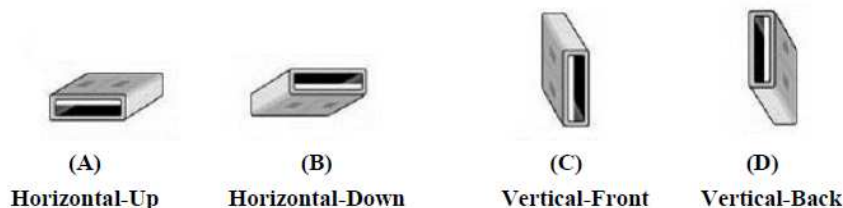**Confirmation of equipment Set Up for SAR Testing - PKTUSBSTKADT**

The EUT was tested in the following operating mode(s):

- TDCDMA Data allocated mode using test harness Software with 6 Uplink and 9 Downlink and duty cycle of 40%.

- Commercial test equipment is not available to support TD-CDMA user devices. The USB Stick modem is compliant at the physical layer but not 100% compliant in the MAC layer due to additional enhancements to optimise the use of shared channels. Therefore to support the required testing, a support application known as "test harness" was used to configure the device into representative operating configurations. This is an open ended configuration that does not require the device to communicate with a network or simulator. This software allows the device to be controlled over the USB interface and the software allows access and control over the internal operation of the modem.

The test harness software does not setup up a loopback and is completely stand-alone in operation; the software uses pre-configured test scripts to configure the device under test into the required test configurations.

- All modulation types (QPSK, 16QAM and 64QAM) were evaluated on both Low and High chip rate.

- All orientations (Horizontal-Down, Horizontal-Up, Vertical-Front, Vertical-Back and Top or Tip) were evaluated in the low, middle and high channels for Low chip rate (CH: 12494, CH: 12965 & CH 13436) and High chip rate (CH: 12507, CH: 12965 & CH: 13420). The 'top or tip' of the dongle was evaluated as the antenna is located at the upper section of the dongle.

- All measurements were performed at 5mm separation from the 'SAM' phantom flat section.

- Below are the configuration covered as per KDB 47498 D02 SAR Procedures for Dongle Xmtr v02. Appendix 4 shows the EUT setup in these configurations.

| (A) | (B) | (C) | (D) |
| Horizontal-Up | Horizontal-Down | Vertical-Front | Vertical-Back |

Note: These are USB connector orientations on laptop computers; USB dongles have the reverse configuration for plugging into the corresponding laptop computers.

USB Connector Orientations Implemented on Laptop Computers

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