



5G/4G/Wi-Fi 6E Terminal Antenna

SZW-N-1L15

5G /4G LTE /Wi-Fi6E: 617-960; 1427-1660; 1710-2690; 2300-2690; 3300-7125MHz

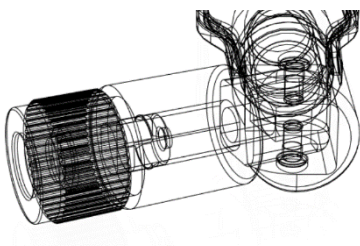


Name: TELESTO

Part Number: SZW-N-1L15

Description: Swivel antenna for Cellular and WLAN applications

- Terminal antenna
- Dimensions: 160.2 x 21.2 x 13 (mm)
- SMA (M) plug 0/45/90-degree swivel
- RoHS & Reach Compliant



SYNZEN
PRECISION TECHNOLOGY LTD



5G/4G/Wi-Fi 6E Terminal Antenna

SZW-N-1L15

5G /4G LTE /Wi-Fi6E: 617-960; 1427-1660; 1710-2690; 2300-2690; 3300-7125MHz

Description

A high-performance Terminal mount antenna for 5G/4G LTE/3G/2G/NB-IoT/CATM/Wi-Fi 6E applications. Connection with a hinged SMA connector for adaptive mounting.

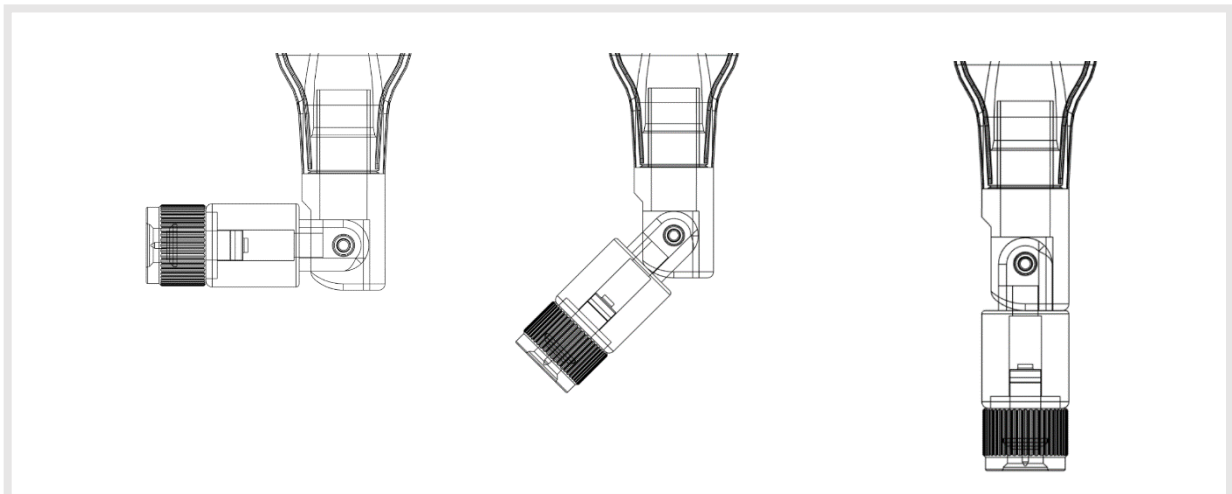
- Simple integration, plug and operate the device without designing onboard antenna.
- Alternate reverse SMA connector available upon request.
- Contact sales@synzen.com.tw for more information.
- 5G NR bands / 4G Global bands / Wi-Fi 6E

Applications

Gateways/Routers
Smart Grid

Industrial IoT
Remote Monitoring

Smart Meters
Connected Enterprise





General Specifications

Mechanical Specifications

Part Number	SZW-N-1L15
Name	TELESTO
Dimensions (Right angled)	L=160.2 x 21.2 x ϕ =13 (mm)
Weight	27g
Antenna Type	Terminal, Microstrip
Connector	SMA (M) Plug
Swivel	3 position 0°/45°/90°

