

Appendix F

Modulation Characteristics



TCAS Mode C Interrogations

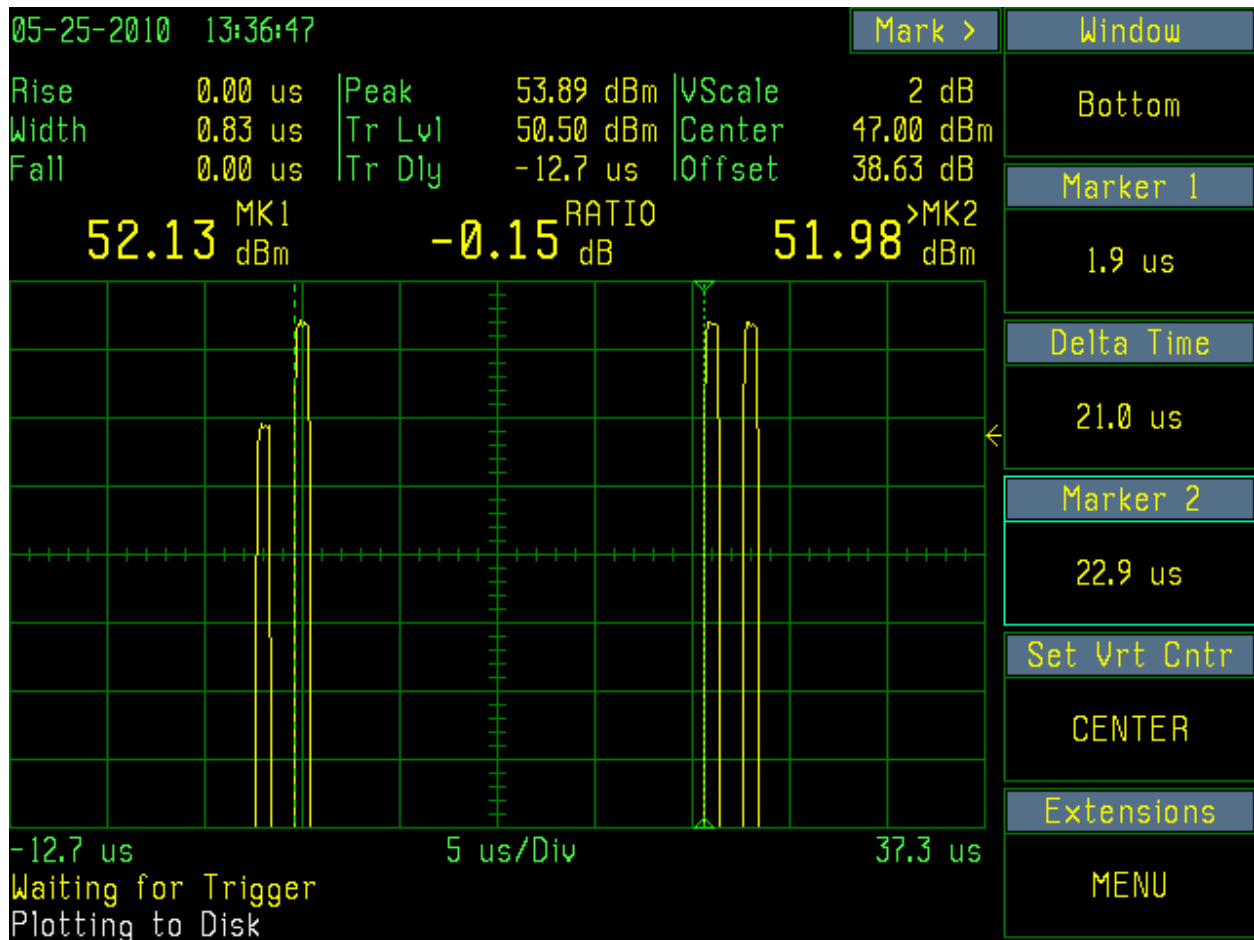


Figure 1: Typical Mode C Interrogation and P1 to P3 Spacing

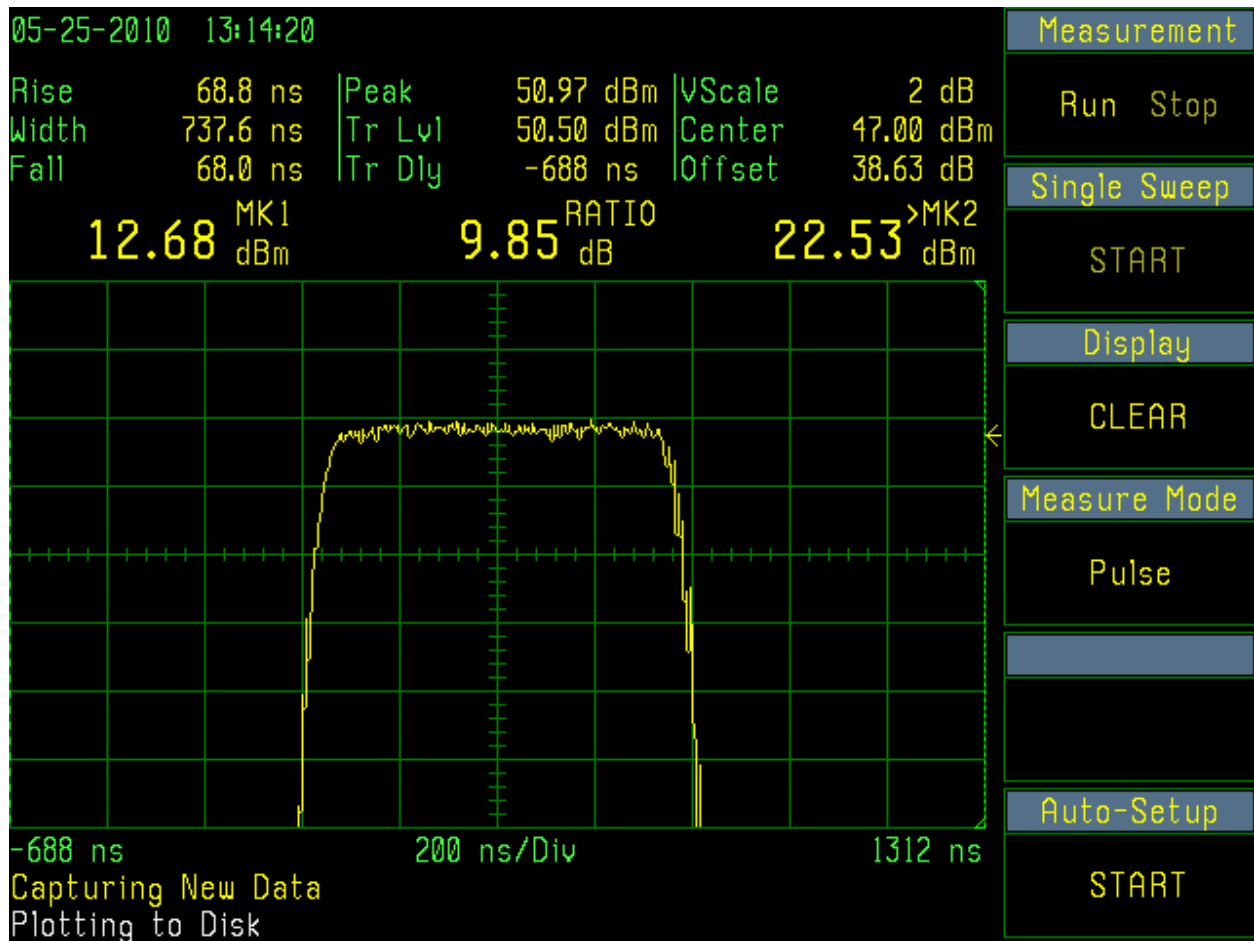


Figure 2: Typical Mode C Interrogation, S1 Pulse

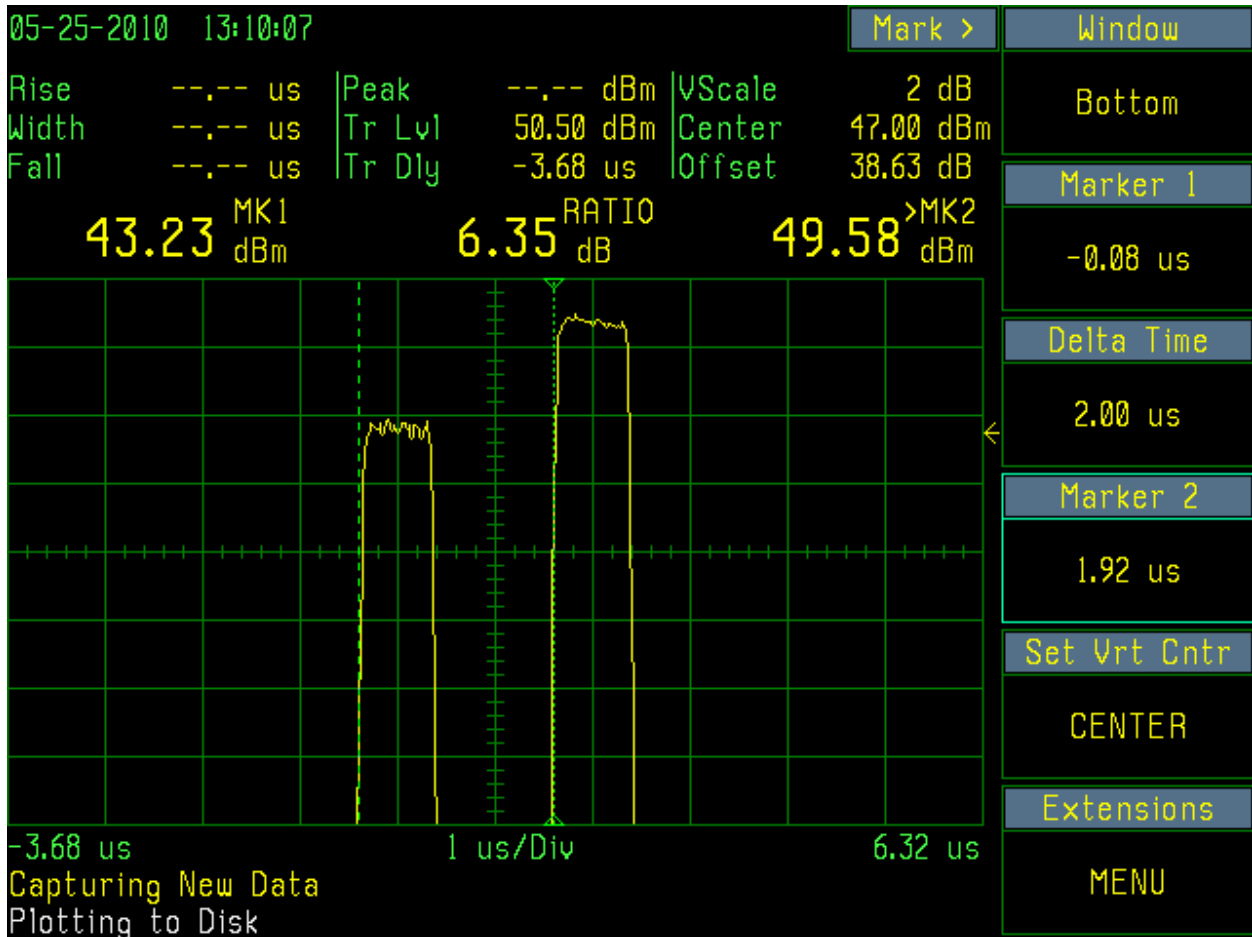


Figure 3: Typical Mode C Interrogation, S1 to P1 Spacing

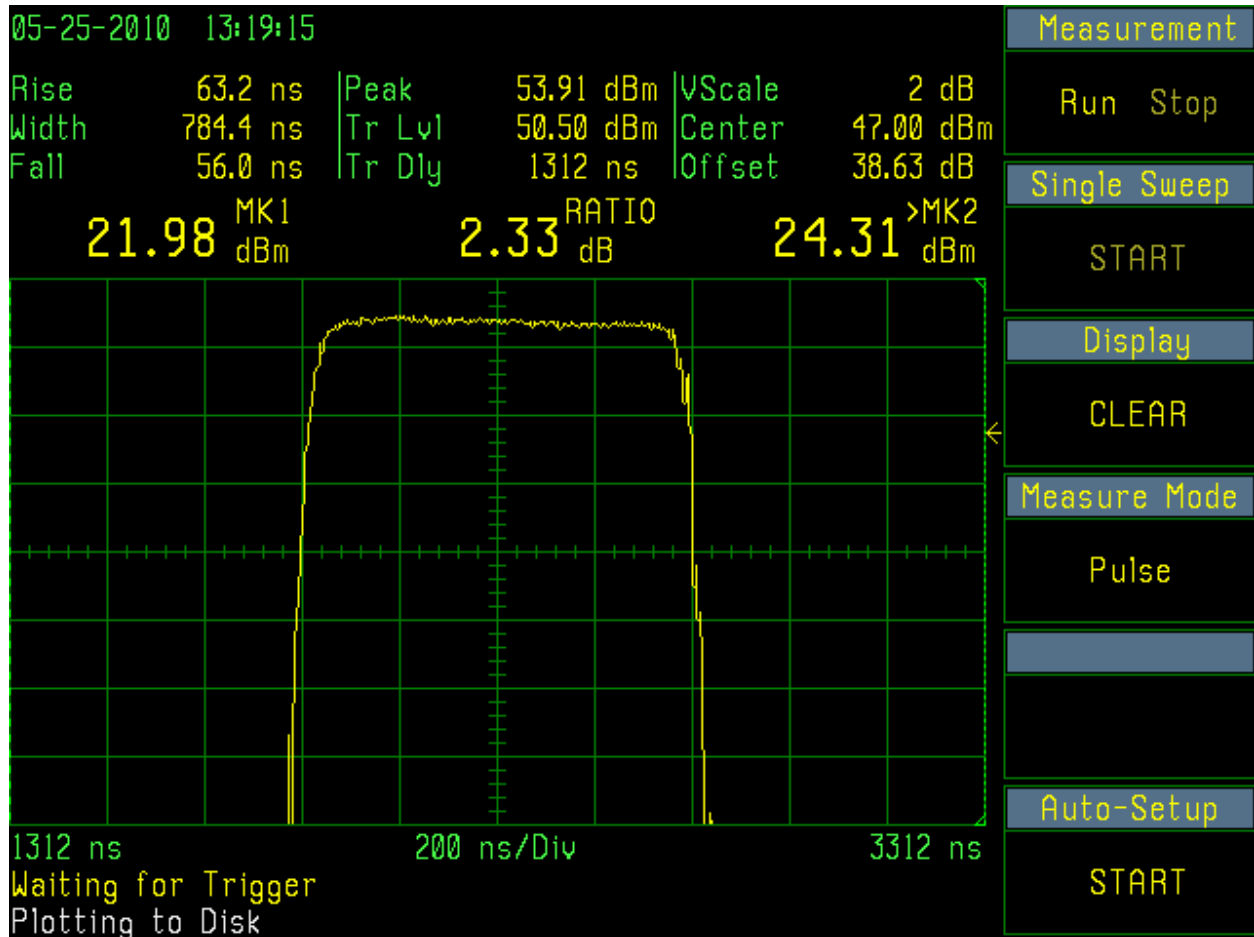


Figure 4: Typical Mode C Interrogation, P1 Pulse

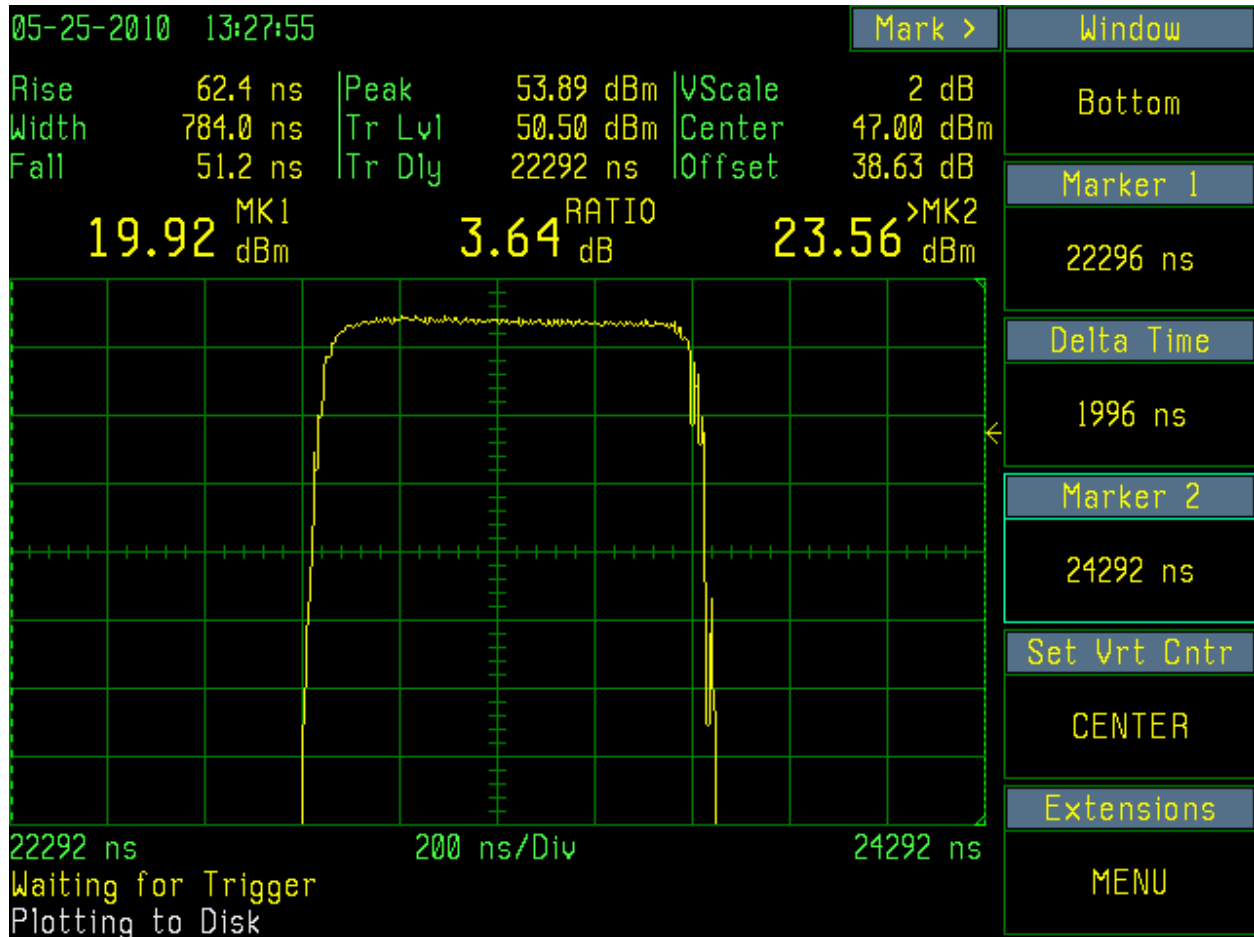


