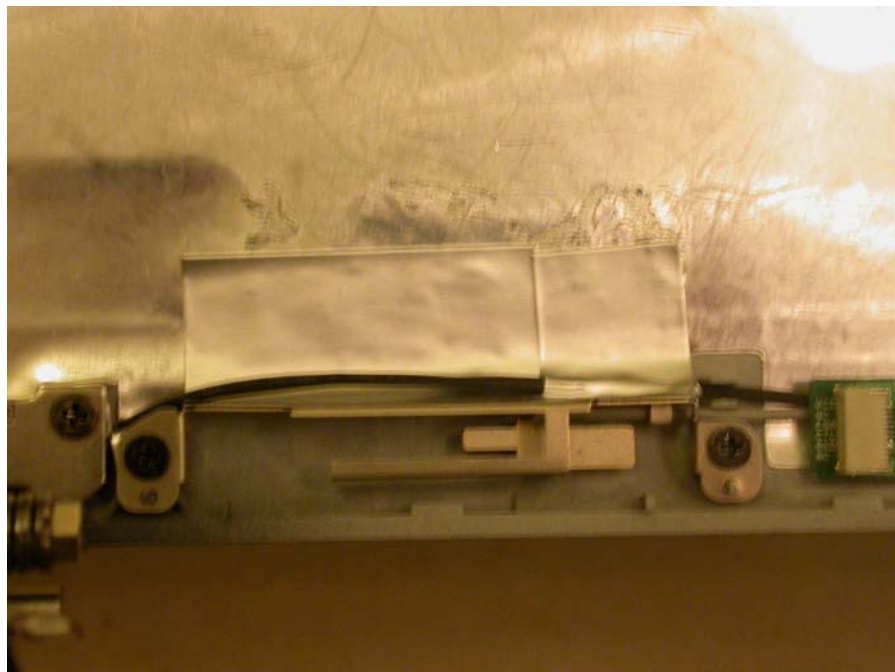


[illegible]

WLAN AUX Antenna

WLAN Main Antenna

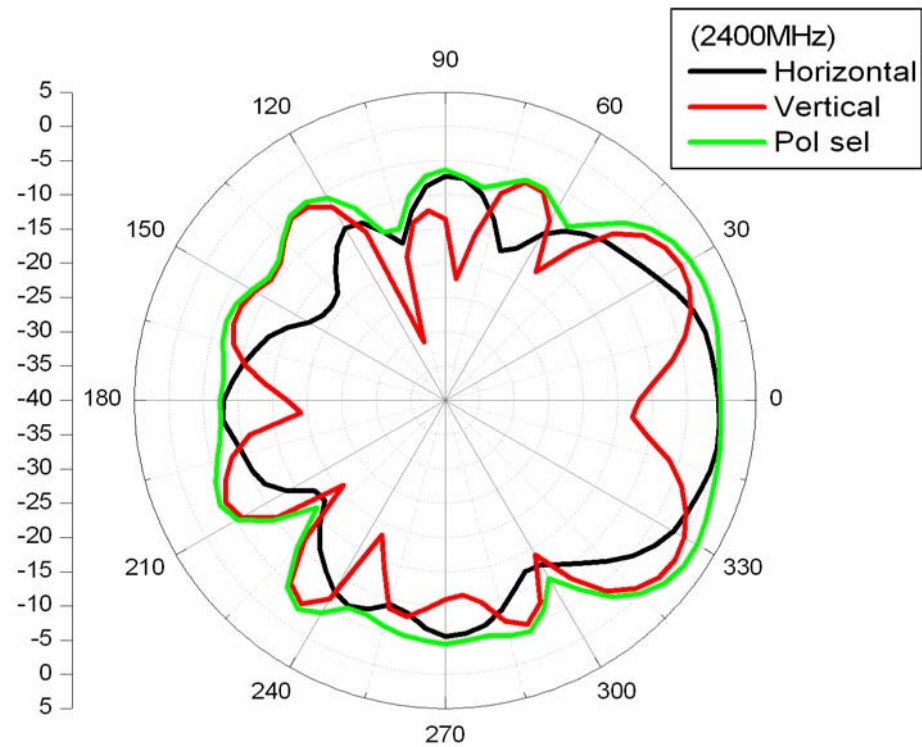
**SAC**  
**FM6 L Rev:2B**  
**Dell Rev:X01**



