# 15HCX76 8 Ω

- 99 dB sensitivity
- Single Neodymium magnet assembly
- 800 W continuous program power capacity
- 60°x40° nominal coverage
- 40 - 18000 Hz response
- Modified exponential horn flare for improved acoustic loading and controlled coverage
- 33 mm (1.3”) HF unit exit diameter
- Aluminium demodulating ring for very low distortion






**B&C Speakers S.p.A.** Via Poggiomoro, 1 - Loc. Vallina, 50012 Bagno a Ripoli (FI) | ITALY
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## GENERAL

| | |
|---|---|
| Nominal Diameter | **380 mm (15 in)** |
| Nominal Impedance | **8 Ω** |
| Frequency Range | **40 Hz - 18000 Hz** |
| Dispersion Angle<br>Included by –6 dB down points. | **60 °** |

## PARAMETERS

| | |
|---|---|
| Fs | **38 Hz** |
| Re | **5.1 Ω** |
| Qes | **0.3** |
| Qms | **5.8** |
| Qts | **0.28** |
| Vas | **246 dm³ (8.6 ft³)** |
| Sd | **855 cm² (132.5 in²)** |
| η0 | **3.7 %** |
| Xvar | **6 mm** |
| Mms | **82 g** |
| Bl | **17.8 Tm** |
| Le | **0.9 mH** |
| EBP | **127 Hz** |

## SPECIFICATIONS HF UNIT

| | |
|---|---|
| Nominal Diameter | **380 mm (15 in)** |
| Nominal Impedance | **8 Ω** |
| Minimum Impedance | **8 Ω** |
| Nominal Power Handling<br>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. | **80 W** |
| Continuous Power Handling<br>Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | **160 W** |
| Sensitivity<br>Applied RMS Voltage is set to 2.83V. | **107 dB** |
| Recommended Crossover<br>12 dB/oct. or higher slope high-pass filter. | **1.2 kHz** |
| Voice Coil Diameter | **75 mm (3 in)** |
| Winding Material | **Aluminium** |
| Inductance | **0.14 mH** |
| Flux Density | **1.9 T** |
| Diaphragm Material | **Titanium** |

## SPECIFICATIONS LF UNIT

| | |
|---|---|
| Nominal Diameter | **380 mm (15 in)** |
| Nominal Impedance | **8 Ω** |
| Minimum Impedance | **6 Ω** |
| Nominal Power Handling<br>2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air. | **400 W** |
| Continuous Power Handling<br>Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | **800 W** |
| Sensitivity<br>Applied RMS Voltage is set to 2.83V. | **99 dB** |
| Voice Coil Diameter | **76 mm (3 in)** |
| Winding Material | **Copper** |
| Former Material | **Glass Fibre** |
| Winding Depth | **16.5 mm (0.65 in)** |
| Magnetic Gap Depth | **8 mm (0.31 in)** |
| Flux Density | **1.15 T** |
| Woofer Cone Treatment | **WP Waterproof Front Side** |

## DESIGN

| | |
|---|---|
| Magnet Material | **Neodymium Ring** |
| Woofer Cone Treatment | **WP Waterproof Front Side** |

## MOUNTING AND SHIPPING INFO

| | |
|---|---|
| Overall Diameter | **393 mm (15.5 in)** |
| Bolt Circle Diameter | **374 mm (14.7 in)** |
| Baffle Cutout Diameter | **354 mm (13.94 in)** |
| Depth | **200 mm (7.87 in)** |
| Flange and Gasket Thickness | **16 mm (0.62 in)** |
| Net Weight | **6 kg (13.23 lb)** |
| Shipping Units | **1 pcs** |
| Shipping Weight | **7.6 kg (16.76 lb)** |
| Shipping Box | **500x495x275 mm (19.69x19.49x10.83 in)** |

## SERVICE KITS

| | |
|---|---|
| HF replacement-diaphragm | **MMD3BTN8M** |
| LF recone-kits | **RCK15HCX768** |



