

Outdoor Antenna

5G, IP67

multicomp PRO

**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	4400MHz to 5000	5150 to 5925MHz
Polarization	Linear, Vertical						
HPBW / Horizontal	360°						
HPBW / Vertical	60°						
Peak Gain	1.7 dBi Max	1.2 dBi Max	2.5 dBi Max.	3.2 dBi Max.	4.1 dBi Max.	4.8 dBi Max.	4.4 dBi Max.
Efficiency	41% min.	33% min.	65% min.	59% min.	69% min.	59% min.	51% min.
VSWR	4 max.:1	3 max.:1					
Power Handling	2W (cw)						
Impedance	50Ω						
Connector	N Plug						

Environmental & Mechanical Characteristics

Temperature	: -40°C to +70°C
Humidity	: 95% @ 55°C
Weight	: 78.5g
Waterproof Rating	: IPX7
Antenna Housing Colour	: White
Antenna Housing Material	: ASA, UV Resistance
Dimensions	: 180mm(L) × 25mm(OD)

Performance Summary

VSWR

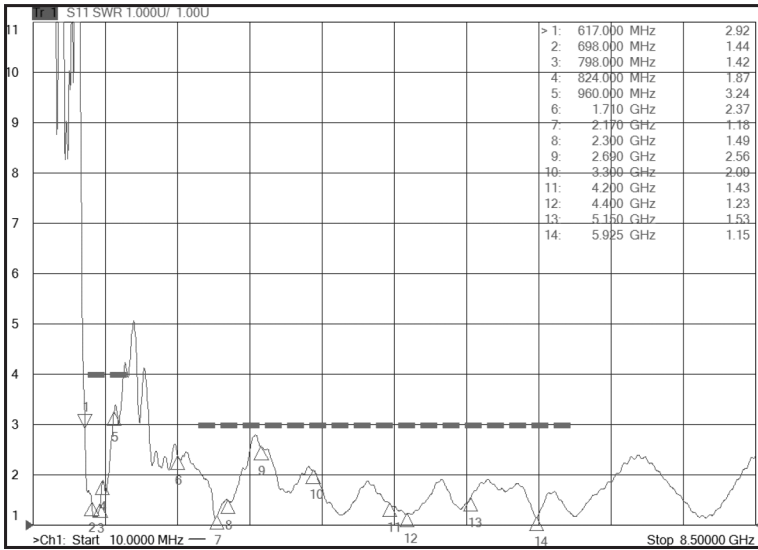
Frequency (MHz)	617 - 960	GNSSL1/L5	1710 - 2200	2300 - 2690	3300 - 4200	4400 - 5000	5150 - 5925
VSWR	4 max.: 1	3 max.:1					

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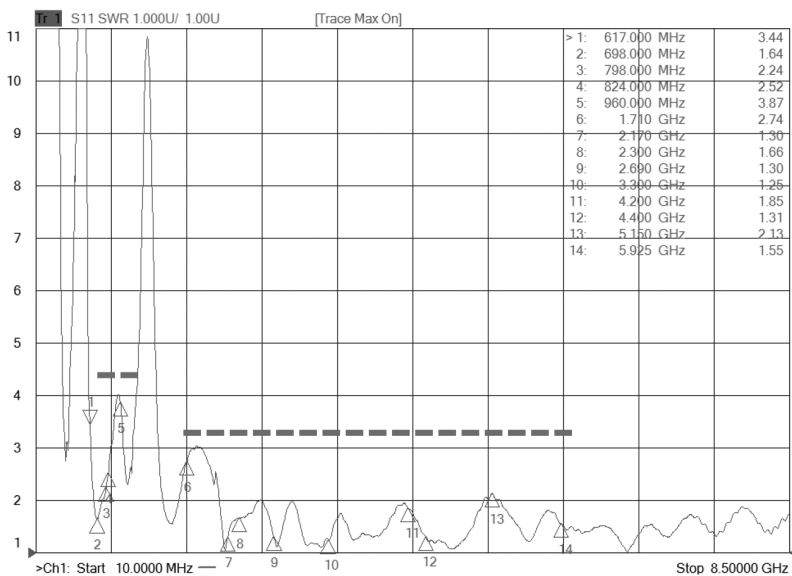


