

REDS2
Design Proving Test Record

DAS548604AM

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Test No.	Title	
	<i>Base Unit Transmit Duty Cycle</i>	
Associated Specification	Paragraph	Issue No.
<i>FCC</i>		
Tested By	Date	Results checked by
<i>Paul Newby</i>	<i>27th Feb 2003</i>	<i>Neil Barker</i>
Unit(s) Under Test	Serial Number	Software Issue
<i>Base Unit</i>	<i>B2</i>	<i>2A5B</i>
Test Equip. Type/Serial No.	Calibration No.	Calibration Expiry Date
<i>Agilent 8564EC</i> <i>Spectrum Analyser</i>	<i>04720116</i>	<i>14/2/04</i>

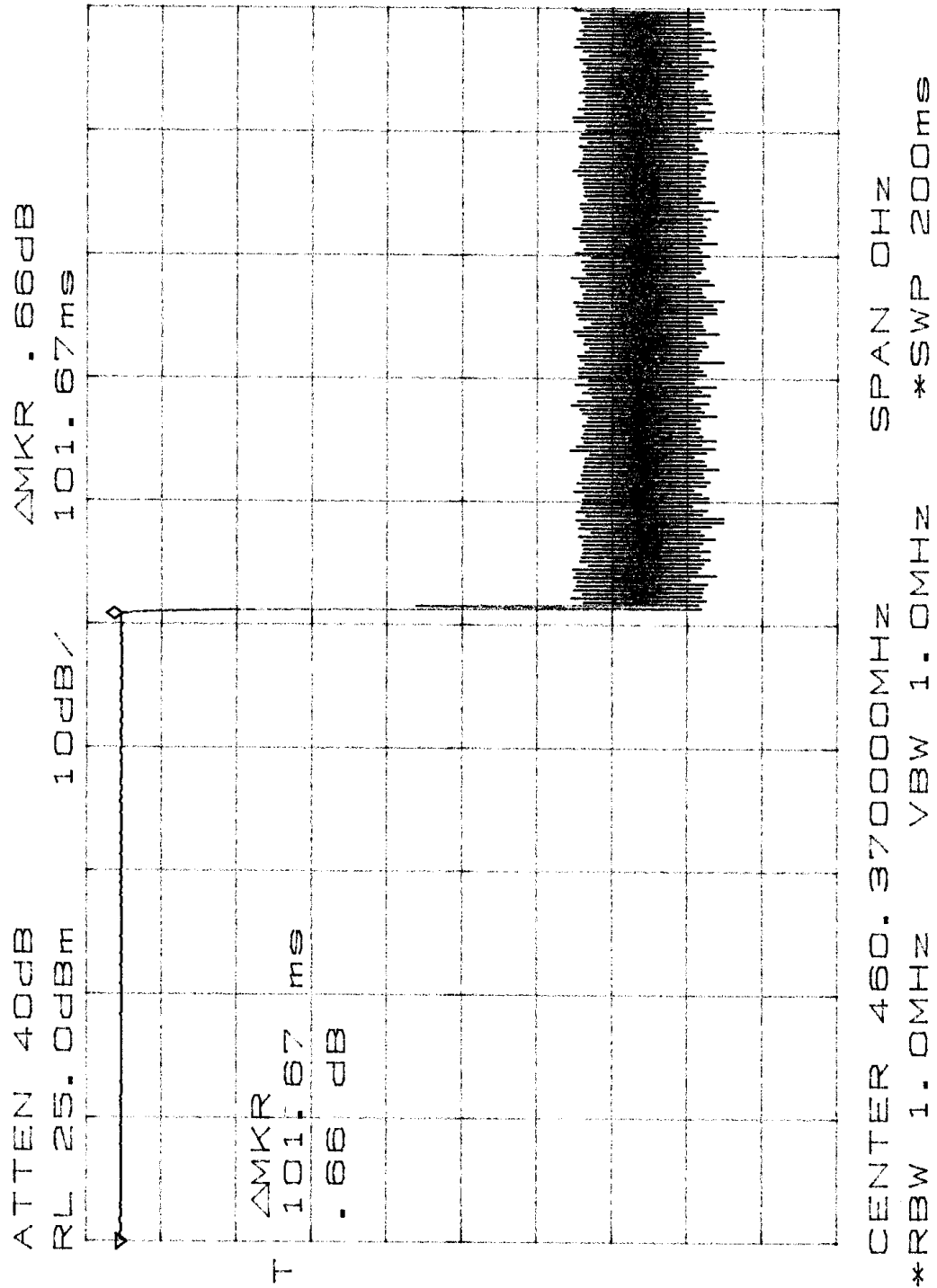
Test Method

1. Connect the RFoutput of the Base Unit to the spectrum analyser.
 - Set the spectrum analyser as follows:
 - RF Frequency 460.6375 MHz
 - Amplitude +25 dBm
 - Span 0 Hz
 - Bandwidth 1 MHz
 - Sweep Plot 1:200mS, Plot 2 :10 seconds
 - Trigger Video
 - Single sweep
2. Switch on the Base Unit in normal mode

Results/Observations

The plots below show Base Unit B2, which was submitted for Radio Type Approval operating at 460.6375 MHz. The Base Unit is send out a Contact Request, in between Base Unit transmissions, up to ten Portable Units would in turn respond in a pre-determined manner.

