

# Project "SETI"

**Device:** ALN202MA011\_LNF  
("LNF\_ABLN0511B")

**Run:** IAF752a

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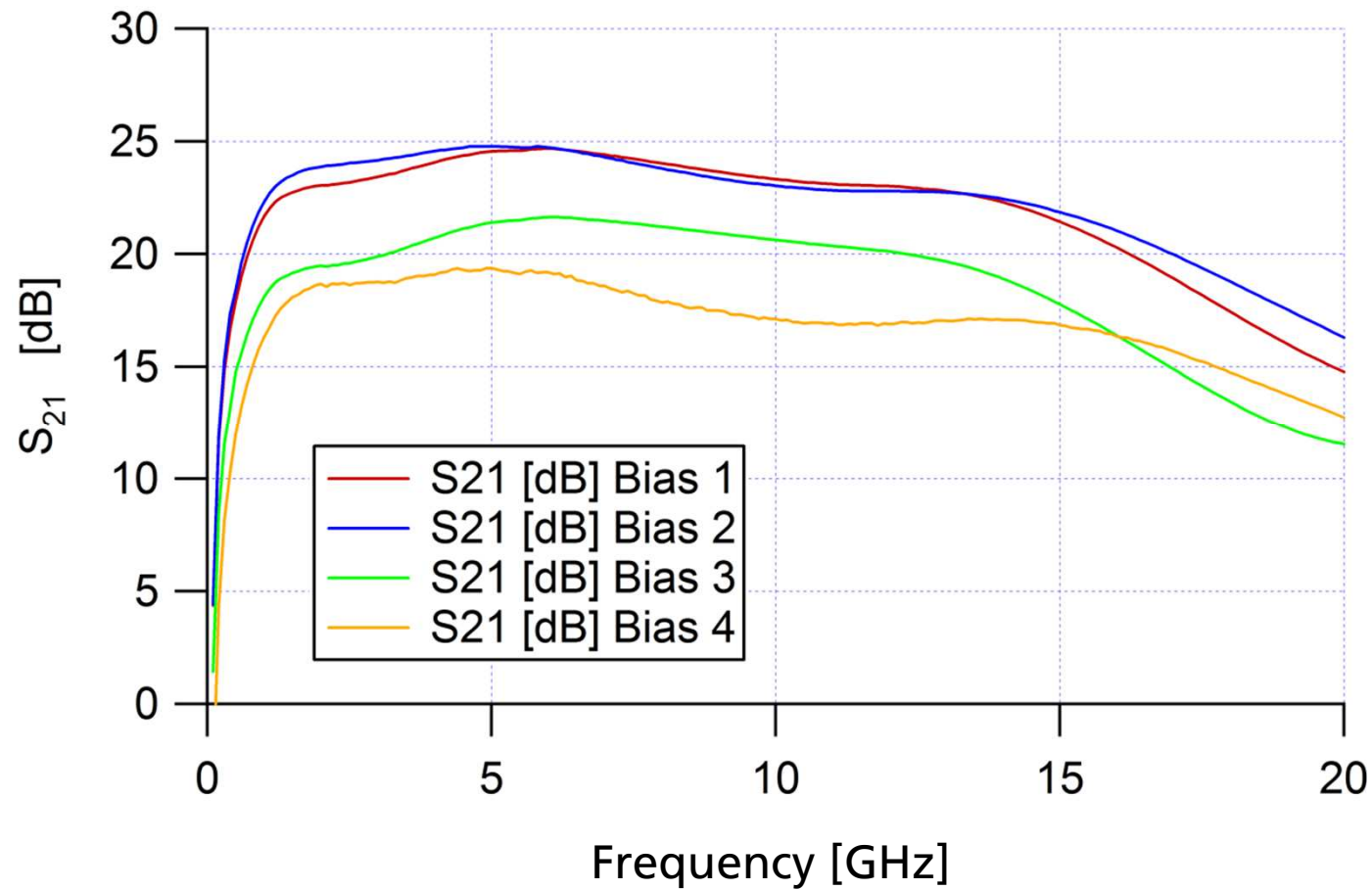
## Bias conditions:

