



Highfrequency



- for large-area shielding of high-frequency electromagnetic waves
- very good tear resistance with soft quality, antistatic, elastic
- 100 % textile properties
- elastic knitted fabric for a wide range of applications
- **Organic Cotton, kbA (controlled organic cultivation)**

- The New Antiwave quality is a right-left jacquard knit, in a combination of combed organic, certified organic cotton and silver coated polyamide

The coating does not consist of controversial nano-silver, but of 20 % pure silver that surrounds the entire polyamide fibre. The metallic silver is absolutely harmless to human health and to nature.

Pure silver has a natural antibacterial effect and can also have a positive effect on skin problems as well as excessive sweating and body odour.

Thanks to the innovative fabric construction and the use of high-quality materials, this knitted fabric protects against electromagnetic radiation with an efficiency of > 99 %. This is confirmed by an expert opinion by the EMF test lab Bavaria.

New Antiwave is a particularly easy-care quality. A high-quality finish ensures that the shielding property is retained even after several washes. Due to the antibacterial effect of the silver, washing at 30 - 40 °C is sufficient.

**Order-No.: 100968, 100969, 100970, 101063**  
Short-Desc.: AW Damen-Shirt - S, M, L, XL



### Shielding knitted fabric

#### AW Woman-Shirts

Type	MHz	dB	in %
DVB-T2	470 - 690	26	> 99,0
LTE / 5G wide	700 - 750	26	> 99,0
GSM, LTE	920 - 960	26	> 99,0
GSM, LTE	1800 - 1880	23	> 99,0
DECT	1880 - 1900	23	> 99,0
LTE, 5G wide	2110 - 2170	21	> 99,0
W-LAN 2400	2400 - 2500	20	~ 99,0
5G fast	3400 - 3700	17	~ 98,0
W-LAN 5200	5150 - 5350	13	~ 95,0

### Technical data

available sizes:	S, M, L, XL ≈ 36/38, 40/42, 44/46, 48/50
thickness:	ca. 0,5 mm ± 10 %
colour:	light grey / silver
basis weight:	ca. 125 g/m <sup>2</sup>
mesh size:	< 0,1 mm x 0,1 mm opaque
composition:	89 % Cotton (Organic) 9 % Polyamide 2 % Silver
properties:	very good tear resistance with soft quality, antistatic, elastic
wash cycles:	~ 40 x
basis of examination:	IEEE Standard 299™-2006
shielding effectiveness:	max. 26 dB (> 99 %)

### Care instructions

	particularly gentle washing (delicate or wool wash cycle at 30 or 40 °C)
	gentle ironing on level 1 (iron at low temperature)
	bleaching not allowed No detergents with bleach
	do not tumble dry
	no dry cleaning