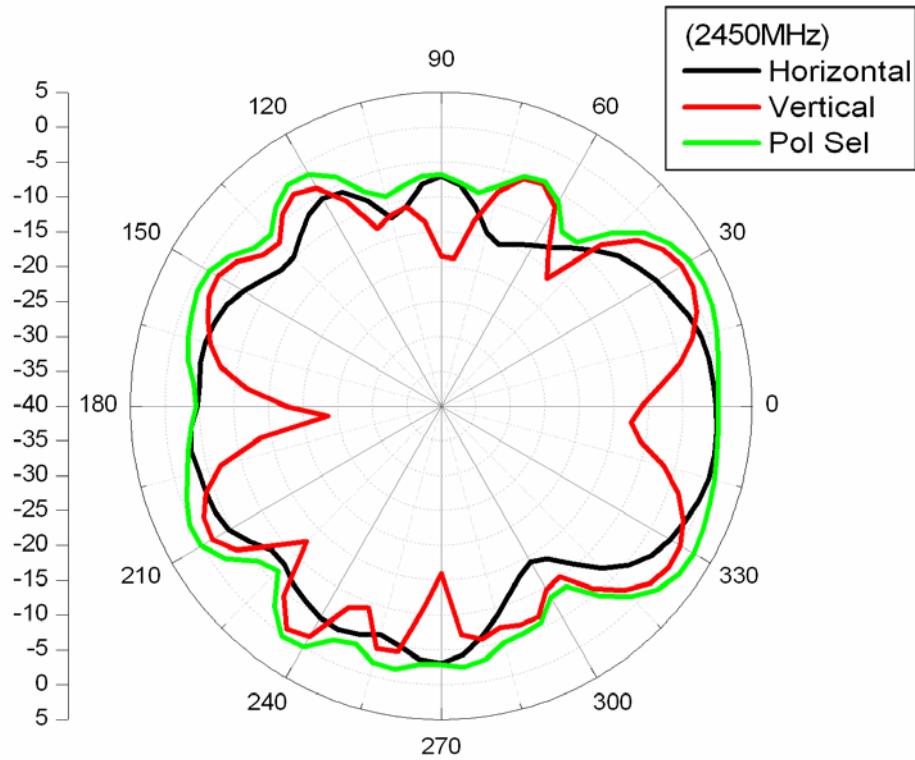
Section 3. Radiation characteristics of antennae Loaded in Host Platform

