FTU主站联调表

1. 遥控联调试验记录表

项目名称：湖北天门10kV山东省路桥集团有限公司京山分公司业扩配套工程 项目编码：1815J8240058 链路：12039 IP：10.0.79.192

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 序号 | 遥控对象名称 | 遥控号 | 操作性质 | 仓库联调 | | | | 现场安装后联调 | | | |
| 主站响应 | | | 实际变位 | 主站响应 | | | 实际变位 |
| 画面音响 | 响应时间 | 事件记录 | 画面音响 | 响应时间 | 事件记录 |
| 1 | 开关遥控 | 1 | 分 | √ | 1S | √ | 分 |  |  |  |  |
| 合 | √ | 1S | √ | 合 |  |  |  |  |
| 2 | 装置信号复归 | 2 | 分 | √ | 1S | √ | 分 | / | / | / | / |
| 合 | √ | 1S | √ | 合 | / | / | / | / |
| 3 | 遥控软压板 | 3 | 分 | √ | 1S | √ | 分 | / | / | / | / |
| 合 | √ | 1S | √ | 合 | / | / | / | / |
| 4 | 电池活化 | 4 | 分(主站封锁) | √ | 1S | √ | 分 | / | / | / | / |
| 合 | √ | 1S | √ | 合 | / | / | / | / |
| 5 | 录波召测 | 4 | 分(主站封锁) | √ | 1S | √ | 分 | / | / | / | / |
| 合 | √ | 1S | √ | 合 | / | / | / | / |
| 测试人：许云博 | | | | 工作负责人：汪自力 | | | | 备注： | | | |

1. 遥测联调试验记录表

项目名称：湖北天门10kV山东省路桥集团有限公司京山分公司业扩配套工程 项目编码：1815J8240058 TV变比： 10KV/100V 开关TA变比：600/5 零序TA变比:100/5

| 序号 | 遥测对象名称 | 遥测号 | 理论值 | | FTU装置显示 | | 主站响应 | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 二次值 | 一次值 | 测量值 | 相对误差 | 测量值 | 相对误差 |
|  | Ia | 6 | 1A | 120A | 120.803 | ＜3% | 119.345 | ＜3% |
| 3A | 360A | 356.986 | ＜3% | 356.565 | ＜3% |
| 5A | 600A | 599.323 | ＜3% | 597.229 | ＜3% |
|  | Ib | 7 | 1A | 120A | 119.539 | ＜3% | 120.517 | ＜3% |
| 3A | 360A | 362.732 | ＜3% | 360.490 | ＜3% |
| 5A | 600A | 601.482 | ＜3% | 604.685 | ＜3% |
|  | Ic | 8 | 1A | 120A | 121.044 | ＜3% | 119.520 | ＜3% |
| 3A | 360A | 358.249 | ＜3% | 361.694 | ＜3% |
| 5A | 600A | 594.331 | ＜3% | 598.140 | ＜3% |
|  | I0 | 9 | 1A | 5A | 5.032 | ＜3% | 4.961 | ＜3% |
| 3A | 15A | 15.006 | ＜3% | 15.111 | ＜3% |
| 5A | 20A | 20.152 | ＜3% | 19.857 | ＜3% |
|  | Uab | 1 | 80V | 8kv | 80.537 | ＜3% | 80.161 | ＜3% |
| 100V | 10kv | 99.688 | ＜3% | 100.729 | ＜3% |
| 120V | 12kv | 121.179 | ＜3% | 119.379 | ＜3% |
|  | Ubc | 2 | 80V | 8kv | 79.896 | ＜3% | 79.351 | ＜3% |
| 100V | 10kv | 99.696 | ＜3% | 100.510 | ＜3% |
| 120V | 12kv | 119.704 | ＜3% | 118.819 | ＜3% |
|  | Uca | 3 | 80V | 8kv | 80.362 | ＜3% | 80.465 | ＜3% |
| 100V | 10kv | 100.704 | ＜3% | 100.022 | ＜3% |
| 120V | 12kv | 119.518 | ＜3% | 120.408 | ＜3% |
|  | P | 10 | 150W | 1.8MW | 150.335 | ＜3% | 151.320 | ＜3% |
| 450W | 5.4MW | 453.680 | ＜3% | 447.618 | ＜3% |
| 750W | 9MW | 744.006 | ＜3% | 748.086 | ＜3% |
|  | Q | 11 | 86.6Var | 1.04MVar | 86.007 | ＜3% | 86.648 | ＜3% |
| 259.8Var | 3.11 MVar | 261.919 | ＜3% | 261.928 | ＜3% |
| 433.0Var | 5.19MVar | 434.045 | ＜3% | 430.299 | ＜3% |
| 19 | 蓄电池电压 | 5 |  | 24V | 23.821 | ＜3% | 23.923 | ＜3% |
| 20 | 功率因数 | 12 |  | 0.866 | 0.871 | ＜3% | 0.856 | ＜3% |
|  | 功率测试:相间电压220V电流1\3\5A,电压超前电流30度 | | | | | | | |
| 测试人：许云博 | | 工作负责人：汪自力 | | | | 备注： | | |

