



## RF Test Data

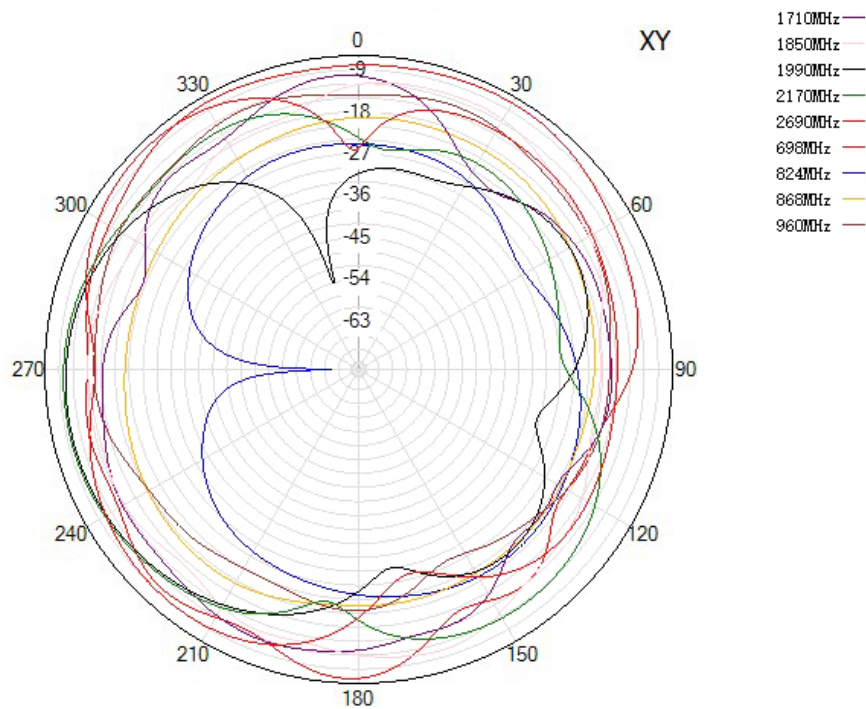
Alpha 17

### Gain and Efficiency

Frequency	Gain	Efficiency
698	-3.97	17.01%
824	-18.7	0.65%
868	-15.19	1.26%
960	-10.84	3.80%
1710	-6.28	9.99%
1850	-5.24	12.39%
1990	-9.13	3.85%
2170	-5.87	8.34%
2690	-3.66	10.87%

