

Wi-Fi 6/ 6E TRIPLE BAND ON BOARD ANTENNA

Part Numbers: 2118908-1, 2118908-2

FEATURES & BENEFITS

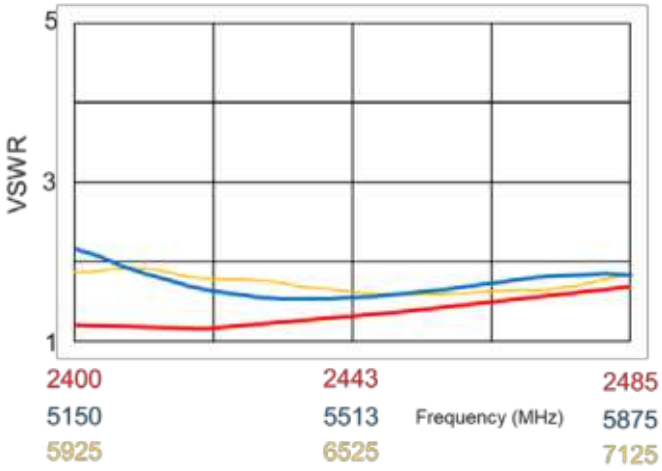
- WiFi 6, also including WiFi 6E new 6GHz band, Bluetooth, ZigBee
- Global Frequency coverage
- On board SMD mount PCB IFA antenna
- Minimal keep out zone requirement
- Performance dependent on ground plane size and design

SPECIFICATIONS

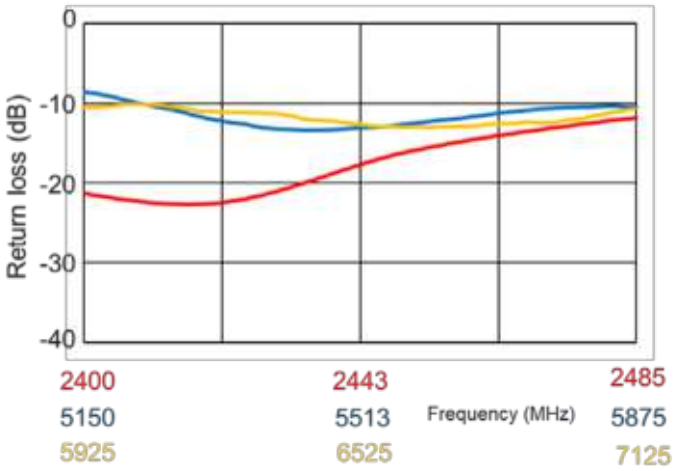
Frequency Range (MHz)	2400-2485	5150-5875	5925-7125
VSWR	< 2.0:1	< 2.5:1	< 2.5:1
Average Efficiency	80%	85%	80%
Peak Gain	2.3dBi	2.8dBi	2.3dBi
Average Gain	-1.0dBi	-0.7dBi	-1.0dBi
Power Handling	10 Watt cw		
Feed Point Impedance	50 ohms		
Polarization	Linear		
Size	18.9 mm x 6.2 mm x 0.76 mm		
Weight	< 0.2 g		
Mounting	Surface mount		
Operating Temperature	-40 to +85°C		
Storage Temperature	-40 to +85°C		
Packaging Specification	Bag & Box / Tape & Reel		
Hazardous Materials	A certificate of conformance is available from the product page on TE website.		
Data measured in free space and on reference ground plane of 33 mm length and 35 mm width, application data might vary			