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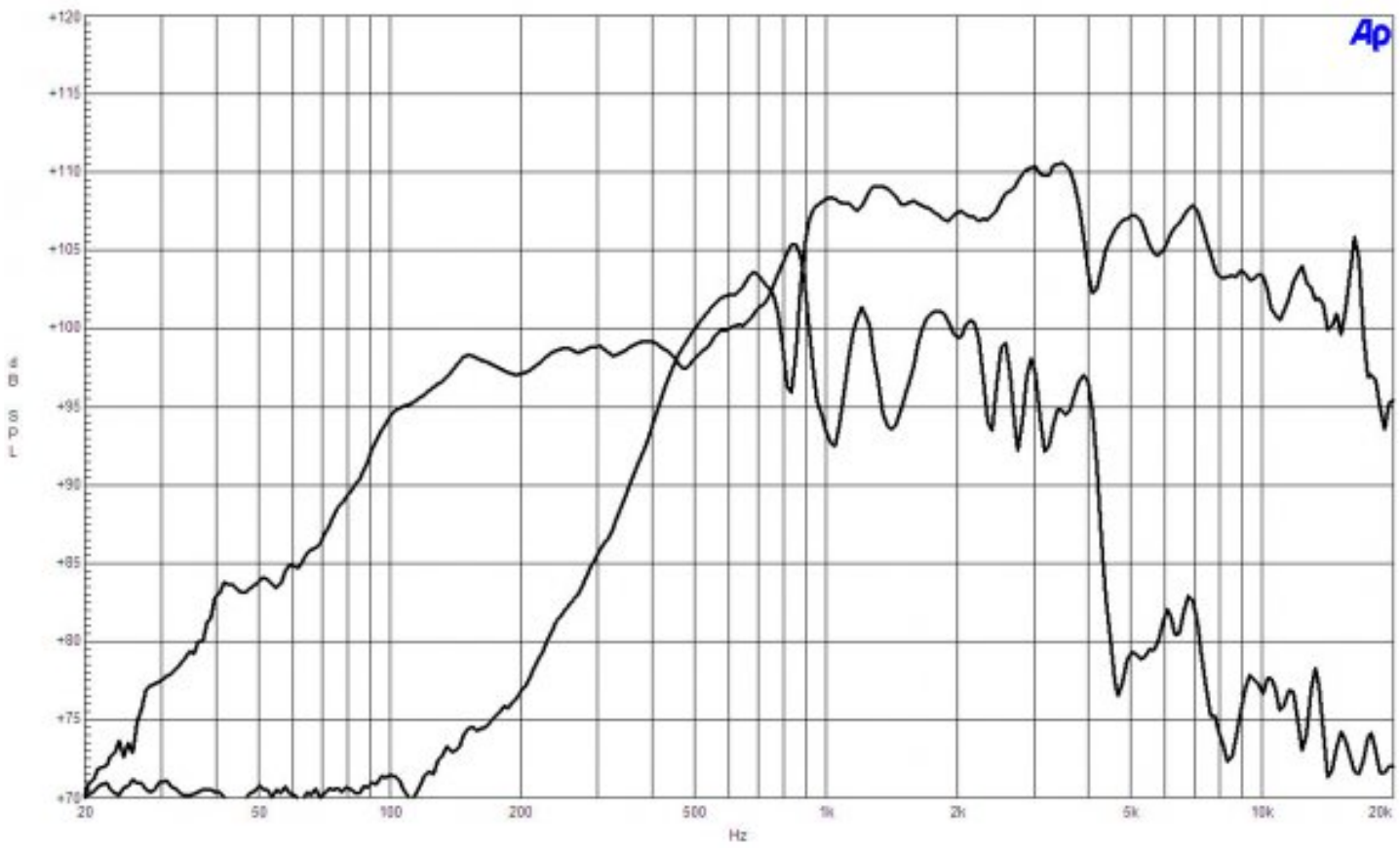
