

## 13 Dwell Time

### 13.1 Standard Applicable

According to 15.247(a)(1)(iii), frequency hopping system in the 2400-2483.5MHz band employing at least 15 non-overlapping channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 second multiplied by the number of hopping channels employed.

### 13.2 Measurement Procedure

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. The setup of the EUT as shown in figure 4.

### 13.3 Measurement Equipment

Equipment	Manufacturer	Model No.	Next Cal. Due
Spectrum Analyzer	Hewlett-Packard	8564EC	09/16/2005

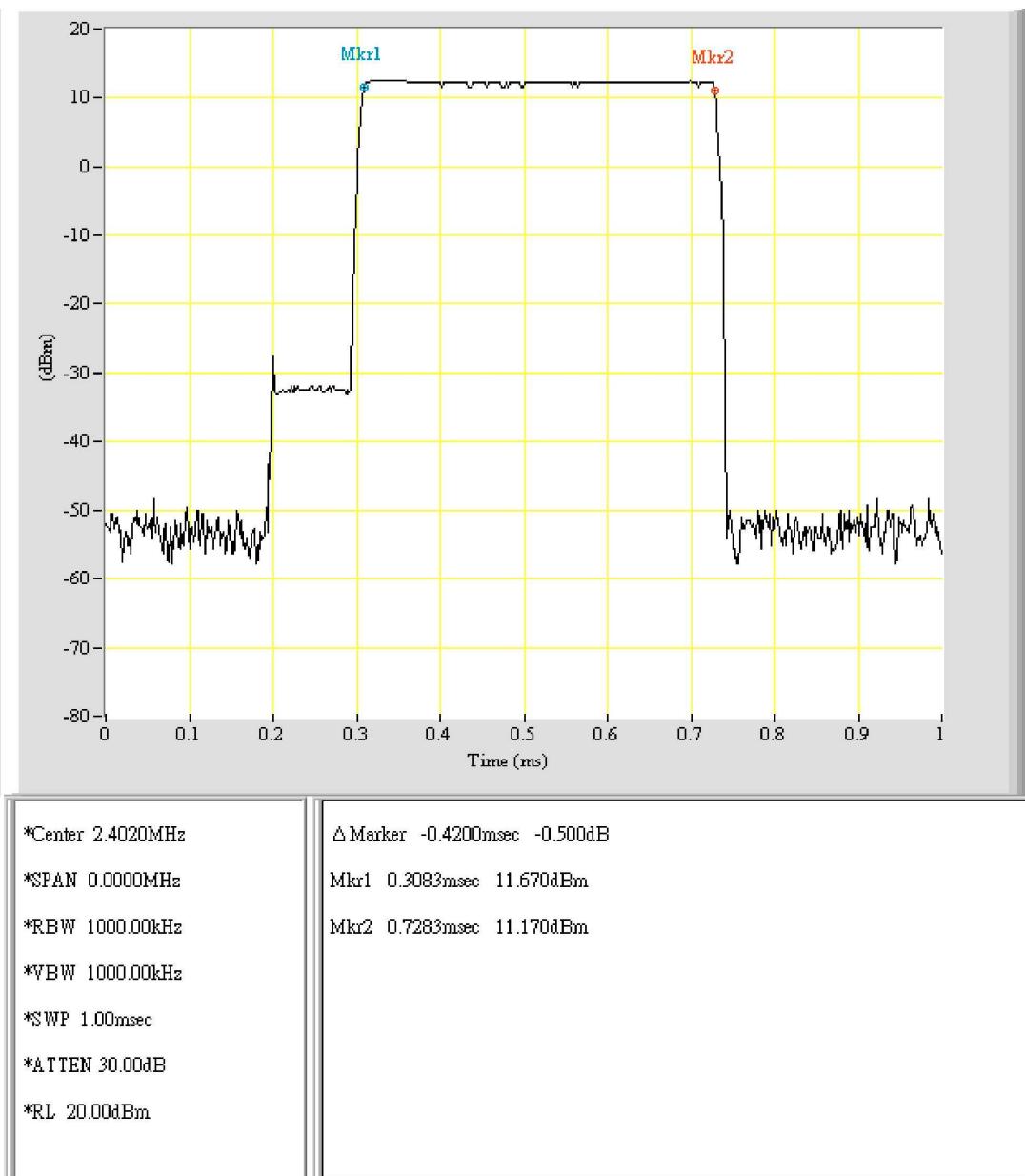
### 13.4 Measurement Data

Test Date : Dec. 27, 2004 Temperature : 23 °C Humidity: 71%

Test period=0.4(second/channel)×79 channel=31.6sec

- a) 2402MHz dwell time=  $420.0\text{us} \times \frac{800}{79} \times 31.6 = 134.400 \text{ ms}$
- b) 2441MHz dwell time=  $420.0\text{us} \times \frac{800}{79} \times 31.6 = 134.400 \text{ ms}$
- c) 2480MHz dwell time=  $420.0\text{us} \times \frac{800}{79} \times 31.6 = 134.400 \text{ ms}$

