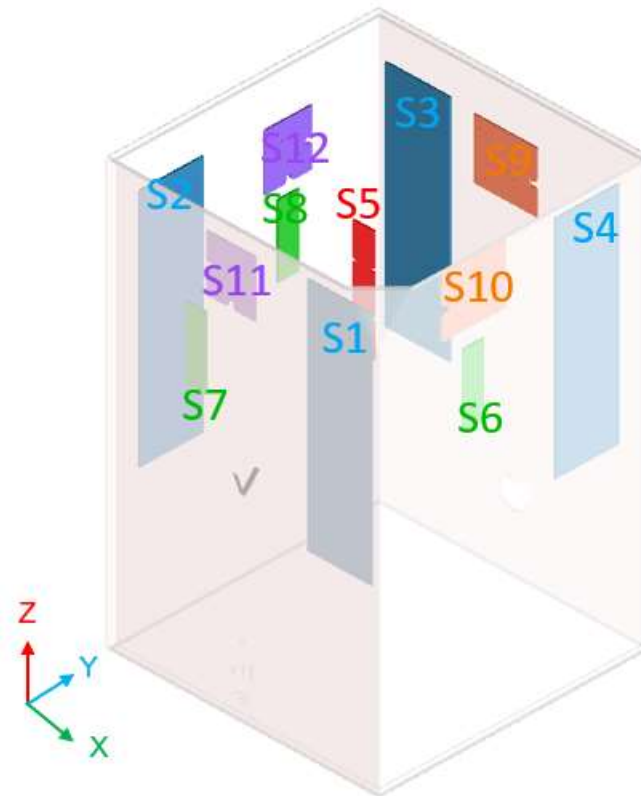


- **Antenna information**

- RF Connector/Antenna port mapping

| SW/Layout | ANT1 | ANT2 | ANT3 | ANT4 | ANT5 | ANT6 | ANT7 | ANT8 |
|-------------|---------|---------|---------|---------|------|------|------|------|
| MD/Ant name | S9V | S9H | S10V | S10H | S12V | S12H | S11V | S11H |
| WiFi | 2.4G/5G | 2.4G/5G | 2.4G/5G | 2.4G/5G | 6G | 6G | 6G | 6G |

