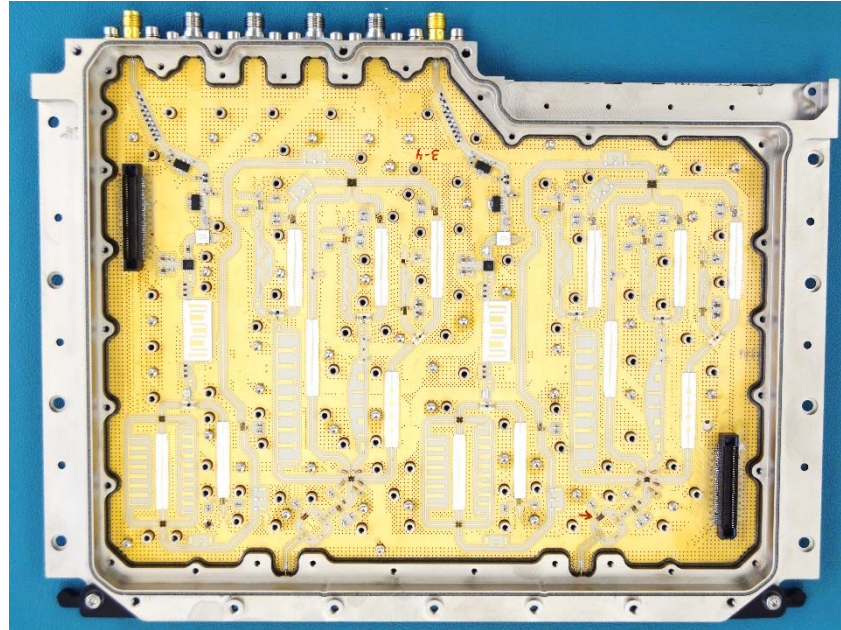


ERZIA

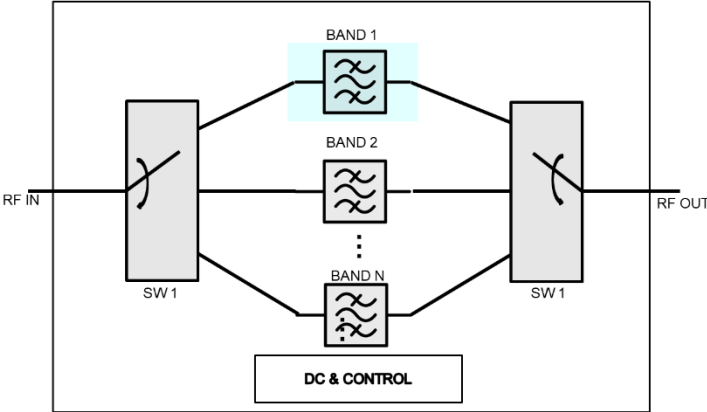


SWITCHED FILTER BANKS

ERZIA SWITCHED FILTER BANKS

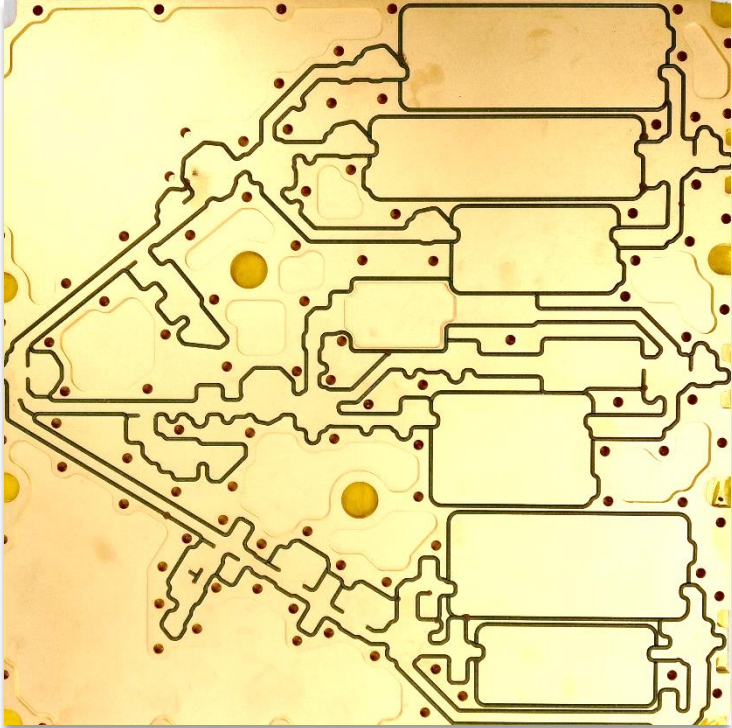
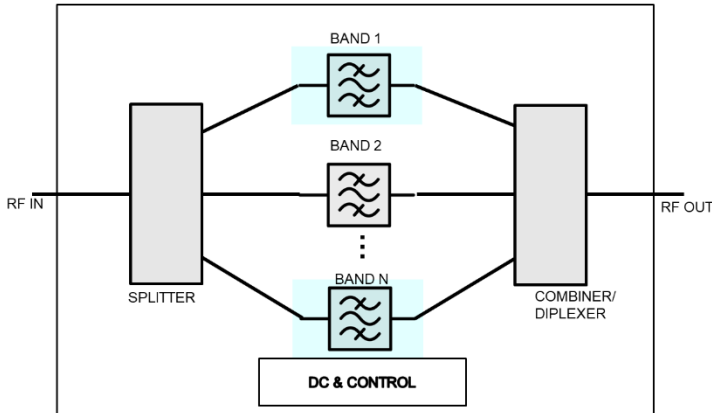
✓ Traditional Switched Filter Banks

