5.3.5 Emission characteristics

This panel consists in setting of the emission characteristics of your generic system.

Table 14: Emission characteristics GUI

Description	Symbol	Type	Unit	Comments
Power	P	Scalar or Distribution	dBm	This is the transmitter power supplied to the antenna of the generic system, including feeder loss.
Interfere is CR:		Boolean		When the CR button is checked then it allows to set the emission characteristics of the VLT and ILT (used for the sRSS calculation only. See Section 6)
Emission mask:	emission_rel(f)	Function (X,Y) (kHz)	dBc/ reference bandw. (kHz)	Define the mask of the transmitter, in the emission bandwidth and out of the emission bandwidth. It is the unwanted signal level from the ILT. (See ANNEX 7:)
Unwanted emissions floor: Noise floor signal level	emission_floor(f)	Function (X,Y) (kHz)	dBm/ reference bandw. (kHz)	Define the minimum strength of the unwanted emissions. So the unwanted emissions equal to Max(P_{Tx} + Unwanted emission, Unwanted emissions floor) (see Annex A7.4)

Power control				If Power control is checked, the 3 following parameters have to be defined. This Power control is used to limit the output power of the transmitter (see ANNEX 14:)
Power control step size	PC_{step}	Scalar	dB	
Min threshold	$PC_{threshold}$	Scalar	dBm/ emission bandw	If the received power is lower than this threshold, then no power control takes place
Dynamic range	PC_{dyn}	Scalar	dB	If the received power is higher than $Pc_{treshold} + Pc_{dyn}$ then the full power control takes place, i.e. the power is decreased by Pc_{dyn}

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