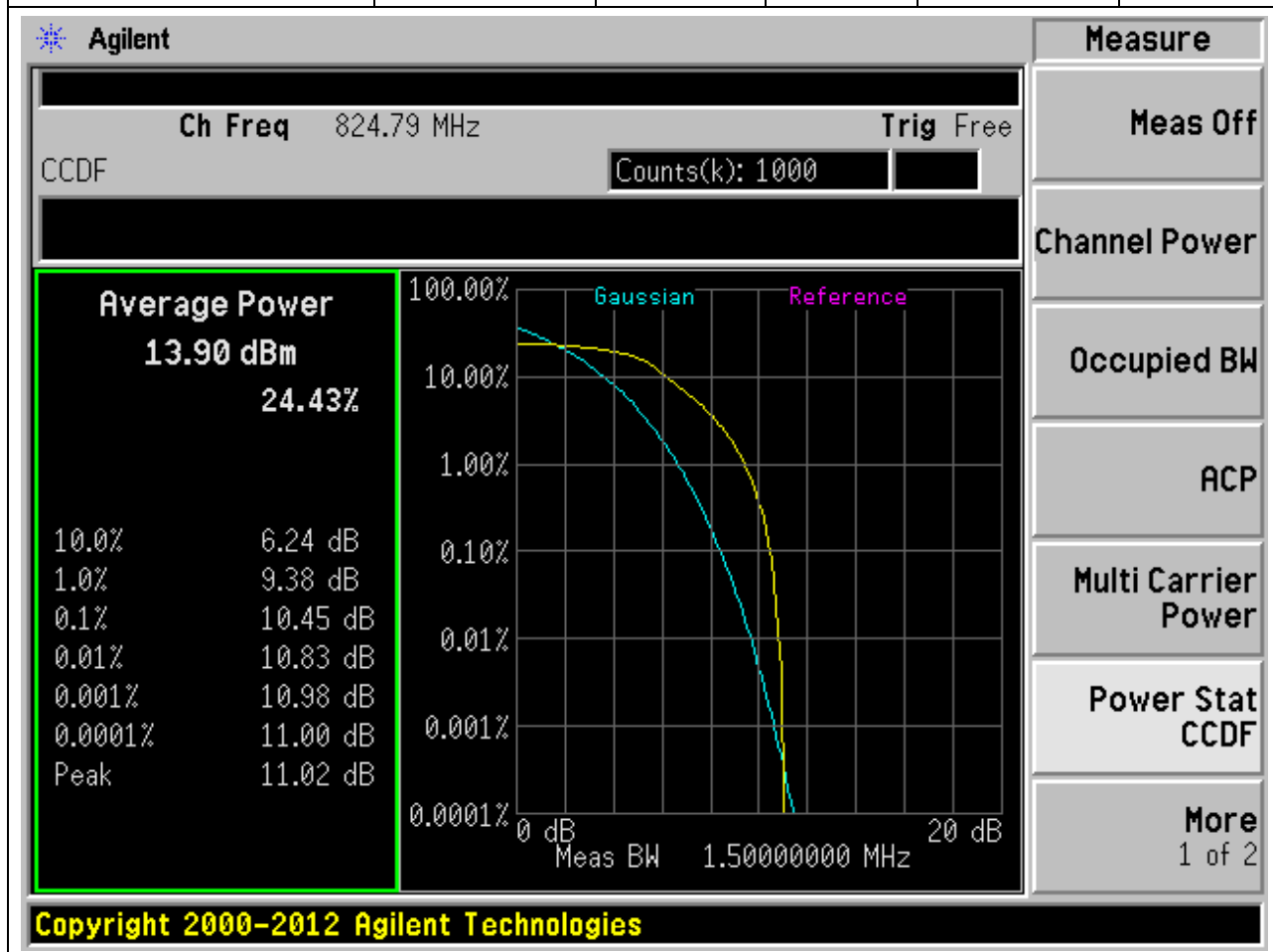


A.2 Peak to Average Ratio

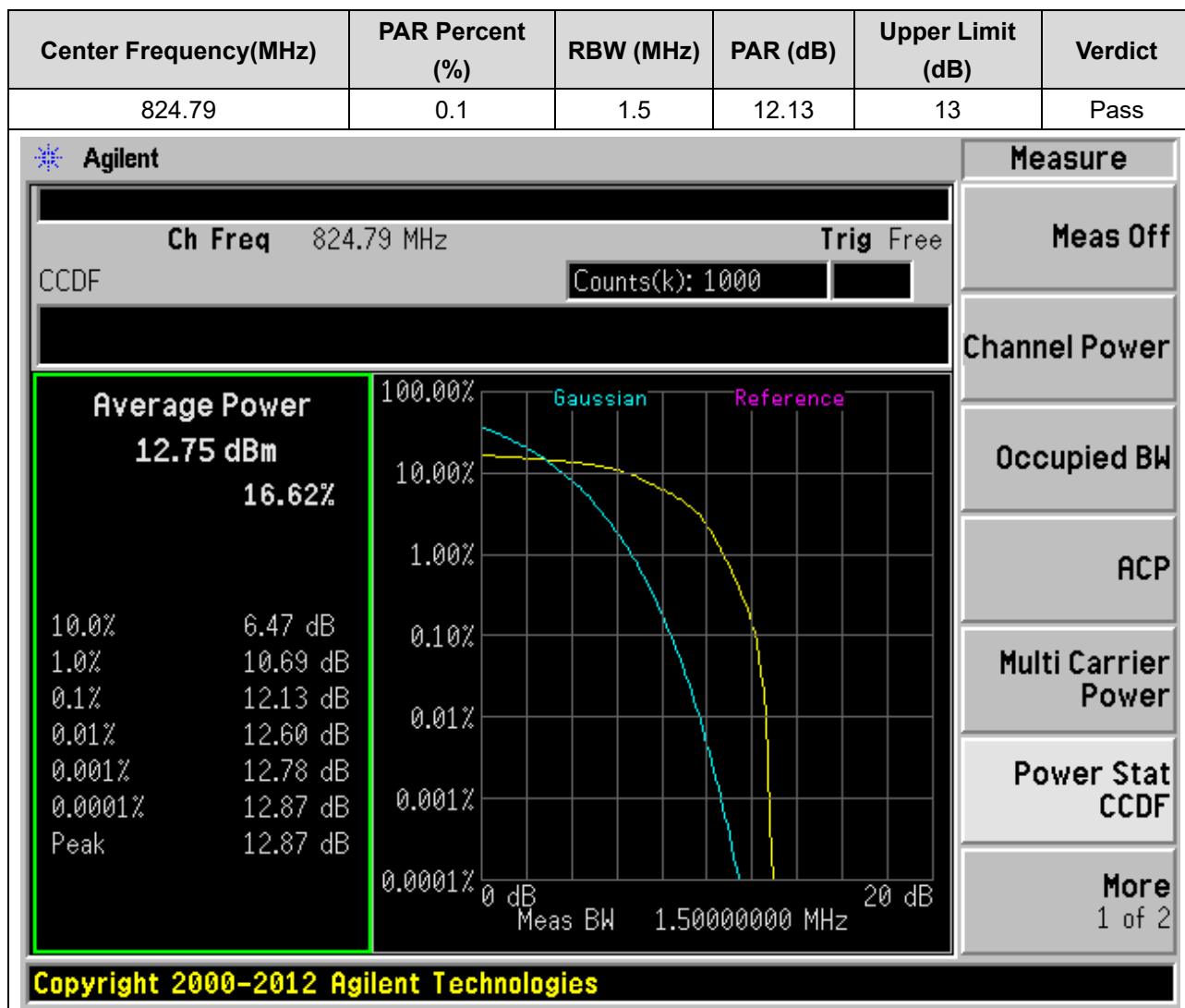
1. Cat-M_Band18(part22)

1.5. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23965, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)

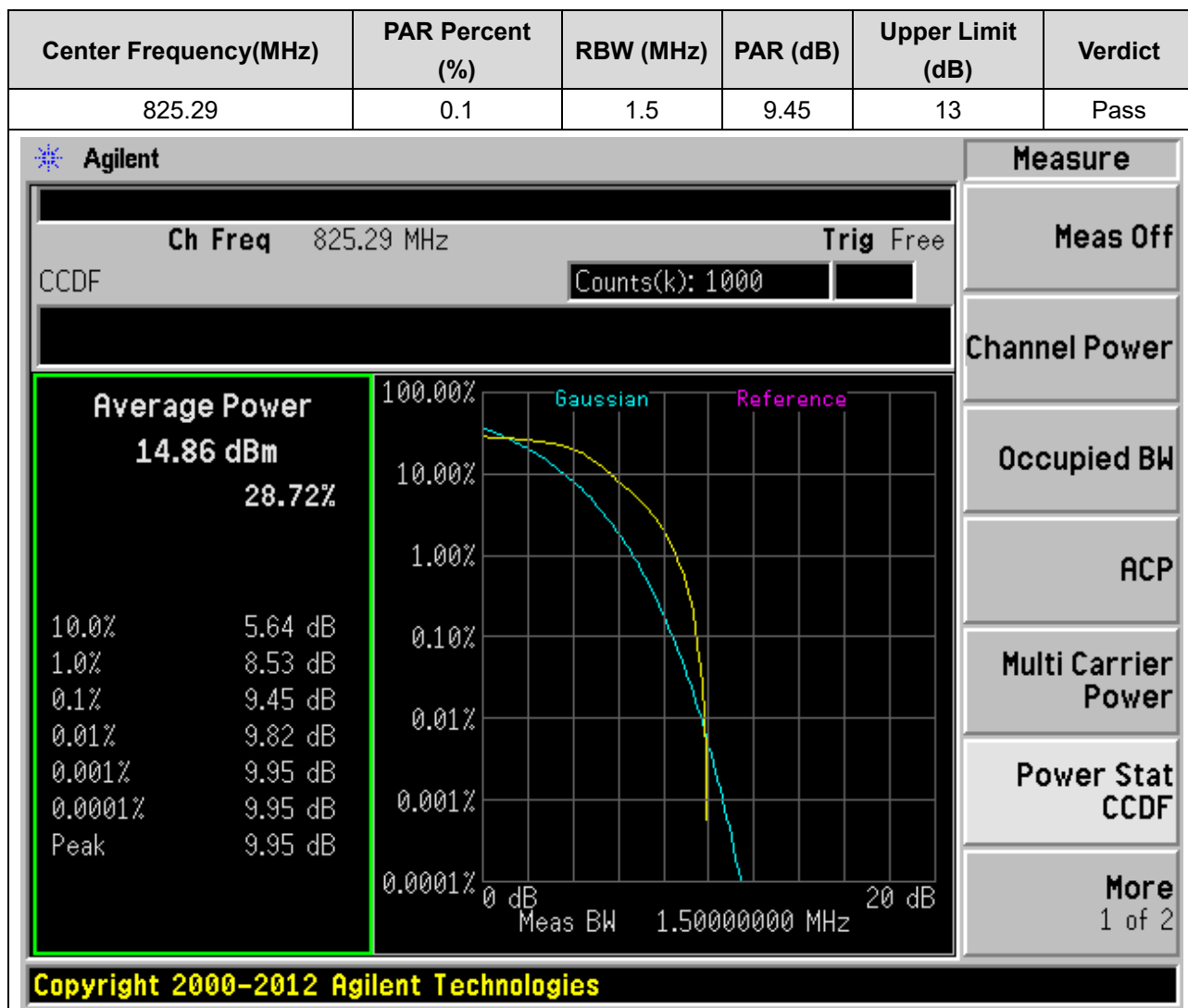
Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Upper Limit (dB)	Verdict
824.79	0.1	1.5	10.45	13	Pass



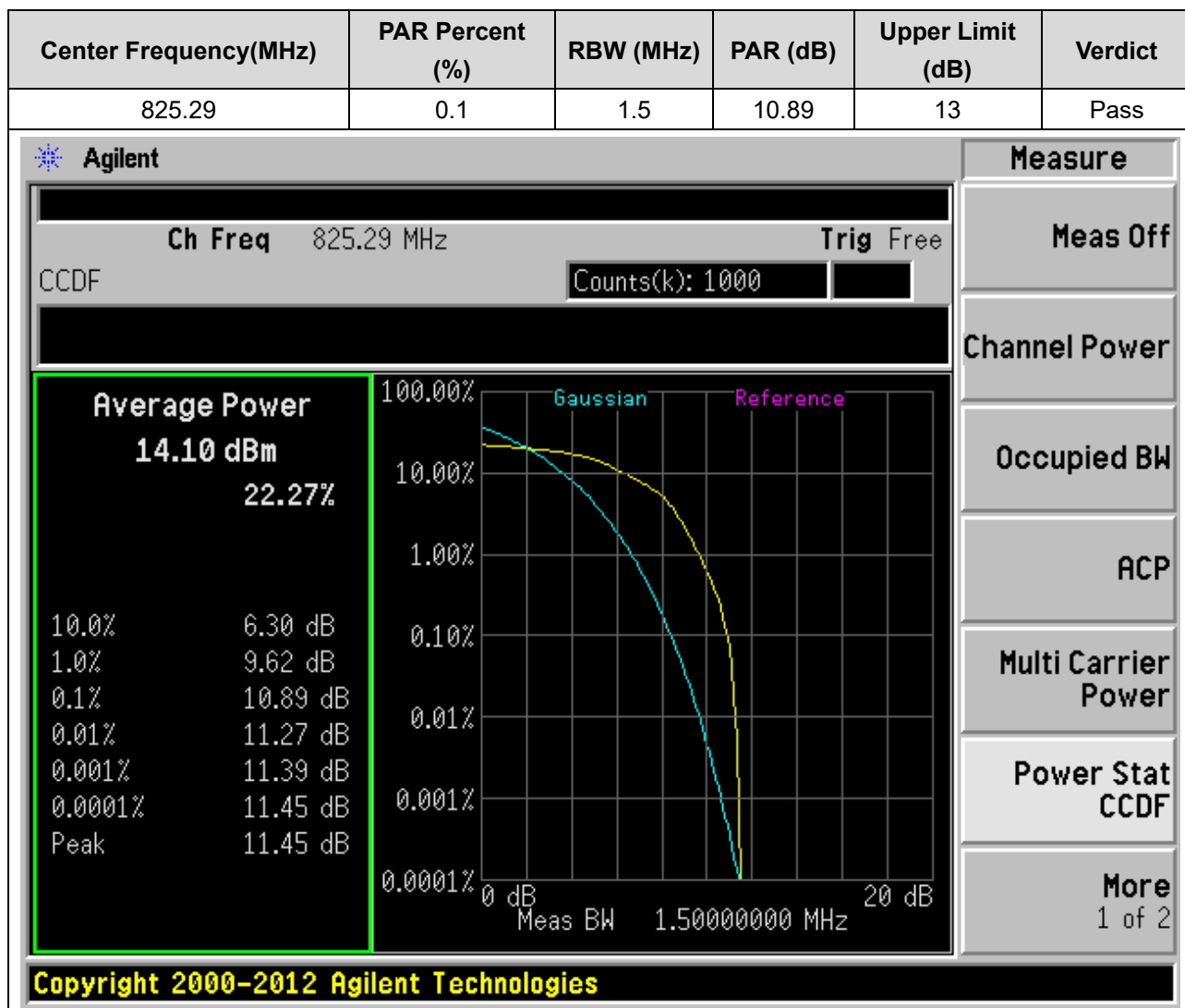
1.6. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23965, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)



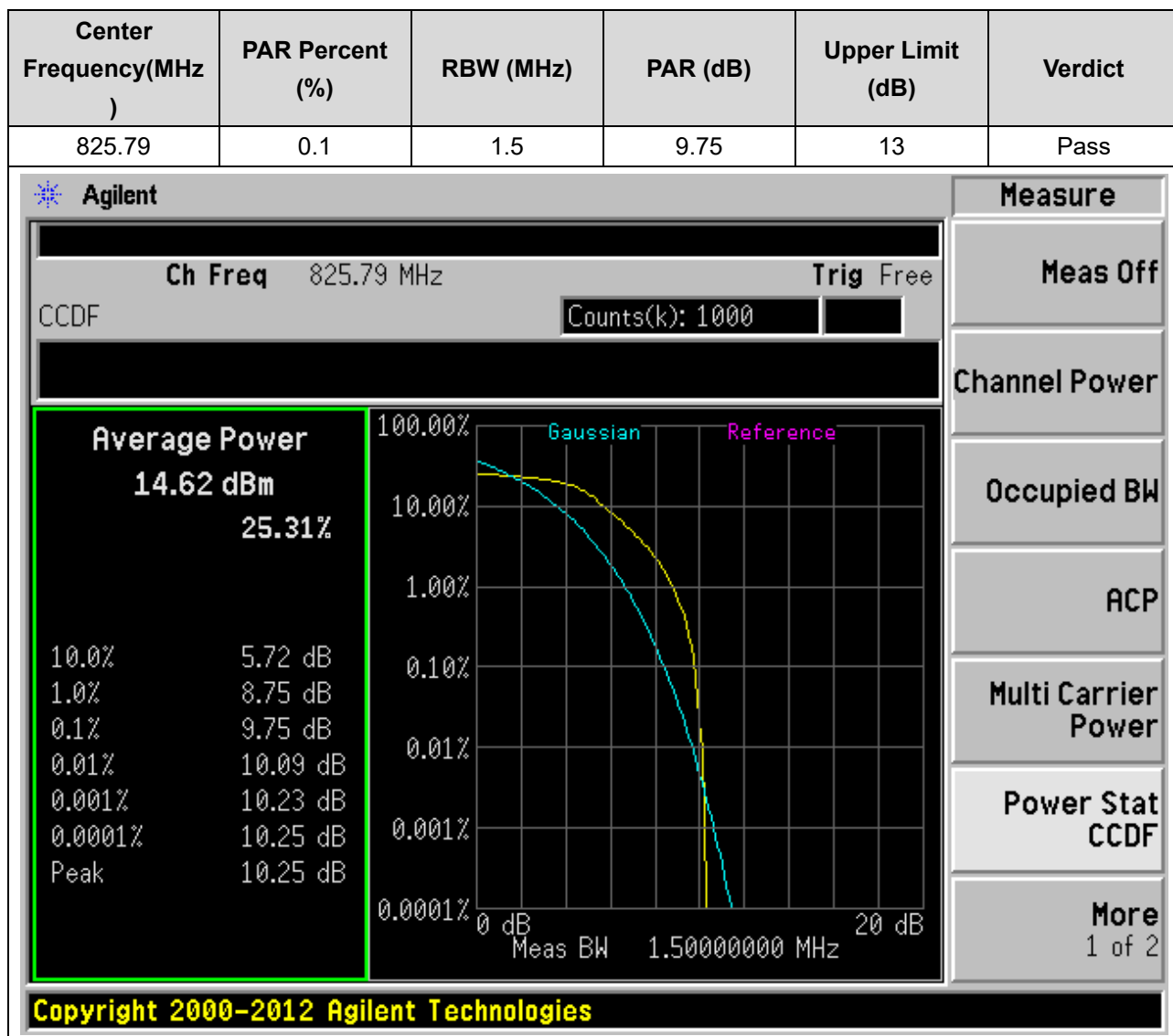
1.7. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23970, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)



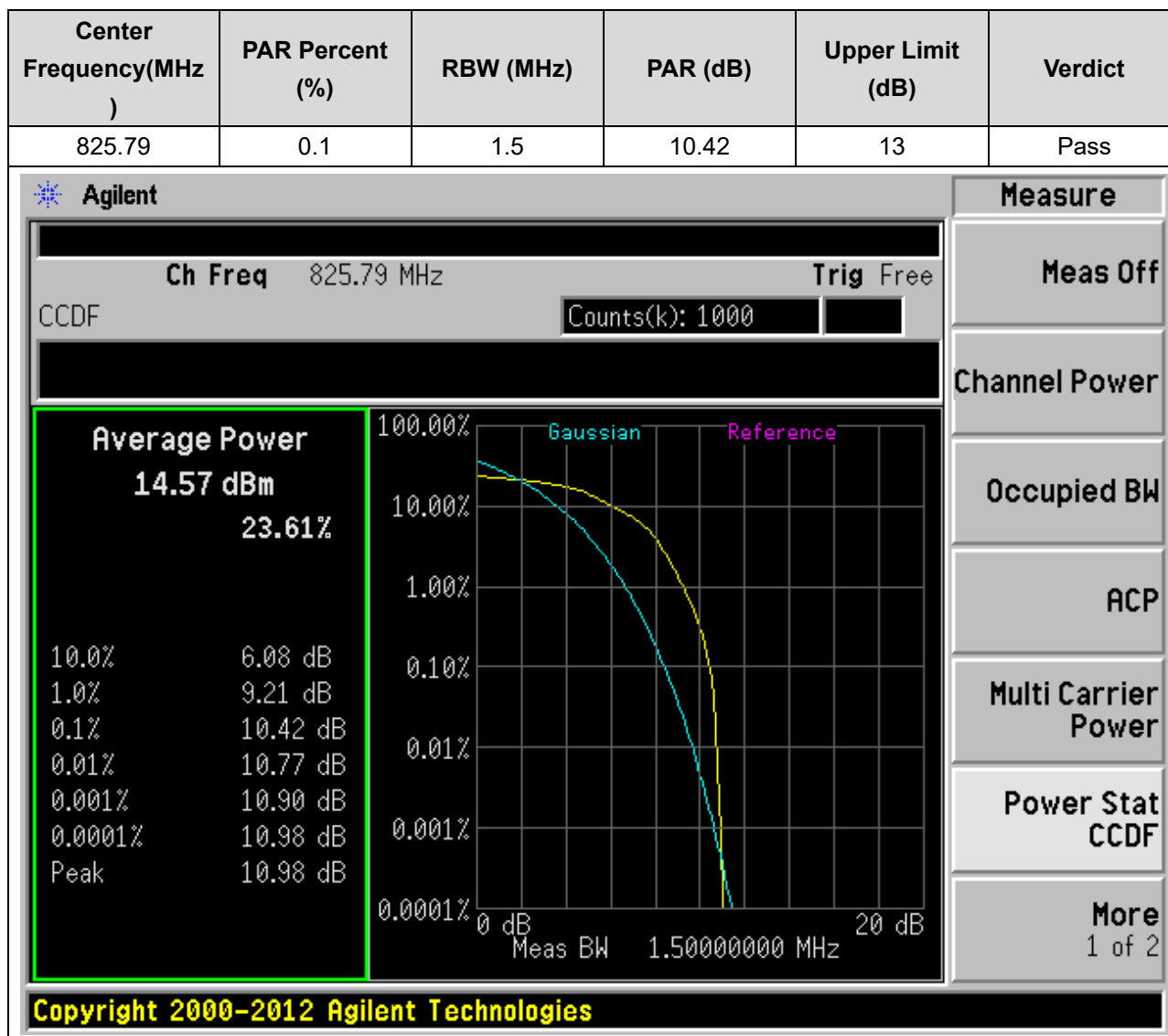
1.8. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23970, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)



1.9. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23975, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)

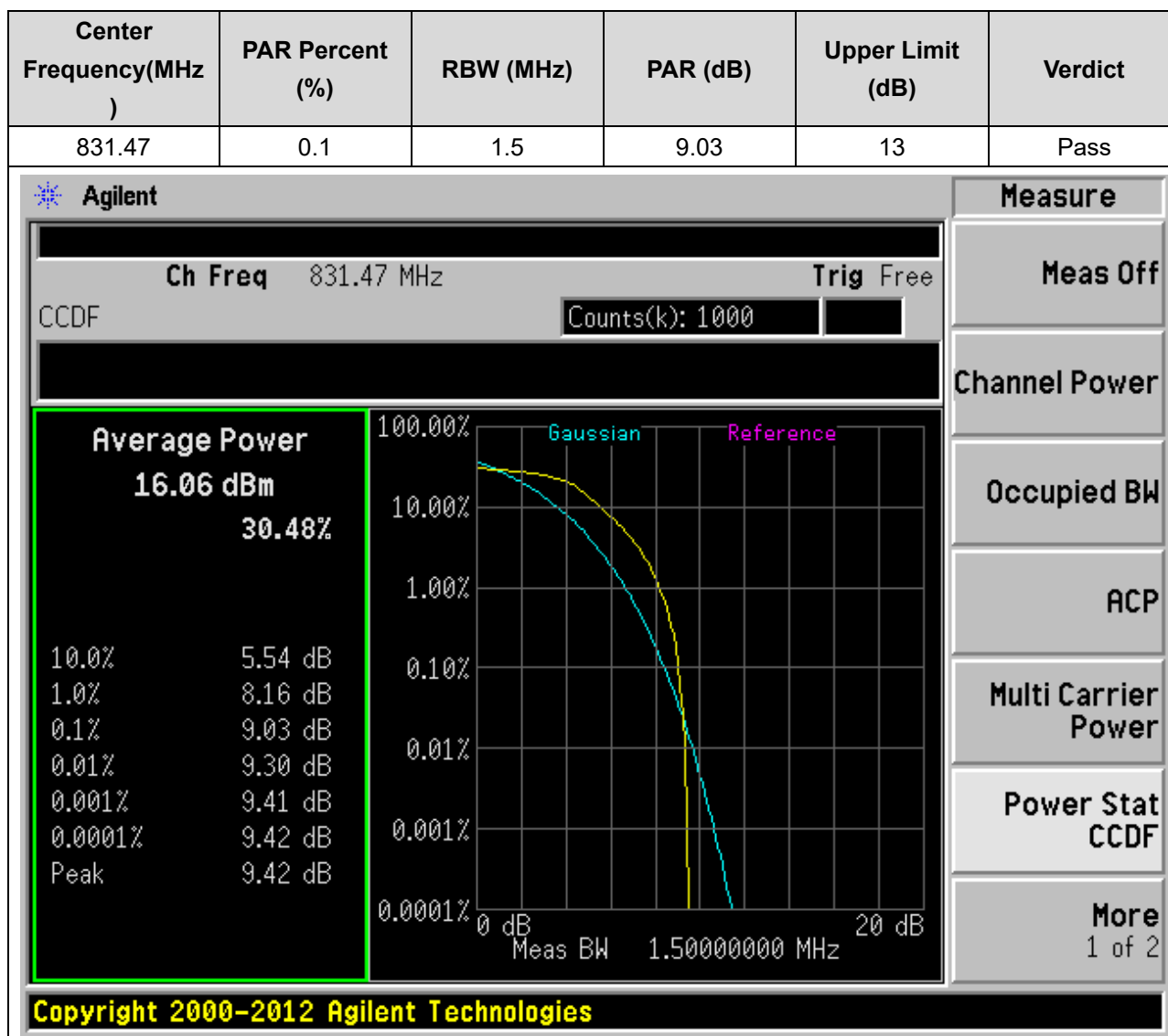


1.10. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23975, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)

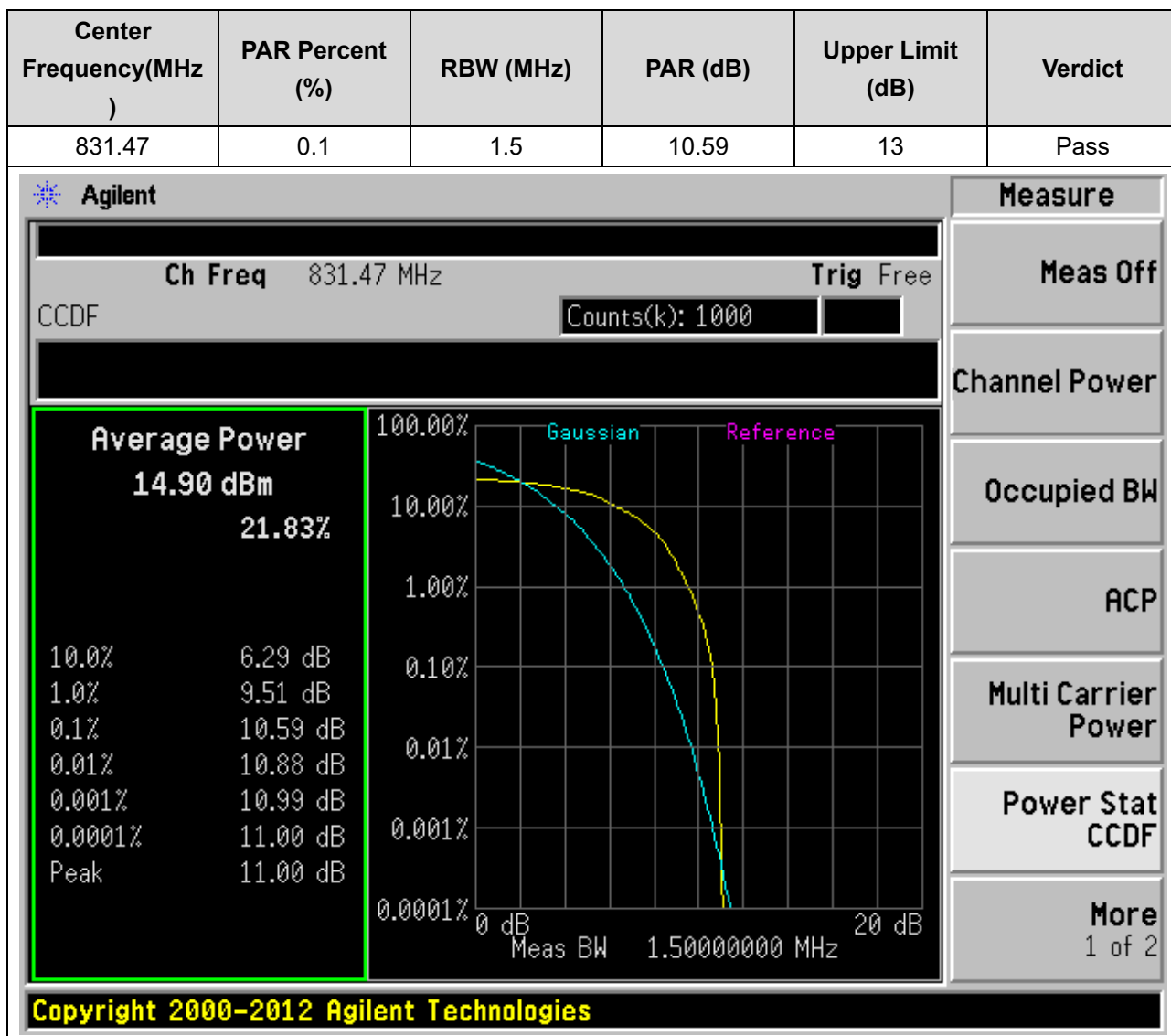


2. Cat-M_Band19

2.1. Cat-M Peak to Average Ratio_Part22-24-27(Channel:24075, Bandwidth:15, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)

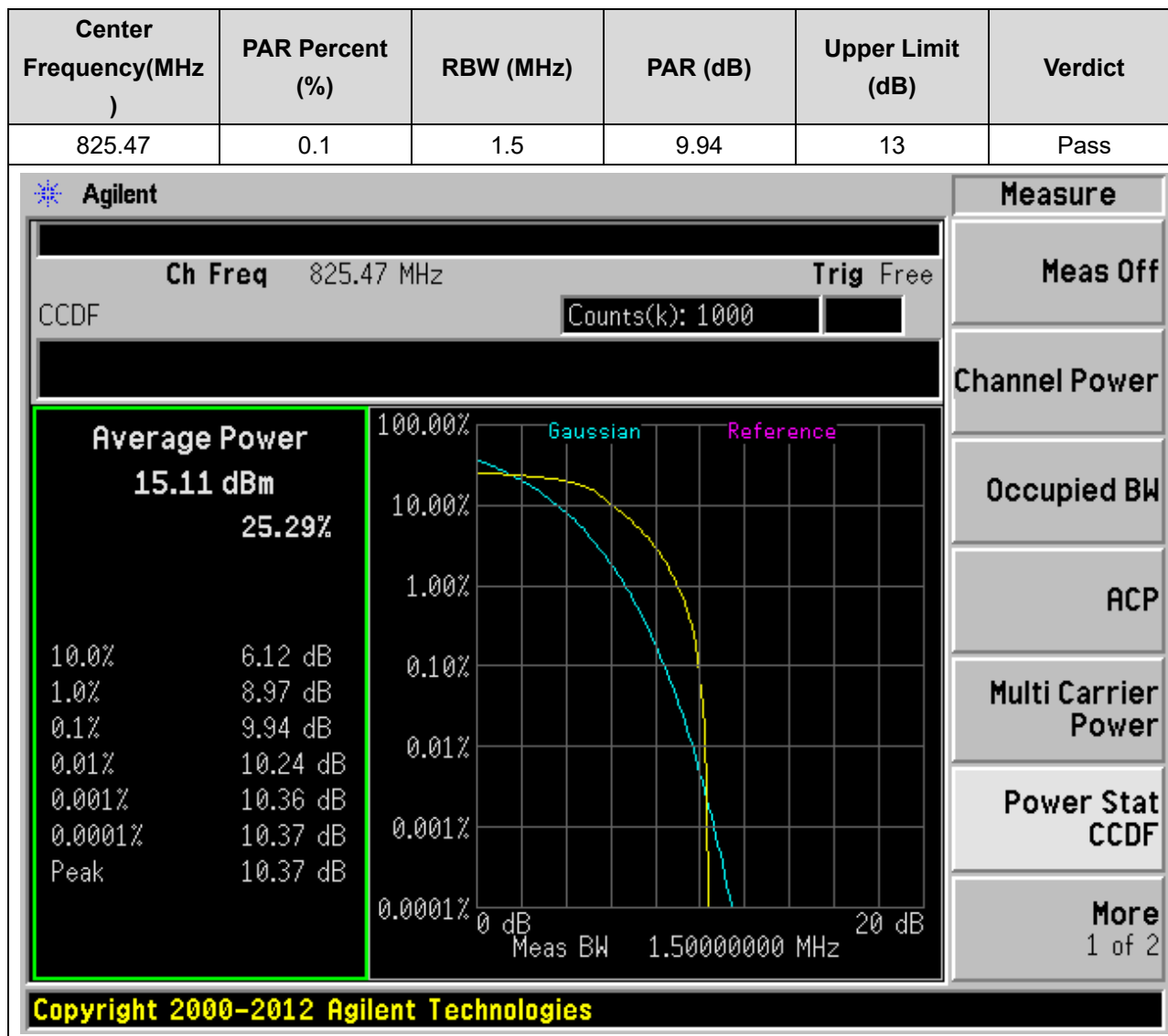


2.2. Cat-M Peak to Average Ratio_Part22-24-27(Channel:24075, Bandwidth:15, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)

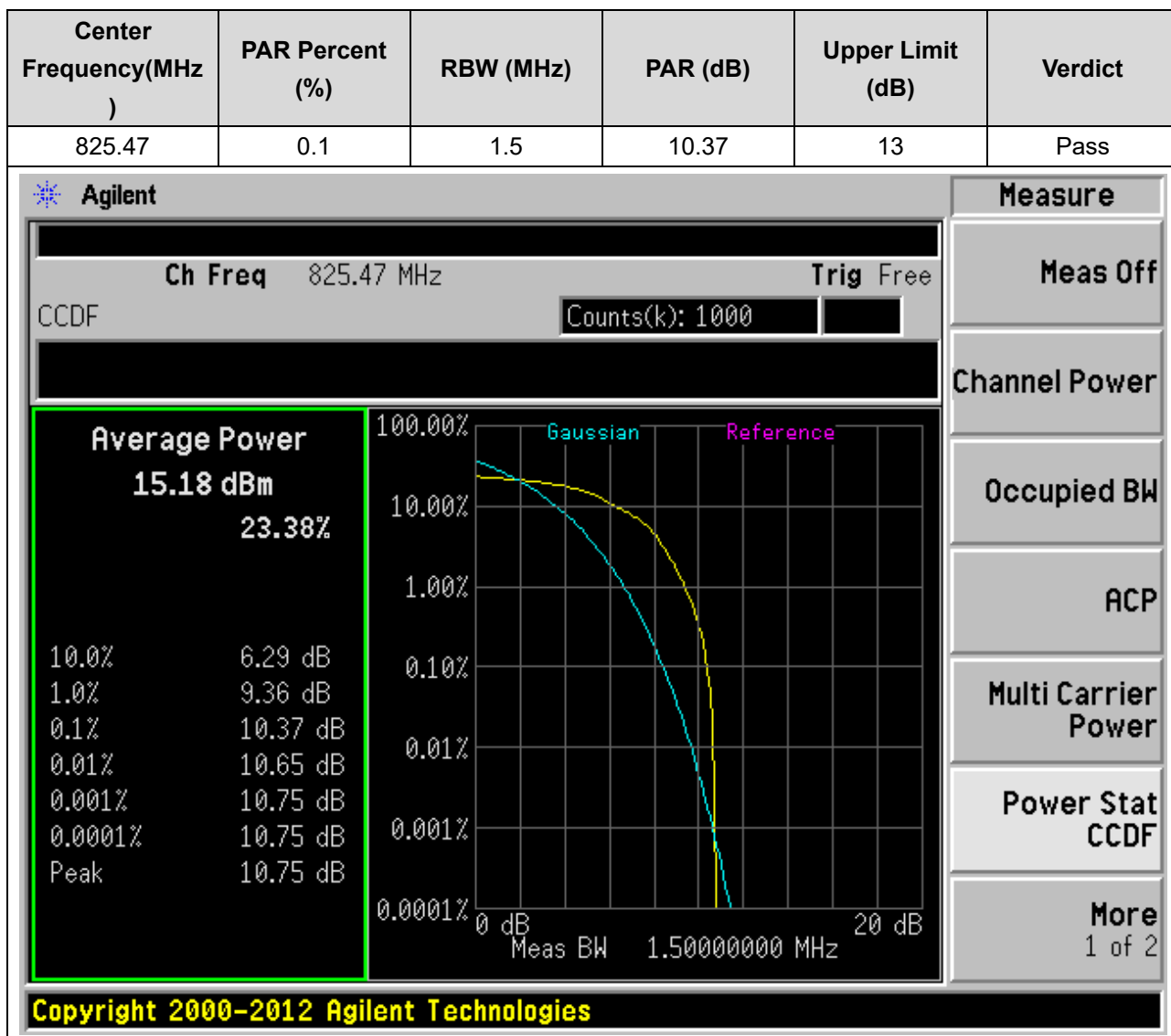


3. Cat-M_Band26(part22)

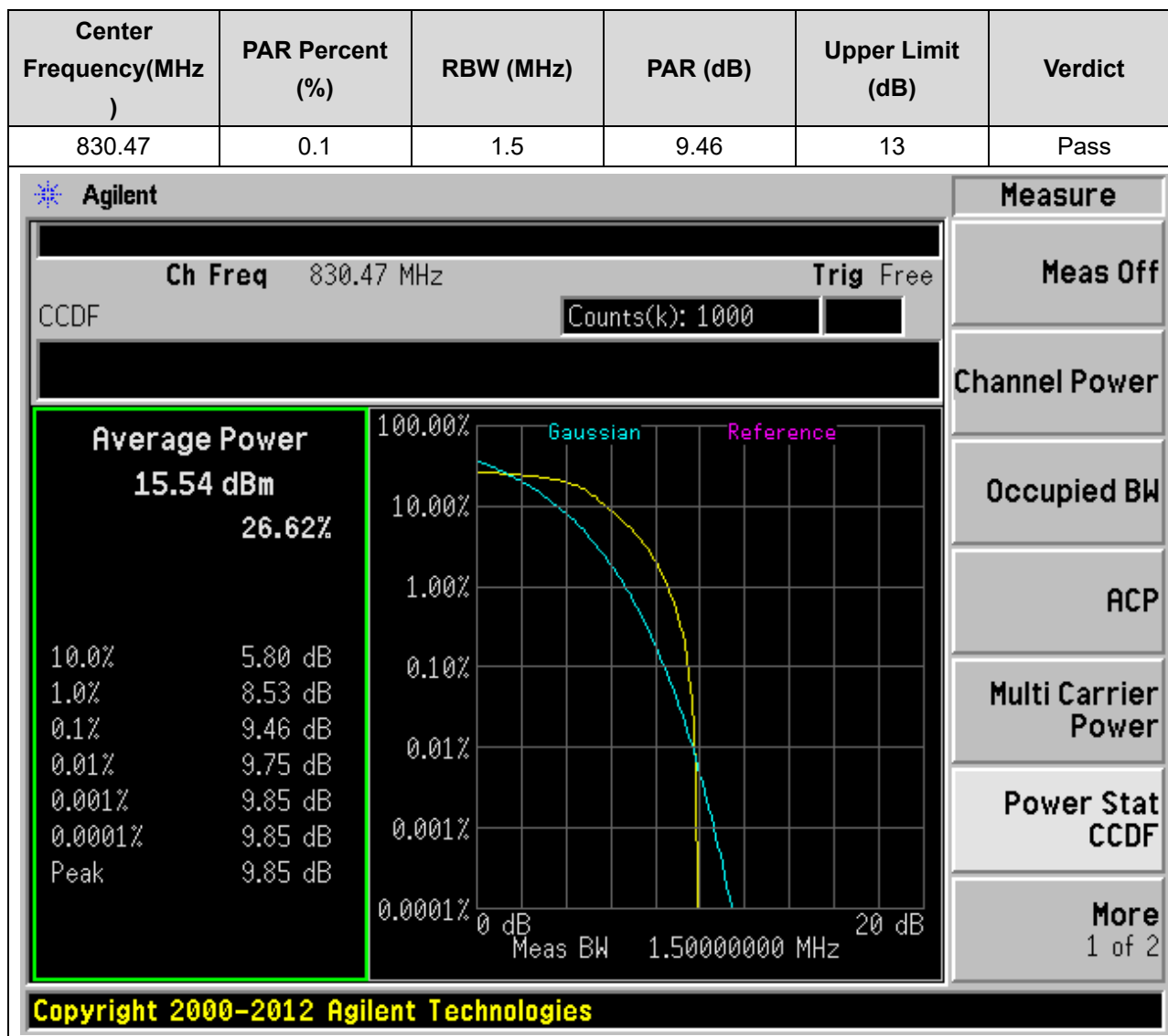
3.1. Cat-M Peak to Average Ratio_Part22-24-27(Channel:26865, Bandwidth:15, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)



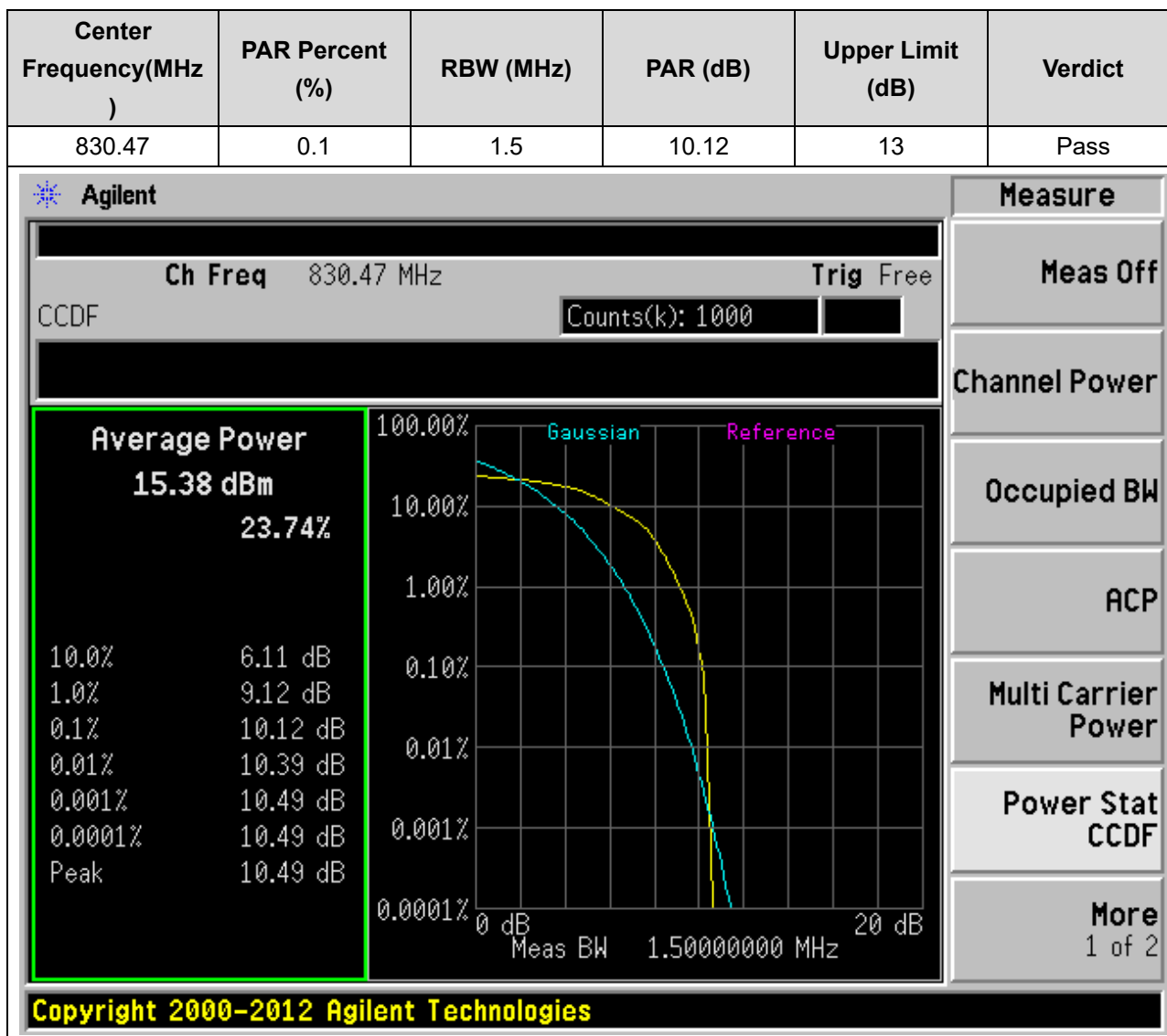
3.2. Cat-M Peak to Average Ratio_Part22-24-27(Channel:26865, Bandwidth:15, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)



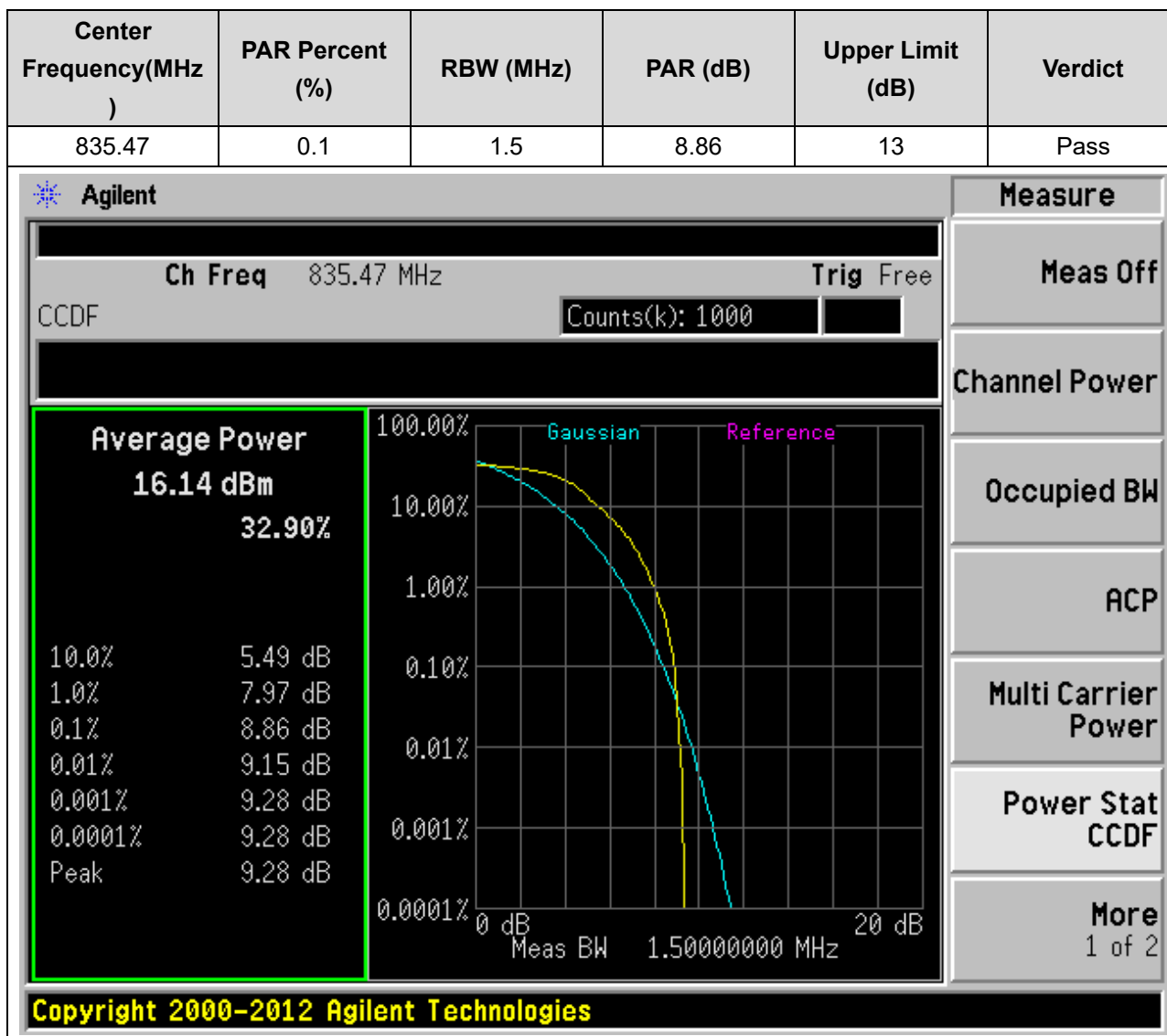
3.3. Cat-M Peak to Average Ratio_Part22-24-27(Channel:26915, Bandwidth:15, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)



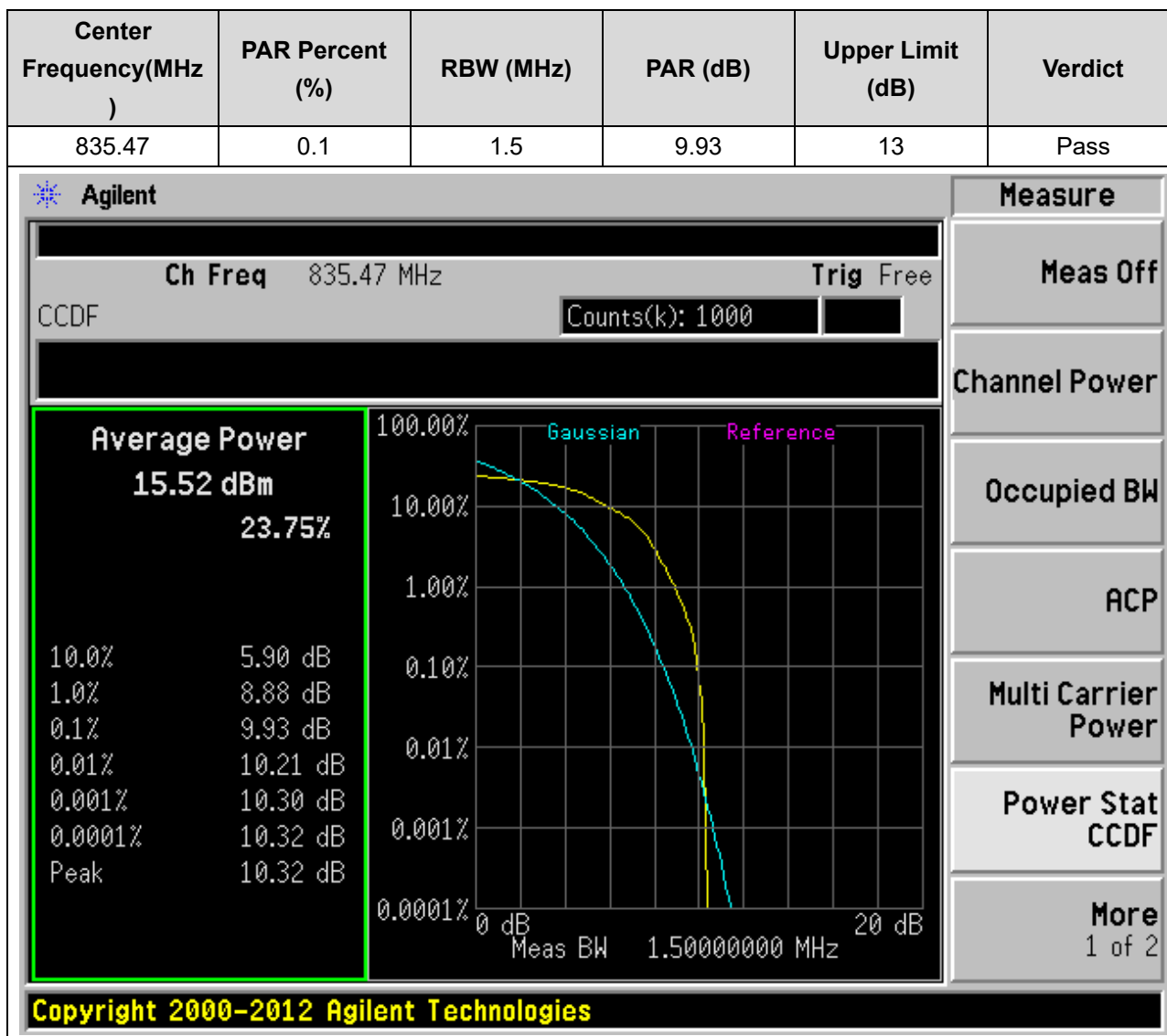
3.4. Cat-M Peak to Average Ratio_Part22-24-27(Channel:26915, Bandwidth:15, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)



3.5. Cat-M Peak to Average Ratio_Part22-24-27(Channel:26965, Bandwidth:15, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)

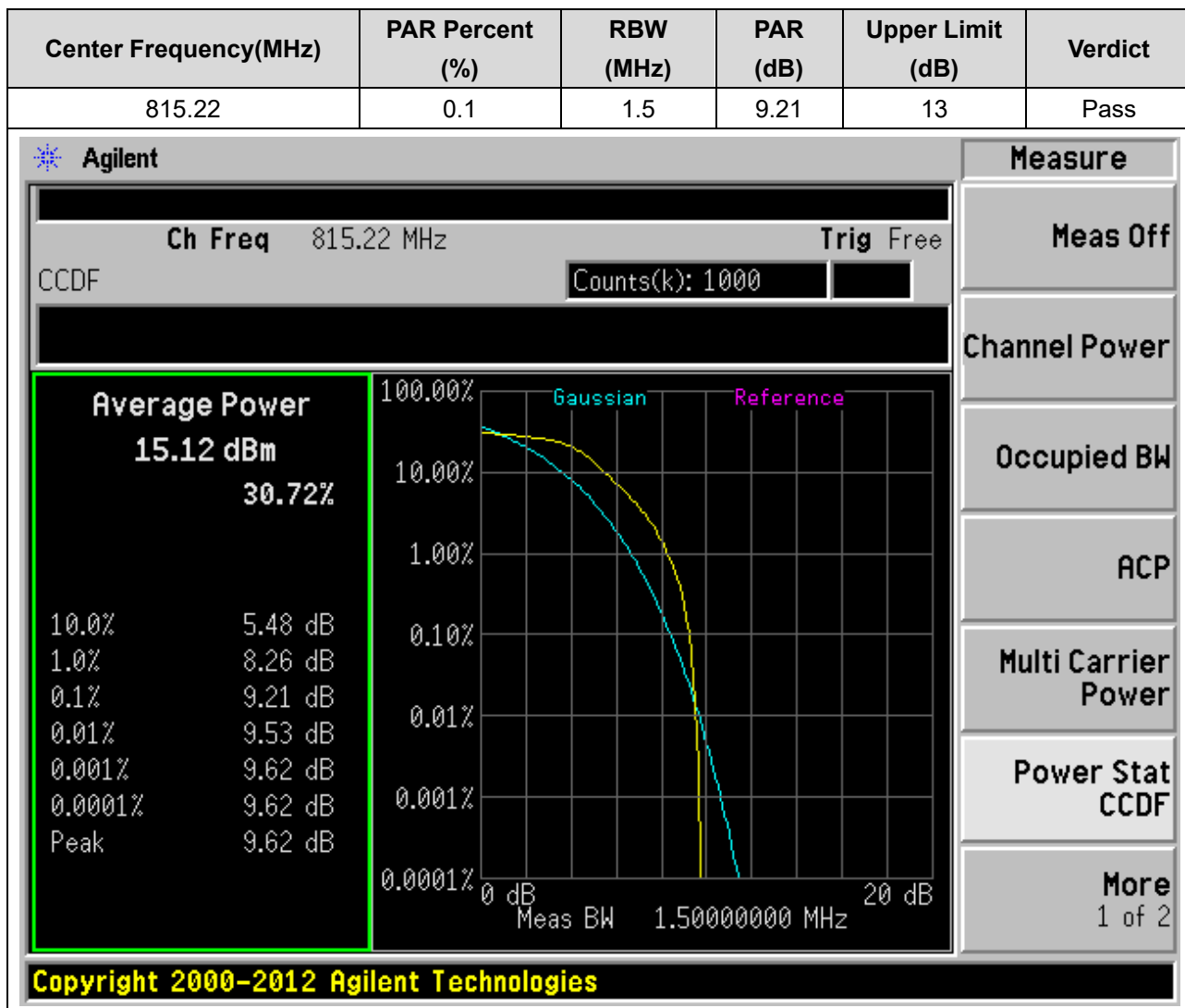


3.6. Cat-M Peak to Average Ratio_Part22-24-27(Channel:26965, Bandwidth:15, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)

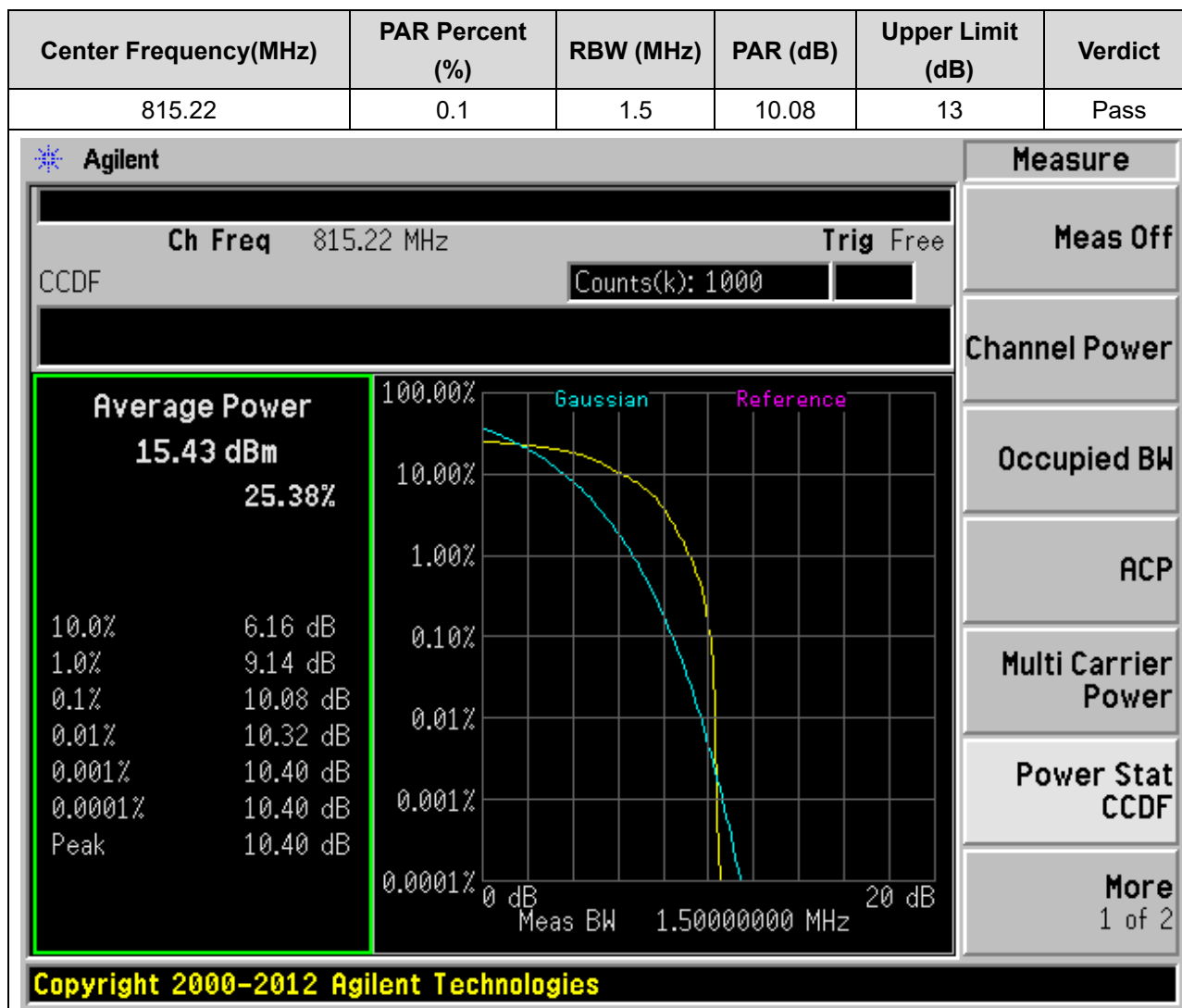


1. Cat-M_Band26(part90)

1.1. Cat-M Peak to Average Ratio_Part90(Channel:26740, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)

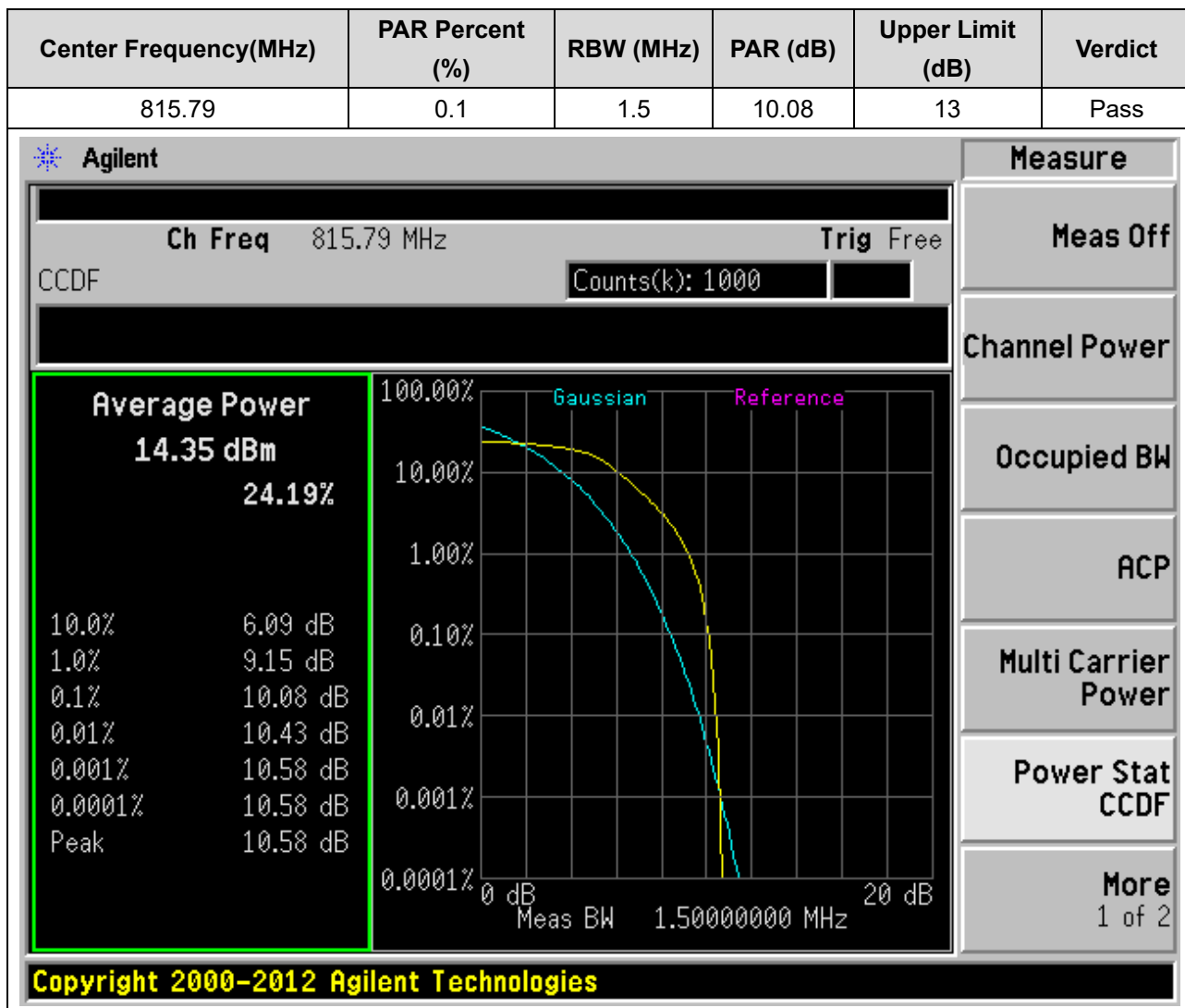


1.2. Cat-M Peak to Average Ratio_Part90(Channel:26740, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)

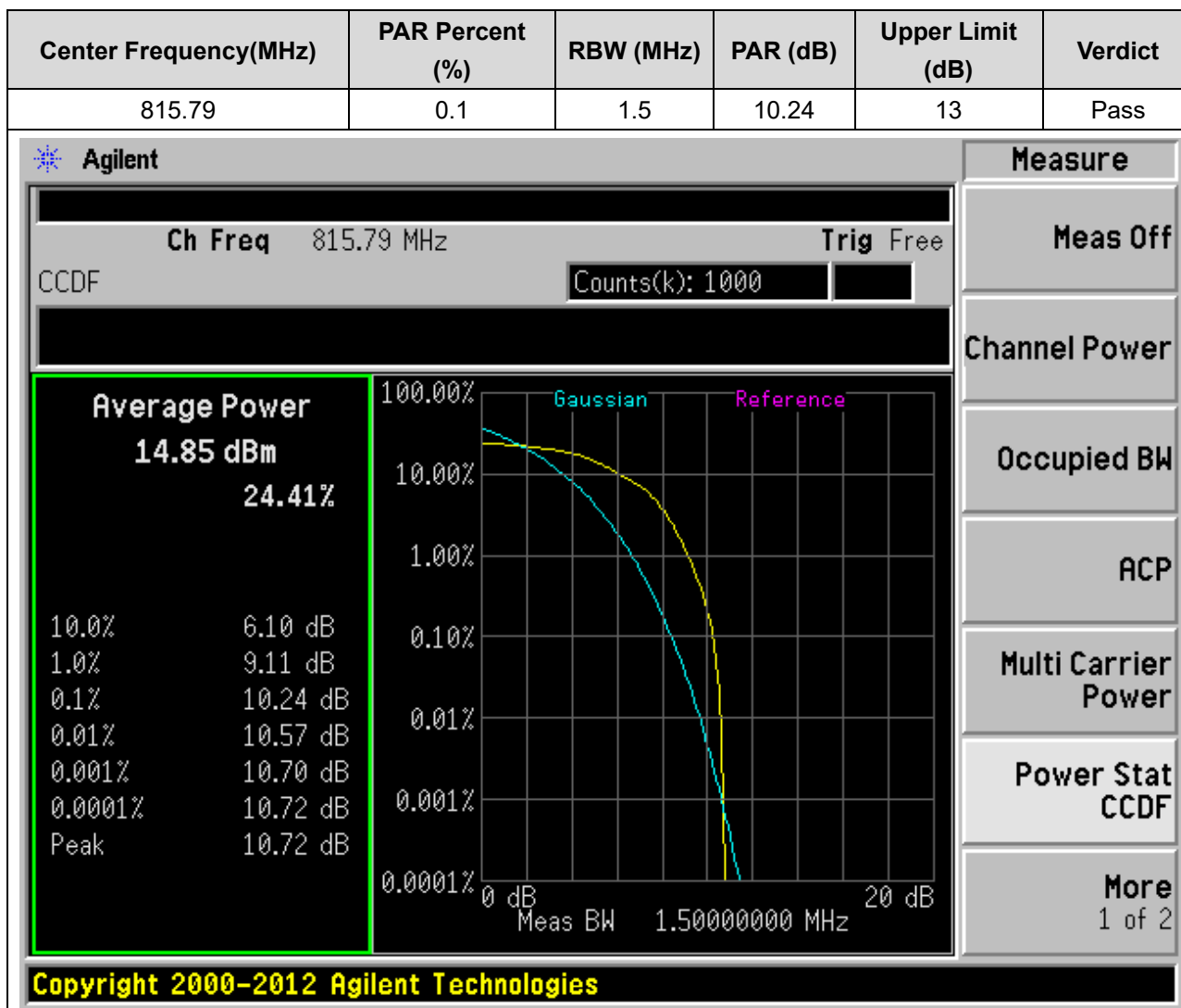


2. Cat-M_Band18(part90)

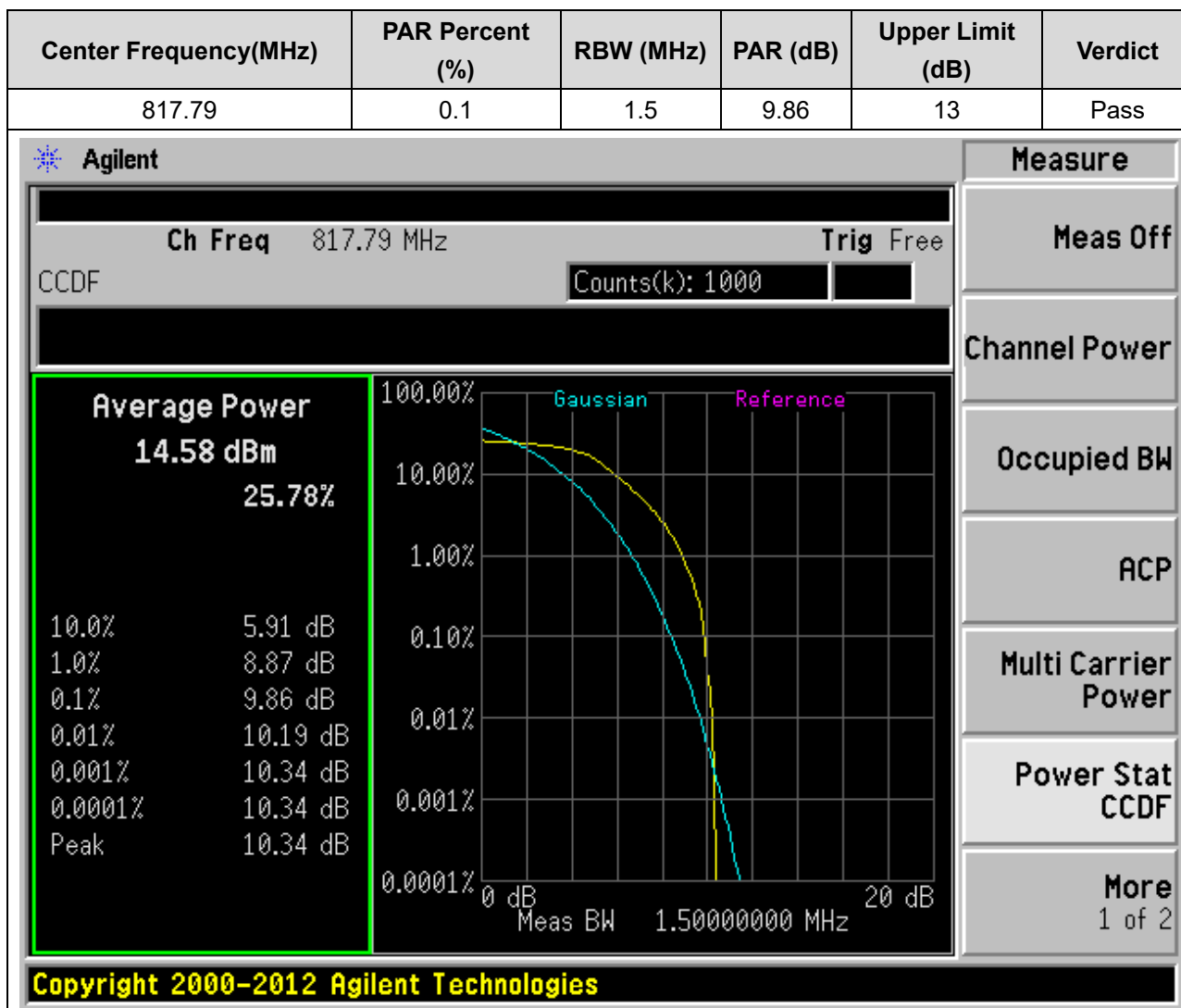
2.1. Cat-M Peak to Average Ratio_Part90(Channel:23875, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)



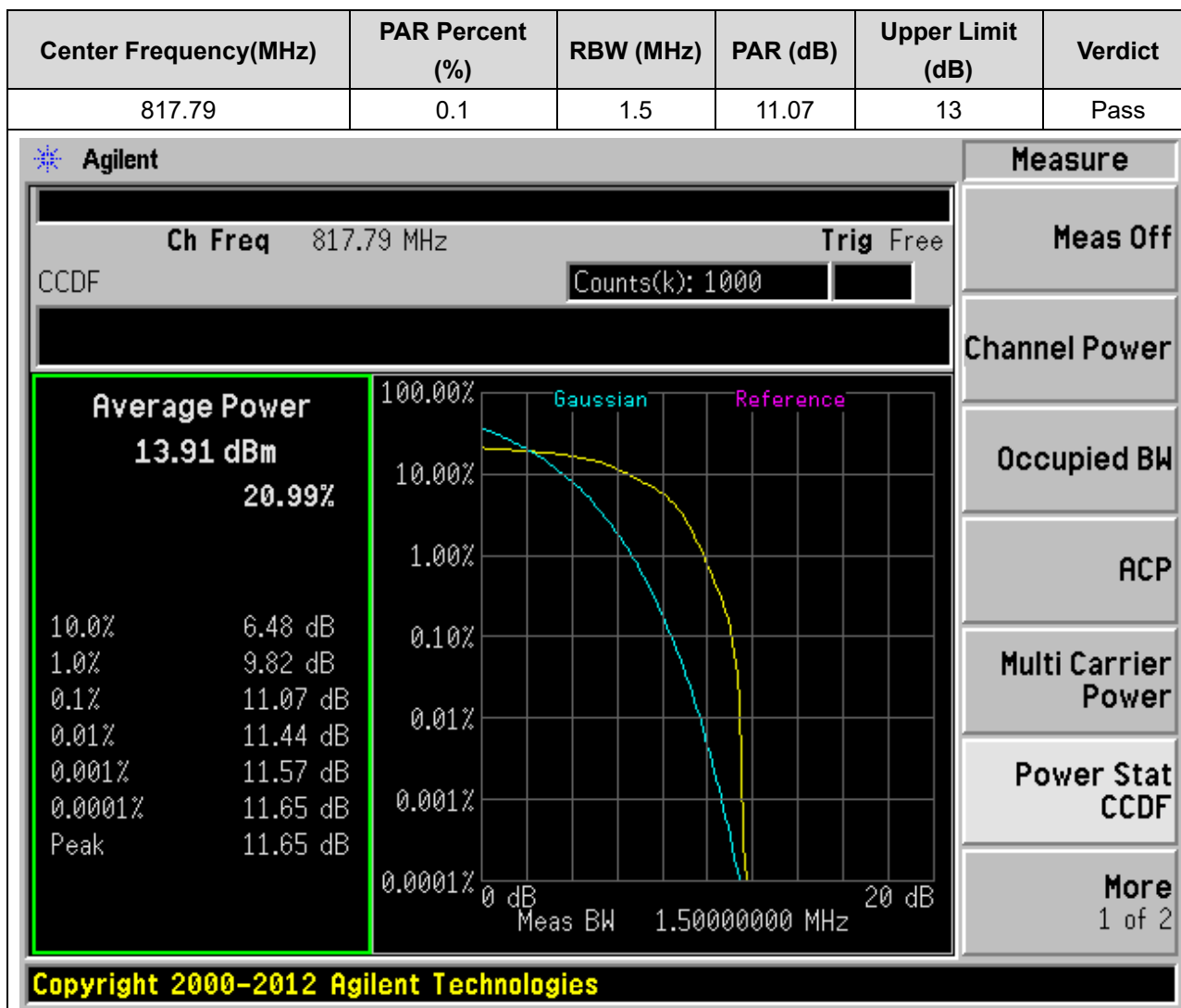
2.2. Cat-M Peak to Average Ratio_Part90(Channel:23875, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)



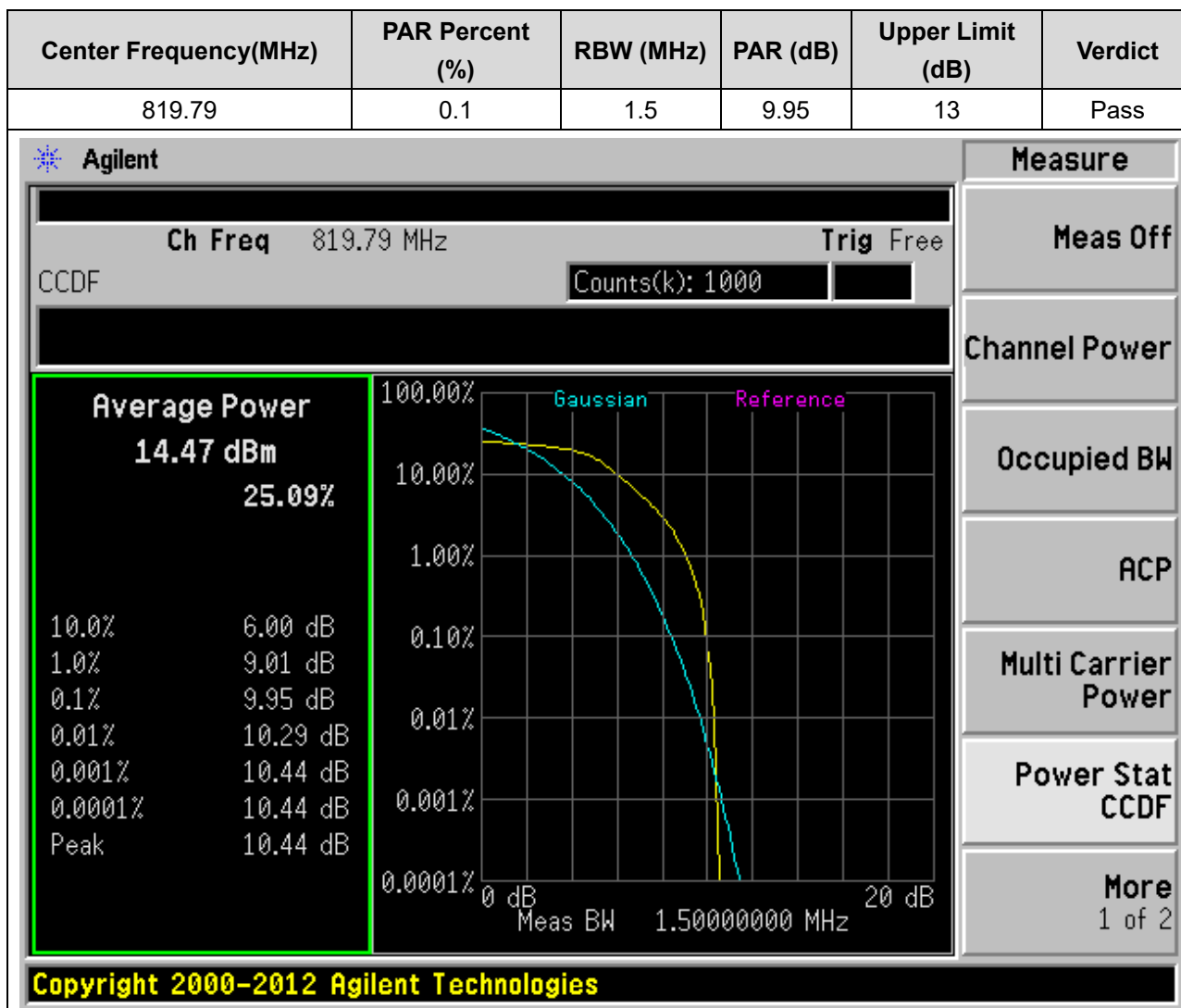
2.3. Cat-M Peak to Average Ratio_Part90(Channel:23895, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)



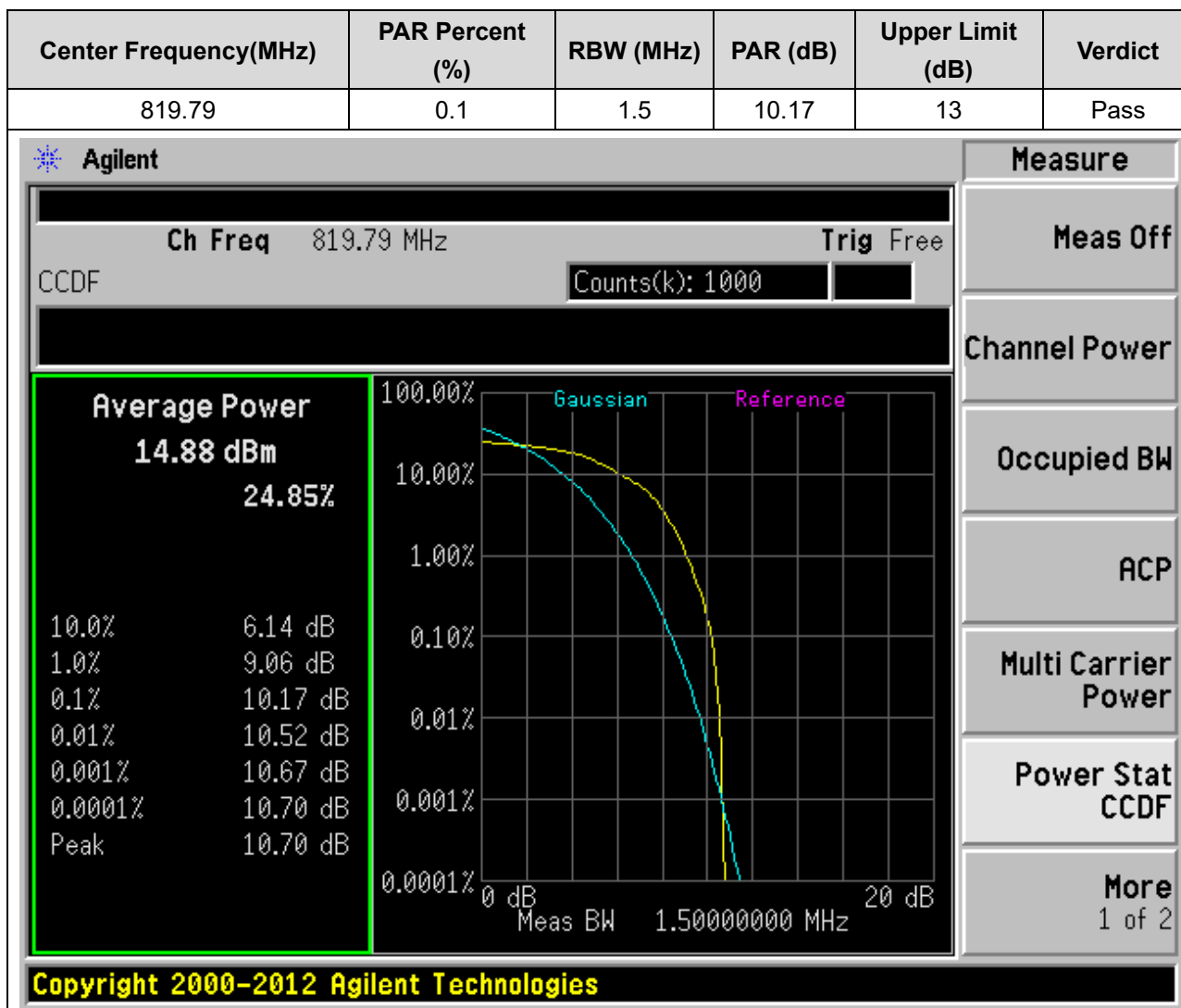
2.4. Cat-M Peak to Average Ratio_Part90(Channel:23895, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)



2.5. Cat-M Peak to Average Ratio_Part90(Channel:23915, Bandwidth:5, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)

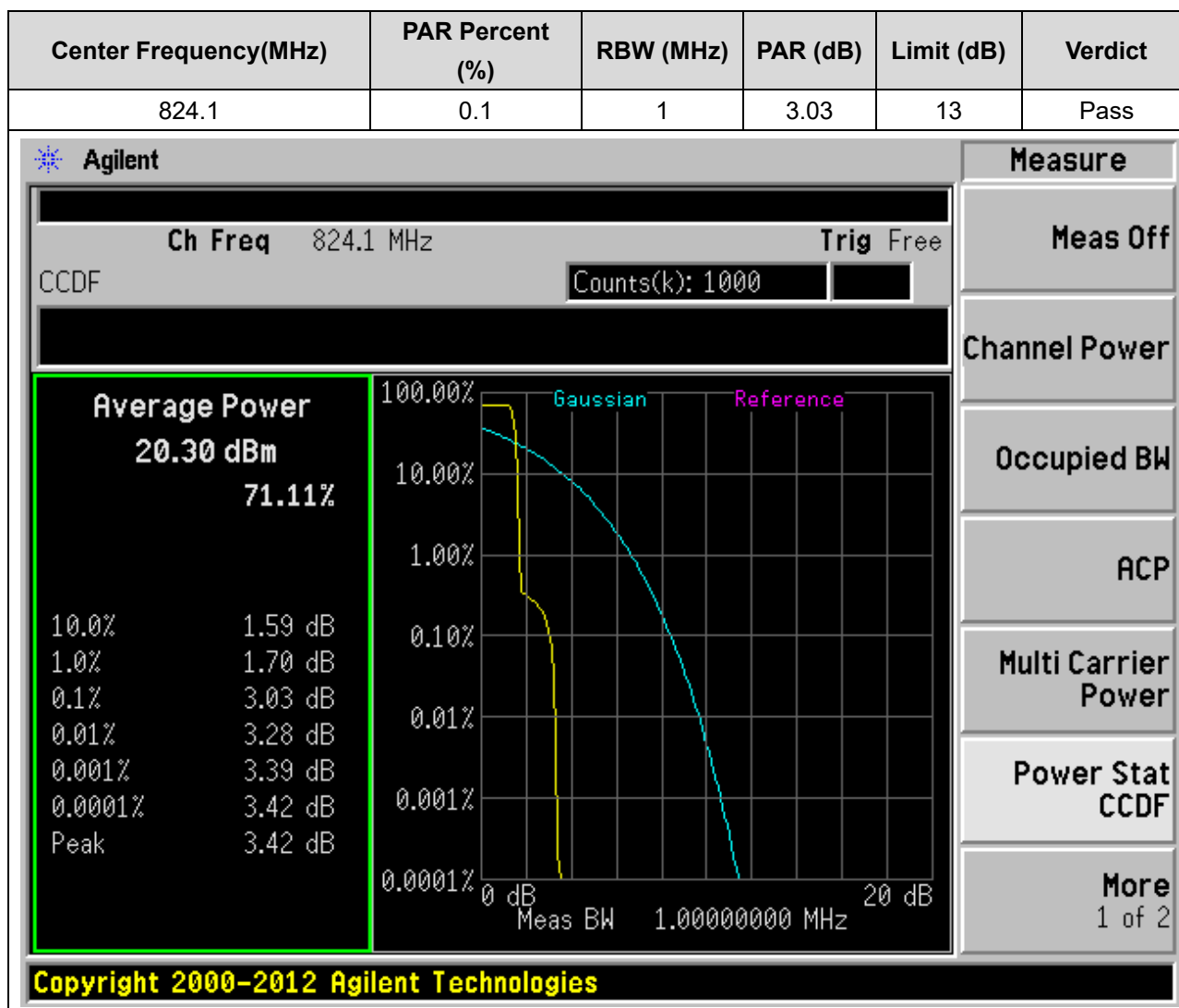


2.6. Cat-M Peak to Average Ratio_Part90(Channel:23915, Bandwidth:5, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)



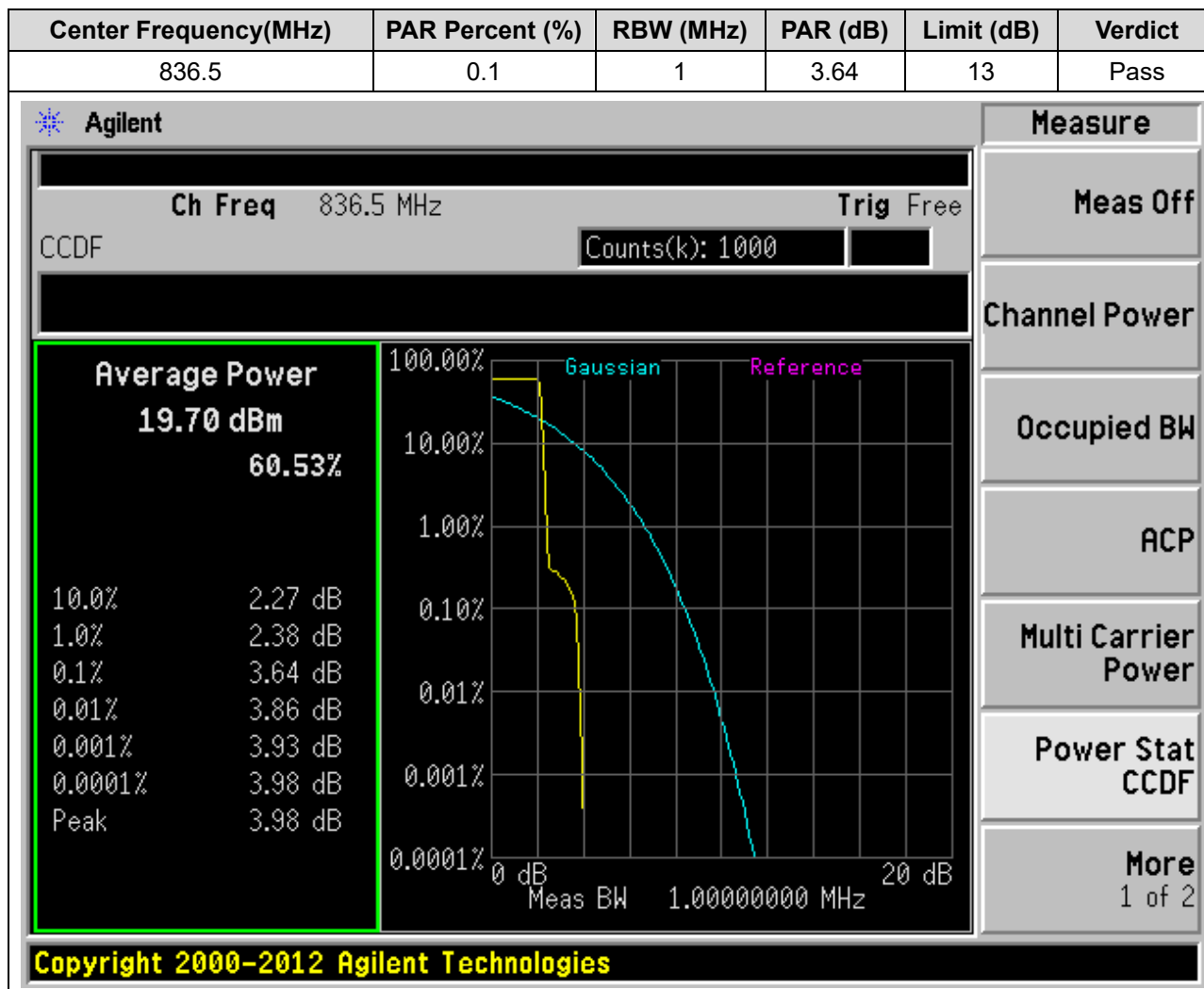
1. NB-IoT_Band26(part22)_BPSK_3.75kHz_1@0_Low

1.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



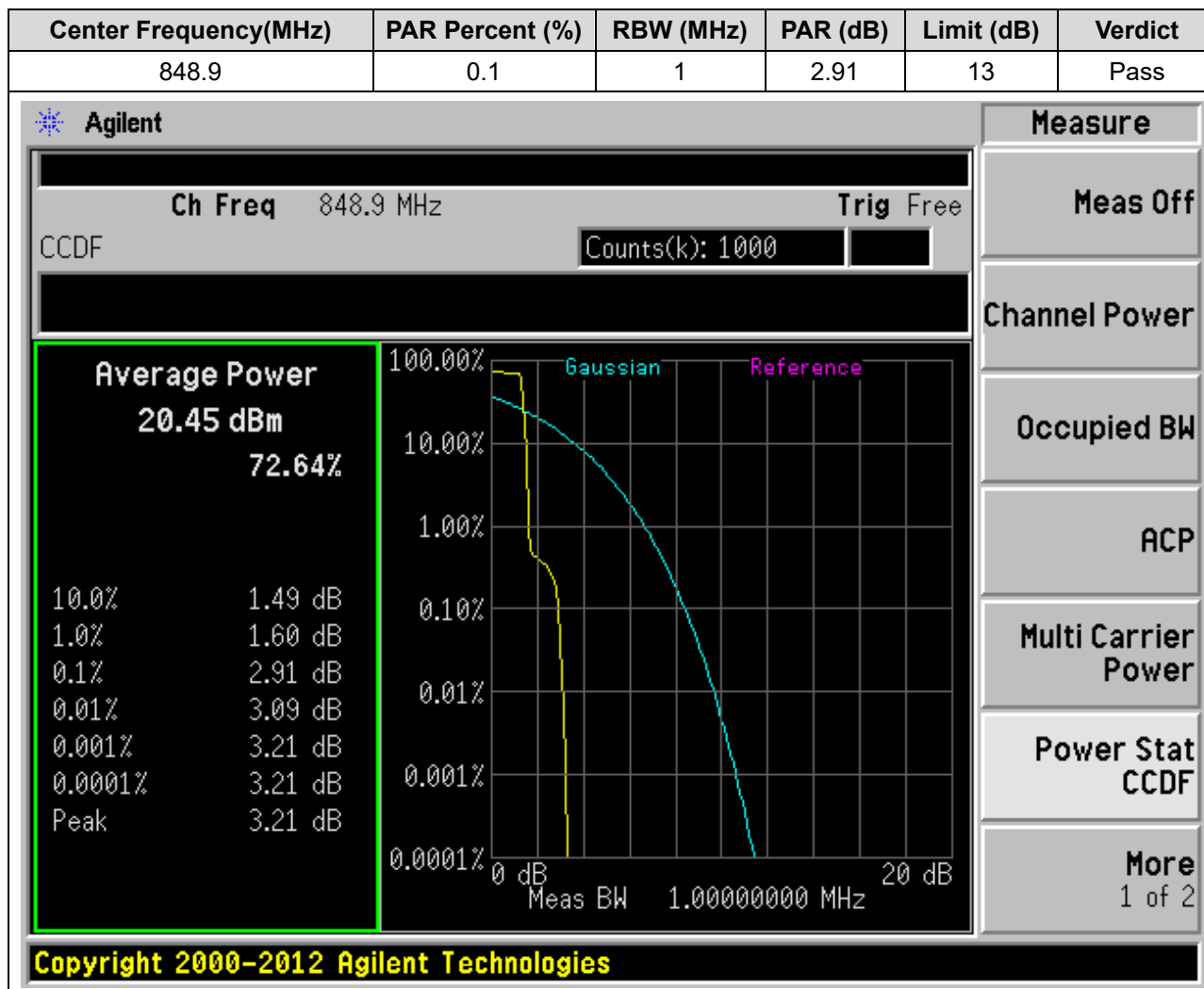
2. NB-IoT_Band26(part22)_BPSK_3.75kHz_1@0_Mid

