

We make your  
RF the BEST



Your trusted partner  
for 5G and **BEYOND-5G**

# Antenna

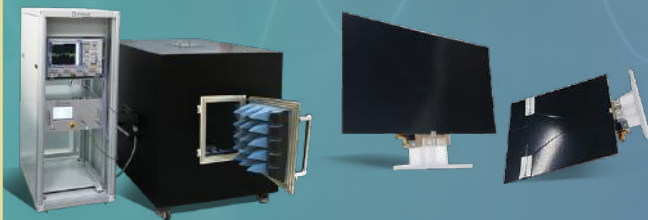
For  
**Sub6**  
For  
**mmWave**

## [ For Sub6 ]

## [ For mmWave ]

[ Test & Measurement ]

600MHz - 9GHz



OTA Chamber

Wide Band Antenna

24GHz - 48.5GHz



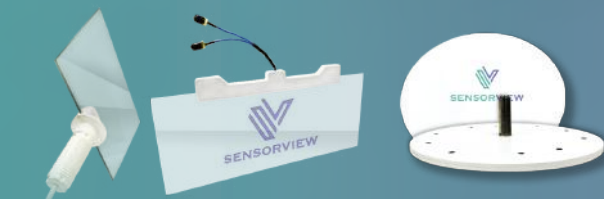
26/28/39GHz band antenna

Horn Antenna

Lens Antenna

[ In-building ]

698 - 960MHz / 1710 - 2690MHz / 3.5GHz / 5.8GHz



Transparent Antenna (SISO)

Transparent Antenna (MIMO)

Disk Type Antenna (SISO/MIMO)

28GHz ( Optimized by request )



Beamforming Antenna (@W/O chip)

Wide beam scanning Antenna



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**SENSORVIEW**

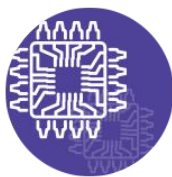


# SMFinder® High-end mmWave Antenna

**Stable & Accurate  
Measurement**

SMFinder® type antennas promise stable & accurate measurement for relative DUT performance.

## Application



Lab & Bench Test



OTA Shield Box








Phase and Gain Adjustable

Light-Weight

High Reliable Performance

24 to 48GHz / 55 to 67 GHz

## Products

Figure	Product Part Name	Frequency [ GHz ]	Gain [ dBi/dBic ]	Polarization	Size [ WxHxD ] / [ mm ]	Connector Type
	<b>0015-01</b>	24.0-29.5	10	Vertical & Horizontal	30(@) X 45	2.92mm
	<b>0015A</b>	24.0-40.5	15	Vertical & Horizontal	35(@) X 80	2.4mm
	<b>0015B (Type 1)</b>	24.0-40.5	13	Vertical	17 X 17 X 25	2.92mm
	<b>0015B (Type 2)</b>	24.0-40.5	13	Vertical	17 X 18 X 33	2.92mm
	<b>0015C</b>	24.0-48.5	15	Vertical & Horizontal	42 X 42 X 60	2.4mm
	<b>0015D</b>	24.0-48.5	15	Vertical	34 X 24 X 45	2.4mm
	<b>0015E</b>	24.0-40.5	15	Vertical & Horizontal	52(@) X 123	2.92mm



## COMPACT **OTA** TESTING

SMFinder series are highly efficient antennas for compact OTA testing.



### Circular Polarization Antenna

CP antenna for broadband

- Mass-production available
- Lower cost  
(antenna, chamber box, absorber)

