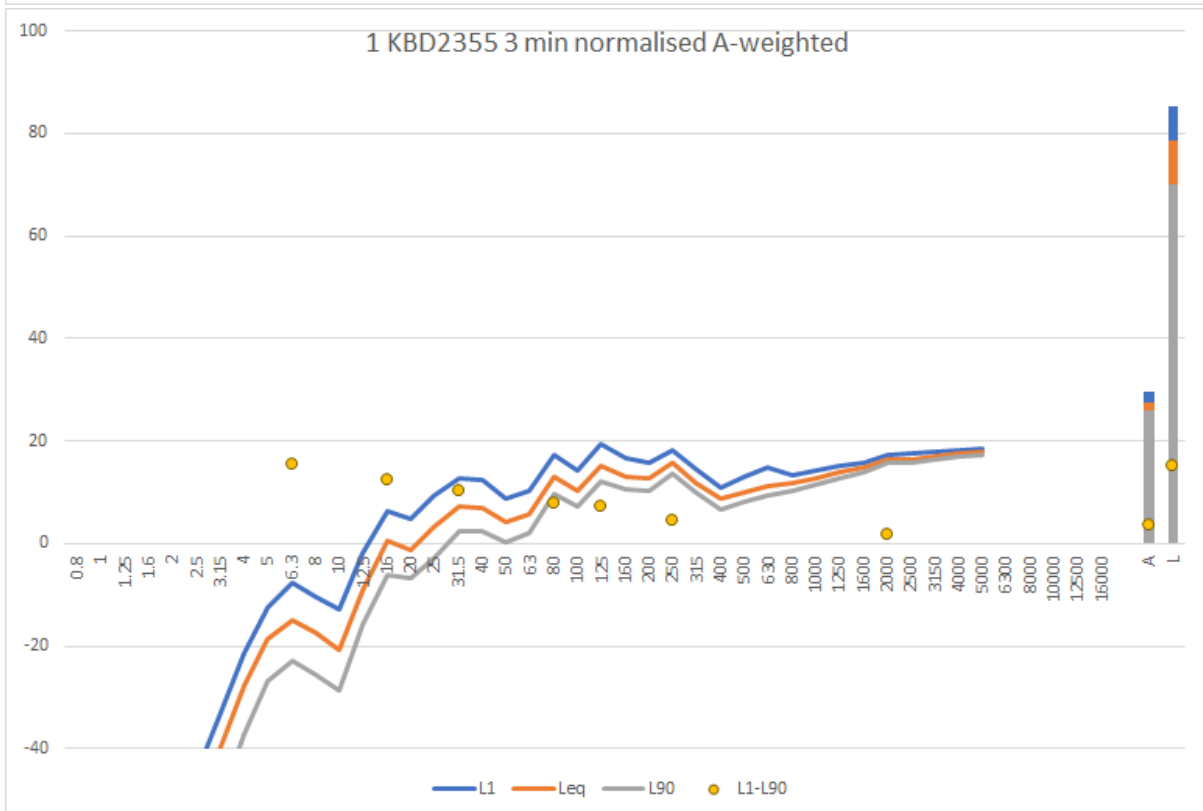
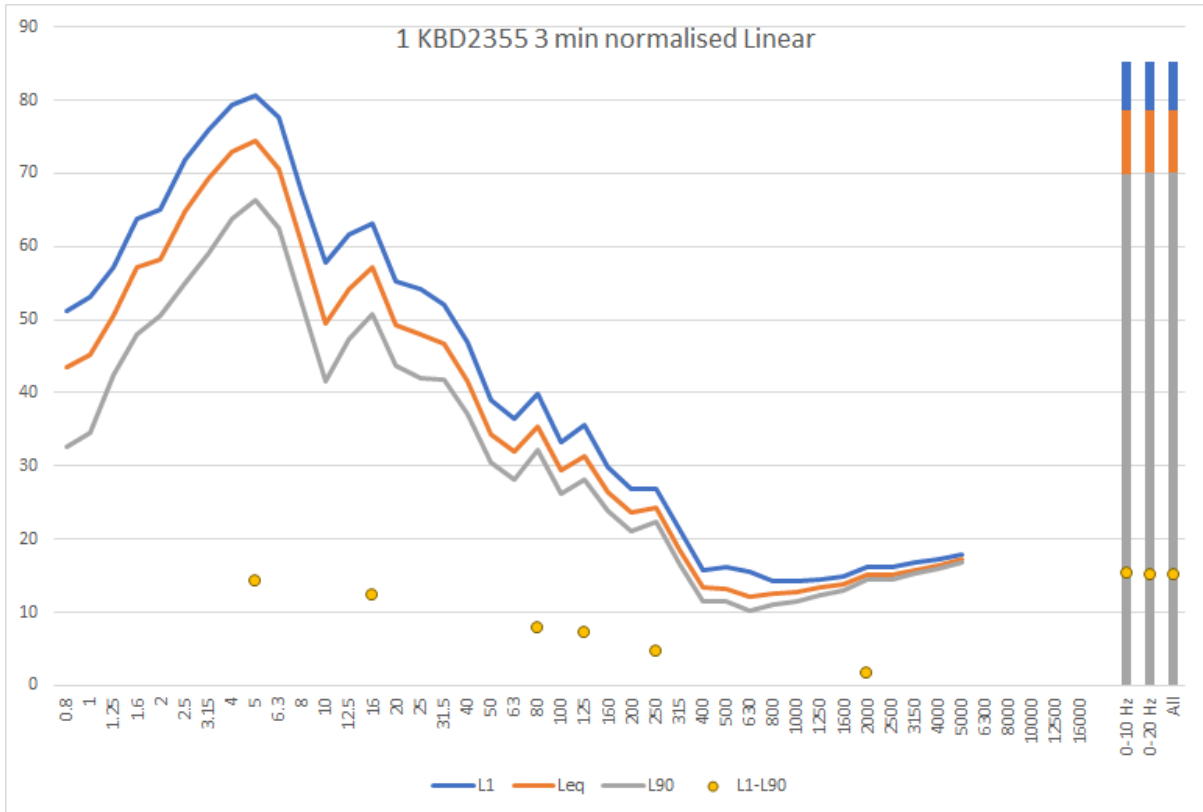
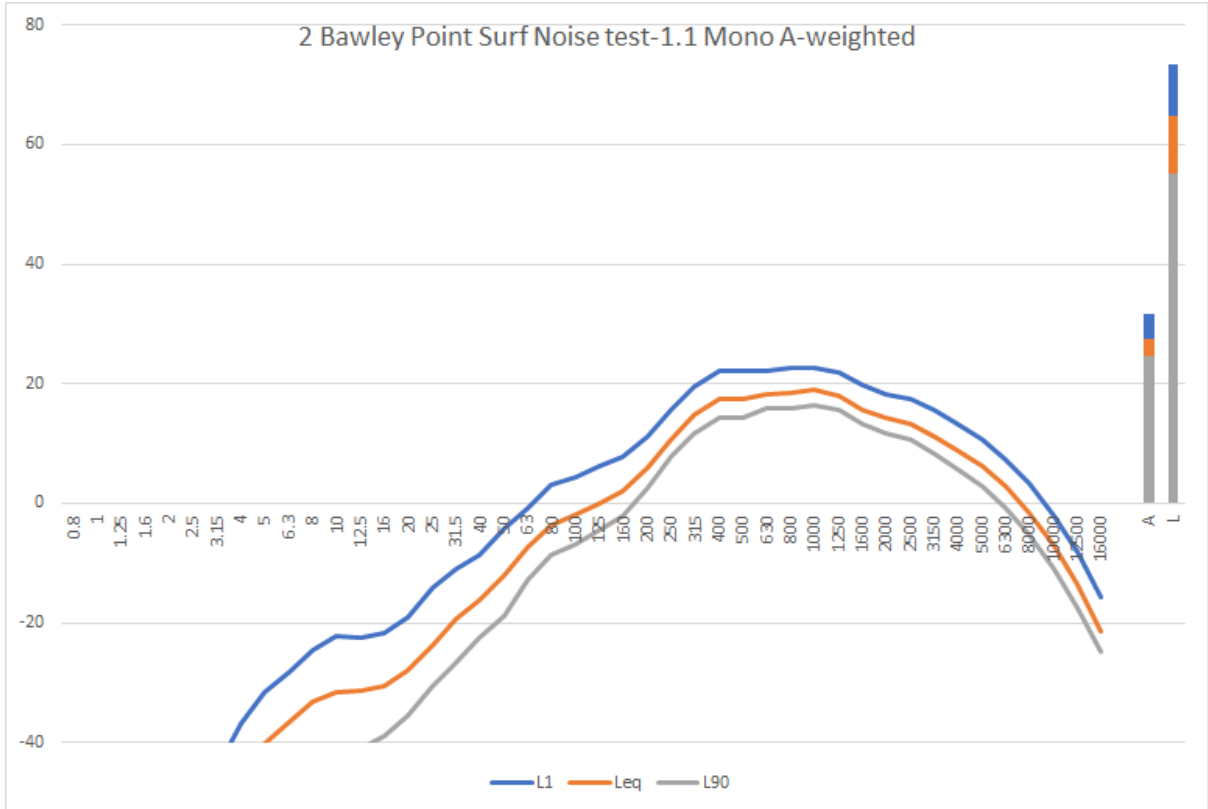
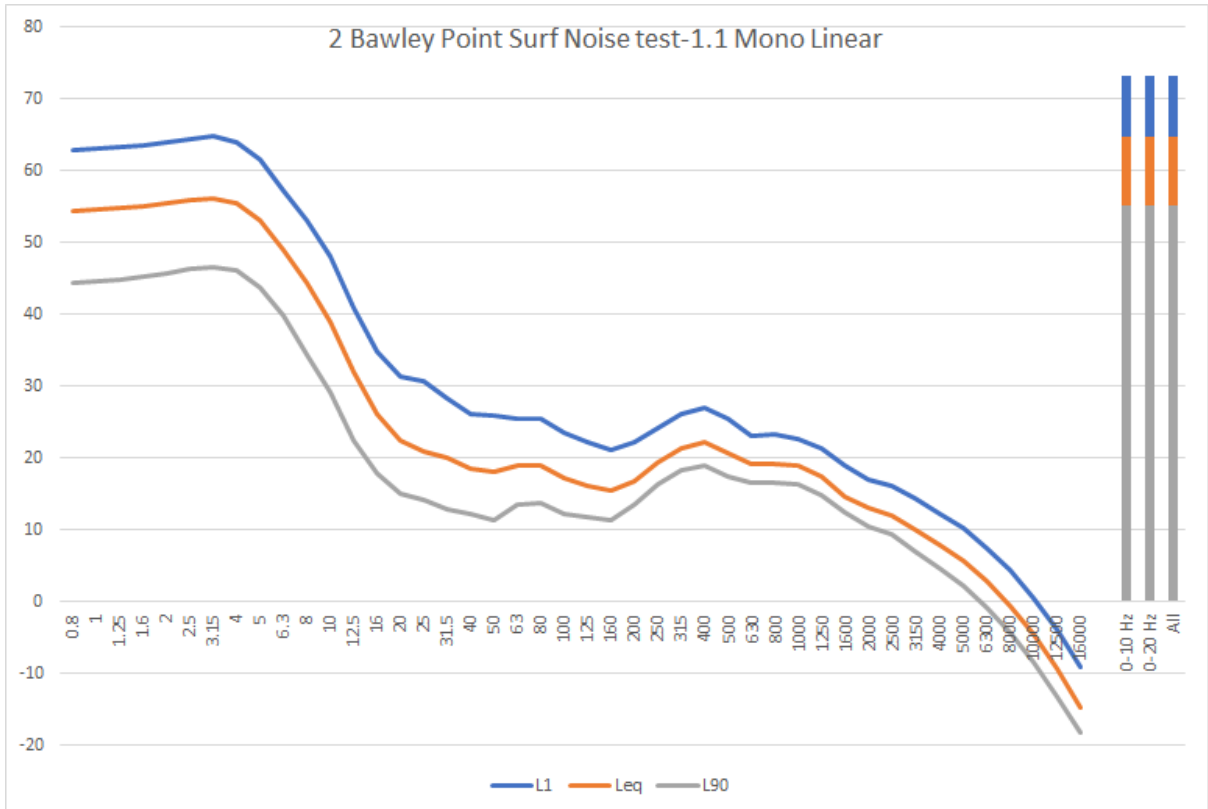
