

Laboratório de Radiometria

Grupo de Radiometria

Overview do grupo de pesquisa

- Tecnologia RSIW
- FSS
- RFID
- Monitoramento de equipamentos de alta tensão



Os membros

- 7 alunos de doutorado
- 5 alunos de mestrado
- 4 alunos de iniciação científica
- 2 professores

Colaborações

- IFSP
- IFPB
- UFRN
- UFPE
- INP Grenoble



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Prof. Dr. Alexandre Jean René Serres
alexandreserres@dee.ufcg.edu.br



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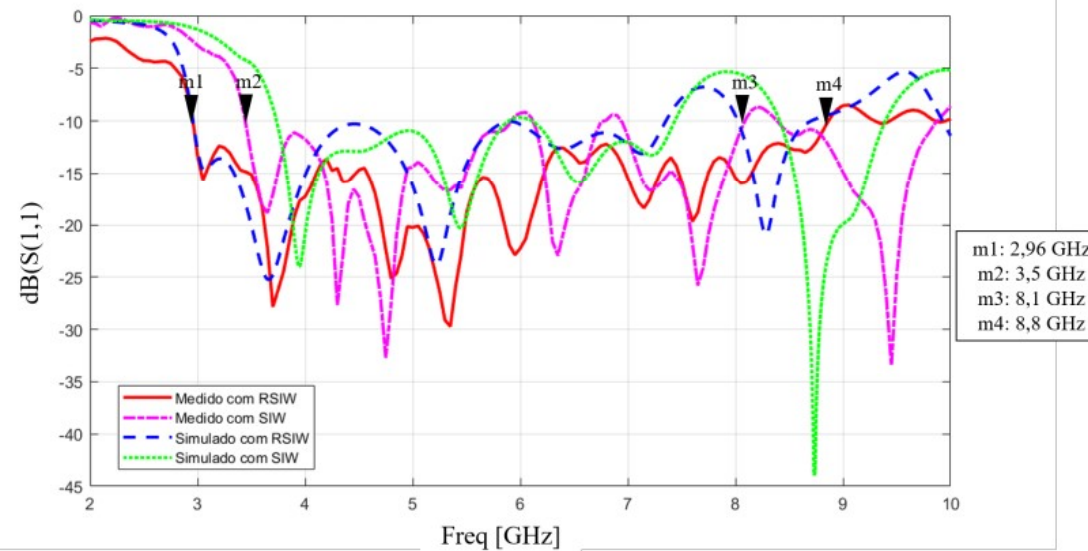
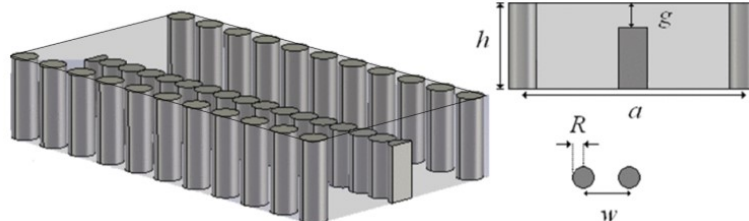
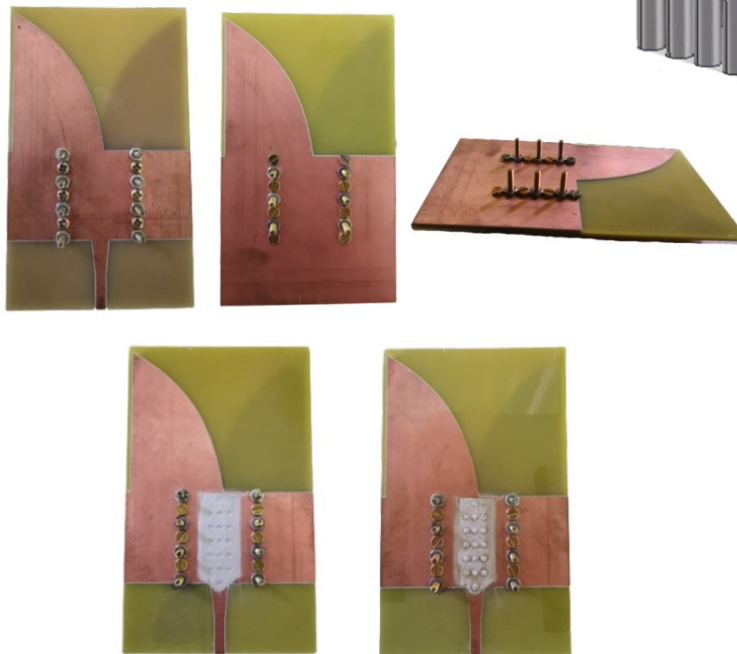
Workshop de Micro-ondas



