

Radiated Emission Measurement Results

PASSED.

Date of Test : Sep. 15, 2004 Temperature : 24

EUT : Fan-Light Remote Controller Humidity : 65%
 (Transmitter)

Test Position : EUT on Stand

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
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Fundamental Freq. (**Quasi-Peak Value**)

304.300	14.87	3.90	54.37	73.14	74.94	1.80
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Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
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Fundamental Freq. (**Quasi-Peak Value**)

304.300	15.17	3.90	39.49	58.56	74.94	16.38
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Remarks : Emission Level = Antenna Factor + Cable Loss + Meter Reading.

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Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
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Fundamental Freq. (**Quasi-Peak Value**)

304.300	14.87	3.90	54.07	72.84	74.94	2.10
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Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
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Fundamental Freq. (**Quasi-Peak Value**)

304.300	15.17	3.90	40.26	59.33	74.94	15.61
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Remarks : Emission Level = Antenna Factor + Cable Loss + Meter Reading.

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 (Transmitter)

Test Position : EUT on Lying

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
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Fundamental Freq. (**Quasi-Peak Value**)

304.300	14.87	3.90	54.45	73.22	74.94	1.72
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Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
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Fundamental Freq. (**Quasi-Peak Value**)

304.300	15.17	3.90	38.21	57.28	74.94	17.66
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Remarks : Emission Level = Antenna Factor + Cable Loss + Meter Reading.

Radiated Emission Measurement Results

PASSED. All emissions not reported below are too low against the prescribed limits.

Date of Test : Sep. 10, 2004 Temperature : 25

EUT : Fan-Light Remote Controller Humidity : 67%
 (Transmitter)

Test Position : EUT on Stand

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dB μ V	Emission Level Horizontal dB μ V/m	Limits dB μ V/m	Margin dB
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Spurious / Harmonic Freq. (Below 1000MHz, Quasi-Peak Value)

58.080	13.43	1.60	5.20	20.23	40.00	19.77
91.830	16.08	2.00	7.16	25.24	43.50	18.26
101.280	17.17	2.10	7.10	26.37	43.50	17.13
160.680	20.82	2.70	3.90	27.42	43.50	16.08
608.400	21.47	6.20	13.98	41.65	46.00	4.35
912.500	24.98	7.40	3.54	35.92	46.00	10.08

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dB μ V	Emission Level Vertical dB μ V/m	Limits dB μ V/m	Margin dB
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Spurious / Harmonic Freq. (Below 1000MHz, Quasi-Peak Value)

46.740	17.09	1.40	7.14	25.63	40.00	14.37
62.130	13.37	1.60	9.31	24.28	40.00	15.72
93.990	17.01	2.00	3.40	22.41	43.50	21.09
129.090	18.43	2.40	5.54	26.37	43.50	17.13
131.790	18.94	2.40	5.75	27.09	43.50	16.41
144.480	20.94	2.60	3.57	27.11	43.50	16.39
608.400	21.68	6.20	14.78	42.66	46.00	3.34
912.500	25.69	7.40	4.53	37.62	46.00	8.38

- Remarks : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 10th harmonics (~5.5GHz), but the emission levels were too low against the official limit and not report.

Date of Test : Sep. 10, 2004 Temperature : 25

EUT : Fan-Light Remote Controller (Transmitter) Humidity : 67%

Test Position : EUT on Side

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBµV	Emission Level Horizontal dBµV/m	Limits dBµV/m	Margin dB

Spurious / Harmonic Freq. (Below 1000MHz, Quasi-Peak Value)						
91.830	16.08	2.00	7.15	25.23	43.50	18.27
162.030	20.85	2.70	4.78	28.33	43.50	15.17
174.990	21.13	2.85	3.84	27.82	43.50	15.68
203.340	22.01	3.10	4.69	29.80	43.50	13.70
274.080	25.19	3.70	2.46	31.35	46.00	14.65
608.400	21.47	6.20	14.70	42.37	46.00	3.63
912.500	24.98	7.40	0.91	33.29	46.00	12.71

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBµV	Emission Level Vertical dBµV/m	Limits dBµV/m	Margin dB

Spurious / Harmonic Freq. (Below 1000MHz, Quasi-Peak Value)						
52.140	15.42	1.50	4.70	21.62	40.00	18.38
99.930	17.62	2.10	2.59	22.31	43.50	21.19
131.790	18.94	2.40	5.20	26.54	43.50	16.96
151.500	21.87	2.60	1.83	26.30	43.50	17.20
247.080	24.78	3.50	1.54	29.82	46.00	16.18
608.400	21.68	6.20	15.64	43.52	46.00	2.48
912.500	25.69	7.40	3.21	36.30	46.00	9.70

- Remarks : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
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EUT : Fan-Light Remote Controller Humidity : 67%
 (Transmitter)

Test Position : EUT on Lying

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Spurious / Harmonic Freq. (Below 1000MHz, Quasi-Peak Value)						
62.940	12.04	1.63	10.45	24.12	40.00	15.88
91.830	16.08	2.00	7.31	25.39	43.50	18.11
100.740	17.17	2.10	6.44	25.71	43.50	17.79
156.090	20.70	2.70	4.02	27.42	43.50	16.08
243.030	23.29	3.40	3.41	30.10	46.00	15.90
608.400	21.47	6.20	15.85	43.52	46.00	2.48
912.500	24.98	7.40	3.38	35.76	46.00	10.24

Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Spurious / Harmonic Freq. (Below 1000MHz, Quasi-Peak Value)						
54.840	14.36	1.50	11.32	27.18	40.00	12.82
102.090	17.58	2.10	8.20	27.88	43.50	15.62
131.790	18.94	2.40	9.22	30.56	43.50	12.94
181.740	21.40	2.90	5.87	30.17	43.50	13.33
213.330	22.38	3.10	6.98	32.46	43.50	11.04
608.400	21.68	6.20	15.57	43.45	46.00	2.55
912.500	25.69	7.40	2.15	35.24	46.00	10.76

- Remarks : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Measurement was up to 10th harmonics (~5.5GHz), but the emission levels were too low against the official limit and not report.