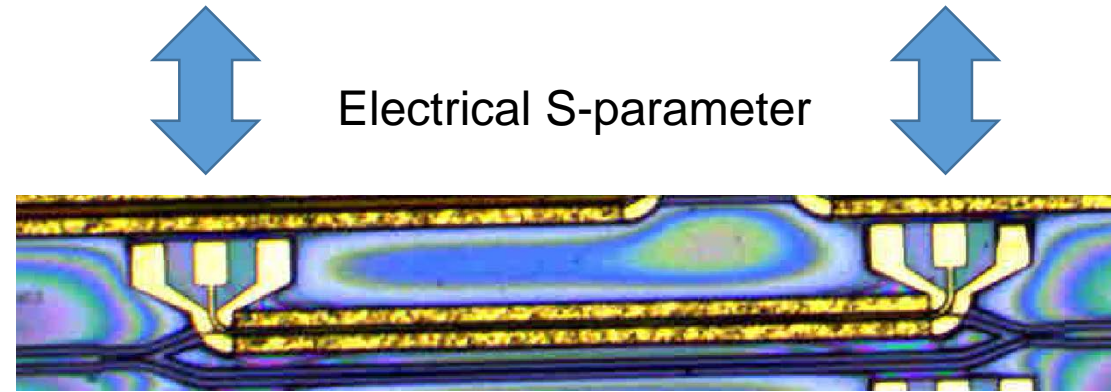
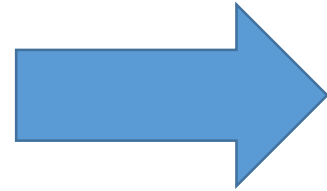
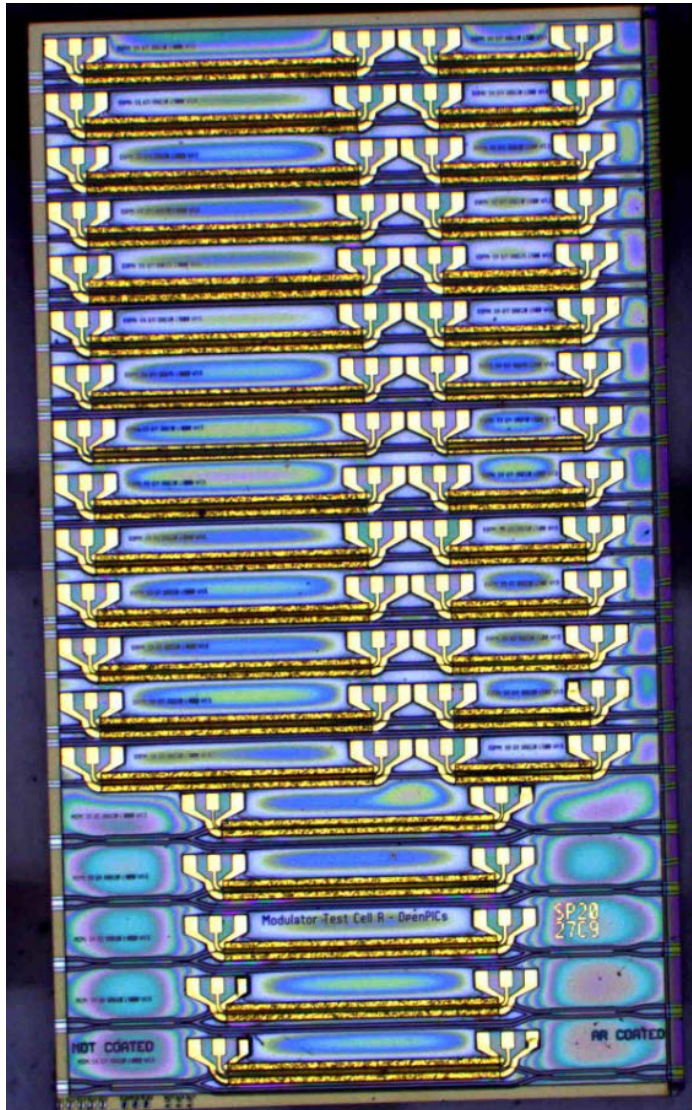