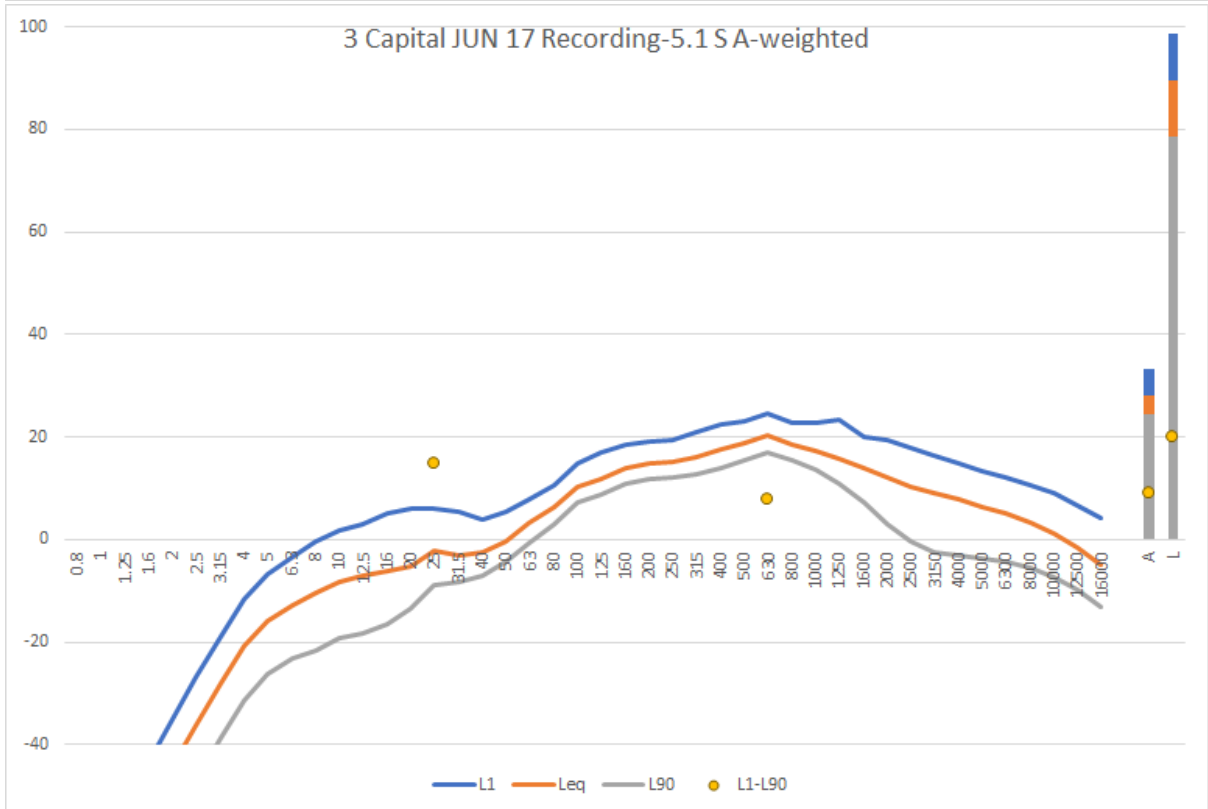
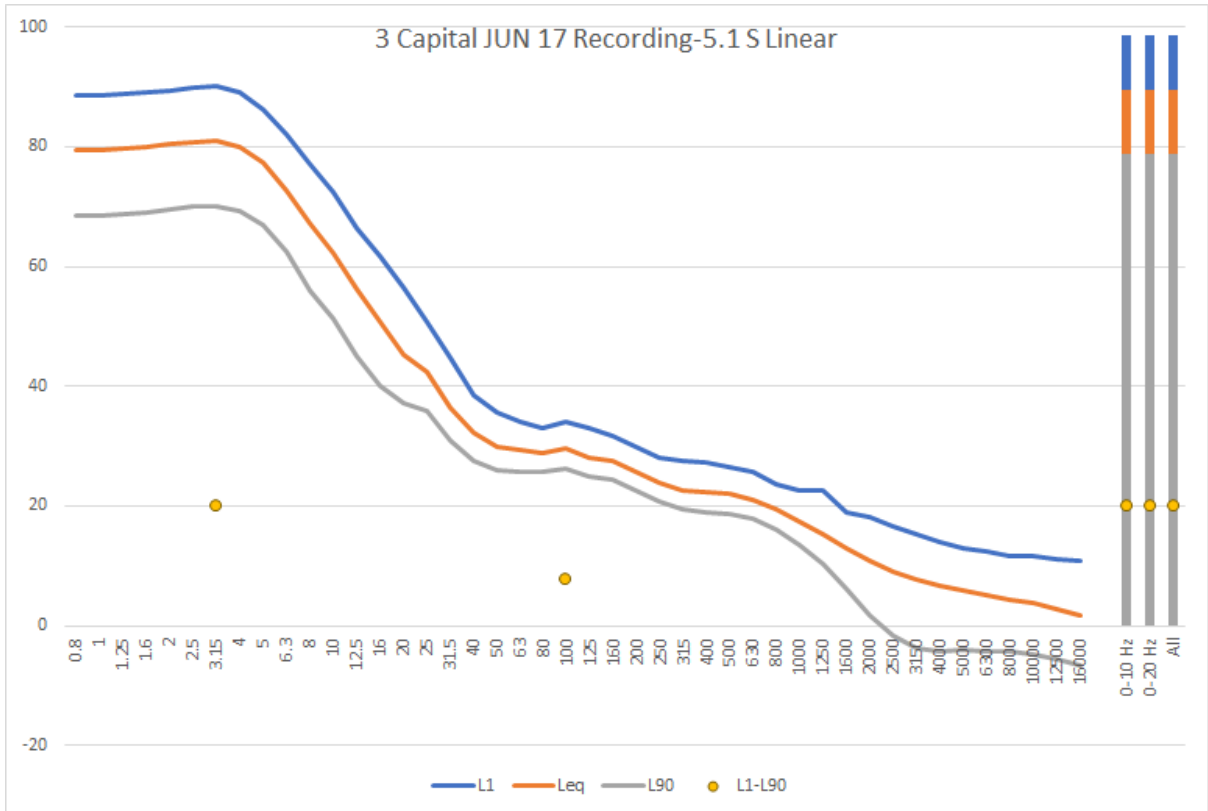
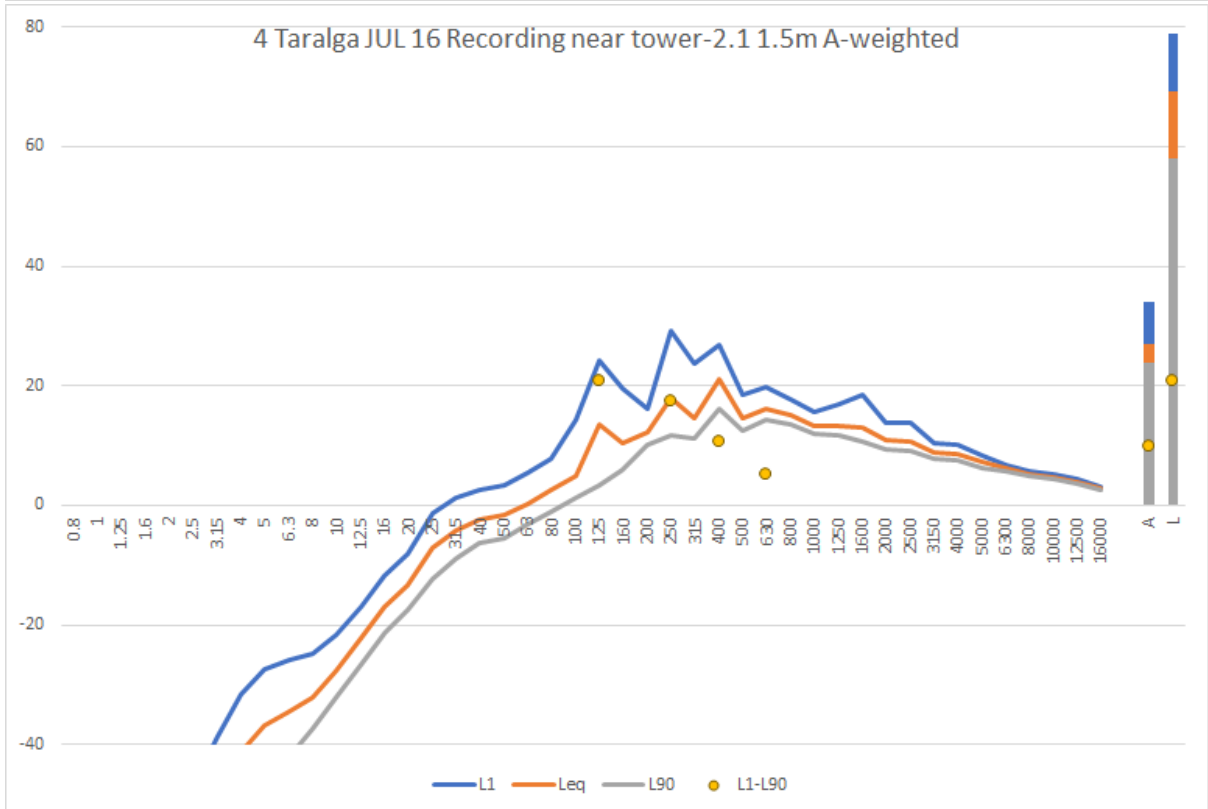
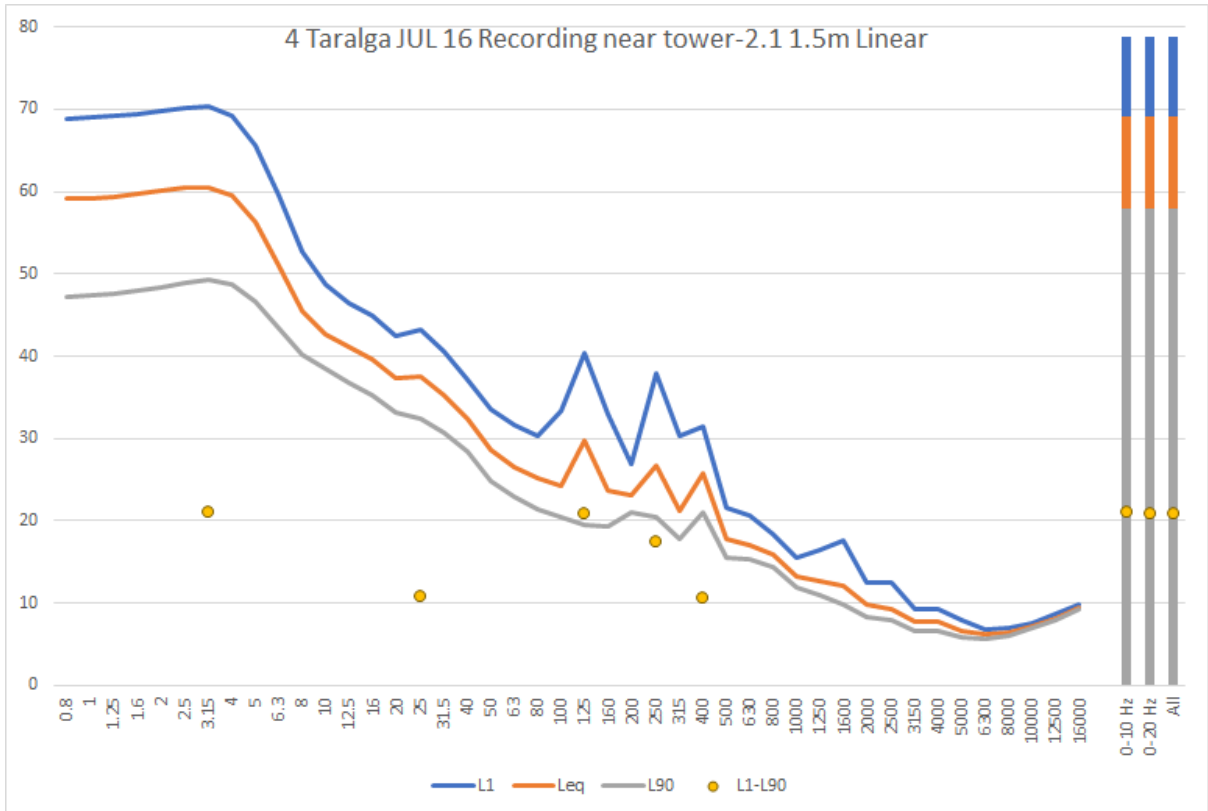


