



Wi-Fi 6/ 6E TRIPLE BAND EMBEDDED ANTENNA

Part Numbers: 2118907-1, 2118907-2
2118907-3, 2118907-4, 2118907-5
2118907-6, 2118907-7, 2118907-8
2118907-9

FEATURES & BENEFITS

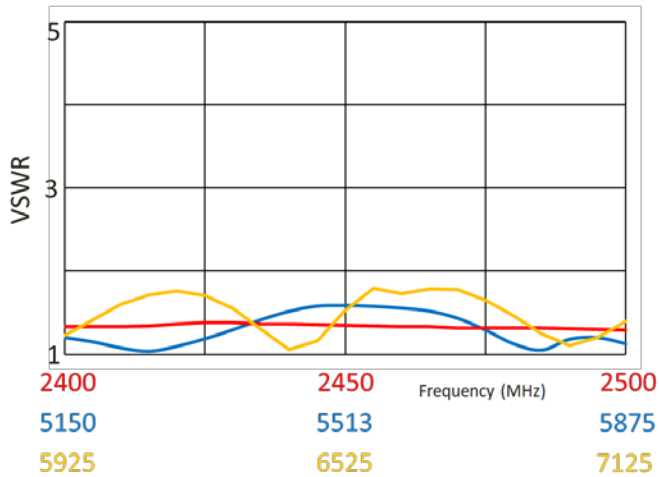
- Wi-Fi 6, also including WiFi 6E **new 6GHz** band, Bluetooth, ZigBee
- Flexible PCB antenna assembly
- Adhesive backing on the flexible PCB simplifies mounting within the device
- Global Frequency coverage
- Different cable length and connector options available

SPECIFICATIONS (Shown as 2118907-1 : Others can vary with different cable lengths.)

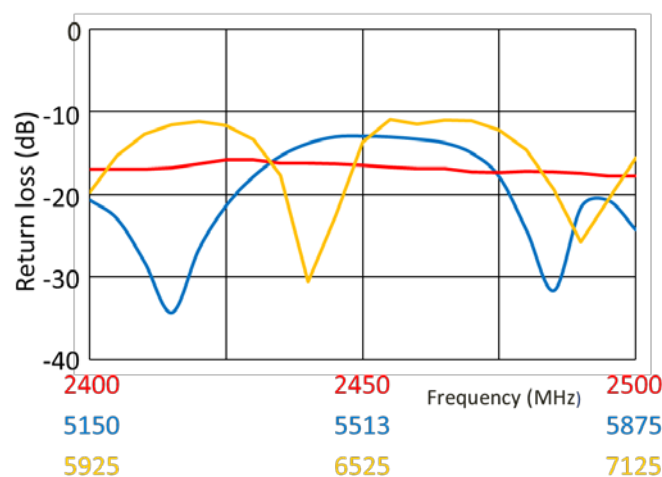
Frequency Range (MHz)	2400-2500	5150-5875	5925-7125
VSWR	< 1.4:1	< 1.6:1	< 1.9:1
Average Efficiency	82%	73%	75%
Peak Gain	3.0 dBi	3.1 dBi	3.5 dBi
Average Gain	-0.9dBi	-1.4dBi	-1.4dBi
Power Handling	10-Watt cw		
Feed Point Impedance	50 ohms unbalanced		
Polarization	Linear		
Size	29.60 mm x 41.24 mm x 0.34 mm		
Weight	< 3.3 g		
Mounting	Adhesive Tape		
Mating Connector	MHF and MHF4-type Refer to page 5		
Cable (Coaxial)	1.37mm and 1.13mm Dia. Refer to page 5		
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 (Shown as 2118907-1 : Others can vary with different cable lengths.)

