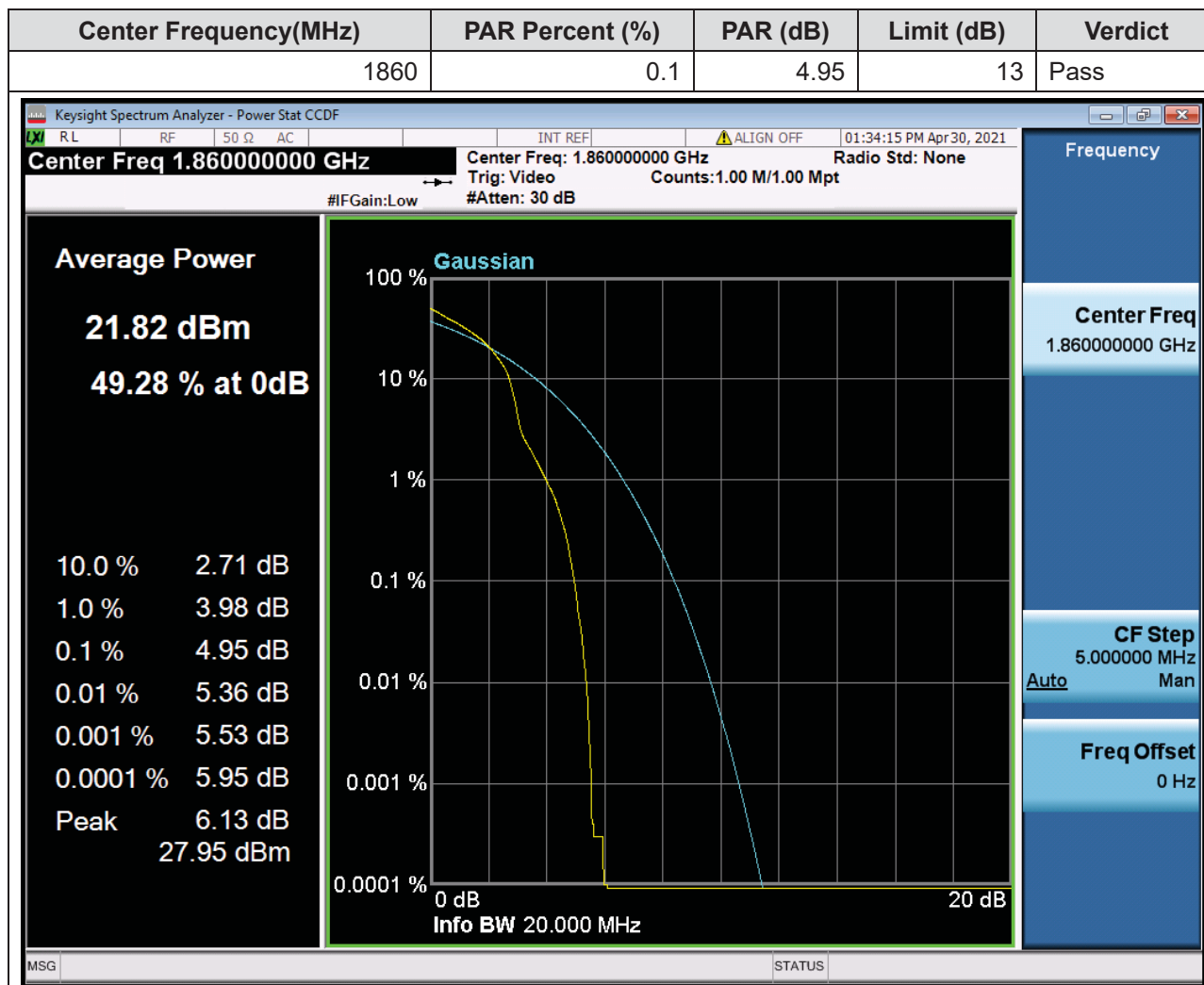


Annex A.2 Peak to Average Ratio

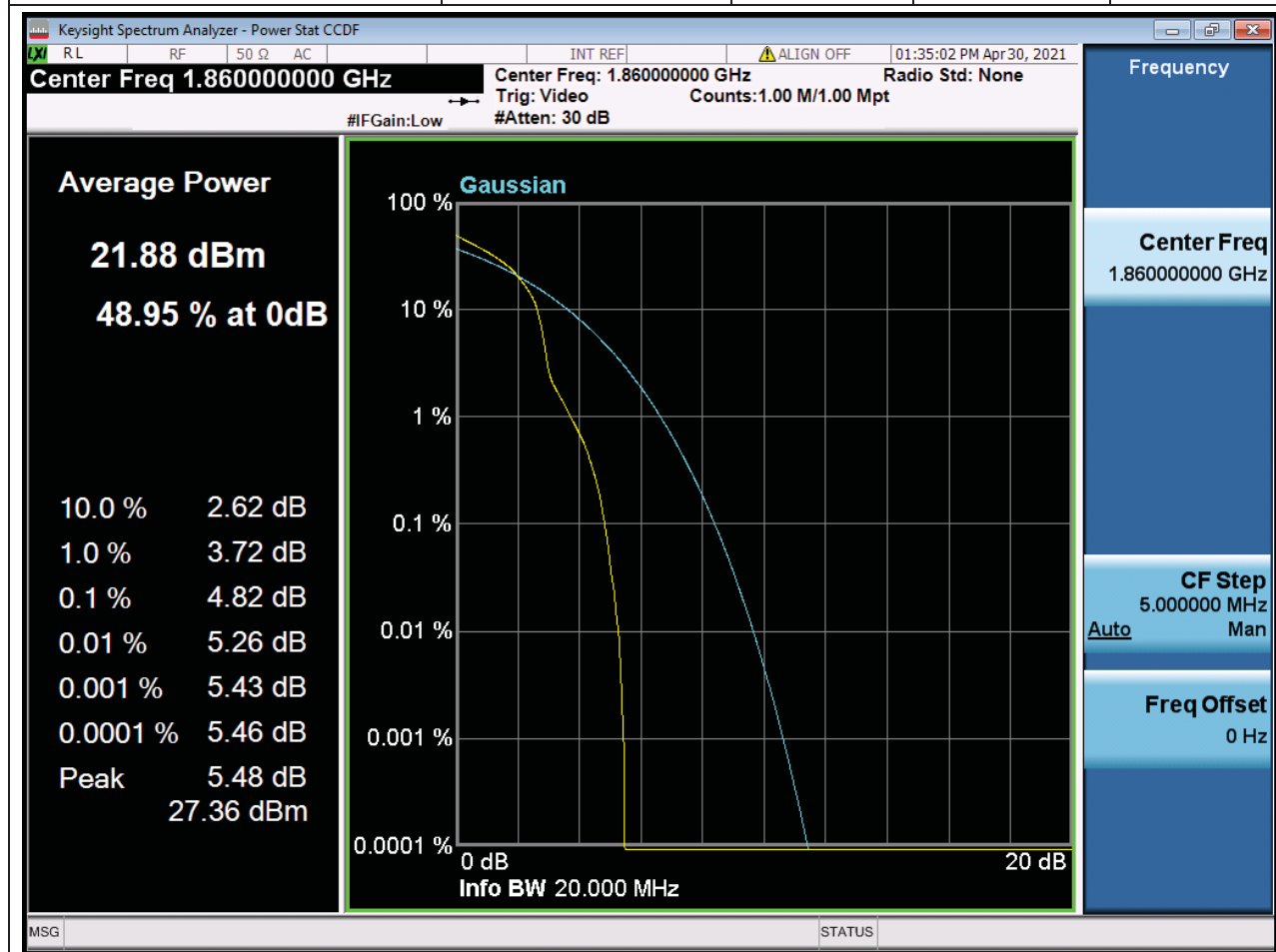
1. LTE_Band2

1.1. LTE-M1 20M Low QPSK Peak to Average Ratio(NTNV)



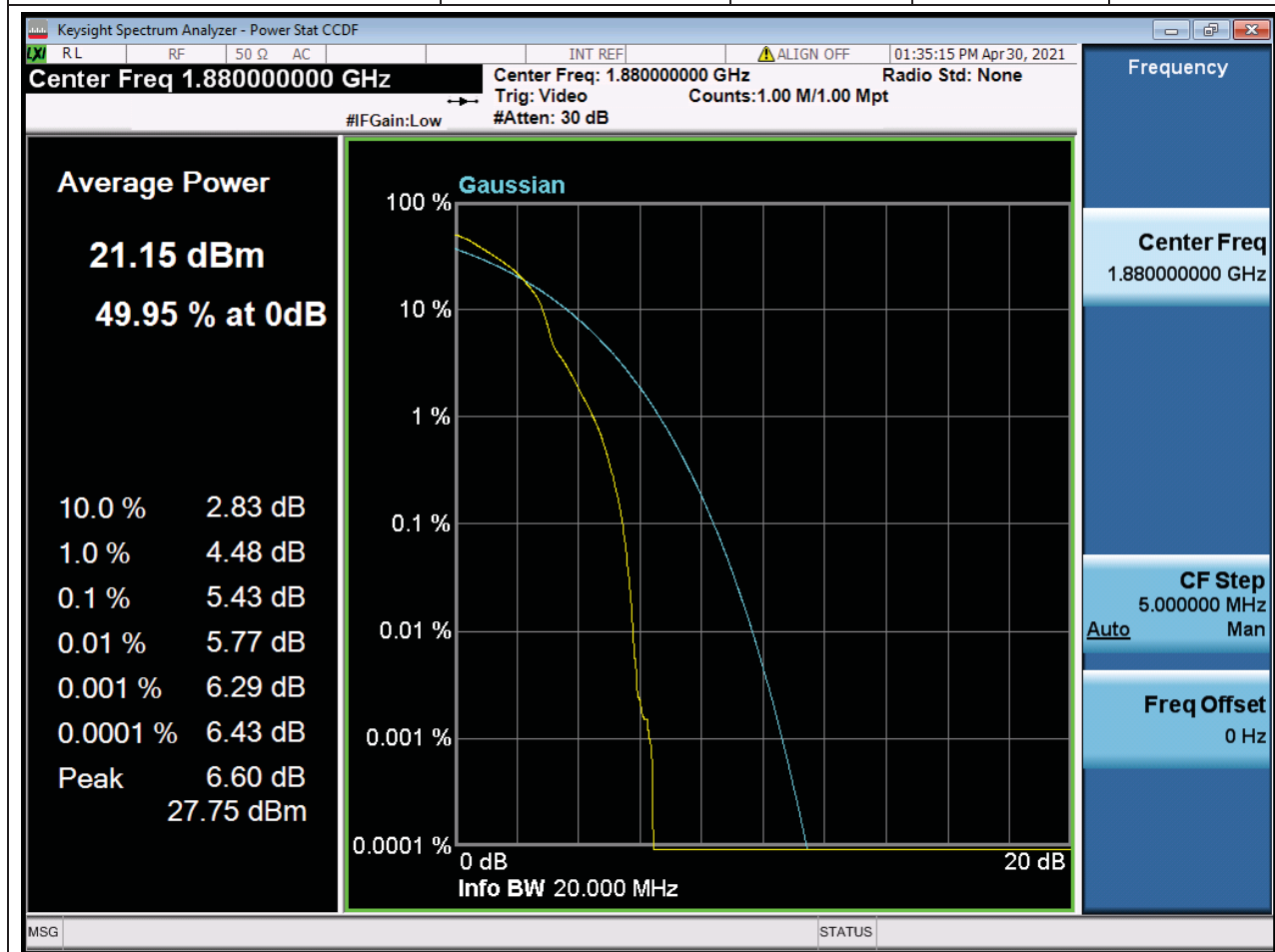
1.2. LTE-M1 20M Low 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1860	0.1	4.82	13	Pass



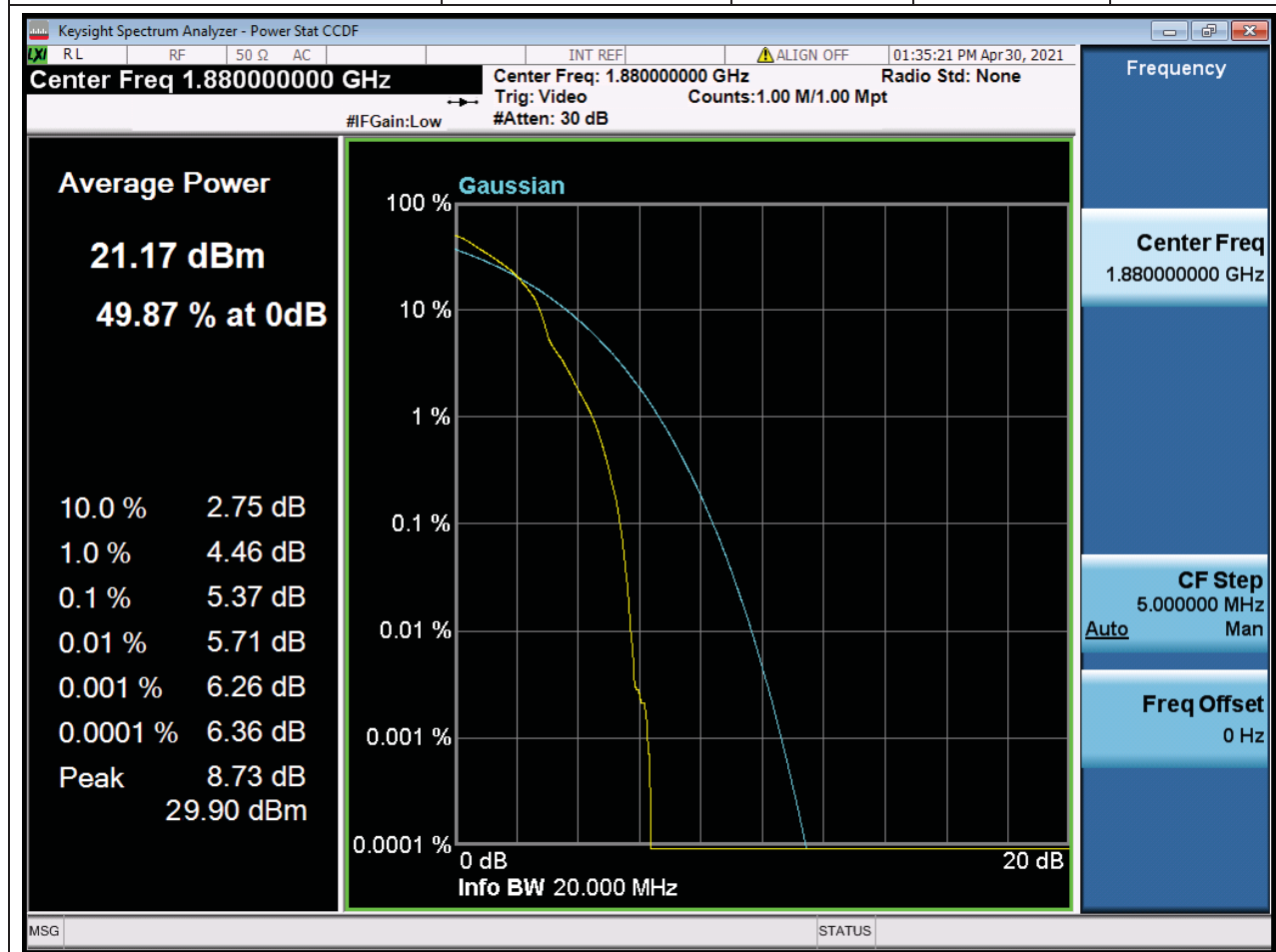
1.3. LTE-M1 20M Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1880	0.1	5.43	13	Pass



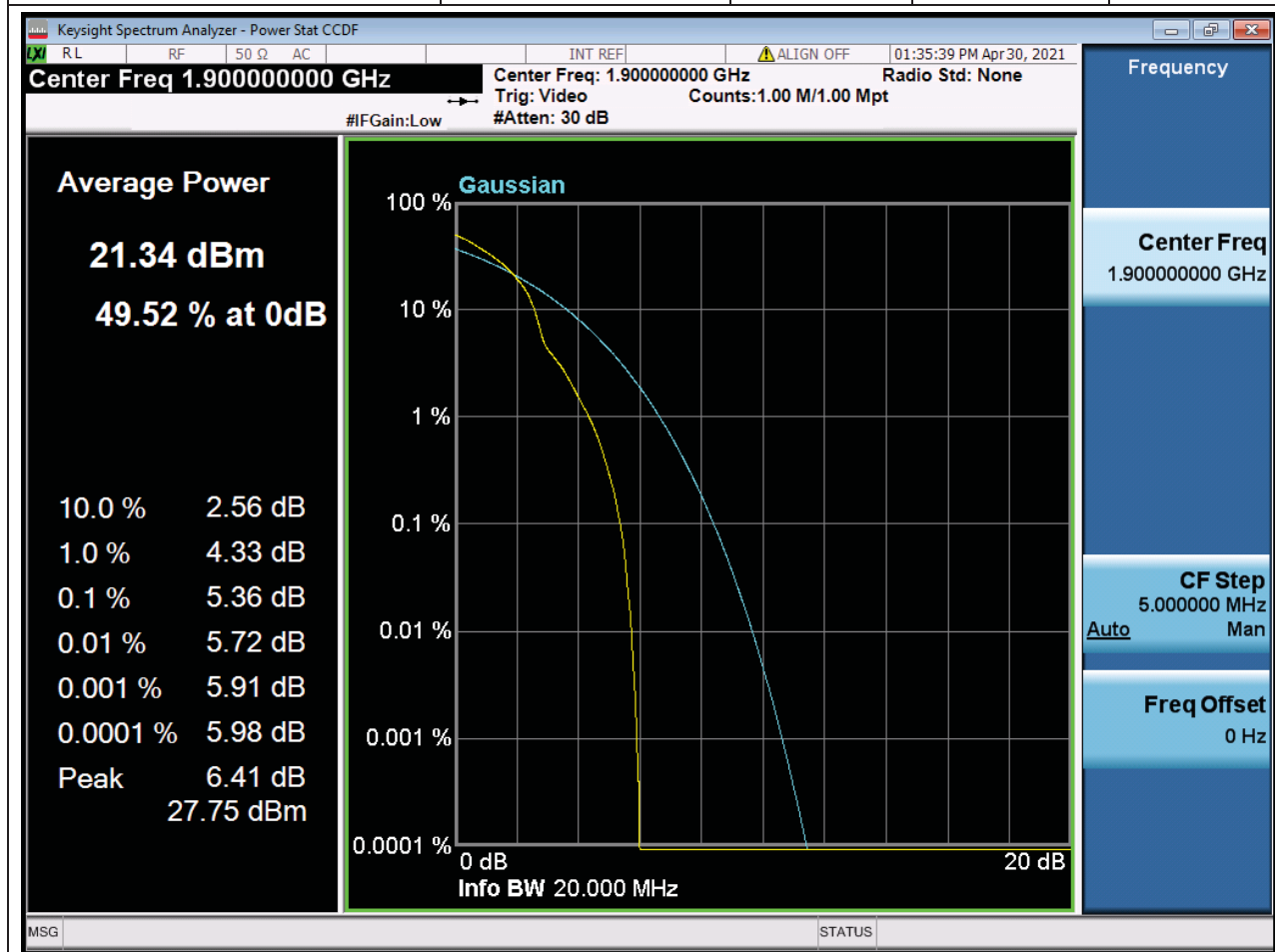
1.4. LTE-M1 20M Middle 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1880	0.1	5.37	13	Pass



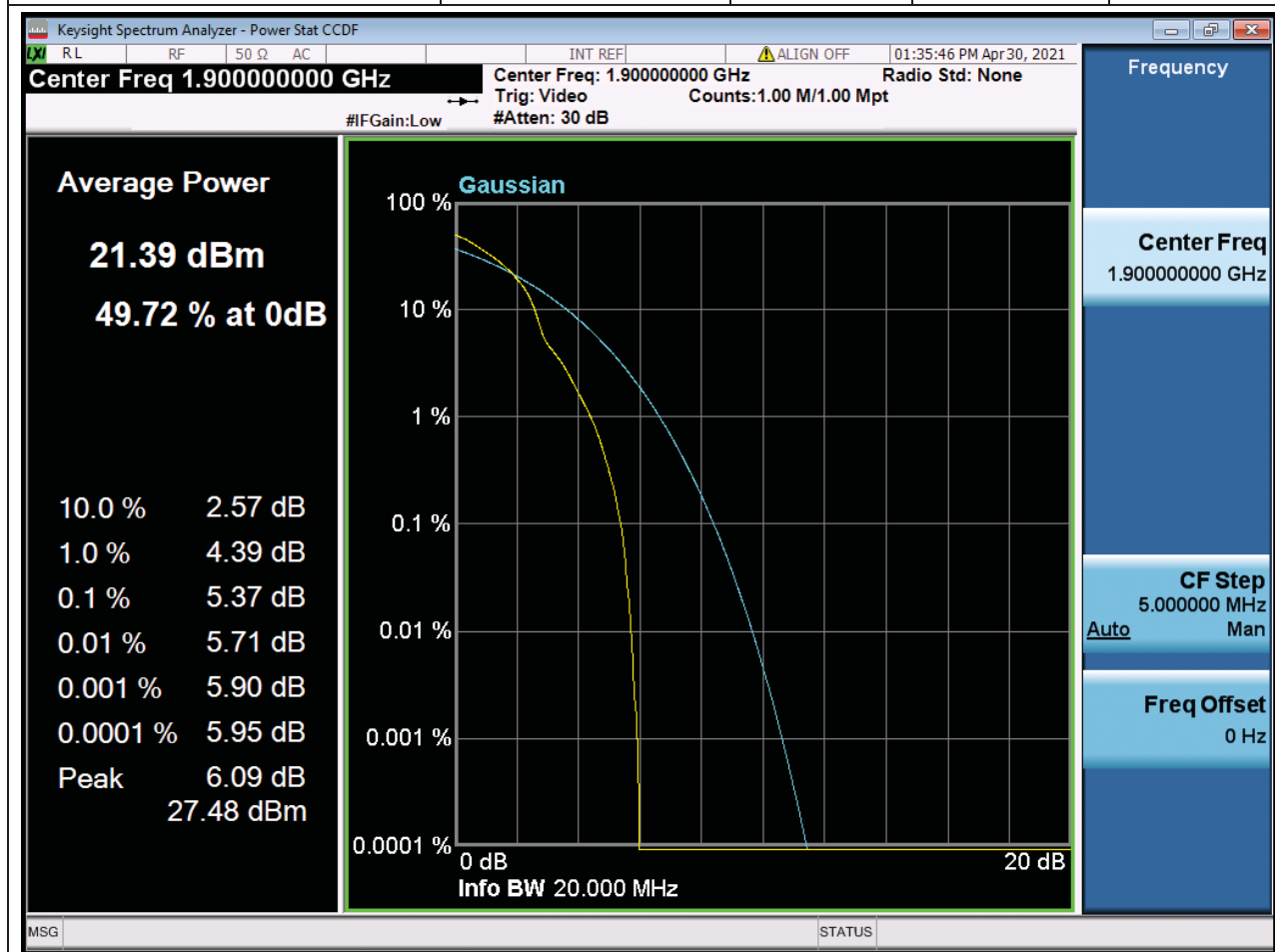
1.5. LTE-M1 20M High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1900	0.1	5.36	13	Pass