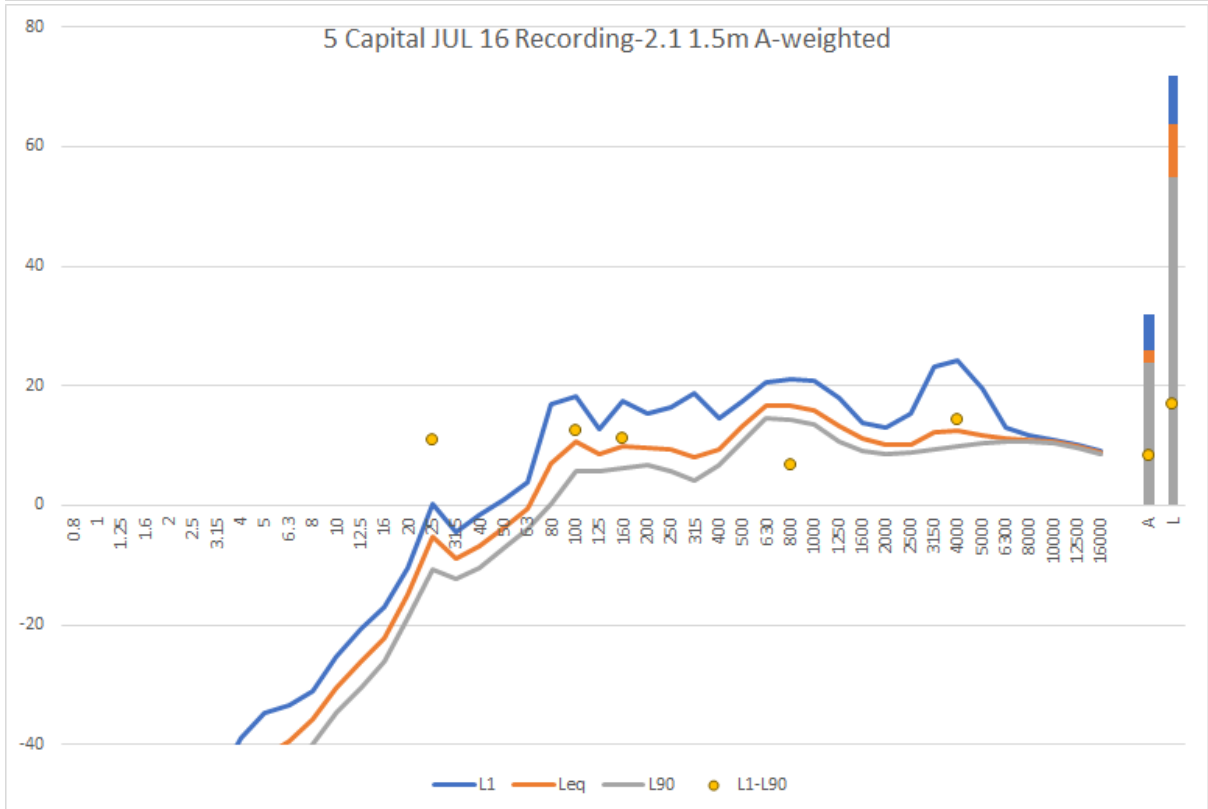
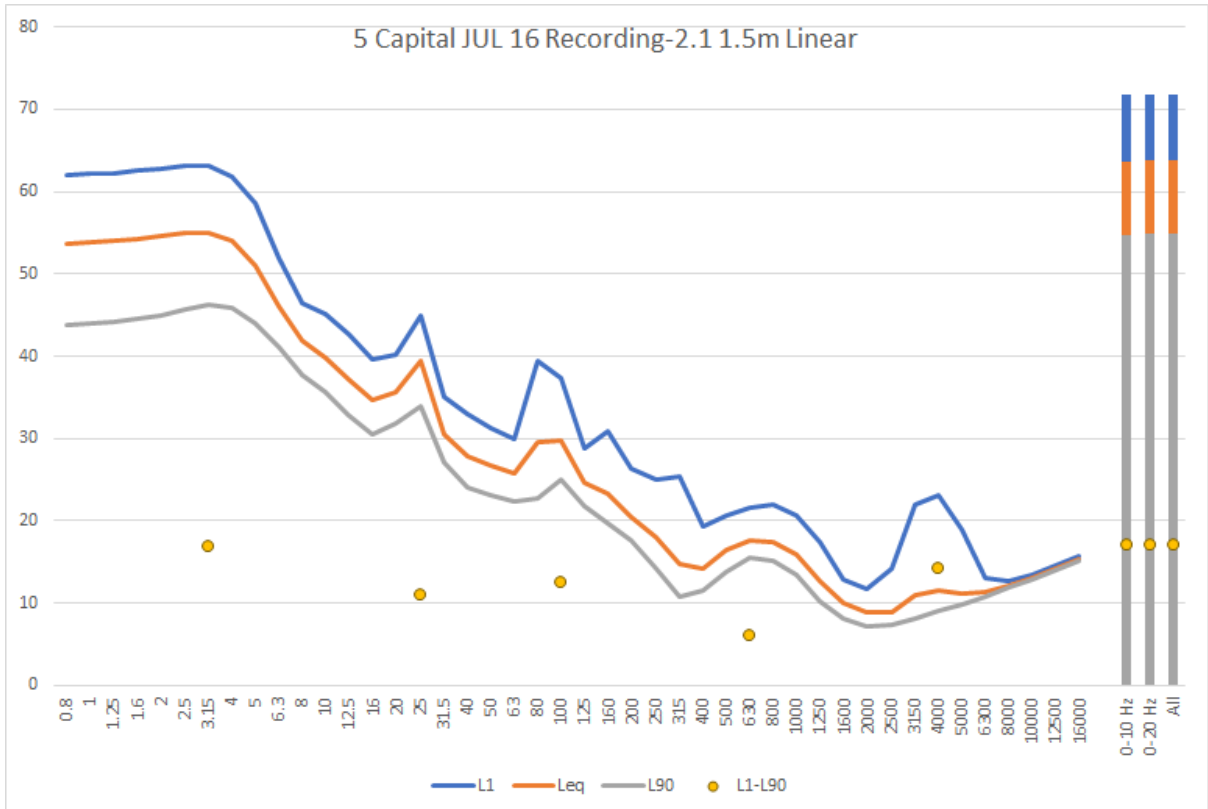
# Modulation Index

