

We test 802.11b CH11 for SISO mode with antenna-0 transmitting on top side, and got the 1.21 W/kg of SAR. Please refer to the SAR summary table in below. We found that SAR value on CH11 is obviously larger than CH6, and the SAR on MIMO mode was mainly contributed by Ant-0. When we does not test CH11 on SISO Ant-0 mode, that is a reason why SAR result on SISO and MIMO is quite different while two antennas are quite separate.

| Band    | Test Position | Ch. | Tx Antenna | Max. Tune-up Power (dBm) | Measured Conducted Power (dBm) | Scaling Factor | Power Drift (dB) | Measured SAR-1g (W/kg) |
|---------|---------------|-----|------------|--------------------------|--------------------------------|----------------|------------------|------------------------|
| 802.11b | Rear Face     | 6   | 0          | 13.0                     | 12.88                          | 1.03           | 0.12             | 0.421                  |
| 802.11b | Top Side      | 6   | 0          | 13.0                     | 12.88                          | 1.03           | 0.07             | 0.766                  |
| 802.11b | Top Side      | 11  | 0          | 13.0                     | 12.34                          | 1.16           | 0.05             | 1.21                   |
| 802.11b | Rear Face     | 11  | 1          | 13.0                     | 12.58                          | 1.10           | 0.11             | 0.668                  |
| 802.11b | Top Side      | 11  | 1          | 13.0                     | 12.58                          | 1.10           | 0.09             | 0.559                  |
| 802.11b | Rear Face     | 6   | 0+1        | Ant0: 13.0               | Ant0: 12.20                    | Ant0: 1.20     | 0.11             | Ant0: 0.528            |
| 802.11b | Top Side      | 6   | 0+1        | Ant0: 13.0               | Ant0: 12.20                    | Ant0: 1.20     | -0.04            | Ant0: 0.756            |
| 802.11b | Top Side      | 1   | 0+1        | Ant0: 13.0               | Ant0: 11.80                    | Ant0: 1.32     | 0.17             | Ant0: 0.565            |
| 802.11b | Top Side      | 11  | 0+1        | Ant0: 13.0               | Ant0: 12.18                    | Ant0: 1.21     | 0.17             | Ant0: 1.15             |

#### <SAR Plot for 802.11b CH11 Ant0 Tx on top side>

