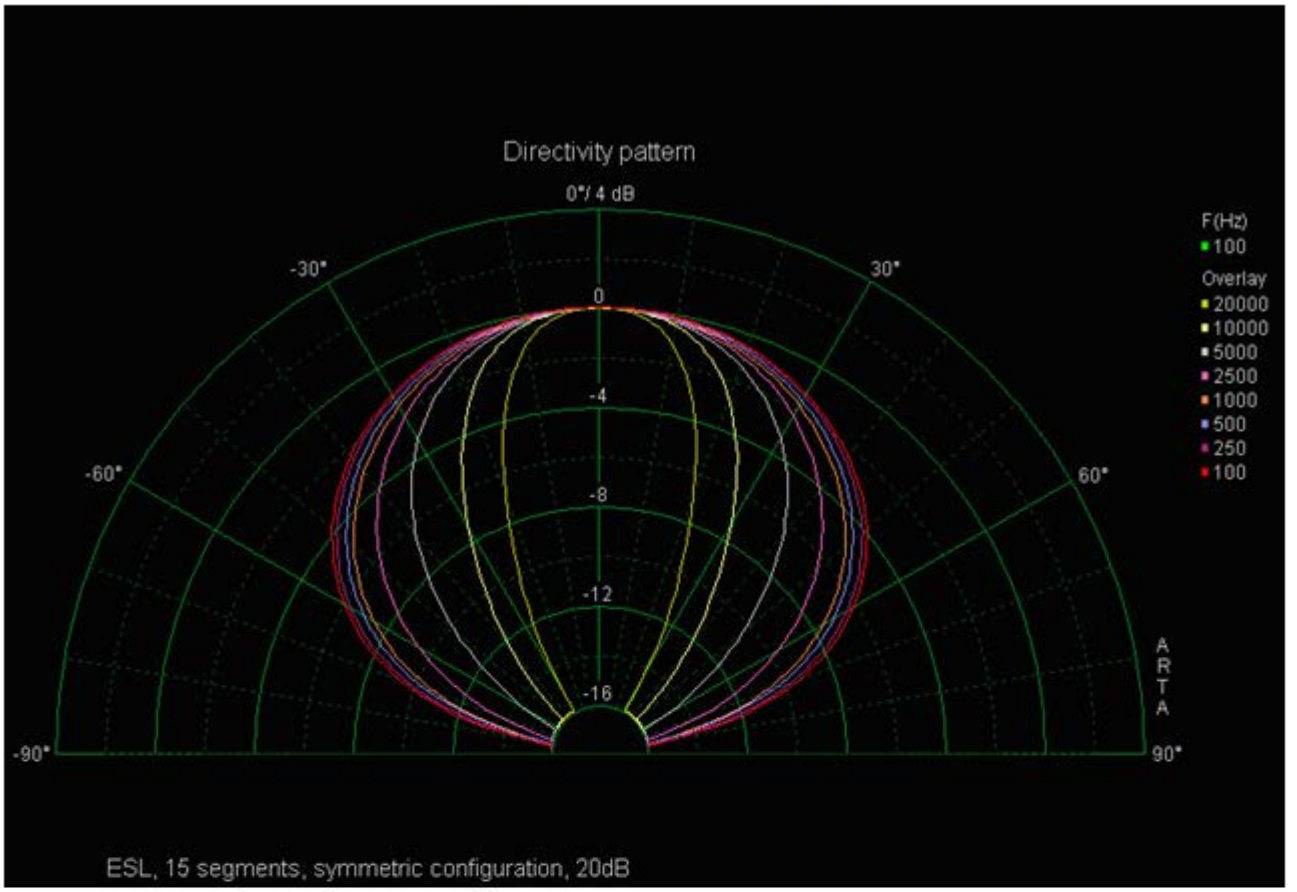
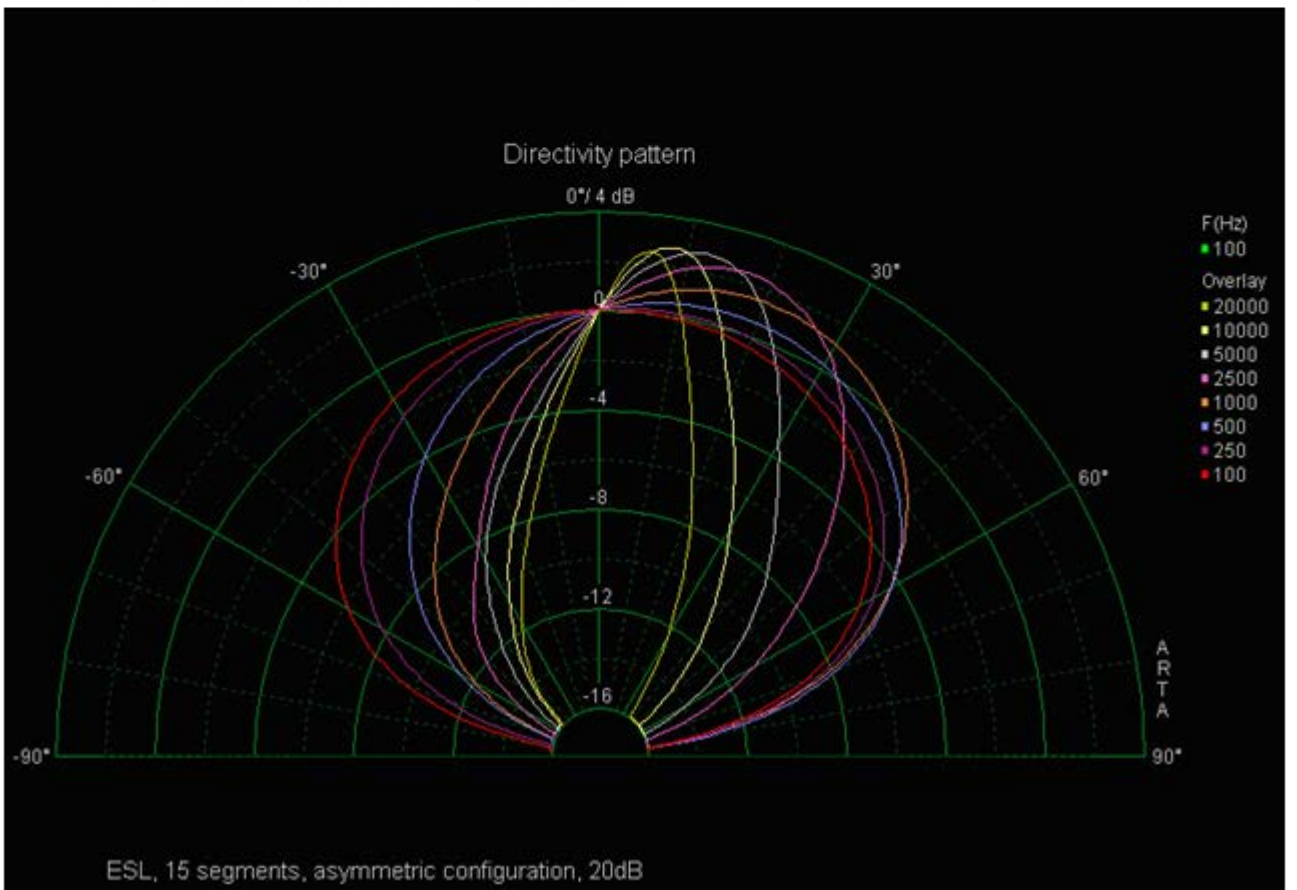
ESL: 15 x 0.75” segments, Symmetric .vs. Asymmetric Configuration