Figure 5: Typical Mode C Interrogation, P3 Pulse

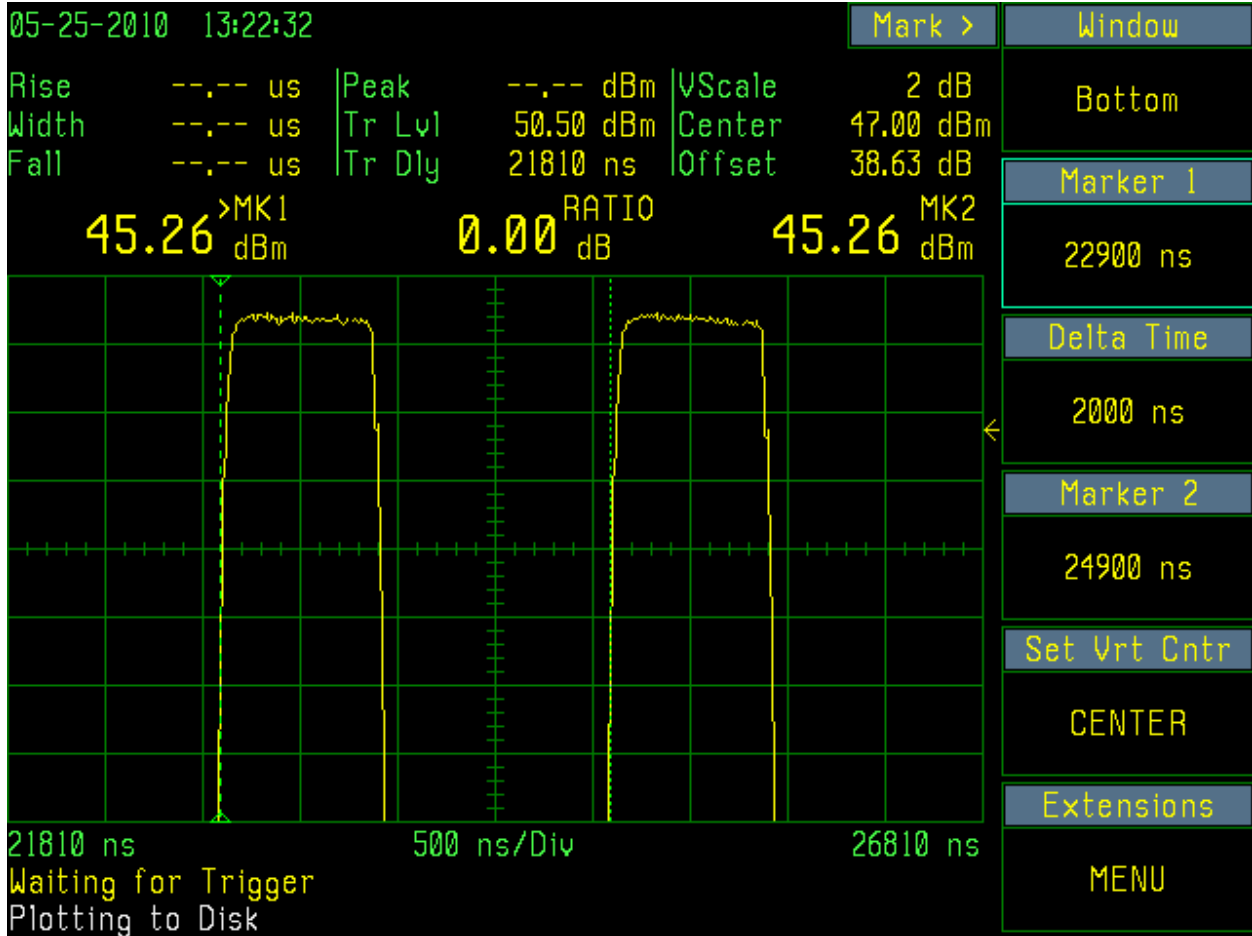


Figure 6: Typical Mode C Interrogation, P3 to P4 Spacing

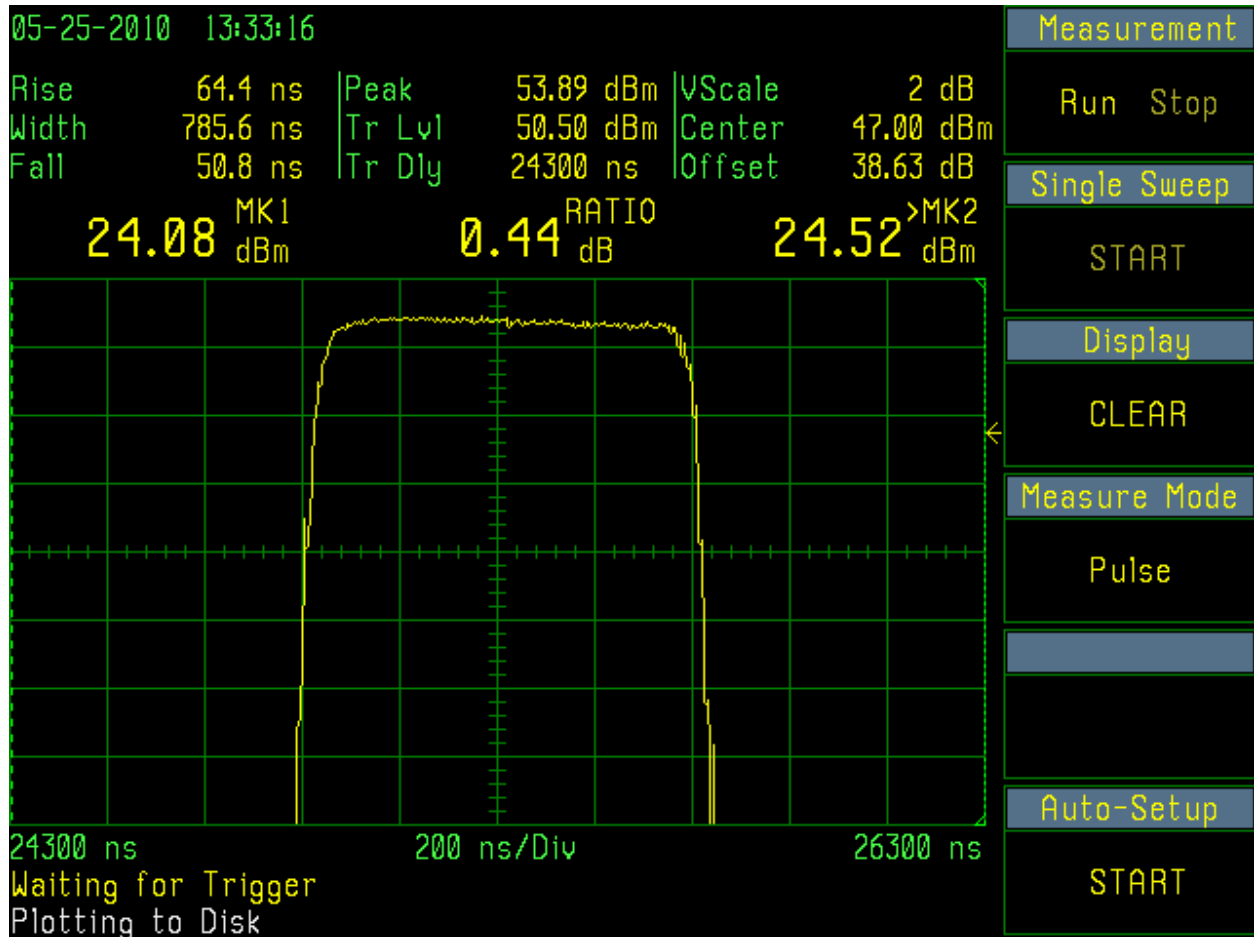


Figure 7: Typical Mode C Interrogation, P4 Pulse

TCAS Mode S Interrogations

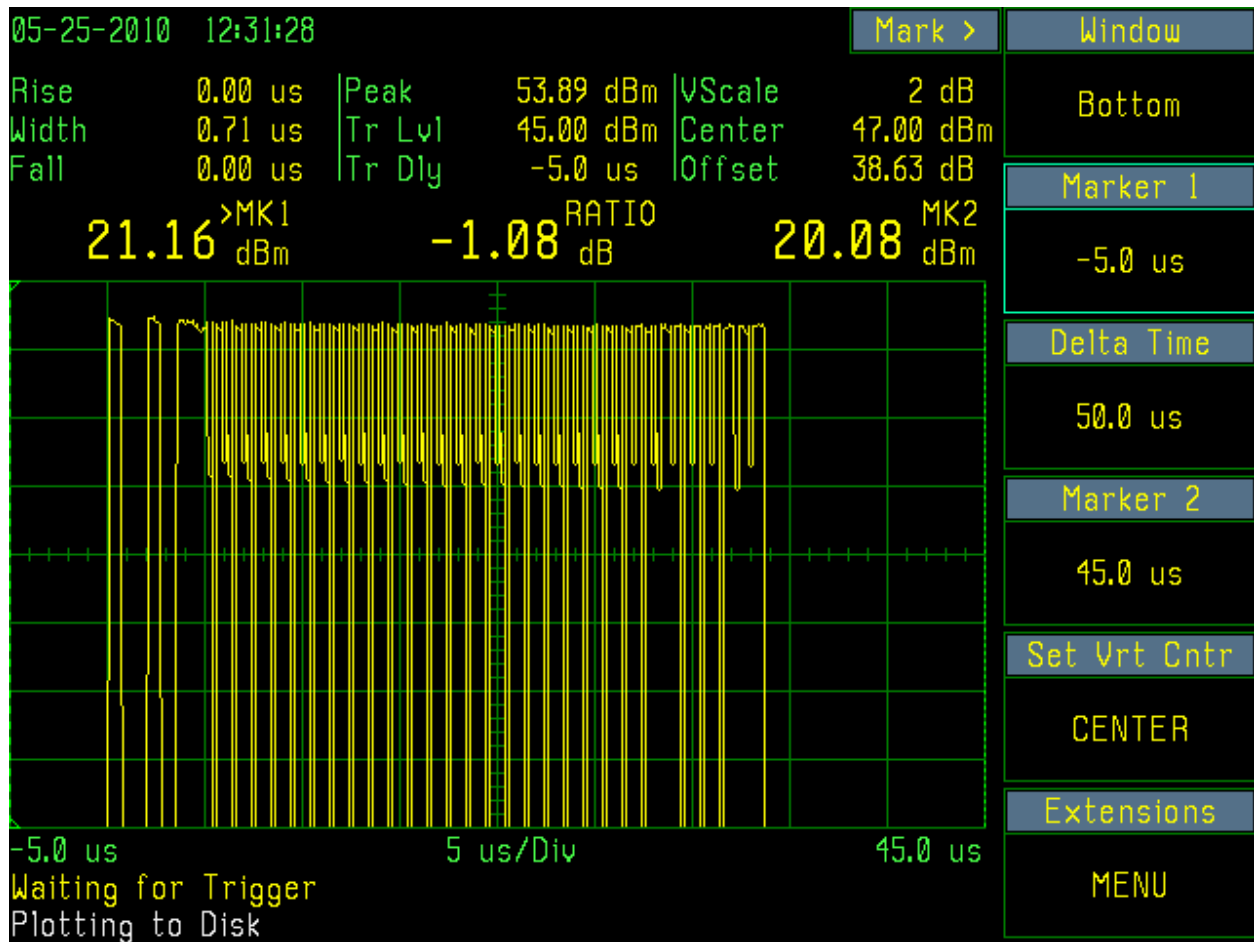


Figure 8: Typical Mode S Interrogation

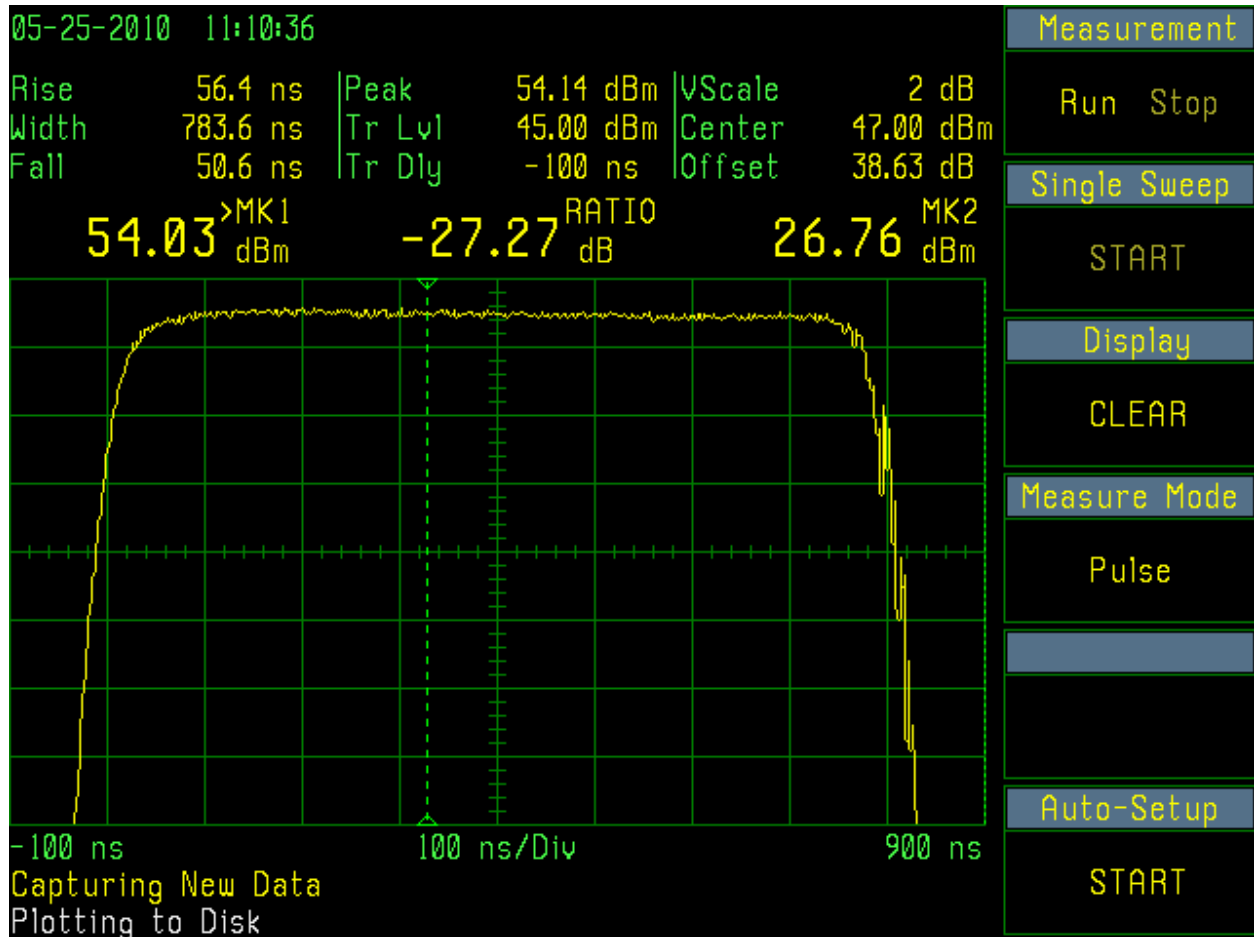


Figure 9: Typical Mode S Interrogation, P1 and P2 Pulse Shapes

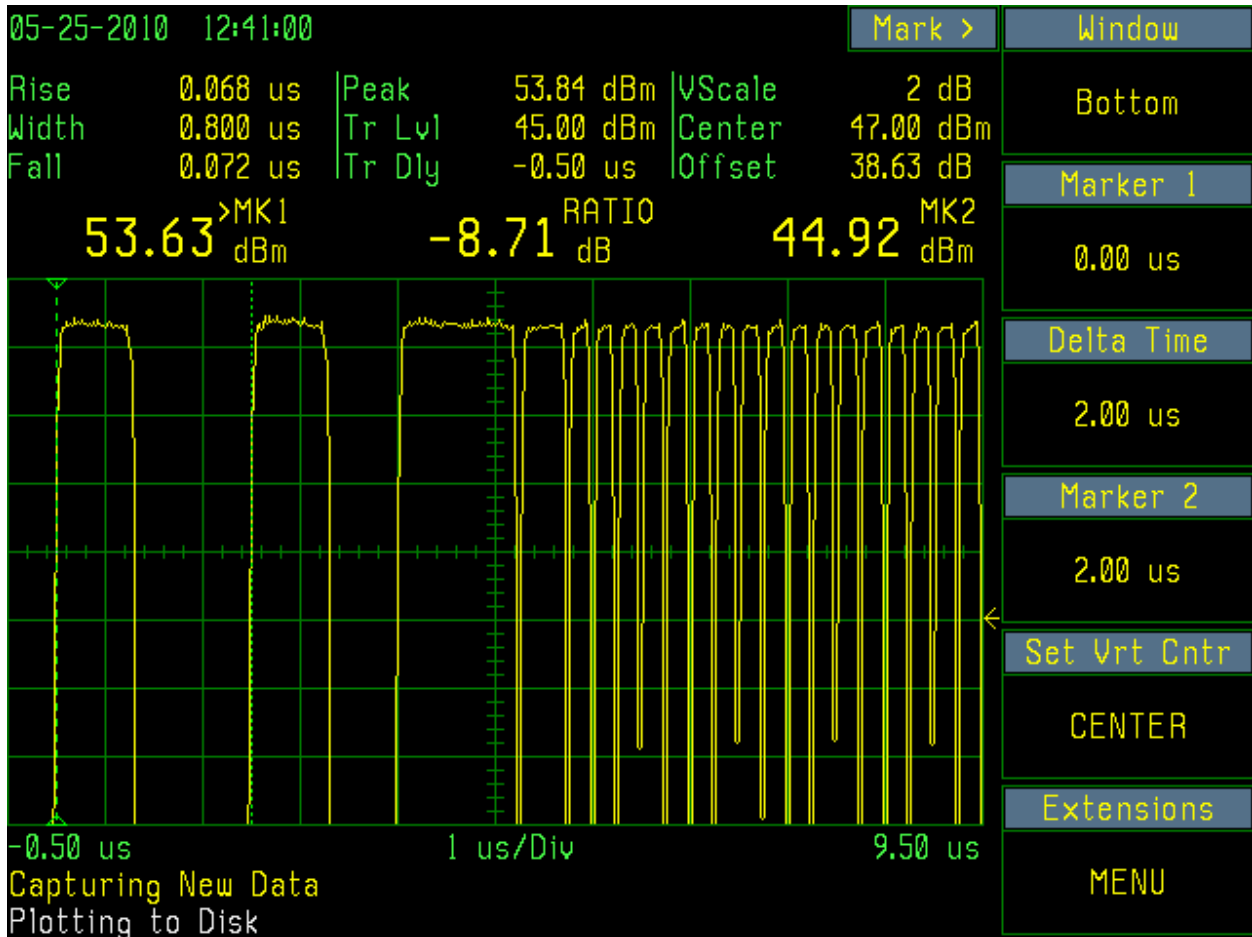