Performance Summary

VSWR with 185mm x 165mm metal housing

Frequency (MHz)	617 - 960	GNSS L1/L5	1710 - 2200	2300 - 2690	3300 - 4200	4400 - 5000	5150 - 5925	
VSWR	4.5 max.: 1				3.5 max.: 1			

Gain Table



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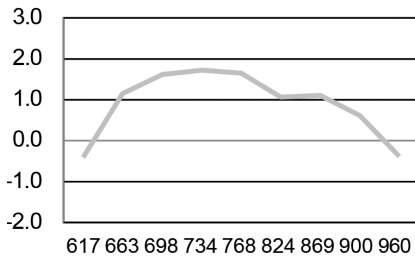
Gain Table (Stand Alone)

Peak Gain

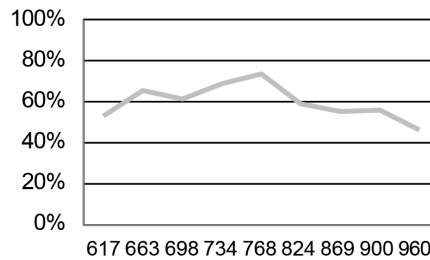
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Average Gain

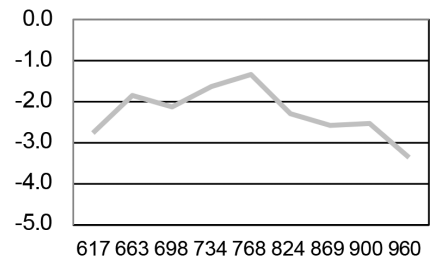
617MHz~960MHz



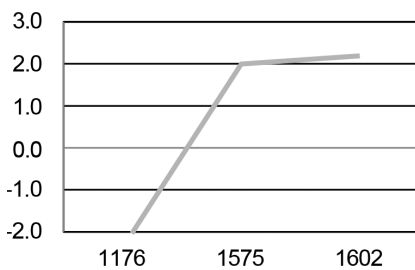
617MHz~960MHz



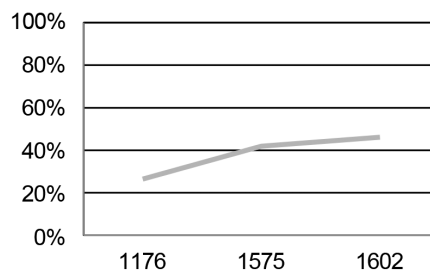