2.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



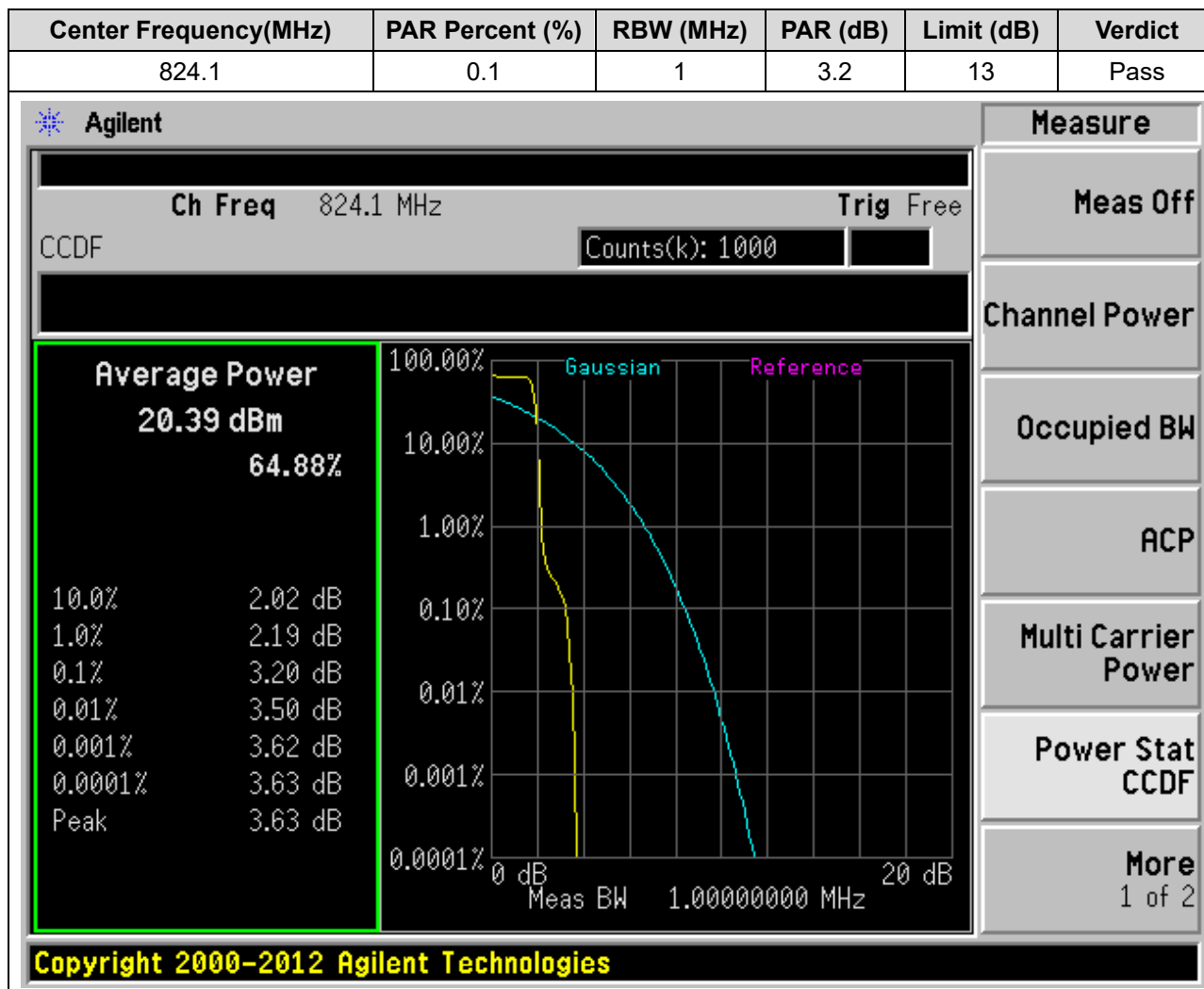
3. NB-IoT_Band26(part22)_BPSK_3.75kHz_1@0_High

3.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



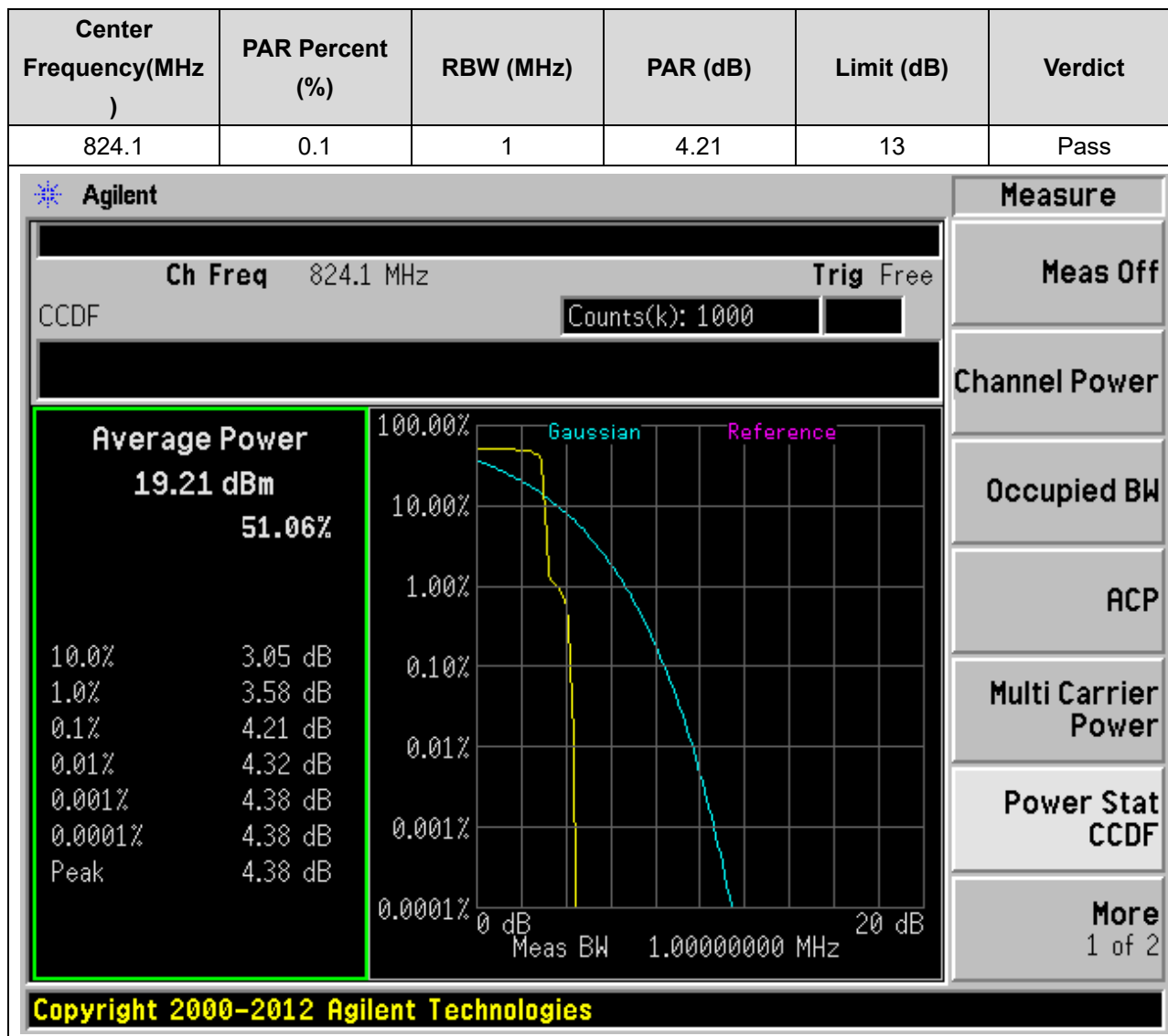
4. NB-IoT_Band26(part22)_QPSK_3.75kHz_1@0_Low

4.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



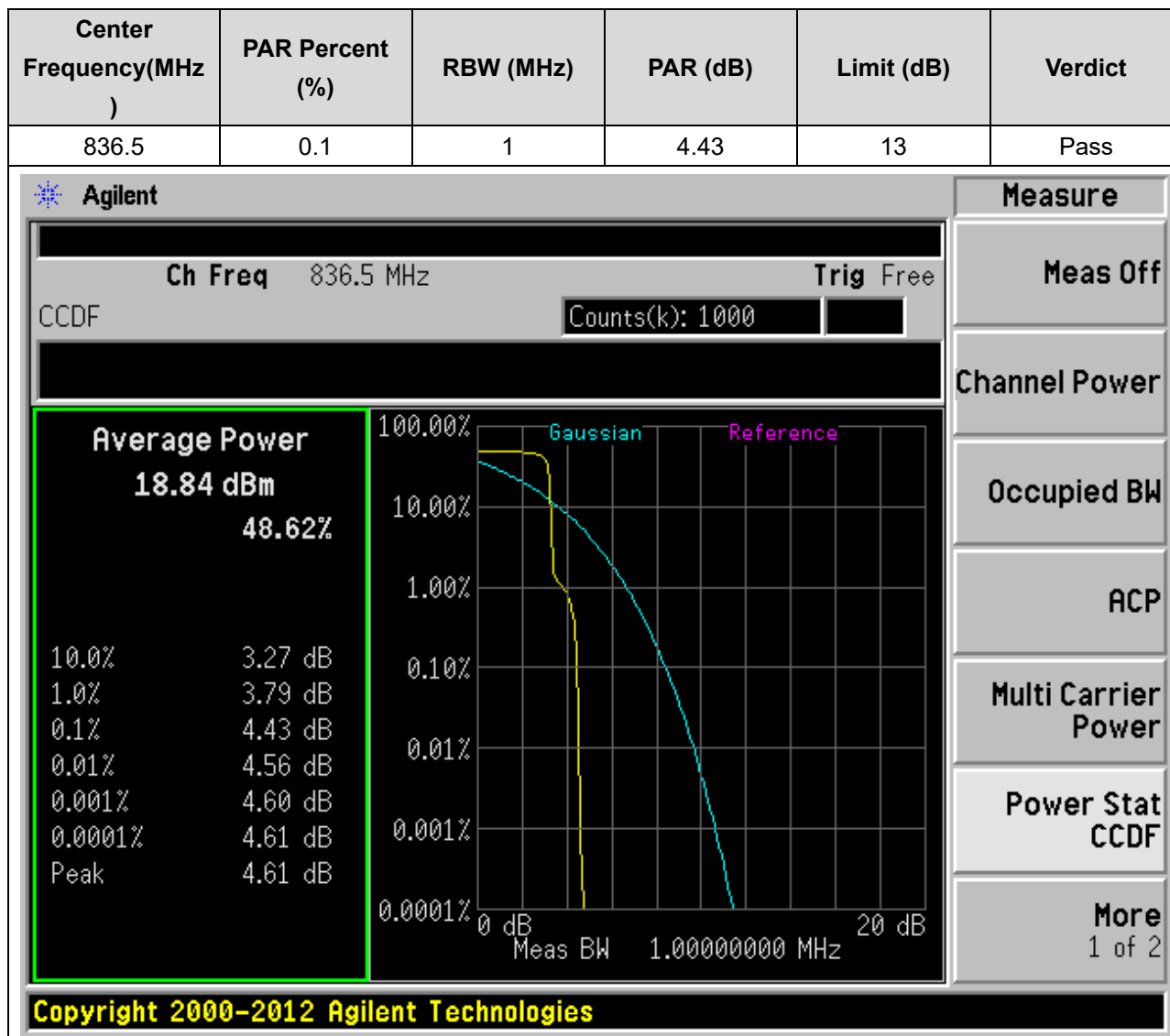
5. NB-IoT_Band26(part22)_BPSK_15kHz_1@0_Low

5.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



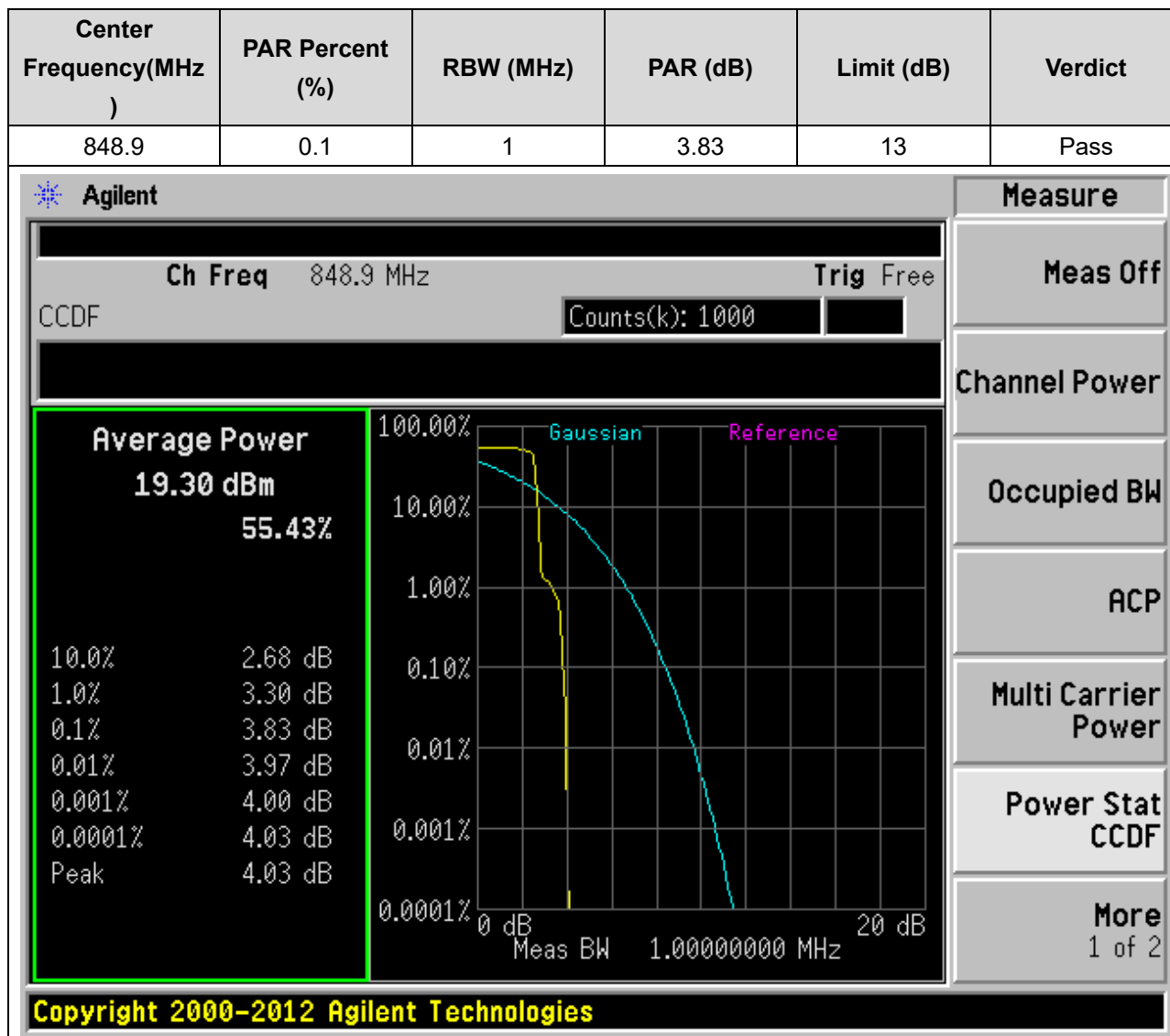
6. NB-IoT_Band26(part22)_BPSK_15kHz_1@0_Mid

6.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



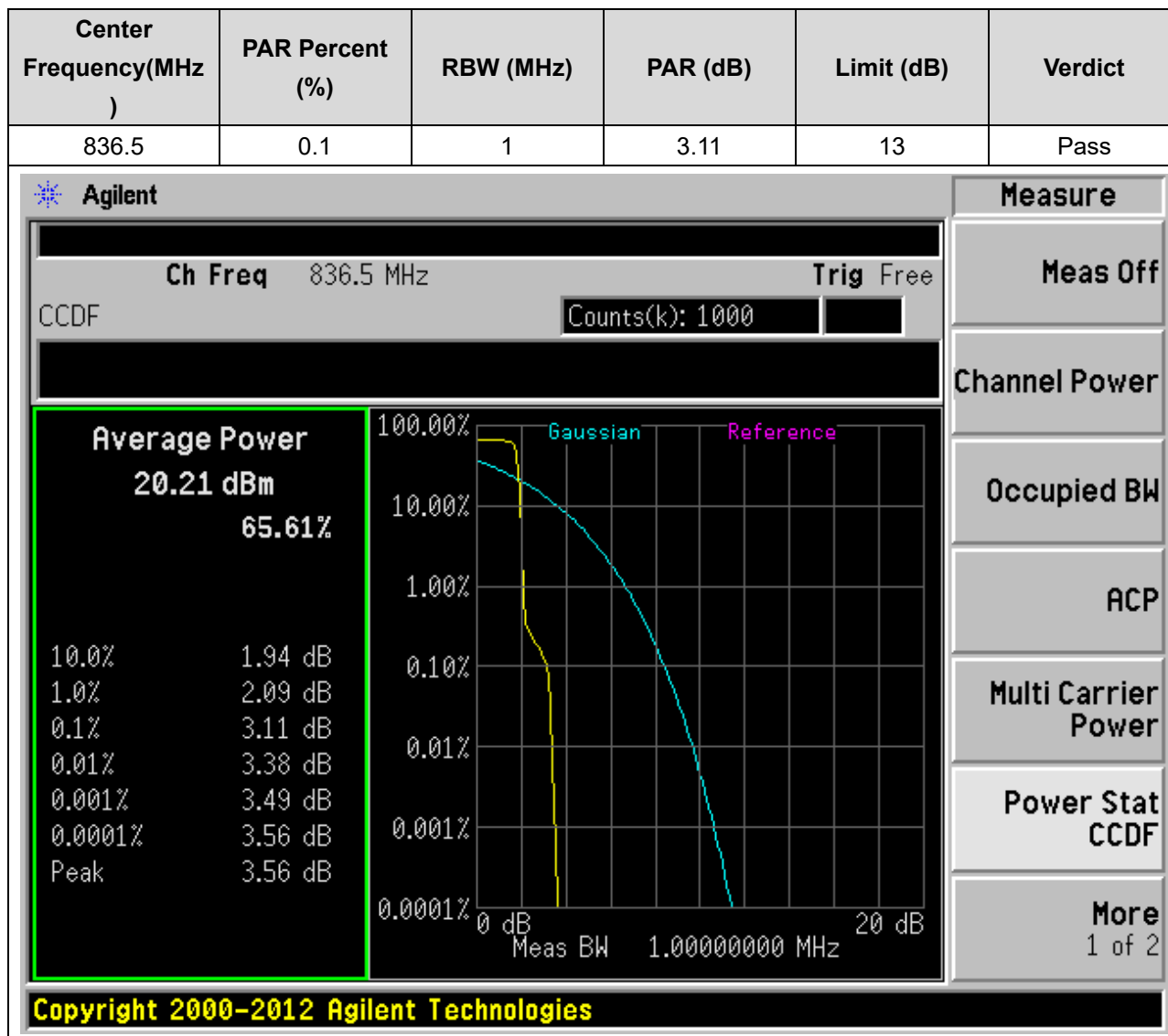
7. NB-IoT_Band26(part22)_BPSK_15kHz_1@0_High

7.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



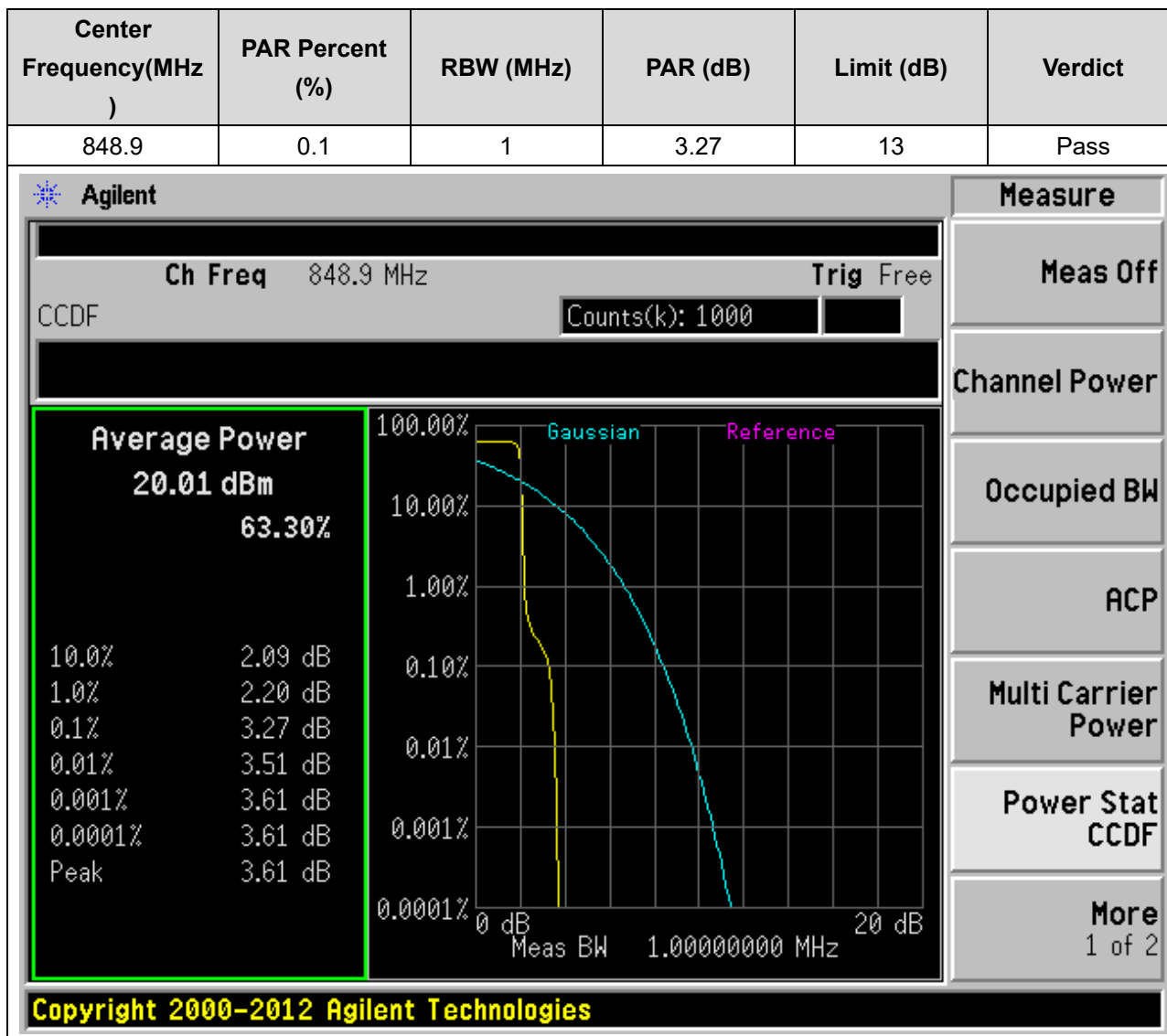
8. NB-IoT_Band26(part22)_QPSK_3.75kHz_1@0_Mid

8.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



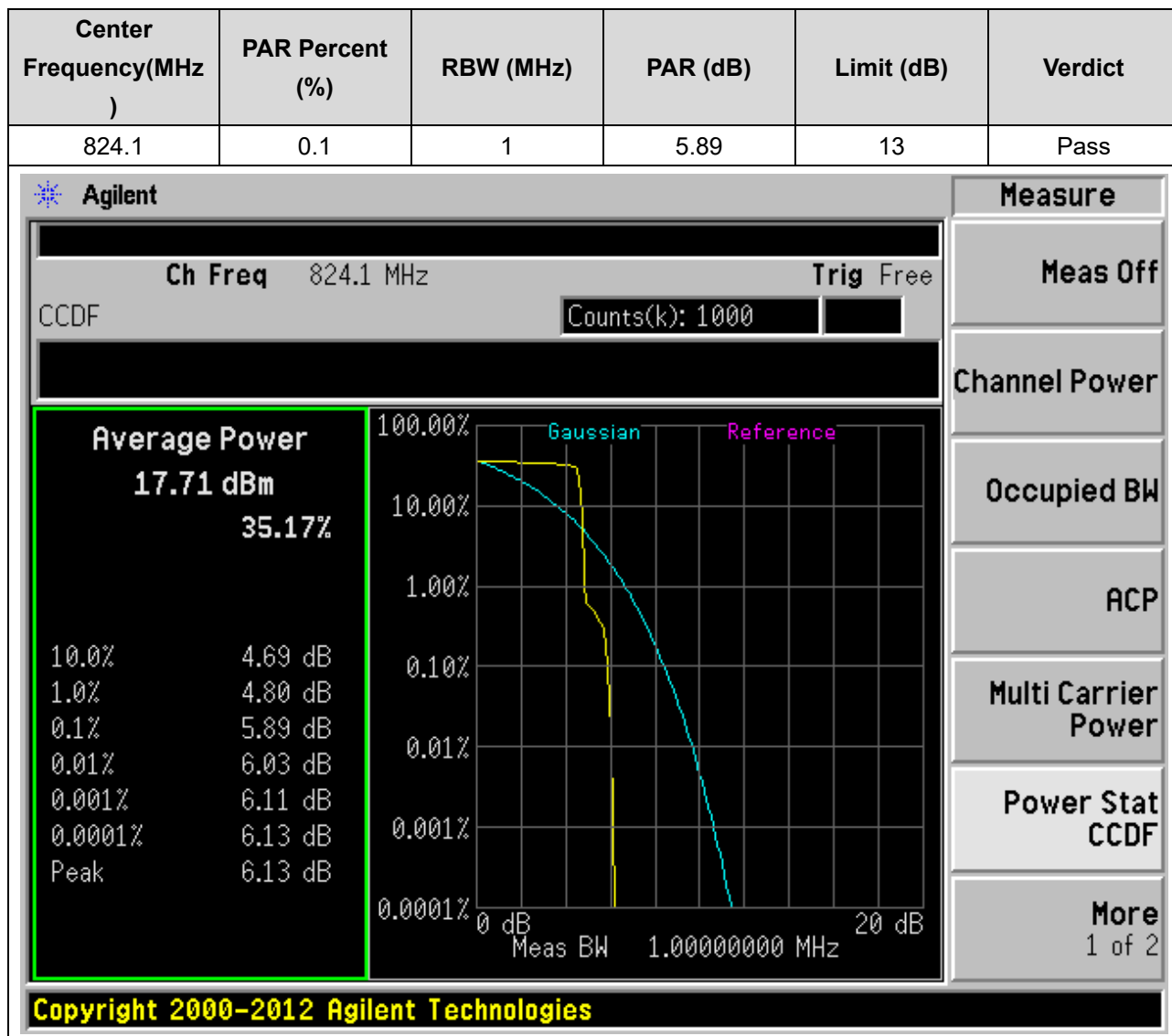
9. NB-IoT_Band26(part22)_QPSK_3.75kHz_1@0_High

9.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



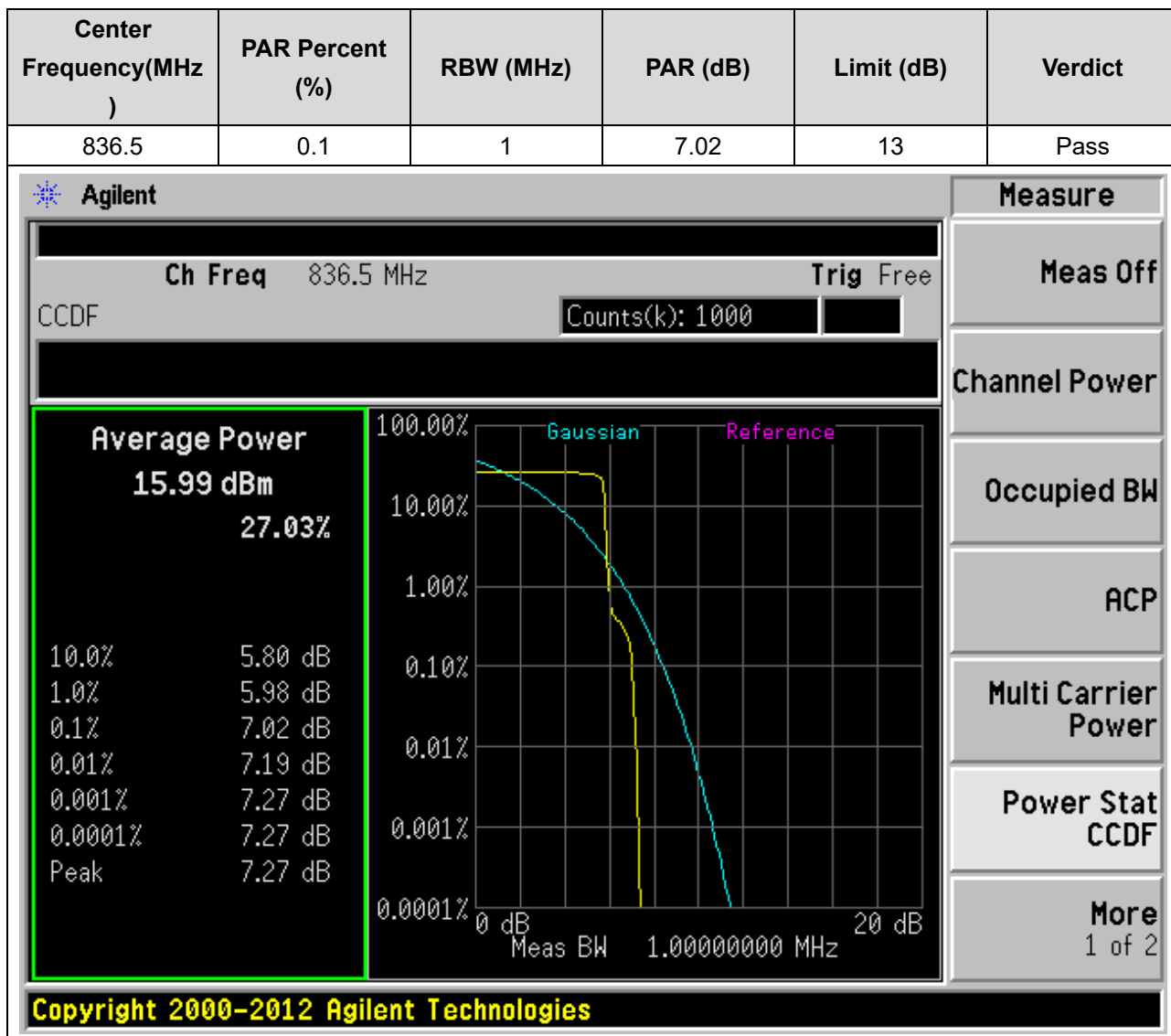
10. NB-IoT_Band26(part22)_QPSK_15kHz_1@0_Low

10.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



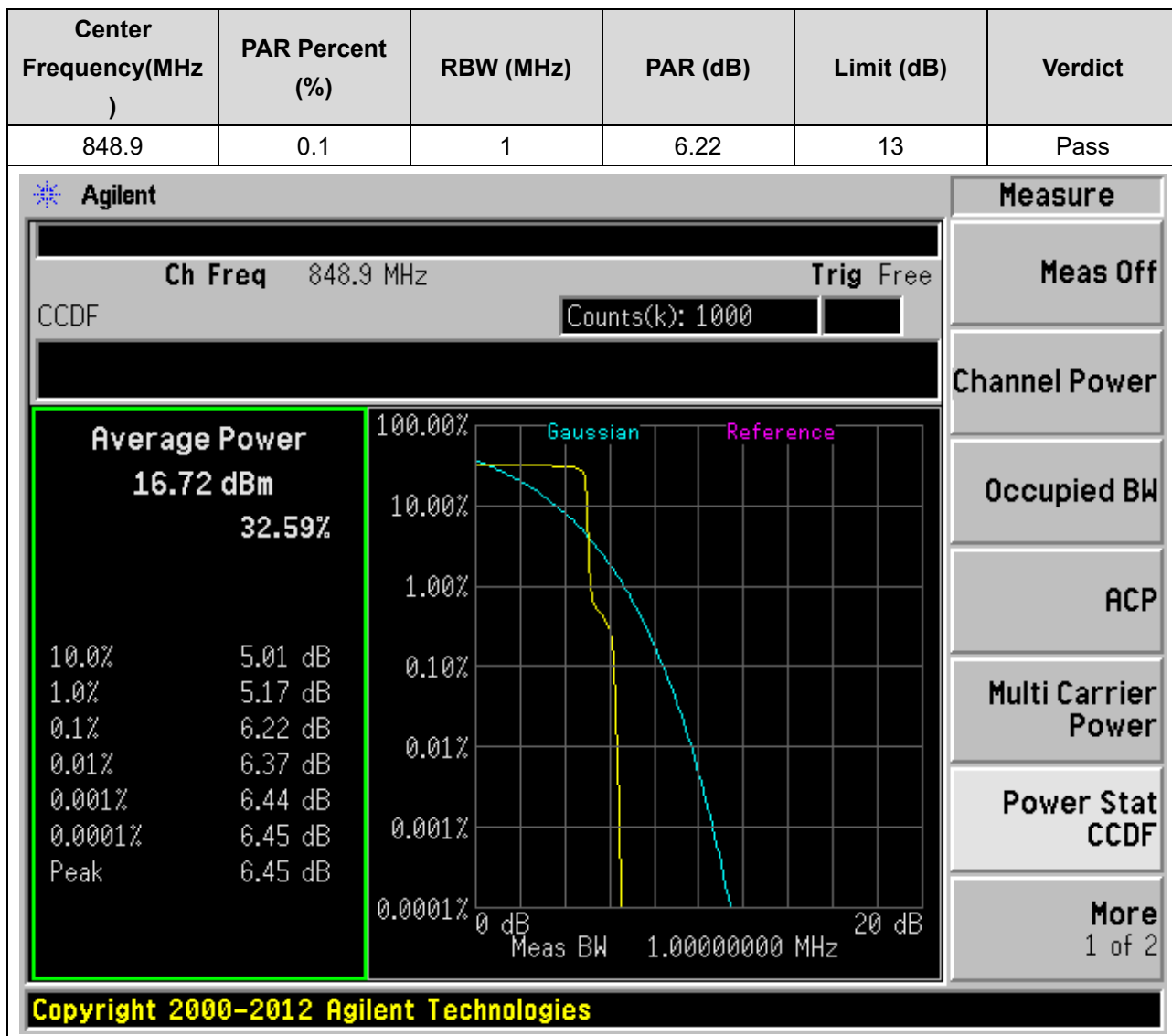
11. NB-IoT_Band26(part22)_QPSK_15kHz_1@0_Mid

11.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



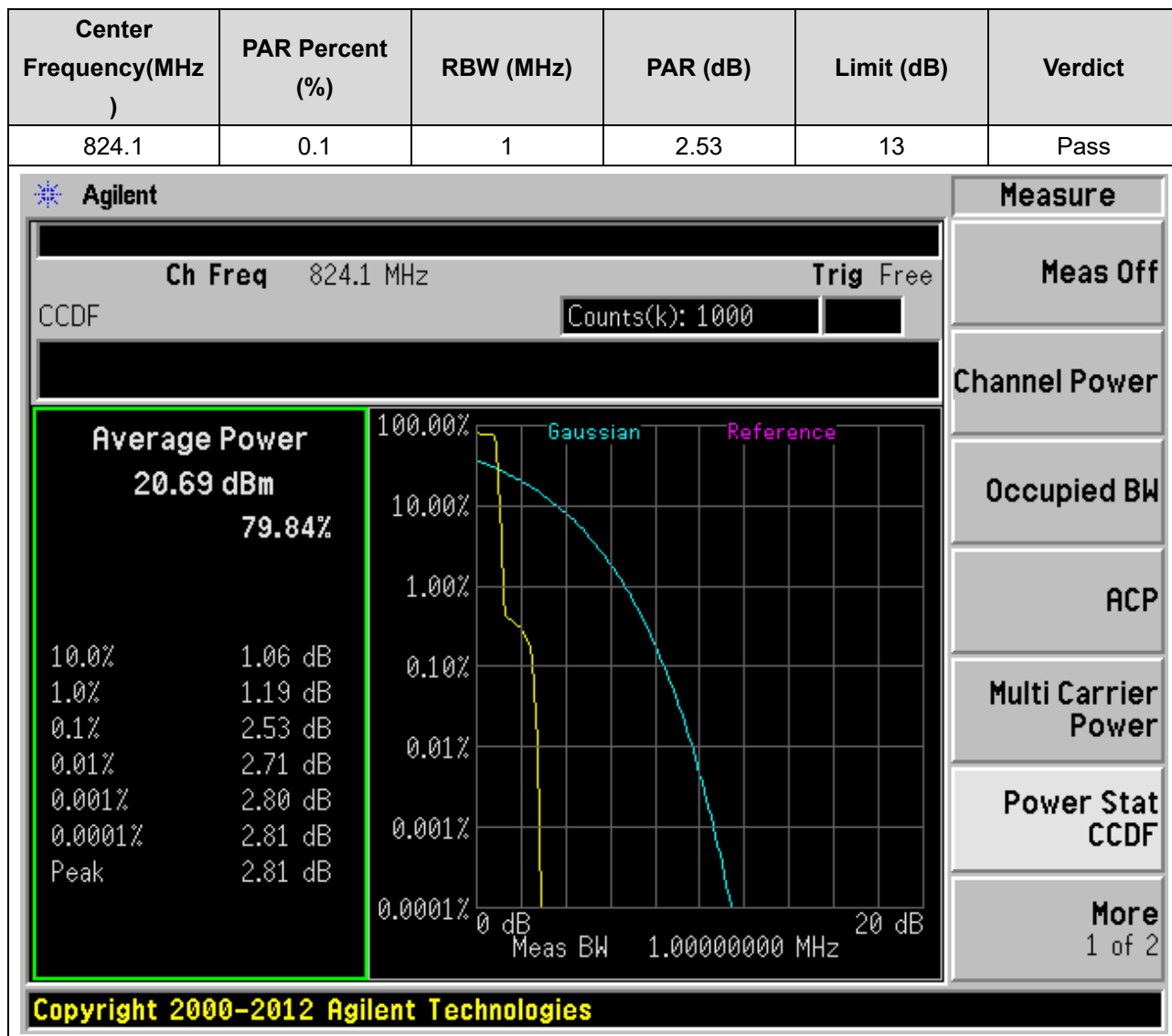
12. NB-IoT_Band26(part22)_QPSK_15kHz_1@0_High

12.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



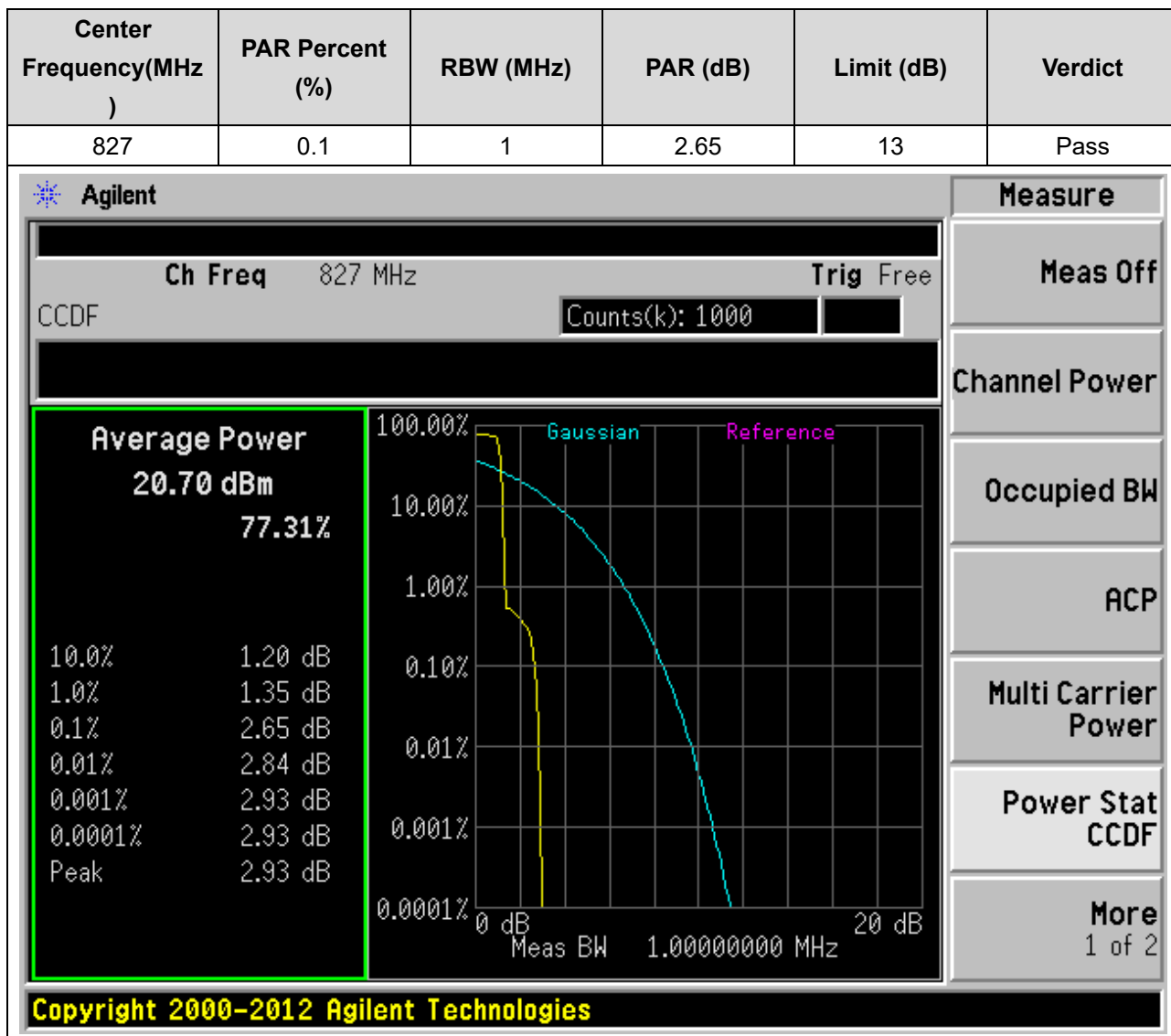
13. NB-IoT_Band18(824-830)_BPSK_3.75kHz_1@0_Low

13.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



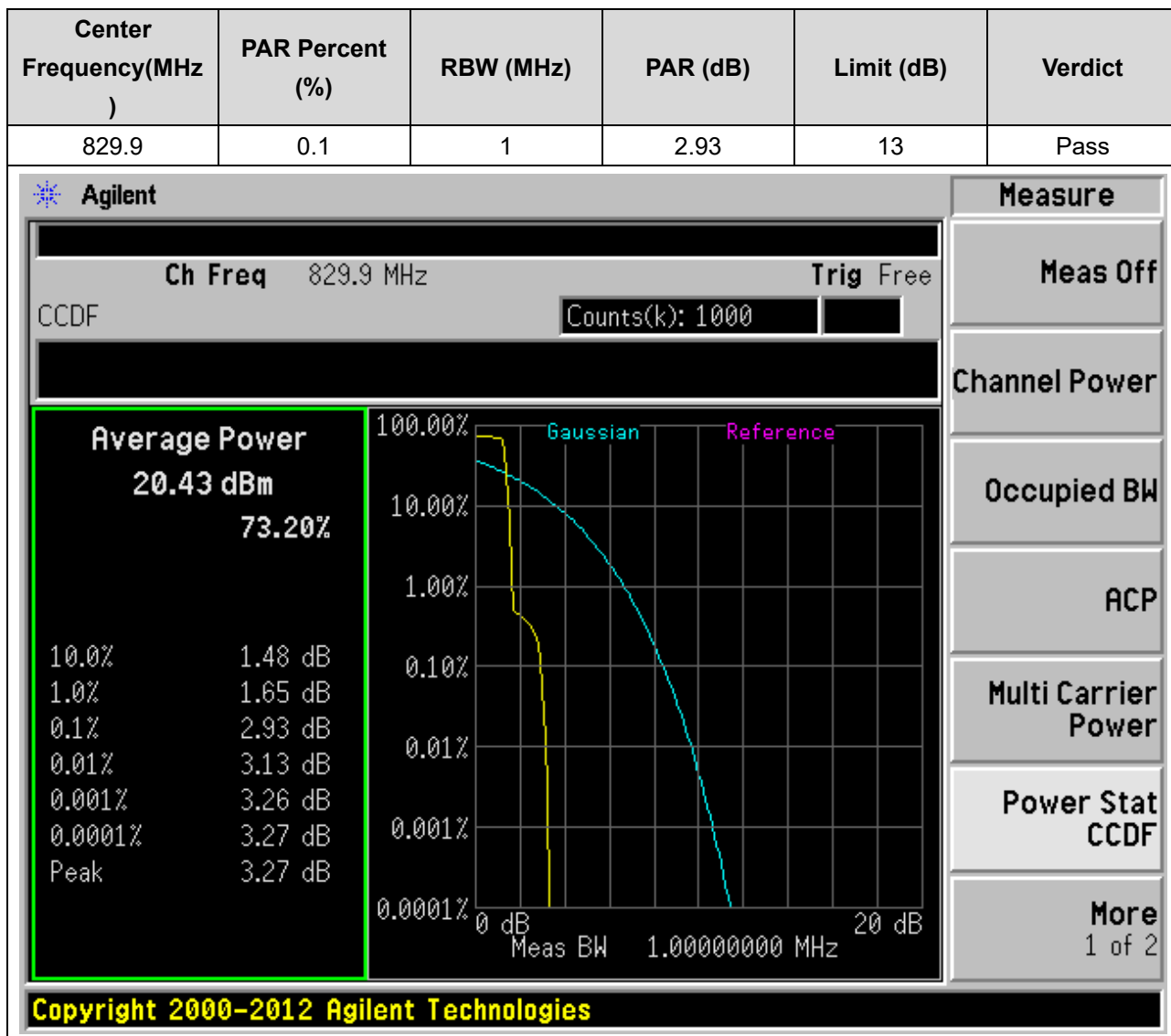
14. NB-IoT_Band18(824-830)_BPSK_3.75kHz_1@0_Mid

14.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



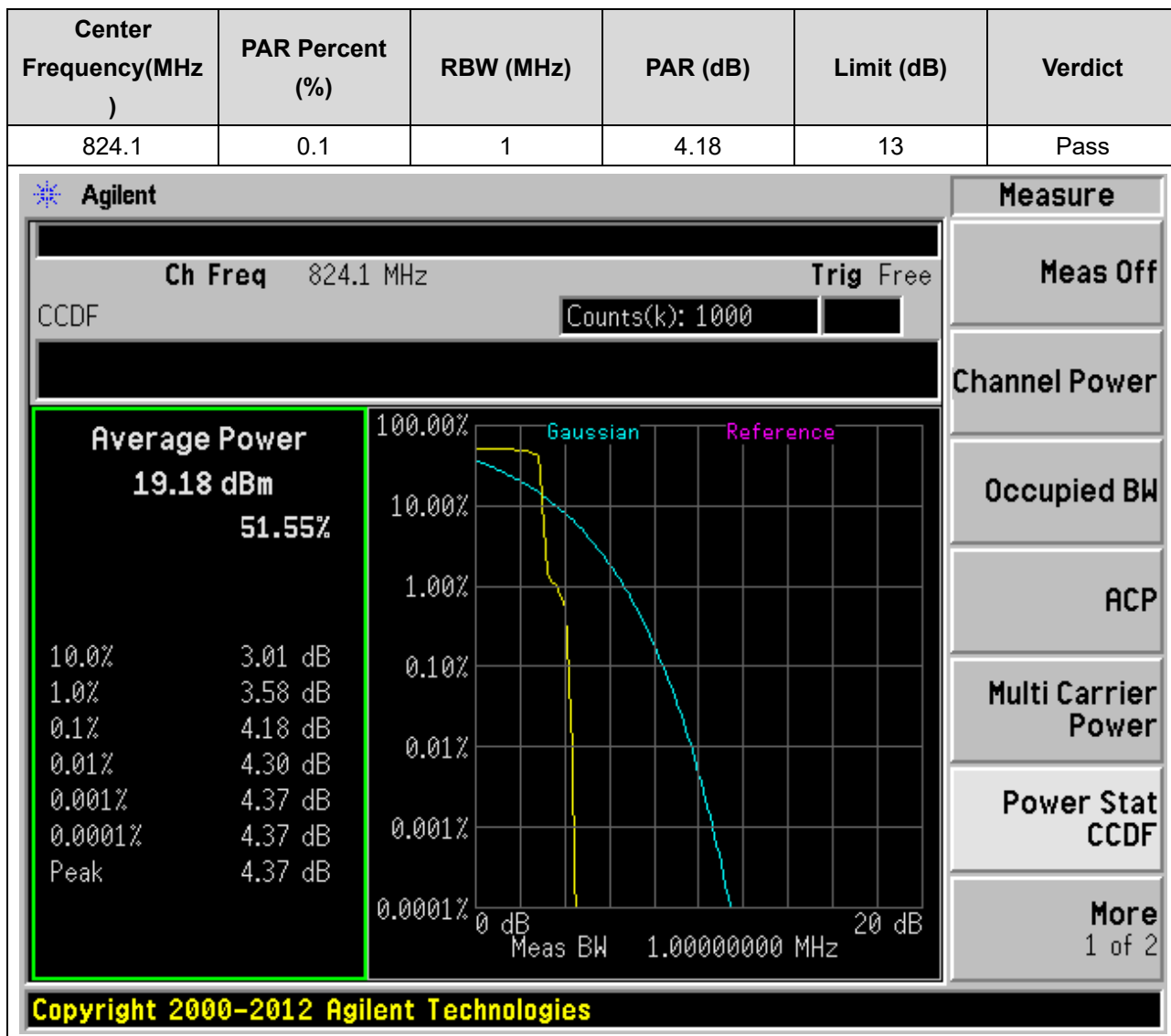
15. NB-IoT_Band18(824-830)_BPSK_3.75kHz_1@0_High

15.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



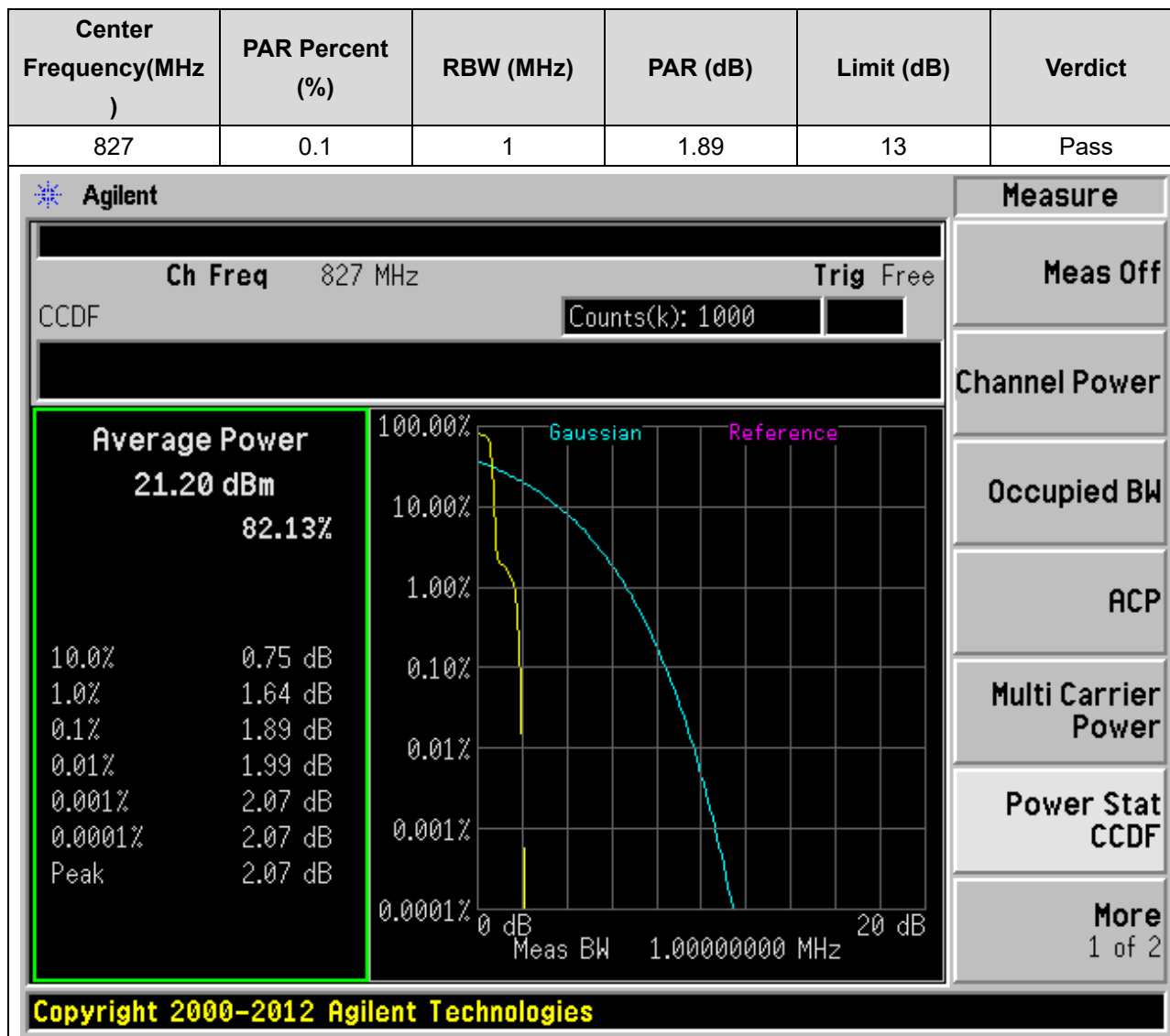
16. NB-IoT_Band18(824-830)_BPSK_15kHz_1@0_Low

16.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



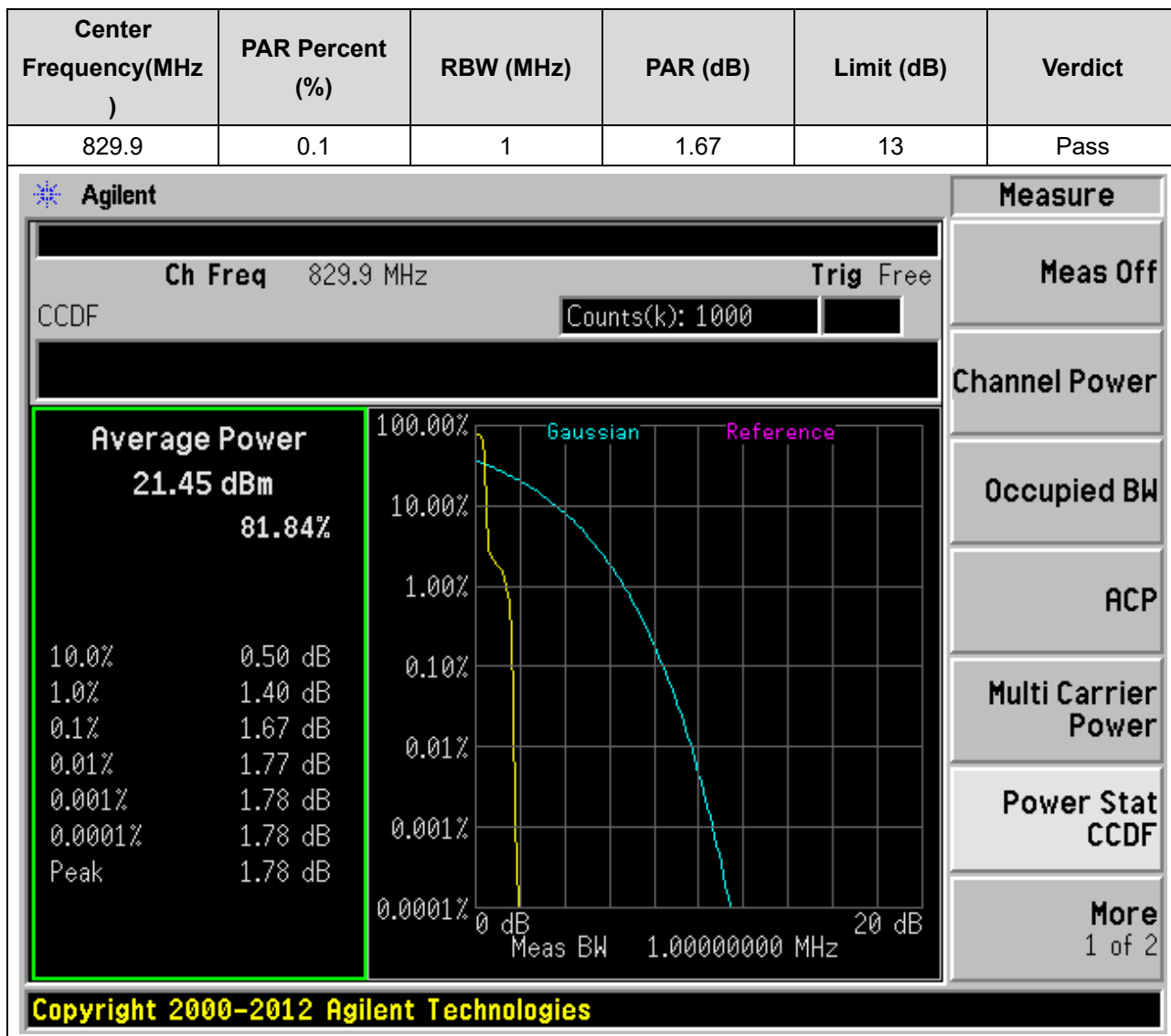
17. NB-IoT_Band18(824-830)_BPSK_15kHz_1@0_Mid

17.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



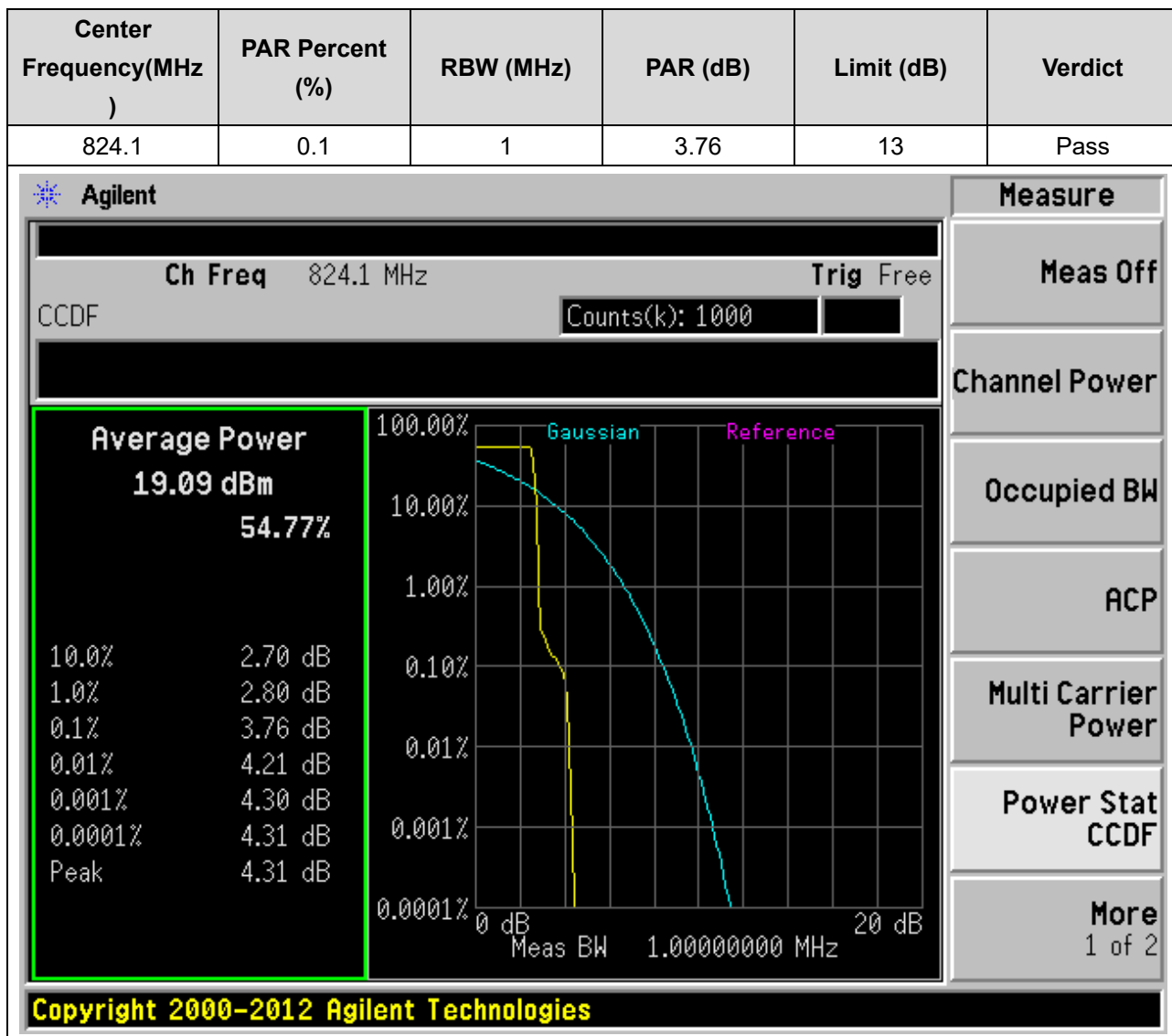
18. NB-IoT_Band18(824-830)_BPSK_15kHz_1@0_High

18.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



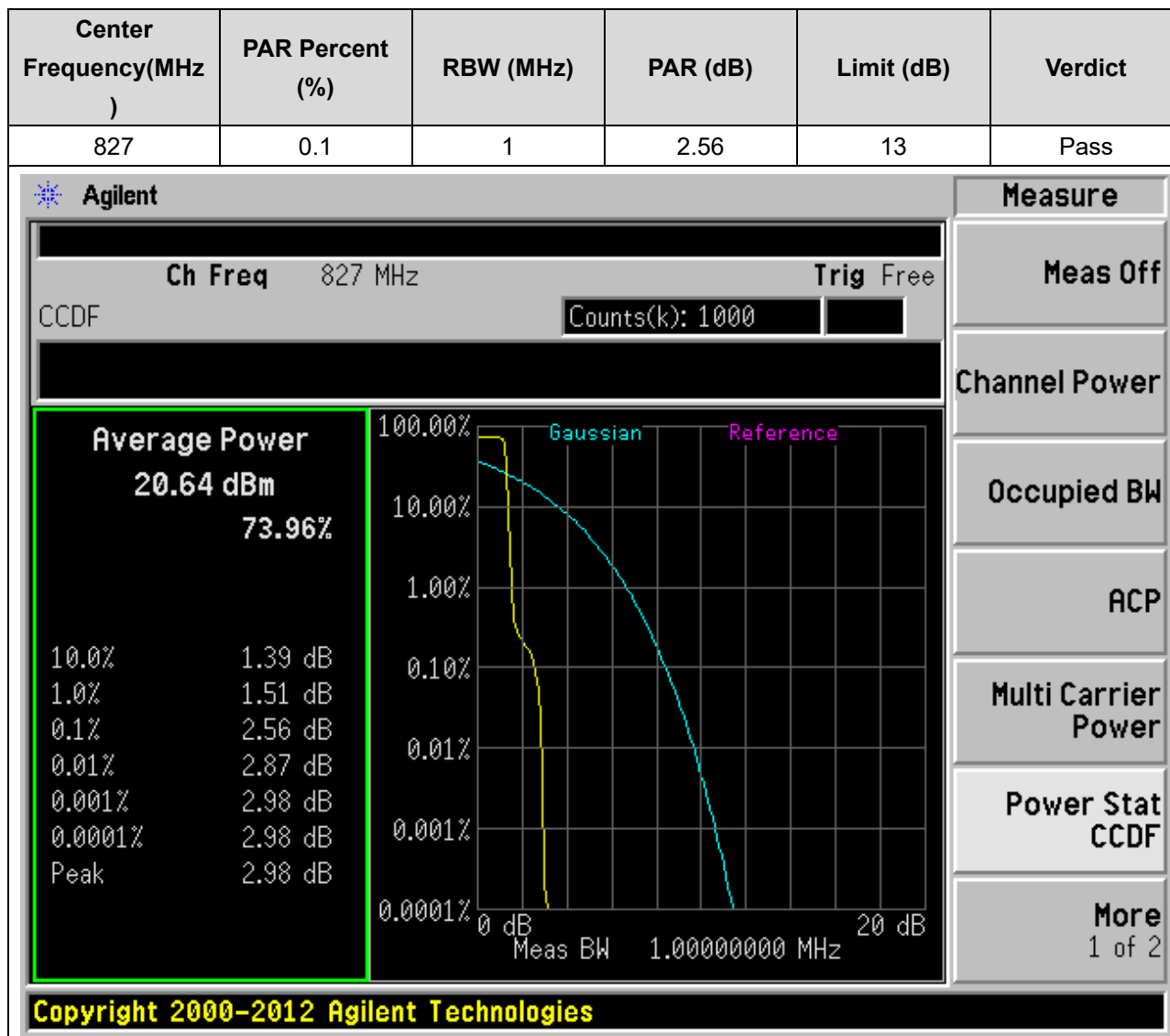
19. NB-IoT_Band18(824-830)_QPSK_3.75kHz_1@0_Low

19.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



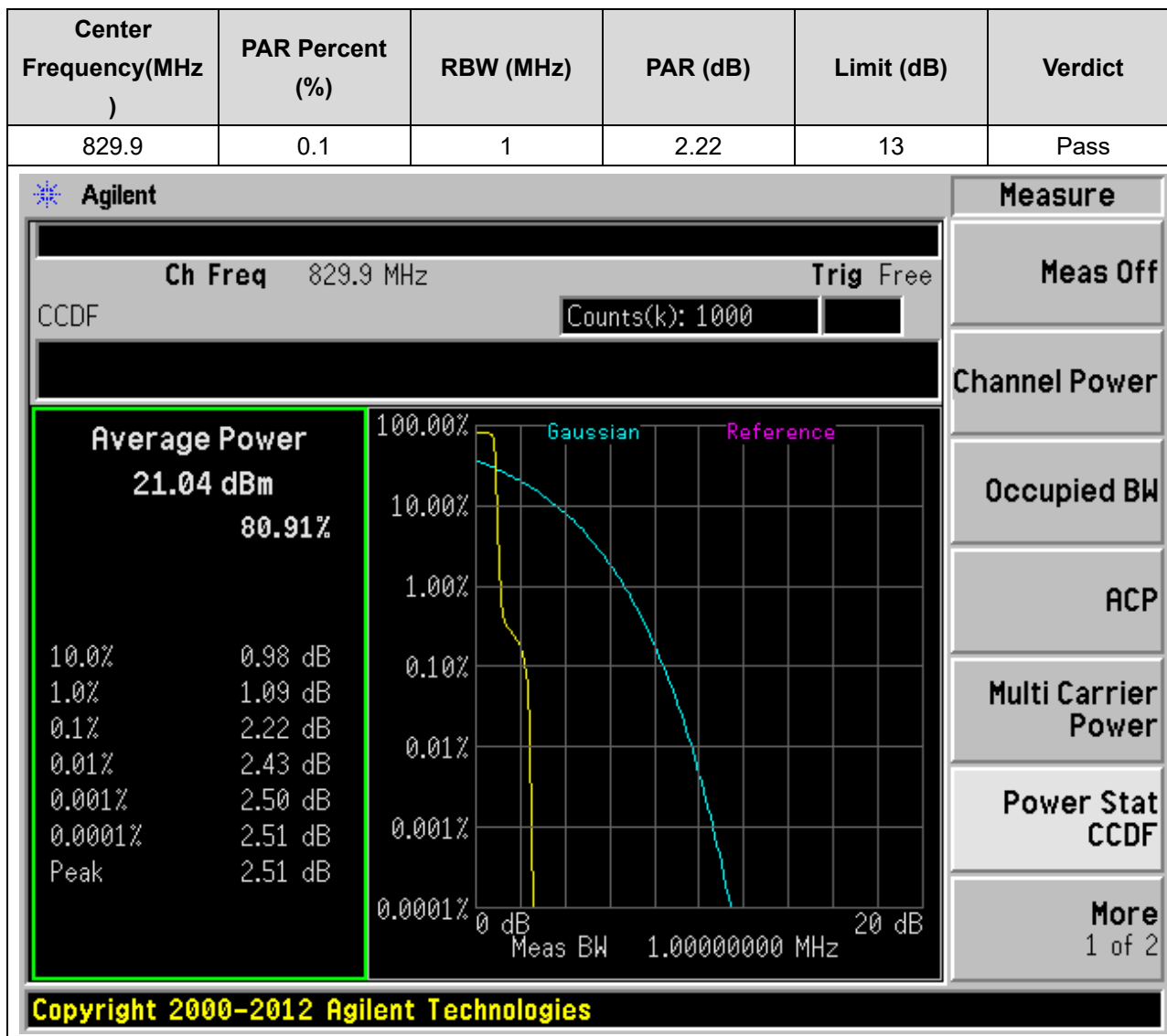
20. NB-IoT_Band18(824-830)_QPSK_3.75kHz_1@0_Mid

20.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



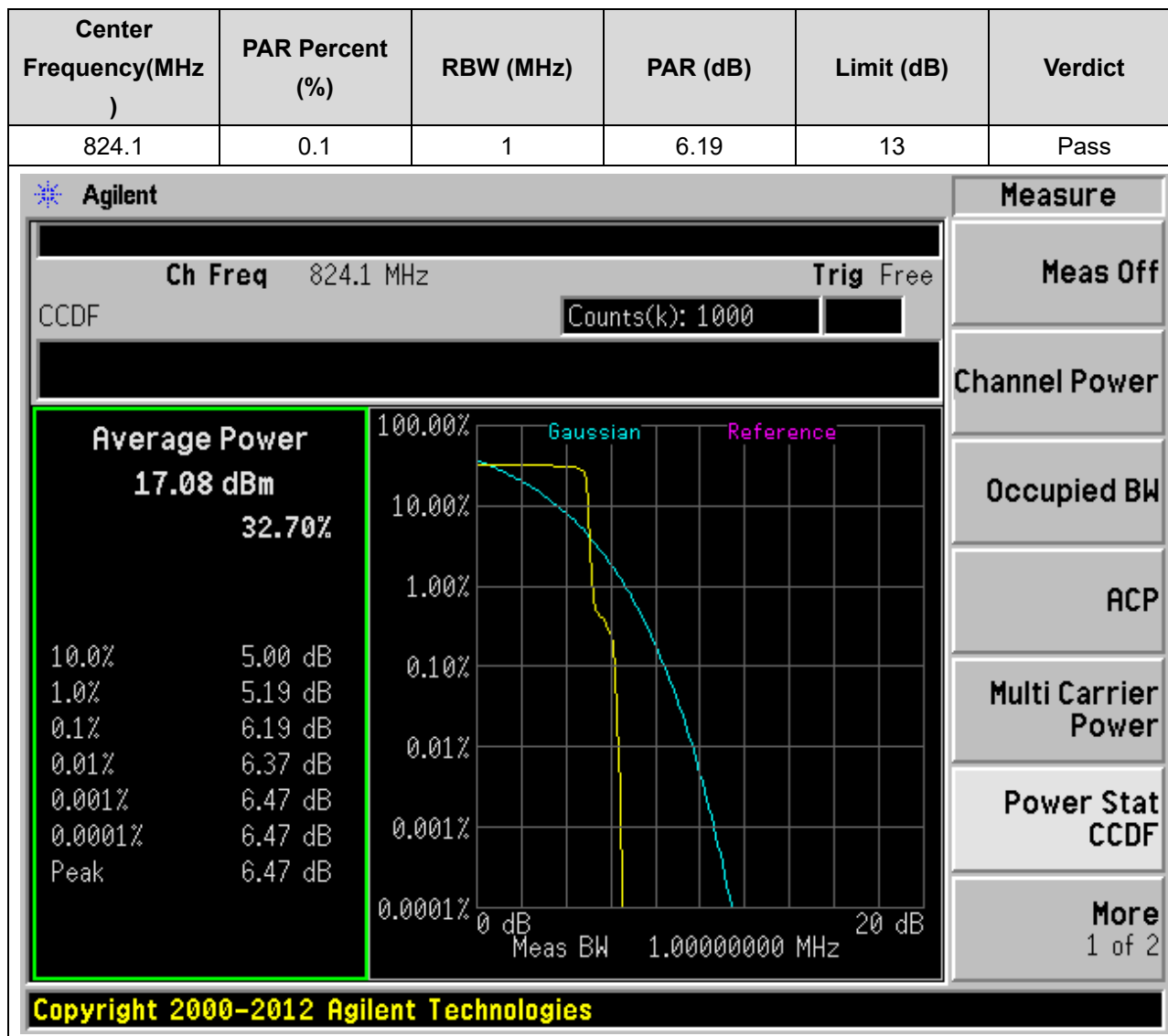
21. NB-IoT_Band18(824-830)_QPSK_3.75kHz_1@0_High

21.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



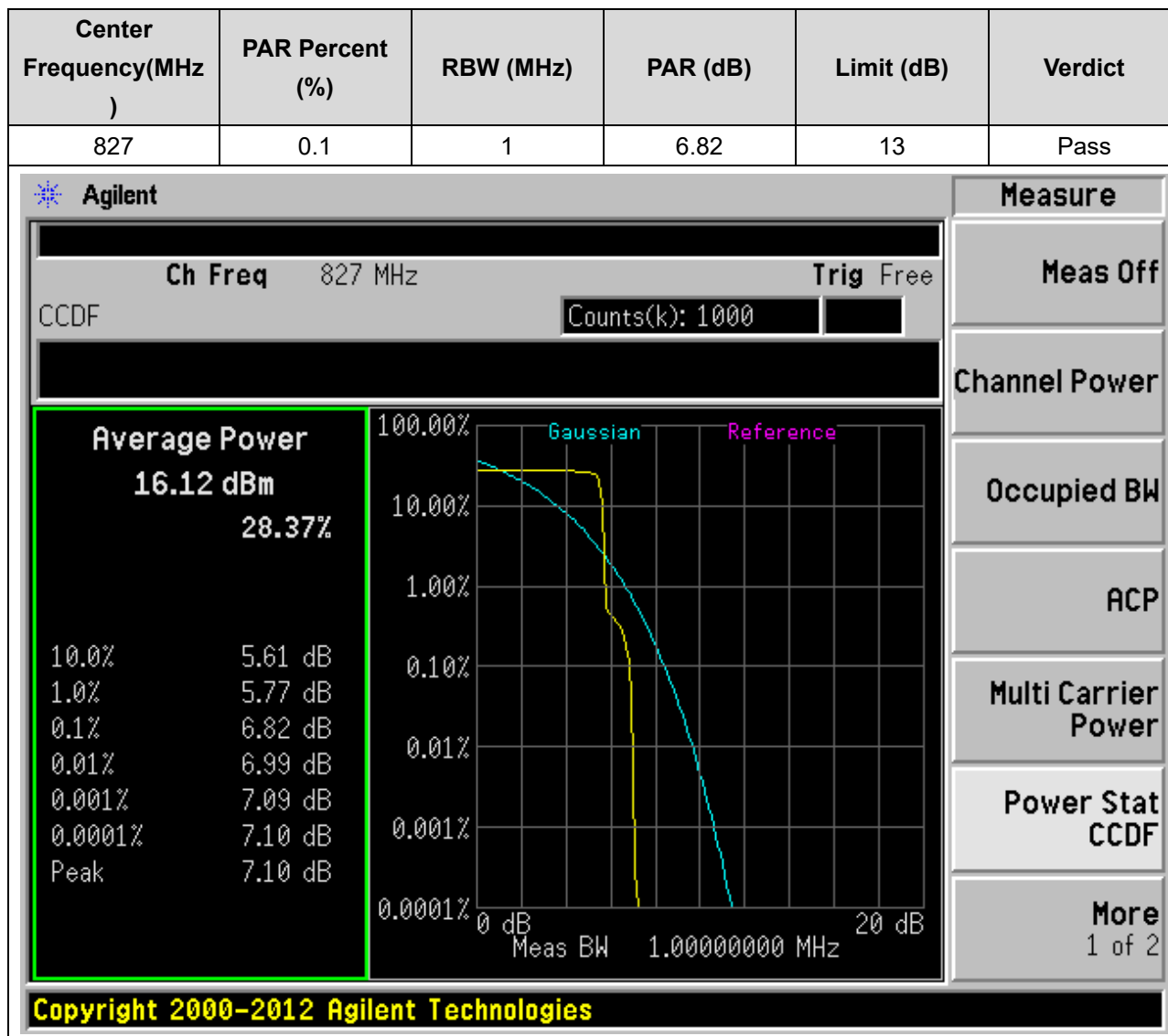
22. NB-IoT_Band18(824-830)_QPSK_15kHz_1@0_Low

22.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



23. NB-IoT_Band18(824-830)_QPSK_15kHz_1@0_Mid

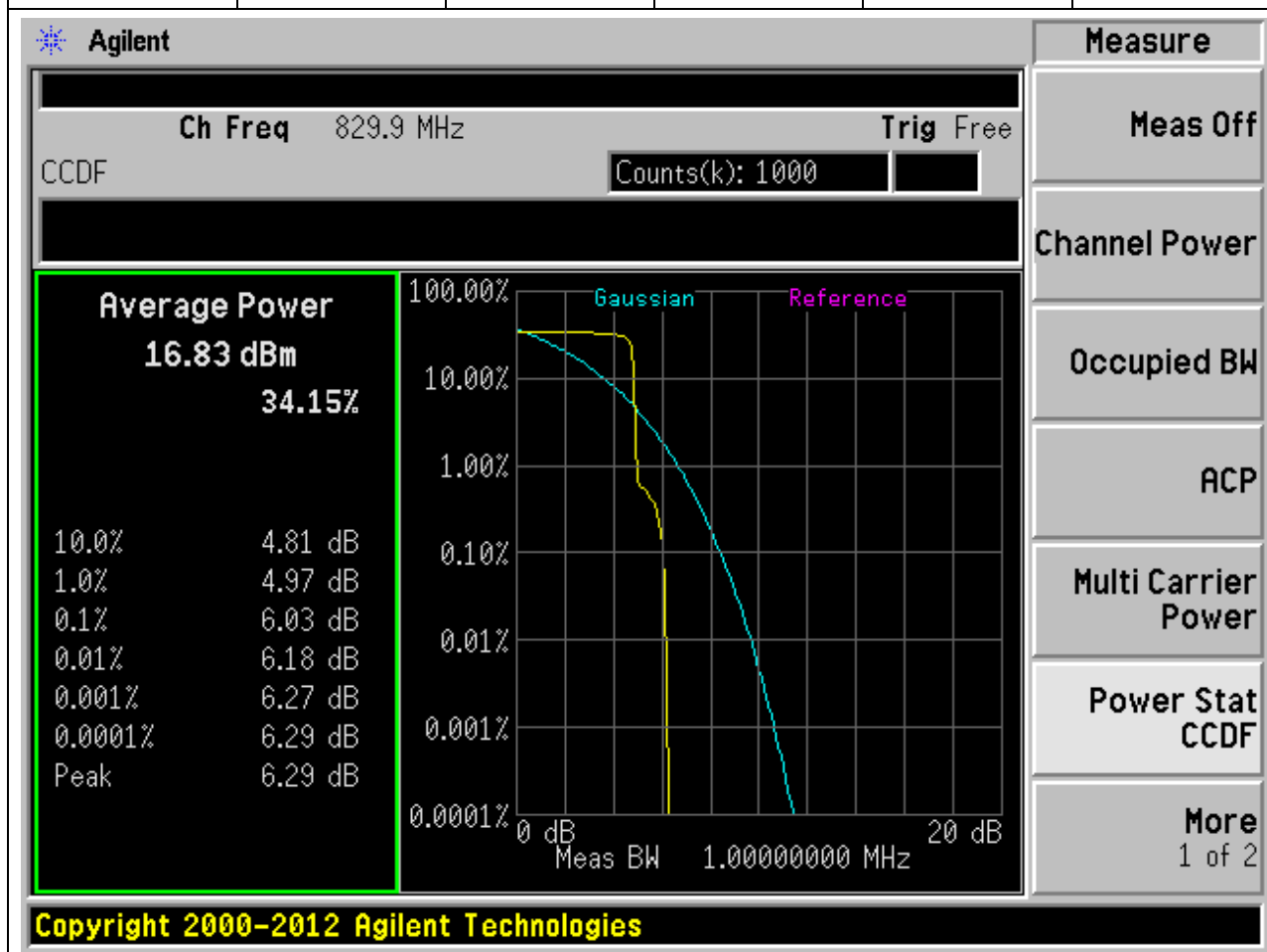
23.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



24. NB-IoT_Band18(824-830)_QPSK_15kHz_1@0_High

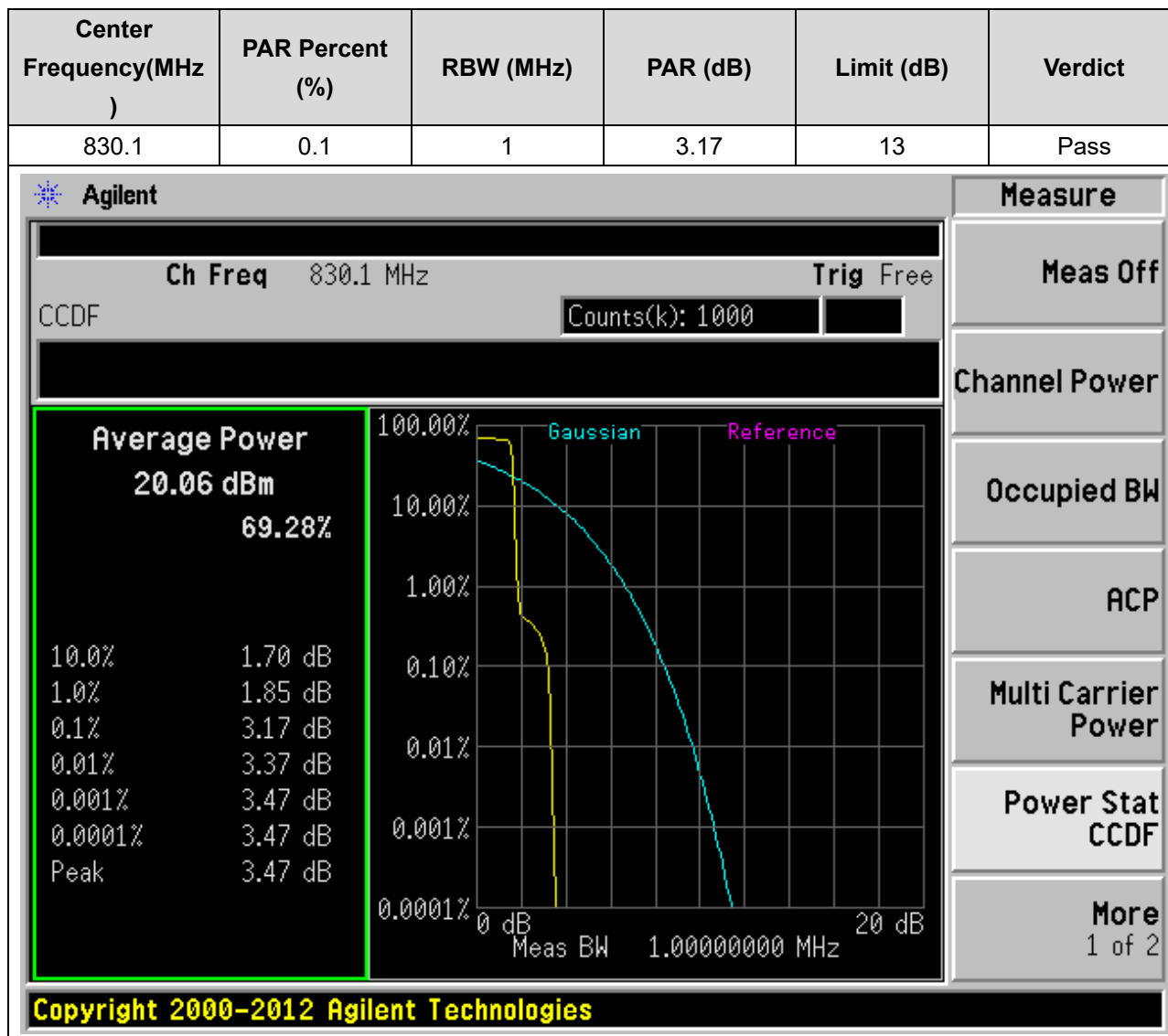
24.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
829.9	0.1	1	6.03	13	Pass



