

Interference Radiation

Measurement of Radiated Emissions (27MHz-1000MHz)
Acc: FCC Part 15 Subpart C

IECC Ref: 22634/0/400F
Model: 90293 (27MHZ)
Applicant: ECHO TOYS LTD
Ser.Nr.: 1
Set under test: X-Board
Connected sets: -
Operating mode: Power "On"

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9106
and UHALP 9107

	Frequency (MHz)	Horz. Reading dB(μV)	Vert. Reading dB(μV)	Antenna Factor (dB)	Horiz. Test Result (μV/m)	Vert. Test Result (μV/m)	Limit (μV/m)
Harm. 2	54.24	18	22	6.3	16	26	100
Harm. 3	81.36	18	16	5.2	14	12	100
Harm. 4	108.48	< 16	< 16	9.5	< 19	< 19	150
Harm. 5	135.6	< 16	< 16	12.2	< 26	< 26	150
Harm. 6	162.72	< 16	< 16	13.6	< 30	< 30	150
Harm. 7	189.84	< 16	< 16	14.8	< 35	< 35	150
Harm. 8	216.96	< 16	< 16	15.7	< 38	< 38	200
Harm. 9	244.08	< 16	< 16	16.5	< 42	< 42	200
Harm. 10	271.2	< 16	< 16	17.3	< 46	< 46	200
Harm. 11	298.32	< 16	< 16	18.0	< 50	< 50	200
Harm. 12	325.44	< 16	< 16	16.8	< 44	< 44	200
Harm. 13	352.56	< 16	< 16	17.4	< 47	< 47	200
Harm. 14	379.68	< 16	< 16	17.9	< 50	< 50	200
Harm. 15	406.8	< 16	< 16	18.4	< 52	< 52	200
Harm. 16	433.92	< 16	< 16	18.8	< 55	< 55	200
Harm. 17	461.04	< 16	< 16	19.2	< 57	< 57	200
Harm. 18	488.16	< 16	< 16	19.5	< 60	< 60	200
Harm. 19	515.28	< 16	< 16	19.9	< 62	< 62	200
Harm. 20	542.4	< 16	< 16	20.1	< 64	< 64	200
Harm. 21	569.52	< 16	< 16	20.5	< 67	< 67	200
Harm. 22	596.64	< 16	< 16	20.9	< 70	< 70	200
Harm. 23	623.76	< 16	< 16	21.2	< 73	< 73	200
Harm. 24	650.88	< 16	< 16	21.6	< 76	< 76	200
Harm. 25	678	< 16	< 16	22.1	< 80	< 80	200
Harm. 26	705.12	< 16	< 16	22.5	< 84	< 84	200
Harm. 27	732.24	< 16	< 16	22.8	< 87	< 87	200
Harm. 28	759.36	< 16	< 16	23.2	< 91	< 91	200
Harm. 29	786.48	< 16	< 16	23.5	< 95	< 95	200
Harm. 30	813.6	< 16	< 16	23.9	< 99	< 99	200
Harm. 31	840.72	< 16	< 16	24.2	< 103	< 103	200
Harm. 32	867.84	< 16	< 16	24.6	< 107	< 107	200
Harm. 33	894.96	< 16	< 16	24.9	< 111	< 111	200
Harm. 34	922.08	< 16	< 16	25.3	< 117	< 117	200
Harm. 35	949.2	< 16	< 16	25.8	< 122	< 122	200
Harm. 36	976.32	< 16	< 16	26.2	< 128	< 128	500

Radiation emission (30 meters) at fundamental frequency (refer to test report no. FCC-22634 issued by PKM Electronic GmbH) :

<u>Frequency (MHz)</u>	<u>Test Result_OP (dBμV/m)</u>	<u>Limit (dBμV/m)</u>
27.12	23	80

Date: 21 Jun 2000

☒ O.K.

Test result:

Operator: _____