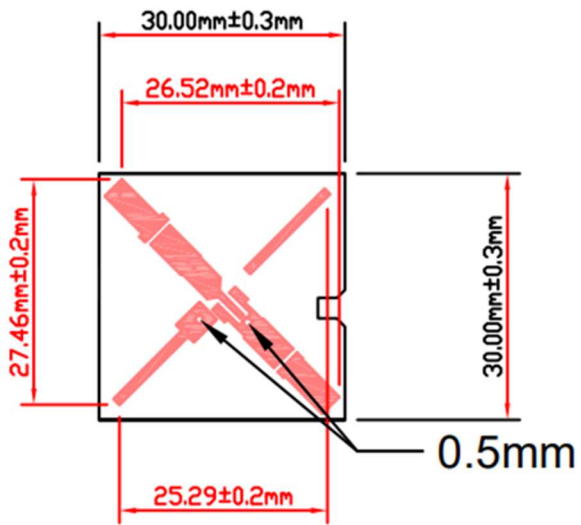


- **The antenna information**

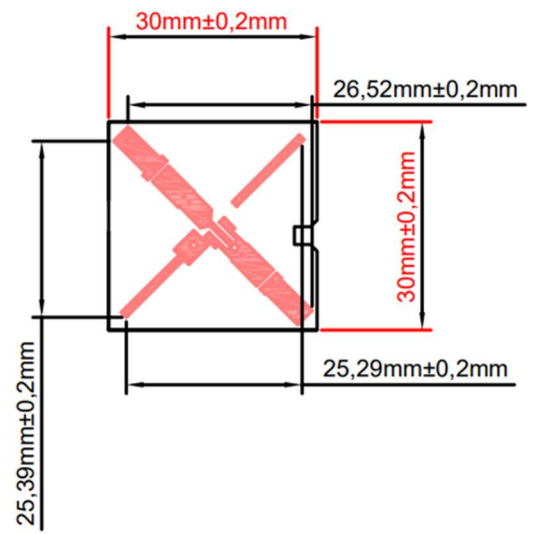
S9H/S9V/S10H/S10V: Wi-Fi 2.4G/5G

S11H/S11V/S12H/S12V: Wi-Fi 6E

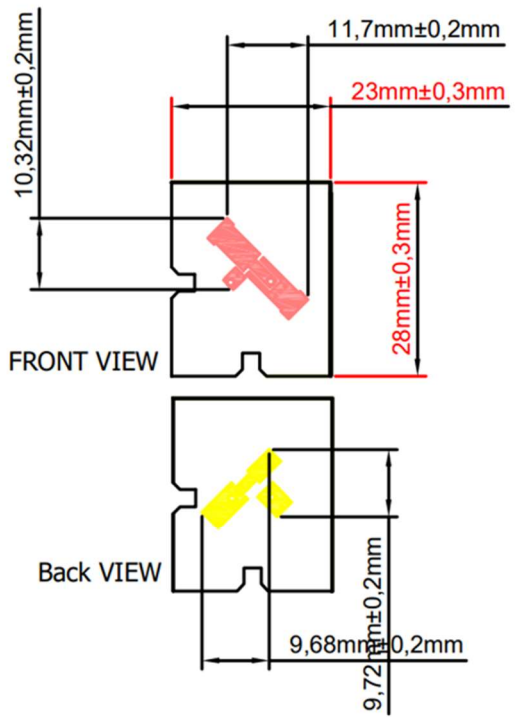
- Dimension (mm):



