

From: tleung@itslabtest.com  
Sent: Thursday, April 03, 2003 2:05 AM  
To: MKUO@CCSEMC.com  
Cc: jtang@itslabtest.com  
Subject: RE: CCT Telecom (HK) Limited, FCC ID:NC8MD450, AN03T2753

Dear Mike,

The frame structure is 10ms long and divided into 8 slots, each 1250us long. The active transmission time is 938us, therefore the TX duty cycle shall be  $938\text{us}/10\text{ms} = 9.38\%$ . In addition, the TX frame is about 10% because in TX frame, there will be a guard time between slots which provide time to stabilize the RF transceiver for channel change. In the guard time, the transmitter will turn OFF. And the total transmitter on time will be less than 1/8.

If you need other information, please feel free to contact me.

I expect to complete the certification today and I will call you tomorrow morning.

Thanks and best regards,

Tommy.

-----Original Message-----

From: Mike Kuo [mailto:MKUO@CCSEMC.com]  
Sent: Thursday, April 03, 2003 10:36 AM  
To: 'tleung@itslabtest.com'; Mike Kuo  
Cc: jtang@itslabtest.com  
Subject: RE: CCT Telecom (HK) Limited, FCC ID:NC8MD450, AN03T2753

Hi Tommy :

1) Why the duty cycle is not  $1/8=12.5\%$  but 10% ?

Best Regards

Mike Kuo

-----Original Message-----

From: tleung@itslabtest.com [mailto:tleung@itslabtest.com]  
Sent: Wednesday, April 02, 2003 12:07 AM  
To: MKUO@CCSEMC.com  
Cc: jtang@itslabtest.com  
Subject: RE: CCT Telecom (HK) Limited, FCC ID:NC8MD450, AN03T2753

Dear Mike,

This mail is in response to your e-mail on Apr 1, 2003.

- 1) The test data of charging mode with base unit is attached for your review.
- 2) For Walkie Talkie Mode -- It is a special feature for TDD (Time Division Duplex) system like this phone. One handset functions as a Base and no communication is through Base in the mode. Handset talk to another handset

without going through Base. So, it only need one time slot out of eight to communicate, the duty cycle is still 10%.

3) Please refer to page 7 of the test report for equipment setting.

"Analyzer resolution is 100 kHz or greater for frequencies below 1000MHz. The resolution is 1MHz or greater for frequencies above 1000MHz."

4) It is because the maximum duty cycle of handset and base are different. The duty cycle of handset is around 10% whereas the base is up to 40%. Hence, the peak field strength of handset is 117.6dBuV/m which is higher than 113.3dBuV/m of the base unit. And we calculated with the peak field strength of handset in RF exposure information.

If you need other information, please feel free to contact me.

Thanks and best regards,

Tommy.

-----Original Message-----

From: Mike Kuo [mailto:[MKUO@CCSEMC.com](mailto:MKUO@CCSEMC.com)]  
Sent: Wednesday, April 02, 2003 4:49 AM  
To: 'tleung@itslabtest.com'  
Subject: FW: CCT Telecom (HK) Limited, FCC ID:NC8MD450, AN03T2753

-----Original Message-----

From: CERTADM  
Sent: Tuesday, April 01, 2003 12:31 PM  
To: 'mkuo@ccsemc.com'  
Subject: CCT Telecom (HK) Limited, FCC ID:NC8MD450, AN03T2753

Notice\_content

Question #1: AC Line conducted tests: There are two different chargers included in this filing. One is base unit used as charger and the other one is charger for the handset. In AC line conducted plots submitted, one of spectrum plots is tested with talk mode (handset charger) with peak and average traces on the same plots. However, there is one set of data with one current-carrying measurement. Please provide additional Ac line conducted test data by following ANSI C63.4 section 7 procedures. Please doing the same measurement for Base unit in charging mode as well.

Question #2: The handset is also capable of operating as Walkie Talkie mode between two handsets. What is the duty cycle during Walkie Talkie mode ?

Question #3: What is the instrument setting used during radiated spurious emission tests below 1GHz and above 1GHz ?

Question #4: The conducted output power of handset is higher than the base unit. However, the fundamental field strength of base unit is higher than the handset. Please explain.

Best Regards

Mike Kuo

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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