



# Wi-Fi 6/6E TRIPLE BAND EMBEDDED ANTENNA

**Part Numbers: 2344657-1, 2344657-2  
2344657-3, 2344657-4  
2344657-5, 2344657-6  
2344657-7, 2344657-8  
2344657-9**

## FEATURES & BENEFITS

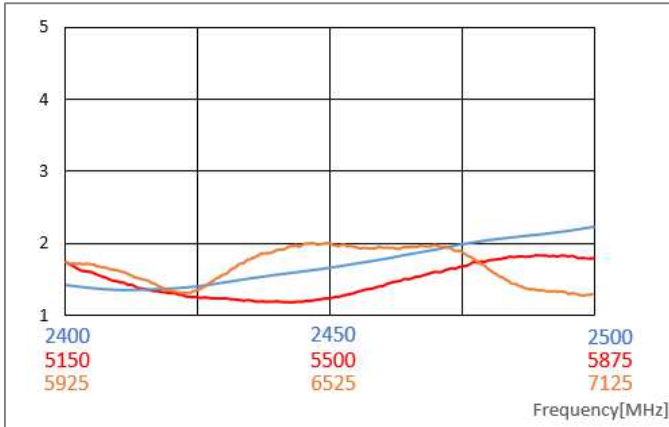
- Wi-Fi 6, also including Wi-Fi 6E new 6GHz band, Bluetooth, ZigBee
- Adhesive backing on FPC simplifies mounting within the device
- Omnidirectional coverage
- No matching components required
- Ground-plane independent design
- Different cable length and connector options available

## SPECIFICATIONS (Shown as 2344657-1 : Others can vary with different cable lengths.)

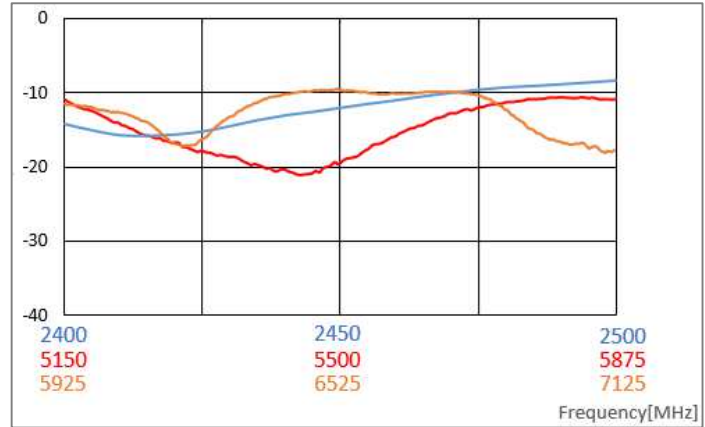
<b>Frequency Range (MHz)</b>	2400-2500	5150-5875	5925-7125
<b>VSWR</b>	< 2.7:1	< 2.1:1	< 2.1:1
<b>Average Efficiency</b>	61%	72%	66%
<b>Peak Gain</b>	1.1dBi	4.9dBi	5.3dBi
<b>Average Gain</b>	-2.5dB	-1.1dB	-1.4dB
<b>Power Handling</b>	10 Watt cw		
<b>Feed Point Impedance</b>	50 ohms unbalanced		
<b>Polarization</b>	Linear		
<b>Size</b>	35 mm x 8.0 mm x 0.2 mm		
<b>Weight</b>	< 0.8 g		
<b>Mounting</b>	Adhesive Tape		
<b>Mating Connectors</b>	MHF and MHF4-type, Refer to page 5		
<b>Cable (Coaxial)</b>	0.81mm and 1.13mm Dia., Refer to page 5		
<b>Operating Temperature</b>	-40 to +85°C		
<b>Storage Temperature</b>	-40 to +85°C		
<b>Hazardous Materials</b>	A certificate of conformance is available from the product page on TE website.		

RF DATA (Shown as 2344657-1 : Others can vary with different cable lengths.)