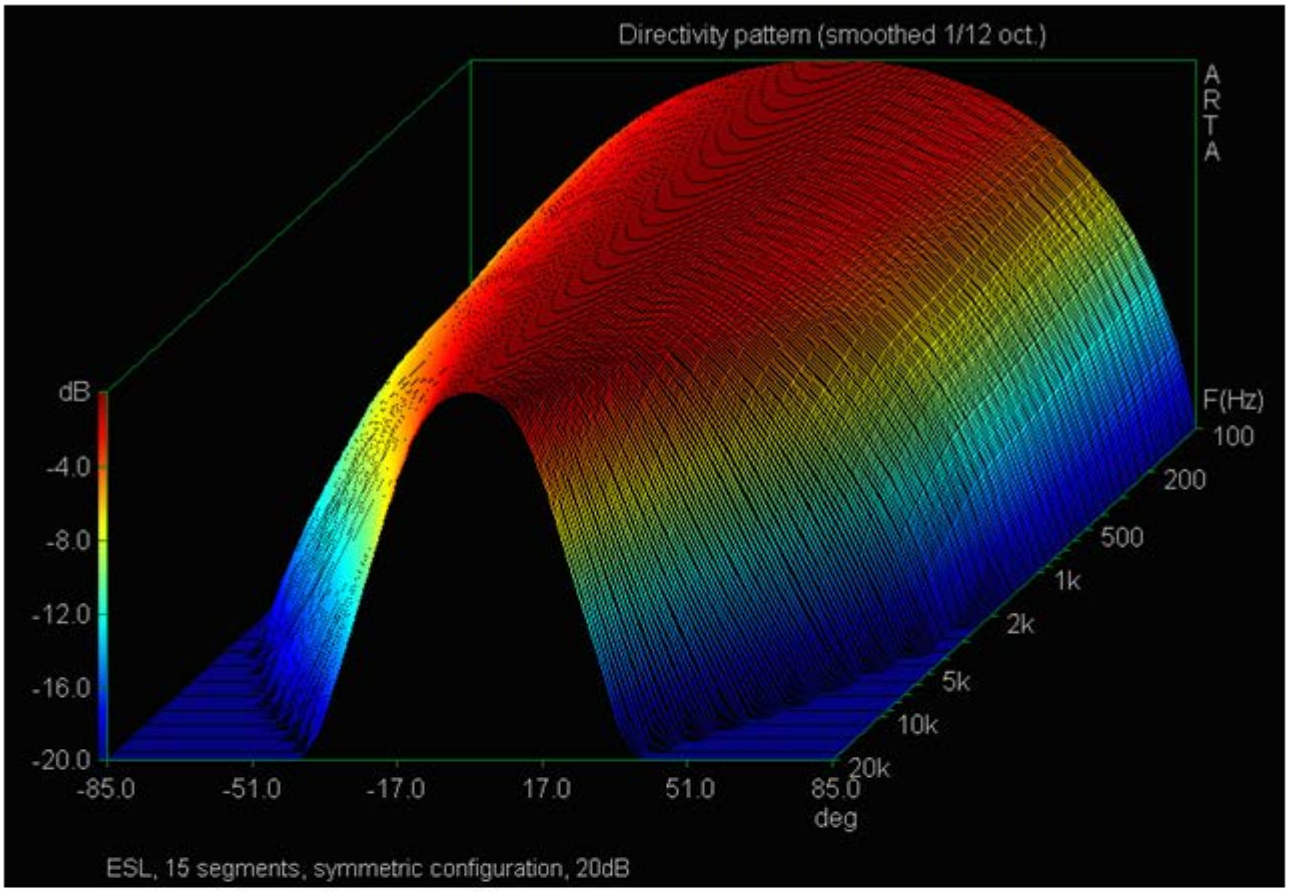


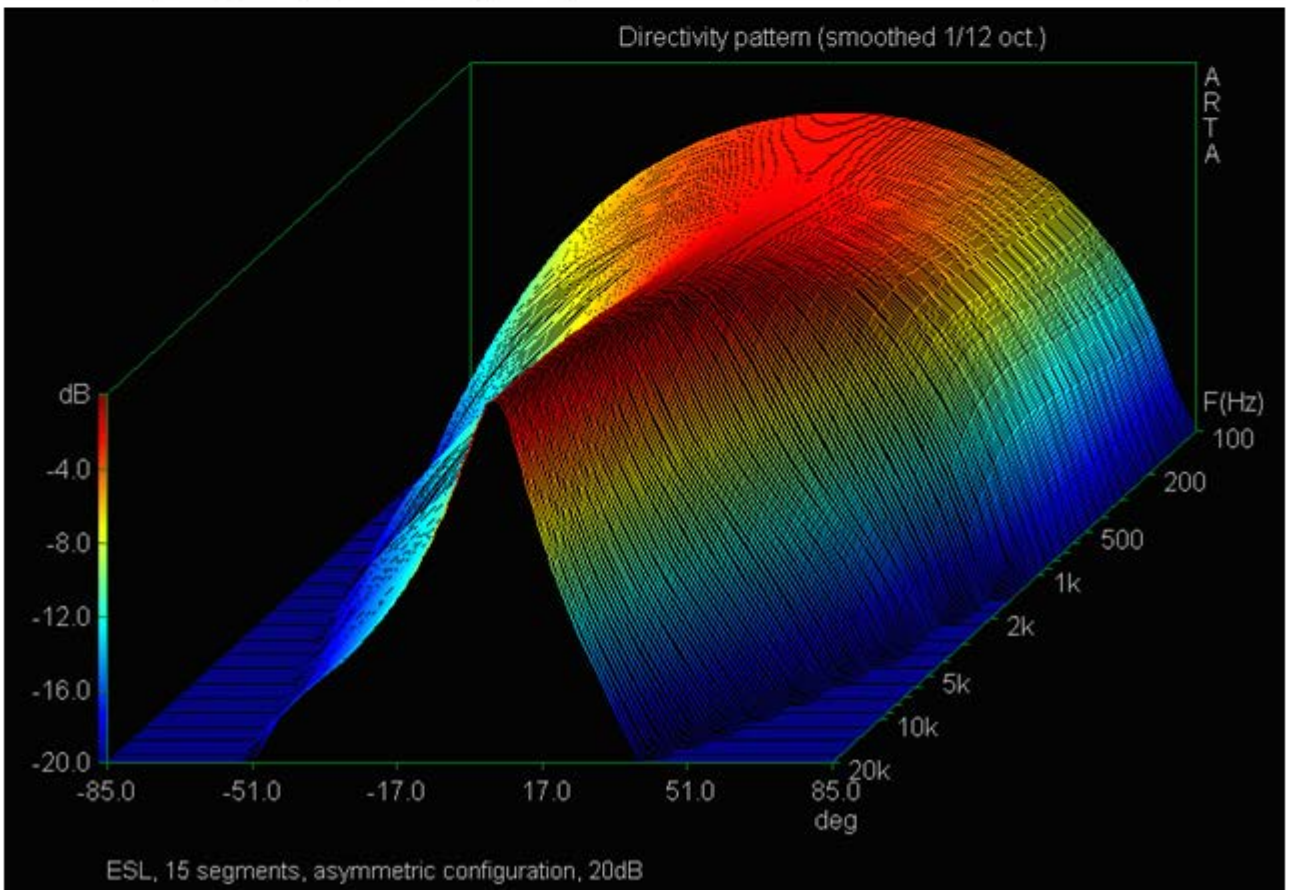
ESL, 15 segments, symmetric