*Note: Please refer to page 89 to page 94 for chart*

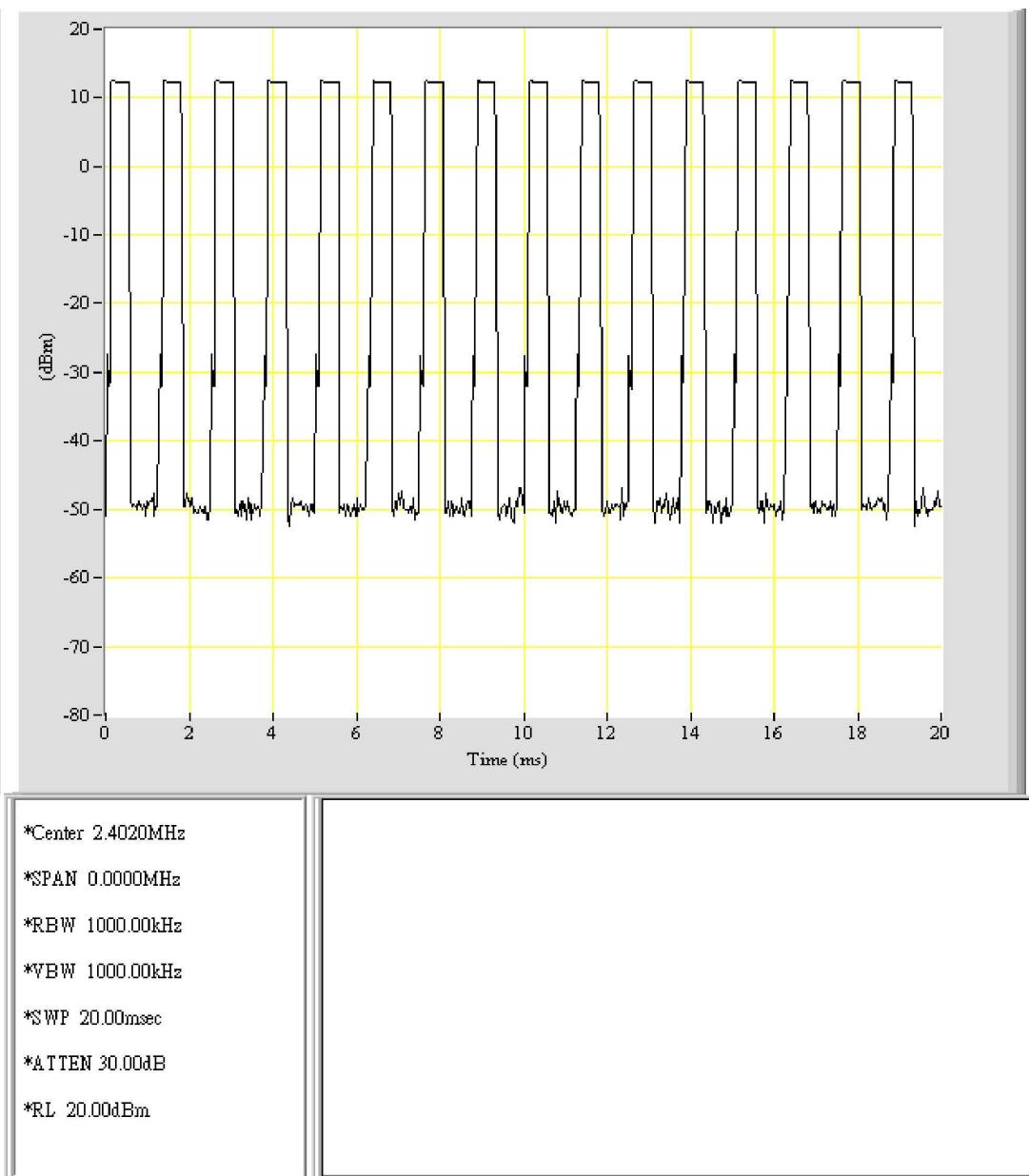


EUT:

Purpose: Dwell\_Time

Condition: DH1\_CH0

Note:

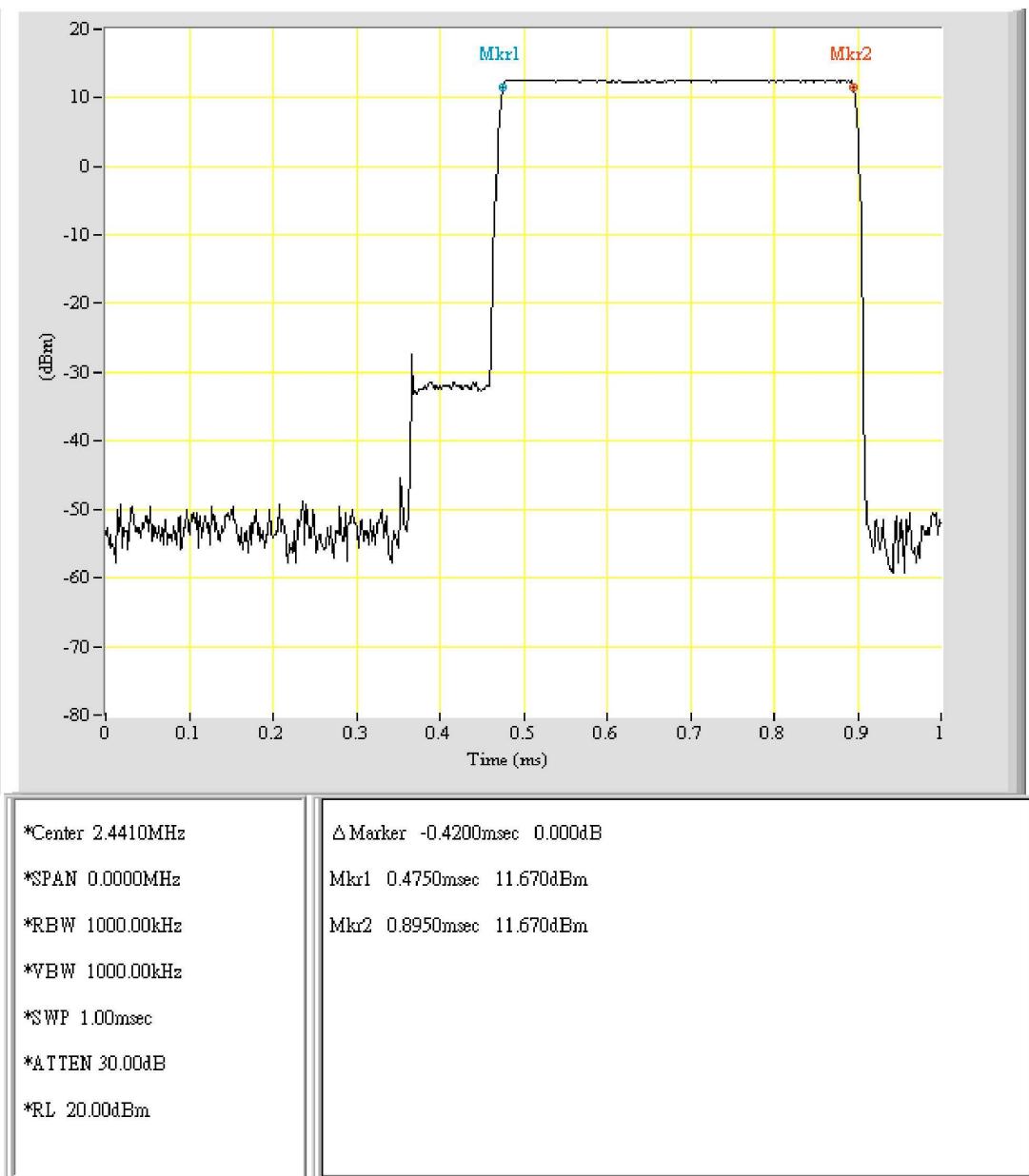


EUT:

Purpose: Dwell\_Time\_Peroid

Condition: DH1\_CH0

Note:

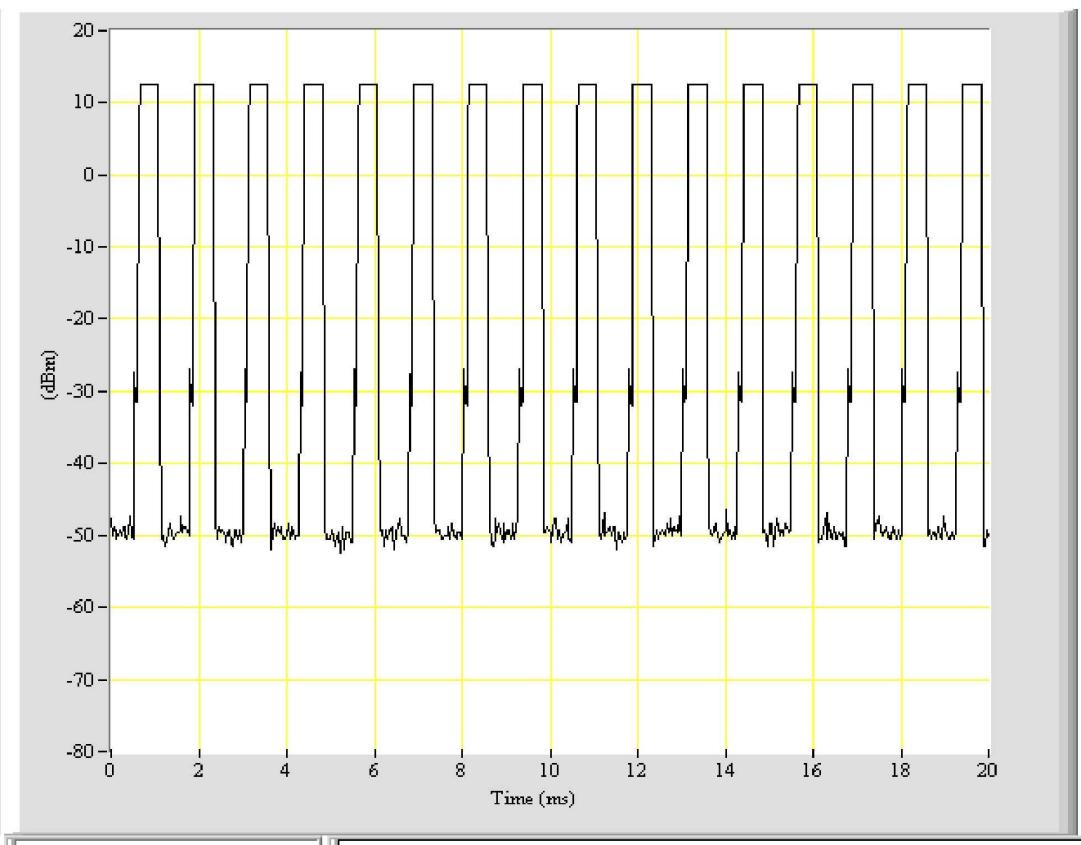


EUT:

Purpose: Dwell\_Time

Condition: DH1\_CH39

Note:



