

Occupied Bandwidth

LTE Mode Test Data

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	OBW (MHz)	XdB Bandwidth (MHz)	Verdict
Band 48	5 MHz	LCH	QPSK	RB25#0	4.49	5.03	Pass
			16-QAM	RB25#0	4.5	5.14	Pass
			64-QAM	RB25#0	4.49	4.91	Pass
			256-QAM	RB25#0	4.48	5.13	Pass
		MCH	QPSK	RB25#0	4.49	5.08	Pass
			16-QAM	RB25#0	4.49	5.2	Pass
			64-QAM	RB25#0	4.48	4.94	Pass
			256-QAM	RB25#0	4.49	5.15	Pass
		HCH	QPSK	RB25#0	4.49	5.09	Pass
			16-QAM	RB25#0	4.5	5.24	Pass
			64-QAM	RB25#0	3.1	3.45	Pass
			256-QAM	RB25#0	1.73	2.2	Pass
	10 MHz	LCH	QPSK	RB50#0	8.99	10.25	Pass
			16-QAM	RB50#0	8.96	9.89	Pass
			64-QAM	RB50#0	8.97	9.93	Pass
			256-QAM	RB50#0	8.95	9.81	Pass
		MCH	QPSK	RB50#0	8.97	10.29	Pass
			16-QAM	RB50#0	8.96	10.04	Pass
			64-QAM	RB50#0	8.95	9.78	Pass
			256-QAM	RB50#0	8.95	9.79	Pass
		HCH	QPSK	RB50#0	8.97	10.3	Pass
			16-QAM	RB50#0	8.96	9.96	Pass
			64-QAM	RB50#0	8.94	9.74	Pass
			256-QAM	RB50#0	8.95	9.74	Pass
	15 MHz	LCH	QPSK	RB75#0	13.48	14.41	Pass
			16-QAM	RB75#0	13.48	14.41	Pass
			64-QAM	RB75#0	13.45	14.46	Pass
			256-QAM	RB75#0	13.49	14.36	Pass
		MCH	QPSK	RB75#0	13.5	14.43	Pass
			16-QAM	RB75#0	13.49	14.45	Pass
			64-QAM	RB75#0	13.45	14.41	Pass
			256-QAM	RB75#0	13.49	14.43	Pass
		HCH	QPSK	RB75#0	13.48	14.44	Pass
			16-QAM	RB75#0	13.49	14.51	Pass
			64-QAM	RB75#0	13.47	14.54	Pass
			256-QAM	RB75#0	13.48	14.4	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	OBW (MHz)	XdB Bandwidth (MHz)	Verdict
	20 MHz	LCH	QPSK	RB100#0	17.93	19.26	Pass
			16-QAM	RB100#0	17.93	19.33	Pass
			64-QAM	RB100#0	17.94	19.33	Pass
			256-QAM	RB100#0	17.92	19.15	Pass
		MCH	QPSK	RB100#0	17.95	19.28	Pass
			16-QAM	RB100#0	17.95	19.49	Pass
			64-QAM	RB100#0	17.93	19.37	Pass
			256-QAM	RB100#0	17.92	19.16	Pass
		HCH	QPSK	RB100#0	17.95	19.28	Pass
			16-QAM	RB100#0	17.91	19.3	Pass
			64-QAM	RB100#0	17.96	19.34	Pass
			256-QAM	RB100#0	17.92	19.1	Pass

LTE CA Mode Test Data

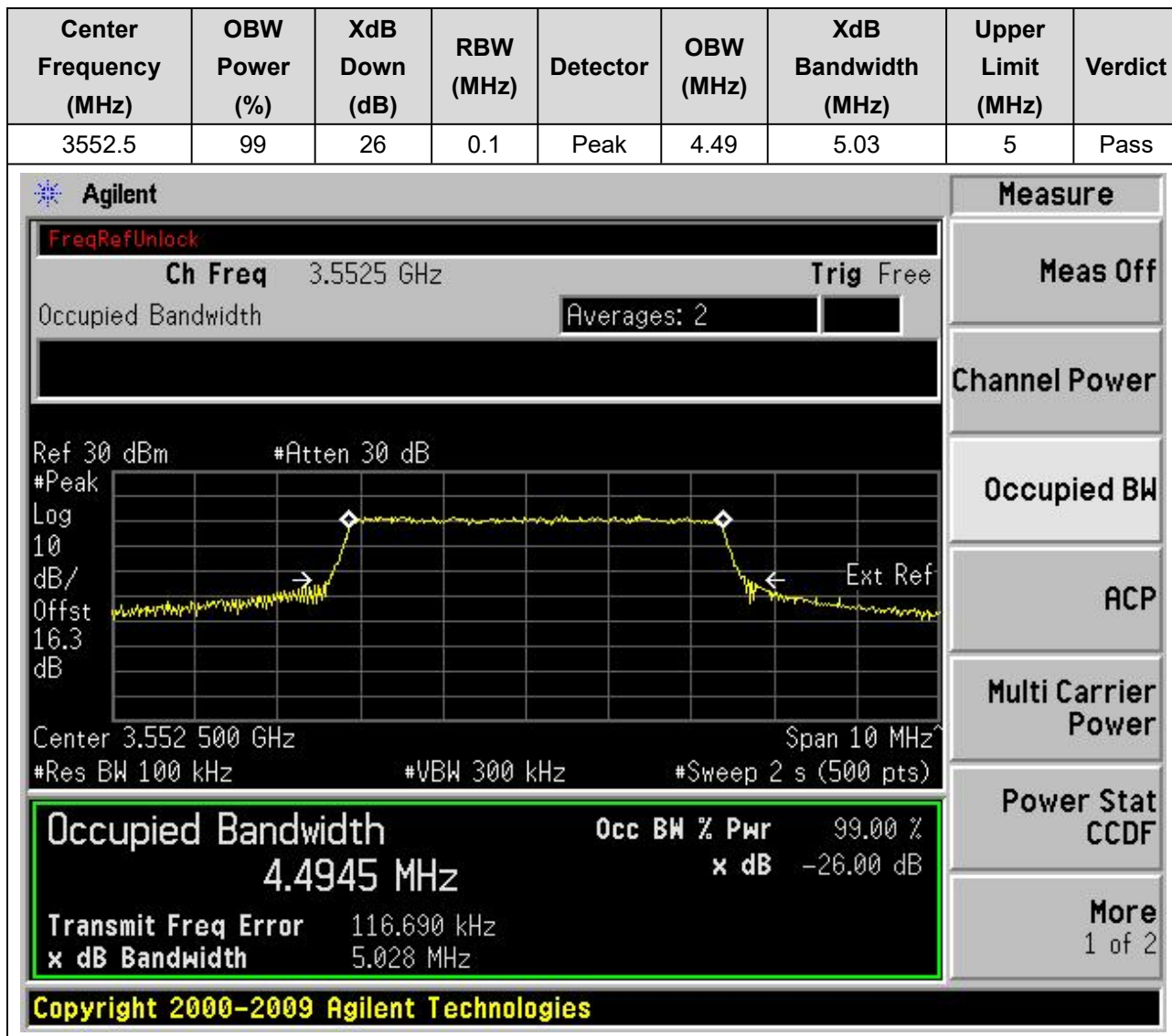
Test Channel	Modulation	UL RB Number		UL RB Position		OBW (MHz)	XdB Bandwidth (MHz)	Verdict
CA_48C								
5MHz+20MHz								
55898 56015	QPSK	Full	Full	Low	Low	23.03	26.06	Pass
	16-QAM	Full	Full	Low	Low	22.99	25.57	Pass
20MHz+5MHz								
55965 56082	QPSK	Full	Full	Low	Low	23.02	25.34	Pass
	16-QAM	Full	Full	Low	Low	22.97	24.59	Pass
10MHz+20MHz								
55896 56040	QPSK	Full	Full	Low	Low	27.88	29.97	Pass
	16-QAM	Full	Full	Low	Low	27.8	30.86	Pass
20MHz+10MHz								
55941 56085	QPSK	Full	Full	Low	Low	27.91	31.49	Pass
	16-QAM	Full	Full	Low	Low	27.86	30.4	Pass
15MHz+20MHz								
55893 56064	QPSK	Full	Full	Low	Low	32.8	36.62	Pass
	16-QAM	Full	Full	Low	Low	32.76	36.81	Pass
20MHz+15MHz								
55916 56087	QPSK	Full	Full	Low	Low	32.81	38.9	Pass
	16-QAM	Full	Full	Low	Low	32.78	36.58	Pass
20MHz+20MHz								
55891 56089	QPSK	Full	Full	Low	Low	37.77	42.74	Pass
	16-QAM	Full	Full	Low	Low	37.69	43.66	Pass

NR Mode Test Data

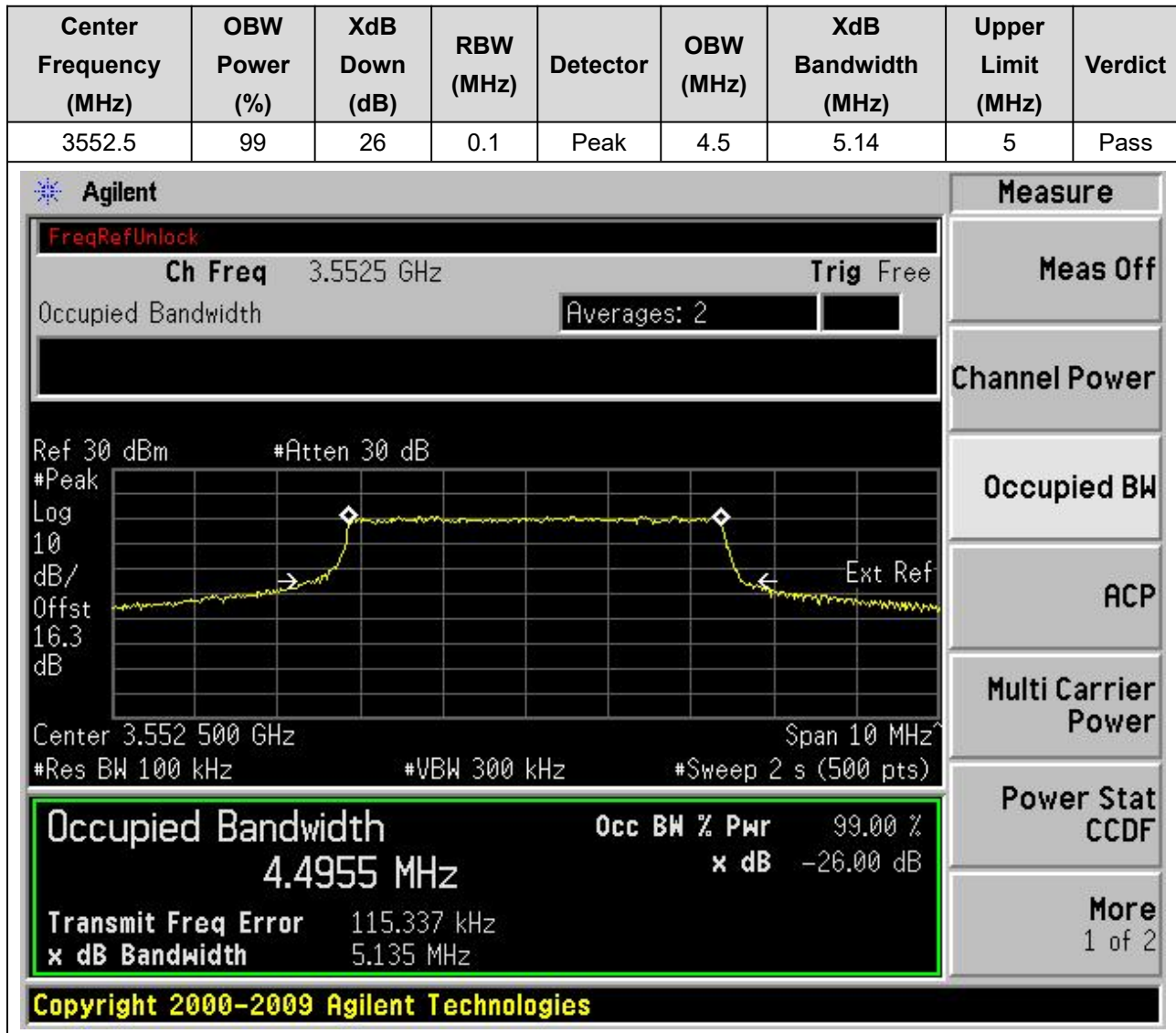
Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	OBW (MHz)	XdB Bandwidth (MHz)	Verdict
n48	10 MHz	LCH	QPSK	24	0	8.64	9.79	Pass
		MCH	QPSK	24	0	8.63	9.8	Pass
		HCH	QPSK	24	0	8.63	9.81	Pass
	10 MHz	LCH	16QAM	24	0	8.67	9.78	Pass
		MCH	16QAM	24	0	8.68	9.88	Pass
		HCH	16QAM	24	0	8.64	9.85	Pass
	10 MHz	LCH	64QAM	24	0	8.63	9.74	Pass
		MCH	64QAM	24	0	8.62	9.72	Pass
		HCH	64QAM	24	0	8.62	9.75	Pass
	10 MHz	LCH	256QAM	24	0	8.63	9.79	Pass
		MCH	256QAM	24	0	8.63	9.81	Pass
		HCH	256QAM	24	0	8.62	9.81	Pass
	20 MHz	LCH	QPSK	24	0	18.28	19.79	Pass
		MCH	QPSK	24	0	18.3	19.81	Pass
		HCH	QPSK	24	0	18.28	19.81	Pass
	20 MHz	LCH	16QAM	51	0	18.25	19.92	Pass
		MCH	16QAM	51	0	18.28	19.85	Pass
		HCH	16QAM	51	0	18.26	19.83	Pass
	20 MHz	LCH	64QAM	51	0	18.38	19.87	Pass
		MCH	64QAM	51	0	18.35	19.7	Pass
		HCH	64QAM	51	0	18.31	19.83	Pass
	20 MHz	LCH	256QAM	51	0	18.22	19.82	Pass
		MCH	256QAM	51	0	18.24	19.91	Pass
		HCH	256QAM	51	0	18.25	19.8	Pass
	40 MHz	LCH	QPSK	106	0	37.88	40.58	Pass
		MCH	QPSK	106	0	37.89	40.65	Pass
		HCH	QPSK	106	0	37.91	40.57	Pass
	40 MHz	LCH	16QAM	106	0	38.19	40.72	Pass
		MCH	16QAM	106	0	38.16	40.76	Pass
		HCH	16QAM	106	0	38.2	40.79	Pass
	40 MHz	LCH	64QAM	106	0	38.07	40.82	Pass
		MCH	64QAM	106	0	38.07	40.77	Pass
		HCH	64QAM	106	0	38.08	40.72	Pass
	40 MHz	LCH	256QAM	106	0	37.99	40.62	Pass
		MCH	256QAM	106	0	38.01	40.7	Pass
		HCH	256QAM	106	0	37.99	40.7	Pass

LTE_Band48

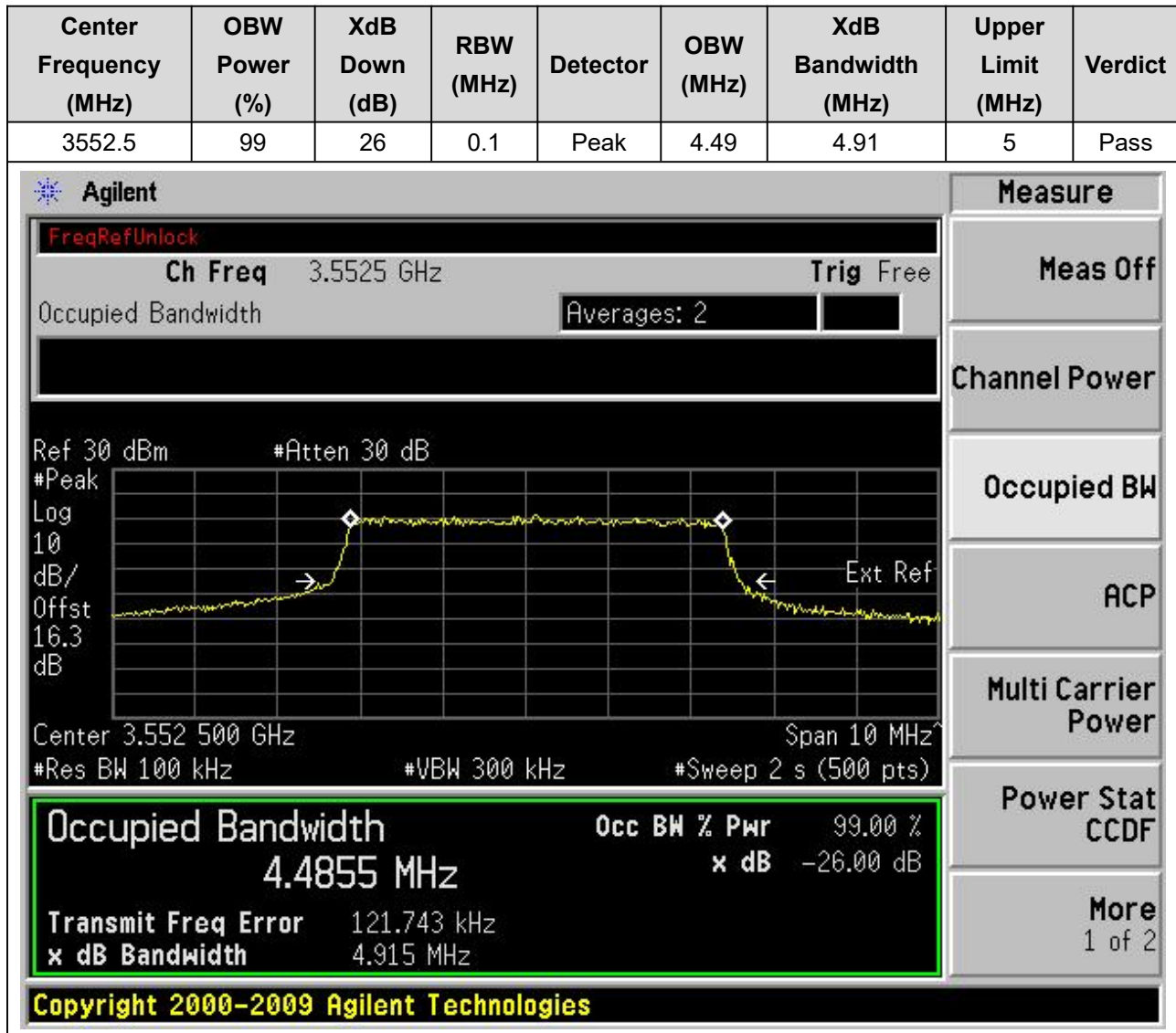
1.1 LTE Occupied Bandwidth_Part96(added
64QAM&256QAM)(NTNV)(Channel:55265, Bandwidth:5, Modulation:QPSK, RB
Number:25, RB Position:0)



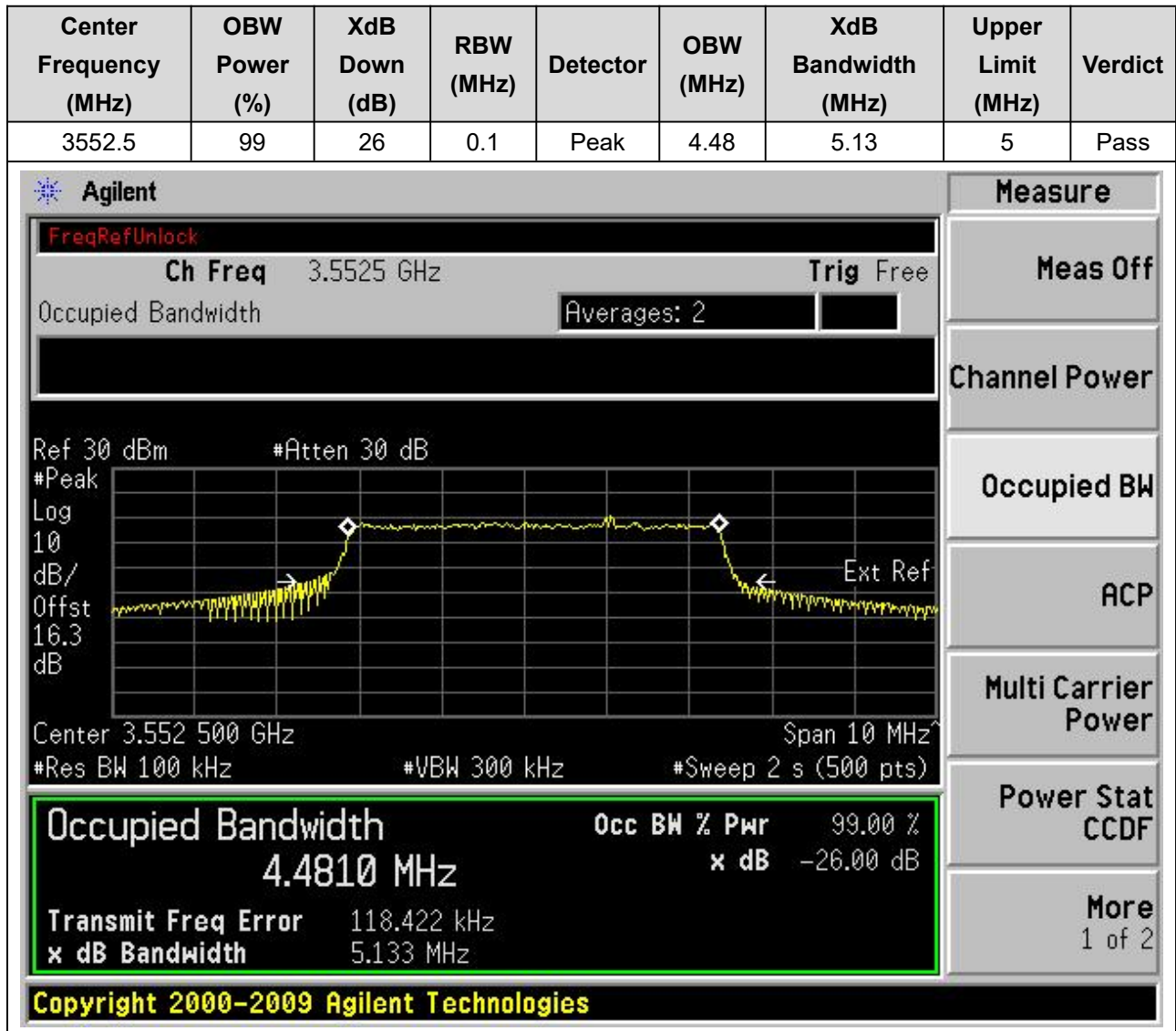
1.2 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55265, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



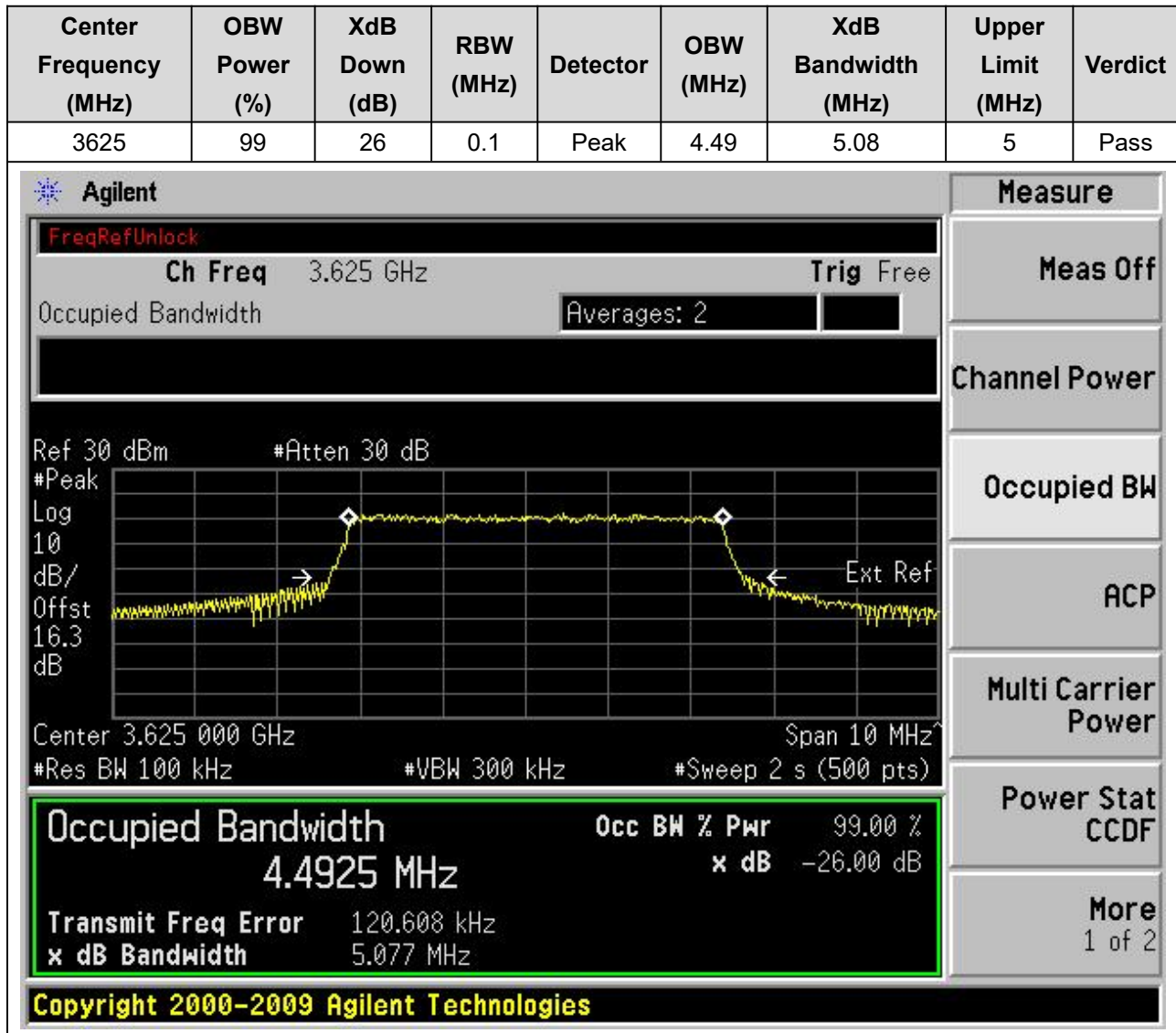
1.3 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55265, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



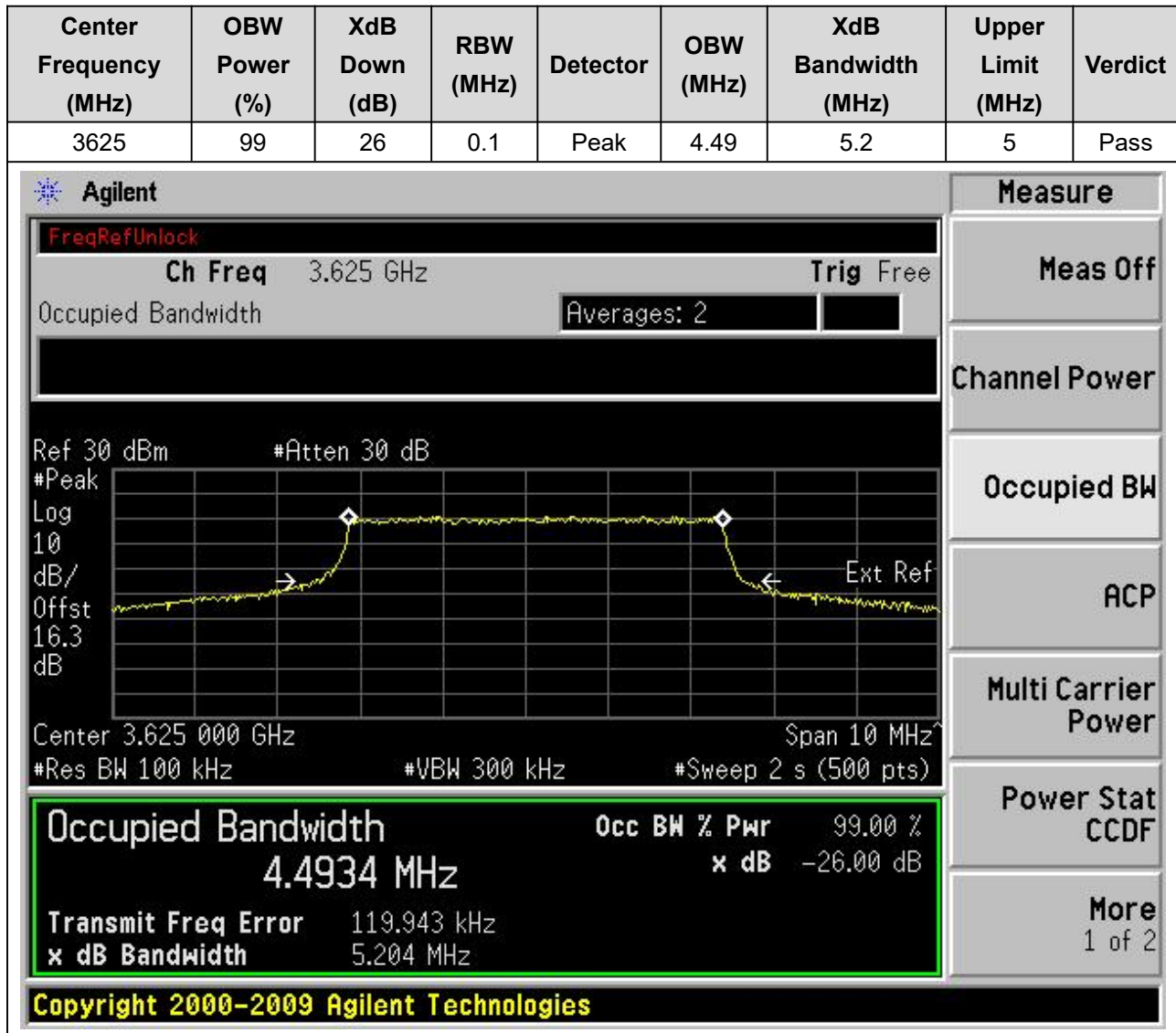
1.4 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55265, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)



