

Secondment Report Form

Secondee	Marija Agatonović
Host Organization	Id: KIT
	Name: Institut für Hochfrequenztechnik und Elektronik (IHE)
Research Topic(s)	2D DOA estimation using artificial neural networks
	(MIMO, smart and signal processing antennas)

ACTIVITIES DURING THE SECONDMENT

Activities during the research stay at IHE included measurements in the anechoic chamber and development of new algorithms to train the ANNs (Artificial Neural Networks) employed in 2D DOA (Direction of Arrival) estimation.

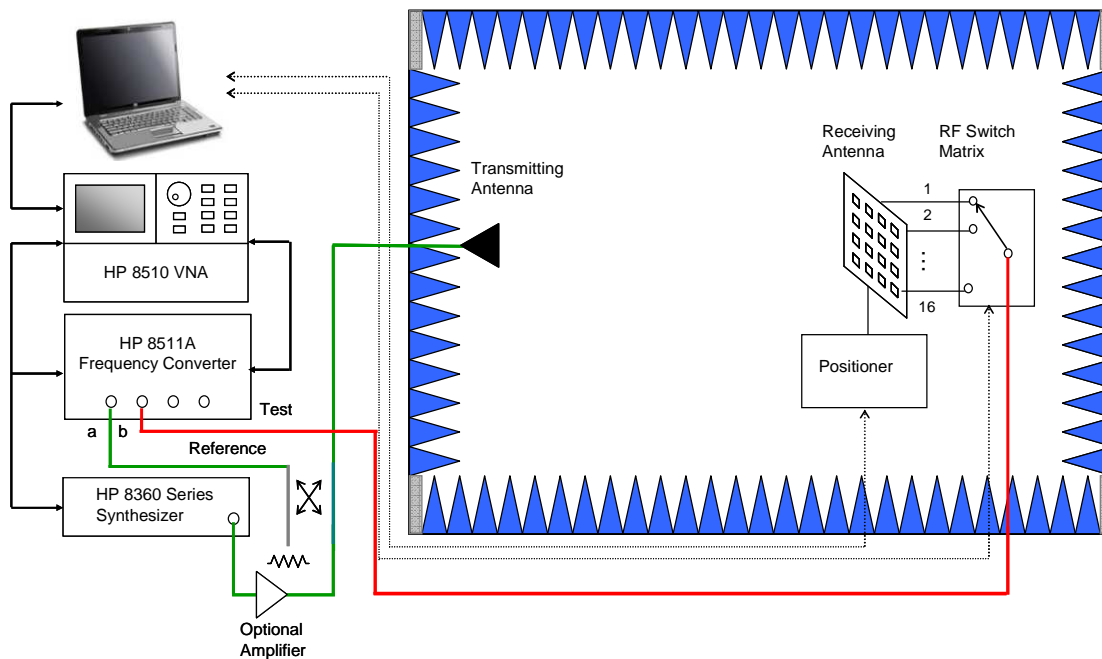


Fig. 1 Measurement setup

Several changes in the IHE anechoic chamber have been done in order to perform DOA measurements. The following activities were conducted:

1. Introduction to measurement equipment and software in the chamber, measurement of reference horn antennas.
2. RF switch matrix testing and programming.
3. Upgrading the existing software to accommodate the specific measurement.
4. Introduction to new simulation software CST Studio Suite.

I am satisfied with the quality and quantity of supervision I received.

1	2	3	4 <input checked="" type="checkbox"/>
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I had access to adequate resources to support my research.

1	2	3	4 <input checked="" type="checkbox"/>
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SECONDMENT PROGRAM

I would recommend this secondment programme to others.

1	2	3	4 <input checked="" type="checkbox"/>
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I believe the skills I have learned will help me to improve my job/research.

1	2	3	4 <input checked="" type="checkbox"/>
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I would apply to another programme similar to CARE.

1	2	3	4 <input checked="" type="checkbox"/>
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In general, how would you classify the CARE Secondment Programme?

1	2	3	4 <input checked="" type="checkbox"/>
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Other questions/comments to be potentially considered: _____

SIGNATURES

Candidate Marija Agatonović

Date: 2012/04/26
(year/month/day)

Signature _____

Marija Agatonović