configuration, 20dB



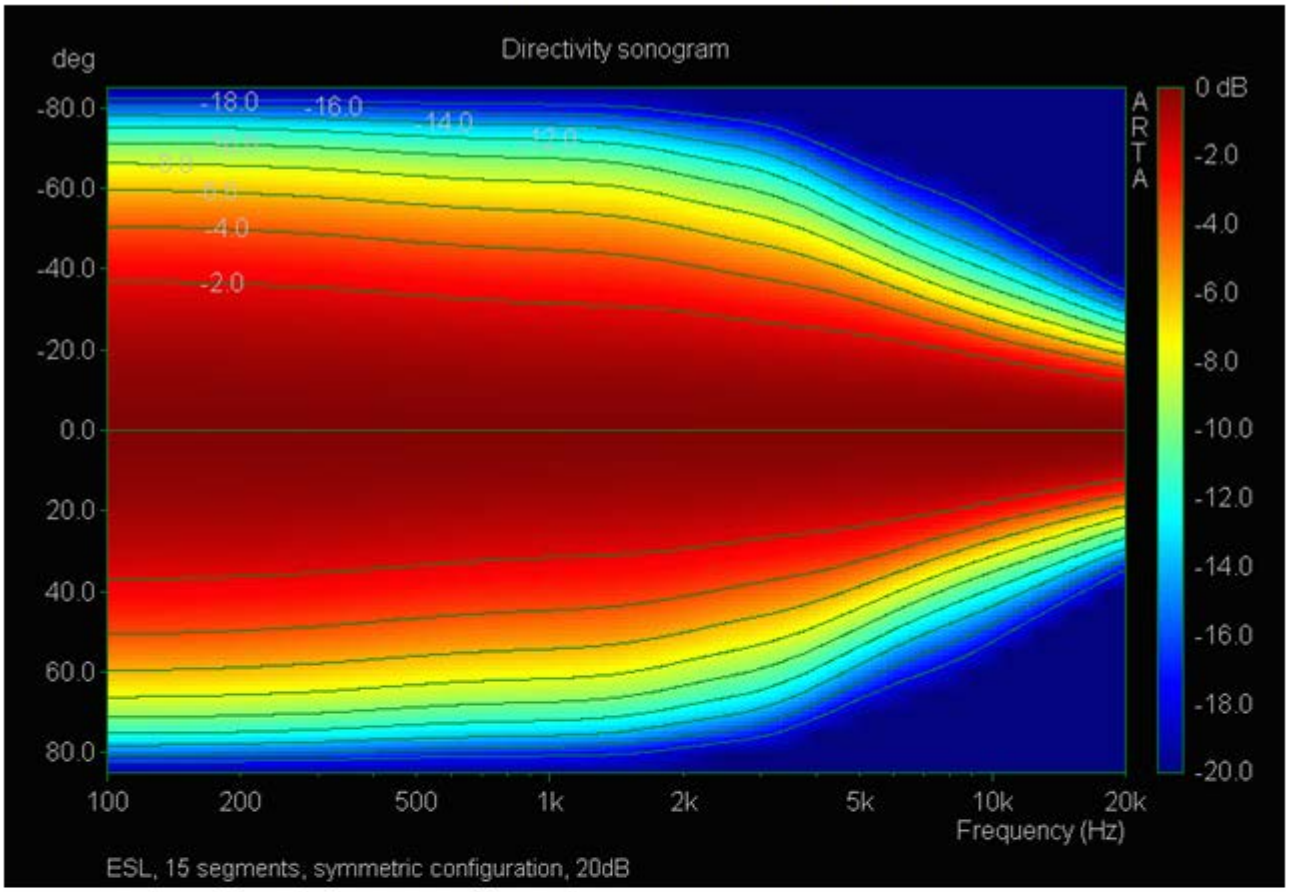
ESL, 15 segments, asymmetric configuration, 20dB

