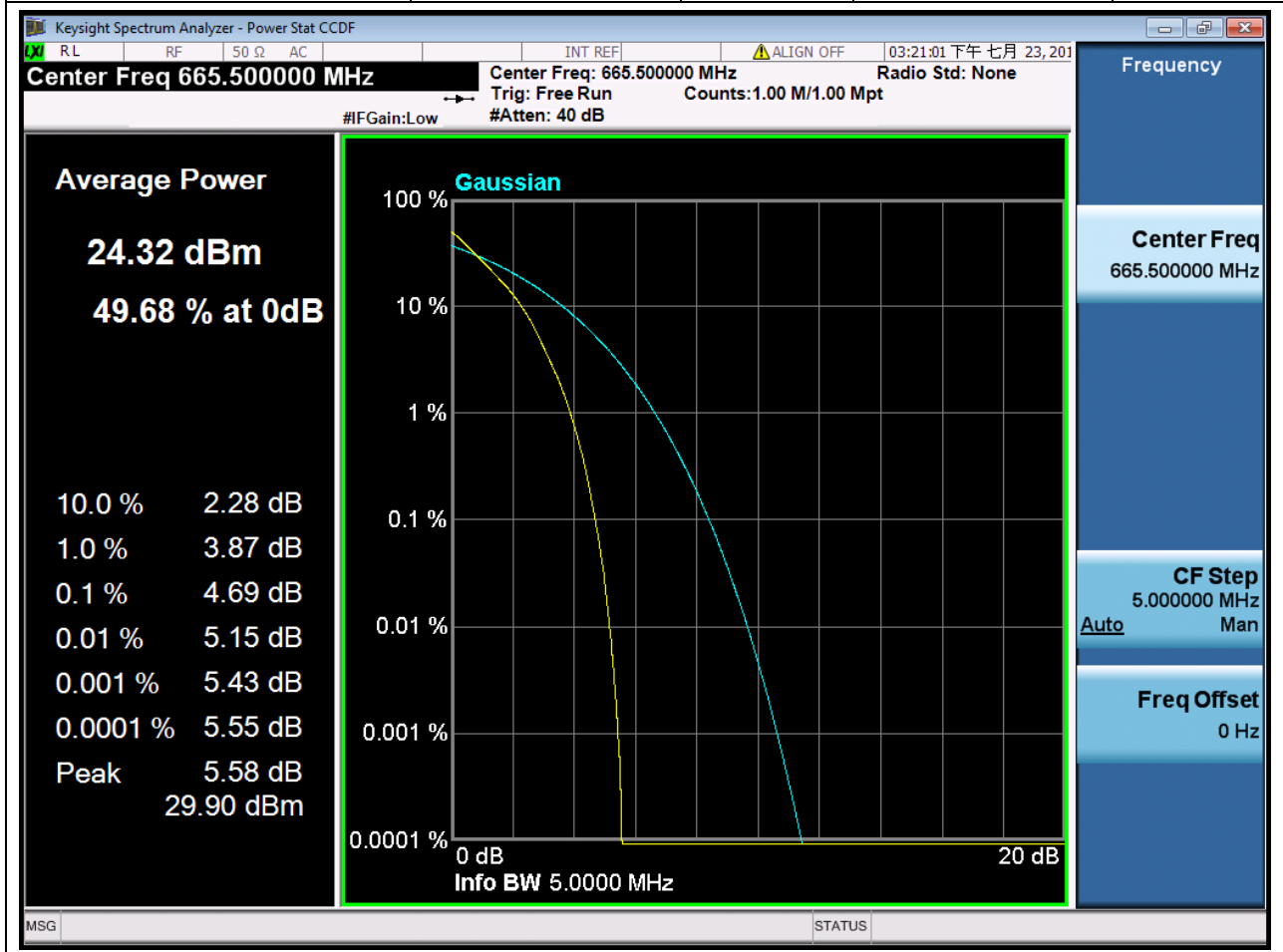


## Annex B. LTE Peak to Average Ratio

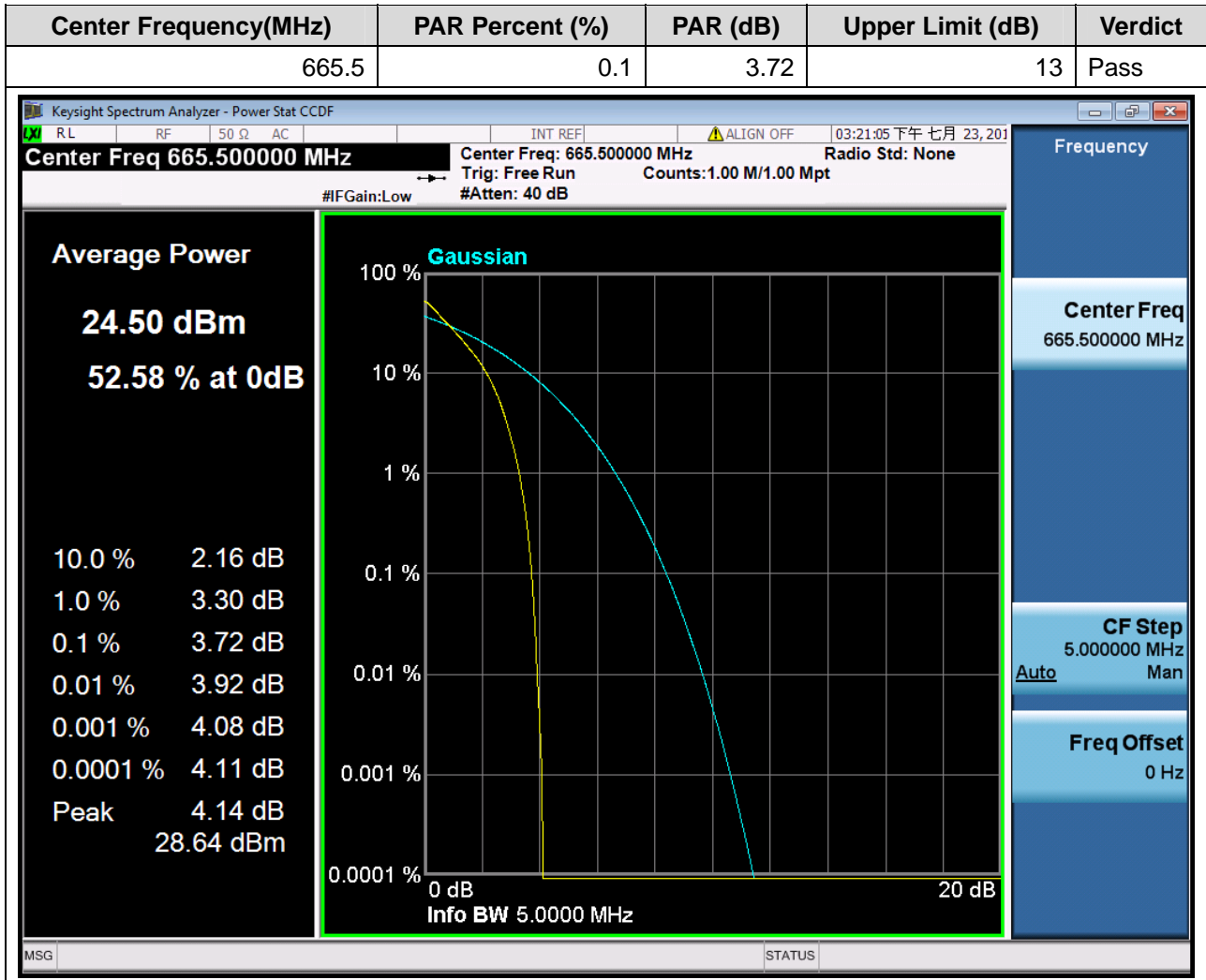
## 1. LTE\_Band71

### 1.1. LTE Peak to Average Ratio(NTNV)(Subtest:1, Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)

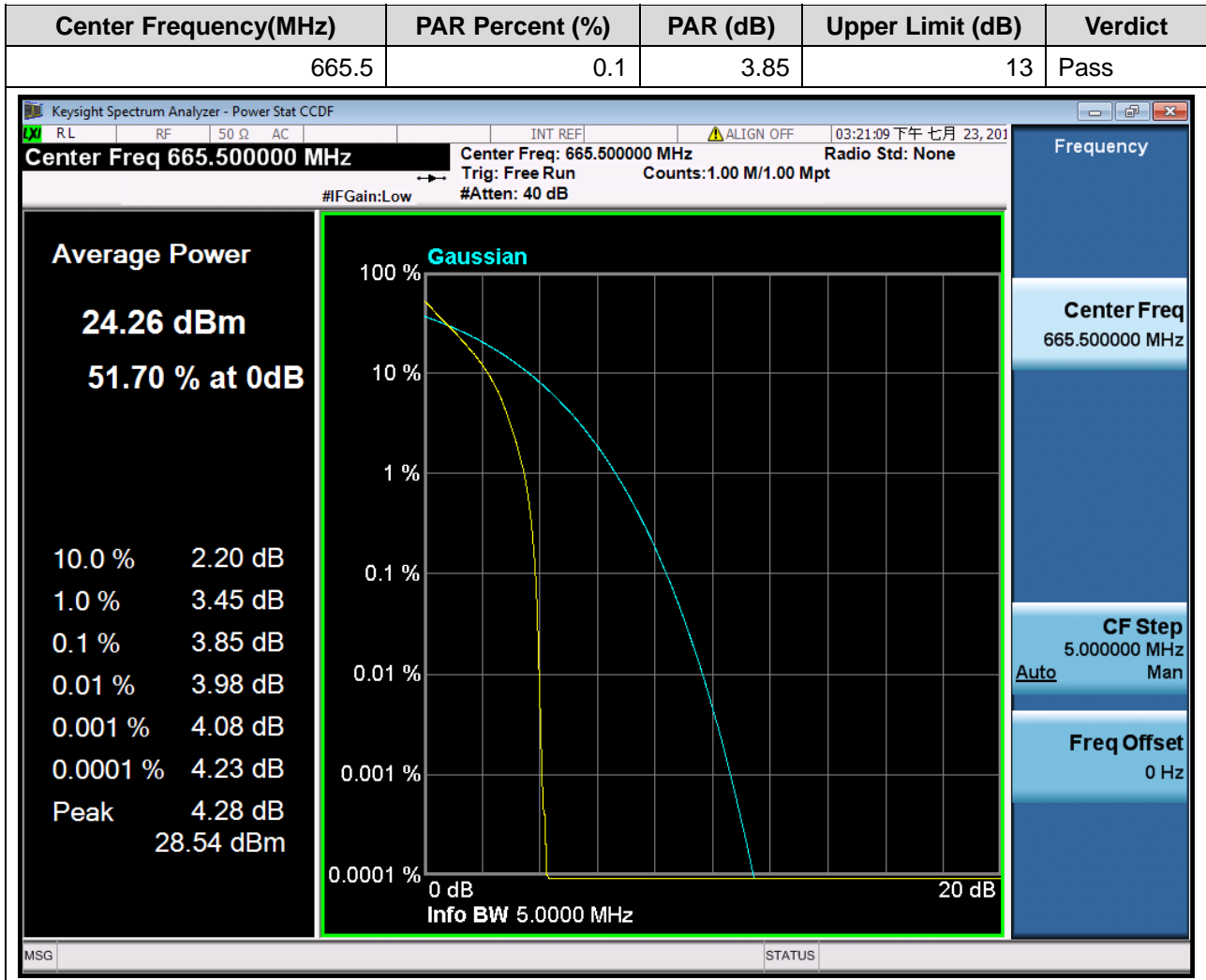
Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
665.5	0.1	4.69	13	Pass



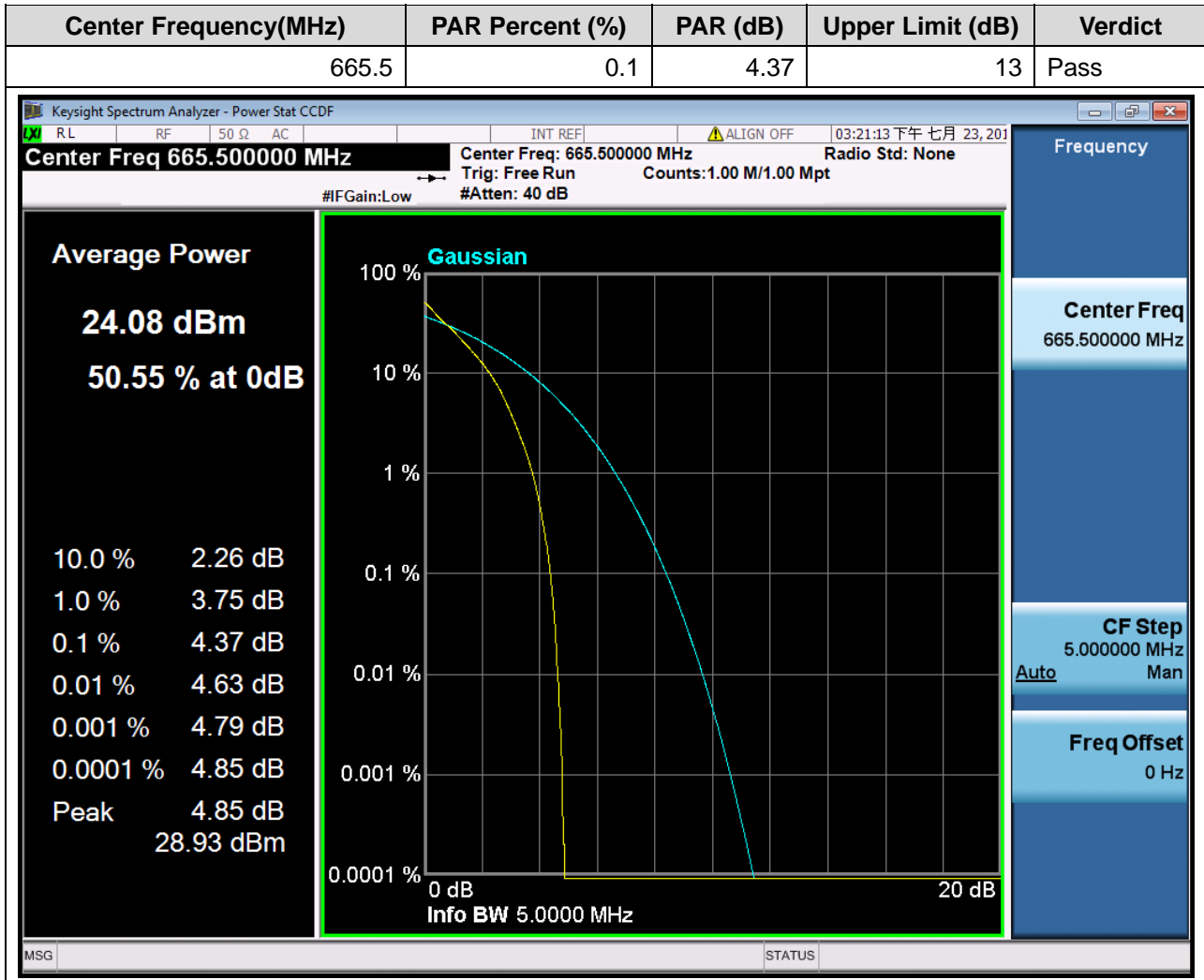
### 1.2. LTE Peak to Average Ratio(NTNV)(Subtest:2, Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:LOW)



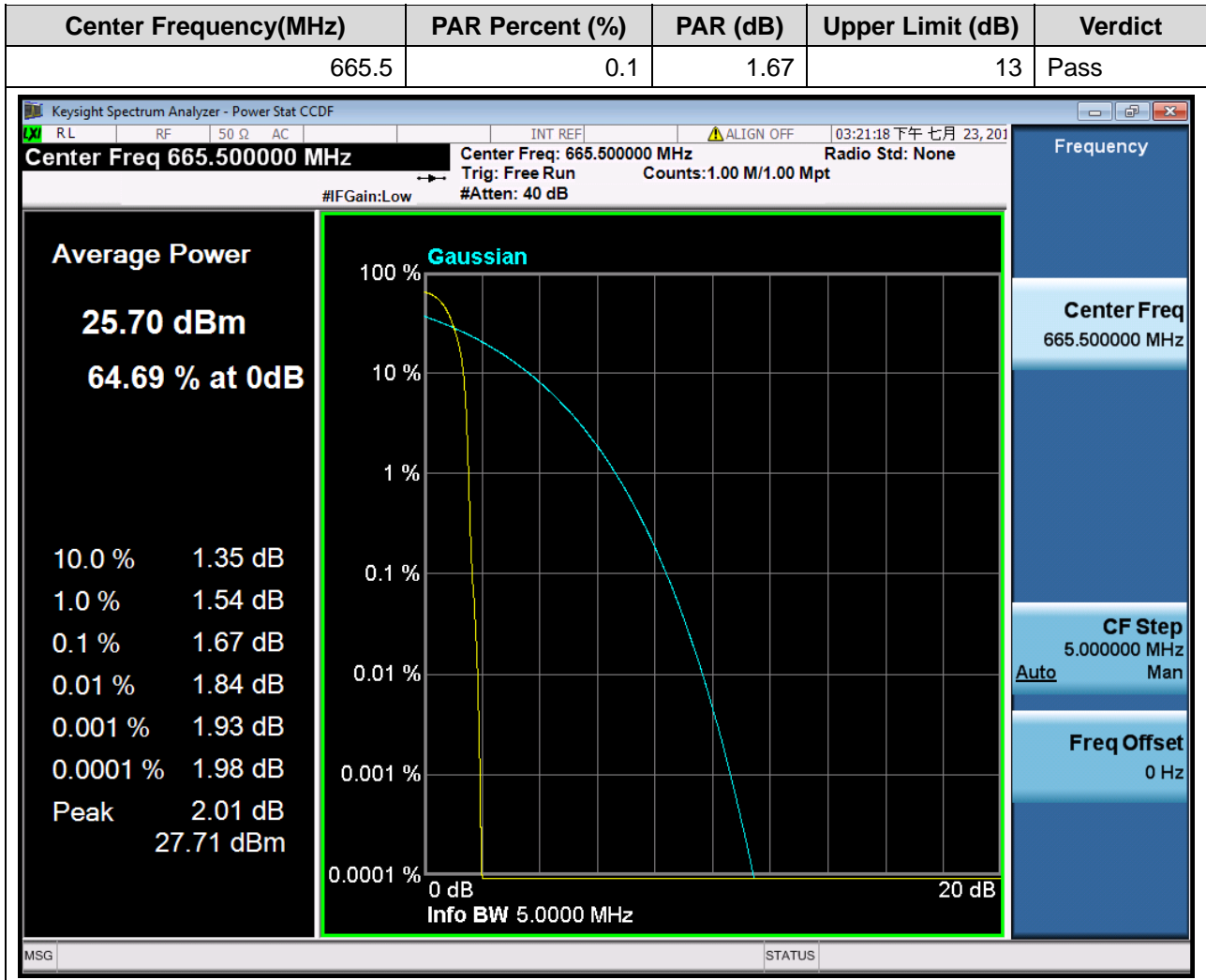
### 1.3. LTE Peak to Average Ratio(NTNV)(Subtest:3, Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)



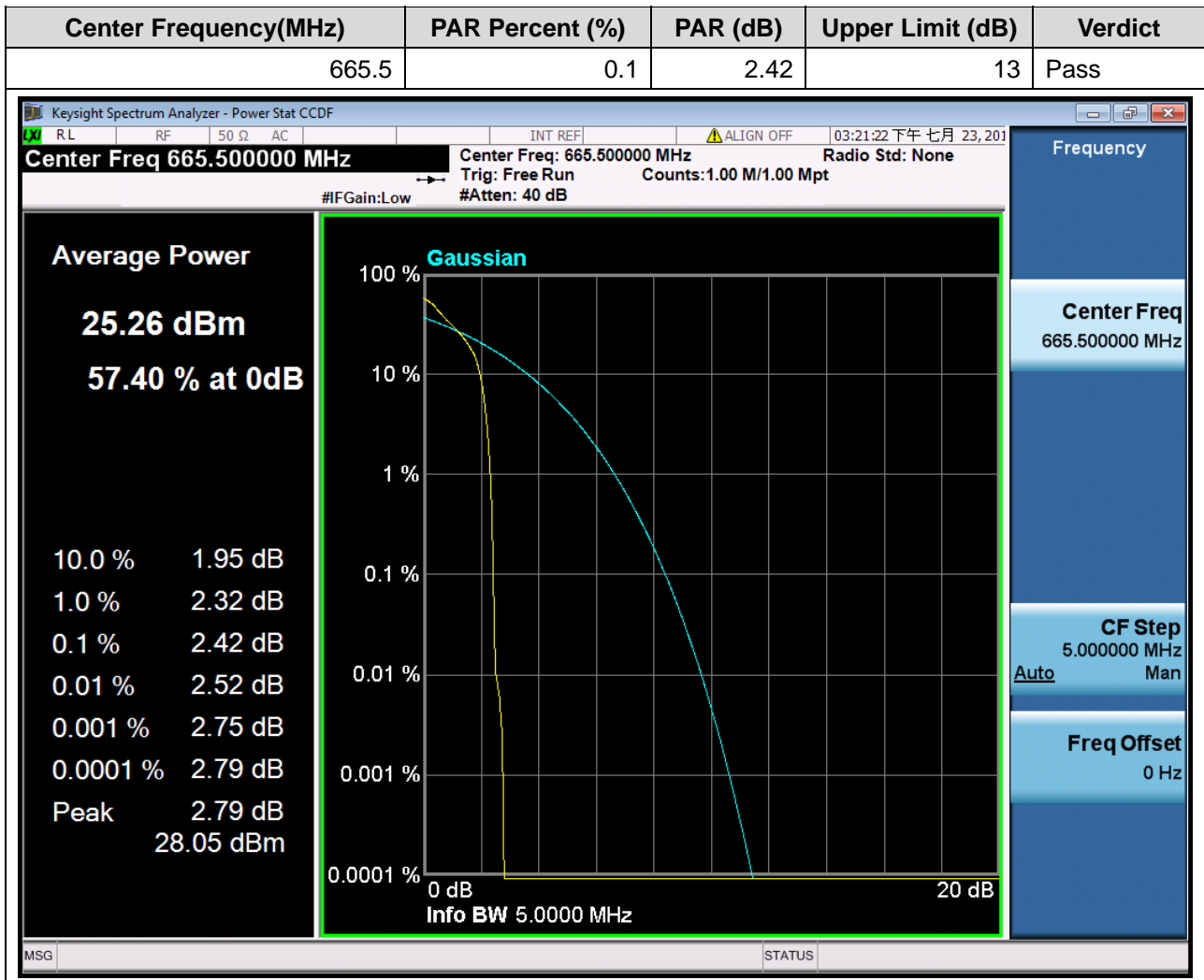
### 1.4. LTE Peak to Average Ratio(NTNV)(Subtest:4, Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:HIGH)



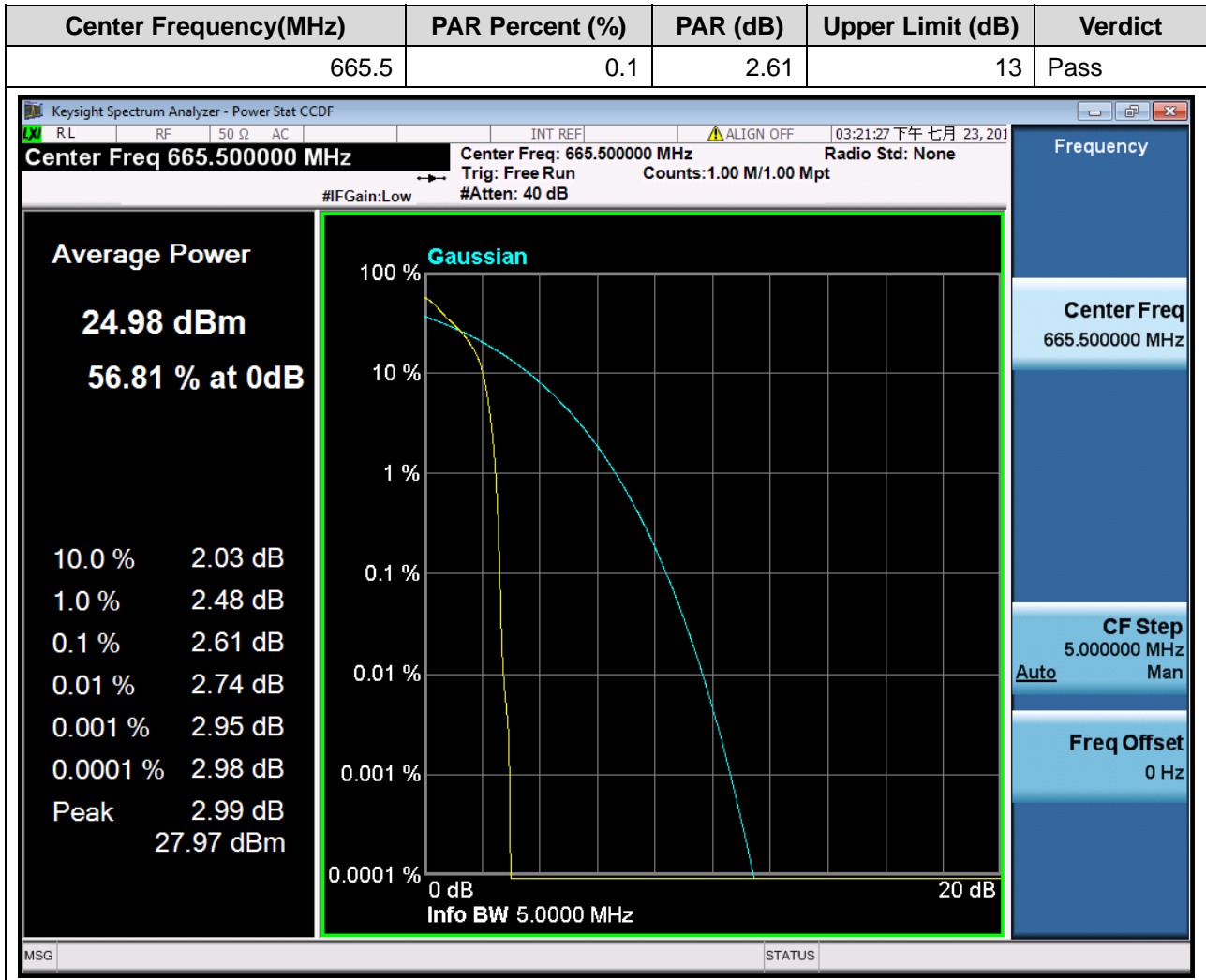
**1.5. LTE Peak to Average Ratio(NTNV)(Subtest:5, Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



**1.6. LTE Peak to Average Ratio(NTNV)(Subtest:6, Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:MID)**

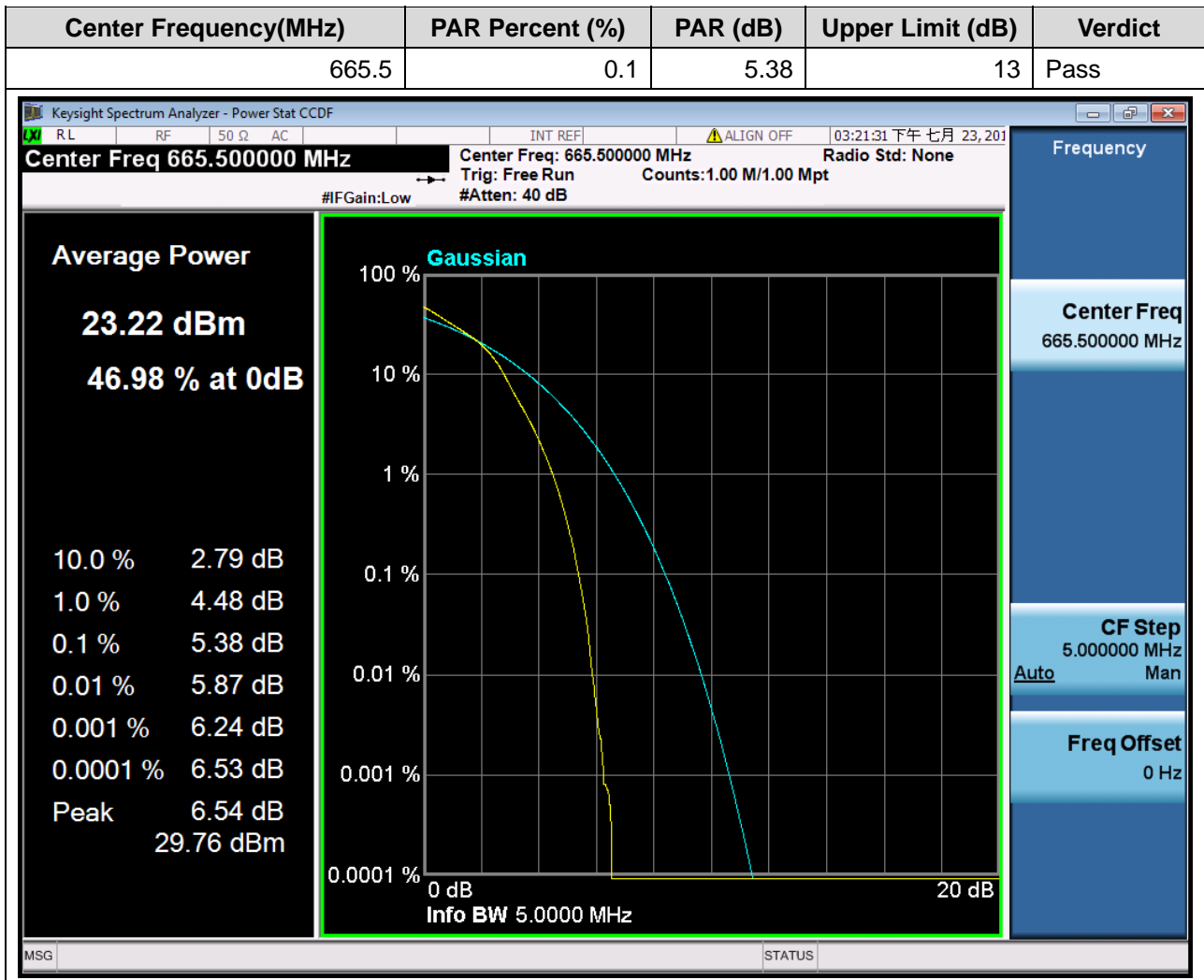


**1.7. LTE Peak to Average Ratio(NTNV)(Subtest:7, Channel:133147, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

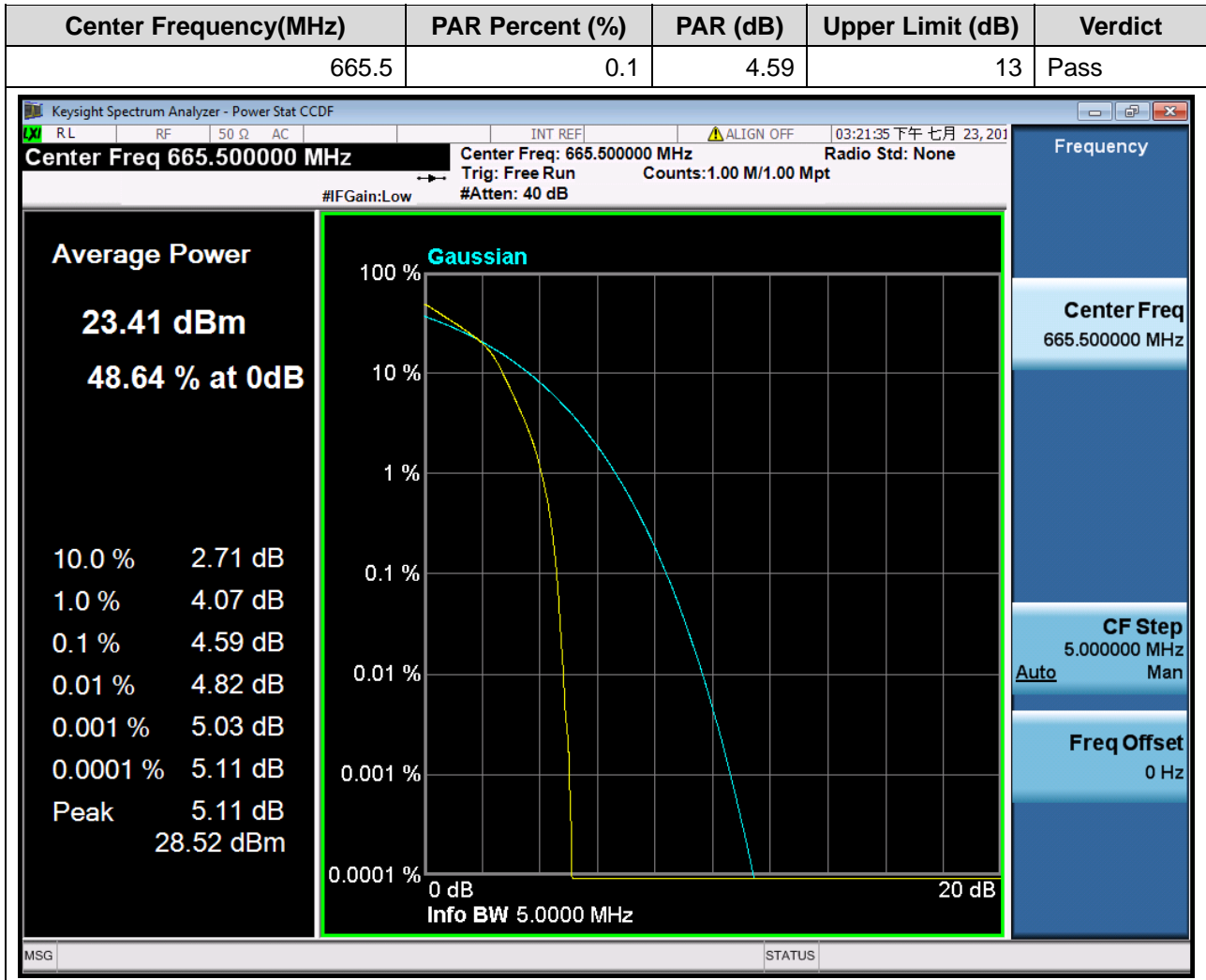




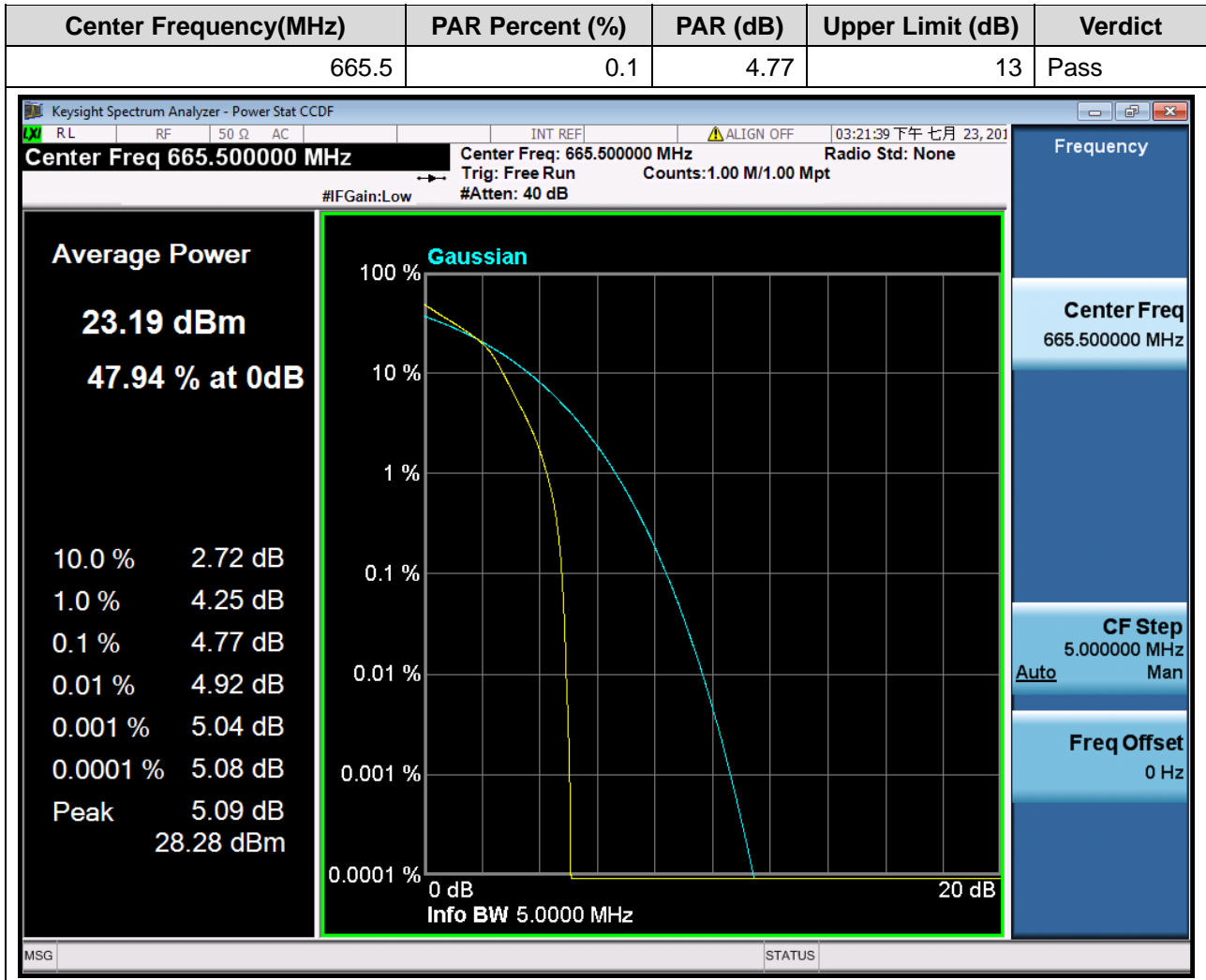
**1.8. LTE Peak to Average Ratio(NTNV)(Subtest:8, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**



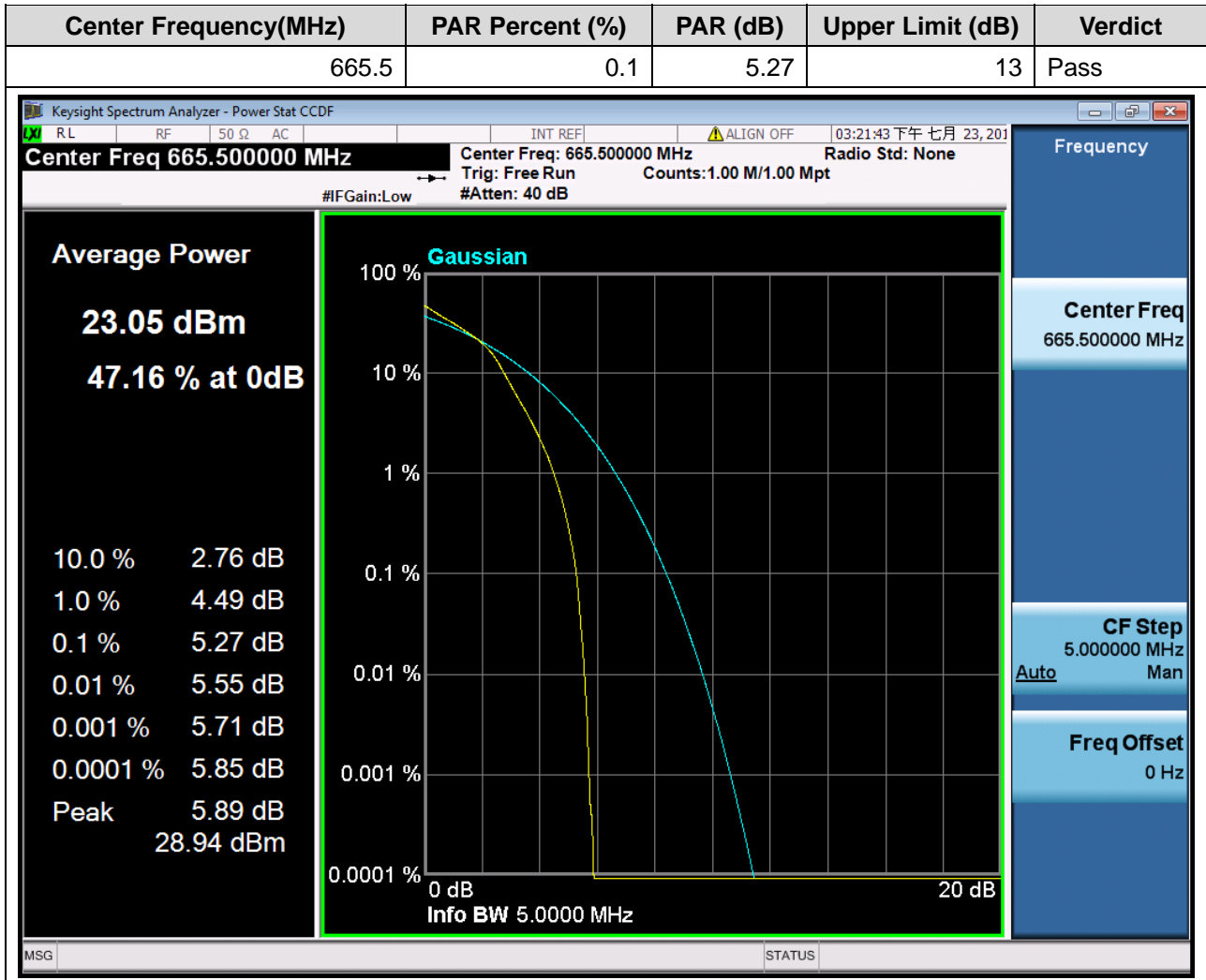
**1.9. LTE Peak to Average Ratio(NTNV)(Subtest:9, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:LOW)**



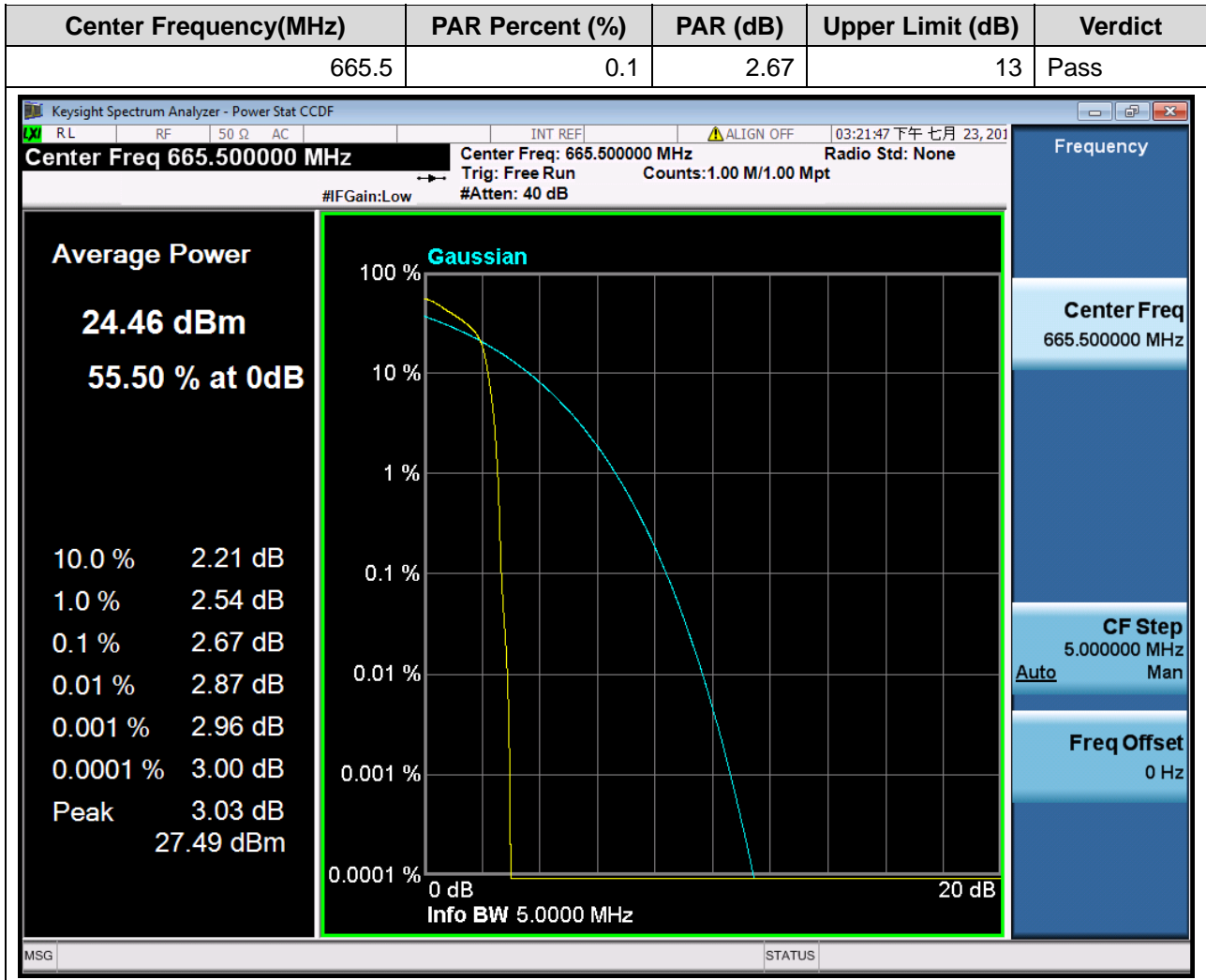
**1.10. LTE Peak to Average Ratio(NTNV)(Subtest:10, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:MID)**



