



Network Partner



Nemko

Qualified Independent Laboratory

Interference Radiation

Measurement of Radiated Emissions (27MHz-1000MHz)

Acc: FCC Part 15 Subpart C



Accredited Laboratory

IECC Ref: 21744/0/400F
 Model: 20T27
 Applicant: ECHO TOYS LTD
 Ser.Nr.: 2
 Set under test: Remote Control Transmitter
 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	54.28	< 16	< 24	10.2	< 26	< 51	100
Harm. 3	81.42	< 16	< 16	7.1	< 14	< 14	100
Harm. 4	108.56	< 16	< 16	11.6	< 24	< 24	150
Harm. 5	135.7	< 16	< 16	14.3	< 33	< 33	150
Harm. 6	162.84	< 16	< 16	15.6	< 38	< 38	150
Harm. 7	189.98	< 16	< 16	16.3	< 41	< 41	150
Harm. 8	217.12	< 16	< 16	16.9	< 44	< 44	200
Harm. 9	244.26	< 16	< 16	17.6	< 48	< 48	200
Harm. 10	271.4	< 16	< 16	18.5	< 53	< 53	200
Harm. 11	298.54	< 16	< 16	19.9	< 62	< 62	200
Harm. 12	325.68	< 16	< 16	16.8	< 44	< 44	200
Harm. 13	352.82	< 16	< 16	17.5	< 47	< 47	200
Harm. 14	379.96	< 16	< 16	18.0	< 50	< 50	200
Harm. 15	407.1	< 16	< 16	18.4	< 53	< 53	200
Harm. 16	434.24	< 16	< 16	18.8	< 55	< 55	200
Harm. 17	461.38	< 16	< 16	19.2	< 57	< 57	200
Harm. 18	488.52	< 16	< 16	19.5	< 60	< 60	200
Harm. 19	515.66	< 16	< 16	19.9	< 62	< 62	200
Harm. 20	542.8	< 16	< 16	20.1	< 64	< 64	200
Harm. 21	569.94	< 16	< 16	20.5	< 67	< 67	200
Harm. 22	597.08	< 16	< 16	20.9	< 70	< 70	200
Harm. 23	624.22	< 16	< 16	21.2	< 73	< 73	200
Harm. 24	651.36	< 16	< 16	21.6	< 76	< 76	200
Harm. 25	678.5	< 16	< 16	22.1	< 80	< 80	200
Harm. 26	705.64	< 16	< 16	22.5	< 84	< 84	200
Harm. 27	732.78	< 16	< 16	22.8	< 86	< 86	200
Harm. 28	759.92	< 16	< 16	23.2	< 91	< 91	200
Harm. 29	787.06	< 16	< 16	23.5	< 95	< 95	200
Harm. 30	814.2	< 16	< 16	23.9	< 99	< 99	200
Harm. 31	841.34	< 16	< 16	24.3	< 103	< 103	200
Harm. 32	868.48	< 16	< 16	24.6	< 107	< 107	200
Harm. 33	895.62	< 16	< 16	24.9	< 112	< 112	200
Harm. 34	922.76	< 16	< 16	25.4	< 117	< 117	200
Harm. 35	949.9	< 16	< 16	25.8	< 123	< 123	200
Harm. 36	977.04	< 16	< 16	26.2	< 128	< 128	500

Radiation Measurement below 30 MHz (Using Loop Antenna)

Frequency	Maximum Test Result (dBμV/m)	Limit (dBμV/m)
	Peak Average	Peak Average
27.14	57 53	100 80

Note: The measured radiation outside the operation band below 30 MHz were negligible

Test result:

☒ O.K.
☐ Not O.K.