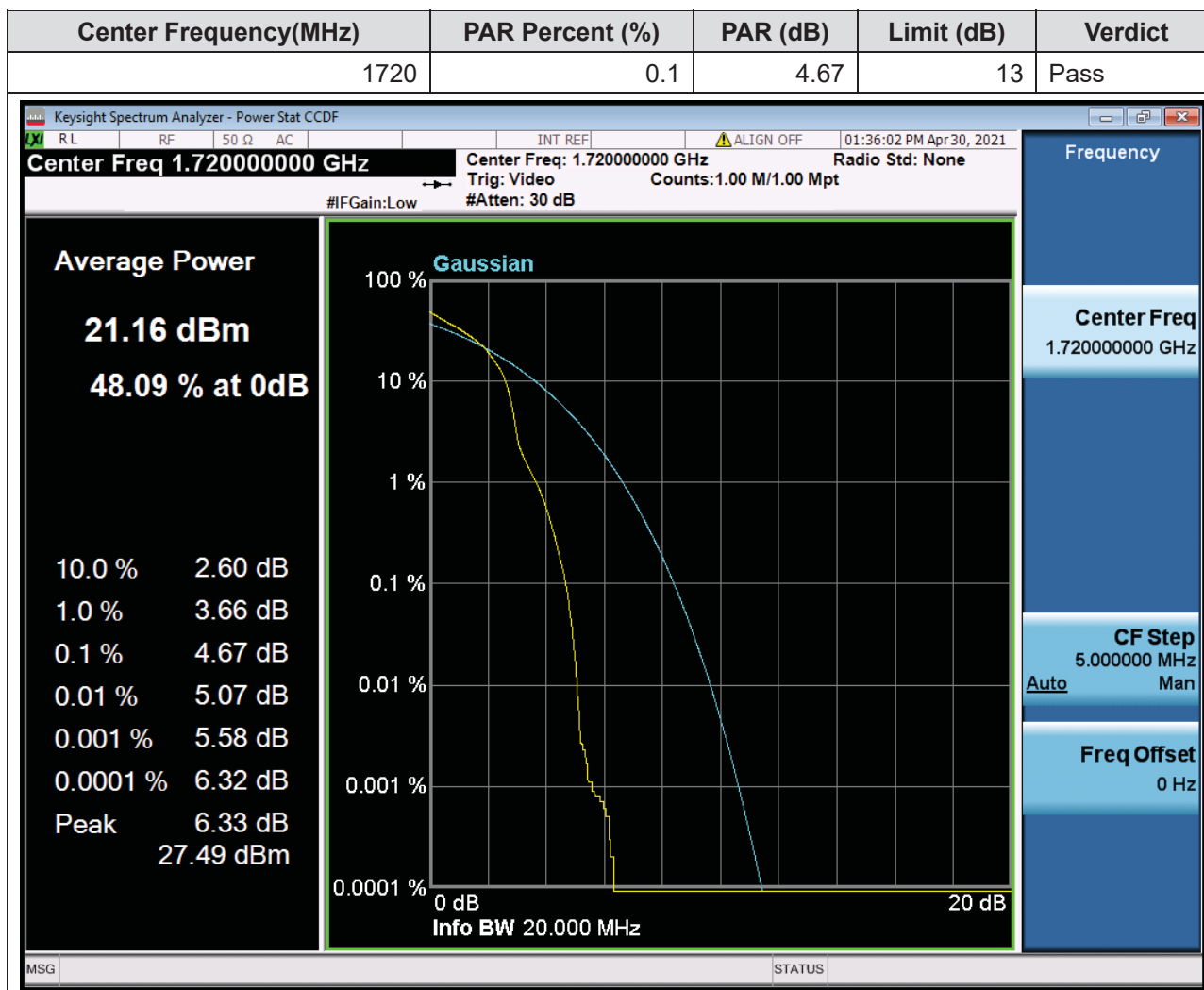
1.6. LTE-M1 20M High 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1900	0.1	5.37	13	Pass



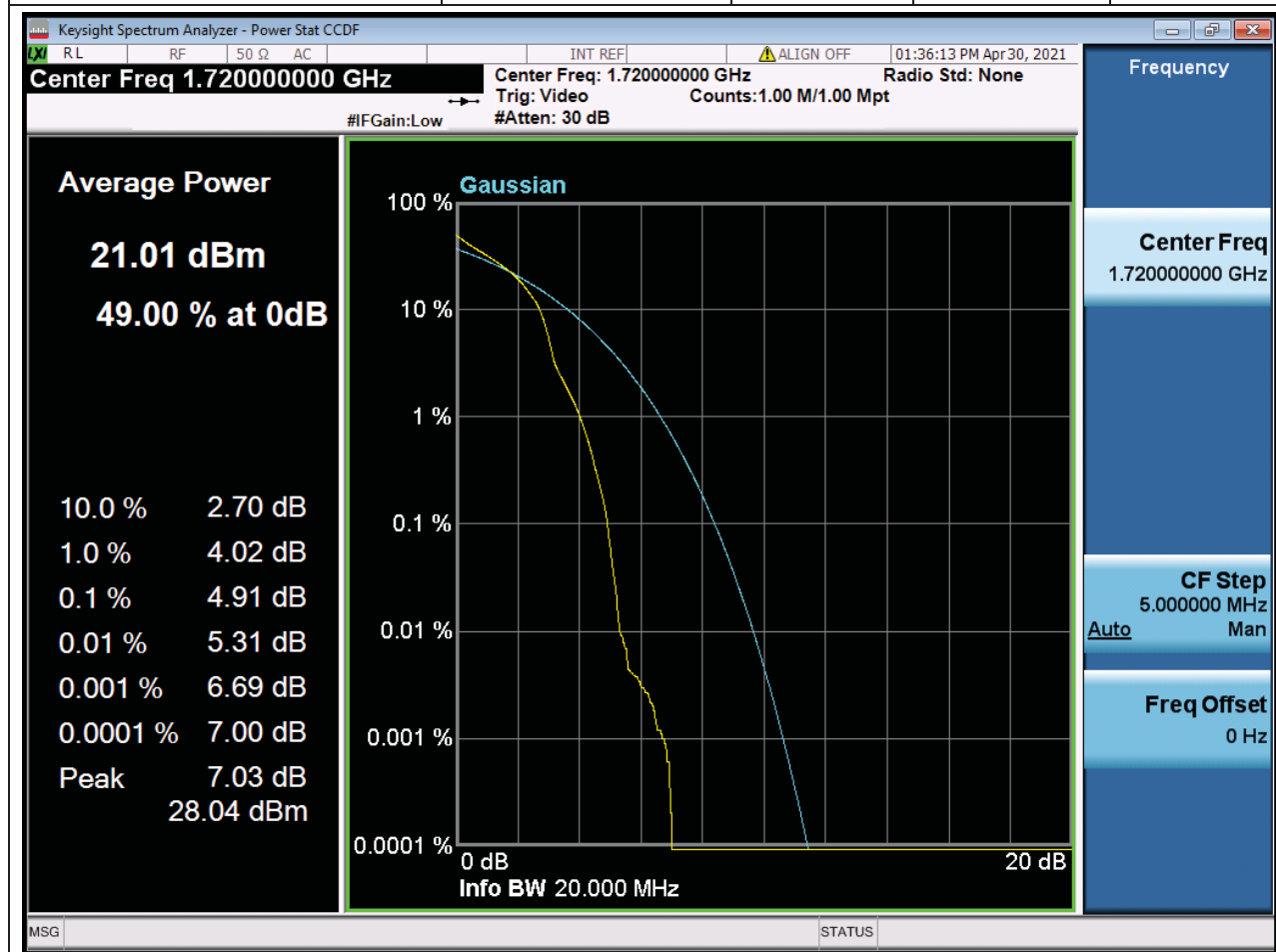
2. LTE_Band4

2.1. LTE-M1 20M Low QPSK Peak to Average Ratio(NTNV)



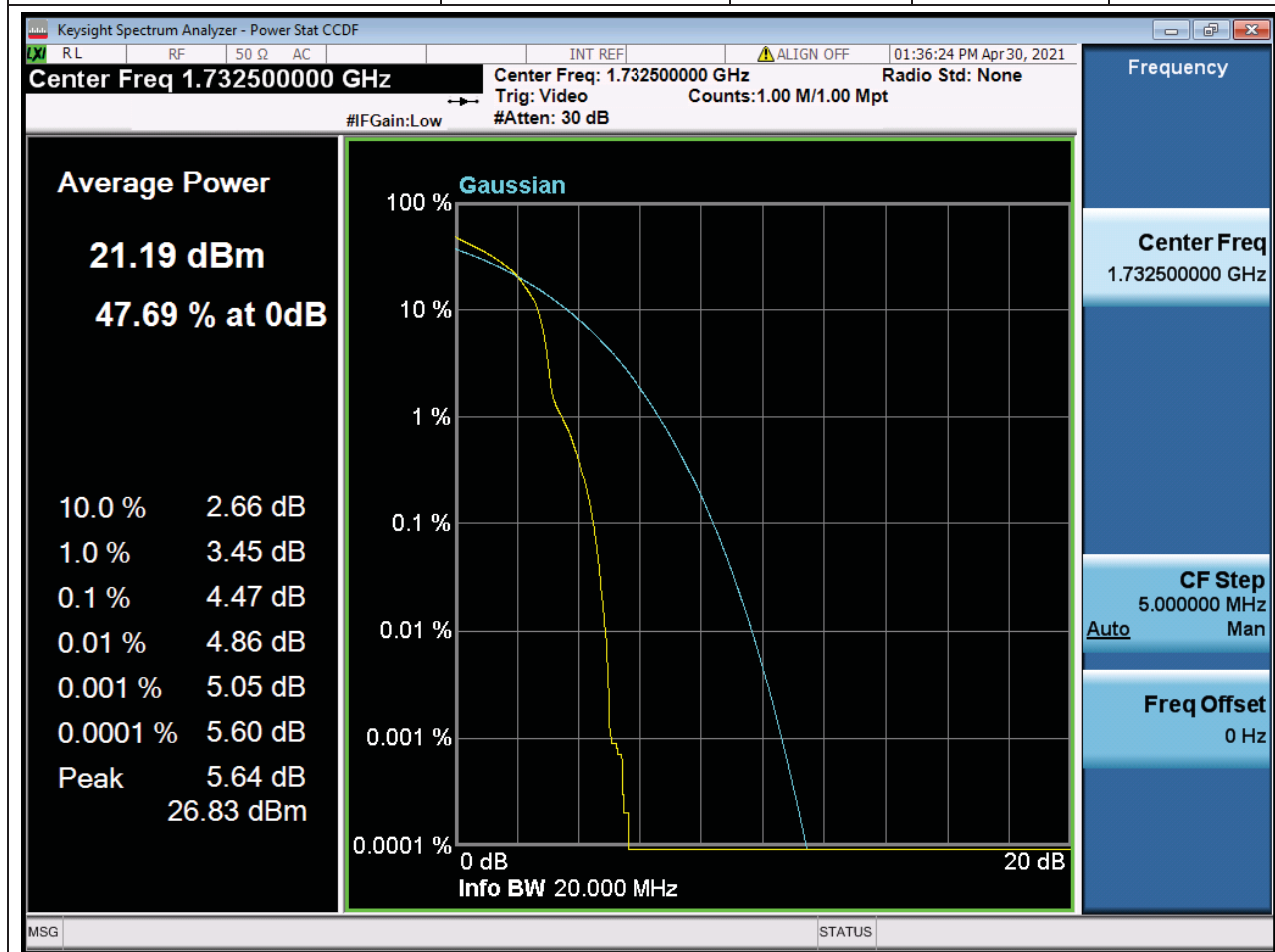
1.2. LTE-M1 20M Low 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1720	0.1	4.91	13	Pass



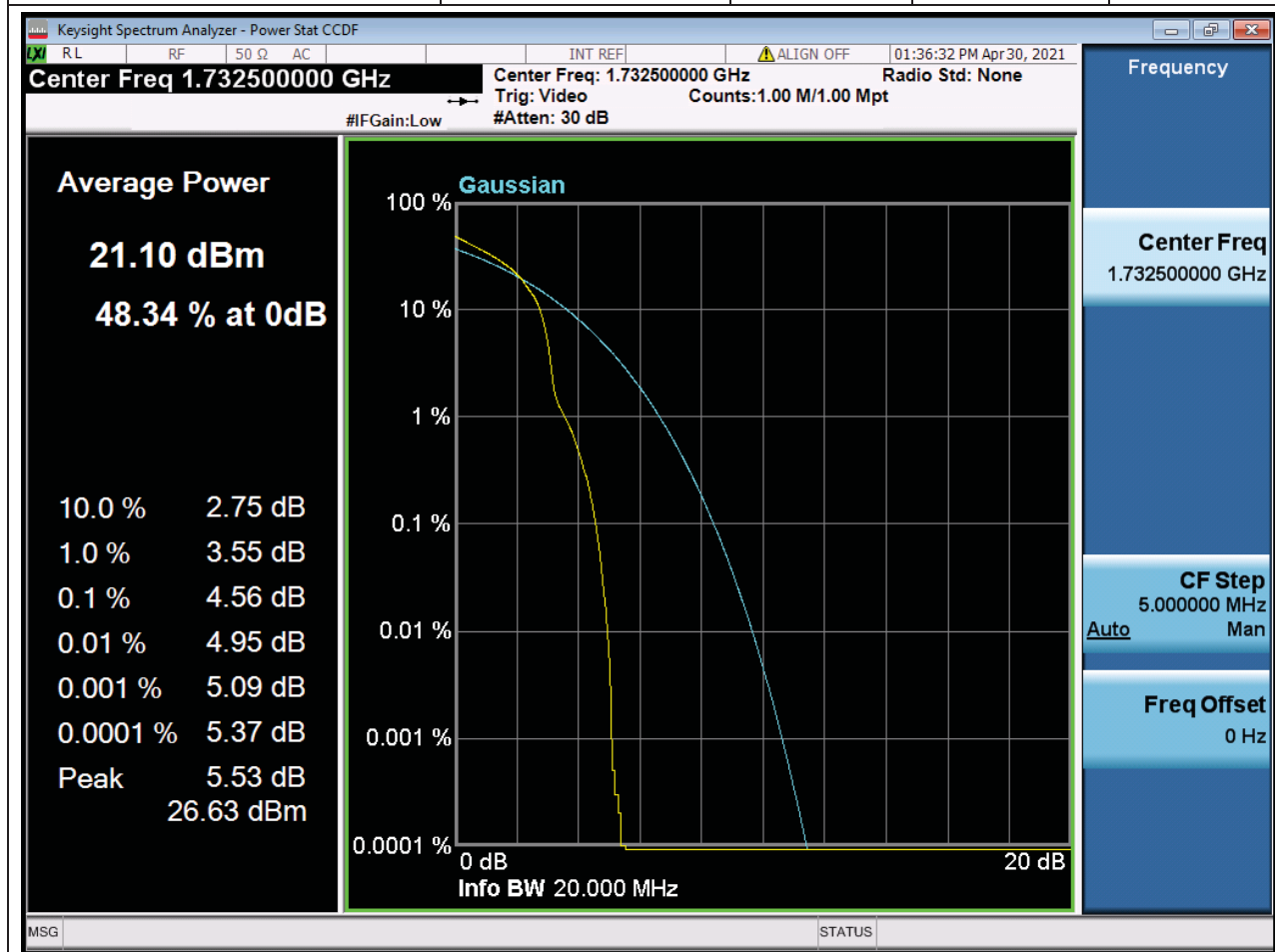
2.3. LTE-M1 20M Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1732.5	0.1	4.47	13	Pass



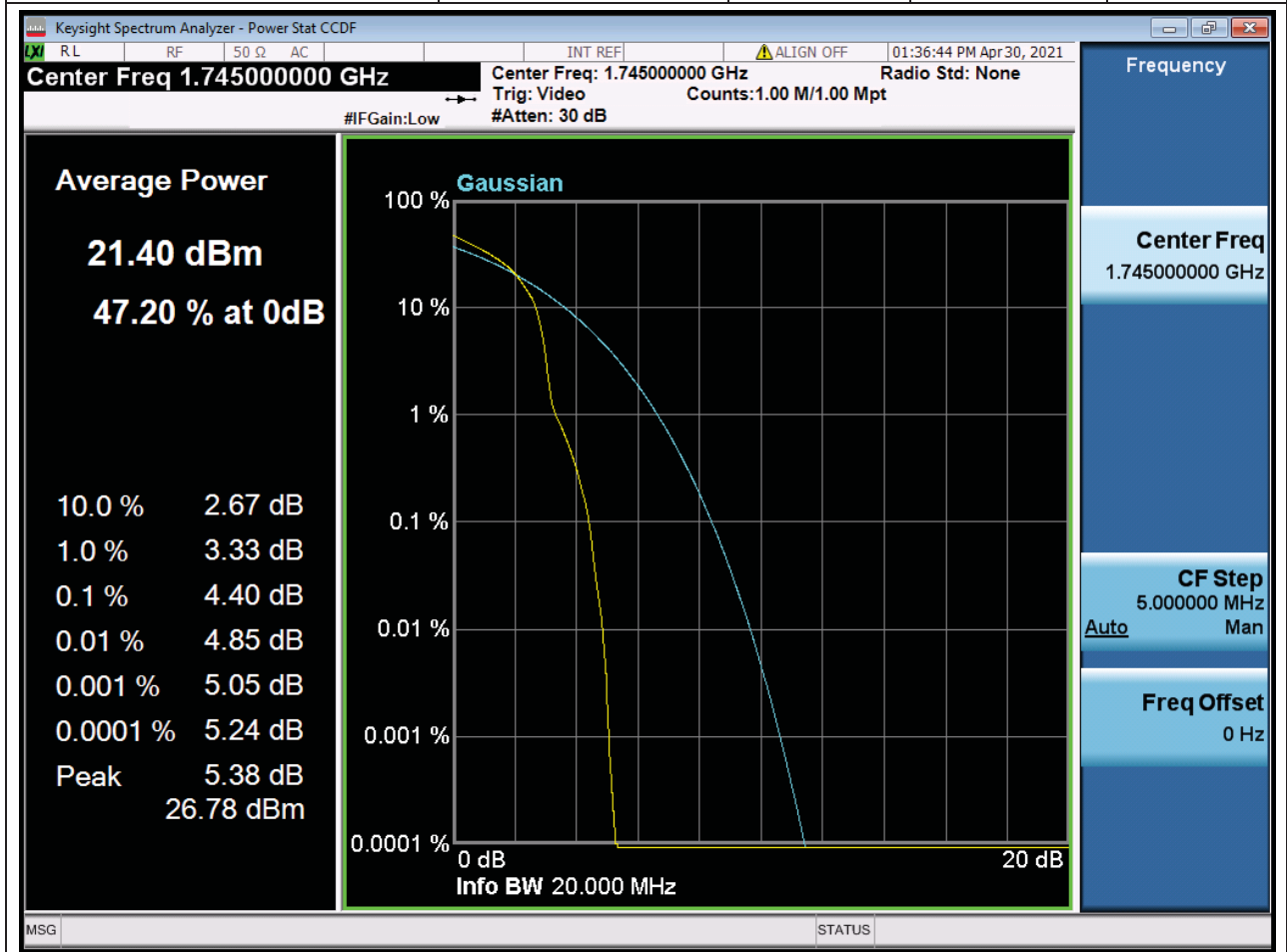
2.4. LTE-M1 20M Middle 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1732.5	0.1	4.56	13	Pass



