

Notice_content

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- > **Question #1:** Modifications were made during final compliance tests. Please
- > provide a cover letter signed by the applicant to acknowledge that all
- > modifications listed in this modification report will be incorporated into
- > each unit sold in the U.S..

> **Answer #1:** Please see attachment: Modification Letter.

- > **Question #2:** Section 6 of test report referred to 15.249 modification. This
- > is direct sequence spread spectrum which is subject to 15.247 requirement
- > not 15.249.

> **Answer #2:** Please see revised page (Attachment: Section 6).

- > **Question #3:** Since the handset is considered as portable transmitter. In
- > accordance with ANSI C63.4 section 13.1.4.1 procedure, handheld device shall
- > be investigated with three orthogonal axes. Through out the test report,
- > there is no place to indicate such procedure was followed.

> **Answer #3:** The all test were X orthogonal axis during testing.

- > **Question #4:** Radiated emission tests / 15.205/15.209 : the distance
- > correction factor is 0 dB for harmonics and spurious emission up to 24 GHz.
- > Apparently you were testing with 3 meter distance so there in no distance
- > correction factors were used. There are several harmonic emission are very
- > close to the limits. Please perform additional radiated emission tests for
- > second and third harmonics on low, middle and high channel for both handset
- > and base station at distance of 1 meter and apply distance correction
- > factor. Submit such data.

> **Answer #4:** Please see attachment: 1 M data.

- > **Question #5:** Output power: As indicated in the test report, the design goal
- > for base station is 15dBm. However, the measured conducted output for base
- > station has max. 5.62dBm. Please explain the differences.

> **Answer #5:** The design goal was wrong to show on the test report.

So, please see the revised page (Attachment: Output Power)

- > **Question #6:** Test data contain in Page 57 - 60 of test report can not be
- > read. Please provide a clear copy of test data.

> **Answer #6:** Please refer to renew pages (Attachment: Out Band Datas.).

- > **Question #7:** Processing gain section of test data can not be read. Please
- > provide a clear copy of processing gain information.

> **Answer #7:** Please refer to renew pages (Attachment: processing gain).

- > **Question #8:** The processing gain tests are performed by the manufacturer as
- > indicated in the test report. The model name used in this processing gain
- > is different than the model name documented in the test report. There is no
- > evidence to show that such processing gain test data were tested on the same
- > type of product for FCC compliance. Please provide / show information to
- > prove such processing gain tests were made on the identical to the one
- > subject to FCC compliance tests.
- > **Answer #8:** Please refer to renew pages (Attachment: processing gain).

- Question #9:** Please provide antenna conducted emission tests from 30MHz to
- > 10th harmonics when device tuned to low, middle and high frequency for both
 - > handset and base station. Submit spectrum plots.
 - > **Answer #9:** Please see the attachment: Antenna Conducted Emission.

- > **Question #10:** Indicate compliance with the field strength requirements in the
- > restricted band of 2483.5-2500 MHz with device operating on the highest
- > channel. Provide peak and average measurements. The conducted plots show
- > that the peak level should be at about 2483.5 MHz.
- > **Answer #10:** Please see the attachment: Antenna Conducted Emission.

- Question #11:** Proposed FCC ID label format does not contain information
- > required under 15.214 (c) of FCC rules. Please provide revised FCC ID
 - > label format.
 - > **Answer #11:** Please refer to attachment: FCC_IDLAB-Handset-U & FCC_IDLAB-Base-U.

- > **Question #12:** In accordance with 15.214 (a) of FCC rules, both base station
- > and handset need to be labeled with FCC ID with required information. The
- > proposed FCC ID label locating only indicates the ID label on the base
- > station, please also provide ID label location for handset.
- > **Answer #12:** Please refer to attachment: FCC_IDLAB-Handset-U & FCC_IDLAB-Base-U.

- > **Question #13:** As indicated in the block diagram, the design RF power for
- > base station and handset are 20dBm. However, in the test report indicates
- > the design power is 15dBm. Please explain.
- > **Answer #13:** Please refer to the revised block diagram. (Attachment: 2g4BS&HS-BLK-U)

- Question #14:** Request for confidentiality letter: request for
- > confidentiality must provide with a reason. In this letter, only schematic
 - > diagram is requested. However, the operational description is labeled with
 - > confidential wording. Is operational description file going to be one of
 - > confidential document ?
 - > **Answer #14:** Please see attachment: Confidentiality letter-U.

- > **Question #15:** All internal photos submitted are too small and also unclear.
- > Please provide another sets of internal photos for base and handset and make
- > sure all chip set marking can be seen.
- > **Answer # 15:** Please refer to revised internal photos. I am afraid that the file by PDF is not clear for your review, So I provide the word file for your reference also.

- > **Question #16:** Please provide MPE calculation for demonstrating RF exposure
- > compliance for Base Station.

- > **Answer #16:** Distance (cm) = $100 * [(P_{\text{watt}} \cdot G_{\text{gain}} \cdot 30) / 3770 \cdot S] ^{0.5}$
- $P_{\text{watt}} \cdot G_{\text{gain}} = 10 ^{ [(P_{\text{dBm}} - 30 + G_{\text{dBi}}) / 10]}$

$$\text{Distance (cm)} = 100 * [(0.02924 \cdot 30) / 3770 \cdot 1] ^{0.5} = 1.5\text{cm}$$

$$P_{\text{watt}} \cdot G_{\text{gain}} = 10 ^{ [(14.66 - 30 + 0) / 10]} = 0.02924$$

- Question #17:** User manual does not contain RF exposure warning statement to
- > user. Please provide it.
- > **Answer # 17:** Please see attachment: RF exposure warning.