3GPP TSG-RAN WG4 Meeting #116bis R4-2515061

**Prague, Czech Republic, Oct. 13-17,** 2025

**Agenda item:** 6.14.1

**Source:** Moderator (CMCC)

**Title:** Way Forward for [116bis][315] A-IoT\_device

**Document for:** Approval

# Topic #1: RRM performance requirements for device 1 (6.14.3)

### Sub-topic 1-1: RRM performance requirements for device 1

#### **Issue 1-1-1: Test case for TD2R\_min**

**Agreement:**

* Test the performance of TD2R\_min. And TD2R\_min are tested with other RRM requirements.

#### **Issue 1-1-2: How to define RRM test cases**

**Agreement:**

* Define a single dedicated RRM test case
* Transmit timing requirements, RA procedure and TD2R\_min are tested in the same test

#### **Issue 1-1-3: Test configuration/procedure**

**Agreement:**

* In high level, take the test procedures/FRCs for sensitivity from RF session as baseline
* CBRA is in use in the test

# Topic #2: Demodulation performance requirements for device 1 (6.14.4)

### Sub-topic 2-1: Whether to define PRDCH demodulation requirements for device 1

#### **Issue 2-1-1: Whether to define PRDCH demodulation requirements**

**Tentative Agreement:**

* Not to define PRDCH demodulation requirements in Rel-19, since the functionality of PRDCH reception can be verified in device RF Rx REFSENS test

# Topic #3: Demodulation performance requirements for Ambient-IoT BS (6.14.5)

### Sub-topic 3-1: Whether to define PDRCH demodulation requirements for Ambient-IoT BS

#### **Issue 3-1-1: Whether to define the PDRCH demodulation requirements**

**Tentative Agreement:**

* Not to define PDRCH demodulation requirements in Rel-19, since the functionality of PDRCH reception can be verified in BS RF Rx REFSENS test