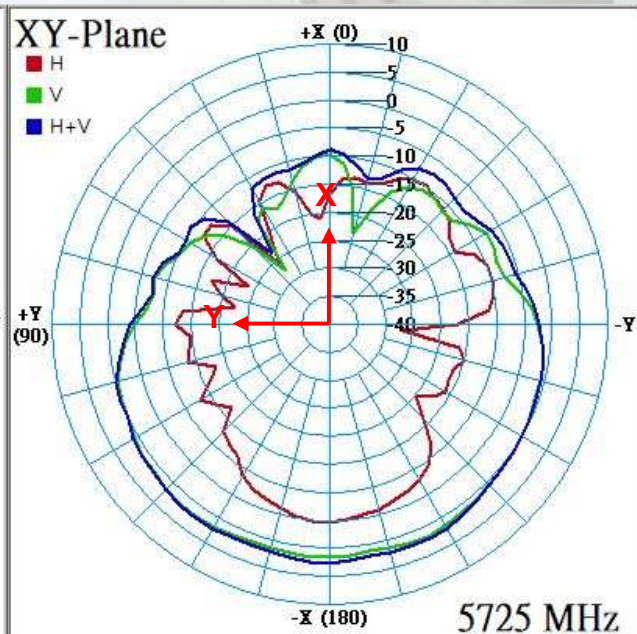
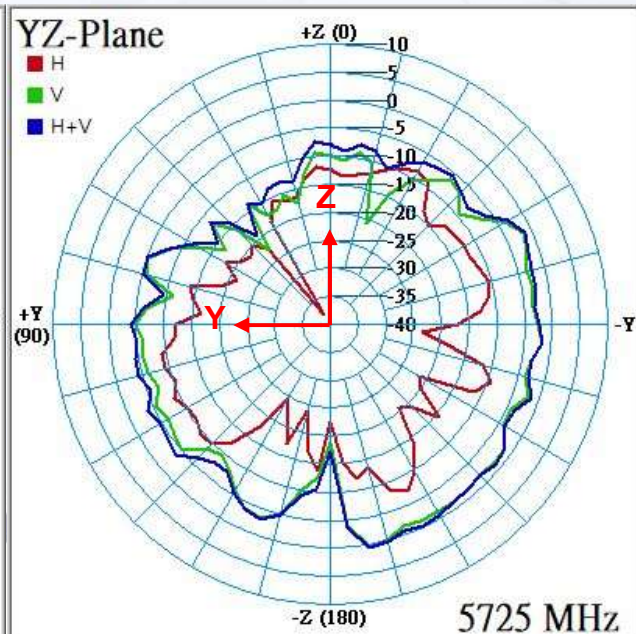
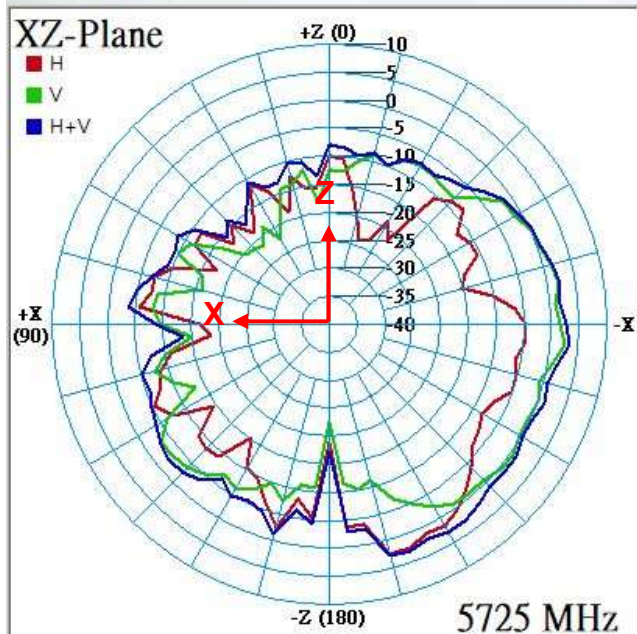
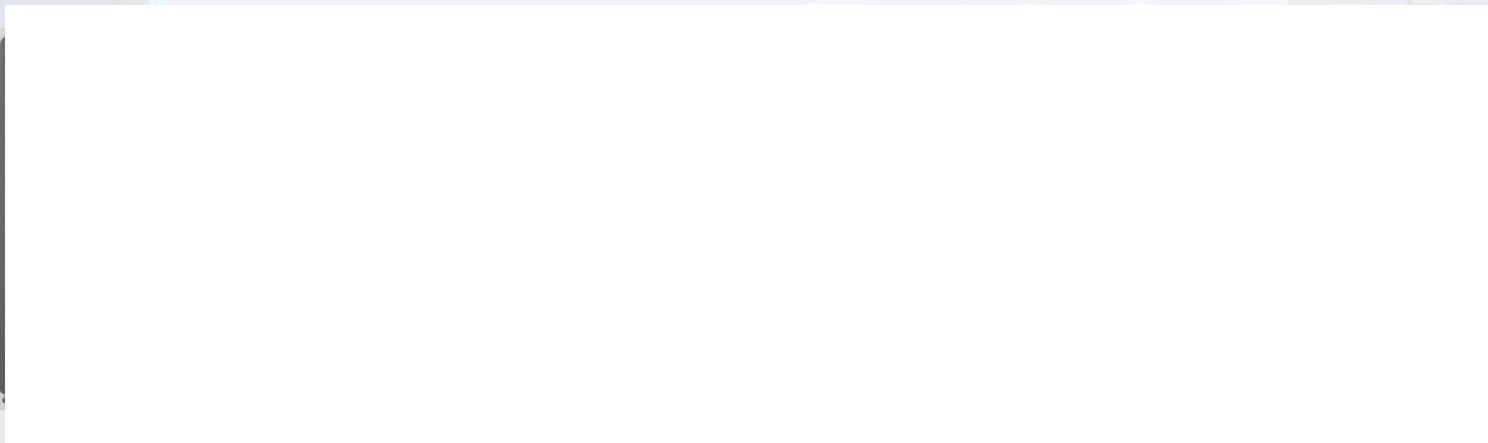


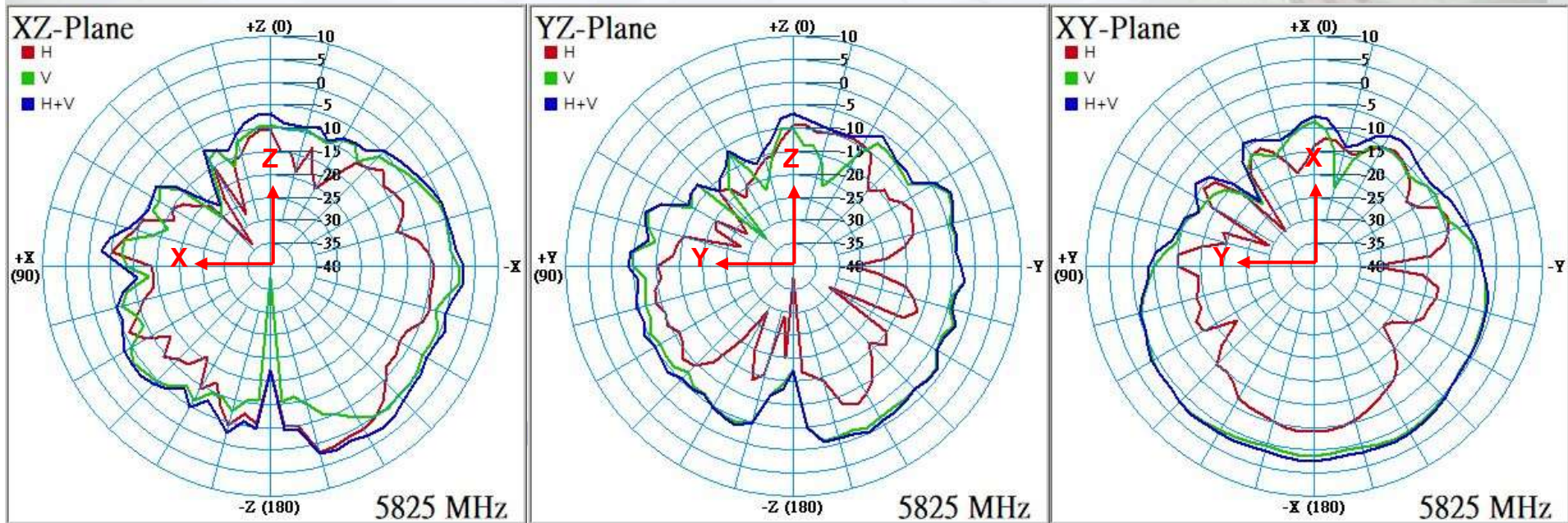
# 2D Radiation Pattern Results

DB4 (5725 MHz)



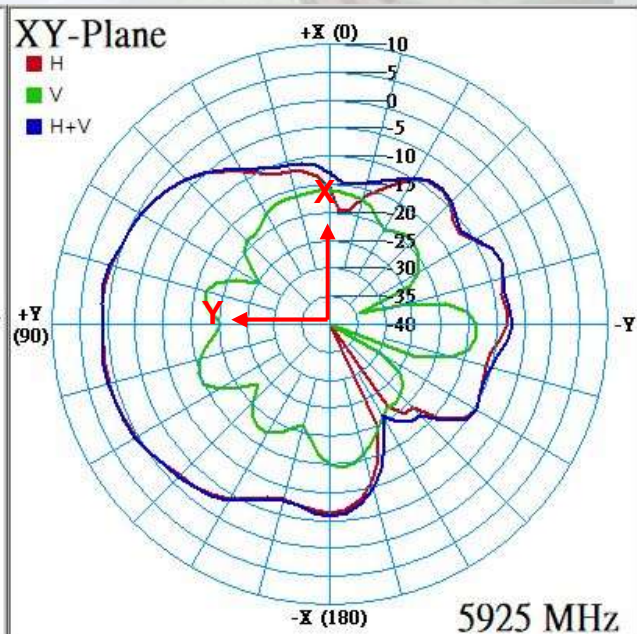
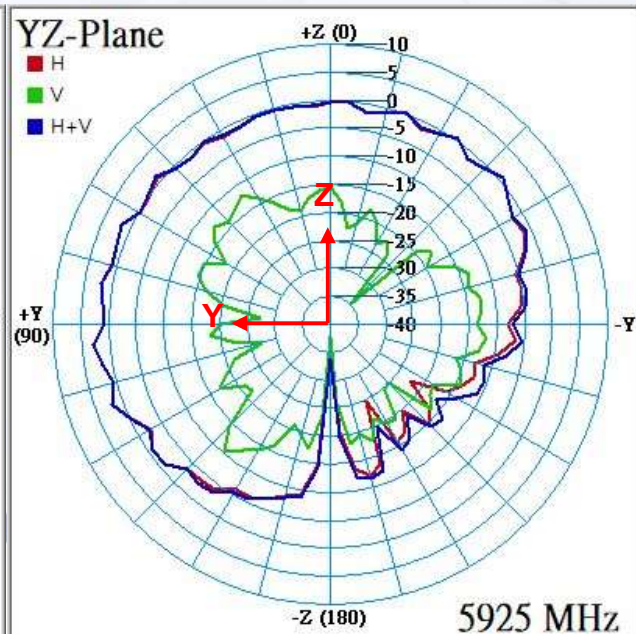
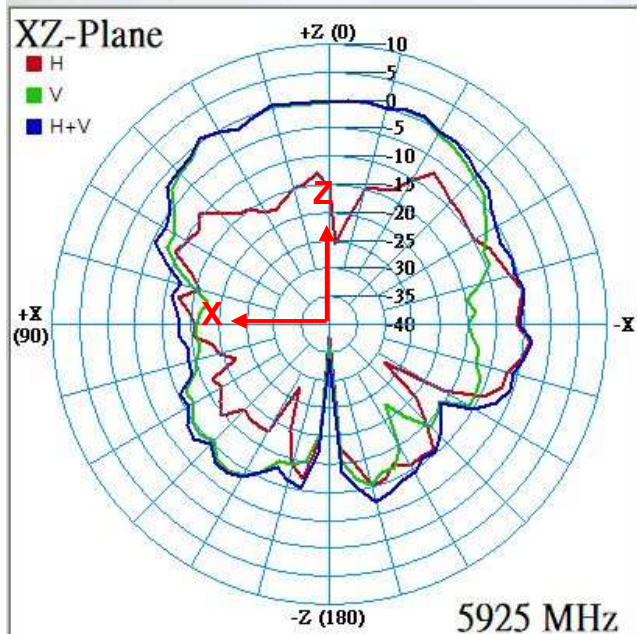
# 2D Radiation Pattern Results

DB4 (5825 MHz)



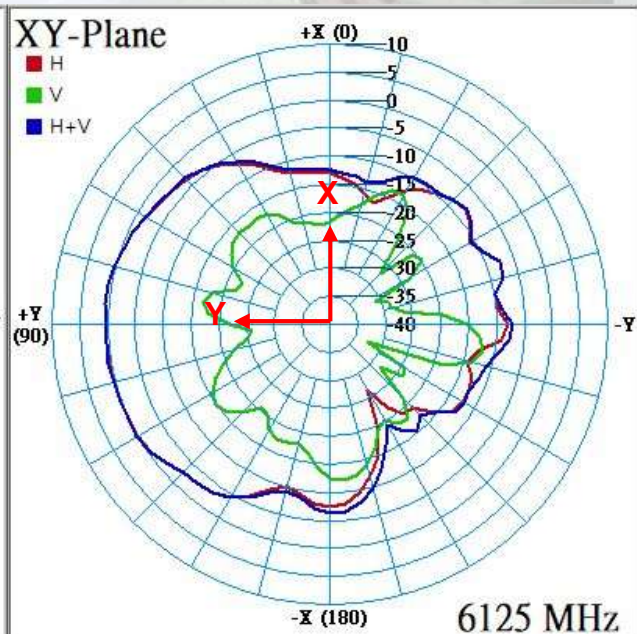
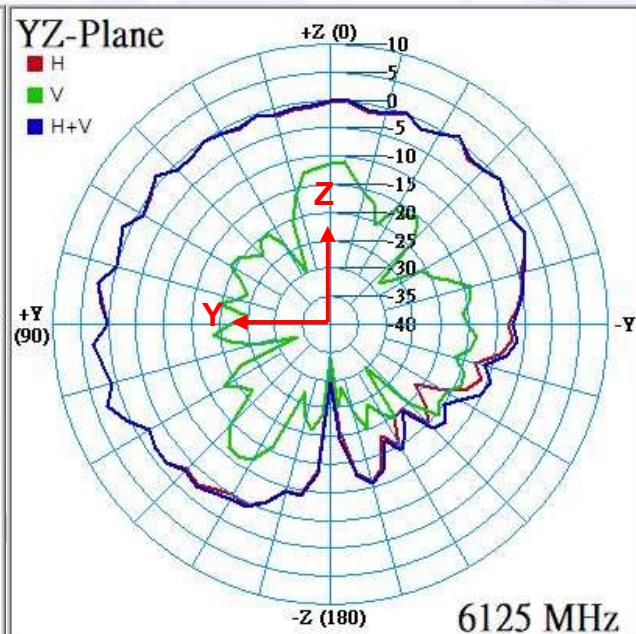
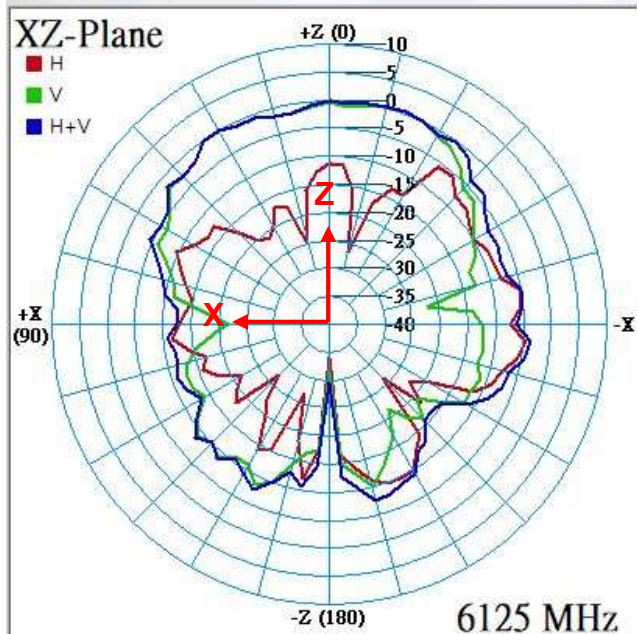
# 2D Radiation Pattern Results

6G5 (5925 MHz)



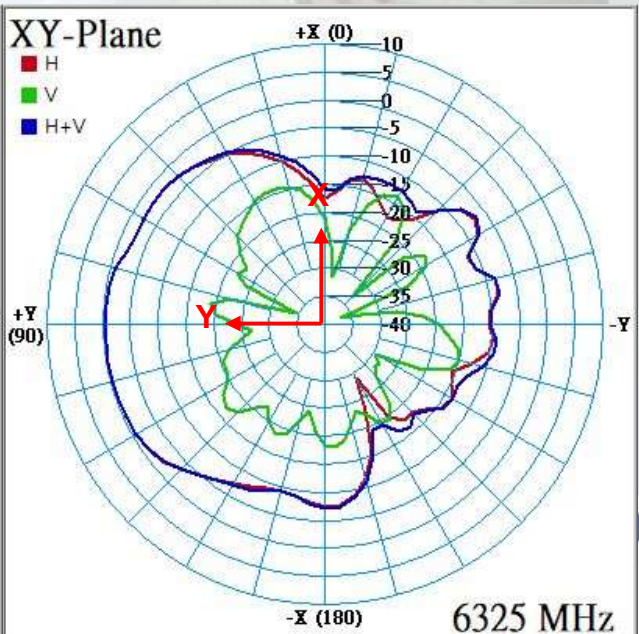
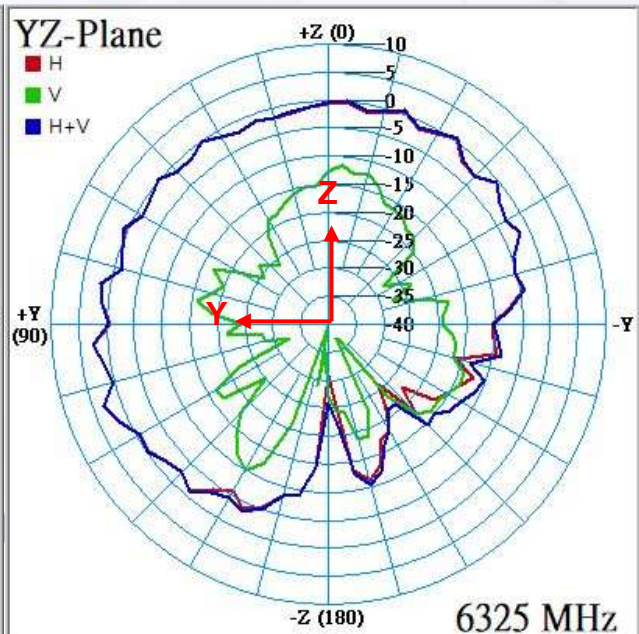
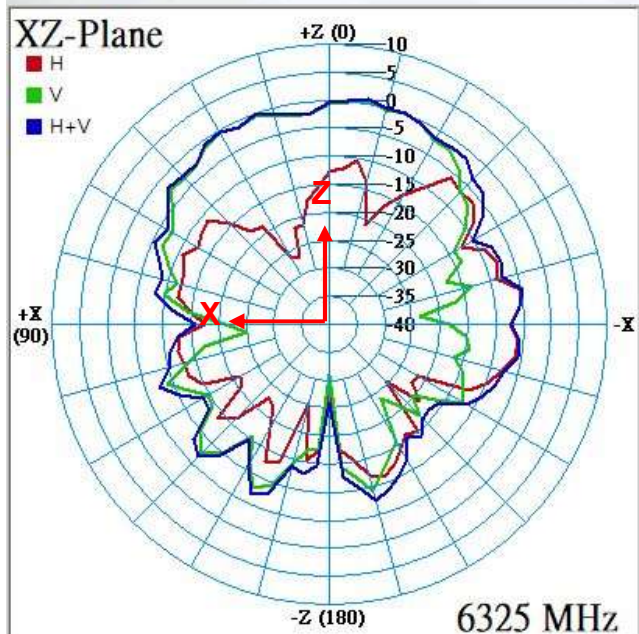
# 2D Radiation Pattern Results

