Subsystem UESignal:GFACtor (Gain Factors)

The following commands configure the gain factors for the UE signal. They correspond to the *UE Gain Factors* section in the *UE Signal* tab of the *Connection Control* menu.

CONFigure:UESignal:GFACtor:RMC:UPLMode<nr> <*Beta_c*>, <*Beta_d*>				Gain Factors
<Beta_c>	Description of parameters	Def. value	Def. unit	FW vers.
0 to 15	DPCCH gain factor	8 (<nr> = 1) 5 (<nr> = 2) 4 (<nr> = 3) 4 (<nr> = 4)	–	V3.80
<Beta_d>	Description of parameters	Def. value	Def. unit	FW vers.
0 to 15	DPDCH gain factor	15 (all RMC data rates)	–	V3.80
Description of command				
This command defines the gain factors for the uplink RMCs. The numeric suffix discriminates between the data rates of 12.2 kbps (<nr> = 1), 64 kbps (<nr> = 2), 144 kbps (<nr> = 3), and 384 kbps (<nr> = 4).				

CONFigure:UESignal:GFACtor:VOICe <*Beta_c*>, <*Beta_d*>
CONFigure:UESignal:GFACtor:VIDeo <*Beta_c*>, <*Beta_d*>
CONFigure:UESignal:GFACtor:PDATa <*Beta_c*>, <*Beta_d*>

Gain Factors

<Beta_c>	Description of parameters	Def. value	Def. unit	FW vers.
0 to 15	DPCCH gain factor	11 (voice) 9 (video) 9 (packet data)	–	V3.80
<Beta_d>	Description of parameters	Def. value	Def. unit	FW vers.
0 to 15	DPDCH gain factor	15 (all call types)	–	V3.80

Description of command

This command defines the gain factors for the voice, video, and packet data connections.

CONFigure:UESignal:GFACtor:HSTMode
<Beta_c>, <Beta_d>, <Delta_ACK>, <Delta_NACK>, <Delta_CQI>

Power Offset Parameters

<Beta_c>	Description of parameters	Def. value	Def. unit	FW vers.
0 to 15	DPCCH gain factor	9	–	V3.80
<Beta_d>	Description of parameters	Def. value	Def. unit	FW vers.
0 to 15	DPDCH gain factor	15	–	V3.80
<Delta_ACK>	Description of parameters	Def. value	Def. unit	FW vers.
0 to 8	Power offset parameter Δ_{ACK}	5	–	V3.80
<Delta_NACK>	Description of parameters	Def. value	Def. unit	FW vers.
0 to 8	Power offset parameter Δ_{NACK}	5	–	V3.80
<Delta_CQI>	Description of parameters	Def. value	Def. unit	FW vers.
0 to 8	Power offset parameter Δ_{CQI}	2	–	V3.80

Description of command

This command defines the gain factors for the voice, video, and packet data connections.

DEFault:UESignal:GFACtor <*Enable*>

Default Settings

<Enable>	Description of parameters	Def. value	Def. unit	FW vers.
ON | OFF	The parameters are set to default values Some or all parameters differ from the default values	ON	–	V3.80

Description of command

If used as a setting command with the parameter *ON* this command sets all parameters of the subsystem to default values. The setting *OFF* results in an error message.

If used as a query the command returns whether all parameters are set to default values *(ON)* or not *(OFF)*.