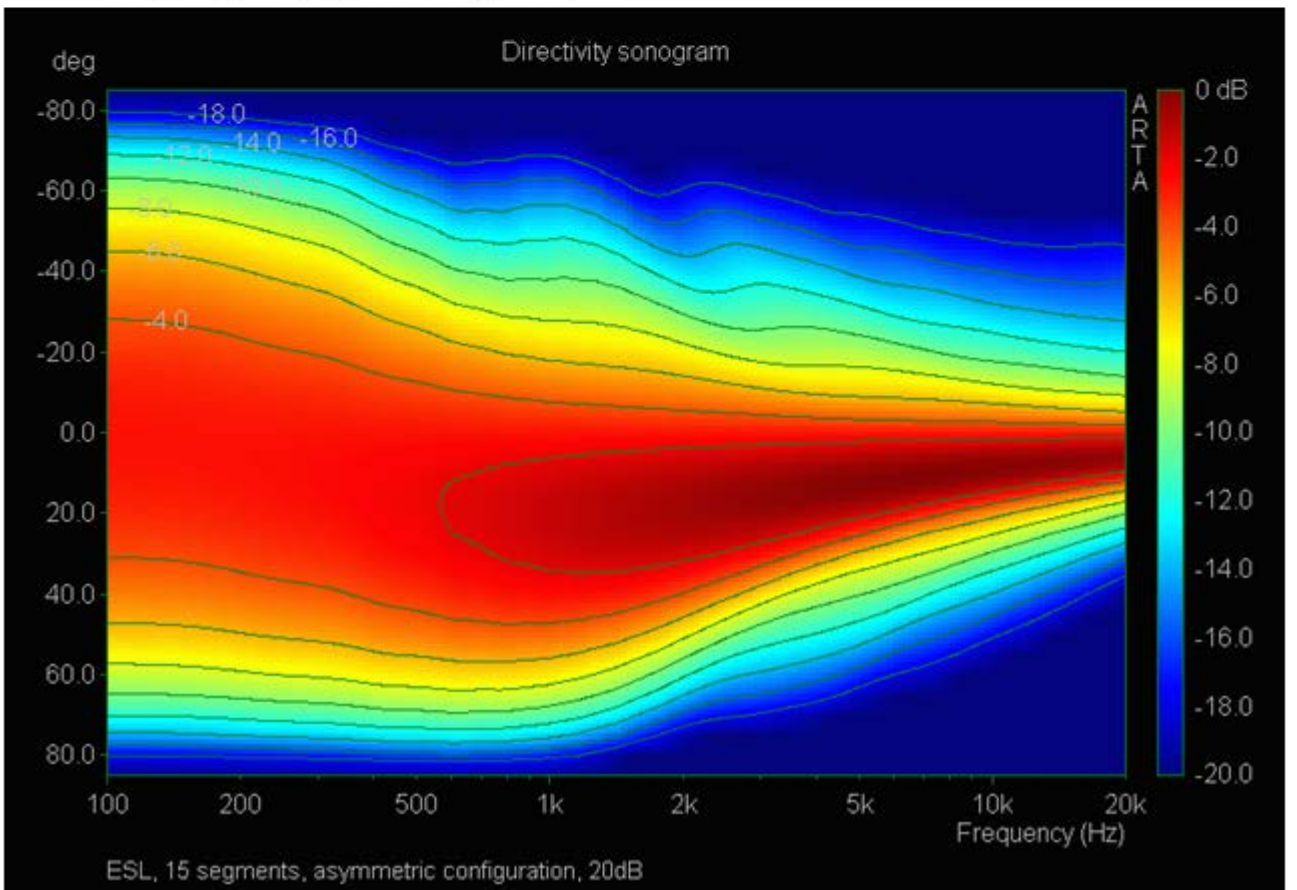
ESL: 15 x 0.75” segments, Symmetric .vs. Asymmetric Configuration