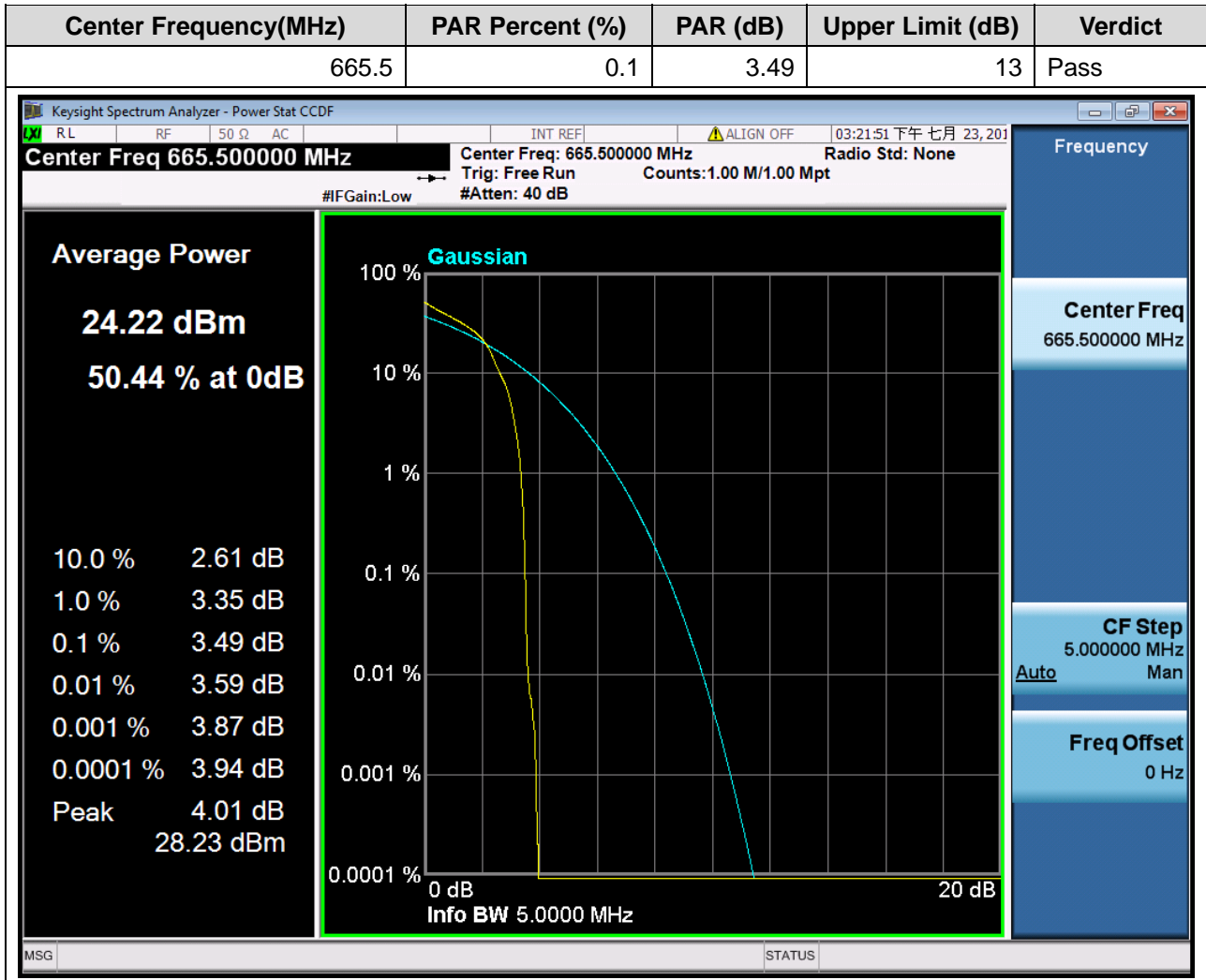
**1.11. LTE Peak to Average Ratio(NTNV)(Subtest:11, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:HIGH)**



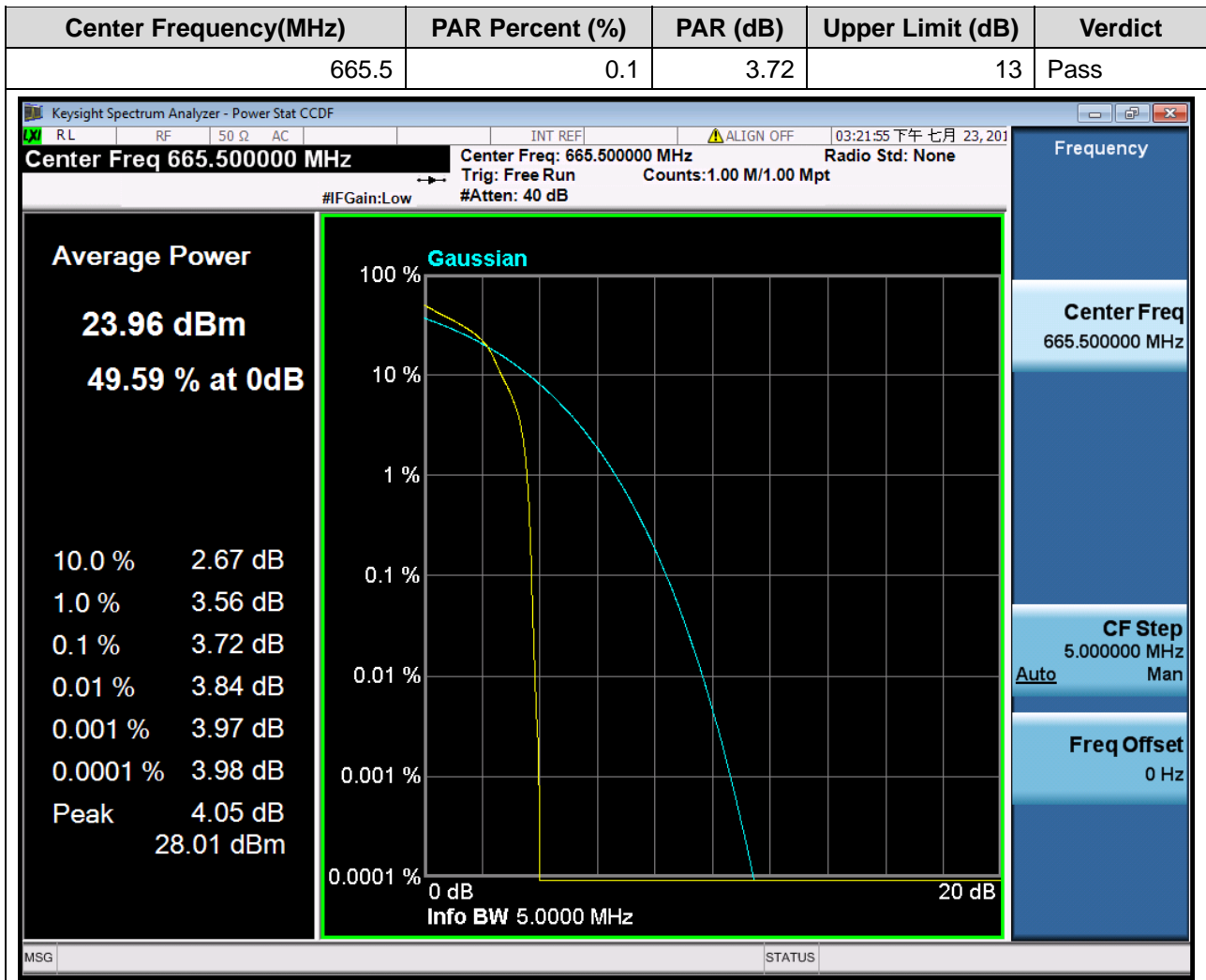
### 1.12. LTE Peak to Average Ratio(NTNV)(Subtest:12, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)



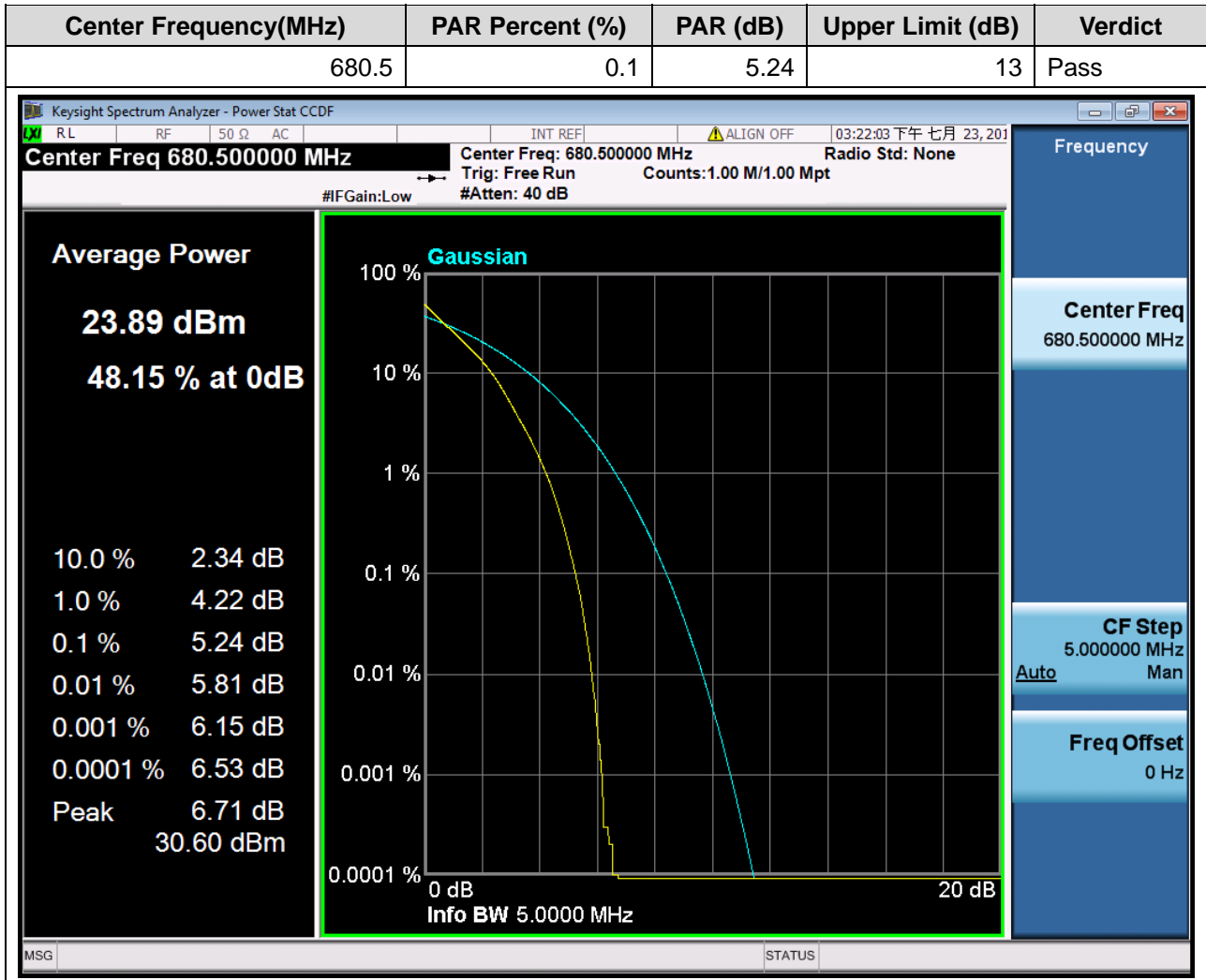
**1.13. LTE Peak to Average Ratio(NTNV)(Subtest:13, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:MID)**



### 1.14. LTE Peak to Average Ratio(NTNV)(Subtest:14, Channel:133147, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)

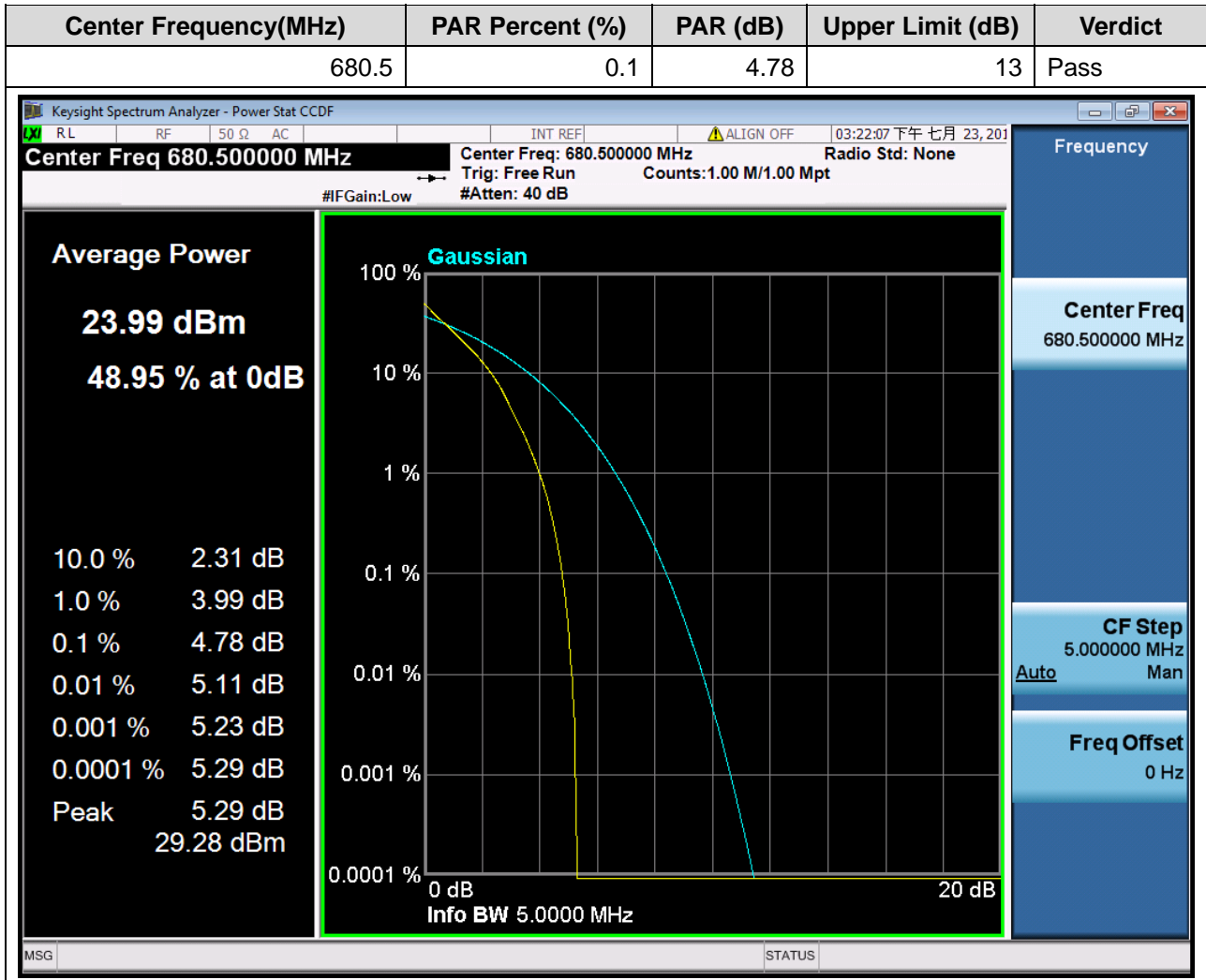


**1.15. LTE Peak to Average Ratio(NTNV)(Subtest:15, Channel:133297, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**

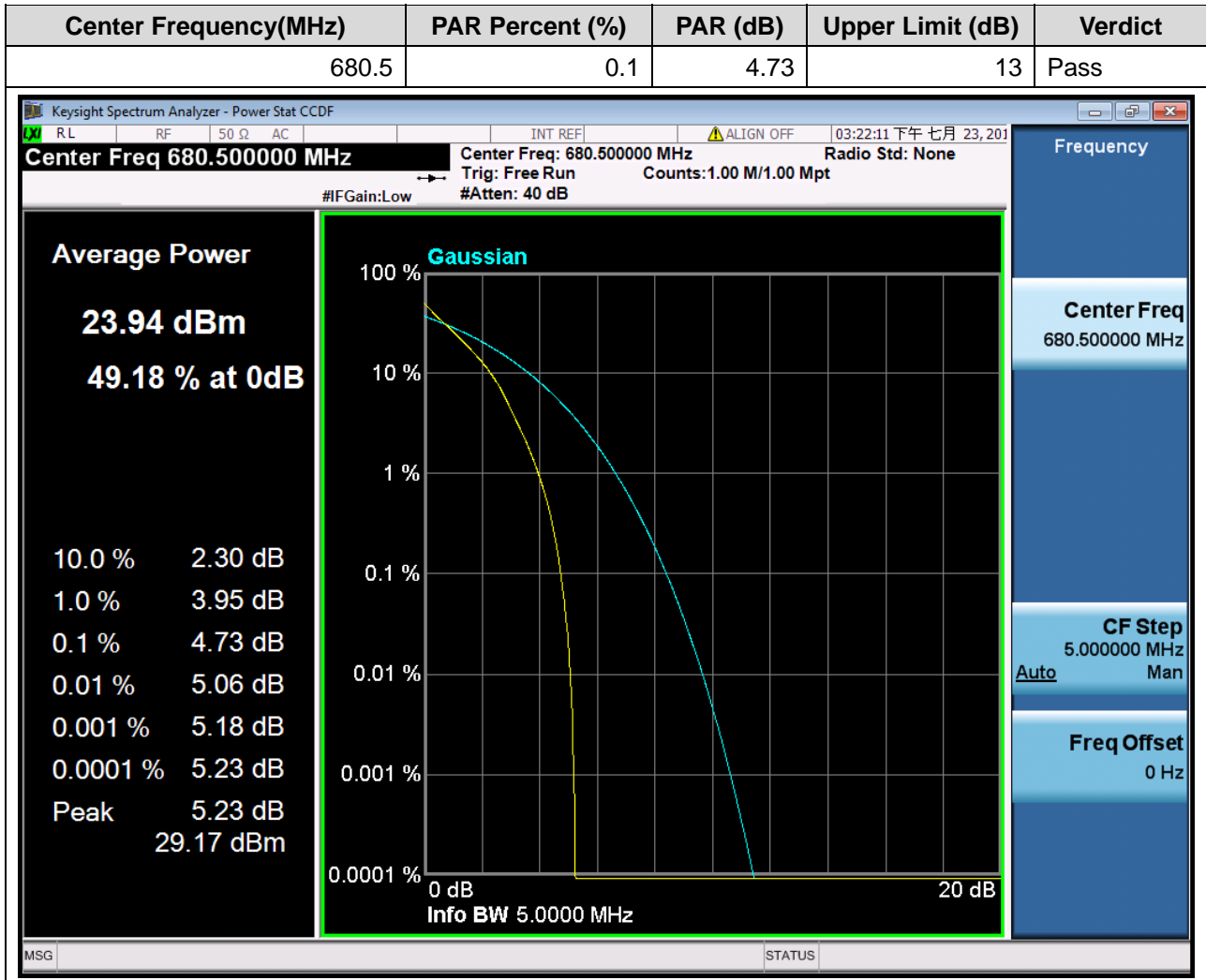




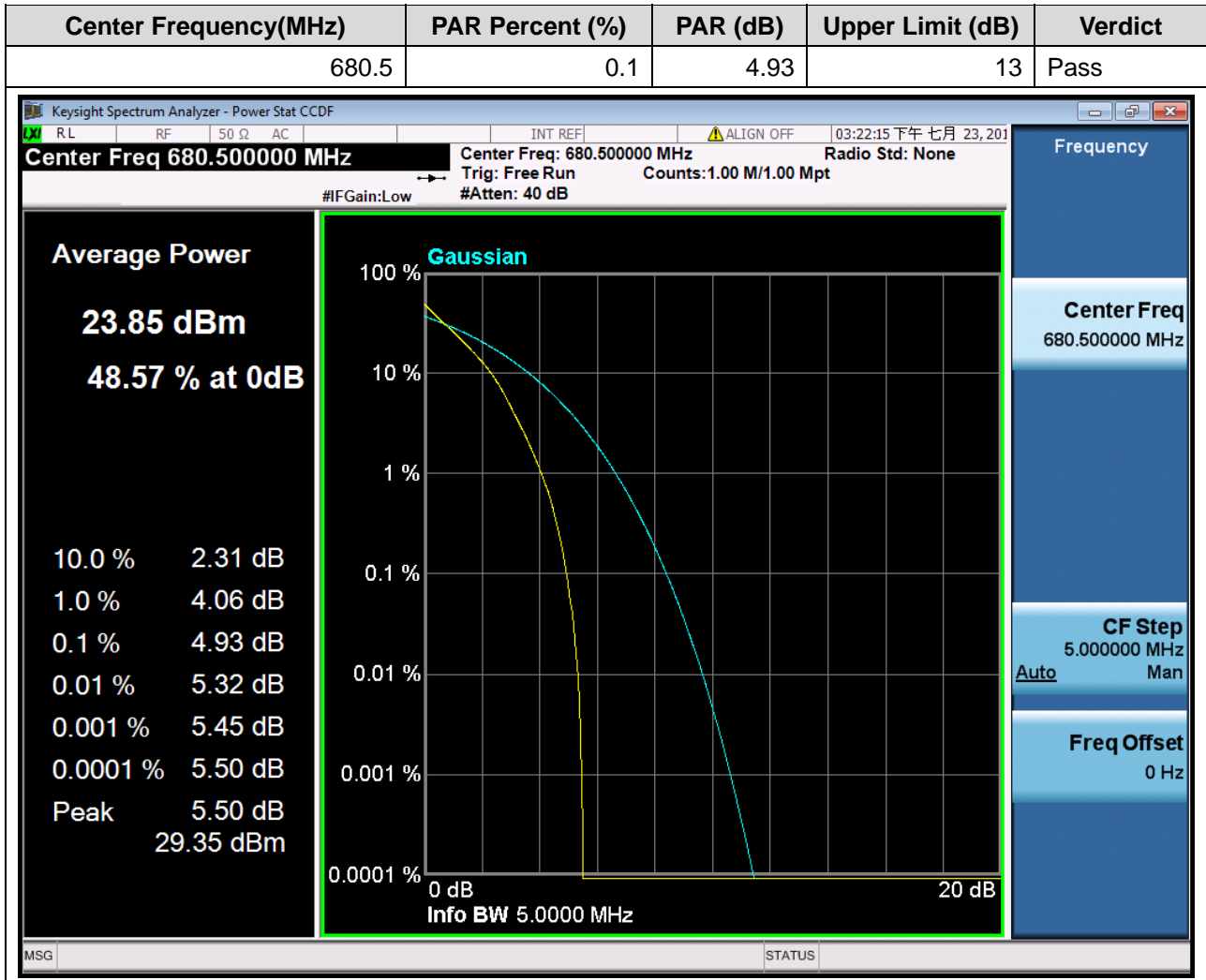
**1.16. LTE Peak to Average Ratio(NTNV)(Subtest:16, Channel:133297, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:LOW)**



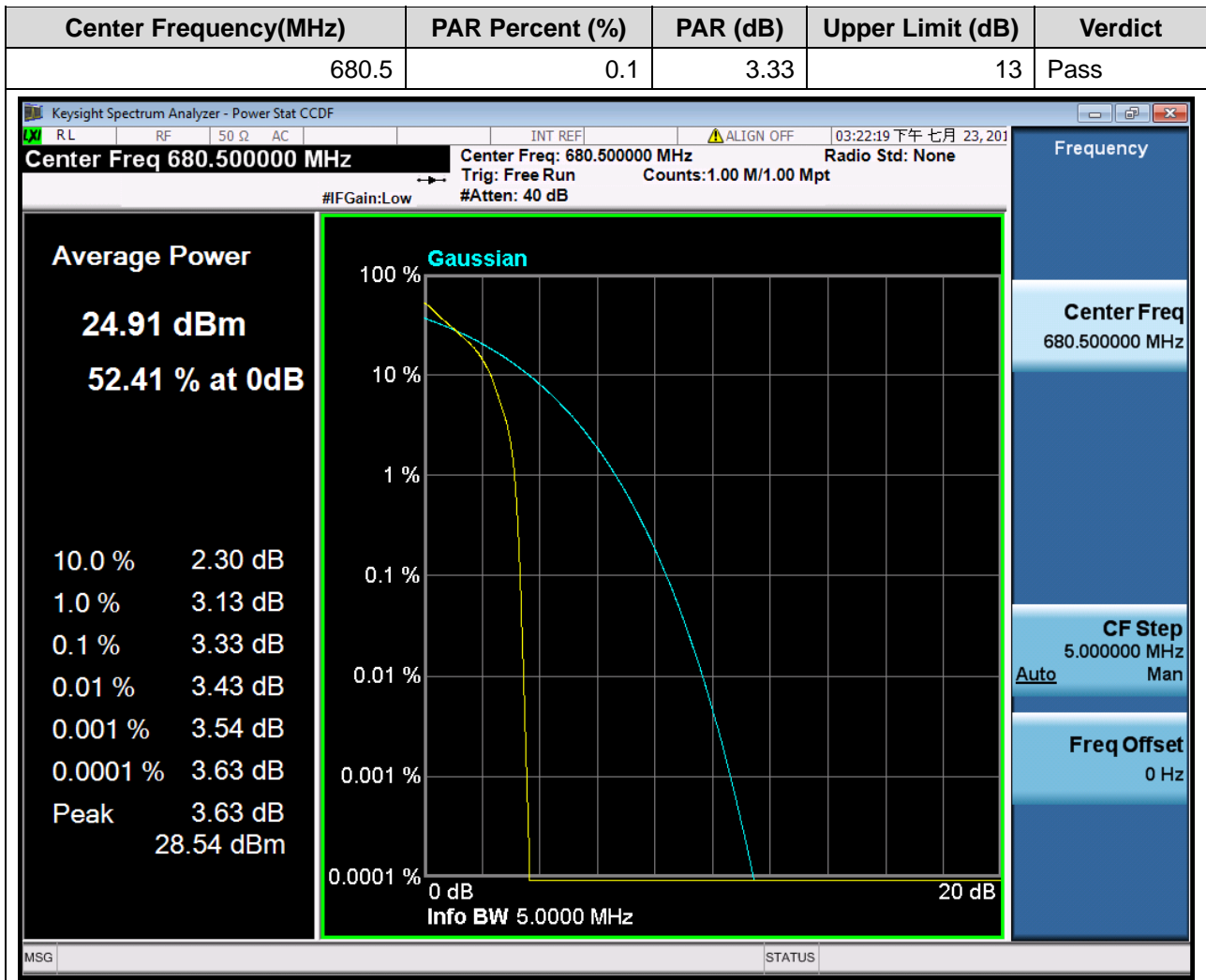
**1.17. LTE Peak to Average Ratio(NTNV)(Subtest:17, Channel:133297, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)**



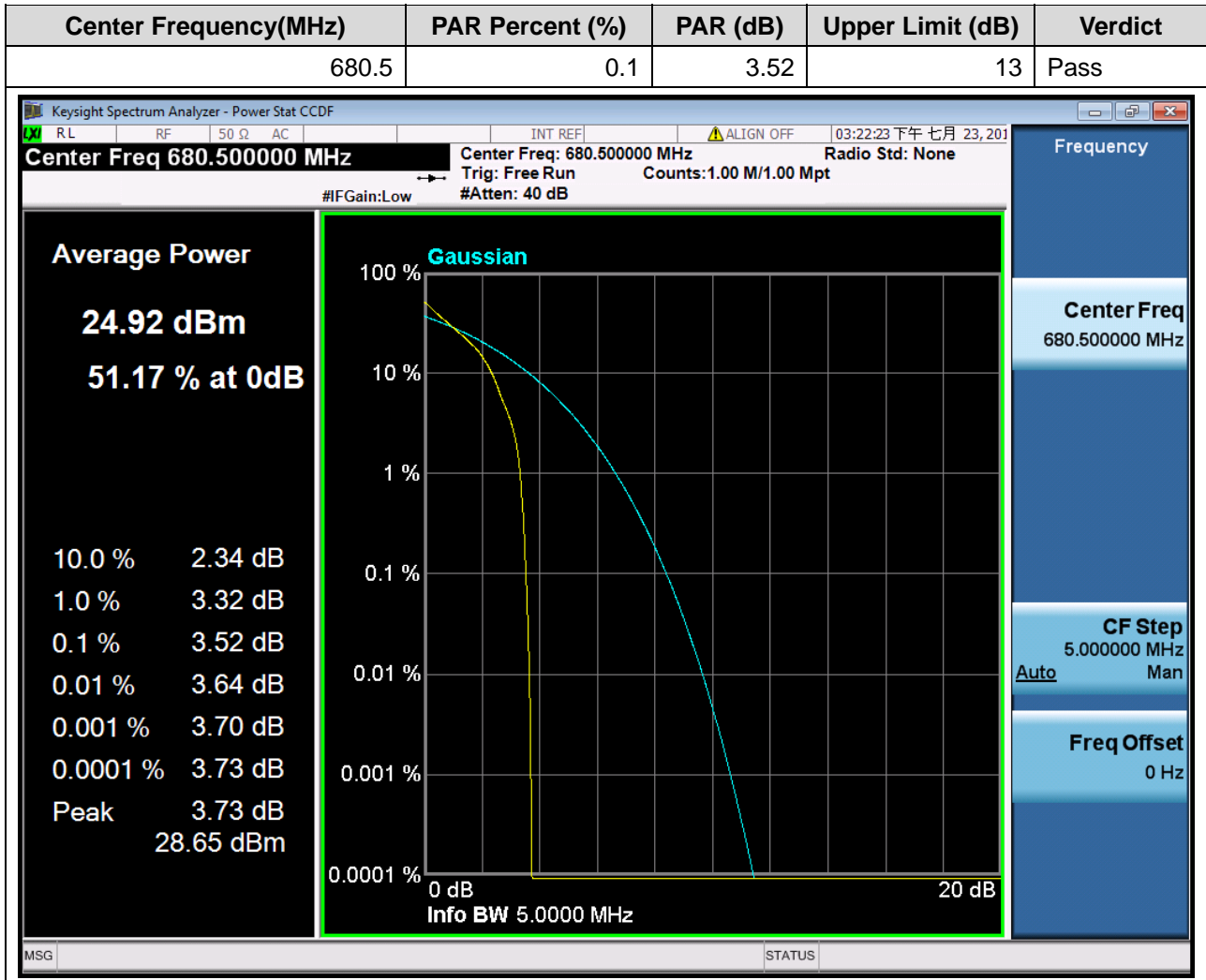
**1.18. LTE Peak to Average Ratio(NTNV)(Subtest:18, Channel:133297, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:HIGH)**



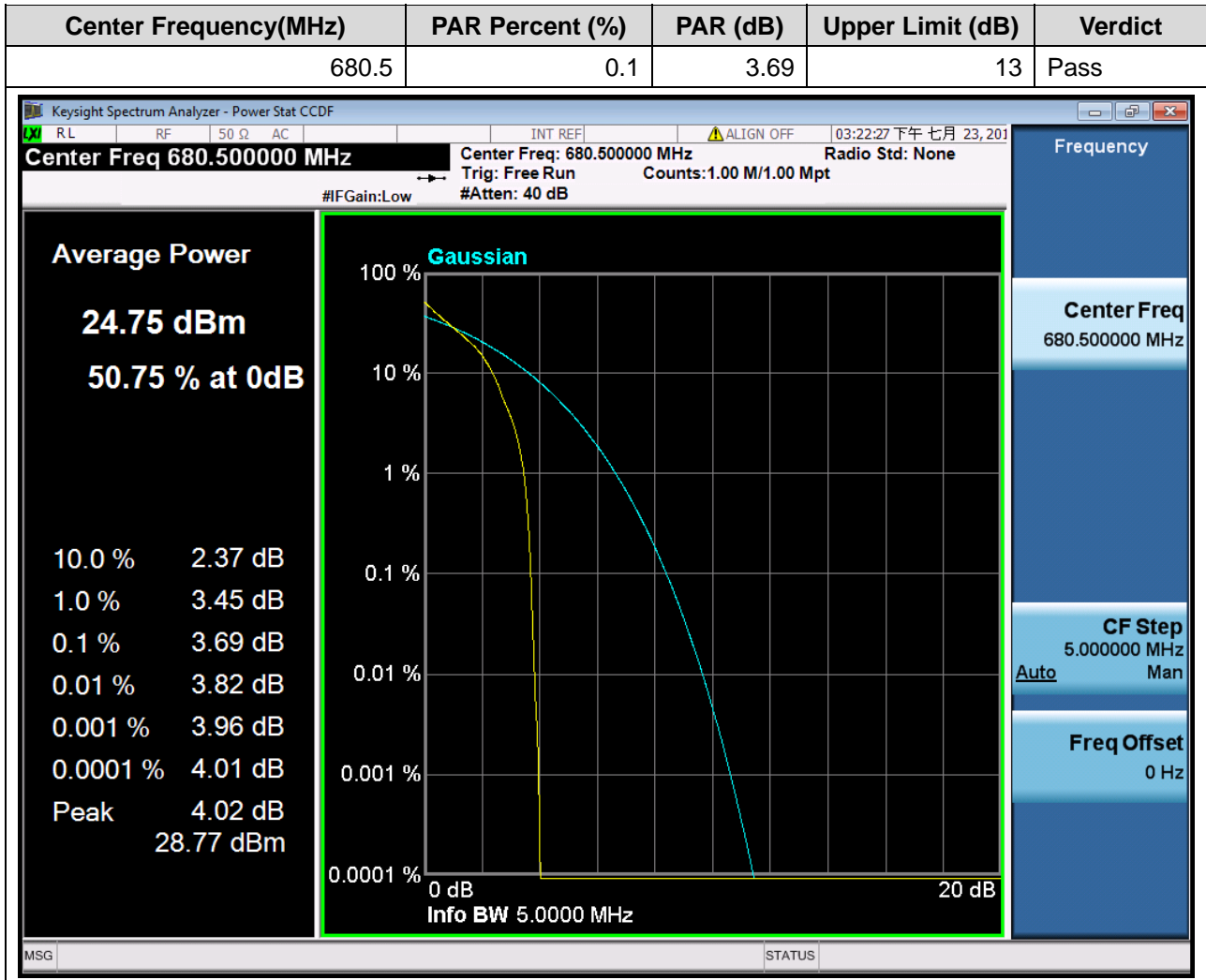
**1.19. LTE Peak to Average Ratio(NTNV)(Subtest:19, Channel:133297, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



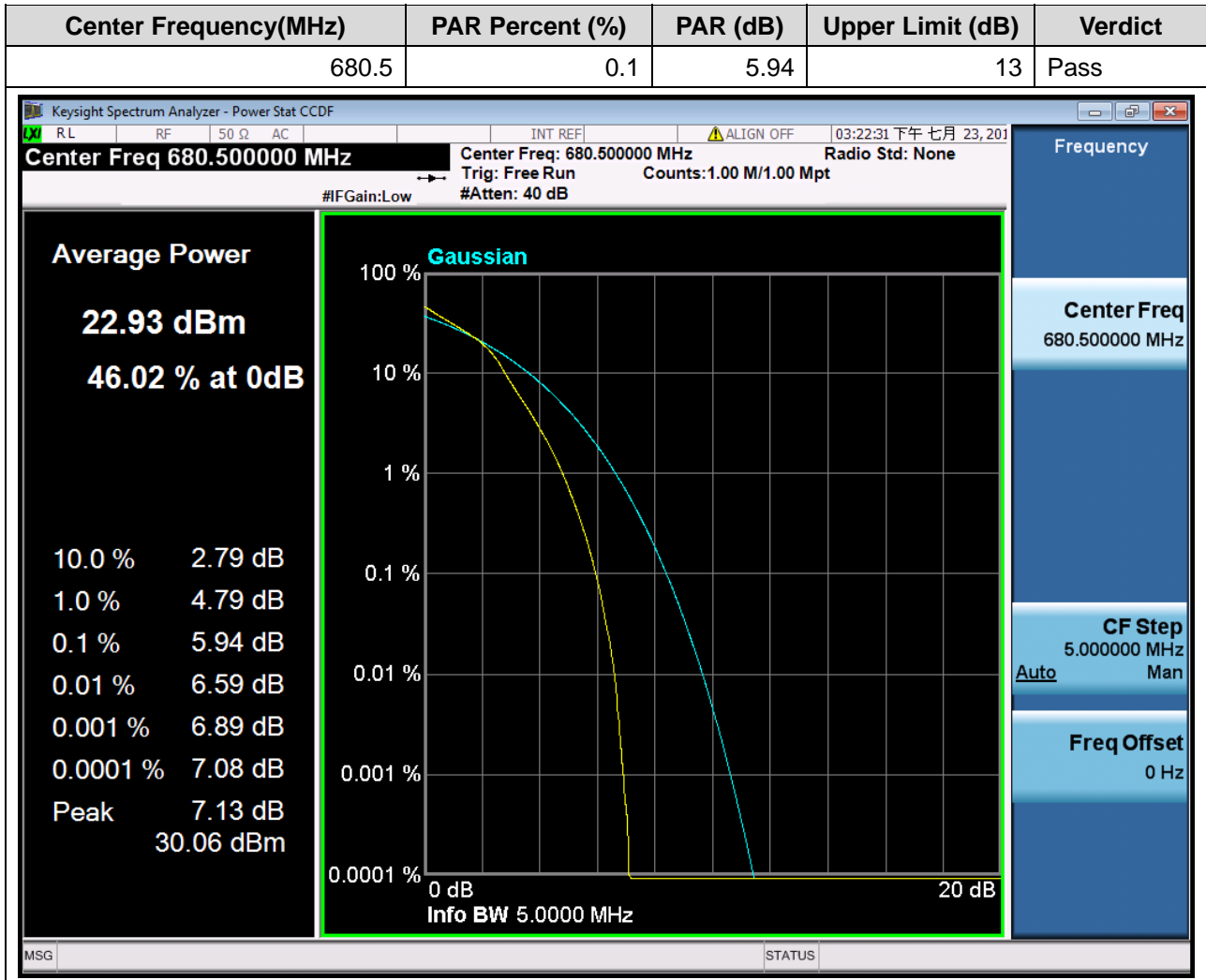
**1.20. LTE Peak to Average Ratio(NTNV)(Subtest:20, Channel:133297, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:MID)**



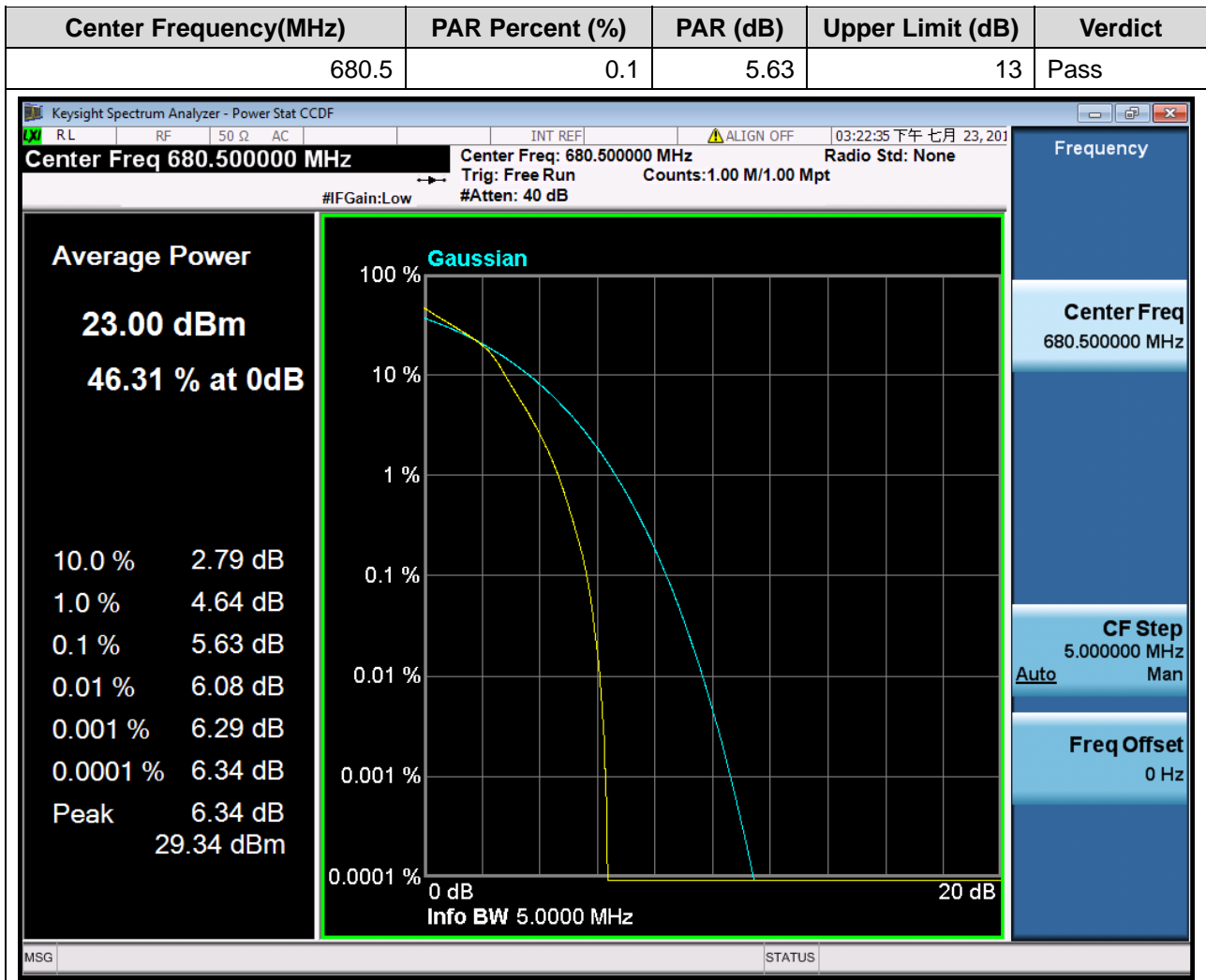
**1.21. LTE Peak to Average Ratio(NTNV)(Subtest:21, Channel:133297, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**



### 1.22. LTE Peak to Average Ratio(NTNV)(Subtest:22, Channel:133297, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)

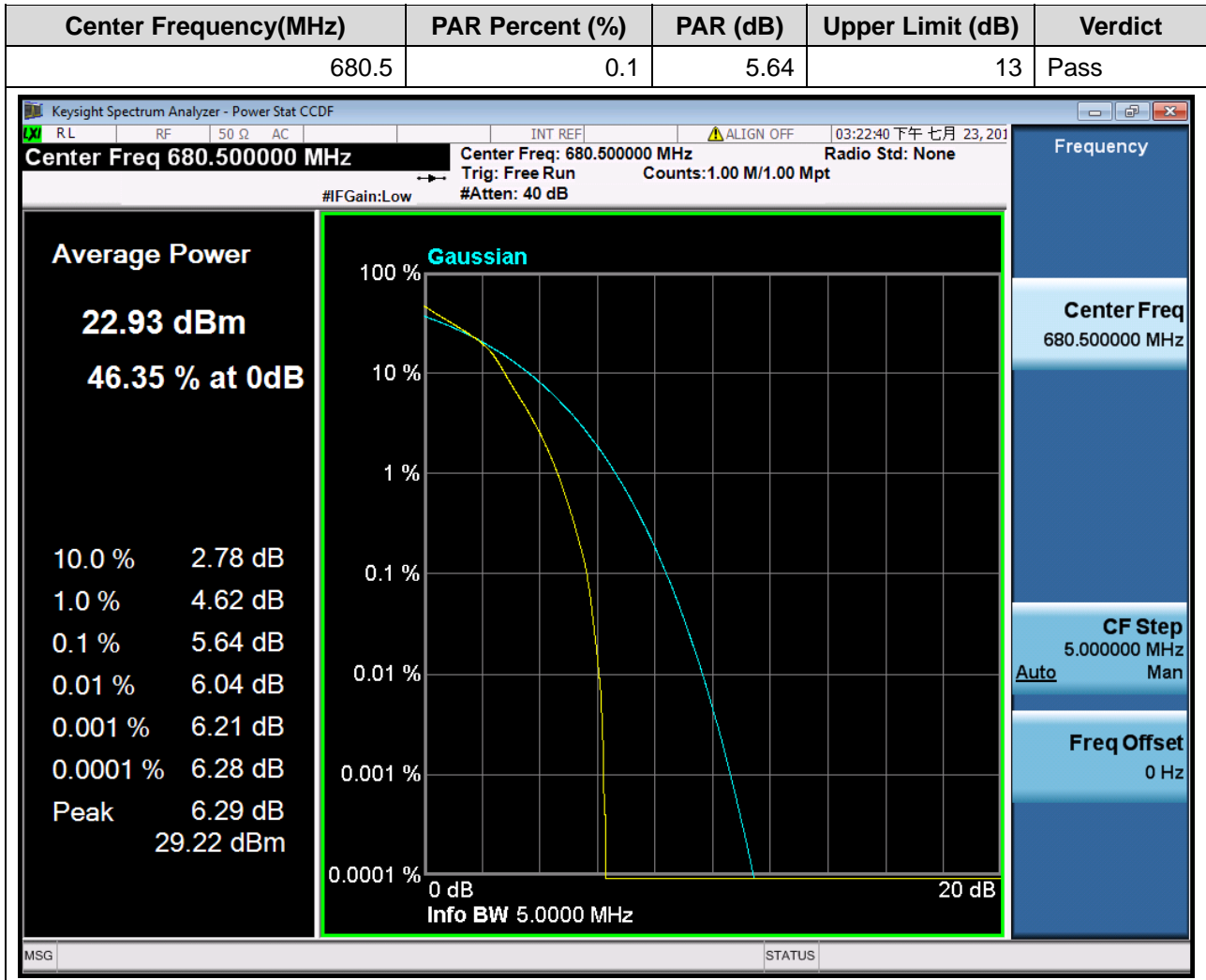


### 1.23. LTE Peak to Average Ratio(NTNV)(Subtest:23, Channel:133297, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:LOW)

