

From: Keun-Ho Park (HCT) [khpark@hctec.co.kr]
Sent: Tuesday, July 30, 2002 9:00 PM
To: Mike Kuo(CCS)
Cc: KiSoo Kim(HCT); SCOTT WANG(CCS)
Subject: Fw: Request for additional information. (FCC ID: PP4TX-50C) - 1/6-

Dear Mr. Kuo,

How are you ?

According to your requests on the below questions, we'd like to send the answers on each questions under each question as follows;

If you have any questions or comments, please do not hesitate to contact us.

Best Regards,

KiSoo Kim - HCT

> > -----Original Message-----

> > From: CERTADM

> > Sent: Wednesday, July 17, 2002 8:43 PM

> > To: 'mkuo@ccsemc.com'

> > Subject: HYUNDAI CURITEL INC., FCC ID:PP4TX-50C, Assessment no:AN02T2109

> >

> >

> > Notice_content

> > -----

> > Part 22/24 Portion:

> >

> > Question #1: Page 21 of RF test report, the high channel listed is
> > 849.97MHz. Based upon the information provided, the highest frequency
> > should be 848.97MHz for AMPS mode, please confirm and make necessary
> > correction.

==> We've revised the frequency on page #21 in Section 7.1.4 of RF test report.
Please find the attached test report. (filename : ATT. C (RF REPORT).doc)

> >

> > SAR Portion:

> >

> > Question #2:Please be specific about liquid depth of liquid. Please include
> > the length unit after " 15" in the SAR report.

==> We've revised the liquid depth of liquid (15 cm) on page #17, 18, 19, 20,
21, 22, 23, 24
in Section 12.1~ 12.10 of SAR test report.

Please find the attached test report. (filename : ATT. N (SAR
REPORT).doc)

> >

> > Question #3: The conductivity of body tissue listed in page 22 and 23 as
> > 0.99. The conductivity value for 835MHz listed in page 12 is 0.98. Please
> > make necessary correction.

==> We've revised the conductivity value (0.98) in page #22, 23 in Section 12.8
/ 12.9 of SAR test report.

Please find the attached test report. (filename : ATT. N (SAR
REPORT).doc)

> >

> > Question #4: Dipole Validation plots for 1800MHz, the conversion factor in
> > accordance with calibration file should be 5.6 but 5.54 was used. However,
> > the SAR Vs Z plot shows 5.6 conversion factor. The system validation plots
> > for 1800MHz is powered with 250mw but SAR Vs Z for 1800MHz was powered with
> > 1 W. In addition, the tissue parameter are different. The same situation
> > for 835MHz plots and SAR Vs Z plot. Please explain.

==> We've revised the conversion factor (5.40 at 1900 MHz and 5.60 at 1800 MHz)
Please find the attached probe calibration data.

(filename : ATT. Q (DIPOLE VALIDATION).doc / ATT. R (PROBE CALIBRATION
DATA.doc)

> >

> > Question #5: AMPS/Right Head/Tile/Channel 991/Antenna out: the max. SAR are
> > outside your zoom scan. Please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. O (SAR TEST
PLOT).doc)

> >

> > Question #6: AMPS/Right Head/Tile/Channel 799/Antenna out: the max. SAR are
> > outside your zoom scan. Please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. O (SAR TEST
PLOT).doc)

> >

> > Question #7: PCS/Right Head/Tile/ Channel 25/Antenna In: the zoom scan are
> > outside the device, please redo the tests and submit the SAR plots.

==> We've retested .

Please find the attached test report. (filename : ATT. O (SAR TEST
PLOT).doc)

> >

> > Question #8: PCS/Right Head/Tile/ Channel 25/Antenna OUT: the zoom scan are
> > outside the device, please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #9: PCS/Right Head/Tile/ Channel 600/Antenna In: the zoom scan are
> > outside the device, please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #10:PCS/Right Head/Tile/ Channel 600/Antenna OUT: the zoom scan are
> > outside the device, please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #11: PCS/Right Head/Tile/ Channel 1175/Antenna In: the zoom scan
> > are outside the device, please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #12: PCS/Right Head/Tile/ Channel 1175/Antenna OUT: the zoom scan
> > are outside the device, please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #13: AMPS/Body/Channel 991/Antenna IN: Max. SAR value is outside
> > the Zoom scan. Please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #14: AMPS/Body/Channel 383/Antenna OUT: Max. SAR value is outside
> > the Zoom scan. Please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #15: AMPS/Body/Channel 799/Antenna OUT: Max. SAR value is outside
> > the Zoom scan. Please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #16: 22/CDMA/Body/Channel 1013/Antenna OUT: Max. SAR value is
> > outside the Zoom scan. Please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #17: 22/CDMA/Body/Channel 363/Antenna OUT: Max. SAR value is
> > outside the Zoom scan. Please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #18: 22/CDMA/Body/Channel 777/Antenna OUT: Max. SAR value is
> > outside the Zoom scan. Please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #19:PCS/CDMA/Body/Channel 25/Antenna IN: Max. SAR value is outside
> > the Zoom scan. Please redo the tests and submit the SAR plots

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #20:PCS/CDMA/Body/Channel 25/Antenna OUT: 1800 MHZ Body liquid was
> > used. Please make necessary correction.

==> We've revised the Body liquid parameter in the test data.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #21: PCS/CDMA/Body/Channel 600/Antenna IN: Max. SAR value is
> > outside the Zoom scan and 1800MHZ body liquid was used. Please redo the
> > tests and submit the SAR plots

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #22: PCS/CDMA/Body/Channel 1175/Antenna IN: Max. SAR value is
> > outside the Zoom scan and 1800MHZ body liquid was used. Please redo the
> > tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #23: PCS/CDMA/Body/Channel 1175/Antenna OUT: Max. SAR value is
> > outside the Zoom scan. Please redo the tests and submit the SAR plots.

==> We've retested.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Question #24: Please provide probe calibration file to support the
> > conversion factor for 1900MHZ/Body is 5.0 and 1900MHz/Head is 5.4.

==> We've revised the conversion factor (5.40 at 1900 MHz)

Please find the attached probe calibration data. (filename : ATT. R (PROBE CALIBRATION DATA.doc)

> > Question #25: Once again, the SAR Vs Z value did not reach zero.

==> We've revised the SAR Vs Z value of SAR test plot.

Please find the attached test report. (filename : ATT. 0 (SAR TEST PLOT).doc)

> >

> > Best Regards

> >

> > Mike Kuo / TCB Certifier

> > The items indicated above must be submitted before processing can continue
> > on the above referenced application. Failure to provide the requested
> > information within 60 days of the original e-mail date may result in
> > application dismissal and forfeiture of the filing fee. Also, please note
> > that partial responses increase processing time and should not be submitted.
> > Any questions about the content of this correspondence should be directed to
> > the e-mail address listed below the name of the sender.

> >

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