



SaferBody™ Laboratory Testing Reports & Results

At SYB, we take our product claims very seriously, and we want our customers like you to know that. Which is why I ensure that all of my EMF shielding products are laboratory tested to create the product claims that we use in our listings and marketing materials.

Indeed, this is such an important aspect of our company's mission that, when it comes to our popular SaferBody™ shielding material, **we commissioned testing at two separate laboratories.**

Why? Because we wanted as much coverage as possible. You see, **not all labs have the same capabilities.**

First, we commissioned testing at one of the first laboratories in the world to offer radio frequency (RF) testing up to 20GHz – well into the 5G spectrum. That lab is the [Shanghai Institute of Measurement and Testing Technology](#) (SIMT). That test was performed on **July 30, 2019**. SIMT is a non-profit and one of the oldest, largest and highest regarded laboratories in China, with multiple certifications and authorization from the Ministry of Science and Technology.

But SIMT is not equipped to test extremely low frequency (ELF) EMF. (If you do not know what these terms mean, you may wish to read our [article on the different types of EMF](#).) So we commissioned [Ordos Technologies in Israel](#) to perform a second round of RF testing– **and** ELF (extremely low frequency) EMF, which took place on **September 2, 2021**.

Ordos, based in Tel Aviv, is a very highly respected team of technological safety experts with expertise in electromagnetic radiation and interference, and product safety issues.

And this is how I am able to present to you SaferBody™ product performance data, on RF up to 20 GHz, as well as ELF attenuation data. And I include both reports for your review further in this document– **no other EMF protection company provides this level of testing and transparency.**

Because I want you to have confidence that, at SYB, I take our product claims very seriously, so you can rest easy knowing that my products do exactly what I claim they do.

Sincerely,

R Blank
CEO & Founder



SaferBody™ from SYB
Independent Laboratory EMF Attenuation Testing Results

Important Note: What EMF Attenuation Tests Tell Us

If you are interested in EMF protection, and evaluating different products, this is very important information for you to read and understand. Please take a few moments to read it.

EMF shielding is based on fundamental, universally accepted scientific principles almost 200 years old.

Electromagnetic shielding works by creating a mesh of conductive or magnetic material to form a barrier that obstructs EM fields. Think of an EMF shielding product as a window shade — except instead of blocking sunlight, these products block and deflect EMF radiation.

You may be familiar with the term SAR, and even if you're not, I've written a detailed post about it which you can read before going further.

In brief, SAR is a measurement of emissions — how much EMF something emits into the environment that is then absorbed by your body. It's basically a test of how much EMF a device emits.

In contrast to that, an EMF shielding product is tested with attenuation tests. Attenuation tests tell us how much EMF radiation something like our SYB Phone Pouch will 'attenuate', or block.

There are four critical elements to an attenuation test:

- A controlled environment, so you don't have EMF pollution tainting the results
- An EMF signal emitter that can emit very specific doses of precise EMF frequencies
- A shielding product or material
- A frequency analyzer to see how much of the emitted EMF makes it through the shielding material or product

Performing these tests and publishing results are important for consumers. This is because EMF is a complex subject, and a lot of people don't know how to test EMF shielding for themselves. Due to this, consumers heavily rely on tests like this for confirmation.

But, what an 'EMF test' means might be different than what you think it means.

Attenuation tests do, in fact, tell us how much EMF was blocked, but under very specific circumstances.

In other words, laboratory EMF attenuation testing almost never tells you how EMF shielding will work, for you, in your real life.

The testing environment is too artificial, too unrelated to how you'll actually use the product.



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Does this mean that lab tests– and their results– are useless?

Absolutely not.

Even if the product may perform differently in two different conditions, the lab test shows you that the product can actually shield EMF.

If the testing data says that it can shield 99% of EMF, it is possible that, in other conditions, it will block 60%, or 75%, or even maybe 90% of the EMF coming towards your body. But the unchangeable fact is that it works.

If a company can't show that their products shield in a lab, then that almost certainly means their products won't shield in real life, either.

So, you need to avoid shielding companies without testing data for their products as much as you can.

Now, with that, first let me thank you, and I will proceed to present to you the results from our two separate commissioned independent laboratory tests. Before I do, if you are interested in learning more about understand EMF testing, and deciphering EMF testing claims, you may wish to visit these articles.

