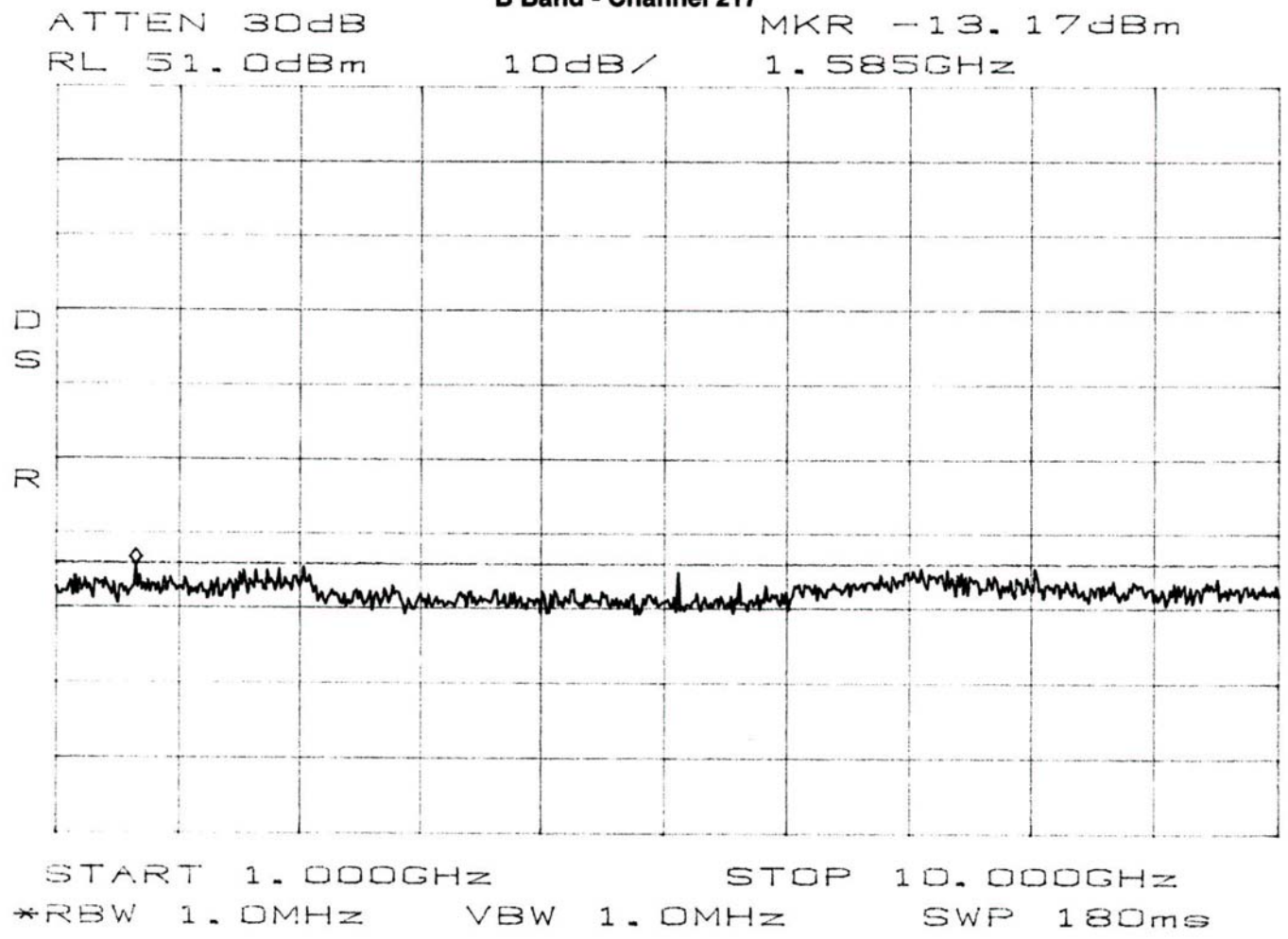
Software Defined Radio
Software Test 4
B Band - Channel 217



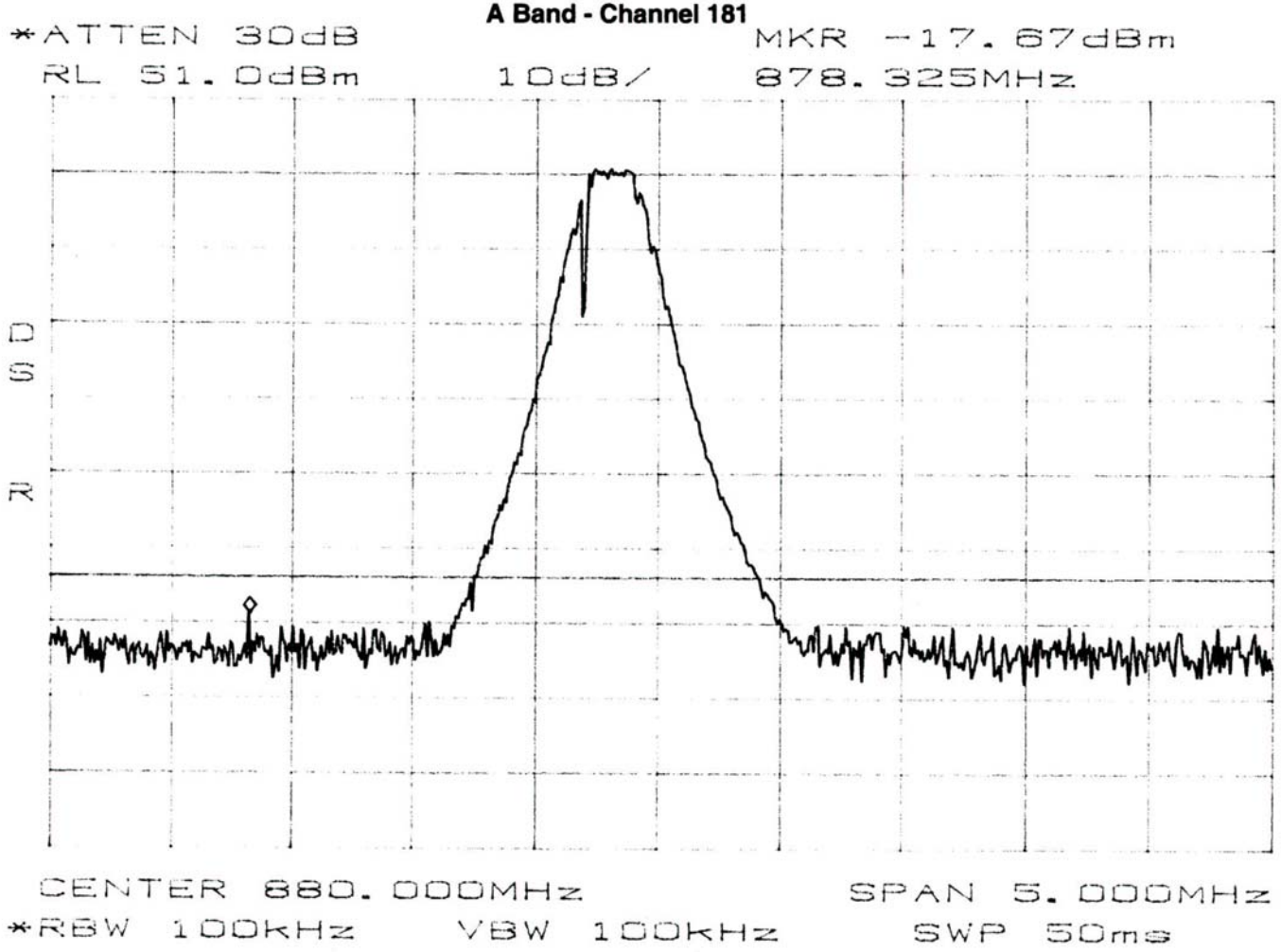
Software Test 5 for
Digivance 800 MHz 50-Watt SDR System
Model Numbers DGVS-112710SYS and DGVS-122710SYS

The out of band emissions were measured directly from the EUT antenna output with a spectrum analyzer from 30 MHz to the 10th harmonic of the highest carrier frequency. The Software Test 5 simulates the GSM signal created from a repeated sequence with 1 timeslot of valid traffic channel data and the remaining 7 timeslots filled with dummy bursts.

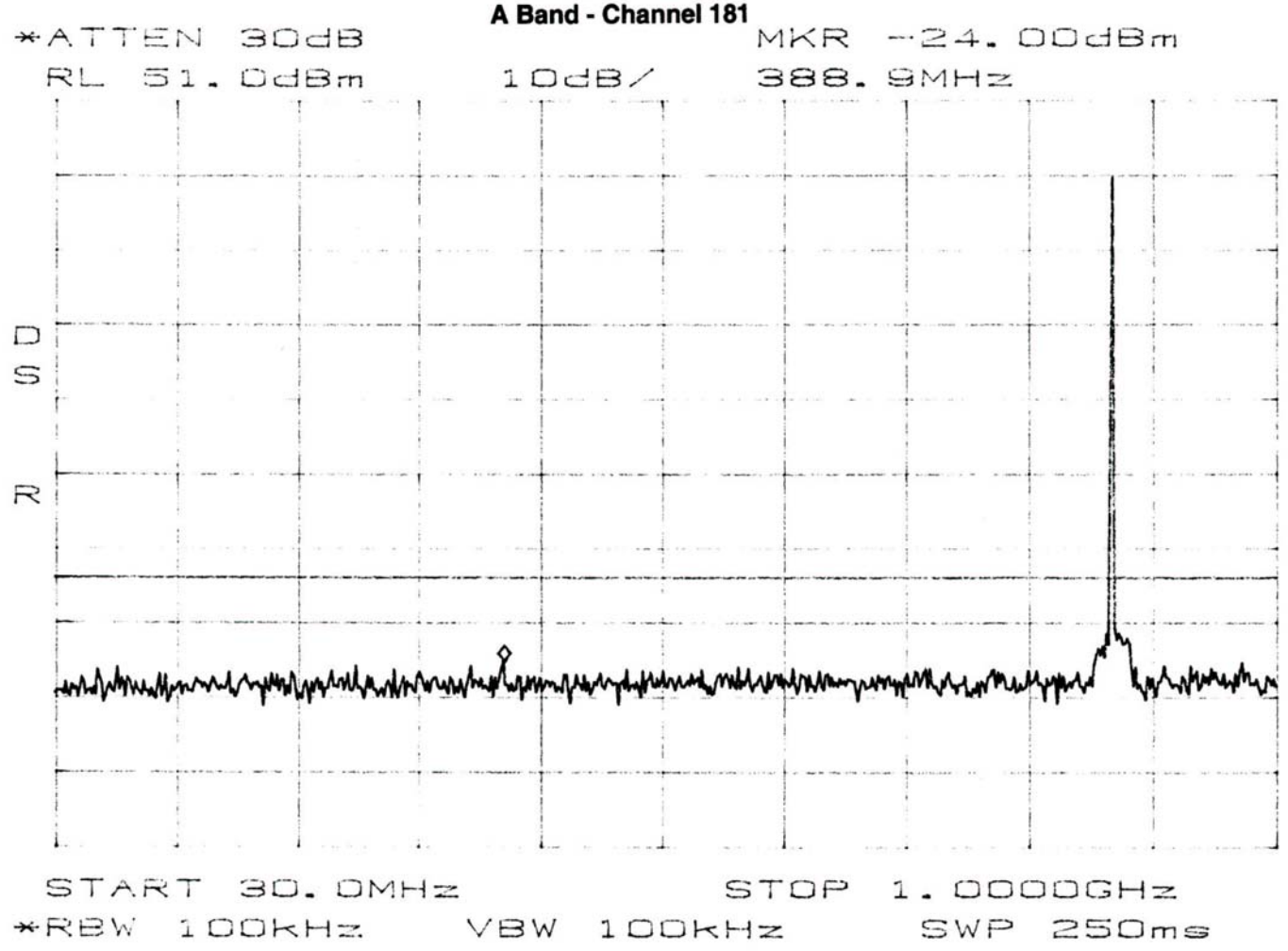
Results:

Pass (see plots)

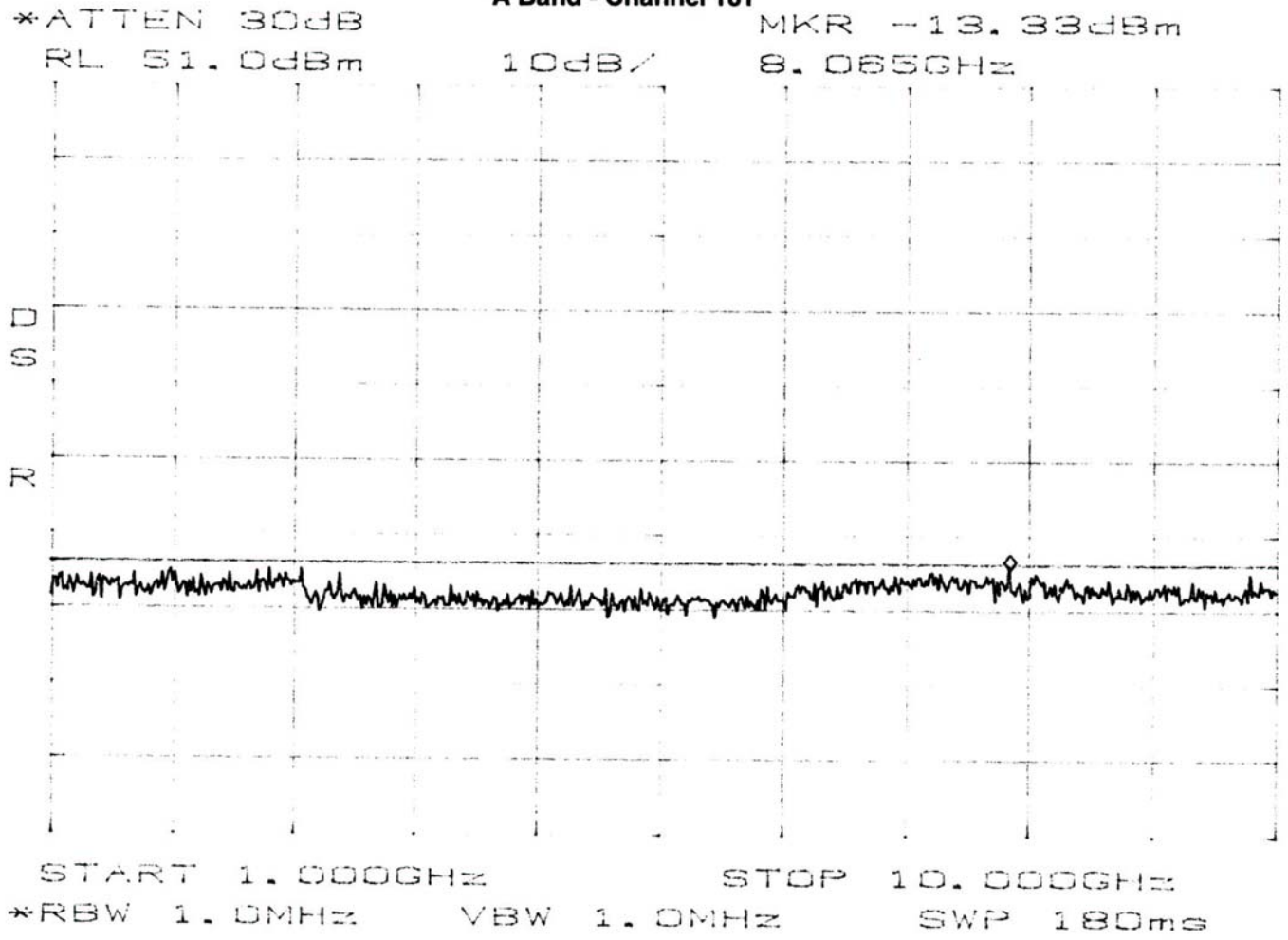
Software Defined Radio
Software Test 5
A Band - Channel 181



