

Figure 77: Occupied Bandwidth, Low Channel, Modulation Profile 3

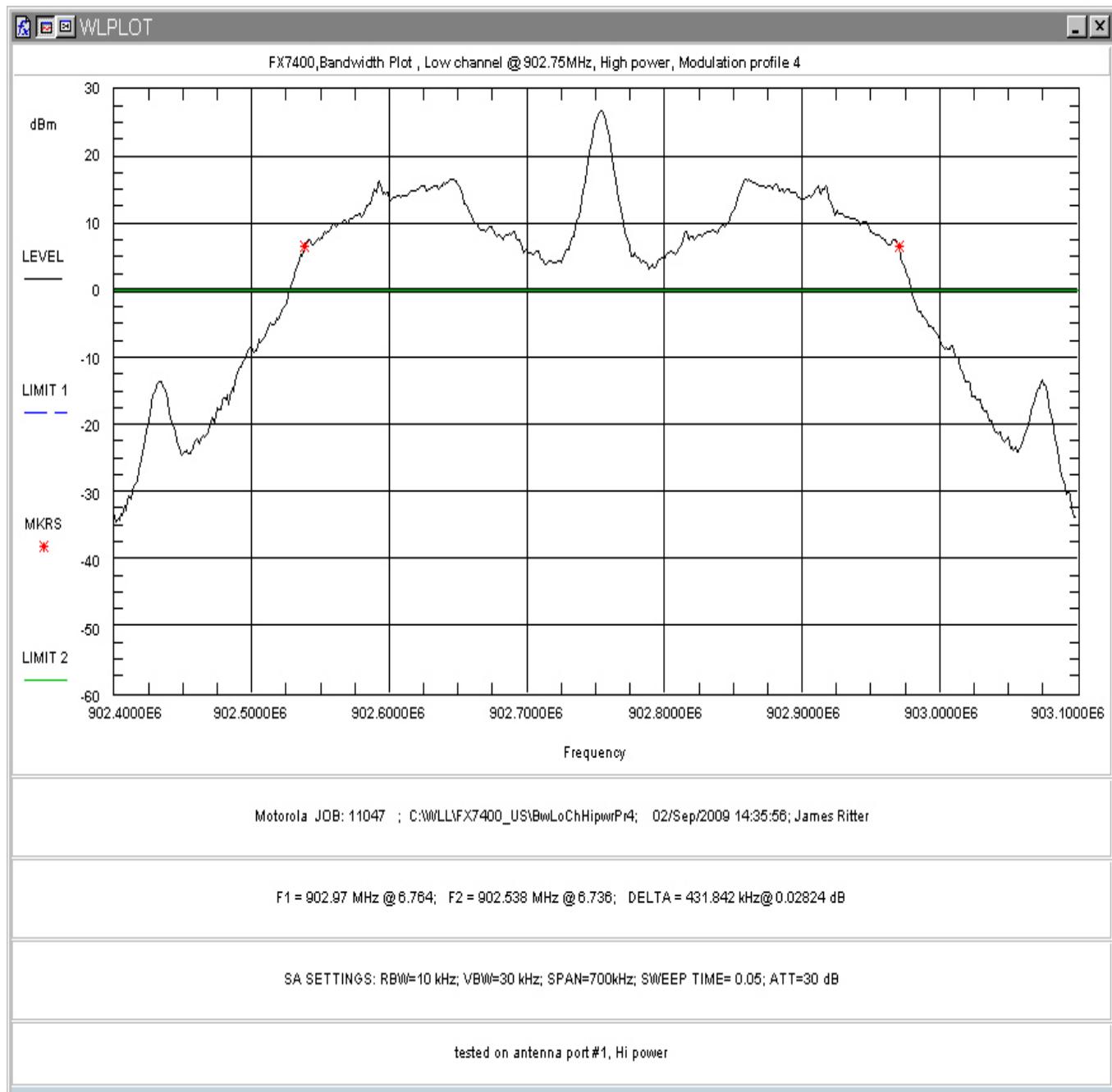


Figure 78: Occupied Bandwidth, Low Channel, Modulation Profile 4

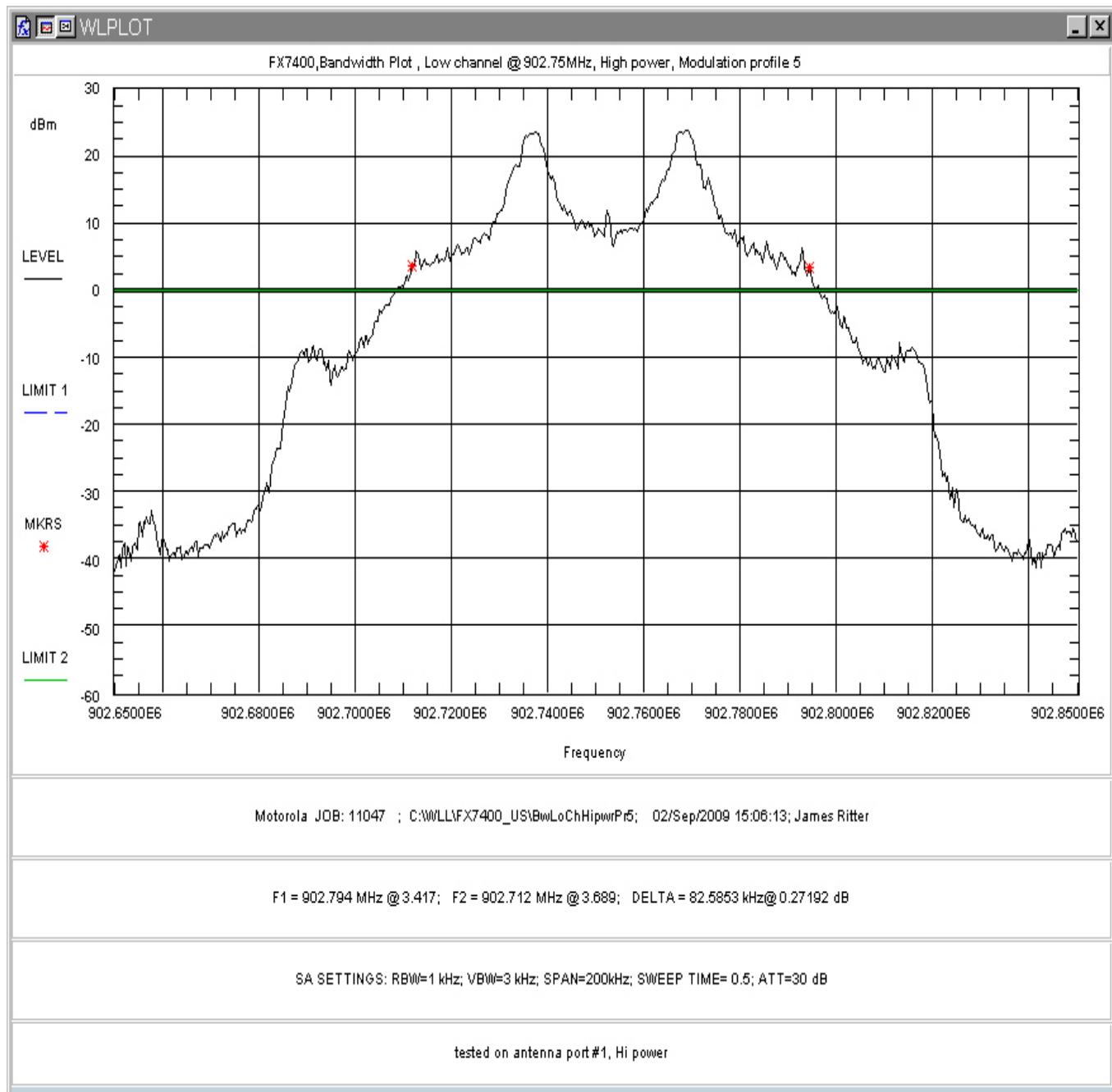


Figure 79: Occupied Bandwidth, Low Channel, Modulation Profile 5

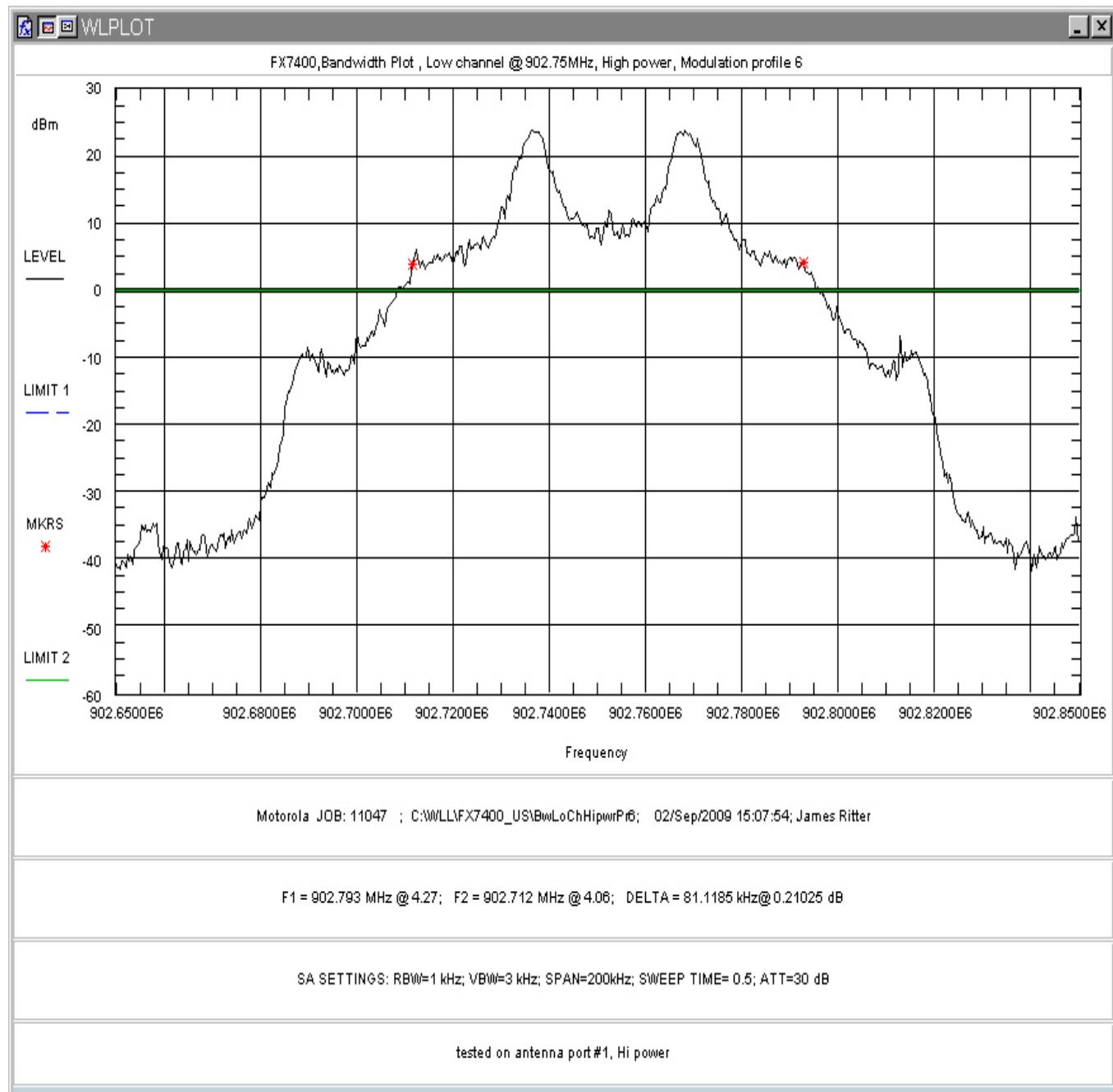


Figure 80: Occupied Bandwidth, Low Channel, Modulation Profile 6

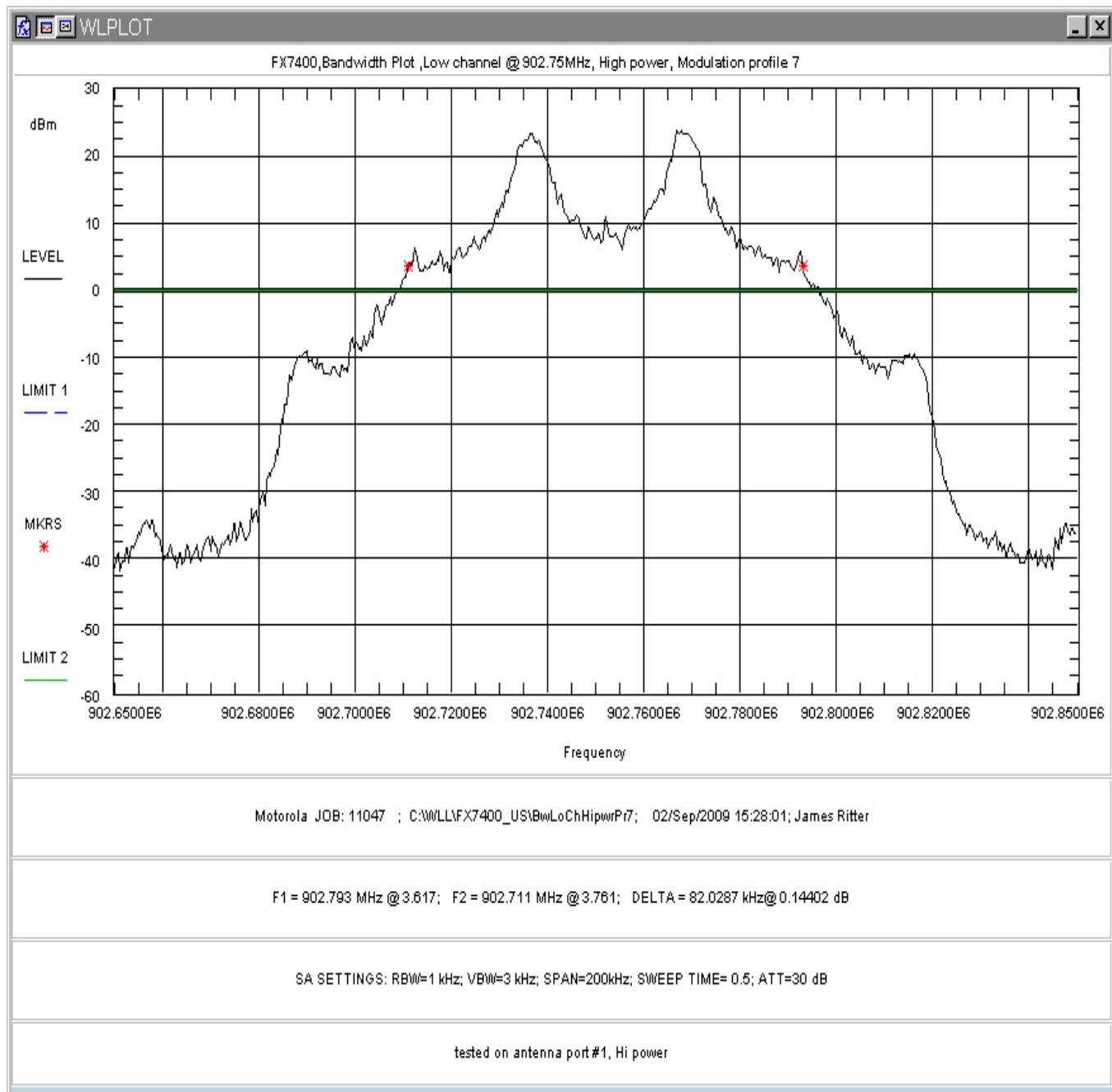


Figure 81: Occupied Bandwidth, Low Channel, Modulation Profile 7

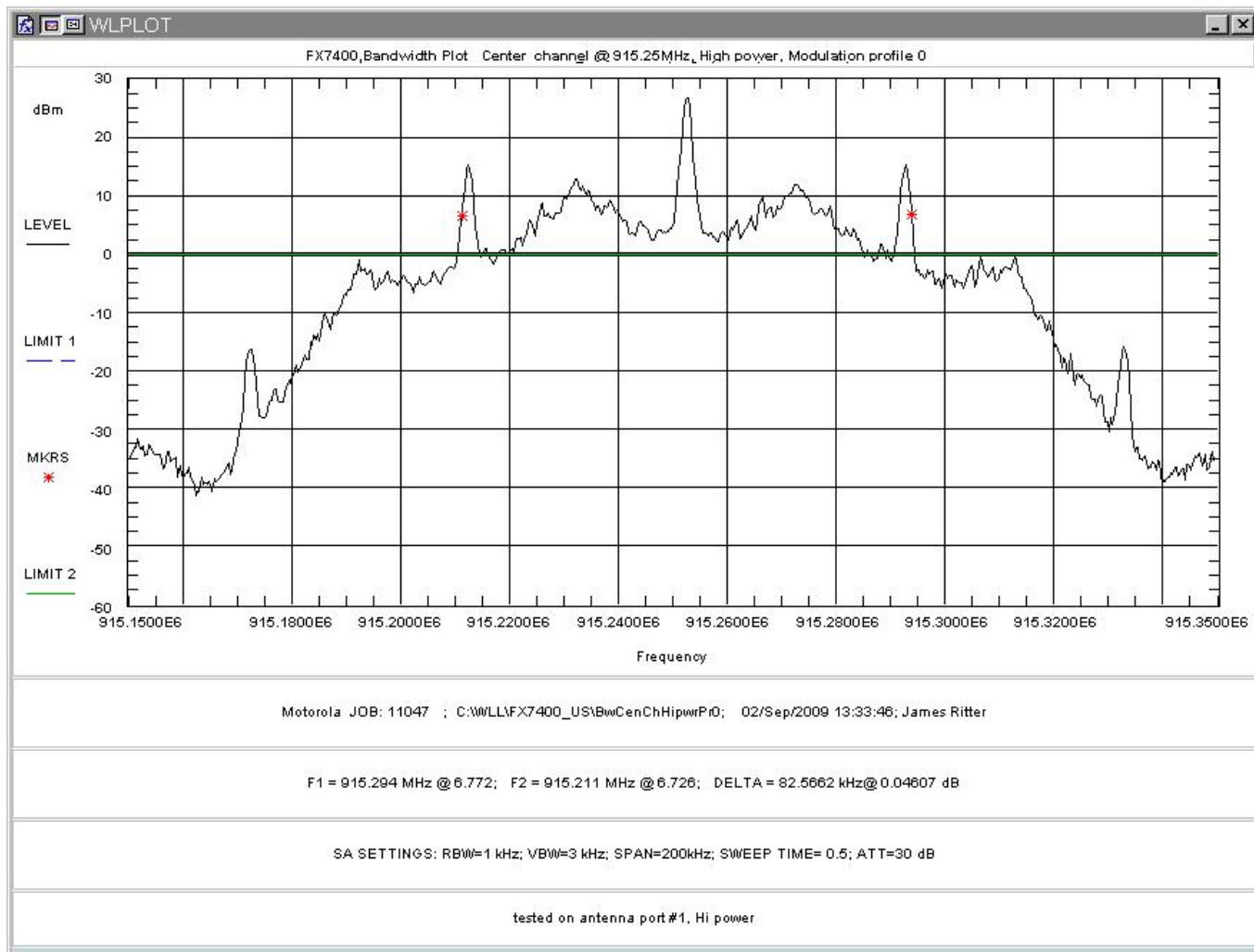


Figure 82: Occupied Bandwidth, Center Channel, Modulation Profile 0

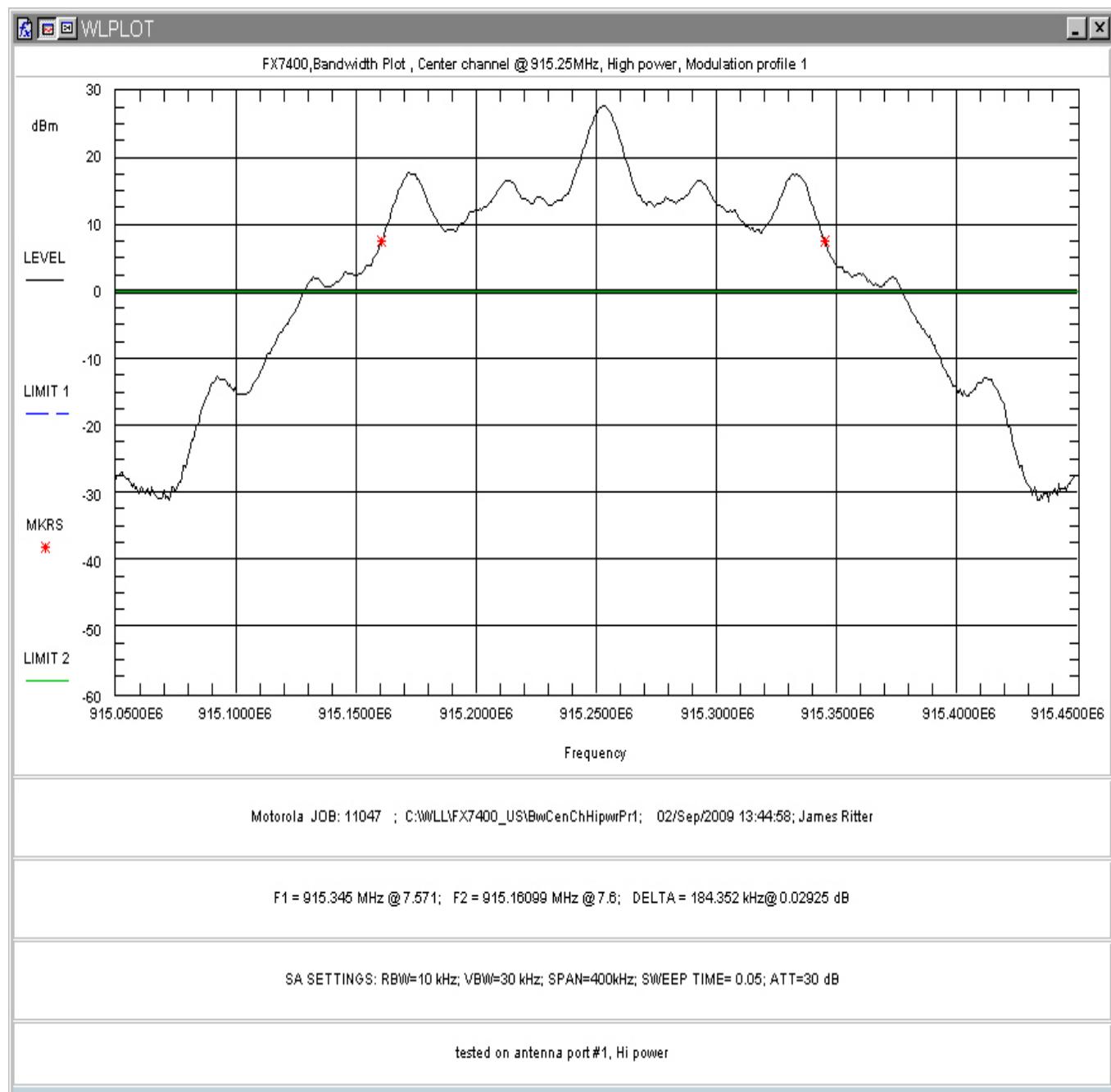


Figure 83: Occupied Bandwidth, Center Channel, Modulation Profile 1

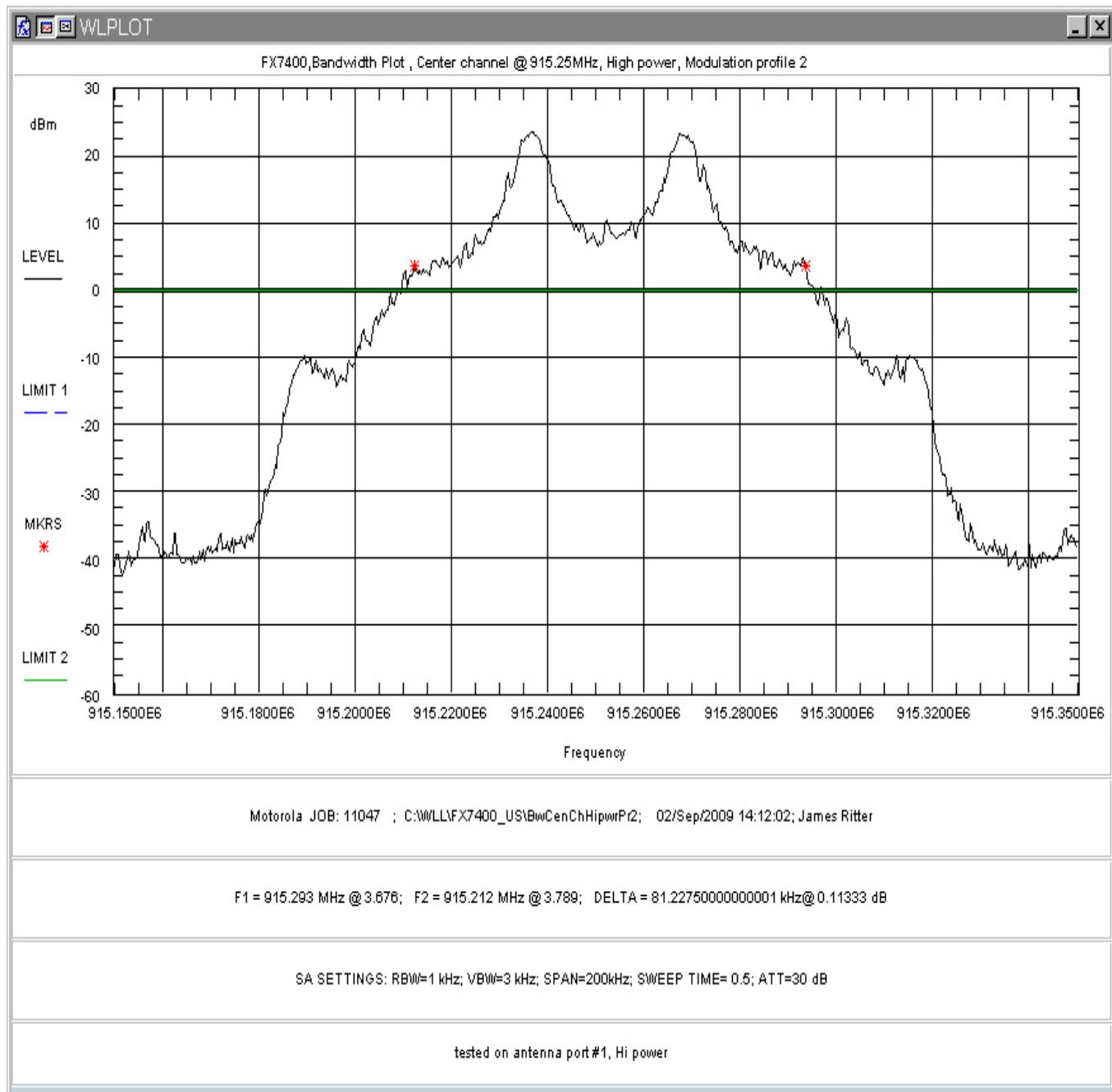