617MHz~960MHz



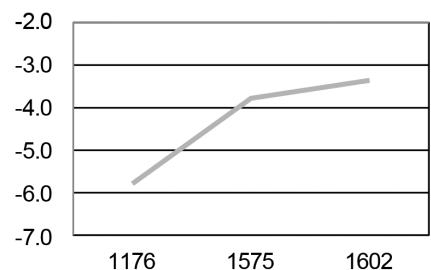
1176MHz~1602MHz GNSS



1176MHz~1602MHz GNSS



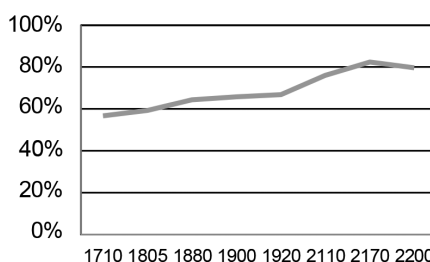
1176MHz~1602MHz GNSS



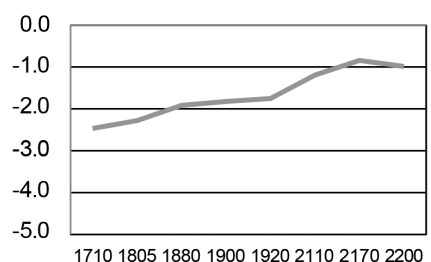
1710MHz~2200MHz



1710MHz~2200MHz



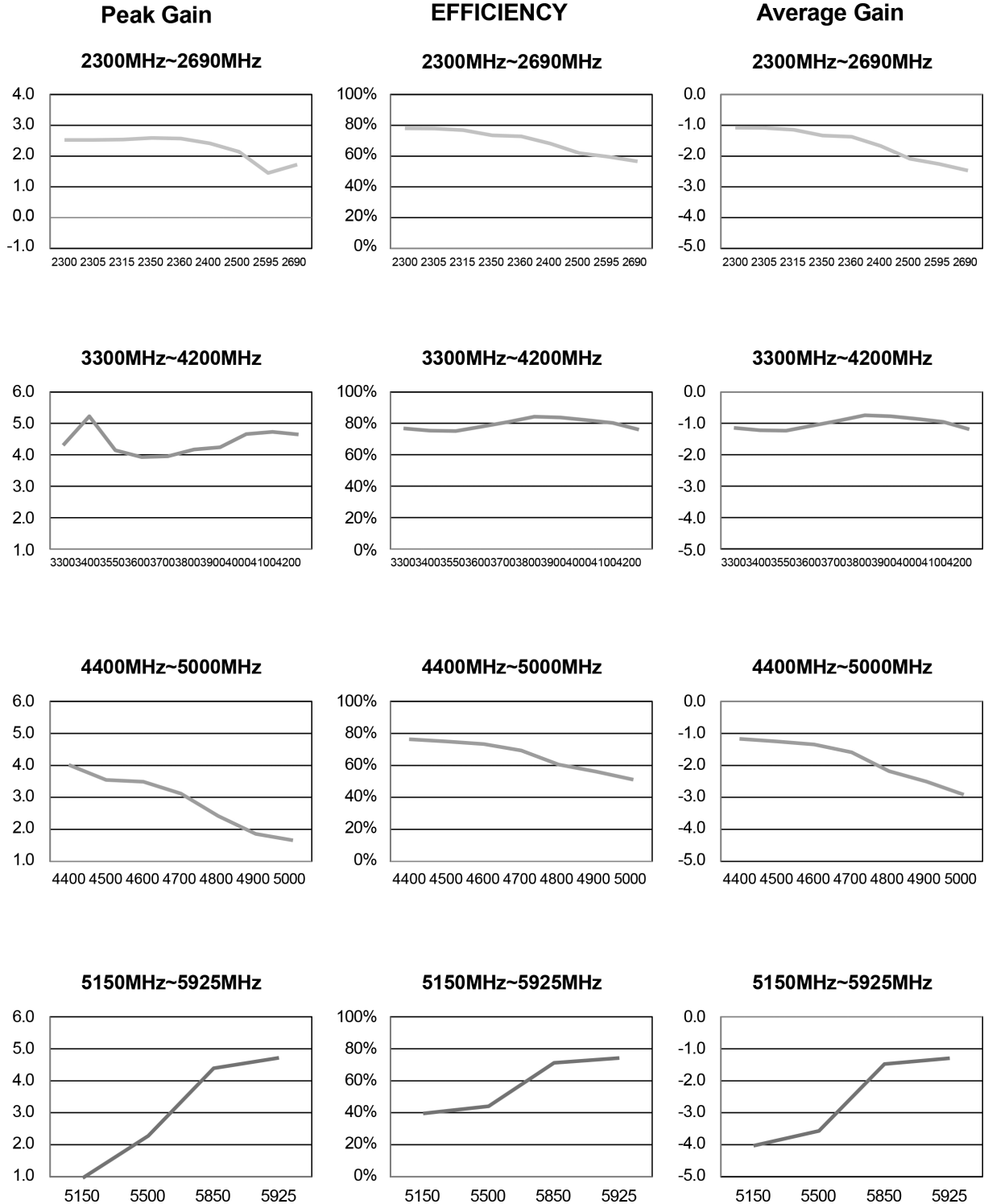
1710MHz~2200MHz



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Gain Table (Stand Alone)



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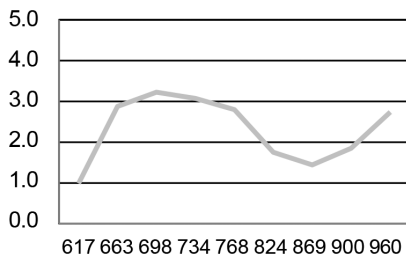
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Gain Table (with 185mm × 165mm Metal housing)

