

ELECTROMAGNETIC EMISSION COMPLIANCE REPORT FOR PCS PRIVATE LAND MOBILE LICENSED DATA TRANSCEIVER MODULE

Test Report No. : E091R-013

AGR No. : A08NA-080

Applicant : Hoseo Telnet Co., Ltd.

Address : Hoseo B/D, 4F, 680, Deungchon-3dong, Kangseo-gu, Seoul, 157-033, Korea

Manufacturer : Hoseo Telnet Co., Ltd.

Address : Hoseo B/D, 4F, 680, Deungchon-3dong, Kangseo-gu, Seoul, 157-033, Korea

Type of Equipment : Two Way Pager

FCC ID. : R2SST902

Model Name : ST-902

Serial number : None

Total page of Report : 29 pages (including this page)

Date of Incoming : November 25, 2008

Date of issue : January 13, 2009

SUMMARY

The equipment complies with the regulation; **FCC Part 24D and 90.**

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.

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CONTENTS

PAGE

1. VERIFICATION OF COMPLIANCE	4
2. TEST SUMMARY	5
2.1 TEST ITEMS AND RESULTS.....	5
2.2 ADDITIONS, DEVIATIONS, EXCLUSIONS FROM STANDARDS	5
2.3 RELATED SUBMITTAL(S) / GRANT(S)	5
2.4 PURPOSE OF THE TEST	5
2.5 TEST METHODOLOGY	5
2.6 TEST FACILITY	5
3. GENERAL INFORMATION	6
3.1 PRODUCT DESCRIPTION.....	6
3.2 ALTERNATIVE TYPE(S)/MODEL(S); ALSO COVERED BY THIS TEST REPORT.	6
3.3 PERIPHERAL EQUIPMENT.....	7
3.4 MODE OF OPERATION DURING THE TEST.....	7
4. EUT MODIFICATIONS	7
5. RF POWER OUTPUT AT ANTENNA TERMINAL	8
5.1 OPERATING ENVIRONMENT	8
5.2 TEST SET-UP	8
5.3 TEST EQUIPMENT USED	8
5.4 TEST DATA.....	9
6. DUTY CYCLE	11
6.1 OPERATING ENVIRONMENT	11
6.2 TEST SET-UP	11
6.3 TEST EQUIPMENT USED	11
6.4 TEST DATA.....	11
7. OCCUPIED BANDWIDTH, BANDWIDTH LIMITATION, EMISSION MASKS.....	13
7.1 OPERATING ENVIRONMENT	13
7.2 TEST SET-UP	13
7.3 TEST EQUIPMENT USED	13
7.4 TEST DATA.....	14

8. SPURIOUS EMISSION AT ANTENNA TERMINAL	17
8.1 OPERATING ENVIRONMENT	17
8.2 TEST SET-UP FOR CONDUCTED MEASUREMENT	17
8.3 TEST EQUIPMENT USED	17
8.4. TEST DATA	18
9. FIELD STRENGTH OF SPURIOUS RADIATION	21
9.1 OPERATING ENVIRONMENT	21
9.2 TEST SET-UP	21
9.3 TEST EQUIPMENT USED	21
9.4 TEST DATA FOR SPURIOUS & HARMONIC RADIATED EMISSION RADIATED EMISSION.....	22
10. FREQUENCY STABILITY WITH TEMPERATURE VARIATION	24
10.1 OPERATING ENVIRONMENT	24
10.2 TEST SET-UP	24
10.3 TEST EQUIPMENT USED	24
10.4 TEST DATA	25
11. FREQUENCY STABILITY WITH VOLTAGE VARIATION	26
11.1 OPERATING ENVIRONMENT	26
11.2 TEST SET-UP	26
11.3 TEST EQUIPMENT USED	26
11.4 TEST DATA	27
12. FIELD STRENGTH OF SPURIOUS RADIATED EMISSION IN RECEIVING MODE	28
12.1 OPERATING ENVIRONMENT	28
12.2 TEST SET-UP	28
12.3 TEST EQUIPMENT USED	28
12.4 TEST DATA	29

1. VERIFICATION OF COMPLIANCE

APPLICANT : Hoseo Telnet Co., Ltd.
ADDRESS : Hoseo B/D, 4F, 680, Deungchon-3dong, Kangseo-gu, Seoul, 157-033, Korea
CONTACT PERSON : Mr. Chang-Soo, Kim / Principal Engineer
TELEPHONE NO : +82-2-2659-7345
FCC ID : R2SST902
MODEL NO/NAME : ST-902
SERIAL NUMBER : N/A
DATE : January 13, 2009

EQUIPMENT CLASS	PCS Private Land Mobile Data Transceiver
EQUIPMENT DESCRIPTION	Two Way Pager
THIS REPORT CONCERNS	ORIGINAL GRANT
MEASUREMENT PROCEDURES	ANSI/TIA-603-C-2004
TYPE OF EQUIPMENT TESTED	PRE-PRODUCTION
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	CERTIFICATION
EQUIPMENT WILL BE OPERATED UNDER FCC RULES PART(S)	PART 24D and 90
MODIFICATIONS ON THE EQUIPMENT TO ACHIEVE COMPLIANCE	No
FINAL TEST WAS CONDUCTED ON	3 METER(S) OPEN AREA TEST SITE

The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

2. TEST SUMMARY

2.1 Test items and results

SECTION	TEST ITEMS	RESULTS
2.1046, 24.132, 90.635	RF Power Output at Antenna Terminals	Met the Limit / PASS
2.1049, 24.131, 90.209(b), 90.210(j)	Occupied Bandwidth, Bandwidth Limitation, Emission Masks	Met the Limit / PASS
2.1051, 24.133, 90.210(j)	Spurious Emissions at Antenna Terminals	Met the Limit / PASS
2.1053, 24.133, 90.210(j)	Field strength of Spurious Radiation	Met the Limit / PASS
2.1055(a)(1), 24.135, 90.213	Frequency Stability with Temperature variation	Met the Limit / PASS
2.1055(d), 24.135, 90.213	Frequency stability with primary voltage variation	Met the Limit / PASS
15.109(b)	Field strength of Spurious Radiation in Receiving Mode	Met the Limit / PASS
15.207 and 15.107	Conducted Limits	N/A (See Note 1)
2.1093	RF Exposure	See Note 2

Note 1: This test is not performed, because the power of the EUT is supplied from a DC battery.

Note 2: The max. RF output of the EUT is 1.47W, but the transmitting time of the equipment is 78.67 ms, so the equipment meets the RF Exposure requirement. Please refer to clause 6.4 in the report.

2.2 Additions, deviations, exclusions from standards

No additions, deviations or exclusions have been made from standard.

2.3 Related Submittal(s) / Grant(s)

Original submittal only

2.4 Purpose of the test

To determine whether the equipment under test fulfills the requirements of the regulation stated in section 2.1.