Figure 84: Occupied Bandwidth, Center Channel, Modulation Profile 2

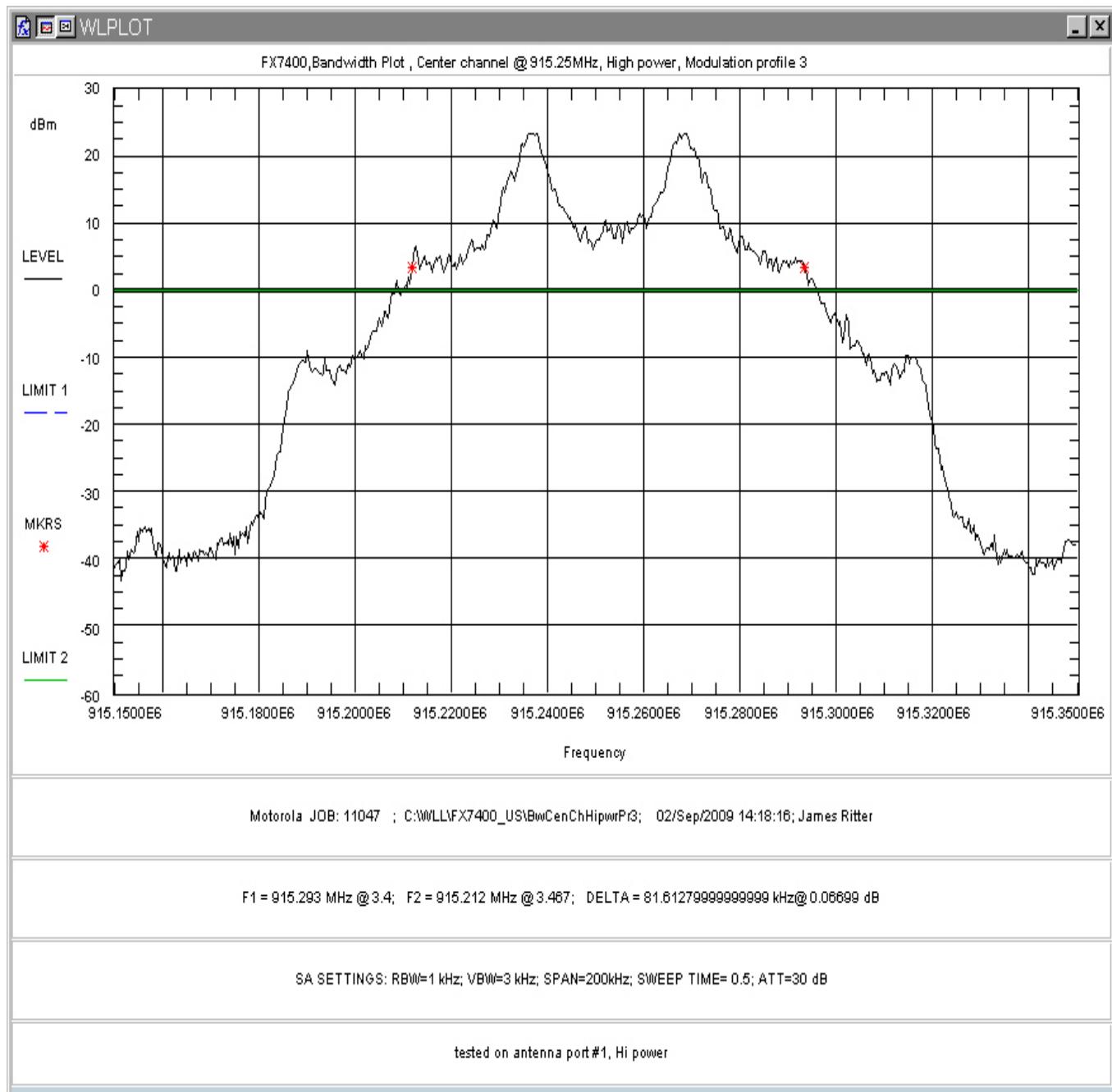


Figure 85: Occupied Bandwidth, Center Channel, Modulation Profile 3

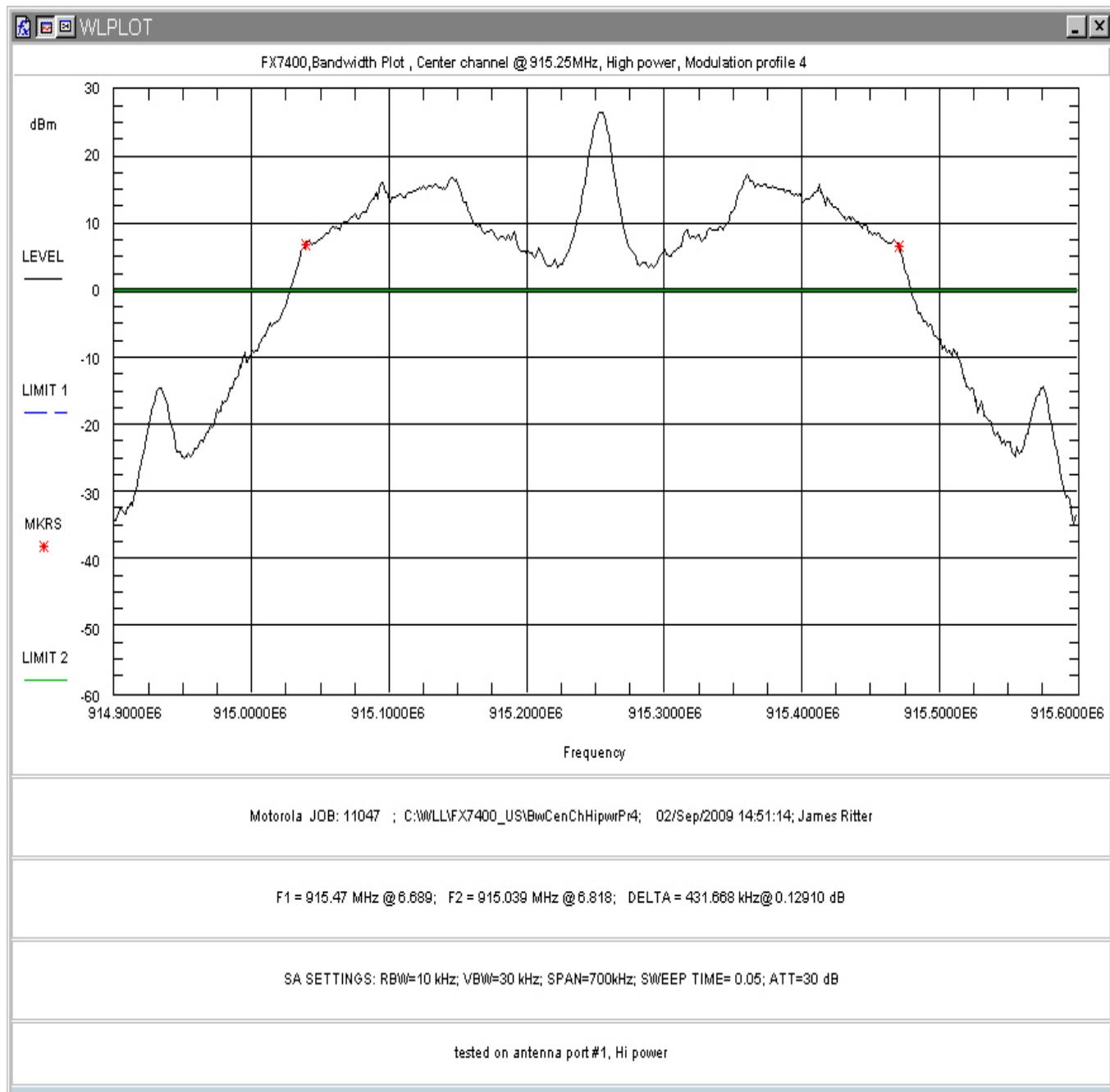


Figure 86: Occupied Bandwidth, Center Channel, Modulation Profile 4

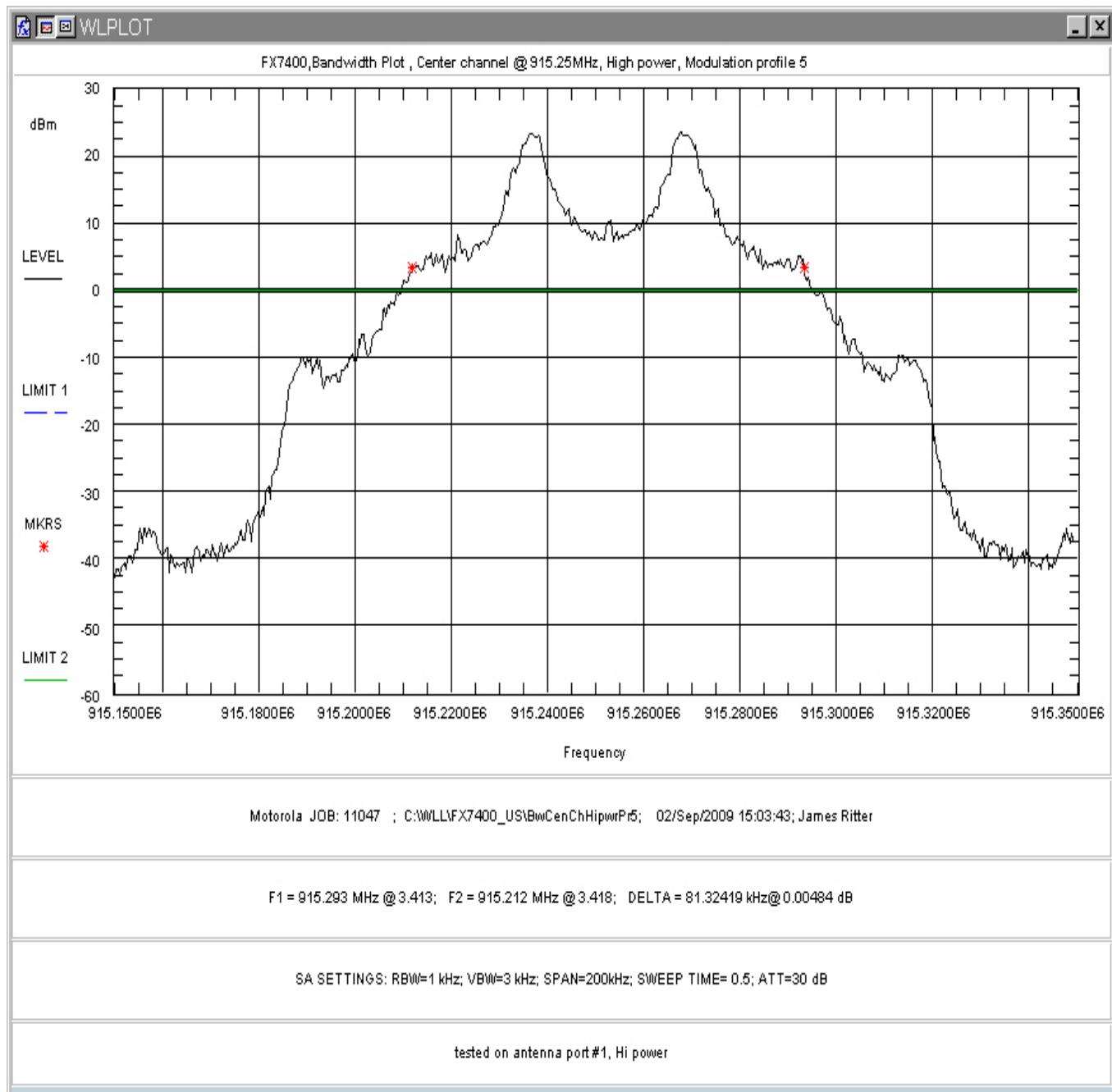


Figure 87: Occupied Bandwidth, Center Channel, Modulation Profile 5

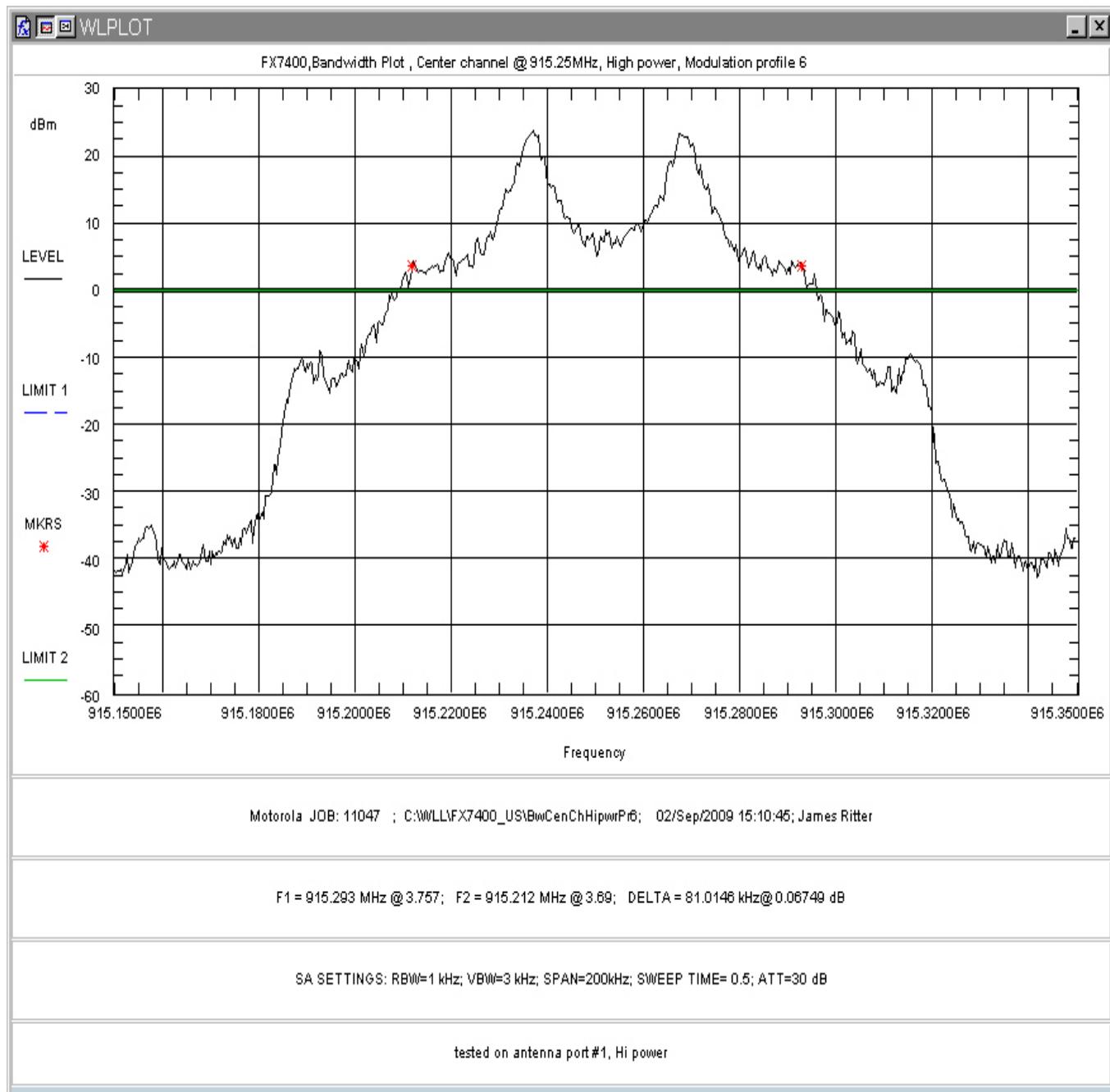


Figure 88: Occupied Bandwidth, Center Channel, Modulation Profile 6

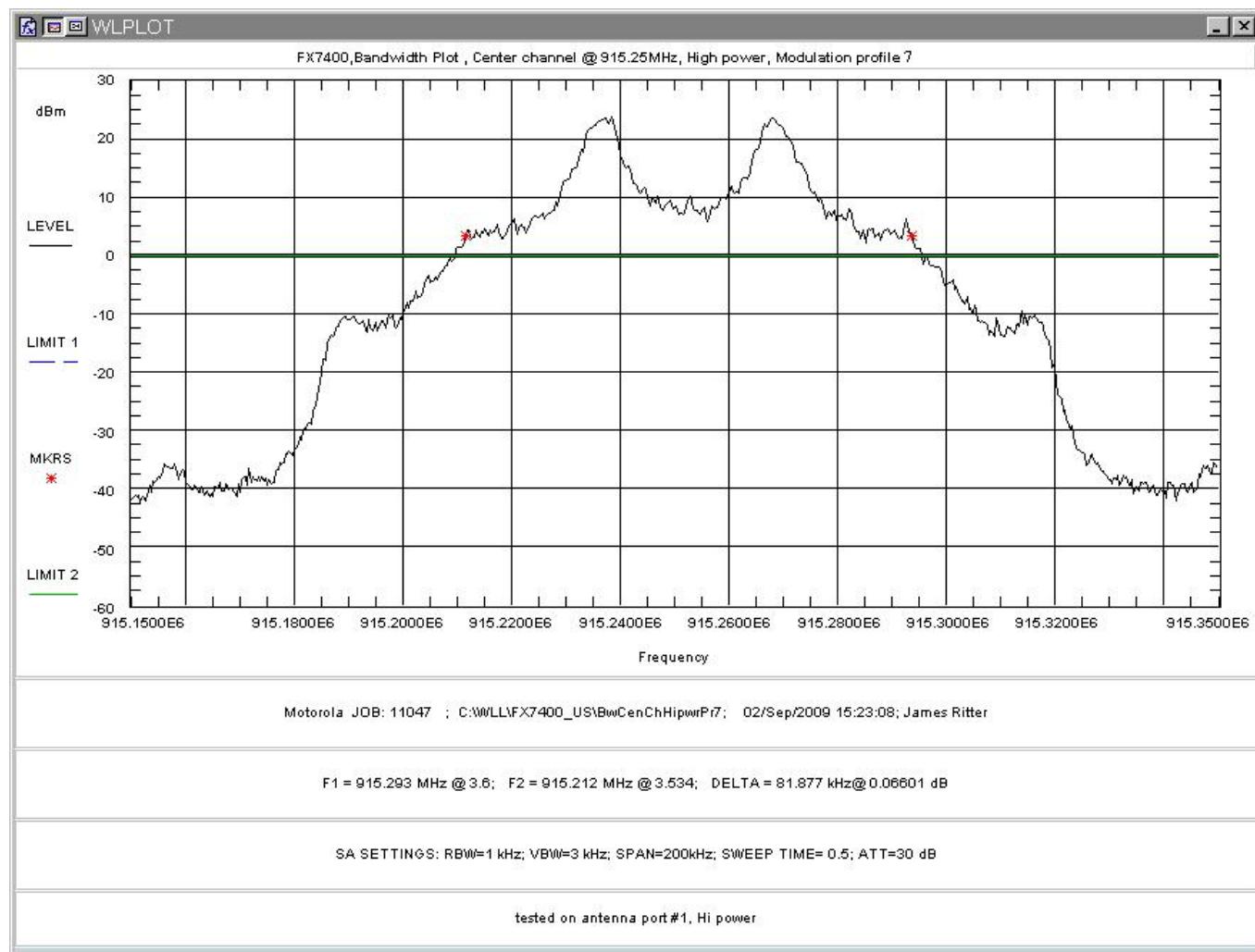


Figure 89: Occupied Bandwidth, Center Channel, Modulation Profile 7

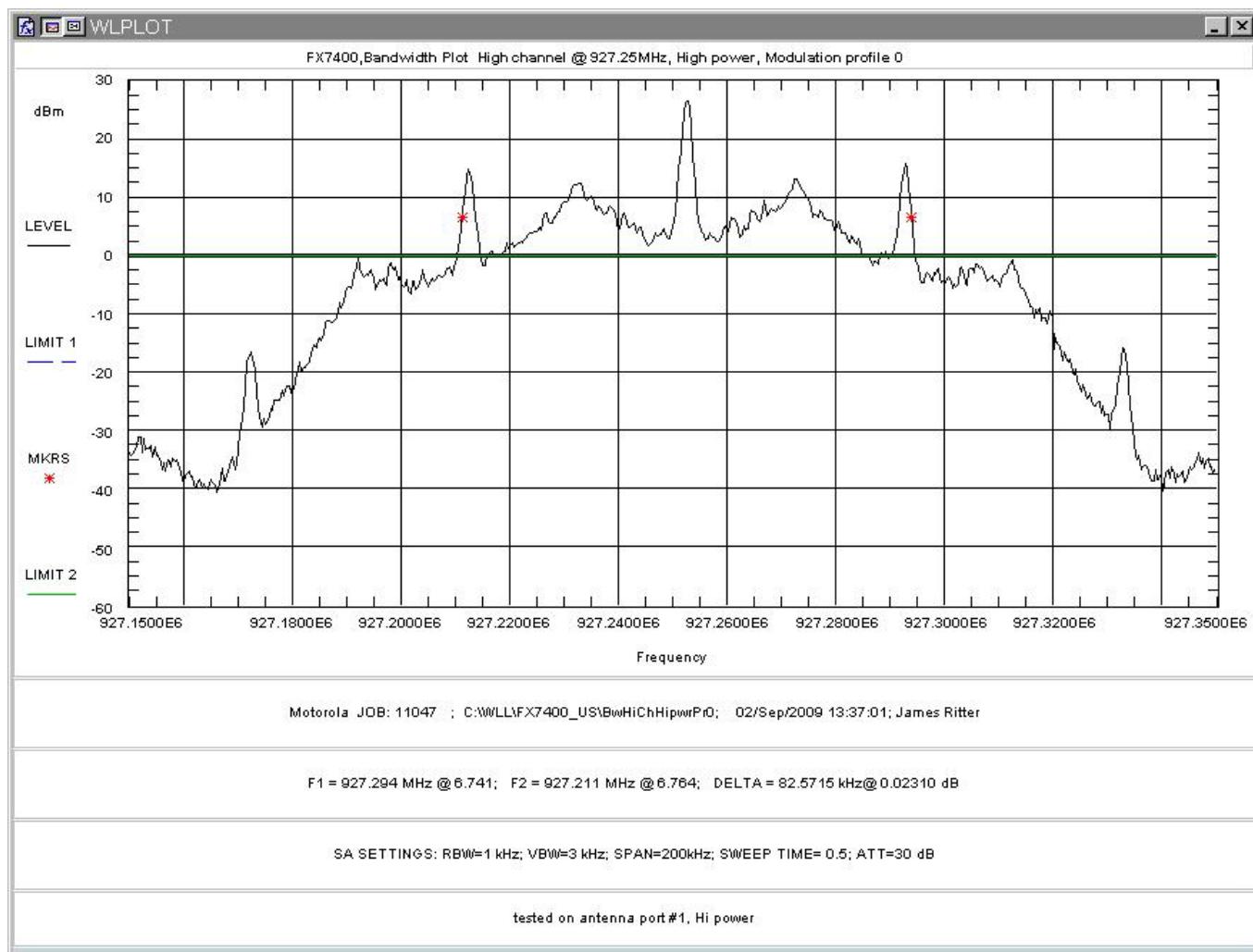


Figure 90: Occupied Bandwidth, High Channel, Modulation Profile 0

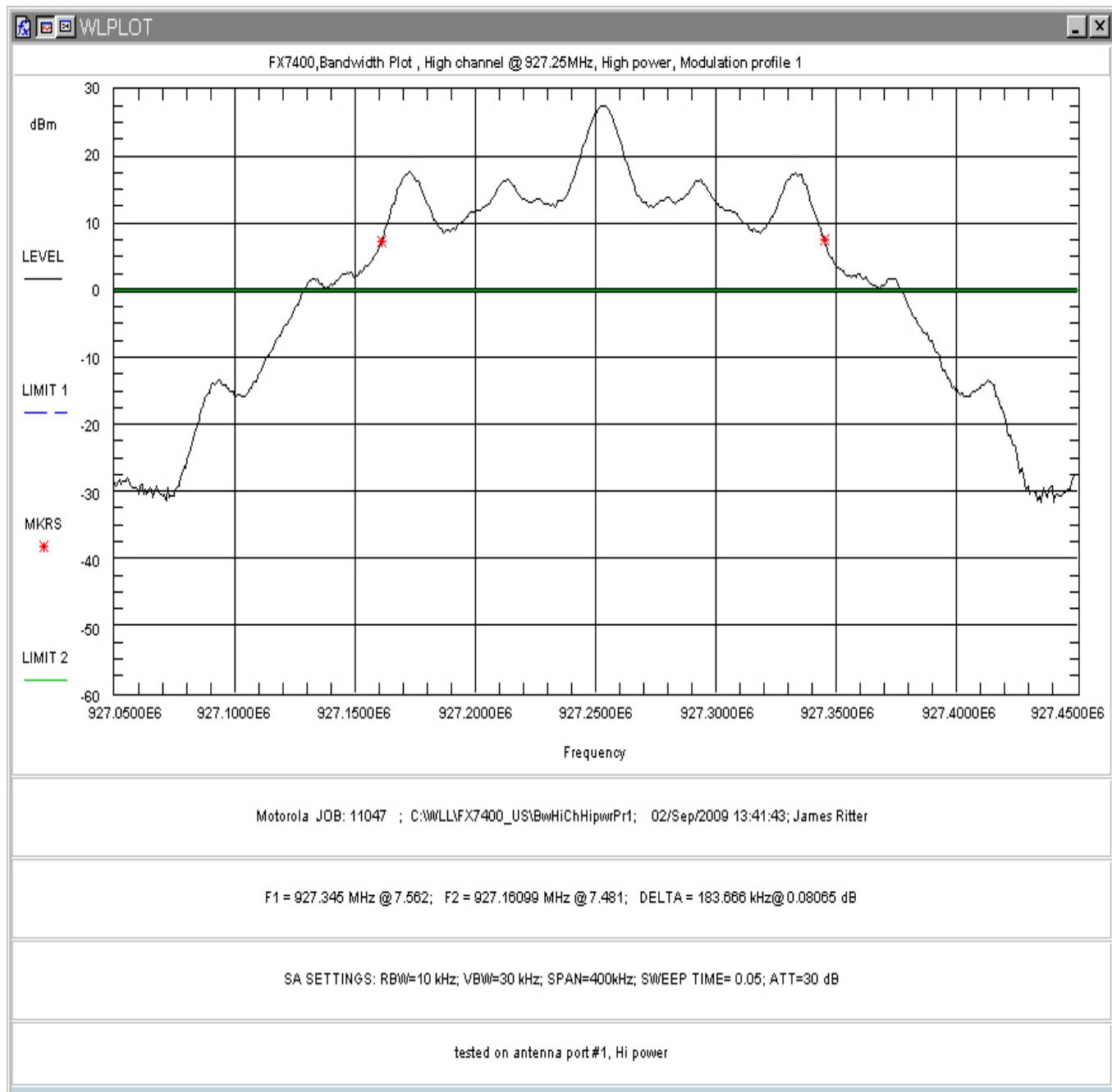


Figure 91: Occupied Bandwidth, High Channel, Modulation Profile 1