	VD	V-	ID	VGS	Comments
	V	V	mA	V	
Bias 1	2.1	-1.5	112	var.	Pretests: Niklas (email: 23.11.12)
Bias 2	2.0	-1.45	120	var.	All measurements at IAF
Bias 3	2.4	-1.65	112	var.	Noise-tests: Niklas (email: 10.07.13)
Bias 4	1.8	-1.2	var.	0	All measurements old run, year 2007

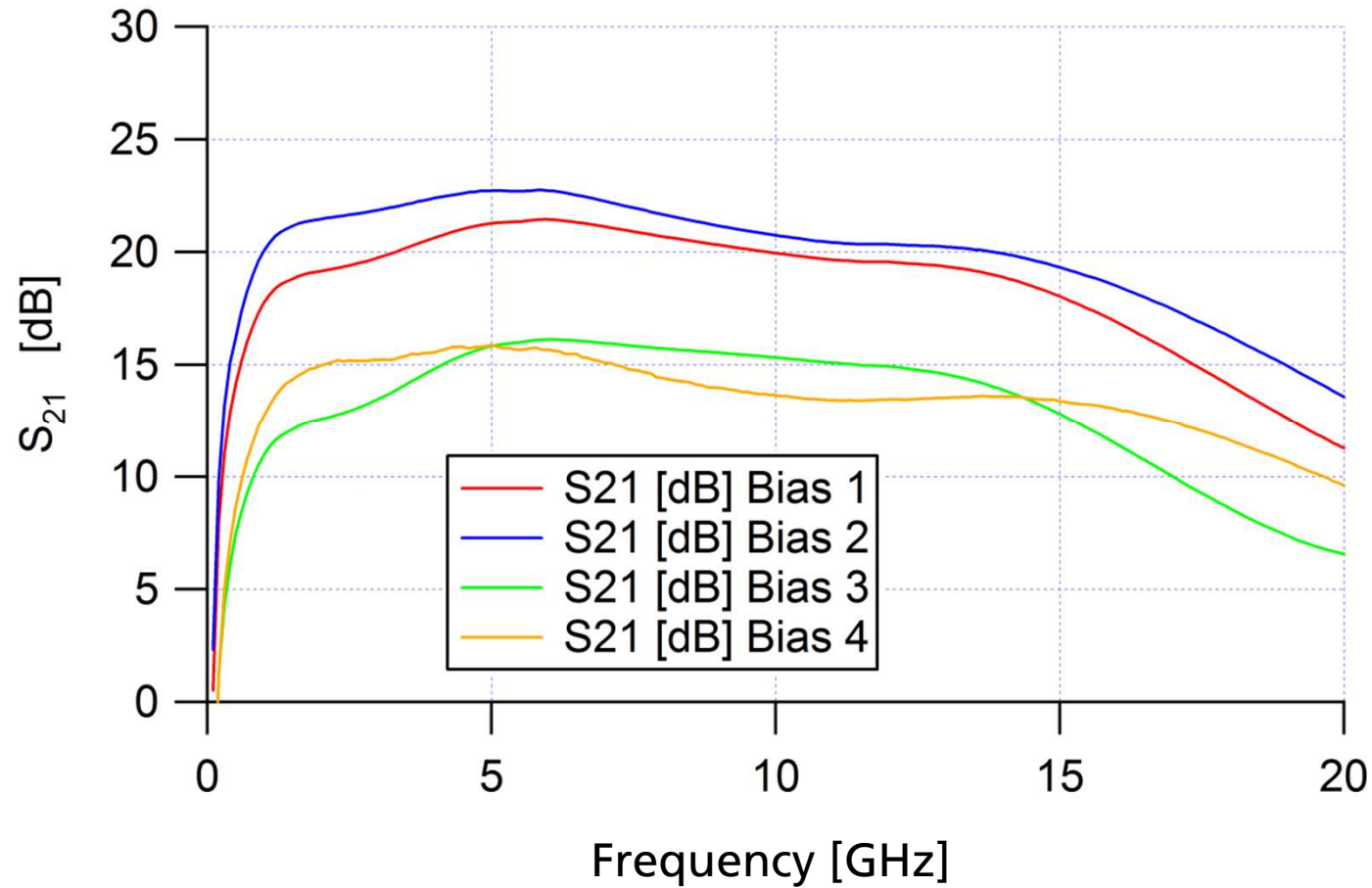
Bias 3 is too high, because we calculated an VDS of more than 1.3 V

