

# Wide-Band Antenna

## 5G, IP67

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**RoHS  
Compliant**



Support Band	LTE Band	FDD	1,2,3,4,5,7,8,12,13,14,25,26,28,30,66,71
		TDD	41,42,43,48
	FR1	FDD	n1,n2,n3,n5,n7,n8,n12,n14,n28,n30,n66,n71
		TDD	n38,n41,n46,n77,n78,n79
GNSS	na	L1,L5	

Specification						
Frequency Range	617MHz to 960MHz	GNSS L1/L5	1710MHz to 2200MHz	2300MHz to 2690MHz	3300MHz to 4200	5150 to 5925MHz
Polarization	Linear, Vertical					
HPBW / Horizontal	360°					
HPBW / Vertical	60°					
Peak Gain	2.8 dBi Max	2.4 dBi Max	2.9 dBi Max.	3.9 dBi Max.	3.5 dBi Max.	4 dBi Max.
Efficiency	42% min.	50% min.	54% min.	68% min.	43% min.	53% min.
VSWR	4 max.:1		3 max.:1			
Power Handling	2W (cw)					
Impedance	50Ω					
Connector	SMA Plug					

### Environmental & Mechanical Characteristics

Temperature	: -30°C to +70°C
Humidity	: 95% @ 55°C
Antenna Housing Colour	: Black
Antenna Housing Material	: PC
Weight	: 25.3g
Dimensions	: 163.7mm(L) × 32.7mm(W) × 13mm(OD)

### Performance Summary Straight

#### VSWR

Frequency (MHz)	617 - 960	GNSS L1/L5	1710 - 2200	2300 - 2690	3300 - 4200	5150 - 5925
VSWR	4 max.: 1		3 max.:1			

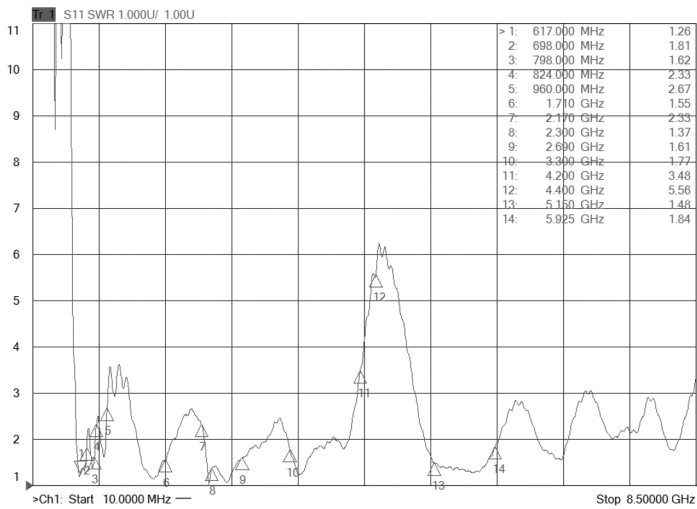
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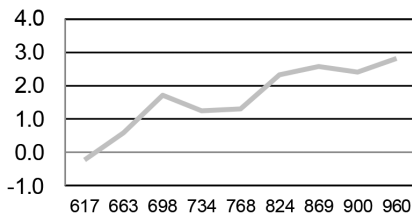
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### Gain Table