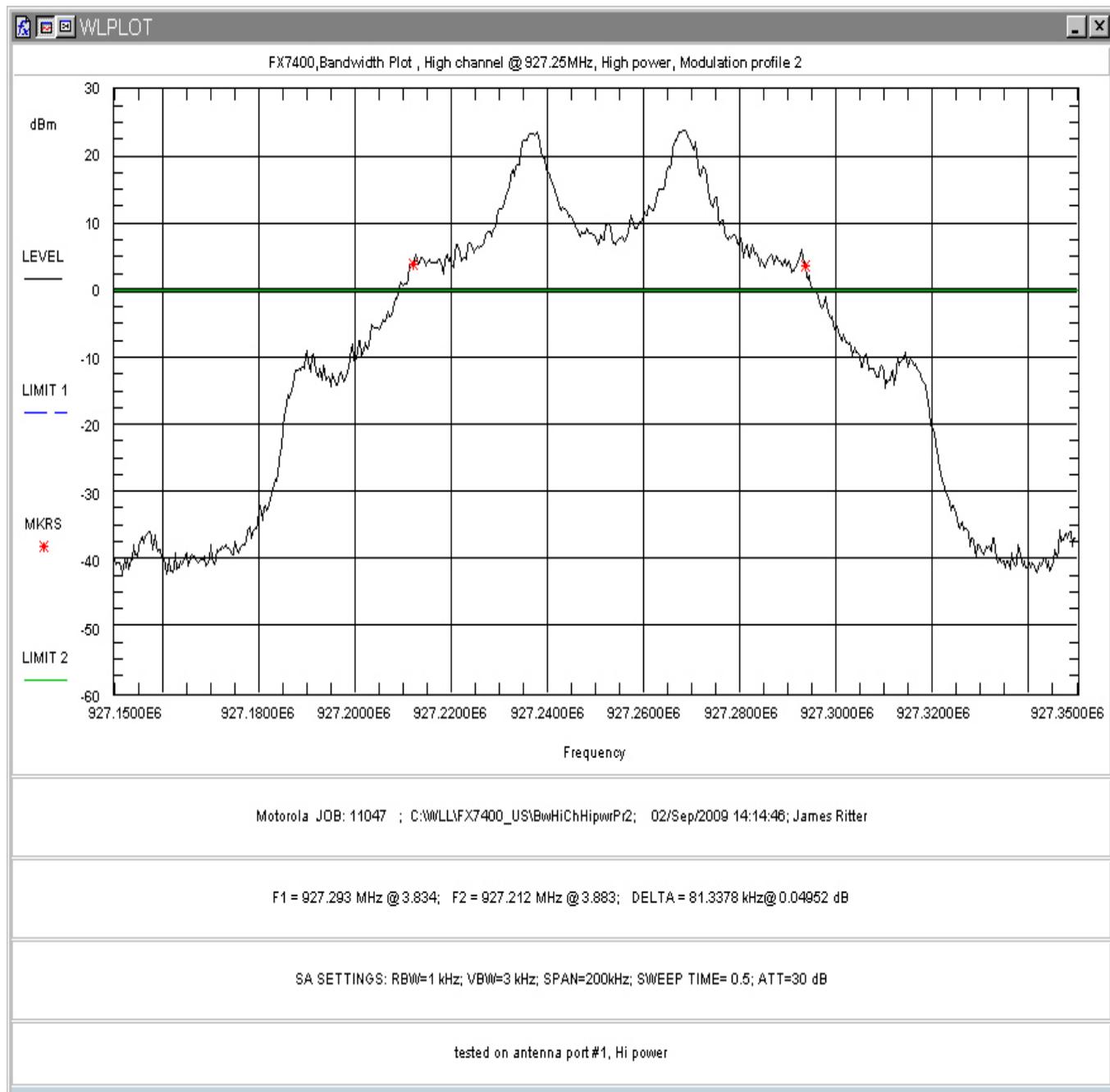


Figure 92: Occupied Bandwidth, High Channel, Modulation Profile 2

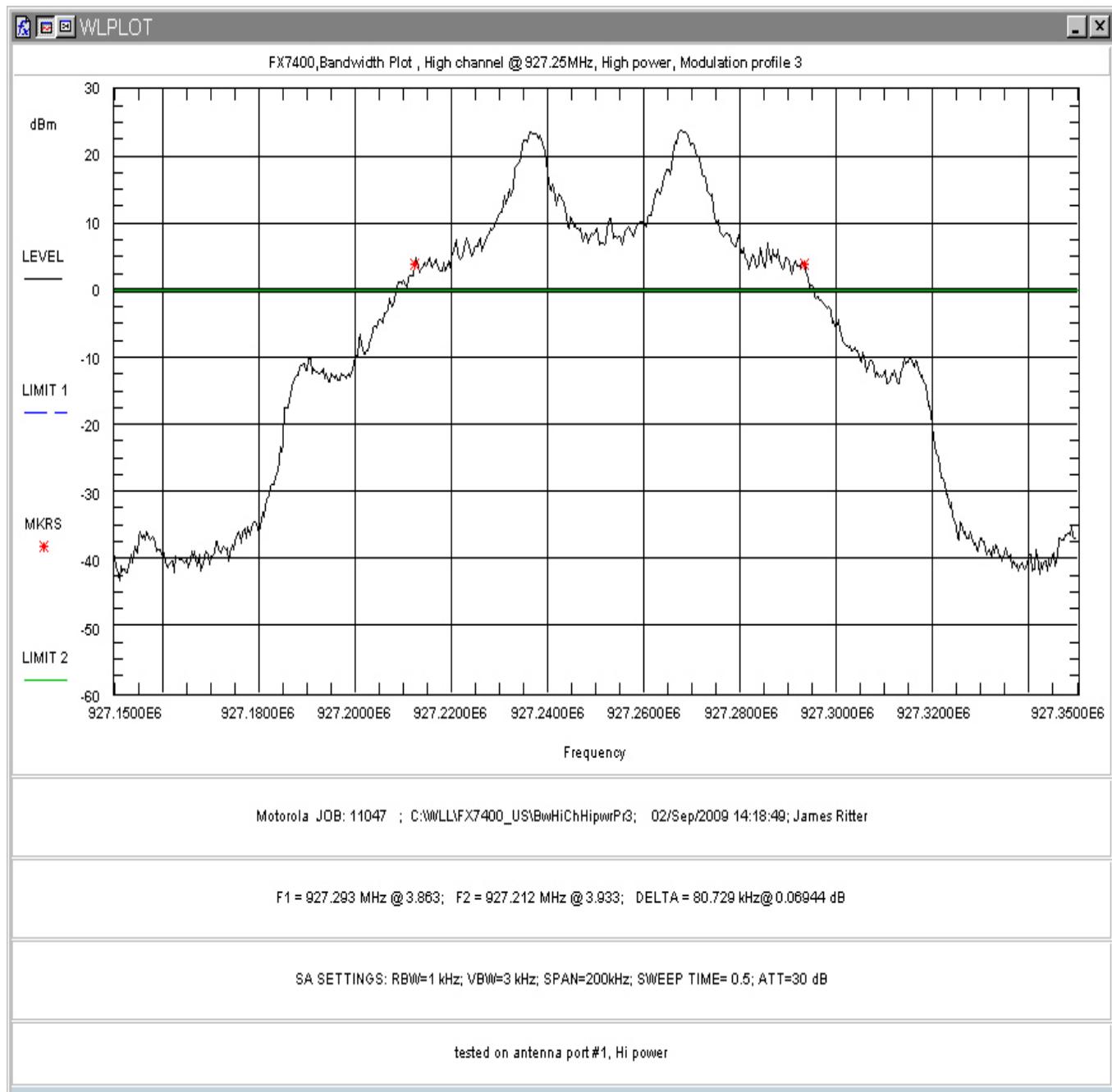


Figure 93: Occupied Bandwidth, High Channel, Modulation Profile 3

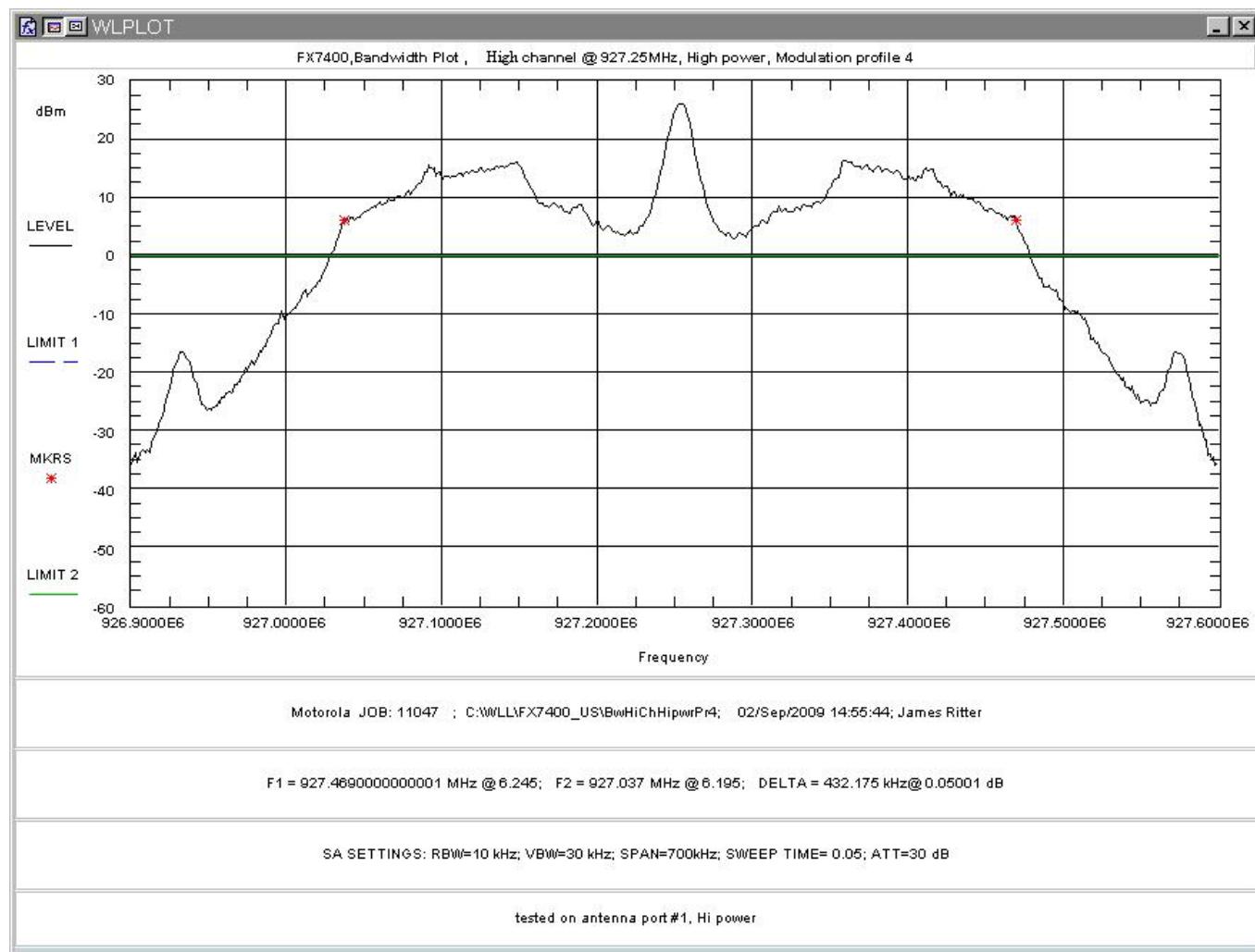


Figure 94: Occupied Bandwidth, High Channel, Modulation Profile 4

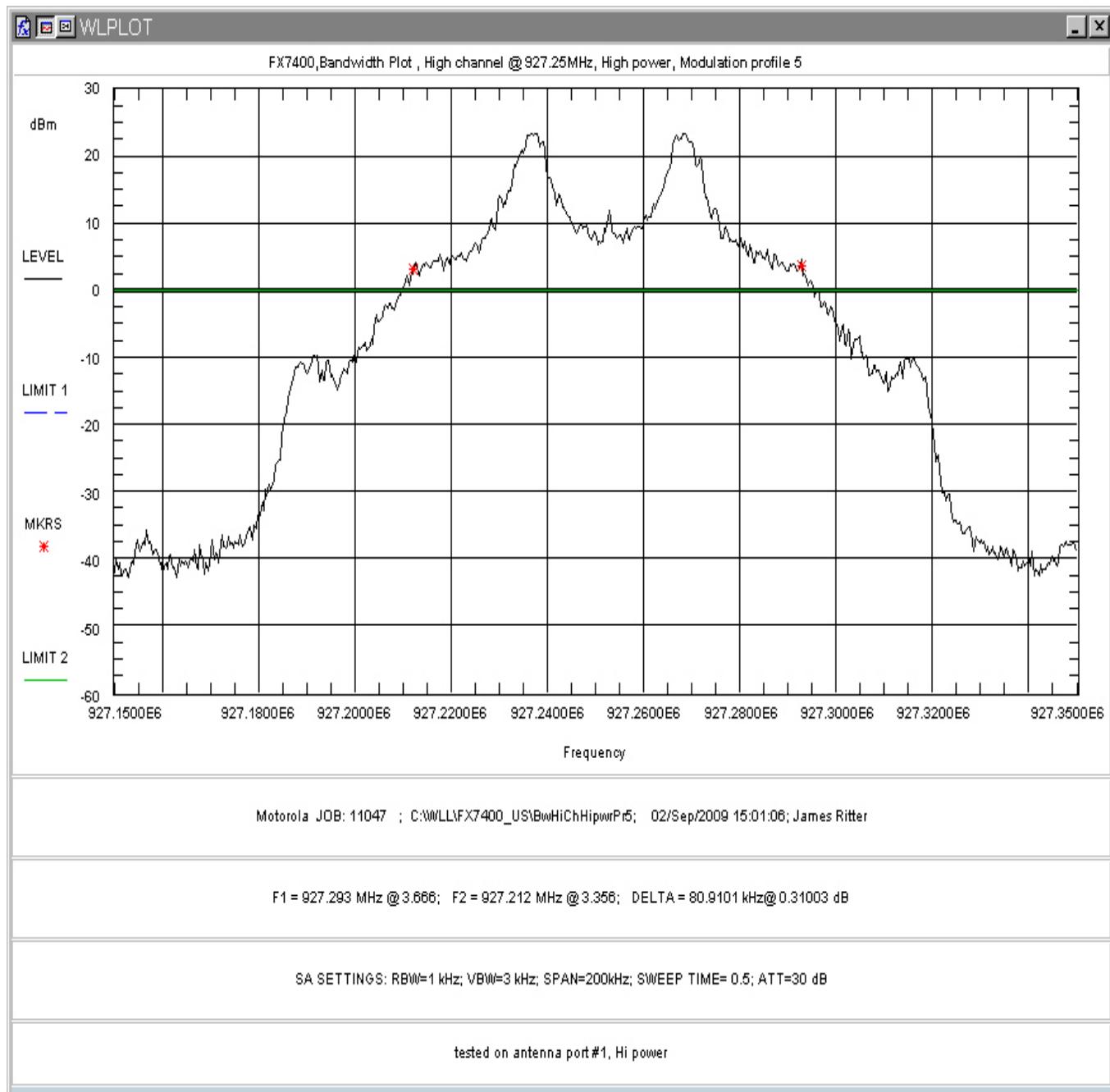


Figure 95: Occupied Bandwidth, High Channel, Modulation Profile 5

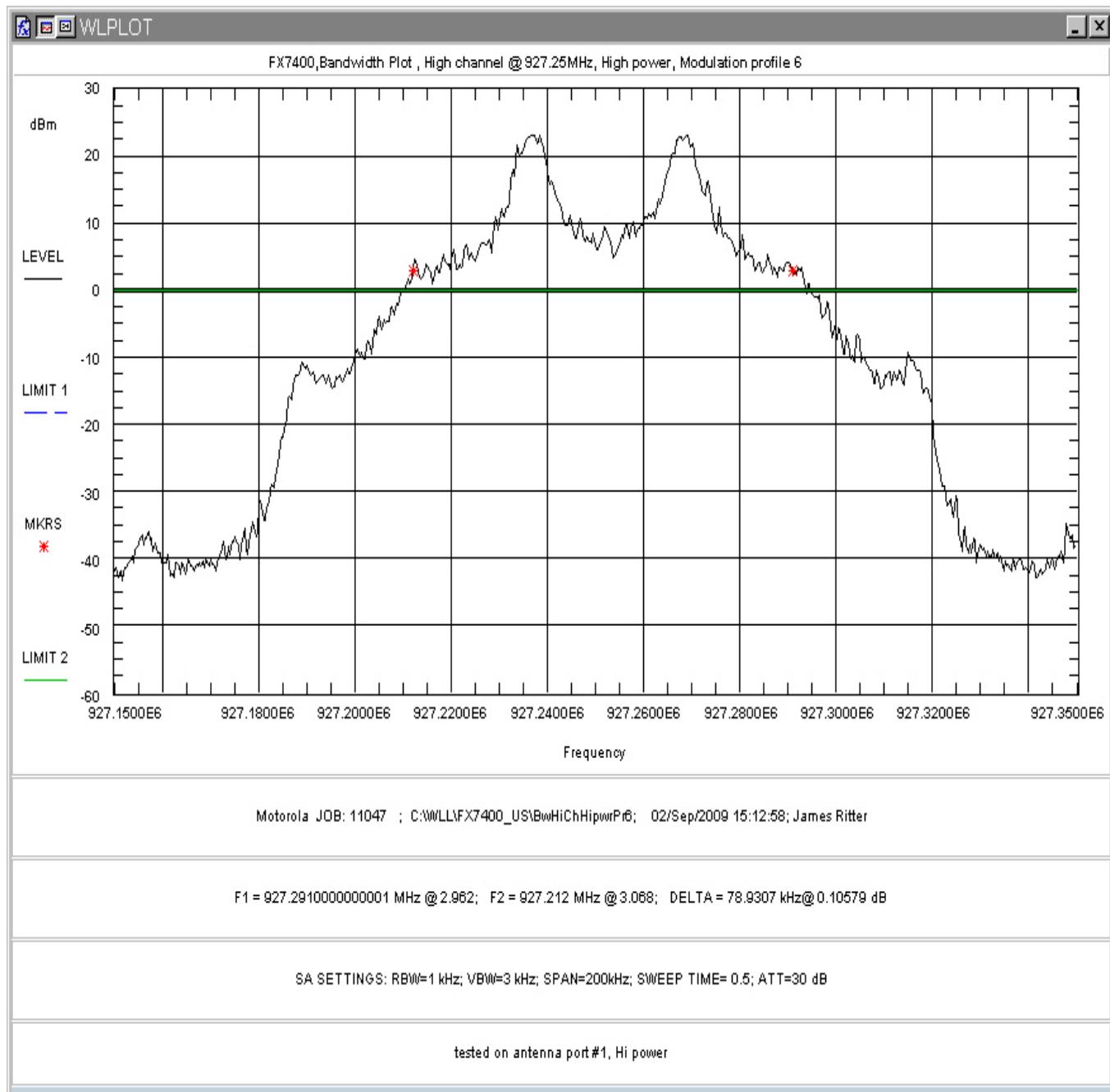


Figure 96: Occupied Bandwidth, High Channel, Modulation Profile 6

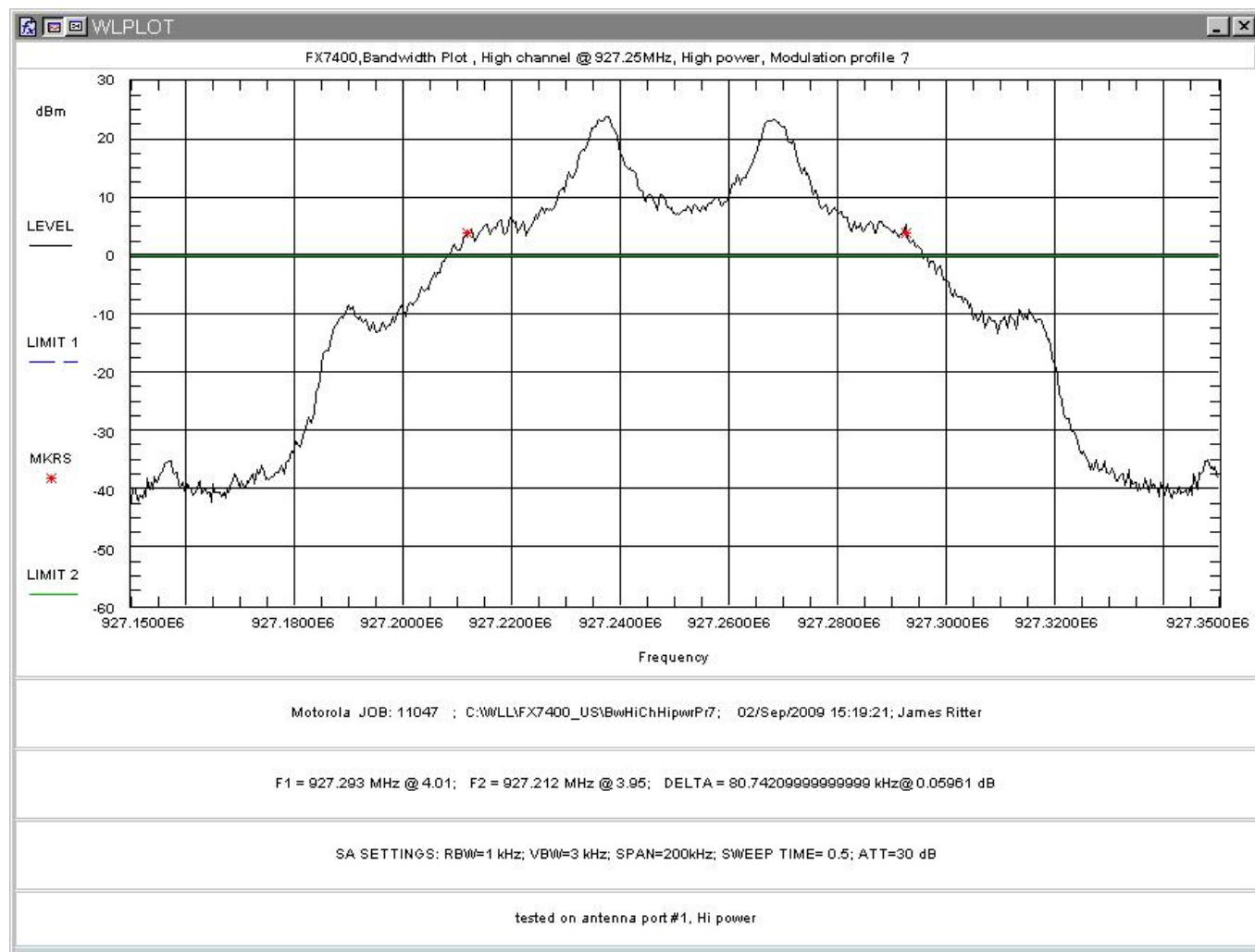


Figure 97: Occupied Bandwidth, High Channel, Modulation Profile 7

Appendix A3 Number of Hoppers and Channel Spacing Plots

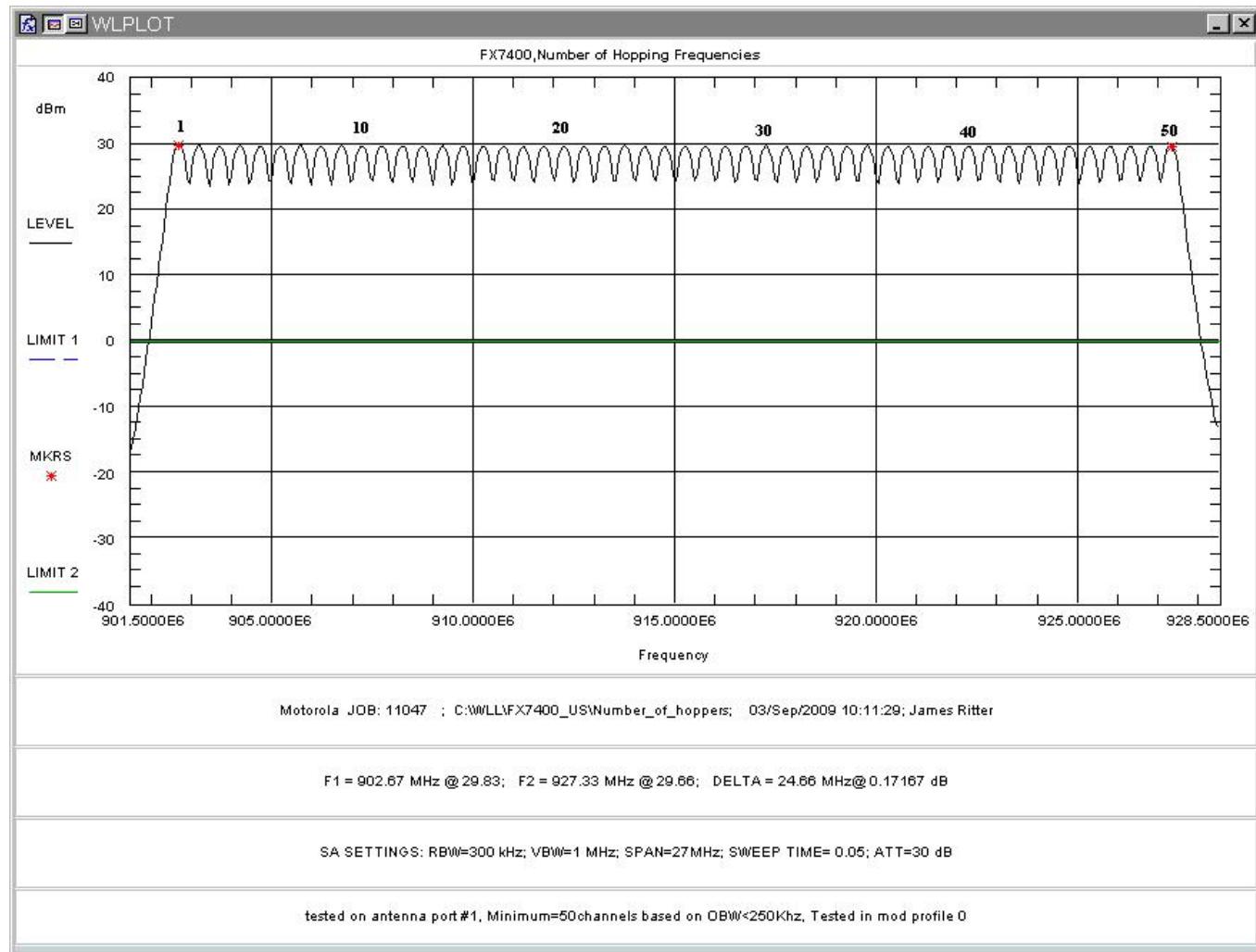


