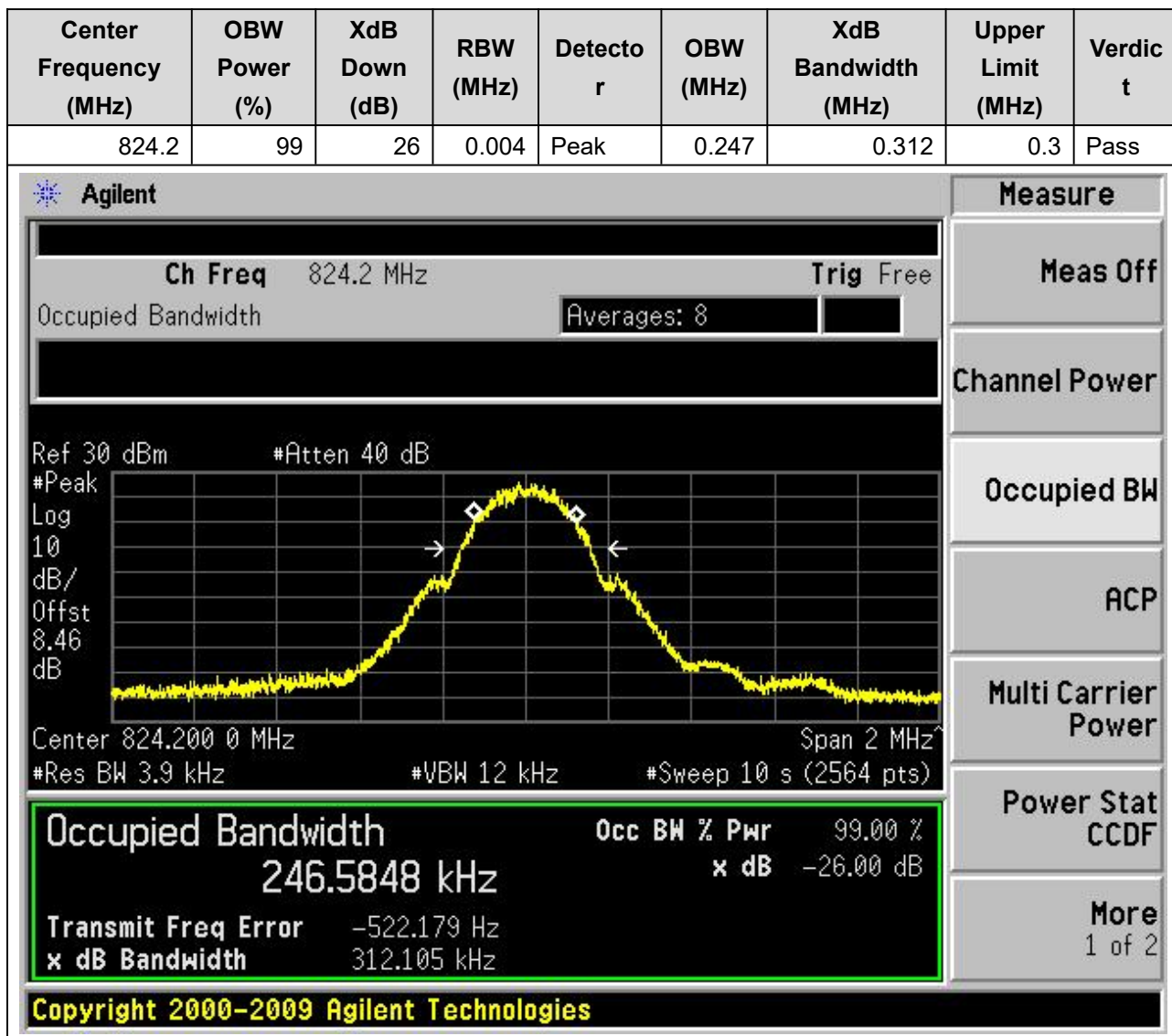


Annex A.3 Occupied Bandwidth

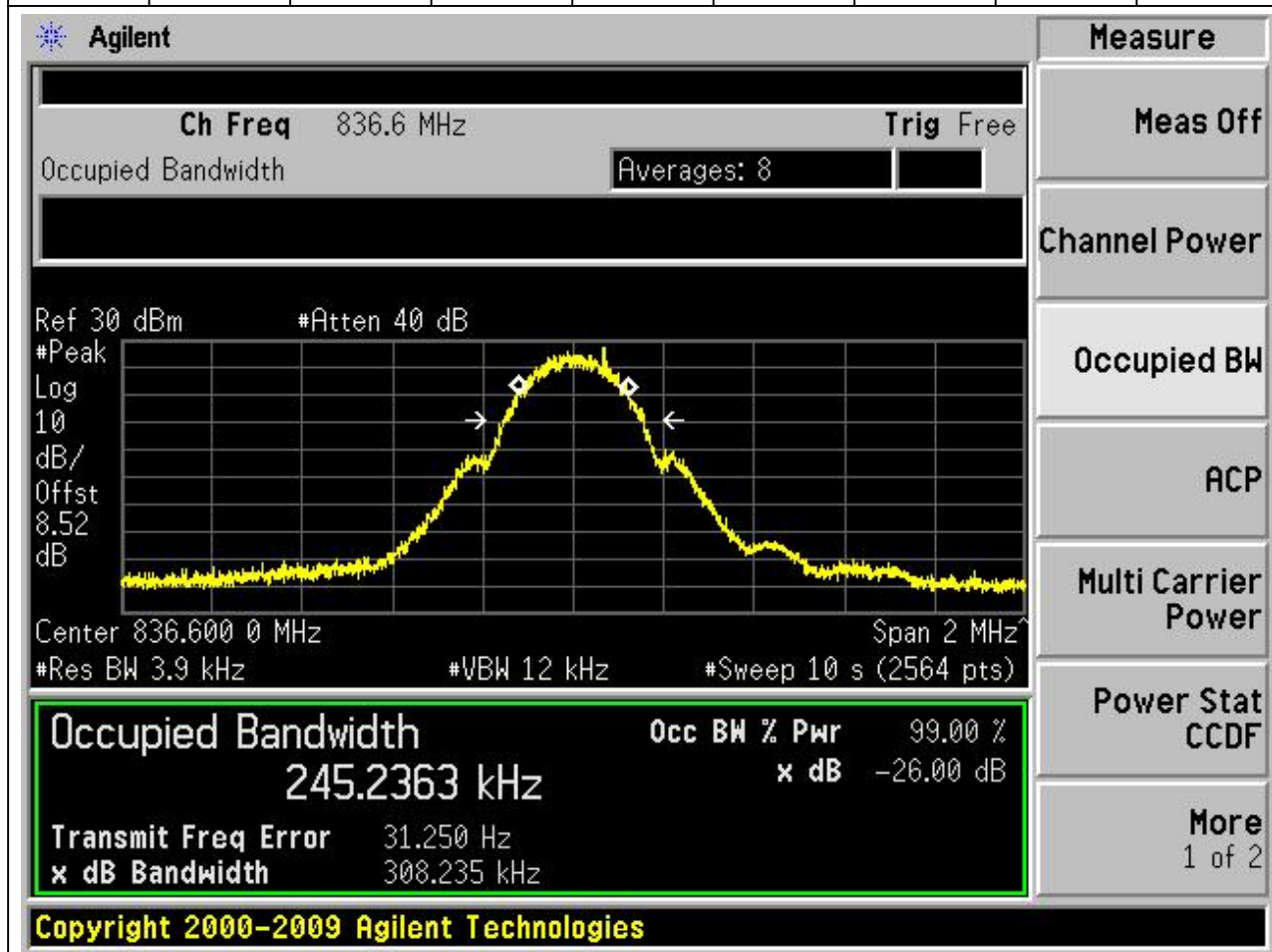
1. GSM_GSM850

1.1 GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:128)



1.2 GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:190)

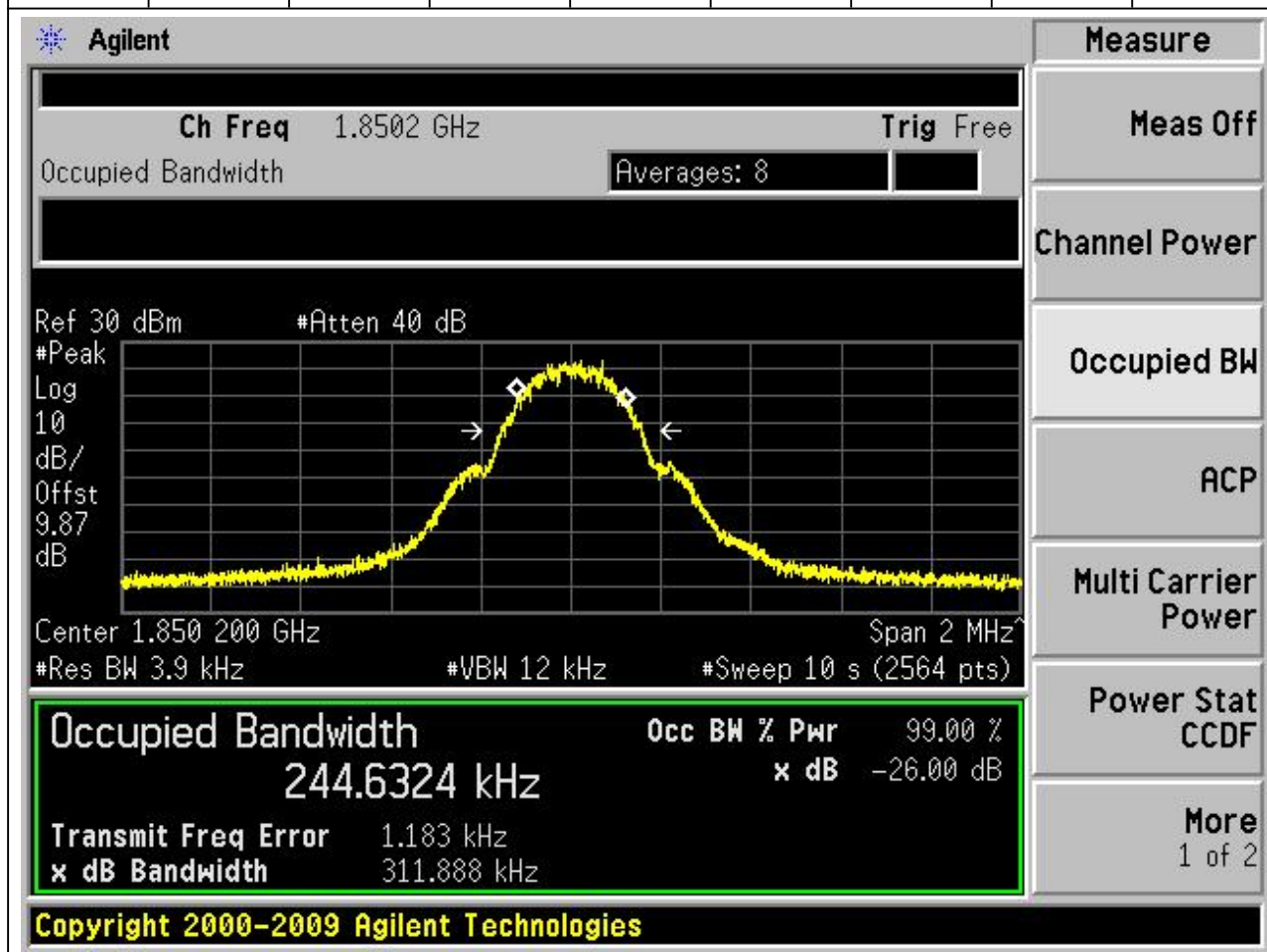
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.6	99	26	0.004	Peak	0.245	0.308	0.3	Pass



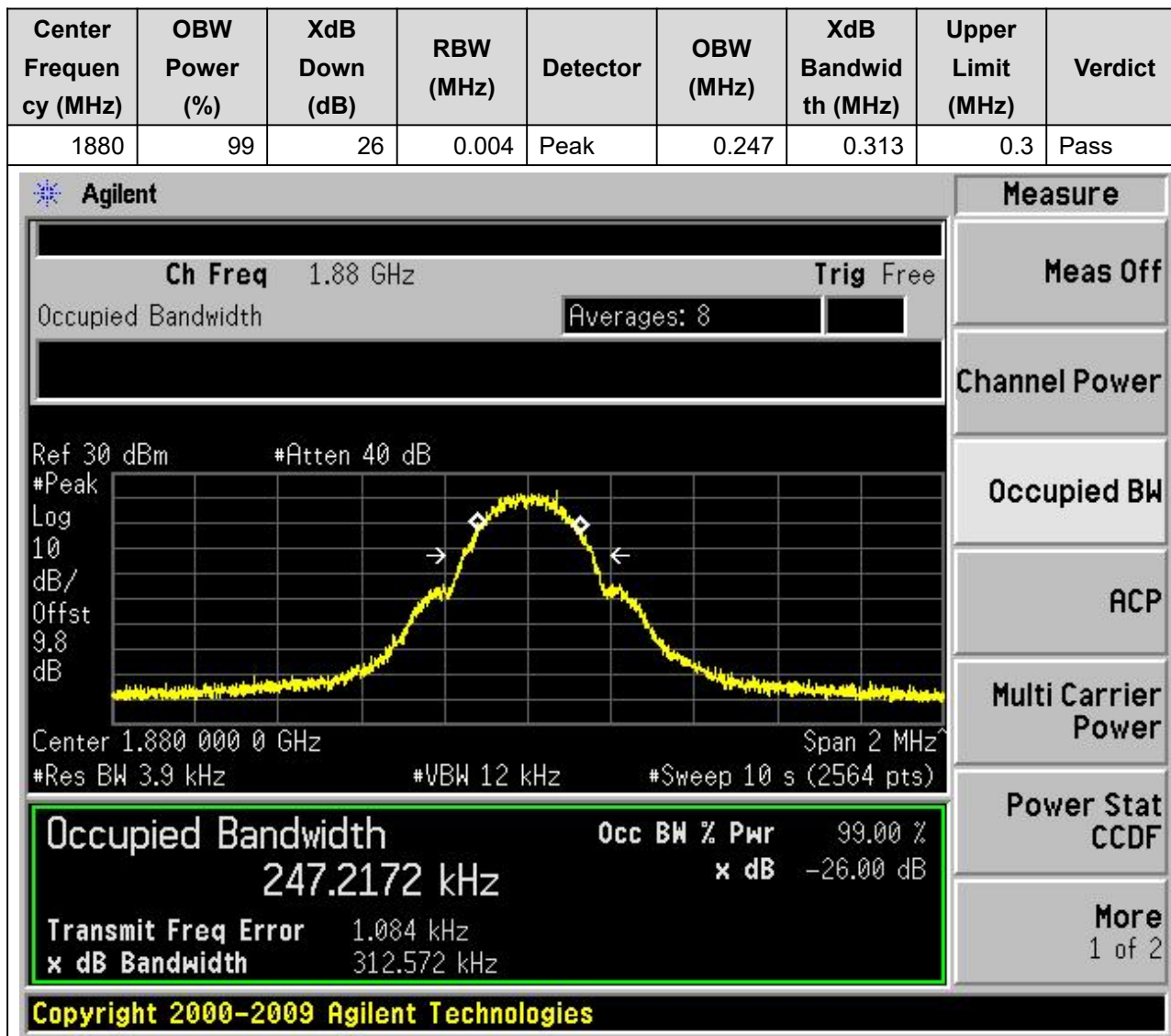
2. GSM_PCS

2.1 GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:512)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.2	99	26	0.004	Peak	0.245	0.312	0.3	Pass

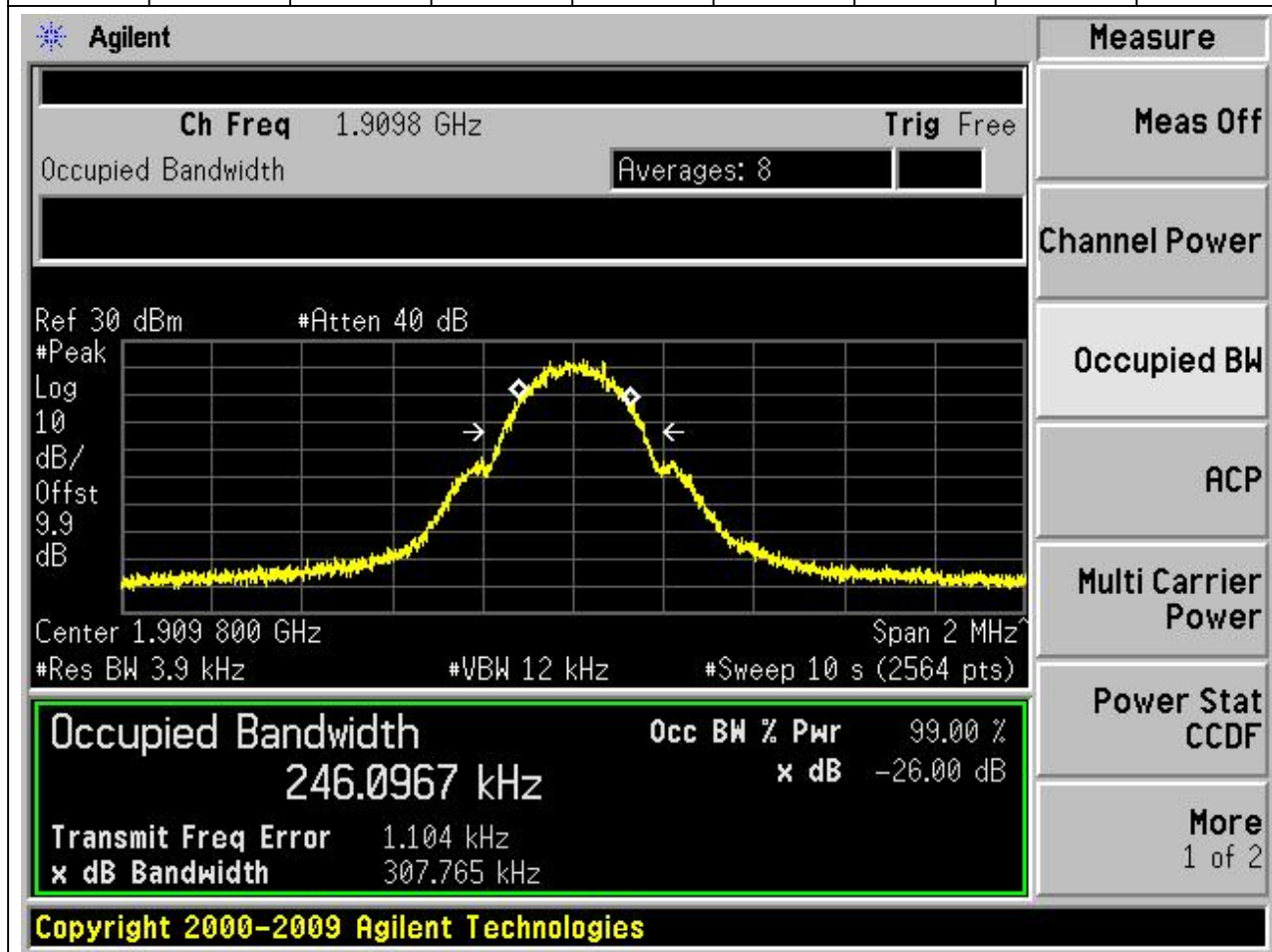


2.2 GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:661)



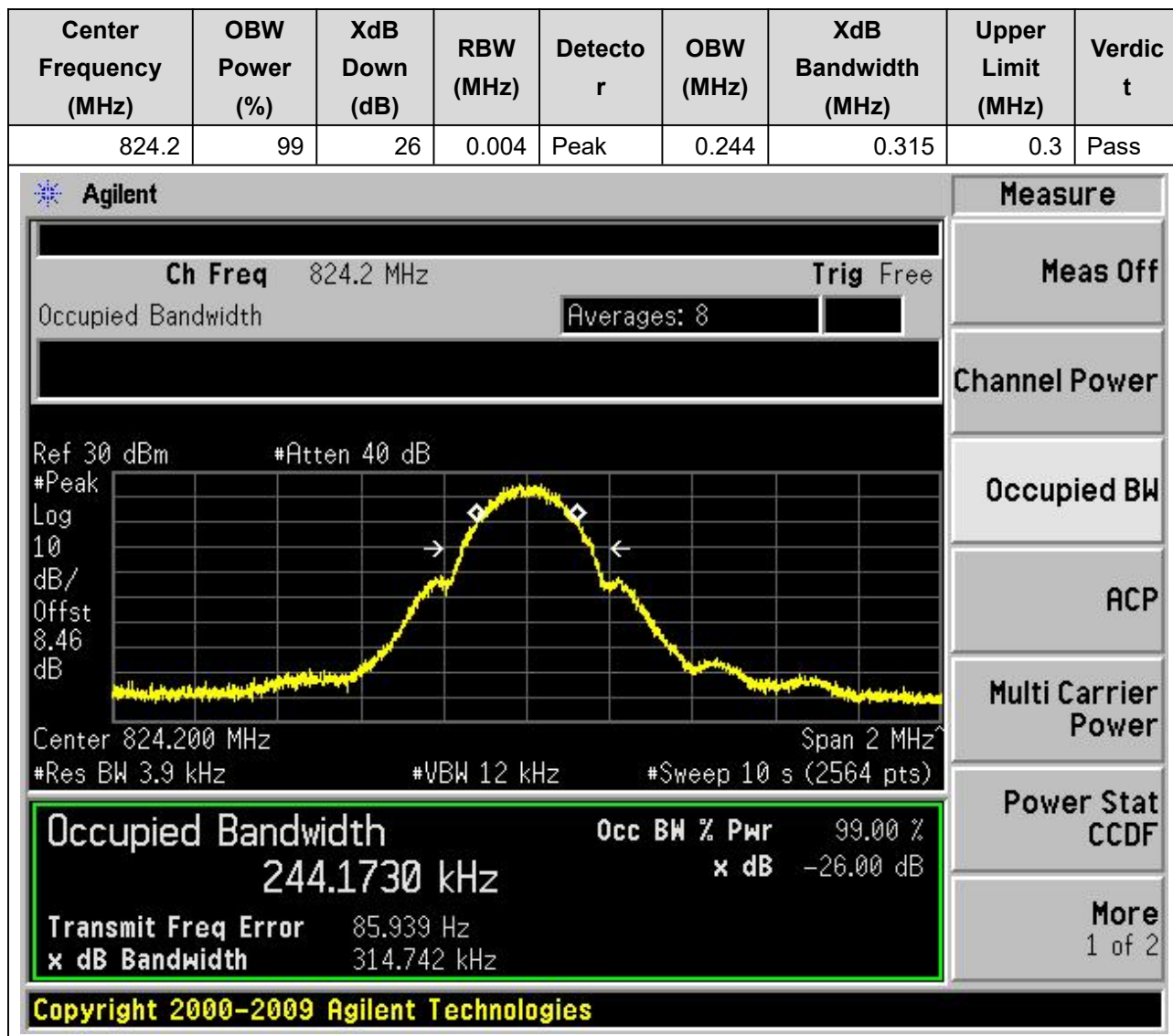
2.3 GSM Occupied Bandwidth_Part22-24(NTNV)(Channel:810)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.246	0.308	0.3	Pass



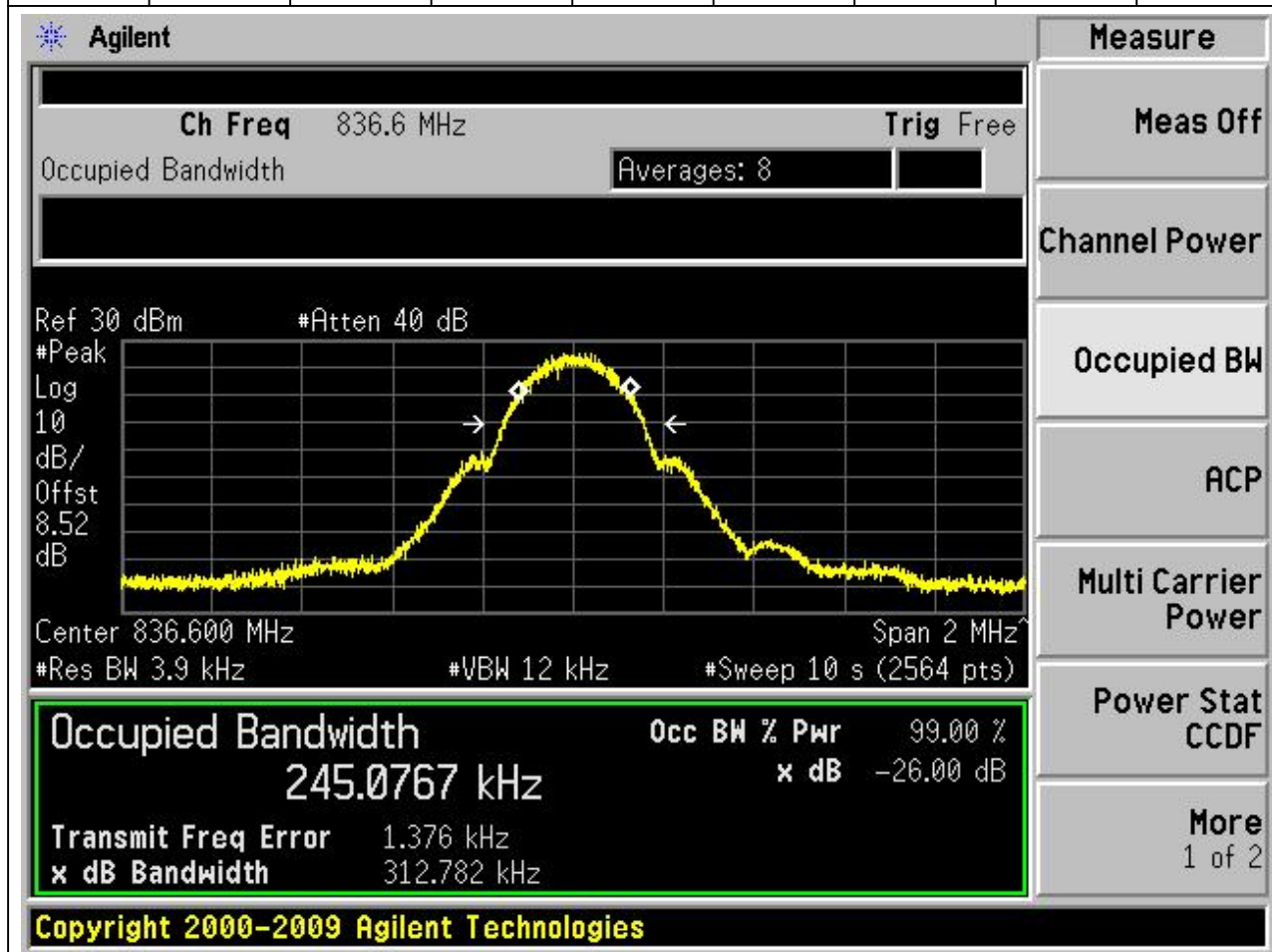
3. GPRS_GSM850

3.1 GPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:128)



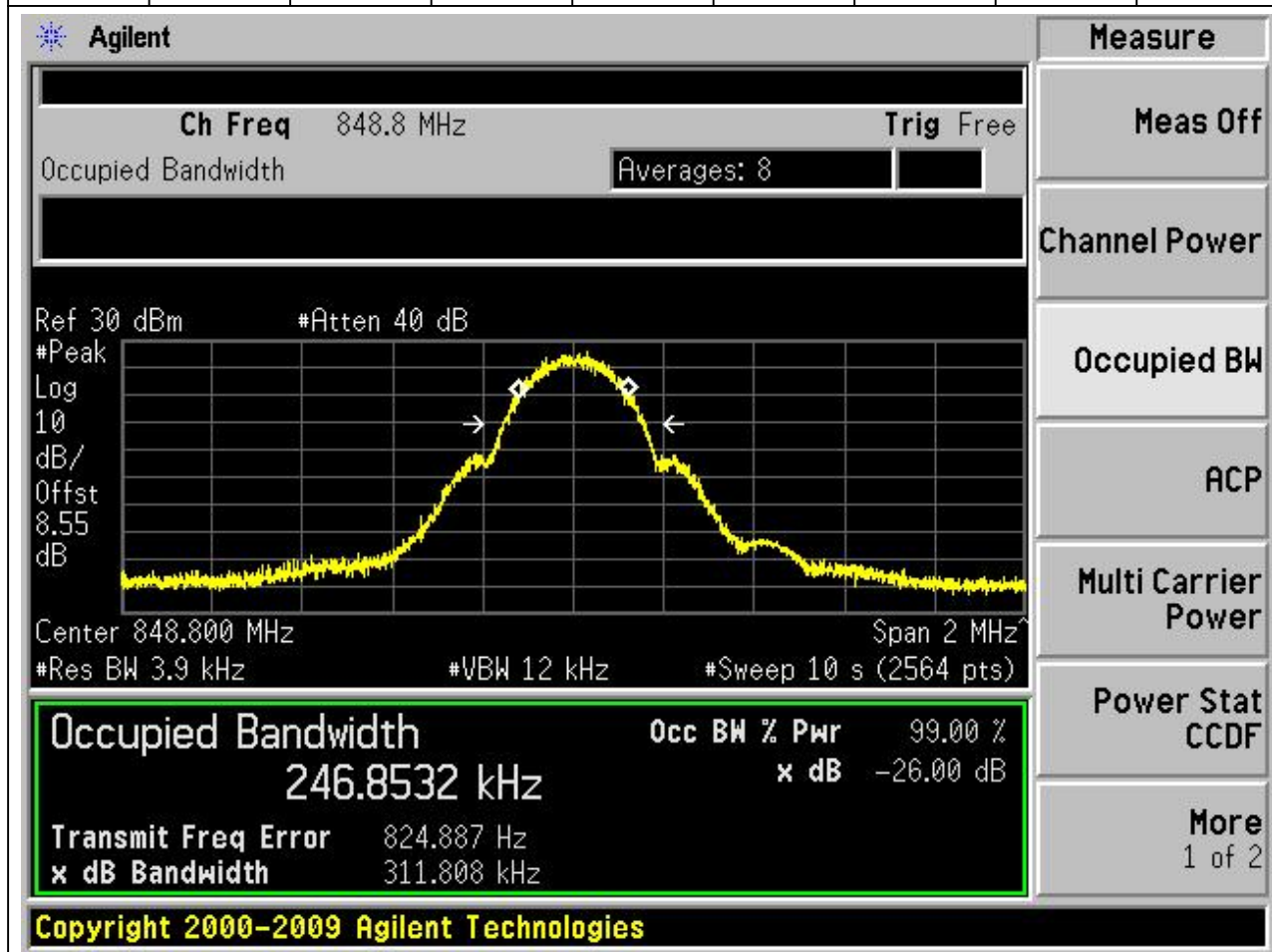
3.2 GPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:190)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
836.6	99	26	0.004	Peak	0.245	0.313	0.3	Pass



