

SGS Germany GmbH

Test Report No.: L10E0001

Order No.: L10E

Pages: 8

Client: marTECH Systems GmbH

Equipment Under Test: Sample part no. 97437:

- conductive textile, Part No. 97437

Manufacturer: marTECH Systems GmbH

Task: Evaluation of shielding effectiveness

Test Specification(s):

- following EN 61587-3:2006

Result: see section "Results"

The results relate only to the items tested as described in this test report.

approved by:

Date

Signature

Wössner
Qualification Engineer

Dec 05, 2016



This document was signed electronically.

1 Results

The test results in the report refer exclusively to the test object.

1.1 Frequency range 100 to 1000 MHz

1.1.1 Test Setup

- Antenna distance = 2m (from reference point)
- TX Antenna (Cube) height = 1.10 m
- RX Antenna (Bilog) height = 1.10 m
- Sonoma preamp in RX path
- no preamp @ TX antenna
- no attenuator @ TX antenna
- no attenuator @ RX antenna
- measuring bandwidth = 100Hz

Photo documentation of the test set-up:

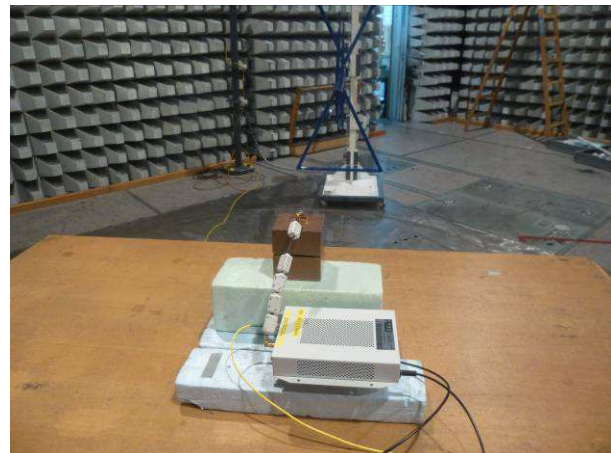


Figure 1-1: Reference measurement, 100 – 1000 MHz

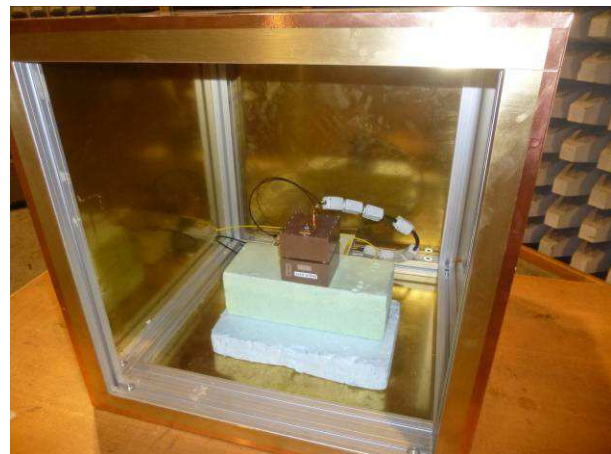
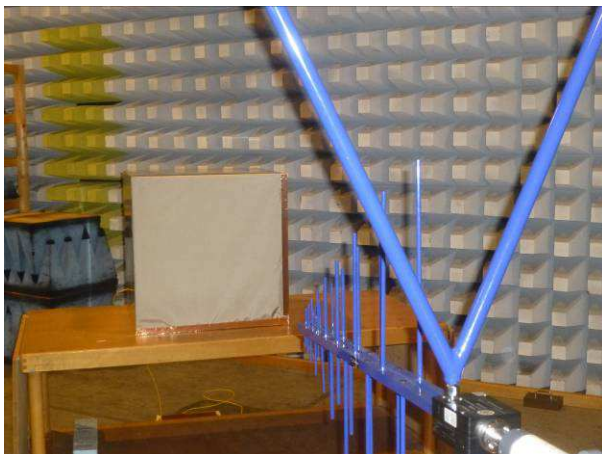
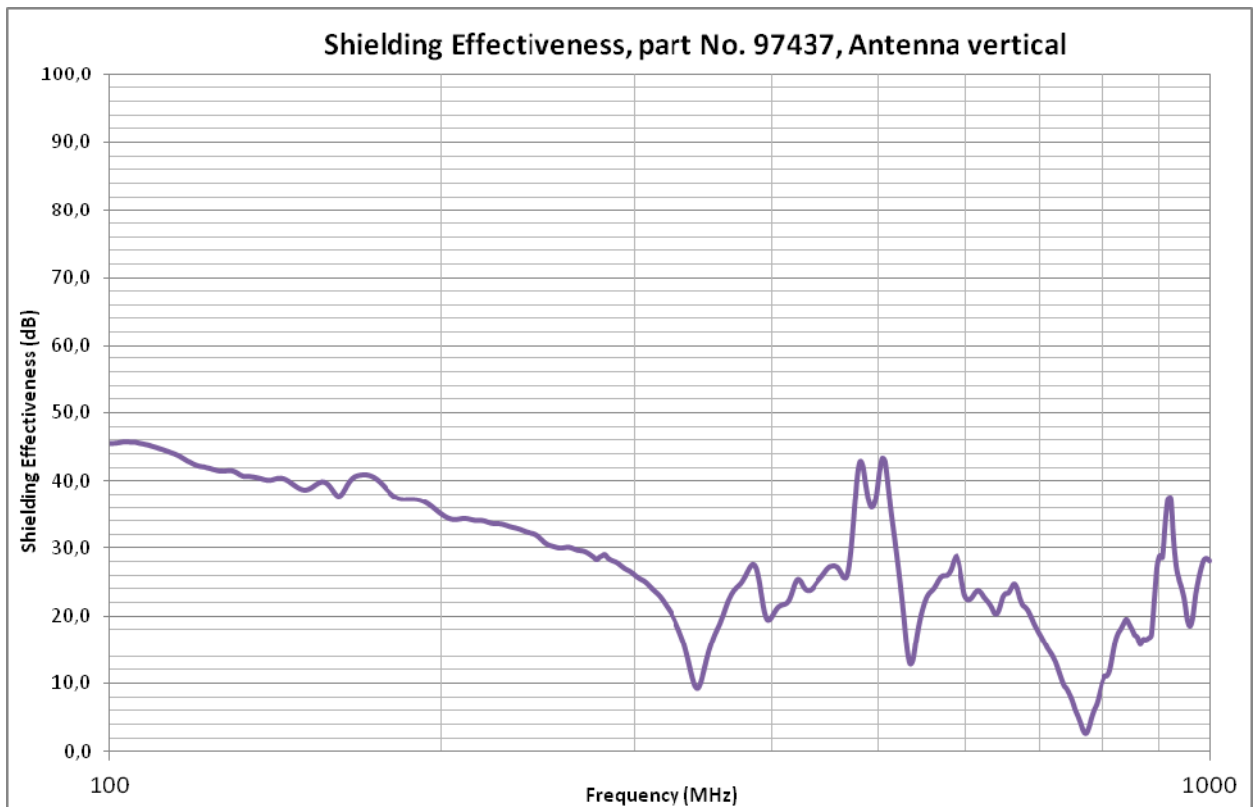


