

Test Report

TEST PROCEDURES AND TEST SITE DESCRIPTION

MEASUREMENT ITEMS

- 5-1 Field Strength of Spurious Radiated Emission
- 5-2 Power Line Conducted Emissions

NOTE: Measurements in Scan Mode vs. Non-Scan Mode

The measurement data reported in the original file represented a non-scan mode for both of power line conducted emission and spurious radiated emission because no emission level exceeded that of the levels in the scan mode.

In scan mode, the receiver only stays at a particular frequency for as short as 20 ms in certain channels as the scanning interval may change depending on the number of the memorized channels. This means that true emission levels may change along with the number of the memorized channels in the scanning mode due to changes in the duty cycle of the emission level.

Therefore, we measured the device where each memorized channel was scanned for 3 different points of frequencies in each receiver coverage range as shown in the original file and we confirm that no emission level exceeds the level reported from the ones measured in the non-scan mode.

5-1 Field Strength of Spurious Radiated Emission

Test Procedure:

The measurements were performed in accordance with the ANSI C63.4-1992. Field Strength measurements of radiated spurious emissions were made at the open test site of a 3-meter range maintained by Uniden Corporation in Japan. Complete description and measurement data of this test site have been placed on file with the Commission.

The radio frequency spectrum was scanned in the range of 30 MHz to 4 GHz in accordance with the section 15.33(b) of the FCC Rules. The frequency below 1 GHz, the measurement was carried out by using CISPR quasi-peak detector, Hewlett Packard E7400A the Spectrum Analyzer in accordance with the sections 15.33(a) and 15.35(a). The frequency above 1 GHz, using the Hewlett Packard E7400A Spectrum Analyzer in accordance with the section 15.35(b) carried out the measurement.

A bilog antenna CBL6112A was used to cover the range from 30 MHz to 1000 MHz. Narrowband tuned dipole antennas were used over the entire 30 to 1000 MHz ranges for precision measurements of field strength. Above 1000 MHz, a horn antenna was used.

For each spurious or harmonic frequency, the antenna was raised and lowered to obtain a maximum reading on the Spectrum Analyzer with antenna horizontally polarized. Then the turntable, on which the equipment under test was placed, was rotated a minimum of 360 degrees to further increase the reading on the Spectrum Analyzer. This procedure was repeated with the antenna vertically polarized. The unit under test was placed in its normal operating position on a turntable approximately 1 meter in height, with a normal power lead.

In order to convert the measured emission levels into field strength in dBuV/m, the actual field strength (E_f) is determined by algebraically adding the measured emission level (E_m) and the antenna correction factor (ACF) including the cable loss at the appropriate frequency.

$$E_f [\text{dBuV/m}] = E_m [\text{dBuV/m}] + \text{ACF} [\text{dB}]$$

FCC Limits:

Frequency	Field Strength at 3 meter	
30 - 88 MHz	40 dBuV/m	(100 uV/m)
88 - 216 MHz	43.5 dBuV/m	(150 uV/m)
216 - 960 MHz	46 dBuV/m	(200 uV/m)
Above 960 MHz	54 dBuV/m	(500 uV/m)

Test Results: Refer to the attached test reports. All emissions not reported were more than 20 dB below the limits.

5-2 Power Line Conducted Emissions

Test Procedure:

The measurements were performed in accordance with the ANSI C63.4-1992. During the measurements, a standard voltage source is fed into the unit under test through a power line impedance stabilization network.

FCC Limit:

The radio frequency voltage that is conducted back into the AC power line on any frequencies within the band from 450kHz to 30MHz shall not exceed 250uV (48 dBuV).

Test Results: Refer to the attached test reports. All emissions not reported were more than 20 dB below the limits.

