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| **TP1** | Net Label: | VBAT |  |
| Measurement: | 3.6-4.2 Volts |
| Comment: | This line is connected to the positive terminal on the LiPo Battery. When fully charged, the battery voltage should be above 4V. It operates at 3.6-4.2V. Below 3.6V is a low battery and should be charged. |

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| **TP2** | Net Label: | VCC |  |
| Measurement: | ~5.0 Volts |
| Comment: | Boosted supply voltage to the board BEFORE the ON/OFF switch |

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| **TP3** | Net Label | +5V |  |
| Measurement: | ~0.0 volts with switch turned OFF  ~5.0 Volts with switch turned ON (same as TP2) |
| Comment: | With switch turned ON, +5V supply here. ~0.0 volts with switch turned OFF |

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| **TP4** | Net Label | AVS |  |
| Measurement: | ~0.0 Volts when monitor not active  ~ 5.0 Volts when monitor is active |
| Comment: | Analog Front End voltage supply. This is supplied only after the pushbutton on the front panel has been pressed and the monitor becomes active. |

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| **TP5** | Net Label | VCARRIER |  |
| Measurement: | ~5.0 Volts Pk-Pk  ~ 30 KHz +/- 10% |
| Comment: | Carrier signal for impedance pneumography. Patient electrode #1 |

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| **TP6** | Net Label | VREF |  |
| Measurement: | ~2.5 Volts |
| Comment: | Reference for analog front end. Patient Electrode #4 |

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| **TP7** | Net Label | GAINFBK |  |
| Measurement: | ~ 30 KHz +/- 10% (same frequency as TP5) |
| Comment: | This signal may only be present if the electrode belt is plugged in and currently being worn by a patient. The voltage amplitude will vary from patient to patient. |

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| **TP8** | Net Label | VRIGHT |  |
| Measurement: | ~ 30 KHz +/- 10% (same frequency as TP5) |
| Comment: | This signal may only be present if the electrode belt is plugged in and currently being worn by a patient. The voltage amplitude will vary from patient to patient. |

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| **TP9** | Net Label | VLEFT |  |
| Measurement: | ~ 30 KHz |
| Comment: | This signal may only be present if the electrode belt is plugged in and currently being worn by a patient. The voltage amplitude will vary from patient to patient. |

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| **TP10** | Net Label | VSIG |  |
| Measurement: | 0.0 – 5.0 Volts |
| Comment: | This is the signal of interest measured by the ADC on the Microcontroller |
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