1. 遥信联调试验记录表

项目名称：湖北天门10kV山东省路桥集团有限公司京山分公司业扩配套工程 项目编码：1815J8240058

| 序号 | 遥信对象名称 | 遥信号 | 模拟方法 | 主站响应 | | |
| --- | --- | --- | --- | --- | --- | --- |
| 画面音响 | 响应时间 | 事项记录 |
|  | 事故总 | 1 | 试验 | √ | 1S | √ |
|  | 开关储能/未储能 | 2 | 试验 | √ | 1S | √ |
|  | 开关SF6气压低告警 | 3 | 试验 | √ | 1S | √ |
|  | 断路器合位/分位 | 4 | 分合 | √ | 1S | √ |
|  | 远方/就地位置 | 5 | 试验 | √ | 1S | √ |
|  | FTU装置故障告警 | 6 | 试验 | √ | 1S | √ |
|  | CT断线告警 | 7 | 试验 | √ | 1S | √ |
|  | 交流失电告警 | 8 | 试验 | √ | 1S | √ |
|  | 蓄电池欠压 | 9 | 试验 | √ | 1S | √ |
|  | 蓄电池活化 | 10 | 试验 | √ | 1S | √ |
|  | 电压越限告警 | 11 | 试验 | √ | 1S | √ |
|  | 有压鉴别 | 12 | 试验 | √ | 1S | √ |
|  | A相过流 | 13 | 试验 | √ | 1S | √ |
|  | B相过流 | 14 | 试验 | √ | 1S | √ |
|  | C相过流 | 15 | 试验 | √ | 1S | √ |
|  | 小电流接地动作 | 16 | 试验 | √ | 1S | √ |
|  | 保护动作（备用） | 17 | 试验 | √ | 1S | √ |
|  | 过流I段动作 | 18 | 试验 | √ | 1S | √ |
|  | 过流II段动作 | 19 | 试验 | √ | 1S | √ |
|  | 过负荷告警 | 20 | 试验 | √ | 1S | √ |
|  | 重合闸动作 | 21 | 试验 | √ | 1S | √ |
|  | 重合闸后加速动作 | 22 | 试验 | √ | 1S | √ |
|  | 装置信号复归 | 23 | 试验 | √ | 1S | √ |
|  | 遥控软压板 | 24 | 试验 | √ | 1S | √ |
|  | 正向闭锁合闸状态（新增） | 25 |  | √ | 1S | √ |
|  | 反向闭锁合闸状态（新增） | 26 |  | √ | 1S | √ |
|  | 录波完成 | 27 |  | √ | 1S | √ |
| 测试人：许云博 | | 工作负责人：汪自力 | | | 备注： | |