Nr.	Description	Responsible
1.	DBR Laser test Results shown of DBR laser on SP19 with good performance values. Saeed mentions measurements from EFFECT indicating 50 cm ⁻¹ coupling. Mentions possible butt-joint reflections in measurement.	
2.	Generic BB Test Cell Meint suggests new structure for electrical loss measurement involving DBRs.	
3	Data Structure Model Discussion on data model: Ronald will present example in January to illustrate the concept and its application for project partners.	Ronald, Jan 2018
4	Description Files Chip, measurement and equipment description files can contain information for automated measurement of chips. Xaveer will show in 4 weeks a demonstration of how those are structured.	Xaveer, 4 th Dec 2017

- Started as technical meeting, weekly meetings might be too frequent
- Mix of planning and technical discussion, mix of attendees → needs more focus

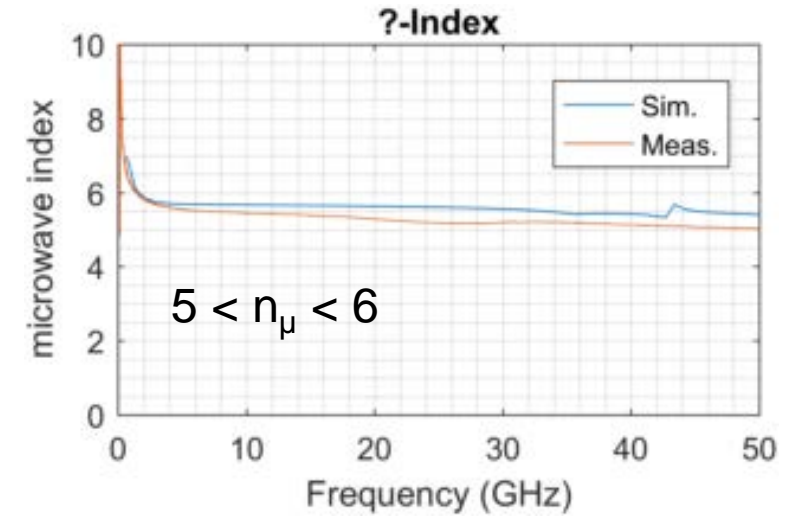
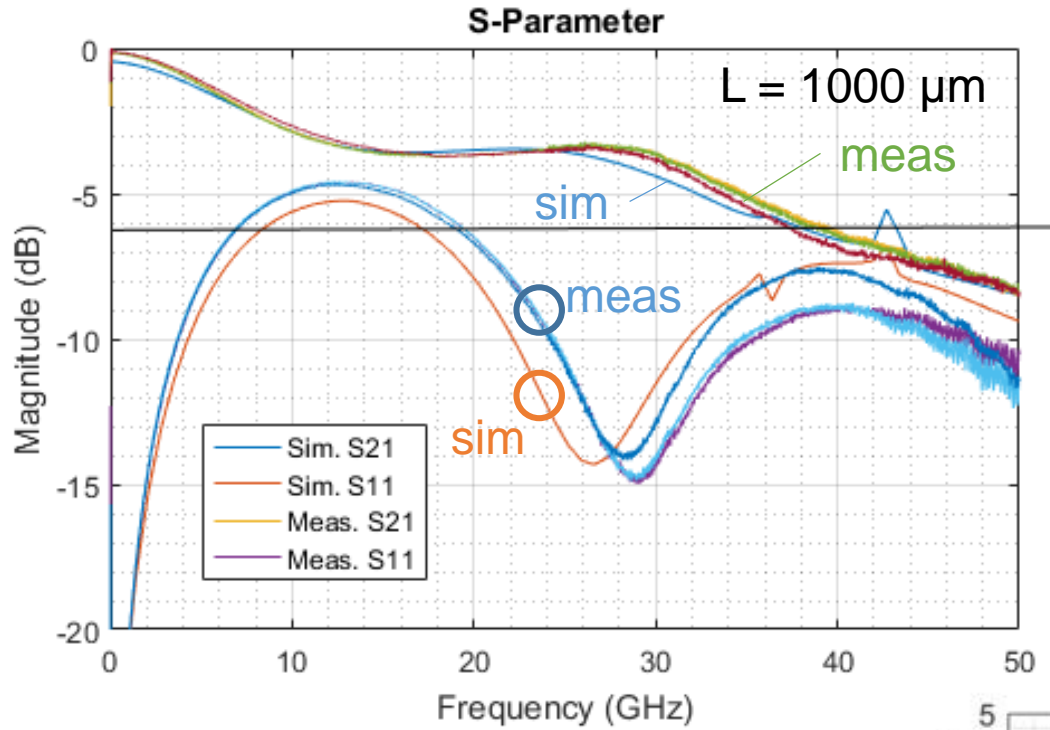
- Monthly meeting dedicated to PLANNING
- One person per partner + Victor and Weiming

