

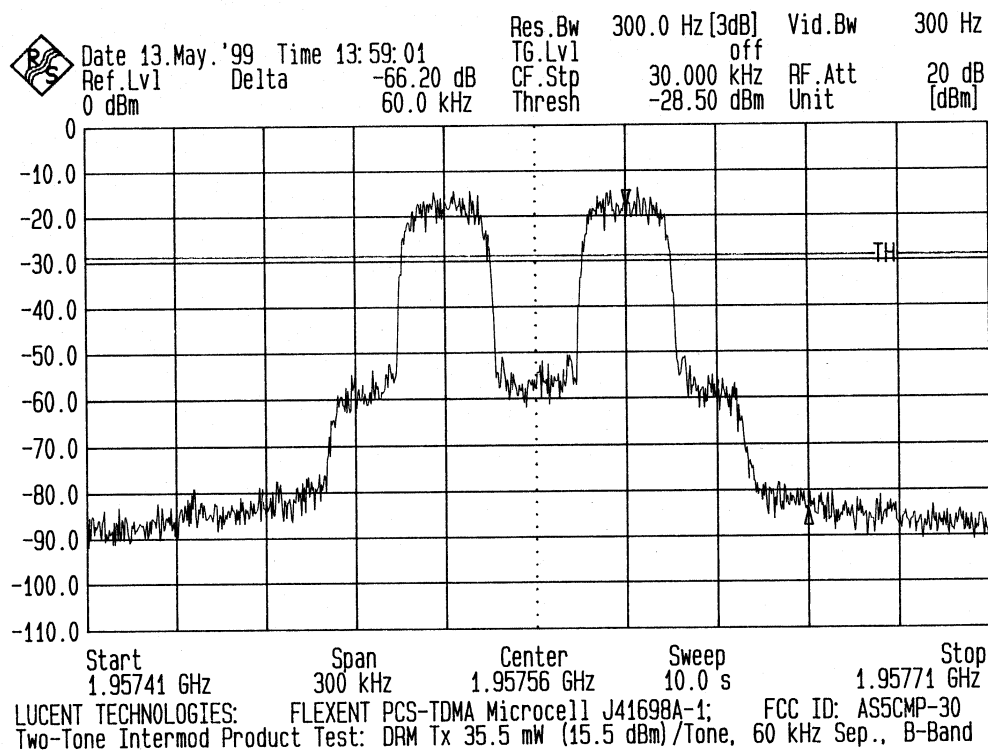
EXHIBIT 20

Special Test: Measurements Required: Two-Tone Intermodulation Product Suppression

The two-tone intermodulation product test is typically a test of the linearity of an amplifier circuit. Since the PCS-TDMA Dual Radio Module (PDRM), 44WR53, is able to transmit two independently controlled and tuned carriers, it is appropriate to demonstrate that they do not generate intermodulation products. The intermod limitation is determined from $43 + 10 \log (\text{Power in Watts})$ attenuation below the carrier. Measurement was made at the PDRM output terminal from the backplane with both carriers equally set to approximately +15.5 dBm (35.5 mW) each; the required attenuation is then 28.5 dBc. The tests were performed with the 2 carriers tuned to mid B-Block, first with 60 kHz separation and then with 600 kHz separation. The test procedure was the same as used for the occupied bandwidth measurement.

RESULTS:

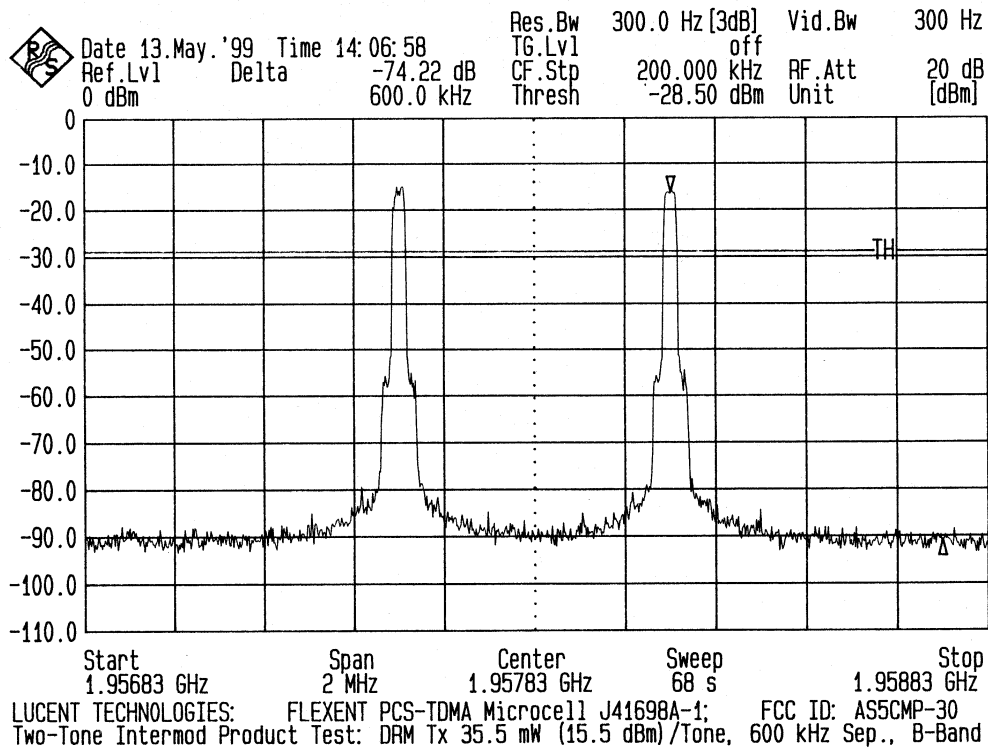
The 2 data plots attached show no intermodulation products. The PDRM is in full compliance.



Two tones with 60 kHz separation: Channel 917, 1957.53 MHz and Channel 919, 1957.59 MHz
 PCS-TDMA Dual Radio Module output power: +15.5 dBm (35.5 mW) per carrier.

EXHIBIT 20

Special Test: Measurements Required: Two-Tone Intermodulation Product Suppression



Two tones with 600 kHz separation: Channel 917, 1957.53 MHz and Channel 937, 1958.13 MHz
PCS-TDMA Dual Radio Module output power: +15.5 dBm (35.5 mW) per carrier.