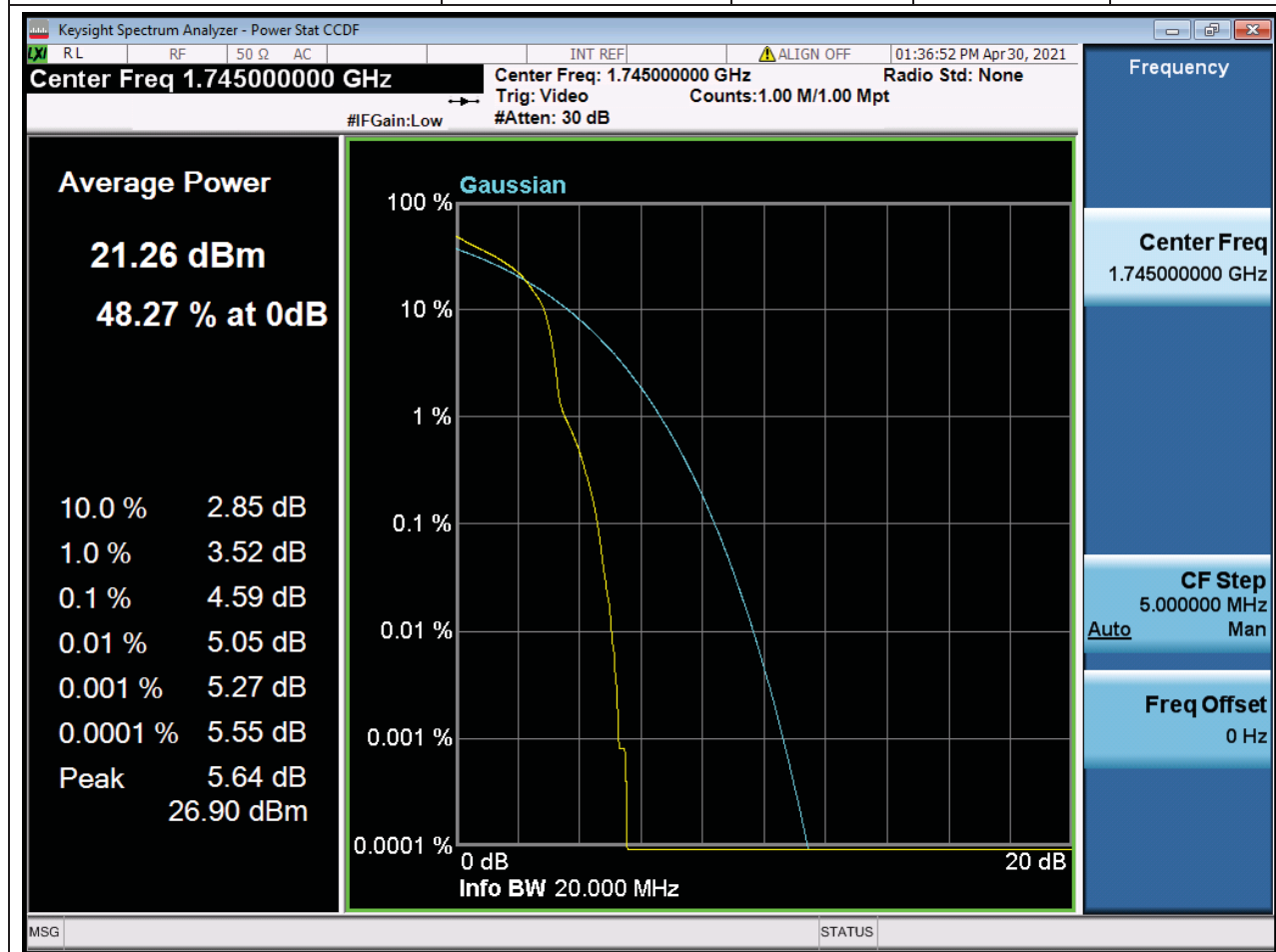
2.5. LTE-M1 20M High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1745	0.1	4.40	13	Pass



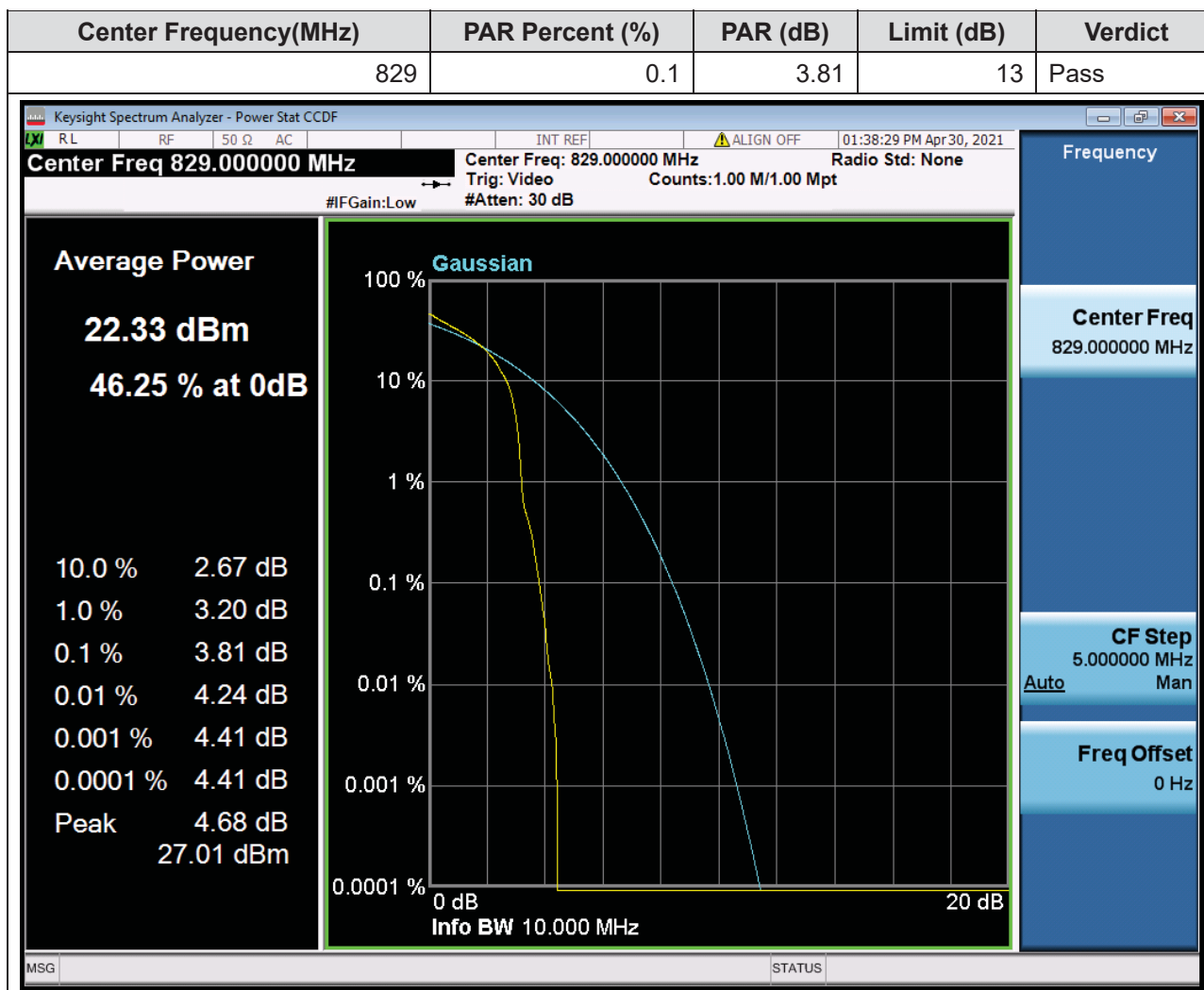
2.6. LTE-M1 20M High 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1745	0.1	4.59	13	Pass



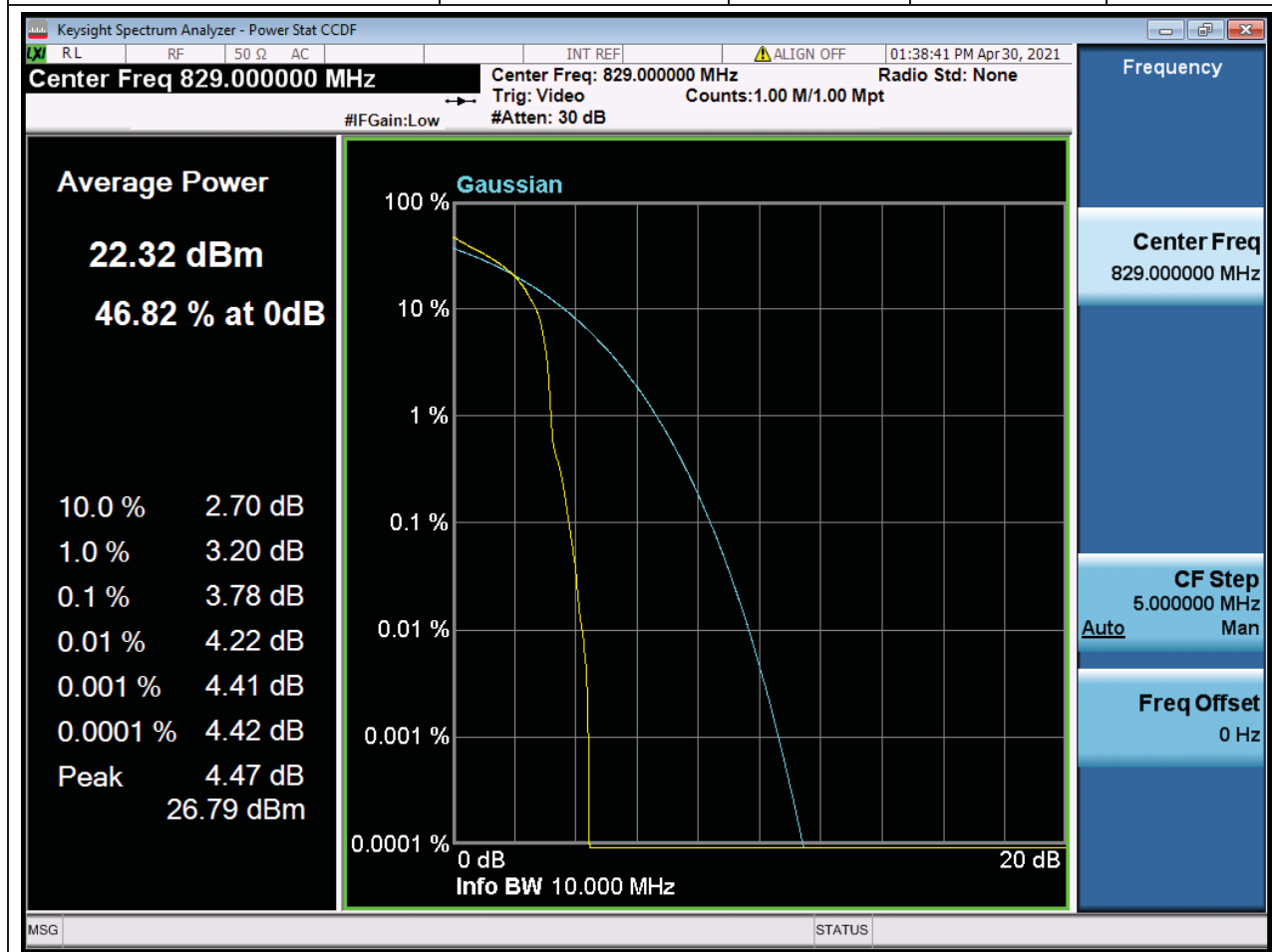
3. LTE_Band5

3.1. LTE-M1 10M Low QPSK Peak to Average Ratio(NTNV)



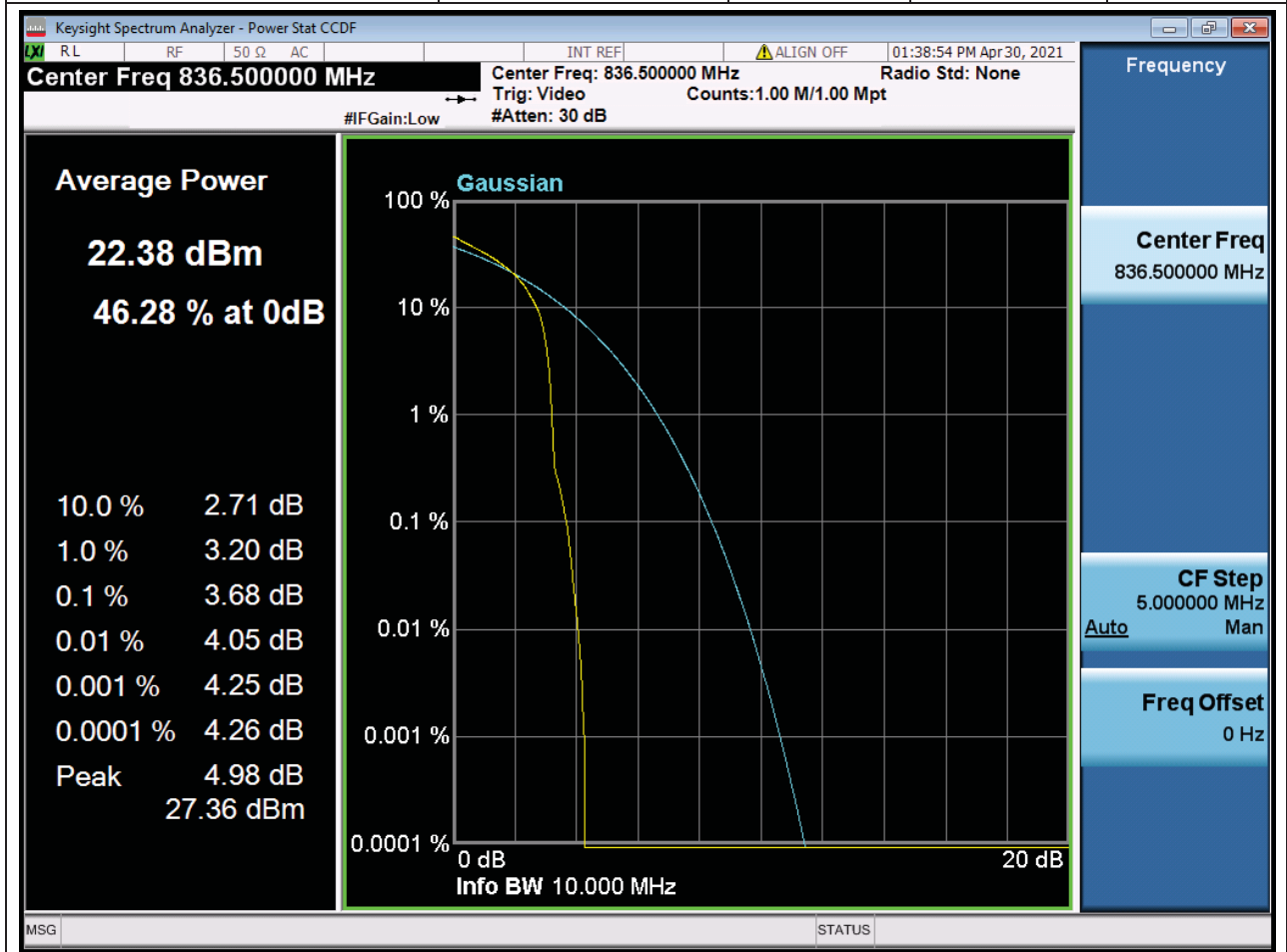
3.2. LTE-M1 10M Low 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
829	0.1	3.78	13	Pass



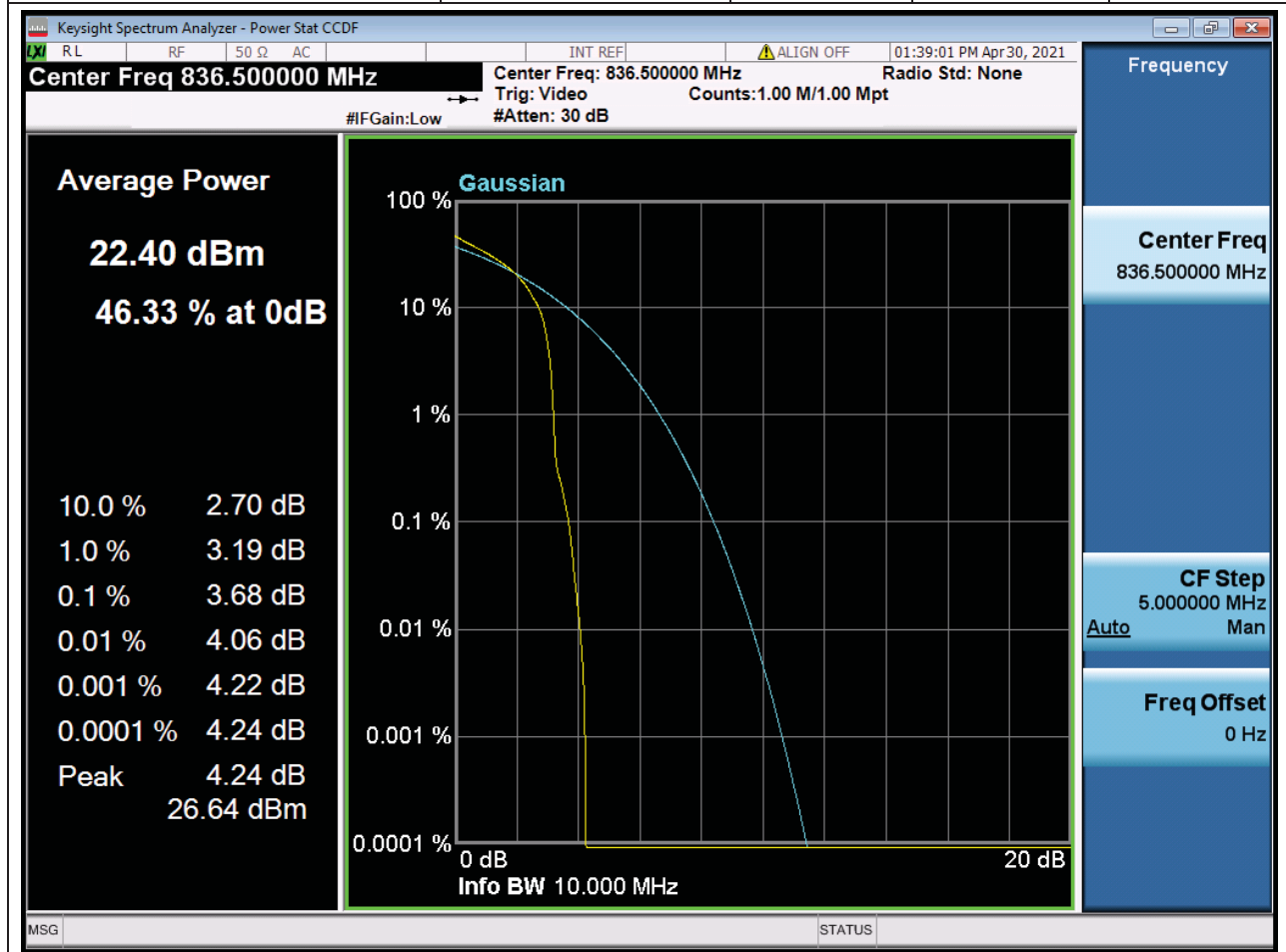
3.3. LTE-M1 10M Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
836.5	0.1	3.68	13	Pass



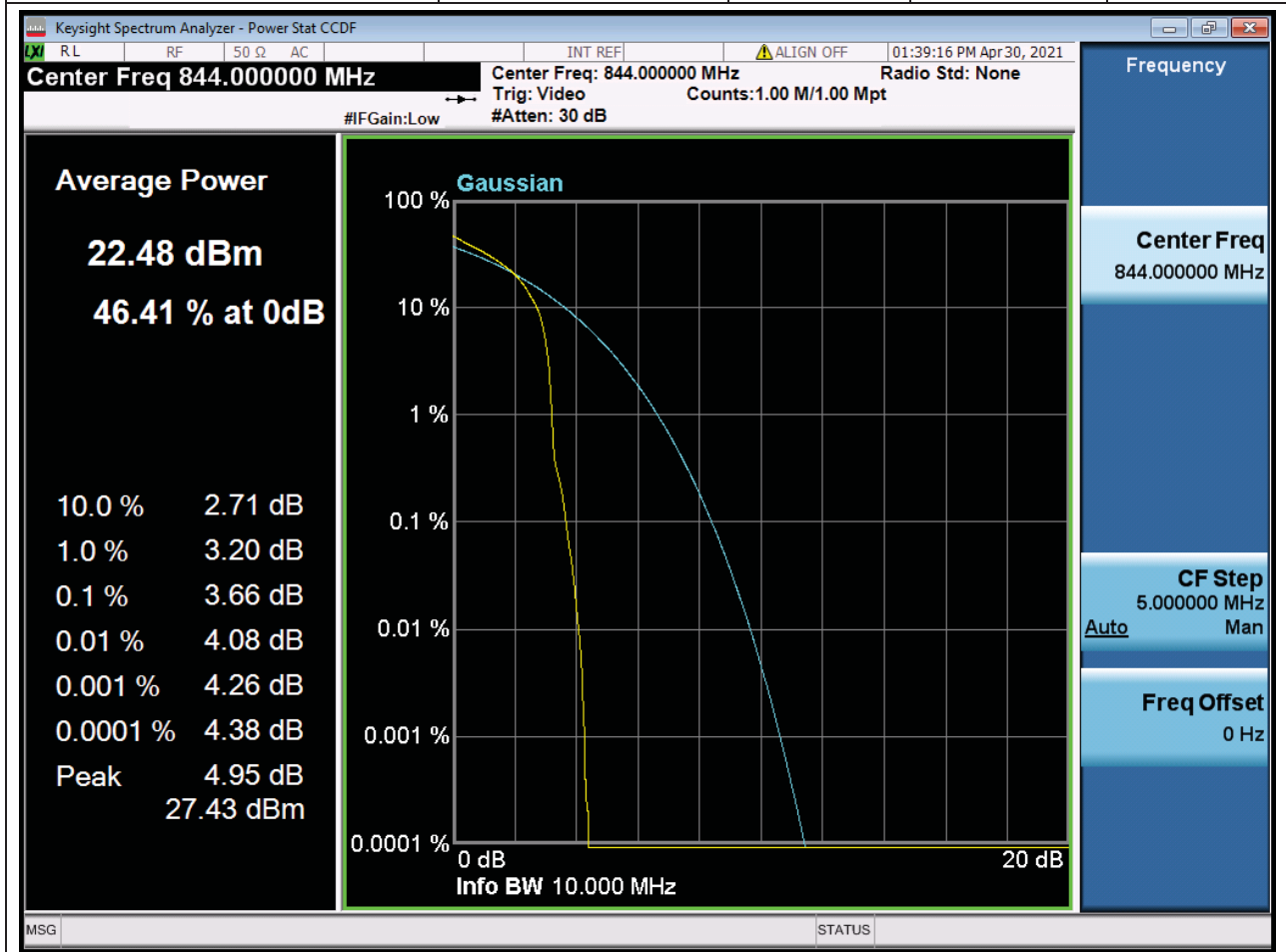
3.4. LTE-M1 10M Middle 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
836.5	0.1	3.68	13	Pass