Tecnologia RSIW

Motivation

Antenas



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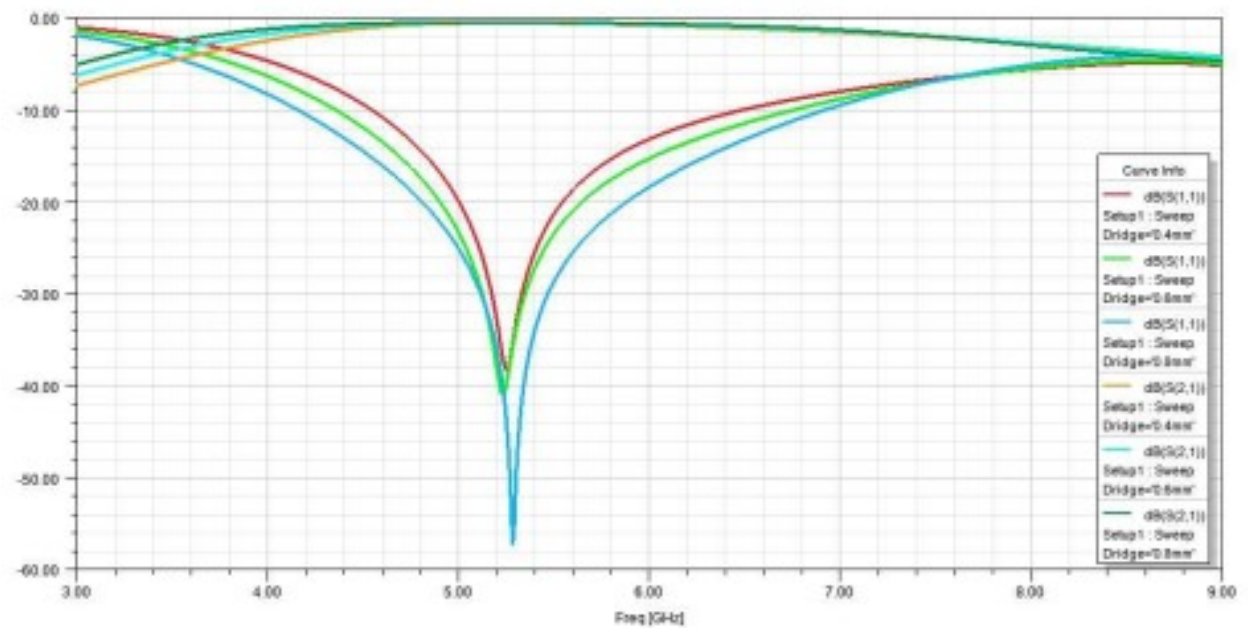
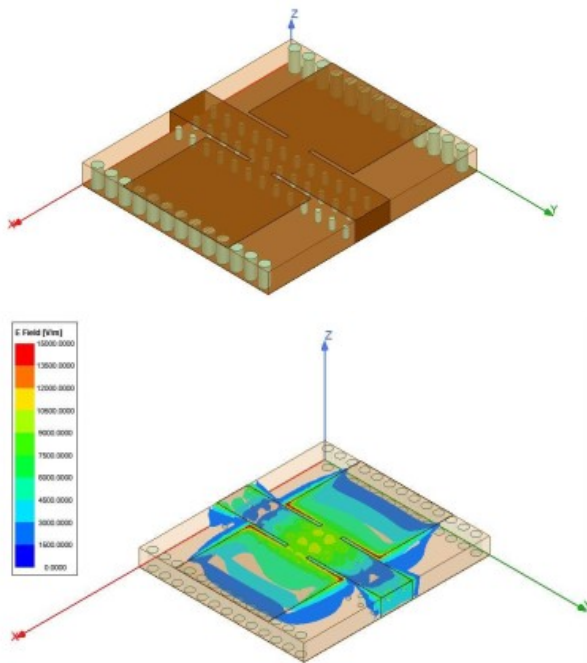
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Tecnologia RSIW

