



EMC Technologies Pty Ltd
ABN 82 057 105 549
57 Assembly Drive
Tullamarine Victoria Australia 3043

Ph: + 613 9335 3333
Fax: + 613 9338 9260
email: melb@emctech.com.au

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Subject: Response to TCB Queries

Q1. *Has SAR testing been repeated for different modulation schemes within DSSS (namely DBPSK, DQPSK, CCK)? What were the differences observed?*

The WLAN modules can be configured in a number of different data rates corresponding to DBPSK, DQPSK, and CCK etc. A number of measurements were made in various data rates to determine the highest average conducted power. It was found that the highest source based time averaged power was measured when using a 1Mbps data rate. This data rate was used in all of the SAR testing to ensure a conservative result. The results of the conducted power measurements are listed below.

CH#	Frequency (MHz)	Data Rate			
		1Mbps	2Mbps	5.5Mbps	11Mbps
1	2412	20.9 mW	20.3 mW	20.2 mW	19.7 mW
6	2437	17.3 mW	16.8 mW	16.8 mW	16.8 mW
11	2462	14.1 mW	14.0 mW	14.0 mW	13.8 mW