

## ***EMC* EMISSION - TEST REPORT**

JQA APPLICATION No. : KL80010255

Name of Product : HF/VHF Transceiver

Model/Type No. : IC-756PRO2

FCC ID : AFJ IC-756PRO2

Applicant : ICOM Incorporated

Address : 1-6-19, Kuratsukuri, Kami, Hirano-ku, Osaka, Japan

Manufacturer : ICOM Incorporated

Address : 1-6-19, Kuratsukuri, Kami, Hirano-ku, Osaka, Japan

Receive date of EUT : August 1, 2001

***Final Judgement*** : Passed

***TEST RESULTS IN THIS REPORT*** are obtained in use of equipment that is traceable to National Institute of Advanced Industrial Science and Technology(AIST) under METI Japan and Communications Research Lab.(CRL) under MPHPT Japan.

***THE TEST RESULTS*** only responds to the test sample. This test report shall not be reproduced except in full.

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## **TEST REGULATION**

FCC Rules and Regulations Part 15 Subpart A and B (February 28, 2001)

- ☐ - Class A Digital Device
- ☐ - Class B Digital Device
- ☒ - Scanning Receiver

### **Test procedure:**

The tests were performed according to the procedures in ANSI C63.4-1992.

## **GENERAL INFORMATION**

### **Test facility:**

- 1) Test Facility located at Kita-Kansai : 1st and 2nd Open Sites (3 m Site)  
Test Facility located at Kameoka Open Site (3, 10 and 30 m, on common plane)  
**FCC filing No. : 31040/SIT 1300F2**
- 2) KITA-KANSAI TESTING CENTER is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance established in Title 15, Part 285 Code of Federal Regulations.  
**NVLAP Lab Code: 200191-0**

### **Description of the Equipment Under Test (EUT):**

- 1) Name : HF/VHF Transceiver
- 2) Model/Type No. : IC-756PRO2
- 3) Product Type : Pre-Production (S/N: 01005)
- 4) Category : Scanning Receiver
- 5) EUT Authorization : ☐ - Verification   ☒ - Certification   ☐ - D.o.C.
- 6) Highest frequency used/generated : 124.455 MHz
- 7) Power Rating : DC 13.8V

### **Definitions for symbols used in this test report:**

- ☒ - Black box indicates that the listed condition, standard or equipment is applicable for this Report.
- ☐ - Blank box indicates that the listed condition, standard or equipment is not applicable for this Report.

## TEST CONDITIONS

### **AC Powerline Conducted Emission Measurement**

was performed in the following test site.

#### **Test location:**

KITA-KANSAI Testing Center

7-7, Ishimaru, 1-Chome, Mino-Shi, Osaka, 562-0027, Japan

● - Shielded room

KAMEOKA EMC Branch

9-1, Ozaki, Inukanno, Nishibetsuin-Cho, Kameoka-Shi, Kyoto, 621-0126, Japan

○ - Shielded room

○ - On metal plane of open site

#### **Used test instruments and sites:**

| Model No.         | Device ID | Last Cal. Date | Cal. Interval |
|-------------------|-----------|----------------|---------------|
| ○ - ESCS 30       | A - 1     |                |               |
| ● - ESH 2         | A - 2     | May, 2001      | 1 Year        |
| ○ - ESH 2         | A - 3     |                |               |
| ● - KNW-407       | D - 6     | January, 2001  | 1 Year        |
| ○ - KNW-408       | D - 11    |                |               |
| ○ - KNW-242       | D - 7     |                |               |
| ○ - ESH3-Z5       | D - 12    |                |               |
| ○ - KNW-341C      | D - 13    |                |               |
| ○ - KNW-408       | D - 14    |                |               |
| ○ - KNW-244C      | D - 77    |                |               |
| ○ - KNW-408       | D - 78    |                |               |
| ○ - ESH2-Z5       | D - 10    |                |               |
| ○ - ESH2-Z3       | D - 17    |                |               |
| ○ - 65 BNC-50-0-1 | H - 26    |                |               |
| ○ - 65 BNC-50-0-1 | H - 27    |                |               |
| ○ - Cable         | H - 7     |                |               |
| ● - Cable         | H - 8     | January, 2001  | 1 Year        |

#### **Environmental conditions:**

Temperature: 28 °C Humidity: 55 %

### Electromagnetic Field Radiated Emission Measurement

was performed in horizontal and vertical polarization, in the frequency range of 30 MHz - 1000 MHz, in the following test site.

#### Test location:

KITA-KANSAI Testing Center

7-7, Ishimaru, 1-Chome, Mino-Shi, Osaka, 562-0027, Japan

● - 1st open test site (3 meters) (for Local Frequency)

● - 2nd open test site (3 meters)(for other Disturbance)

KAMEOKA EMC Branch

9-1, Ozaki, Inukanno, Nishibetsuin-Cho, Kameoka-Shi, Kyoto, 621-0126, Japan

○ - 1st open test site                      ○ - 3 m              ○ - 10 m              ○ - 30 m

○ - 2nd open test site                      ○ - 3 m              ○ - 10 m

#### Validation of Site Attenuation:

1) Last Confirmed Date : October 24, 2000 for 1st open test site

October 26, 2000 for 2nd open test site

2) Interval : 1 Year

#### Used test instruments:

| Model No.      | Device ID      | Last Cal. Date | Cal. Interval |
|----------------|----------------|----------------|---------------|
| ● - ESV/ESV-Z3 | A - 7 / A - 17 | December, 2000 | 1 Year        |
| ● - ESV/ESV-Z3 | A - 6 / A - 18 | December, 2000 | 1 Year        |
| ○ - ESV/ESV-Z3 | A - 4 / A - 20 |                |               |
| ○ - ESV/ESV-Z3 | A - 8 / A - 19 |                |               |
| ○ - ESVS 10    | A - 5          |                |               |
| ● - KBA-511A   | C - 12         | November, 2000 | 1 Year        |
| ● - KBA-611    | C - 22         | November, 2000 | 1 Year        |
| ● - KBA-511A   | C - 13         | November, 2000 | 1 Year        |
| ● - KBA-611    | C - 19         | November, 2000 | 1 Year        |
| ○ - KBA-511A   | C - 11         |                |               |
| ○ - KBA-611    | C - 21         |                |               |
| ○ - Cable      | H - 1          |                |               |
| ○ - Cable      | H - 2          |                |               |
| ● - Cable      | H - 5          | November, 2000 | 1 Year        |
| ● - Cable      | H - 6          | November, 2000 | 1 Year        |
| ○ - Cable      | H - 9          |                |               |

#### Environmental conditions:

Temperature: 30 °C      Humidity: 65 % (August 10, 2001)  
Temperature: 32 °C      Humidity: 65 % (August 15, 2001)

### Electromagnetic Field Radiated Emission Measurement

was performed in horizontal and vertical polarization, in the frequency range of 1 GHz - 2 GHz, in the following test site.

#### Test location:

KITA-KANSAI Testing Center

7-7, Ishimaru, 1-Chome, Mino-Shi, Osaka, 562-0027, Japan

○ - 1st open test site (3 meters)

○ - 2nd open test site (3 meters)

KAMEOKA EMC Branch

9-1, Ozaki, Inukanno, Nishibetsuin-Cho, Kameoka-Shi, Kyoto, 621-0126, Japan

○ - 1st open test site                      ○ - 3 m              ○ - 10 m              ○ - 30 m

○ - 2nd open test site                      ○ - 3 m              ○ - 10 m

#### Used test instruments:

| Model No.        | Device ID   | Last Cal. Date | Cal. Interval |
|------------------|-------------|----------------|---------------|
| ○ - ESCS 30      | A - 1       |                |               |
| ○ - 8566B        | A - 13      |                |               |
| ○ - 8593A        | A - 15      |                |               |
| ○ - ESV          | A - 6       |                |               |
| ○ - 4T-10        | D - 73      |                |               |
| ○ - 4T-10        | D - 74      |                |               |
| ○ - WJ-6611-513  | A - 23      |                |               |
| ○ - WJ-6882-824  | A - 21      |                |               |
| ○ - DBL-0618N515 | A - 33      |                |               |
| ○ - 91888-2      | C - 41 - 1  |                |               |
| ○ - 91889-2      | C - 41 - 2  |                |               |
| ○ - 94613-1      | C - 41 - 3  |                |               |
| ○ - 91891-2      | C - 41 - 4  |                |               |
| ○ - 94614-1      | C - 41 - 5  |                |               |
| ○ - 3160-09      | C - 48      |                |               |
| ○ - 355C         | D - 22      |                |               |
| ○ - 355D         | D - 23      |                |               |
| ○ - 8494H/8595H  | D - 76      |                |               |
| ○ - MZ5010C      | D - 81      |                |               |
| ○ - Cable        | C - 40 - 11 |                |               |
| ○ - Cable        | C - 40 - 12 |                |               |

#### Environmental conditions:

Temperature: \_\_\_\_\_ °C      Humidity: \_\_\_\_\_ %

### Antenna-Conducted Power Measurement

was performed in the frequency range of 30 MHz - 1000 MHz, in the following test site.

#### Test location:

KITA-KANSAI Testing Center

7-7, Ishimaru, 1-Chome, Mino-Shi, Osaka, 562-0027, Japan

● - Shielded room

○ - Anechoic chamber

KAMEOKA EMC Branch

9-1, Ozaki, Inukanno, Nishibetsuin-Cho, Kameoka-Shi, Kyoto, 621-0126, Japan

○ - Shielded room

#### Used test instruments:

| Model No.     | Device ID  | Last Cal. Date | Cal. Interval |
|---------------|------------|----------------|---------------|
| ● - ESCS 30   | A - 1      | August, 2000   | 1 Year        |
| ○ - 8566B     | A - 13     |                |               |
| ○ - 8593A     | A - 15     |                |               |
| ○ - ESV       | A - 6      |                |               |
| ○ - LSG-221   | B - 15     | June, 2001     | 1 Year        |
| ○ - 216/1     | B - 16     |                |               |
| ○ - MP614A    | D - 56     |                |               |
| ○ - 12B50/75  | D - 55     |                |               |
| ○ - 12N50/75B | D - 72     |                |               |
| ● - 2-10      | D - 40     |                |               |
| ○ - 1506A     | D - 21     | June, 2001     | 1 Year        |
| ● - Cable     | C - 40 - 9 |                |               |

#### Environmental conditions:

Temperature: 24 °C      Humidity: 60 %

### 38dB Rejection Test (§15.121(b))

was performed in the following test site.

#### Test location:

KITA-KANSAI Testing Center

7-7, Ishimaru, 1-Chome, Mino-Shi, Osaka, 562-0027, Japan

● - Shielded room

○ - Anechoic chamber

KAMEOKA EMC Branch

9-1, Ozaki, Inukanno, Nishibetsuin-Cho, Kameoka-Shi, Kyoto, 621-0126, Japan

○ - Shielded room

#### Used test instruments:

| Model No.  | Device ID | Last Cal. Date | Cal. Interval |
|------------|-----------|----------------|---------------|
| ● - MG645A | B - 4     | April, 2001    | 1 Year        |
| ○ - 339A   | --        |                |               |

#### Environmental conditions:

Temperature: 24 °C      Humidity: 60 %

### **CONFIGURATION OF EUT**

**The Equipment Under Test (EUT) consists of:**

| Description        | Applicant<br>(Manufacturer)              | Model No.<br>(Serial No.) | FCC ID         |
|--------------------|------------------------------------------|---------------------------|----------------|
| HF/VHF Transceiver | ICOM Incorporated<br>(ICOM Incorporated) | IC-756PRO2<br>(01005)     | AFJ IC-756PRO2 |

**The measurement was carried out with the following equipment connected:**

| Description          | Grantee/Distributor                | Model No.<br>(Serial No.) | FCC ID |
|----------------------|------------------------------------|---------------------------|--------|
| DC Power Supply      | ICOM Incorporated                  | IC-5P<br>(1793)           | N/A    |
| Antenna Tuner        | ICOM Incorporated                  | AH-4<br>(0026)            | N/A    |
| CI-V Level Converter | ICOM Incorporated                  | CT-17<br>(08434)          | N/A    |
| External Speaker     | ICOM Incorporated                  | SP-21<br>(--)             | N/A    |
| Microphone           | ICOM Incorporated                  | HM-36<br>(--)             | N/A    |
| Headphones           | Matsushita Electric Ind. Co., Ltd. | RP-HT242<br>(--)          | N/A    |