6G5 (6125 MHz)



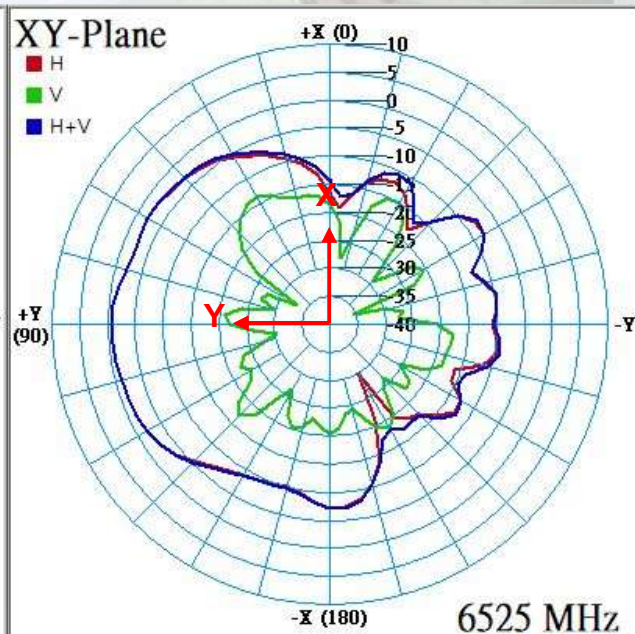
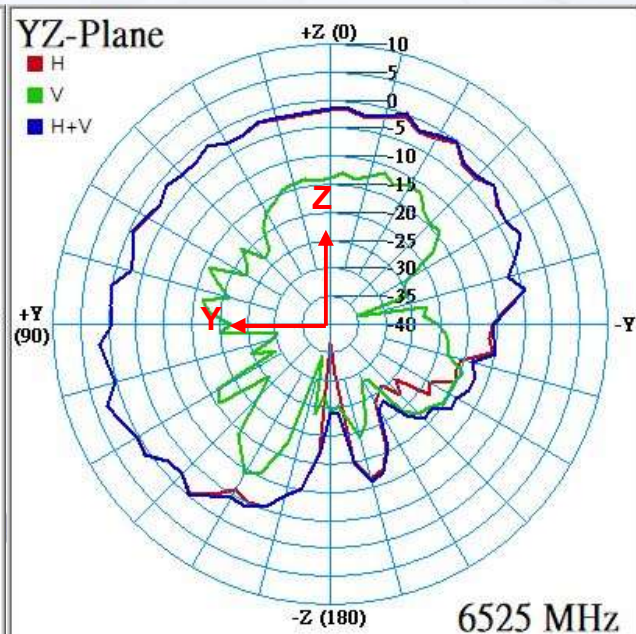
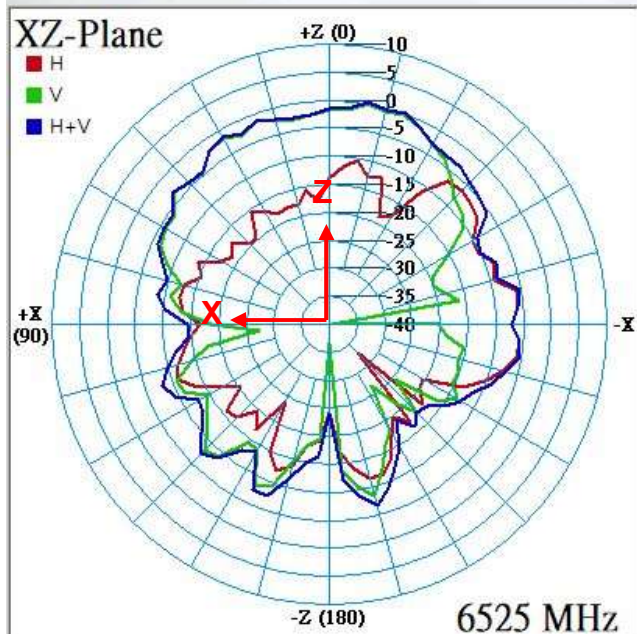
# 2D Radiation Pattern Results

6G5 (6325 MHz)



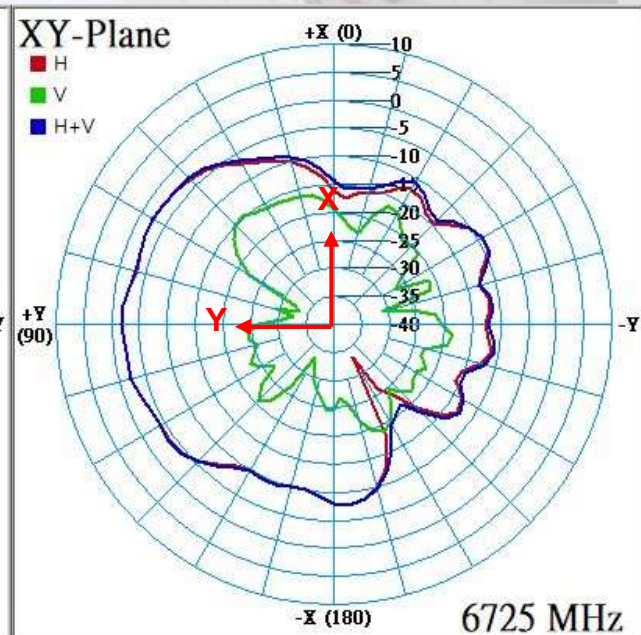
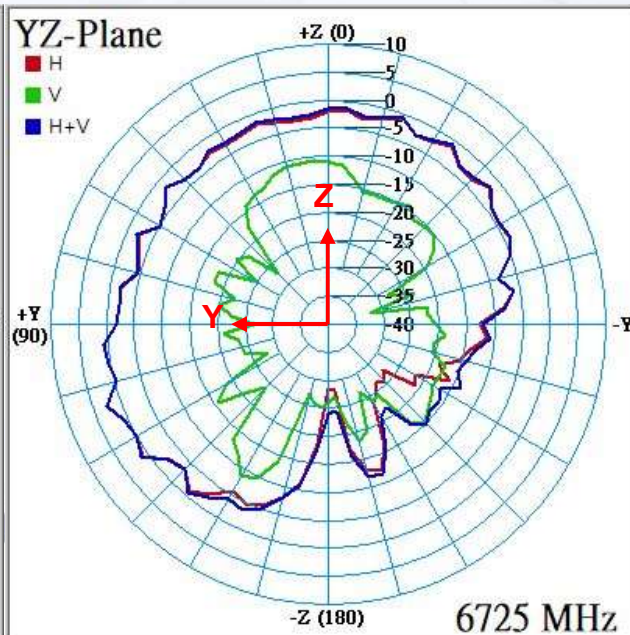
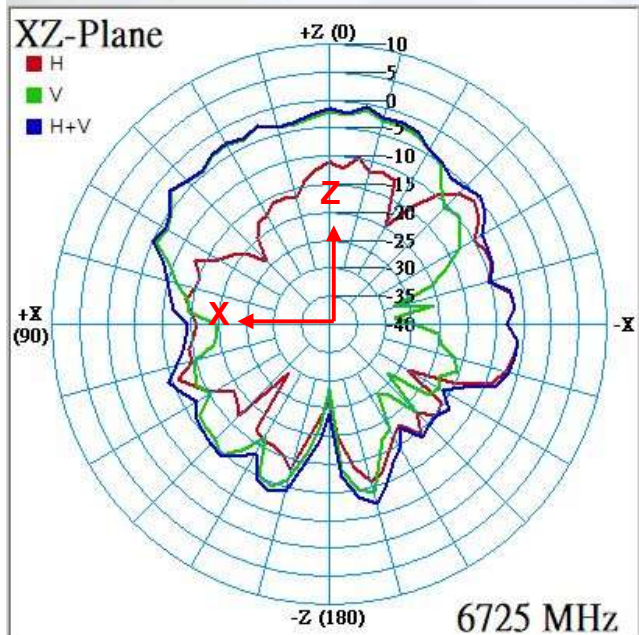
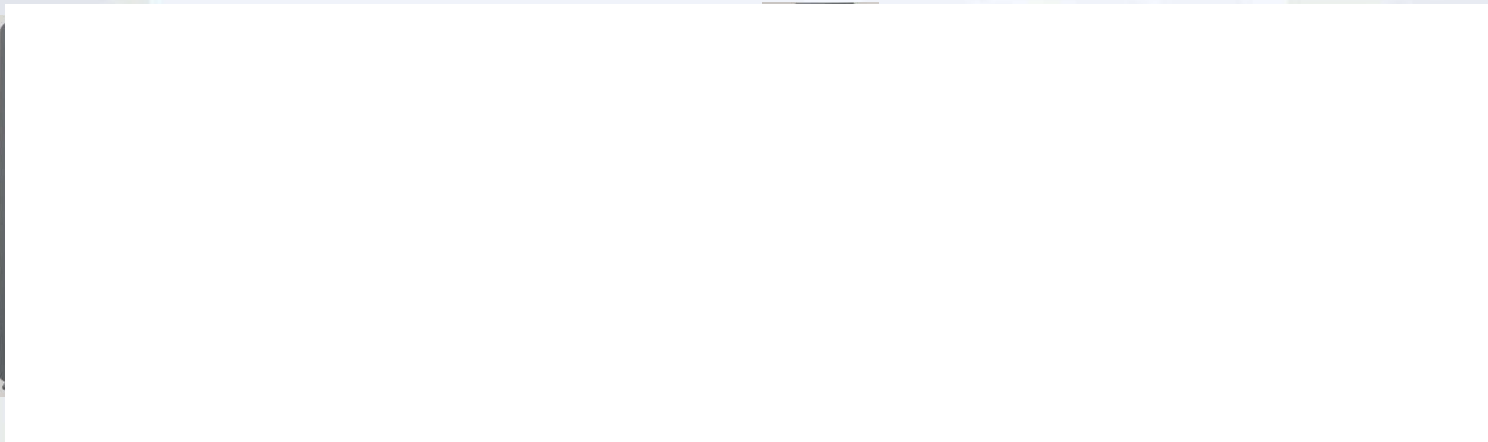
# 2D Radiation Pattern Results

6G5 (6525 MHz)



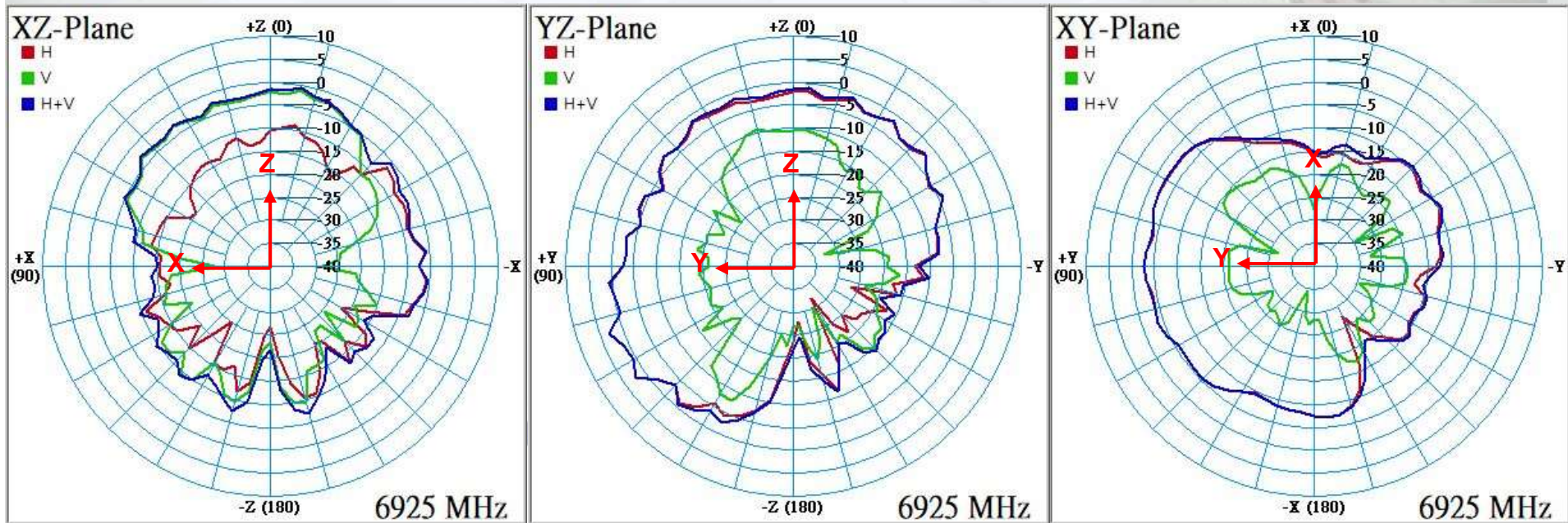
# 2D Radiation Pattern Results

6G5 (6725 MHz)



# 2D Radiation Pattern Results

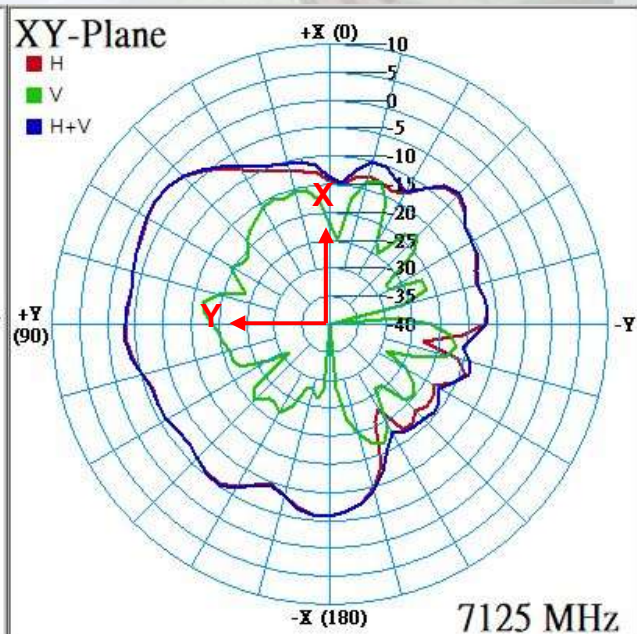
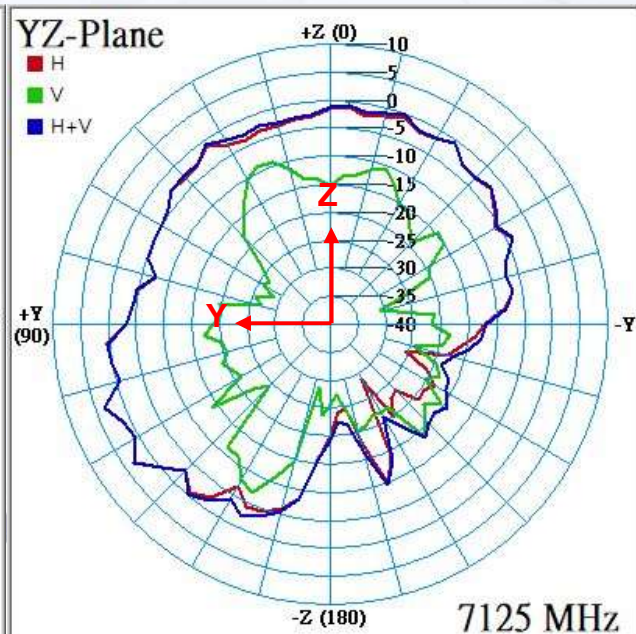
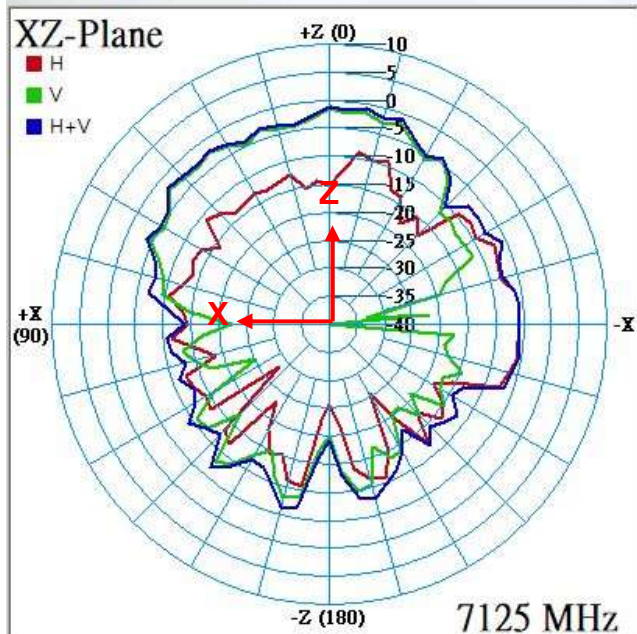
6G5 (6925 MHz)