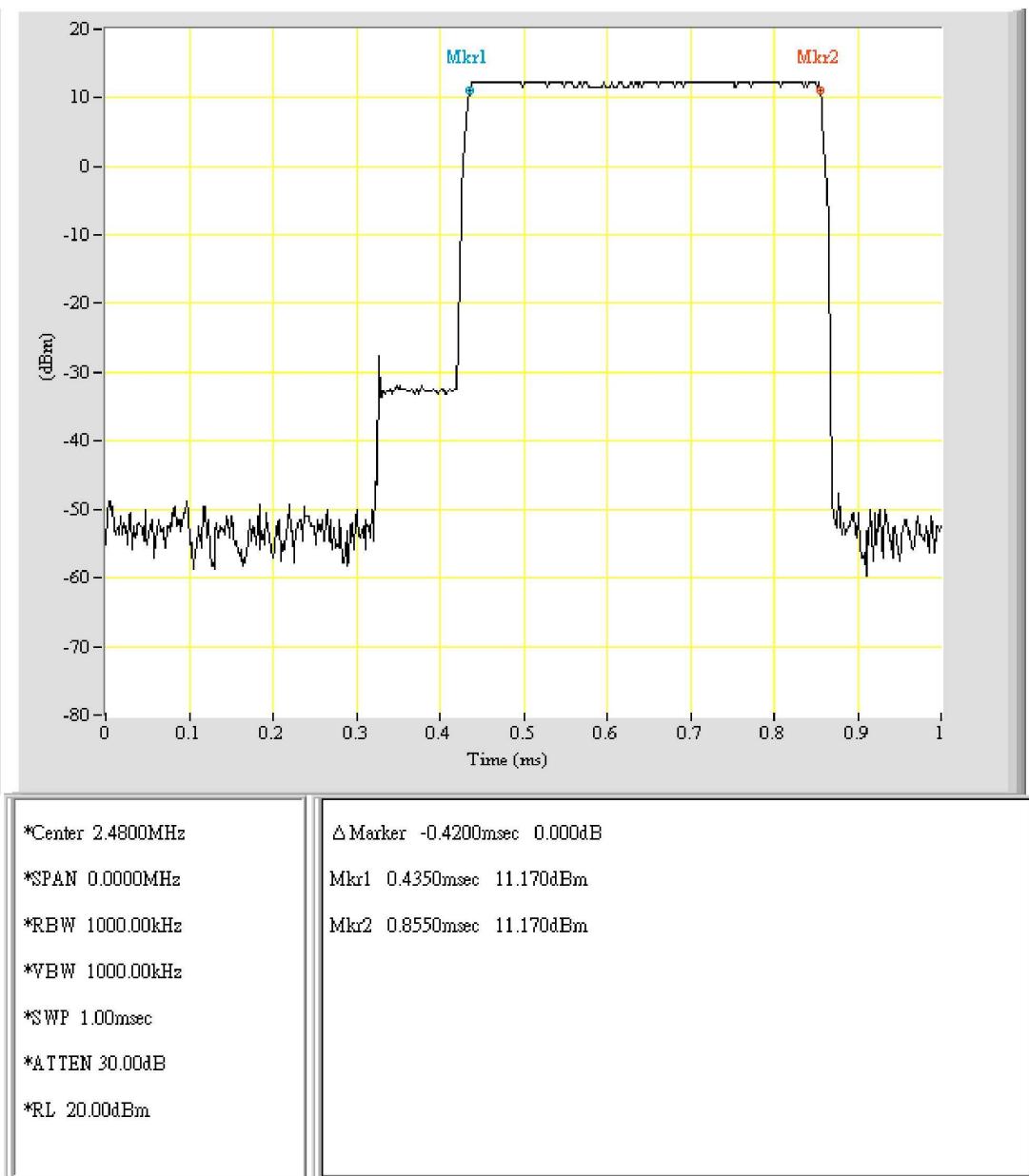
\*Center 2.4410MHz  
\*SPAN 0.0000MHz  
\*RBW 1000.00kHz  
\*VBW 1000.00kHz  
\*SWP 20.00msec  
\*ATTEN 30.00dB  
\*RL 20.00dBm

EUT:

Purpose: Dwell\_Time\_Period

Condition: DH1\_CH39

Note:

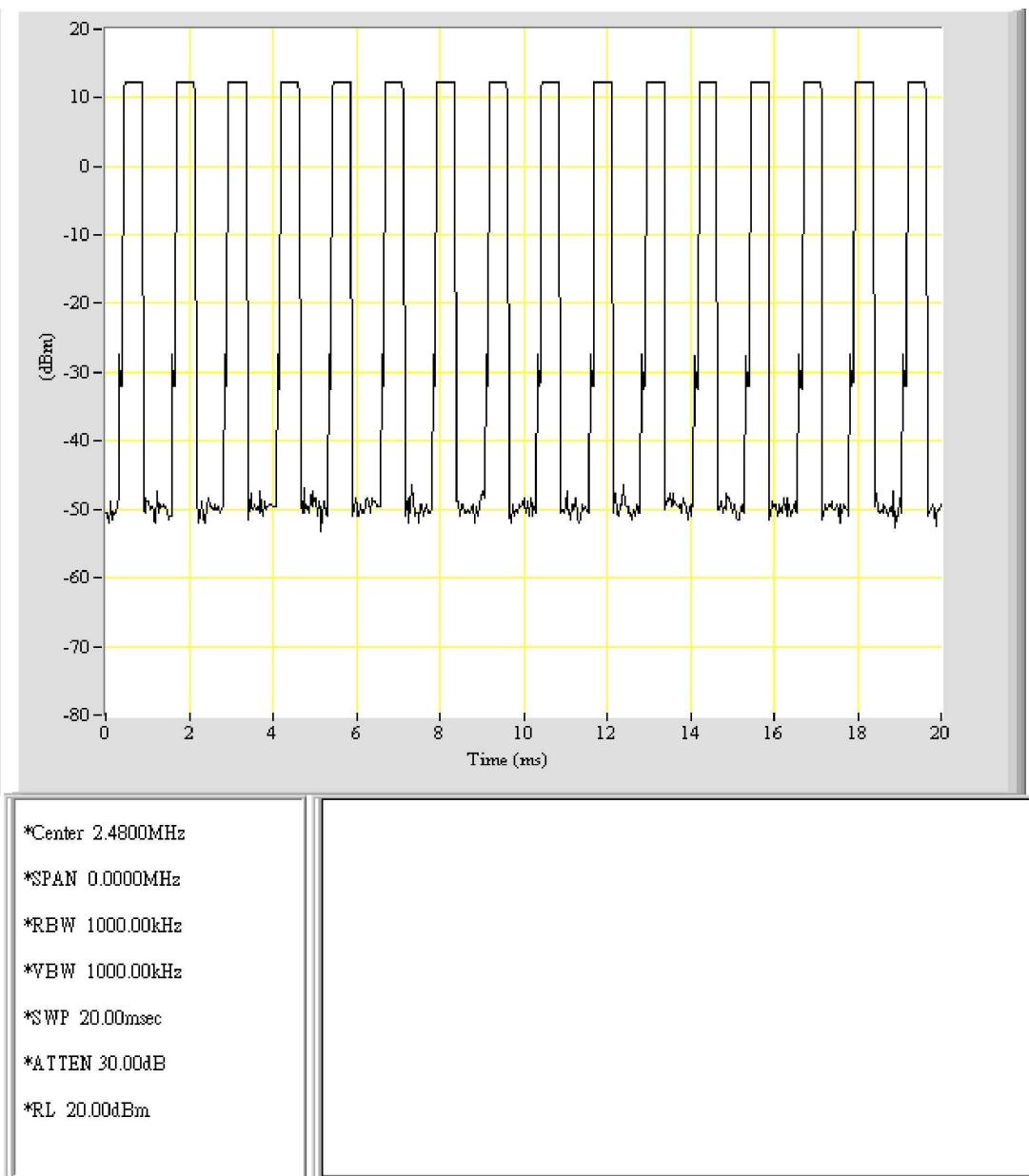


EUT:

Purpose: Dwell\_Time

Condition: DH1\_CH78

Note:



EUT:

Purpose: Dwell\_Time\_Peroid

Condition: DH1\_CH78

Note: