

**8CX21** 8 Ω

- 400 W continuous program power capacity
- 100° nominal coverage
- 75 - 20000 Hz response
- 94 dB sensitivity
- 34.5 mm (1.35") HF unit exit diameter
- FB08CX21 dedicated crossover network



# 8CX21 8 Ω

## GENERAL

Nominal Diameter	<b>210 mm (8 in)</b>
Nominal Impedance	<b>8 Ω</b>
Frequency Range	<b>75 Hz - 20000 Hz</b>
Dispersion Angle	<b>100 °</b>
Included by -6 dB down points.	

## PARAMETERS

Fs	<b>74 Hz</b>
Re	<b>5.2 Ω</b>
Qes	<b>0.39</b>
Qms	<b>4.1</b>
Qts	<b>0.36</b>
Vas	<b>15 dm<sup>3</sup> (0.55 ft<sup>3</sup>)</b>
Sd	<b>220 cm<sup>2</sup> (34.1 in<sup>2</sup>)</b>
η0	<b>1.5 %</b>
Xvar	<b>5.5 mm</b>
Mms	<b>21 g</b>
Bl	<b>11.5 Tm</b>
Le	<b>1.2 mH</b>
EBP	<b>190 Hz</b>

## SPECIFICATIONS HF UNIT

Nominal Diameter	<b>210 mm (8 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>7.2 Ω</b>
Nominal Power Handling	<b>25 W</b>
2 hour test made with continuous pink noise signal within the range from the recommended crossover frequency to 20 kHz. Power calculated on rated minimum impedance. Loudspeaker in free air.	
Continuous Power Handling	<b>50 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>101 dB</b>
Applied RMS Voltage is set to 2.83V.	
Recommended Crossover	<b>2.2 kHz</b>
12 dB/oct. or higher slope high-pass filter.	
Voice Coil Diameter	<b>36 mm (1.4 in)</b>
Winding Material	<b>Aluminium</b>
Inductance	<b>0.14 mH</b>
Flux Density	<b>1.45 T</b>
Diaphragm Material	<b>Polyester</b>

## SPECIFICATIONS LF UNIT

Nominal Diameter	<b>210 mm (8 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.1 Ω</b>
Nominal Power Handling	<b>200 W</b>
2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	
Continuous Power Handling	<b>400 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>94 dB</b>
Applied RMS Voltage is set to 2.83V.	
Voice Coil Diameter	<b>52 mm (2 in)</b>
Winding Material	<b>Copper</b>
Former Material	<b>Kapton</b>
Winding Depth	<b>16 mm (0.63 in)</b>
Magnetic Gap Depth	<b>8 mm (0.31 in)</b>
Flux Density	<b>1.1 T</b>
Woofer Cone Treatment	<b>WP Waterproof Front Side</b>

## DESIGN

Magnet Material	<b>Ferrite</b>
Woofer Cone Treatment	<b>WP Waterproof Front Side</b>

## MOUNTING AND SHIPPING INFO

Overall Diameter	<b>225 mm (8.8 in)</b>
Bolt Circle Diameter	<b>210 mm (8.3 in)</b>
Baffle Cutout Diameter	<b>187 mm (7.4 in)</b>
Depth	<b>135 mm (5.3 in)</b>
Flange and Gasket Thickness	<b>11 mm (0.4 in)</b>
Net Weight	<b>4.1 kg (9.04 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>4.7 kg (10.36 lb)</b>
Shipping Box	<b>295x314x175 mm (11.61x12.36x6.89 in)</b>