RF Specifications

Frequency Range (MHz)	617-960	1427-1660	1710-2690	3300-4200
Average Efficiency (Linear)	>50%	>55%	>55%	>55%
Peak Gain (dBi)	1.00	2.00	2.00	2.00
S11 (max) dB	<-5.30	<-8.00	<-8.30	<-
VSWR (max)	3.30:1	2.40:1	2.30:1	2.30:1
Impedance	50 Ω			
Polarization	Vertical			

Frequency Range (MHz)	4400-5000	5150-7150
Average Efficiency (Linear)	>55%	>5%
Peak Gain (dBi)	2.00	2.00
S11 (max) dB	<-8.00	<-6.60
VSWR (max)	1.80:1	2.70:1

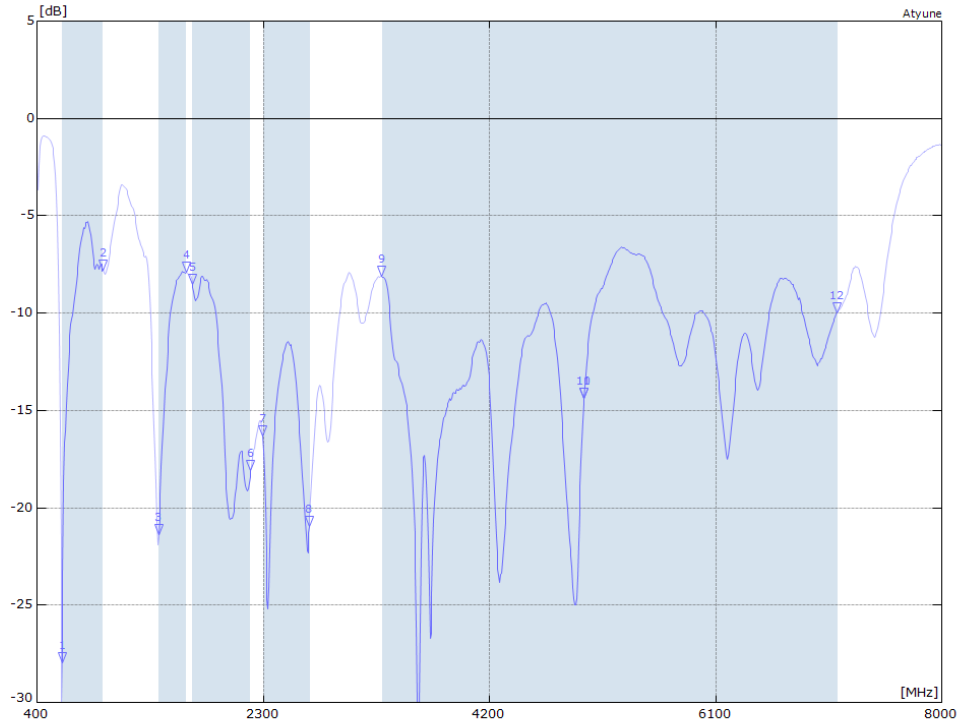
Environmental Specifications

Operational Temperature	-20 to +65 (°C)
Storage Temperature	-40 to +70 (°C)