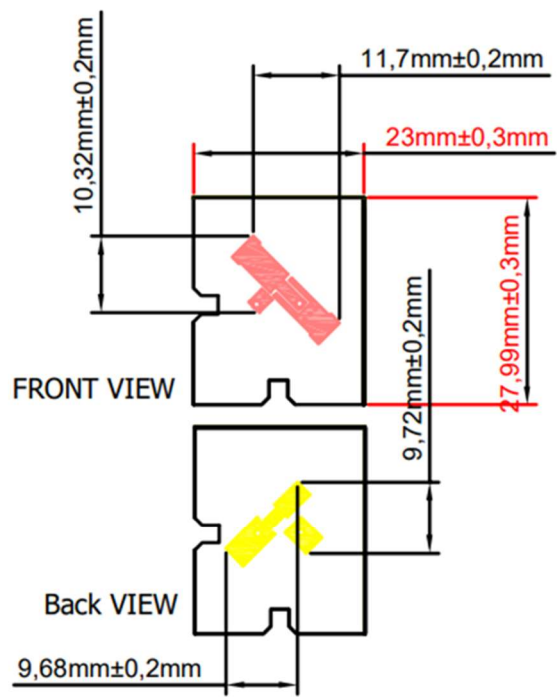
S9



S10



S11



S12

- **Antenna gain**

| 2.4G/5G | Peak gain (dBi) | | | | | Directional gain (dBi) |
|---------|-----------------|------|------|------|------|------------------------|
| (MHz) | S9V | S9H | S10V | S10H | Max | |
| 2412 | 0.90 | 0.76 | 0.73 | 0.18 | 0.90 | 3.49 |
| 2437 | 0.82 | 1.20 | 1.77 | 0.82 | 1.77 | 2.70 |
| 2462 | 1.28 | 1.28 | 2.64 | 1.88 | 2.64 | 3.25 |
| 5120 | 1.15 | 2.48 | 1.71 | 3.45 | 3.45 | 4.07 |
| 5250 | 0.73 | 2.21 | 1.74 | 2.76 | 2.76 | 3.96 |
| 5290 | 1.14 | 2.16 | 1.86 | 2.64 | 2.64 | 3.66 |
| 5370 | 1.13 | 1.60 | 2.64 | 2.12 | 2.64 | 3.68 |
| 5410 | 1.58 | 2.01 | 2.71 | 1.88 | 2.71 | 3.99 |
| 5450 | 1.51 | 1.90 | 2.88 | 2.04 | 2.88 | 3.85 |
| 5530 | 1.39 | 2.20 | 2.75 | 1.09 | 2.75 | 3.60 |
| 5570 | 1.32 | 2.34 | 2.88 | 1.76 | 2.88 | 3.88 |
| 5610 | 1.26 | 2.47 | 2.75 | 1.97 | 2.75 | 4.16 |
| 5690 | 1.34 | 2.41 | 3.25 | 2.99 | 3.25 | 4.54 |
| 5775 | 1.57 | 2.01 | 3.50 | 2.28 | 3.50 | 4.19 |

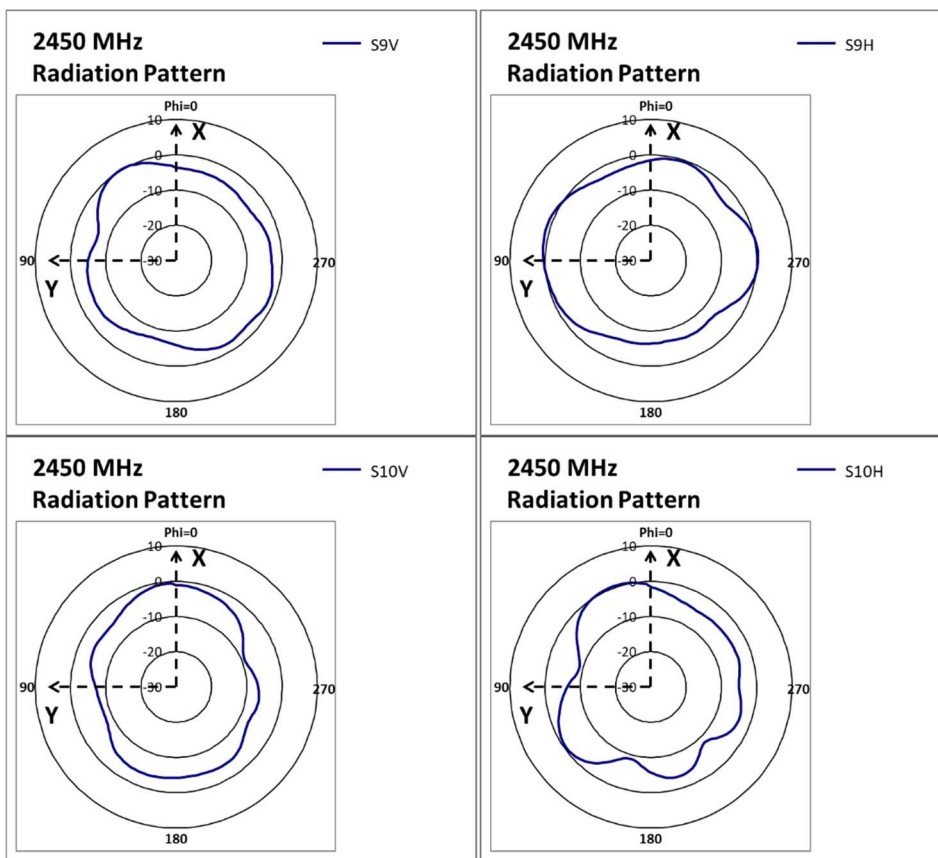