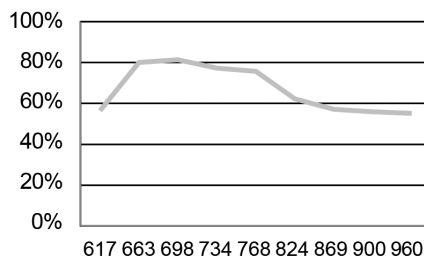
Peak Gain

617MHz~960MHz



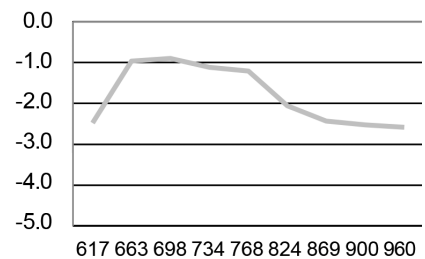
EFFICIENCY

617MHz~960MHz

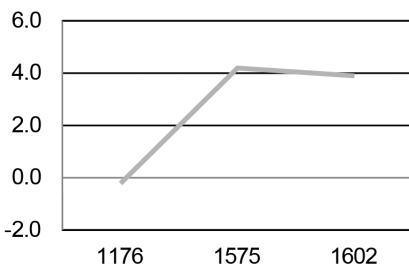


Average Gain

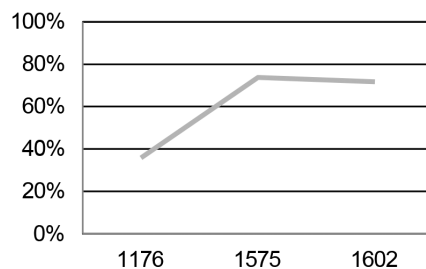
617MHz~960MHz



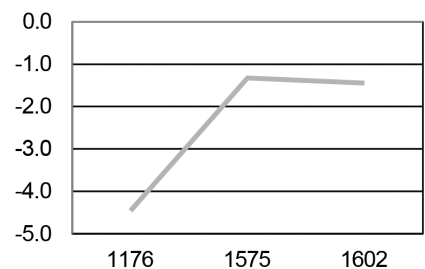
1176MHz~1602MHz GNSS



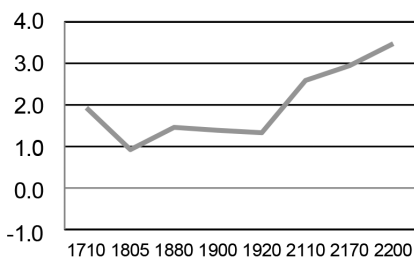
1176MHz~1602MHz GNSS



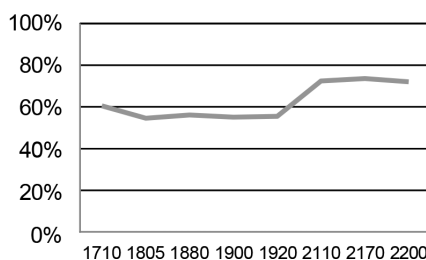
1176MHz~1602MHz GNSS