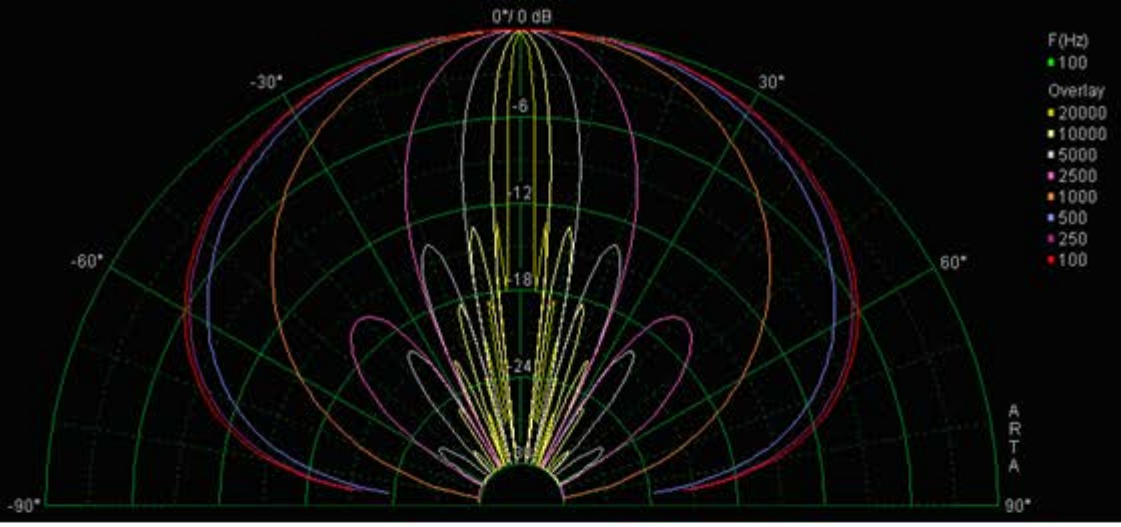


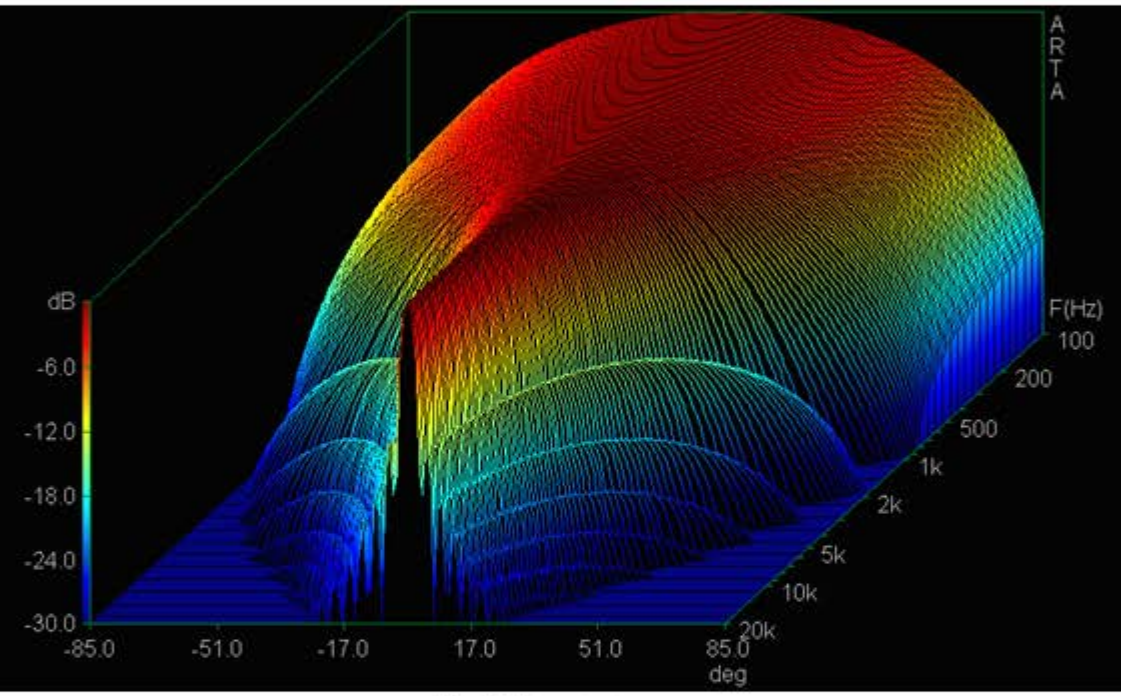


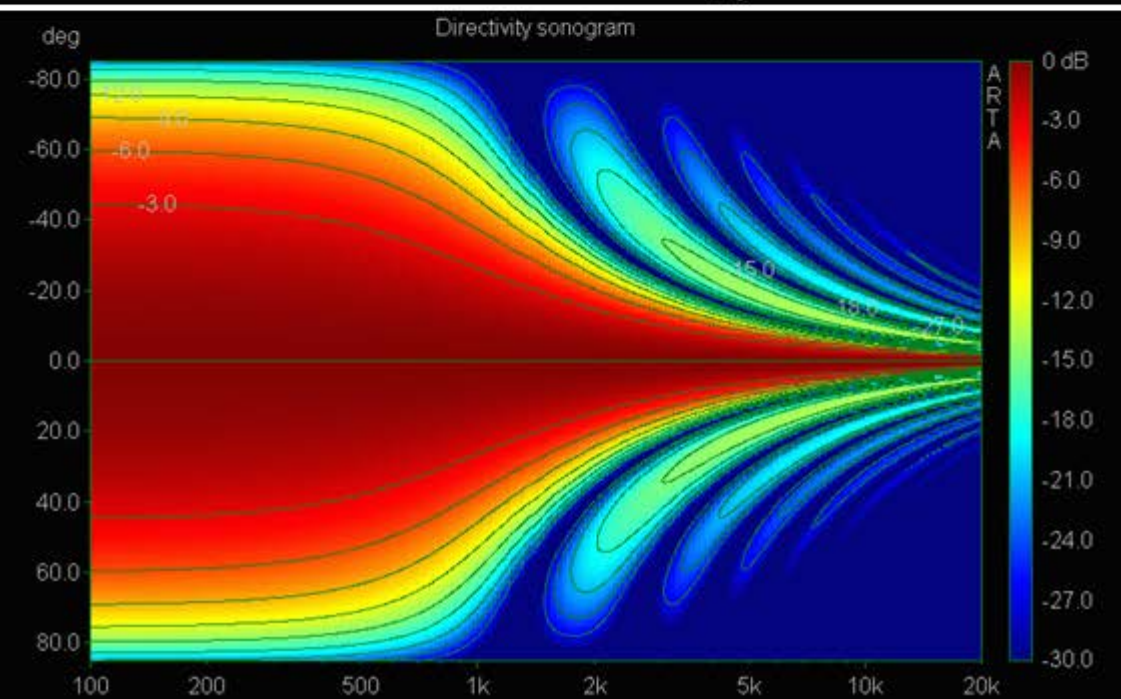
ESL: 15 x 0.75” segments, Symmetric .vs. Asymmetric Configuration

