

Channel Model Comparison Table

Feature	SCM	SCME	WINNER I	WINNER II
Bandwidth > 100 MHz	No	Yes	Yes	Yes
Indoor scenarios	No	No	Yes	Yes
Outdoor-to-indoor and indoor-to-outdoor scenarios	No	No	No	Yes
AoA/AoD elevation	No	No	Yes	Yes
Intra-cluster delay spread	No	Yes	No	Yes
TDL model based on the generic model	No	Yes	Yes*	Yes
Cross-correlation between LSPs	No	No	Yes	Yes
Time evolution of model parameters	No	Yes**	No	Yes

*TDL model is based on the same measurements as generic model, but analyzed separately.

**Continuous time evolution.

Parameter	Unit	SCM	SCME	WINNER I	WINNER II
Max. bandwidth	MHz	5	100*	100**	100**
Frequency range	GHz	2	2 – 6	2 – 6	2 – 6
No. of scenarios		3	3	7	12
No. of clusters		6	6	4-24	4-20
No. of mid-paths per cluster		1	3 – 4	1	1 – 3
No. of sub-paths per cluster		20	20	10	20
No. of taps		6	18 – 24	4-24	4-24
BS angle spread	°	5 – 19	4.7 – 18.2	3.0 – 38.0	2.5 – 53.7
MS angle spread	°	68	62.2 – 67.8	9.5 – 53.0	11.7 – 52.5
Delay spread	ns	170 – 650	231 – 841	1.6 – 313.0	16 – 630
Shadow fading standard deviation	dB	4 – 10	4 – 10	1.4 – 8.0	2 – 8

* artificial extension from 5 MHz bandwidth

** based on 100 MHz measurements