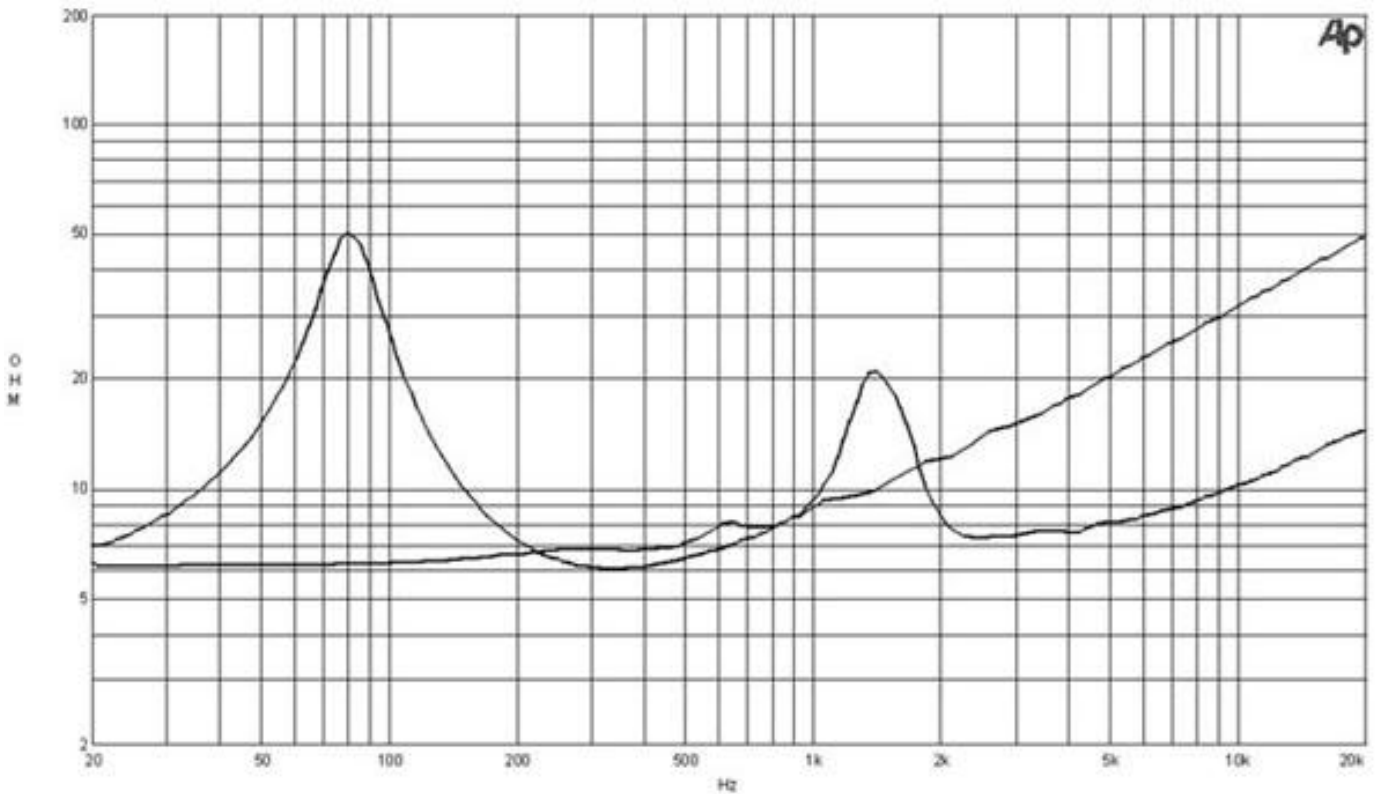