[What is EMF Testing?](#)

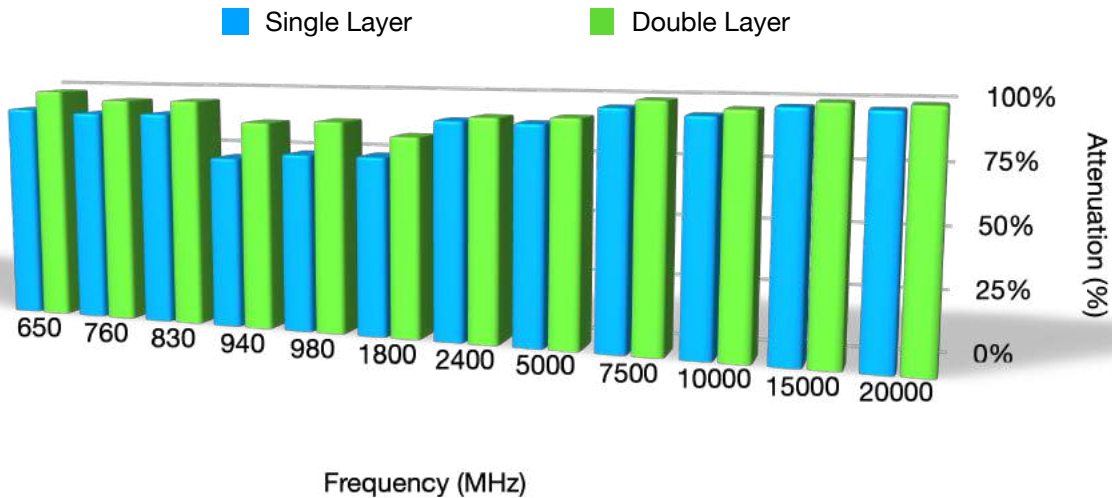
[Deciphering EMF Protection Claims](#)



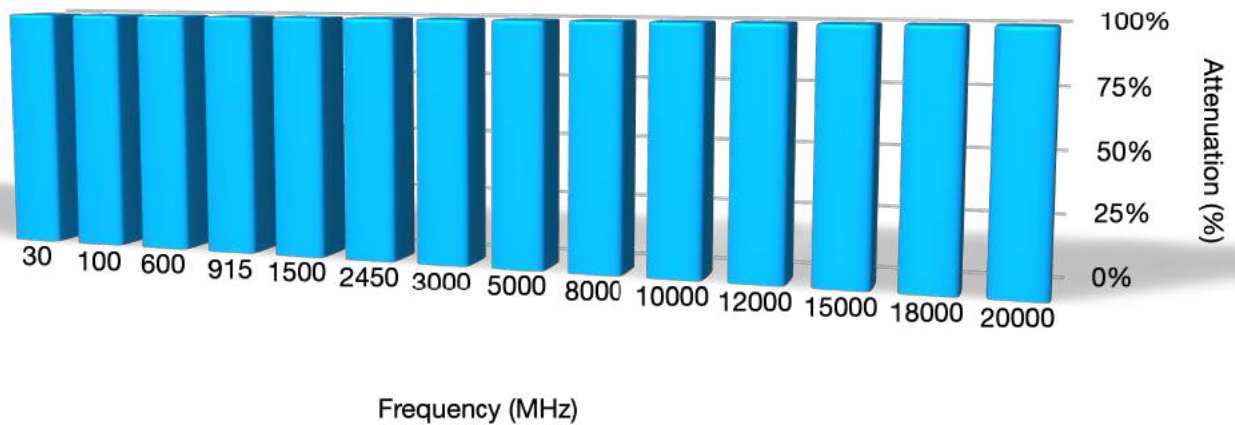
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Summary of SaferBody™ Attenuation Test Results