3.3 GPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:251)

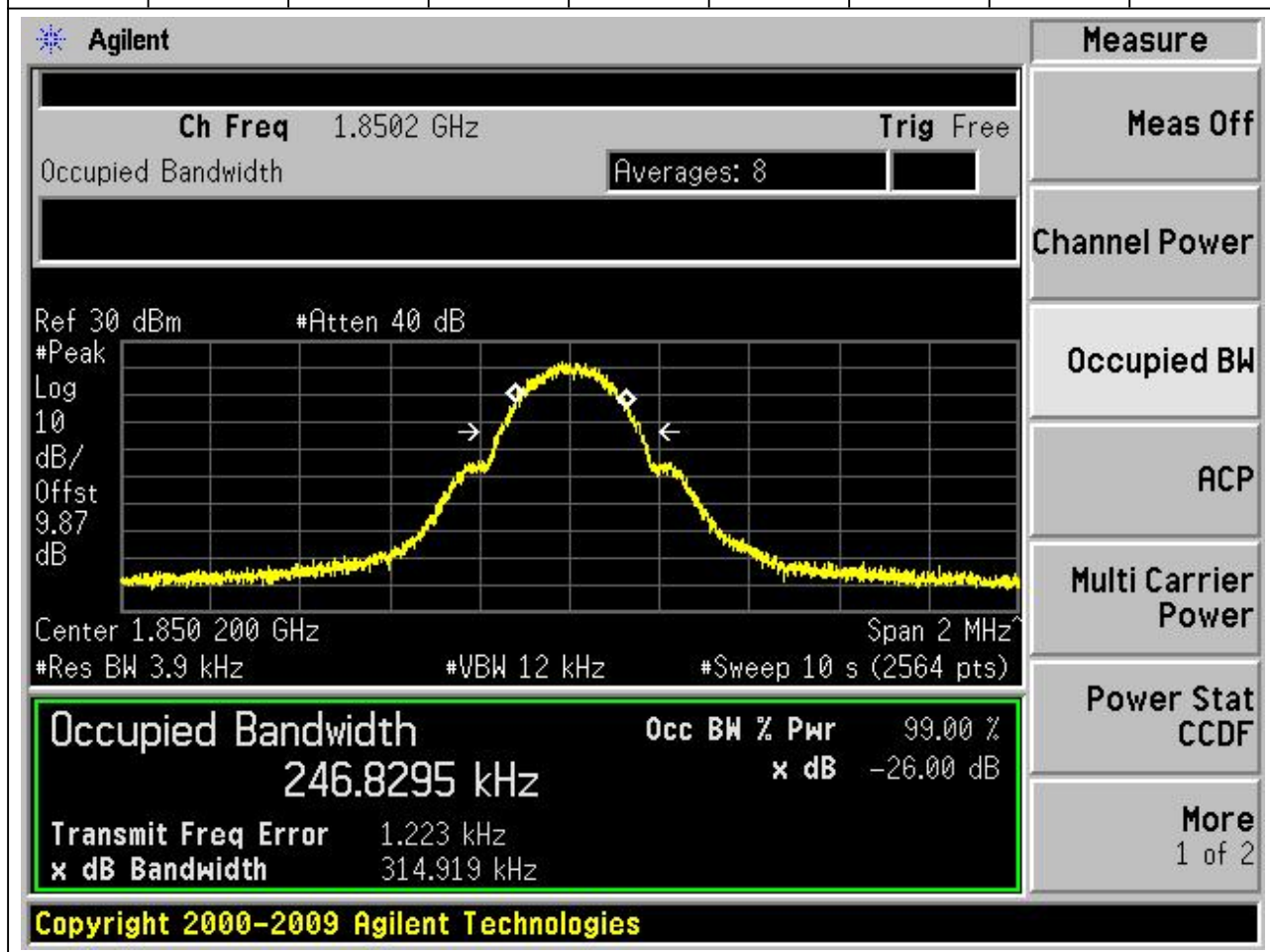
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
848.8	99	26	0.004	Peak	0.247	0.312	0.3	Pass



4. GPRS_PCS

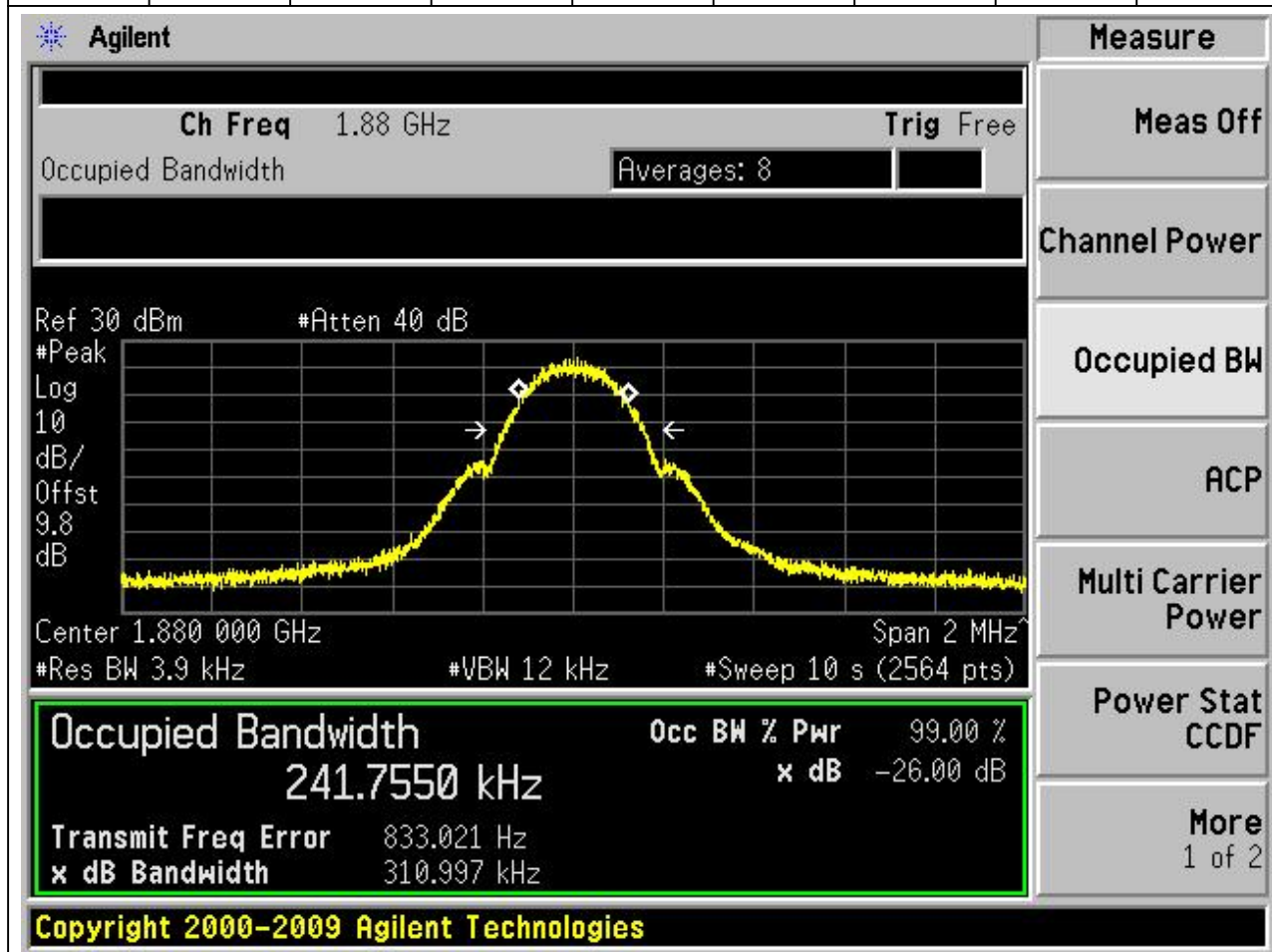
4.1 GPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:512)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1850.2	99	26	0.004	Peak	0.247	0.315	0.3	Pass



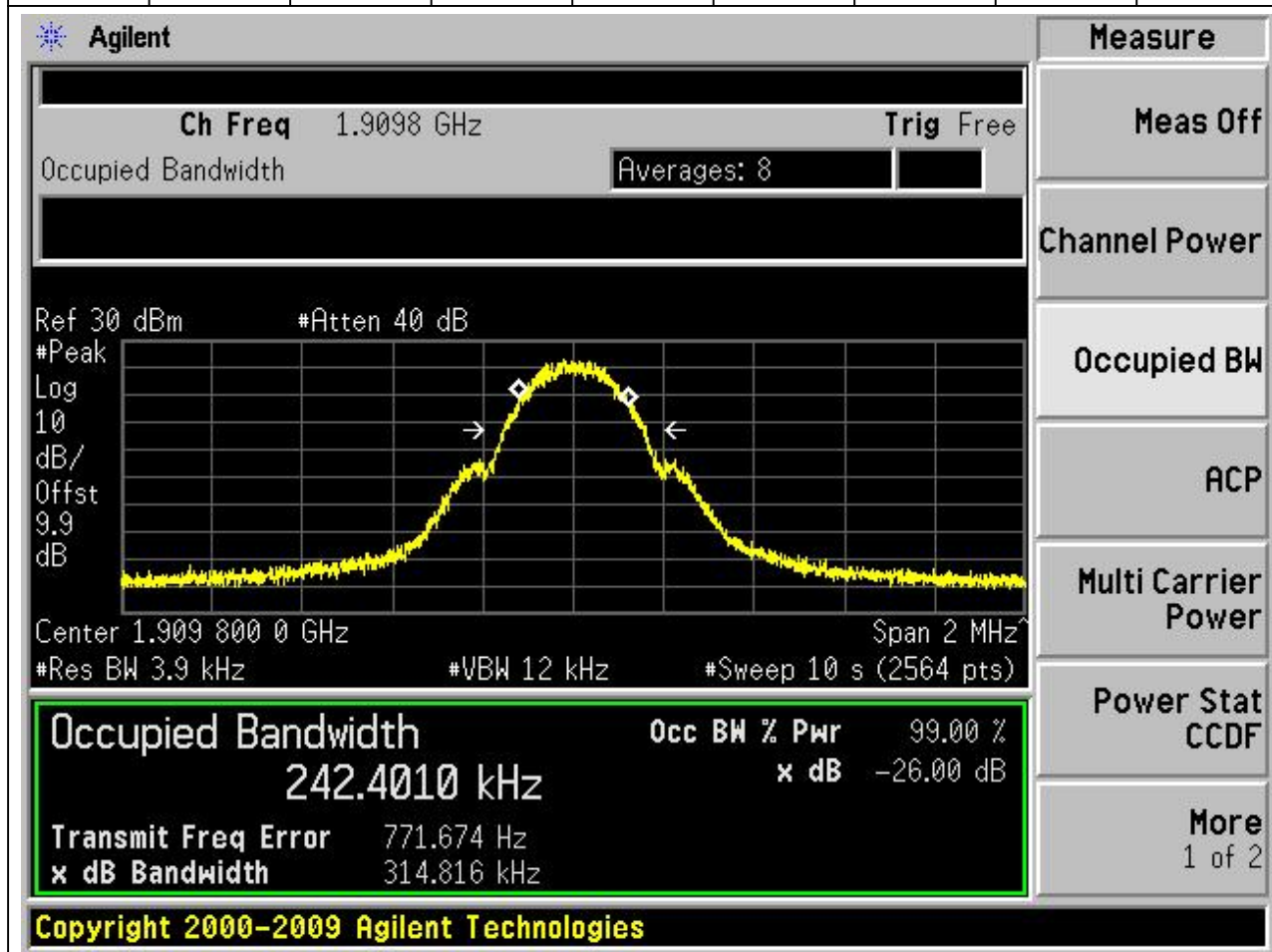
4.2 GPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:661)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.004	Peak	0.242	0.311	0.3	Pass



4.3 GPRS Occupied Bandwidth_Part22-24(NTNV)(Channel:810)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1909.8	99	26	0.004	Peak	0.242	0.315	0.3	Pass



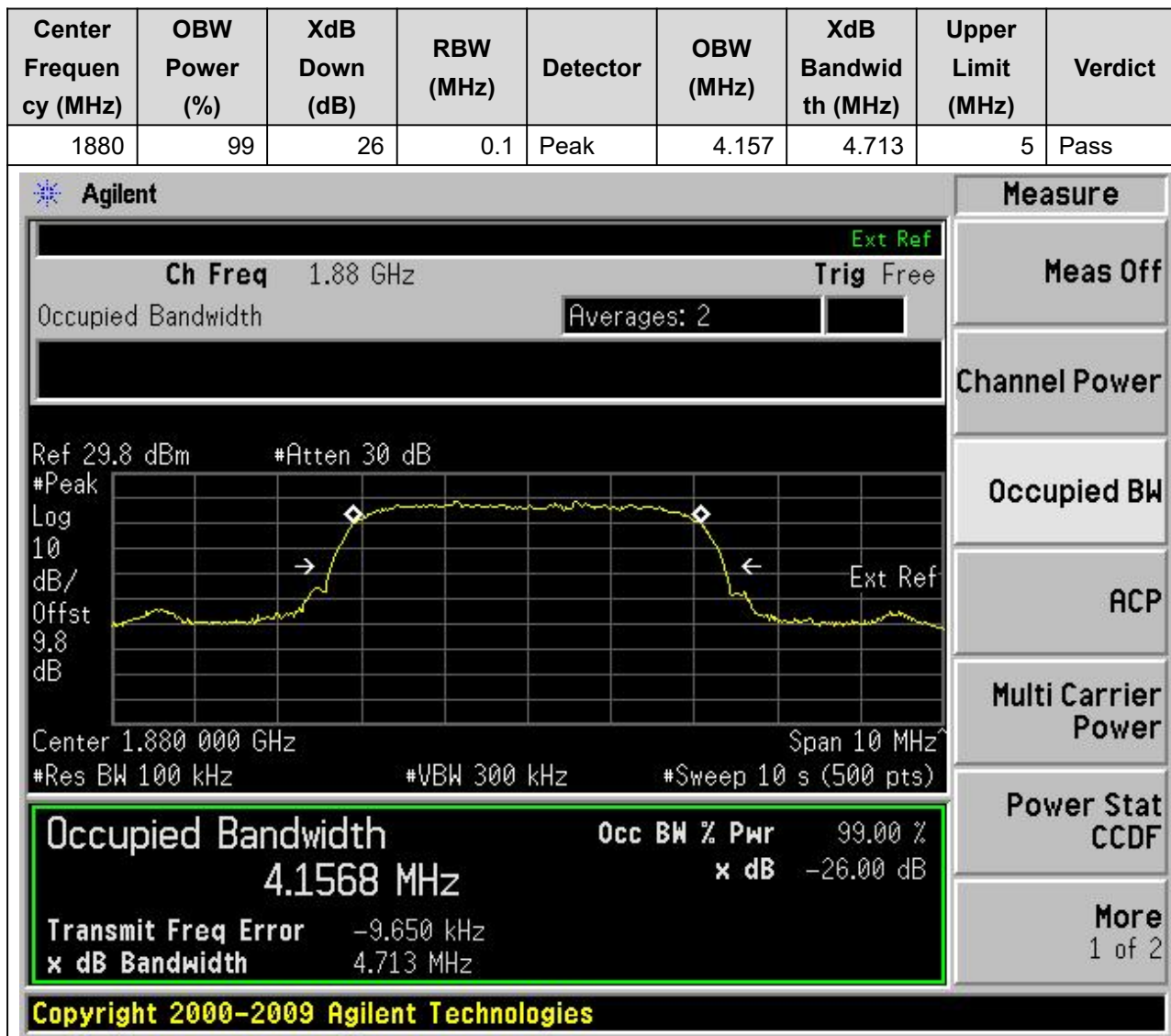
5. WCDMA_Band2

5.1 WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:9262)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.4	99	26	0.1	Peak	4.163	4.723	5	Pass

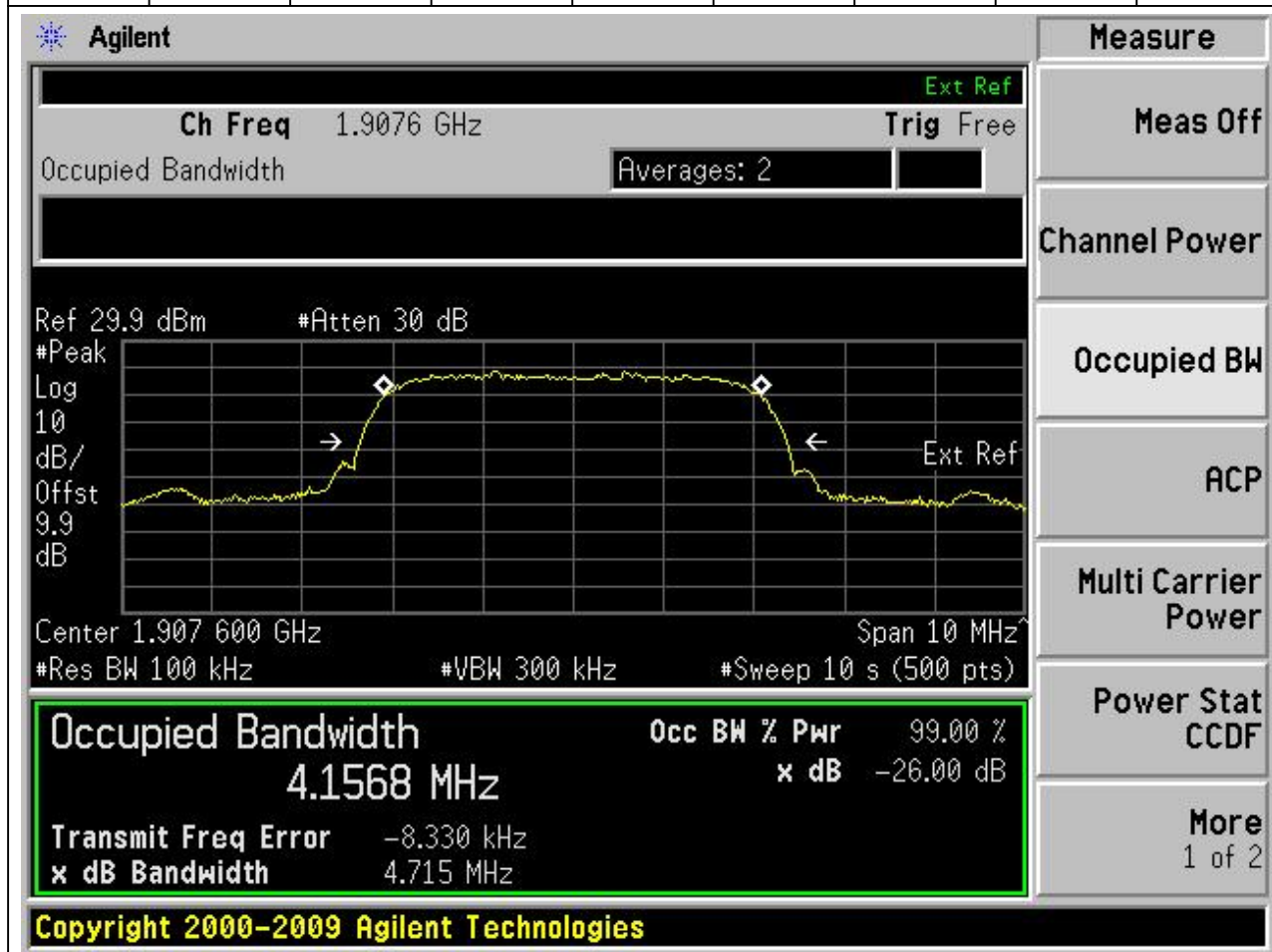


5.2 WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:9400)



5.3 WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:9538)

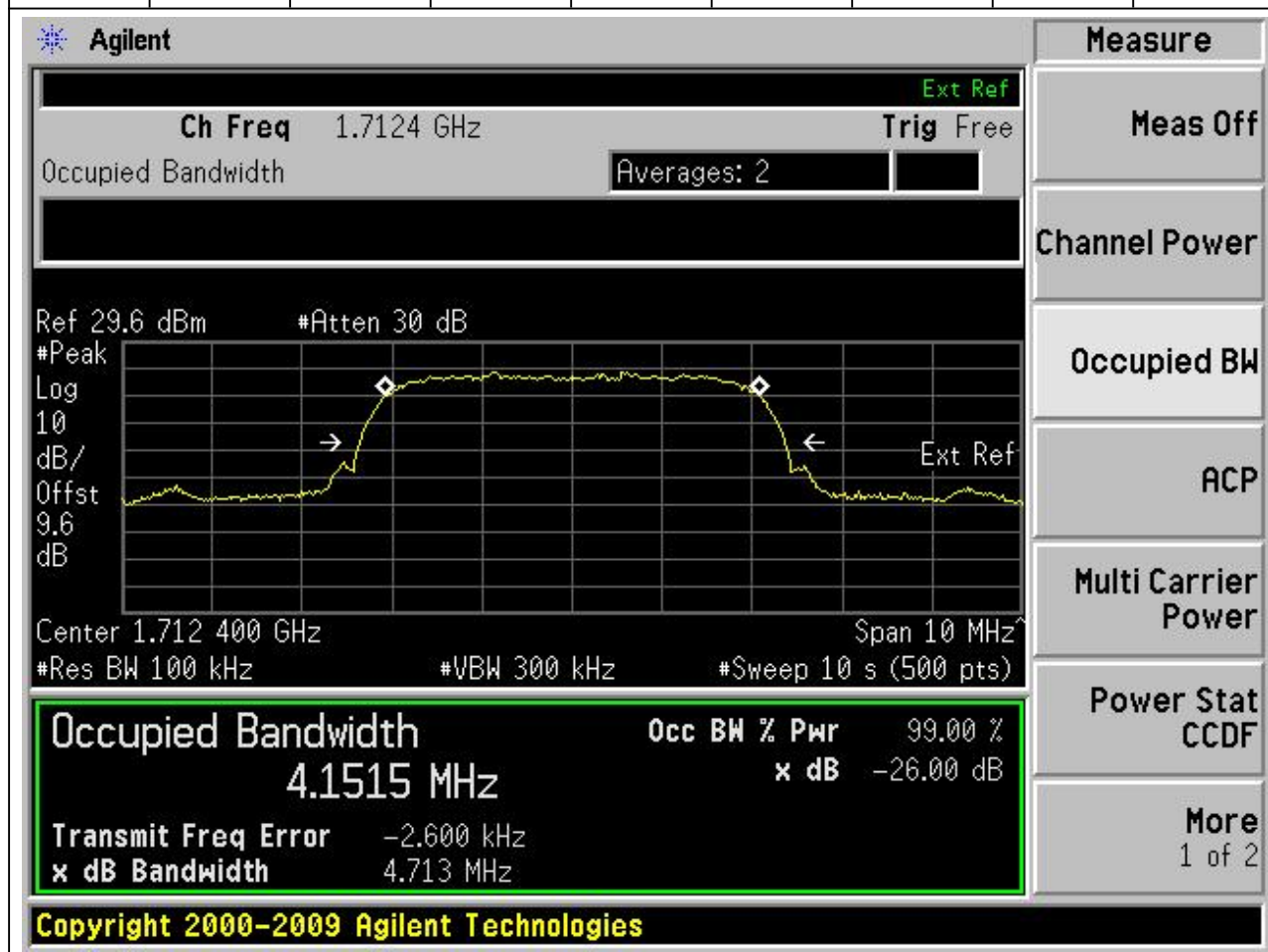
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1907.6	99	26	0.1	Peak	4.157	4.715	5	Pass



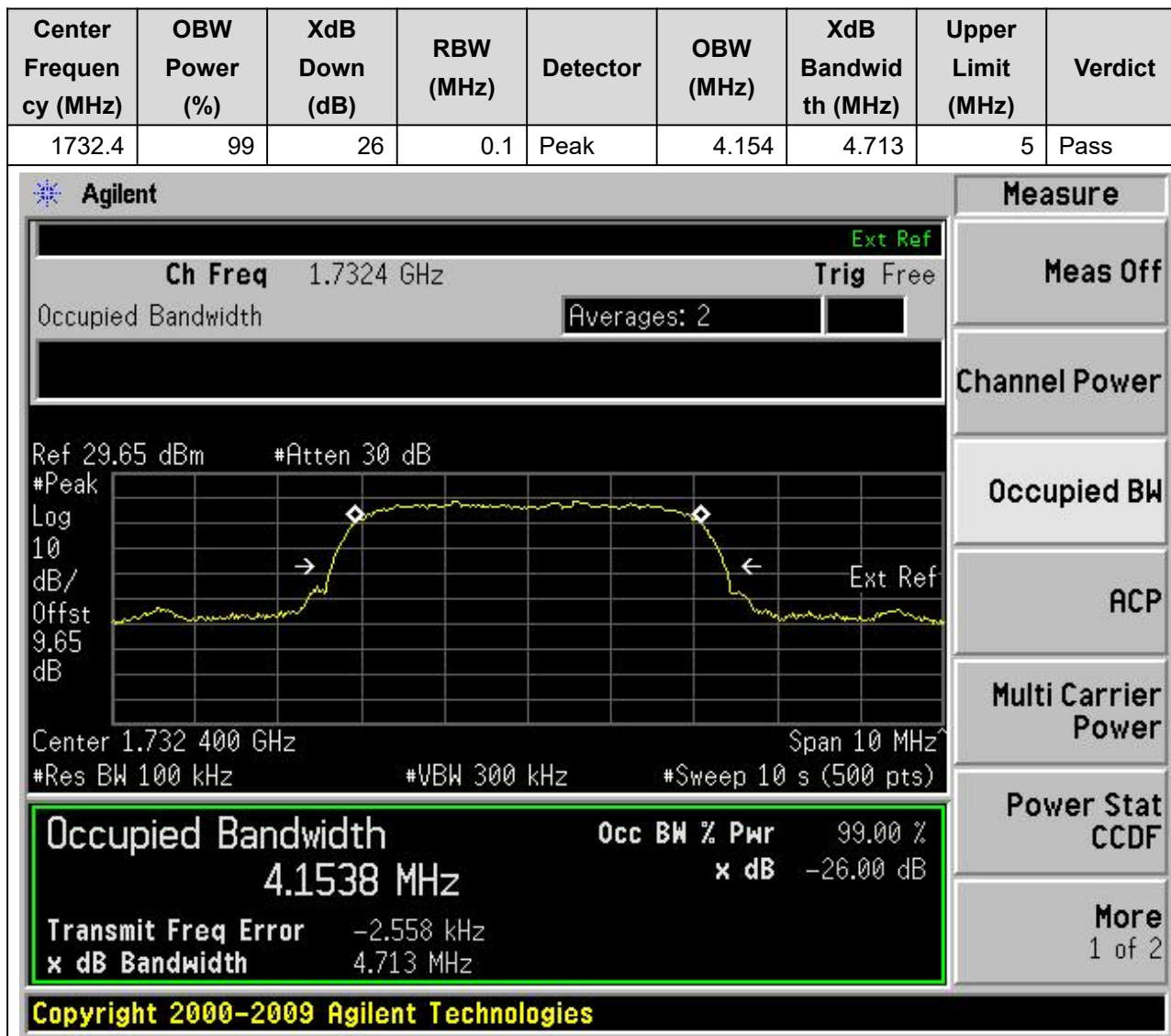
6. WCDMA_Band4

6.1 WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:1312)

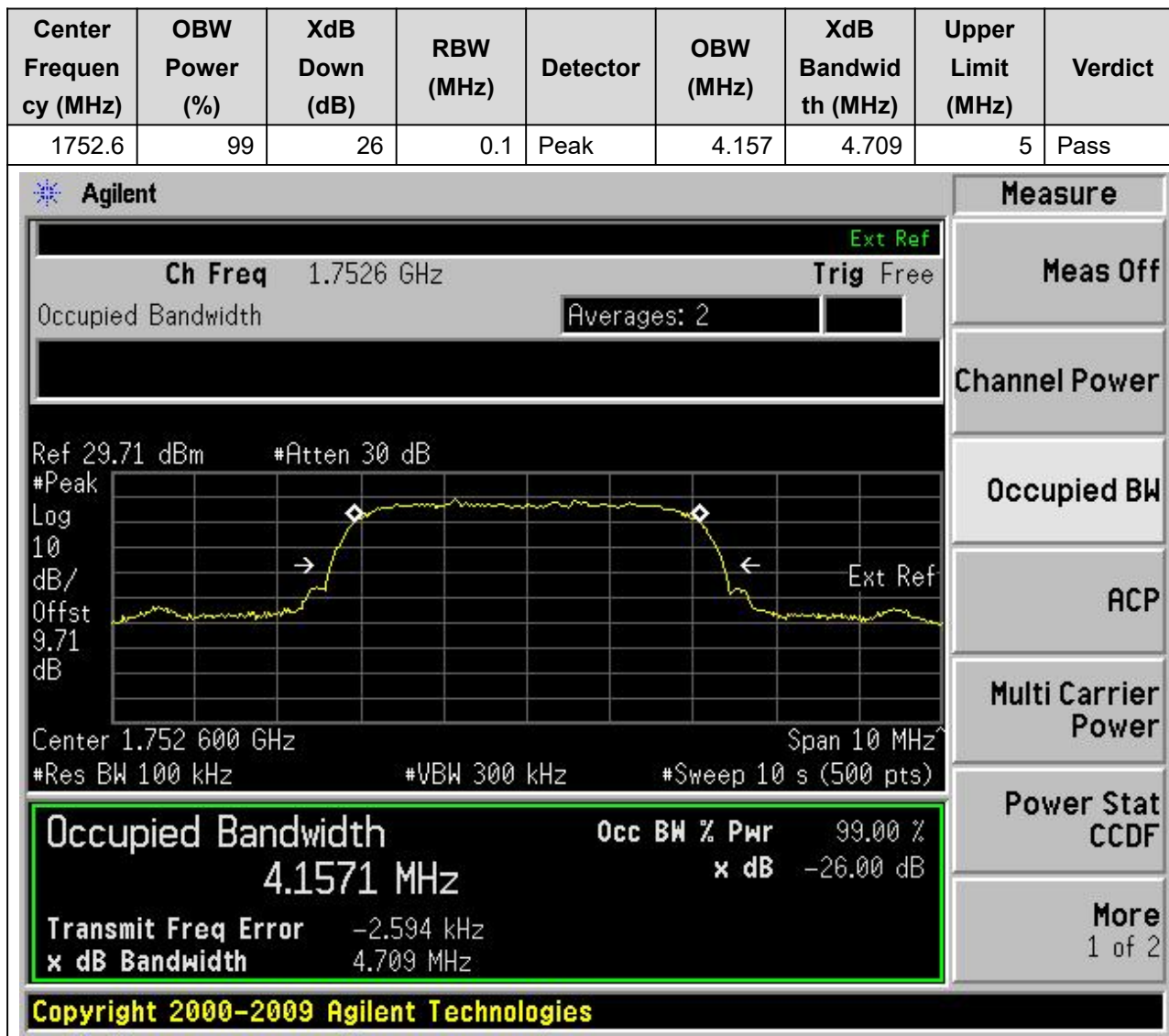
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1712.4	99	26	0.1	Peak	4.151	4.713	5	Pass