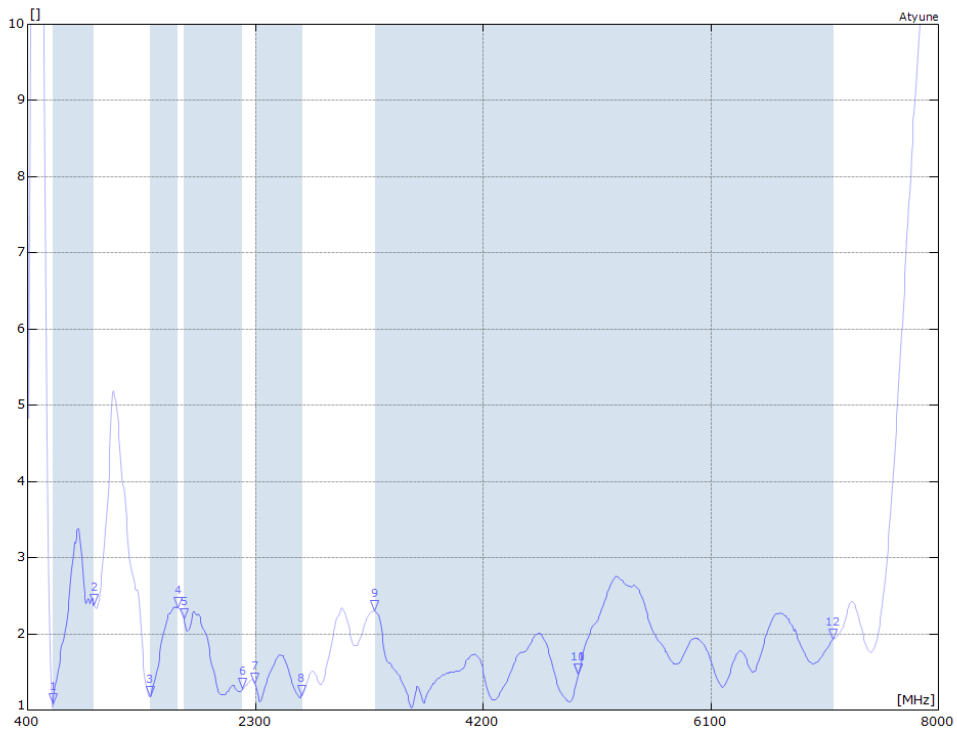


RF Characteristics

S11 Parameter



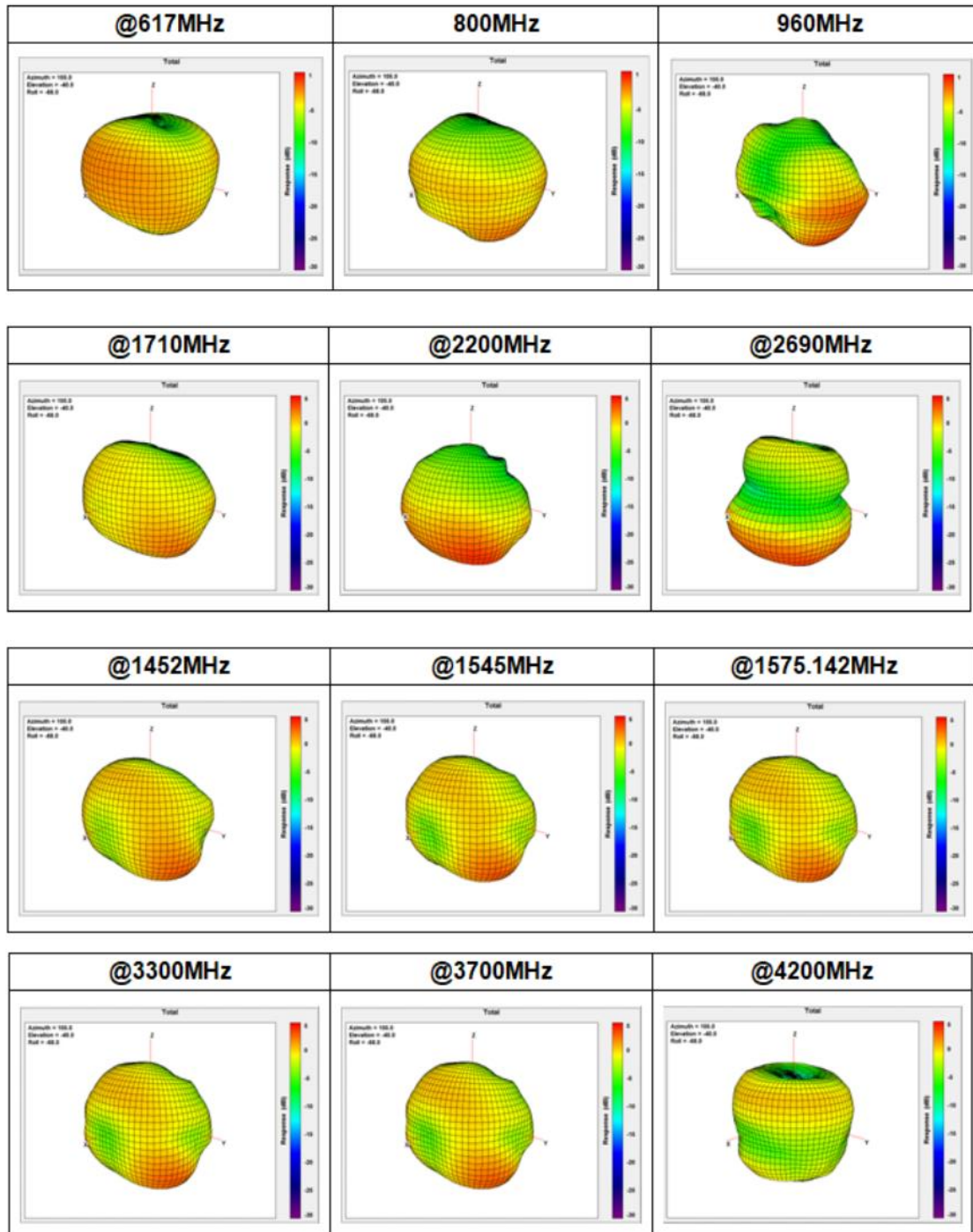
VSWR





Radiated Performance

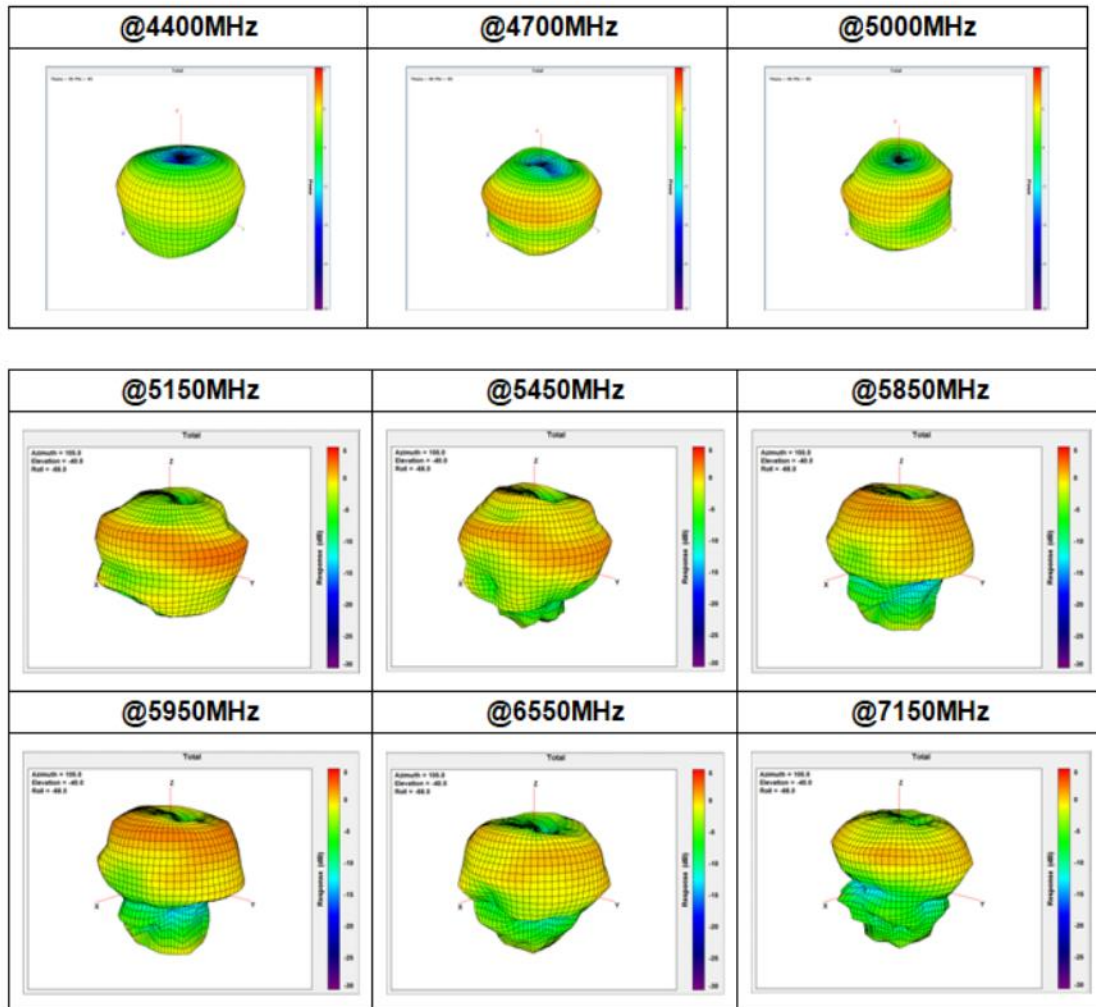
3D Radiation Patterns





Radiated Performance

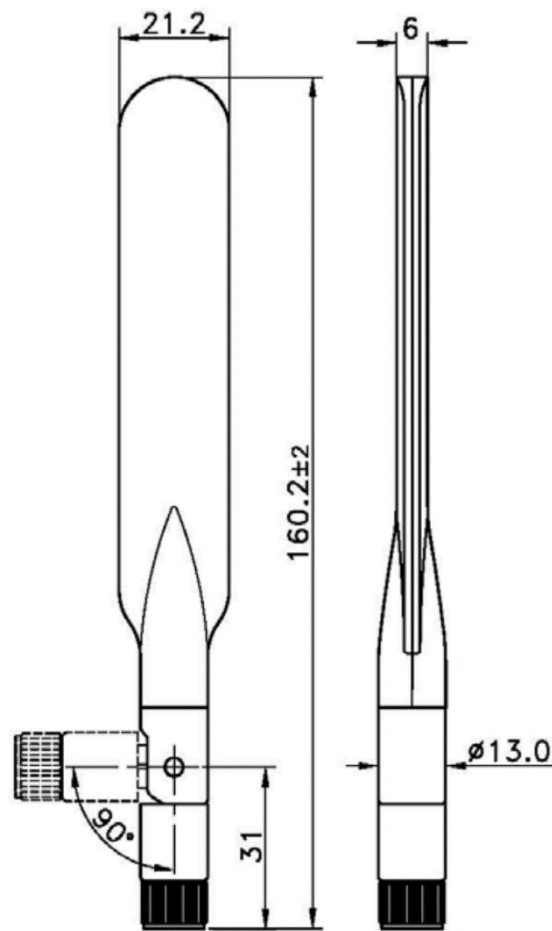
3D Radiation Patterns





Mechanical

