5100 Mobile 5.1 Surround Mic

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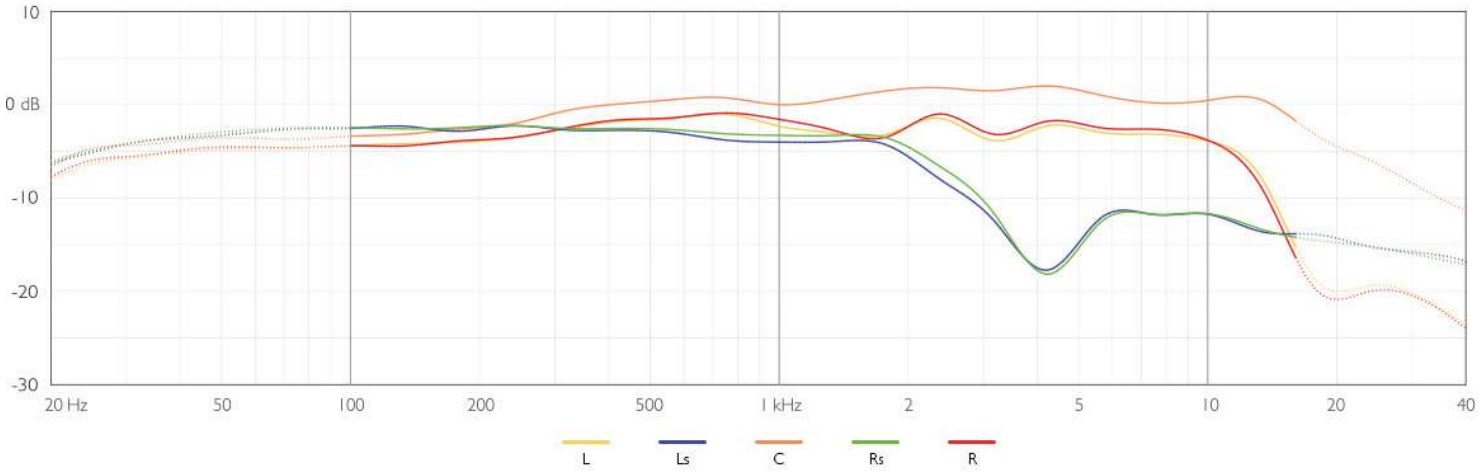
Specifications

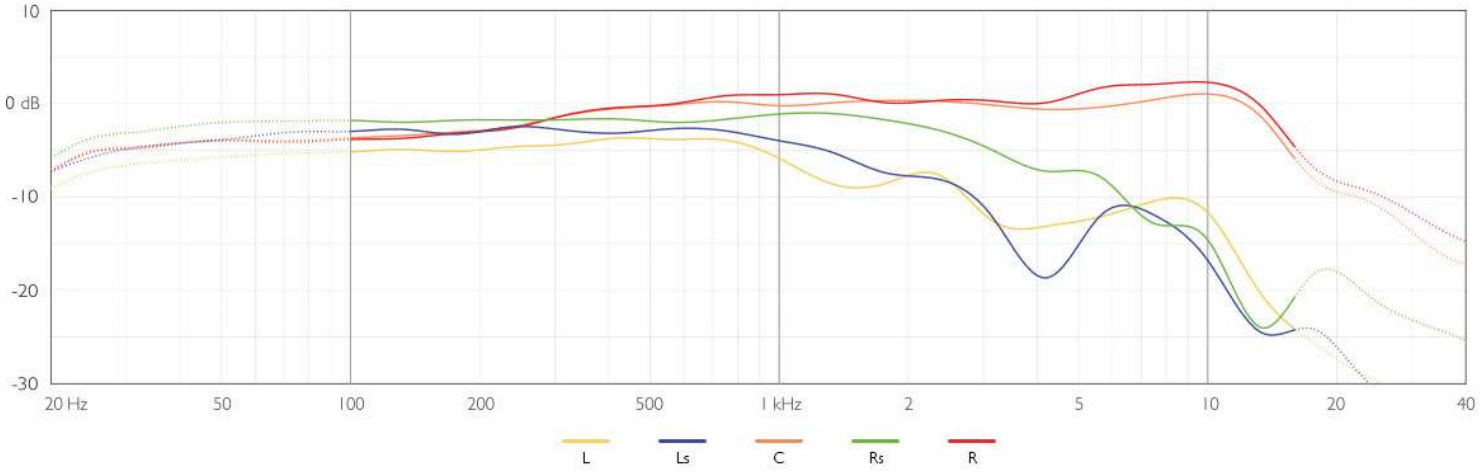
Directional pattern	Directional
Principle of operation	Pressure, with interferece tube and separation baffles
Cartridge type	Pre-polarized condenser
Frequency response	L, C, R, LS, RS: 20 Hz to 20 kHz; LFE: 20 Hz to 120 Hz
Effective frequency range ±2 dB	L, C, R: 200 Hz to 16 kHz; LS, RS: 100 Hz to 12 kHz; LFE: 20 Hz to 120 Hz