RF DATA

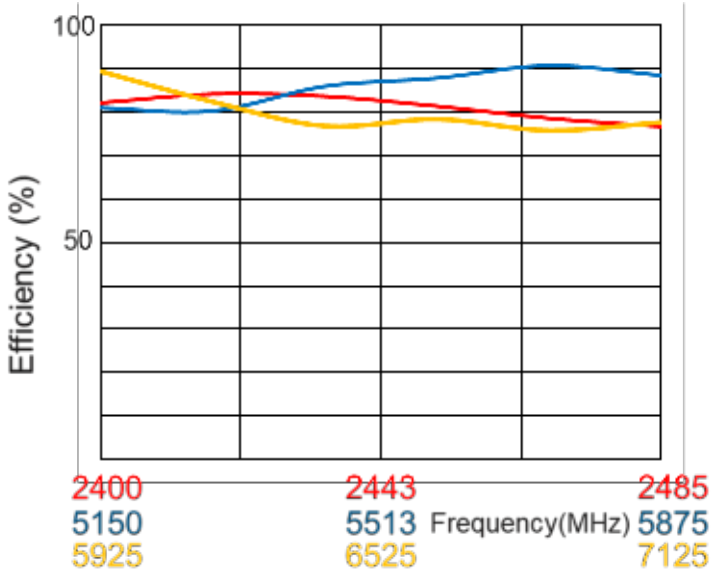
VSWR



Return Loss



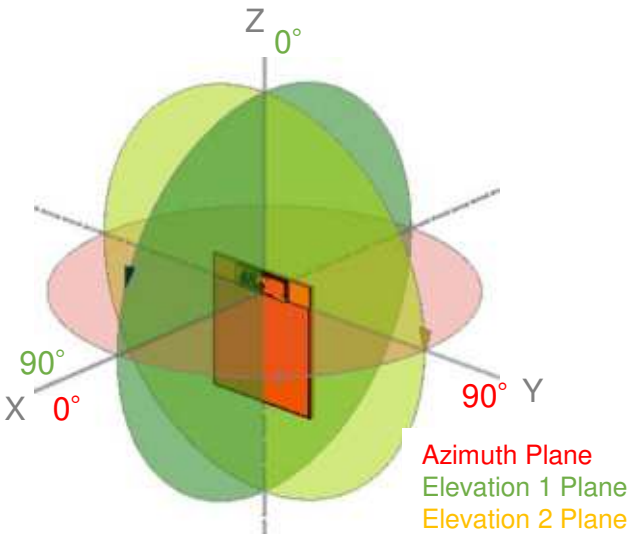
Efficiency



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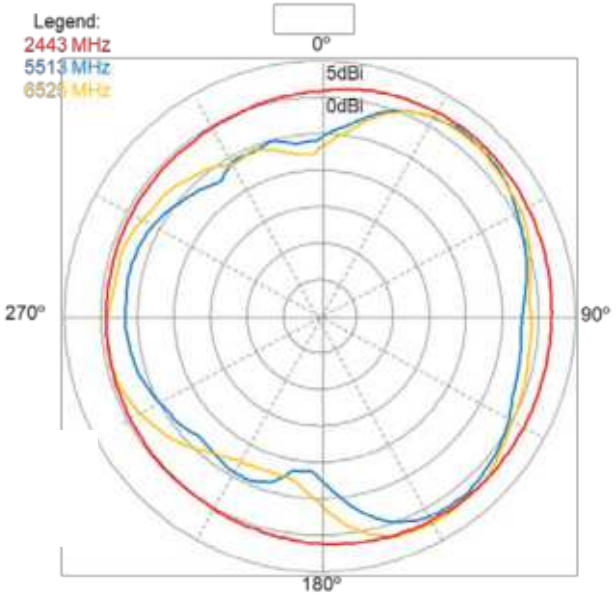
RADIATION PATTERN

