



HomeTek Technology Inc.

Appendix D

SUPPLEMENT OF TEST DATA

1 RESULT OF RADIATED EMISSION TEST (1)

- 1.1 The frequency range from 30 MHz to 1 GHz was investigated.
- 1.2 All readings below or equal 1 GHz are quasi-peak or peak values with resolution bandwidth of 120 KHz. The reading of fundamental frequency is peak or average values. With resolution bandwidth of 120KHz.
- 1.3 The measurements were made at 3 meters of HomeTek Lab's open site III.
- 1.4 Temperature : 33 °C, Humidity : 55 % RH.
- 1.5 Deviation form the test standards and rules : None.
- 1.6 Radiated Emission data : **Horizontal**

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Read Level (dBuV)	ANT Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Detector
30.58	32.01	40.00	-7.99	43.96	17.25	0.69	29.89	Peak
* 88.10	40.90	47.90	-7.00	60.58	8.35	1.21	29.24	Peak
176.20	37.79	43.50	-5.71	57.00	8.60	1.68	29.49	Peak
264.30	35.76	46.00	-10.24	50.64	12.55	2.12	29.55	Peak
352.40	34.34	46.00	-11.66	46.66	14.44	2.53	29.29	Peak
440.50	32.28	46.00	-13.72	41.98	16.26	2.88	28.84	Peak
528.60	31.06	46.00	-14.94	38.20	17.99	3.20	28.33	Peak
616.70	27.14	46.00	-18.86	32.55	19.10	3.52	28.03	Peak

- Emission Level = Read Level – Preamp Factor + ANT Factor + Cable Loss.
- Sample Calculation for 616.70 MHz .
- Corrected Reading : (32.55) - (28.03) + (19.10) + (3.52) = 27.14 .

1.7 Radiated Emission data : **Vertical**

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Read Level (dBuV)	ANT Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Detector
30.98	32.27	40.00	-7.73	44.41	17.05	0.70	29.89	Peak
* 88.10	40.98	47.90	-6.92	60.66	8.35	1.21	29.24	Peak
176.20	38.58	43.50	-4.92	57.79	8.60	1.68	29.49	Peak
264.30	38.03	46.00	-7.97	52.91	12.55	2.12	29.55	Peak
352.40	36.83	46.00	-9.17	49.15	14.44	2.53	29.29	Peak
440.50	34.96	46.00	-11.04	44.66	16.26	2.88	28.84	Peak
528.60	31.85	46.00	-14.15	38.99	17.99	3.20	28.33	Peak
616.70	28.05	46.00	-17.95	33.46	19.10	3.52	28.03	Peak

- Emission Level = Read Level – Preamp Factor + ANT Factor + Cable Loss.
- Sample Calculation for 616.70 MHz .
- Corrected Reading : (33.46) - (28.03) + (19.10) + (3.52) = 28.05 .

REMARK :

1. Model : GSM Mod 51
2. Measuring mode : FM 88.1 Mode
3. “*”, means this frequency is fundamental.
4. Result : **PASSED**

2 RESULT OF RADIATED EMISSION TEST (2)

2.1 The frequency range from 30 MHz to 1 GHz was investigated.

2.2 All readings below or equal 1 GHz are quasi-peak or peak values with resolution bandwidth of 120 KHz. The reading of fundamental frequency is peak or average values. With resolution bandwidth of 120KHz.

2.3 The measurements were made at 3 meters of HomeTek Lab's open site III.

2.4 Temperature : 33 °C, Humidity : 55 % RH.

2.5 Deviation form the test standards and rules : None.

2.6 Radiated Emission data : **Horizontal**

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Read Level (dBuV)	ANT Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Detector
30.82	31.29	40.00	-8.71	43.39	17.10	0.69	29.89	Peak
* 89.50	40.05	47.90	-7.85	59.42	8.61	1.23	29.21	Peak
179.00	35.71	43.50	-7.79	54.92	8.60	1.69	29.50	Peak
268.50	33.10	46.00	-12.90	47.84	12.67	2.14	29.55	Peak
358.00	31.78	46.00	-14.22	43.89	14.61	2.55	29.27	Peak
447.50	30.68	46.00	-15.32	40.28	16.29	2.90	28.79	Peak
537.00	28.84	46.00	-17.16	35.76	18.13	3.24	28.29	Peak
626.50	27.24	46.00	-18.76	32.65	19.10	3.53	28.04	Peak

- Emission Level = Read Level – Preamp Factor + ANT Factor + Cable Loss.
- Sample Calculation for 626.50 MHz .
- Corrected Reading : (32.65) - (28.04) + (19.10) + (3.53) = 27.24 .

2.7 Radiated Emission data : **Vertical**

Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Read Level (dBuV)	ANT Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Detector
30.41	32.71	40.00	-7.29	44.61	17.30	0.69	29.89	Peak
* 89.50	39.78	47.90	-8.12	59.15	8.61	1.23	29.21	Peak
179.00	34.68	43.50	-8.82	53.89	8.60	1.69	29.50	Peak
268.50	32.70	46.00	-13.30	47.48	12.64	2.13	29.55	Peak
358.00	29.16	46.00	-16.84	41.31	14.58	2.55	29.28	Peak
447.50	27.50	46.00	-18.50	37.11	16.29	2.90	28.80	Peak
537.00	26.05	46.00	-19.95	33.02	18.10	3.23	28.30	Peak
626.50	24.61	46.00	-21.39	30.02	19.10	3.53	28.04	Peak

- Emission Level = Read Level – Preamp Factor + ANT Factor + Cable Loss.
- Sample Calculation for 626.50 MHz .
- Corrected Reading : (30.02) - (28.04) + (19.10) + (3.53) = 24.61 .

REMARK :

1. Model : GSM Mod 51
2. Measuring mode : FM 89.5 Mode
3. “*”, means this frequency is fundamental.
4. Result : **PASSED**