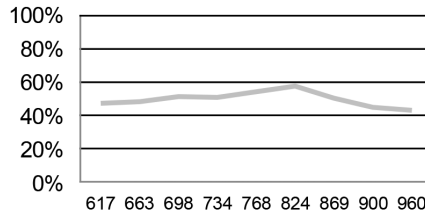
#### Peak Gain

##### 617MHz~960MHz



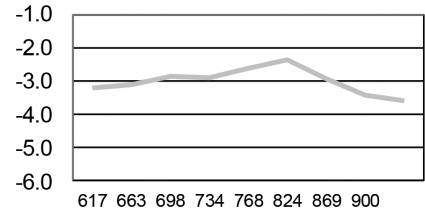
#### EFFICIENCY

##### 617MHz~960MHz

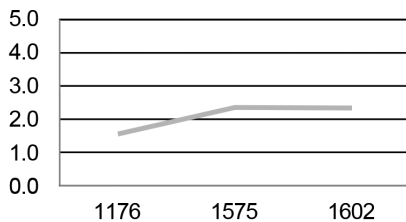


#### Average Gain

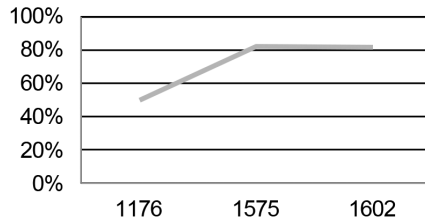
##### 617MHz~960MHz



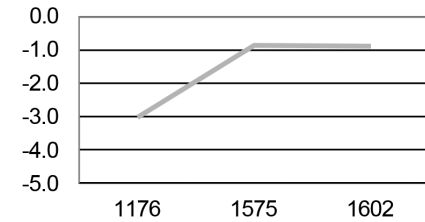
#### 1176MHz~1602MHz GNSS



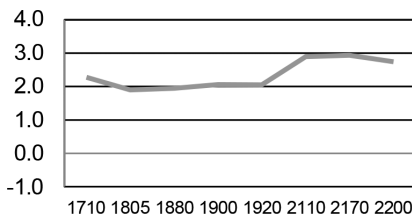
#### 1176MHz~1602MHz GNSS



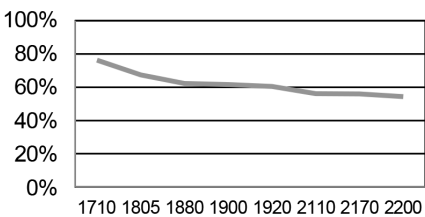
#### 1176MHz~1602MHz GNSS



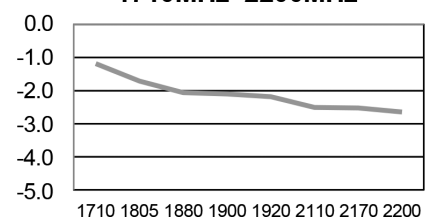
#### 1710MHz~2200MHz



#### 1710MHz~2200MHz



#### 1710MHz~2200MHz



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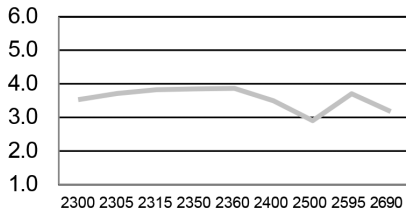
### Gain Table