- ✓ 1 Band selected each time



✓ Random or selective

- ✓ One or several filters active at the same time



ERZIA SWITCHED FILTER BANKS

✓ Additional features

- ✓ Can be fully customized
 - ✓ Multiple inputs/outputs
 - ✓ Built in Test
 - ✓ Amplification / Attenuation
 - ✓ Phase shifting

✓ RF range

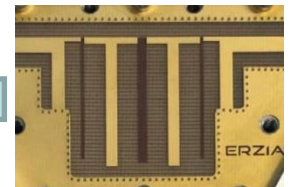
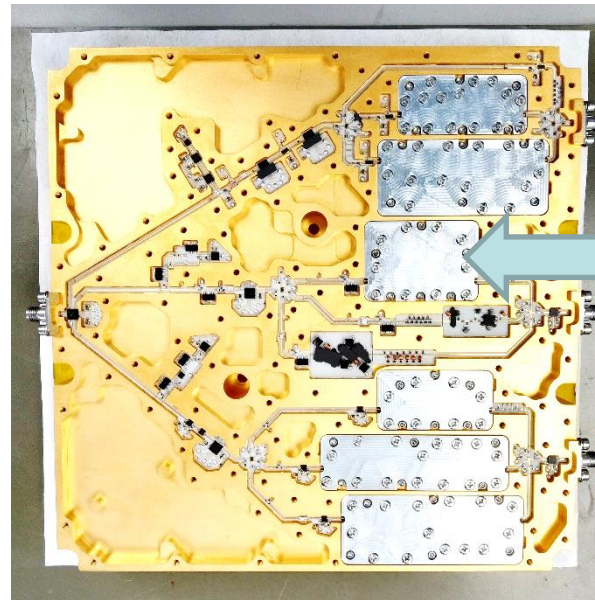
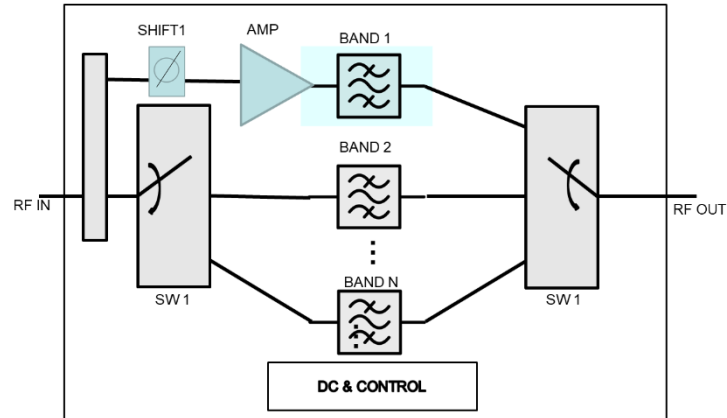
- ✓ From DC up to 100+ GHz

✓ State of the Art Filter technology

- ✓ Suspended Substrate
- ✓ Coupled resonators
- ✓ Microstrip
- ✓ Miniaturized lumped elements
- ✓ Cavity diplexers