Figure 10: Typical Mode S Interrogation, P1 to P2 Spacing

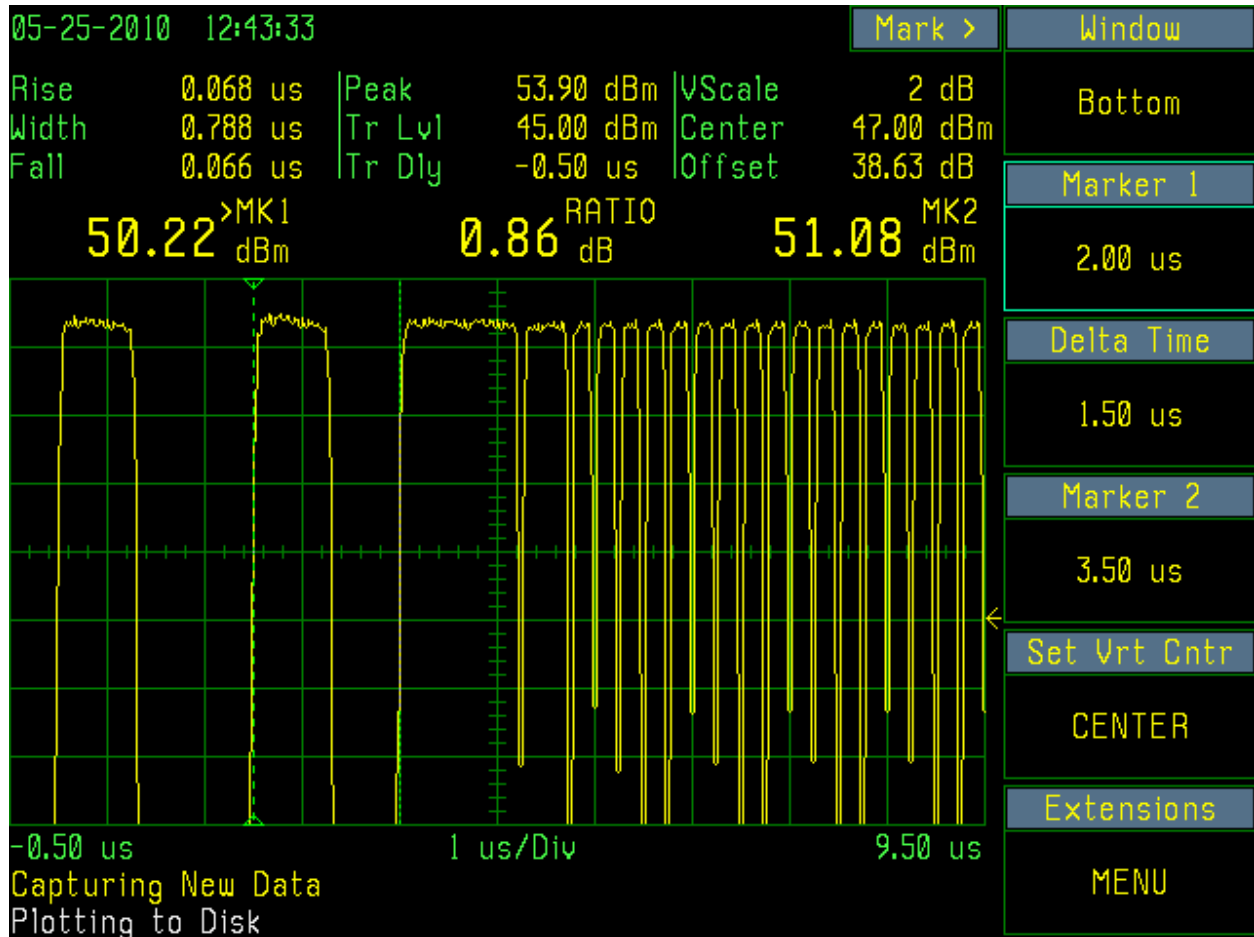


Figure 11: Typical Mode S Interrogation, P2 to P6 Spacing

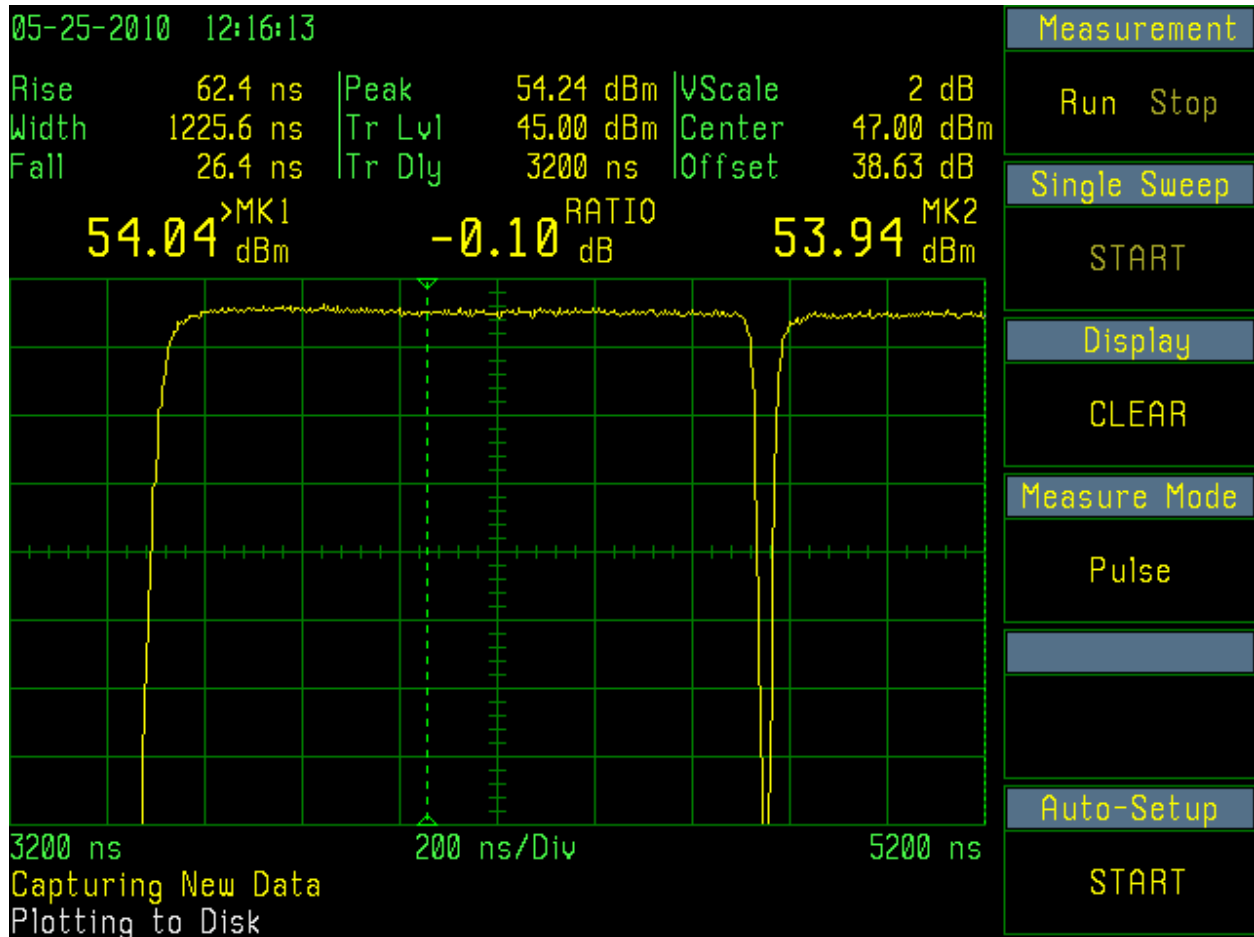


Figure 12: Typical Mode S Interrogation, P6 Preamble

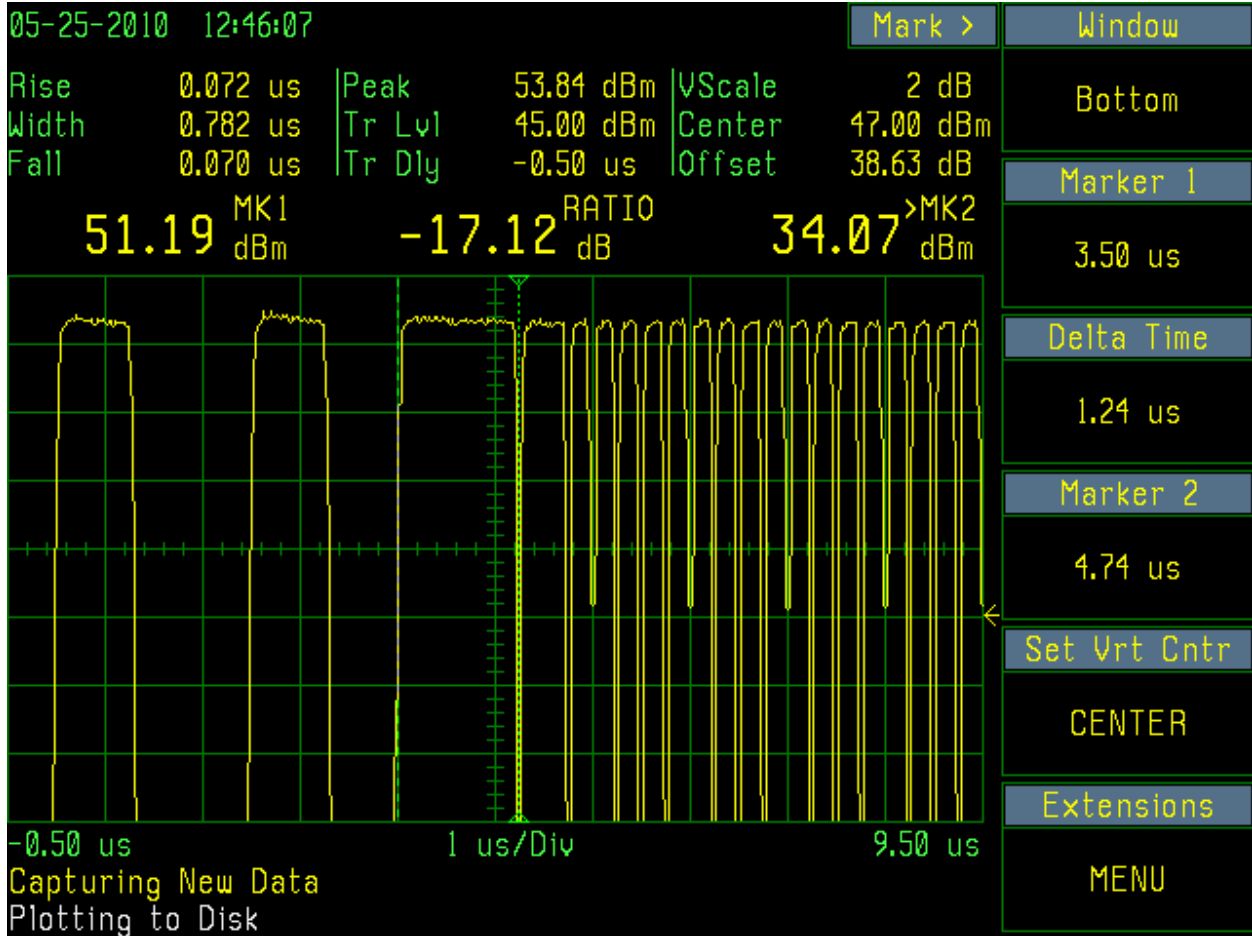


Figure 13: Typical Mode S Interrogation, P6 to Minimum of Sync Phase Reversal (SPR) Spacing

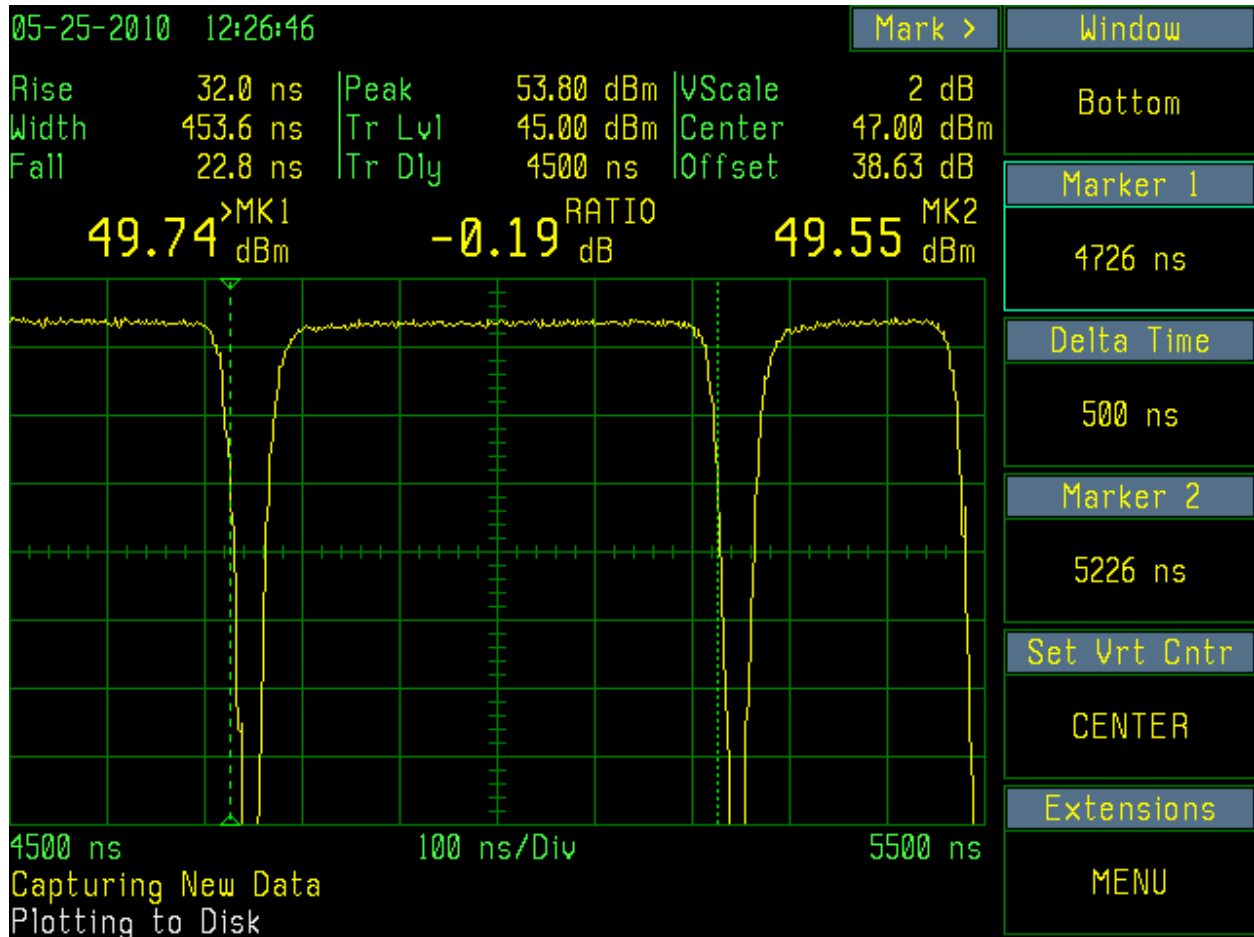


Figure 14: Typical Mode S Interrogation, Sync Phase Reversal (SPR)

