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Enabling Industrial IoT

# RF Test Data

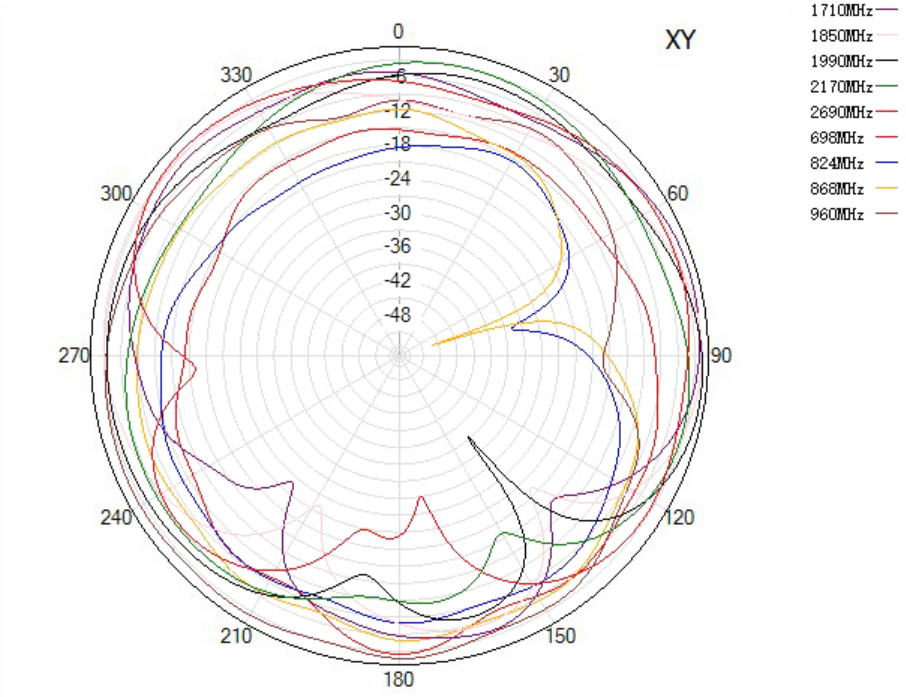
Alpha 11

## Gain and Efficiency

| Frequency | Gain | Efficiency |
|---|---|---|
| 698 | -1.89 | 15.45% |
| 824 | -7.35 | 8.38% |
| 868 | -4.05 | 14.78% |
| 960 | -1 | 37.20% |
| 1710 | 1.7 | 49.74% |
| 1850 | 2.12 | 49.34% |
| 1990 | 2.65 | 55.04% |
| 2170 | 0.16 | 31.46% |
| 2690 | 1.57 | 38.42% |

## Multi Frequency Radiation Plots

### XY





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Spencers Wood
Reading
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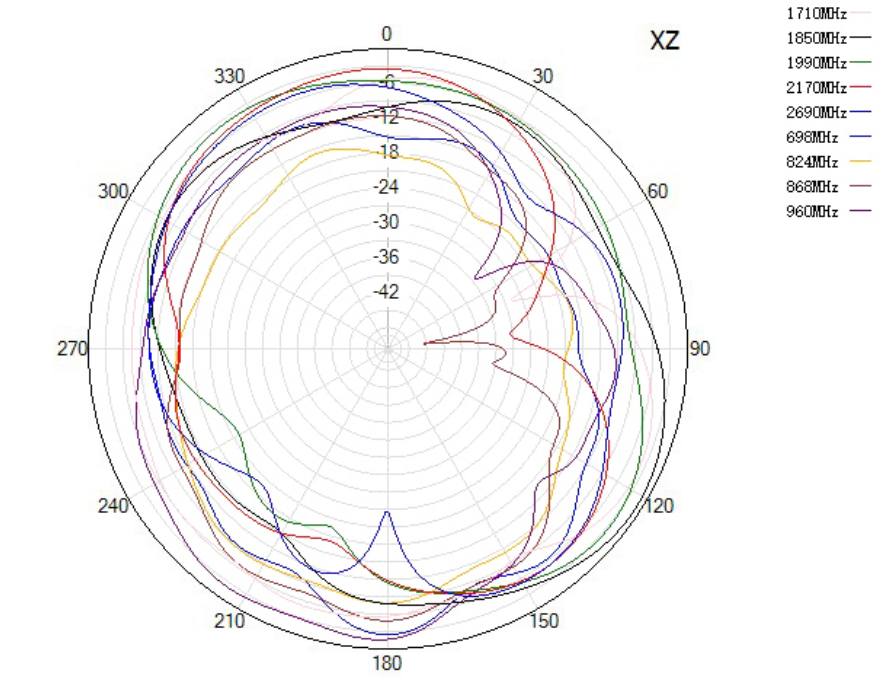
sales +44(0)118 976 9000
fax +44(0)118 976 9020
email sales@siretta.com
web www.siretta.com