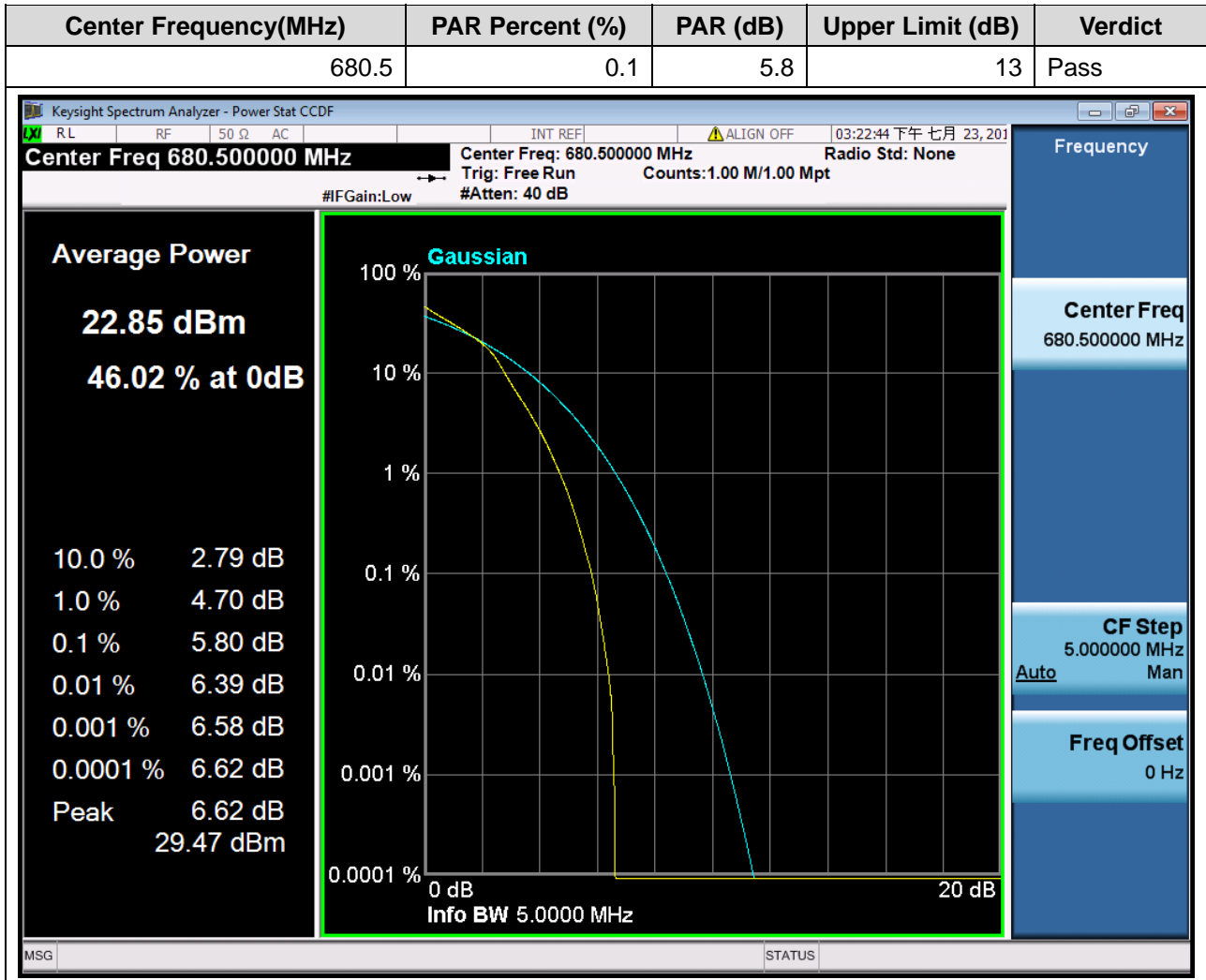




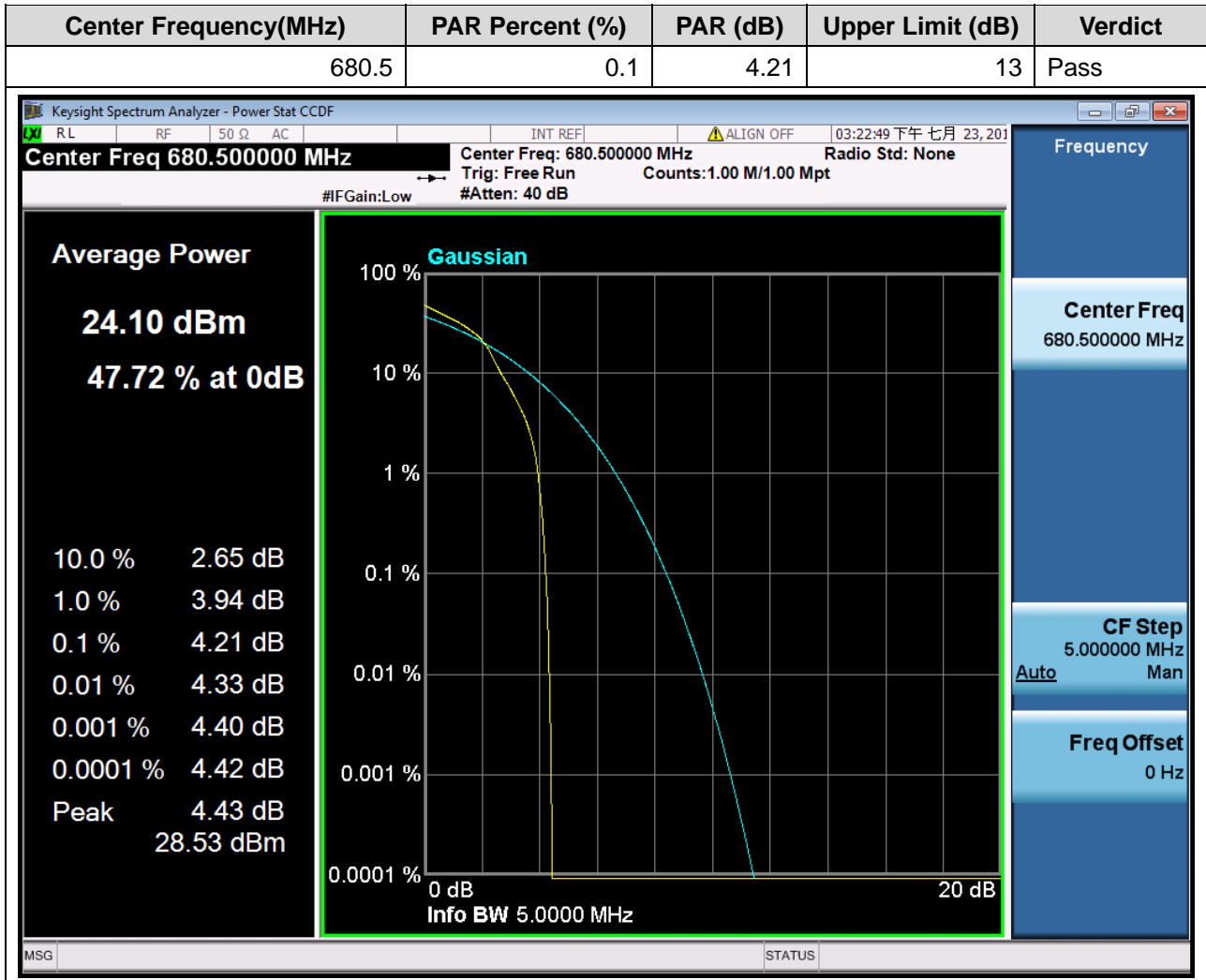
### 1.24. LTE Peak to Average Ratio(NTNV)(Subtest:24, Channel:133297, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:MID)



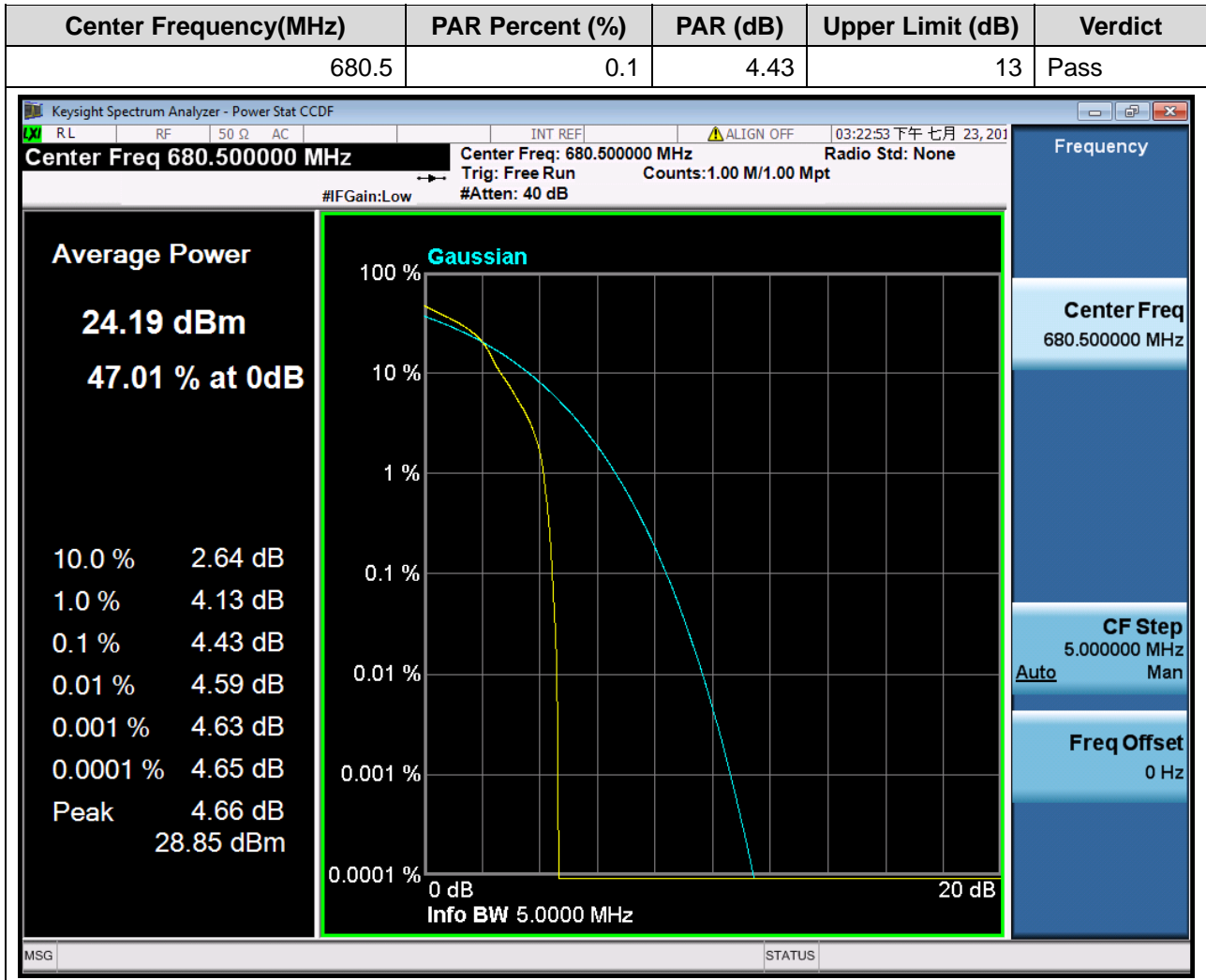
**1.25. LTE Peak to Average Ratio(NTNV)(Subtest:25, Channel:133297, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:HIGH)**



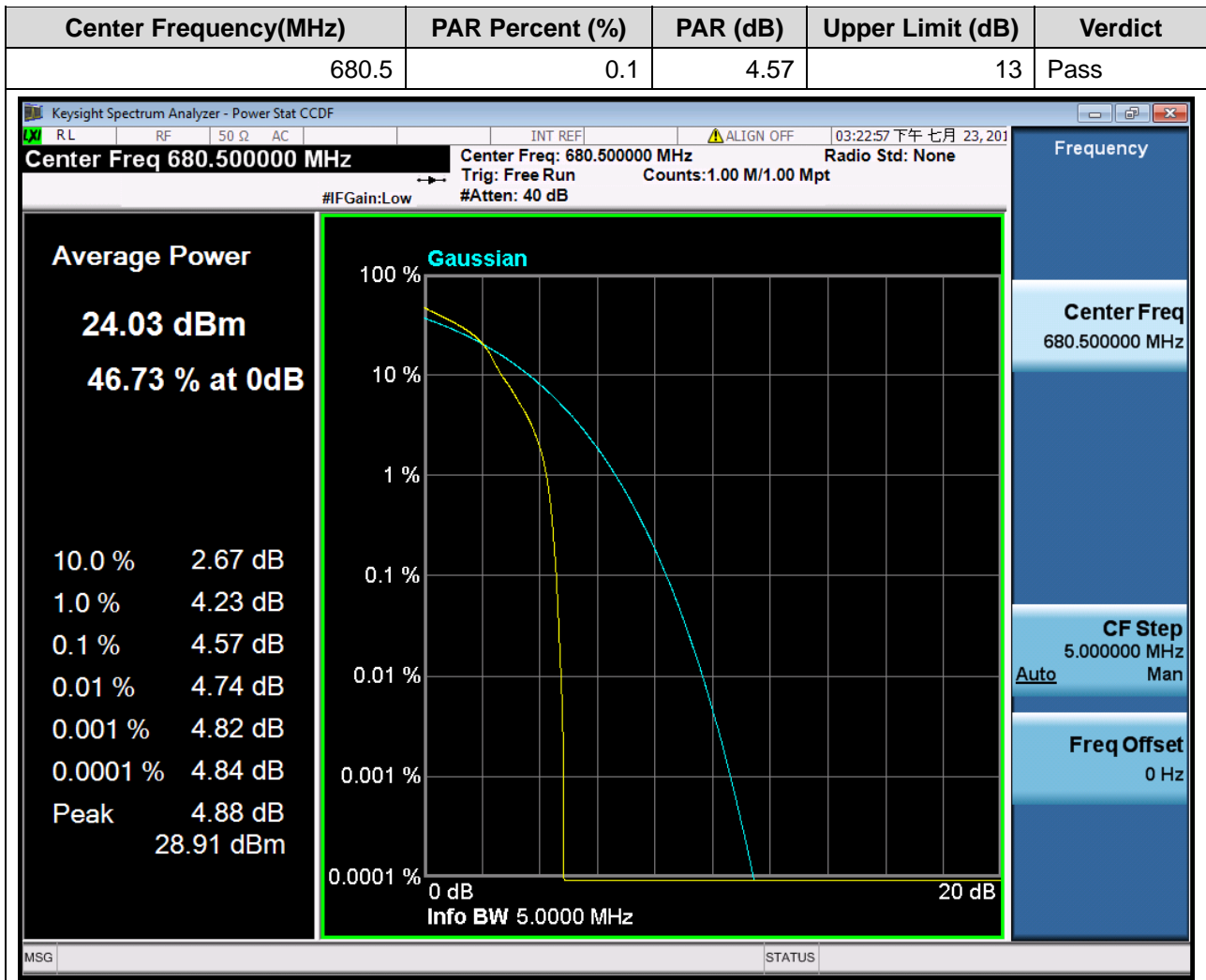
**1.26. LTE Peak to Average Ratio(NTNV)(Subtest:26, Channel:133297, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**



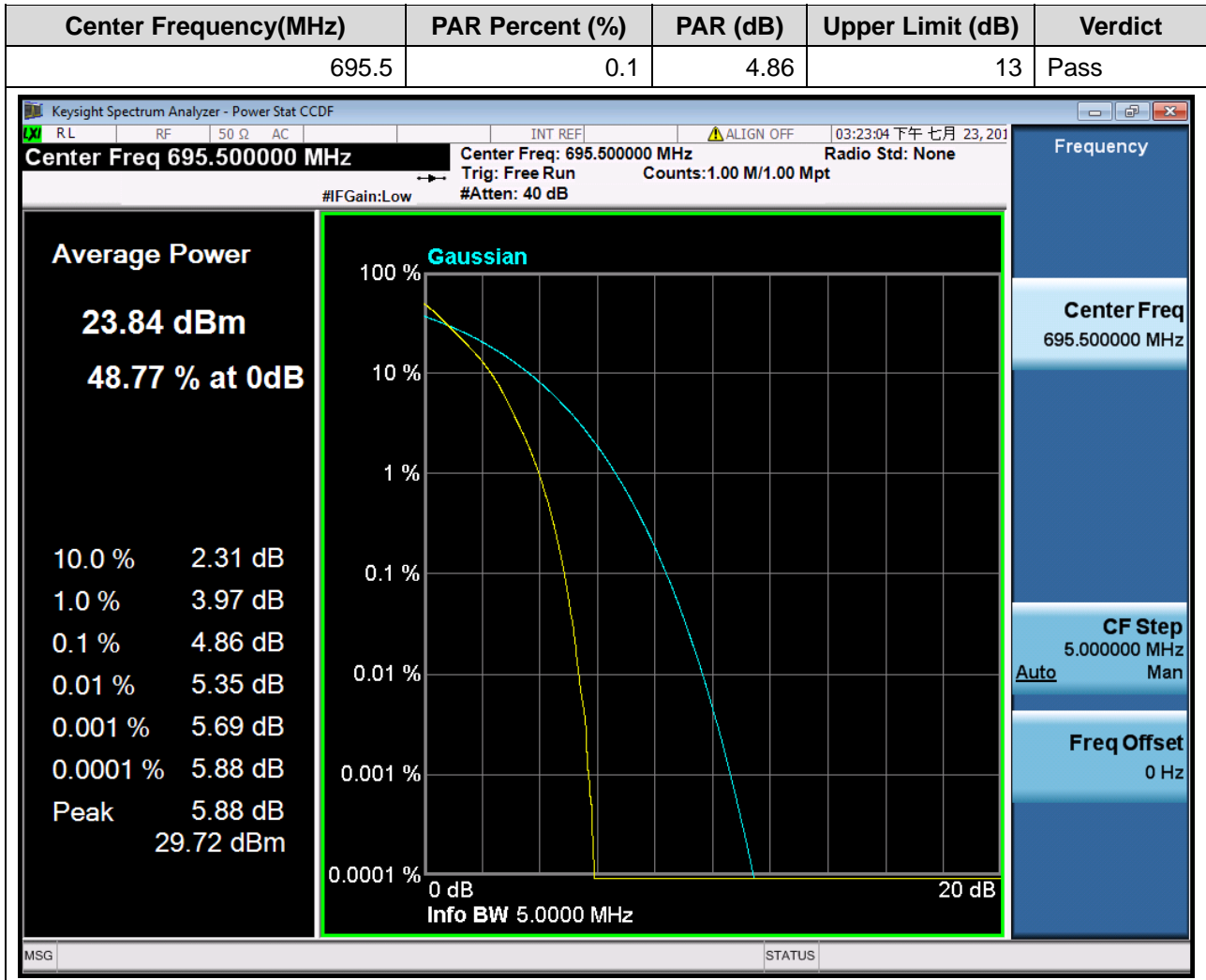
**1.27. LTE Peak to Average Ratio(NTNV)(Subtest:27, Channel:133297, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:MID)**



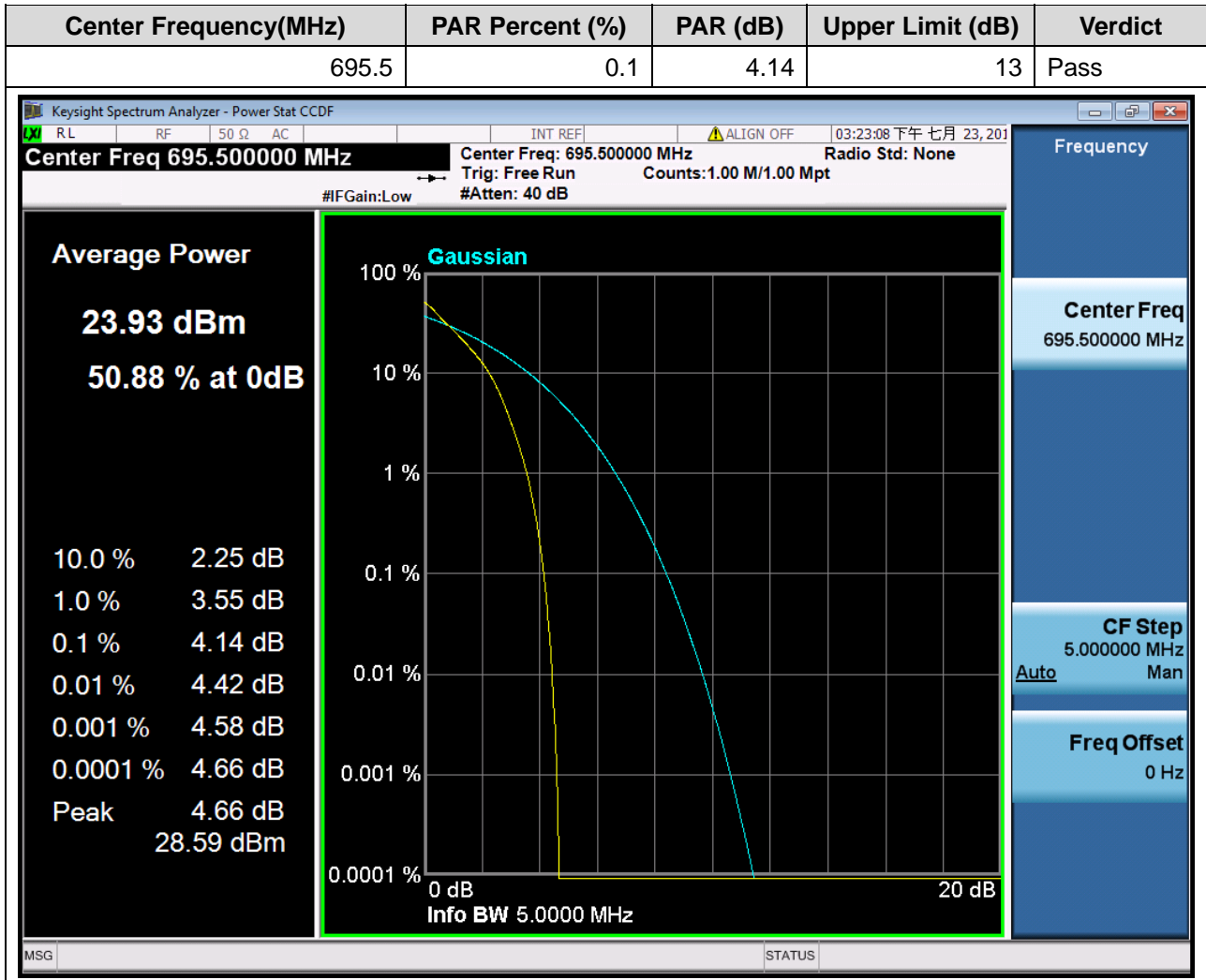
**1.28. LTE Peak to Average Ratio(NTNV)(Subtest:28, Channel:133297, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**



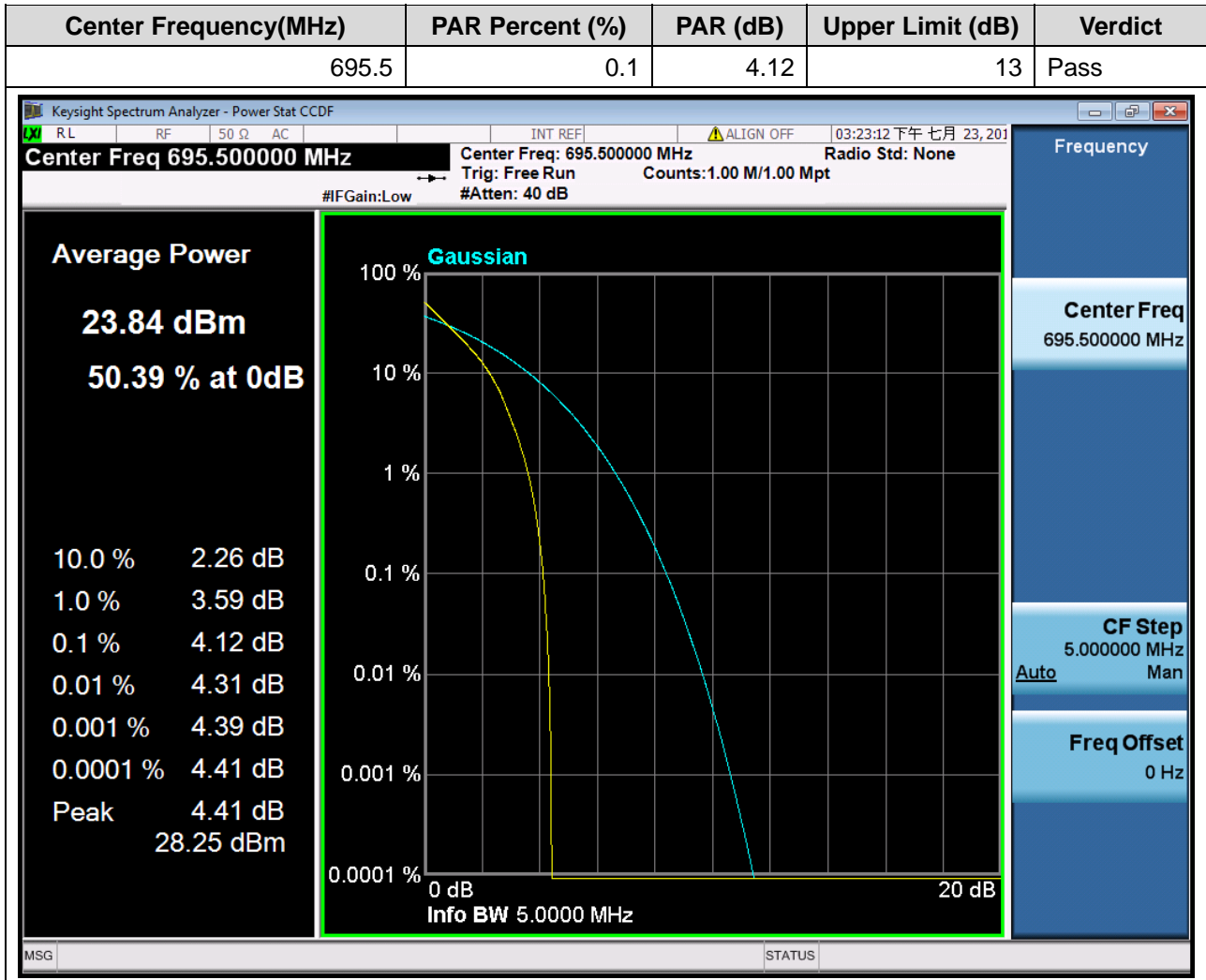
**1.29. LTE Peak to Average Ratio(NTNV)(Subtest:29, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 25, RB Position:LOW)**



**1.30. LTE Peak to Average Ratio(NTNV)(Subtest:30, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:LOW)**

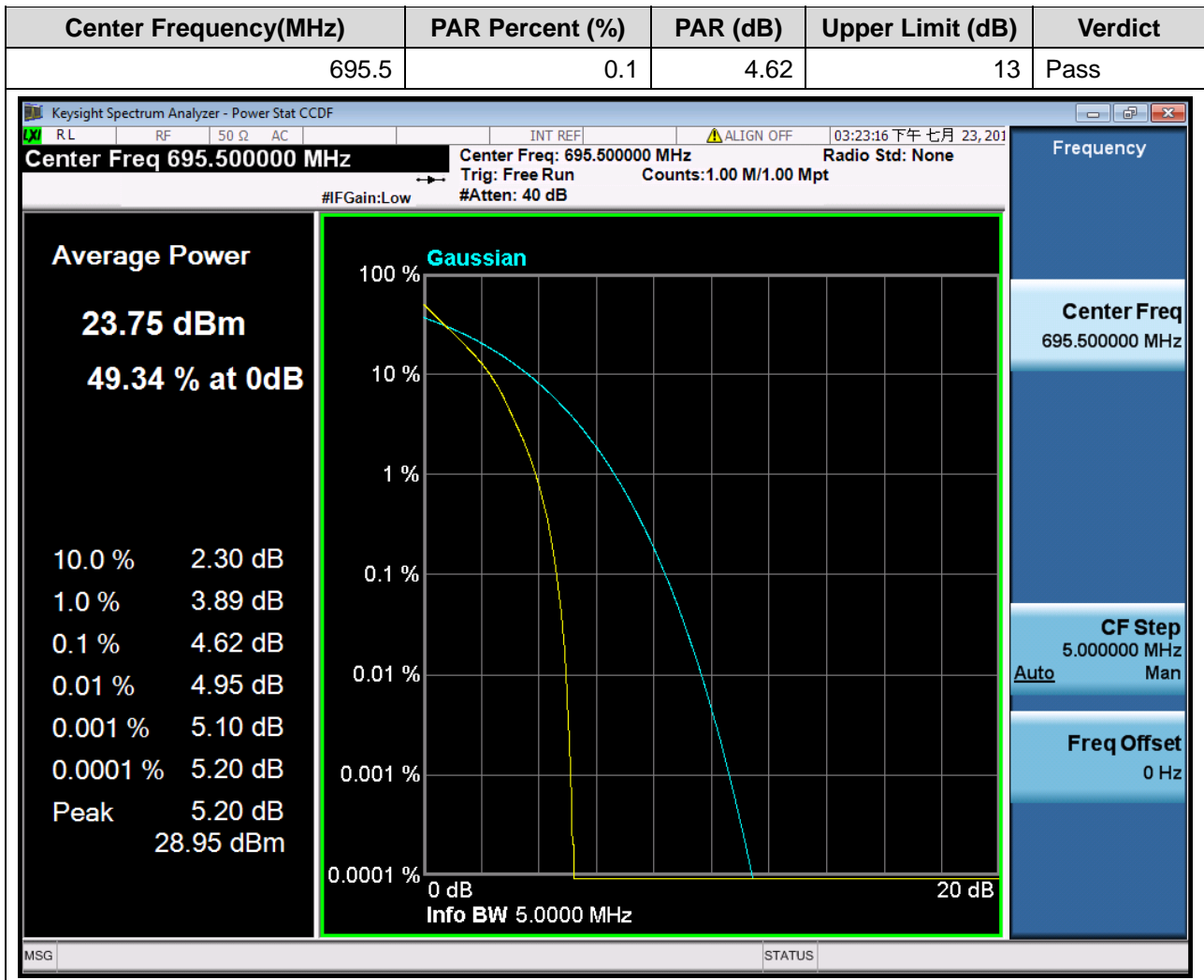


**1.31. LTE Peak to Average Ratio(NTNV)(Subtest:31, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:MID)**

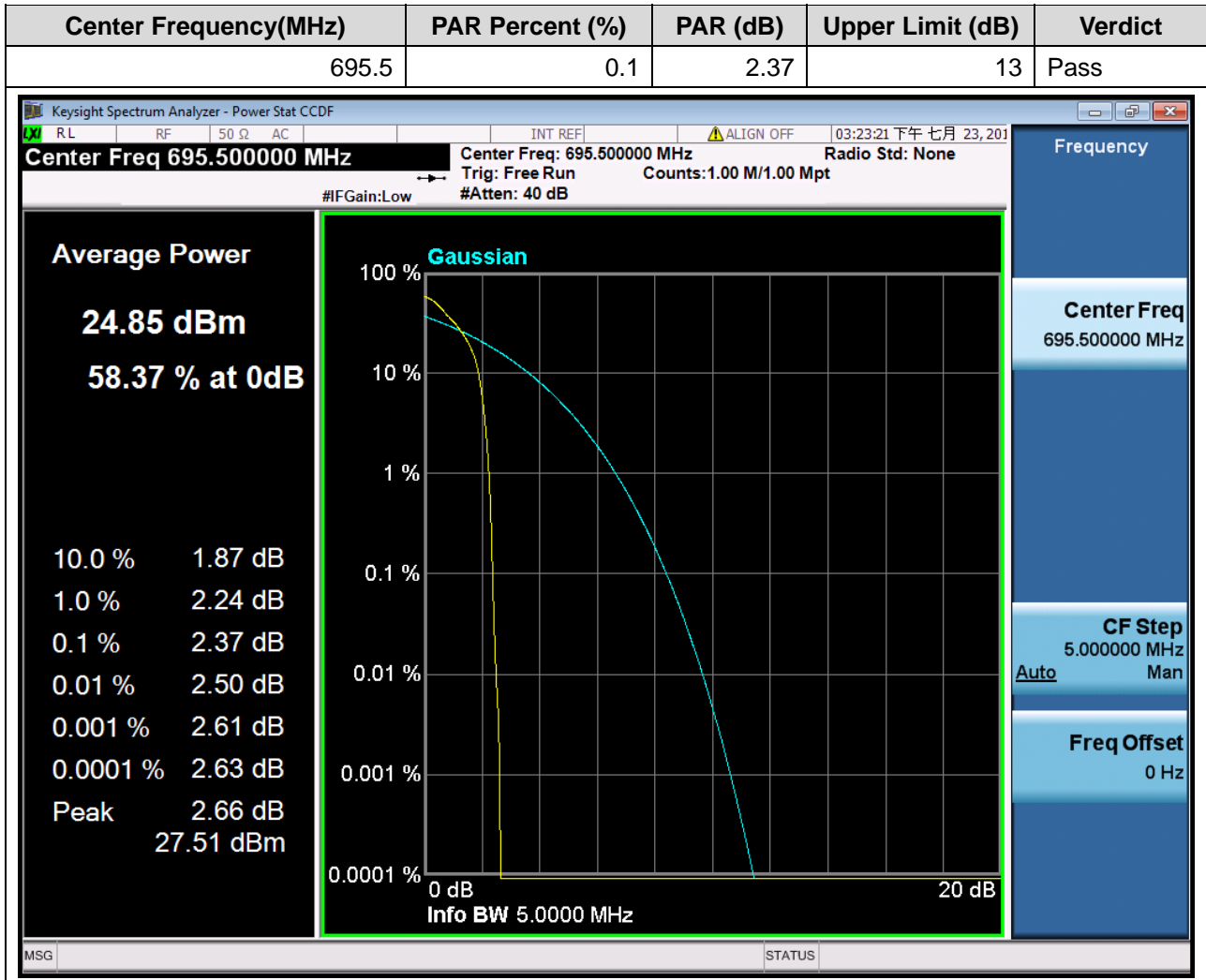




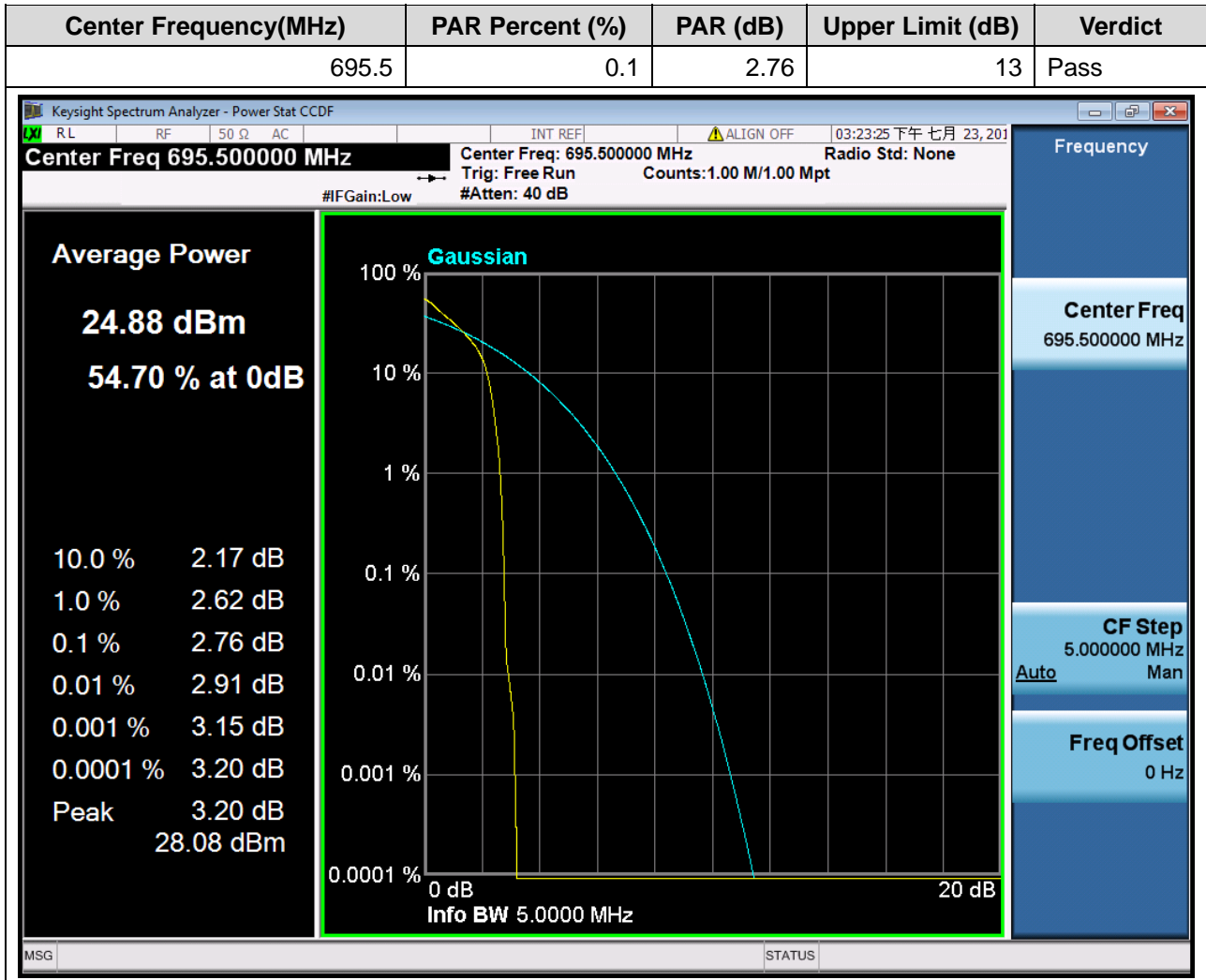
**1.32. LTE Peak to Average Ratio(NTNV)(Subtest:32, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 12, RB Position:HIGH)**



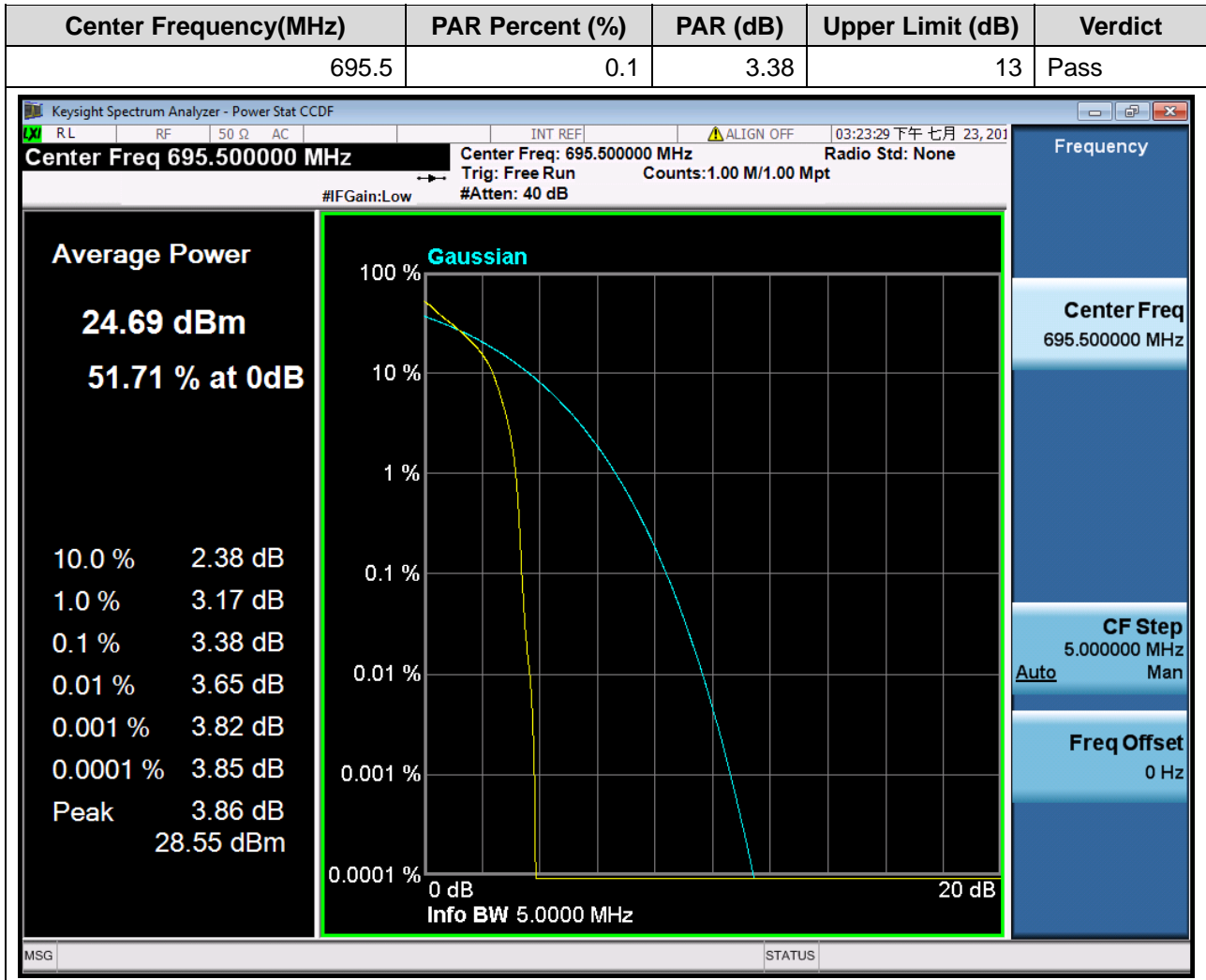
**1.33. LTE Peak to Average Ratio(NTNV)(Subtest:33, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



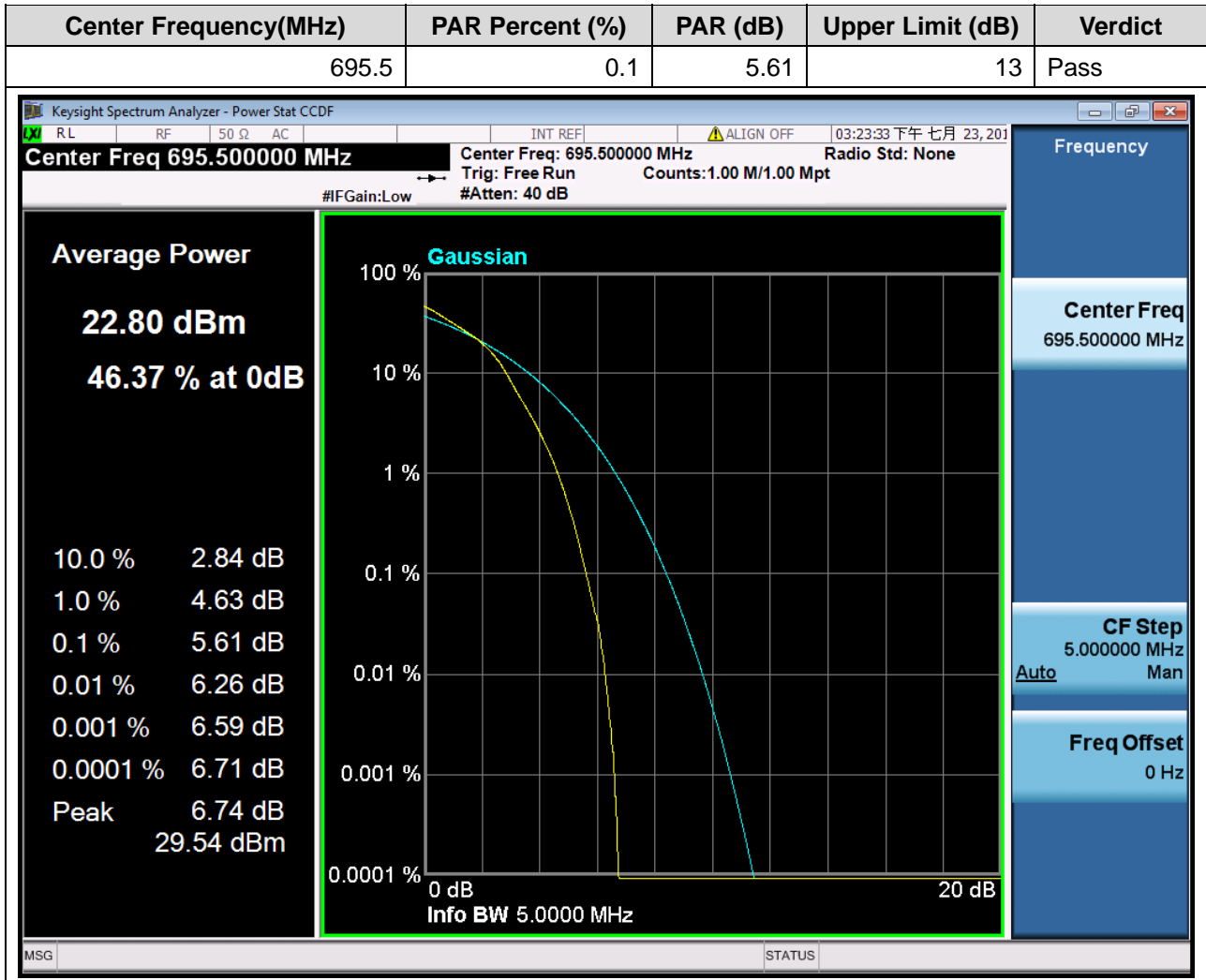
**1.34. LTE Peak to Average Ratio(NTNV)(Subtest:34, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:MID)**



