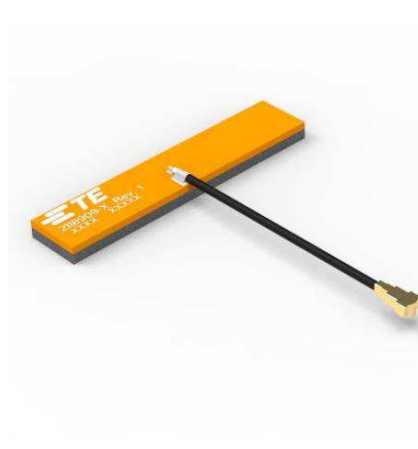




Wi-Fi 6/ 6E TRIPLE BAND EMBEDDED ANTENNA

**Part Numbers: 2118909-1, 2118909-2
2118909-4, 2118909-5
2118909-6, 2118909-8**

FEATURES & BENEFITS

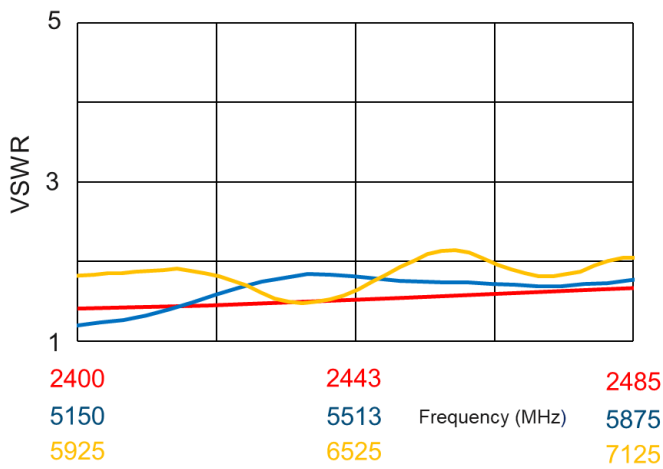
- WiFi 6, also including WiFi 6E **new 6GHz** band, Bluetooth, ZigBee
- Adhesive backing on the PCB simplifies mounting within the device
- Global Frequency coverage
- PCB antenna assembly
- Wide selection of micro-coaxial cable lengths

SPECIFICATIONS

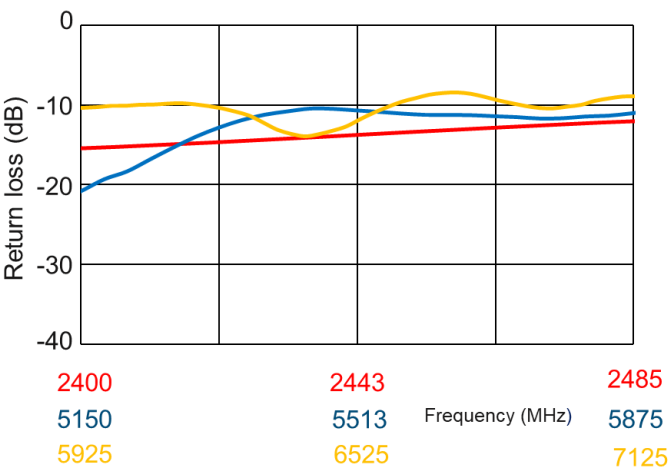
Frequency Range (MHz)	2400-2483.5	5150-5875	5925-7125
VSWR	< 2.0:1	< 2.0:1	< 2.5:1
Average Efficiency	75%	70%	65%
Peak Gain	3.0dBi	2.8dBi	2.4dBi
Average Gain	-1.3dBi	-1.6dBi	-1.9dBi
Power Handling	10 Watt cw		
Feed Point Impedance	50 ohms unbalanced		
Polarization	Linear		
Size	40.0 mm x 8.0 mm x 1.0 mm		
Weight	< 1.5 g		
Mounting	Adhesive Tape		
Mating Connectors	MHF-type receptacle (TE PN 2337019-1), MHF4-type receptacle (TE PN: 2344884-1)		
Cable	Coaxial Cable : 1.13mm Dia.		
Operating Temperature	-40 to +85°C		
Storage Temperature	-40 to +85°C		
Hazardous Materials	A certificate of conformance is available from the product page on TE website.		