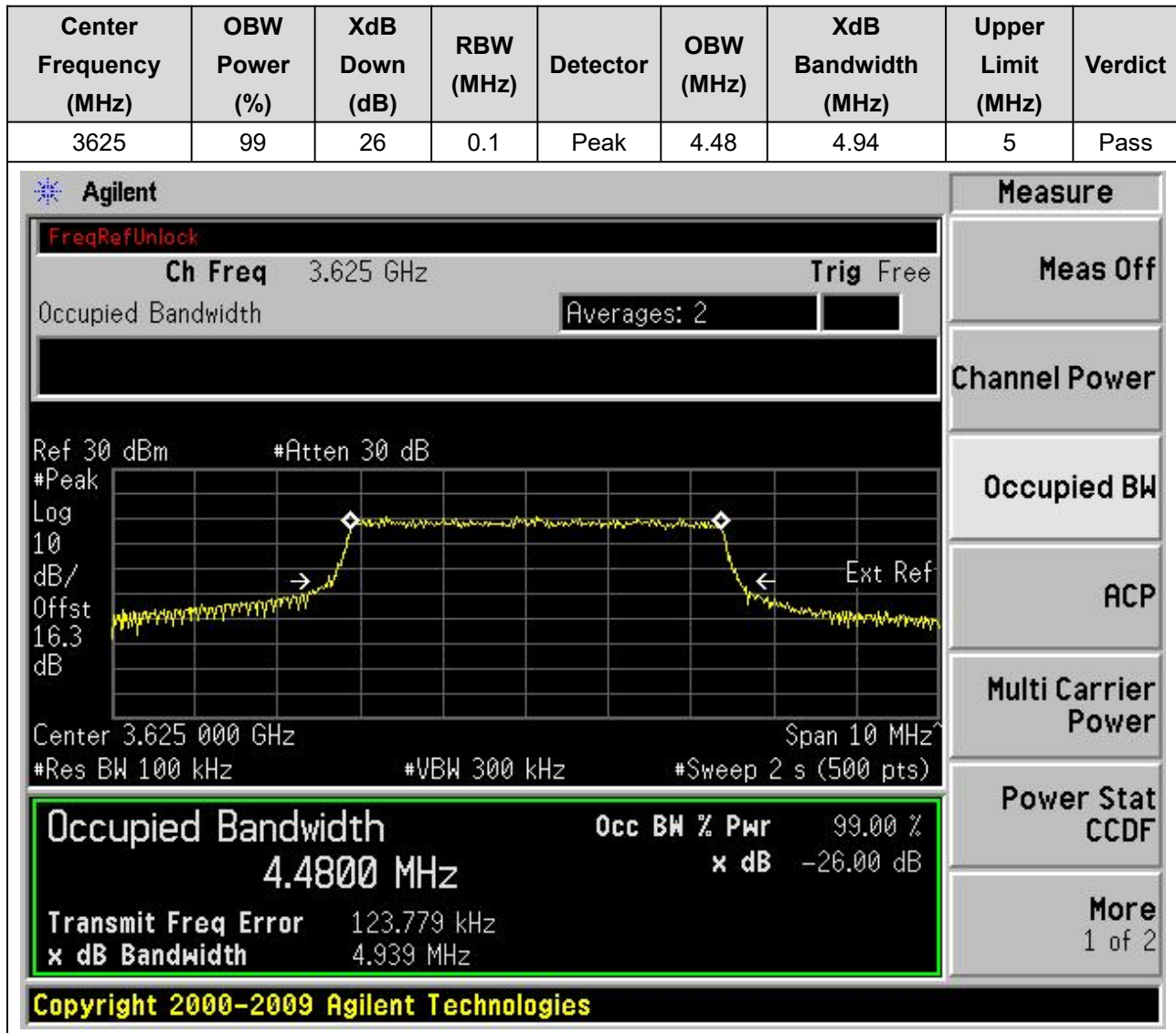
1.5 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



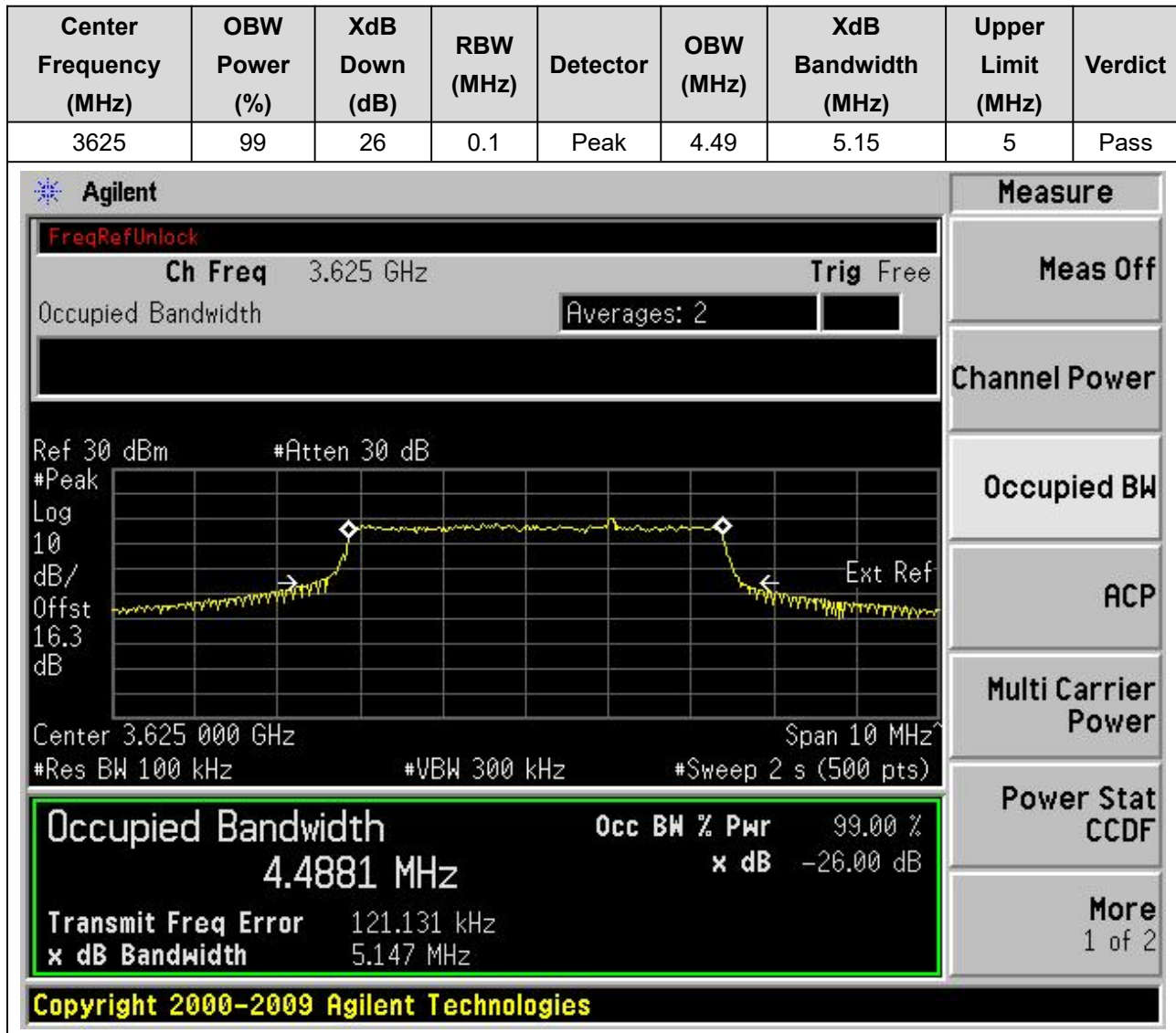
1.6 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



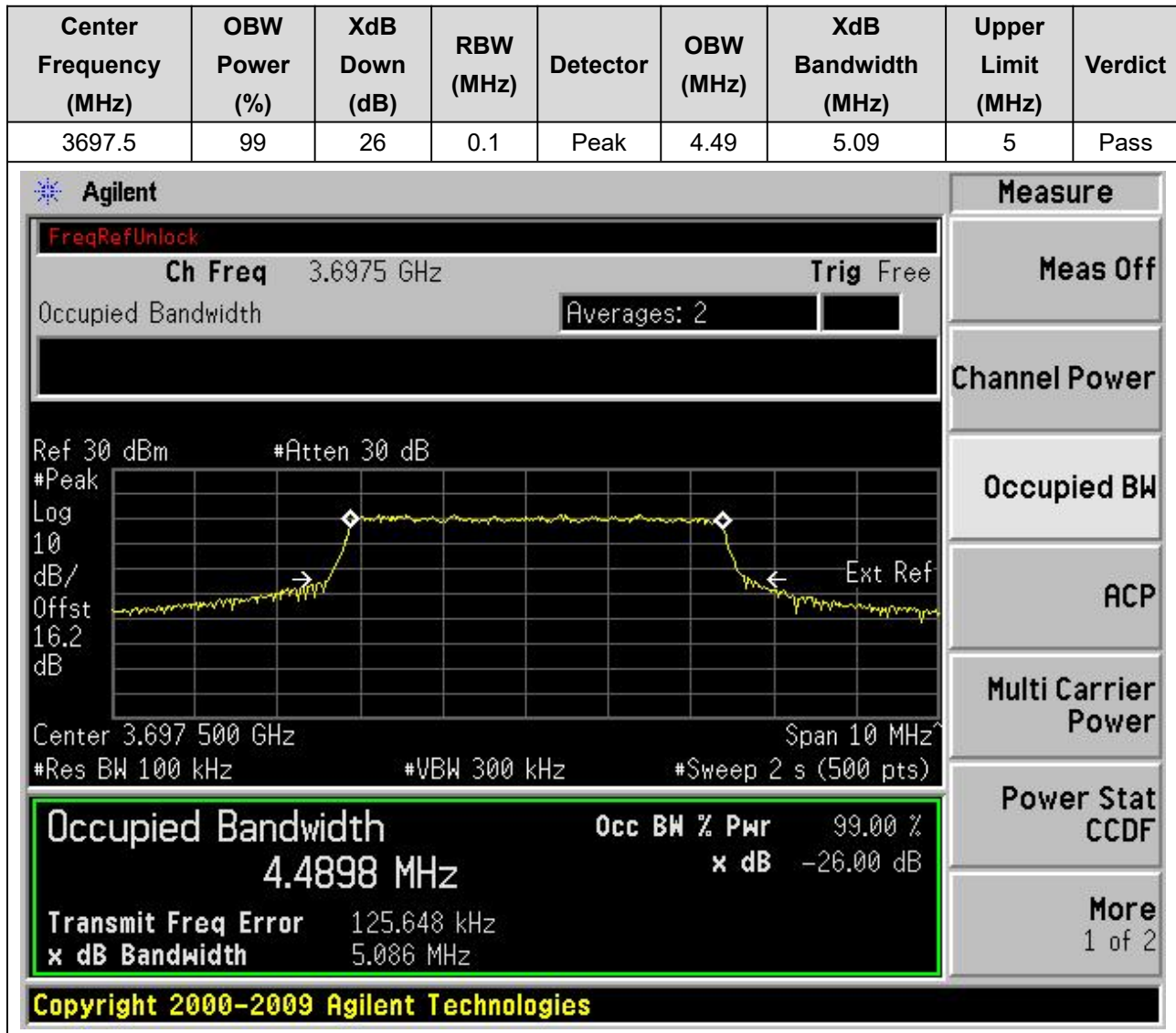
1.7 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



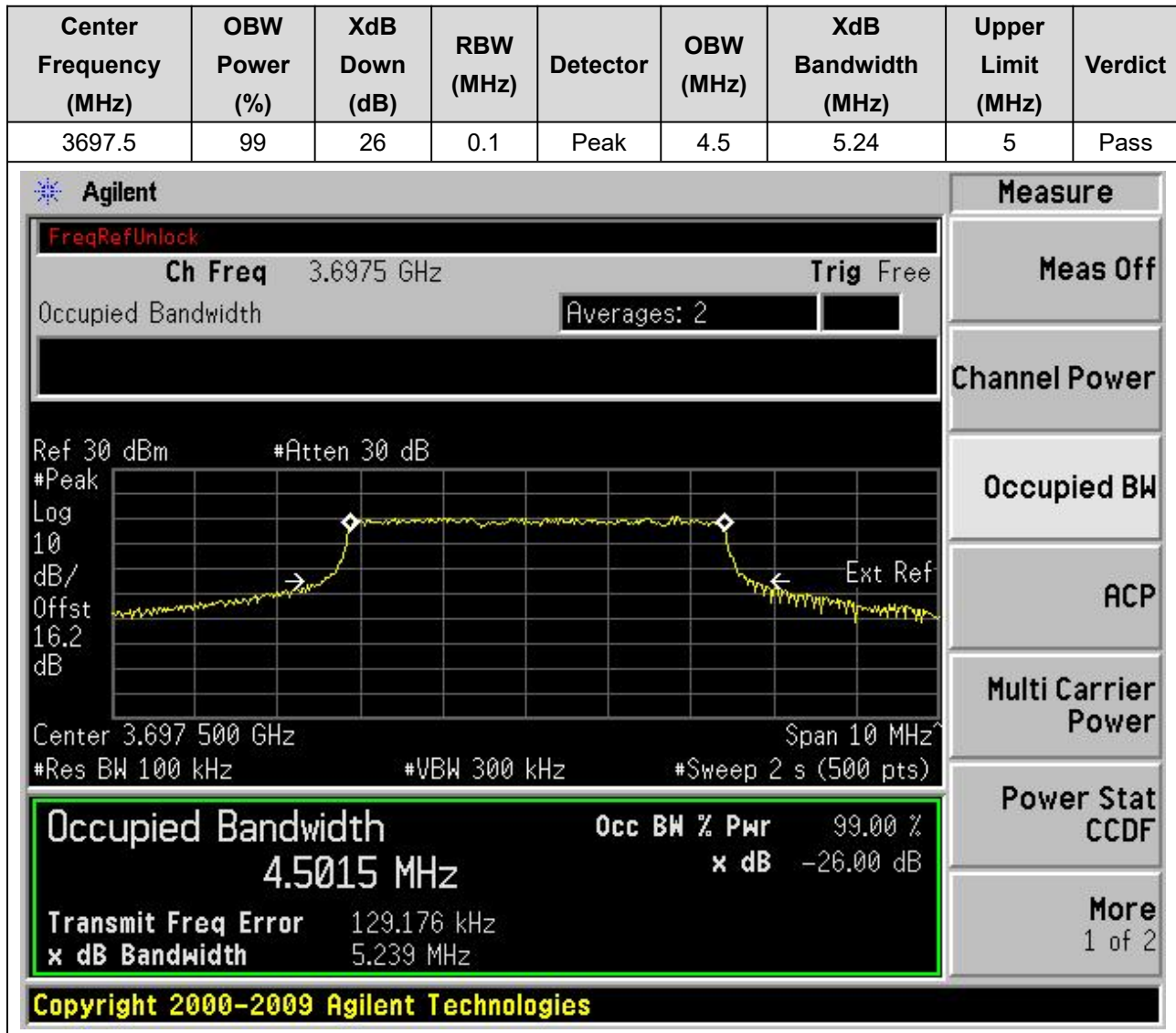
1.8 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)



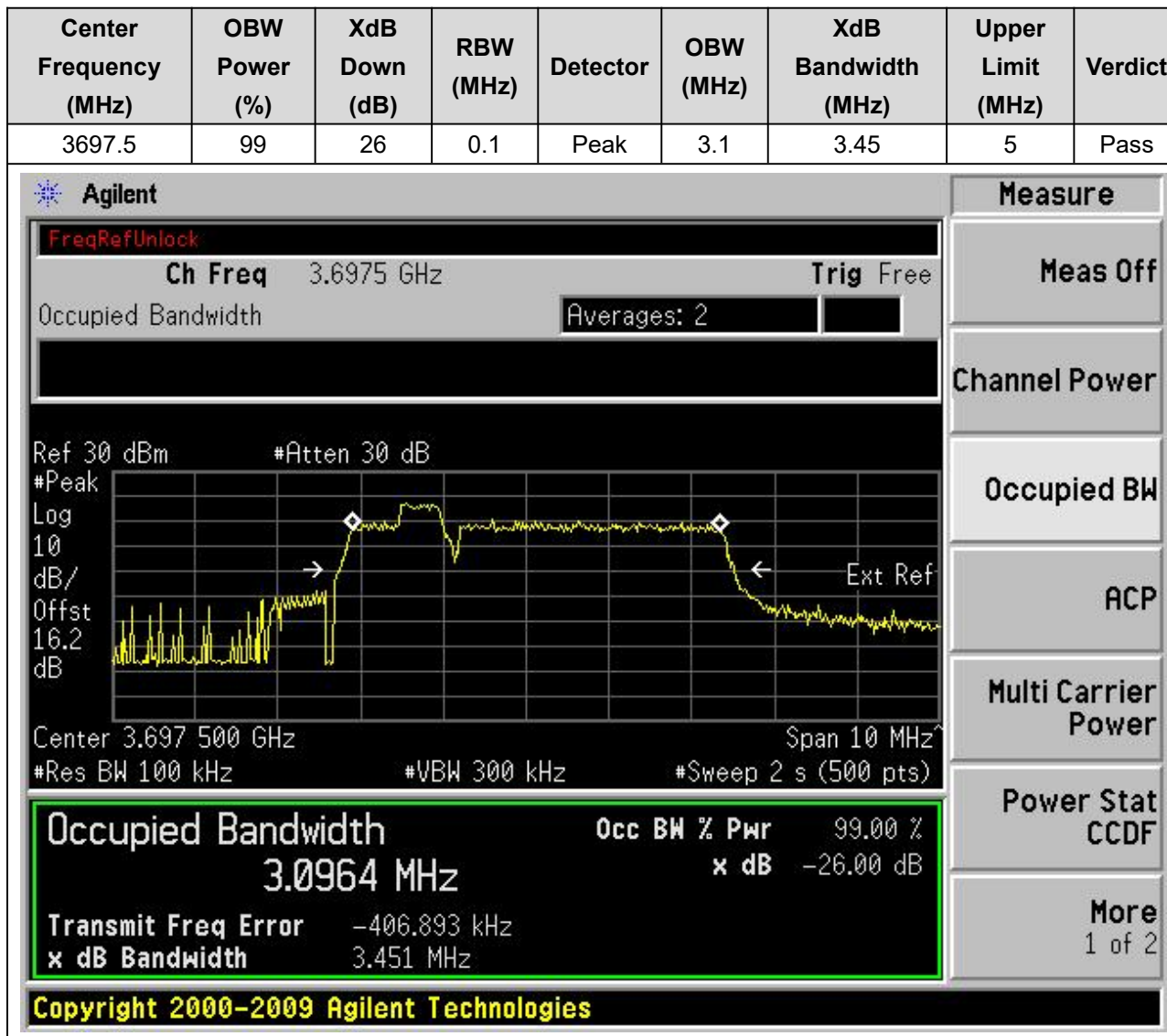
1.9 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56715, Bandwidth:5, Modulation:QPSK, RB Number:25, RB Position:0)



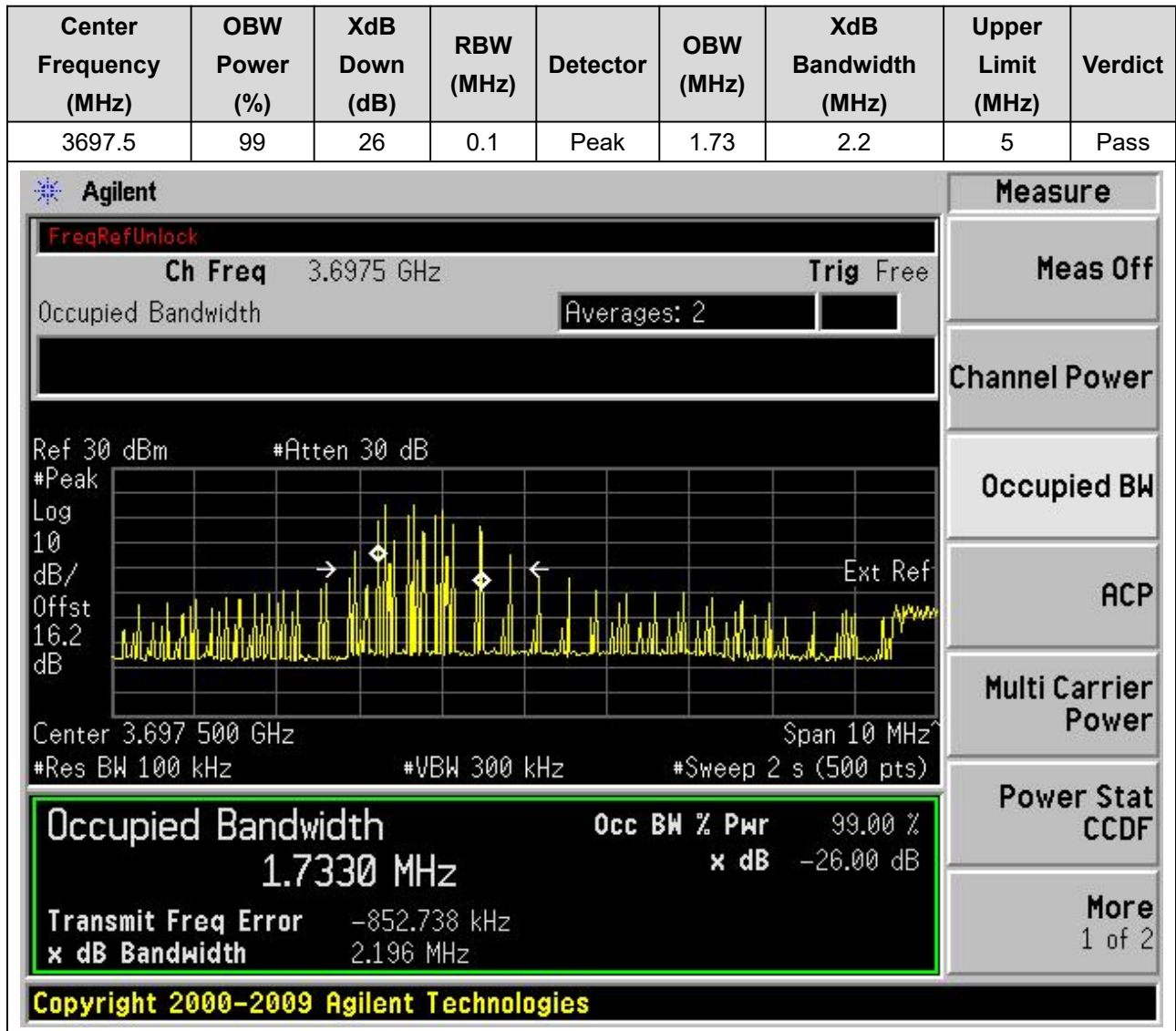
1.10 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56715, Bandwidth:5, Modulation:16QAM, RB Number:25, RB Position:0)



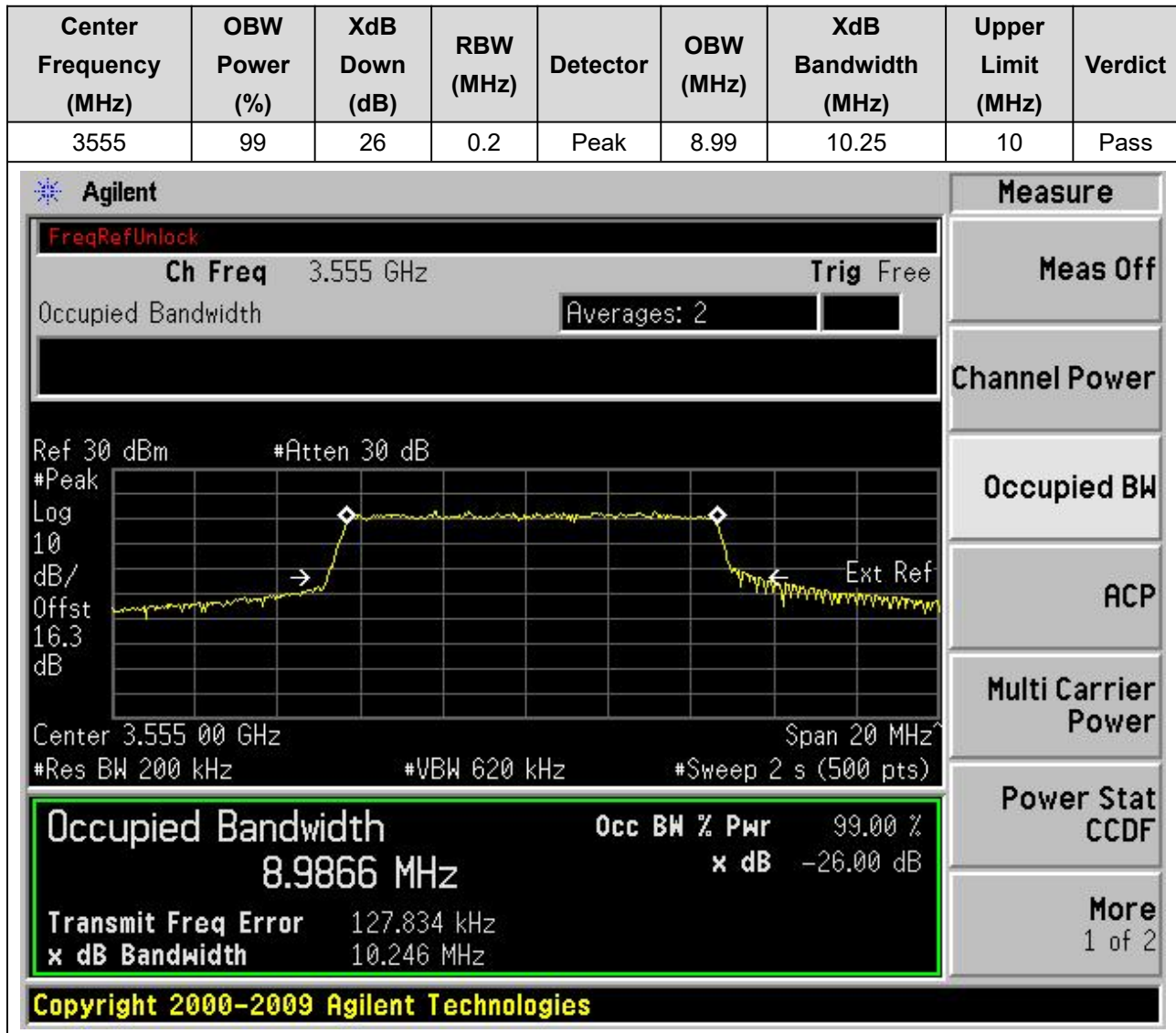
1.11 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56715, Bandwidth:5, Modulation:64QAM, RB Number:25, RB Position:0)



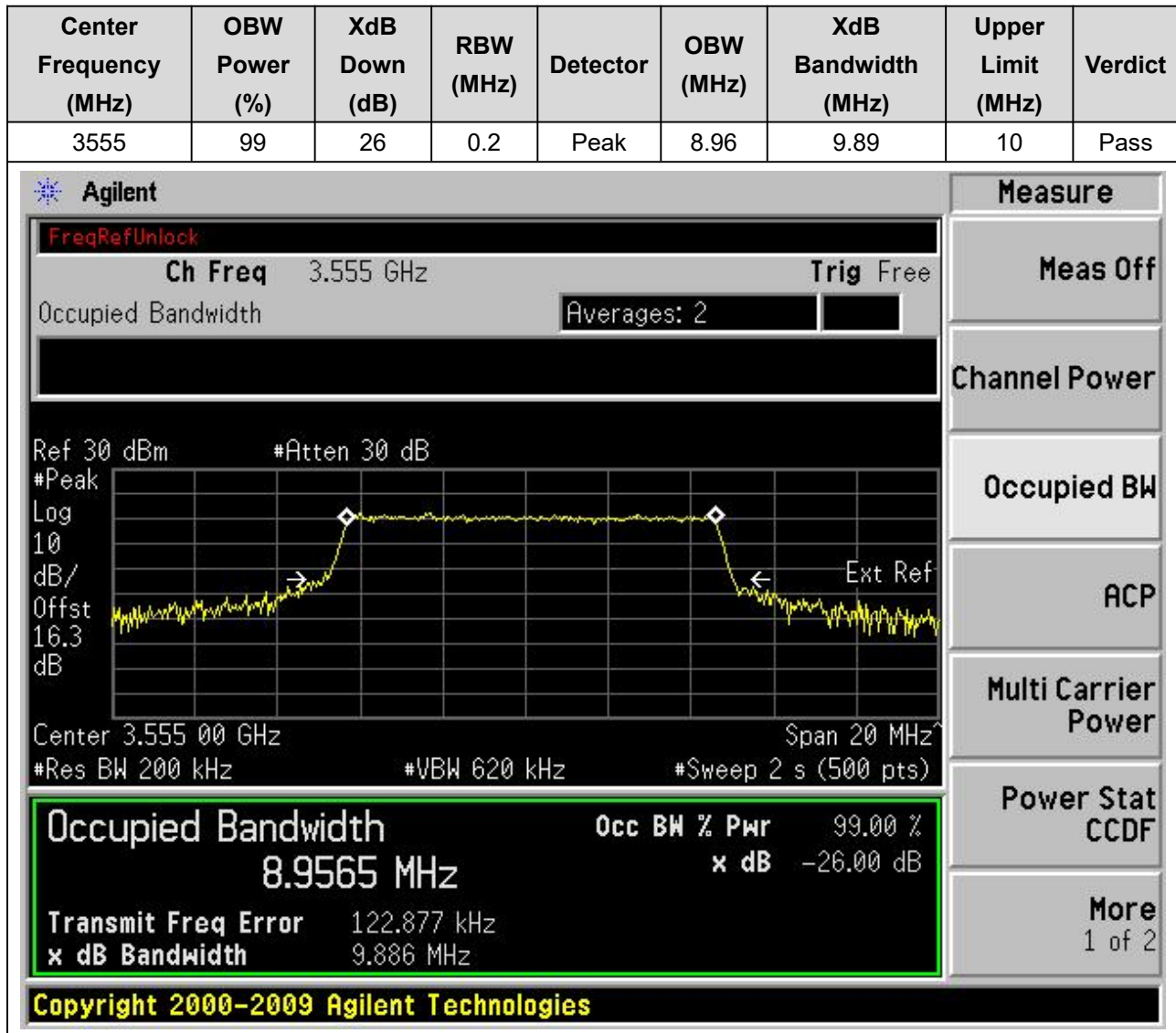
1.12 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56715, Bandwidth:5, Modulation:256QAM, RB Number:25, RB Position:0)