### Multi Frequency Radiation Plots

XY



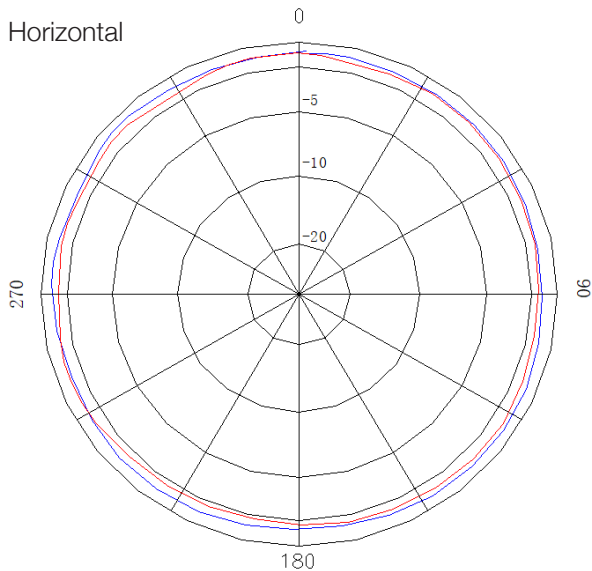


## RF Test Data

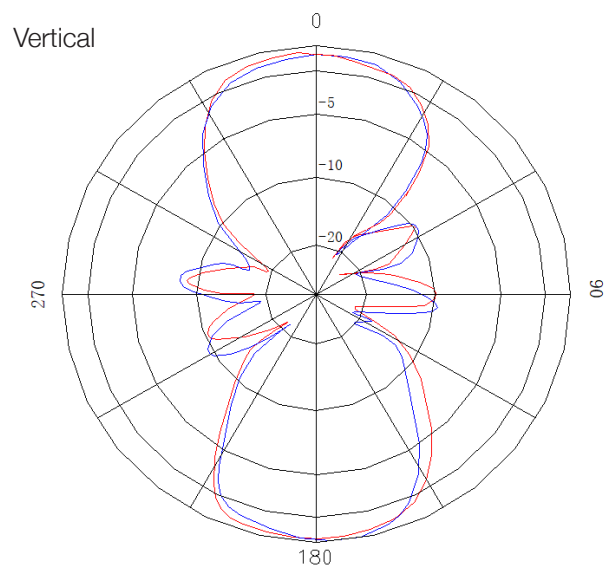
Alpha 17

### 433MHz Radiation Patterns

Horizontal



Vertical

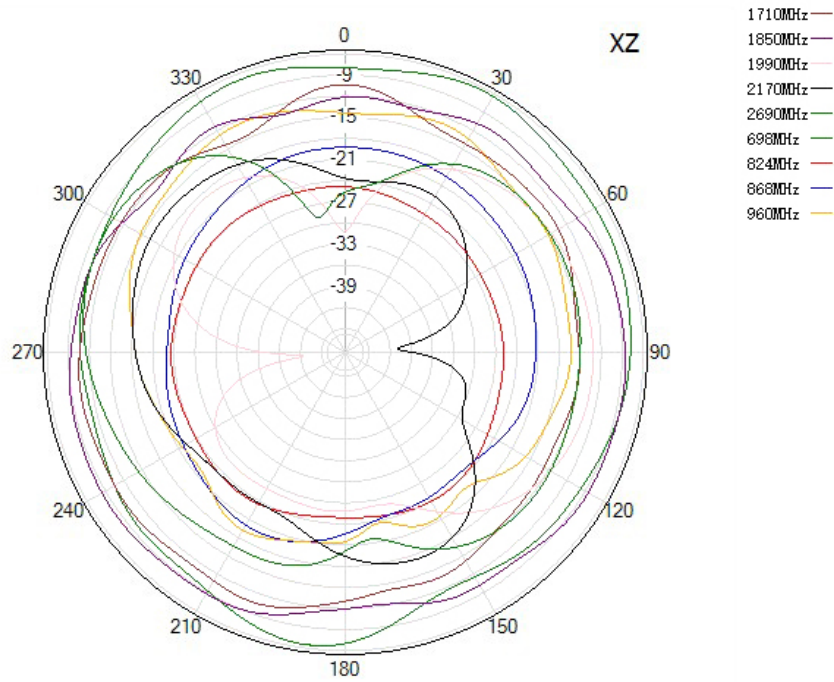




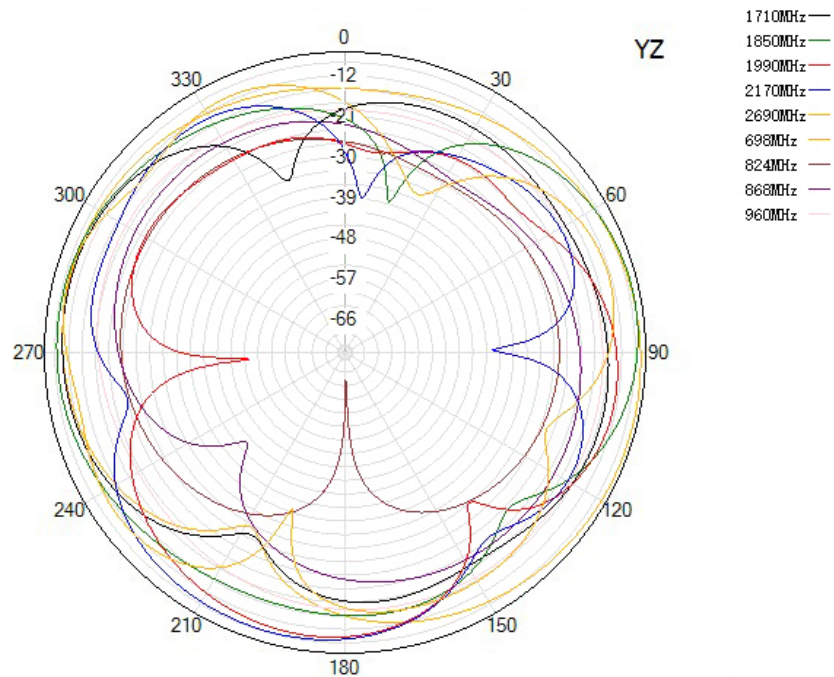
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### XZ