2400-2500MHz radiation characteristic

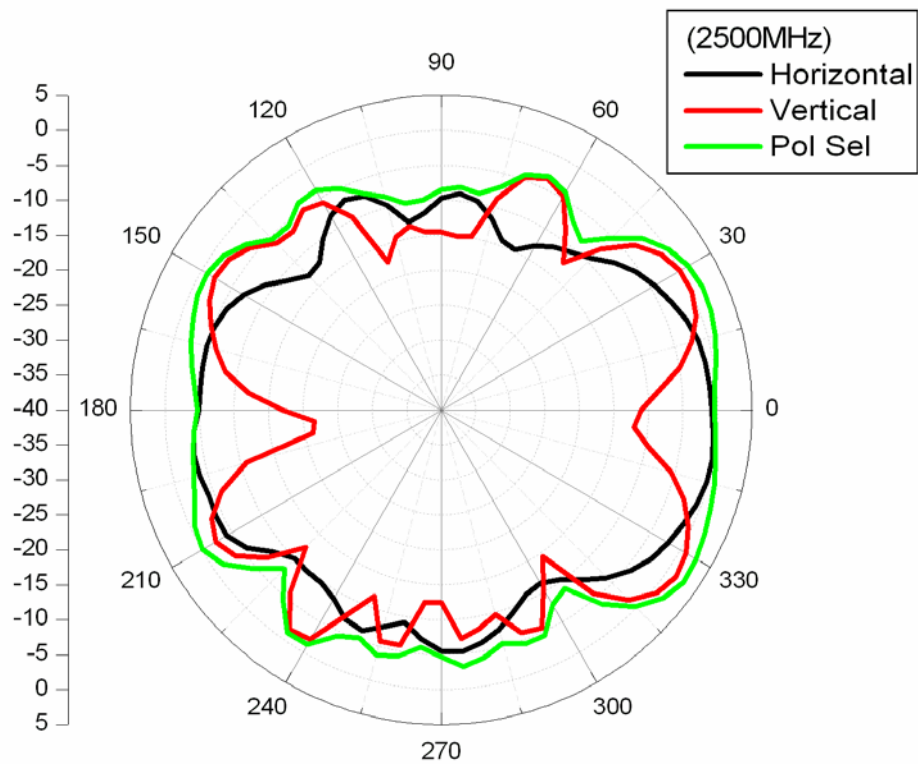
Main antenna: 2400 MHz



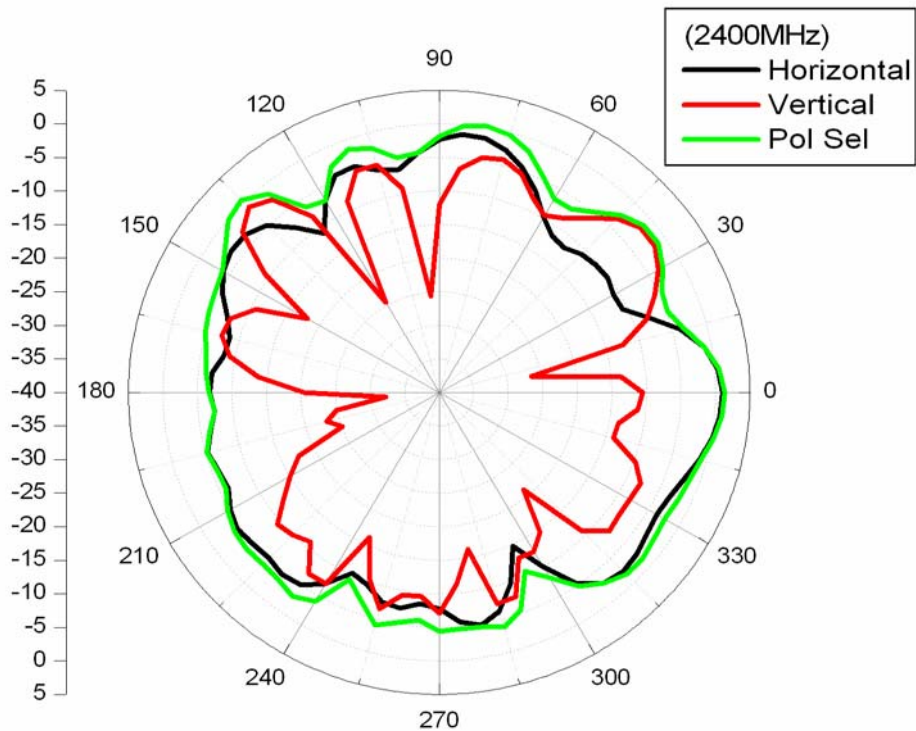
|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 2400 MHz | Center Frequency         | 2400 MHz |
| Horizontal (dBi) peak | -0.01    | Horizontal (dBi) average | -6.28    |
| Vertical (dBi) peak   | 0.61     | Vertical (dBi) average   | -6.16    |
| H+V (dBi) peak        | 2.17     | H+V (dBi) average        | -3.21    |



|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 2450 MHz | Center Frequency         | 2450 MHz |
| Horizontal (dBi) peak | 0.18     | Horizontal (dBi) average | -4.81    |
| Vertical (dBi) peak   | 0.25     | Vertical (dBi) average   | -4.88    |
| H+V (dBi) peak        | 2.21     | H+V (dBi) average        | -1.83    |

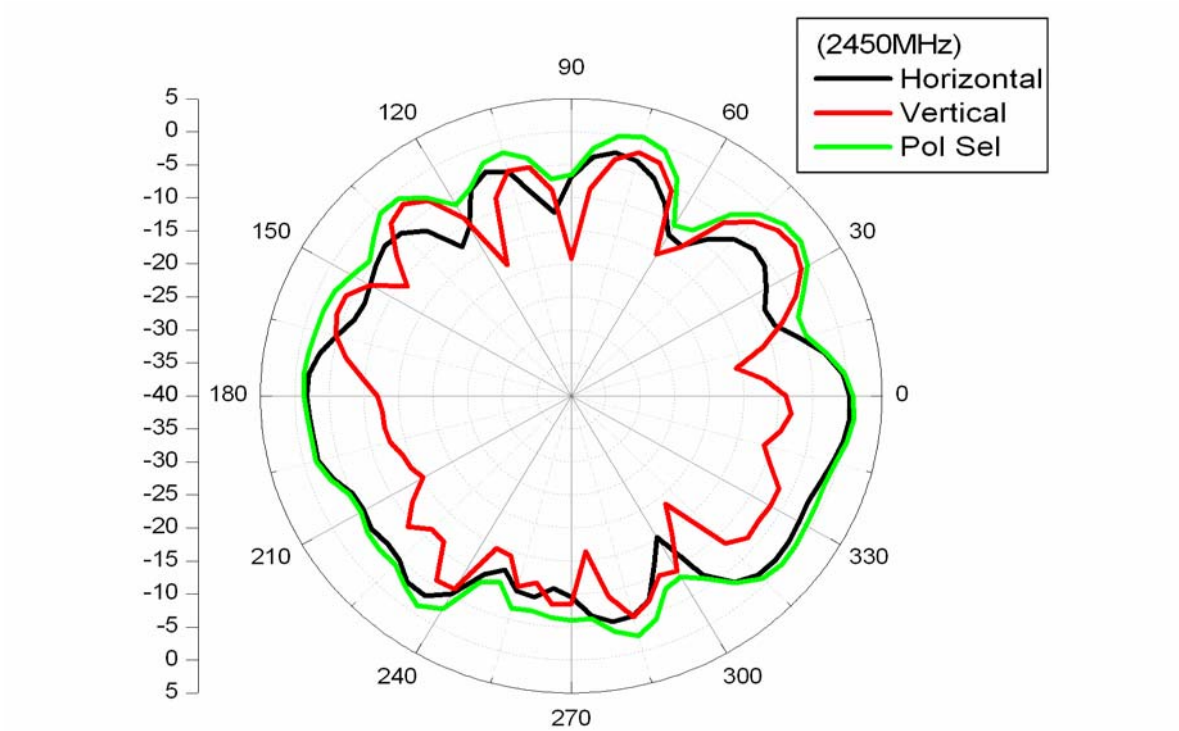


|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 2500 MHz | Center Frequency         | 2500 MHz |
| Horizontal (dBi) peak | -0.18    | Horizontal (dBi) average | -5.37    |
| Vertical (dBi) peak   | 1.50     | Vertical (dBi) average   | -4.89    |
| H+V (dBi) peak        | 2.86     | H+V (dBi) average        | -2.11    |