Figure 98: Number of Channels

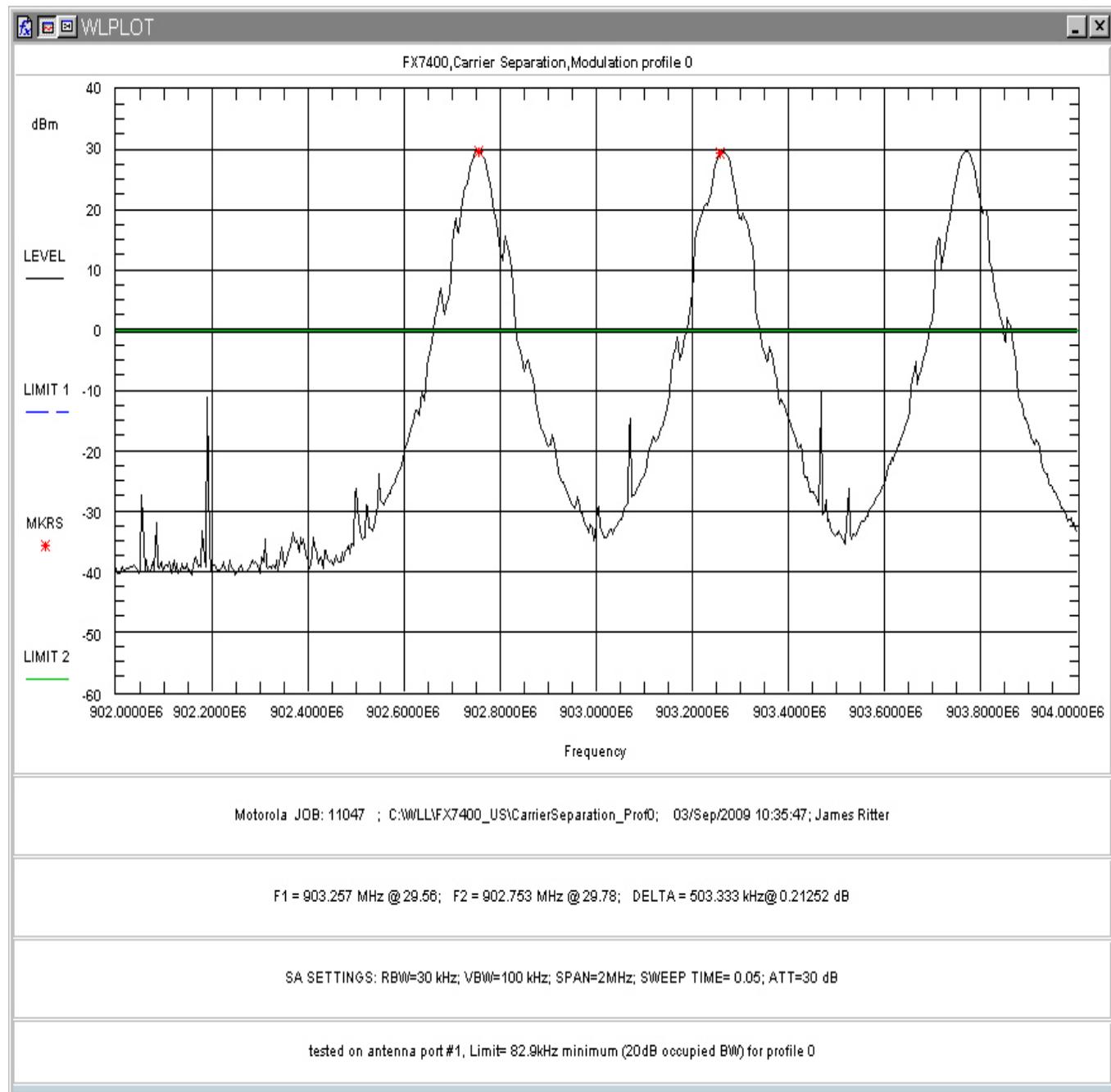


Figure 99: Channel Spacing, Modulation Profile 0

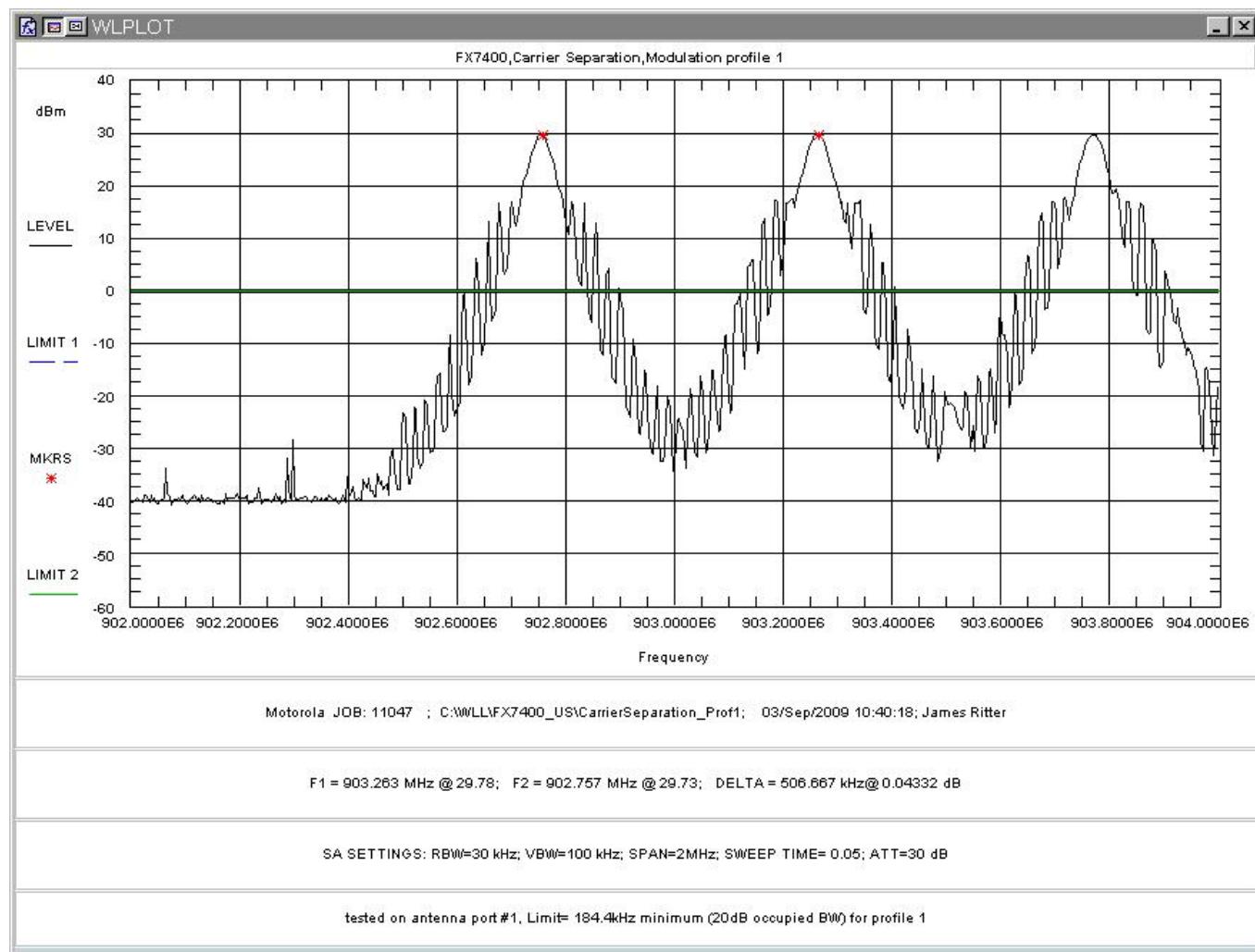


Figure 100: Channel Spacing, Modulation Profile 1

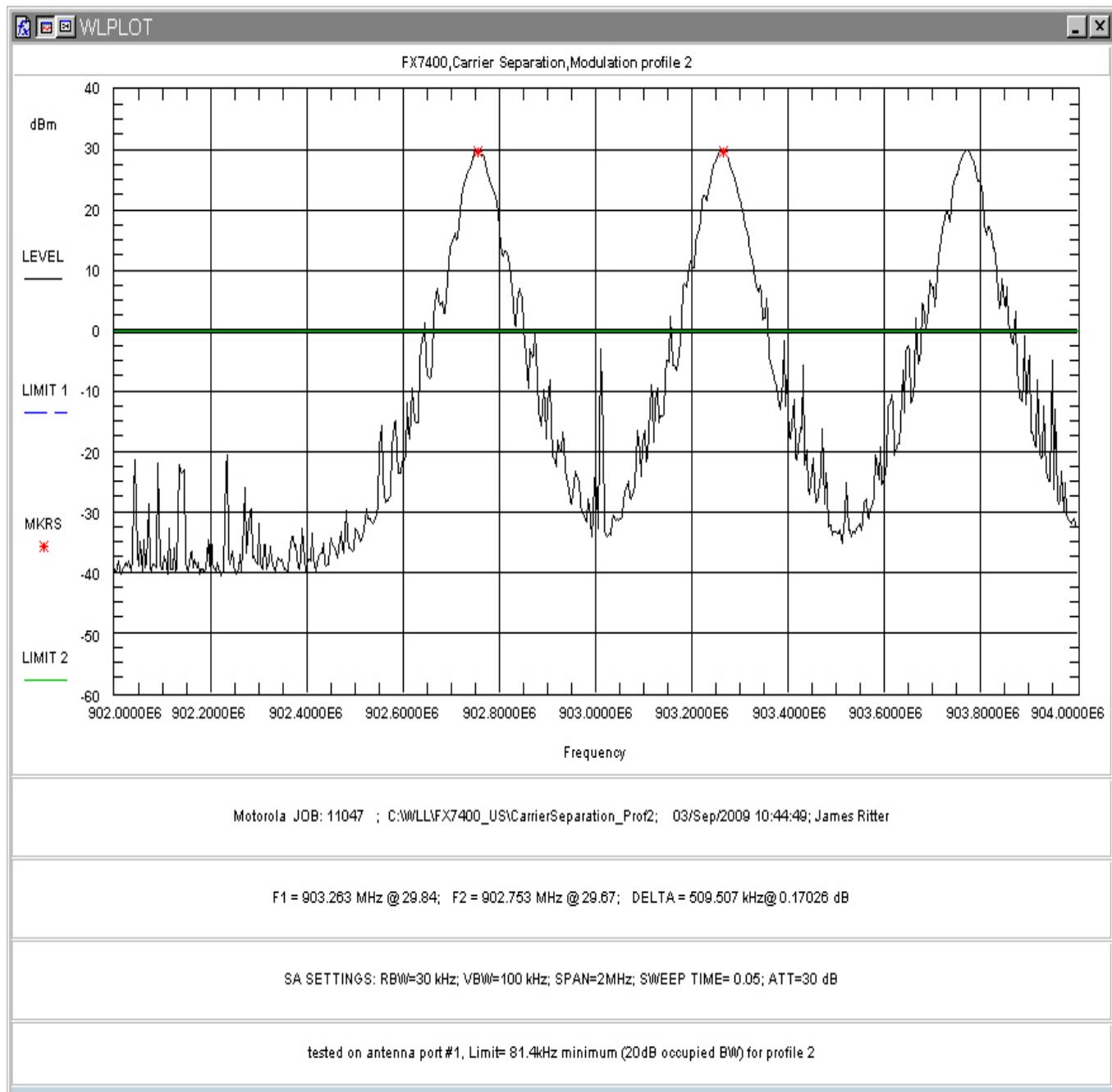


Figure 101: Channel Spacing, Modulation Profile 2

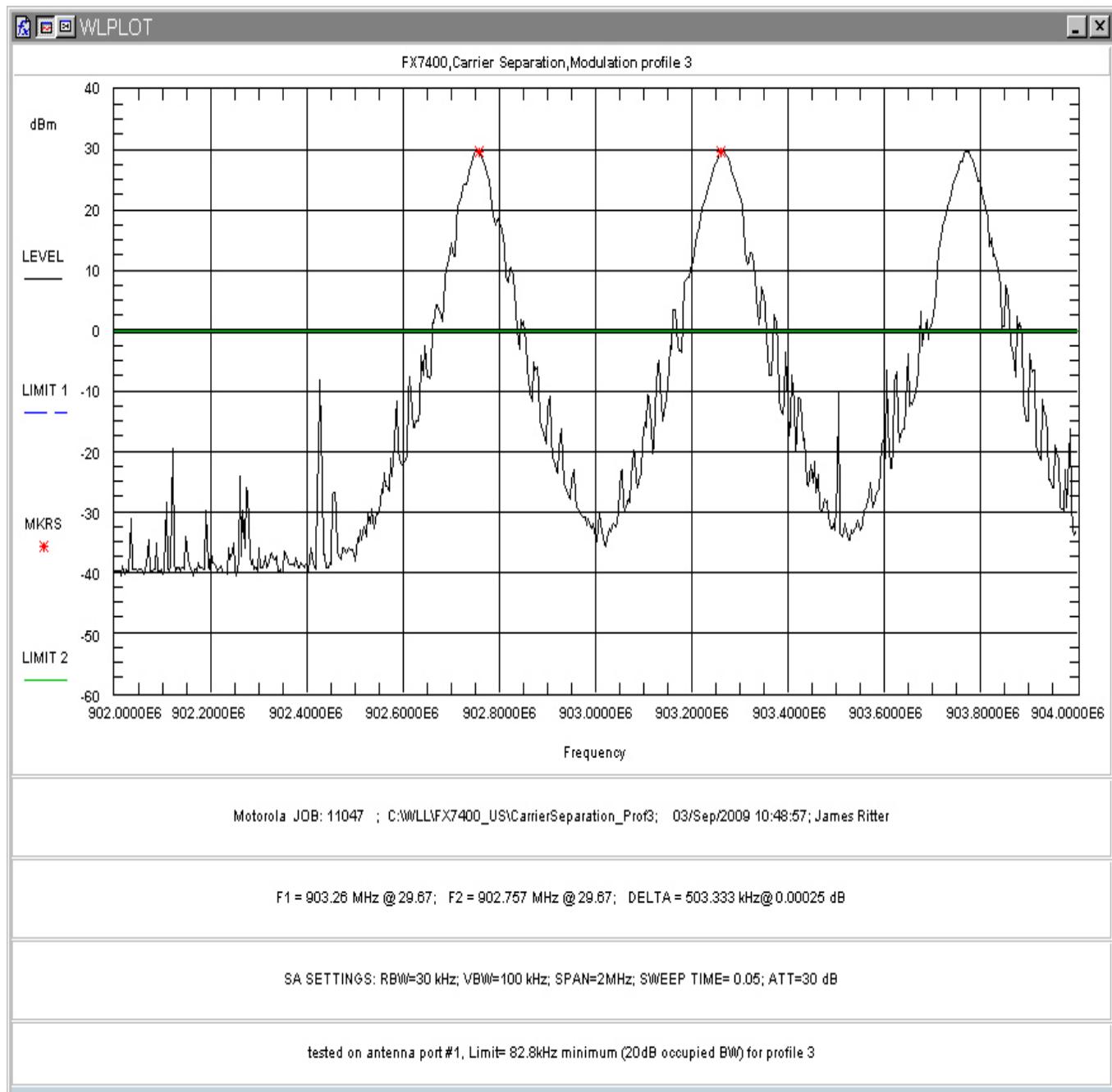


Figure 102: Channel Spacing, Modulation Profile 3

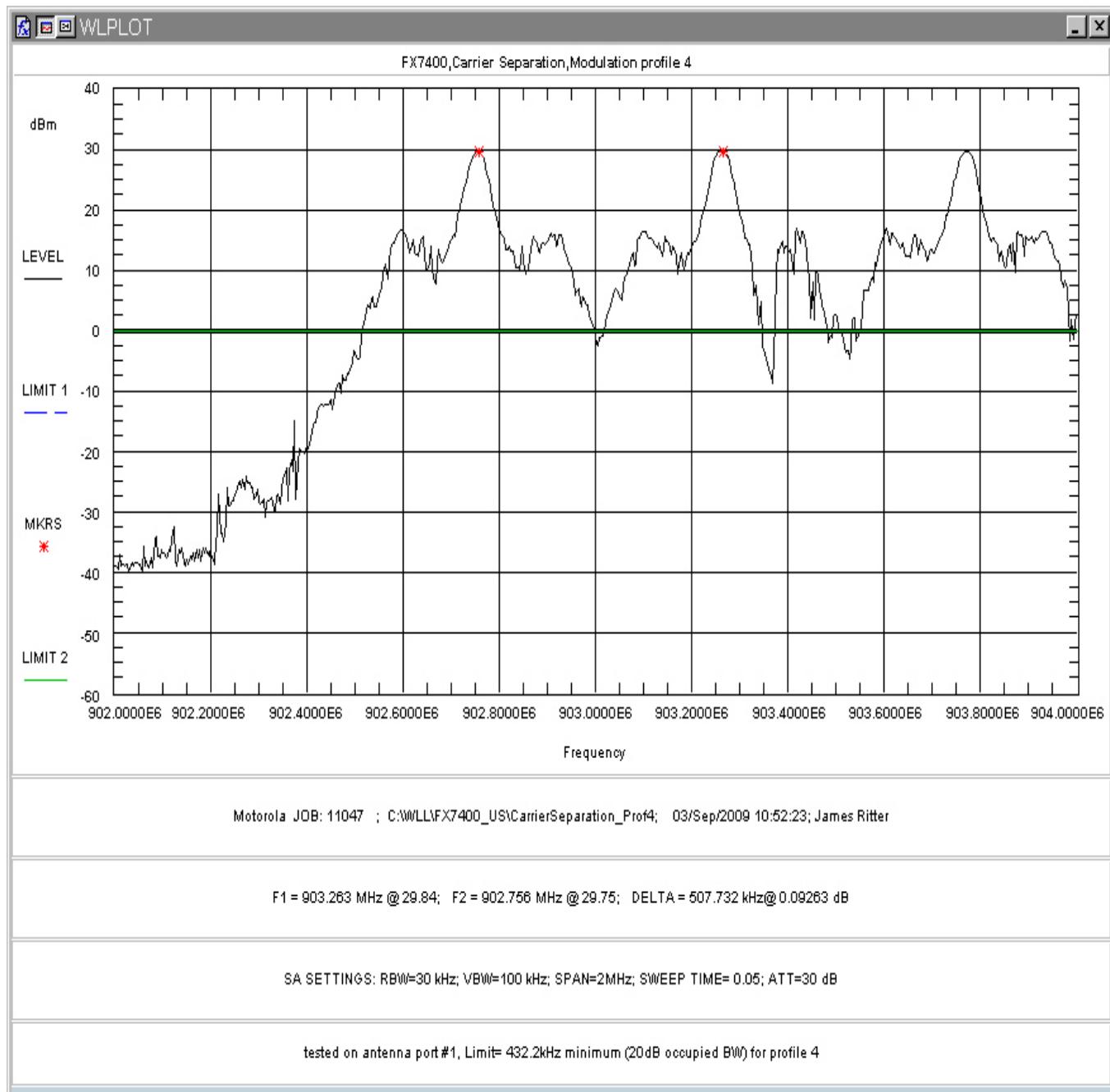


Figure 103: Channel Spacing, Modulation Profile 4

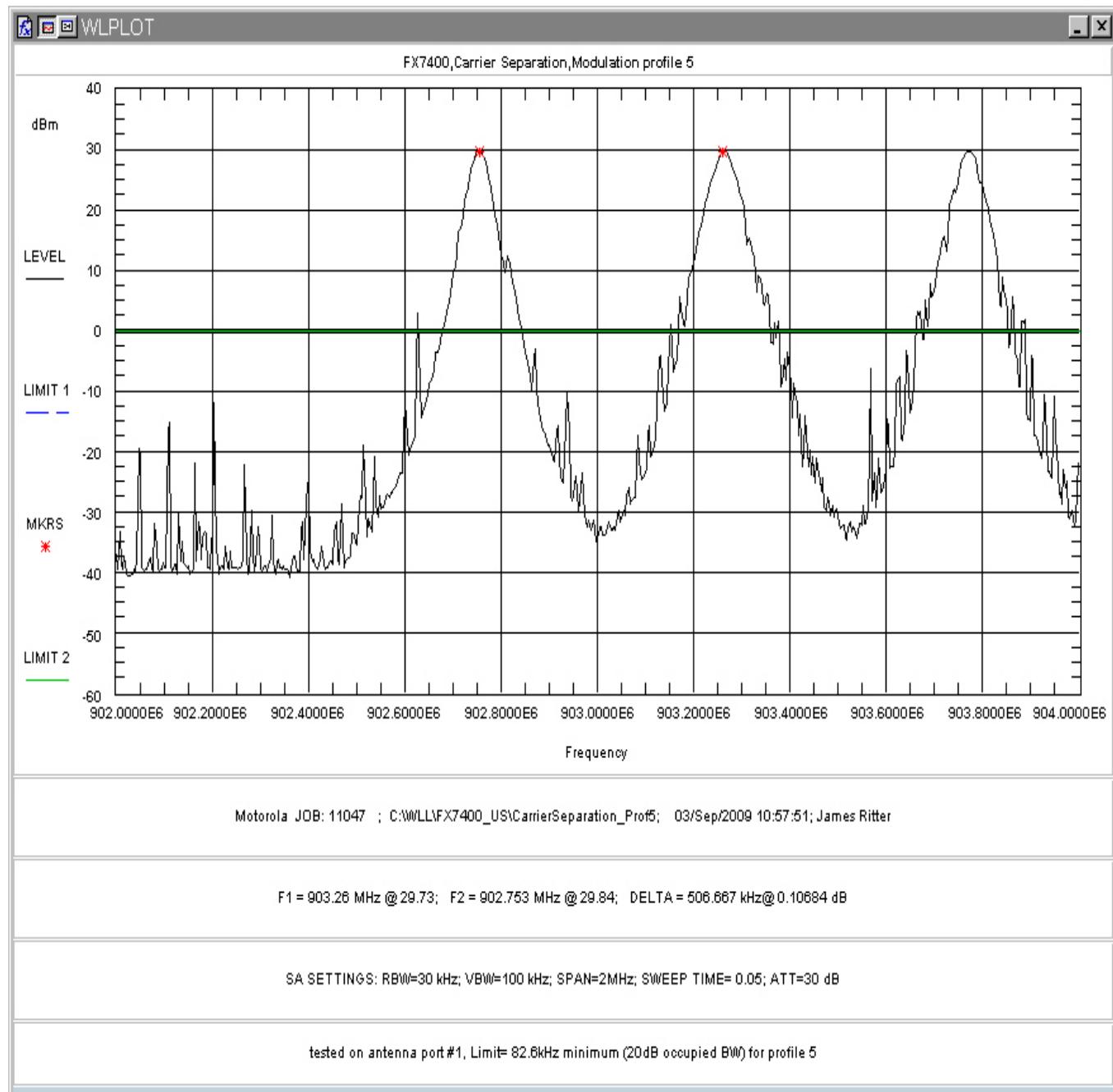


Figure 104: Channel Spacing, Modulation Profile 5

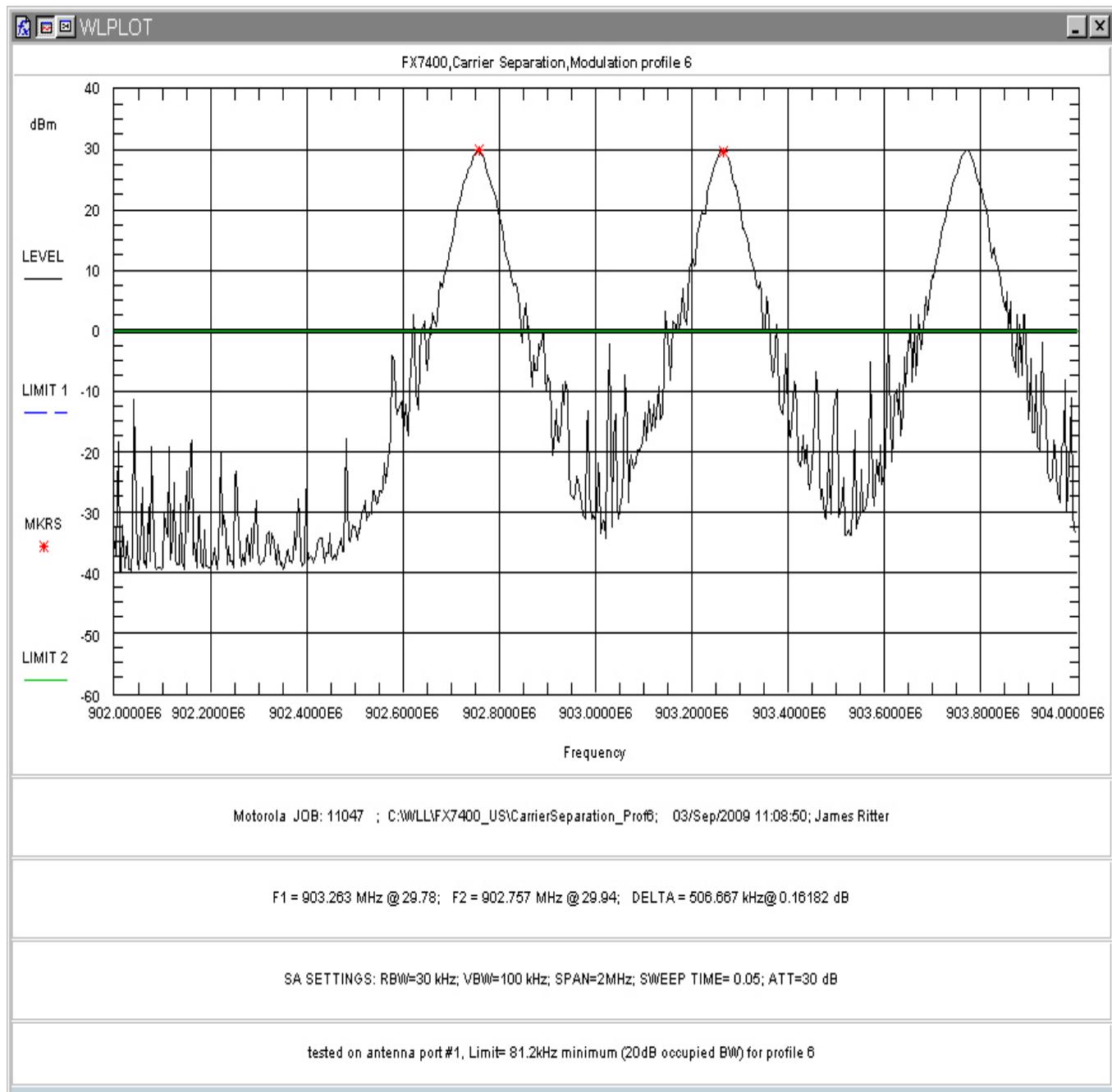


Figure 105: Channel Spacing, Modulation Profile 6

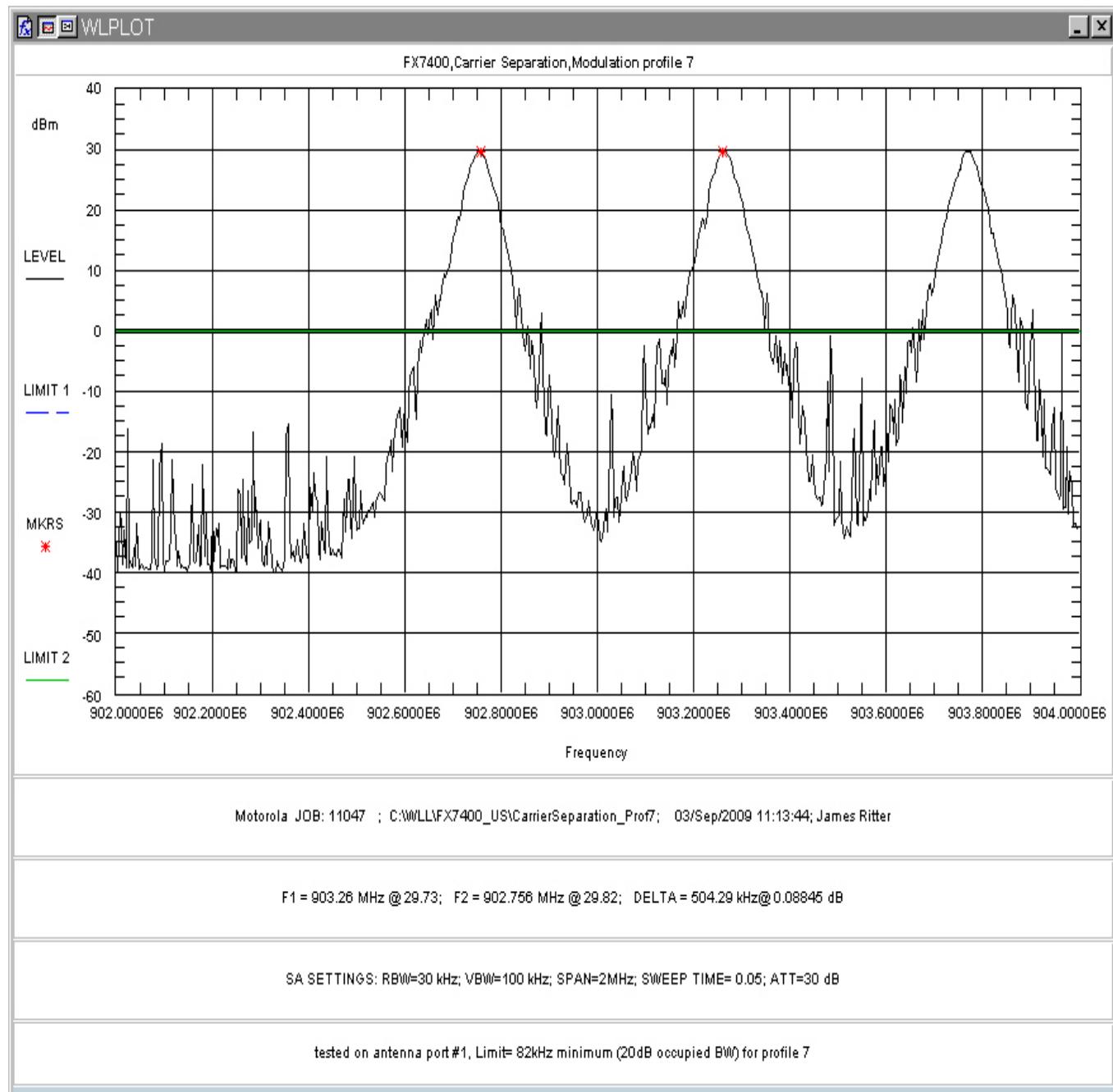


Figure 106: Channel Spacing, Modulation Profile 7