Sensitivity, nominal, ±3 dB at 1 kHz	L, C, R: 26 mV/Pa; LS, RS: 28 mV/Pa
Equivalent noise level, A-weighted	L, C, R: Typ. 18 dB(A) (max. 21 dB(A)); LS, RS: Typ. 20 dB(A) (max. 23 dB(A))
Equivalent noise level, ITU-R BS.468-4	L, C, R: Typ. 29 dB (max. 32 dB); LS, RS: Typ. 31 dB (max. 34 dB)
Distortion, THD < 1%	120 dB SPL RMS, 123 dB SPL peak
Dynamic range	L, C, R, LS, RS: 103 dB; LFE: 100 dB
Max. SPL, THD 10%	132 dB SPL peak
Rated output impedance	50 Ω
Cable drive capability	100 m (328 ft)
Output balance principle	Active Signal balanced
Common mode rejection ratio (CMRR)	> 60 dB, 50 Hz - 20 kHz
Power supply (for full performance)	P48 (Phantom Power)
Current consumption	Typ. 5 mA (max. 5.5 mA)
Connector	Lemo multipin
Color	Black
Weight	500 g (17.6 oz)
Microphone diameter	W: 240 mm (9.4 in), H: 140 mm (5.5 in), D: 195 mm (7.7 in)
Capsule diameter	5.4 mm (0.21 in)
Cable length	5 m (16.4 ft)
Cable color	Black
Cable diameter	9.3 mm (0.37 in)
Maximum output voltage	L, C, R, LS, RS: 1,8 Vrms / 2,5 Vpeak; LFE: 1 Vrms / 1,4 Vpeak

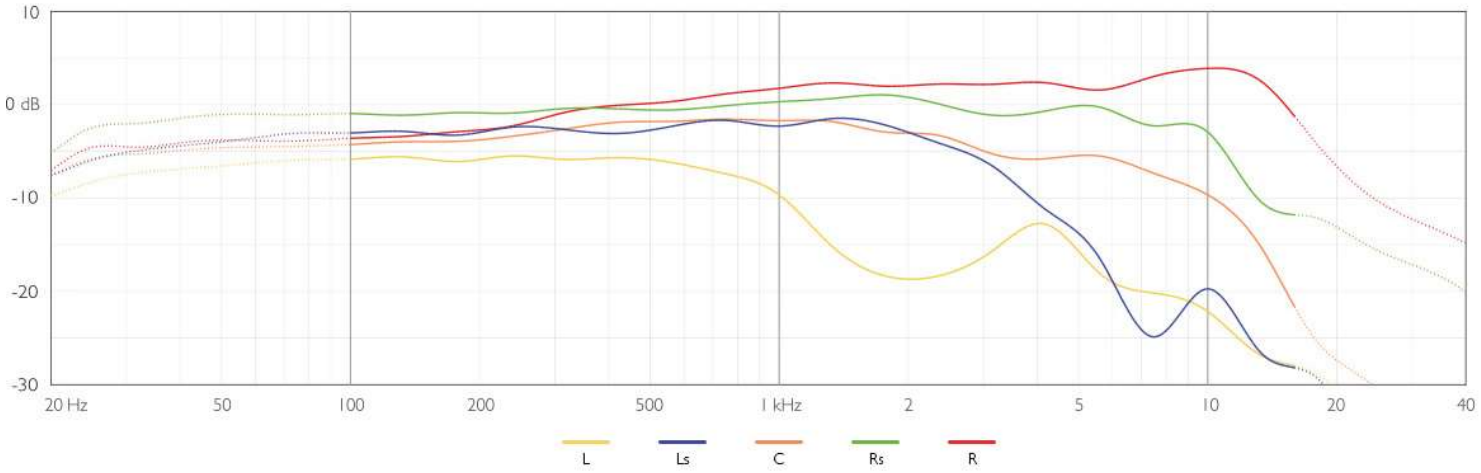
Polarity	+V at pin 2 for positive sound pressure
Temperature range	-40°C to 45°C (-40°F to 113°F)
Relative humidity (RH)	Up to 90%