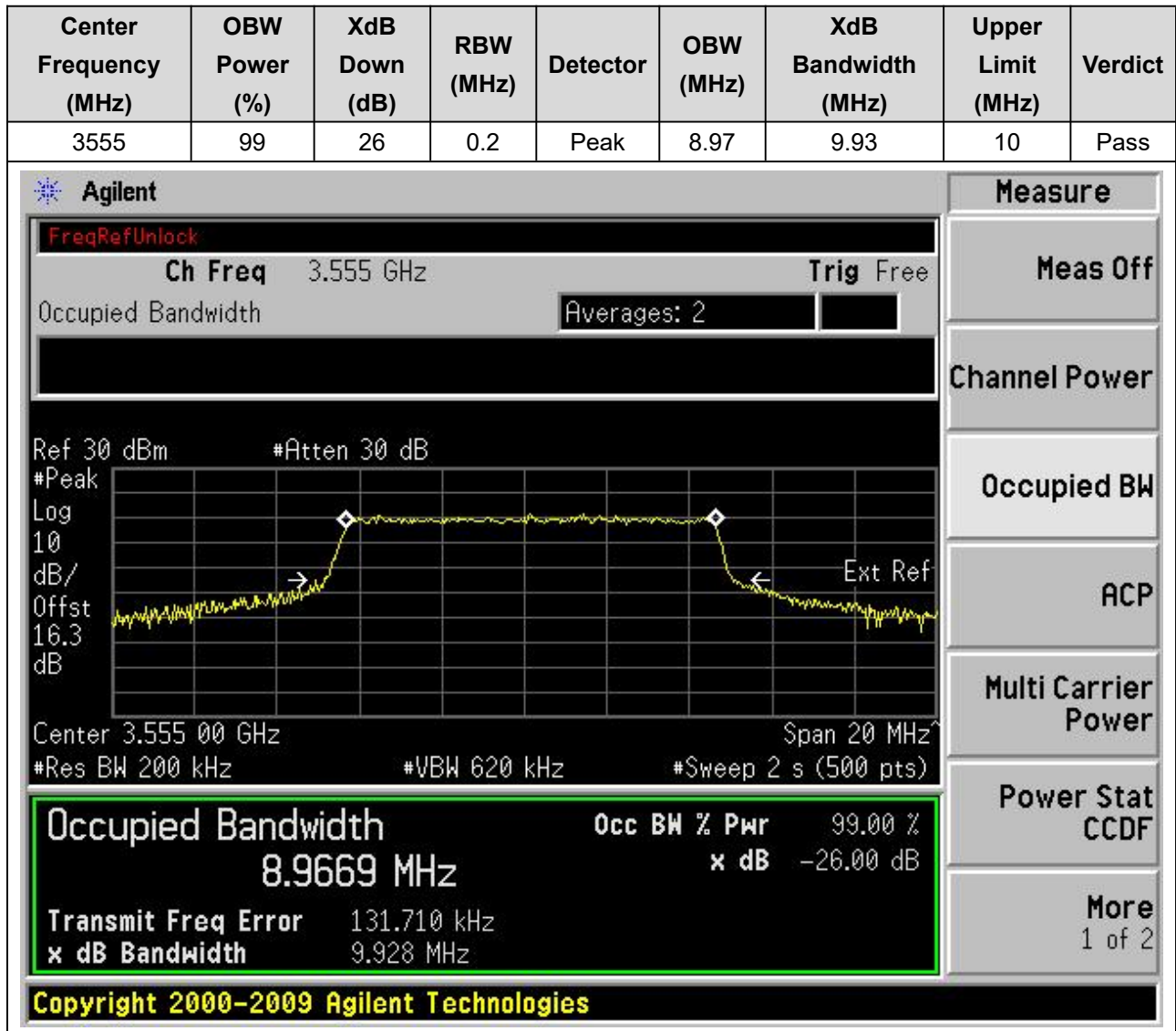
1.13 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55290, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



1.14 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55290, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

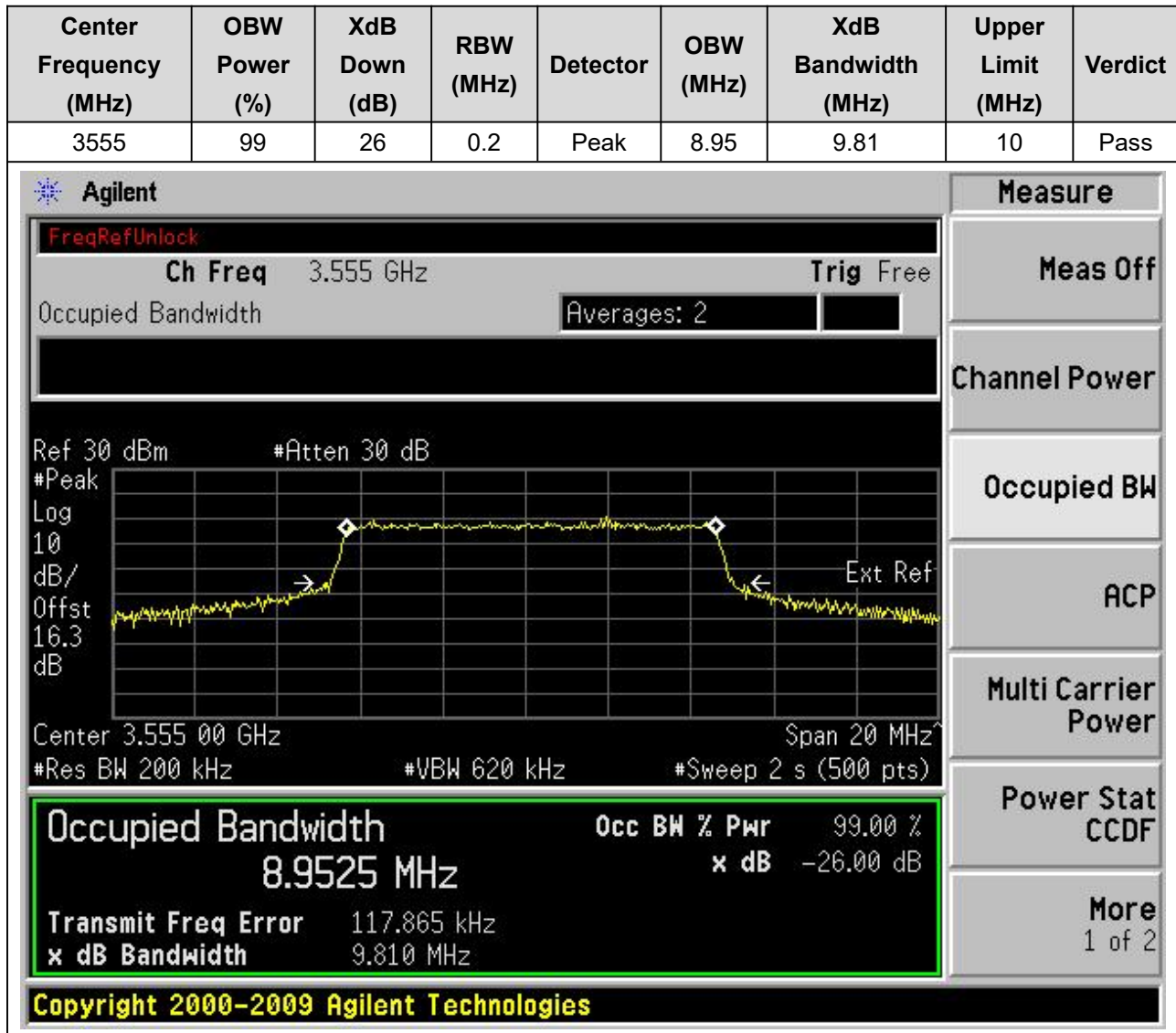


1.15 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55290, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

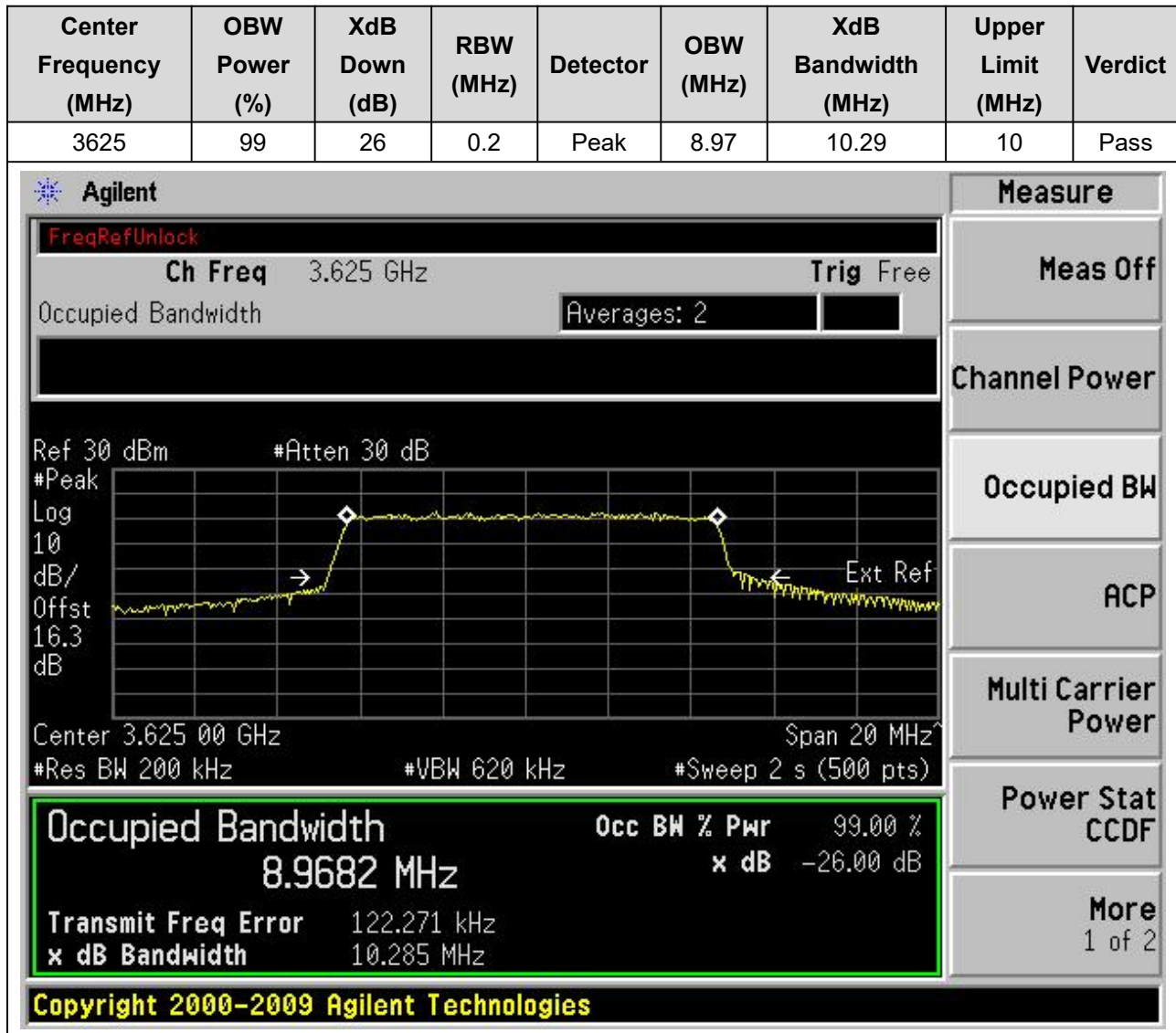


1.16 LTE Occupied Bandwidth_Part96(added

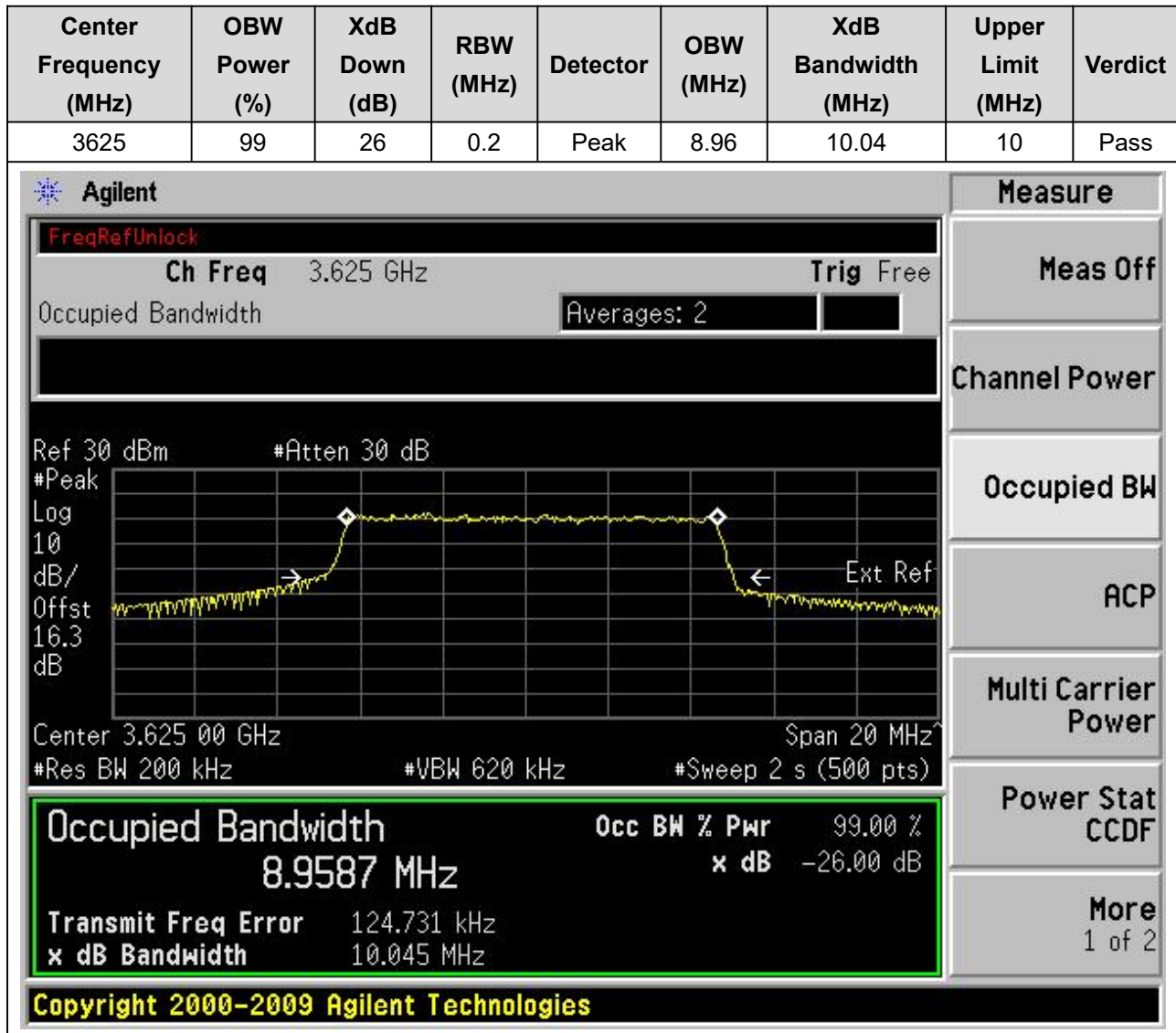
64QAM&256QAM)(NTNV)(Channel:55290, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)



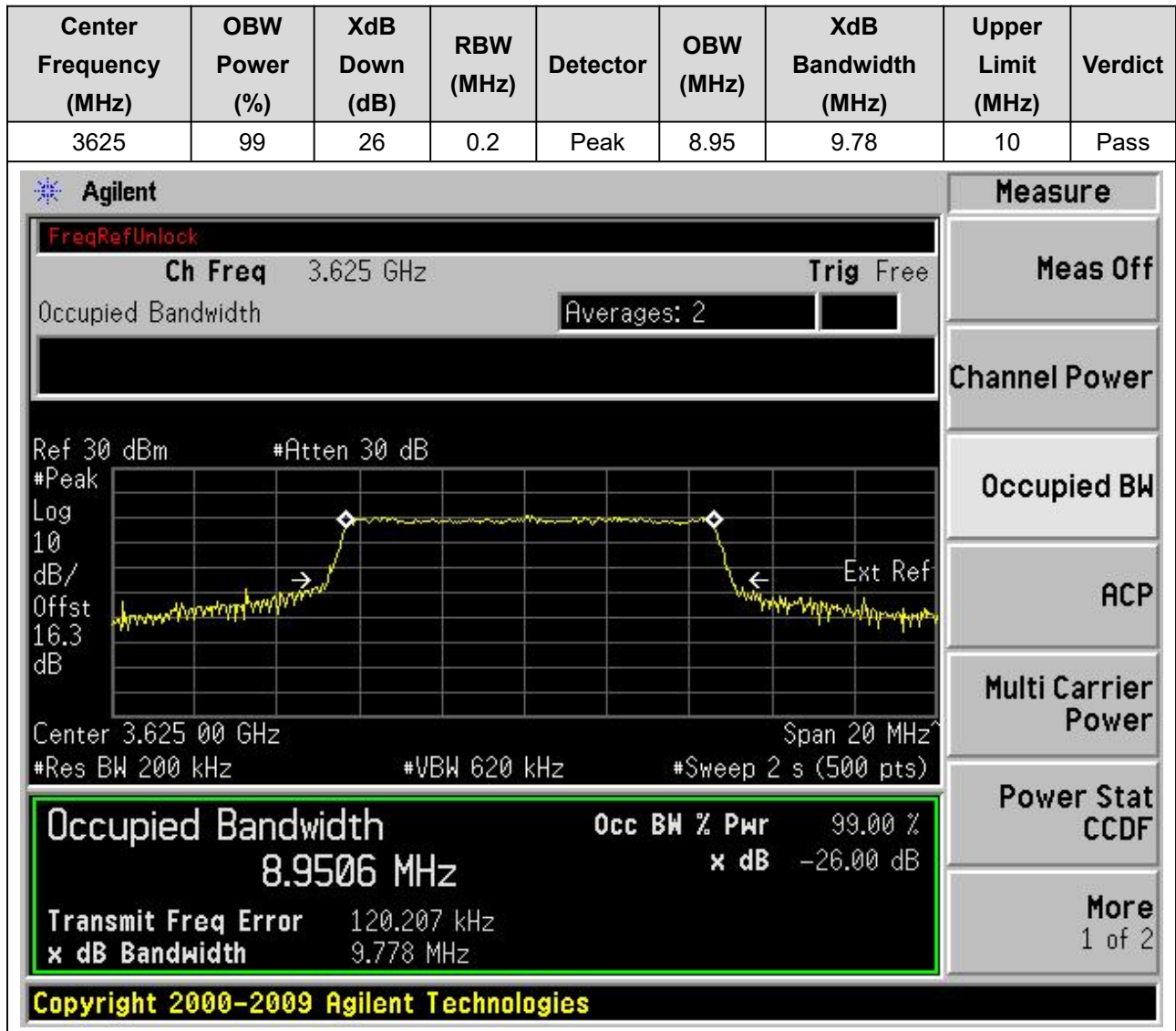
1.17 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



1.18 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:10, Modulation:16QAM, RB Number:50, RB Position:0)

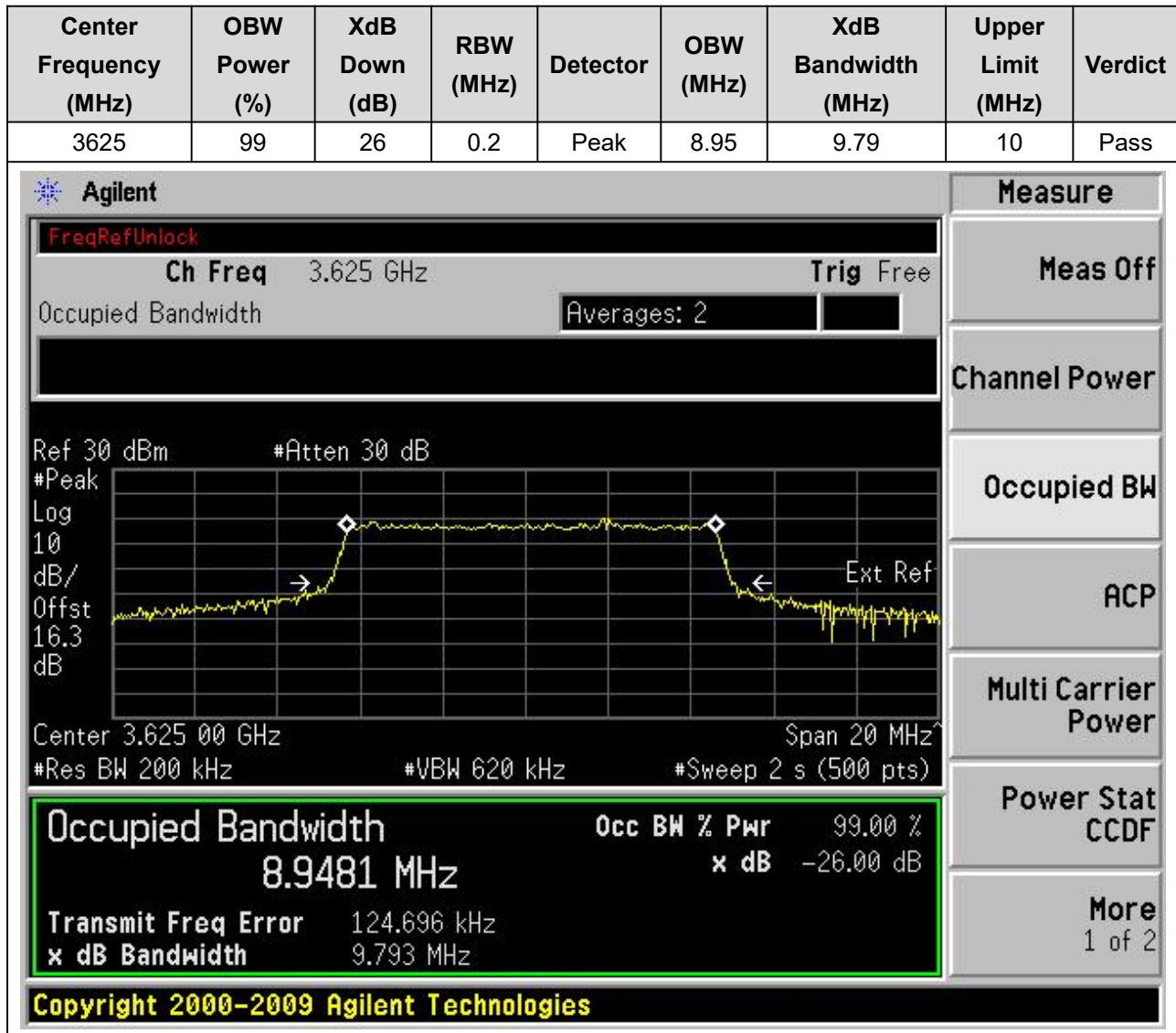


1.19 LTE Occupied Bandwidth_Part96(added
64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:10, Modulation:64QAM, RB
Number:50, RB Position:0)

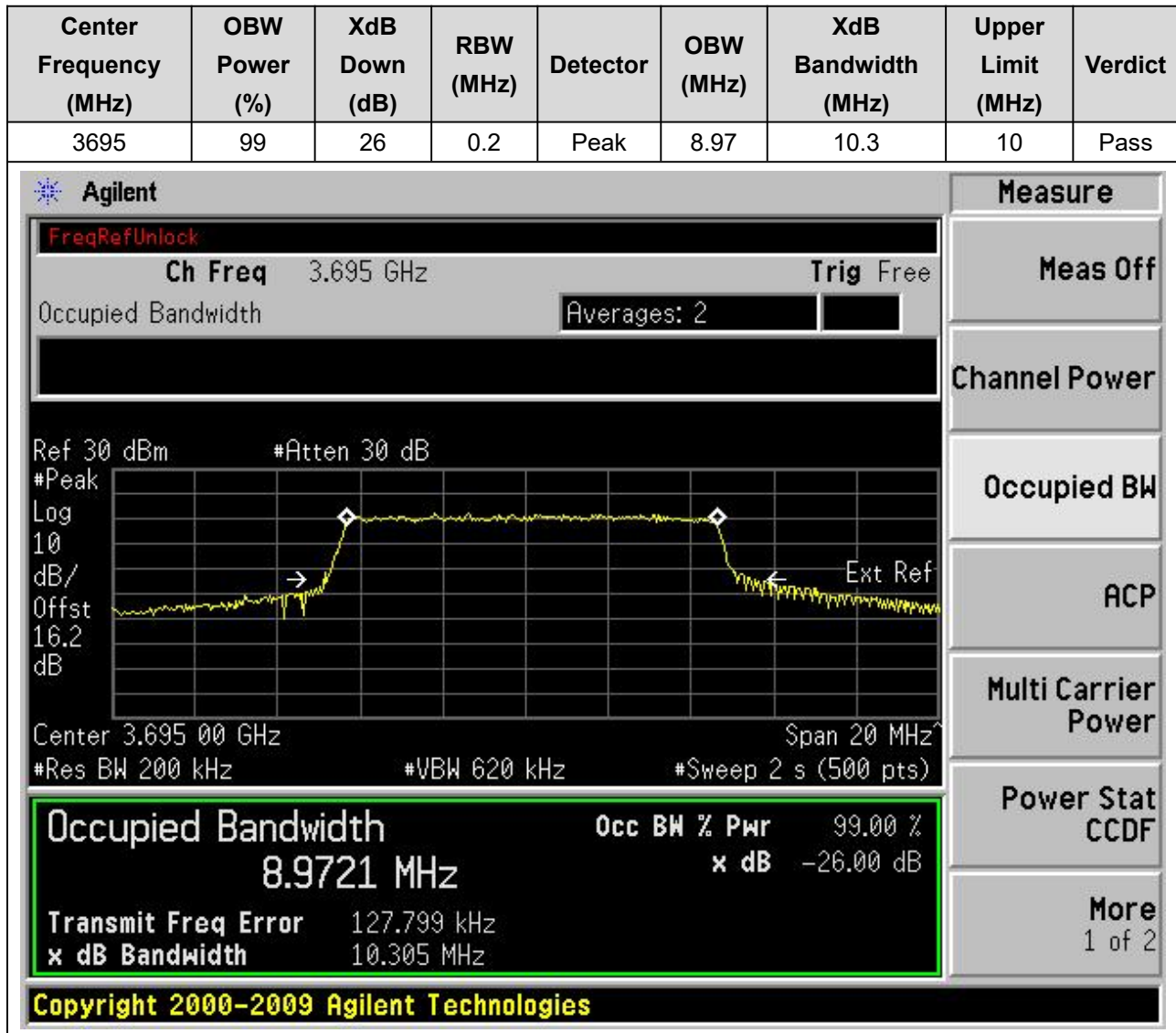


1.20 LTE Occupied Bandwidth_Part96(added

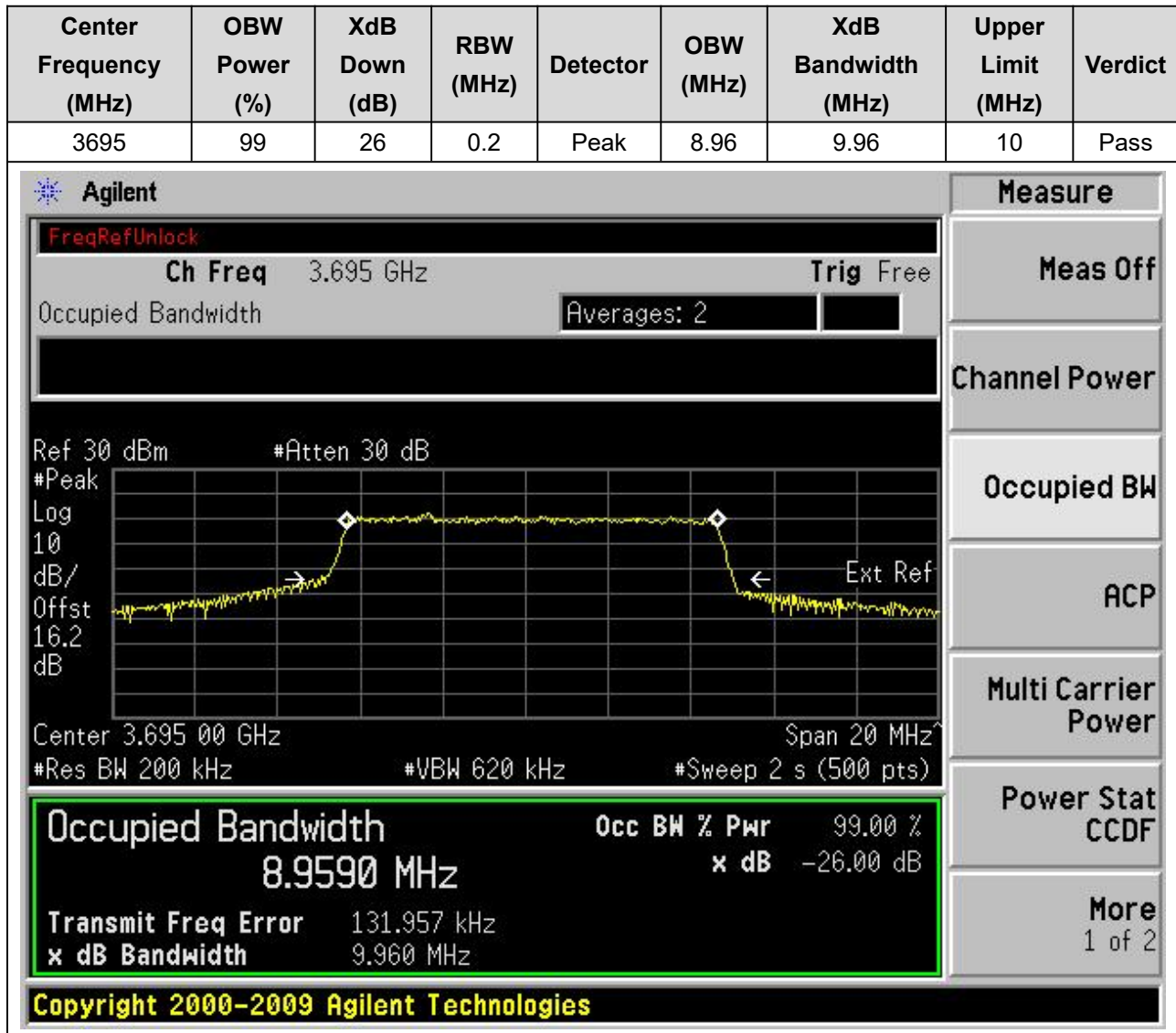
64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)