### YZ





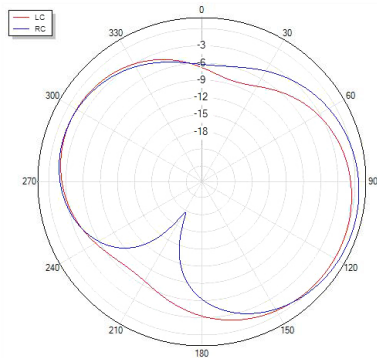
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### Individual Frequency Plots

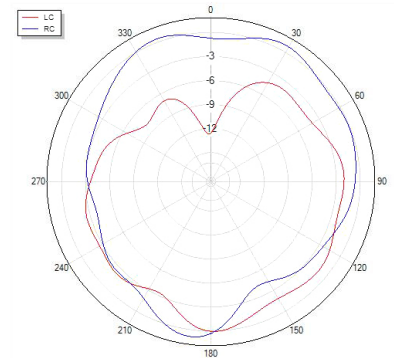
698H

H Theta=90 freq=698MHz



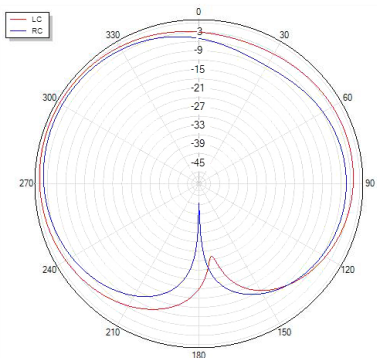
698V

V Phi=90 freq=698MHz



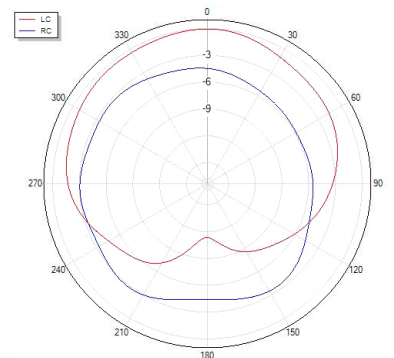
824H

H Theta=90 freq=824MHz



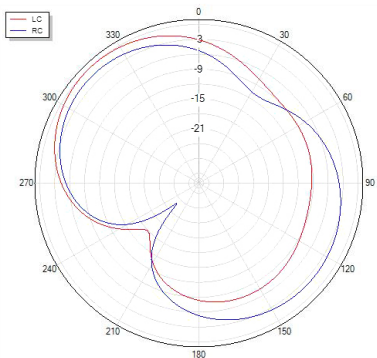
824V

V Phi=90 freq=824MHz



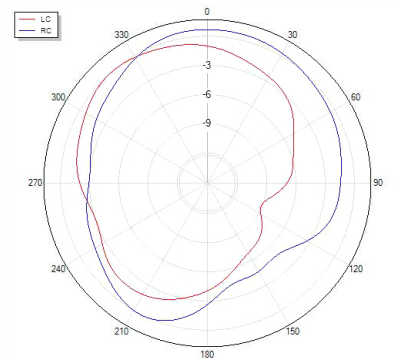
868H

H Theta=90 freq=868MHz



868V

V Phi=90 freq=868MHz



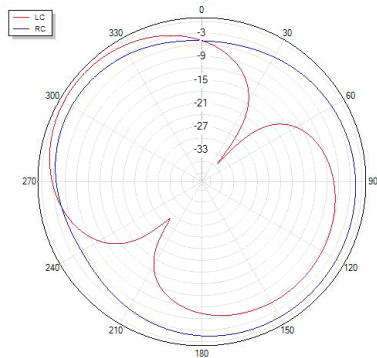


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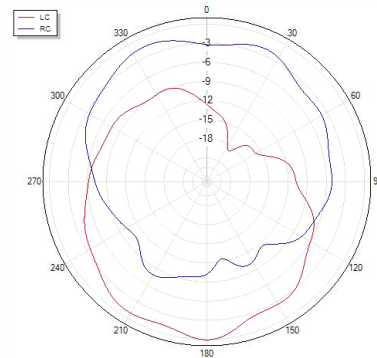
### 960H