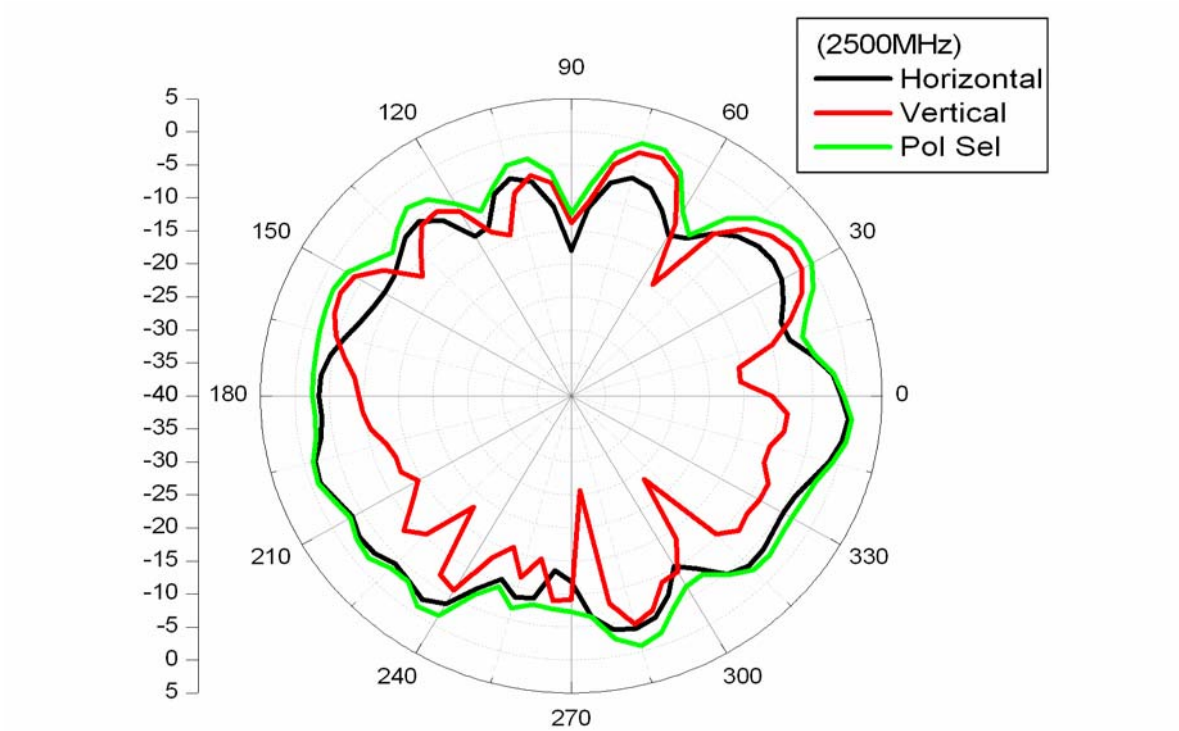


|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 2400 MHz | Center Frequency         | 2400 MHz |
| Horizontal (dBi) peak | 0.97     | Horizontal (dBi) average | -4.66    |
| Vertical (dBi) peak   | -1.02    | Vertical (dBi) average   | -7.92    |
| H+V (dBi) peak        | 1.26     | H+V (dBi) average        | -2.98    |