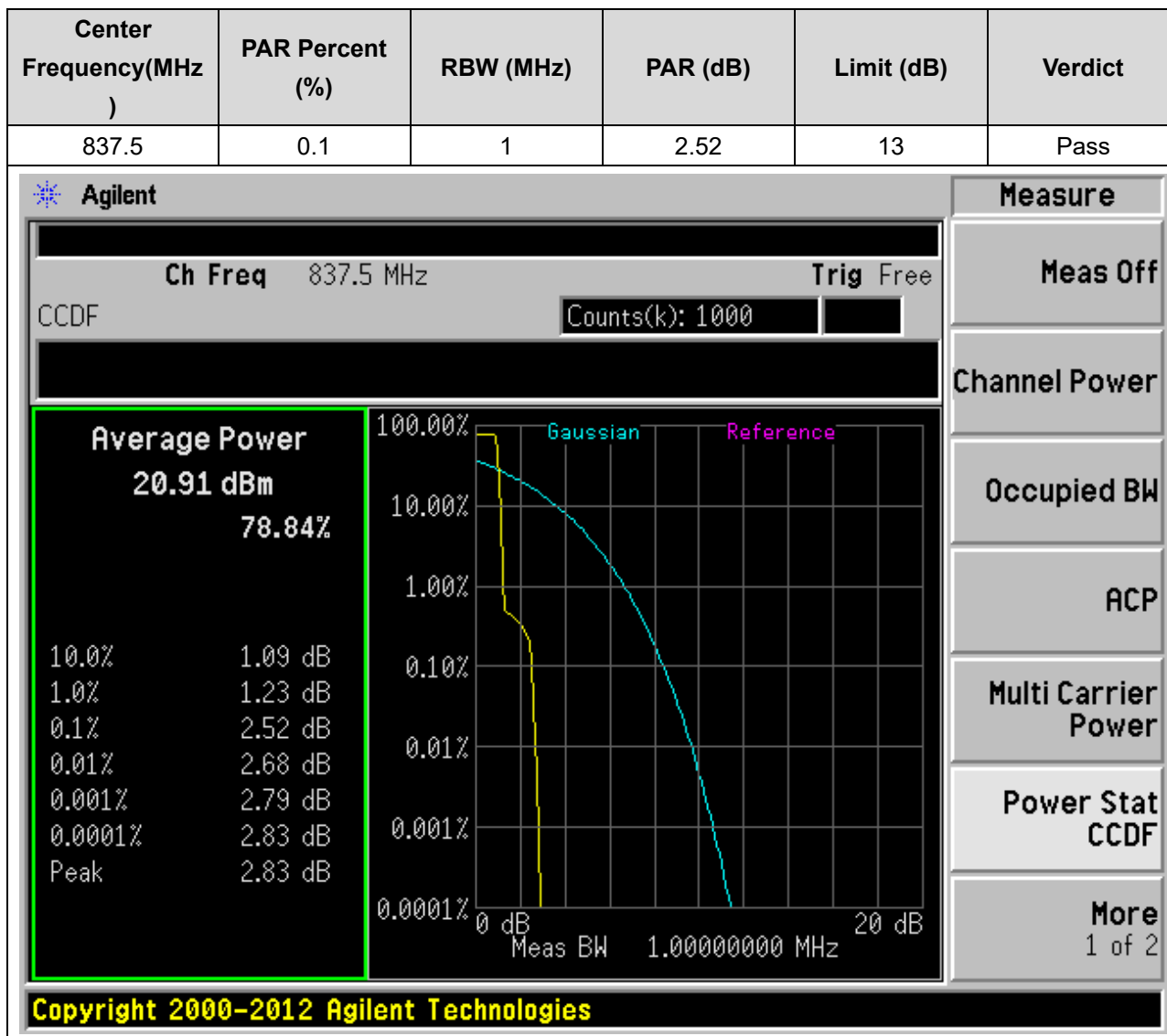
25. NB-IoT_Band19_BPSK_3.75kHz_1@0_Low

25.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



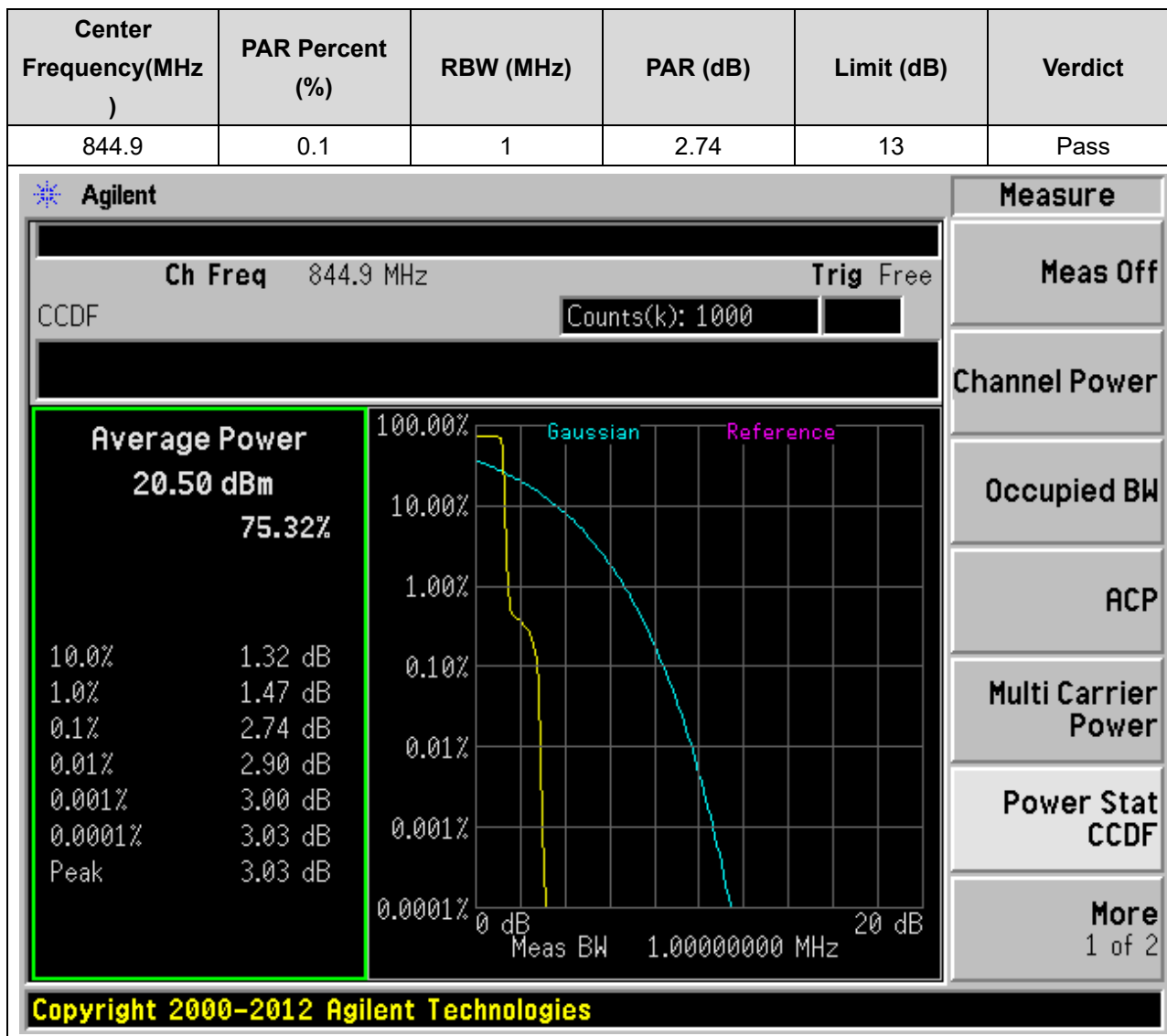
26. NB-IoT_Band19_BPSK_3.75kHz_1@0_Mid

26.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



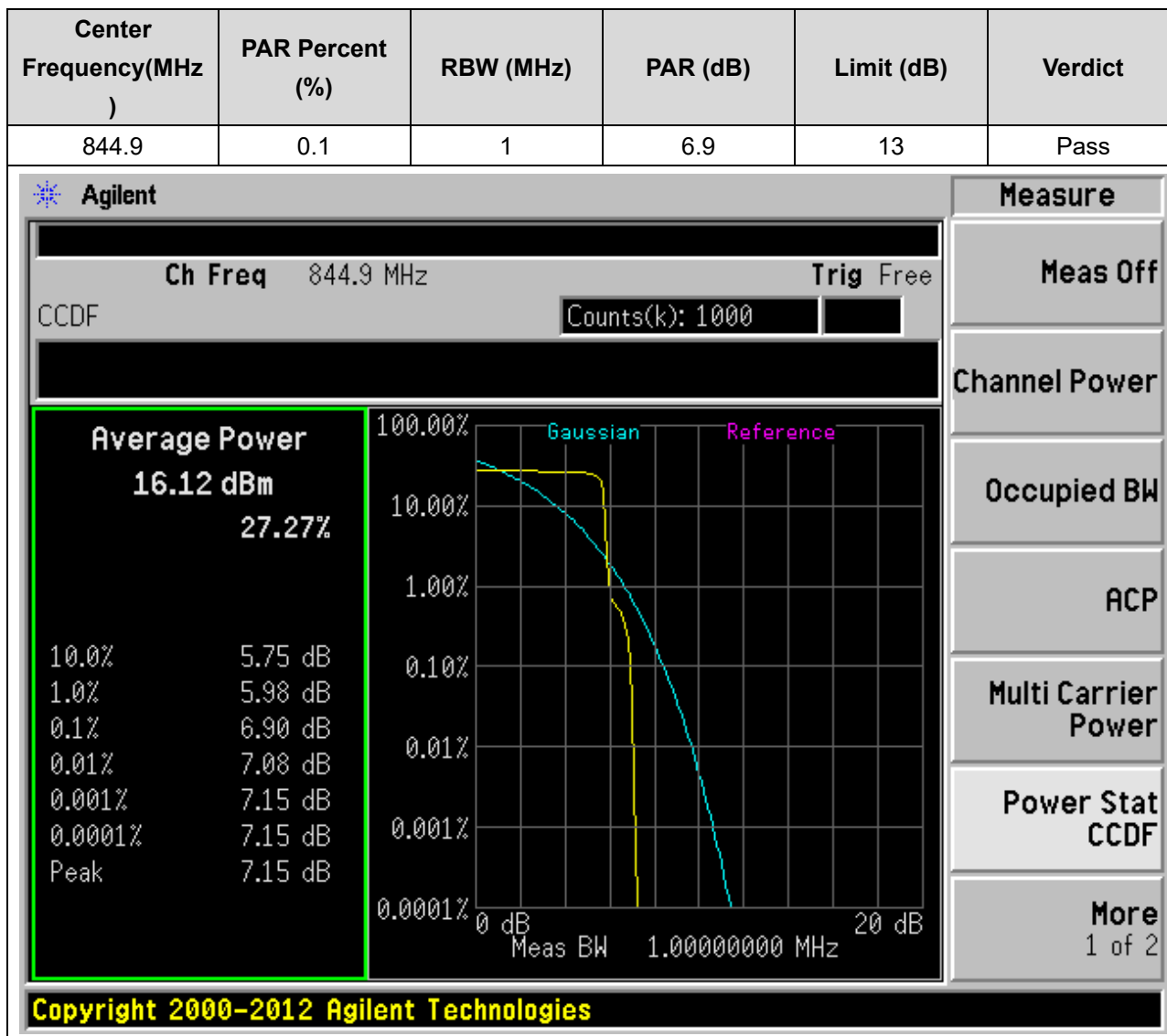
27. NB-IoT_Band19_BPSK_3.75kHz_1@0_High

27.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



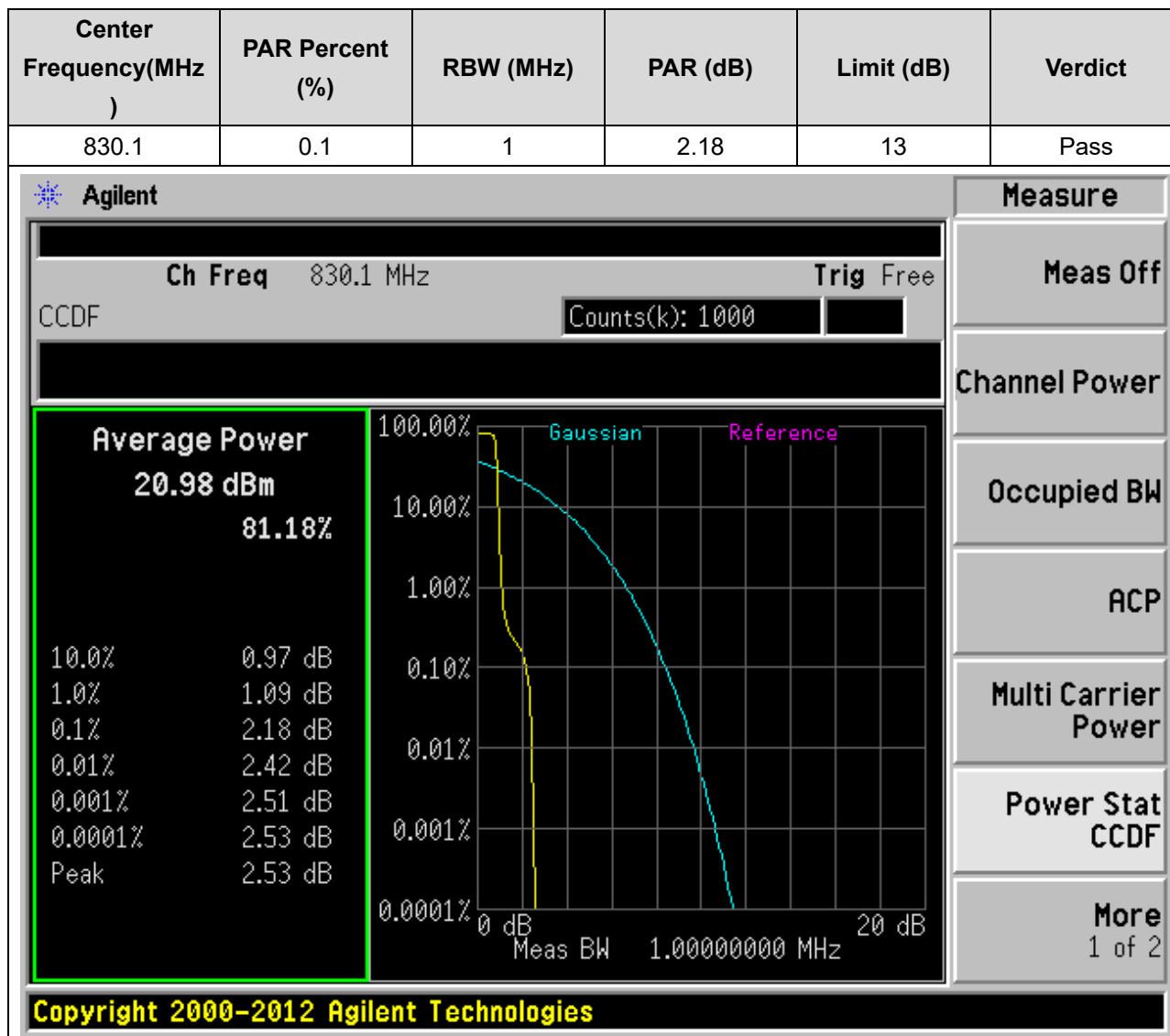
28. NB-IoT_Band19_BPSK_15kHz_1@0_High

28.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



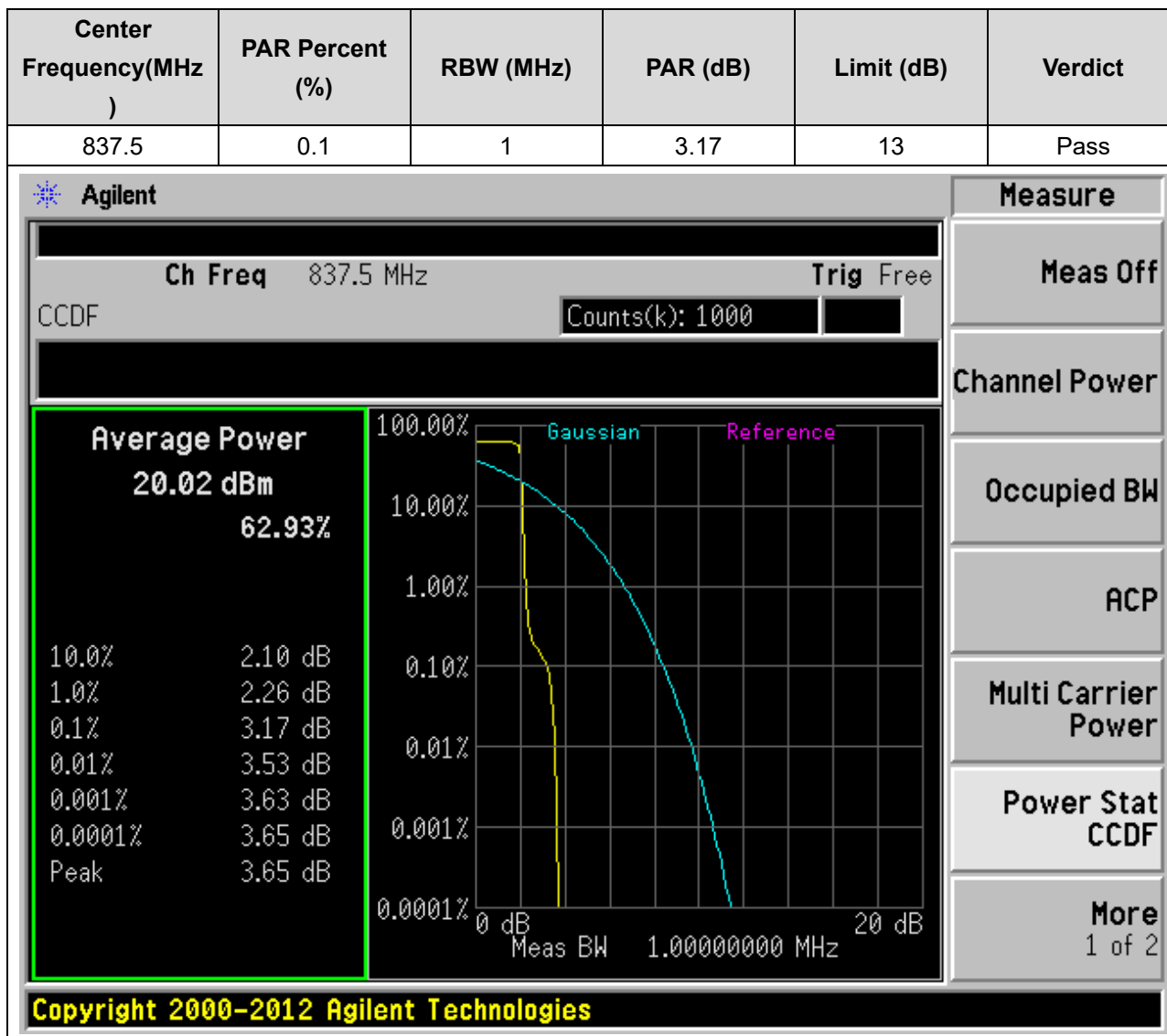
29. NB-IoT_Band19_QPSK_3.75kHz_1@0_Low

29.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



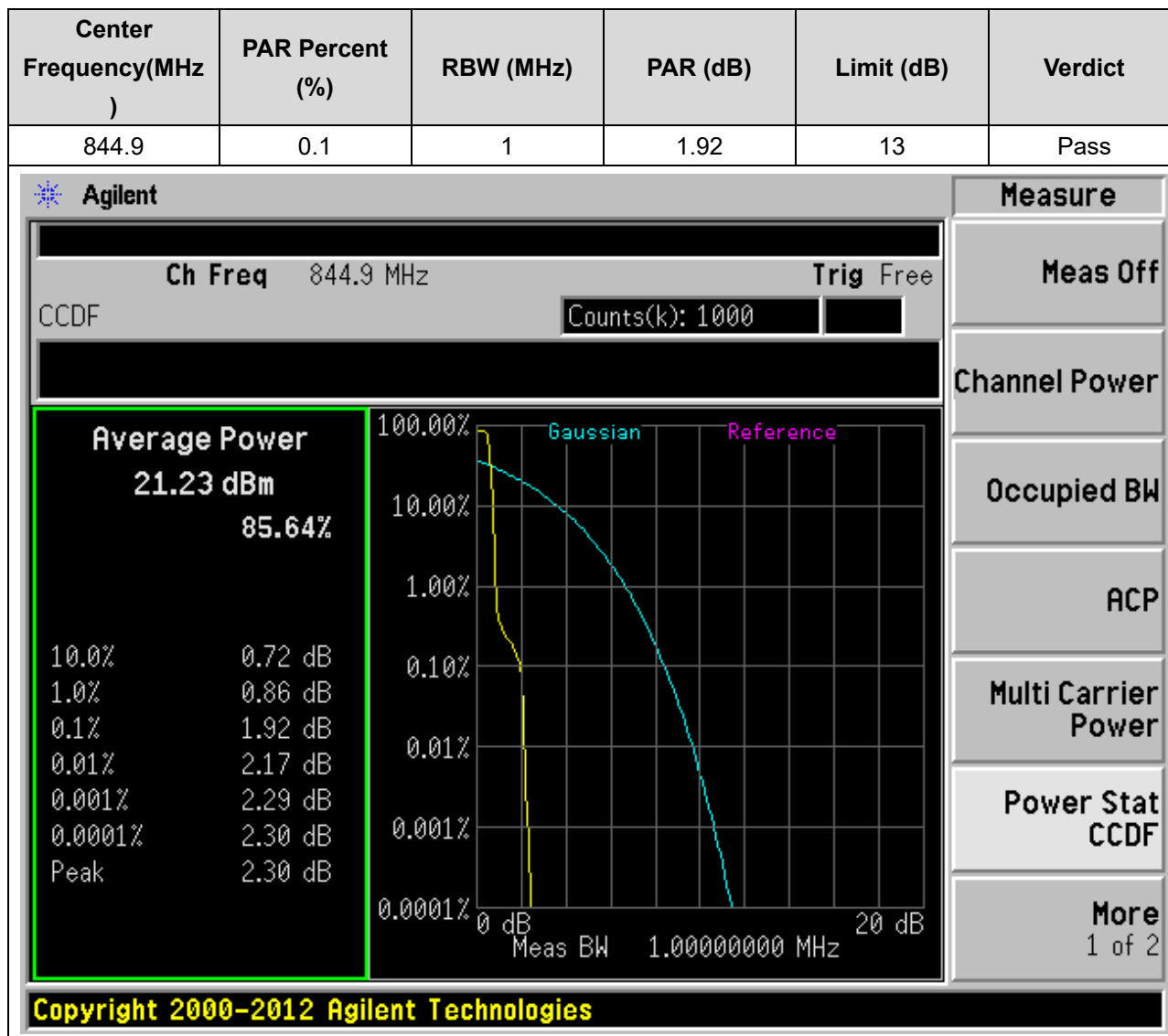
30. NB-IoT_Band19_QPSK_3.75kHz_1@0_Mid

30.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



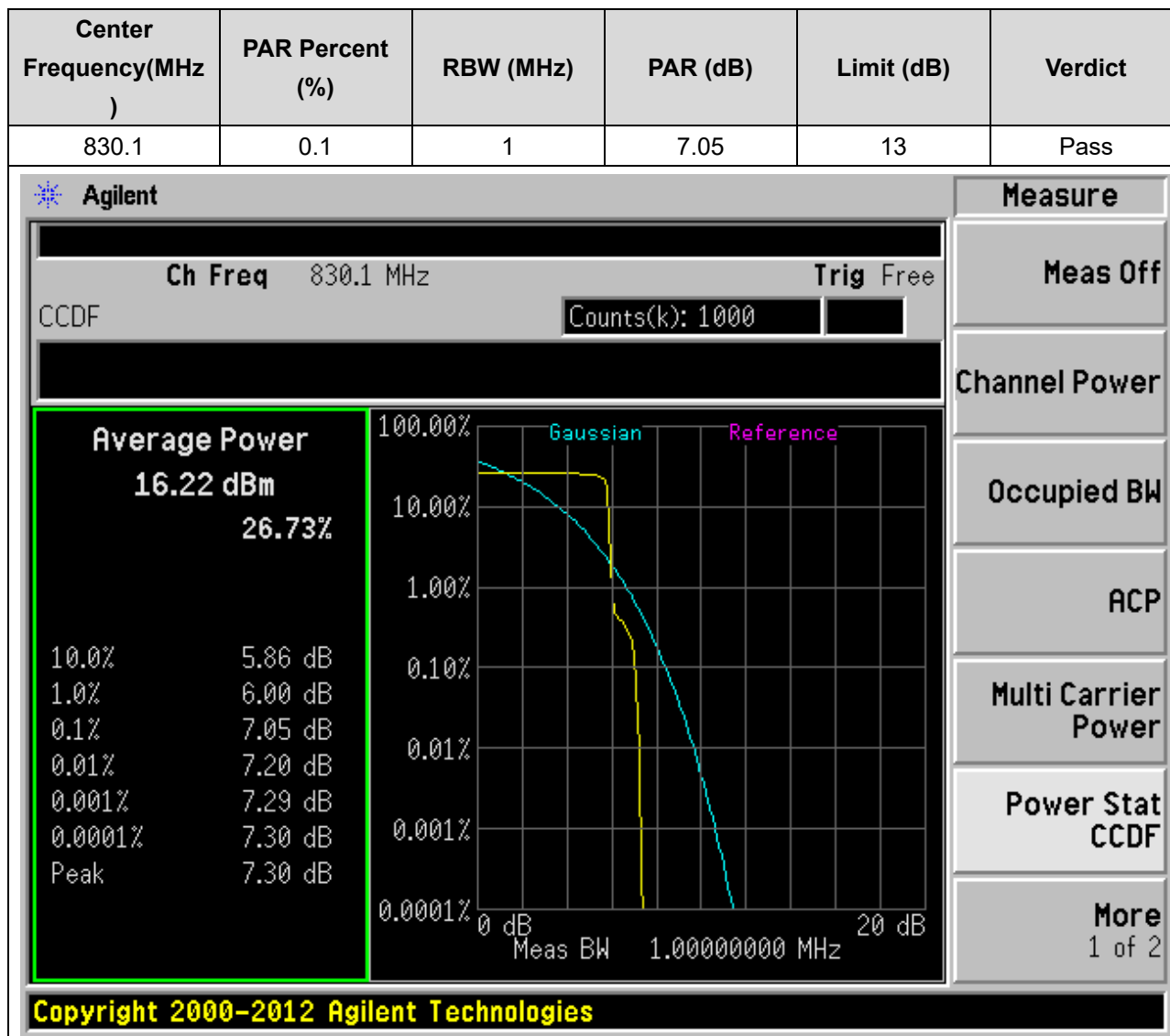
31. NB-IoT_Band19_QPSK_3.75kHz_1@0_High

31.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



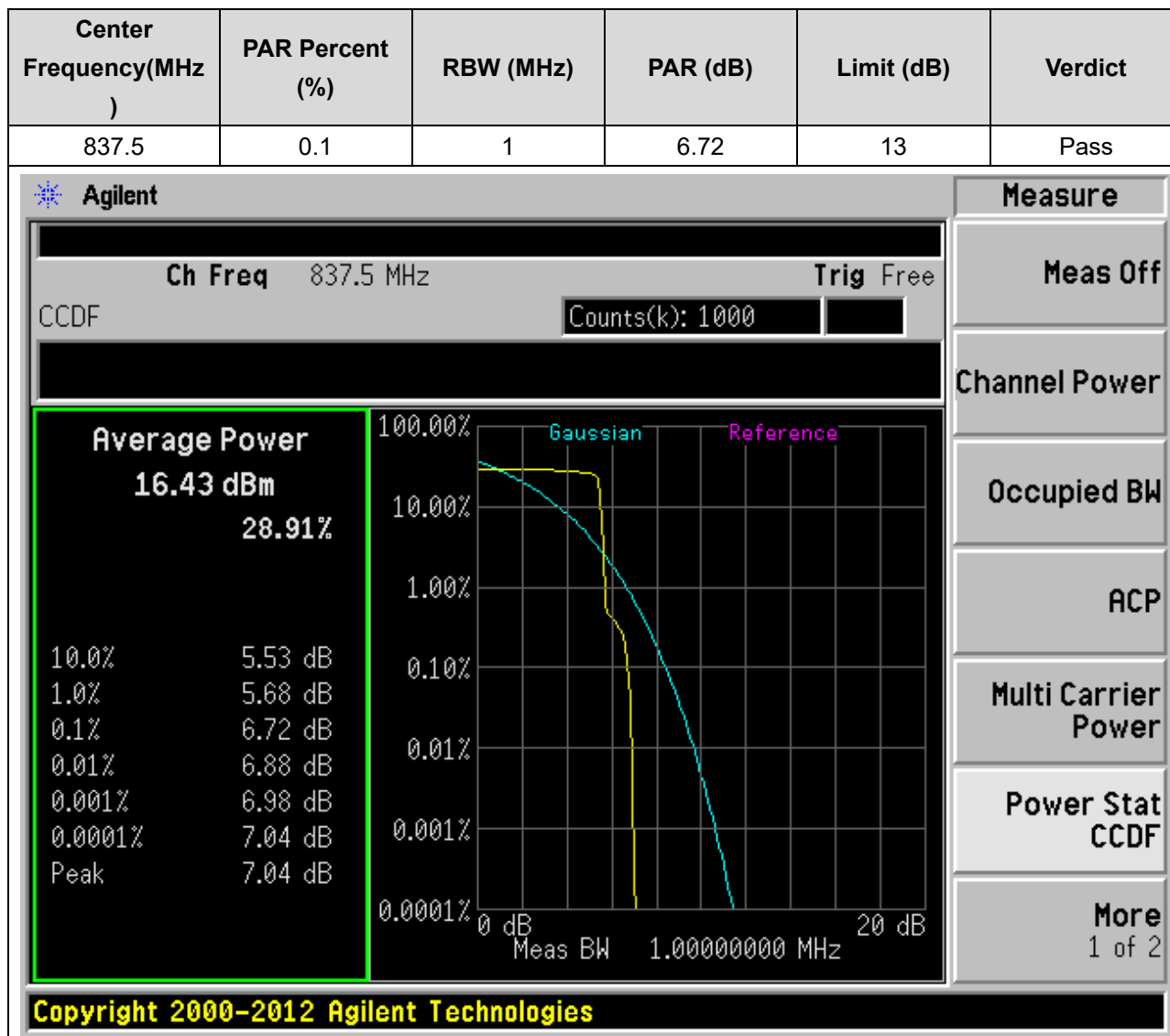
32. NB-IoT_Band19_QPSK_15kHz_1@0_Low

32.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



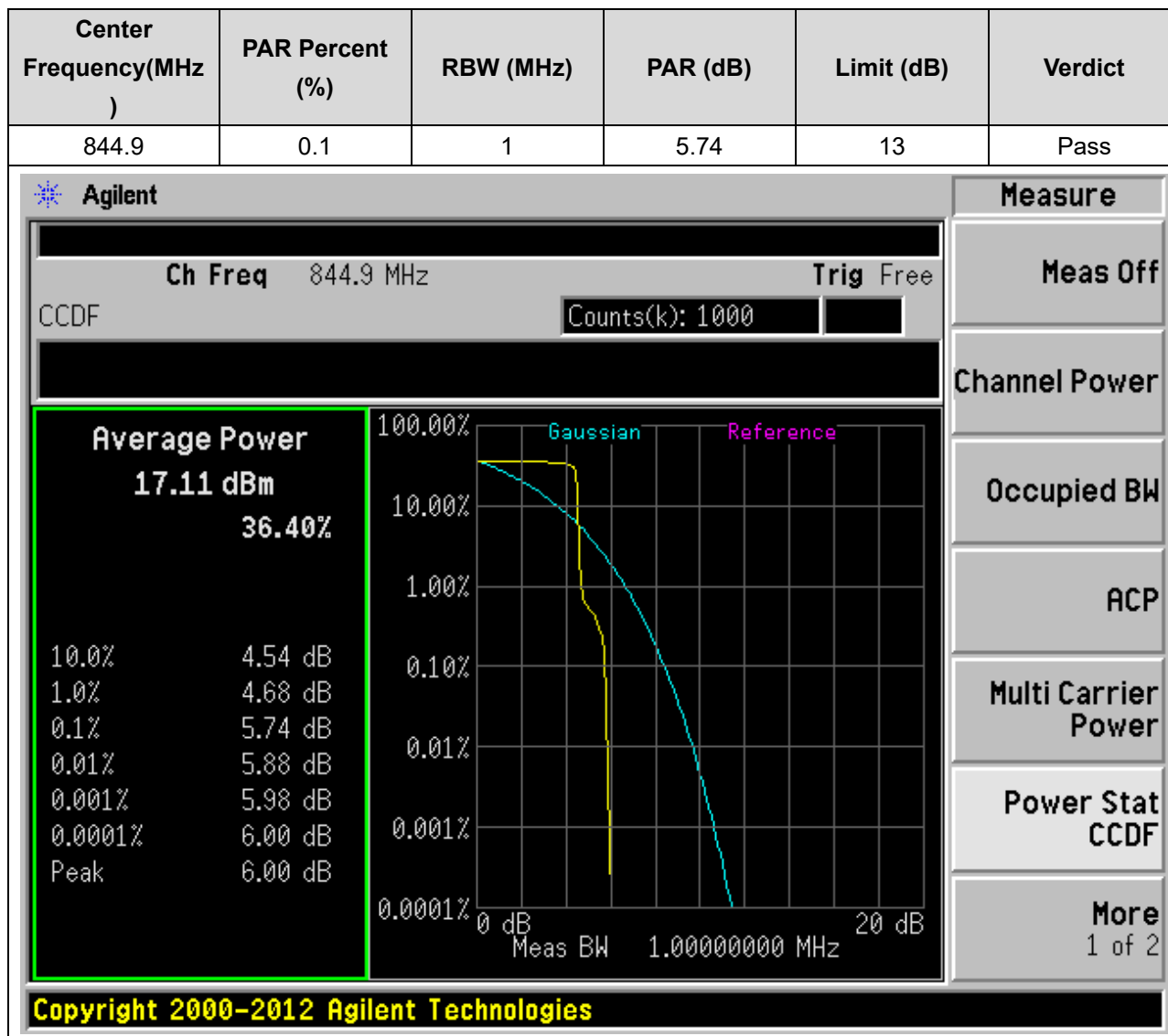
33. NB-IoT_Band19_QPSK_15kHz_1@0_Mid

33.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



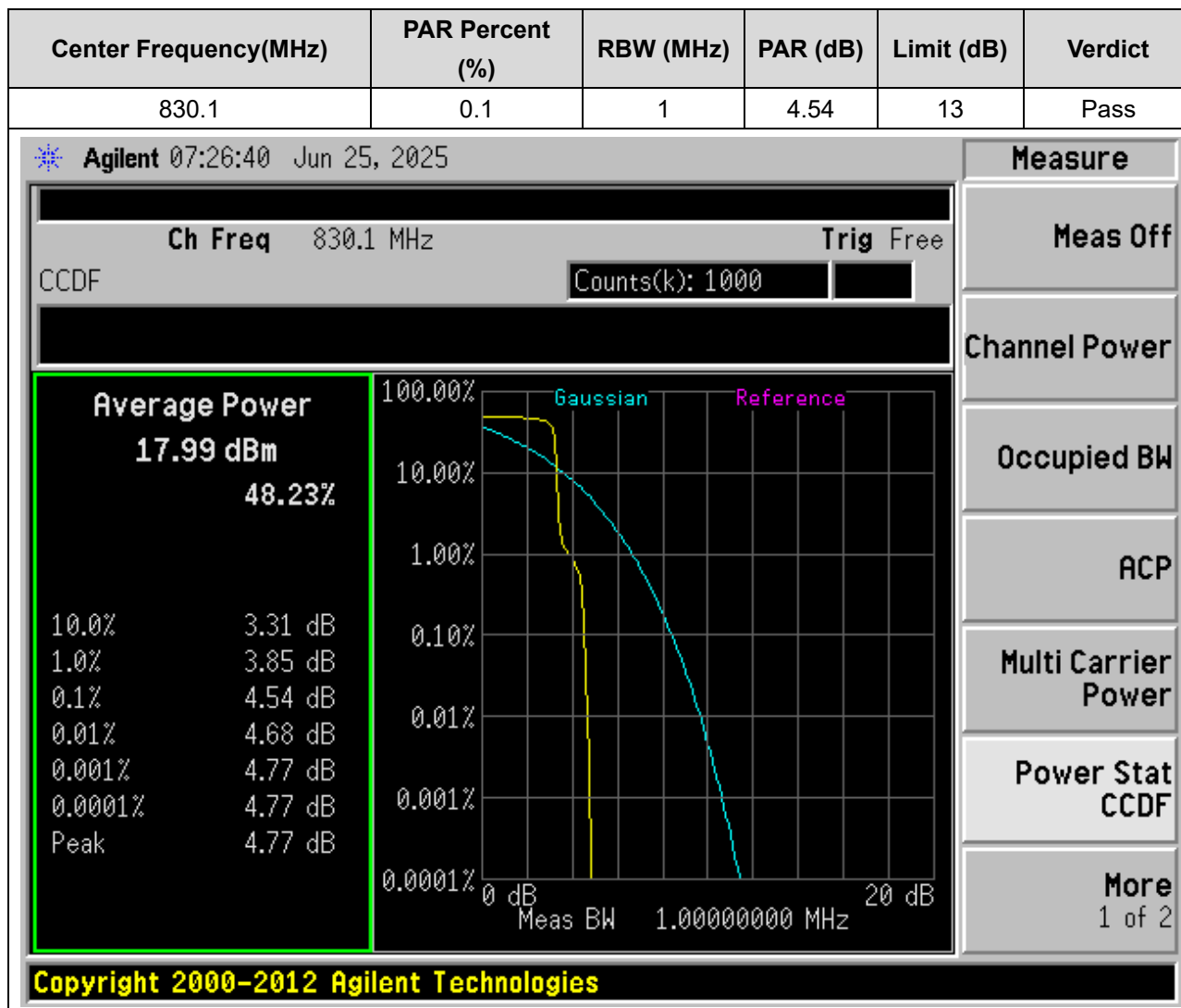
34. NB-IoT_Band19_QPSK_15kHz_1@0_High

34.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



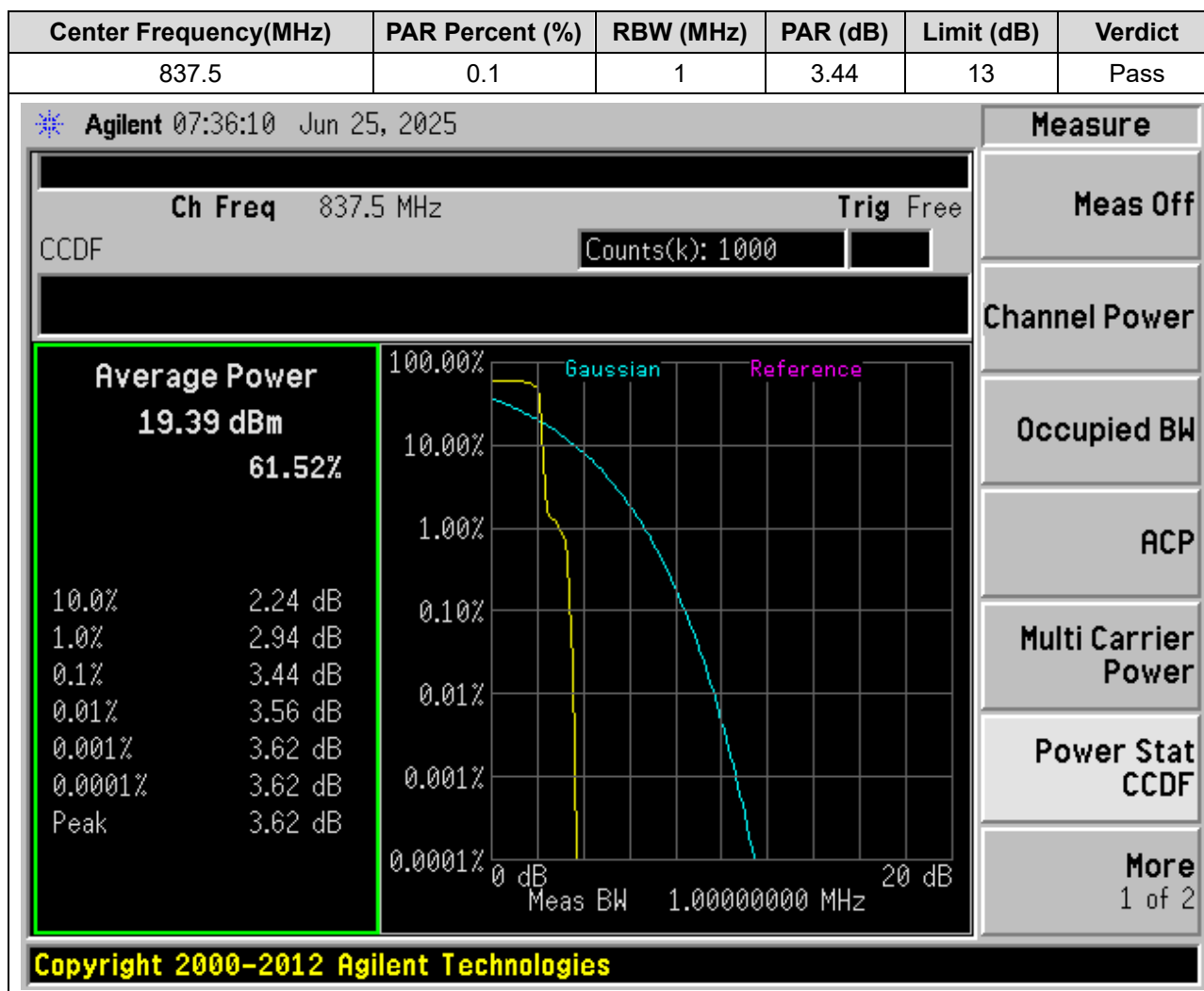
35. NB-IoT_Band19_BPSK_15kHz_1@0_Low

35.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



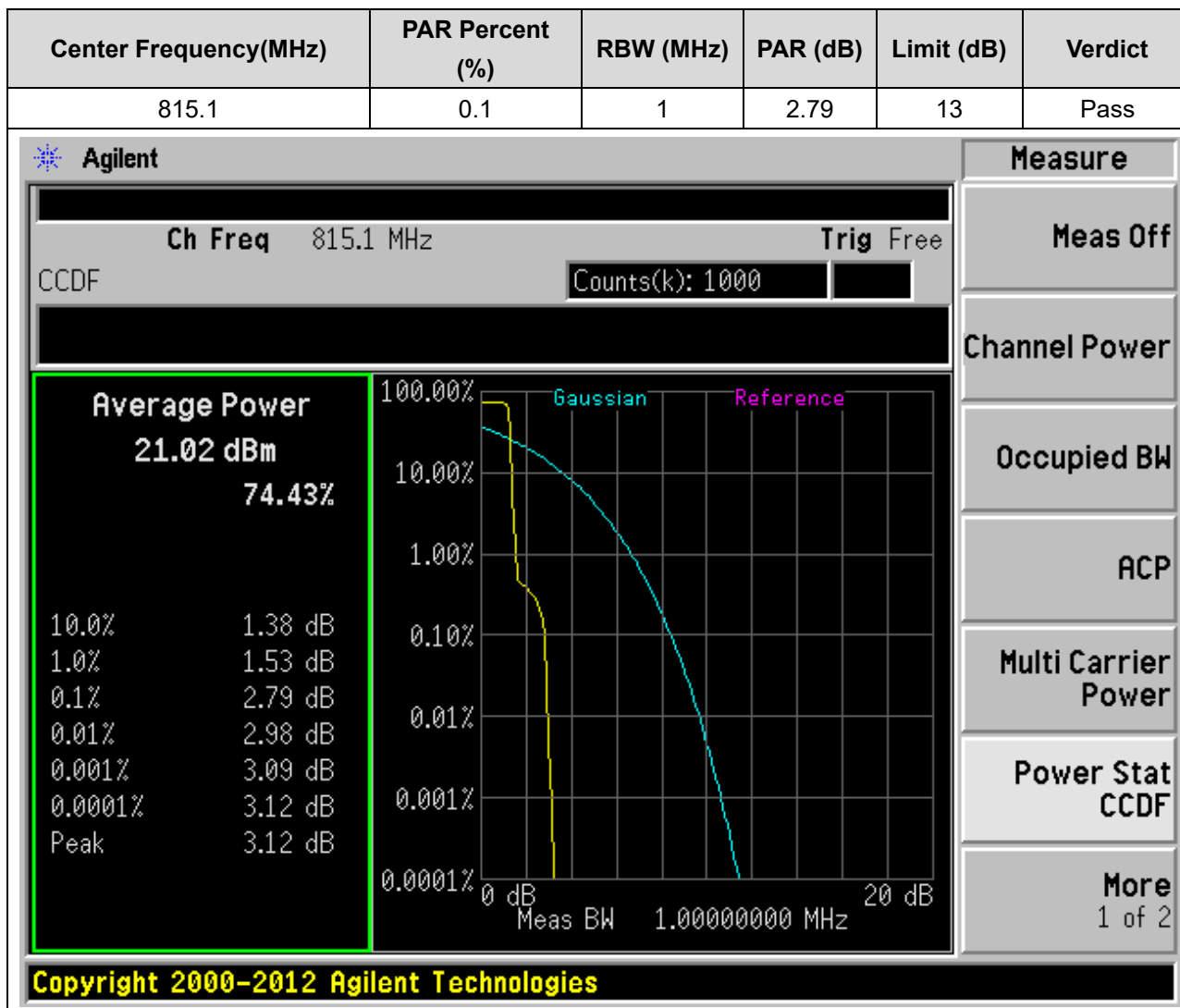
36. NB-IoT_Band19_BPSK_15kHz_1@0_Mid

36.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



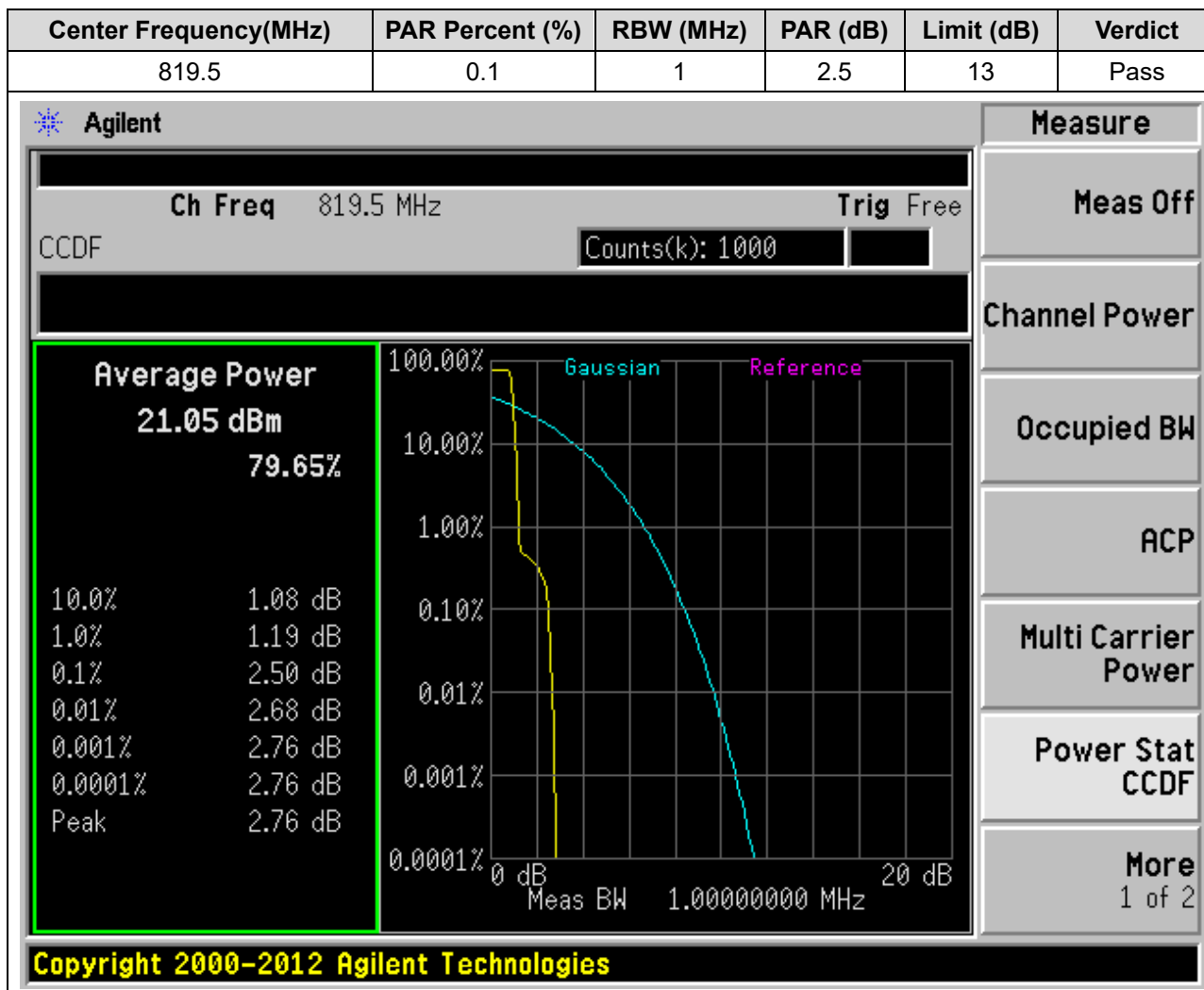
1. NB-IoT_Band18(815-824)_BPSK_3.75kHz_1@0_Low

1.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



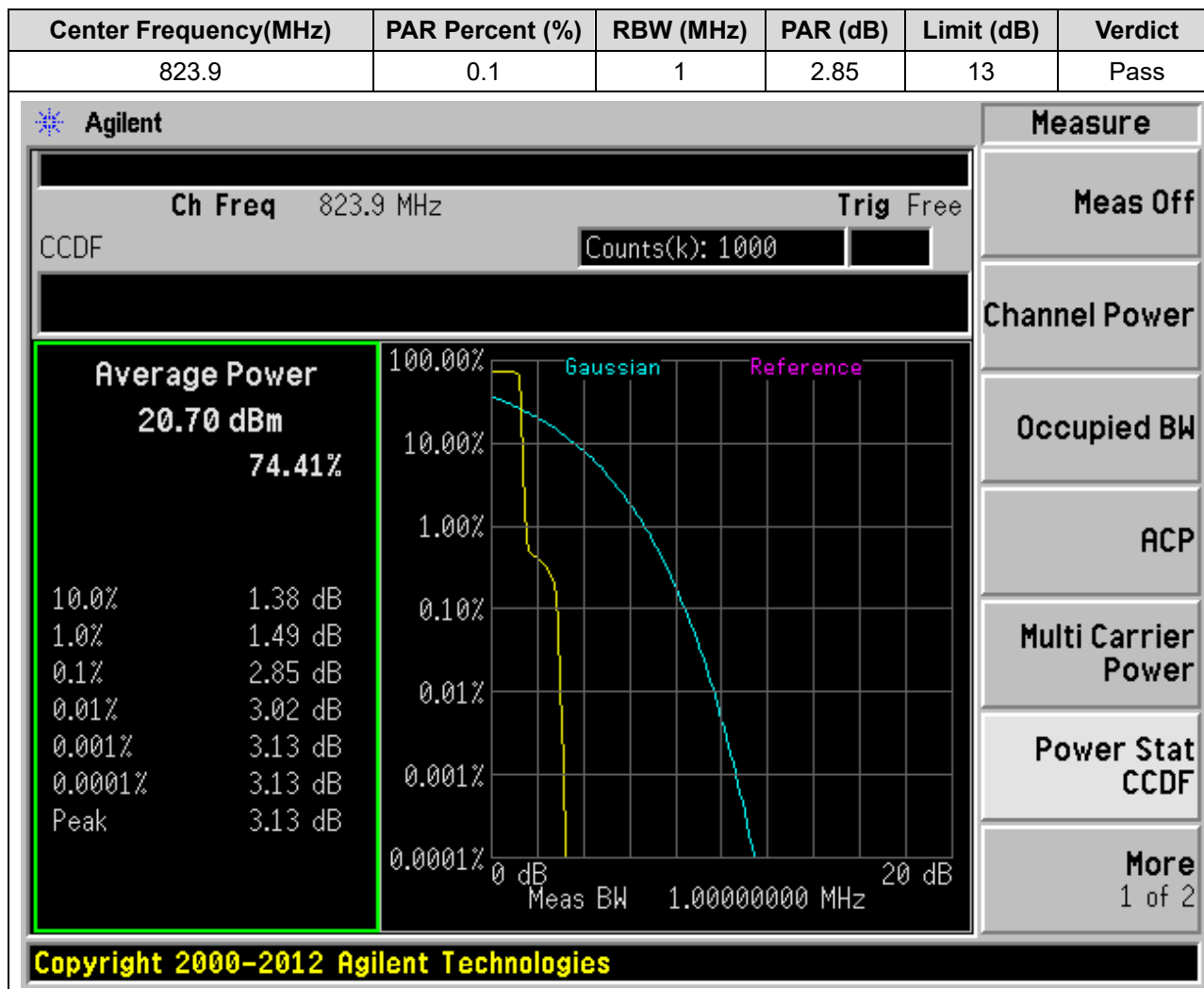
2. NB-IoT_Band18(815-824)_BPSK_3.75kHz_1@0_Mid

2.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



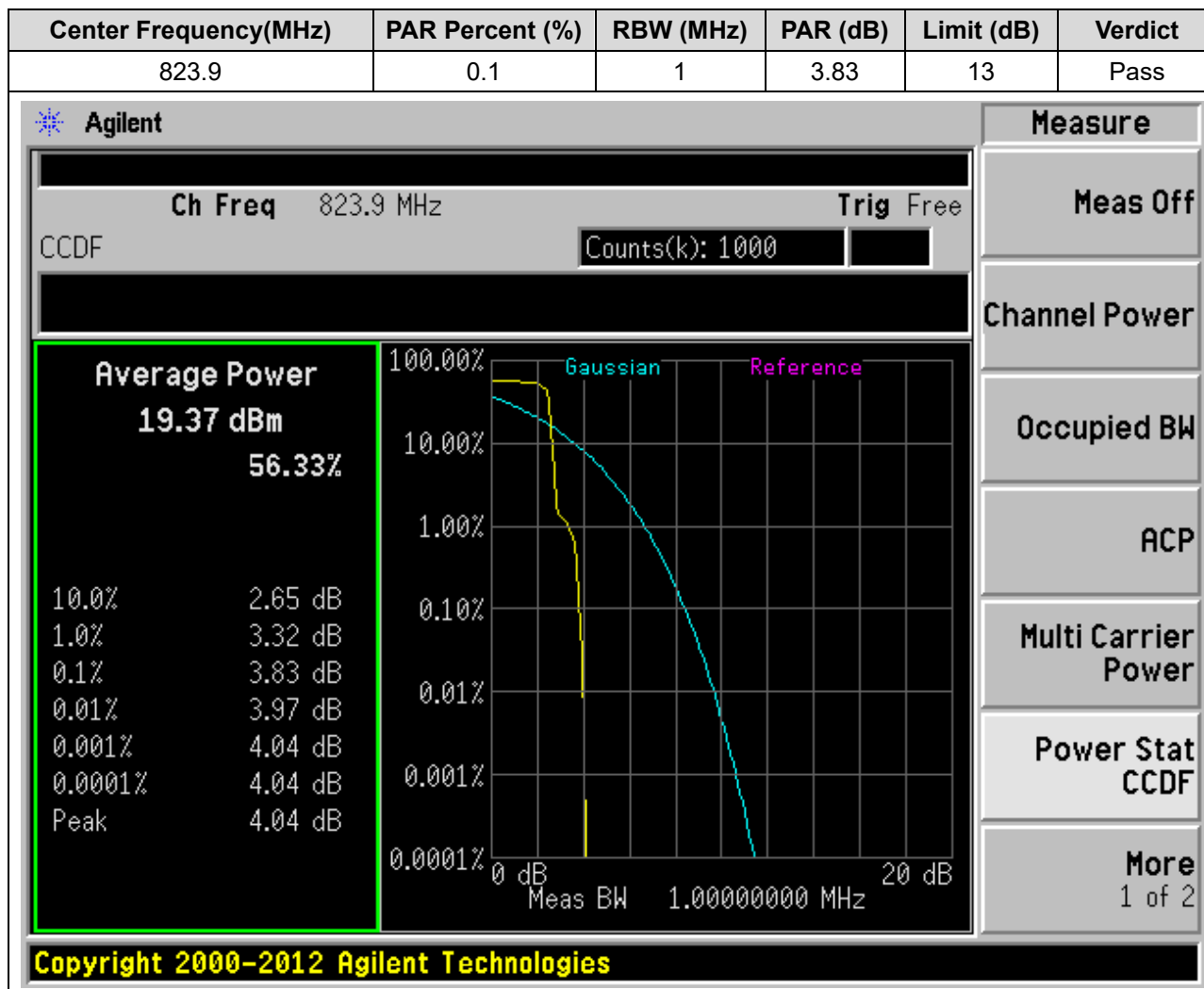
3. NB-IoT_Band18(815-824)_BPSK_3.75kHz_1@0_High

3.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



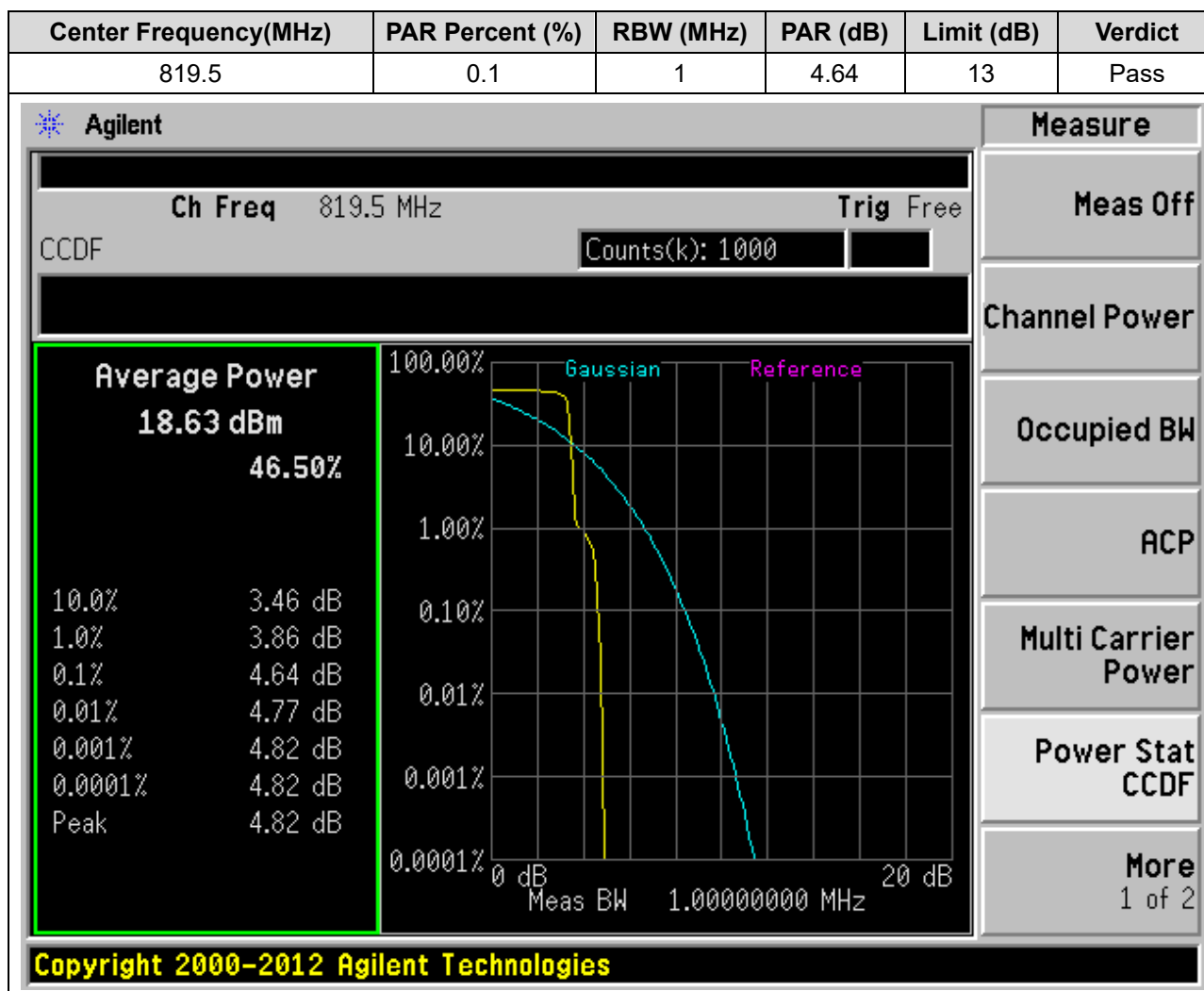
4. NB-IoT_Band18(815-824)_BPSK_15kHz_1@0_High

4.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



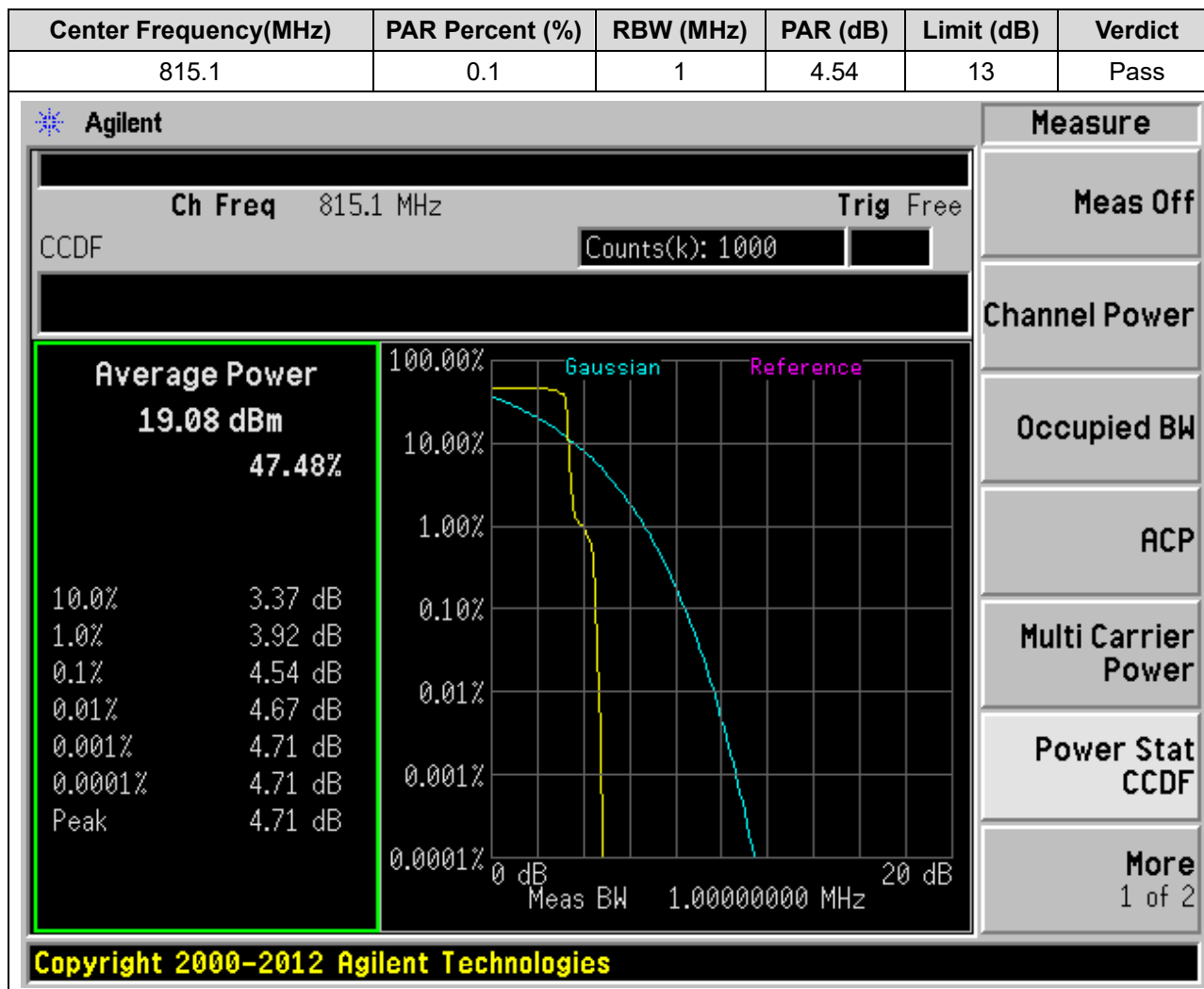
5. NB-IoT_Band18(815-824)_BPSK_15kHz_1@0_Mid

5.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



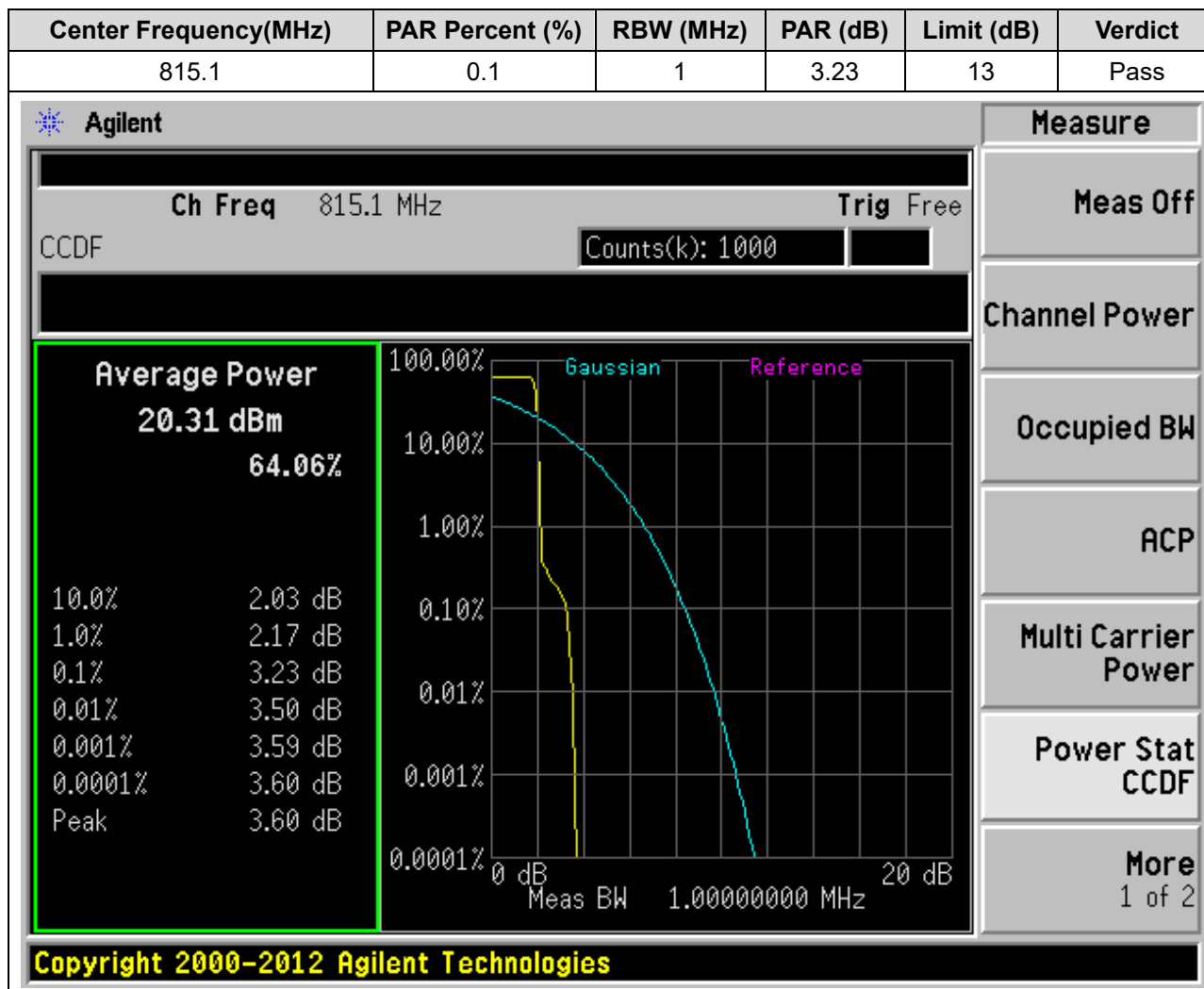
6. NB-IoT_Band18(815-824)_BPSK_15kHz_1@0_Low

6.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



7. NB-IoT_Band18(815-824)_QPSK_3.75kHz_1@0_Low

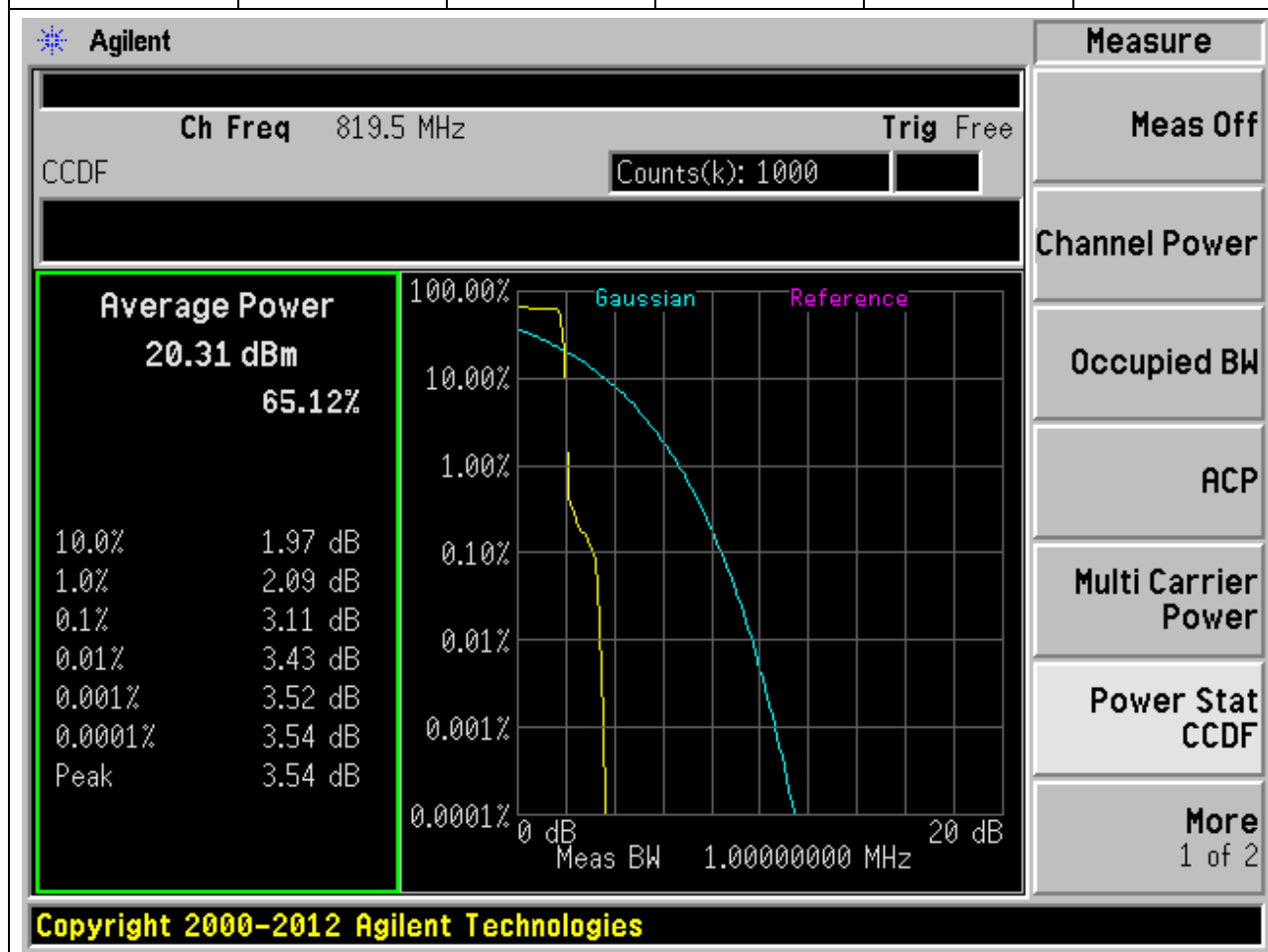
7.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



8. NB-IoT_Band18(815-824)_QPSK_3.75kHz_1@0_Mid

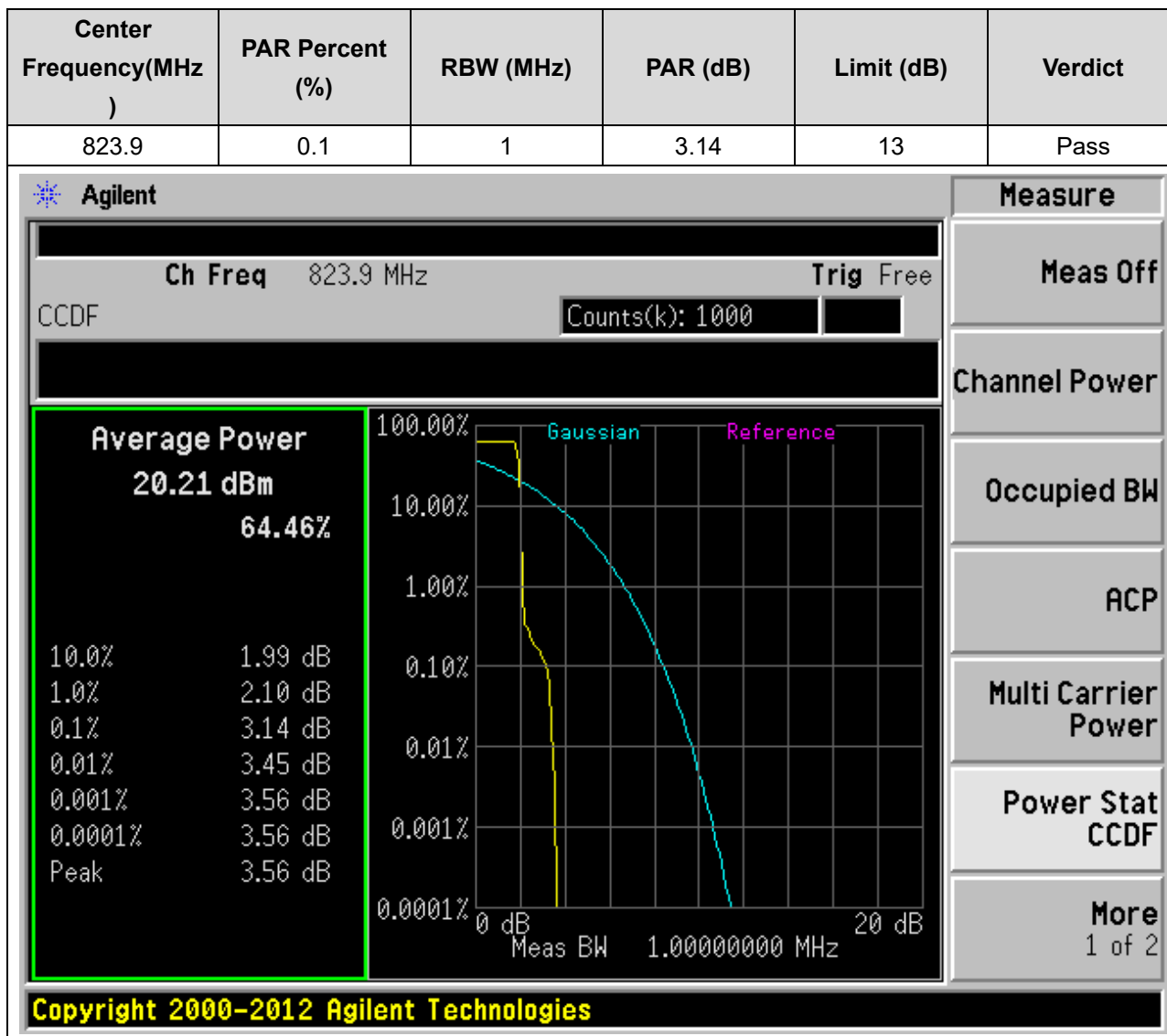
8.1. NB-IoT Peak to Average Ratio_Part90(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
819.5	0.1	1	3.11	13	Pass



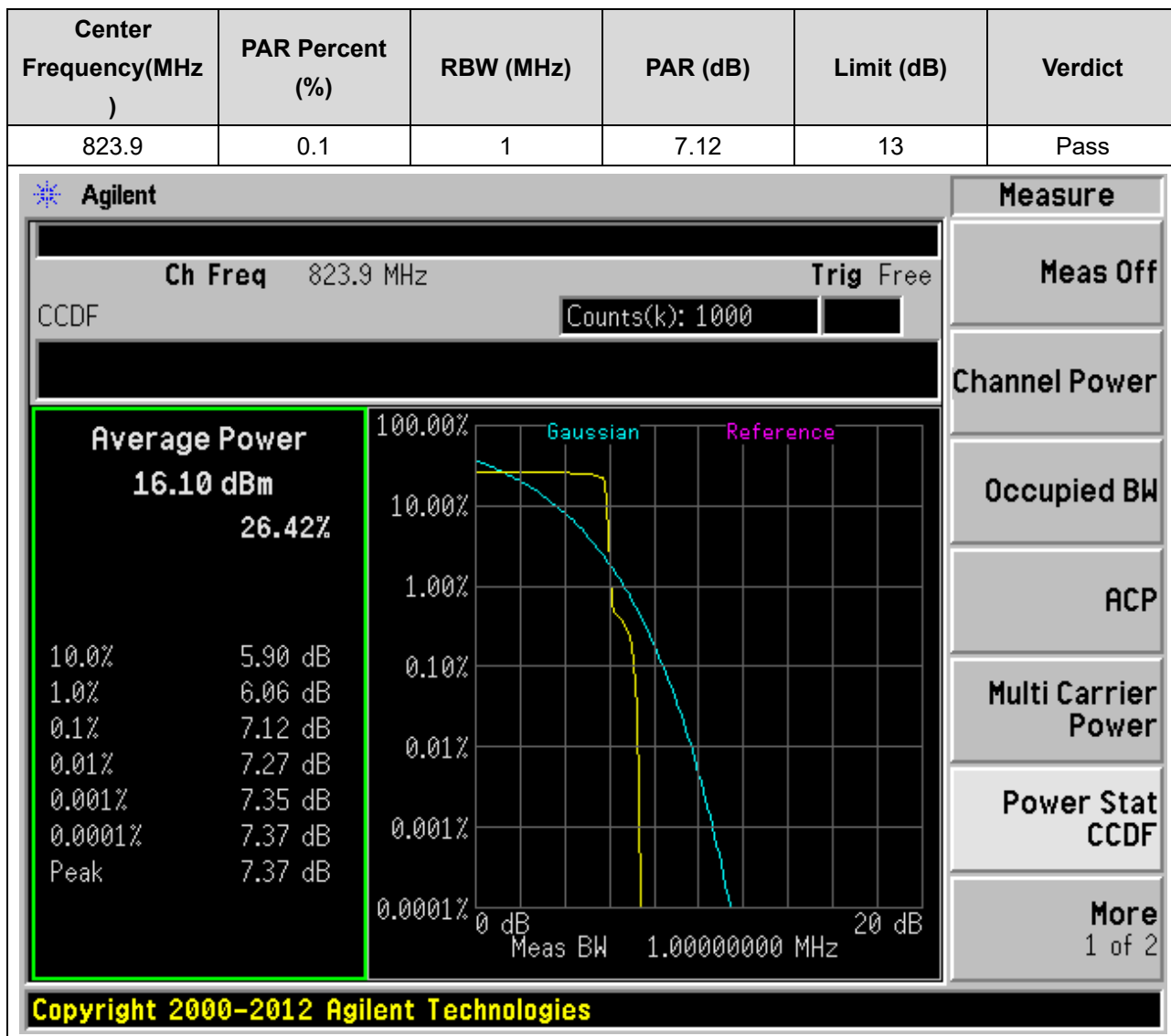
9. NB-IoT_Band18(815-824)_QPSK_3.75kHz_1@0_High

9.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



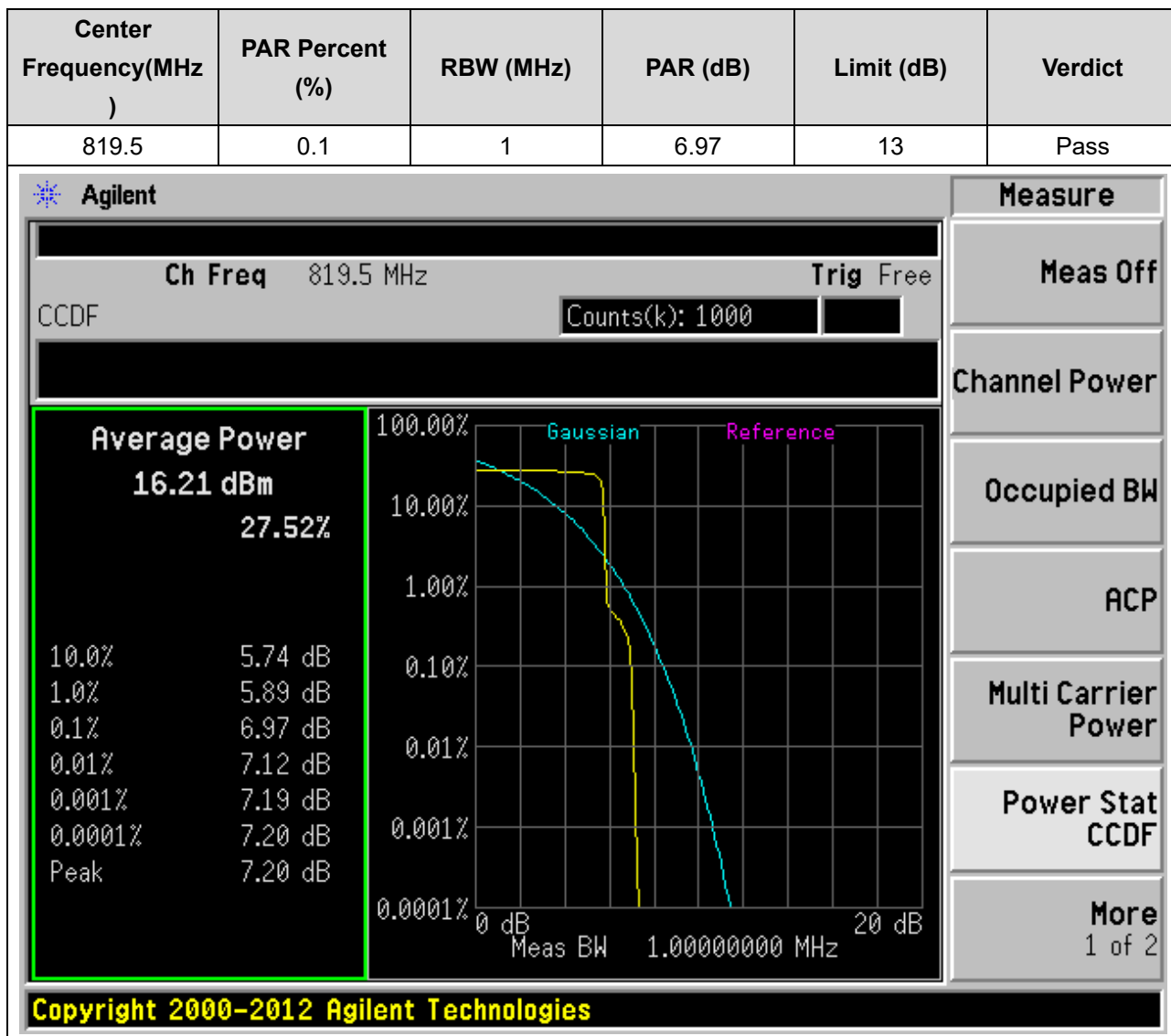
10. NB-IoT_Band18(815-824)_QPSK_15kHz_1@0_High

10.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



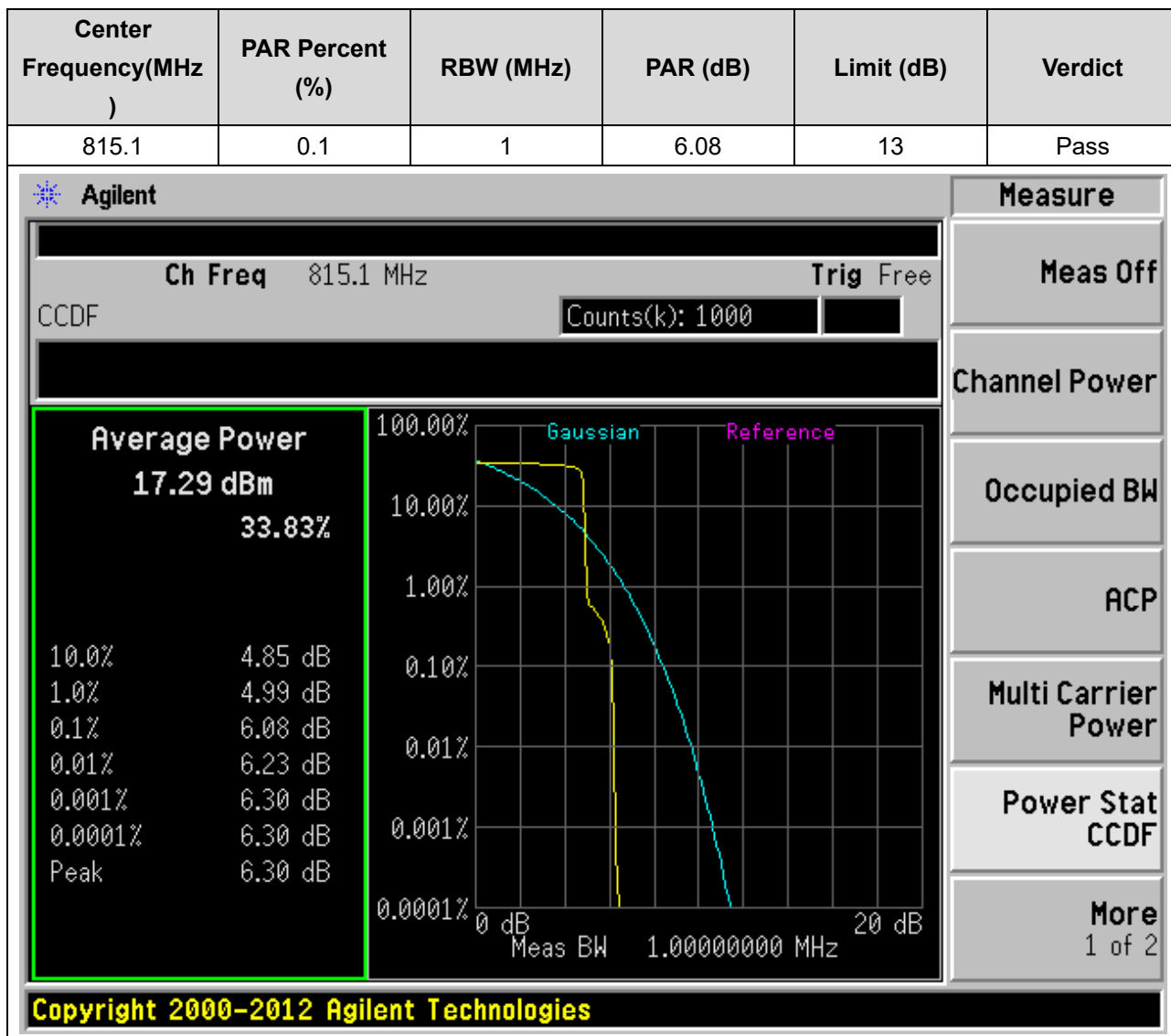
11. NB-IoT_Band18(815-824)_QPSK_15kHz_1@0_Mid

11.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



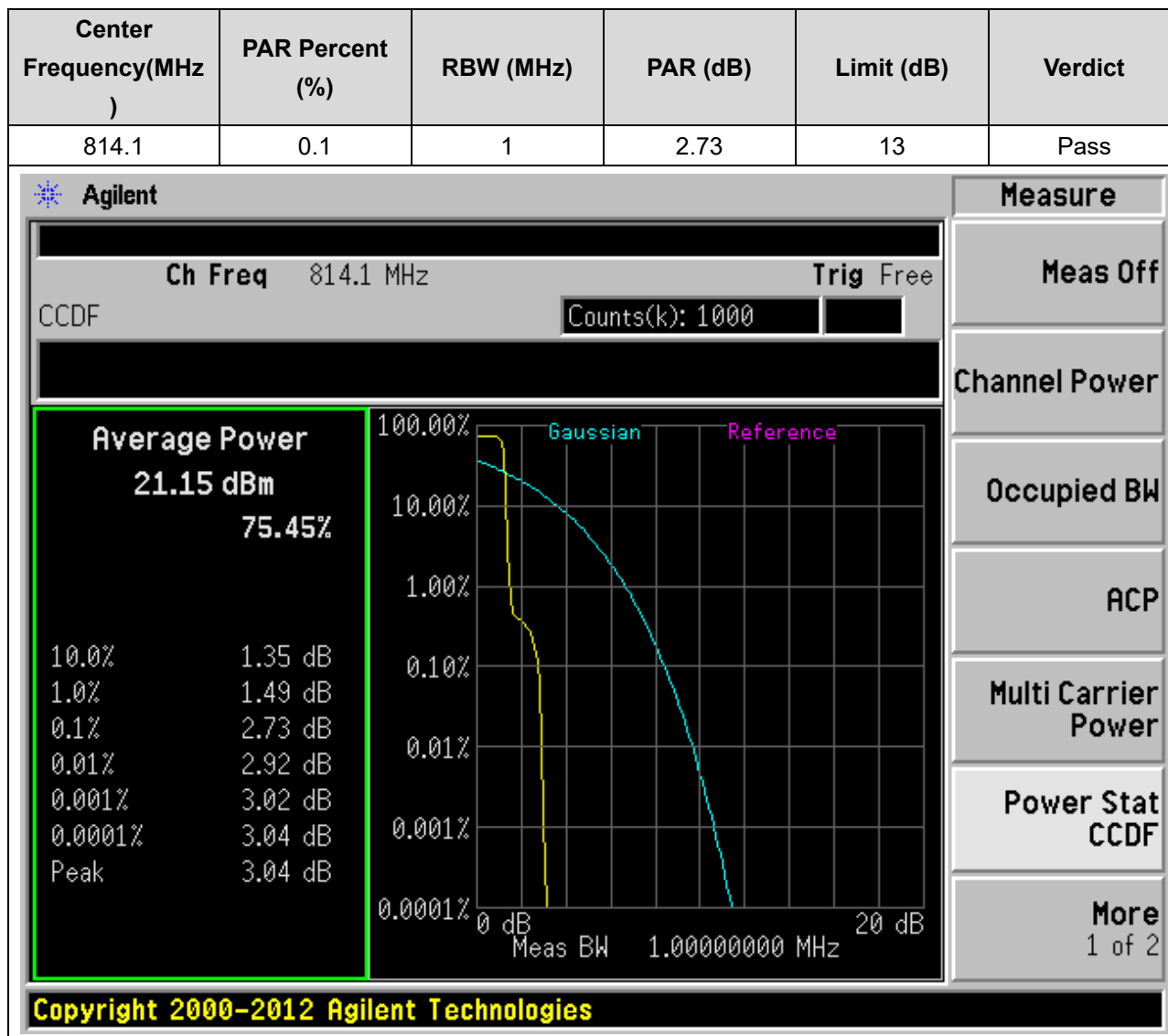
12. NB-IoT_Band18(815-824)_QPSK_15kHz_1@0_Low

12.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



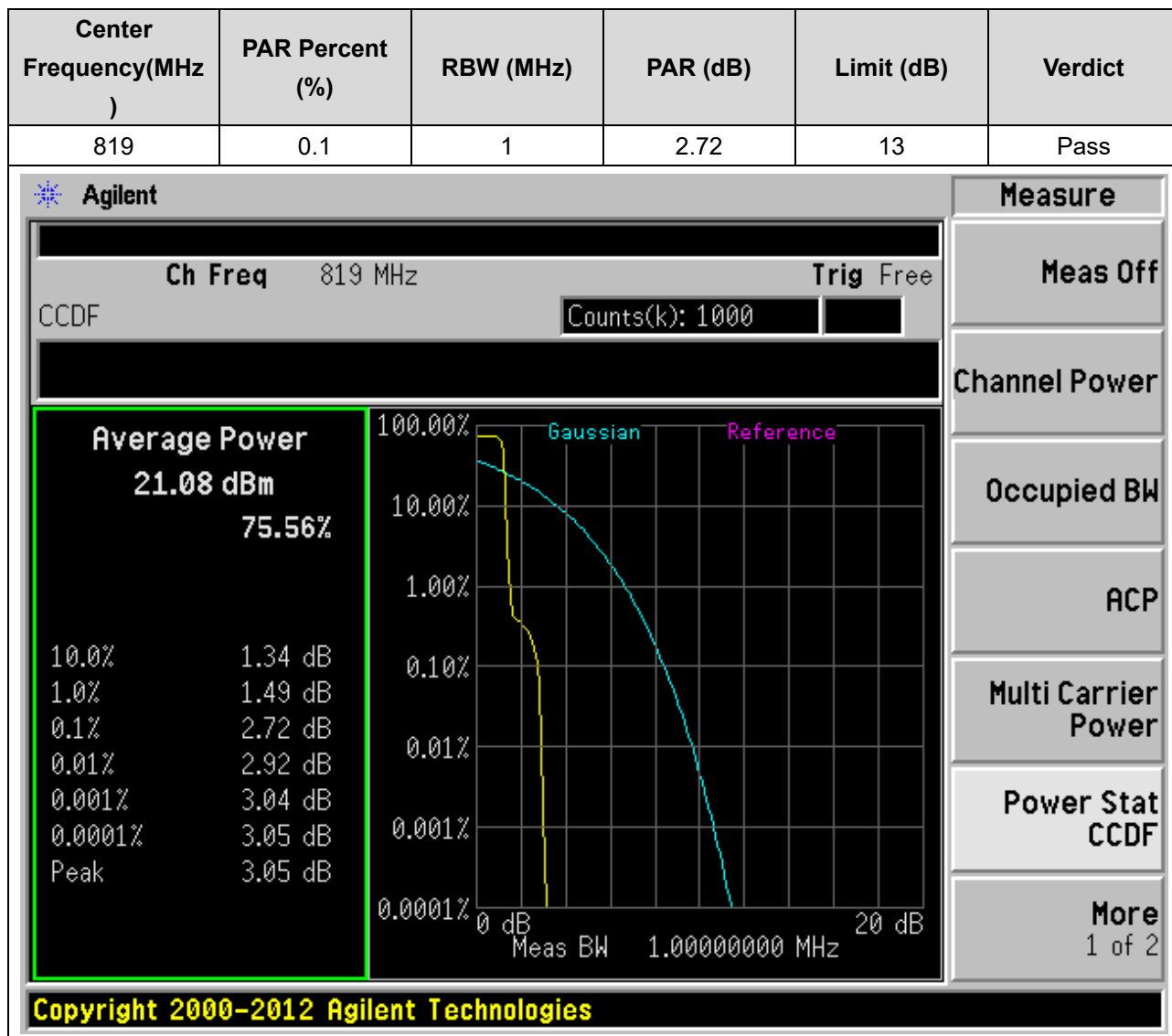
13. NB-IoT_Band26(part90)_BPSK_3.75kHz_1@0_Low

13.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



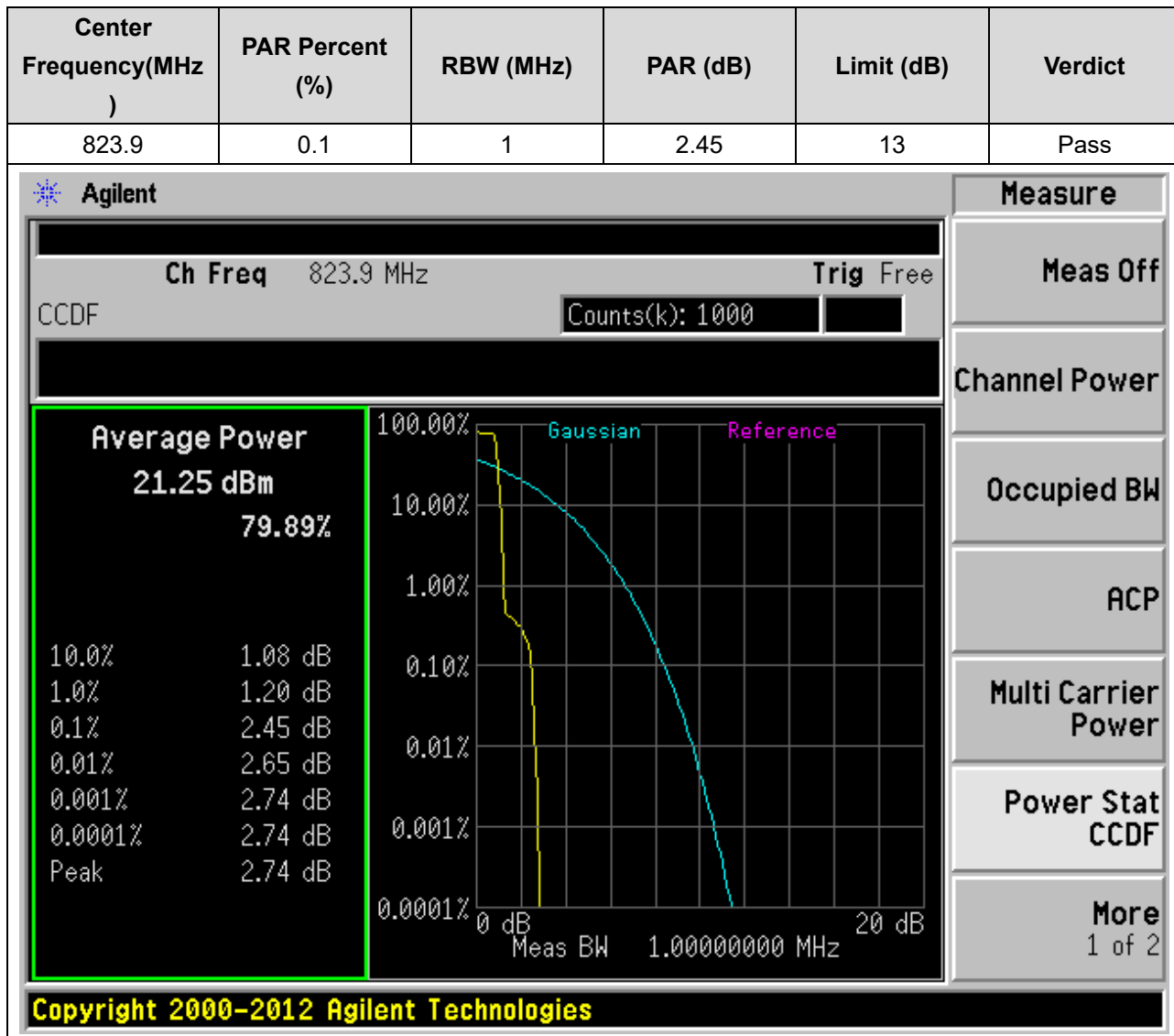
14. NB-IoT_Band26(part90)_BPSK_3.75kHz_1@0_Mid

14.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



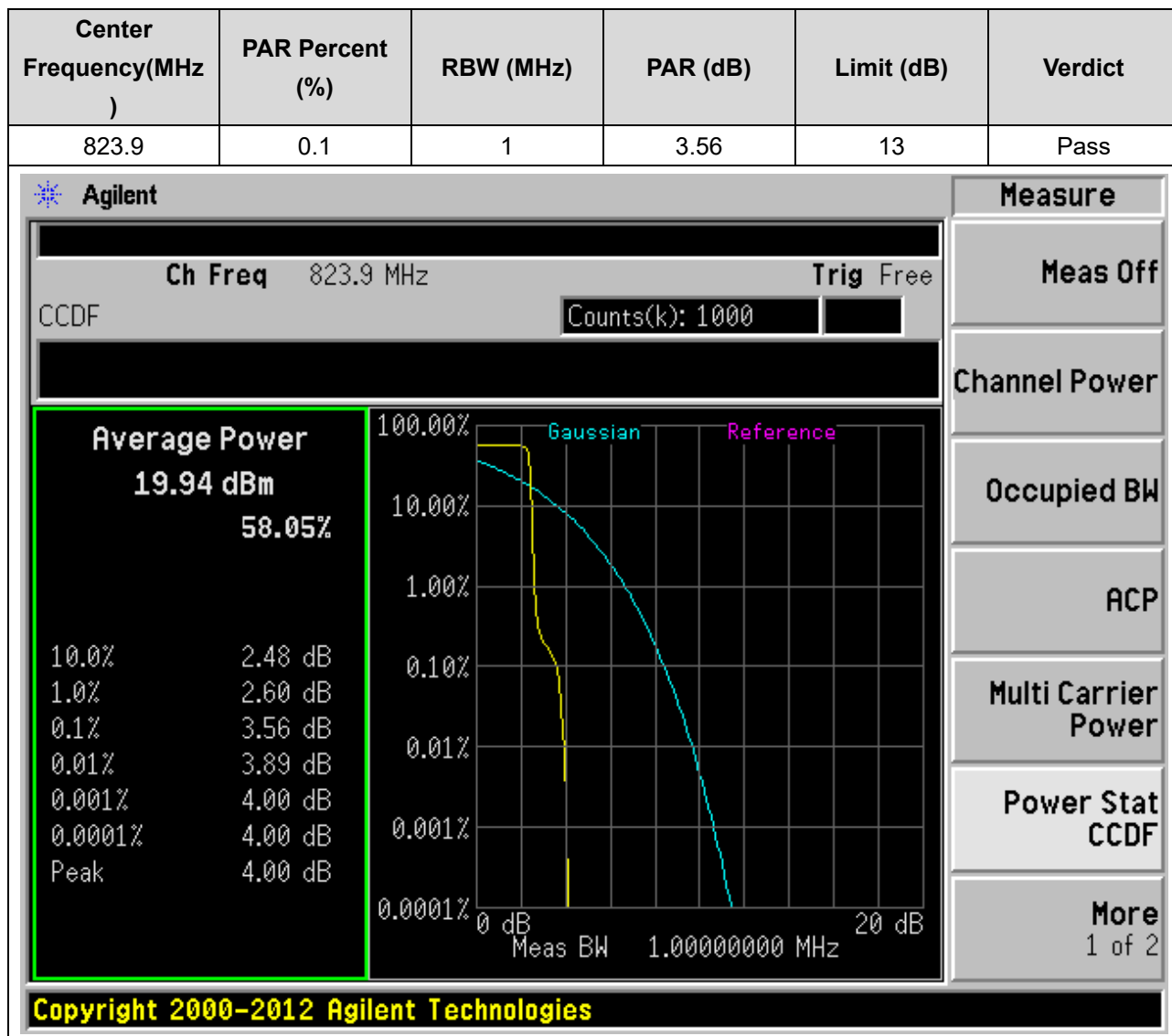
15. NB-IoT_Band26(part90)_BPSK_3.75kHz_1@0_High