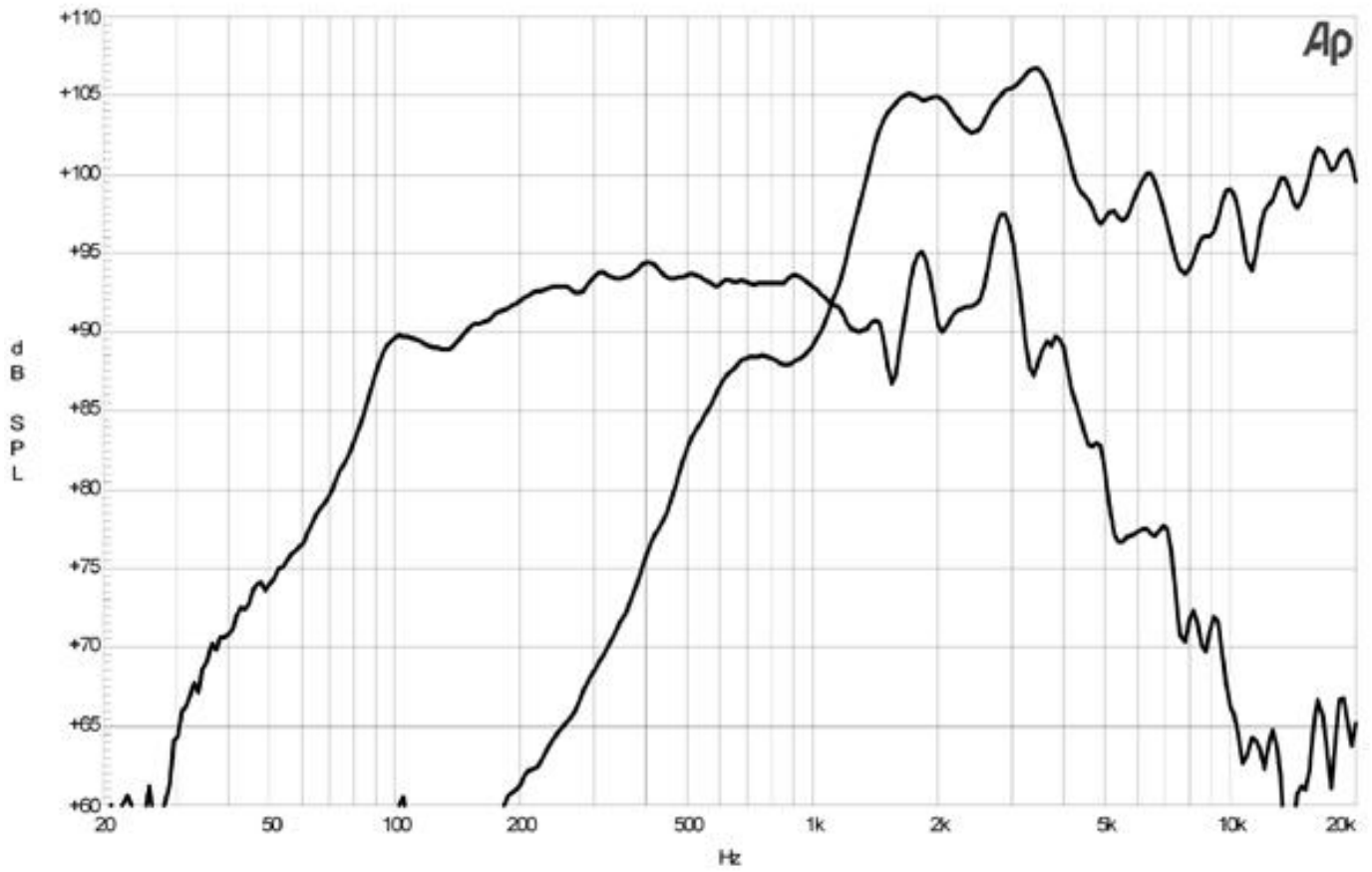
## CROSSOVER