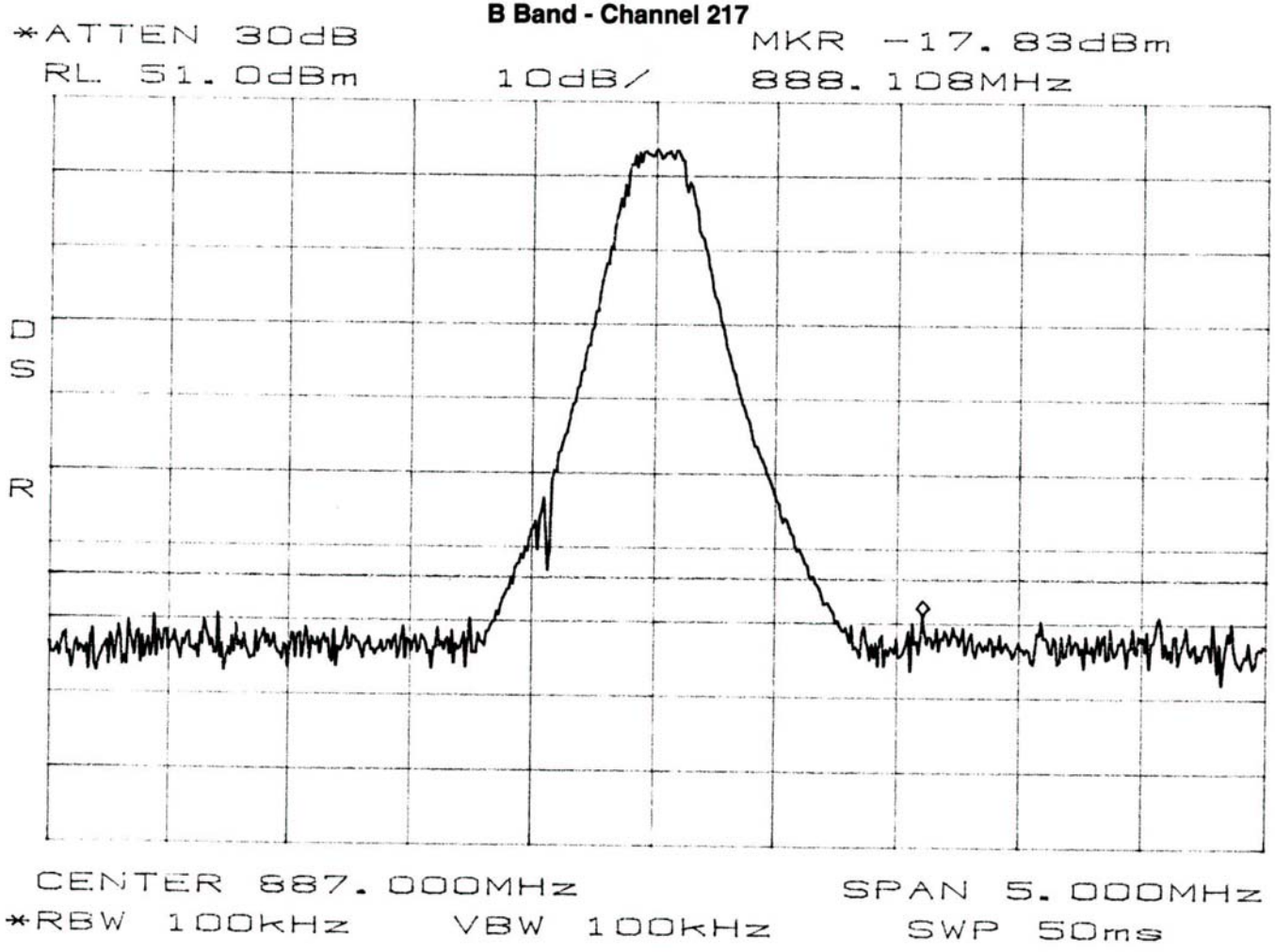
Software Defined Radio
Software Test 5
A Band - Channel 181



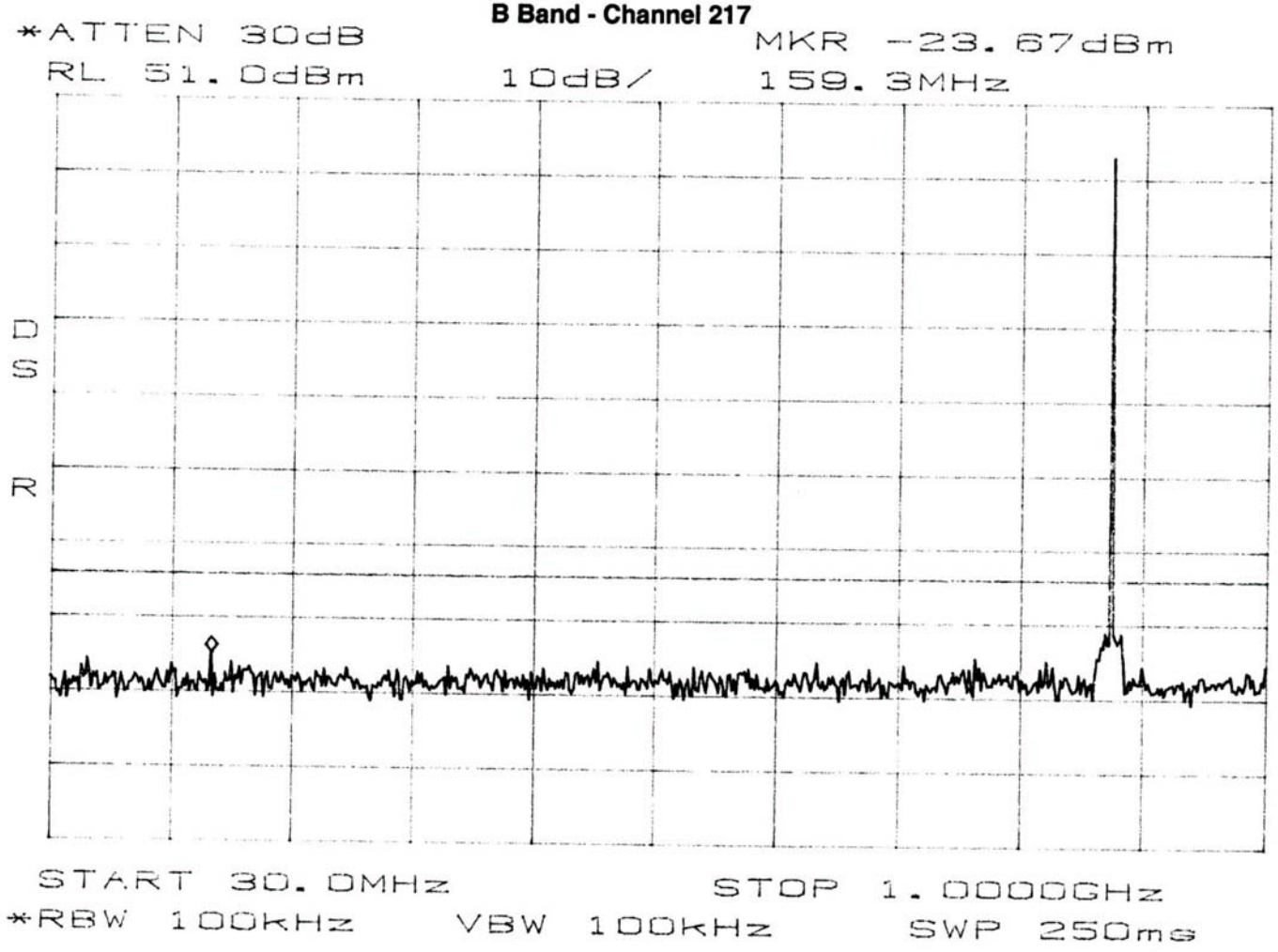
Software Defined Radio
Software Test 5
A Band - Channel 181



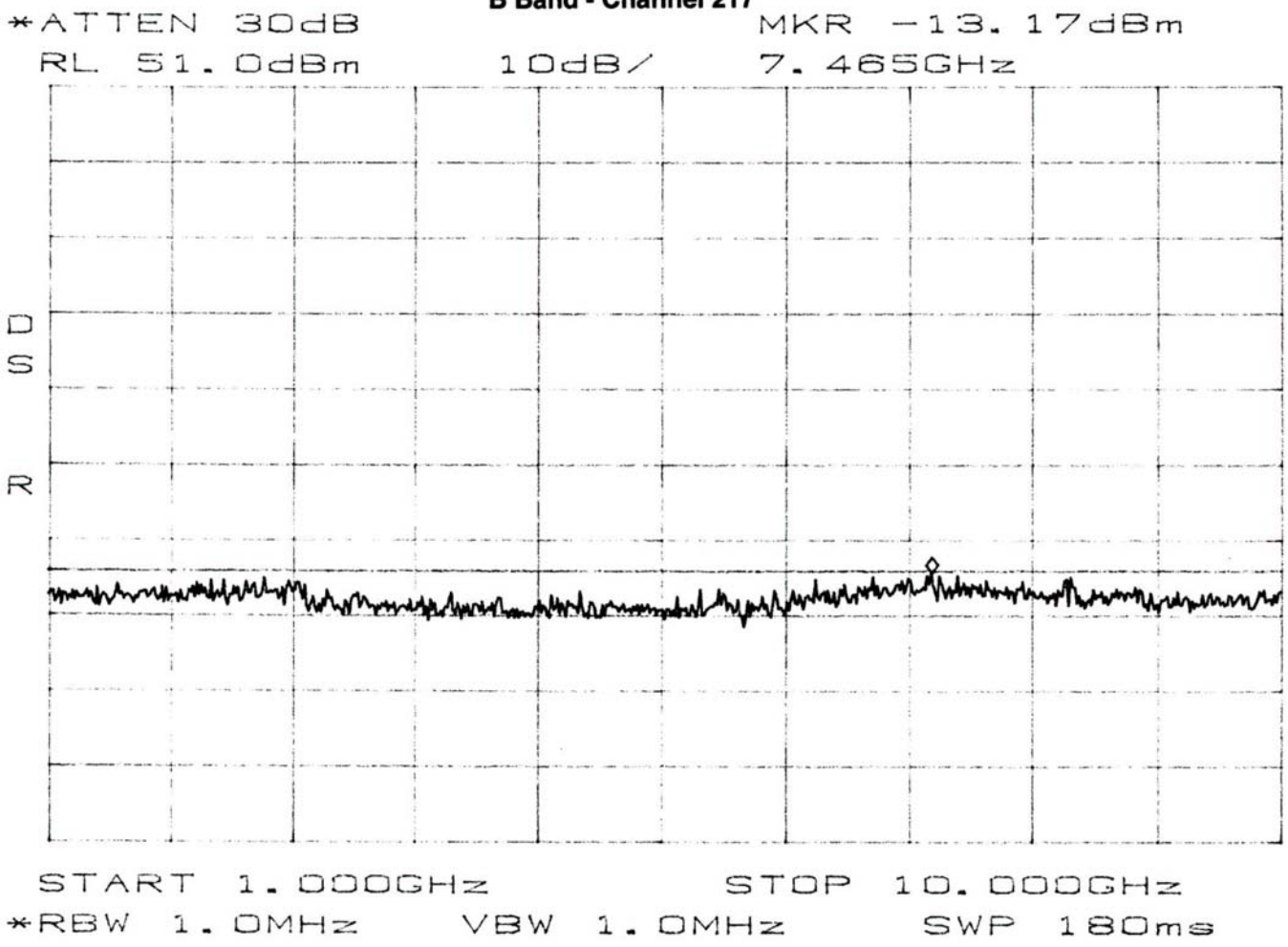
Software Defined Radio
Software Test 5
B Band - Channel 217



Software Defined Radio
Software Test 5
B Band - Channel 217



Software Defined Radio
Software Test 5
B Band - Channel 217



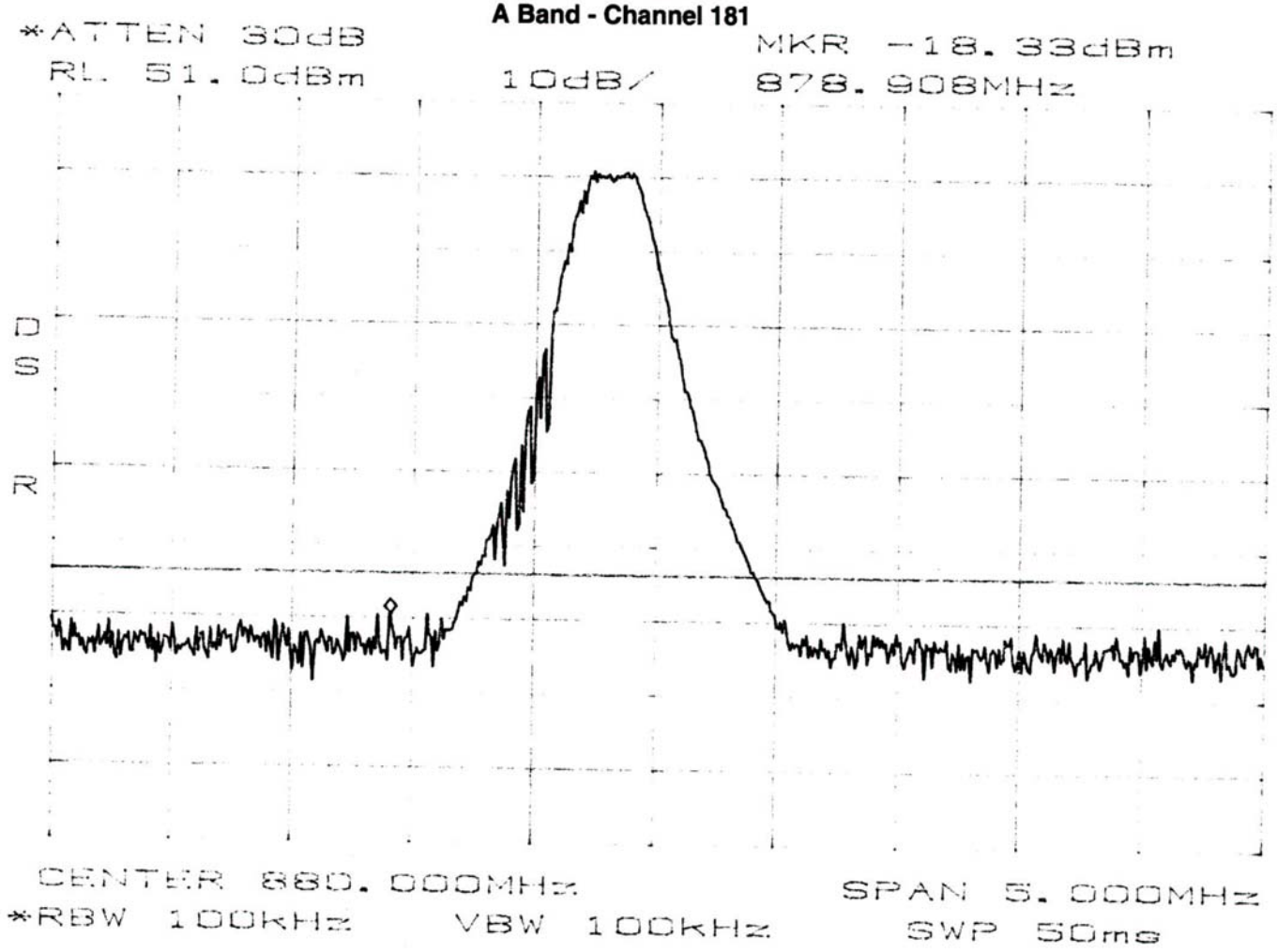
Software Test 6 for
Digivance 800 MHz 50-Watt SDR System
Model Numbers DGVS-112710SYS and DGVS-122710SYS

The out of band emissions were measured directly from the EUT antenna output with a spectrum analyzer from 30 MHz to the 10th harmonic of the highest carrier frequency. The Software Test 6 simulates the GSM signal created from a repeated sequence with 4 timeslots of valid traffic channel data and the remaining 4 timeslots filled with dummy bursts.