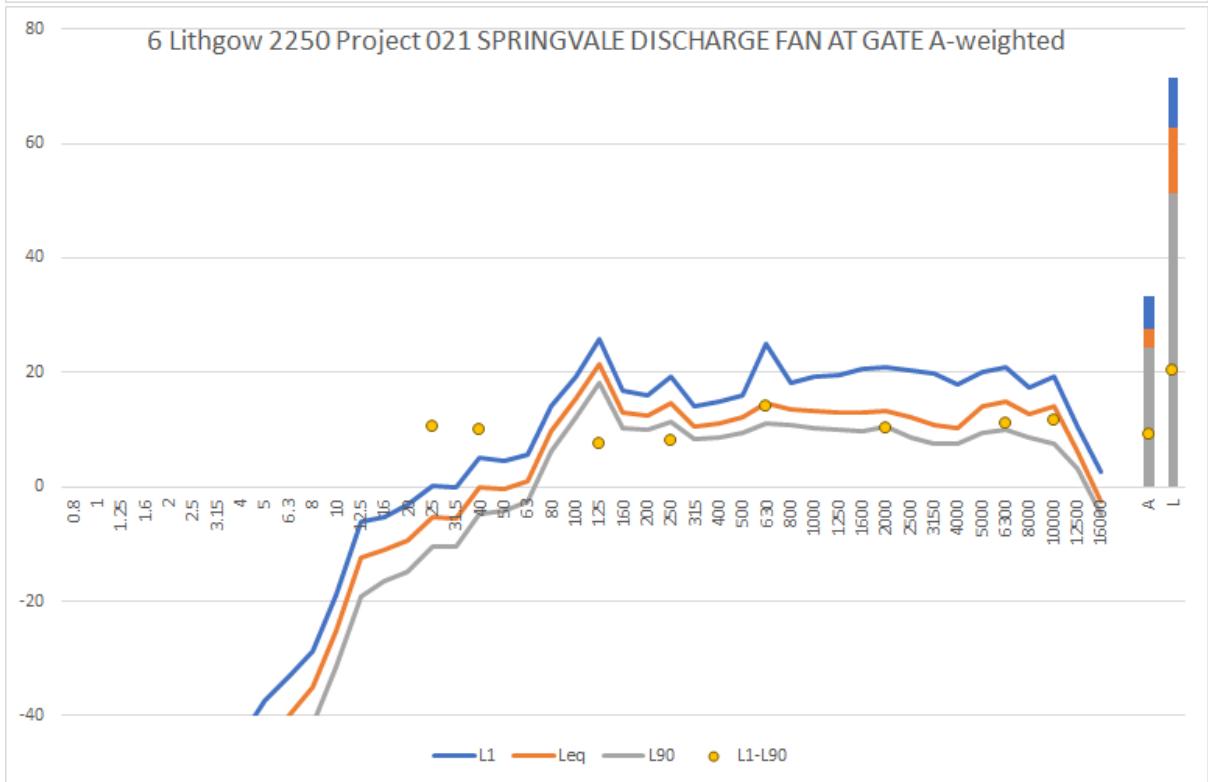
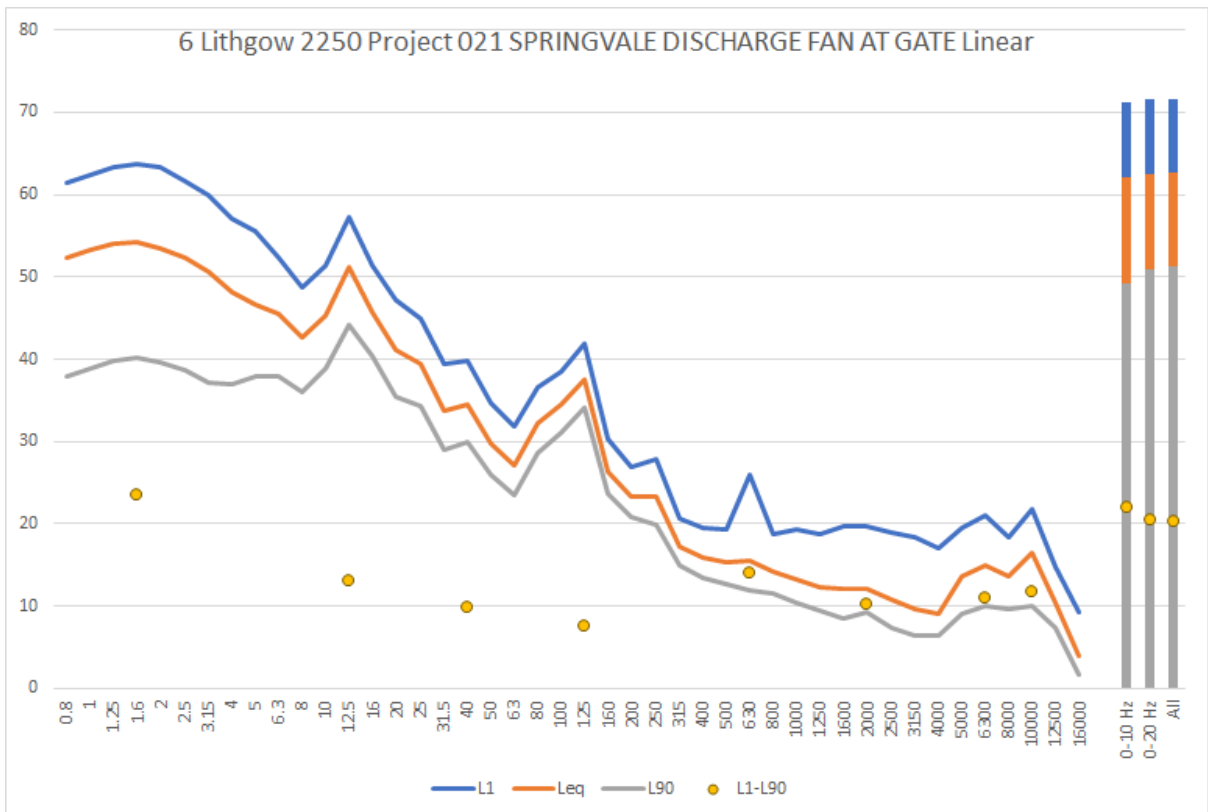


