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主题: Response to Inquiry to FCC (Tracking Number 876740)
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Office of Engineering and Technology

Inquiry on 06/14/2015 :

Inquiry:

Dear Sir/madam

Here is a device which support LTE Band 26 (814~849MHz), please show me how to grant listing and the procedure for RF/EMC testing, thanks. Attached is technical description.

FCC response on 06/15/2015

General guidance is per attached.

We note also Band 41 is mentioned, thus note also att. about uniform test channels for SAR.

"Reply to an Inquiry Response" with the present inquiry number should be used if there are other related equipment authorization questions, remarks, and/or concerns (<https://apps.fcc.gov/oetcf/kdb/forms/ResponseReplyEntry.cfm>).

---Reply from Customer on 06/19/2015---

Dear sir/madam

Is there anything else need providing? The KDB inquiry have been submitted almost a week, could you please kindly help to reply, thanks a lot!

---Reply from Customer on 06/19/2015---

Dear sir

Maybe there is something wrong with my email system, I received your reply just now.

The KDB inquiry about SAR testing for LTE Band 41 has been submitted on 06/14/2015.

The tracking number is 609704. Please help to reply on it. thanks.

---Reply from Customer on 06/23/2015---

Dear Sir/madam

The device also supports LTE band 41(TDD-LTE), according to April-2013-RF-Exposure-TCB-Slides-KC, SAR must be tested with a fixed periodic duty factor. Attached is TDD-LTE configurations for SAR testing, please kindly tell me if it can be accepted by FCC? or tell me the right procedure for this case, thanks.

FCC response on 07/01/2015

The theoretical values computed according to the transmission protocols in step 2 should be used to set the duty factor and crest factor used in the SAR measurement. Then adjust the measured SAR values to the theoretical duty factor supported by the extended uplink cyclic prefix, i.e. as indicated in your step 4.

---Reply from Customer on 07/15/2015---

Dear Sir

About this case,LTE band 26 can be listed under two rule parts (Part 90 and Part 22H)?

About TDD Band 41 SAR report, the maximum duty factor mode, configuration 0 be used to performed the tests, and the duty cycle scalling factor 1.008 was taken in the final results, details in attached documents. Can it be accepted by FCC? Thanks.

---Reply from Customer on 07/15/2015---

Dear Sir

I also have two questions need your help.

Q1: For LTE Band 26, We performed the tests follow Part 90S and 22H respectively, whether it can be listed under two difference rules?

Q2: For TDD Band 41 SAR tests, We used the 1:1.58 duty cycle, and the configuration 0 to performed the tests, and used 1.008 duty cycle scalling factor to adjusted the measured SAR values, details in attachment.Please kindly tell us if it can be accepted by FCC. Thank you very much!

FCC response on 07/17/2015

Q1: For LTE Band 26, We performed the tests follow Part 90S and 22H respectively, whether it can be listed under two difference rules?

A1: Modes and modulations with channel BW entirely in 817-824 (813.5-824) should be listed 90 (90S); modes and modulations with channel BW entirely in 824-849 should be listed 22H; Modes and modulations with channel BW crossing/straddling 824 MHz should be listed 22H, 90S.

Q2: For TDD Band 41 SAR tests, We used the 1:1.58 duty cycle, and the configuration 0 to performed the tests, and used 1.008 duty cycle scalling factor to adjusted the measured SAR values, details in attachment. Please kindly tell us if it can be accepted by FCC. Thank you very much!

A2: Approach does appear to be consistent with FCC guidance.

Attachment Details:

[technical description](#)

[LTE band 26 Interim guidance_90 S compare 22 H](#)

[RF Exposure TCB Oct 2014-KC update Dec 2014 band41-SAR-ch](#)

[TDD-LTE configurations](#)

[Duty cycle used in SAR testing](#)

[Duty cycle scalling factor used in SAR report](#)

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