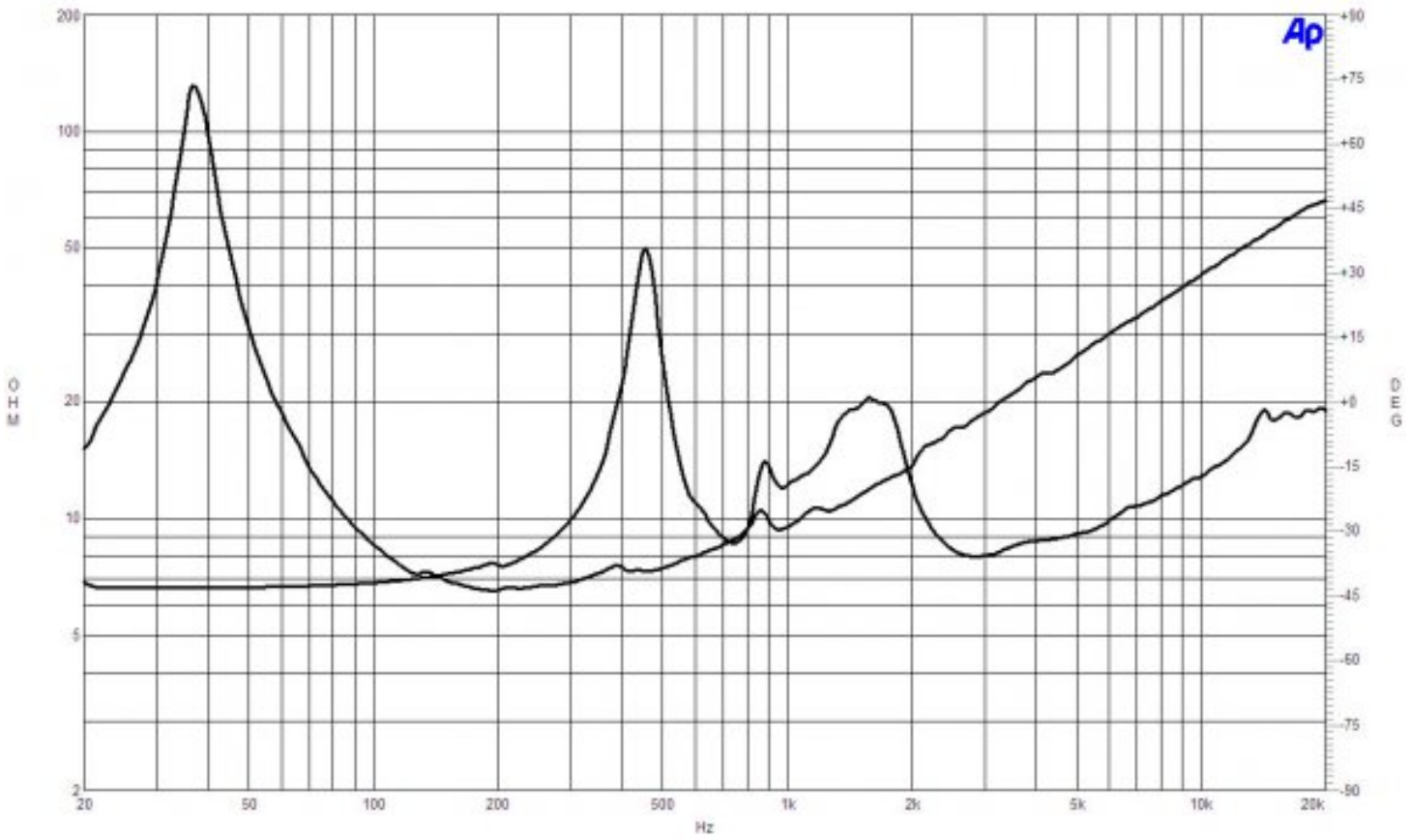
## 15HCX76 8 Ω


