

Test Data

Table 6.1-1 RFI Voltage Measurement Results (Q-Peak Measurement)

Operating mode: Digital mode

- Scroll All "H" Display
- Resolution 1280 × 1024
- Vertical frequency 60Hz

Test procedure: ANSI C63.4-1992

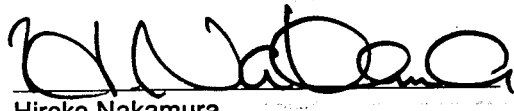
Date of measurement: February 28, 2001

Temperature: 10 degree C

Humidity: 47 %

Frequency (MHz)	Level (dBμV)	Total Factor(dB)	Result (dBμV)	Result (μV)	Limit (μV)	Margin (dB)
2.888	37.5	0.2	37.7	76.74	250	10.3
2.947	36.0	0.2	36.2	64.57	250	11.8
3.008	37.5	0.2	37.7	76.74	250	10.3
3.070	38.5	0.2	38.7	86.10	250	9.3
4.637	32.0	0.3	32.3	41.21	250	15.7
4.697	32.0	0.3	32.3	41.21	250	15.7
2.894	37.0	0.1	37.1	71.61	250	10.9
2.952	35.0	0.1	35.1	56.89	250	12.9
3.012	37.5	0.1	37.6	75.86	250	10.4
3.072	37.5	0.1	37.6	75.86	250	10.4
4.637	34.5	0.3	34.8	54.95	250	13.2
4.697	35.0	0.3	35.3	58.21	250	12.7