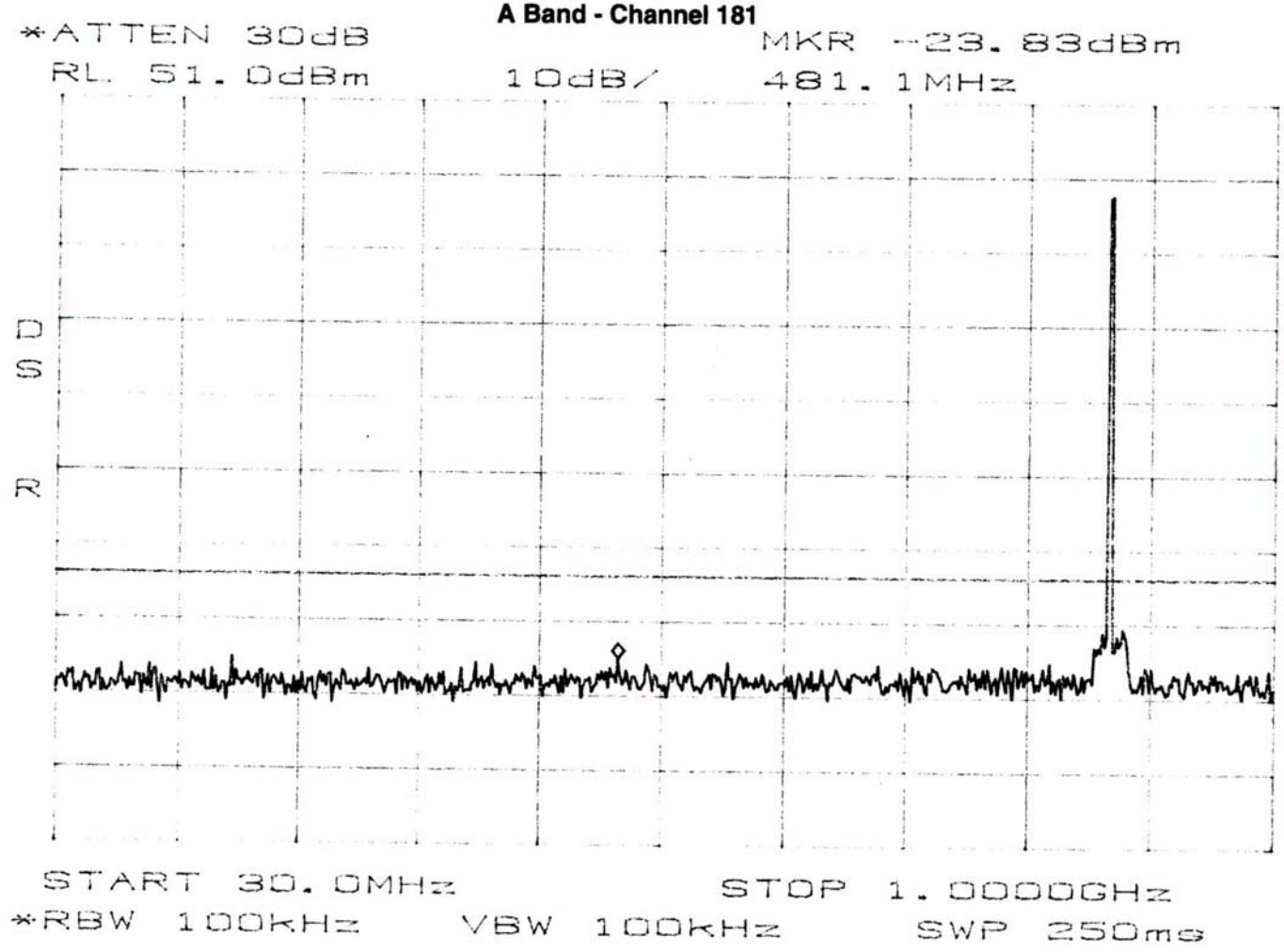
Results:

Pass (see plots)

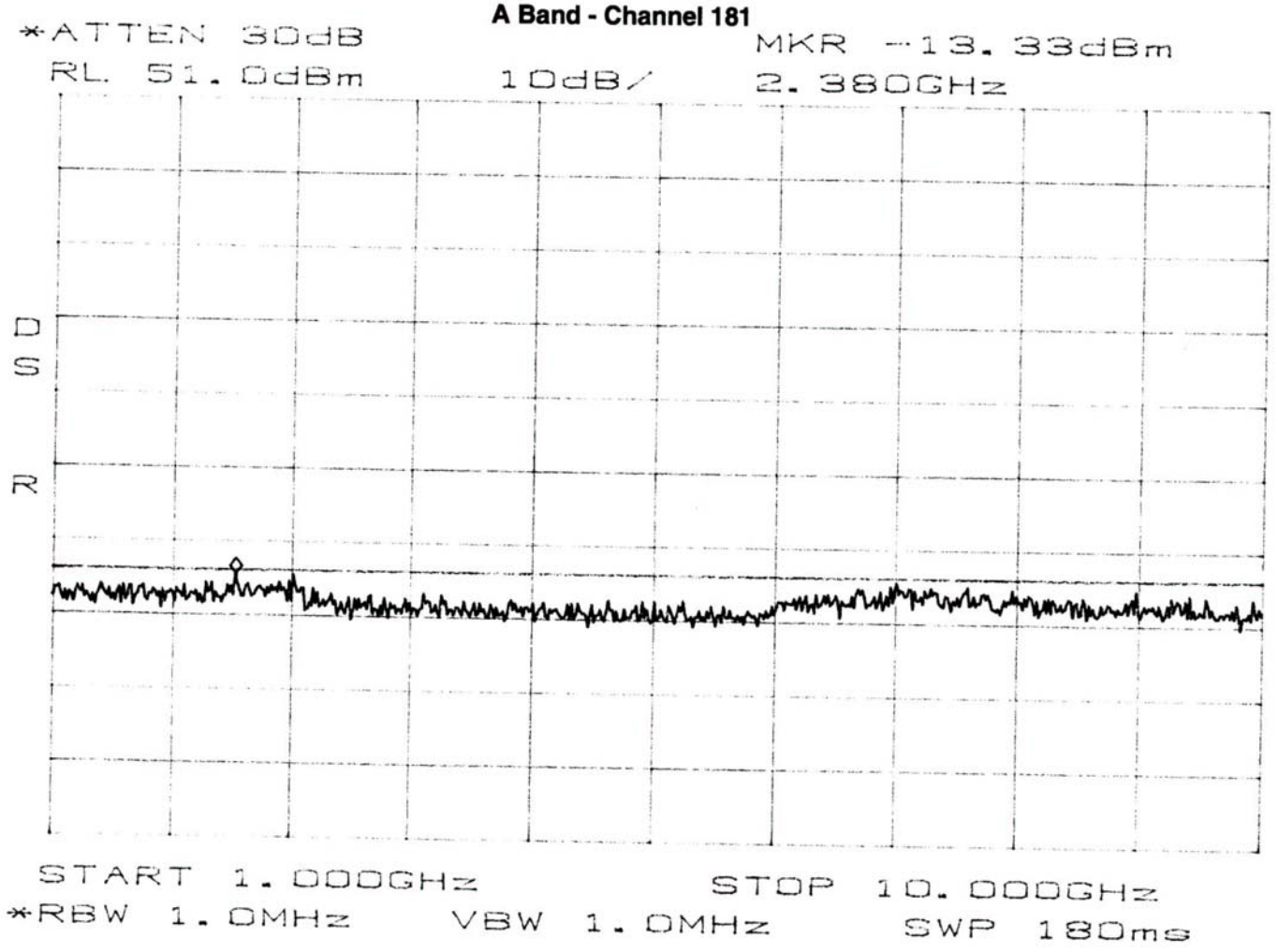
Software Defined Radio
Software Test 6
A Band - Channel 181



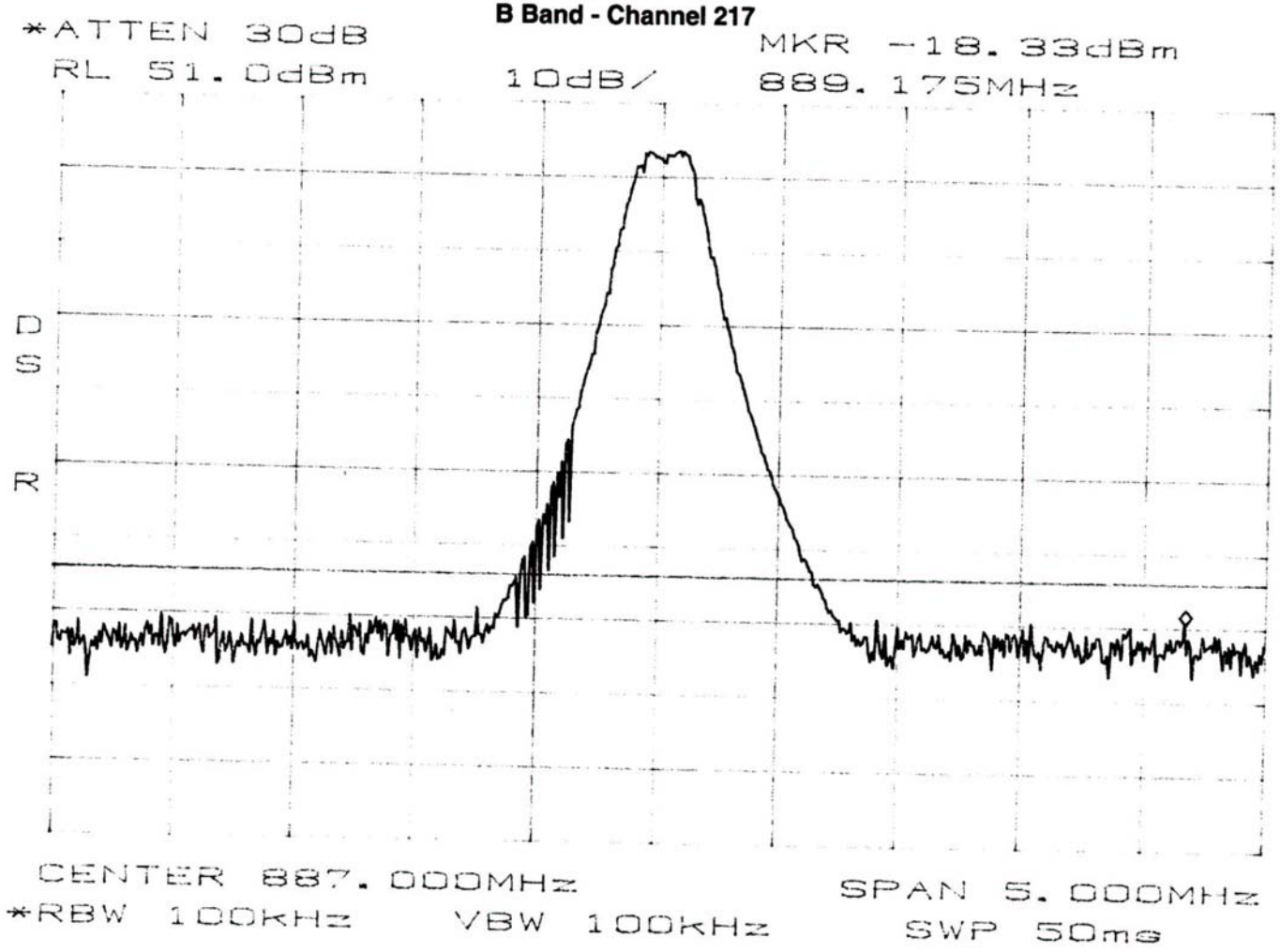
Software Defined Radio
Software Test 6
A Band - Channel 181



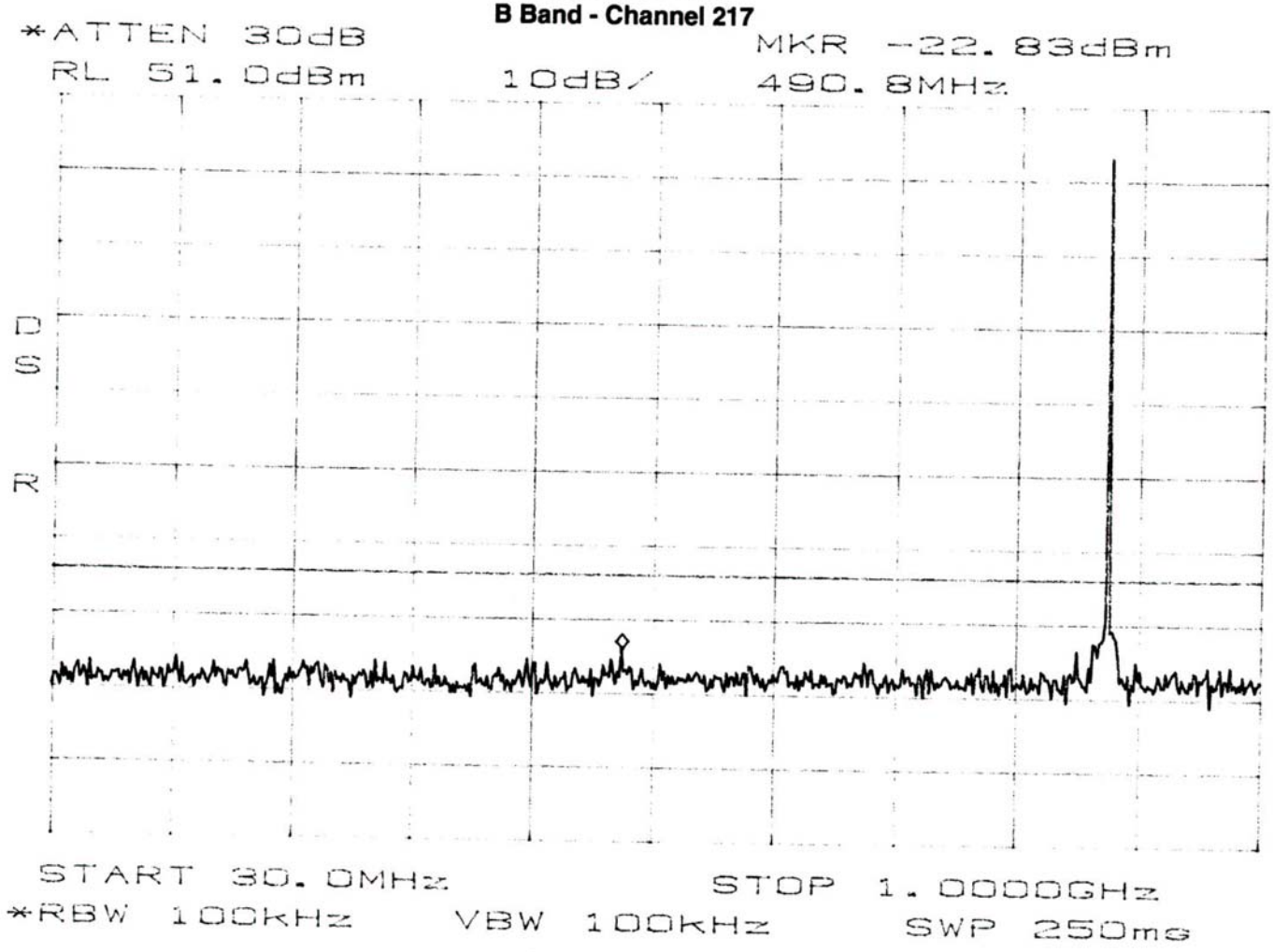
Software Defined Radio
Software Test 6
A Band - Channel 181



