

14-port L-Band Base Station Antenna family: New Product

Global Communications

CommScope's ultra wideband technology in combination of its best in class internal diplexer technology enables wireless operators to install one antenna where multiples were previously needed. The EGYHHTT-65 ultra wideband antenna family is capable of supporting the three major air-interface standards in almost any wireless frequency range including L-Band LTE1500 — perfect for network modernization. Operators can reduce the number of antennas in their networks, lowering tower leasing costs while increasing speed to market capability.

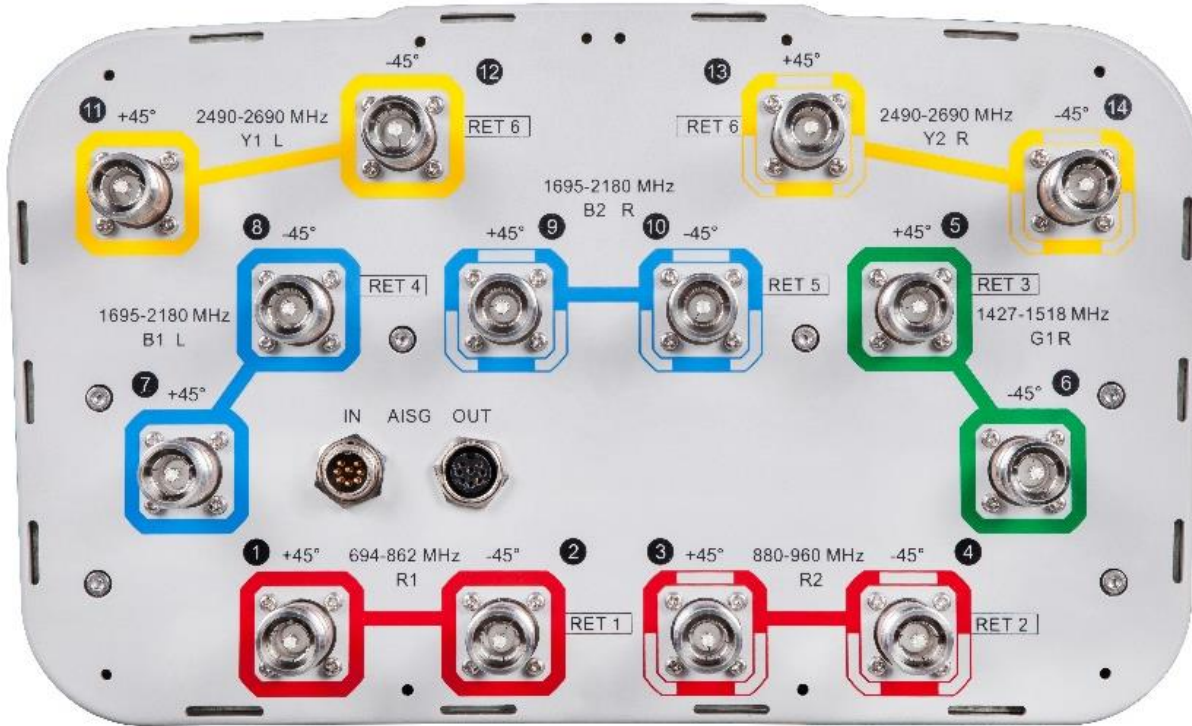
While size matters, this new antenna model maintains standard antenna width (350mm) but at the same time provides 2 independent low band systems plus 5 independent high band systems including the new supplementary down link LTE 1500 technology at same size of a standard antenna. This antenna family is optimized for high performance in capacity-sensitive, data-driven environments. Controlled by the new CommScope CommRET v1 integrated RET motors fully Interoperable with all major OEM platforms.

- Future proof site deployments, **ultra-wideband on diplexed high and low bands**
 - For lower bands, supports LTE 700/800 MHz & 850 MHz separated from GSM900/LTE900 applications
 - For higher bands, supports LTE 1800, 1900, 2100 MHz and 2.6 GHz networks
 - LTE 1500 supplementary down link technology support (SDL).
- **LTE 1500 supplementary down link technology** support.
- **Element diplexed technology** reducing the size on the antenna at same time maintaining independent down tilt control for both low and high band systems.
- **New 4.3-10 connectors** reducing the size on the antenna end cap and same time providing exceptional IMD 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 array configurations** for optimum MIMO performance. 4X2 & 4X4 including carrier aggregation support.
- **New Low- and UWB High Band radiators** for optimum RF performance over all sub-bands.
- **Integrated CommRET v1 Motors** for independent control of each array. Cascaded Single RET AISG v 2.0 protocol. LTE2600 ports controlled by a single RET motor for MIMO4x4 support. RET UID color coding implemented for ease of implementation.



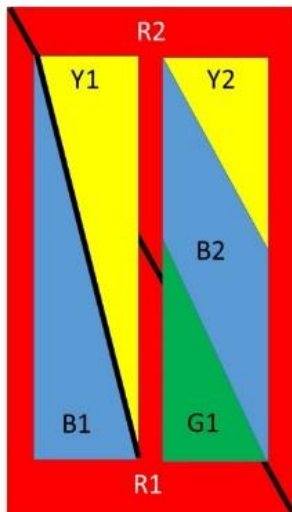
EGYHHTT-65A-R6

Port Configuration



Array Layout

Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	694-862	1-2	1	CPxxxxxxxxxxxxxxxxR1
R2	880-960	3-4	2	CPxxxxxxxxxxxxxxxxR2
G1	1427-1518	5-6	3	CPxxxxxxxxxxxxxxxxG1
B1	1695-2180	7-8	4	CPxxxxxxxxxxxxxxxxB1
B2	1695-2180	9-10	5	CPxxxxxxxxxxxxxxxxB2
Y1	2490-2690	11-12	6	CPxxxxxxxxxxxxxxxxY1
Y2	2490-2690	13-14		



Ordering Information:

Please see details below.

Part Number	Beam width	Frequency (MHz)	length	RET option
EGYHHTT-65A-R6	7 x 65°	694-862MHz / 2-ports 880-960MHz / 2-ports 1427-1518MHz / 2-ports 1695-2180MHz / 4-ports 2490-2690 MHz / 4-ports	1.5m	6 integrated CommRET v1 motors 1 AISG I/O port pair; cascaded S-RET mode. Ports 11-14 controlled by one CommRET v1 motor, MIMO 4x4 ready
EGYHHTT-65B-R6	7 x 65°	694-862MHz / 2-ports 880-960MHz / 2-ports 1427-1518MHz / 2-ports 1695-2180MHz / 4-ports 2490-2690 MHz / 4-ports	1.85m	6 integrated CommRET v1 motors 1 AISG I/O port pair; cascaded S-RET mode. Ports 11-14 controlled by one CommRET v1 motor, MIMO 4x4 ready

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