2.5 Test Methodology

Radiated testing was performed according to the procedures in ANSI/TIA-603-C-2004. Radiated testing was performed at a distance of 3 meters from EUT to the antenna.

2.6 Test Facility

The Electromagnetic compatibility measurement facilities are located on at 307-51 Daessangryung-ri, Chowol-eup, Gwangju-si, Gyeonggi-do, 464-862, Korea. Description details of test facilities were submitted to the Federal Communications Commission on August 21, 2008 (Registration Number: 340658), accredited by KOLAS (Korea Laboratory Accreditation Scheme, No: 85) and approved by TUV, DNV and KCC (Korea Communications Commission) according to the requirement of ISO 17025.

3. GENERAL INFORMATION

3.1 Product Description

The Hoseo Telnet Co., Ltd., Model ST-902 (referred to as the EUT in this report) is a Two Way Pager. The product specification described herein was obtained from product data sheet or user's manual.

DEVICE TYPE		PCS Private Land Mobile Data Transceiver
EMISSION DESIGNATOR		5K75F1D
OPERATING FREQUENCY	Transmitting Frequency	896 MHz ~ 902 MHz
	Receiving Frequency.	929MHz ~ 932MHz, and 935 MHz ~ 942MHz
APPLICABLE FREQUENCY	PART 24	901 MHz ~ 902 MHz
	PART 90	896 MHz ~ 901 MHz
RATED RF OUTPUT POWER		< 2 W
DC VOLTAGE & CURRENT INTO FINAL AMPLIFIER		DC 3.7 V, 1.2 A
MODULATION		GFSK
DATA TRANSFER RATE		Max. 9 600 bps
CHANNEL SPACING	Transmitter	6.25 kHz
	Receiver	10 kHz and 12.5kHz
USED IC CPU		AT91SAM7S256
ANTENNA	Transmitter	Fixed Helical Antenna, Model No: HS901-T1
	Receiver	Fixed Helical Antenna, Model No: HS935-R1
ANTENNA GAIN	Transmitter	(-5 ± 1.0) dBi
	Receiver	(-4 ± 1.0) dBi
TEMPERATURE RANGE		0℃ to +50℃
LIST OF EACH OSC. ORCRY. FREQ.(FREQ.>=1MHz)		19.2 MHz and 14.745 6 MHz
NUMBER OF LAYER		4 Layers
POWER REQUIREMENT		DC 1.5 V from AA type battery and DC 3.7 V from a rechargeable battery
EXTERNAL CONNECTOR		USB

3.2 Alternative type(s)/model(s); also covered by this test report.

-. None

3.3 Peripheral equipment

Defined as equipment needed for correct operation of the EUT, but not considered as tested:

Model	Manufacturer	FCC ID	Description	Connected to
ST-902	Hoseo Telnet Co., Ltd.	R2SST902	Two Way Pager (EUT)	-
PP04X	Dell Computer Corp.	DoC	Notebook PC	EUT
MO56UOA	Dell Computer Corp.	DoC	Mouse	Notebook PC
3453C	U.S. Robotics	CJE-0263	Modem	Notebook PC

3.4 Mode of operation during the test

-. After connected the EUT to the PC, the EUT was operated with max. RF output transmitting mode continuously by program (establishment of frequency modulation and non-modulation) during the test.

4. EUT MODIFICATIONS

-. None

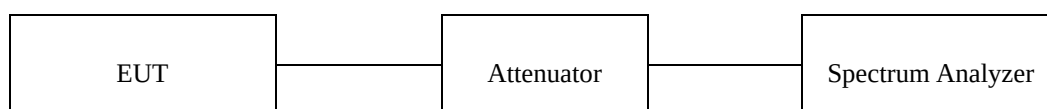
5. RF POWER OUTPUT at ANTENNA TERMINAL

5.1 Operating environment

Temperature : 22.4 °C
Relative humidity : 48 %R.H.

5.2 Test set-up

The RF output port of the EUT was connected to the input of the spectrum analyzer through sufficient attenuation. The resolution bandwidth was set to 2 MHz and video bandwidth of the spectrum analyzer was set at 3 MHz and the spectrum as recorded in the frequency band ± 5 MHz from the carrier frequency.



5.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	8564E	HP	Spectrum Analyzer	3650A00756	June 16, 2008
■ -	437B	HP	Power Meter	3125U25121	June 16, 2008
■ -	8481B	HP	Power Sensor	3318A08571	June 16, 2008
■ -	N/A	HP	30 dB Attenuator Assembly	2350A3133	-

All test equipment used is calibrated on a regular basis.

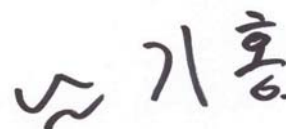
5.4 Test data

-. Test Date : December 02, 2008

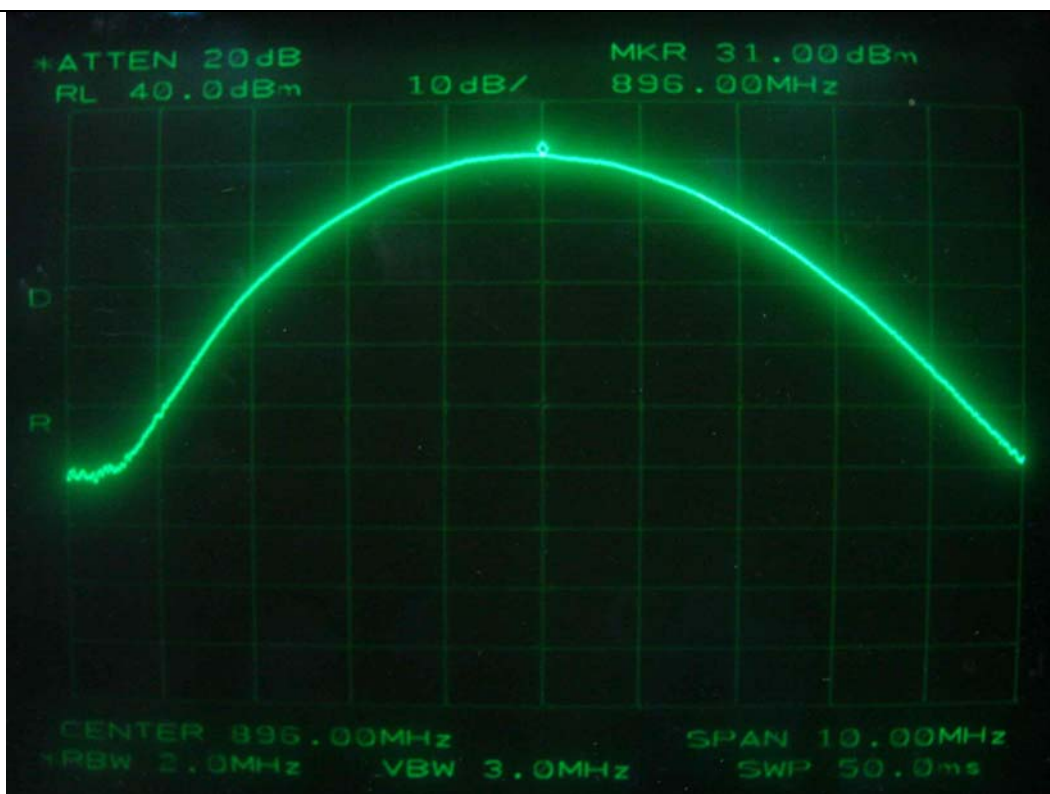
-. Test Result : Pass

CHANNEL	FREQUENCY (MHz)	Detector Mode	MEASURED VLAUE (dBm)	LOSS (dB)	TOTAL (dBm)	RESULT (W)
Low	896	Peak	31.00	0.67	31.67	1.47
High	902	Peak	30.50	0.67	31.17	1.31
Low	896	Average	30.82	0.67	31.49	1.41
High	902	Average	30.28	0.67	30.95	1.24

