FFR Service Test Report

Sample Non-Dynamic Report Template

|  |  |
| --- | --- |
| Author: | ITE |
| Date: | 15/07/2019 |

Prospective Response Provider Company Details

|  |  |
| --- | --- |
| Prospective Response Provider Company name |  |
| Primary contact name |  |
| Contact number /s |  |
| Email address |  |

Contract Details

|  |  |
| --- | --- |
| Contract ID |  |
| Service type |  |
| Asset type, e.g. diesel generator, battery etc |  |
| Unit make up, e.g. single or aggregated |  |
| Aggregation methodology (if appropriate) |  |
| Unit location / ID |  |
| Test date |  |

Static Service Details

|  |  |
| --- | --- |
| Contracted MW | 1MW |
| Contracted response time | 30 second |
| Contracted duration | 30 mins |
| Trigger Frequency Setting | 49.7Hz |

Test Results

| Pass Criteria | Pass / Fail | Comment |
| --- | --- | --- |
| An acceptable frequency injection profile is used. | Pass |  |
| The relay operating point of the plant/unit(s) occurs at the correct contracted trigger frequency and within the permitted tolerance (±0.01Hz). | Pass | See Figure 1 for sample showing close up of the frequency at which relay operates |
| The response is sustained for 30 minutes. | Pass | See Figure 2 |
| The standard deviation of active power error over a 30 minute period does not exceed 2.5% of the contracted active power change. | Pass | The standard deviation over the secondary response period was 0.95% of the observed response of 1MW |
| Response volume is assessed as the minimum response observed from 30 second to 30 minutes following relay trigger. |  | The blue line in Figure 2 below shows a minimum response of 1MW. |
| **Overall Test Result** | **Pass** | **1MW validated** |

