SKM 6000

Architect’s Specification

The handheld transmitter shall be for use with a companion receiver as part of a true digital wireless RF transmission system. The handheld transmitter shall operate in the UHF frequency range between 470.200 and 717.900 MHz. Different frequency variants shall be available depending on country-specific regulations.

The transmitter shall feature a backlit LC display showing battery status, the frequency or the channel name, the status of the lock mode, the AES 256 encryption status and warnings. Remaining operating time shall be indicated by both a battery icon and numeric indication in hours and minutes. All transmitter parameters shall be adjustable with function buttons on the device itself or by infrared synchronization via the associated receiver. The function buttons shall be lockable against accidental misuse.

The frequency switching bandwidth shall be up to 88 Mhz with a frequency stability of < 5 ppm and a tunability of 25 kHz steps. RF output power shall be 25 mW rms and 50 mW peak.

The transmitter shall feature an LED indicating the operating status when the device is switched on. The LED shall flash at audio peaks and shall be defeatable when the device is in lock mode.

The AF frequency response shall range from 30 – 20,000 Hz. The lower frequency limit (-3 dB) shall be adjustable between 60 Hz, 80 Hz, 100 Hz or 120 Hz. The Audio amplification shall be adjustable in steps of 3 dB from 0 dB to +62 dB (depending on the capsule).

The transmitter shall utilize Sennheiser’s standard capsule interface serving Sennheiser microphone heads of the evolution wireless and 2000 series and Digital 9000 as well as the Neumann KK 204 / 205 microphone heads.

The transmitter shall be powered by the Sennheiser lithium-ion rechargeable battery pack BA 60 with a typical operating time of 5.5 hours. The rechargeable battery pack shall be exchangeable. The housing of the transmitter shall be made of magnesium.

Dimensions shall be approximately 40 mm (1.57") in diameter and 270 mm (10.63") in length. Weight (with microphone head and battery pack) shall be approximately 350 grams (13.35 oz / 0.77 lbs). Operating temperature shall range from −10 °C to +50 °C (+14 °F to +122 °F).

The handheld transmitter shall be the Sennheiser SKM 6000.