✓ Reliable

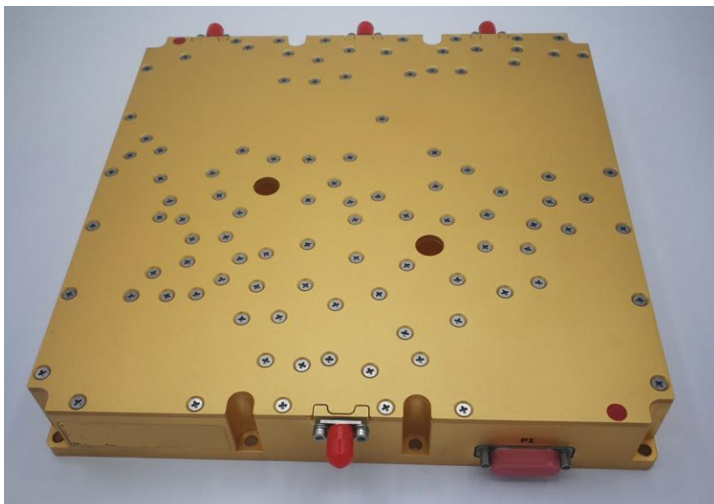
- ✓ Wide experience in airborne platforms



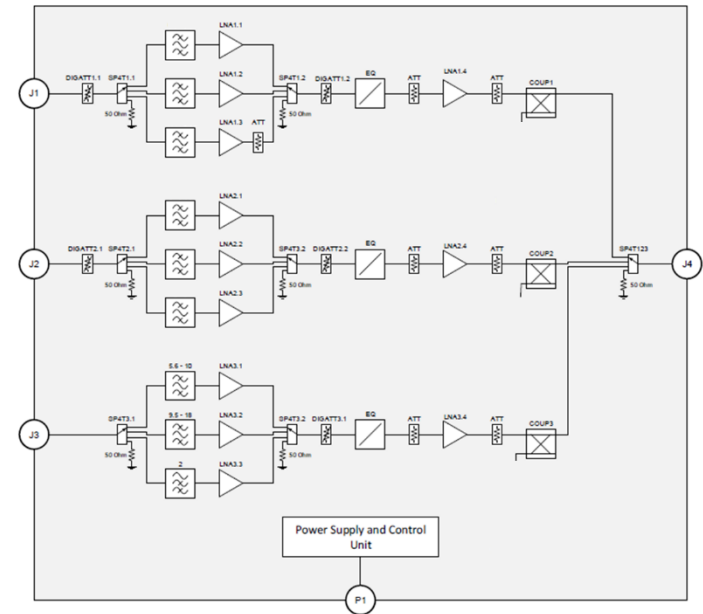
Example of Switched Filter Bank

✓ Highlights

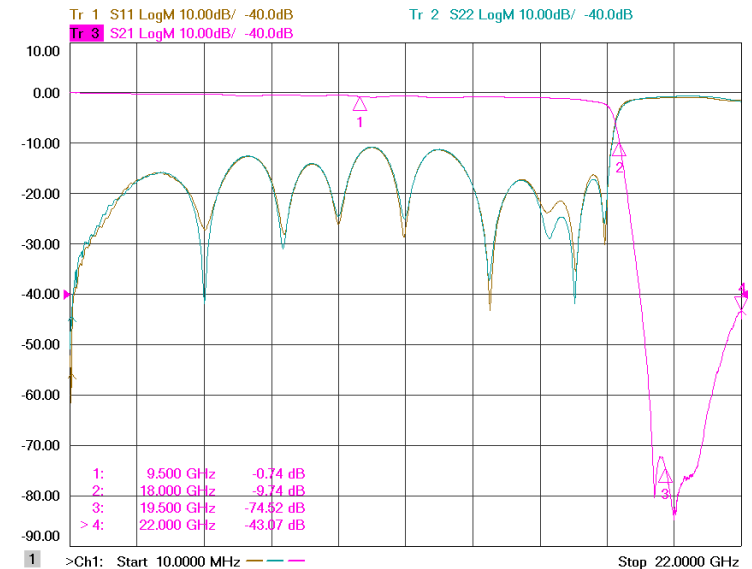
- ✓ 9 Bands between DC and 18 GHz
- ✓ EW application
- ✓ Independent gain control per each channel
- ✓ 100% Solid State Technology
- ✓ Fast control setting < 120ns
- ✓ Fast switching time < 60 ns
- ✓ Environmentally Qualified



