Magic Wand Test sheet

	CE	Gear	RPM	Acceleration [m/s^2]					Displacement [um]				Sound level [dB]
Where is the measurement made on the massager:				Side of head	Side of head	Top of head	Top handle	Bottom handle	Side of head	Front of head	Top Handle	Bottom handle	0.5 m away
230 V massagers													
Hitachi Magic Wand (metal head)	NO	1	4800	**110**	40	5	2		**1000**	250	70	40	**46**
		2	5940	**>200**	50	15	10		**1100**	300	110	50	**52**
Note		It is not legal to sell or use in Europe, because it is designed for the US market mains with 110 V @ 60 Hz and it is not CE certified (Europe has 230 V @ 50 Hz).											
Magic Wand Original (New Hitachi w/plastic head)	NO	1	NA	**180**	40	12	5		**1170**	100	100	60	**NA**
		2	NA	**>200**	40	20	9		**1050**	200	130	80	**NA**
Europe Magic Wand (Model after March 2013)	YES	1	2850	**60**	5	2	2		**1200**	120	60	40	**<38**
		2	3250	**80**	5	2	2		**1200**	200	30	30	**<38**
		3	3770	**130**	10	4	2		**1400**	100	30	30	**<38**
		4	4420	**180**	10	6	3		**1500**	130	40	25	**<38**
		5	5140	**>200**	30	12	5		**1600**	150	65	40	**38**
		6	5980	**>200**	30	22	12		**1300**	300	95	50	**40**
Europe Magic Wand (Model before March 2013)	YES	1	3480	**50**	20	2	2		**1000**	150	50	40	**<38**
		2	3750	**60**	20	2	2		**1100**	400	30	30	**<38**
		3	4230	**90**	25	3	2		**1000**	500	40	30	**38**
		4	4740	**120**	35	5	2		**1000**	400	40	40	**44**
		5	5190	**160**	65	7	2,5		**1200**	200	65	40	**48**
		6	5820	**>200**	70	10	3,5		**1200**	500	80	35	**50**
Magic Massager (Adam & Eve with plastic head)	NO	1	4560	**185**	15	35	6		**1000**	200	140	40	**40**
		2	5460	**190**	40	42	9		**750**	140	140	50	**50**
Note		The box has a CE mark, but it do not comply with the European CE marking rules on the product. It is missing a label on the product with the CE mark, model name, rated voltage, rated power, rated frequency and type of electrical insulation. Adam & Eve is made in two different designs, one with a metal head like the Hitachi Magic Wand (old model) and one with a plastic head where the motor is embedded (new model).											
Battery massagers													
Lelo Smart Wand (medium)	YES	1	1800	9	4	5	2		330	50	30	20	38
		max	4980	**75**	12	16	14		**330**	60	90	140	**<38**
Note		The measurement is made by applying pressure, and therefore it is not possible to measure without the Lelo Sense technology in function. This makes it very difficult to measure the "low" speed and it has not been possible to register any speeds in between.											
Lelo Smart Wand (large)	YES	1	1350	**9**	4	6	3		**1000**	300	700	300	**<38**
		2	1500	**15**	7	17	9		**1100**	350	800	350	**<38**
		3	1650	**25**	7	25	12		**800**	300	1150	400	**<38**
		4	2160	**40**	10	40	13		**900**	290	1200	450	**<38**
		5	2340	**45**	13	40	14		**800**	200	1300	850	**<38**
		6	2460	**55**	20	40	25		**1150**	300	1500	1200	**<38**
		7	2550	**60**	20	50	23		**1500**	500	1700	1250	**<38**
		max	2760	**65**	20	50	23		**1700**	400	1600	1300	**<38**
Hi Tech Massager	YES	1	4440	**40**	5	9	5		**445**	70	90	40	**<38**
		2	5460	**80**	11	12	6		**500**	50	90	40	**<38**
Note		CE is not confirmed, but I have not found any issues.											
Wand Essential 7 speed	YES	1	1920	**11**	4	10	4		**400**	200	350	370	**40**
		2	2040	**12**	5	12	7		**370**	200	350	150	**48**
		3	2700	**67**	8	25	11		**700**	100	210	90	**44**
		4	3180	**80**	15	27	11		**800**	100	150	60	**46**
		5	4500	**80**	10	29	14		**700**	100	140	70	**48**
		6	5100	**100**	20	30	13		**800**	70	140	65	**50**
		7	6180	**150**	10	33	14		**840**	110	130	60	**54**
Note		The speed is dropping fast when load is applied. CE is not confirmed, but I have not found any issues.											

Vibration Analyzer

Manufacture	Reliability Direct
Model	908
Sensor pressure [g]	750
Probe surface [cm^2]	4,9

Sound level meter

Manufacture	YFE
Model	YF-20
Measurement distance [m]	0,5

Tester

Name	Jesper Rasmussen
E-mail	jesper@amokmarketing.com