Bias 1 and 2 produce a VDS under 1 V; GOOD

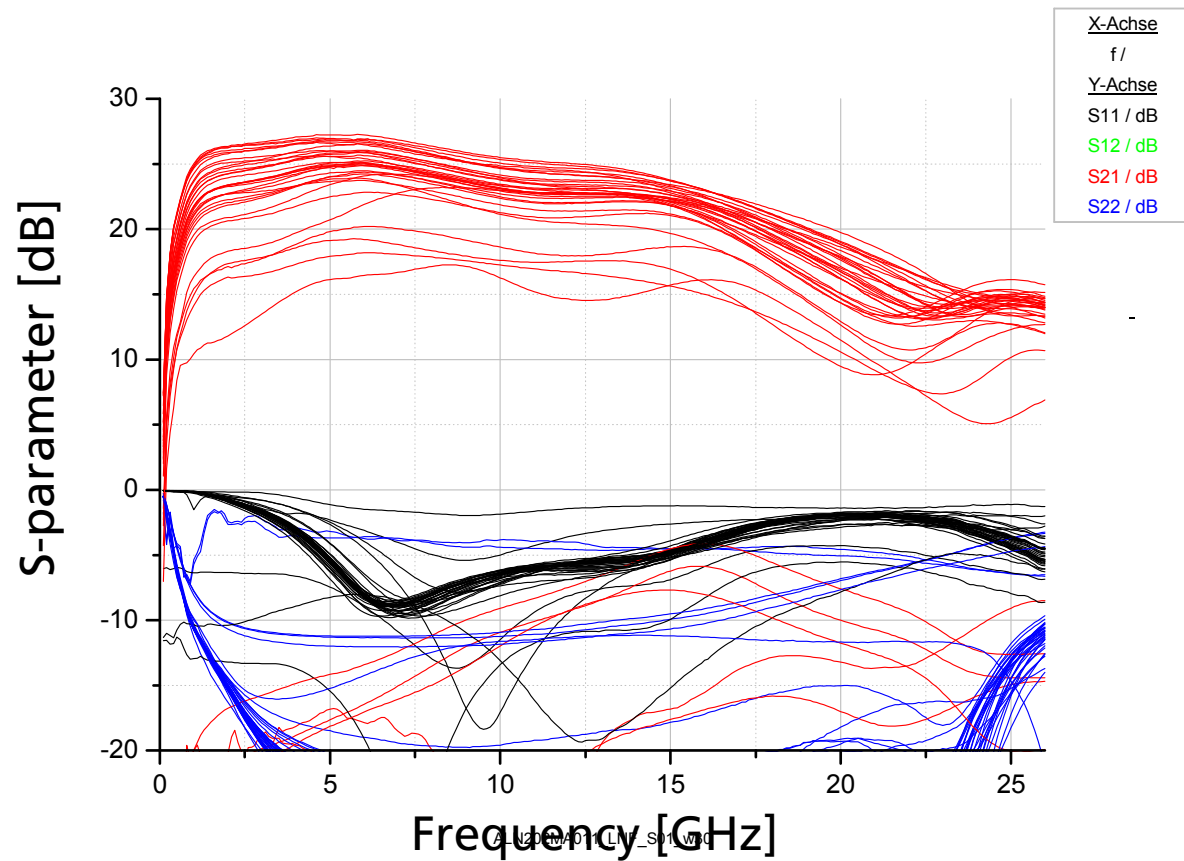
## S21 differential (typical device):



## S21 single ended (typical device):



## S-parameter, typical mapping (Bias 2):



Reticles on a 4"-wafer:  
37

Good devices:  
27

Yield:  
73 %