**Type of Interface Cable(s) and the AC Power Cord used with the EUT:**

|    | Description          | Port           | Shielded Cable | Shell Material | Ferrite Core | Cable Length |
|----|----------------------|----------------|----------------|----------------|--------------|--------------|
| 1  | EUT                  | PHONES         | NO             | --             | NO           | 3.0 m        |
|    | Headphones           | --             |                | --             |              |              |
| 2  | EUT                  | ELEC-KEY       | NO             | --             | NO           | 1.0 m        |
|    | No termination       | --             |                | --             |              |              |
| 3  | EUT                  | MIC            | YES            | Metal          | NO           | 0.5 m        |
|    | Microphone           | --             |                | --             |              |              |
| 4  | EUT                  | SEND           | YES            | Metal          | NO           | 1.0 m        |
|    | No termination       | --             |                | --             |              |              |
| 5  | EUT                  | ALC            | YES            | Metal          | NO           | 1.0 m        |
|    | No termination       | --             |                | --             |              |              |
| 6  | EUT                  | EXT SP         | NO             | --             | NO           | 1.0 m        |
|    | External Speaker     | --             |                | --             |              |              |
| 7  | EUT                  | REMOTE         | NO             | --             | NO           | 1.5 m        |
|    | CI-V Level Converter | CI-V REMOTE(1) |                | --             |              |              |
| 8  | EUT                  | ACC(1)         | NO             | --             | NO           | 0.8 m        |
|    | No termination       | --             |                | --             |              |              |
| 9  | EUT                  | ACC(2)         | NO             | --             | NO           | 0.8 m        |
|    | No termination       | --             |                | --             |              |              |
| 10 | EUT                  | KEY            | NO             | --             | NO           | 0.9 m        |
|    | No termination       | --             |                | --             |              |              |

(Next on next page)

|    | Description                                     | Port    | Shielded Cable | Shell Material | Ferrite Core | Cable Length |
|----|-------------------------------------------------|---------|----------------|----------------|--------------|--------------|
| 11 | EUT                                             | TUNER   | NO             | --             | NO           | 4.3 m        |
|    | Antenna Tuner                                   | --      |                | --             |              |              |
| 12 | EUT                                             | RX ANT  | --             | --             | --           | -- m         |
|    | 50Ω termination                                 | --      |                | --             |              |              |
| 13 | EUT                                             | ANT1    | --             | --             | --           | -- m         |
|    | 50Ω termination                                 | --      |                | --             |              |              |
| 14 | EUT                                             | ANT2    | --             | --             | --           | -- m         |
|    | 50Ω termination                                 | --      |                | --             |              |              |
| 15 | EUT                                             | XVERT   | NO             | --             | NO           | 1.3 m        |
|    | No termination                                  | --      |                | --             |              |              |
| 16 | EUT                                             | GND     | NO             | --             | NO           | 2.0 m        |
|    | --                                              | --      |                | --             |              |              |
| 17 | EUT                                             | DC13.8V | NO             | --             | NO           | 3.0 m        |
|    | DC Power Supply                                 | --      |                | --             |              |              |
| 18 | AC Power Cord(DC Power Supply)<br>1φ 2-pin plug | --      | NO             | --             | NO           | 1.6 m        |
| 19 | DC Power Supply                                 | GND     | NO             | --             | NO           | 1.4 m        |
|    | --                                              | --      |                | --             |              |              |

## Operation - mode of the EUT:

### 1) Relation between receiving frequency and local frequency

| No. | Receiving Frequency<br>[MHz] | Local Frequency [MHz] |         |        |
|-----|------------------------------|-----------------------|---------|--------|
|     |                              | 1st LO                | 2nd LO  | 3rd LO |
| 1   | 0.0300 - 1.5990              | 64.4850 - 66.0540     | 64.0000 | 0.4910 |
| 2   | 1.6000 - 1.9990              | 66.0550 - 66.4540     | 64.0000 | 0.4910 |
| 3   | 2.0000 - 2.9990              | 66.4550 - 67.4540     | 64.0000 | 0.4910 |
| 4   | 3.0000 - 3.9990              | 67.4550 - 68.4540     | 64.0000 | 0.4910 |
| 5   | 4.0000 - 5.9990              | 68.4550 - 70.4540     | 64.0000 | 0.4910 |
| 6   | 6.0000 - 7.9990              | 70.4550 - 72.4540     | 64.0000 | 0.4910 |
| 7   | 8.0000 - 10.9990             | 72.4550 - 75.4540     | 64.0000 | 0.4910 |
| 8   | 11.0000 - 14.9990            | 75.4550 - 79.4540     | 64.0000 | 0.4910 |
| 9   | 15.0000 - 21.9990            | 79.4550 - 86.4540     | 64.0000 | 0.4910 |
| 10  | 22.0000 - 29.9990            | 86.4550 - 94.4540     | 64.0000 | 0.4910 |
| 11  | 30.0000 - 49.9990            | 94.4550 - 114.4540    | 64.0000 | 0.4910 |
| 12  | 50.0000 - 53.9990            | 114.4550 - 118.4540   | 64.0000 | 0.4910 |
| 13  | 54.0000 - 60.0000            | 118.4550 - 124.4550   | 64.0000 | 0.4910 |

2) Respective Intermediate Frequency : 1st IF / 64.455 MHz (Upper)  
 2nd IF / 0.455 MHz (Lower)  
 3rd IF / 0.036 MHz (Upper)

3) Type of Antenna Terminal : ANT 1 / M-Type 50  $\Omega$  (Unbalanced)  
 ANT 2 / M-Type 50  $\Omega$  (Unbalanced)  
 RX ANT / RCA-Type 50  $\Omega$  (Unbalanced)

4) Receiving mode : AM

## Test system:

The EUT has three ANT (ANT 1, ANT 2, RX ANT) ports, two ACC ports, a SEND port, an ALC port, a REMOTE port, a TUNER port, a XVERT port, a EXT SP port, a PHONES port, a MIC port, a KEY port, and a ELEC-KEY port.

## Special accessories:

None

## The used (generated) frequencies in the EUT:

MAIN CPU : 19.66 MHz  
 SUB CPU : 9.8304 MHz  
 LCD CONT : 26 MHz  
 PLL IC : 32 MHz  
 CTRL UNIT CPU : 6.144 MHz  
 DSP UNIT : 40 MHz, 24.576 MHz

### **EUT Modification**

- - No modifications were conducted by JQA to achieve compliance to applied levels.
- - To achieve compliance to applied levels, the following change(s) were made by JQA during the compliance test.

— The modification(s) will be implemented in all production models of this equipment. —

|            |   |     |          |   |     |
|------------|---|-----|----------|---|-----|
| Applicant  | : | N/A | Date     | : | N/A |
| Typed Name | : | N/A | Position | : | N/A |

### **Responsible Party**

— Responsible Party of Test Item(Product) —

Responsible party :

Contact Person :

\_\_\_\_\_  
Signatory

### **Deviation from Standard**

- - No deviations from the standard described in page 3.
- - The following deviations were employed from the standard described in page 3.

\_\_\_\_\_  
\_\_\_\_\_

## TEST RESULTS

### AC Powerline Conducted Emission 450 kHz - 30 MHz

| The requirements are               | ● - Passed                                | ○ - Not Passed      |
|------------------------------------|-------------------------------------------|---------------------|
| Min. limit margin                  | <u>32.9</u> dB at <u>0.45</u> MHz         |                     |
| Max. limit exceeding               | <u>        </u> dB at <u>        </u> MHz |                     |
| Uncertainty of measurement results | <u>+ 2.1</u> dB(2σ)                       | <u>- 2.1</u> dB(2σ) |

Remarks: \_\_\_\_\_  
\_\_\_\_\_

### Electromagnetic Field Radiated Emission 30 MHz - 1000 MHz

| The requirements are                                   | ● - Passed                                    | ○ - Not Passed      |
|--------------------------------------------------------|-----------------------------------------------|---------------------|
| Min. limit margin                                      | More than <u>10.6</u> dB at <u>208.91</u> MHz |                     |
| Max. limit exceeding                                   | <u>        </u> dB at <u>        </u> MHz     |                     |
| Uncertainty of measurement results(1st open test site) | <u>+ 4.1</u> dB(2σ)                           | <u>- 4.2</u> dB(2σ) |
| Uncertainty of measurement results(2nd open test site) | <u>+ 4.9</u> dB(2σ)                           | <u>- 5.0</u> dB(2σ) |

Remarks: \_\_\_\_\_  
\_\_\_\_\_

### Antenna-Conducted Power 30 MHz - 1000 MHz

| The requirements are               | ● - Passed                                                        | ○ - Not Passed      |
|------------------------------------|-------------------------------------------------------------------|---------------------|
| Min. limit margin                  | <u>27.0</u> dB at <u>118.455</u> MHz<br>and at <u>124.455</u> MHz |                     |
| Max. limit exceeding               | <u>        </u> dB at <u>        </u> MHz                         |                     |
| Uncertainty of measurement results | <u>+ 2.3</u> dB(2σ)                                               | <u>- 2.3</u> dB(2σ) |

Remarks: \_\_\_\_\_  
\_\_\_\_\_

**38dB Rejection Test (§15.121(b))**

The requirements are

● - **Passed**

○ - **Not Passed**

Min. limit margin

\_\_\_\_\_ - \_\_\_\_\_ dB at \_\_\_\_\_ - \_\_\_\_\_ MHz

Max. limit exceeding

\_\_\_\_\_ dB at \_\_\_\_\_ MHz

Uncertainty of measurement results

\_\_\_\_\_ - \_\_\_\_\_ dB(2 $\sigma$ ) \_\_\_\_\_ - \_\_\_\_\_ dB(2 $\sigma$ )

**Remarks:** No frequency of response was detected.

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## SUMMARY

### GENERAL REMARKS :

The EUT was tested according to the requirements of FCC Rules and Regulations Part 15 Subpart A and B (February 28, 2001) under the test configuration, as shown in page 17.

The conclusion for the test items of which are required by the applied regulation is indicated under the final judgement.

### FINAL JUDGEMENT :

The "as received" sample;

- - fulfill the test requirements of the regulation mentioned on page 3.
- - fulfill the test requirements of the regulation mentioned on page 3, but with certain qualifications.
- - doesn't fulfill the test regulation mentioned on page 3.

Begin of testing : August 10, 2001

End of testing : August 23, 2001

- JAPAN QUALITY ASSURANCE ORGANIZATION -

Approved by :

Issued by :



\_\_\_\_\_  
Akio Hosoda  
Manager  
EMC Div.  
JQA KITA-KANSAI Testing Center

\_\_\_\_\_  
Shigeru Kinoshita  
Deputy Manager  
EMC Div.  
JQA KITA-KANSAI Testing Center

## AC Powerline Conducted Emission Measurement

### Scanning Receiver

Receiving Frequency : 52..0000 MHz

Test Date: August 10, 2001  
 Temp.: 28 °C ; Humi.: 55 %

| Frequency<br>[MHz] | Correction<br>Factor<br>[dB] | Meter Readings [dB(μV)] |    |       |    | Limits<br>[dB(μV)] | Results<br>[dB(μV)] |    | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------|------------------------------|-------------------------|----|-------|----|--------------------|---------------------|----|----------------|---------------------|
|                    |                              | VA                      |    | VB    |    |                    | QP                  | AV |                |                     |
|                    |                              | QP                      | AV | QP    | AV |                    |                     |    |                |                     |
| 0.45               | 0.1                          | <10.0                   | -  | 15.0  | -  | 48.0               | 15.1                | -  | +32.9          | A                   |
| 0.60               | 0.1                          | <10.0                   | -  | 12.0  | -  | 48.0               | 12.1                | -  | +35.9          | A                   |
| 1.00               | 0.1                          | <10.0                   | -  | <10.0 | -  | 48.0               | <10.1               | -  | >+37.9         | A                   |
| 5.00               | 0.4                          | <10.0                   | -  | <10.0 | -  | 48.0               | <10.4               | -  | >+37.6         | A                   |
| 10.00              | 0.5                          | <10.0                   | -  | <10.0 | -  | 48.0               | <10.5               | -  | >+37.5         | A                   |
| 14.50              | 0.6                          | <10.0                   | -  | <10.0 | -  | 48.0               | <10.6               | -  | >+37.4         | A                   |
| 20.00              | 0.8                          | <10.0                   | -  | <10.0 | -  | 48.0               | <10.8               | -  | >+37.2         | A                   |
| 30.00              | 0.9                          | <10.0                   | -  | <10.0 | -  | 48.0               | <10.9               | -  | >+37.1         | A                   |

Sample of calculated result at 0.45 MHz, as the Minimum Margin point:

Correction Factor = 0.1 dB  
 +) Meter Reading = 15.0 dB(μV)  
 Result = 15.1 dB(μV)

Minimum Margin : 48.0 - 15.1 = 32.9(dB)

The point shown on "\_\_\_\_" is the Minimum Margin Point.