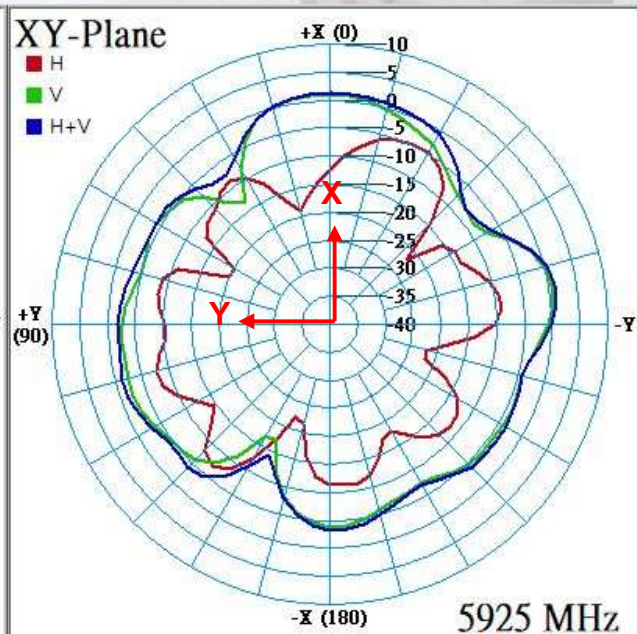
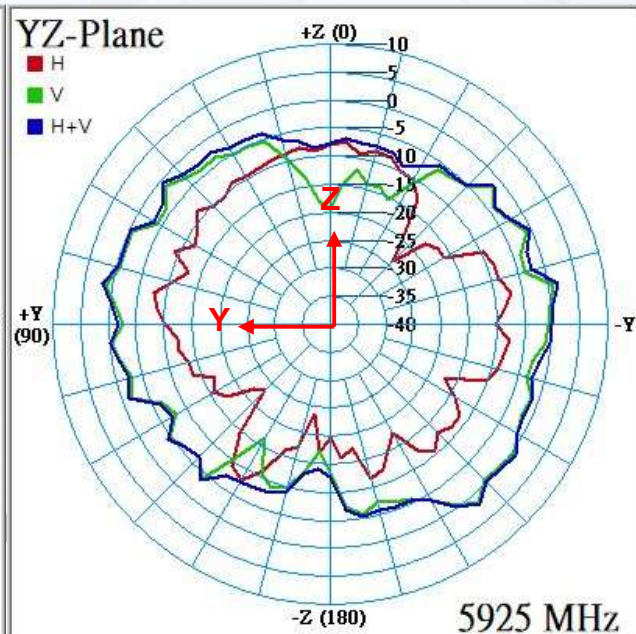
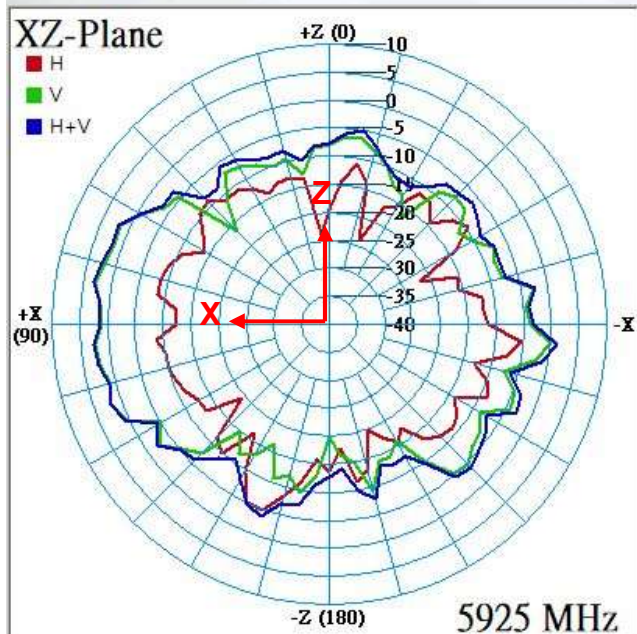
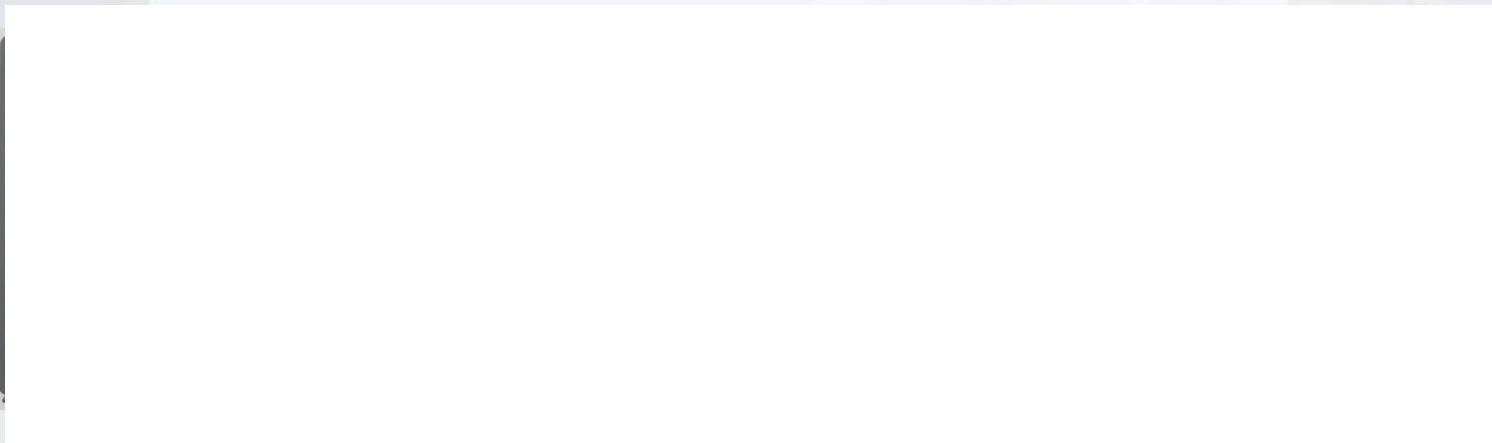
# 2D Radiation Pattern Results

6G5 (7125 MHz)



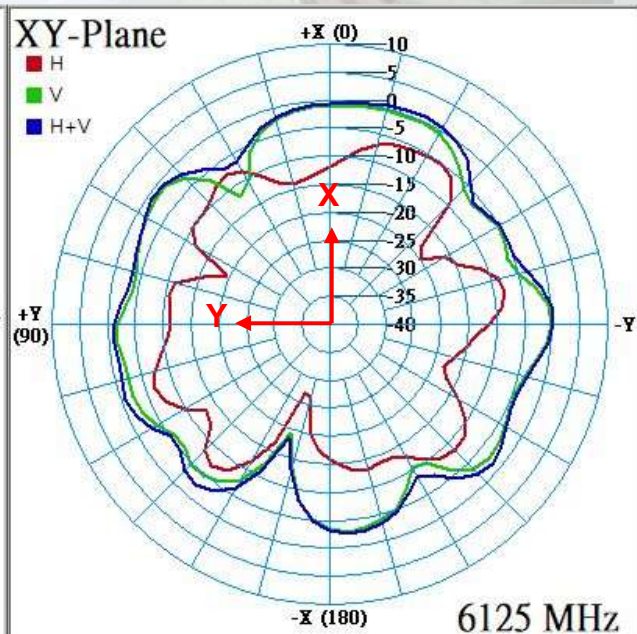
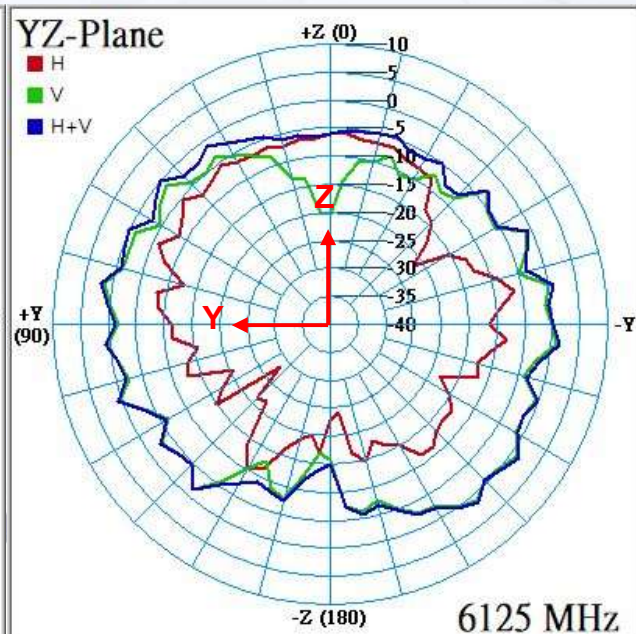
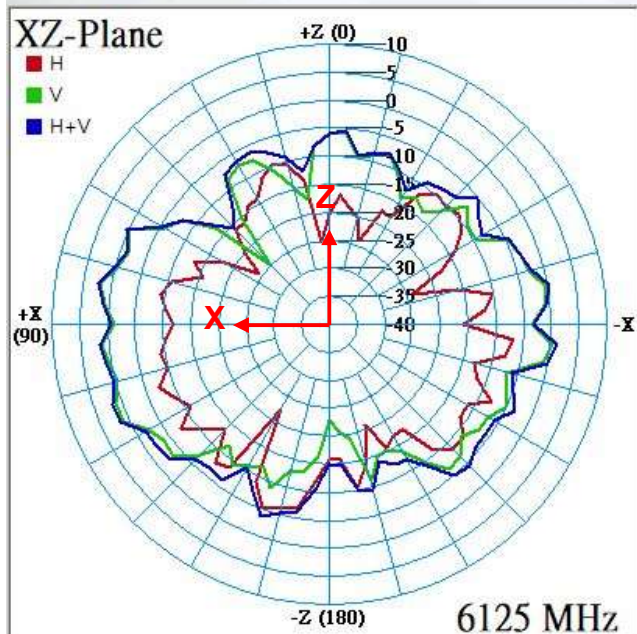
# 2D Radiation Pattern Results

6G6 (5925 MHz)



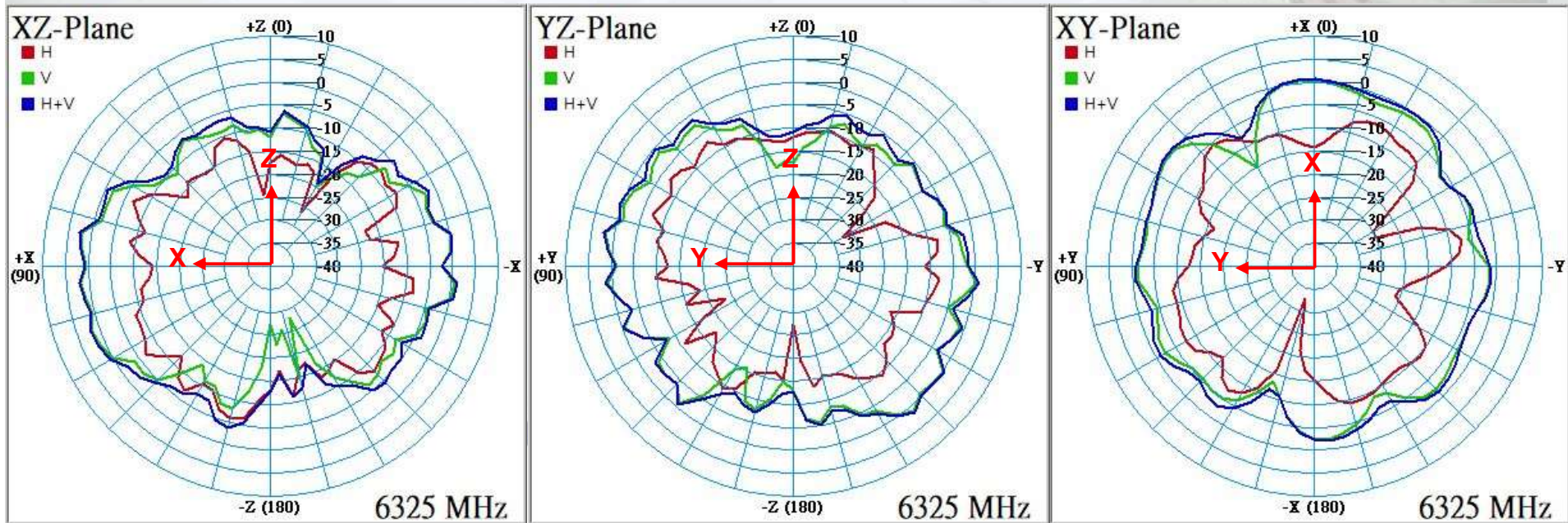
# 2D Radiation Pattern Results

6G6 (6125 MHz)



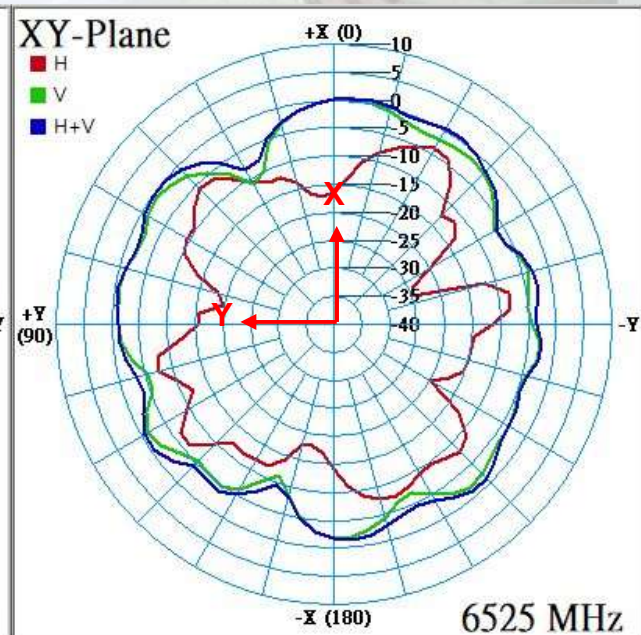
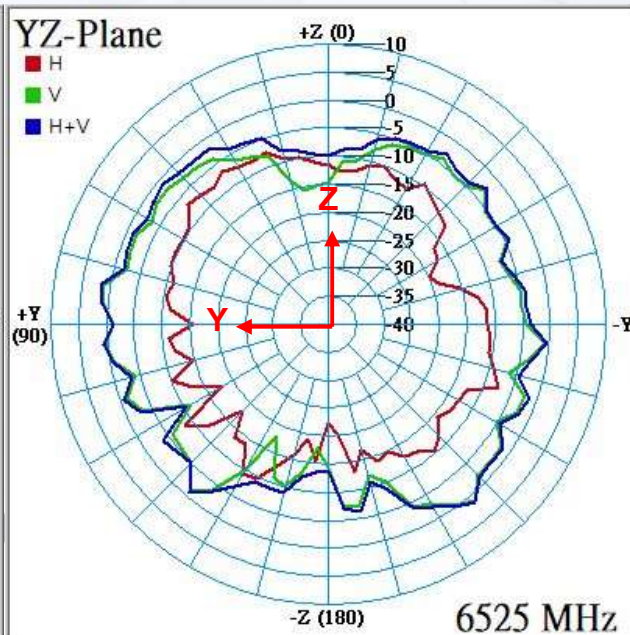
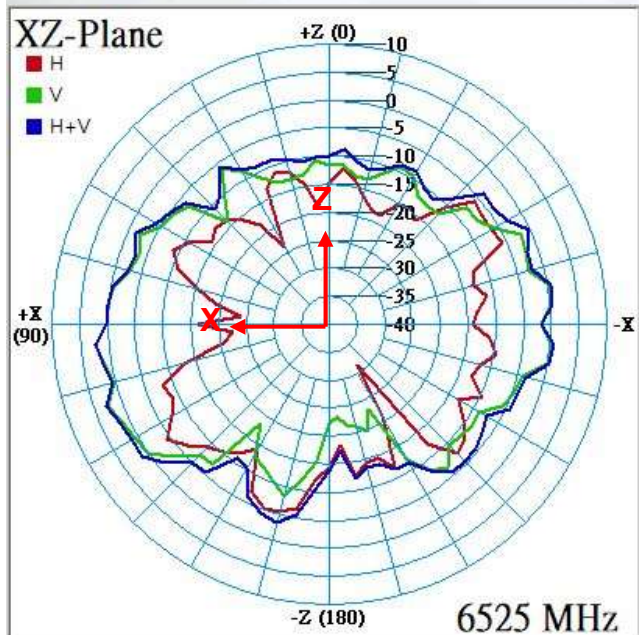
# 2D Radiation Pattern Results

6G6 (6325 MHz)



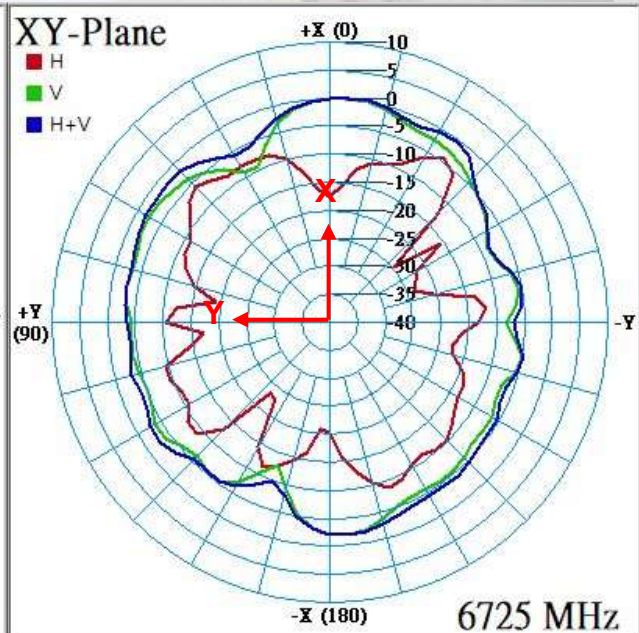
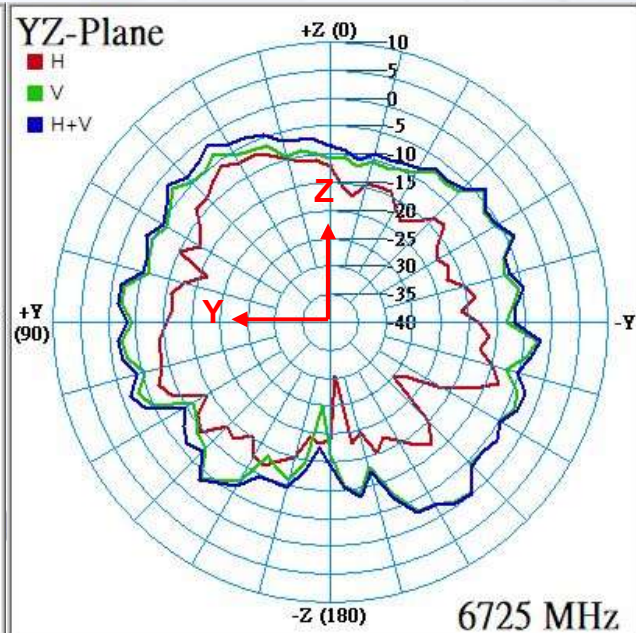
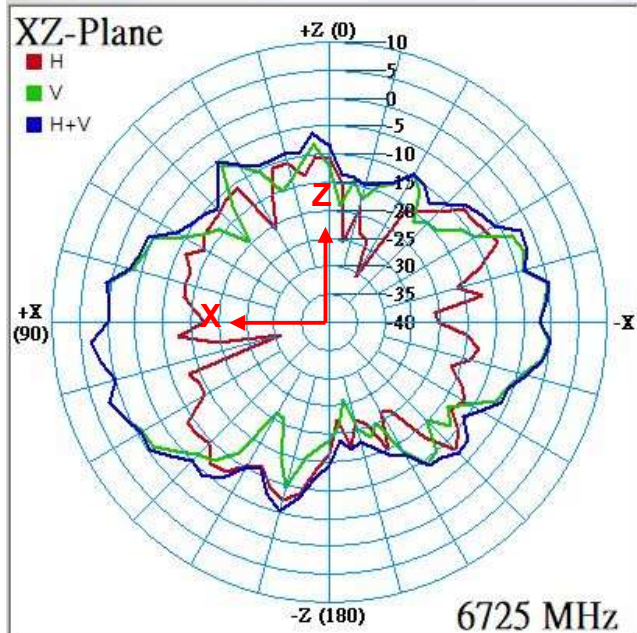
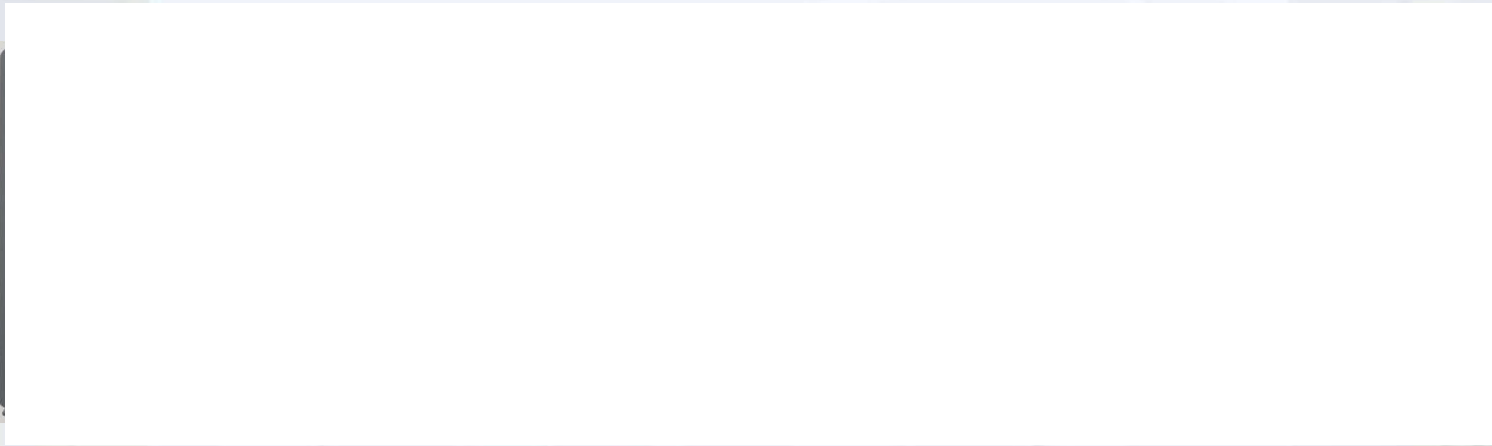
# 2D Radiation Pattern Results

6G6 (6525 MHz)



