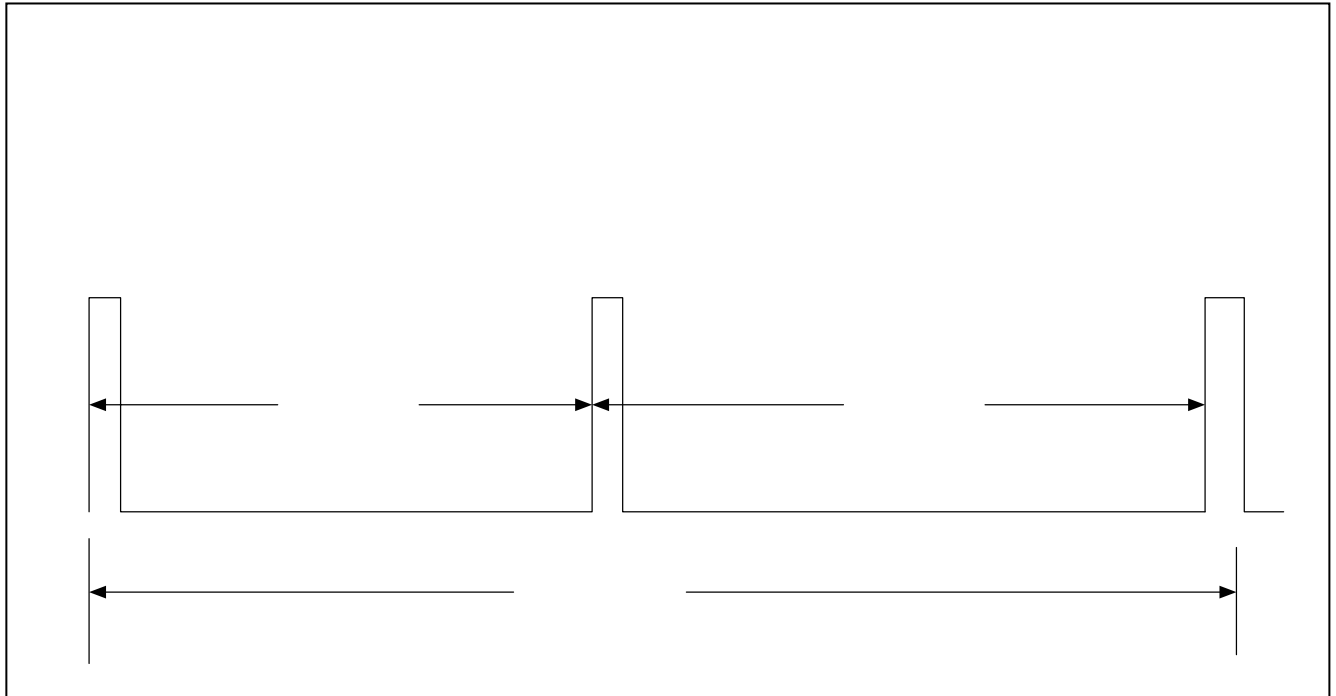


**6.5.3 Channel Dwell Time**

**Result:** For average measurements, the measured level was reduced by a factor 27dB to account for the duty cycle of the EUT. The EUT transmits three 625uS every 100mS. The period of a single burst is 46.9mS. Therefore the duty cycle is calculated by  $(3 \times 625\text{ms}) / 46.9\text{ms} = 3.99\%$ . The duty cycle correction factor is determined using the formula:  $20 \cdot \log(.0399) = -27\text{dB}$ . See figure 6.5.3-1 and appendix I for further details.



**Figure 6.5.3-1: Channel Dwell Time**

**6.5.4 20dB Bandwidth**

**Result:** The 20dB bandwidth was found to be less than 1 MHz across all channels as required. Results are shown below in Table 6.5.4-1 and a plot of the channel with the greatest bandwidth is shown in Figure 6.5.4-1.

