

# **ANTENNA MEASUREMENT**

## **Report**

Publication date: July 26, 2017  
Revision: V001

## About this document

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### Version History

Date	Version	Author	Revision	Remarks
July 26, 2017	V001	Chris De Vos		First draft

# Table of contents

1 USED MEASUREMENT EQUIPMENT REFERENCES..... 3

2 PRODUCT OVERVIEW ..... 3

3 ANTENNA MEASUREMENT SETUP ..... 3

4 MEASUREMENT RESULTS ..... 5

    4.1 S11 ..... 5

    4.2 DUT IN FREE SPACE ..... 5

    4.3 CONCLUSION ..... 5

5 REFERENCES ..... 6

## 1 USED MEASUREMENT EQUIPMENT REFERENCES

Equipment	ser number	
Antenna chamber Satimo SG32		
Network analyser R&S ZVB-8		

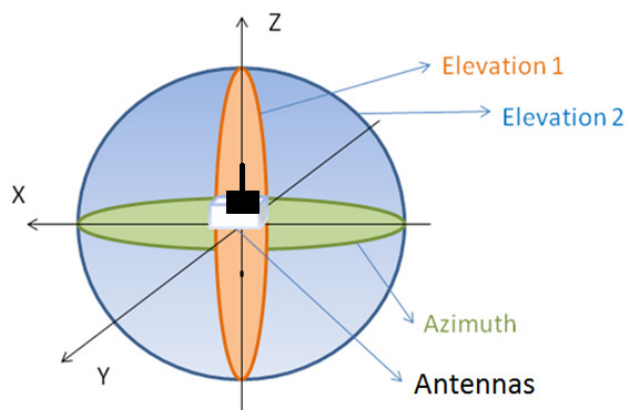
## 2 PRODUCT OVERVIEW

The measurements were carried out on the antenna embedded in BlooLoc Yobee tag. Board revision?

## 3 ANTENNA MEASUREMENT SETUP

Fig. 2 illustrates the near-field coordinate system and orientations. Fig. 3 shows the sensor mounted on the reference set-up. Efficiency of the antenna is measured.

**Fig. 1**



**Fig. 2**



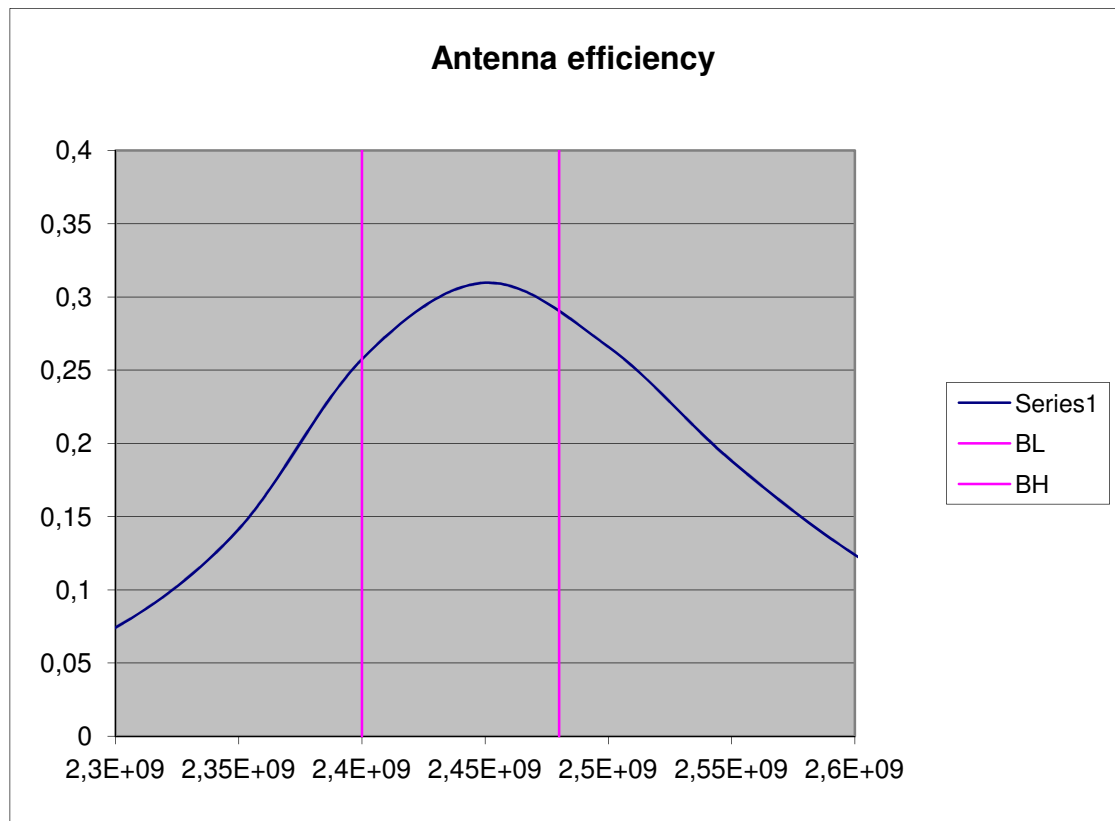
## 4 MEASUREMENT RESULTS

### 4.1 S11

RL < 10dB

### 4.2 DUT in free space

This figure shows the radiation efficiency of the antenna under test device in plastics.



### 4.3 Conclusion

Antenna is too long it needs to be cut so it is tuned to the correct frequency. No matching is required for the antenna



5 REFERENCES

Ref	Reference documents	Owner