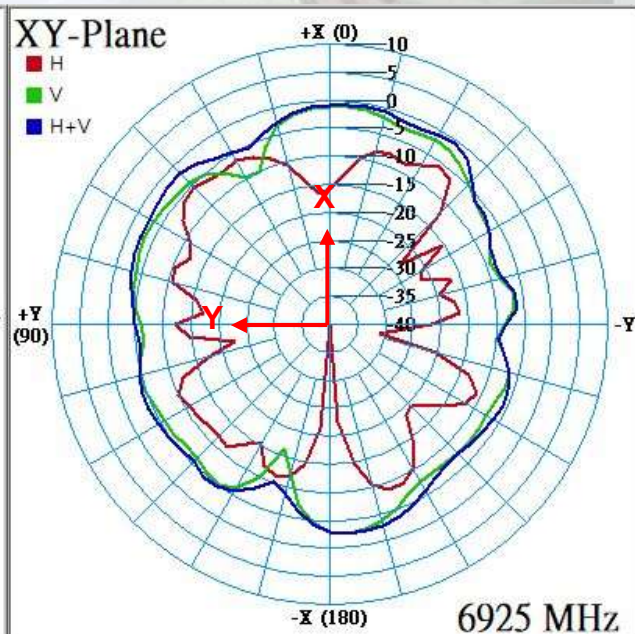
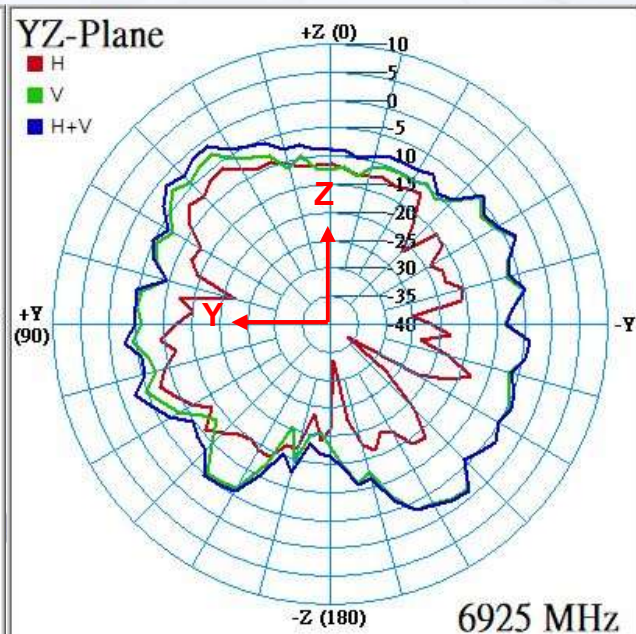
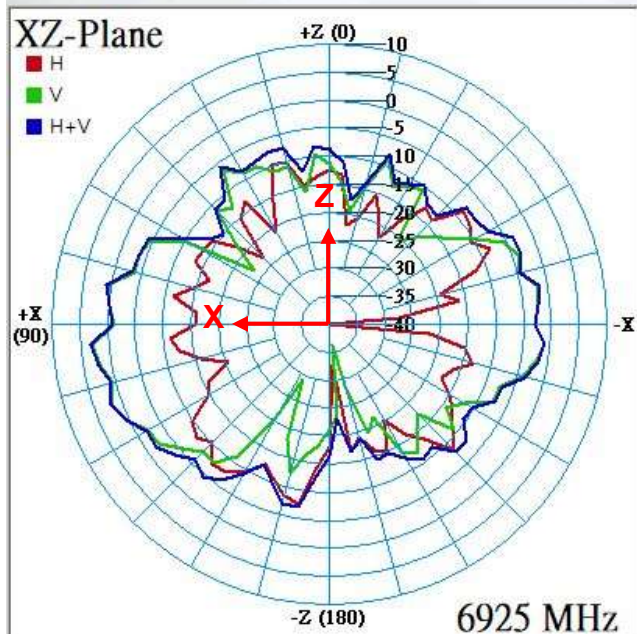
# 2D Radiation Pattern Results

6G6 (6725 MHz)



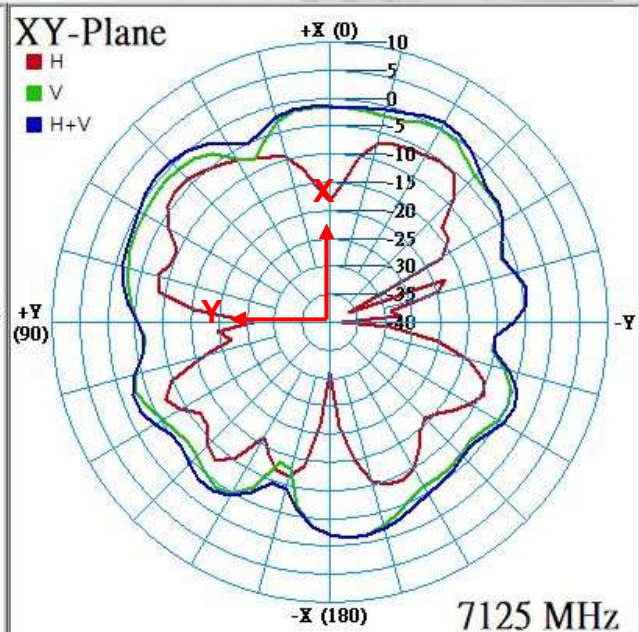
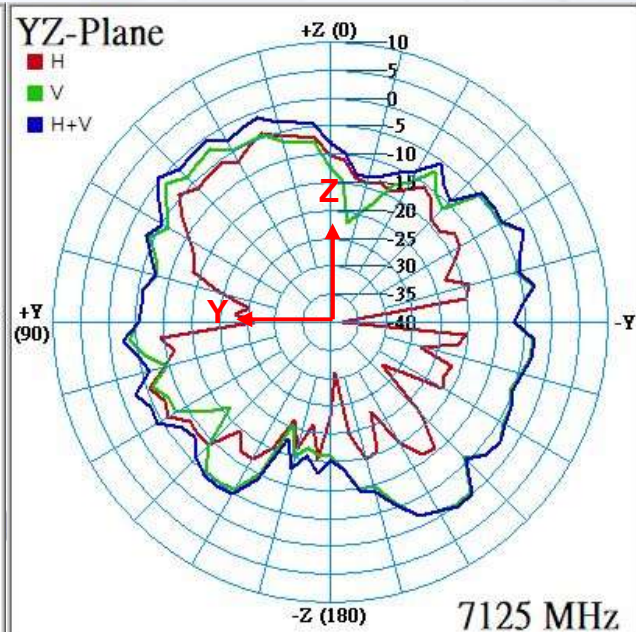
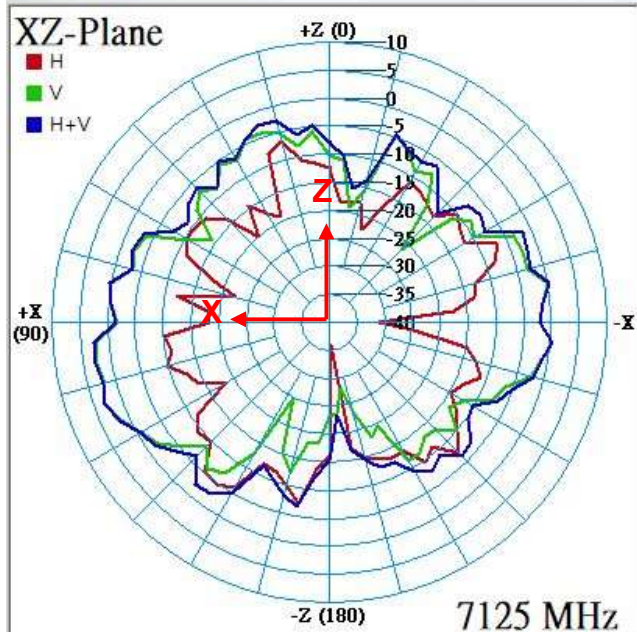
# 2D Radiation Pattern Results

6G6 (6925 MHz)



# 2D Radiation Pattern Results

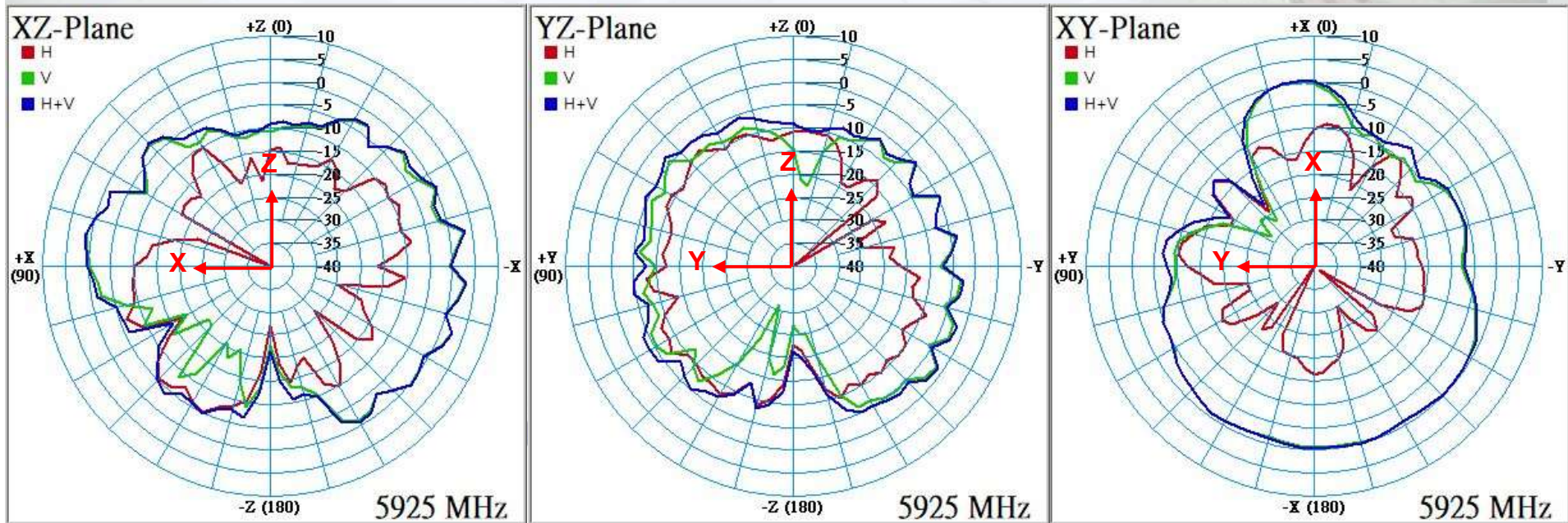
6G6 (7125 MHz)





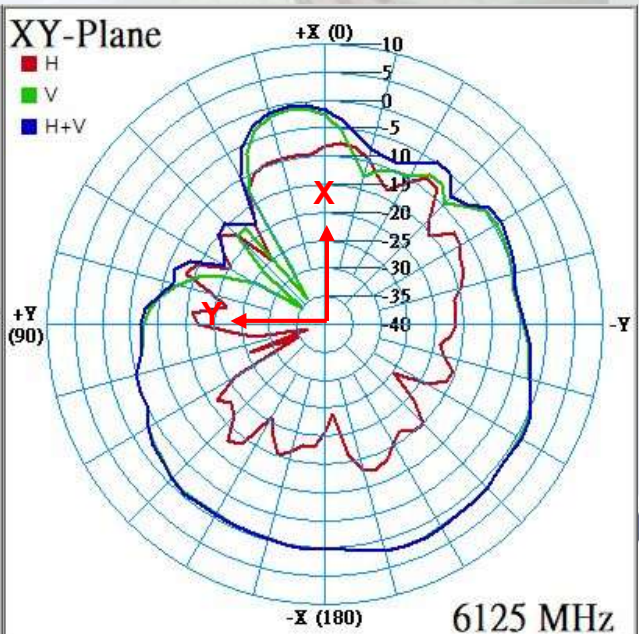
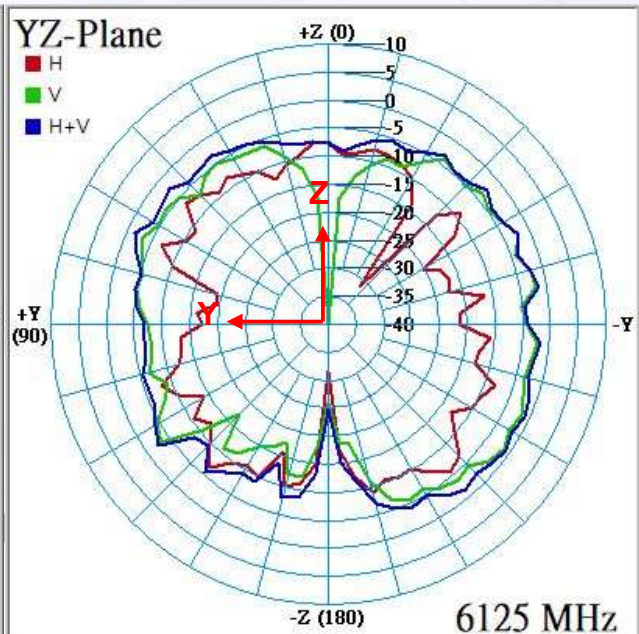
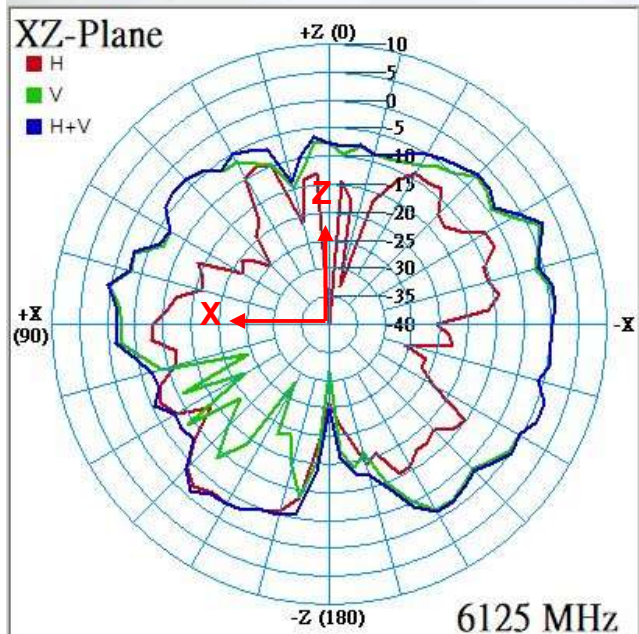
# 2D Radiation Pattern Results

6G7 (5925 MHz)



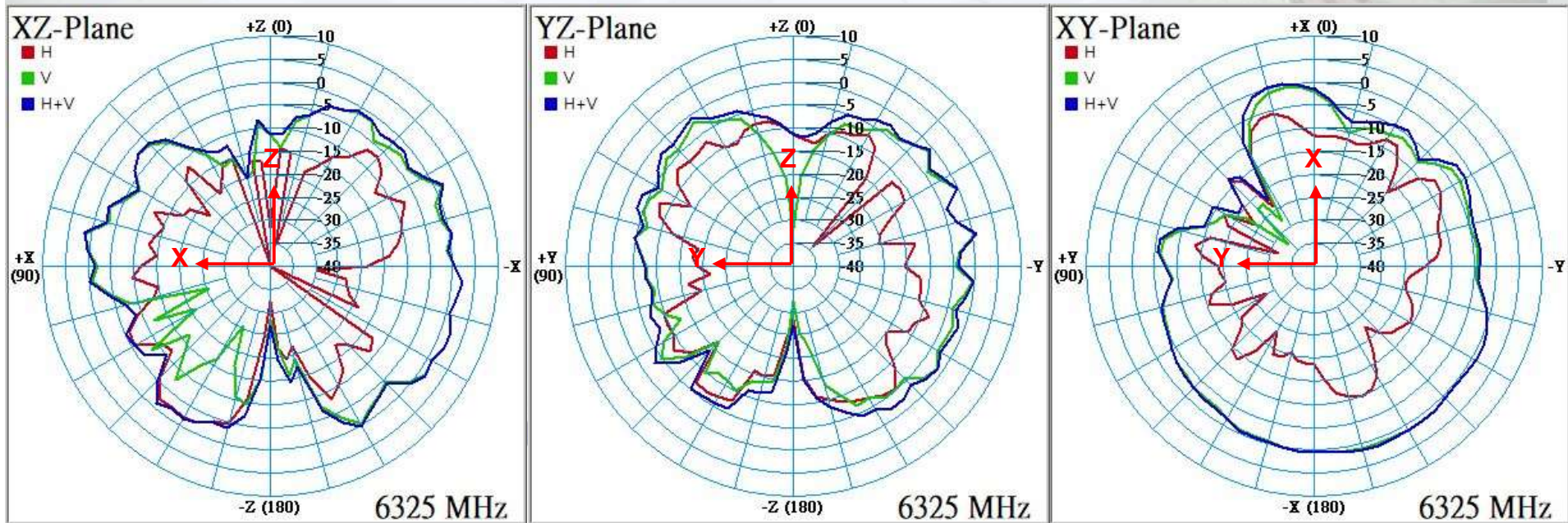
# 2D Radiation Pattern Results

6G7 (6125 MHz)



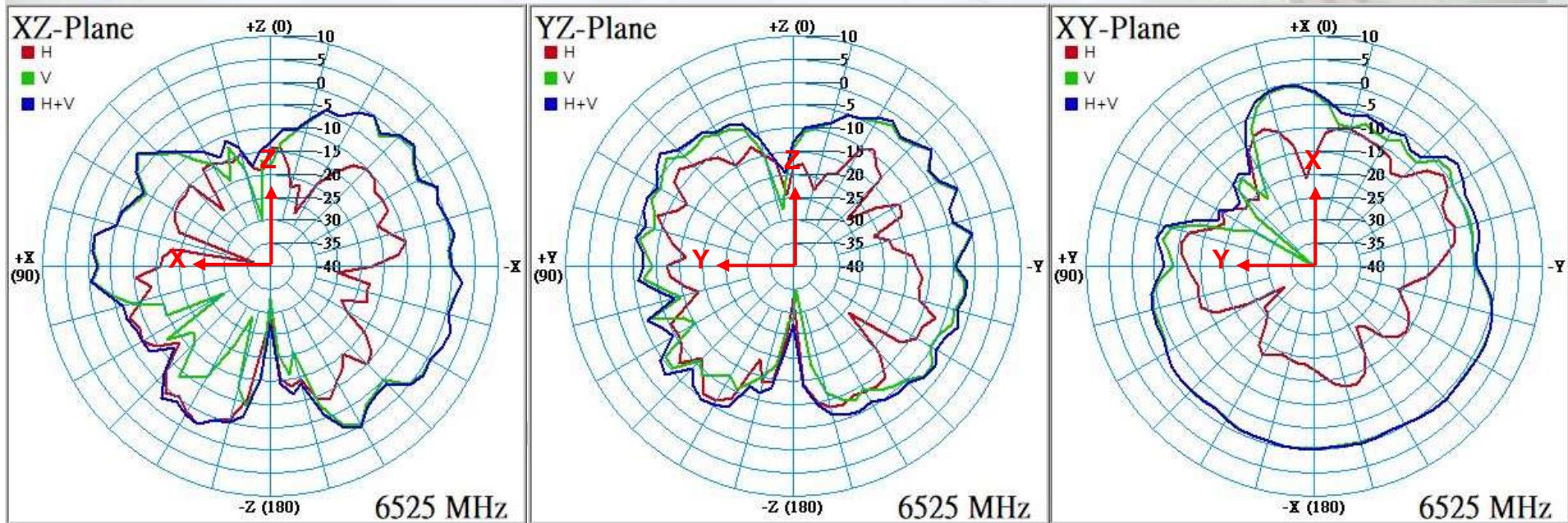
# 2D Radiation Pattern Results

6G7 (6325 MHz)