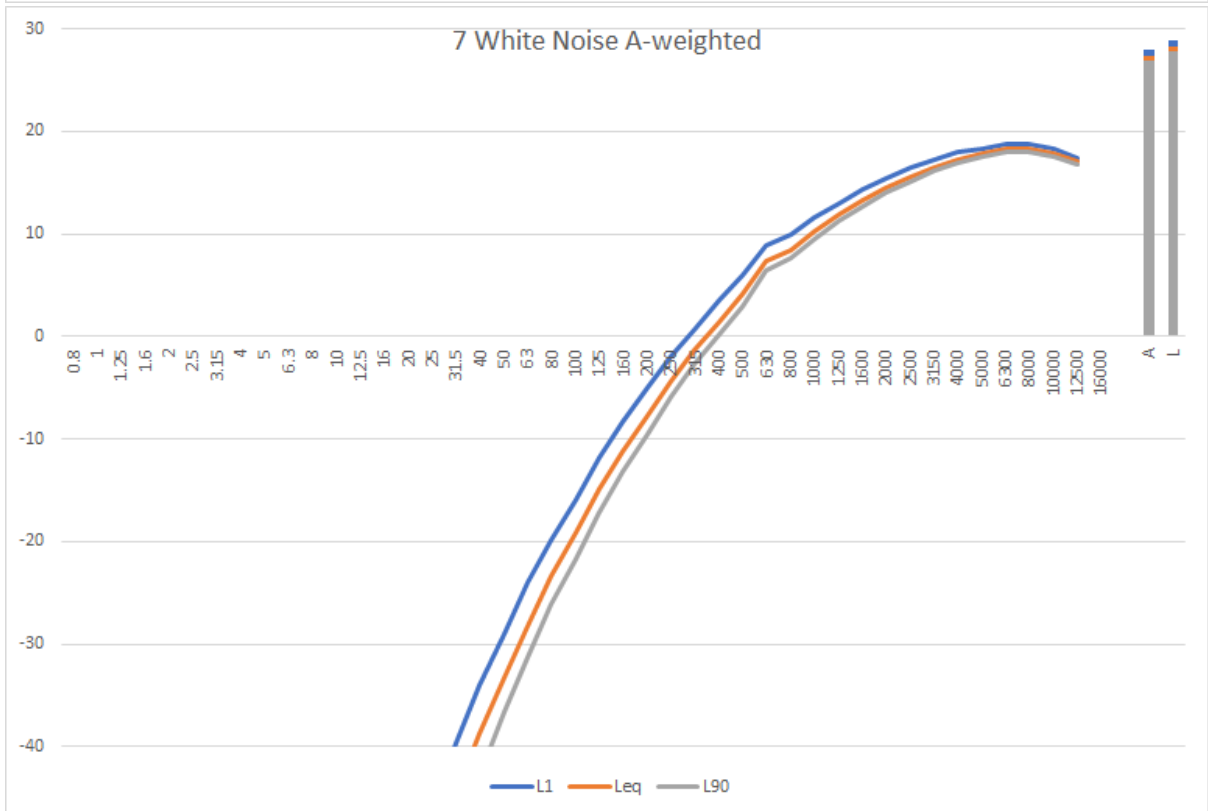
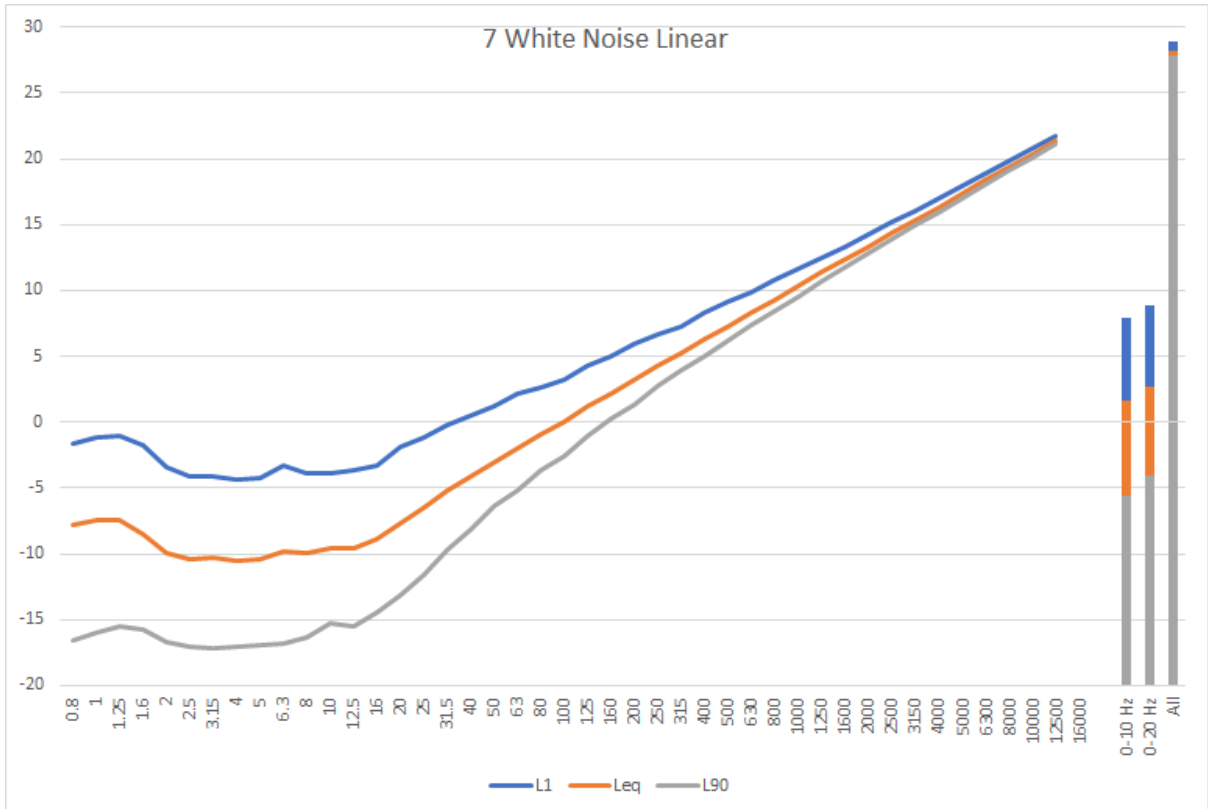