15.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



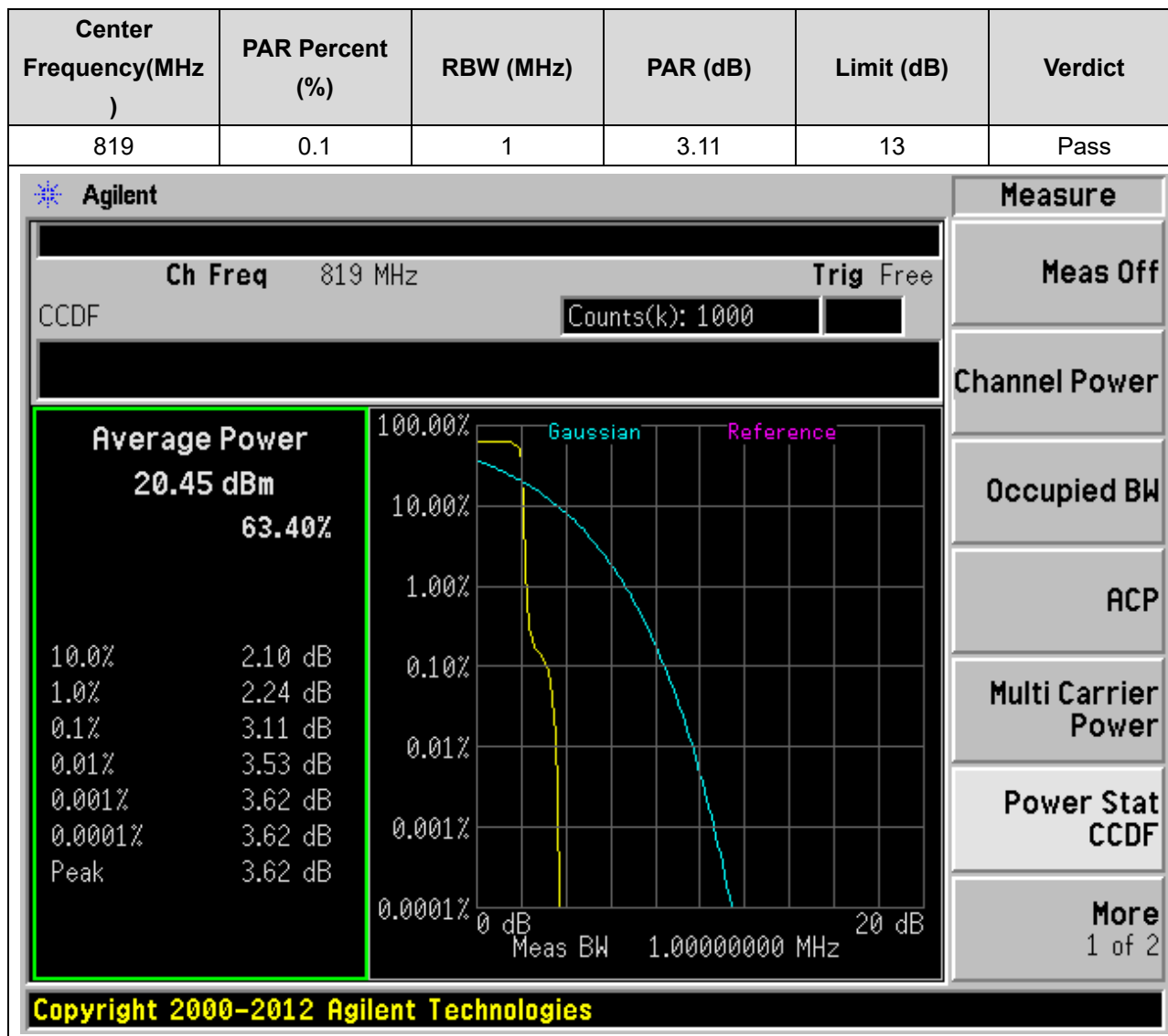
16. NB-IoT_Band26(part90)_QPSK_3.75kHz_1@0_High

16.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



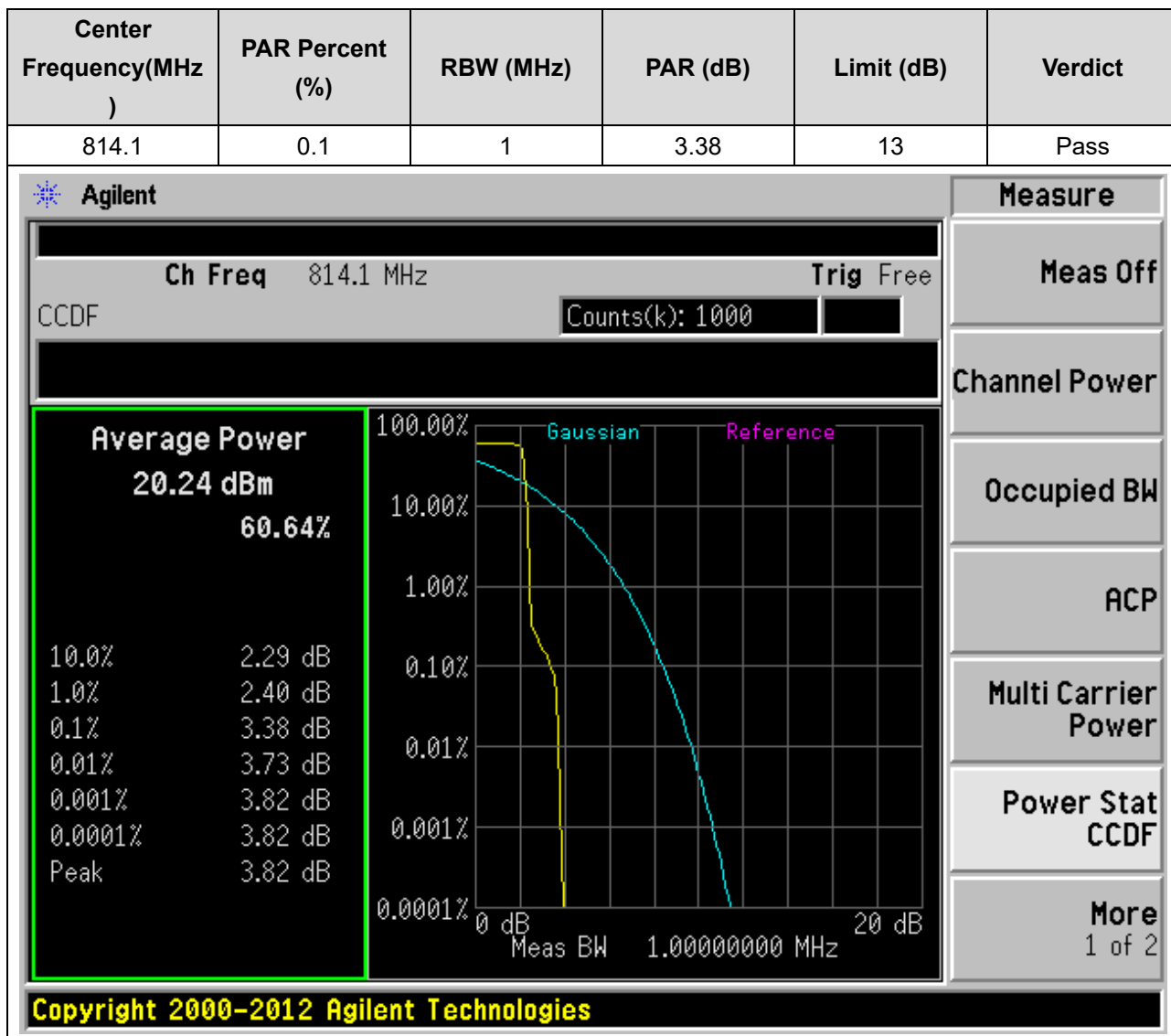
17. NB-IoT_Band26(part90)_QPSK_3.75kHz_1@0_Mid

17.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



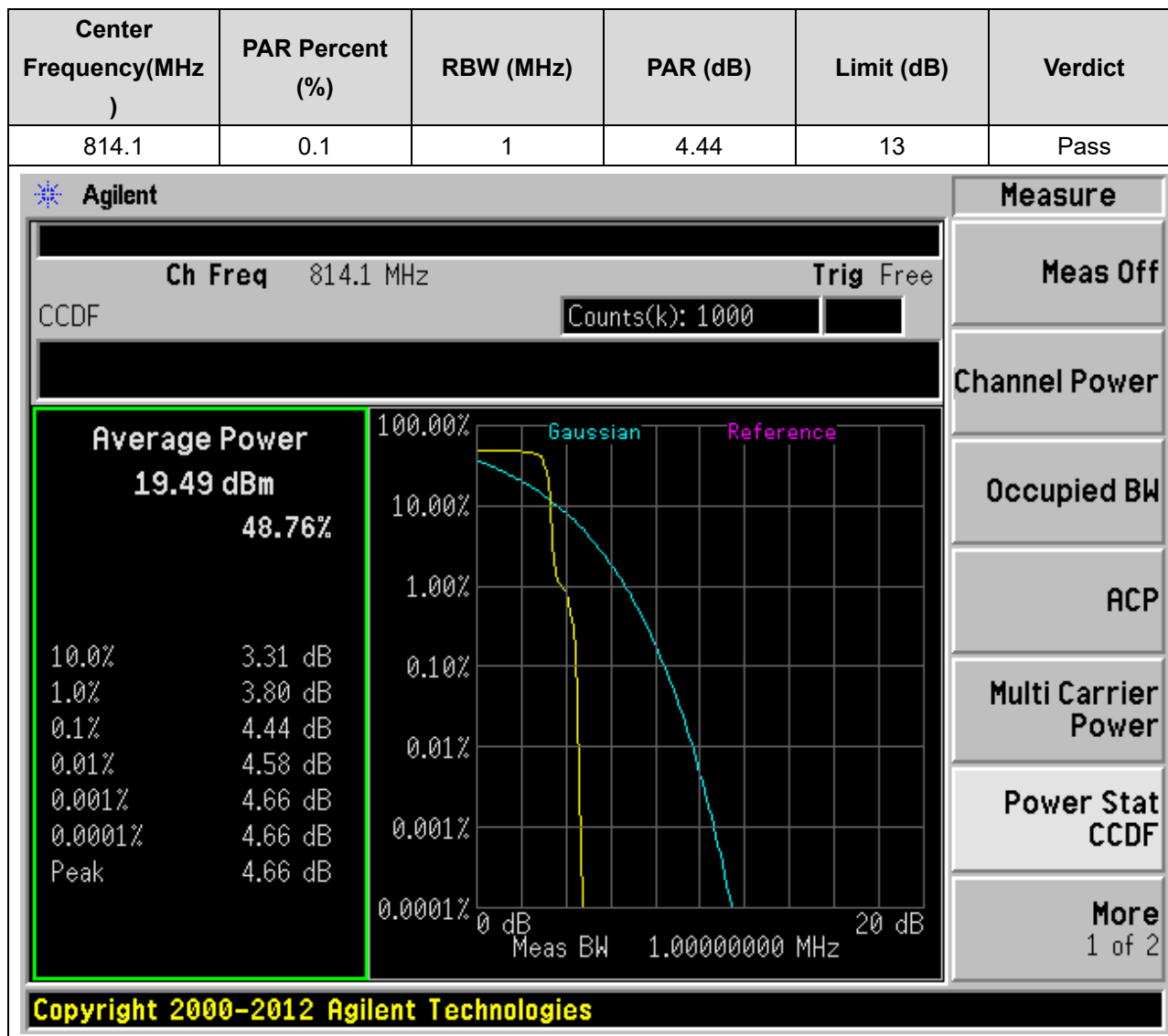
18. NB-IoT_Band26(part90)_QPSK_3.75kHz_1@0_Low

18.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



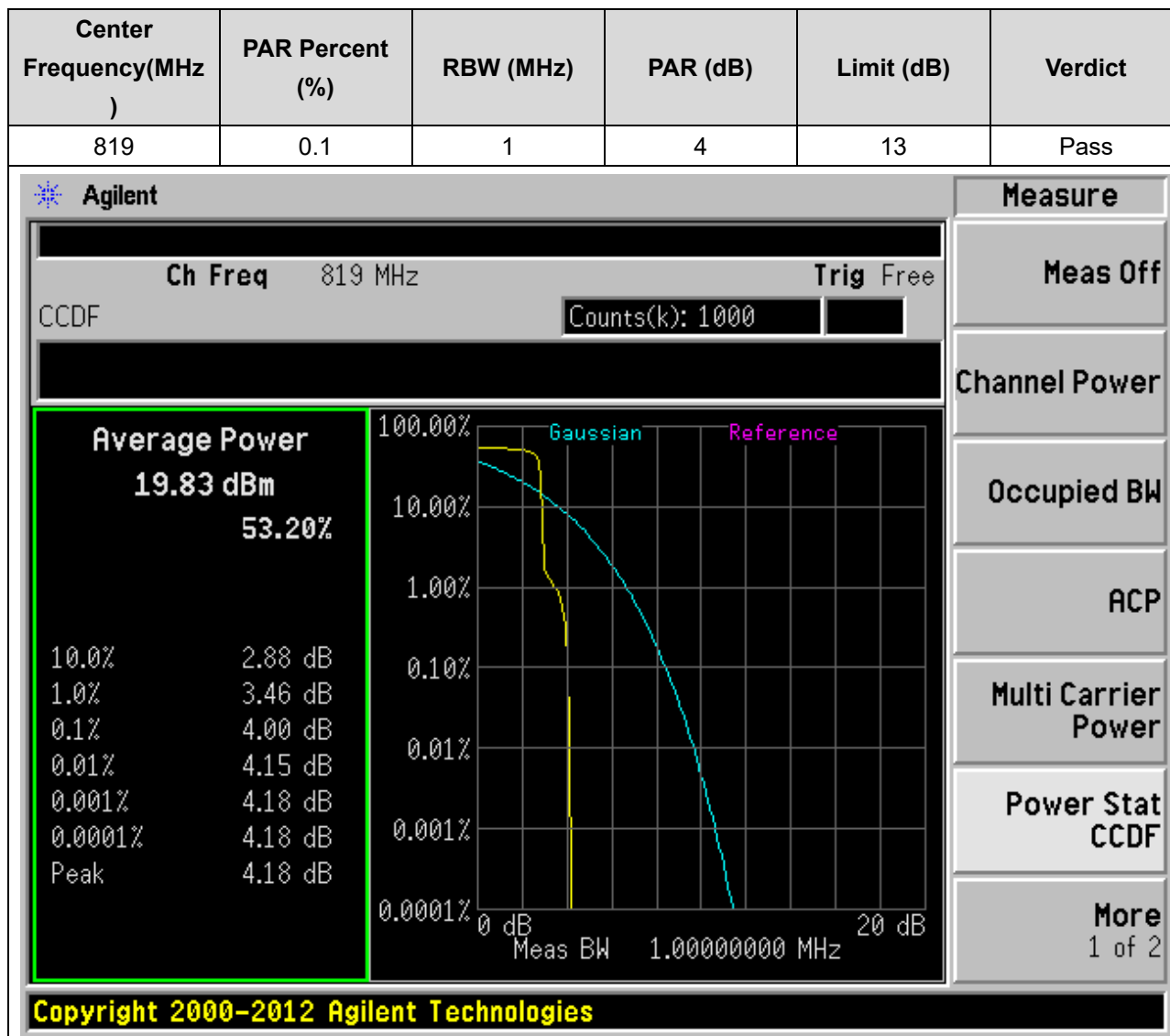
19. NB-IoT_Band26(part90)_BPSK_15kHz_1@0_Low

19.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



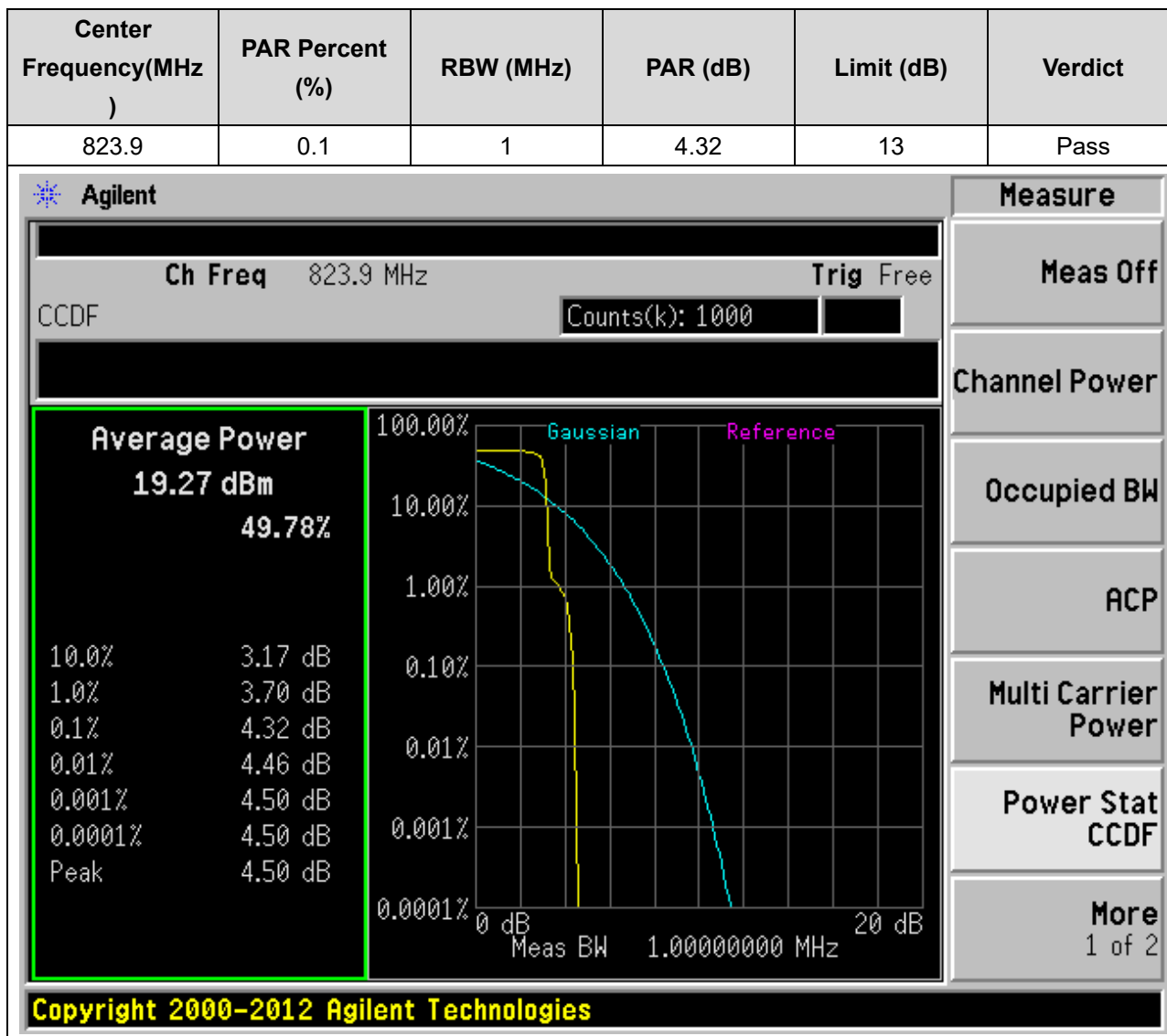
20. NB-IoT_Band26(part90)_BPSK_15kHz_1@0_Mid

20.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



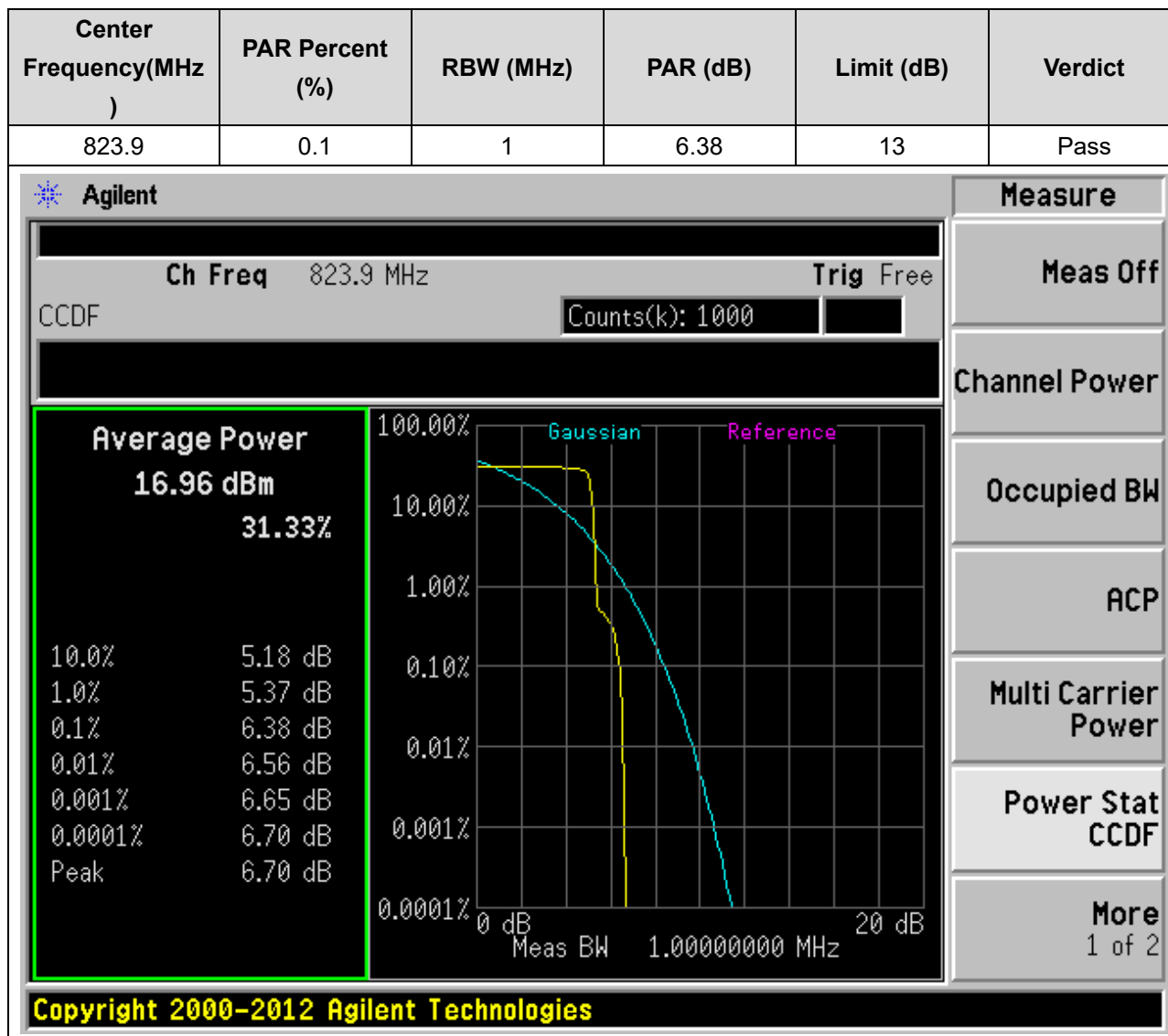
21. NB-IoT_Band26(part90)_BPSK_15kHz_1@0_High

21.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



22. NB-IoT_Band26(part90)_QPSK_15kHz_1@0_High

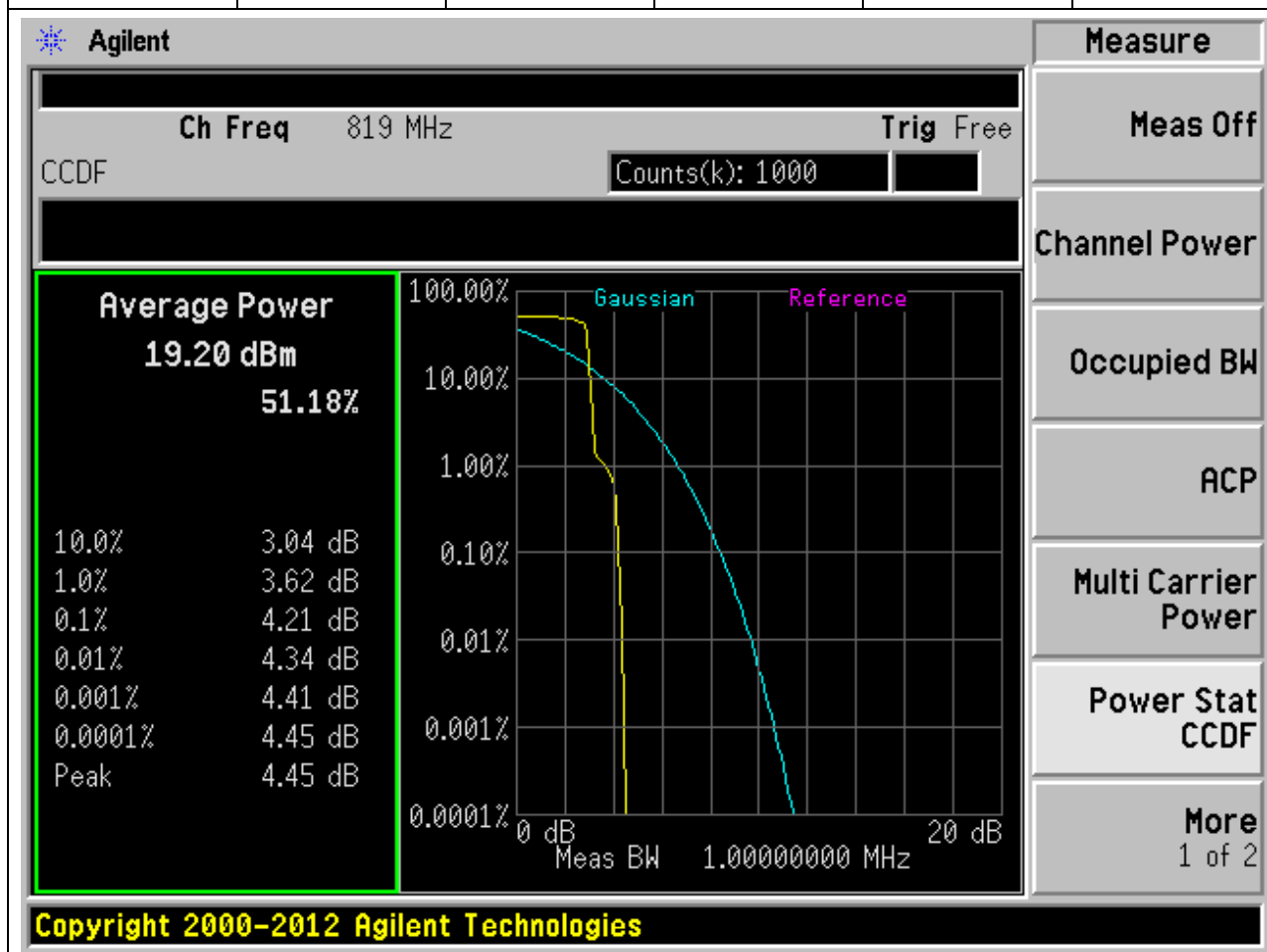
22.1. NB-IoT Peak to Average Ratio_Part90(NTNV)



23. NB-IoT_Band26(part90)_QPSK_15kHz_1@0_Mid

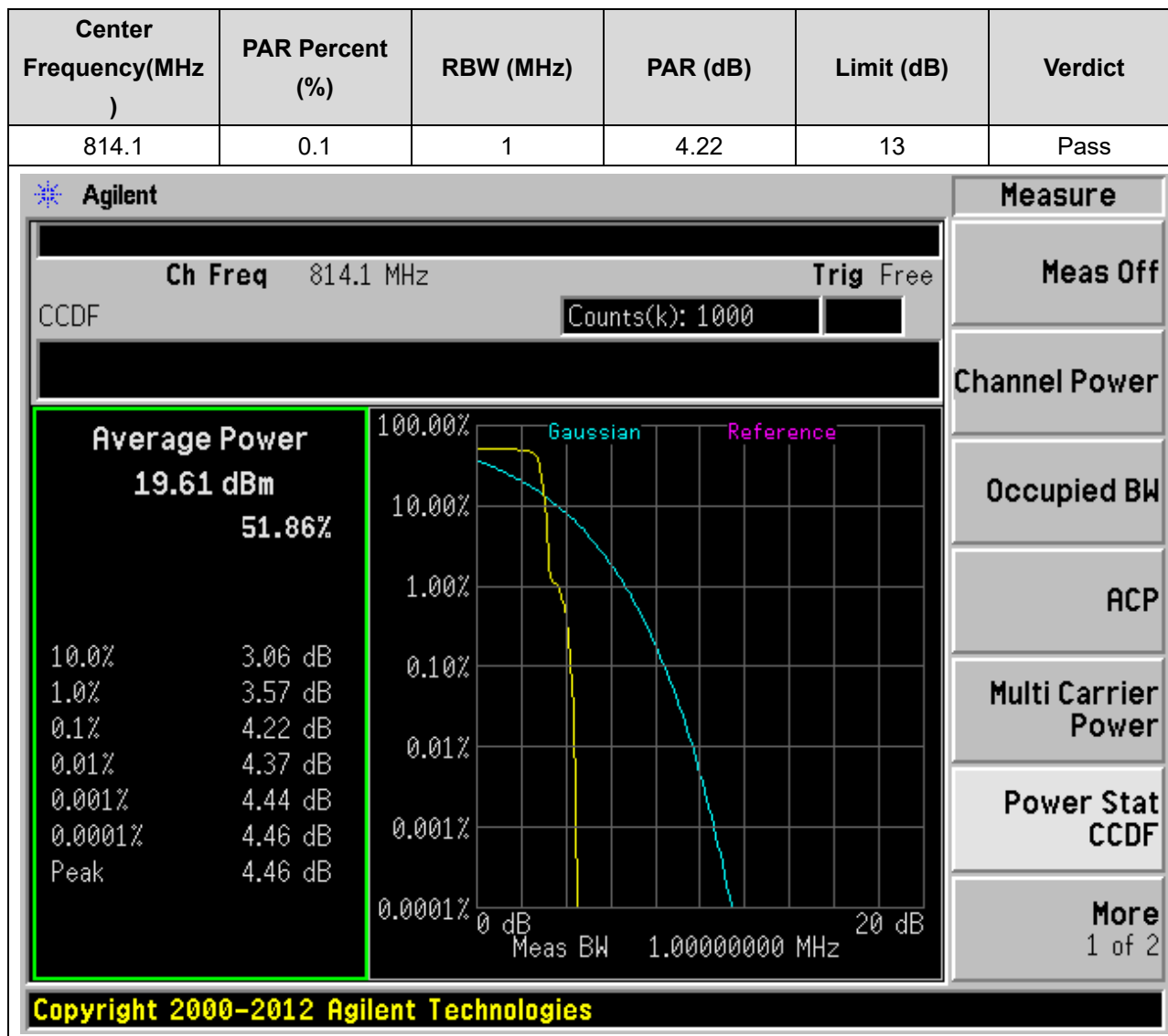
23.1. NB-IoT Peak to Average Ratio_Part90(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
819	0.1	1	4.21	13	Pass



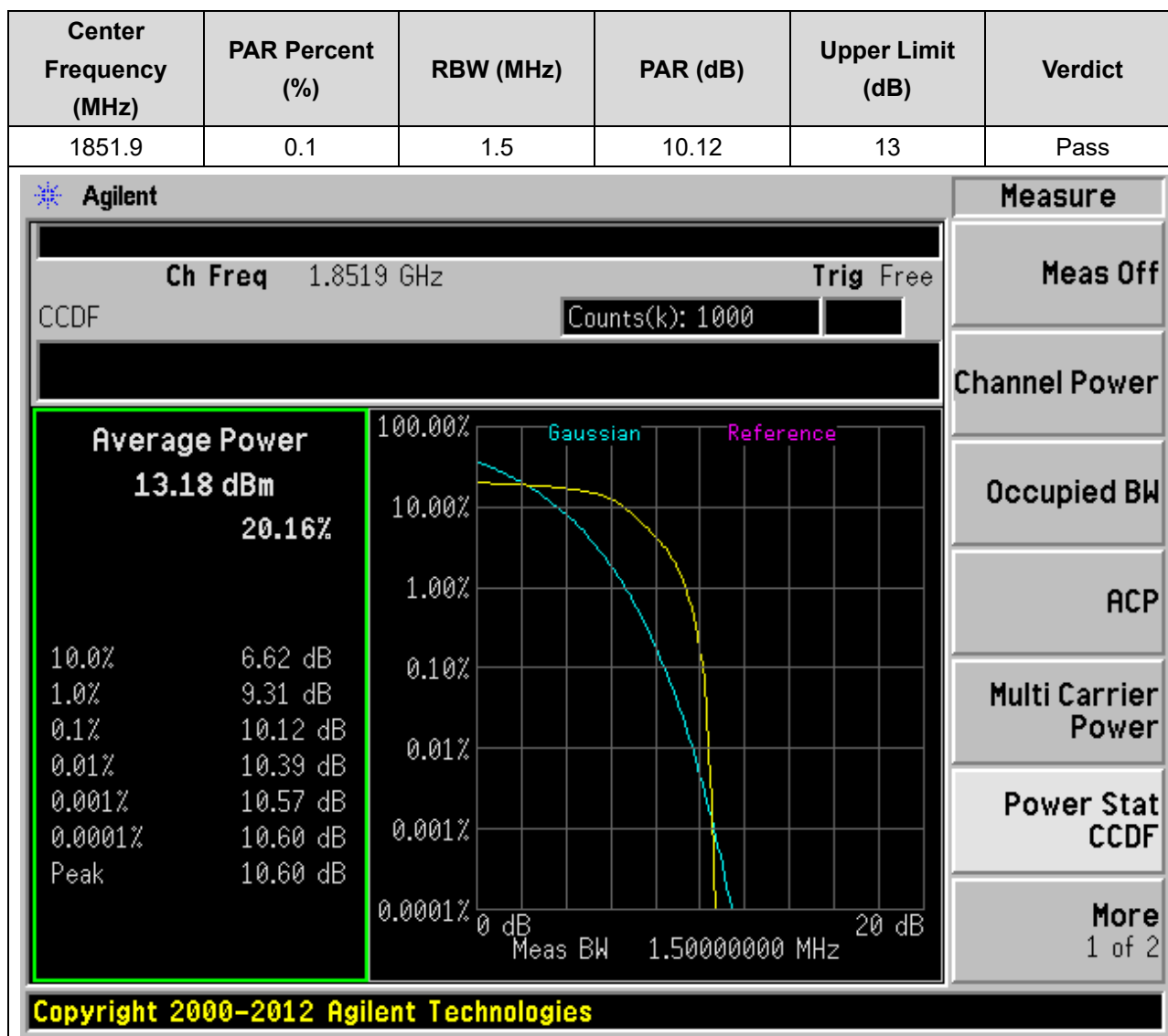
24. NB-IoT_Band26(part90)_QPSK_15kHz_1@0_Low

24.1. NB-IoT Peak to Average Ratio_Part90(NTNV)

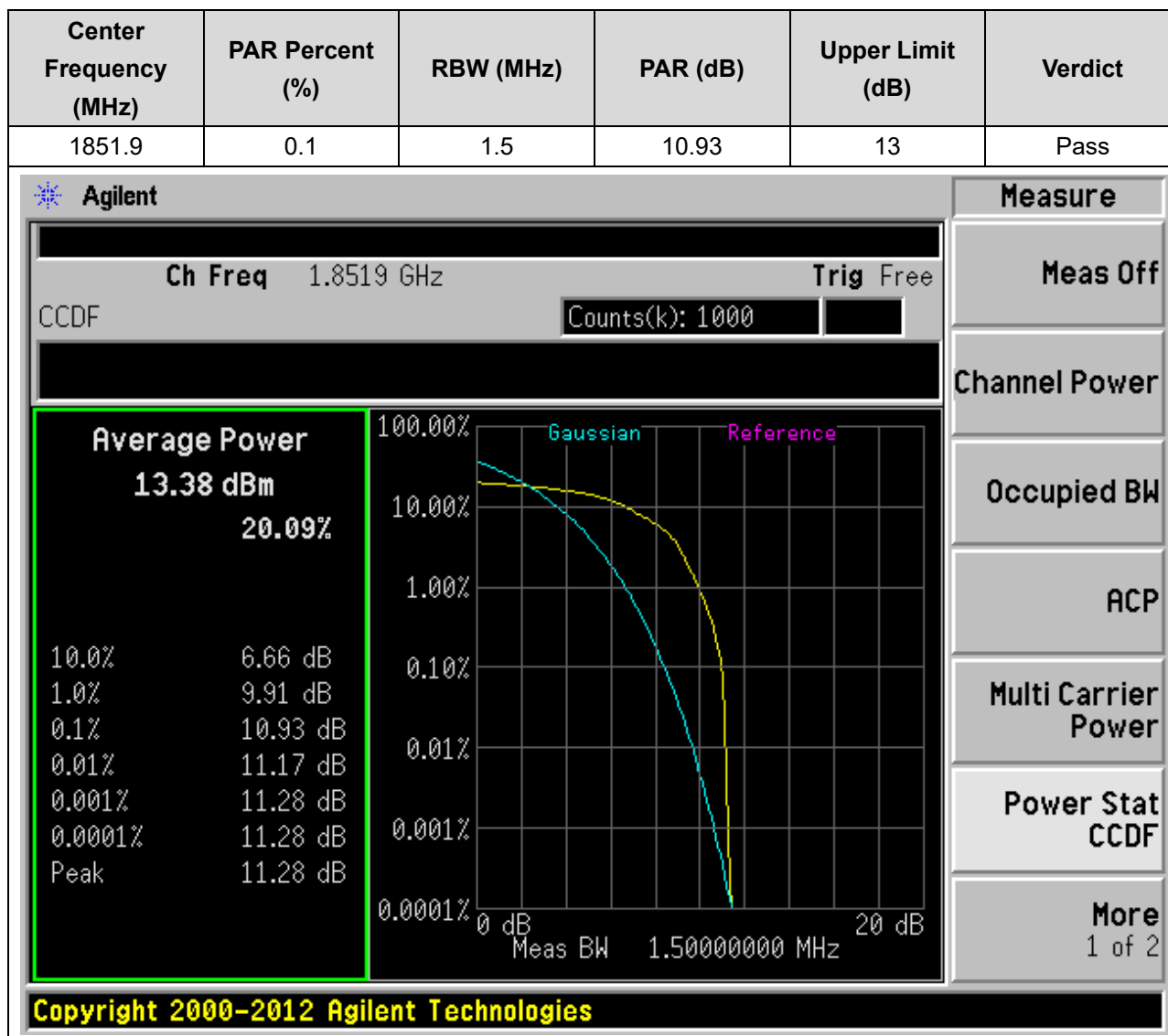


1. Cat-M_Band2

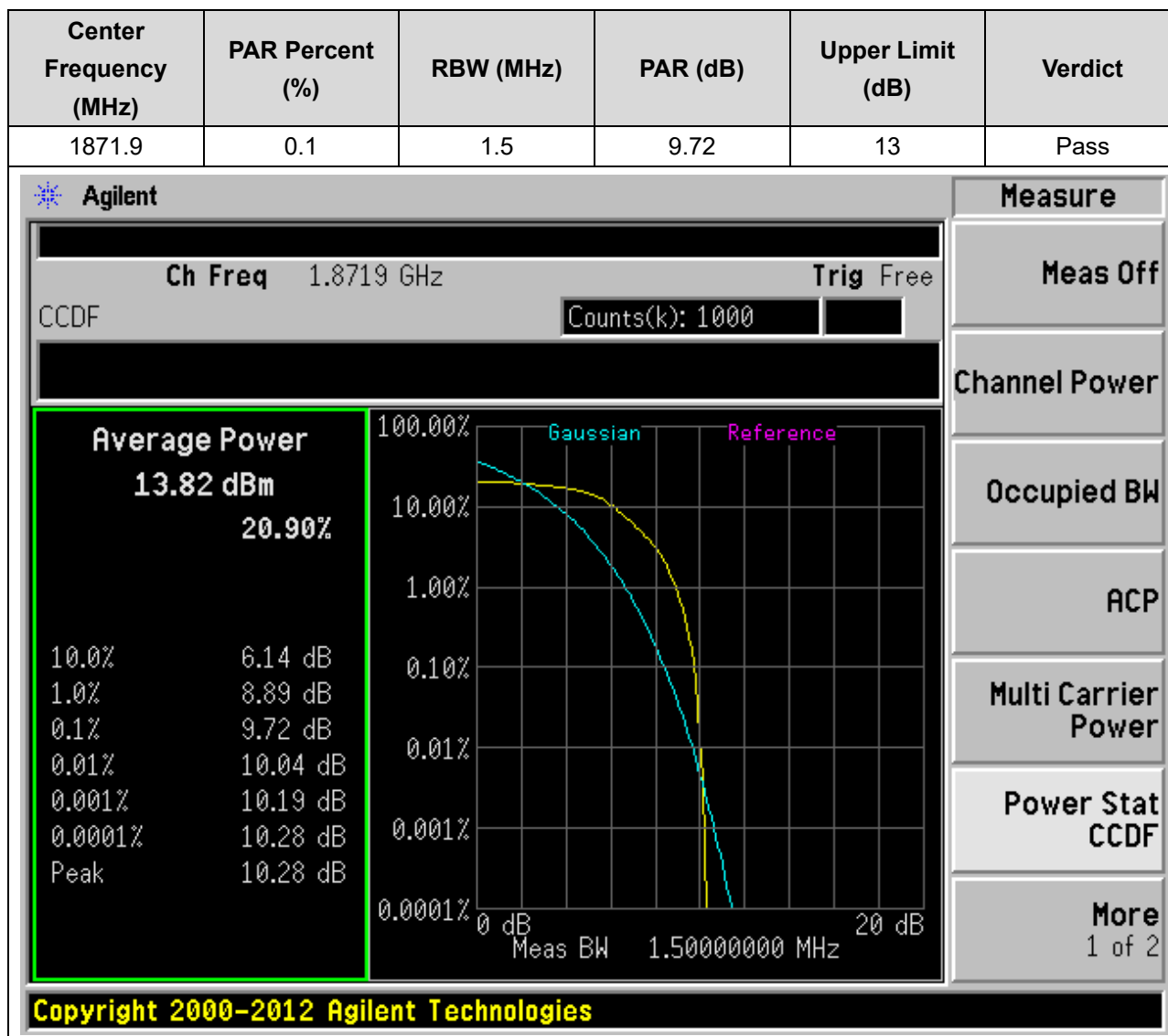
1.7. Cat-M Peak to Average Ratio_Part22-24-27(Channel:18700, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)



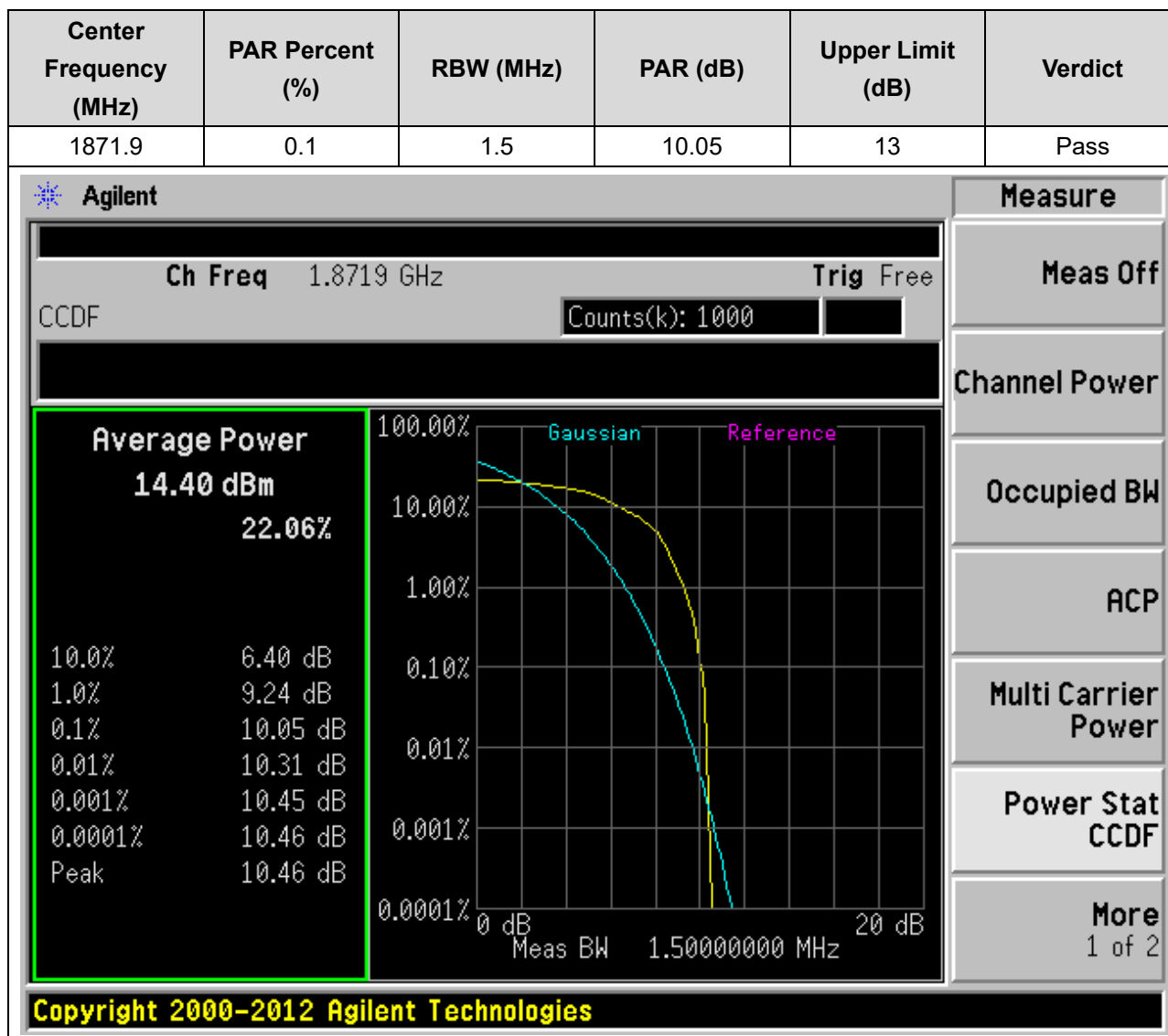
1.8. Cat-M Peak to Average Ratio_Part22-24-27(Channel:18700, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



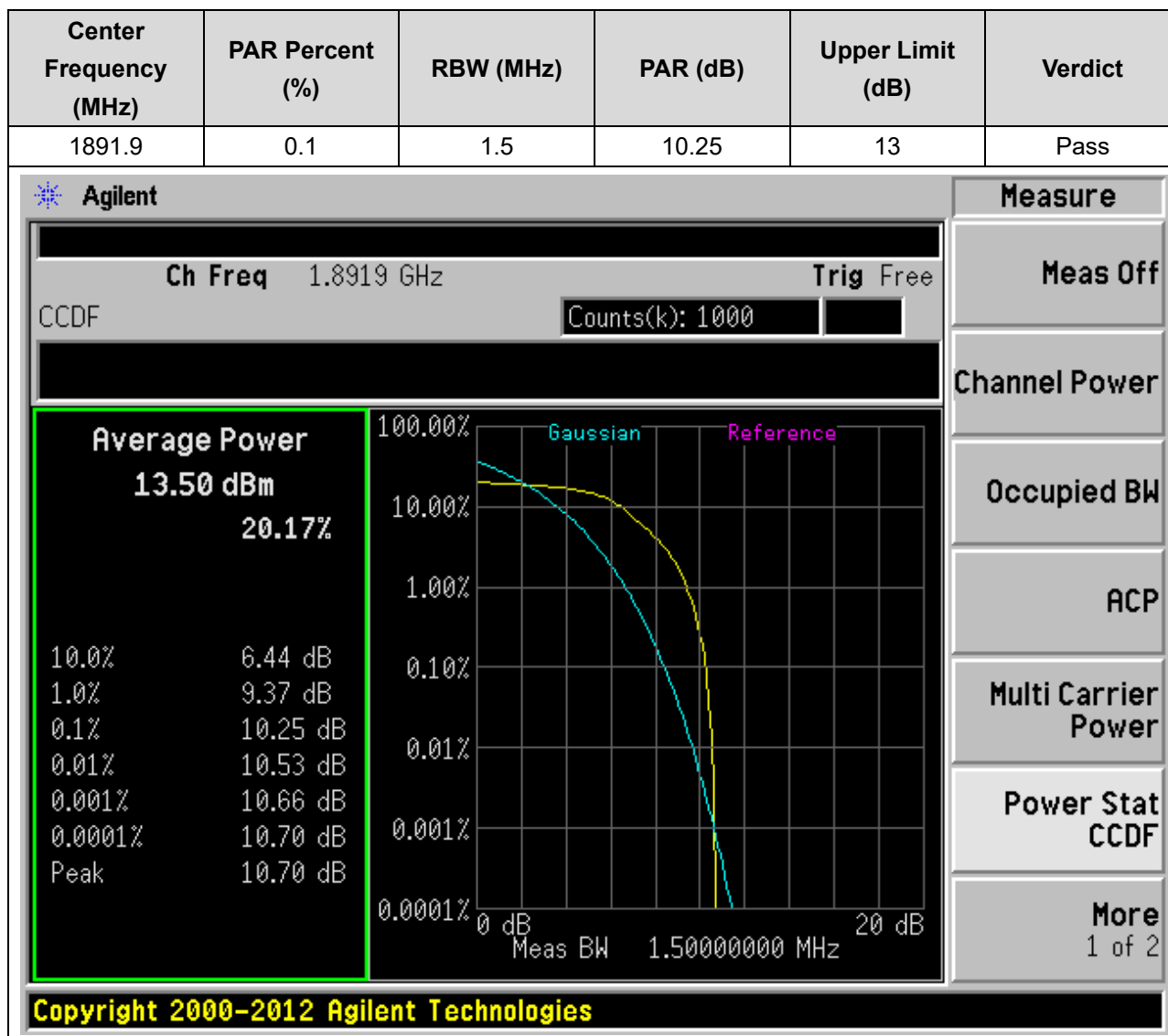
1.9. Cat-M Peak to Average Ratio_Part22-24-27(Channel:18900, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)



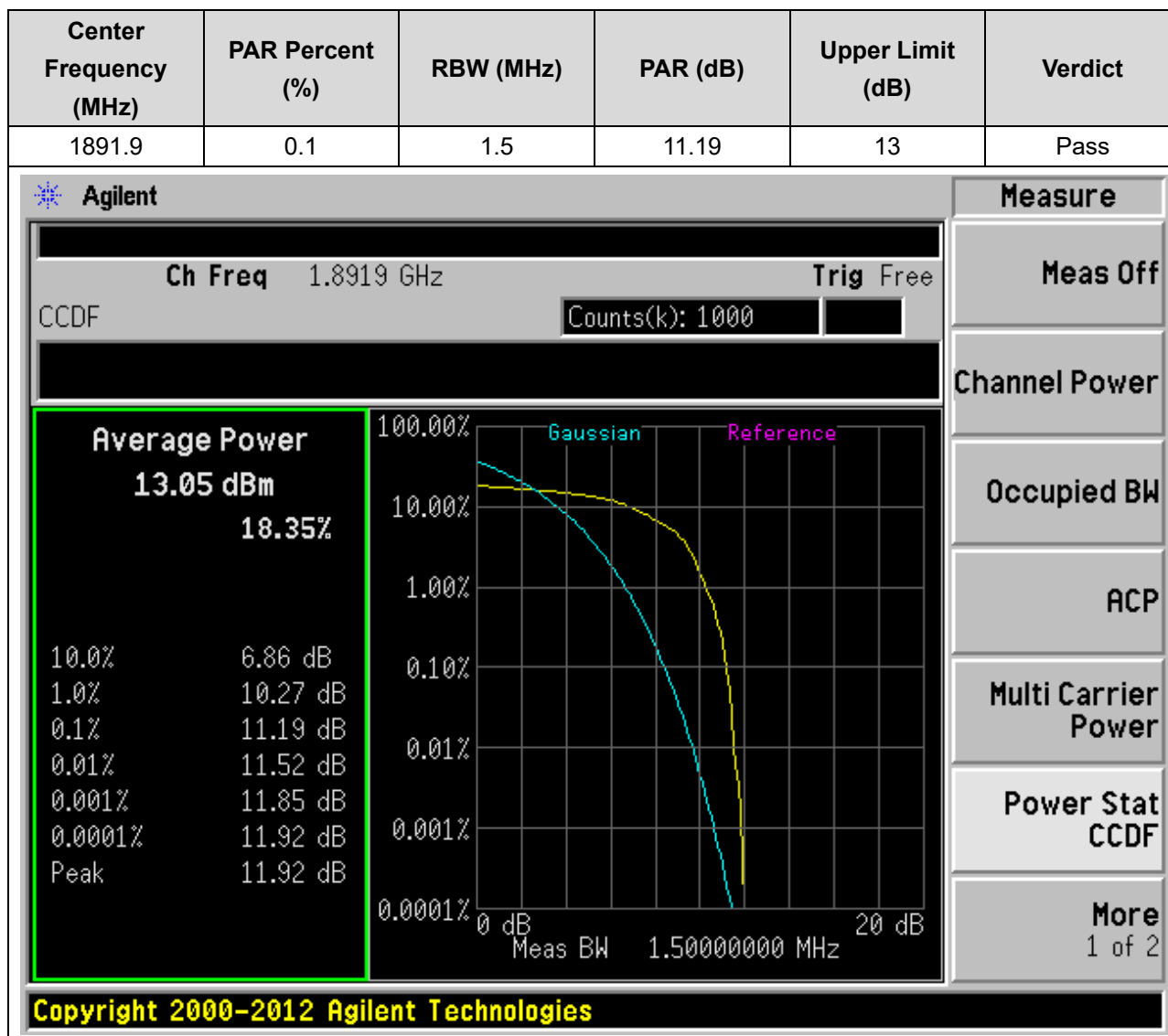
1.10. Cat-M Peak to Average Ratio_Part22-24-27(Channel:18900, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



1.11. Cat-M Peak to Average Ratio_Part22-24-27(Channel:19100, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)

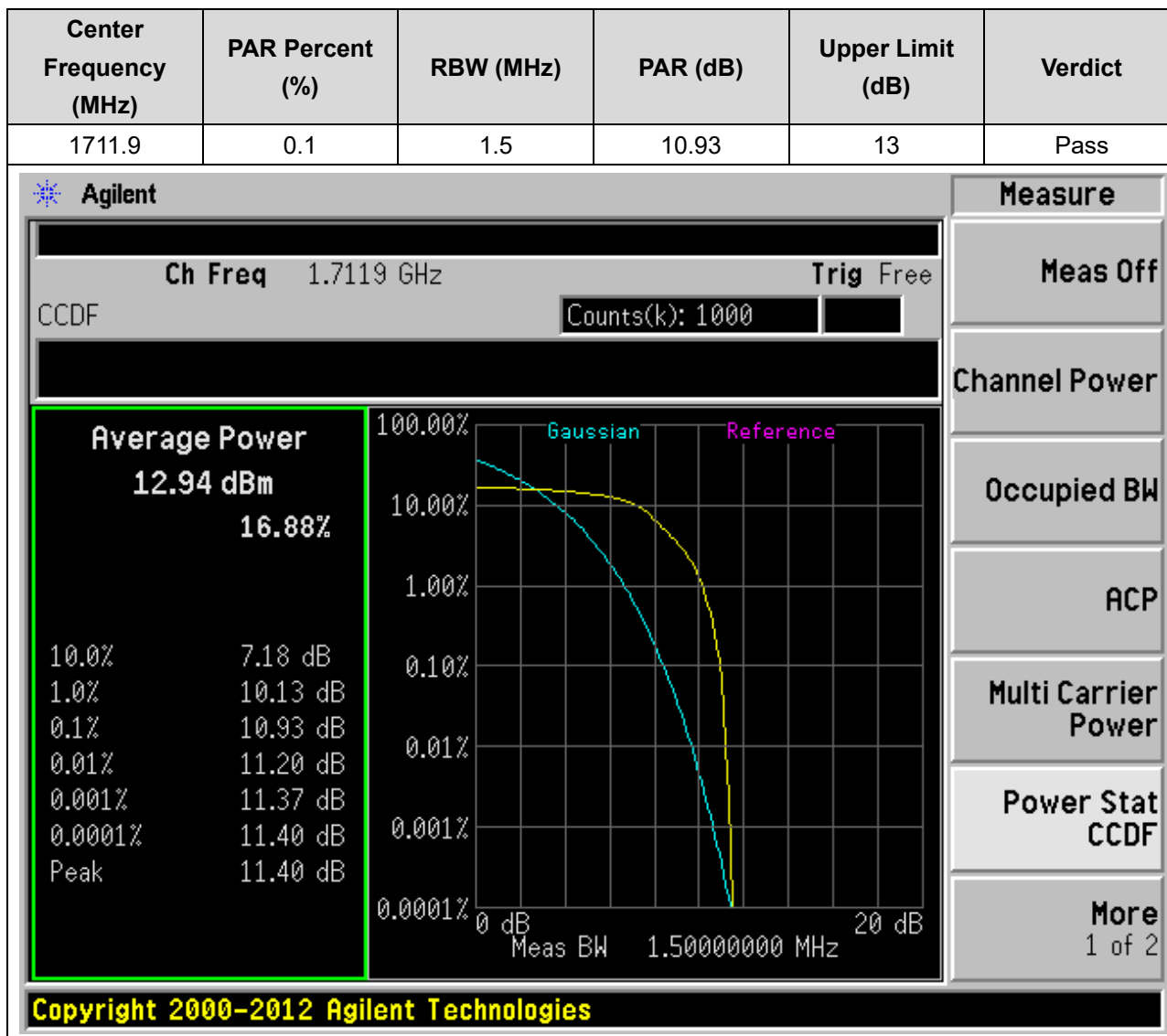


1.12. Cat-M Peak to Average Ratio_Part22-24-27(Channel:19100, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)

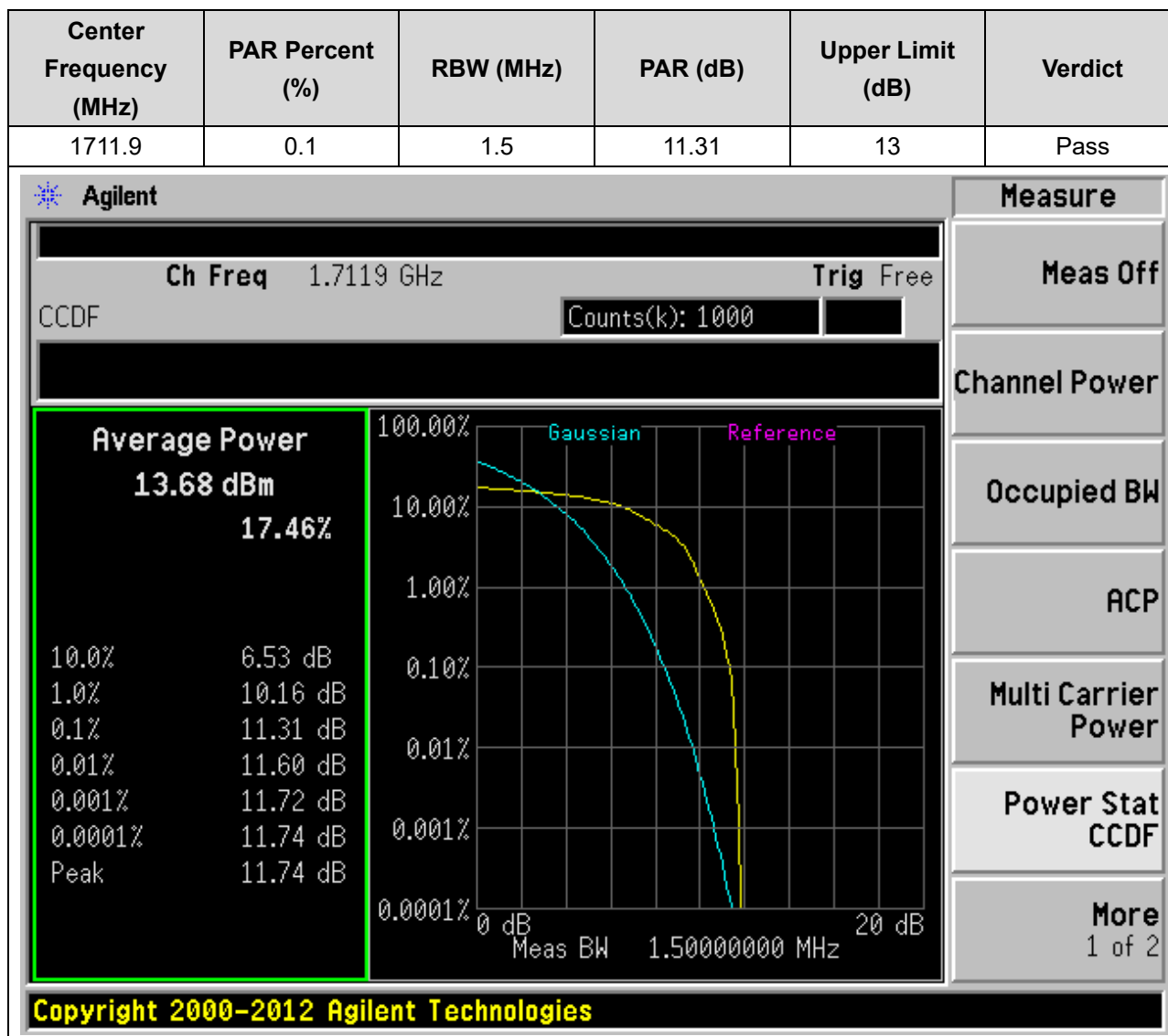


2. Cat-M_Band4

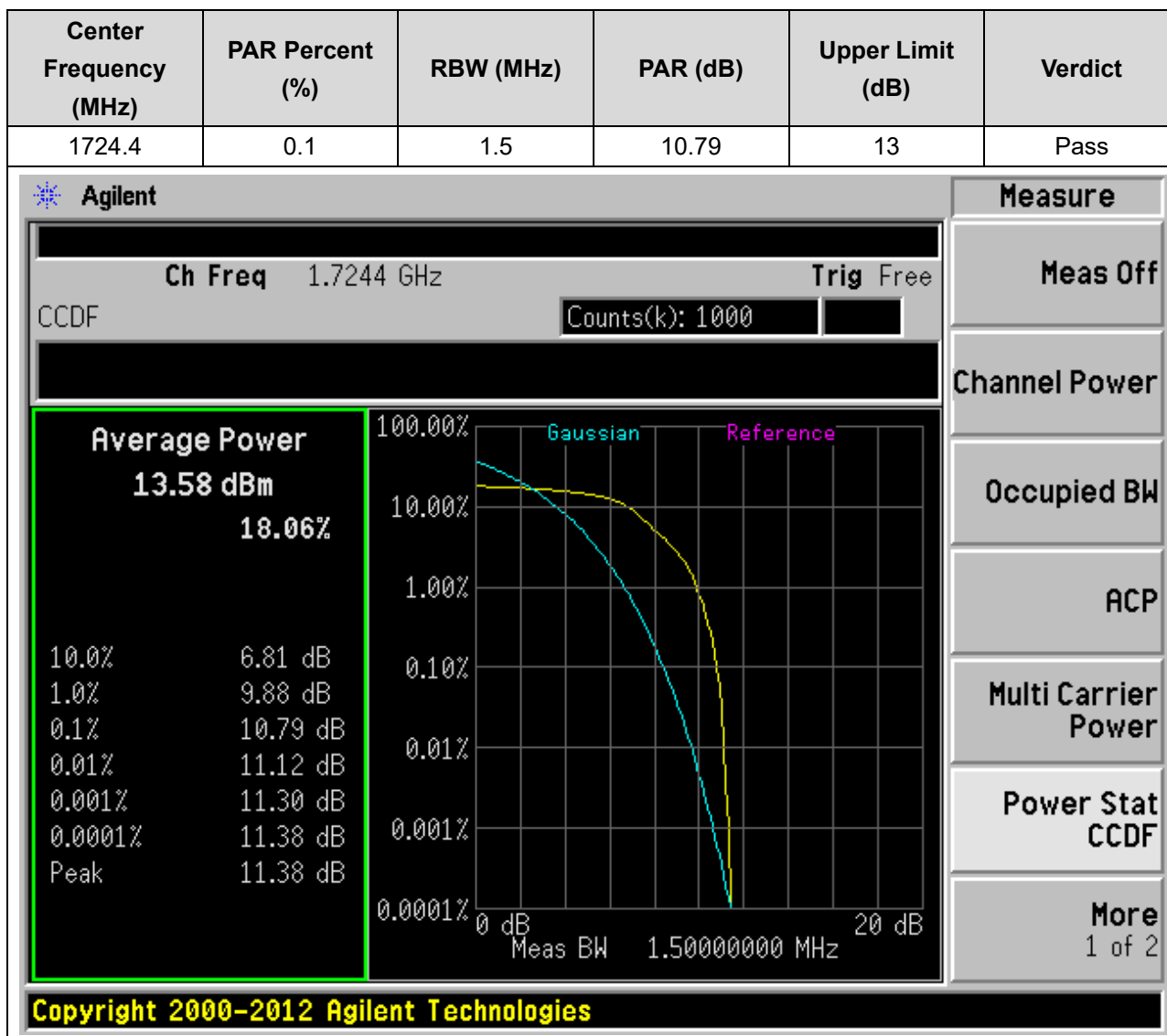
2.7. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20050, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)



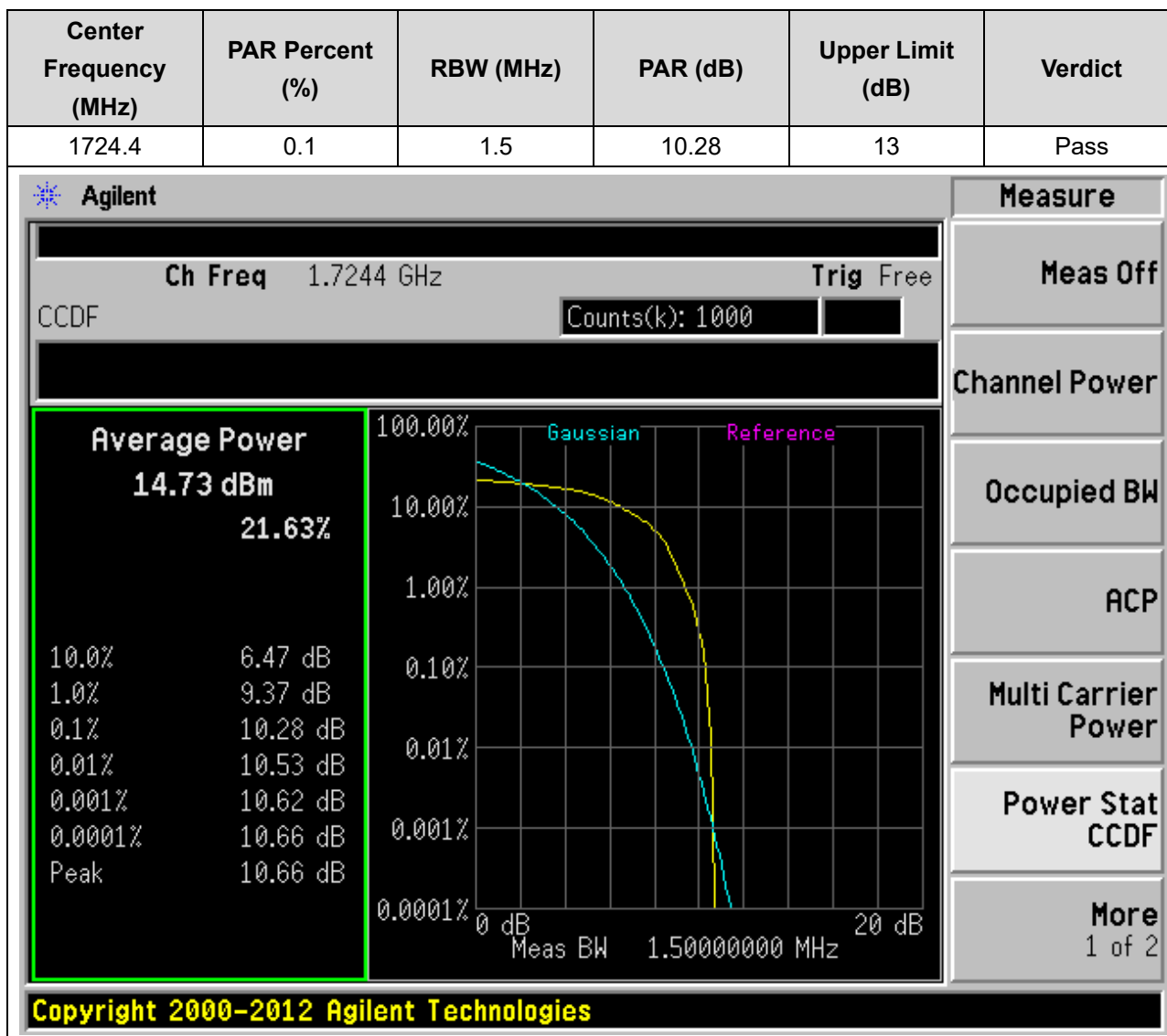
2.8. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20050, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



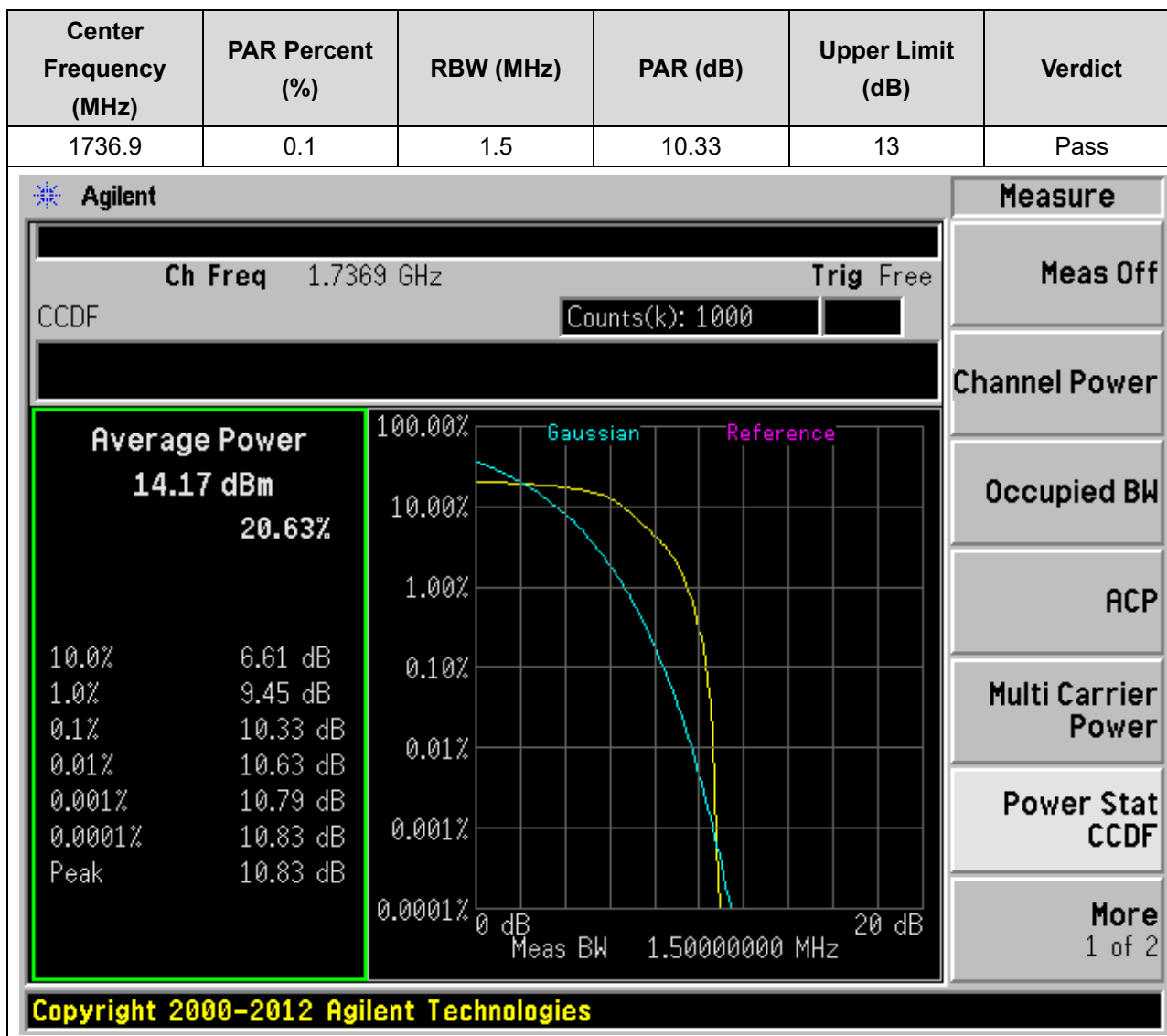
2.9. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20175, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)



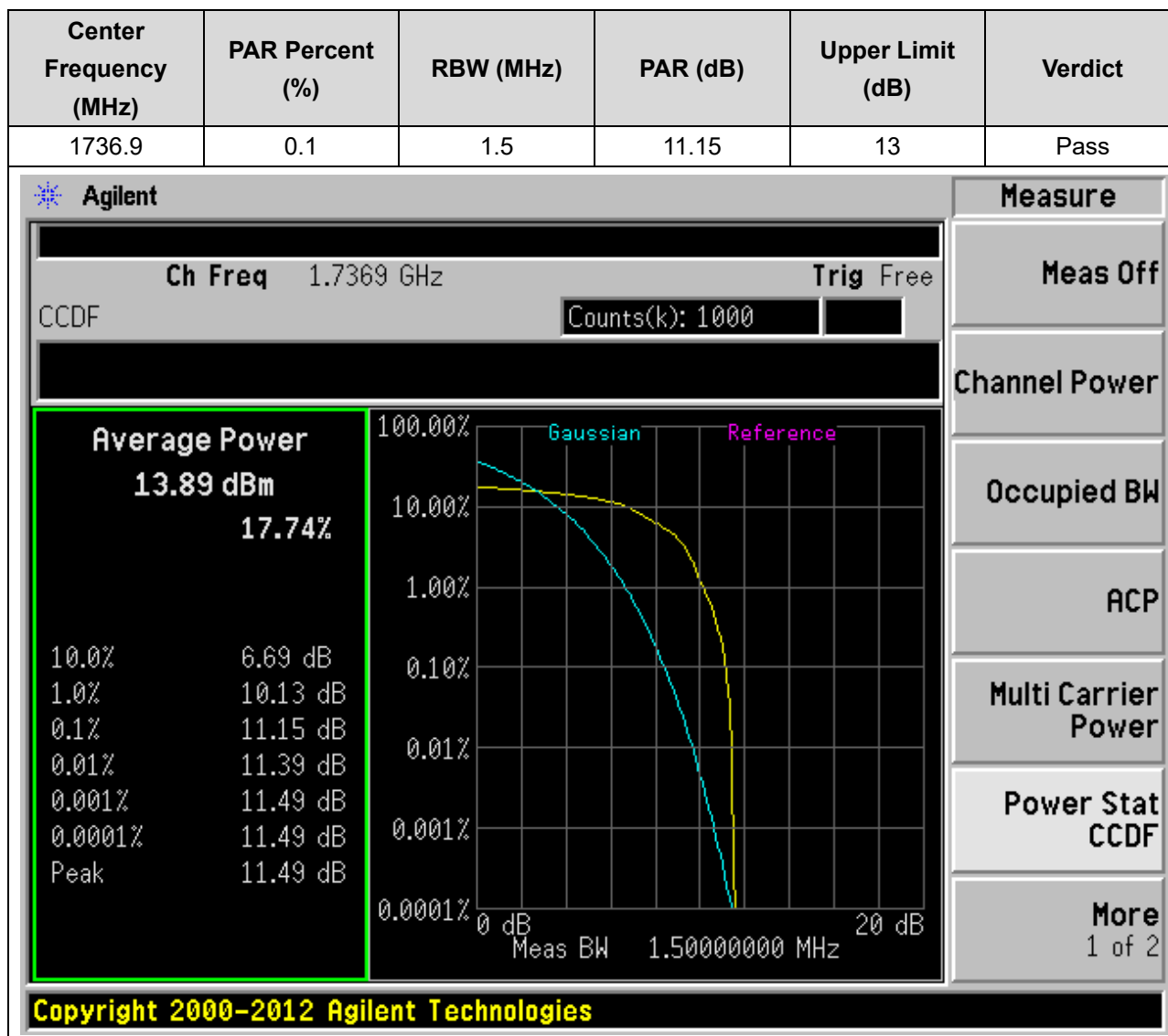
2.10. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20175, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



2.11. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20300, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)

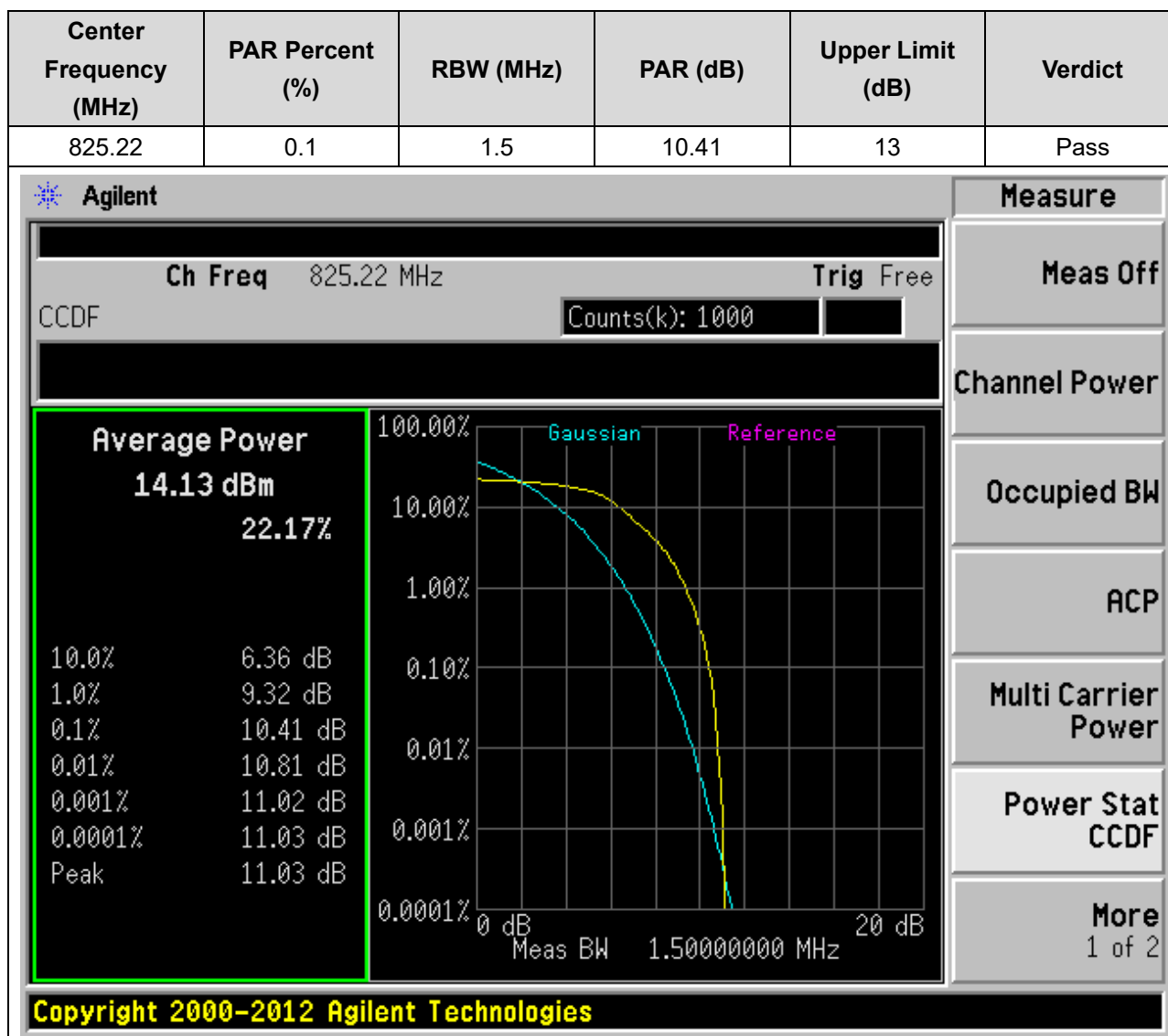


2.12. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20300, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)

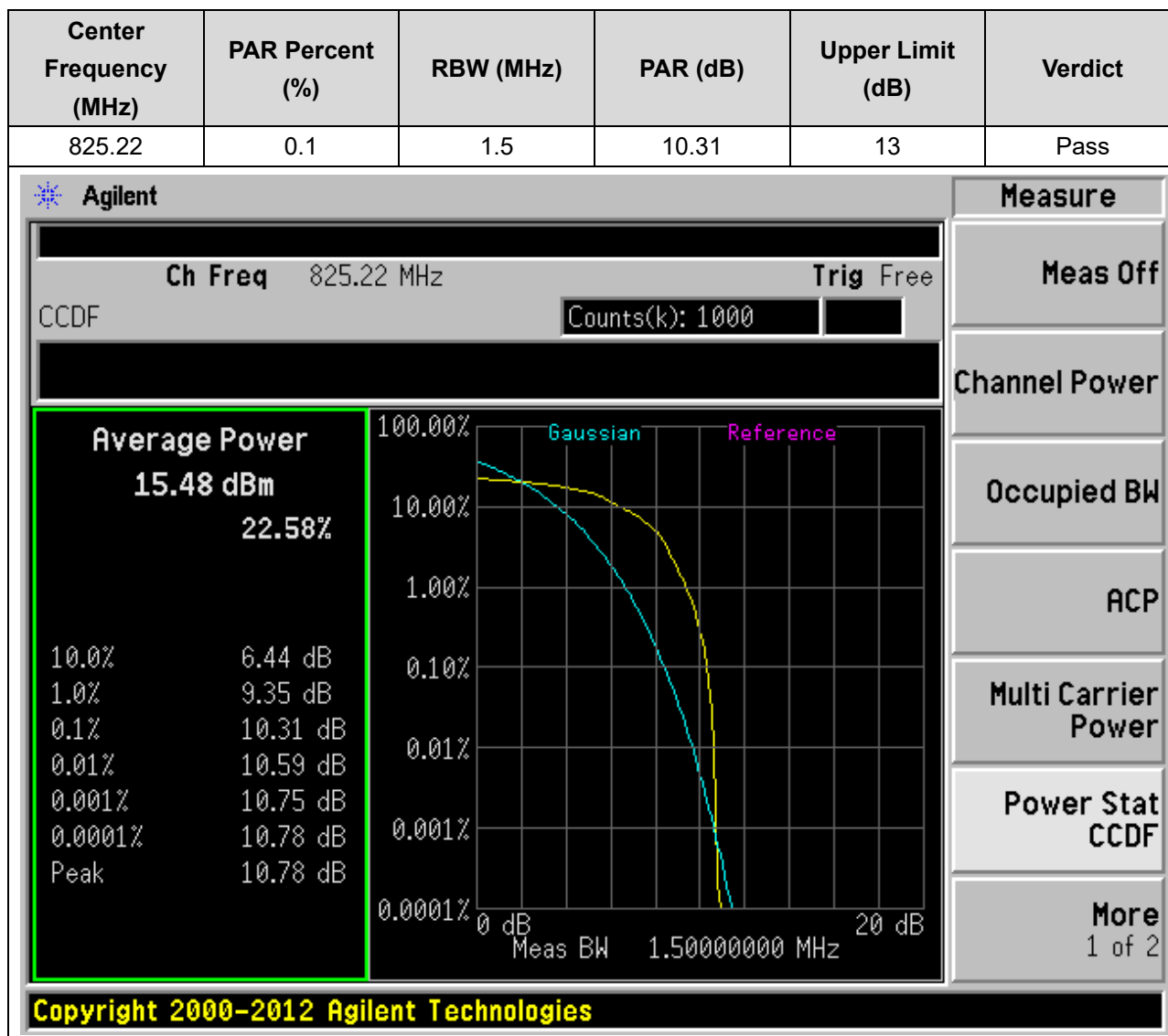


3. Cat-M_Band5

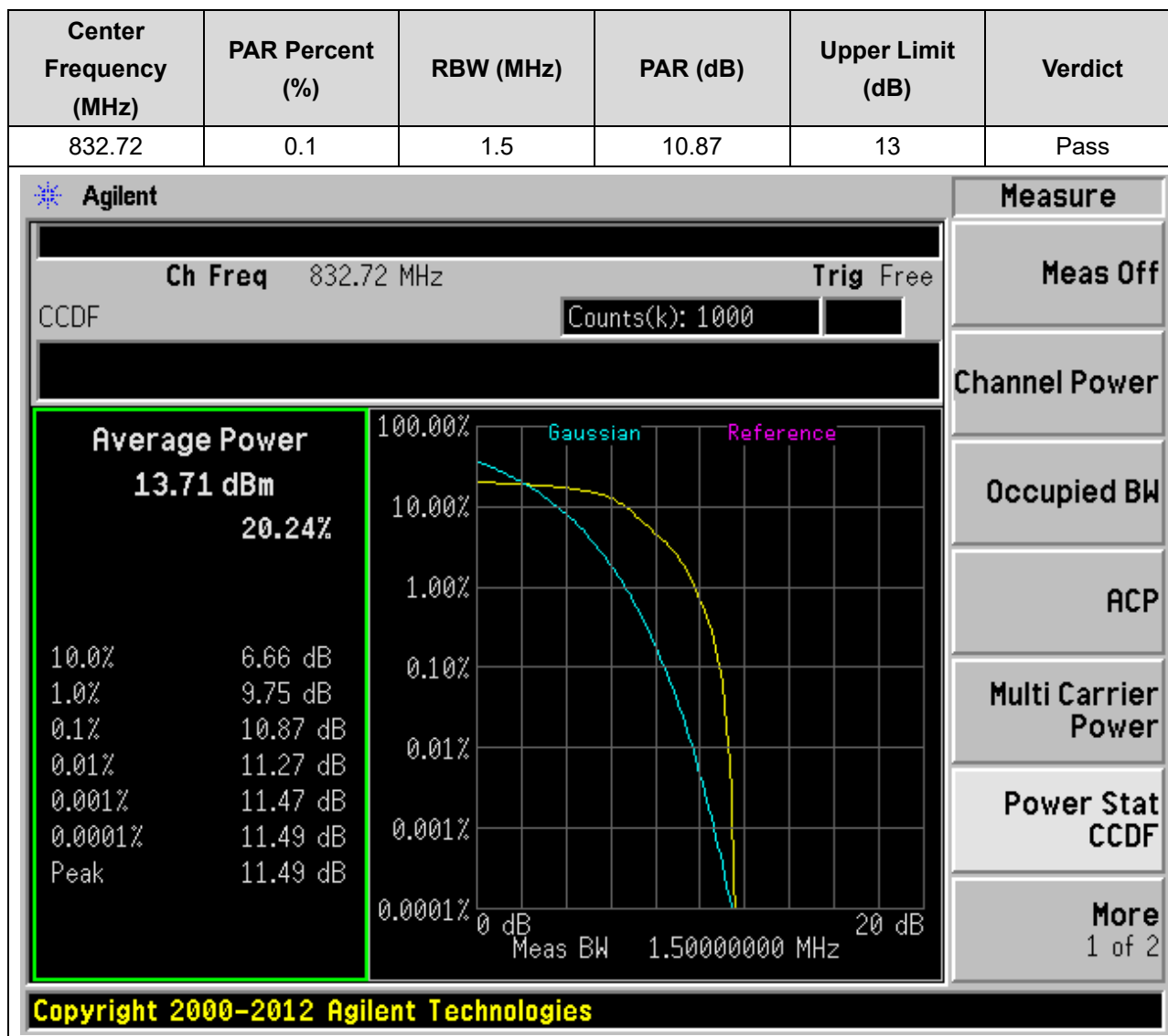
3.7. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20450, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)



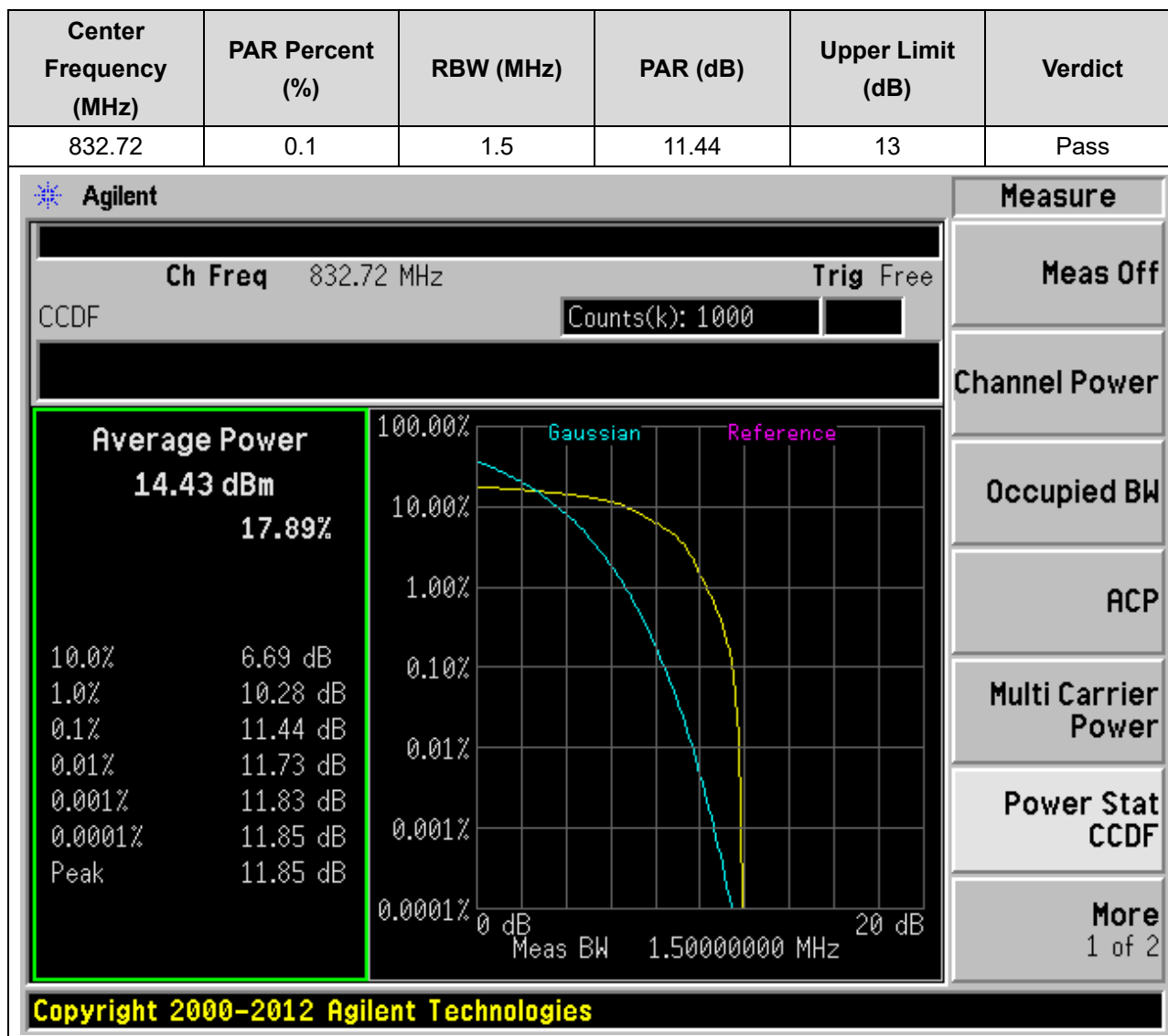
3.8. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20450, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



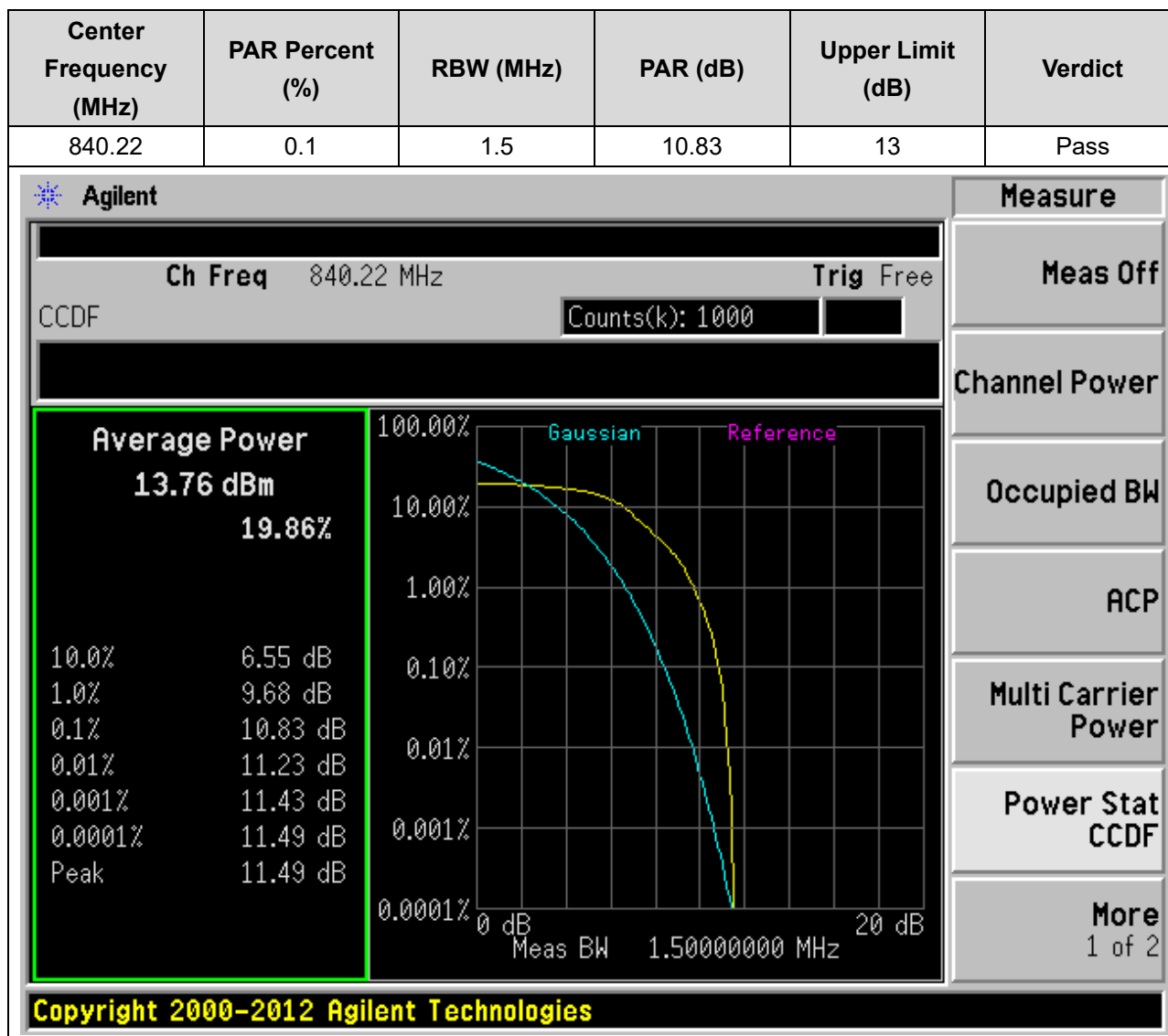
3.9. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20525, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)