6.2 WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:1412)

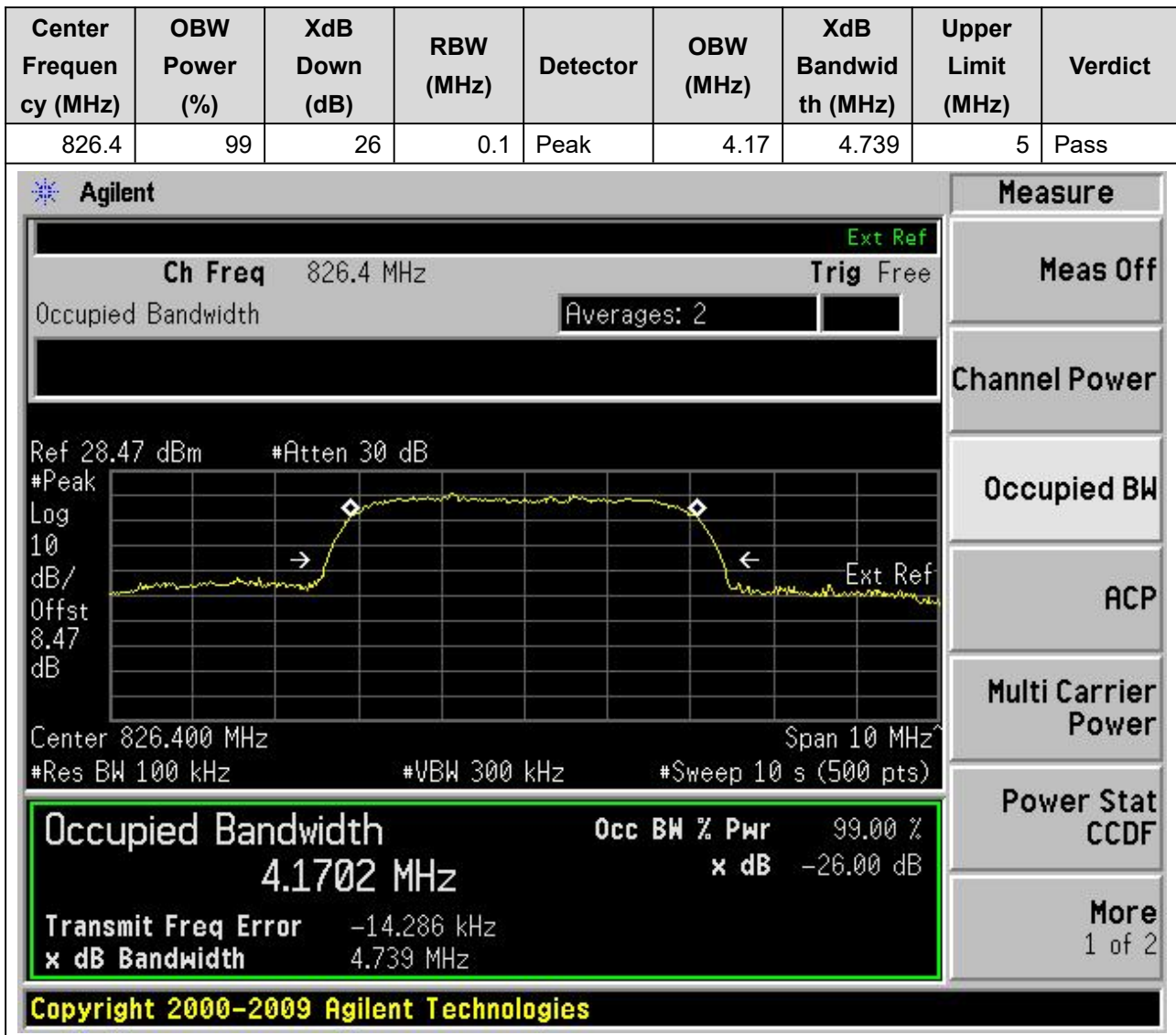


6.3 WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:1513)

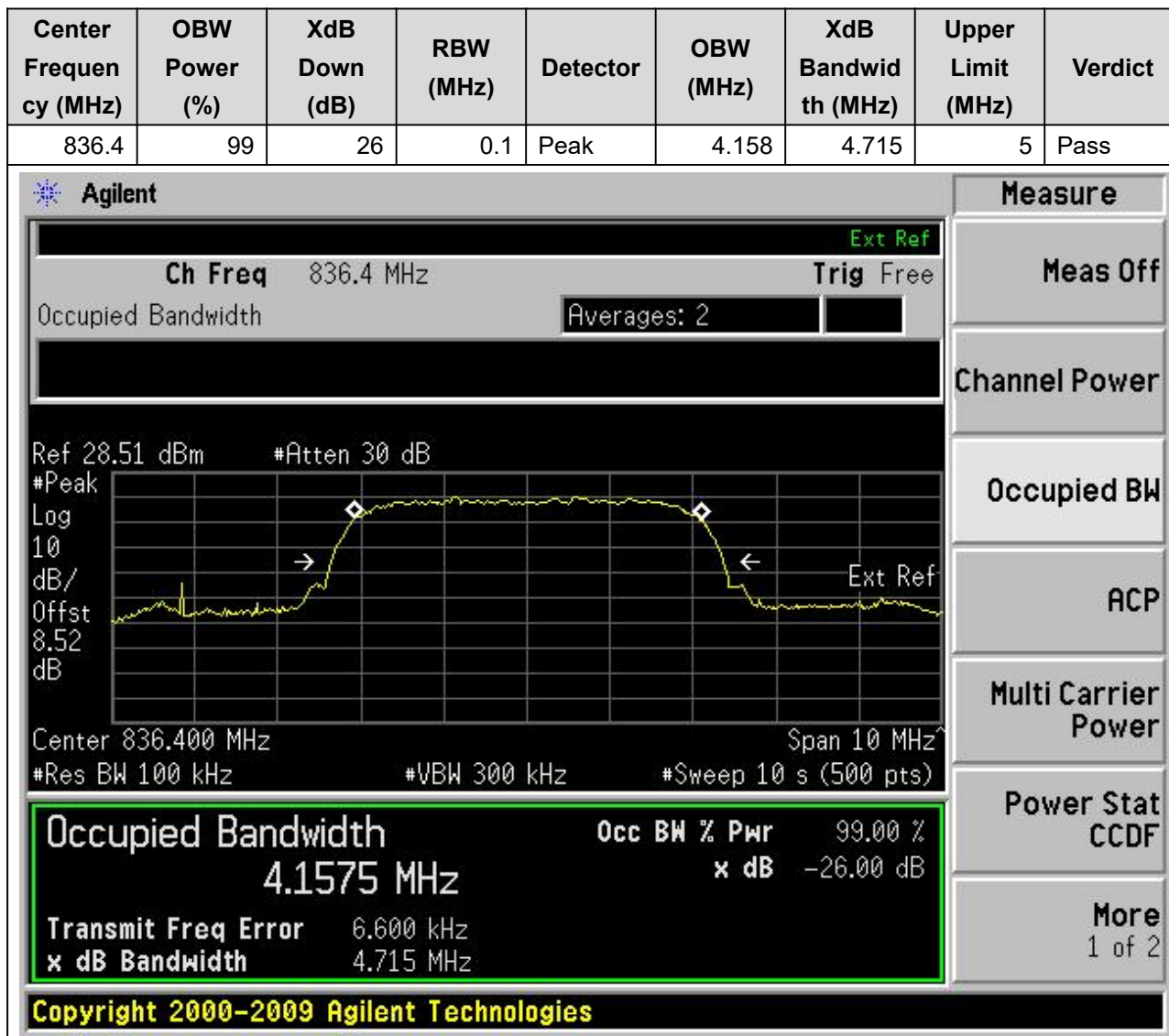


7. WCDMA_Band5

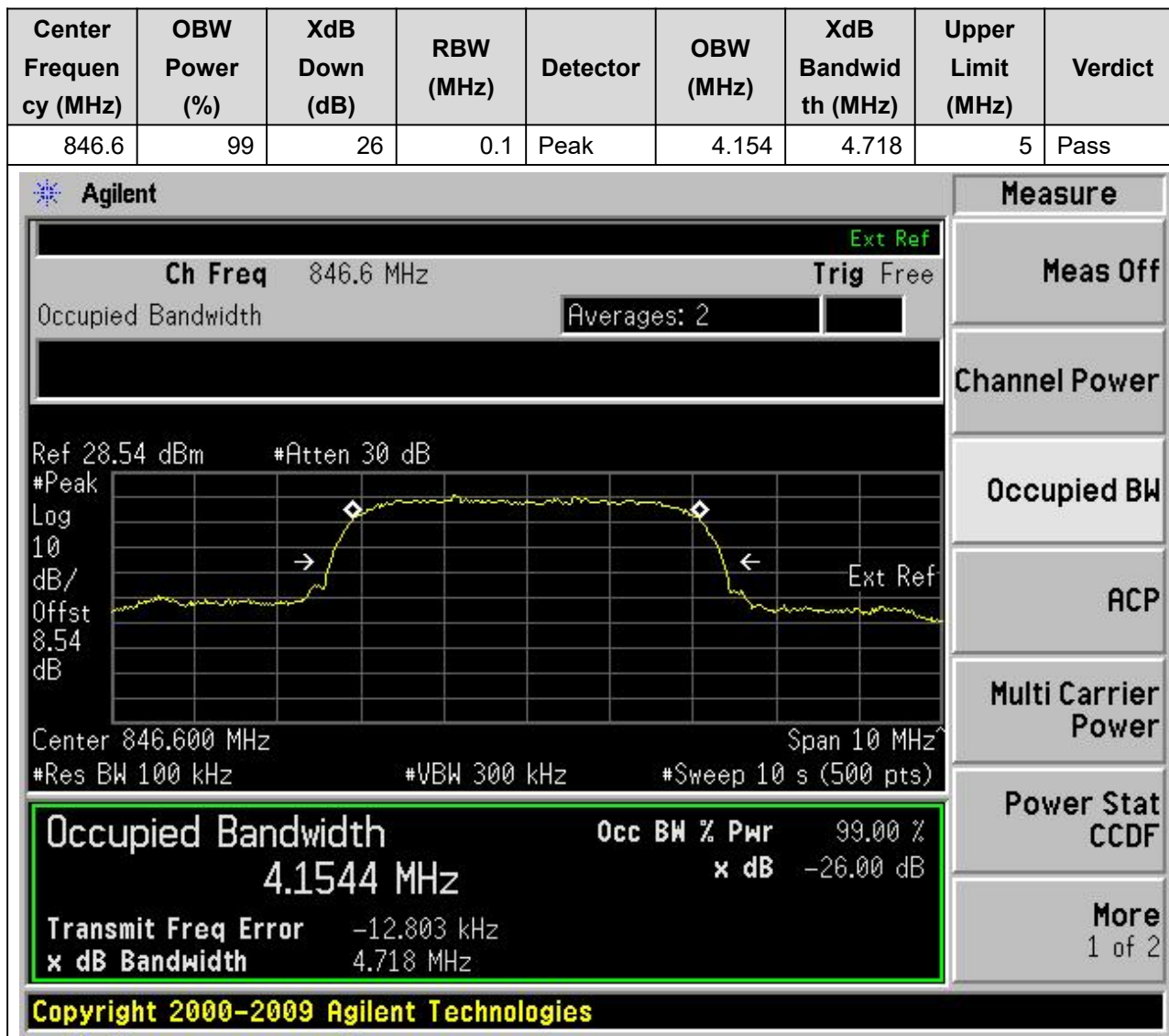
7.1 WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:4132)



7.2 WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:4182)

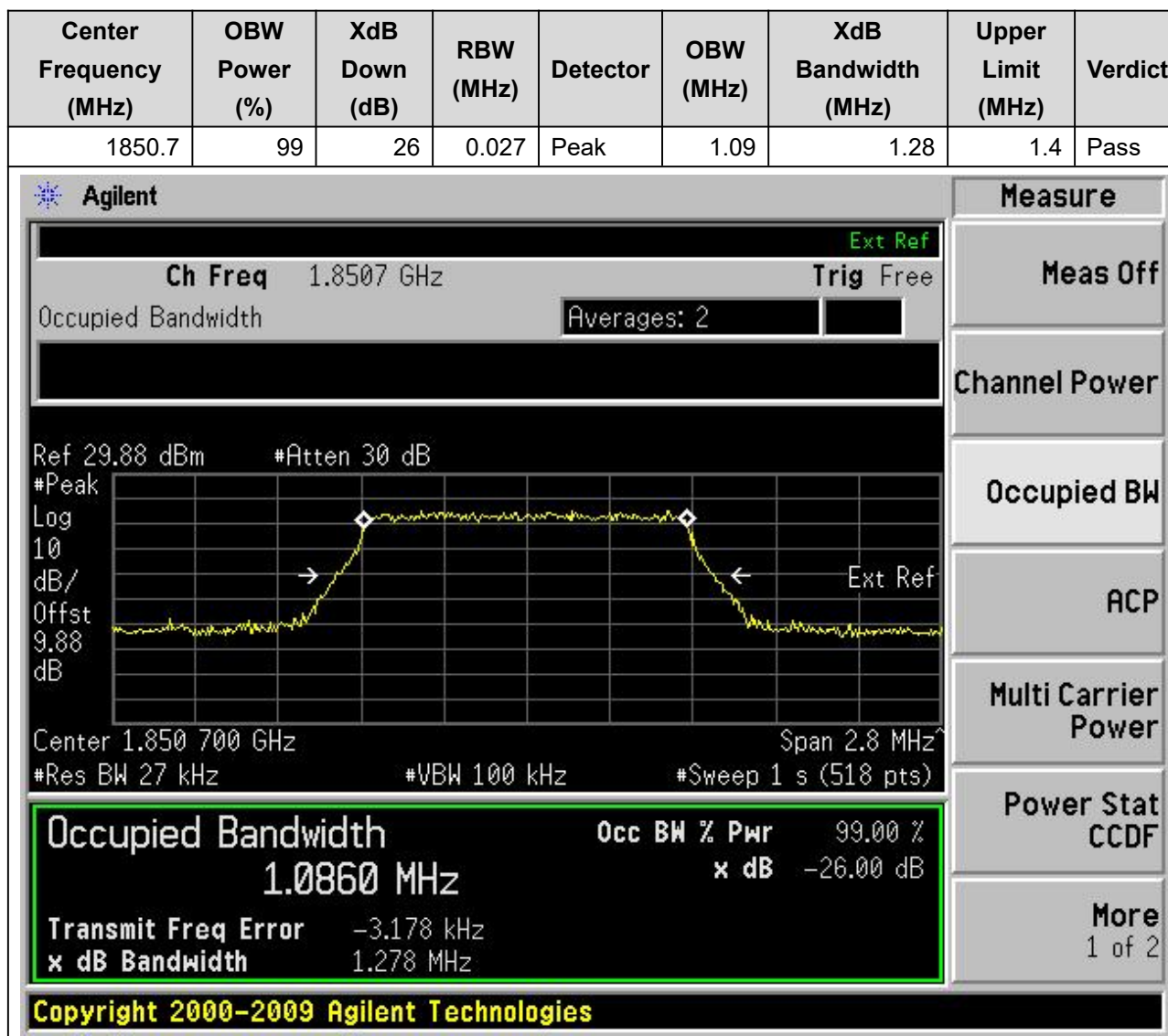


7.3 WCDMA Occupied Bandwidth_Part22-24-27(NTNV)(Channel:4233)

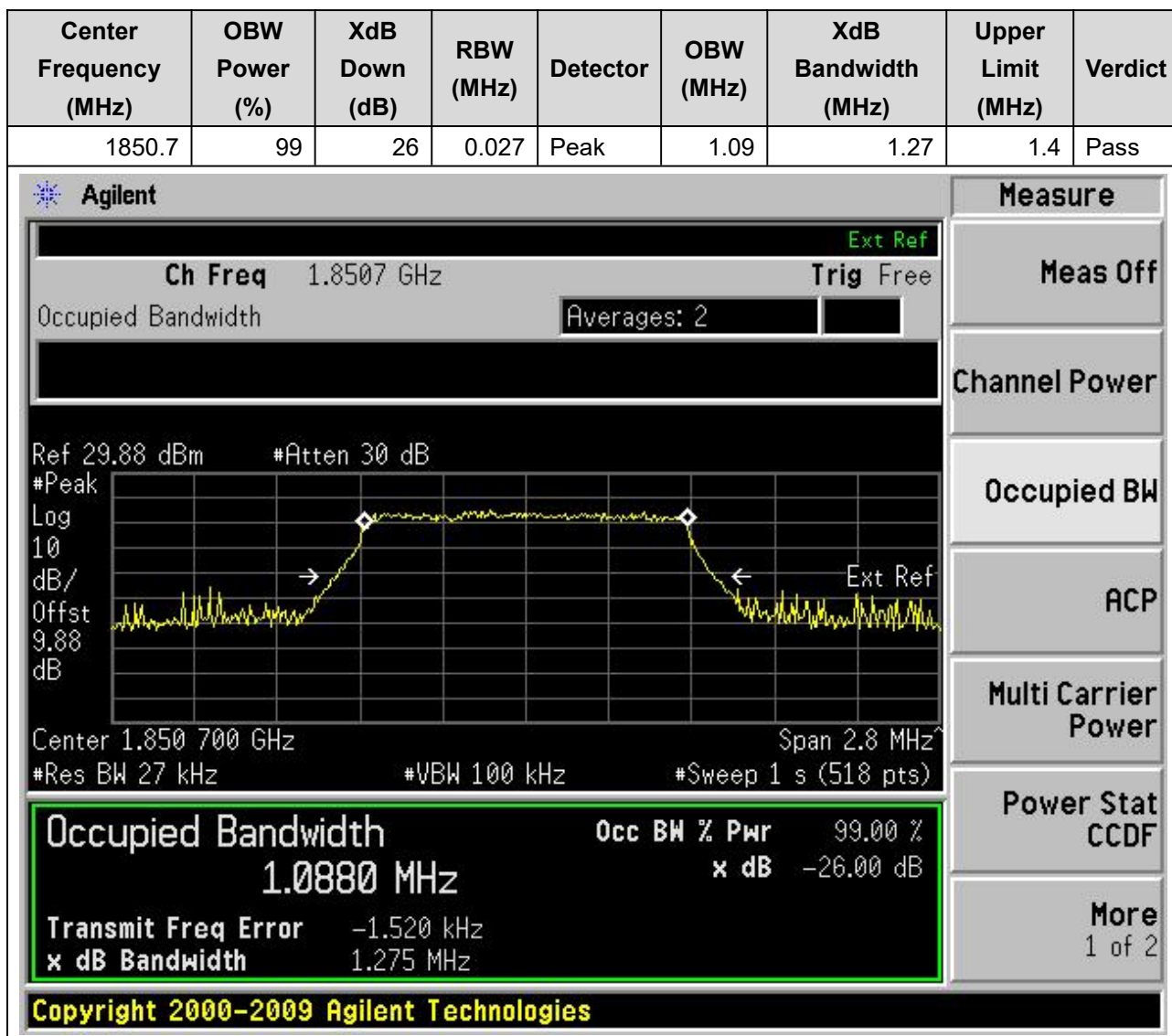


8. LTE_Band2

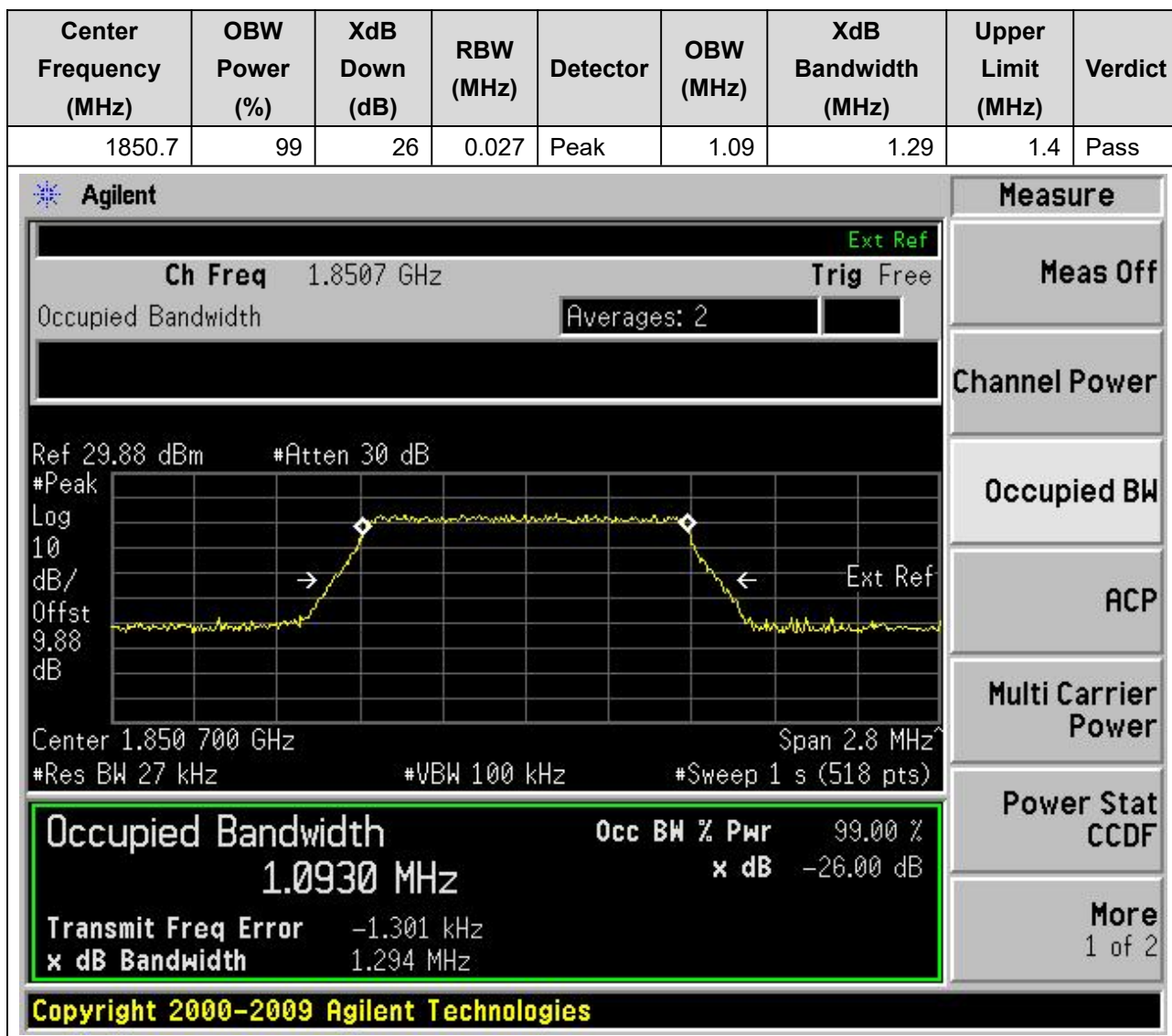
8.1 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18607, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



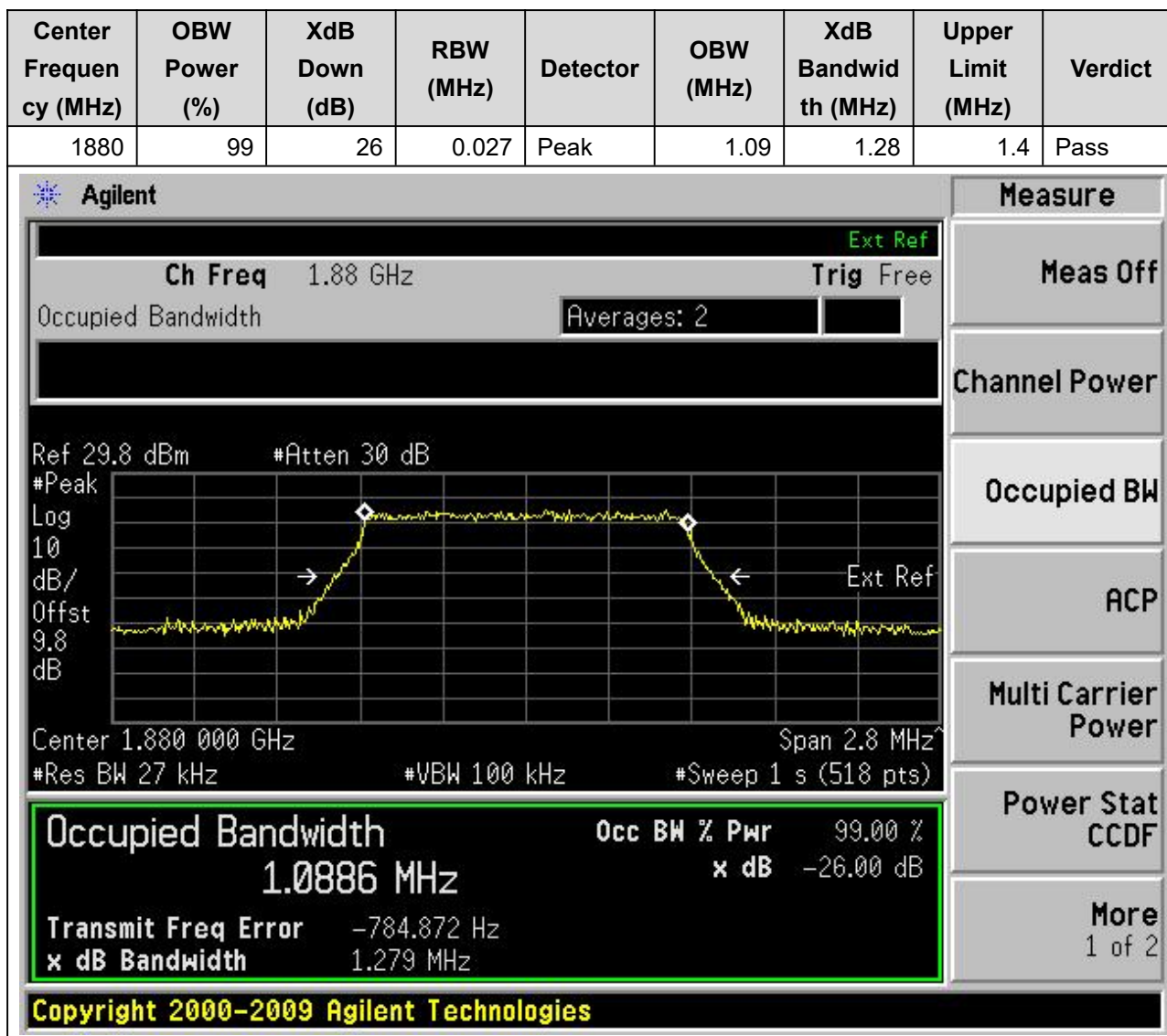
8.2 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18607, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)