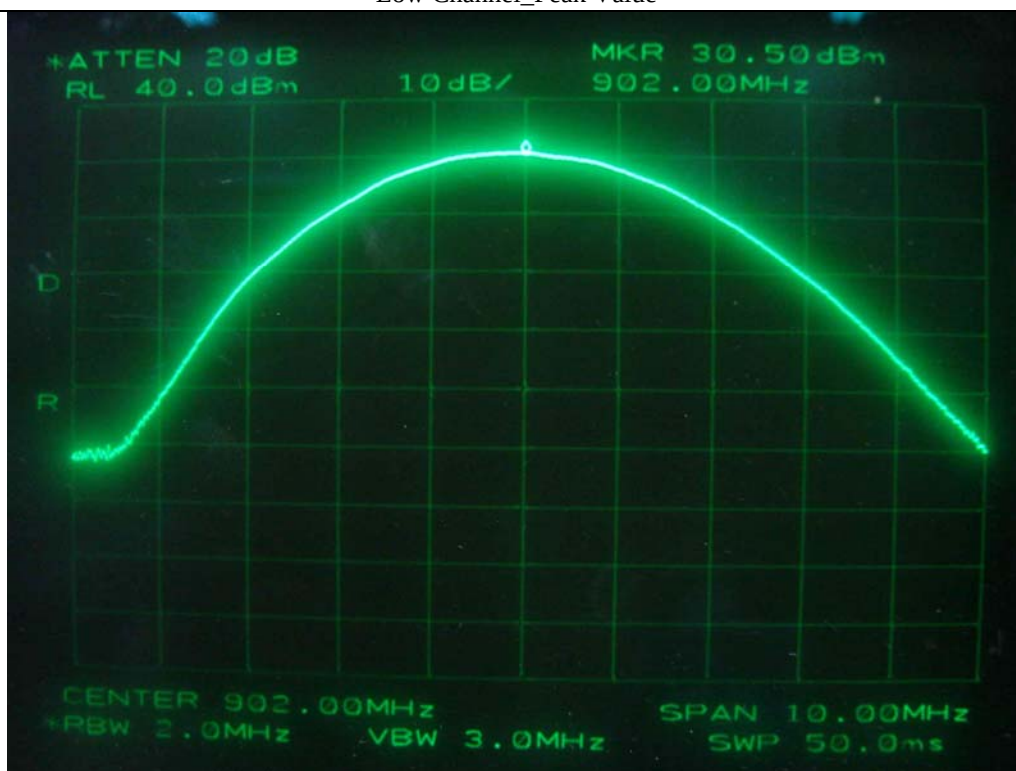
Remark: See next page for an overview sweep performed with peak detector and spectrum analyzer offset function was used for attenuator.



Tested by: Ki-Hong, Nam / Project Engineer



Low Channel_Peak Value



High Channel_Peak Value

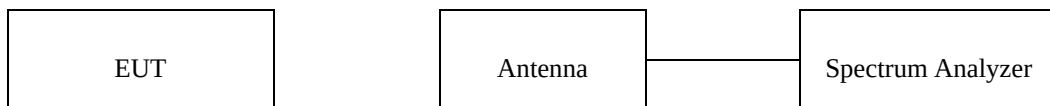
6. Duty Cycle

6.1 Operating environment

Temperature : 22.4 °C
Relative humidity : 48 %R.H.

6.2 Test set-up

The Pager Tester transmitted the signal for making communication link of the EUT and then the EUT transmits carrier signal with the worst transmitting condition. The radiated carrier signal was received with an antenna and then the antenna was connected to the spectrum analyzer.



6.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	8564E	HP	Spectrum Analyzer	3650A00756	June 16, 2008
■ -	TC-2000A	TESCOM	Universal Pager Tester	3650A00756	June 16, 2008
■ -	N/A	HP	30 dB Attenuator Assembly	2350A3133	-

All test equipment used is calibrated on a regular basis.

6.4 Test data

-. Test Date : December 02, 2008

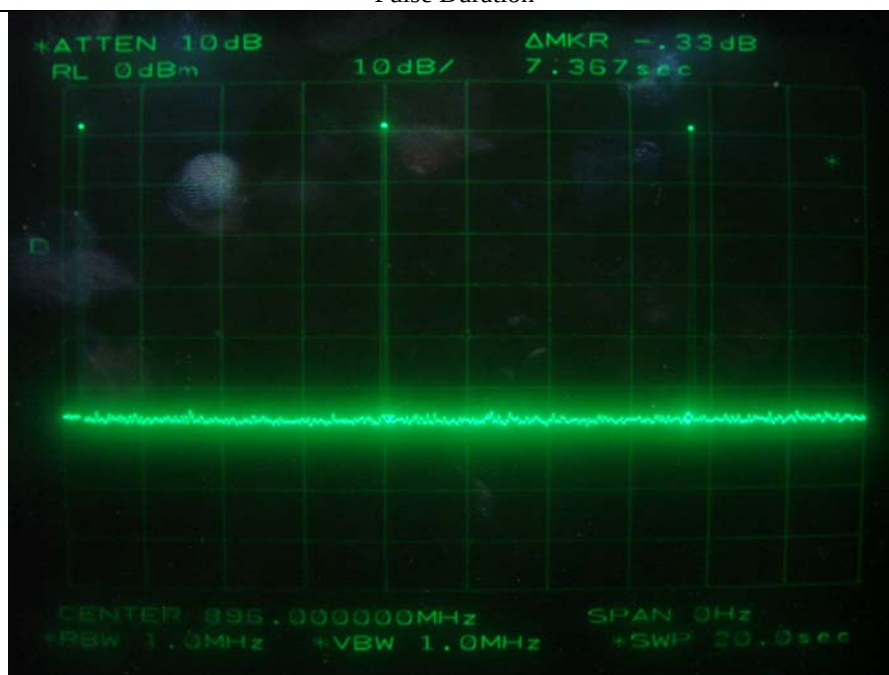
CHANNEL	FREQUENCY (MHz)	Pulse On Time (Sec)	Pulse Off Time (Sec)	Duty Cycle
Low	896	0.07867	7.367	0.010566

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Tested by: Ki-Hong, Nam / Project Engineer



Pulse Duration



Pulse Period

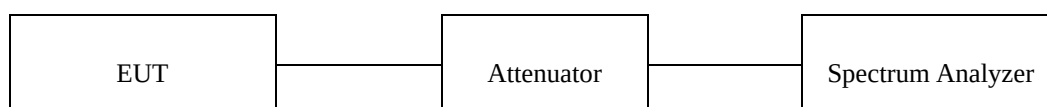
7. OCCUPIED BANDWIDTH, BANDWIDTH LIMITATION, EMISSION MASKS

7.1 Operating environment

Temperature : 22.4 °C
Relative humidity : 48 %R.H.