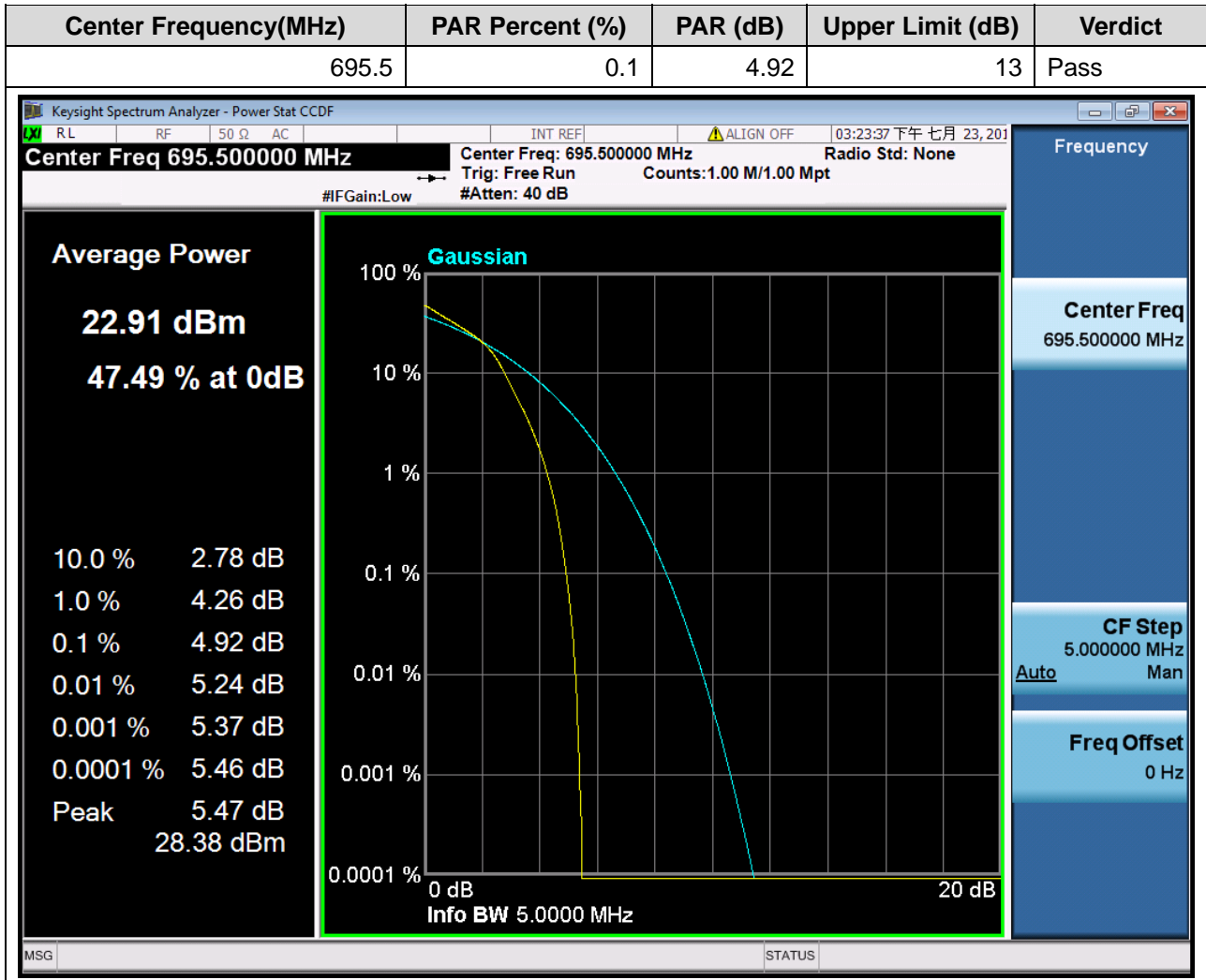
**1.35. LTE Peak to Average Ratio(NTNV)(Subtest:35, Channel:133447, Bandwidth:5, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**



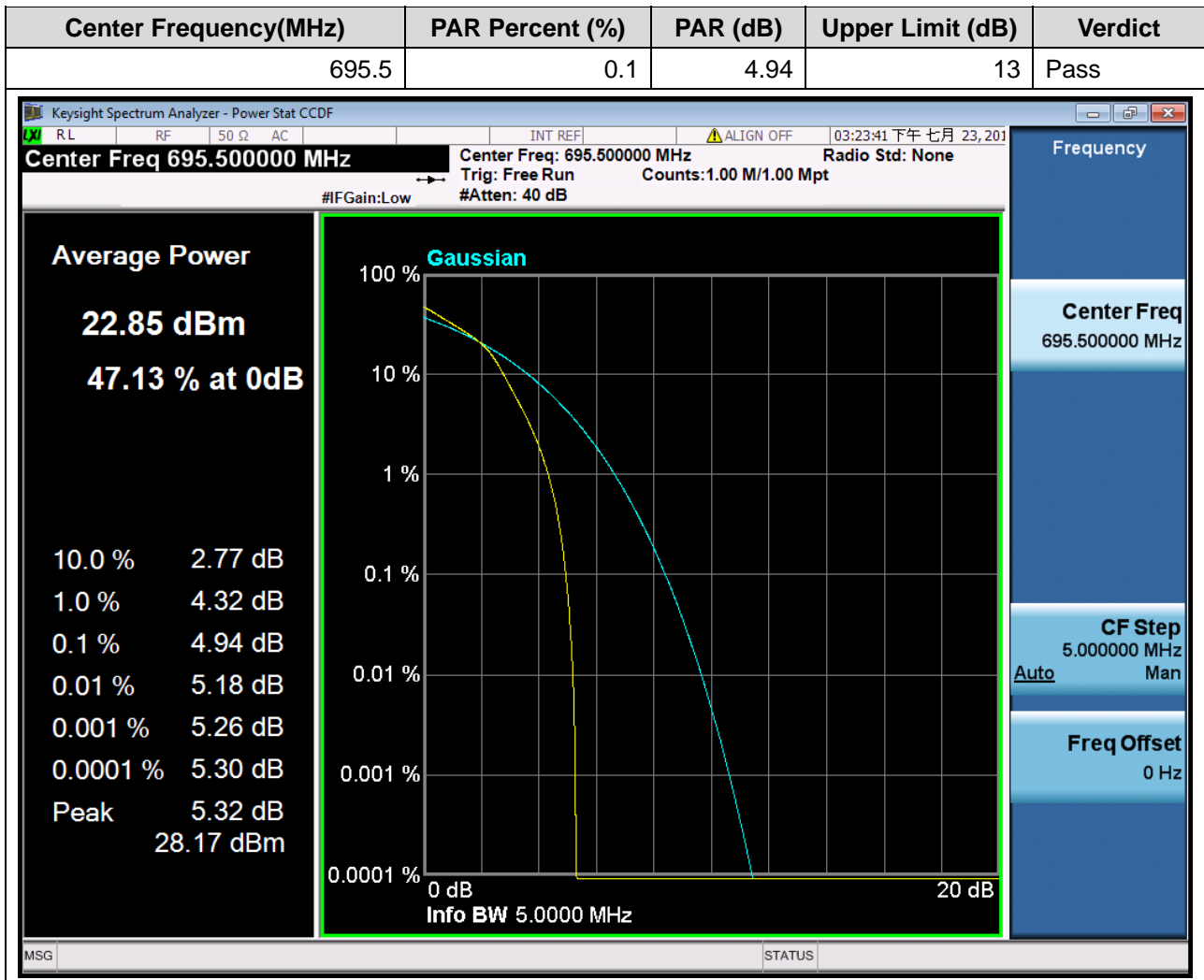
**1.36. LTE Peak to Average Ratio(NTNV)(Subtest:36, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 25, RB Position:LOW)**



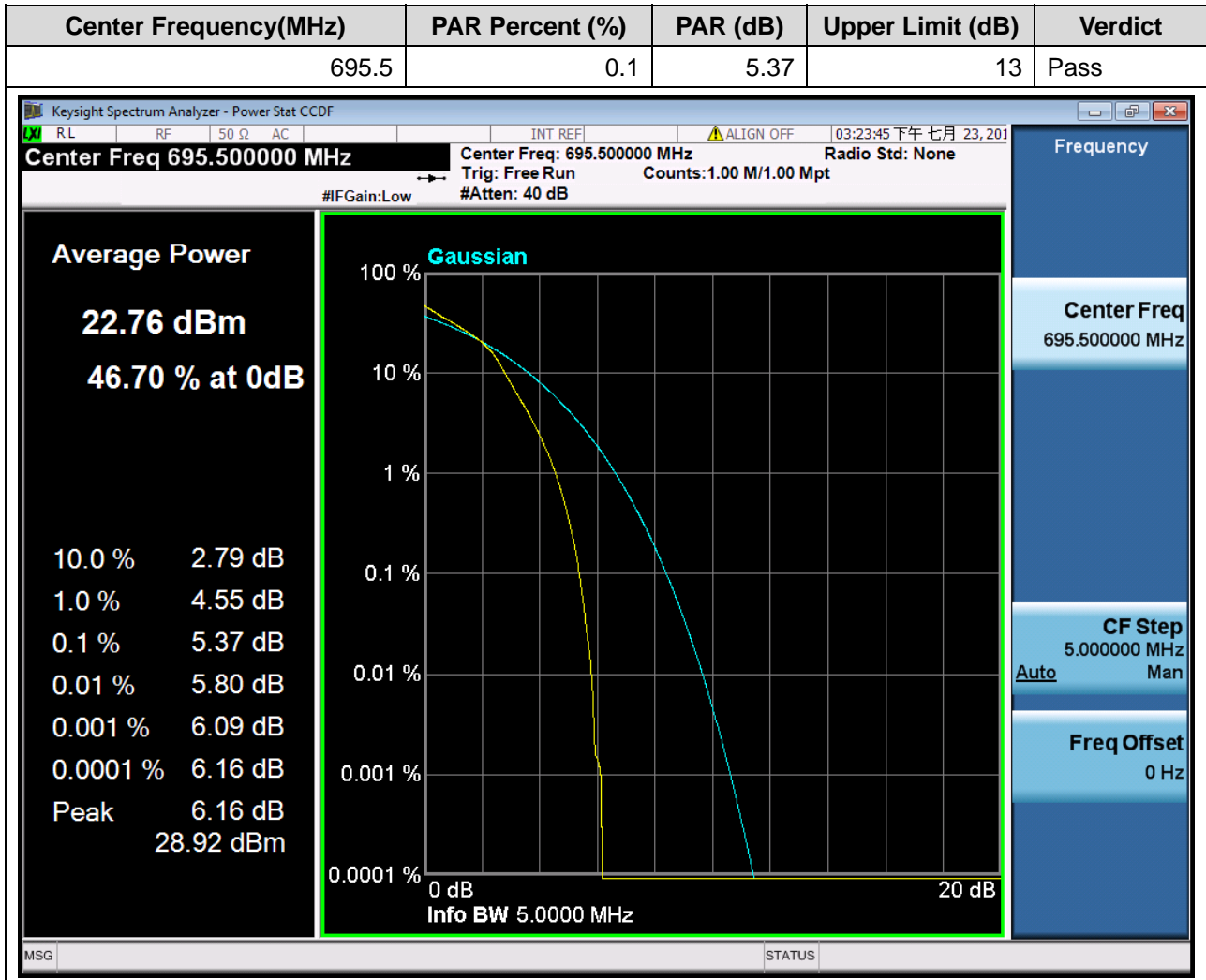
**1.37. LTE Peak to Average Ratio(NTNV)(Subtest:37, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:LOW)**



**1.38. LTE Peak to Average Ratio(NTNV)(Subtest:38, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:MID)**

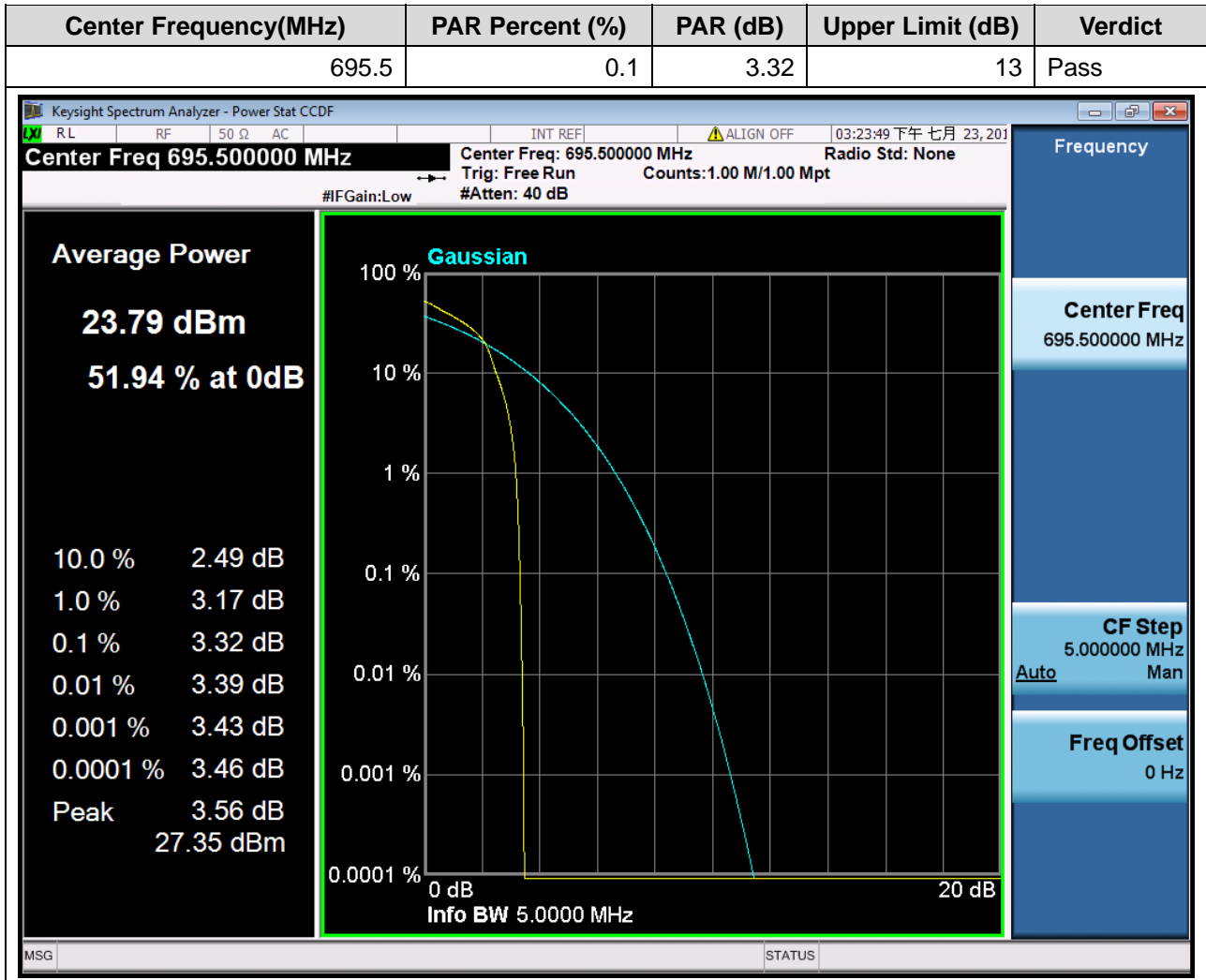


**1.39. LTE Peak to Average Ratio(NTNV)(Subtest:39, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 12, RB Position:HIGH)**

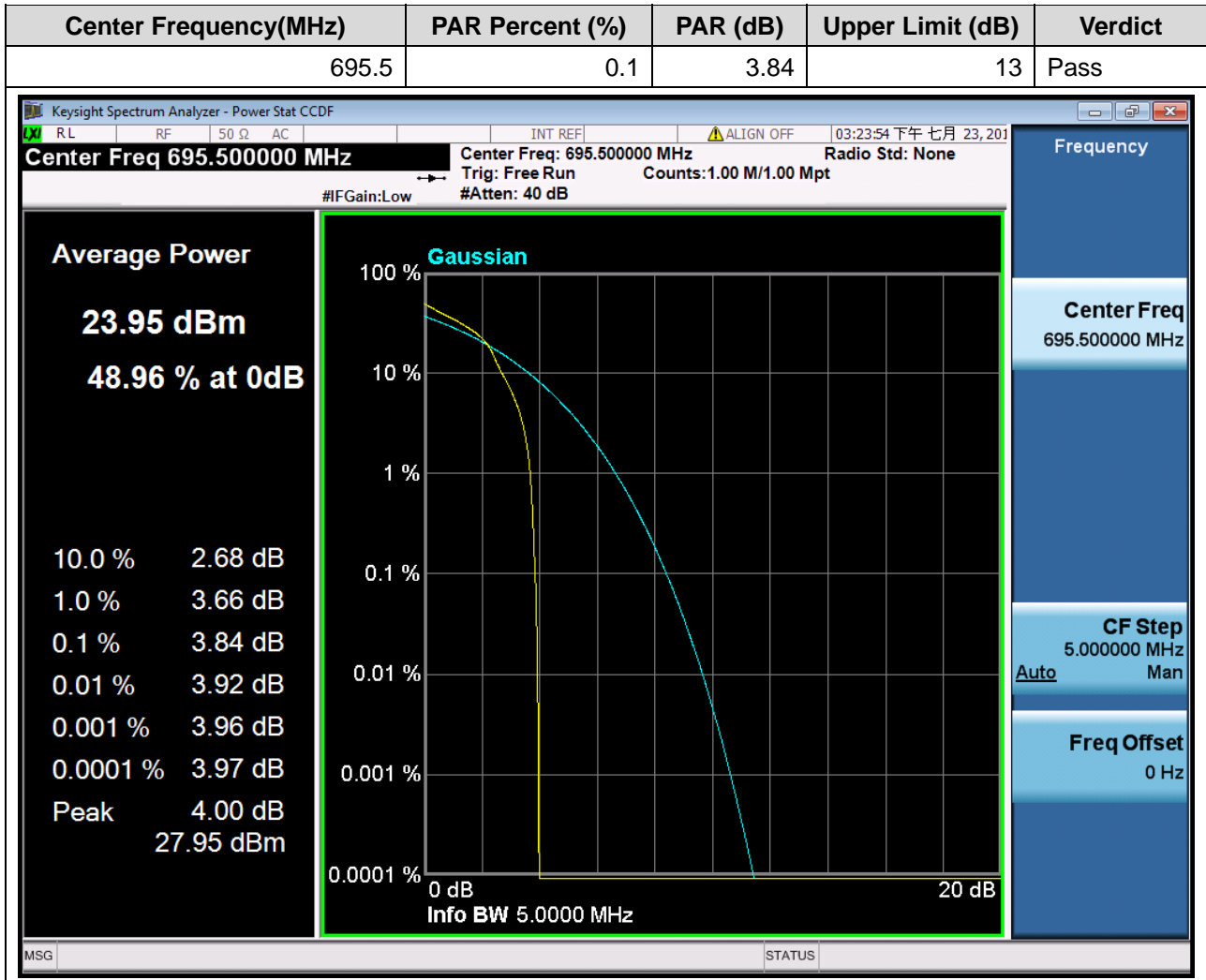




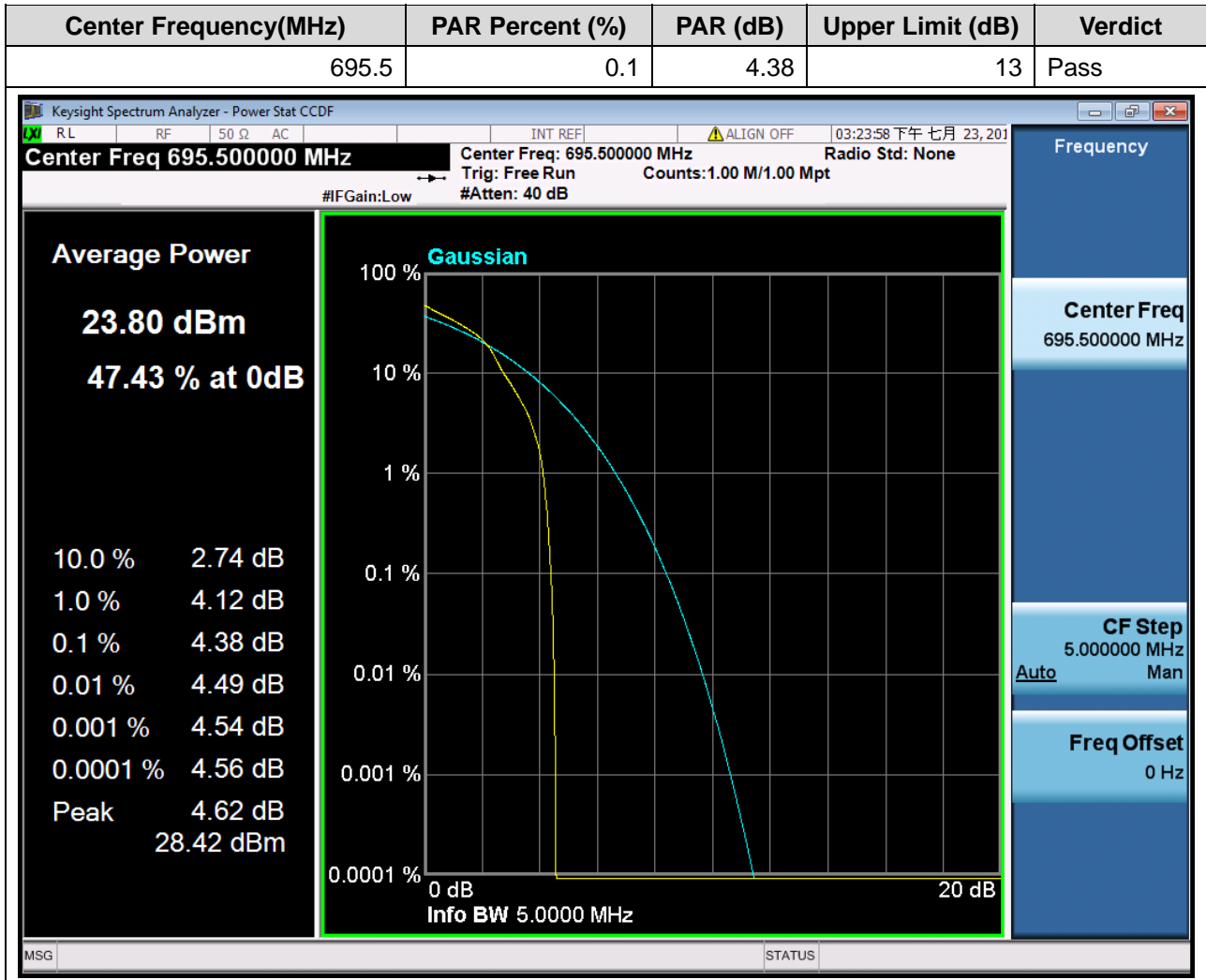
**1.40. LTE Peak to Average Ratio(NTNV)(Subtest:40, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:LOW)**



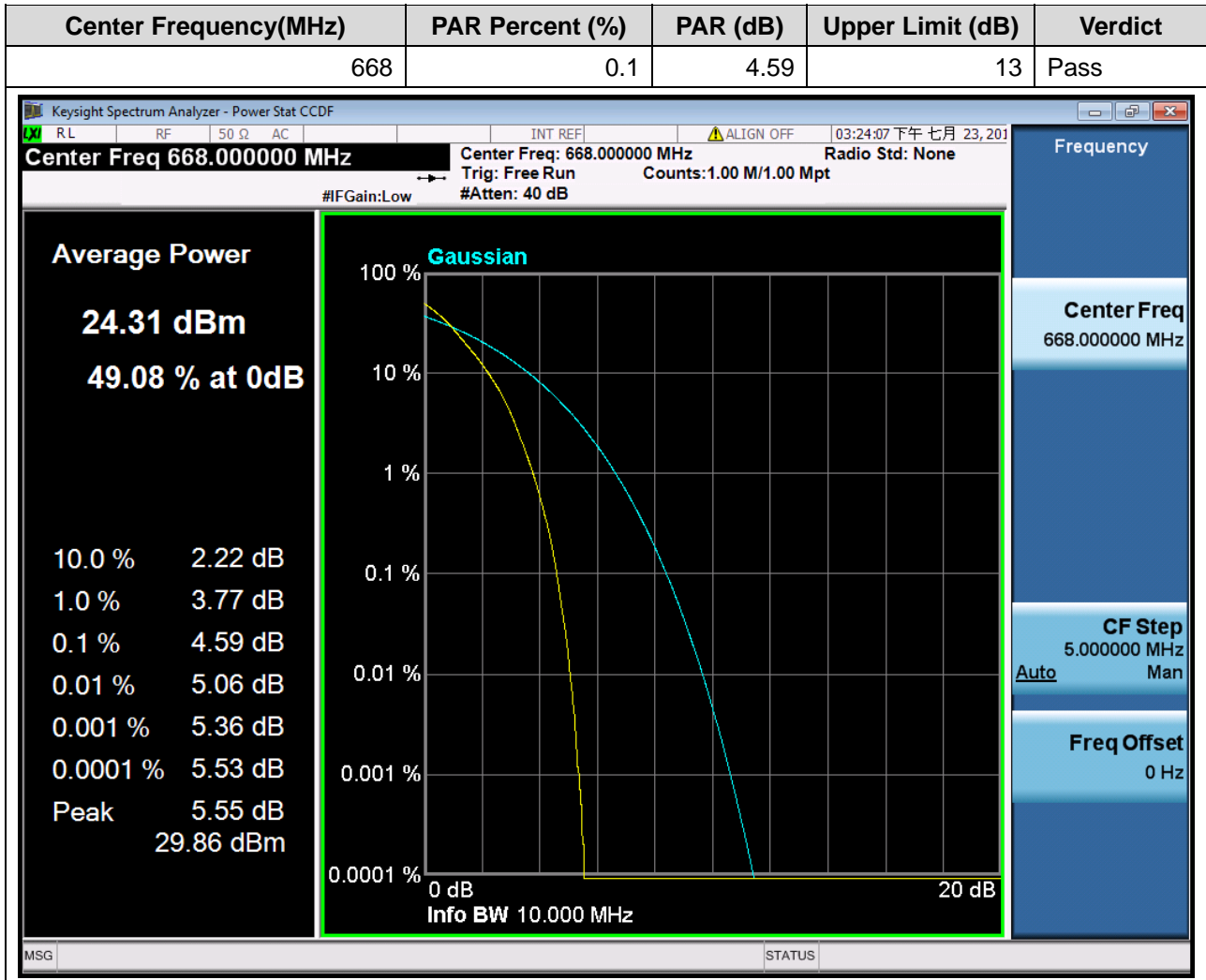
**1.41. LTE Peak to Average Ratio(NTNV)(Subtest:41, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:MID)**



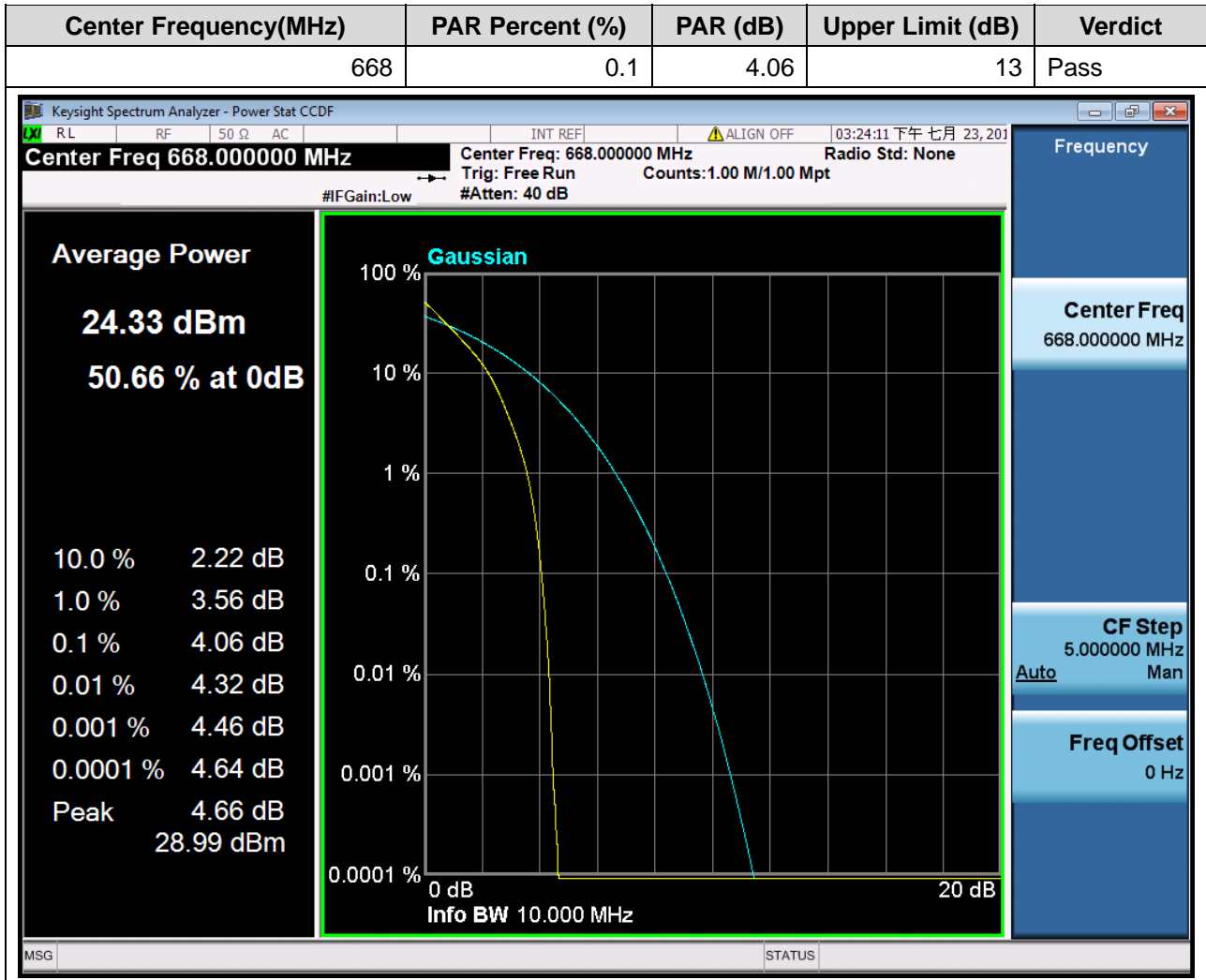
**1.42. LTE Peak to Average Ratio(NTNV)(Subtest:42, Channel:133447, Bandwidth:5, Modulation:Q16, RB Number: 1, RB Position:HIGH)**



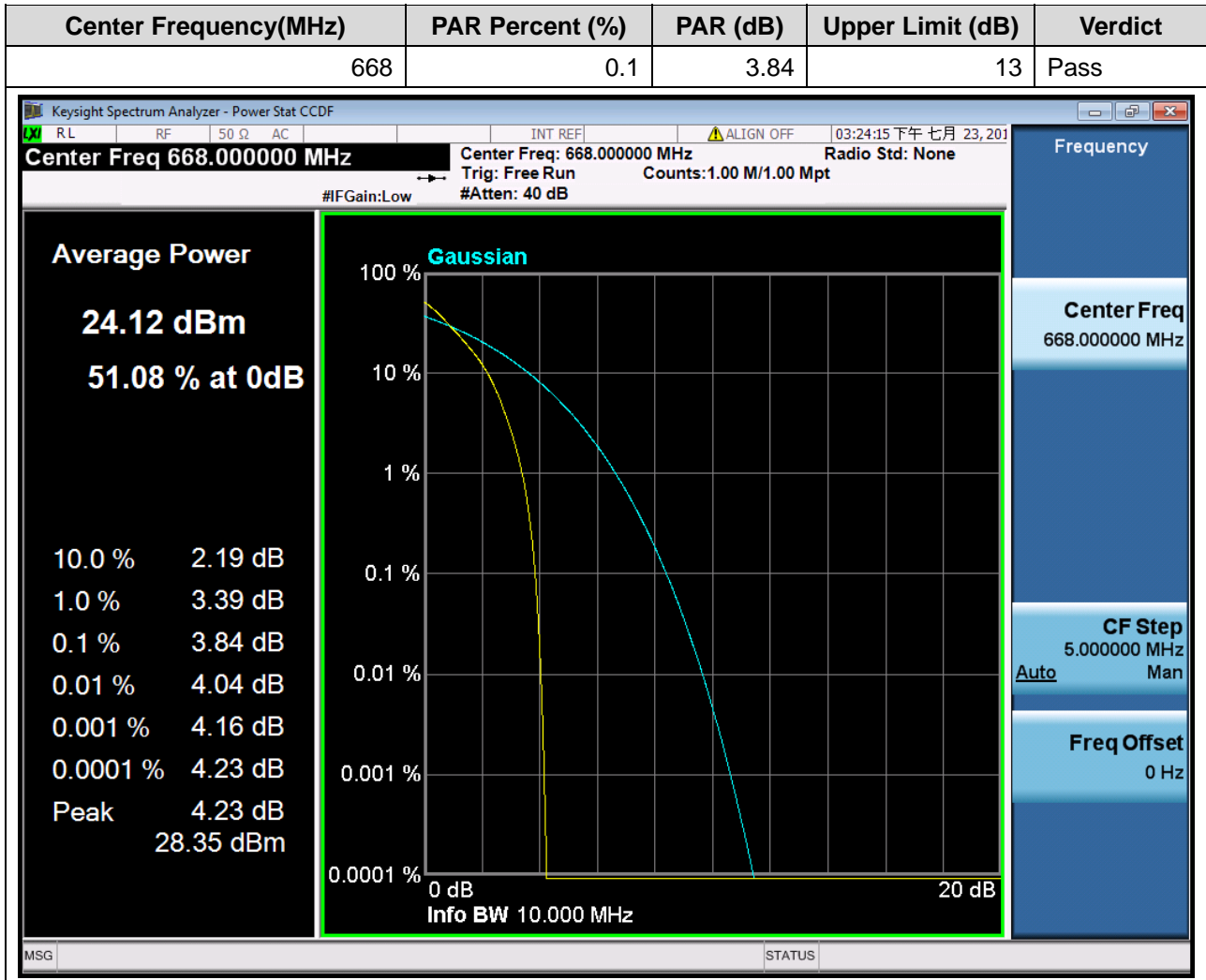
**1.43. LTE Peak to Average Ratio(NTNV)(Subtest:43, Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**



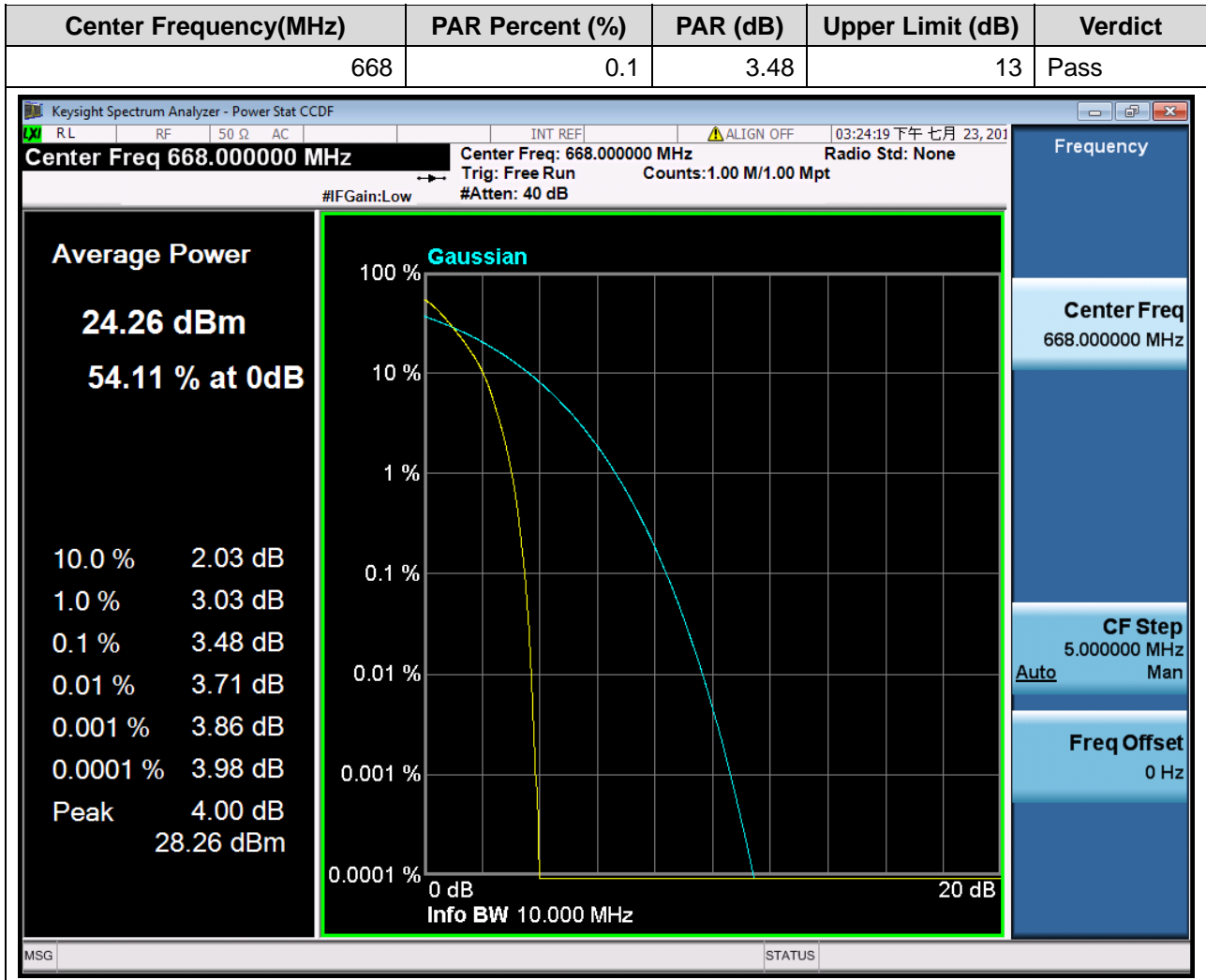
**1.44. LTE Peak to Average Ratio(NTNV)(Subtest:44, Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:LOW)**



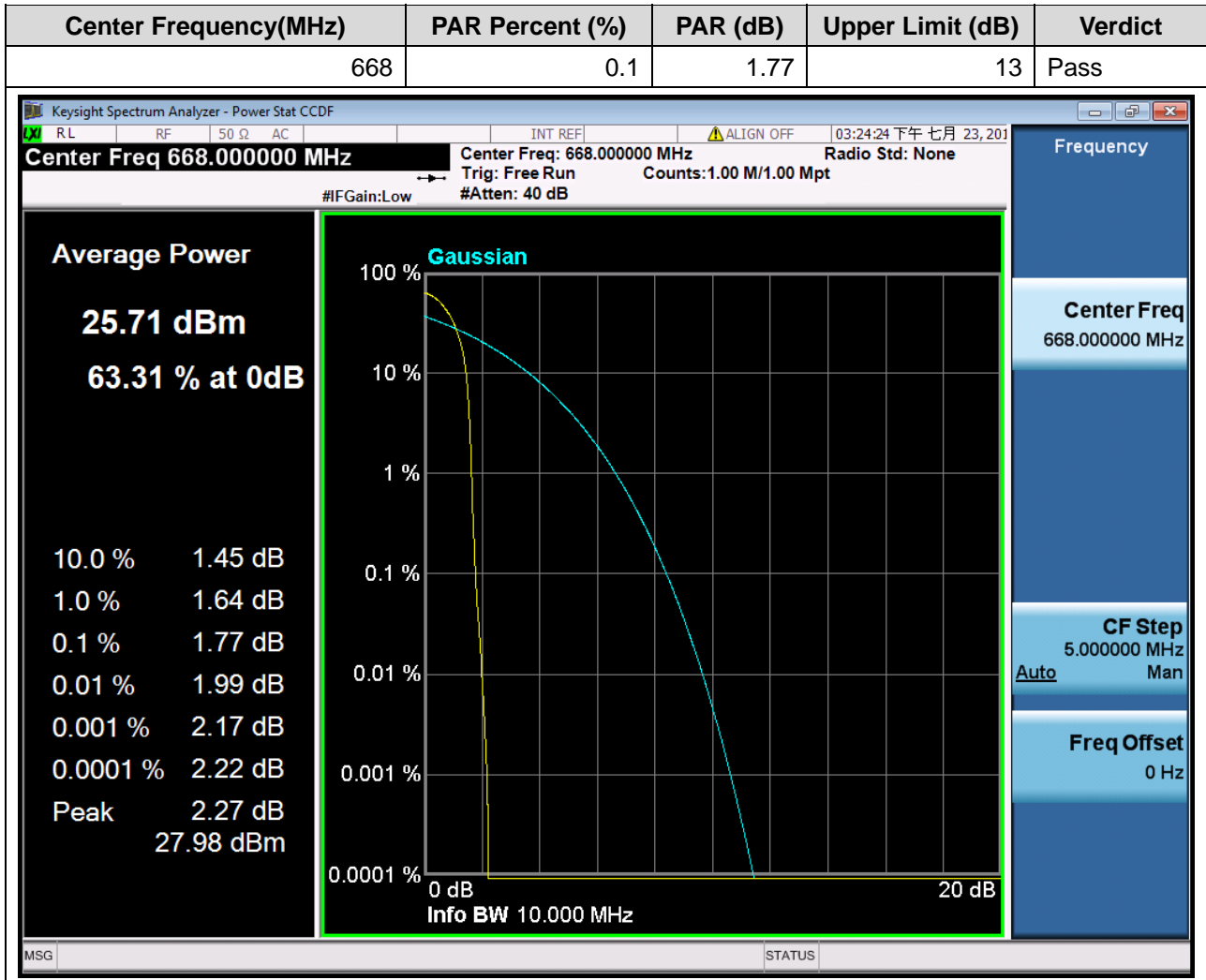
**1.45. LTE Peak to Average Ratio(NTNV)(Subtest:45, Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:MID)**



**1.46. LTE Peak to Average Ratio(NTNV)(Subtest:46, Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)**

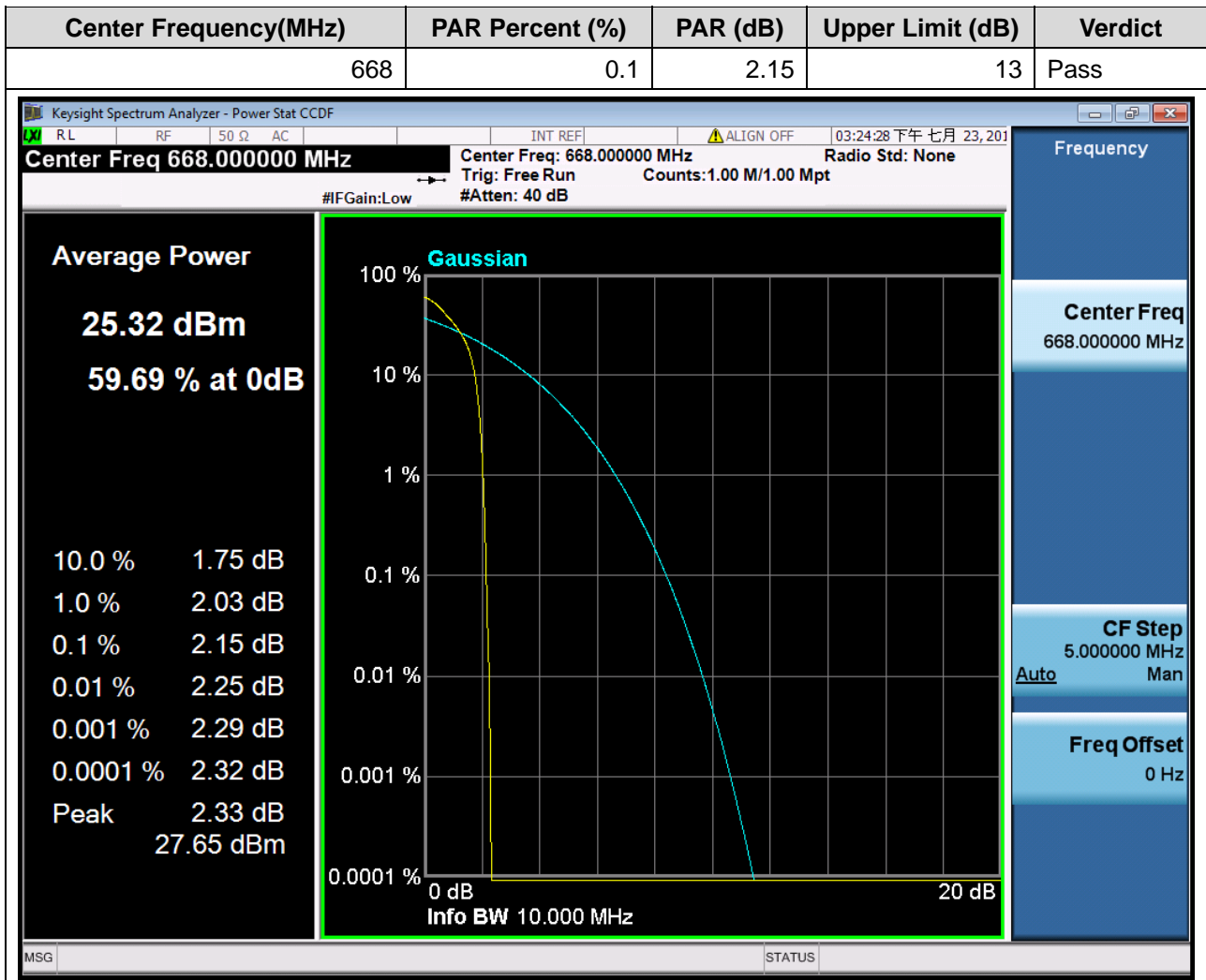


**1.47. LTE Peak to Average Ratio(NTNV)(Subtest:47, Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

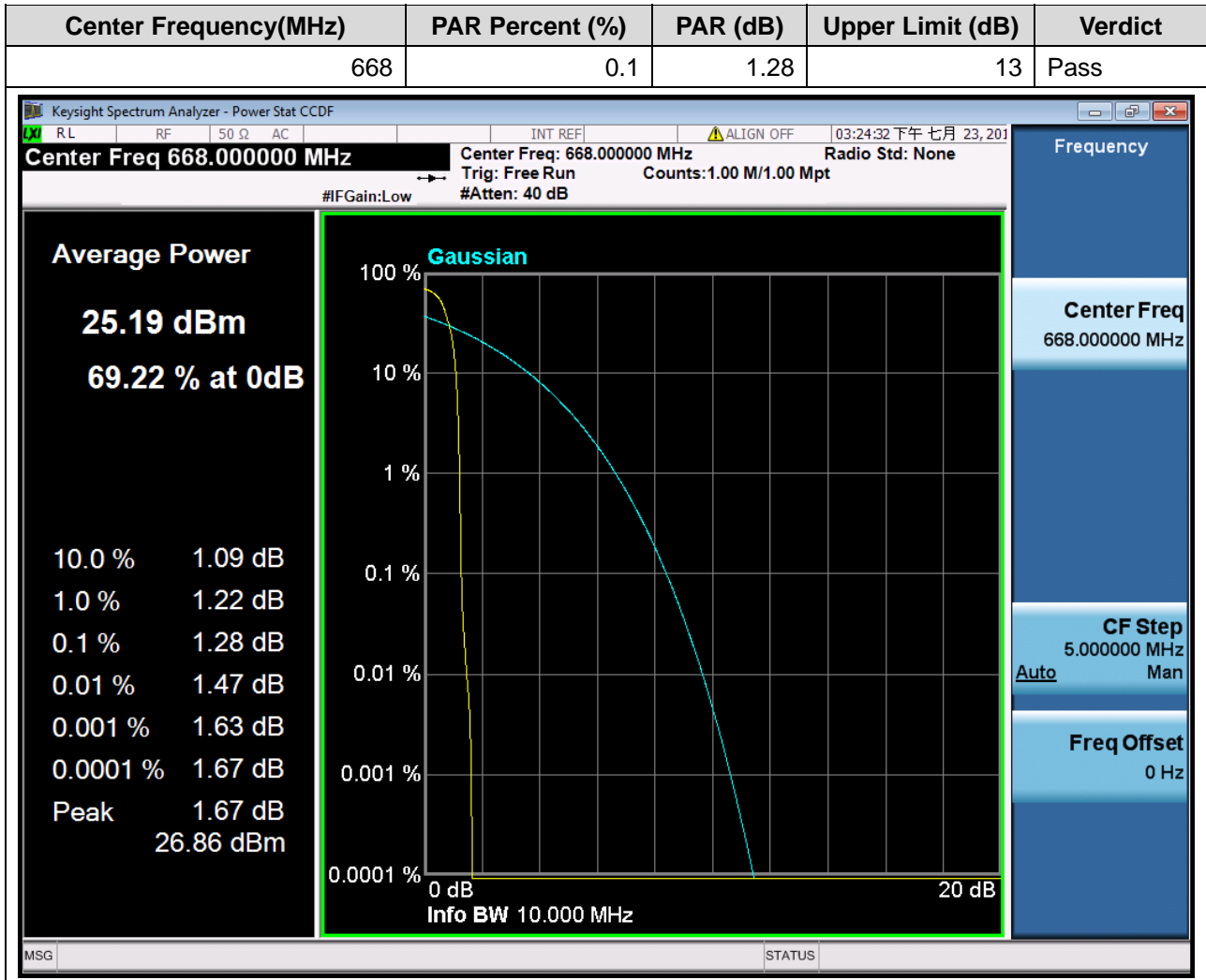




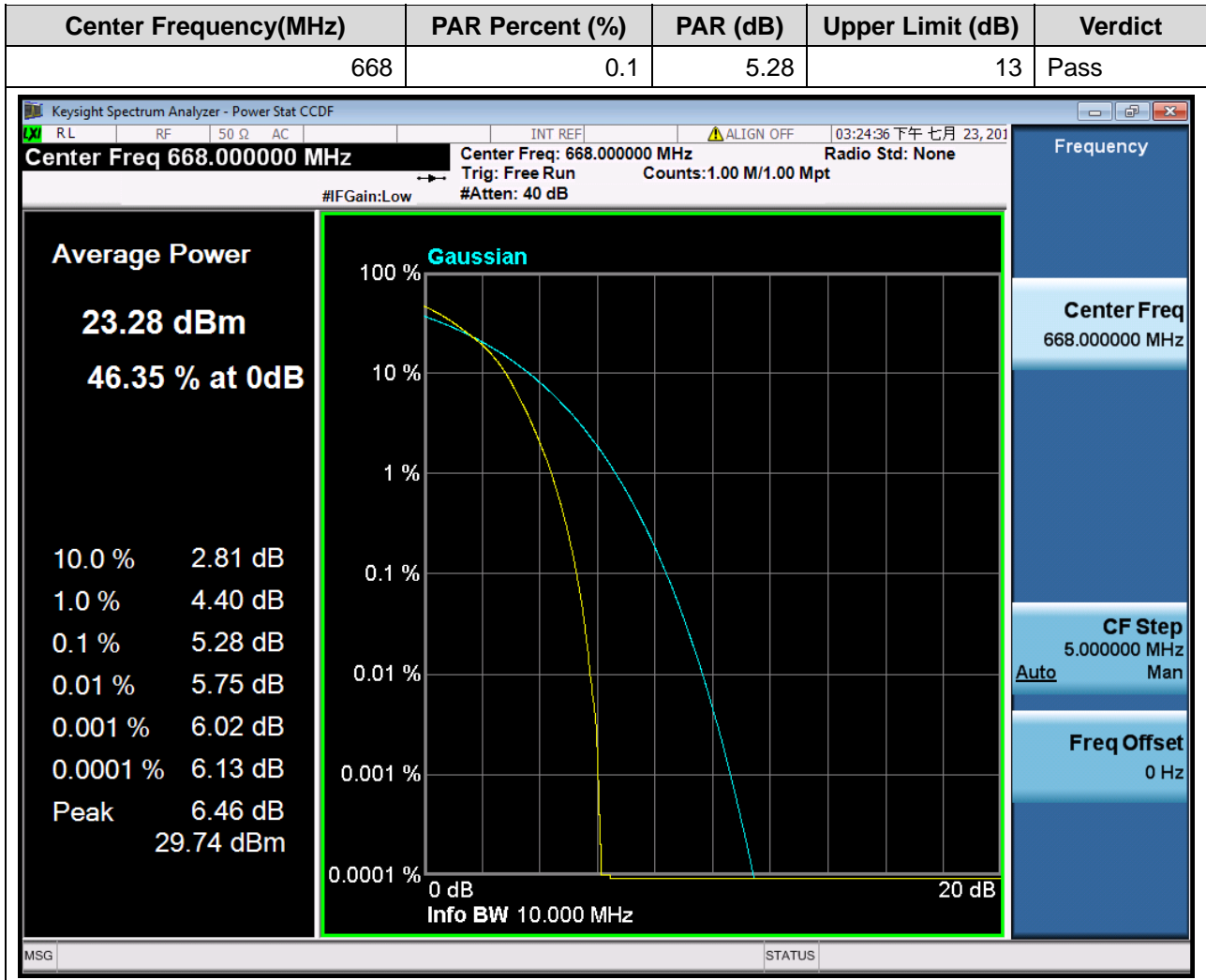
**1.48. LTE Peak to Average Ratio(NTNV)(Subtest:48, Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:MID)**



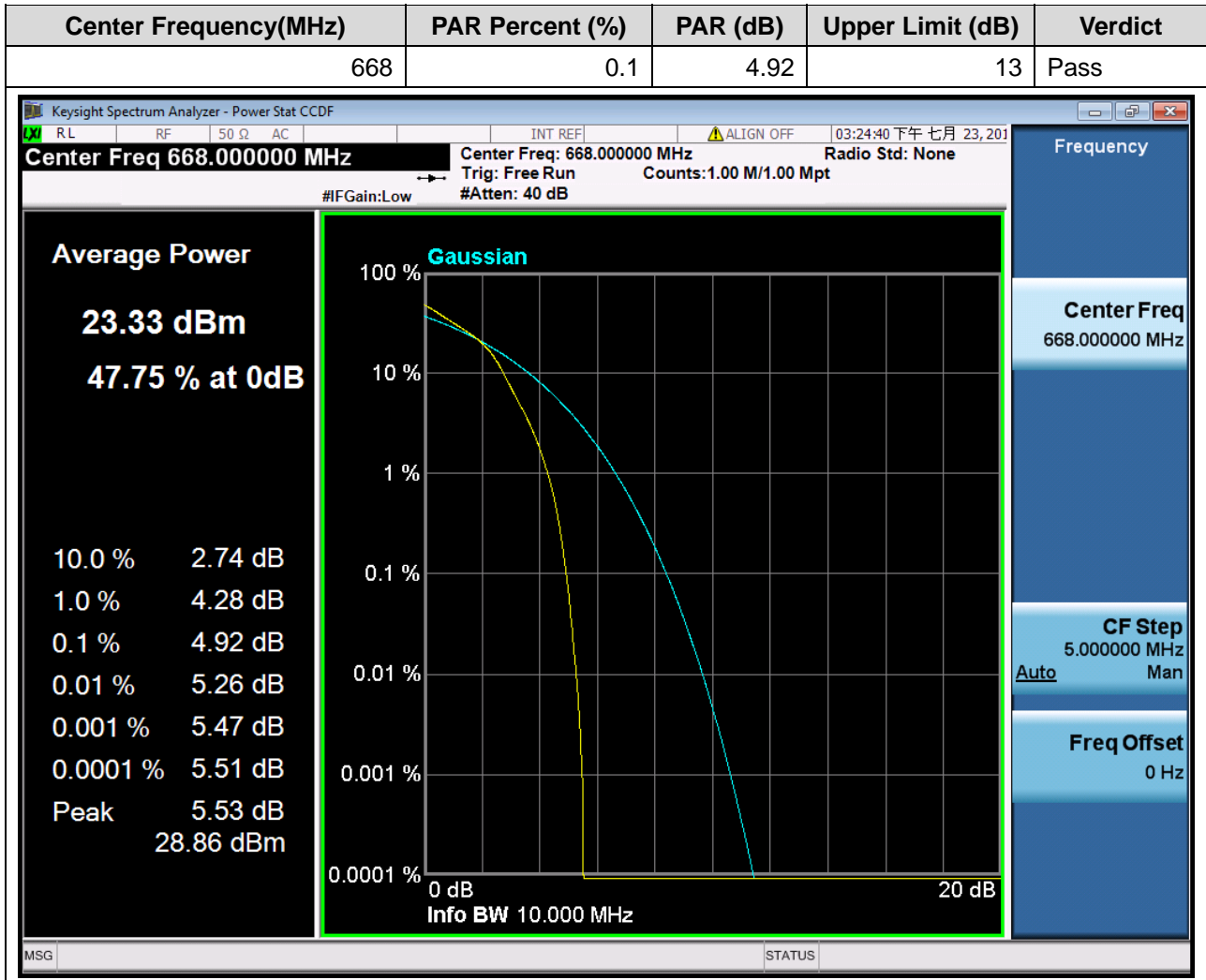
**1.49. LTE Peak to Average Ratio(NTNV)(Subtest:49, Channel:133172, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**



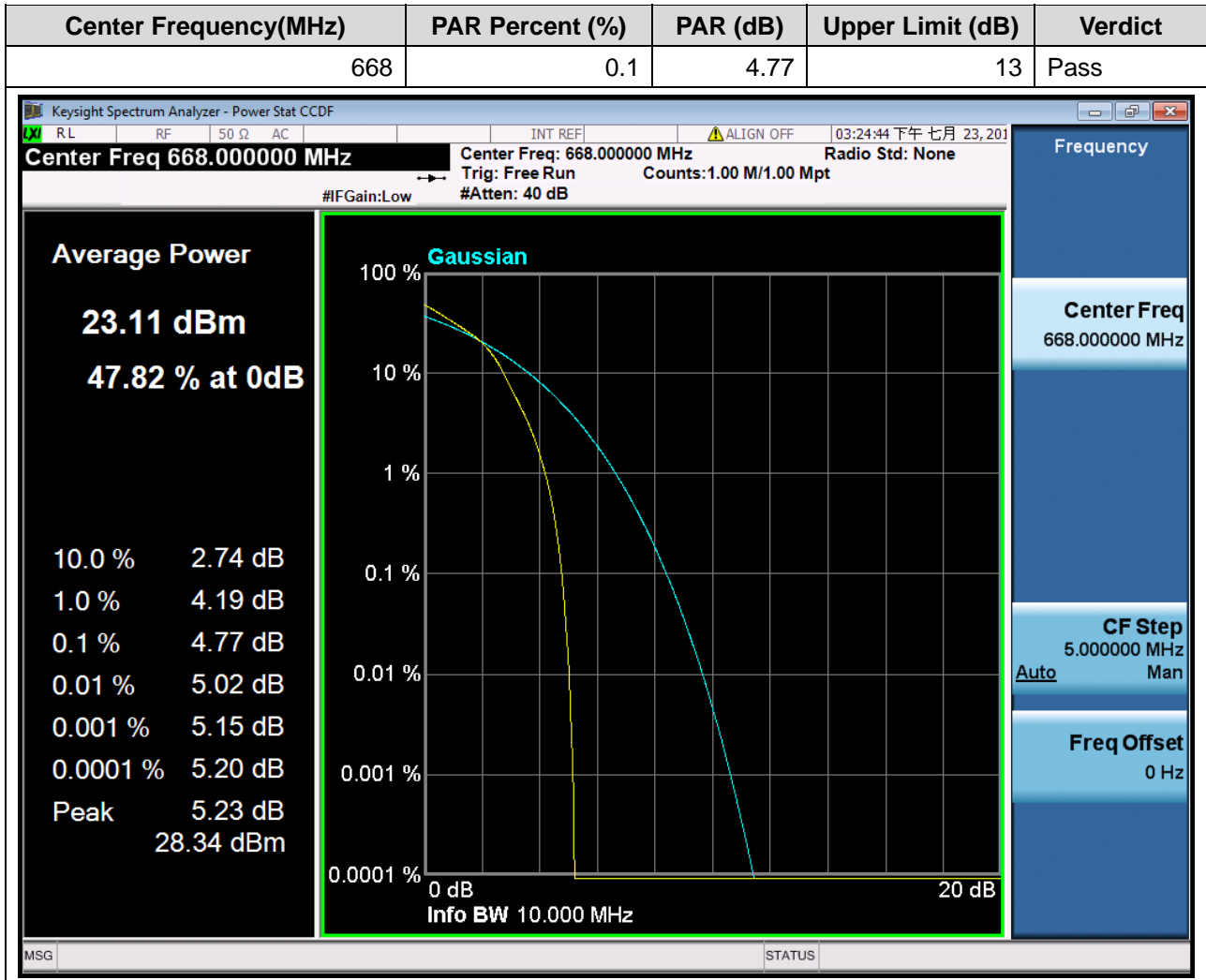
**1.50. LTE Peak to Average Ratio(NTNV)(Subtest:50, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**



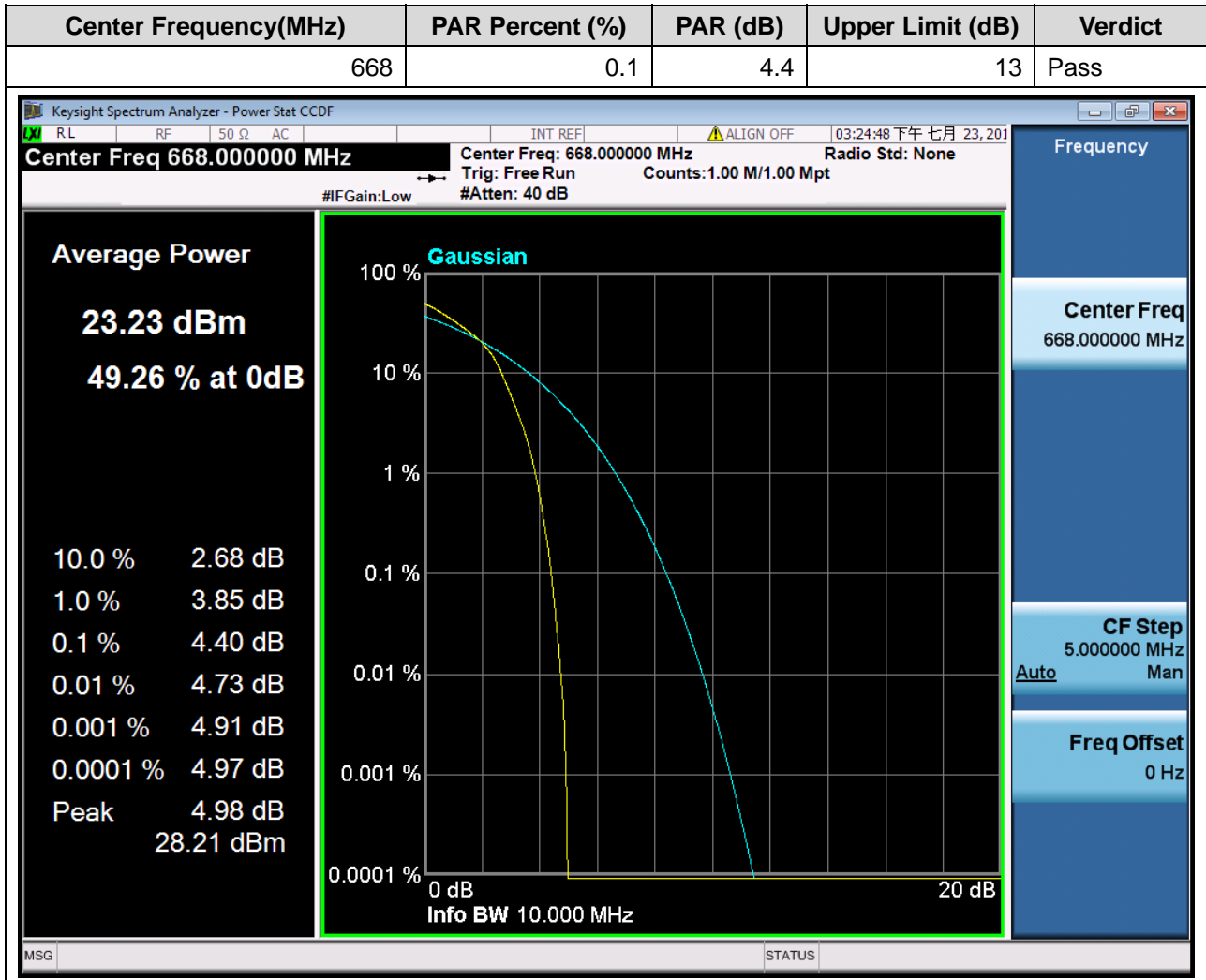
**1.51. LTE Peak to Average Ratio(NTNV)(Subtest:51, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:LOW)**



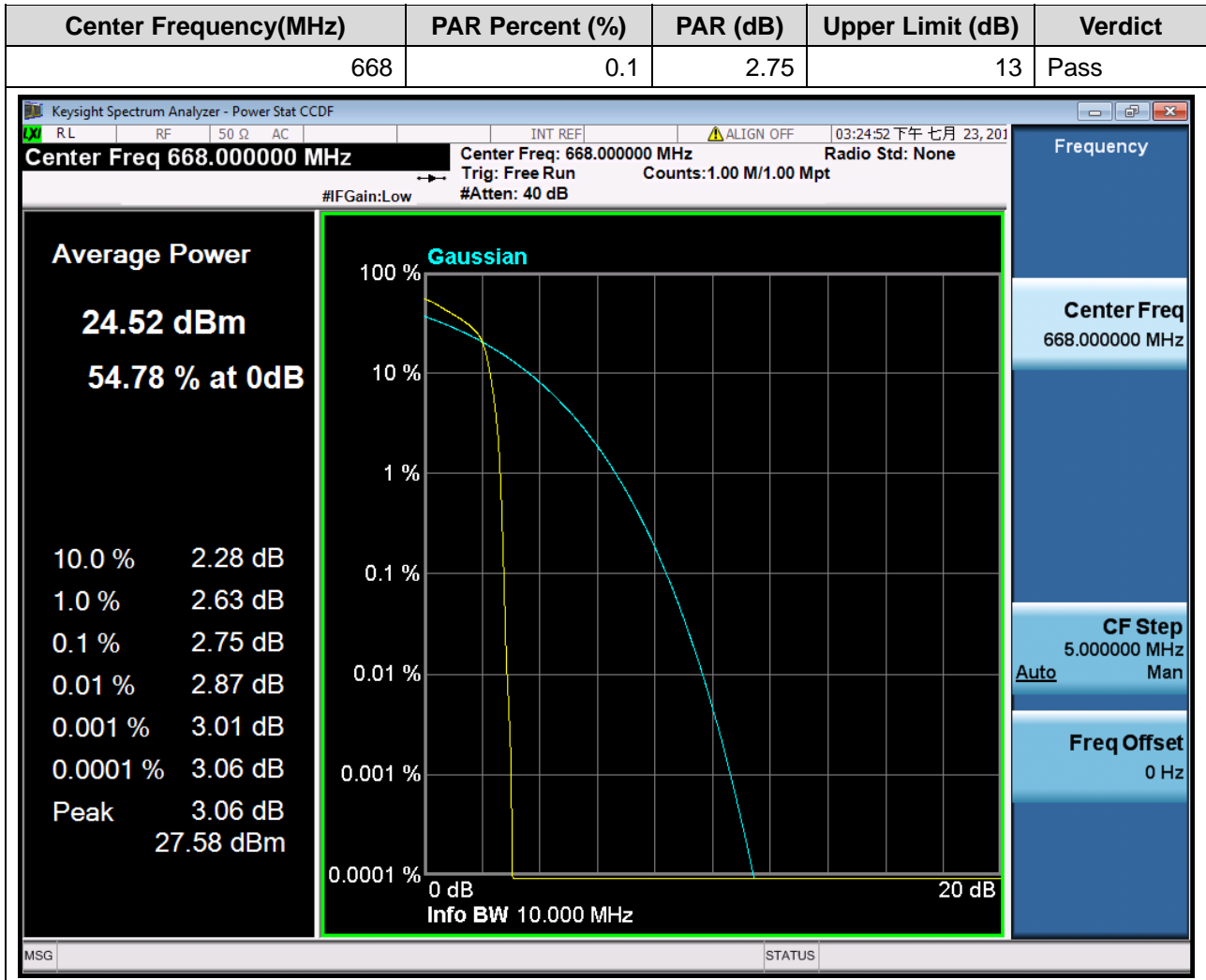
**1.52. LTE Peak to Average Ratio(NTNV)(Subtest:52, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:MID)**



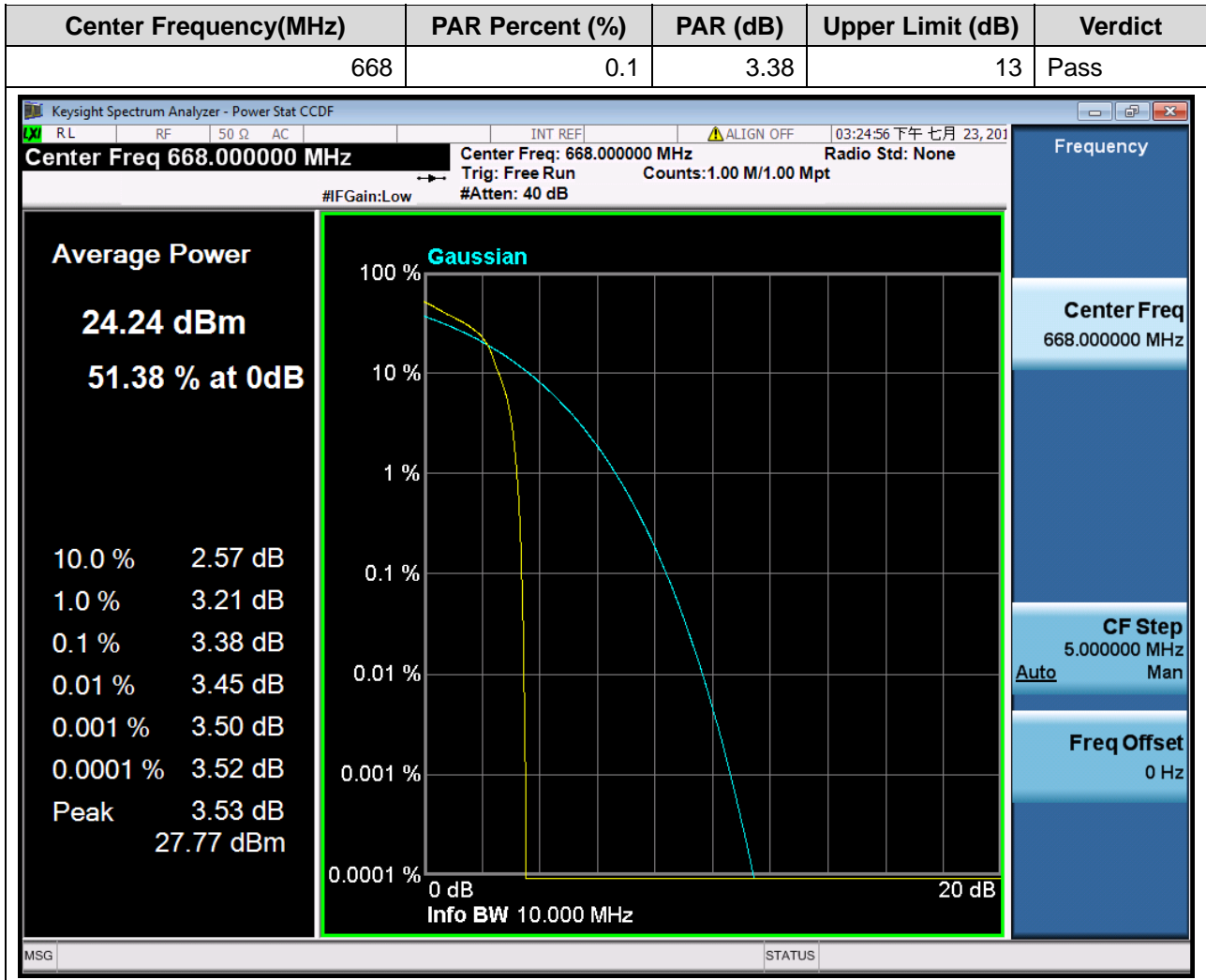
**1.53. LTE Peak to Average Ratio(NTNV)(Subtest:53, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:HIGH)**



**1.54. LTE Peak to Average Ratio(NTNV)(Subtest:54, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**

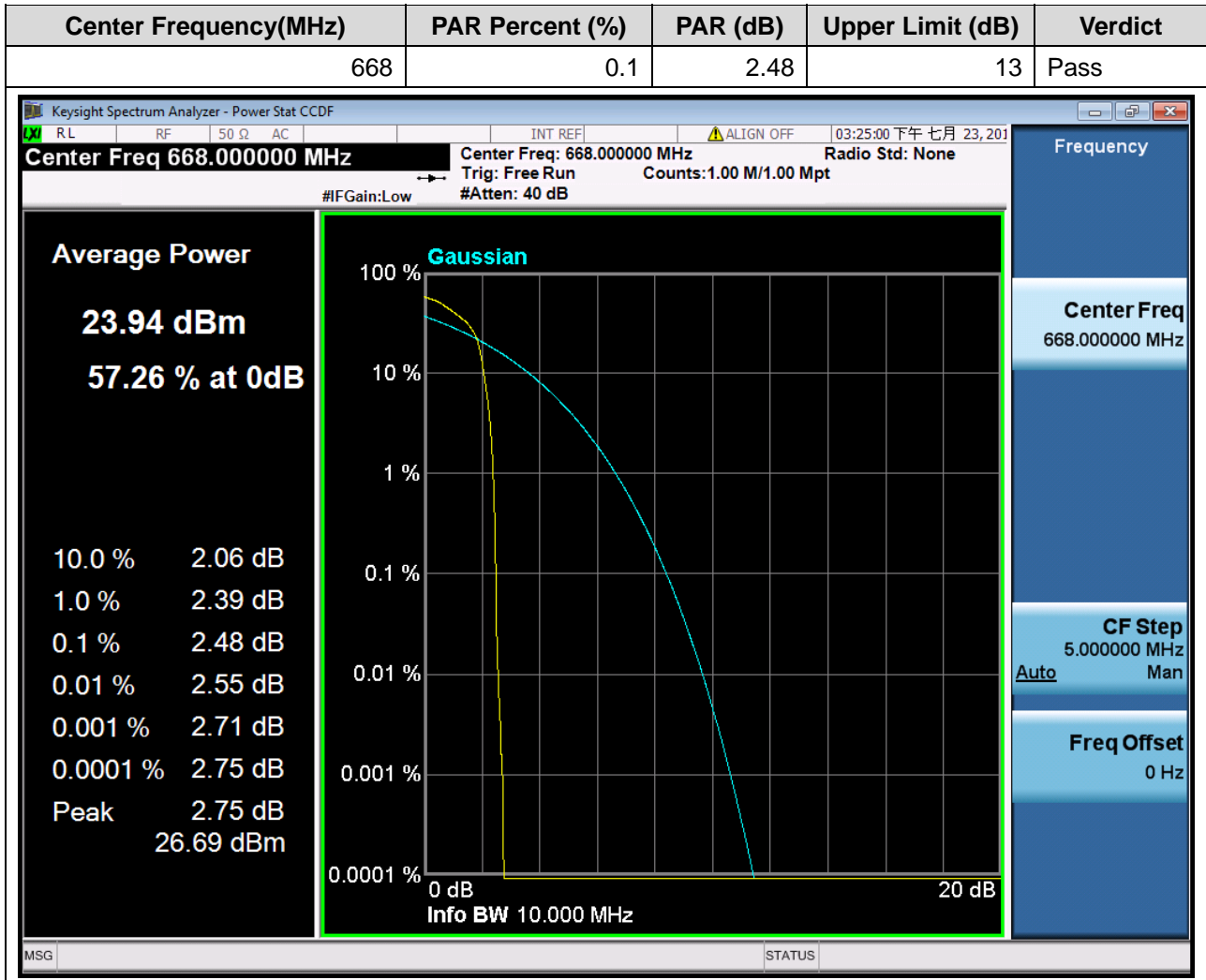


**1.55. LTE Peak to Average Ratio(NTNV)(Subtest:55, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:MID)**

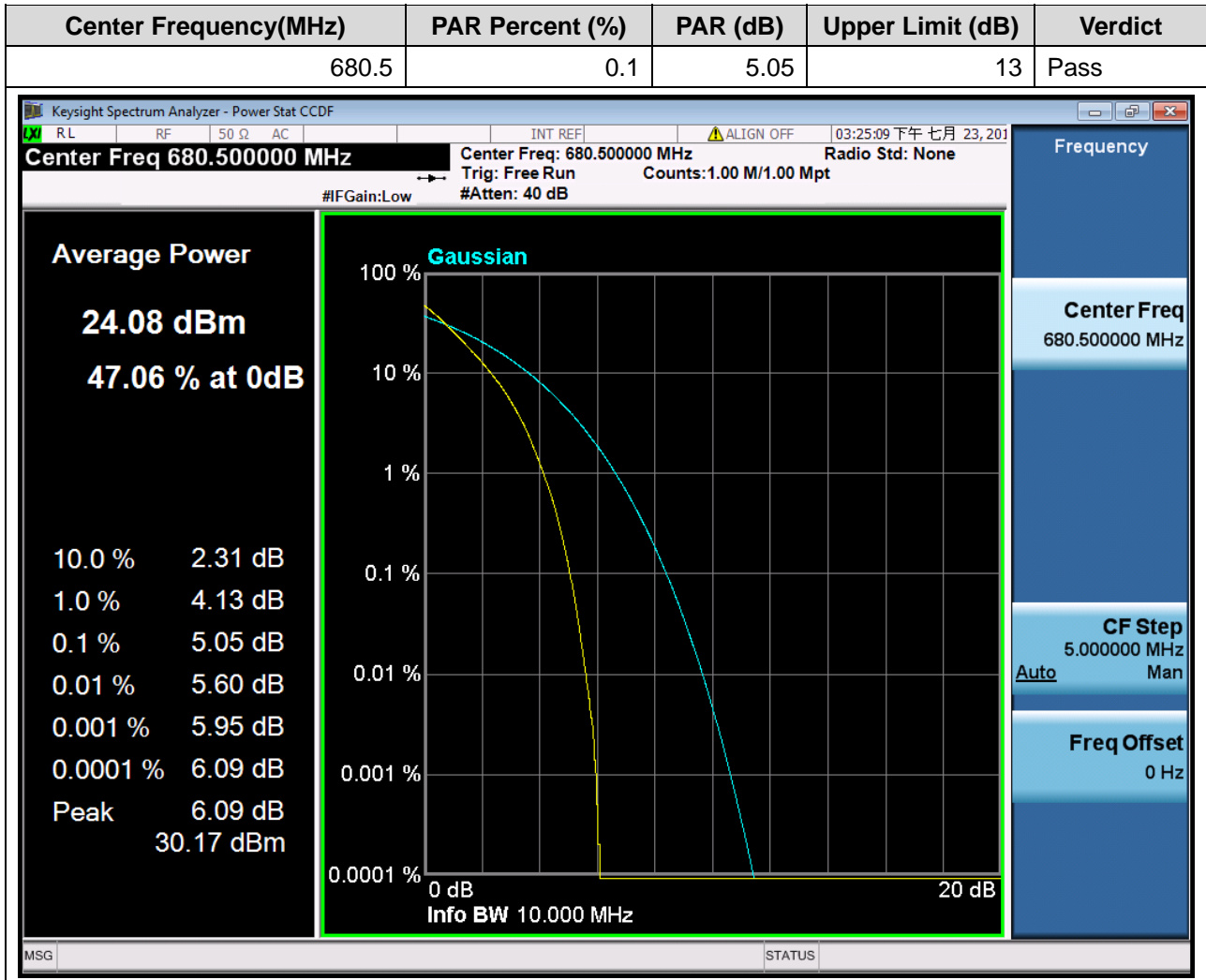




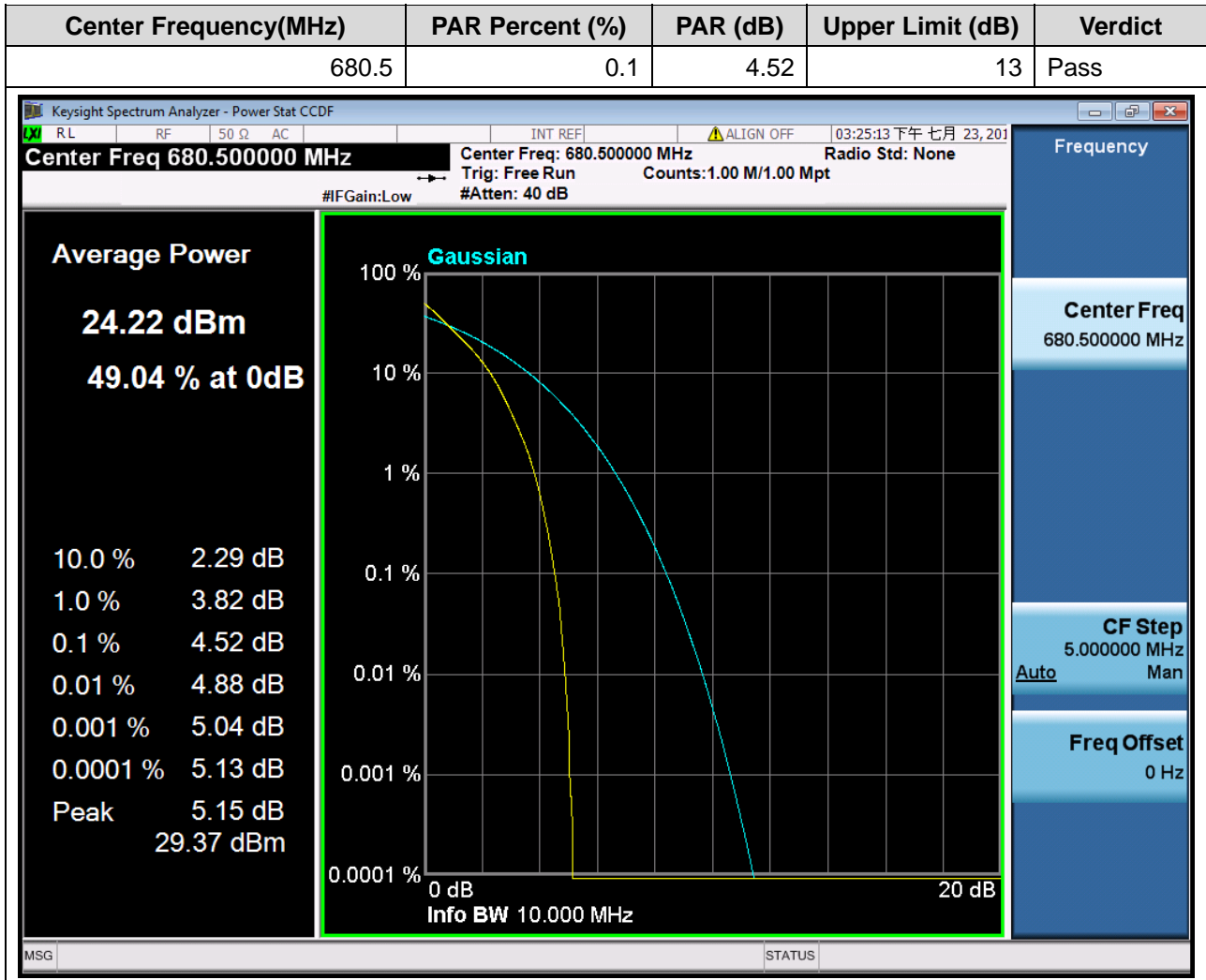
**1.56. LTE Peak to Average Ratio(NTNV)(Subtest:56, Channel:133172, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)**



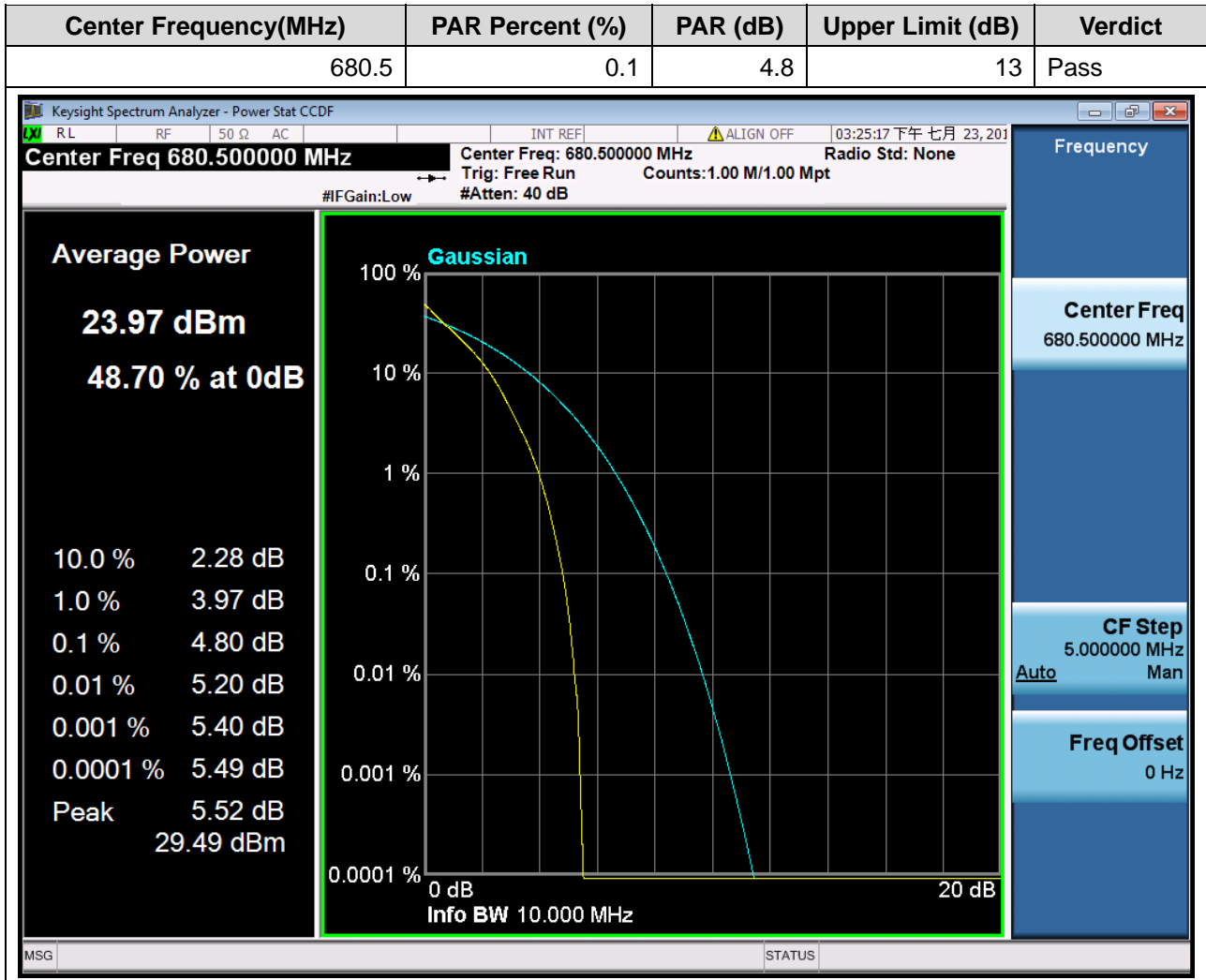
**1.57. LTE Peak to Average Ratio(NTNV)(Subtest:57, Channel:133297, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**



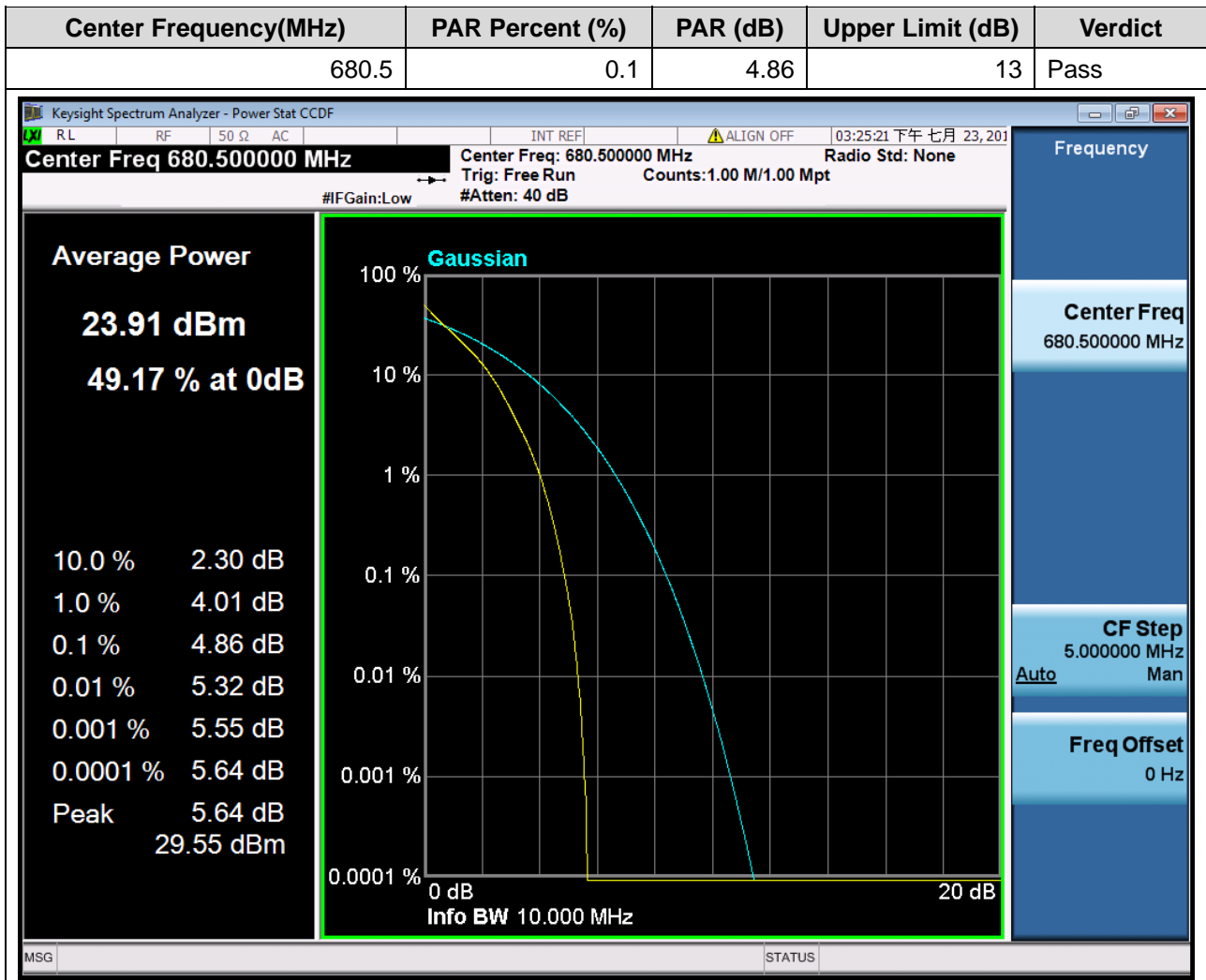
**1.58. LTE Peak to Average Ratio(NTNV)(Subtest:58, Channel:133297, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:LOW)**