Filtros



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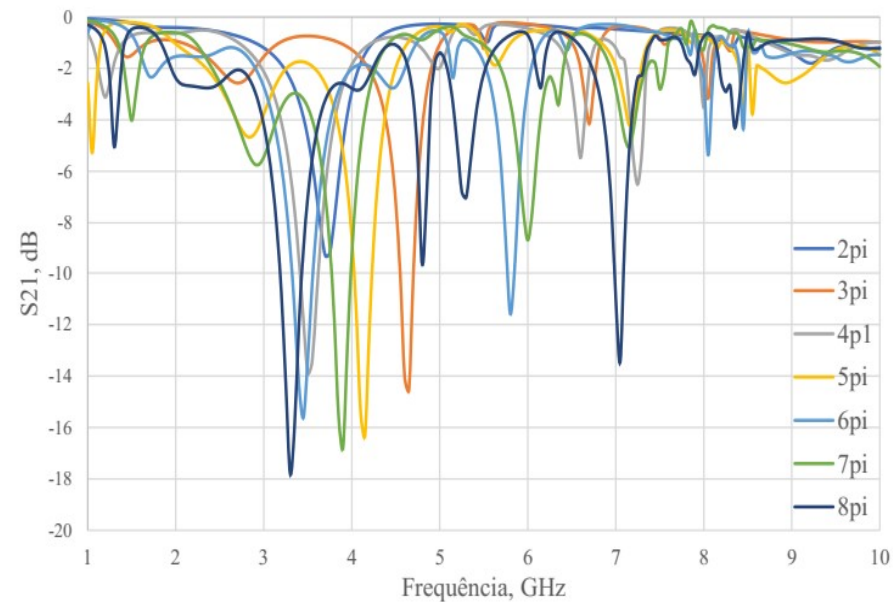
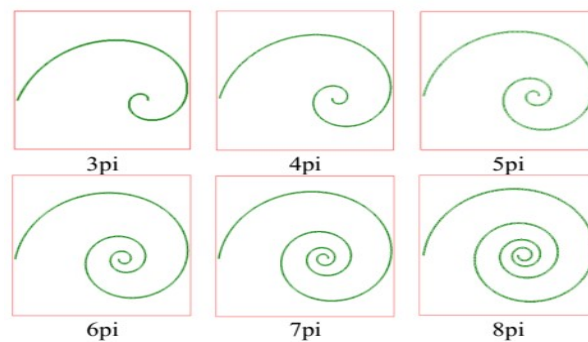
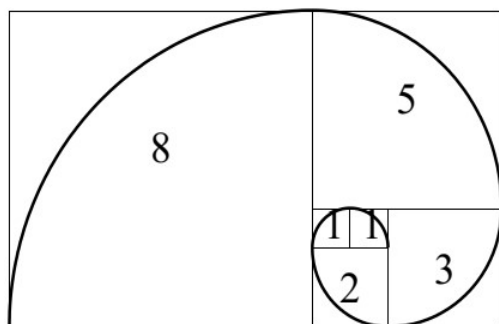
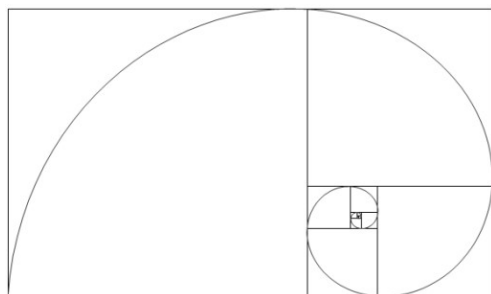


Instituto Federal de São Paulo
Laboratório Maxwell
Micro-ondas e Eletromagnetismo Aplicado