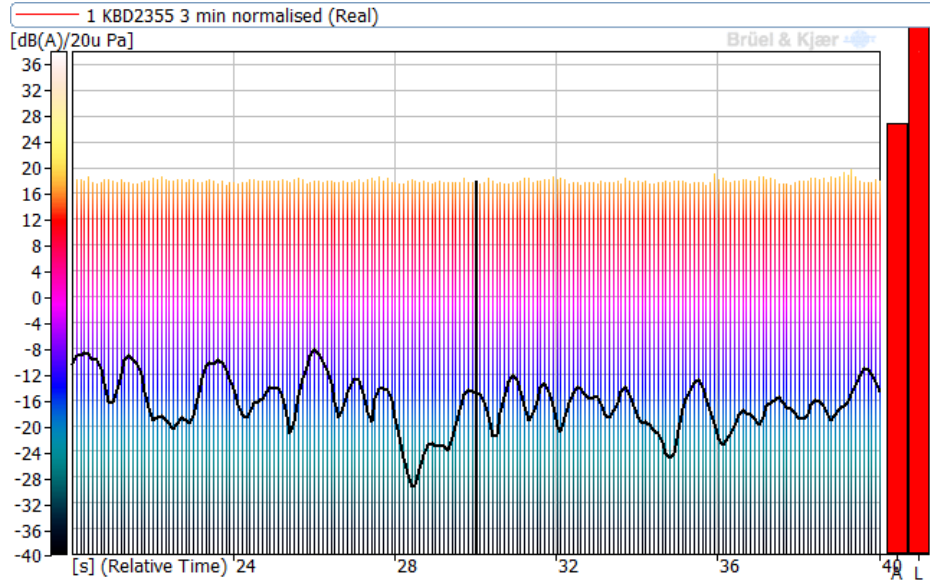




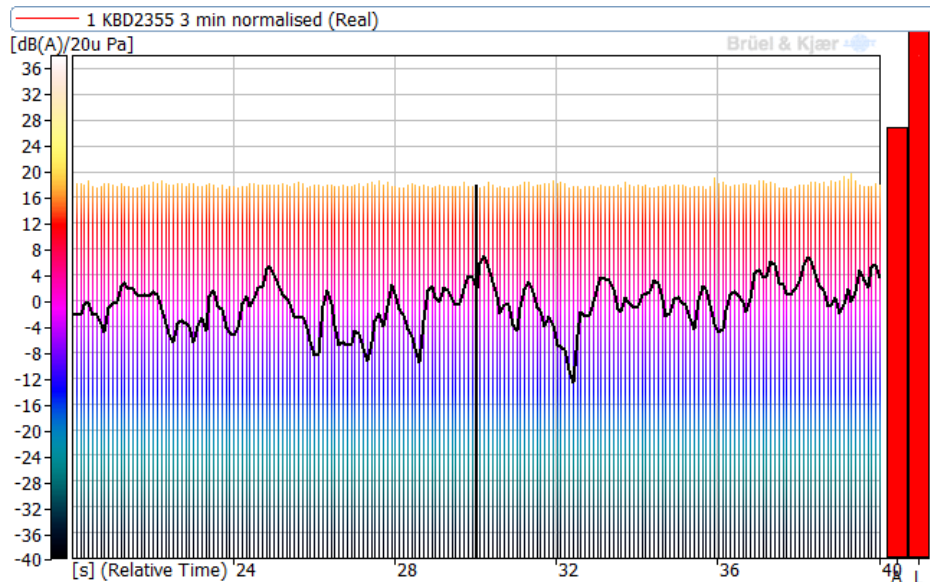




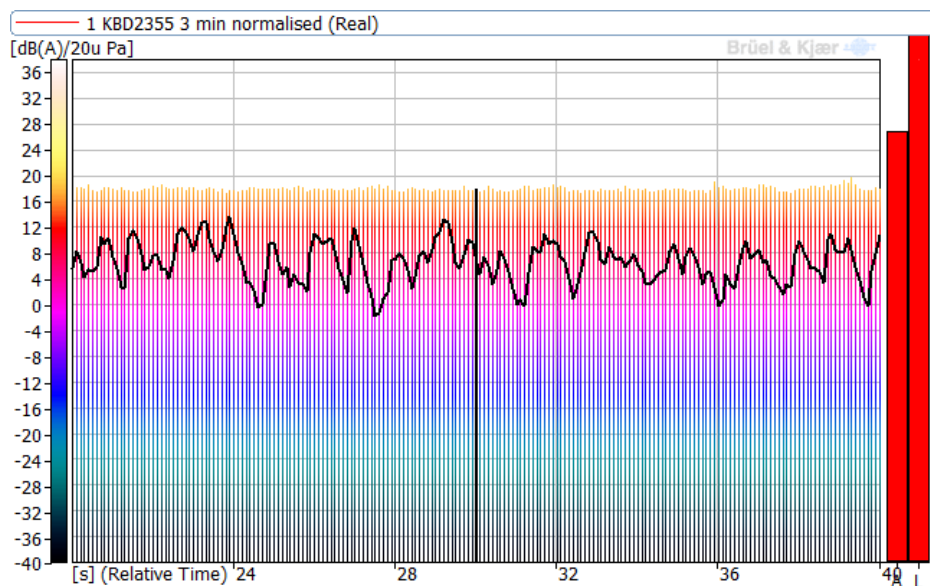
# 1/3 Octave Band Time Splices



**Cursor values**  
X: 6.300 Hz  
Y: -15.155 dB(A)/20u Pa  
Z: 30.000 s

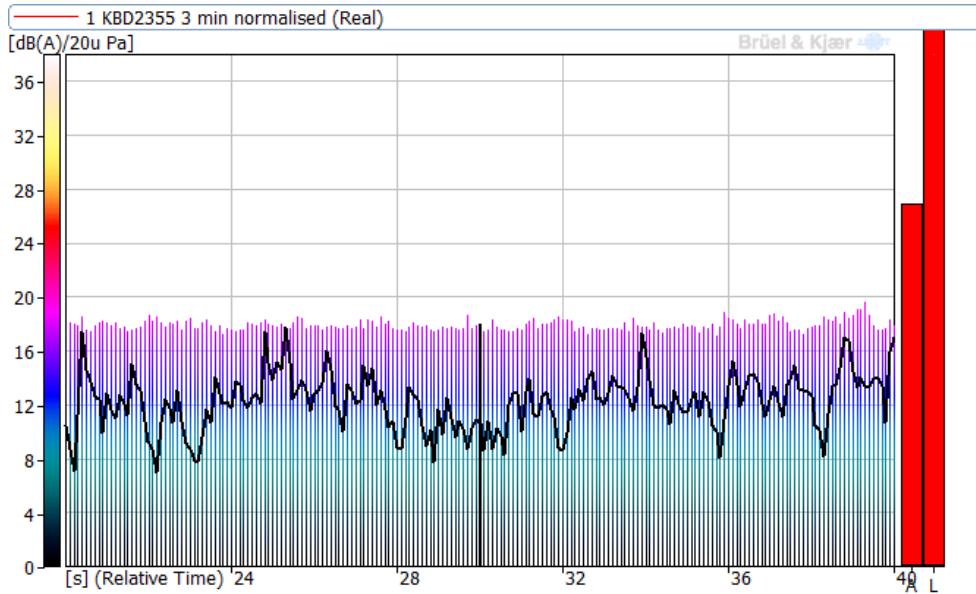


**Cursor values**  
X: 16.000 Hz  
Y: 1.755 dB(A)/20u Pa  
Z: 30.000 s

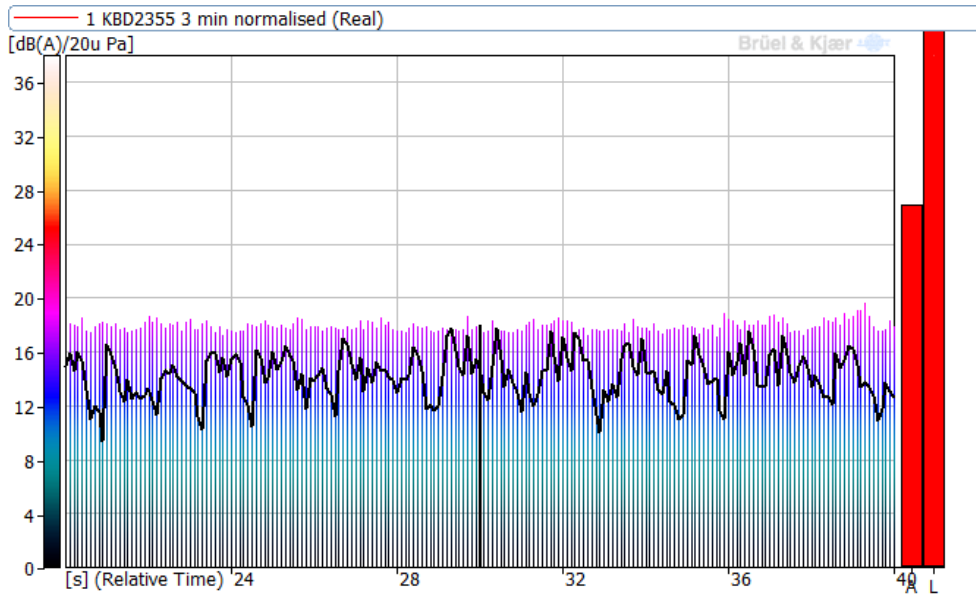


**Cursor values**  
X: 31.500 Hz  
Y: 6.453 dB(A)/20u Pa  
Z: 30.000 s

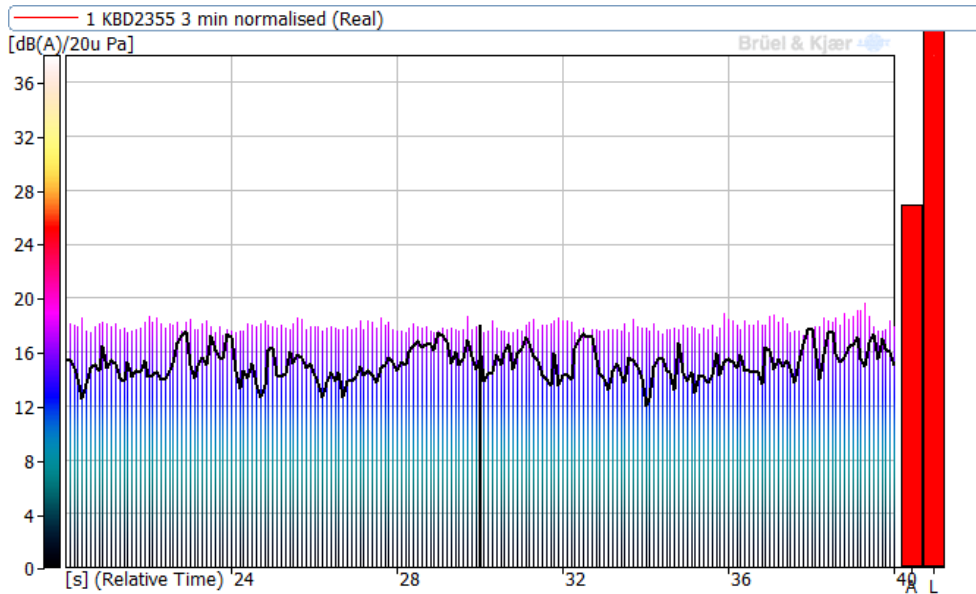




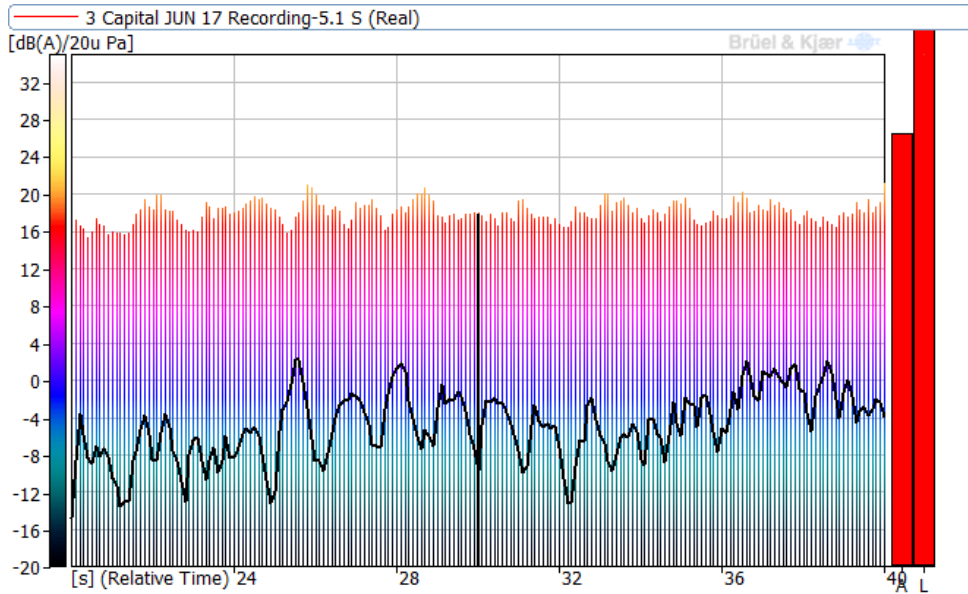
**Cursor values**  
 X: 80.000 Hz  
 Y: 10.639 dB(A)/20u Pa  
 Z: 30.000 s



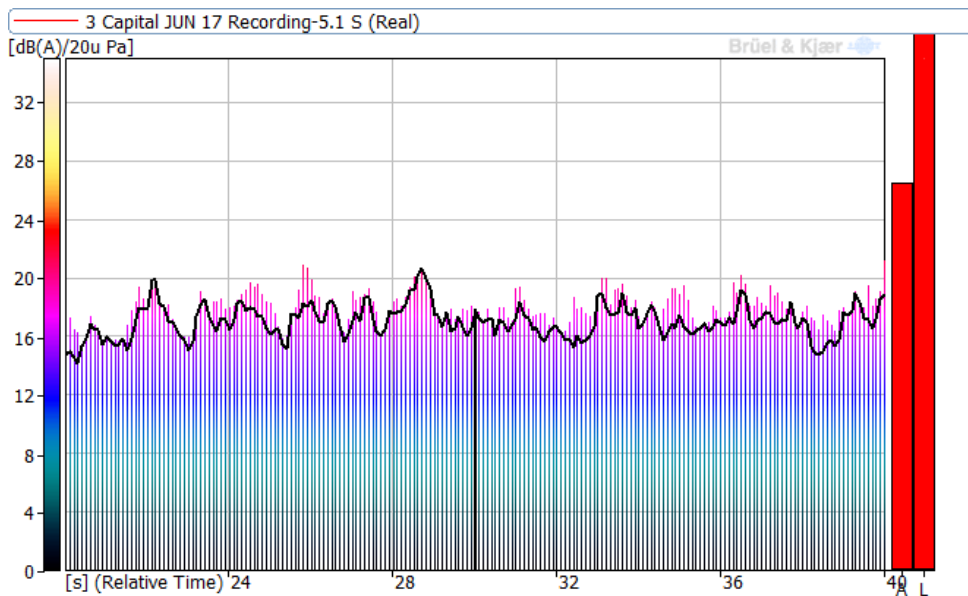
**Cursor values**  
 X: 125.000 Hz  
 Y: 14.266 dB(A)/20u Pa  
 Z: 30.000 s



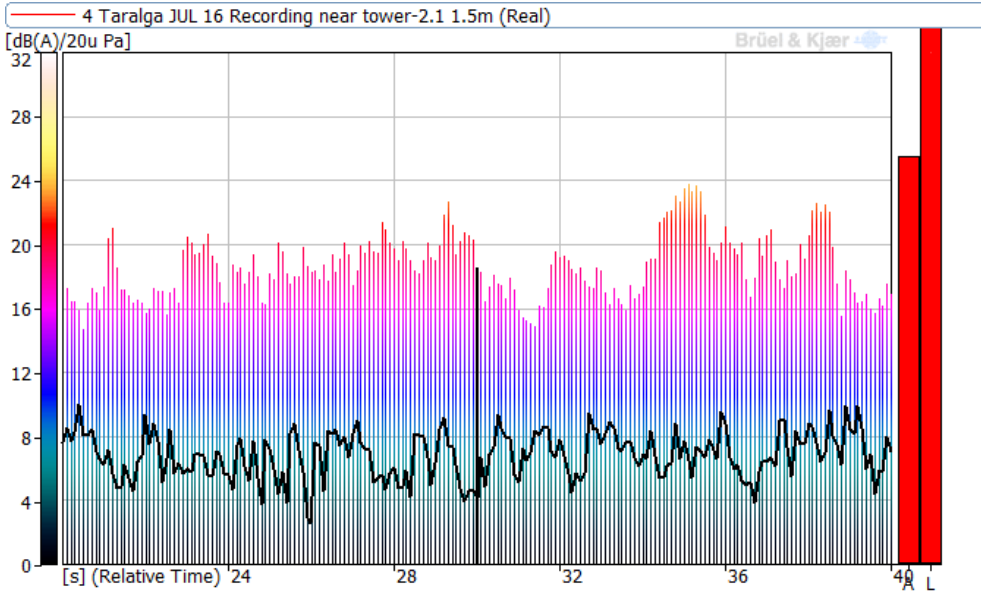
**Cursor values**  
 X: 250.000 Hz  
 Y: 15.729 dB(A)/20u Pa  
 Z: 30.000 s



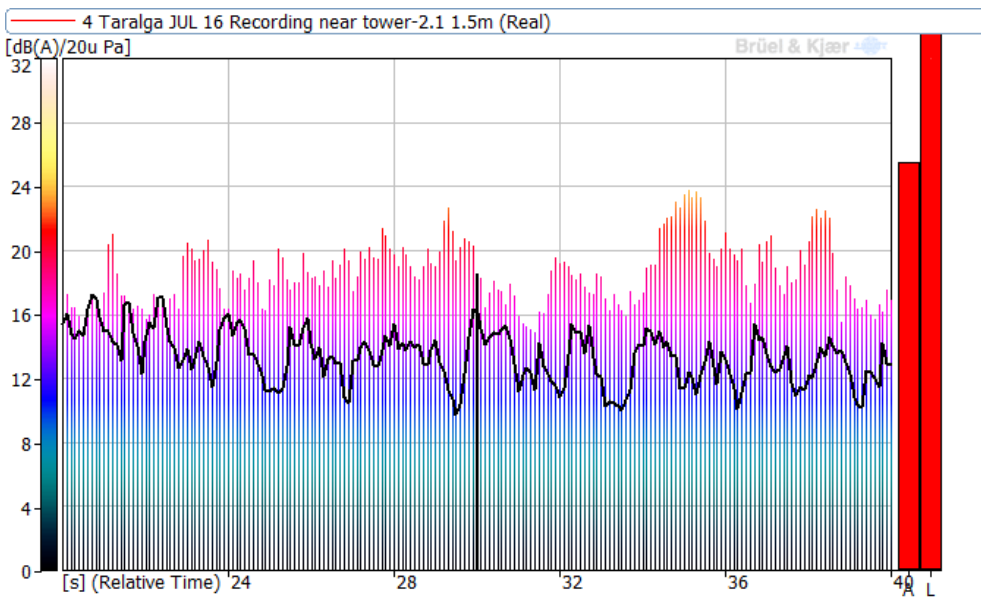
**Cursor values**  
 X: 25.000 Hz  
 Y: -9.795 dB(A)/20u Pa  
 Z: 30.000 s



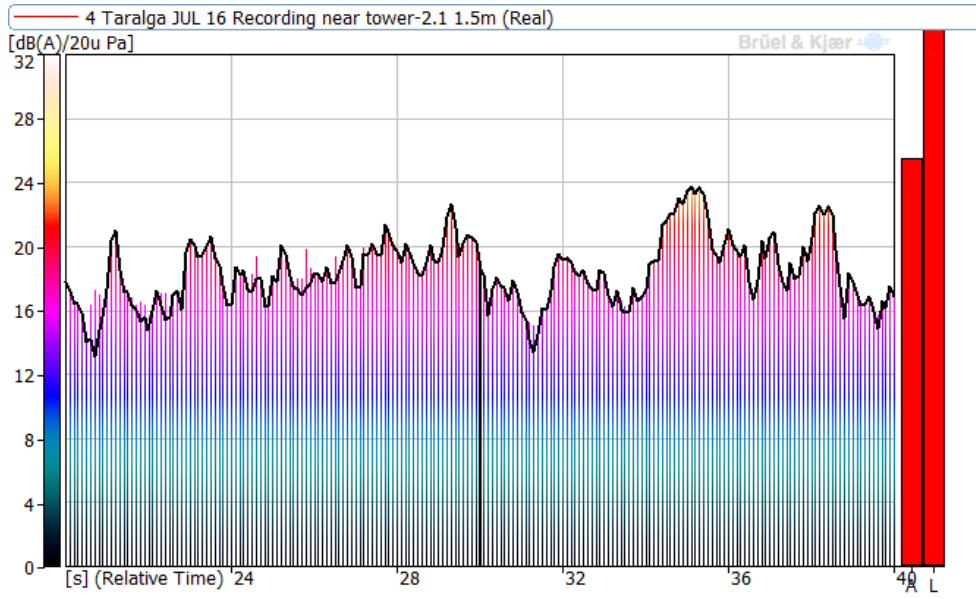
**Cursor values**  
 X: 800.000 Hz  
 Y: 17.734 dB(A)/20u Pa  
 Z: 30.000 s