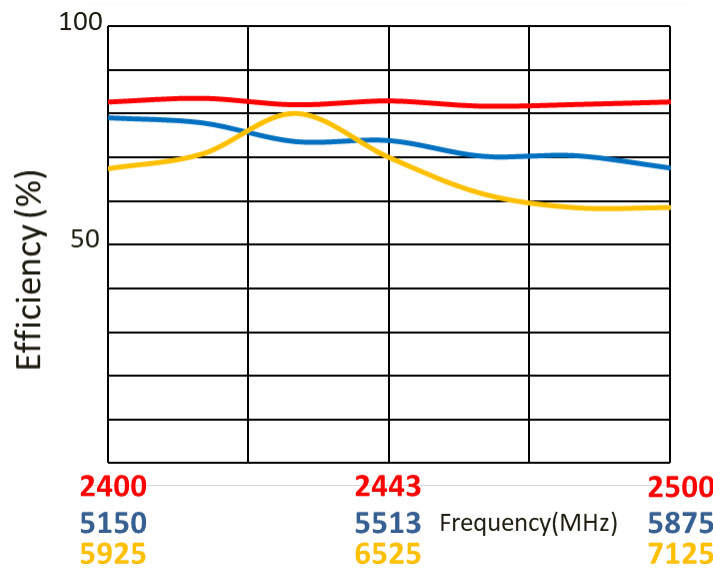
VSWR



Return Loss



Efficiency

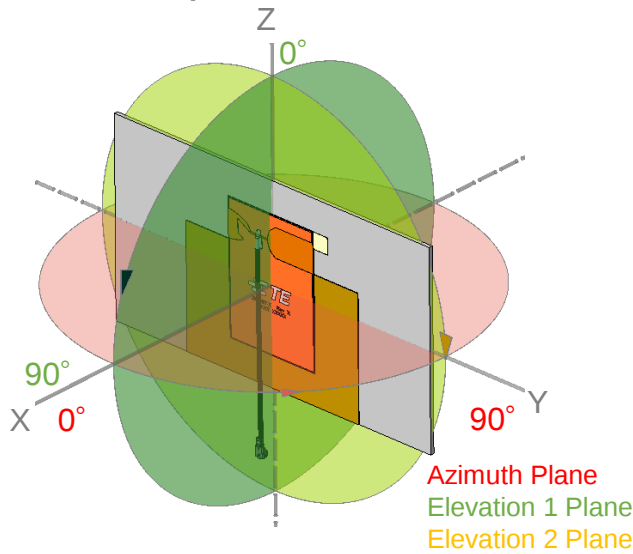


Data measured in free space and on plastic device enclosure

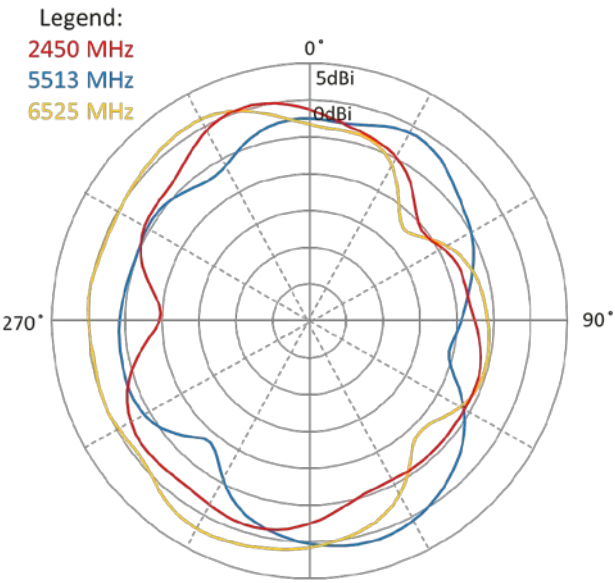
RADIATION PATTERN

(Shown as 2118907-1 : Others can vary with different cable lengths.)

