



Testing Tomorrow's Technology

Shielding Effectiveness Summary Results for RadiaShield Technologies, Inc. RadiaShield® Fabric

Test Date(s): July 9 through July 19, 2010

UST Project Number: 10-0164

Product Description

The Sample Under Test (SUT) is the RadiaShield Technologies, Inc. RadiaShield® Fabric. The SUT is a textile which is used as a protective shield against RF radiation in consumer and professional applications.

Test Facility

Testing was performed at US Tech's anechoic test chamber located in Alpharetta, Georgia. US Tech is an FCC Recognized (Designation Number US5117) and NVLAP Accredited laboratory (Lab Code 200162-0).

Test Procedure

The procedure used for measuring the shielding effectiveness is based on measuring two signals and calculating the ratio in dB (20 log (E1/E2)), where E1 is the signal without the shield and E2 is the leakage from the shield under test. The detail of this procedure is described in the full test report.

Test Results

The table below lists the shielding effectiveness results for the RadiaShield Technologies, Inc. RadiaShield® Fabric. In our opinion, the SUT performs well in shielding Electromagnetic waves. The measurement uncertainty (with a 95% confidence level) for this test is ± 1 dB.

Frequency in MHz	Shielding Effectiveness in dB	Shielding Effectiveness in %
10	41	99.992057
100	52	99.999369
150	54	99.999602
200	49	99.998741
250	52	99.992057
400	50	99.999000
500	52	99.992057
600	52	99.992057
800	53	99.999499
900	52	99.992057
1000	53	99.999499
2000	57	99.999800
3000	56	99.999749
4000	52	99.992057
5000	52	99.992057
6000	55	99.999684
7000	58	99.999842
8000	49	99.998741

Results attested to by:

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