# Multiband Antenna Module

## APAMPSLJ-140

RoHS/RoHS II compliant



#### **MSL** level: Not Applicable

#### **FEATURES:**

- Passive Multiband Blade Antenna (699MHz ~ 2690MHz)
- Covering Cellular + 3G + 4G + Cellular + GPS & GLONASS + WiFi/Bluetooth + LTE 2.6GHz
- Internal Router Blade design
- Gain (3dBi) Typ
- VSWR 2:1 (GPS), 4:1 (2.5  $\sim$  2.6GHz), 5:1 2.5  $\sim$  2.69GHz
- Dimensions (171 x 38 x 13.8mm)
- Linear Polarization
- SMA Male connector
- RoHS/RoHS II compliant

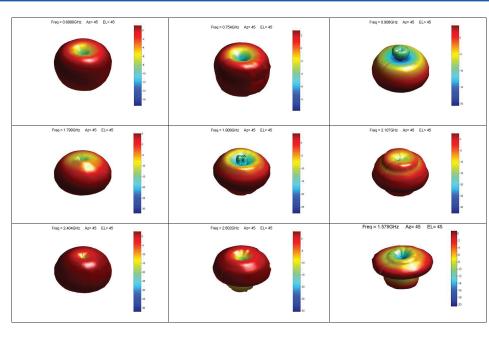
### > TYPICAL APPLICATIONS:

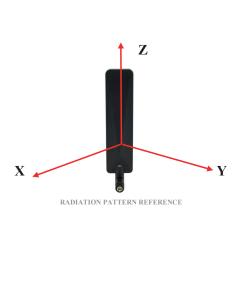
- Terminal Antenna for 2G / 3G / 4G and Cellular Gateways + WiFi.
- Wireless Routers
- LTE

### > STANDARD SPECIFICATIONS:

Parameters	Min.	Тур.	Max.	Units	Note
Receiving Frequency	1559		1606	MHz	GPS/GLONASS/Galileo
	699		960	MHz	4G/LTE
	1710		2690	MHz	4G/LTE
VSWR			2:1		GPS
			4:1		@ 699-2600MHz
			5:1		@ 2500-2690MHz
Polarization Model		Linear			
Impedance		50		Ω	
Gain		3.0		dBi	
Operating Temperature	-40		+85	°C	

### MEASUREMENTS - 3D SPHERICAL









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### **S11**

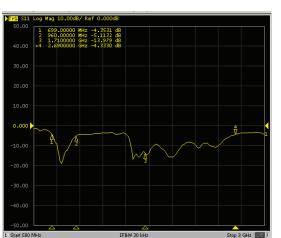


Figure 1 - Log Mag at 0deg

Figure 2 - VSWR at 0deg



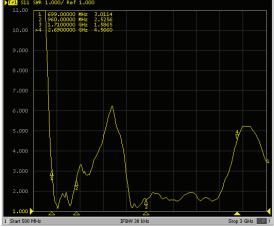


Figure 3 - Log Mag at 45deg

Figure 4 - VSWR at 45deg



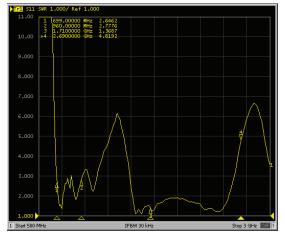


Figure 5 - Log Mag at 90deg

Figure 6 - VSWR at 90deg





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### **S11**

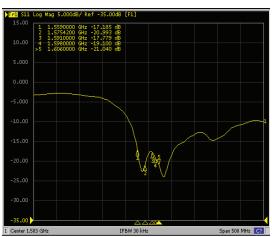


Figure 7 - Log Mag at 0deg



Figure 9 - Log Mag at 45deg

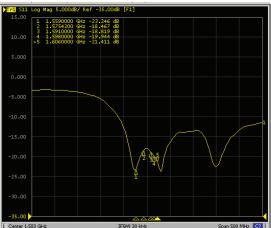


Figure 11 - Log Mag at 90deg

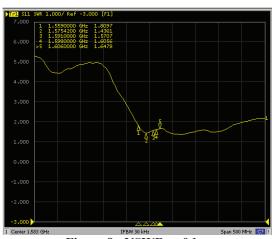


Figure 8 - VSWR at 0deg

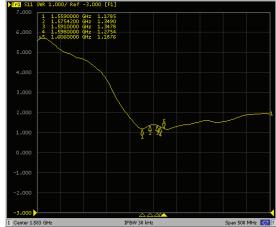


Figure 10 - VSWR at 45deg

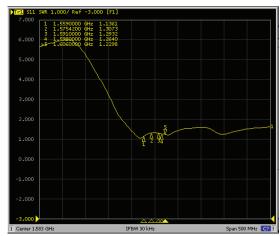


Figure 12 - VSWR at 90deg





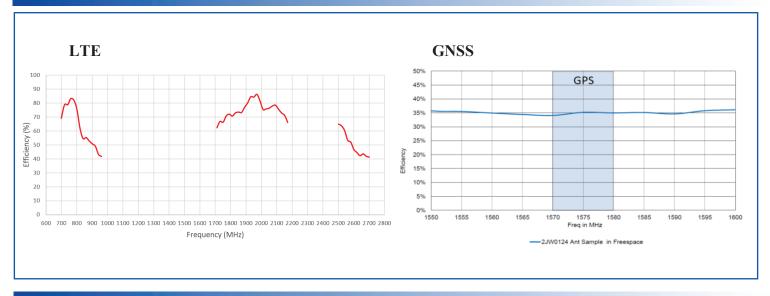
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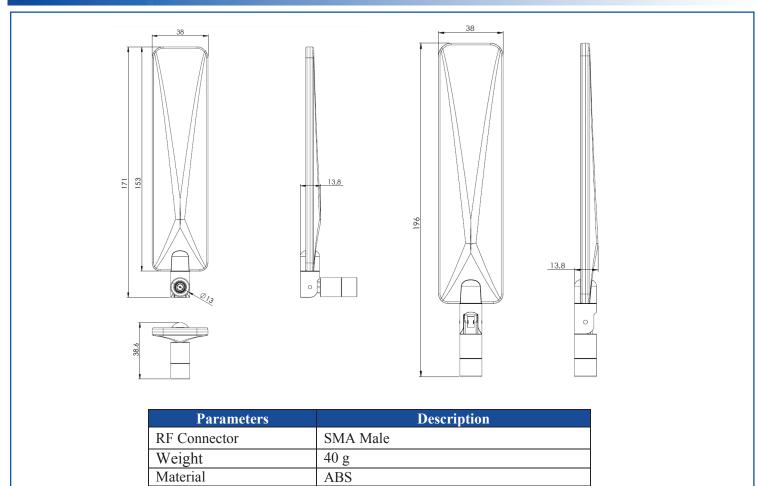
RoHS/RoHS II compliant



#### **EFFICIENCY**



### **OUTLINE DIMENSION:**



Black





Color

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### PRODUCT IMAGE:



## **PACKAGING:**

Each antenna is individually packaged in a poly bag. 200pcs is the suggested quantity per 465 x 310 x 250mm box.



#### **CAUTION:**

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please insure the component is thoroughly evaluated in the application circuit.

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