

From: Denise Teng
Sent: Friday, December 21, 2001 2:00 PM
To: Mike Kuo
Cc: Steve Cheng; Scott Wang; CLIENT ADVOCATES
Subject: FW: SAMSUNG ELECTRONICS CO., LTD., FCC ID:A3LSGHN625, AN01T1696
Hi Mike,

Please see EUT photos in the attached files.

Here's the answers:

FCC Part 2/15/24:

- Q1: Please see FCC ID label in attached file.
- Q2: Typo error. Please see revised report in attached file.
- Q3: Thank you for changing the frequency range from 1850.2 - 1909.8 in TCB application form.
- Q4: Please see revised report in attached file.
- Q5: Inserted the signatures in the revised report. Please see attached file for revised report.
- Q6: Additional test is done. Please see the revised report in attached file.

SAR related:

Question #7: The separation distance used during body-worn operation is 6mm. However, the user manual indicated 15mm as RF Exposure separation distance between user and the body. Please provide additional test data at low, mid, and high channel with 15mm separation distance from the device to the flat phantom. CCS Answer: Please ignore the previous data. the L/M/H channels with 15mm measurement will be uploaded to TCB shortly.

Question #8: The highest measured SAR value during 6mm body-worn operation is 1.15mW/g. However, when the phone is directly contact with flat phantom, the highest reported SAR value is 0.65mW/g. Please explain why the closer distance showed less SAR value. CCS Answer: Please ignore the directly contact reading it is for engineering reference only. The reason for lower reading is that they had different setup. The contact setup had the EUT's front face touch the phantom, but the 6mm reading was with the back side of the EUT face phantom.

Question #9: Please provide SAR Vs Z-Axis plot for highest SAR value at each position. CCS Answer: Z-axis has been added into the revised report.

Question #10: In page 26 of test report, 1800MHz Body Tissue parameter was indicated. However, during the body-worn SAR test, it indicated 1900MHz Body parameter was used. Please explain.

CCS Answer: It is a typo, and actually 1800 and 1900 liquid has the exact parameter. We have corrected it in the new uploaded report.

Question #11: Please provide conducted output power measured before and after each SAR test.

CCS Answer: Conducted power has been added into the new uploaded report.

Question #12: Please explain why the conversion factor for head/5.929 and body/5.40 are different.

CCS Answer: Since each liquid has its own RF characteristic, when it interface with measuring probe it will show different reflection coefficient. To correct for this deviation the probe conversion factor has to be recalculated to account for it.

Question #13: Please provide the dimension of battery used during the tests.

CCS Answer: The battery dimension is 73mm (L) x 42mm (W) x 8.5mm (H)

Thanks!

regards,

Denise