

## 8-port Ultra-Wideband Base Station Antennas, supporting 1400 MHz (L-Band, LTE 1500): New Product

CommScope's introduces its RYVV-65 ultra-wideband antenna family, supporting 1400 MHz (L-Band, LTE 1500) and most all global wireless frequency bands ranging from 694 to 2690 MHz, as well as all three major air interfaces—a perfect solution for increasing network capacity with fewer antennas required. Operators can reduce the number of antennas in their networks—lowering tower leasing costs and speeding up deployments.

While size matters, this new design packs ultra-wideband performance that includes the new supplementary downlink L-Band in a standard antenna width (350 mm). This antenna family is optimized to deliver high performance in capacity-sensitive, data-driven environments. Additionally, the internal RET system is fully interoperable with all major OEM platforms.

- **Future-ready** with wideband performance on both high and low bands
  - High Bands support LTE 1500, 1800, 1900, 2100 MHz and 2.6 GHz
  - Low Bands support LTE 700/800 MHz, 850 MHz, GSM900/UMTS900/LTE900
- Supports new supplementary downlink capacity in 1400 MHz (L-Band, LTE 1500)
- 4.3-10 connector type offers a smaller size antenna end cap and exceptional PIM stability on the connector level
- Azimuth beamwidth stability across the frequency band provides better coverage and uniformity of coverage across the band
- Horizontally-spaced high band arrays enable optimum MIMO performance with 4T2R and 4T4R MIMO capability, including carrier aggregation support
- Optimized RF performance over all sub-bands
- Internal RET system allows independent control of each array. The four internally cascaded RETs are set to Single RET (SRET) model. RET color-coding is implemented for ease implementation.
- Withstands up to 241km/h wind speed



RYVV-65A-R4

Port Configuration



Array Layout



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	694-960	1-2	1	CPxxxxxxxxxxxxxxxxR1
G1	1427-1518	3-4	2	CPxxxxxxxxxxxxxxxxG1
Y1	1695-2690	5-6	3	CPxxxxxxxxxxxxxxxxY1
Y2	1695-2690	7-8	4	CPxxxxxxxxxxxxxxxxY2

Left Bottom Right

(Sizes of colored boxes are not true depictions of array sizes)

**Ordering Information:** Please visit eCatalog at the links provided below.

View Family: <http://www.commscope.com/SiteSearch/?q=RYYV>

Part Number	Beamwidth	Frequency (MHz) / Ports	Length (m)	RET option
<a href="#">RYYV-65A-R4</a>	4 x 65°	694-960MHz / 2-ports 1427-1518MHz / 2-ports 1695-2690MHz / 4-ports	1.5	4 internal RETs, 1 AISG I/O port pair, cascaded S-RET mode
<a href="#">RYYV-65B-R4-V2</a>	4 x 65°	694-960MHz / 2-ports 1427-1518MHz / 2-ports 1695-2690MHz / 4-ports	1.85	4 internal RETs, 1 AISG I/O port pair, cascaded S-RET mode.