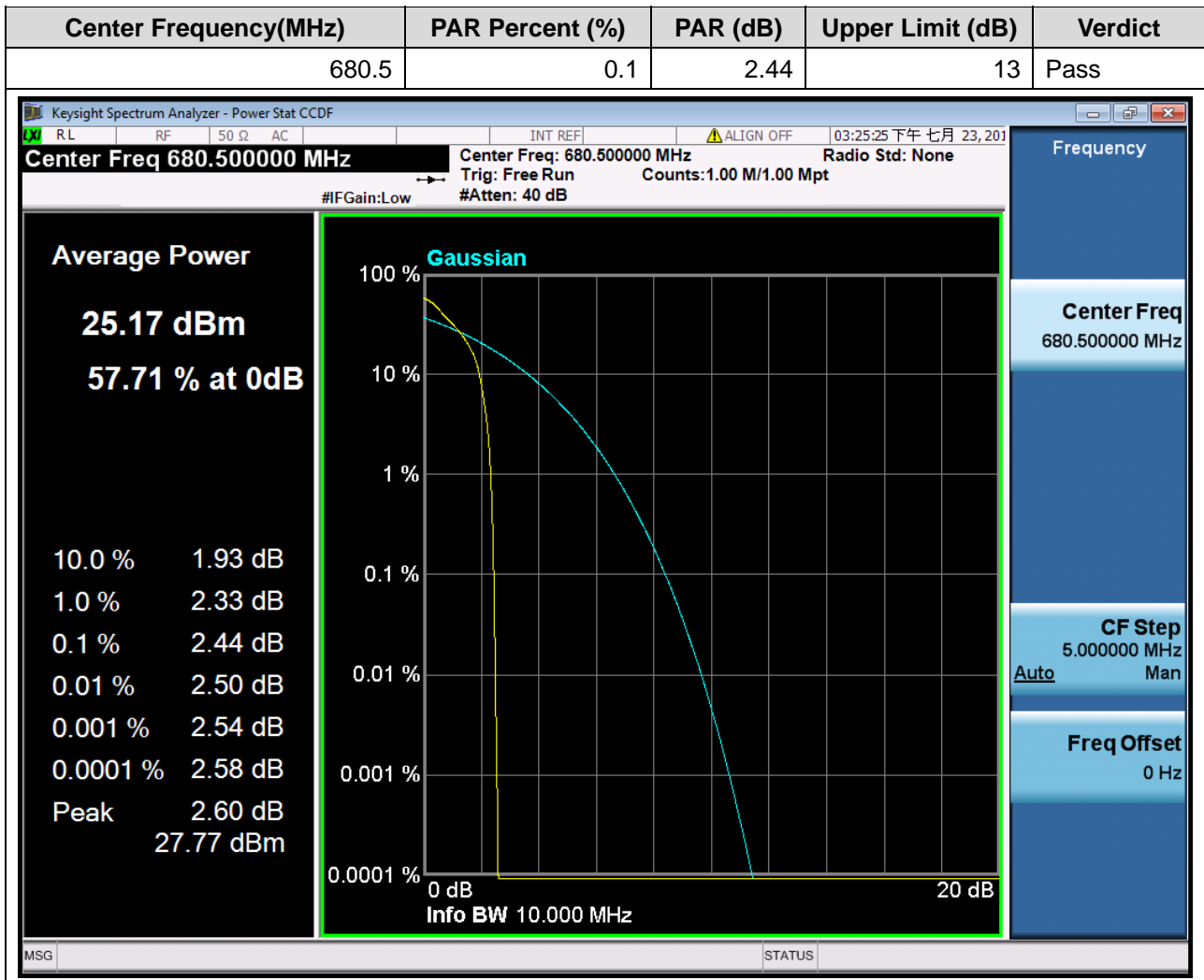
**1.59. LTE Peak to Average Ratio(NTNV)(Subtest:59, Channel:133297, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:MID)**



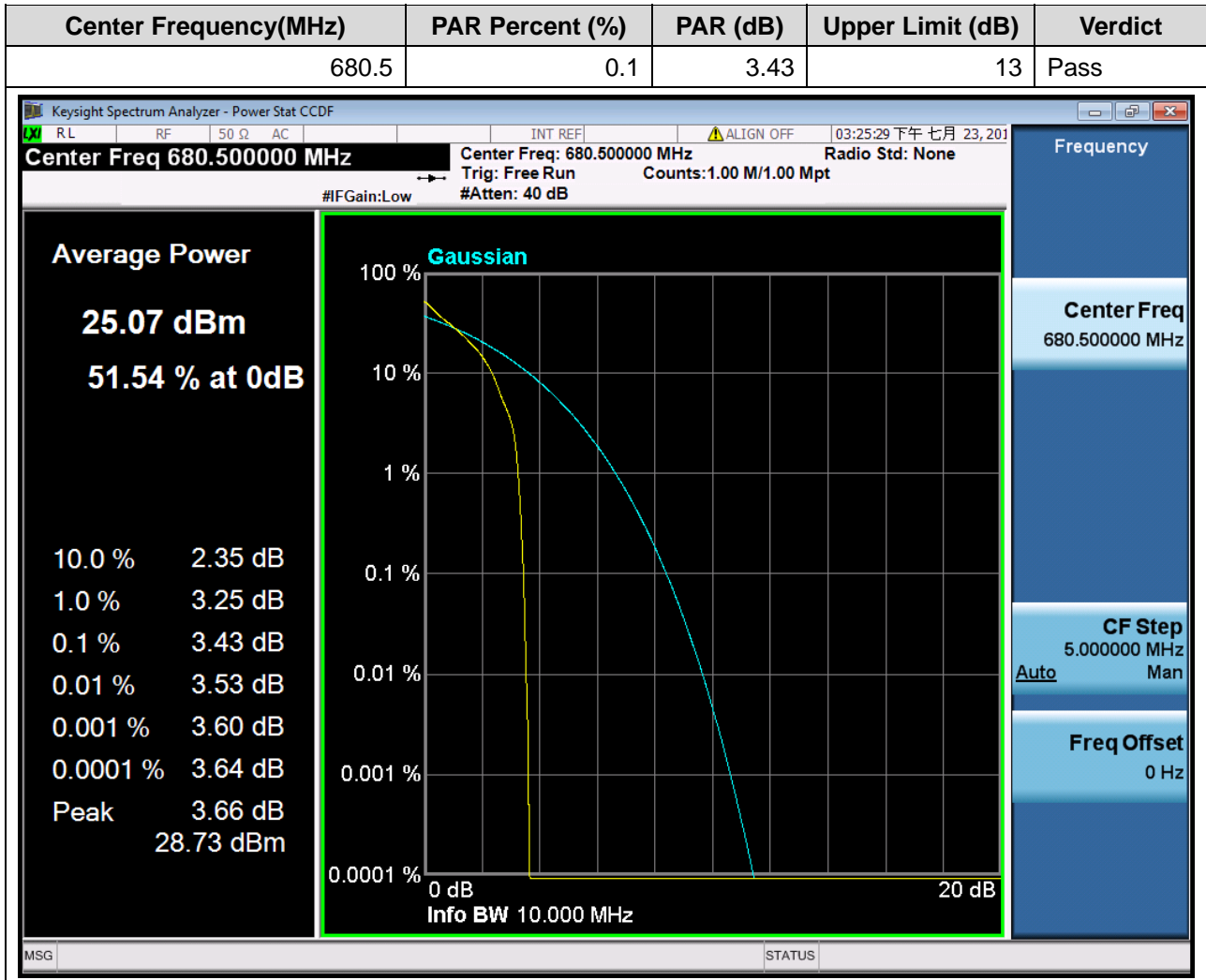
**1.60. LTE Peak to Average Ratio(NTNV)(Subtest:60, Channel:133297, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)**



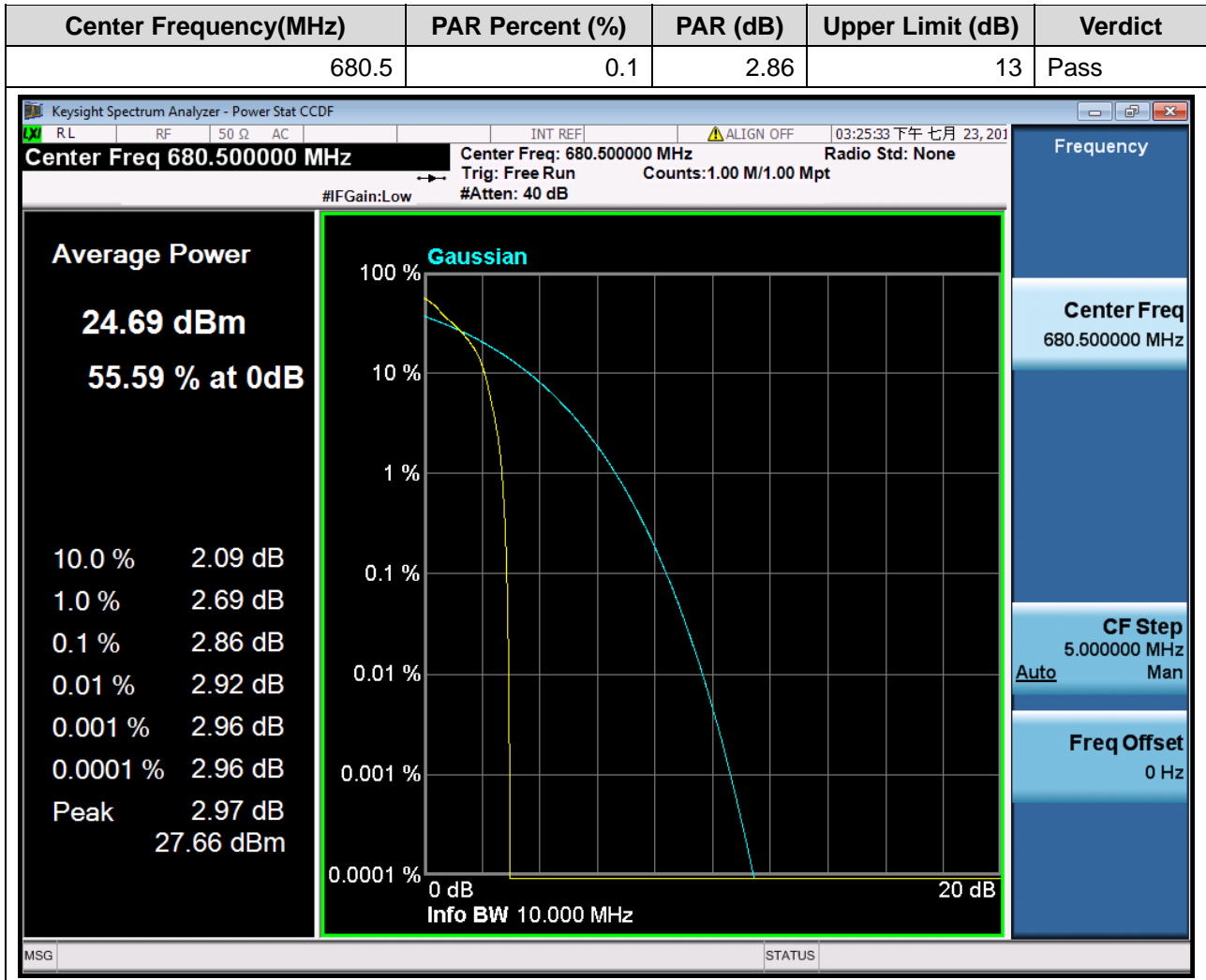
**1.61. LTE Peak to Average Ratio(NTNV)(Subtest:61, Channel:133297, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



**1.62. LTE Peak to Average Ratio(NTNV)(Subtest:62, Channel:133297, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:MID)**

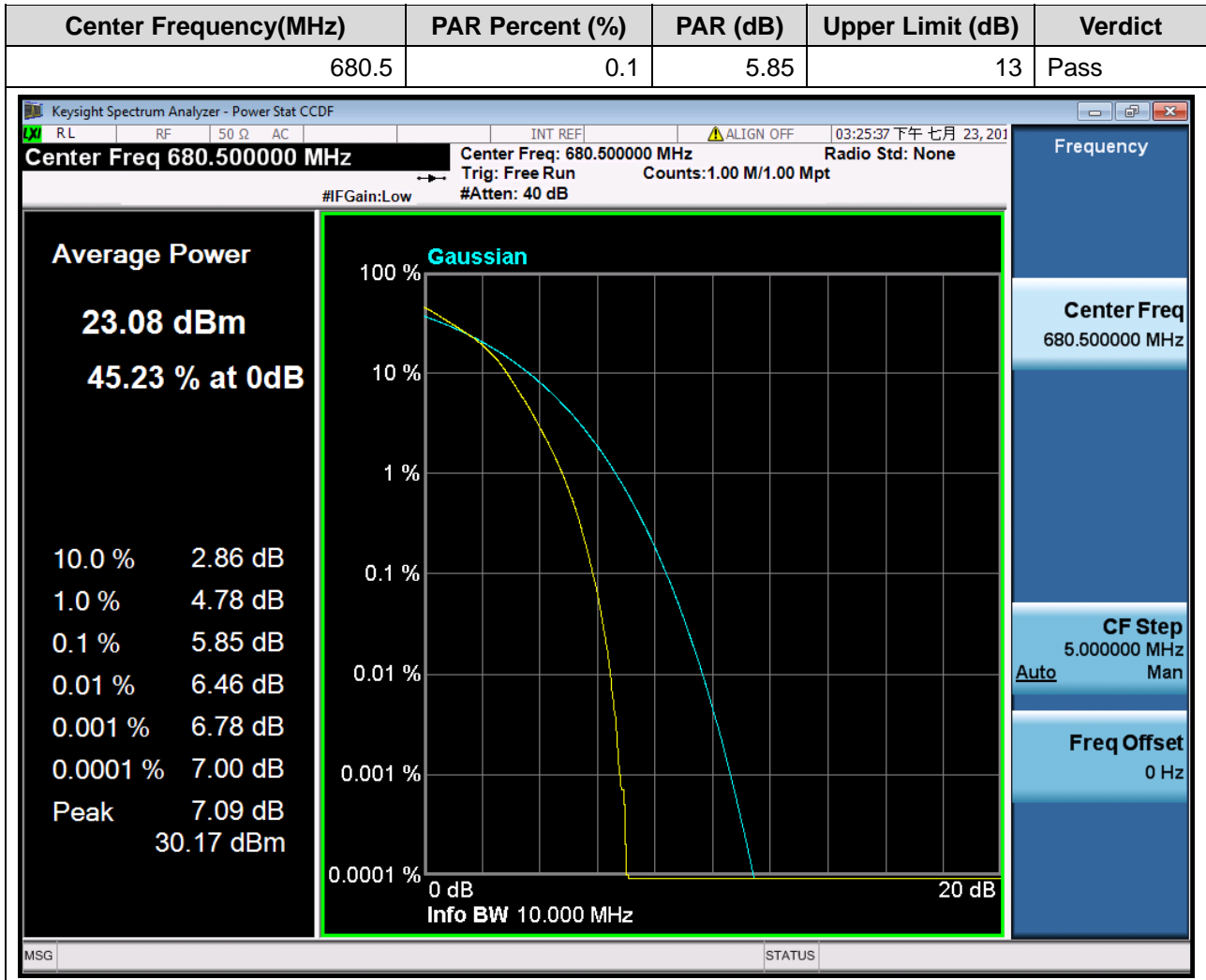


**1.63. LTE Peak to Average Ratio(NTNV)(Subtest:63, Channel:133297, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**

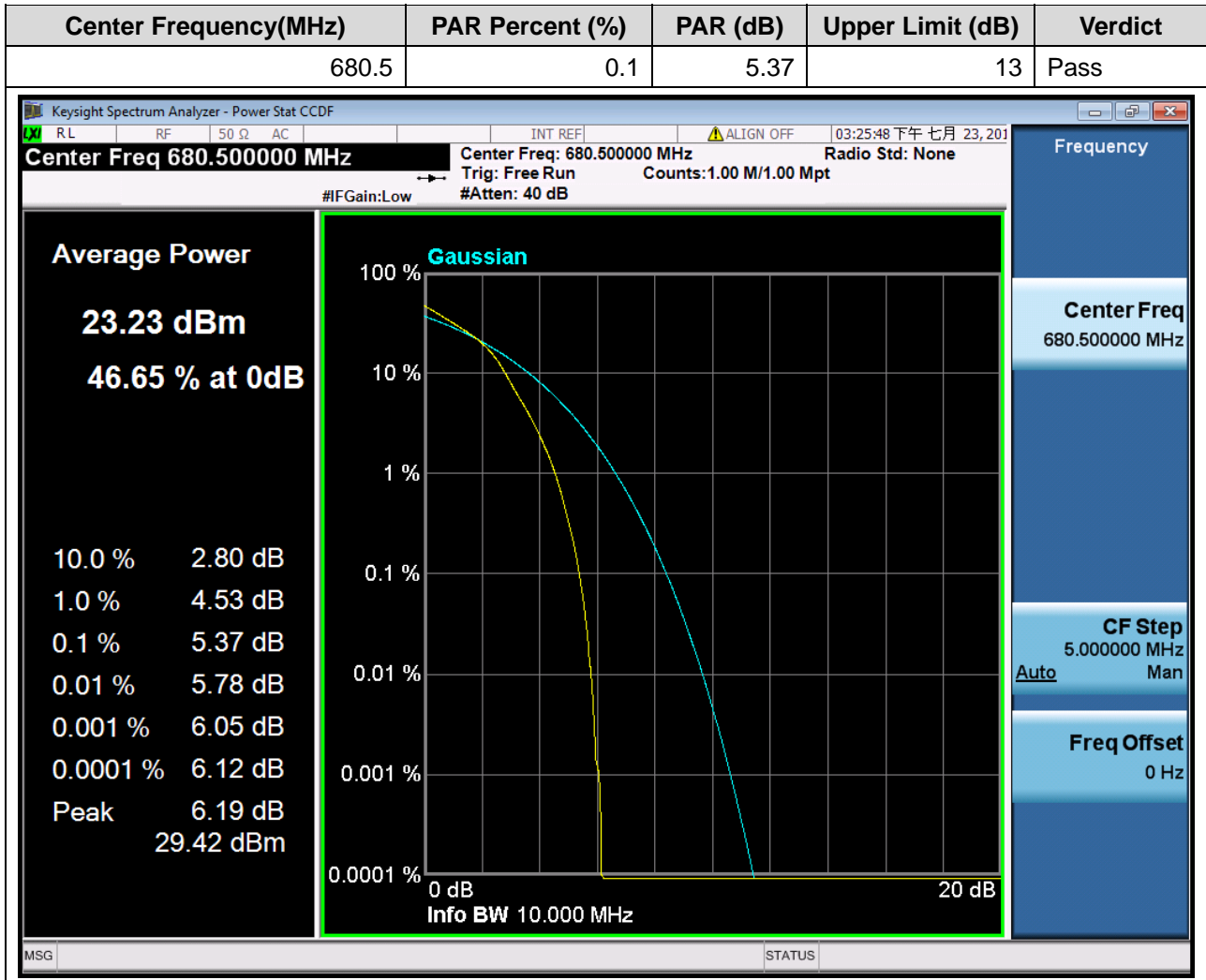




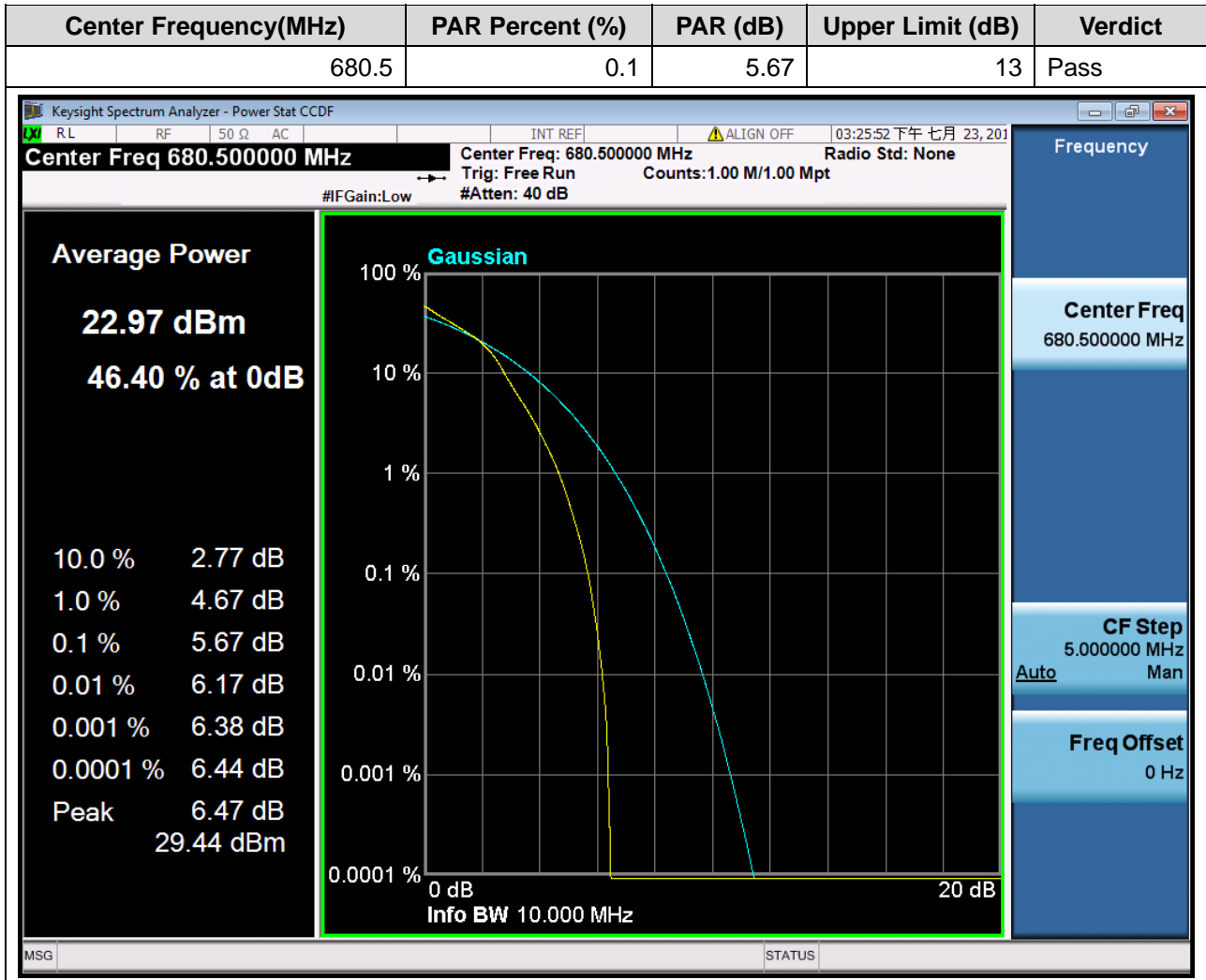
**1.64. LTE Peak to Average Ratio(NTNV)(Subtest:64, Channel:133297, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**



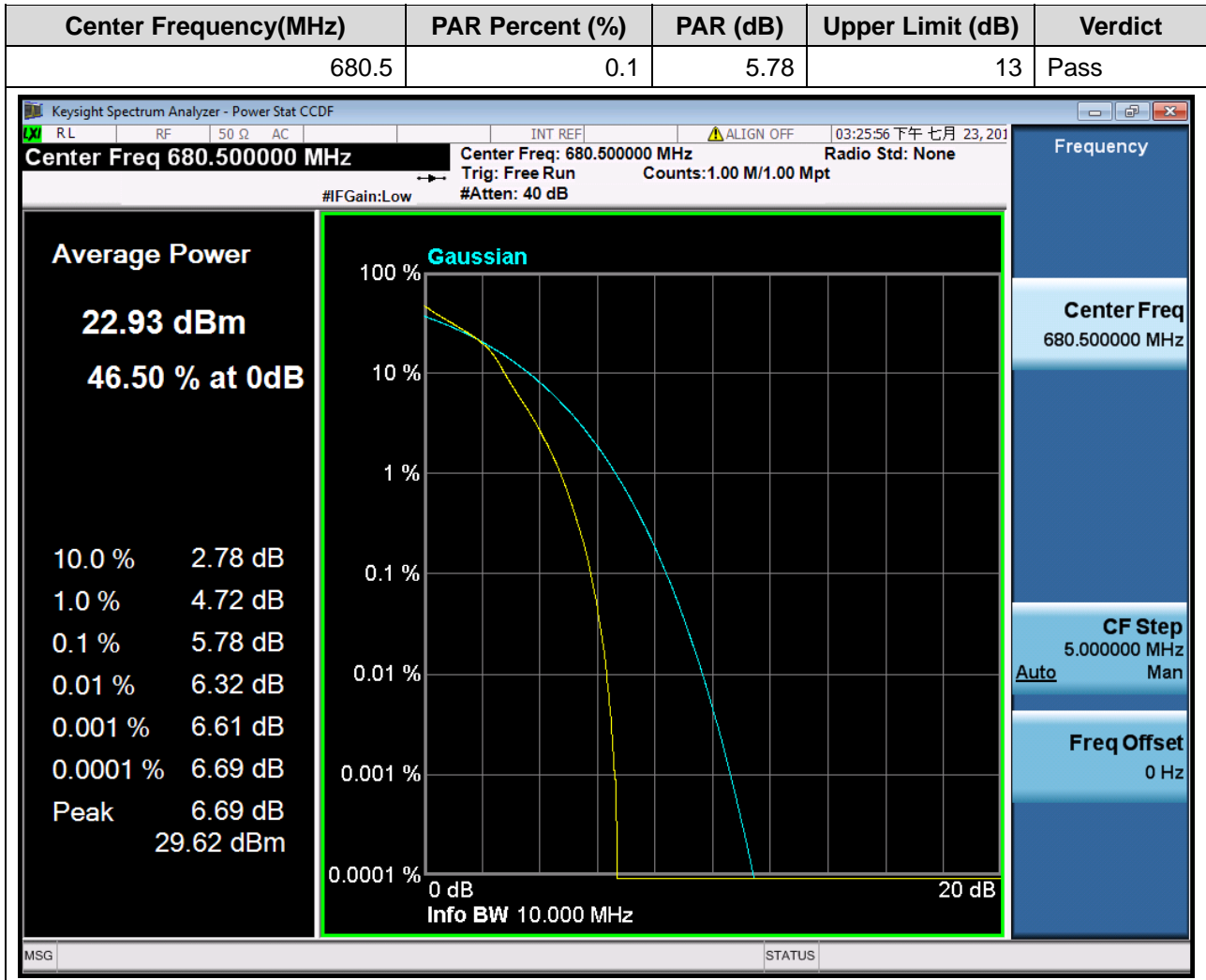
**1.65. LTE Peak to Average Ratio(NTNV)(Subtest:65, Channel:133297, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:LOW)**



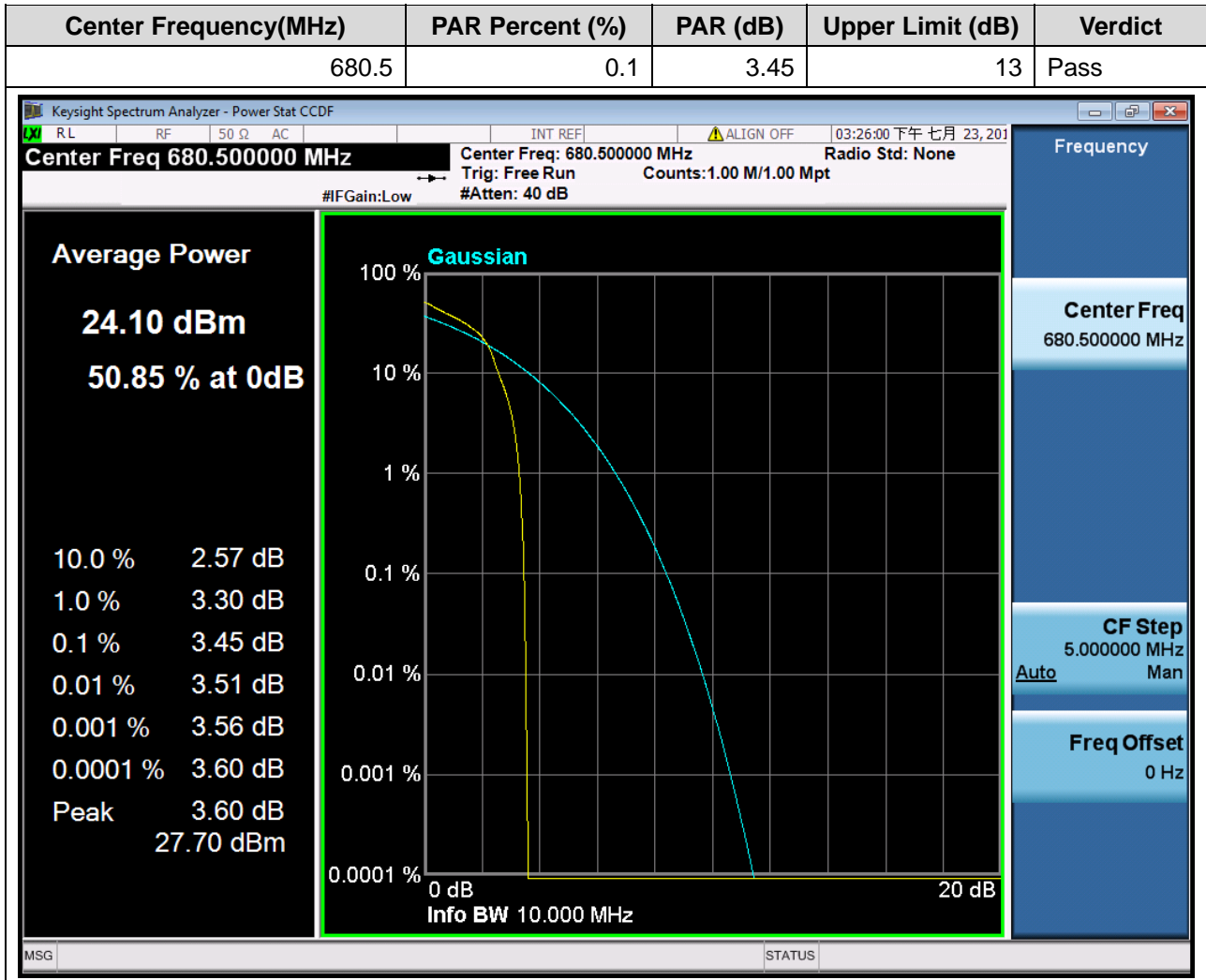
**1.66. LTE Peak to Average Ratio(NTNV)(Subtest:66, Channel:133297, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:MID)**



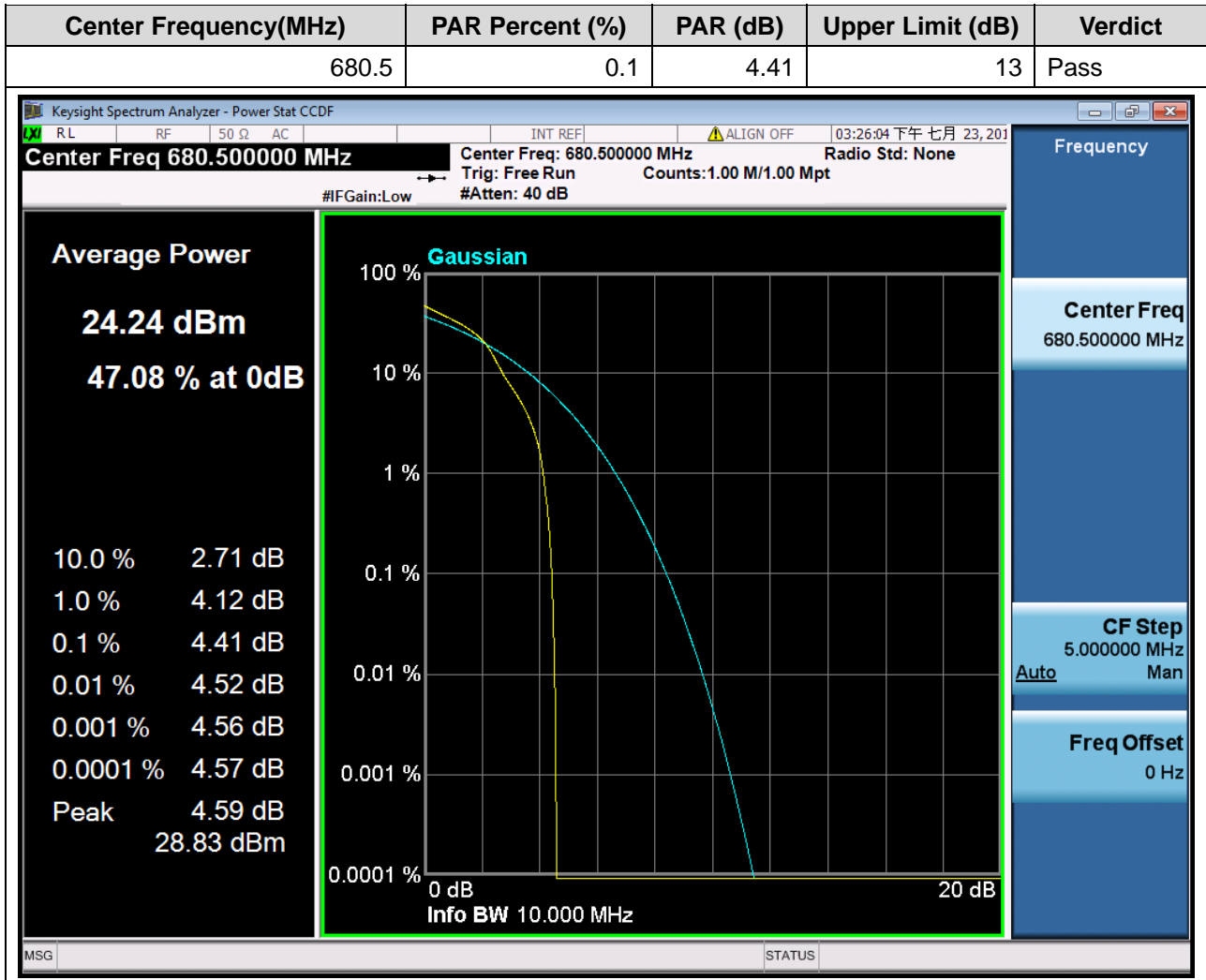
**1.67. LTE Peak to Average Ratio(NTNV)(Subtest:67, Channel:133297, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:HIGH)**



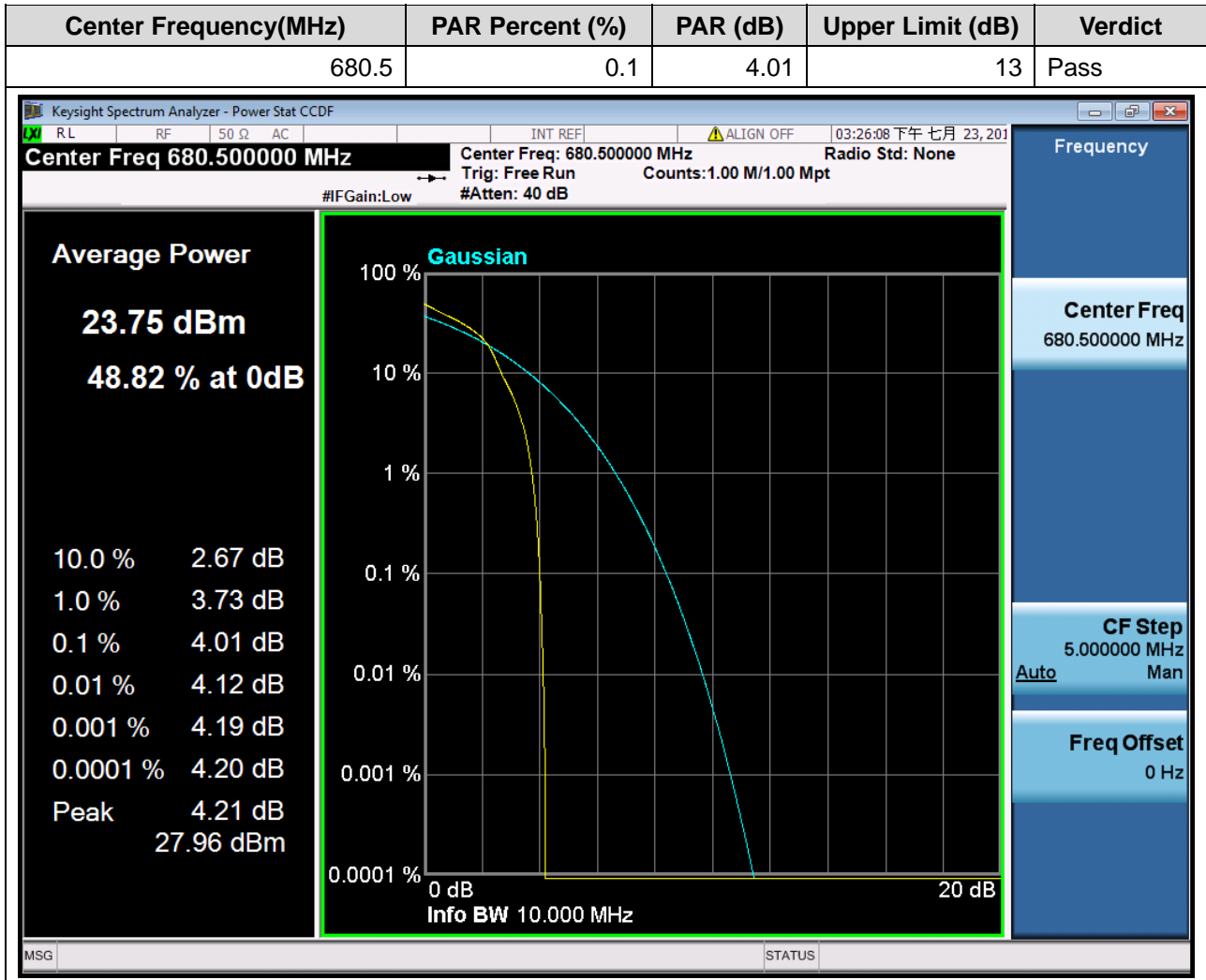
**1.68. LTE Peak to Average Ratio(NTNV)(Subtest:68, Channel:133297, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**



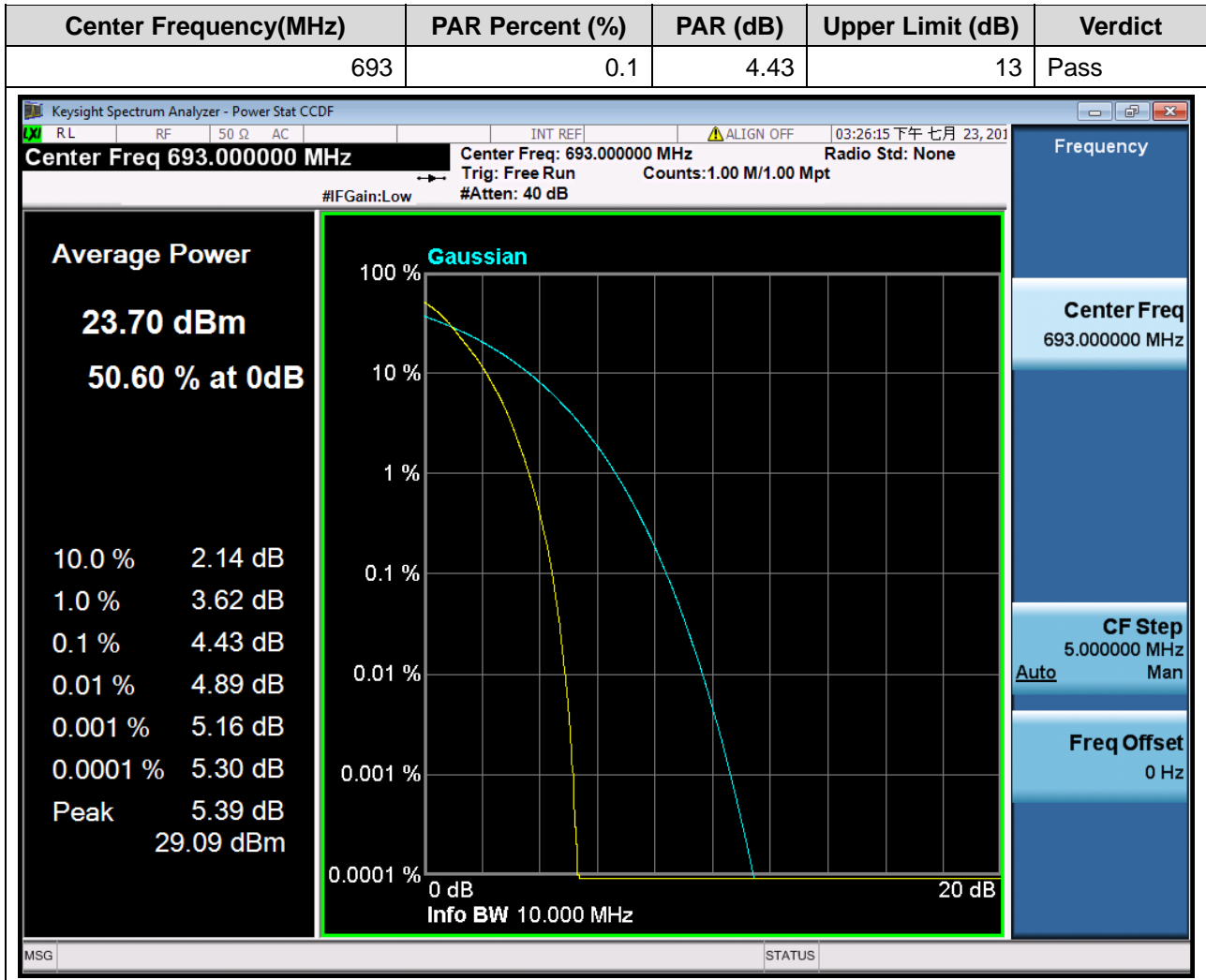
**1.69. LTE Peak to Average Ratio(NTNV)(Subtest:69, Channel:133297, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:MID)**



**1.70. LTE Peak to Average Ratio(NTNV)(Subtest:70, Channel:133297, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)**

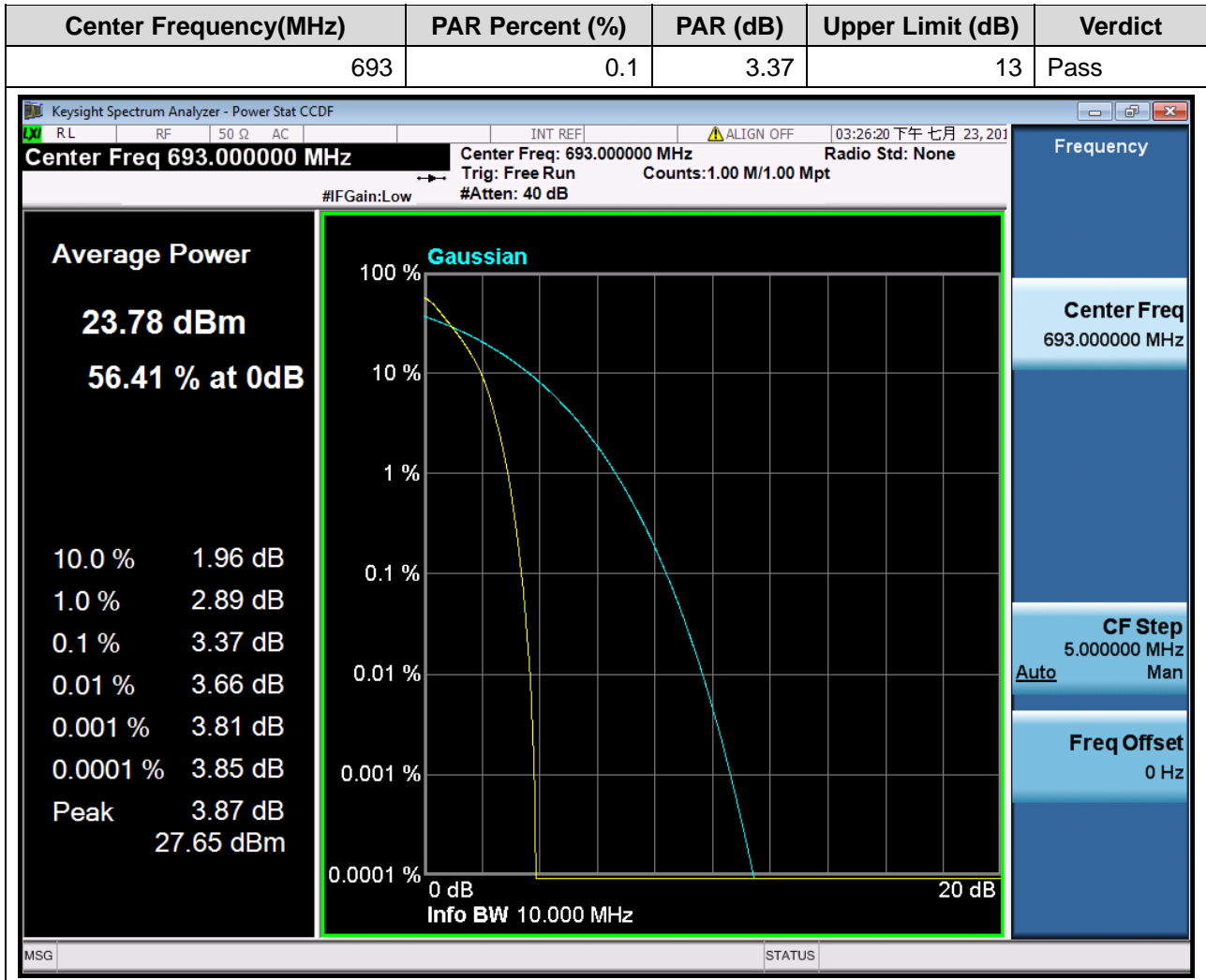


**1.71. LTE Peak to Average Ratio(NTNV)(Subtest:71, Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number: 50, RB Position:LOW)**

