

Recorded Sound Pressure Levels

	Main	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz
Front	76.4	61.5	64.7	73.4	80.4	81.1	74.3	70
Front	78.5	71.5	67.6	73.9	81.9	81.2	77.5	72.4
Side	71.7	56.1	62.5	76.1	71.2	75.5	71.9	64
Front	71.8	72.7	72.2	75.4	71.7	75.2	72	64.2
Side	72.2	63.2	64.3	72	73.8	73.9	72.3	65
Front	63.1	64.4	63.9	70.1	66.2	67.6	61.8	56.5
Side	63.1	54.1	63.1	67.6	66	65.6	61.8	56.8

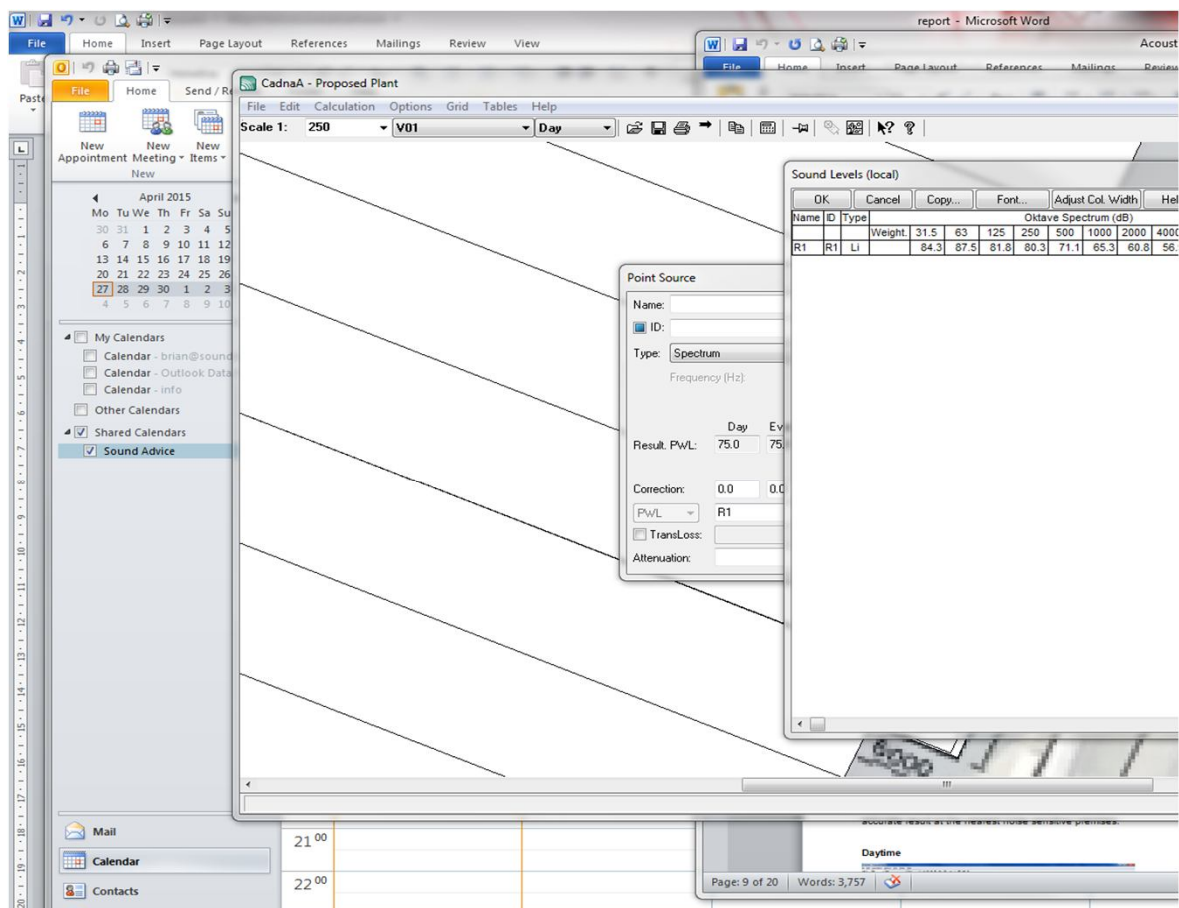
Calculated Sound Power Levels

	Main	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz
Front	92.5	77.6	80.8	89.5	96.5	97.2	90.4	86.1
Front	94.6	87.6	83.7	90.0	98.0	97.3	93.6	88.5
Side	87.8	72.2	78.6	92.2	87.3	91.6	88.0	80.1
Front	87.9	88.8	88.3	91.5	87.8	91.3	88.1	80.3
Side	88.3	79.3	80.4	88.1	89.9	90.0	88.4	81.1
Front	79.2	80.5	80.0	86.2	82.3	83.7	77.9	72.6
Side	79.2	70.2	79.2	83.7	82.1	81.7	77.9	72.9

Proposed Attenuator 4 4 6 11 17 15

Calculated Front Noise Level 84.3 87.5 81.8 80.3 71.1 65.3

These levels have been inputted into the 3D modelling software



Operating Frequency Hz

2 kHz	4 kHz	8 kHz	16 kHz	
62.9	56.9	52.2	19.9	
64.6	60.4	55.6	30.5	
54.8	48.3	45	19.4	60Hz
55.7	49.8	47	20.8	
57.5	52.9	54.5	28.3	40Hz
47.7	43.2	42.9	15.9	
49.7	45.6	51.1	25.7	30Hz

2 kHz	4 kHz	8 kHz	16 kHz	
79.0	73.0	68.3	36.0	
80.7	76.5	71.7	46.6	
70.9	64.4	61.1	35.5	60Hz
71.8	65.9	63.1	36.9	
73.6	69.0	70.6	44.4	40Hz
63.8	59.3	59.0	32.0	
65.8	61.7	67.2	41.8	30Hz

11	9	8
60.8	56.9	55.1