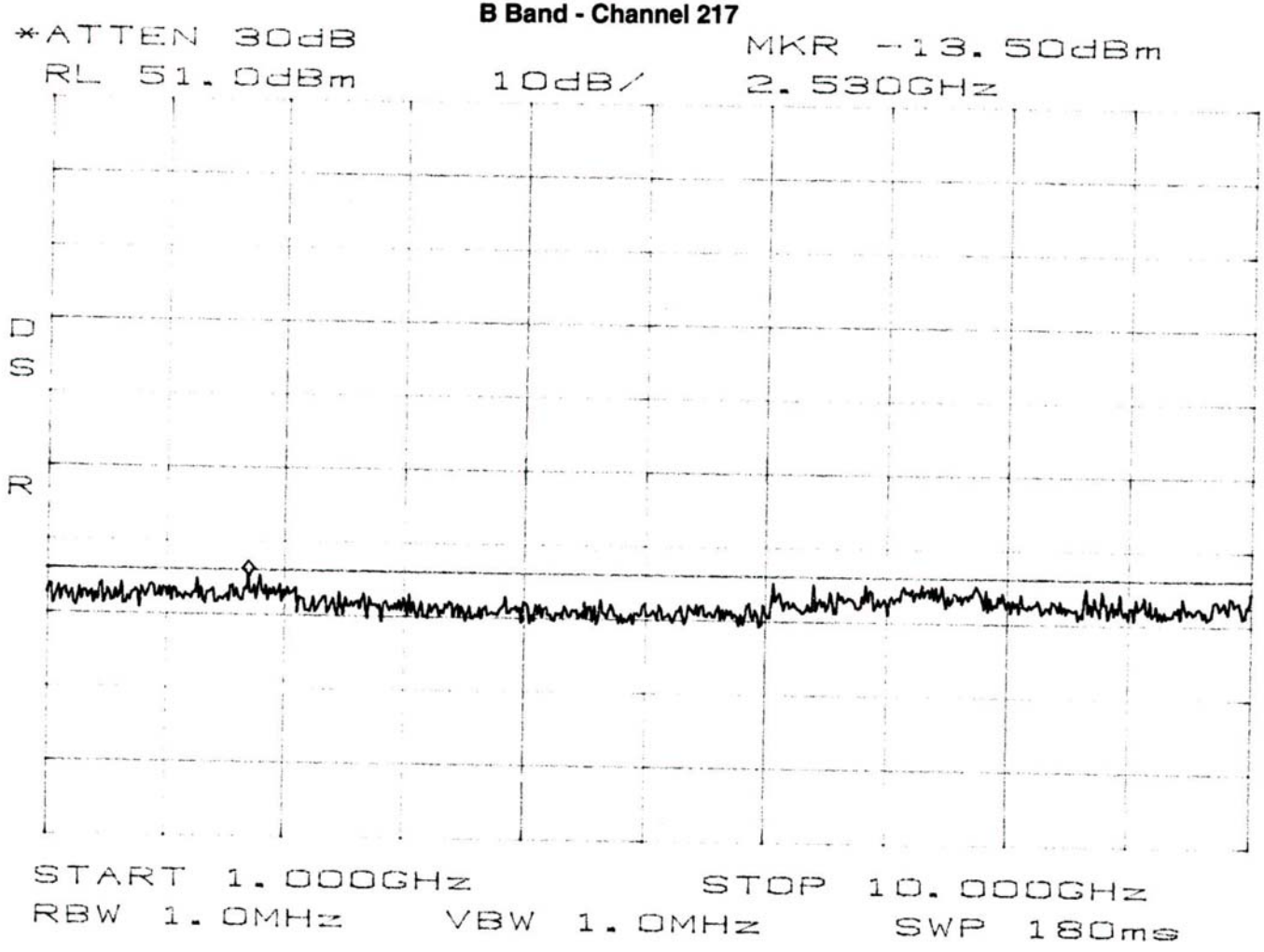
Software Defined Radio
Software Test 6
B Band - Channel 217



Software Defined Radio
Software Test 6
B Band - Channel 217



Software Defined Radio
Software Test 6
B Band - Channel 217



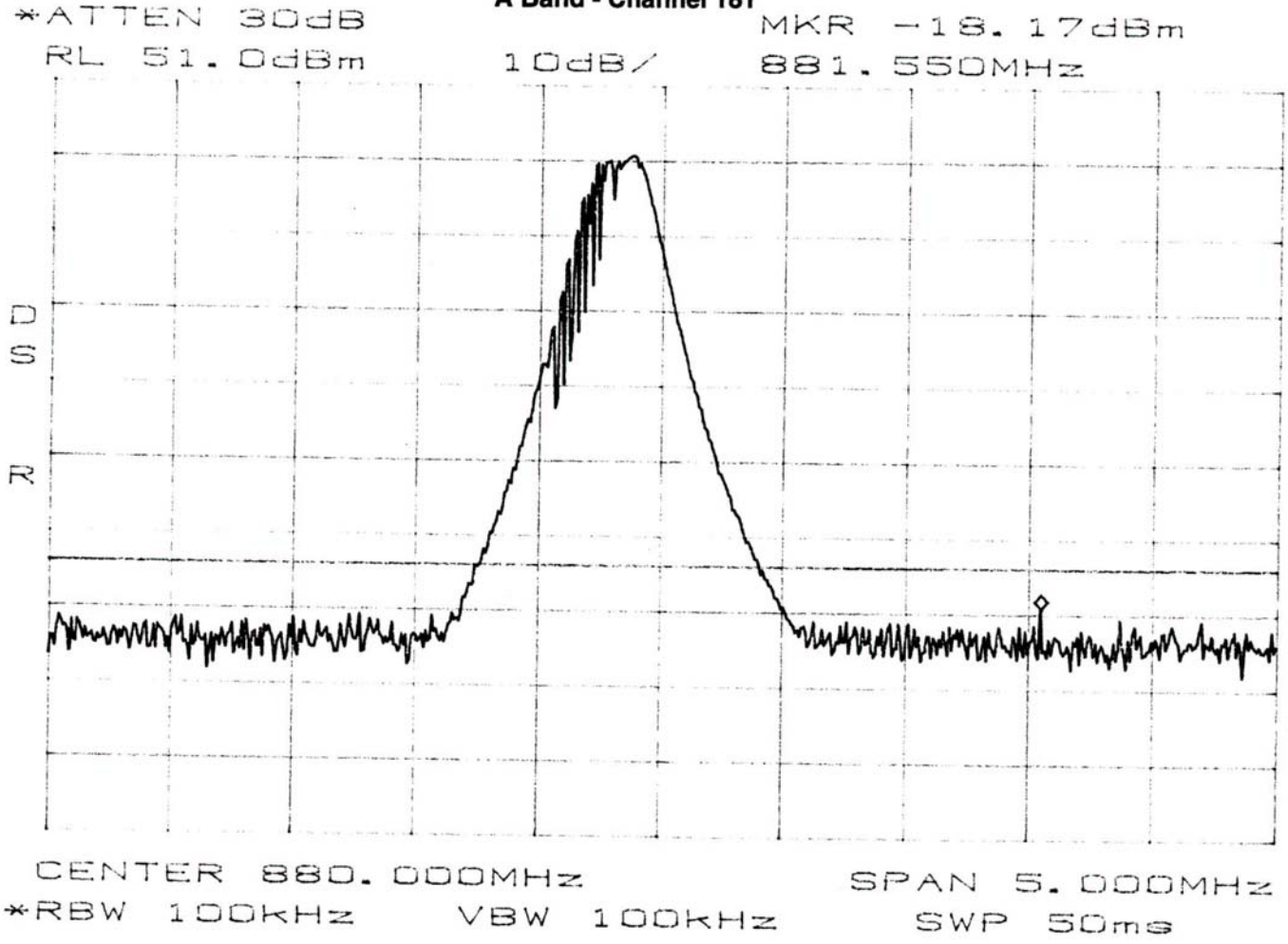
Software Test 7 for
Digivance 800 MHz 50-Watt SDR System
Model Numbers DGVS-112710SYS and DGVS-122710SYS

The out of band emissions were measured directly from the EUT antenna output with a spectrum analyzer from 30 MHz to the 10th harmonic of the highest carrier frequency. The Software Test 7 simulates the GSM signal created from a repeated sequence with 8 timeslots of valid traffic channel data.

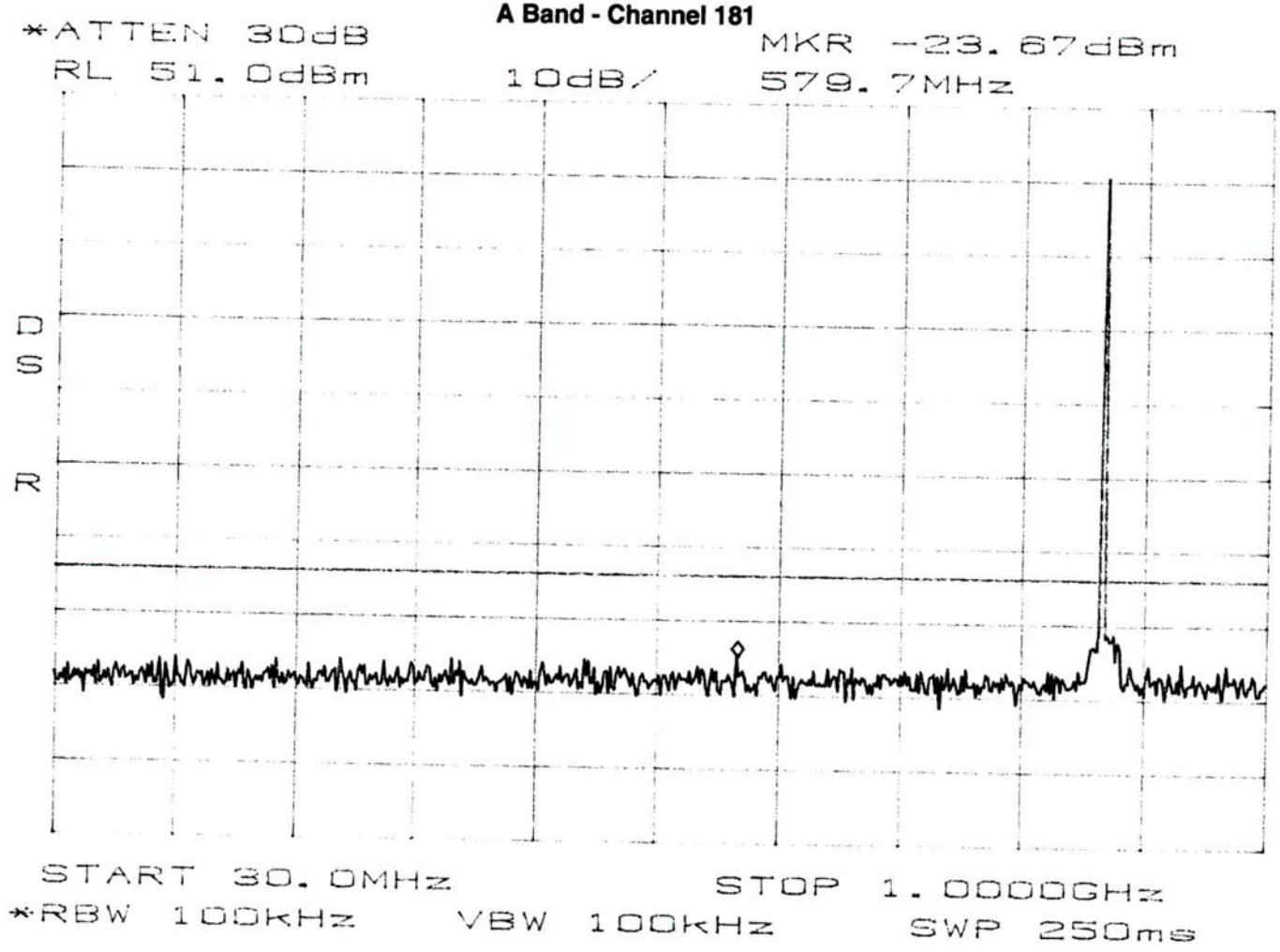
Results:

Pass (see plots)

