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Cables:
1-7, 40: 10MHz RF Reference
9-17, 41: Ethernet
8: TM-LRU Tx Modem Timing Loopback

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The diagram illustrates the test setup for the 5G NR system, showing the interconnections between various components. The components and their connections are as follows:

- Signal Generator 10MHz Reference** (1) connects to a **Splitter**.
- The **Splitter** has multiple outputs:
 - (2) to **Comtech SLMS650A Tx Modem**
 - (3) to **PTSFD TM-LRU Tx Modem**
 - (4) to **Comtech SLMS650A Rx Modem**
 - (5) to **PTSFD TM-LRU Rx Modem**
 - (6) to the **Ethernet Switch**
 - (7) to the **System Controller (BMUP)**
- Control & Data/Video Server** (9) connects to the **System Controller (BMUP)**.
- Modem Control PC** (10) connects to the **Ethernet Switch**.
- The **Ethernet Switch** connects to:
 - (11) the **System Controller (BMUP)**
 - (12) the **BERT**
 - (13) the **Beacon Receiver**
 - (14) the **Comtech SLMS650A Tx Modem**
 - (15) the **PTSFD TM-LRU Tx Modem**
 - (16) the **Comtech SLMS650A Rx Modem**
 - (17) the **PTSFD TM-LRU Rx Modem**
 - (18) the **Tx IF Manual Toggle Switch**
 - (19) the **Rx IF Manual Toggle Switch**
 - (20) the **20dB Directional Coupler**
 - (21) the **Comtech SLMS650A Rx Modem**
 - (22) the **PTSFD TM-LRU Rx Modem**
- The **System Controller (BMUP)** (11) connects to the **Ethernet Switch**.
- The **BERT** (12) connects to the **Ethernet Switch**.
- The **Beacon Receiver** (13) connects to the **Ethernet Switch**.
- The **Comtech SLMS650A Tx Modem** (14) connects to the **Ethernet Switch**.
- The **PTSFD TM-LRU Tx Modem** (15) connects to the **Ethernet Switch**.
- The **Comtech SLMS650A Rx Modem** (16) connects to the **Ethernet Switch**.
- The **PTSFD TM-LRU Rx Modem** (17) connects to the **Ethernet Switch**.
- The **Tx IF Manual Toggle Switch** (18) connects to the **Ethernet Switch**.
- The **Rx IF Manual Toggle Switch** (19) connects to the **Ethernet Switch**.
- The **20dB Directional Coupler** (20) connects to the **Ethernet Switch**.
- The **Comtech SLMS650A Rx Modem** (21) connects to the **Ethernet Switch**.
- The **PTSFD TM-LRU Rx Modem** (22) connects to the **Ethernet Switch**.
- The **Timing Loopback** (8) connects between the **Comtech SLMS650A Tx Modem** and the **PTSFD TM-LRU Tx Modem**.