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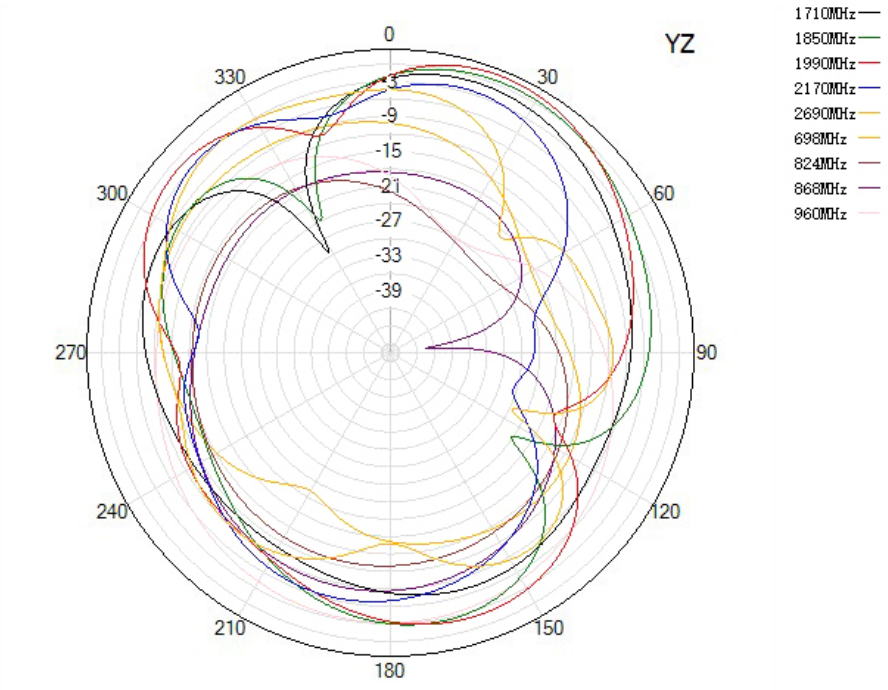
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## XZ




## YZ




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Siretta Ltd
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Spencers Wood
Reading
Berkshire RG7 1PW

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fax +44(0)118 976 9020
email sales@siretta.com
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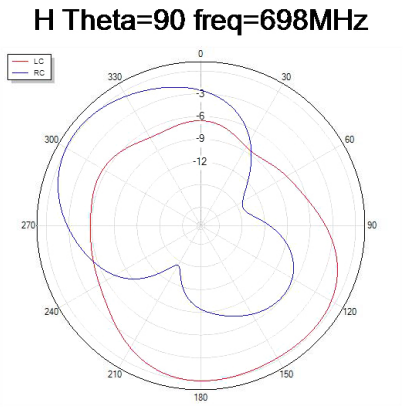
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# RF Test Data

