

## The research of wireless communications.

(1) The research of filter circuit.

Ultra Wideband bandpass filter (Patent)

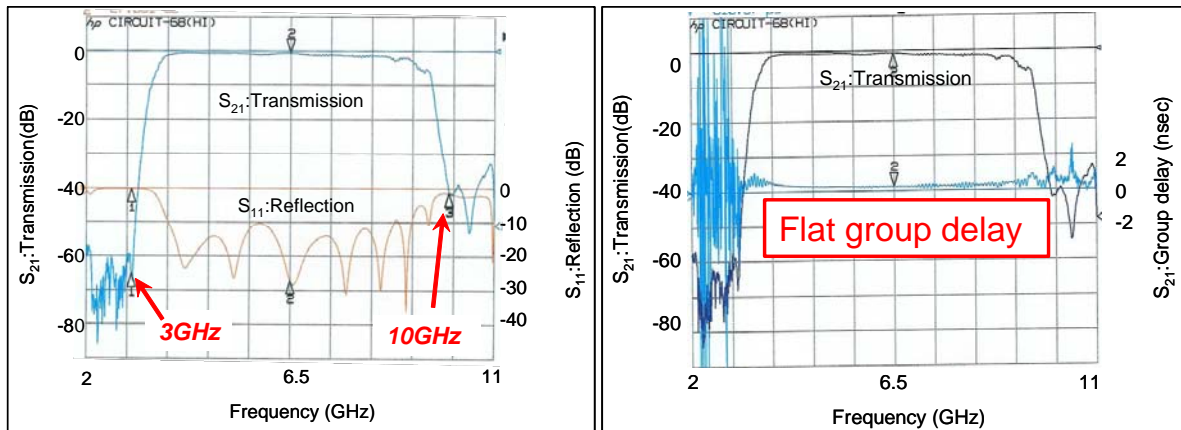


Fig. 1 Measured results of the Ring Filter Transmission and Reflection characteristics.

Ring Band-Stop Filter

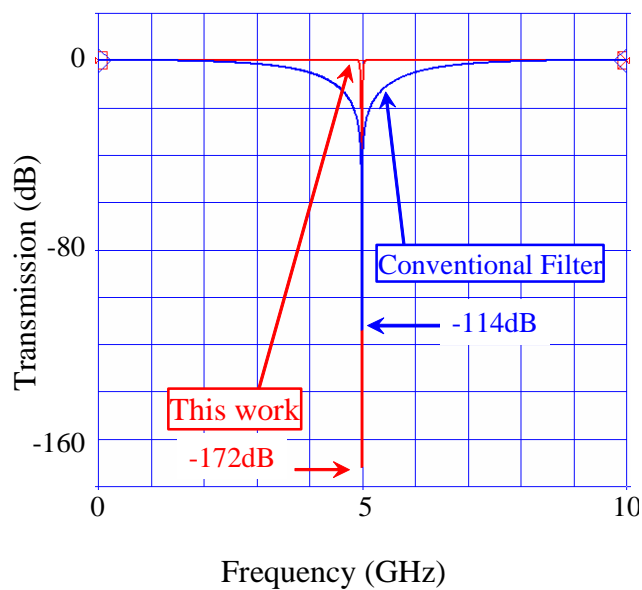


Fig. 2 Measured results of the Ring Filter.

(2) The research of Oscillator Circuit.

Object : Research of Oscillator with ultra low phase noise filter and High stable noise filter.

- ① Research of High Q resonator, FBAR · MEMS, etc.,.
- ② Research of Low noise amplifier.
- ③ Research of Oscillator Circuit.