5-1 Test Result: Field Strength of Radiated Emissions

Tuned Frequency (MHz)	Emission Frequency (MHz)	FSM Reading (dBuV)	Amplifier Gain (dB)	Measured Level (dBuV)	Pol.	ACF (dB)	Field Strength (dBuV/m)	FCC Limit (dBuV/m)	MARGIN (dB)
(1) Test Results (25.000 - 54.000 MHz Band)									
25.005	367.4950	44.5	35.1	9.4	H	19.9	29.3	46.0	16.7
	367.4950	46.4	35.1	11.3	V	19.9	31.2	46.0	14.8
	405.7000	43.0	35.1	7.9	H	20.9	28.8	46.0	17.2
	688.1280	46.1	35.1	11.0	H	25.6	36.6	46.0	9.4
	688.1280	45.9	35.1	10.8	V	25.6	36.4	46.0	9.6
	734.9900	43.5	35.1	8.4	H	26.0	34.4	46.0	11.6
	811.4000	47.8	35.1	12.7	H	27.0	39.7	46.0	6.3
	811.4000	46.3	35.1	11.2	V	27.0	38.2	46.0	7.8
	2839.9000	41.2	35.1	6.1	H	44.8	50.9	54.0	3.1
	2839.9000	41.7	35.1	6.6	V	44.8	51.4	54.0	2.6
49.900	367.5000	45.8	35.1	10.7	H	19.9	30.6	46.0	15.4
	367.5000	46.5	35.1	11.4	V	19.9	31.3	46.0	14.7
	688.1280	46.2	35.1	11.1	H	25.6	36.7	46.0	9.3
	735.0000	43.3	35.1	8.2	H	26.0	34.2	46.0	11.8
	2583.6000	38.1	35.1	3.0	V	43.0	46.0	54.0	8.0
(2) Test Results (54.000 - 108.000 MHz Band)									
54.050	369.9500	46.2	35.1	11.1	H	19.9	31.0	46.0	15.0
	369.9500	45.5	35.1	10.4	V	19.9	30.3	46.0	15.7
	434.7000	43.8	35.1	8.7	H	21.8	30.5	46.0	15.5
	491.5200	42.8	35.1	7.7	H	23.1	30.8	46.0	15.2
	688.1280	44.9	35.1	9.8	H	25.6	35.4	46.0	10.6
	688.1280	45.7	35.1	10.6	V	25.6	36.2	46.0	9.8
	869.4000	43.1	35.1	8.0	H	27.4	35.4	46.0	10.6
	1109.8500	41.7	35.1	6.6	V	32.1	38.7	54.0	15.3
	1738.8000	42.2	35.1	7.1	H	38.1	45.2	54.0	8.8
	2608.2000	38.6	35.1	3.5	H	43.1	46.6	54.0	7.4
	2608.2000	39.2	35.1	4.1	V	43.1	47.2	54.0	6.8
72.005	367.4950	47.6	35.1	12.5	H	19.9	32.4	46.0	13.6
	367.4950	48.4	35.1	13.3	V	19.9	33.2	46.0	12.8
	452.7000	44.0	35.1	8.9	H	22.1	31.0	46.0	15.0
	688.1280	45.7	35.1	10.6	H	25.6	36.2	46.0	9.8
	688.1280	43.5	35.1	8.4	V	25.6	34.0	46.0	12.0
	734.9900	43.3	35.1	8.2	H	26.0	34.2	46.0	11.8
	2716.2000	41.2	35.1	6.1	H	43.9	50.0	54.0	4.0
	2716.2000	40.3	35.1	5.2	V	43.9	49.1	54.0	4.9