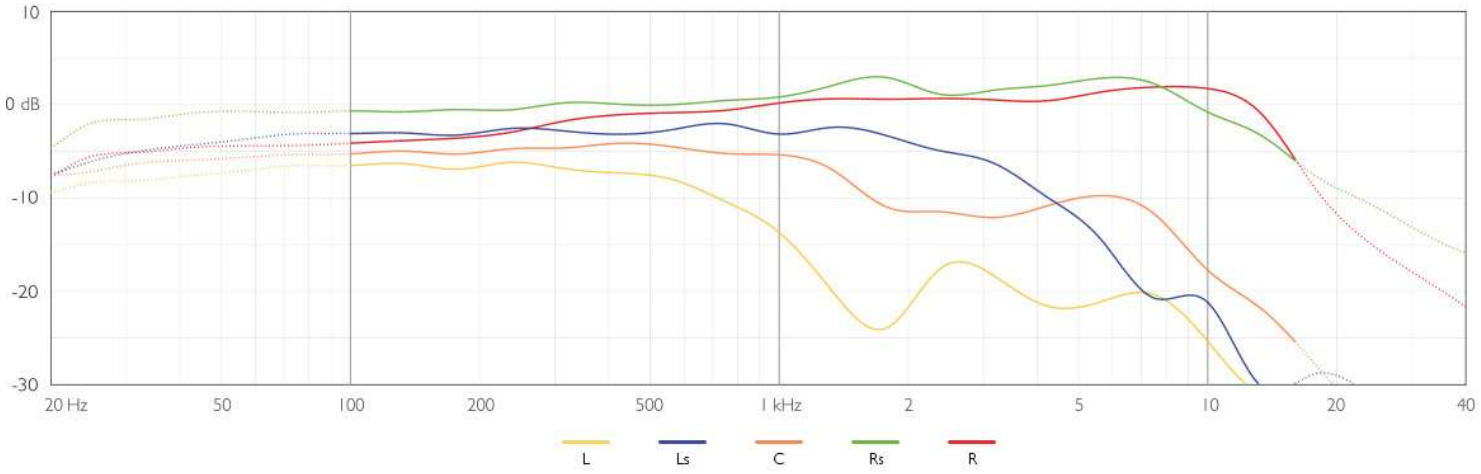
Typical frequency response of a 5100 at 0 degrees