dB SPL
Hz
20
50
100
200
500
1k
2k
5k
10k
20k


OHM
DEG
Hz
20
50
100
200
500
1k
2k
5k
10k
20k

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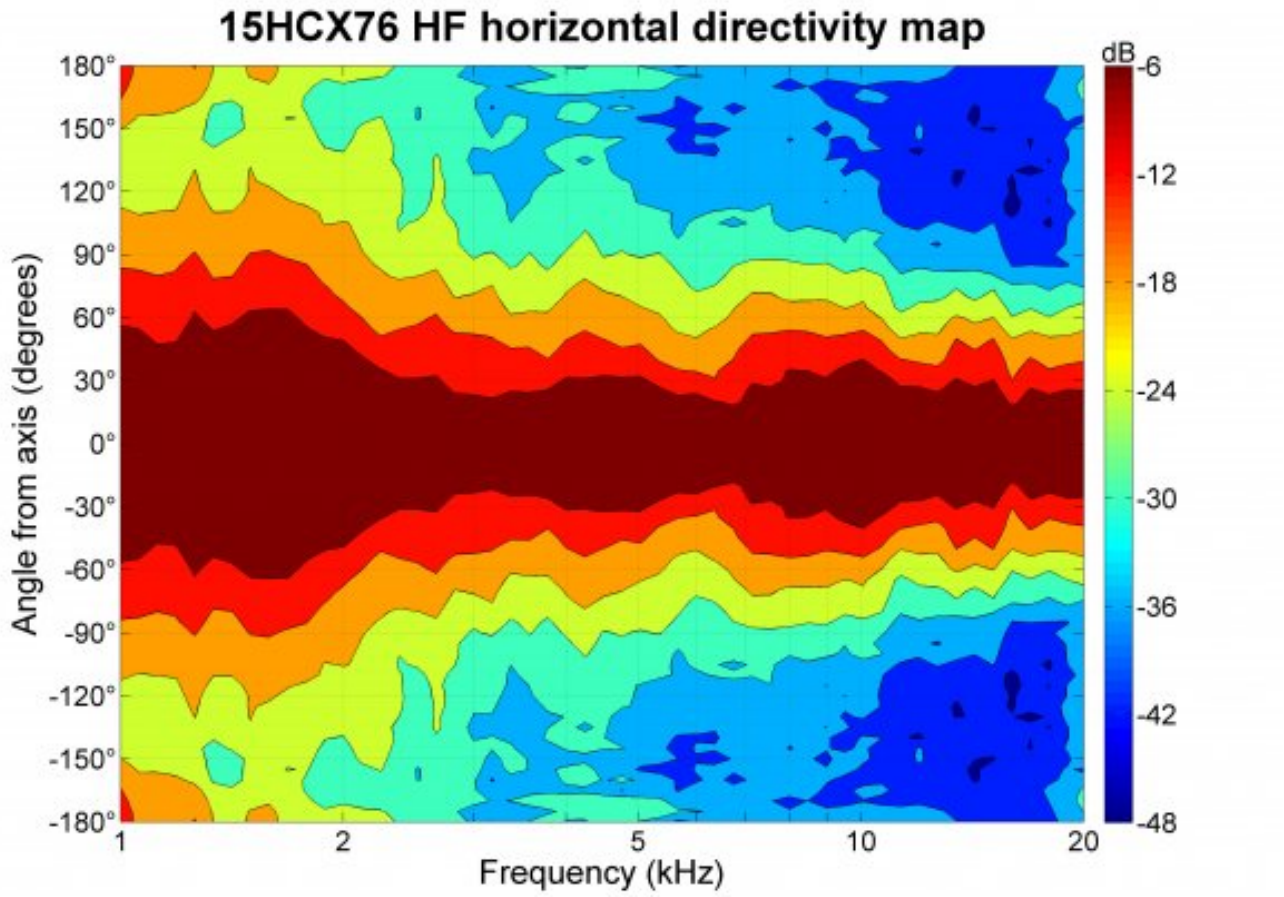