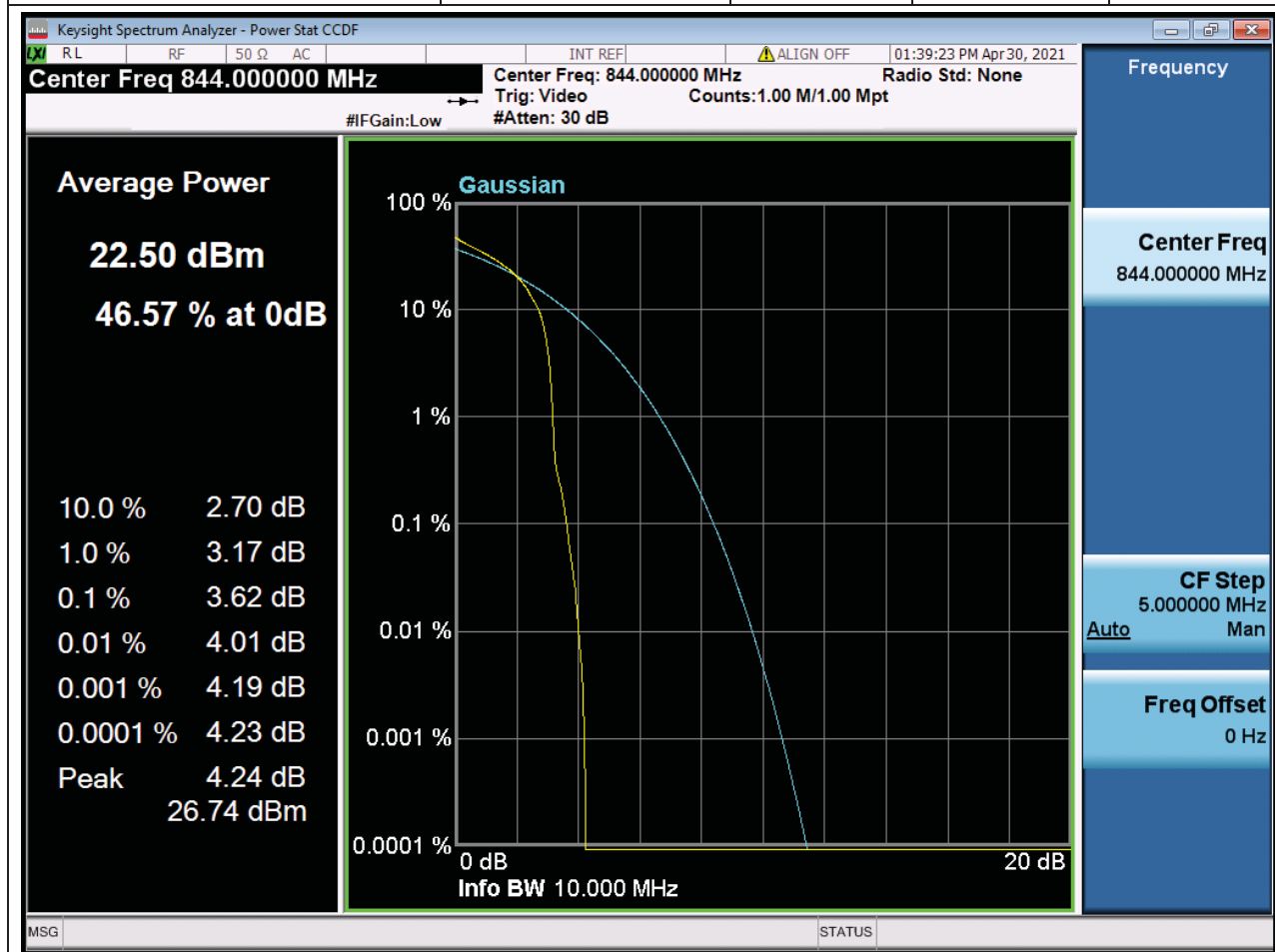
3.5. LTE-M1 10M High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
844	0.1	3.66	13	Pass



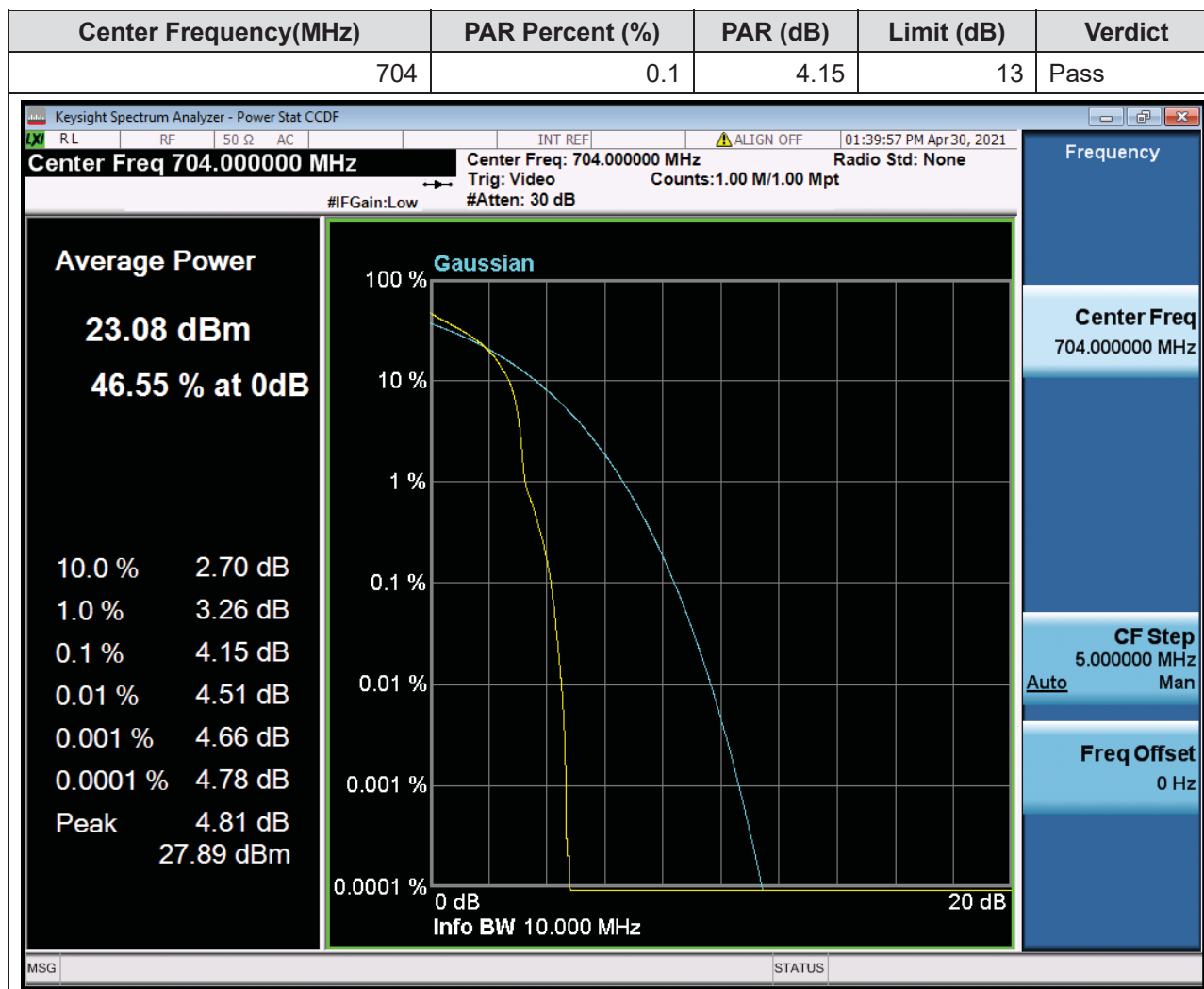
3.6. LTE-M1 10M High 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
844	0.1	3.62	13	Pass



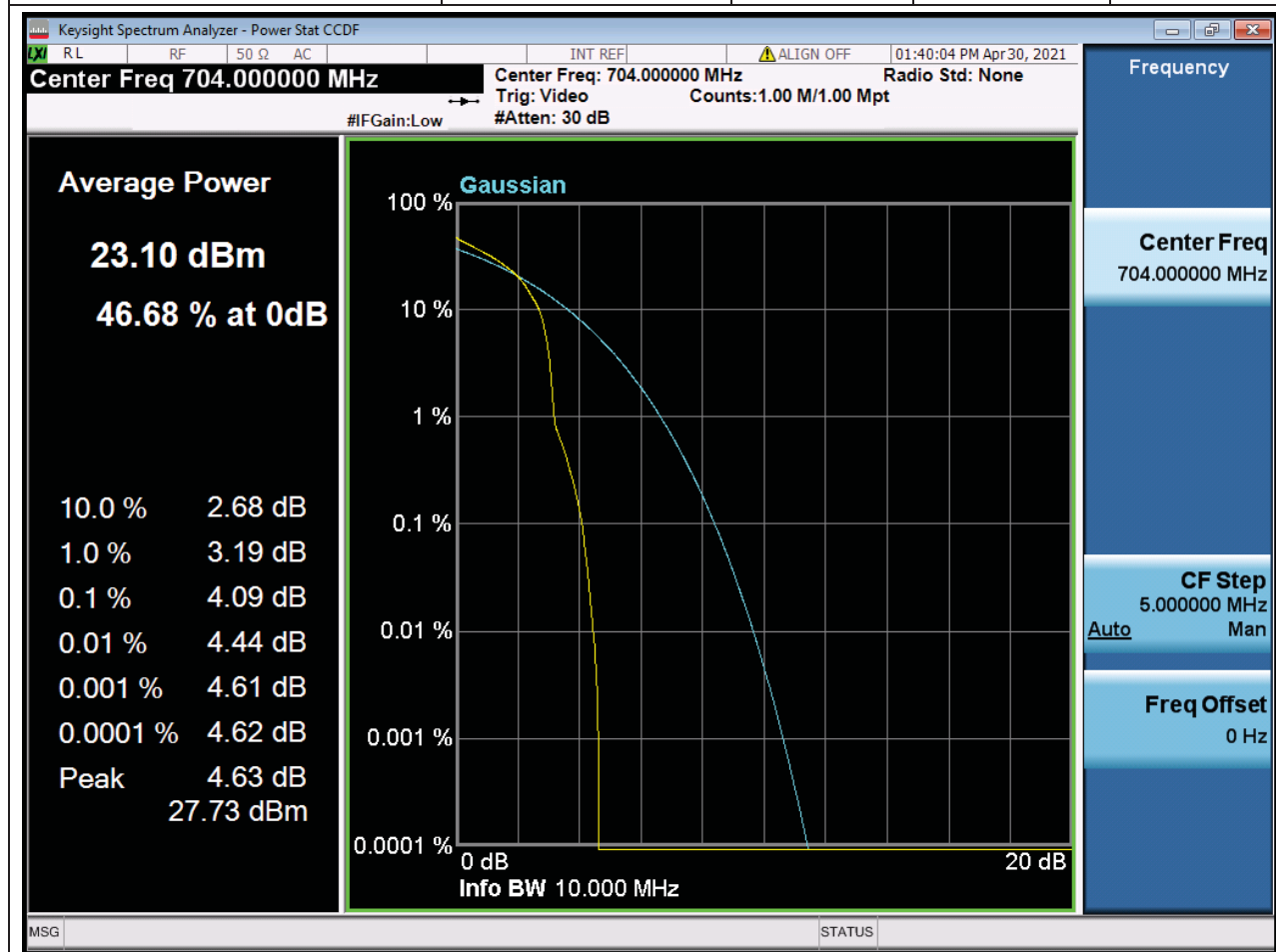
4. LTE_Band12

4.1. LTE-M1 10M Low QPSK Peak to Average Ratio(NTNV)



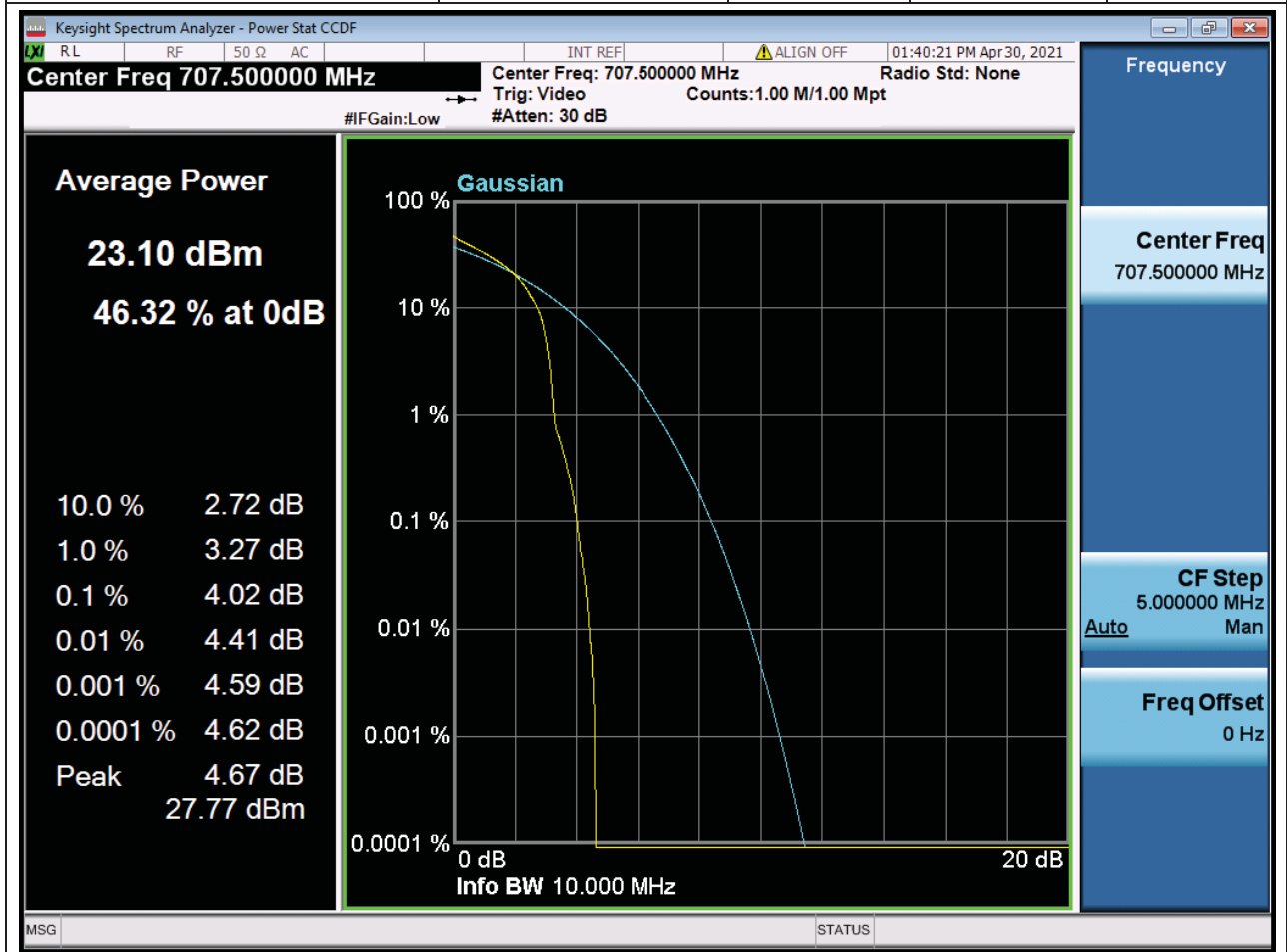
4.2. LTE-M1 10M Low 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
704	0.1	4.09	13	Pass



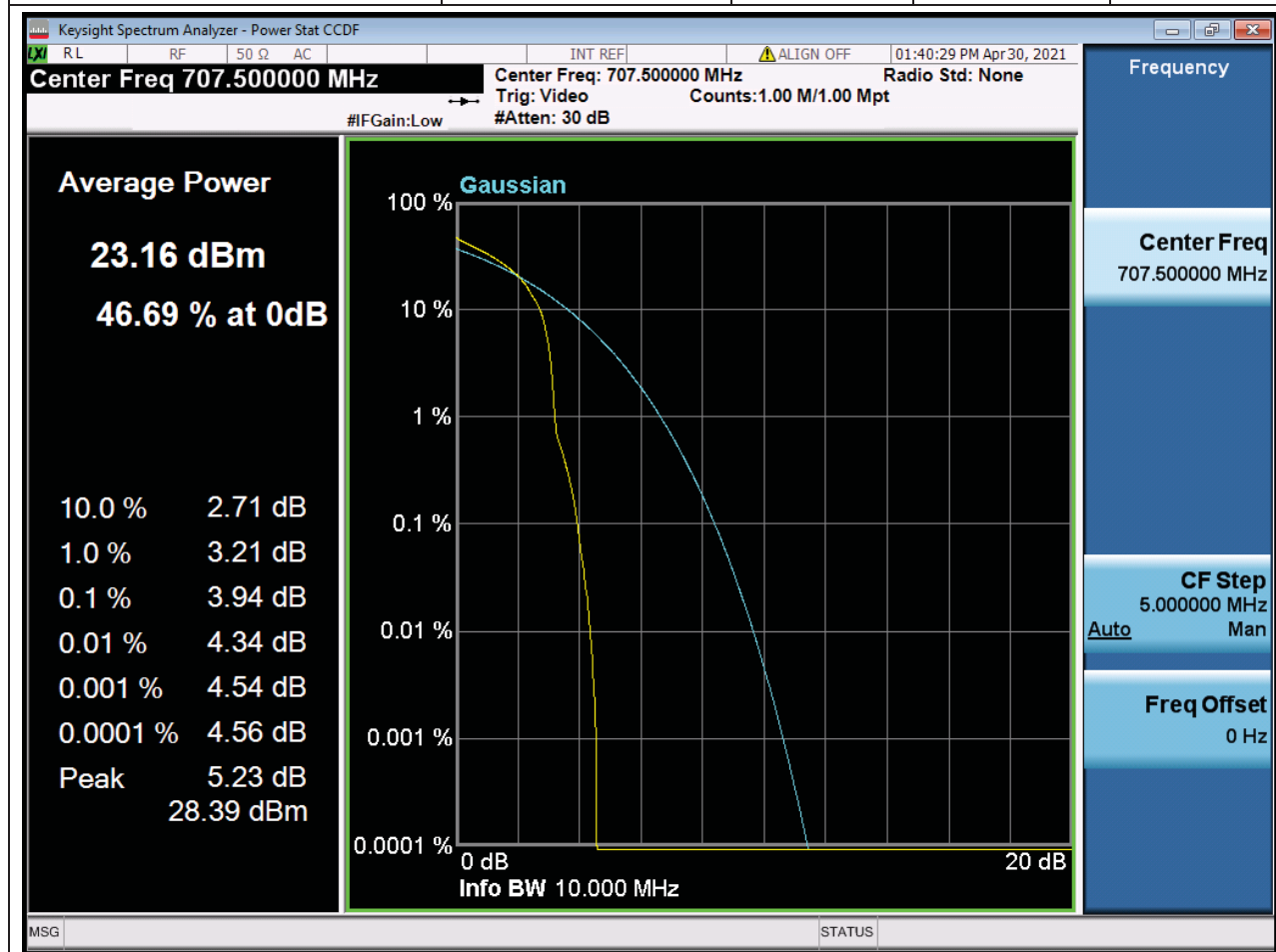
4.3. LTE-M1 10M Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
707.5	0.1	4.02	13	Pass