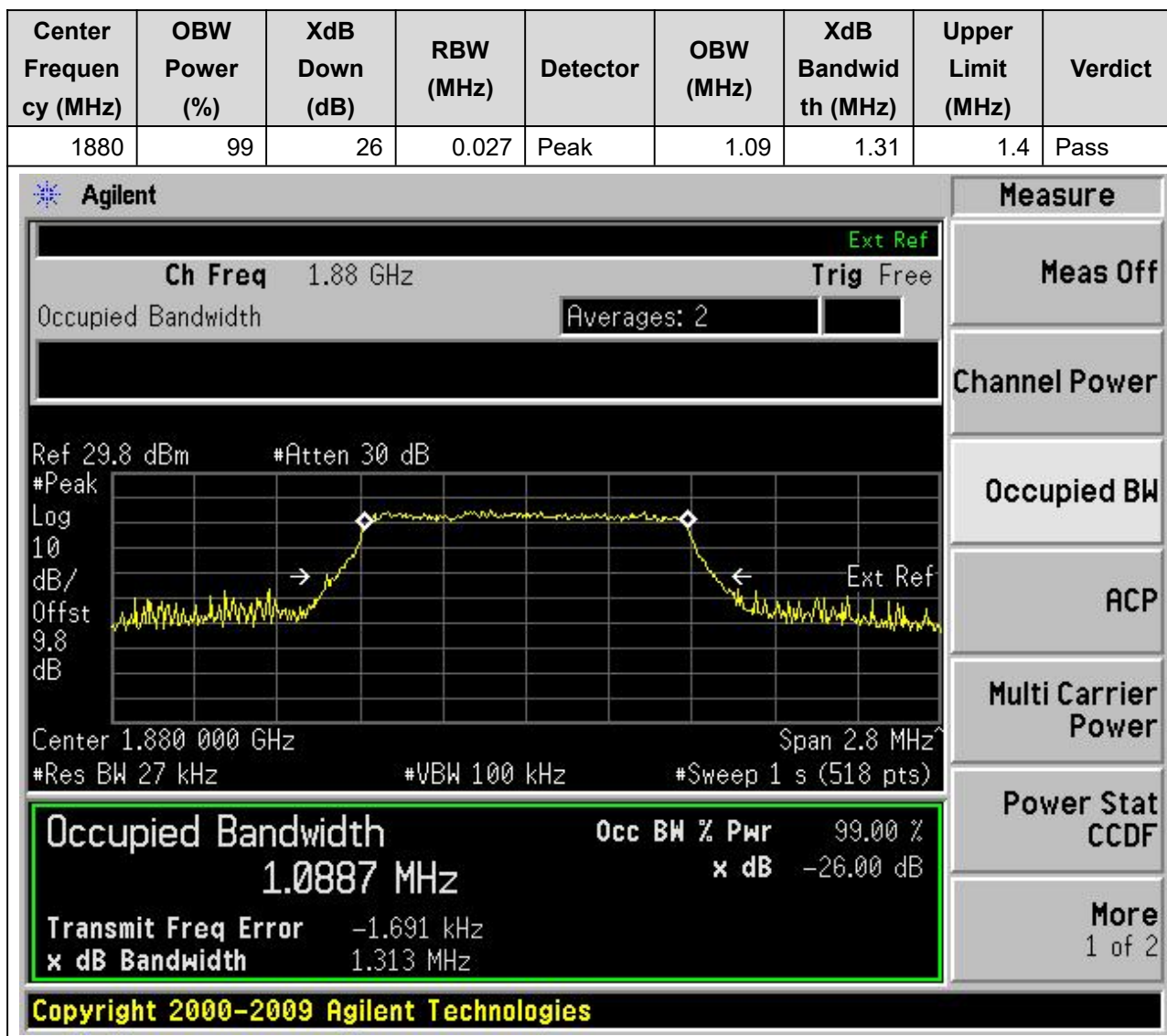
8.3 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18607, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



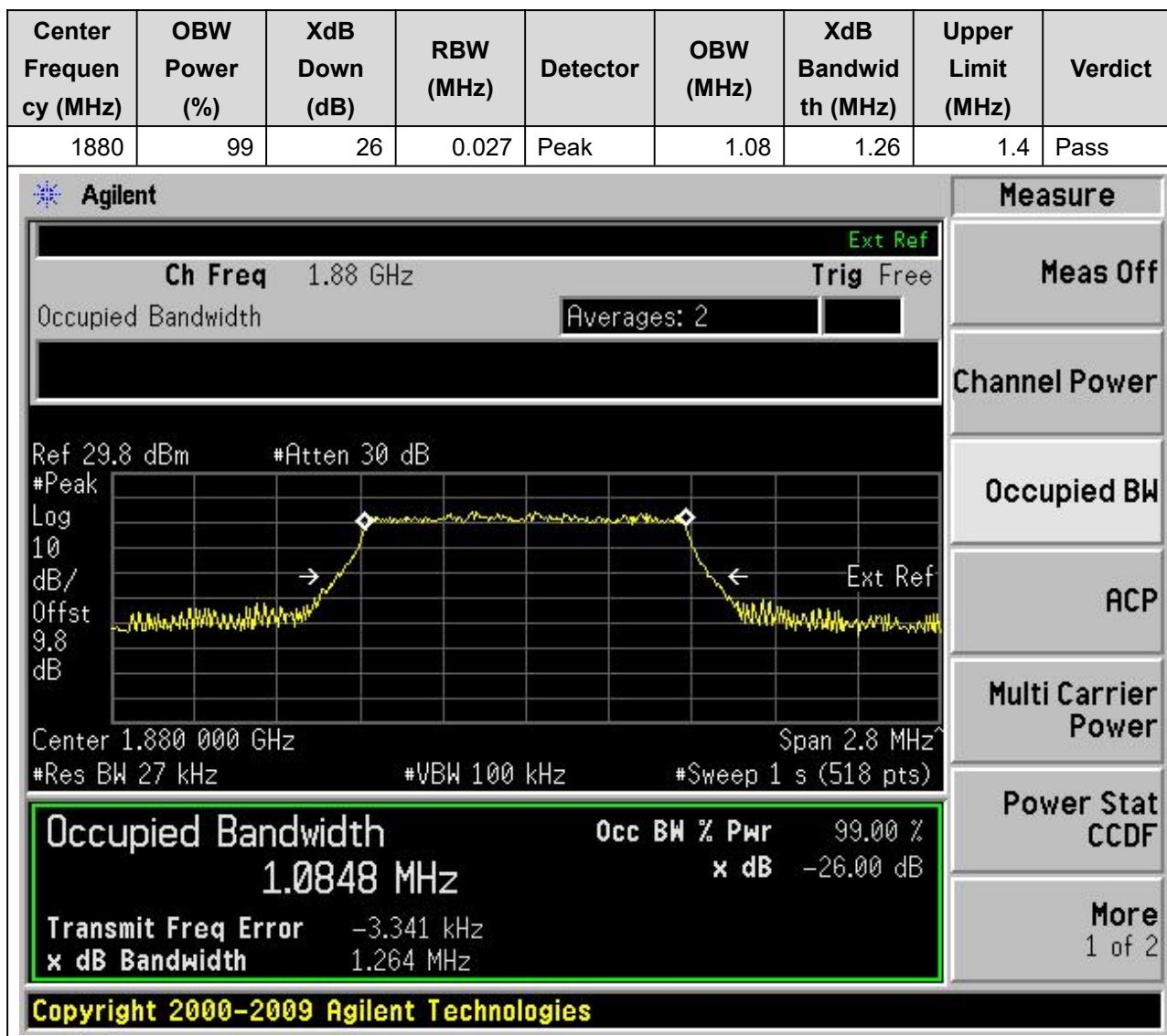
8.4 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



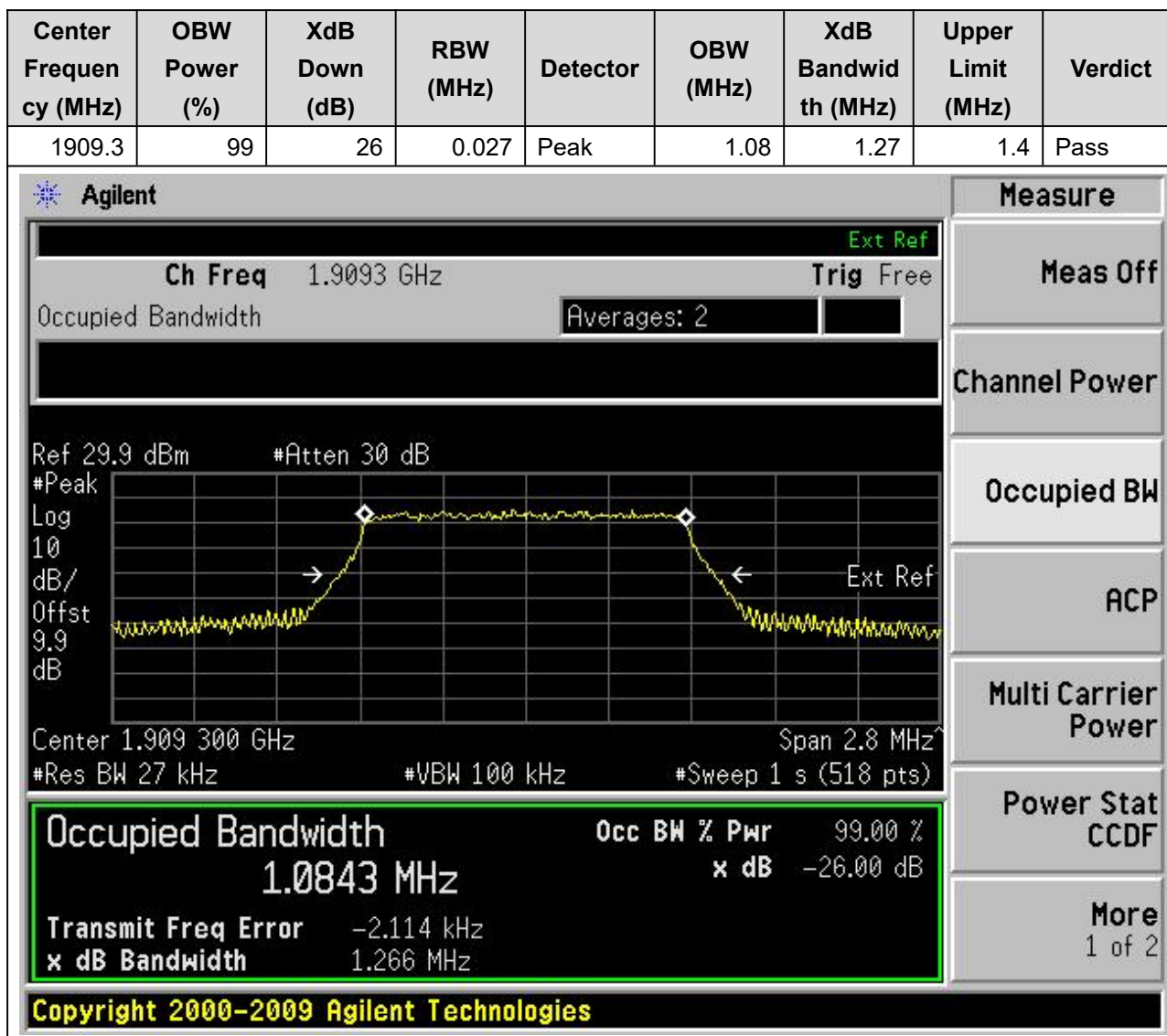
8.5 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)



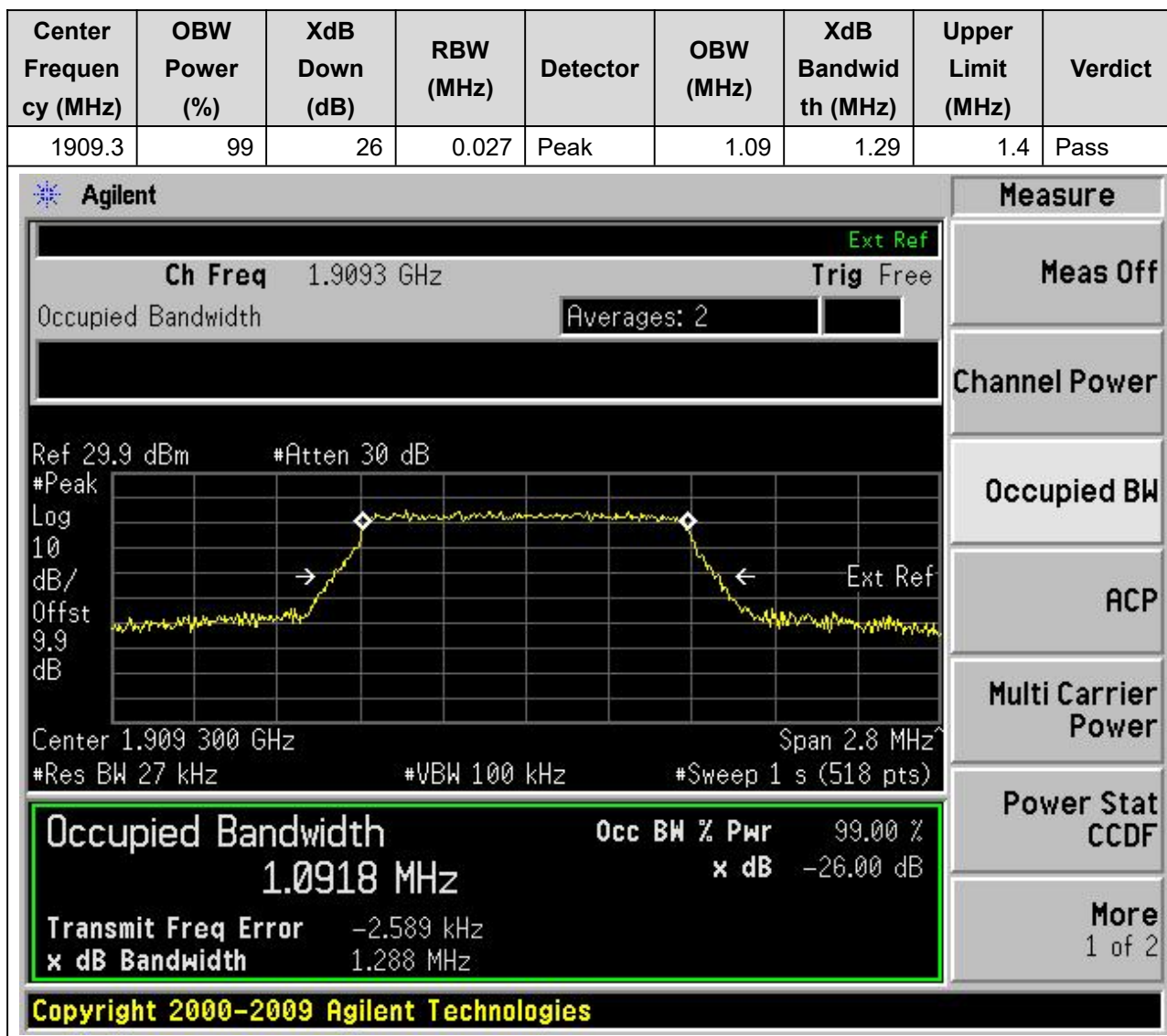
8.6 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



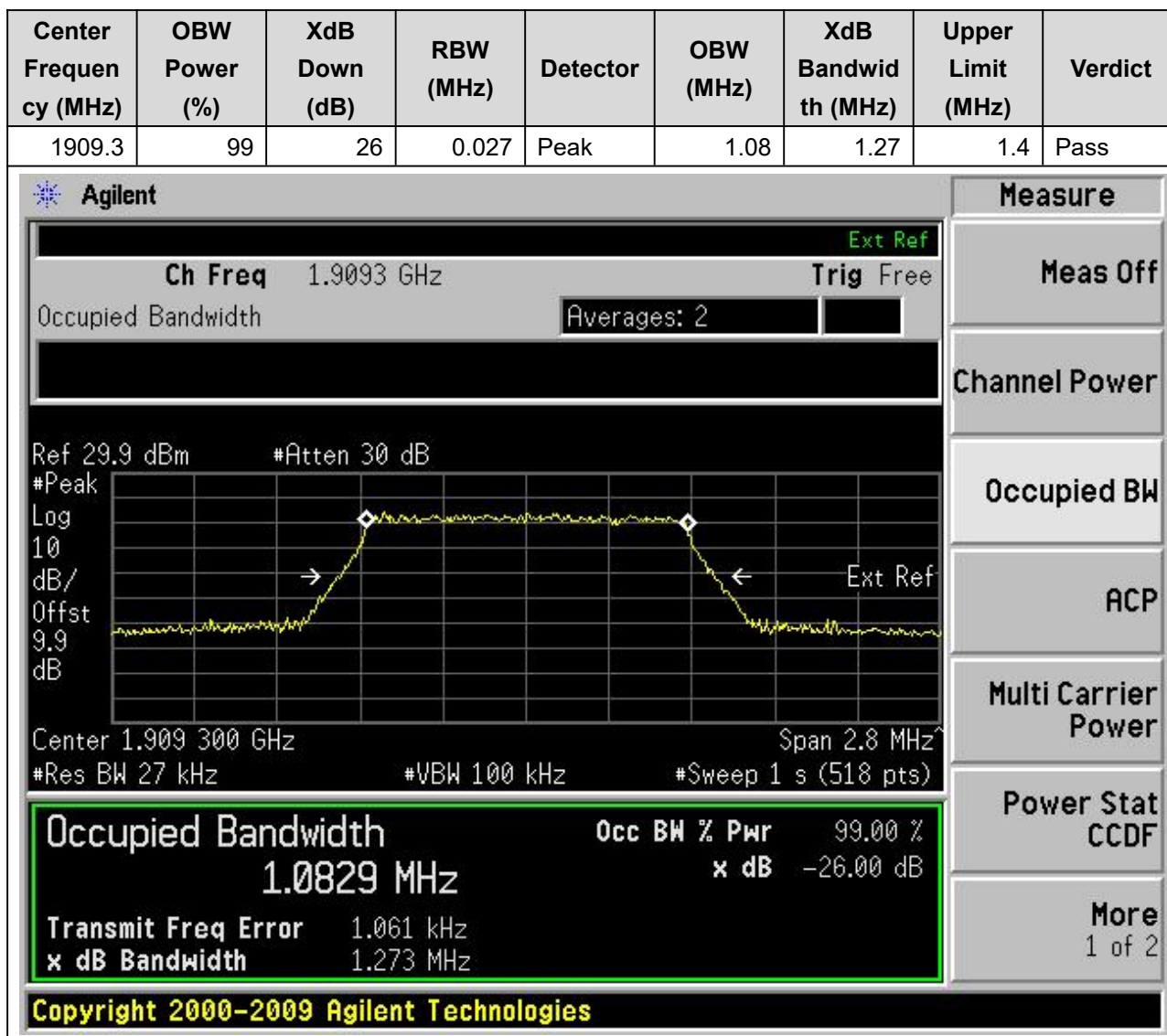
8.7 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19193, Bandwidth:1.4, Modulation:QPSK, RB Number:6, RB Position:0)



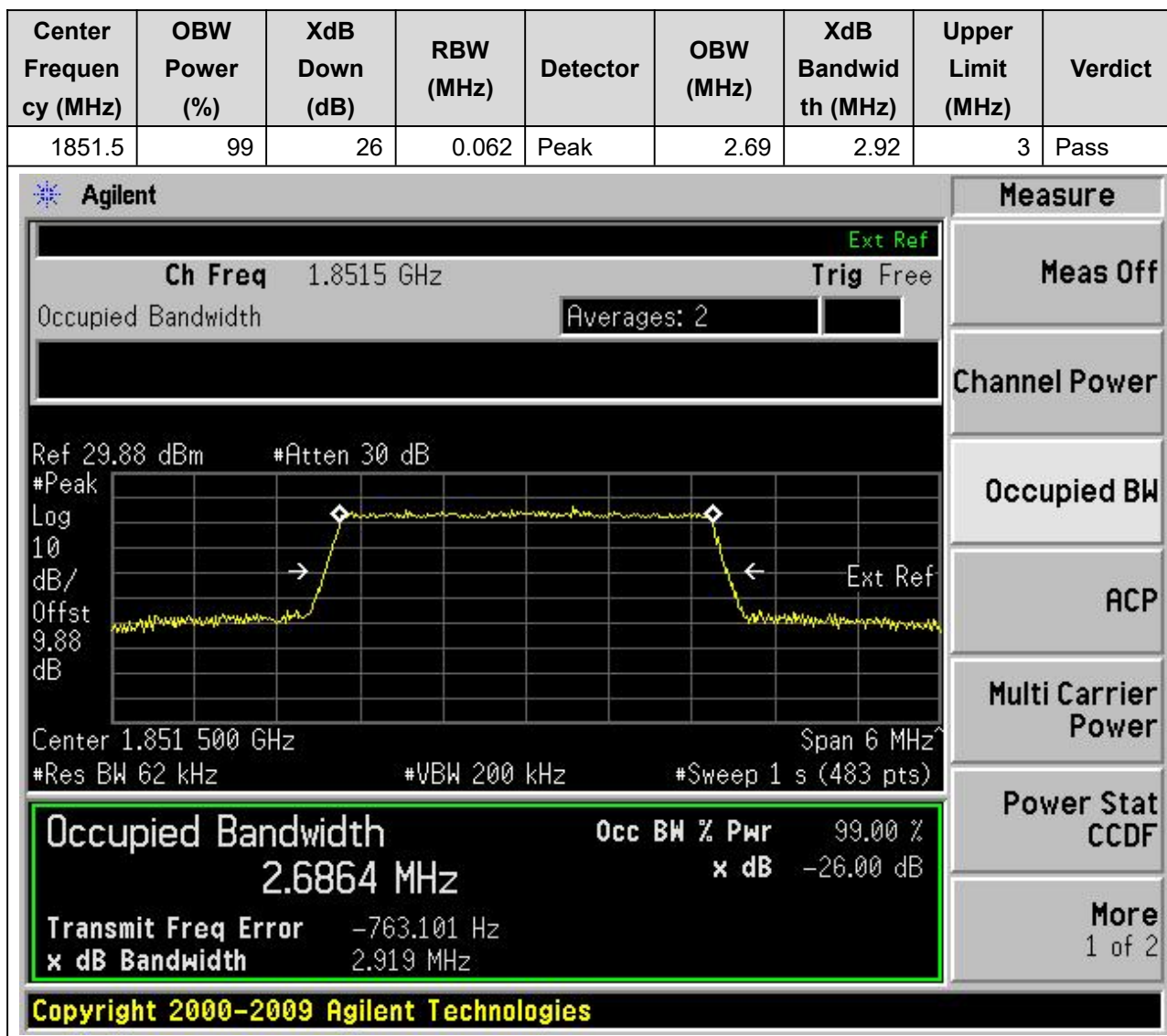
8.8 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19193, Bandwidth:1.4, Modulation:16QAM, RB Number:6, RB Position:0)



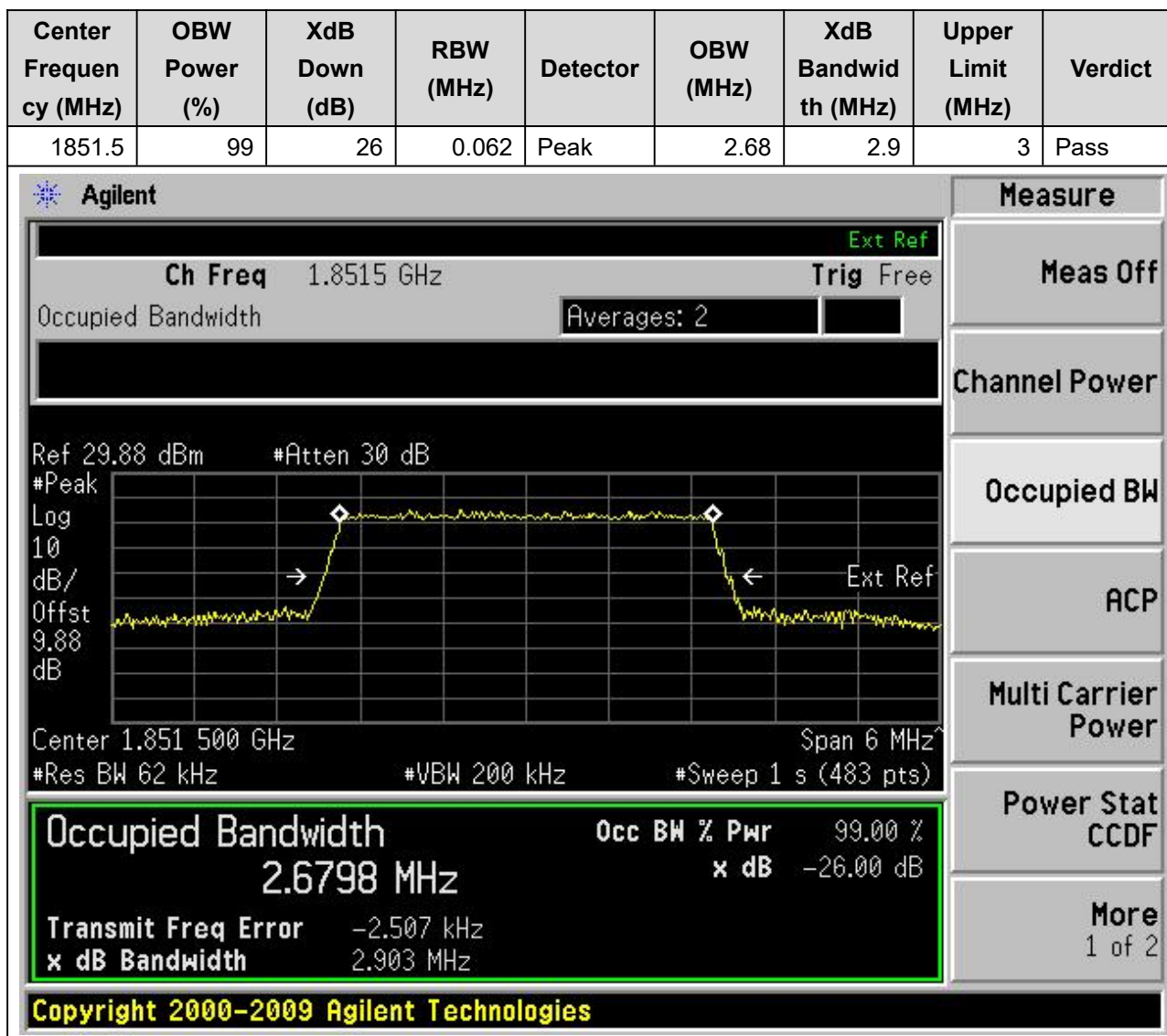
8.9 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19193, Bandwidth:1.4, Modulation:64QAM, RB Number:6, RB Position:0)



