

Please refer to page 2 of the tune-up procedure. The application expects that the tolerance is  $\pm 1$  dB of MPR target value. All the measured MPR values are within this range.

|                | Band            | WCDMA V |       |       | WCDMA II |       |        |
|----------------|-----------------|---------|-------|-------|----------|-------|--------|
|                | Channel         | 4132    | 4182  | 4233  | 9262     | 9400  | 9538   |
|                | Rx Channel      | 4357    | 4407  | 4458  | 9662     | 9800  | 9938   |
|                | Frequency       | 826.4   | 836.4 | 846.6 | 1852.4   | 1880  | 1907.6 |
|                | RMC 12.2K       | 22.32   | 22.51 | 22.65 | 22.80    | 23.56 | 22.93  |
| $\beta(2/15)$  | HSDPA Subtest-1 | 22.21   | 22.46 | 22.54 | 22.66    | 23.36 | 22.83  |
| $\beta(12/15)$ | HSDPA Subtest-2 | 21.96   | 22.27 | 22.33 | 22.52    | 23.15 | 22.68  |
| $\beta(15/8)$  | HSDPA Subtest-3 | 21.54   | 21.70 | 21.85 | 22.18    | 22.57 | 22.05  |
| $\beta(15/4)$  | HSDPA Subtest-4 | 21.45   | 21.64 | 21.86 | 22.13    | 22.53 | 21.94  |
| $\beta(11/15)$ | HSUPA Subtest-1 | 21.51   | 22.10 | 22.14 | 22.28    | 22.79 | 22.41  |
| $\beta(6/15)$  | HSUPA Subtest-2 | 19.82   | 20.33 | 20.63 | 20.95    | 21.35 | 20.24  |
| $\beta(15/9)$  | HSUPA Subtest-3 | 20.75   | 20.49 | 20.92 | 21.06    | 21.43 | 21.00  |
| $\beta(2/15)$  | HSUPA Subtest-4 | 20.62   | 20.47 | 20.73 | 20.80    | 21.57 | 20.75  |
| $\beta(15/15)$ | HSUPA Subtest-5 | 21.88   | 22.00 | 21.60 | 21.75    | 22.56 | 22.11  |
| MPR            |                 |         |       |       |          |       |        |
| 0              | HSDPA Subtest-1 | -0.25   | -0.19 | -0.21 | -0.14    | -0.21 | -0.15  |
| 0              | HSDPA Subtest-2 | 0.00    | 0.00  | 0.00  | 0.00     | 0.00  | 0.00   |
| 0.5            | HSDPA Subtest-3 | 0.42    | 0.57  | 0.48  | 0.34     | 0.58  | 0.63   |
| 0.5            | HSDPA Subtest-4 | 0.51    | 0.63  | 0.47  | 0.39     | 0.62  | 0.74   |
| 0              | HSUPA Subtest-1 | 0.45    | 0.17  | 0.19  | 0.24     | 0.36  | 0.27   |
| 2              | HSUPA Subtest-2 | 2.14    | 1.94  | 1.70  | 1.57     | 1.80  | 2.44   |
| 1              | HSUPA Subtest-3 | 1.21    | 1.78  | 1.41  | 1.46     | 1.72  | 1.68   |
| 2              | HSUPA Subtest-4 | 1.34    | 1.80  | 1.60  | 1.72     | 1.58  | 1.93   |
| 0              | HSUPA Subtest-5 | 0.08    | 0.27  | 0.73  | 0.77     | 0.59  | 0.57   |

For HSUPA, the following table lists the MPR target values:

| HSPA MPR Targets  |                            |                           |
|-------------------|----------------------------|---------------------------|
| HSUPA 3GPP Subset | Band II MPR Target<br>(dB) | Band V MPR Target<br>(dB) |
| 1                 | 0                          | 0                         |
| 2                 | 2                          | 2                         |
| 3                 | 1                          | 1                         |
| 4                 | 2                          | 2                         |
| 5                 | 0                          | 0                         |

When evaluating HSPA power reduction, HSPA transmit power measurements should be referenced to HSDPA subtest 2 (CM=1, MPR=0) per Note 2 of TS 3GPP 34.121 Table C.11.1.3.

Based on the hardware characteristics and HSUPA measurement error inherent in the 34.121 procedure, ASUSTek COMPUTER INC. expects HSUPA transmit power result to be within +/-1.0 dB of the expected MPR target values