



MCM-4e Tune-up procedure

GS-06-1155

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1.0 Purpose

This document describes the procedure to tune-up the MCM-4e and the remote antenna equipment to ensure that the output power of the remote antenna is ensured to be below the level of the specified peak output power.

2.0 Tune-up Procedure

Figure 1 shows the high level block diagram of the MCM-4e and Remote antenna configuration. Figure 2 shows the block and level diagram of the transmit section of the remote antenna. Figure 3 shows the detail schematics of the remote antenna. Following steps describe the procedure to tune-up the remote antenna equipment to ensure that the output power of the remote antenna does not exceed the peak specified output power of 32.5 dBm:

1. Inject 20.7 dBm CDMA signal at 1610.73 MHz generated by a signal generator at the Tx In port of the remote antenna.
2. Measure the output power at the Tx out port (at the output of ATT1 as shown in Figure 3).
3. If the output power measured by the power meter exceeds 32.5 dBm, then adjust ATT1 till the output power is less than 32.5 dBm.

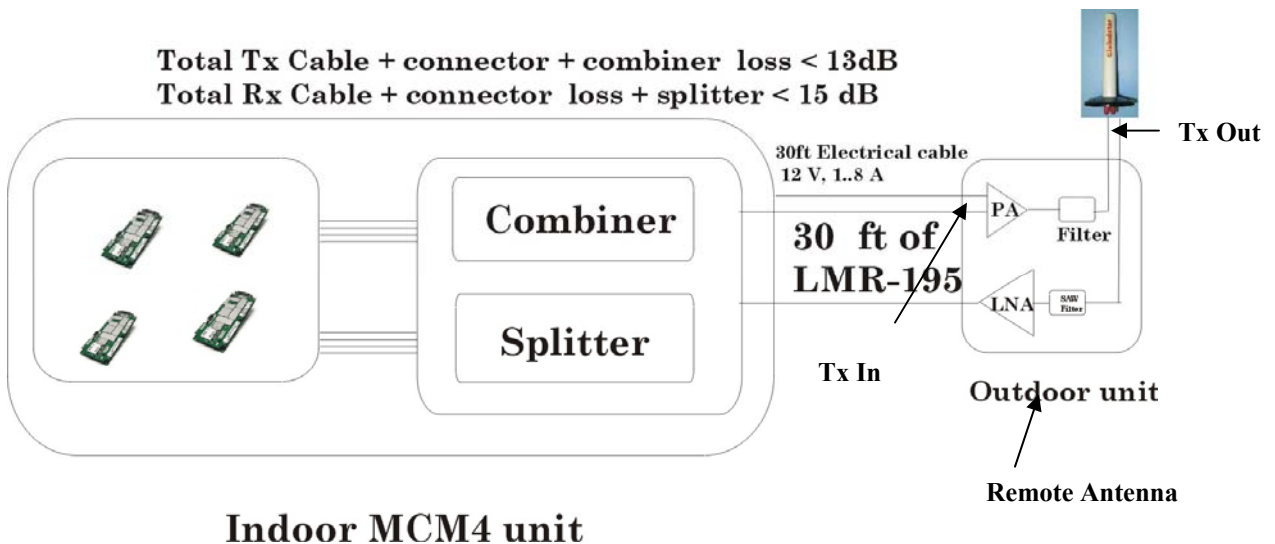
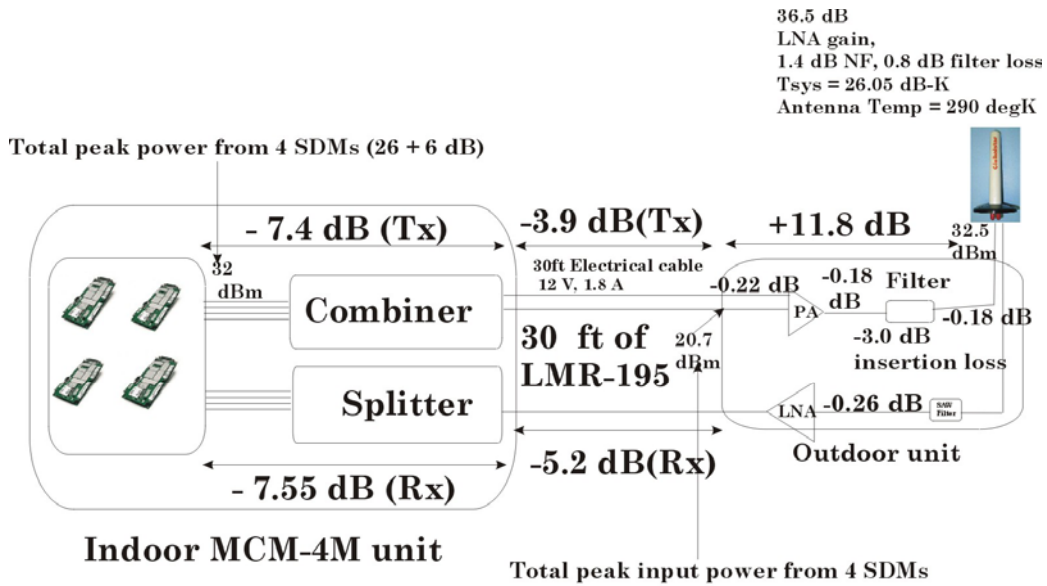