| 6E | Peak gain (dBi) | | | | | Directional gain (dBi) |
|-------|-----------------|------|------|------|------|------------------------|
| (MHz) | S11V | S11H | S12V | S12H | Max | |
| 5985 | 1.21 | 3.51 | 0.41 | 0.17 | 3.51 | 4.83 |
| 6025 | 1.65 | 3.74 | 1.86 | 0.45 | 3.74 | 4.57 |
| 6065 | 0.77 | 3.64 | 2.01 | 1.48 | 3.64 | 4.62 |
| 6145 | 1.51 | 3.96 | 2.12 | 2.85 | 3.96 | 5.48 |
| 6185 | 0.94 | 3.72 | 2.23 | 2.75 | 3.72 | 5.81 |
| 6225 | 0.92 | 3.67 | 2.87 | 3.52 | 3.67 | 6.42 |
| 6305 | 3.02 | 3.87 | 3.80 | 3.42 | 3.87 | 6.91 |
| 6345 | 4.02 | 4.07 | 3.87 | 3.18 | 4.07 | 7.22 |
| 6385 | 3.81 | 3.15 | 3.91 | 2.42 | 3.91 | 7.14 |
| 6465 | 3.70 | 3.91 | 4.25 | 2.74 | 4.25 | 7.08 |
| 6505 | 4.49 | 4.27 | 4.65 | 3.14 | 4.65 | 7.25 |
| 6545 | 4.50 | 4.48 | 4.56 | 3.05 | 4.56 | 6.96 |
| 6625 | 4.17 | 3.81 | 4.71 | 3.20 | 4.71 | 7.03 |
| 6665 | 3.46 | 3.22 | 4.50 | 2.99 | 4.50 | 6.34 |
| 6705 | 3.42 | 3.30 | 4.24 | 2.96 | 4.24 | 6.15 |
| 6785 | 3.33 | 1.73 | 3.41 | 3.53 | 3.53 | 6.22 |