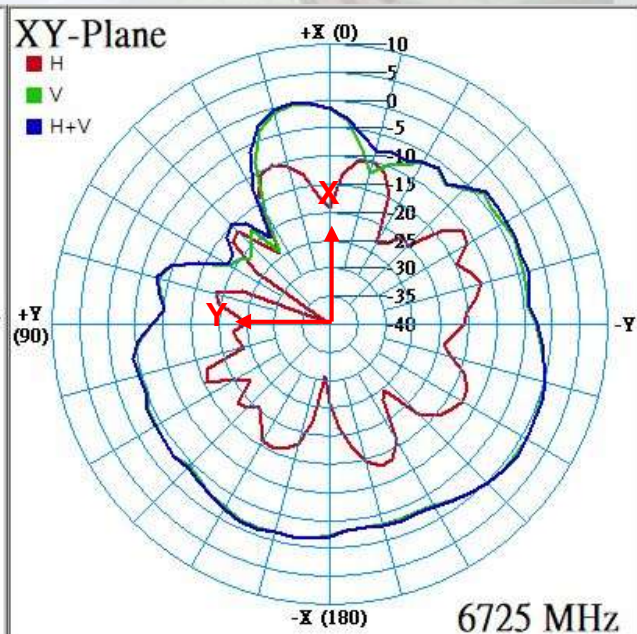
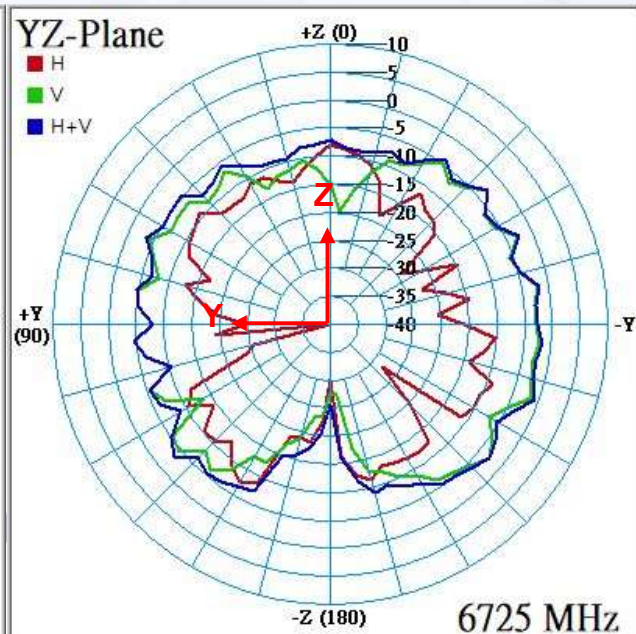
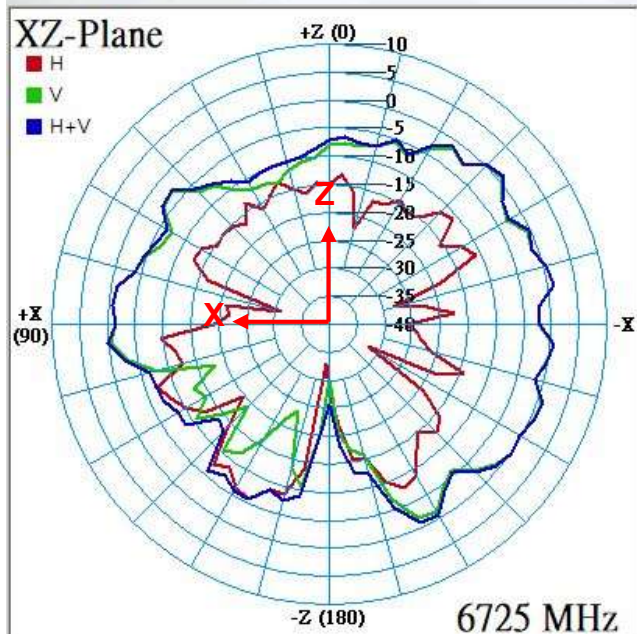
# 2D Radiation Pattern Results

6G7 (6525 MHz)



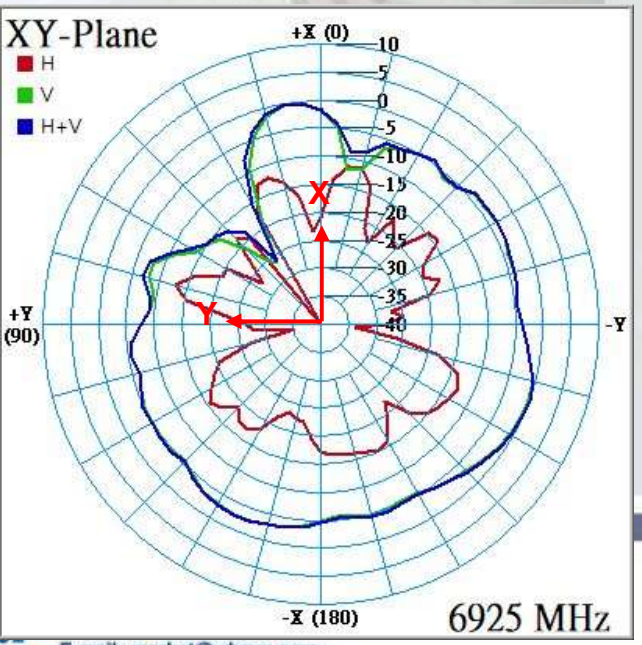
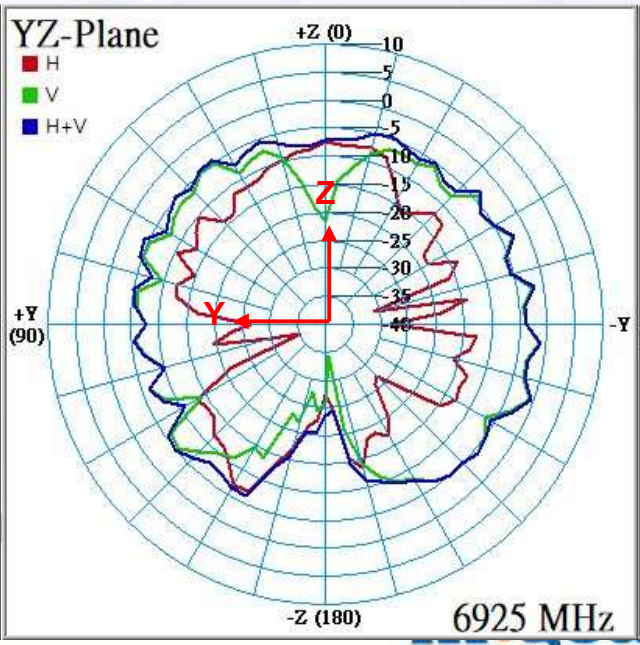
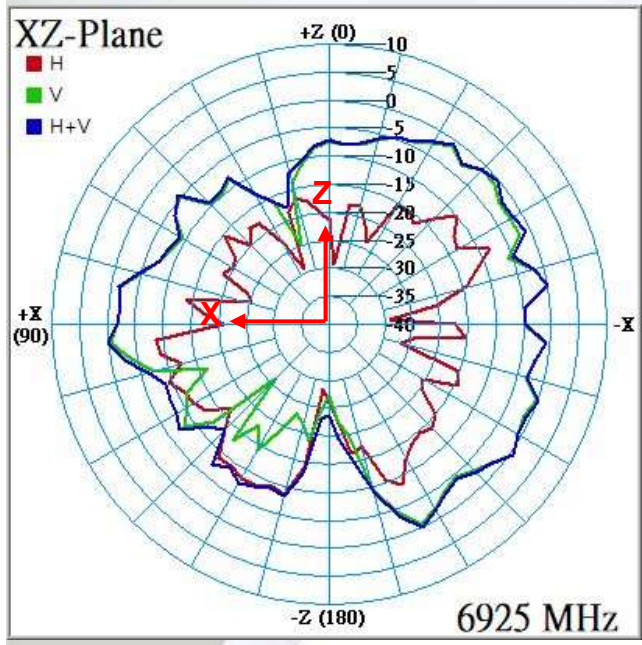
# 2D Radiation Pattern Results

6G7 (6725 MHz)



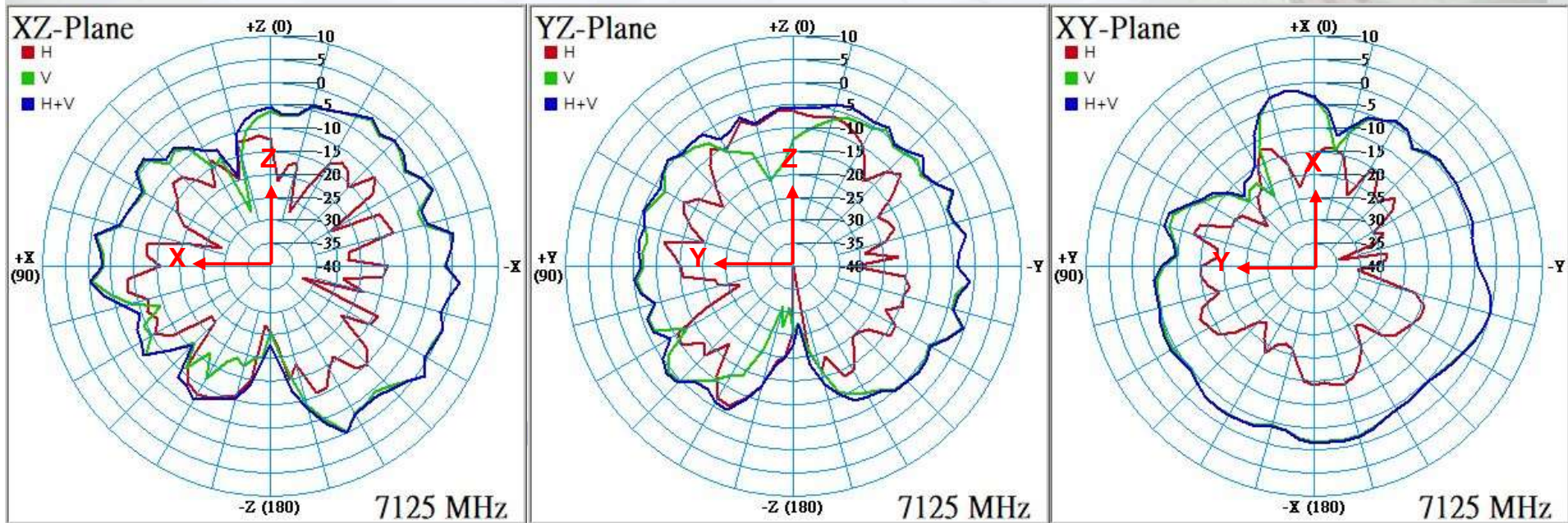
# 2D Radiation Pattern Results

6G7 (6925 MHz)



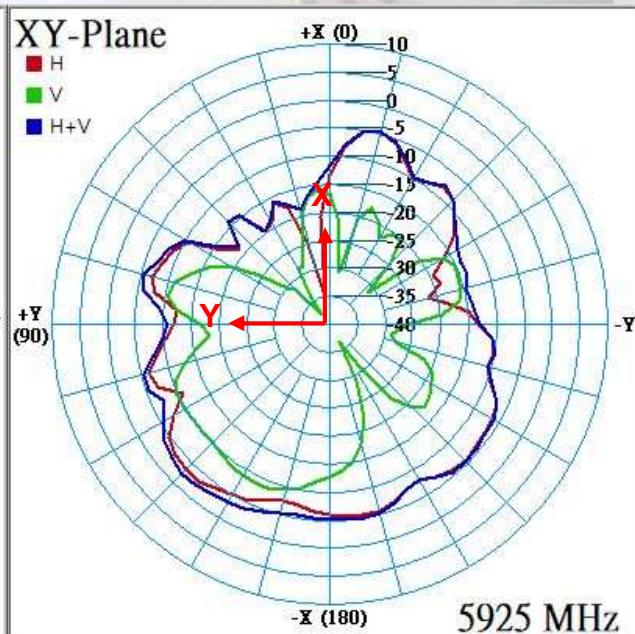
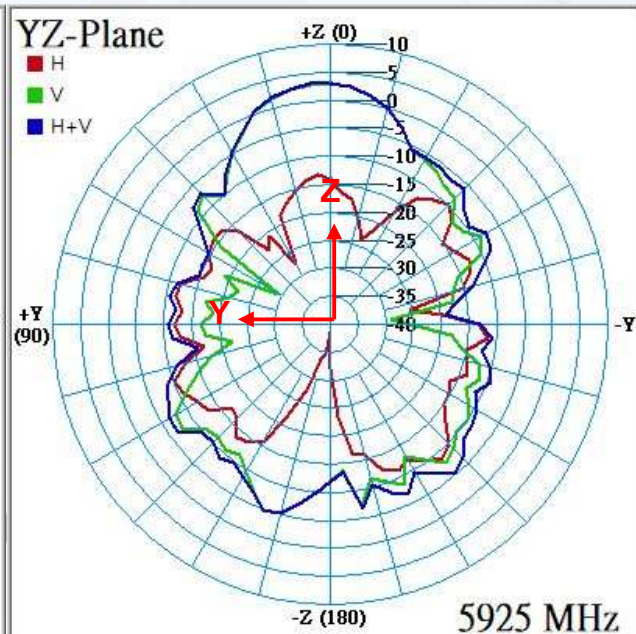
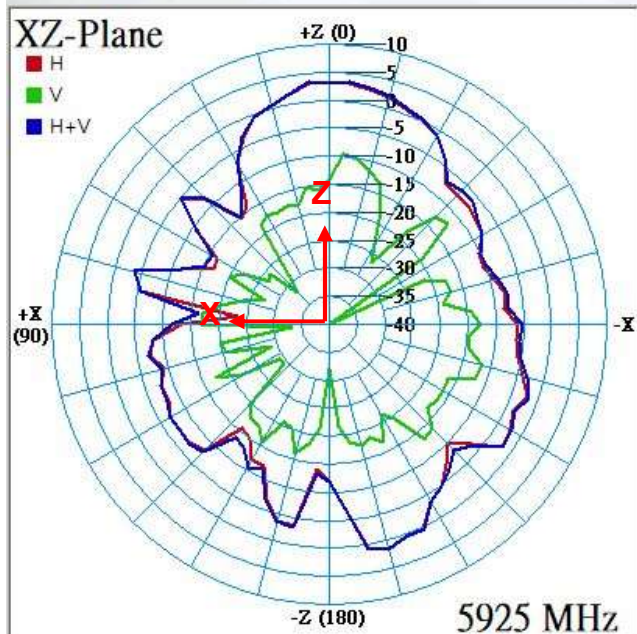
# 2D Radiation Pattern Results

6G7 (7125 MHz)



# 2D Radiation Pattern Results

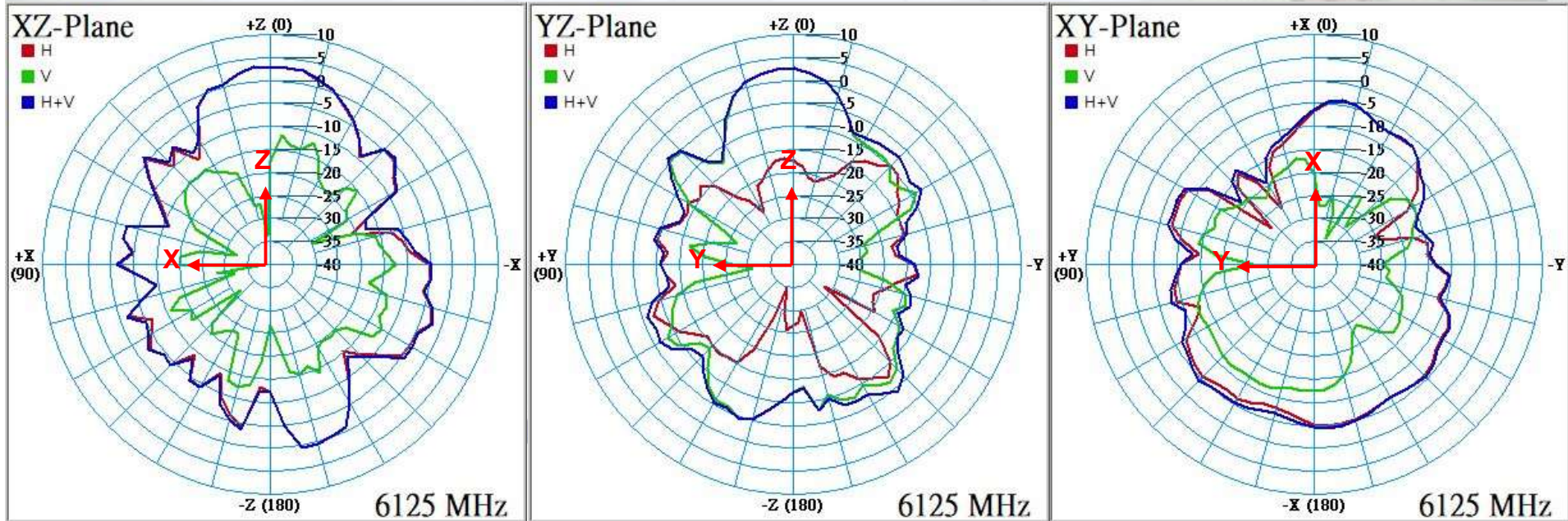
6G8 (5925 MHz)





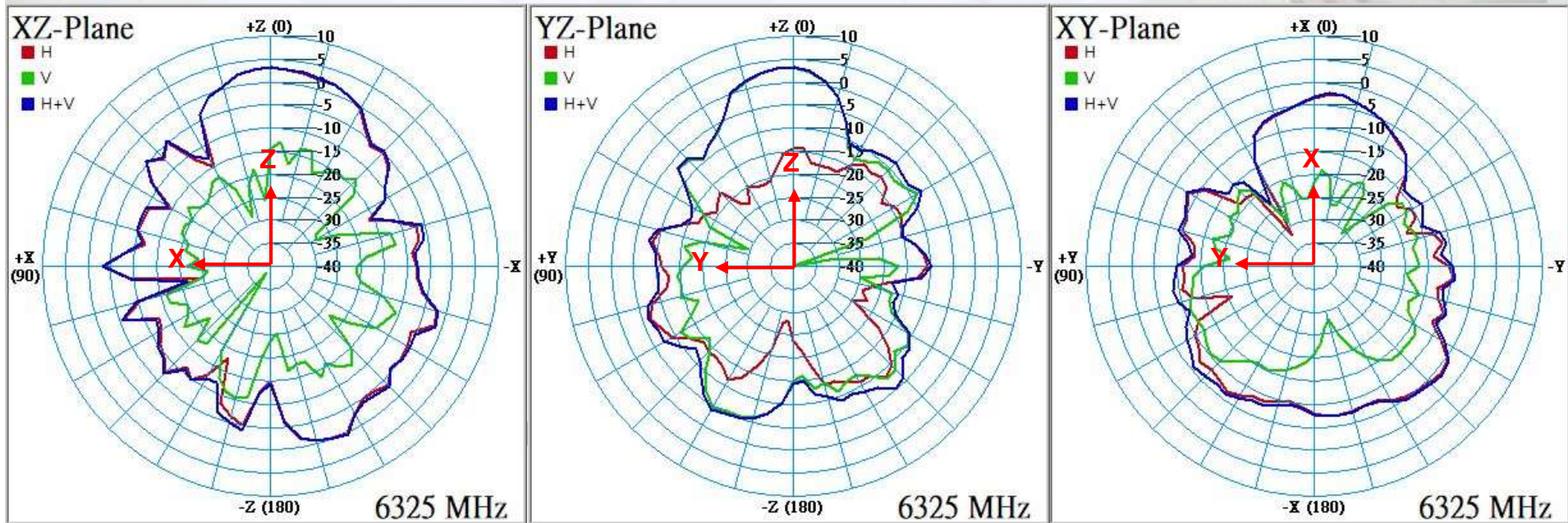
# 2D Radiation Pattern Results

6G8 (6125 MHz)