Note 1:

1)The correction factor includes the LISN insertion loss and the cable loss.

#### Remarks:

| Note 2 | Detector Function | IF Bandwidth |
|--------|-------------------|--------------|
| A      | CISPR QP          | 9 kHz        |
| B      | Average           | 10 kHz       |

Tester : Yuzo Tanaka

## Electromagnetic Field Radiated Emission Measurement

### Scanning Receiver

Test Date: August 15, 2001  
 Temp.: 32 °C ; Humi.: 65 %

Tuning range: 0.0300 MHz - 1.5990 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 0.0300                               | 64.4850                        | 5.1                            | 1.3                     | 5.0                        | 1.0    | 40.0                 | 11.4                  | 7.4    | +28.6          | A                   |
|                                      | 128.9700                       | 11.1                           | 1.9                     | < 0.0                      | < 0.0  | 43.5                 | < 13.0                | < 13.0 | > +30.5        | A                   |
|                                      | 193.4550                       | 14.6                           | 2.5                     | < 0.0                      | < 0.0  | 43.5                 | < 17.1                | < 17.1 | > +26.4        | A                   |
|                                      | 257.9400                       | 17.1                           | 2.9                     | < 0.0                      | < 0.0  | 46.0                 | < 20.0                | < 20.0 | > +26.0        | A                   |
|                                      | 322.4250                       | 19.1                           | 3.3                     | < -5.0                     | < -5.0 | 46.0                 | < 17.4                | < 17.4 | > +28.6        | A                   |
|                                      | 386.9100                       | 20.8                           | 3.6                     | < -5.0                     | < -5.0 | 46.0                 | < 19.4                | < 19.4 | > +26.6        | A                   |
|                                      | 451.3950                       | 22.3                           | 4.0                     | < -5.0                     | < -5.0 | 46.0                 | < 21.3                | < 21.3 | > +24.7        | A                   |
|                                      | 515.8800                       | 23.6                           | 4.3                     | < -5.0                     | < -5.0 | 46.0                 | < 22.9                | < 22.9 | > +23.1        | A                   |
|                                      | 580.3650                       | 24.7                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.4                | < 24.4 | > +21.6        | A                   |
|                                      | 644.8500                       | 25.7                           | 4.9                     | < -5.0                     | < -5.0 | 46.0                 | < 25.6                | < 25.6 | > +20.4        | A                   |
|                                      | 709.3350                       | 26.6                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 26.8                | < 26.8 | > +19.2        | A                   |
|                                      | 773.8200                       | 27.5                           | 5.4                     | < -5.0                     | < -5.0 | 46.0                 | < 27.9                | < 27.9 | > +18.1        | A                   |
|                                      | 838.3050                       | 28.2                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 28.9                | < 28.9 | > +17.1        | A                   |
|                                      | 902.7900                       | 28.9                           | 5.9                     | < -5.0                     | < -5.0 | 46.0                 | < 29.8                | < 29.8 | > +16.2        | A                   |
|                                      | 967.2750                       | 29.6                           | 6.2                     | < -5.0                     | < -5.0 | 54.0                 | < 30.8                | < 30.8 | > +23.2        | A                   |
| 1.5990                               | 66.0540                        | 5.3                            | 1.4                     | 9.0                        | 2.0    | 40.0                 | 15.7                  | 8.7    | +24.3          | A                   |
|                                      | 132.1080                       | 11.3                           | 2.0                     | < 0.0                      | < 0.0  | 43.5                 | < 13.3                | < 13.3 | > +30.2        | A                   |
|                                      | 198.1620                       | 14.8                           | 2.5                     | < 0.0                      | < 0.0  | 43.5                 | < 17.3                | < 17.3 | > +26.2        | A                   |
|                                      | 264.2160                       | 17.3                           | 2.9                     | < 0.0                      | < 0.0  | 46.0                 | < 20.2                | < 20.2 | > +25.8        | A                   |
|                                      | 330.2700                       | 19.3                           | 3.3                     | < -5.0                     | < -5.0 | 46.0                 | < 17.6                | < 17.6 | > +28.4        | A                   |
|                                      | 396.3240                       | 21.1                           | 3.7                     | < -5.0                     | < -5.0 | 46.0                 | < 19.8                | < 19.8 | > +26.2        | A                   |
|                                      | 462.3780                       | 22.5                           | 4.0                     | < -5.0                     | < -5.0 | 46.0                 | < 21.5                | < 21.5 | > +24.5        | A                   |
|                                      | 528.4320                       | 23.8                           | 4.3                     | < -5.0                     | < -5.0 | 46.0                 | < 23.1                | < 23.1 | > +22.9        | A                   |
|                                      | 594.4860                       | 24.9                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.6                | < 24.6 | > +21.4        | A                   |
|                                      | 660.5400                       | 25.9                           | 4.9                     | < -5.0                     | < -5.0 | 46.0                 | < 25.8                | < 25.8 | > +20.2        | A                   |
|                                      | 726.5940                       | 26.8                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 27.0                | < 27.0 | > +19.0        | A                   |
|                                      | 792.6480                       | 27.7                           | 5.5                     | < -5.0                     | < -5.0 | 46.0                 | < 28.2                | < 28.2 | > +17.8        | A                   |
|                                      | 858.7020                       | 28.4                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 29.1                | < 29.1 | > +16.9        | A                   |
|                                      | 924.7560                       | 29.2                           | 6.0                     | < -5.0                     | < -5.0 | 46.0                 | < 30.2                | < 30.2 | > +15.8        | A                   |
|                                      | 990.8100                       | 29.8                           | 6.3                     | < -5.0                     | < -5.0 | 54.0                 | < 31.1                | < 31.1 | > +22.9        | A                   |

Tuning range: 1.6000 MHz - 1.9990 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 1.8000                               | 66.2550                        | 5.3                            | 1.4                     | 9.0                        | 2.0    | 40.0                 | 15.7                  | 8.7    | +24.3          | A                   |
|                                      | 132.5100                       | 11.3                           | 2.0                     | < 0.0                      | < 0.0  | 43.5                 | < 13.3                | < 13.3 | > +30.2        | A                   |
|                                      | 198.7650                       | 14.9                           | 2.5                     | < 0.0                      | < 0.0  | 43.5                 | < 17.4                | < 17.4 | > +26.1        | A                   |
|                                      | 265.0200                       | 17.4                           | 2.9                     | < 0.0                      | < 0.0  | 46.0                 | < 20.3                | < 20.3 | > +25.7        | A                   |
|                                      | 331.2750                       | 19.3                           | 3.3                     | < -5.0                     | < -5.0 | 46.0                 | < 17.6                | < 17.6 | > +28.4        | A                   |
|                                      | 397.5300                       | 21.1                           | 3.7                     | < -5.0                     | < -5.0 | 46.0                 | < 19.8                | < 19.8 | > +26.2        | A                   |
|                                      | 463.7850                       | 22.6                           | 4.0                     | < -5.0                     | < -5.0 | 46.0                 | < 21.6                | < 21.6 | > +24.4        | A                   |
|                                      | 530.0400                       | 23.8                           | 4.3                     | < -5.0                     | < -5.0 | 46.0                 | < 23.1                | < 23.1 | > +22.9        | A                   |
|                                      | 596.2950                       | 25.0                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.7                | < 24.7 | > +21.3        | A                   |
|                                      | 662.5500                       | 26.0                           | 4.9                     | < -5.0                     | < -5.0 | 46.0                 | < 25.9                | < 25.9 | > +20.1        | A                   |
|                                      | 728.8050                       | 26.9                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 27.1                | < 27.1 | > +18.9        | A                   |
|                                      | 795.0600                       | 27.7                           | 5.5                     | < -5.0                     | < -5.0 | 46.0                 | < 28.2                | < 28.2 | > +17.8        | A                   |
|                                      | 861.3150                       | 28.5                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 29.2                | < 29.2 | > +16.8        | A                   |
|                                      | 927.5700                       | 29.2                           | 6.0                     | < -5.0                     | < -5.0 | 46.0                 | < 30.2                | < 30.2 | > +15.8        | A                   |
|                                      | 993.8250                       | 29.8                           | 6.3                     | < -5.0                     | < -5.0 | 54.0                 | < 31.1                | < 31.1 | > +22.9        | A                   |

Tuning range: 2.0000 MHz - 2.9990 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 2.0000                               | 66.4550                        | 5.4                            | 1.4                     | 8.0                        | 2.0    | 40.0                 | 14.8                  | 8.8    | +25.2          | A                   |
|                                      | 132.9100                       | 11.4                           | 2.0                     | < 0.0                      | < 0.0  | 43.5                 | < 13.4                | < 13.4 | > +30.1        | A                   |
|                                      | 199.3650                       | 14.9                           | 2.5                     | < 0.0                      | < 0.0  | 43.5                 | < 17.4                | < 17.4 | > +26.1        | A                   |
|                                      | 265.8200                       | 17.4                           | 2.9                     | < 0.0                      | < 0.0  | 46.0                 | < 20.3                | < 20.3 | > +25.7        | A                   |
|                                      | 332.2750                       | 19.4                           | 3.3                     | < -5.0                     | < -5.0 | 46.0                 | < 17.7                | < 17.7 | > +28.3        | A                   |
|                                      | 398.7300                       | 21.1                           | 3.7                     | < -5.0                     | < -5.0 | 46.0                 | < 19.8                | < 19.8 | > +26.2        | A                   |
|                                      | 465.1850                       | 22.6                           | 4.0                     | < -5.0                     | < -5.0 | 46.0                 | < 21.6                | < 21.6 | > +24.4        | A                   |
|                                      | 531.6400                       | 23.9                           | 4.3                     | < -5.0                     | < -5.0 | 46.0                 | < 23.2                | < 23.2 | > +22.8        | A                   |
|                                      | 598.0950                       | 25.0                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.7                | < 24.7 | > +21.3        | A                   |
|                                      | 664.5500                       | 26.0                           | 4.9                     | < -5.0                     | < -5.0 | 46.0                 | < 25.9                | < 25.9 | > +20.1        | A                   |
|                                      | 731.0050                       | 26.9                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 27.1                | < 27.1 | > +18.9        | A                   |
|                                      | 797.4600                       | 27.7                           | 5.5                     | < -5.0                     | < -5.0 | 46.0                 | < 28.2                | < 28.2 | > +17.8        | A                   |
|                                      | 863.9150                       | 28.5                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 29.2                | < 29.2 | > +16.8        | A                   |
|                                      | 930.3700                       | 29.2                           | 6.0                     | < -5.0                     | < -5.0 | 46.0                 | < 30.2                | < 30.2 | > +15.8        | A                   |
|                                      | 996.8250                       | 29.9                           | 6.3                     | < -5.0                     | < -5.0 | 54.0                 | < 31.2                | < 31.2 | > +22.8        | A                   |
| 2.9990                               | 67.4540                        | 5.5                            | 1.4                     | 8.0                        | 1.0    | 40.0                 | 14.9                  | 7.9    | +25.1          | A                   |
|                                      | 134.9080                       | 11.5                           | 2.0                     | < 0.0                      | < 0.0  | 43.5                 | < 13.5                | < 13.5 | > +30.0        | A                   |
|                                      | 202.3620                       | 15.0                           | 2.5                     | < 0.0                      | < 0.0  | 43.5                 | < 17.5                | < 17.5 | > +26.0        | A                   |
|                                      | 269.8160                       | 17.5                           | 2.9                     | < 0.0                      | < 0.0  | 46.0                 | < 20.4                | < 20.4 | > +25.6        | A                   |
|                                      | 337.2700                       | 19.5                           | 3.3                     | < -5.0                     | < -5.0 | 46.0                 | < 17.8                | < 17.8 | > +28.2        | A                   |
|                                      | 404.7240                       | 21.3                           | 3.7                     | < -5.0                     | < -5.0 | 46.0                 | < 20.0                | < 20.0 | > +26.0        | A                   |
|                                      | 472.1780                       | 22.7                           | 4.1                     | < -5.0                     | < -5.0 | 46.0                 | < 21.8                | < 21.8 | > +24.2        | A                   |
|                                      | 539.6320                       | 24.0                           | 4.4                     | < -5.0                     | < -5.0 | 46.0                 | < 23.4                | < 23.4 | > +22.6        | A                   |
|                                      | 607.0860                       | 25.1                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.8                | < 24.8 | > +21.2        | A                   |
|                                      | 674.5400                       | 26.1                           | 5.0                     | < -5.0                     | < -5.0 | 46.0                 | < 26.1                | < 26.1 | > +19.9        | A                   |
|                                      | 741.9940                       | 27.0                           | 5.3                     | < -5.0                     | < -5.0 | 46.0                 | < 27.3                | < 27.3 | > +18.7        | A                   |
|                                      | 809.4480                       | 27.9                           | 5.5                     | < -5.0                     | < -5.0 | 46.0                 | < 28.4                | < 28.4 | > +17.6        | A                   |
|                                      | 876.9020                       | 28.6                           | 5.8                     | < -5.0                     | < -5.0 | 46.0                 | < 29.4                | < 29.4 | > +16.6        | A                   |
|                                      | 944.3560                       | 29.4                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.6                | < 30.6 | > +15.4        | A                   |