**Table 6.5.4-1: 20dB Bandwidth**

Channel	Frequency (MHz)	20dB Bandwidth (kHz)
Low	2402	187.50
Center	2441	192.36
High	2480	188.19

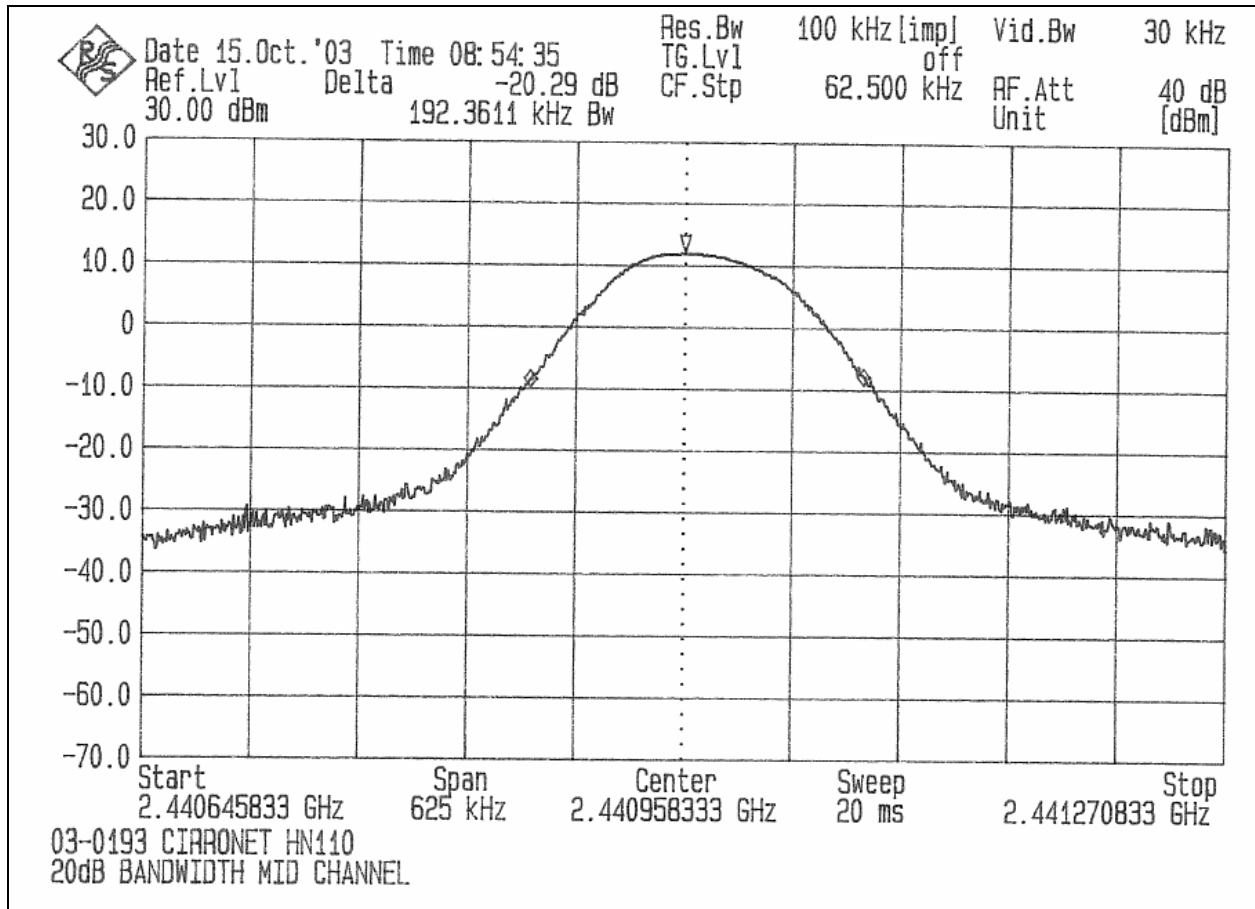


Figure 6.5.4-1: 20dB Bandwidth