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FCC/SAR Hotspot Power Back Off implementation in PY7A3880131

This document is regarding the power back off implementation in PY7A3880131 during WLAN 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 WLAN Hotspot mode is deactivated, the RF output power levels return to their normal RF power level.

When hotspot mode is activated, the following additional scenarios may occur:

1. A call established (incoming call or outgoing call);
   RF output power level will return to normal RF power level. Hotspot functionality will be inactive for data traffic over the mobile networks

2. Automatic RF power control will remain active under the following network operational changes:
   - The Received Signal Strenght (RSSI) is decreasing.
   - The mobile network requests higher RF power from the terminal.
   - The network setting changes to a different network (roaming between networks)

Power Reduction Values

Band	Power Reduction
GSM850 Voice	NA
(E)GRPS 8PSK	NA
(E)GRPS 850 1 Slot	2,3dB
(E)GRPS 850 2 Slot	2,8dB
(E)GRPS 850 3 Slot	2,6dB
(E)GRPS 850 4 slot	2,7dB
UMTS Band 2 HSDPA1	2.5dB
UMTS Band 2 HSDPA2	2.8dB
UMTS Band 2 HSDPA3	2.4dB
UMTS Band 2 HSDPA4	2.2dB
UMTS Band 2 HSUPA1	2.4dB
UMTS Band 2 HSUPA2	2.4dB
UMTS Band 2 HSUPA3	1.2dB
UMTS Band 2 HSUPA4	2.3dB
UMTS Band 2 HSUPA5	1.4dB
UMTS Band 2 RMC	3.4dB