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Dear Mr. Dayhoff,

You are absolutely right on your understanding for the measurement of Peak Output Power. We have noticed this point from the first RLAN testing case. In our experience, there is, maximum, only 3dB difference on the output power measurement between 1MHz and 3MHz resolution bandwidth setting. And less than 1dB difference between spectrum analyzer with 3MHz RB setting and power meter. So, normally if the measured result on the spectrum analyzer with 1MHz RB is smaller than 15dBm, then we won't use power meter for that measurement because the limit is 30dBm which we think is not possible to over. Anyway, for your request, we follow your idea to measure the output power again by power meter. The following table is the test result.

Channel	Measured Power
1	14.1 dBm (25.7 mW)
6	14.2 dBm 26.3 mW)
11	13.8 dBm (23.9 mW)

As you can see the difference with the 1MHz RB measurement is smaller than 3dB. The maximum allowance distance in RF exposure testing has only 0.1~0.2 cm difference.

(Reference: ADT2000-F003 - R. Mullen / S&CC / August 15, 2000)