

1. Supplement for Radiated Emissions Test Data

A. Fundamental Frequency

Operation Mode : TX/RX With 1 kHz Sinewave inputted@ 85% Modulation.

Operation Frequency : TX: 49.860 MHz, RX: 40.680 MHz

Test Date: Jan. 11, 2002 Temperature : 20 • Humidity: 70 %

Frequency (MHz)	Reading (dBUV)				Factor (dB) Corr.	Result @3m (dBUV/m)		Limit @3m (dBUV/m)		Margin (dB)	Table Deg. (Deg.)	Ant. High (m)
	H		V			Peak	Ave	Peak	Ave.			
	Peak	Ave	Peak	Ave								
49.860	82.0	81.0	94.8	93.0	-14.1	80.7	78.9	100.0	80.0	1.1	180	1.00

Note : 1. Item of margin shown in above table refer to average limit.

2. It is considered that the results of average comply with average limit when measuring data with a peak function detector meet the average limit. Mark “***” means that Peak result is meet average limit.

3. Remark “---” means that the emissions level is too low to be measured.

4. Item “Margin” referred to Average limit while there is only peak result.

5. The expanded uncertainty of the radiated emission tests is 3.53 dB.

B. Harmonic & Spurious

Operation Mode : TX/RX

Test Date : Jan. 11, 2002

Temperature : 20 • Humidity: 70 %

Frequency (MHz)	Meter Reading (dBuV) H V		Corrected Factor (dB)	Result @3m (dBuV/m)	Limit @3m (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (m)
*40.681 •	---	---	-12.0 •	---	40.0 •	---	---	---
*81.362 •	---	---	-14.9 •	---	40.0 •	---	---	---
*122.043 •	---	---	-10.9 •	---	43.5 •	---	---	---
*162.724 •	---	---	-9.4 •	---	43.5 •	---	---	---
*203.405 •	---	---	-6.9 •	---	43.5 •	---	---	---
*244.086 •	---	---	-4.3 •	---	46.0 •	---	---	---
*284.767 •	---	---	-2.4 •	---	46.0 •	---	---	---
*325.448 •	---	---	-6.8 •	---	46.0 •	---	---	---
*366.129 •	---	---	-7.5 •	---	46.0 •	---	---	---
*406.810 •	---	---	-6.2 •	---	46.0 •	---	---	---
99.720 •	---	---	-13.9 •	---	43.5 •	---	---	---
149.580 •	---	---	-10.0 •	---	43.5 •	---	---	---
199.440 •	---	---	-7.2 •	---	43.5 •	---	---	---
249.300 •	---	---	-3.9 •	---	46.0 •	---	---	---
299.160 •	---	---	-0.9 •	---	46.0 •	---	---	---
349.020 •	---	---	-10.4 •	---	46.0 •	---	---	---
398.880 •	---	---	-6.4 •	---	46.0 •	---	---	---
448.740 •	---	---	-5.6 •	---	46.0 •	---	---	---
498.600 •	---	---	-4.4 •	---	46.0 •	---	---	---

Note :

1. Remark “---” means that the emissions level is too low to be measured.
2. Item “Margin” referred to Average limit while there is only peak result.
3. Remark “*” means that the emission frequency is produced from local oscillator.
4. The expanded uncertainty of the radiated emission tests is 3.53 dB.

C. Other Emission

Operation Mode : Charging

Test Date : Jan. 11, 2002

Temperature : 20 • Humidity: 70 %

Frequency (MHz)	Meter Reading (dBuV) H V		Corrected Factor (dB)	Result @3m (dBuV/m)	Limit @3m (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (m)
30.000 •	---	---	-9.8 •	---	40.0 •	---	---	---
50.000 •	---	---	-14.1 •	---	40.0 •	---	---	---
80.000 •	---	---	-15.0 •	---	40.0 •	---	---	---
150.000 •	---	---	-10.0 •	---	43.5 •	---	---	---
250.000 •	---	---	-3.9 •	---	46.0 •	---	---	---
350.000 •	---	---	-10.5 •	---	46.0 •	---	---	---
500.000 •	---	---	-4.4 •	---	46.0 •	---	---	---
800.000 •	---	---	0.7 •	---	46.0 •	---	---	---

Note :

1. Remark “---” means that the emissions level is too low to be measured.
2. The expanded uncertainty of the radiated emission tests is 3.53 dB.

2. Radiated Test Equipment

Equipment	Manufacturer	Model No.	Next Cal. Date
Spectrum Analyzer	Hewlett-Packard	8568B	1/10/2003
Pre-selector	Hewlett-Packard	85685A	1/10/2003
Quasi Peak Detector	Hewlett-Packard	85650A	1/10/2003
RF Test Receiver	Rohde & Schwarz	ESVS 30	08/06/2002
Log periodic Antenna	EMCO	3146	11/02/2002
Biconical Antenna	EMCO	3110B	11/02/2002
Preamplifier	Hewlett-Packard	8447D	12/29/2002
Spectrum Analyzer	Hewlett-Packard	8564E	04/22/2002

3. Measuring Instrument Setup

Explanation of measuring instrument setup in frequency band measured is as following:

Frequency Band (MHz)	Instrument	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	RF Test Receiver	Quasi Peak	120 kHz	N/A
	Spectrum Analyzer	Peak	100 kHz	100 kHz