

Antenna Module

TAMP125

4G LTE/5G Broadband MIMO Antenna Module

Features and Benefits

- **High Gain MIMO Antenna Module Covering ALL 4G LTE and 5G Sub 6 Bands**
- Antenna Size: 125 mm x 80 mm x 22 mm (not including Cable and Connector)
- Connector: SMA
- Operating Frequency Bands
 - 600~960MHz
 - 1710~2170MHz
 - 2500~2690MHz
 - 3300~6000MHz
- Supports 4x4 MIMO at 1710~6000MHz
- Supports 2x2 MIMO at 600~960MHz
- High Peak Gain up to 2.7 dBi
- RoHS Compliance



INTRODUCTION

The TAMP125 is an MIMO antenna module supporting entire 4G LTE and 5G sub6 bands, including the very low 600 MHz band, with good gain and isolation. It supports 2x2 MIMO at the low bands and 4x4 MIMO in mid/high bands. It can be used for advanced wireless communication devices or systems.

APPLICATION

Any 4G/5G wireless device or system that requires MIMO coverage with good gain and isolation. Ideal for external / remote antenna installations.

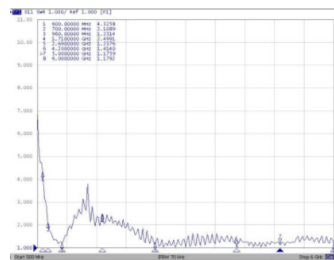
Examples – Home networking, Logistic, Automotives, Routers, Gateways, CPEs, and more IoT devices.

Performance

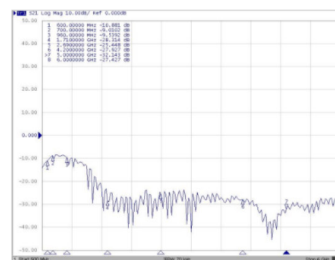
Gain and Isolation

Frequency Band (MHz)		600	700	960	1710	2690	4200	5000	6000
Typical Gain (dBi)	Ant1	4.3	2.1	1.2	2.4	1.2	1.4	1.1	1.1
	Ant2	3.9	2.1	1.3	2	1.1	1.3	1.3	1.4
	Ant3				2.7	1.6	1.6	1.4	2.3
	Ant4				2.7	1.5	1.6	1.4	2.2
Isolation (dB)	Ant1 ~ Ant2	-10.8	-9	-9.5	-28.3	-25.4	-27.9	-32.1	-27.4
	Ant1 ~ Ant3	-26.5	-22	-15.9	-15.5	-13.1	-13.2	-15.9	-19.8
	Ant1 ~ Ant4	-29.7	-26.5	-16.4	-28.5	-25.9	-42.3	-31.8	-27.9
	Ant2 ~ Ant3	-28.6	-25.3	-16.8	-22.4	-24.2	-36.3	-34.2	-29.3
	Ant2 ~ Ant4	-26.1	-20.6	-16.3	-14.1	-13.9	-13.1	-15.3	-19.8
	Ant3 ~ Ant4				-15.5	-14.8	-27.9	-29.9	-29.7

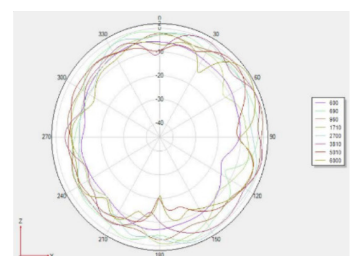
Typical VSWR (Ant1)



Typical Isolation (Ant1&2)



Radiation Pattern (Ant1)



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Dimension (unit: mm)