- Technical discussions offline

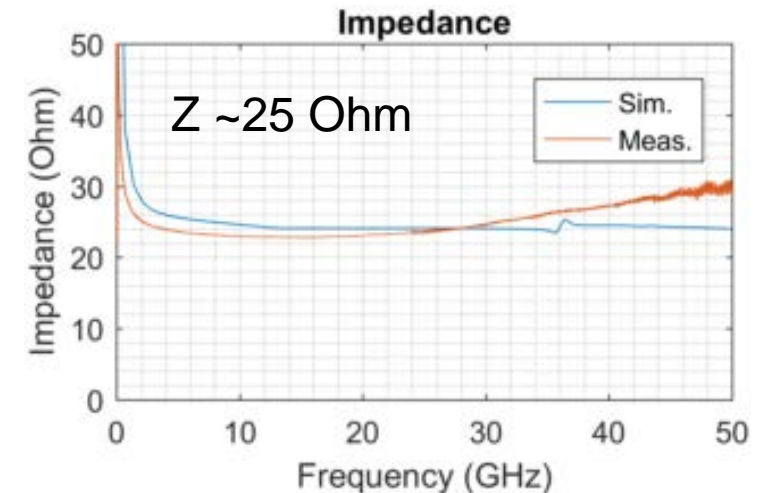
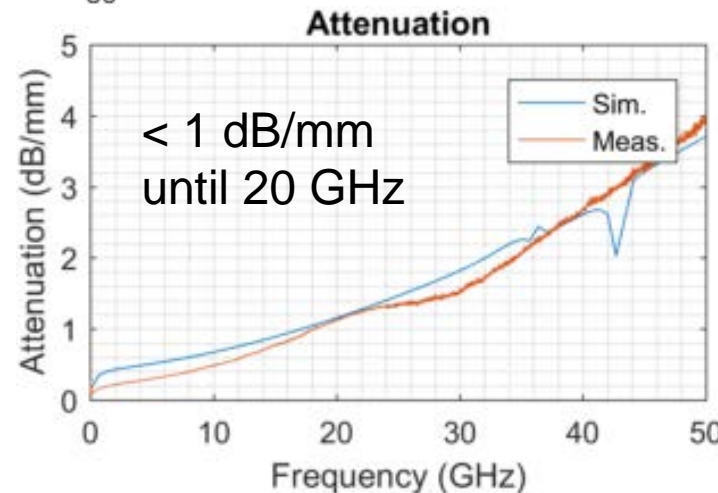


- 6 dB bandwidth
- Attenuation (dB/mm)
- Impedance (Ohm)
- Index (velocity match)