Appendix A4 Time of Occupancy Plots

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Off time between pulses in transmit pulse train =8.3ms Profile 0**

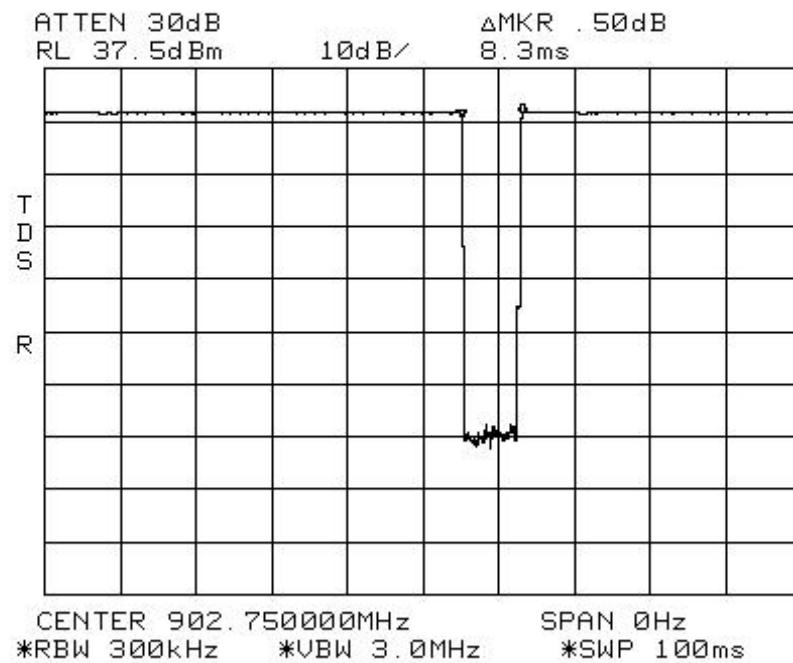


Figure 107: Time of Occupancy, Off Time between data Bits, data Profile 0

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Pulse train =400ms (off time included) Duration,
Off time between pulses =8.3ms (from off time plot) x 6=49.8ms
Total on time per transmission =400ms - 49.8ms =350.2ms Profile 0

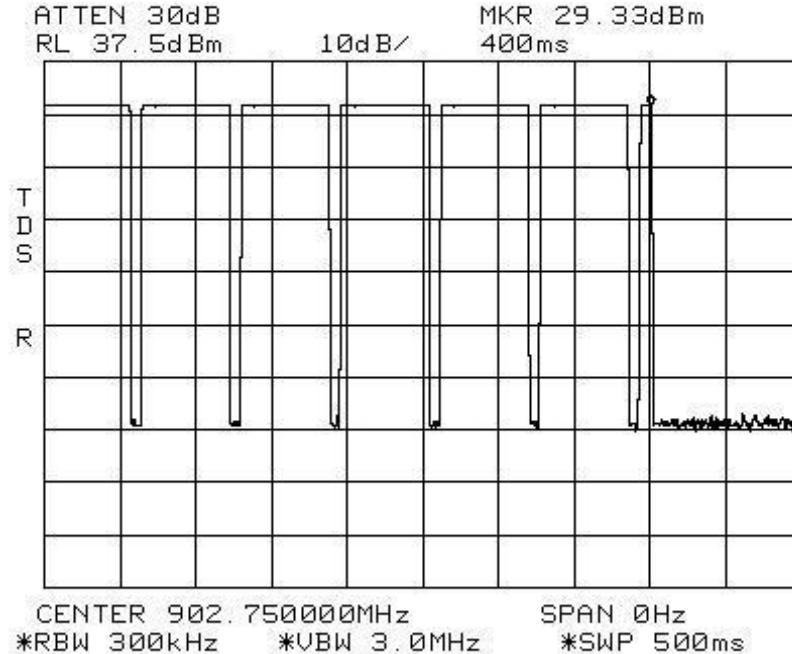


Figure 108: Time of Occupancy, On time per pulse train, data Profile 0

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Total on time per transmission = 350.2ms
Limit=400ms per 20 Sec., Measured = 1 pulse per 20 Sec@350.2ms= 350.2ms total Profile 0