7.2 Test set-up

The RF output port of the EUT was connected to the input of the spectrum analyzer through sufficient attenuation. The resolution bandwidth and video bandwidth of the spectrum analyzer was set at 300 Hz for emission mask, 1 kHz for 99 % occupied bandwidth and the spectrum was recorded in the frequency band ± 25 kHz from the carrier frequency.



7.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	8564E	HP	Spectrum Analyzer	3650A00756	June 16, 2008
■ -	N/A	HP	30 dB Attenuator Assembly	2350A3133	-

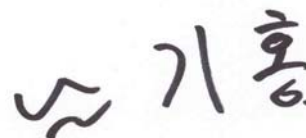
All test equipment used is calibrated on a regular basis.

7.4 Test data

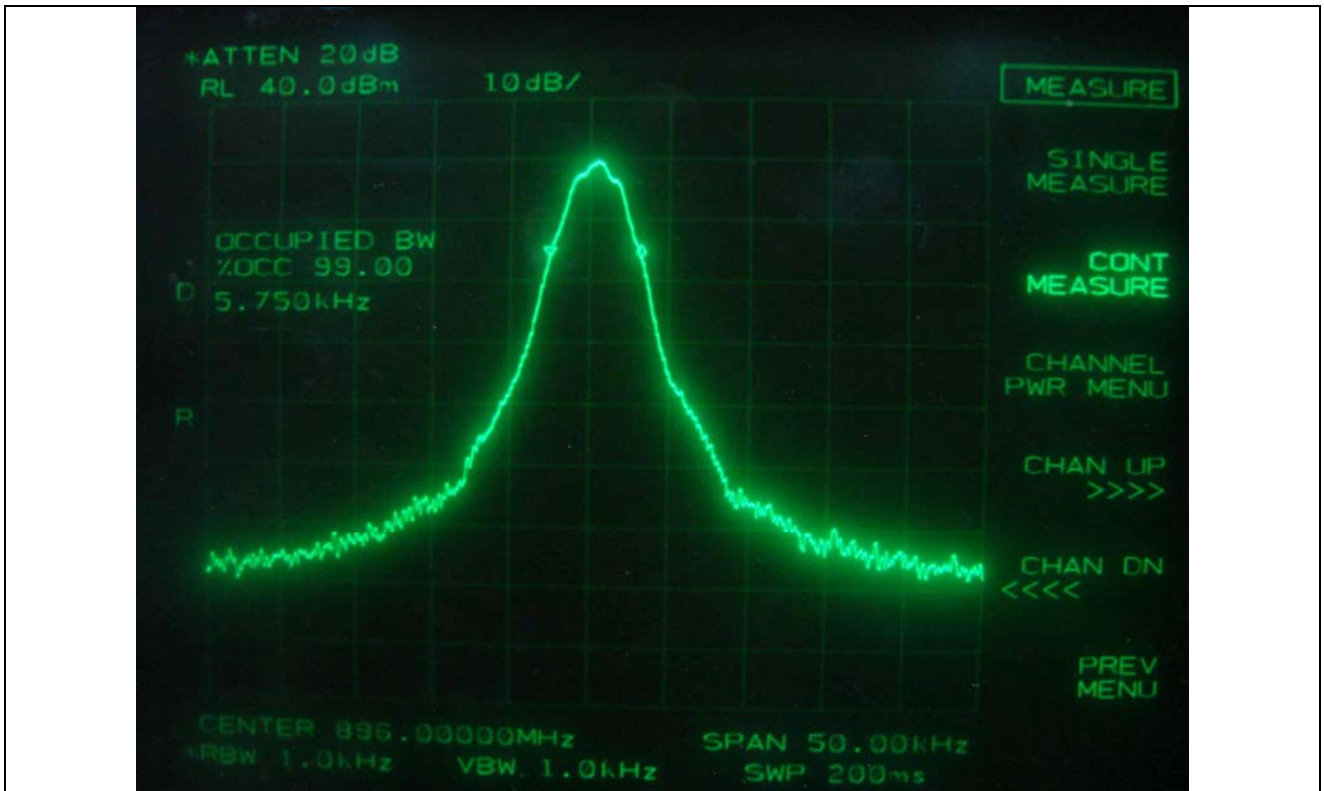
-. Test Date : December 02, 2008

-. Test Result : Pass

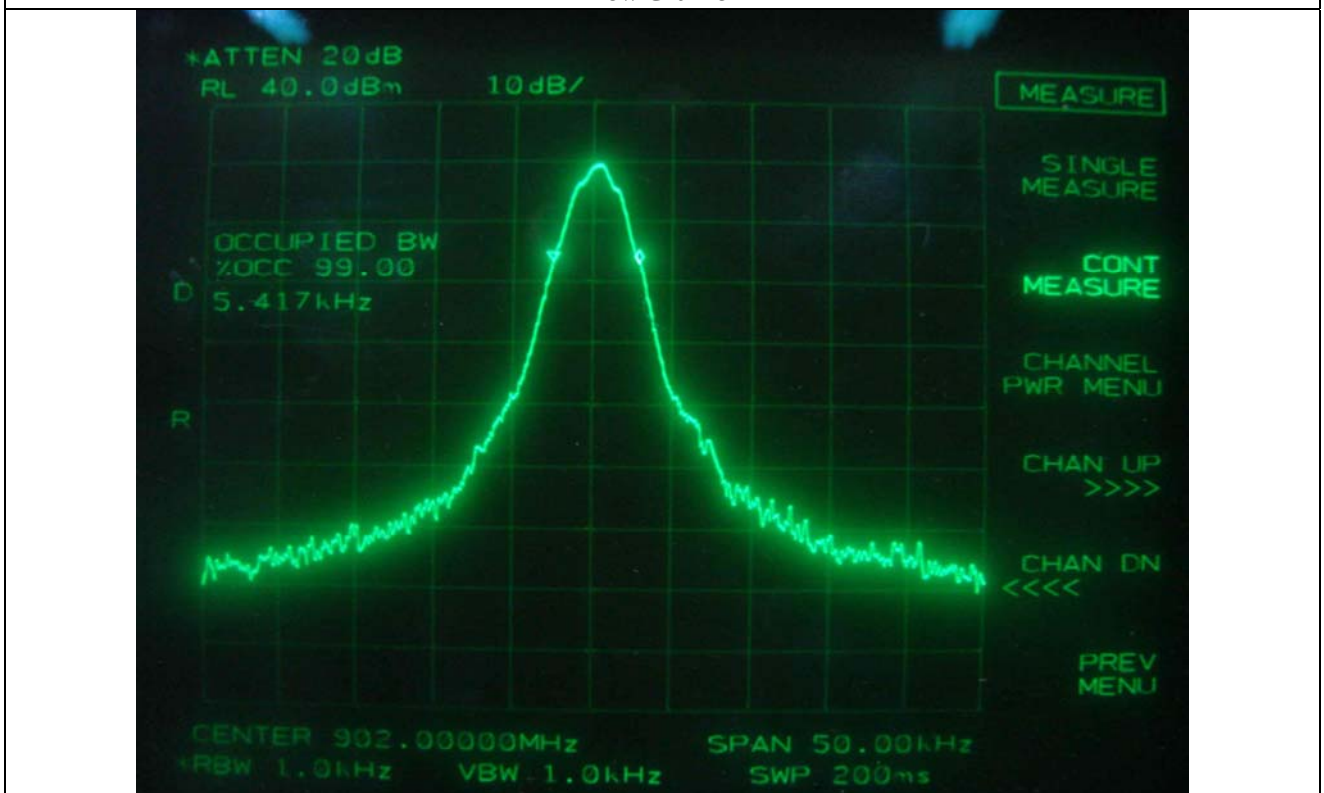
CHANNEL	FREQUENCY(MHz)	MEASURED VLAUE (kHz)	LIMIT (kHz)	MARGIN (kHz)
Low	896	5.750	10.0 kHz for Part 24	-4.250
High	902	5.417	13.6 kHz for Part 90	



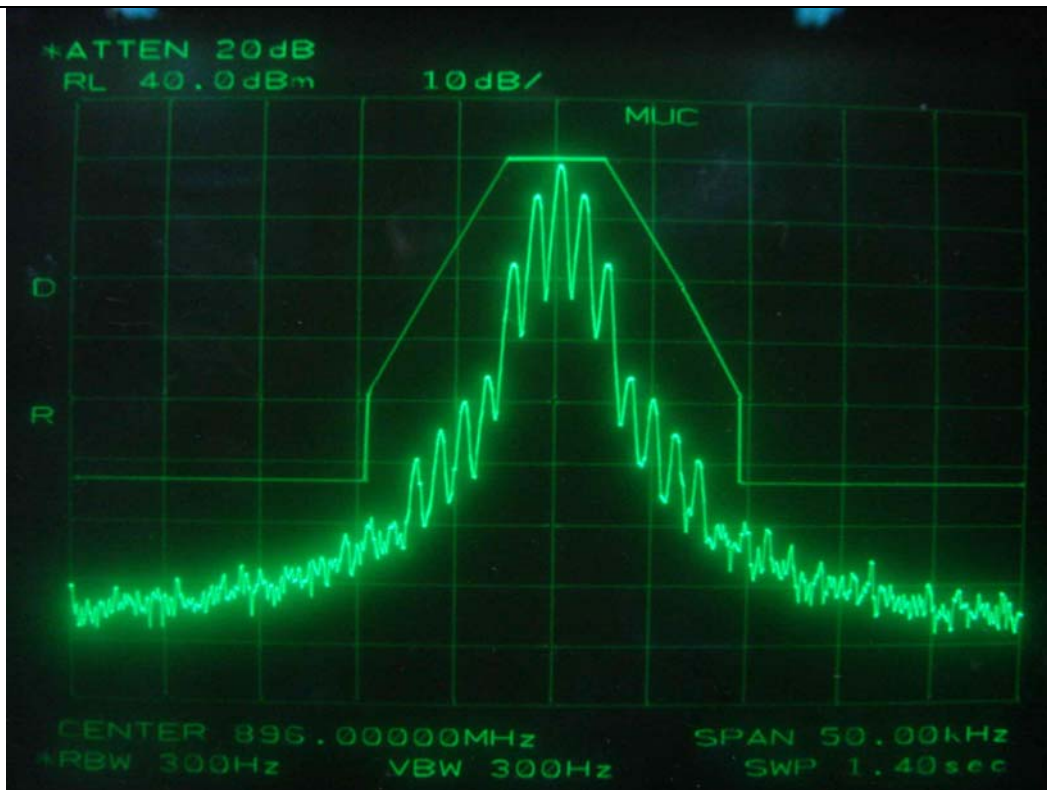
Tested by: Ki-Hong, Nam / Project Engineer



