



Testing Tomorrow's Technology

Shielding Effectiveness Summary Results for RadiaShield Technologies Corp. RadiaShield® Fabric 3

Test Date(s): May 10, 2011

UST Project Number: 11-0088

Product Description

The Sample Under Test (SUT) is the RadiaShield Technologies Corp. RadiaShield® Fabric 3. 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 Corp. RadiaShield® Fabric 3. 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 percent
10	40	99.990000
100	40	99.999369
150	42	99.999369
200	51	99.999206
250	60	99.999900
400	59	99.999874
500	76	99.999997
600	53	99.999499
800	62	99.999937
900	57	99.999800
1000	59	99.999874
2000	41	99.992057
3000	49	99.998741
4000	49	99.998741
5000	43	99.994988
6000	41	99.992057
7000	44	99.996019
8000	40	99.990000

Results attested to by:

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