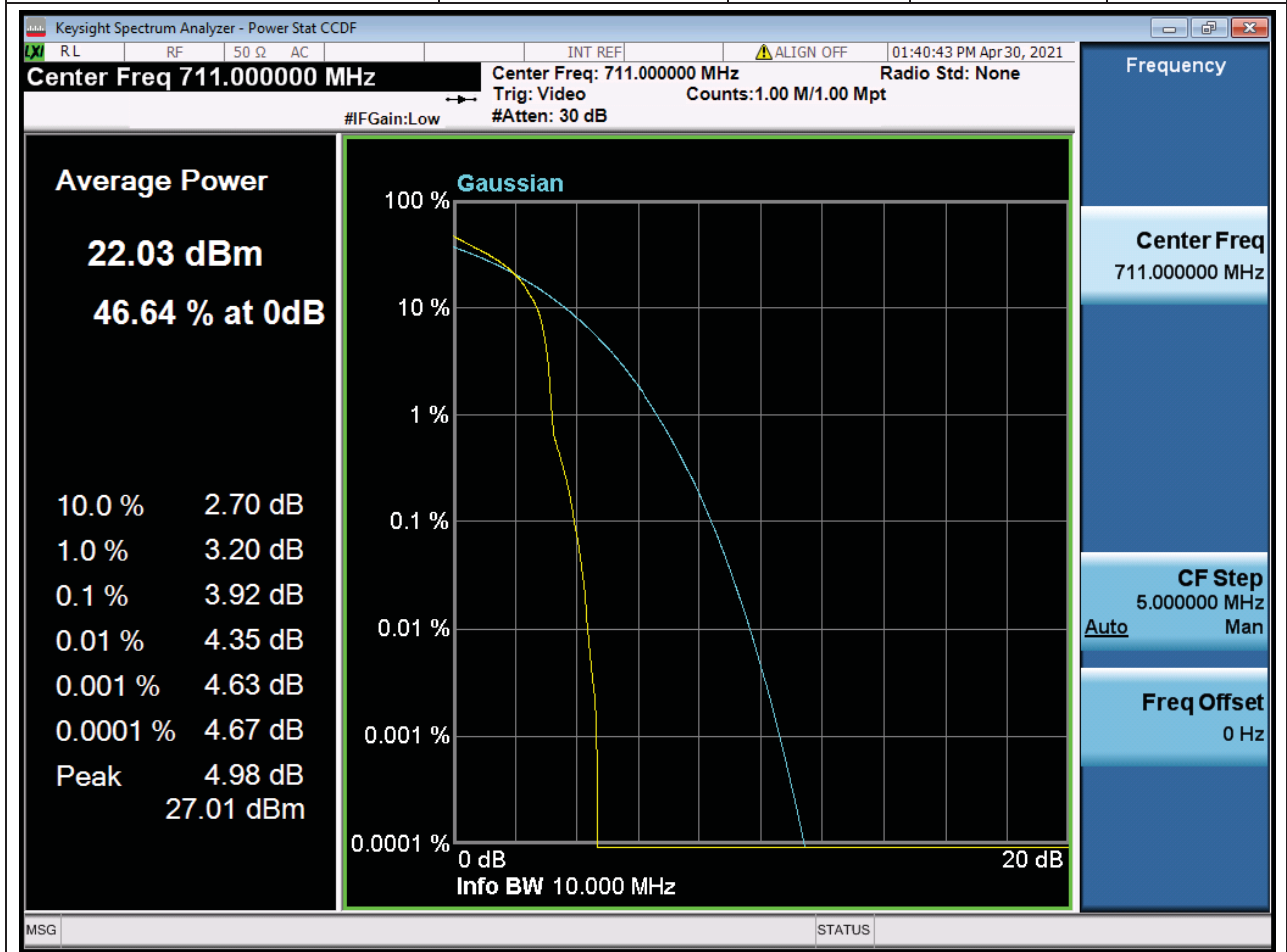
4.4. LTE-M1 10M Middle 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
707.5	0.1	3.94	13	Pass



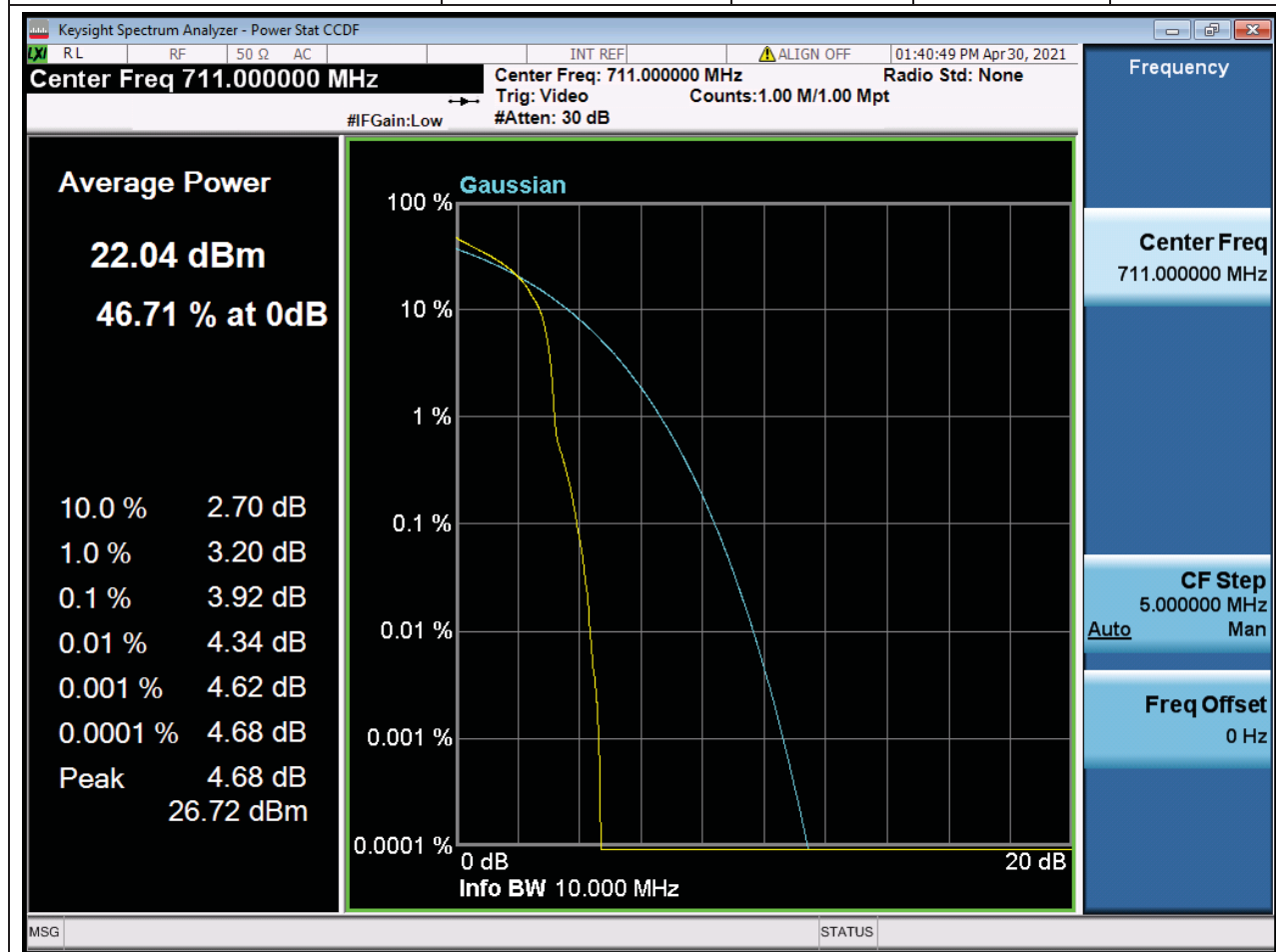
4.5. LTE-M1 10M High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
711	0.1	3.92	13	Pass



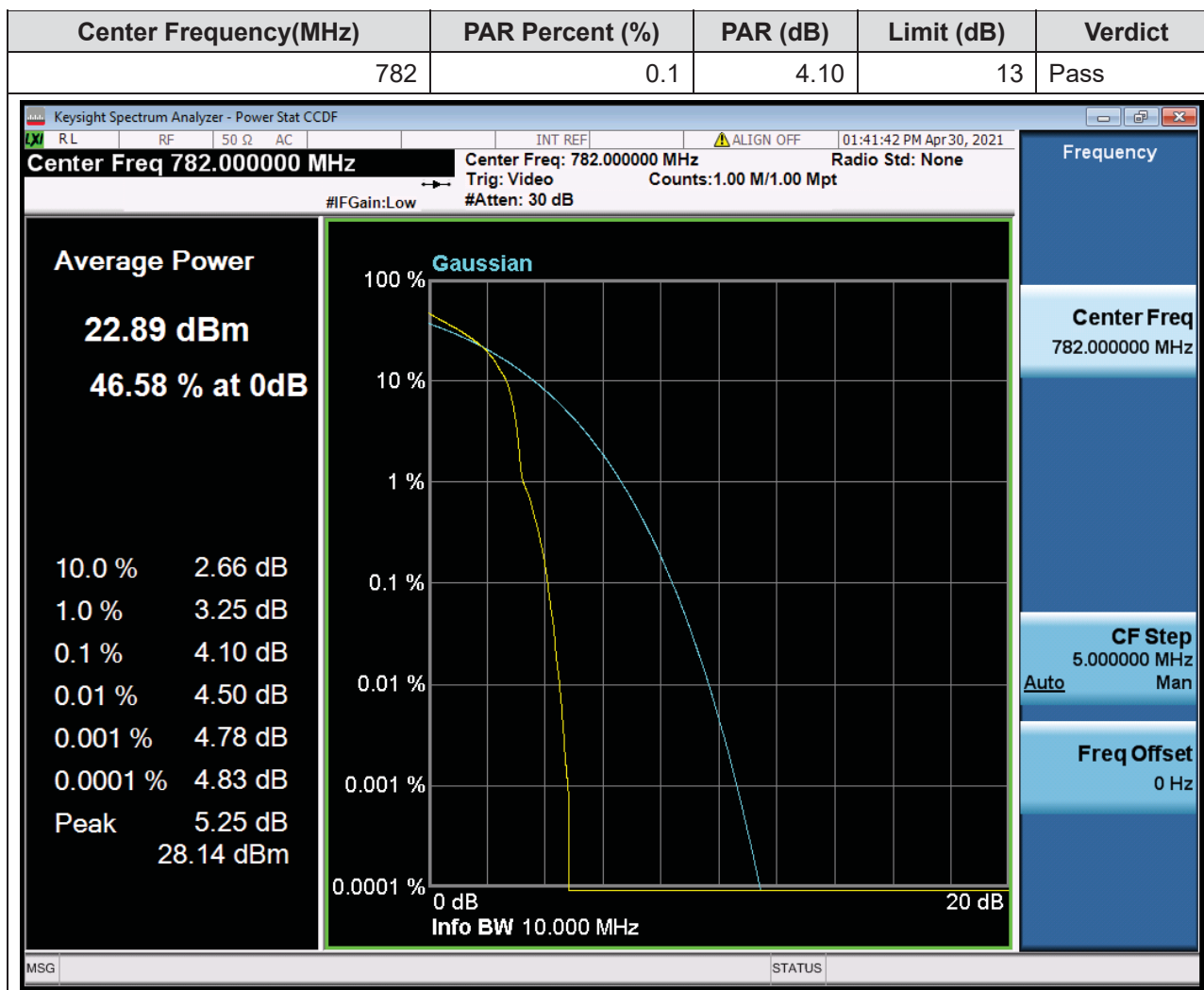
4.6. LTE-M1 10M High 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
711	0.1	3.92	13	Pass



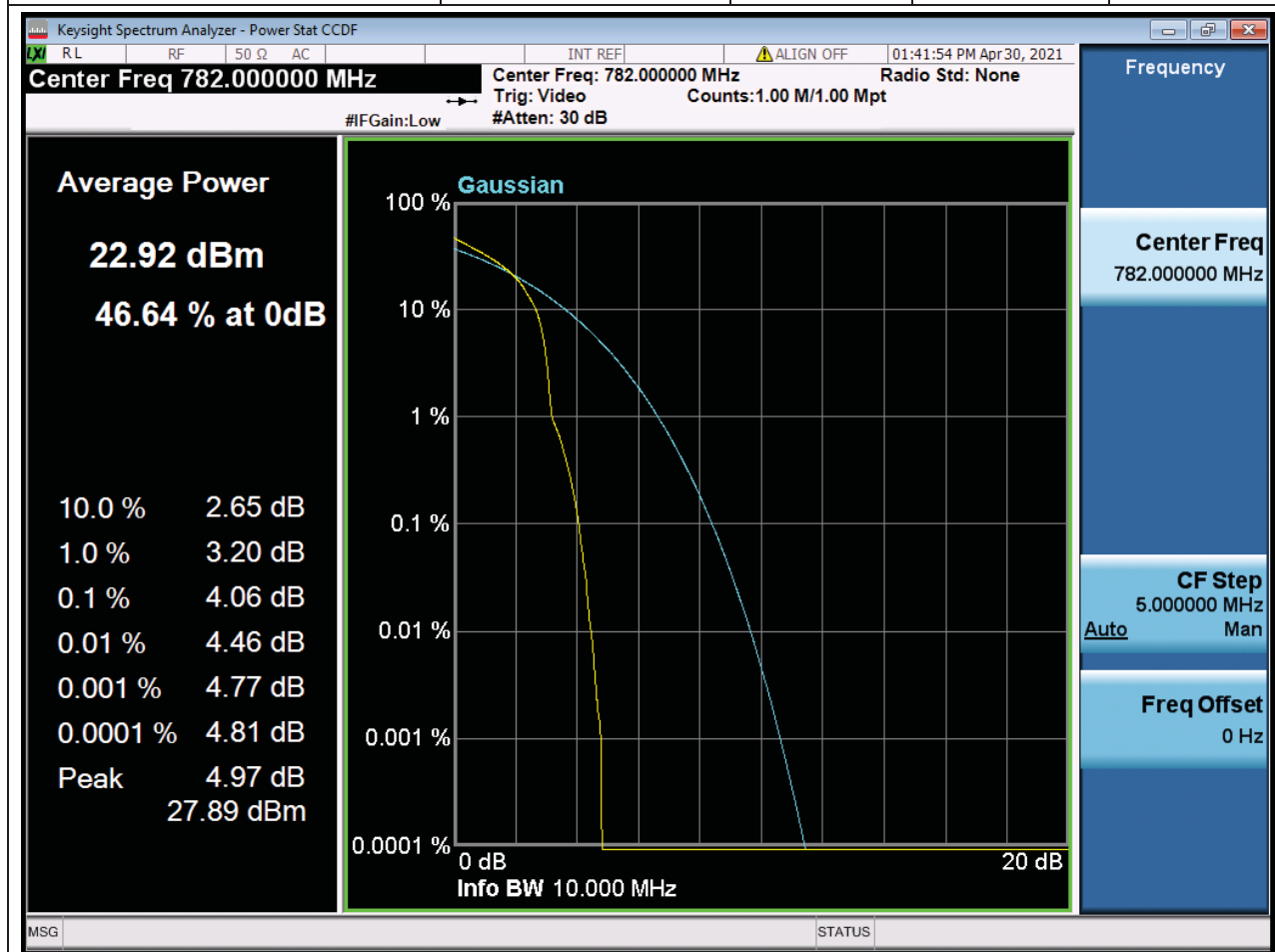
5. LTE_Band13

5.1. LTE-M1 10M QPSK Peak to Average Ratio(NTNV)



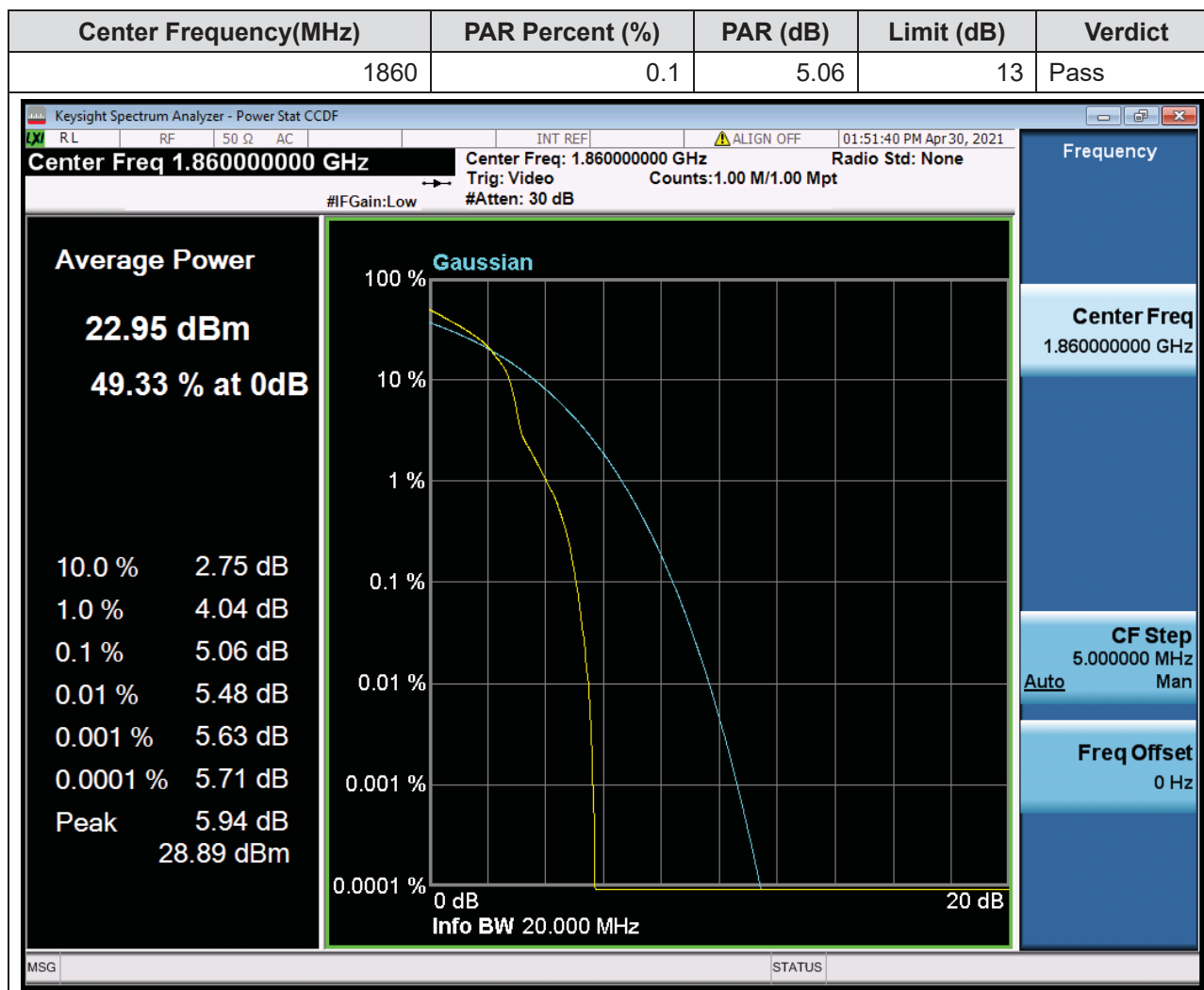
5.2. LTE-M1 10M 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
782	0.1	4.06	13	Pass