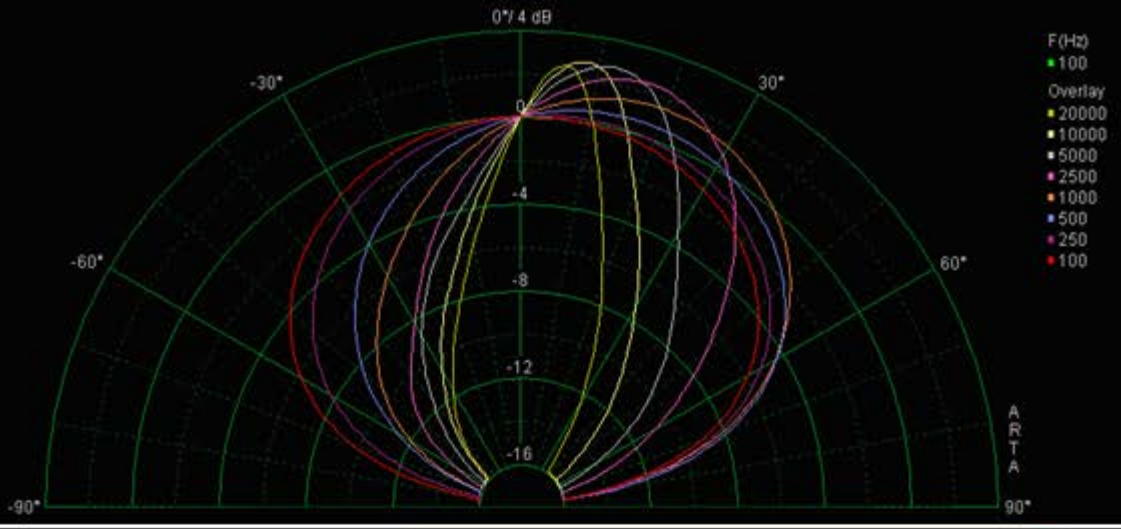


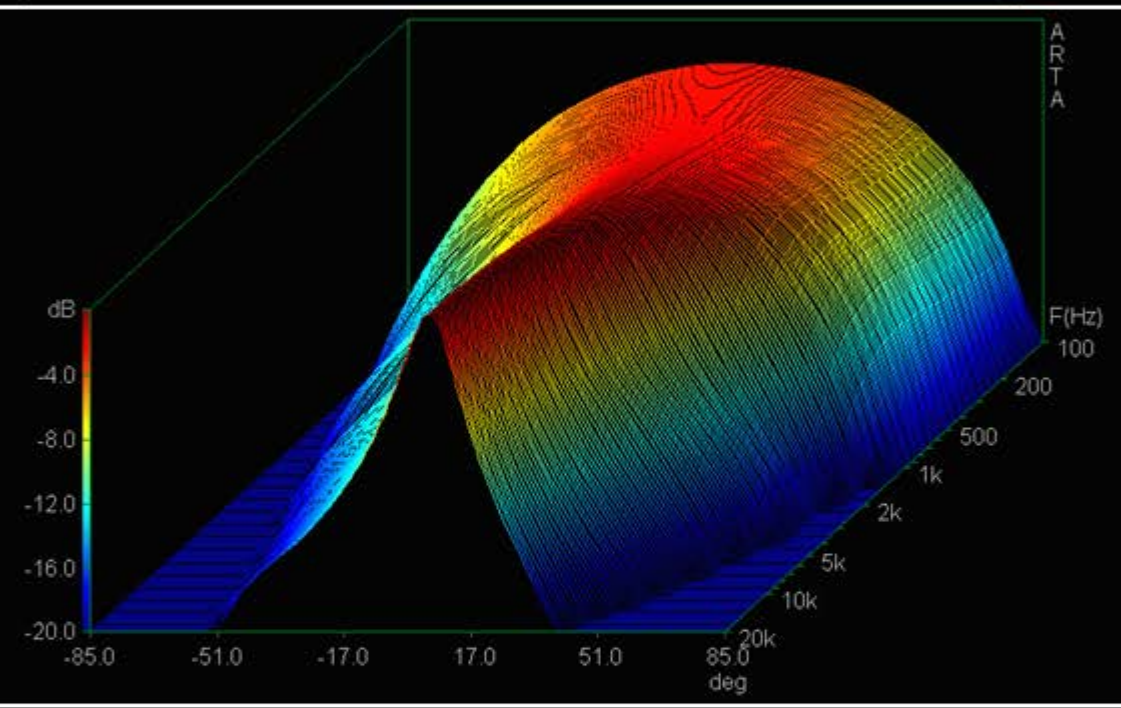


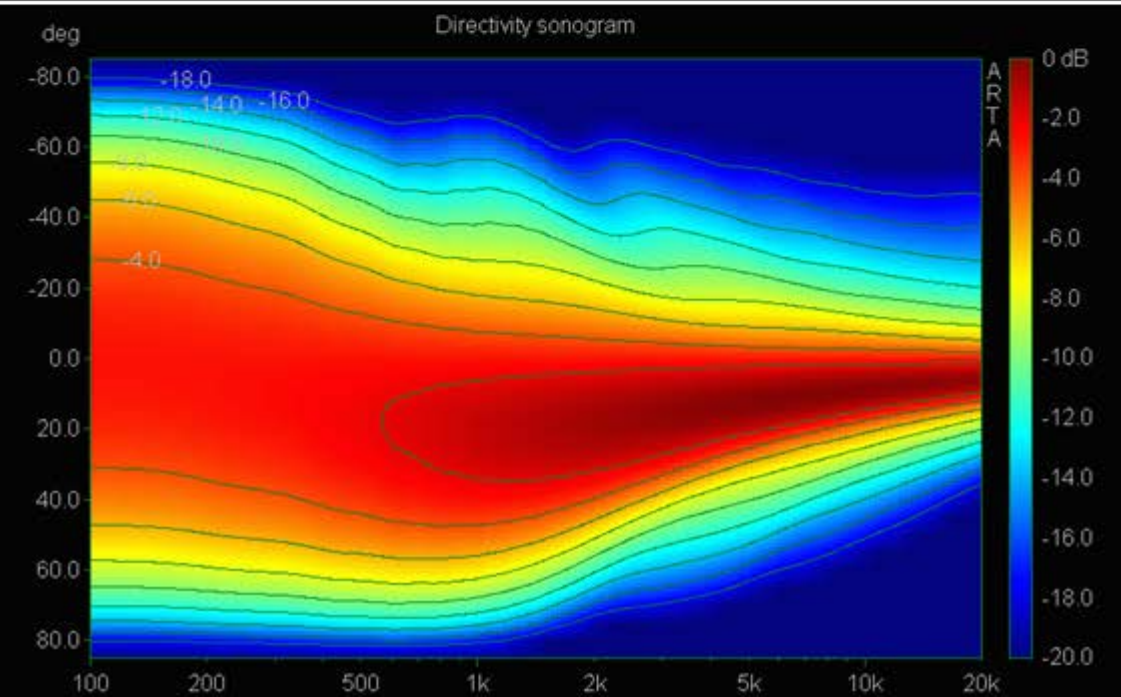

0°/ 0 dB
-30°
30°
-60°
60°
-90°
90°
-6
-12
-18
-24
F(Hz)
100
Overlay
