

## 2T2R FRONT END MODULES FOR 5G ACTIVE ANTENNAS

LPA Concepts front end modules are designed for direct connection to a radio board. Their very compact design allow an easy integration of these modules within an antenna.

### INTEGRATING FRONT END MODULES INTO STANDARD BASE STATION ANTENNAS

Four 2T2R dual antenna modules can sit side by side within the width of a typical 8T8R antenna. All 4 modules are connected to a single 8T8R radio board situated on the same plane as the modules.



Band 41 dual 50Wp front end module

The connection to the antenna filter is done either with an MCX connector and a cable, or with a PSMP connector for blind mating with the filter.

### INTEGRATING FRONT END MODULES INTO TWO DIMENSIONAL ANTENNA ARRAYS

In 64T64R two dimensional antenna arrays the radio board is situated below the modules whereas the connections, after filtering, to the antenna elements are made at the top of the module.



Band 42 dual 30Wp front end module

These 2T2R modules have been designed for a simple electrical connection to the RFSOC board and for a good thermal conduction of all the elements to the back of the antenna array.

Connections to the antenna elements can be customised to specific designs.

*Contact factory for more information.*