FB08CX21	<b>8 Ω</b>
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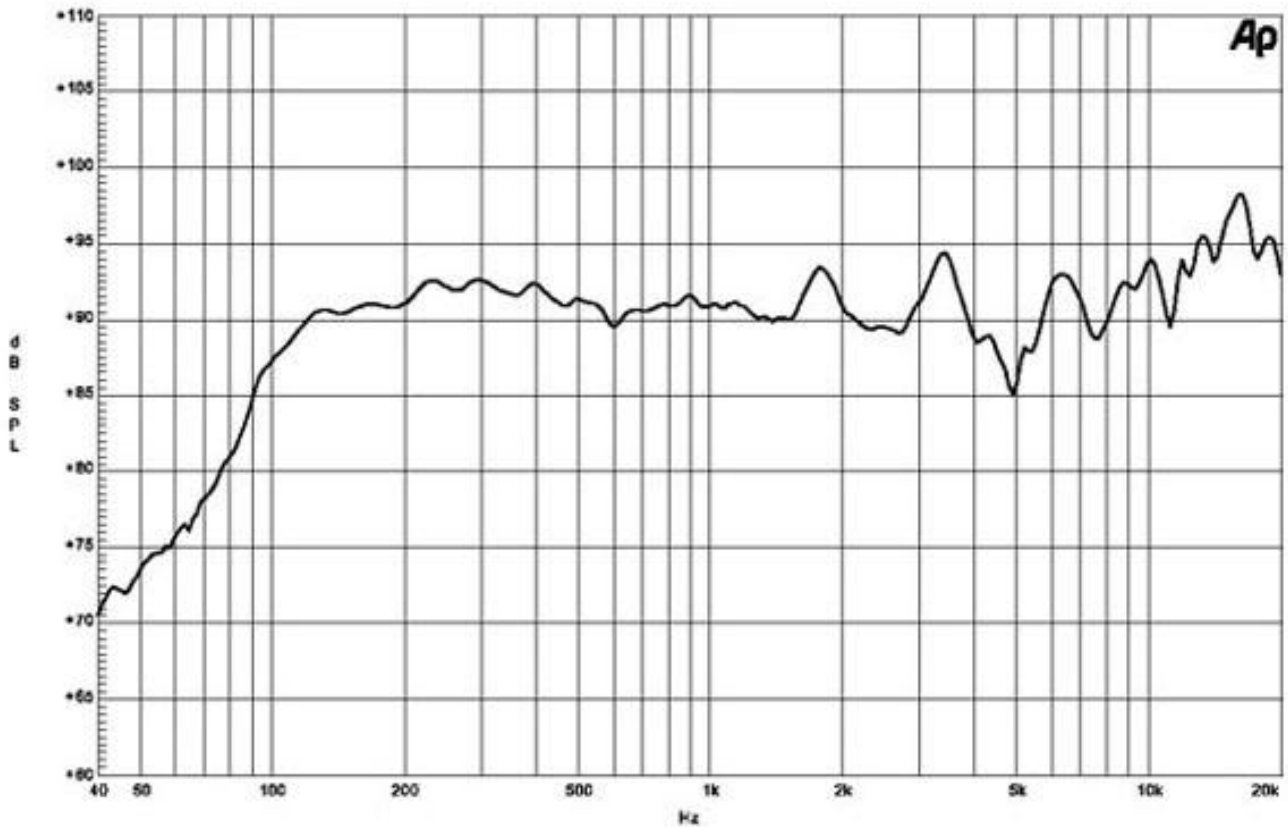
## SERVICE KITS

