

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) =  $100 * [ ( P_{\text{watt}} - G_{\text{gain}} - 30 ) / 3770 - S ]^{0.5}$   
 $P_{\text{watt}} - G_{\text{gain}} = 10^{[ ( P_{\text{dBm}} - 30 + G_{\text{dBi}} ) / 10 ]}$

$$\text{Distance (cm)} = 100 * [ ( 0.02924 * 30 ) / 3770 - 1 ]^{0.5} = 1.5\text{cm}$$
$$P_{\text{watt}} - G_{\text{gain}} = 10^{[ ( 14.66 - 30 + 0 ) / 10 ]} = 0.02924$$

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