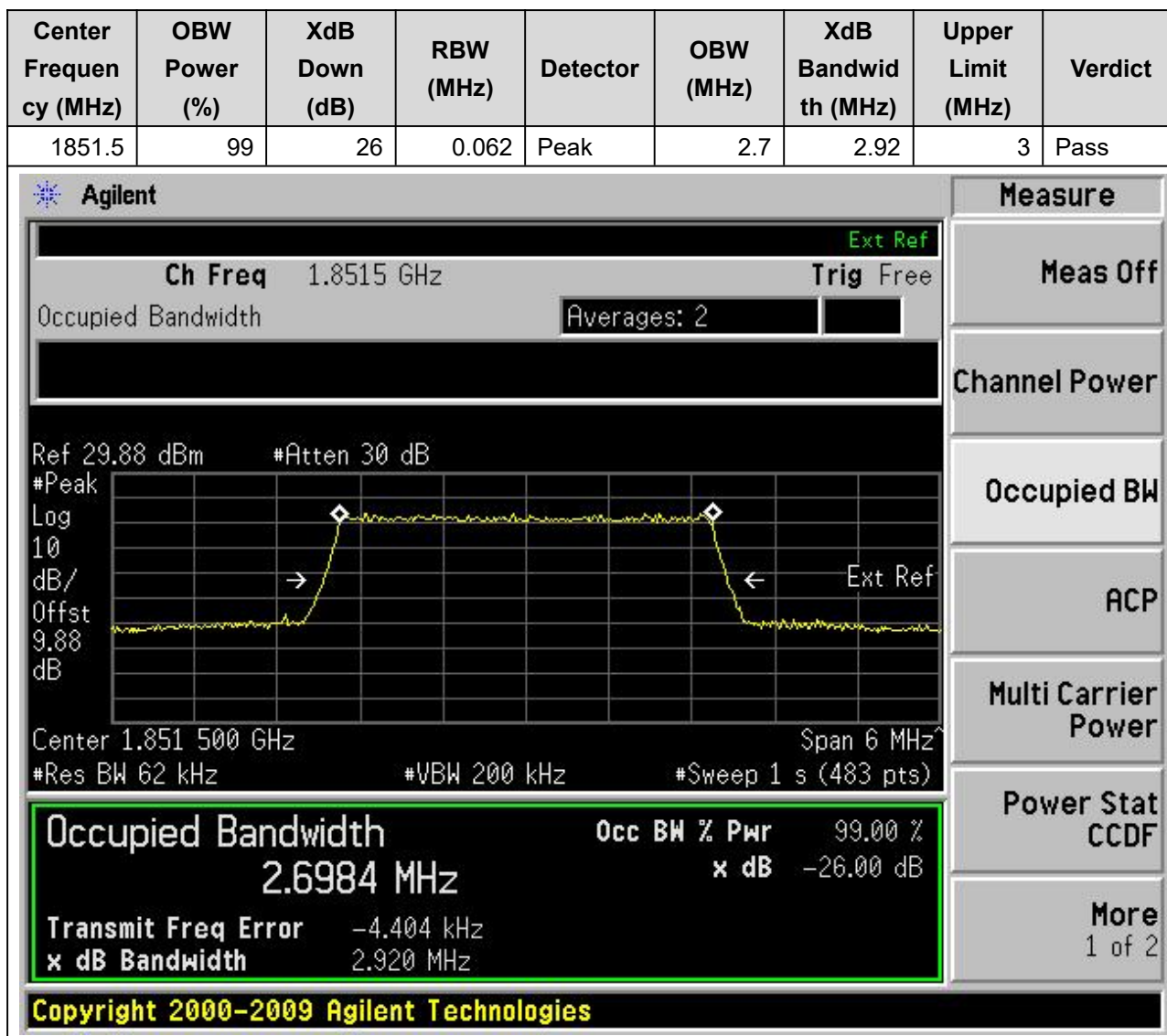
8.10 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18615, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)



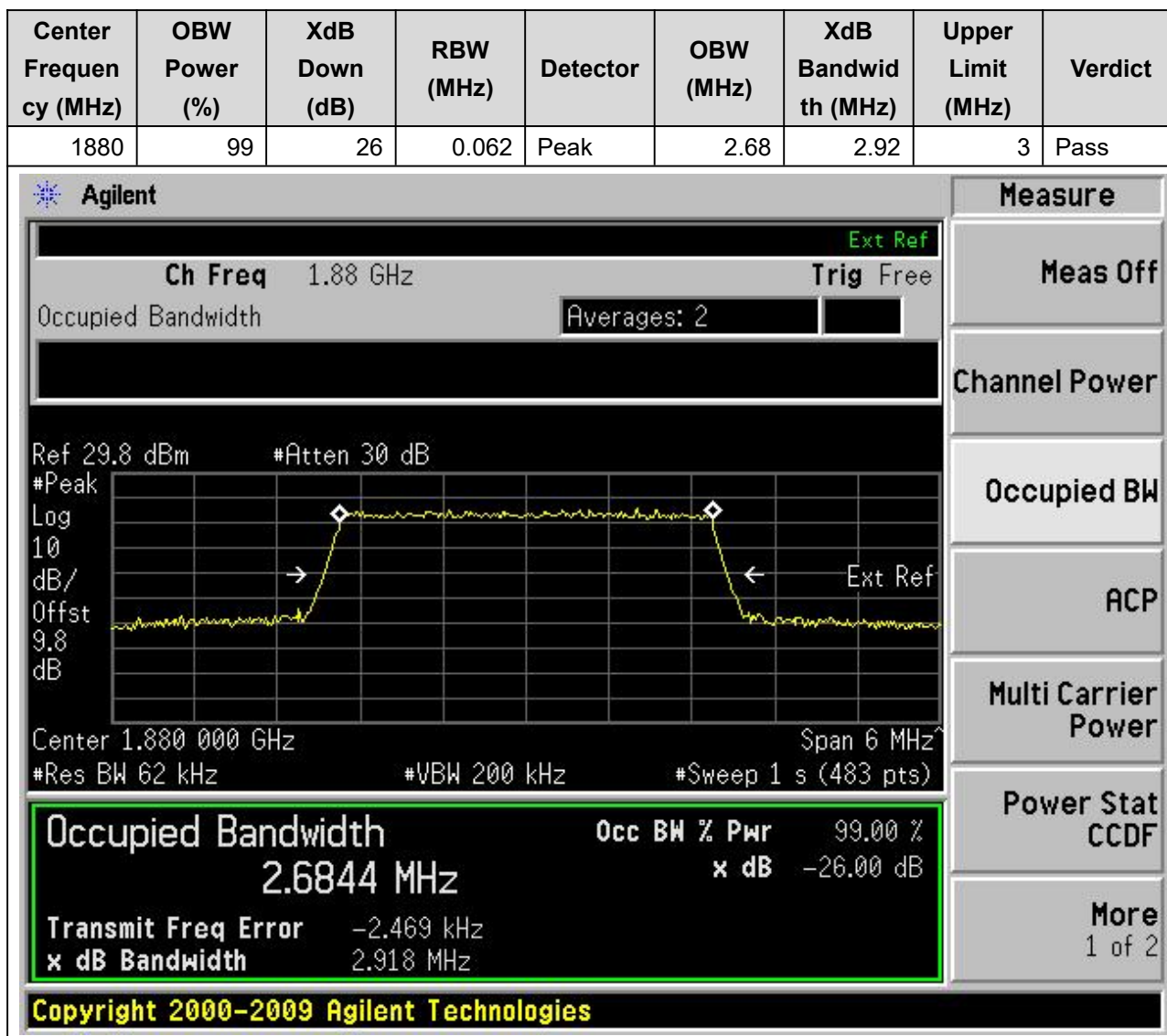
8.11 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18615, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)



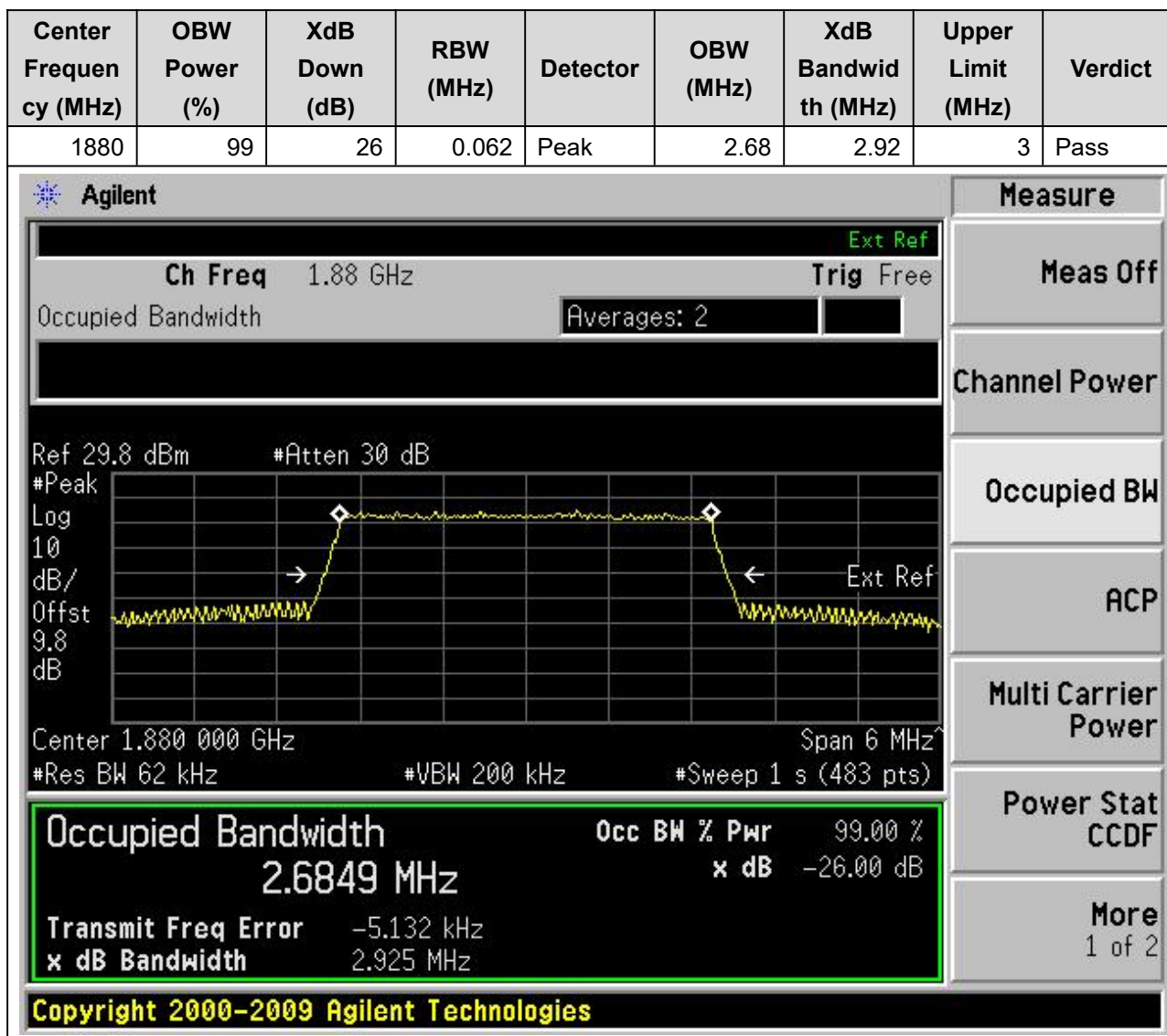
8.12 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18615, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)



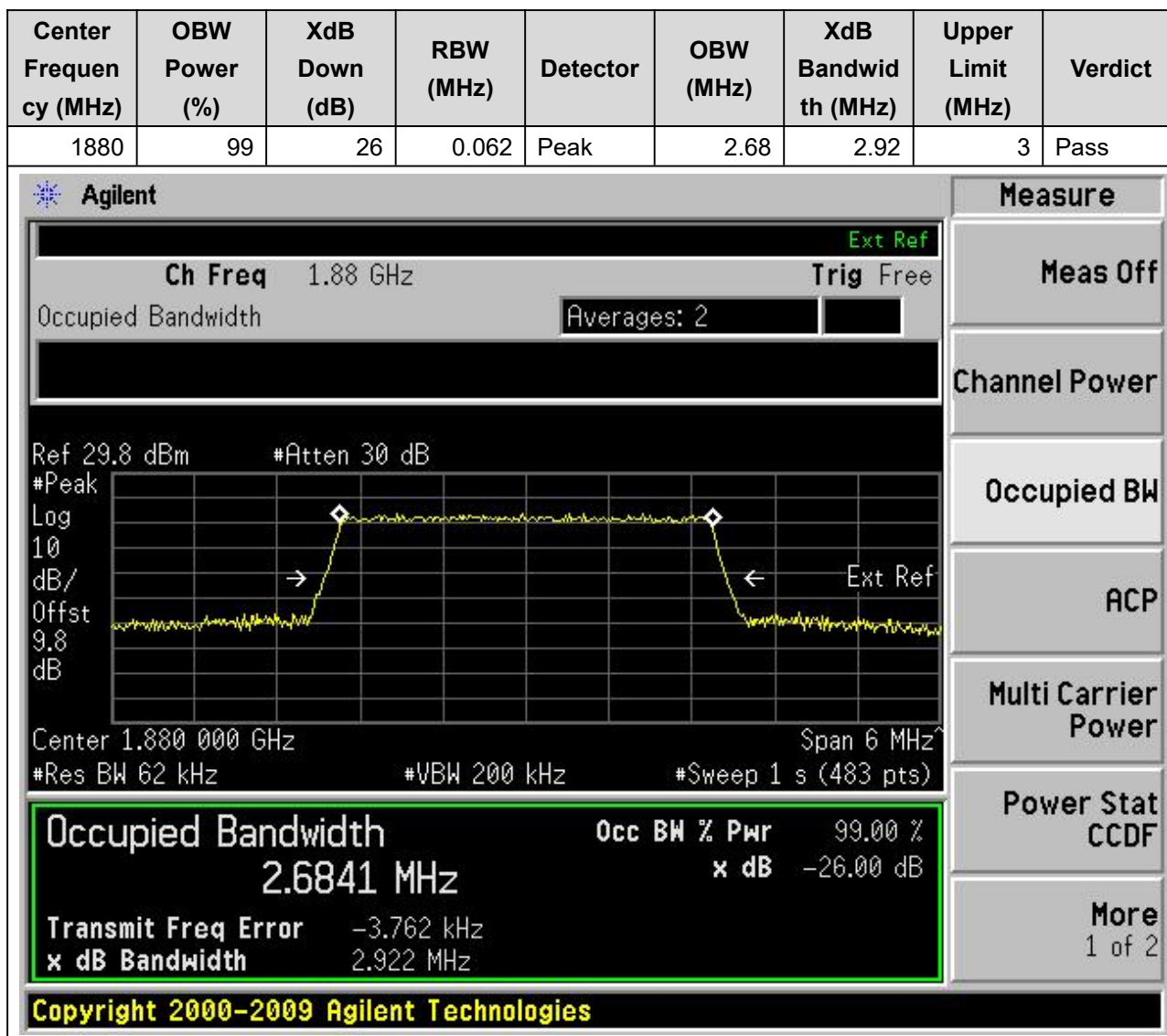
8.13 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)



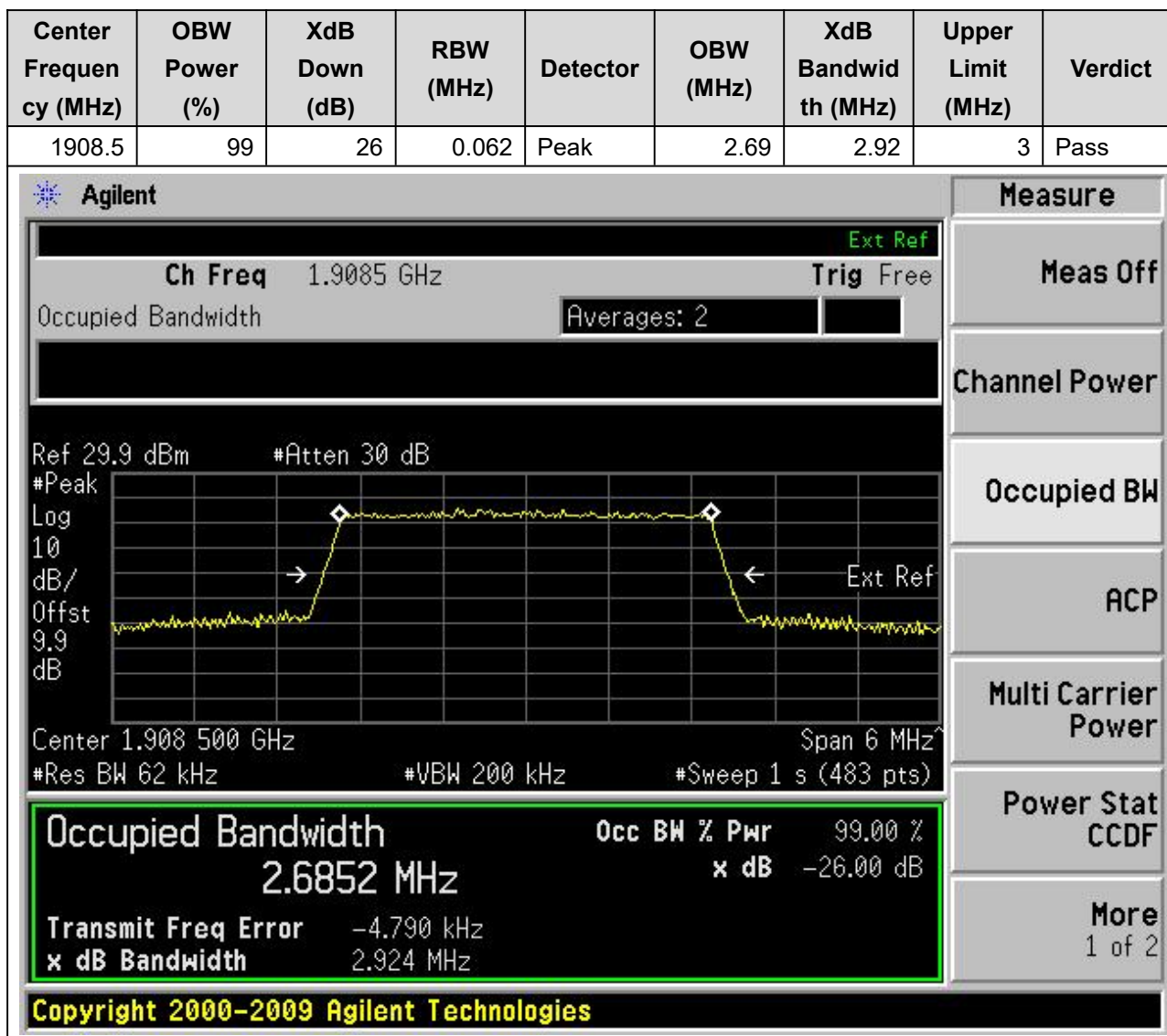
8.14 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)



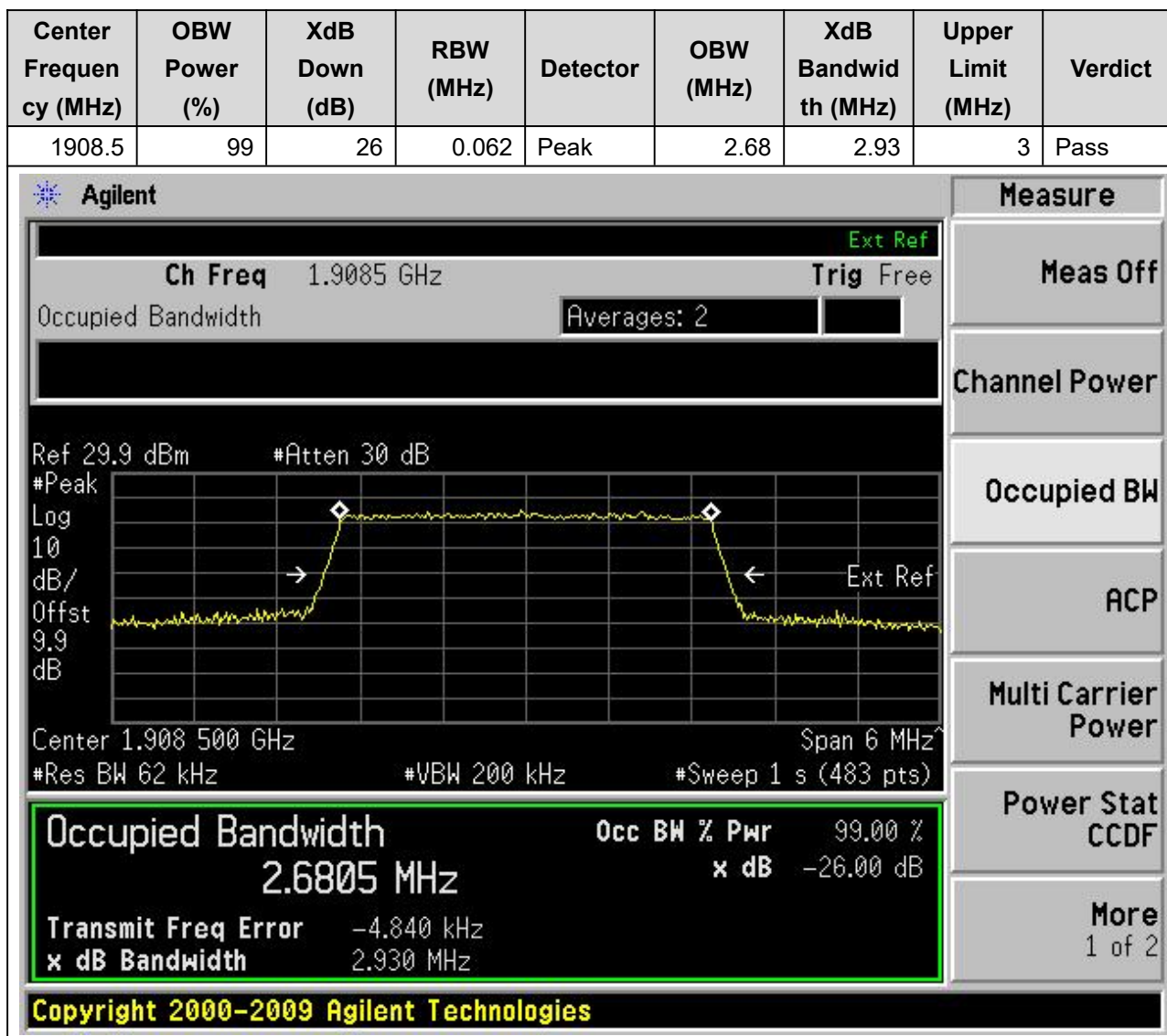
8.15 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)



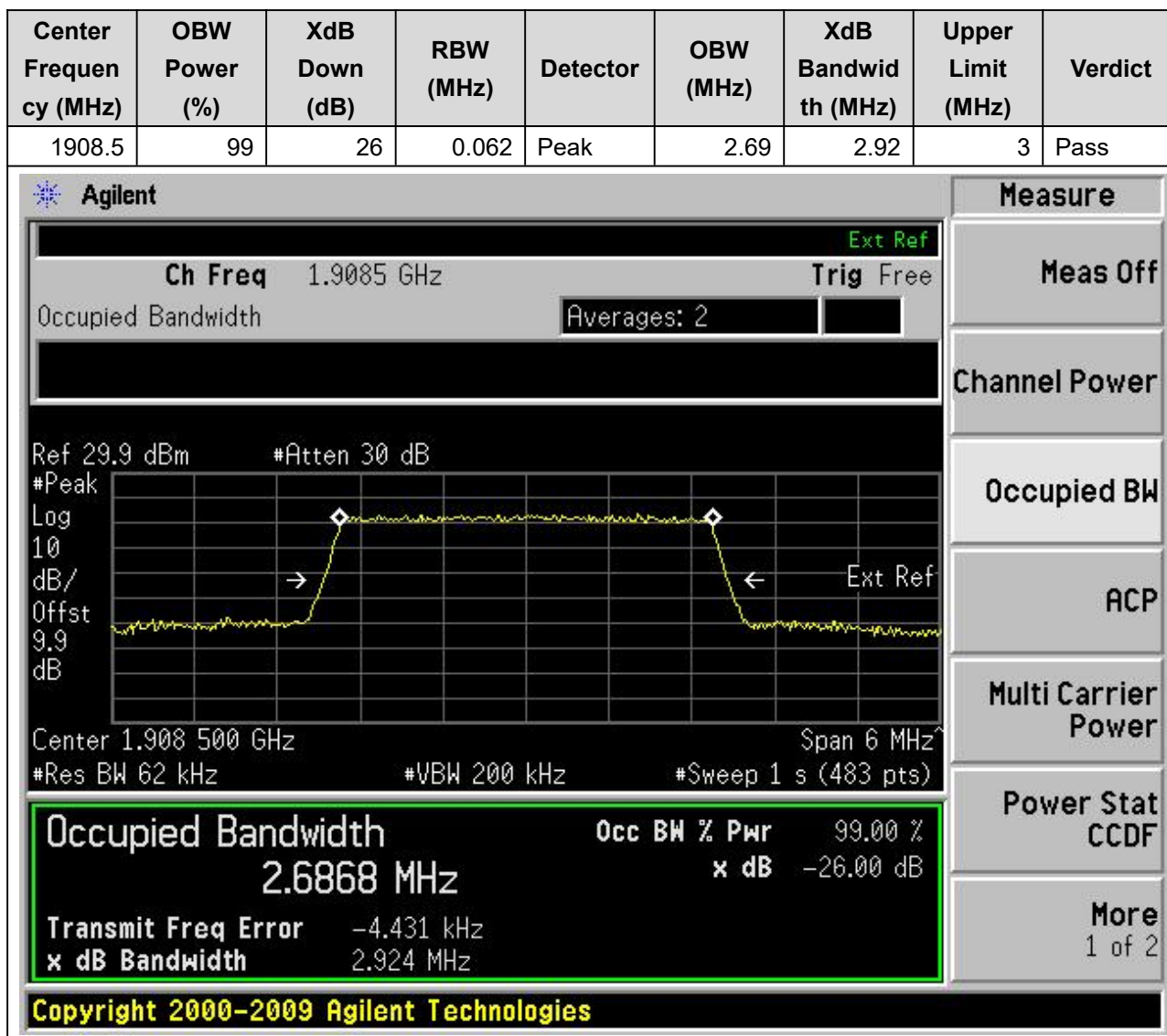
8.16 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19185, Bandwidth:3, Modulation:QPSK, RB Number:15, RB Position:0)



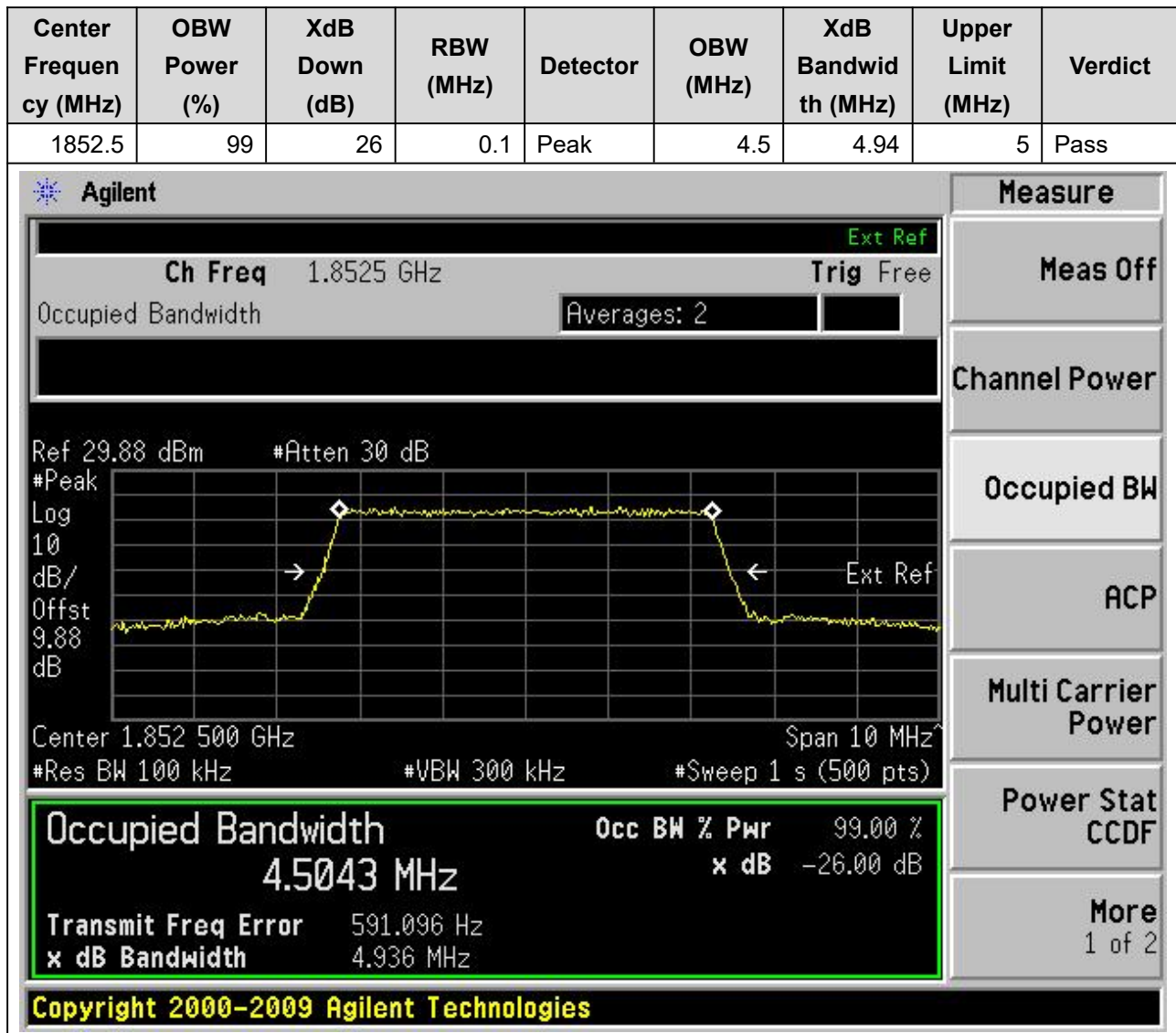
8.17 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19185, Bandwidth:3, Modulation:16QAM, RB Number:15, RB Position:0)



8.18 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19185, Bandwidth:3, Modulation:64QAM, RB Number:15, RB Position:0)

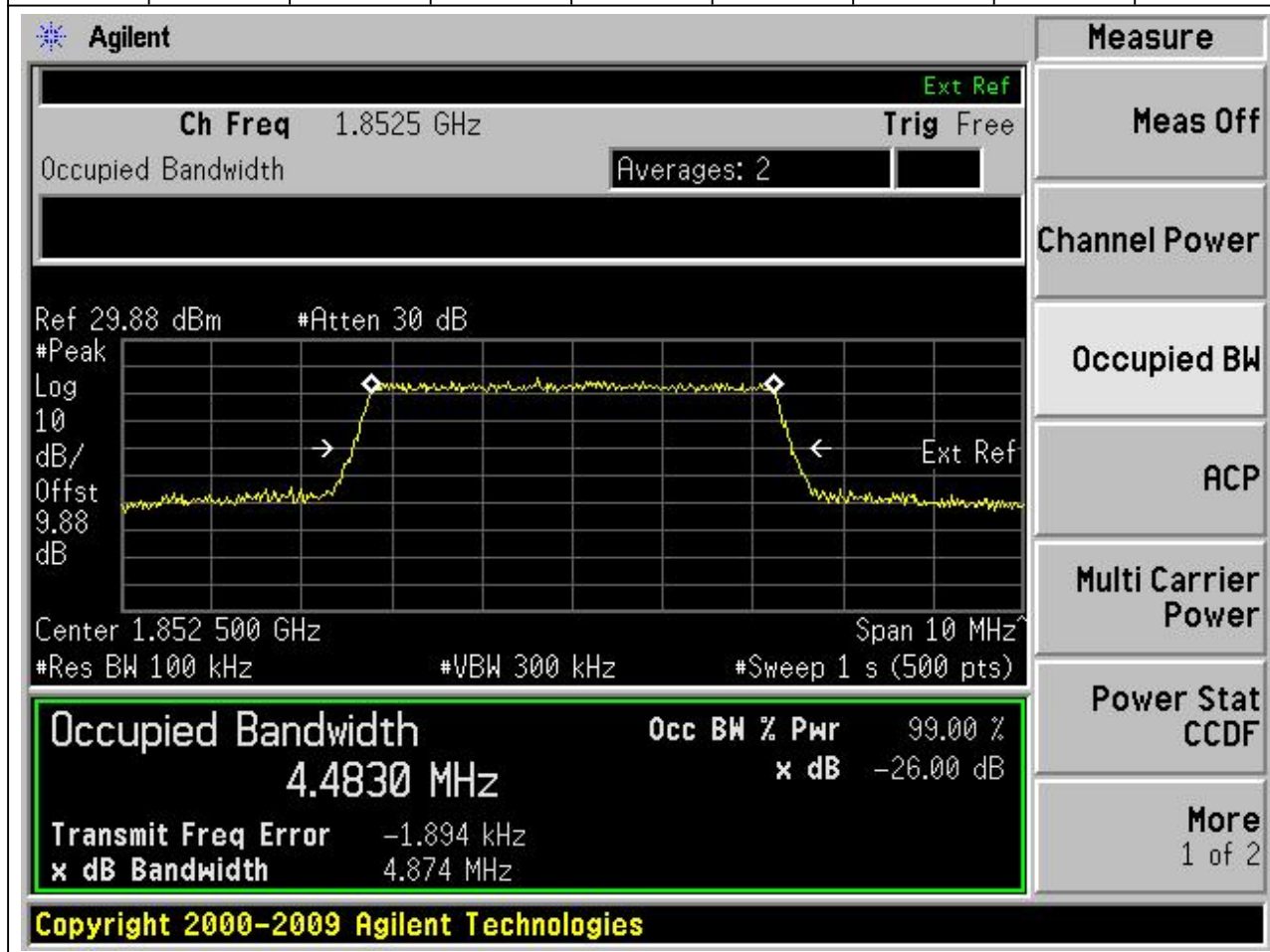


8.19 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18625, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



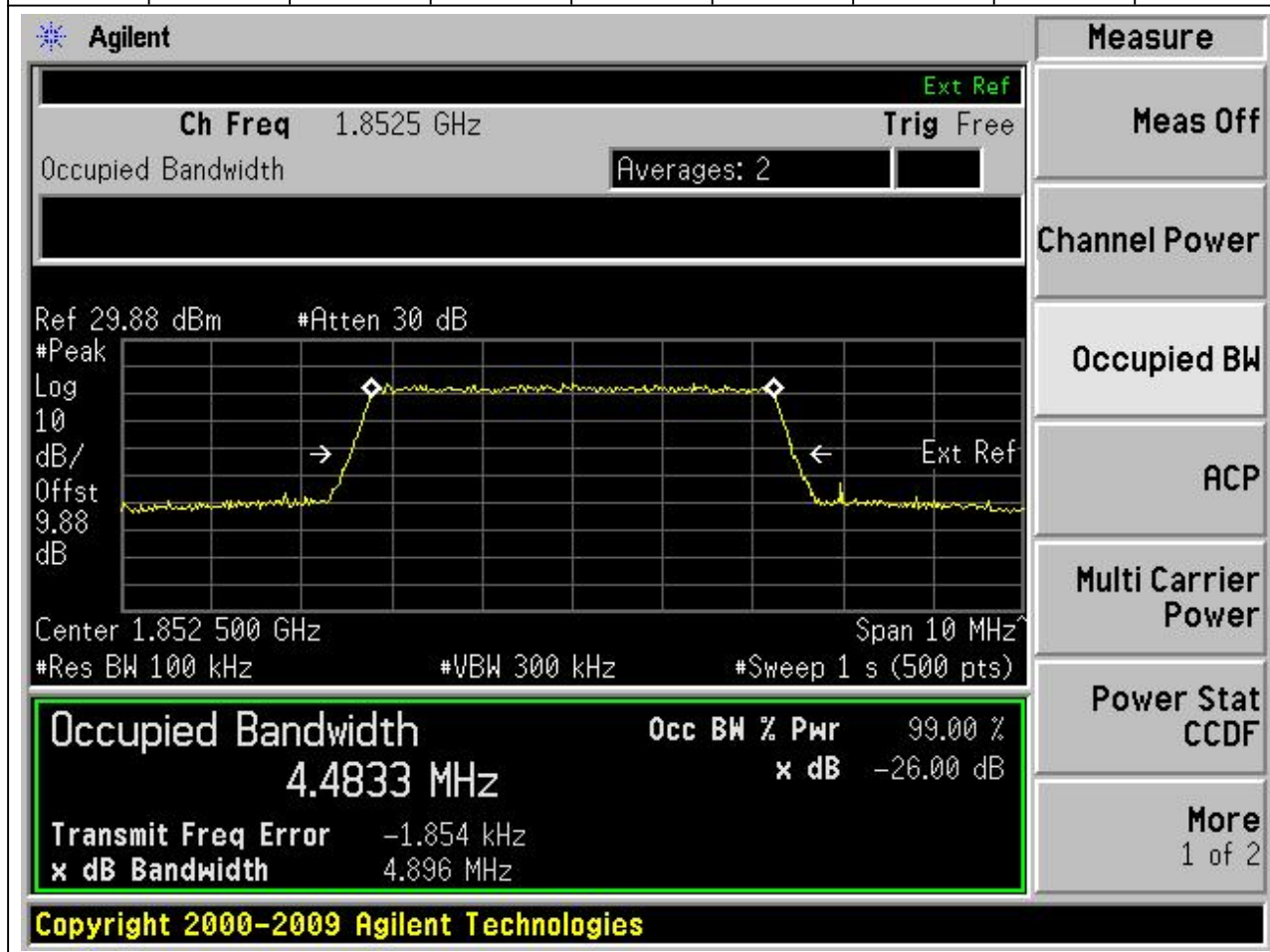
8.20 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18625, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.48	4.87	5	Pass

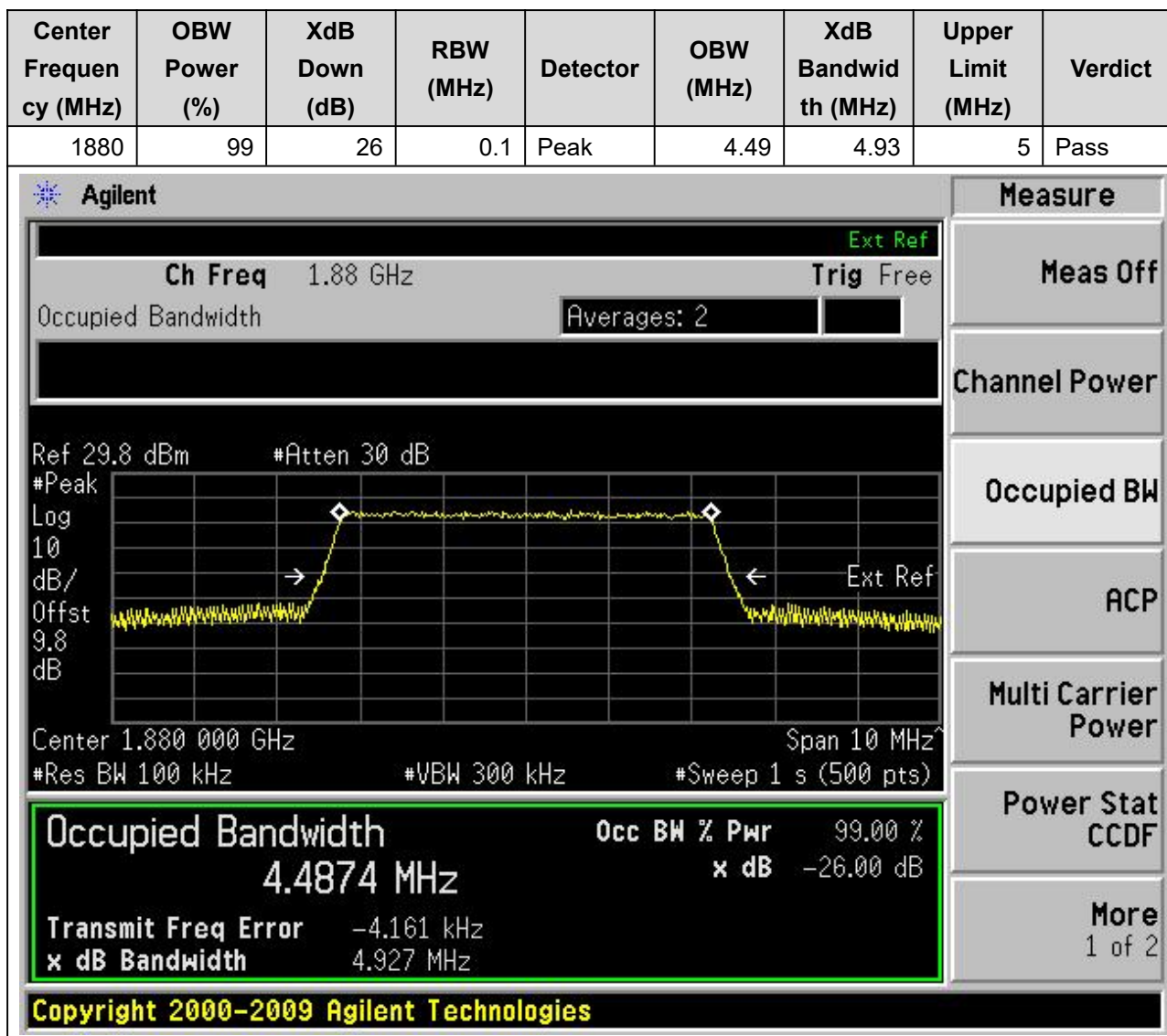


8.21 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18625, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)

Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1852.5	99	26	0.1	Peak	4.48	4.9	5	Pass

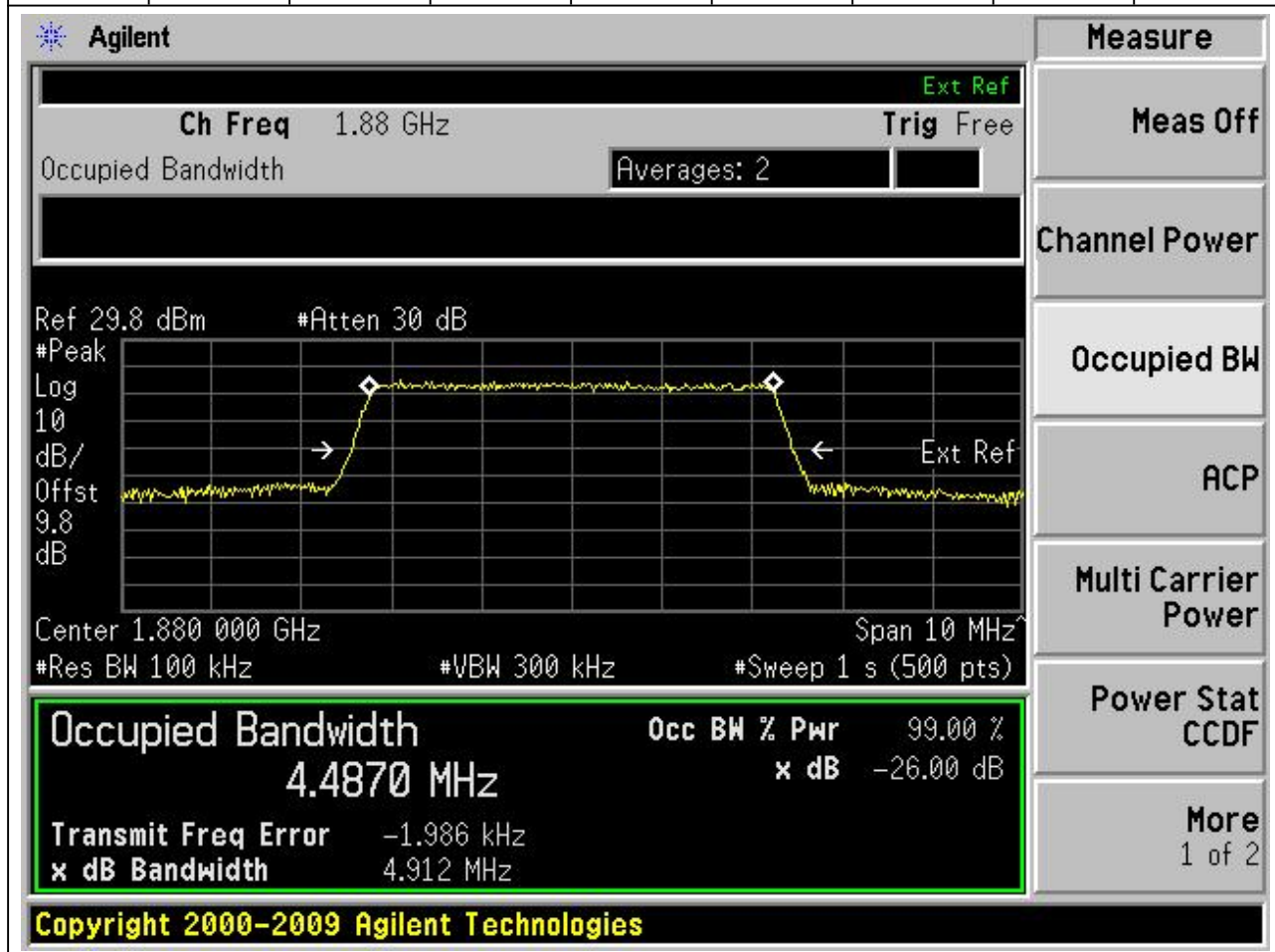


8.22 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)

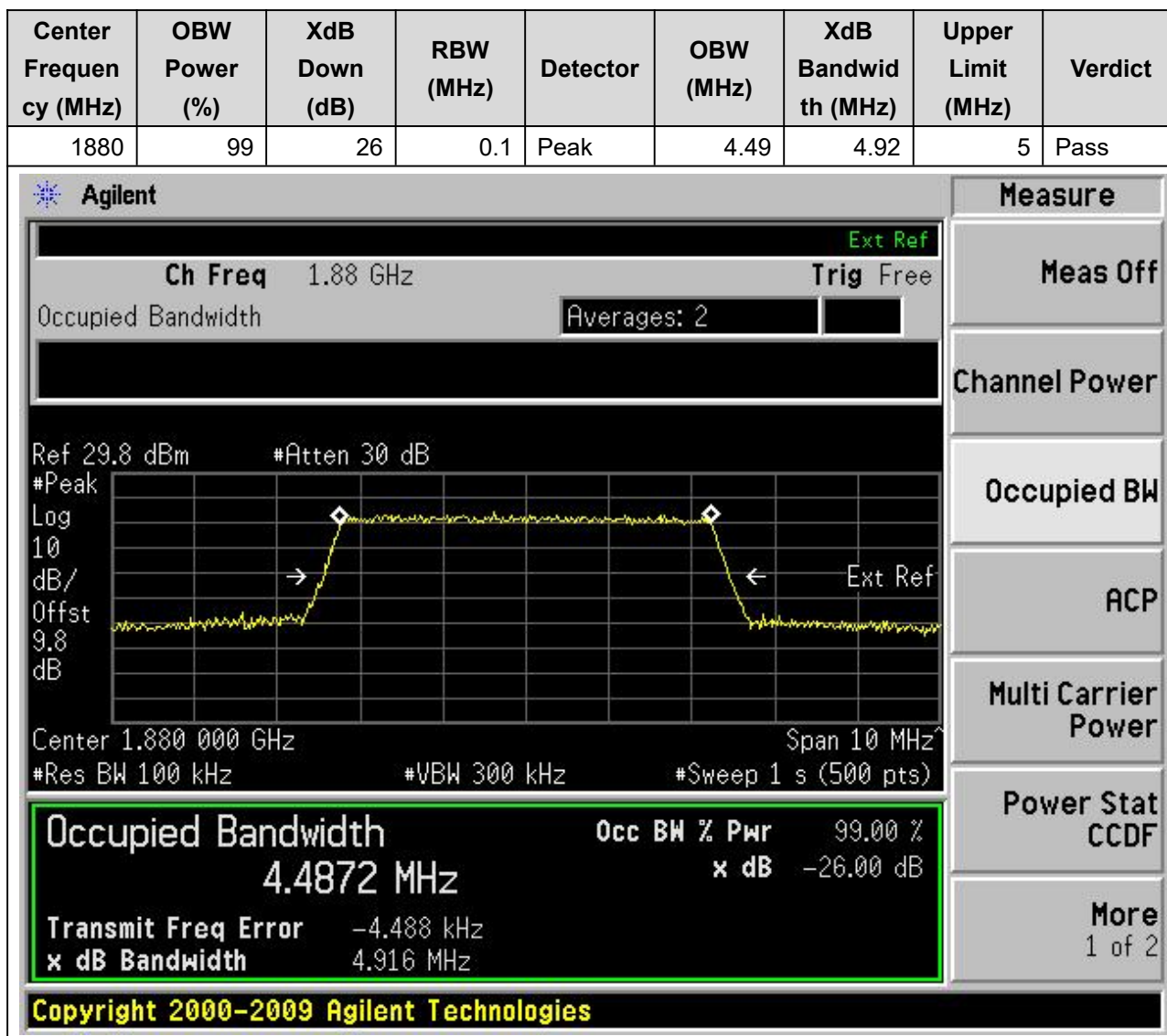


8.23 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)

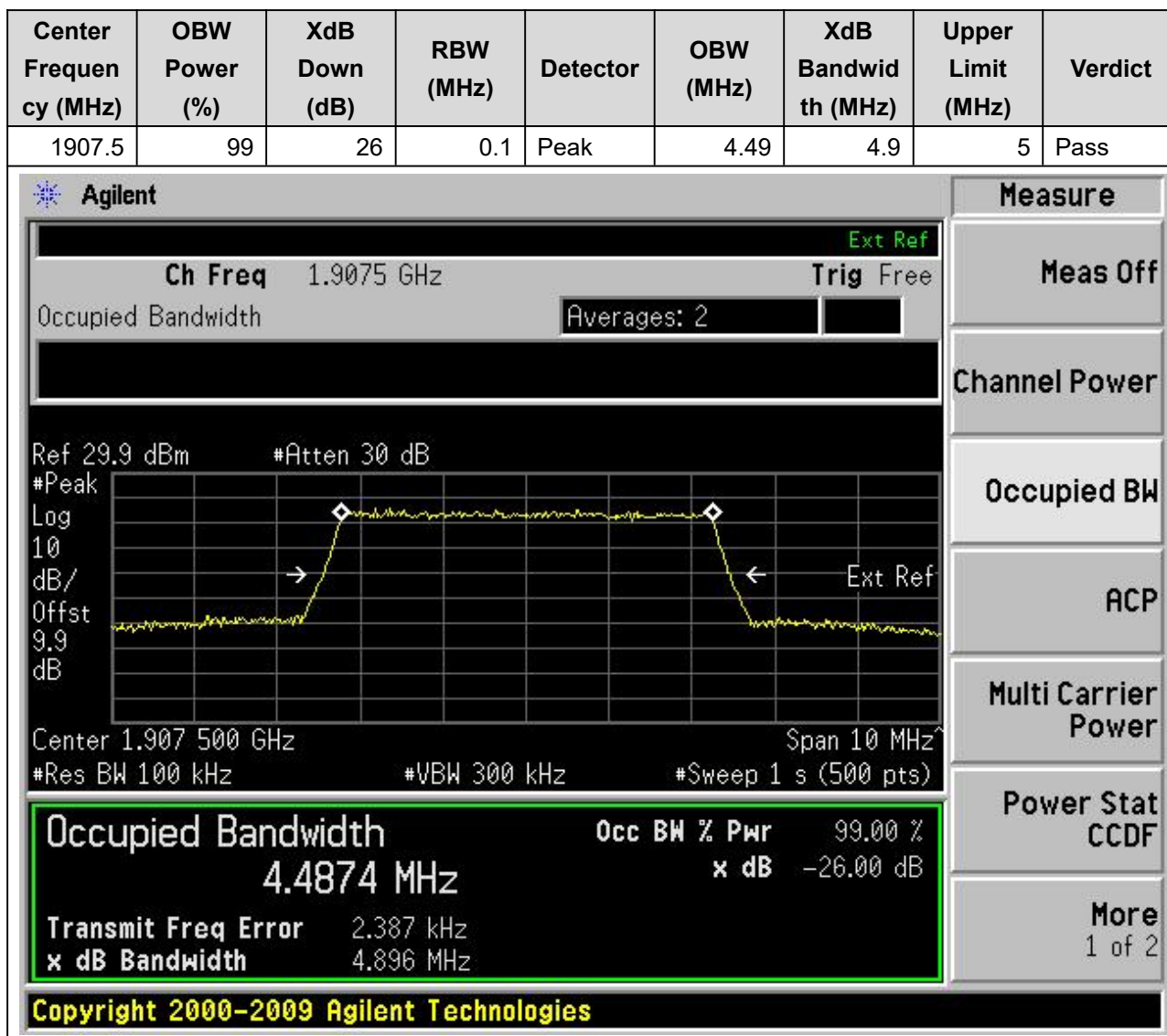
Center Frequency (MHz)	OBW Power (%)	XdB Down (dB)	RBW (MHz)	Detector	OBW (MHz)	XdB Bandwidth (MHz)	Upper Limit (MHz)	Verdict
1880	99	26	0.1	Peak	4.49	4.91	5	Pass



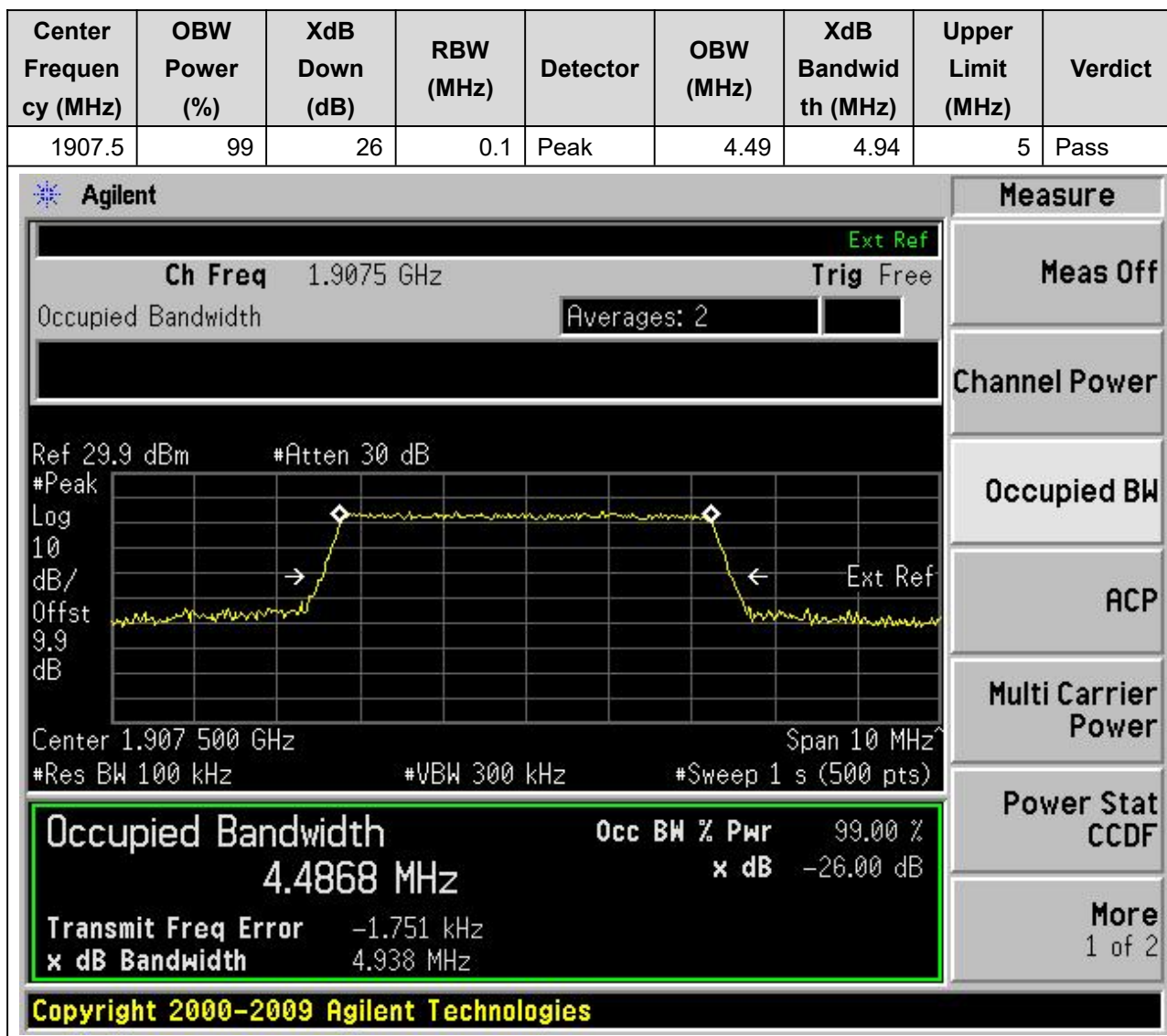
8.24 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



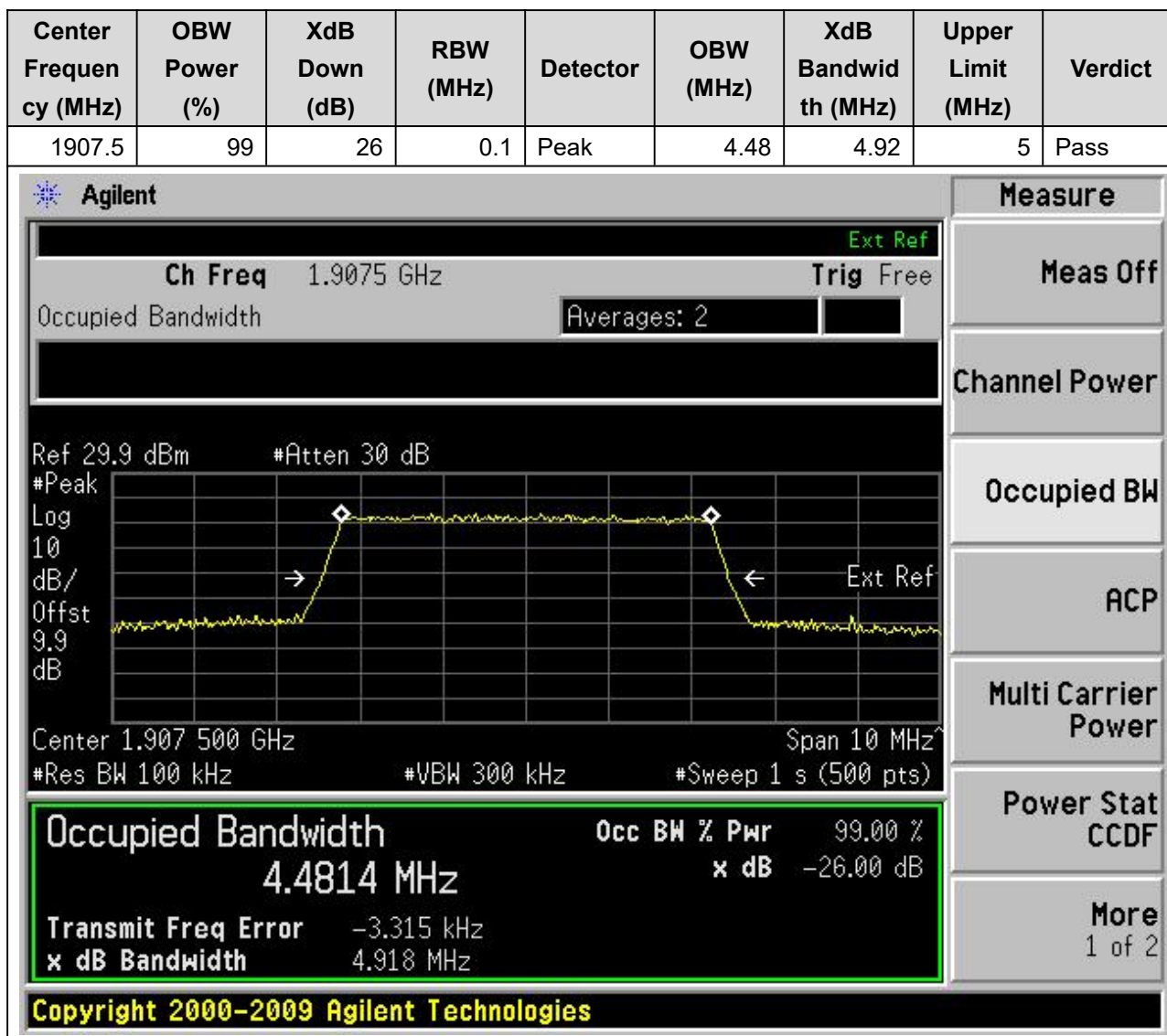
8.25 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19175, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



