SONY

Sony Mobile Communications

Prepared by
SEM/CGVGPDA ZHAOHUI QI

Contents responsible if other than preparer

Approved by
SEM/CGVGPDA (ZHAOHUI QI)

Company Internal		1(2)
DESCRIPTION		
Document number		Revision
4/1050-1/FCP 119 1232 Uen		C
Date		
2012-06-26		
Remarks		
This document is managed in metaDoc.		

FCC/SAR Hotspot Power Back Off implementation in PY7PM-0100

This document is regarding the power back off implementation in PY7PM-0100 during Wifi Hotspot mode for SAR measurement.

When hotspot mode is activated, an automatic RF power reduction is activated and reduces the maximum output RF power level, please refer to below table for detailed info. When Wifi Hotspot mode is deactivated, the RF output power levels return to their normal RF power level.

When hotspot mode is activated, following events possibly happen:

1. A call established (incoming call or outgoing call);
   RF output power level will return to normal RF power level.
2. The network is under low RSSI, or network power control;
   RF power automatic reduction will be activated
3. The network setting changes;
   RF power automatic reduction is also activated and then the maximum output RF power Level decrease simultaneously;

Power Reduction Values

Band	Power reduction
GSM850 Voice	3.0dB±0.5dB
(E)GRPS 850 1 Slot	3.0dB±0.5dB
(E)GRPS 850 2 Slot	3.0dB±0.5dB
(E)GRPS 850 3 Slot	3.0dB±0.5dB
(E)GRPS 850 4 slot	3.0dB±0.5dB
PCS1900 Voice	3.0dB±0.5dB
(E)GRPS 1900 1 Slot	3.5dB±0.5dB
(E)GRPS 1900 2 Slot	3.5dB±0.5dB
(E)GRPS 1900 3 Slot	3.5dB±0.5dB
(E)GRPS 1900 4 slot	3.5dB±0.5dB
UMTS Band 2 HSDPA1	4.0dB±0.5dB
UMTS Band 2 HSDPA2	4.0dB±0.5dB
UMTS Band 2 HSDPA3	4.0dB±0.5dB
UMTS Band 2 HSDPA4	4.0dB±0.5dB
UMTS Band 2 HSUPA1	4.0dB±0.5dB
UMTS Band 2 HSUPA2	4.0dB±0.5dB
UMTS Band 2 HSUPA3	4.0dB±0.5dB
UMTS Band 2 HSUPA4	4.0dB±0.5dB
UMTS Band 2 HSUPA5	4.0dB±0.5dB
UMTS Band 2 RMC	4.5dB±0.5dB

UMTS Band 5 HSDPA1	4.0dB±0.5dB
UMTS Band 5 HSDPA2	4.0dB±0.5dB
UMTS Band 5 HSDPA3	4.0dB±0.5dB
UMTS Band 5 HSDPA4	4.0dB±0.5dB
UMTS Band 5 HSUPA1	4.0dB±0.5dB
UMTS Band 5 HSUPA2	4.0dB±0.5dB
UMTS Band 5 HSUPA3	4.0dB±0.5dB
UMTS Band 5 HSUPA4	4.0dB±0.5dB
UMTS Band 5 HSUPA5	4.0dB±0.5dB
UMTS Band 5 RMC	4.5dB±0.5dB