

SHIELDING EFFECTIVENESS TEST RESULTS

All our shielding materials are tested by the university laboratory of the German Armed Forces. Measurements are conducted in accordance with the ASTM D-4938-18 standard. From 1 MHz to 4.5 GHz and from 7 GHz to 8 GHz.

SHIELDING EFFECTIVENESS - 1 LAYER

Frequency / Source	JERSEY	VOILETTE	ARMURE (Armor)	100% Silver KNIT	100% Silver MUSLIN
Tetra (0.450 MHz)	50 dB	43 dB	58 dB	48 dB	46 dB
Mobile: 0.9 GHz	48 dB	43 dB	58 dB	48 dB	45 dB
Mobile: 1.8 GHz	50 dB	44 dB	59 dB	49 dB	46 dB
Wi-Fi, Bluetooth (2.450 GHz)	50 dB	43 dB	59 dB	50 dB	44 dB
5G: 3.2 – 3.8 GHz	49 dB	41 dB	58 dB	49 dB	40 dB
High-band Wi-Fi, Radars (8 GHz)	26 dB	23 dB	45 dB	38 dB	18 dB

SHIELDING EFFECTIVENESS - 2 LAYERS

Frequency / Source	JERSEY	VOILETTE	ARMURE (Armor)	100% Silver KNIT	100% Silver MUSLIN
Tetra (0.450 MHz)	60 dB	51 dB	71 dB	60 dB	46 dB
Mobile: 0.9 GHz	62 dB	53 dB	75 dB	65 dB	44 dB
Mobile: 1.8 GHz	75 dB	57 dB	82 dB	70 dB	46 dB

Wi-Fi, Bluetooth (2.450 GHz)	74 dB	59 dB	86 dB	75 dB	43 dB
5G: 3.2 – 3.8 GHz	76 dB	59 dB	89 dB	77 dB	39 dB
High-band Wi-Fi, Radars (8 GHz)	54 dB	41 dB	71 dB	61 dB	31 dB