Tuning range: 3.0000 MHz - 3.9990 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 3.0000                               | 67.4550                        | 5.5                            | 1.4                     | 8.0                        | 1.0    | 40.0                 | 14.9                  | 7.9    | +25.1          | A                   |
|                                      | 134.9100                       | 11.5                           | 2.0                     | < 0.0                      | < 0.0  | 43.5                 | < 13.5                | < 13.5 | > +30.0        | A                   |
|                                      | 202.3650                       | 15.0                           | 2.5                     | < 0.0                      | < 0.0  | 43.5                 | < 17.5                | < 17.5 | > +26.0        | A                   |
|                                      | 269.8200                       | 17.5                           | 2.9                     | < 0.0                      | < 0.0  | 46.0                 | < 20.4                | < 20.4 | > +25.6        | A                   |
|                                      | 337.2750                       | 19.5                           | 3.3                     | < -5.0                     | < -5.0 | 46.0                 | < 17.8                | < 17.8 | > +28.2        | A                   |
|                                      | 404.7300                       | 21.3                           | 3.7                     | < -5.0                     | < -5.0 | 46.0                 | < 20.0                | < 20.0 | > +26.0        | A                   |
|                                      | 472.1850                       | 22.7                           | 4.1                     | < -5.0                     | < -5.0 | 46.0                 | < 21.8                | < 21.8 | > +24.2        | A                   |
|                                      | 539.6400                       | 24.0                           | 4.4                     | < -5.0                     | < -5.0 | 46.0                 | < 23.4                | < 23.4 | > +22.6        | A                   |
|                                      | 607.0950                       | 25.1                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.8                | < 24.8 | > +21.2        | A                   |
|                                      | 674.5500                       | 26.1                           | 5.0                     | < -5.0                     | < -5.0 | 46.0                 | < 26.1                | < 26.1 | > +19.9        | A                   |
|                                      | 742.0050                       | 27.0                           | 5.3                     | < -5.0                     | < -5.0 | 46.0                 | < 27.3                | < 27.3 | > +18.7        | A                   |
|                                      | 809.4600                       | 27.9                           | 5.5                     | < -5.0                     | < -5.0 | 46.0                 | < 28.4                | < 28.4 | > +17.6        | A                   |
|                                      | 876.9150                       | 28.6                           | 5.8                     | < -5.0                     | < -5.0 | 46.0                 | < 29.4                | < 29.4 | > +16.6        | A                   |
|                                      | 944.3700                       | 29.4                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.6                | < 30.6 | > +15.4        | A                   |
| 3.9990                               | 68.4540                        | 5.6                            | 1.5                     | 7.0                        | < 0.0  | 40.0                 | 14.1                  | < 7.1  | +25.9          | A                   |
|                                      | 136.9080                       | 11.6                           | 2.0                     | < 0.0                      | < 0.0  | 43.5                 | < 13.6                | < 13.6 | > +29.9        | A                   |
|                                      | 205.3620                       | 15.2                           | 2.5                     | < 0.0                      | < 0.0  | 43.5                 | < 17.7                | < 17.7 | > +25.8        | A                   |
|                                      | 273.8160                       | 17.6                           | 3.0                     | < 0.0                      | < 0.0  | 46.0                 | < 20.6                | < 20.6 | > +25.4        | A                   |
|                                      | 342.2700                       | 19.7                           | 3.4                     | < -5.0                     | < -5.0 | 46.0                 | < 18.1                | < 18.1 | > +27.9        | A                   |
|                                      | 410.7240                       | 21.4                           | 3.8                     | < -5.0                     | < -5.0 | 46.0                 | < 20.2                | < 20.2 | > +25.8        | A                   |
|                                      | 479.1780                       | 22.9                           | 4.1                     | < -5.0                     | < -5.0 | 46.0                 | < 22.0                | < 22.0 | > +24.0        | A                   |
|                                      | 547.6320                       | 24.1                           | 4.4                     | < -5.0                     | < -5.0 | 46.0                 | < 23.5                | < 23.5 | > +22.5        | A                   |
|                                      | 616.0860                       | 25.3                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 25.0                | < 25.0 | > +21.0        | A                   |
|                                      | 684.5400                       | 26.3                           | 5.0                     | < -5.0                     | < -5.0 | 46.0                 | < 26.3                | < 26.3 | > +19.7        | A                   |
|                                      | 752.9940                       | 27.2                           | 5.3                     | < -5.0                     | < -5.0 | 46.0                 | < 27.5                | < 27.5 | > +18.5        | A                   |
|                                      | 821.4480                       | 28.0                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 28.7                | < 28.7 | > +17.3        | A                   |
|                                      | 889.9020                       | 28.8                           | 5.8                     | < -5.0                     | < -5.0 | 46.0                 | < 29.6                | < 29.6 | > +16.4        | A                   |
|                                      | 958.3560                       | 29.5                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.7                | < 30.7 | > +15.3        | A                   |

Tuning range: 4.0000 MHz - 5.9990 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 4.0000                               | 68.4550                        | 5.6                            | 1.5                     | 7.0                        | < 0.0  | 40.0                 | 14.1                  | < 7.1  | +25.9          | A                   |
|                                      | 136.9100                       | 11.6                           | 2.0                     | < 0.0                      | < 0.0  | 43.5                 | < 13.6                | < 13.6 | > +29.9        | A                   |
|                                      | 205.3650                       | 15.2                           | 2.5                     | < 0.0                      | < 0.0  | 43.5                 | < 17.7                | < 17.7 | > +25.8        | A                   |
|                                      | 273.8200                       | 17.6                           | 3.0                     | < 0.0                      | < 0.0  | 46.0                 | < 20.6                | < 20.6 | > +25.4        | A                   |
|                                      | 342.2750                       | 19.7                           | 3.4                     | < -5.0                     | < -5.0 | 46.0                 | < 18.1                | < 18.1 | > +27.9        | A                   |
|                                      | 410.7300                       | 21.4                           | 3.8                     | < -5.0                     | < -5.0 | 46.0                 | < 20.2                | < 20.2 | > +25.8        | A                   |
|                                      | 479.1850                       | 22.9                           | 4.1                     | < -5.0                     | < -5.0 | 46.0                 | < 22.0                | < 22.0 | > +24.0        | A                   |
|                                      | 547.6400                       | 24.1                           | 4.4                     | < -5.0                     | < -5.0 | 46.0                 | < 23.5                | < 23.5 | > +22.5        | A                   |
|                                      | 616.0950                       | 25.3                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 25.0                | < 25.0 | > +21.0        | A                   |
|                                      | 684.5500                       | 26.3                           | 5.0                     | < -5.0                     | < -5.0 | 46.0                 | < 26.3                | < 26.3 | > +19.7        | A                   |
|                                      | 753.0050                       | 27.2                           | 5.3                     | < -5.0                     | < -5.0 | 46.0                 | < 27.5                | < 27.5 | > +18.5        | A                   |
|                                      | 821.4600                       | 28.0                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 28.7                | < 28.7 | > +17.3        | A                   |
|                                      | 889.9150                       | 28.8                           | 5.8                     | < -5.0                     | < -5.0 | 46.0                 | < 29.6                | < 29.6 | > +16.4        | A                   |
|                                      | 958.3700                       | 29.5                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.7                | < 30.7 | > +15.3        | A                   |
| 5.9990                               | 70.4540                        | 5.9                            | 1.5                     | < 0.0                      | < 0.0  | 40.0                 | < 7.4                 | < 7.4  | > +32.6        | A                   |
|                                      | 140.9080                       | 11.9                           | 2.1                     | < 0.0                      | < 0.0  | 43.5                 | < 14.0                | < 14.0 | > +29.5        | A                   |
|                                      | 211.3620                       | 15.4                           | 2.6                     | < 0.0                      | < 0.0  | 43.5                 | < 18.0                | < 18.0 | > +25.5        | A                   |
|                                      | 281.8160                       | 17.9                           | 3.0                     | < 0.0                      | < 0.0  | 46.0                 | < 20.9                | < 20.9 | > +25.1        | A                   |
|                                      | 352.2700                       | 19.9                           | 3.4                     | < -5.0                     | < -5.0 | 46.0                 | < 18.3                | < 18.3 | > +27.7        | A                   |
|                                      | 422.7240                       | 21.7                           | 3.8                     | < -5.0                     | < -5.0 | 46.0                 | < 20.5                | < 20.5 | > +25.5        | A                   |
|                                      | 493.1780                       | 23.1                           | 4.2                     | < -5.0                     | < -5.0 | 46.0                 | < 22.3                | < 22.3 | > +23.7        | A                   |
|                                      | 563.6320                       | 24.4                           | 4.5                     | < -5.0                     | < -5.0 | 46.0                 | < 23.9                | < 23.9 | > +22.1        | A                   |
|                                      | 634.0860                       | 25.5                           | 4.8                     | < -5.0                     | < -5.0 | 46.0                 | < 25.3                | < 25.3 | > +20.7        | A                   |
|                                      | 704.5400                       | 26.6                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 26.8                | < 26.8 | > +19.2        | A                   |
|                                      | 774.9940                       | 27.5                           | 5.4                     | < -5.0                     | < -5.0 | 46.0                 | < 27.9                | < 27.9 | > +18.1        | A                   |
|                                      | 845.4480                       | 28.3                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 29.0                | < 29.0 | > +17.0        | A                   |
|                                      | 915.9020                       | 29.1                           | 6.0                     | < -5.0                     | < -5.0 | 46.0                 | < 30.1                | < 30.1 | > +15.9        | A                   |
|                                      | 986.3560                       | 29.8                           | 6.3                     | < -5.0                     | < -5.0 | 54.0                 | < 31.1                | < 31.1 | > +22.9        | A                   |