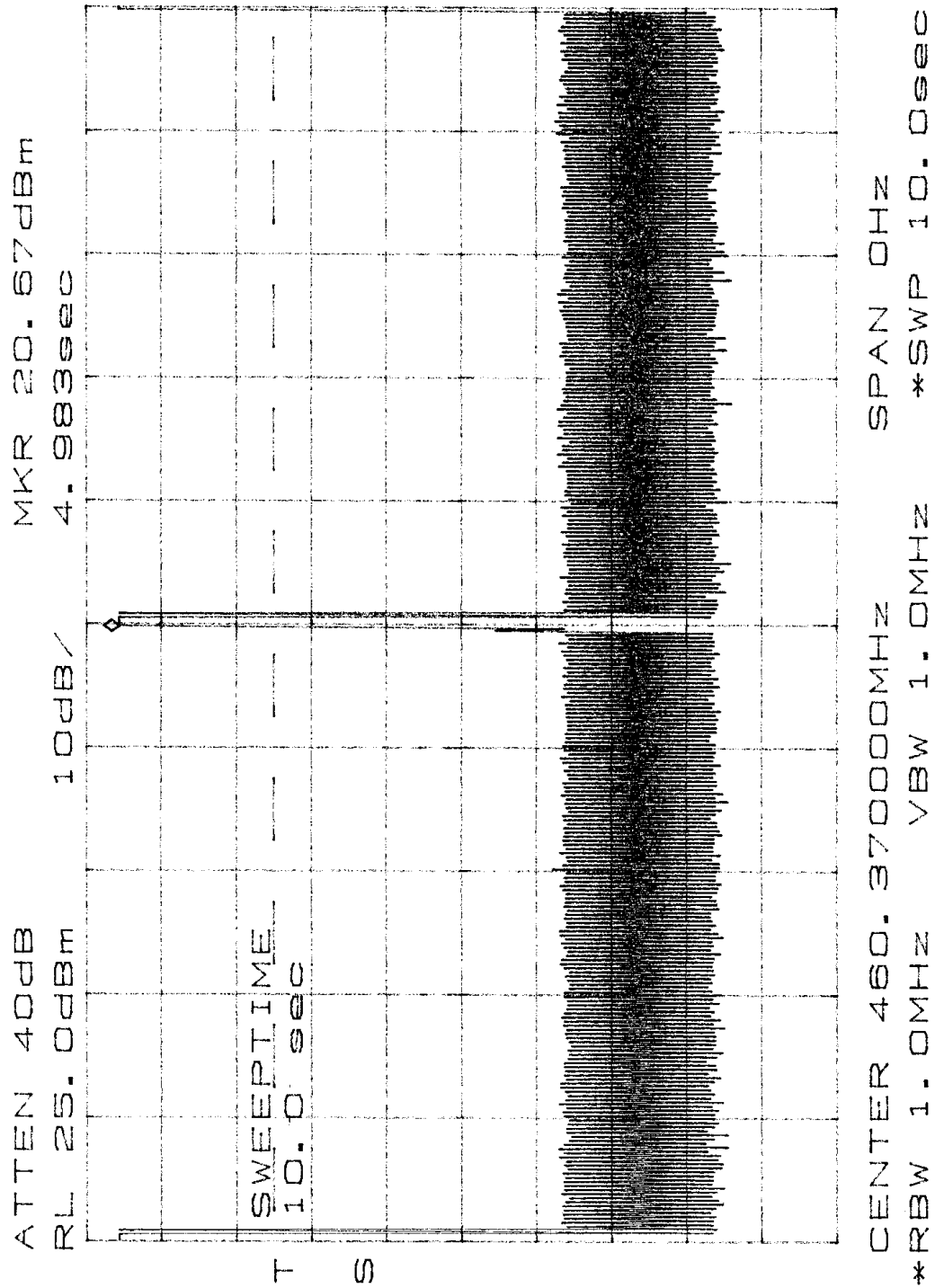
The first plot shows the length of each transmission, the second plot shows the repetition rate of the Base Unit transmissions. The presence of other Base Units in radio range would cause Base Units to share out the time slots.



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