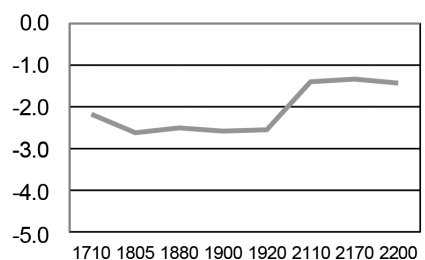
1710MHz~2200MHz



1710MHz~2200MHz



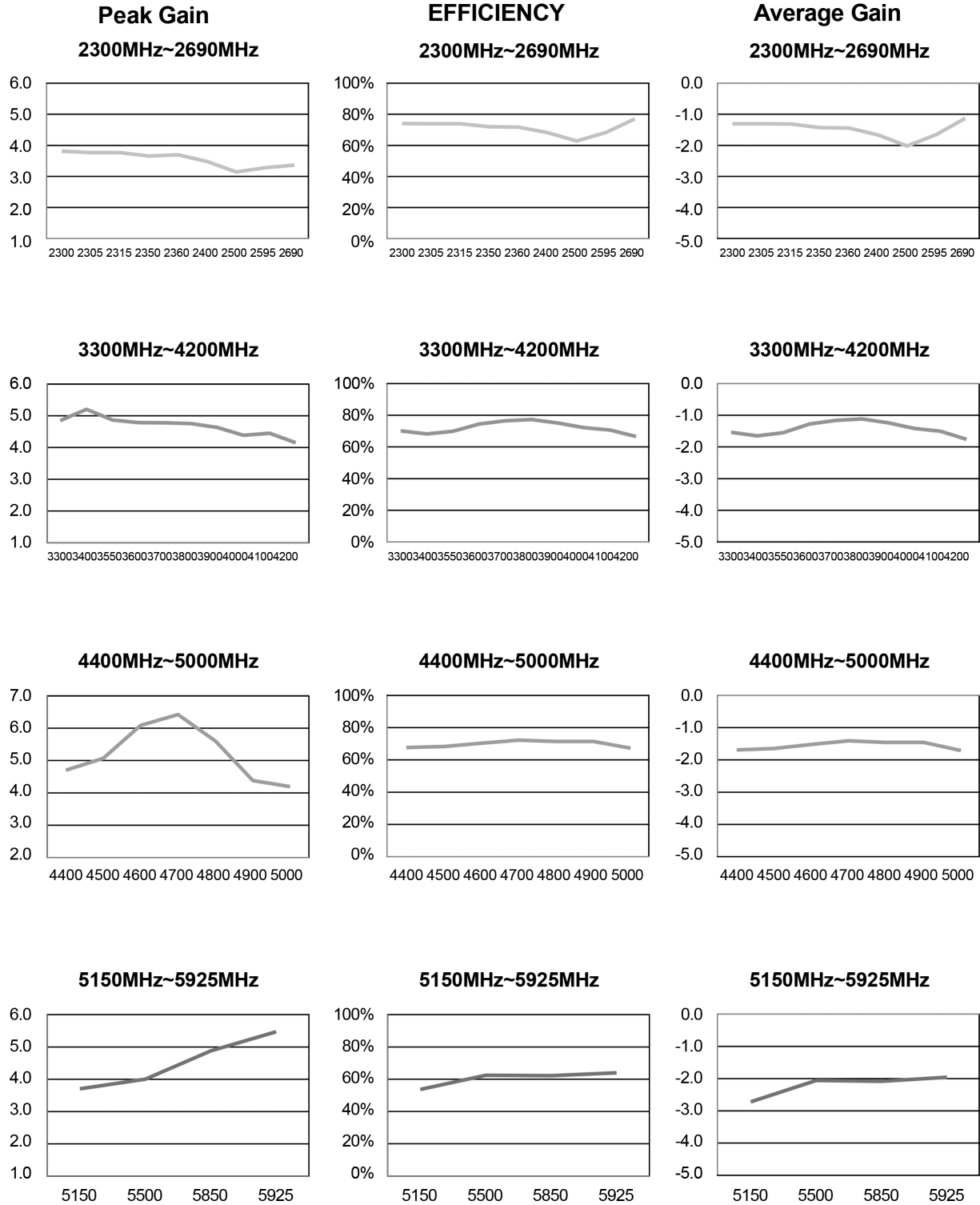
1710MHz~2200MHz



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Gain Table (with 185mm × 165mm Metal housing)



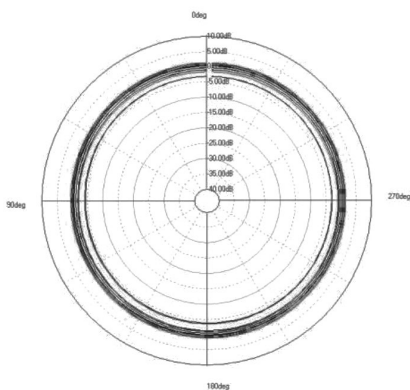
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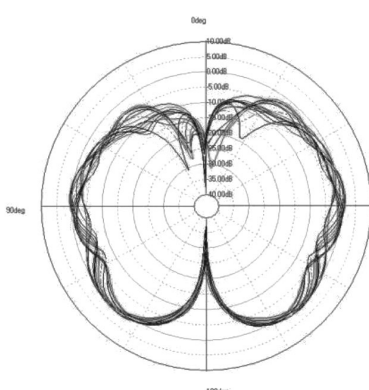
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Radiation Pattern (Stand Alone)