RF Testing Results - Ordos Laboratories



RF Testing Results - SIMT



ELF Testing Results - Ordos Laboratories





SaferBody™ from SYB
Independent Laboratory EMF Attenuation Testing Results



To : Shield Your Body

Date: 9.2.22

Att : Mr. R Blank

From : Doron Ben-David

Subject: Report # Y21SYB209BTR EMR SaferBody™ Attenuation test

1. We performed an attenuation test for double layer "SaferBody™" manufactured by **Shield Your Body**.
2. The tests were conducted, inside a semi-anechoic chamber in order to test with a low-level ambient interference.
3. The "SaferBody™" was tested for attenuation in 650MHz-20GHz to include:
 - Cellular frequencies.
 - Bluetooth + Wi-Fi frequencies
4. **Conclusion:**
 - 4.1. The SaferBody passed all the tests.
 - 4.2. The SaferBody's 1 layer Maximum attenuation was 97.65%.
 - 4.3. The SaferBody's 2 layers Maximum attenuation was 99.41%.
 - 4.4. The Attenuation in ELF was 95%
 - 4.5. The SaferBody's attenuation in 50% of the tested frequencies were 95-99%
 - 4.6. The Average attenuation was more than 85% with 1 layer and more than 93% with 2 layers.
5. For detailed results and test setup – see Appendix A.

Best regards

Doron  Ben-David

Ordos Technologies

ORDOS Technologies a world of experience at your service

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Appendix A – Test results

• Results

Tested frequency	Without the SaferBody™ (mG)	With the SaferBody™ (mG)	Attenuation
ELF – 3-30kHz	1230	63	94.88%

Tested frequency (MHz)	Without the SaferBody™ (V/m)	With 1 layer of SaferBody™ + Attenuation	With 2 layers of SaferBody™ + Attenuation
650	5	0.5 V/m 90% Att.	0.1 V/m 98% Att.
760	17	1.9 V/m 88.83%	0.9 V/m 94.71%
830	36.1	3.9 V/m 89.2%	1.8 V/m 95.01%
940	15	4.3 V/m 71.33%	2 V/m 86.67%
980	10.7	2.8 V/m 73.84%	1.3 V/m 87.85%
1800	43	11.2 V/m 73.96%	7.5 V/m. 82.56%
2400	86.2	9.1 V/m 89.45%	7.7 V/m 91.07%
5000	15.5	1.7 V/m 89.04%	1.3 V/m 91.61%
7500	29.5	1.2 V/m 95.93%	0.3 V/m 98.98%
10000	63.5	4.1 V/m 93.55%	2.4 V/m 96.22%
15000	17	0.4 V/m 97.65%	0.1 V/m 99.41%
20000	10	0.3 V/m 97%	0.1 V/m 99%

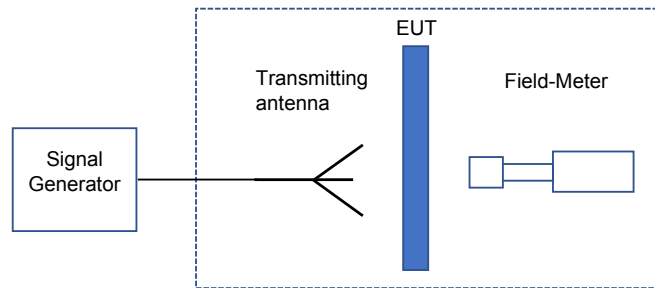
• Equipment used

<u>Instrument</u>	<u>Model</u>	<u>Manufacturer</u>
Signal Generator 100kHz-20GHz	N5183A	KeySight
Amplifier 20MHz-1GHz	GRF5027	GTCrf
Amplifier 1GHz-3GHz	5172	OPHIR
Field-meter	C.A 43	Chauvin-Arnoux
Antenna	APN101B	AEL Inc.
ELF meter	TM-192D	Tenmars



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- Test setup



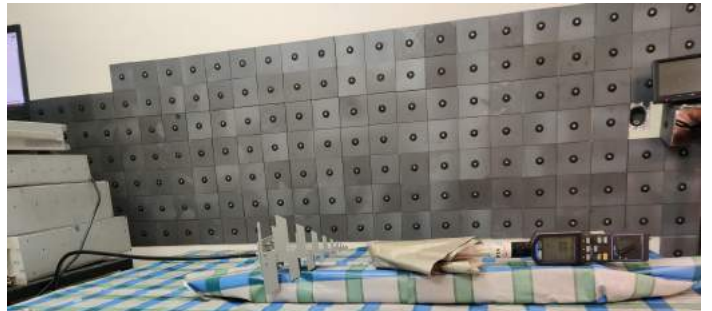
- Test setup Picture





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Additional Photos from the Ordos Test of SaferBody™





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TESTING
CNAS L0124

检测报告编号: 2019F33-30-1942033001

Test report series No.



