Correspondence Summary
Questions and Answers

09/30/2003

SUBJECT: VERTU LTD. - FCC ID: P7QRHV-1

TCB questions:

1. Internal photos – Exhibit 3: Please, provide photos with the shielding cans removed. Alternatively, please, provide Gerber files showing PCB layout including silkscreen, components placement and reference designators, etc.
2. Part 2.1033(c)(8): The information required under this section were not provided in the test report, neither in the user's manual. Please, submit such data.
3. Part 24.238 – Band-edges: Please, provide an additional plot with a RBW=VBW=1MHz to show how the reference level was set for compliance with the limit of –13dBm. The plots provided show a limit at –49dBm. Please, add an explanation in the test report.
4. The issue was for the Radiated power EIRP reported and not the conducted power: EMC test report lists 25dBmEIRP and SAR report approximately 30dBm EIRP. The conducted output power levels were Ok. Please, revise the EMC test report as to harmonize the power levels reported.

Previous question:

4. SAR report section 7.1 and 7.2: The EIRP levels listed differ from the values reported in the Part 24E test report. Powers in SAR report must agree with EMC report. Please, revise accordingly.

Applicant answers:

1) Attached please find photos with shield cans removed and Gerber files etc. As requested by the applicant, the silk screen and layout are to be considered confidential.

2) Collector voltage = 3.6 vdc
Collector current = 0.278 amp

3) (a) Attached please find plot RBW = VBW = 1 MHz for setting of reference level.

(b) R.F Power Output = 30 dbm EIRP, measured
Losses = -31 db attenuator
-3 db adapter
-2 db cables/connectors
Total -36 db

Peak Reference level on Spectrum Analyzer = -6 dbm (30-36), therefore -13 dbm equals minus (30 + 13) = -43 db (EIRP) and -49 dbm represents -13 dbm.

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