Sociedade Brasileira
de Micro-ondas
e Optoeletrônica

FSS



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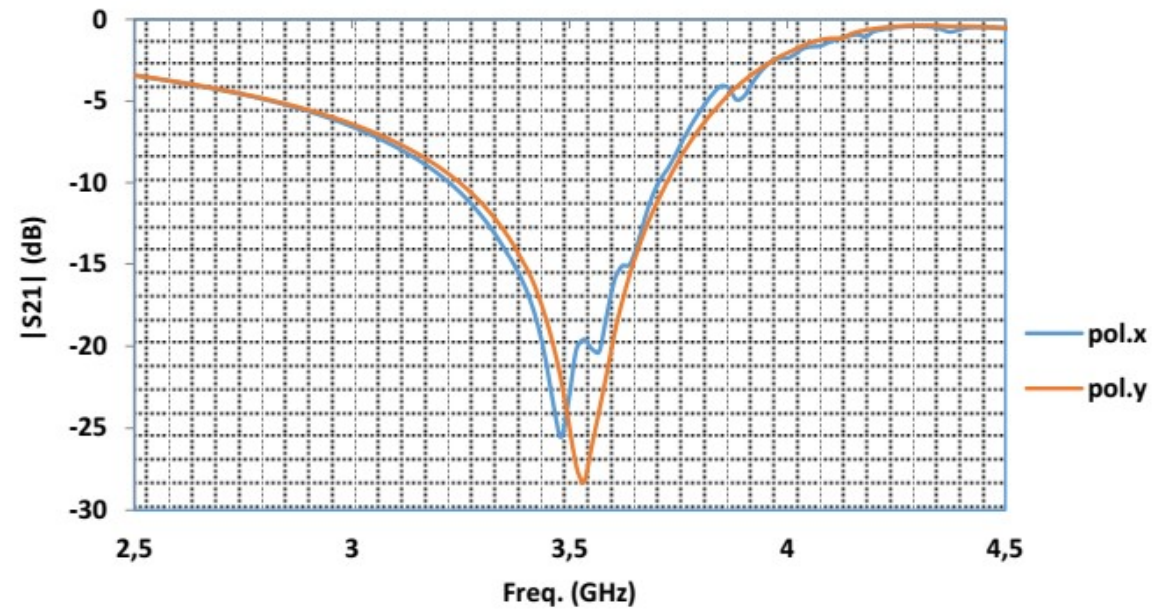
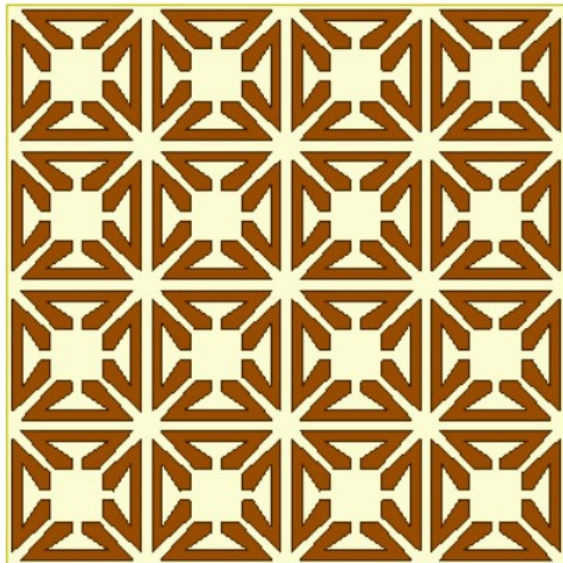