### Scope of application

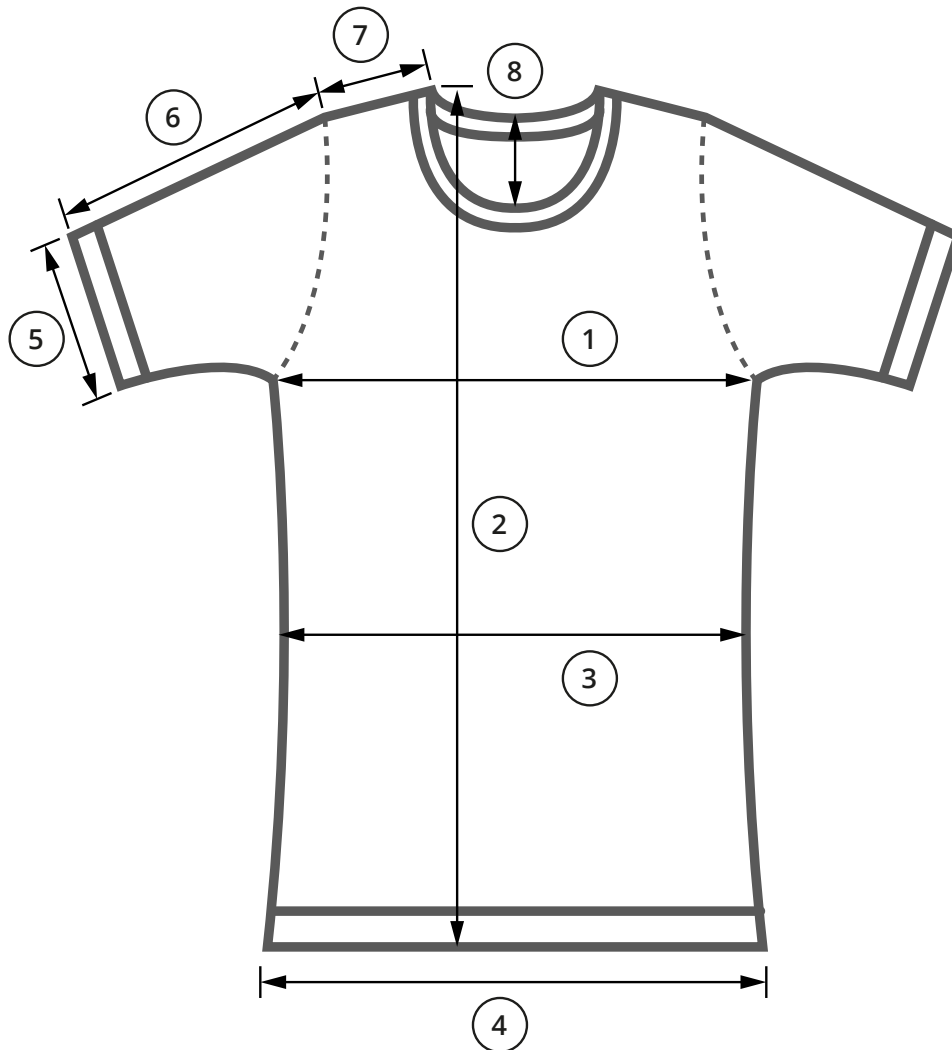
public areas, home  
can be used as outerwear or underwear



New Antiwave - Sizes/Dimensions

Woman-Shirts

No.	Dimensions (in cm)	S 36/38	M 40/42	L 44/46	XL 48/50	Tol ±
1.	Bust	43	47	51	54	3 %
2.	Total length	63	63	67	70	3 %
3.	Waist	39	43	47	50	3 %
4.	Seam bottom	46	50	54	57	3 %
5.	Arm width	14,5	15,5	16,5	17,5	3 %
6.	Arm length	22	22	22	23	3 %
7.	Sholder width	10	10	10,5	11	3 %
8.	Neckline	10	10	10	10	3 %