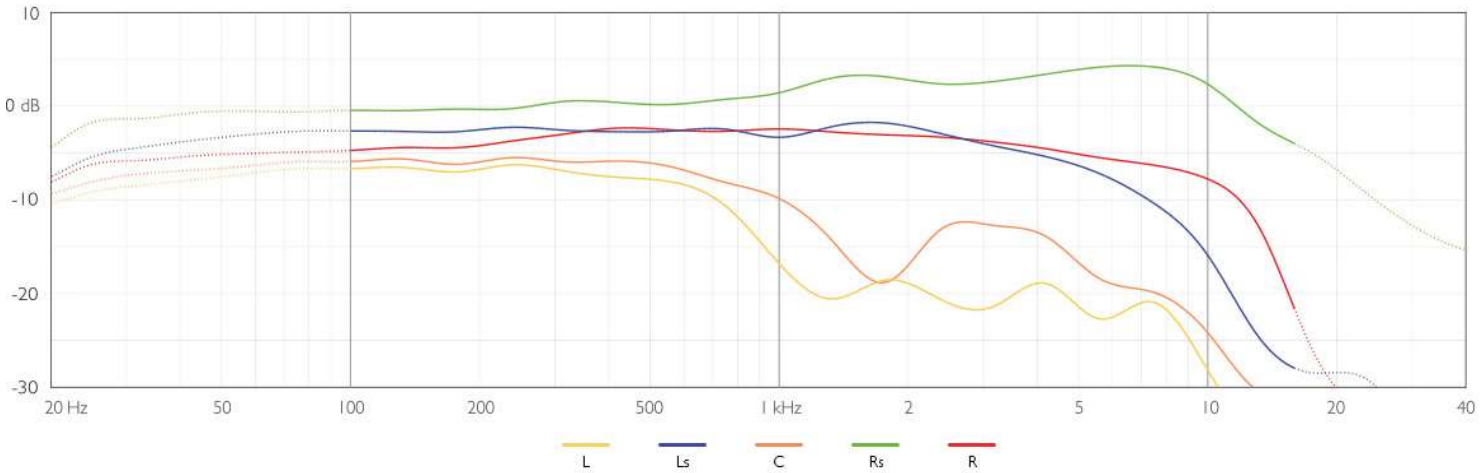
Typical frequency response of a 5100 at 30 degrees



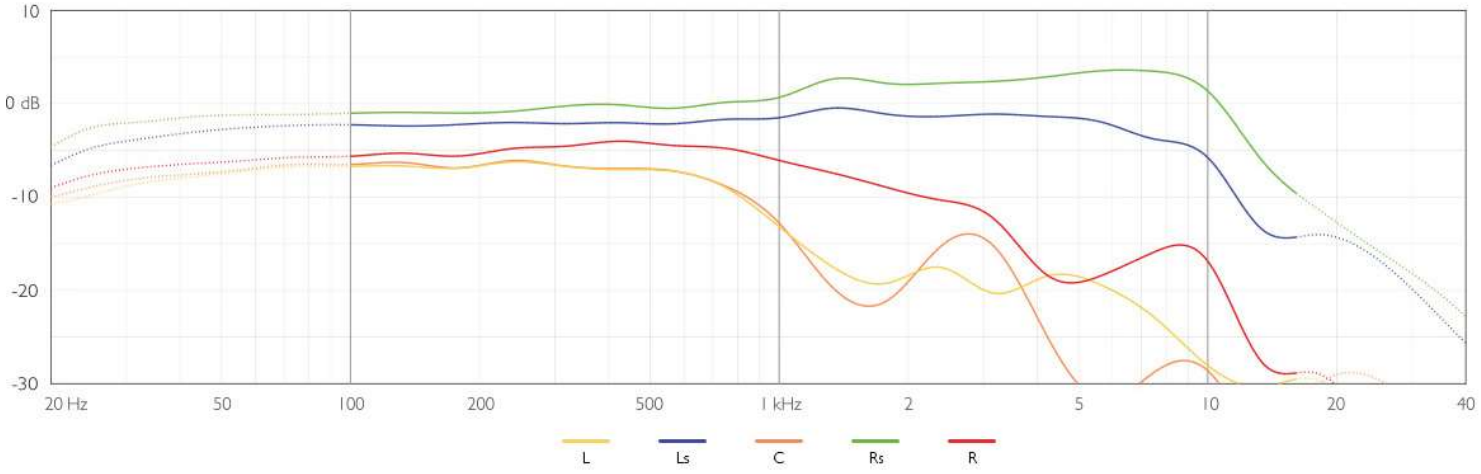
Typical frequency response of a 5100 at 60 degrees