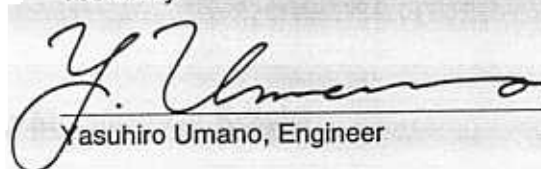
Report processed by



Hiroko Nakamura

05/Mar./2001

Tested by



Yasuhiro Umano, Engineer

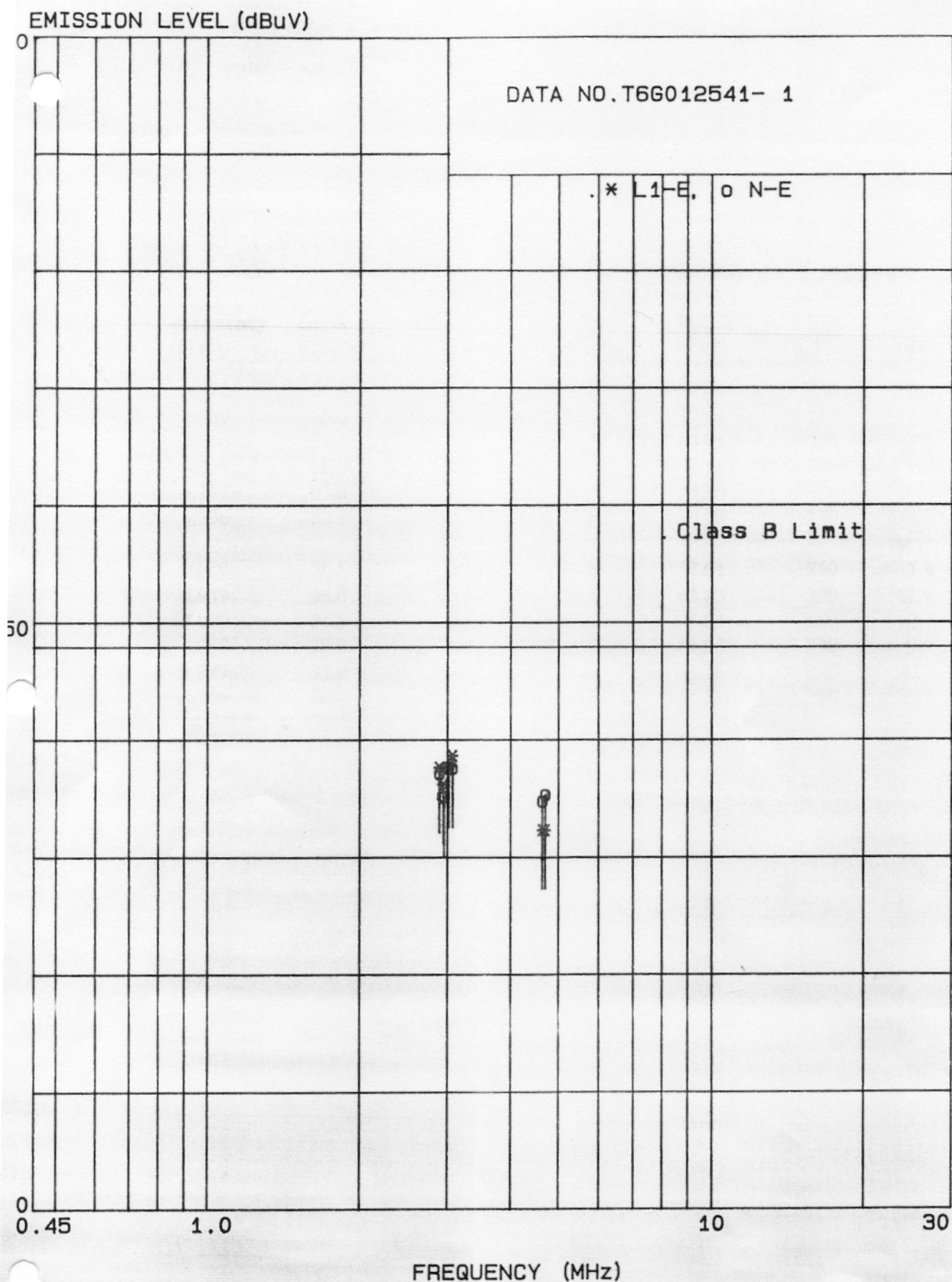


Figure 6.1-1 RFI Voltage Measurement Results

6 TEST RESULTS

6.1 RFI Voltage Measurement

6.1.1 Measurement Instrumentation Used

(model/serial no./manufacturer/Tokin control no./last calibration/next calibration)

Field strength meter (FCKL1528/134/Schwarzbeck/RE041/01 Dec.'00/Nov.'01)

L.I.S.N. (KNW-407/8-515-20/Kyoritsu/LI010/28 Aug.'00/Aug.'01)

2nd L.I.S.N..... (PN-T22/9401/Tokin/LI064/17 Feb.'01/Feb.'02)

Spectrum analyzer (R3131/81781091/Advantest/SP040/23 Mar.'00/Mar.'01)

Coaxial cable..... (---/---/---/DK124/28 Feb.'01/Feb.'02)

Data entry system..... (TEPTO-REP Ver. 2.20/- /TSJ/---/---/---)

Software (EP5/CE Ver. 1.30/---/TOYO/---/---/---)

Shielded Room..... (Tsukuba No.1-S/---/Tokin/SA016/---/---)

These measurement instrumentation are calibrated according to Quality Manual.

Measurement Procedure

The power line conducted interference measurements were performed according to ANSI C63.4-1992 in a shielded enclosure No.1 with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded enclosure wall. There are no deviations from the standard.

The EUT was plugged into the LISN and the frequency range of interest scanned.

Reported are maximized emission levels.

Test results had obtained from following equation.

$$\text{Result (dB}\mu\text{V)} = \text{Level (dB}\mu\text{V)} + \text{Total Factor (dB)}$$

<Decision to Pass or Fail>

To judge pass or fail of the test result, it was added "uncertainty" to the obtained data and then subtracted it from the limit value. If all the values are +(plus), it will be passed, and if there is -(minus), it will be failed.

Measurement Uncertainty

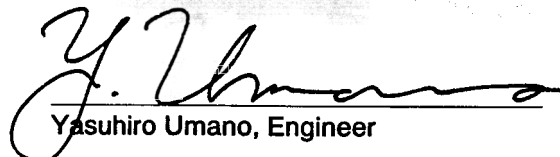
Measurement uncertainty of RFI Voltage Measurement test was estimated at $\pm 0.6\text{dB}(k=2)$.

Report processed by



Hiroko Nakamura
05/Mar./2001

Tested by



Yasuhiro Umamo, Engineer