#### Peak Gain

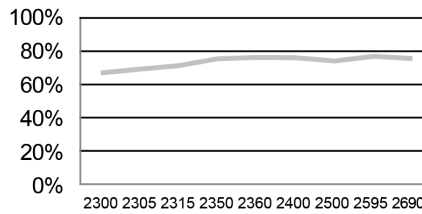
#### EFFICIENCY

#### Average Gain

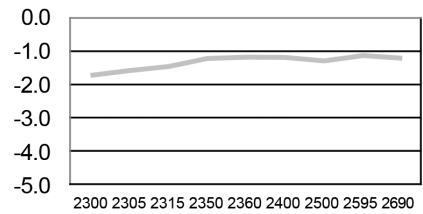
##### 2300MHz~2690MHz



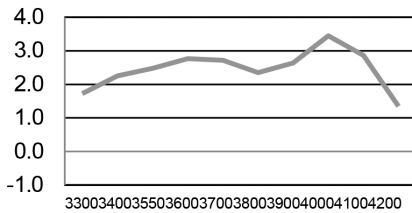
##### 2300MHz~2690MHz



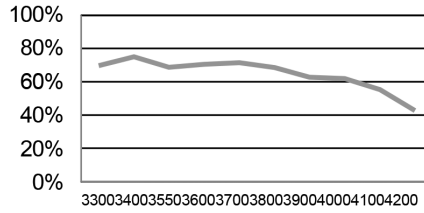
##### 2300MHz~2690MHz



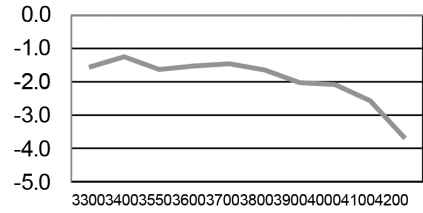
##### 3300MHz~4200MHz



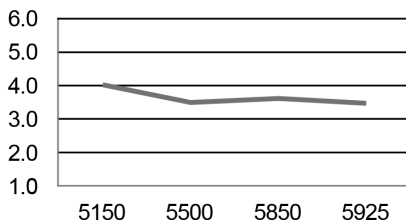
##### 3300MHz~4200MHz



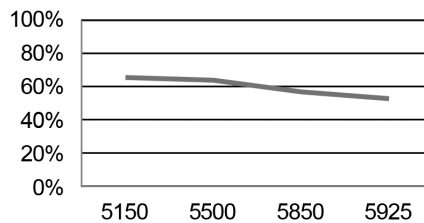
##### 3300MHz~4200MHz



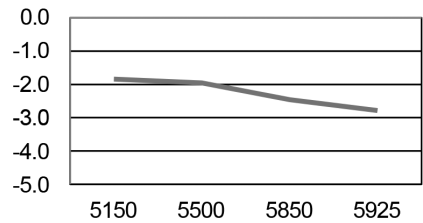
##### 5150MHz~5925MHz



##### 5150MHz~5925MHz



##### 5150MHz~5925MHz



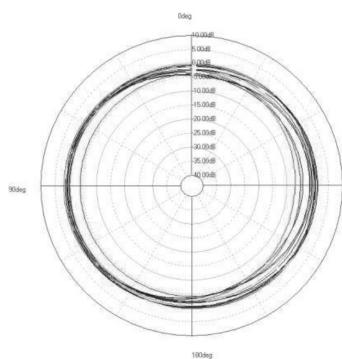
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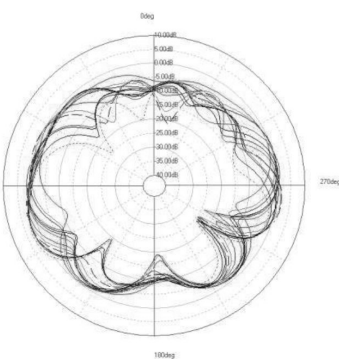
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### Radiation Pattern