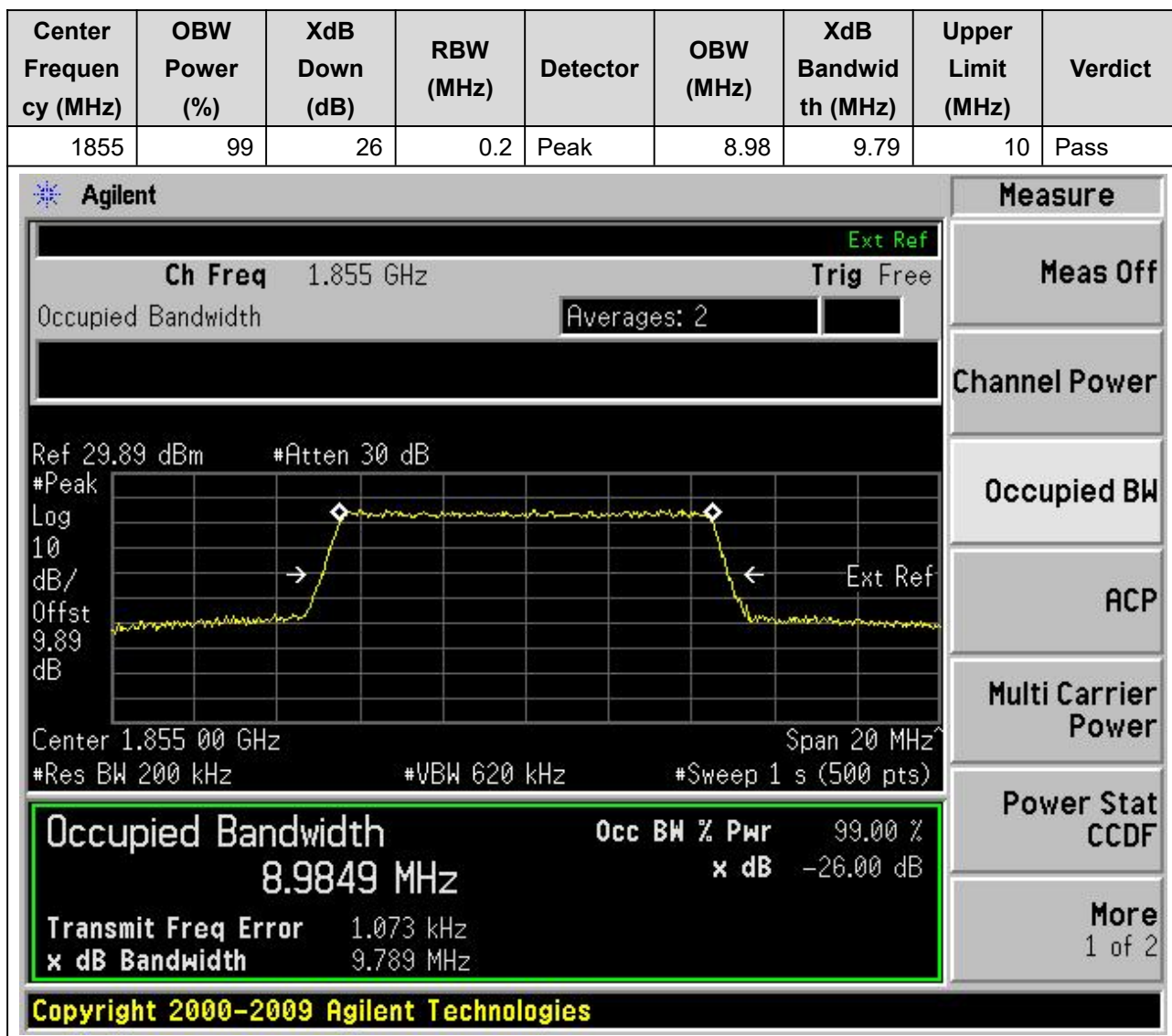
8.26 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19175, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



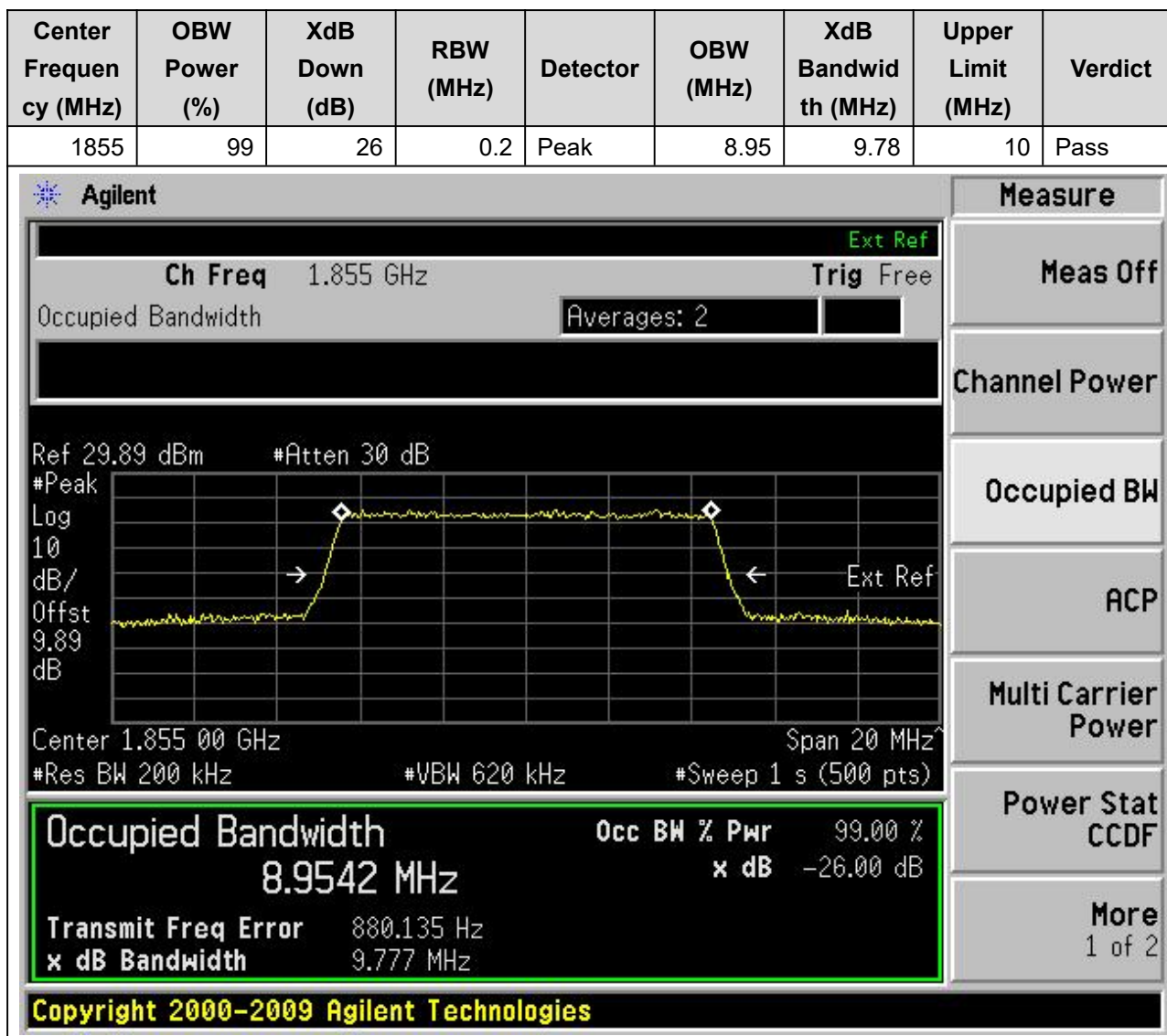
8.27 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19175, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



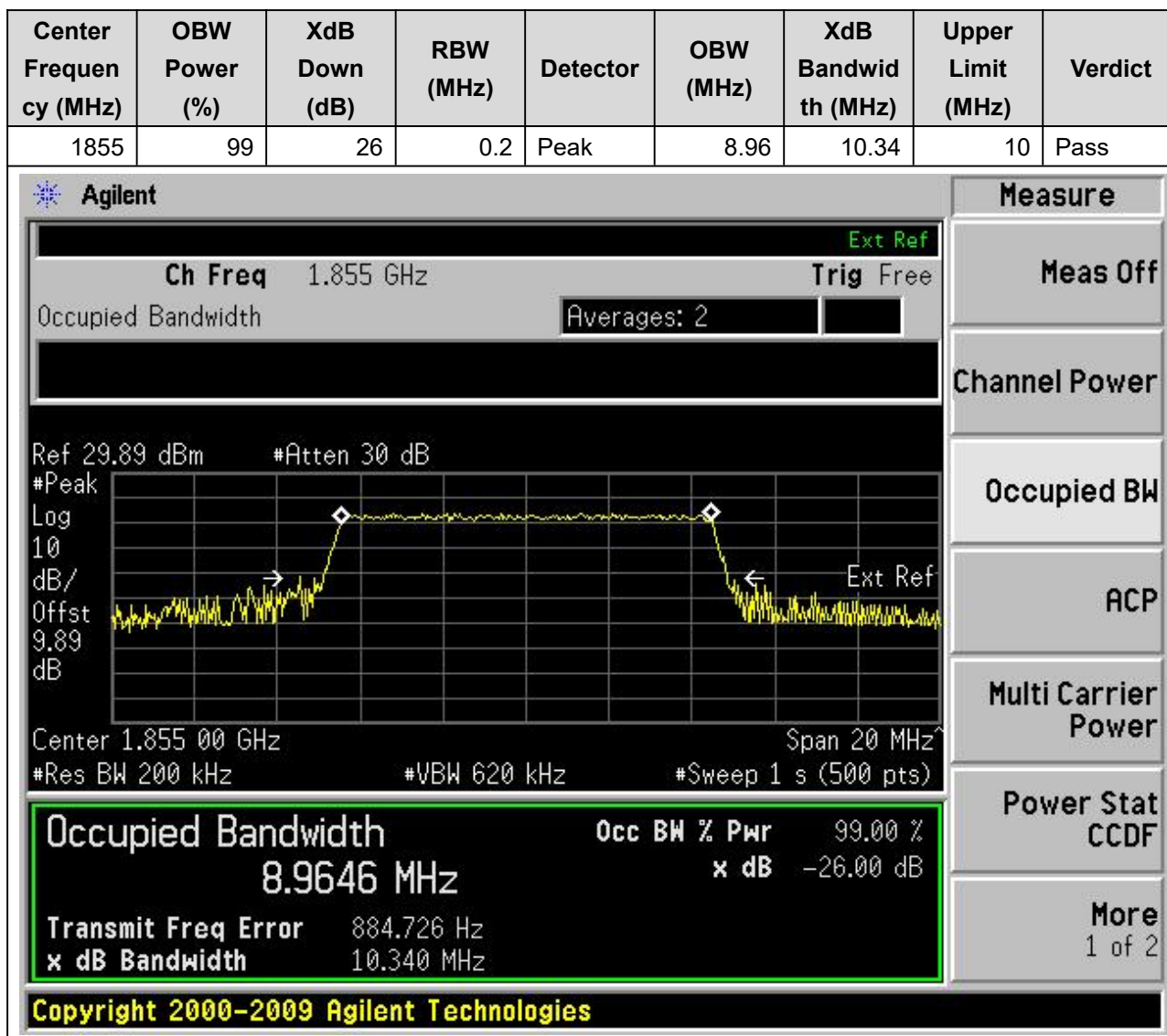
8.28 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18650, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



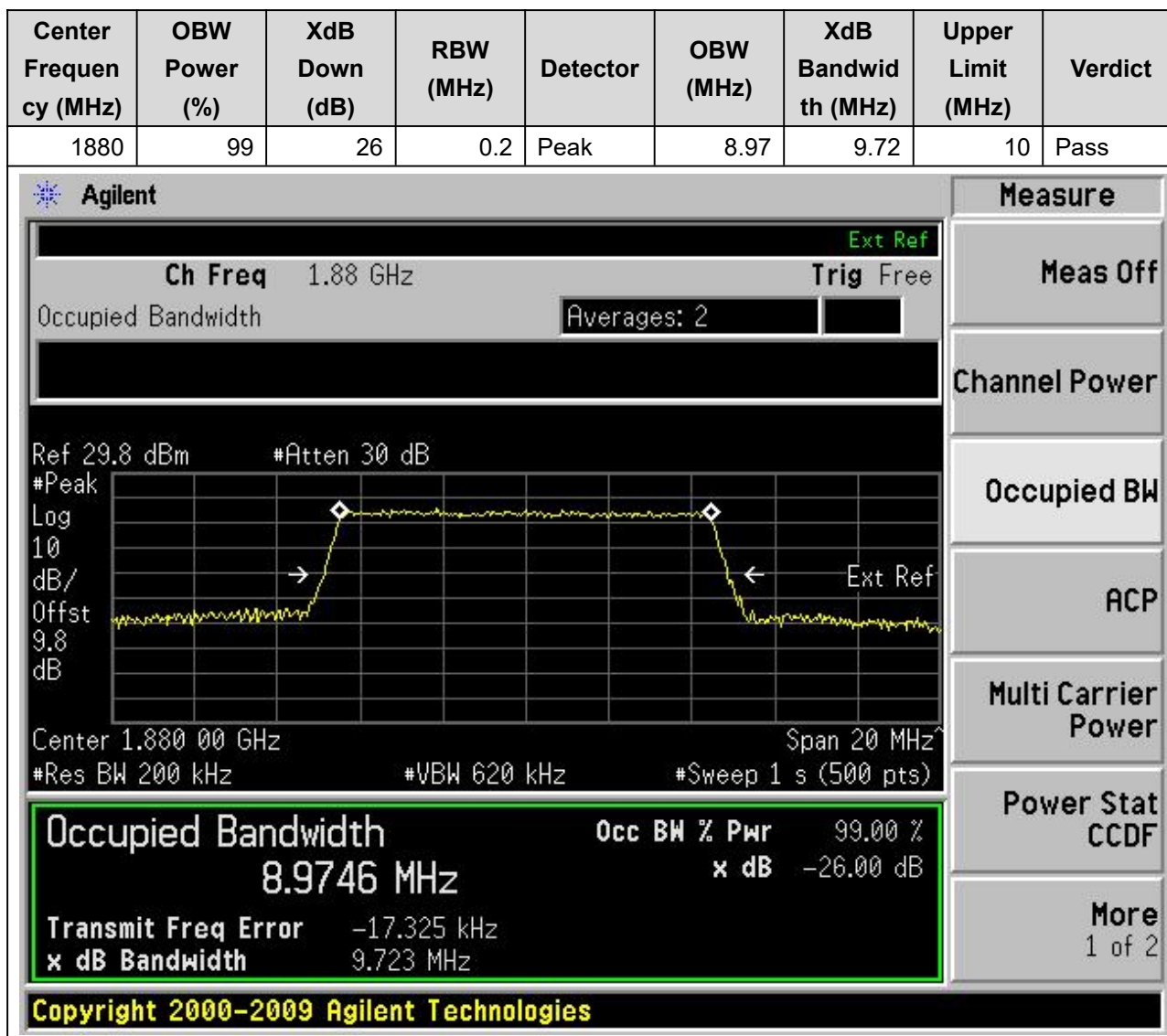
8.29 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18650, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)



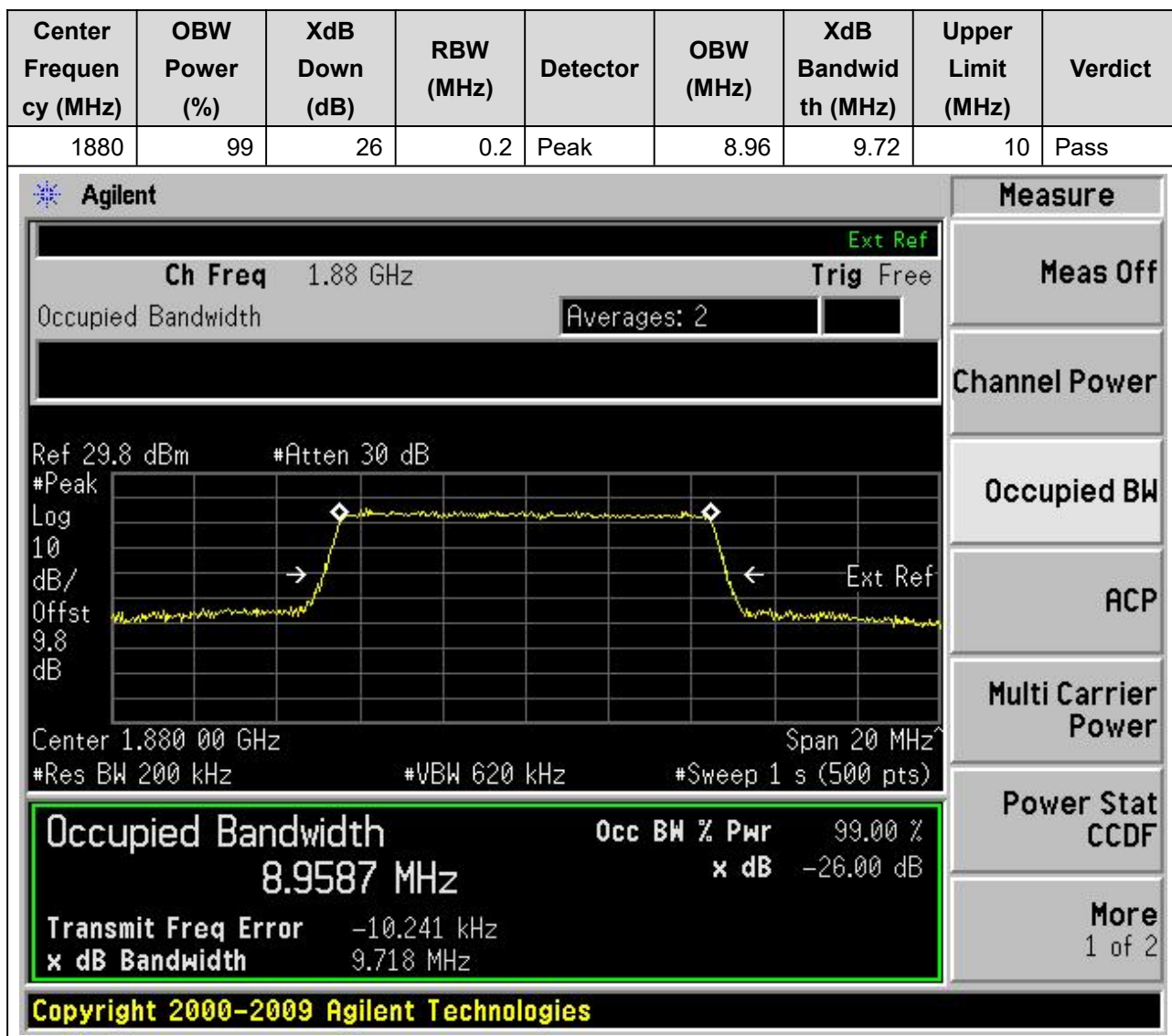
8.30 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18650, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)



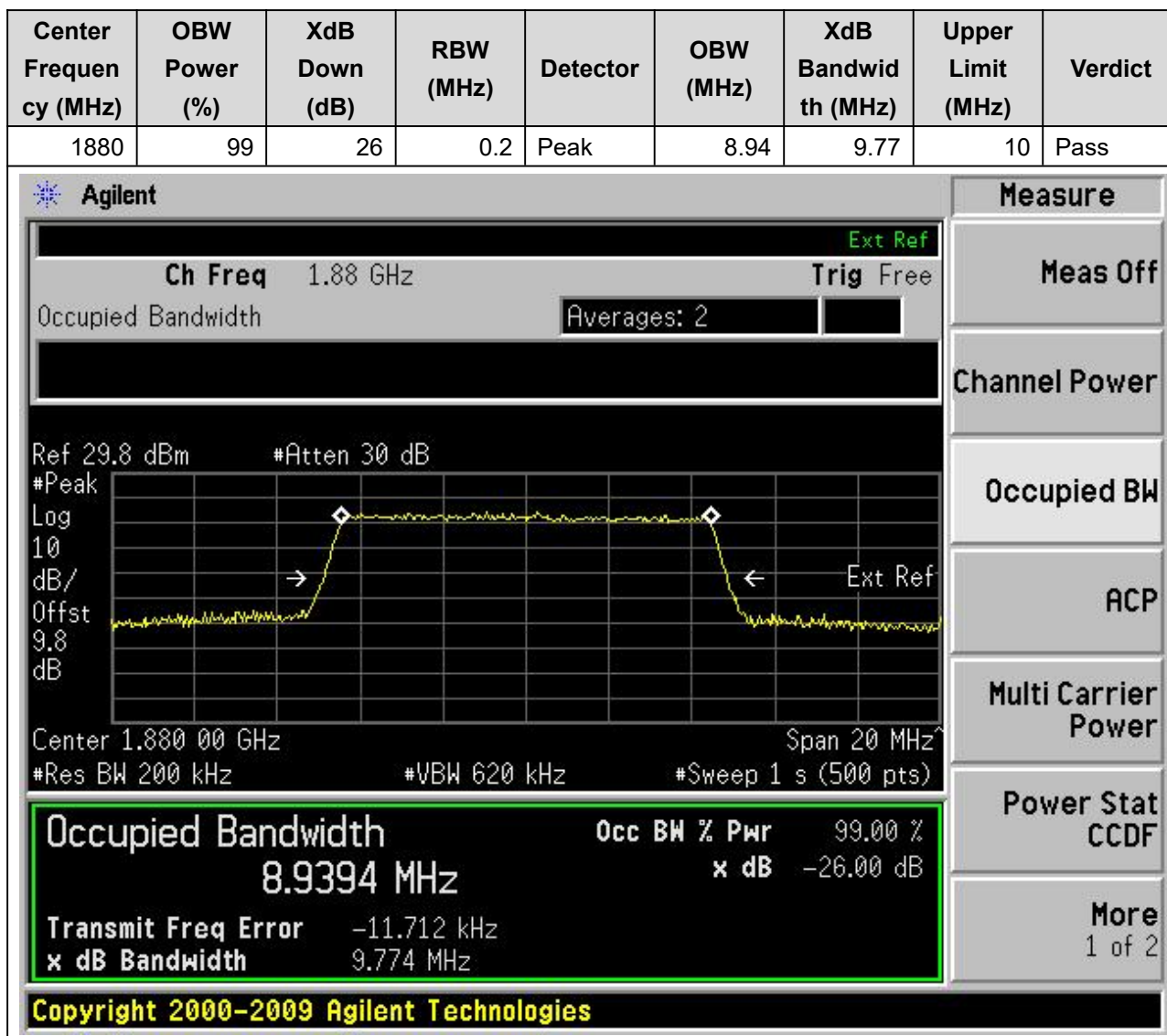
8.31 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



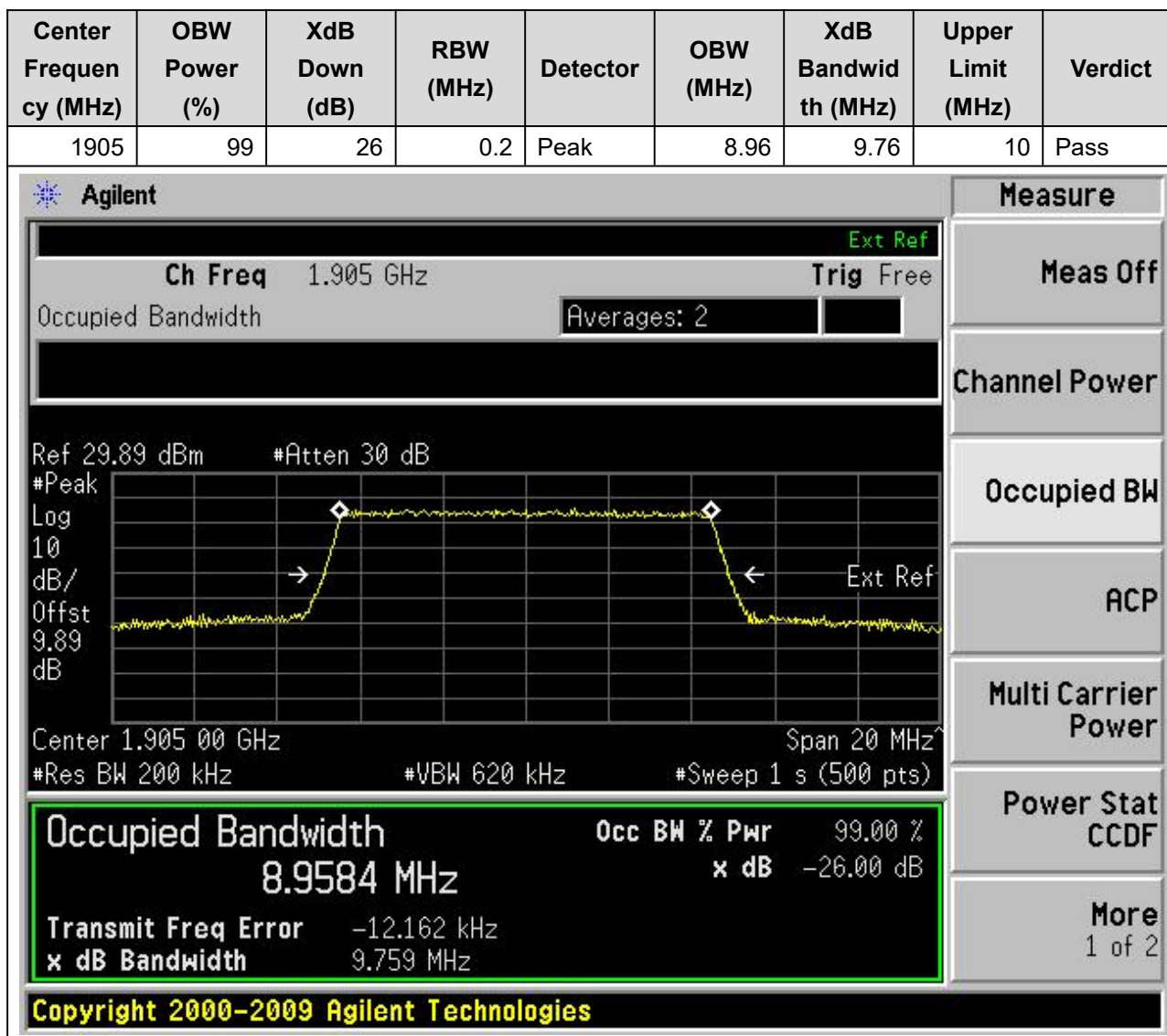
8.32 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)