RF DATA

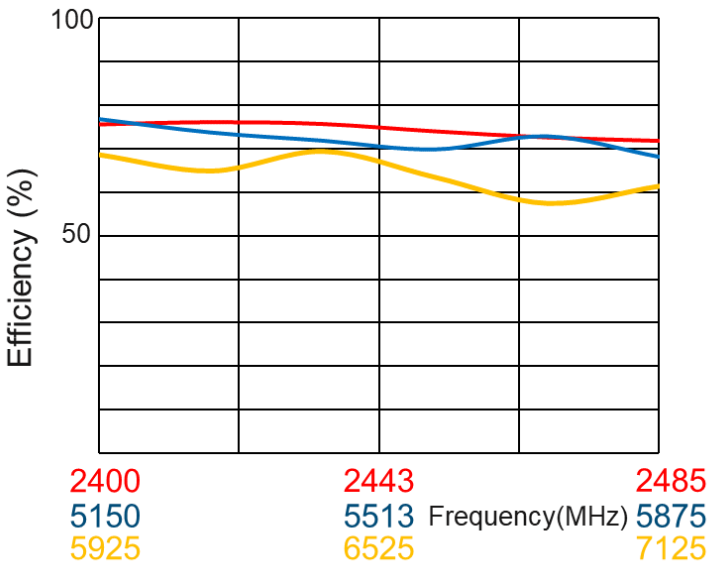
VSWR



Return Loss



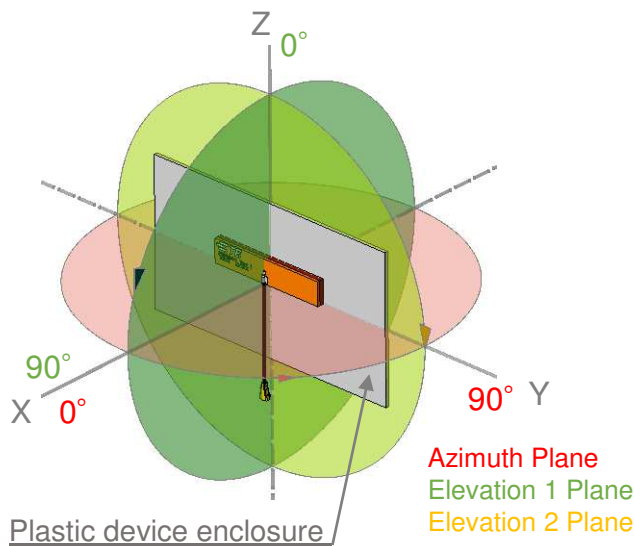
Efficiency



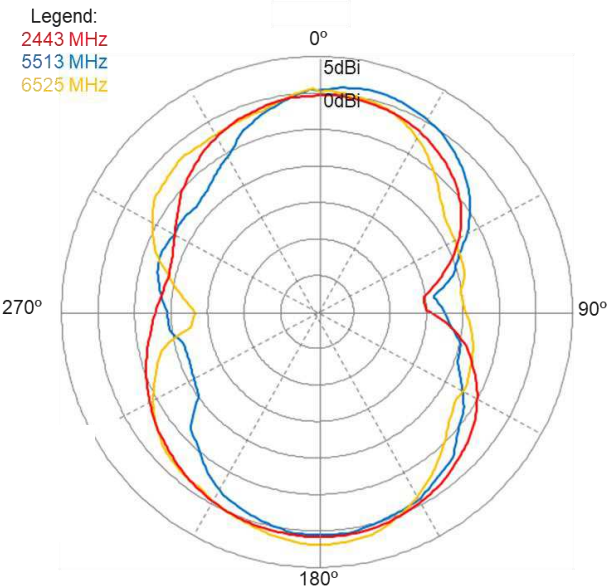
Data measured in free space and on plastic device enclosure

