

Test report

FCC ID : HYQBHT-7500S

Our reference : 21AE0058-YW-1

Page : 5 of 14

Issued date : 2000-9-12

2 PRODUCT DESCRIPTION

DENSO CORPORATION, Model BHT-7500S (referred to as the EUT in this report) is a Bar-code Handy Terminal.

The specification is as following :

Operation Frequency : 18.432MHz
Operation Voltage : DC 3.6V, 1200mAh (Battery)
Carrier Frequency : Low power frequency hopping spread spectrum(FHSS)
2402 through 2480MHz (79channels / each 1MHz wide)
*Antenna gain : 0.44dBi (Integral Antenna)

Testing Laboratory

A-pex International Co., Ltd.

108 Yokowa-cho, Ise-shi Mie-ken 516-1106 JAPAN

Telephone: +81 596 39 1485

Facsimile: +81 596 39 0232

MAXIMUM PEAK OUT PUT POWER

A-PEX INTERNATIONAL CO., LTD.
YOKOWA NO.3 OPEN SITE

COMPANY : DENSO CORPORATION
TRADE NAME : DENSO
EQUIPMENT : BAR-CODE HANDY TERMINAL
MODEL : BHT-7500S
POWER : DC3.6V
Mode : Ch1(2402MHz)/Ch40(2441MHz)/Ch79(2480MHz)
Remarks : PK Detect
DATE : 2000/ 8/25

REPORT NO : 21AE0058-YW-1
REGULATION : FCC15.247(b)
TEST DISTANCE : 3m
ATTENUATOR : NONE
FCC ID : HYQBHT-7500S

ENGINEER : Naoki.Sakamoto

Ch No.	FREQ [GHz]	S/A READING		ANT Factor [dB]	AMP Gain [dB]	Cable Loss [dB]	E		LIMIT [mW]	Result	
		HOR [dB μV]	VER [dB μV]				HOR [dB μV]	VER [dB μV]		HOR [mW]	VER [mW]
1	2.4016	111.3	112.5	28.8	34.3	5.2	111.0	112.2	1000.0	37.7	49.7
40	2.4406	113.7	114.0	28.7	34.3	5.2	113.3	113.6	1000.0	64.1	68.7
79	2.4796	112.0	112.8	28.7	34.3	5.3	111.7	112.5	1000.0	44.3	53.3

SAMPLE CALCLATION :

$E = S/A \text{ Reading} + ANT \text{ Factor} - AMP \text{ Gain} + Cable \text{ Loss}$

$Result = (E \cdot d)^2 / 30G$

E : Converted to V/m

d : Test distance(3m)

G : Antenna gain(1)

*Antenna Gain dose not exceed 6dBi(0.44dBi)