107.900	370.0000	46.7	35.1	11.6	H	19.9	31.5	46.0	14.5
	370.0000	44.9	35.1	9.8	V	19.9	29.7	46.0	16.3
	488.6000	46.6	35.1	11.5	H	23.0	34.5	46.0	11.5
	488.6000	44.8	35.1	9.7	V	23.0	32.7	46.0	13.3
	688.1280	46.1	35.1	11.0	H	25.6	36.6	46.0	9.4
	688.1280	46.0	35.1	10.9	V	25.6	36.5	46.0	9.5
	1954.4000	42.7	35.1	7.6	H	40.5	48.1	54.0	5.9
	2931.6000	39.0	35.1	3.9	H	45.3	49.2	54.0	4.8
(3) Test Results (108.000 - 137.000 MHz Band)									
118.800	367.5000	48.1	35.1	13.0	H	19.9	32.9	46.0	13.1
	367.5000	48.7	35.1	13.6	V	19.9	33.5	46.0	12.5
	499.5000	46.4	35.1	11.3	H	23.3	34.6	46.0	11.4
	499.5000	45.9	35.1	10.8	V	23.3	34.1	46.0	11.9
	688.1280	46.6	35.1	11.5	H	25.6	37.1	46.0	8.9
	688.1280	45.2	35.1	10.1	V	25.6	35.7	46.0	10.3
	1498.5000	39.0	35.1	3.9	V	35.6	39.5	54.0	14.5
	1998.0000	38.8	35.1	3.7	H	39.8	43.5	54.0	10.5
	2997.0000	38.4	35.1	3.3	V	45.8	49.1	54.0	4.9
127.175	367.4250	47.6	35.1	12.5	H	19.9	32.4	46.0	13.6
	367.4250	48.4	35.1	13.3	V	19.9	33.2	46.0	12.8
	507.8000	48.2	35.1	13.1	H	23.5	36.6	46.0	9.4
	507.8000	43.4	35.1	8.3	V	23.5	31.8	46.0	14.2
	688.1280	45.9	35.1	10.8	H	25.6	36.4	46.0	9.6
	688.1280	45.9	35.1	10.8	V	25.6	36.4	46.0	9.6
	734.8500	42.7	35.1	7.6	H	26.0	33.6	46.0	12.4
	1523.4000	40.5	35.1	5.4	V	35.6	41.0	54.0	13.0
	2031.2000	40.3	35.1	5.2	H	39.8	45.0	54.0	9.0
135.500	367.5000	47.7	35.1	12.6	H	19.9	32.5	46.0	13.5
	367.5000	48.7	35.1	13.6	V	19.9	33.5	46.0	12.5
	516.2000	48.3	35.1	13.2	H	23.8	37.0	46.0	9.0
	516.2000	44.0	35.1	8.9	V	23.8	32.7	46.0	13.3
	688.1280	45.7	35.1	10.6	H	25.6	36.2	46.0	9.8
	688.1280	46.0	35.1	10.9	V	25.6	36.5	46.0	9.5
	735.0000	43.7	35.1	8.6	H	26.0	34.6	46.0	11.4
	1032.4000	43.1	35.1	8.0	H	31.2	39.2	54.0	14.8
	1548.6000	43.3	35.1	8.2	H	35.4	43.6	54.0	10.4
	1548.2000	44.2	35.1	9.1	V	35.4	44.5	54.0	9.5
	2064.8000	40.0	35.1	4.9	H	39.8	44.7	54.0	9.3