Test setup

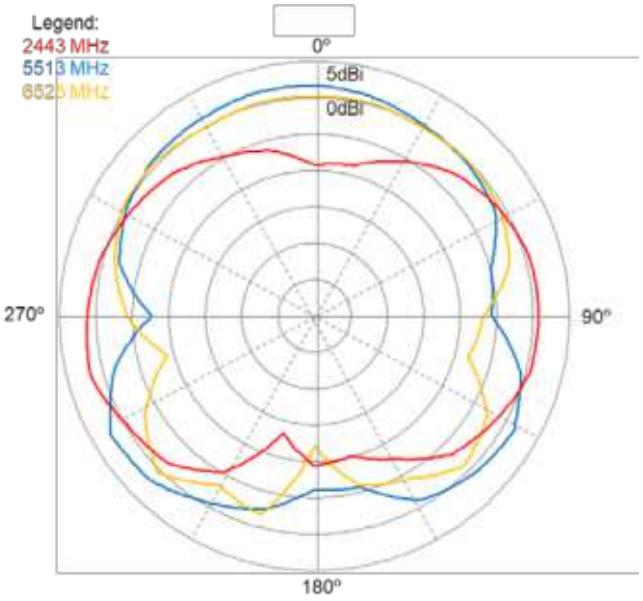


Azimuth Plane
Elevation 1 Plane
Elevation 2 Plane

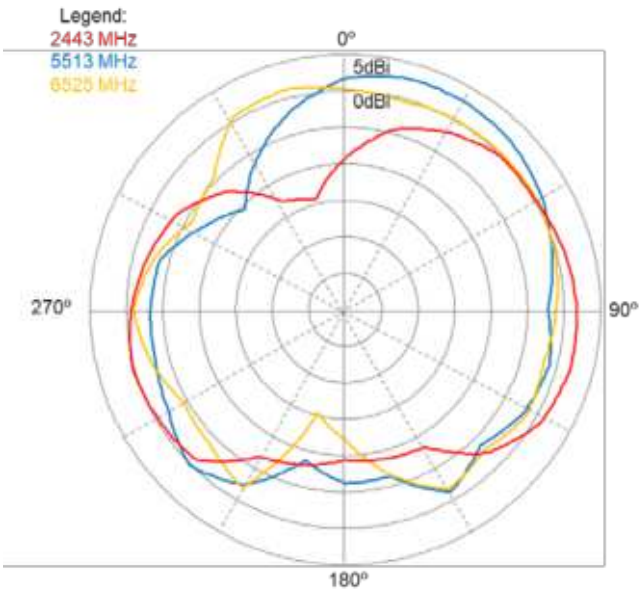
Azimuth



Elevation 1

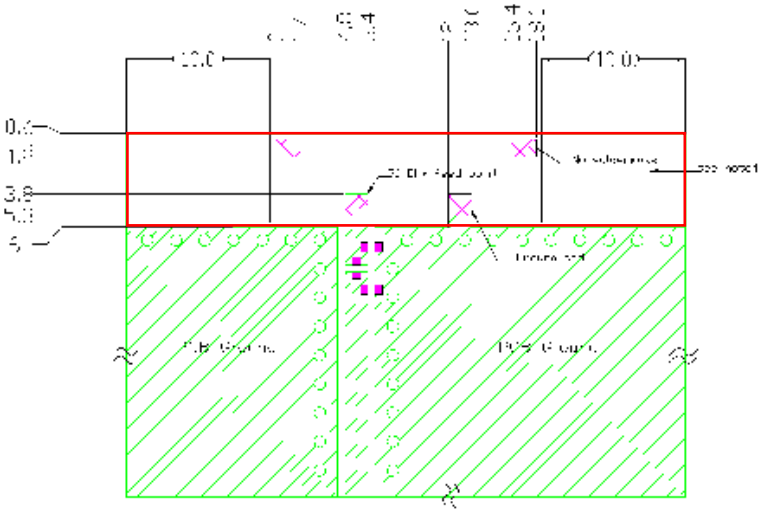


Elevation 2



Data measured in free space and on reference ground plane of 33 mm length and 35 mm width, application data might vary