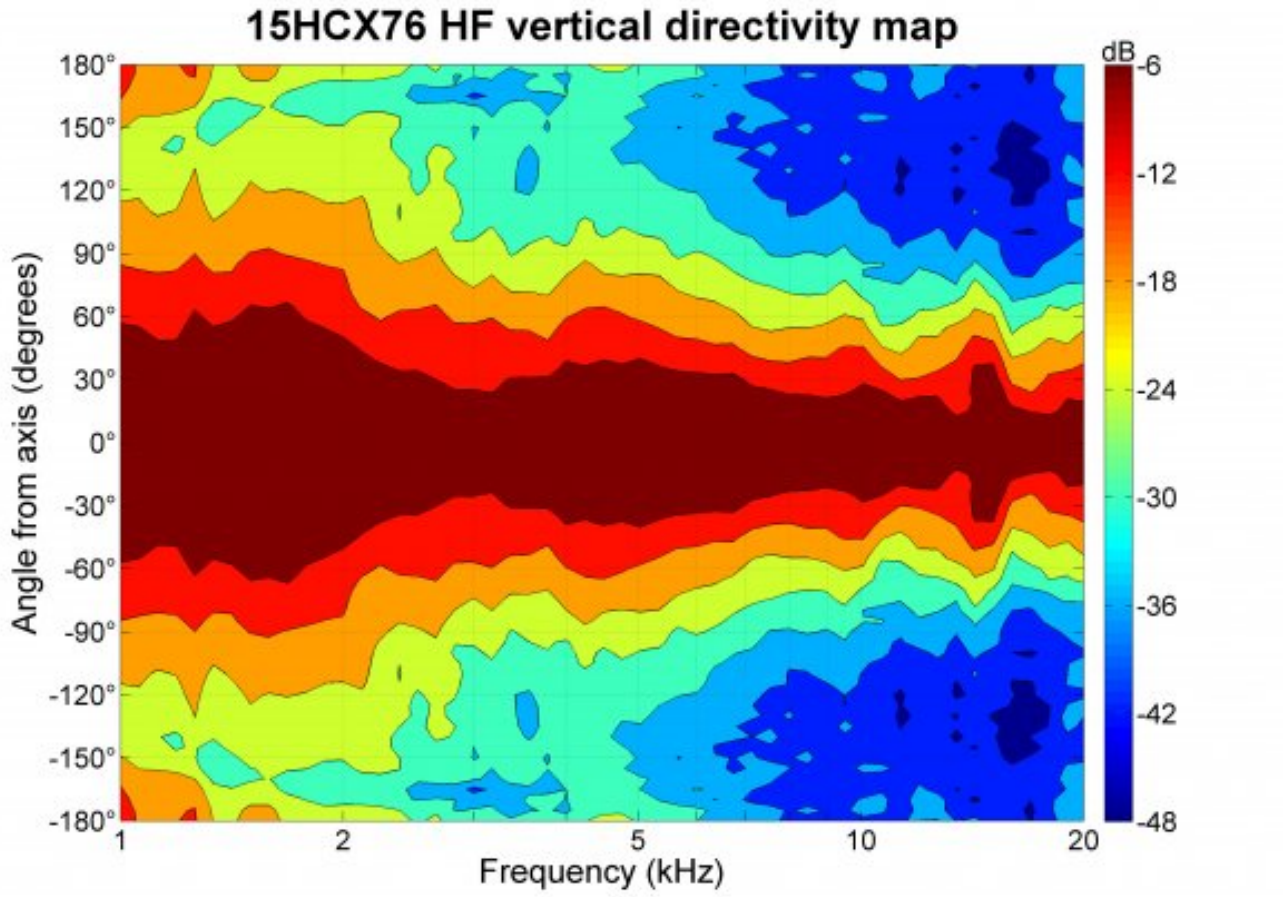



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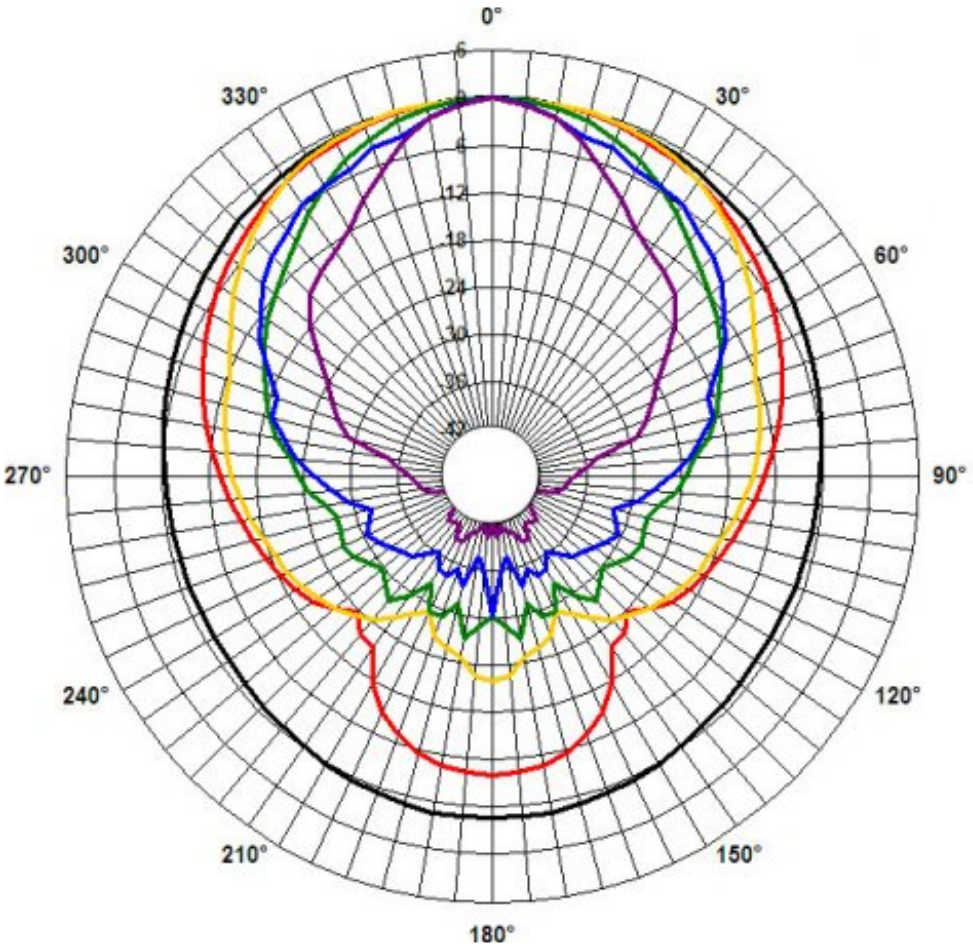
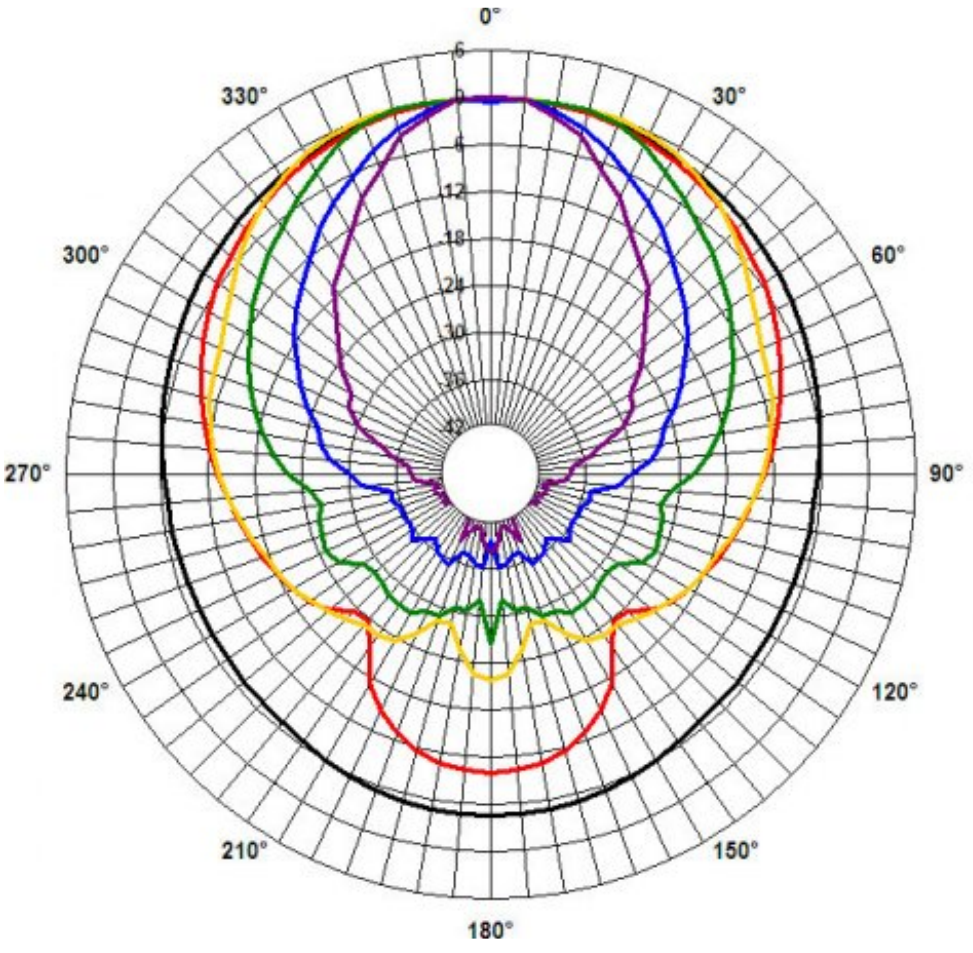

0°
30°
60°
90°
120°
150°
180°
210°
240°
270°
300°
330°
6
0
6
12
18
24
30
36
42
15HCX76
horizontal
500 Hz
1 kHz
2 kHz
4 kHz
8 kHz
16 kHz


0°
30°
60°
90°
120°
150°
180°
210°
240°
270°
300°
330°
6
0
6
12
18
24
30
36
42
15HCX76
vertical
500 Hz
1 kHz
2 kHz
4 kHz
8 kHz
16 kHz

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