The statement of WLAN test for one touch 983A

The average conducted power for Wi-Fi is as following:

802.11b（dBm）

Channel\data rate	1Mbps	2Mbps	5.5Mbps	11Mbps
1	15.97	15.93	15.99	15.71
6	15.83	15.81	15.86	15.64
11	15.93	15.92	15.96	15.69

802.11g（dBm）

Channel\data rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
1	12.66	12.41	12.01	11.78	11.69	11.38	11.00	10.87
6	12.57	12.46	12.31	12.07	11.91	11.41	11.08	10.93
11	12.62	12.51	12.41	12.19	11.99	11.48	11.15	11.11

20M 802.11n（dBm）

Channel\data rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
1	10.49	10.19	9.96	9.78	9.43	9.05	8.93	8.73
6	10.47	10.18	9.98	9.76	9.35	8.98	8.96	8.70
11	10.54	10.21	10.09	9.88	9.41	9.09	8.97	8.86

According to the KDB248227, the last paragraph in page 4, “SAR is not required for 802.11g channels when the maximum average output power is less than 1/4 dB higher than that measured on the corresponding 802.11b channel.” We should test the WLAN for 802.11b.

According to the KDB248227, the last paragraph in page 6, “For each frequency band, testing at higher data rates and higher order modulations is not required when the maximum average output power for each of these configurations is less than 1/4 dB higher than those measured at the lowers data rate.” We should test the WLAN for 802.11b-1Mbps.

The maximum power of WLAN appears in 802.11b-5.5Mbps, but it is less than 1/4 dB higher than the power of 802.11b-1Mbps. So the WLAN in 802.11b-5.5Mbps is not required.