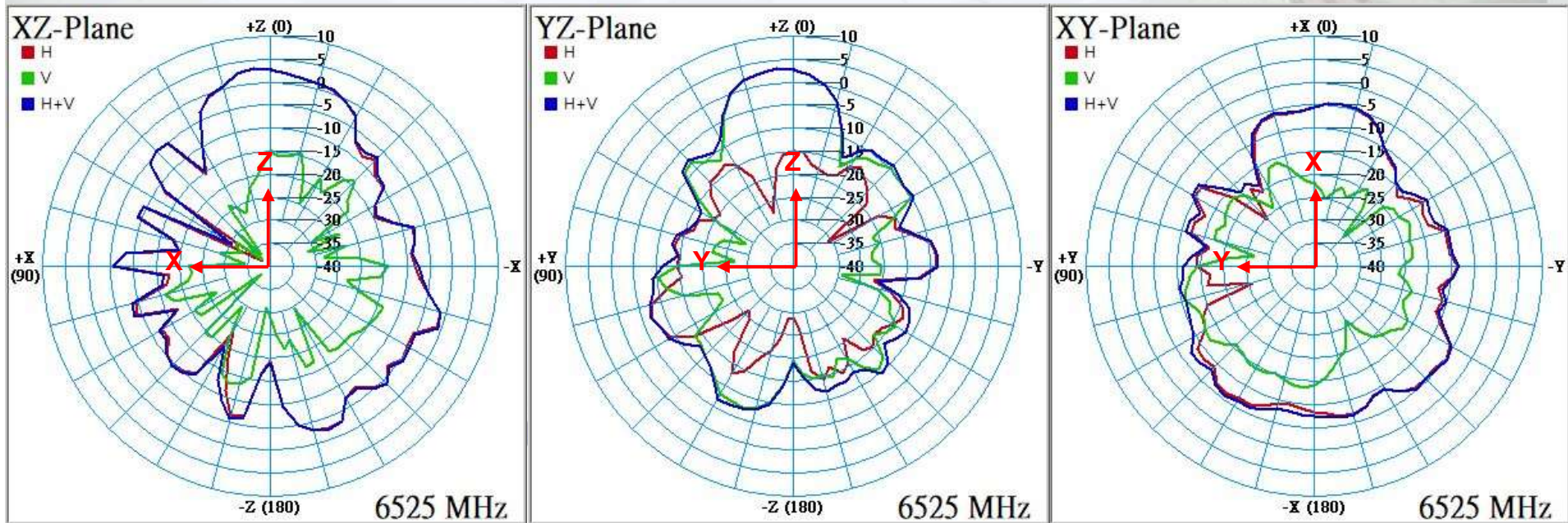
# 2D Radiation Pattern Results

6G8 (6325 MHz)



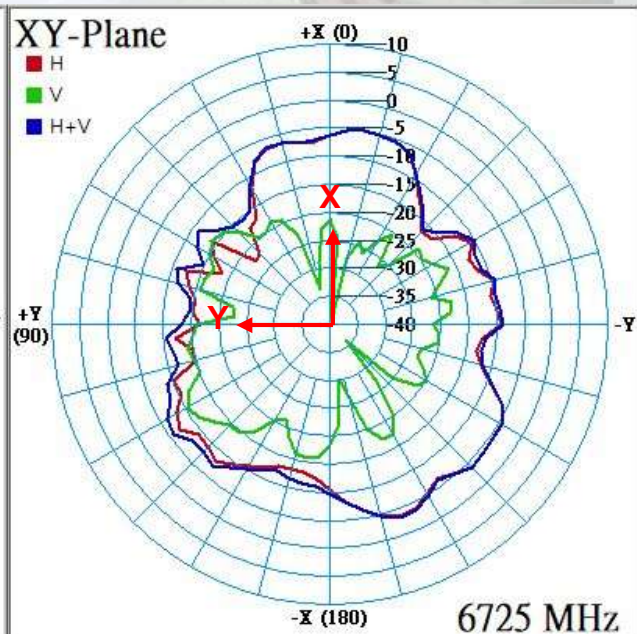
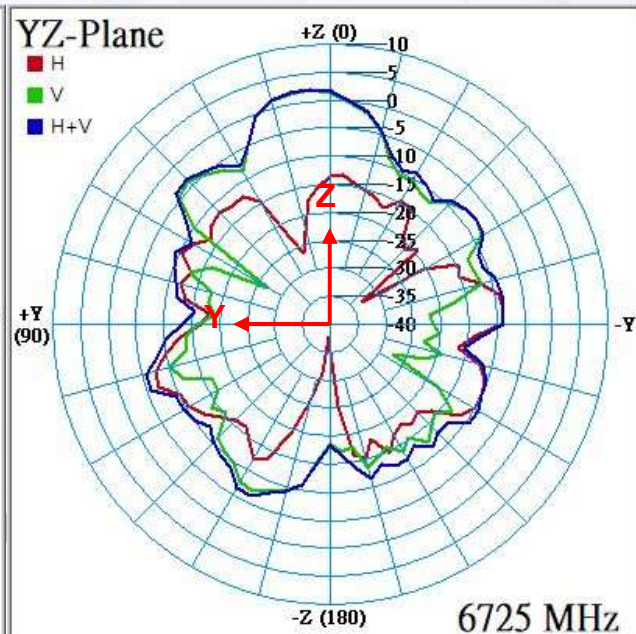
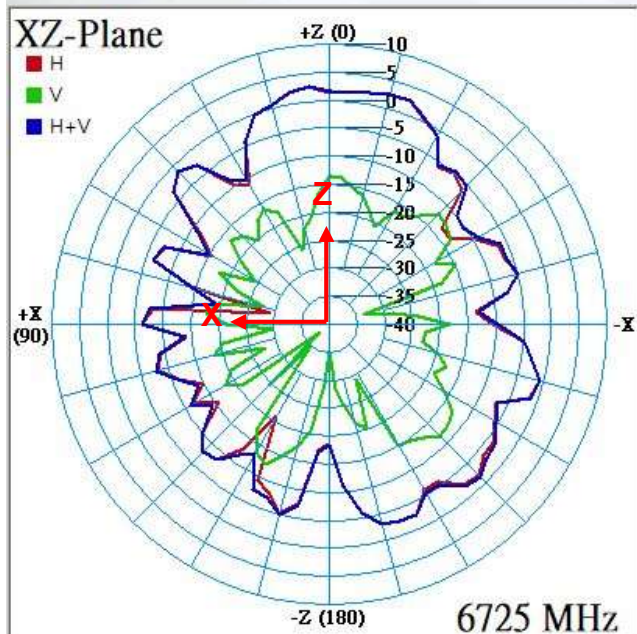
# 2D Radiation Pattern Results

6G8 (6525 MHz)



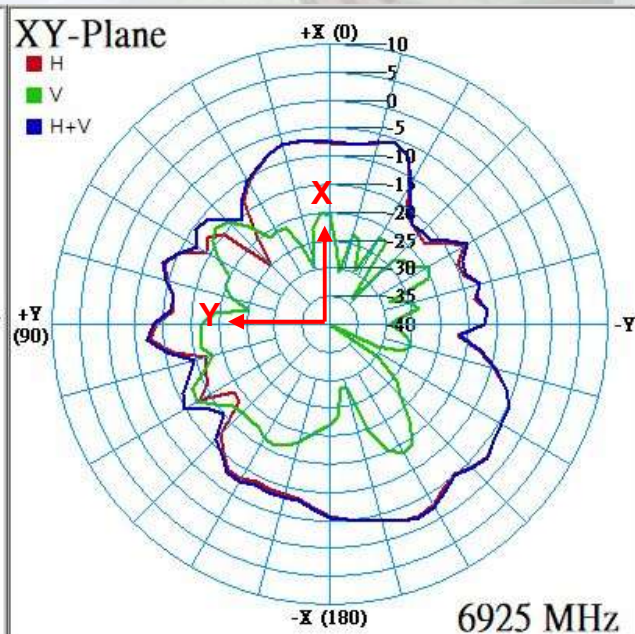
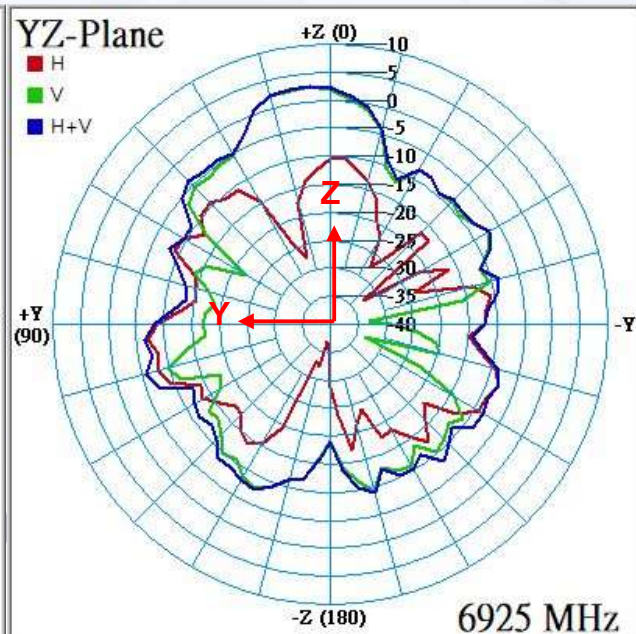
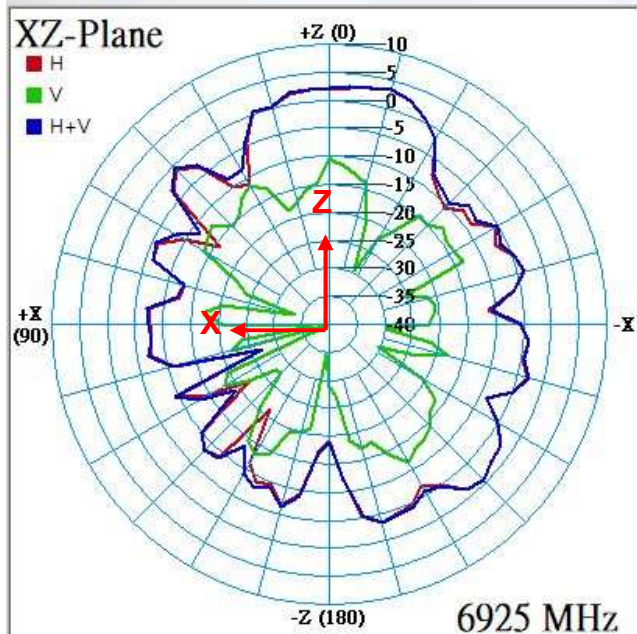
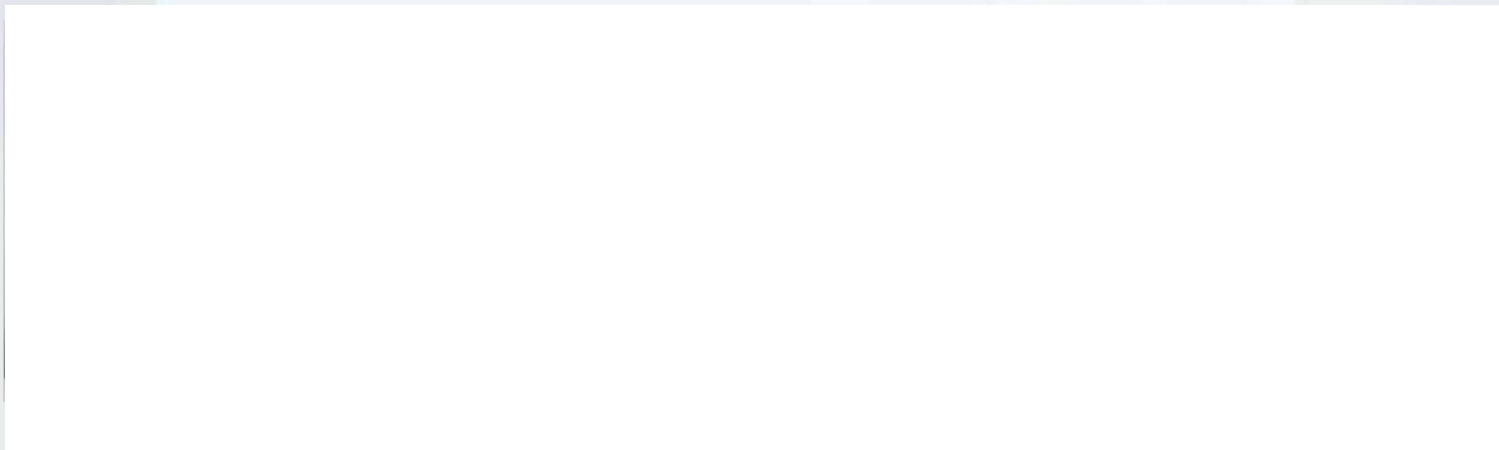
# 2D Radiation Pattern Results

6G8 (6725 MHz)



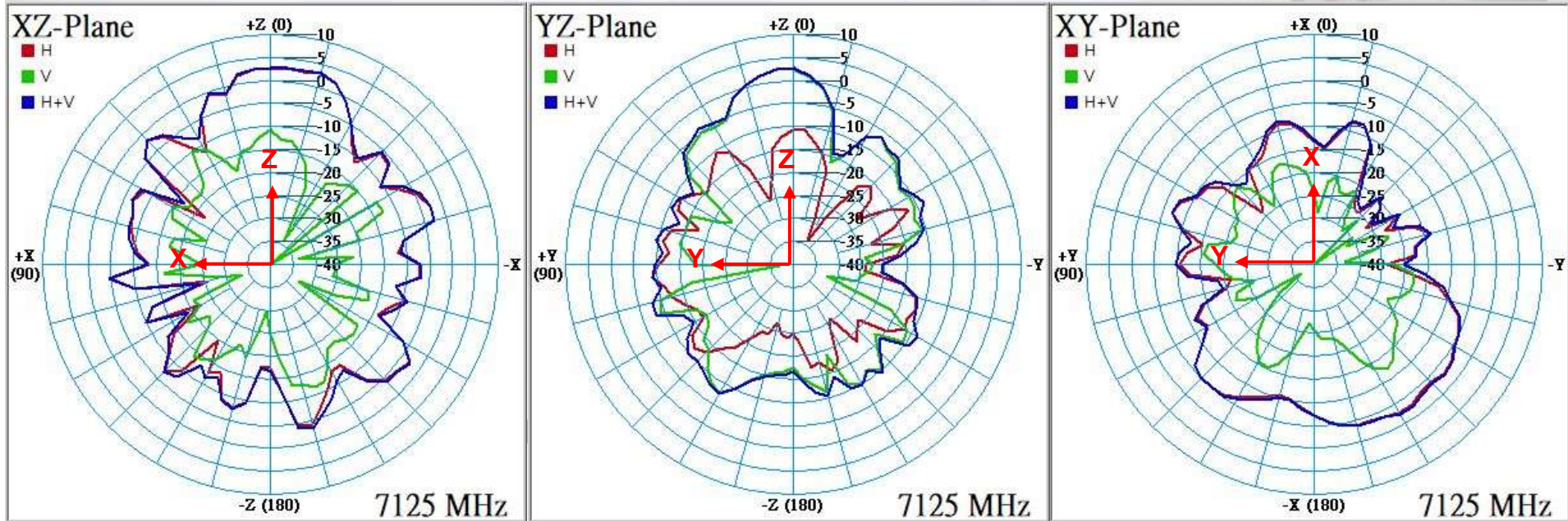
# 2D Radiation Pattern Results

6G8 (6925 MHz)



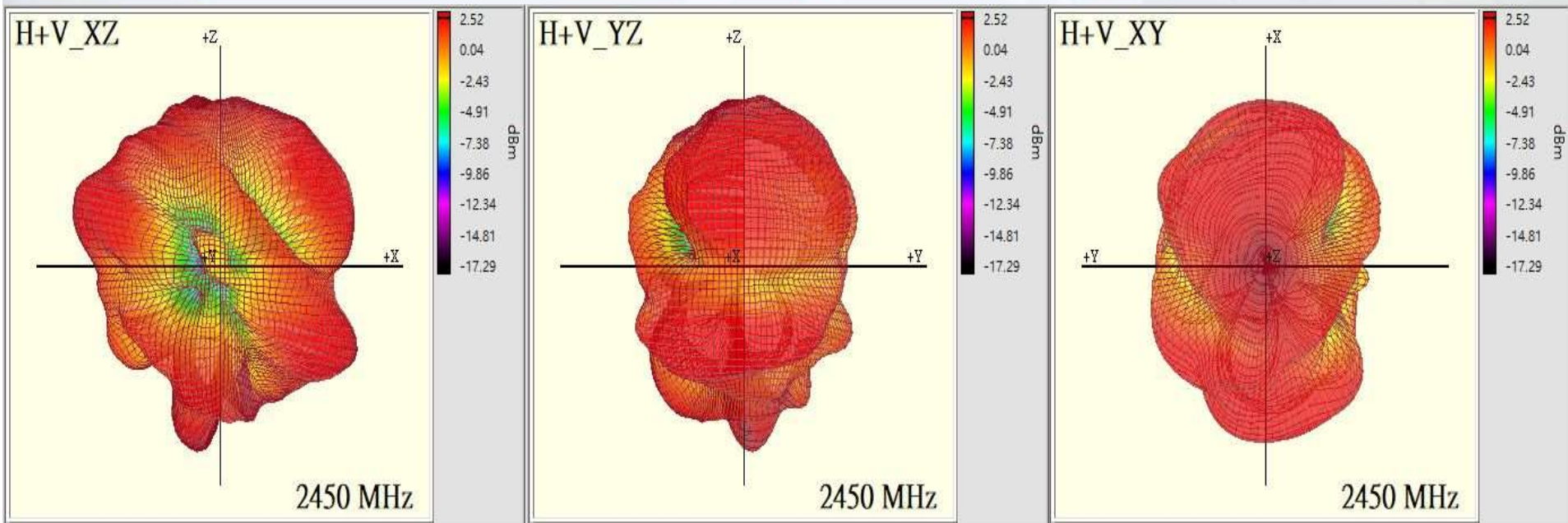
# 2D Radiation Pattern Results

6G8 (7125 MHz)



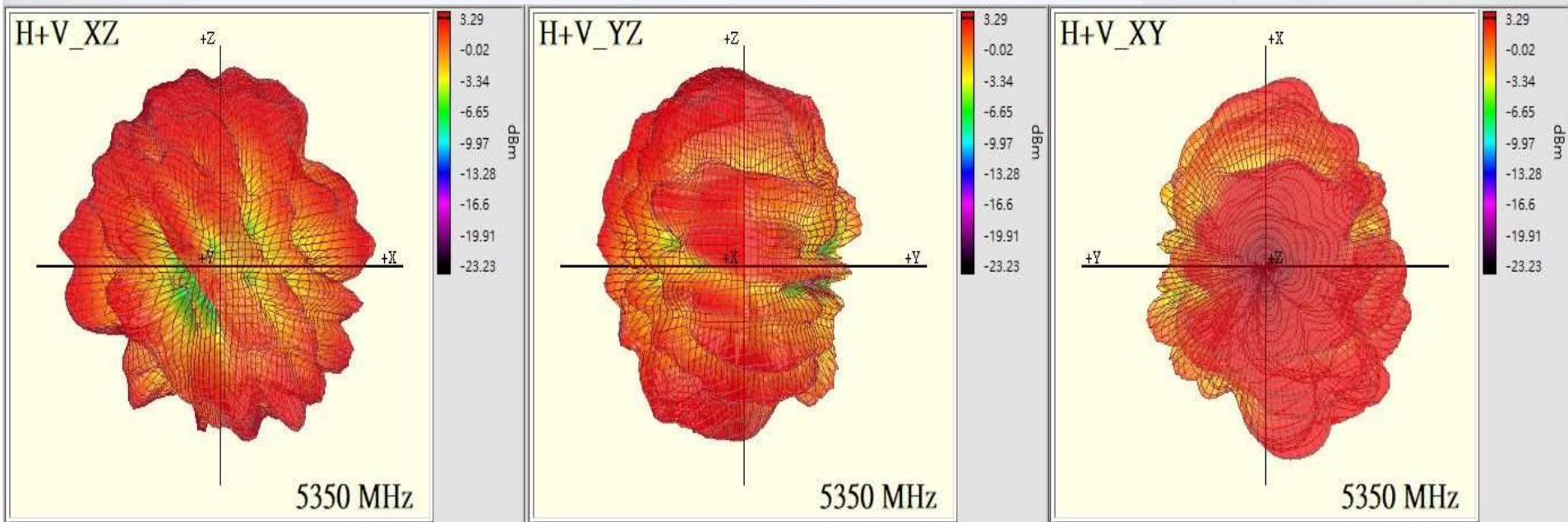
# 3D Radiation Pattern Results

DB1 (2450 MHz)