General Block Diagram



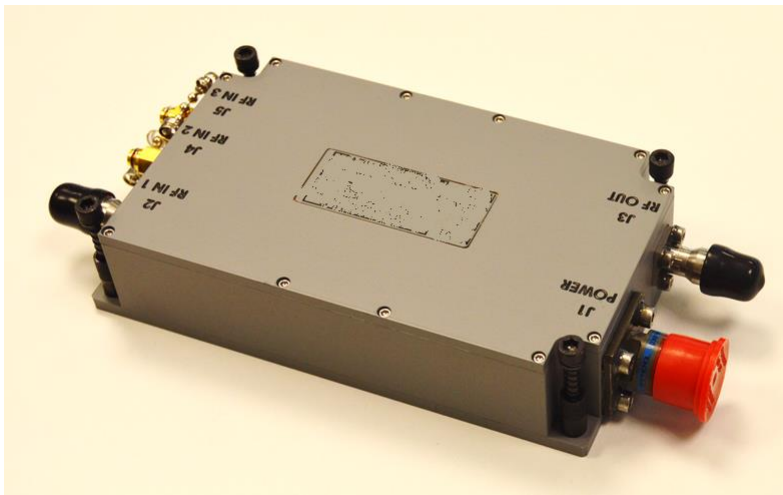
DC-18 GHz Channel



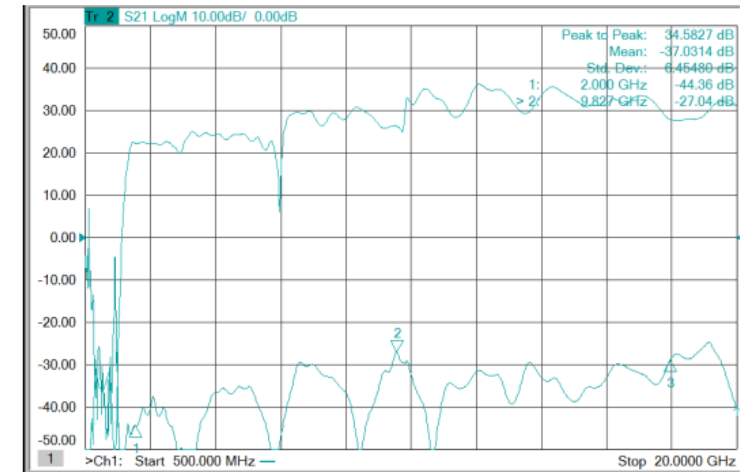
Example of Random Channel Selection in SFB

✓ Highlights

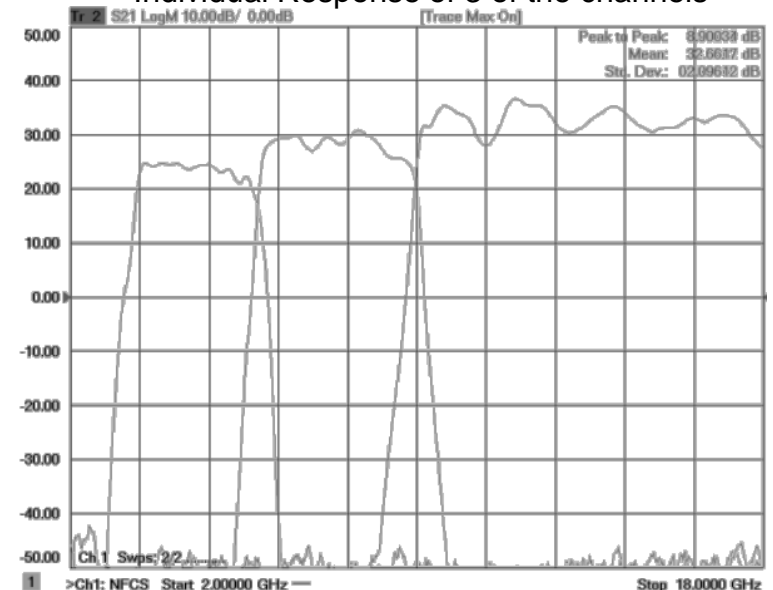
- ✓ 4 Bands between DC and 24 GHz
- ✓ EW airborne application
- ✓ Independent and random channel selection
 - ✓ Simultaneous channels can be activated/combined
 - ✓ Individual gain control of each channel
- ✓ 100% Solid State Technology
- ✓ Environmentally Qualified



Several Channels ON at the same time



Individual Response of 3 of the channels



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