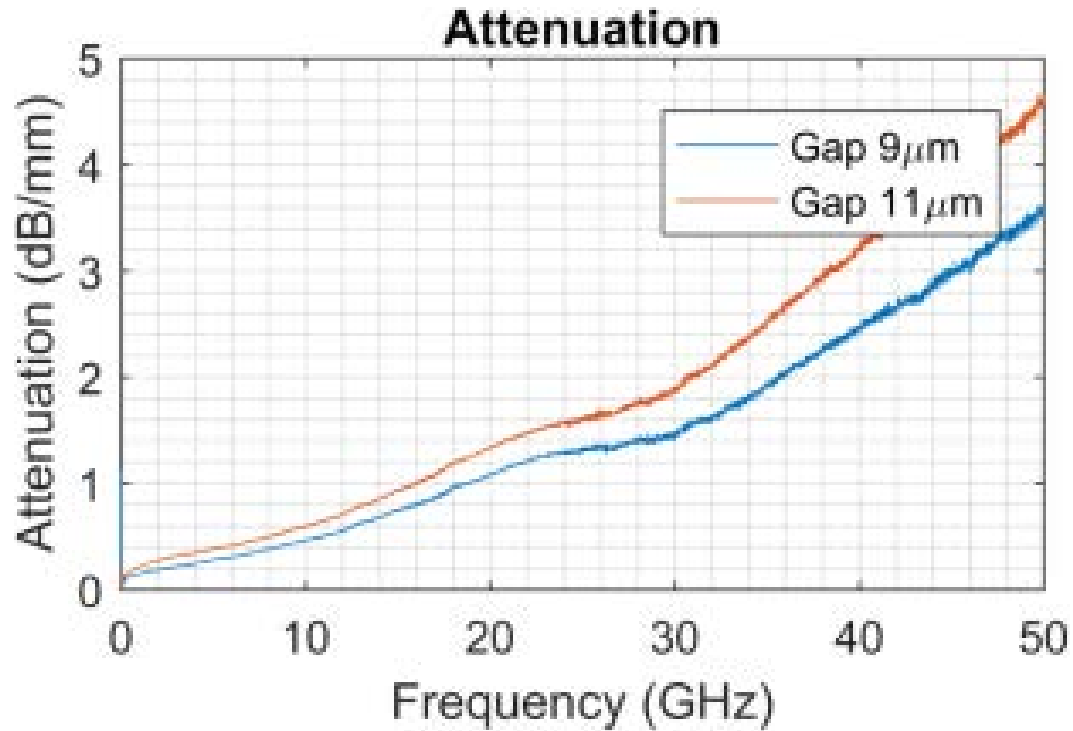
Sim S09-10-20 vs Meas S09-11-20



$L = 1000 \mu\text{m} \rightarrow 38 \text{ GHz bandwidth}$
 With pads $\sim 32 \text{ GHz bandwidth}$