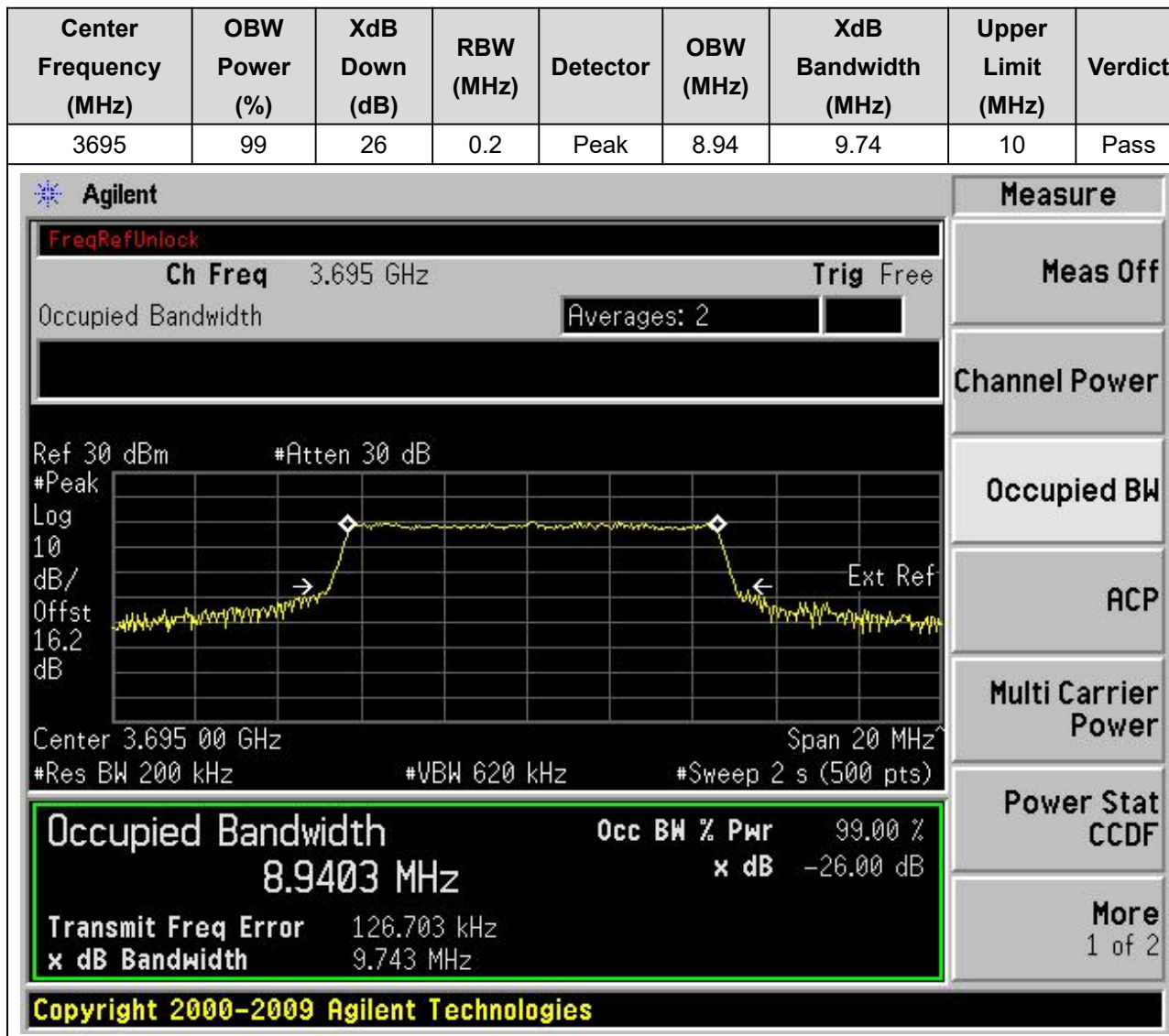
1.21 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56690, Bandwidth:10, Modulation:QPSK, RB Number:50, RB Position:0)



1.22 LTE Occupied Bandwidth_Part96(added
64QAM&256QAM)(NTNV)(Channel:56690, Bandwidth:10, Modulation:16QAM, RB
Number:50, RB Position:0)

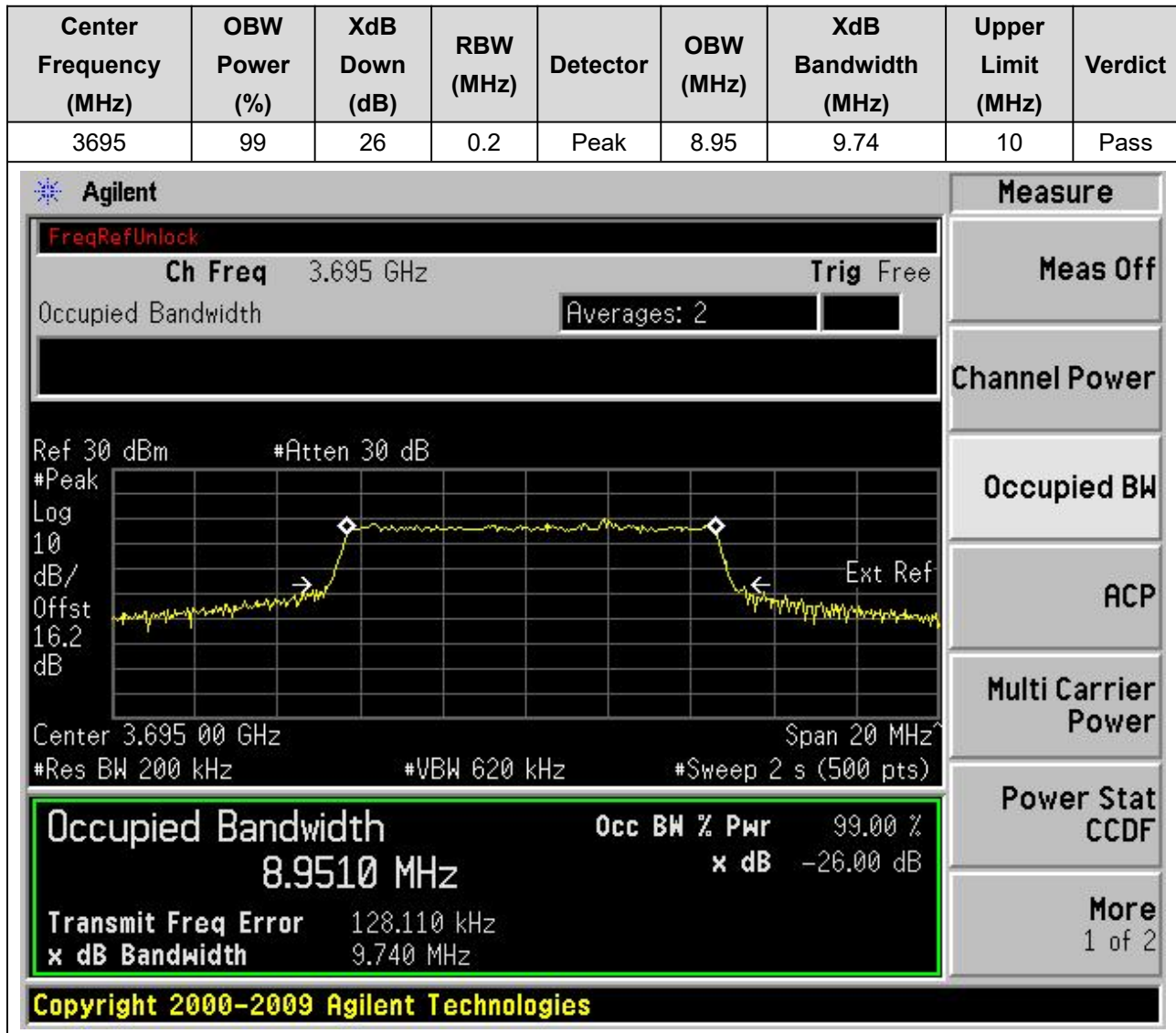


1.23 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56690, Bandwidth:10, Modulation:64QAM, RB Number:50, RB Position:0)

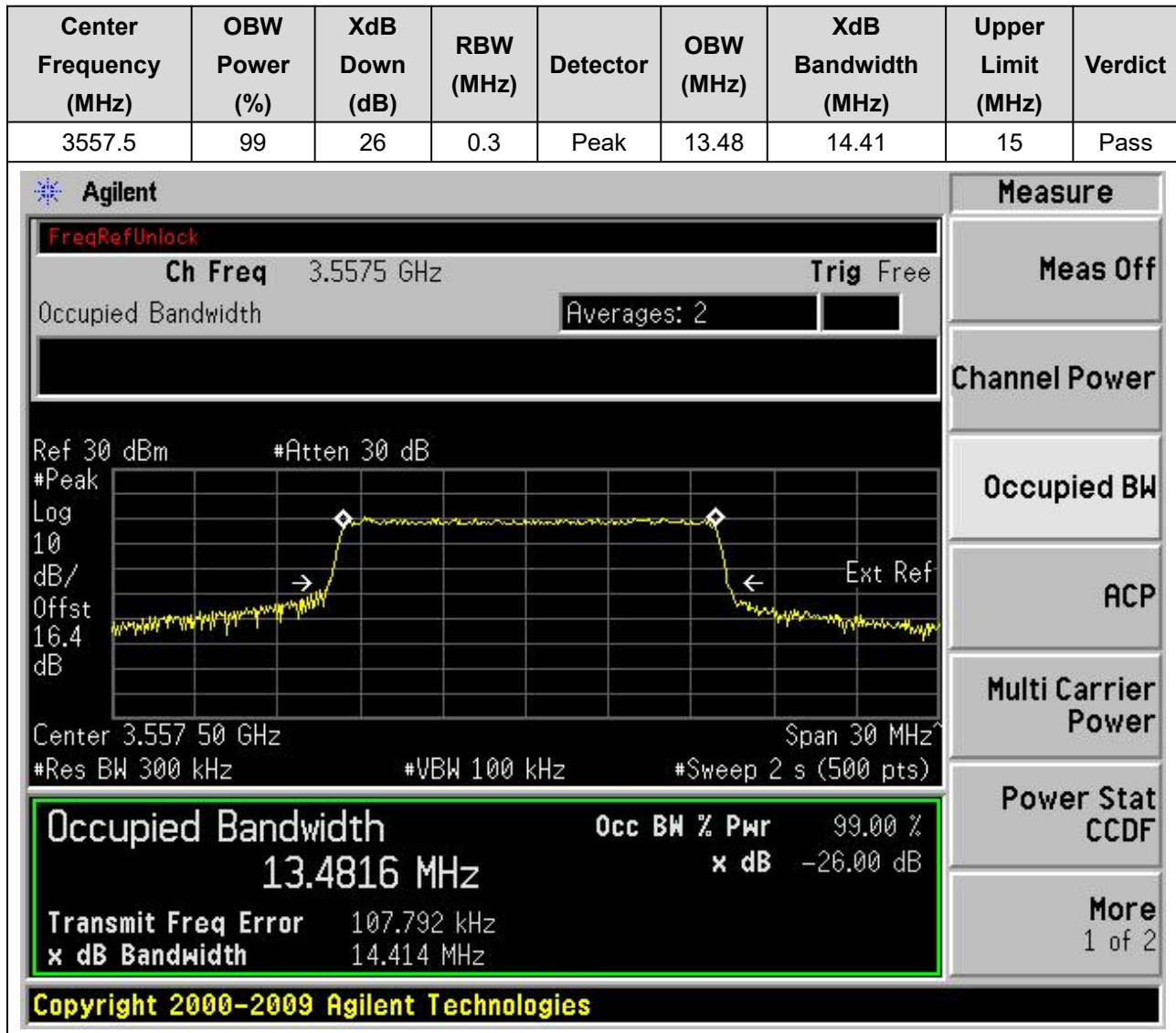


1.24 LTE Occupied Bandwidth_Part96(added

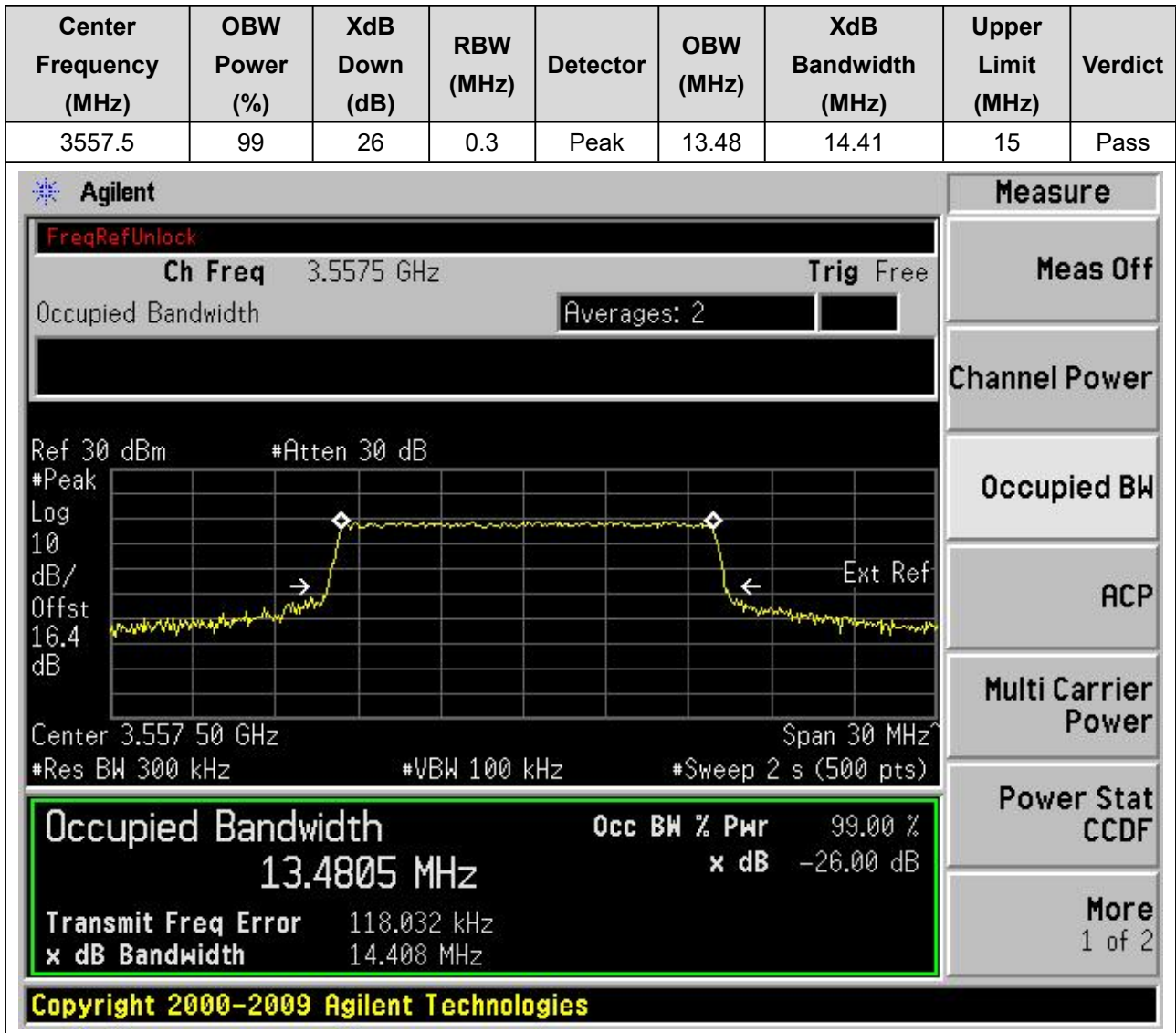
64QAM&256QAM)(NTNV)(Channel:56690, Bandwidth:10, Modulation:256QAM, RB Number:50, RB Position:0)



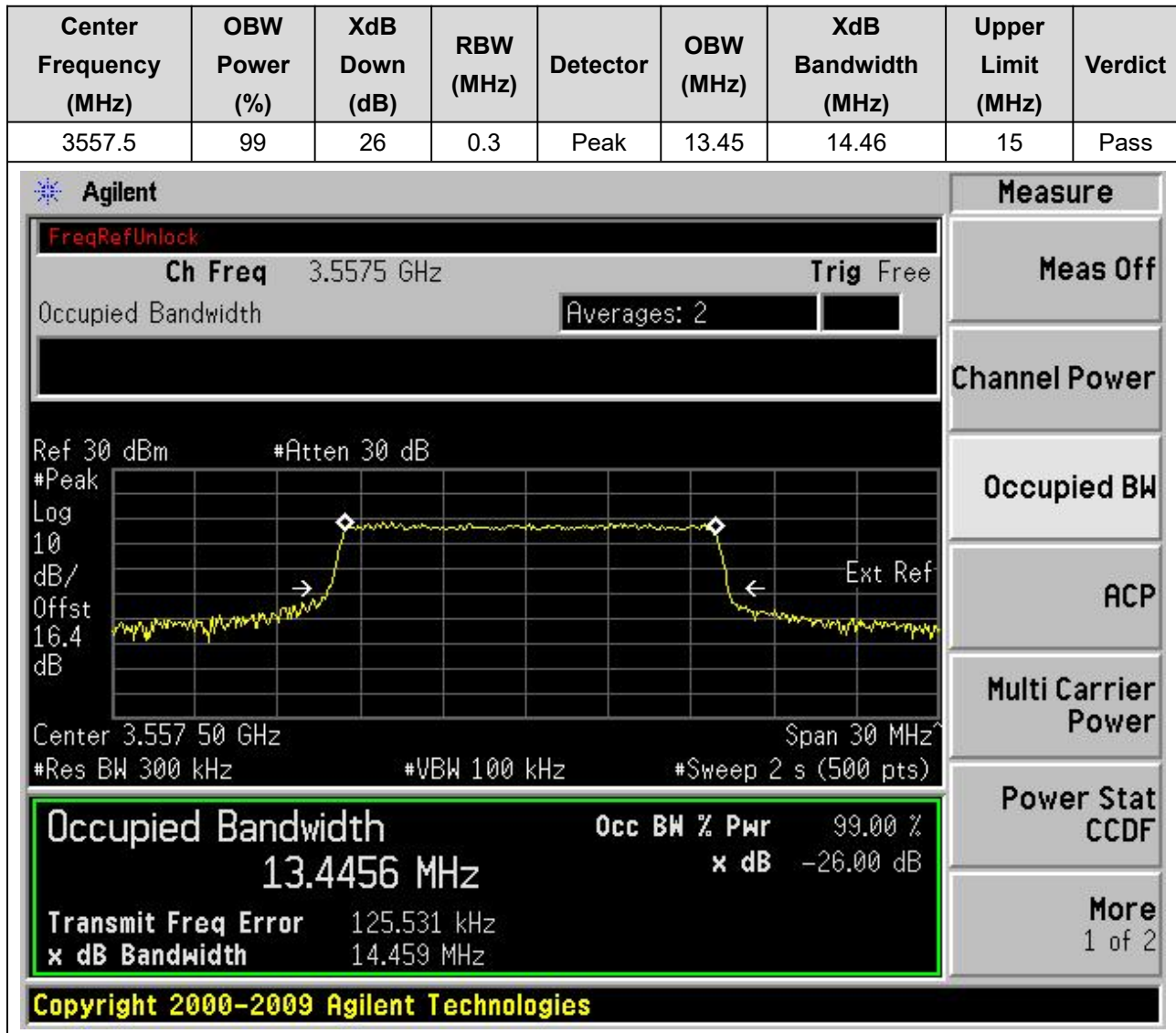
1.25 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55315, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)



1.26 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55315, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

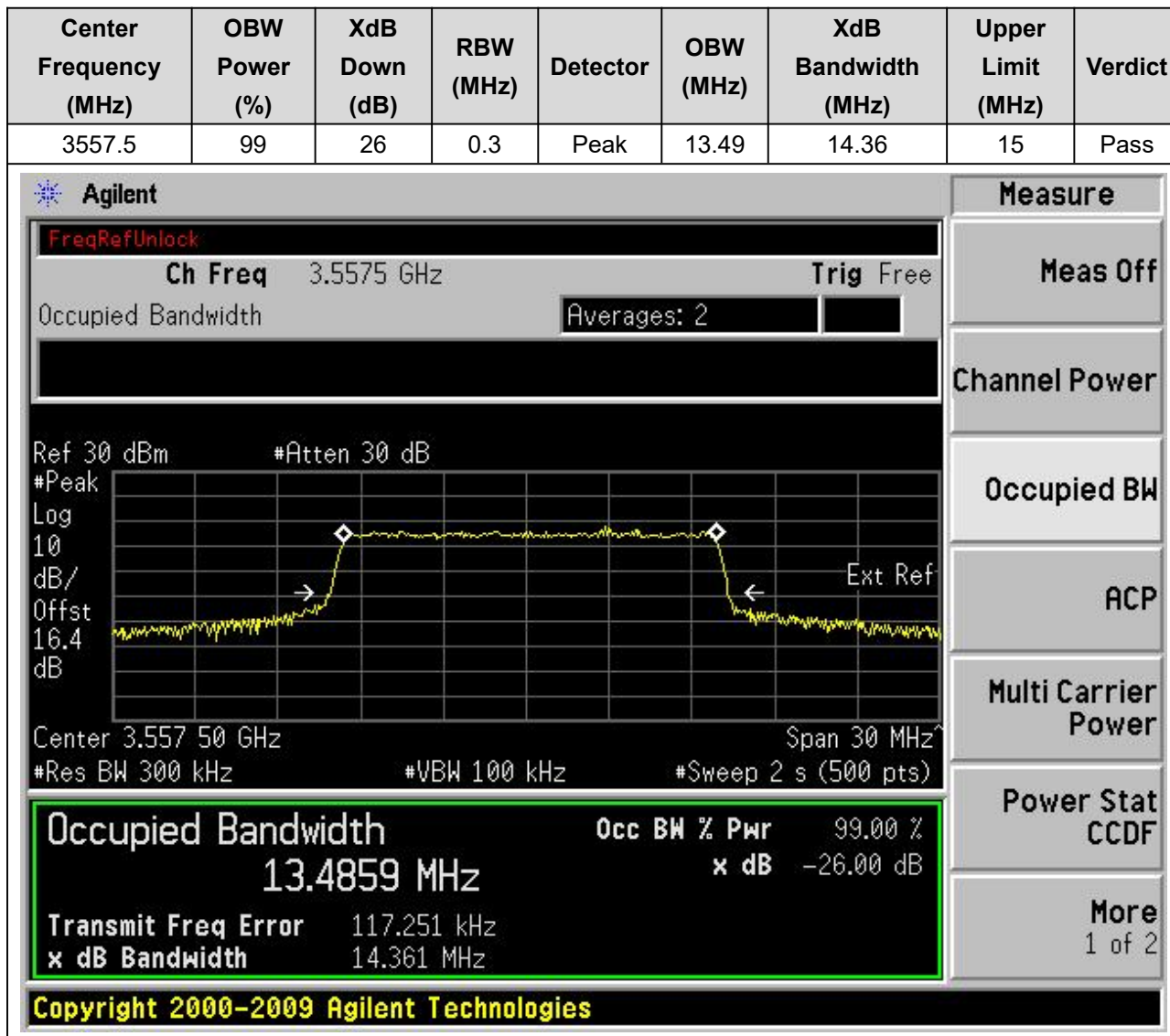


1.27 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55315, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

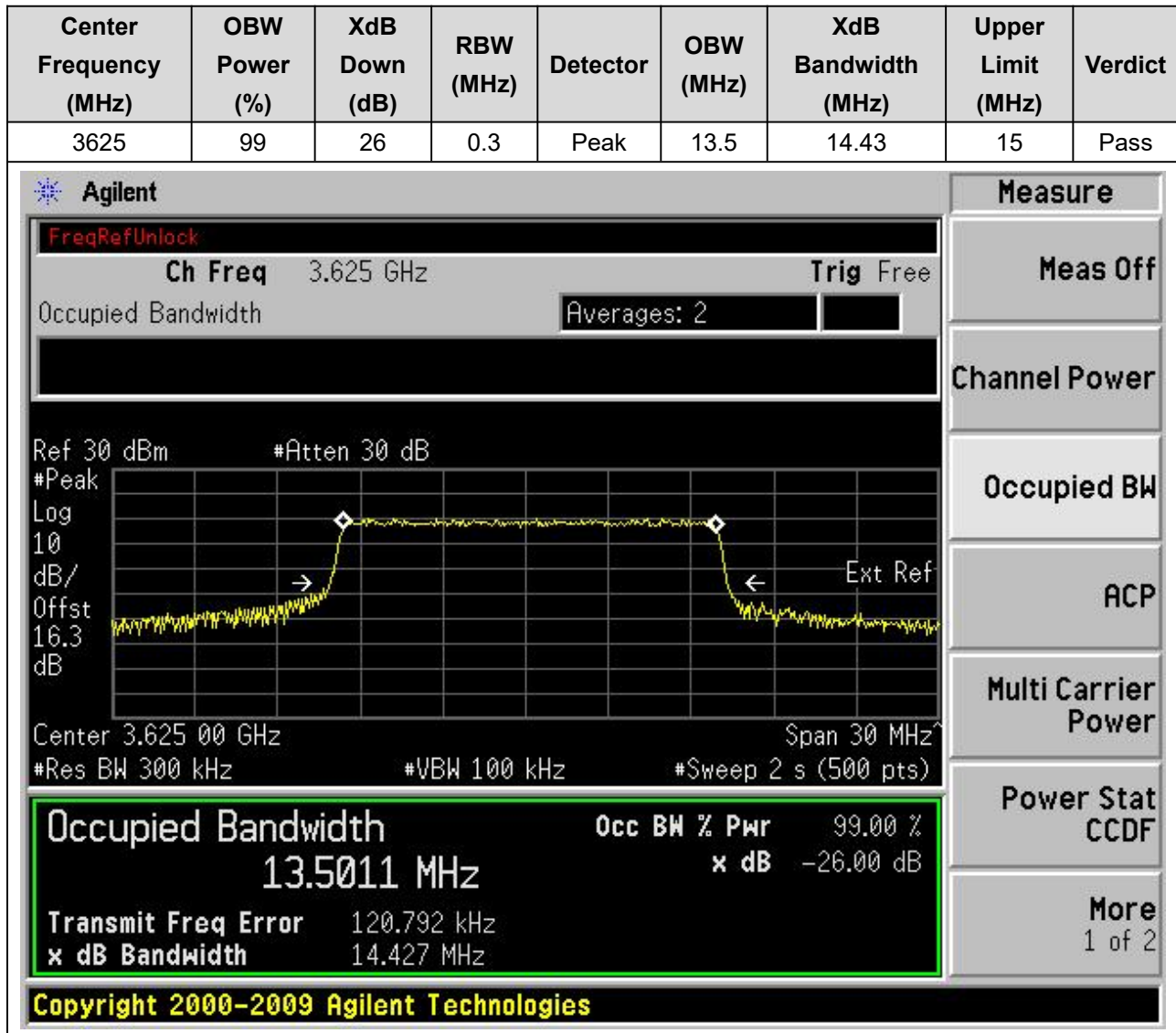


1.28 LTE Occupied Bandwidth_Part96(added

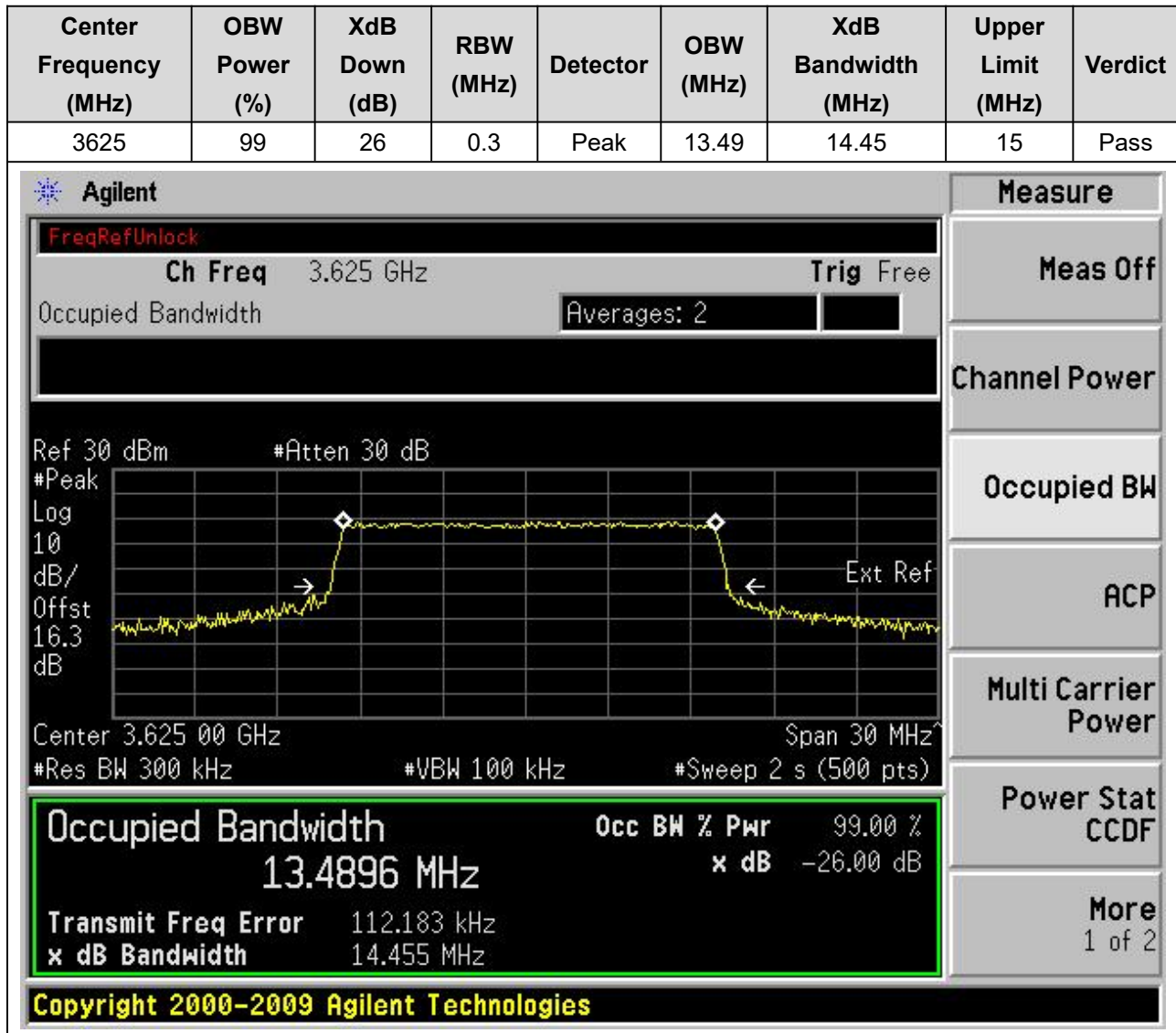
64QAM&256QAM)(NTNV)(Channel:55315, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)



