

Mark Briggs

From: 김희연 <kkdy555@hct.co.kr>
Sent: Tuesday, November 08, 2011 6:20 PM
To: Mark Briggs; Claire Hoque
Cc: Joe Hsieh; Lucy Tsai
Subject: Re: [SAMSUNG Electronics Inc] Application for FCC SMM-2CR0480800 Assessment_No: AN11T0797
Attachments: TEST Report-1-.pdf

Dear Mr. Mark,

Answer Thank you.

Please confirm the following answers.

★ For multi-carrier mode does each chain need to operate on the same carrier frequencies and with adjacent carriers active or can the two ports be totally independent? For example, can port 0 operate with carriers at 869.2MHz and 865.4 MHz active and Port 1 with carriers at 864.15MHz and 867.9MHz active?

→ [HCT] The EUT has 2 operating mode – 1T mode & 2T mode

At 1T mode, two ports are totally independent. For example, Port 0 transmits 0,2,4 FA and Port 1 transmits 1,3 FA. Maximum Output Power of each FA is 16 W ($16 \text{ W} * 5 \text{ FA} = 80 \text{ W}$)

At 2T mode, two ports are operate on the same carrier frequencies and with adjacent carriers active.

Port 0 & Port 1 transmit 0,1,2,3,4 FA at the same time. Maximum Output Power of each FA is 10 W ($10 \text{ W} * 5 \text{ FA} * 2 \text{ Port} = 100 \text{ W}$)

Operating mode is decided by situation of installation locations.

Thanks & Best Regards

Hee Yeon KIM / RF Team

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

From: [Mark Briggs](#)

To: [Claire Hoque](#) ; [김희연](#)

Cc: [Joe Hsieh](#) ; [Lucy Tsai](#)

Sent: Wednesday, November 09, 2011 9:47 AM

Subject: RE: [SAMSUNG Electronics Inc] Application for FCC SMM-2CR0480800 Assessment_No: AN11T0797

Hello Hee Yeon,

Before we can get the review completed I need to be sure I understand the way the device operates.

Reviewing the report I think the device can operate as follows:

- Frequency range is 862.9MHz – 867.9MHz with 5 channels, 1.25MHz channel spacing
- Single carrier on either port A or port B at a nominal power of 20W.
- Single or multiple carrier (maximum of 5 carriers) on port A and port B simultaneously at a nominal power of 10W per carrier per chain and a maximum aggregate power with all 5 carriers active on both chains of 100W.

For multi-carrier mode does each chain need to operate on the same carrier frequencies and with adjacent carriers active or can the two ports be totally independent? For example, can port 0 operate with carriers at 869.2MHz and 865.4 MHz active and Port 1 with carriers at 864.15MHz and 867.9MHz active?

Also the test report contains references to Part 22/Part 24 which do not apply. Can you please correct the report and provide me with a new version so that I can pass it on to the reviewer for tomorrow?

Thanks

Mark

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

From: Claire Hoque

Sent: Tuesday, November 08, 2011 1:31 PM

To: [김희연](#)

Cc: Joe Hsieh; Mark Briggs; Lucy Tsai

Subject: RE: [SAMSUNG Electronics Inc] Application for FCC SMM-2CR0480800 Assessment_No: AN11T0797

Hi Hee Yeon,

Our reviewer will try to work on it today.

Thanks,

Claire Hoque

UL CCS

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From: [김희연](#) [mailto:kkdy555@hct.co.kr]

Sent: Monday, November 07, 2011 10:43 PM