

Why SPIRIT1 is better?

- **SPIRIT1 does not need an external PLL loop filter**
- **SPIRIT1 does not need an external tank for the VCO**
- **SPIRIT1 does not need an external TX SAW filter to reduce spurious emissions**
- **SPIRIT1 does not need any external SAW filter in RX to obtain good image rejection**
- **SPIRIT1 has single ended TX - lower current consumption than the differential TX output**
 - **Single ended TX is more practical** for attachment to external PAs available in the market
- **SPIRIT1 differential RX input is less sensitive to noise**
 - Configuration with TX and RX connected together does not allow to use an external range extender and/or an antenna switch, with SPIRIT1 it is possible
- **SPIRIT1 has an excellent RX time-out management**
 - Any AND/OR combination of CS, SQI and PQI valid signals can be used to guarantee that the receiving of a valid packet will be not interrupted by time-out