



Appendix G - WLAN Test Mode

For WLAN link mode. Engineering testing software installed on the EUT can provide continuous transmitting RF signal. This RF signal utilized in SAR measurement has almost 100% duty cycle and its crest factor is 1. The measurements were performed on the lowest, middle, and highest channel, i.e. channel 1, channel 6, and channel 11 for each testing position.

The data rates for WLAN SAR testing were set in 1Mbps for 802.11b and 9Mbps for 802.11g due to the highest RF output power. Power Table of 802.11b/g as below:

<802.11b>

Channel	Frequency (MHz)	Data Rate			
		1 Mbps	2 Mbps	5.5 Mbps	11 Mbps
CH 01	2412 MHz	17.31	17.04	17.30	17.23
CH 06	2437 MHz	17.35	17.18	17.21	16.92
CH 11	2462 MHz	16.39	16.25	16.37	16.04

<802.11g>

Channel	Frequency (MHz)	Data Rate							
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps
CH 01	2412 MHz	20.23	20.97	20.33	20.71	20.56	20.94	20.81	20.73
CH 06	2437 MHz	20.19	21.20	20.73	20.61	20.49	20.79	20.71	20.67
CH 11	2462 MHz	19.38	19.84	19.46	19.61	19.54	19.80	20.02	19.67

Reference:

- [1.] SAR Measurement Procedures for 802.11 a/b/g Transmitters, May 2007, Laboratory Division Office of Engineering and Technology Federal Communications Commission