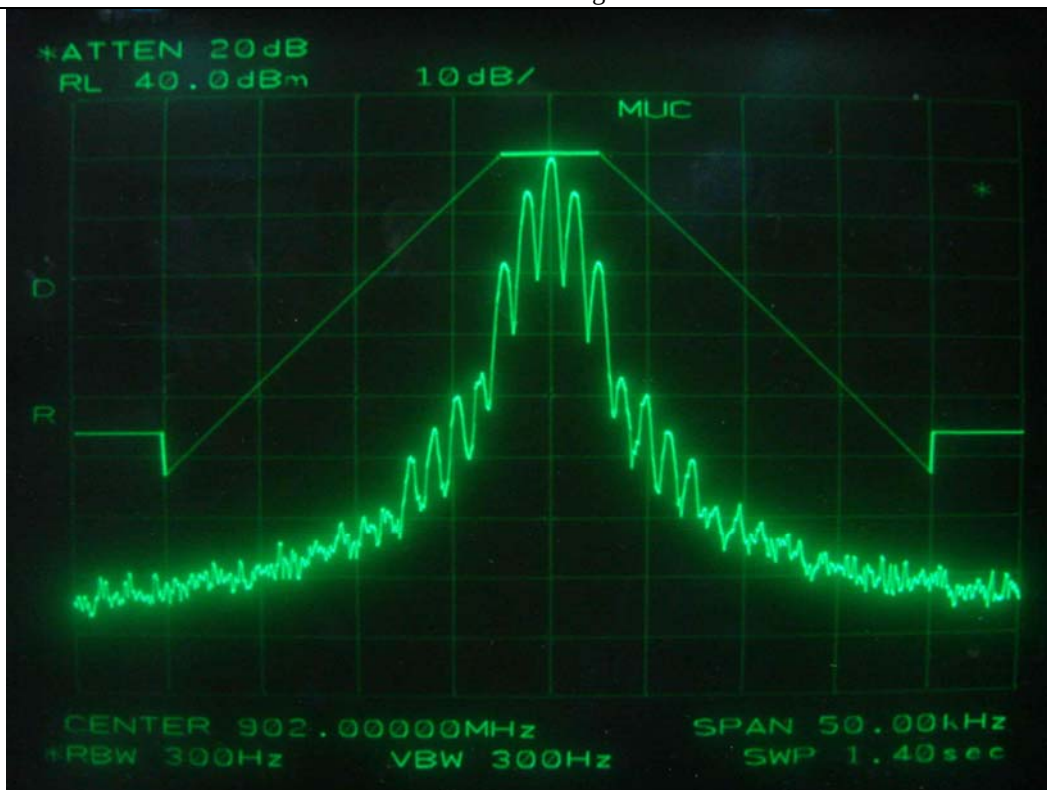
Low Channel



High Channel



Low Channel according to Part 90



High Channel according to Part 24D

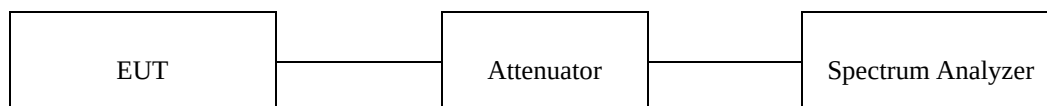
8. SPURIOUS EMISSION AT ANTENNA TERMINAL

8.1 Operating environment

Temperature : 22.4 °C
Relative humidity : 48 %R.H.

8.2 Test set-up for conducted measurement

The RF output port of the EUT was connected to the input of the spectrum analyzer through sufficient attenuation. The resolution bandwidth and video bandwidth of the spectrum analyzer was set at 100 kHz and sufficient scans were taken to show any out of band emissions up to 10 GHz.



8.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	8564E	HP	Spectrum Analyzer	3650A00756	June 16, 2008
■ -	N/A	HP	30 dB Attenuator Assembly	2350A3133	-

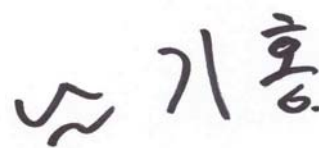
All test equipment used is calibrated on a regular basis.

8.4. Test data

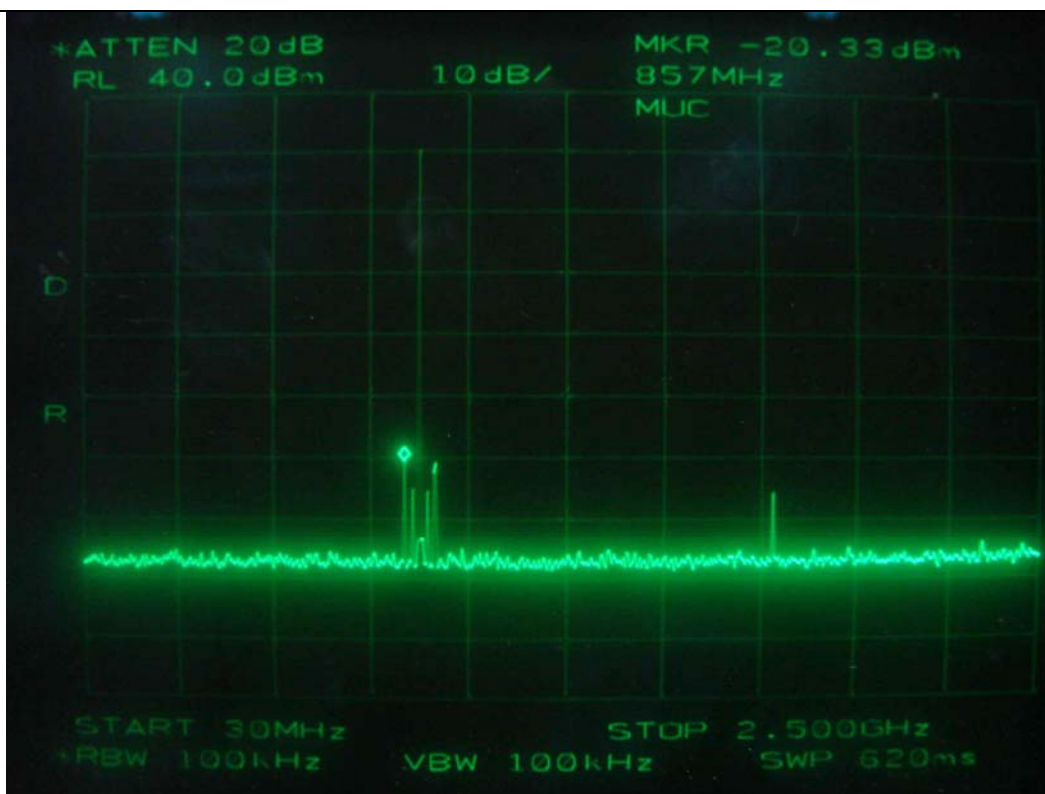
- . Test Date : December 02, 2008
-. Frequency range : 30 MHz ~ 10 GHz
-. Result : PASSED BY -6.83 dB at Low Channel

Carrier Freq. (MHz)	Harmonic Freq. (MHz)	Measured Value (dBm)	Cable Loss (dB)	TOTAL (dBm)	Limit (dBm)	Margin (dB)
896.0	857	-20.33	0.50	-19.83	-13.00	-6.83
	878	-25.00	0.50	-24.50		-11.50
	915	-25.33	0.50	-24.83		-11.83
	936	-20.83	0.50	-20.33		-7.33
	1 788	-25.67	0.84	-24.83		-11.83
902.0	862	-23.17	0.50	-22.67	-13.00	-9.67
	882	-25.83	0.50	-25.33		-12.33
	919	-25.83	0.50	-25.33		-12.33
	940	-22.67	0.50	-22.17		-9.17
	1 800	-28.17	0.84	-27.33		-14.33

According to Part 24D, out of band emission shall be attenuated by $43 + 10 \log (P)$ dBc, equates to -13.0 dBm.



