TSG-RAN Working Group 4 (Radio) meeting #5 **TSGW4#5(99)274**
Miami 14th –16th of June 1999

Agenda Item: 8.3

Source: Nokia

Title: BS Receiver Spurious response characteristics

Document for: Approval

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1. Introduction

This document proposes requirements and definitions for the BS Receiver response characteristics. Nokia proposes to use – 42 dBm as signal level for an interfering CW signal. Also minimum offset from the nominal assigned channel is defined.

2. Text proposal for '7.7 Spurious response characteristics '

7.7 Spurious response

The spurious response is a measure of the receiver's ability to receive a wanted signal on its assigned channel frequency without exceeding a given degradation due to the presence of an unwanted CW interfering signal at any other frequency at which a response is obtained i.e. for which the blocking limit is not met.

The static reference performance as specified in clause 7.3.1 should be met when the following signals are applied to the receiver;

- A wanted signal at the assigned channel frequency, 3 dB above the static reference level.
- ~~A CW interfering signal below a level of [ ] dBm.~~
- The number of allowed spurious responses is an item for further study
- Wanted and interfering signals are coupled to BS antenna input

Center Frequency of Interfering Signal	Interfering Signal Level	Type of Interfering Signal
< 1920, 1980 MHz >	-42 dBm	CW signal
1920 MHz-1980 MHz	Please refer blocking requirement	

3. Conclusion

Requirements and definitions for BS Receiver spurious response characteristics have been proposed to be used in TS 25.104.