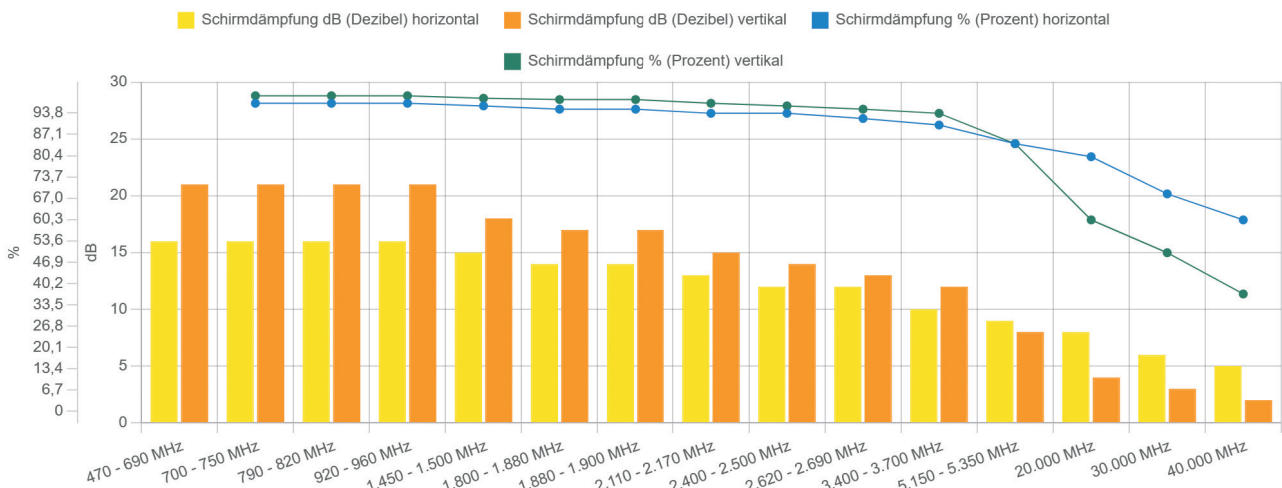




Type	MHz	Description
DVB-T2	470 - 690	digital video broadcasting – terrestrial, 2nd generation, TV via antenna
LTE / 5G wide	700 - 750	from 4G, now 5G NR without beamforming / MIMO
GSM, LTE	920 - 960	from 2G - D1, now 5G NR without beamforming / MIMO
GSM, LTE	1800 - 1880	from 2G - D2, E network, now 5G NR without beamforming / MIMO
DECT	1880 - 1900	wireless phone
LTE, 5G wide	2110 - 2170	from 3G, formerly UTMS, now 5G NR without beamforming / MIMO
W-LAN / WiFi 2400	2400 - 2500	wireless LAN
5G fast	3400 - 3700	5G NR - new frequency band with beamforming / MIMO
W-LAN / WiFi 5200	5150 - 5350	wireless LAN

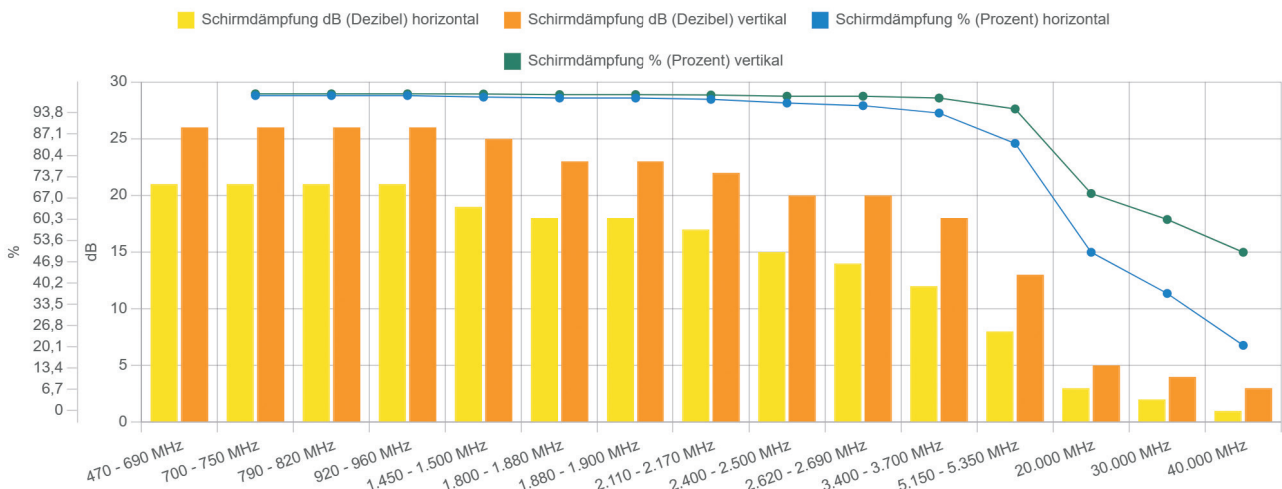
Shielding values according to test report: EMF Test Lab Bavaria

Schirmdämpfung - Antiwave OC weiß - unstretched - 470 MHz bis 40.000 MHz (40 GHz)



1.000 MHz = 1 GHz +/- (gem. Prüfgutachten EMF Test Lab Bavaria)

Schirmdämpfung - Antiwave OC weiß - stretched - 470 MHz bis 40.000 MHz (40 GHz)



1.000 MHz = 1 GHz +/- (gem. Prüfgutachten EMF Test Lab Bavaria)