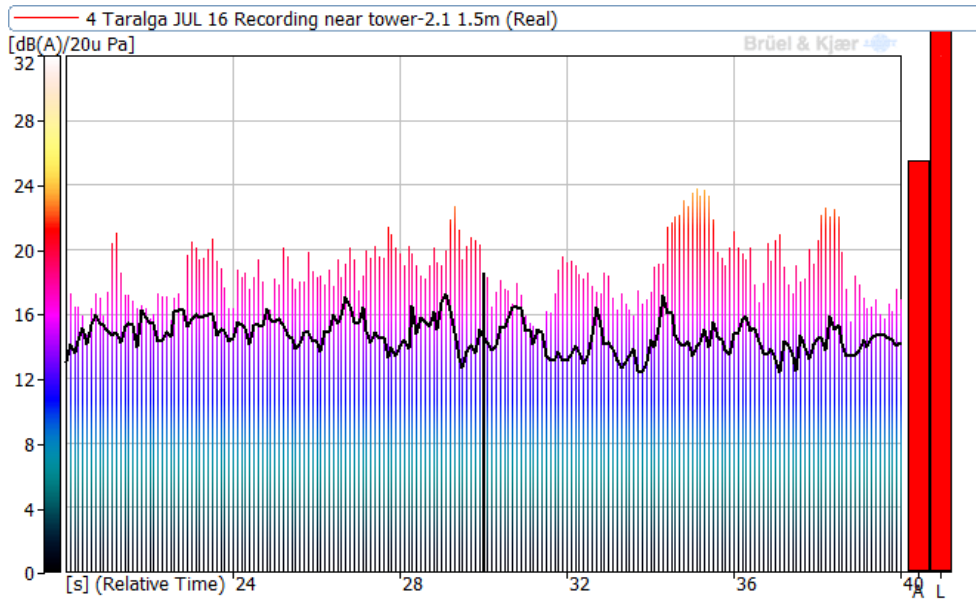
**Cursor values**  
 X: 125.000 Hz  
 Y: 4.069 dB(A)/20u Pa  
 Z: 30.000 s



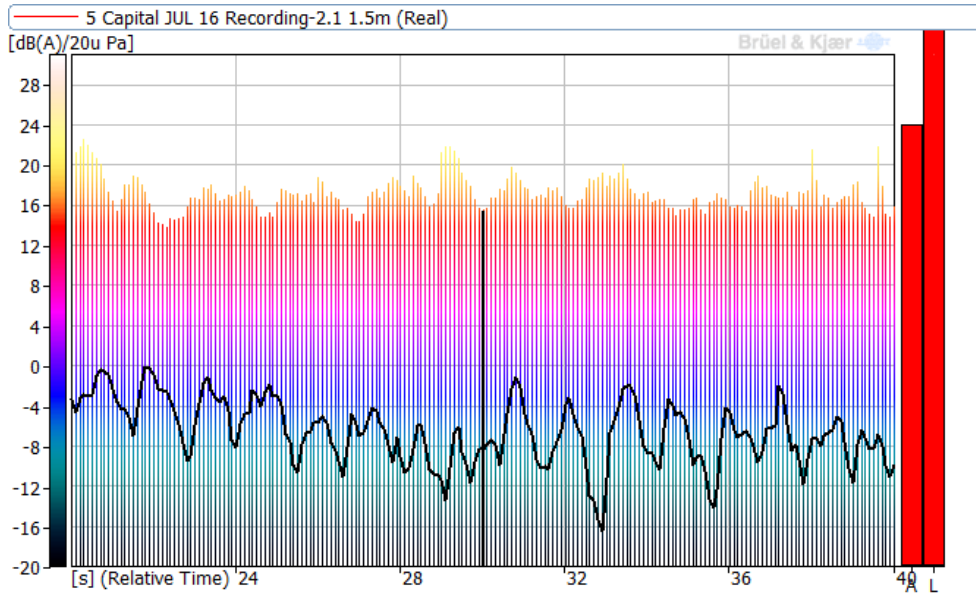
**Cursor values**  
 X: 250.000 Hz  
 Y: 16.061 dB(A)/20u Pa  
 Z: 30.000 s



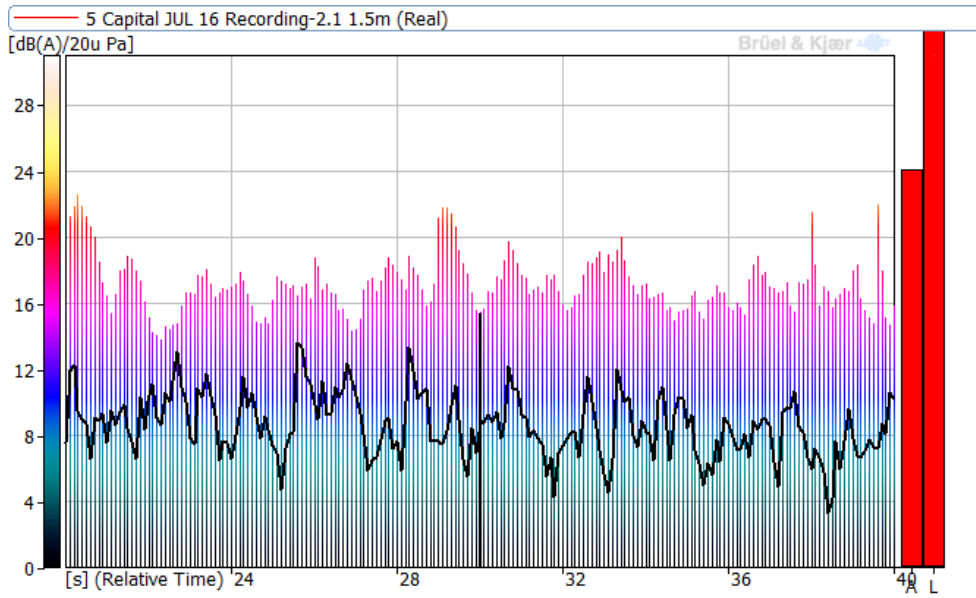
**Cursor values**  
 X: 400.000 Hz  
 Y: 18.516 dB(A)/20u Pa  
 Z: 30.000 s



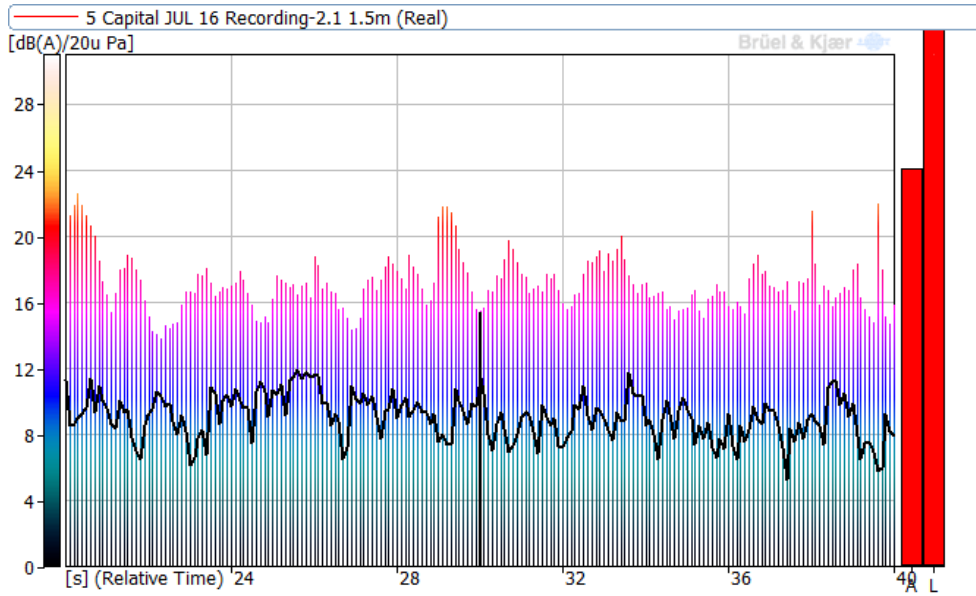
**Cursor values**  
 X: 630.000 Hz  
 Y: 14.414 dB(A)/20u Pa  
 Z: 30.000 s



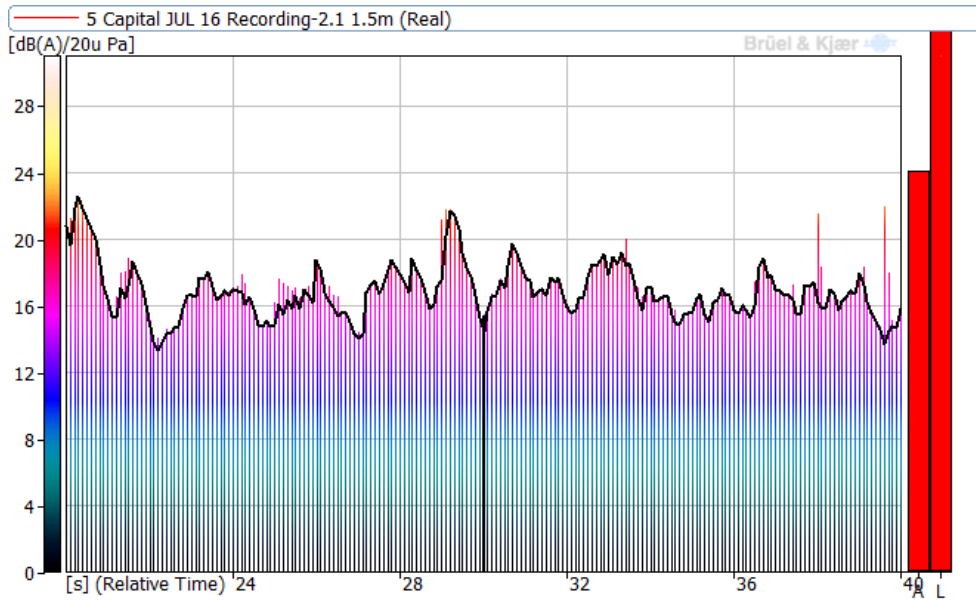
**Cursor values**  
 X: 25.000 Hz  
 Y: -8.395 dB(A)/20u Pa  
 Z: 30.000 s



