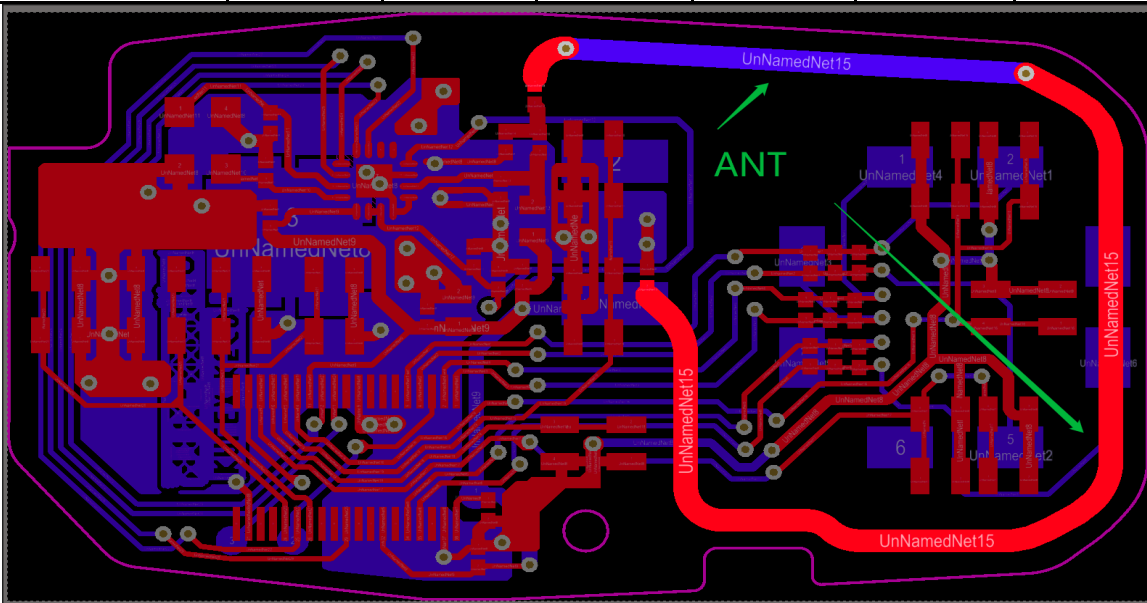


ANTENNA SPECIFICATION

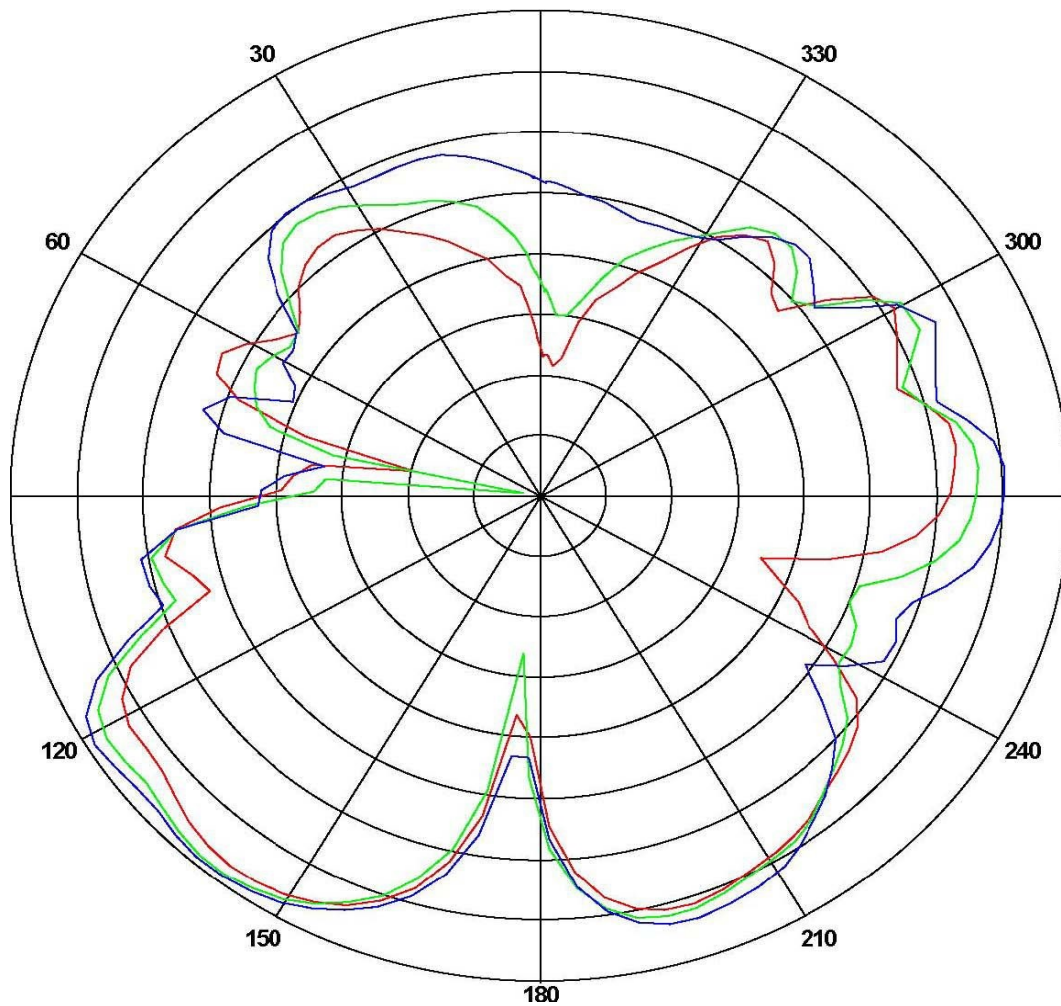
SUMMARY

| | | | | | | |
|----------------------|---|------------|-----------|-----------|-----------|-----------|
| ITEM | | | | BCKG15 | | |
| Model Name | | | | 315MHz | | |
| Center Frequency | | Horizontal | | | Vertical | |
| | 314.02MHz | 315.00MHz | 315.08MHz | 314.02MHz | 315.00MHz | 315.08MHz |
| | -15.32 | -11.25 | -16.06 | -15.32 | -11.25 | -16.06 |
| MAX Gain | -11.25 | | | | | |
| Polarization | Horizontal and Vertical | | | | | |
| Azimuth Beam Pattern | Omni-directional | | | | | |
| Impedance | 50 Ohm | | | | | |
| Antenna Length | 38.88mm | | | | | |
| Manufacture | key innovation | | | | | |