HF replacement-diaphragm	<b>MMD0128</b>
LF recone-kits	<b>RCK008CX218</b>

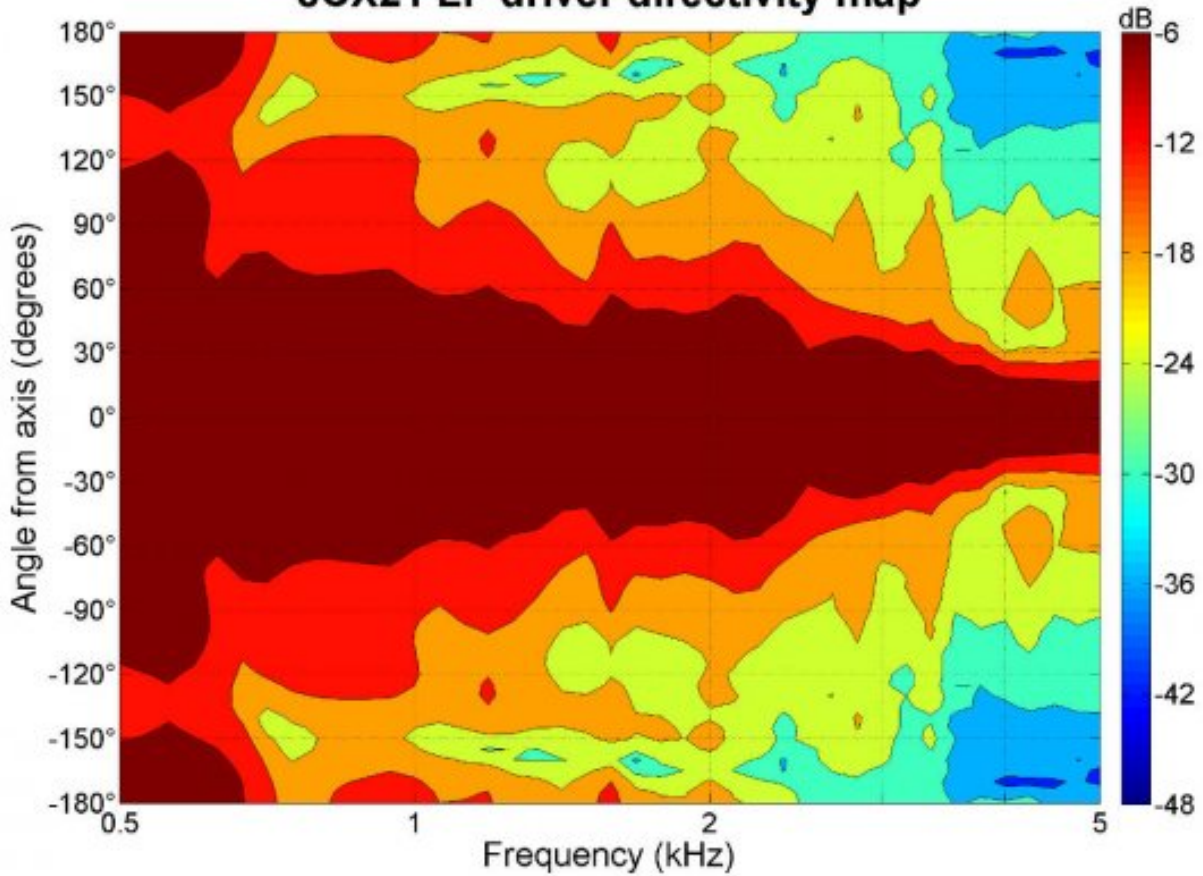
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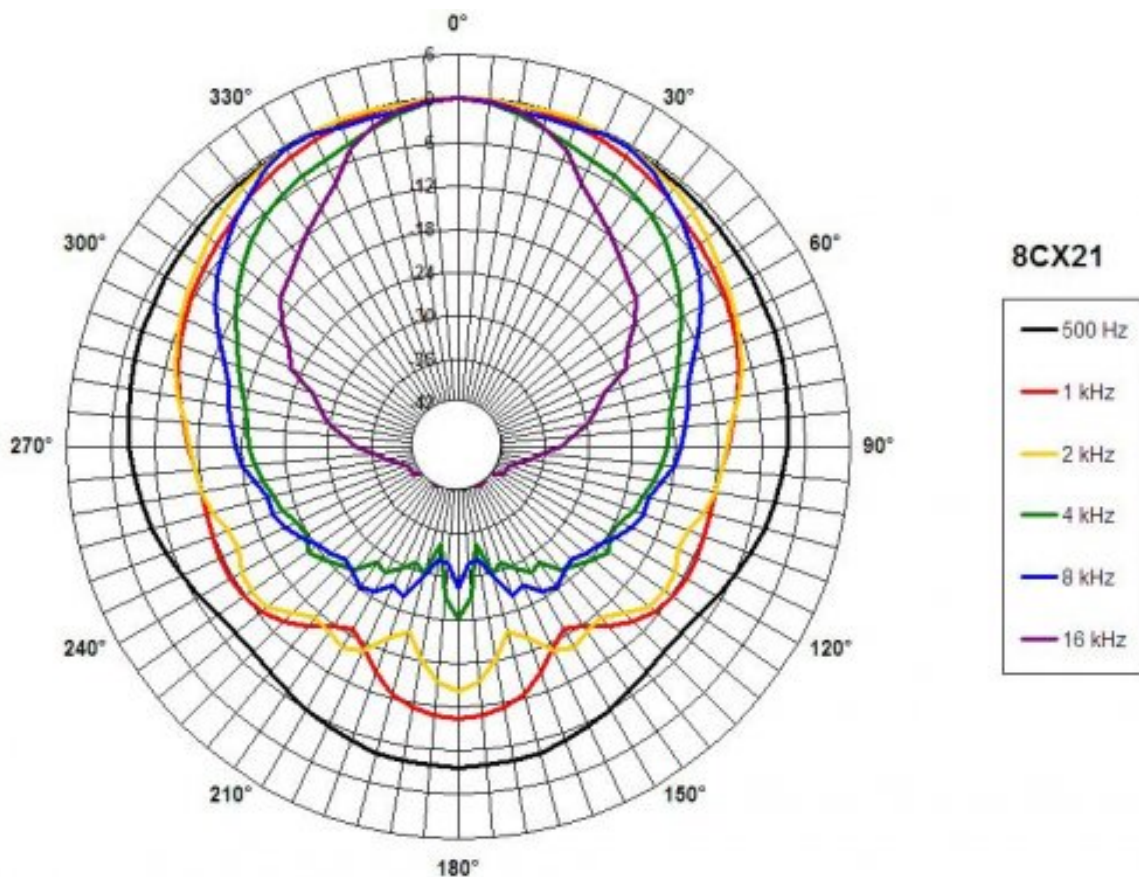