# 3D Radiation Pattern Results

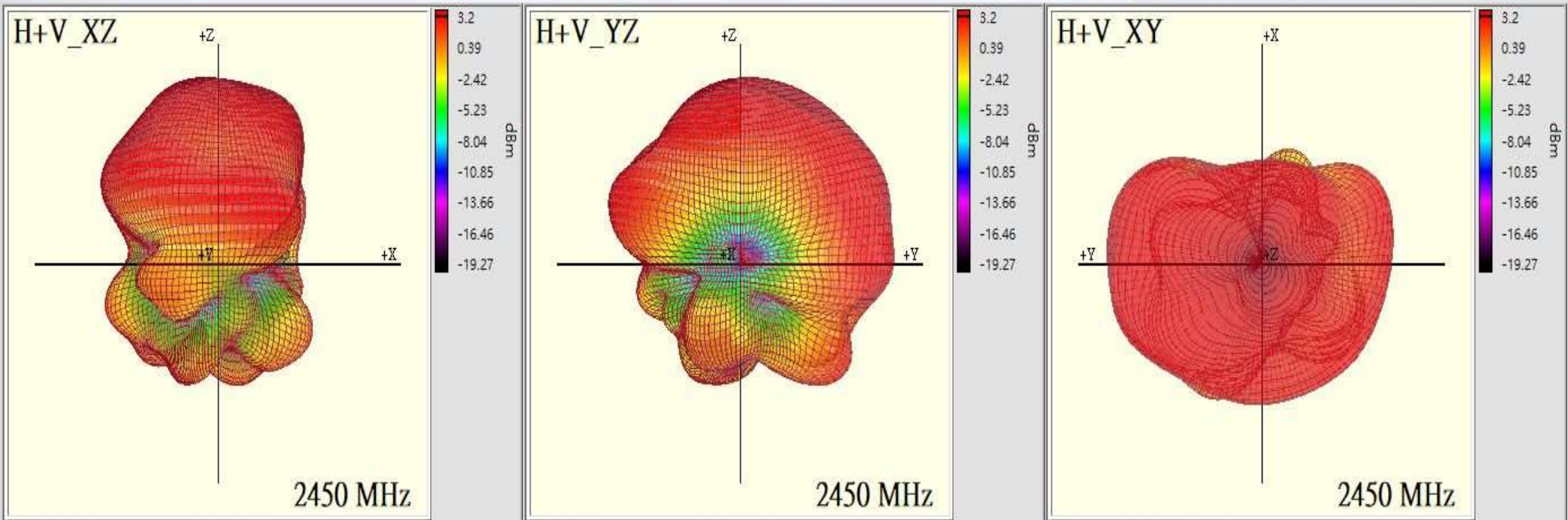
DB1 (5350 MHz)





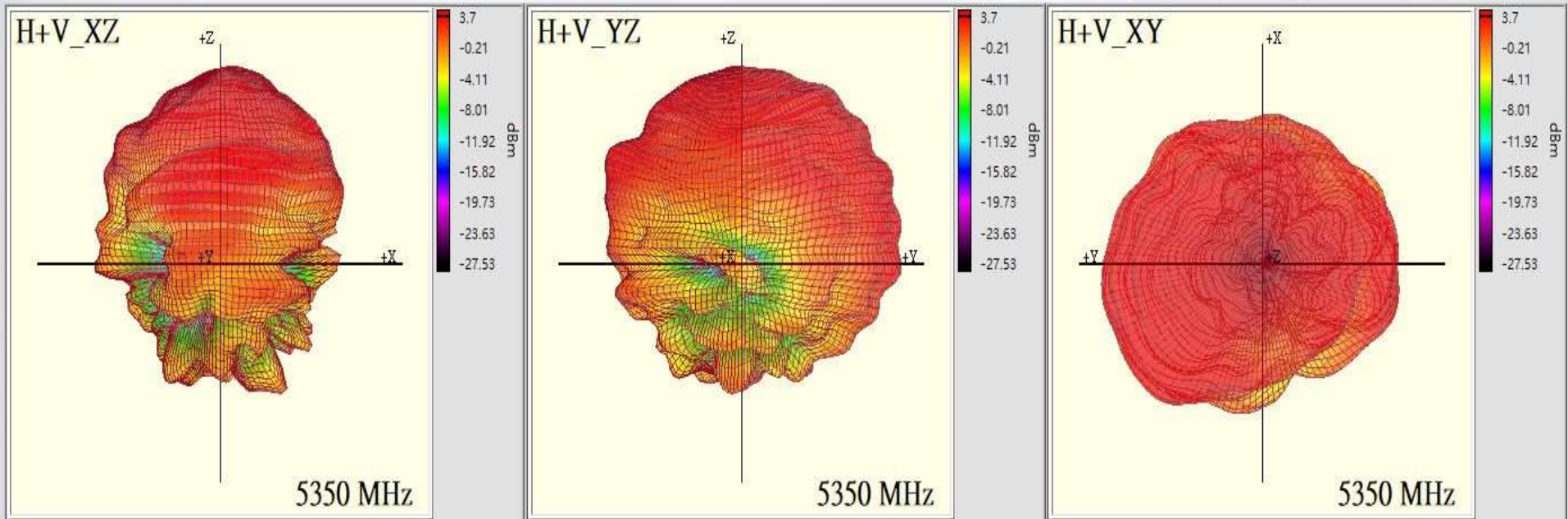
# 3D Radiation Pattern Results

DB2 (2450 MHz)



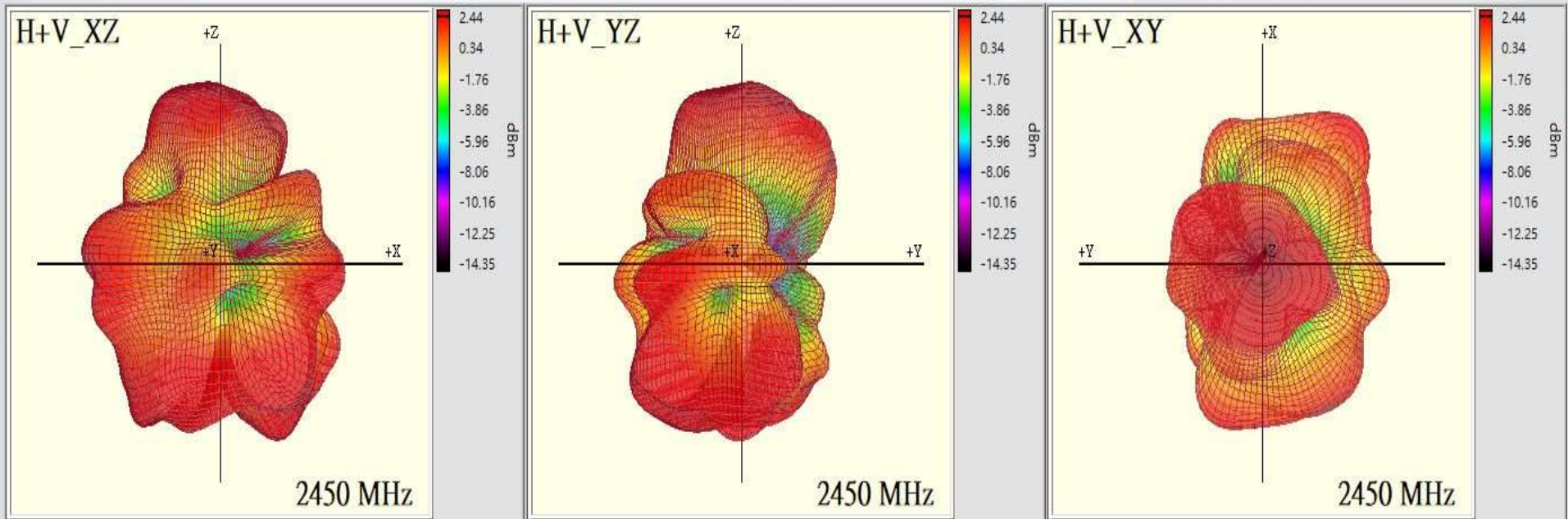
# 3D Radiation Pattern Results

DB2 (5350 MHz)



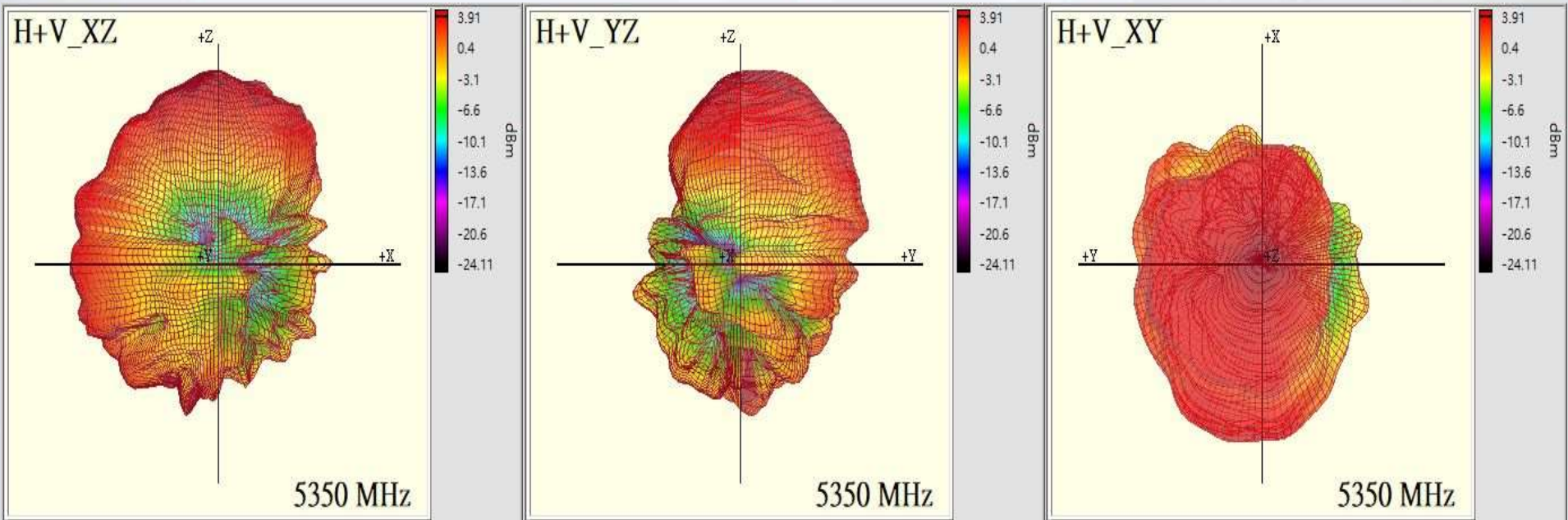
# 3D Radiation Pattern Results

DB3 (2450 MHz)



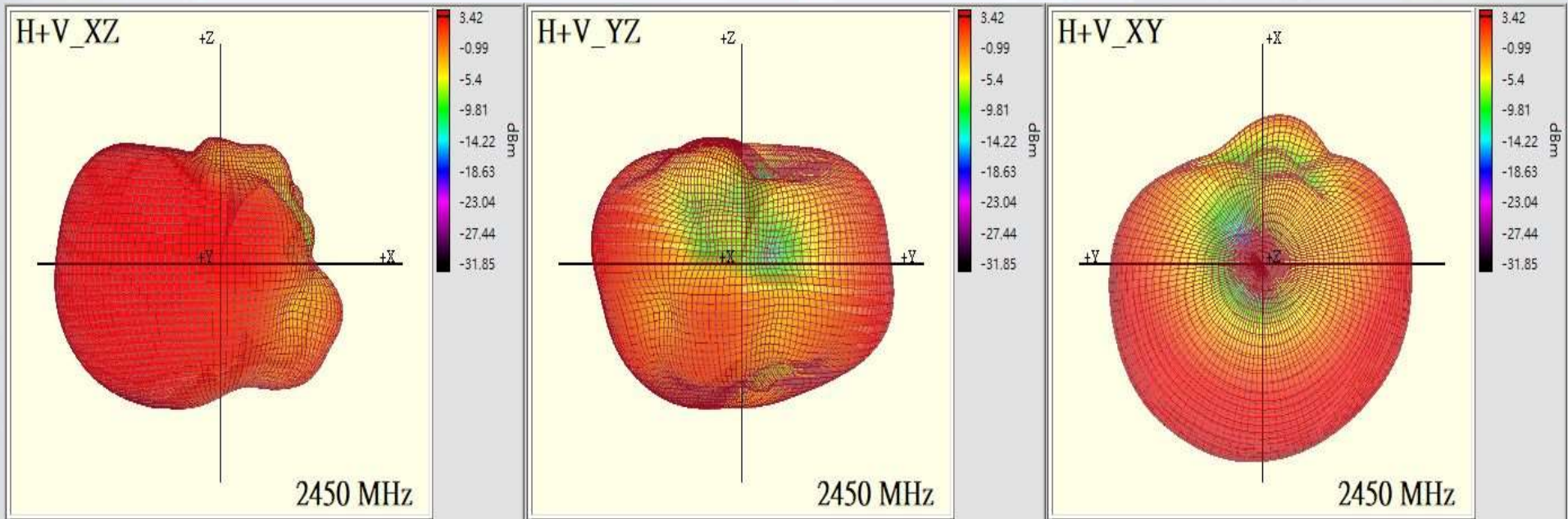
# 3D Radiation Pattern Results

DB3 (5350 MHz)



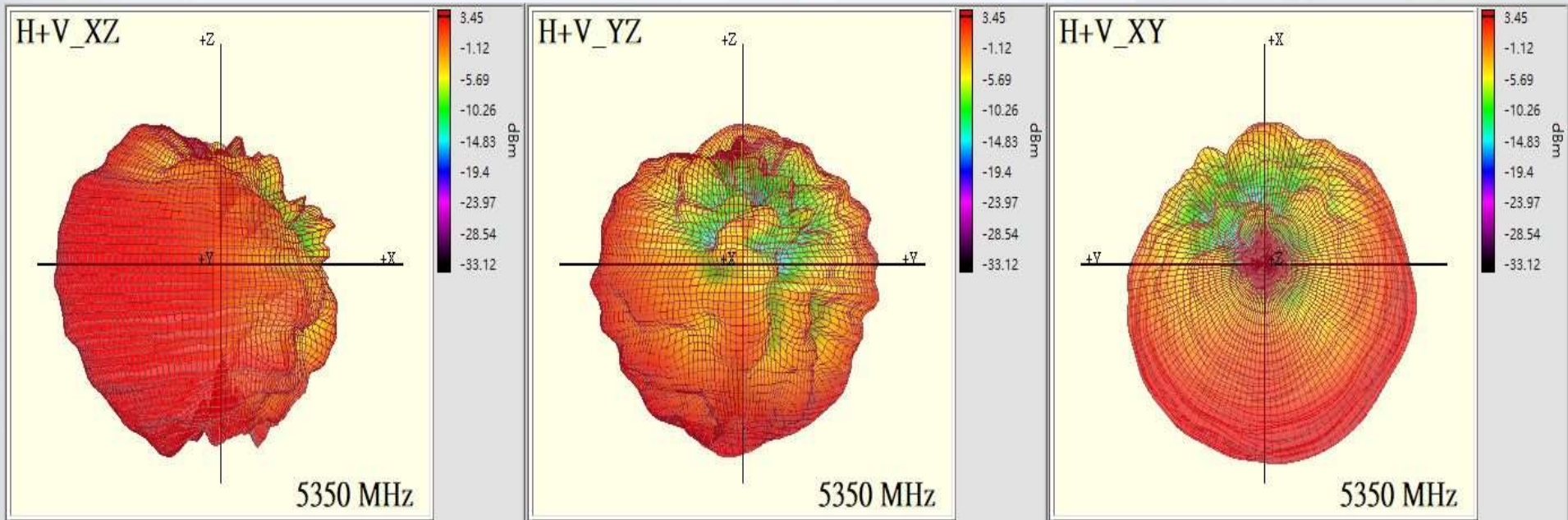
# 3D Radiation Pattern Results

DB4 (2450 MHz)



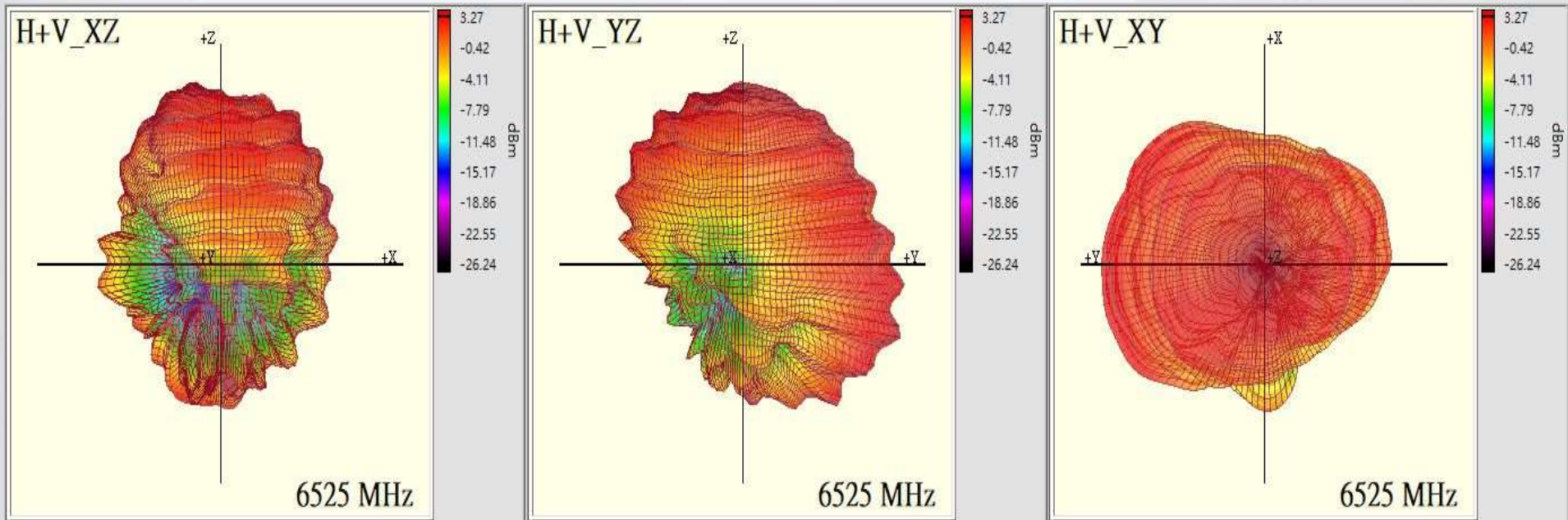
# 3D Radiation Pattern Results

DB4 (5350 MHz)