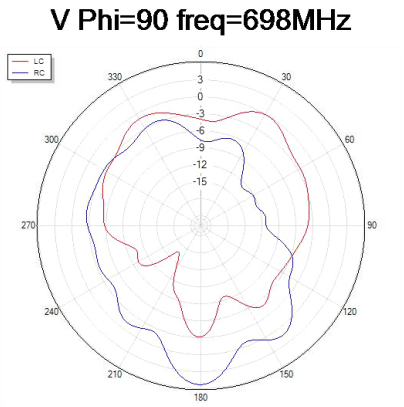
Alpha 11

## Individual Frequency Plots

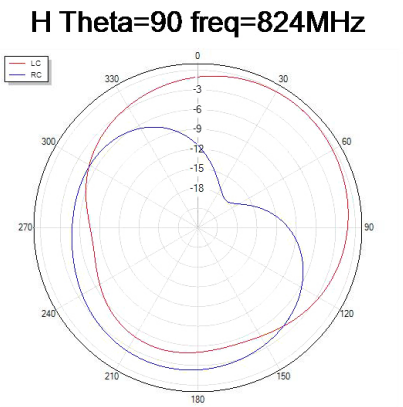
### 698H



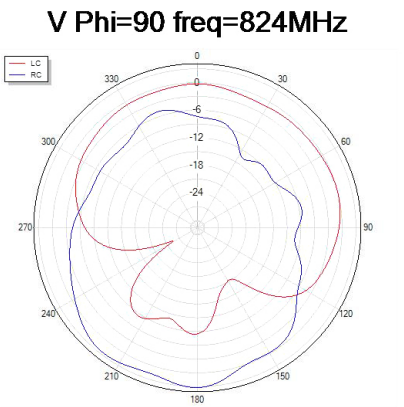

### 698V



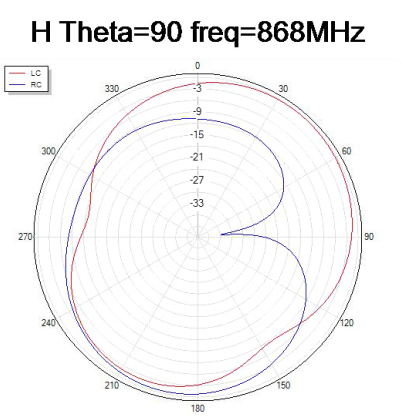

### 824H



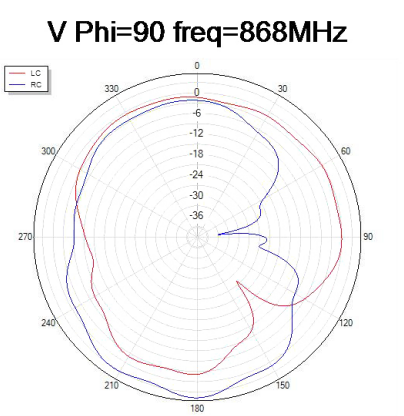

### 824V




### 868H




### 868V




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Siretta Ltd
Basingstoke Road
Spencers Wood
Reading
Berkshire RG7 1PW

sales +44(0)118 976 9000
fax +44(0)118 976 9020
email sales@siretta.com
web www.siretta.com

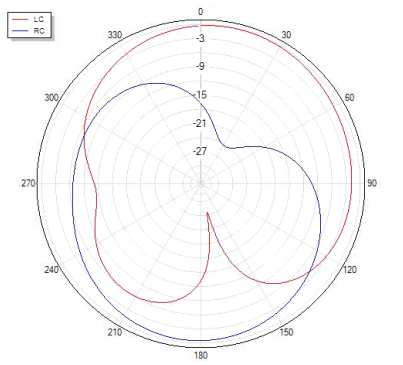
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# RF Test Data

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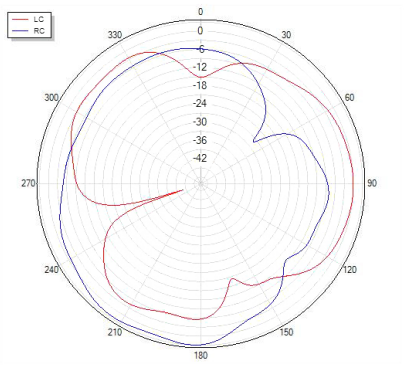
## 960H