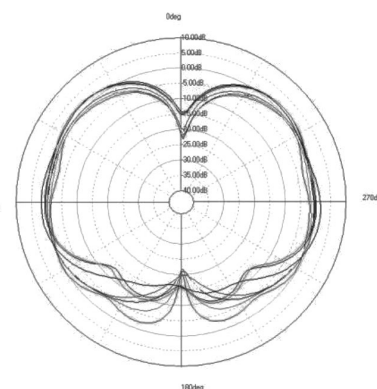
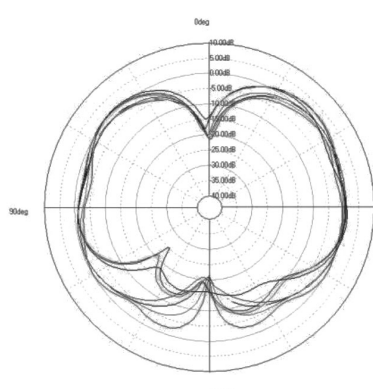
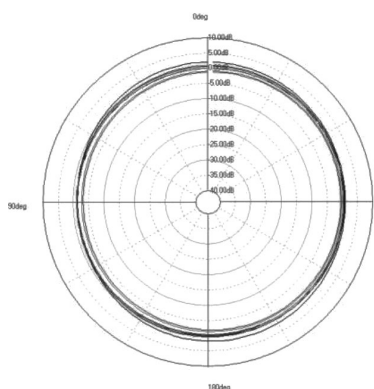
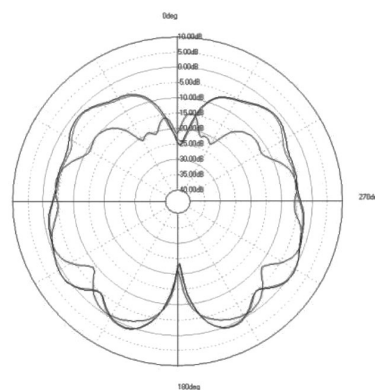
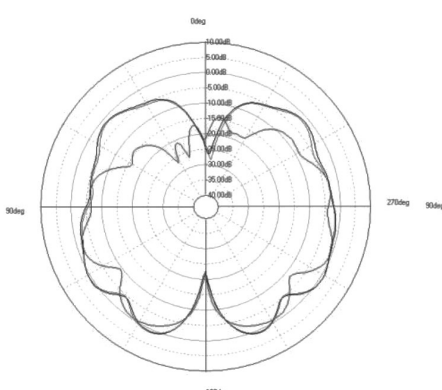
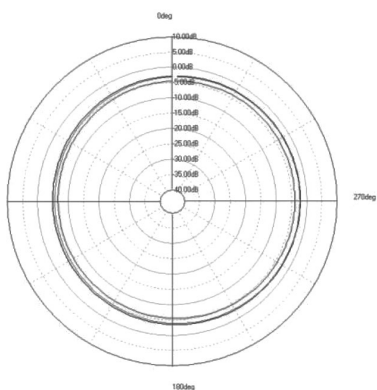
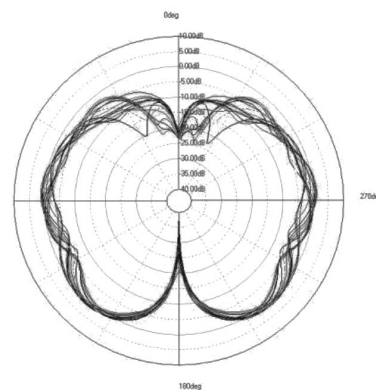
XY-plane