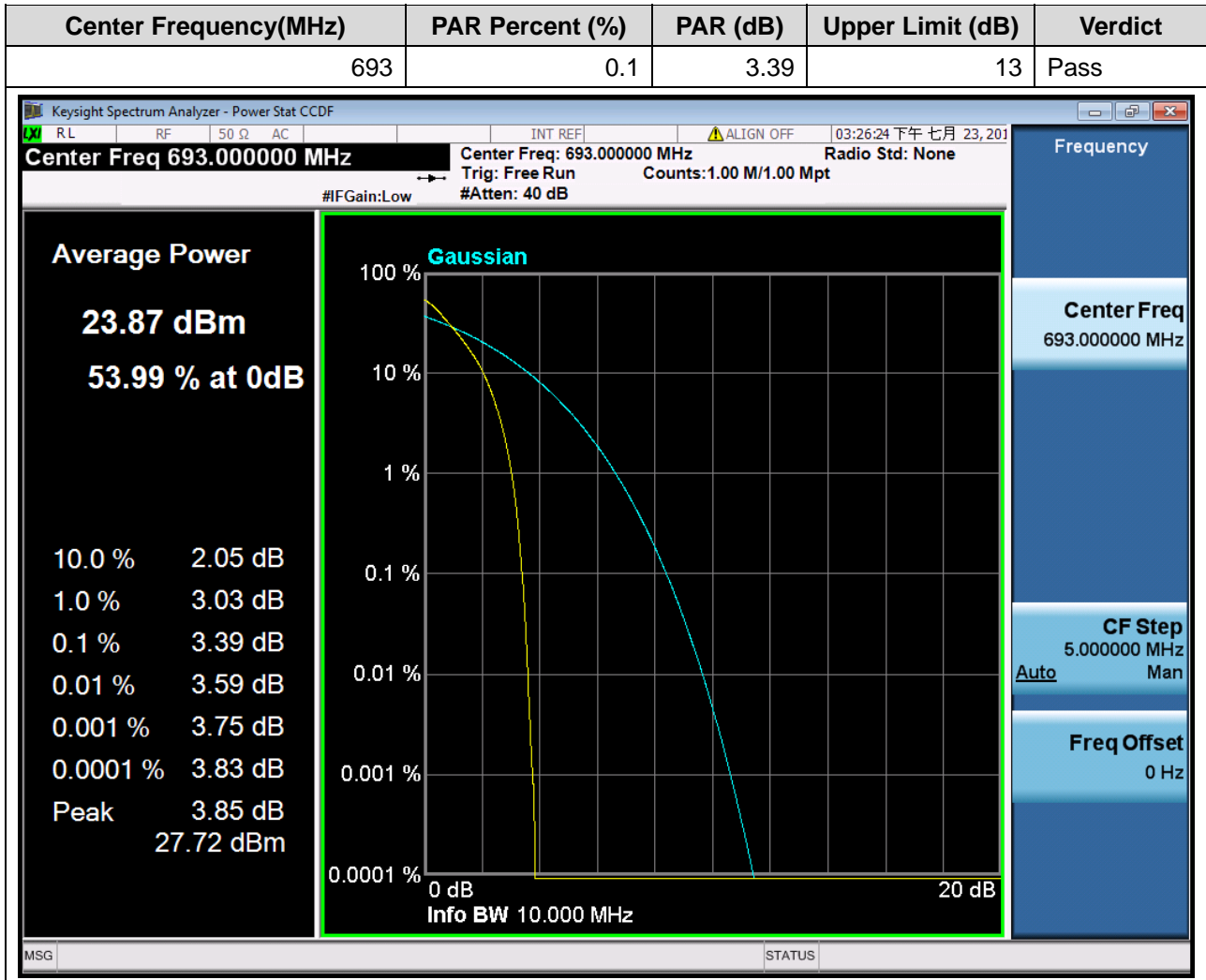




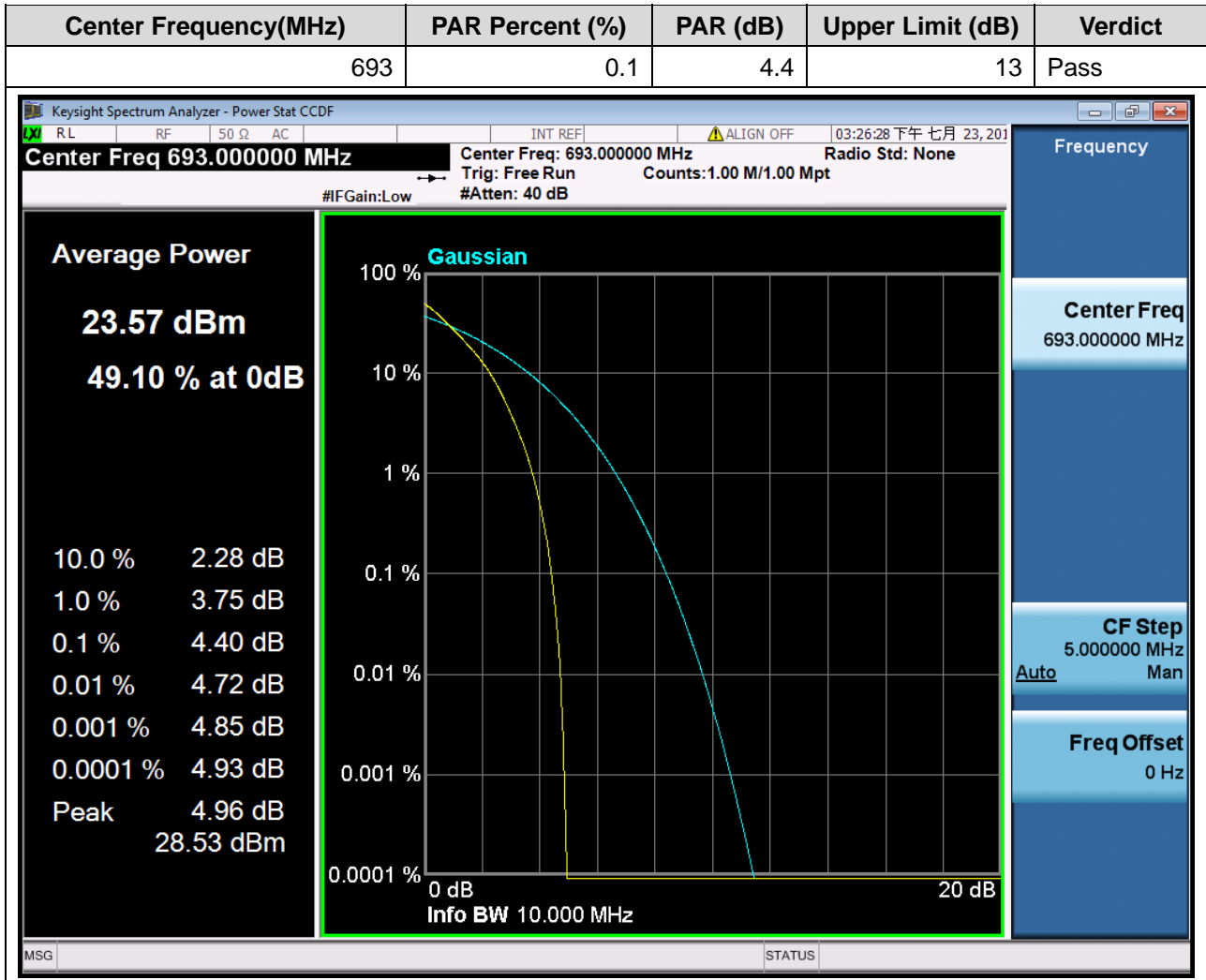
**1.72. LTE Peak to Average Ratio(NTNV)(Subtest:72, Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:LOW)**



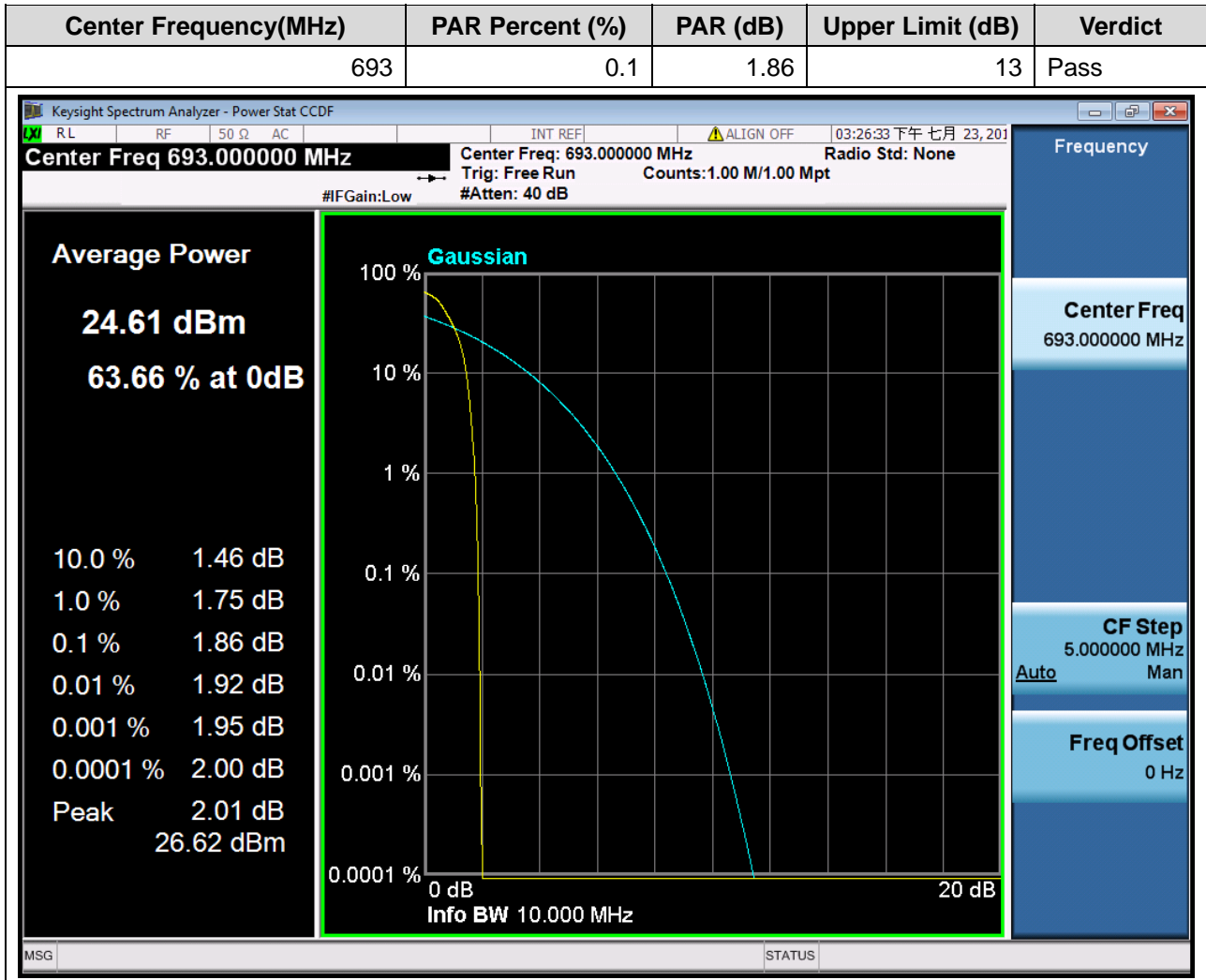
**1.73. LTE Peak to Average Ratio(NTNV)(Subtest:73, Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:MID)**



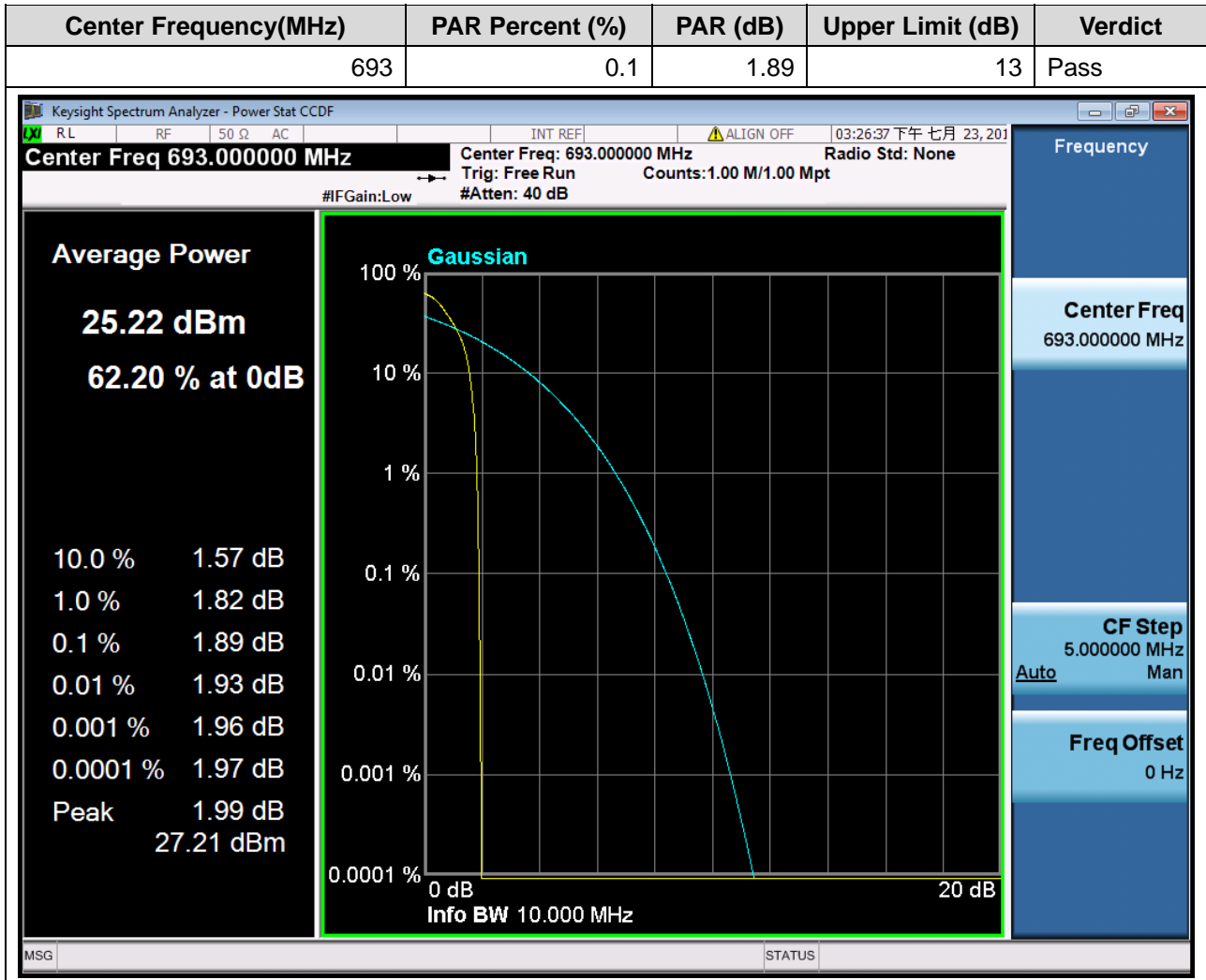
**1.74. LTE Peak to Average Ratio(NTNV)(Subtest:74, Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number: 25, RB Position:HIGH)**



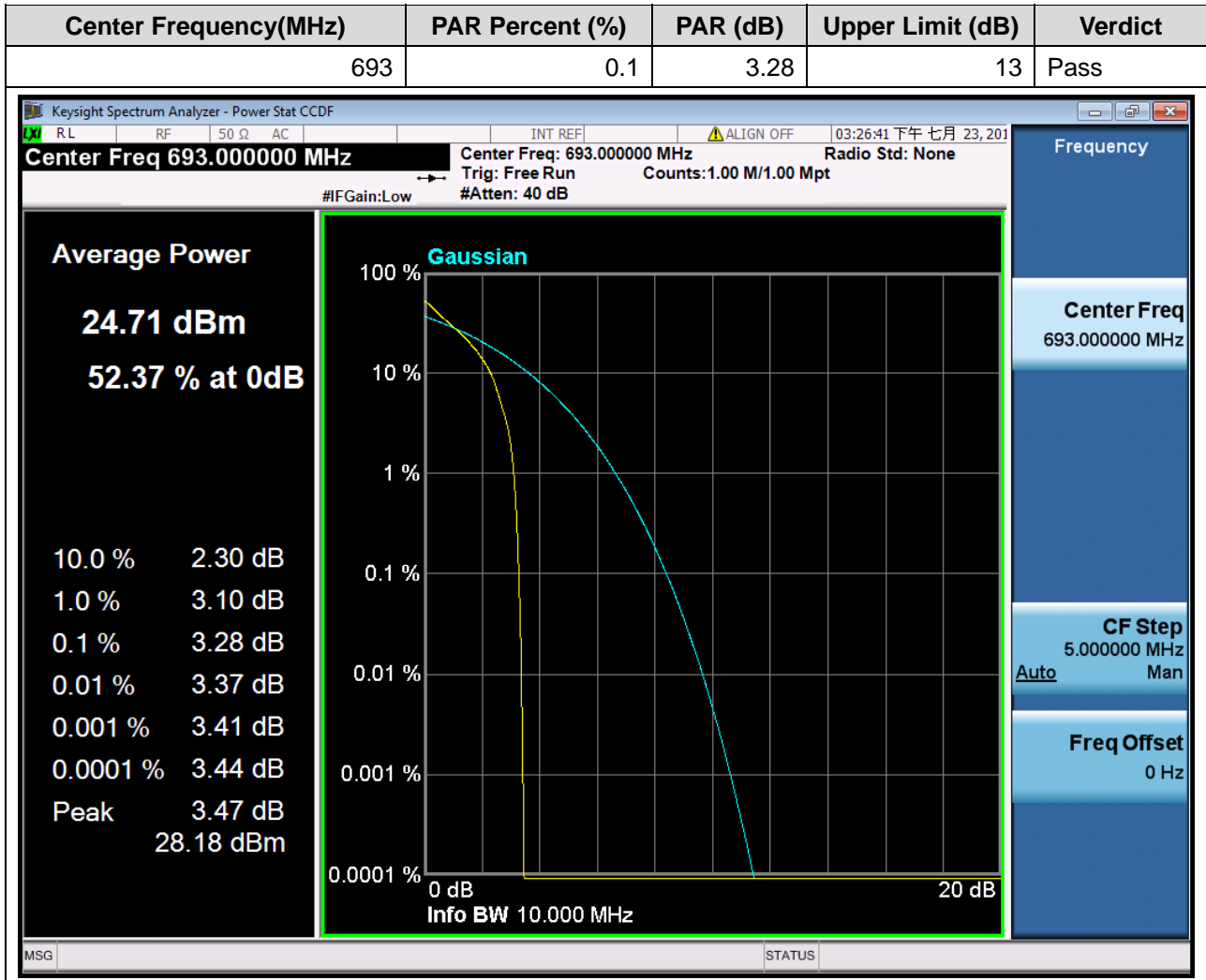
**1.75. LTE Peak to Average Ratio(NTNV)(Subtest:75, Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:LOW)**

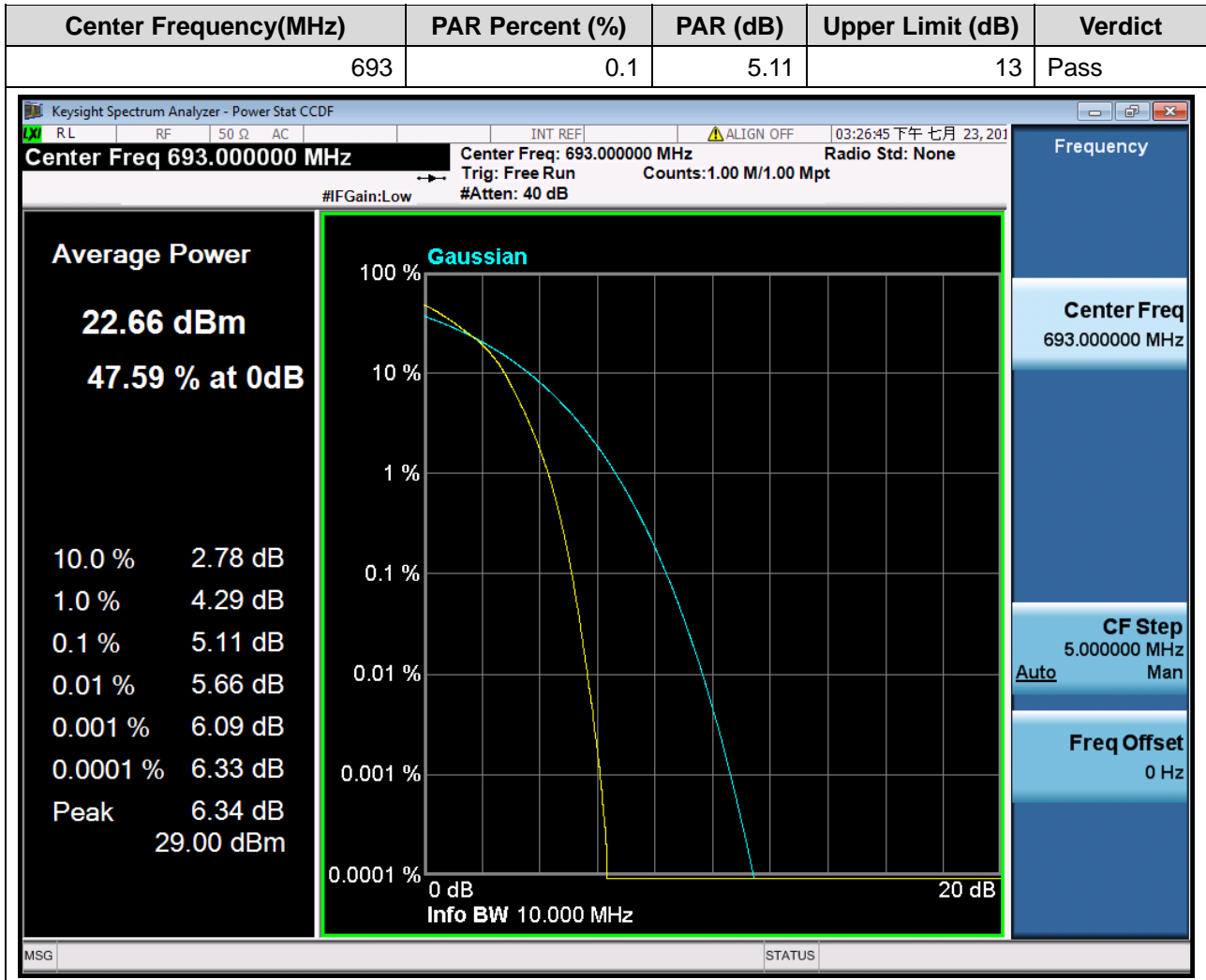


**1.76. LTE Peak to Average Ratio(NTNV)(Subtest:76, Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:MID)**

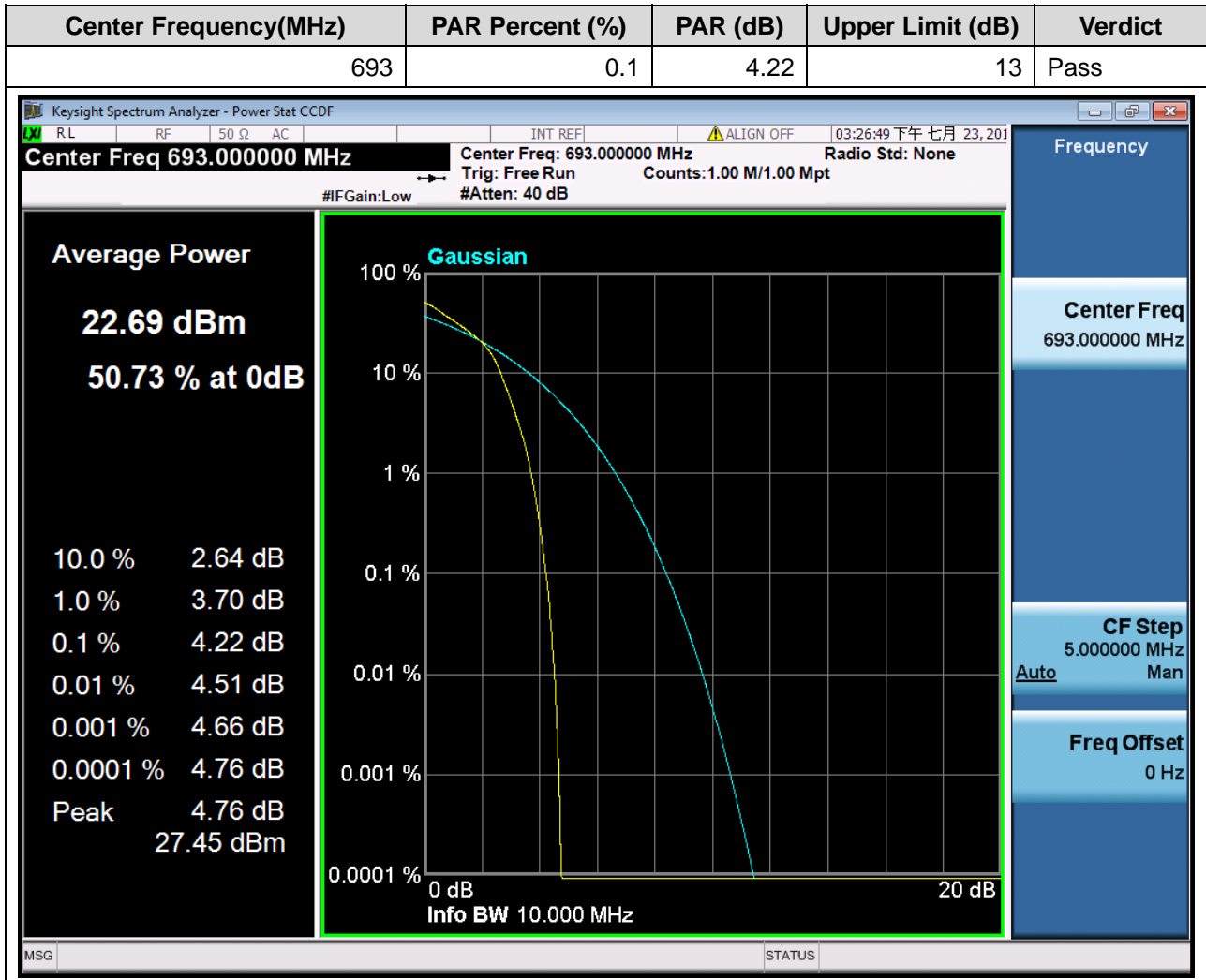


**1.77. LTE Peak to Average Ratio(NTNV)(Subtest:77, Channel:133422, Bandwidth:10, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**



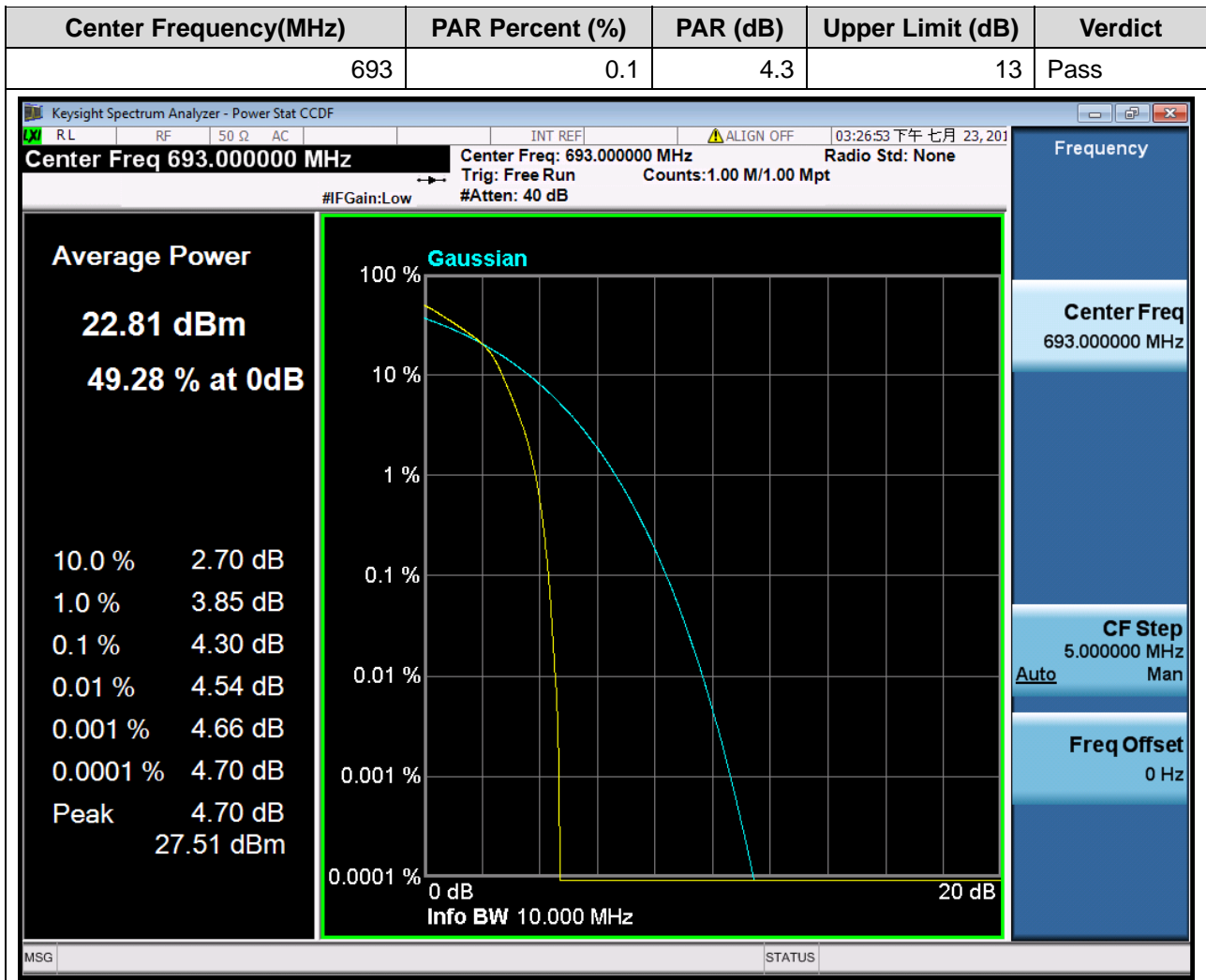
**1.78. LTE Peak to Average Ratio(NTNV)(Subtest:78, Channel:133422, Bandwidth:10, Modulation:Q16, RB Number: 50, RB Position:LOW)**


**1.79. LTE Peak to Average Ratio(NTNV)(Subtest:79, Channel:133422, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:LOW)**

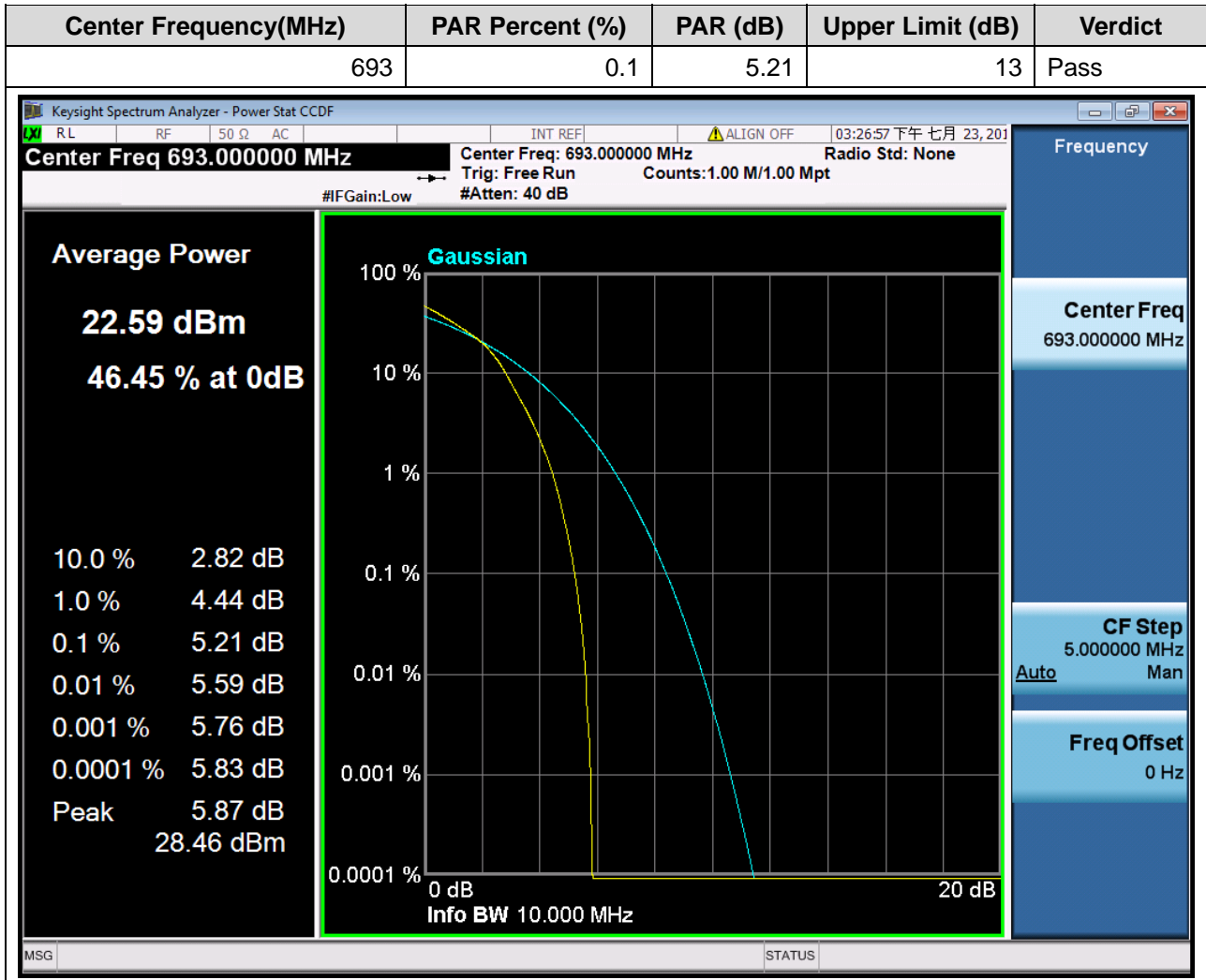




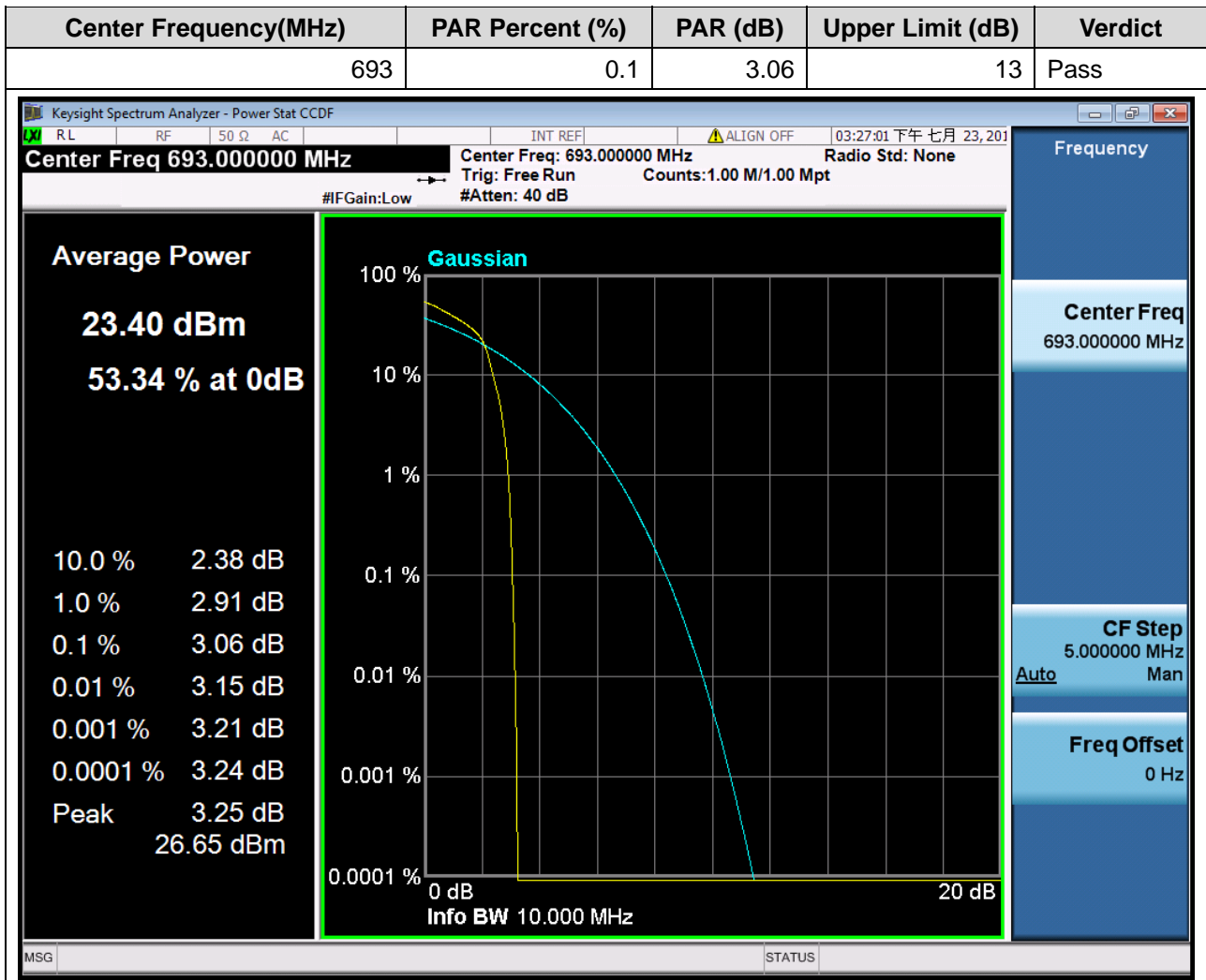
**1.80. LTE Peak to Average Ratio(NTNV)(Subtest:80, Channel:133422, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:MID)**



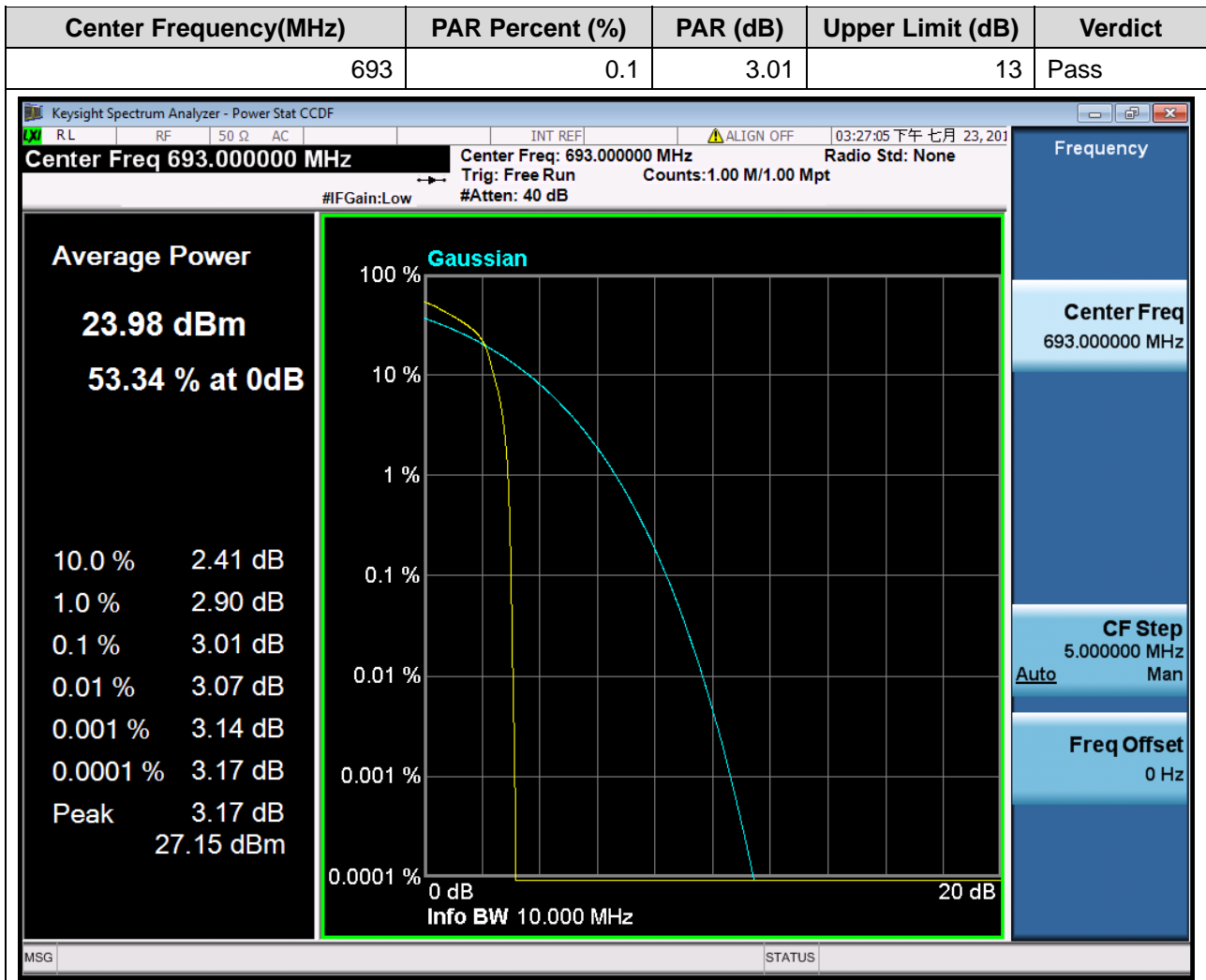
**1.81. LTE Peak to Average Ratio(NTNV)(Subtest:81, Channel:133422, Bandwidth:10, Modulation:Q16, RB Number: 25, RB Position:HIGH)**



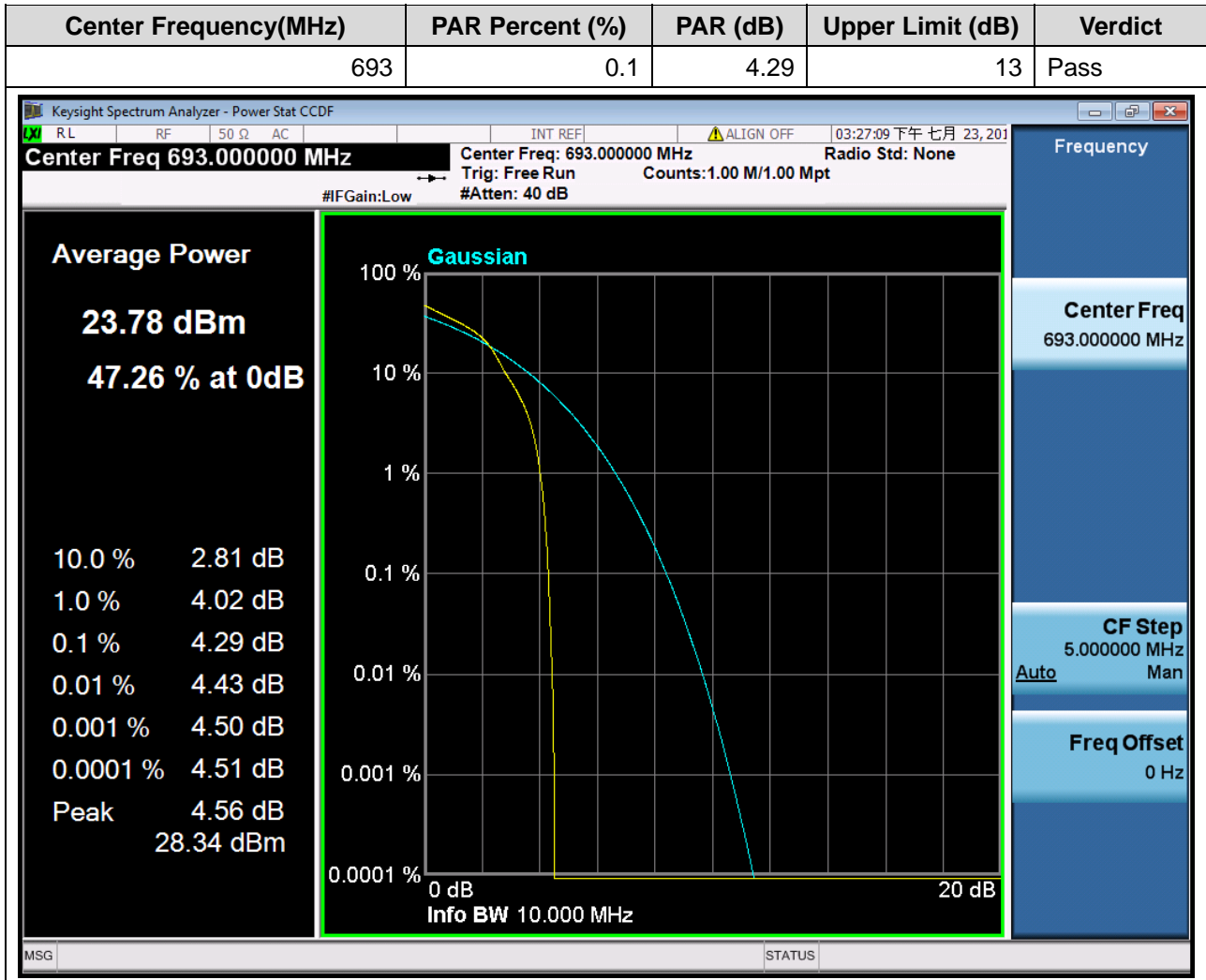
**1.82. LTE Peak to Average Ratio(NTNV)(Subtest:82, Channel:133422, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:LOW)**