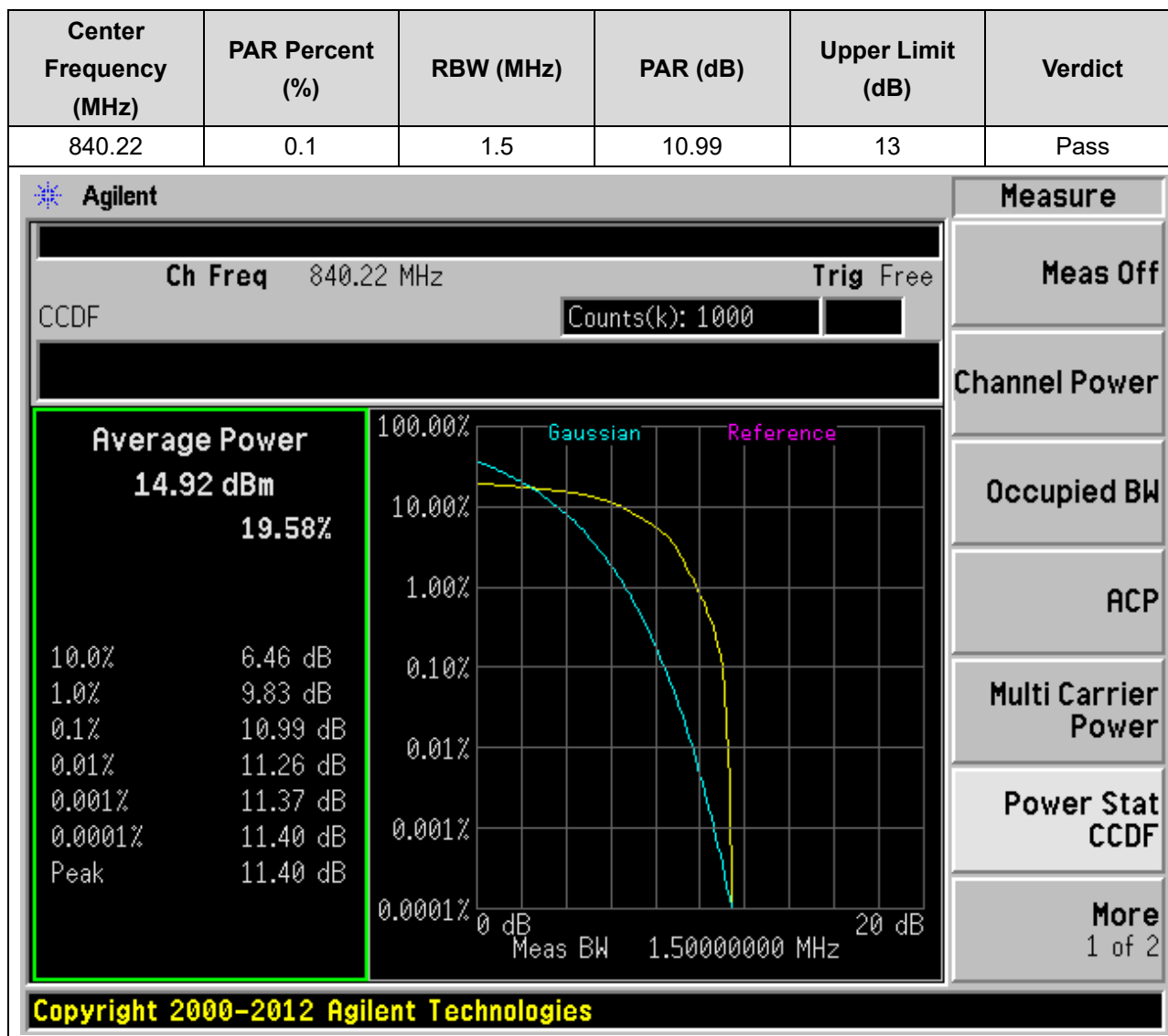
3.10. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20525, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



3.11. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20600, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)

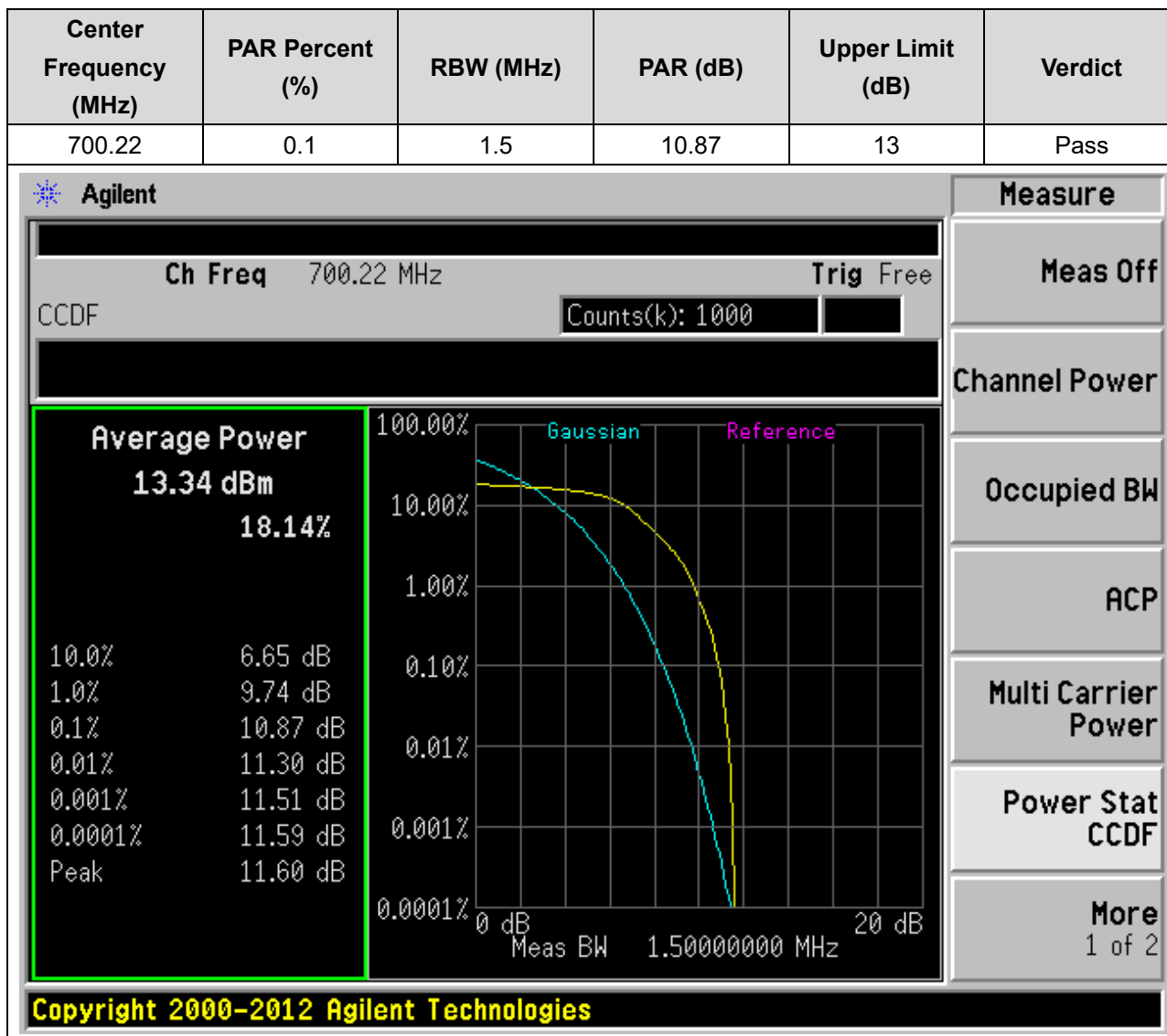


3.12. Cat-M Peak to Average Ratio_Part22-24-27(Channel:20600, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)

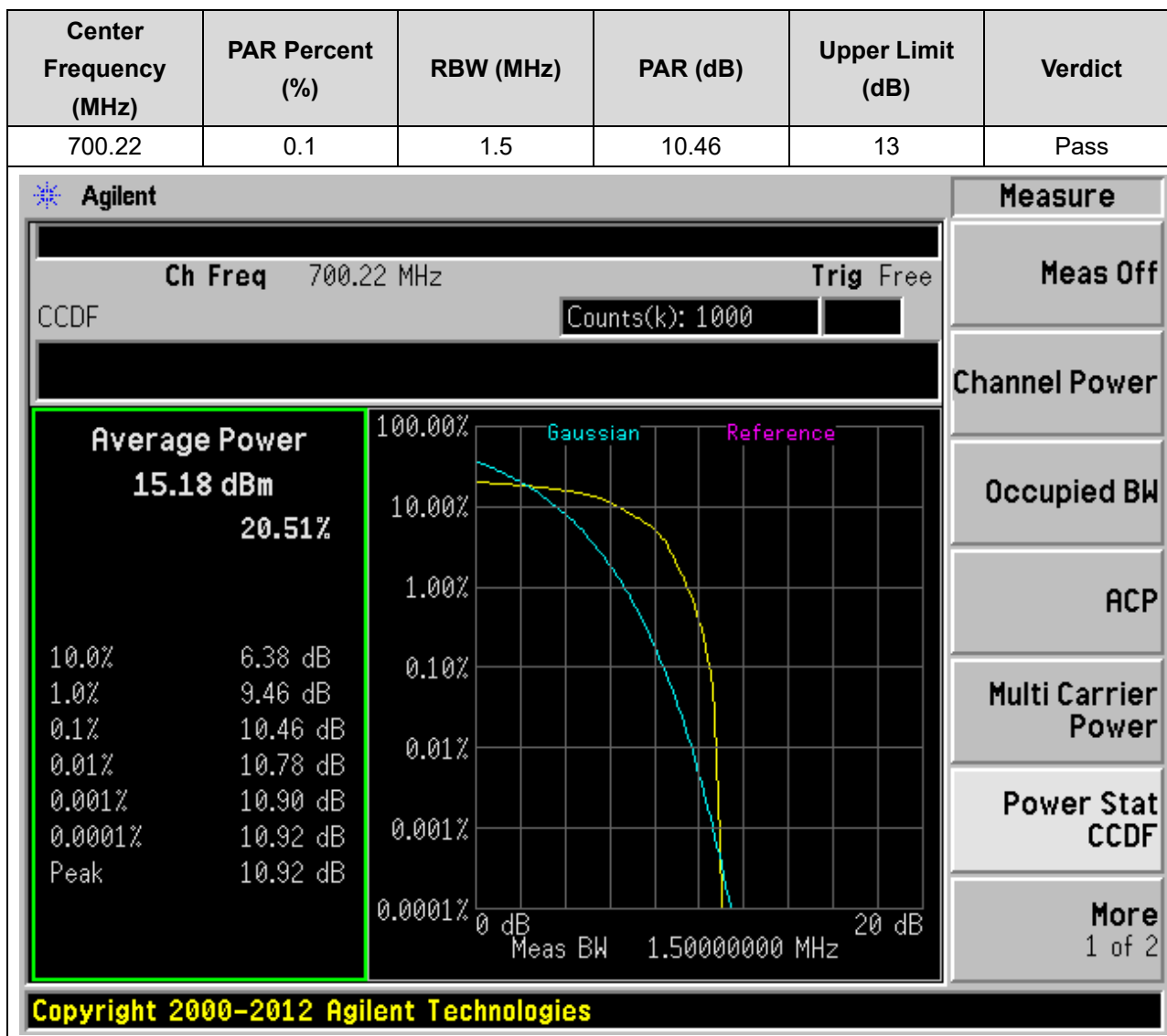


4. Cat-M_Band12

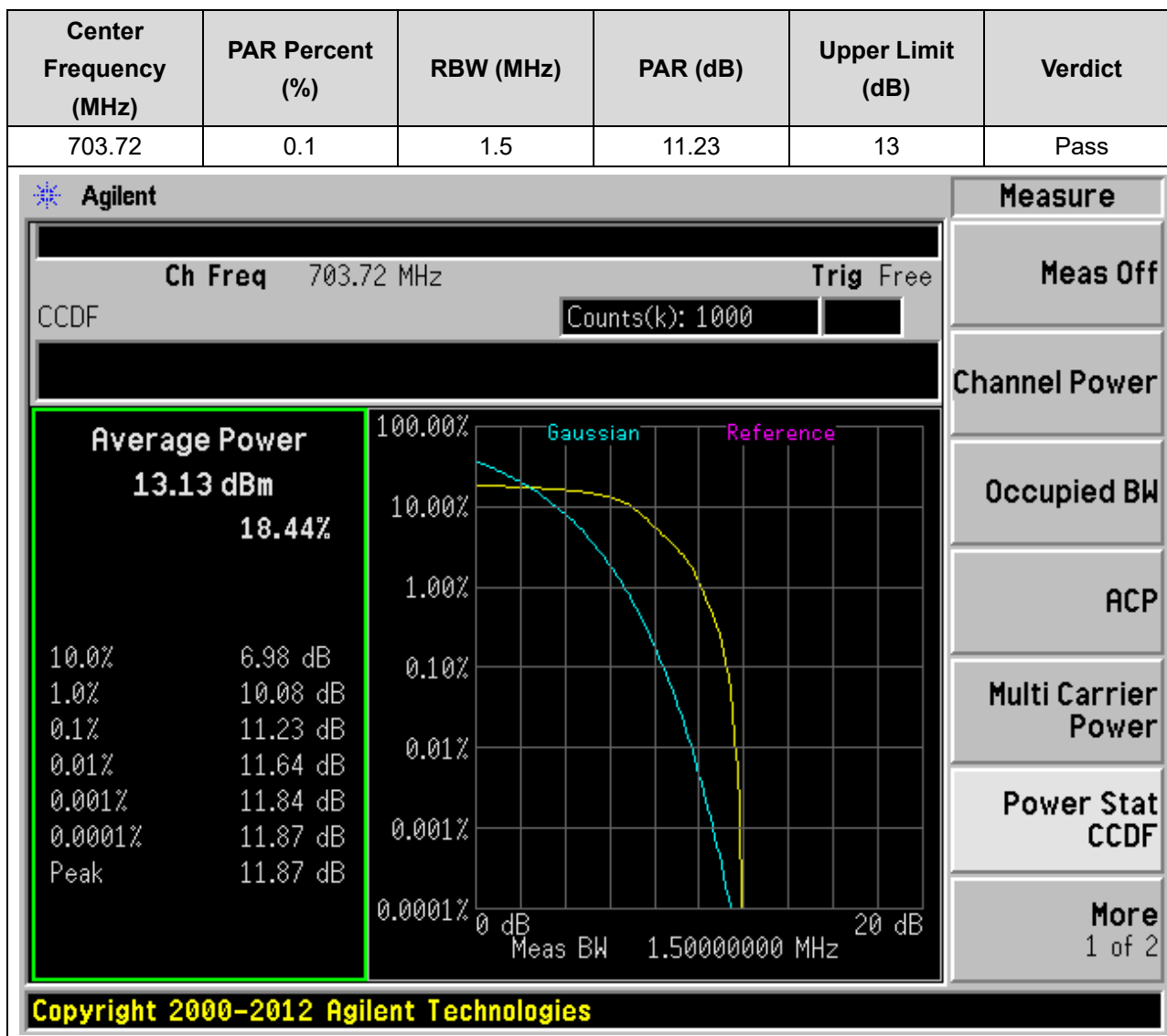
4.7. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23060, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)



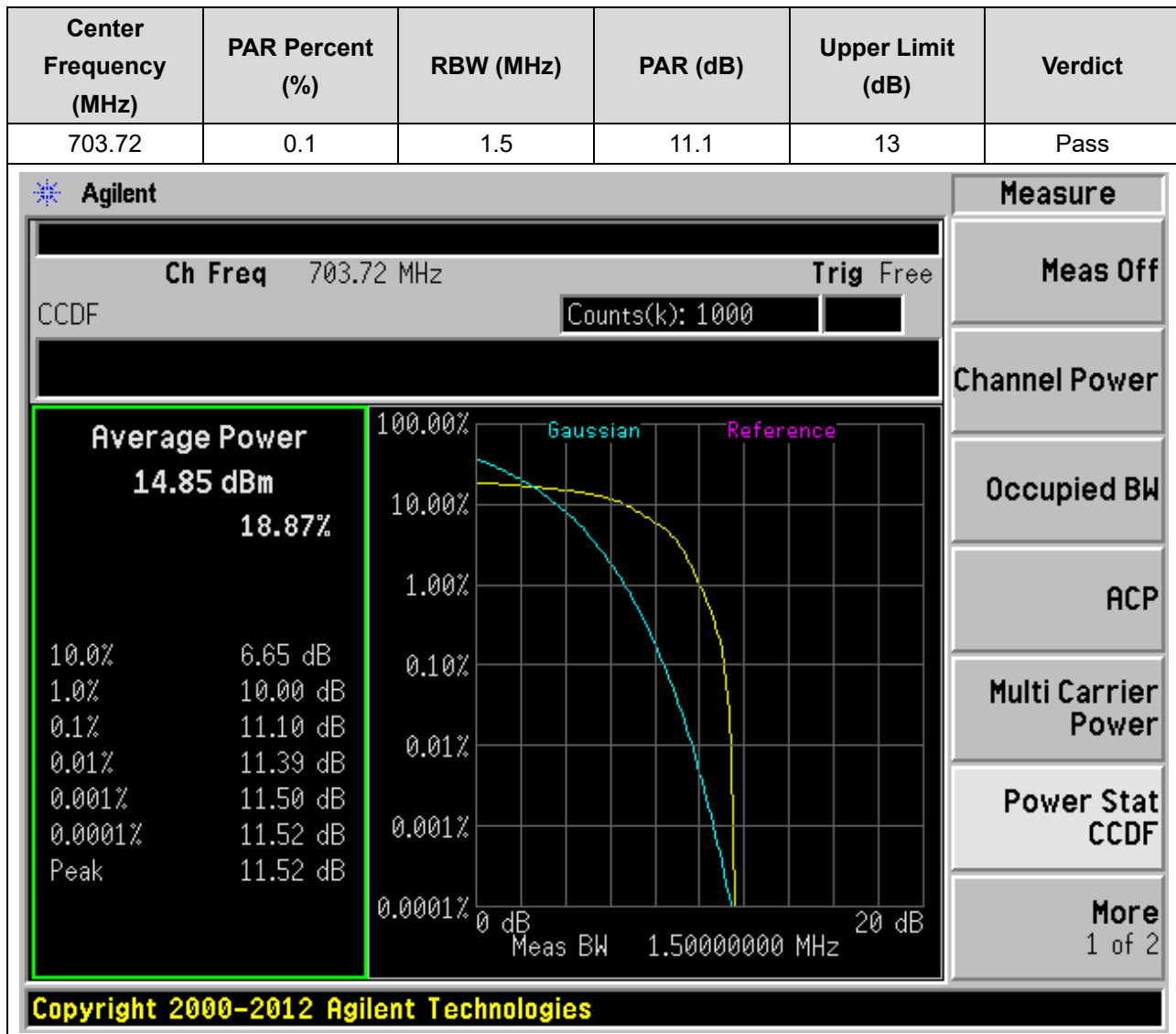
4.8. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23060, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



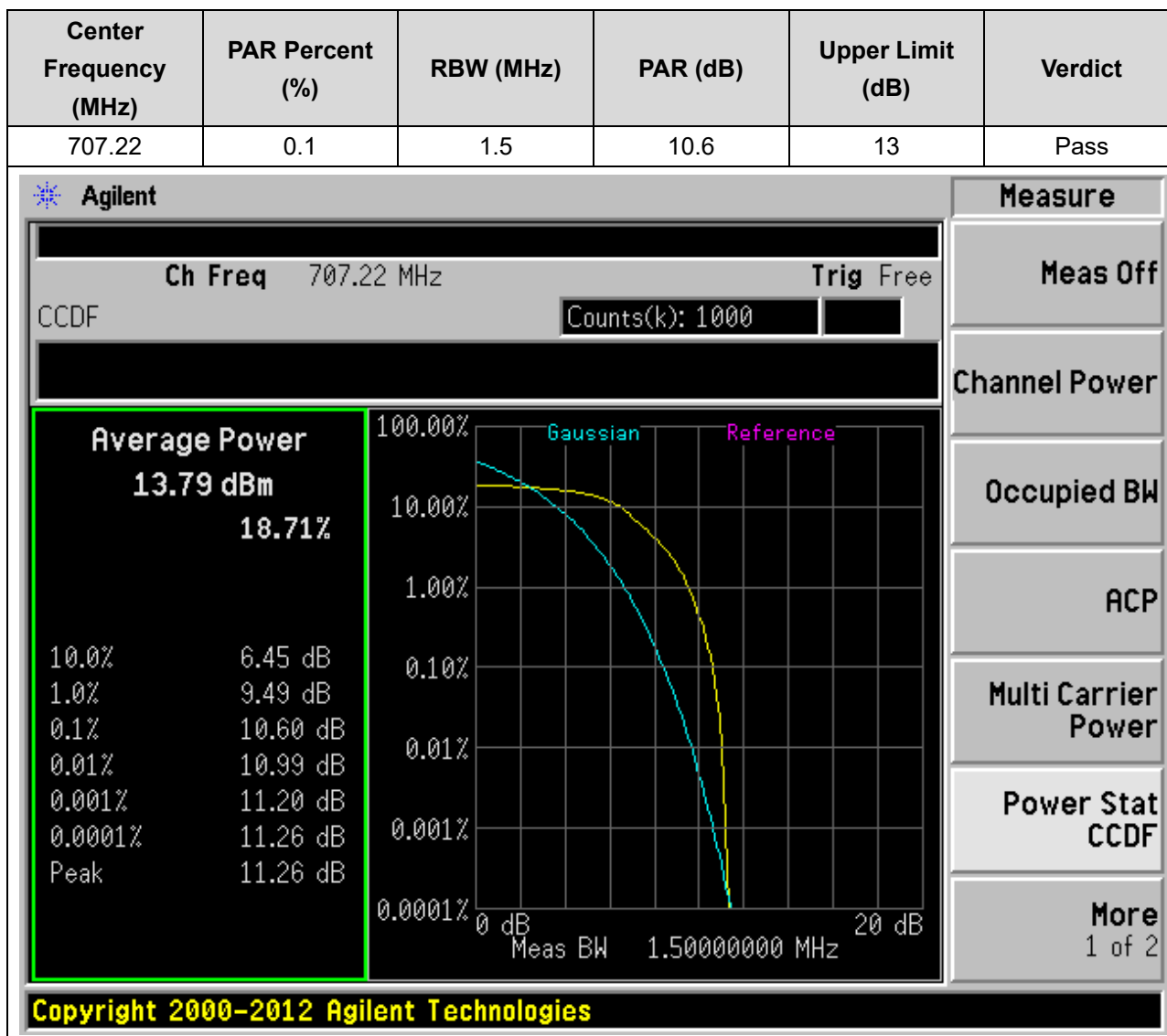
4.9. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23095, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)



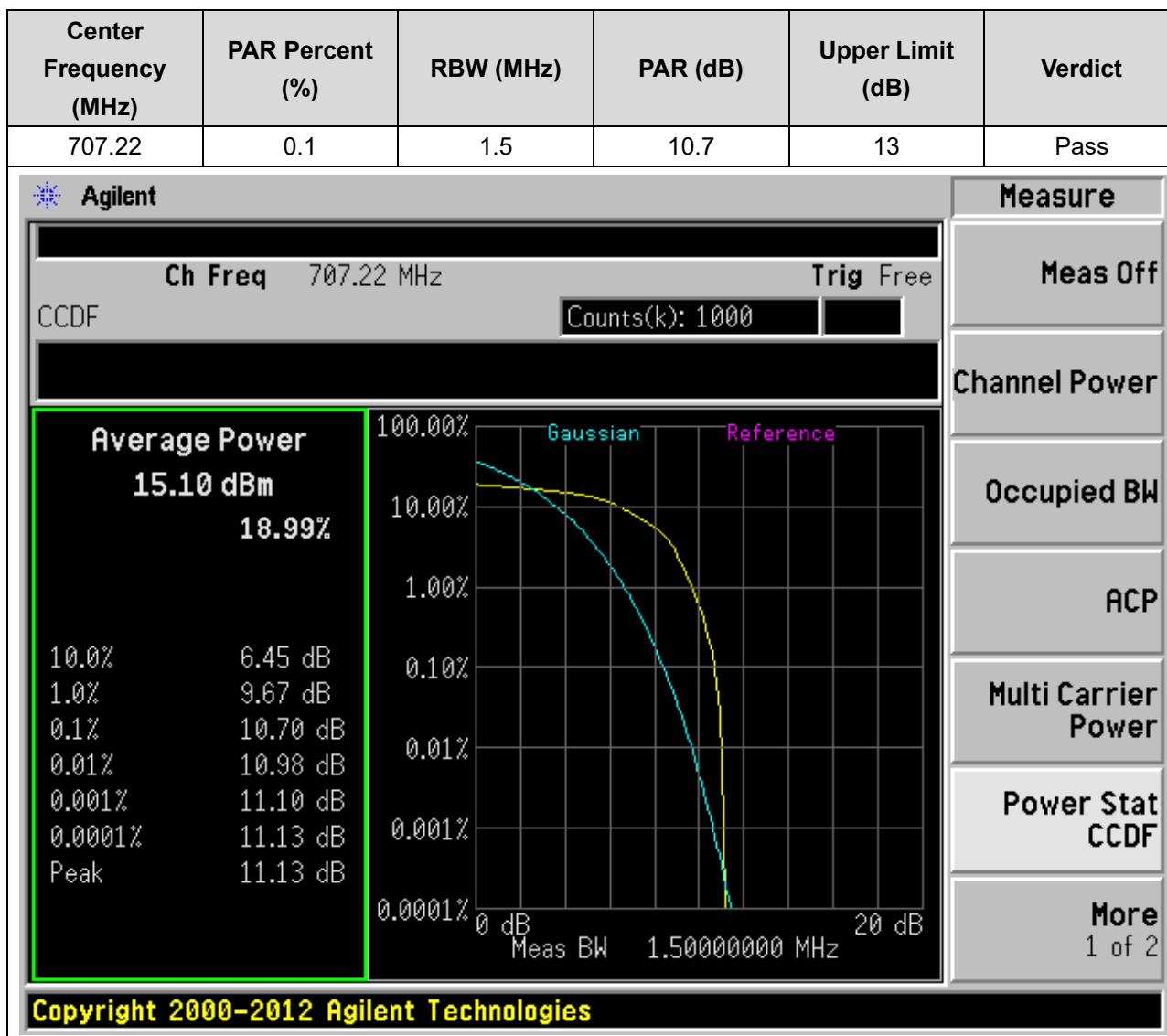
4.10. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23095, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



4.11. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23130, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)

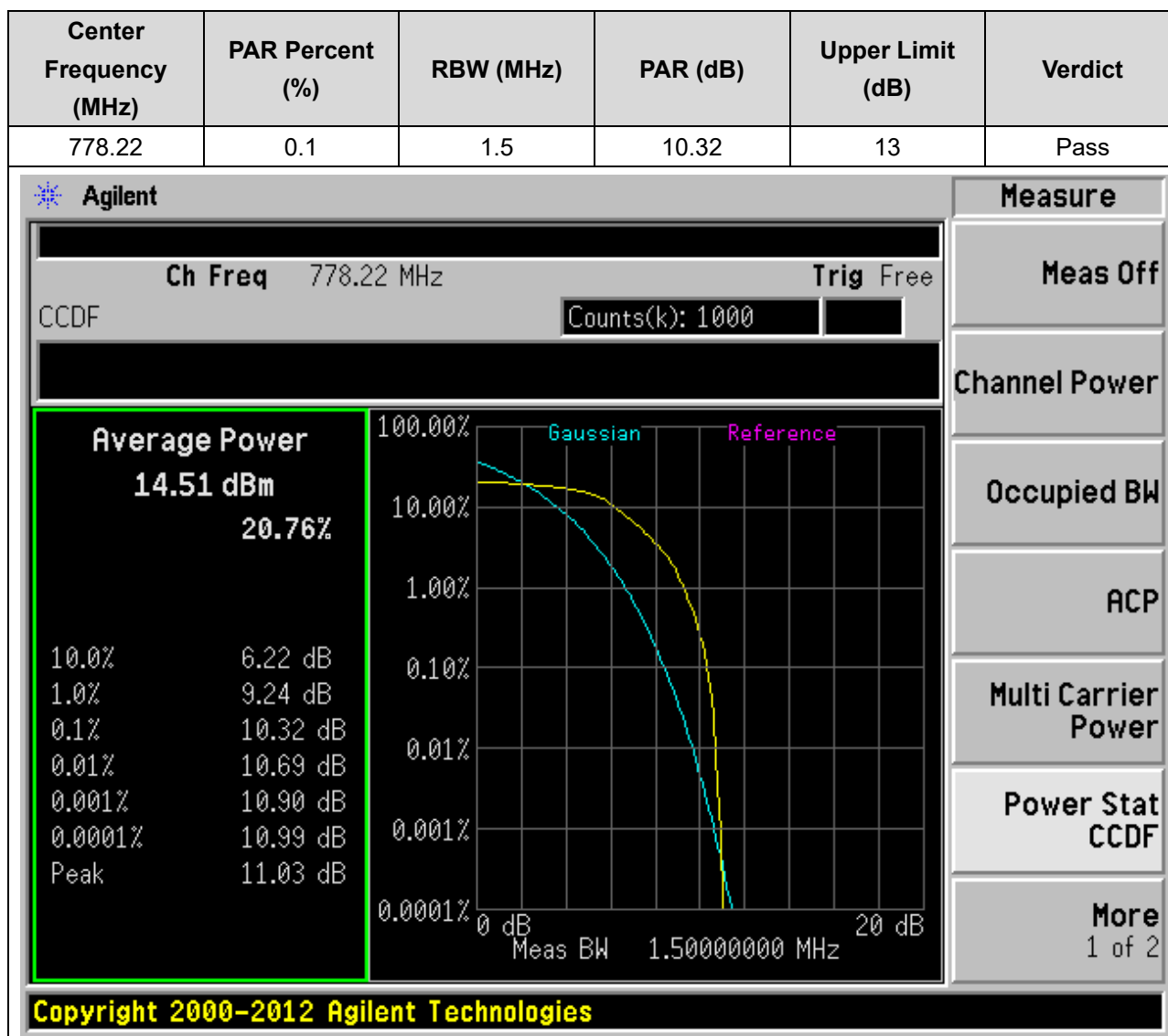


4.12. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23130, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)

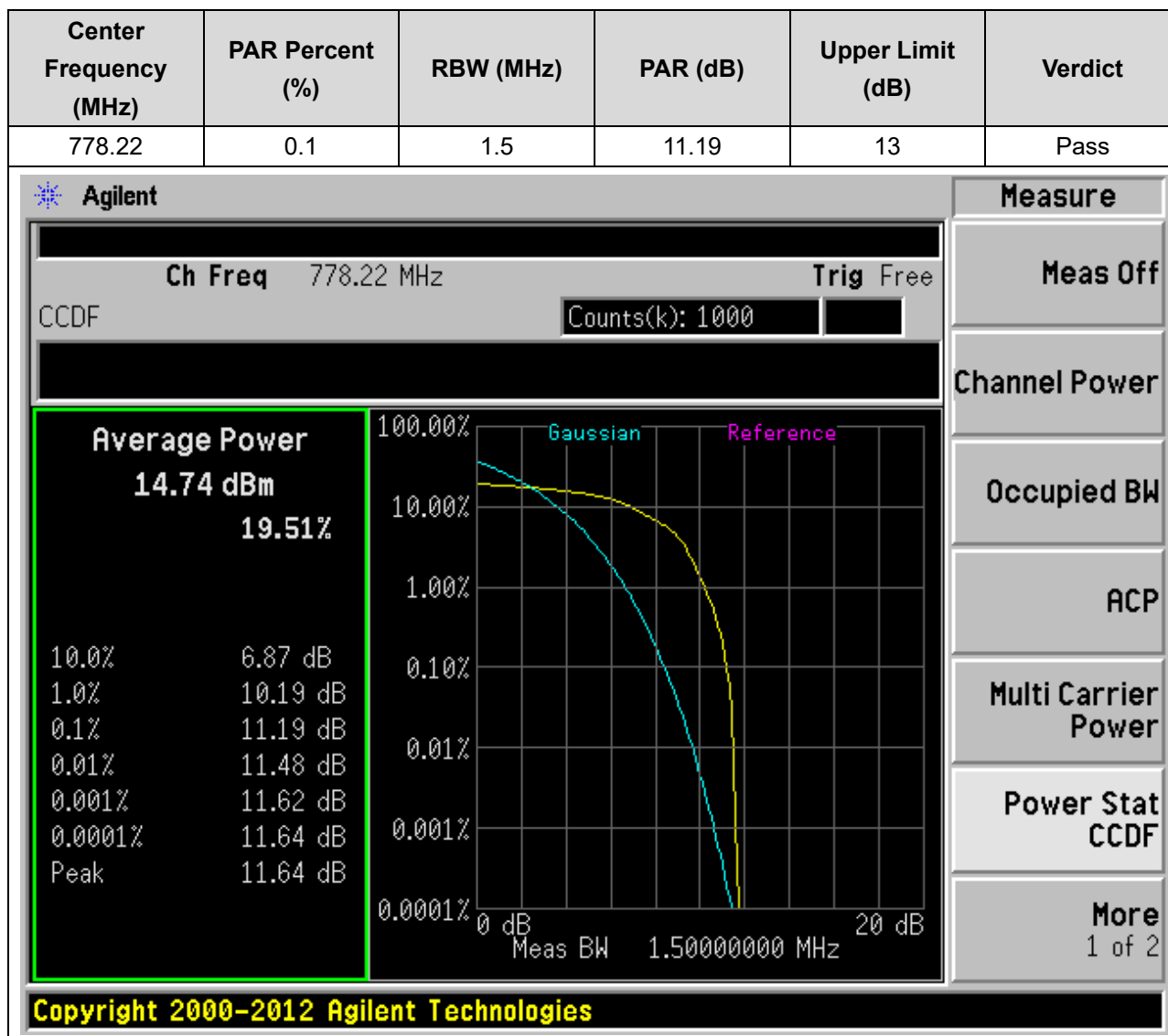


5. Cat-M_Band13

5.3. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23230, Bandwidth:10, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)

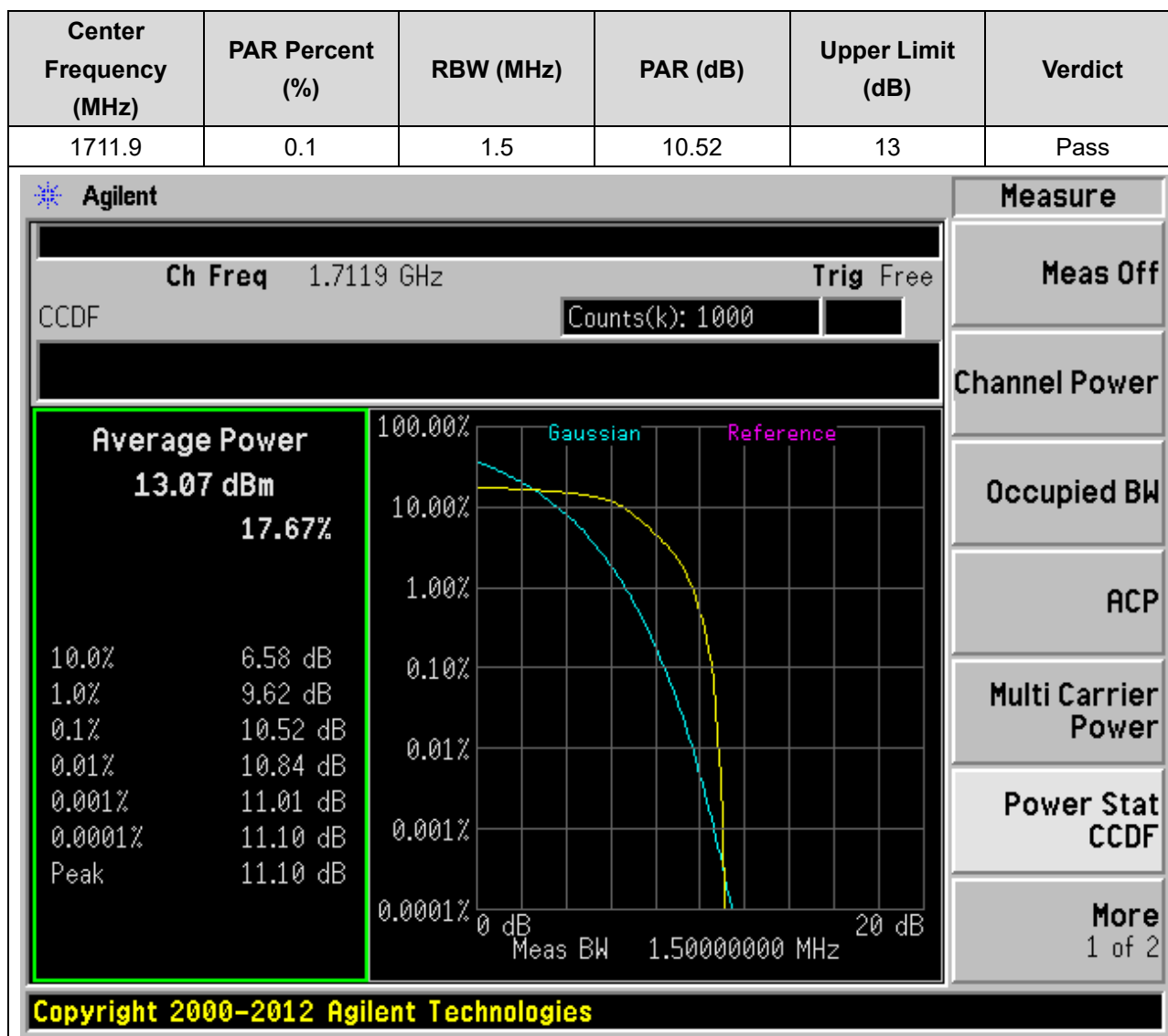


5.4. Cat-M Peak to Average Ratio_Part22-24-27(Channel:23230, Bandwidth:10, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)

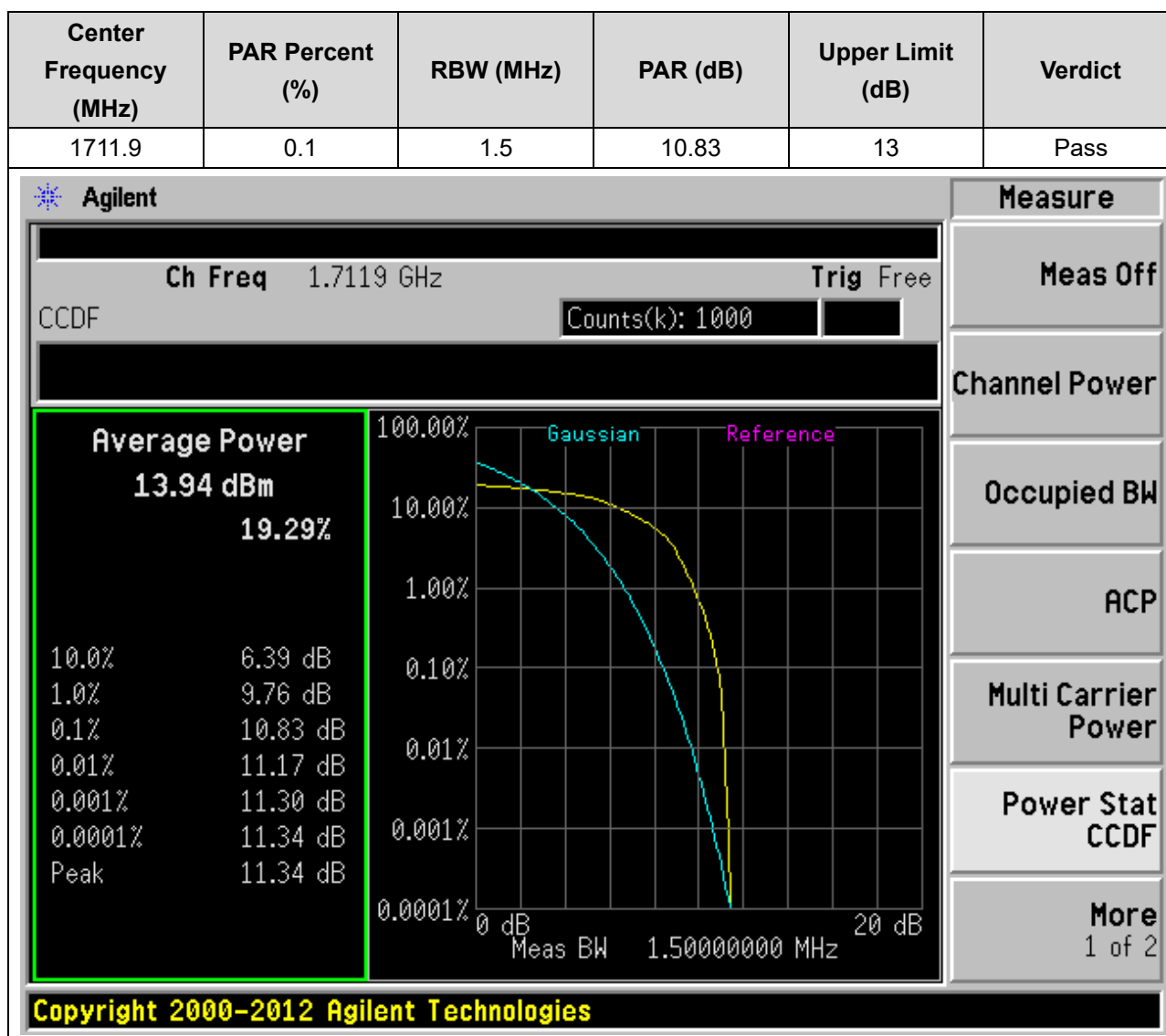


6. Cat-M_Band66

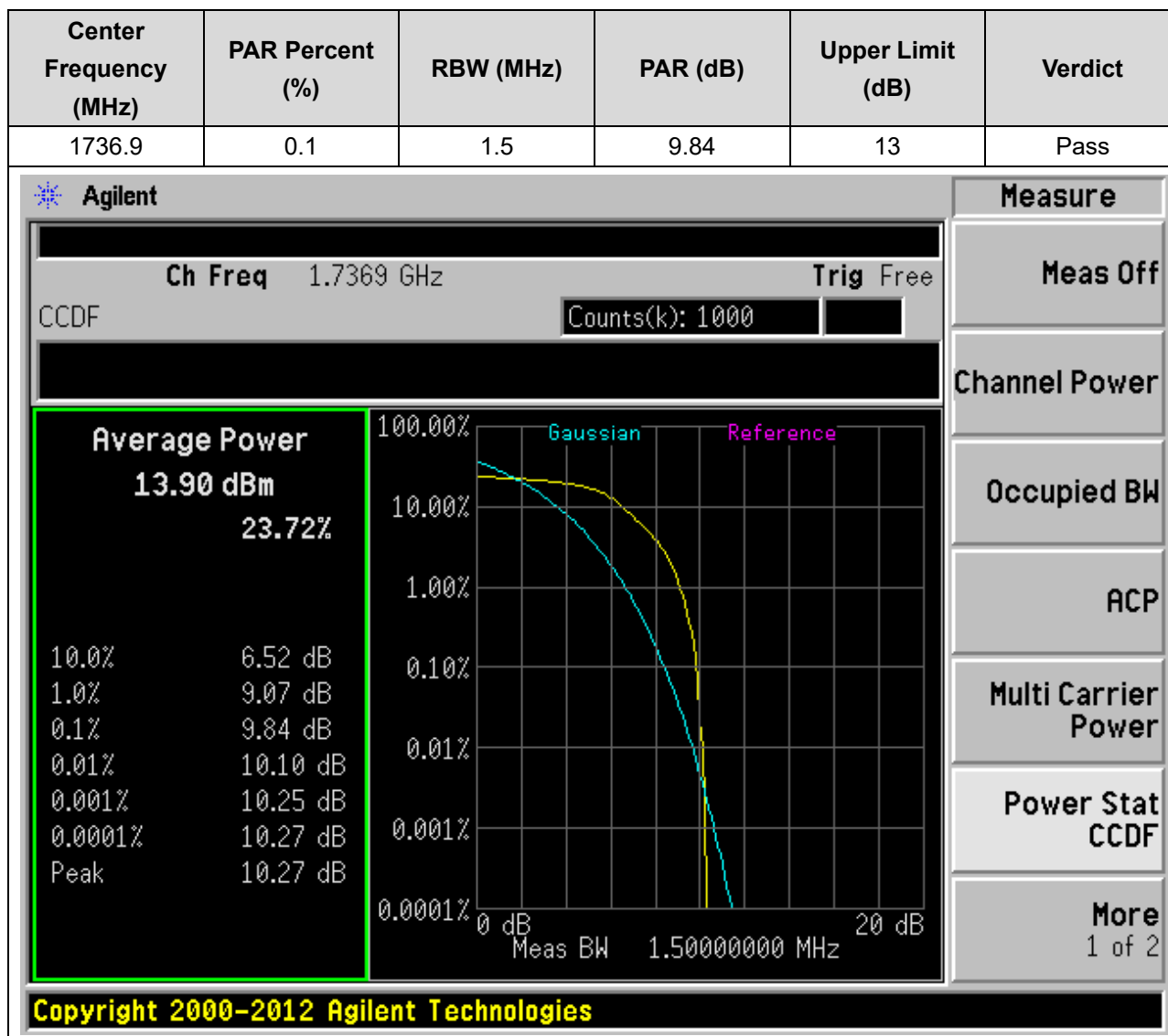
6.7. Cat-M Peak to Average Ratio_Part22-24-27(Channel:132072, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)



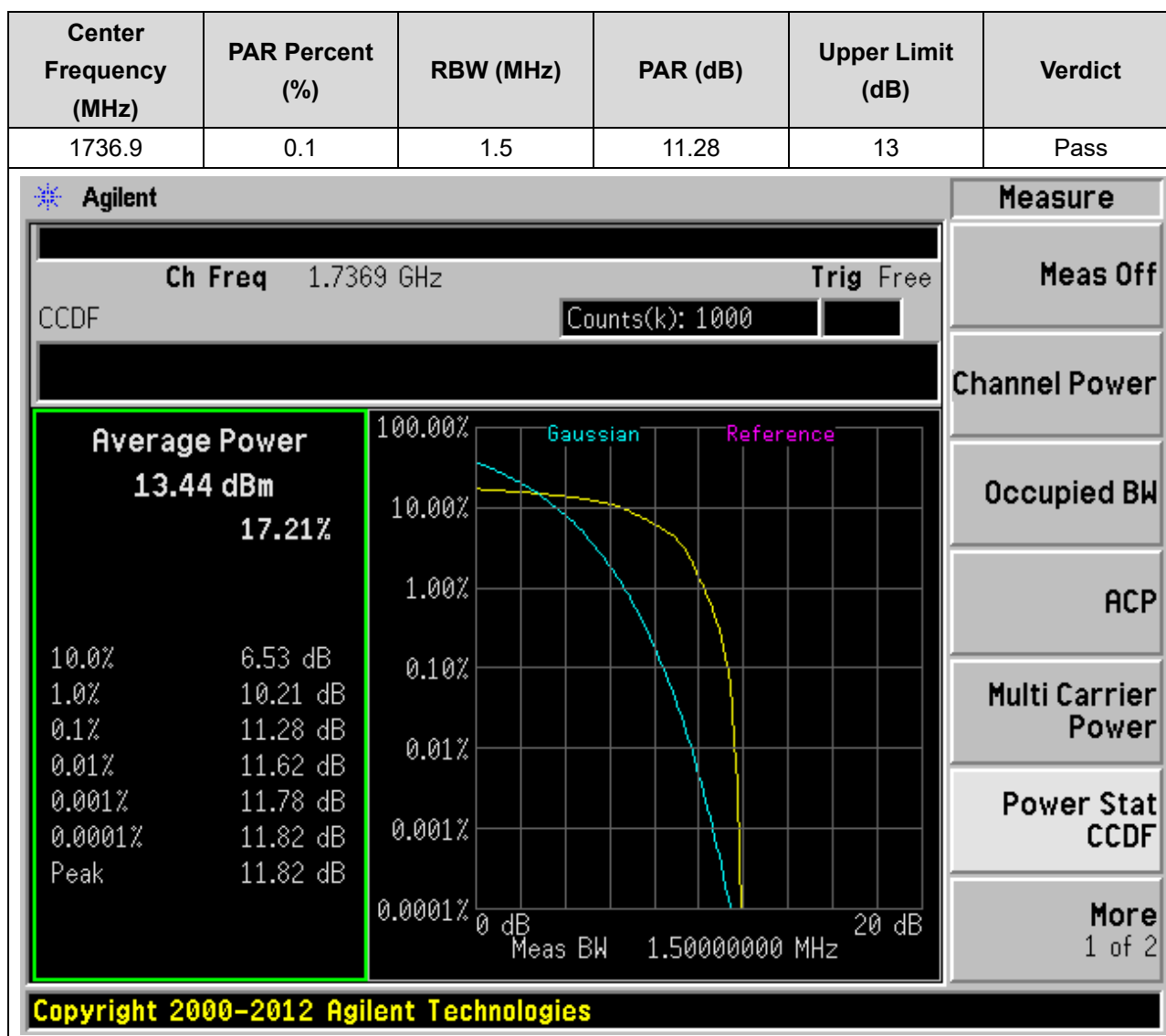
6.8. Cat-M Peak to Average Ratio_Part22-24-27(Channel:132072, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



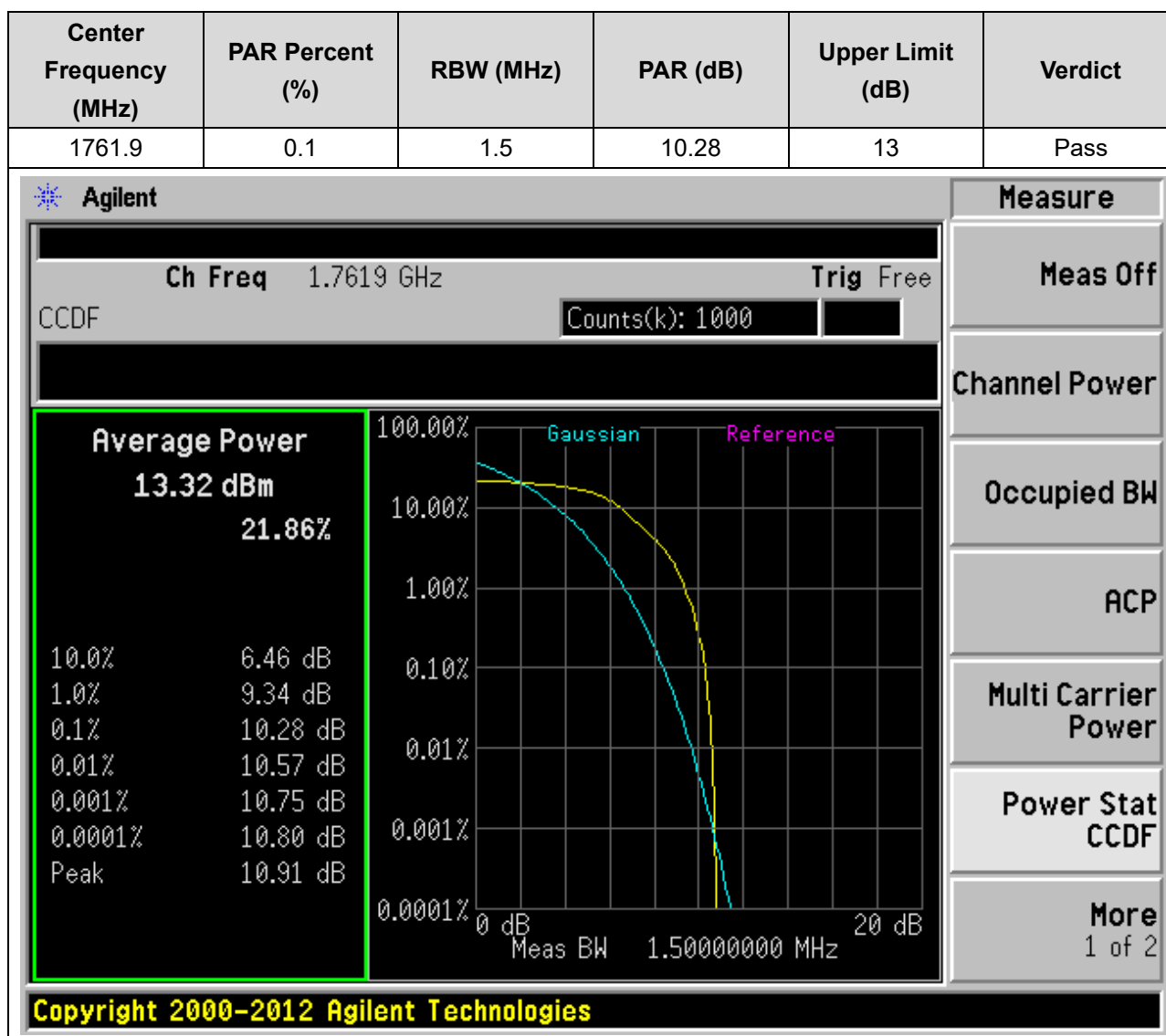
6.9. Cat-M Peak to Average Ratio_Part22-24-27(Channel:132322, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)



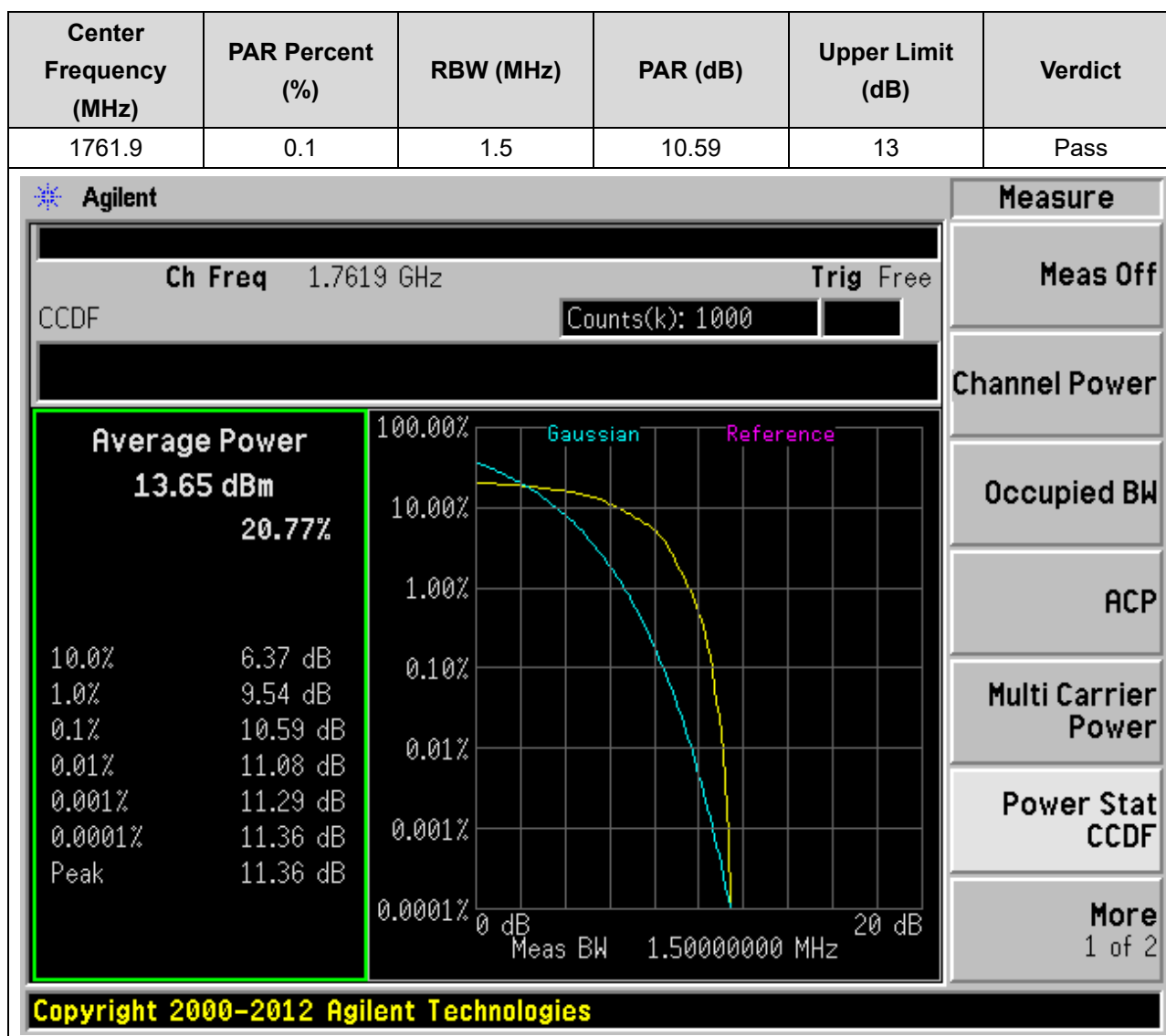
6.10. Cat-M Peak to Average Ratio_Part22-24-27(Channel:132322, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



6.11. Cat-M Peak to Average Ratio_Part22-24-27(Channel:132572, Bandwidth:20, Modulation:QPSK, NB Index:0, RB Number:6, RB Position:0)(NTNV)

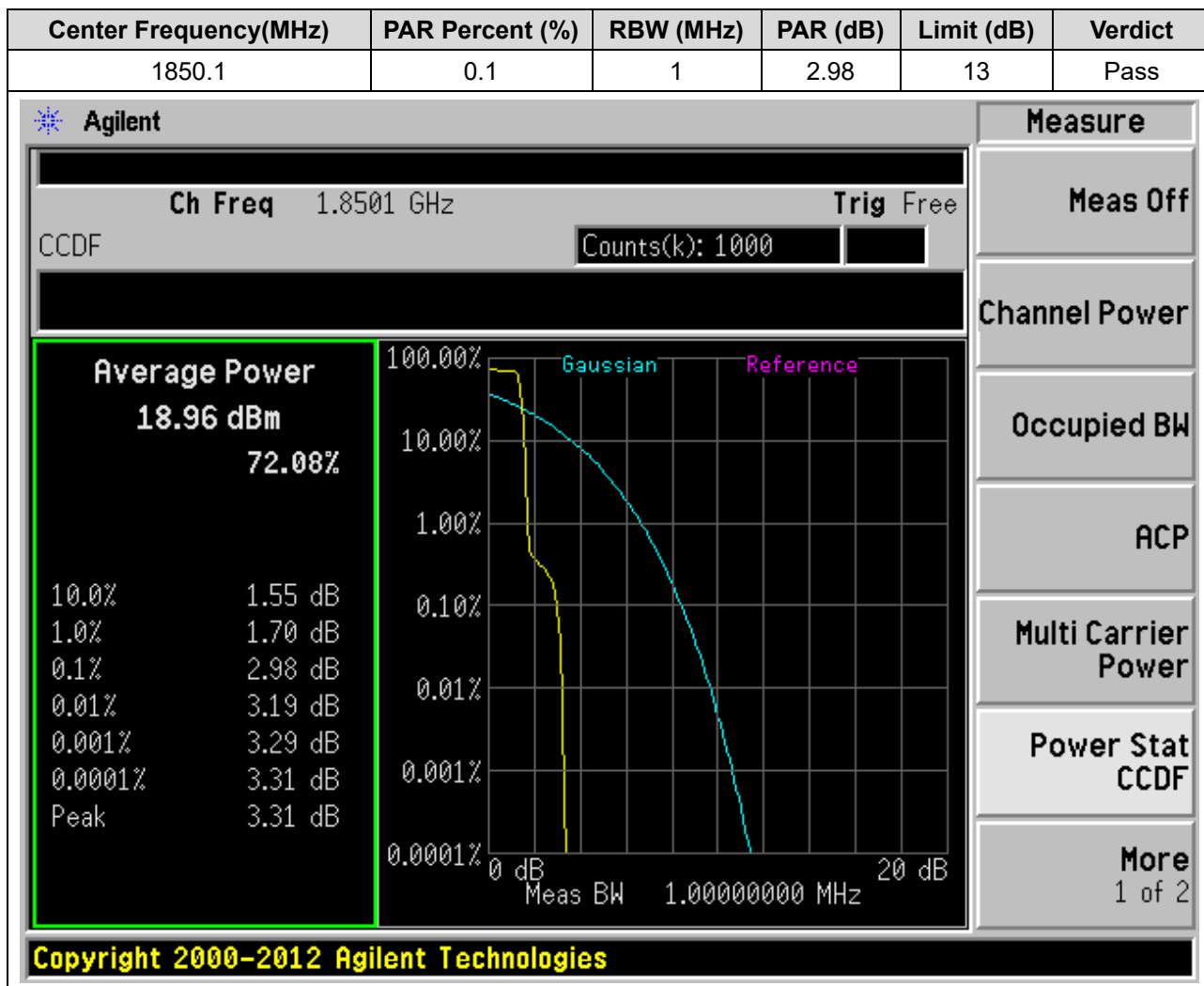


6.12. Cat-M Peak to Average Ratio_Part22-24-27(Channel:132572, Bandwidth:20, Modulation:16QAM, NB Index:0, RB Number:5, RB Position:0)(NTNV)



1. NB-IoT_Band2_BPSK_3.75kHz_1@0_Low

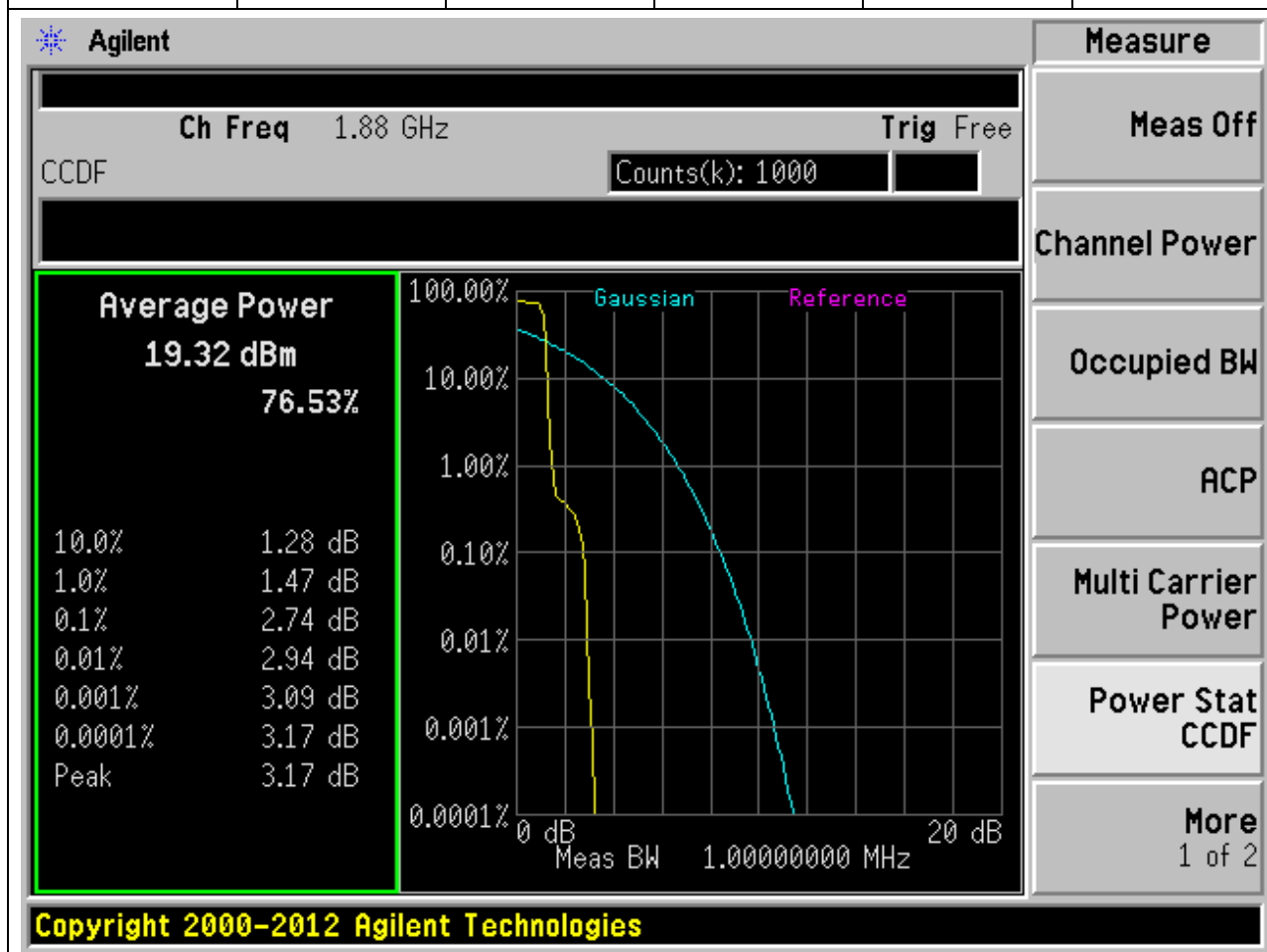
1.2. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



2. NB-IoT_Band2_BPSK_3.75kHz_1@0_Mid

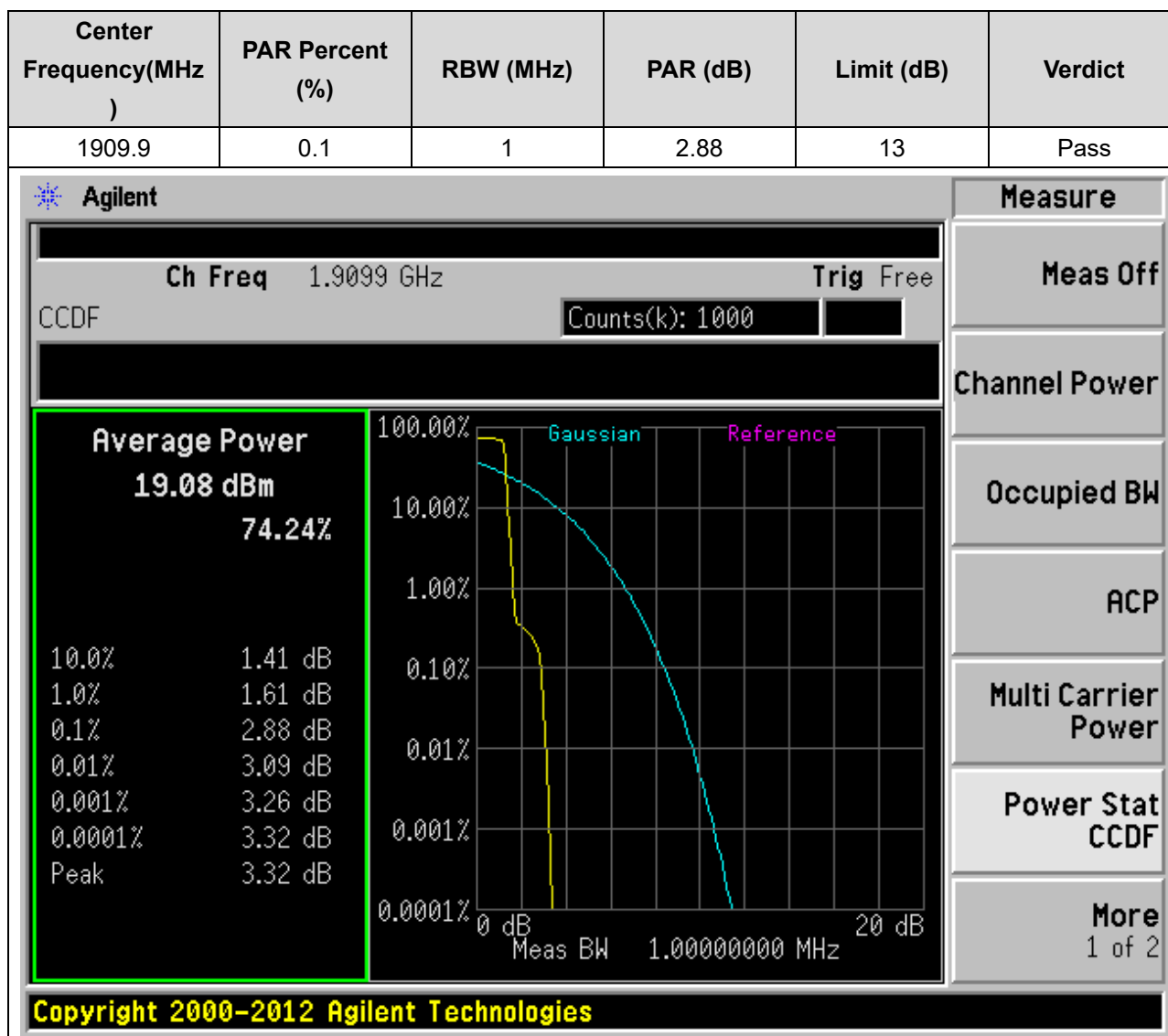
2.2. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
1880	0.1	1	2.74	13	Pass



3. NB-IoT_Band2_BPSK_3.75kHz_1@0_High

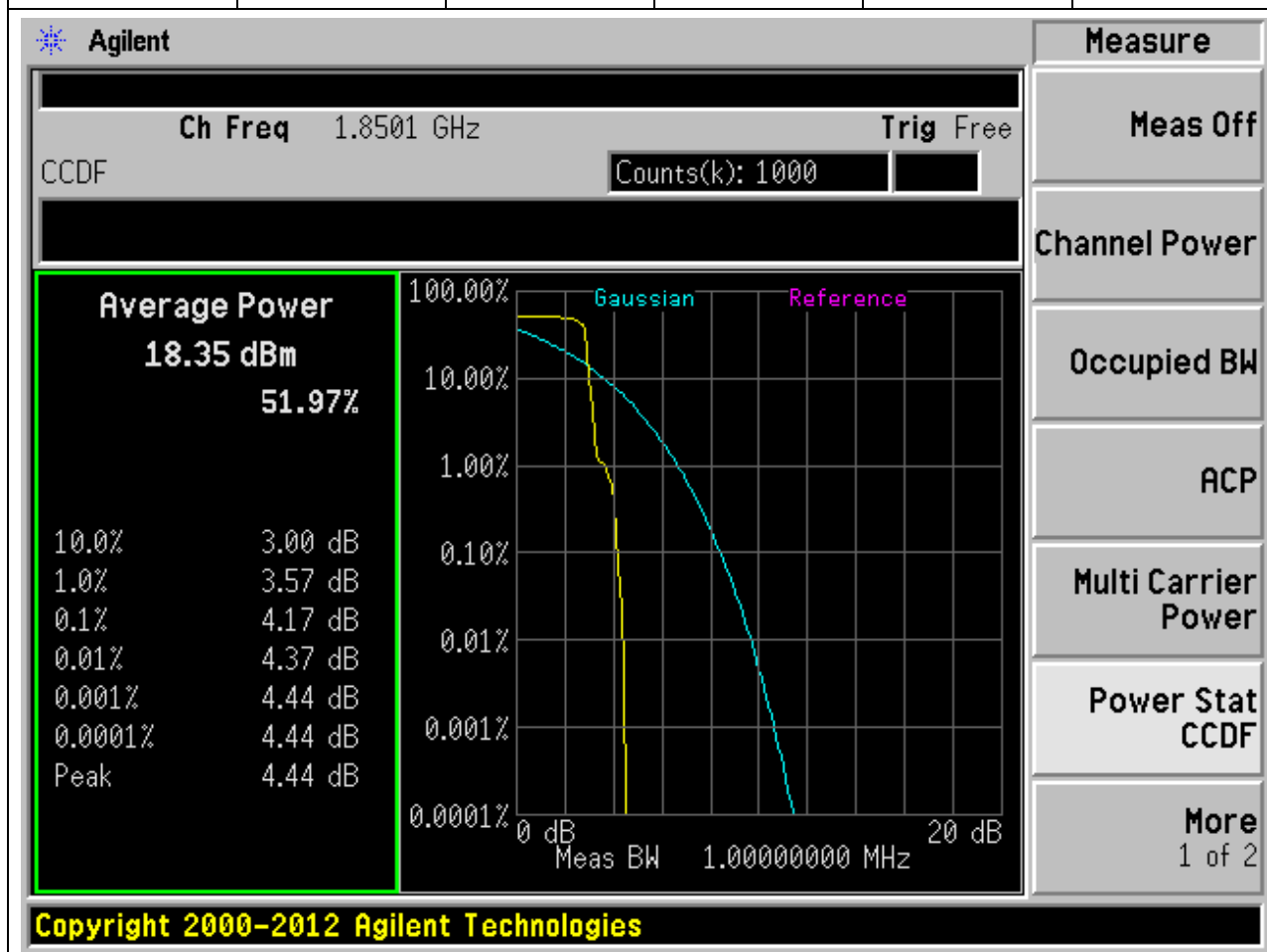
3.2. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



4. NB-IoT_Band2_BPSK_15kHz_1@0_Low

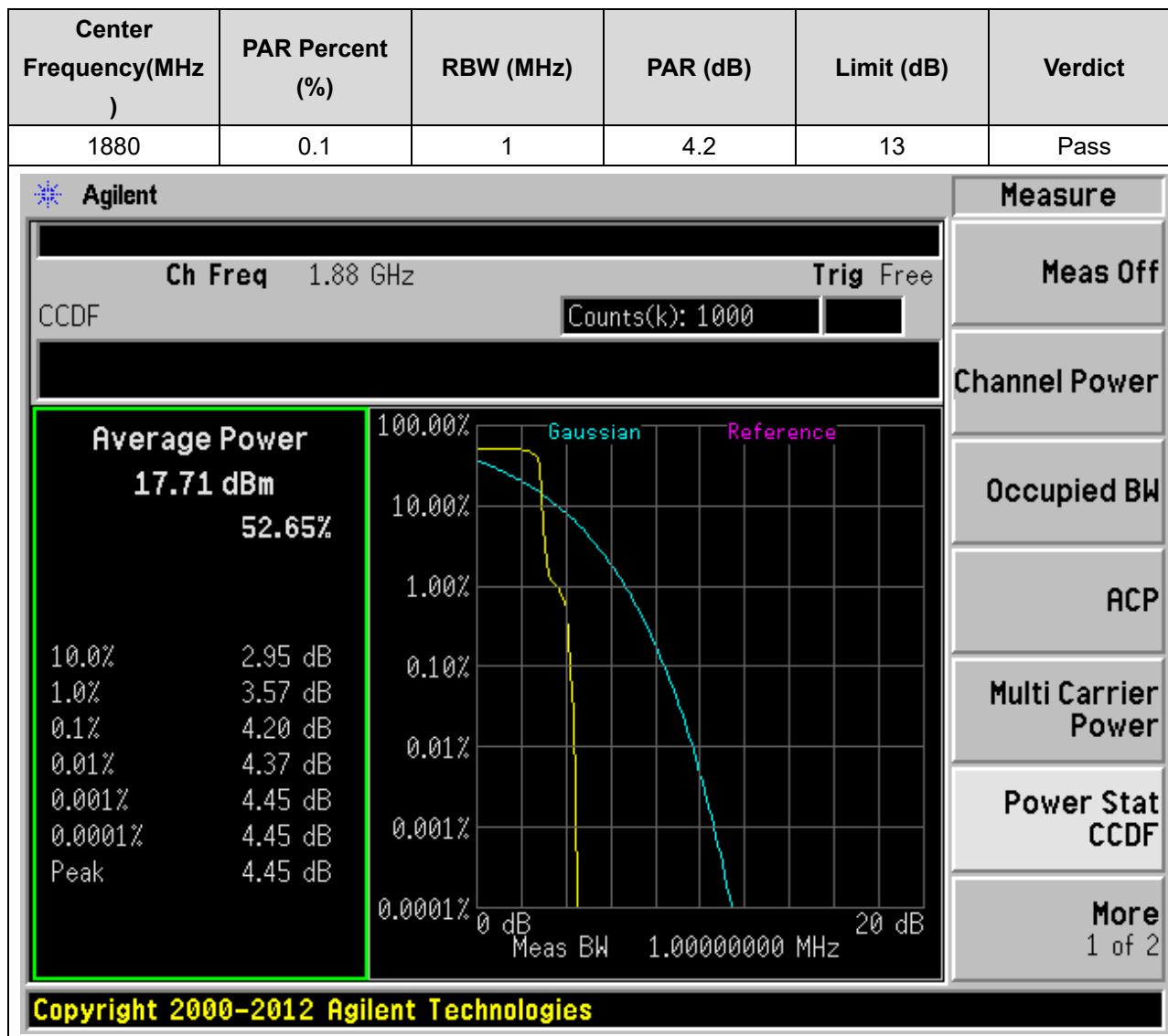
4.4. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
1850.1	0.1	1	4.17	13	Pass



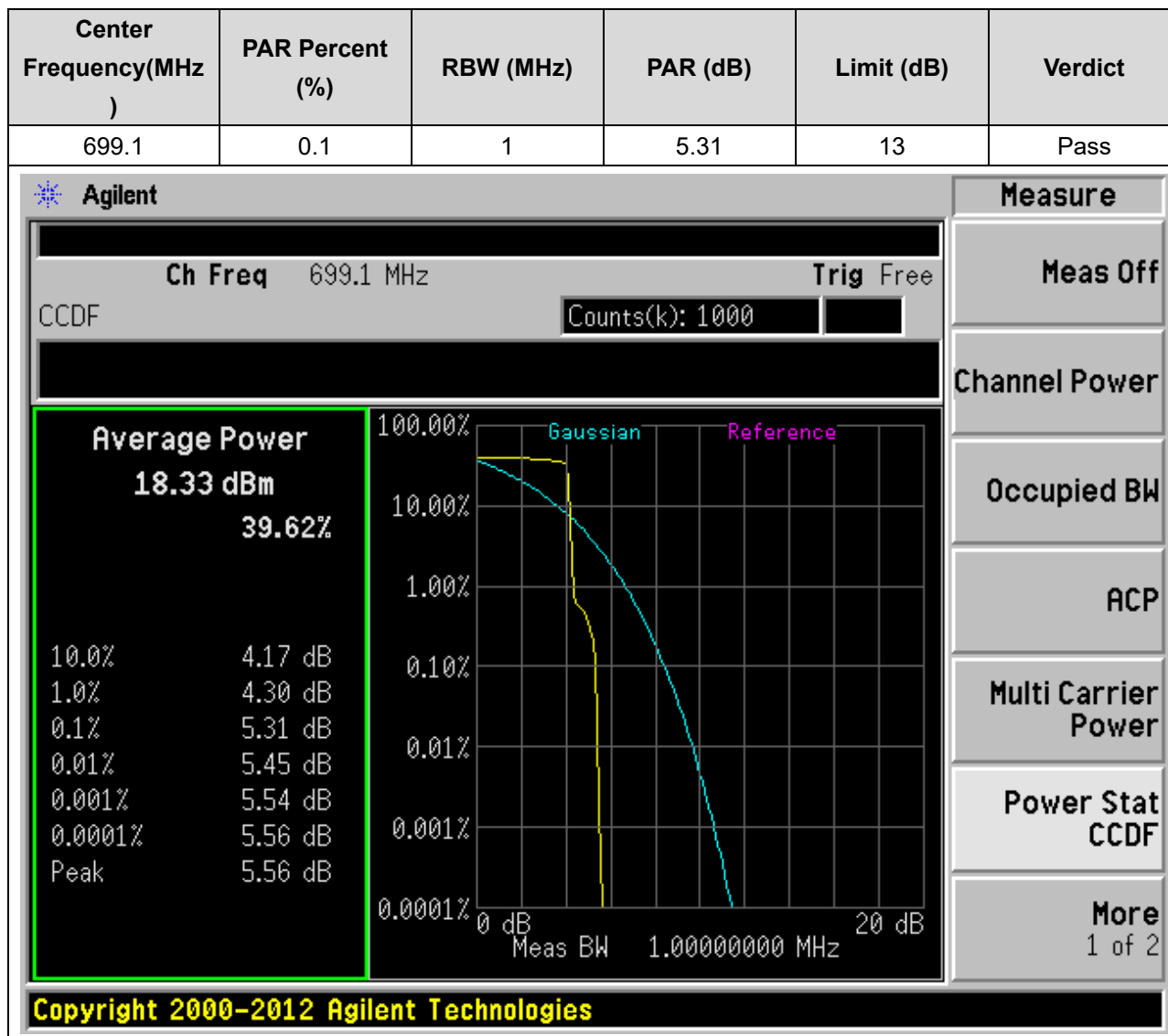
5. NB-IoT_Band2_BPSK_15kHz_1@0_Mid

5.2. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



6. NB-IoT_Band12_QPSK_15kHz_1@0_Low

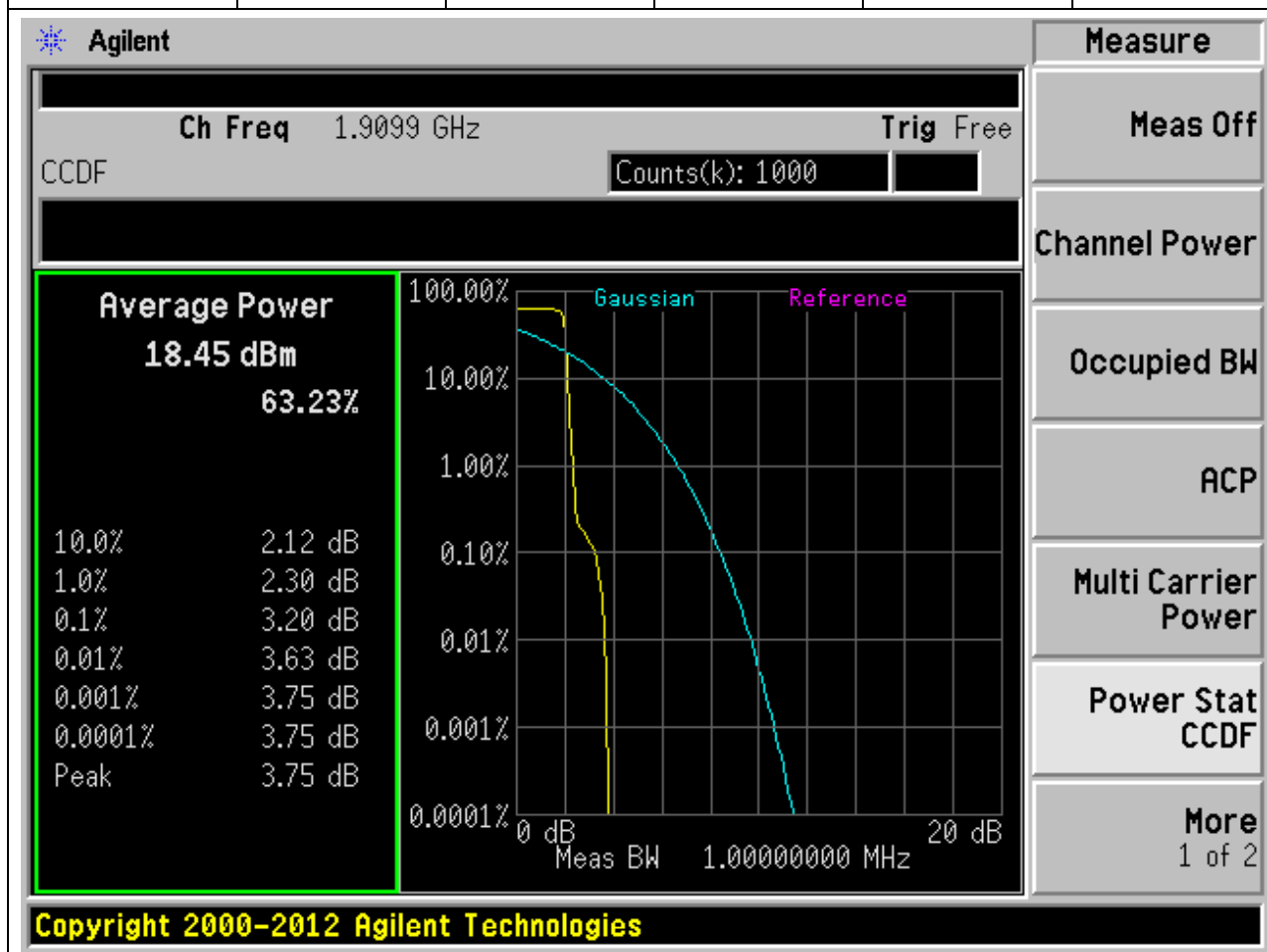
6.2. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



7. NB-IoT_Band2_QPSK_3.75kHz_1@0_High

7.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

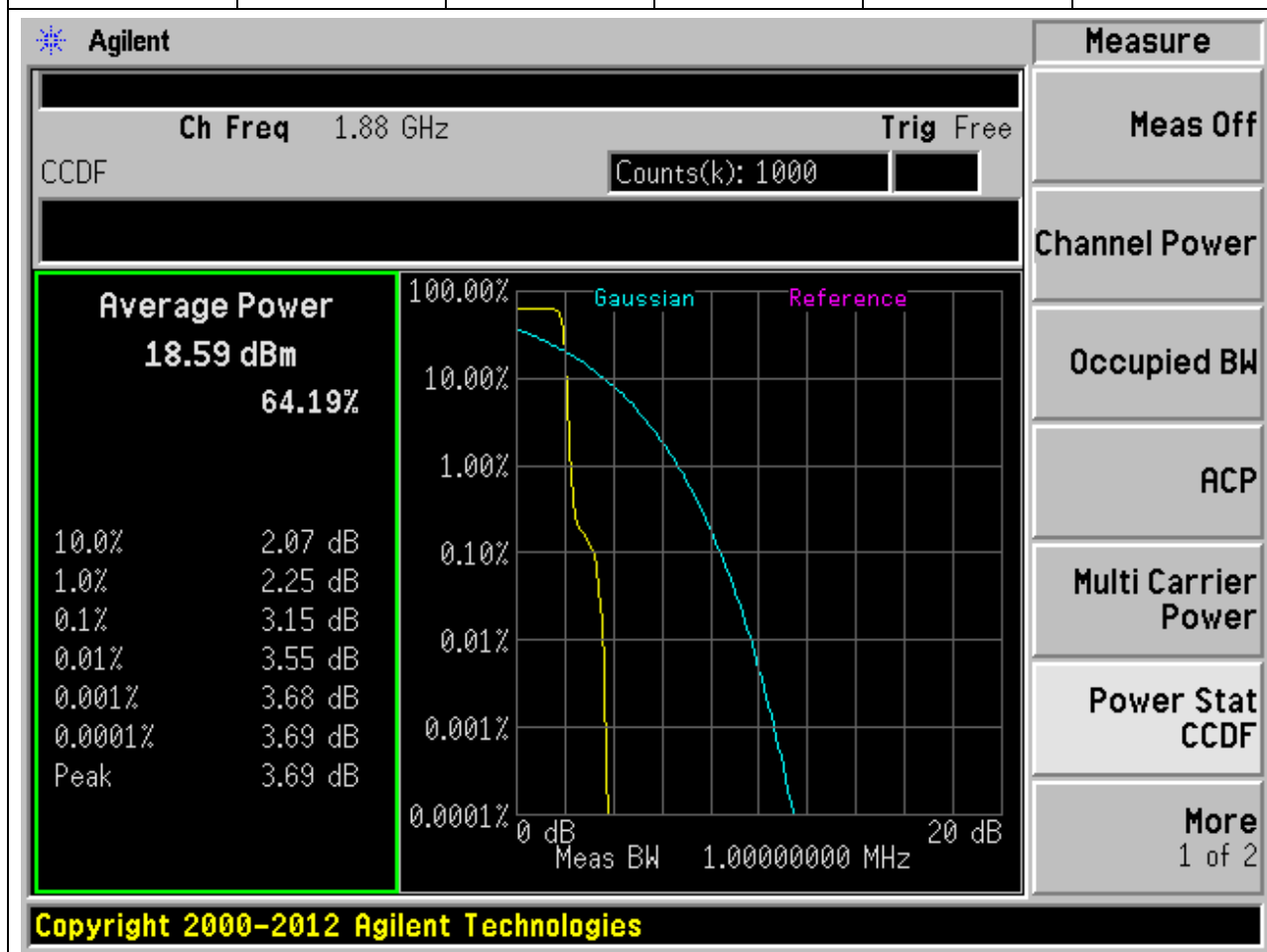
Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
1909.9	0.1	1	3.2	13	Pass



8. NB-IoT_Band2_QPSK_3.75kHz_1@0_Mid

8.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

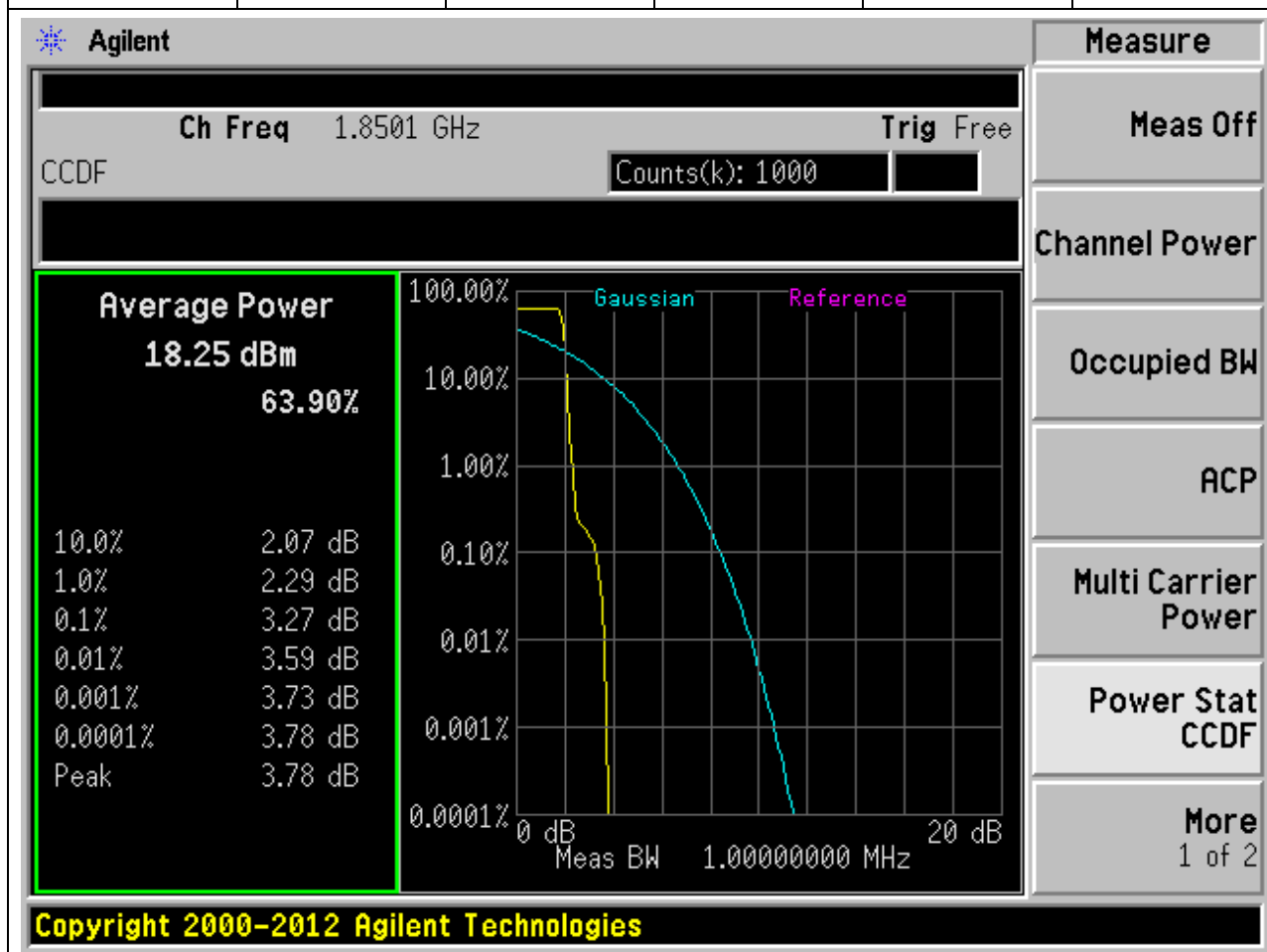
Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
1880	0.1	1	3.15	13	Pass



9. NB-IoT_Band2_QPSK_3.75kHz_1@0_Low

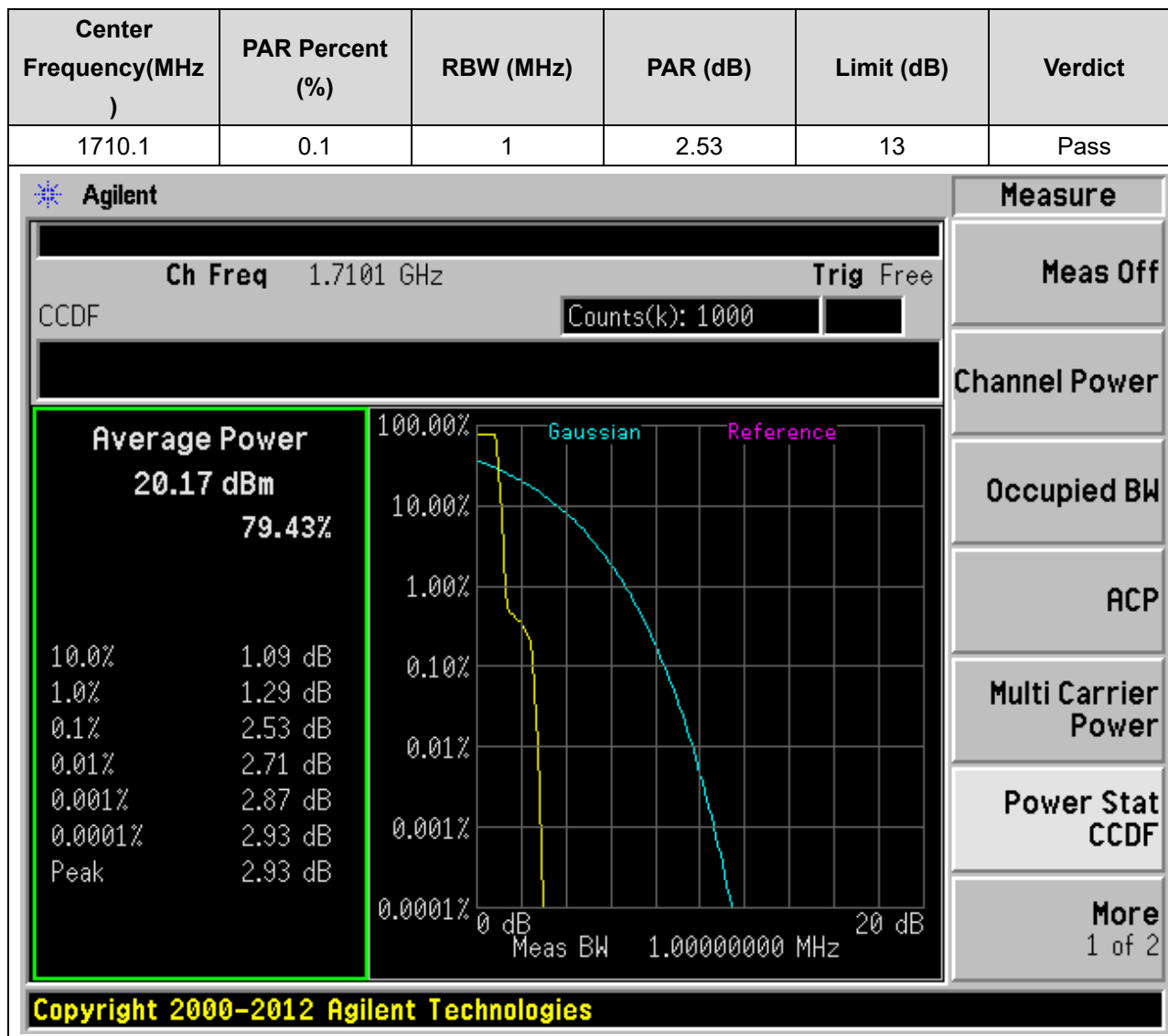
9.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
1850.1	0.1	1	3.27	13	Pass



