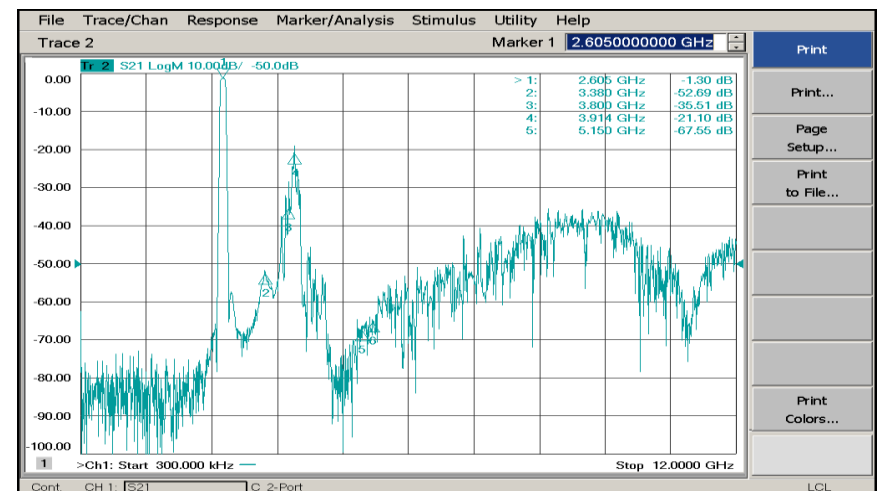
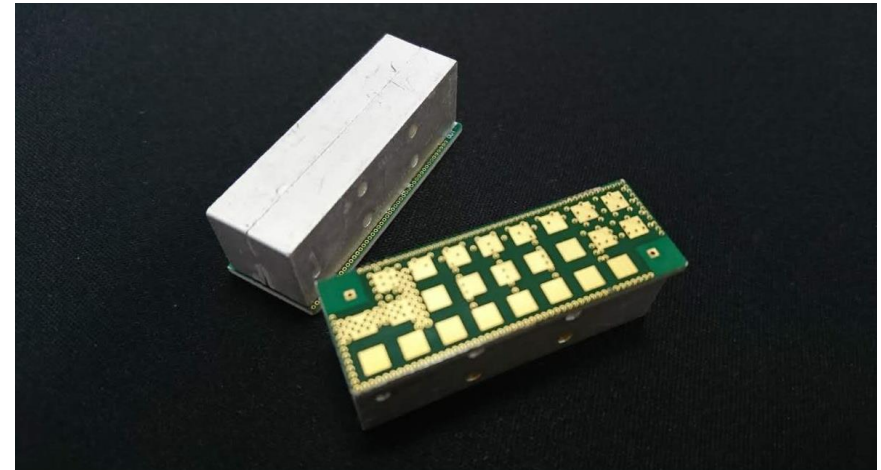


05

## Future Focus

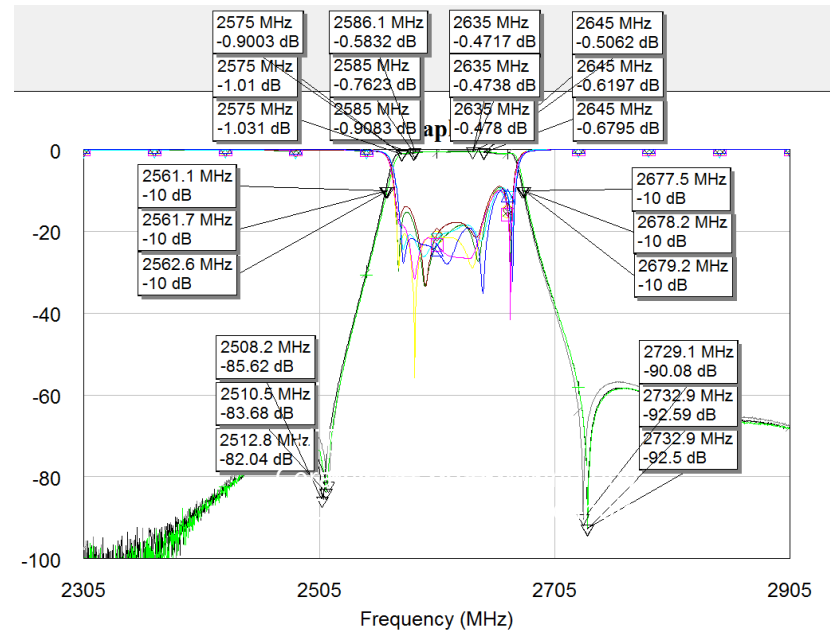
# Integrated low - pass technology

- All shielded stripline structure
- Microwave or ceramic substrate
- Suitable for medium waveguide and TEM mode filter
- Small insertion loss
- 20W average power
- There is no need to occupy the main board area alone.



# Filter – without tuning

- Optimize the design of filter structure
- Precision mould
- Precision machining
- Suitable for single mode and multimode dielectric waveguide



# Ceramic material

- 63 mature materials ready for design
- Cost & performance
- Rapid temperature drift adjustment
- Low loss low dielectric constant ceramic material
  - $2 < DK < 6$
  - $> 10\text{GHz}$
  - Low loss
- Low loss high dielectric constant ceramic material
  - $DK > 120$
  - Suitable for low frequency products
  - Low loss
- Non-rare earth materials