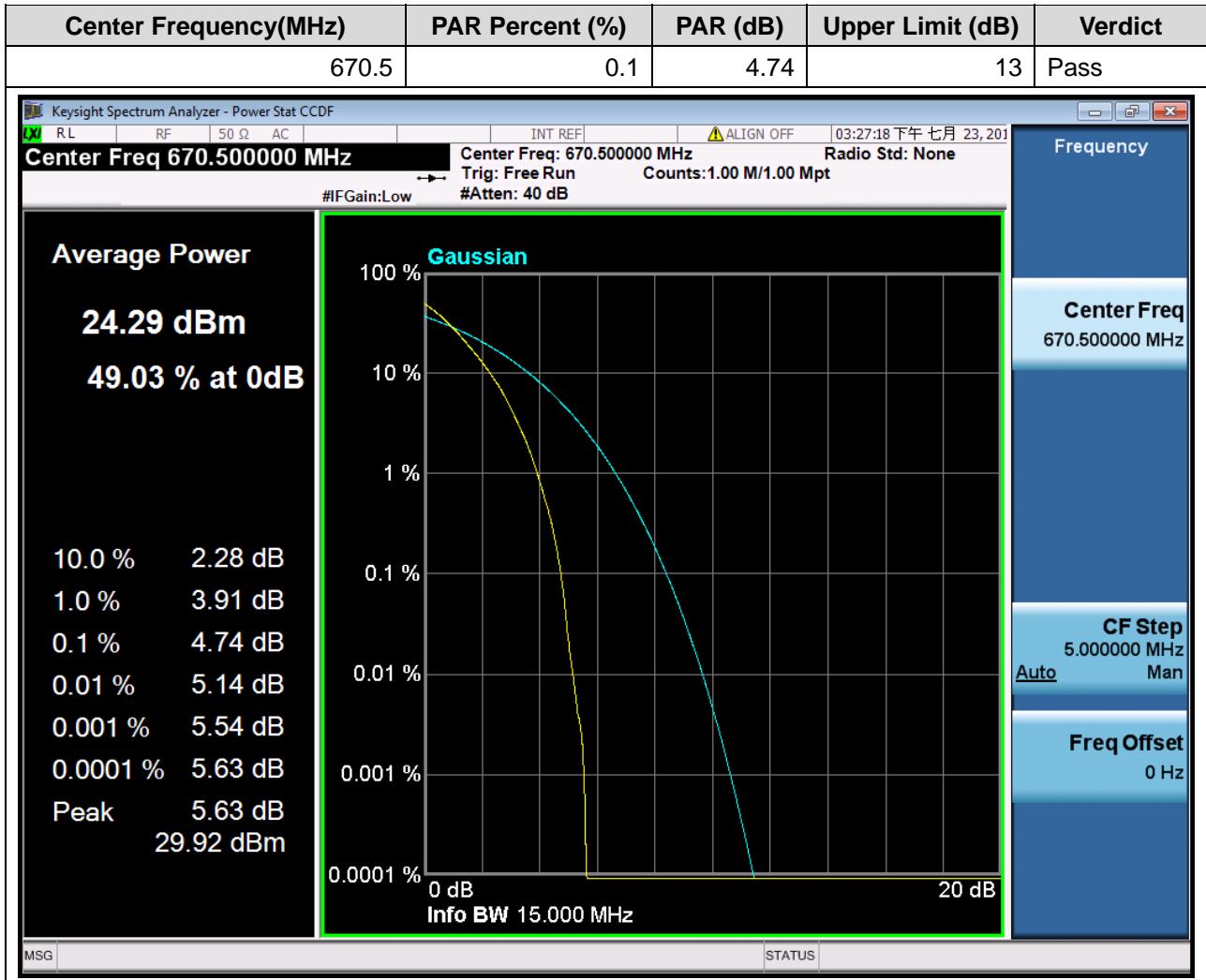
**1.83. LTE Peak to Average Ratio(NTNV)(Subtest:83, Channel:133422, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:MID)**



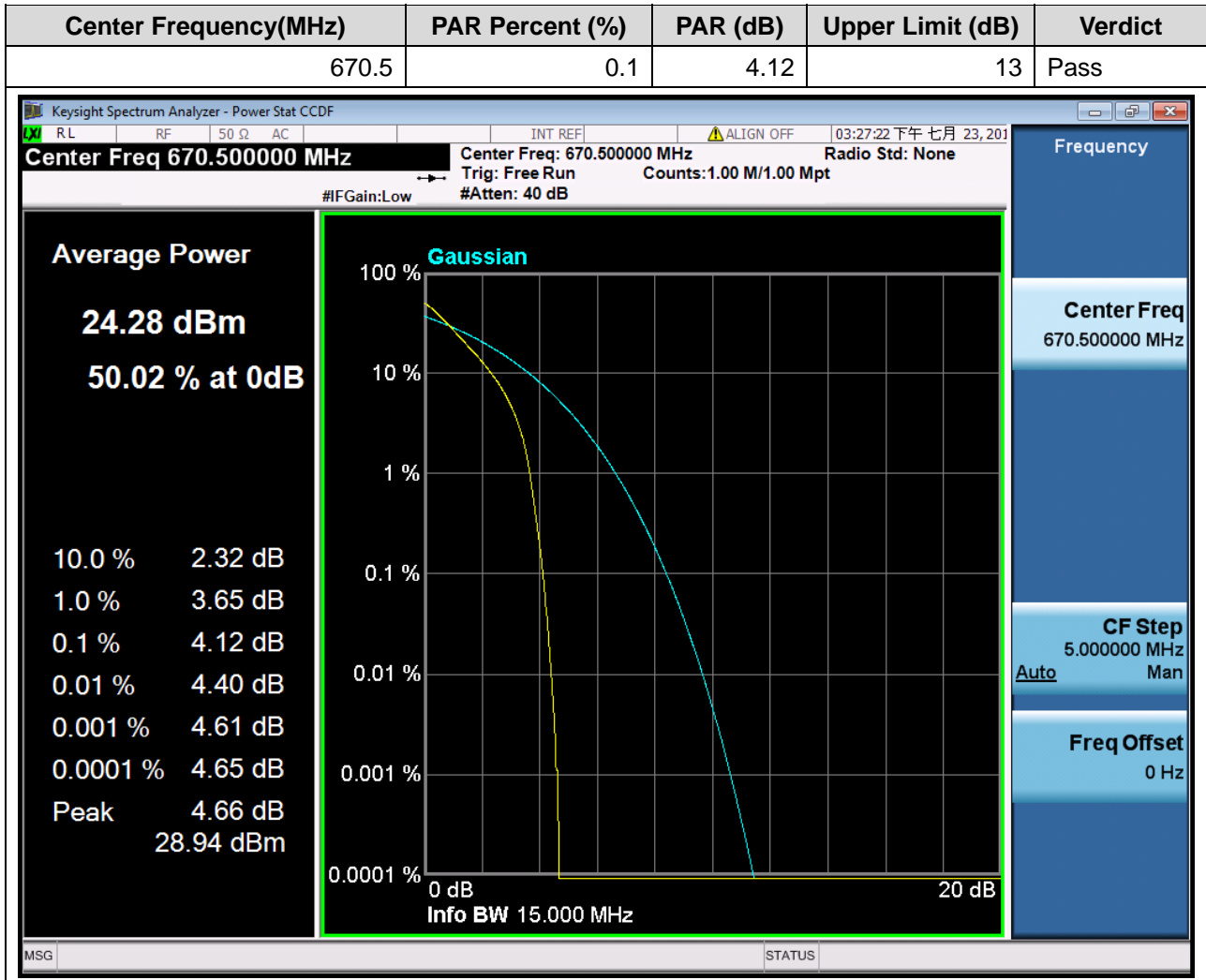
**1.84. LTE Peak to Average Ratio(NTNV)(Subtest:84, Channel:133422, Bandwidth:10, Modulation:Q16, RB Number: 1, RB Position:HIGH)**



**1.85. LTE Peak to Average Ratio(NTNV)(Subtest:85, Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number: 75, RB Position:LOW)**

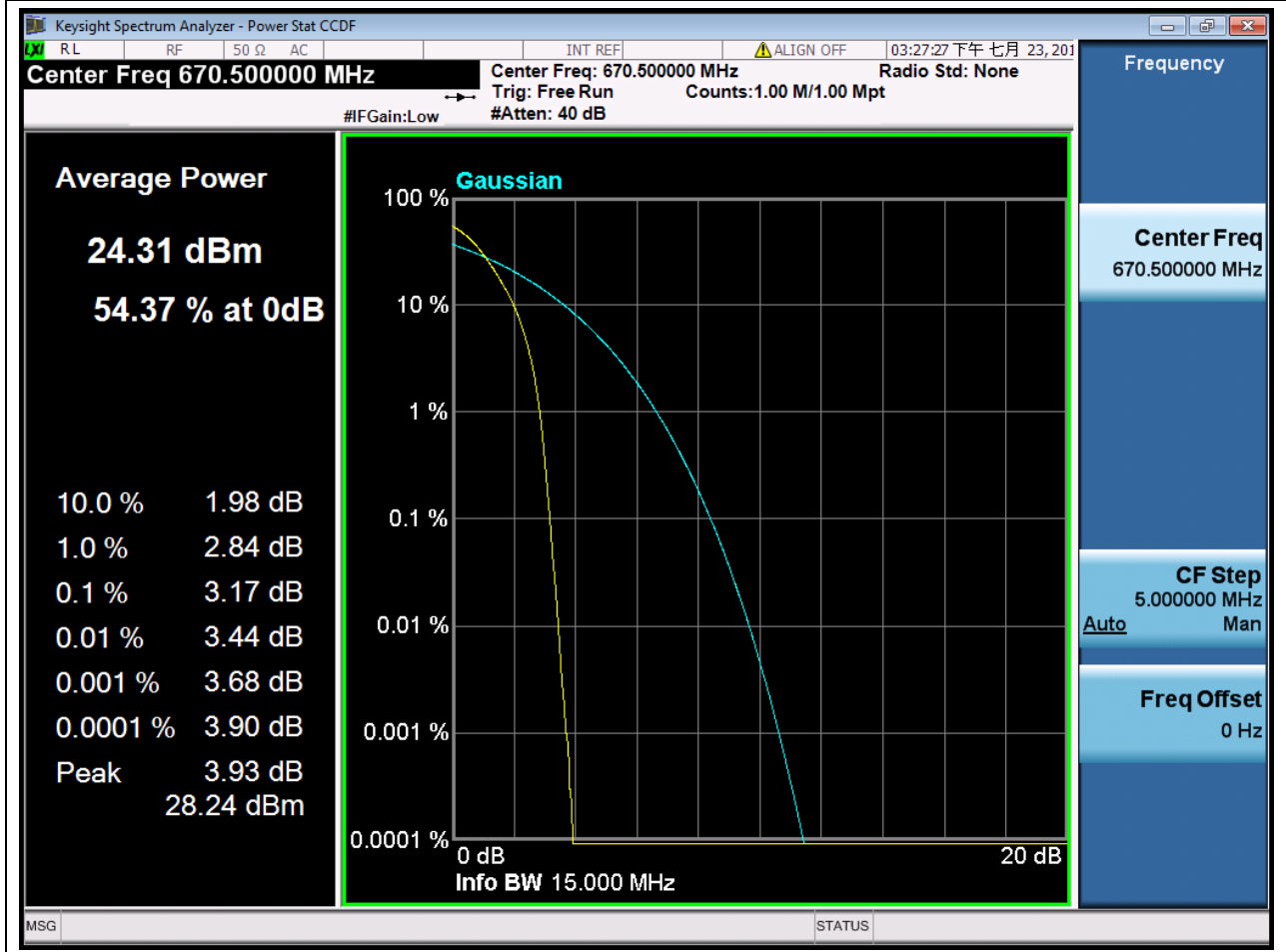


**1.86. LTE Peak to Average Ratio(NTNV)(Subtest:86, Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:LOW)**



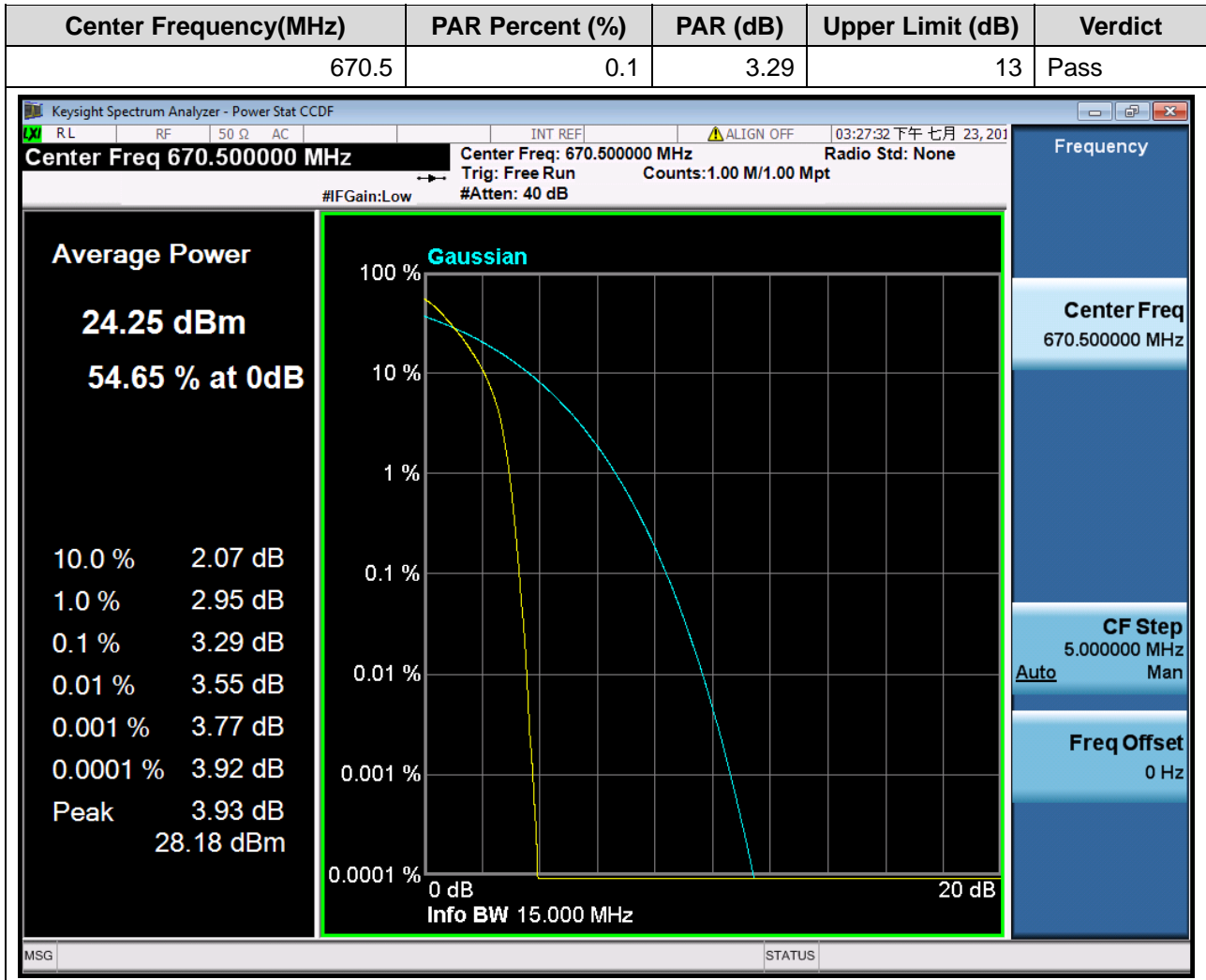
**1.87. LTE Peak to Average Ratio(NTNV)(Subtest:87, Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:MID)**

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Upper Limit (dB)	Verdict
670.5	0.1	3.17	13	Pass

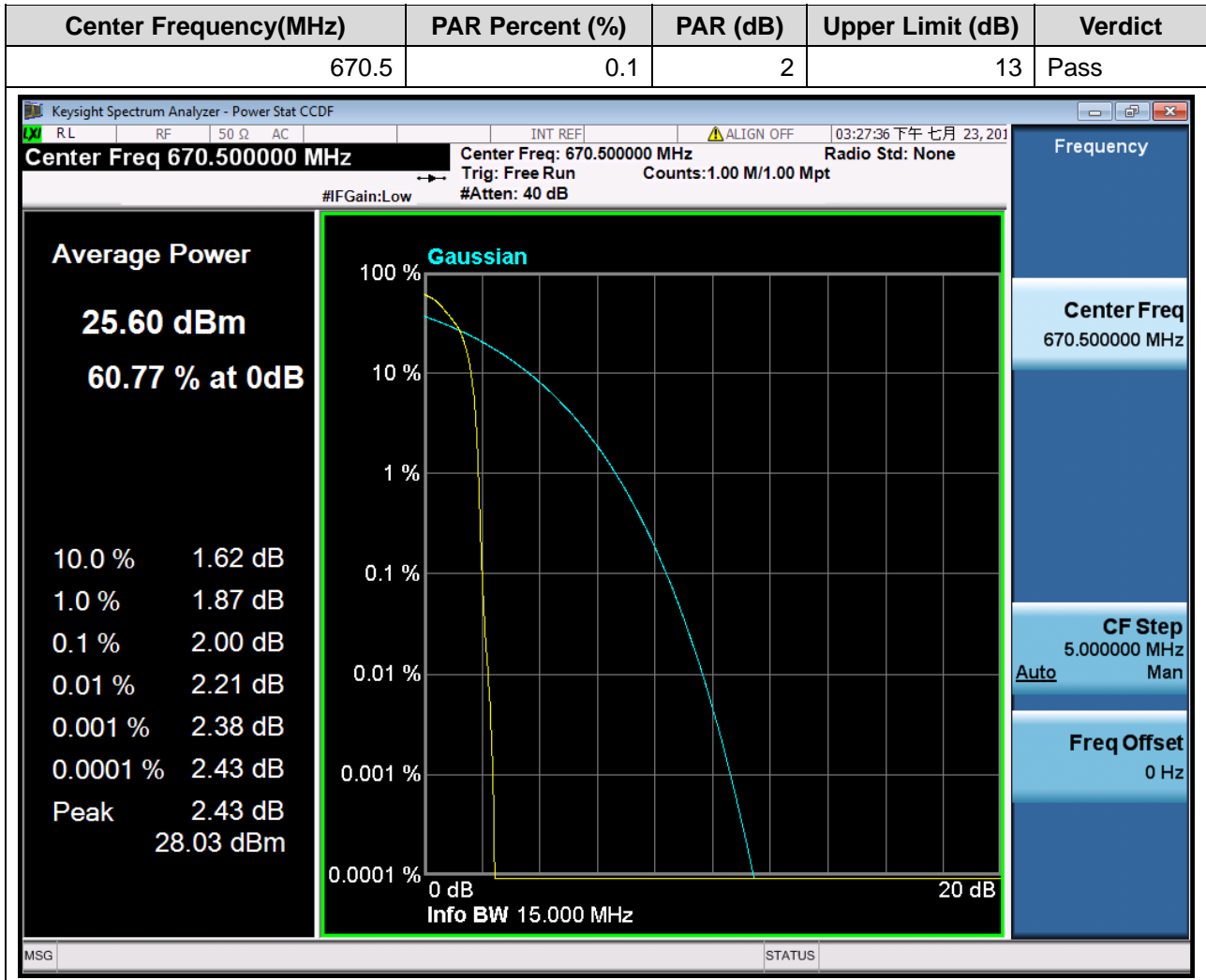




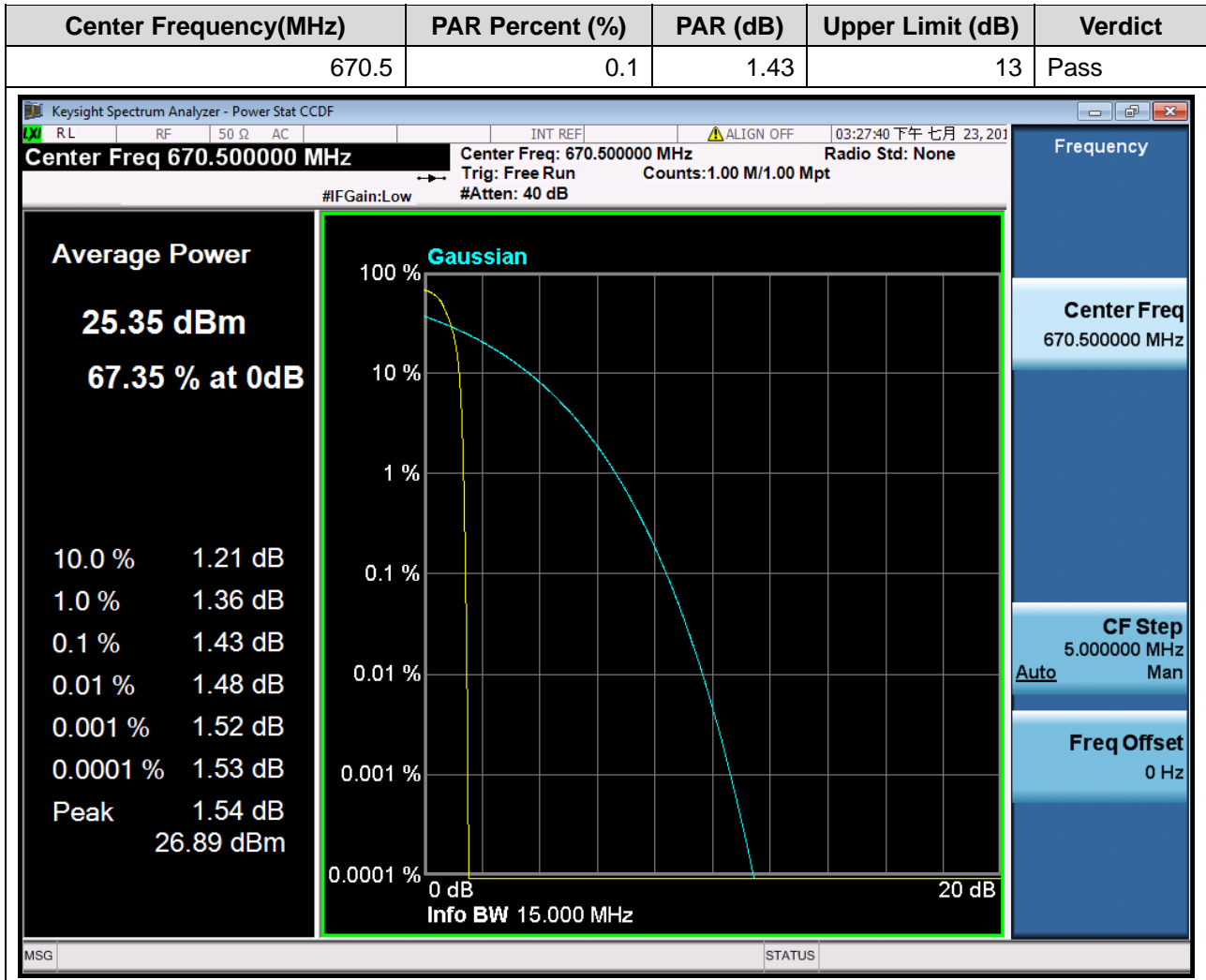
**1.88. LTE Peak to Average Ratio(NTNV)(Subtest:88, Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number: 36, RB Position:HIGH)**



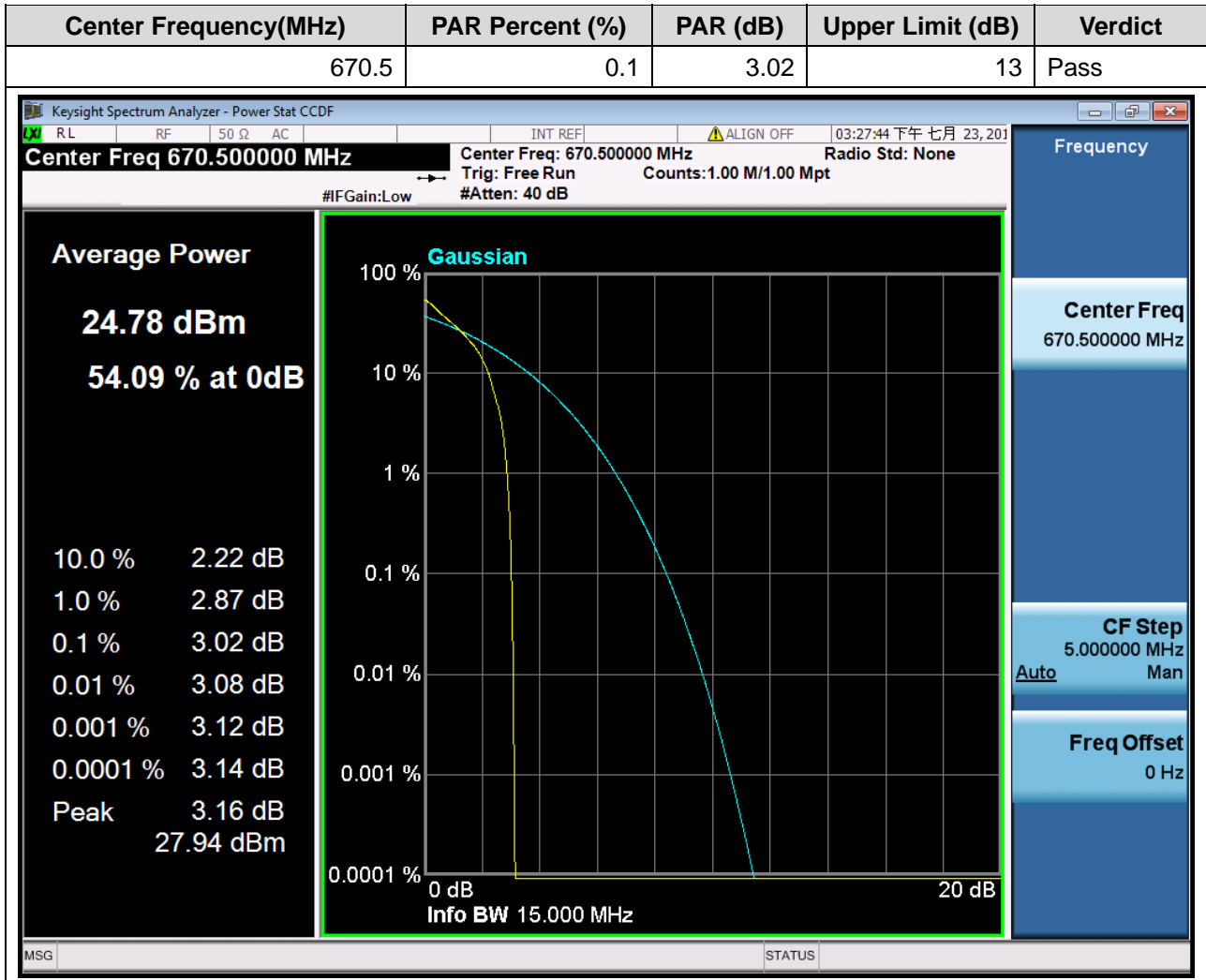
**1.89. LTE Peak to Average Ratio(NTNV)(Subtest:89, Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:LOW)**



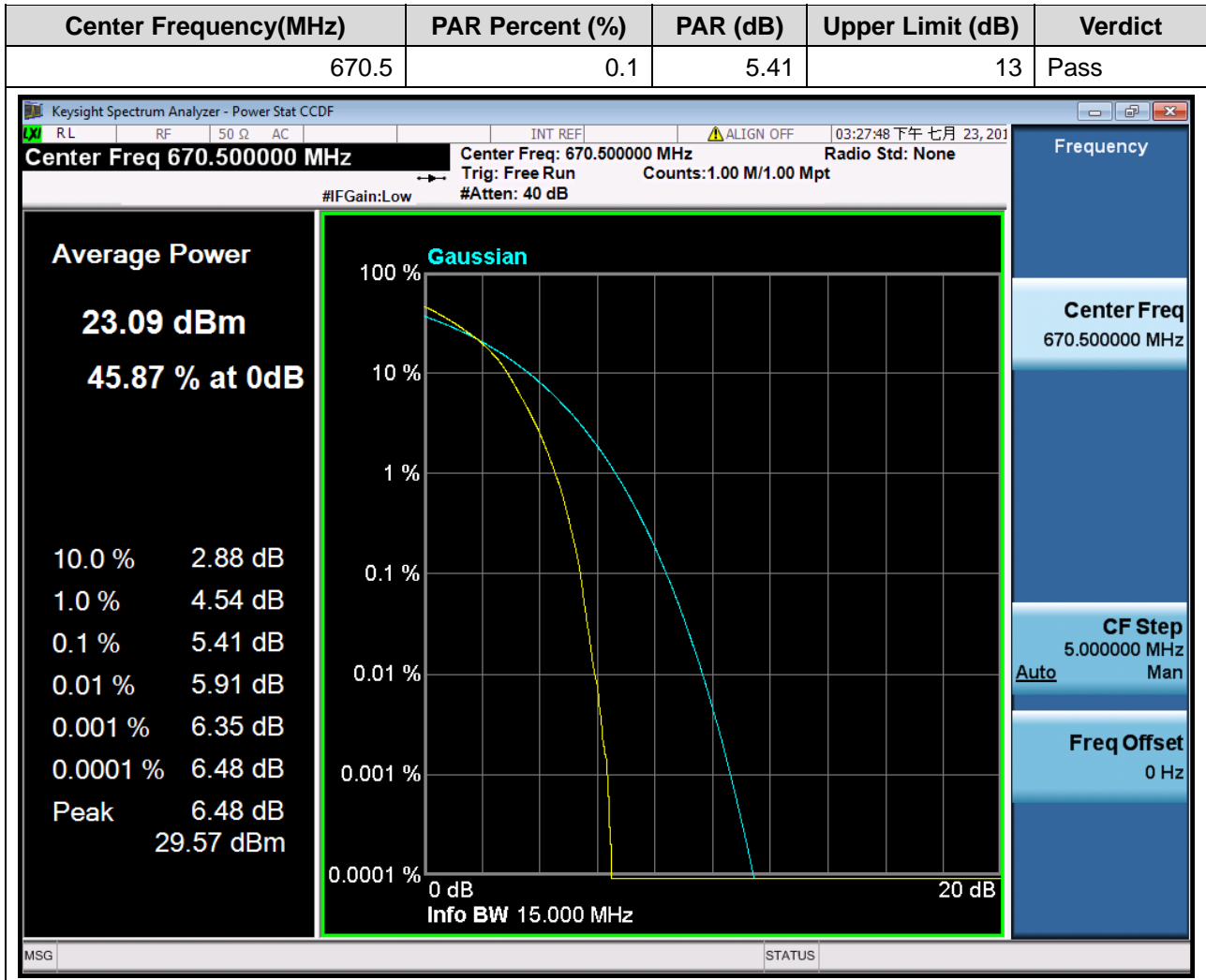
**1.90. LTE Peak to Average Ratio(NTNV)(Subtest:90, Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:MID)**



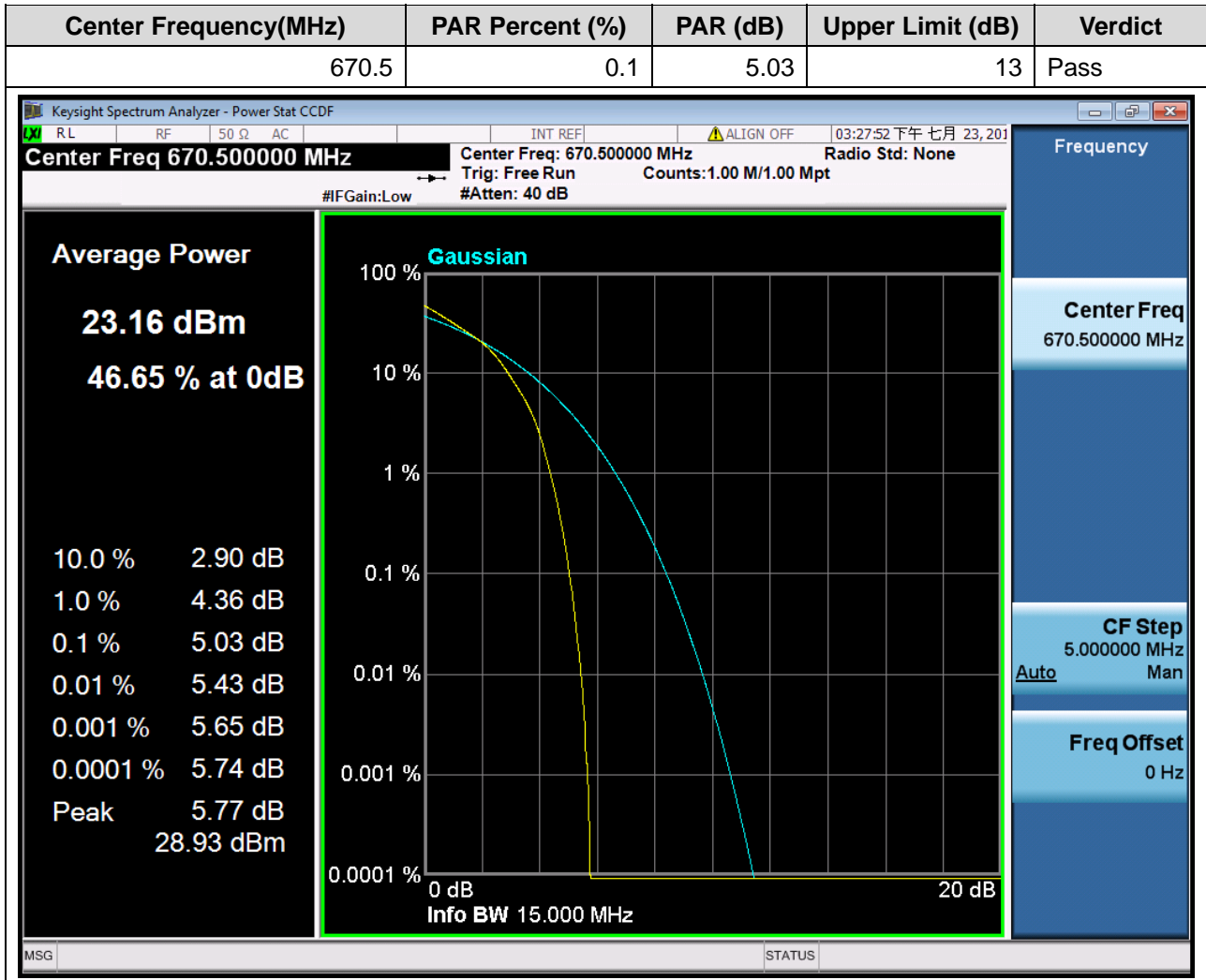
**1.91. LTE Peak to Average Ratio(NTNV)(Subtest:91, Channel:133197, Bandwidth:15, Modulation:QPSK, RB Number: 1, RB Position:HIGH)**



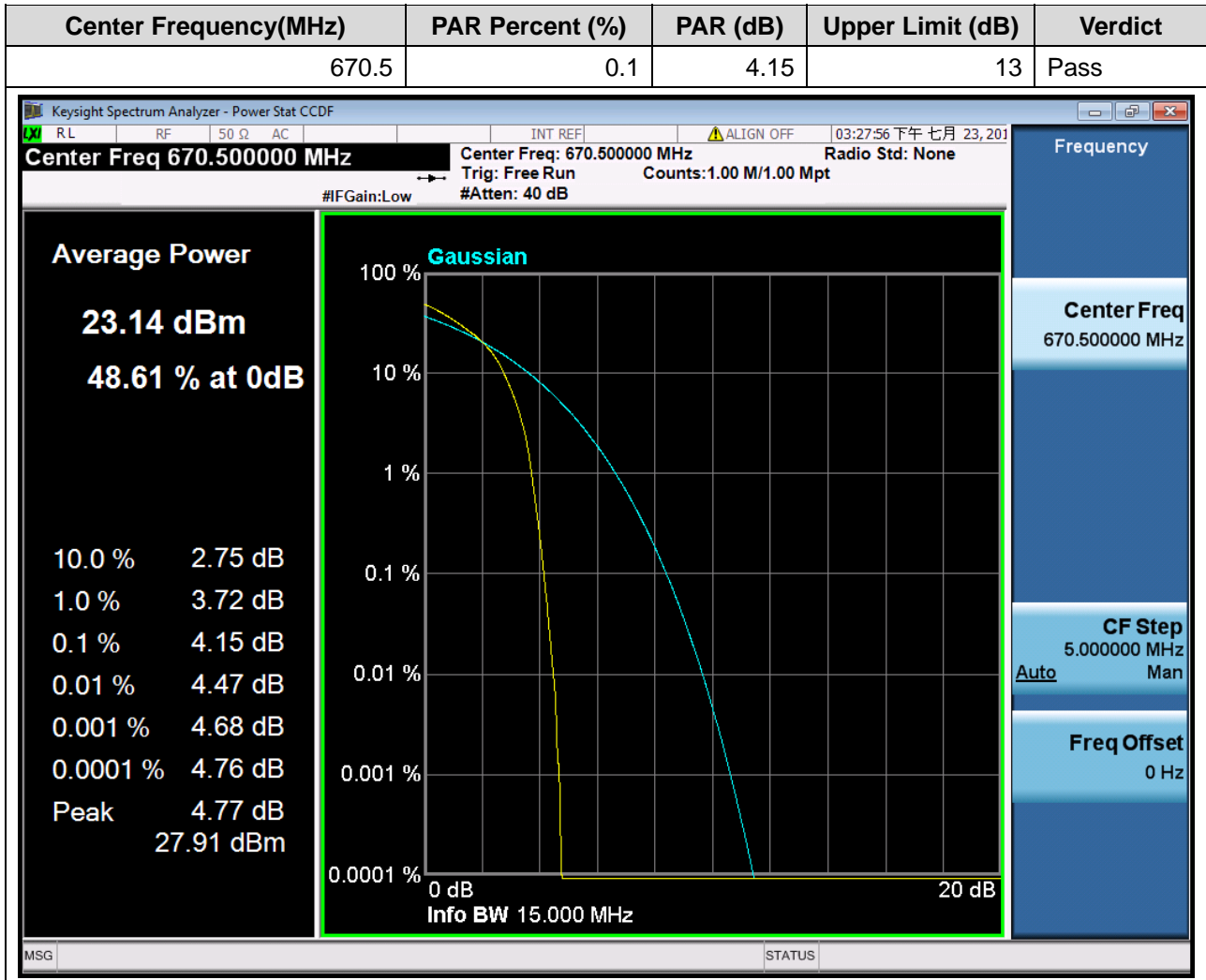
**1.92. LTE Peak to Average Ratio(NTNV)(Subtest:92, Channel:133197, Bandwidth:15, Modulation:Q16, RB Number: 75, RB Position:LOW)**



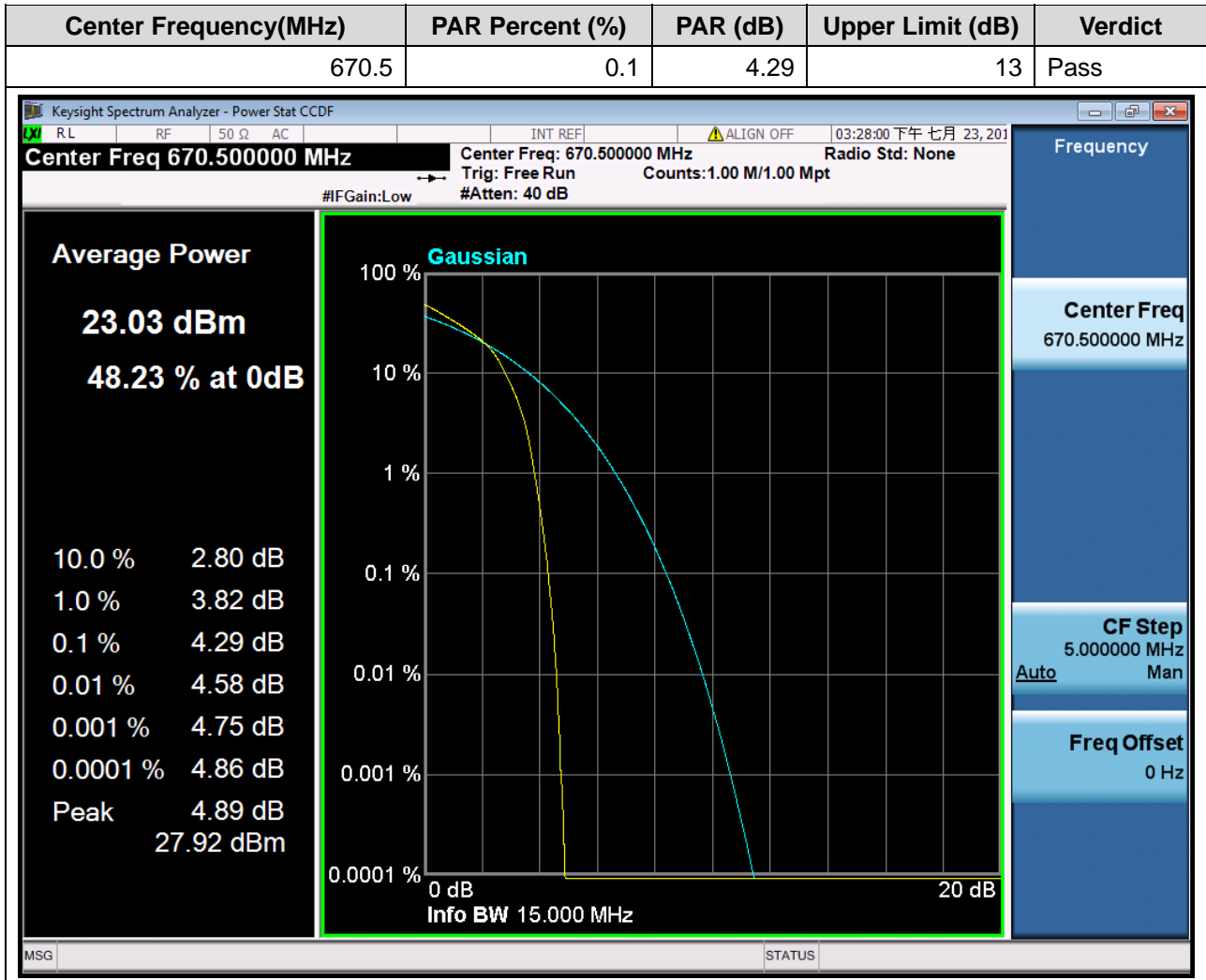
**1.93. LTE Peak to Average Ratio(NTNV)(Subtest:93, Channel:133197, Bandwidth:15, Modulation:Q16, RB Number: 36, RB Position:LOW)**



**1.94. LTE Peak to Average Ratio(NTNV)(Subtest:94, Channel:133197, Bandwidth:15, Modulation:Q16, RB Number: 36, RB Position:MID)**

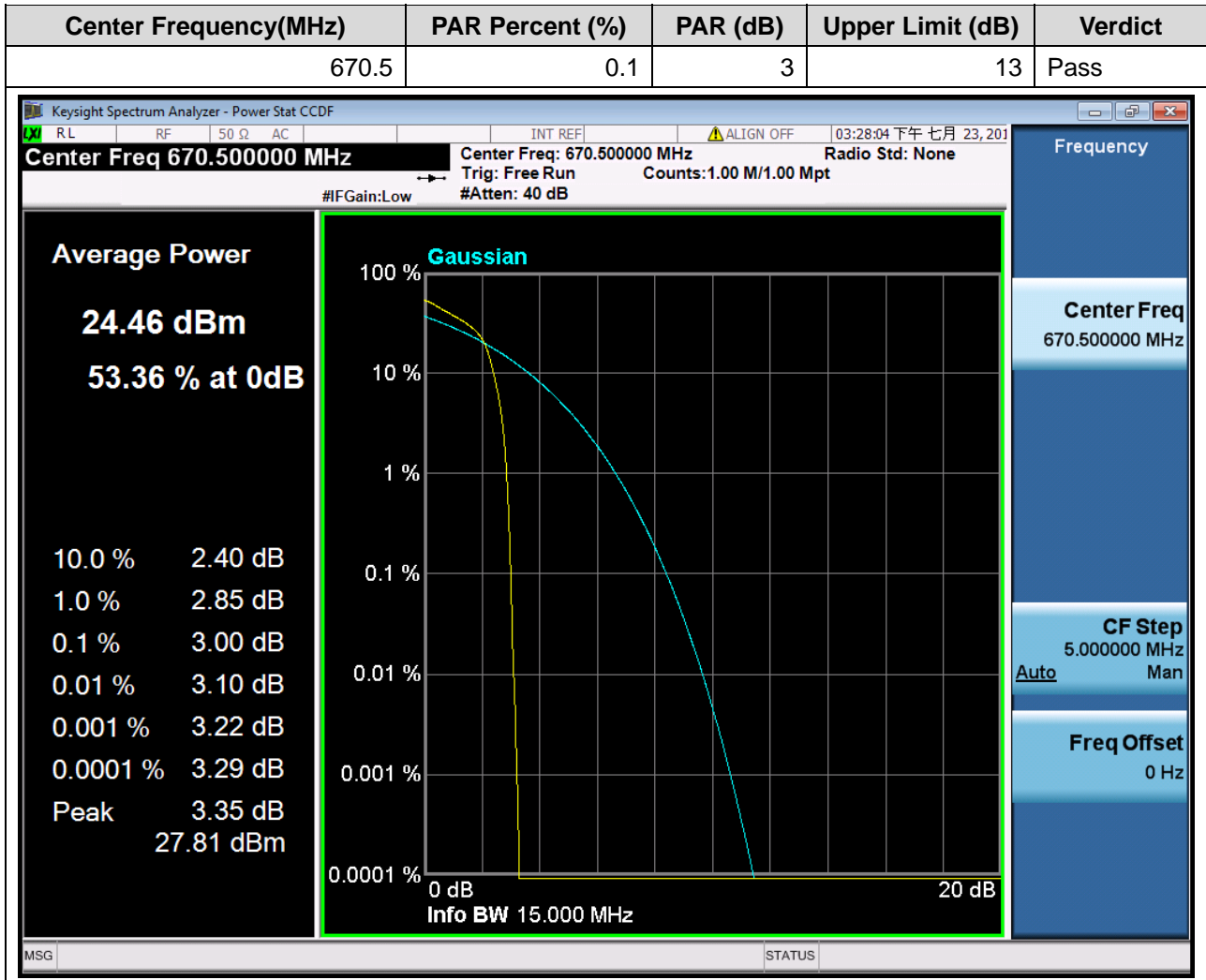


**1.95. LTE Peak to Average Ratio(NTNV)(Subtest:95, Channel:133197, Bandwidth:15, Modulation:Q16, RB Number: 36, RB Position:HIGH)**





**1.96. LTE Peak to Average Ratio(NTNV)(Subtest:96, Channel:133197, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:LOW)**



**1.97. LTE Peak to Average Ratio(NTNV)(Subtest:97, Channel:133197, Bandwidth:15, Modulation:Q16, RB Number: 1, RB Position:MID)**