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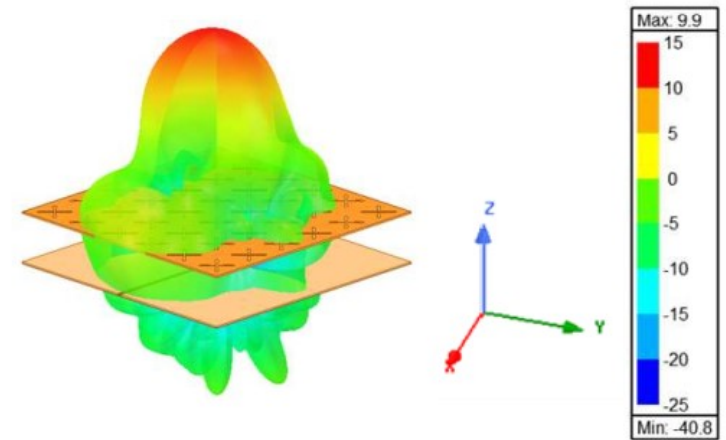
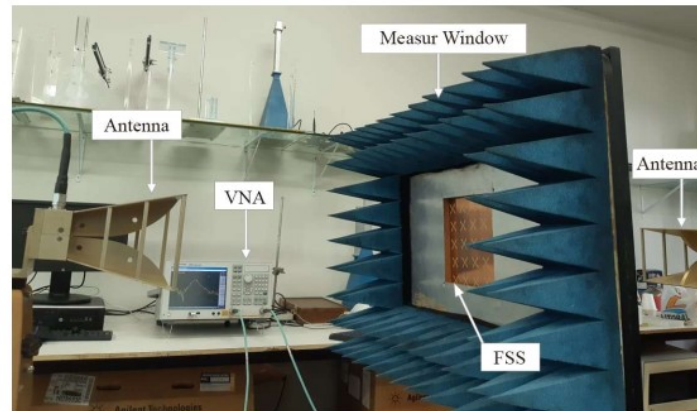
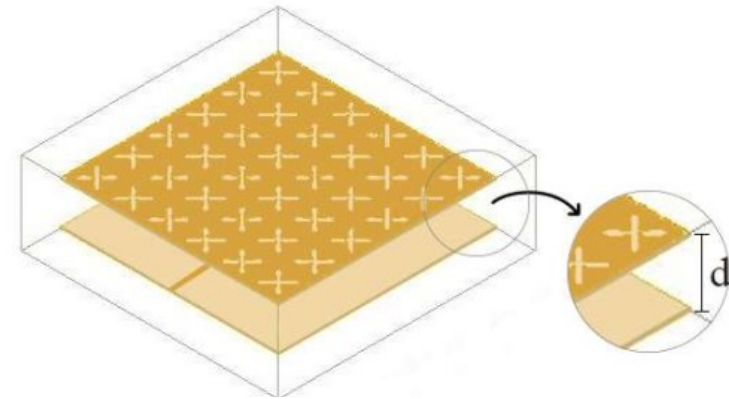
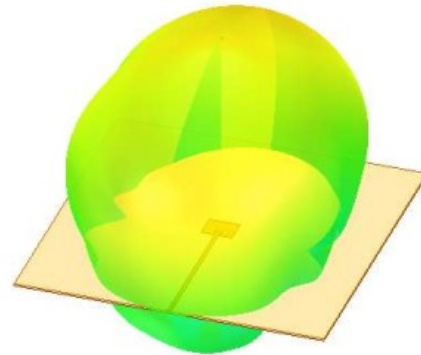
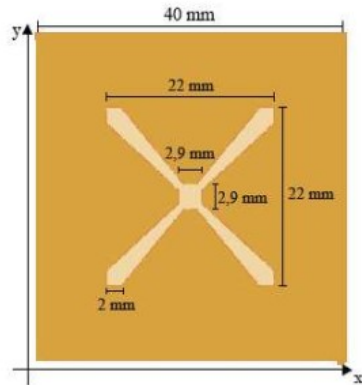


