3GPP TSG-RAN WG2 #110 R2-2005306

Electronic meeting, 1-12 June 2020

Agenda Item: 7.1.10

Source: Ericsson

**Title: Text Proposal RSS for RSRP**

Document for: Discussion, Decision

1 Introduction

RAN4 has defined that RSS can be used for RSRP measurement [1]. This is not currently captured in stage 2 36.300. A text proposal is shown to capture this.

2 Text Proposal

### 5.1.8 Physical layer measurements definition

The physical layer measurements to support mobility are classified as:

- within E-UTRAN (intra-frequency, inter-frequency);

- between E-UTRAN and GERAN/UTRAN (inter-RAT);

- between E-UTRAN and non-3GPP RAT (Inter 3GPP access system mobility).

For measurements within E-UTRAN two basic UE measurement quantities shall be supported:

- Reference signal received power (RSRP);

- Reference signal received quality (RSRQ).

In addition, the following UE measurement quantity may be supported:

- Received signal strength indicator (RSSI);

- Reference signal signal to noise and interference ratio (RS-SINR).

RSRP measurement is based on the following signals:

- Cell-specific reference signals; or

- CSI reference signals in configured discovery signals; or

- Resynchronization Signal; or

- Narrowband secondary synchronization signal for NB-IoT UEs.

1. RAN2 to agree on the above Text Proposal.

Conclusion

 Based on the discussion in the previous sections we propose the following:

[Proposal 1 RAN2 to agree on the above Text Proposal.](#_Toc40991508)

Reference

[1] RAN4, R4-1907733, Way forward on Rel-16 MTC RRM enhancement.