Tuning range: 6.0000 MHz - 7.9990 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 6.0000                               | 70.4550                        | 5.9                            | 1.5                     | < 0.0                      | < 0.0  | 40.0                 | < 7.4                 | < 7.4  | > +32.6        | A                   |
|                                      | 140.9100                       | 11.9                           | 2.1                     | < 0.0                      | < 0.0  | 43.5                 | < 14.0                | < 14.0 | > +29.5        | A                   |
|                                      | 211.3650                       | 15.4                           | 2.6                     | < 0.0                      | < 0.0  | 43.5                 | < 18.0                | < 18.0 | > +25.5        | A                   |
|                                      | 281.8200                       | 17.9                           | 3.0                     | < 0.0                      | < 0.0  | 46.0                 | < 20.9                | < 20.9 | > +25.1        | A                   |
|                                      | 352.2750                       | 19.9                           | 3.4                     | < -5.0                     | < -5.0 | 46.0                 | < 18.3                | < 18.3 | > +27.7        | A                   |
|                                      | 422.7300                       | 21.7                           | 3.8                     | < -5.0                     | < -5.0 | 46.0                 | < 20.5                | < 20.5 | > +25.5        | A                   |
|                                      | 493.1850                       | 23.1                           | 4.2                     | < -5.0                     | < -5.0 | 46.0                 | < 22.3                | < 22.3 | > +23.7        | A                   |
|                                      | 563.6400                       | 24.4                           | 4.5                     | < -5.0                     | < -5.0 | 46.0                 | < 23.9                | < 23.9 | > +22.1        | A                   |
|                                      | 634.0950                       | 25.5                           | 4.8                     | < -5.0                     | < -5.0 | 46.0                 | < 25.3                | < 25.3 | > +20.7        | A                   |
|                                      | 704.5500                       | 26.6                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 26.8                | < 26.8 | > +19.2        | A                   |
|                                      | 775.0050                       | 27.5                           | 5.4                     | < -5.0                     | < -5.0 | 46.0                 | < 27.9                | < 27.9 | > +18.1        | A                   |
|                                      | 845.4600                       | 28.3                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 29.0                | < 29.0 | > +17.0        | A                   |
|                                      | 915.9150                       | 29.1                           | 6.0                     | < -5.0                     | < -5.0 | 46.0                 | < 30.1                | < 30.1 | > +15.9        | A                   |
|                                      | 986.3700                       | 29.8                           | 6.3                     | < -5.0                     | < -5.0 | 54.0                 | < 31.1                | < 31.1 | > +22.9        | A                   |
| 7.9990                               | 72.4540                        | 6.1                            | 1.5                     | < 0.0                      | < 0.0  | 40.0                 | < 7.6                 | < 7.6  | > +32.4        | A                   |
|                                      | 144.9080                       | 12.1                           | 2.1                     | < 0.0                      | < 0.0  | 43.5                 | < 14.2                | < 14.2 | > +29.3        | A                   |
|                                      | 217.3620                       | 15.6                           | 2.6                     | < 0.0                      | < 0.0  | 46.0                 | < 18.2                | < 18.2 | > +27.8        | A                   |
|                                      | 289.8160                       | 18.1                           | 3.1                     | < 0.0                      | < 0.0  | 46.0                 | < 21.2                | < 21.2 | > +24.8        | A                   |
|                                      | 362.2700                       | 20.2                           | 3.5                     | < -5.0                     | < -5.0 | 46.0                 | < 18.7                | < 18.7 | > +27.3        | A                   |
|                                      | 434.7240                       | 21.9                           | 3.9                     | < -5.0                     | < -5.0 | 46.0                 | < 20.8                | < 20.8 | > +25.2        | A                   |
|                                      | 507.1780                       | 23.4                           | 4.2                     | < -5.0                     | < -5.0 | 46.0                 | < 22.6                | < 22.6 | > +23.4        | A                   |
|                                      | 579.6320                       | 24.7                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.4                | < 24.4 | > +21.6        | A                   |
|                                      | 652.0860                       | 25.8                           | 4.9                     | < -5.0                     | < -5.0 | 46.0                 | < 25.7                | < 25.7 | > +20.3        | A                   |
|                                      | 724.5400                       | 26.8                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 27.0                | < 27.0 | > +19.0        | A                   |
|                                      | 796.9940                       | 27.7                           | 5.5                     | < -5.0                     | < -5.0 | 46.0                 | < 28.2                | < 28.2 | > +17.8        | A                   |
|                                      | 869.4480                       | 28.6                           | 5.8                     | < -5.0                     | < -5.0 | 46.0                 | < 29.4                | < 29.4 | > +16.6        | A                   |
|                                      | 941.9020                       | 29.3                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.5                | < 30.5 | > +15.5        | A                   |

Tuning range: 8.0000 MHz - 10.9990 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 8.0000                               | 72.4550                        | 6.1                            | 1.5                     | < 0.0                      | < 0.0  | 40.0                 | < 7.6                 | < 7.6  | > +32.4        | A                   |
|                                      | 144.9100                       | 12.1                           | 2.1                     | < 0.0                      | 0.0    | 43.5                 | < 14.2                | 14.2   | +29.3          | A                   |
|                                      | 217.3650                       | 15.6                           | 2.6                     | < 0.0                      | < 0.0  | 46.0                 | < 18.2                | < 18.2 | > +27.8        | A                   |
|                                      | 289.8200                       | 18.1                           | 3.1                     | < 0.0                      | < 0.0  | 46.0                 | < 21.2                | < 21.2 | > +24.8        | A                   |
|                                      | 362.2750                       | 20.2                           | 3.5                     | < -5.0                     | < -5.0 | 46.0                 | < 18.7                | < 18.7 | > +27.3        | A                   |
|                                      | 434.7300                       | 21.9                           | 3.9                     | < -5.0                     | < -5.0 | 46.0                 | < 20.8                | < 20.8 | > +25.2        | A                   |
|                                      | 507.1850                       | 23.4                           | 4.2                     | < -5.0                     | < -5.0 | 46.0                 | < 22.6                | < 22.6 | > +23.4        | A                   |
|                                      | 579.6400                       | 24.7                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.4                | < 24.4 | > +21.6        | A                   |
|                                      | 652.0950                       | 25.8                           | 4.9                     | < -5.0                     | < -5.0 | 46.0                 | < 25.7                | < 25.7 | > +20.3        | A                   |
|                                      | 724.5500                       | 26.8                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 27.0                | < 27.0 | > +19.0        | A                   |
|                                      | 797.0050                       | 27.7                           | 5.5                     | < -5.0                     | < -5.0 | 46.0                 | < 28.2                | < 28.2 | > +17.8        | A                   |
|                                      | 869.4600                       | 28.6                           | 5.8                     | < -5.0                     | < -5.0 | 46.0                 | < 29.4                | < 29.4 | > +16.6        | A                   |
|                                      | 941.9150                       | 29.3                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.5                | < 30.5 | > +15.5        | A                   |
| 10.9990                              | 75.4540                        | 6.5                            | 1.5                     | < 0.0                      | < 0.0  | 40.0                 | < 8.0                 | < 8.0  | > +32.0        | A                   |
|                                      | 150.9080                       | 12.5                           | 2.1                     | < 0.0                      | 2.0    | 43.5                 | < 14.6                | 16.6   | +26.9          | A                   |
|                                      | 226.3620                       | 16.0                           | 2.7                     | < 0.0                      | < 0.0  | 46.0                 | < 18.7                | < 18.7 | > +27.3        | A                   |
|                                      | 301.8160                       | 18.5                           | 3.1                     | < -5.0                     | < -5.0 | 46.0                 | < 16.6                | < 16.6 | > +29.4        | A                   |
|                                      | 377.2700                       | 20.6                           | 3.6                     | < -5.0                     | < -5.0 | 46.0                 | < 19.2                | < 19.2 | > +26.8        | A                   |
|                                      | 452.7240                       | 22.3                           | 4.0                     | < -5.0                     | < -5.0 | 46.0                 | < 21.3                | < 21.3 | > +24.7        | A                   |
|                                      | 528.1780                       | 23.8                           | 4.3                     | < -5.0                     | < -5.0 | 46.0                 | < 23.1                | < 23.1 | > +22.9        | A                   |
|                                      | 603.6320                       | 25.1                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.8                | < 24.8 | > +21.2        | A                   |
|                                      | 679.0860                       | 26.2                           | 5.0                     | < -5.0                     | < -5.0 | 46.0                 | < 26.2                | < 26.2 | > +19.8        | A                   |
|                                      | 754.5400                       | 27.2                           | 5.3                     | < -5.0                     | < -5.0 | 46.0                 | < 27.5                | < 27.5 | > +18.5        | A                   |
|                                      | 829.9940                       | 28.1                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 28.8                | < 28.8 | > +17.2        | A                   |
|                                      | 905.4480                       | 29.0                           | 5.9                     | < -5.0                     | < -5.0 | 46.0                 | < 29.9                | < 29.9 | > +16.1        | A                   |
|                                      | 980.9020                       | 29.7                           | 6.2                     | < -5.0                     | < -5.0 | 54.0                 | < 30.9                | < 30.9 | > +23.1        | A                   |

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings |        | Limits<br>[dB(μV/m)] | Results    |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------|--------|----------------------|------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | [dB(μV)]       |        |                      | [dB(μV/m)] |        |                |                     |
|                                      |                                |                                |                         | Hori.          | Vert.  |                      | Hori.      | Vert.  |                |                     |
| 11.0000                              | 75.4550                        | 6.5                            | 1.5                     | < 0.0          | < 0.0  | 40.0                 | < 8.0      | < 8.0  | > +32.0        | A                   |
|                                      | 150.9100                       | 12.5                           | 2.1                     | < 0.0          | 2.0    | 43.5                 | < 14.6     | 16.6   | +26.9          | A                   |
|                                      | 226.3650                       | 16.0                           | 2.7                     | < 0.0          | < 0.0  | 46.0                 | < 18.7     | < 18.7 | > +27.3        | A                   |
|                                      | 301.8200                       | 18.5                           | 3.1                     | < -5.0         | < -5.0 | 46.0                 | < 16.6     | < 16.6 | > +29.4        | A                   |
|                                      | 377.2750                       | 20.6                           | 3.6                     | < -5.0         | < -5.0 | 46.0                 | < 19.2     | < 19.2 | > +26.8        | A                   |
|                                      | 452.7300                       | 22.3                           | 4.0                     | < -5.0         | < -5.0 | 46.0                 | < 21.3     | < 21.3 | > +24.7        | A                   |
|                                      | 528.1850                       | 23.8                           | 4.3                     | < -5.0         | < -5.0 | 46.0                 | < 23.1     | < 23.1 | > +22.9        | A                   |
|                                      | 603.6400                       | 25.1                           | 4.7                     | < -5.0         | < -5.0 | 46.0                 | < 24.8     | < 24.8 | > +21.2        | A                   |
|                                      | 679.0950                       | 26.2                           | 5.0                     | < -5.0         | < -5.0 | 46.0                 | < 26.2     | < 26.2 | > +19.8        | A                   |
|                                      | 754.5500                       | 27.2                           | 5.3                     | < -5.0         | < -5.0 | 46.0                 | < 27.5     | < 27.5 | > +18.5        | A                   |
|                                      | 830.0050                       | 28.1                           | 5.7                     | < -5.0         | < -5.0 | 46.0                 | < 28.8     | < 28.8 | > +17.2        | A                   |
|                                      | 905.4600                       | 29.0                           | 5.9                     | < -5.0         | < -5.0 | 46.0                 | < 29.9     | < 29.9 | > +16.1        | A                   |
|                                      | 980.9150                       | 29.7                           | 6.2                     | < -5.0         | < -5.0 | 54.0                 | < 30.9     | < 30.9 | > +23.1        | A                   |
| 14.9990                              | 79.4540                        | 6.9                            | 1.5                     | < 0.0          | < 0.0  | 40.0                 | < 8.4      | < 8.4  | > +31.6        | A                   |
|                                      | 158.9080                       | 12.9                           | 2.2                     | < 0.0          | 0.0    | 43.5                 | < 15.1     | 15.1   | +28.4          | A                   |
|                                      | 238.3620                       | 16.4                           | 2.7                     | < 0.0          | < 0.0  | 46.0                 | < 19.1     | < 19.1 | > +26.9        | A                   |
|                                      | 317.8160                       | 18.9                           | 3.2                     | < -5.0         | < -5.0 | 46.0                 | < 17.1     | < 17.1 | > +28.9        | A                   |
|                                      | 397.2700                       | 21.1                           | 3.7                     | < -5.0         | < -5.0 | 46.0                 | < 19.8     | < 19.8 | > +26.2        | A                   |
|                                      | 476.7240                       | 22.8                           | 4.1                     | < -5.0         | < -5.0 | 46.0                 | < 21.9     | < 21.9 | > +24.1        | A                   |
|                                      | 556.1780                       | 24.3                           | 4.5                     | < -5.0         | < -5.0 | 46.0                 | < 23.8     | < 23.8 | > +22.2        | A                   |
|                                      | 635.6320                       | 25.6                           | 4.8                     | < -5.0         | < -5.0 | 46.0                 | < 25.4     | < 25.4 | > +20.6        | A                   |
|                                      | 715.0860                       | 26.7                           | 5.2                     | < -5.0         | < -5.0 | 46.0                 | < 26.9     | < 26.9 | > +19.1        | A                   |
|                                      | 794.5400                       | 27.7                           | 5.5                     | < -5.0         | < -5.0 | 46.0                 | < 28.2     | < 28.2 | > +17.8        | A                   |
|                                      | 873.9940                       | 28.6                           | 5.8                     | < -5.0         | < -5.0 | 46.0                 | < 29.4     | < 29.4 | > +16.6        | A                   |
|                                      | 953.4480                       | 29.4                           | 6.2                     | < -5.0         | < -5.0 | 46.0                 | < 30.6     | < 30.6 | > +15.4        | A                   |