2D Drawing



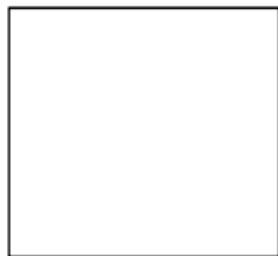
SMA PLUG

Packaging

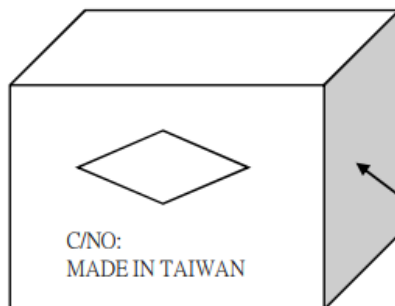
Bag and Packaging Information



- ① 1pcs antenna / 1 PE bag
PE bag size 50*250mm




- ② 50pcs antenna / 1 PE bag
PE bag size 280*450mm



- ③ 400pcs antenna / 1 carton
Carton size 320*250*290

MODEL No.:	
Q'ty:	PCS
N.W:	PCS
G.W:	PCS

Label

 SYNZEN SYNZEN PRECISION TECHNOLOGY	
Part Number:	SZW-N-1L15
Description :	5G/4G LTE/Wi-Fi 6E Terminal Antenna SMA(M)
Name:	TELESTO
Quantity:	400
Date Code:	YYWW
A3, 4F, No. 58, Zhouzi St, Neihu Dist., Taipei City, 11493, Taiwan Tel: +886 (02) 2659 8030 www.synzen.com.tw	