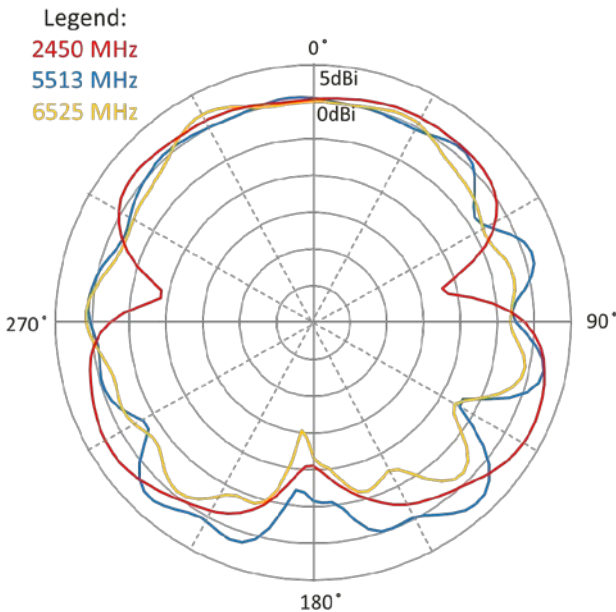
Test setup



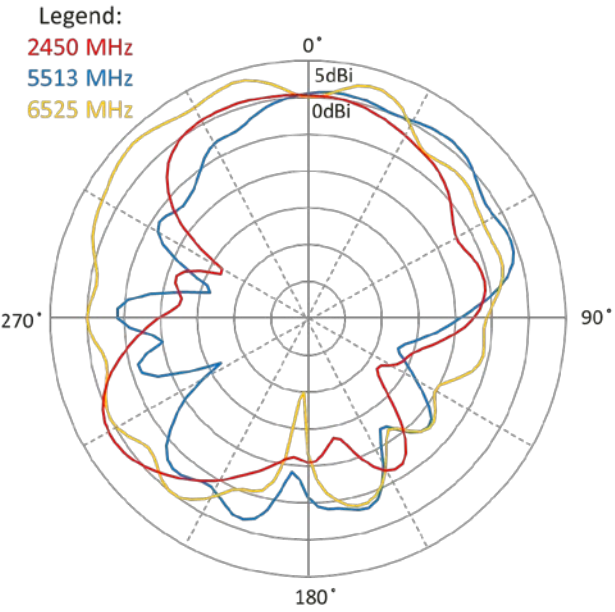
Azimuth



Elevation 1

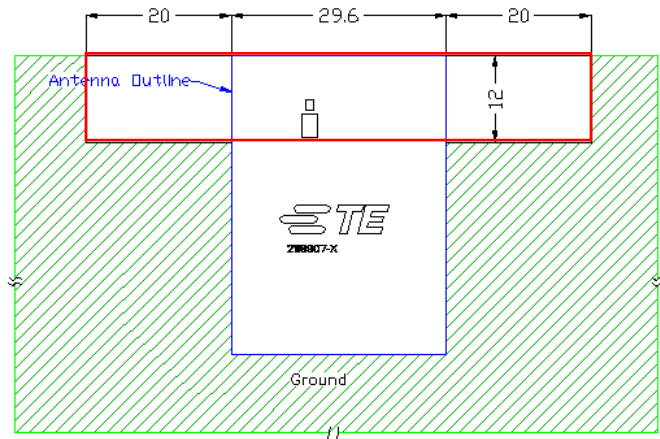


Elevation 2



Data measured in free space and on plastic device enclosure

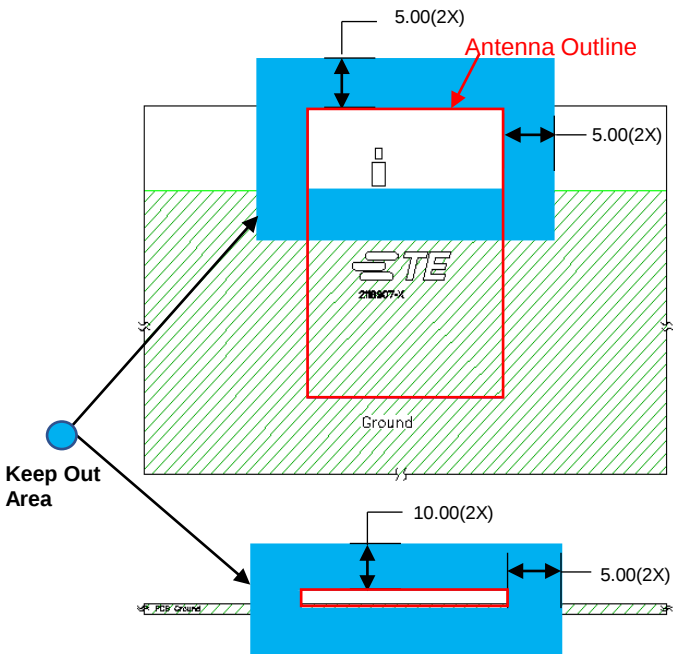
MOUNTING GUIDE



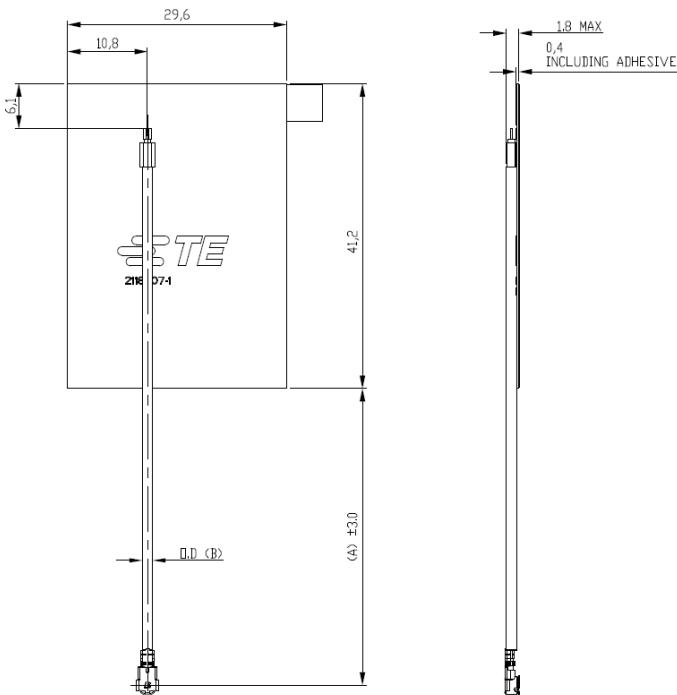
NOTES: 1. No copper allowed in designated area on all PCB layers – 
2. For more information please call TE.

Dimensions: mm
Diagram is not to scale

KEEP OUT AREA



DIMENSIONS

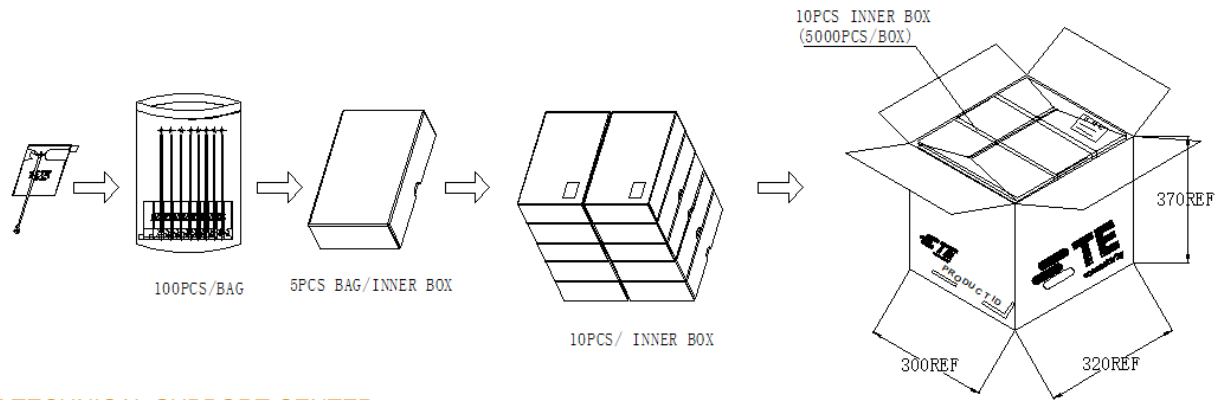


Dimensions: mm
Diagram is not to scale

MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

2118907-1	115.0	4.527	1.37	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118907-2	50.0	1.968	1.37	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118907-3	100.0	3.937	1.37	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118907-4	150.0	5.905	1.37	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118907-5	200.0	7.784	1.37	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2118907-6	50.0	1.968	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2118907-7	100.0	3.937	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2118907-8	150.0	5.905	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2118907-9	200.0	7.784	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
PART NUMBER	MM	INCH	MM	CONNECTOR TYPE	PART NUMBER	IMAGE
	CABLE LENGTH(A)		CABLE O.D(B)	(ON CABLE)	MATING COMPONENTS	

PACKAGING



TE TECHNICAL SUPPORT CENTER

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