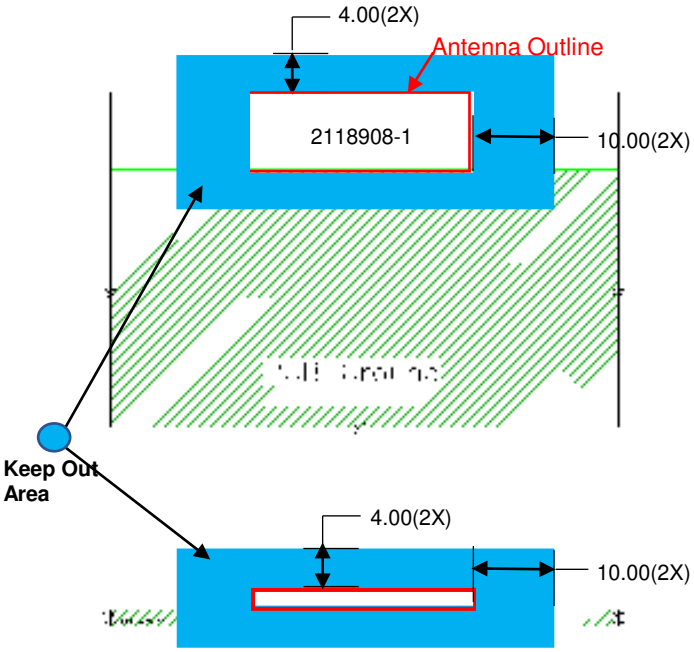
MOUNTING GUIDE



Dimension: mm
Diagrams is not into scale

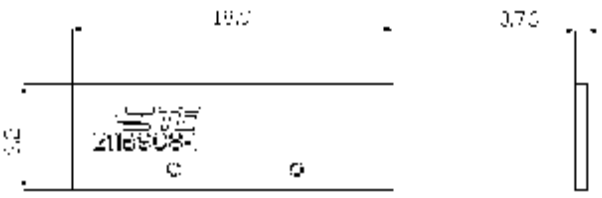
NOTES: 1. Suggested matching component pads if device specific tuning needed by either components and materials at close proximity or different ground plane size and layout
2. Antenna must be mounted on the edge of PCB.
3. NC = No connection (mechanical mounting pads).
4. No copper allowed in designated area on all PCB layers – ▭
5. For more information please call TE.

KEEP OUT AREA



Dimension: mm
Diagrams is not into scale

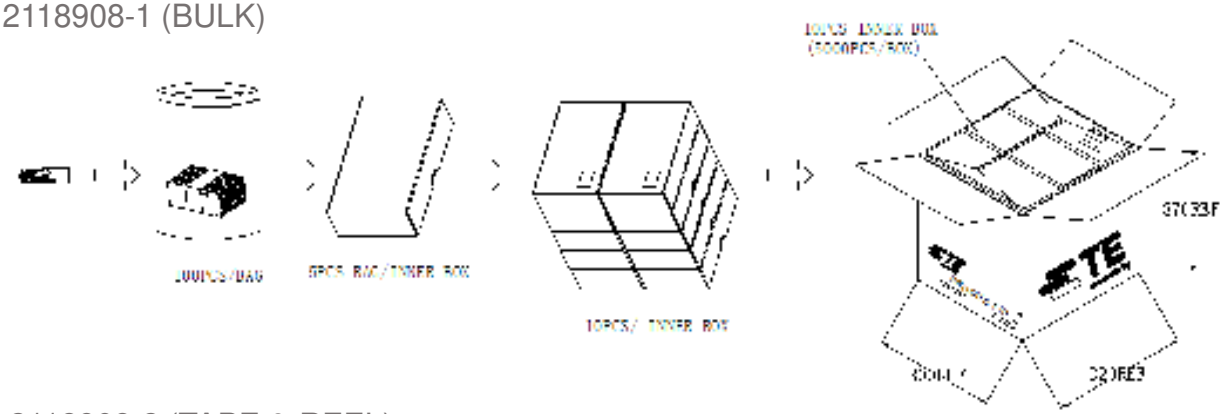
DIMENSIONS



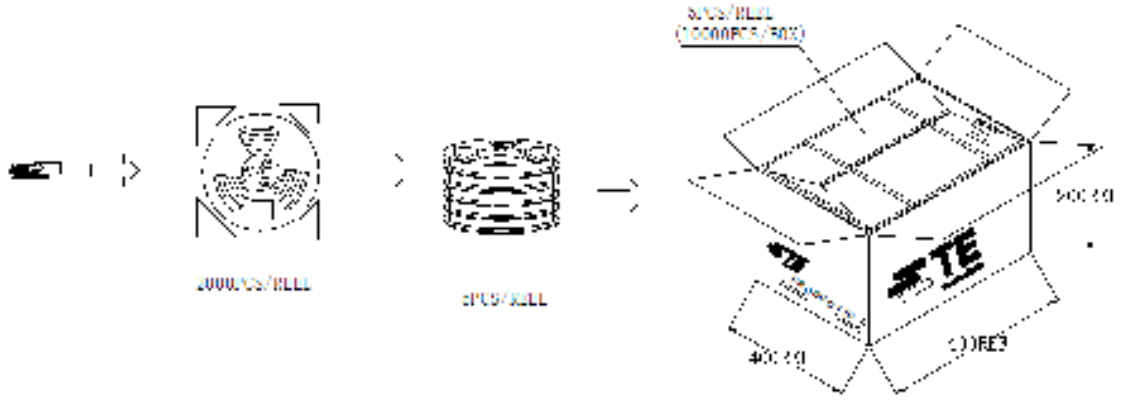
Dimension: mm
Diagrams is not into scale

PACKAGING

2118908-1 (BULK)



2118908-2 (TAPE & REEL)



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