Tuning range: 15.0000 MHz - 21.9990 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 15.0000                              | 79.4550                        | 6.9                            | 1.5                     | < 0.0                      | < 0.0  | 40.0                 | < 8.4                 | < 8.4  | > +31.6        | A                   |
|                                      | 158.9100                       | 12.9                           | 2.2                     | < 0.0                      | 0.0    | 43.5                 | < 15.1                | 15.1   | +28.4          | A                   |
|                                      | 238.3650                       | 16.4                           | 2.7                     | < 0.0                      | < 0.0  | 46.0                 | < 19.1                | < 19.1 | > +26.9        | A                   |
|                                      | 317.8200                       | 18.9                           | 3.2                     | < -5.0                     | < -5.0 | 46.0                 | < 17.1                | < 17.1 | > +28.9        | A                   |
|                                      | 397.2750                       | 21.1                           | 3.7                     | < -5.0                     | < -5.0 | 46.0                 | < 19.8                | < 19.8 | > +26.2        | A                   |
|                                      | 476.7300                       | 22.8                           | 4.1                     | < -5.0                     | < -5.0 | 46.0                 | < 21.9                | < 21.9 | > +24.1        | A                   |
|                                      | 556.1850                       | 24.3                           | 4.5                     | < -5.0                     | < -5.0 | 46.0                 | < 23.8                | < 23.8 | > +22.2        | A                   |
|                                      | 635.6400                       | 25.6                           | 4.8                     | < -5.0                     | < -5.0 | 46.0                 | < 25.4                | < 25.4 | > +20.6        | A                   |
|                                      | 715.0950                       | 26.7                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 26.9                | < 26.9 | > +19.1        | A                   |
|                                      | 794.5500                       | 27.7                           | 5.5                     | < -5.0                     | < -5.0 | 46.0                 | < 28.2                | < 28.2 | > +17.8        | A                   |
|                                      | 874.0050                       | 28.6                           | 5.8                     | < -5.0                     | < -5.0 | 46.0                 | < 29.4                | < 29.4 | > +16.6        | A                   |
|                                      | 953.4600                       | 29.4                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.6                | < 30.6 | > +15.4        | A                   |
| 21.9990                              | 86.4540                        | 7.6                            | 1.6                     | < 0.0                      | < 0.0  | 40.0                 | < 9.2                 | < 9.2  | > +30.8        | A                   |
|                                      | 172.9080                       | 13.7                           | 2.4                     | < 11.0                     | < 8.0  | 43.5                 | < 27.1                | < 24.1 | > +16.4        | A                   |
|                                      | 259.3620                       | 17.2                           | 2.9                     | < 0.0                      | < 0.0  | 46.0                 | < 20.1                | < 20.1 | > +25.9        | A                   |
|                                      | 345.8160                       | 19.8                           | 3.4                     | < -5.0                     | < -5.0 | 46.0                 | < 18.2                | < 18.2 | > +27.8        | A                   |
|                                      | 432.2700                       | 21.9                           | 3.9                     | < -5.0                     | < -5.0 | 46.0                 | < 20.8                | < 20.8 | > +25.2        | A                   |
|                                      | 518.7240                       | 23.6                           | 4.3                     | < -5.0                     | < -5.0 | 46.0                 | < 22.9                | < 22.9 | > +23.1        | A                   |
|                                      | 605.1780                       | 25.1                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.8                | < 24.8 | > +21.2        | A                   |
|                                      | 691.6320                       | 26.4                           | 5.1                     | < -5.0                     | < -5.0 | 46.0                 | < 26.5                | < 26.5 | > +19.5        | A                   |
|                                      | 778.0860                       | 27.5                           | 5.4                     | < -5.0                     | < -5.0 | 46.0                 | < 27.9                | < 27.9 | > +18.1        | A                   |
|                                      | 864.5400                       | 28.5                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 29.2                | < 29.2 | > +16.8        | A                   |
|                                      | 950.9940                       | 29.4                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.6                | < 30.6 | > +15.4        | A                   |

Tuning range: 22.0000 MHz - 29.9990 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 22.0000                              | 86.4550                        | 7.6                            | 1.6                     | < 0.0                      | < 0.0  | 40.0                 | < 9.2                 | < 9.2  | > +30.8        | A                   |
|                                      | 172.9100                       | 13.7                           | 2.4                     | < 11.0                     | < 8.0  | 43.5                 | < 27.1                | < 24.1 | > +16.4        | A                   |
|                                      | 259.3650                       | 17.2                           | 2.9                     | < 0.0                      | < 0.0  | 46.0                 | < 20.1                | < 20.1 | > +25.9        | A                   |
|                                      | 345.8200                       | 19.8                           | 3.4                     | < -5.0                     | < -5.0 | 46.0                 | < 18.2                | < 18.2 | > +27.8        | A                   |
|                                      | 432.2750                       | 21.9                           | 3.9                     | < -5.0                     | < -5.0 | 46.0                 | < 20.8                | < 20.8 | > +25.2        | A                   |
|                                      | 518.7300                       | 23.6                           | 4.3                     | < -5.0                     | < -5.0 | 46.0                 | < 22.9                | < 22.9 | > +23.1        | A                   |
|                                      | 605.1850                       | 25.1                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.8                | < 24.8 | > +21.2        | A                   |
|                                      | 691.6400                       | 26.4                           | 5.1                     | < -5.0                     | < -5.0 | 46.0                 | < 26.5                | < 26.5 | > +19.5        | A                   |
|                                      | 778.0950                       | 27.5                           | 5.4                     | < -5.0                     | < -5.0 | 46.0                 | < 27.9                | < 27.9 | > +18.1        | A                   |
|                                      | 864.5500                       | 28.5                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 29.2                | < 29.2 | > +16.8        | A                   |
|                                      | 951.0050                       | 29.4                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.6                | < 30.6 | > +15.4        | A                   |
| 29.9990                              | 94.4540                        | 8.4                            | 1.6                     | < 0.0                      | < 0.0  | 43.5                 | < 10.0                | < 10.0 | > +33.5        | A                   |
|                                      | 188.9080                       | 14.4                           | 2.4                     | < 0.0                      | < 0.0  | 43.5                 | < 16.8                | < 16.8 | > +26.7        | A                   |
|                                      | 283.3620                       | 17.9                           | 3.0                     | < 0.0                      | < 0.0  | 46.0                 | < 20.9                | < 20.9 | > +25.1        | A                   |
|                                      | 377.8160                       | 20.6                           | 3.6                     | < -5.0                     | < -5.0 | 46.0                 | < 19.2                | < 19.2 | > +26.8        | A                   |
|                                      | 472.2700                       | 22.7                           | 4.1                     | < -5.0                     | < -5.0 | 46.0                 | < 21.8                | < 21.8 | > +24.2        | A                   |
|                                      | 566.7240                       | 24.5                           | 4.5                     | < -5.0                     | < -5.0 | 46.0                 | < 24.0                | < 24.0 | > +22.0        | A                   |
|                                      | 661.1780                       | 25.9                           | 4.9                     | < -5.0                     | < -5.0 | 46.0                 | < 25.8                | < 25.8 | > +20.2        | A                   |
|                                      | 755.6320                       | 27.2                           | 5.3                     | < -5.0                     | < -5.0 | 46.0                 | < 27.5                | < 27.5 | > +18.5        | A                   |
|                                      | 850.0860                       | 28.3                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 29.0                | < 29.0 | > +17.0        | A                   |
|                                      | 944.5400                       | 29.4                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.6                | < 30.6 | > +15.4        | A                   |

Tuning range: 30.0000 MHz - 49.9990 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 30.0000                              | 94.4550                        | 8.4                            | 1.6                     | < 0.0                      | < 0.0  | 43.5                 | < 10.0                | < 10.0 | > +33.5        | A                   |
|                                      | 188.9100                       | 14.4                           | 2.4                     | < 0.0                      | < 0.0  | 43.5                 | < 16.8                | < 16.8 | > +26.7        | A                   |
|                                      | 283.3650                       | 17.9                           | 3.0                     | < 0.0                      | < 0.0  | 46.0                 | < 20.9                | < 20.9 | > +25.1        | A                   |
|                                      | 377.8200                       | 20.6                           | 3.6                     | < -5.0                     | < -5.0 | 46.0                 | < 19.2                | < 19.2 | > +26.8        | A                   |
|                                      | 472.2750                       | 22.7                           | 4.1                     | < -5.0                     | < -5.0 | 46.0                 | < 21.8                | < 21.8 | > +24.2        | A                   |
|                                      | 566.7300                       | 24.5                           | 4.5                     | < -5.0                     | < -5.0 | 46.0                 | < 24.0                | < 24.0 | > +22.0        | A                   |
|                                      | 661.1850                       | 25.9                           | 4.9                     | < -5.0                     | < -5.0 | 46.0                 | < 25.8                | < 25.8 | > +20.2        | A                   |
|                                      | 755.6400                       | 27.2                           | 5.3                     | < -5.0                     | < -5.0 | 46.0                 | < 27.5                | < 27.5 | > +18.5        | A                   |
|                                      | 850.0950                       | 28.3                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 29.0                | < 29.0 | > +17.0        | A                   |
|                                      | 944.5500                       | 29.4                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.6                | < 30.6 | > +15.4        | A                   |
| 40.0000                              | 104.4550                       | 9.3                            | 1.7                     | < 0.0                      | < 0.0  | 43.5                 | < 11.0                | < 11.0 | > +32.5        | A                   |
|                                      | 208.9100                       | 15.3                           | 2.6                     | < 15.0                     | < 10.0 | 43.5                 | < 32.9                | < 27.9 | > +10.6        | A                   |
|                                      | 313.3650                       | 18.8                           | 3.2                     | < -5.0                     | < -5.0 | 46.0                 | < 17.0                | < 17.0 | > +29.0        | A                   |
|                                      | 417.8200                       | 21.6                           | 3.8                     | < -5.0                     | < -5.0 | 46.0                 | < 20.4                | < 20.4 | > +25.6        | A                   |
|                                      | 522.2750                       | 23.7                           | 4.3                     | < -5.0                     | < -5.0 | 46.0                 | < 23.0                | < 23.0 | > +23.0        | A                   |
|                                      | 626.7300                       | 25.4                           | 4.8                     | < -5.0                     | < -5.0 | 46.0                 | < 25.2                | < 25.2 | > +20.8        | A                   |
|                                      | 731.1850                       | 26.9                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 27.1                | < 27.1 | > +18.9        | A                   |
|                                      | 835.6400                       | 28.2                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 28.9                | < 28.9 | > +17.1        | A                   |
|                                      | 940.0950                       | 29.3                           | 6.1                     | < -5.0                     | < -5.0 | 46.0                 | < 30.4                | < 30.4 | > +15.6        | A                   |
| 49.9990                              | 114.4540                       | 10.1                           | 1.8                     | < 0.0                      | 2.0    | 43.5                 | < 11.9                | 13.9   | +29.6          | A                   |
|                                      | 228.9080                       | 16.1                           | 2.7                     | < 0.0                      | < 0.0  | 46.0                 | < 18.8                | < 18.8 | > +27.2        | A                   |
|                                      | 343.3620                       | 19.7                           | 3.4                     | < -5.0                     | < -5.0 | 46.0                 | < 18.1                | < 18.1 | > +27.9        | A                   |
|                                      | 457.8160                       | 22.4                           | 4.0                     | < 2.0                      | < 8.0  | 46.0                 | < 28.4                | < 34.4 | > +11.6        | A                   |
|                                      | 572.2700                       | 24.6                           | 4.5                     | < -5.0                     | < -5.0 | 46.0                 | < 24.1                | < 24.1 | > +21.9        | A                   |
|                                      | 686.7240                       | 26.3                           | 5.0                     | < -5.0                     | < -5.0 | 46.0                 | < 26.3                | < 26.3 | > +19.7        | A                   |
|                                      | 801.1780                       | 27.8                           | 5.5                     | < -5.0                     | < -5.0 | 46.0                 | < 28.3                | < 28.3 | > +17.7        | A                   |
|                                      | 915.6320                       | 29.1                           | 6.0                     | < -5.0                     | < -5.0 | 46.0                 | < 30.1                | < 30.1 | > +15.9        | A                   |

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 50.0000                              | 114.4550                       | 10.1                           | 1.8                     | < 0.0                      | 2.0    | 43.5                 | < 11.9                | 13.9   | +29.6          | A                   |
|                                      | 228.9100                       | 16.1                           | 2.7                     | < 0.0                      | < 0.0  | 46.0                 | < 18.8                | < 18.8 | > +27.2        | A                   |
|                                      | 343.3650                       | 19.7                           | 3.4                     | < -5.0                     | < -5.0 | 46.0                 | < 18.1                | < 18.1 | > +27.9        | A                   |
|                                      | 457.8200                       | 22.4                           | 4.0                     | < -5.0                     | < -5.0 | 46.0                 | < 21.4                | < 21.4 | > +24.6        | A                   |
|                                      | 572.2750                       | 24.6                           | 4.5                     | < -5.0                     | < -5.0 | 46.0                 | < 24.1                | < 24.1 | > +21.9        | A                   |
|                                      | 686.7300                       | 26.3                           | 5.0                     | < -5.0                     | < -5.0 | 46.0                 | < 26.3                | < 26.3 | > +19.7        | A                   |
|                                      | 801.1850                       | 27.8                           | 5.5                     | < -5.0                     | < -5.0 | 46.0                 | < 28.3                | < 28.3 | > +17.7        | A                   |
|                                      | 915.6400                       | 29.1                           | 6.0                     | < -5.0                     | < -5.0 | 46.0                 | < 30.1                | < 30.1 | > +15.9        | A                   |
| 53.9990                              | 118.4540                       | 10.4                           | 1.9                     | 1.0                        | 5.0    | 43.5                 | 13.3                  | 17.3   | +26.2          | A                   |
|                                      | 236.9080                       | 16.4                           | 2.7                     | < 0.0                      | < 0.0  | 46.0                 | < 19.1                | < 19.1 | > +26.9        | A                   |
|                                      | 355.3620                       | 20.0                           | 3.4                     | < -5.0                     | < -5.0 | 46.0                 | < 18.4                | < 18.4 | > +27.6        | A                   |
|                                      | 473.8160                       | 22.8                           | 4.1                     | < -5.0                     | < -5.0 | 46.0                 | < 21.9                | < 21.9 | > +24.1        | A                   |
|                                      | 592.2700                       | 24.9                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.6                | < 24.6 | > +21.4        | A                   |
|                                      | 710.7240                       | 26.6                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 26.8                | < 26.8 | > +19.2        | A                   |
|                                      | 829.1780                       | 28.1                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 28.8                | < 28.8 | > +17.2        | A                   |
|                                      | 947.6320                       | 29.4                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.6                | < 30.6 | > +15.4        | A                   |