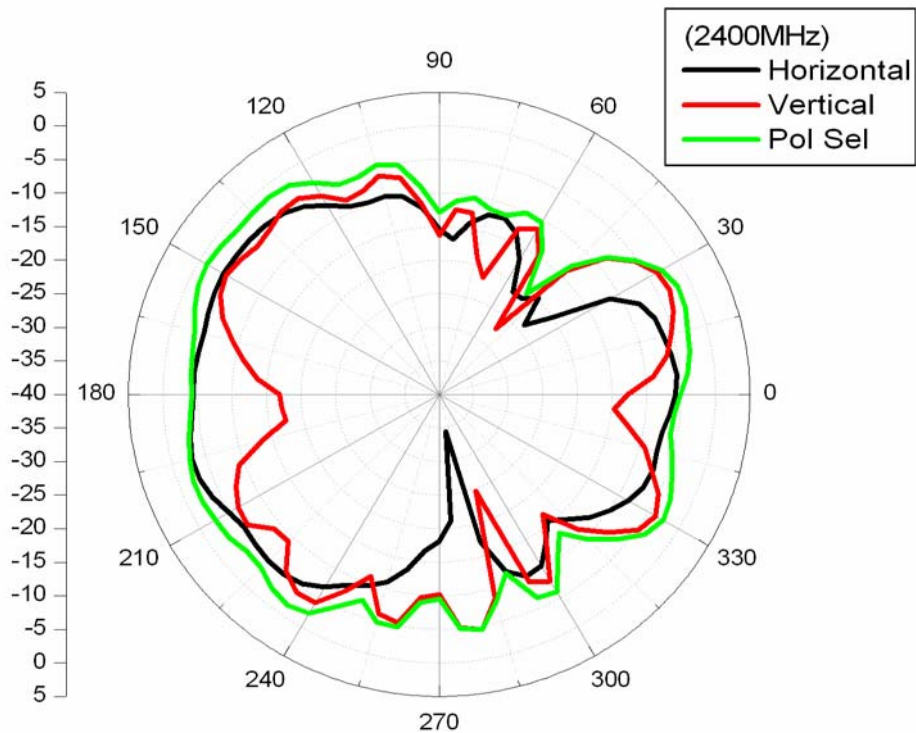
|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 2450 MHz | Center Frequency         | 2450 MHz |
| Horizontal (dBi) peak | 0.44     | Horizontal (dBi) average | -4.41    |
| Vertical (dBi) peak   | -0.56    | Vertical (dBi) average   | -6.87    |
| H+V (dBi) peak        | 1.02     | H+V (dBi) average        | -2.46    |



|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 2500 MHz | Center Frequency         | 2500 MHz |
| Horizontal (dBi) peak | 0.25     | Horizontal (dBi) average | -4.96    |
| Vertical (dBi) peak   | -1.29    | Vertical (dBi) average   | -7.24    |
| H+V (dBi) peak        | 0.78     | H+V (dBi) average        | -2.94    |

