

Federal Communications Commission  
Office of Engineering and Technology  
Equipment Authorization Division  
7345 Oakland Mills Road  
Columbia, Maryland 21046

## LTE Rel 10 attestation letter for PY7PM-0808

To whom it may concern,

Hereby we, Sony Mobile Communications Inc., clarify that this product FCC ID: PY7PM-0808 supports only partial features of LTE Rel.10, and all the supported features are regarding network enhancement. No uplink carrier aggregation, enhanced SC-FDMA and uplink MIMO or other antenna diversity configurations are supported. See details below:

1) The LTE release and version numbers of the 3GPP documents used to implement the specific device(s) and the associated 3GPP release and version numbers required for power measurements and RF test setup conditions must be clearly specified for each FCC ID in the KDB inquiry to identify product implementation and testing requirements.

**Rel. 10 version:**

**- Release10 in September 2012**

**3GPP document:**

**- 3GPP TS 24.301 Release 10.8.0**

**- 3GPP TS 36.331 Release 10.7.0**

**so on.**

2) When carrier aggregation applies, implementation details relating to the following are necessary.

**Carrier Aggregation is not supported.**

3) When enhanced SC-FDMA is supported for uplink transmissions, details of the implementation, limitations and restrictions are necessary to determine the SAR measurement requirements.

Enhanced SC-FDMA is not supported.

4) When multiple transmit antennas are used to support uplink MIMO or other transmit diversity configurations, details of the implementation and operation for such features are necessary to determine SAR measurement concerns.

Uplink MIMO is not supported.

5) UE category and descriptions of the category requirements for supporting carrier aggregation, uplink MIMO and other UE configurations.

UE category is Cat.4; Carrier aggregation and uplink MIMO are not supported.

6) While it is highly unexpected and until more can be learned, if it is suspected that the hardware or firmware associated with any LTE Rel. 10 features may introduce SAR influences for a product; for example, CoMP, HetNet, Relay, SON, cross carrier scheduling, eICIC, enhanced downlink MIMO, MBMS, M2M/D2D support etc., the potential of SAR concerns and any hardware, firmware or other limitations or restrictions applied to alleviate such concerns must be explained.

The hardware or firmware associated with any LTE Rel. 10 features may not introduce SAR influences for a product.

NAS:

- ISR enhancement, in TS 24.301 CR0758, CR0931, CR1199, CR1362.

- CSFB enhancement, in TS 24.301 CR0800, CR0959, CR1202.

- Extend Periodic Timers, in TS 24.301 CR1098.

- Backoff Timers enhancement, in TS 24.301 CR1047, CR1197, CR1260, CR1279, CR1312, CR1216.

CR1238, CR1323, CR1371.

- Emergency Bearer Services, in TS 24.301 CR1029, CR1155, CR1320.

AS:

- Change to Buffer Status Reporting, BSR size can be extended to reflect higher payloads possible.

- CSFB AC Barring, in TS 36.331 CR0477, CR0623 CR0490.

- RLF Reporting Enhancement, in TS 36.331 CR548r4, CR664r1, CR672r2.

and many CRs applicable to Rel. 10 UEs, other than Carrier Aggregation.

Note:

ISR: Idle mode signalling reduction

CSFB: Circuit Switched Fallback

BSR: Buffer status reports

RLF: Radio link failure

7) Detailed descriptions of SVLTE support in any carrier aggregation configurations.

SVLTE is not supported.

8) Information typically required identifying the device and other transmitters contained within it to identify various standalone and/or simultaneous transmission SAR testing concerns.

LTE + BT/BLE

LTE + WLAN 2.4G

LTE + WLAN 5GHz + BT/BLE

No special concerns in terms of LTE Rel. 10 features.



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