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at www.DeafEquipment.co.uk**



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Solutions to improve the quality of life



MicroLink Freedom is the world's first design-integrated FM receiver for a BTE speech processor and is offered exclusively to Nucleus Freedom users. This multi-frequency FM receiver is discrete and comfortable to match the sophisticated curves of the Freedom BTE processor and is of course compatible with all Phonak transmitters.



FM

MicroLink Freedom and Nucleus Freedom



Technical Data

Frequency range:	169.40–176.00 MHz (Band HA) 214.00–220.00 MHz (Band NB)
Frequency:	Multi-channel, quartz-stabilized
Frequency stability:	Better than ± 10 ppm over the whole voltage and temperature range
Frequency fine tuning (AFC):	± 6 kHz
Type of modulation:	FM
Adjacent channel selectivity:	> 50 dB at 150 kHz
Sensitivity:	SINAD > 22 dB at $E = 3$ mV/m
Signal-to-noise ratio:	55 dB
EMC:	According to ETS 300445 standard
IEC approval:	According to ETS 300442 standard
Antenna:	Built-in magnetic antenna
Voltage range:	0.9–1.6 V
Current consumption (typical):	
• FM / FM + mic.	2.1 mA (1.2 V)
• Standby mode	< 200 μ A (1.2 V)
Audio bandwidth:	100–7500 Hz (-3 dB)
Total harmonic distortion:	$< 2\%$ for $f_{\text{mod}} = 1$ kHz and $\Delta f_{\text{dev}} = 3$ kHz
Operating temperature range:	-10°C to $+60^{\circ}\text{C}$
Reception range:	up to 40 meters (120 feet)