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Abstract			
Purpose			
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Support for SS transmit diversity

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1. Introduction

A simple report mechanism, which facilitates SS transmit diversity or beamforming is introduced. The idea is that a SS shall occasionally try to transmit with a different antenna pattern. The BST shall report the received parameters of this burst, namely RSSI and CINR.

The report is accomplished via RNG-REQ and RNG-RSP message. In the RNG-REQ message, the SS requests the BST to monitor and report some burst in the future. Pointing to a burst in the future, (as opposed to monitor the burst carrying the RNG-REQ) is needed since when transmitting from a different antenna, the burst may not be decodable.

2. Proposed text

Add in table 278, RNG-REQ message format:

Name	Type	Length	Value (variable length)
Received UL CINR and RSSI	7	2	Byte 1: Feedback request counter. Maintained separately for each SS. Byte 2: Indicates the burst number relative to current burst in which to perform UL CINR and RSSI measurement. 0 indicates measure on current burst. 1 indicates measure on next burst from same SS. Applicable only to Sca OFDM and OFDMA PHYs.

Add in table 278, RNG-REQ message format:

Name	Type	Length	Value (variable length)
Received UL CINR and RSSI	7	3	Byte 1: Feedback request counter. Byte 2 RSSI: RSSI measured on burst pointed to in the corresponding request. For Sca PHY see section 8.2.2. For OFDM PHY see section 8.3.8.2 For OFDM PHY see section 8.4.11.2 Byte 3 CINR: CINR measured on burst pointed to in the corresponding request For Sca PHY see section 8.2.3.

			For OFDM PHY see section 8.3.8.3 For OFDM PHY see section 8.4.11.3
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