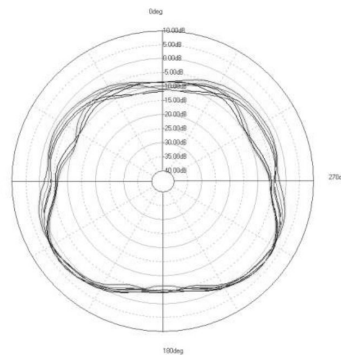
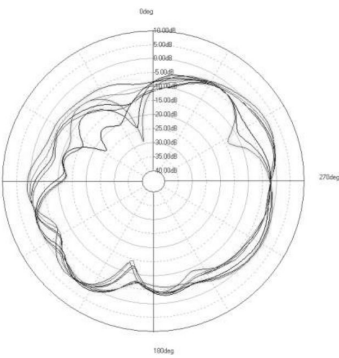
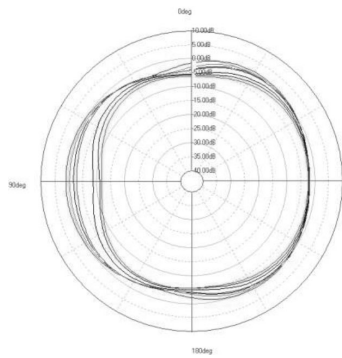
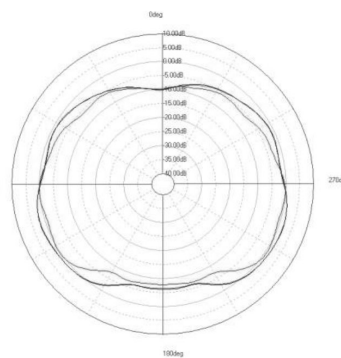
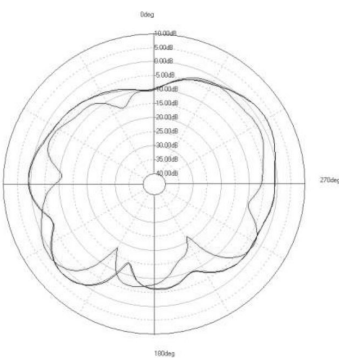
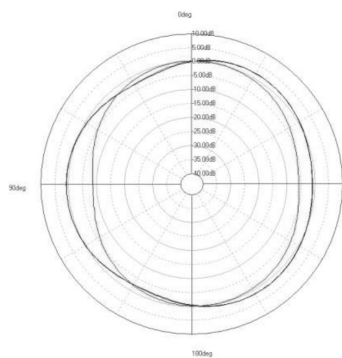
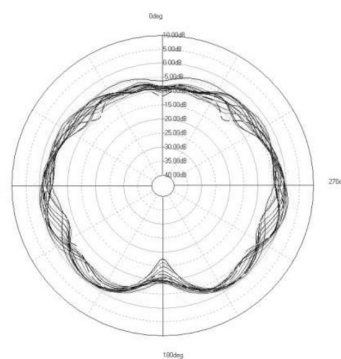
XY-plane



YZ-plane



ZX-plane



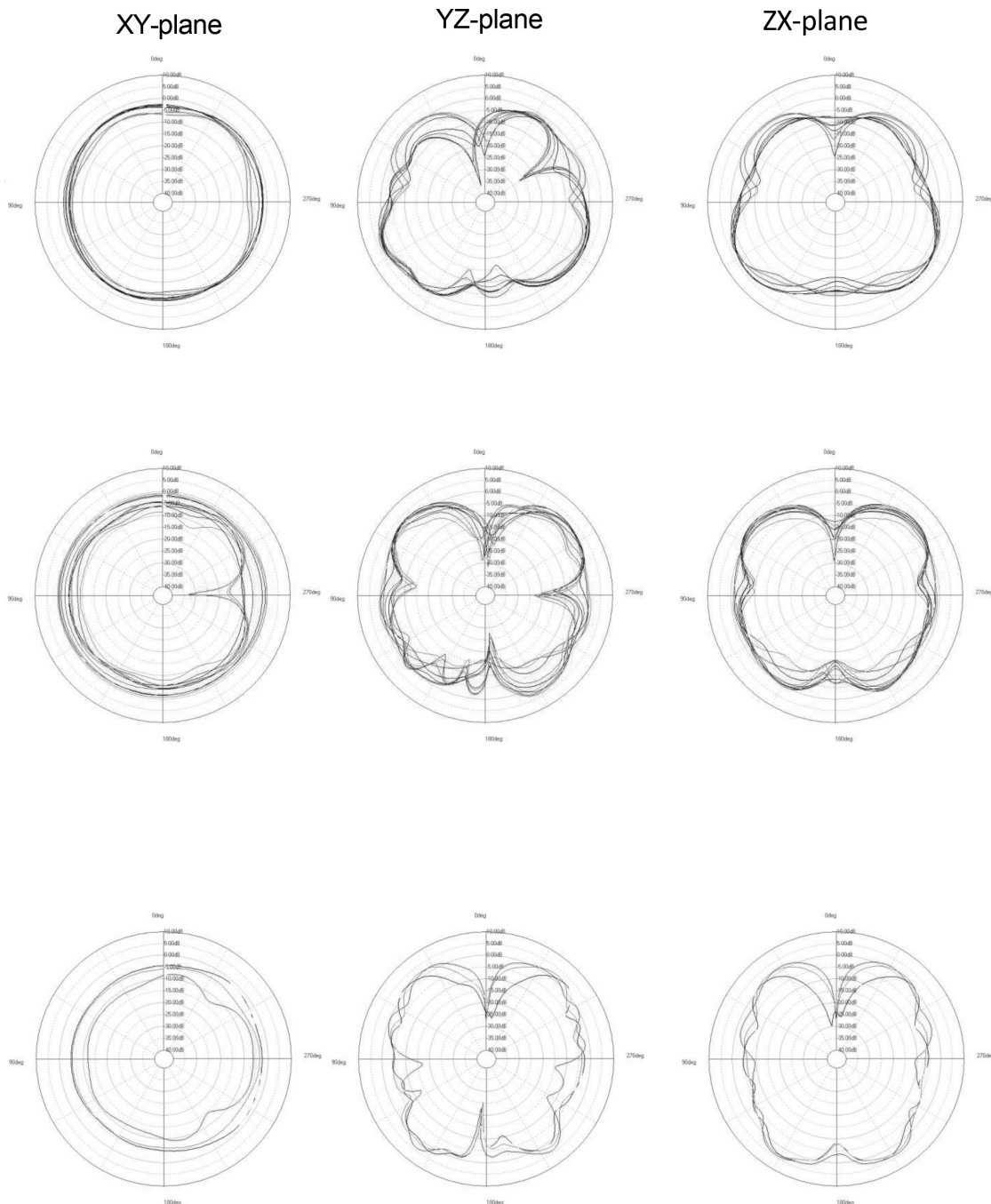
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## Radiation Pattern (Stand Alone)