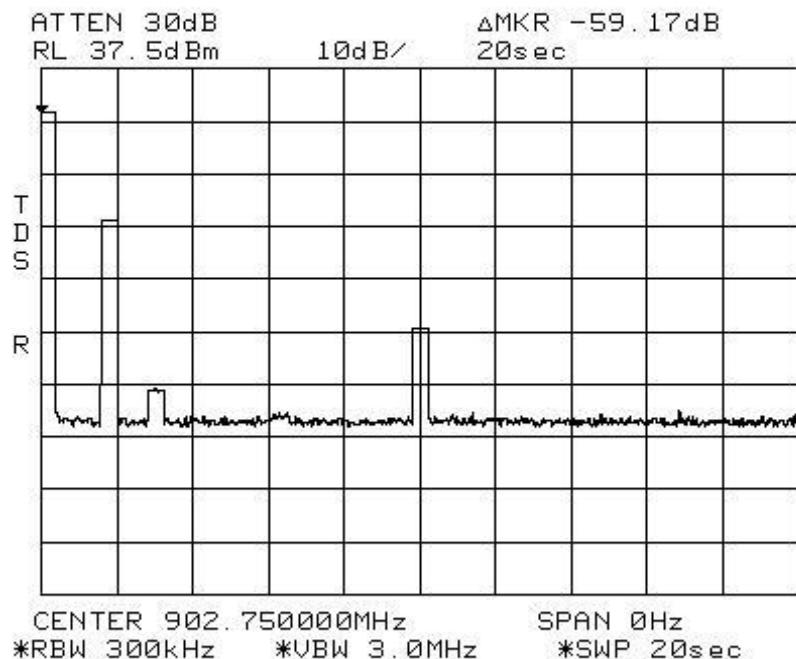


Figure 109: Time of Occupancy, On Time Per 20 Sec., data Profile 0

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Off time between pulses in transmit pulse train = 10ms Profile 1**

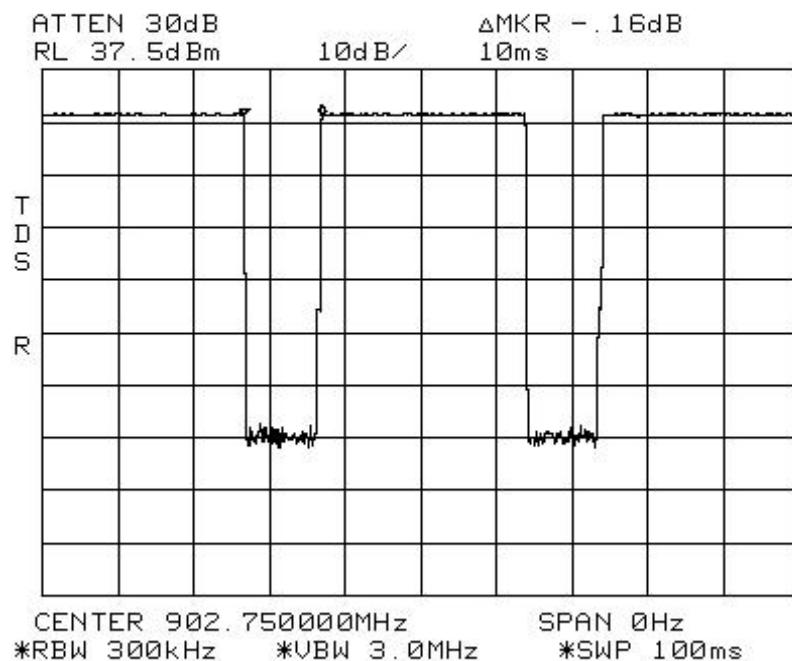


Figure 110: Time of Occupancy, Off Time between data Bits, data Profile 1

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Pulse train =400ms (off time included) Duration.
Off time between pulses =10ms (from off time plot) x 11 = 110ms
Total on time per transmission = 400ms - 110ms= 290ms, Profile 1**

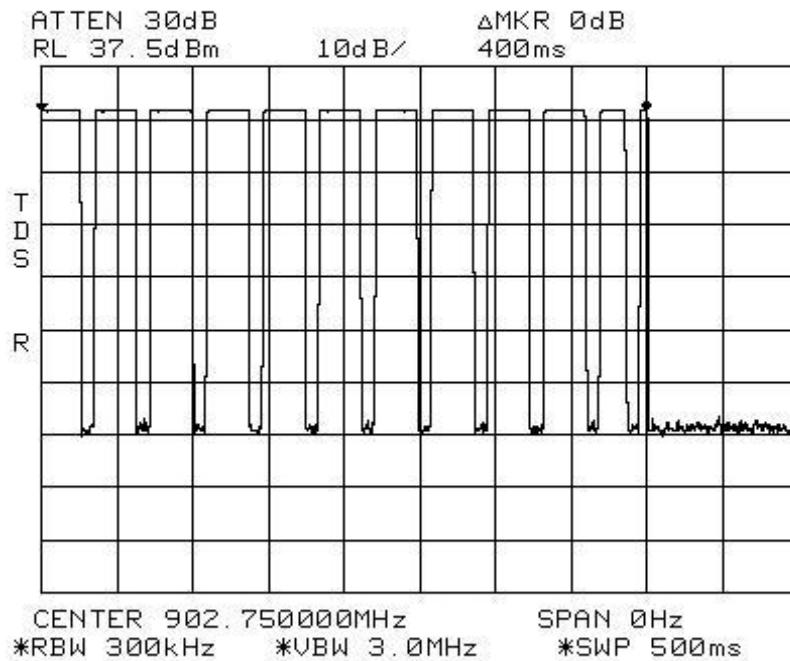


Figure 111: Time of Occupancy, On time per pulse train, data Profile 1

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Total on time per transmission = 290ms
Limit=400ms per 20Sec., Measured = 1pulse per 20sec@ 290ms=290ms total, Profile 1

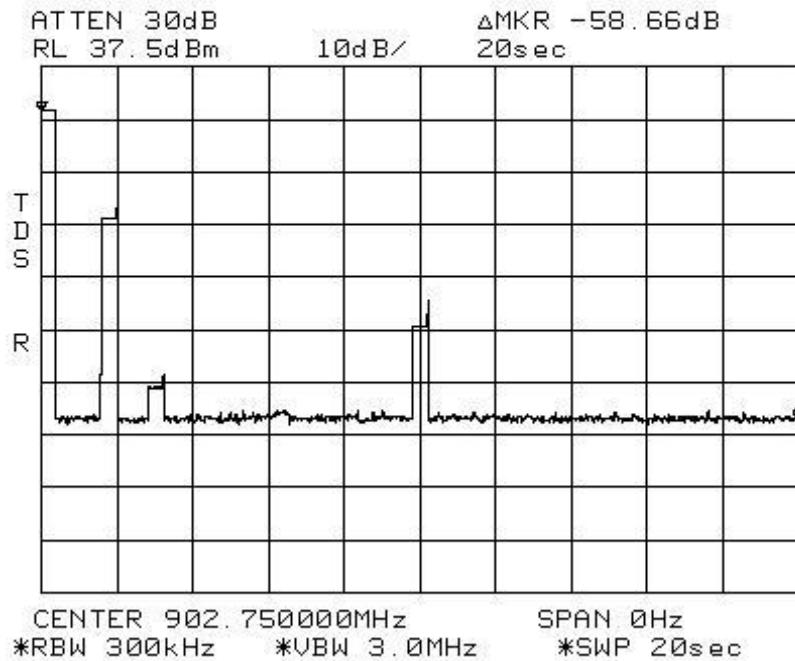


Figure 112: Time of Occupancy, On Time Per 20 Sec., data Profile 1

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Off time between pulses in transmit pulse train =8.3ms Profile 2**

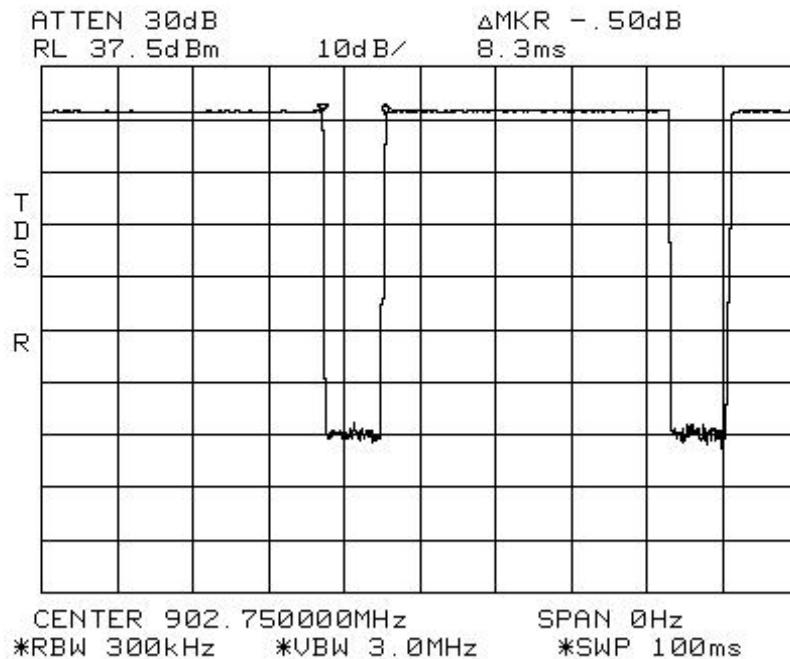


Figure 113: Time of Occupancy, Off Time between data Bits, data Profile 2

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Pulse train =400ms (off time included) Duration,
Off time between pulses =8.3ms (from off time plot) x 9 =74.7ms
Total on time per transmission = 400ms - 74.7ms = 325.3ms Profile 2**

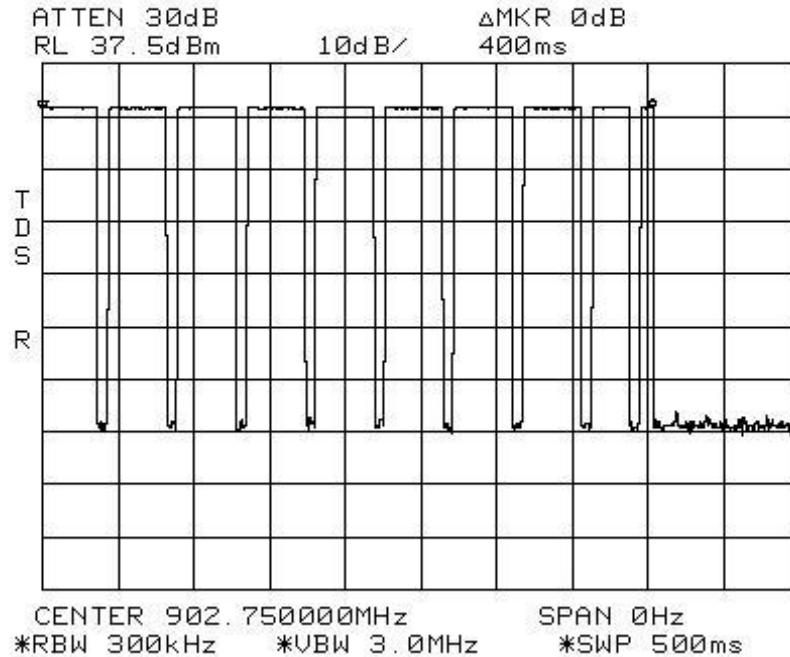


Figure 114: Time of Occupancy, On time per pulse train, data Profile 2

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Total on time per transmission = 325.3ms
Limit=400ms per 20 Sec., Measured = 1 pulse per 20 Sec@325.3ms = 325ms total Profile 2

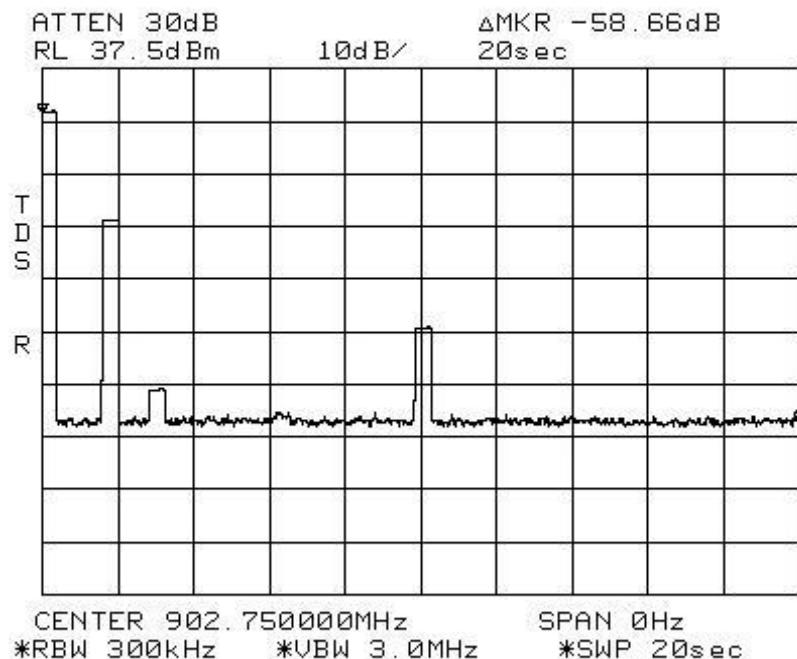


Figure 115: Time of Occupancy, On Time Per 20 Sec., data Profile 2

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Off time between pulses in transmit pulse train =8.3ms Profile 3**

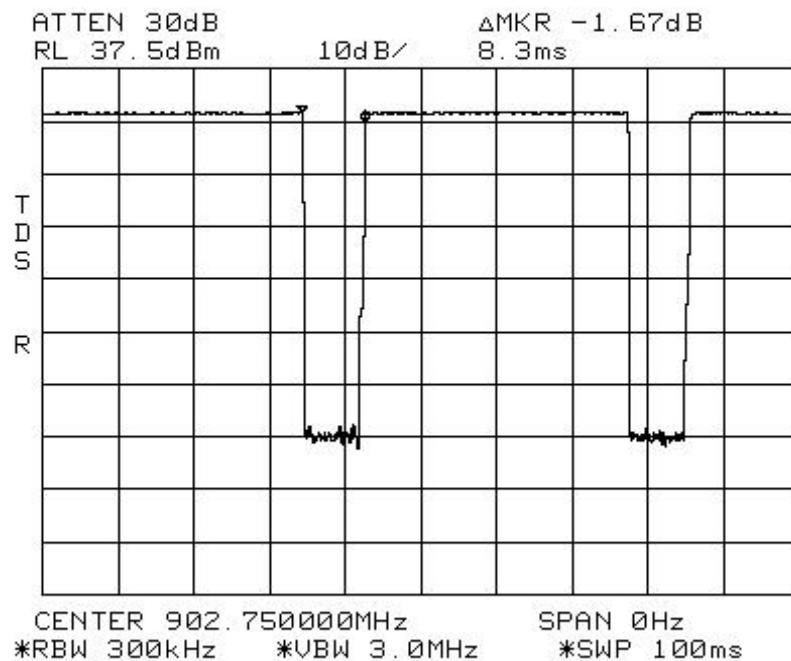


Figure 116: Time of Occupancy, Off Time between data Bits, data Profile 3

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Pulse train = 390ms Duration,
Off time between pulses = 8.3ms (from off time plot) x 9 = 74.7ms
Total on time per transmission = 390ms - 74.7ms = 315.3ms Profile 3**

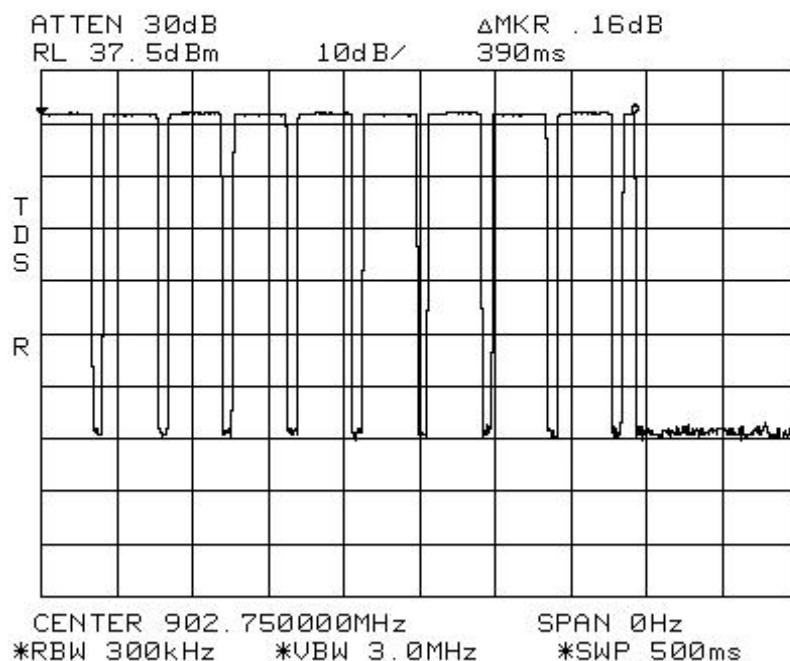


Figure 117: Time of Occupancy, On time per pulse train, data Profile 3

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,

Total on time per transmission = 315.3ms

Limit=400ms per 20 Sec., Measured = 1 pulse per 20 Sec @ 315.3ms =315.3ms total Profile 3

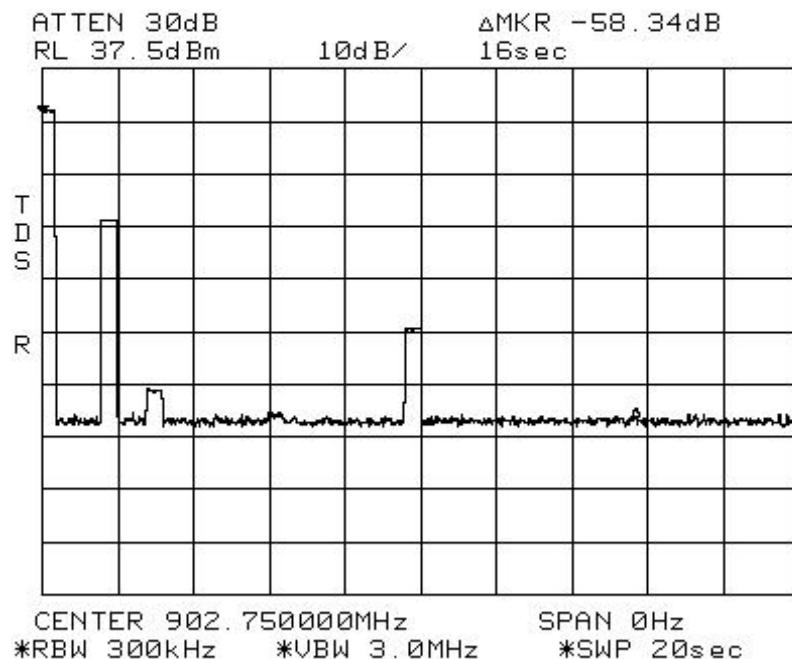


Figure 118: Time of Occupancy, On Time Per 20 Sec., data Profile 3

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Off time between pulses in transmit pulse train =8.3ms Profile 4**

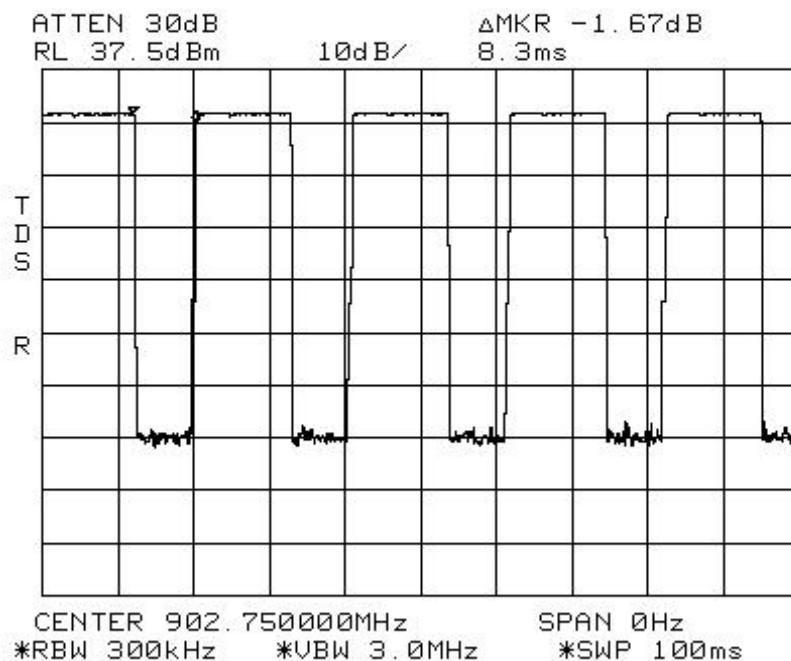


Figure 119: Time of Occupancy, Off Time between data Bits, data Profile 4

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Pulse train = 400ms Duration
Off time between pulses = 8.3ms (from off time plot) x19 = 157.7ms
Total on time per transmission = 400ms - 157.7ms = 242.3ms Profile 4

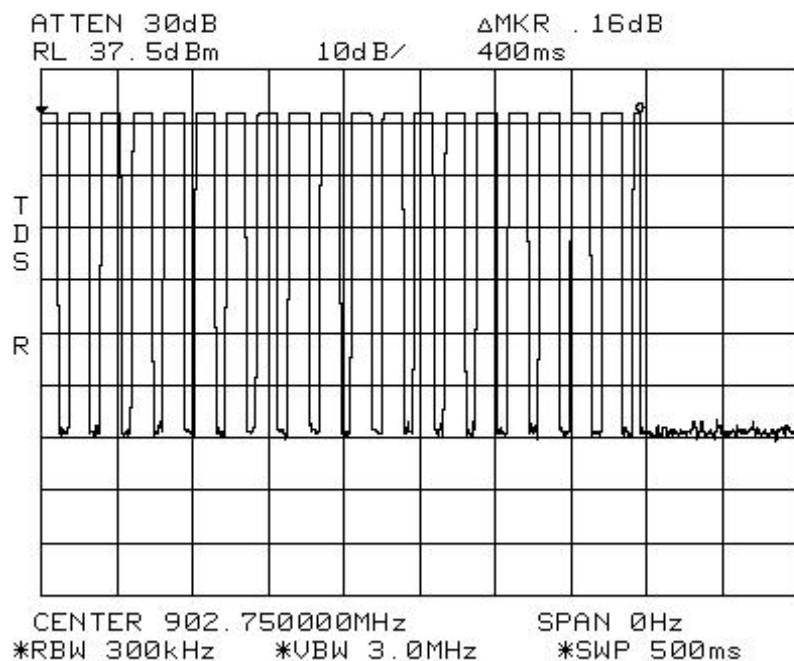


Figure 120: Time of Occupancy, On time per pulse train, data Profile 4

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Total on time per transmission = 242.3ms
Limit = 400ms per 10 sec(as this profile is >250kHz BW)
Measured = 1 pulse per 10Sec@242.3ms = 243.3ms total profile 4