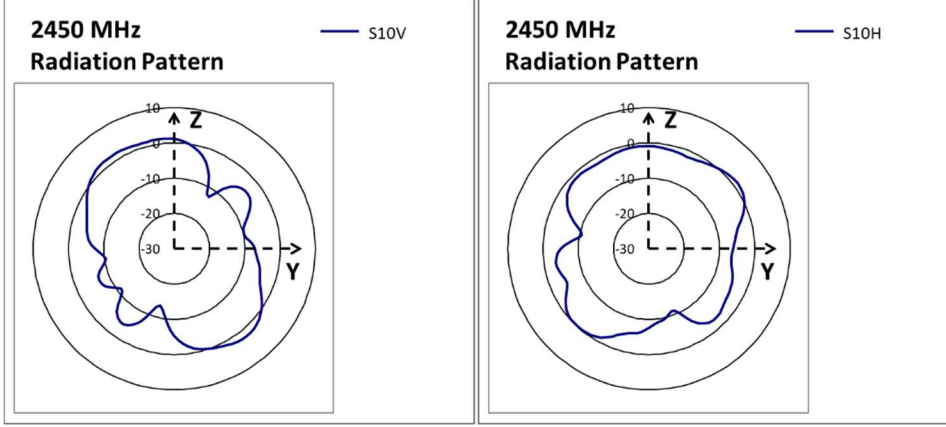
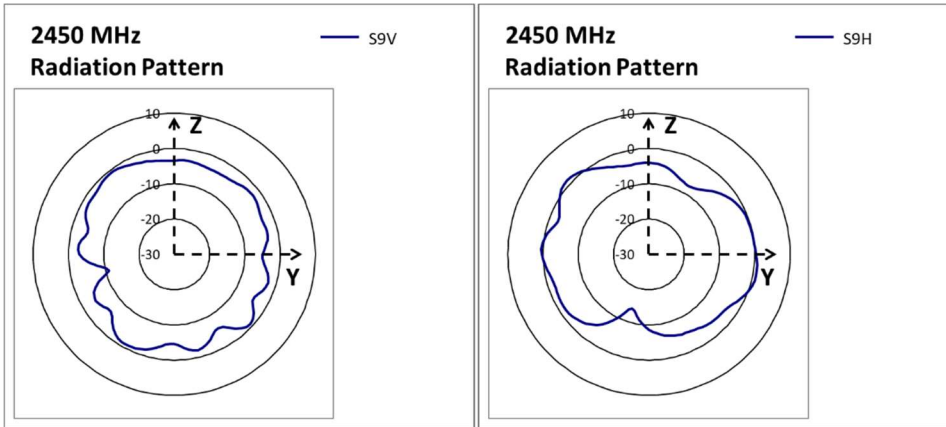
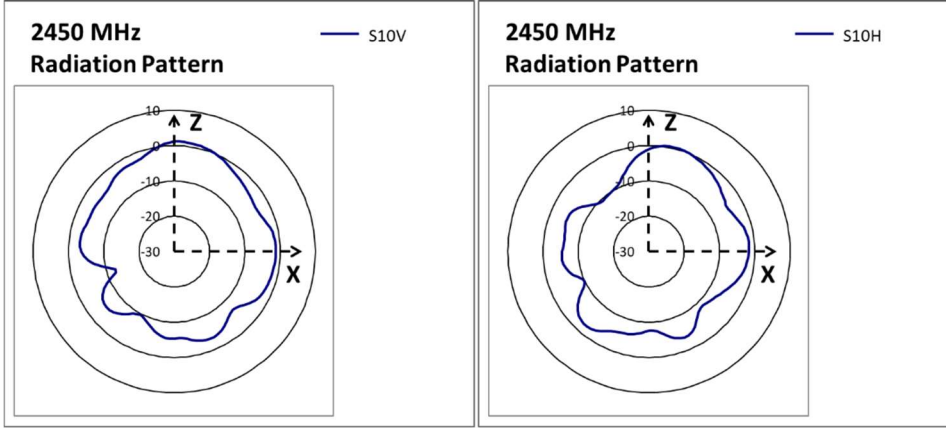
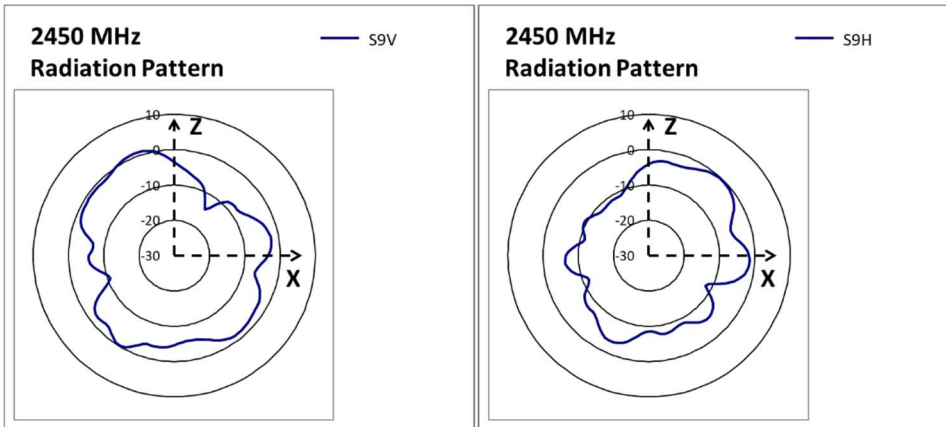
| | | | | | | |
|------|------|------|------|------|------|------|
| 6825 | 3.62 | 2.21 | 2.86 | 3.52 | 3.62 | 5.89 |
| 6945 | 3.98 | 4.21 | 4.24 | 3.56 | 4.24 | 6.64 |
| 6985 | 4.30 | 4.14 | 4.75 | 2.59 | 4.75 | 6.62 |
| 7025 | 4.90 | 4.49 | 4.80 | 2.76 | 4.90 | 7.19 |