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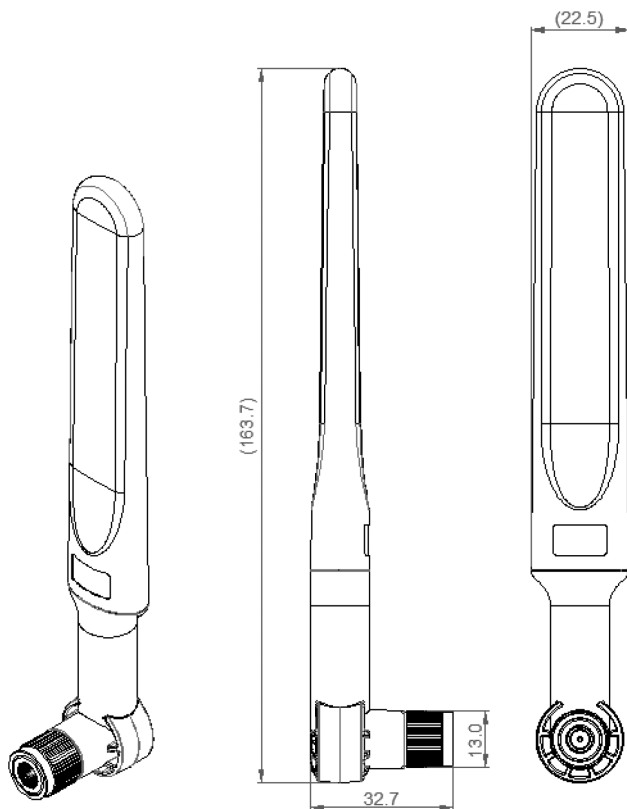
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# Wide-Band Antenna

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### Dimension



Dimensions : Millimetres

### Part Number Table

Description	Part Number
Wide-Band Antenna, 600MHz-6GHz, SMA Plug, Linear, Vertical, IP67	MP011397

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