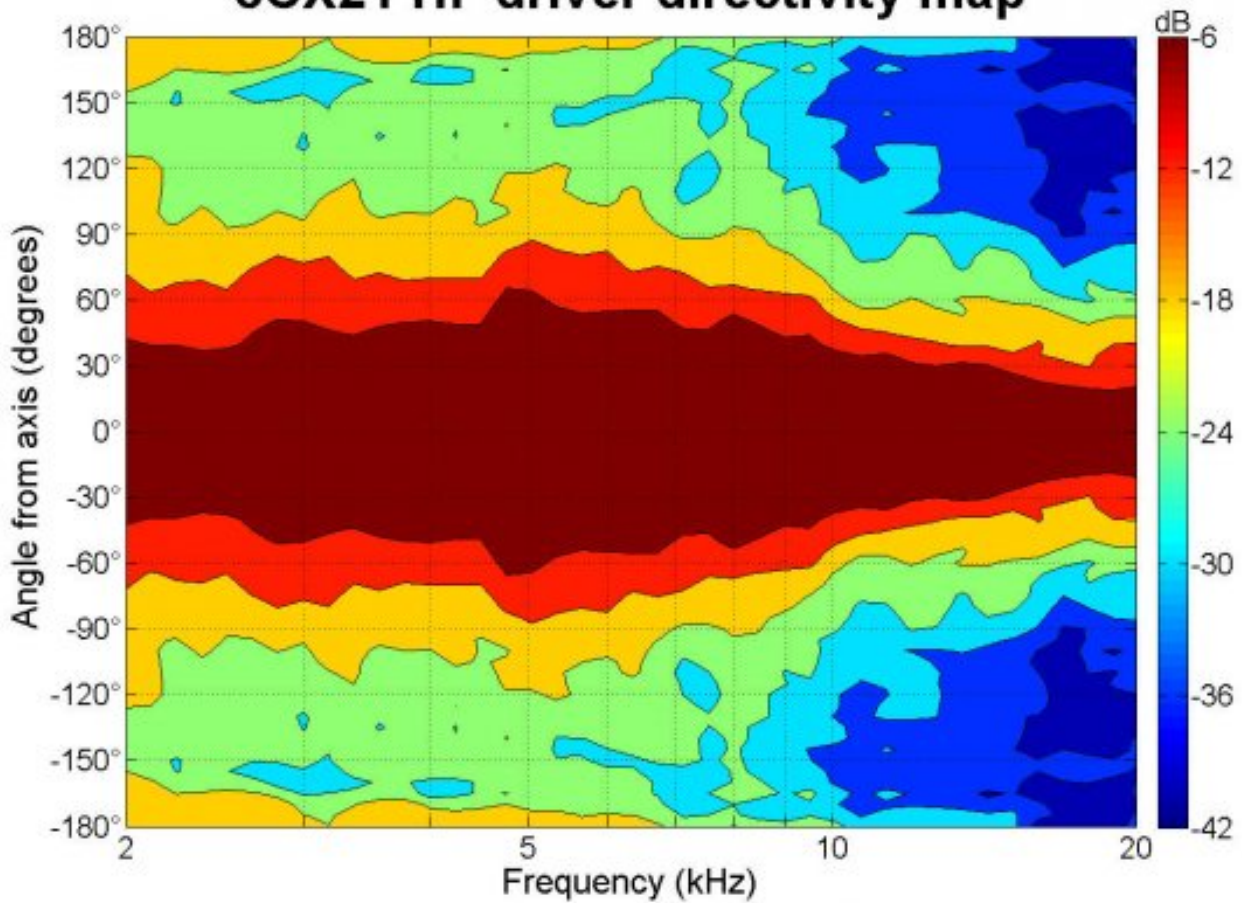


8CX21 LF driver directivity map



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### 8CX21 HF driver directivity map



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