YZ-plane



ZX-plane



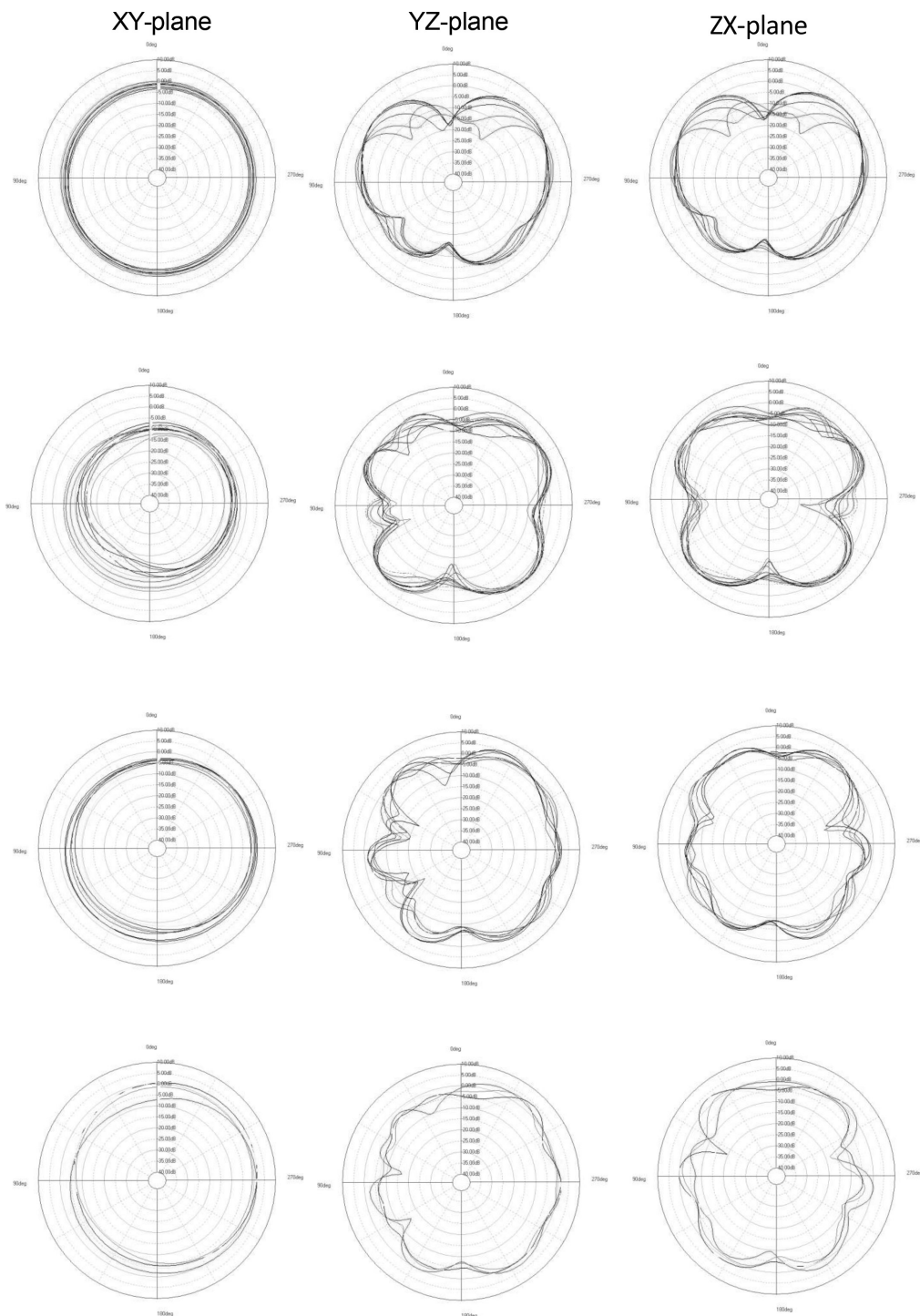
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Radiation Pattern (Stand Alone)



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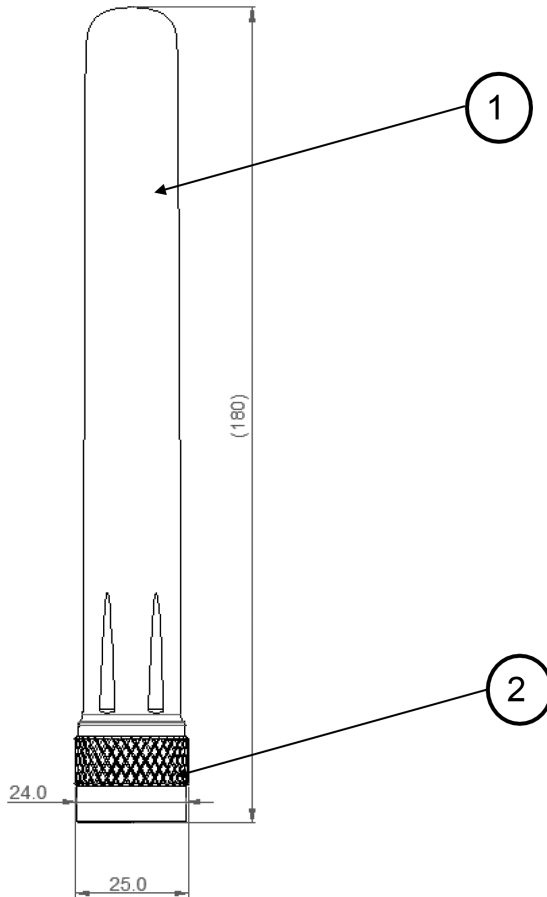
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Dimension



1. Antenna Top Cover, ASA UV Resistance
2. N Straight Plug For Robust Antenna

Dimensions : Millimetres

Part Number Table

Description	Part Number
Outdoor Antenna, 600MHz-6GHz, N Plug, Linear, Vertical, IP67	MP011396

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