HP800_G3 Manual

High pass filter with a transmission band of 800 MHz - 3000 MHz and a cutoff band of 10 MHz - 600 MHz. Designed for the suppression of amateur radio, radio and TV transmissions.

This highly selective, external, attachable 800 MHz high pass filter suppresses low frequency disturbances. It is compatible with the standard Log-Per antenna of the extremely broadband equipment HFE35C, HF59B and the HFE59B (here incl.). This filter eliminates cross talk of strong transmissions at lower frequencies.

Assembly:

The filter is screwed between the antenna cable and the antenna jack of your HF-Analyzer. If necessary use our snap-on tightening aid MZU0076. CAUTION: Tools SHOULD NOT be used for tightening the connections because over tightening can damage the threads. The filter is usually attached directly to the antenna jack. If required it can also be assembled on a 90 degree angle with the enclosed SMA elbow connector. (CAUTION: Do not fold the antenna cables!)

The HF-Analyzer supplies the filter with power. A green light-emitting diode illuminates through the high pass symbol on the filter. Please pay attention to the Low-Batt. warning on the HF-Analyser's display, as the light-emitting diode still glows even if power supply is not sufficient for proper function!

Interpreting the Displayed Measurements

The high pass filter HP800_G3 has a transmission loss of approx. 1 dB.
If precise measurement is required, the displayed value should be multiplied by a factor of 1.25.

Example:	Displayed value:	True (precise) value:
	100 µW/m²	100 µW/m² x 1,25 = 125 µW/m²

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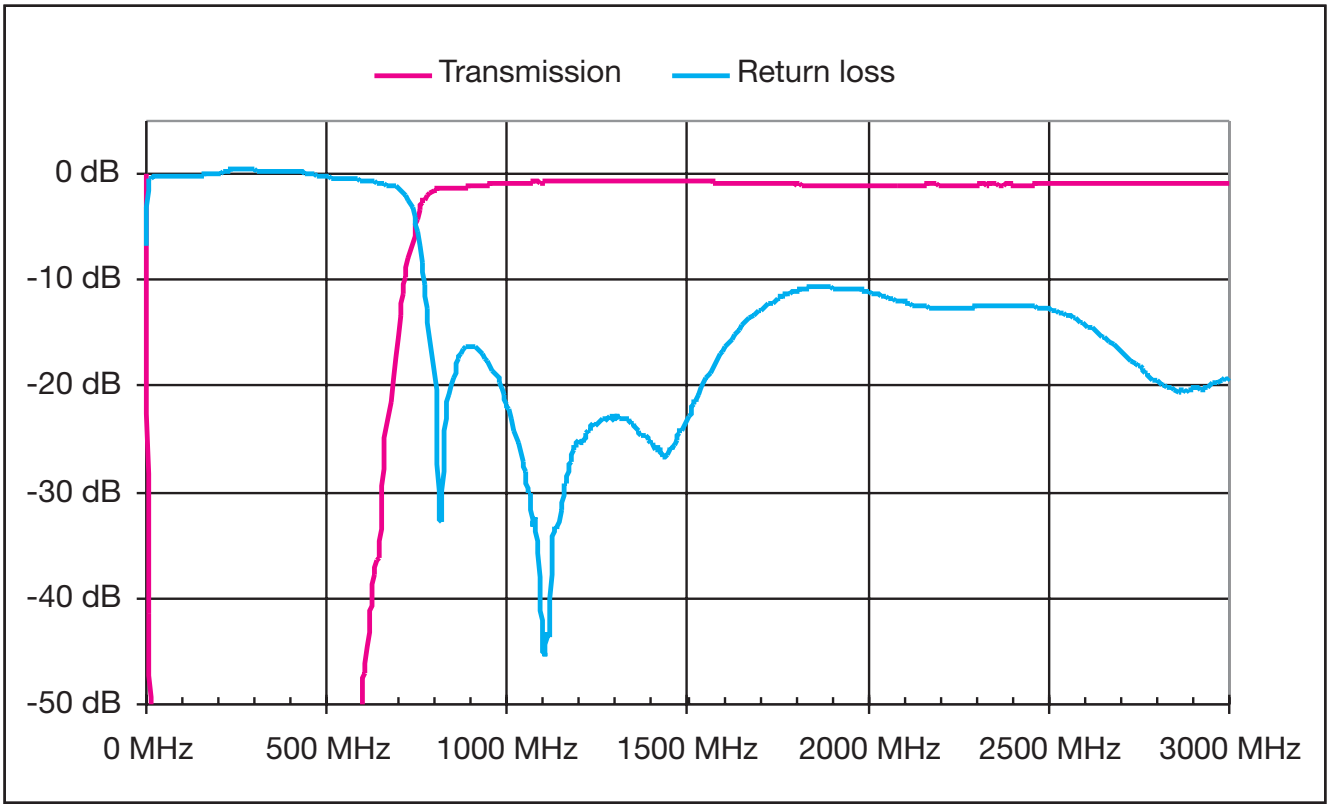
Technical data:

Cutoff band:	10 MHz - 600 MHz < -50 dB
Transmission band:	0 Hz, 800 MHz - 3000 MHz = -1 dB ± 0,5 dB
Return loss:	> 12 dB

Diagram:



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