

Microwave Sensors for Industry and Industrial Automation

(FEIM – Future Electronics for Industry 4.0 and Medical 4.0 project)

Objectives of the Project

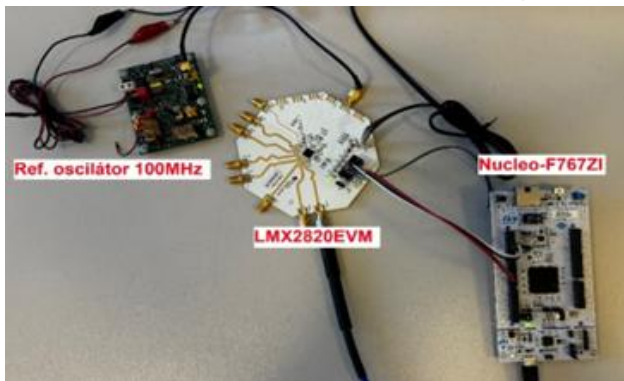
Development of non-contact microwave sensors for measurement of distances and thickness of metal strips with minimized sensitivity on neighbouring environment and tilt of the bands.

Topics covered by the Project

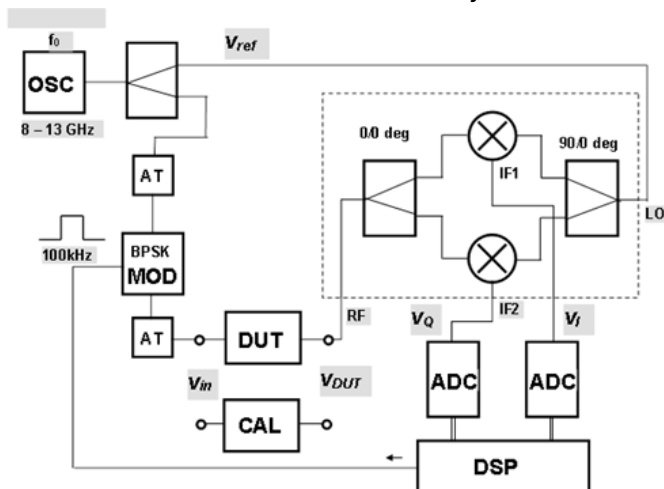
- Development of microwave frequency synthesizer with fast tuning
- Development of microwave sensor for distance measurement
- Development of microwave sensor thickness measurement of metal bands

What will the Project Results enable?

- Current circuit realization of microwave synthesizer



- Block schema of vector network analyzer



Selected Results

- Microwave frequency synthesizer with fast tuning
- Microwave sensor for distance measurement
- Microwave sensor thickness measurement of metal bands

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More about FEIM project can be found on [projects webpage](#).