H Theta=90 freq=960MHz



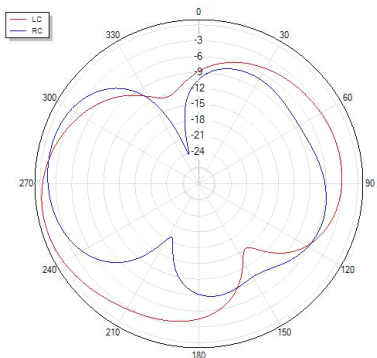
### 960V

V Phi=90 freq=960MHz



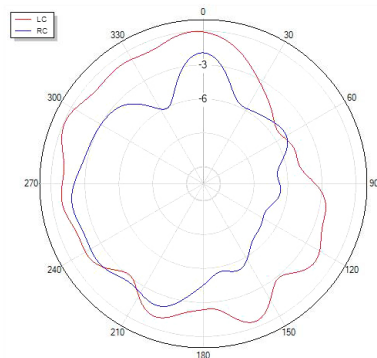
### 1710H

H Theta=90 freq=1710MHz



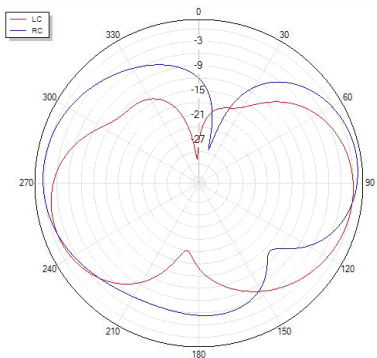
### 1710V

V Phi=90 freq=1710MHz



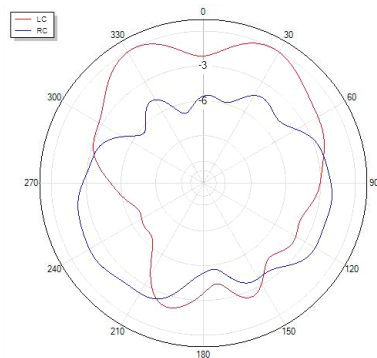
### 1850H

H Theta=90 freq=1850MHz



### 1850V

V Phi=90 freq=1850MHz





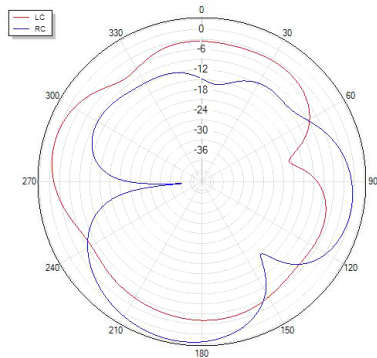


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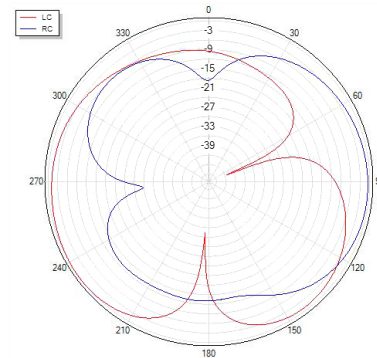
### 1990H

H Theta=90 freq=1990MHz



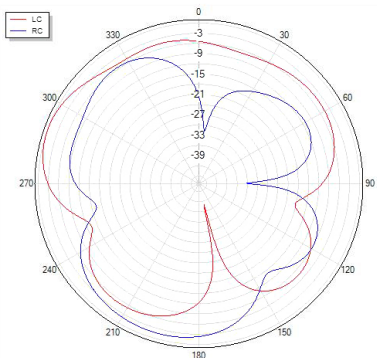
### 1990V

V Phi=90 freq=1990MHz



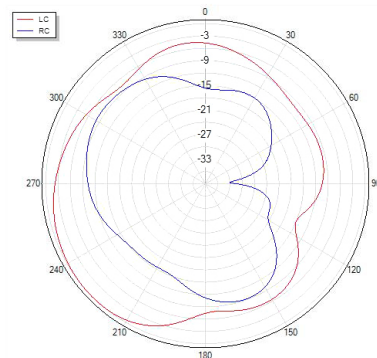
### 2170H

H Theta=90 freq=2170MHz



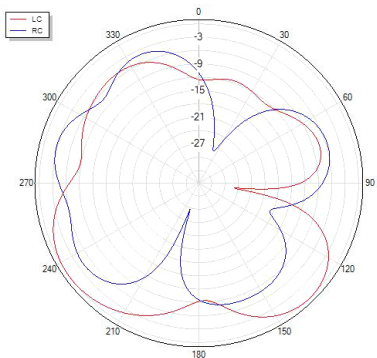
### 2170V

V Phi=90 freq=2170MHz



### 2690H

H Theta=90 freq=2690MHz



### 2690V

V Phi=90 freq=2690MHz