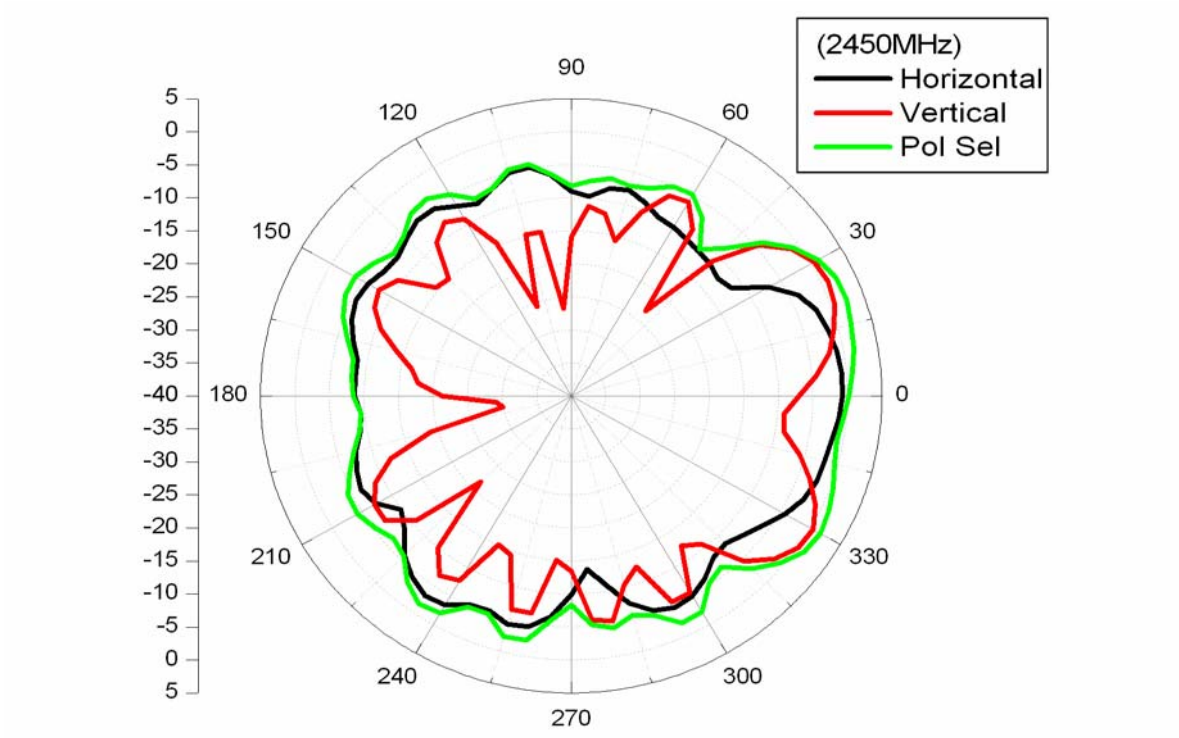


Auxiliary antenna: 2400 MHz



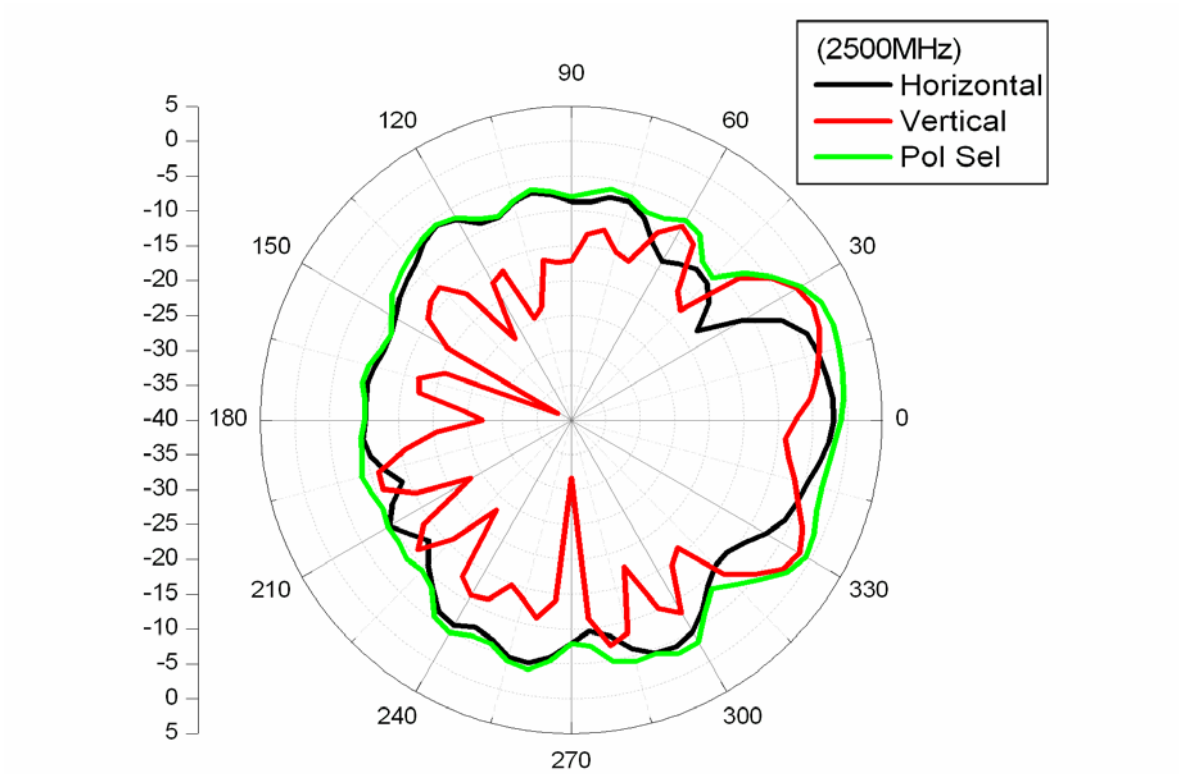
|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 2400 MHz | Center Frequency         | 2400 MHz |
| Horizontal (dBi) peak | -2.98    | Horizontal (dBi) average | -7.39    |
| Vertical (dBi) peak   | -3.15    | Vertical (dBi) average   | -7.55    |
| H+V (dBi) peak        | -1.15    | H+V (dBi) average        | -4.46    |

Auxiliary antenna: 2450 MHz



|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 2450 MHz | Center Frequency         | 2450 MHz |
| Horizontal (dBi) peak | -0.68    | Horizontal (dBi) average | -5.57    |
| Vertical (dBi) peak   | 1.02     | Vertical (dBi) average   | -6.29    |
| H+V (dBi) peak        | 2.39     | H+V (dBi) average        | -2.91    |