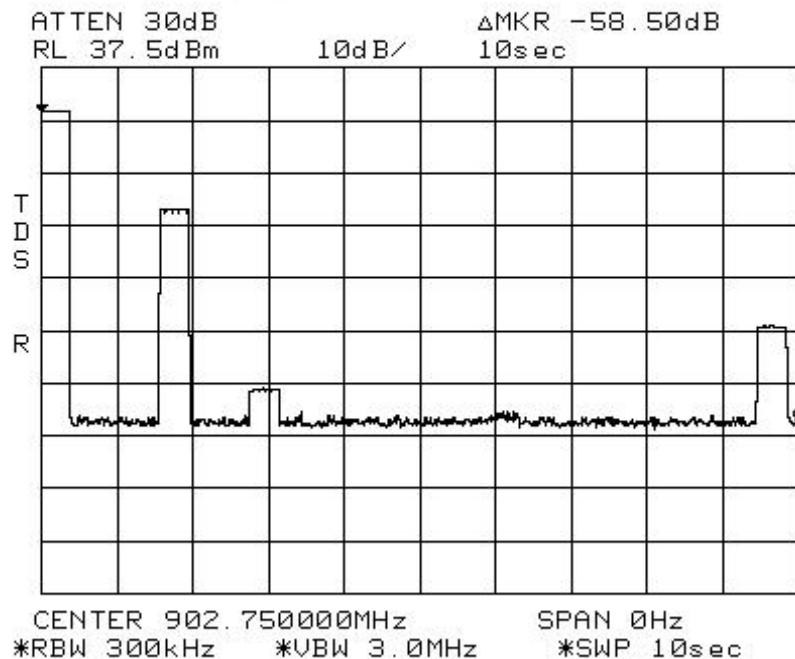


Figure 121: Time of Occupancy, On Time Per 10 Sec., data Profile 4

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Off time between pulses in transmit pulse train =8.3ms Profile 5**

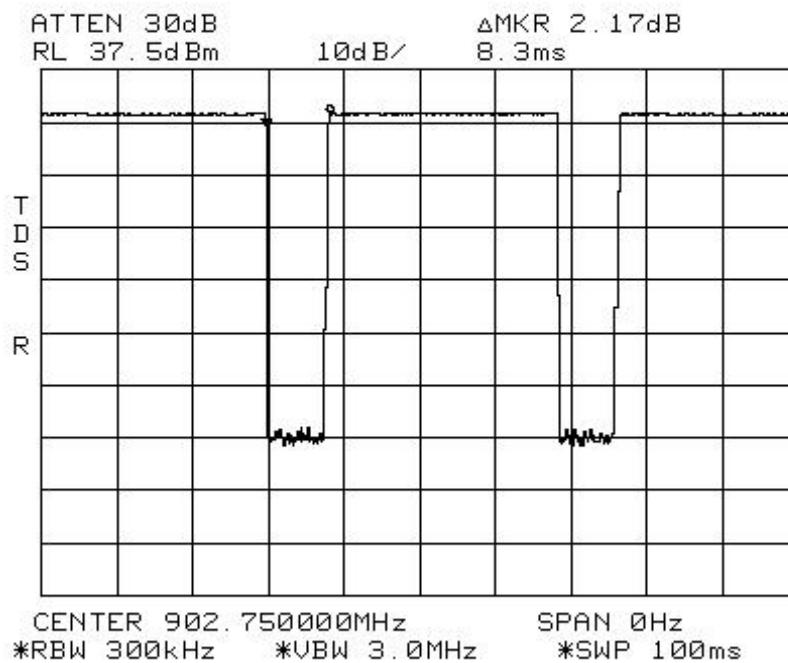


Figure 122: Time of Occupancy, Off Time between data Bits, data Profile 5

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Pulse train = 390ms Duration,
Off time between pulses = 8.3ms (from off time plot) x 10 = 83ms
Total on time per transmission = 390ms - 83ms = 307ms Profile 5

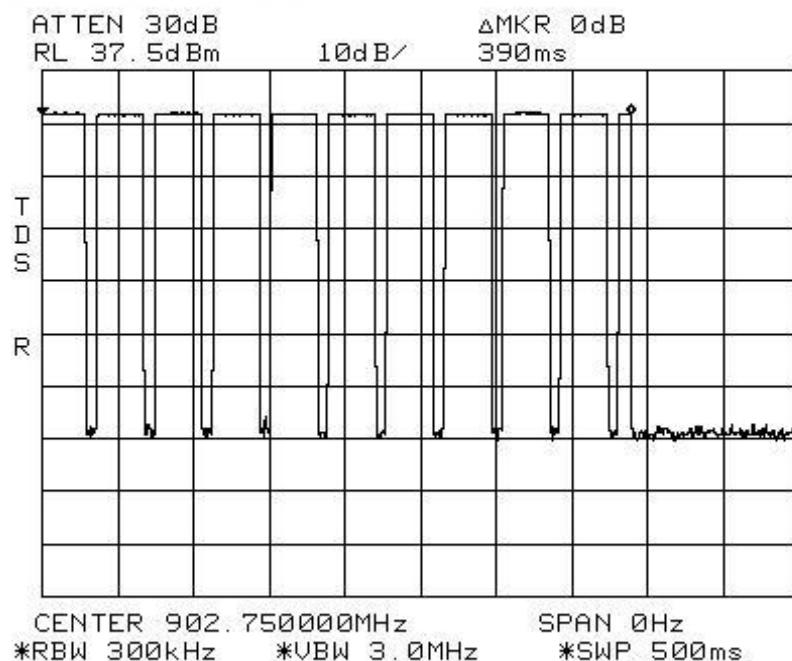


Figure 123: Time of Occupancy, On time per pulse train, data Profile 5

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Total on time per transmission = 390ms - 83ms = 307ms
Limit=400ms per 20 Sec., Measured = 1 pulse per 20 Sec@ 307ms =307ms total Profile 5

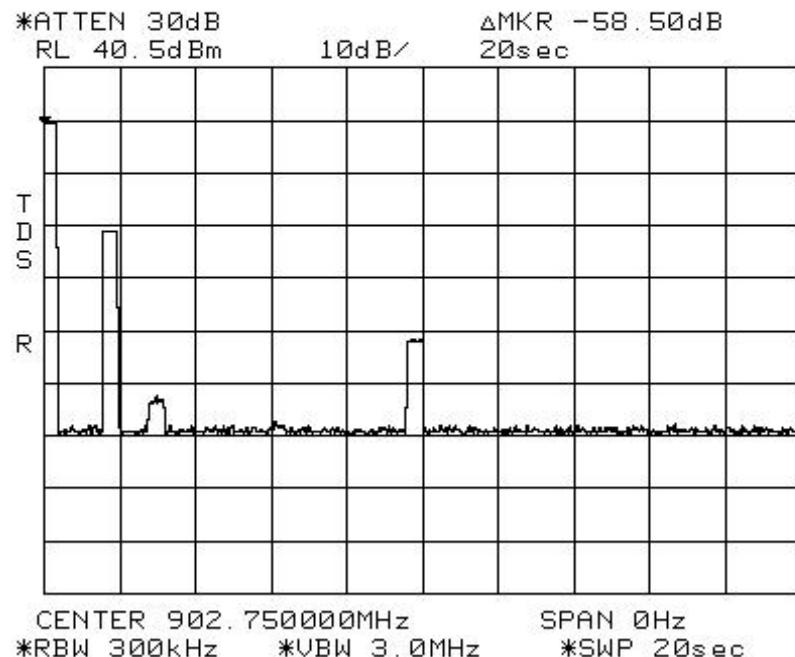


Figure 124: Time of Occupancy, On Time Per 20 Sec., data Profile 5

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Off time between pulses in transmit pulse train =8.3ms Profile 6**

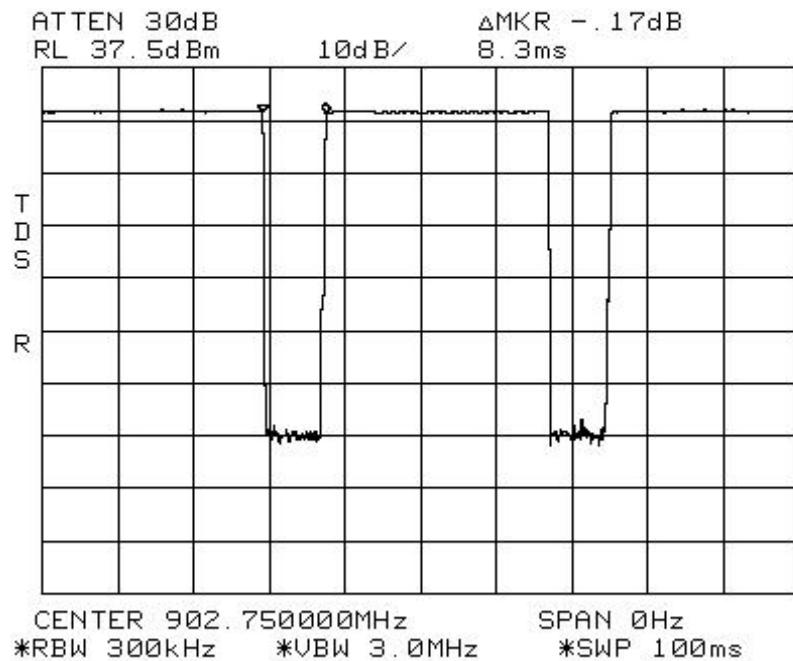


Figure 125: Time of Occupancy, Off Time between data Bits, data Profile 6

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Pulse train = 390ms Duration,
Off time between pulses = 8.3ms (from off time plot) x 10 =83ms
Total on time per transmission = 390ms - 83ms=307ms Profile 6**

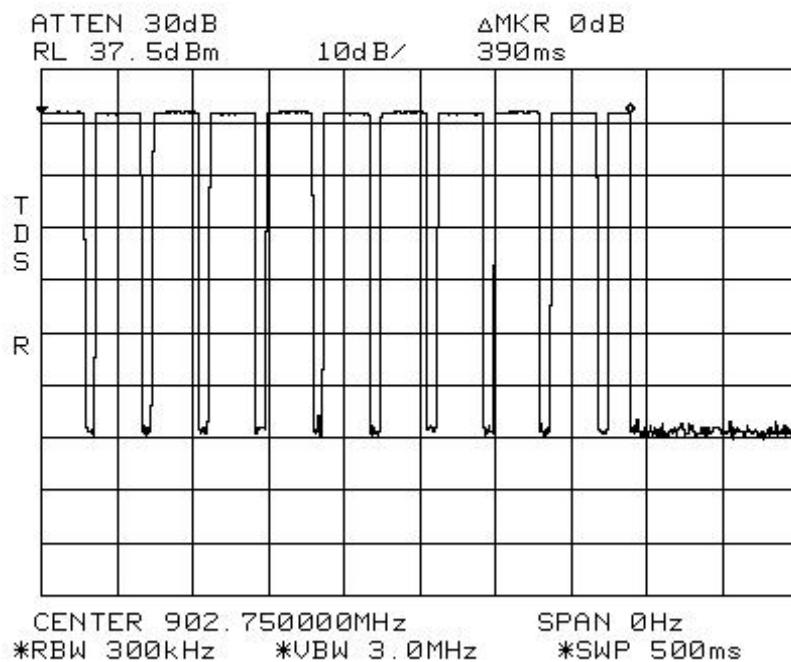


Figure 126: Time of Occupancy, On time per pulse train, data Profile 6

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Total on time per transmission = 307ms
Limit=400ms per 20 Sec., Measured = 1 pulse per 20 Sec@ 307ms = 307ms total Profile 6

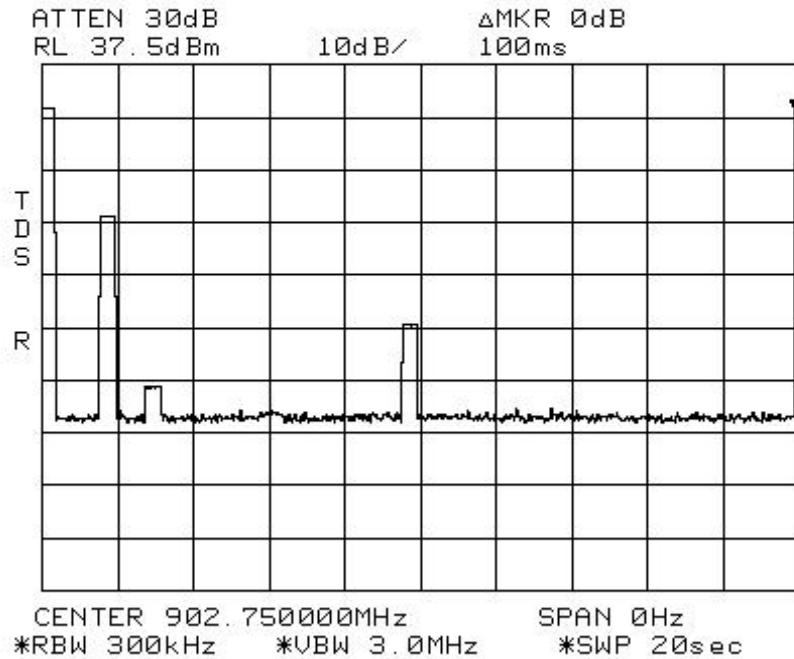


Figure 127: Time of Occupancy, On Time Per 20 Sec., data Profile 6

**Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Off time between pulses in transmit pulse train =8.3ms Profile 7**

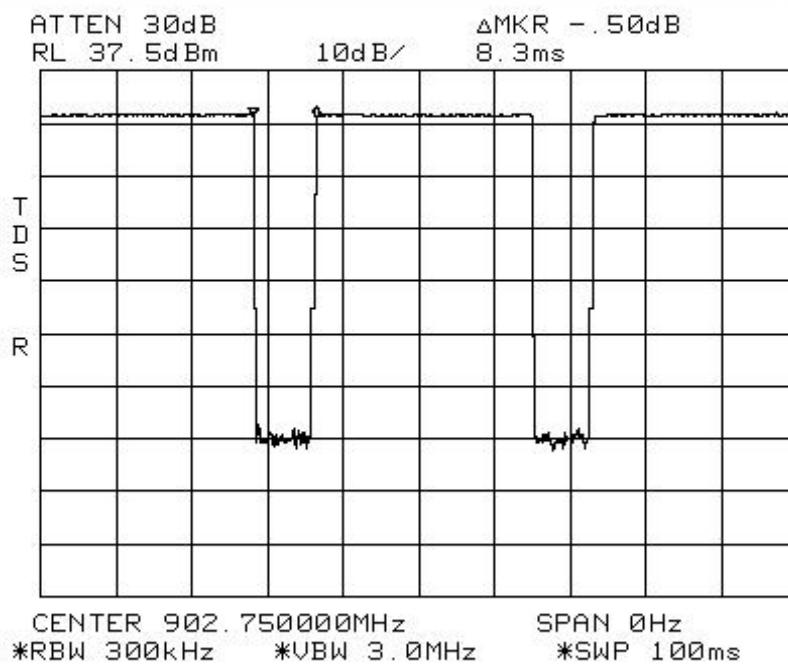


Figure 128: Time of Occupancy, Off Time between data Bits, data Profile 7

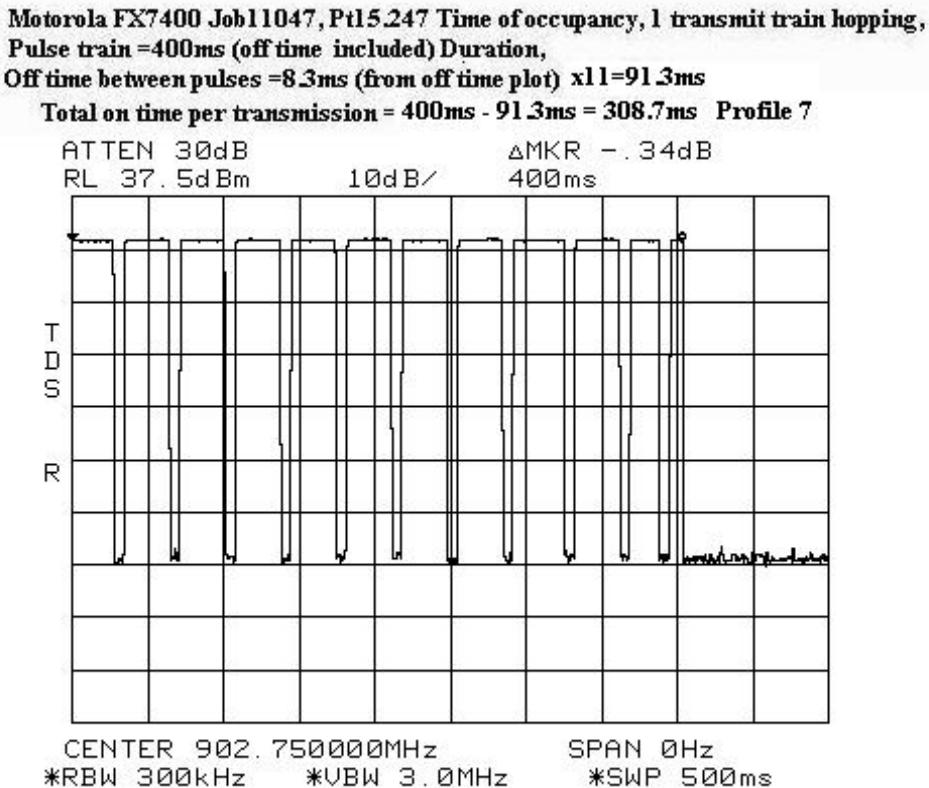


Figure 129: Time of Occupancy, On time per pulse train, data Profile 7

Motorola FX7400 Job11047, Pt15.247 Time of occupancy, 1 transmit train hopping,
Total on time per transmission = 308.7ms
Limit=400ms per 20 Sec., Measured = 1 pulse per 20 Sec@ 308.7ms = 308.7ms total Profile 7