- **Antenna pattern**

(Unit: dBi)

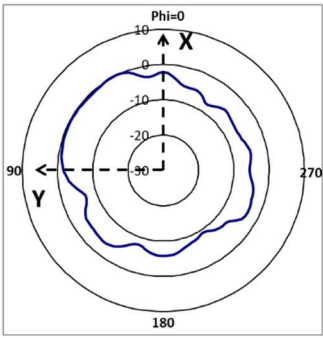
2450 MHz



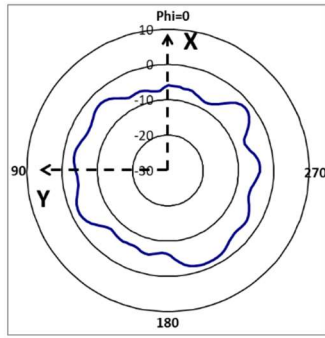


5600 MHz

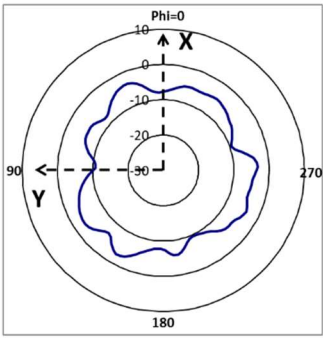
**5600 MHz
Radiation Pattern** — S9V



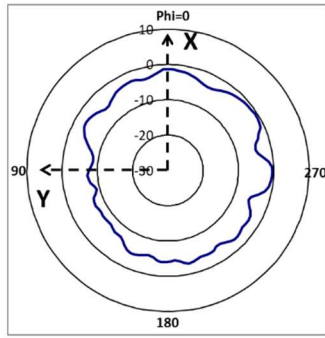
**5600 MHz
Radiation Pattern** — S9H



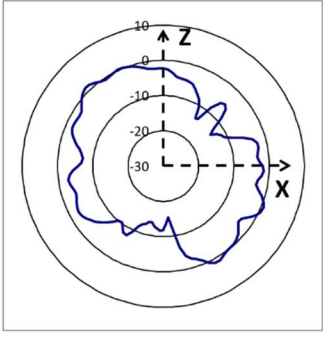
**5600 MHz
Radiation Pattern** — S10V



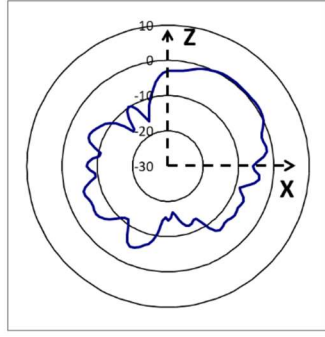
**5600 MHz
Radiation Pattern** — S10H