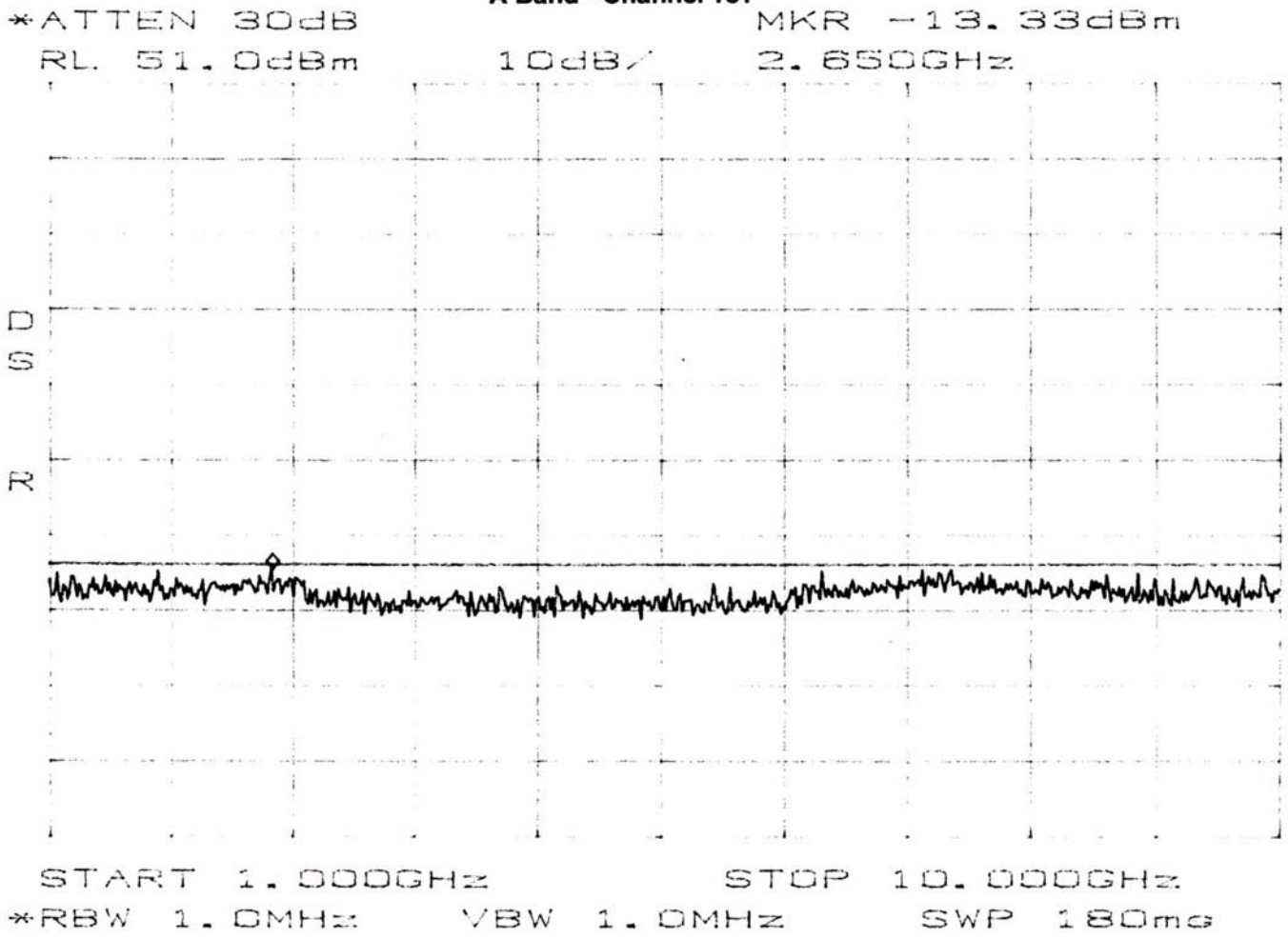
Software Defined Radio
Software Test 7
A Band - Channel 181



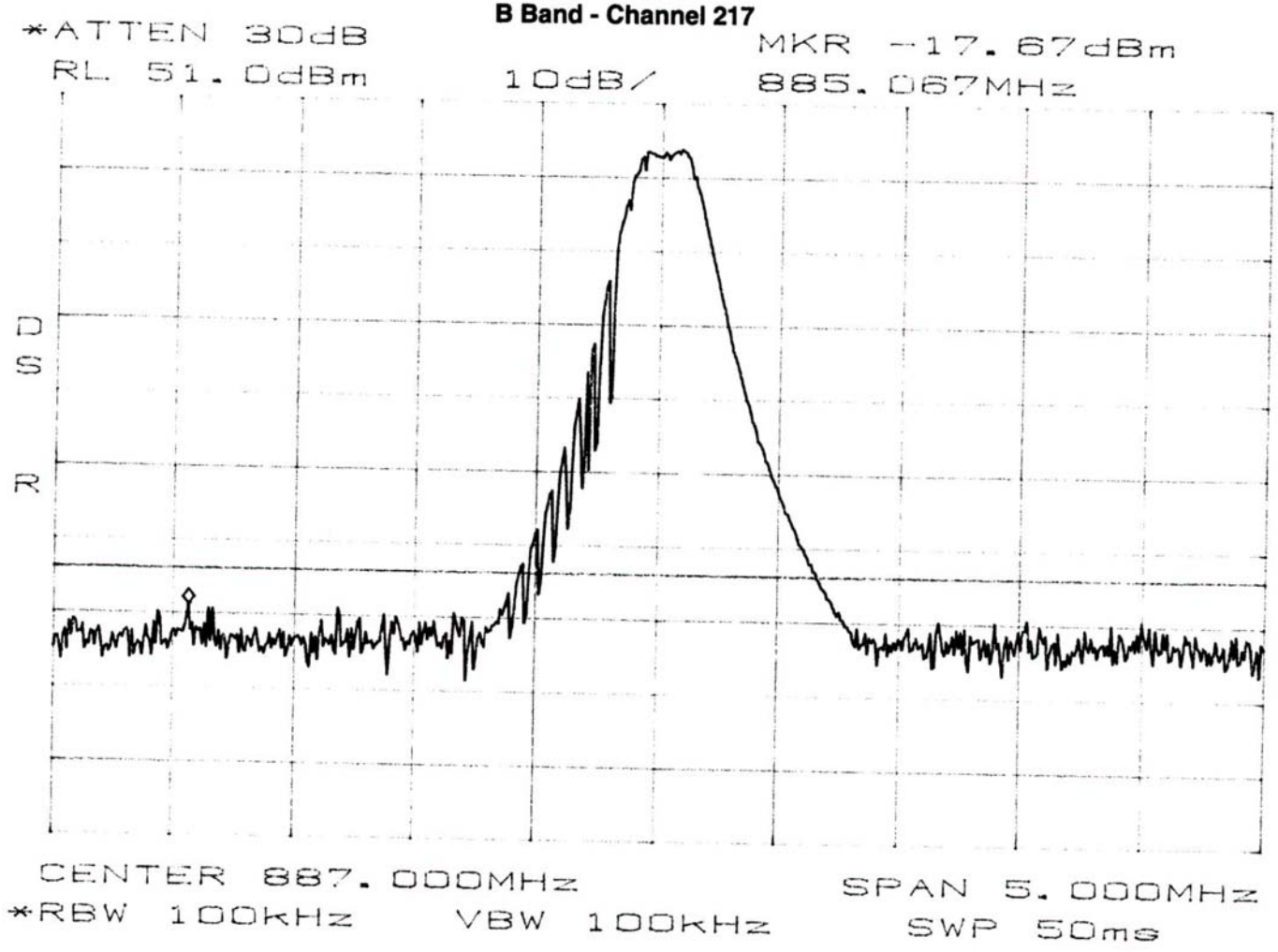
Software Defined Radio
Software Test 7
A Band - Channel 181



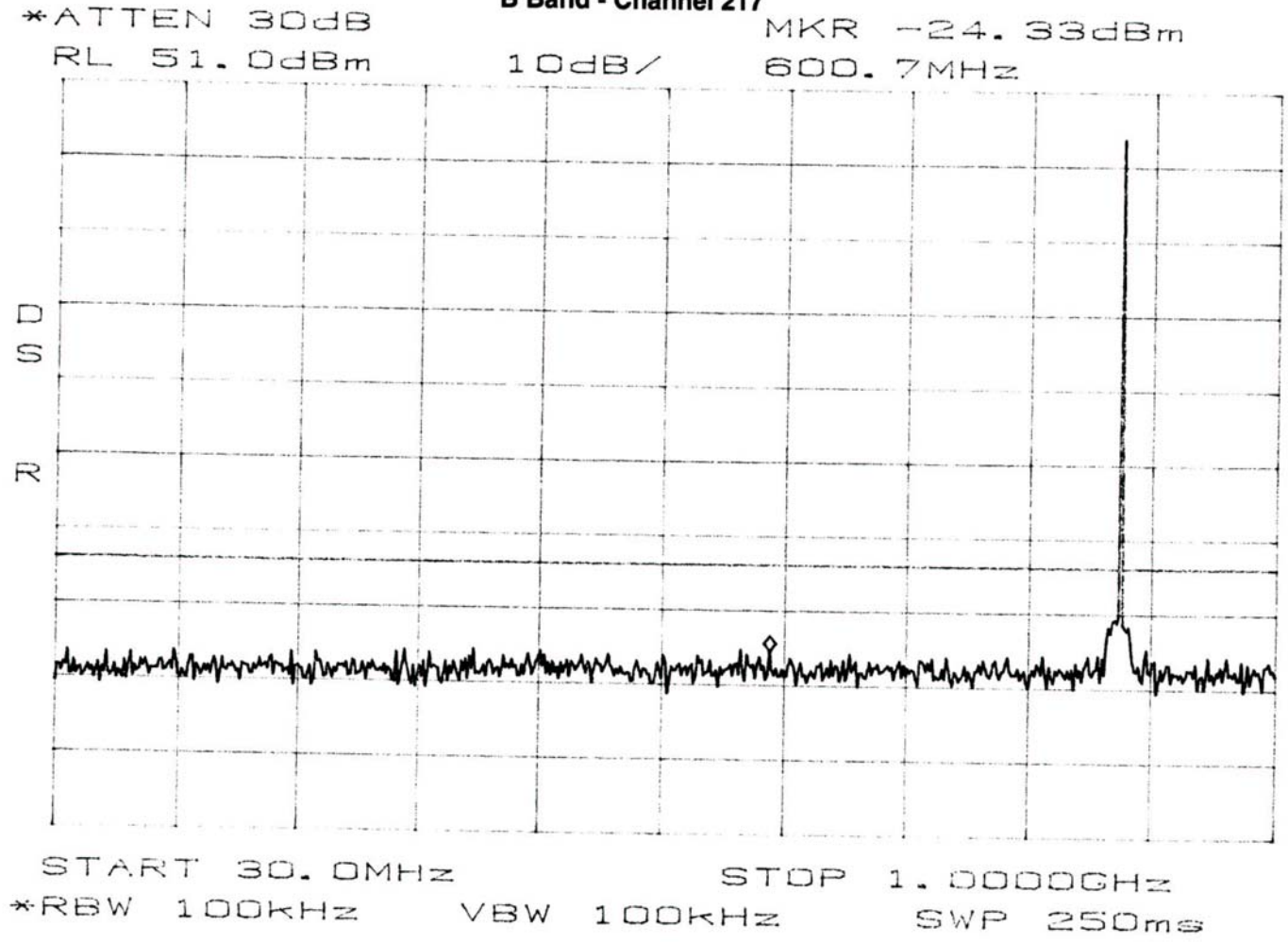
Software Defined Radio
Software Test 7
A Band - Channel 181



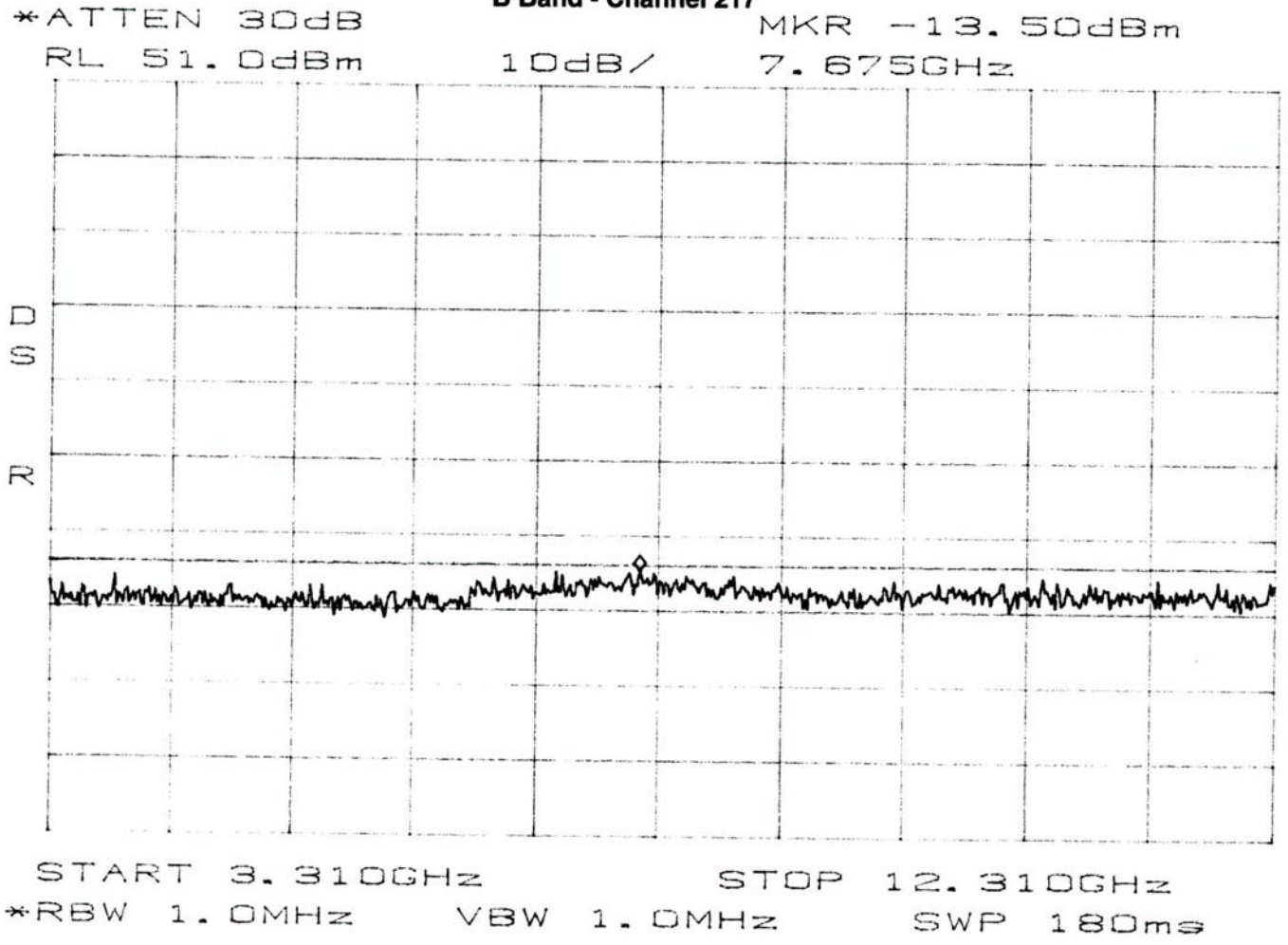
Software Defined Radio
Software Test 7
B Band - Channel 217



