



METASPAN 5G/4G/3G/2G, NB-IoT, Cat-M, GNSS, Wi-Fi 6 WORLD BAND COMBINATION ANTENNA

Part Numbers: 2195852-1

FEATURES & BENEFITS

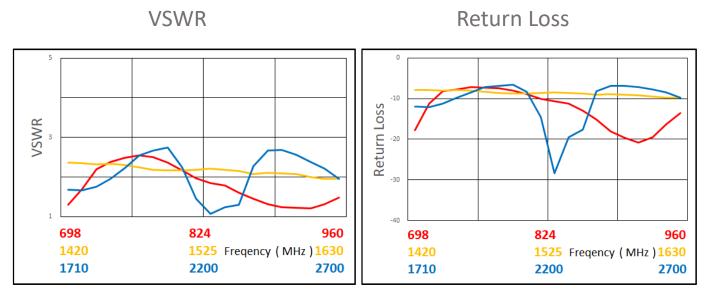
- Omnidirectional coverage
- Tab mount PCB antenna
- Uses MetaSpan technology for World band coverage for 3G, 4G, 5G, NB-IoT and Cat-M
- Wi-Fi 6 dual band and GNSS L1 included
- Best performance with 110mm ground plane length

Frequency Range (MHz)	698-960	1420-1630	1710-2700	3200-3800	4400-5000	5150-5875
VSWR	< 2.6 : 1	< 2.4 : 1	< 2.7 : 1	< 2.6 : 1	< 1.5 : 1	< 1.9 : 1
Average Efficiency	60%	69%	64%	73%	67%	74%
Peak Gain	0.2 dBi	2.5 dBi	3.3 dBi	3.1 dBi	3.3 dBi	4.5 dBi
Average Gain	-2.2 dBi	-1.6 dBi	-1.9 dBi	-1.4 dBi	-1.7 dBi	-1.3 dBi
Power Handling	10 Watt cw					
Feed Point Impedance	50 ohms unbalanced					
Polarization	Linear					
Size	55 x 20 mm					
Weight	< 3.5g					
Mounting	Tab mounting with plated through holes					
Mating Connector	Tab type					
Operating Temperature	-40 to +85°C					
Storage Temperature	-40 to +85°C					
Packaging Specification	Bag & Box					
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 110mm length and 80mm width. Application						

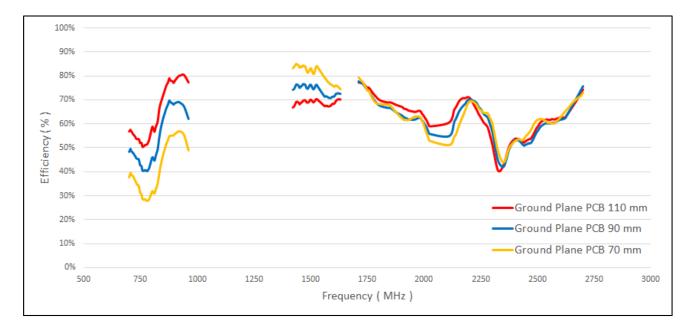
SPECIFICATIONS

data may vary.