Figure 1 High Level Block diagram of MCM-4e configuration



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Figure 2 Block and level diagram of the transmit section of the remote antenna

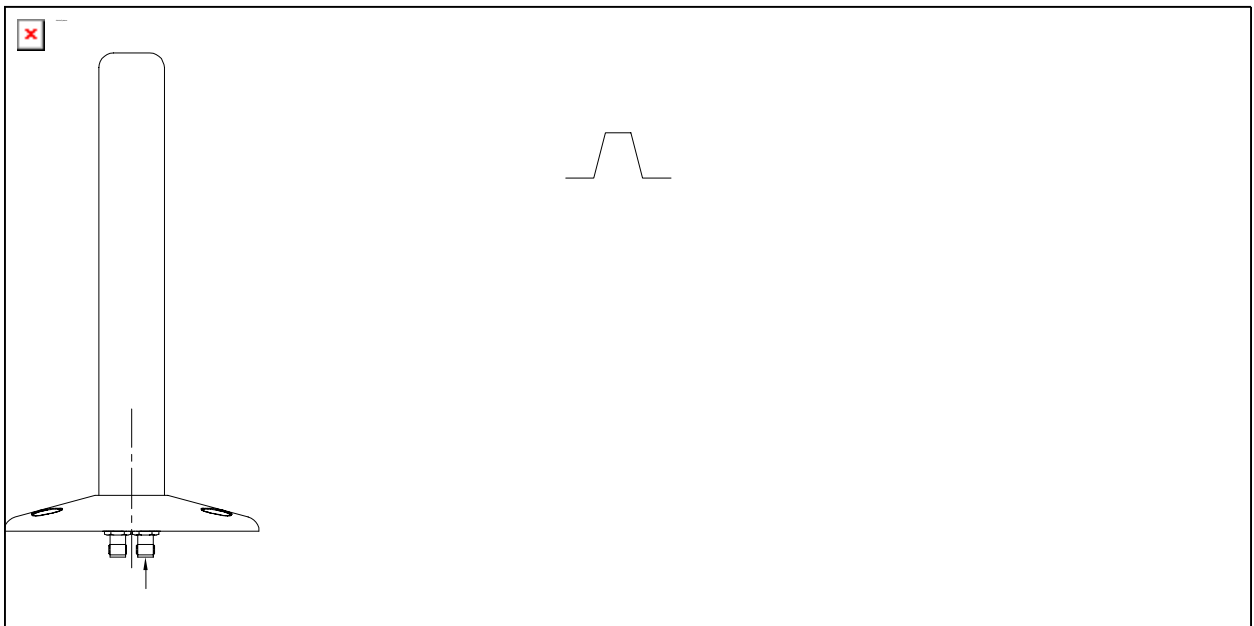


Figure 3 Schematics of Remote antenna for MCM-4e