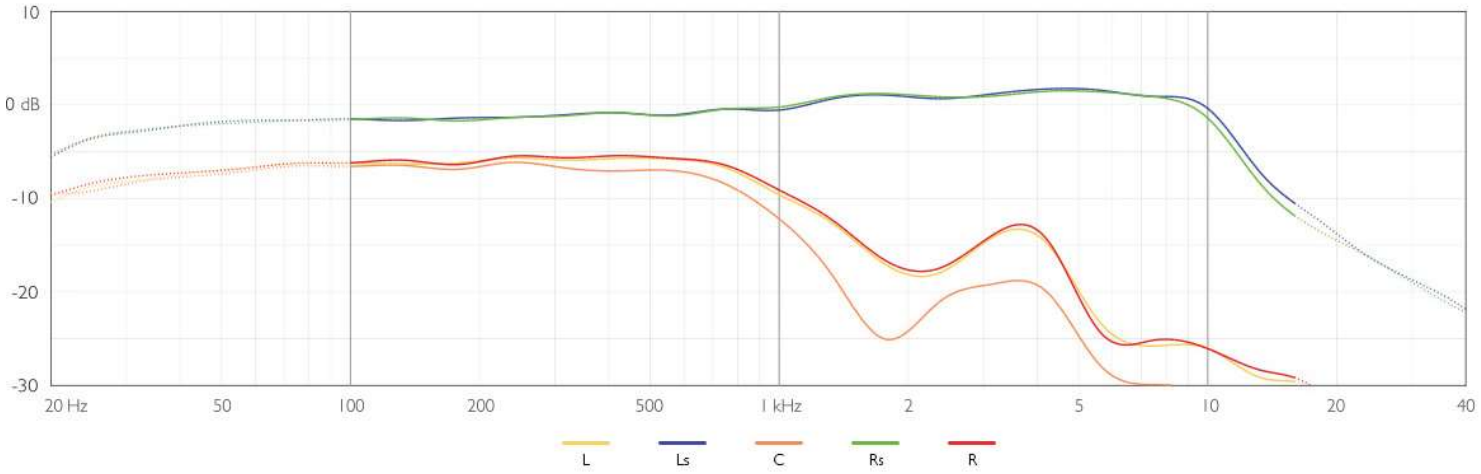
Typical frequency response of a 5100 at 90 degrees



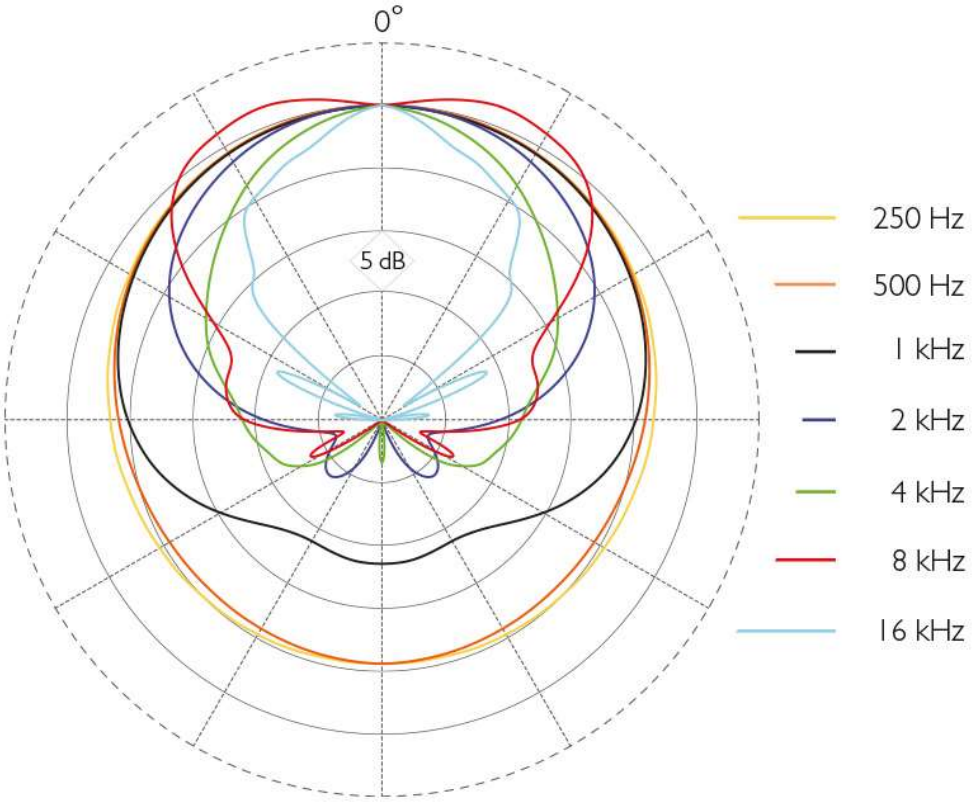
Typical frequency response of a 5100 at 120 degrees