Software Defined Radio
Software Test 7
B Band - Channel 217



Software Defined Radio
Software Test 7
B Band - Channel 217



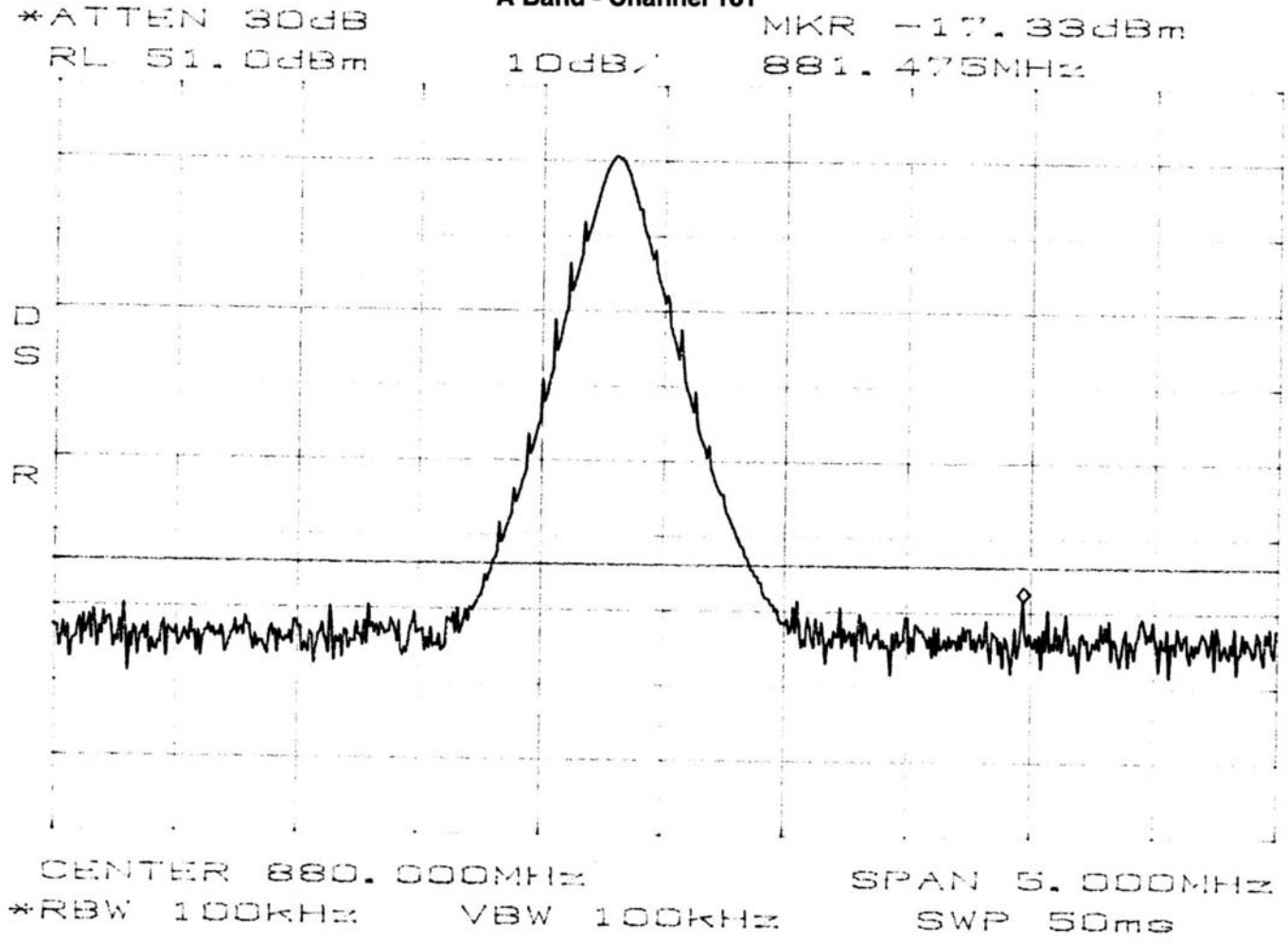
Software Test 8 for
Digivance 800 MHz 50-Watt SDR System
Model Numbers DGVS-112710SYS and DGVS-122710SYS

The out of band emissions were measured directly from the EUT antenna output with a spectrum analyzer from 30 MHz to the 10th harmonic of the highest carrier frequency. The Software Test 8 simulates the GSM signal created from a square wave with a period of 4 symbols.

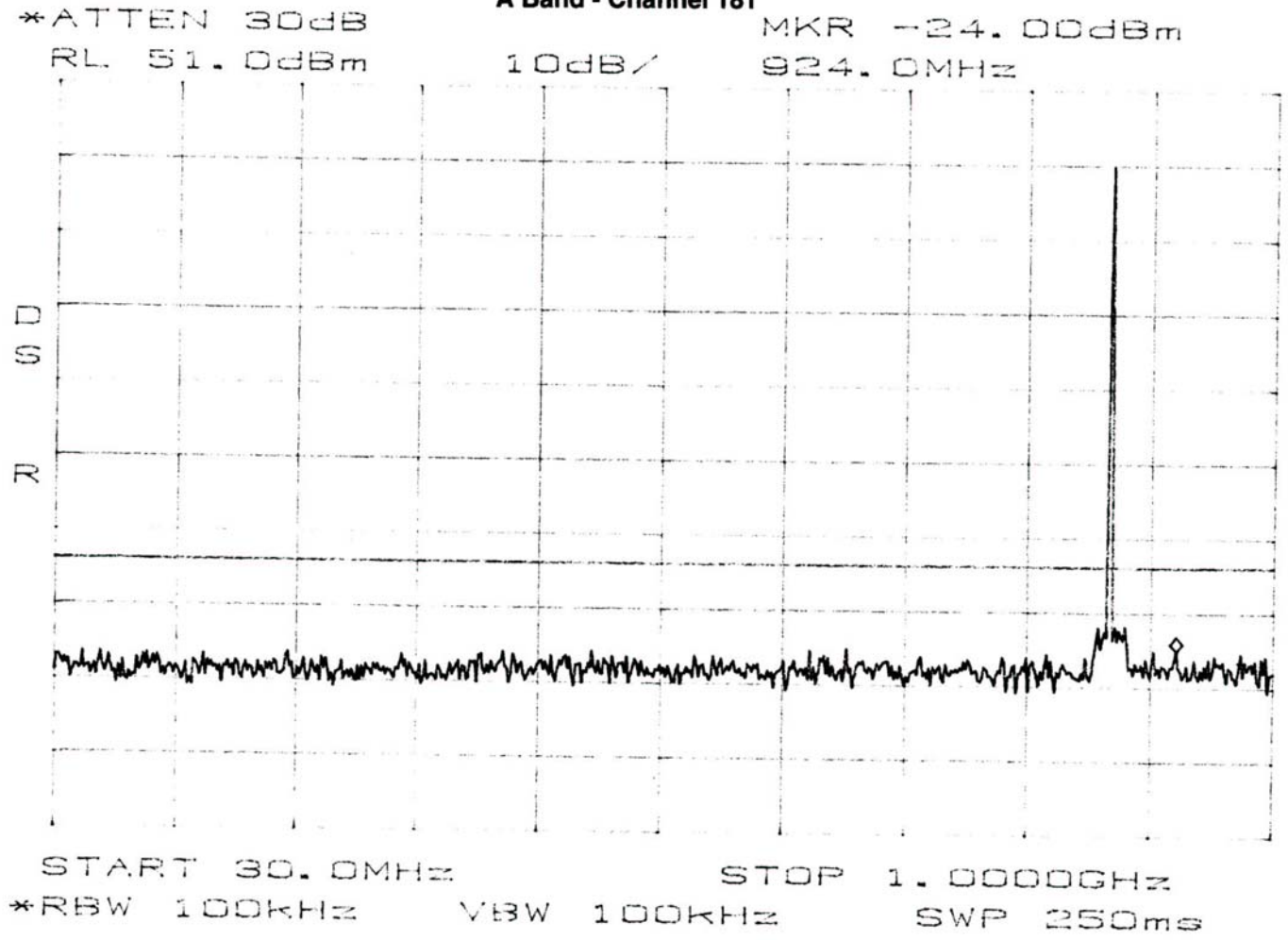
Results:

Pass (see plots)

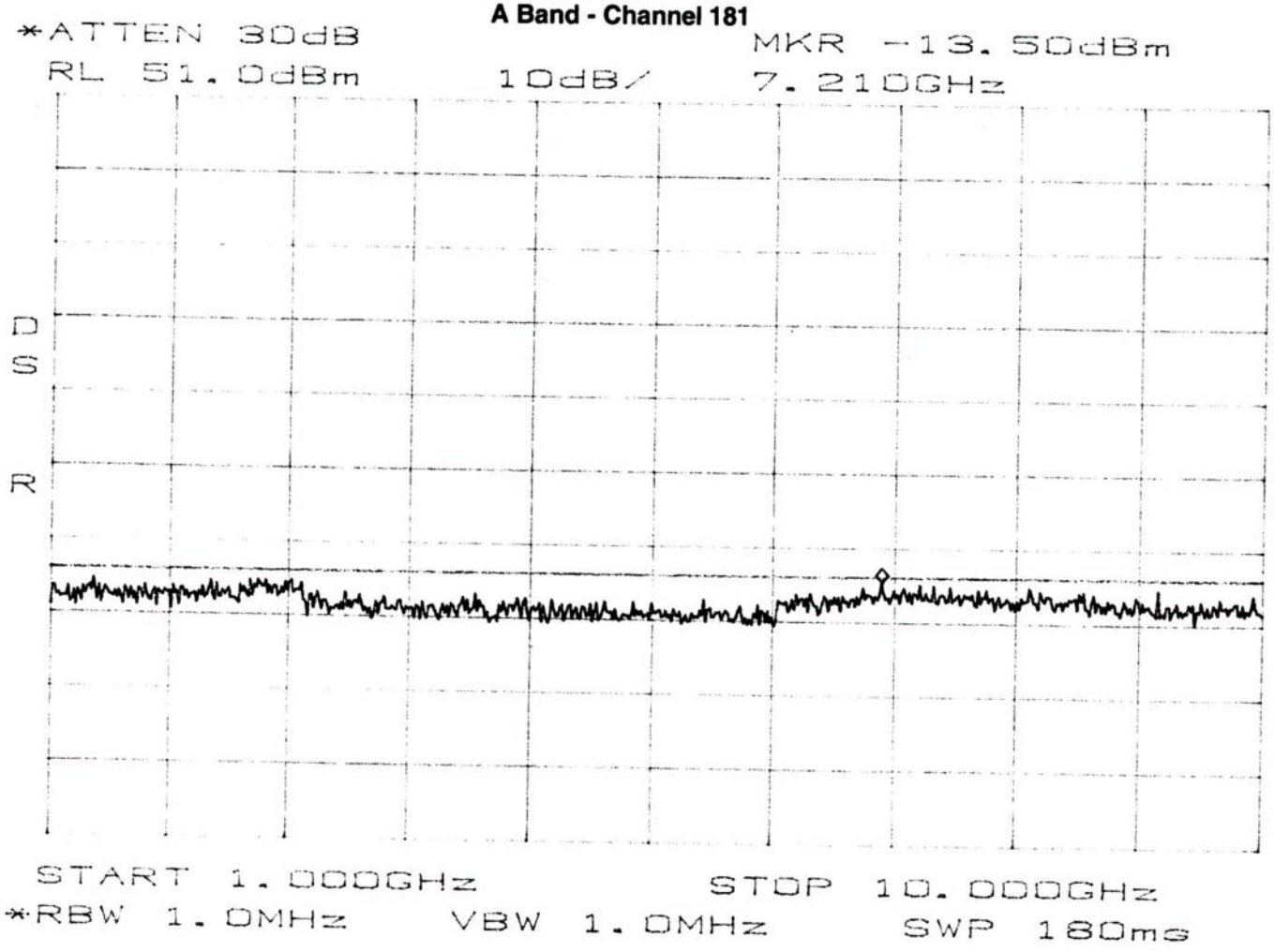
Software Defined Radio
Software Test 8
A Band - Channel 181



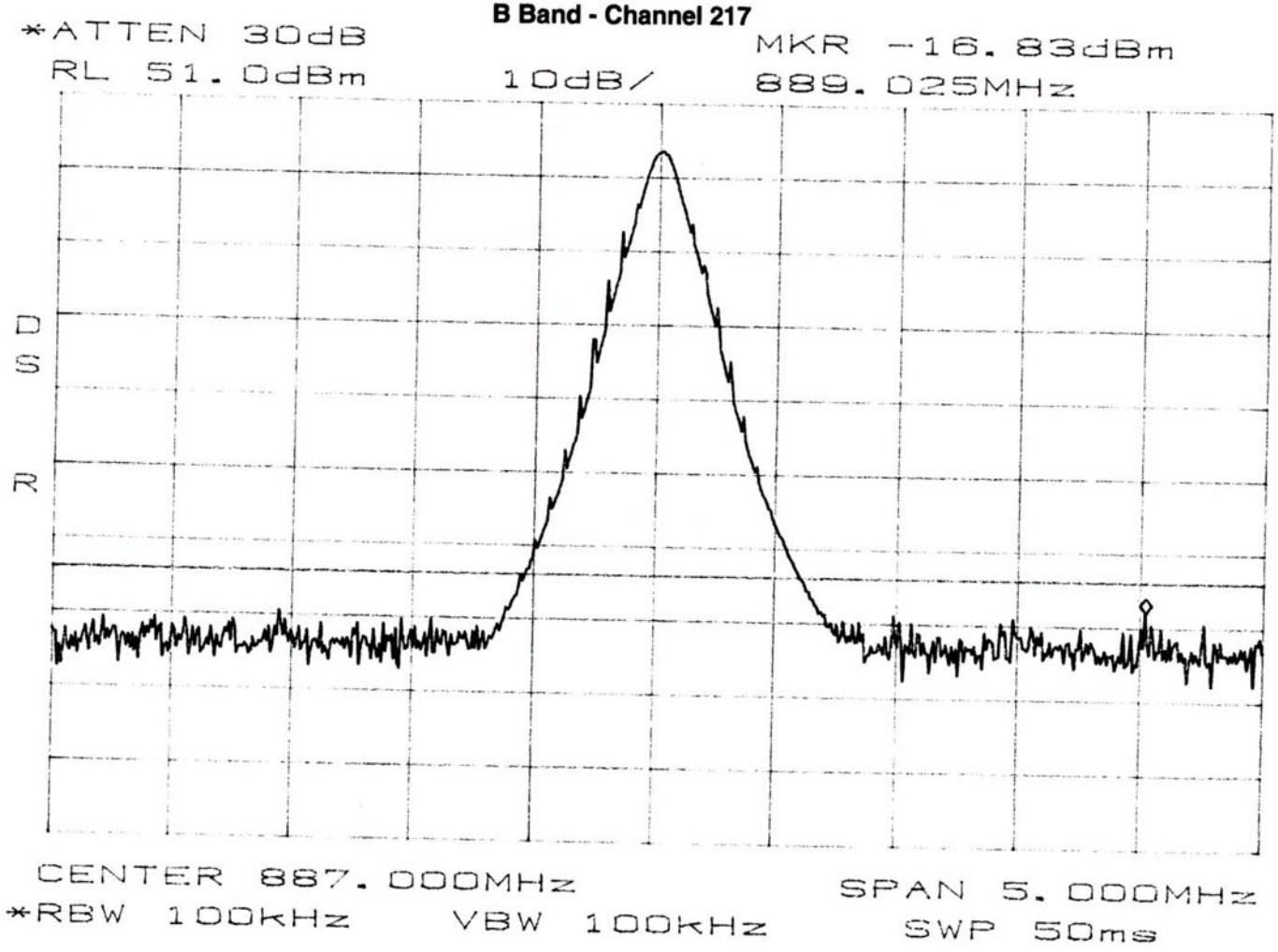
Software Defined Radio
Software Test 8
A Band - Channel 181