Gap



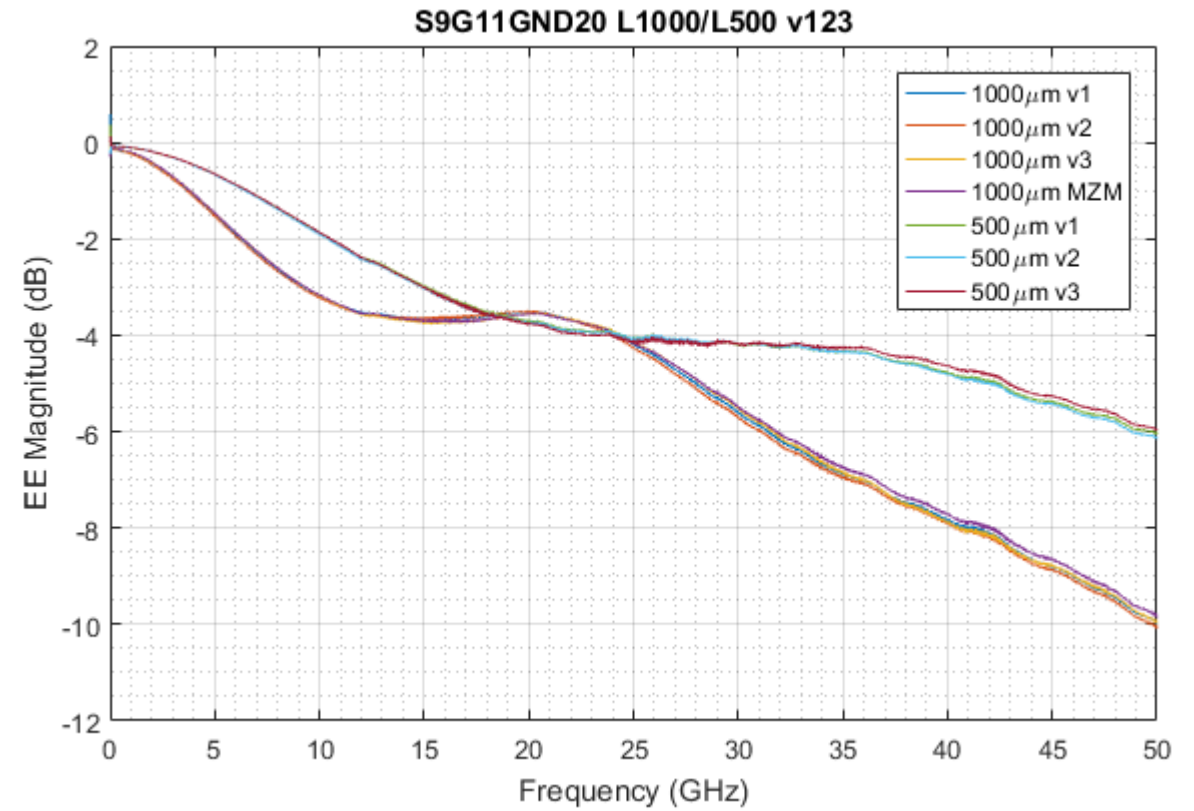
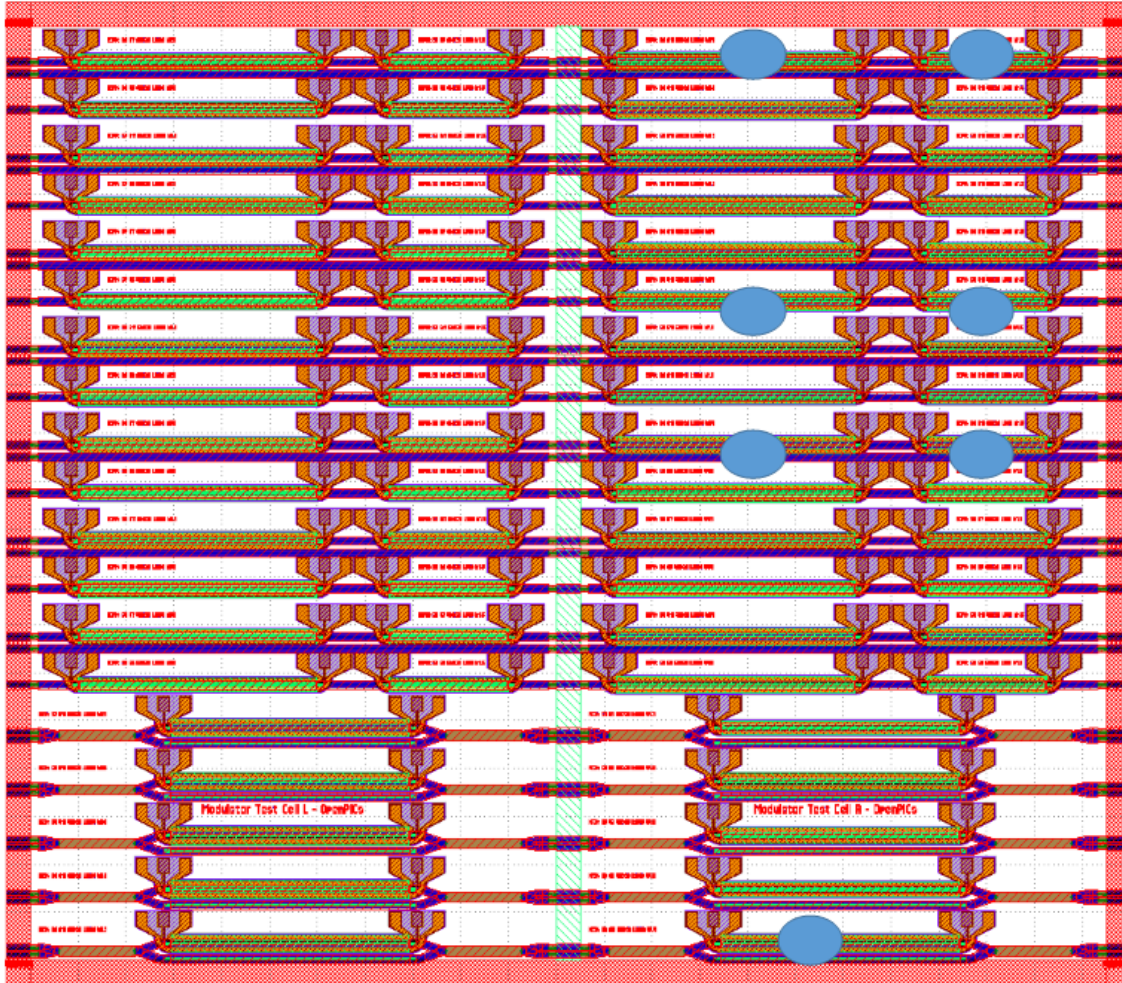
Limit to gap dimension = 9 μm

