



Network Partner



Nemko
Qualified Independent Laboratory

Interference Radiation

Agent of



Approved Laboratory

Measurement of Radiated Emissions (27MHz-1000MHz)

Acc: FCC Part 15 Subpart C

IECC Ref: 22255A/0/400F
Model: 80-4245
Applicant: RADIOSHACK CORPORATION
Ser.Nr.: 1
Set under test: RC 3F Challenger
Connected sets:
Operating mode: Power "On"

Test Equipment
Receiver: ESVP Rohde & Schwarz
Antenna: Schwarzbeck BBA 9108
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	21	25	8.3	23	37	100
Harm. 3	81.36	22	26	5.2	23	36	100
Harm. 4	108.48	22	25	9.5	38	53	150
Harm. 5	135.6	18	< 16	12.2	28	< 26	150
Harm. 6	162.72	18	< 16	13.6	38	< 30	150
Harm. 7	189.84	19	< 16	14.8	49	< 35	150
Harm. 8	216.96	20	18	15.7	51	48	200
Harm. 9	244.08	23	20	16.5	95	67	200
Harm. 10	271.2	25	22	17.3	147	93	200
Harm. 11	298.32	21	18	18.0	89	50	200
Harm. 12	325.44	20	18	16.8	89	44	200
Harm. 13	352.56	19	< 16	17.4	88	< 47	200
Harm. 14	379.68	19	< 16	17.9	70	< 50	200
Harm. 15	406.8	< 16	< 16	18.4	< 62	< 52	200
Harm. 16	433.92	< 16	< 16	18.8	< 66	< 55	200
Harm. 17	461.04	< 16	< 16	19.2	< 57	< 57	200
Harm. 18	488.16	< 16	< 16	19.5	< 80	< 60	200
Harm. 19	515.28	< 16	< 16	19.9	< 82	< 62	200
Harm. 20	542.4	< 16	< 16	20.1	< 84	< 64	200
Harm. 21	569.52	< 16	< 16	20.5	< 87	< 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 metres) at fundamental frequency (refer to test report no. FCC-22265 issued by PKM Electronic GmbH):

Frequency (MHz)	Test Result, QP (dBμV/m)	Limit (dBμV/m)
27.12	40	80

Test result:

☒ O.K.
☐ Not O.K.

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