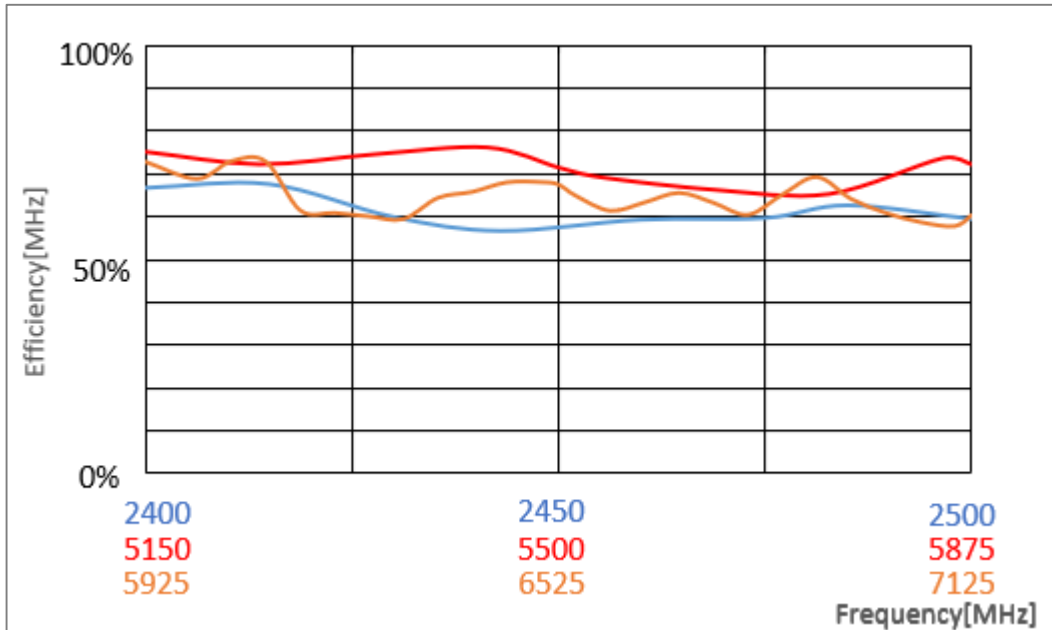
VSWR



Return Loss



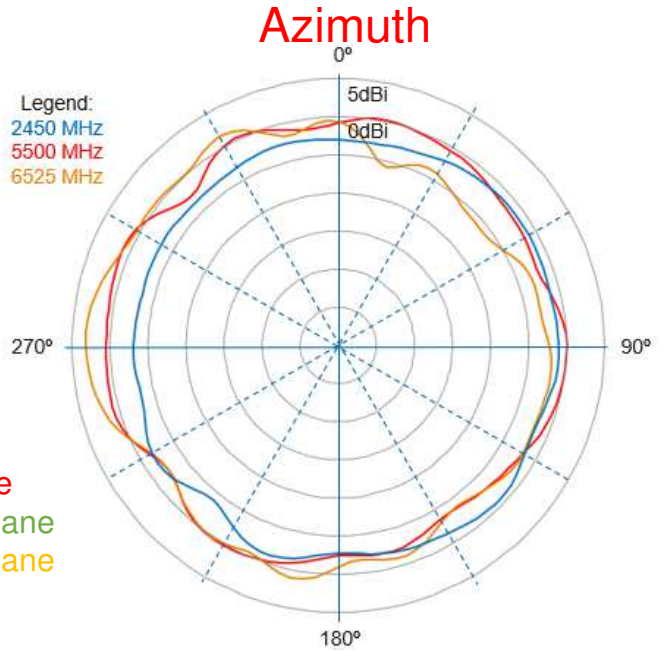
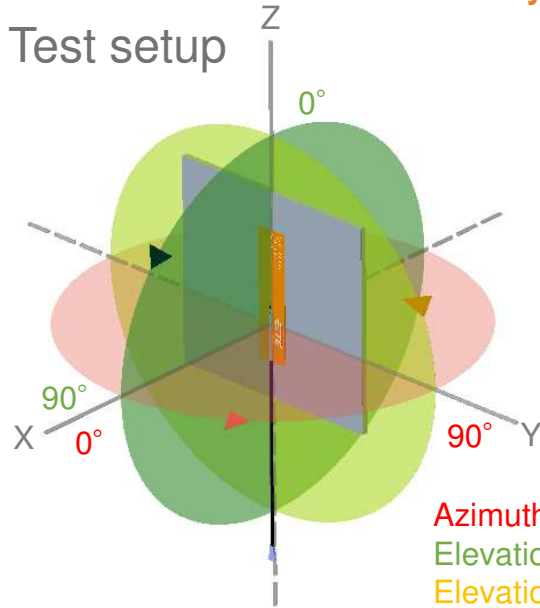
Efficiency