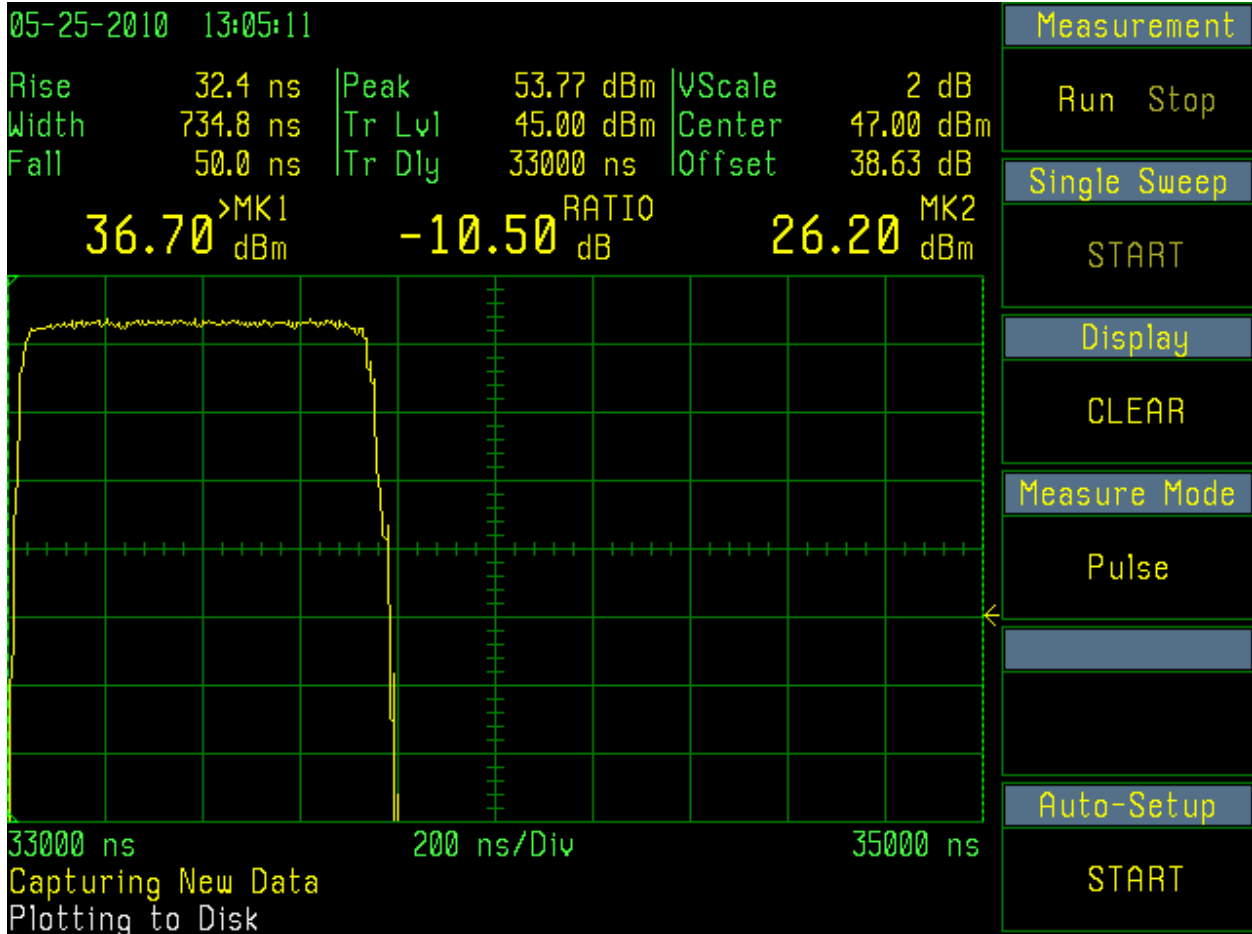


Figure 15: Typical Mode S Interrogation, P6 Decay

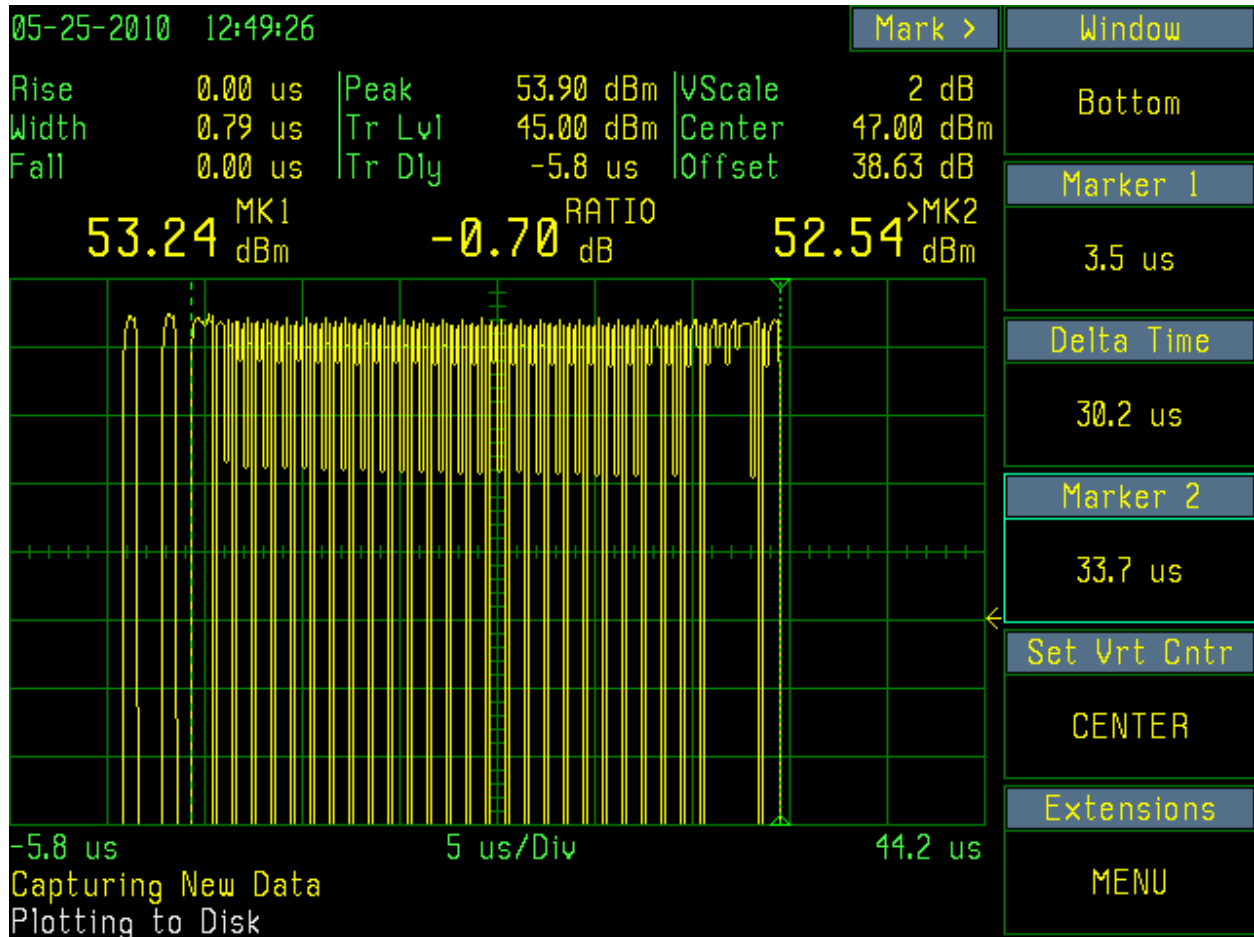


Figure 16: Typical Mode S Interrogation, P6 Pulse Width

XPDR Mode C Replies

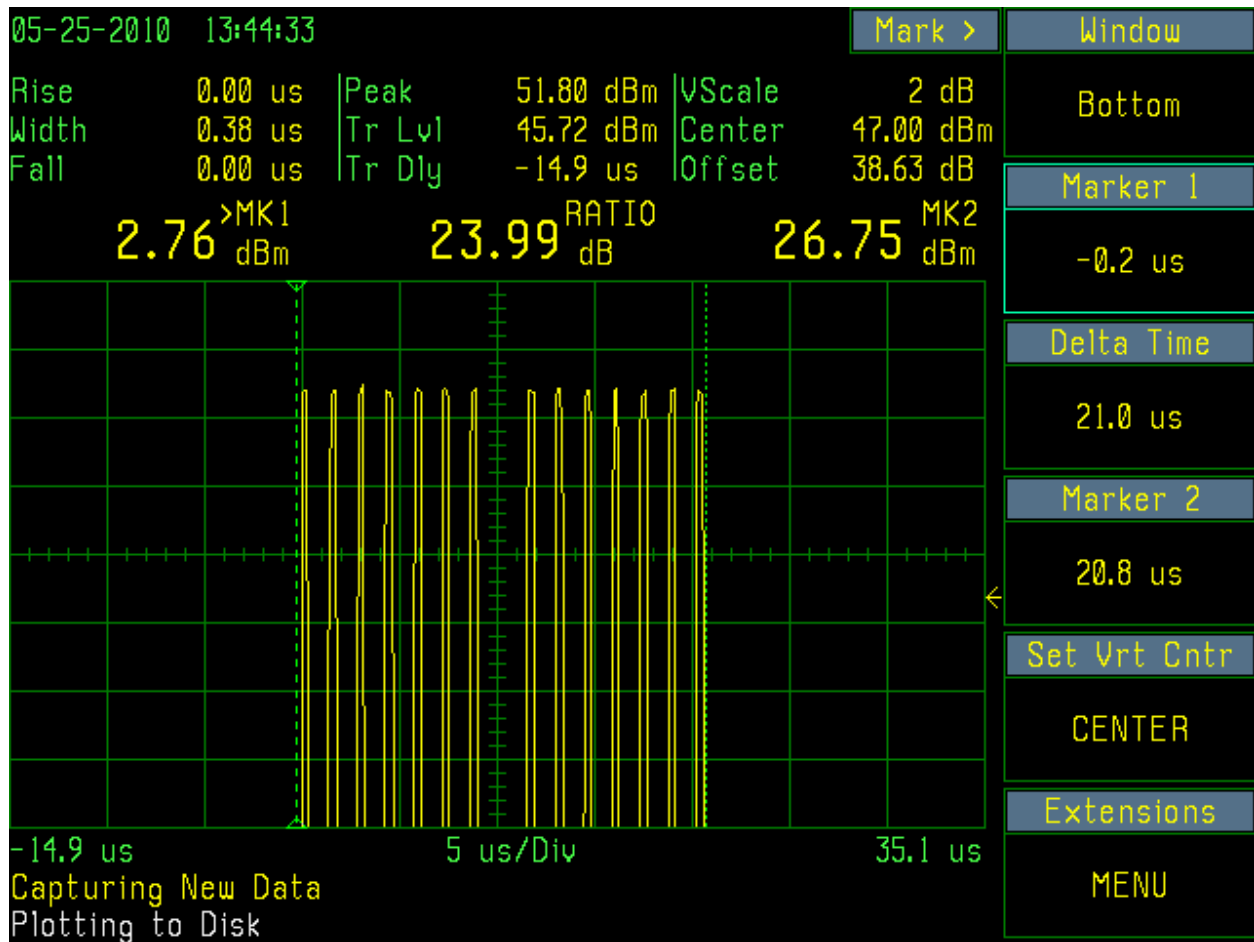


Figure 17: Typical Mode C Reply

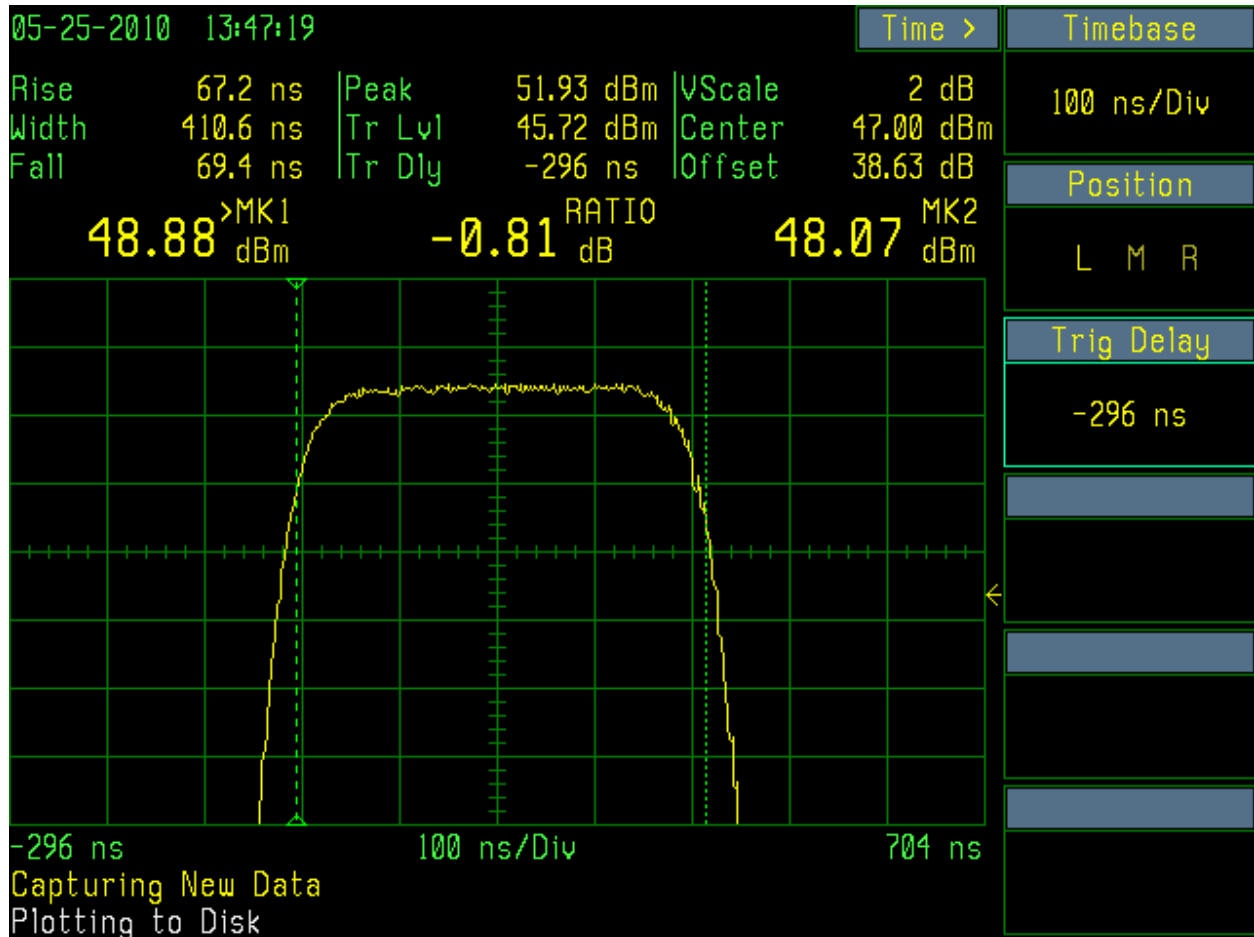


Figure 18: Typical Mode C Reply, General Pulse Shape

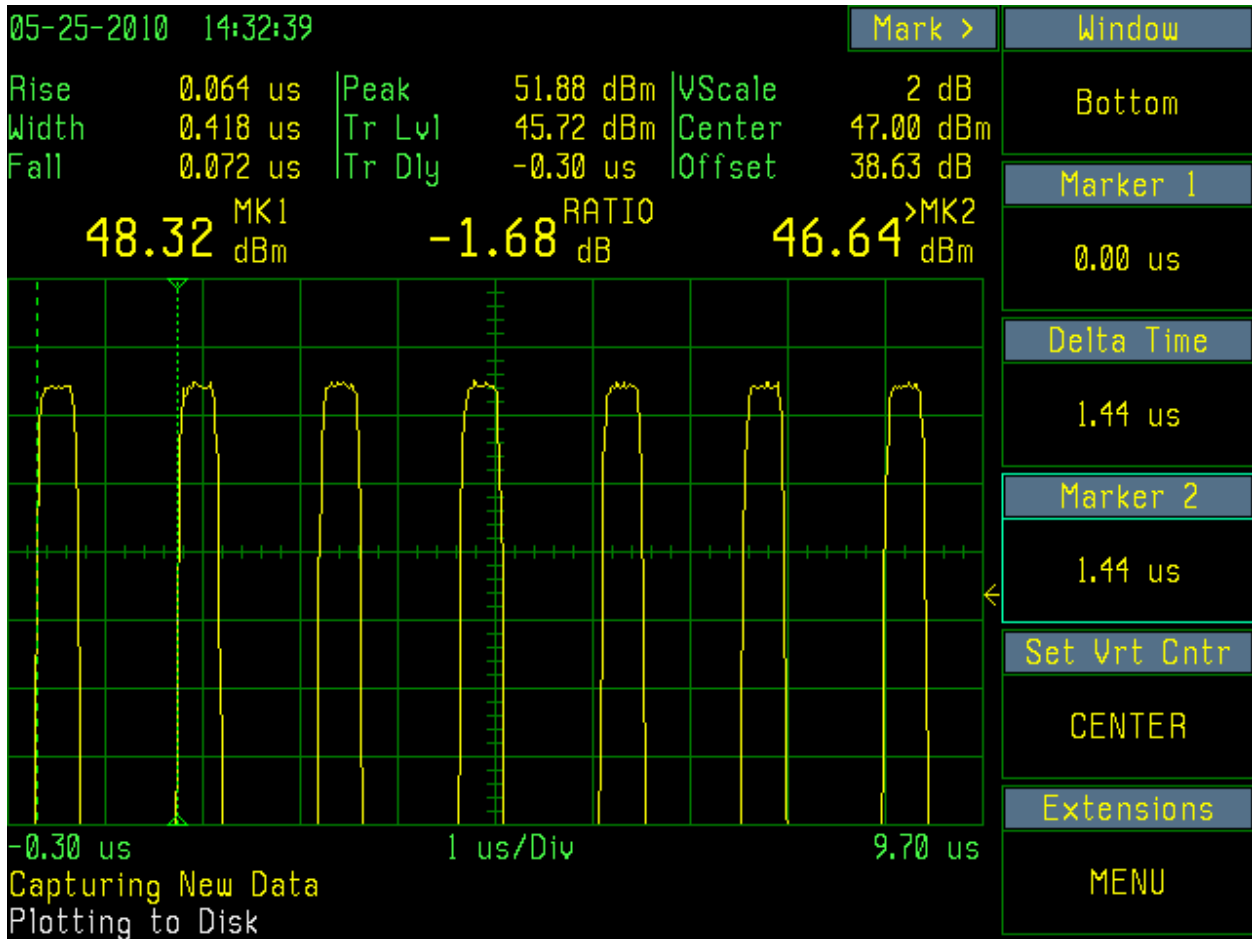


Figure 19: Typical Mode C Reply, F1 to C1 Spacing