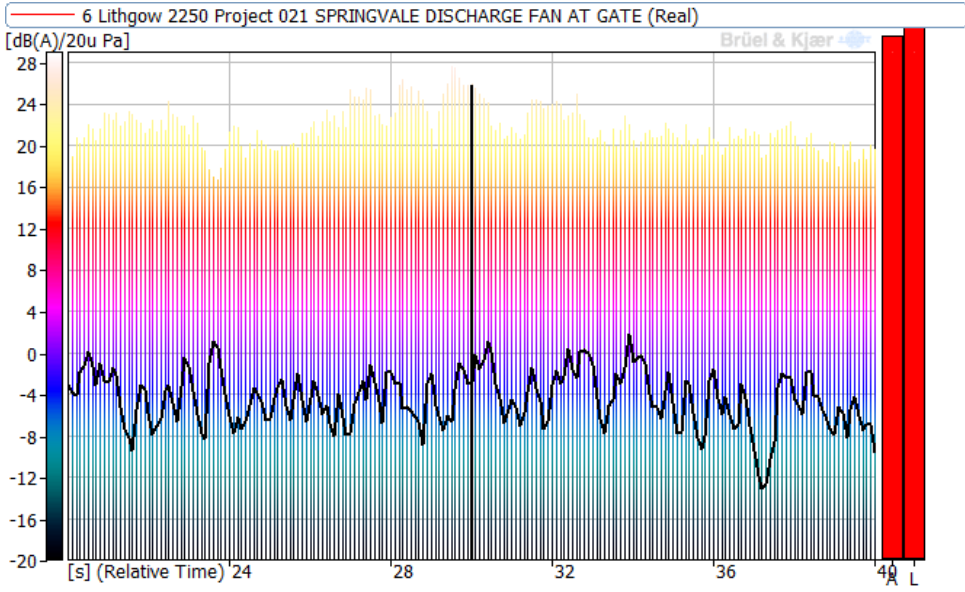
**Cursor values**  
 X: 100.000 Hz  
 Y: 8.820 dB(A)/20u Pa  
 Z: 30.000 s



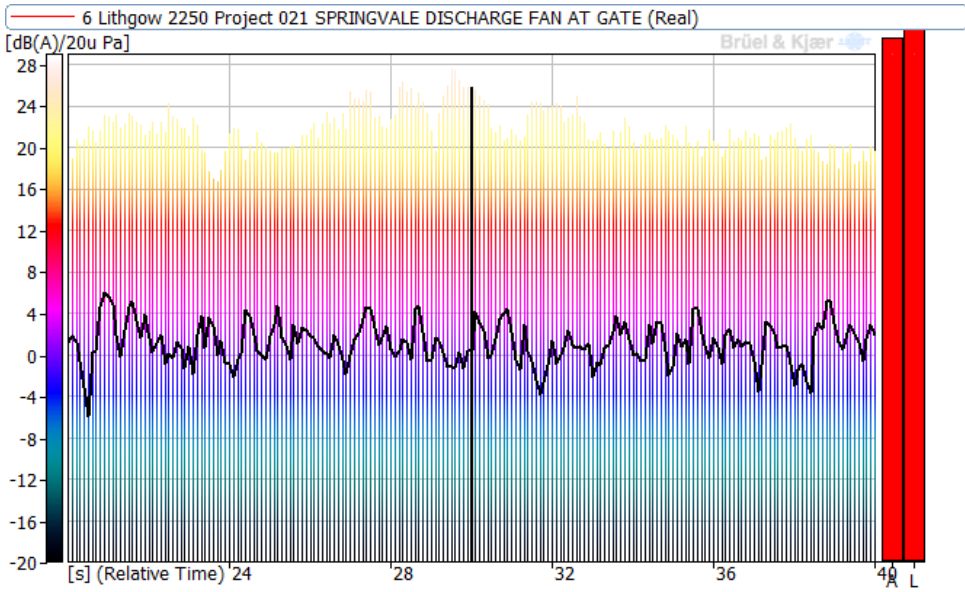
**Cursor values**  
 X: 160.000 Hz  
 Y: 11.380 dB(A)/20u Pa  
 Z: 30.000 s



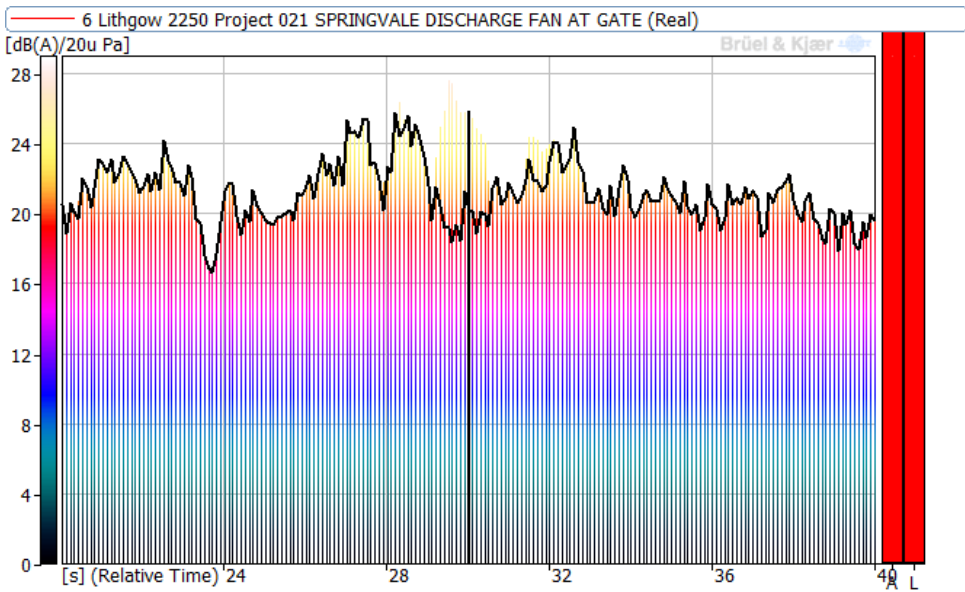
**Cursor values**  
 X: 800.000 Hz  
 Y: 14.313 dB(A)/20u Pa  
 Z: 30.000 s



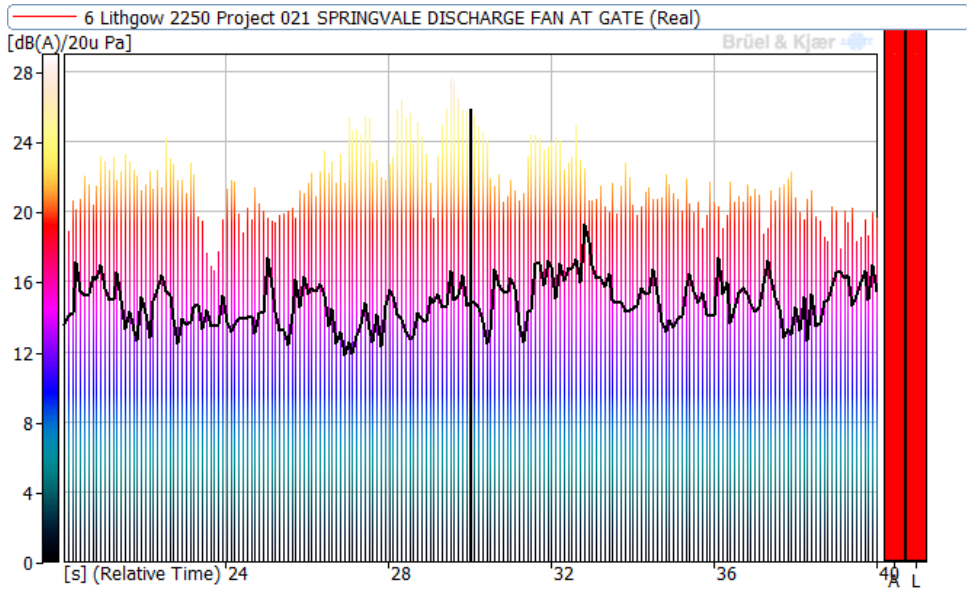
**Cursor values**  
 X: 25.000 Hz  
 Y: -2.895 dB(A)/20u Pa  
 Z: 30.000 s



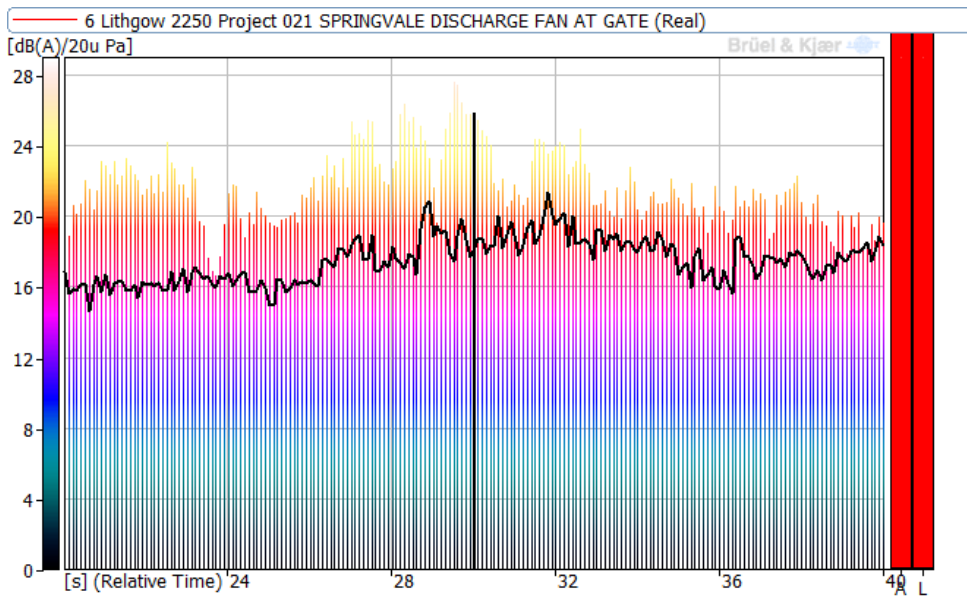
**Cursor values**  
 X: 40.000 Hz  
 Y: 0.321 dB(A)/20u Pa  
 Z: 30.000 s



**Cursor values**  
 X: 125.000 Hz  
 Y: 20.058 dB(A)/20u Pa  
 Z: 30.000 s



**Cursor values**  
 X: 250.000 Hz  
 Y: 14.780 dB(A)/20u Pa  
 Z: 30.000 s



**Cursor values**  
 X: 6.300k Hz  
 Y: 18.146 dB(A)/20u Pa  
 Z: 30.000 s



# Conclusion

- Inaudible noise
- Direct response of brain – no thought process
- Promising – worthy of further study
  - Need for longer samples
  - Suggest one source at a time minimum 20 min exposure
  - Minimum break between tests 30 mins
- Is the real amplitude modulation in the low frequency that gives rise to the greatest effect?
- But why then a greater change in the standard deviation for the hemi-anechoic room? Smaller room or full spectrum?