SONY
make.believe

2012-04-03 CGQBDA12:104

Receiver
Federal Communications Commission
FCC

Subject: MPR Attestation Letter
FCC ID: PY7A8880001

To Whom It May Concern:

We attest 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:

LTE Band [MHz]		Channel BW [MHz]	Modulations
4 1710-1755	N/A	1.4	-
	N/A	3	-
	1712.5-1752.5	5	QPSK, 16 QAM
	1715.0-1750.0	10	QPSK, 16 QAM
	N/A	15	-
	N/A	20	-
17 704-716	N/A	1.4	-
	N/A	3	-
	706.5-713.5	5	QPSK, 16 QAM
	709.0-711.0	10	QPSK, 16 QAM
	N/A	15	-
	N/A	20	--

Availability of bandwidths based on **Error! Use the Home tab to apply ZA to the text that you want to appear here.**

2) MPR is implemented as per 3GPP TS 36.101. With MPR permanently implemented, this devices will never operate at 23.5dBm or higher in QPSK and 16 QAM modulation operating mode.

3) We confirm the specific MPR targets and tolerances shown below [Display list of frequencies vs. RB, Modulation; channels, MPR measured, Tolerances, MPR allowed by 3GPP]/ as specified in SAR report.

LTE Band 4 (AWS)								
Frequency	Uplink	BW	Modulation	RB	RB	Target	MPR	MPR

[MHz]	Channel Number	[MHz]		Size	Offset	Power [dBm]	Target	Allowed by 3GPP
Low 1712.5 Mid 1732.5 High 1752.5	Low 19975 Mid 20175 High 20375	5	QPSK	1	0	23+0.5	0	0
			QPSK	1	24	23+0.5	0	0
			QPSK	12	6	22+0.5	1	0-1
			QPSK	25	0	22+0.5	1	0-1
			16-QAM	1	0	22+0.5	1	0-1
			16-QAM	1	24	22+0.5	1	0-1
			16-QAM	12	6	21+0.5	2	0-2
			16-QAM	25	0	21+0.5	2	0-2
Low 1715 Mid 1732.5 High 1750	Low 20000 Mid 20175 High 20350	10	QPSK	1	0	23+0.5	0	0
			QPSK	1	49	23+0.5	0	0
			QPSK	25	12	22+0.5	1	0-1
			QPSK	50	0	22+0.5	1	0-1
			16-QAM	1	0	22+0.5	1	0-1
			16-QAM	1	49	22+0.5	1	0-1
			16-QAM	25	12	21+0.5	2	0-2
			16-QAM	50	0	21+0.5	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 706.5 Mid 710 High 713.5	Low 23755 Mid 23790 High 23825	5	QPSK	1	0	23+0.5	0	0
			QPSK	1	24	23+0.5	0	0
			QPSK	12	6	22+0.5	1	0-1
			QPSK	25	0	22+0.5	1	0-1
			16-QAM	1	0	22+0.5	1	0-1
			16-QAM	1	24	22+0.5	1	0-1
			16-QAM	12	6	21+0.5	2	0-2
			16-QAM	25	0	21+0.5	2	0-2
Low 709 Mid 710 High 711	Low 23780 Mid 23790 High 23800	10	QPSK	1	0	23+0.5	0	0
			QPSK	1	49	23+0.5	0	0
			QPSK	25	12	22+0.5	1	0-1
			QPSK	50	0	22+0.5	1	0-1
			16-QAM	1	0	22+0.5	1	0-1
			16-QAM	1	49	22+0.5	1	0-1
			16-QAM	25	12	21+0.5	2	0-2
			16-QAM	50	0	21+0.5	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) This device does not support voice over LTE via software set at the factory. This is a requirement of our buyer. Please note that VOLTE is not same as end users 3rd party VOIP applications over LTE.

7) We attest the simultaneous Tx listed on operational description / SAR report to be accurate and furthermore, any other simultaneous Tx combinations not listed on the SAR report are not supported by software/hardware design.

8) This device does not support 5 GHz WLAN operation.

Best Regards,

Håkan Sjöberg
Manager - HW verification
Global Type Approval

Sony Mobile Communications
Tel: +46 108013559
hakan.sjoberg@sonymobile.com