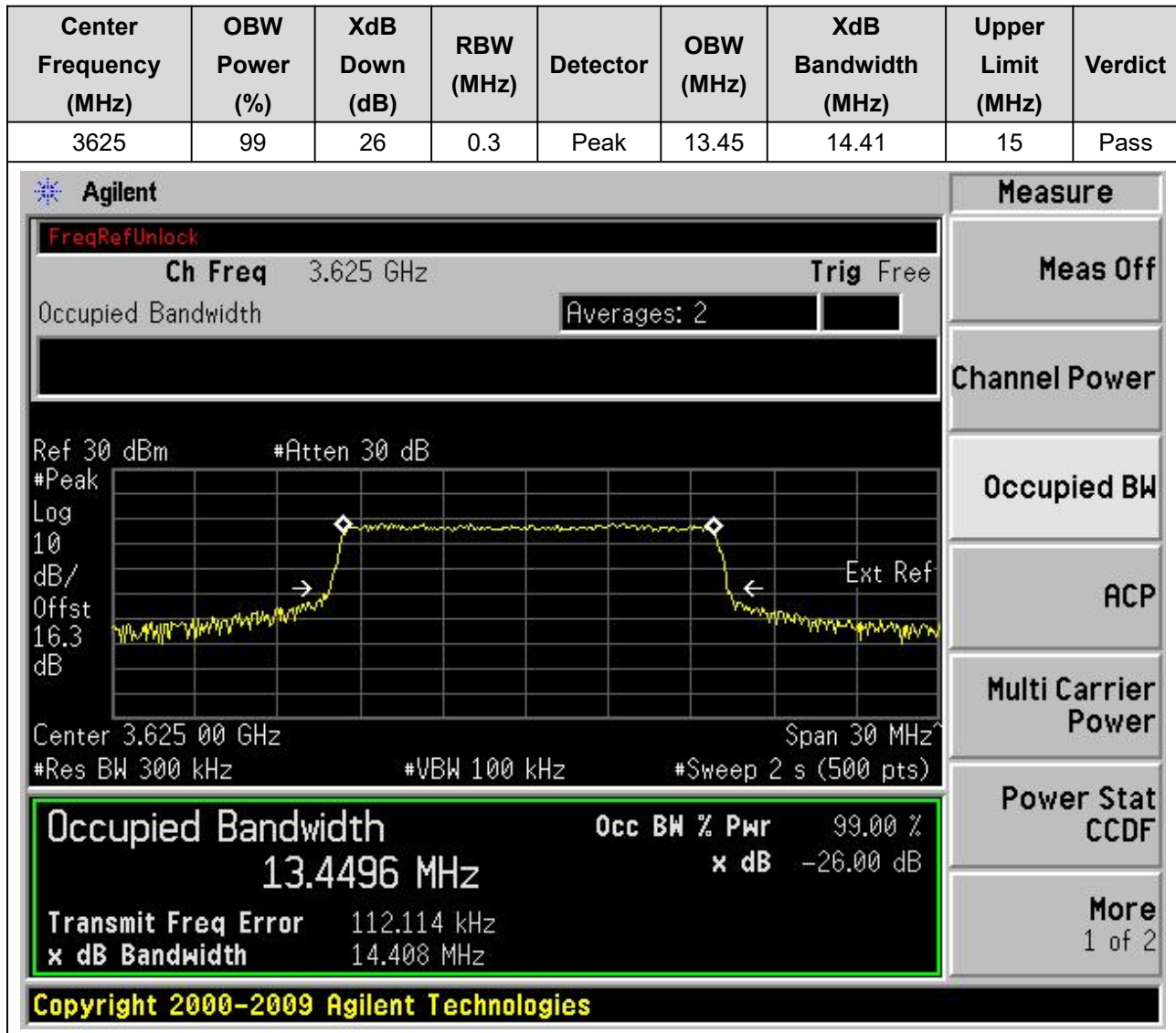
1.29 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)



1.30 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)

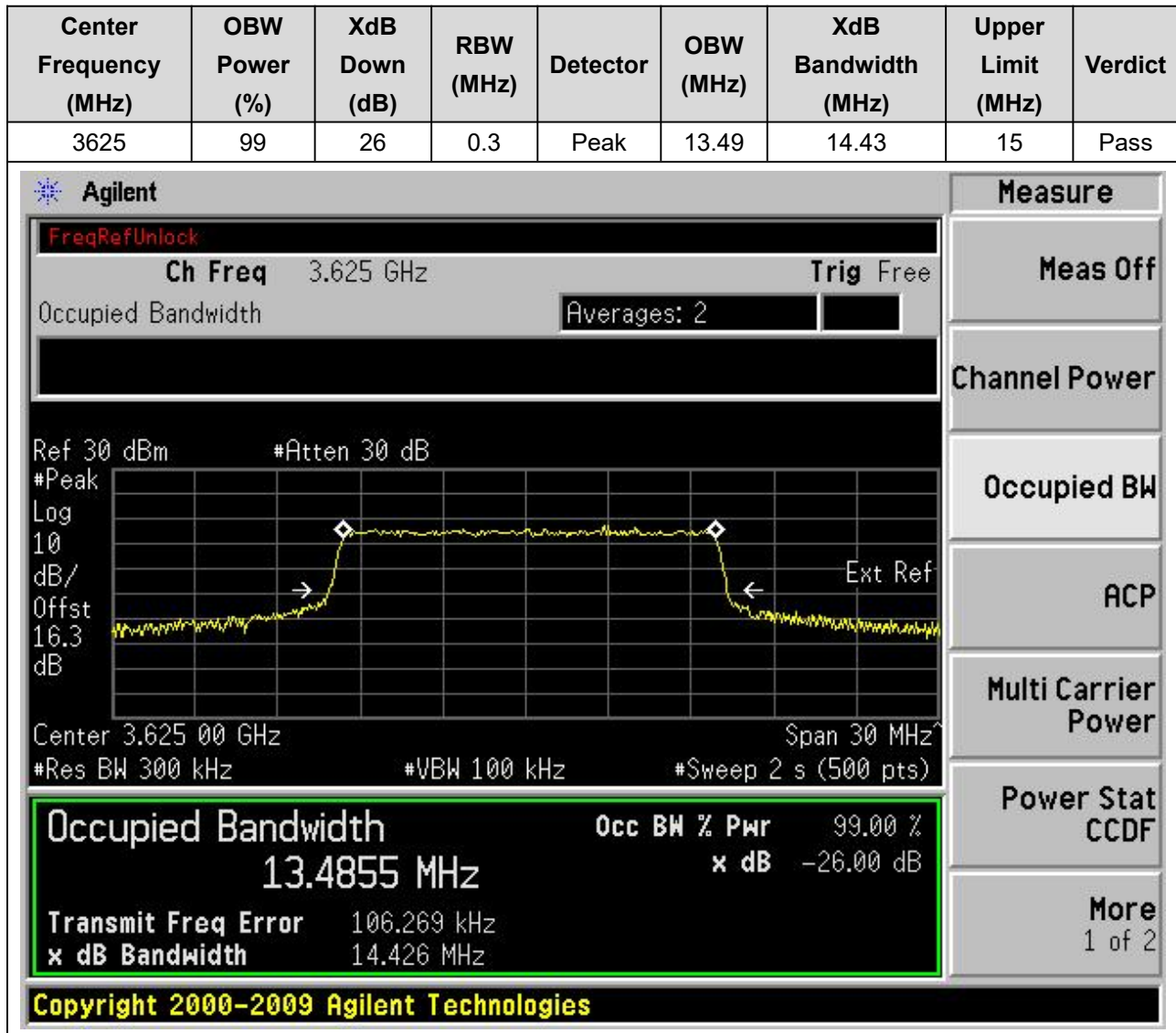


1.31 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

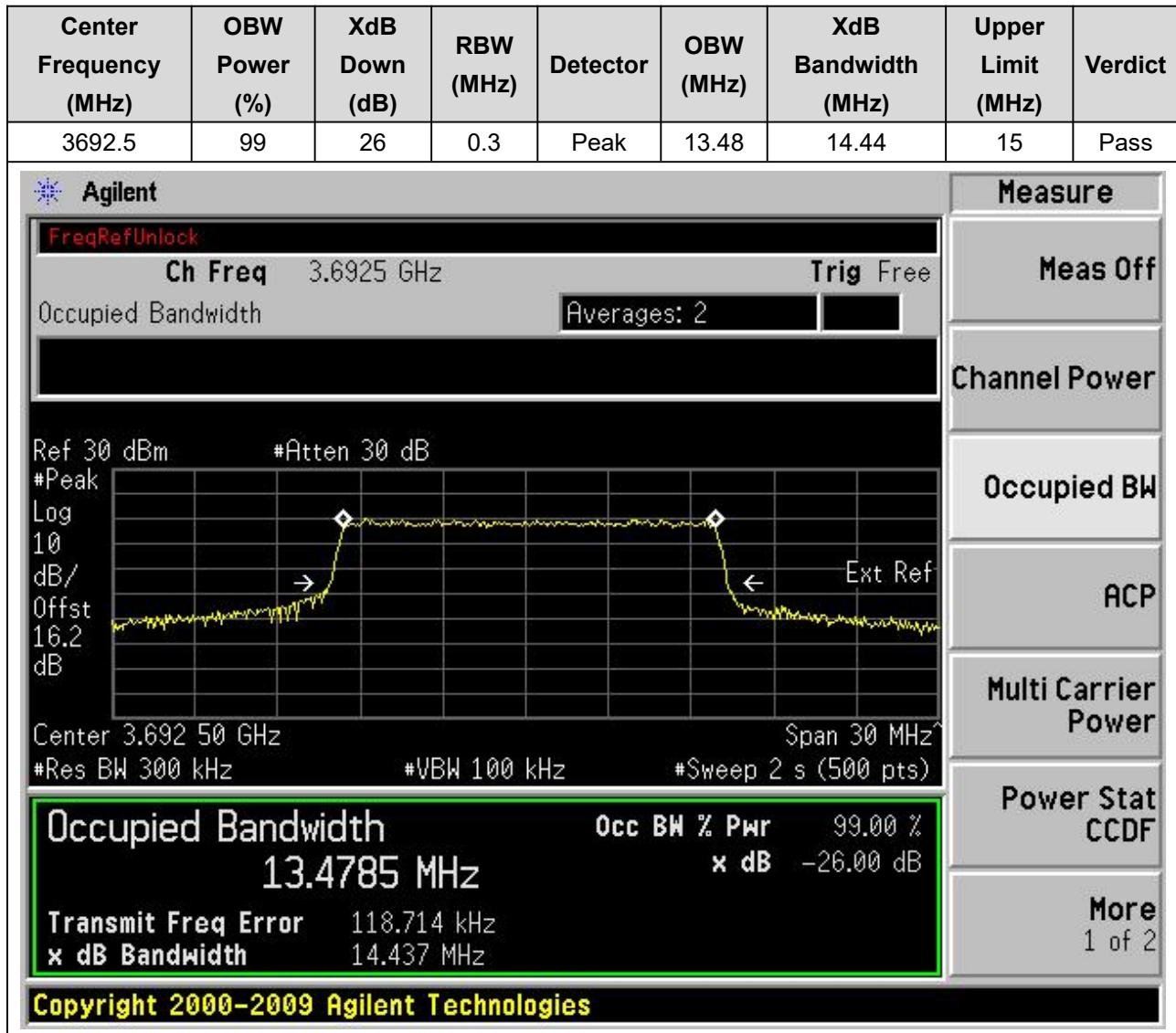


1.32 LTE Occupied Bandwidth_Part96(added

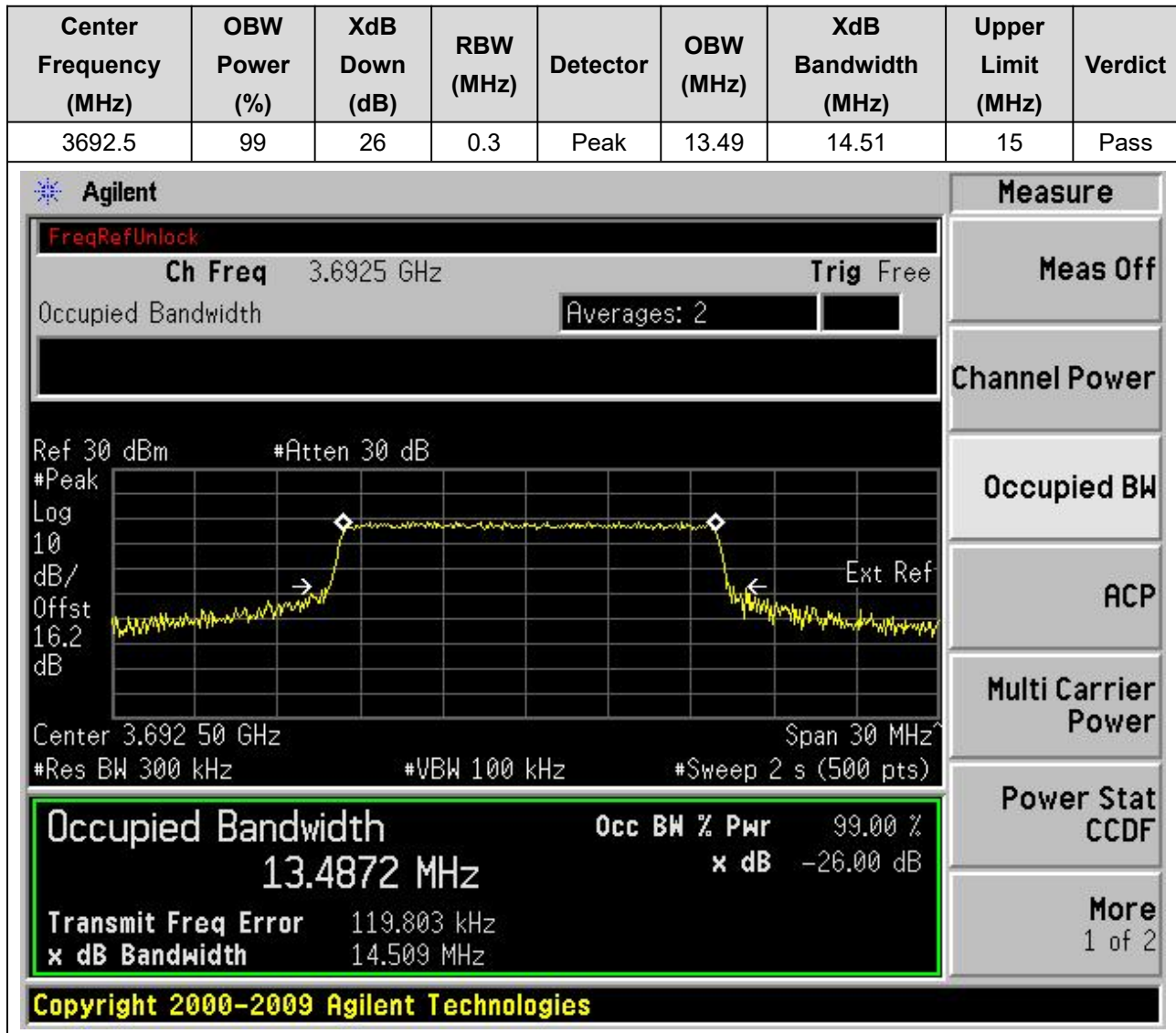
64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)



1.33 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56665, Bandwidth:15, Modulation:QPSK, RB Number:75, RB Position:0)

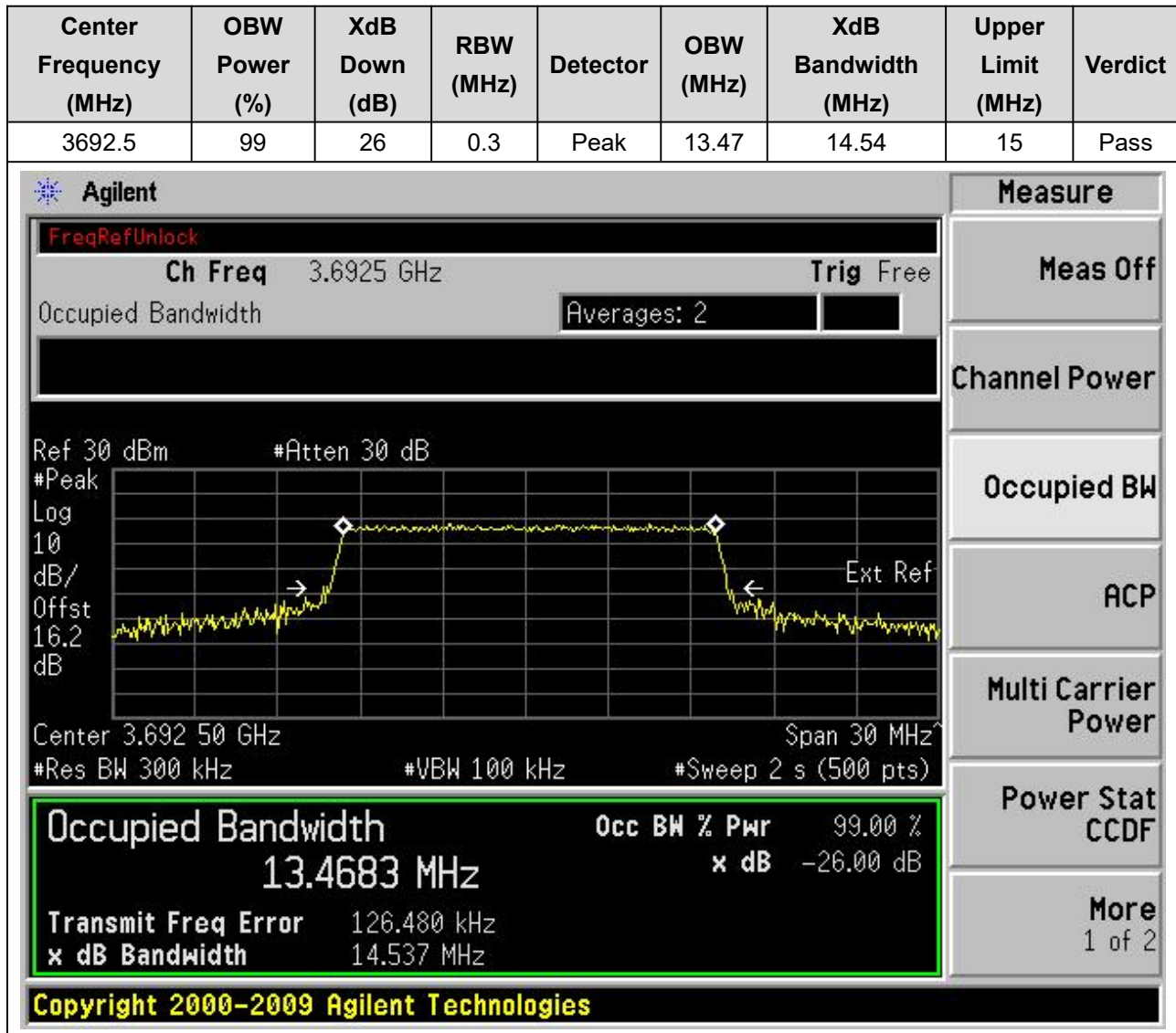


1.34 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56665, Bandwidth:15, Modulation:16QAM, RB Number:75, RB Position:0)



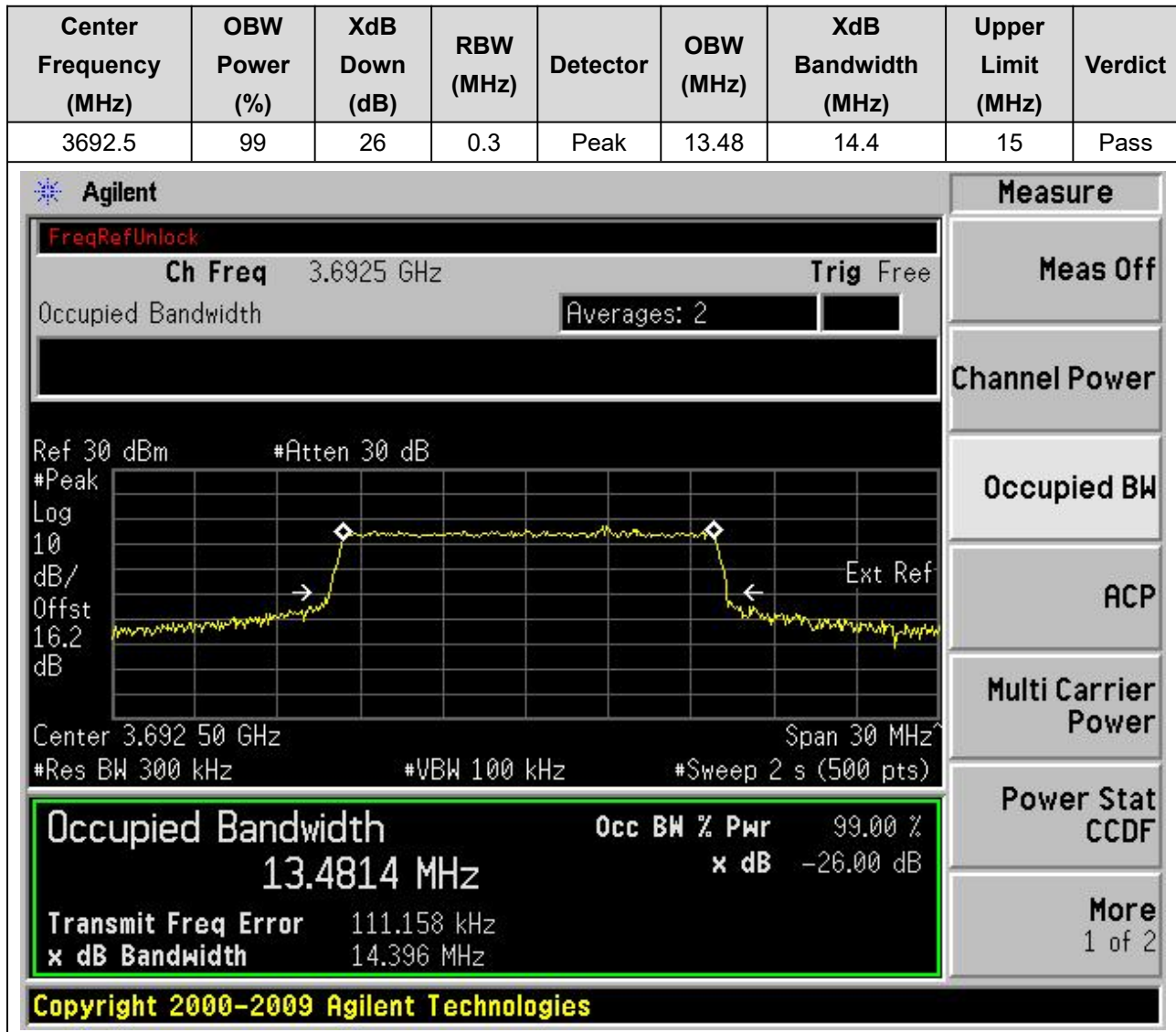
1.35 LTE Occupied Bandwidth_Part96(added

64QAM&256QAM)(NTNV)(Channel:56665, Bandwidth:15, Modulation:64QAM, RB Number:75, RB Position:0)

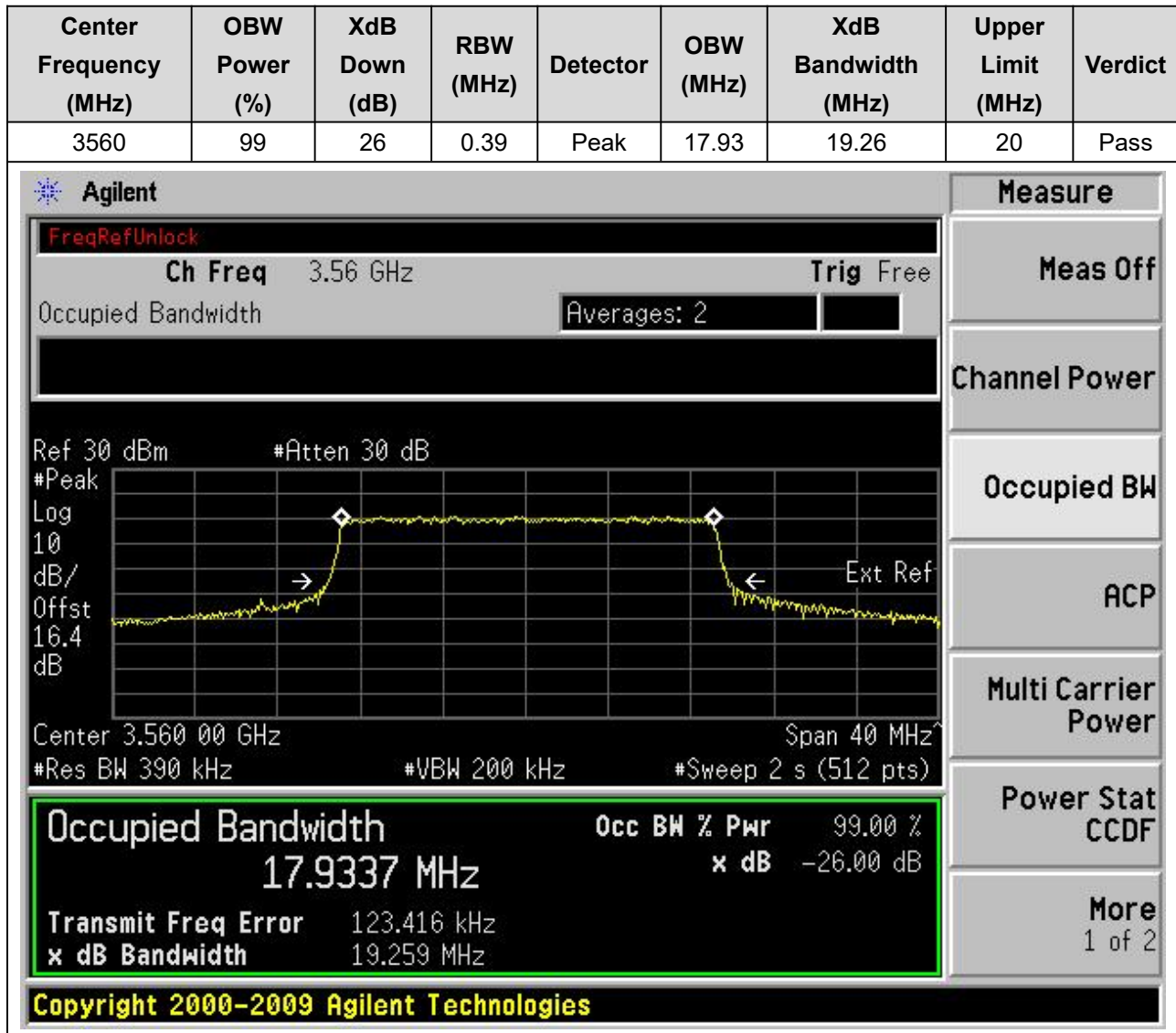


1.36 LTE Occupied Bandwidth_Part96(added

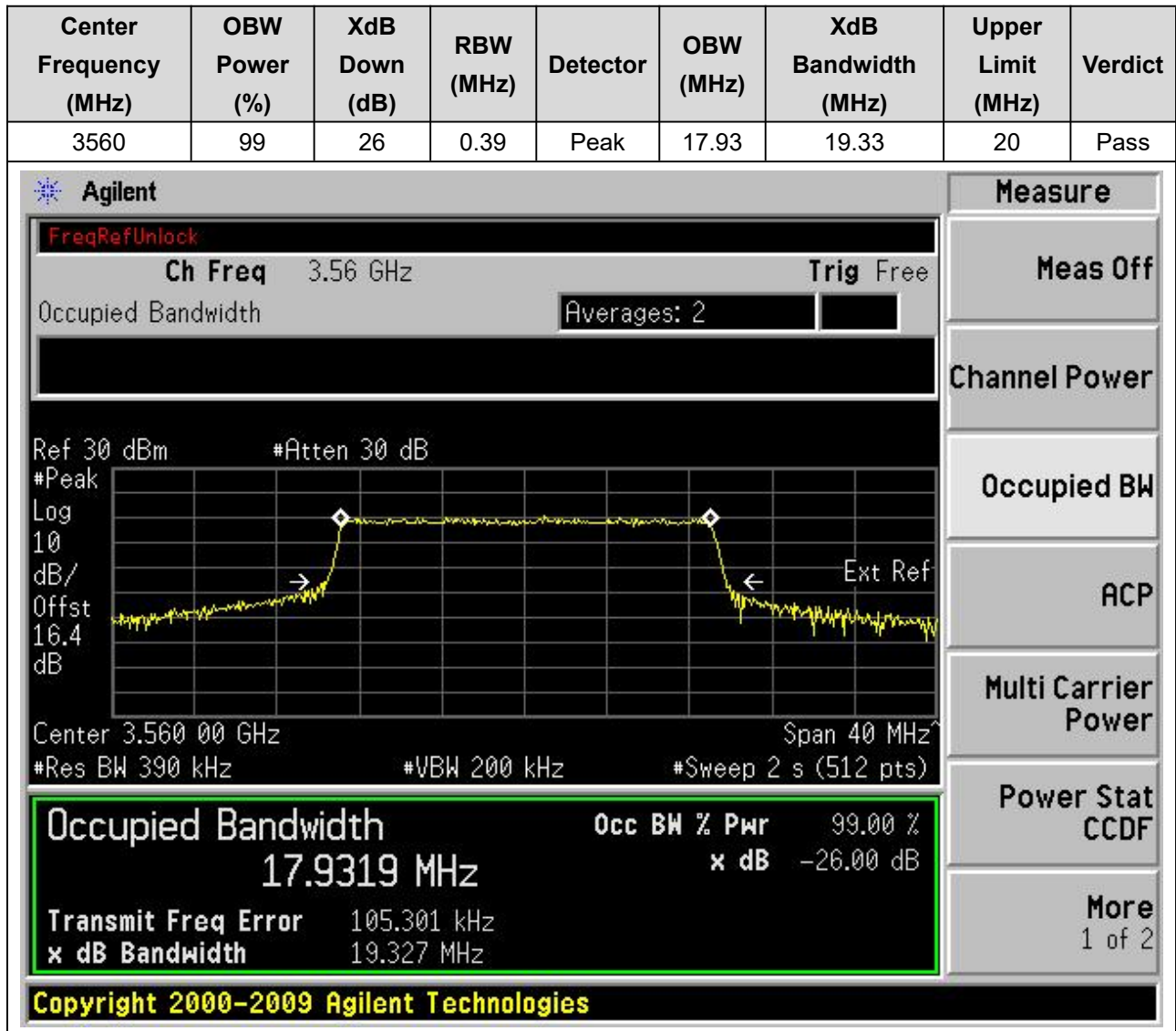
64QAM&256QAM)(NTNV)(Channel:56665, Bandwidth:15, Modulation:256QAM, RB Number:75, RB Position:0)