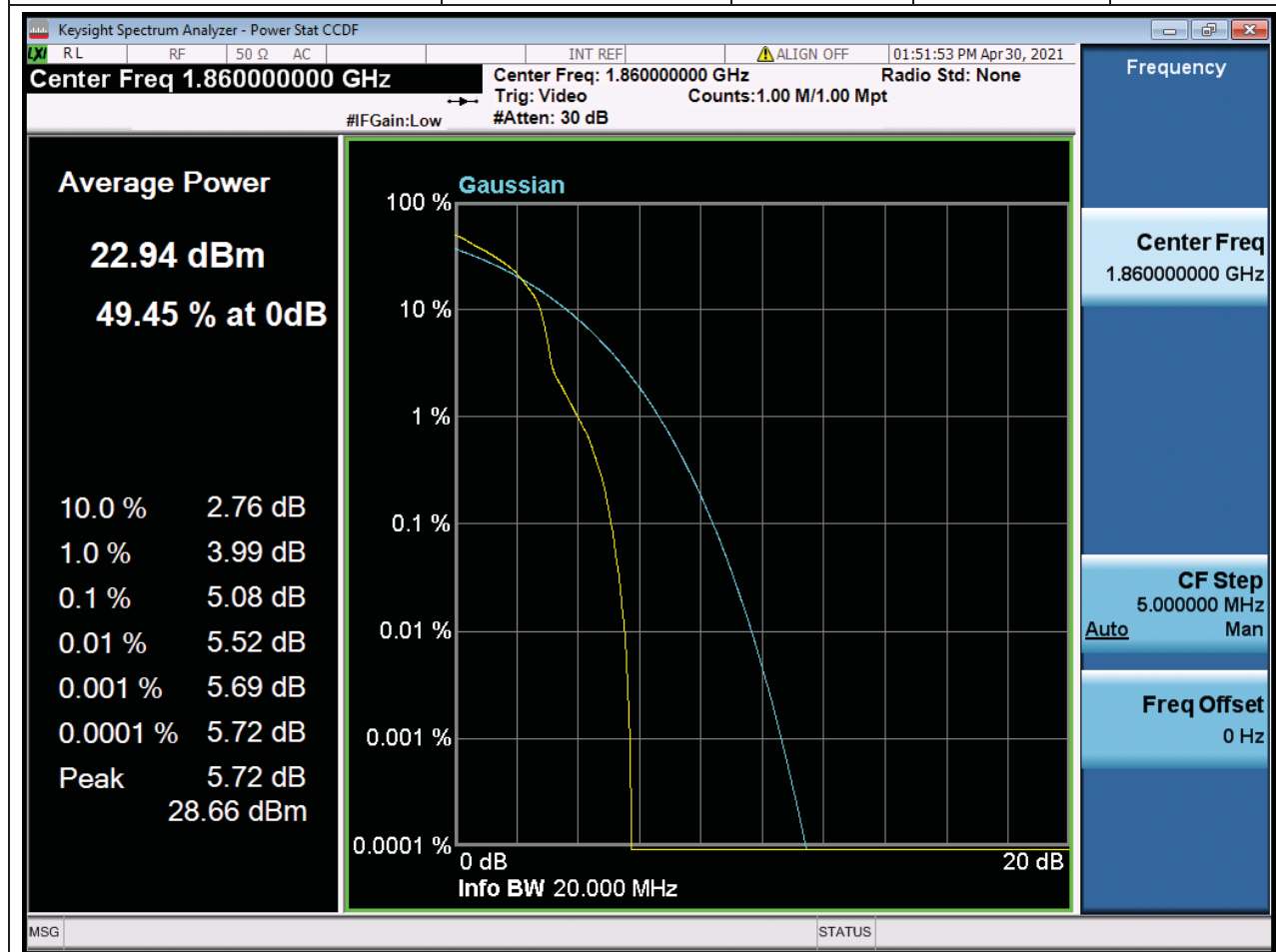
9. LTE_Band25

9.1. LTE-M1 20M Low QPSK Peak to Average Ratio(NTNV)



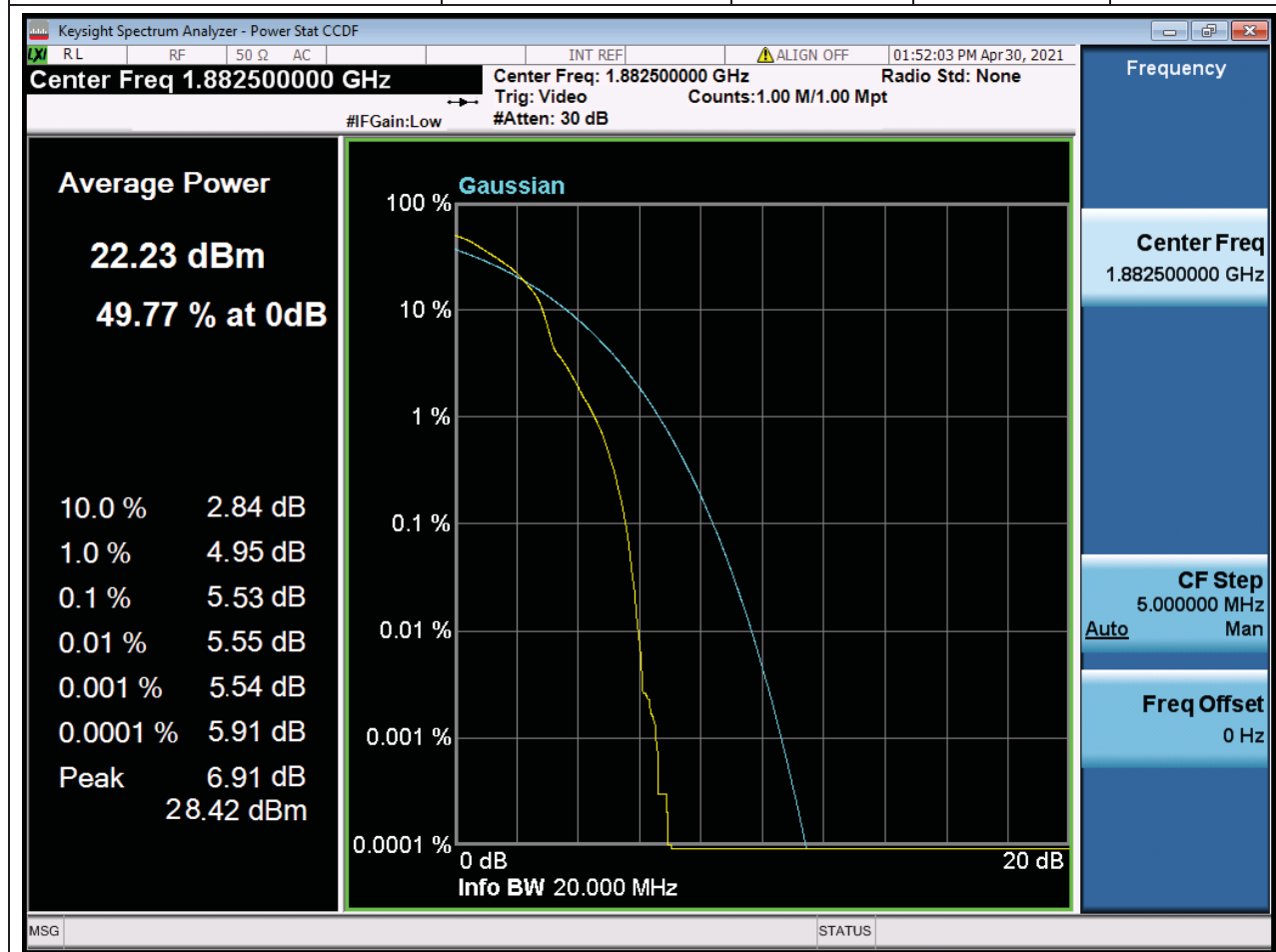
9.2. LTE-M1 20M Low 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1860	0.1	5.08	13	Pass



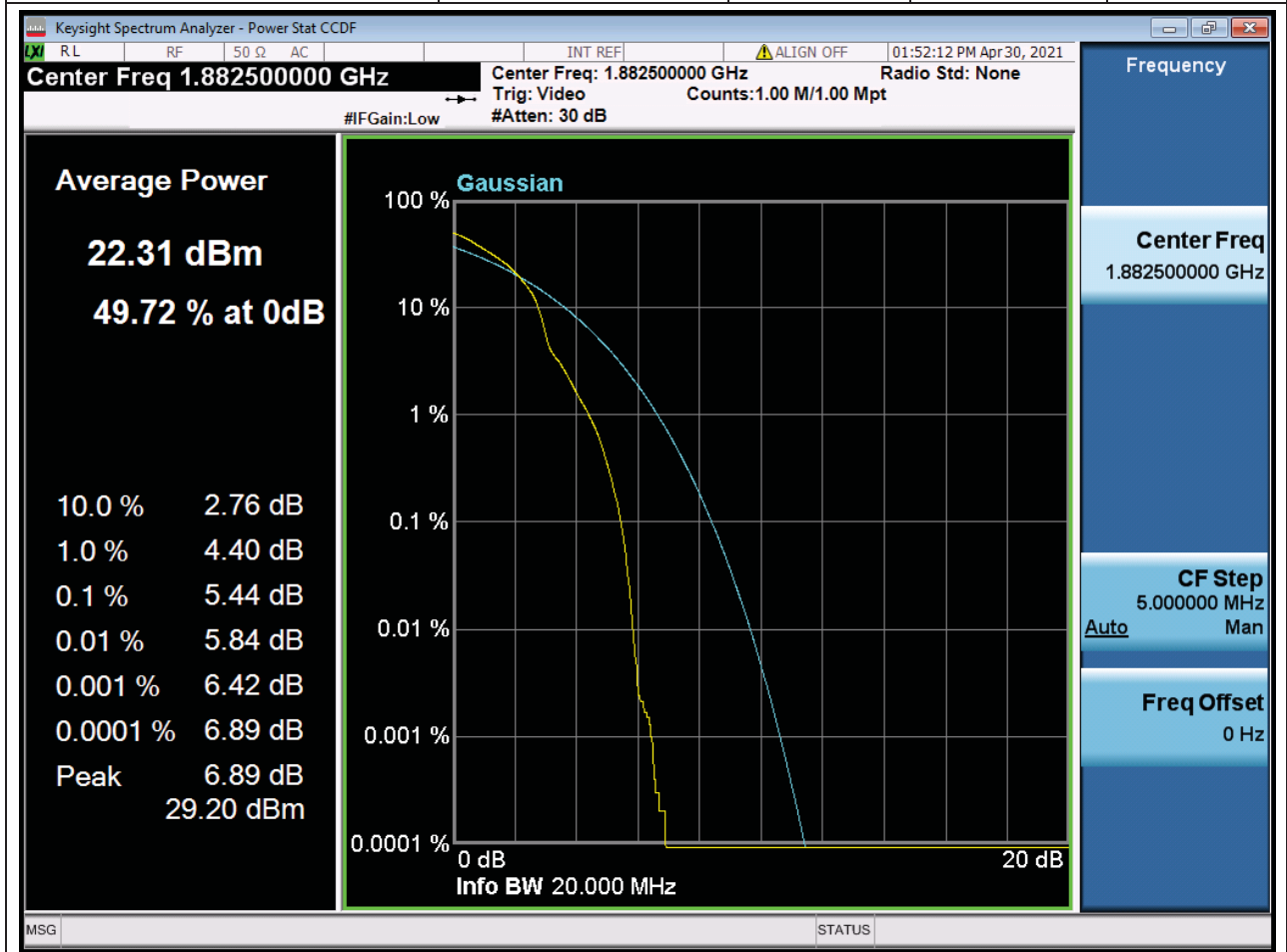
9.3. LTE-M1 20M Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1882.5	0.1	5.53	13	Pass



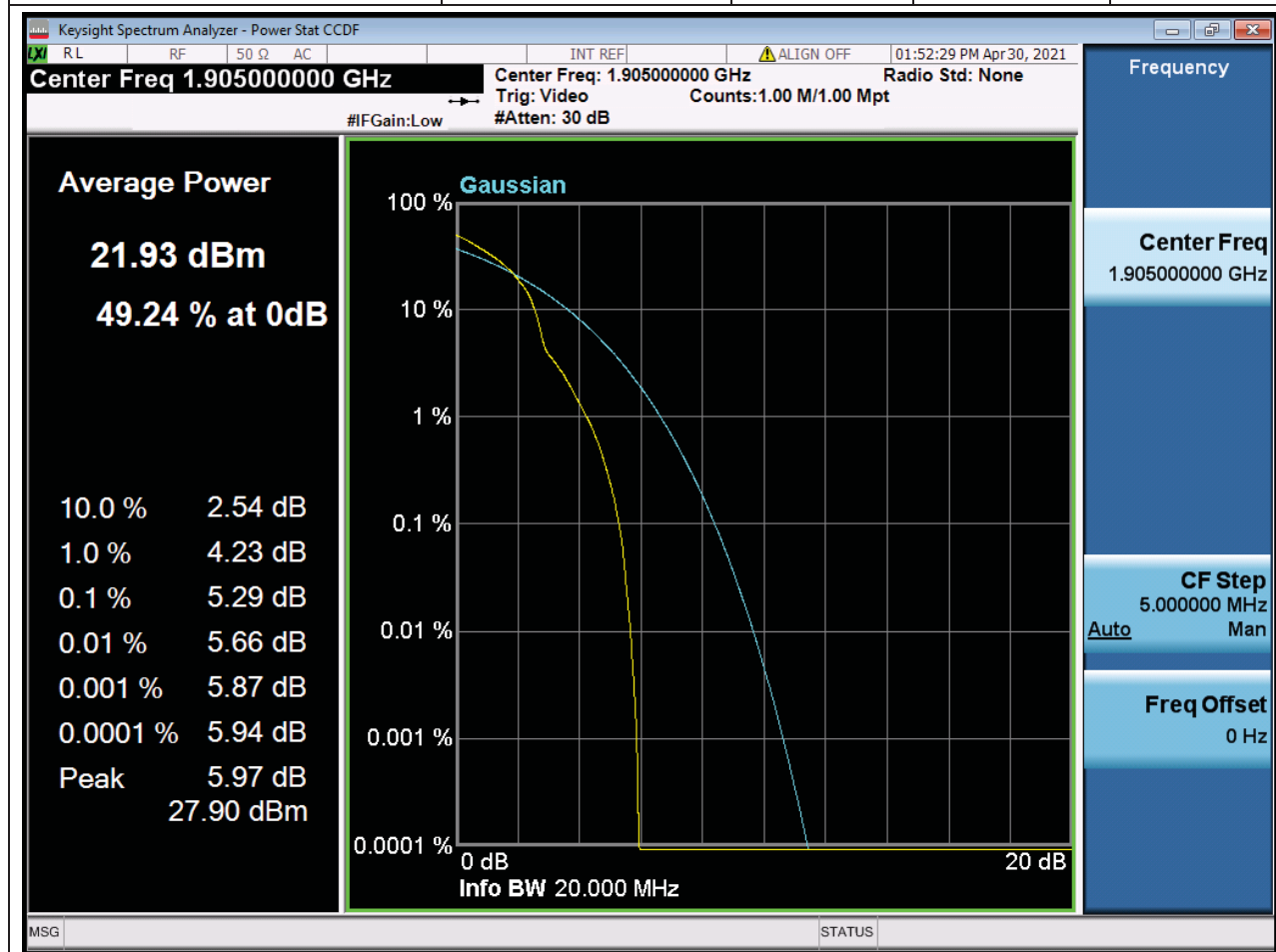
9.4. LTE-M1 20M Middle 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1882.5	0.1	5.44	13	Pass



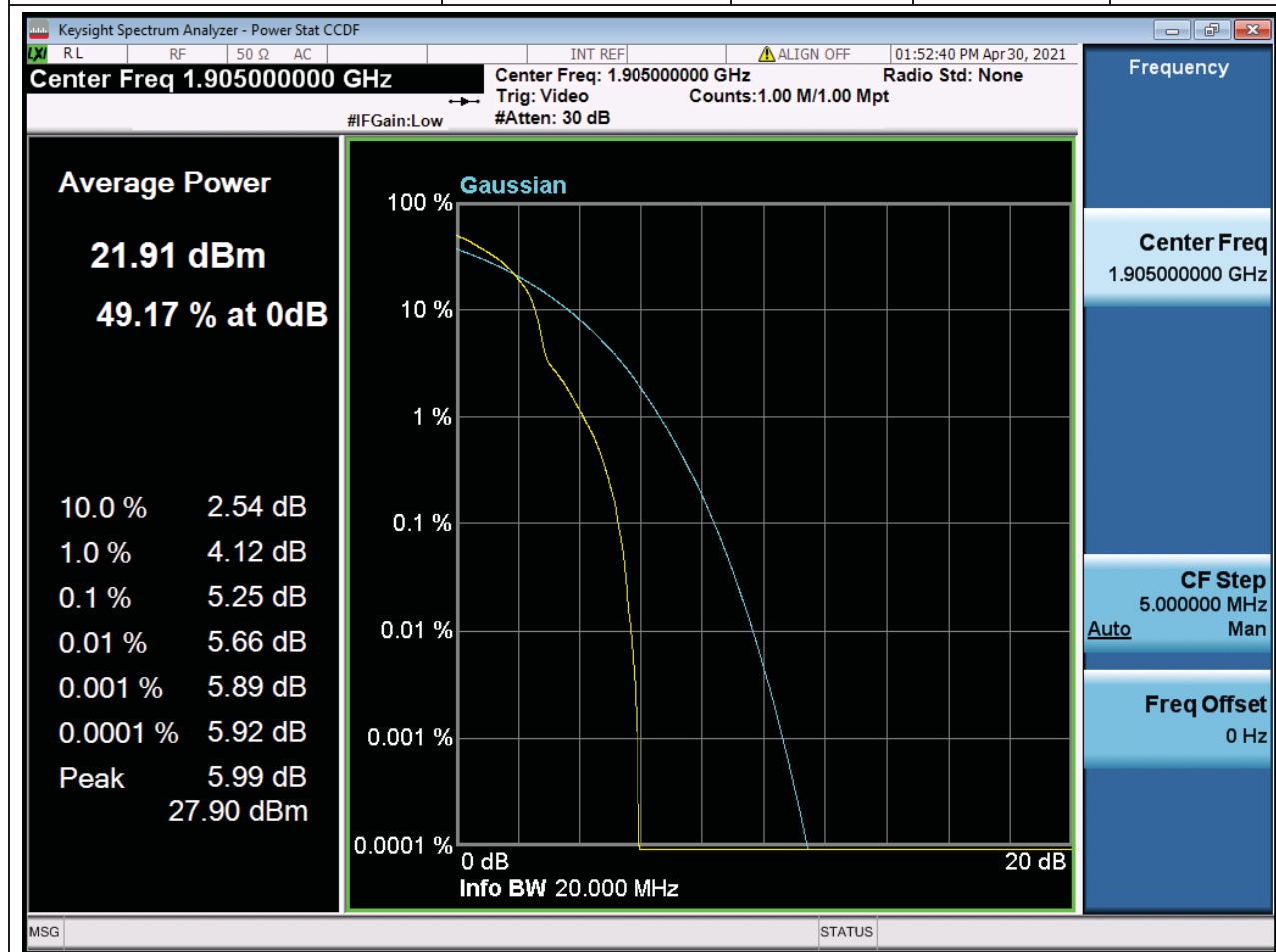
9.5. LTE-M1 20M High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1905	0.1	5.29	13	Pass



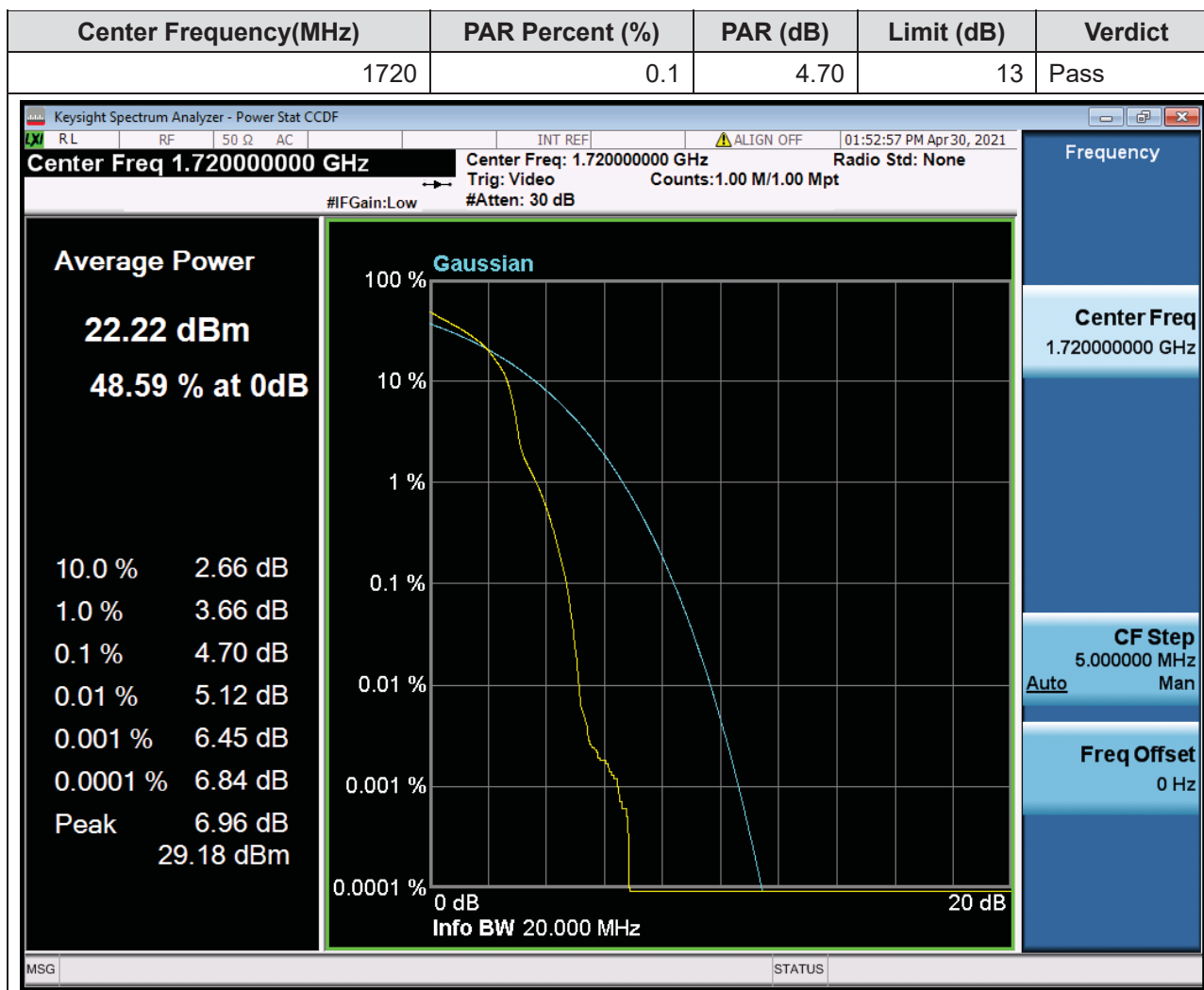
9.6. LTE-M1 20M High 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1905	0.1	5.25	13	Pass