Figure 1-2: EUT measurement, 100 – 1000 MHz

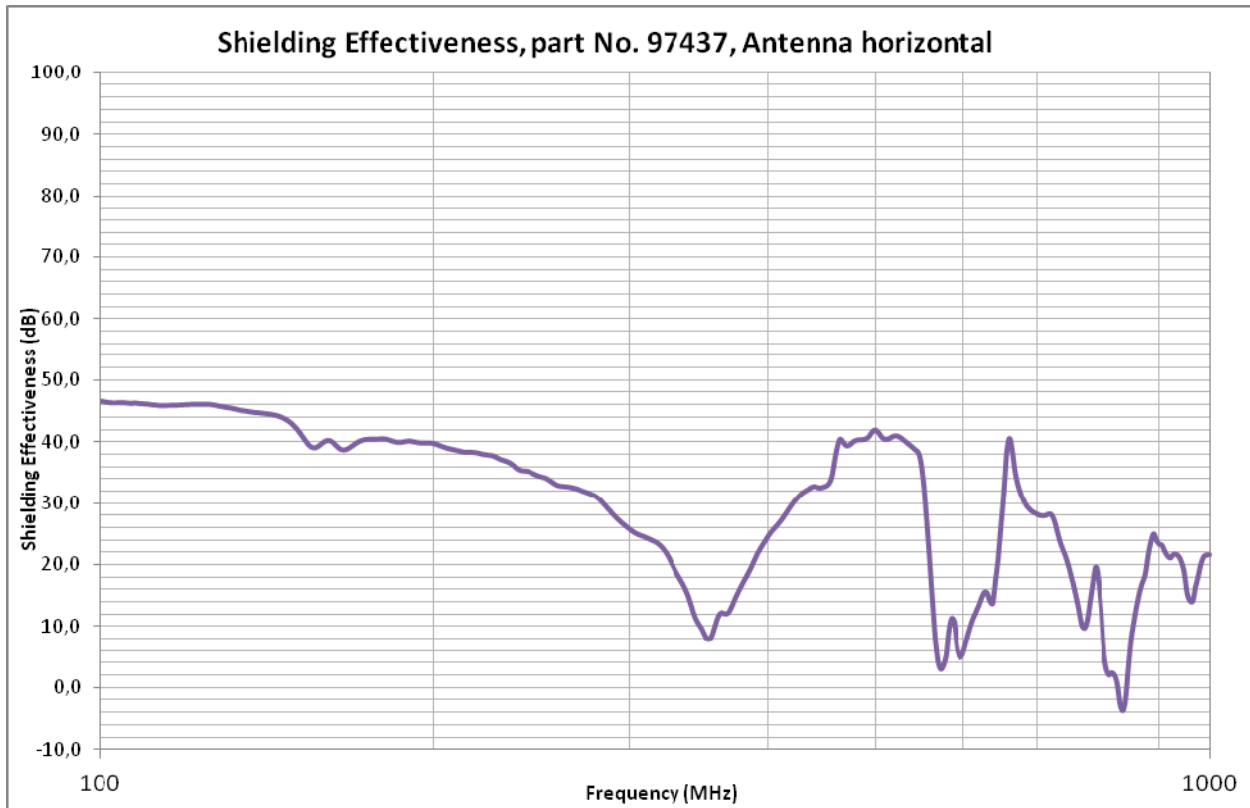
The test report shall not be reproduced except in full without the written approval of the testing laboratory

1.1.2 Sample part No. 97437



The test report shall not be reproduced except in full without the written approval of the testing laboratory

1.1.3. Sample part No. 97437



The test report shall not be reproduced except in full without the written approval of the testing laboratory

1.2. Frequency range 1 to 6 GHz

1.2.1 Test Setup

- Antenna distance = 2m (from reference point)
- TX Antenna height = 1.0 m
- RX Antenna height = 1.0 m
- no preamp in RX path
- no preamp @ TX antenna
- no attenuator at TX antenna
- no attenuator @ RX antenna
- measuring bandwidth = 100Hz

Photo documentation of the test set-up:



Figure 1-3: Reference measurement, 1 – 6 GHz

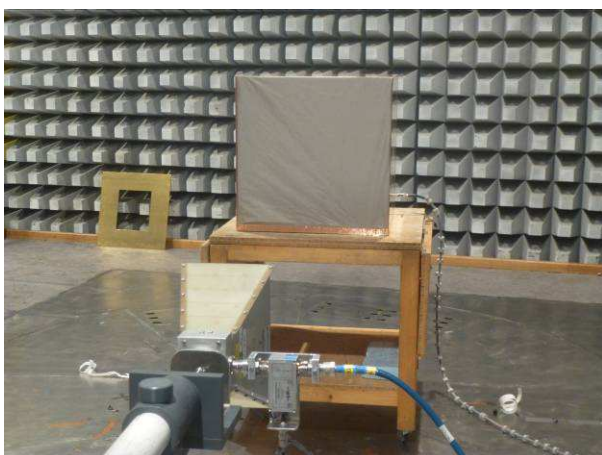
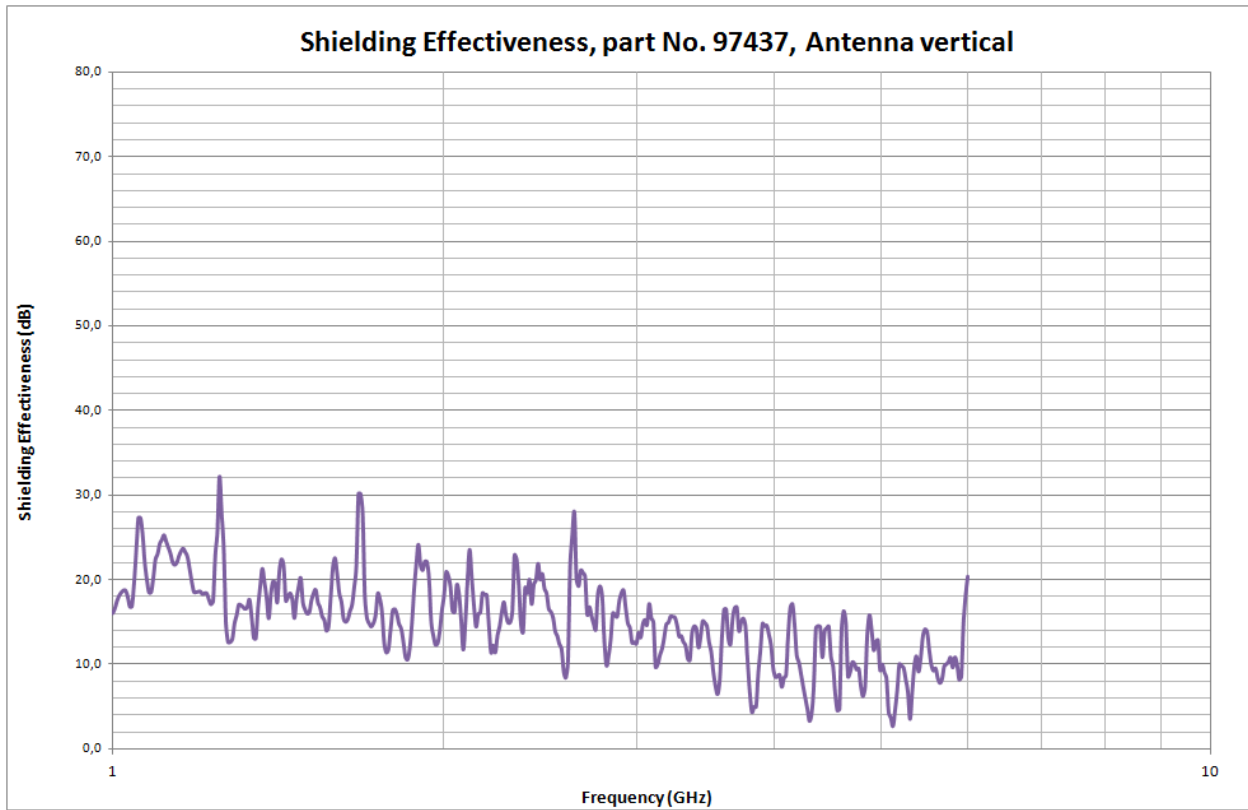