Tuning range: 54.0000 MHz - 60.0000 MHz

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 54.0000                              | 118.4550                       | 10.4                           | 1.9                     | 1.0                        | 5.0    | 43.5                 | 13.3                  | 17.3   | +26.2          | A                   |
|                                      | 236.9100                       | 16.4                           | 2.7                     | < 0.0                      | < 0.0  | 46.0                 | < 19.1                | < 19.1 | > +26.9        | A                   |
|                                      | 355.3650                       | 20.0                           | 3.4                     | < -5.0                     | < -5.0 | 46.0                 | < 18.4                | < 18.4 | > +27.6        | A                   |
|                                      | 473.8200                       | 22.8                           | 4.1                     | < -5.0                     | < -5.0 | 46.0                 | < 21.9                | < 21.9 | > +24.1        | A                   |
|                                      | 592.2750                       | 24.9                           | 4.7                     | < -5.0                     | < -5.0 | 46.0                 | < 24.6                | < 24.6 | > +21.4        | A                   |
|                                      | 710.7300                       | 26.6                           | 5.2                     | < -5.0                     | < -5.0 | 46.0                 | < 26.8                | < 26.8 | > +19.2        | A                   |
|                                      | 829.1850                       | 28.1                           | 5.7                     | < -5.0                     | < -5.0 | 46.0                 | < 28.8                | < 28.8 | > +17.2        | A                   |
|                                      | 947.6400                       | 29.4                           | 6.2                     | < -5.0                     | < -5.0 | 46.0                 | < 30.6                | < 30.6 | > +15.4        | A                   |
| 60.0000                              | 124.4550                       | 10.8                           | 1.9                     | 7.0                        | 11.0   | 43.5                 | 19.7                  | 23.7   | +19.8          | A                   |
|                                      | 248.9100                       | 16.8                           | 2.9                     | < 0.0                      | < 0.0  | 46.0                 | < 19.7                | < 19.7 | > +26.3        | A                   |
|                                      | 373.3650                       | 20.5                           | 3.6                     | < -5.0                     | < -5.0 | 46.0                 | < 19.1                | < 19.1 | > +26.9        | A                   |
|                                      | 497.8200                       | 23.2                           | 4.2                     | < -5.0                     | < -5.0 | 46.0                 | < 22.4                | < 22.4 | > +23.6        | A                   |
|                                      | 622.2750                       | 25.4                           | 4.8                     | < -5.0                     | < -5.0 | 46.0                 | < 25.2                | < 25.2 | > +20.8        | A                   |
|                                      | 746.7300                       | 27.1                           | 5.3                     | < -5.0                     | < -5.0 | 46.0                 | < 27.4                | < 27.4 | > +18.6        | A                   |
|                                      | 871.1850                       | 28.6                           | 5.8                     | < -5.0                     | < -5.0 | 46.0                 | < 29.4                | < 29.4 | > +16.6        | A                   |
|                                      | 995.6400                       | 29.9                           | 6.3                     | < -5.0                     | < -5.0 | 54.0                 | < 31.2                | < 31.2 | > +22.8        | A                   |

**Other Disturbance**

Test Date: August 10, 2001  
Temp.: 30 °C ; Humi.: 65 %

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB(1/m)] | Corr.<br>Factor<br>[dB] | Meter Readings<br>[dB(μV)] |        | Limits<br>[dB(μV/m)] | Results<br>[dB(μV/m)] |        | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|--------------------------------|-------------------------|----------------------------|--------|----------------------|-----------------------|--------|----------------|---------------------|
|                                      |                                |                                |                         | Hori.                      | Vert.  |                      | Hori.                 | Vert.  |                |                     |
| 54.0000                              | 39.0                           | 0.8                            | 0.6                     | < 15.0                     | < 22.0 | 40.0                 | < 16.4                | < 23.4 | > +16.6        | A                   |
|                                      | 43.0                           | 1.6                            | 0.6                     | < 17.0                     | < 26.0 | 40.0                 | < 19.2                | < 28.2 | > +11.8        | A                   |
|                                      | 85.0                           | 7.5                            | 0.9                     | < 17.0                     | < 17.0 | 40.0                 | < 25.4                | < 25.4 | > +14.6        | A                   |
|                                      | 123.7                          | 10.7                           | 1.1                     | < 13.0                     | < 11.0 | 43.5                 | < 24.8                | < 22.8 | > +18.7        | A                   |
|                                      | 188.7                          | 14.4                           | 1.5                     | < 12.0                     | < 7.0  | 43.5                 | < 27.9                | < 22.9 | > +15.6        | A                   |
|                                      | 260.4                          | 17.2                           | 1.7                     | 5.0                        | < 4.0  | 46.0                 | 23.9                  | < 22.9 | +22.1          | A                   |
|                                      | 312.4                          | 18.8                           | 1.9                     | 3.0                        | < 8.0  | 46.0                 | 23.7                  | < 28.7 | > +17.3        | A                   |
|                                      | 449.2                          | 22.3                           | 2.4                     | 0.0                        | 2.0    | 46.0                 | 24.7                  | 26.7   | +19.3          | A                   |
|                                      | 520.8                          | 23.7                           | 2.5                     | -1.0                       | -1.0   | 46.0                 | 25.2                  | 25.2   | +20.8          | A                   |
|                                      | 688.2                          | 26.3                           | 2.9                     | 2.0                        | 3.0    | 46.0                 | 31.2                  | 32.2   | +13.8          | A                   |

Sample of calculated result at 208.9100 MHz, as the Minimum Margin point:

Antenna Factor = 15.3 dB(1/m)  
Corr. Factor = 2.6 dB  
+) Meter Reading = <15.0 dB(μV)  
Result = <32.9 dB(μV/m)

Minimum Margin : 43.5 - <32.9 = >10.6(dB)

The point shown on "\_\_\_" is the Minimum Margin Point.

Note 1:

- 1)The highest frequency generated or used in the EUT : 124.455 MHz
- 2)The upper frequency of measurement range : 1000 MHz
- 3)Corr. Factor [dB] (below 1 GHz) = Cable Loss [dB]

**Remarks:**

| Note 2 | Detector Function | IF Bandwidth |
|--------|-------------------|--------------|
| A      | CISPR QP          | 120 kHz      |
| B      | Peak              | 1 MHz        |
| C      | Average           | 1 MHz        |

Tester : Yuzo Tanaka

## Antenna-Conducted Power Measurement Scanning Receiver

Test Date: August 15, 2001  
 Temp.: 32 °C ; Humi.: 65 %

Tuning range: 0.0300 MHz - 1.5990 MHz(ANT1/ANT2/RX ANT)

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB(μV)] | Limits<br>at 50Ω<br>[dB(μV)] | Results<br>[dB(μV)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------|------------------------------|---------------------|----------------|---------------------|
| 0.0300                               | 64.4850                        | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 128.9700                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 193.4550                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 257.9400                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 322.4250                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 386.9100                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 451.3950                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 515.8800                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 580.3650                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 644.8500                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 709.3350                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 773.8200                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 838.3050                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 902.7900                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 967.2750                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
| 1.5990                               | 66.0540                        | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 132.1080                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 198.1620                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 264.2160                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 330.2700                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 396.3240                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 462.3780                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 528.4320                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 594.4860                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 660.5400                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 726.5940                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 792.6480                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 858.7020                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 924.7560                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 990.8100                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |

**Tuning range: 1.6000 MHz - 1.9990 MHz(ANT1/ANT2/RX ANT)**

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 1.8000                               | 66.2550                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 132.5100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 198.7650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 265.0200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 331.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 397.5300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 463.7850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 530.0400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 596.2950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 662.5500                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 728.8050                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 795.0600                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 861.3150                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 927.5700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 993.8250                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

Tuning range: 2.0000 MHz - 2.9990 MHz(ANT1/ANT2/RX ANT)

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 2.0000                               | 66.4550                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 132.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 199.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 265.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 332.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 398.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 465.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 531.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 598.0950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 664.5500                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 731.0050                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 797.4600                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 863.9150                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 930.3700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 996.8250                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 2.9990                               | 67.4540                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 134.9080                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 202.3620                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 269.8160                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 337.2700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 404.7240                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 472.1780                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 539.6320                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 607.0860                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 674.5400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 741.9940                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 809.4480                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 876.9020                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 944.3560                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

Tuning range: 3.0000 MHz - 3.9990 MHz(ANT1/ANT2/RX ANT)

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 3.0000                               | 67.4550                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 134.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 202.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 269.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 337.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 404.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 472.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 539.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 607.0950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 674.5500                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 742.0050                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 809.4600                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 876.9150                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 944.3700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 3.9990                               | 68.4540                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 136.9080                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 205.3620                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 273.8160                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 342.2700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 410.7240                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 479.1780                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 547.6320                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 616.0860                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 684.5400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 752.9940                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 821.4480                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 889.9020                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 958.3560                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

**Tuning range: 4.0000 MHz - 5.9990 MHz(ANT1/ANT2/RX ANT)**

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 4.0000                               | 68.4550                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 136.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 205.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 273.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 342.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 410.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 479.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 547.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 616.0950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 684.5500                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 753.0050                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 821.4600                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 889.9150                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 958.3700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 5.9990                               | 70.4540                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 140.9080                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 211.3620                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 281.8160                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 352.2700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 422.7240                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 493.1780                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 563.6320                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 634.0860                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 704.5400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 774.9940                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 845.4480                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 915.9020                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 986.3560                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

Tuning range: 6.0000 MHz - 7.9990 MHz(ANT1/ANT2/RX ANT)

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 6.0000                               | 70.4550                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 140.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 211.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 281.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 352.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 422.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 493.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 563.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 634.0950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 704.5500                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 775.0050                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 845.4600                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 915.9150                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 986.3700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 7.9990                               | 72.4540                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 144.9080                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 217.3620                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 289.8160                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 362.2700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 434.7240                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 507.1780                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 579.6320                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 652.0860                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 724.5400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 796.9940                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 869.4480                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 941.9020                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

Tuning range: 8.0000 MHz - 10.9990 MHz(ANT1/ANT2/RX ANT)

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 8.0000                               | 72.4550                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 144.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 217.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 289.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 362.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 434.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 507.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 579.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 652.0950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 724.5500                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 797.0050                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 869.4600                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 941.9150                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 10.9990                              | 75.4540                        | 10.0                            | 10.0                             | 50.0                                       | 20.0                      | +30.0          | A                   |
|                                      | 150.9080                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 226.3620                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 301.8160                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 377.2700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 452.7240                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 528.1780                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 603.6320                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 679.0860                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 754.5400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 829.9940                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 905.4480                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 980.9020                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

**Tuning range: 11.0000 MHz - 14.9990 MHz(ANT1/ANT2/RX ANT)**

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 11.0000                              | 75.4550                        | 10.0                            | 10.0                             | 50.0                                       | 20.0                      | +30.0          | A                   |
|                                      | 150.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 226.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 301.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 377.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 452.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 528.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 603.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 679.0950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 754.5500                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 830.0050                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 905.4600                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 980.9150                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 14.9990                              | 79.4540                        | 10.0                            | 11.0                             | 50.0                                       | 21.0                      | +29.0          | A                   |
|                                      | 158.9080                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 238.3620                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 317.8160                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 397.2700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 476.7240                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 556.1780                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 635.6320                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 715.0860                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 794.5400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 873.9940                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 953.4480                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