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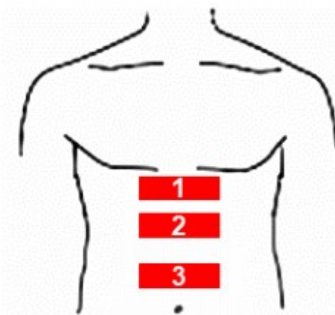
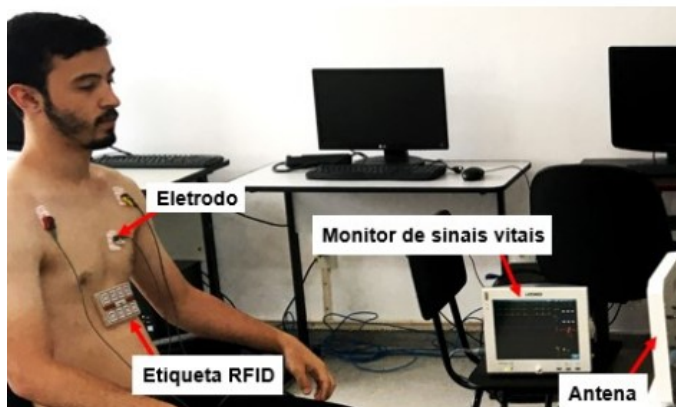
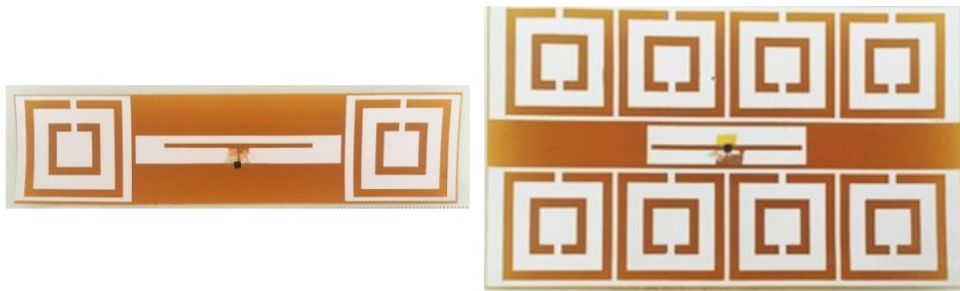


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RFID



	Tag	Tag localization	Participant's position	Breath frequency (RFID)	Breath frequency range (Vital Signs Monitor)
Before running	Two CSRR cells	1	seated	18	17-21
		2	seated	17	13-20
		3	seated	16	14-19
		2	standing	-	11-19
		3	standing	-	15-20
	Eight CSRR cells and polyethylene foam 4 mm	1	seated	18	13-18
		2	seated	17	14-21
		1	standing	17	12-20
		2	standing	-	17-22
	Eight CSRR cells and polyethylene foam 11 mm	1	seated	20	15-22
2		seated	20	16-22	
1		standing	20	20-22	
2		standing	19	17-21	
After running	Two CSRR cells	3	seated	18	38-49
	Eight CSRR cells and polyethylene foam 4 mm	2	seated	26	30-45

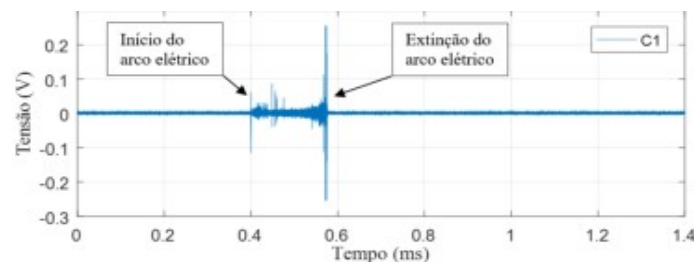


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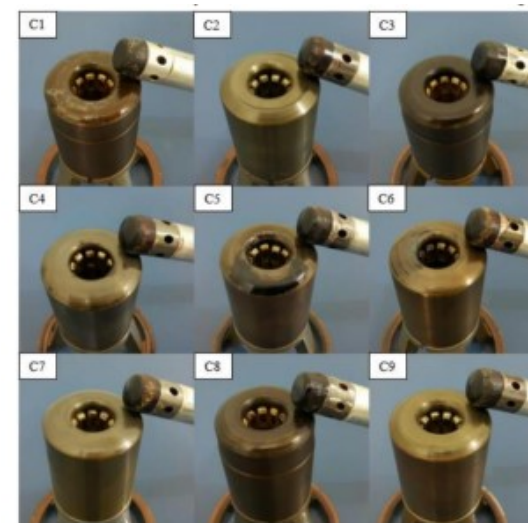
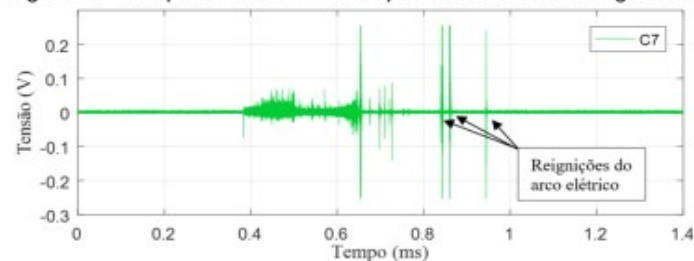
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Monitoramento de equipamentos de alta tensão



Fonte: (OLIVEIRA, 2019)

Figura 30 - Comportamento do sinal captado de um contato degradado.