H Theta=90 freq=960MHz



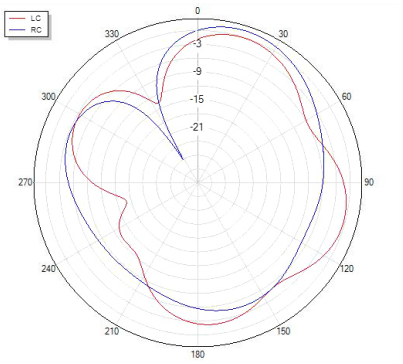

## 960V

V Phi=90 freq=960MHz



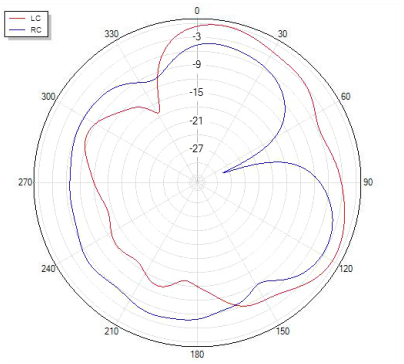

## 1710H

H Theta=90 freq=1710MHz



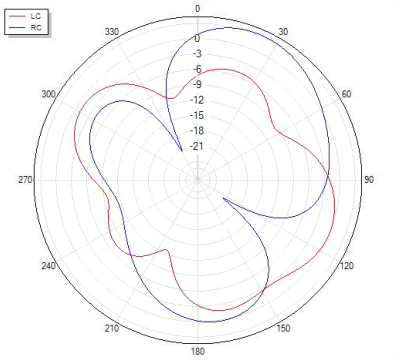

## 1710V

V Phi=90 freq=1710MHz



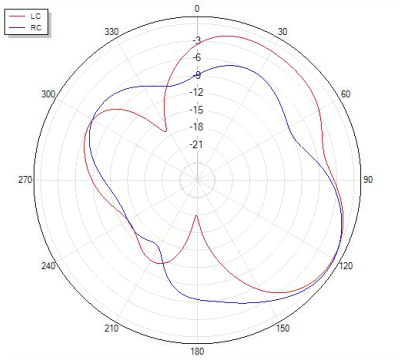

## 1850H

H Theta=90 freq=1850MHz




## 1850V

V Phi=90 freq=1850MHz





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Berkshire RG7 1PW

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email sales@siretta.com
web www.siretta.com

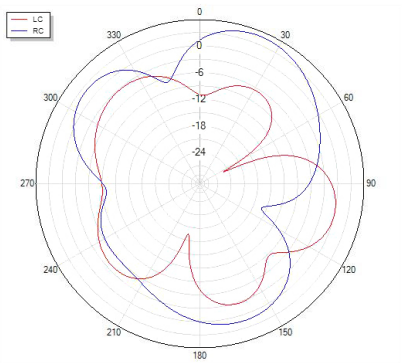
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# RF Test Data

Alpha 11

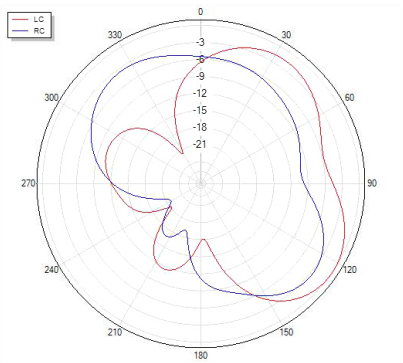
## 1990H

H Theta=90 freq=1990MHz



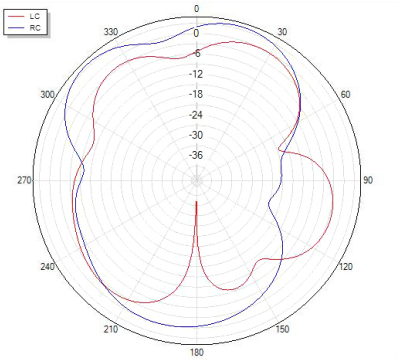

## 1990V

V Phi=90 freq=1990MHz



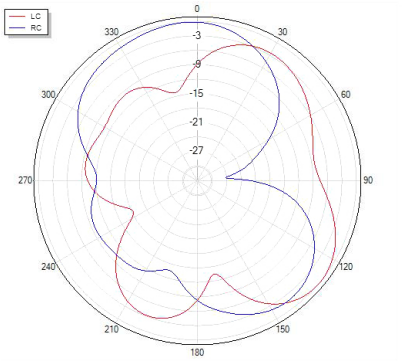

## 2170H

H Theta=90 freq=2170MHz



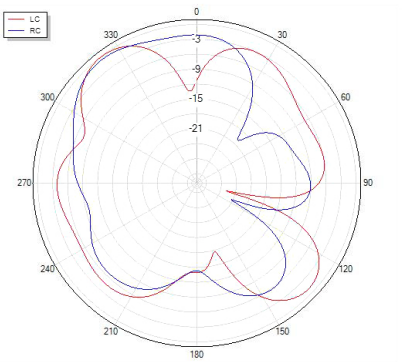

## 2170V

V Phi=90 freq=2170MHz



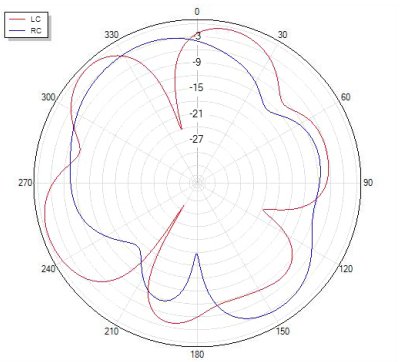

## 2690H

H Theta=90 freq=2690MHz




## 2690V

V Phi=90 freq=2690MHz





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web www.siretta.com