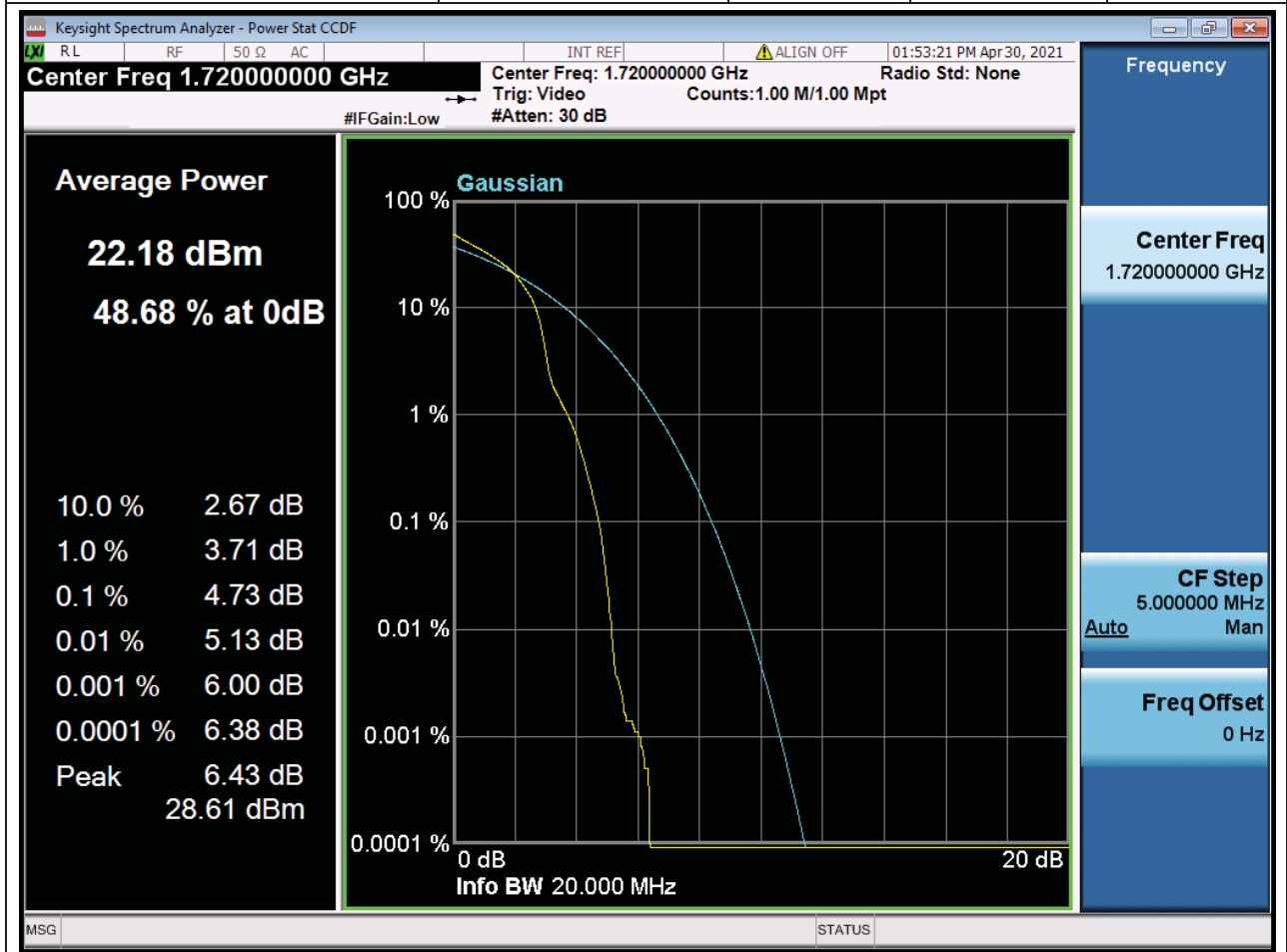
11. LTE_Band66

11.1. LTE-M1 20M Low QPSK Peak to Average Ratio(NTNV)



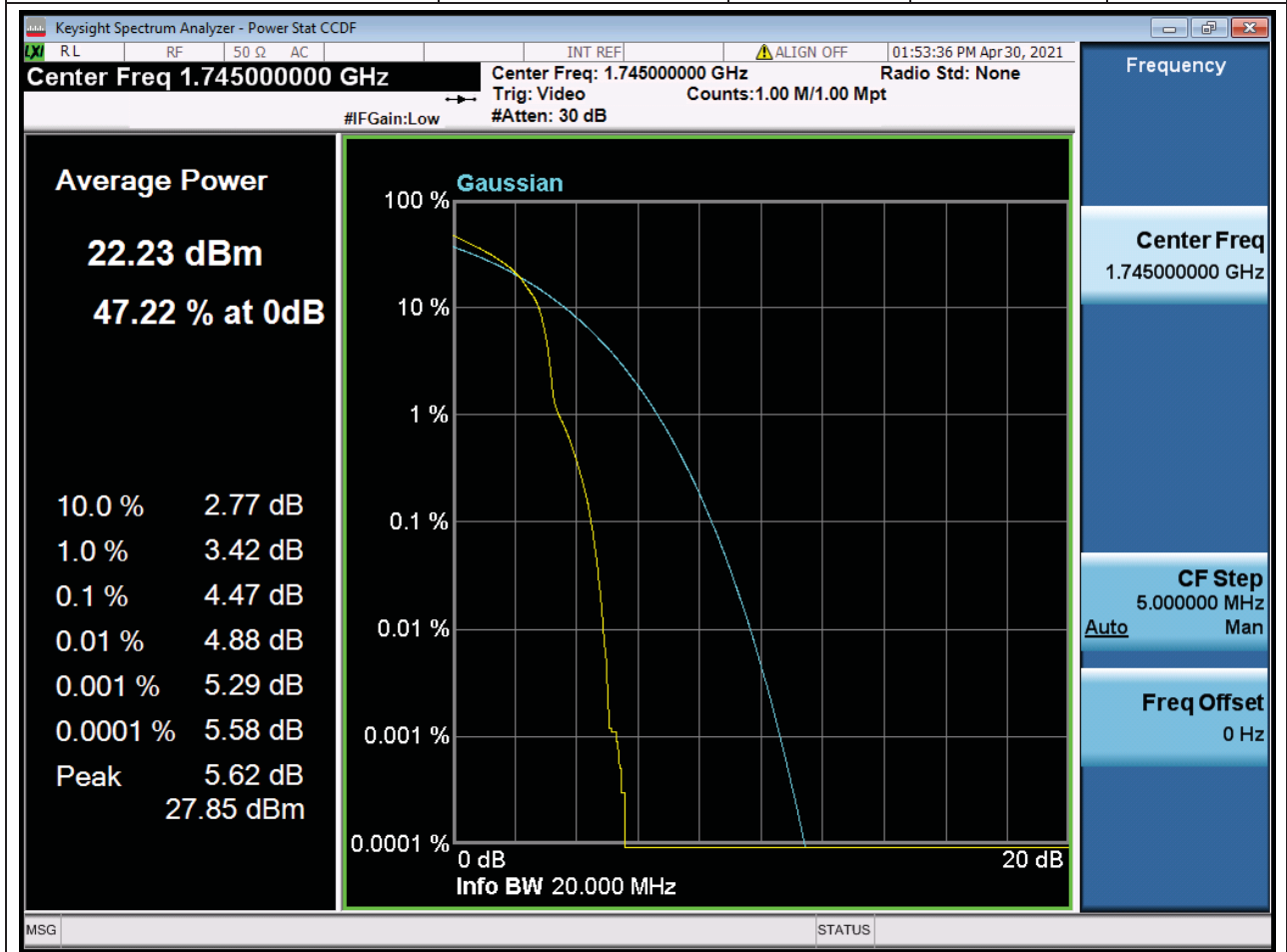
11.2. LTE-M1 20M Low 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1720	0.1	4.73	13	Pass



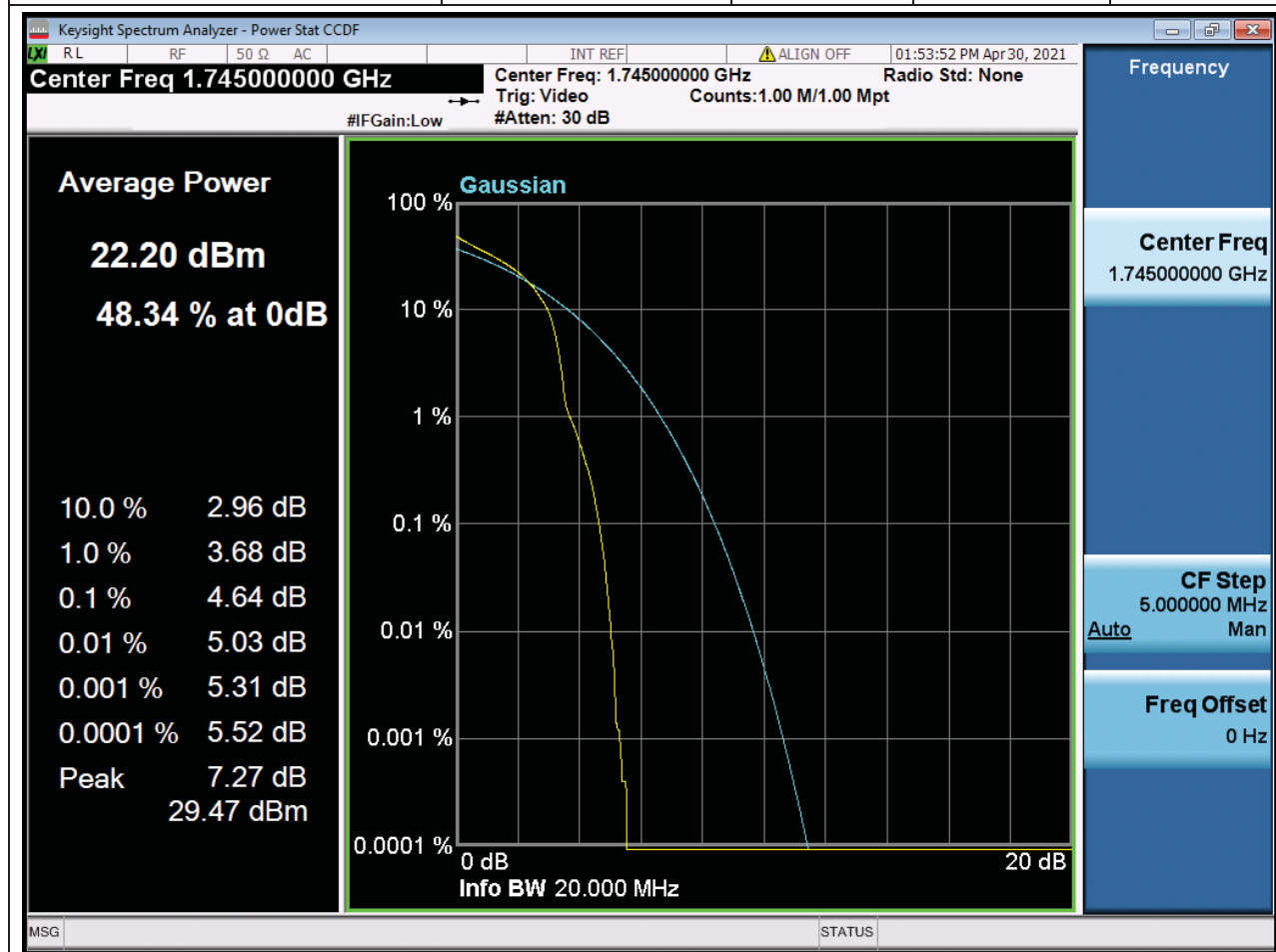
11.3. LTE-M1 20M Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1745	0.1	4.47	13	Pass



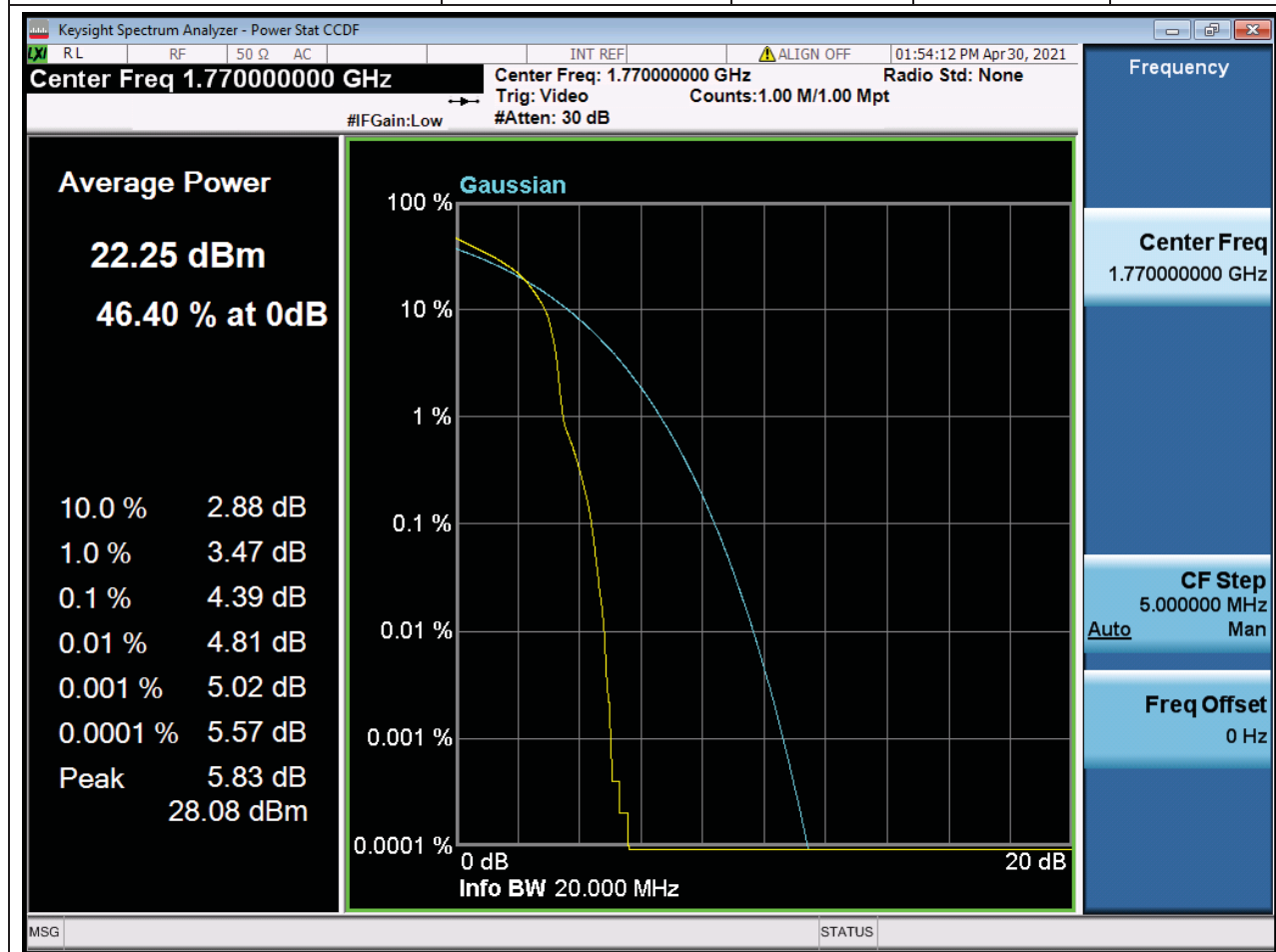
11.4. LTE-M1 20M Middle 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1745	0.1	4.64	13	Pass



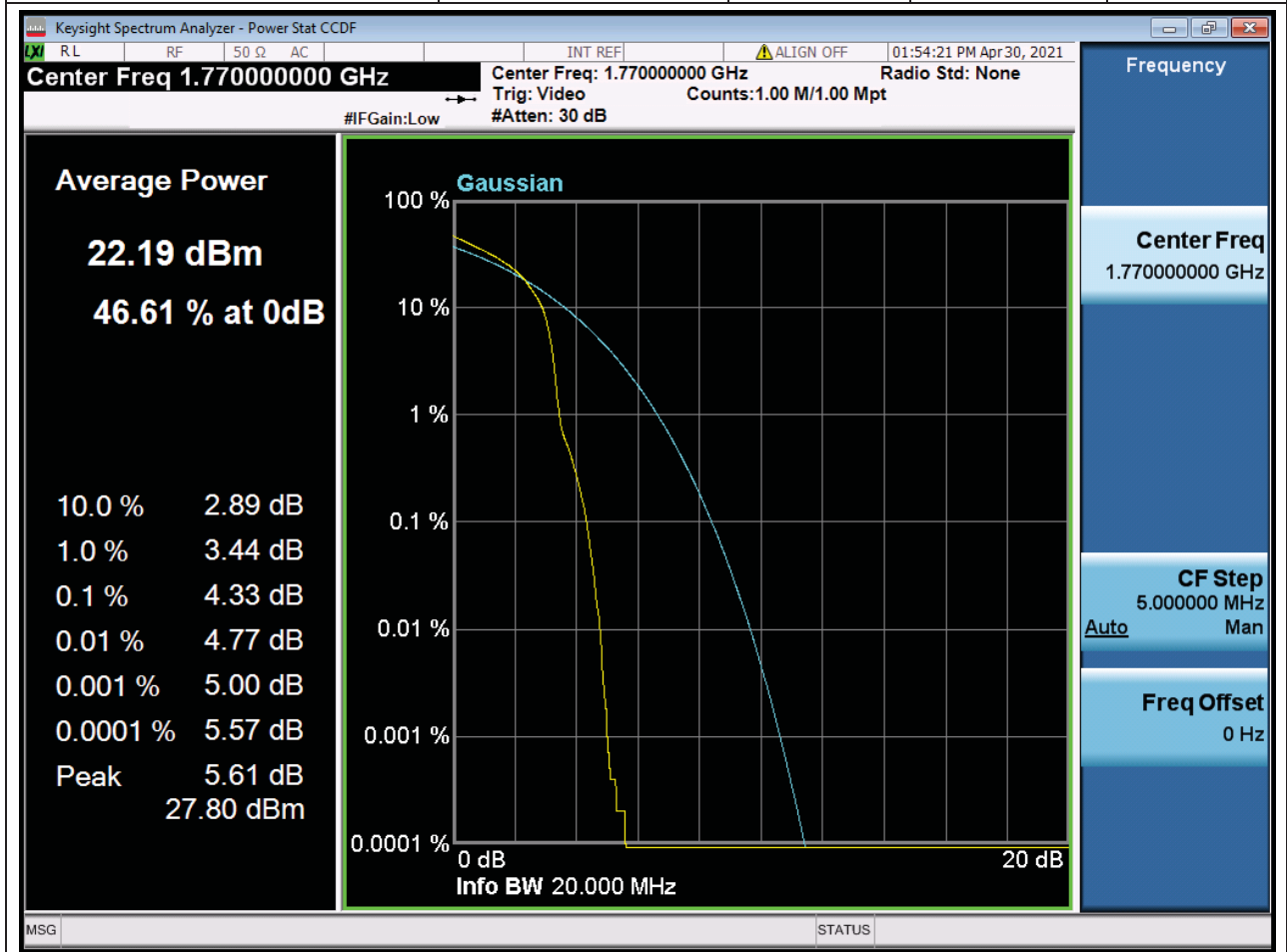
11.5. LTE-M1 20M High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1770	0.1	4.39	13	Pass



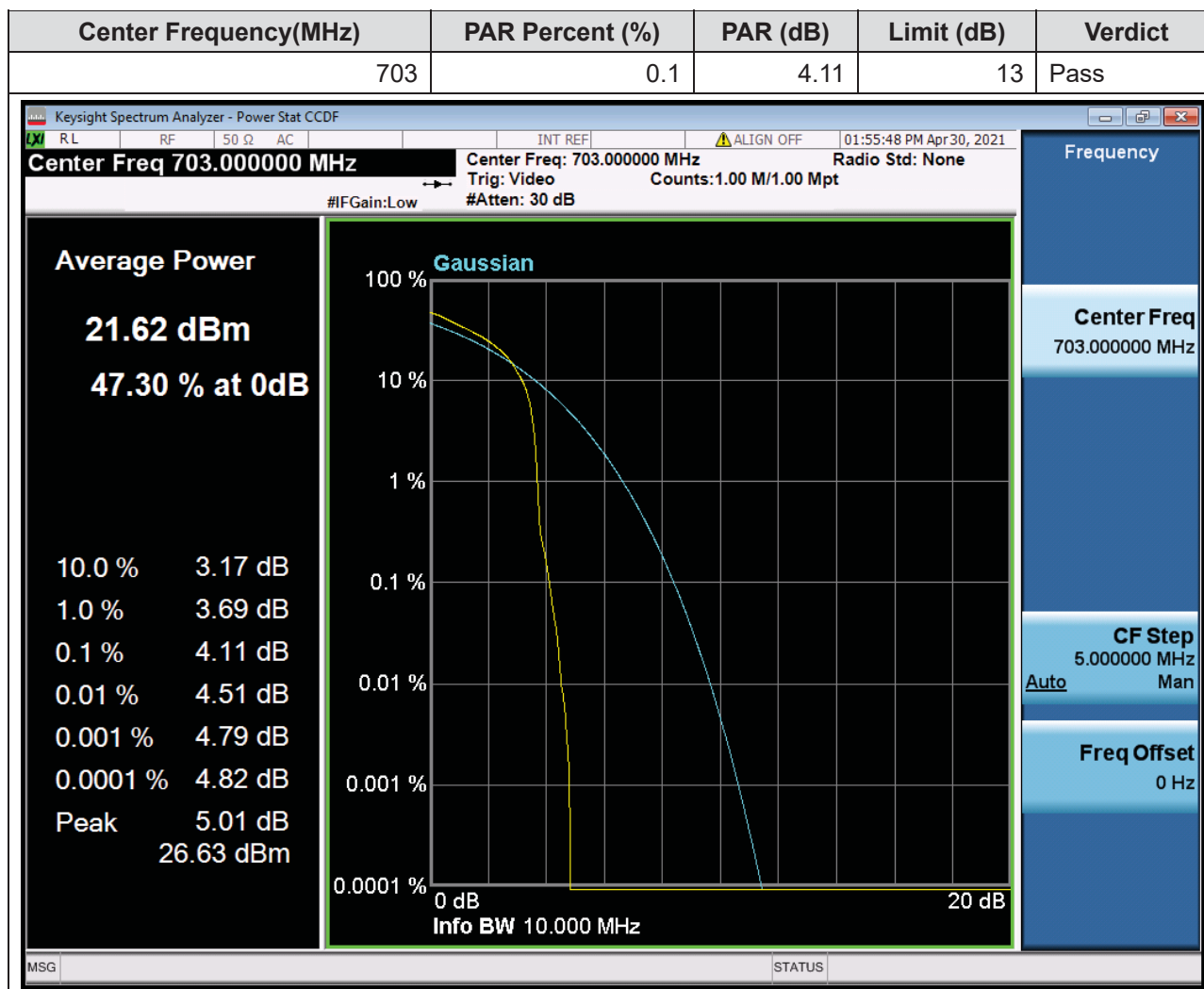
11.6. LTE-M1 20M High 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1770	0.1	4.33	13	Pass