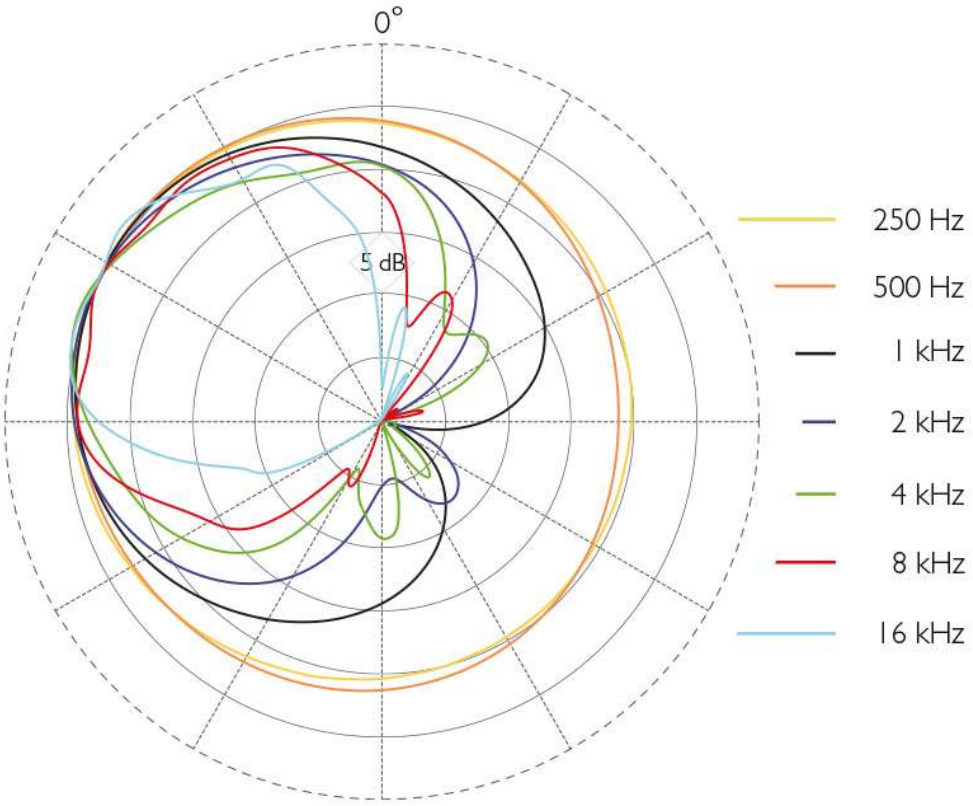
Typical frequency response of a 5100 at 150 degrees