Figure 1 – Relay Operation

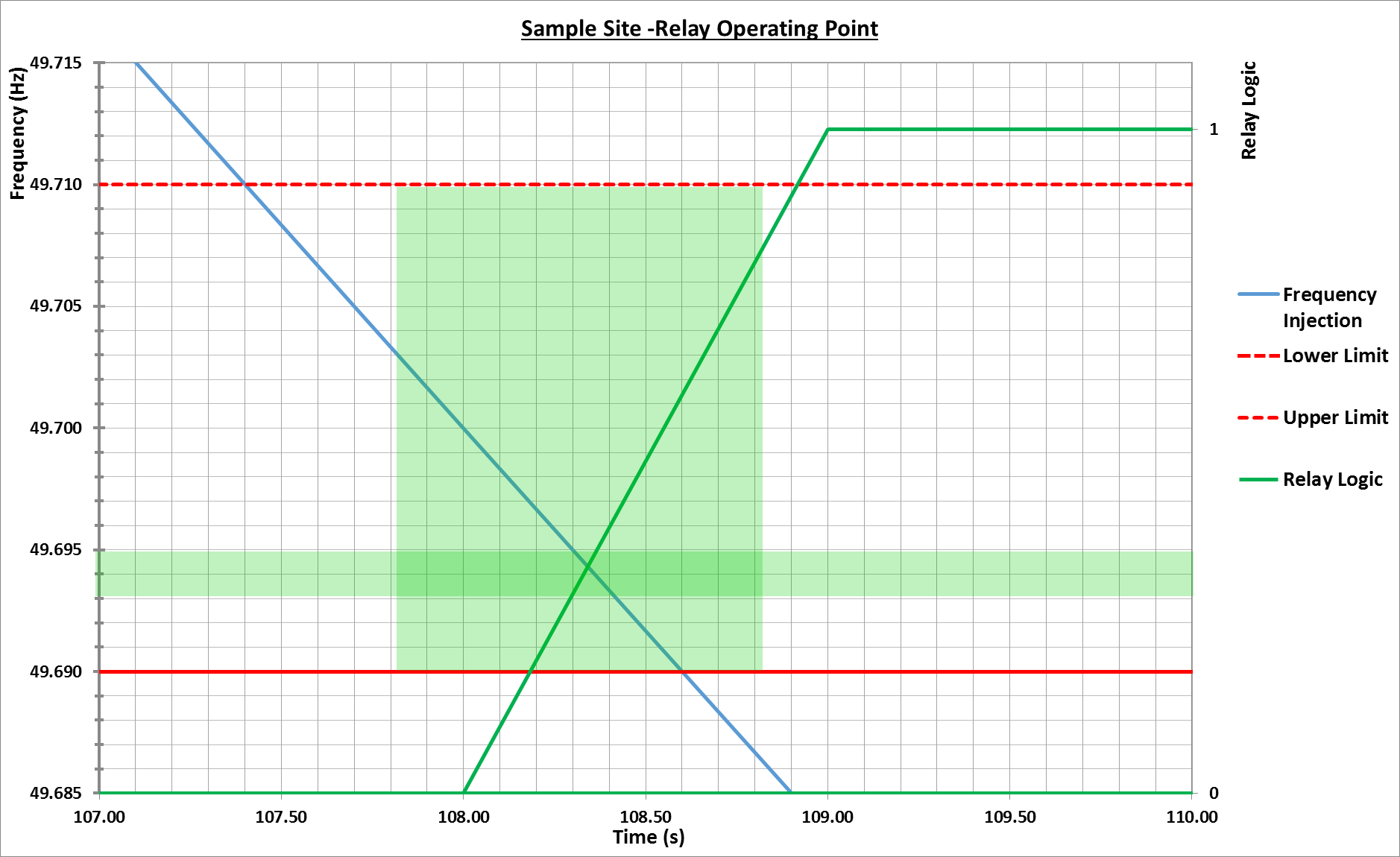
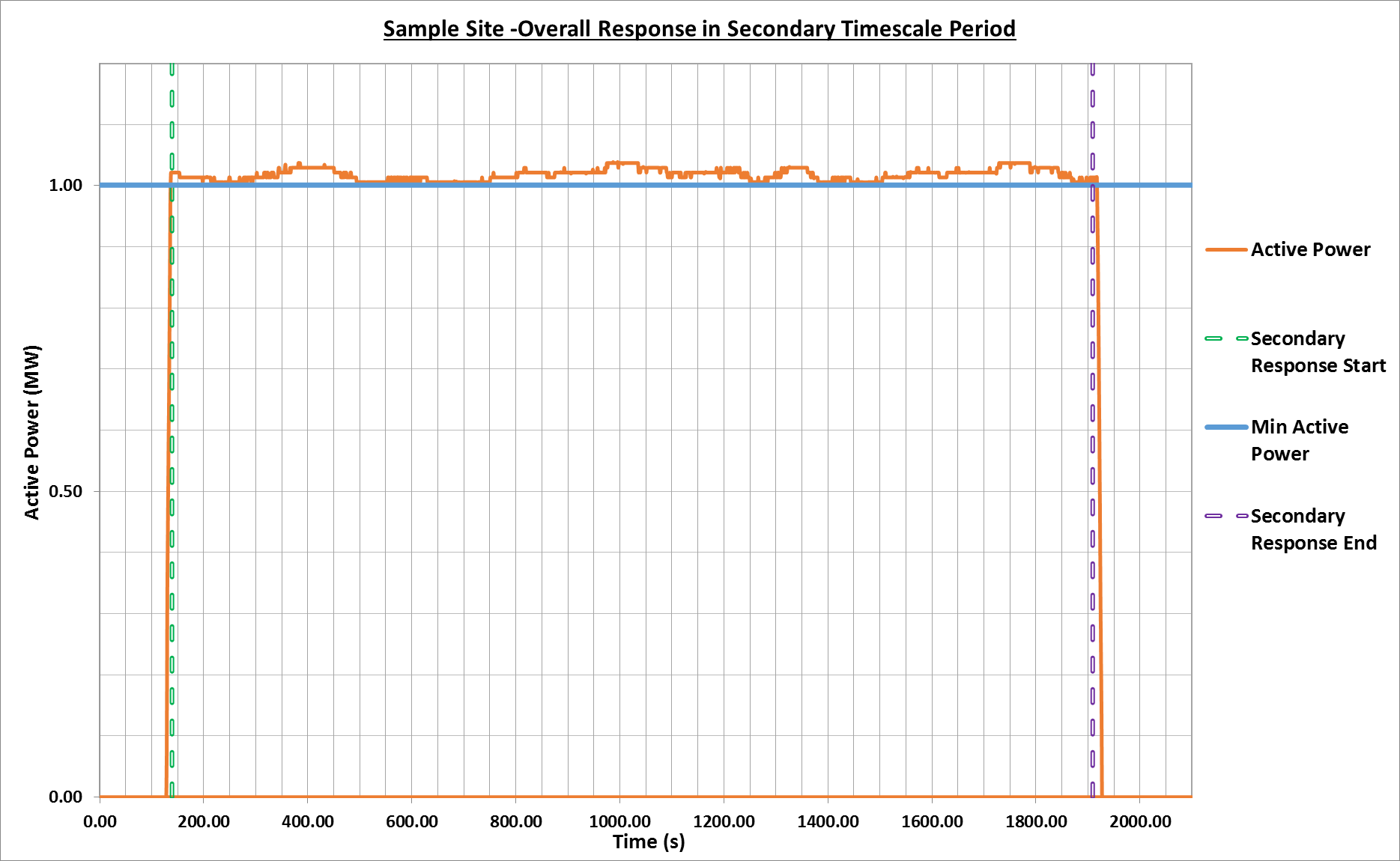


Figure 2 – Overall Response



Independent Technical Expert (ITE) Details

|  |  |
| --- | --- |
| Company name |  |
| Primary contact name |  |
| Contact number /s |  |
| Email address |  |
| **I / We confirm that I / We the following:**   1. **I/We am a/are Independent Technical Expert(s) (as defined in Appendix A of the NGESO’s prevailing Testing Guidelines);** 2. **I/We have carried out an assessment of the [asset] described above in accordance with the testing guidelines set out in the Testing Guidelines;** 3. **the above details are, to my/our best knowledge and belief, true, accurate, complete and not misleading; and** 4. **the CV attached of my/our experience is to my/our best knowledge and belief, true, accurate, complete and not misleading.** | |
| Signed: |  |
| Date: |  |
|  |  |