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(T1-000265, copy TSG-RAN) LS on TR 21.905: Vocabulary for 3GPP Specifications

Title:	**LS on TR 21.905: Vocabulary for 3GPP Specifications**
Source:	**TSG T1**
To:	**TSG-SA**
Cc:	**TSG-RAN, TSG-T**
Document for:	**Approval**

Introduction

TSG-T1 has gone through the definitions of vocabulary, which are used in T1 test specifications, and checked them with 3G Vocabulary document [1] TR 21.905. This document proposes modifications of 3G Vocabulary document [1] TR 21.905 according to the terms used in [5] TS 34.121 those are regarded as 3GPP global ones.

T1 would ask TSG-SA to take an appropriate action for modification.

Proposal

The following abbreviations should be added or modified.

AFC	Automatic Frequency Control
BER	Bit Error Ratio ~~Rate~~
BLER	Block Error Ratio ~~Rate~~
BTFD	Blind Transport Format Detection
FDR	False transmit format Detection Ratio
IM	Intermodulation
MER	Message Error Ratio ~~Rate~~
OCNS	Orthogonal Channel Noise Simulator, a mechanism used to simulate the users or control signals on the other orthogonal channels of a downlink
PAR	Peak to Average Ratio
P-CCPCH	Primary Common Control Physical Channel
P-CPICH	Primary Common Pilot Channel
PCDE	Peak Code Domain Error
RBW	Resolution Bandwidth
S-CCPCH	Secondary Common Control Physical Channel

S-CPICH	Secondary Common Pilot Channel
SS	System Simulator

The following equations should be added or modified.

$\frac{CPICH\_E_c}{I_{or}}$	The ratio of the received energy per PN chip of the CPICH to the total transmit power spectral density at the Node B (SS) antenna connector.
$\frac{DPCH\_E_c}{I_{or}}$	The ratio of the received energy per PN chip of the DPCH to the total transmit power spectral density at the Node B ~~BS~~ (SS) antenna connector.
$\frac{DPCCH\_E_c}{I_{or}}$	The ratio of the transmit energy per PN chip of the DPCCH to the total transmit power spectral density at the Node B antenna connector.
$\frac{DPDCH\_E_c}{I_{or}}$	The ratio of the transmit energy per PN chip of the DPDCH to the total transmit power spectral density at the Node B antenna connector.
I_{oac}	The power spectral density of the adjacent frequency channel as measured at the UE antenna connector.
I_{oc}	The power spectral density of a band limited white noise source (simulating interference from ~~other~~ cells, which are not defined in a test procedure) as measured at the UE antenna connector.
I_{or}	The total transmit power spectral density of the down ~~Forward~~ link at the Node B ~~base station~~ antenna connector.
$\hat{I}_{or}$	The received power spectral density of the down ~~Forward~~ link as measured at the UE antenna connector.
I_{ouw}	Unwanted signal power level.
$P-CCPCH\_E_c$	Average* energy per PN chip for P-CCPCH.
$\frac{P-CCPCH\frac{E_c}{I_o}}{\sout{PCCPCH}\frac{E_c}{I_o}}$	The ratio of the received P-CCPCH energy per chip to the total received power spectral density at the UE antenna connector.
$\frac{\frac{P-CCPCH\_E_c}{I_{or}}}{\frac{PCCPCH\_E_c}{I_{or}}}$	The ratio of the average* transmit energy per PN chip for the P-CCPCH to the total transmit power spectral density.
$P-CPICH\_E_c$	Average* energy per PN chip for P-CPICH.
$PICH\_E_c$	Average* energy per PN chip for PICH.
$\frac{PICH\_E_c}{I_{or}}$	The ratio of the received energy per PN chip of the PICH to the total transmit power spectral density at the Node B (SS) antenna connector.
$\frac{S-CCPCH\_E_c}{\sout{SCCPCH\_E_c}}$	Average energy per PN chip for S-CCPCH.

SCH_E_c	Average* energy per PN chip for SCH.
~~SCCPCH~~	~~Secondary Common Control Physical Channel.~~
$S-CPICH\_E_c$	Average* energy per PN chip for S-CPICH.

*Note: Averaging period for energy/power of discontinuously transmitted channels should be defined.

References

[1] TR 21.905 V3.2.0 (2000-10): Vocabulary for 3GPP Specifications

[2] TR 25.990 V3.0.0 (1999-10): Vocabulary

[3] TS 25.101 V3.4.0 (2000-10): UE Radio Transmission and Reception (FDD)

[4] TS 25.133 V3.3.0 (2000-09): Requirements for Support of Radio Resource Management (FDD)

[5] TS 34.121 V3.2.0 (2000-09): Terminal Conformance Specification; Radio transmission and reception (FDD)