

## Appendix A15.3 Connolly Hospital Baseline Vibration Monitoring Results

Date and Start Time	RMS Acceleration (4-minute average) m/s <sup>2</sup>	RMS Acceleration (maximum) m/s <sup>2</sup>	Acceleration (maximum) m/s <sup>2</sup>
<b>Location 1 - Rear Entrance</b>			
<b>20.09.2017</b>			
14.55*	0.169	2.61	over
15.04	0.00199	0.01200	0.0306
15.10	0.002	0.0123	0.04050
15.19	0.00229	0.01760	0.05050
15.24	0.00189	0.00312	0.00854
15.28	0.00216	0.01030	0.03460
15.32	0.00212	0.00933	0.02930
15.37	0.00211	0.0108	0.03600
15.45	0.00180	0.00755	0.02300
15.49	0.00183	0.00521	0.01530
15.54	0.00180	0.00448	0.01390
15.58	0.00184	0.00351	0.01210
16.02	0.00200	0.00694	0.01760
16.07	0.00172	0.00306	0.00991
<b>Location 2 - Department of Psychiatry Meeting Room</b>			
<b>20.09.2017</b>			
16.18	0.00183	0.00432	0.01670

Date and Start Time	RMS Acceleration (4-minute average) m/s <sup>2</sup>	RMS Acceleration (maximum) m/s <sup>2</sup>	Acceleration (maximum) m/s <sup>2</sup>
16.23	0.00217	0.01720	0.19300
16.30	0.00175	0.00312	0.01210
16.35	0.00171	0.00252	0.00854
16.40	0.00171	0.00288	0.01040
16.48	0.00173	0.00284	0.01080
16.53	0.00174	0.00349	0.01080
16.58	0.00173	0.00406	0.01390
17.02	0.00172	0.00269	0.00944
17.06	0.00175	0.00363	0.01130
17.10	0.00182	0.00402	0.01580
17.15	0.00177	0.00435	0.01760
17.19	0.00188	0.00540	0.01850
17.23	0.00188	0.00973	0.02880
17.32	0.00277	0.02250	0.04550
<b>Location 3 - Adjacent MRI &amp; CAT Scan Rooms</b>			
<b>21.09.2017</b>			
09.51	0.00531	0.02890	0.04550
09.56	0.00432	0.0139	0.02250
10.01	0.00336	0.00758	0.0207
10.05	0.00344	0.00724	0.0144
10.09	0.00326	0.00772	0.0225

Date and Start Time	RMS Acceleration (4-minute average) m/s <sup>2</sup>	RMS Acceleration (maximum) m/s <sup>2</sup>	Acceleration (maximum) m/s <sup>2</sup>
10.13	0.00346	0.00983	0.02030
10.17	0.00369	0.00743	0.01530
10.21	0.00380	0.0190	0.0594
10.26*	0.0384	0.01570	over
10.30	0.00336	0.00708	0.01710

Date and Start Time	RMS Acceleration (4-minute average) m/s <sup>2</sup>	RMS Acceleration (maximum) m/s <sup>2</sup>	Acceleration (maximum) m/s <sup>2</sup>
<b>Location 3 - Adjacent MRI &amp; CAT Scan Rooms</b>			
<b>21.09.2017</b>			
10.34*	0.00367	0.01960	over
10.39	0.00311	0.00908	0.0333
10.51	0.00343	0.00732	0.01850
11.08	0.00371	0.01380	0.04410
11.12	0.00354	0.01150	0.03290
11.18	0.00486	0.03750	0.108
11.24*	0.1700	2.59	over
11.29	0.00402	0.01540	0.05440
11.36*	0.00392	0.01390	over
11.44	0.00352	0.01140	0.03420

Date and Start Time	RMS Acceleration (4-minute average) m/s <sup>2</sup>	RMS Acceleration (maximum) m/s <sup>2</sup>	Acceleration (maximum) m/s <sup>2</sup>
11.48	0.00382	0.01600	0.04860
11.53	0.00330	0.00788	0.03290
11.57	0.00382	0.01300	0.05230
<b>Location 4 - Hospital Foyer (Main Entrance)</b>			
<b>21.09.2017</b>			
12.07	0.00238	0.00722	0.02610
12.12	0.00286	0.01310	0.04590
12.16	0.00289	0.01480	0.04950
12.21	0.00254	0.00861	0.02880
12.25	0.00265	0.01780	0.05530
12.30	0.00284	0.01720	0.06250
12.35	0.00274	0.0127	0.04190
12.39	0.00314	0.02110	0.08110
12.43	0.00280	0.0110	0.03870