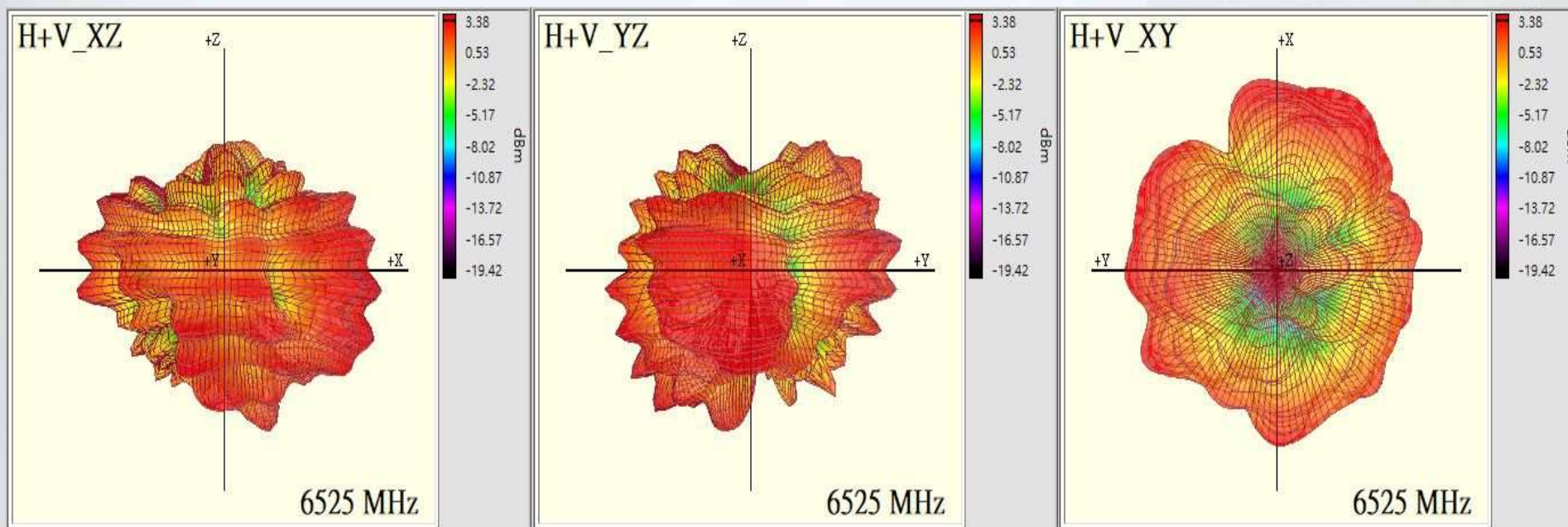
# 3D Radiation Pattern Results

6G5 (6525 MHz)



# 3D Radiation Pattern Results

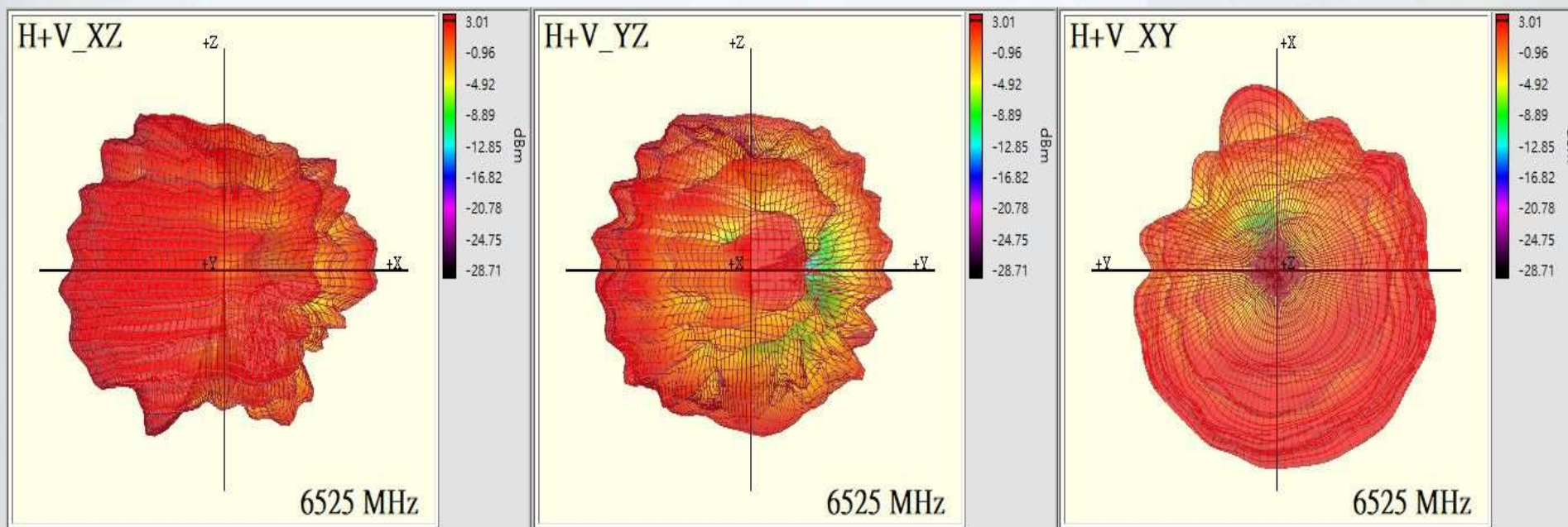
6G6 (6525 MHz)





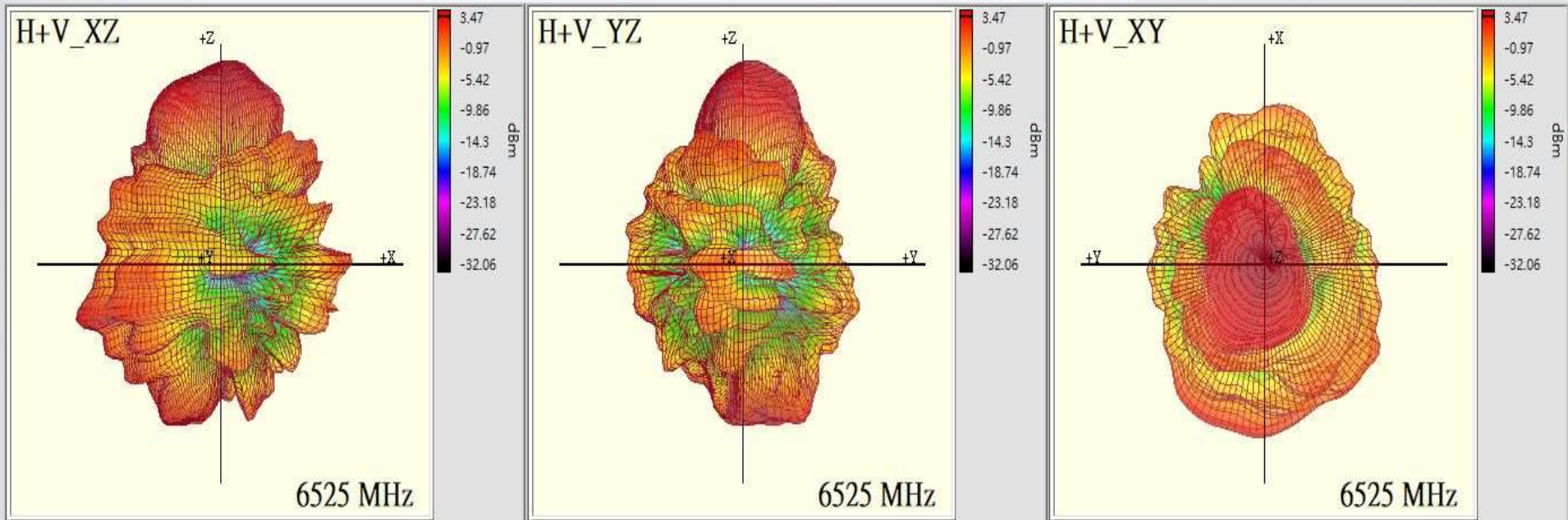
# 3D Radiation Pattern Results

6G7 (6525 MHz)



# 3D Radiation Pattern Results

6G8 (6525 MHz)



# Results Summary

## Return Loss

| Frequency (MHz) | DB1  | DB2  | DB3  | DB4  |
|-----------------|------|------|------|------|
| 2400 MHz        | 11.0 | 21.0 | 13.7 | 15.8 |
| 2450 MHz        | 13.6 | 17.9 | 14.0 | 14.7 |
| 2500 MHz        | 15.9 | 13.2 | 15.3 | 11.9 |
| 5050 MHz        | 19.0 | 17.5 | 21.3 | 25.3 |
| 5150 MHz        | 28.1 | 14.0 | 22.7 | 22.5 |
| 5350 MHz        | 15.7 | 14.7 | 19.2 | 16.8 |
| 5725 MHz        | 20.9 | 17.8 | 16.0 | 12.6 |
| 5825 MHz        | 25.9 | 18.1 | 15.0 | 12.8 |

# Results Summary

## Return Loss

| Frequency (MHz) | 6G5  | 6G6  | 6G7  | 6G8  |
|-----------------|------|------|------|------|
| 5925 MHz        | 18.8 | 17.4 | 19.7 | 11.3 |
| 6125 MHz        | 21.2 | 20.9 | 29.9 | 21.3 |
| 6325 MHz        | 30.9 | 21.8 | 16.5 | 24.6 |
| 6525 MHz        | 18.5 | 17.5 | 14.5 | 18.1 |
| 6725 MHz        | 16.4 | 16.3 | 14.4 | 25.7 |
| 6925 MHz        | 18.5 | 18.6 | 13.8 | 18.3 |
| 7125 MHz        | 25.8 | 22.1 | 10.9 | 18.1 |

# Results Summary

## Isolation

|          | DB1 to DB2 | DB1 to DB3 | DB1 to DB4 | DB1 to 6G5 | DB1 to 6G6 | DB1 to 6G7 | DB1 to 6G8 |
|----------|------------|------------|------------|------------|------------|------------|------------|
| 2400 MHz | 31         | 32         | 35         | 36         | 38         | 41         | 48         |
| 2450 MHz | 33         | 32         | 37         | 37         | 42         | 41         | 52         |
| 2500 MHz | 33         | 32         | 38         | 37         | 47         | 40         | 51         |
| 5050 MHz | 29         | 37         | 50         | 35         | 34         | 34         | 33         |
| 5350 MHz | 28         | 32         | 38         | 31         | 30         | 31         | 27         |
| 5725 MHz | 39         | 31         | 38         | 31         | 31         | 33         | 29         |
| 5825 MHz | 38         | 33         | 36         | 31         | 29         | 32         | 39         |
| 5925 MHz | -          | -          | -          | 30         | 31         | 32         | 42         |
| 6125 MHz | -          | -          | -          | 32         | 32         | 35         | 44         |
| 6325 MHz | -          | -          | -          | 33         | 30         | 34         | 40         |
| 6725 MHz | -          | -          | -          | 33         | 29         | 33         | 43         |
| 7125 MHz | -          | -          | -          | 38         | 31         | 35         | 42         |

# Results Summary

## Isolation

|          | DB2 to DB3 | DB2 to DB4 | DB2 to 6G5 | DB2 to 6G6 | DB2 to 6G7 | DB2 to 6G8 |
|----------|------------|------------|------------|------------|------------|------------|
| 2400 MHz | 29         | 31         | 35         | 38         | 34         | 28         |
| 2450 MHz | 33         | 29         | 36         | 41         | 35         | 30         |
| 2500 MHz | 34         | 29         | 38         | 42         | 37         | 31         |
| 5050 MHz | 30         | 45         | 38         | 28         | 29         | 35         |
| 5350 MHz | 31         | 32         | 29         | 34         | 32         | 36         |
| 5725 MHz | 31         | 38         | 37         | 42         | 30         | 39         |
| 5825 MHz | 31         | 32         | 36         | 41         | 32         | 46         |
| 5925 MHz | -          | -          | 45         | 40         | 37         | 42         |
| 6125 MHz | -          | -          | 38         | 43         | 41         | 38         |
| 6325 MHz | -          | -          | 44         | 34         | 33         | 35         |
| 6725 MHz | -          | -          | 43         | 32         | 30         | 42         |
| 7125 MHz | -          | -          | 40         | 41         | 41         | 30         |

# Results Summary

## Isolation

|          | DB3 to DB4 | DB3 to 6G5 | DB3 to 6G6 | DB3 to 6G7 | DB3 to 6G8 |
|----------|------------|------------|------------|------------|------------|
| 2400 MHz | 31         | 38         | 41         | 31         | 40         |
| 2450 MHz | 35         | 37         | 43         | 31         | 40         |
| 2500 MHz | 42         | 37         | 45         | 31         | 40         |
| 5050 MHz | 35         | 40         | 41         | 28         | 27         |
| 5350 MHz | 41         | 41         | 35         | 27         | 35         |
| 5725 MHz | 36         | 50         | 33         | 28         | 34         |
| 5825 MHz | 33         | 44         | 36         | 29         | 34         |
| 5925 MHz | -          | 41         | 37         | 28         | 31         |
| 6125 MHz | -          | 48         | 34         | 26         | 29         |
| 6325 MHz | -          | 39         | 37         | 28         | 27         |
| 6725 MHz | -          | 41         | 36         | 27         | 26         |
| 7125 MHz | -          | 45         | 35         | 27         | 28         |

# Results Summary

## Isolation

|          | DB4 to 6G5 | DB4 to 6G6 | DB4 to 6G7 | DB4 to 6G8 |
|----------|------------|------------|------------|------------|
| 2400 MHz | 42         | 43         | 32         | 30         |
| 2450 MHz | 44         | 44         | 32         | 30         |
| 2500 MHz | 48         | 45         | 32         | 29         |
| 5050 MHz | 50         | 48         | 49         | 28         |
| 5350 MHz | 44         | 40         | 34         | 33         |
| 5725 MHz | 50         | 37         | 33         | 30         |
| 5825 MHz | 49         | 36         | 32         | 30         |
| 5925 MHz | 47         | 36         | 32         | 34         |
| 6125 MHz | 47         | 34         | 37         | 31         |
| 6325 MHz | 54         | 34         | 32         | 27         |
| 6725 MHz | 52         | 36         | 47         | 29         |
| 7125 MHz | 50         | 40         | 38         | 29         |



# Results Summary

## Isolation

|          | 6G5 to 6G6 | 6G5 to 6G7 | 6G5 to 6G8 | 6G6 to 6G7 | 6G6 to 6G8 | 6G7 to 6G8 |
|----------|------------|------------|------------|------------|------------|------------|
| 2400 MHz | -          | -          | -          | -          | -          | -          |
| 2450 MHz | -          | -          | -          | -          | -          | -          |
| 2500 MHz | -          | -          | -          | -          | -          | -          |
| 5050 MHz | -          | -          | -          | -          | -          | -          |
| 5350 MHz | -          | -          | -          | -          | -          | -          |
| 5725 MHz | -          | -          | -          | -          | -          | -          |
| 5825 MHz | -          | -          | -          | -          | -          | -          |
| 5925 MHz | 36         | 44         | 50         | 34         | 29         | 49         |
| 6125 MHz | 40         | 50         | 44         | 30         | 27         | 42         |
| 6325 MHz | 41         | 53         | 47         | 31         | 28         | 36         |
| 6725 MHz | 39         | 49         | 54         | 30         | 37         | 31         |
| 7125 MHz | 34         | 45         | 51         | 35         | 37         | 34         |

# Results Summary

## Peak gain & Efficiency – DB1\_2G

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 2400 MHz                         | 2.49            | 72             |
| 2450 MHz                         | 2.48            | 74             |
| 2500 MHz                         | 2.92            | 72             |
| Average Gain                     | 2.63            | -              |
| Average efficiency               | -               | 73             |
| Average cable loss<br>Calibrated | -               | 86             |

# Results Summary

## Peak gain & Efficiency – DB1\_5G

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 5050 MHz                         | 3.63            | 72             |
| 5150 MHz                         | 3.37            | 75             |
| 5350 MHz                         | 3.29            | 71             |
| 5725 MHz                         | 3.72            | 70             |
| 5825 MHz                         | 3.67            | 70             |
| Average Gain                     | 3.54            | -              |
| Average efficiency               | -               | 72             |
| Average cable loss<br>Calibrated | -               | 95             |

# Results Summary

## Peak gain & Efficiency – DB2\_2G

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 2400 MHz                         | 3.21            | 71             |
| 2450 MHz                         | 3.23            | 74             |
| 2500 MHz                         | 3.32            | 72             |
| Average Gain                     | 3.25            | -              |
| Average efficiency               | -               | 72             |
| Average cable loss<br>Calibrated | -               | 82             |

# Results Summary

## Peak gain & Efficiency – DB2\_5G

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 5050 MHz                         | 3.64            | 72             |
| 5150 MHz                         | 3.74            | 75             |
| 5350 MHz                         | 3.46            | 70             |
| 5725 MHz                         | 3.54            | 71             |
| 5825 MHz                         | 3.80            | 71             |
| Average Gain                     | 3.64            | -              |
| Average efficiency               | -               | 72             |
| Average cable loss<br>Calibrated | -               | 88             |

# Results Summary

## Peak gain & Efficiency – DB3\_2G

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 2400 MHz                         | 2.45            | 71             |
| 2450 MHz                         | 2.47            | 73             |
| 2500 MHz                         | 2.93            | 73             |
| Average Gain                     | 2.62            | -              |
| Average efficiency               | -               | 73             |
| Average cable loss<br>Calibrated | -               | 81             |

# Results Summary

## Peak gain & Efficiency – DB3\_5G

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 5050 MHz                         | 3.74            | 74             |
| 5150 MHz                         | 3.60            | 72             |
| 5350 MHz                         | 3.71            | 72             |
| 5725 MHz                         | 3.78            | 72             |
| 5825 MHz                         | 3.79            | 71             |
| Average Gain                     | 3.72            | -              |
| Average efficiency               | -               | 72             |
| Average cable loss<br>Calibrated | -               | 85             |

# Results Summary

## Peak gain & Efficiency – DB4\_2G

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 2400 MHz                         | 3.25            | 72             |
| 2450 MHz                         | 3.40            | 73             |
| 2500 MHz                         | 3.30            | 73             |
| Average Gain                     | 3.32            | -              |
| Average efficiency               | -               | 72             |
| Average cable loss<br>Calibrated | -               | 75             |



# Results Summary

## Peak gain & Efficiency – DB4\_5G

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 5050 MHz                         | 3.73            | 73             |
| 5150 MHz                         | 3.58            | 74             |
| 5350 MHz                         | 3.42            | 74             |
| 5725 MHz                         | 3.70            | 71             |
| 5825 MHz                         | 3.79            | 70             |
| Average Gain                     | 3.64            | -              |
| Average efficiency               | -               | 72             |
| Average cable loss<br>Calibrated | -               | 76             |

# Results Summary

## Peak gain & Efficiency – 6G5

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 5925 MHz                         | 3.30            | 71             |
| 6125 MHz                         | 3.11            | 74             |
| 6325 MHz                         | 3.25            | 75             |
| 6525 MHz                         | 3.34            | 70             |
| 6725 MHz                         | 3.20            | 71             |
| 6925 MHz                         | 3.24            | 71             |
| 7125 MHz                         | 3.32            | 70             |
| Average Gain                     | 3.25            | -              |
| Average efficiency               | -               | 72             |
| Average cable loss<br>Calibrated | -               | 86             |

# Results Summary

## Peak gain & Efficiency – 6G6

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 5925 MHz                         | 3.33            | 71             |
| 6125 MHz                         | 3.48            | 74             |
| 6325 MHz                         | 3.47            | 75             |
| 6525 MHz                         | 3.43            | 70             |
| 6725 MHz                         | 3.20            | 71             |
| 6925 MHz                         | 3.41            | 72             |
| 7125 MHz                         | 3.49            | 71             |
| Average Gain                     | 3.40            | -              |
| Average efficiency               | -               | 72             |
| Average cable loss<br>Calibrated | -               | 80             |

# Results Summary

## Peak gain & Efficiency – 6G7

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 5925 MHz                         | 3.38            | 71             |
| 6125 MHz                         | 3.28            | 75             |
| 6325 MHz                         | 3.30            | 75             |
| 6525 MHz                         | 3.21            | 72             |
| 6725 MHz                         | 3.30            | 71             |
| 6925 MHz                         | 3.47            | 71             |
| 7125 MHz                         | 3.27            | 71             |
| Average Gain                     | 3.32            | -              |
| Average efficiency               | -               | 72             |
| Average cable loss<br>Calibrated | -               | 79             |

# Results Summary

## Peak gain & Efficiency – 6G8

| Frequency (MHz)                  | Peak Gain (dBi) | Efficiency (%) |
|----------------------------------|-----------------|----------------|
| 5925 MHz                         | 3.49            | 71             |
| 6125 MHz                         | 3.30            | 70             |
| 6325 MHz                         | 3.22            | 71             |
| 6525 MHz                         | 3.46            | 72             |
| 6725 MHz                         | 3.14            | 71             |
| 6925 MHz                         | 3.31            | 71             |
| 7125 MHz                         | 3.13            | 70             |
| Average Gain                     | 3.29            | -              |
| Average efficiency               | -               | 71             |
| Average cable loss<br>Calibrated | -               | 94             |