5	5	20	1.5	yes	EOPM	500				
5	5				PM	1000				
5	7				PM	500				
5	7				PM	1000				
5	9	20	1.5	yes	EOPM	500				
5	9	20	1.5	yes	EOPM	1000				
5	11	20	1.5	yes	EOPM	500			S	
5	11	20	1.5	yes	EOPM	1000			S	
6	5	20	1.5	yes	EOPM	500				
6	5	20	1.5	yes	EOPM	1000				
6	7	20	1.5	yes	EOPM	500				
6	7	20	1.5	yes	EOPM	1000				
6	9	20	1.5	yes	EOPM	500				
6	9	20	1.5	yes	EOPM	1000				
6	11	20	1.5	yes	EOPM	500			S	
6	11	20	1.5	yes	EOPM	1000			S	
7	5	20	1.5	yes	EOPM	500				
7	5	20	1.5	yes	EOPM	1000				
7	7	20	1.5	yes	EOPM	500				
7	7	20	1.5	yes	EOPM	1000				
7	9	20	1.5	yes	EOPM	500				
7	9	20	1.5	yes	EOPM	1000				
7	11	20	1.5	yes	EOPM	500			S	
7	11	20	1.5	yes	EOPM	1000			S	
8	5	20	1.5	yes	EOPM	500				
8	5	20	1.5	yes	EOPM	1000				
8	7	20	1.5	yes	EOPM	500				
8	7	20	1.5	yes	EOPM	1000				
8	9	20	1.5	yes	EOPM	500				
8	9	20	1.5	yes	EOPM	1000				
8	11	20	1.5	yes	EOPM	500			S	
8	11	20	1.5	yes	EOPM	1000			S	
9	5	20	1.5	yes	EOPM	500				
9	5	20	1.5	yes	EOPM	1000				
9	7	20	1.5	yes	EOPM	500				
9	7	20	1.5	yes	EOPM	1000				
9	9	20	1.5	yes	EOPM	500				
9	9	20	1.5	yes	EOPM	1000				
9	11	20	1.5	yes	EOPM	500			S	
9	11	20	1.5	yes	EOPM	1000			S	

5, 7 μm

9, 11 μm

Device to device spread



< 0.05 dB @ 10 GHz
< 0.2 dB @ 50 GHz