

New LTE1400 (L-Band) Multiband Combiners and Tower Mounted Amplifier

CommScope introduces new end-to-end solutions for 1400 MHz (L Band) deployments with a dedicated range of 1400 MHz-ready Multiband Combiner and TMA products.

The new multiband combiner family is MIMO-ready for LTE applications using LTE1400 (L Band), LTE1800 (Band 3), LTE2100 (Band 1), LTE2300 (Band 40) or LTE2600 (Band 7 or 38) spectrum. This new design eases introduction of new LTE1400 technology by simplifying site configurations—presenting a cost-effective network modernization solution.



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Multiband Combiner Benefits

- Accelerates introduction of new bands/technologies
- Smart DC/AISG bypass technology removes the requirement for external DC Stops, minimizes installation error and enables future-ready reconfigurations
- Low Insertion Loss prevents impact on existing services
- 4.3-10 connectors for improved PIM performance and size reduction
- Network modernization with limited investment



Multiband Combiner Ordering Information:

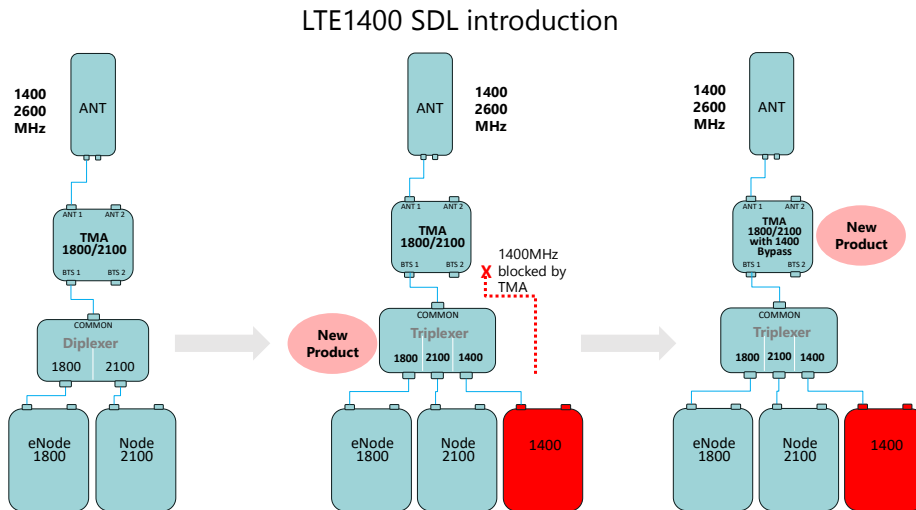
Please visit eCatalog at the link provided below:

Part Number	Description	Input: Output
E14F05P59	Twin Diplexer 380-960/1425-2690 DC Smart bypass	4:2
E14F05P66	Twin Diplexer 1350-1525/1710-2690 DC Smart bypass	4:2
E14F10P29	Twin Triplexer 1350-1525/18/21-23-26 DC Smart Bypass	6:2
E14R00P35	Dual Band TMA 1800/2100 with 1400MHz Bypass	2:2

The [E14R00P35](#) dual band TMA for 1800/2100 MHz with 1400 MHz bypass complements CommScope's new 1400 MHz multiband combiner family, as well as CommScope base station antenna models supporting Z array (1427–2690 MHz). This new 1400 MHz-ready TMA provides a simple, cost effective solution for introducing new LTE1400 services onto existing 1800/2100 MHz infrastructure in a fully integrated, compact package.

TMA Benefits

- Integrated 1400 MHz RF Bypass allows 'pass through' of new LTE1400 technologies without the need for additional combining stages at the antenna end, minimizing 'box' count and additional insertion loss
- Reduces link imbalance
- Improves base station sensitivity, resulting in reduced drop calls and increased cell capacity
- Offsets the insertion loss of RF cables and jumpers
- Amplifies RX signal, ensuring optimum coverage in cell edge area, weak spots, and indoor locations
- Enables use of higher-order modulations to increase traffic capacity and prevent unnecessary drain on end-user's battery
- Improves PIM performance and eases installation with smaller 4.3-10 connectors



Are you interested in any customized variants? Just contact us.