SHANGHAI INSTITUTE OF MEASUREMENT AND TESTING TECHNOLOGY
NATIONAL CENTER OF MEASUREMENT AND TEST FOR EAST CHINA
NATIONAL CENTER OF TESTING TECHNOLOGY, SHANGHAI

上海市计量测试技术研究院
华东国家计量测试中心
中国上海测试中心

检测报告

Test Report

委托者 Customer	艾为功能纺织有限公司 Aiwei Functional Textile Co., Ltd
委托者地址 Address of customer	河北省保定市莲池区隆昌路88号
样品名称 Name of sample	镍铜导电布 nickel copper fabric
制造厂 Manufacturer	/
型号/规格 Model/Specification	AWI-J23
样品编号 No. of sample	无编号



批准人/职务 朱建刚 *朱建刚* 室副主任
Approved by / Functions

核 验 员 左建生 *左建生*
Checked by

检 测 员 缪轶 *缪轶*
Tested by

检测日期 2019 年 07 月 30 日
Date for test Year Month Day



地址: 上海市张衡路1500号(总部) 电话: 021-38839800 传真: 021-50798390 邮编: 201203
Address No.1500 Zhangheng Road, Shanghai(headquarters) Tel Fax Post/Code

客户咨询电话: 800-820-5172 投诉电话: 021-50798262
Inquire line Tel. for complaint

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 NATIONAL CENTER OF TESTING TECHNOLOGY, SHANGHAI

中国合格评定
 国家认可
 检测
 TESTING
 CNAS L0134

检测报告编号: 2019F33-30-1942033001
 Test report series No. 

国家法定计量检定机构计量授权证书号(中心/院): (国)法计(2017)01039号/(2017)01019号
 The number of the Certificate of Metrological Authorization to The Legal Metrological Verification Institution is No. (2017) 01039/ No. (2017) 01019

本次检测所依据的技术规范(代号、名称):
 Reference documents for the test (code, name):

GB/T 30142-2013 《平面型电磁屏蔽材料屏蔽效能测量方法》
 GB/T 30142-2013 (Measuring methods for shielding effectiveness of planar electromagnetic shielding materials)

本次检测所使用的主要测量仪器:
 Main measuring instruments used in the test:

名称 Name	型号规格 Model	编号 Number	测量范围 Measurement range	不确定度或准确度等级或最大允许误差 Uncertainty/Accuracy Class/Maximum Permissible Error	证书编号/有效期限 Certificate No./Due date
频谱分析仪 Spectrum Analyzer	E4447A	MY4618019 8	频率:3Hz~42.98GHz,电平: (-130~+30)dBm	电平: ±1.5dB level: ±1.5dB	2019F33-10-1862431001/ 2020-06-16
信号发生器 Signal generator	E8257D	MY4639001 0	频率:250kHz~40GHz,功率电平: (-135~15) dBm	功率电平: ±0.8dB Power: ±0.8dB	2019F33-10-1919171001/ 2020-07-16
/	/	/	/	/	/
/	/	/	/	/	/



检测地点及环境条件:
 Location and environmental condition for the test:

地点: 院总部电学楼206室 /
 Location
 温度: ℃ /
 Ambient temperature
 湿度: %RH /
 Relative humidity
 其它: /
 Others

备注: /
 Note

本报告提供的结果仅对本次被测的样品有效。
 The data are valid only for the sample(s).

检测报告续页专用
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NATIONAL CENTER OF TESTING TECHNOLOGY, SHANGHAI

检测结果/说明:

Results of test and additional explanation

一、其它信息

Other information

委托日期 Date for receipt	2019.07.29	样品状态描述 Status of sample	正常 Good	受样方式 Way for receipt	客户送样 Sent by customer
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二、屏蔽效能检测结果:

Results of shielding effectiveness test

频率(MHz) Frequency(MHz)	屏蔽效能(dB) SE(dB)
30	71.2
100	72.9
600	74.3
915	76.8
1500	77.9
2450	77.2
3000	77.6
5000	77.6
8000	76.4
10000	75.2
12000	76.8
15000	75.5
18000	74.6
20000	75.3

检测印章



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检测结果/说明:

Results of test and additional explanation

三、测试样品

Test sample



SIMT
上海计量测试



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