

# Ultra-high frequency microphone kit SS 776

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Ultra-high frequency (UHF) artificial ear is an ear simulator that simulates the way that an earplug catheter is inserted into the ear canal or auricle, and the acoustic performance of the earphone is measured by simulating the coupling between the earphone and the human ear. The SS 776 uses a 1/4 inch microphone internally. The coupling cavity and preamplifier are integral and non-detachable. It is a prepolarized pressure field measurement microphone kit.

The SS 776 is positioned as a cost-effective high frequency microphone for ultrasonic acoustic measurement, specifically for in-ear headphone product audio production line testing. With MegaSig PM 0083 IEPE signal conditioner for the best test results.

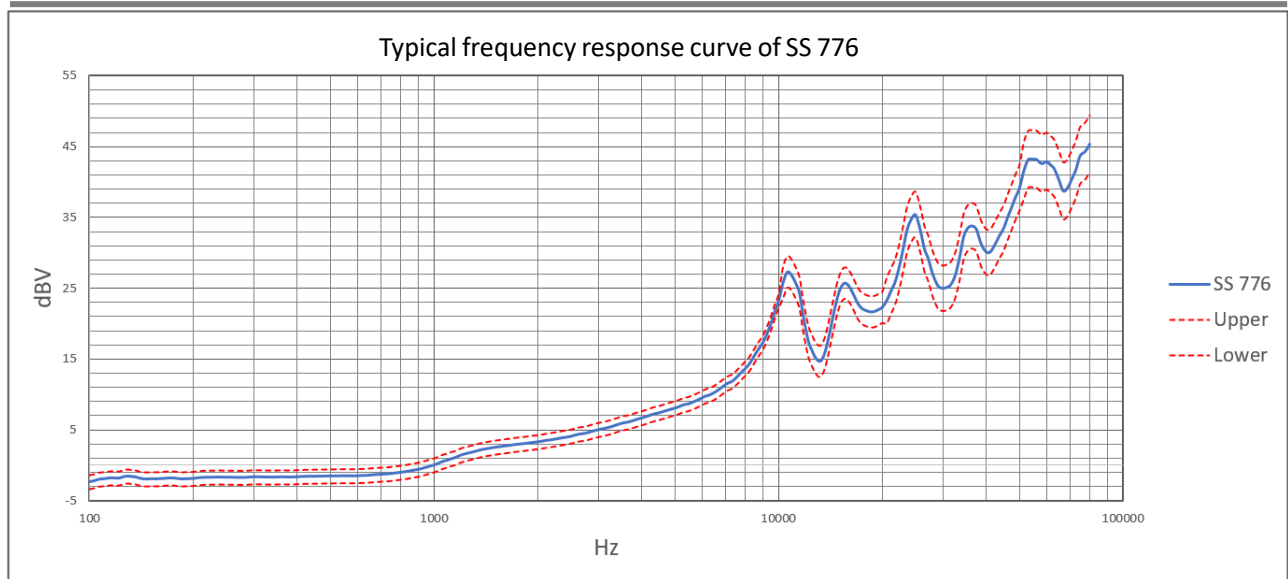
## Product features

- Ultra-high frequency measurement
- Ultra-high sound pressure measurement

## Specifications

<b>Frequency Response</b>	100Hz ~ 10KHz ± 1dB      10KHz ~20kHz ± 2.2dB, 20KHz ~ 50kHz ± 3.2dB      50KHz ~ 80kHz ± 4dB
<b>Noise level</b>	<50dBA
<b>Sensitivity</b>	1.6mV/Pa    (-56 dB±3dB) re 1V/Pa
<b>Dynamic range (dB)</b>	50dB-162dB
<b>Diameter</b>	23.8mm
<b>Connector</b>	Microdot (M5)
<b>Working temperature</b>	-20°C to 60°C
<b>Temperature Coefficient</b>	10- 90% no condensation
<b>Storage condition</b>	Temperature: 25°C±5°C, humidity: 50%±15%RH (to ensure the long-term stability of the sensor)

### Typical frequency response curve



MegaSig reserves the right to change specifications and accessories without notice.



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