(4) Test Results (137.000 - 174.000 MHz Band)									
138.150	367.4500	46.7	35.1	11.6	H	19.9	31.5	46.0	14.5
	367.4500	47.2	35.1	12.1	V	19.9	32.0	46.0	14.0
	518.8000	48.0	35.1	12.9	H	23.8	36.7	46.0	9.3
	518.8000	44.7	35.1	9.6	V	23.8	33.4	46.0	12.6
	688.1280	46.7	35.1	11.6	H	25.6	37.2	46.0	8.8
	688.1280	46.4	35.1	11.3	V	25.6	36.9	46.0	9.1
	734.9000	43.5	35.1	8.4	H	26.0	34.4	46.0	11.6
	1037.6000	42.4	35.1	7.3	H	31.2	38.5	54.0	15.5
	1556.4000	39.4	35.1	4.3	V	35.4	39.7	54.0	14.3
	2075.2000	40.3	35.1	5.2	H	39.8	45.0	54.0	9.0
	2075.2000	38.3	35.1	3.2	V	39.8	43.0	54.0	11.0
162.400	367.5000	47.3	35.1	12.2	H	19.9	32.1	46.0	13.9
	367.5000	47.2	35.1	12.1	V	19.9	32.0	46.0	14.0
	491.5200	43.8	35.1	8.7	H	23.1	31.8	46.0	14.2
	543.1000	42.9	35.1	7.8	H	24.7	32.5	46.0	13.5
	543.1000	45.9	35.1	10.8	V	24.7	35.5	46.0	10.5
	688.1280	45.5	35.1	10.4	H	25.6	36.0	46.0	10.0
	688.1280	46.1	35.1	11.0	V	25.6	36.6	46.0	9.4
	735.0000	43.5	35.1	8.4	H	26.0	34.4	46.0	11.6
	1086.2000	42.9	35.1	7.8	V	31.9	39.7	54.0	14.3
	1966.0800	40.8	35.1	5.7	V	41.0	46.7	54.0	7.3
	2205.0000	40.8	35.1	5.7	H	40.9	46.6	54.0	7.4
	2715.5000	38.9	35.1	3.8	H	43.9	47.7	54.0	6.3
	2715.5000	40.8	35.1	5.7	V	43.9	49.6	54.0	4.4
173.225	367.4750	47.0	35.1	11.9	H	19.9	31.8	46.0	14.2
	367.4750	46.9	35.1	11.8	V	19.9	31.7	46.0	14.3
	553.9000	45.9	35.1	10.8	H	24.9	35.7	46.0	10.3
	553.9000	43.9	35.1	8.8	V	24.9	33.7	46.0	12.3
	688.1280	46.1	35.1	11.0	H	25.6	36.6	46.0	9.4
	688.1280	45.2	35.1	10.1	V	25.6	35.7	46.0	10.3
	734.9500	43.1	35.1	8.0	H	26.2	34.2	46.0	11.8
	1107.8000	42.5	35.1	7.4	V	32.1	39.5	54.0	14.5
	2769.5000	39.9	35.1	4.8	V	43.9	48.7	54.0	5.3

(5) Test Results (174.000 - 311.000 MHz Band)									
197.750	369.9500	46.4	35.1	11.3	H	19.9	31.2	46.0	14.8
	369.9500	44.5	35.1	9.4	V	19.9	29.3	46.0	16.7
	578.4000	47.1	35.1	12.0	H	25.5	37.5	46.0	8.5
	578.4000	46.3	35.1	11.2	V	25.5	36.7	46.0	9.3
	688.1280	47.2	35.1	12.1	H	25.6	37.7	46.0	8.3
	688.1280	46.2	35.1	11.1	V	25.6	36.7	46.0	9.3
	1156.8000	42.7	35.1	7.6	V	32.5	40.1	54.0	13.9
	2892.0000	38.4	35.1	3.3	H	45.1	48.4	54.0	5.6
	2892.0000	38.4	35.1	3.3	V	45.1	48.4	54.0	5.6
216.050	367.4500	47.4	35.1	12.3	H	19.9	32.2	46.0	13.8
	367.4500	48.4	35.1	13.3	V	19.9	33.2	46.0	12.8
	596.7000	49.6	35.1	14.5	H	26.2	40.7	46.0	5.3
	596.7000	47.6	35.1	12.5	V	26.2	38.7	46.0	7.3
	688.1280	46.9	35.1	11.8	H	25.6	37.4	46.0	8.6
	688.1280	46.2	35.1	11.1	V	25.6	36.7	46.0	9.3
	734.9000	43.6	35.1	8.5	H	26.2	34.7	46.0	11.3
	2386.8000	39.4	35.1	4.3	V	41.8	46.1	54.0	7.9
	2983.5000	38.4	35.1	3.3	H	45.7	49.0	54.0	5.0
310.9500	367.4500	47.4	35.1	12.3	H	19.9	32.2	46.0	13.8
	367.4500	47.0	35.1	11.9	V	19.9	31.8	46.0	14.2
	688.1280	48.7	35.1	13.6	H	25.6	39.2	46.0	6.8
	688.1280	47.9	35.1	12.8	V	25.6	38.4	46.0	7.6
	752.9000	43.1	35.1	8.0	H	26.2	34.2	46.0	11.8
	752.9000	43.0	35.1	7.9	V	26.2	34.1	46.0	11.9
	2074.8000	40.8	35.1	5.7	H	40.2	45.9	54.0	8.1
	2074.8000	39.0	35.1	3.9	V	40.2	44.1	54.0	9.9
(6) Test Results (311.000 - 512.000 MHz Band)									
311.0500	267.5500	47.1	35.1	12.0	H	15.8	27.8	46.0	18.2
	267.5500	49.6	35.1	14.5	V	15.8	30.3	46.0	15.7
	535.1000	44.3	35.1	9.2	H	24.3	33.5	46.0	12.5
	565.4000	48.2	35.1	13.1	H	25.3	38.4	46.0	7.6
	565.4000	45.7	35.1	10.6	V	25.3	35.9	46.0	10.1
	688.1280	46.2	35.1	11.1	H	25.6	36.7	46.0	9.3
	688.1280	45.2	35.1	10.1	V	25.6	35.7	46.0	10.3
	802.6500	46.9	35.1	11.8	H	26.8	38.6	46.0	7.4
	802.6500	46.3	35.1	11.2	V	26.8	38.0	46.0	8.0
	1070.2000	43.0	35.1	7.9	H	31.8	39.7	54.0	14.3
	1696.2000	43.5	35.1	8.4	H	37.6	46.0	54.0	8.0
	2261.6000	40.5	35.1	5.4	H	41.3	46.7	54.0	7.3
	2827.0000	39.3	35.1	4.2	V	44.7	48.9	54.0	5.1