Figure 1-4: EUT measurement, 1 – 6 GHz

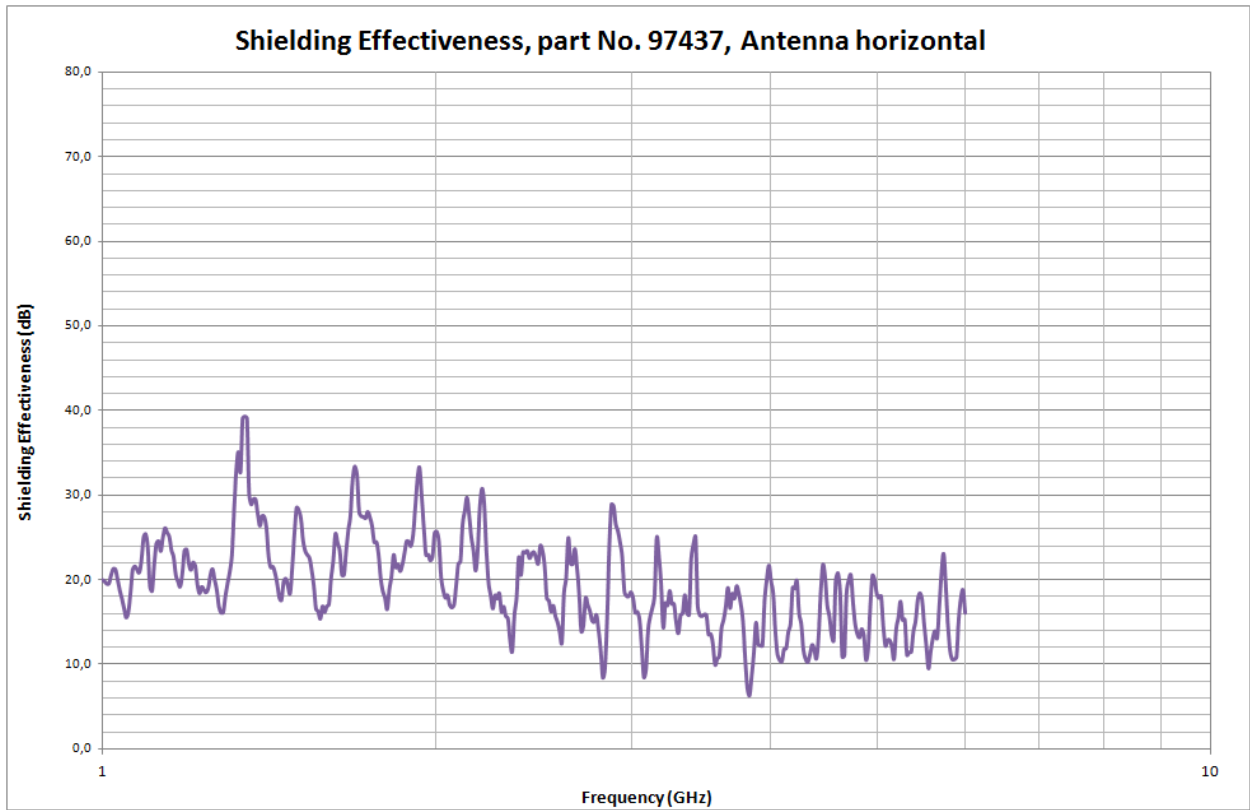
The test report shall not be reproduced except in full without the written approval of the testing laboratory

1.2.2 Sample part No. 97437



The test report shall not be reproduced except in full without the written approval of the testing laboratory

1.2.3 Sample part No. 97437



The test report shall not be reproduced except in full without the written approval of the testing laboratory

2 Disclaimer

This document is issued by the Company under its General Conditions of Service available upon request. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

The test report shall not be reproduced except in full without
the written approval of the testing laboratory