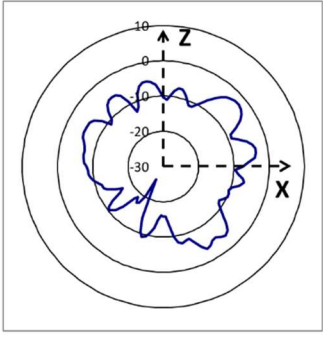
**5600 MHz
Radiation Pattern** — S9V



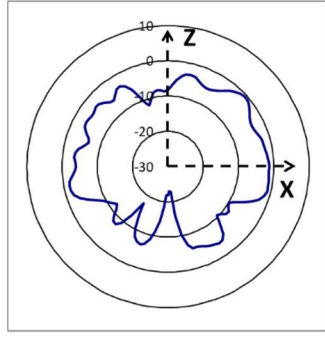
**5600 MHz
Radiation Pattern** — S9H

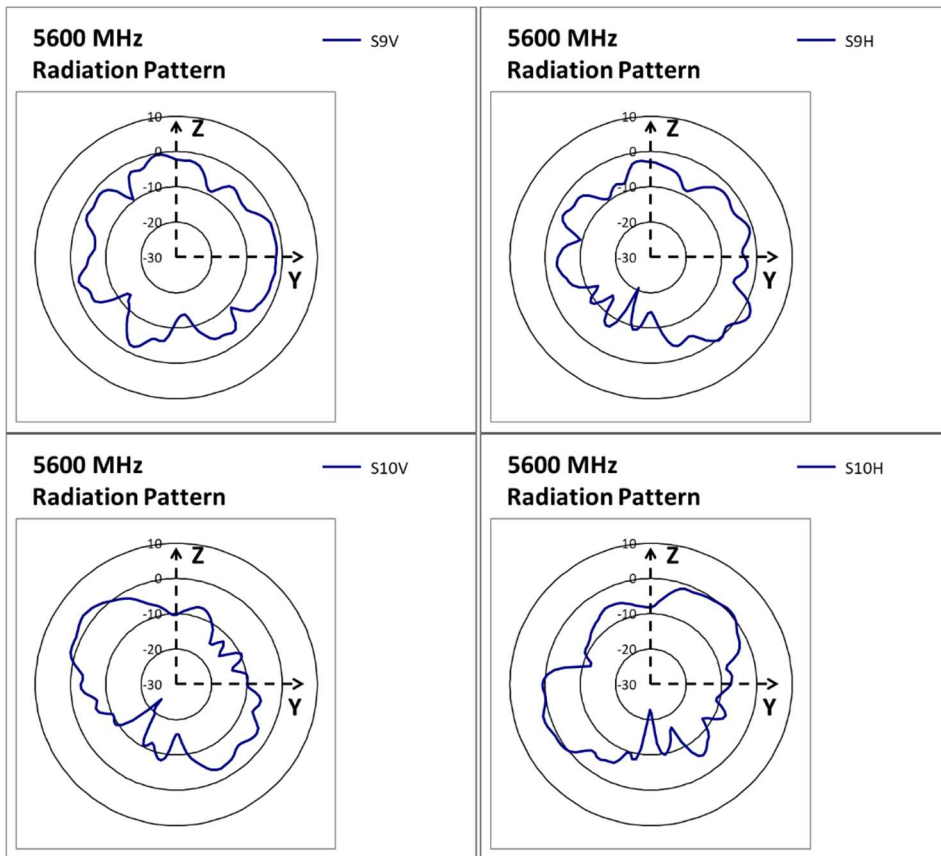


**5600 MHz
Radiation Pattern** — S10V

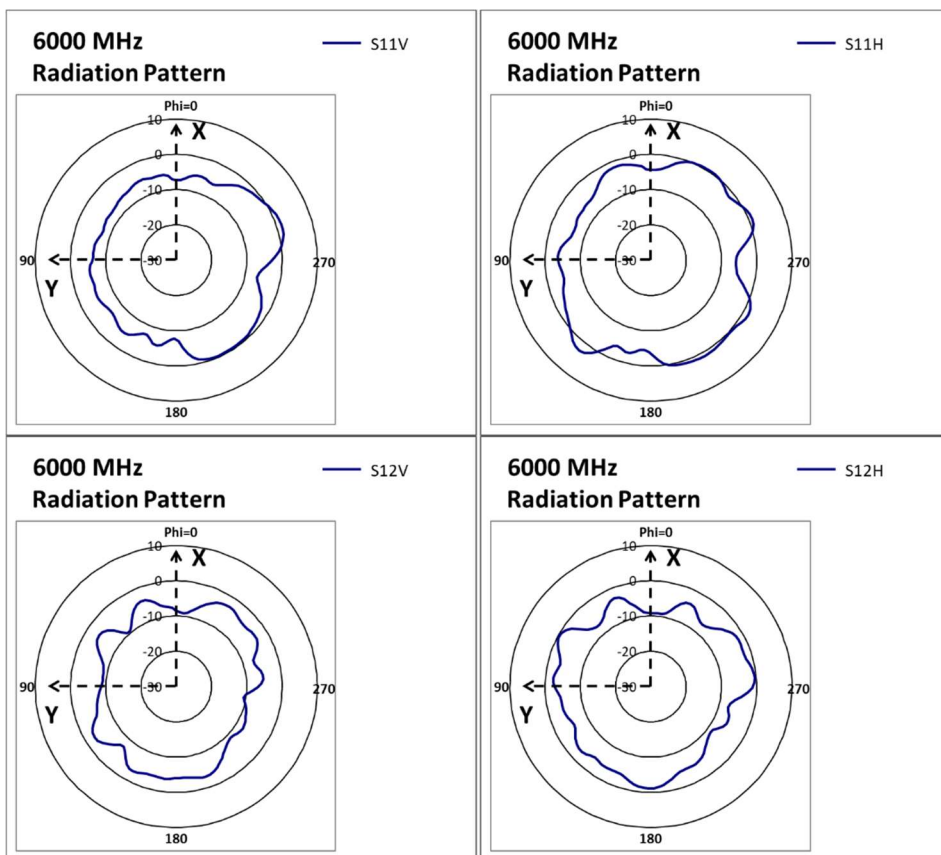


**5600 MHz
Radiation Pattern** — S10H



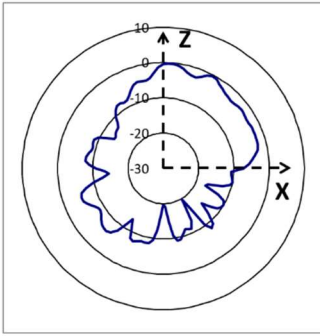


6000 MHz



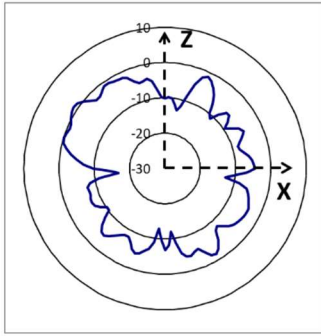
6000 MHz
Radiation Pattern

