



## Specifications headset DPA 4488

### **Directional pattern**

Cardioid

### **Principle of operation**

Pressure gradient

### **Cartridge type**

Pre-polarized condenser

### **Frequency response**

20 Hz - 20 kHz

### **Effective frequency range, $\pm 2$ dB, Near field 2-3 cm (0.8 - 1.2 in)**

100 Hz - 20 kHz (4 - 6 dB soft boost at 15 kHz)

### **Sensitivity, nominal, $\pm 3$ dB at 1 kHz**

6 mV/Pa; -44 dB re. 1 V/Pa

### **Equivalent noise level, A-weighted**

Typ. 26 dB(A) re. 20  $\mu$ Pa (max. 28 dB(A))

### **Equivalent noise level, ITU-R BS.468-4**

Typ. 38 dB (max. 40 dB)

### **Distortion, THD < 1% - CORE**

134 dB SPL RMS, 137 dB SPL peak

### **Dynamic range - Legacy**

Typ. 97 dB

### **Dynamic range - CORE**

Typ. 111 dB

### **Max. SPL, THD 10%**

144 dB SPL peak

### **Rated output impedance**

30 - 40  $\Omega$

### **Cable drive capability**

Up to 300 m (984 ft) with DAD6001-BC XLR Adapter

### **Power supply (for full performance)**

For wireless systems: Min. 5 V - max. 10 V through DPA adapter

With DAD6001-BC: P48 (Phantom Power). Will work from 12 V

### **Current consumption**

Typ. 1.5 mA (microphone). 3.5 mA with DAD6001-BC XLR Adapter

### **Connector**

MicroDot

### **Color**

Black, beige or brown

### **Weight**

14 g (0.5 oz) incl. Cable and MicroDot connector

### **Microphone diameter**

5.4 mm (0.21 in)

### **Microphone length**

11 mm (0.5 in)

### **Cable length**

1.2 m (3.9 ft)

### **Cable diameter**

1.6 mm (0.06 in)



### Polarity

Positively increasing sound pressure produces positive going voltage on MicroDot pin

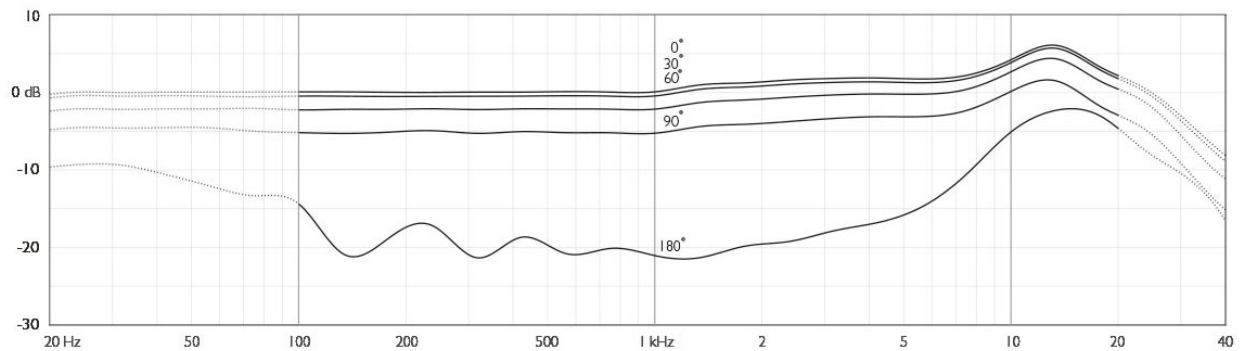
### Temperature range

-40°C to 45°C (-40°F to 113°F)

### Relative humidity (RH)

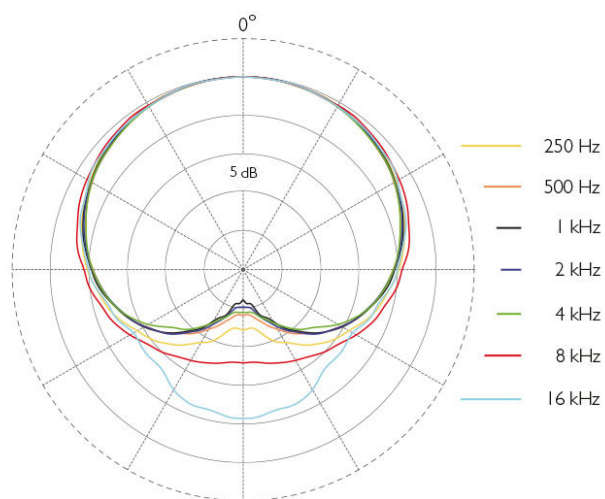
Up to 90%

## 4488 Frequency response



Typical on and off-axis response of a 4488

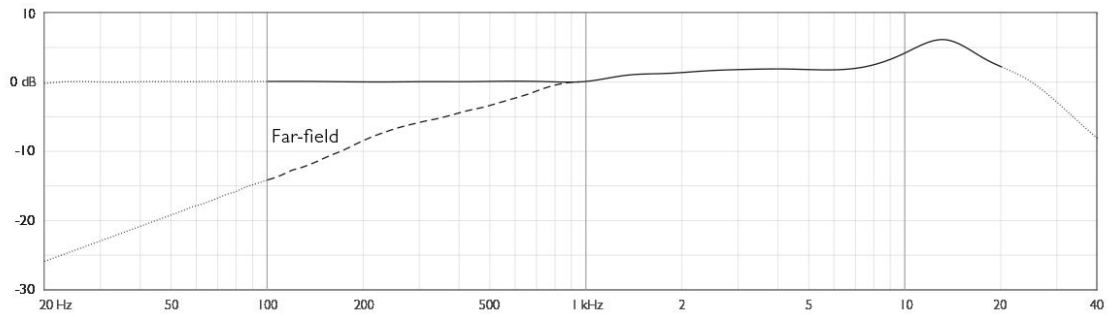
## Polar pattern



Typical directional characteristics of a 4488



## Frequency response in near and far field



Frequency response of the 4488 in near and far field