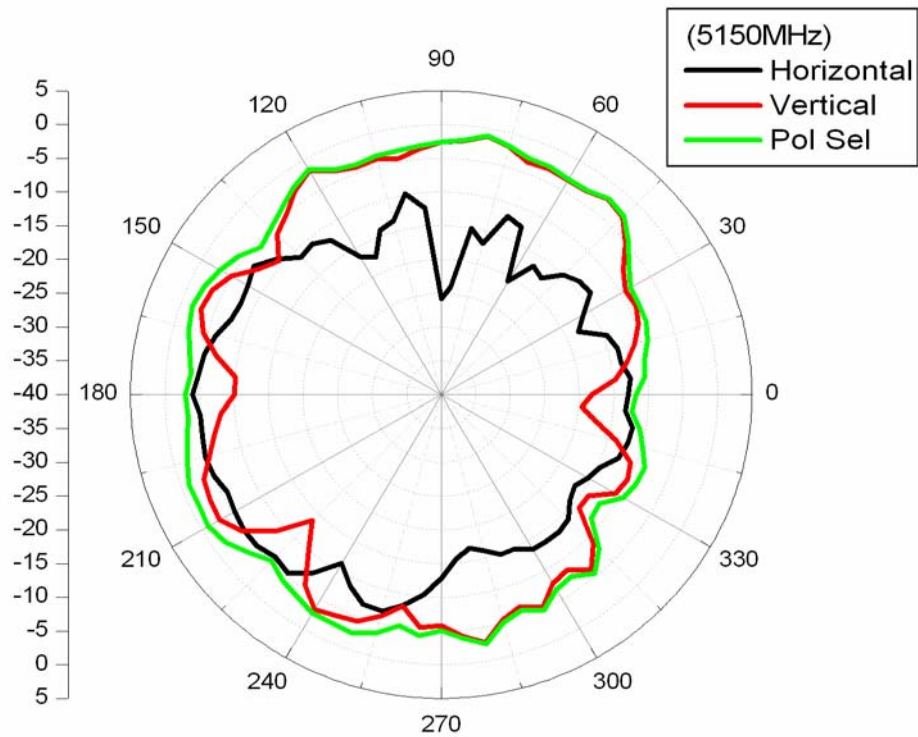
Auxiliary antenna: 2500 MHz



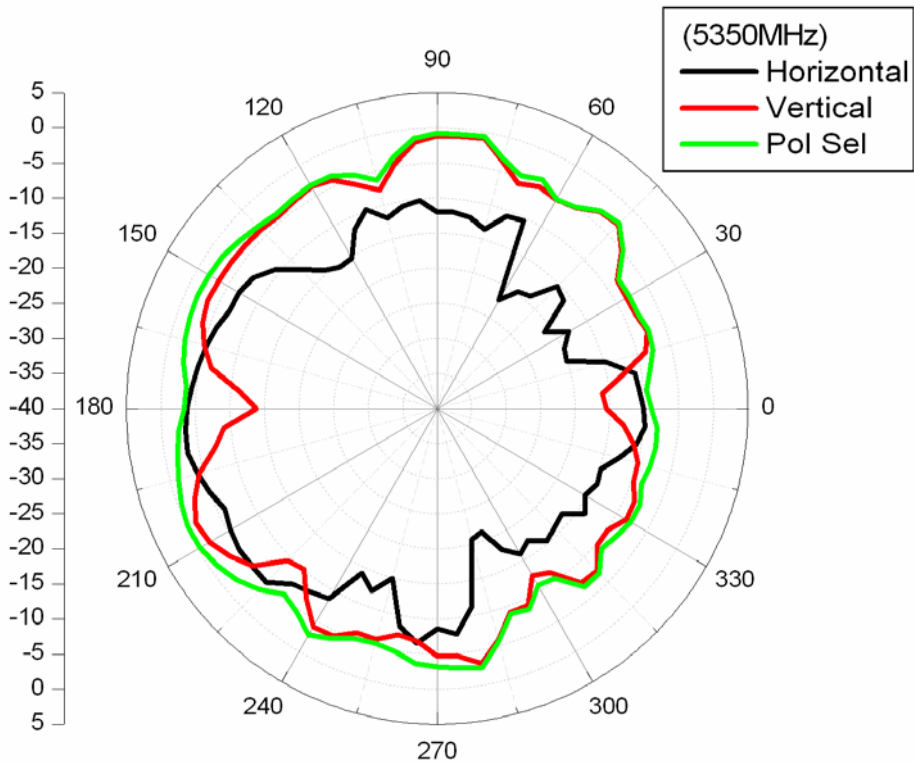
|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 2500 MHz | Center Frequency         | 2500 MHz |
| Horizontal (dBi) peak | -1.98    | Horizontal (dBi) average | -7.21    |
| Vertical (dBi) peak   | -1.35    | Vertical (dBi) average   | -8.91    |
| H+V (dBi) peak        | 0.36     | H+V (dBi) average        | -4.97    |

