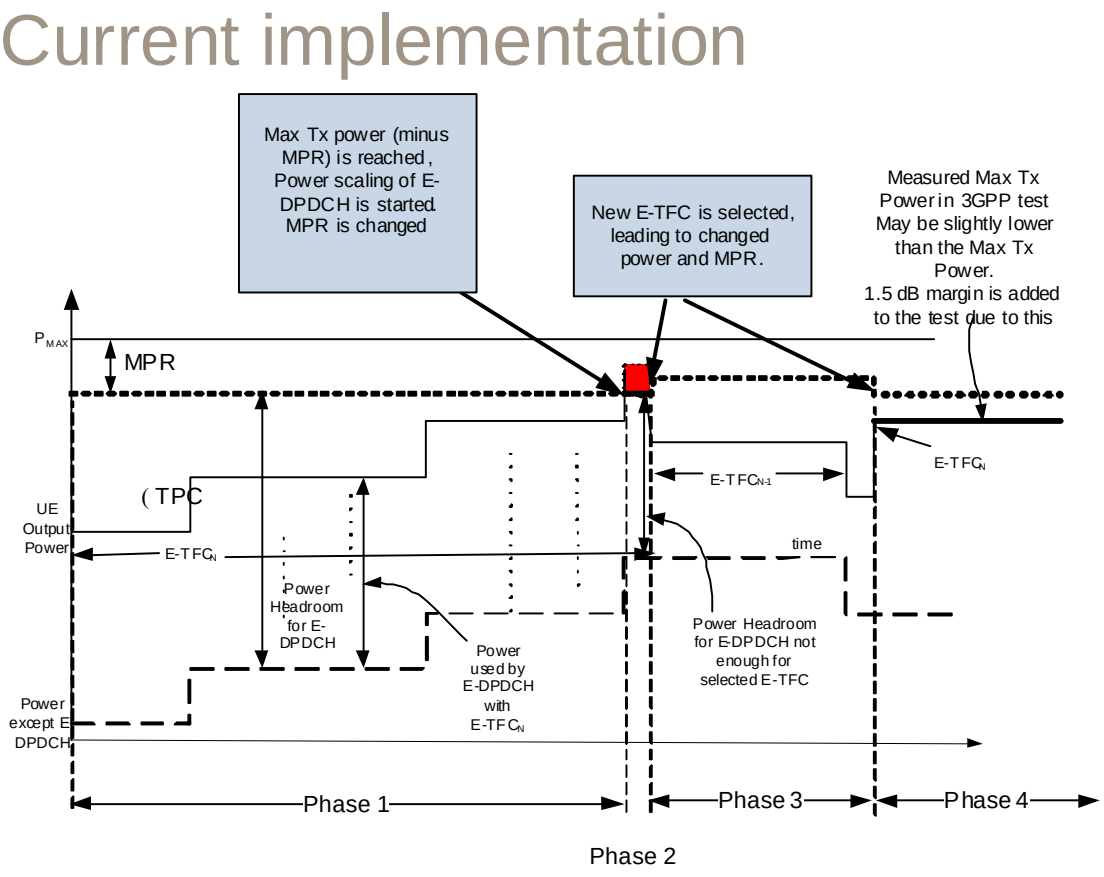
1. *"please confirm these power measurement values are in line with Ericsson module specification"*

Ericsson: The F3507g is specified as a WCDMA power class 3 device. The power measurement values measured are within 3GPP requirements for a WCDMA class 3 device.

There is however an error identified as ER199180. Without including that fix the MPR will not behave as expected. There is no band dependency in this error.

With the solution for ER199180 we don't see any difference between the bands. Even with the solution a special test method is needed to see the expected MPRs. The MPR must be measured during the short time slot (2-3 frames) marked red in the picture below.



2. *"What is the MPR implementation on the Module?*

Ericsson: There is effectively no MPR implementation as it is not working in this unit due to the fault designated ER199180. Implementation of MPR is not obligatory.

3. *"What is the difference between the current revision of firmware Vs the version R2A?"*

Ericsson: LG are currently running R1D06 which as previously described has the fault designated ER199180. This version has been extensively tested and is approved in other FCC applications. At no point are the results out of requirements.

R2A contains a number of improvements and operator requested features that include a patch to correct the MPR anomaly in earlier versions.

This patch is already available and the correct operation of MPR verified. Due to software release planning this patch will not be included until release R2A.

4. *"What will be the MPR implementation for version R2A and what are the target output power for sub-test 1-5?"*

Ericsson: R2A will have MPR fully implemented.

It should ideally be 0-2-1-2-0 (subtest 1-5), with no difference between the bands. The Ericsson implementation is a bit conservative so that the MPR could differ by up to 0.5 db.

5. *"For those Ericsson module which has been certified by FCC, how is the R2A version firmware to be impacted on those modules which already on the market?"*

Ericsson: There will be no impact.

The purpose of MPR is to reduce the output power in some cases. When MPR is active, the maximum output power is limited by the calibrated maximum output power minus a value specified by 3GPP. The WCDMA output power of an F3507g module is calibrated without MPR. Therefore, the calibration for maximum output power is not dependant on the firmware version of the module even if the MPR function may differ between firmware versions.

Therefore the module measured will pass if upgraded to a firmware with a correct MPR implementation.