To: Stan Lyles
Stanley.Lyles@fcc.gov
FCC Application Processing Branch

From: Jaap Schuurmans TNO EPS BV
schuurmans@eps.tno.nl

From: Stan Lyles
Stanley.Lyles@fcc.gov
FCC Application Processing Branch

Re: FCC ID RGS39200CB
Applicant: Conexant Systems B.V.
Correspondence Reference Number: 26775
731 Confirmation Number: EA535003

Dear Mr Lyles, please find my answers to your questions related to the filing referenced above below.

A) Regarding your answer to question 1 of correspondence 26757, please resubmit SAR contour plots for both frequency bands. Provided plot should
cover the entire card not just the antenna protruding from the computer.

Answer A) Please find requested contour plot below (for 5 GHz and 2.4 GHz) :

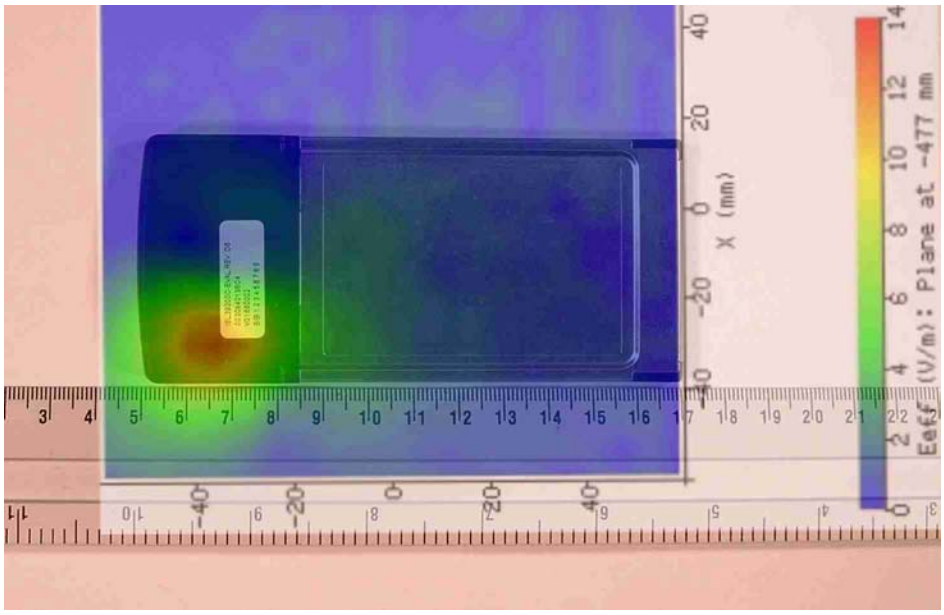

Figure 1 5GHz contour plot

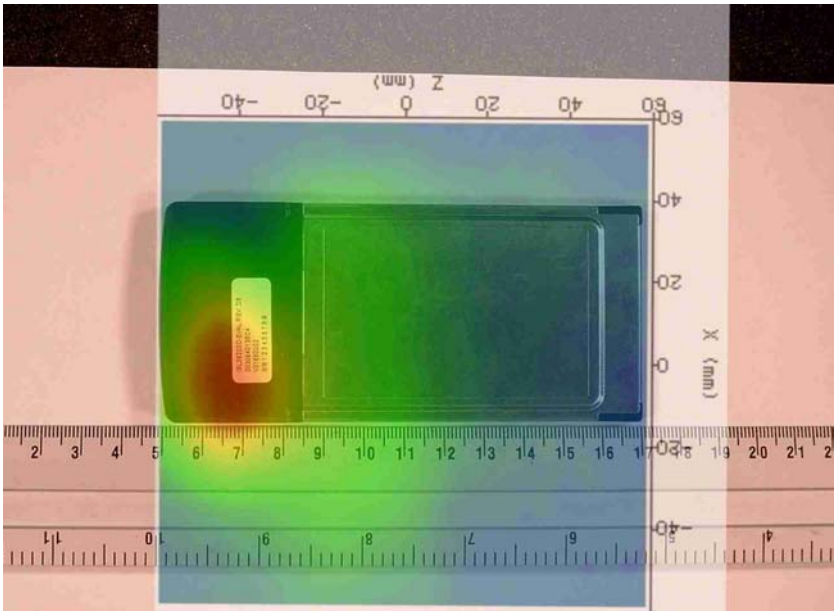

Figure 2: 2G4 contour plot (channel 6)

B) Regarding your answer to question 2 of correspondence 26757, please readdress. The concern is not the lower SAR but the difference between the
two reports for apparently the same configuration.

Assuming you are referring to the difference in SAR measured in lapheld condition at channel 140 (5700 MHz) and channel 149 (5745 MHz).
Possible causes for differences measured:

- difference in antenna behaviour between the 2 channels
- spacing of the EUT (differences between the labs). Normally when a measurement is done, the EUT is not touched when switching channels, but this time it is. Spacing is a critical issue.
- Differences in the labs. Ultratechs system validation shows they measure 13 % above their target value. From our own system validations at 5745 MHz we are usually 5-7% below target.
- difference in antenna behaviour between the 2 channels
  the antenna has a minimum gain around 5700 MHz, see table below, wich are data obtained from the applicant. (see table below)

All this may explain lower value measured at 5700 MHz as compared to 5745 MHz.

Antenna	Total Average Gain [dBi]								
	2400	2450	2500	4850	5050	5250	5450	5650	5850
Antenna (1)	-2.2	-1.8	-1.7	-1.4	-2.0	-2.0	-1.8	-2.4	-1.7
Antenna (2)	-2.4	-2.2	-2.0	-1.0	-1.8	-1.5	-1.4	-1.8	-1.3
Antenna (1)+(2)	-0.9	-0.4	-0.2	0.4	-0.4	-0.1	0.2	-0.2	0.2