Helen Zhao

Subject: FW: PCTP-05-F008: FCC ID: ACJ96NBL-WV10 / CCS Assessment No.: AN05T4760 / Notice #1

AverageFun.ppt

From: Mullen, Richard
Sent: Thursday, May 12, 2005 7:33 AM
To: Helen Zhao
Subject: PCTP-05-F008: FCC ID: ACJ96NBL-WV10 / CCS Assessment No.: AN05T4760 / Notice #1

Dear Helen,

Please note below answers to your questions:

Question #1:
Test Report - Max. Peak Output Power The spectrum plots indicate PAvg, which means the output power was measured with max. transmit power averaged across all symbols, as defined in FCC15.247(b)(3). Such measurement procedure is same as UNII output power measurement procedures. Please clearly indicate which method that you use and provide the test procedures.

Based upon FCC15.247(d), "If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB." So if the output power is measured based upon 15.247(b)(3), please demonstrate compliance by applying new limits(30dBc).

UL-Apex Answer:
The maximum peak power is measured with integrating power of 40MHz band during '1R' and '1' as shown in Page 27(Channel Power function of SA) after we got data in screen with the max. hold trace.

UL-Apex Answer: We do not use RMS average.

(TCB) Then please explain why PAvg showed up on the plots. Please explain in what situation PAvg will show on the plot, in what situation Pk will show on the plot.

UL-Apex Answer:
PAvg is always displayed. The number of average will be displayed under PAvg if PAvg would be enable.
Please refer figure 1 and 2 of attached file.

Best regards,
Richard Mullen / Panasonic