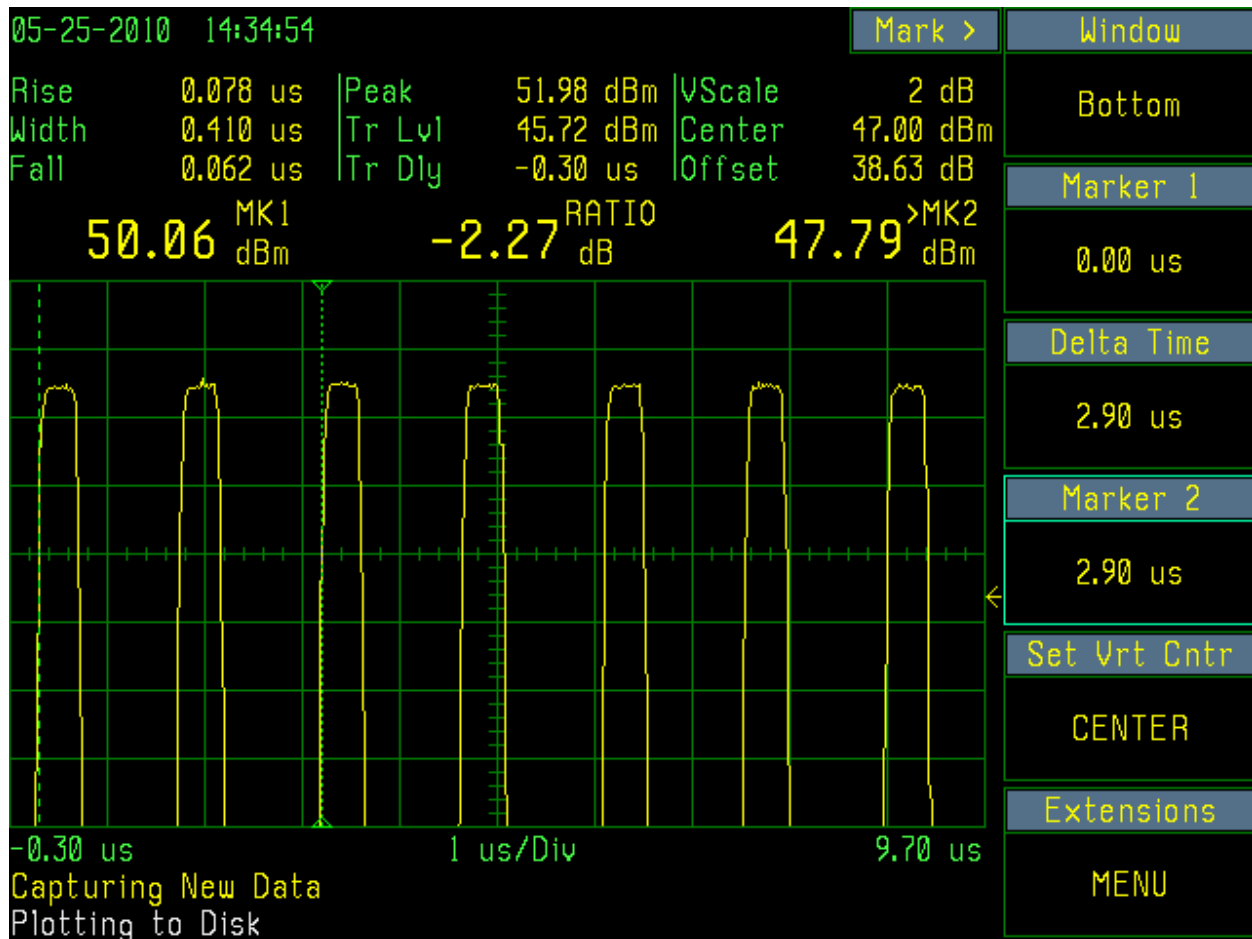


Figure 20: Typical Mode C Reply, F1 to A1 Spacing

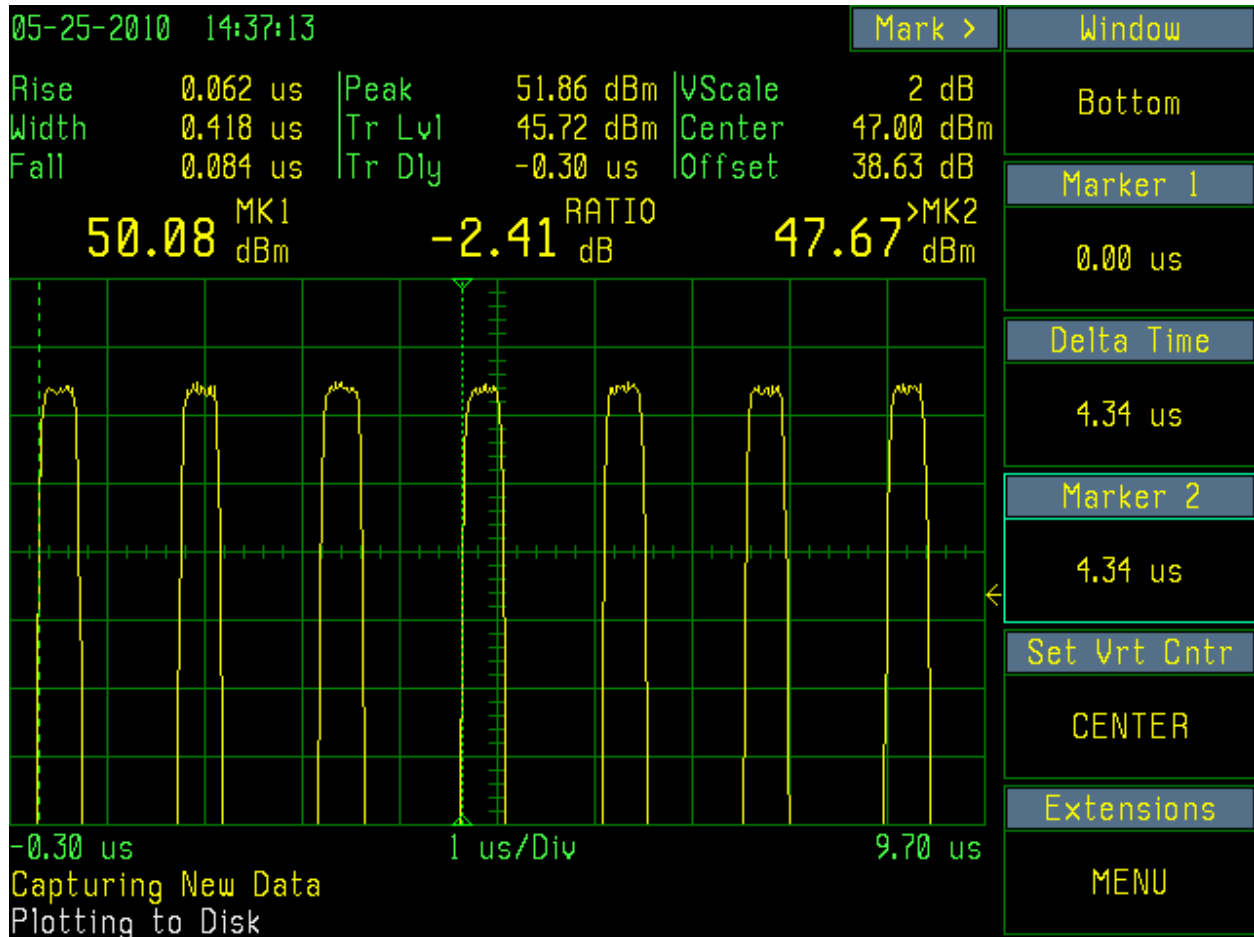


Figure 21: Typical Mode C Reply, F1 to C2 Spacing

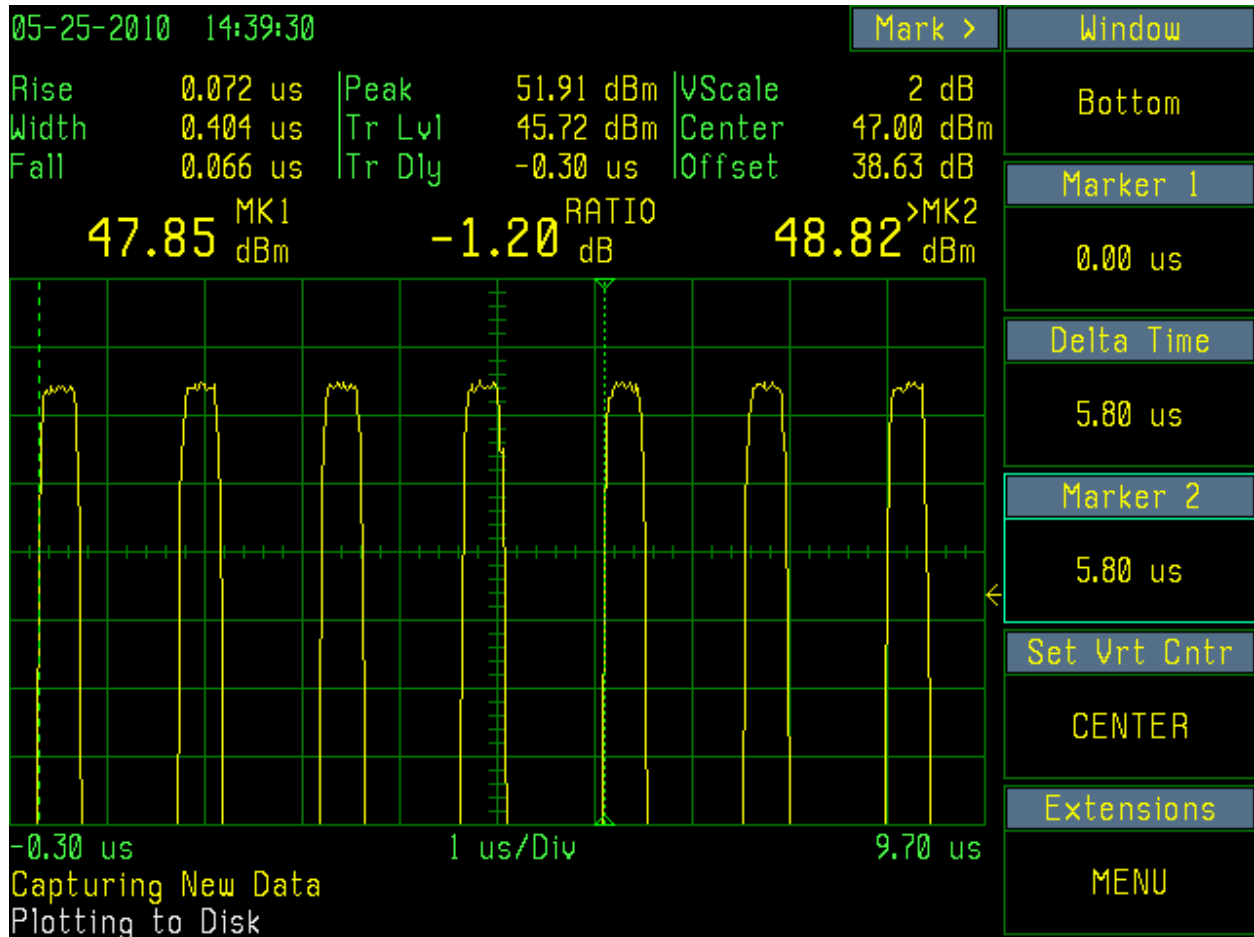


Figure 22: Typical Mode C Reply, F1 to A2 Spacing

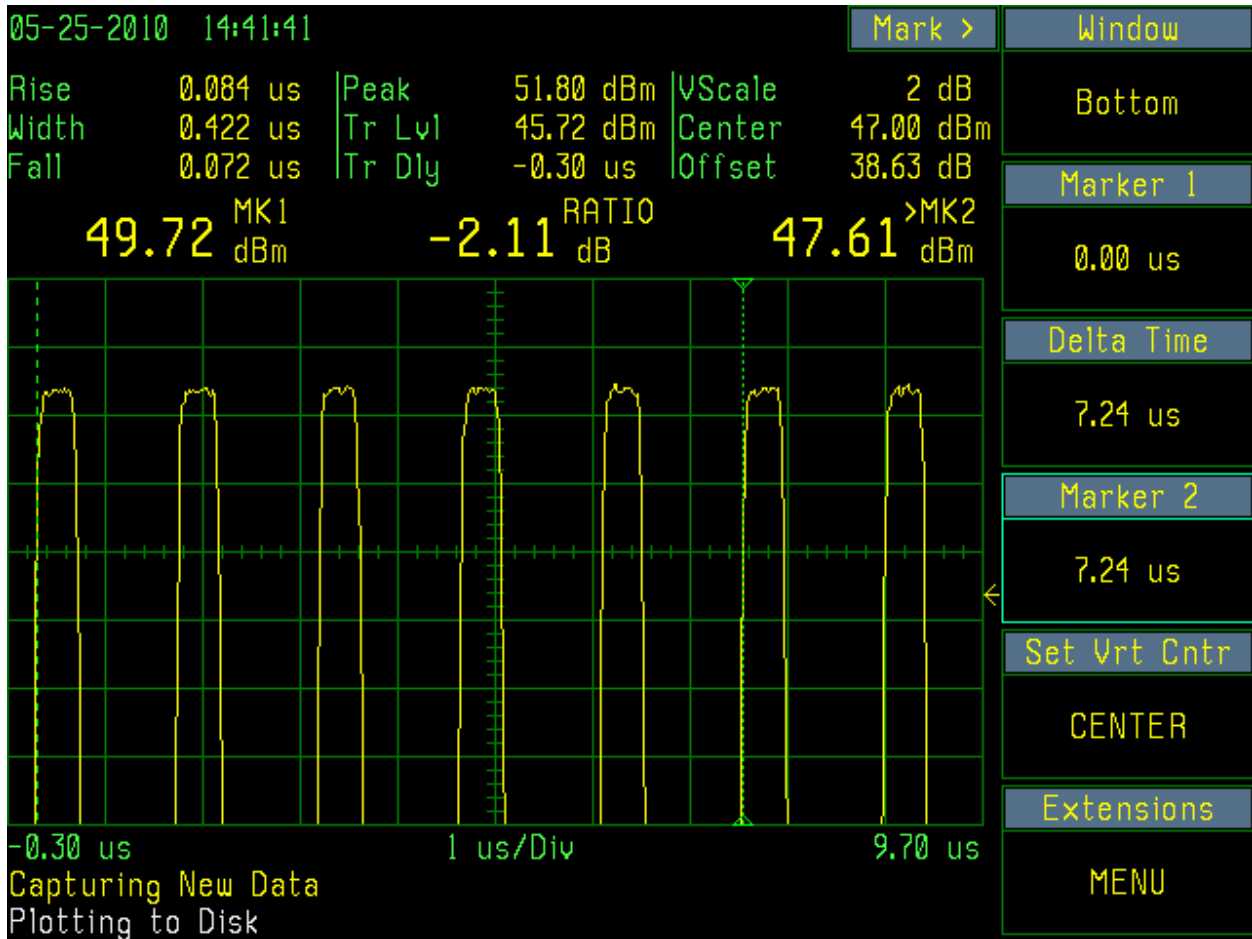


Figure 23: Typical Mode C Reply, F1 to C4 Spacing

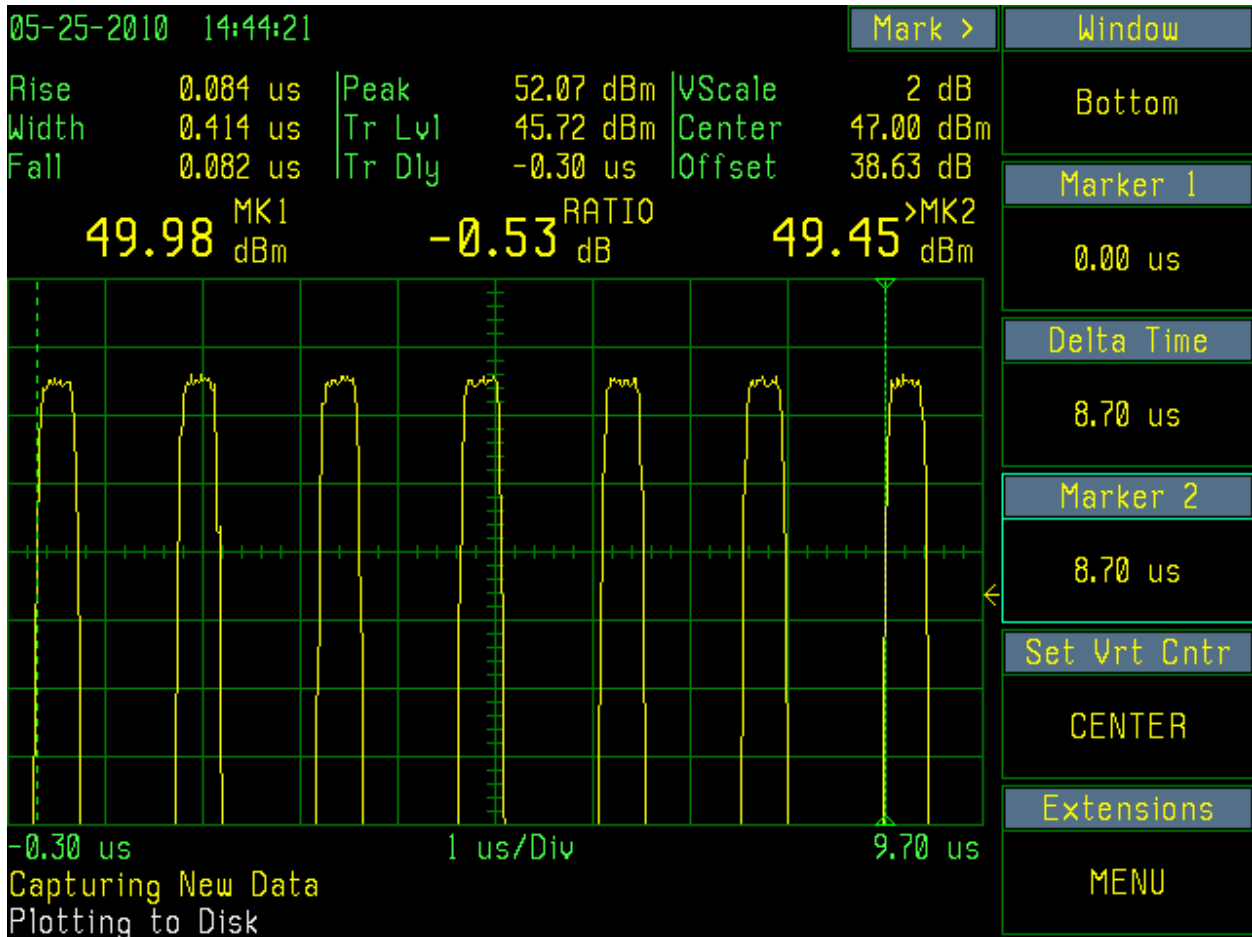


Figure 24: Typical Mode C Reply, F1 to A4 Spacing