406.8750	267.5250	50.0	35.1	14.9	V	15.8	30.7	46.0	15.3
	535.0500	45.7	35.1	10.6	H	24.3	34.9	46.0	11.1
	589.8240	42.7	35.1	7.6	H	25.9	33.5	46.0	12.5
	661.2000	50.9	35.1	15.8	H	25.8	41.6	46.0	4.4
	661.2000	48.3	35.1	13.2	V	25.8	39.0	46.0	7.0
	688.1280	46.0	35.1	10.9	H	25.6	36.5	46.0	9.5
	688.1280	45.5	35.1	10.4	V	25.6	36.0	46.0	10.0
	802.5750	46.8	35.1	11.7	H	26.8	38.5	46.0	7.5
	802.5750	46.9	35.1	11.8	V	26.8	38.6	46.0	7.4
	1070.1000	42.8	35.1	7.7	H	31.8	39.5	54.0	14.5
511.9125	267.5875	47.1	35.1	12.0	H	15.8	27.8	46.0	18.2
	267.5875	49.3	35.1	14.2	V	15.8	30.0	46.0	16.0
	535.1750	45.2	35.1	10.1	H	24.3	34.4	46.0	11.6
	535.1750	43.9	35.1	8.8	V	24.3	33.1	46.0	12.9
	688.1280	45.5	35.1	10.4	H	25.6	36.0	46.0	10.0
	688.1280	45.7	35.1	10.6	V	25.6	36.2	46.0	9.8
	766.3000	47.6	35.1	12.5	H	26.4	38.9	46.0	7.1
	766.3000	48.8	35.1	13.7	V	26.4	40.1	46.0	5.9
	802.7625	46.5	35.1	11.4	H	26.8	38.2	46.0	7.8
	802.7625	46.0	35.1	10.9	V	26.8	37.7	46.0	8.3
	2298.9000	39.8	35.1	4.7	H	41.4	46.1	54.0	7.9
(7) Test Results (806.000 - 1300.000 MHz Band)									
806.000	367.5000	46.5	35.1	11.4	H	19.9	31.3	46.0	14.7
	367.5000	46.0	35.1	10.9	V	19.9	30.8	46.0	15.2
	425.3000	42.9	35.1	7.8	H	21.4	29.2	46.0	16.8
	425.3000	43.8	35.1	8.7	V	21.4	30.1	46.0	15.9
	688.1280	45.6	35.1	10.5	H	25.6	36.1	46.0	9.9
	688.1280	45.2	35.1	10.1	V	25.6	35.7	46.0	10.3
	850.6000	43.0	35.1	7.9	H	27.3	35.2	46.0	10.8
	850.6000	43.3	35.1	8.2	V	27.3	35.5	46.0	10.5
	1701.2000	43.4	35.1	8.3	H	37.7	46.0	54.0	8.0
	2551.8000	38.2	35.1	3.1	V	42.8	45.9	54.0	8.1
	2977.1000	39.5	35.1	4.4	H	45.6	50.0	54.0	4.0
	2977.1000	39.4	35.1	4.3	V	45.6	49.9	54.0	4.1
857.200	367.5000	46.0	35.1	10.9	H	19.9	30.8	46.0	15.2
	367.5000	46.4	35.1	11.3	V	19.9	31.2	46.0	14.8
	476.5000	44.0	35.1	8.9	H	22.7	31.6	46.0	14.4
	476.5000	43.2	35.1	8.1	V	22.7	30.8	46.0	15.2
	688.1280	46.2	35.1	11.1	H	25.6	36.7	46.0	9.3
	688.1280	45.2	35.1	10.1	V	25.6	35.7	46.0	10.3
	2859.0000	40.3	35.1	5.2	H	44.8	50.0	54.0	4.0
	2859.0000	40.7	35.1	5.6	V	44.8	50.4	54.0	3.6
954.913	367.5125	46.5	35.1	11.4	H	19.9	31.3	46.0	14.7
	367.5125	46.4	35.1	11.3	V	19.9	31.2	46.0	14.8
	574.2000	45.5	35.1	10.4	H	25.5	35.9	46.0	10.1

	574.2000	47.3	35.1	12.2	V	25.5	37.7	46.0	8.3
	688.1280	46.5	35.1	11.4	H	25.6	37.0	46.0	9.0
	688.1280	45.6	35.1	10.5	V	25.6	36.1	46.0	9.9
	1148.4000	43.1	35.1	8.0	V	32.4	40.4	54.0	13.6
	2871.0000	39.1	35.1	4.0	H	44.9	48.9	54.0	5.1
	2871.0000	38.8	35.1	3.7	V	44.9	48.6	54.0	5.4
1240.000	367.5000	45.8	35.1	10.7	H	19.9	30.6	46.0	15.4
	367.5000	47.7	35.1	12.6	V	19.9	32.5	46.0	13.5
	735.0000	43.1	35.1	8.0	H	26.2	34.2	46.0	11.8
	688.1280	45.6	35.1	10.5	H	25.6	36.1	46.0	9.9
	688.1280	46.6	35.1	11.5	V	25.6	37.1	46.0	8.9
	859.3000	42.6	35.1	7.5	H	27.4	34.9	46.0	11.1
	1718.6000	42.7	35.1	7.6	H	37.8	45.4	54.0	8.6
	2577.9000	41.3	35.1	6.2	H	42.9	49.1	54.0	4.9
	2577.9000	39.6	35.1	4.5	V	42.9	47.4	54.0	6.6
1299.9125	367.5125	46.5	35.1	11.4	H	19.9	31.3	46.0	14.7
	367.5125	47.8	35.1	12.7	V	19.9	32.6	46.0	13.4
	688.1280	45.9	35.1	10.8	H	25.6	36.4	46.0	9.6
	688.1280	45.9	35.1	10.8	V	25.6	36.4	46.0	9.6
	1838.4000	42.1	35.1	7.0	H	39.2	46.2	54.0	7.8
	2757.6000	40.9	35.1	5.8	H	44.2	50.0	54.0	4.0
	2757.6000	41.1	35.1	6.0	V	44.2	50.2	54.0	3.8

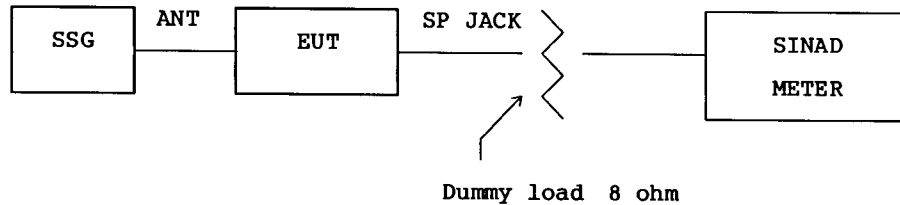
Note: Other emissions not reported were more than 20dB below the FCC limits.

5-3 Test Result: Cellular image rejection

15.121(b)

Rationale:

In order for measuring image(spurious) rejection ratio on scanning receiver, use of one SSG method would be suitable rather than two or three SSG method since cellular image reception would be considered as unwanted reception solely at outside of cellular band.

Test set-up:

Conditions: AF Signal : 1 kHz
 Deviation : +/- 3kHz (for frequency modulation)
 Modulation : 60 % (for amplitude modulation)

Test frequencies: 824.01MHz, 836.52MHz, 849.00MHz
 869.01MHz, 881.52MHz, 894.00MHz

A) Initial screening

- A-1) Disable the output signal of SSG. Disconnect dummy load and enable the EUT to confirm the presence of audio noise on speaker.
- A-2) Set the EUT with "Squelched Threshold" to prevent audio signal.
- A-3) Set the frequency of SSG to cellular band, and apply 60dBuV of RF output to EUT. Note that 60dBuV signal level corresponds approx. 66dB above the "Squelched Threshold" sensitivity of -6dBuV (not, receiving sensitivity). This is approx. 28dB (= 66 - 38) above the FCC limit.
- A-4) Enable EUT and search the cellular frequencies on the all of receiving range.
- A-5) List the all of detected frequencies if EUT detects them, and the following steps shall be taken to determine the actual image rejection ratio individually.
- A-6) Repeat the above procedure for remaining frequencies.
- A-7) Go to Part B of the test.

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B) Measuring the image rejection ratio

- B-1) Based on Initial screening, both of EUT and SSG shall be set to the frequency at which obtained in A-5) in the above. Connect the dummy load and set the squelch volume of EUT to unsquelched for obtaining the audio signal.
- B-2) Adjust and record the RF output of SSG to obtain 12dB SINAD on EUT. SSG level at which obtaining the 12dB SINAD is receiving sensitivity of EUT (not, tight squelch sensitivity).
- B-3) Adjust the frequency of SSG to the corresponded cellular frequency associated with A-5. Adjust and record the RF output of SSG to obtain 12dB SINAD on EUT.
- B-4) Image rejection ratio is obtained as differences between B-2) and B-3).

C) Test Data

Spec. : At least 38dB

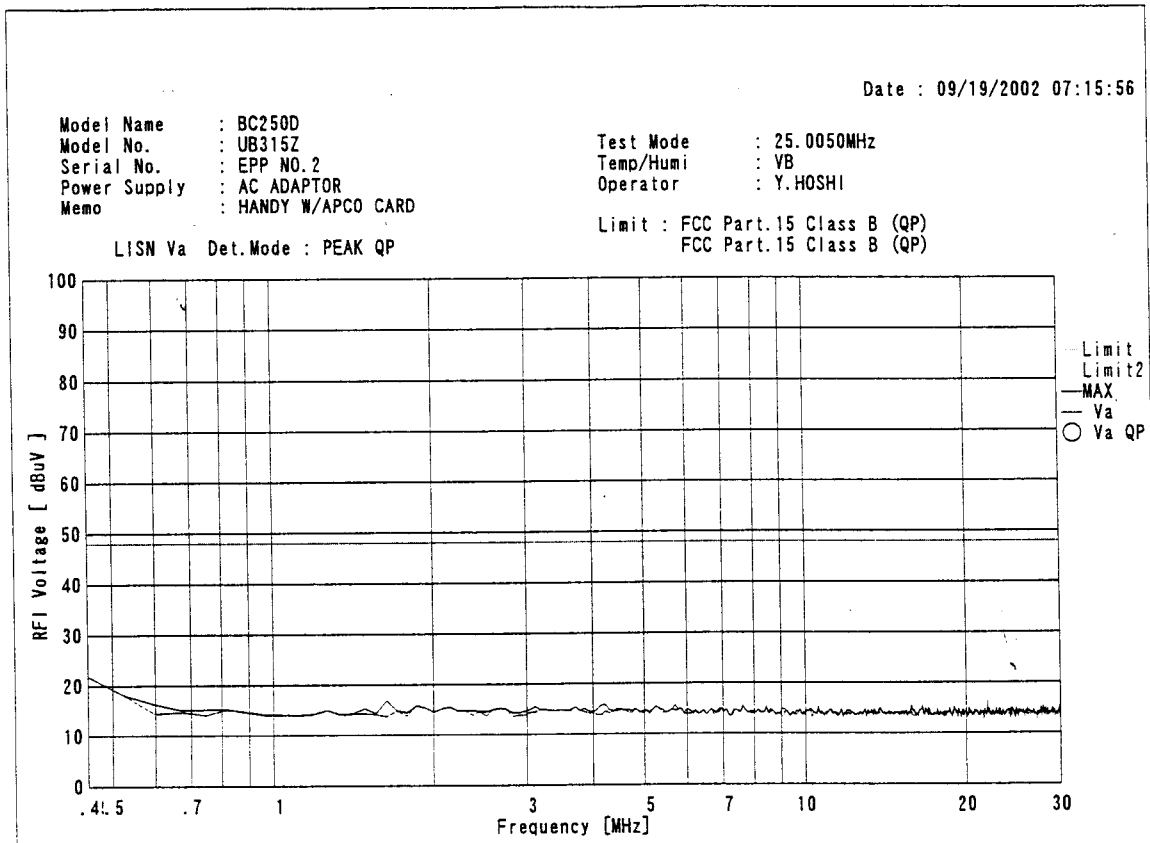
UB-315Z (BC250D)

Cellular Frequency (MHz)	Image/sprious (Frequency stopped on EUT) (MHz)	Image Rjection Ratio (dB)
824.01	812.4125	48.2
836.52	75.2800	58.5
	862.9250	49.2
849.00	29.2000	53.5
	819.8000	57.4
	849.9000	59.8
	861.7500	63.4
869.01	856.2625	67.2
	895.4125	48.2
881.52	907.8250	49.2
894.00	44.2000	59.7
	849.8000	57.0
	894.9000	60.0
	900.6000	59.9
	906.7500	61.8
	920.4000	48.0

5-2 Test Result: Power Line Conducted Emissions

Tuned Frequency (MHz)	Emission Frequency (MHz)	Measured Level (dBuV)
49.9000	NO EMISSIONS EXCEED 20dB BELOW THE FCC LIMIT.	
72.0050	NO EMISSIONS EXCEED 20dB BELOW THE FCC LIMIT.	
127.1750	NO EMISSIONS EXCEED 20dB BELOW THE FCC LIMIT.	
162.4000	NO EMISSIONS EXCEED 20dB BELOW THE FCC LIMIT.	
216.0500	NO EMISSIONS EXCEED 20dB BELOW THE FCC LIMIT.	
406.8750	NO EMISSIONS EXCEED 20dB BELOW THE FCC LIMIT.	
857.2000	NO EMISSIONS EXCEED 20dB BELOW THE FCC LIMIT.	
1299.9125	NO EMISSIONS EXCEED 20dB BELOW THE FCC LIMIT.	

All emissions not reported were more than 20 dB below the limit.
(See attached example for 25.005MHz reception.)



LIST OF MEASUREMENT EQUIPMENTS

ENG-NO	TEST EQUIPMENT	TYPE	MFR	SERIAL NO.	Last Calibratation
1287	AMPLIFIER	AFS30010040020	MITEQ	138315	N/A
1294	ANTENNA (BILOG)	CBL6112A	CHASE	2350	N/A
1602	ANTENNA (DIPOLE)	3120-B1	EMCO	0075	16-Jul-00
1603	ANTENNA (DIPOLE)	3120-B2	EMCO	0076	16-Jul-00
1604	ANTENNA (DIPOLE)	3120-B3	EMCO	0076	16-Jul-00
1560	ANTENNA (HORN)	3115	EMCO	2167	N/A
1388	LISN	KNW407	KYOURITSU	8-833-21	N/A
0682	POWER SUPPLY	AA300	TAKASAGO	31783013	N/A
0857	SPECTRUM ANALYZER	E7400A	HP	US40240145	23-Apr-02
0205	SPECTRUM ANALYZER	R3265	ADVANTEST	25060158	N/A