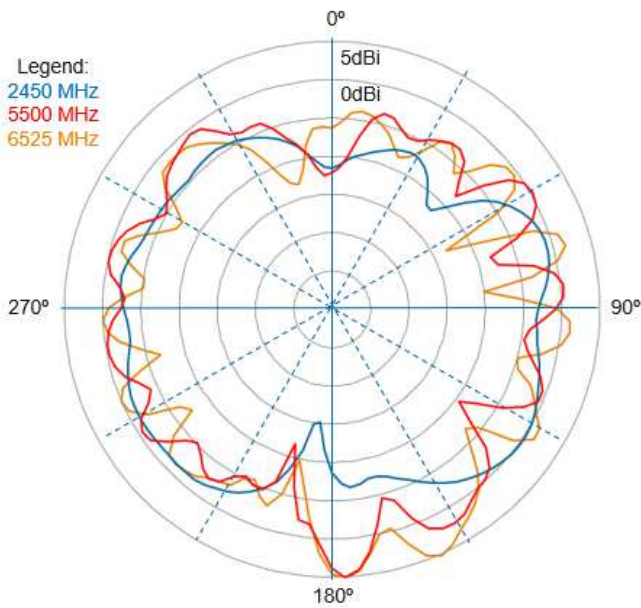
Data measured in free space and on plastic device enclosure

# RADIATION PATTERN

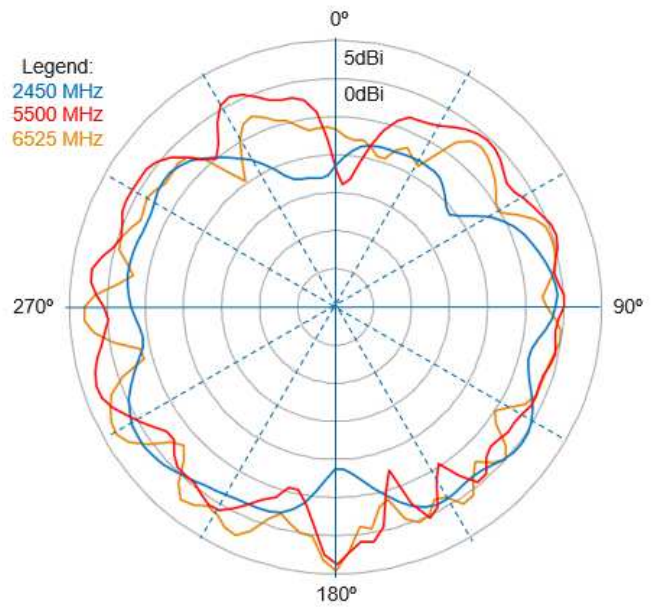
(Shown as 2344657-1 : Others can vary with different cable lengths.)



### Elevation 1

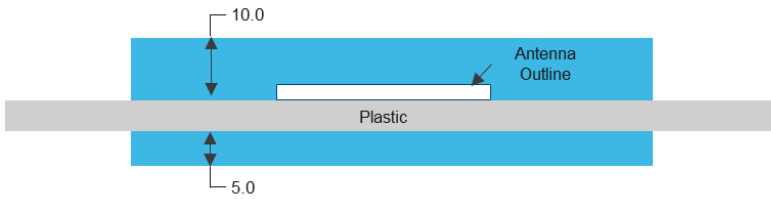


### Elevation 2



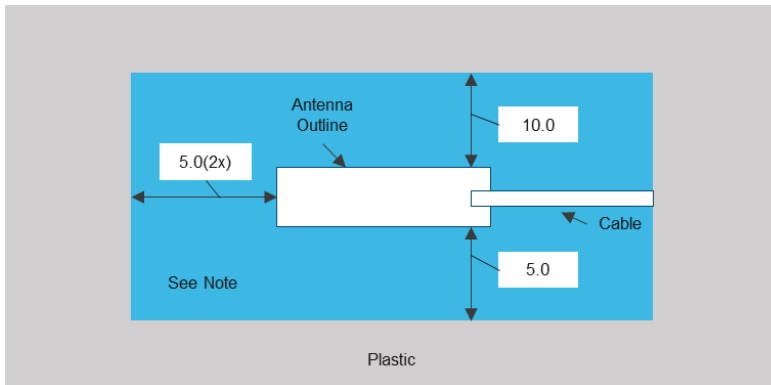
Data measured in free space and on plastic device enclosure