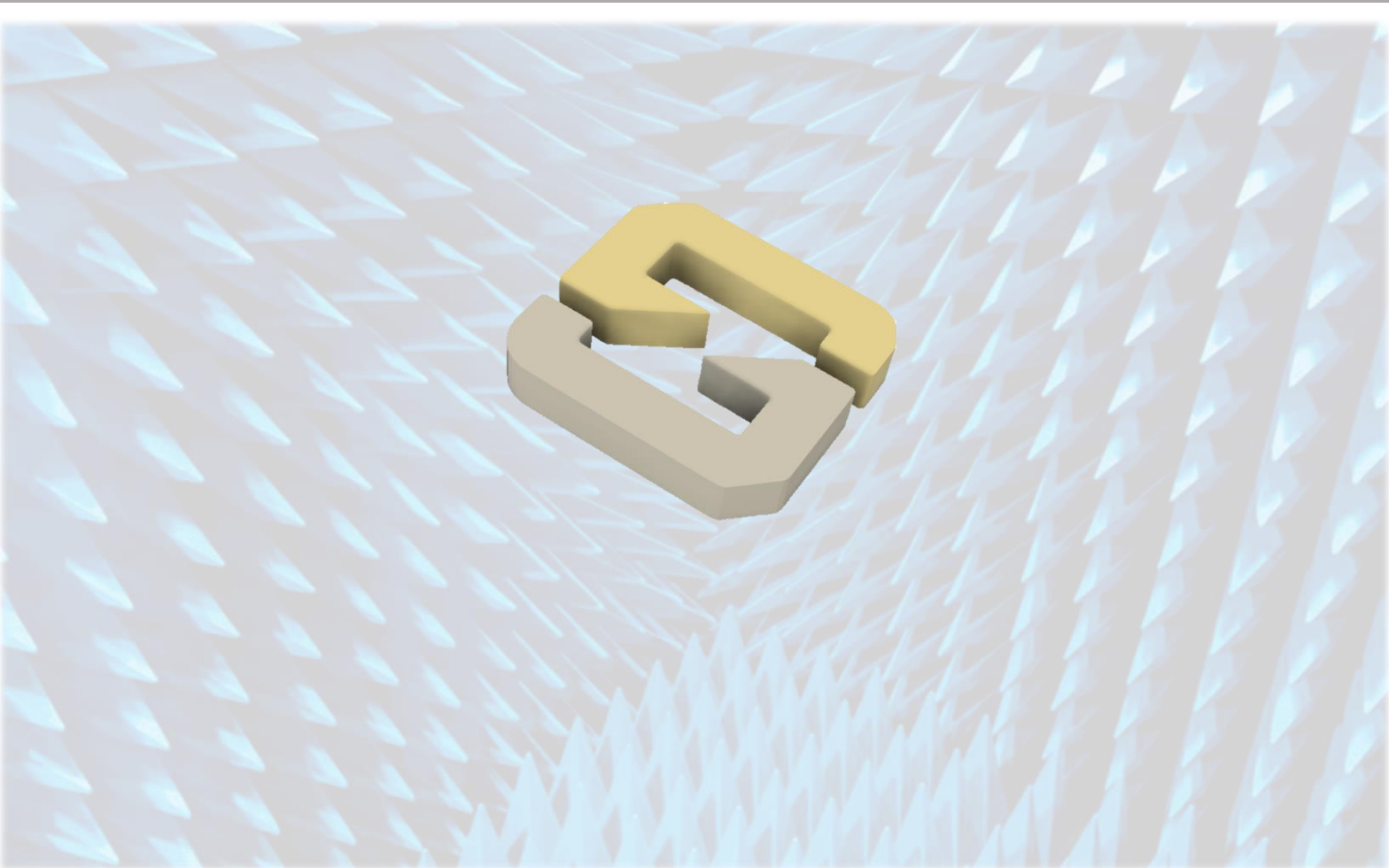
Environmental

Material Regulation

The antenna has been tested to conform to RoHS requirements. A certificate of conformance is available upon request.



Synzen Precision Technology Ltd



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