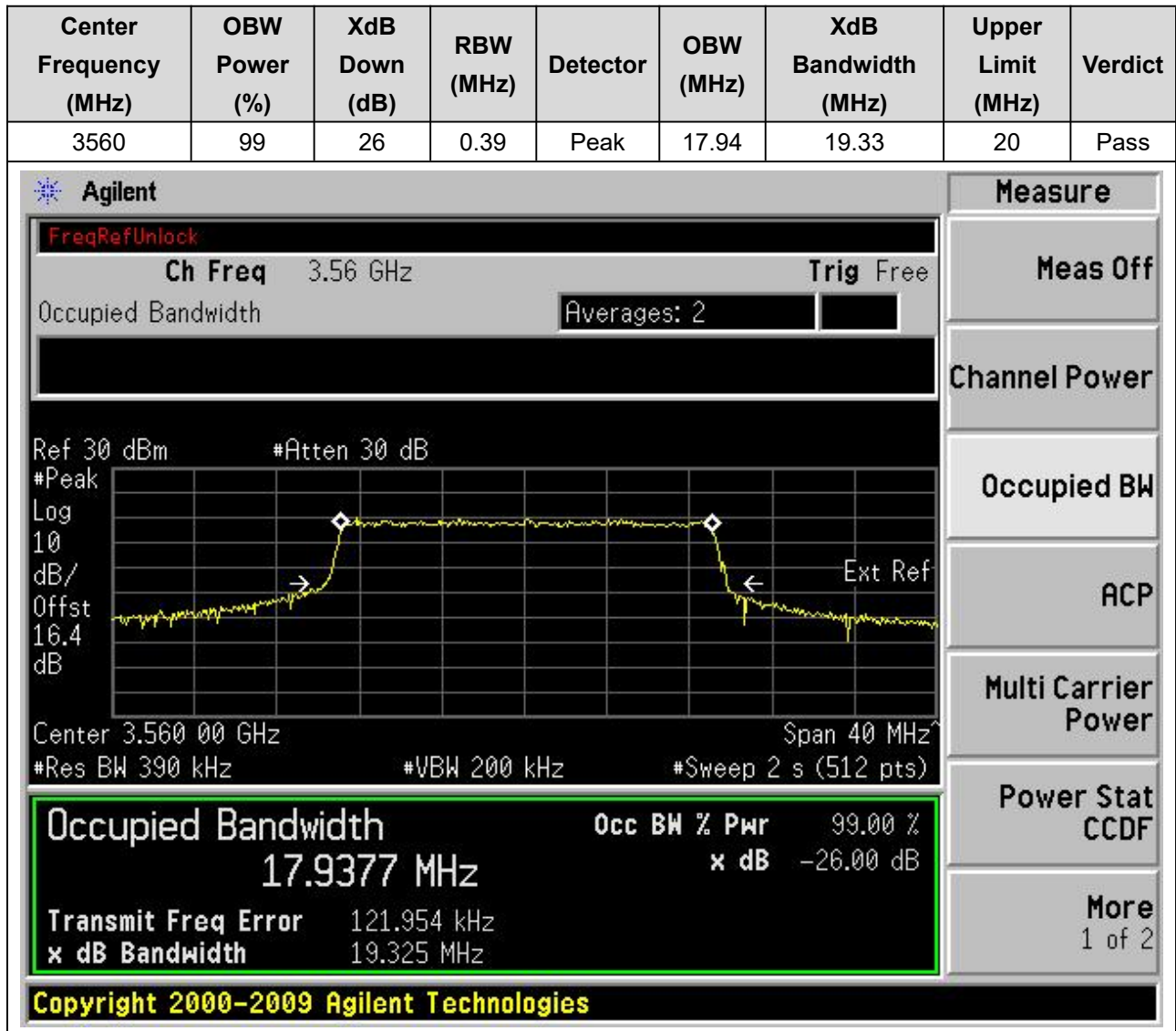
1.37 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55340, Bandwidth:20, Modulation:QPSK, RB Number:100, RB Position:0)



1.38 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55340, Bandwidth:20, Modulation:16QAM, RB Number:100, RB Position:0)

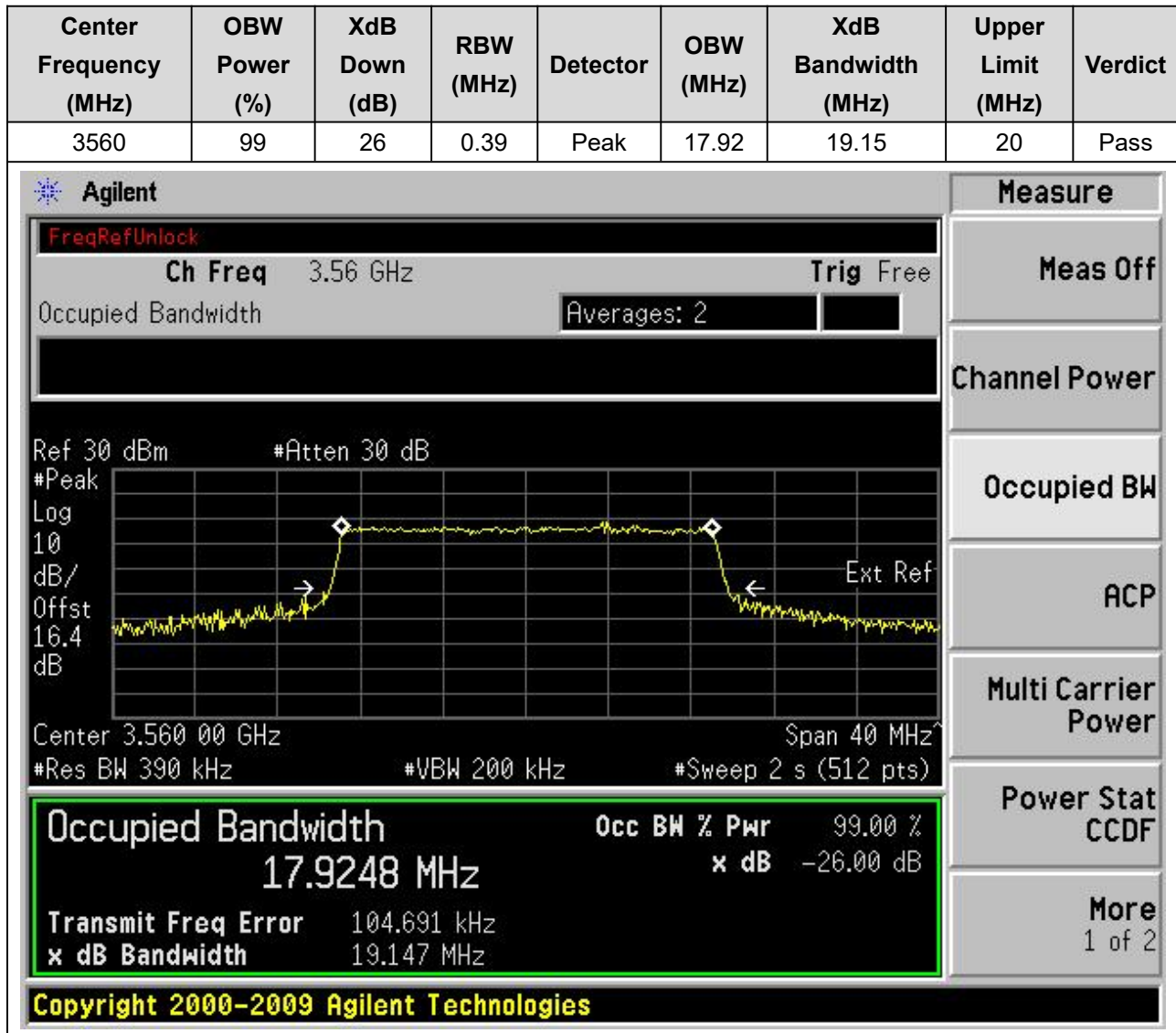


1.39 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:55340, Bandwidth:20, Modulation:64QAM, RB Number:100, RB Position:0)

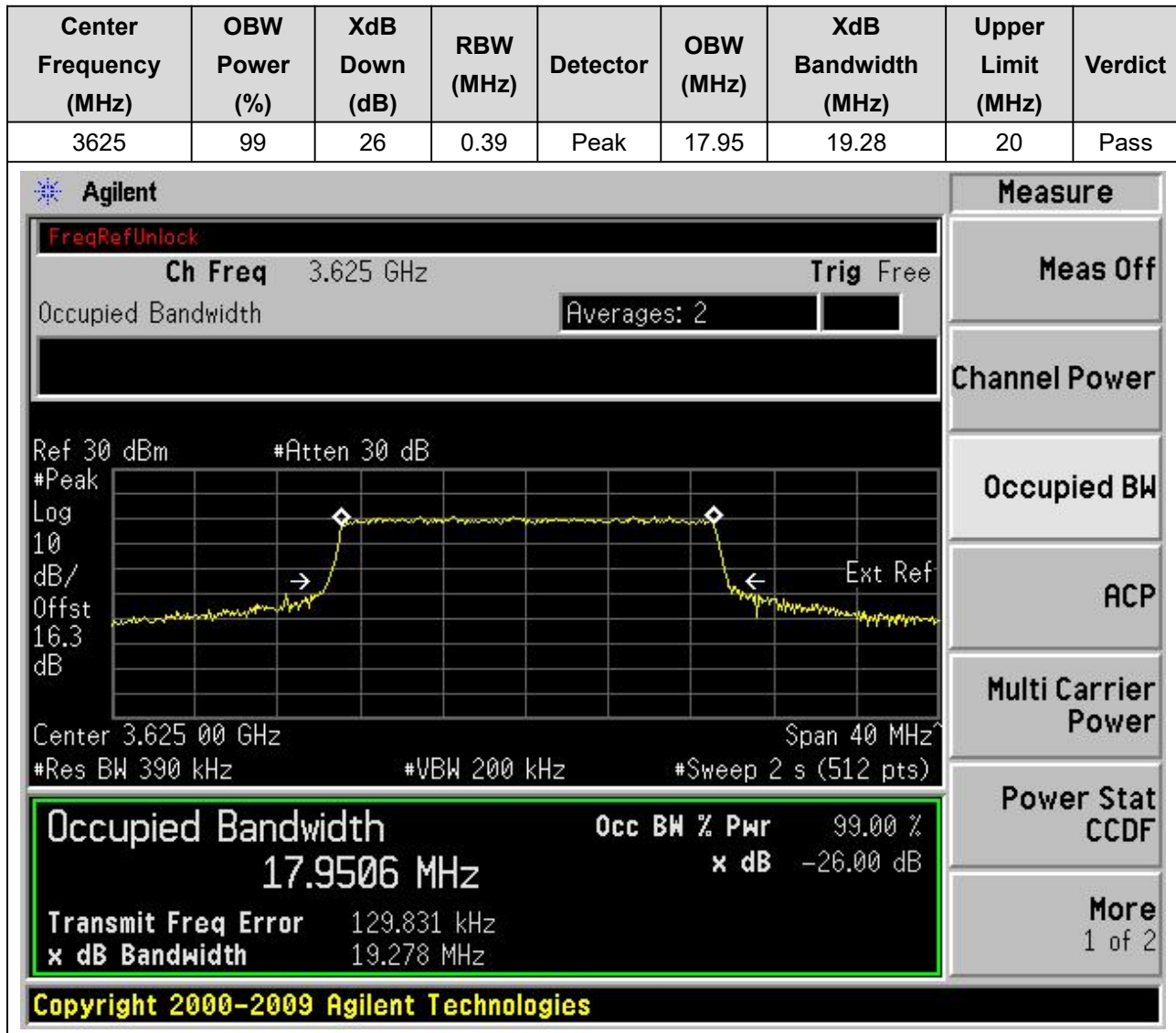


1.40 LTE Occupied Bandwidth_Part96(added

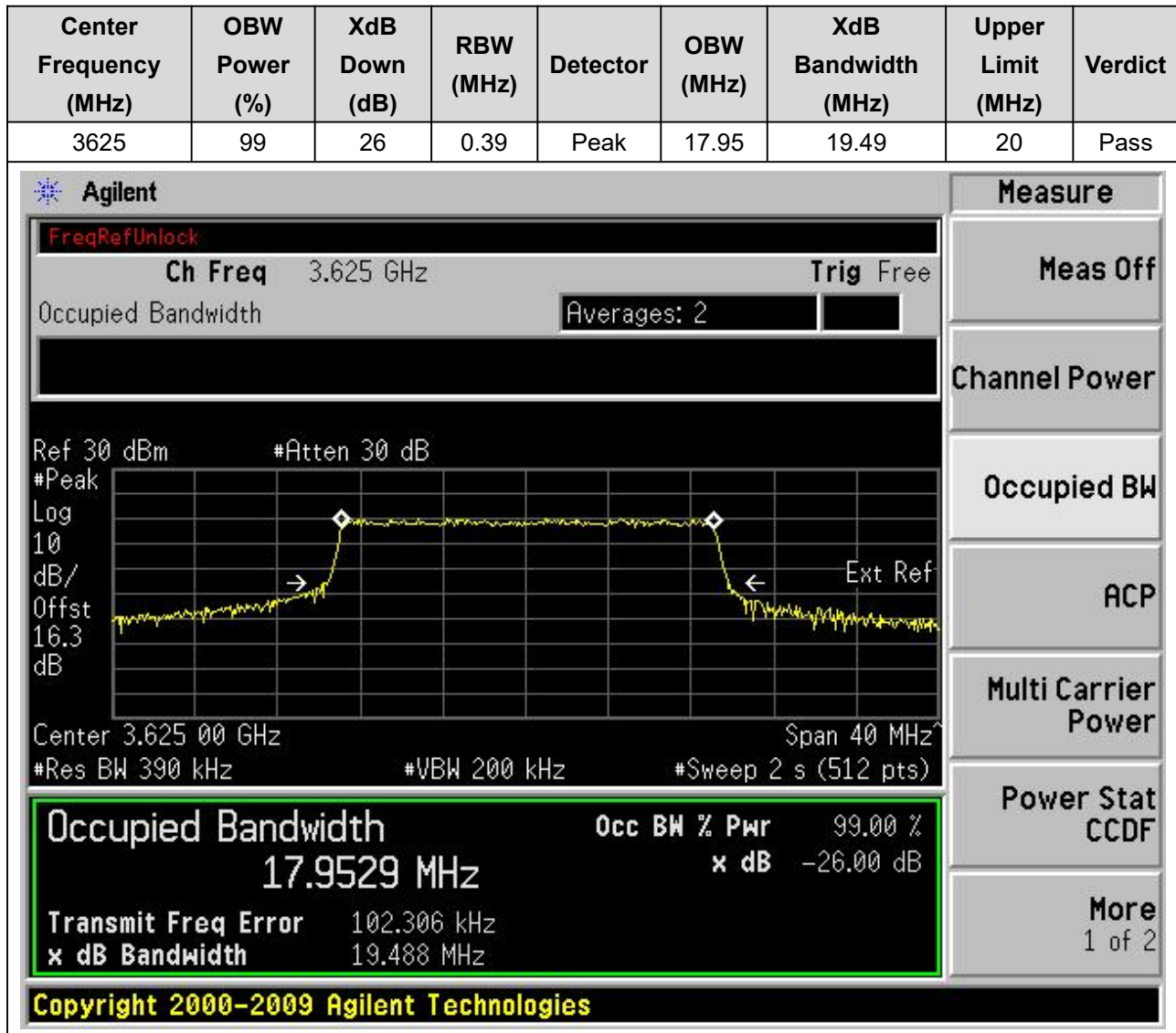
64QAM&256QAM)(NTNV)(Channel:55340, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)



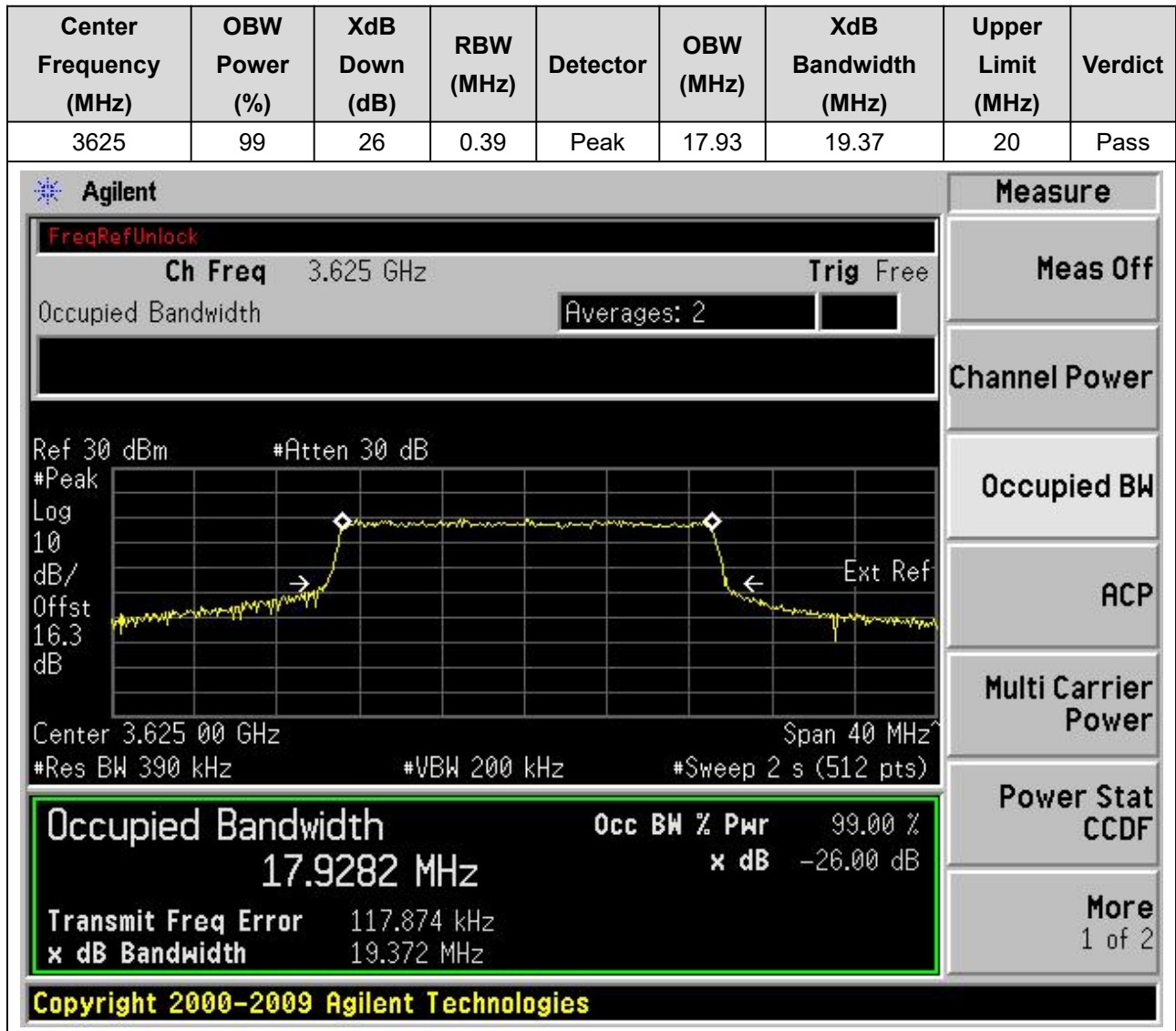
1.41 LTE Occupied Bandwidth_Part96(added
64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:20, Modulation:QPSK, RB
Number:100, RB Position:0)



1.42 LTE Occupied Bandwidth_Part96(added
64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:20, Modulation:16QAM, RB
Number:100, RB Position:0)

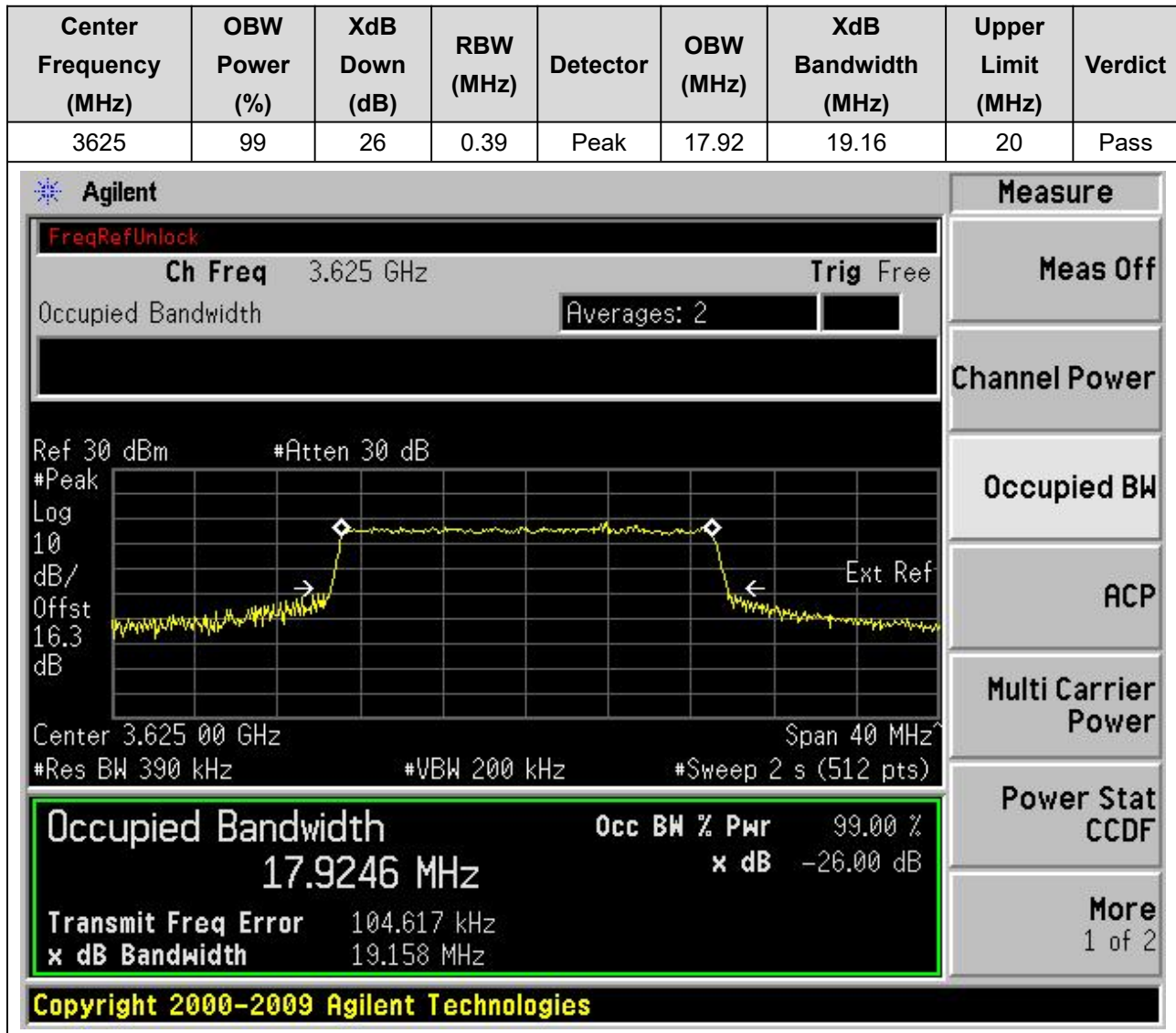


1.43 LTE Occupied Bandwidth_Part96(added
64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:20, Modulation:64QAM, RB
Number:100, RB Position:0)

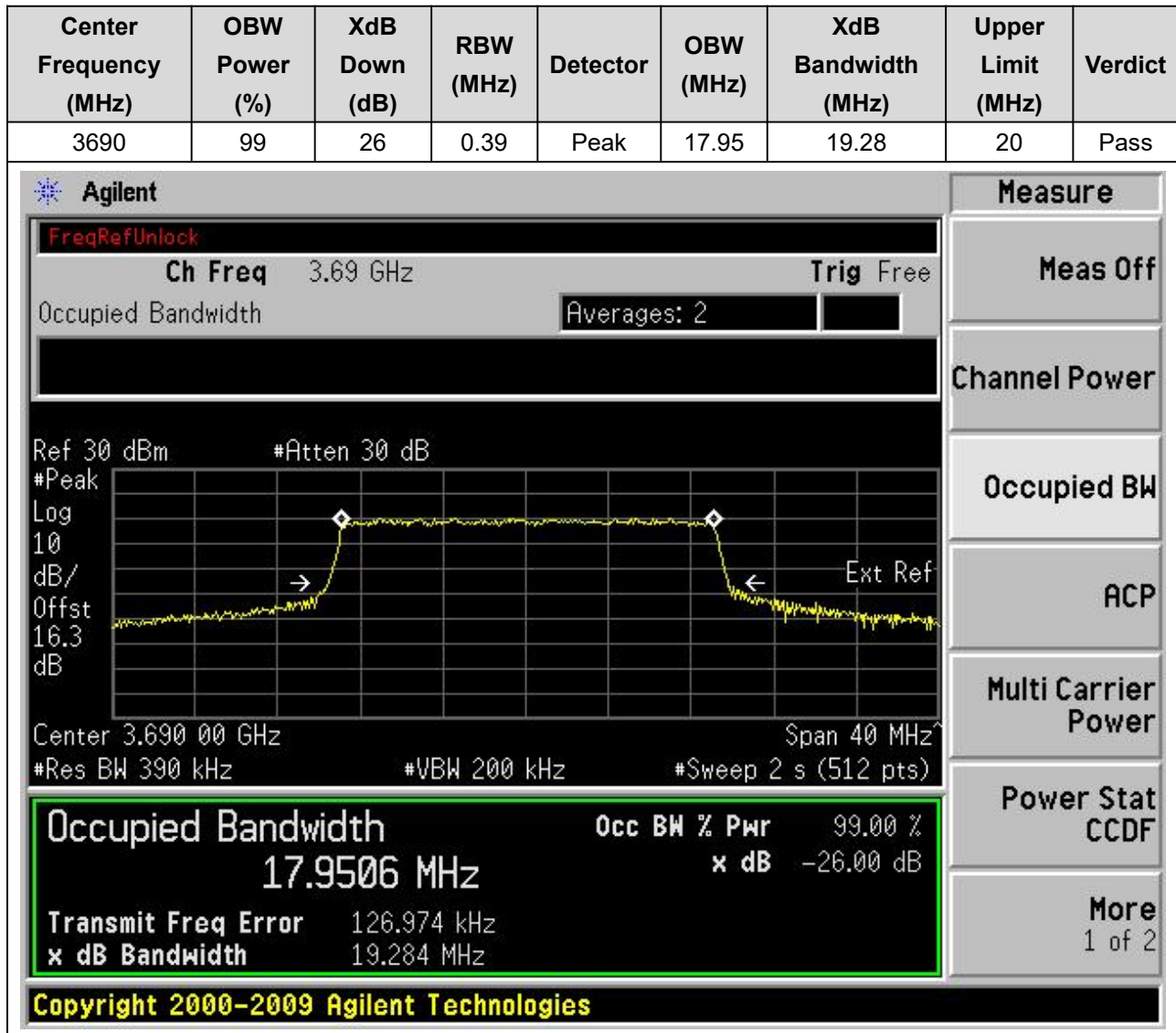


1.44 LTE Occupied Bandwidth_Part96(added

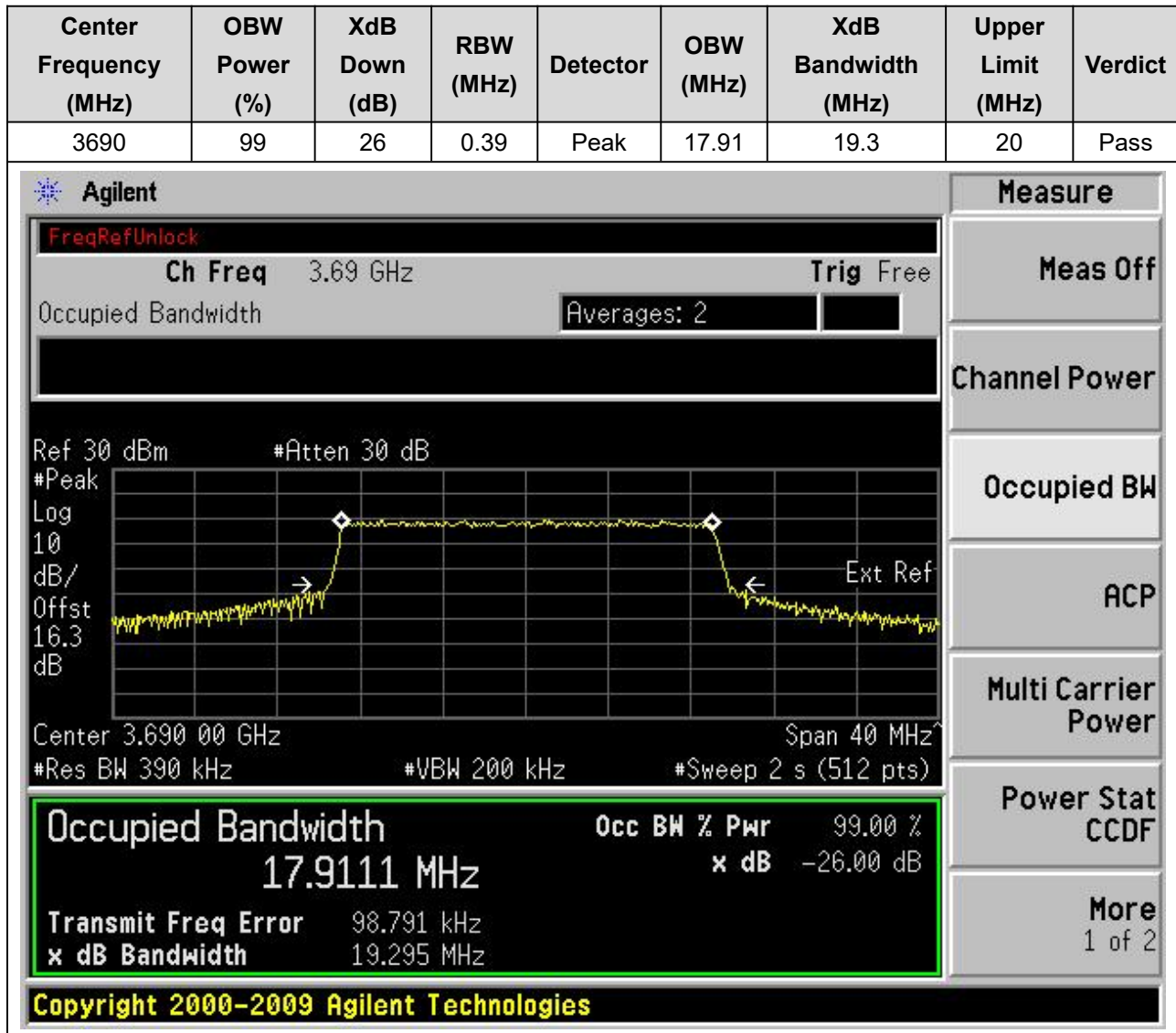
64QAM&256QAM)(NTNV)(Channel:55990, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)