**Tuning range: 15.0000 MHz - 21.9990 MHz(ANT1/ANT2/RX ANT)**

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 15.0000                              | 79.4550                        | 10.0                            | 12.0                             | 50.0                                       | 22.0                      | +28.0          | A                   |
|                                      | 158.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 238.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 317.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 397.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 476.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 556.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 635.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 715.0950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 794.5500                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 874.0050                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 953.4600                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 21.9990                              | 86.4540                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 172.9080                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 259.3620                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 345.8160                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 432.2700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 518.7240                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 605.1780                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 691.6320                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 778.0860                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 864.5400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 950.9940                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

Tuning range: 22.0000 MHz - 29.9990 MHz(ANT1/ANT2/RX ANT)

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 22.0000                              | 86.4550                        | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 172.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 259.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 345.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 432.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 518.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 605.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 691.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 778.0950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 864.5500                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 951.0050                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 29.9990                              | 94.4540                        | 10.0                            | 10.0                             | 50.0                                       | 20.0                      | +30.0          | A                   |
|                                      | 188.9080                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 283.3620                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 377.8160                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 472.2700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 566.7240                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 661.1780                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 755.6320                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 850.0860                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 944.5400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

Tuning range: 30.0000 MHz - 49.9990 MHz(ANT1/ANT2/RX ANT)

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 30.0000                              | 94.4550                        | 10.0                            | 10.0                             | 50.0                                       | 20.0                      | +30.0          | A                   |
|                                      | 188.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 283.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 377.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 472.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 566.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 661.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 755.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 850.0950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 944.5500                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 40.0000                              | 104.4550                       | 10.0                            | 12.0                             | 50.0                                       | 22.0                      | +28.0          | A                   |
|                                      | 208.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 313.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 417.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 522.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 626.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 731.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 835.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 940.0950                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 49.9990                              | 114.4540                       | 10.0                            | 12.0                             | 50.0                                       | 22.0                      | +28.0          | A                   |
|                                      | 228.9080                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 343.3620                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 457.8160                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 572.2700                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 686.7240                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 801.1780                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 915.6320                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

**Tuning range: 50.0000 MHz - 53.9990 MHz(ANT1/ANT2/RX ANT)**

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB(μV)] | Limits<br>at 50Ω<br>[dB(μV)] | Results<br>[dB(μV)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------|------------------------------|---------------------|----------------|---------------------|
| 50.0000                              | 114.4550                       | 10.0                            | 11.0                       | 50.0                         | 21.0                | +29.0          | A                   |
|                                      | 228.9100                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 343.3650                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 457.8200                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 572.2750                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 686.7300                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 801.1850                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 915.6400                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
| 53.9990                              | 118.4540                       | 10.0                            | 12.0                       | 50.0                         | 22.0                | +28.0          | A                   |
|                                      | 236.9080                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 355.3620                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 473.8160                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 592.2700                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 710.7240                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 829.1780                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |
|                                      | 947.6320                       | 10.0                            | < 10.0                     | 50.0                         | < 20.0              | > +30.0        | A                   |

**Tuning range: 54.0000 MHz - 60.0000 MHz(ANT1/ANT2/RX ANT)**

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 54.0000                              | 118.4550                       | 10.0                            | 13.0                             | 50.0                                       | 23.0                      | +27.0          | A                   |
|                                      | 236.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 355.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 473.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 592.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 710.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 829.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 947.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
| 60.0000                              | 124.4550                       | 10.0                            | 13.0                             | 50.0                                       | 23.0                      | +27.0          | A                   |
|                                      | 248.9100                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 373.3650                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 497.8200                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 622.2750                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 746.7300                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 871.1850                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 995.6400                       | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

**Other Disturbance(ANT1/ANT2/RX ANT)**

| Frequency to<br>which tuned<br>[MHz] | Measured<br>Frequency<br>[MHz] | Attenuation<br>Pad Loss<br>[dB] | Meter Readings<br>[dB( $\mu$ V)] | Limits<br>at 50 $\Omega$<br>[dB( $\mu$ V)] | Results<br>[dB( $\mu$ V)] | Margin<br>[dB] | Remarks<br>(Note 2) |
|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------------------------------|---------------------------|----------------|---------------------|
| 54.0000                              | 30.0                           | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 50.0                           | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 100.0                          | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 300.0                          | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 500.0                          | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |
|                                      | 1000.0                         | 10.0                            | < 10.0                           | 50.0                                       | < 20.0                    | > +30.0        | A                   |

Sample of calculated result at 118.4550 MHz , as the Minimum Margin point:

|                      |   |             |
|----------------------|---|-------------|
| Attenuation Pad Loss | = | 10.0 dB     |
| + Meter Reading      | = | 13.0 dB(μV) |
| Result               | = | 23.0 dB(μV) |

Minimum Margin : 50.0 - 23.0 = 27.0(dB)

The point shown on "\_\_\_" is the Minimum Margin Point.

Conversion of applied limits (refer to §15.111(a))

$$50.0 \text{ [dB(}\mu\text{V)]} = 20\log\{\sqrt{2[\text{nW}]\times 10^{-9}\times 50[\Omega ]\times 10^6}\}$$

Note 1:

- 1)The highest frequency generated or used in the EUT : 124.455 MHz
- 2)The upper frequency of measurement range : 1000 MHz

**Remarks:**

| Note 2 | Detector Function | IF Bandwidth |
|--------|-------------------|--------------|
| A      | CISPR QP          | 120 kHz      |
| B      | Peak              | 1 MHz        |
| C      | Average           | 1 MHz        |

Tester : Yuzo Tanaka

### 38dB Rejection Test for Mobile Band Scanning Receiver

Test Date: August 23, 2001  
Temp.: 24 °C ; Humi.: 60 %

Connected Antenna Terminal : ANT1

| Injected Frequency [MHz] | Detected Frequency [MHz] | 12dB SINAD Level at Injected Frequency [dBm] | 12dB SINAD Level at Detected Frequency [dBm] | Rejection [dB] | Margin [dB] |
|--------------------------|--------------------------|----------------------------------------------|----------------------------------------------|----------------|-------------|
| 824.040                  | No Point Detected        | N/A                                          | N/A                                          | N/A            | N/A         |
| 836.505                  | No Point Detected        | N/A                                          | N/A                                          | N/A            | N/A         |
| 848.970                  | No Point Detected        | N/A                                          | N/A                                          | N/A            | N/A         |

Sample of calculated result at N/A MHz, as the Minimum Margin point:

$$\begin{array}{rcl} 12\text{dB SINAD Level at Detected Frequency} & = & \text{N/A dBm} \\ -) 12\text{dB SINAD Level at Injected Frequency} & = & \text{N/A dBm} \\ \hline \text{Rejection} & = & \text{N/A dB} \end{array}$$

Minimum Margin : N/A

The point shown on "\_\_\_\_" is the Minimum Margin Point.

Tester : Yasuhisa Sakai

### 38dB Rejection Test for Base Band Scanning Receiver

Test Date: August 23, 2001  
Temp.: 24 °C ; Humi.: 60 %

Connected Antenna Terminal : ANT1

| Injected<br>Frequency<br>[MHz] | Detected<br>Frequency<br>[MHz] | 12dB SINAD Level at<br>Injected Frequency<br>[dBm] | 12dB SINAD Level at<br>Detected Frequency<br>[dBm] | Rejection<br>[dB] | Margin<br>[dB] |
|--------------------------------|--------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------|----------------|
| 869.040                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |
| 881.505                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |
| 893.970                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |

Sample of calculated result at N/A MHz, as the Minimum Margin point:

$$\begin{array}{rcl} 12\text{dB SINAD Level at Detected Frequency} & = & \text{N/A dBm} \\ -) 12\text{dB SINAD Level at Injected Frequency} & = & \text{N/A dBm} \\ \hline \text{Rejection} & = & \text{N/A dB} \end{array}$$

Minimum Margin : N/A

The point shown on "\_\_\_\_" is the Minimum Margin Point.

Tester : Yasuhisa Sakai

### 38dB Rejection Test for Mobile Band Scanning Receiver

Test Date: August 23, 2001  
Temp.: 24 °C ; Humi.: 60 %

Connected Antenna Terminal : ANT2

| Injected Frequency [MHz] | Detected Frequency [MHz] | 12dB SINAD Level at Injected Frequency [dBm] | 12dB SINAD Level at Detected Frequency [dBm] | Rejection [dB] | Margin [dB] |
|--------------------------|--------------------------|----------------------------------------------|----------------------------------------------|----------------|-------------|
| 824.040                  | No Point Detected        | N/A                                          | N/A                                          | N/A            | N/A         |
| 836.505                  | No Point Detected        | N/A                                          | N/A                                          | N/A            | N/A         |
| 848.970                  | No Point Detected        | N/A                                          | N/A                                          | N/A            | N/A         |

Sample of calculated result at N/A MHz, as the Minimum Margin point:

$$\begin{array}{rcl} 12\text{dB SINAD Level at Detected Frequency} & = & \text{N/A dBm} \\ -) 12\text{dB SINAD Level at Injected Frequency} & = & \text{N/A dBm} \\ \hline \text{Rejection} & = & \text{N/A dB} \end{array}$$

Minimum Margin : N/A

The point shown on "\_\_\_\_" is the Minimum Margin Point.

Tester : Yasuhisa Sakai

### 38dB Rejection Test for Base Band Scanning Receiver

Test Date: August 23, 2001  
Temp.: 24 °C ; Humi.: 60 %

Connected Antenna Terminal : ANT2

| Injected<br>Frequency<br>[MHz] | Detected<br>Frequency<br>[MHz] | 12dB SINAD Level at<br>Injected Frequency<br>[dBm] | 12dB SINAD Level at<br>Detected Frequency<br>[dBm] | Rejection<br>[dB] | Margin<br>[dB] |
|--------------------------------|--------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------|----------------|
| 869.040                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |
| 881.505                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |
| 893.970                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |

Sample of calculated result at N/A MHz, as the Minimum Margin point:

$$\begin{array}{rcl} 12\text{dB SINAD Level at Detected Frequency} & = & \text{N/A dBm} \\ -) 12\text{dB SINAD Level at Injected Frequency} & = & \text{N/A dBm} \\ \hline \text{Rejection} & = & \text{N/A dB} \end{array}$$

Minimum Margin : N/A

The point shown on "\_\_\_\_" is the Minimum Margin Point.

Tester : Yasuhisa Sakai

### 38dB Rejection Test for Mobile Band Scanning Receiver

Test Date: August 23, 2001  
Temp.: 24 °C ; Humi.: 60 %

Connected Antenna Terminal : RX ANT

| Injected<br>Frequency<br>[MHz] | Detected<br>Frequency<br>[MHz] | 12dB SINAD Level at<br>Injected Frequency<br>[dBm] | 12dB SINAD Level at<br>Detected Frequency<br>[dBm] | Rejection<br>[dB] | Margin<br>[dB] |
|--------------------------------|--------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------|----------------|
| 824.040                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |
| 836.505                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |
| 848.970                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |

Sample of calculated result at N/A MHz, as the Minimum Margin point:

$$\begin{array}{rcl} 12\text{dB SINAD Level at Detected Frequency} & = & \text{N/A dBm} \\ -) 12\text{dB SINAD Level at Injected Frequency} & = & \text{N/A dBm} \\ \hline \text{Rejection} & = & \text{N/A dB} \end{array}$$

Minimum Margin : N/A

The point shown on "\_\_\_\_" is the Minimum Margin Point.

Tester : Yasuhisa Sakai

### 38dB Rejection Test for Base Band Scanning Receiver

Test Date: August 23, 2001  
Temp.: 24 °C ; Humi.: 60 %

Connected Antenna Terminal : RX ANT

| Injected<br>Frequency<br>[MHz] | Detected<br>Frequency<br>[MHz] | 12dB SINAD Level at<br>Injected Frequency<br>[dBm] | 12dB SINAD Level at<br>Detected Frequency<br>[dBm] | Rejection<br>[dB] | Margin<br>[dB] |
|--------------------------------|--------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------|----------------|
| 869.040                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |
| 881.505                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |
| 893.970                        | No Point Detected              | N/A                                                | N/A                                                | N/A               | N/A            |

Sample of calculated result at N/A MHz, as the Minimum Margin point:

$$\begin{array}{rcl} 12\text{dB SINAD Level at Detected Frequency} & = & \text{N/A dBm} \\ -) 12\text{dB SINAD Level at Injected Frequency} & = & \text{N/A dBm} \\ \hline \text{Rejection} & = & \text{N/A dB} \end{array}$$

Minimum Margin : N/A

The point shown on "\_\_\_\_" is the Minimum Margin Point.

Tester : Yasuhisa Sakai