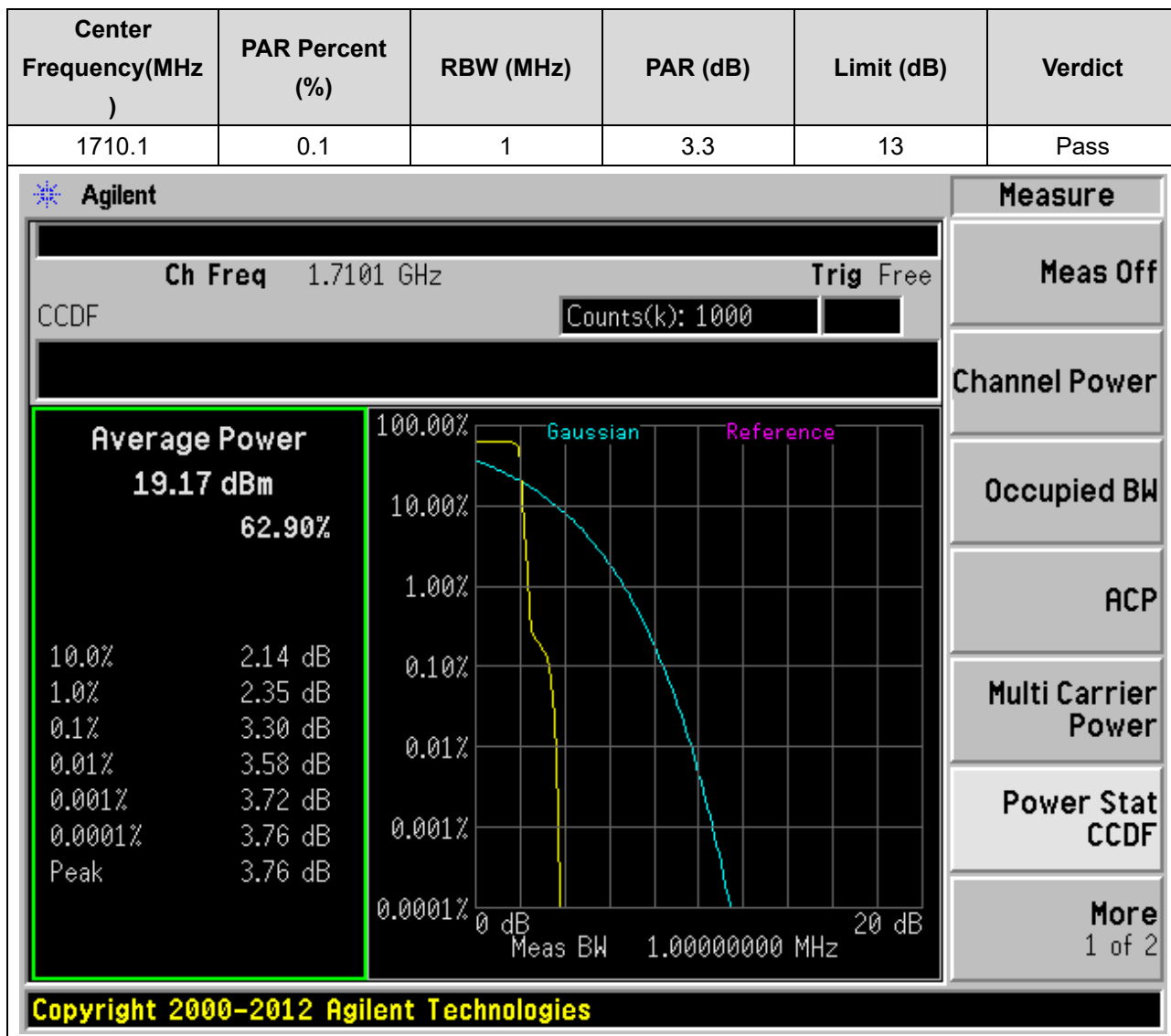
10. NB-IoT_Band4_BPSK_3.75kHz_1@0_Low

10.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



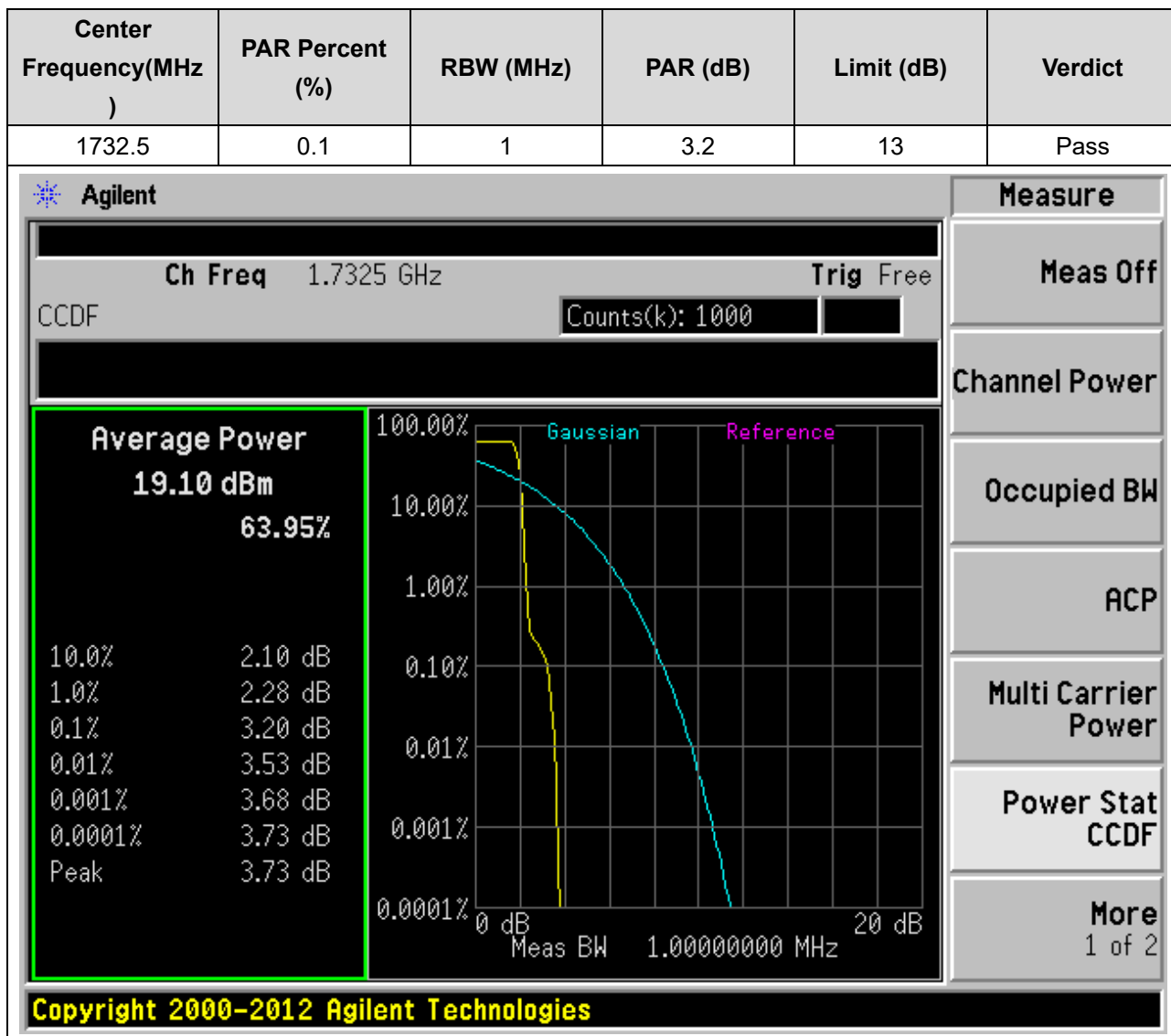
11. NB-IoT_Band4_QPSK_3.75kHz_1@0_Low

11.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



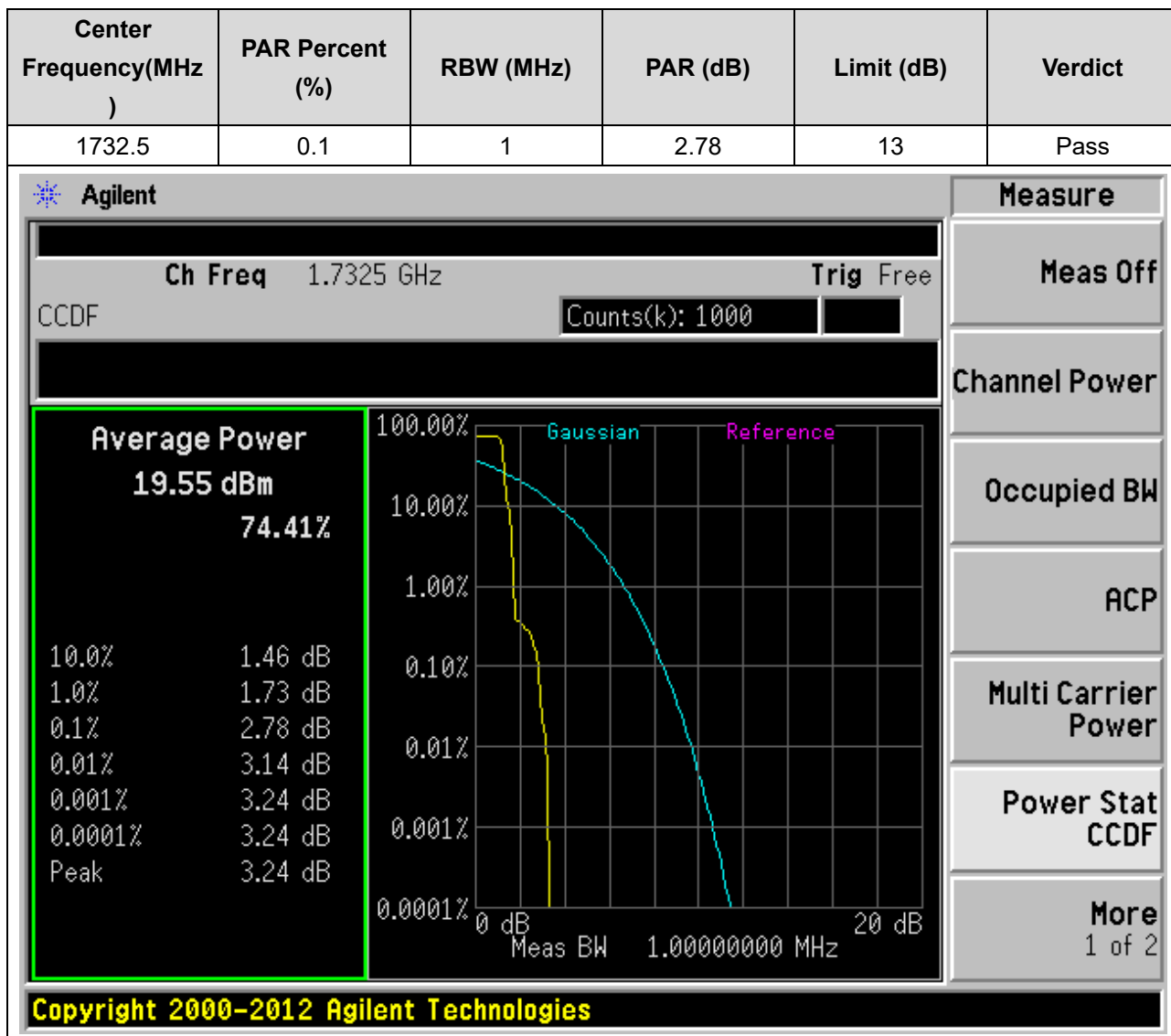
12. NB-IoT_Band4_QPSK_3.75kHz_1@0_Mid

12.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



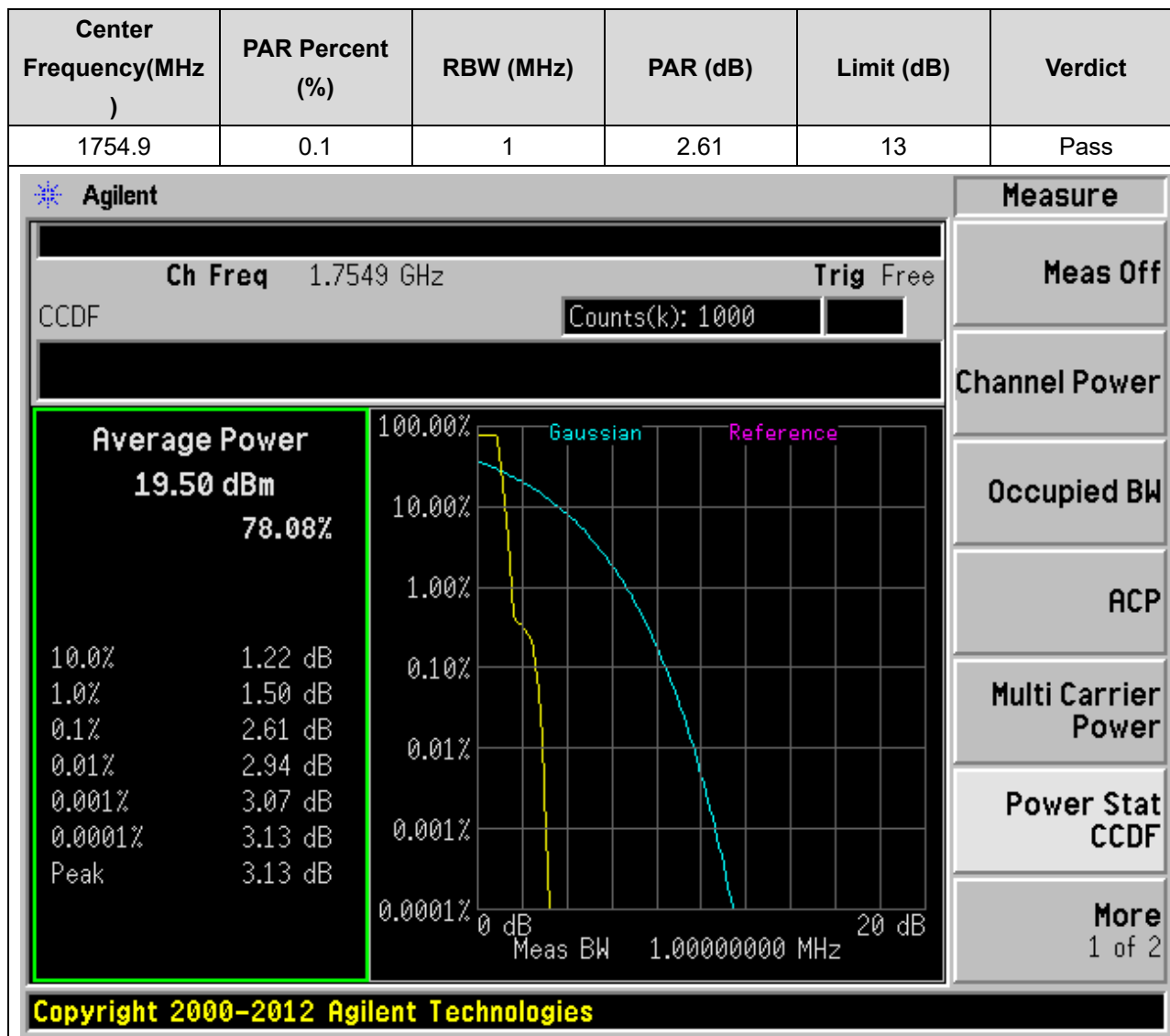
13. NB-IoT_Band4_BPSK_3.75kHz_1@0_Mid

13.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



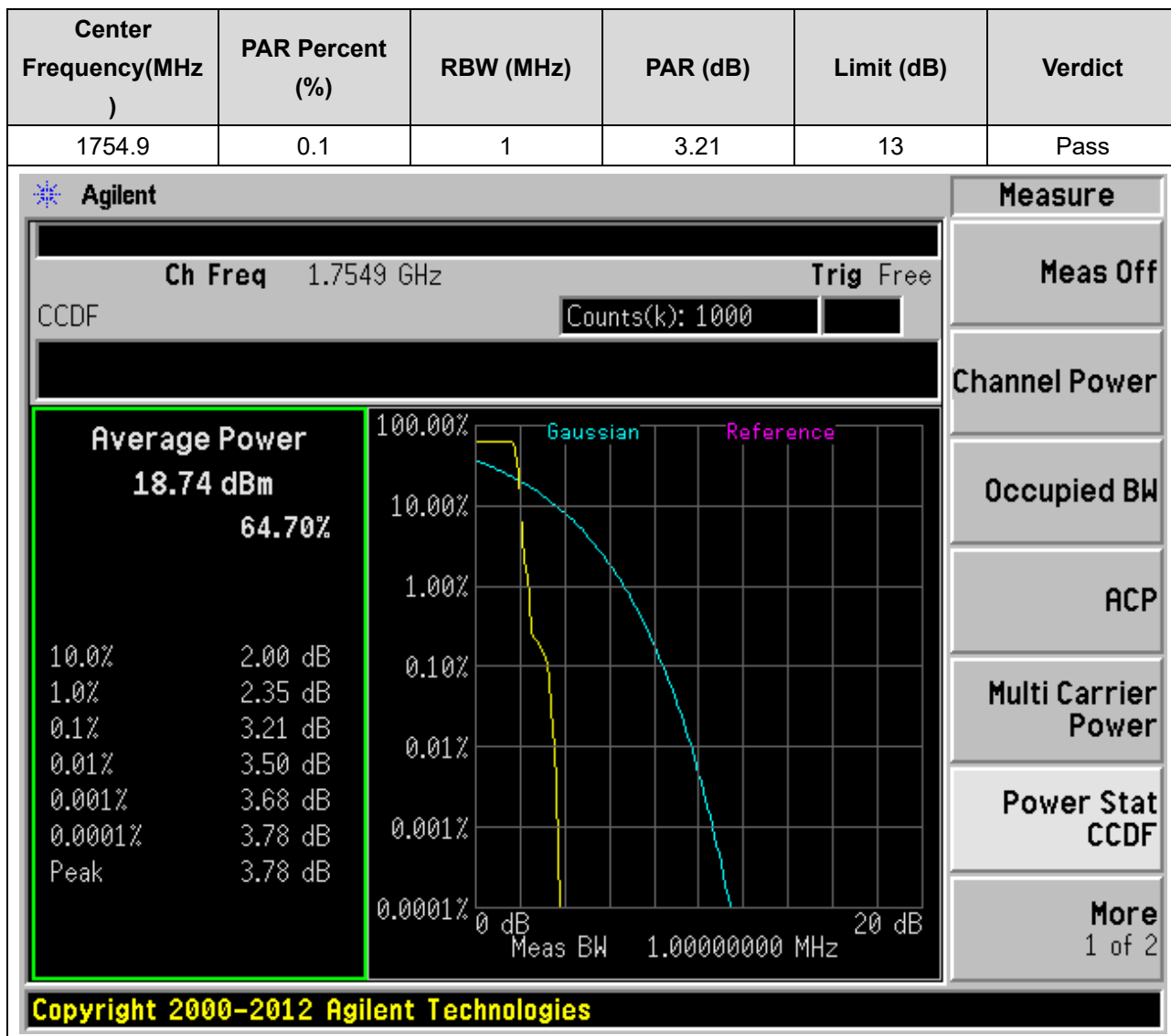
14. NB-IoT_Band4_BPSK_3.75kHz_1@0_High

14.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



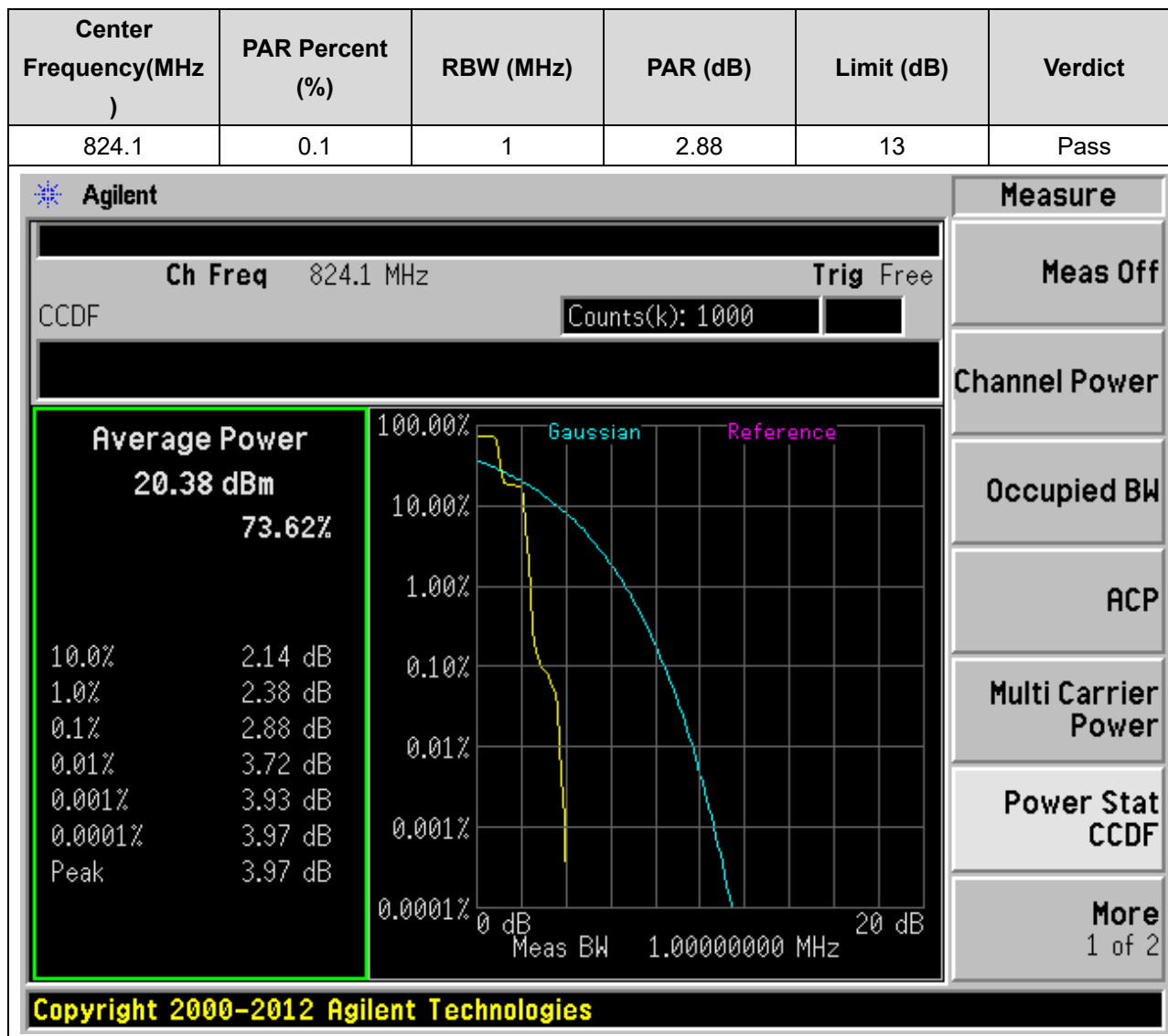
15. NB-IoT_Band4_QPSK_3.75kHz_1@0_High

15.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



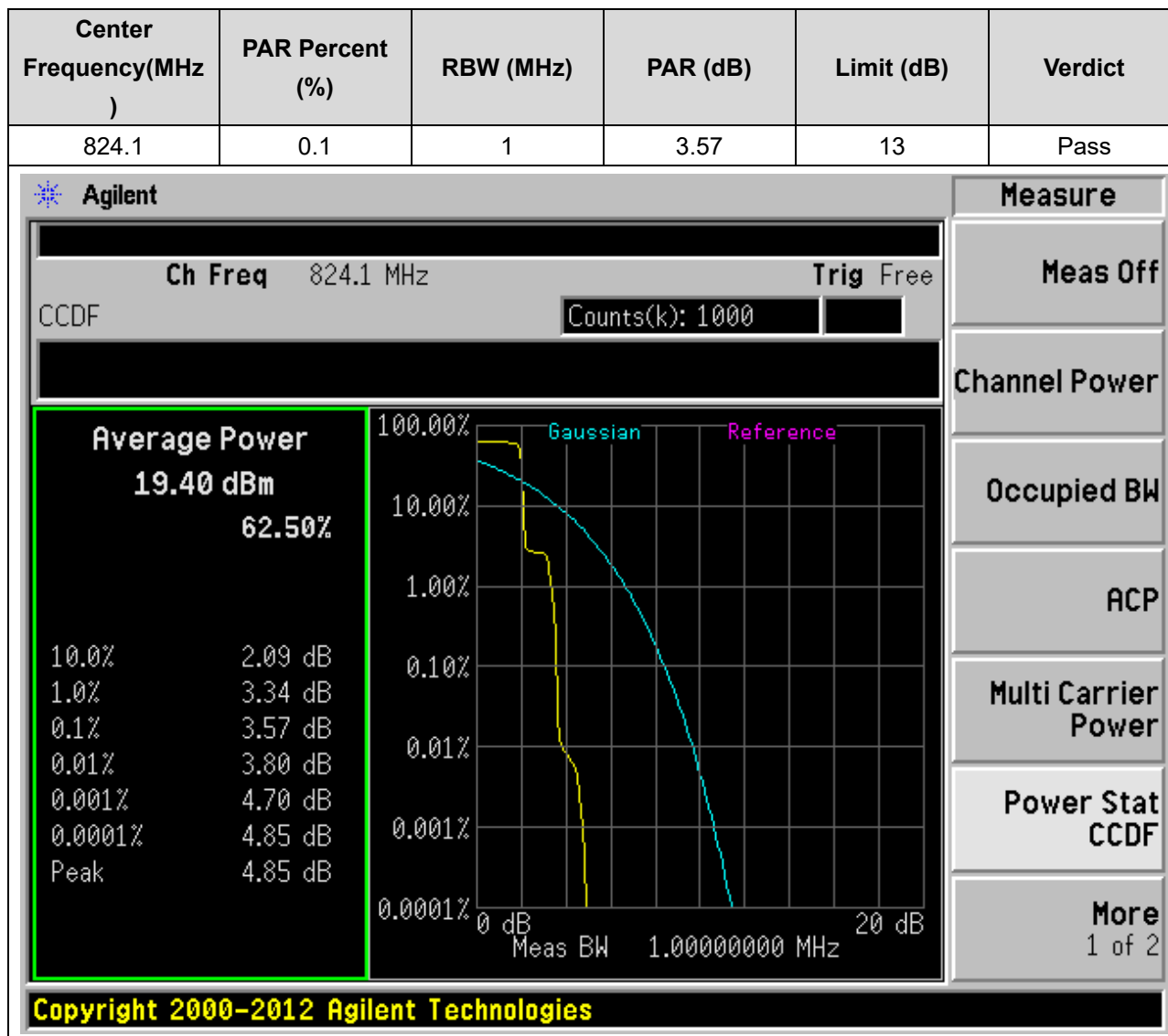
16. NB-IoT_Band5_BPSK_3.75kHz_1@0_Low

16.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



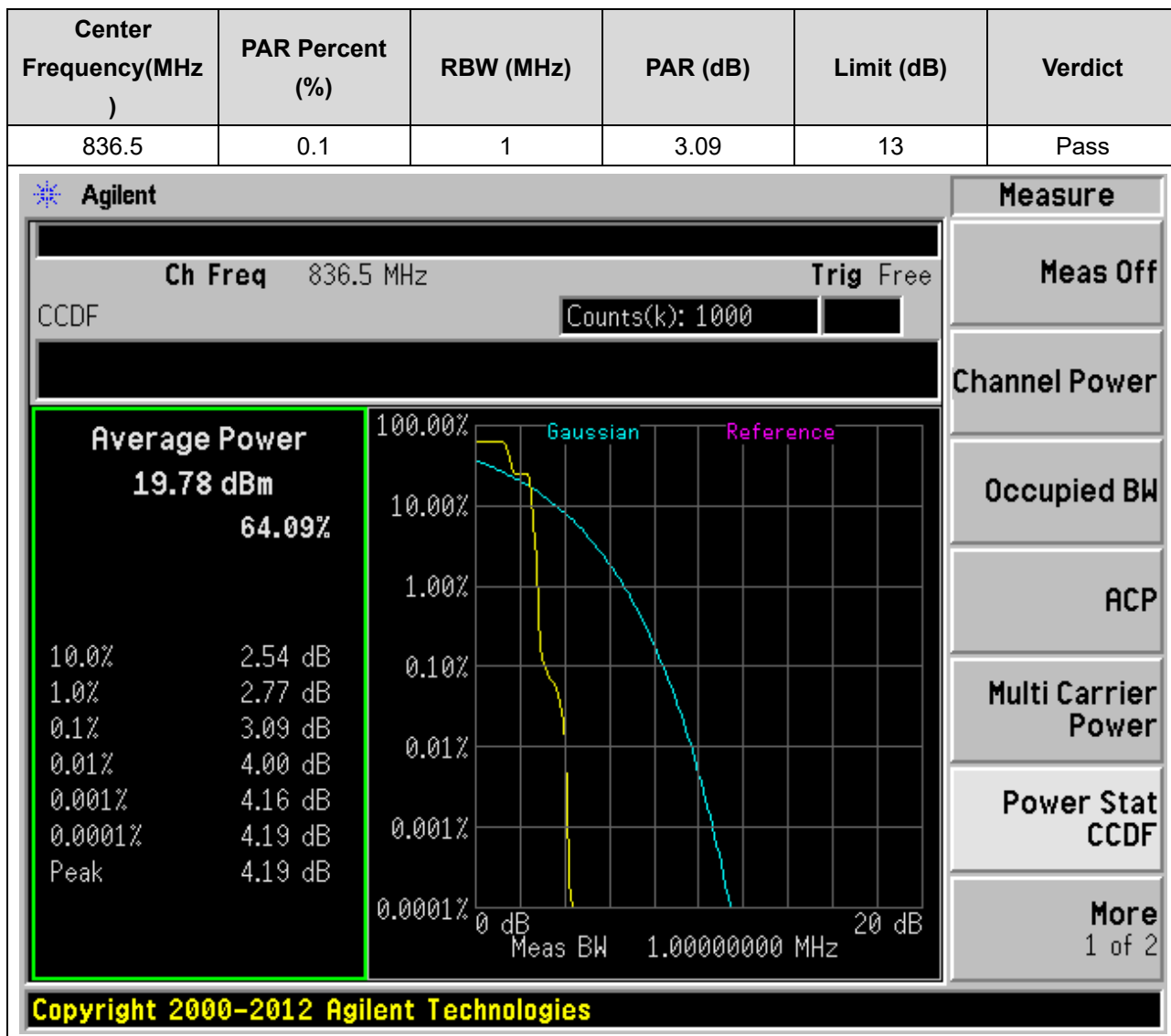
17. NB-IoT_Band5_QPSK_3.75kHz_1@0_Low

17.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



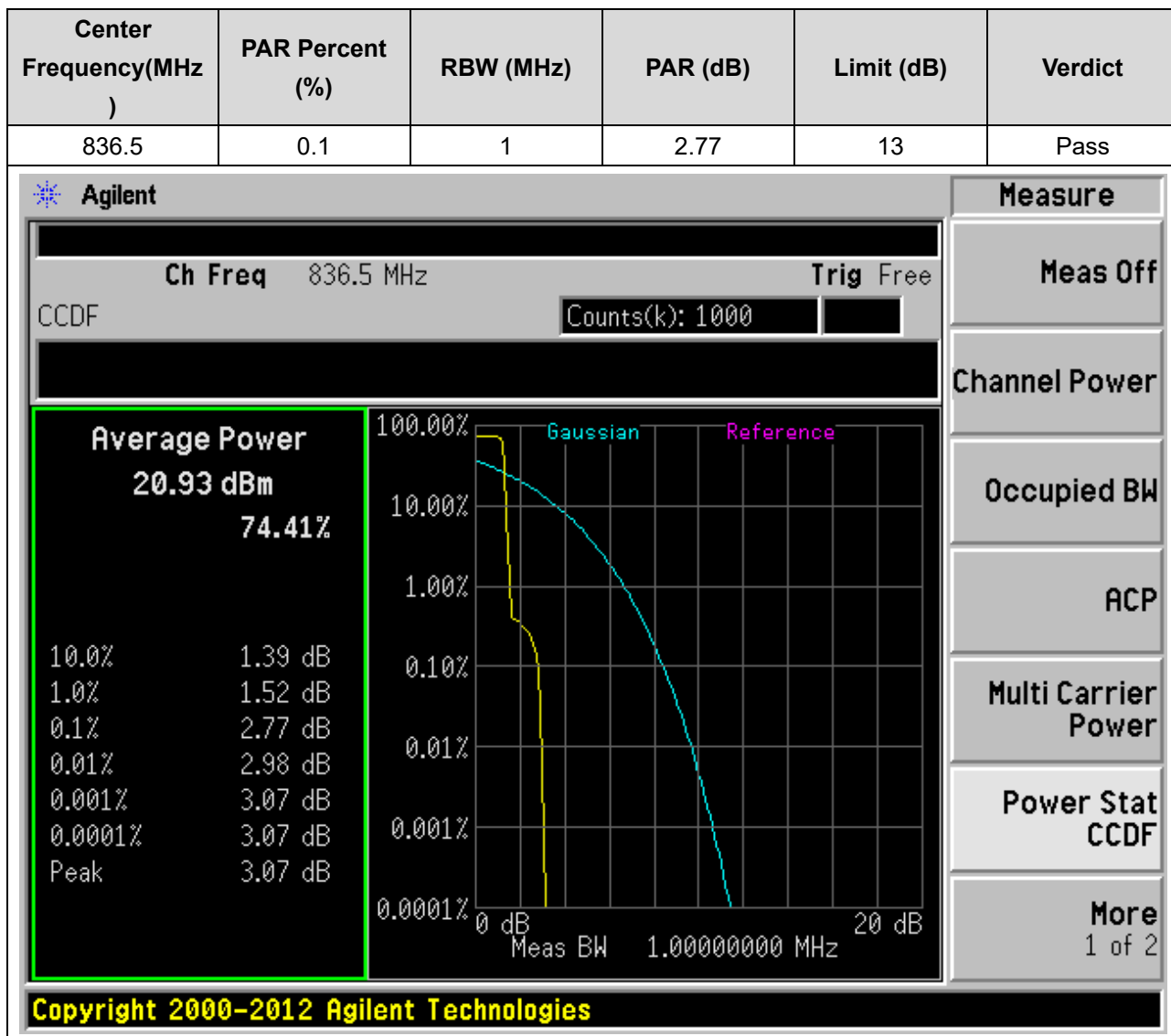
18. NB-IoT_Band5_QPSK_3.75kHz_1@0_Mid

18.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



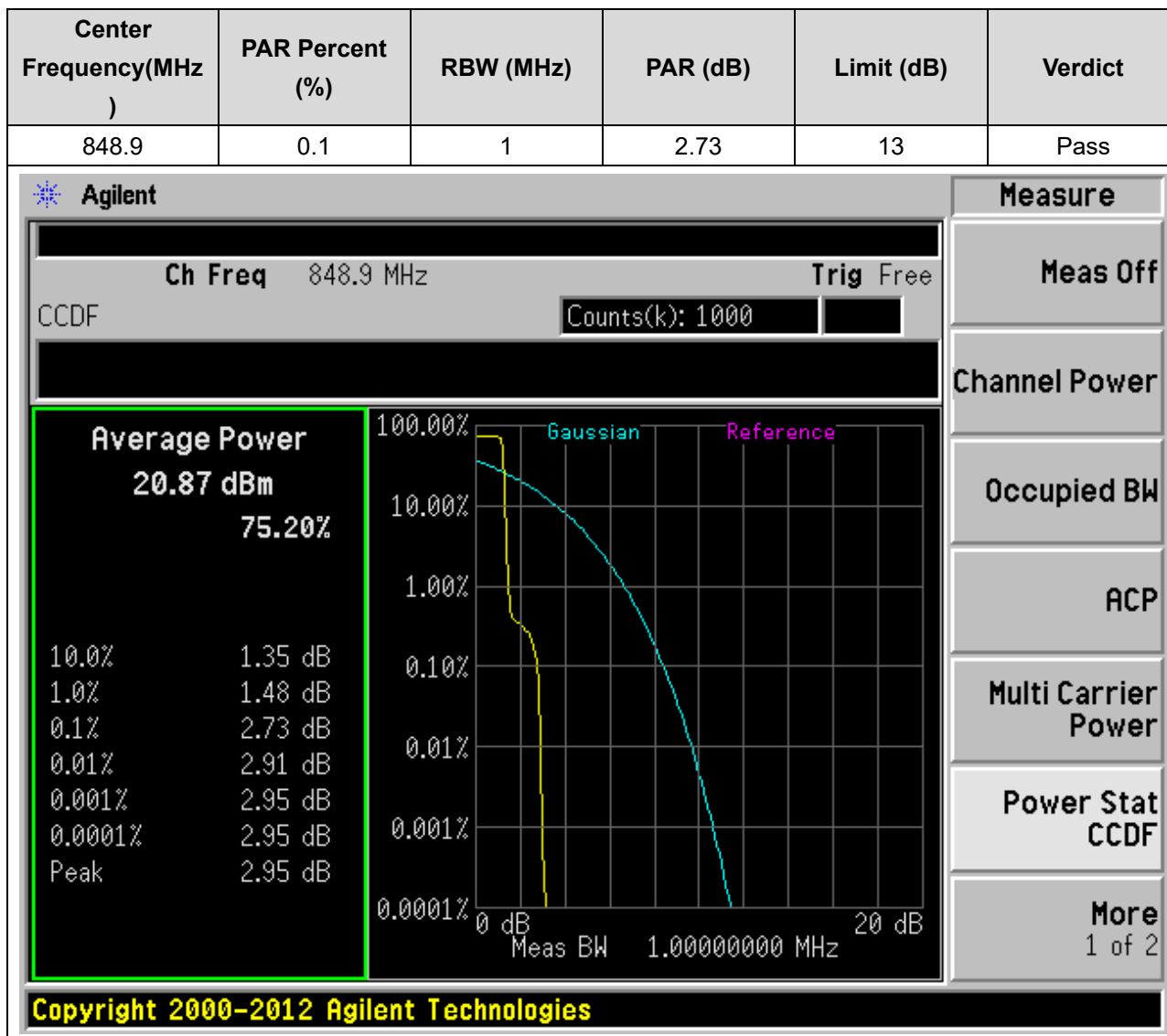
19. NB-IoT_Band5_BPSK_3.75kHz_1@0_Mid

19.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



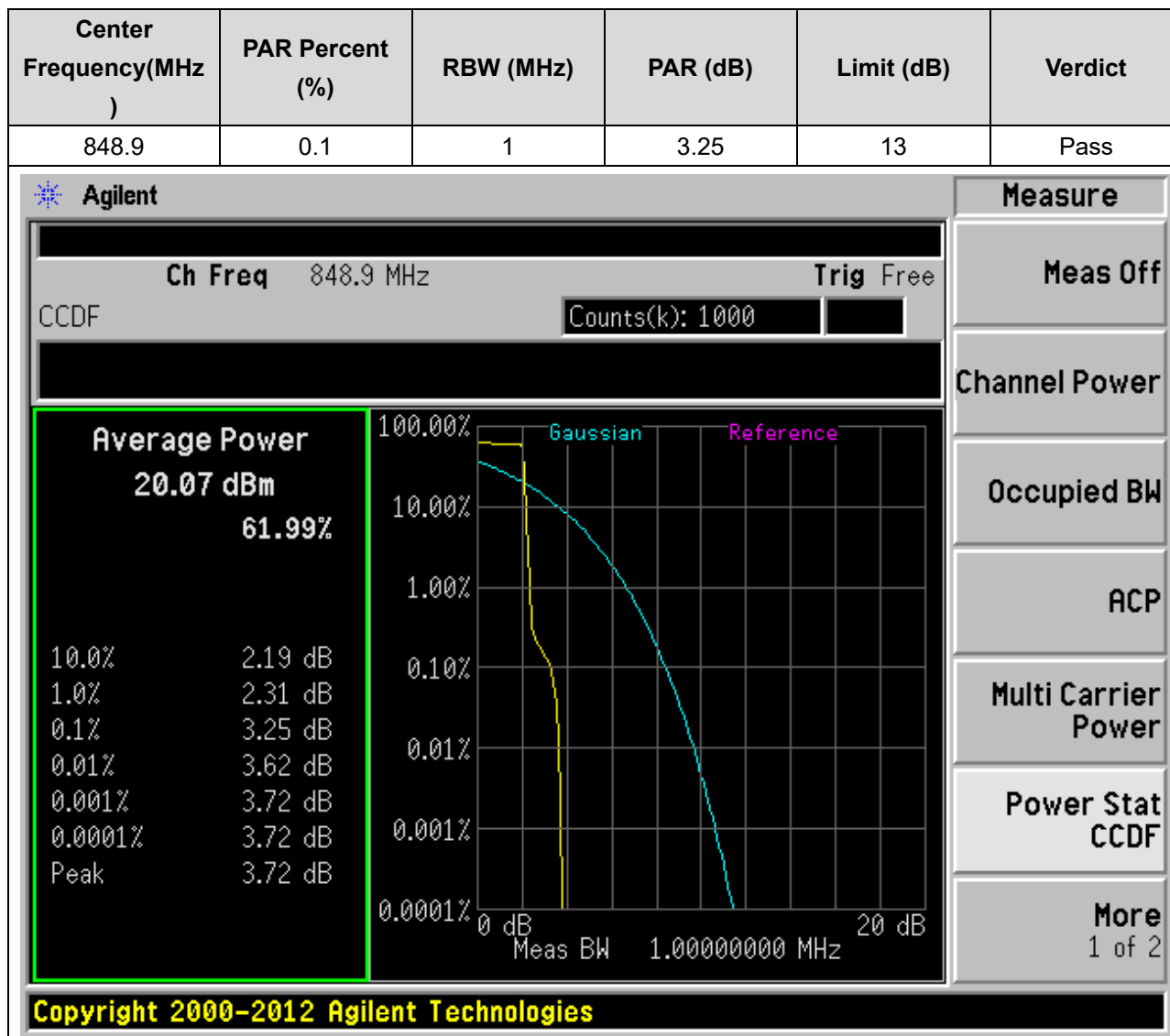
20. NB-IoT_Band5_BPSK_3.75kHz_1@0_High

20.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



21. NB-IoT_Band5_QPSK_3.75kHz_1@0_High

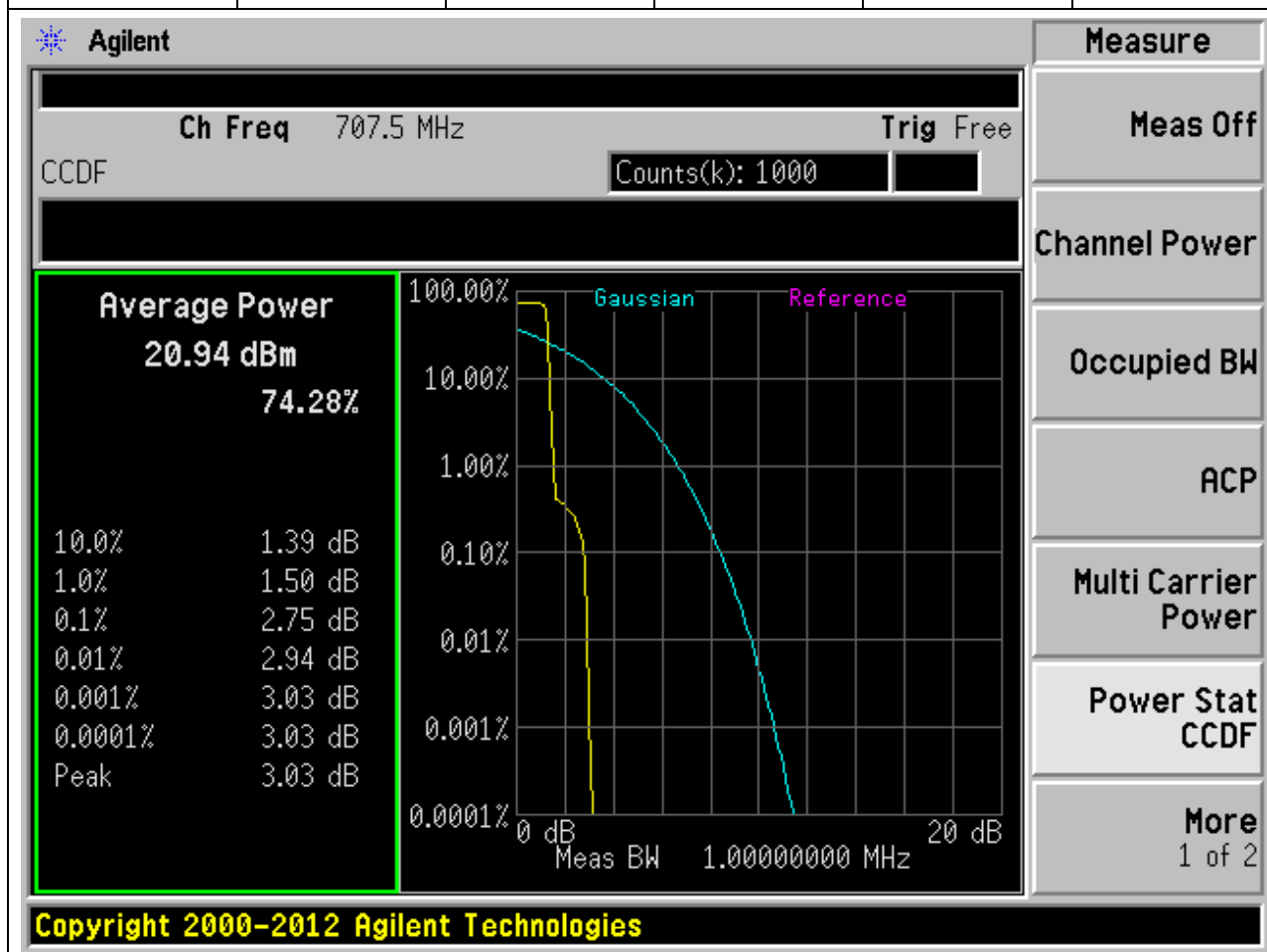
21.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



22. NB-IoT_Band12_BPSK_3.75kHz_1@0_Mid

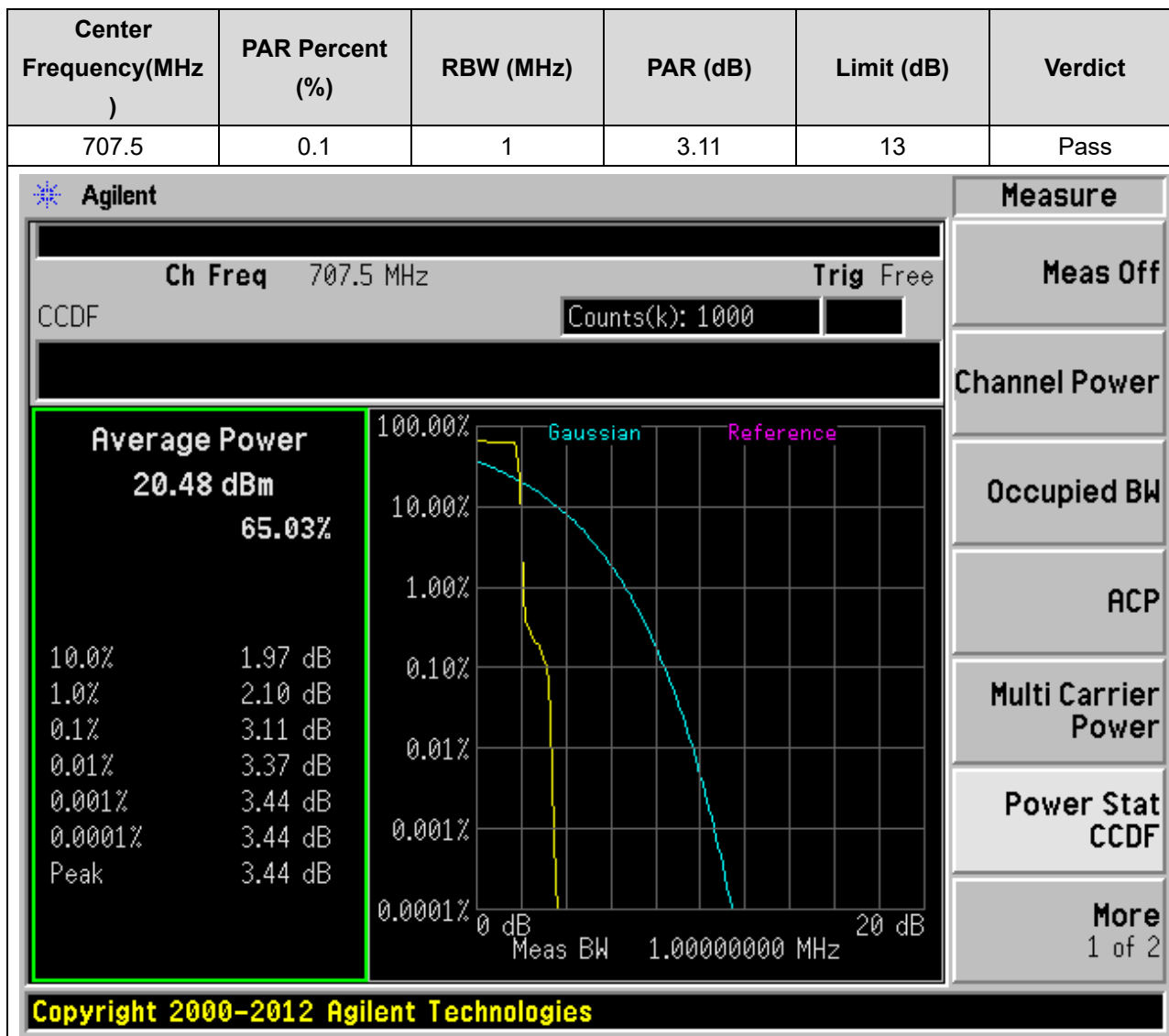
22.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
707.5	0.1	1	2.75	13	Pass



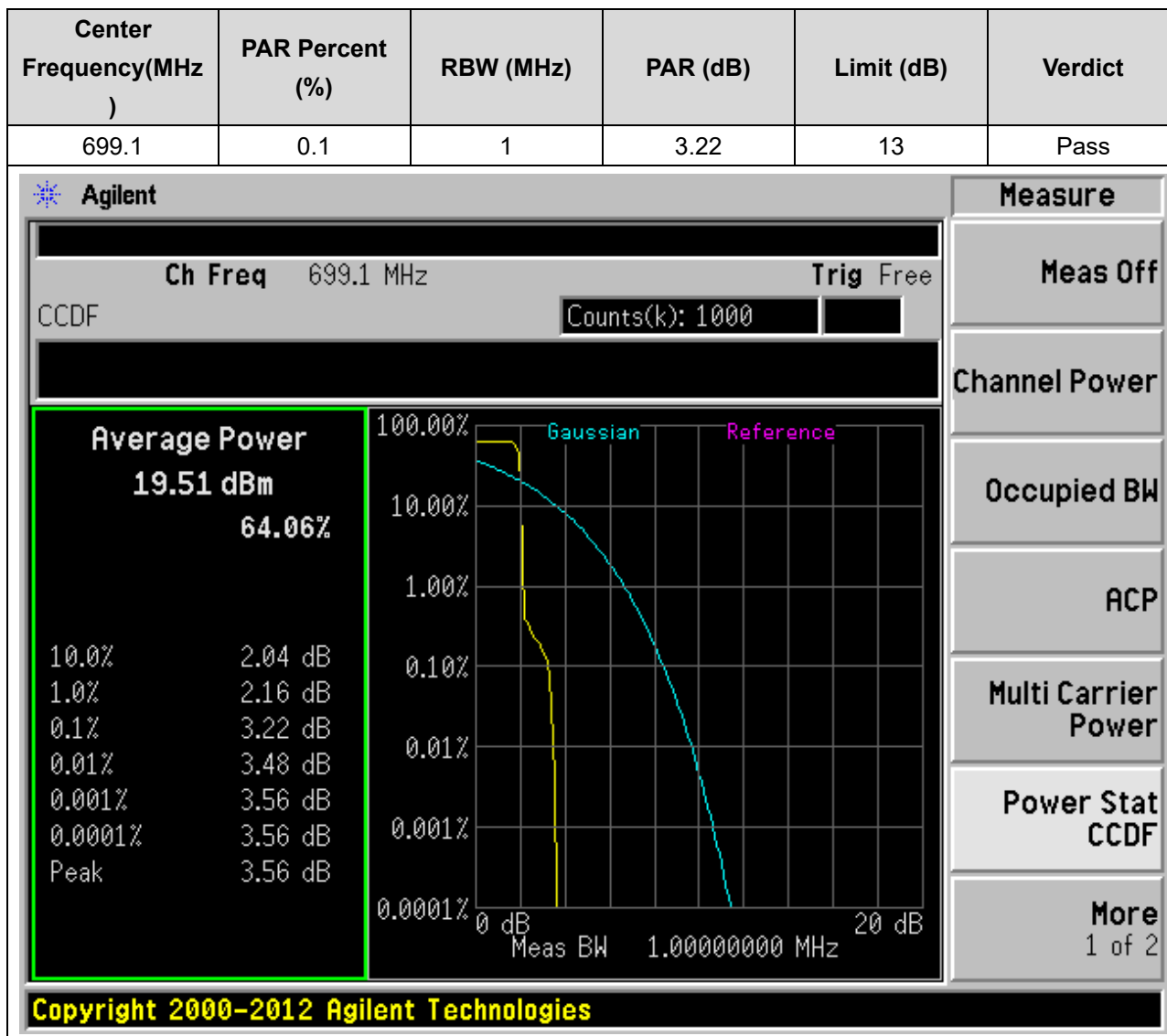
23. NB-IoT_Band12_QPSK_3.75kHz_1@0_Mid

23.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



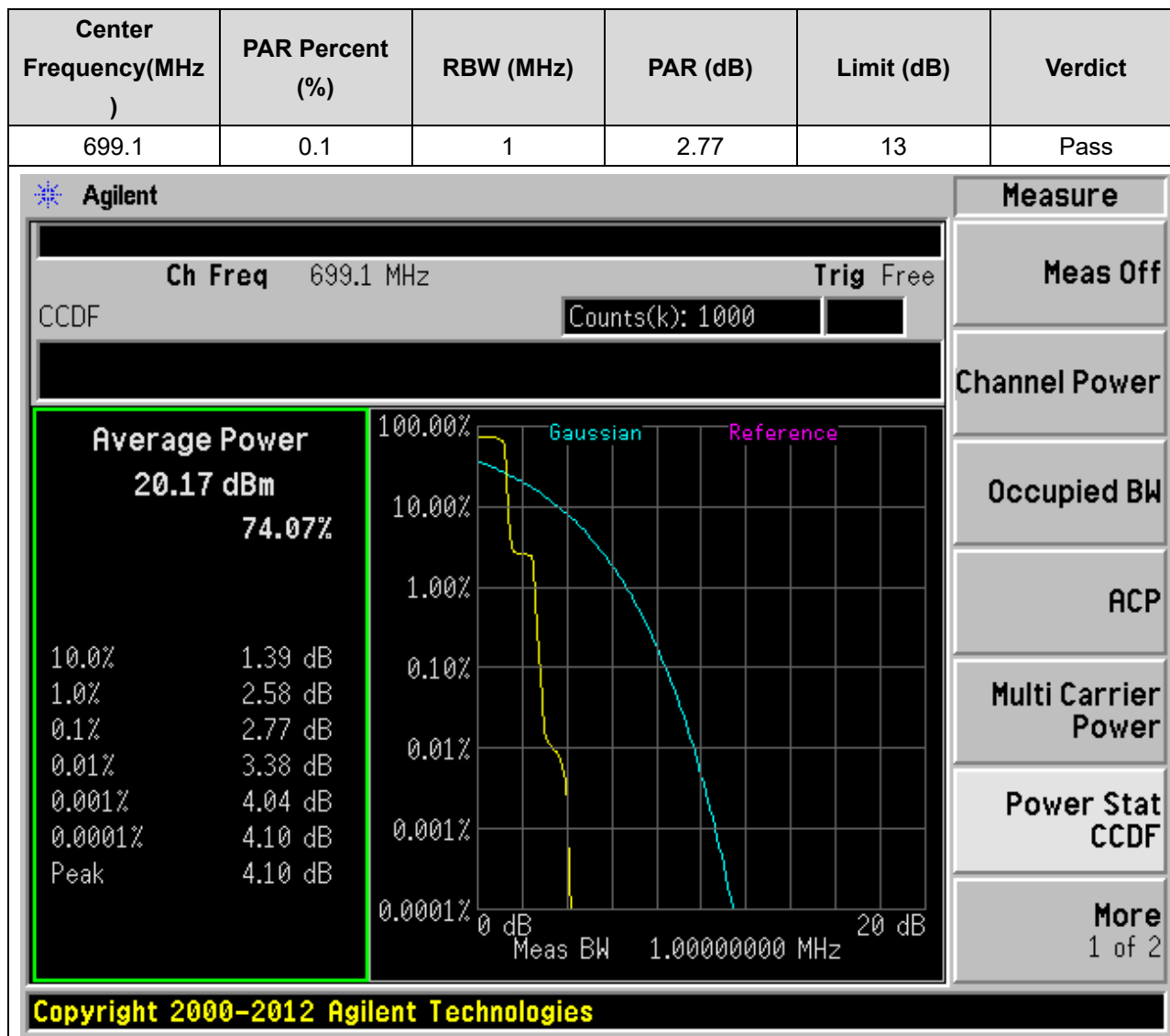
24. NB-IoT_Band12_QPSK_3.75kHz_1@0_Low

24.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



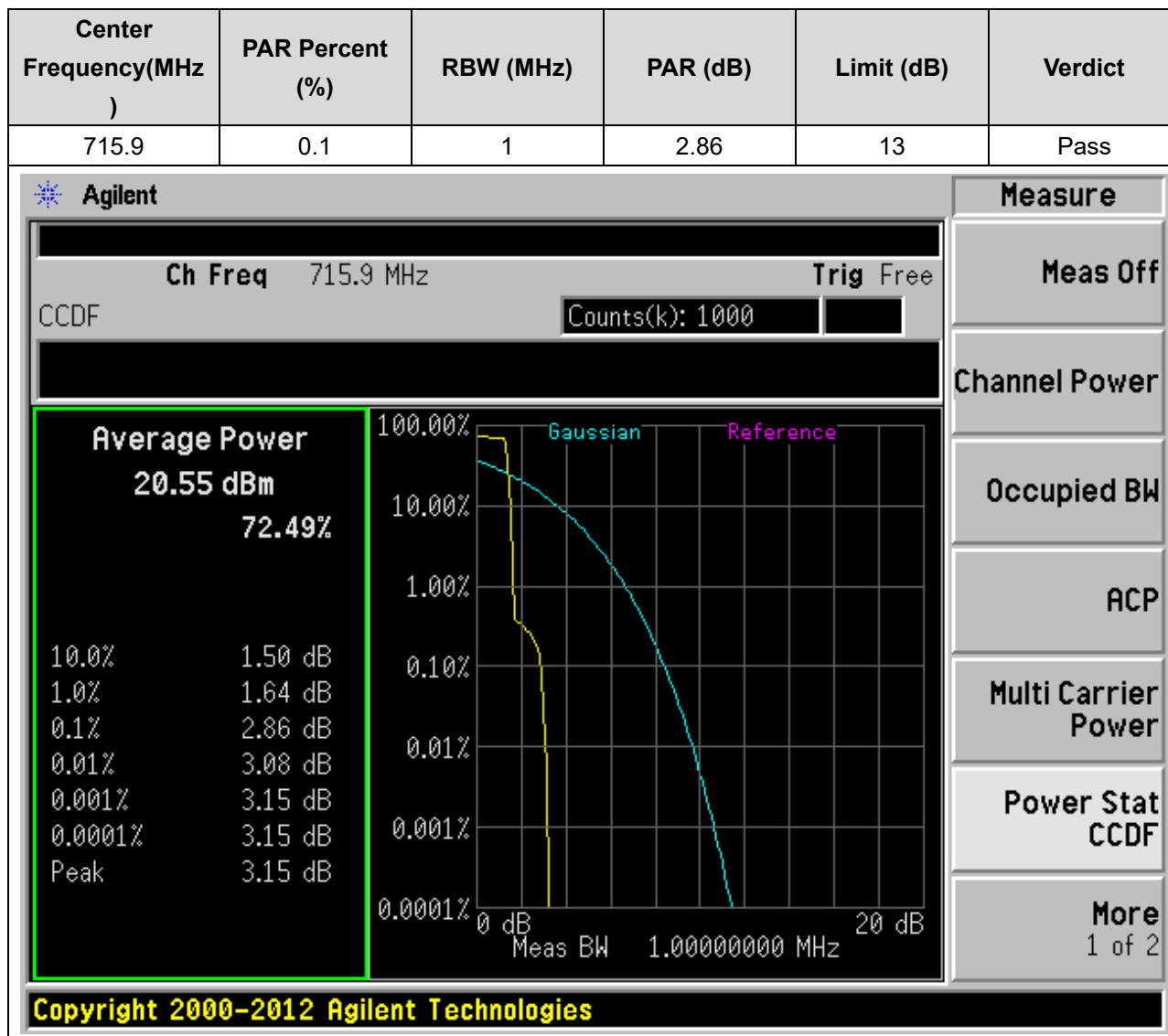
25. NB-IoT_Band12_BPSK_3.75kHz_1@0_Low

25.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



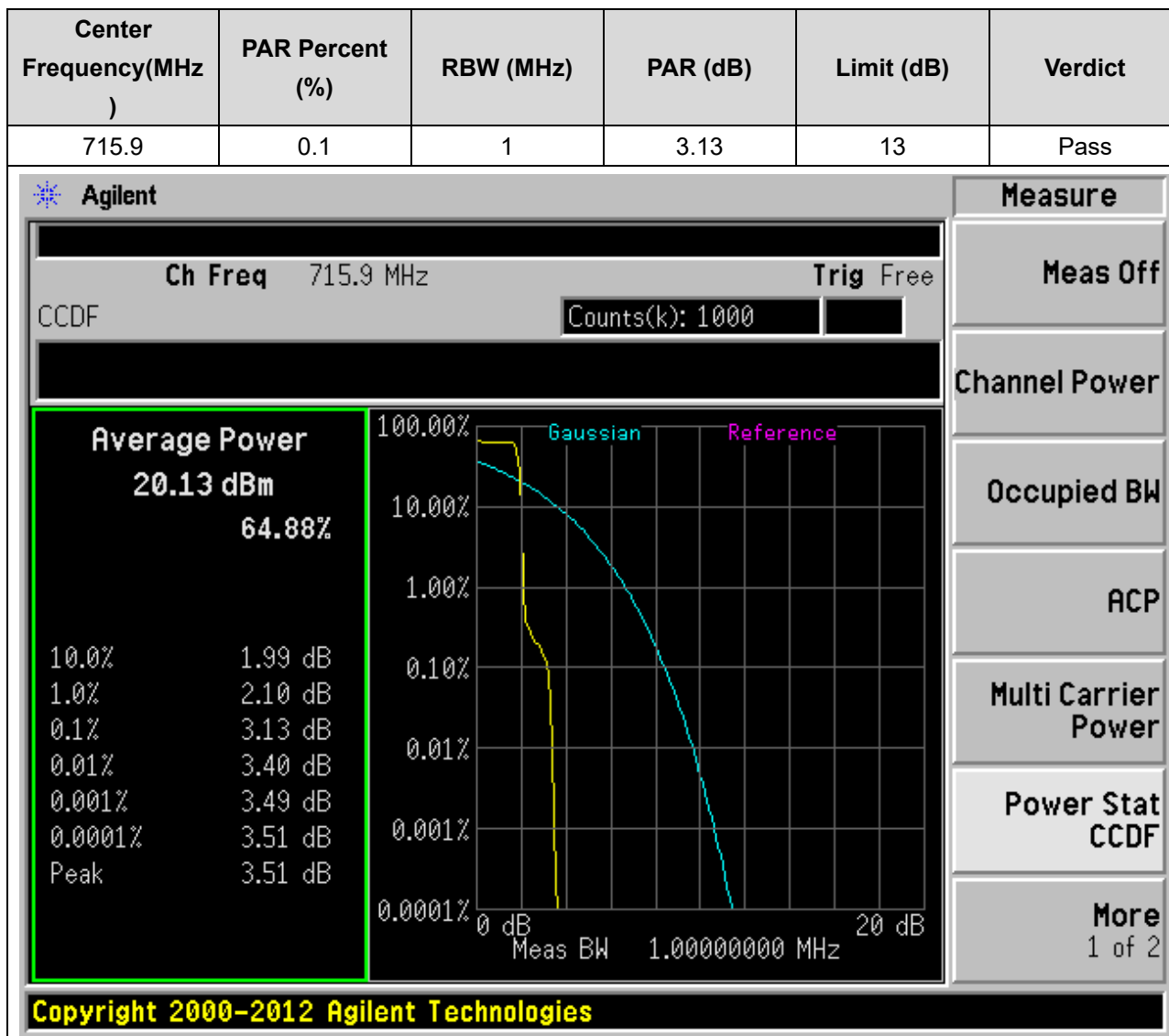
26. NB-IoT_Band12_BPSK_3.75kHz_1@0_High

26.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



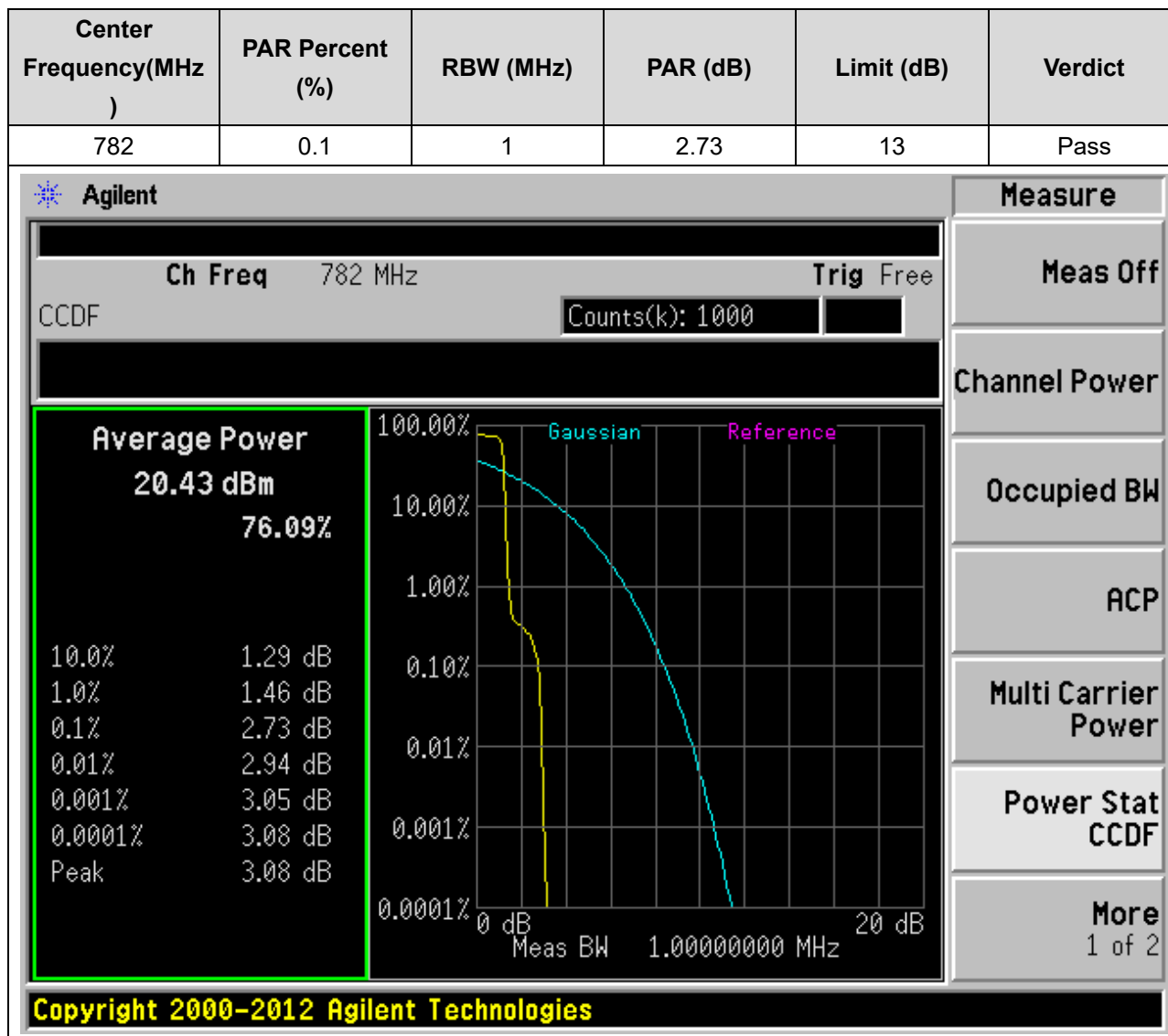
27. NB-IoT_Band12_QPSK_3.75kHz_1@0_High

27.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



28. NB-IoT_Band13_BPSK_3.75kHz_1@0_Mid

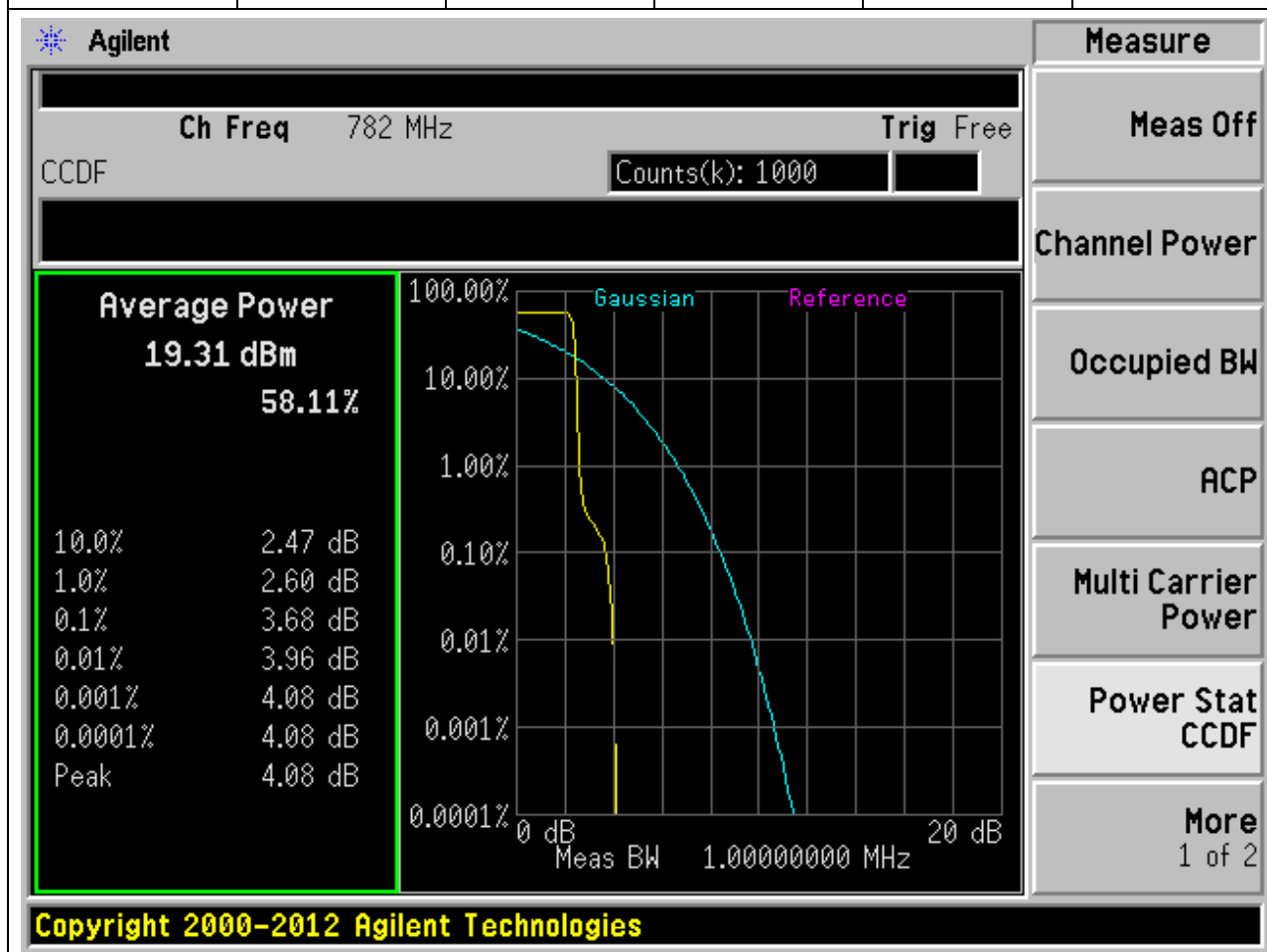
28.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



29. NB-IoT_Band13_QPSK_3.75kHz_1@0_Mid

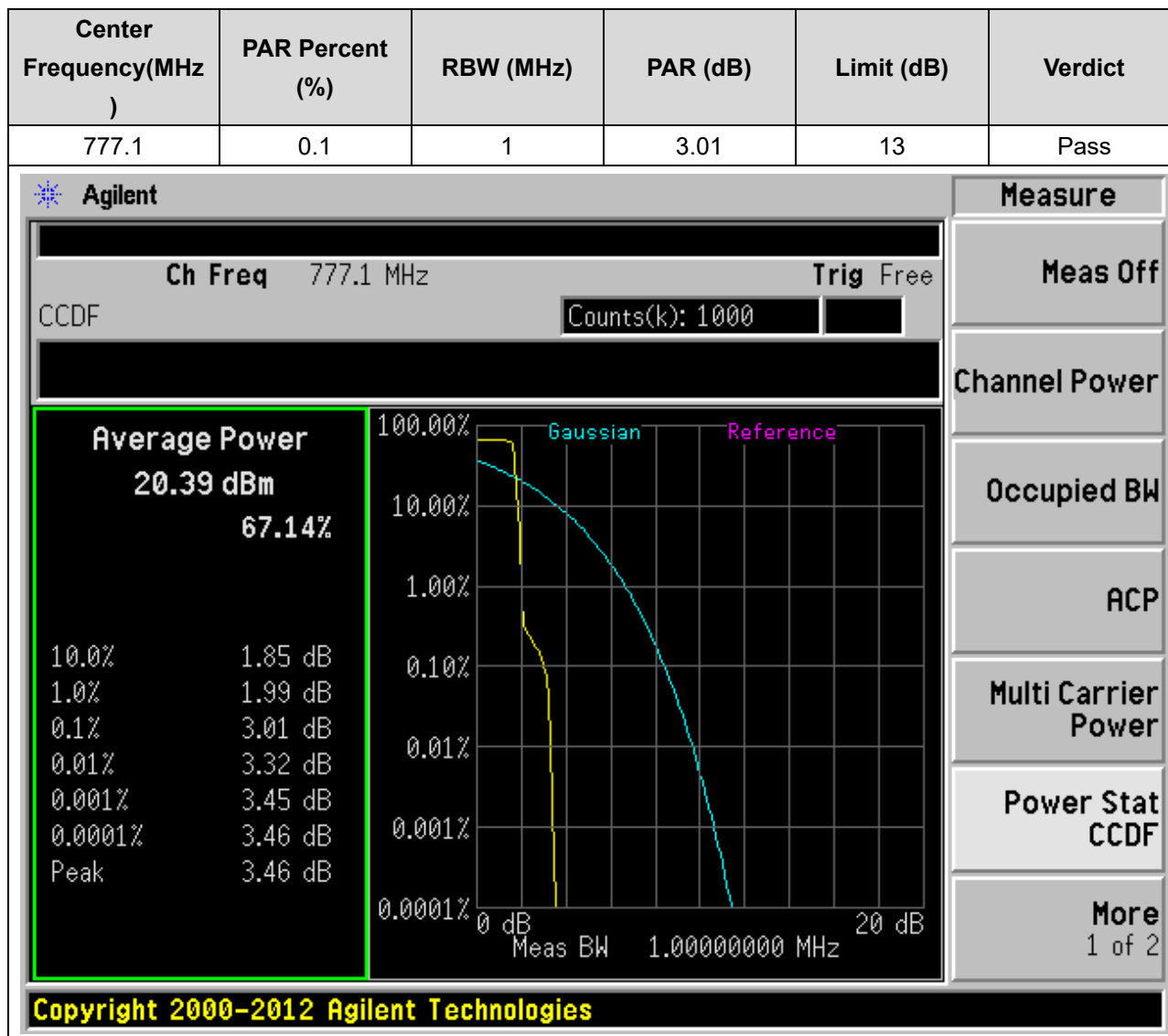
29.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
782	0.1	1	3.68	13	Pass