20000
10000
5000
2500
1000
500
250
100
ARTA

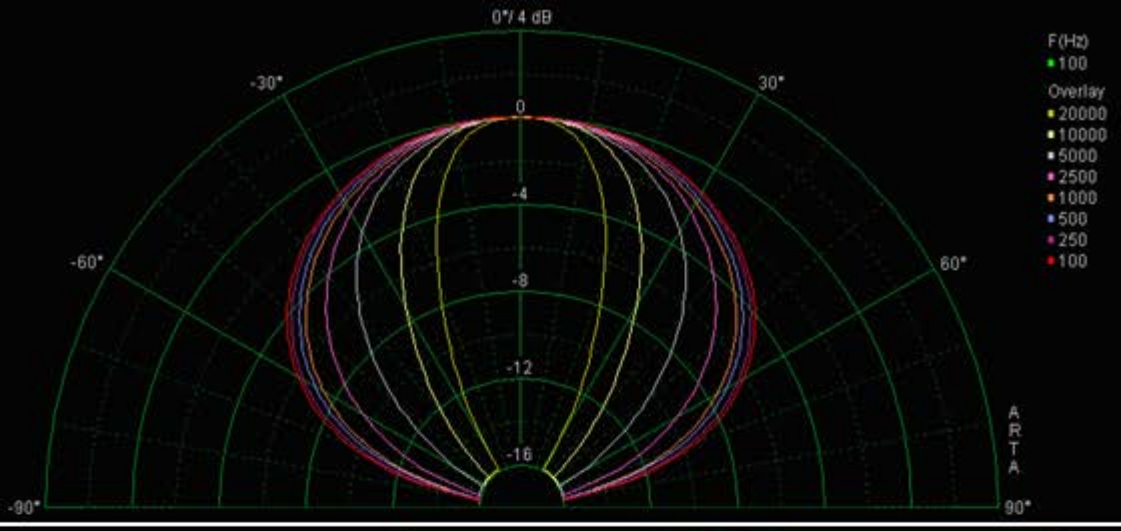

ARTA
dB
-6.0
-12.0
-18.0
-24.0
-30.0
F(Hz)
100
200
500
1k
2k
5k
10k
20k
-85.0
-51.0
-17.0
17.0
51.0
85.0
deg