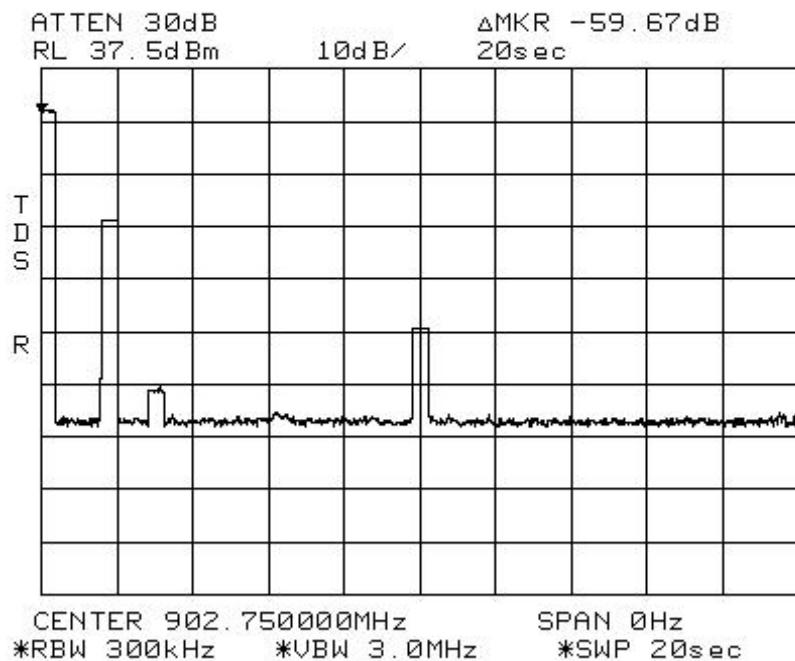


Figure 130: Time of Occupancy, On Time Per 20 Sec., data Profile 7

Appendix A5 Band-edge Plots

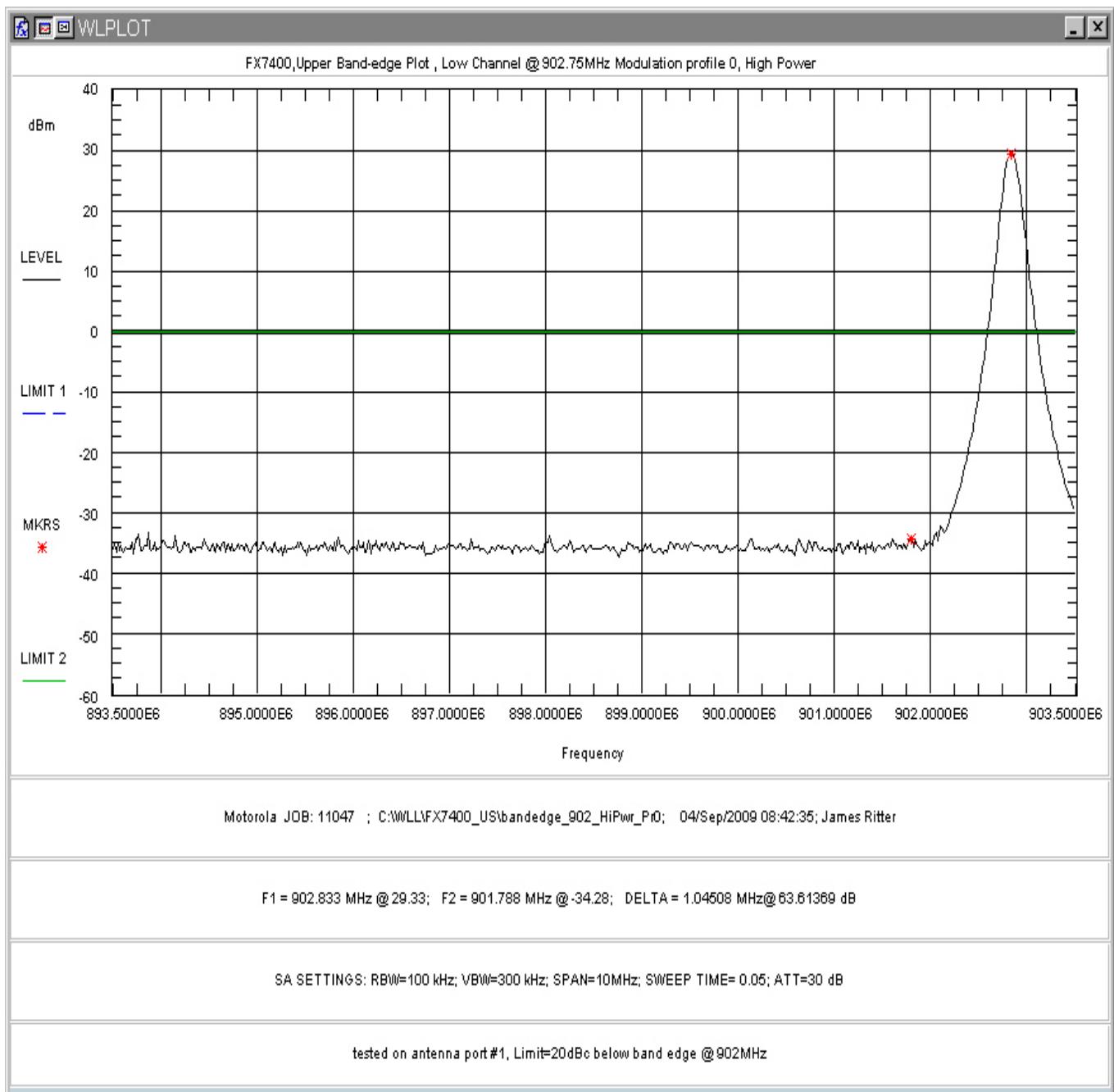


Figure 131: Low Band-edge Non-hopping, High Power, Modulation Profile 0

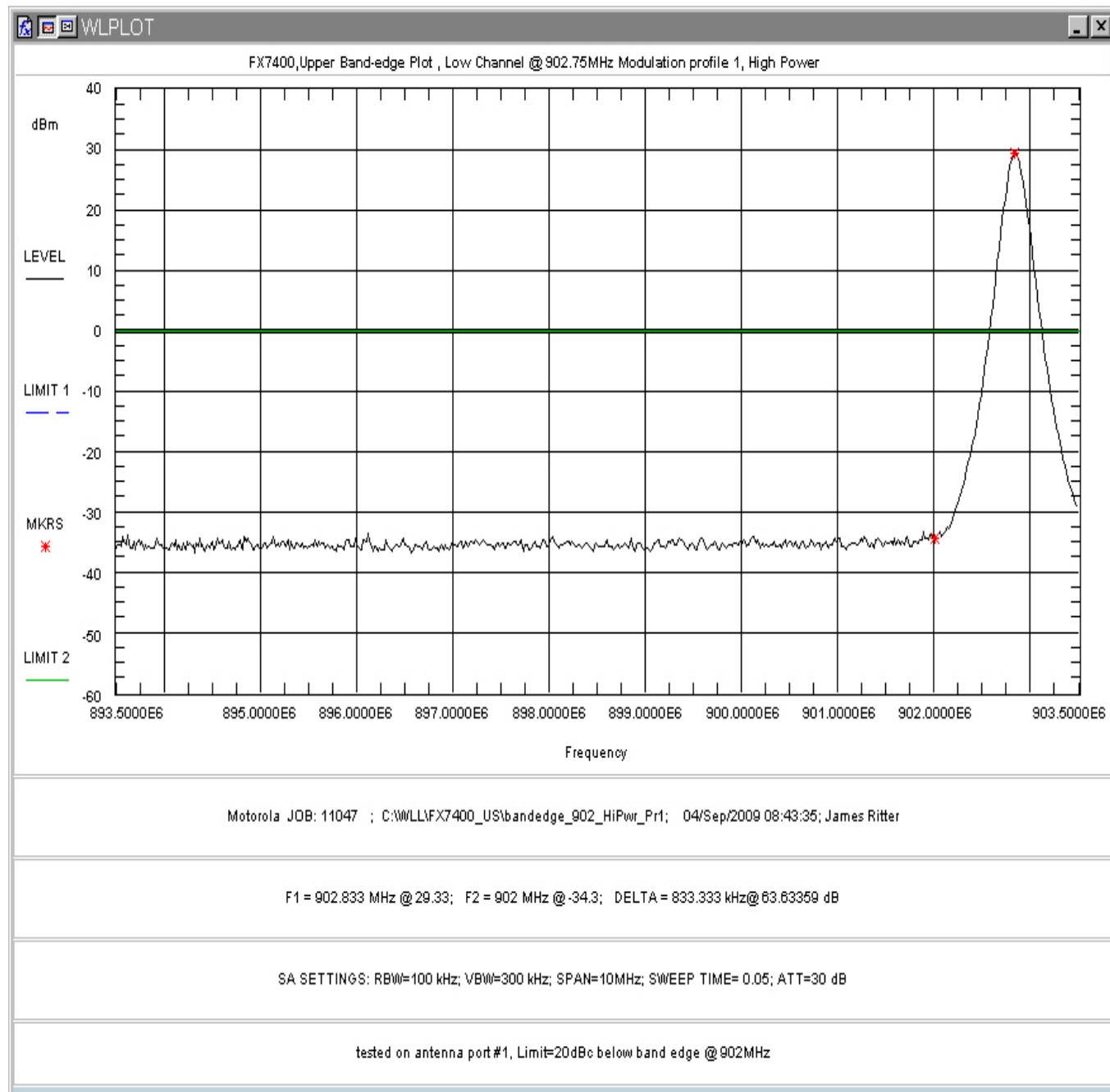


Figure 132: Low Band-edge Non-hopping, High Power, Modulation Profile 1

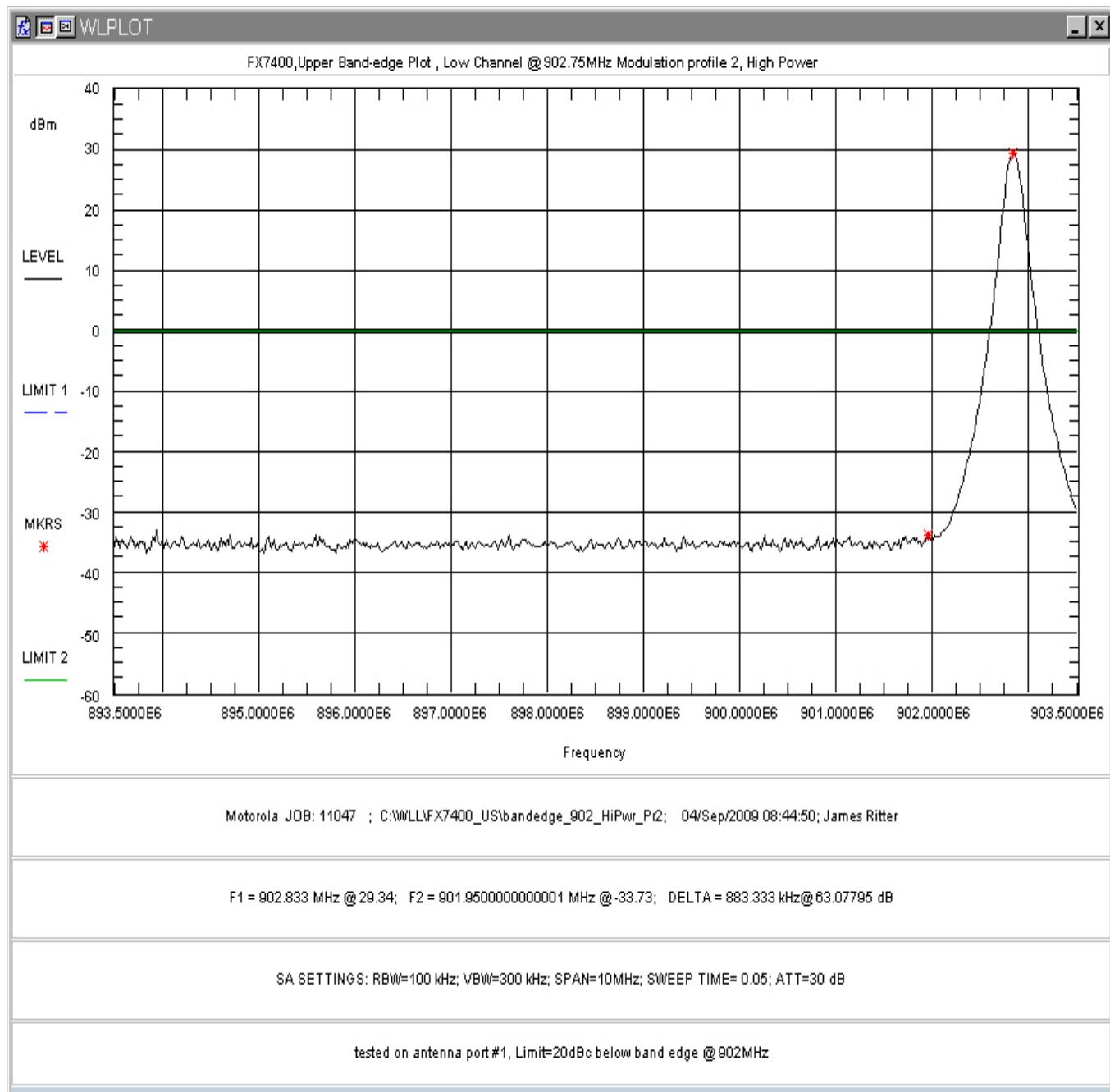


Figure 133: Low Band-edge Non-hopping, High Power, Modulation Profile 2

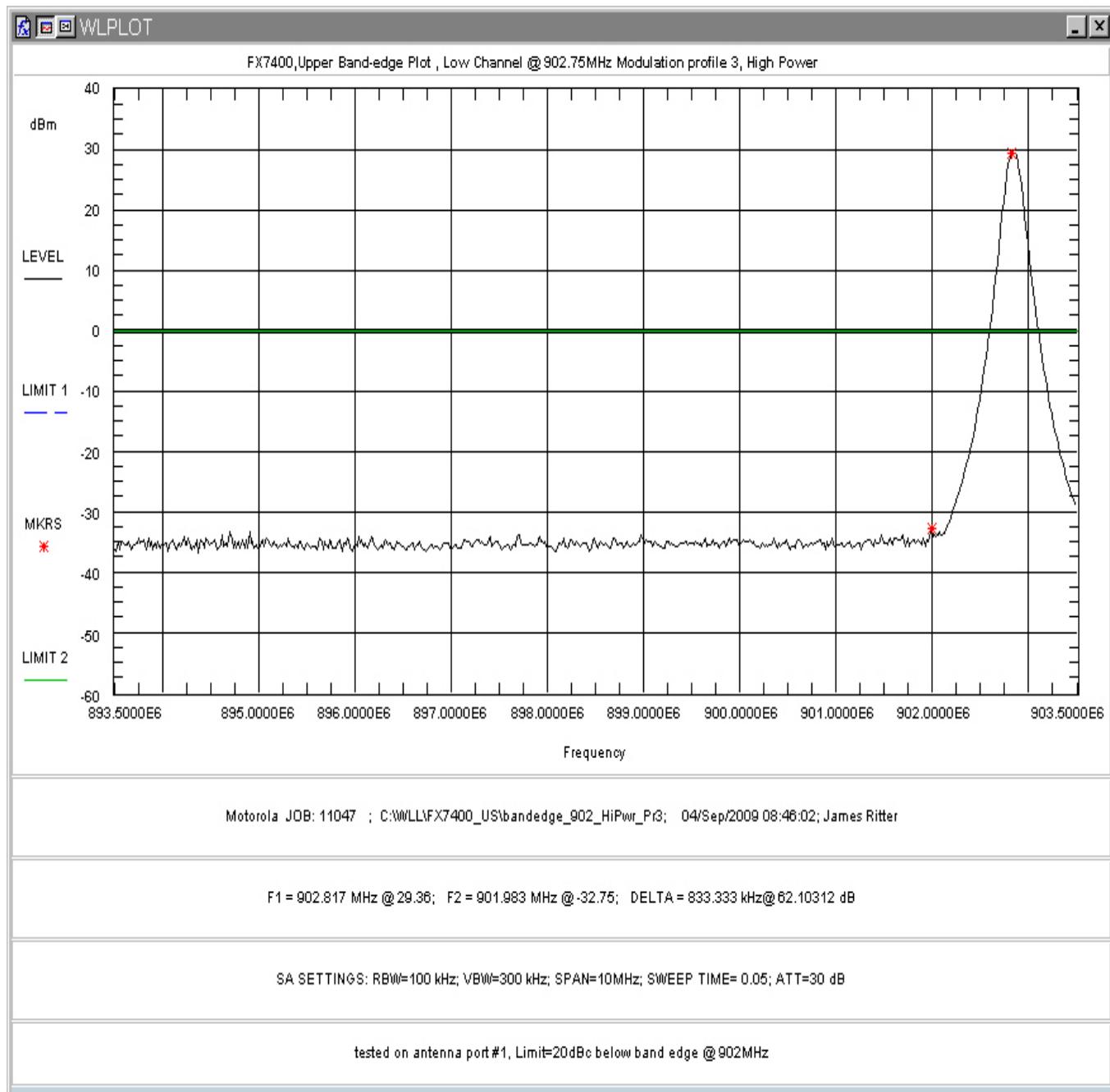


Figure 134: Low Band-edge Non-hopping, High Power, Modulation Profile 3

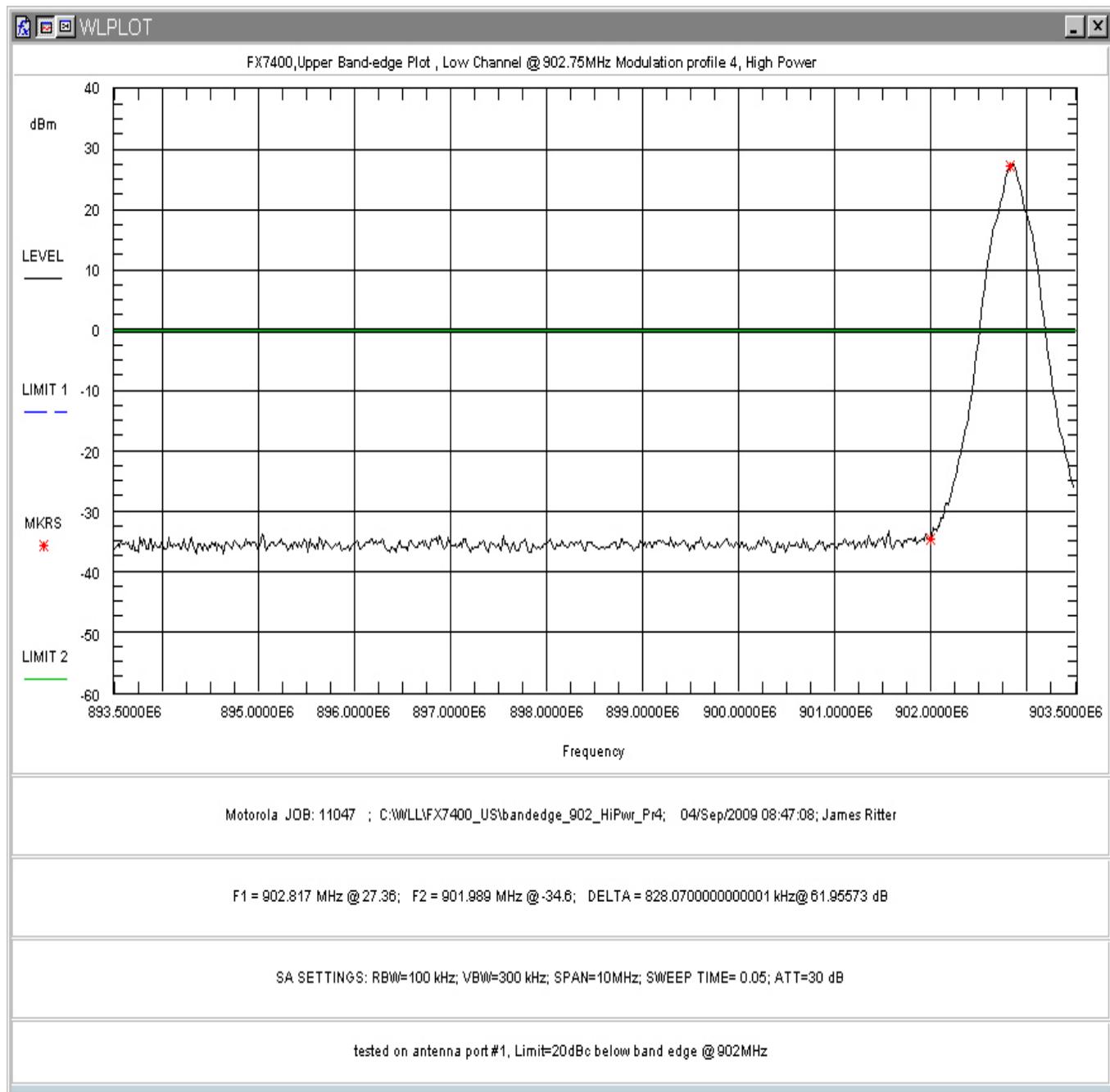


Figure 135: Low Band-edge Non-hopping, High Power, Modulation Profile 4

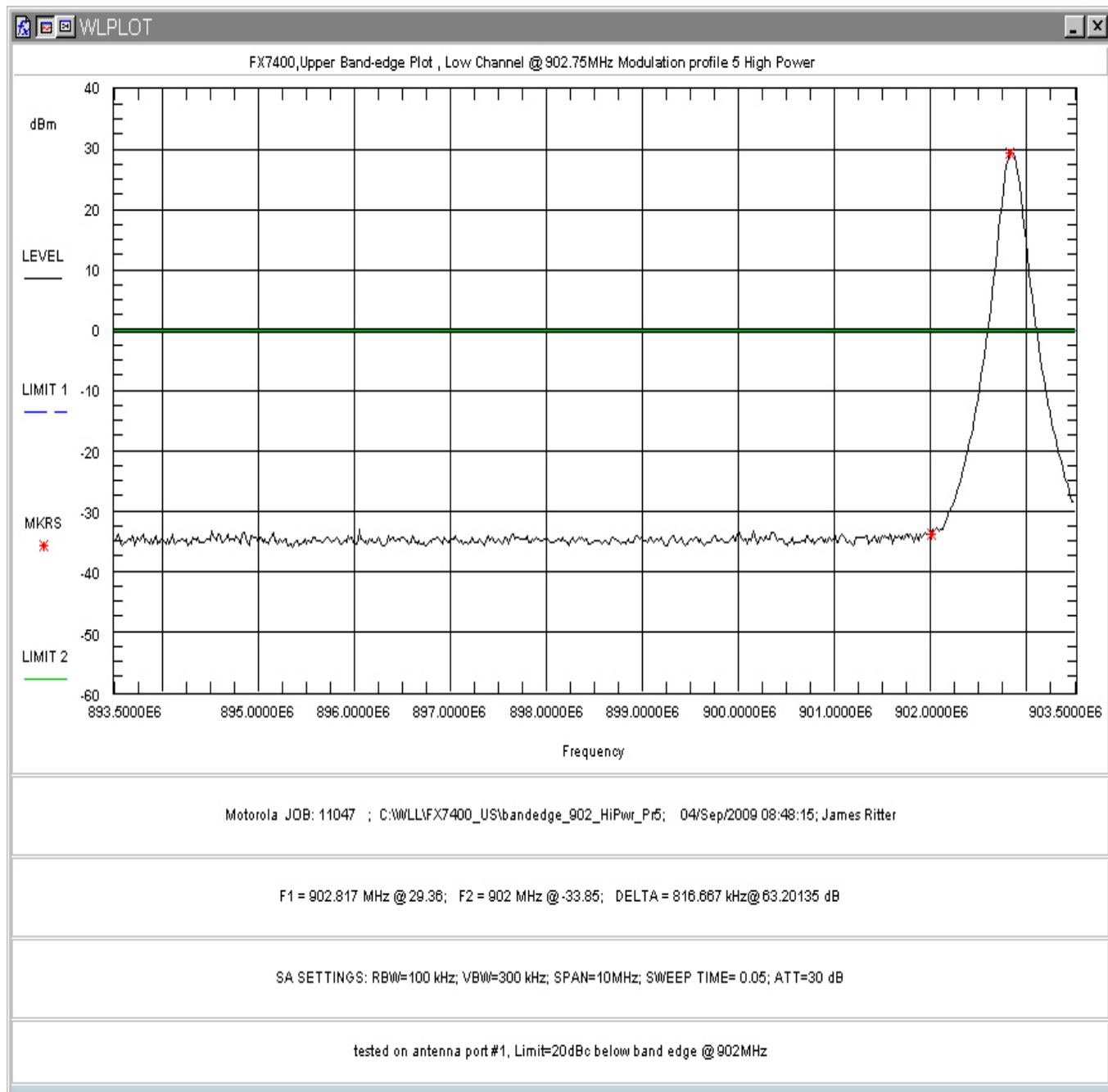


Figure 136: Low Band-edge Non-hopping, High Power, Modulation Profile 5

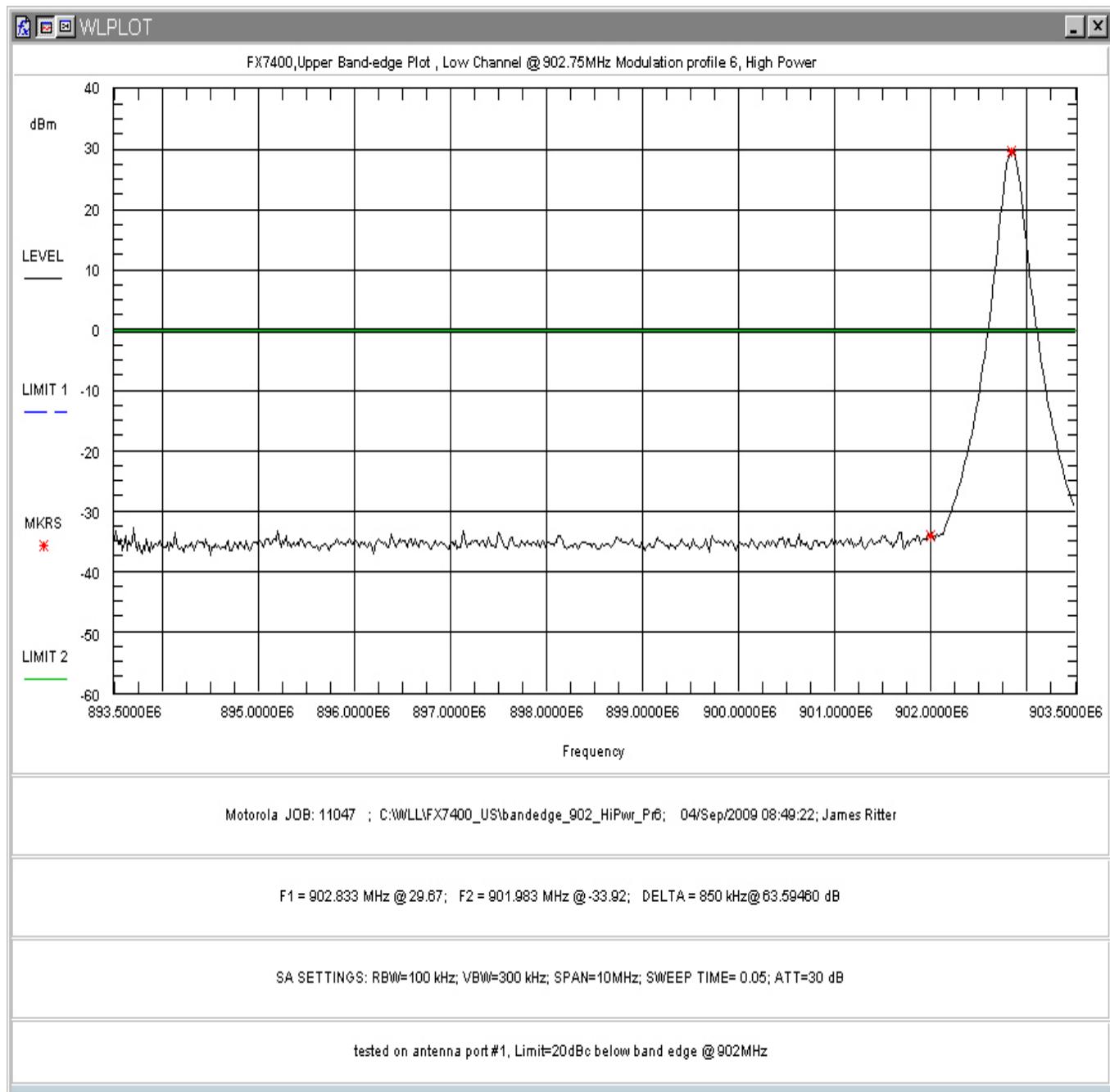


Figure 137: Low Band-edge Non-hopping, High Power, Modulation Profile 6