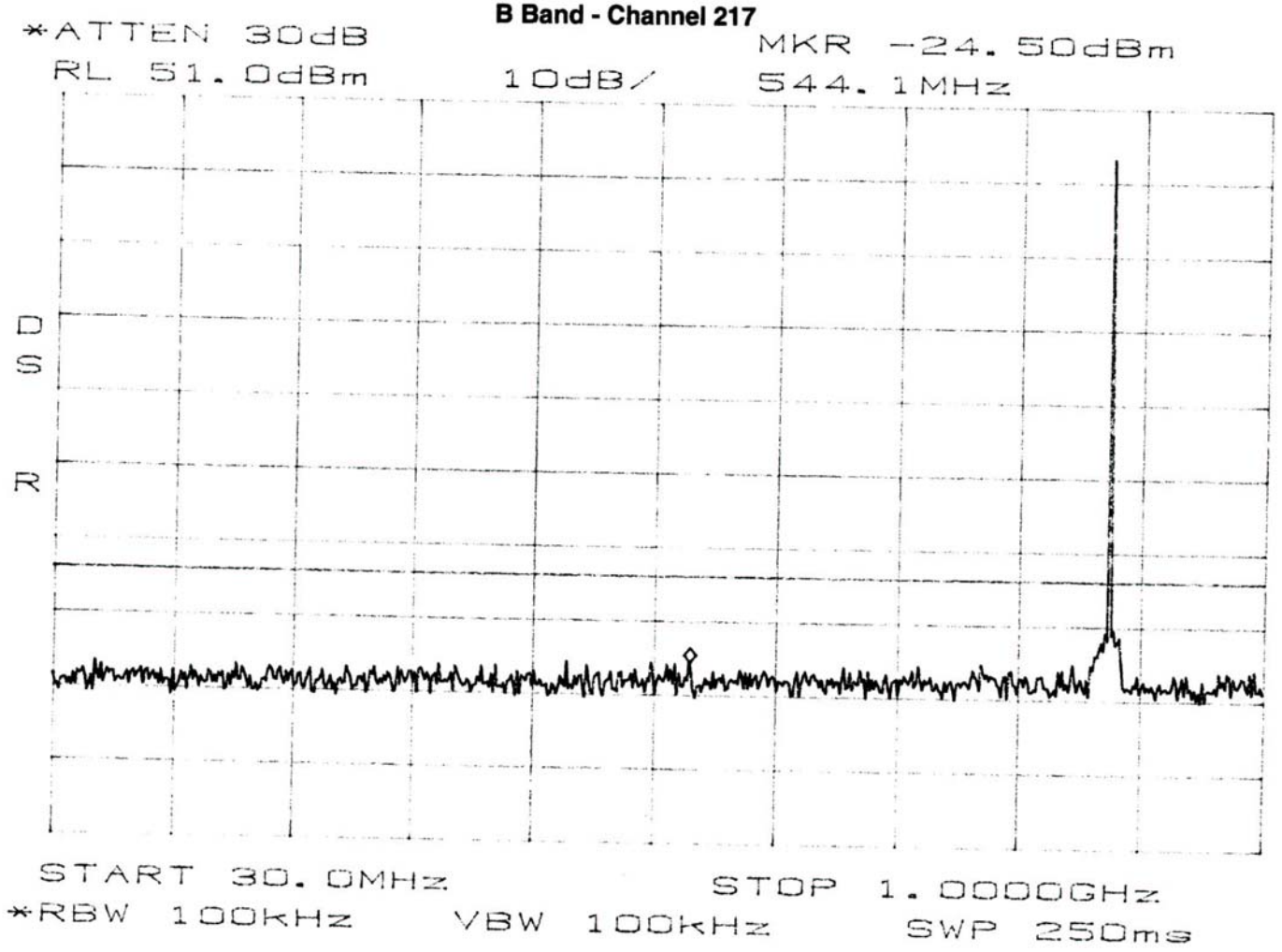
Software Defined Radio
Software Test 8
A Band - Channel 181



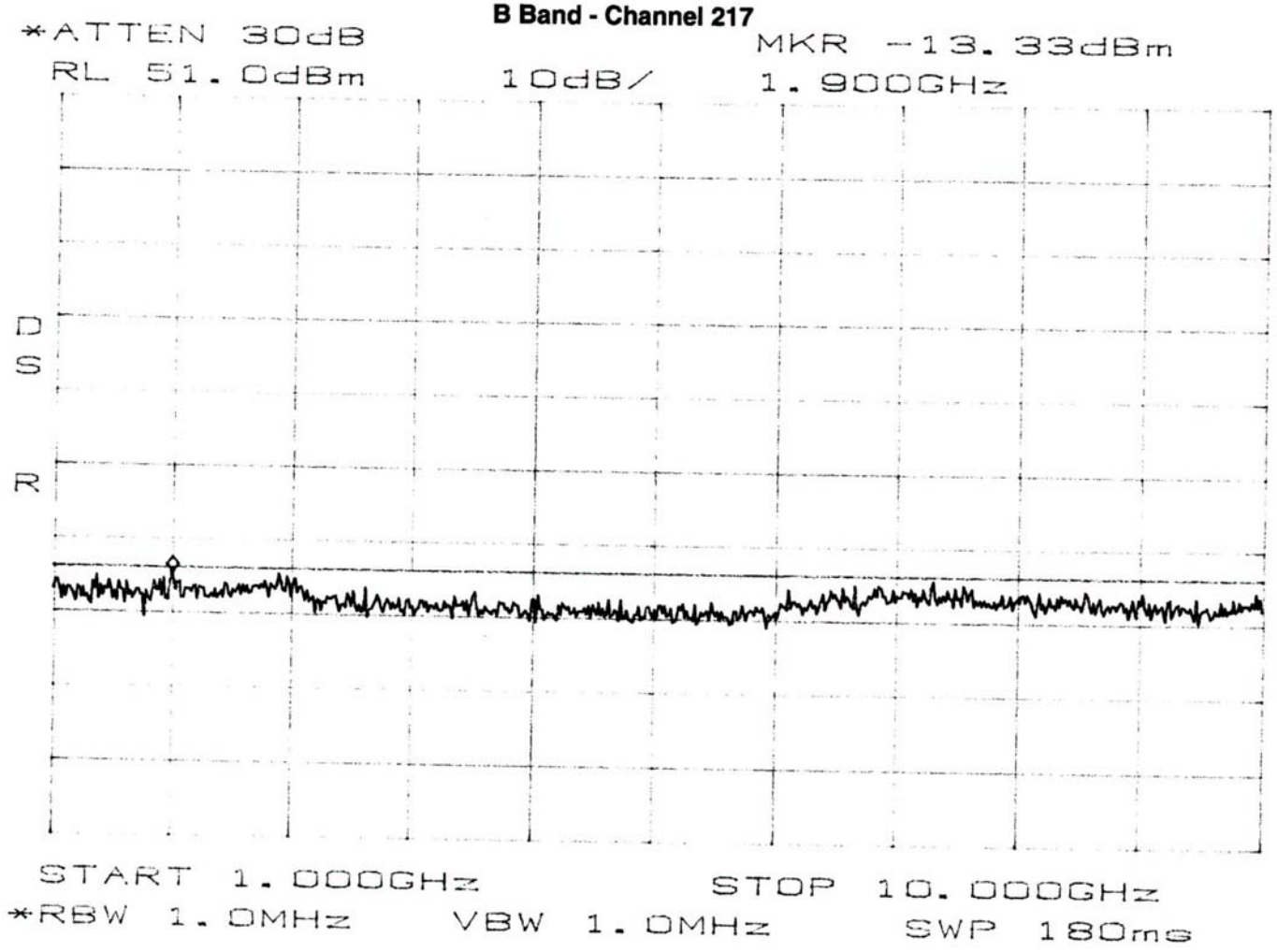
Software Defined Radio
Software Test 8
B Band - Channel 217



Software Defined Radio
Software Test 8
B Band - Channel 217



Software Defined Radio
Software Test 8
B Band - Channel 217



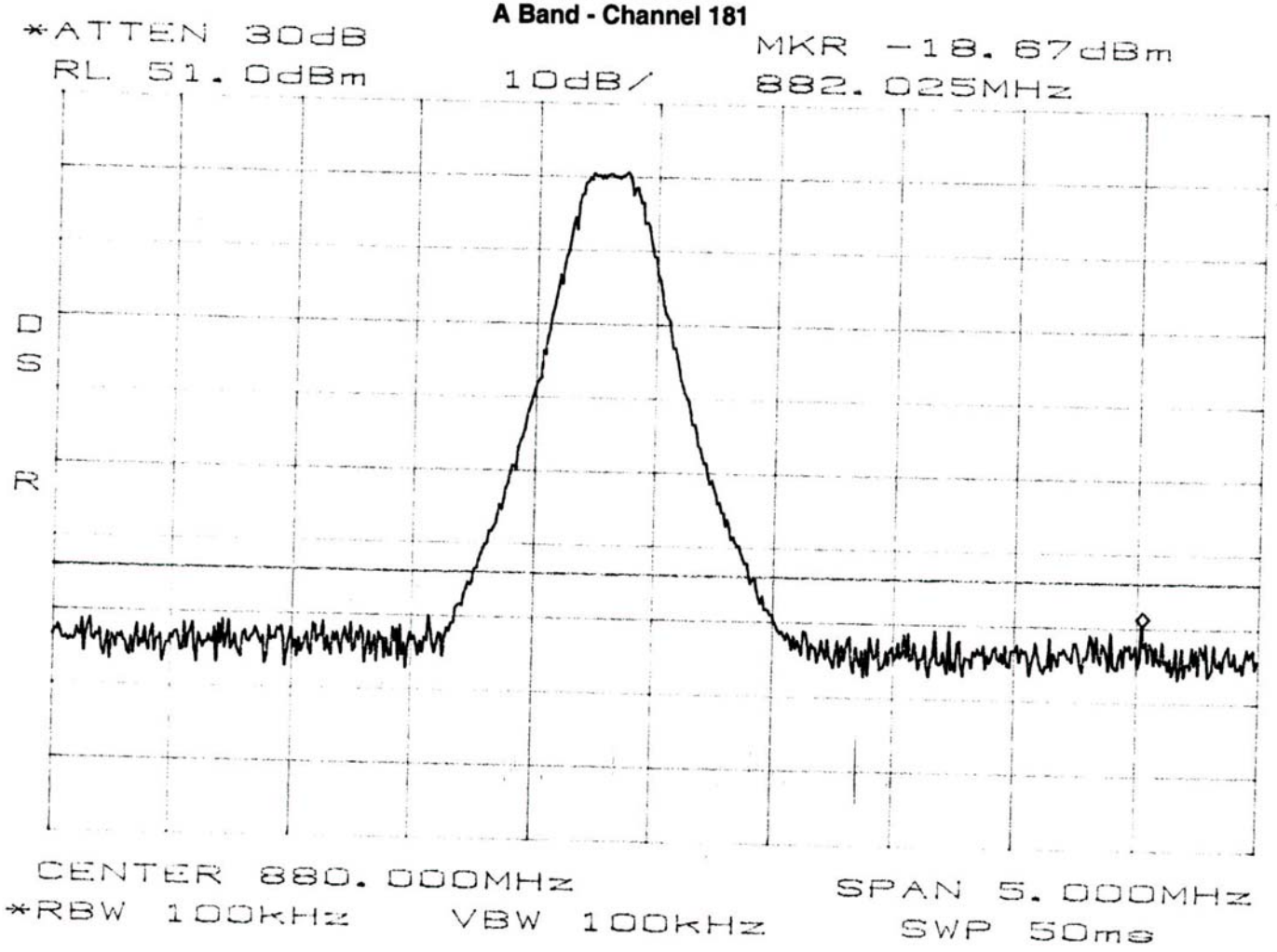
Software Test 9 for
Digivance 800 MHz 50-Watt SDR System
Model Numbers DGVS-112710SYS and DGVS-122710SYS

The out of band emissions were measured directly from the EUT antenna output with a spectrum analyzer from 30 MHz to the 10th harmonic of the highest carrier frequency. The Software Test 9 simulates the GSM signal created from a random sequence of 266604 symbols.

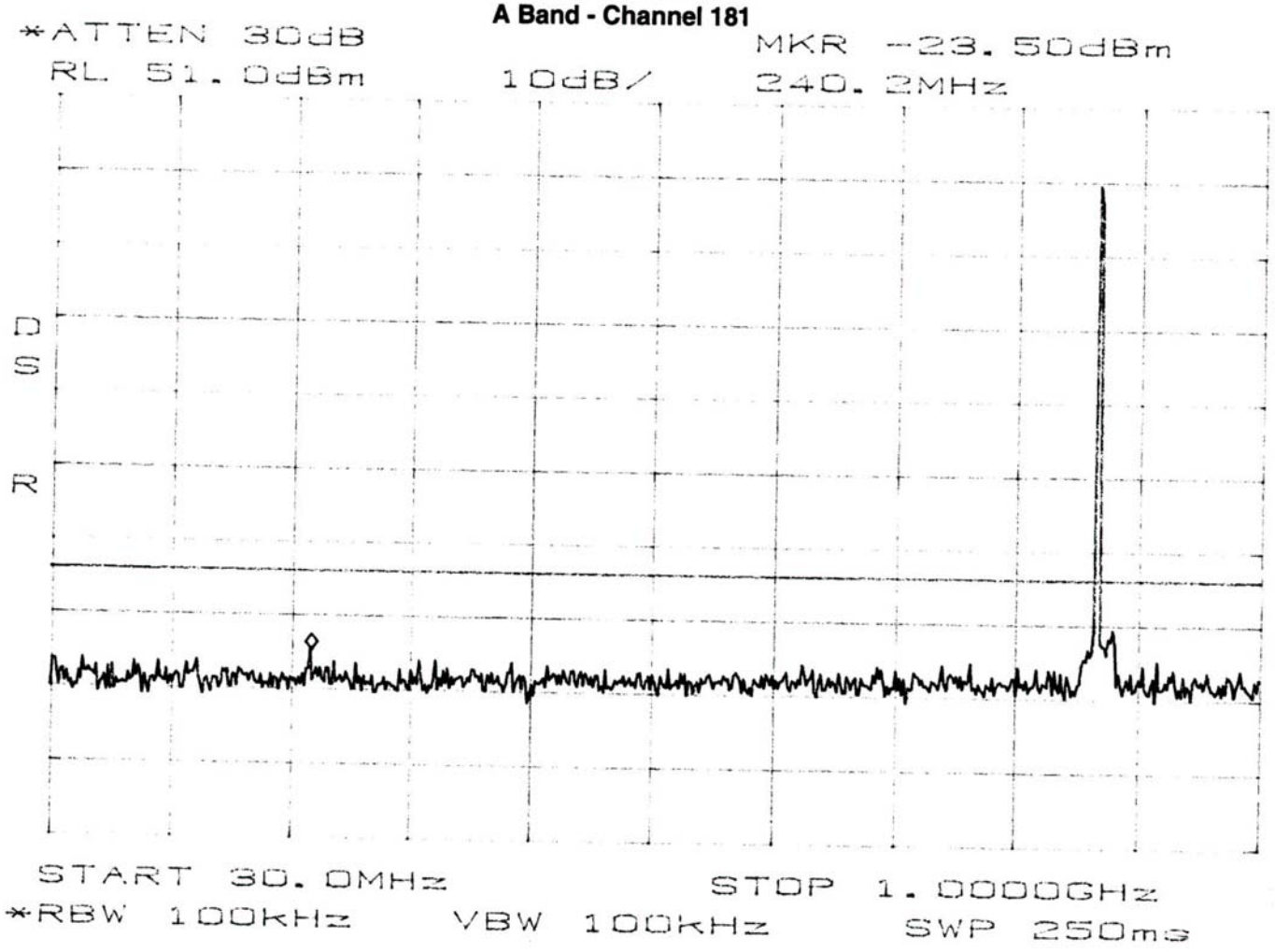
Results:

Pass (see plots)