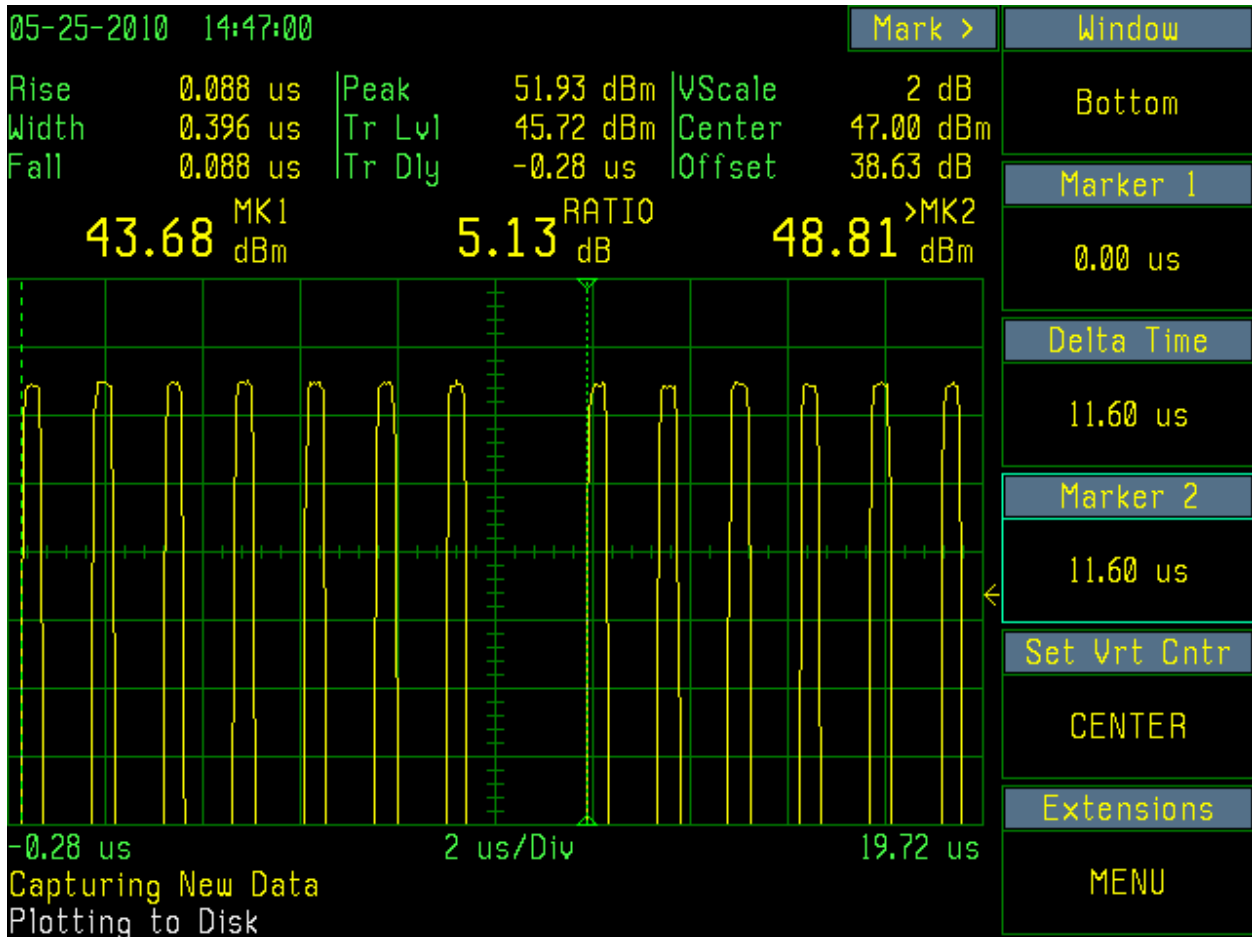


Figure 25: Typical Mode C Reply, F1 to B1 Spacing

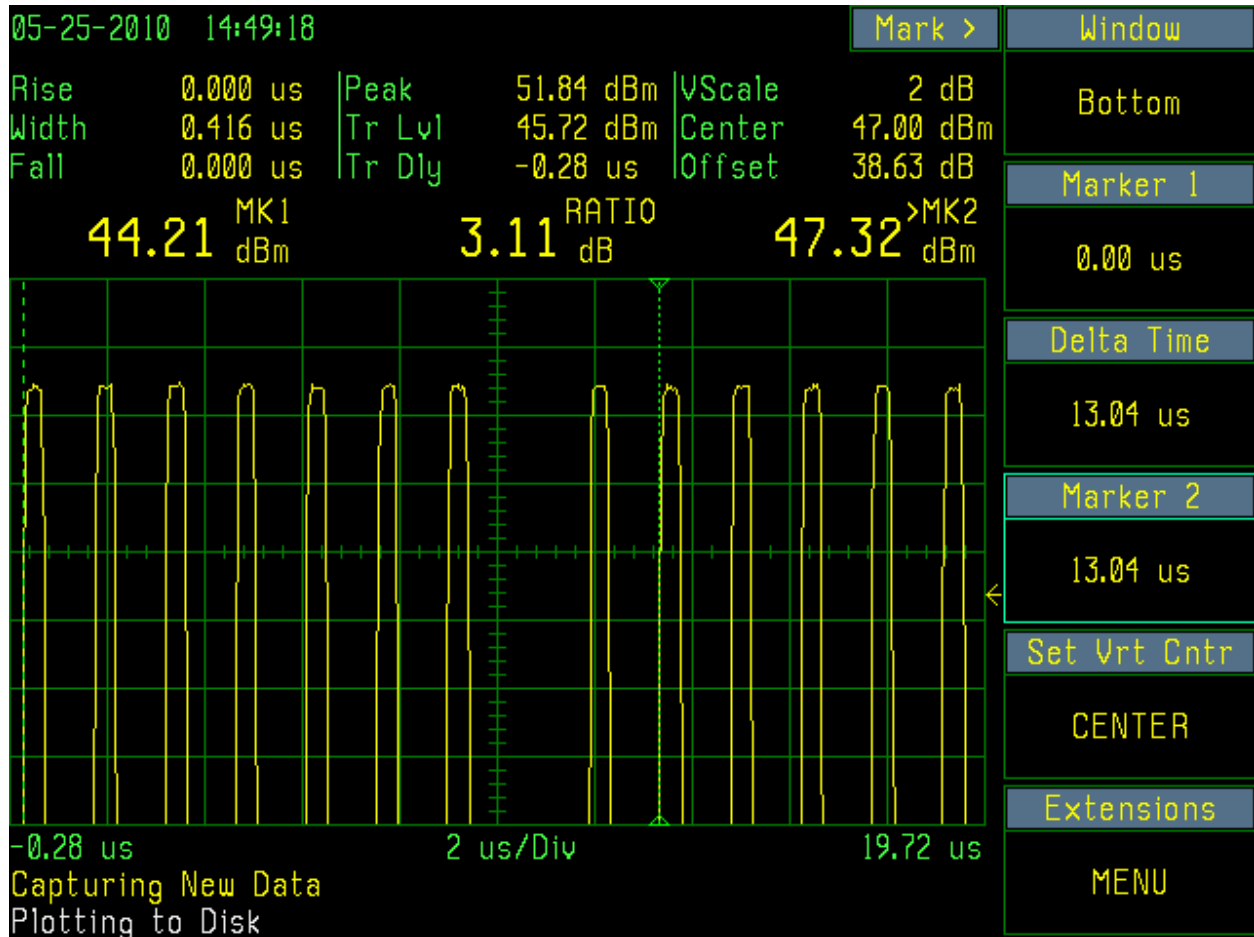


Figure 26: Typical Mode C Reply, F1 to D1 Spacing

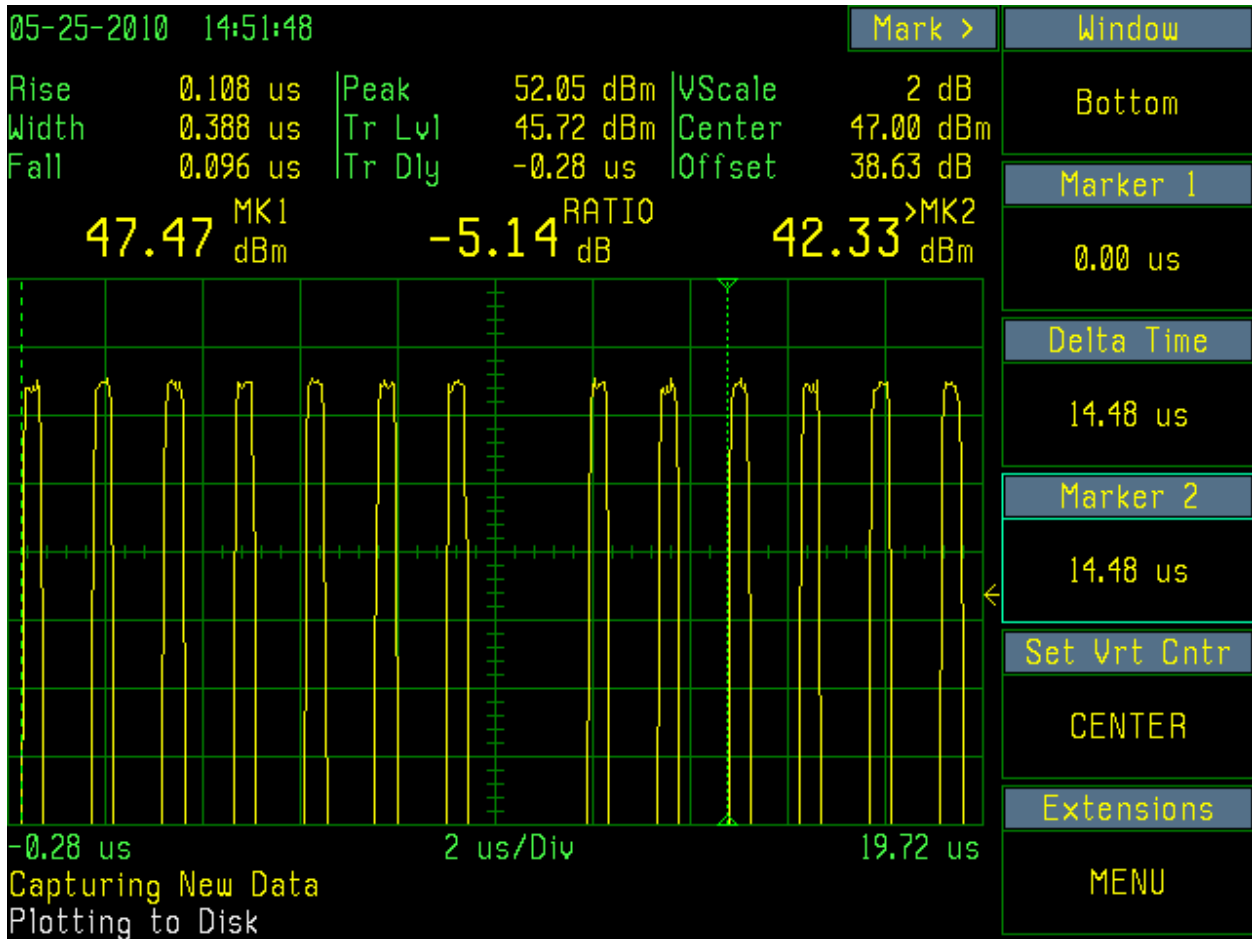


Figure 27: Typical Mode C Reply, F1 to B2 Spacing

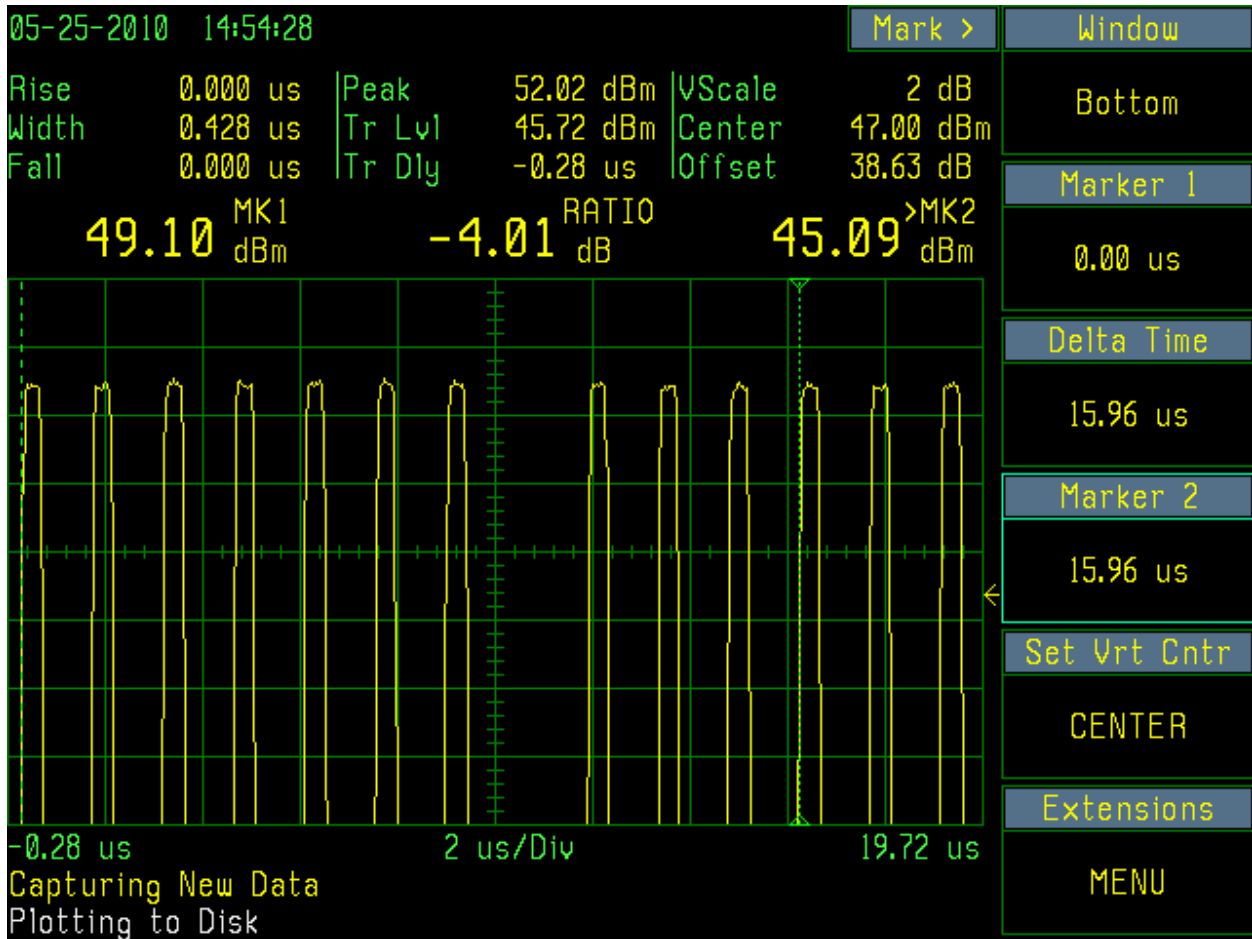


Figure 28: Typical Mode C Reply, F1 to D2 Spacing

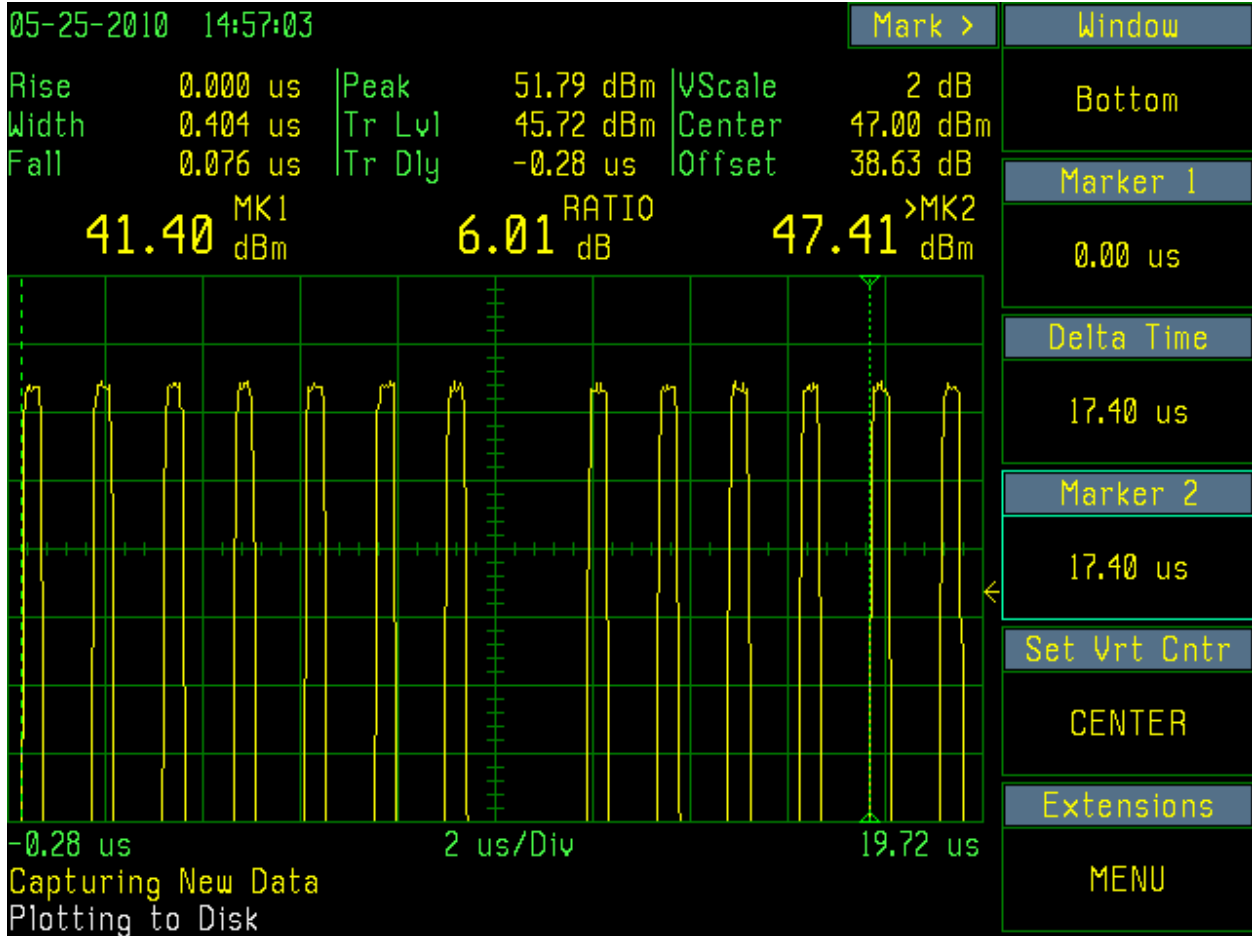


Figure 29: Typical Mode C Reply, F1 to B4 Spacing

