



SAMSUNG ELECTRONICS AMERICA, INC.
American QA Lab
18600 Broadwick St.
Rancho Dominguez, CA 90220

Date: December 05, 2011

PCTEST TCB/CB
 Div. of PCTEST Engineering Lab., Inc.
 6660-B Dobbin Road
 Columbia, MD 21045

SUBJECT: Samsung Electronics Co., Ltd.
FCC ID: A3LSGHI717

To Whom It May Concern:

We attest to the following for this application:

1. MPR is permanently implemented for all channel BWs, modulations, frequency bands and RB sizes:
 Supported channel BWs, modulations, frequency bands:
 - a. LTE Band 4 (Channel BW 5 & 10 MHz)/QPSK & 16QAM
 - b. LTE Band 17 (Channel BW 5 & 10 MHz)/QPSK & 16QAM
2. MPR is implemented per 3GPP TS 36.101. With the MPR permanently implemented, this device will never operate at 23.5dBm or higher in QPSK and 16QAM.
3. We confirm the specific MPR targets and tolerances shown below

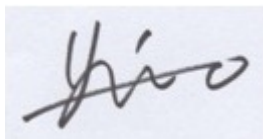
LTE Band 4 (AWS)								
Frequency [MHz]	Uplink Channel Number	BW [MHz]	Modulation	RB Size	RB Offset	Target Power [dBm]	MPR Target	MPR Allowed by 3GPP
Low 1712.5 Mid 1732.5 High 1752.5	Low 19975 Mid 20175 High 20375	5	QPSK	1	0	22.9	0	0
			16-QAM	1	0	21.9	1	0-1
			QPSK	1	24	22.9	0	0
			16-QAM	1	24	21.9	1	0-1
			QPSK	12	6	21.9	1	0-1
			16-QAM	12	6	20.9	2	0-2
			QPSK	25	0	21.9	1	0-1
			16-QAM	25	0	20.9	2	0-2
Low 1715 Mid 1732.5 High 1750	Low 20000 Mid 20175 High 20350	10	QPSK	1	0	22.9	0	0
			16-QAM	1	0	21.9	1	0-1
			QPSK	1	49	22.9	0	0
			16-QAM	1	49	21.9	1	0-1
			QPSK	25	12	21.9	1	0-1
			16-QAM	25	12	21.9	1	0-2
			QPSK	50	0	21.9	1	0-1
			16-QAM	50	0	20.9	2	0-2

LTE Band 17								
Frequency [MHz]	Uplink Channel Number	BW [MHz]	Modulation	RB Size	RB Offset	Target Power [dBm]	MPR Target	MPR Allowed by 3GPP
Low 1712.5 Mid 1732.5 High 1752.5	Low 19975 Mid 20175 High 20375	5	QPSK	1	0	22.5	0	0
			16-QAM	1	0	21.5	1	0-1
			QPSK	1	24	22.5	0	0
			16-QAM	1	24	21.5	1	0-1
			QPSK	12	6	21.5	1	0-1
			16-QAM	12	6	20.5	2	0-2
			QPSK	25	0	21.5	1	0-1
			16-QAM	25	0	20.5	2	0-2
Low 1715 Mid 1732.5 High 1750	Low 20000 Mid 20175 High 20350	10	QPSK	1	0	22.5	0	0
			16-QAM	1	0	21.5	1	0-1
			QPSK	1	49	22.5	0	0
			16-QAM	1	49	21.5	1	0-1
			QPSK	25	12	21.5	1	0-1
			16-QAM	25	12	21.5	1	0-2
			QPSK	50	0	21.5	1	0-1
			16-QAM	50	0	20.5	2	0-2

4. A-MPR was disabled for all SAR test samples for SAR testing purposes only.
5. This device does not implement power back-off schemes for SAR compliance.
6. We attest to the Simultaneous Tx listed on Operational Description to be accurate and furthermore, any other simultaneous Tx combinations not listed on the SAR report are not supported by software/hardware design.

Should you have any questions or comments concerning the above, please contact the undersigned.

Sincerely,



HyunJu Hong, Engineer
Samsung Electronics,.