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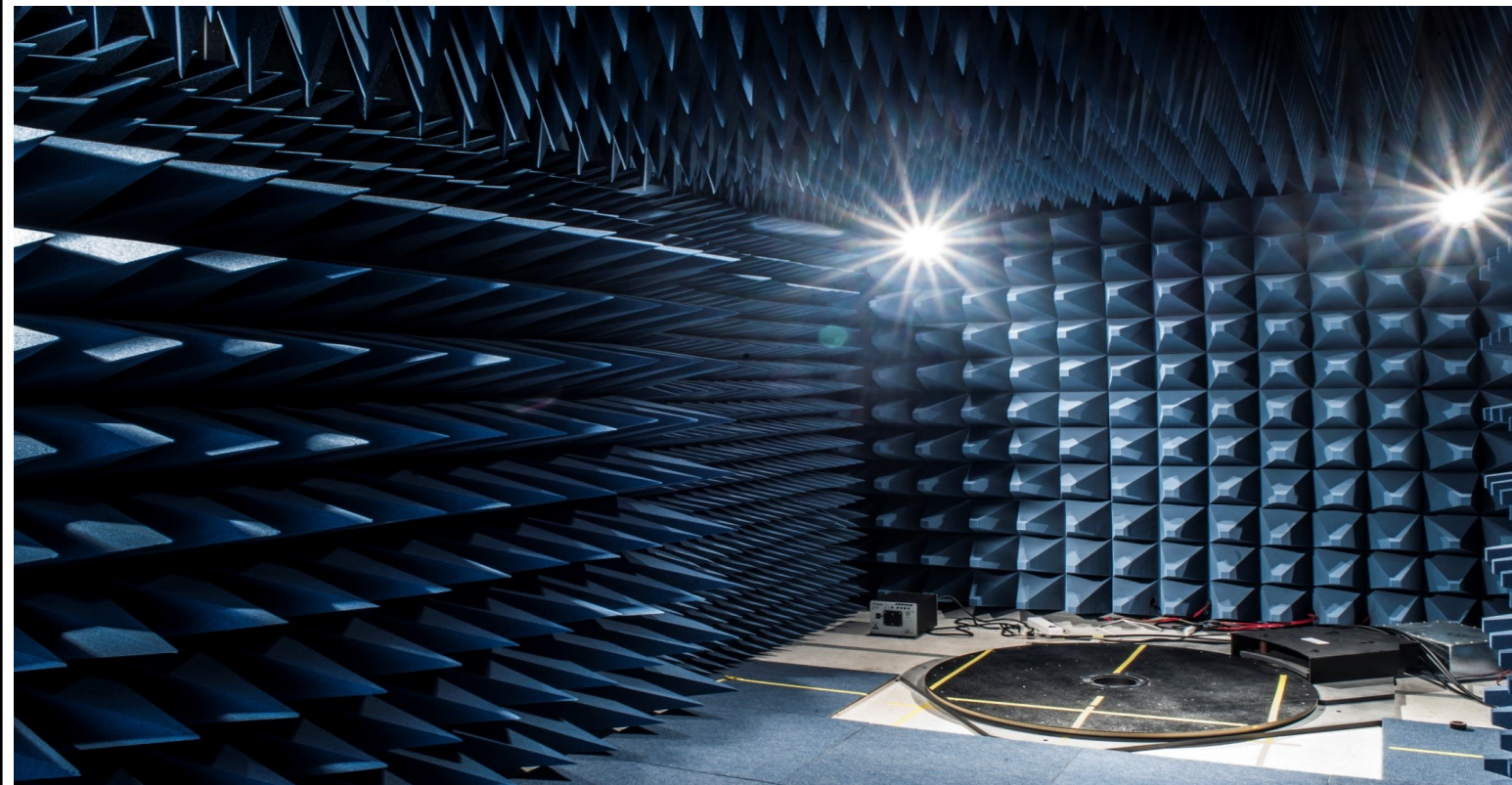
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**Obrigado pela
atenção!**



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