Tested by: Ki-Hong, Nam / Project Engineer



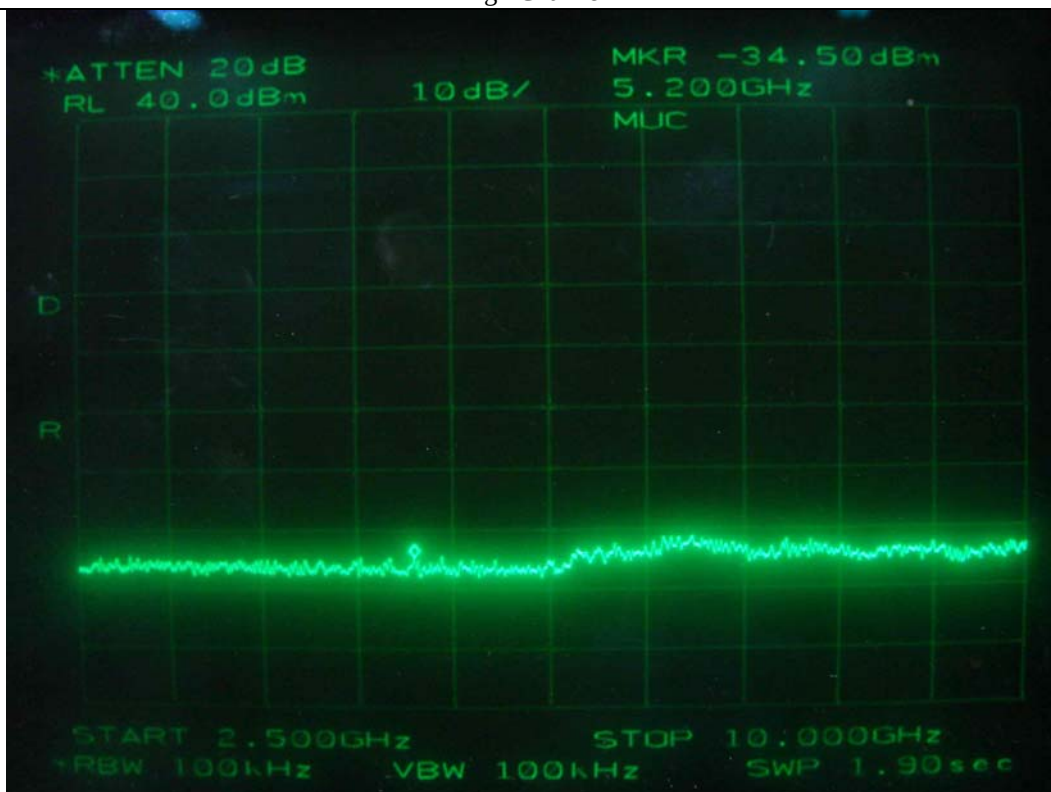
Low Channel



Low Channel



High Channel



High Channel

9. FIELD STRENGTH OF SPURIOUS RADIATION

9.1 Operating environment

Temperature : 12.1 °C
Relative humidity : 49.5 %R.H.

9.2 Test set-up

The radiated emissions measurements were on the 3 meters, open-field test site. The EUT and other support equipment were placed on a non-conductive turntable above the ground plane. The interconnecting cables from outside test site were inserted into ferrite clamps at the point where the cables reach the turntable.

The frequency spectrum from 30 MHz to up to 10th harmonic of the fundamental frequency was scanned and emission levels maximized at each frequency recorded. The system was rotated 360°, and the antenna was varied in height between 1.0 and 4.0 meters in order to determine the maximum emission levels. The test was performed by placing the EUT on 3-orthogonal axis. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

9.3 Test equipment used

Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ - ESVD	Rohde & Schwarz	EMI Test Receiver	838453/018	Nov. 16, 2008
■ - 8566B	HP	Spectrum Analyzer	3407A08547	June 16, 2008
■ - 8447D	Hewlett Packard	Amplifier	2727A04987	June 16, 2008
■ - MA240	HD GmbH	Antenna Master	N/A	N/A
■ - HD100	HD GmbH	Position Controller	N/A	N/A
■ - DS420S	HD GmbH	Turn Table	N/A	N/A
■ - VHA9103	Schwarzbeck	Biconical Antenna	91031852	Feb. 13, 2008
■ - 9108-A(494)	Schwarzbeck	Log Periodic Antenna	62281001	Feb. 13, 2008

All test equipment used is calibrated on a regular basis.

9.4 Test data for Spurious & Harmonic Radiated Emission radiated emission

- . Test Date : December 04, 2008
- . Resolution bandwidth : 1 MHz for Peak and Average Mode
- . Video bandwidth : 1 MHz for Peak Mode, 10Hz for Average Mode
- . Frequency range : 1 GHz ~ 10 GHz
- . Measurement distance : 3 m
- . Result : PASSED BY -18.18 dB at Low Channel

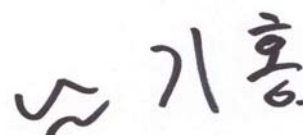
Frequency (MHz)	Spectrum Reading (dBμV)	Generator Reading (dBm)	Ant. Gain (dBi)	Ant. Pol. (H/V)	Cable Loss (dB)	Total (dBm)	Limit (dBm)	Margin (dB)
Test Data for Low Channel, 896.0 MHz								
896.00	102.33	25.83	-0.56	H	1.66	26.93	-	-
896.00	104.33	28.33	-0.56	V	1.66	29.43	-	-
857.60	27.83	-48.67	-0.03	H	1.60	-47.10	-13.00	-34.10
857.60	28.00	-48.00	-0.03	V	1.60	-46.43	-13.00	-33.43
876.80	32.33	-44.17	-0.30	H	1.63	-42.84	-13.00	-29.84
876.80	34.50	-41.50	-0.30	V	1.63	-40.17	-13.00	-27.17
915.20	32.00	-43.67	-0.57	H	1.67	-42.57	-13.00	-29.57
915.20	35.17	-35.49	-0.57	V	1.67	-34.39	-13.00	-21.39
934.40	43.33	-32.34	-0.51	H	1.67	-31.18	-13.00	-18.18
934.40	39.50	-38.33	-0.51	V	1.67	-37.17	-13.00	-24.17
1 792.00	33.83	-46.12	9.44	H	4.13	-32.55	-13.00	-19.55
1 792.00	30.00	-50.38	9.44	V	4.13	-36.81	-13.00	-23.81

Tabulated test data for Restricted Band

Frequency (MHz)	Spectrum Reading (dBμV)	Generator Reading (dBm)	Ant. Gain (dBi)	Ant. Pol. (H/V)	Cable Loss (dB)	Total (dBm)	Limit (dBm)	Margin (dB)
Test Data for High Channel, 902.0 MHz								
902.00	102.00	26.33	-0.60	H	1.67	27.40	-	-
902.00	105.83	28.00	-0.60	V	1.67	29.07	-	-
863.61	25.00	-51.50	-0.11	H	1.61	-50.00	-13.00	-37.00
863.61	28.17	-47.83	-0.11	V	1.61	-46.33	-13.00	-33.33
882.80	28.50	-48.00	-0.37	H	1.64	-46.73	-13.00	-33.73
882.80	27.50	-48.50	-0.37	V	1.64	-47.23	-13.00	-34.23
921.19	34.00	-41.67	-0.55	H	1.67	-40.55	-13.00	-27.55
921.19	31.33	-46.50	-0.55	V	1.67	-45.38	-13.00	-32.38
940.40	42.67	-33.00	-0.49	H	1.67	-31.82	-13.00	-18.82
940.40	38.83	-39.00	-0.49	V	1.67	-37.82	-13.00	-24.82
1 804.00	31.83	-47.30	9.49	H	4.16	-33.65	-13.00	-20.65
1 804.00	29.00	-51.93	9.49	V	4.16	-38.28	-13.00	-25.28

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical,



Tested by: Ki-Hong, Nam / Project Engineer

10. FREQUENCY STABILITY WITH TEMPERATURE VARIATION

10.1 Operating environment

Temperature : 22.4 °C
Relative humidity : 48 %R.H.