Good performance of axial ratio

- Compact size  
(antenna, chamber box)
- Lighter than horn antennas

## Products

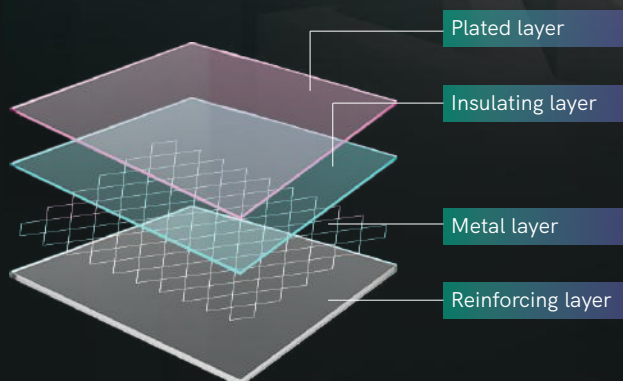
Figure	Product Part Name	Frequency [GHz]	Gain [dBi/dBic]	Polarization	Size [WxHxD] / [mm]	Connector Type
	<b>0016</b>	24.2-43.5	13	Circular	18 X 15 X 24	WR 28
	<b>0016A</b>	24.4-43.5	13	Circular	21 X 18 X 35	2.4mm
	<b>0016B</b>	24.2-48.5	14	Circular	18 X 20 X 41	2.4mm
	<b>0016C</b>	24.2-48.5	10.3	Circular	11 X 14 X 24	2.4mm
	<b>0017</b>	57-67	15	Circular	15(@) X 21	WR 15
	<b>0013A</b>	24.2-29.5	10	Circular	27 X 27 X 14	2.92mm
	<b>0050</b>	26.5-29.5 / 37.5-40.5	11/12	Circular	42 X 42 X 22	2.92mm
	<b>0051</b>	24-26.5 / 26.5-29.5 / 37.5-40.5	11/11/12	Circular	42 X 42 X 27	2.92mm
	<b>0052</b>	24-26.5 / 26.5-29.5 / 37.5-40.5 / 40.5-43.5	9/9/9/9.5	Circular	42 X 42 X 11	2.4mm



# Antennas for Sub-6GHz In-Building Solution

## illum Transparent Antenna

The Most Suitable Antenna Solution for In-Building Networks for the New Era



95% Transparency  
'ESG' Low Plastic Usage  
Secured Performance



Description	Type	Frequency [ GHz ]	Gain [ dBi ]	Availability
Transparent	SISO	0.824~0.96 / 1.71~2.17 / 2.3~2.69 / 3.4~3.7	2.0 / 3.0 / 3.0 / 3.0	Available now
	MIMO	0.698~0.96 / 1.71~2.17 / 2.3~2.69 / 3.4~3.7	2.0 / 3.0 / 3.0 / 3.0	Available now
	SISO	0.617~0.96 / 1.71~2.69 / 3.4~3.7 / 5.8	2.0 / 3.0 / 3.0 / 3.0	Available now
	MIMO	0.617~0.96 / 1.71~2.69 / 3.4~3.7 / 5.8	2.0 / 3.0 / 3.0 / 3.0	Available now
	SISO	1.71~2.69 / 3.4~3.7 / 5.8	3.0 / 3.0 / 3.0	Available now (for Window)
	MIMO	1.71~2.17 / 2.3~2.69 / 3.4~4.	3.0 / 3.0 / 3.0	Available now (for Window)





# Broadband Performance for Various Service

**Ultra-thin**  
(only 7 mm thickness)  
**antenna for indoor**

**Reliable antenna  
performance**

**Eco-friendly installation**

SF141 type (pig tail) available  
**N-type or 4.3-10 mini-DIN  
connector available**



Description	Type	Frequency [ GHz ]	Gain [ dBi ]	Availability
UFO	SISO	0.698~0.96 / 1.71~2.69 / 3.4~3.7 / 5.8	3.0 / 4.0 / 4.0 / 4.0	Available now (Ceiling type)
	MIMO	0.698~0.96 / 1.71~2.69 / 3.4~3.7 / 5.8	3.0 / 4.0 / 4.0 / 4.0	Available now
	SISO	0.698~0.96 / 1.71~2.69 / 3.4~3.7 / 5.8	3.0 / 4.0 / 4.0 / 4.0	Available now (Wall type / Side pigtail)
	SISO	0.698~0.96 / 1.35~2.69 / 3.3~4.0	2.5 / 4.0 / 5.0	Available now (Ceiling / Pigtail type)
	MIMO	0.698~0.96 / 1.35~1.55 / 1.71~2.69 / 3.3~4.0	4.0 / 4.0 / 4.0 / 5.0	Available now (Ceiling / Pigtail type)