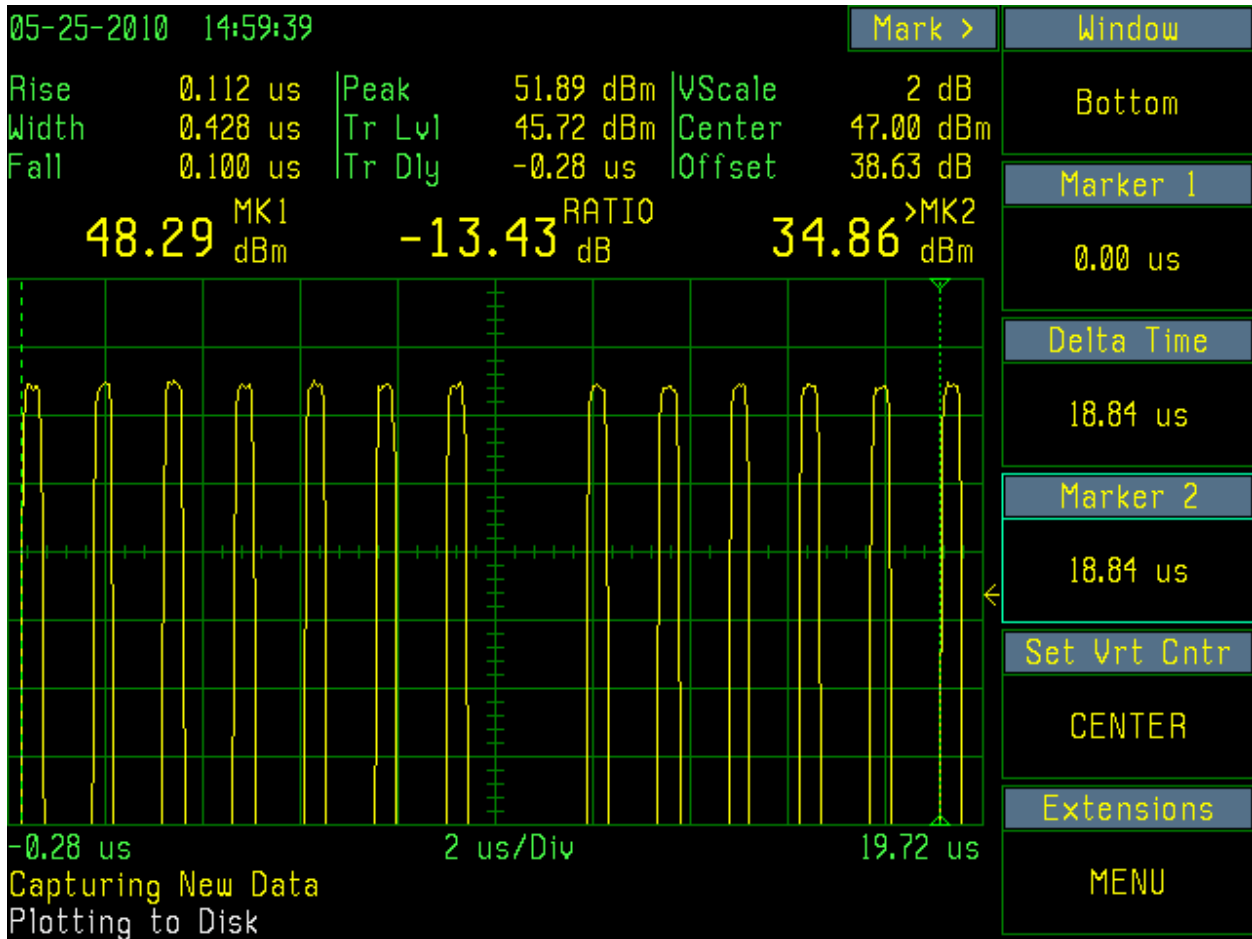


Figure 30: Typical Mode C Reply, F1 to D4 Spacing

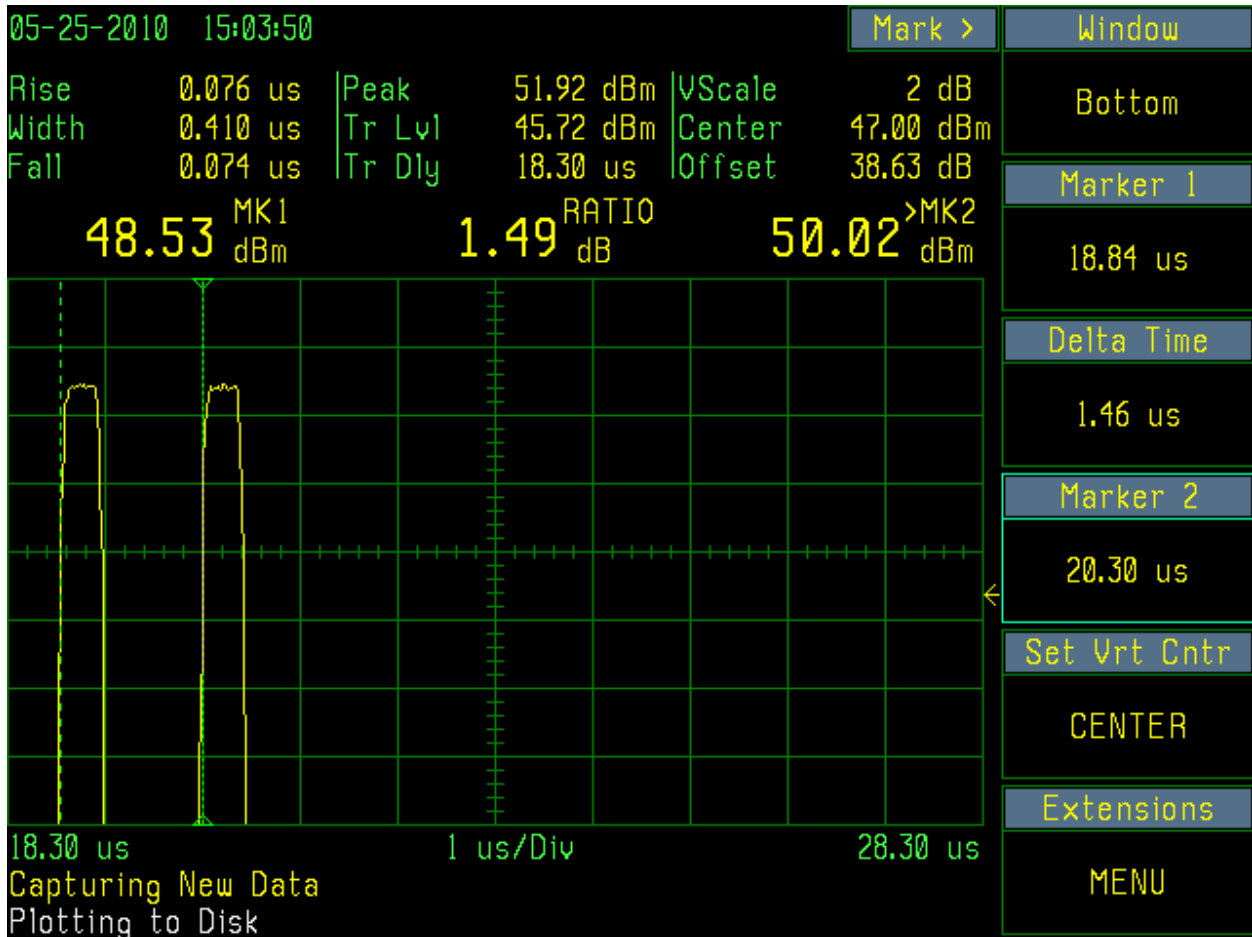


Figure 31: Typical Mode C Reply, D4 to F2 Spacing

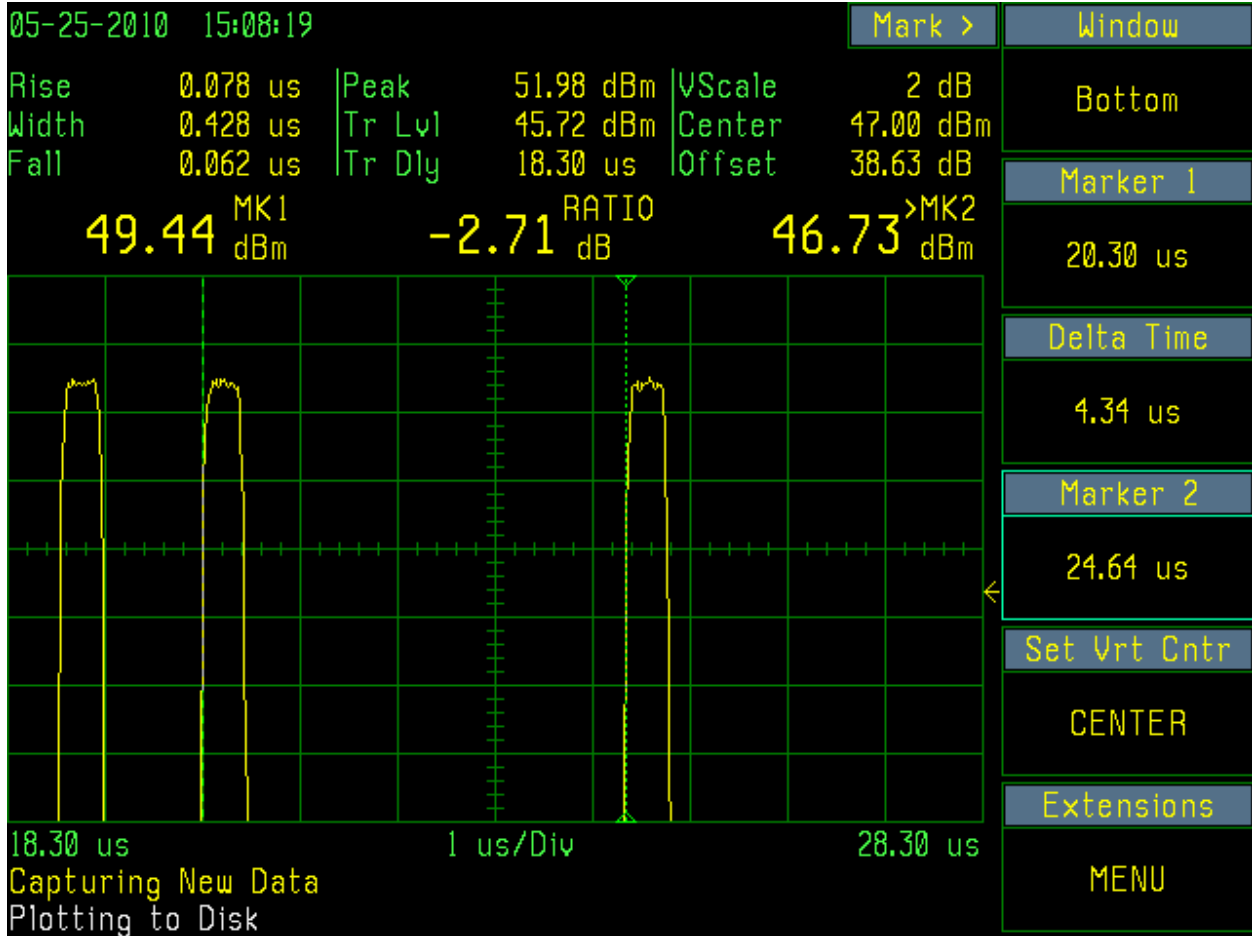


Figure 32: Typical Mode C Reply, F2 to SPI Spacing



XPDR Mode S Replies

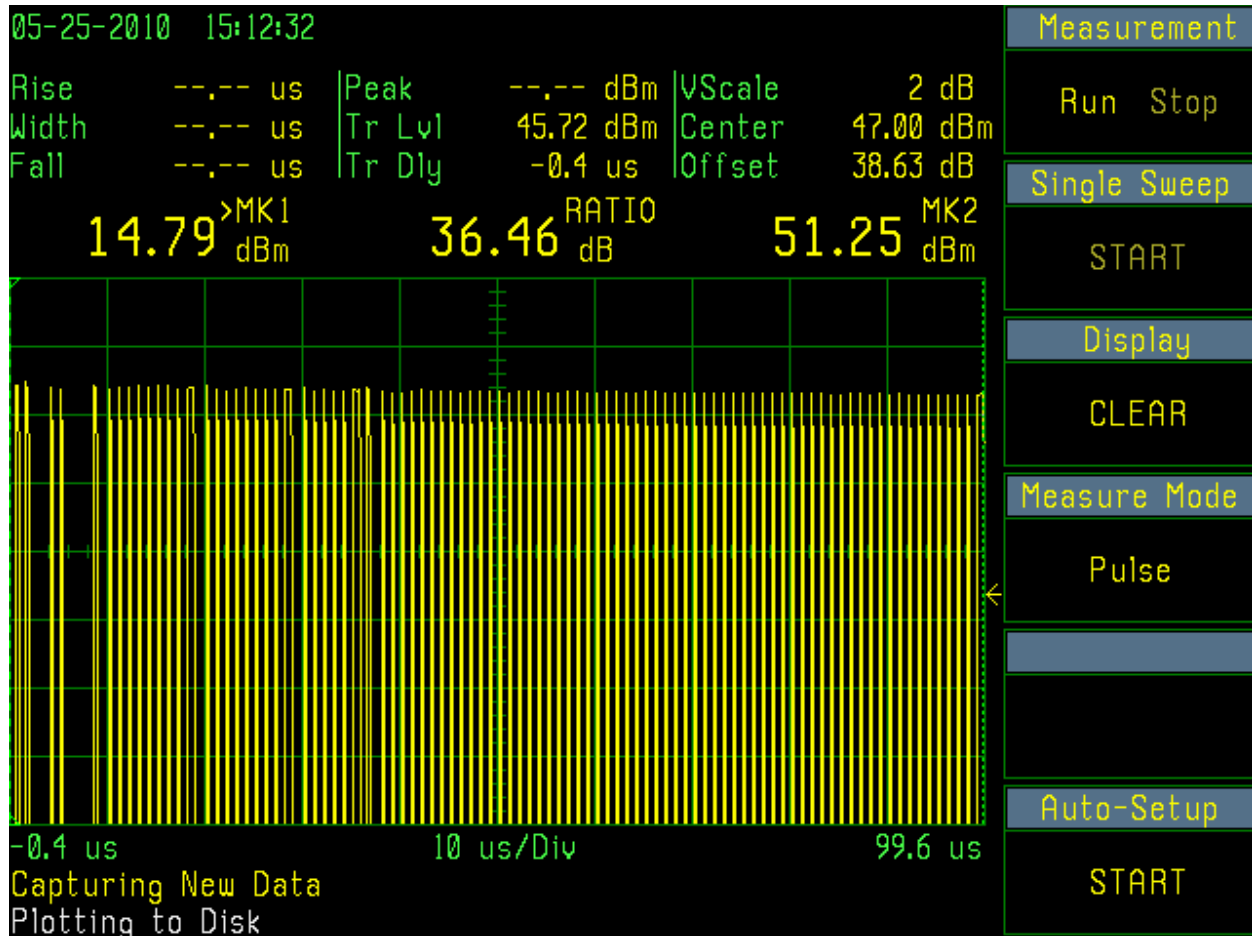


Figure 33: Typical Mode S Reply

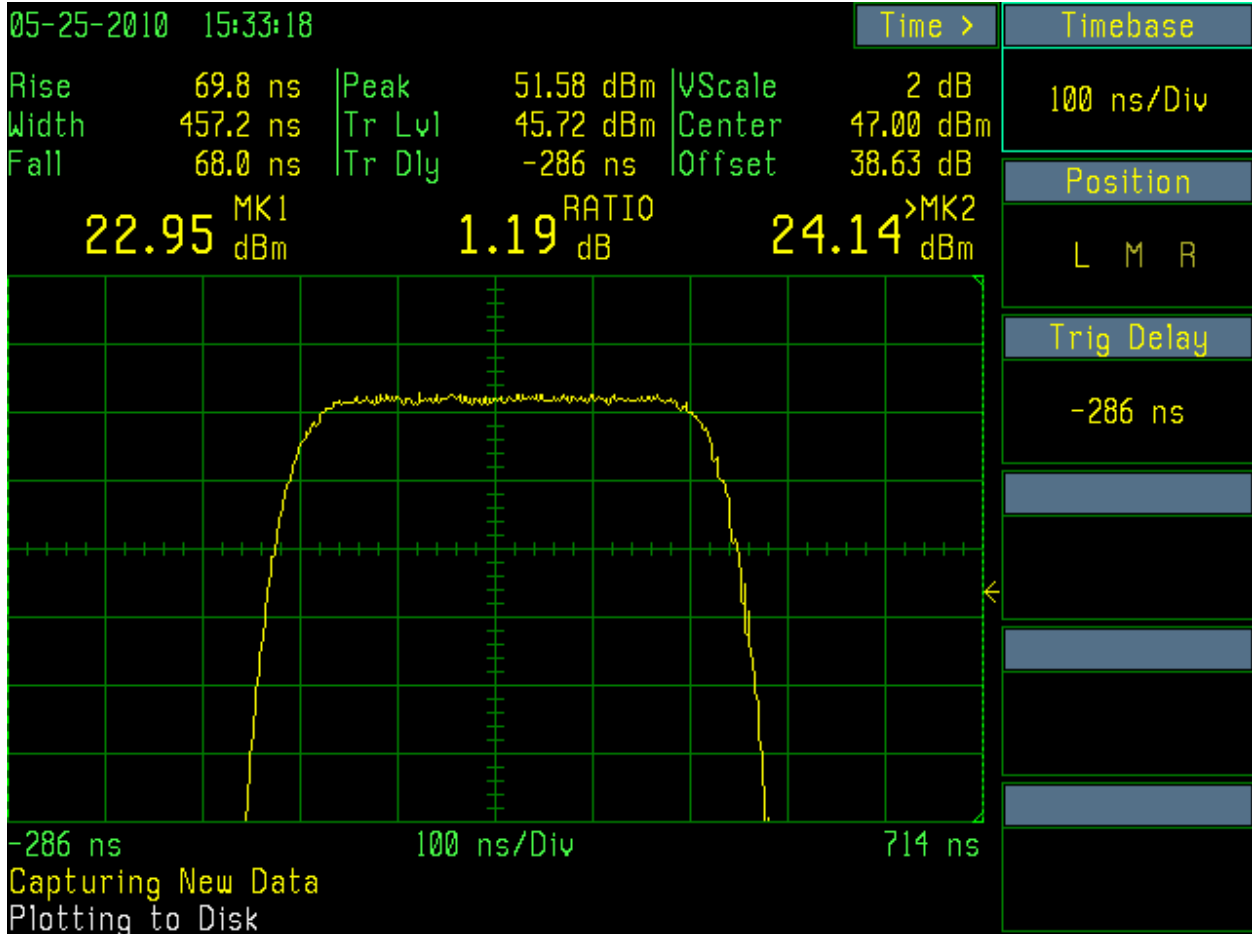


Figure 34: Typical Mode S Reply, General Pulse Shape