10.2 Test set-up

The EUT was connected to an external DC power supply and the RF output port of the EUT was connected to a frequency counter via feed-through attenuators. The EUT was placed inside of the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

Turn EUT off and set chamber temperature to -30 °C and then allow sufficient time (approximately 20 to 30 minutes after chamber reach the assigned temperature) for EUT to stabilize. Turn ON EUT and measure the EUT operating frequency and then turn off the EUT after the measurement.

Repeat above method emission measurements at +50 °C and then record all measured frequencies on each temperature step.

10.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	8564E	HP	Spectrum Analyzer	3650A00756	June 16, 2008
■ -	53152A	HP	Frequency Counter	US39270295	Dec. 05, 2008
■ -	N/A	HP	30 dB Attenuator Assembly	2350A03133	N/A
■ -	DRP-305DN	Digital Electronics	DC Power Supply	4030191	Sep. 05, 2008
■ -	EY-101	Tabai ESPEC Corp.	Chamber	5104390	N/A

All test equipment used is calibrated on a regular basis.

10.4 Test data

-. Test Date : December 02, 2008
-. Operating Condition : 800/1 600/6 400/9 200 bps was transmitted.
-. Result : PASSED

Temperature (°C)	Center Freq. (Hz)	Measured Freq.(Hz)	Result (PPM)	Limit
-30	896 000 000	895 999 813	-0.208 705 4	1 PPM
-20		895 999 895	-0.117 187 5	
-10		895 999 963	-0.041 294 6	
0		896 000 021	0.023 437 5	
10		896 000 072	0.080 357 1	
20		896 000 108	0.120 535 7	
30		896 000 154	0.171 875 0	
40		896 000 189	0.210 937 5	
50		896 000 232	0.258 928 6	
-30	902 000 000	901 999 700	-0.332 594 2	1 PPM
-20		901 999 771	-0.253 880 3	
-10		901 999 855	-0.160 753 9	
0		901 999 883	-0.129 711 8	
10		901 999 917	-0.092 017 7	
20		901 999 942	-0.064 301 6	
30		901 999 998	-0.002 217 3	
40		902 000 083	0.092 017 7	
50		902 000 127	0.140 798 2	



Tested by: Ki-Hong, Nam / Project Engineer

11. FREQUENCY STABILITY WITH VOLTAGE VARIATION

11.1 Operating environment

Temperature : 22.4 °C
Relative humidity : 48 %R.H.

11.2 Test set-up

An external variable DC power supply was connected to the battery terminals of the EUT. The voltage of EUT set to 115 % of the nominal value and was then decreased until the EUT light no longer illuminated; i.e., the battery end point. The output frequency was recorded for each battery voltage.

11.3 Test equipment used

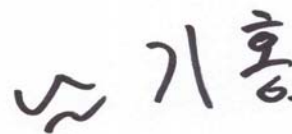
	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	8564E	HP	Spectrum Analyzer	3650A00756	June 16, 2008
■ -	53152A	HP	Frequency Counter	US39270295	Dec. 05, 2008
■ -	N/A	HP	30 dB Attenuator Assembly	2350A03133	N/A
■ -	DRP-305DN	Digital Electronics	DC Power Supply	4030191	Sep. 05, 2008

All test equipment used is calibrated on a regular basis.

11.4 Test data

-. Test Date : December 02, 2008
-. Rated Supply Voltage : 3.7 Vdc
-. Result : PASSED

Voltage (Vdc)	Carrier Freq. (Hz)	Measured Freq. (Hz)	Result (PPM)	Limit
4.255	896 000 000	896 000 104	0.116 071 4	1 PPM
3.600		896 000 151	0.168 526 8	
4.255	902 000 000	901 999 938	-0.068 736 1	1 PPM
3.600		901 999 950	-0.055 432 4	



Tested by: Ki-Hong, Nam / Project Engineer

12. FIELD STRENGTH OF SPURIOUS RADIATED EMISSION IN RECEIVING MODE

12.1 Operating environment

Temperature : 12.1 °C
Relative humidity : 49.5 %R.H.

12.2 Test set-up

The radiated emissions measurements were on the 3 meters, open-field test site. The EUT and other support equipment were placed on a non-conductive turntable above the ground plane. The interconnecting cables from outside test site were inserted into ferrite clamps at the point where the cables reach the turntable.

The frequency spectrum from 30 MHz to 1 000 MHz was scanned and emission levels maximized at each frequency recorded. The system was rotated 360°, and the antenna was varied in height between 1.0 and 4.0 meters in order to determine the maximum emission levels. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

12.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	ESVD	Rohde & Schwarz	EMI Test Receiver	838453/018	Nov. 16, 2008
■ -	8566B	HP	Spectrum Analyzer	3407A08547	June 16, 2008
■ -	8447D	Hewlett Packard	Amplifier	2727A04987	June 16, 2008
■ -	MA240	HD GmbH	Antenna Master	N/A	N/A
■ -	HD100	HD GmbH	Position Controller	N/A	N/A
■ -	DS420S	HD GmbH	Turn Table	N/A	N/A
■ -	VHA9103	Schwarzbeck	Biconical Antenna	91031852	Feb. 13, 2008
■ -	9108-A(494)	Schwarzbeck	Log Periodic Antenna	62281001	Feb. 13, 2008

All test equipment used is calibrated on a regular basis.

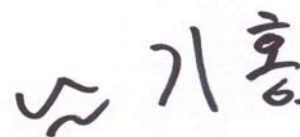
12.4 Test data

- . Test Date : December 04, 2008
- . Resolution bandwidth : 120 kHz
- . Frequency range : 30 MHz ~ 2.0 GHz
- . Measurement distance : 3 m
- . Operating Condition : Receiving mode at Low and High Channel

Frequency (MHz)	Reading (dBuV)	Ant. Pol. (H/V)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBuV/m)	Limits (dBuV/m)	Margin (dB)
126.90	16.83	V	13.57	2.47	32.87	43.52	-10.65
189.89	15.17	V	16.03	2.81	34.01	43.52	-9.51
262.57	16.00	H	17.79	3.30	37.09	46.02	-8.93
397.26	14.50	H	17.13	3.98	35.61	46.02	-10.41
438.93	13.83	V	18.35	4.23	36.41	46.02	-9.61
858.51	6.83	H	22.77	6.82	36.42	46.02	-9.60
It was not observed any emission from the EUT up to 2.0GHz.							

Tabulated test data for Radiated Electromagnetic Field

Remark: "H": Horizontal, "V": Vertical



Tested by: Ki-Hong, Nam / Project Engineer