## KEEP OUT AREA



### NOTES

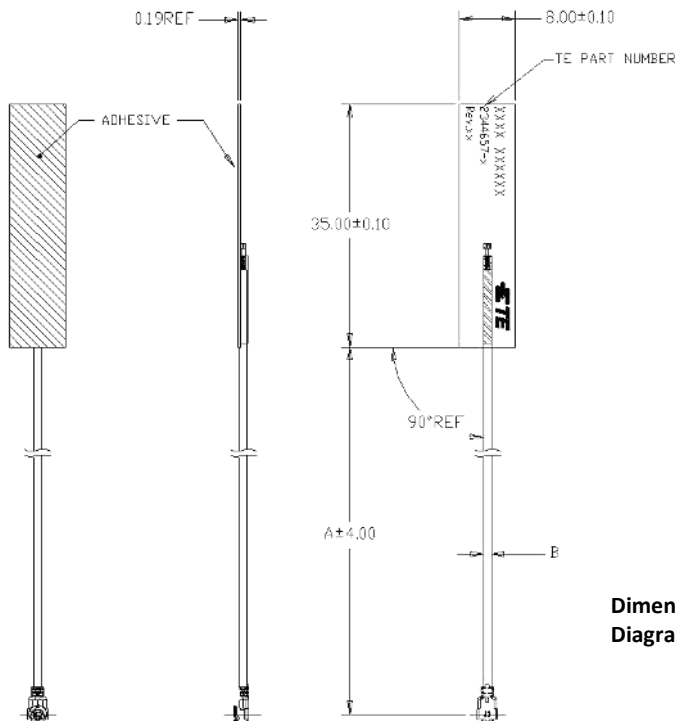
1. Antenna designed to be mounted on plastic cover.
2. Area in blue indicates Keep Out Area
3. Contact TE if keep out zone cannot be guaranteed.



Dimension: mm  
Diagrams is not into scale


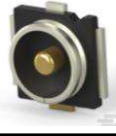
## DIMENSIONS

(Refer to Page5 for dimension "A" and "B")

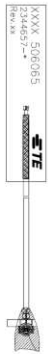


Dimension: mm  
Diagrams is not into scale

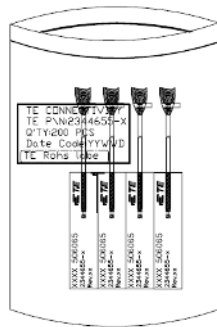
## MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

2344657-1	50	1.97	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344657-2	100	3.94	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344657-3	150	5.91	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344657-4	200	7.87	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344657-9	250	9.84	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2344657-5	50	1.97	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2344657-6	100	3.94	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2344657-7	150	5.91	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2344657-8	200	7.87	0.81	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
PART NUMBER	MM	INCH	CABLE O.D(B), MM	CONNECTOR TYPE (ON CABLE)	PART NUMBER	IMAGE
	CABLE LENGTH ("A")				MATING COMPONENTS	

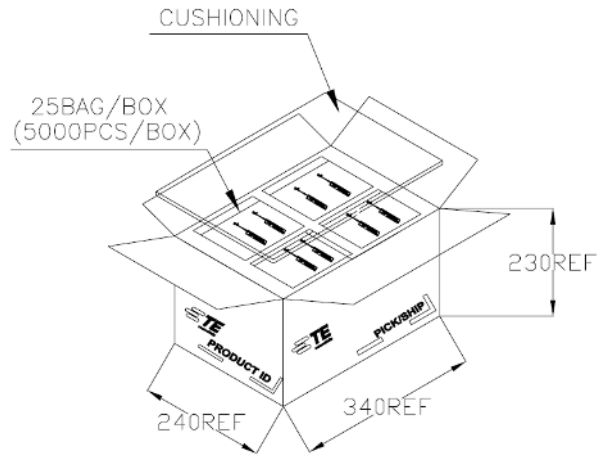
## PACKAGING



50PCS/BUNCH



200PCS/BAG  
DESICCANT: 1PCS/BAG



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