5150-5850 MHz radiation characteristic

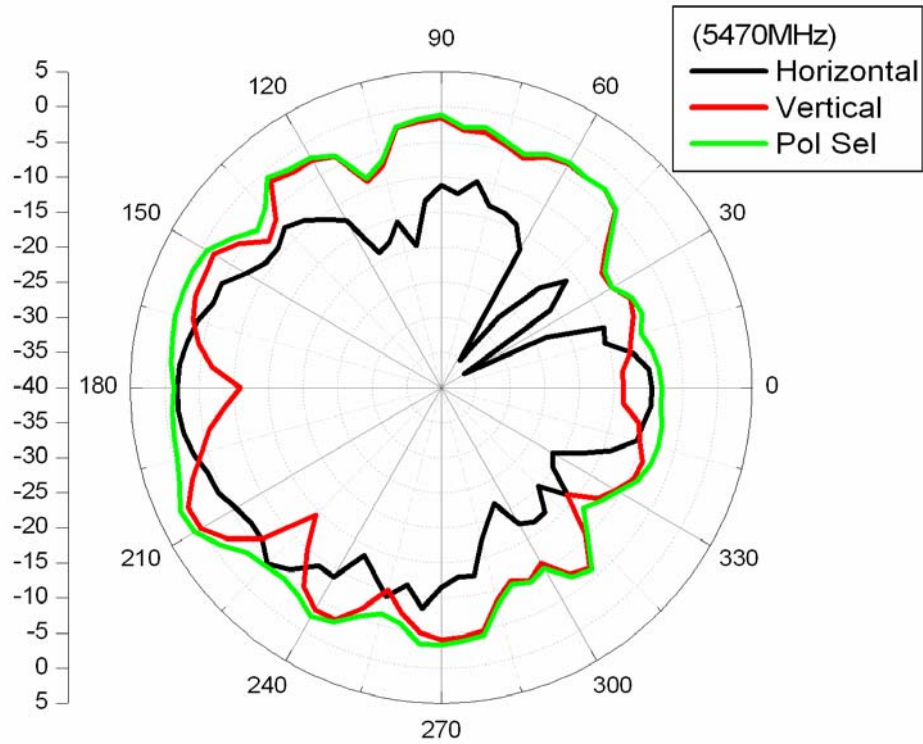
Main antenna: 5150 MHz



|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 5150 MHz | Center Frequency         | 5150 MHz |
| Horizontal (dBi) peak | -3.93    | Horizontal (dBi) average | -9.56    |
| Vertical (dBi) peak   | -1.22    | Vertical (dBi) average   | -5.43    |
| H+V (dBi) peak        | -1.04    | H+V (dBi) average        | -4.01    |

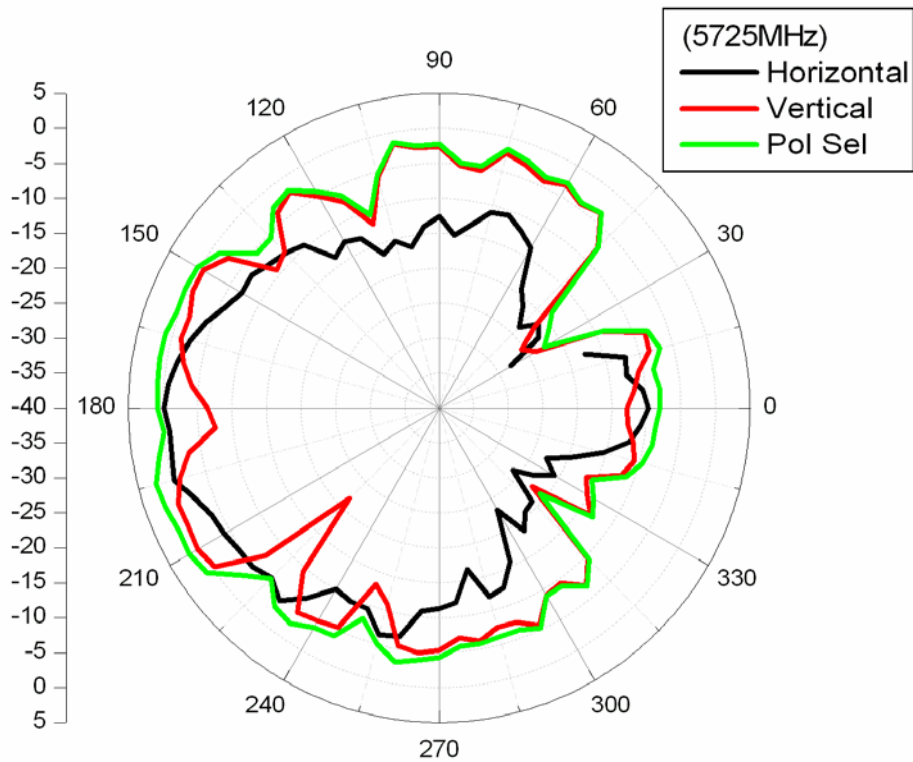


|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 5350 MHz | Center Frequency         | 5350 MHz |
| Horizontal (dBi) peak | -3.29    | Horizontal (dBi) average | -9.15    |
| Vertical (dBi) peak   | -0.90    | Vertical (dBi) average   | -5.93    |
| H+V (dBi) peak        | -0.14    | H+V (dBi) average        | -3.87    |



|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 5470 MHz | Center Frequency         | 5470 MHz |
| Horizontal (dBi) peak | -1.77    | Horizontal (dBi) average | -8.61    |
| Vertical (dBi) peak   | 0.42     | Vertical (dBi) average   | -5.15    |
| H+V (dBi) peak        | 1.64     | H+V (dBi) average        | -3.53    |





|                       |          |                          |          |
|-----------------------|----------|--------------------------|----------|
| Center Frequency      | 5725 MHz | Center Frequency         | 5725 MHz |
| Horizontal (dBi) peak | -0.12    | Horizontal (dBi) average | -7.58    |
| Vertical (dBi) peak   | 0.44     | Vertical (dBi) average   | -5.01    |
| H+V (dBi) peak        | 2.36     | H+V (dBi) average        | -3.10    |