S11V



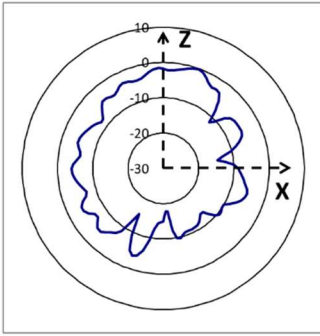
6000 MHz
Radiation Pattern

S11H



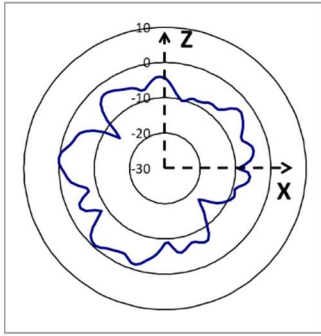
6000 MHz
Radiation Pattern

S12V



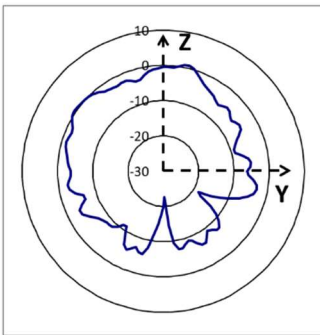
6000 MHz
Radiation Pattern

S12H



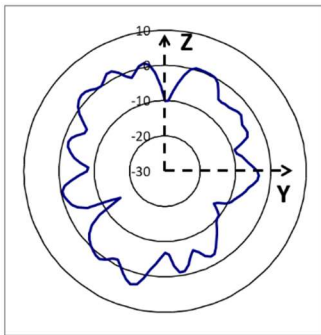
6000 MHz
Radiation Pattern

S11V



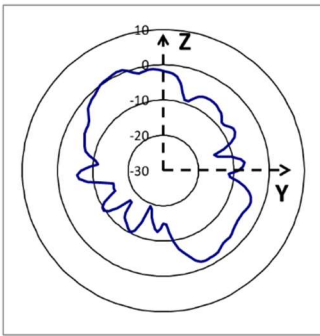
6000 MHz
Radiation Pattern

S11H



6000 MHz
Radiation Pattern

S12V



6000 MHz
Radiation Pattern

S12H