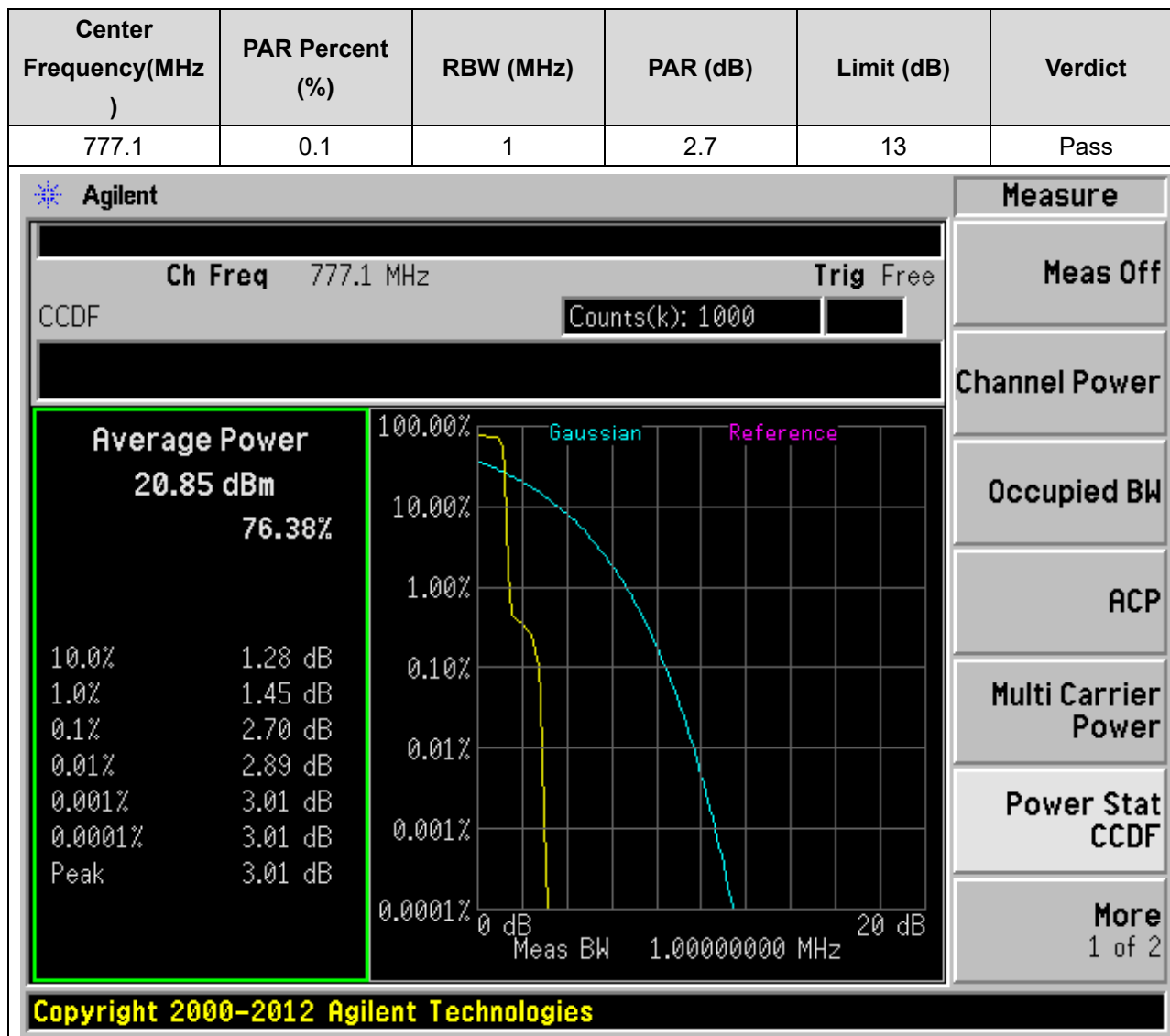
30. NB-IoT_Band13_QPSK_3.75kHz_1@0_Low

30.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



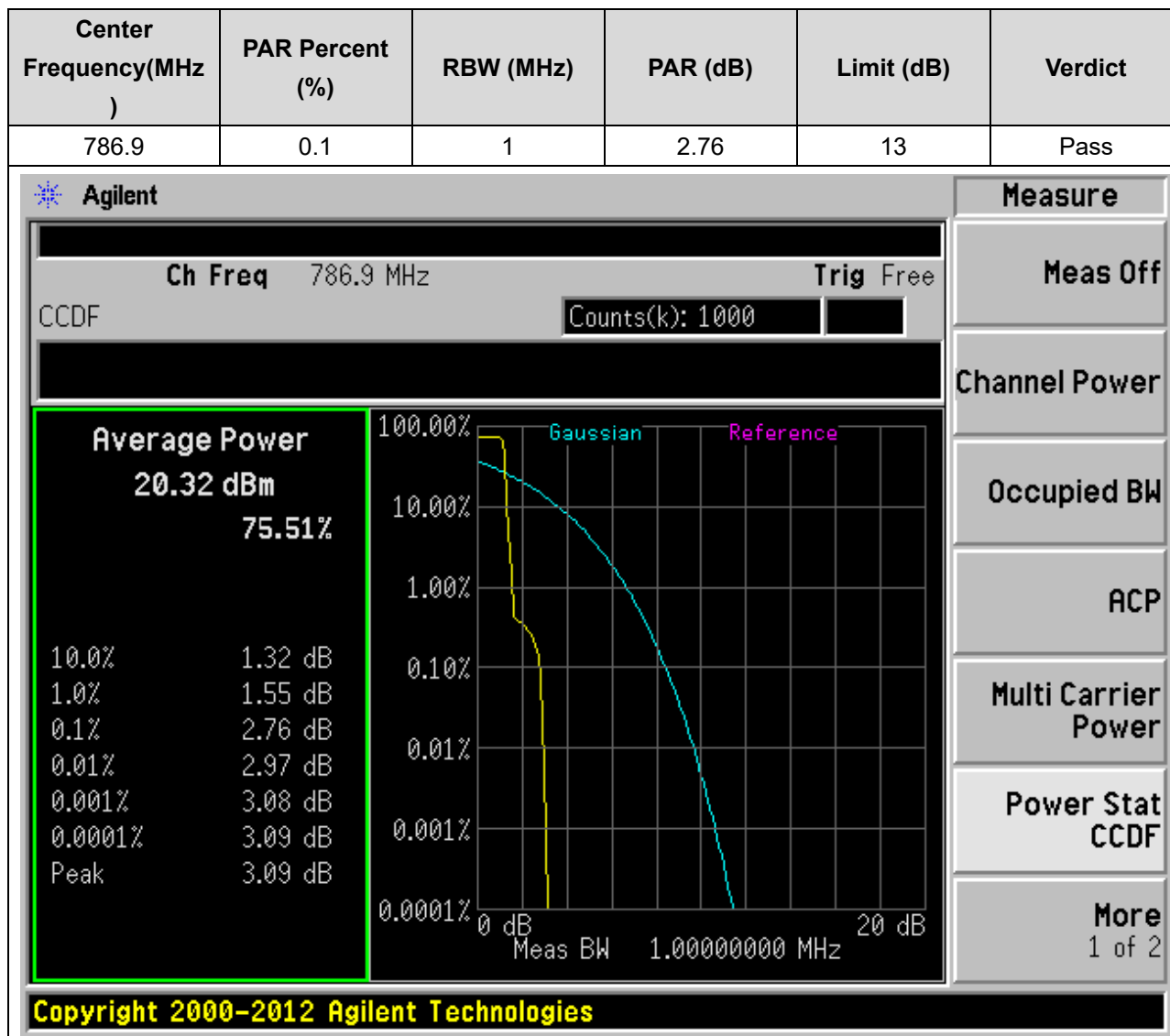
31. NB-IoT_Band13_BPSK_3.75kHz_1@0_Low

31.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



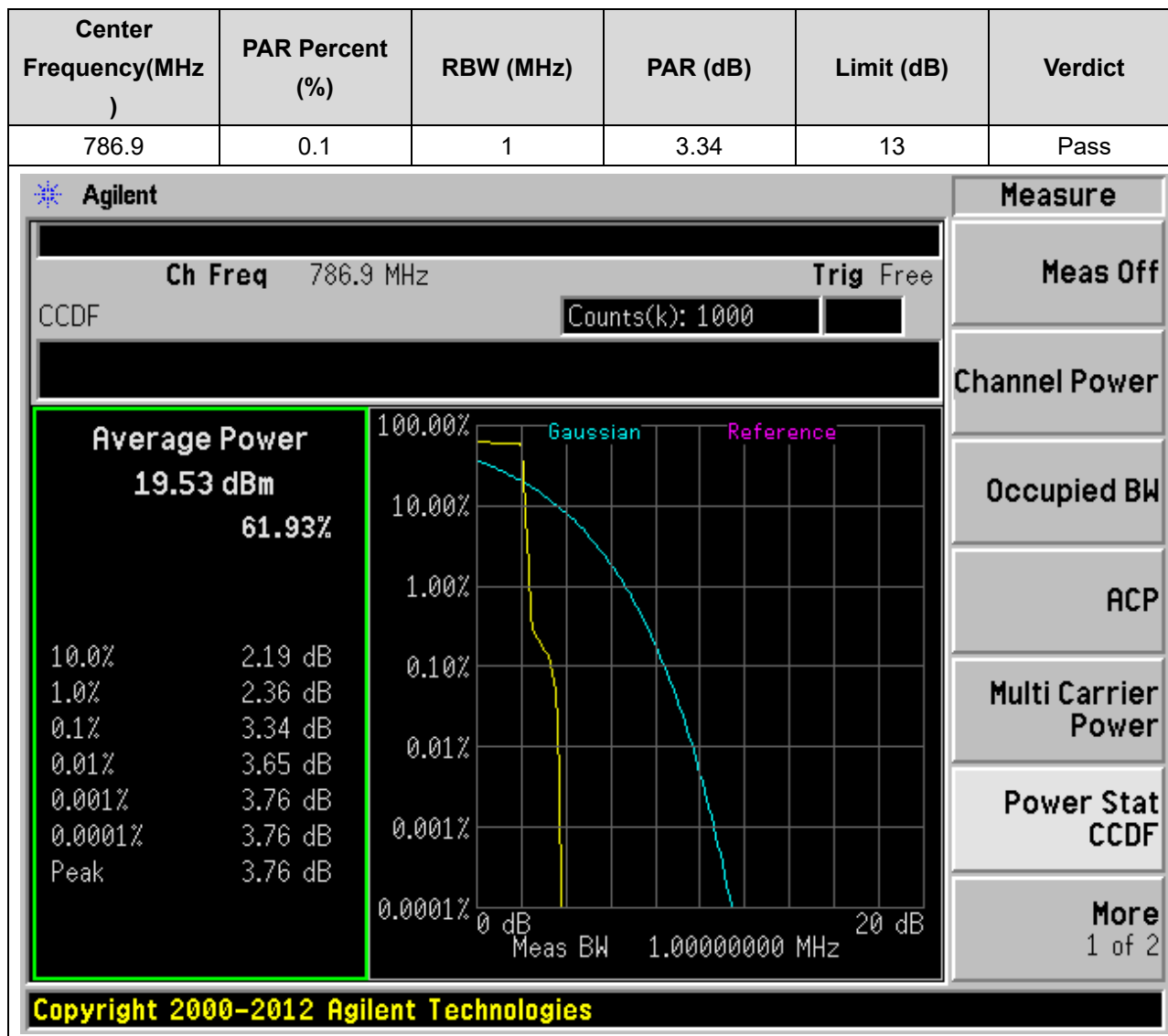
32. NB-IoT_Band13_BPSK_3.75kHz_1@0_High

32.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



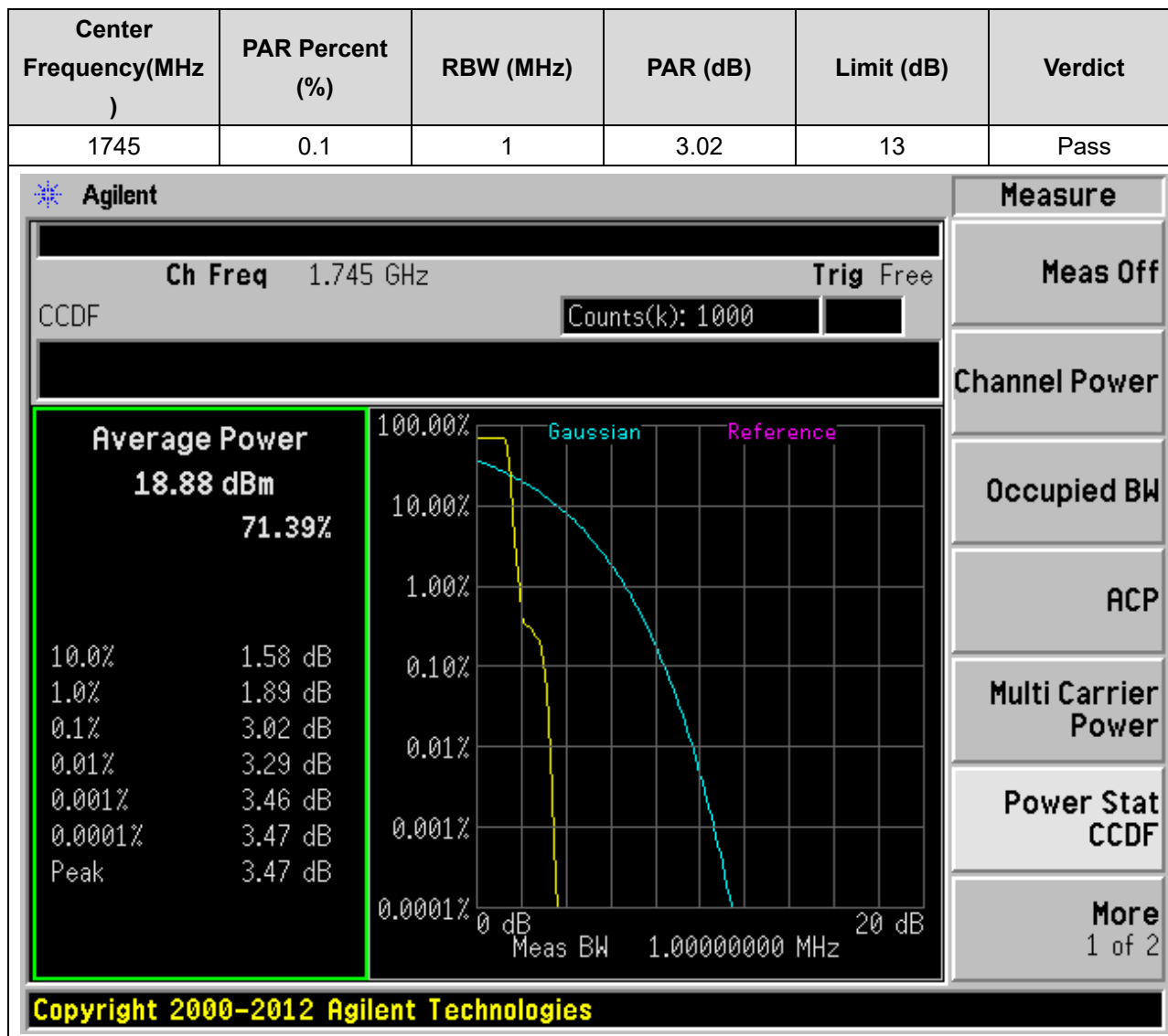
33. NB-IoT_Band13_QPSK_3.75kHz_1@0_High

33.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



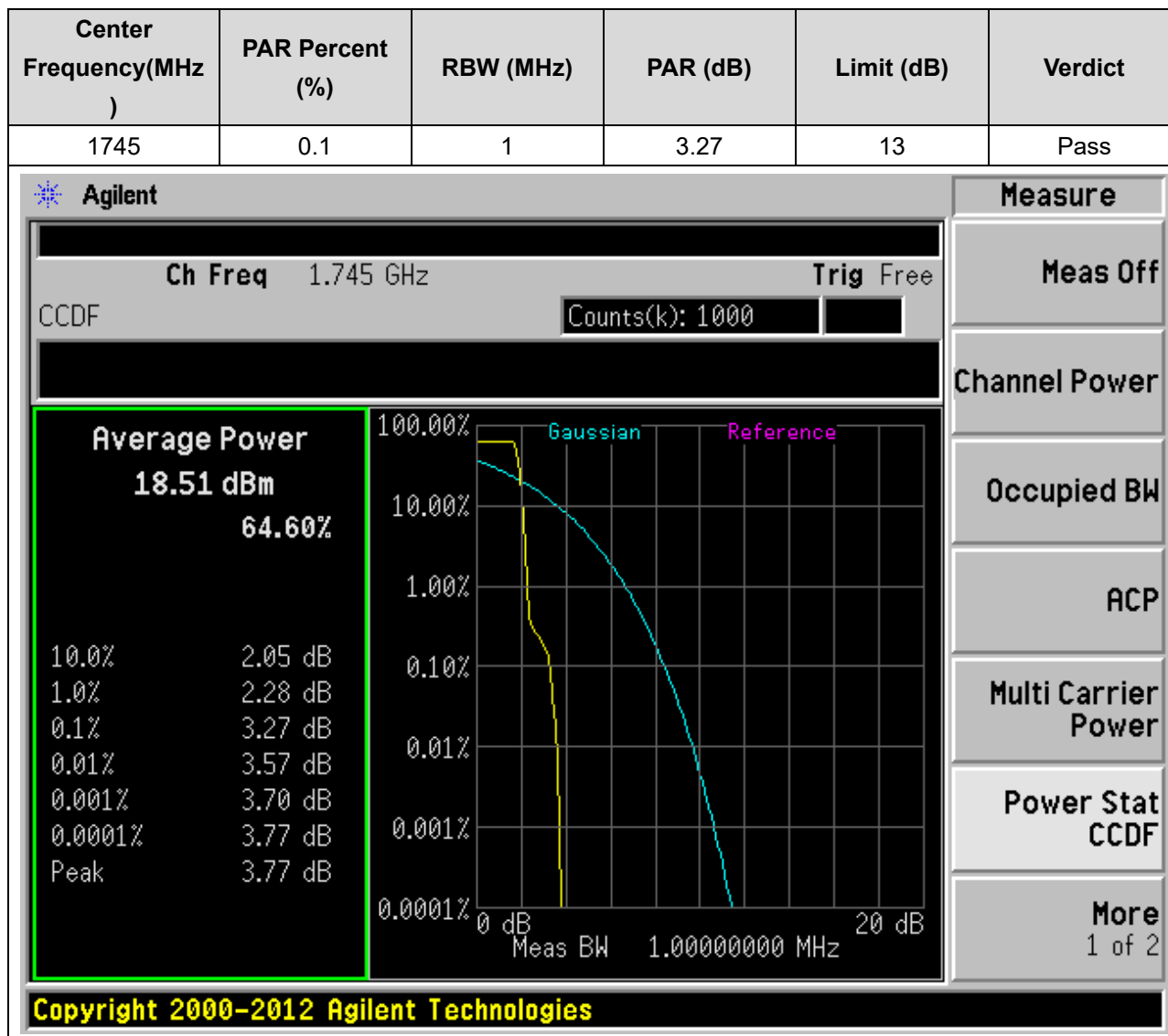
34. NB-IoT_Band66_BPSK_3.75kHz_1@0_Mid

34.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



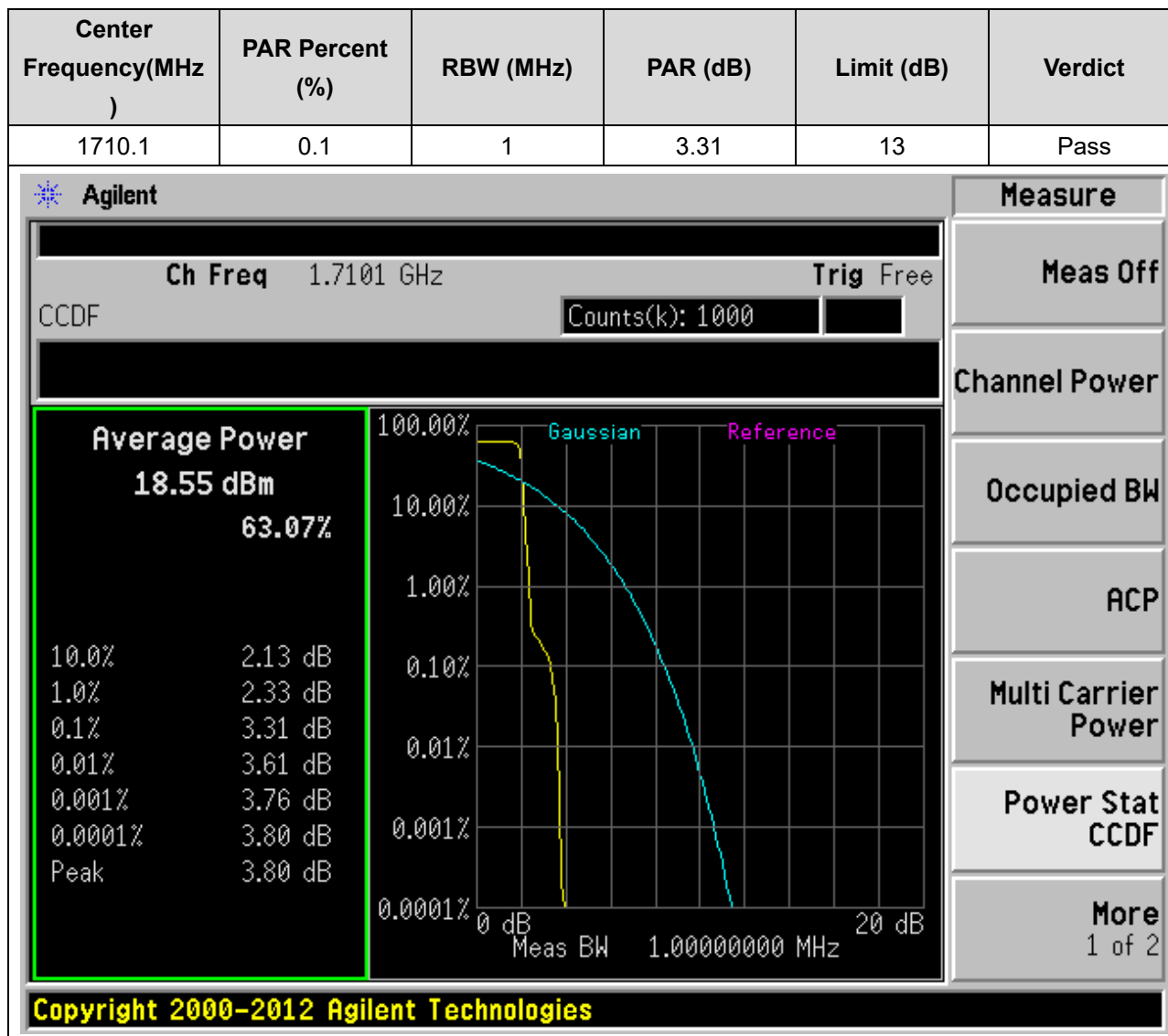
35. NB-IoT_Band66_QPSK_3.75kHz_1@0_Mid

35.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



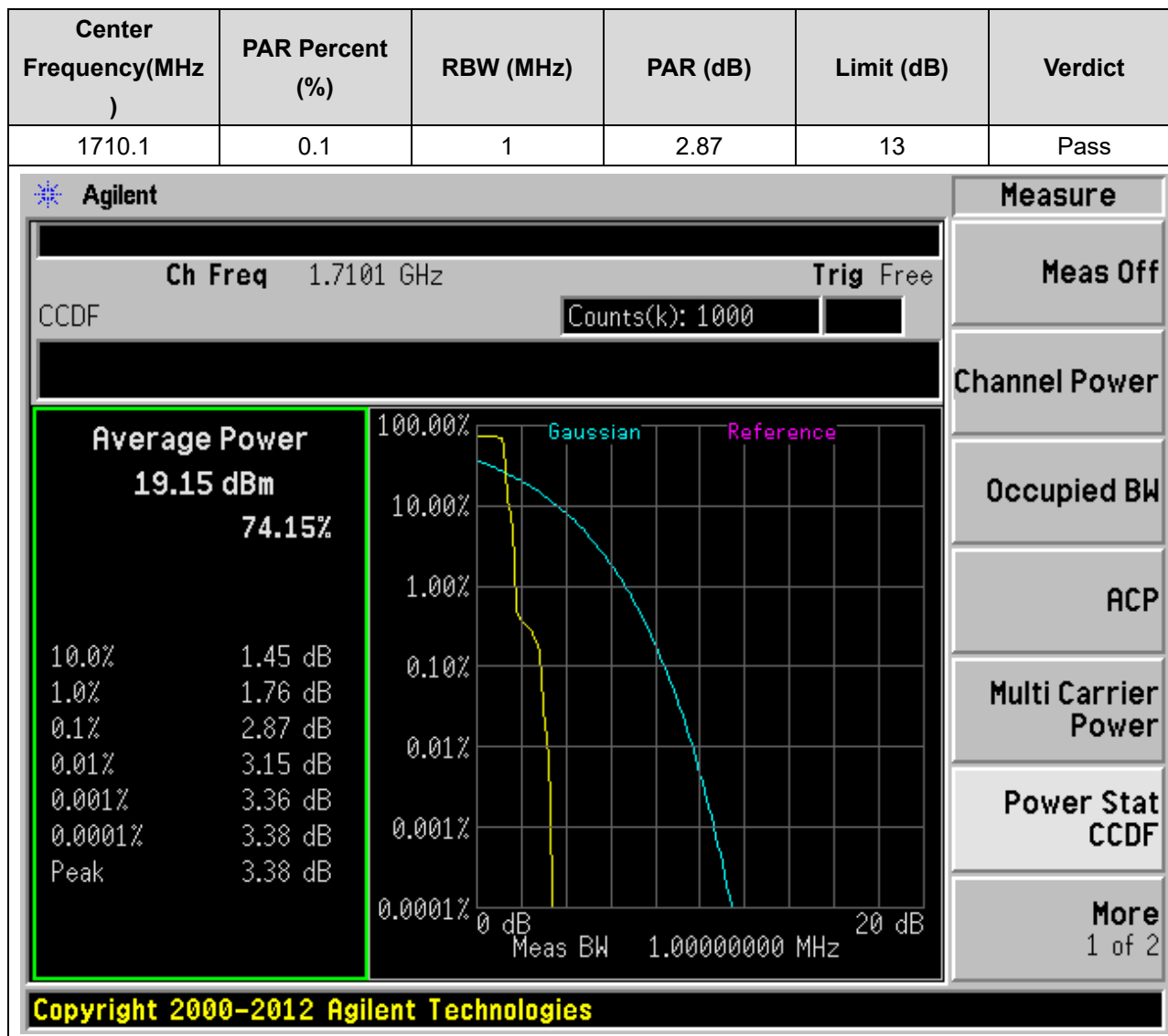
36. NB-IoT_Band66_QPSK_3.75kHz_1@0_Low

36.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



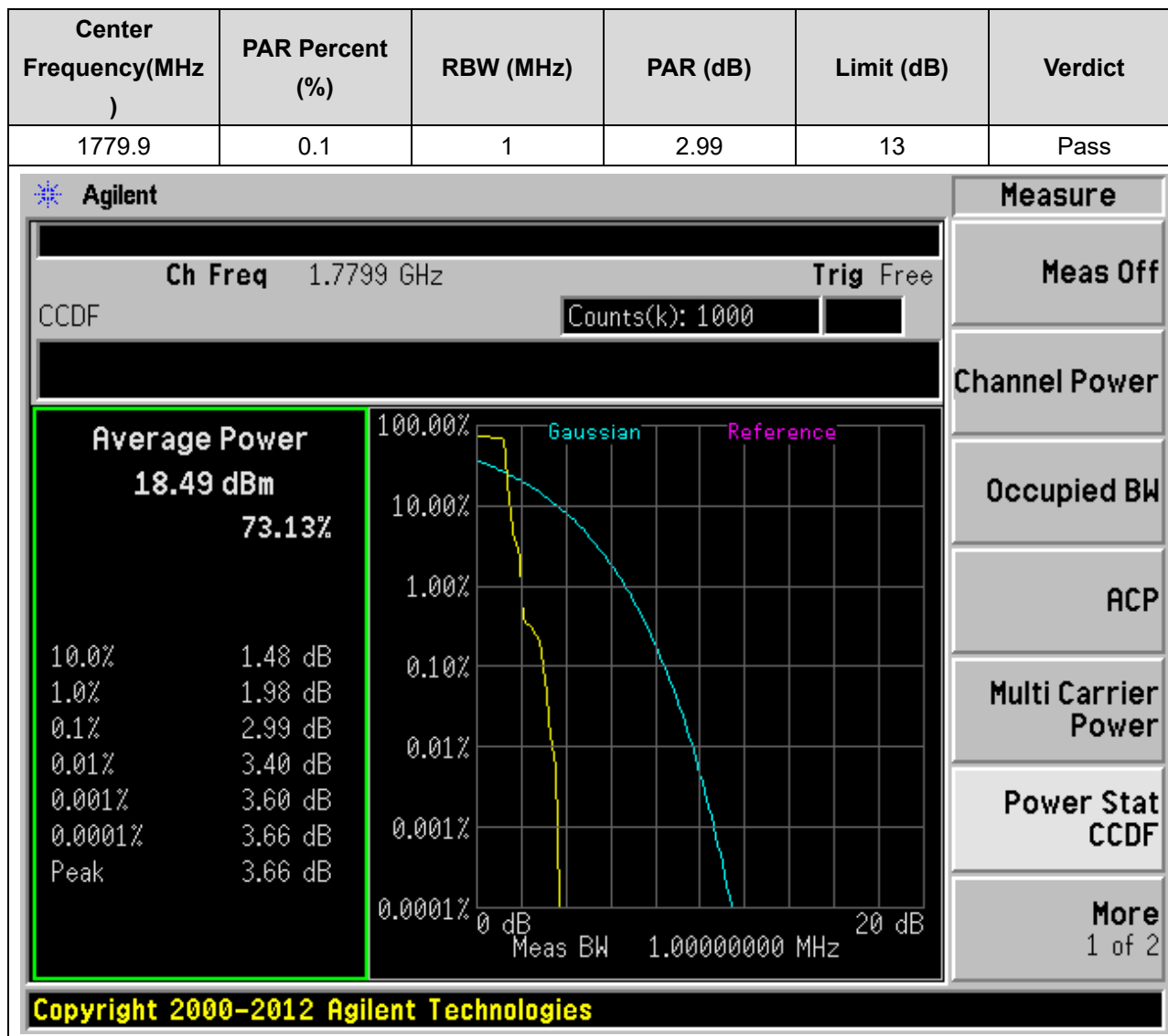
37. NB-IoT_Band66_BPSK_3.75kHz_1@0_Low

37.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



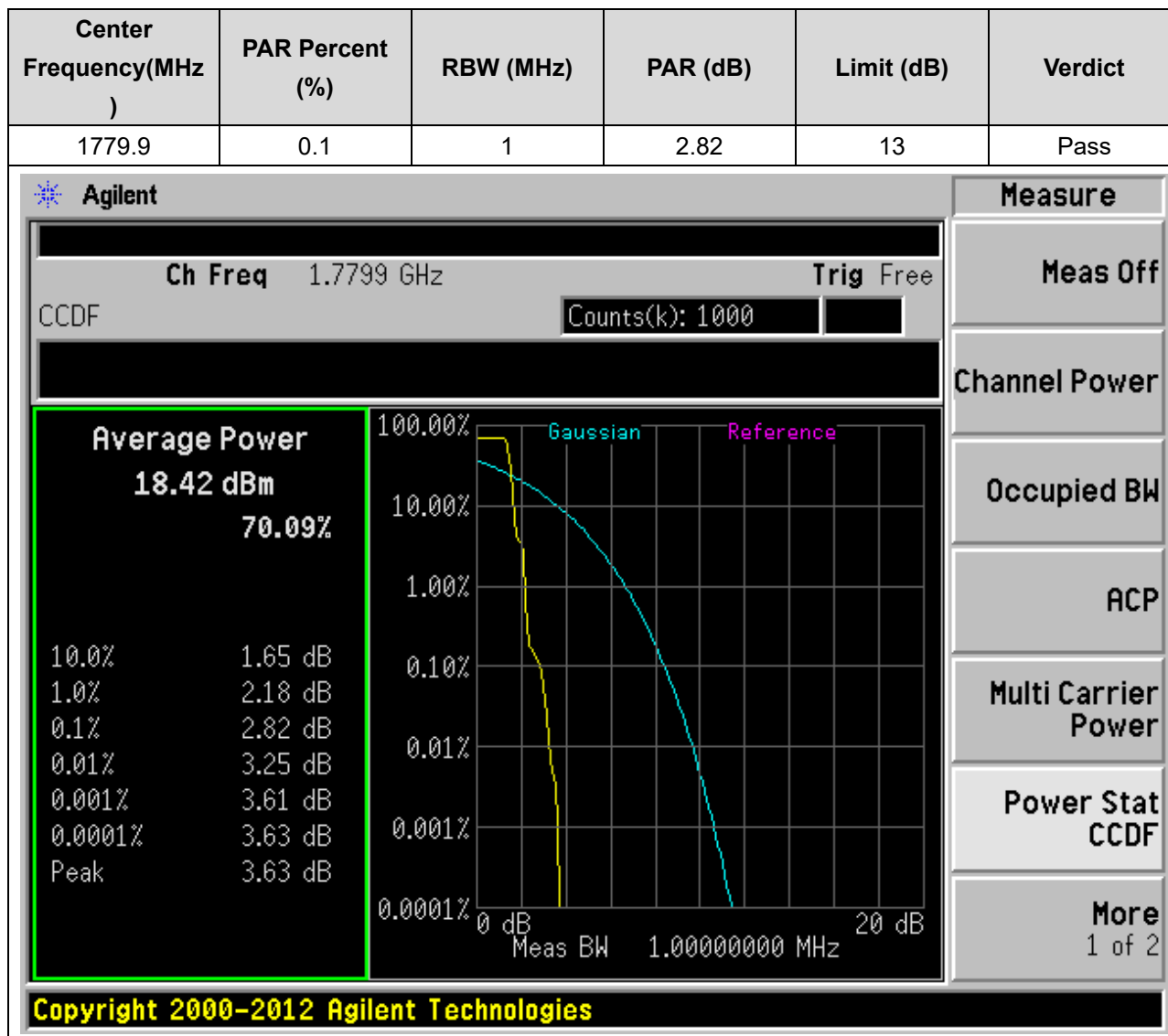
38. NB-IoT_Band66_BPSK_3.75kHz_1@0_High

38.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



39. NB-IoT_Band66_QPSK_3.75kHz_1@0_High

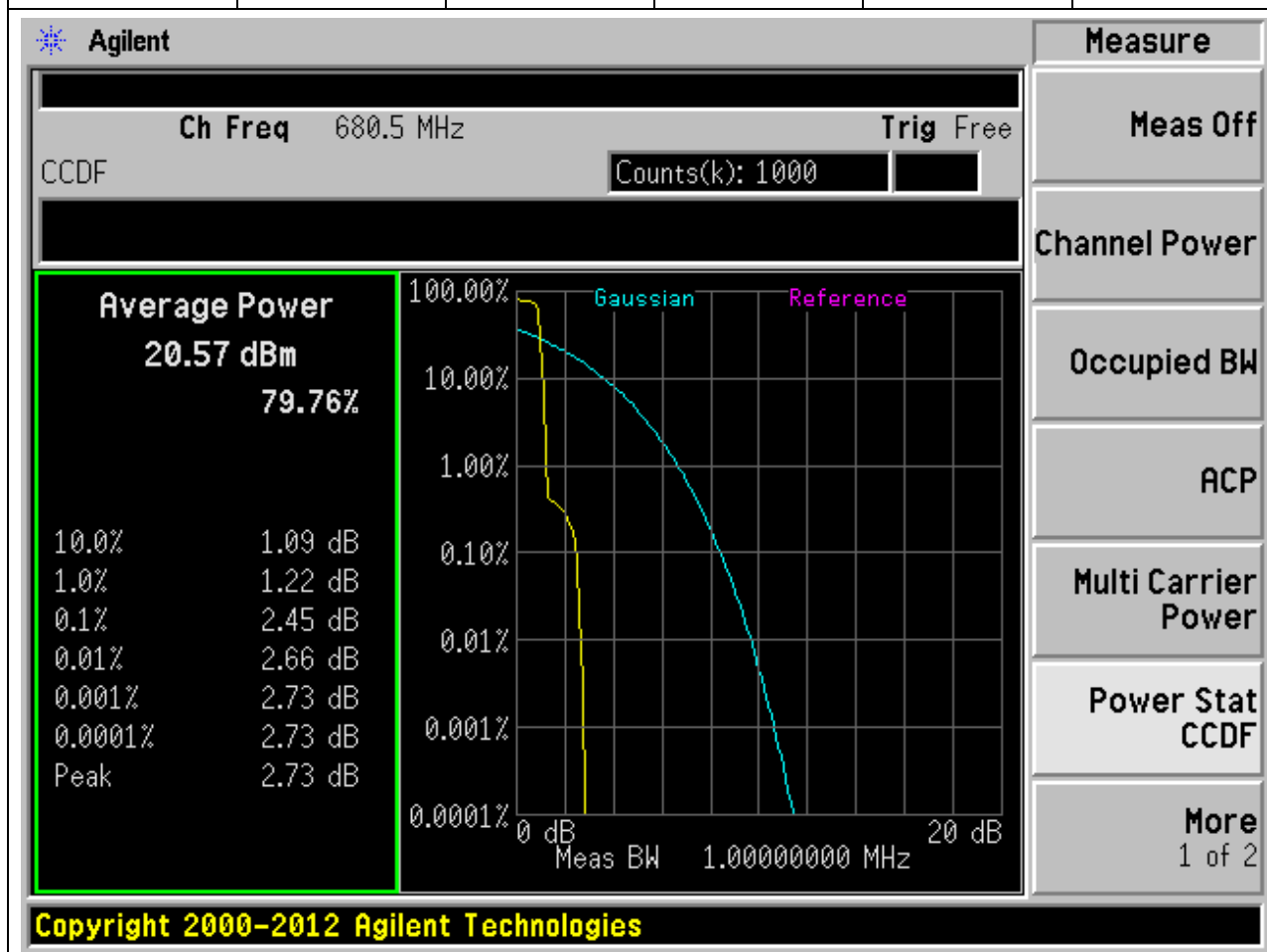
39.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



40. NB-IoT_Band71_BPSK_3.75kHz_1@0_Mid

40.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

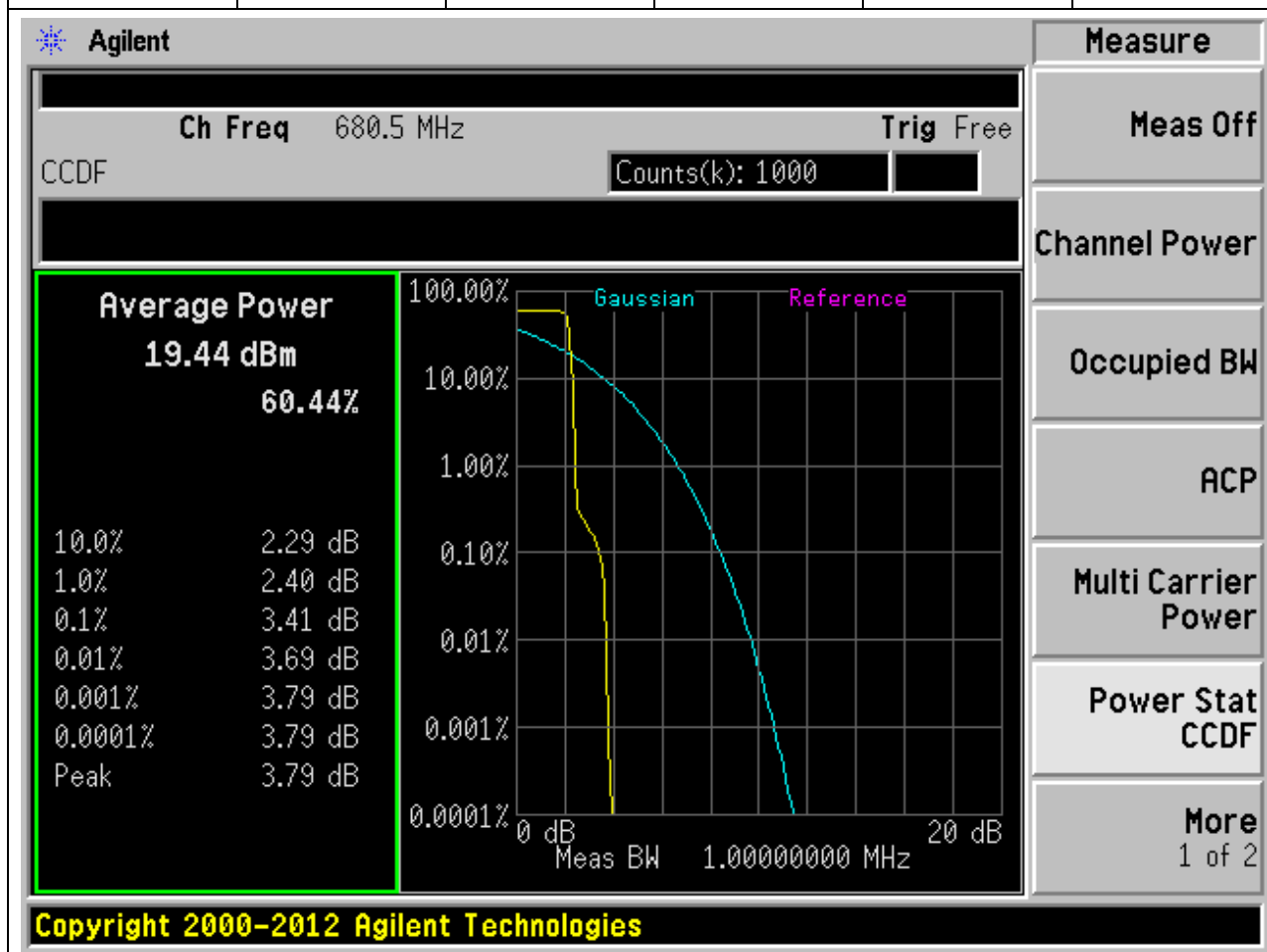
Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
680.5	0.1	1	2.45	13	Pass



41. NB-IoT_Band71_QPSK_3.75kHz_1@0_Mid

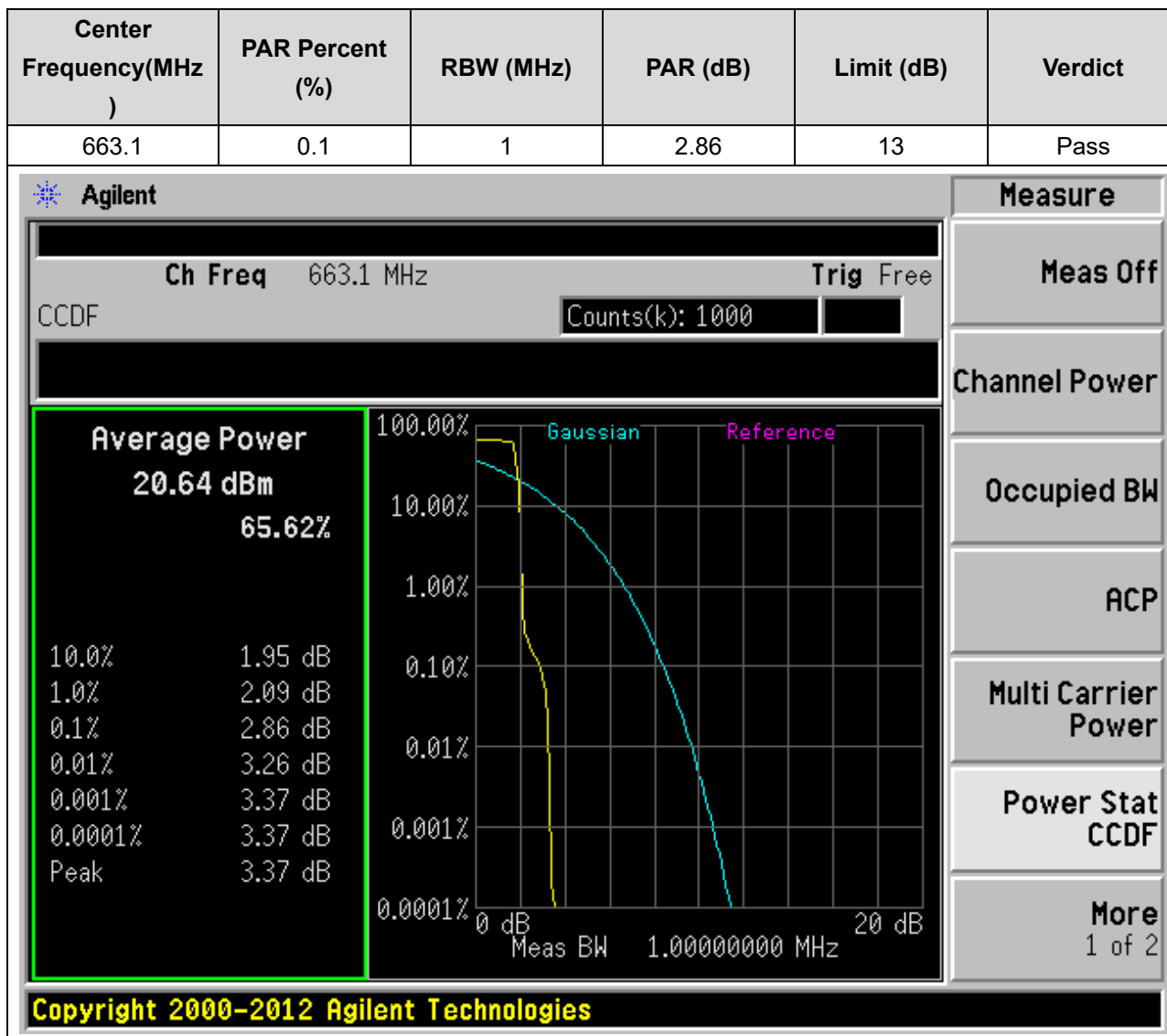
41.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
680.5	0.1	1	3.41	13	Pass



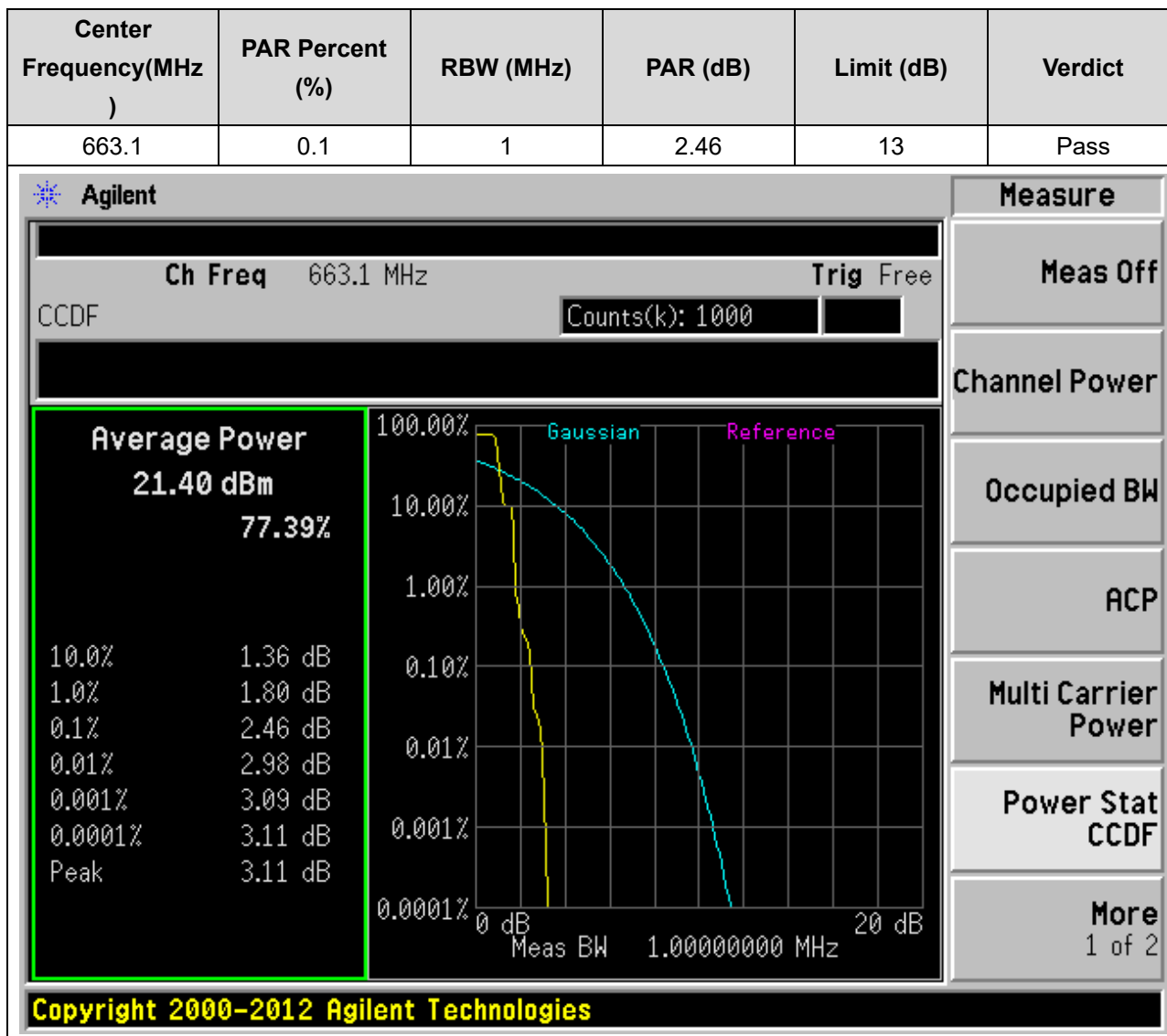
42. NB-IoT_Band71_QPSK_3.75kHz_1@0_Low

42.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



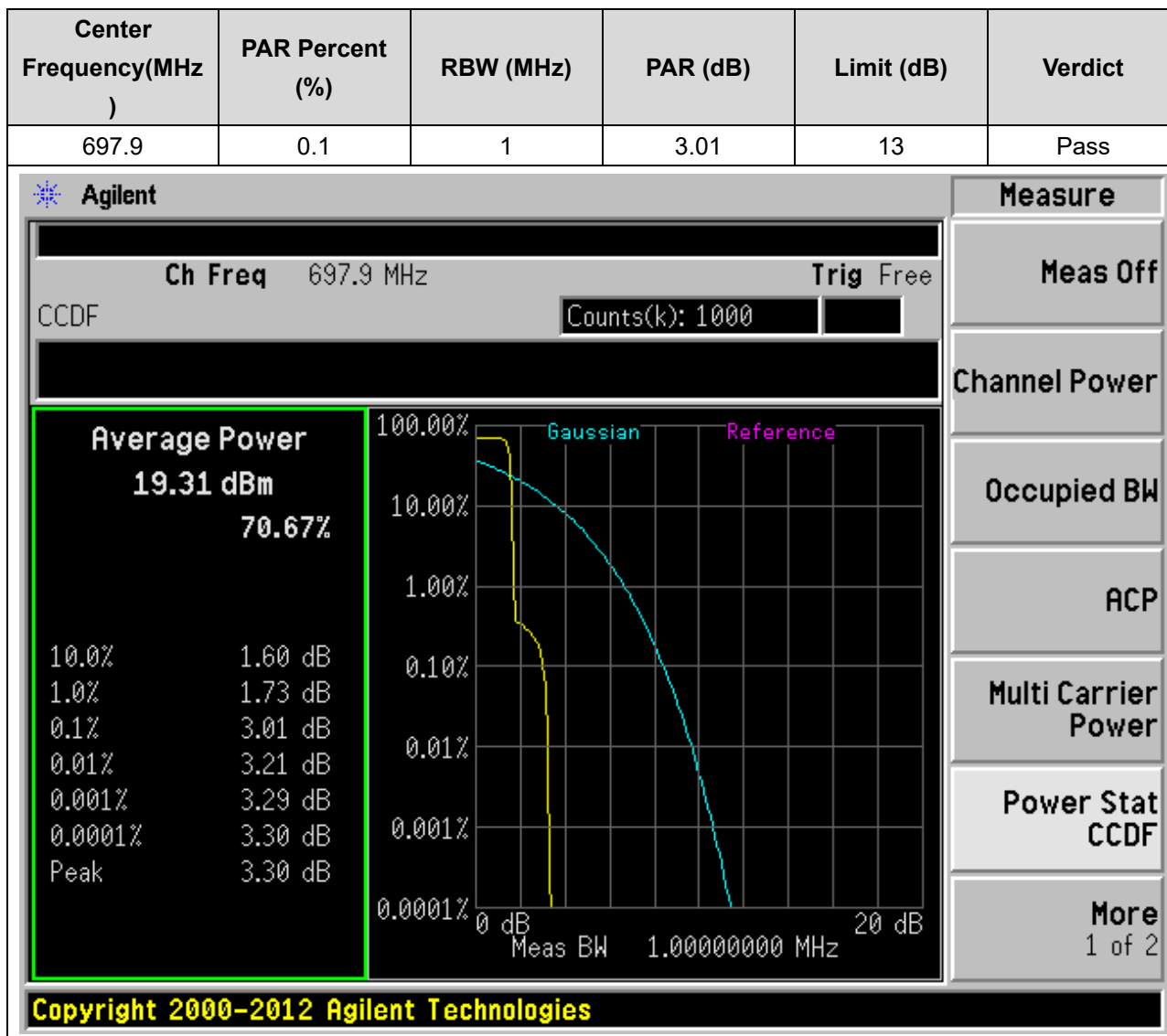
43. NB-IoT_Band71_BPSK_3.75kHz_1@0_Low

43.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



44. NB-IoT_Band71_BPSK_3.75kHz_1@0_High

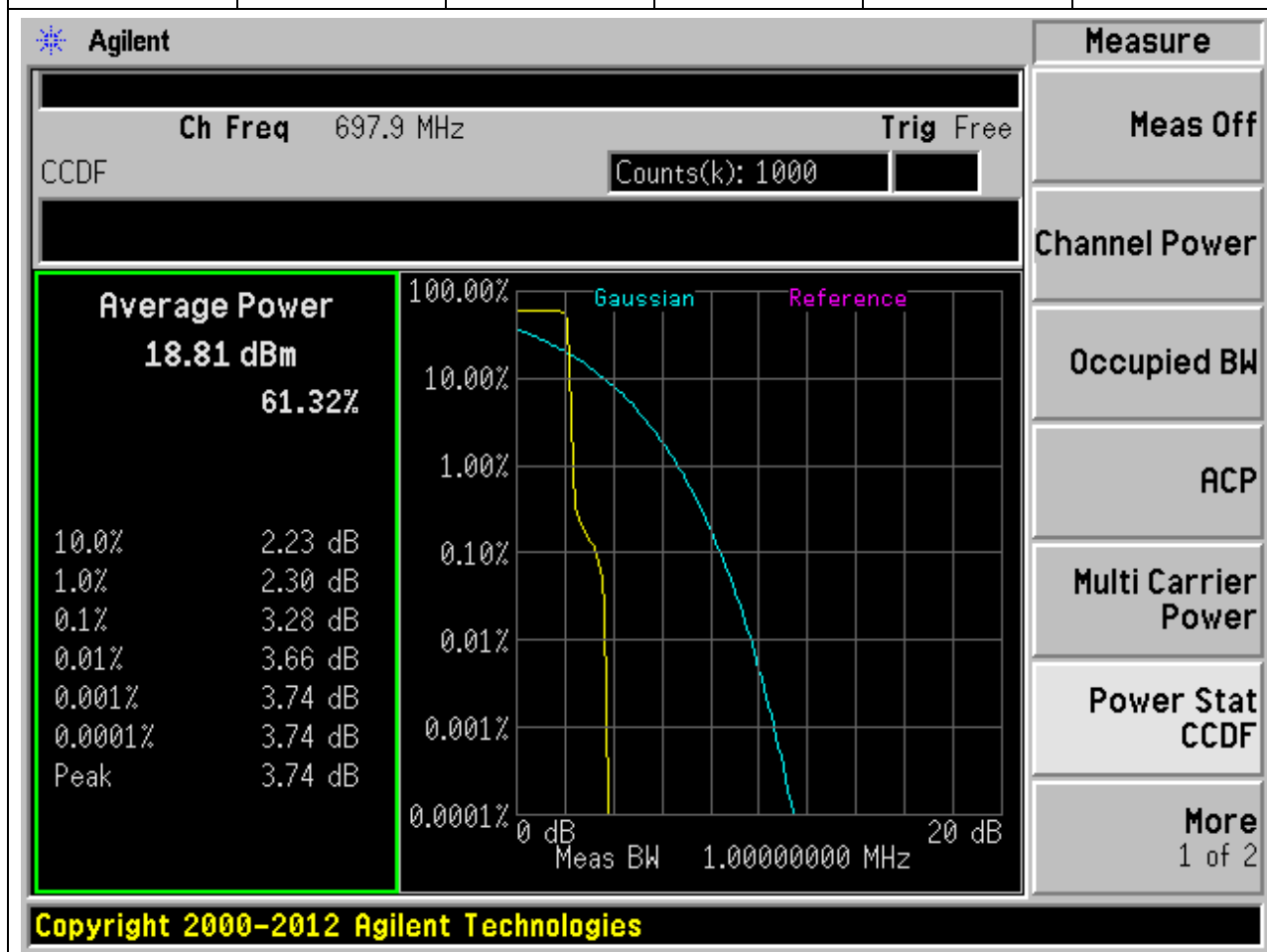
44.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



45. NB-IoT_Band71_QPSK_3.75kHz_1@0_High

45.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

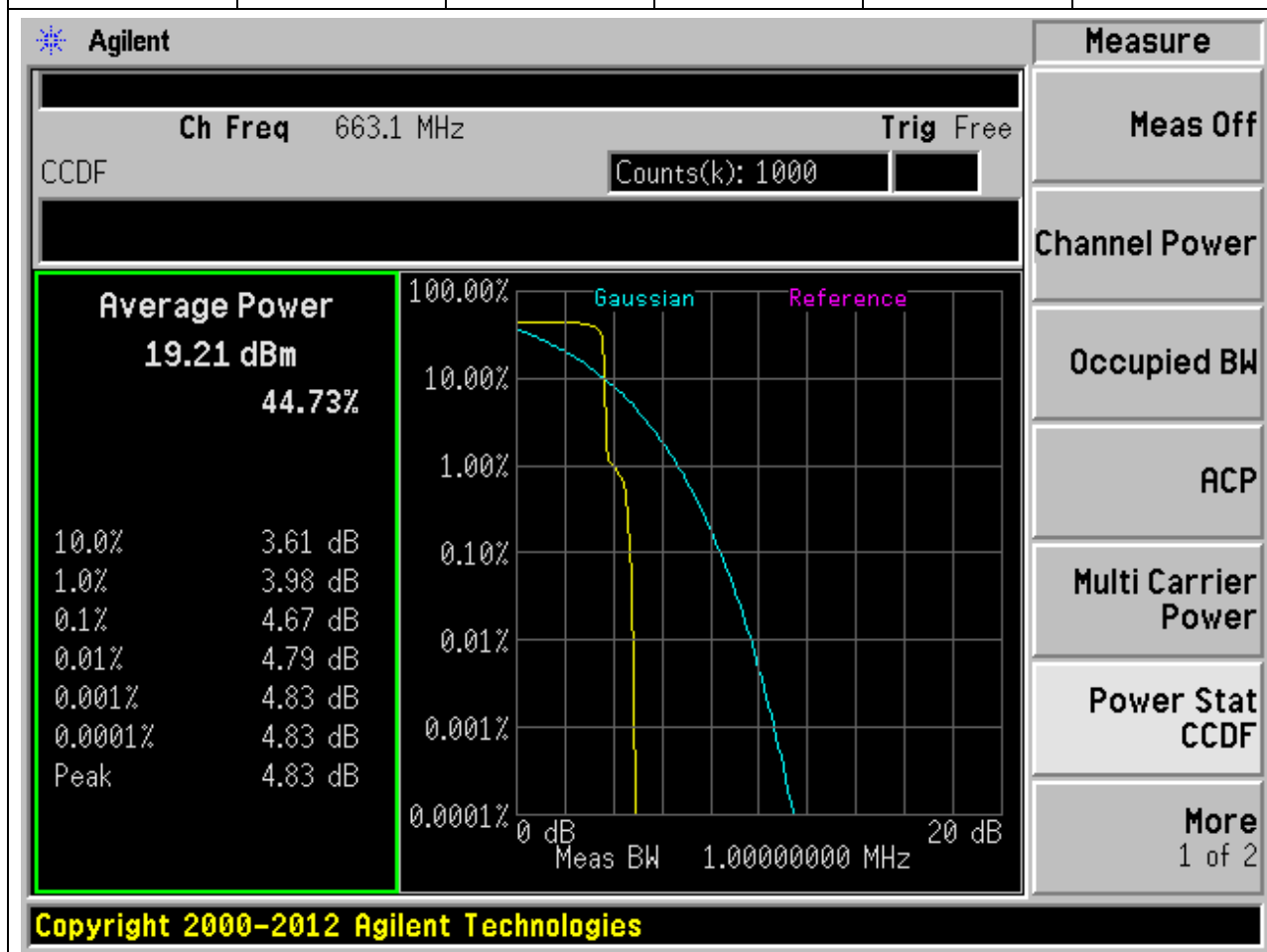
Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
697.9	0.1	1	3.28	13	Pass



46. NB-IoT_Band71_BPSK_15kHz_1@0_Low

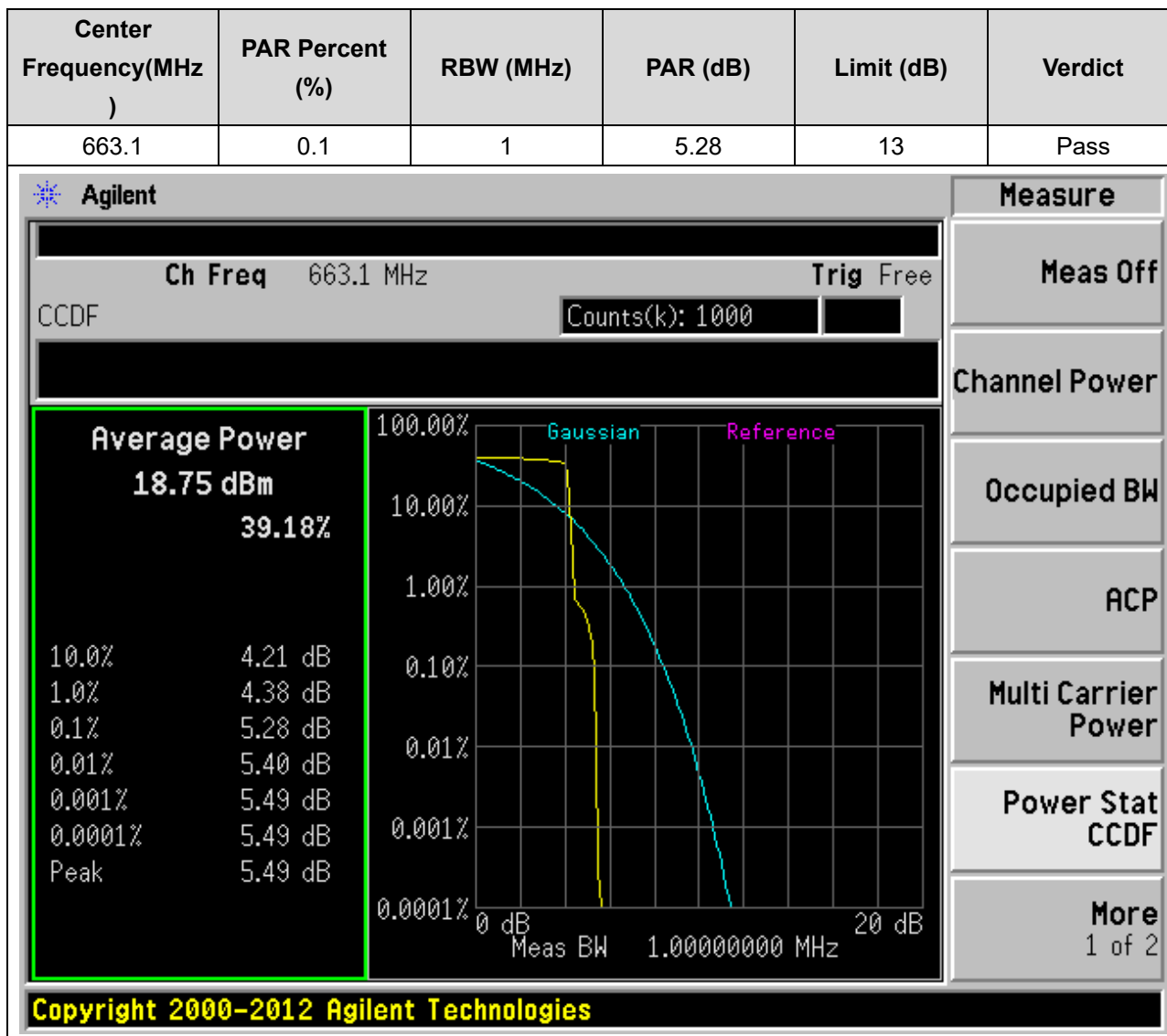
46.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
663.1	0.1	1	4.67	13	Pass



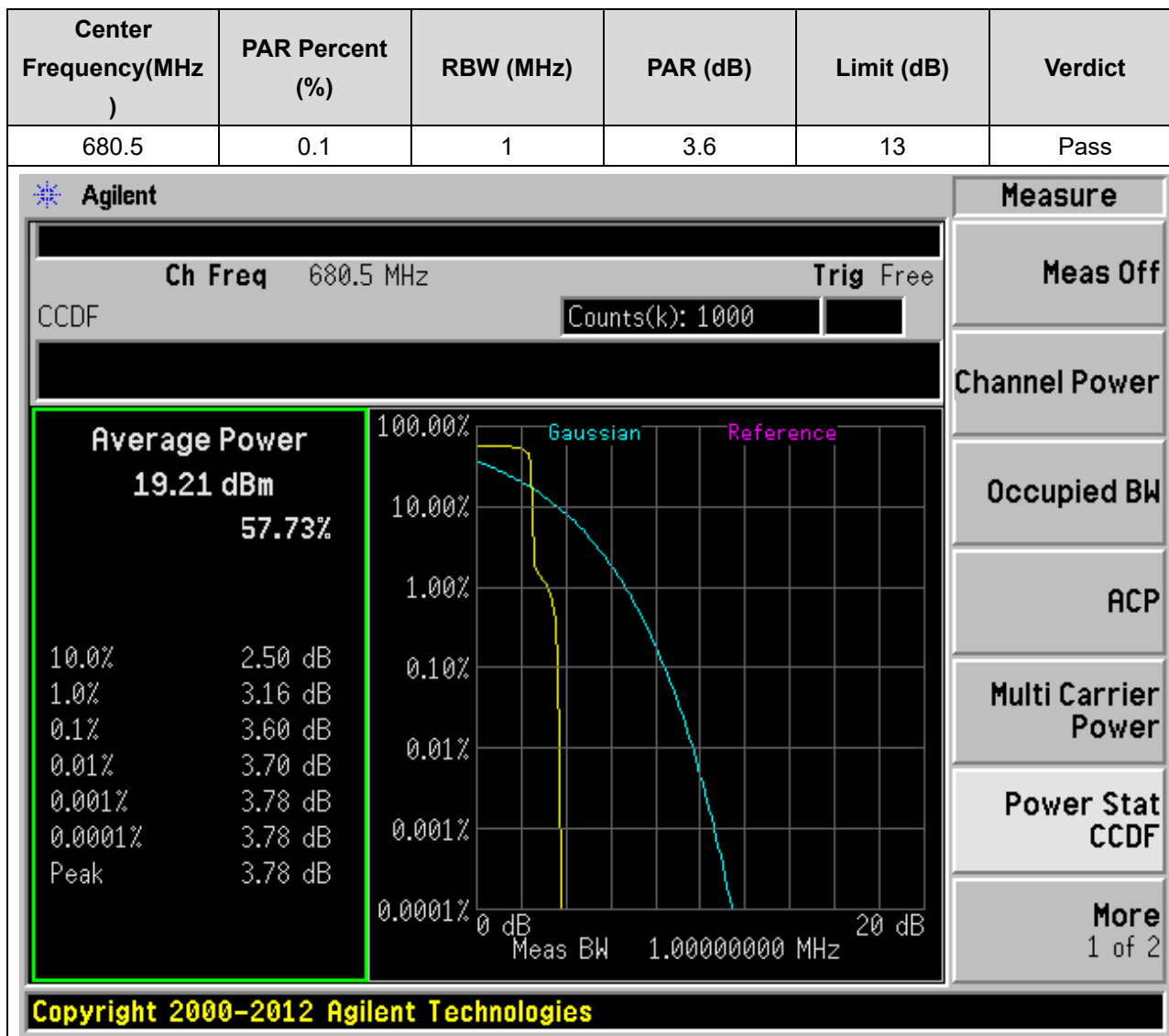
47. NB-IoT_Band71_QPSK_15kHz_1@0_Low

47.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



48. NB-IoT_Band71_BPSK_15kHz_1@0_Mid

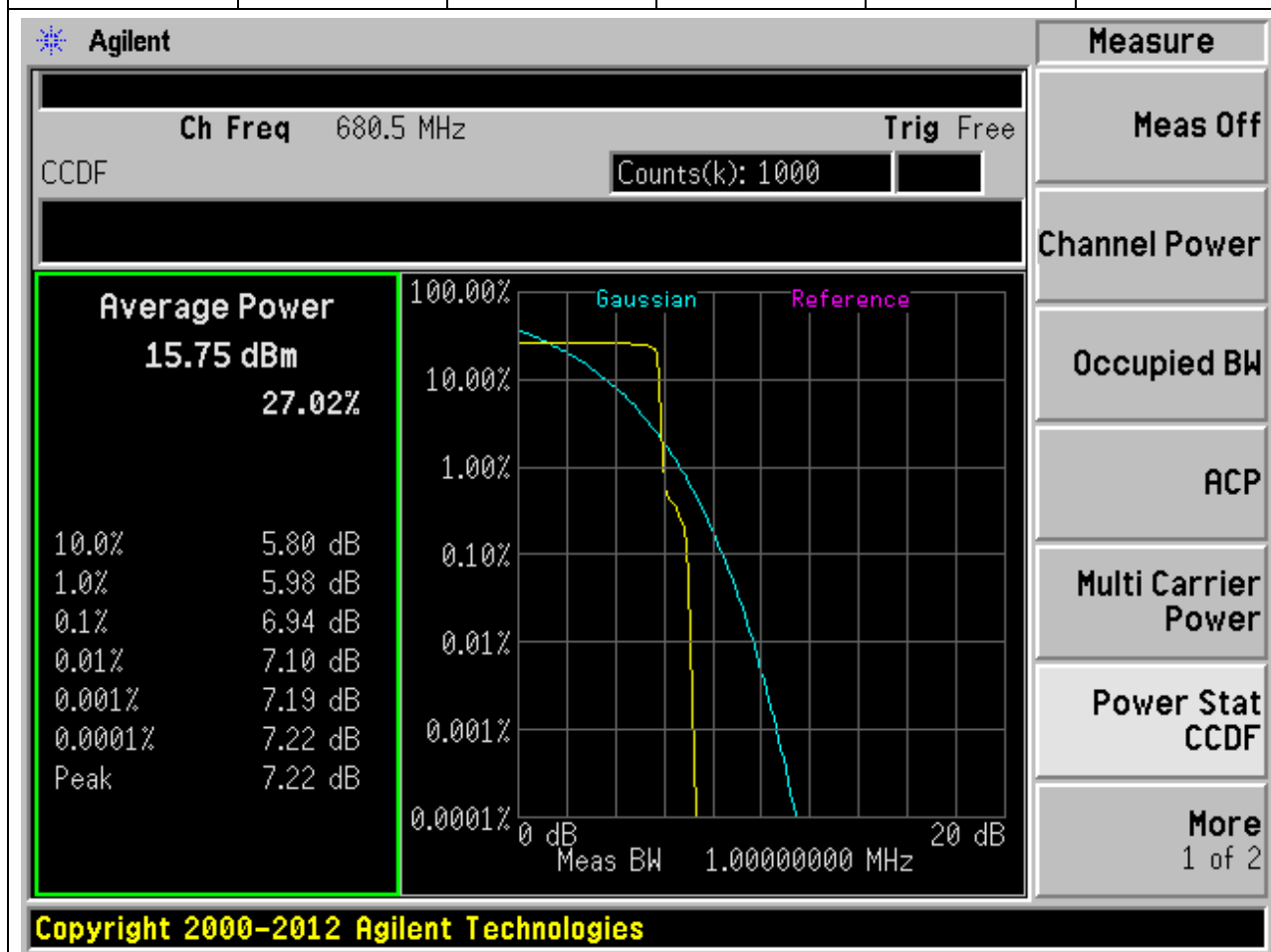
48.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



49. NB-IoT_Band71_QPSK_15kHz_1@0_Mid

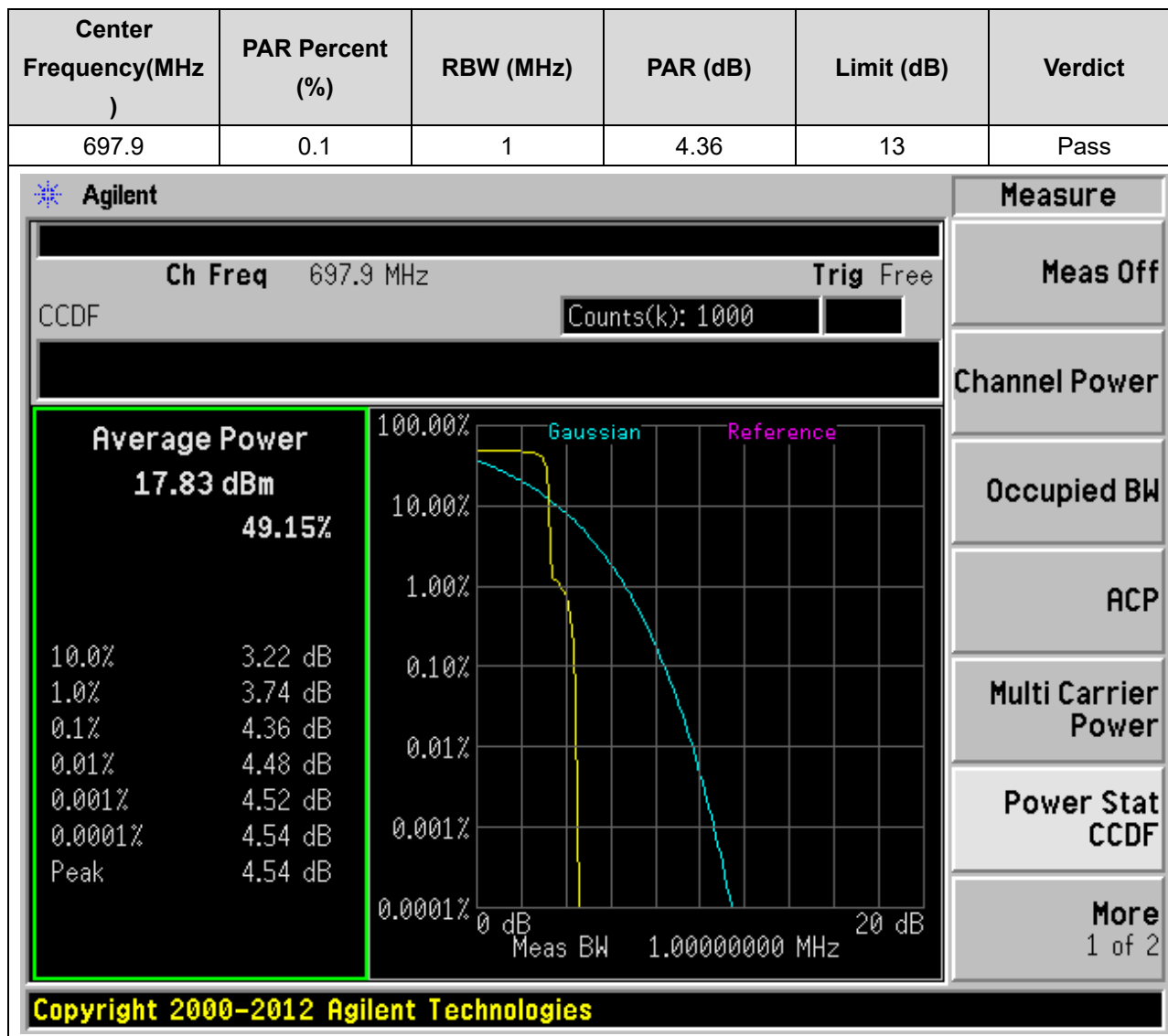
49.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
680.5	0.1	1	6.94	13	Pass



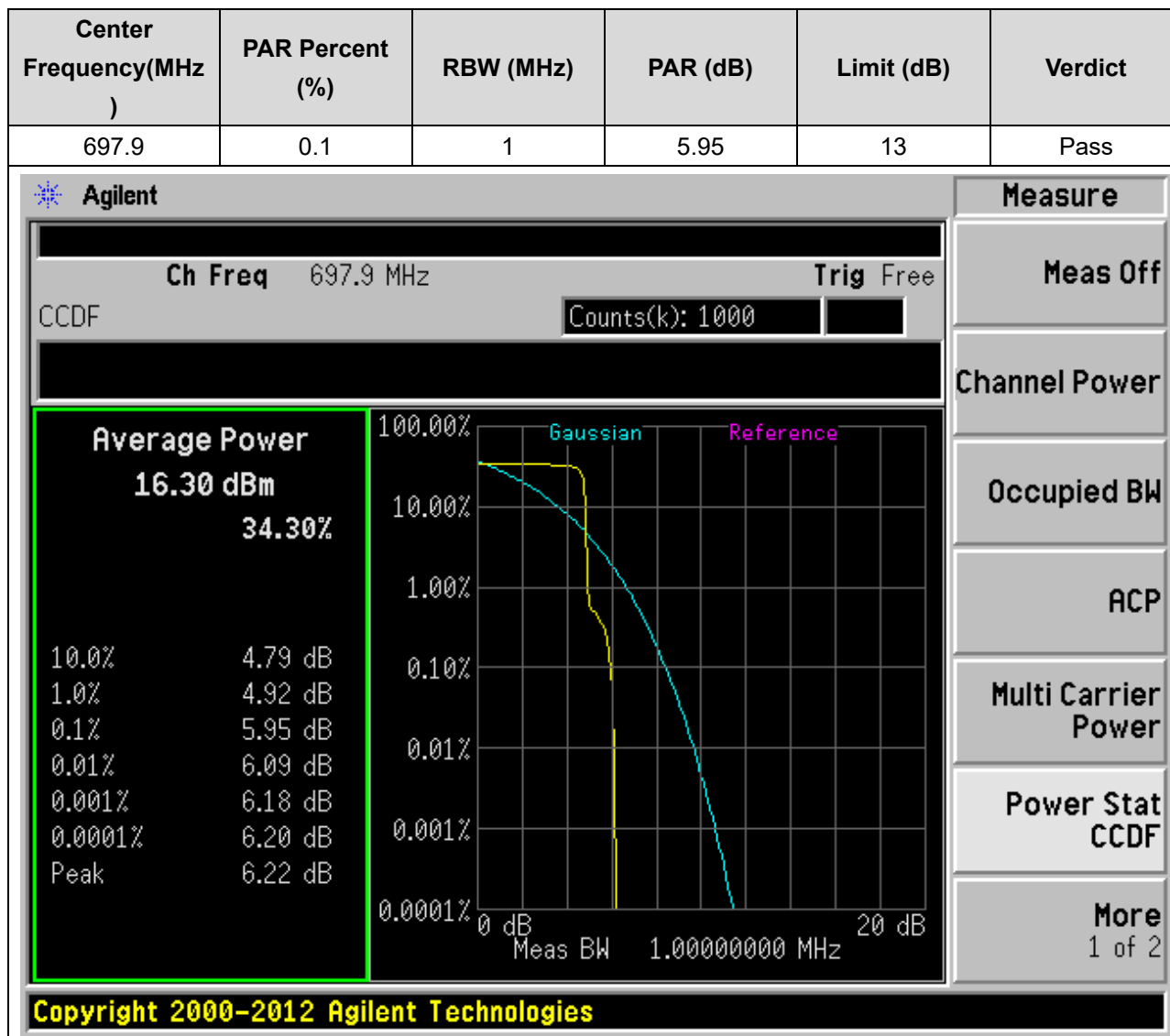
50. NB-IoT_Band71_BPSK_15kHz_1@0_High

50.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



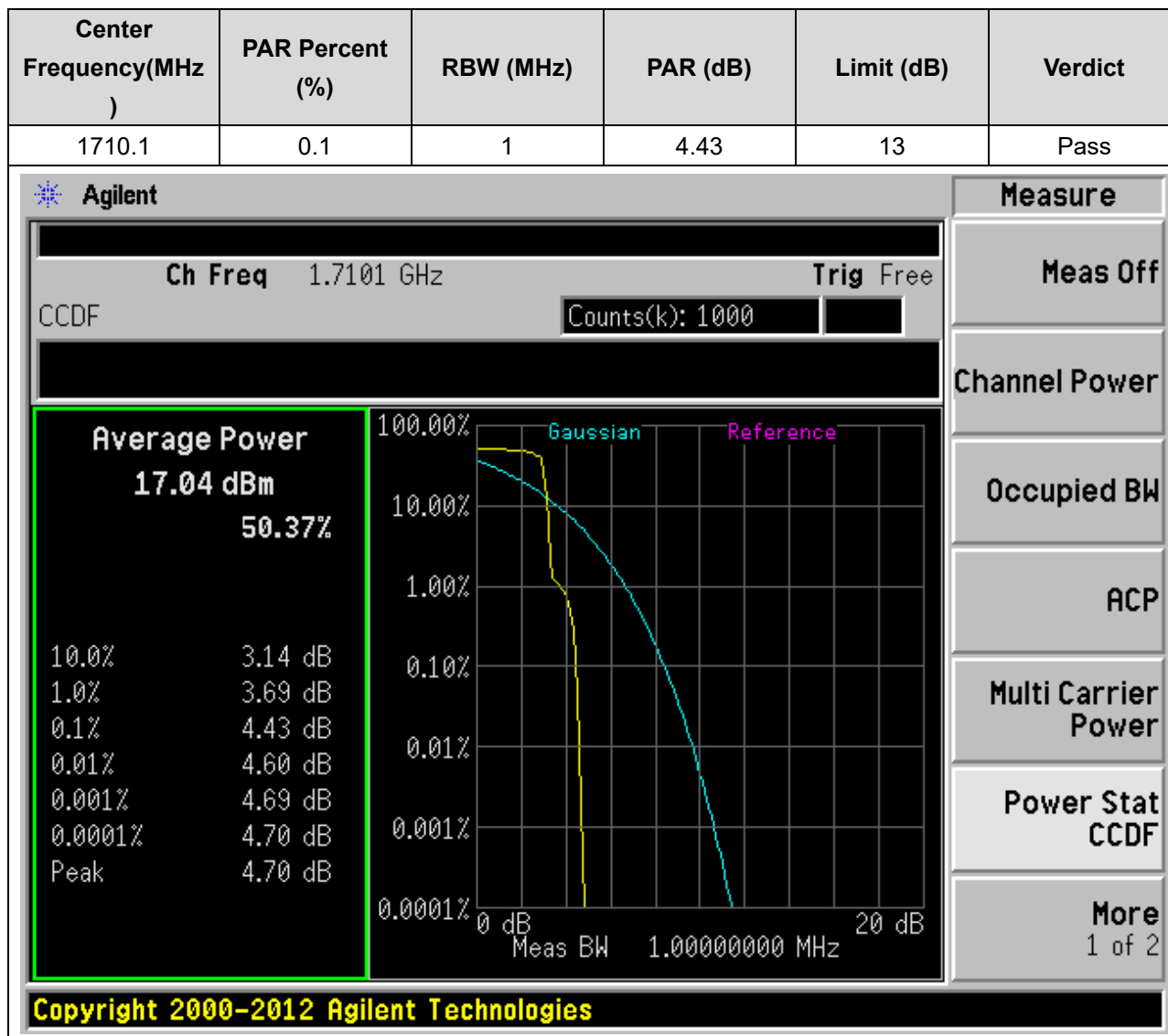
51. NB-IoT_Band71_QPSK_15kHz_1@0_High

51.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



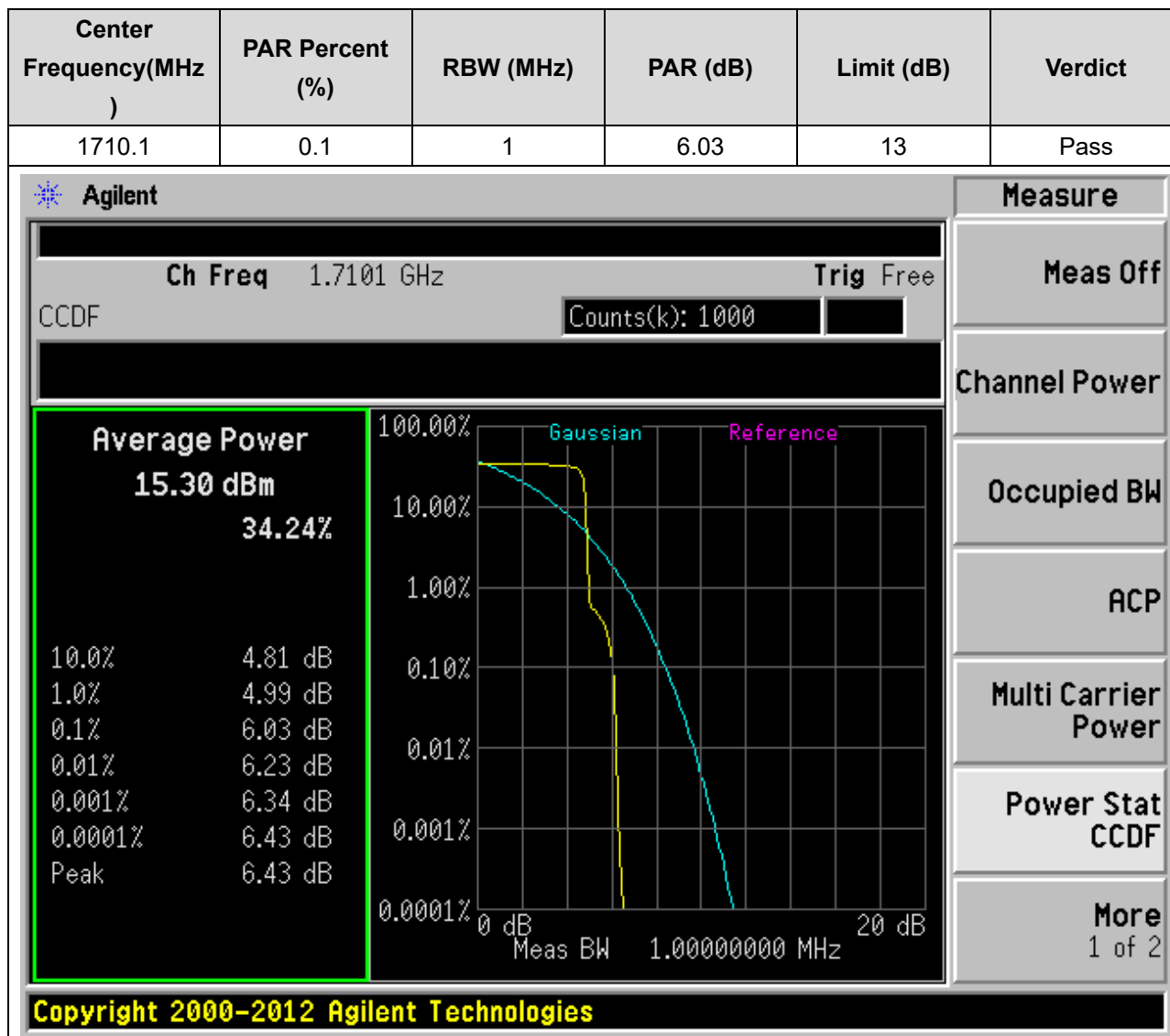
52. NB-IoT_Band66_BPSK_15kHz_1@0_Low

52.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



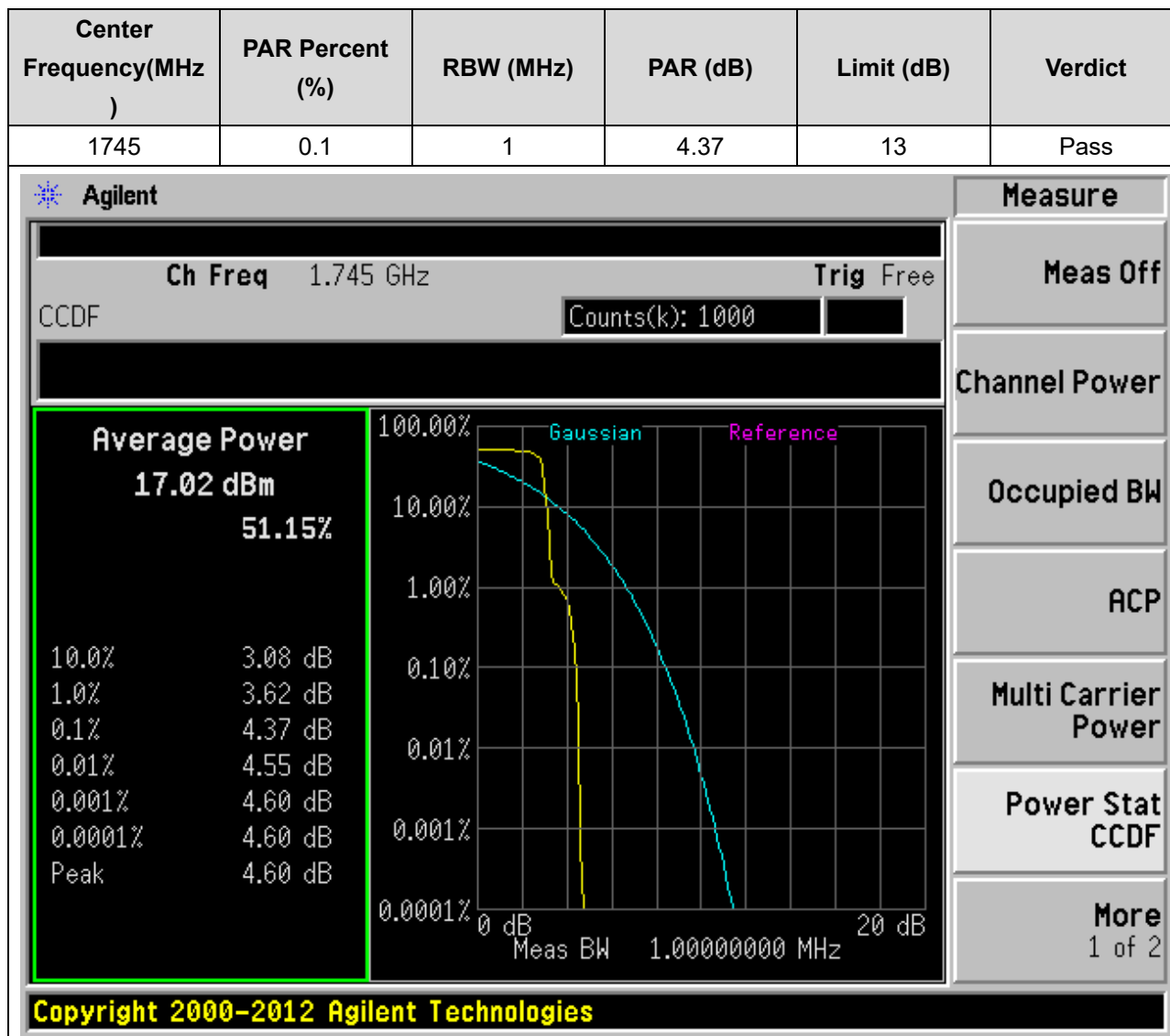
53. NB-IoT_Band66_QPSK_15kHz_1@0_Low

53.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



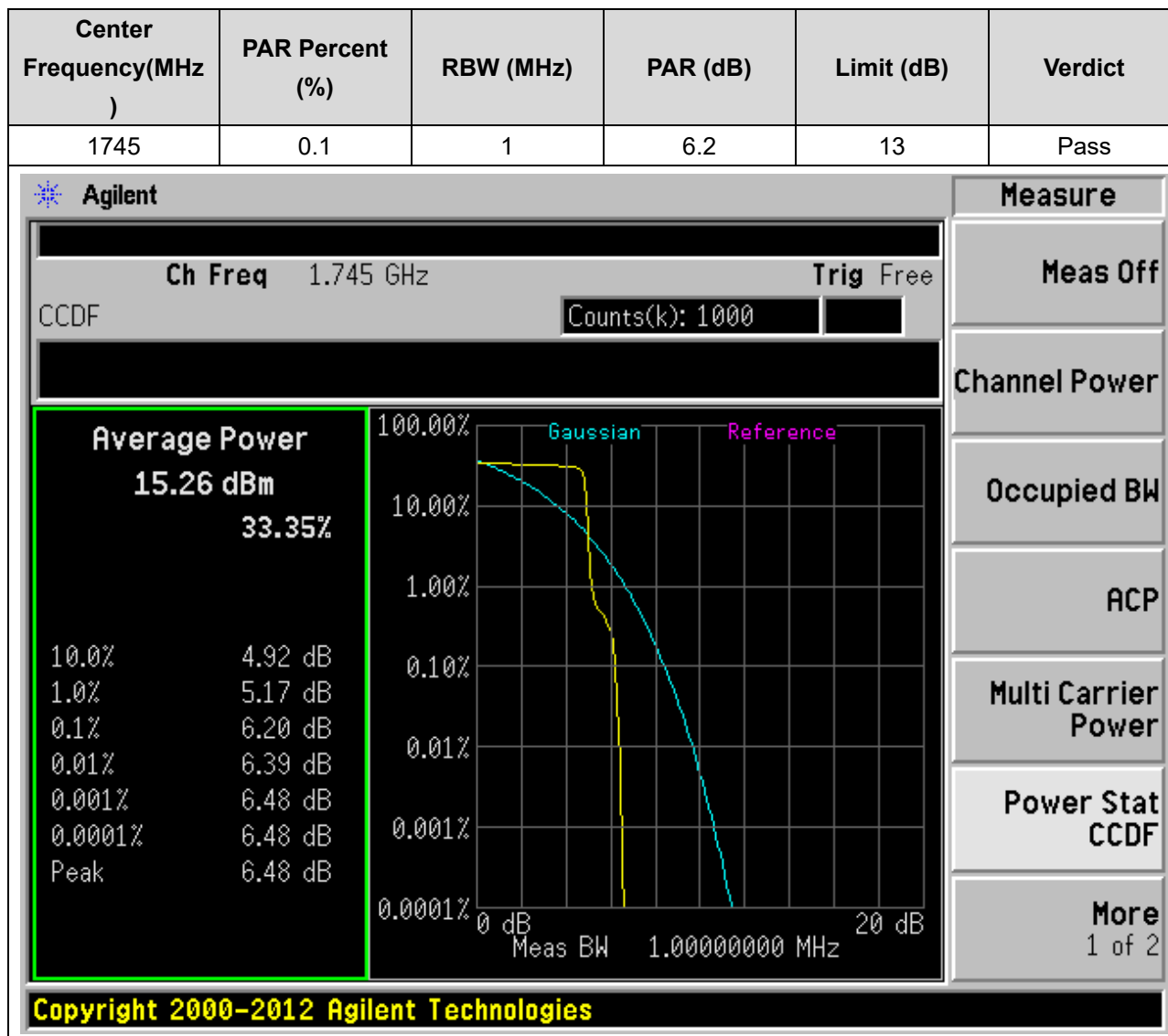
54. NB-IoT_Band66_BPSK_15kHz_1@0_Mid

54.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



55. NB-IoT_Band66_QPSK_15kHz_1@0_Mid

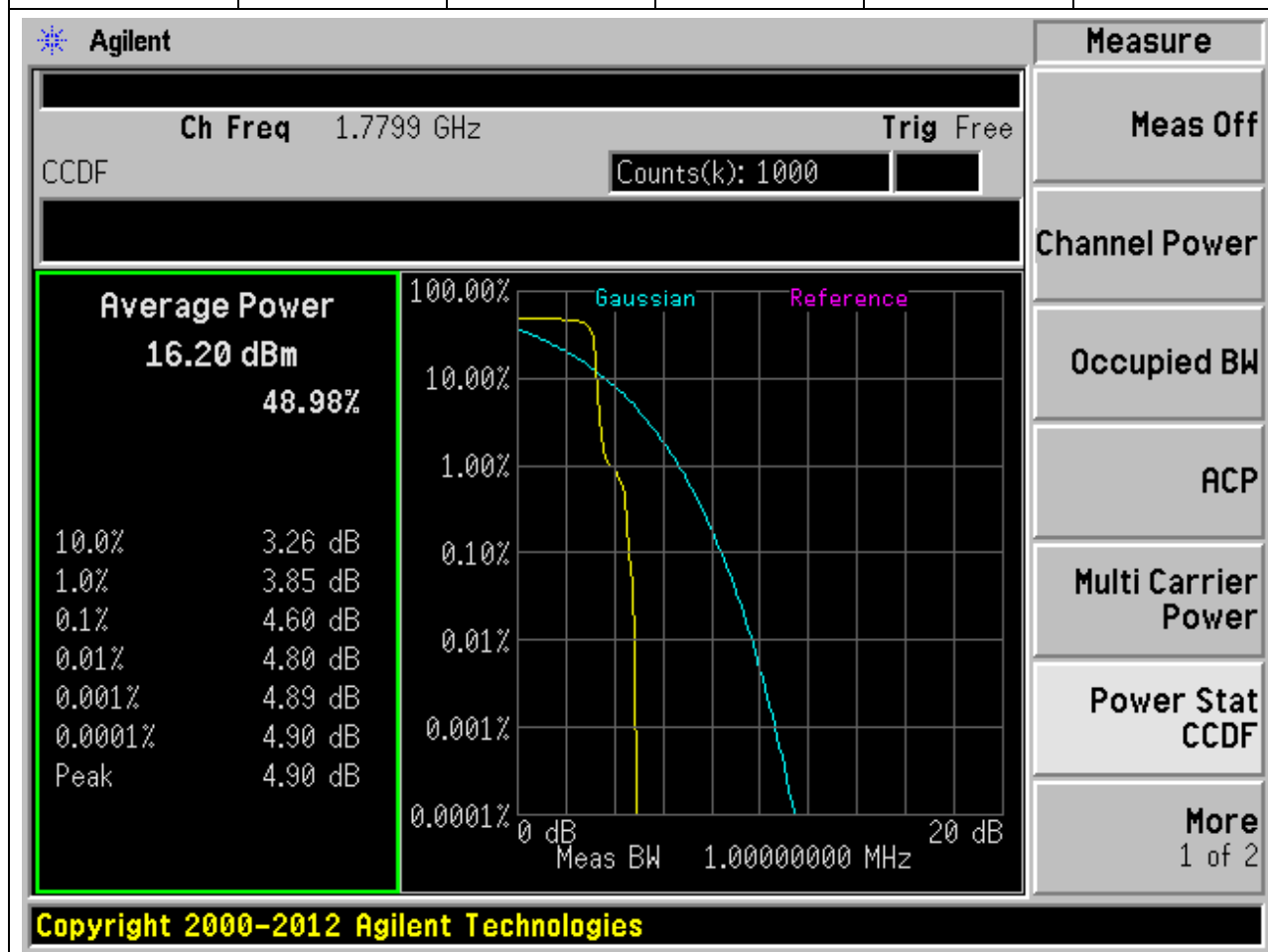
55.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



56. NB-IoT_Band66_BPSK_15kHz_1@0_High

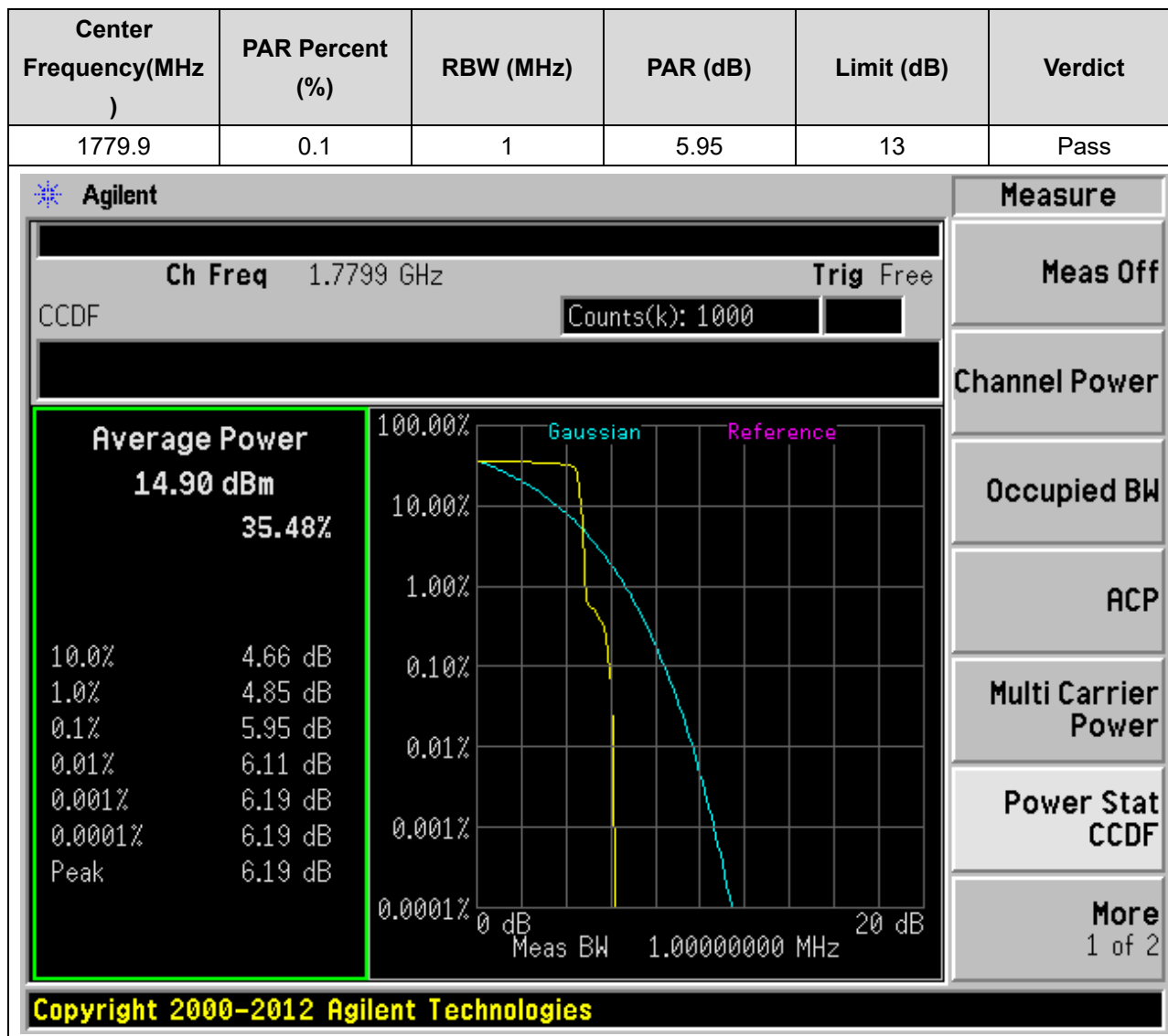
56.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
1779.9	0.1	1	4.6	13	Pass



57. NB-IoT_Band66_QPSK_15kHz_1@0_High

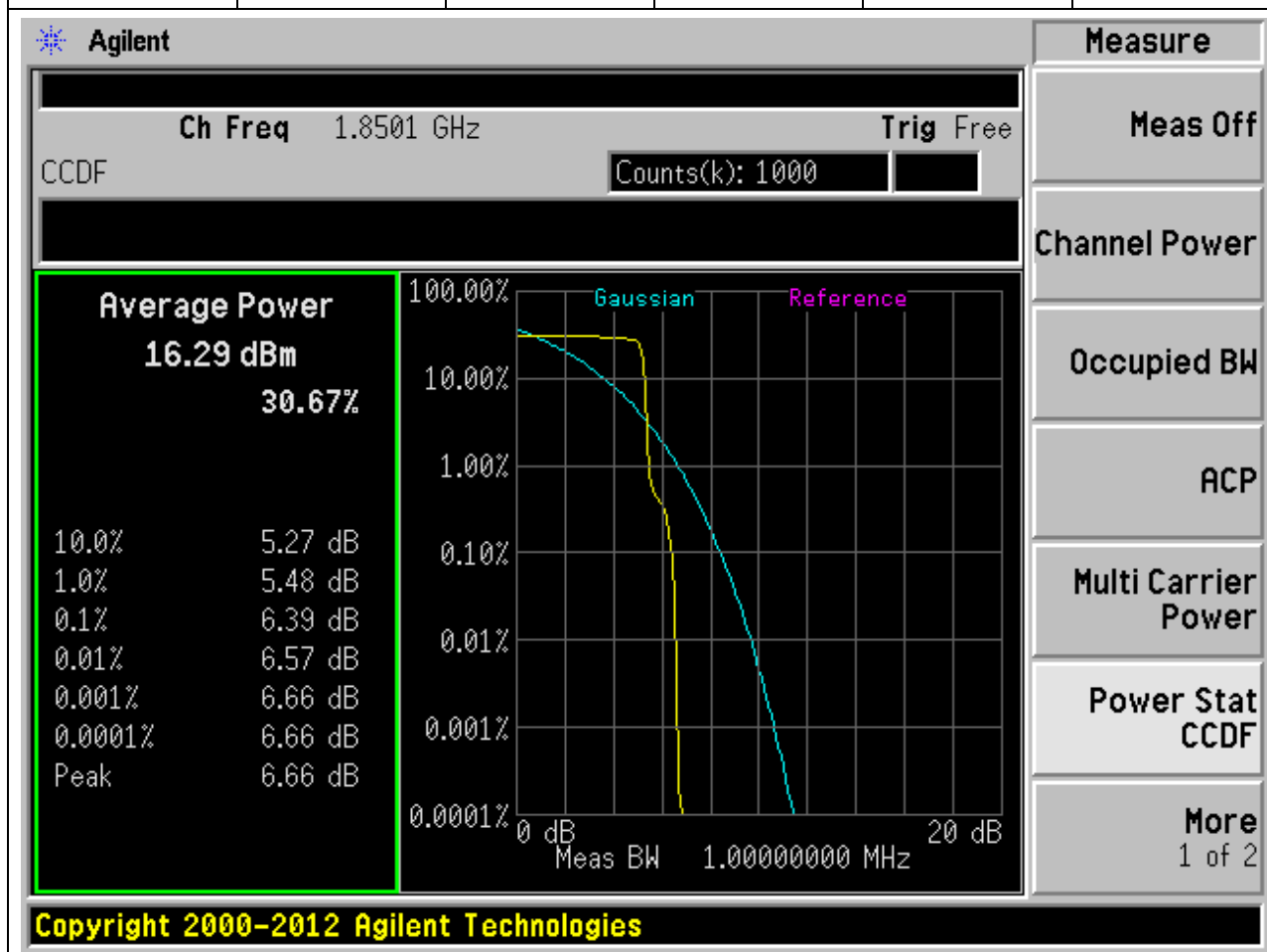
57.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



58. NB-IoT_Band2_QPSK_15kHz_1@0_Low

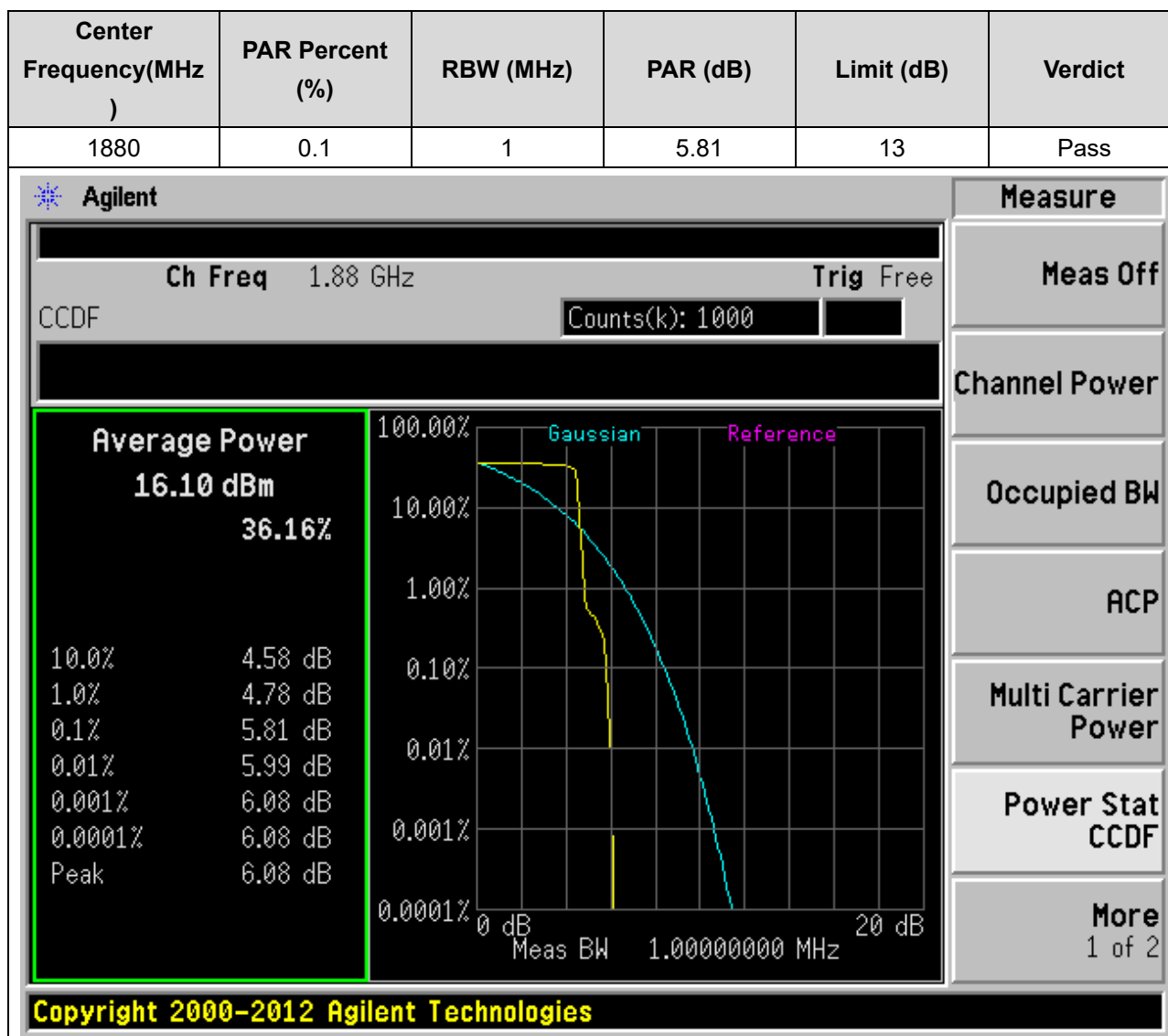
58.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
1850.1	0.1	1	6.39	13	Pass