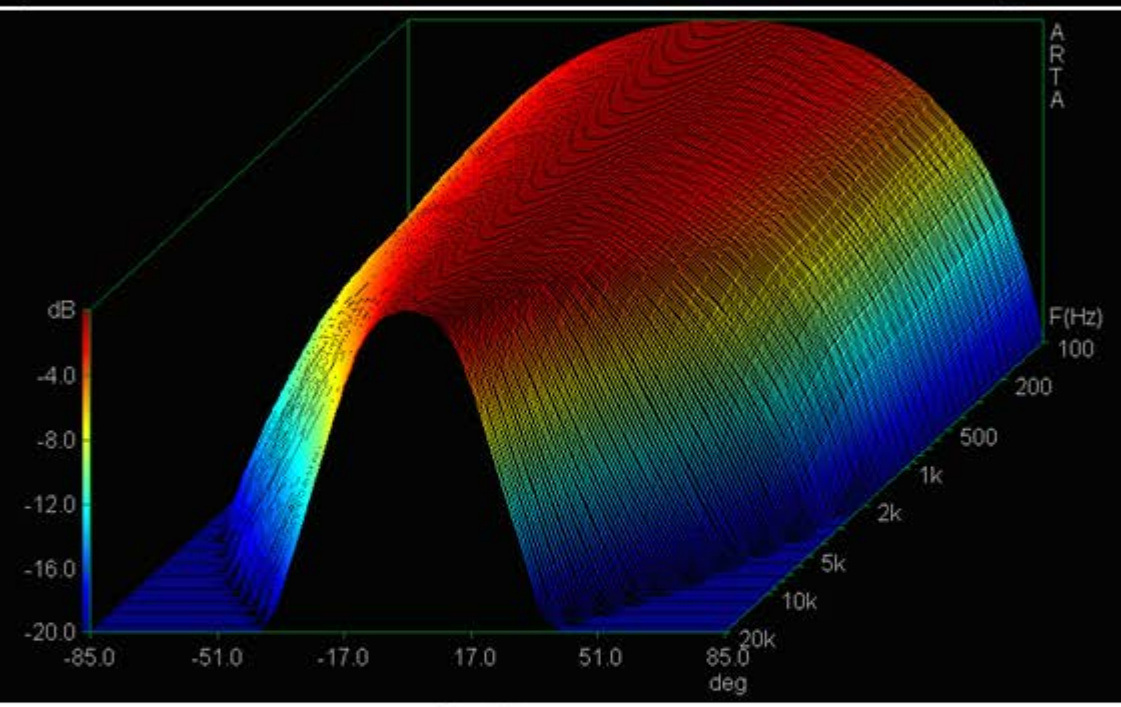

Directivity sonogram
deg
-80.0
-60.0
-40.0
-20.0
0.0
20.0
40.0
60.0
80.0
-6.0
-3.0
-15.0
-27.0
ARTA
0 dB
-3.0
-6.0
-9.0
-12.0
-15.0
-18.0
-21.0
-24.0
-27.0
-30.0
100
200
500
1k
2k
5k
10k
20k

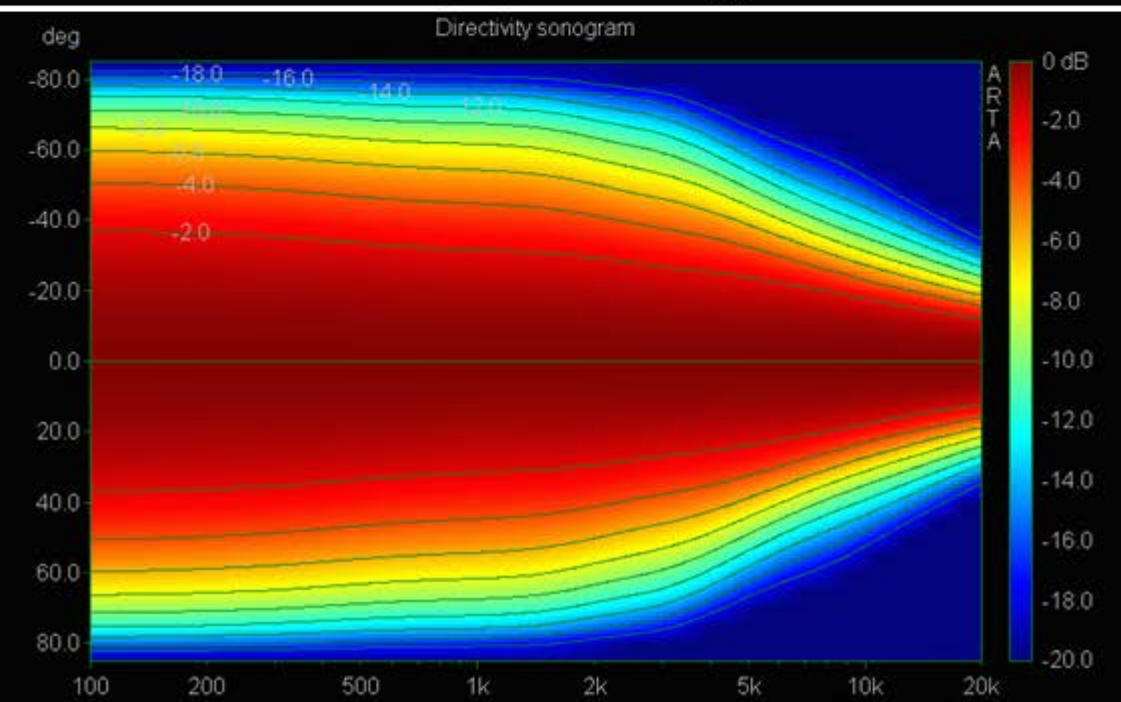

0°/ 4 dB
-30°
30°
0
-4
-8
-12
-16
-60°
60°
-90°
90°
F(Hz)
100
Overlay
20000
10000
5000
2500
1000
500
250
100
ARTA


ARTA
dB
-4.0
-8.0
-12.0
-16.0
-20.0
F(Hz)
100
200
500
1k
2k
5k
10k
20k
-85.0
-51.0
-17.0
17.0
51.0
85.0
deg


Directivity sonogram
deg
-80.0
-60.0
-40.0
-20.0
0.0
20.0
40.0
60.0
80.0
-18.0
-14.0
-16.0
-4.0
ARTA
0 dB
-2.0
-4.0
-6.0
-8.0
-10.0
-12.0
-14.0
-16.0
-18.0
-20.0
100
200
500
1k
2k
5k
10k
20k


0°/ 4 dB
-30°
30°
0
-4
-8
-12
-16
-60°
60°
-90°
90°
F(Hz)
100
Overlay
20000
10000
5000
2500
1000
500
250
100
ARTA


ARTA
dB
-4.0
-8.0
-12.0
-16.0
-20.0
-85.0
-51.0
-17.0
17.0
51.0
85.0
deg
F(Hz)
100
200
500
1k
2k
5k
10k
20k


Directivity sonogram
deg
-80.0
-60.0
-40.0
-20.0
0.0
20.0
40.0
60.0
80.0
-18.0
-16.0
-14.0
-4.0
-2.0
ARTA
0 dB
-2.0
-4.0
-6.0
-8.0
-10.0
-12.0
-14.0
-16.0
-18.0
-20.0
100
200
500
1k
2k
5k
10k
20k