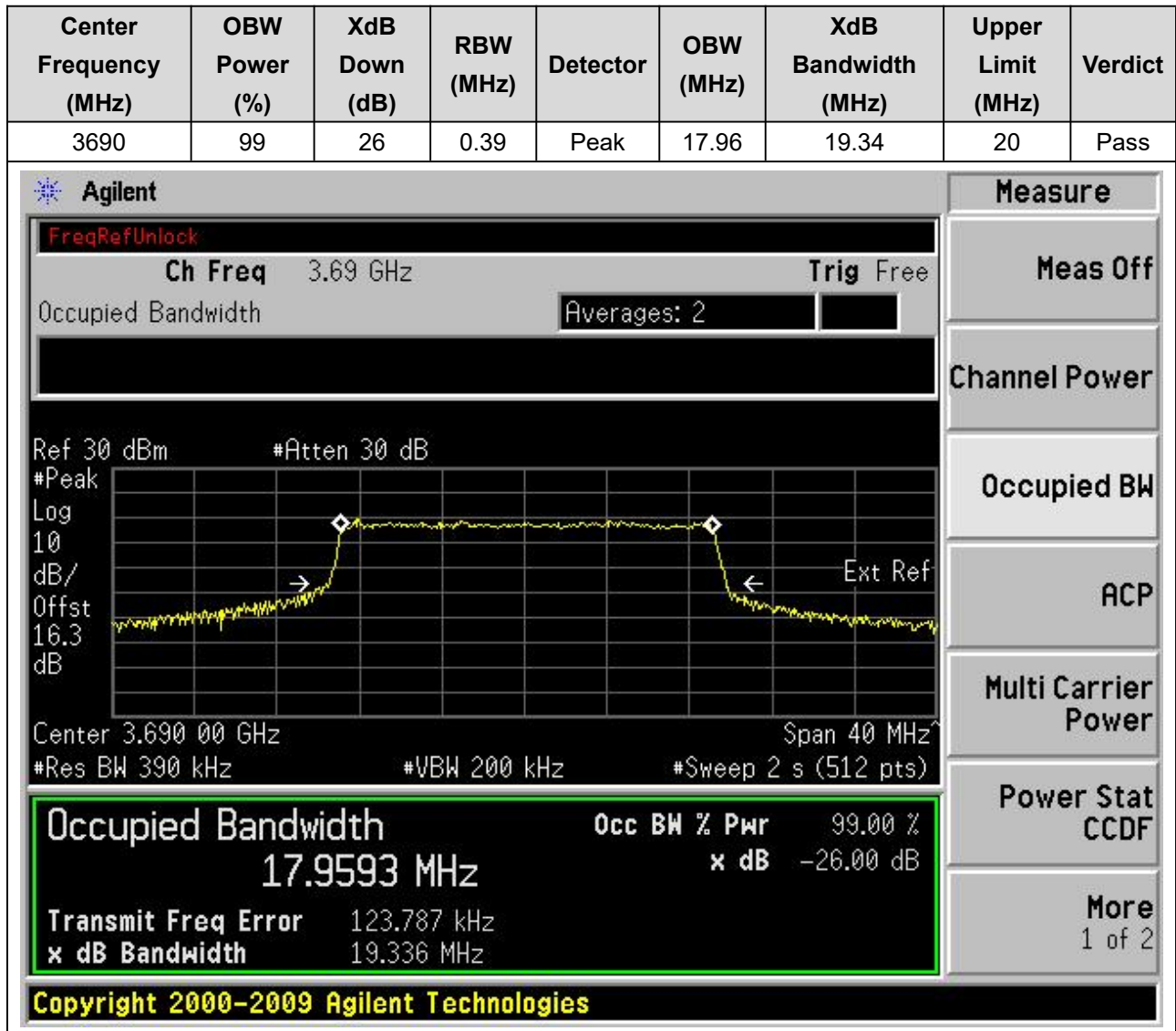
1.45 LTE Occupied Bandwidth_Part96(added
64QAM&256QAM)(NTNV)(Channel:56640, Bandwidth:20, Modulation:QPSK, RB
Number:100, RB Position:0)



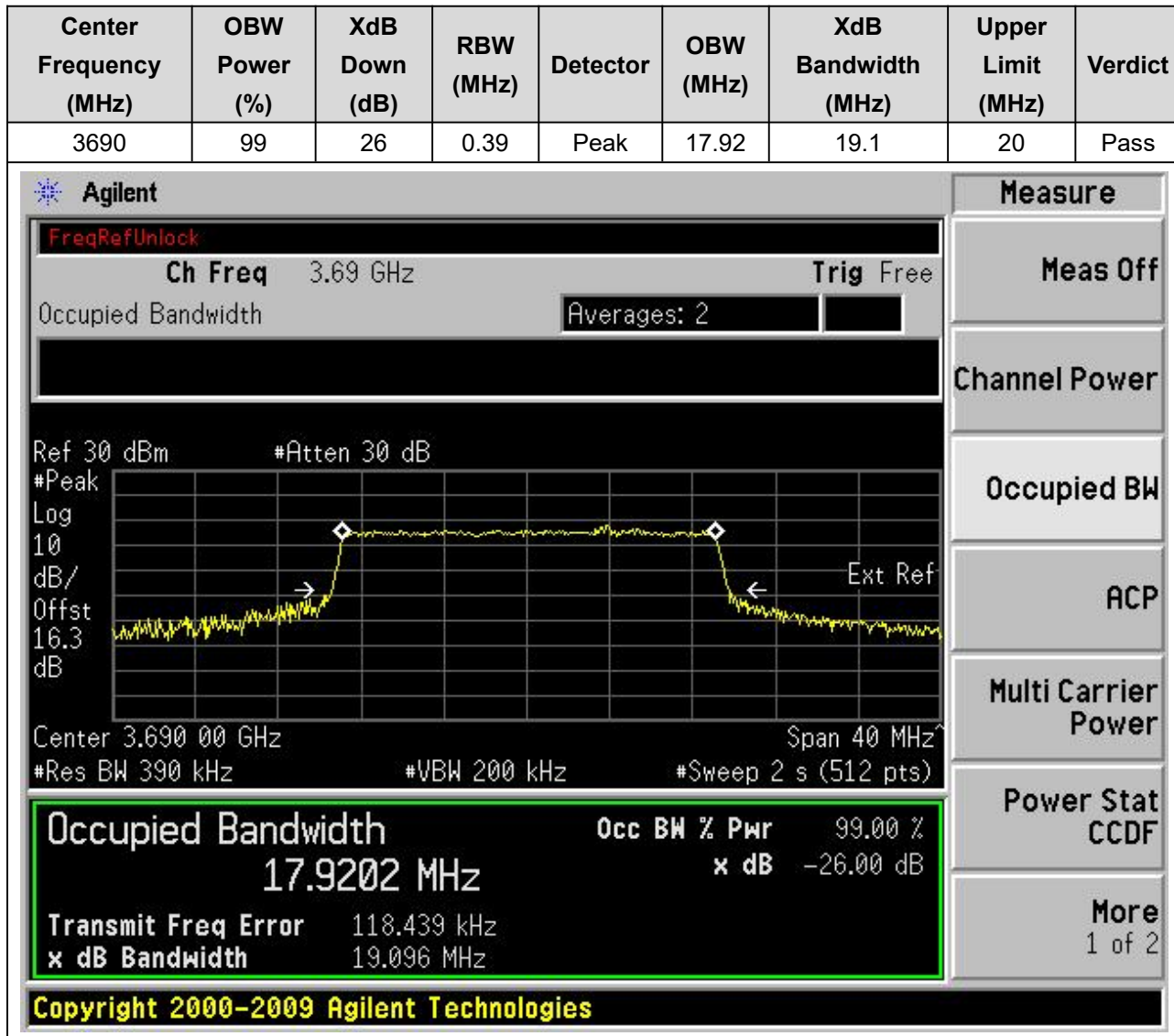
1.46 LTE Occupied Bandwidth_Part96(added
64QAM&256QAM)(NTNV)(Channel:56640, Bandwidth:20, Modulation:16QAM, RB
Number:100, RB Position:0)



1.47 LTE Occupied Bandwidth_Part96(added
64QAM&256QAM)(NTNV)(Channel:56640, Bandwidth:20, Modulation:64QAM, RB
Number:100, RB Position:0)

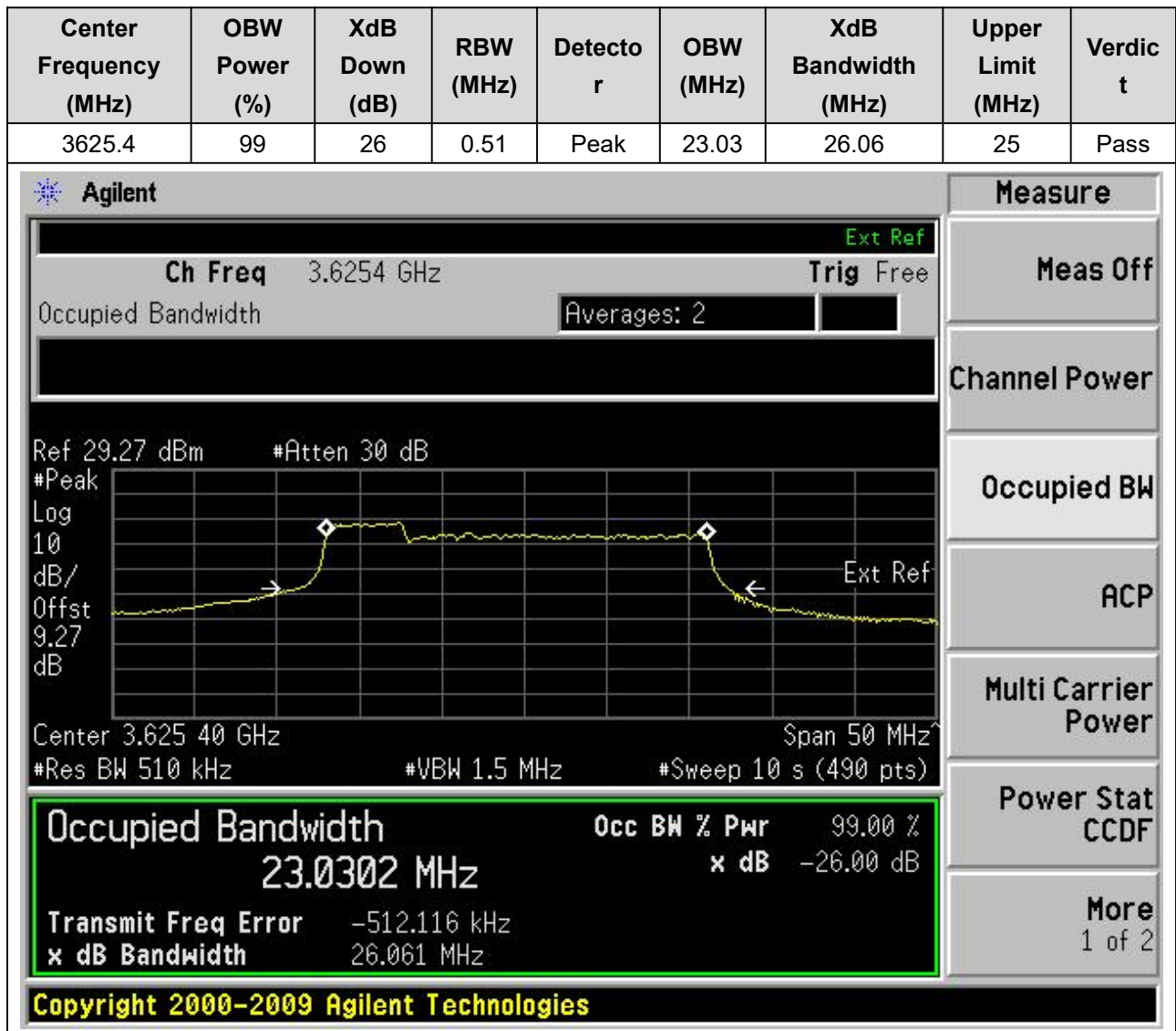


1.48 LTE Occupied Bandwidth_Part96(added 64QAM&256QAM)(NTNV)(Channel:56640, Bandwidth:20, Modulation:256QAM, RB Number:100, RB Position:0)

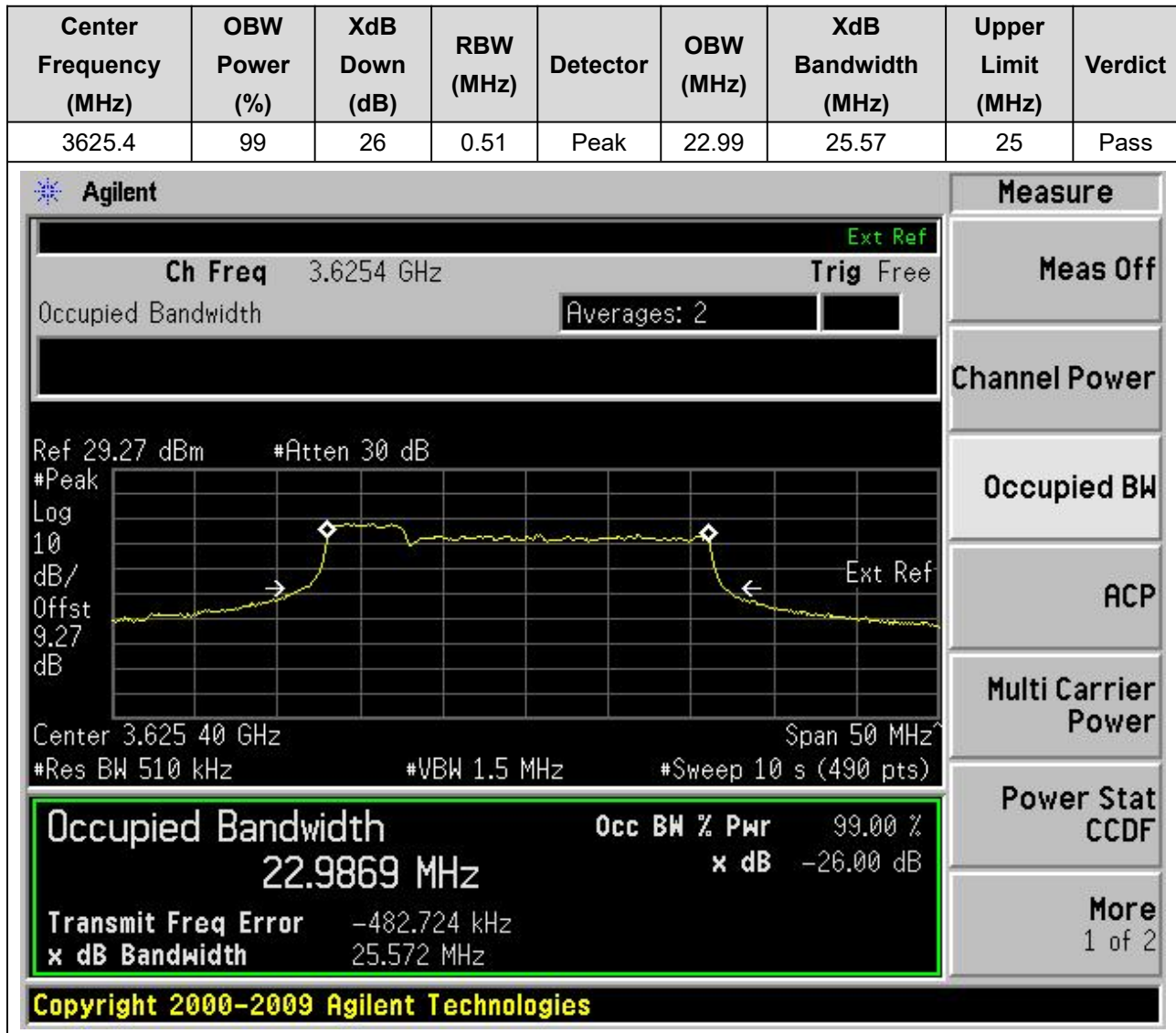


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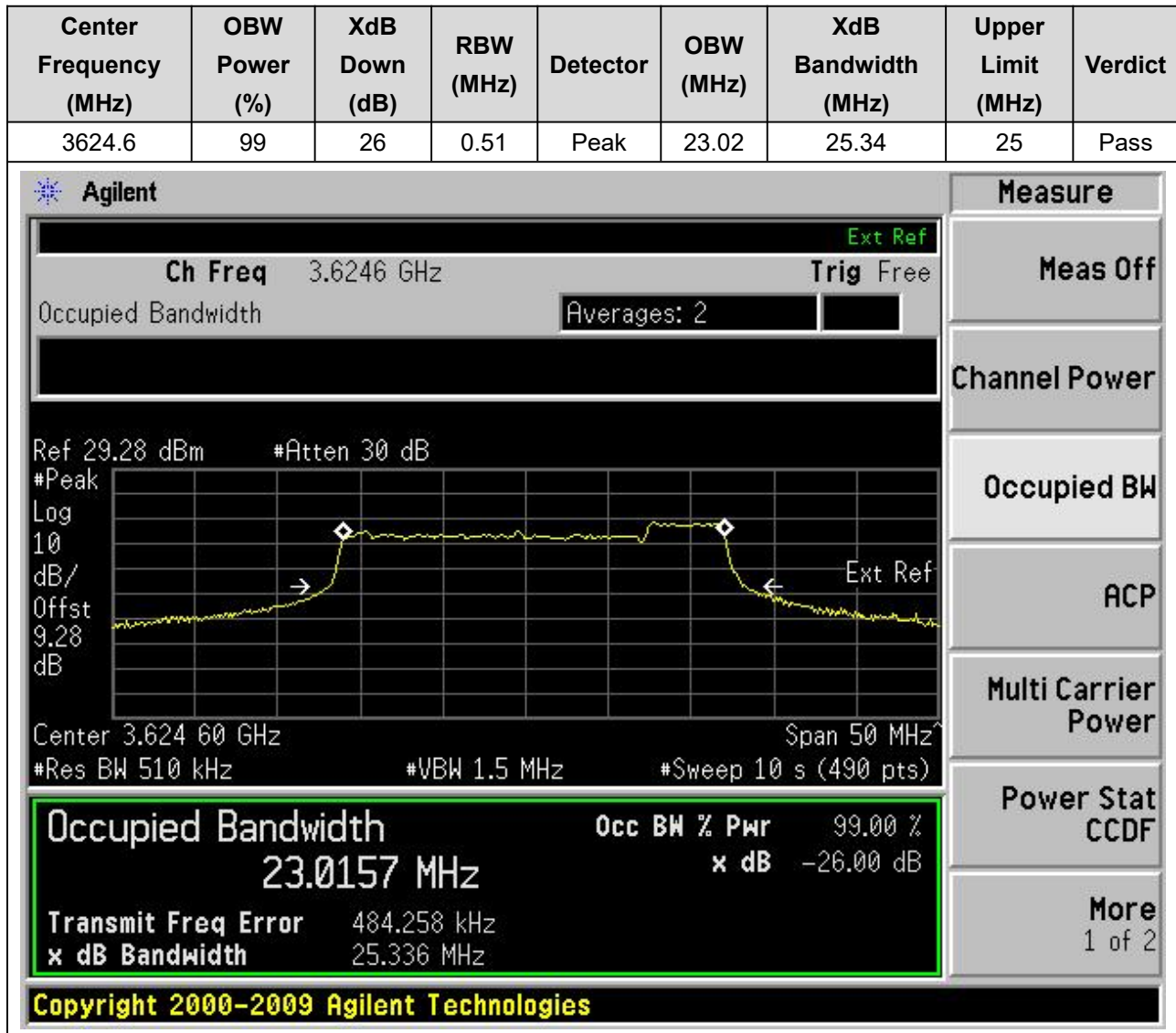
1.1 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:1, Channel:55898|56015, Bandwidth:5|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



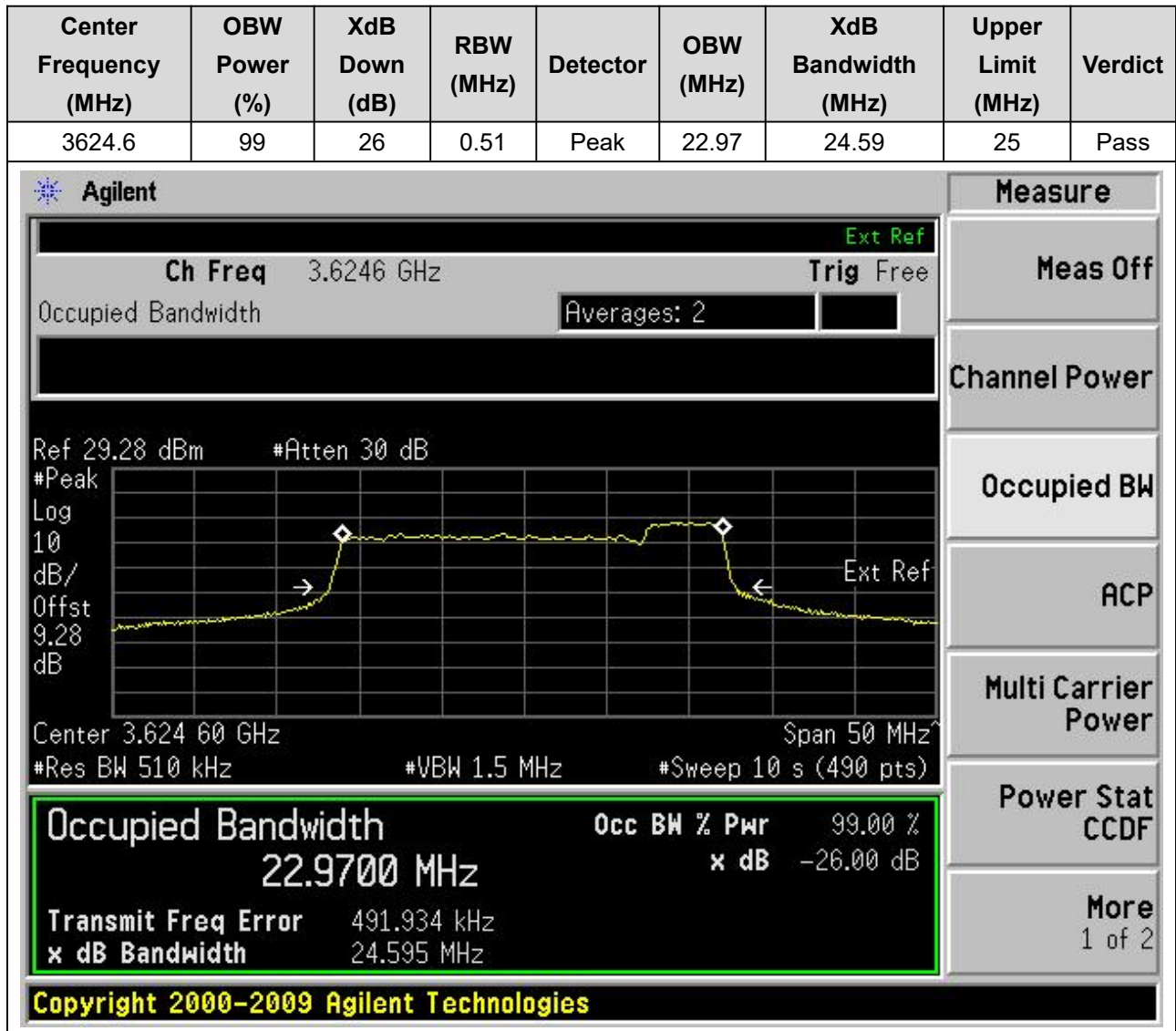
1.2 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:2, Channel:55898|56015, Bandwidth:5|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



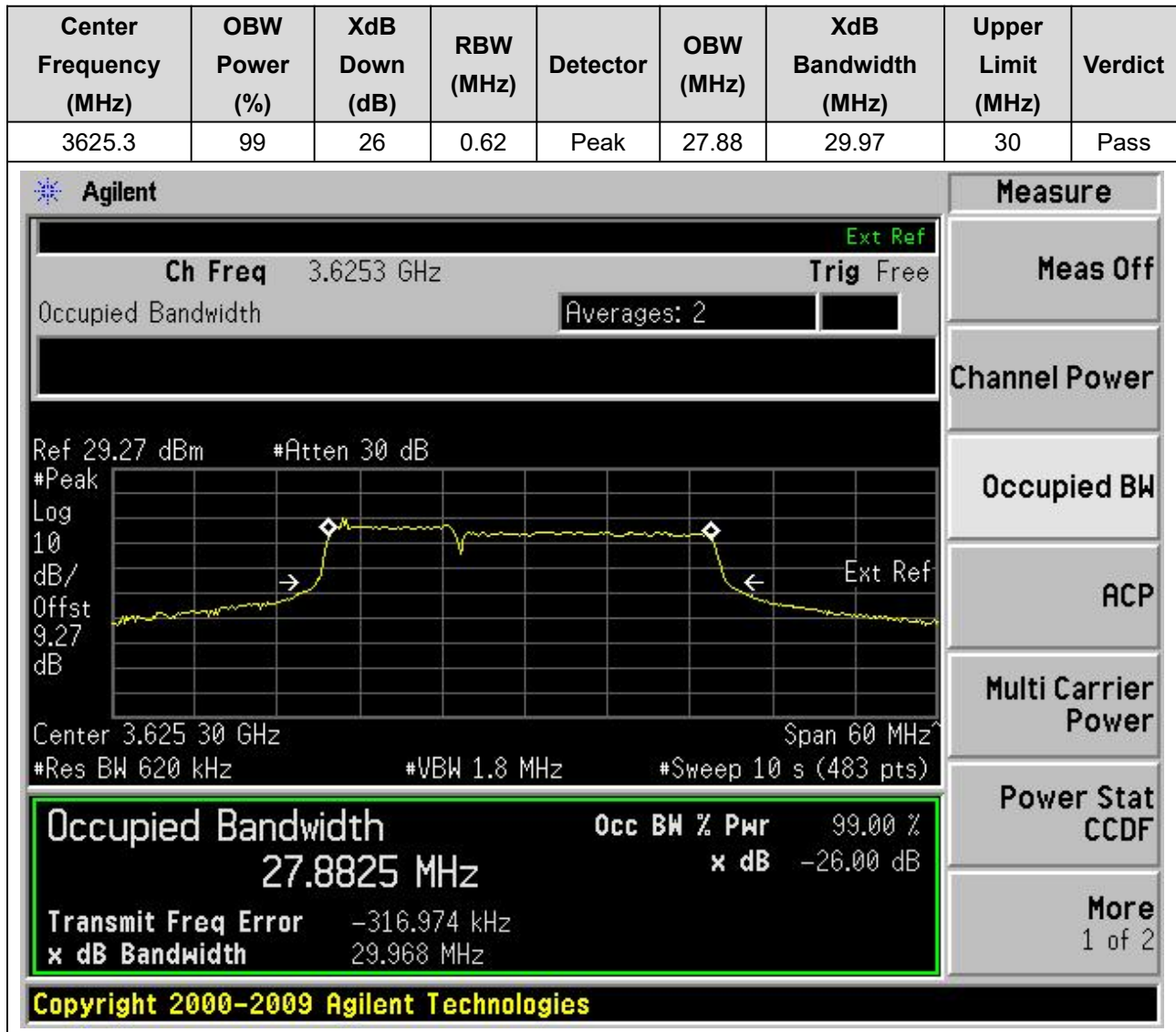
1.3 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:3, Channel:55965|56082, Bandwidth:20|5MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