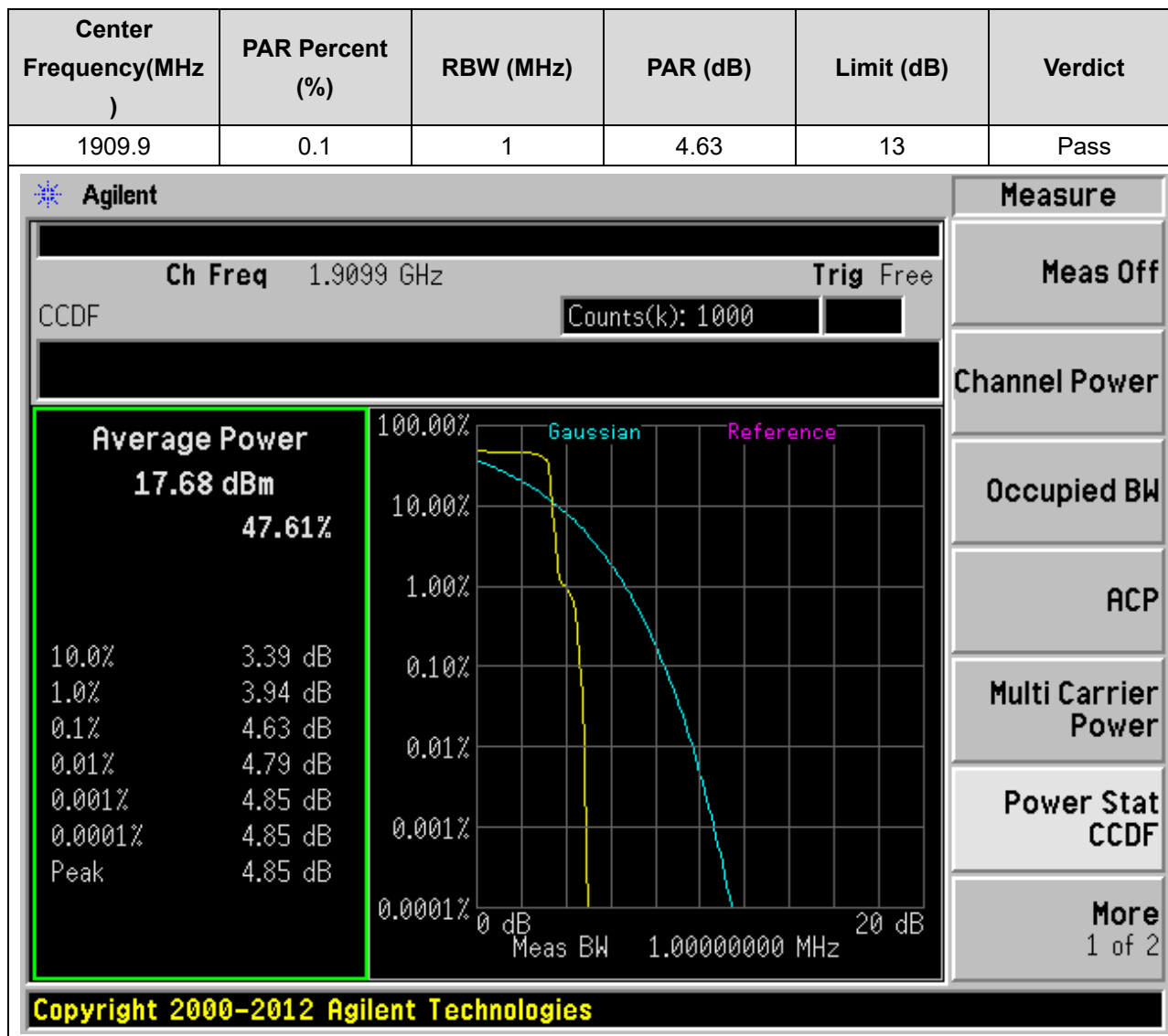
59. NB-IoT_Band2_QPSK_15kHz_1@0_Mid

59.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



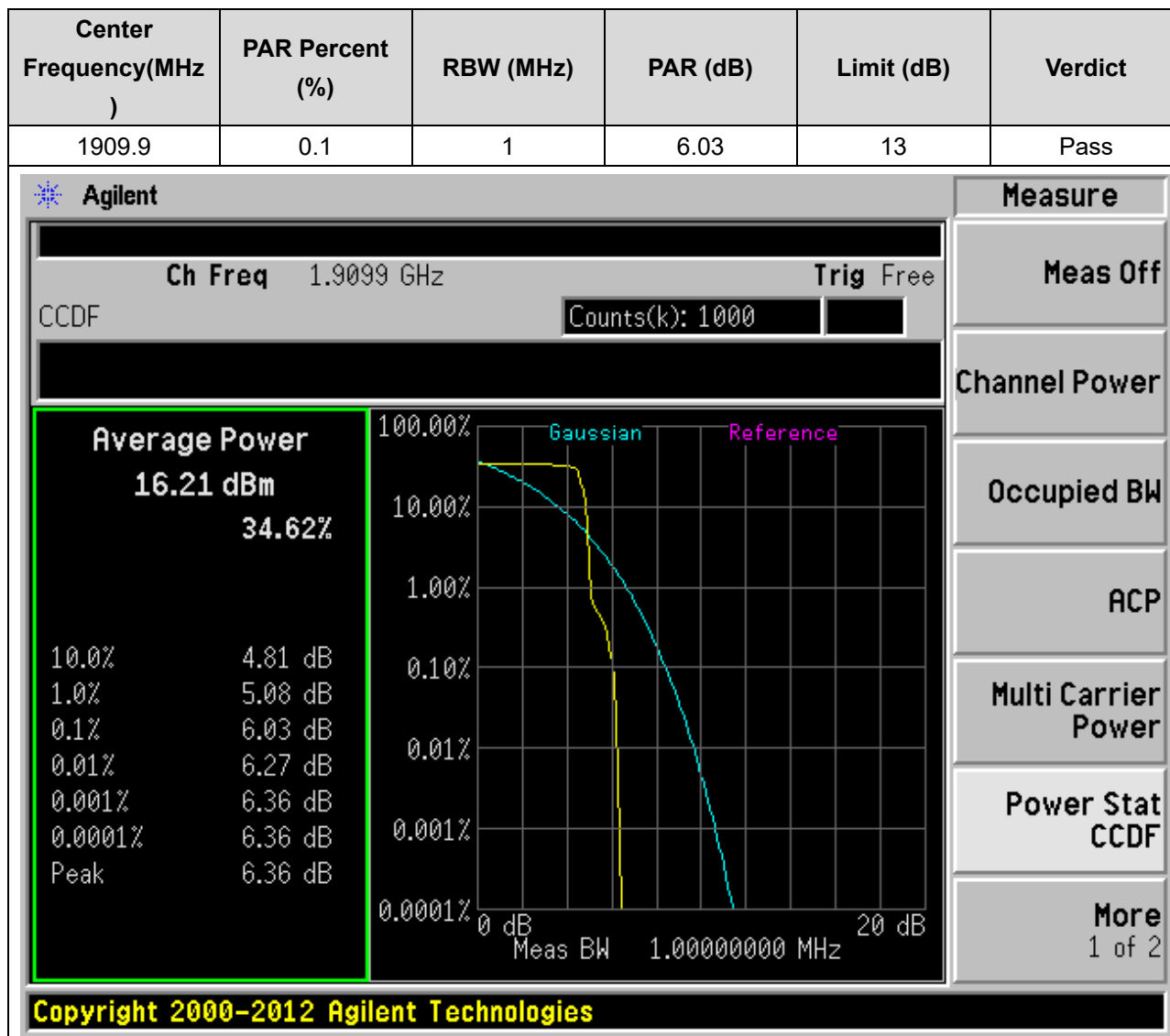
60. NB-IoT_Band2_BPSK_15kHz_1@0_High

60.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



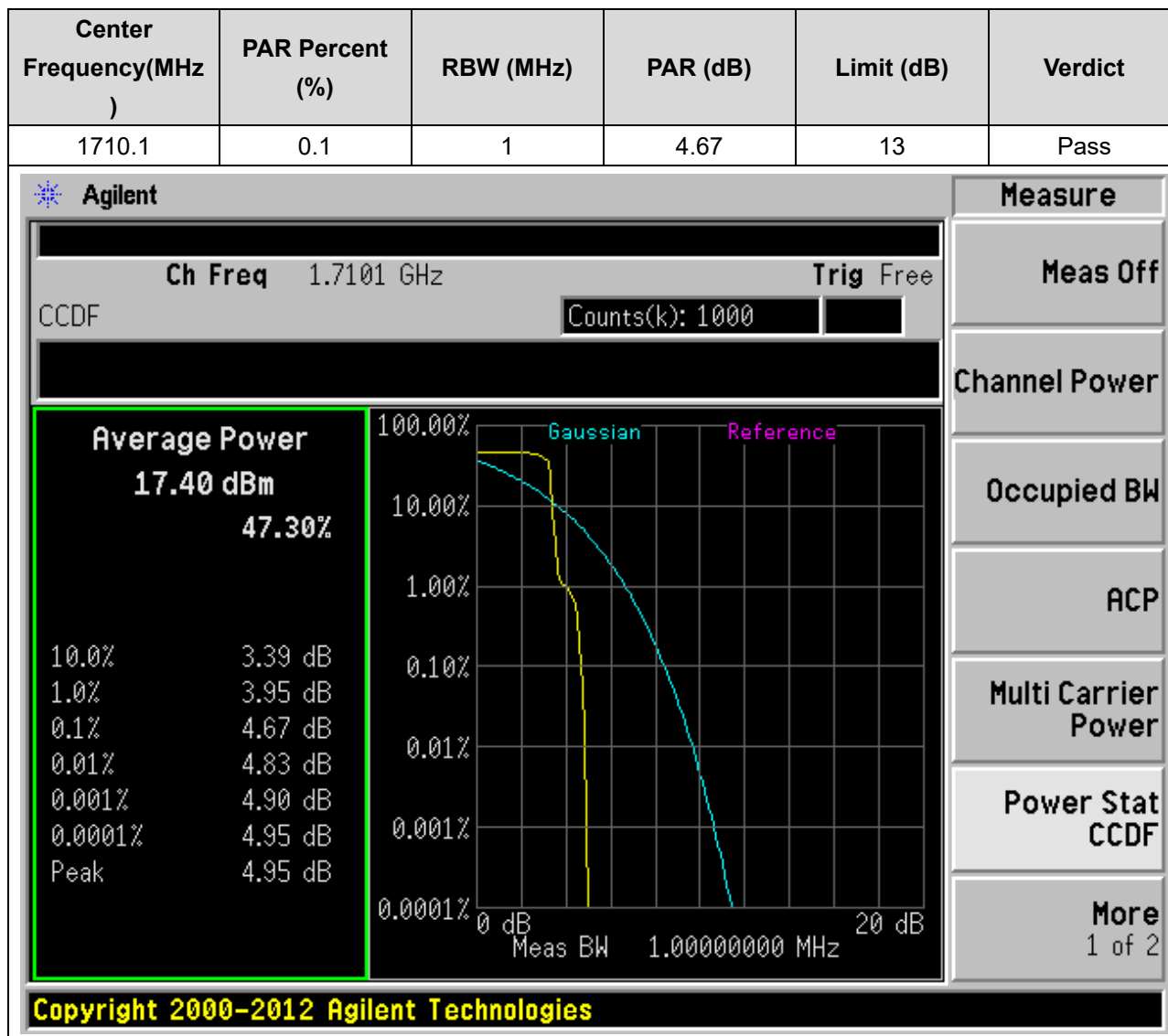
61. NB-IoT_Band2_QPSK_15kHz_1@0_High

61.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



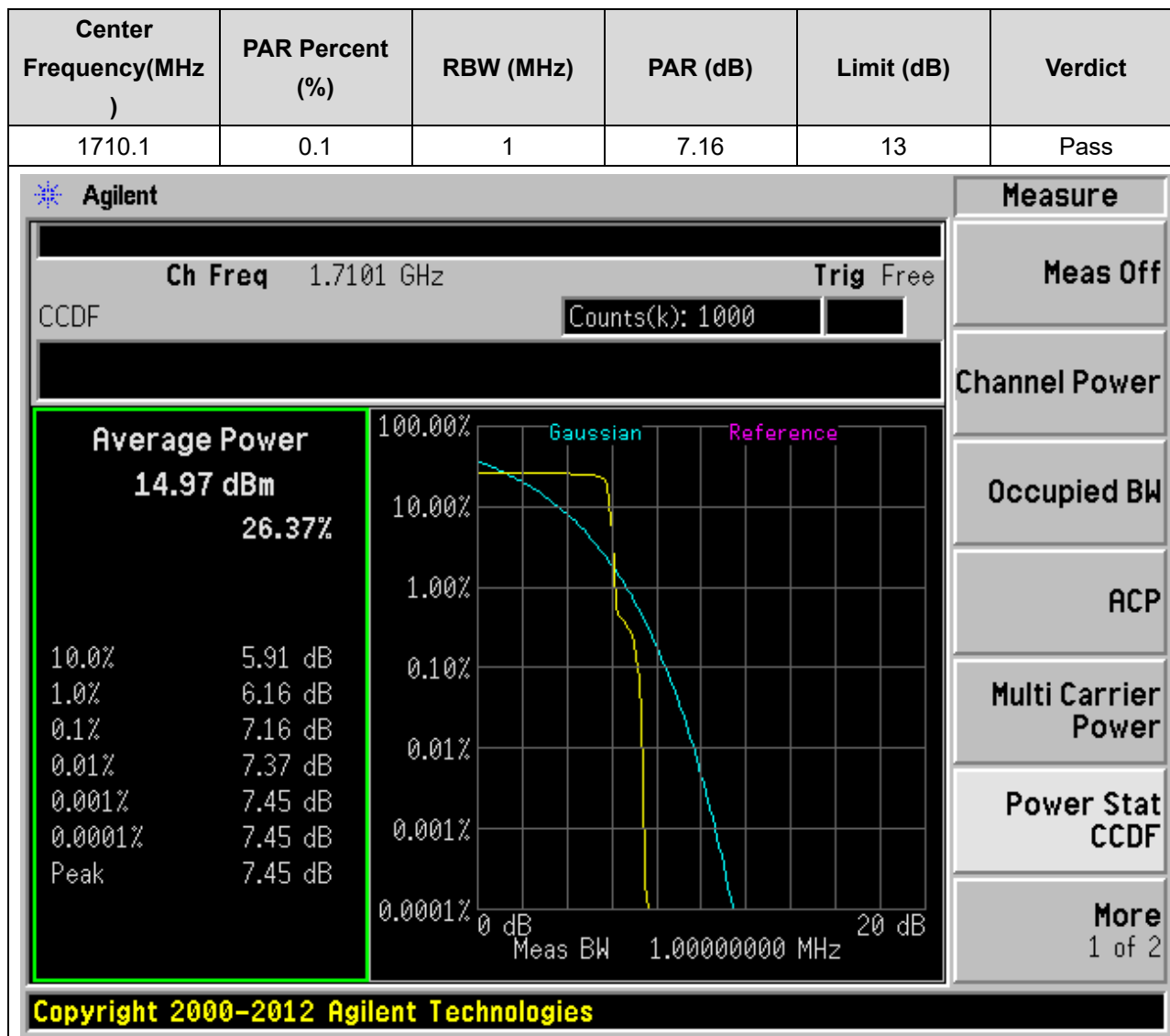
62. NB-IoT_Band4_BPSK_15kHz_1@0_Low

62.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



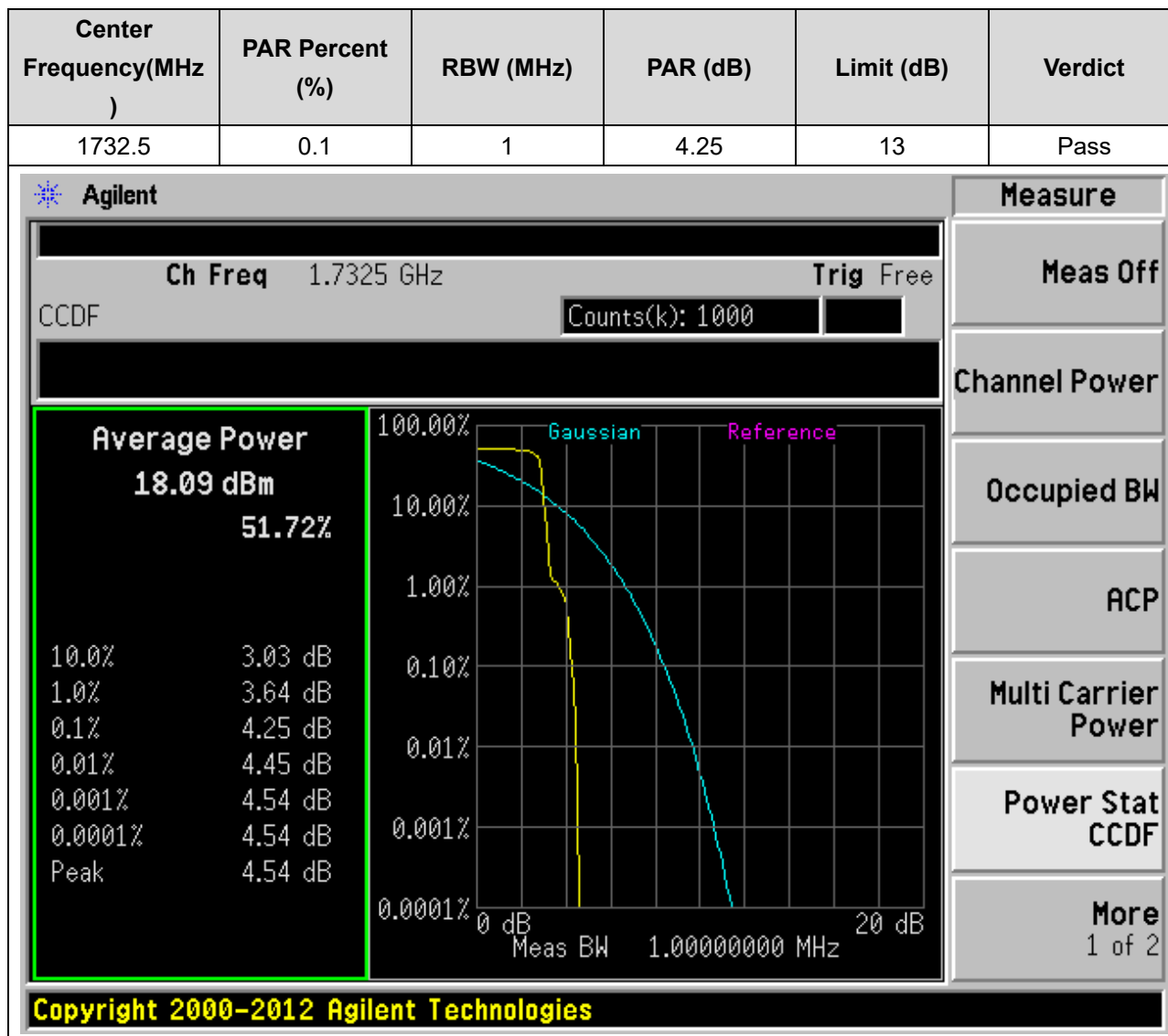
63. NB-IoT_Band4_QPSK_15kHz_1@0_Low

63.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



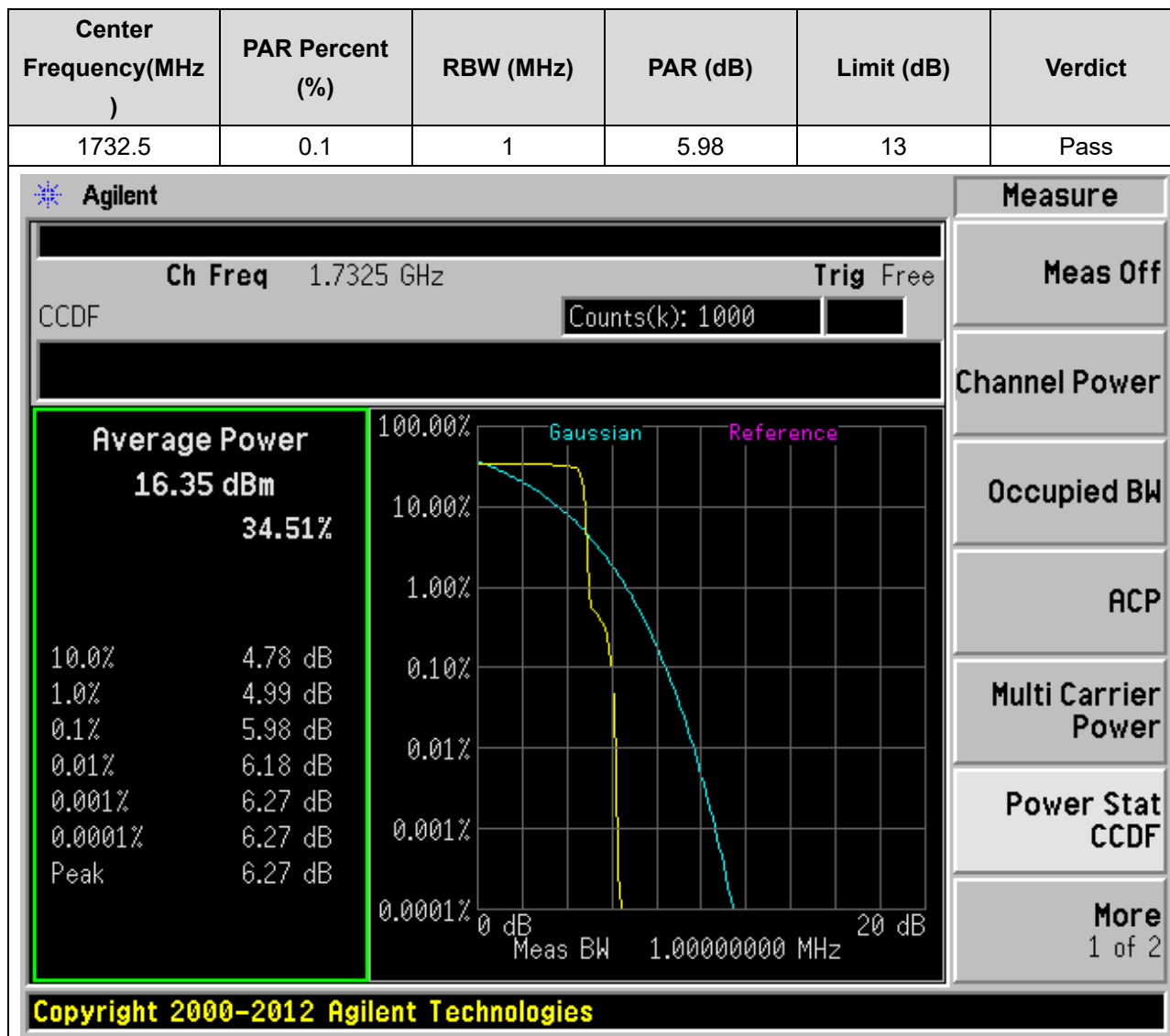
64. NB-IoT_Band4_BPSK_15kHz_1@0_Mid

64.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



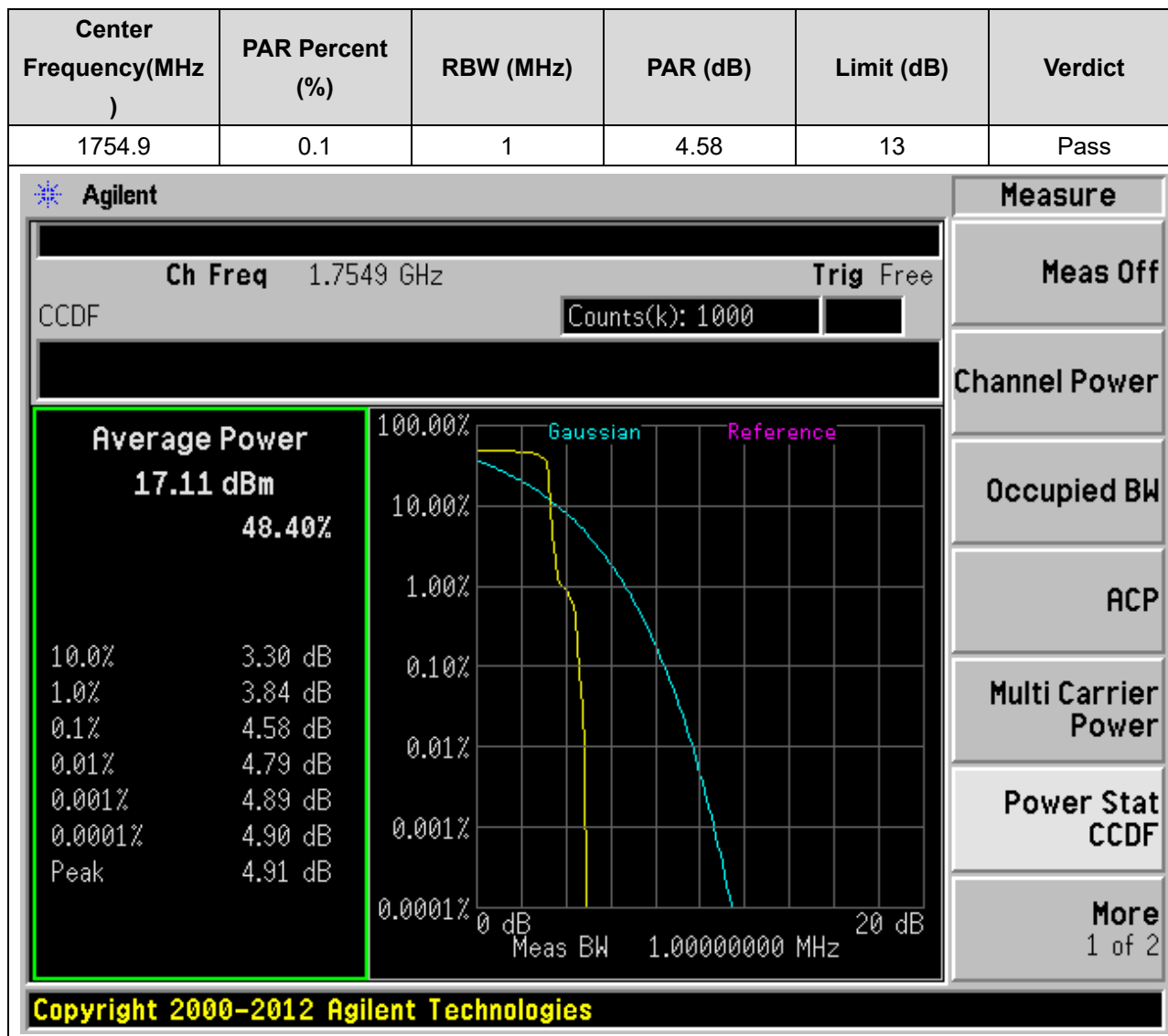
65. NB-IoT_Band4_QPSK_15kHz_1@0_Mid

65.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



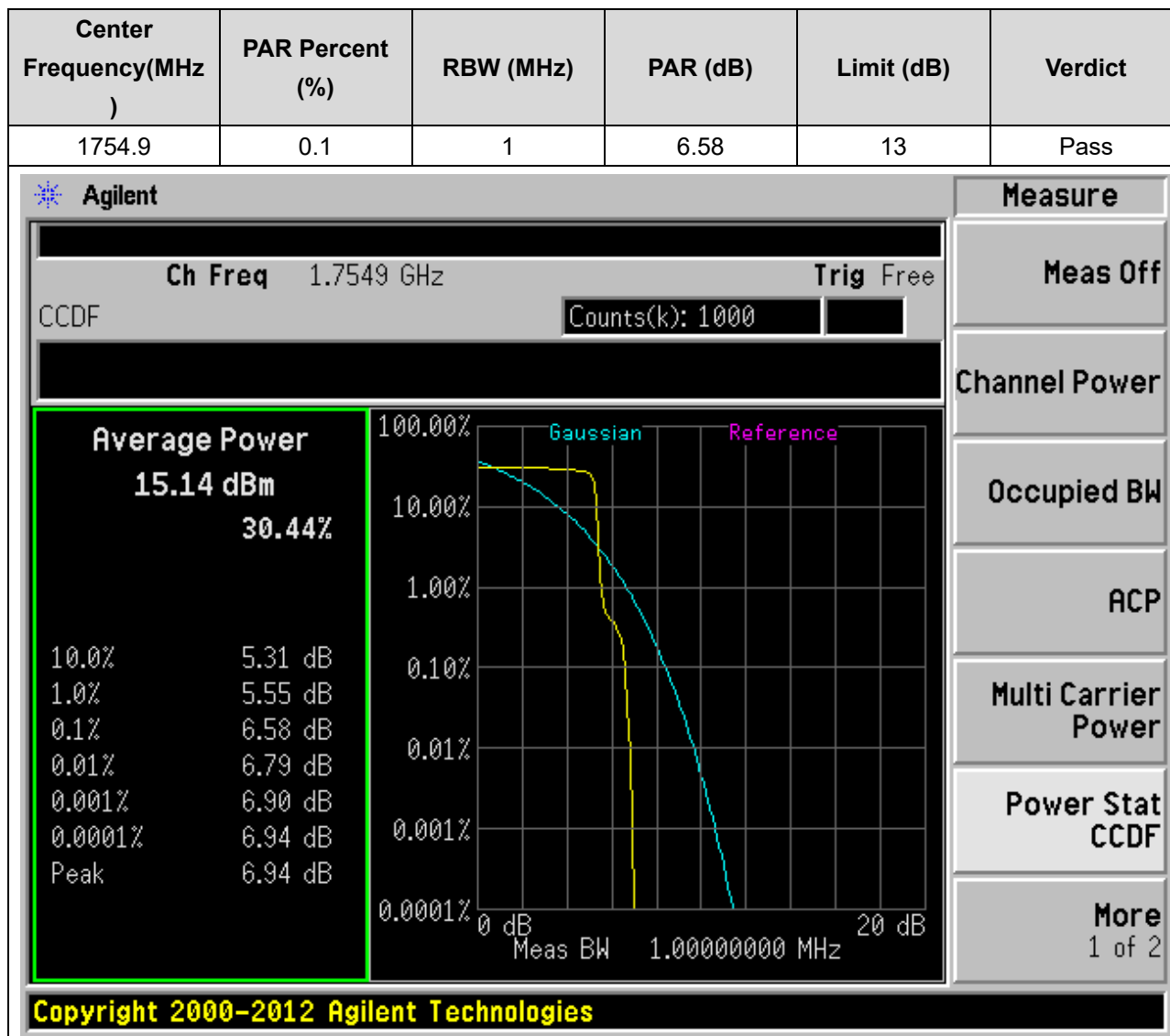
66. NB-IoT_Band4_BPSK_15kHz_1@0_High

66.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



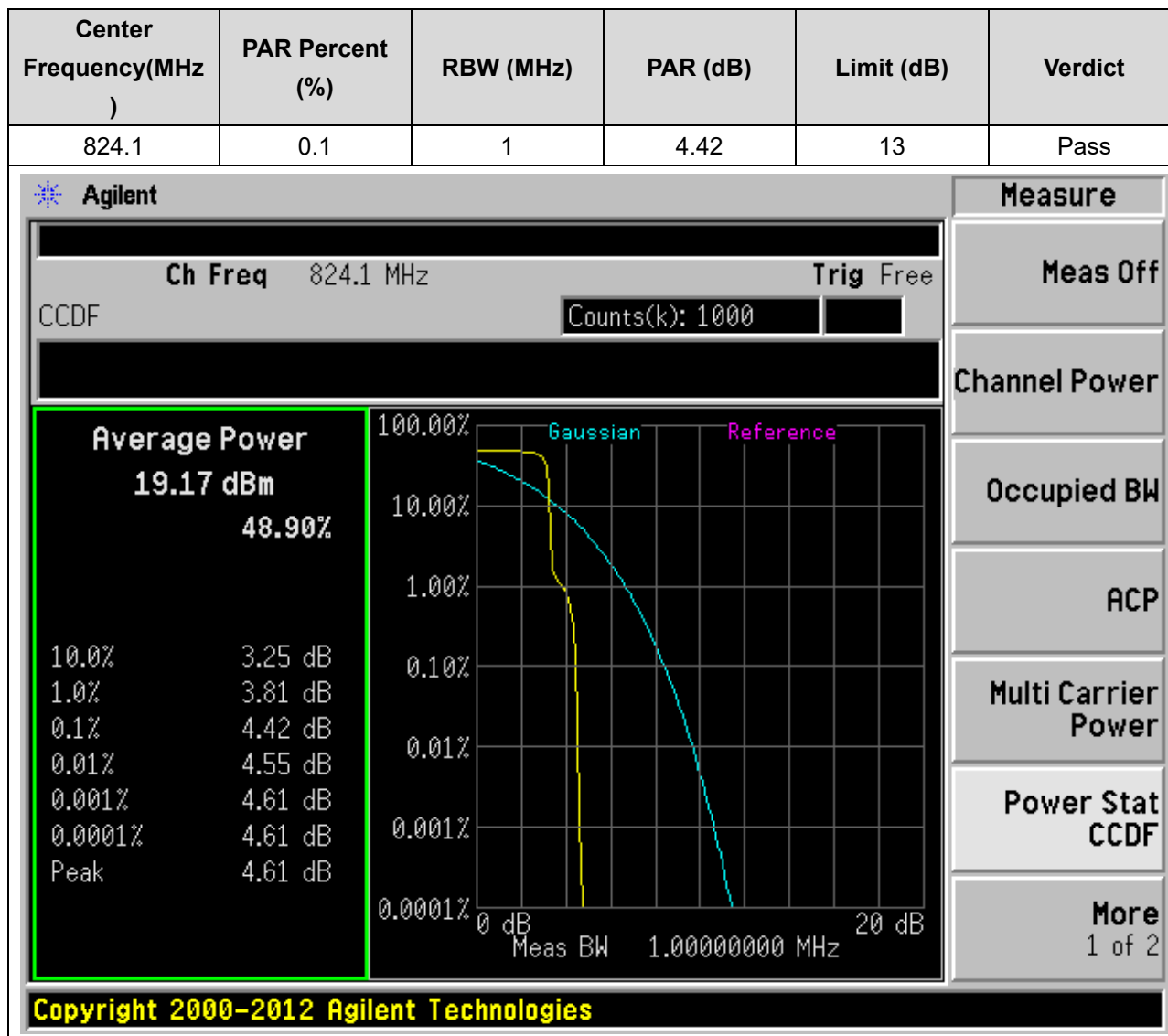
67. NB-IoT_Band4_QPSK_15kHz_1@0_High

67.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



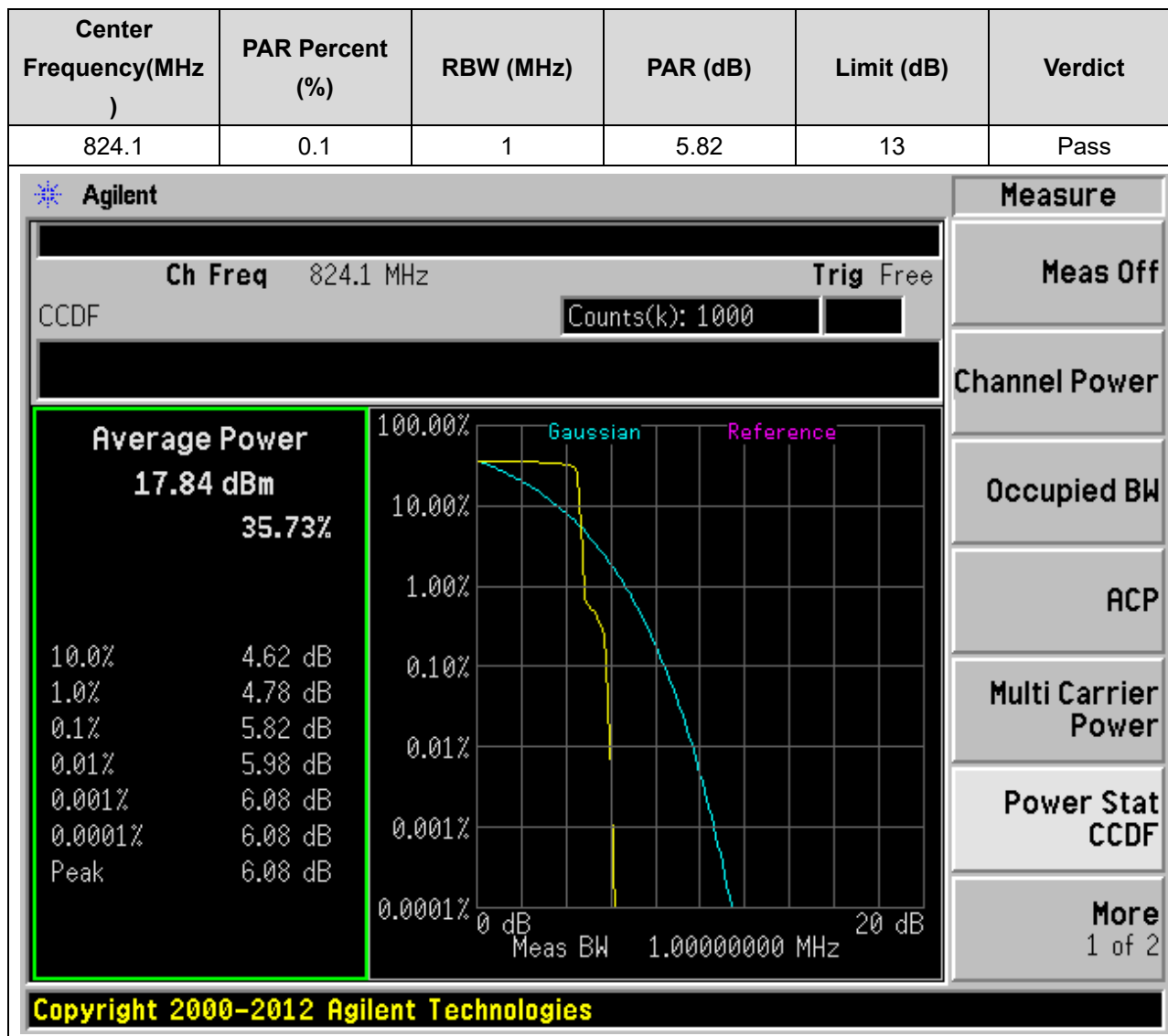
68. NB-IoT_Band5_BPSK_15kHz_1@0_Low

68.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



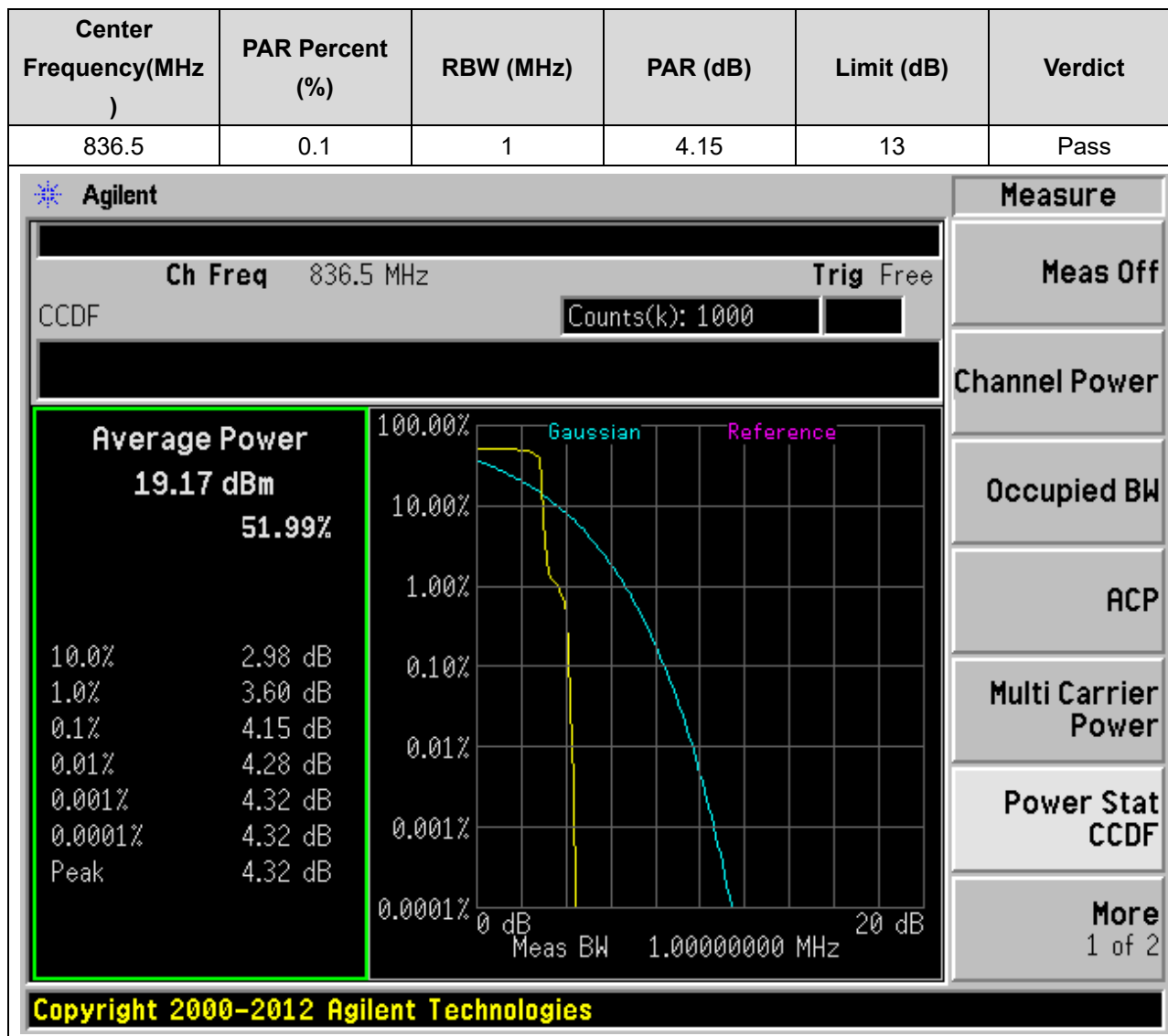
69. NB-IoT_Band5_QPSK_15kHz_1@0_Low

69.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



70. NB-IoT_Band5_BPSK_15kHz_1@0_Mid

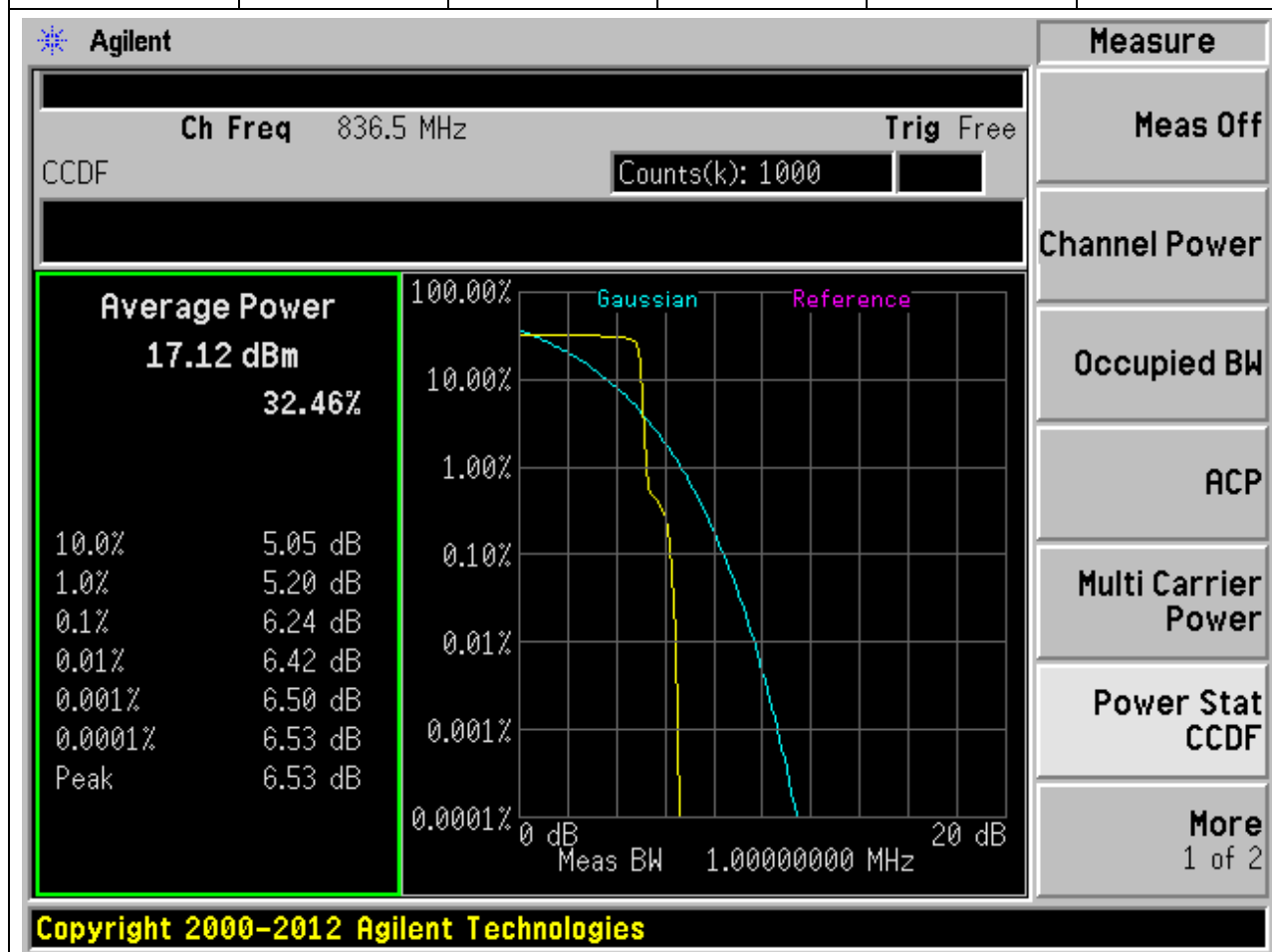
70.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



71. NB-IoT_Band5_QPSK_15kHz_1@0_Mid

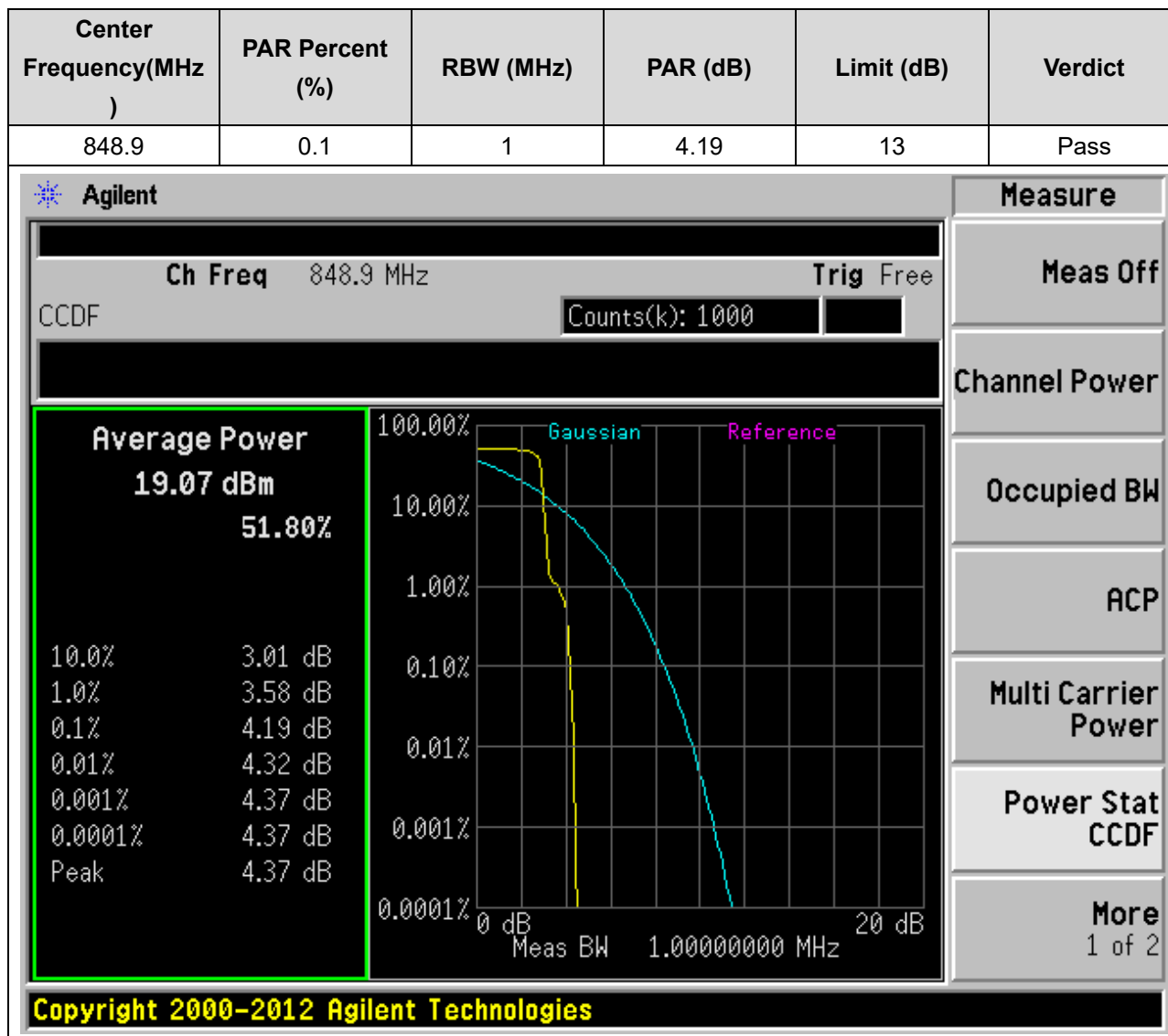
71.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
836.5	0.1	1	6.24	13	Pass



72. NB-IoT_Band5_BPSK_15kHz_1@0_High

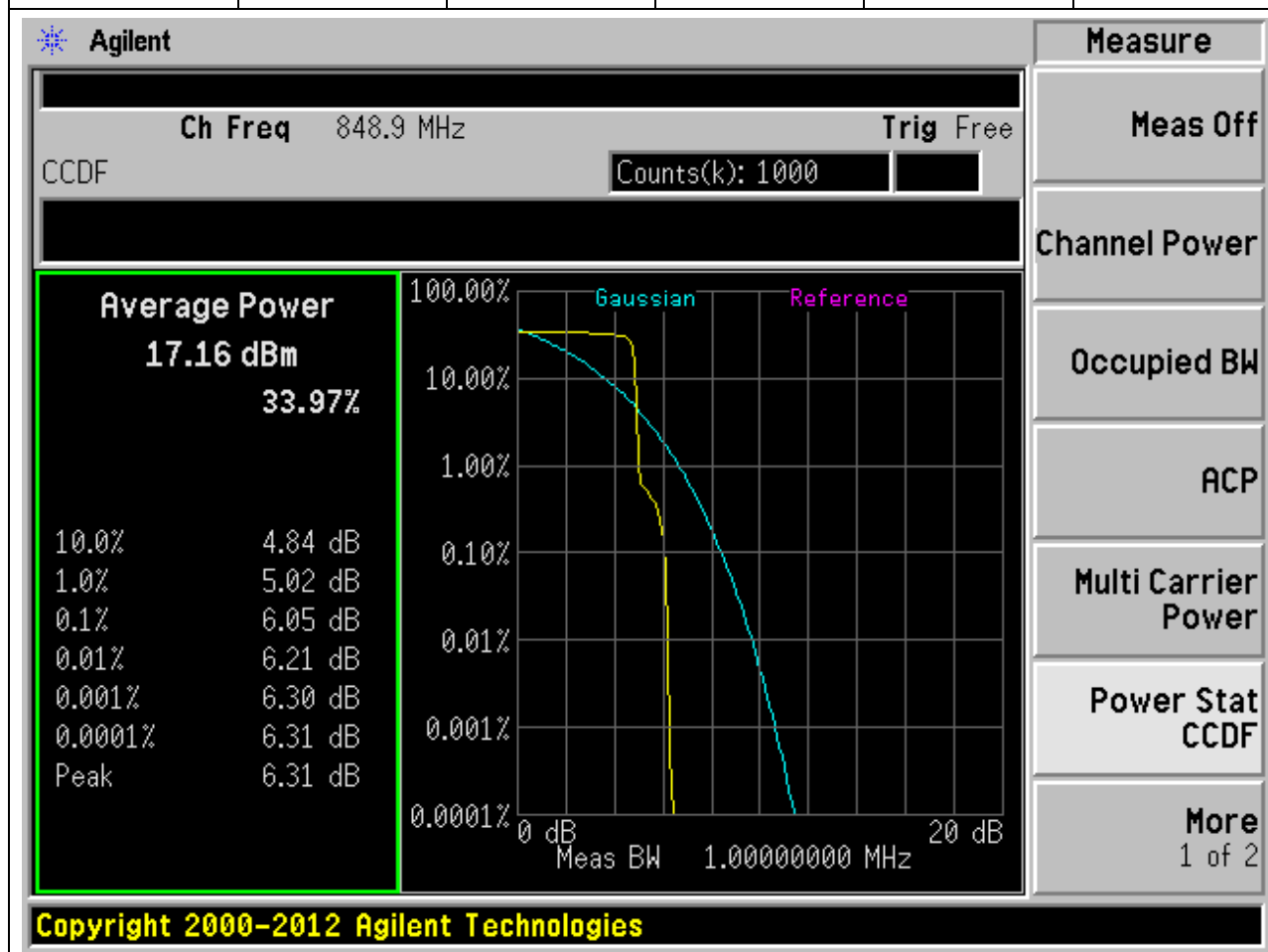
72.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



73. NB-IoT_Band5_QPSK_15kHz_1@0_High

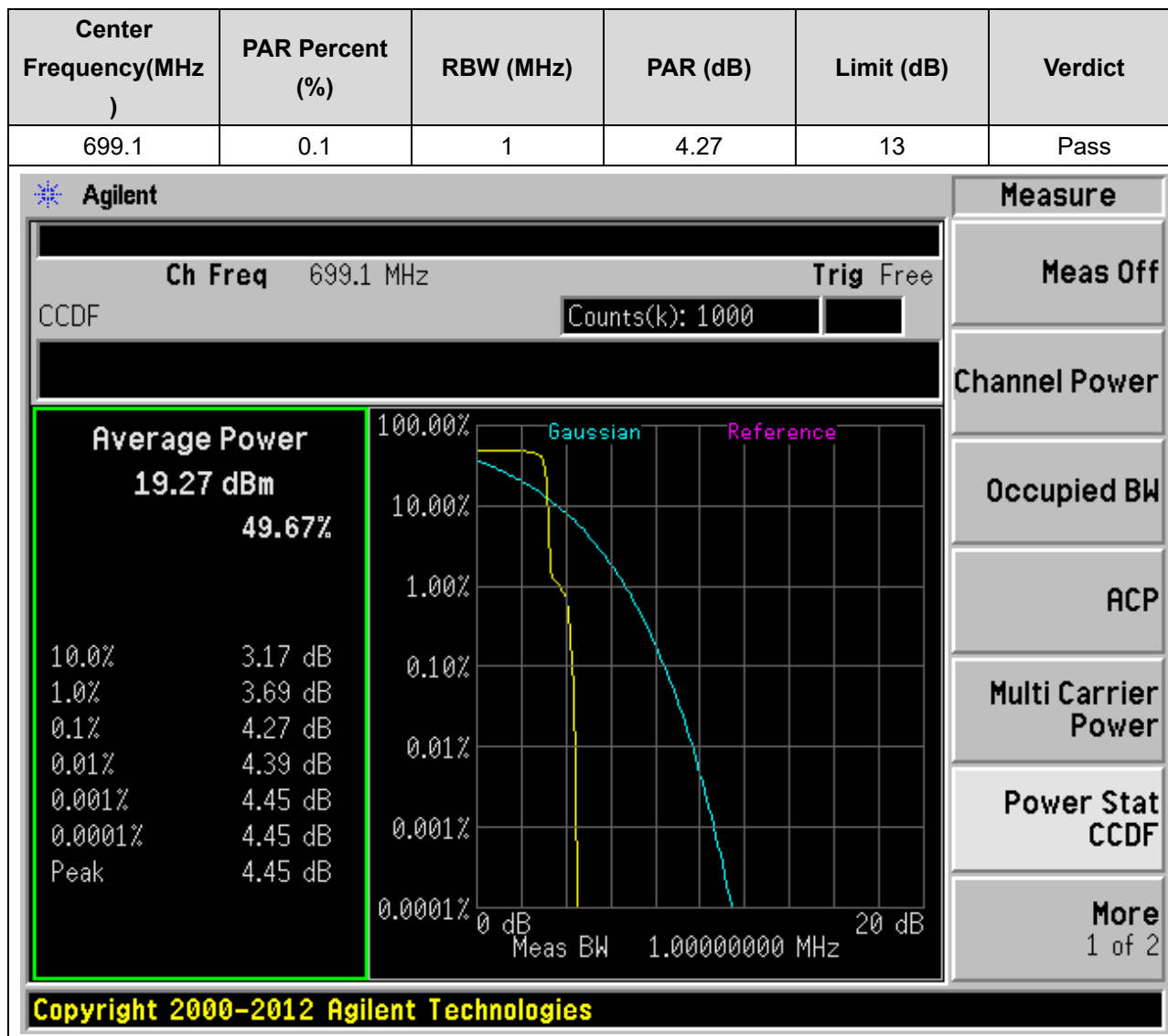
73.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)

Center Frequency(MHz)	PAR Percent (%)	RBW (MHz)	PAR (dB)	Limit (dB)	Verdict
848.9	0.1	1	6.05	13	Pass



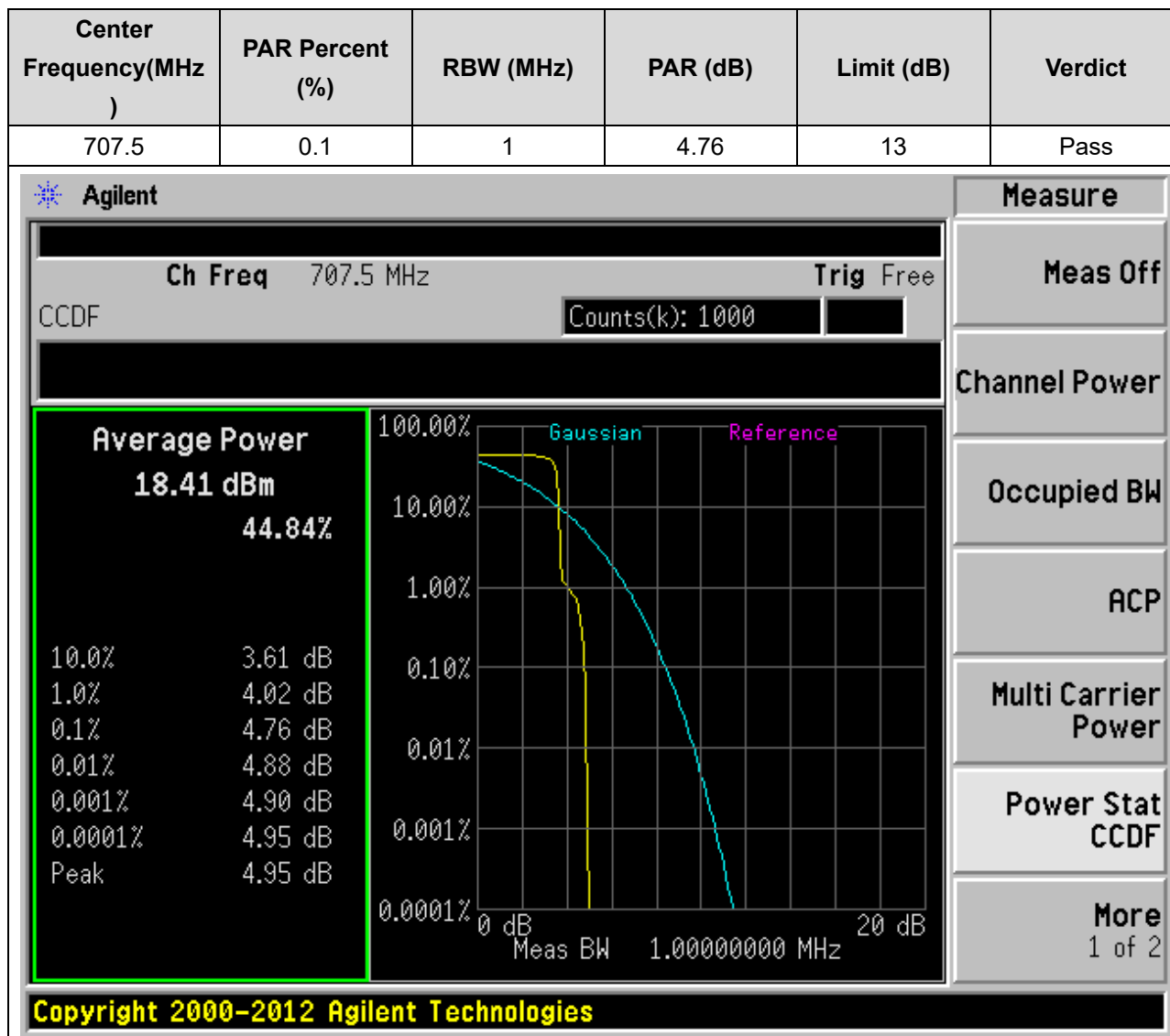
74. NB-IoT_Band12_BPSK_15kHz_1@0_Low

74.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



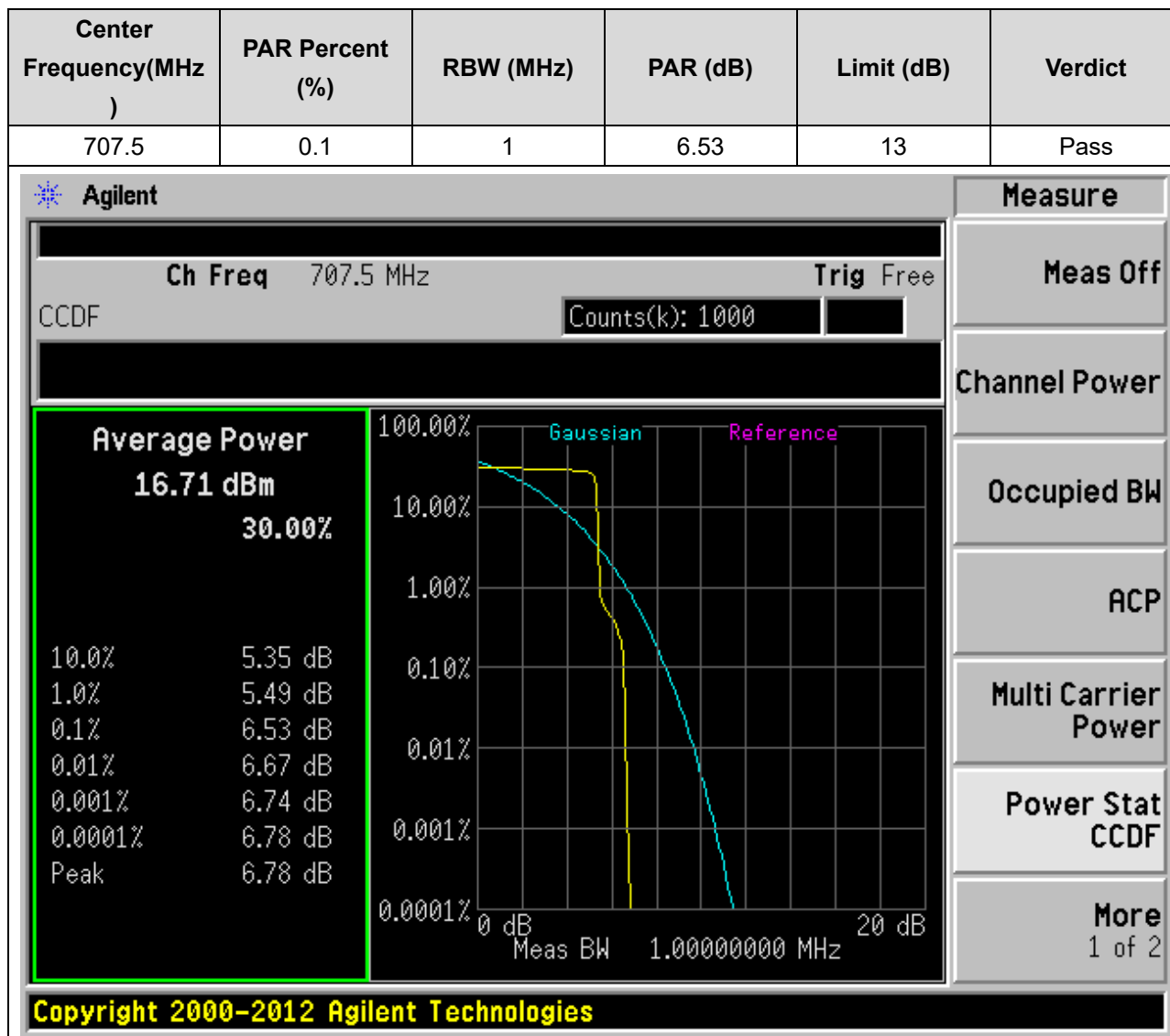
75. NB-IoT_Band12_BPSK_15kHz_1@0_Mid

75.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



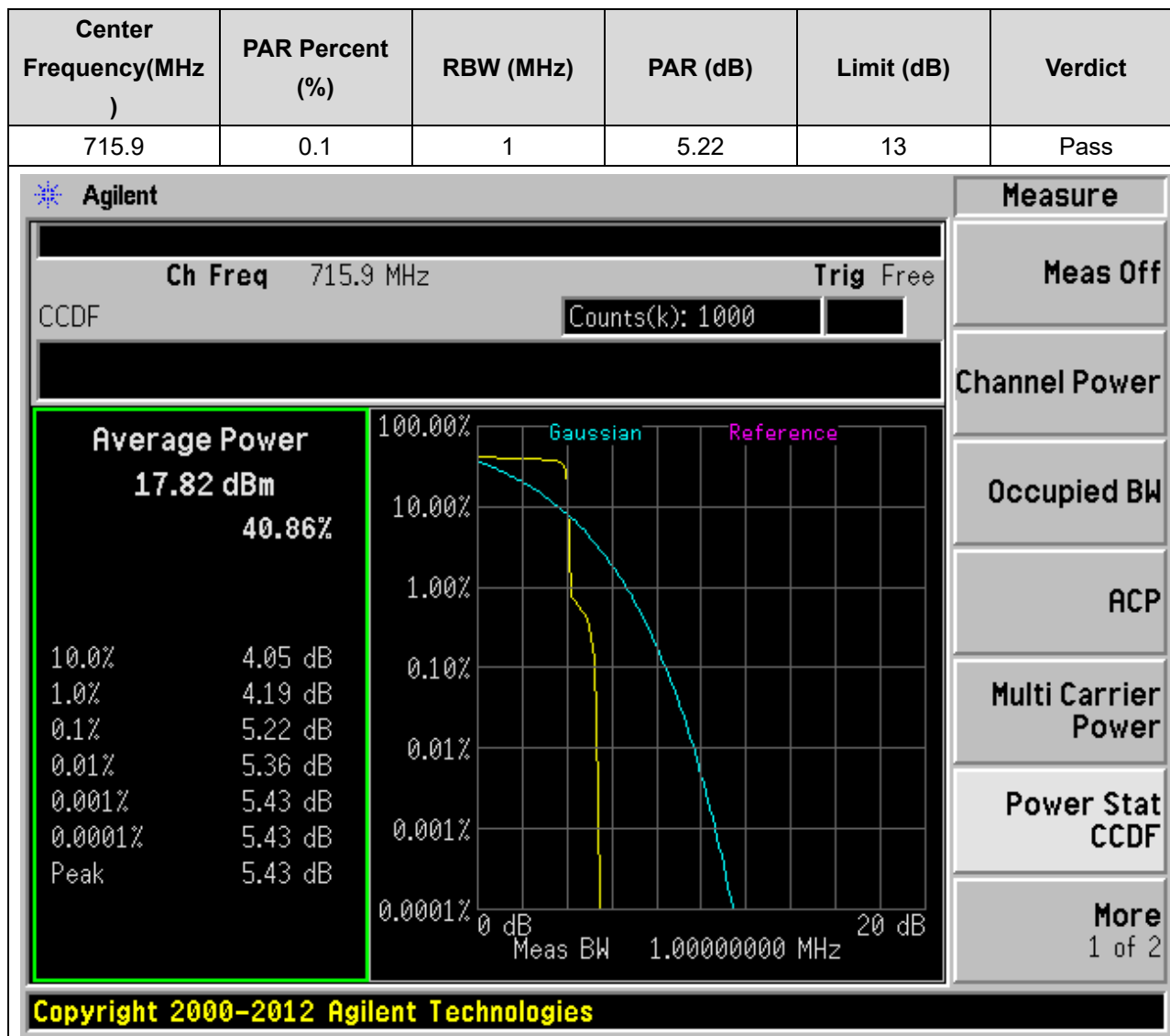
76. NB-IoT_Band12_QPSK_15kHz_1@0_Mid

76.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



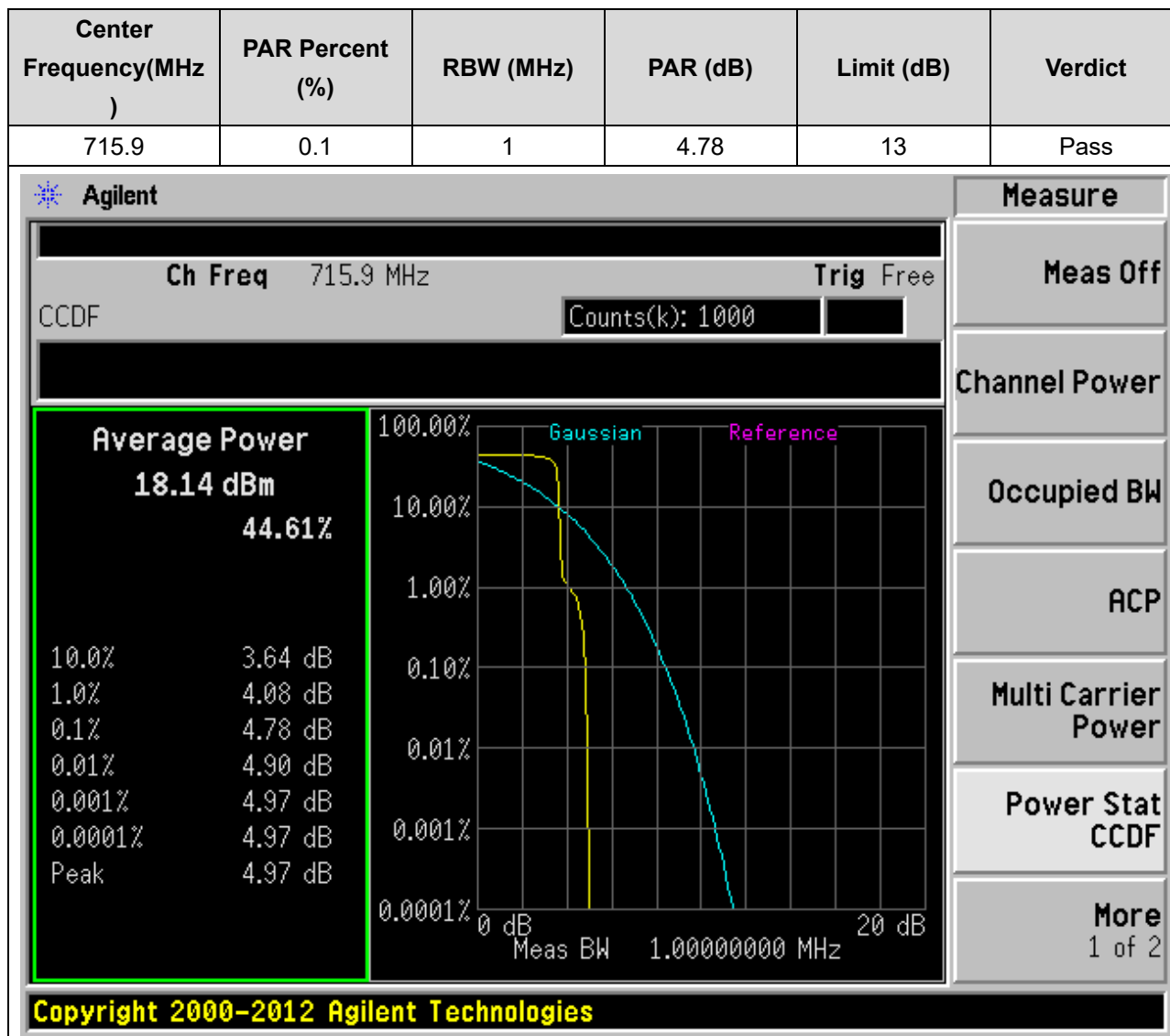
77. NB-IoT_Band12_QPSK_15kHz_1@0_High

77.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



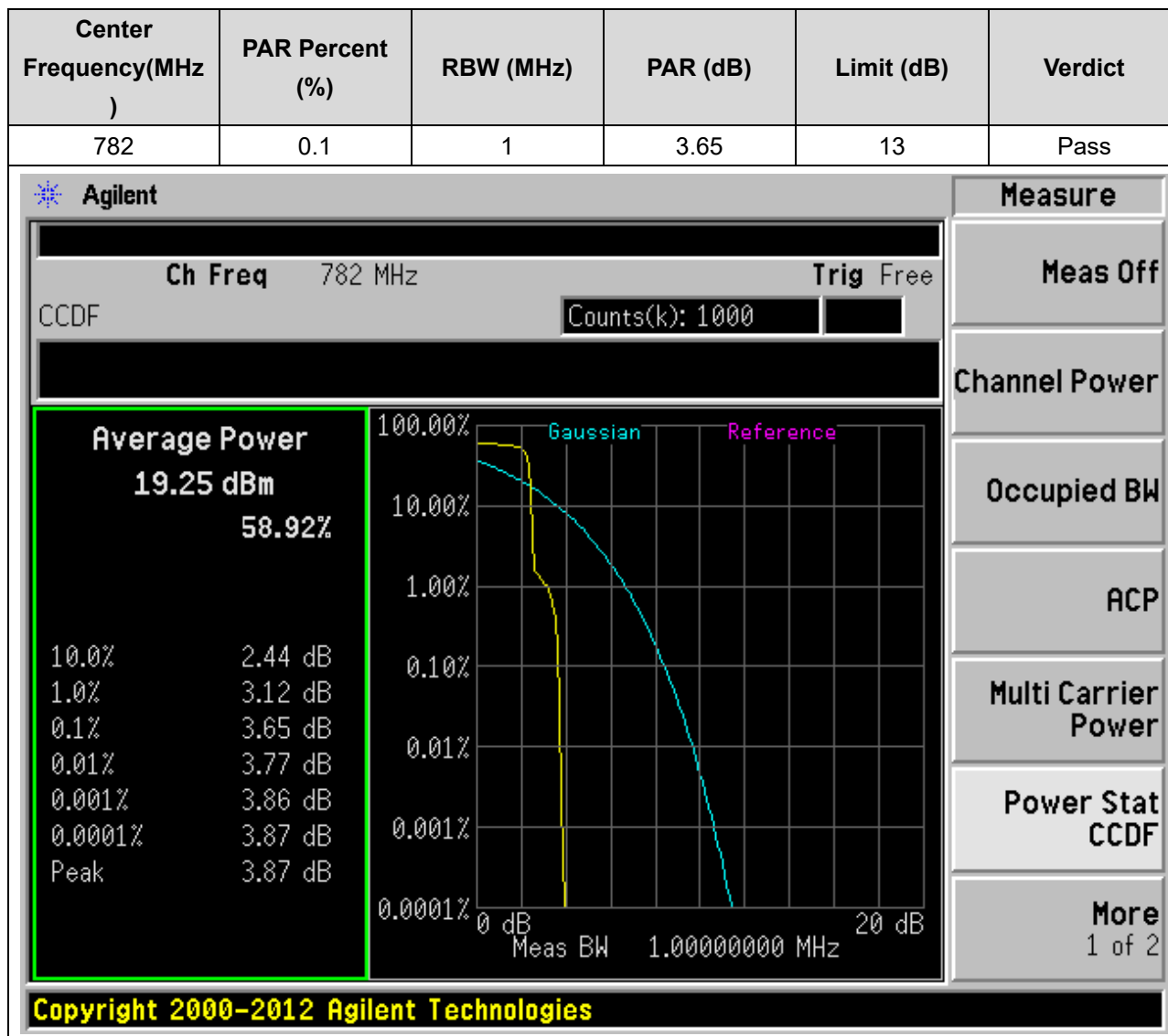
78. NB-IoT_Band12_BPSK_15kHz_1@0_High

78.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



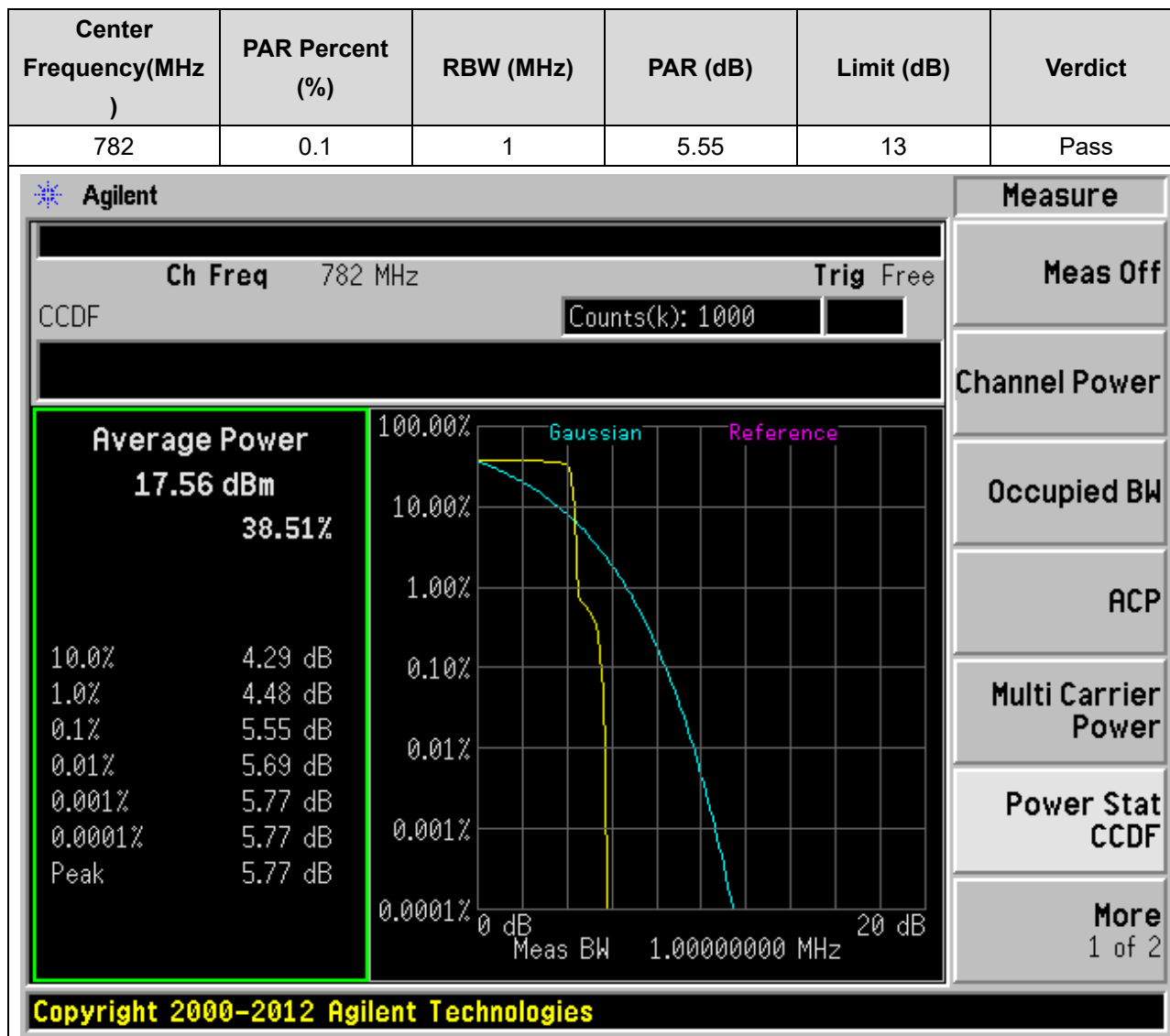
79. NB-IoT_Band13_BPSK_15kHz_1@0_Mid

79.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



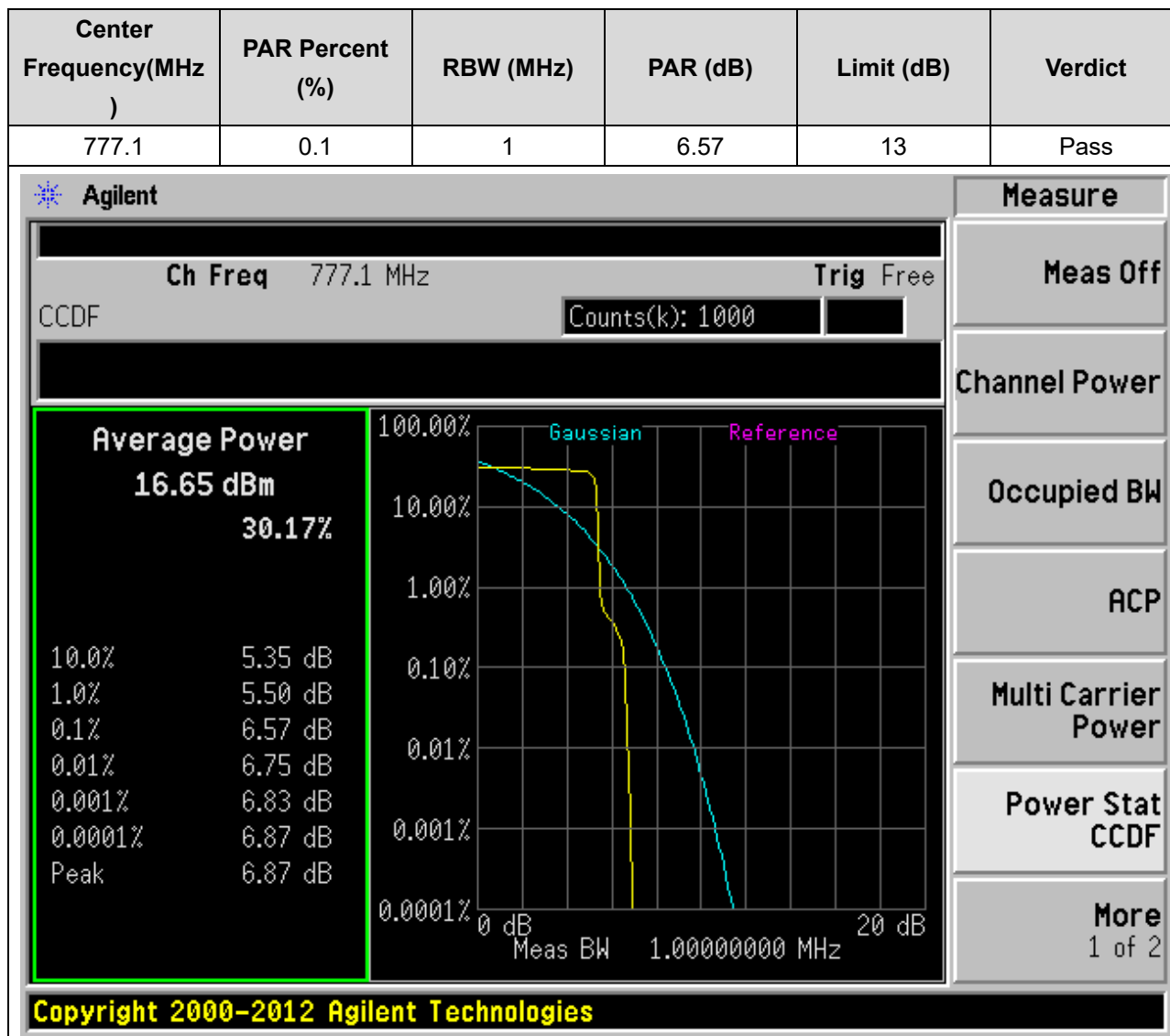
80. NB-IoT_Band13_QPSK_15kHz_1@0_Mid

80.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



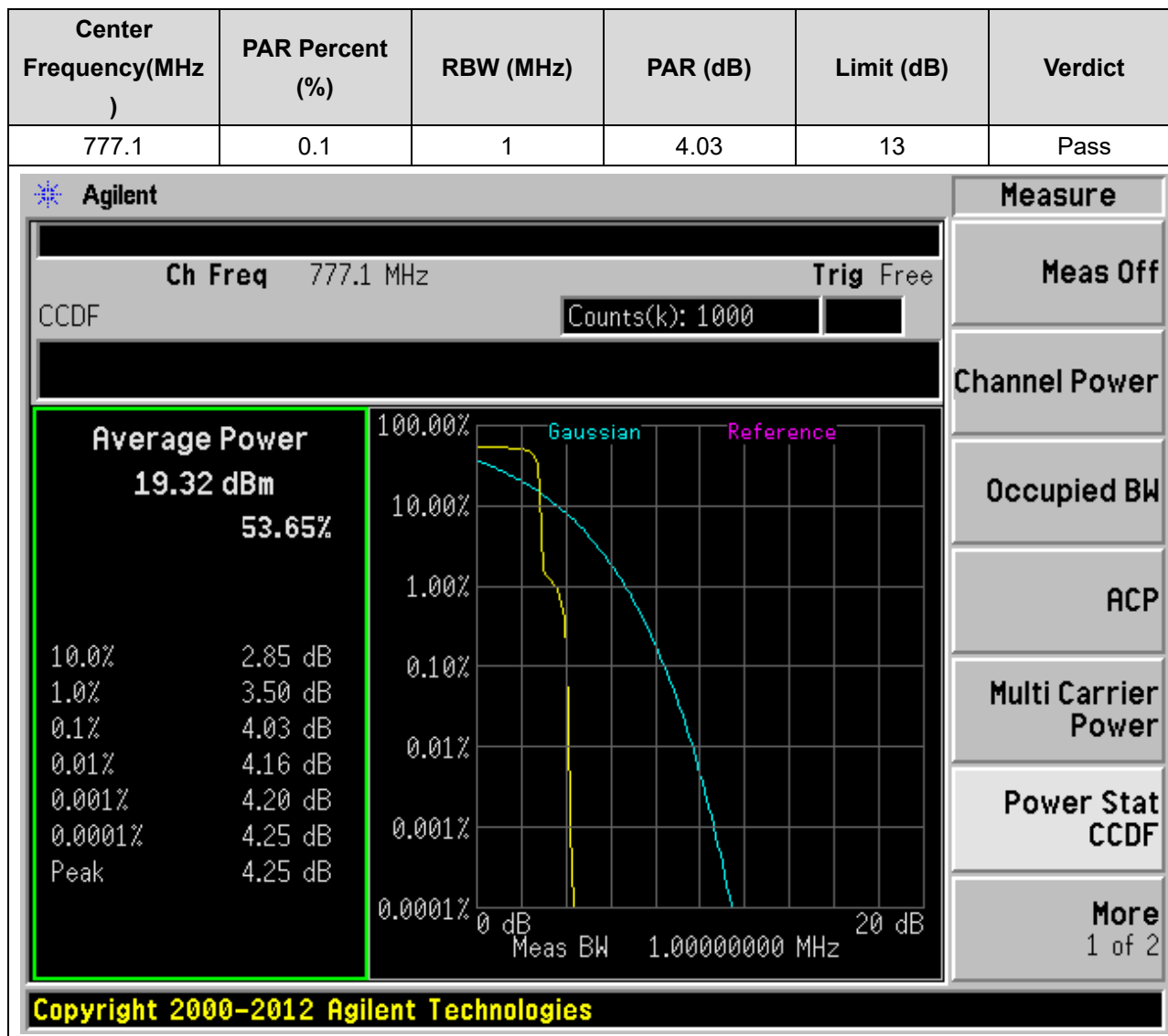
81. NB-IoT_Band13_QPSK_15kHz_1@0_Low

81.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



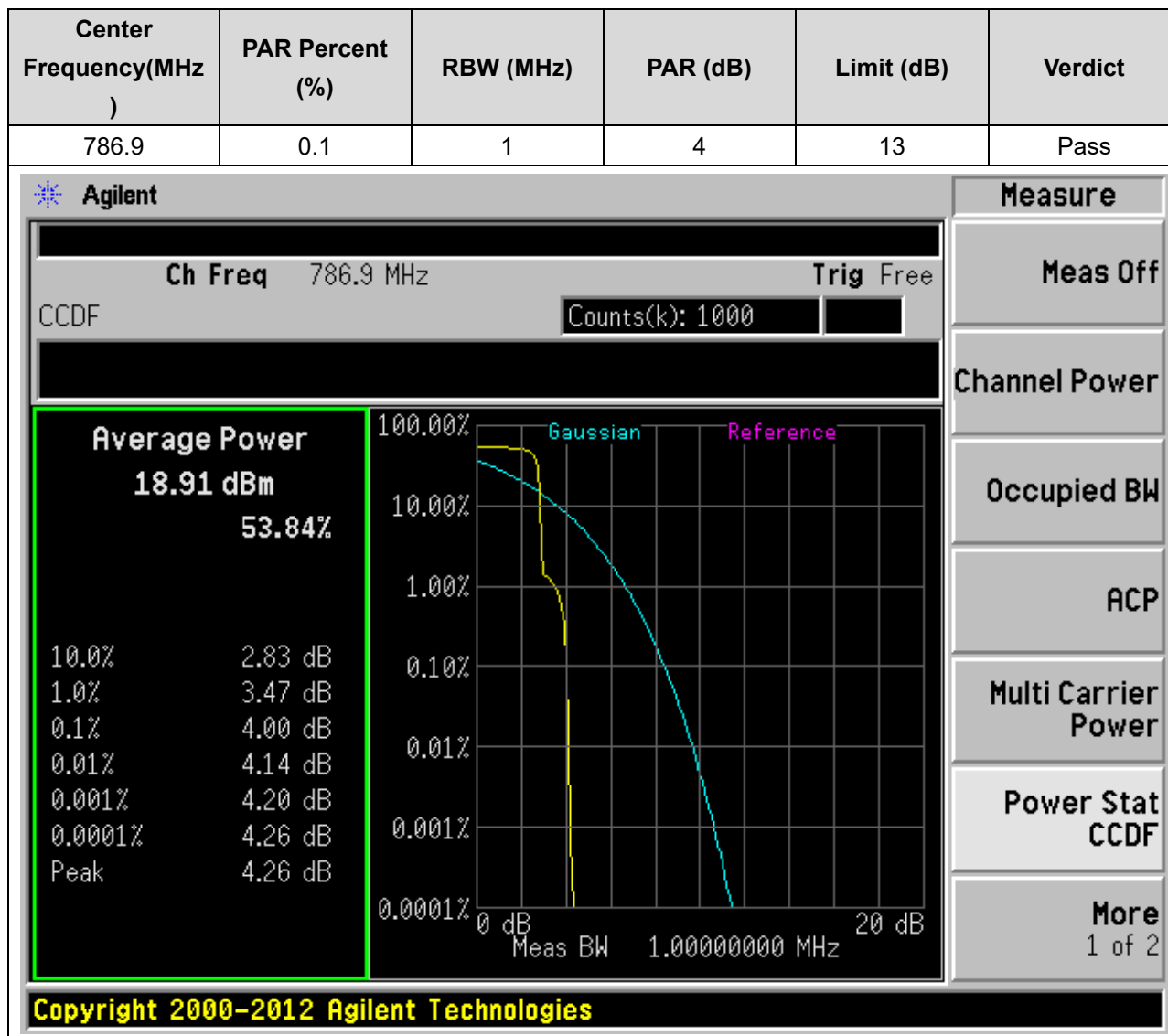
82. NB-IoT_Band13_BPSK_15kHz_1@0_Low

82.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



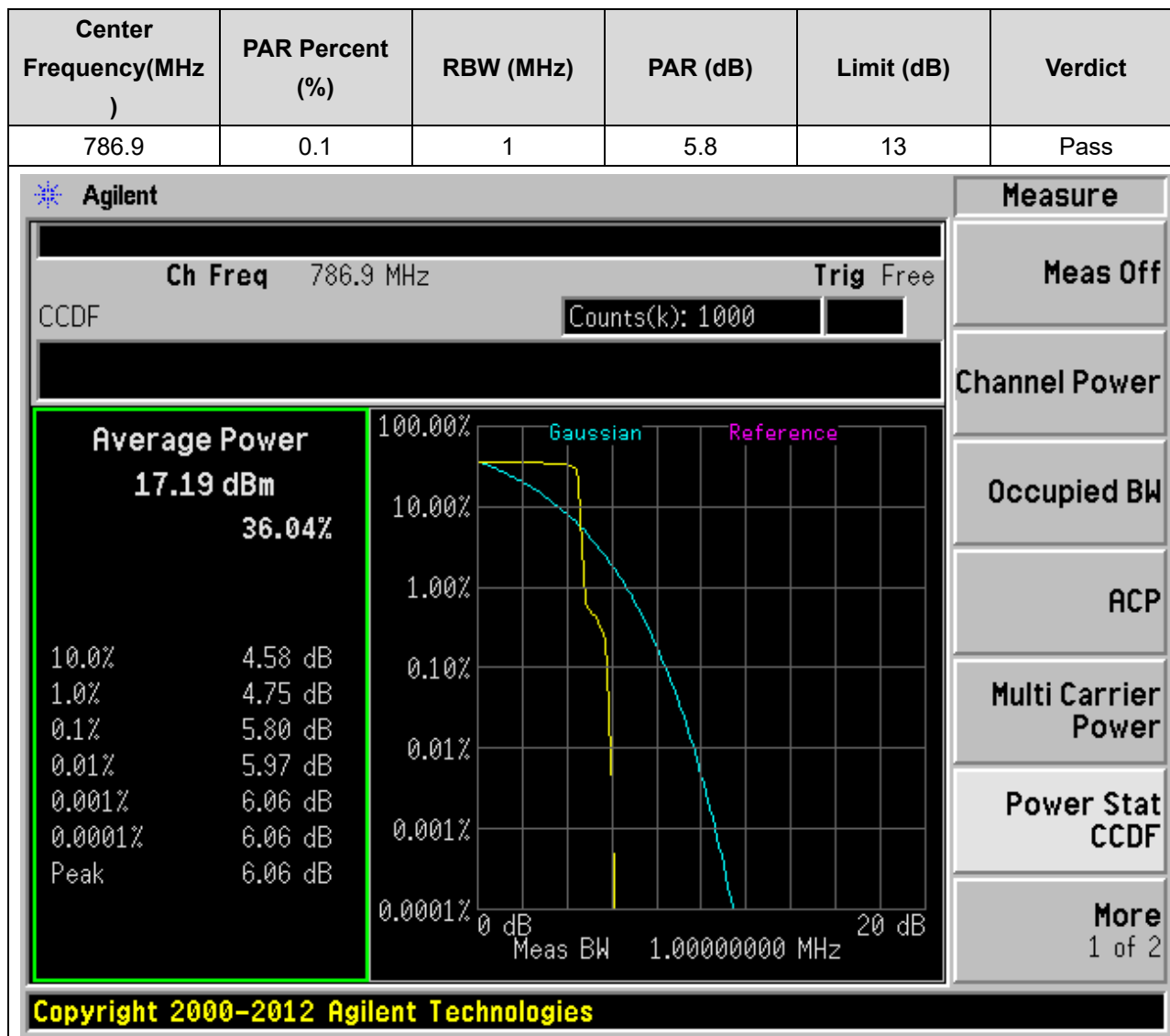
83. NB-IoT_Band13_BPSK_15kHz_1@0_High

83.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



84. NB-IoT_Band13_QPSK_15kHz_1@0_High

84.1. NB-IoT Peak to Average Ratio_Part22-24-27(NTNV)



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