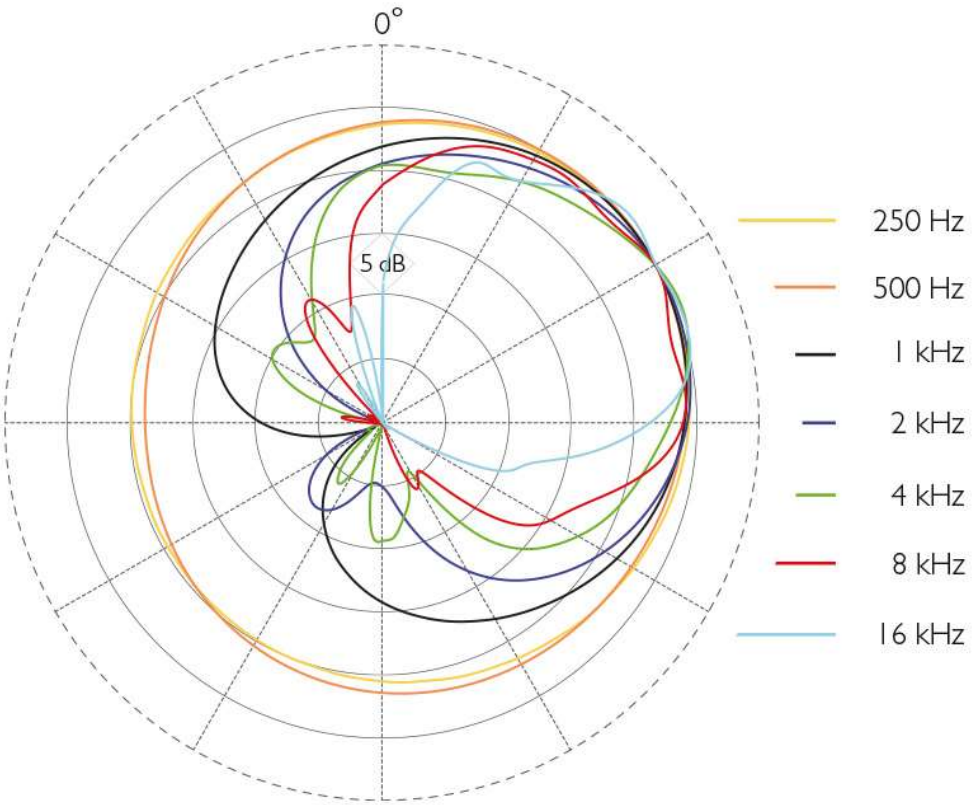
Typical frequency response of a 5100 at 180 degrees



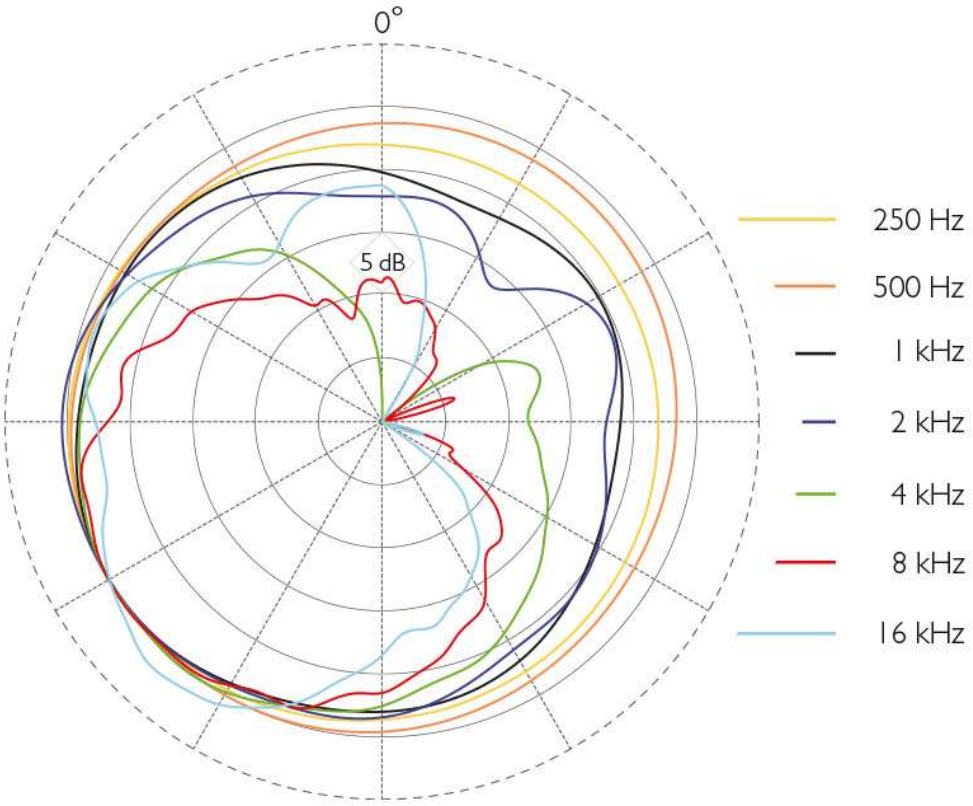
Typical directional characteristics of a 5100 (Normalized): Center