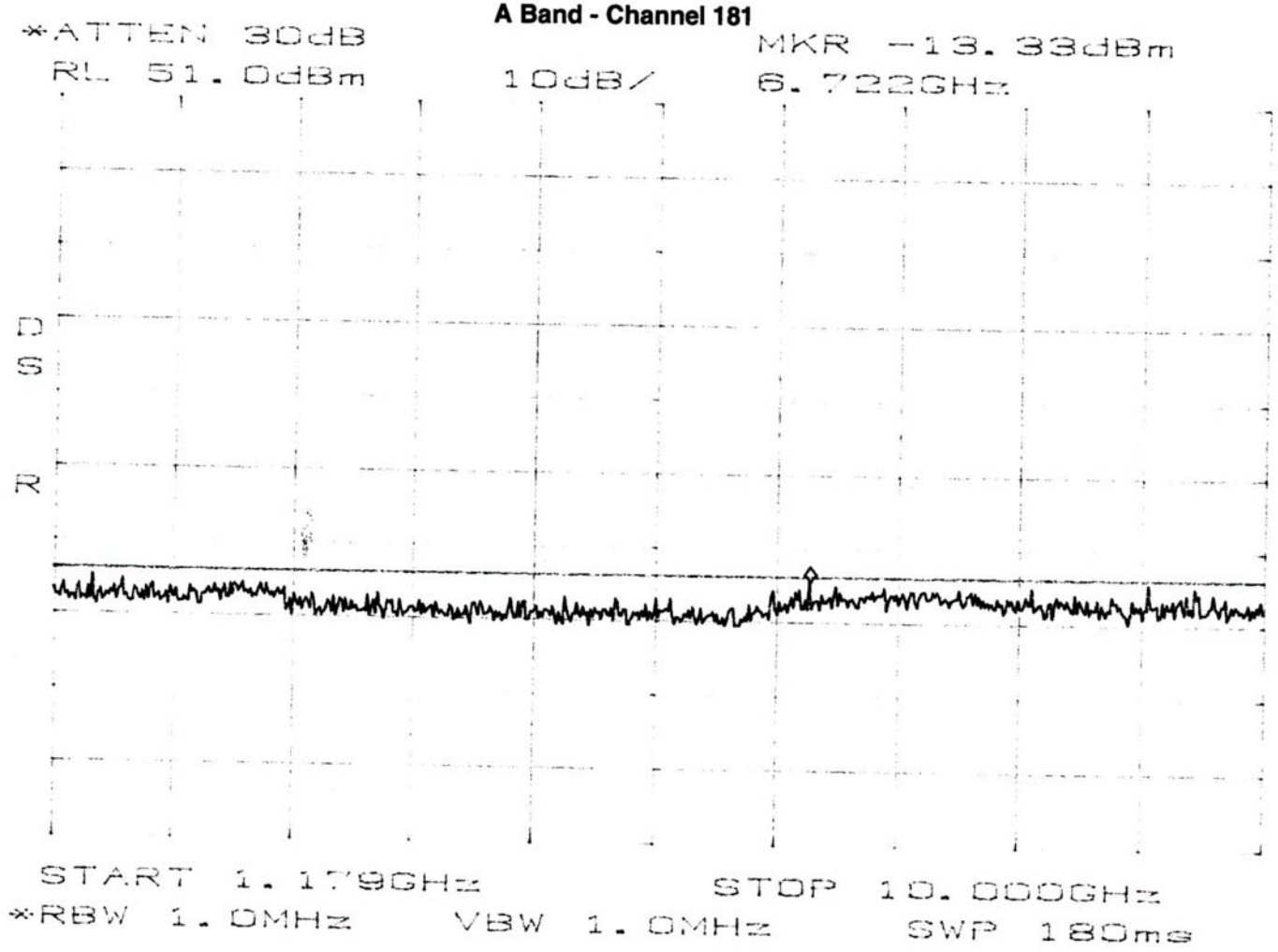
Software Defined Radio
Software Test 9
A Band - Channel 181



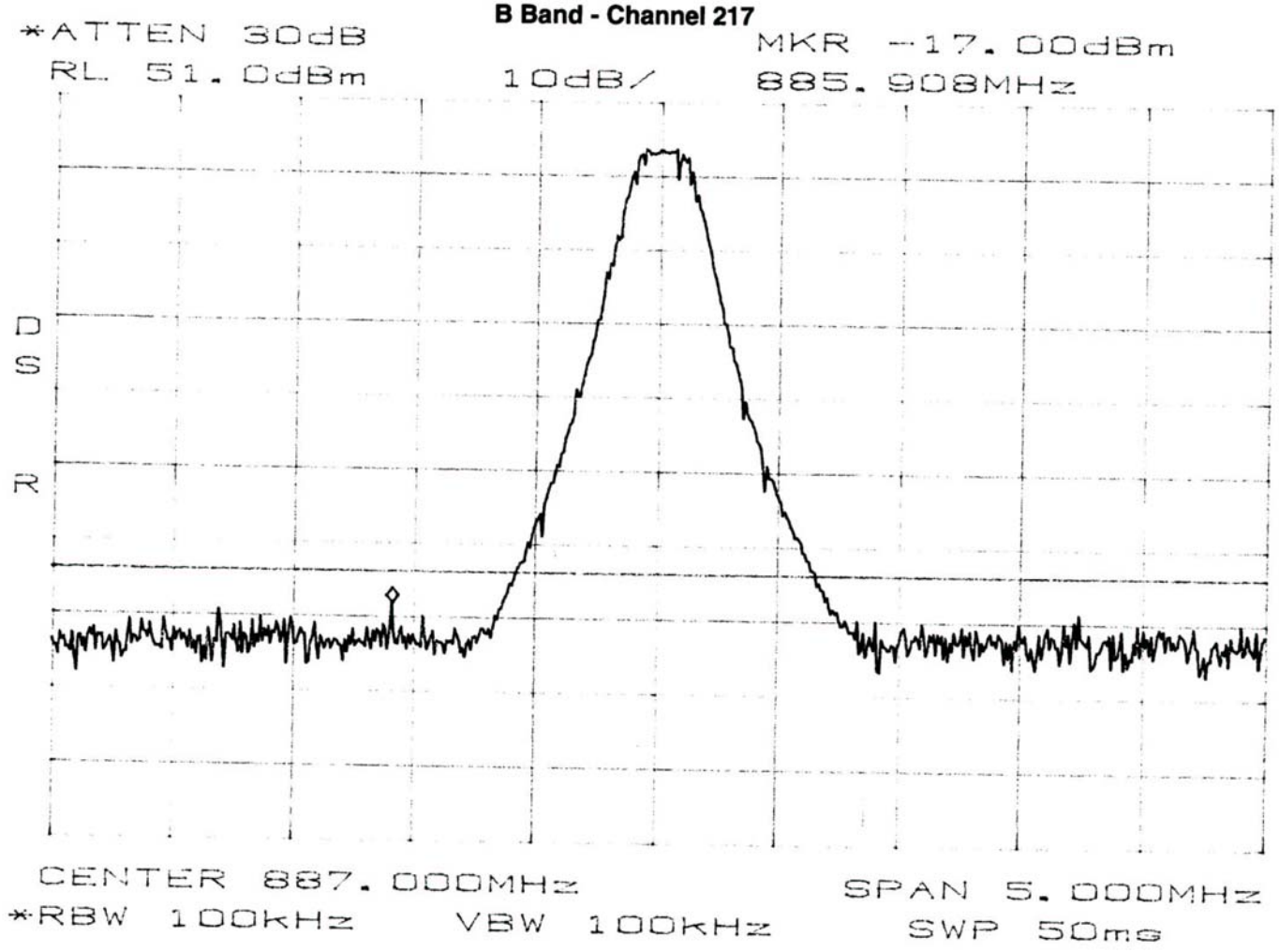
Software Defined Radio
Software Test 9
A Band - Channel 181



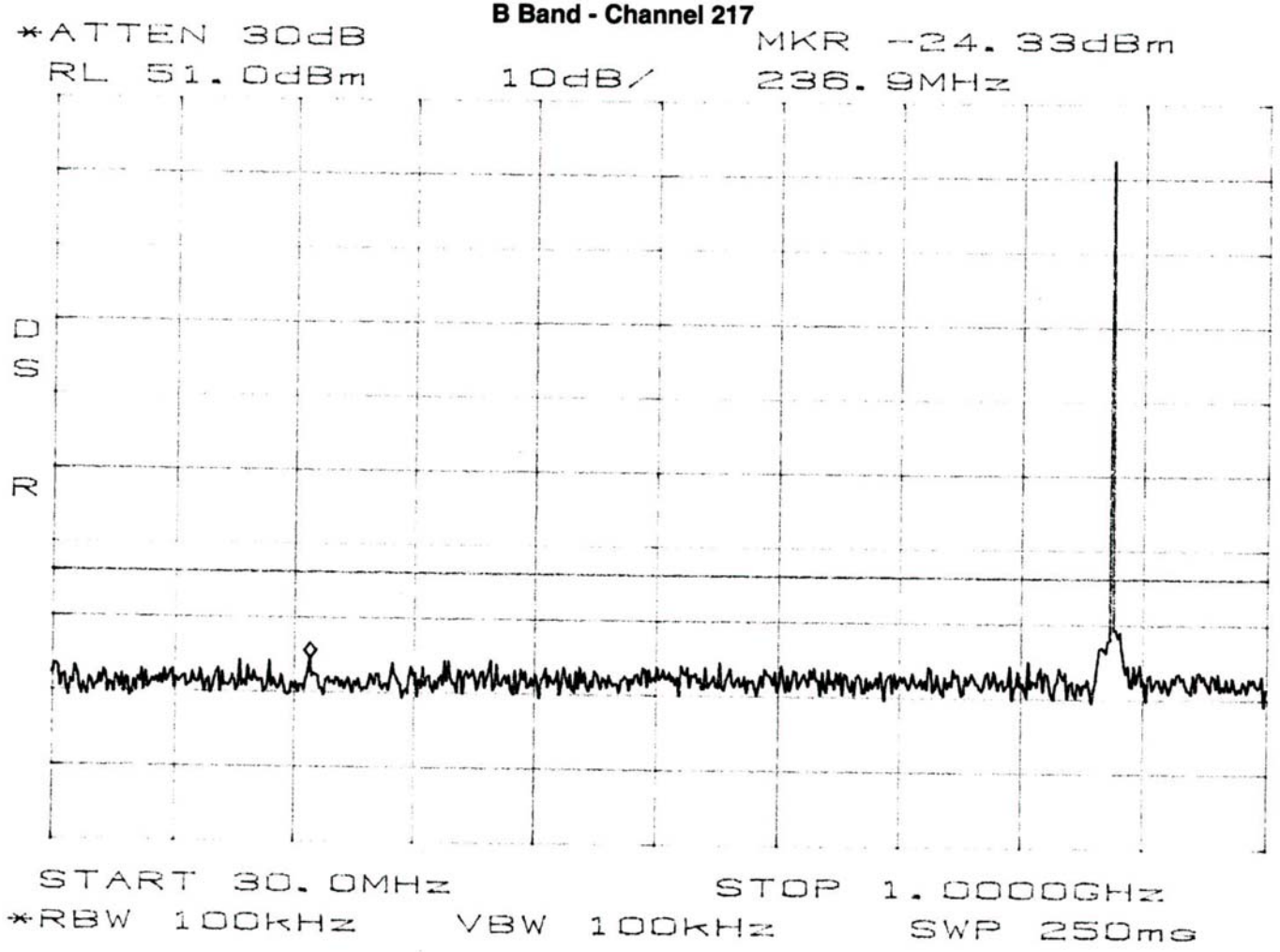
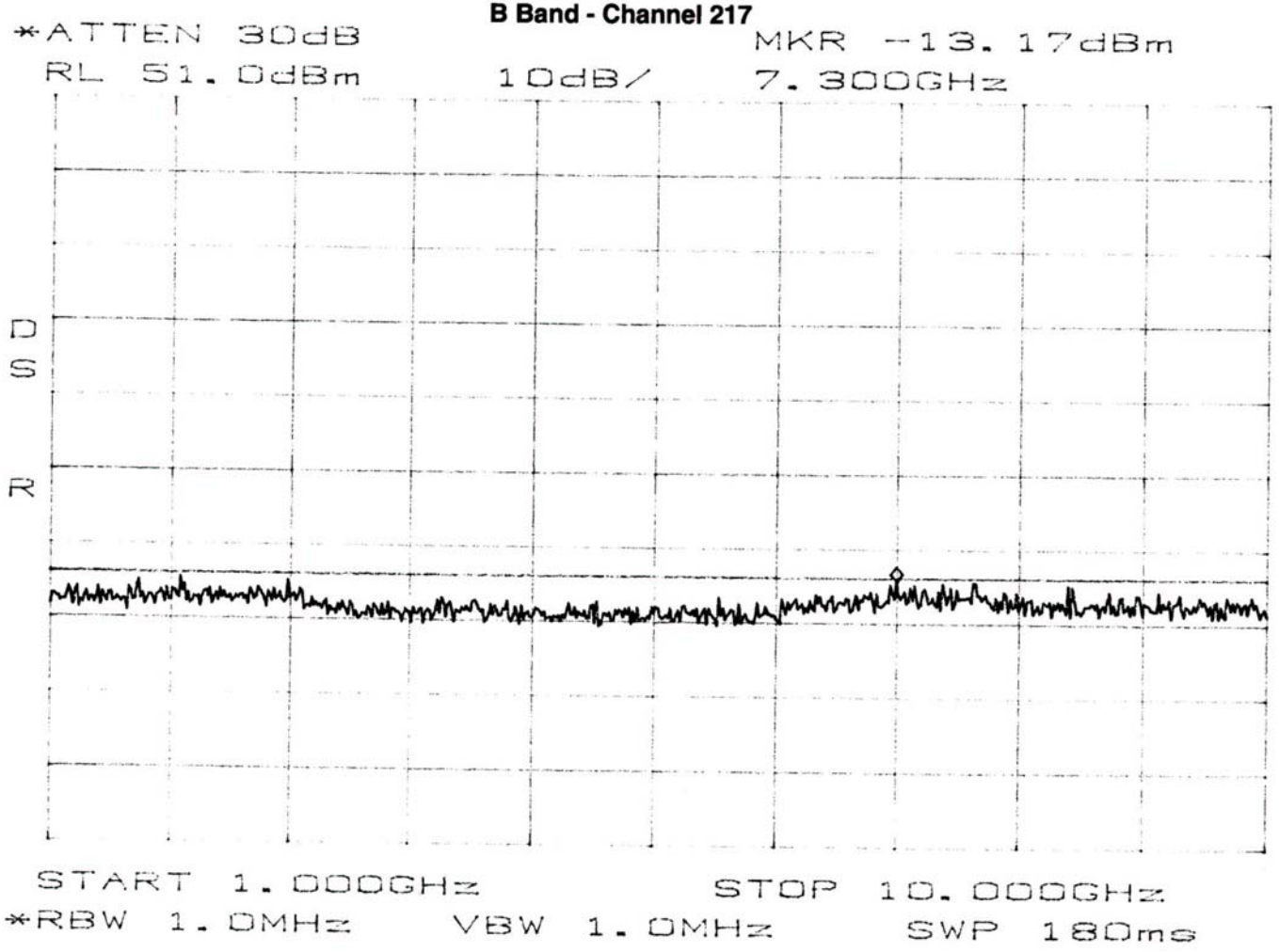
Software Defined Radio
Software Test 9
A Band - Channel 181



Software Defined Radio
Software Test 9
B Band - Channel 217



Software Defined Radio
Software Test 9
B Band - Channel 217



Software Defined Radio
Software Test 9
B Band - Channel 217