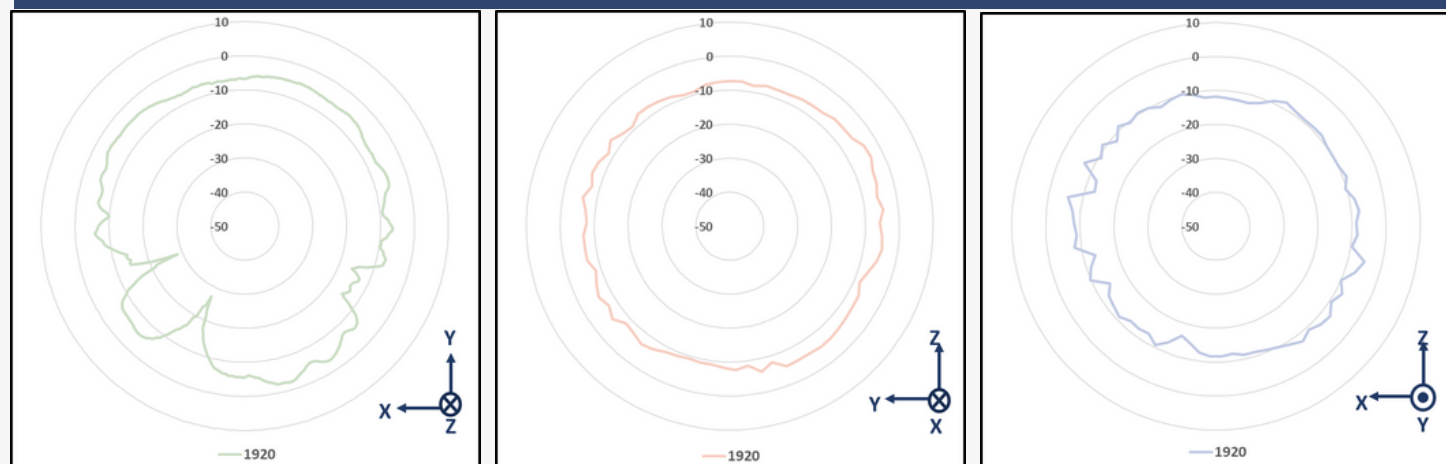
Radiation Pattern 1440.0MHz



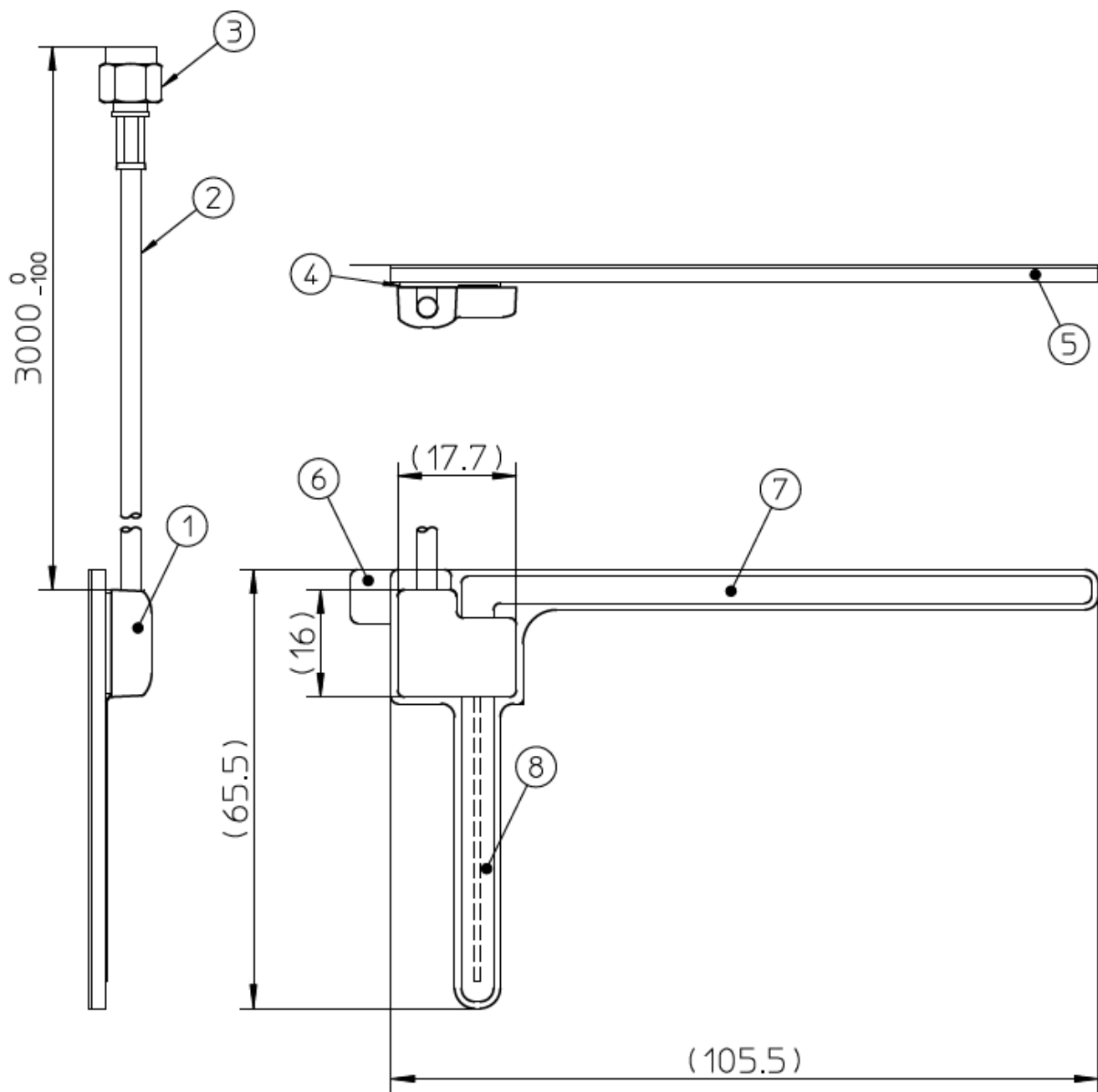
Radiation Pattern 1720.0MHz



Radiation Pattern 1920.0MHz



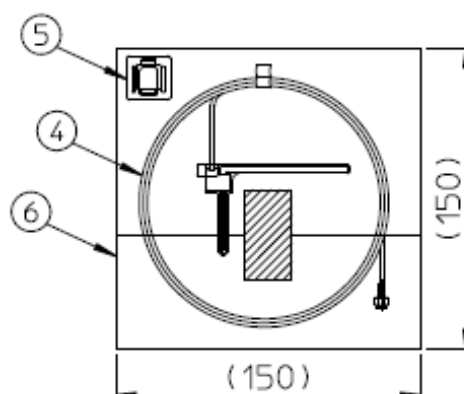
4. Mechanical Drawing



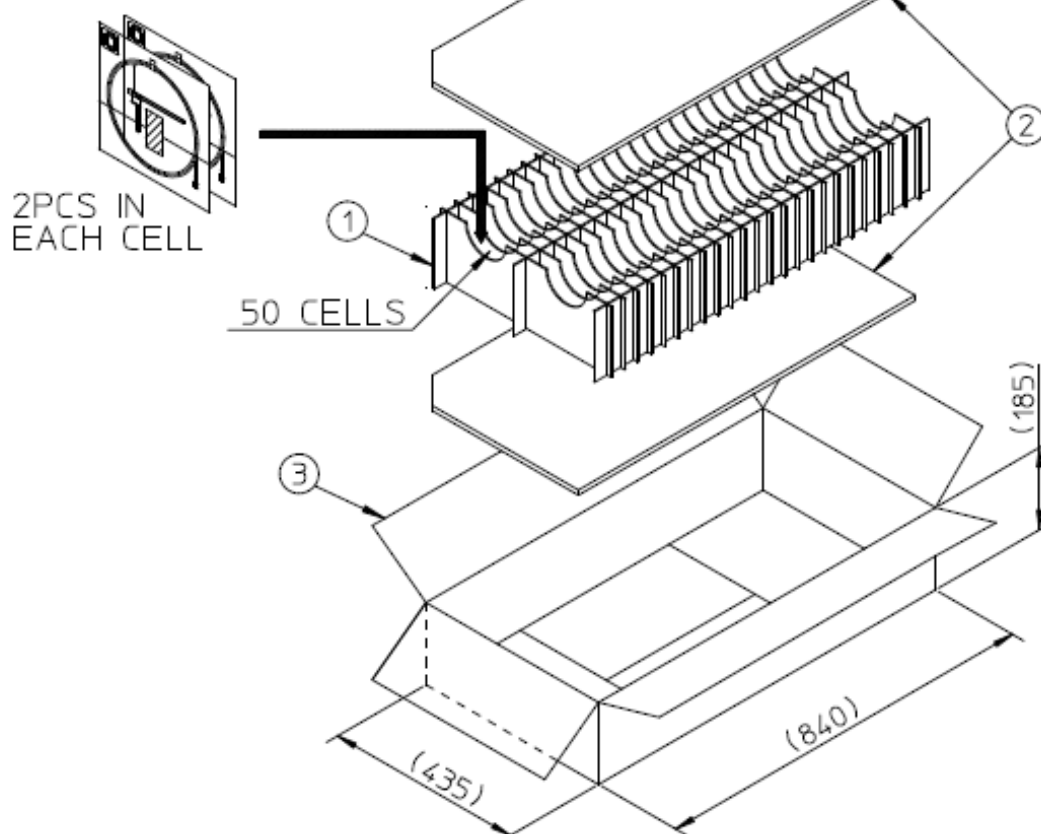
No	DESCRIPTION	Q'TY	MATERIAL	FINISH	REMARKS
1	MAIN BODY	1	ASA	-	Body color:Black Grainning
2	COAXIAL CABLE	1	1.5D	-	-
3	CONNECTOR	1	BRASS	NICKEL PLATING	SMA(MALE)
4	DOUBLE SIDED TAPE	1	Acrylic Adhesive	-	Color:Black
5	PLATE	1	ACRYLIC	-	with adhesive
6	TAG	1	PET	-	Color:Green
7	GND FILM	1	PET	-	Color:Black
8	ELEMENT FILM	1	PET	-	-

5. Packaging

1PC PER PE BAG
 · WEIGHT : 0.05kg
 · SIZE : 150mmX150mm



100PC PER CARTON
 · WEIGHT : 7.7kg
 · SIZE : 840mmX435mmX185mm



No	DESCRIPTION	Q'TY	MATERIAL	FINISH	REMARKS
1	PARTITION	1	CARDBOARD	-	-
2	BOARD	2	CARDBOARD	-	-
3	BOX	1	CARDBOARD	-	-
4	LTE FILM ANTENNA	100	-	-	-
5	CLIP	100	ASA	-	WITH ADHESIVE
6	PE BAG	100	PE(BLUE)	-	-