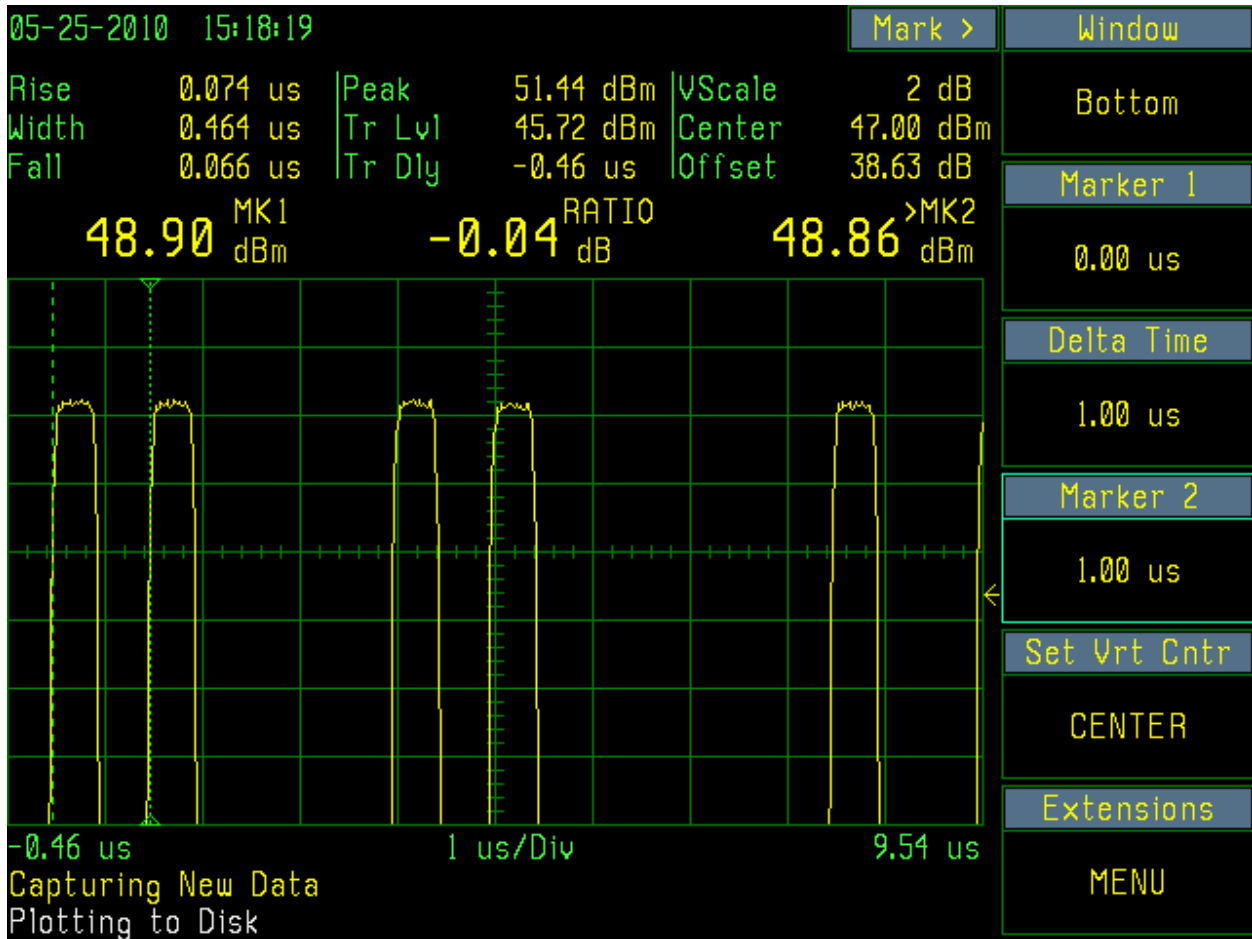


Figure 35: Typical Mode S Reply, P1 to P2 Spacing

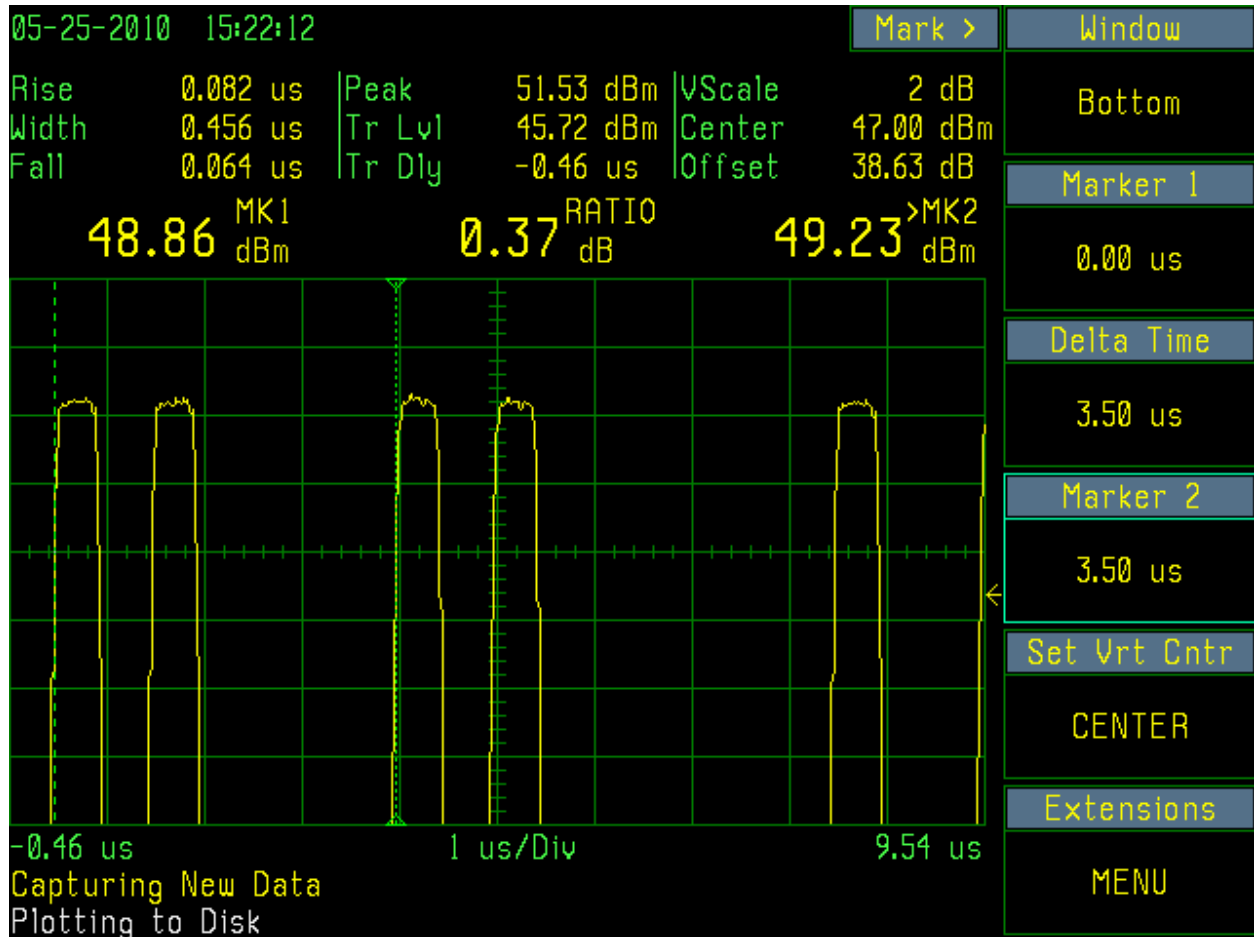


Figure 36: Typical Mode S Reply, P1 to P3 Spacing

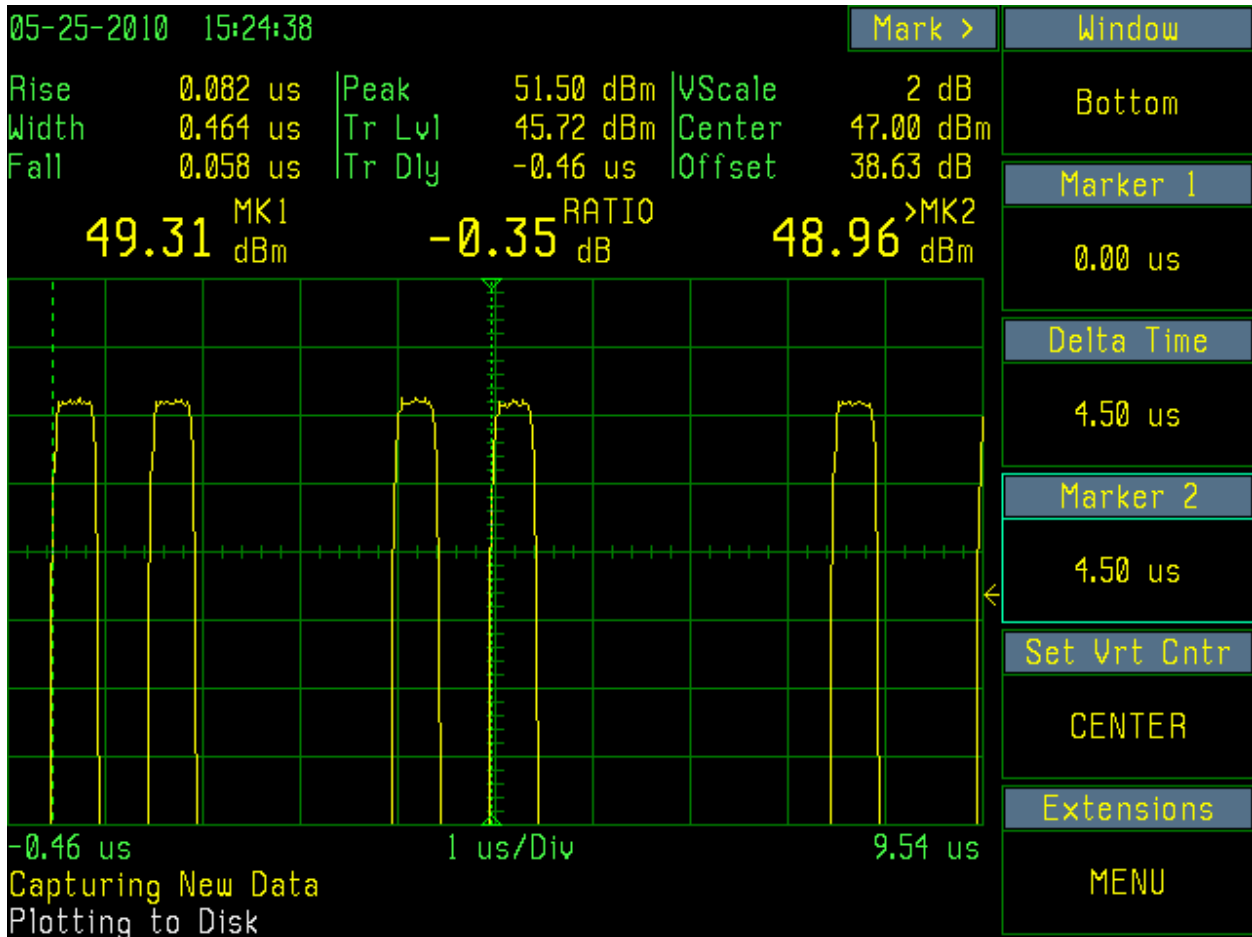


Figure 37: Typical Mode S Reply, P1 to P4 Spacing

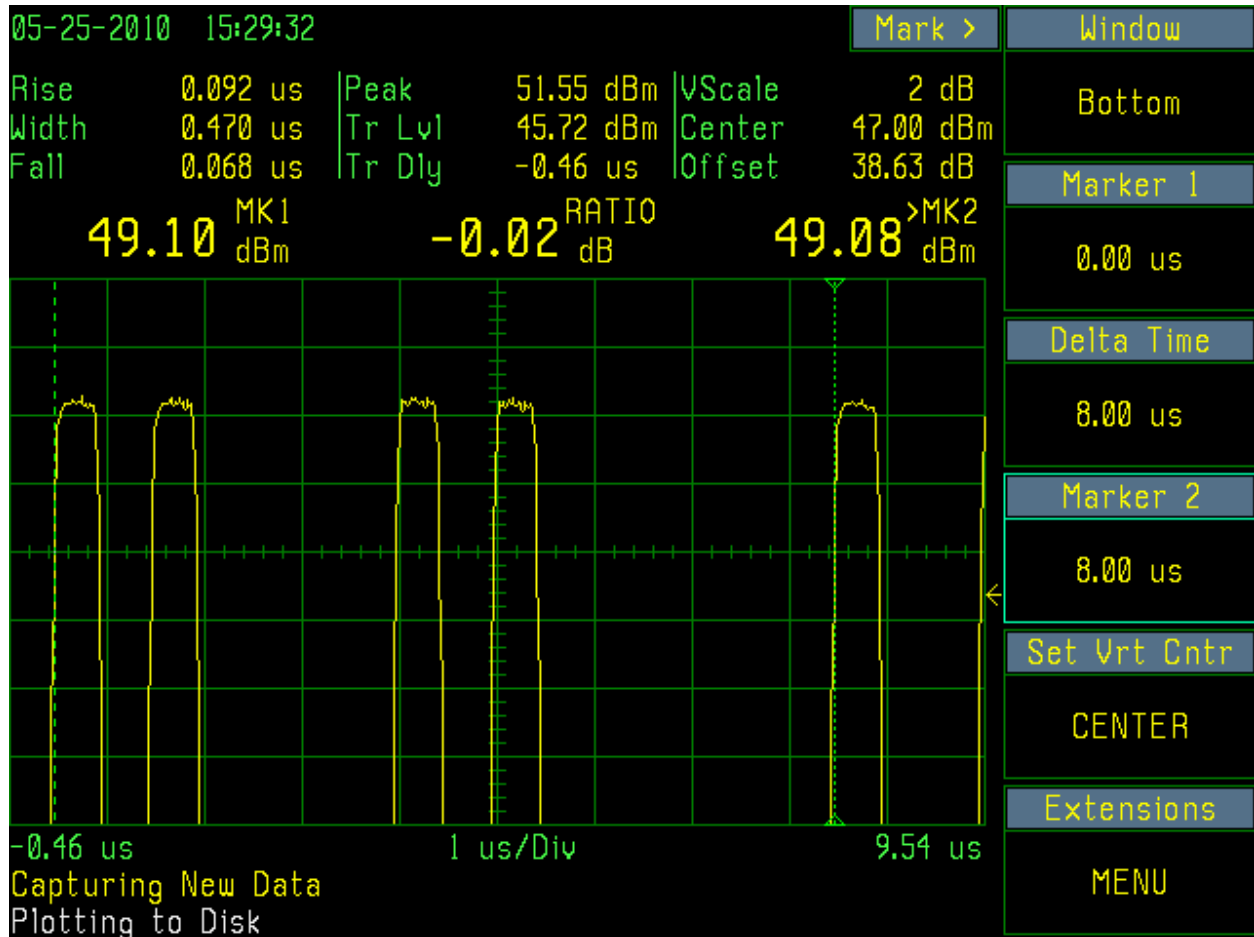


Figure 38: Typical Mode S Reply, P1 to Data Block Spacing

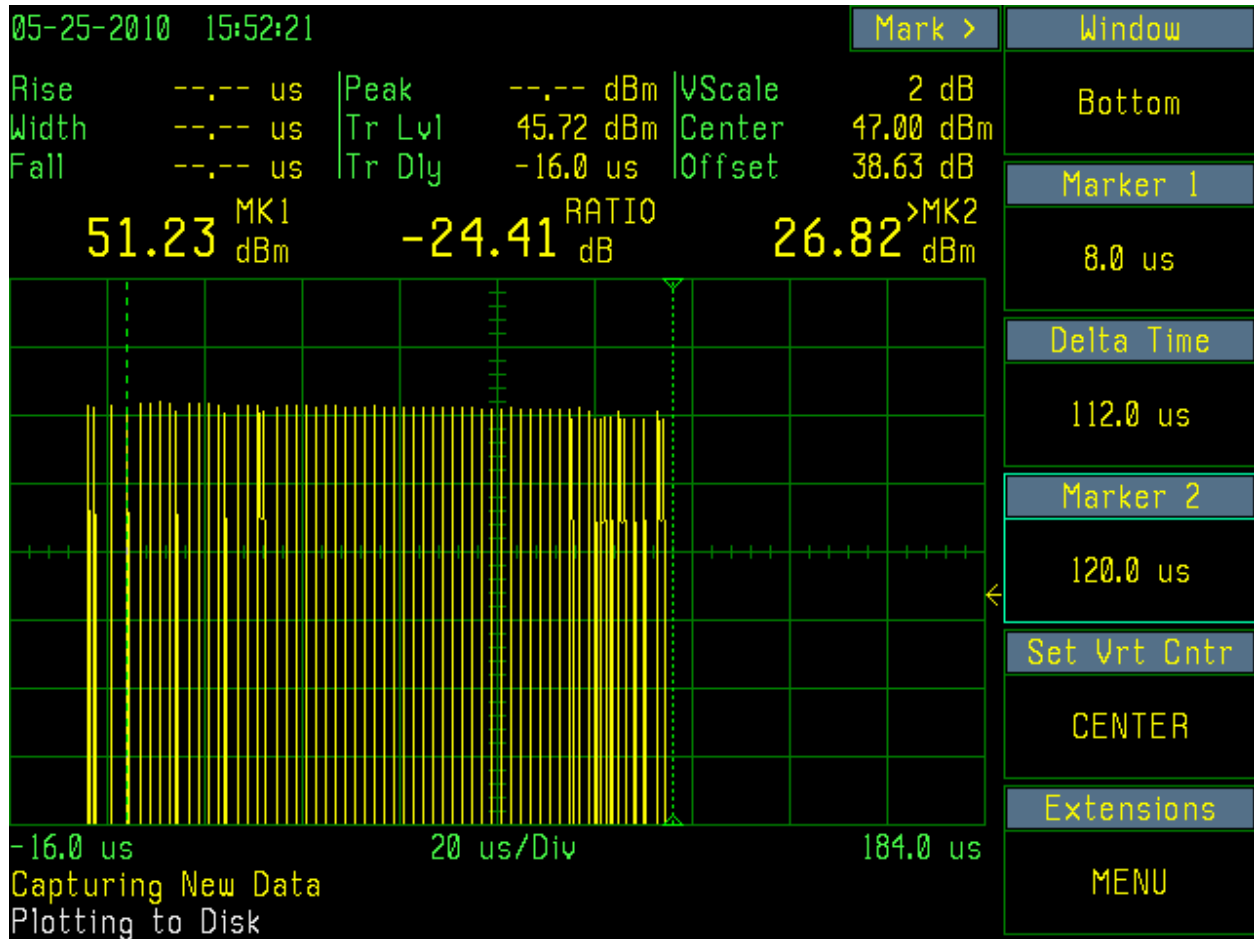


Figure 39: Typical Mode S Reply, Data Block Length