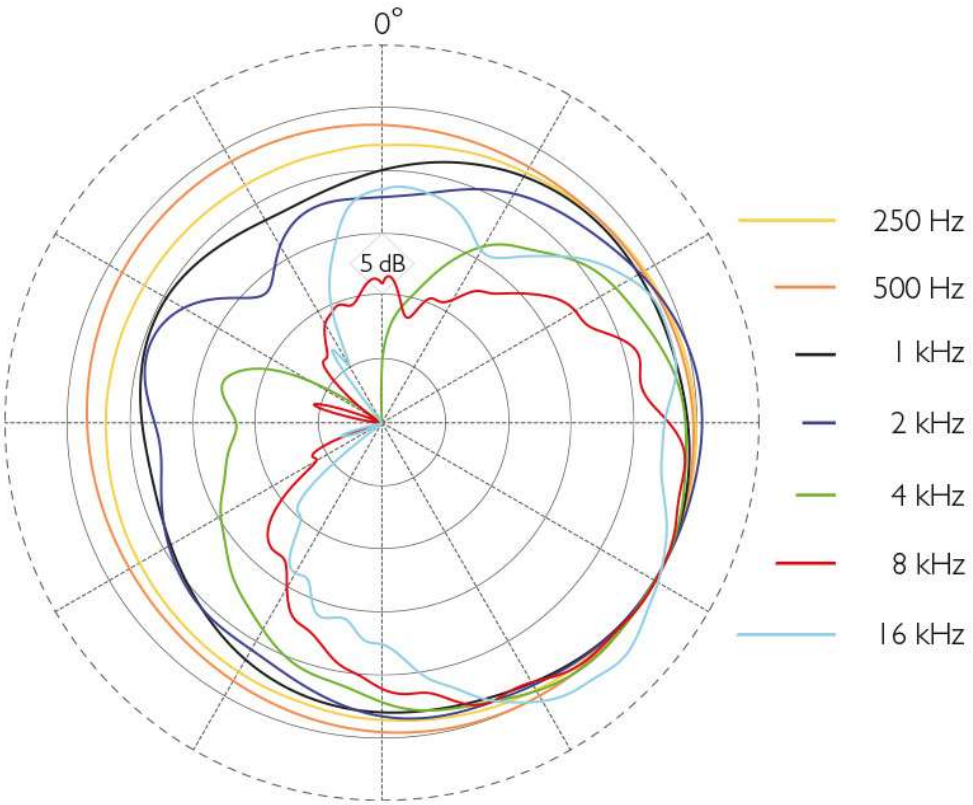
Typical directional characteristics of a 5100 (Normalized): Left



Typical directional characteristics of a 5100 (Normalized): Right



Typical directional characteristics of a 5100 (Normalized): Left Surround



Typical directional characteristics of a 5100 (Normalized): Right Surround