| Manufacture Address | 633 Hickory Hill Dr Vernon Hills, IL 60061 640-224-0031 info@keyinnovations.com | | | | | |

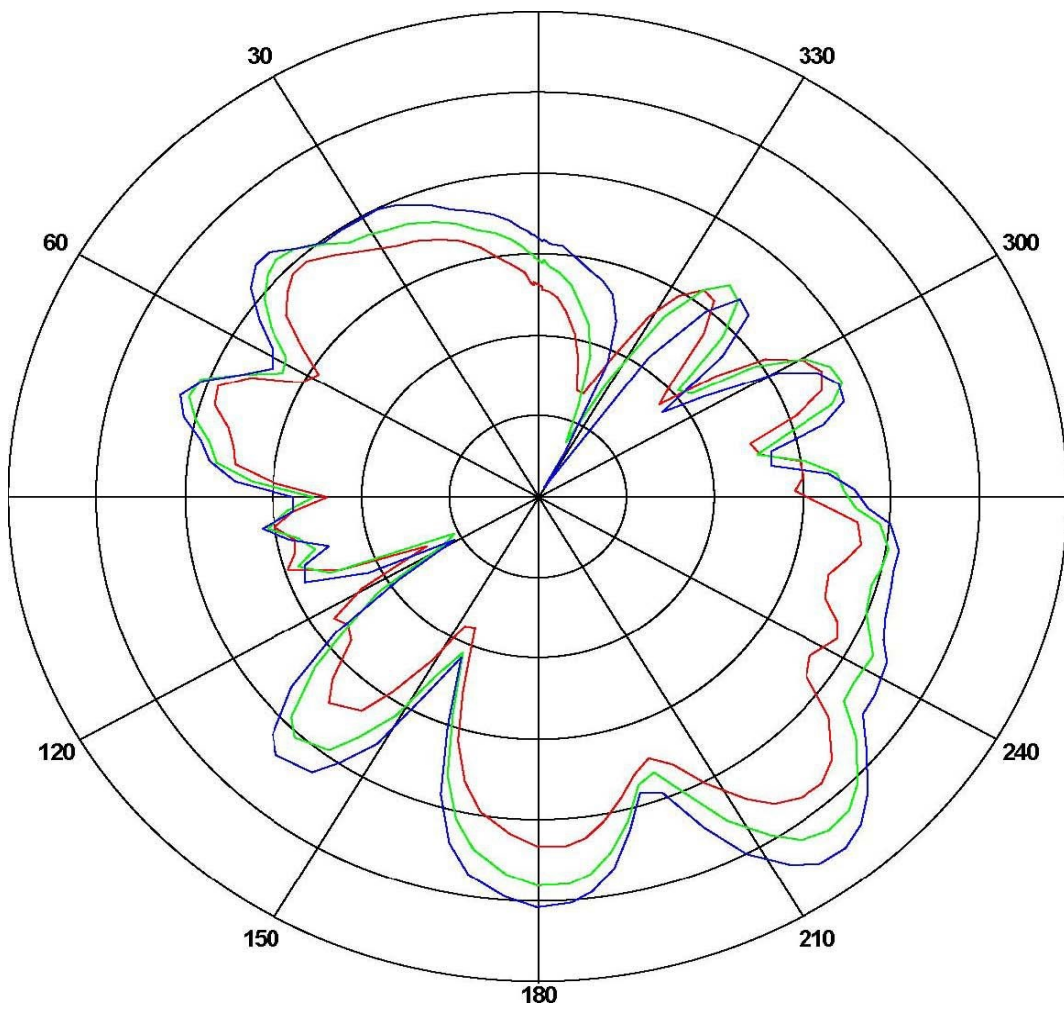
Antenna Photo



| |
|--|
| Horizontal: 314.02 MHz 315.00 MHz 315.08 MHz |
| Power (dBm) |
| Max: -11.25 Min: -16.06 Scale: 5/div |
| Vertical: 314.02 MHz 315.00 MHz 315.08 MHz |
| Power (dBm) |
| Max: -11.25 Min:-16.06 Scale: 5/div |



| Frequency (MHz) | Gain(dB) | | |
|--------------------|----------|--------|--------|
| | Max | Min | Avg |
| 314.02 | -13.38 | -18.76 | -15.59 |
| 315.00 | -11.25 | -16.06 | -13.54 |
| 315.08 | -12.96 | -19.33 | -17.85 |



| (MHz) | Max | Min | Avg |
|--------|--------|--------|--------|
| 314.02 | -13.38 | -18.76 | -15.59 |
| 315.00 | -11.25 | -16.06 | -13.54 |
| 315.08 | -12.96 | -19.33 | -17.85 |