RADIATION PATTERN

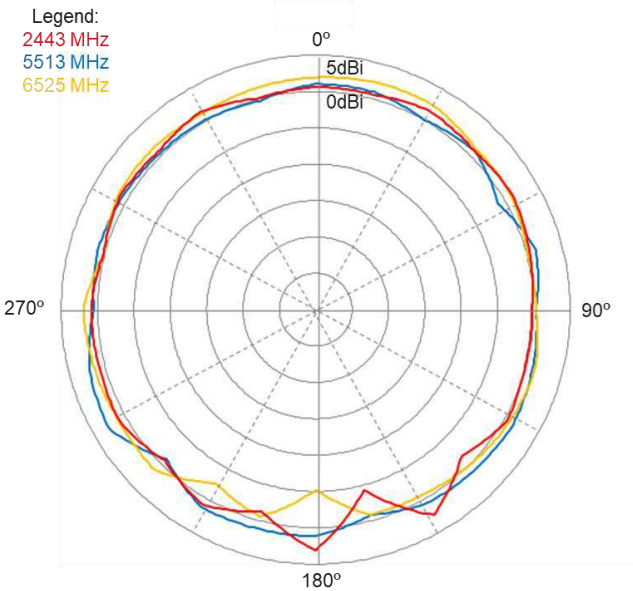
Test setup



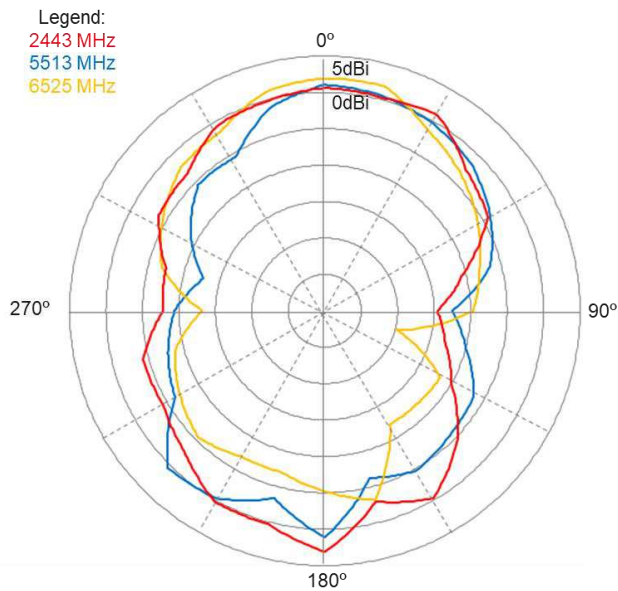
Azimuth



Elevation 1

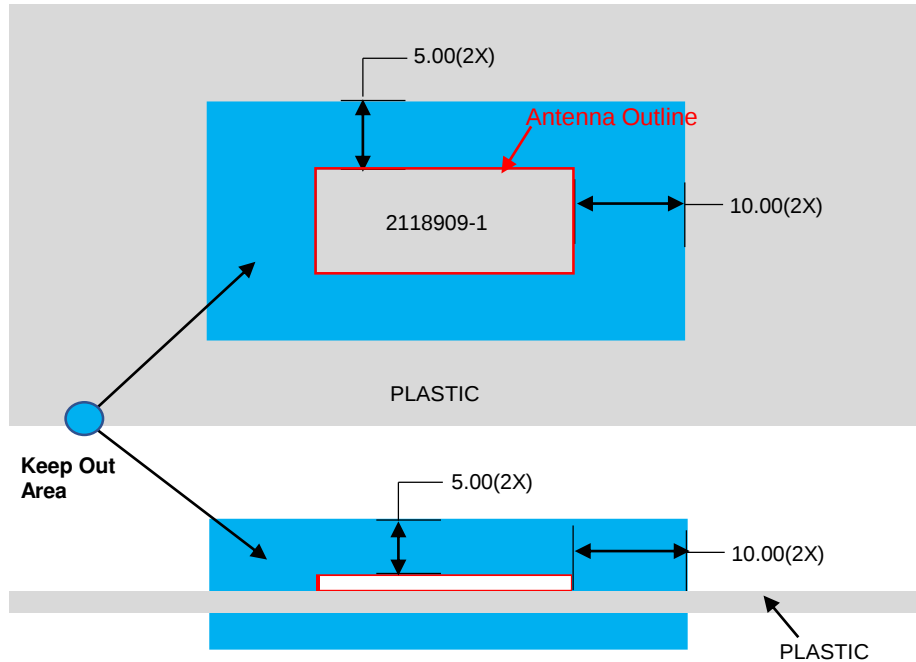


Elevation 2



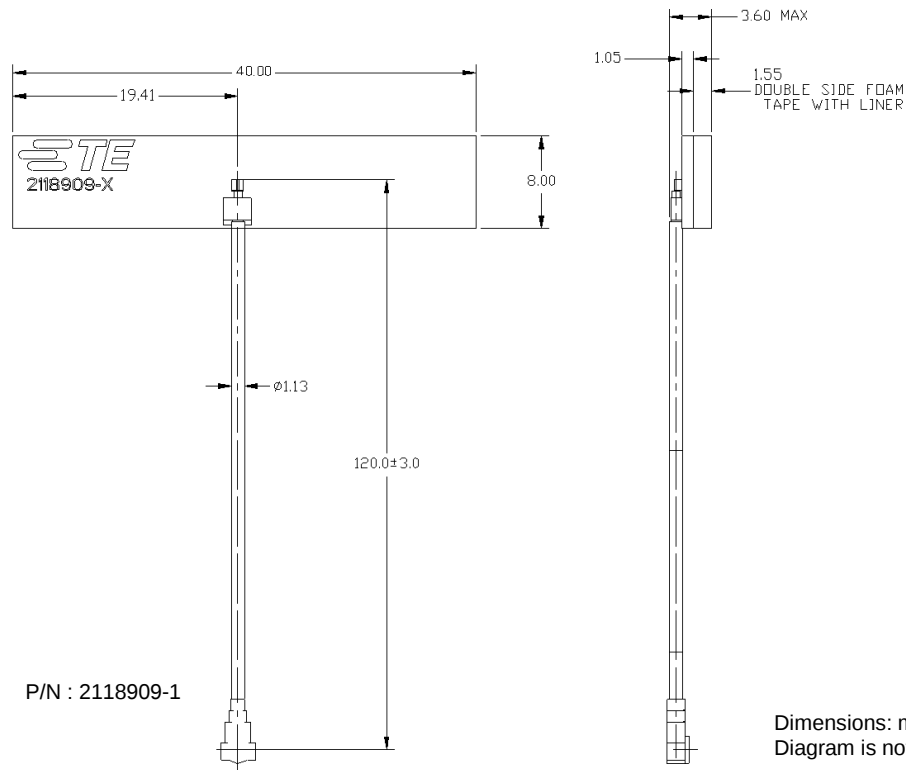
Data measured in free space and on plastic device enclosure

KEEP OUT AREA



- NOTES:1. Antenna designed to be mounted on plastic cover.
2. Area in blue above indicates Keep Out Area.
3. For more information please call TE.
- Dimensions: mm
Diagram is not to scale

DIMENSIONS



Dimensions: mm
Diagram is not to scale

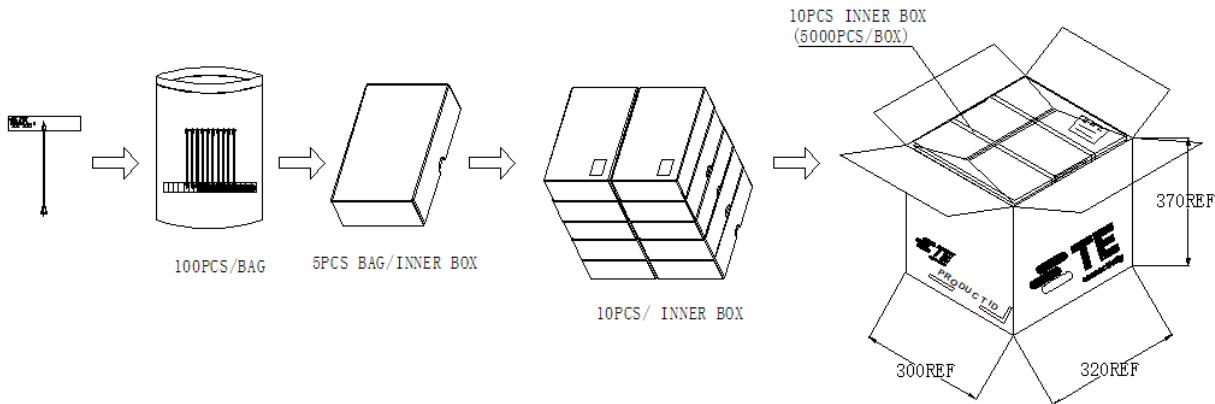
Wi-Fi 6/ 6E TRIPLE BAND EMBEDDED ANTENNA

Standard Antenna Solutions

MATING COMPONENTS

2118909-1	120.0	3.048	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118909-2	273.0	6.934	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118909-8	64.15	1.629	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118909-4	120.0	3.048	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2118909-5	225.0	5.715	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2118899-6	375.0	9.525	MHF4-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
PART NUMBER	MM	INCH	CONNECTOR TYPE (ON CABLE)	PART NUMBER	IMAGE
	CABLE LENGTH			MATING COMPONENTS	

PACKAGING



TE TECHNICAL SUPPORT CENTER

- USA: +1 (800) 522-6752
- Canada: +1 (905) 475-6222
- Mexico: +52 (0) 55-1106-0800
- Latin/S. America: +54 (0) 11-4733-2200
- Germany: +49 (0) 6251-133-1999
- UK: +44 (0) 800-267666
- France: +33 (0) 1-3420-8686
- Netherlands: +31 (0) 73-6246-999
- China: +86 (0) 400-820-6015

For phone numbers in other countries, go to [te.com/support-center](https://www.te.com/support-center)

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05/2020

