

**Exhibit 15:**

**Section 2.1051**

**Spurious Emissions at Antenna Terminals**

Spurious Emissions at the antenna terminals were investigated over the frequency range of 10 MHz to beyond the 10th harmonic of the carrier frequency. The RF output from the transmitter was reduced (to an amplitude usable by the spectrum analyzer) by using an attenuator and RF path calibrated over the 10 MHz-20 GHz range. The RF power level was measured prior, during and post test via the test setup in Figure 15A. Measurements were made using a Rohde & Schwarz ESMI EMI Test Receiver, a PC based computer test controller, calibrated test hardware and a TILE™ software program to acquire the test data. This system allows measurement and presentation of the data in an accurate and compact form for FCC review. The volume of collected data is greater than 2x10<sup>5</sup> data points over the frequency range of 10 MHz to 20 GHz.

The required emission limitation specified in Section 24.238 of the Code was applied to these tests. Based upon the criterion given in Section 24.238 of the Code and as developed in Exhibit 14, the required emission limit is -13 dBm when measured with a resolution bandwidth of 1 MHz. The measurements of the spurious signals were made using a resolution bandwidth of 1 MHz. All spurious and harmonics of the CDMA Carrier was also shown to be lower than -13 dBm limit.

The carrier signal shown on these plots is the sum of measurements at resolution Bandwidths of 30 kHz, 120 kHz and 3 MHz. This was done so that the carrier plot correctly and accurately depicts the carrier output power in relation to the spurious signals and the defined limit.

The applied signal met the recommended characteristics per ANSI J-STD-008 section 3.1.4 as defined below.

Type	Number of Channels	Fraction of Power (Linear)	Fraction of Power (dB)	Comments
Pilot	1	0.1490	-8.3	Walsh 0
Sync	1	0.015/p	-18.3	Walsh 32, always 1/8 rate
Paging	1	0.054	-12.7	Walsh 1, full rate only
Traffic	6	0.13 each	-8.8 each	Variable Walsh Assignments, full rate only

**TABLE 15.1 Base Station Test Model, Nominal**

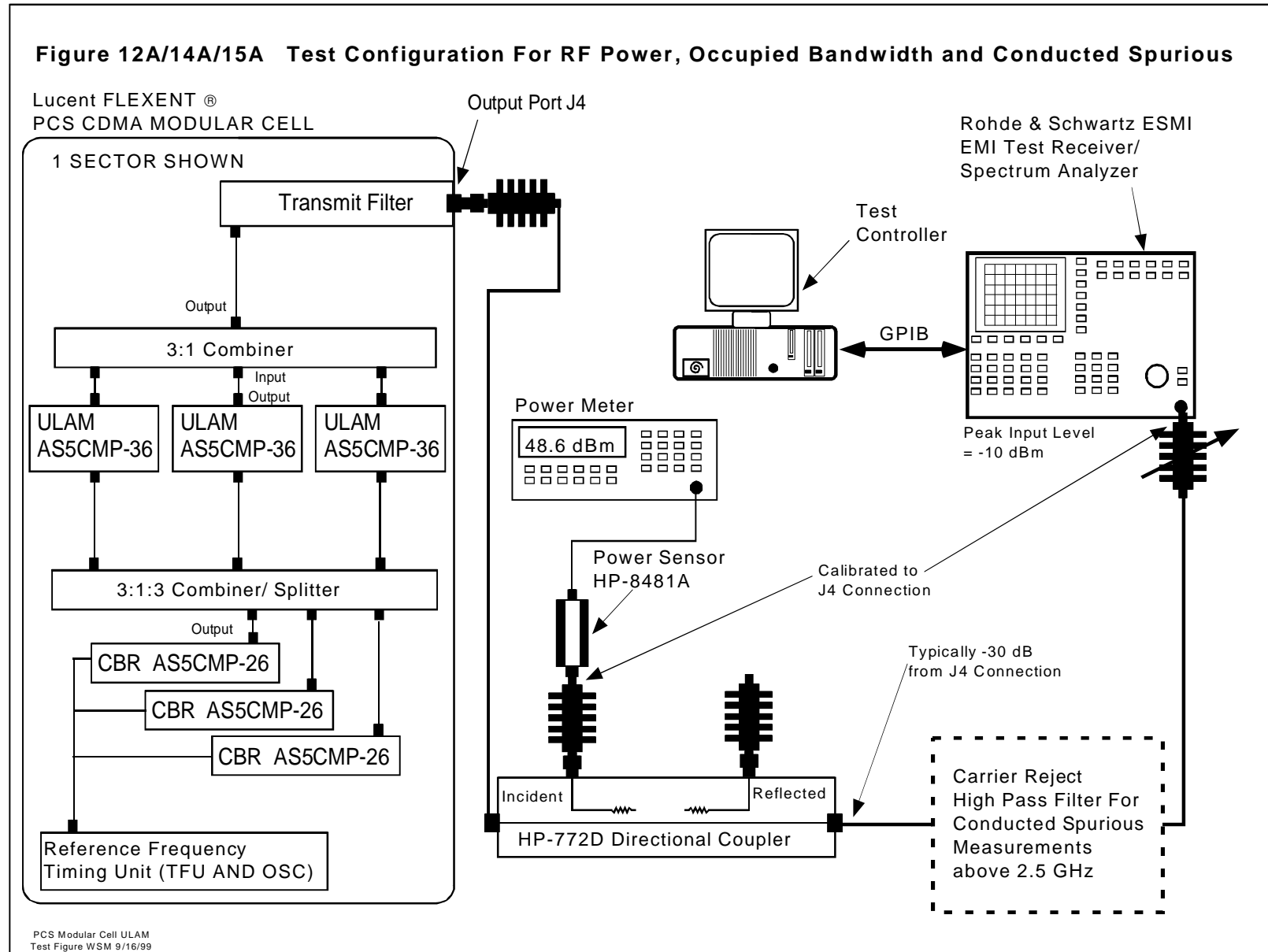
**Test Results Summary:**

Measurements were performed while transmitting at the upper and lower channels in each PCS Block tested. Measurement were additionally performed for the single, dual and three carrier **ULAM / MCA** transmit configurations at each Block Edge.

The attached spectral plots documents the **ULAM's** compliance. The performance charts show that there are no harmonics or spurious emissions above the applicable limit of -13 dBm. The attached data plots document the results for single, dual and three carrier **ULAM / MCA** test configurations.

Conducted Spurious tests on the Receiver antenna terminal additionally documented compliance with the 2 nW requirement of 47CFR Part 15 section 15.111.

Exhibit 15 continued



PCS Modular Cell ULAM  
Test Figure WSM 9/16/99