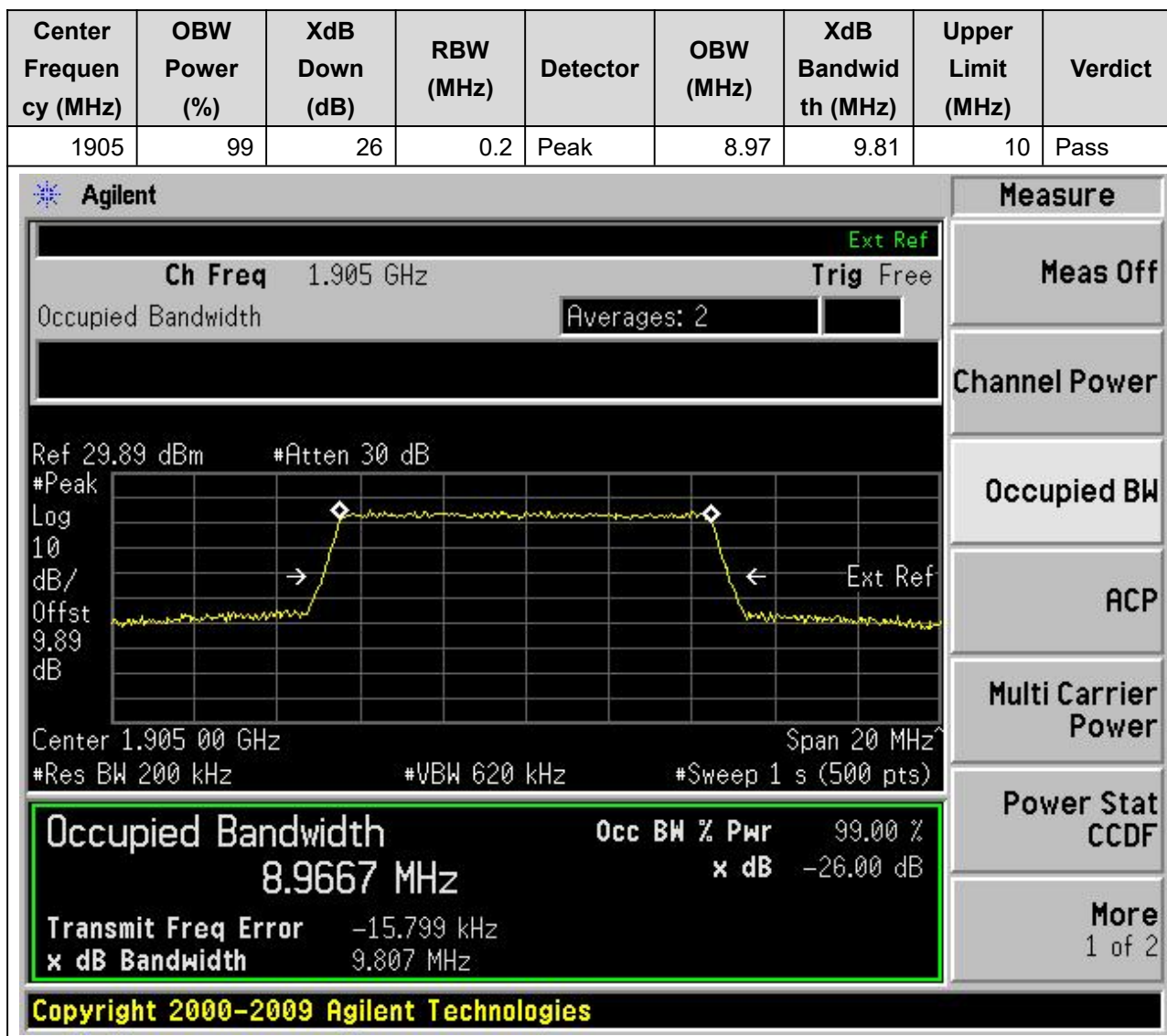
8.33 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)



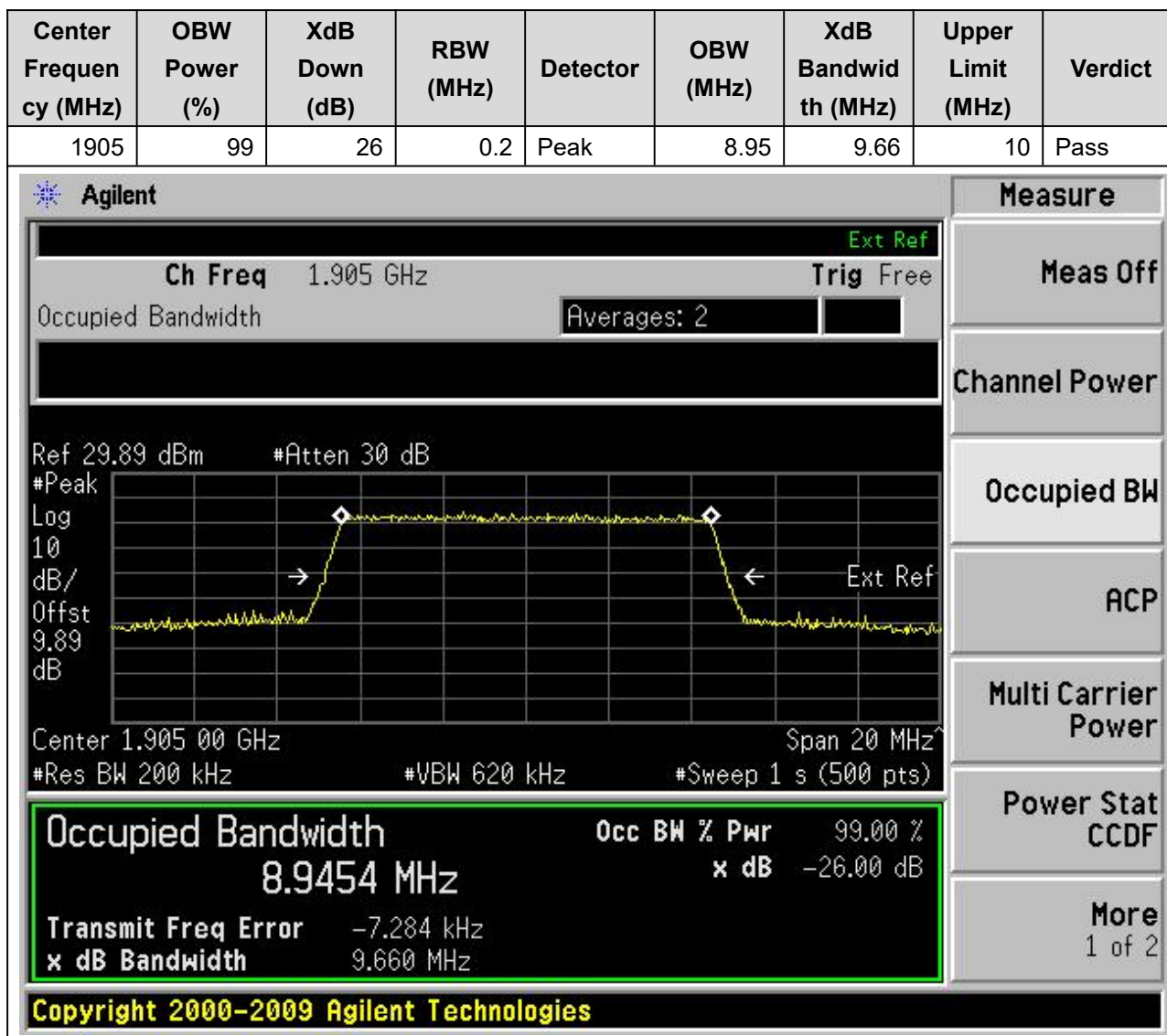
8.34 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19150, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



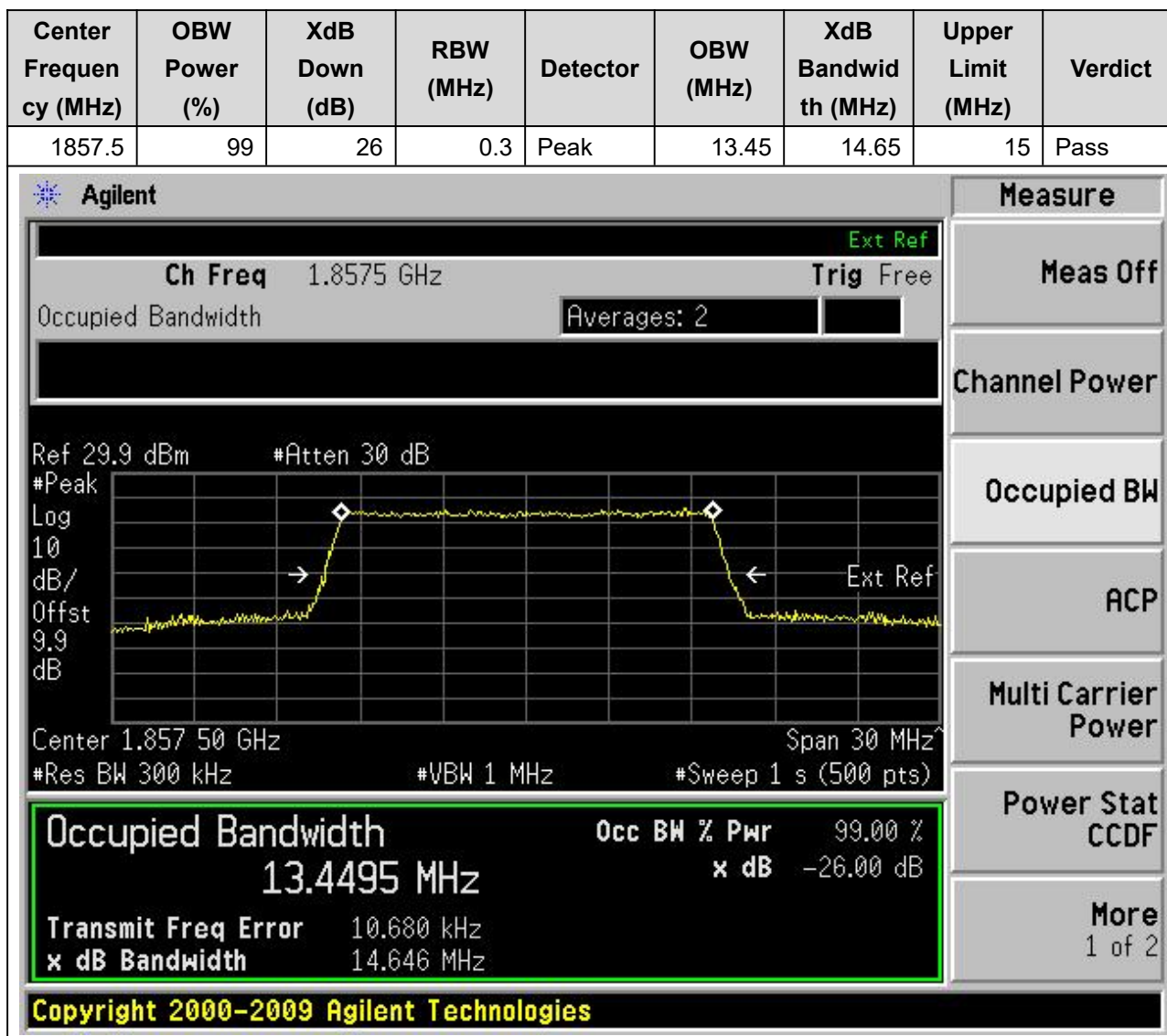
8.35 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19150, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)



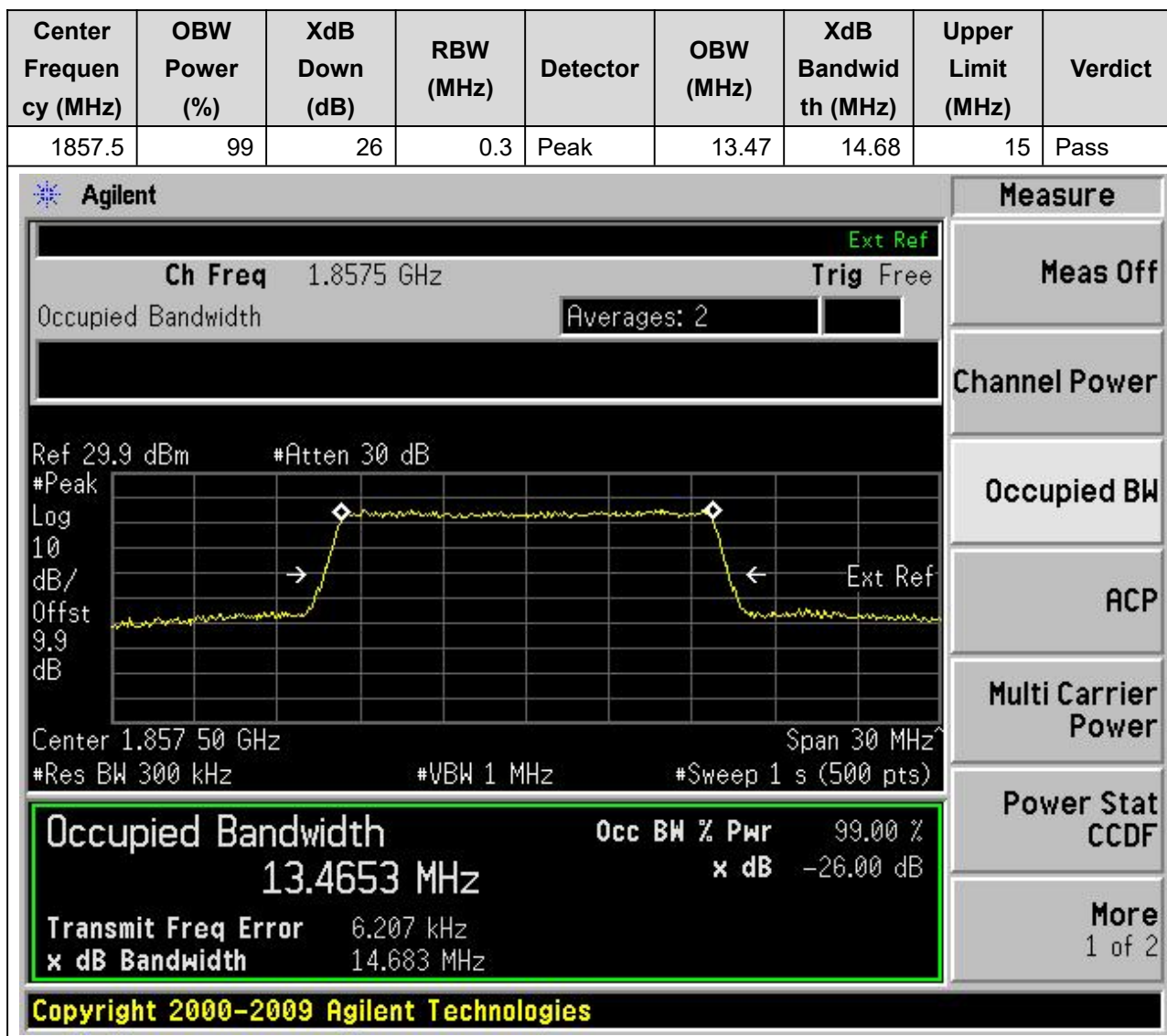
8.36 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19150, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)



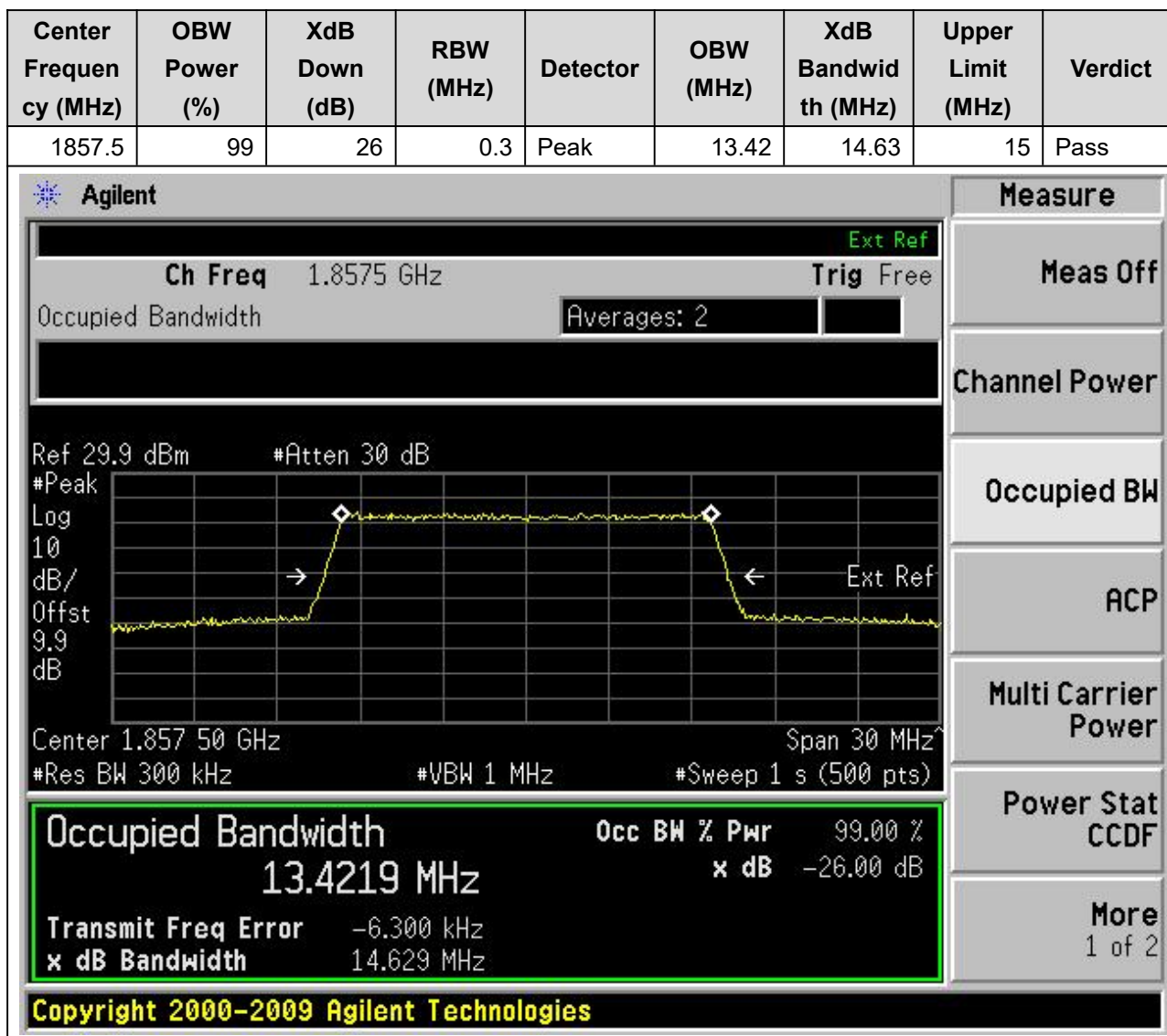
8.37 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18675, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)



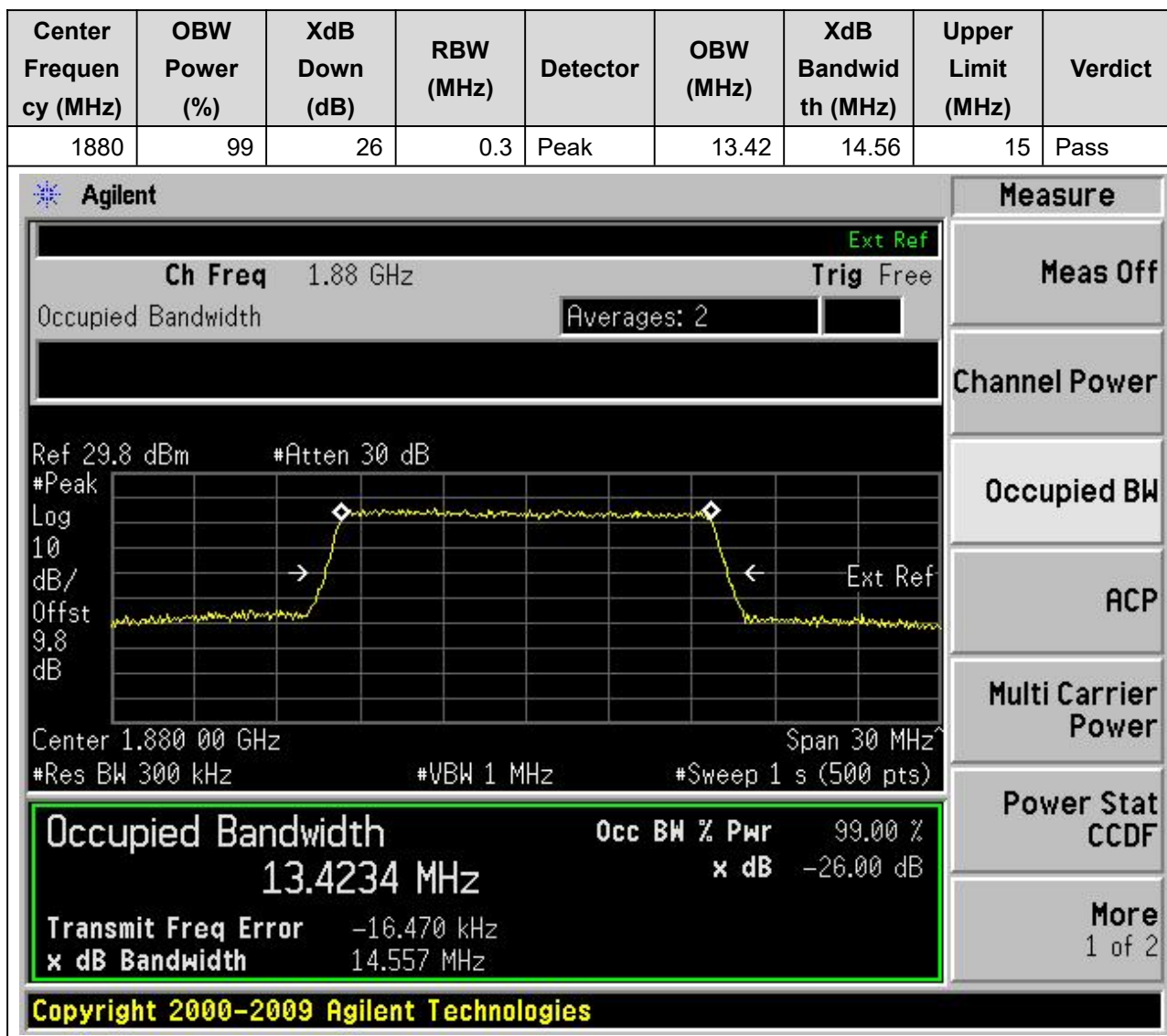
8.38 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18675, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)



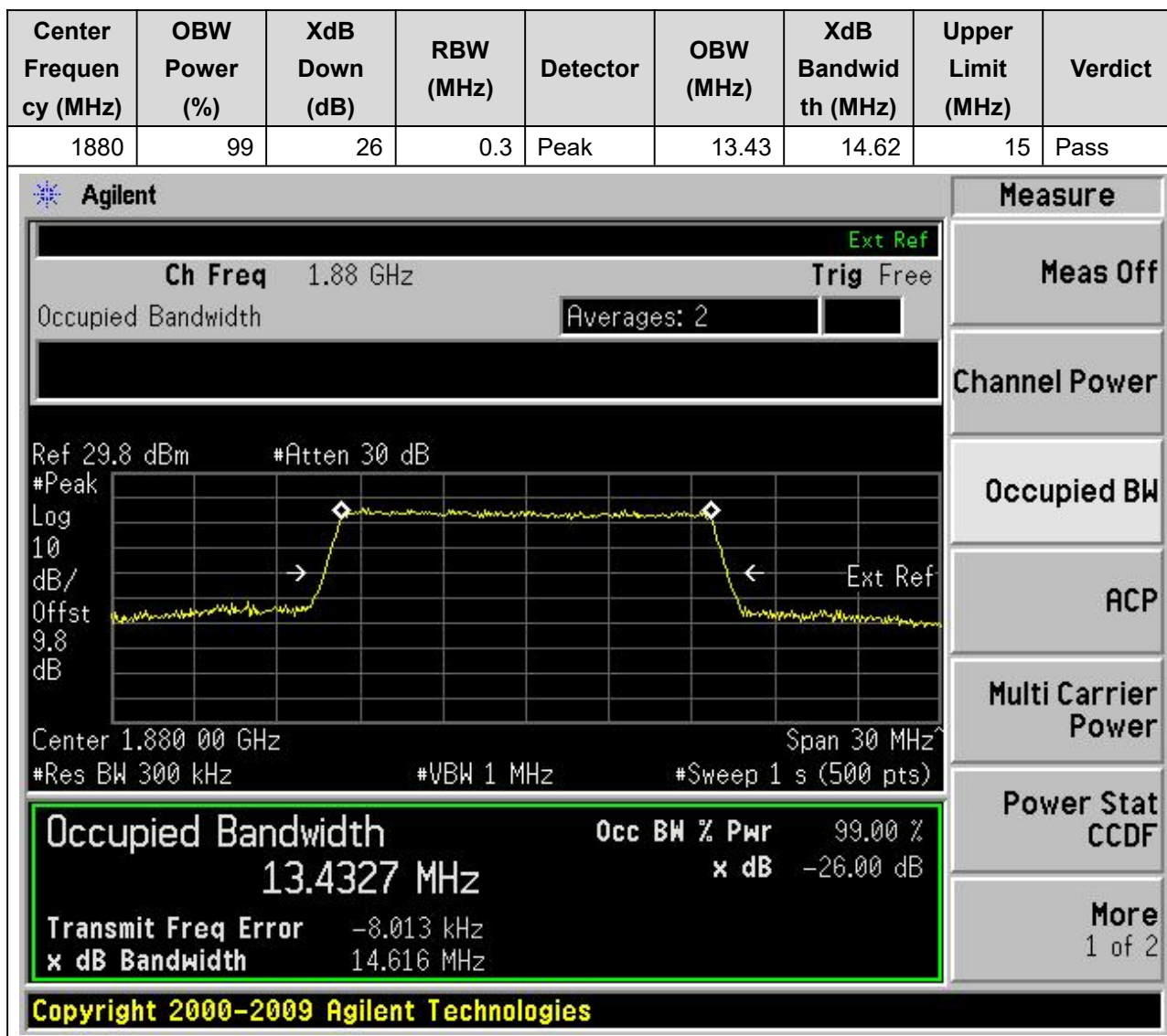
8.39 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18675, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)



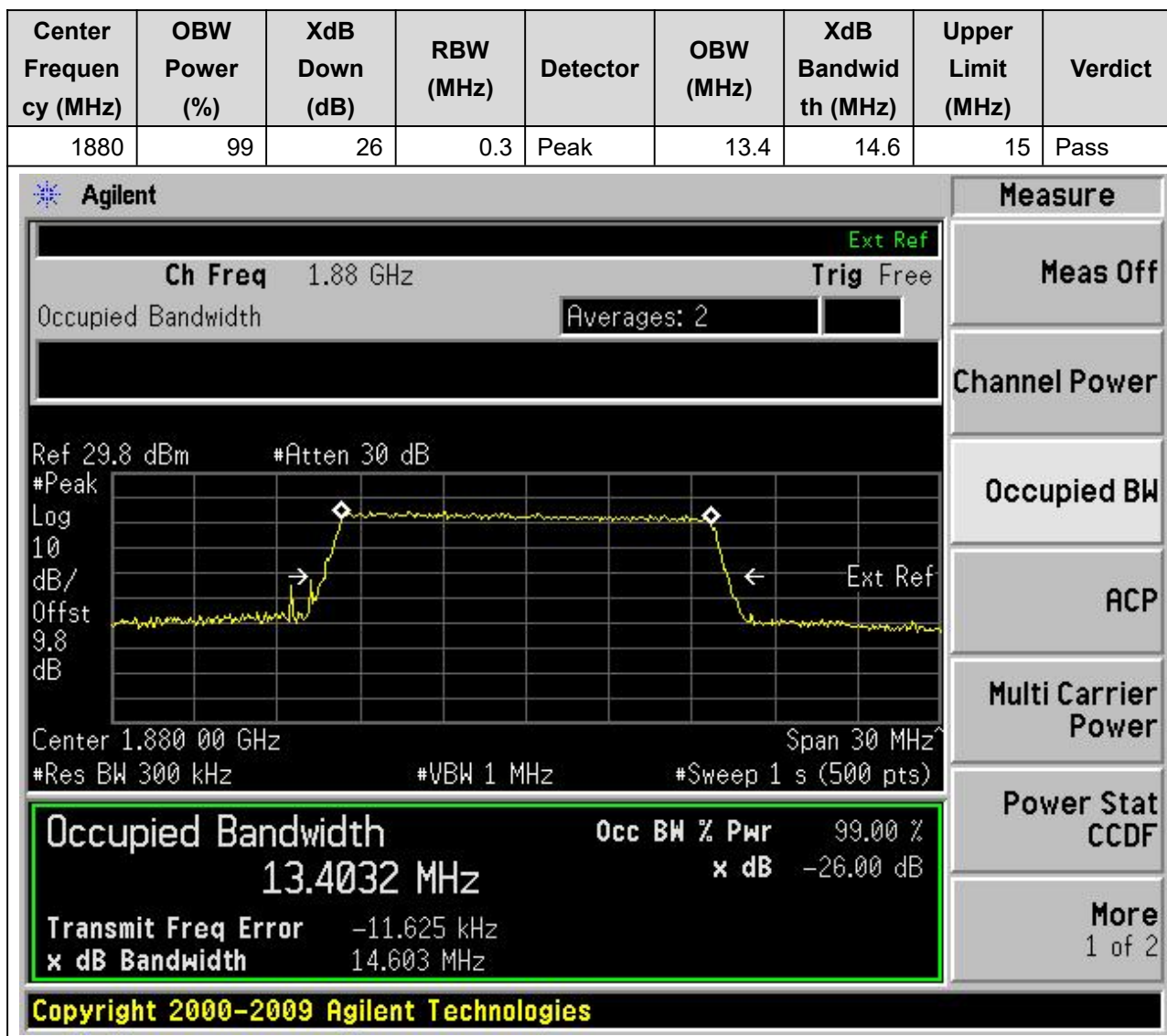
8.40 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)



8.41 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)



8.42 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:18900, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)



8.43 LTE Occupied Bandwidth_Part22-24-27(added 64QAM)(Channel:19125, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