RF DATA



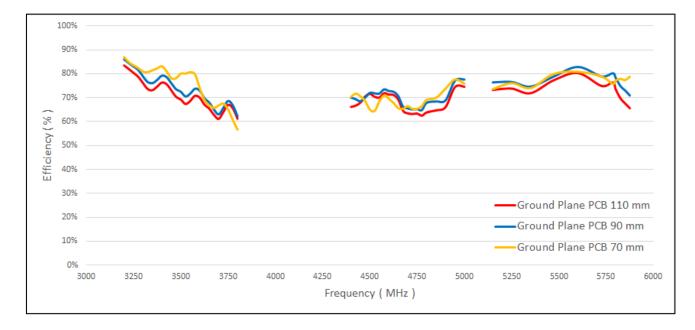
Efficiency vs. Ground Plane Size



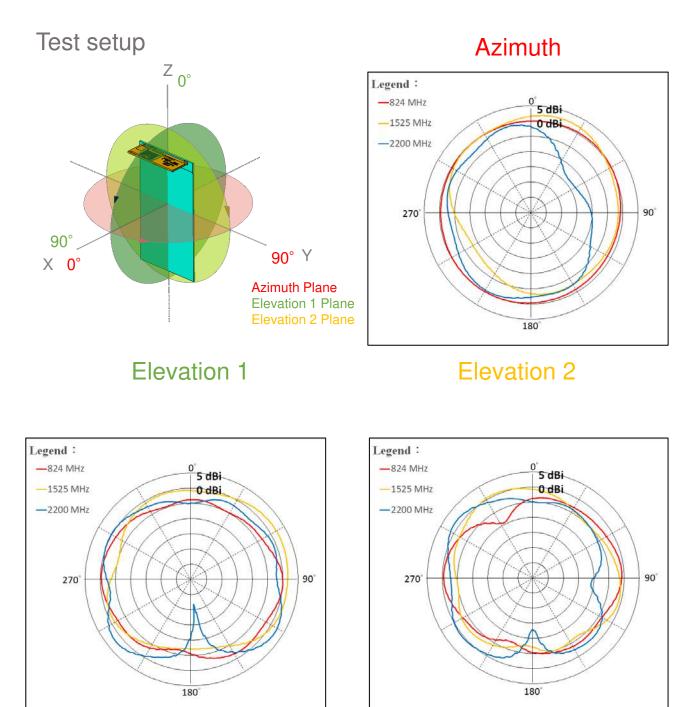
RF DATA



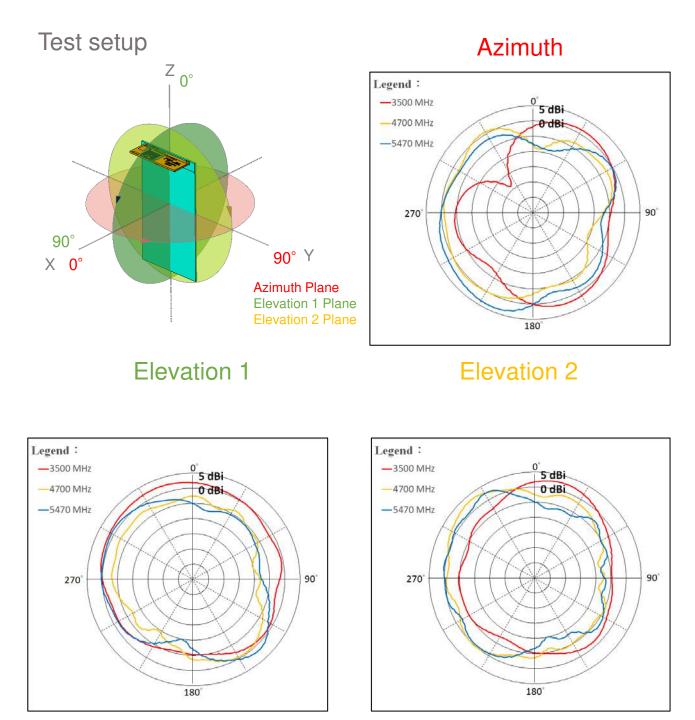
Efficiency vs. Ground Plane Size



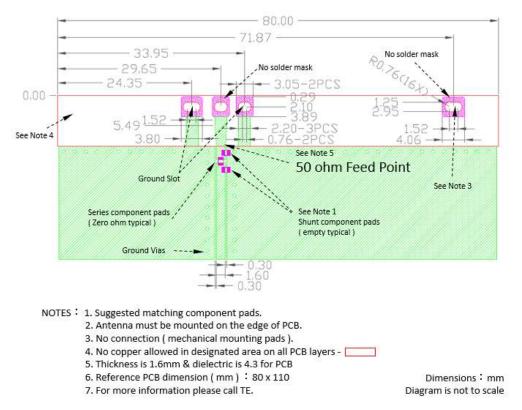
RADIATION PATTERN



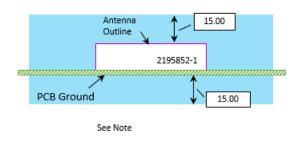
RADIATION PATTERN

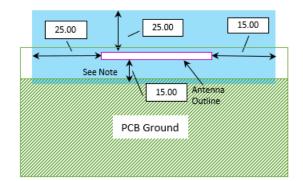


MOUNTING GUIDE



KEEP OUT AREA



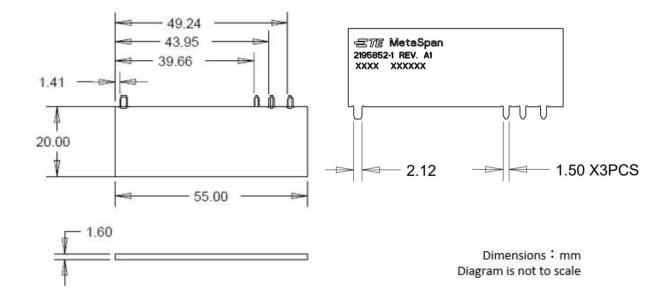


NOTES: 1. Antenna designed to be mounted on 80x110mm ground plane.

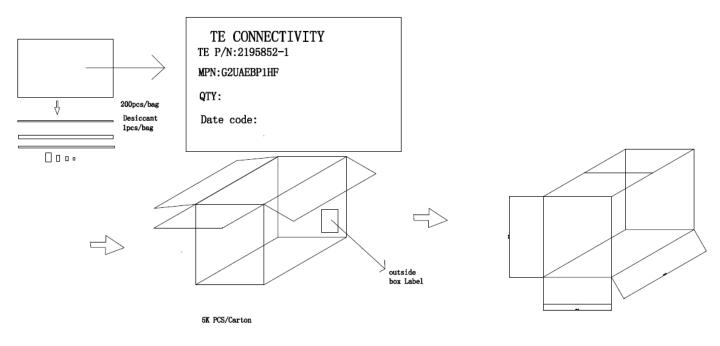
- 2. Area in blue above indicates Keep Out Area. This is base on 60x60mm size metal parts.
- 3. For more information please call TE.

Dimensions : mm Diagram is not to scale

DIMENSIONS



PACKAGING



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