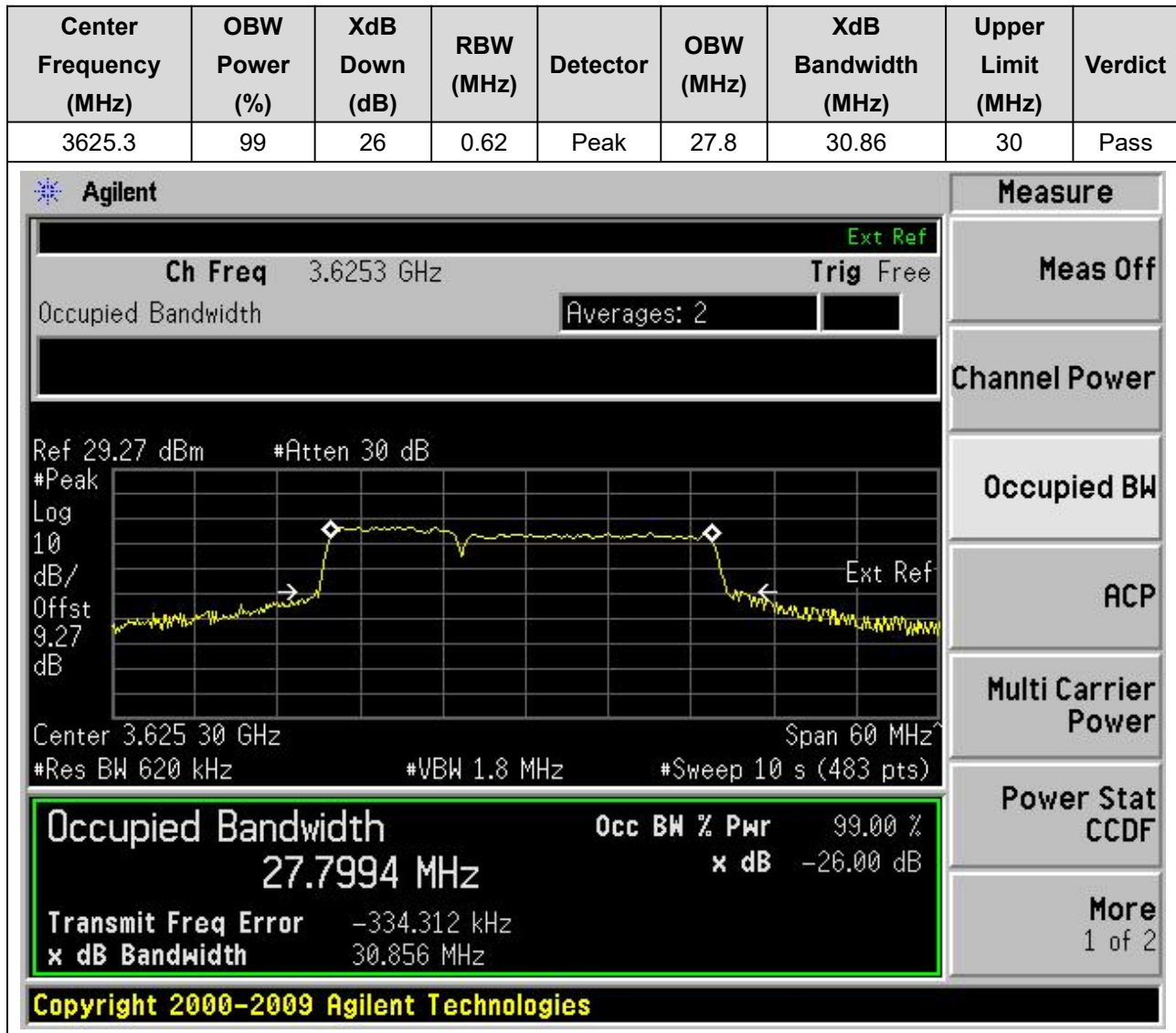
1.4 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:4, Channel:55965|56082, Bandwidth:20|5MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



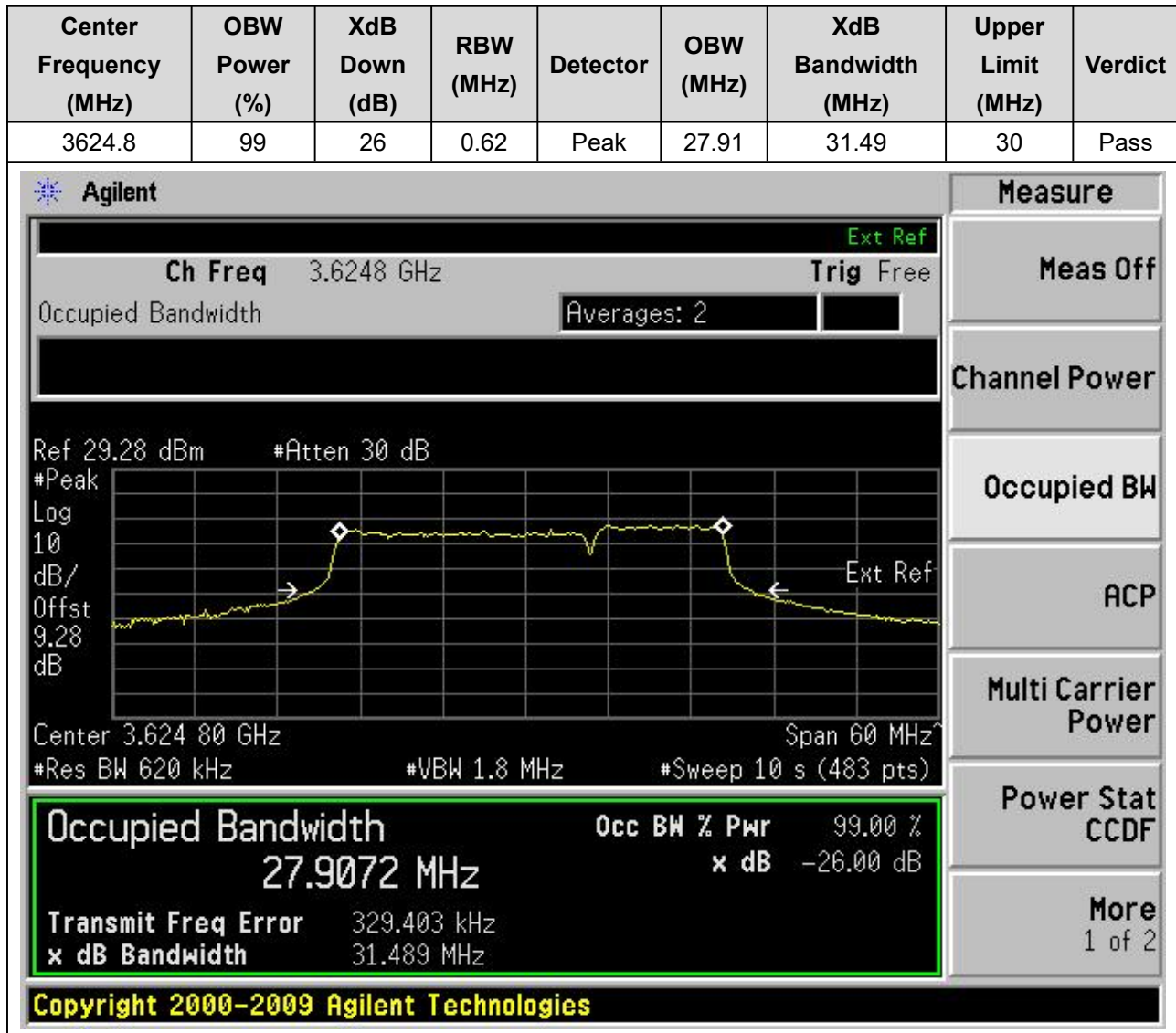
1.5 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:5, Channel:55896|56040, Bandwidth:10|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



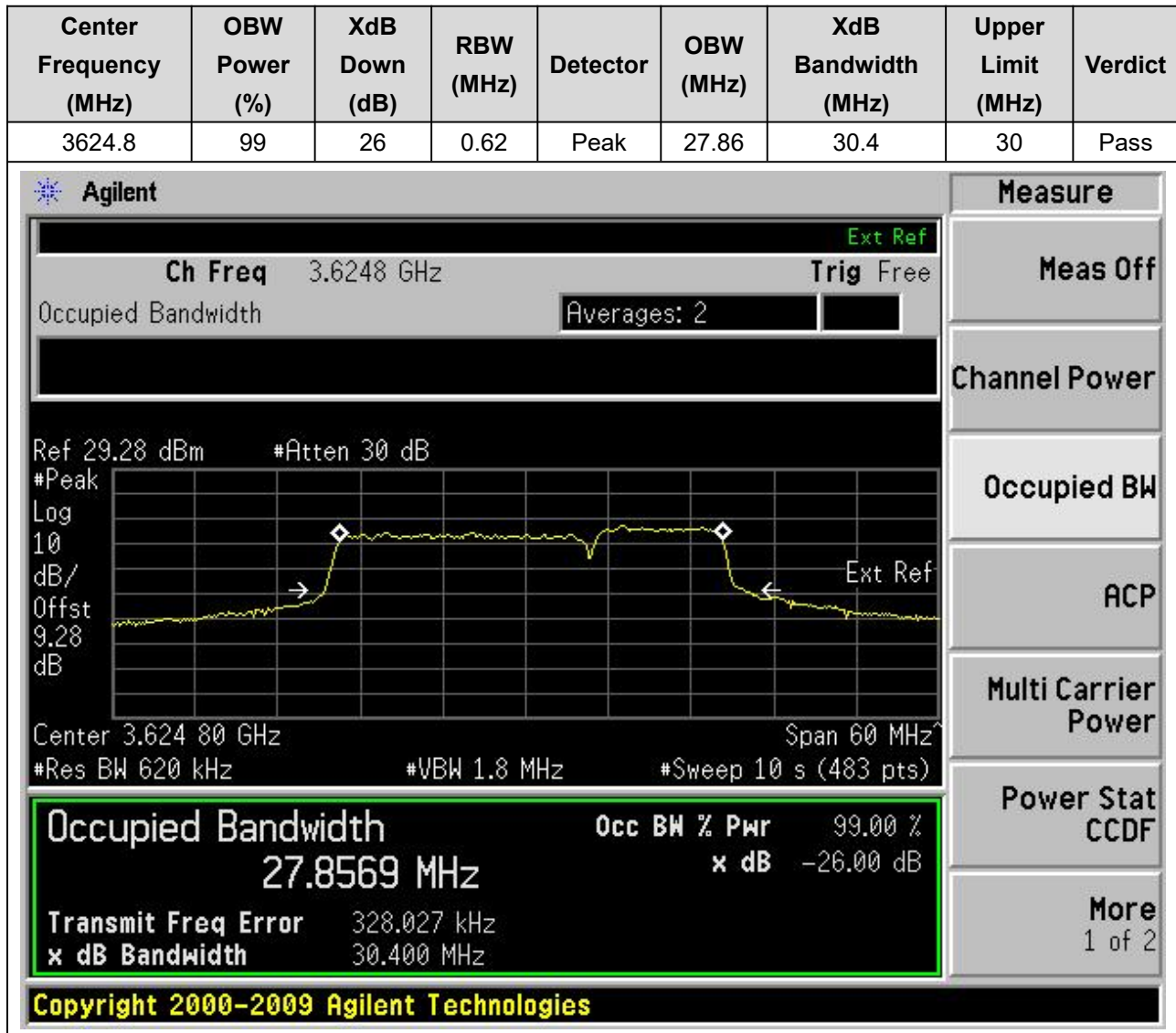
1.6 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:6, Channel:55896|56040, Bandwidth:10|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



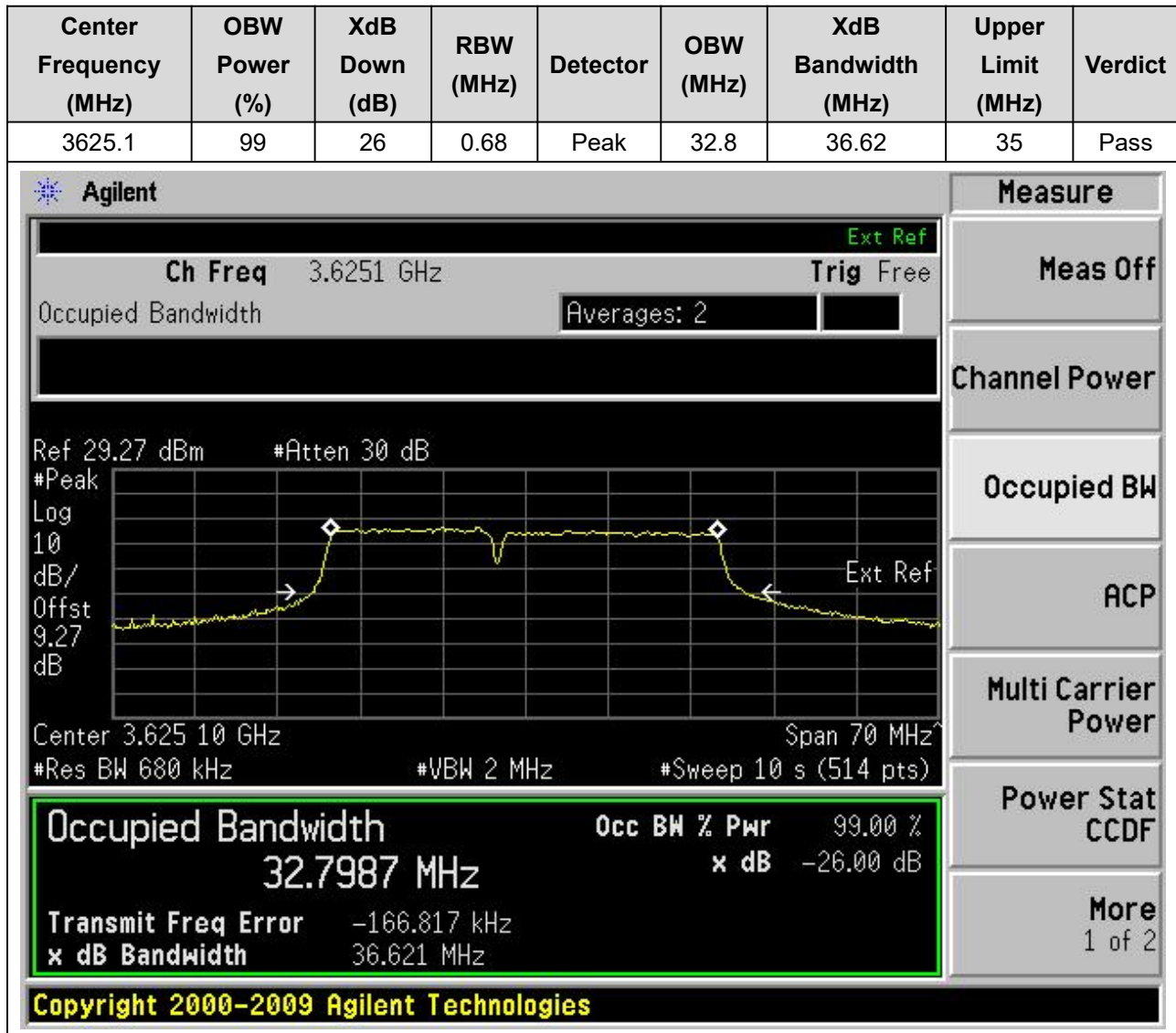
1.7 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:7, Channel:55941|56085, Bandwidth:20|10MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



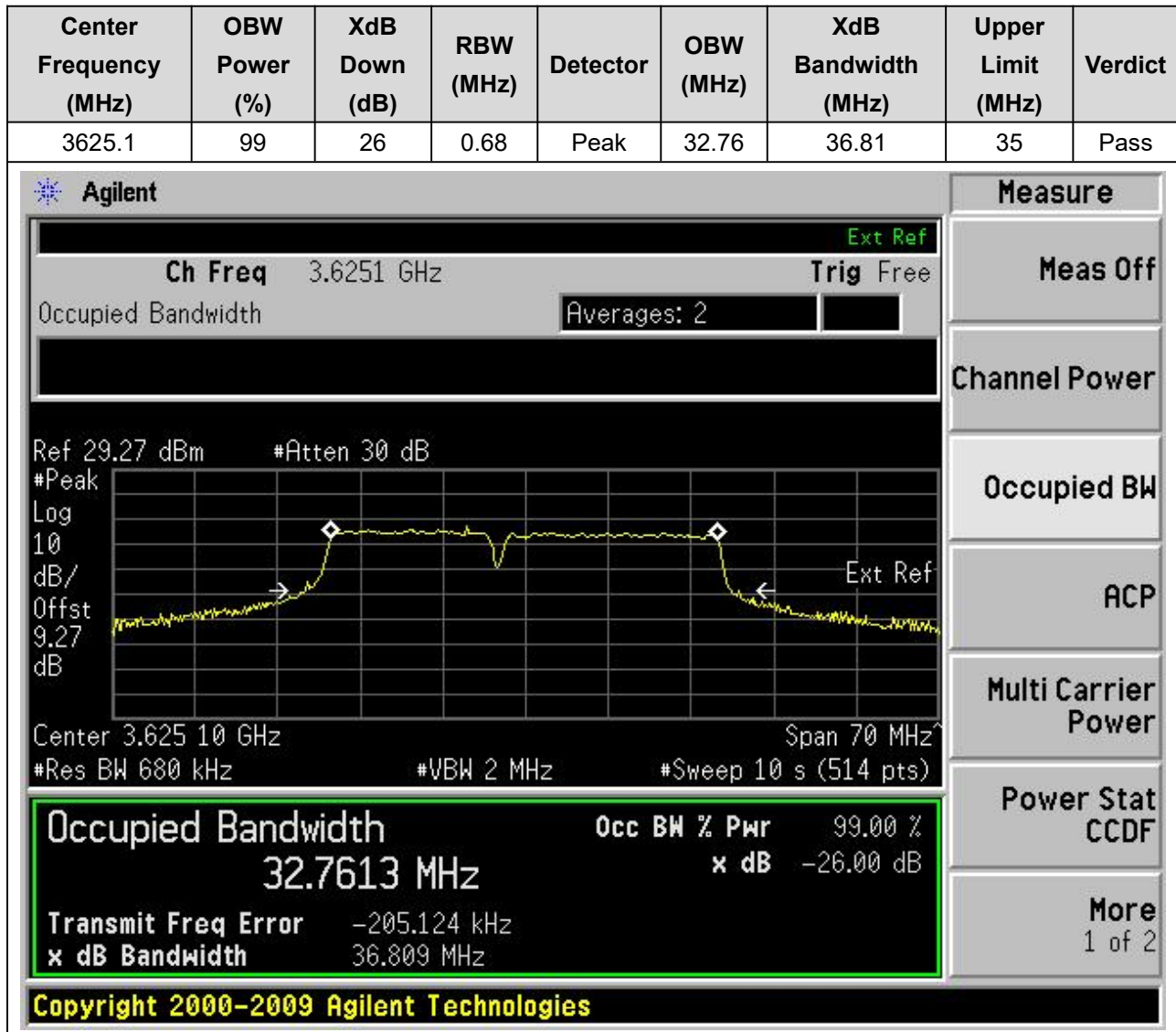
1.8 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:8, Channel:55941|56085, Bandwidth:20|10MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



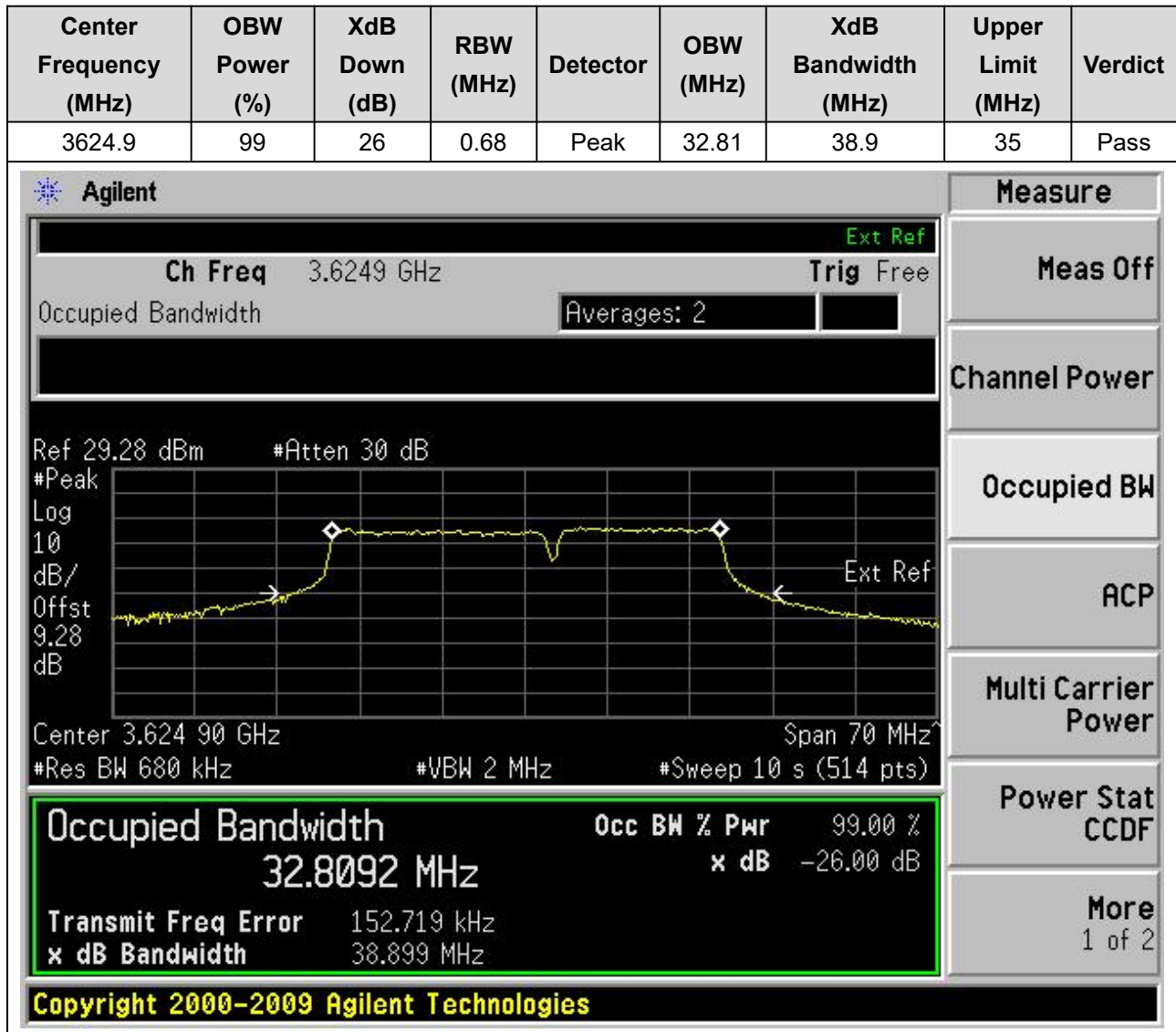
1.9 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:9, Channel:55893|56064, Bandwidth:15|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



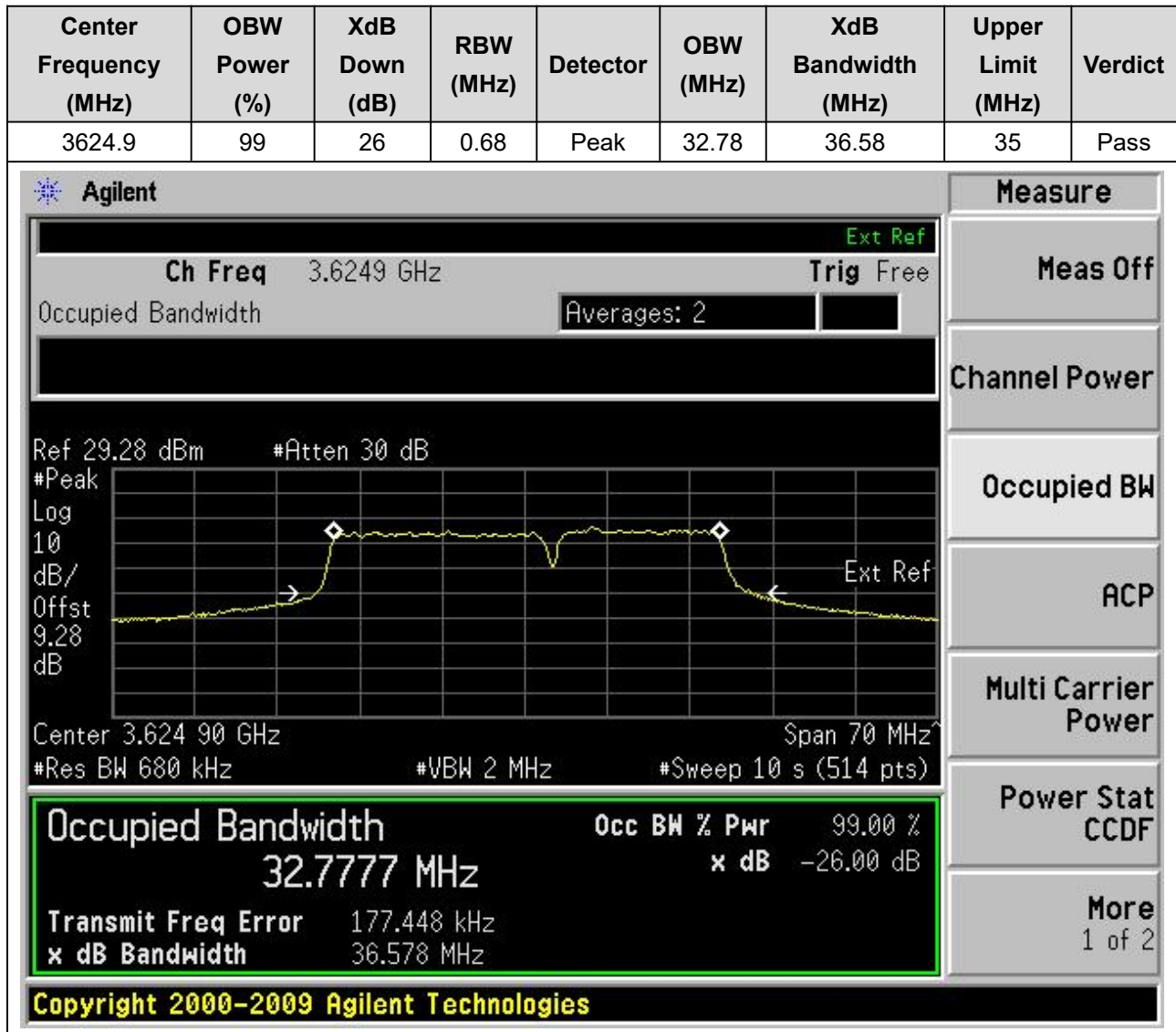
1.10 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:10, Channel:55893|56064, Bandwidth:15|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



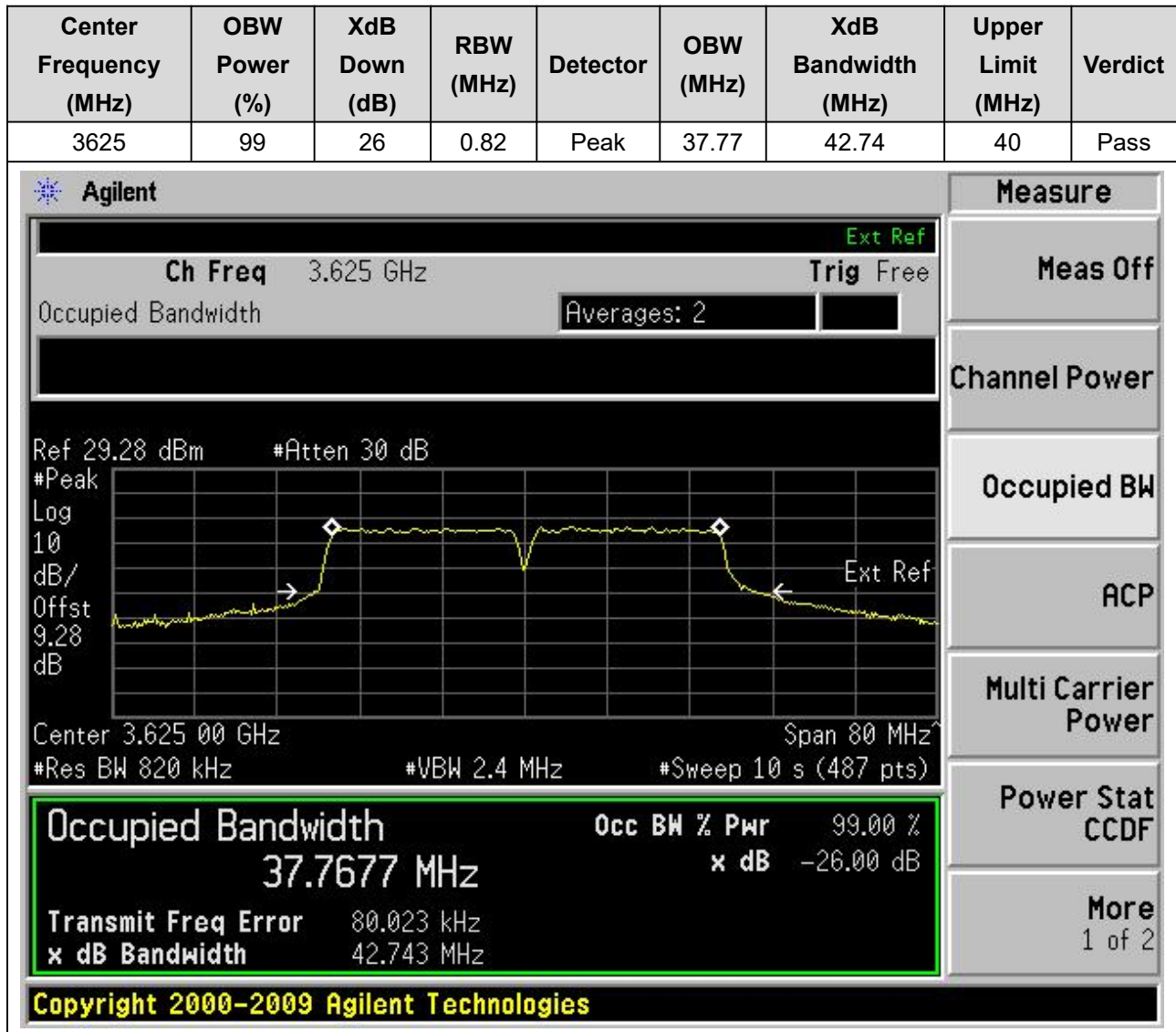
1.11 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:11, Channel:55916|56087, Bandwidth:20|15MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



1.12 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:12, Channel:55916|56087, Bandwidth:20|15MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)



1.13 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:13, Channel:55891|56089, Bandwidth:20|20MHz, Modulation:QPSK, RB Number:Full|Full, RB Position:Low|Low)



1.14 LTE-A Occupied Bandwidth_Part96(NTNV)(Subtest:14, Channel:55891|56089, Bandwidth:20|20MHz, Modulation:16QAM, RB Number:Full|Full, RB Position:Low|Low)