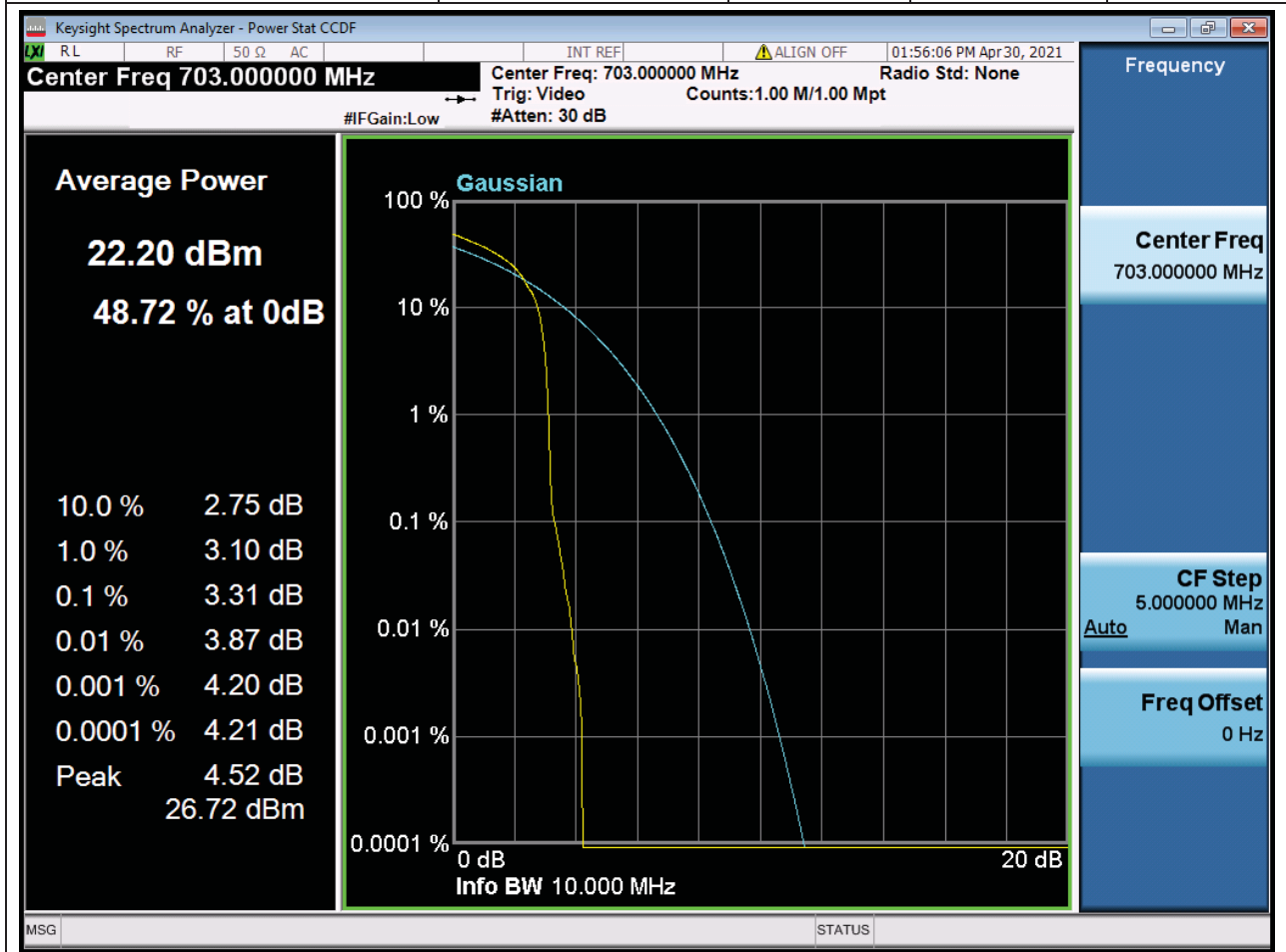
12. LTE_Band85

12.1. LTE-M1 10M Low QPSK Peak to Average Ratio(NTNV)



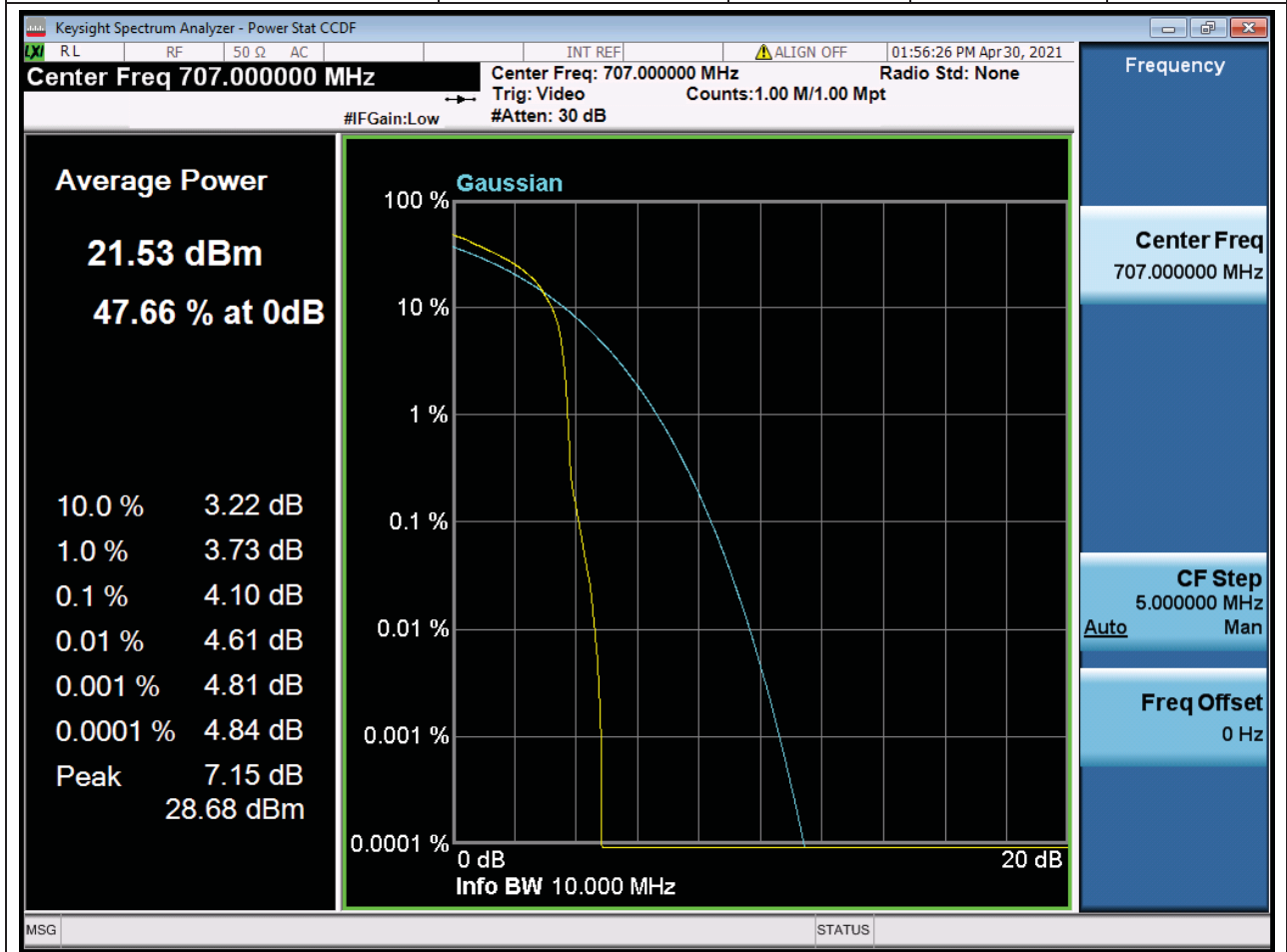
12.2. LTE-M1 10M Low 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
703	0.1	3.31	13	Pass



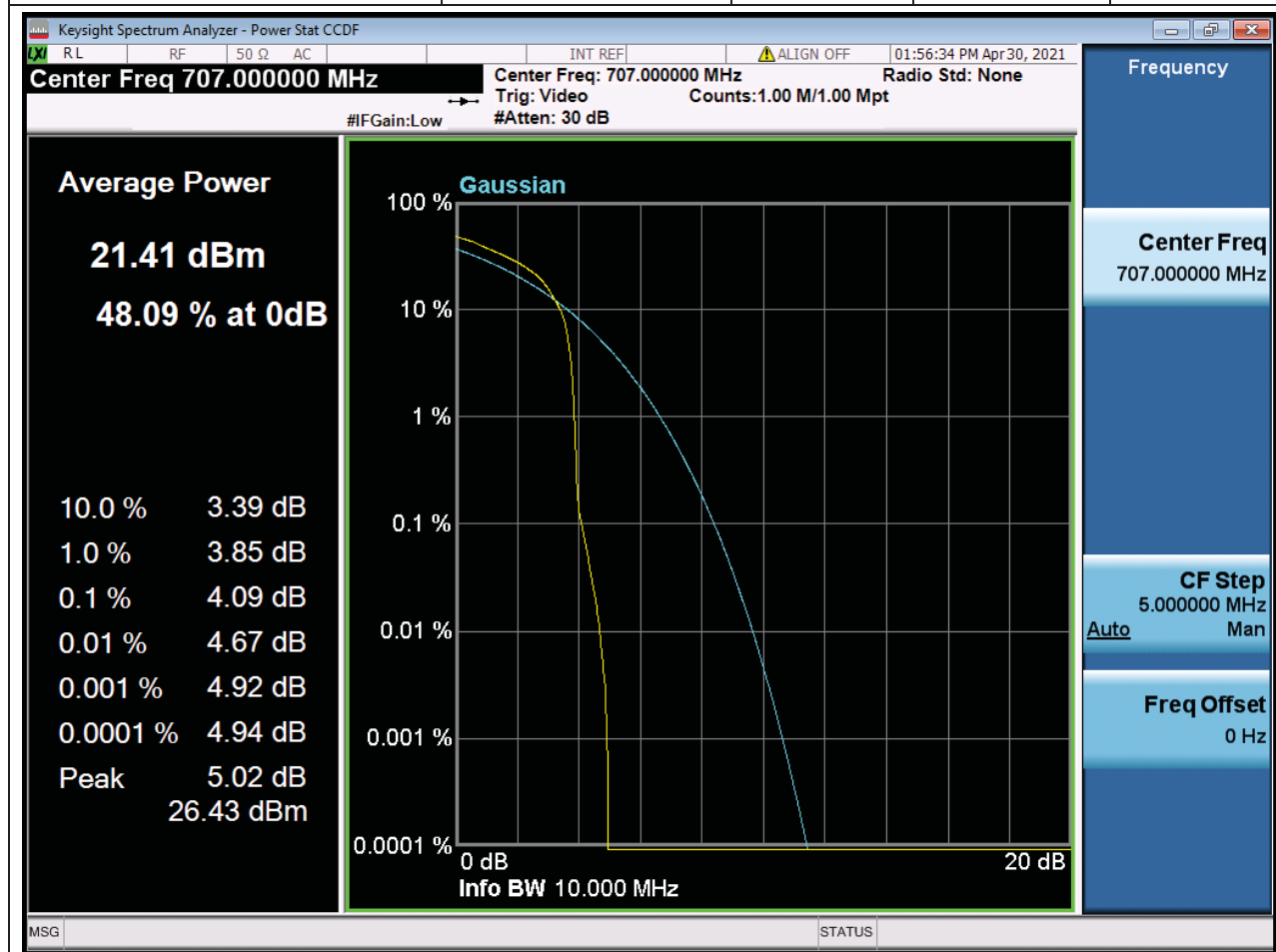
12.3. LTE-M1 10M Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
707	0.1	4.10	13	Pass



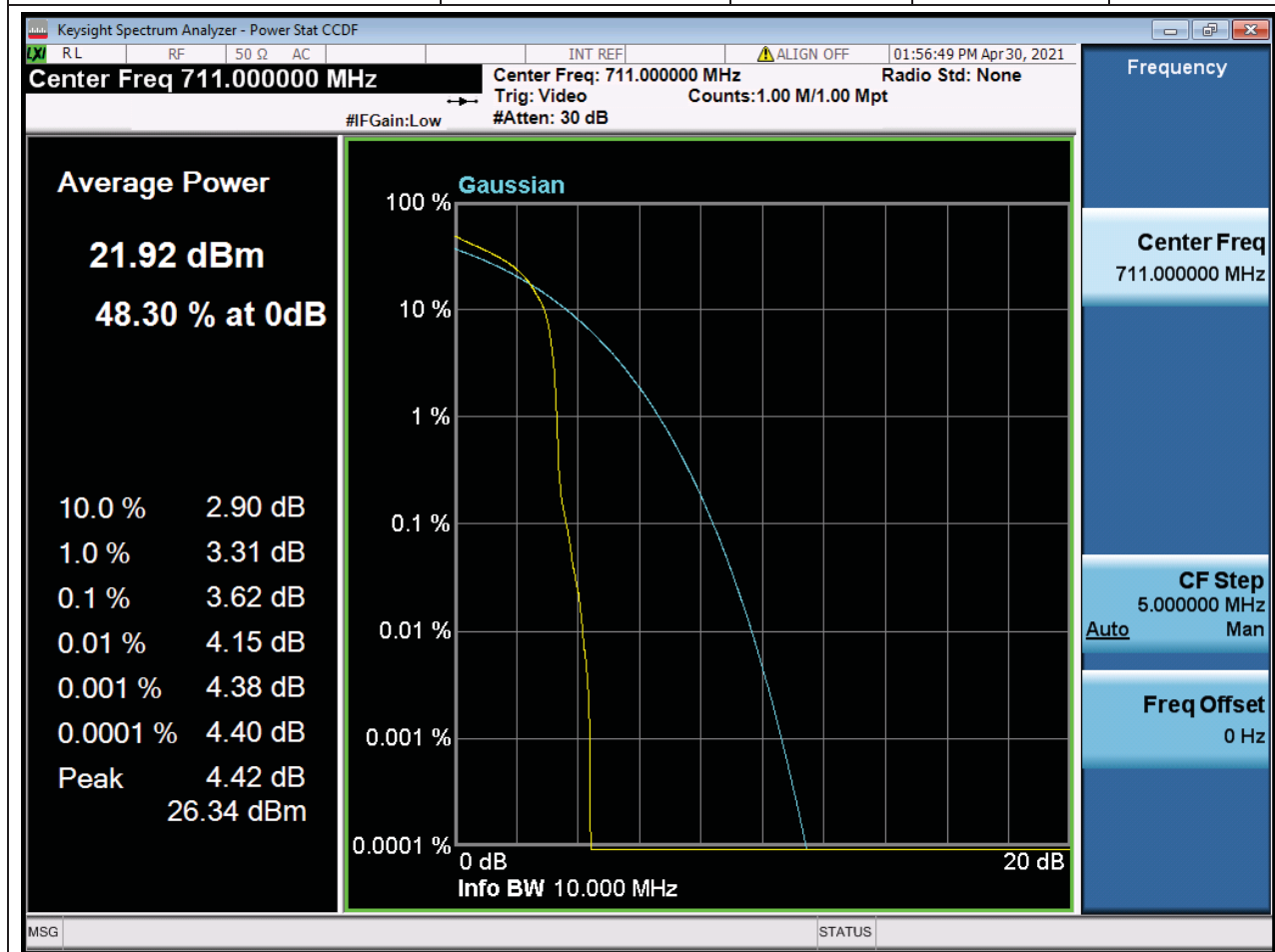
12.4. LTE-M1 10M Middle 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
707	0.1	4.09	13	Pass



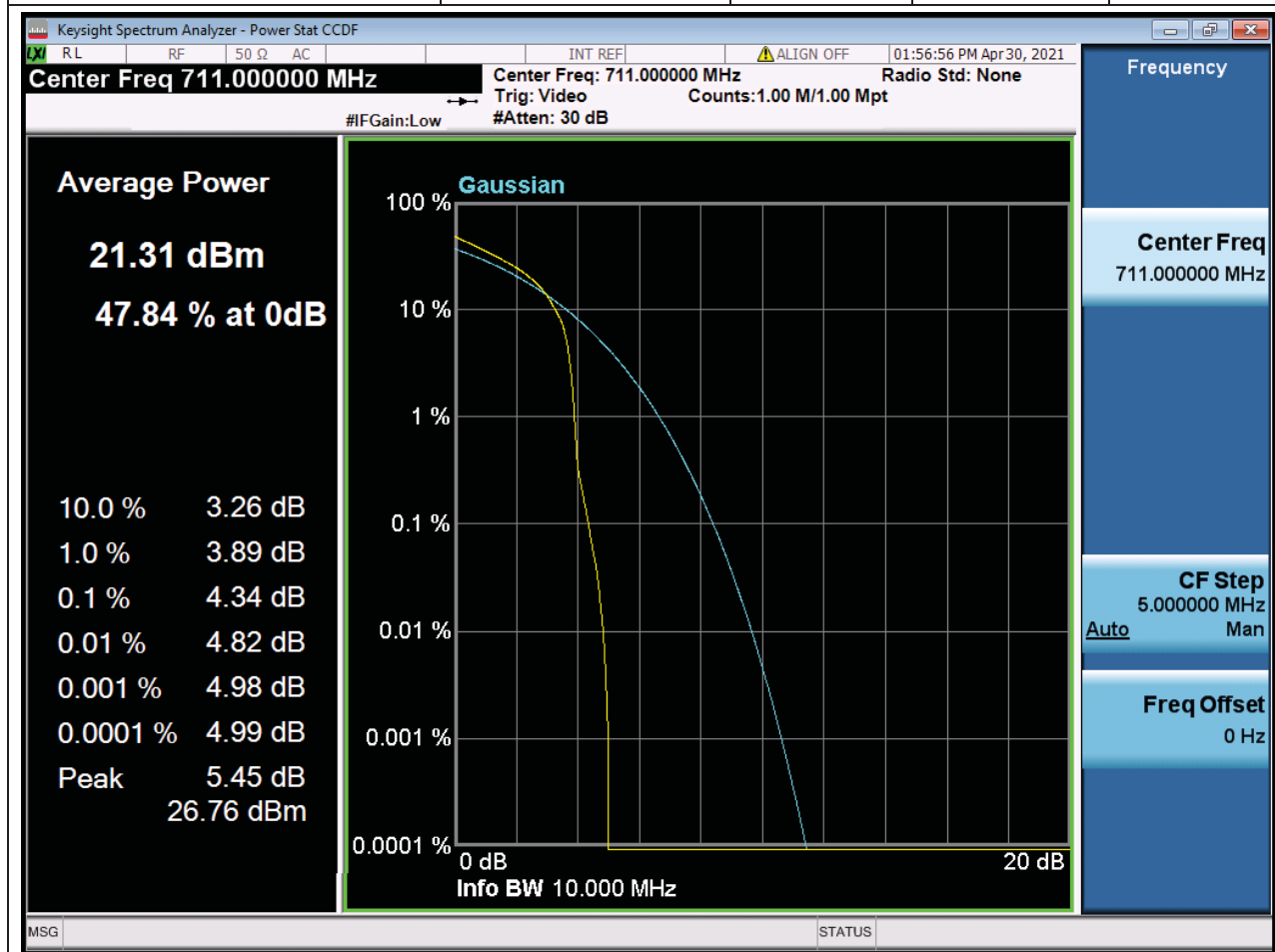
12.5. LTE-M1 10M High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
711	0.1	3.62	13	Pass



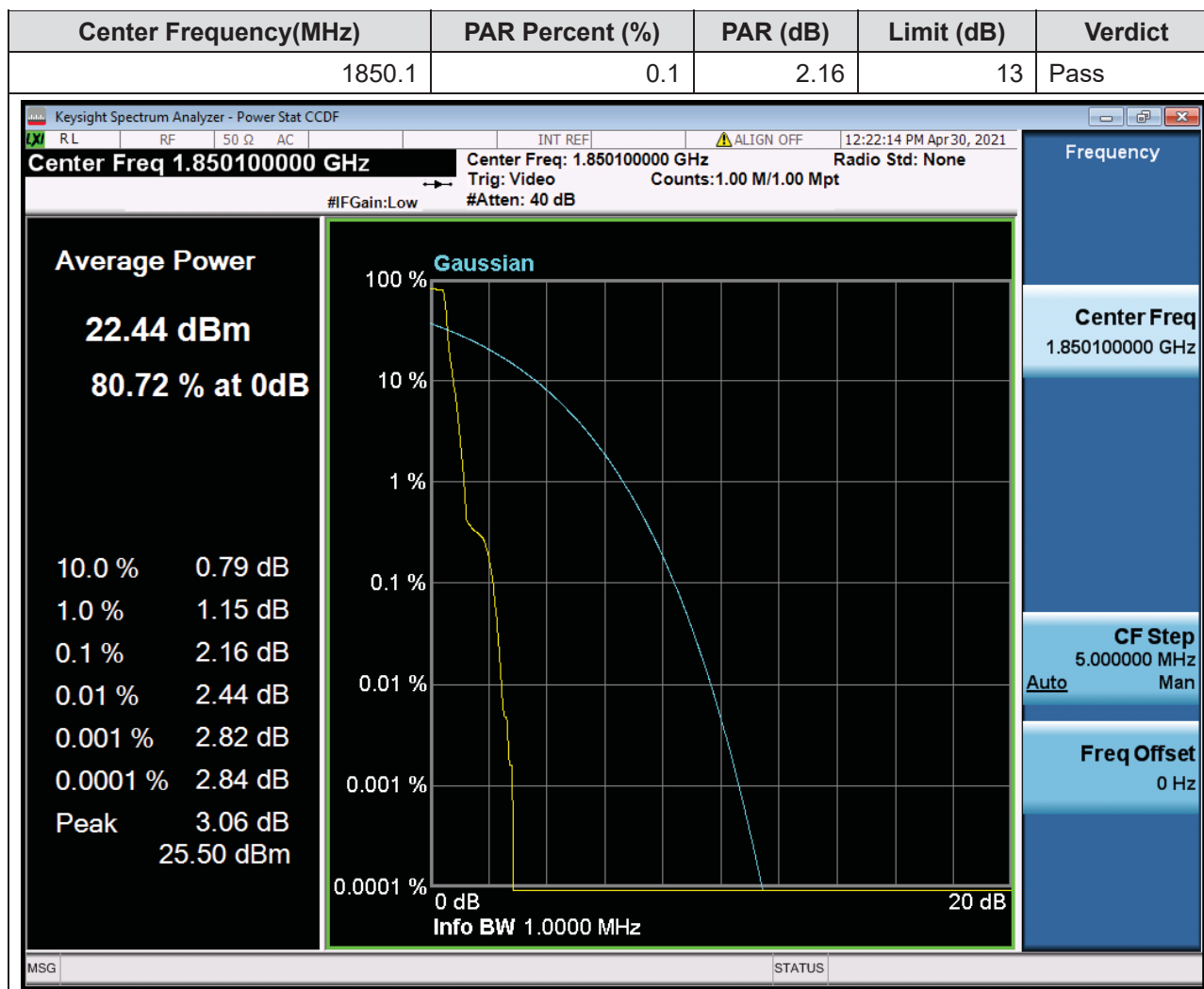
12.6. LTE-M1 10M High 16QAM Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
711	0.1	4.34	13	Pass



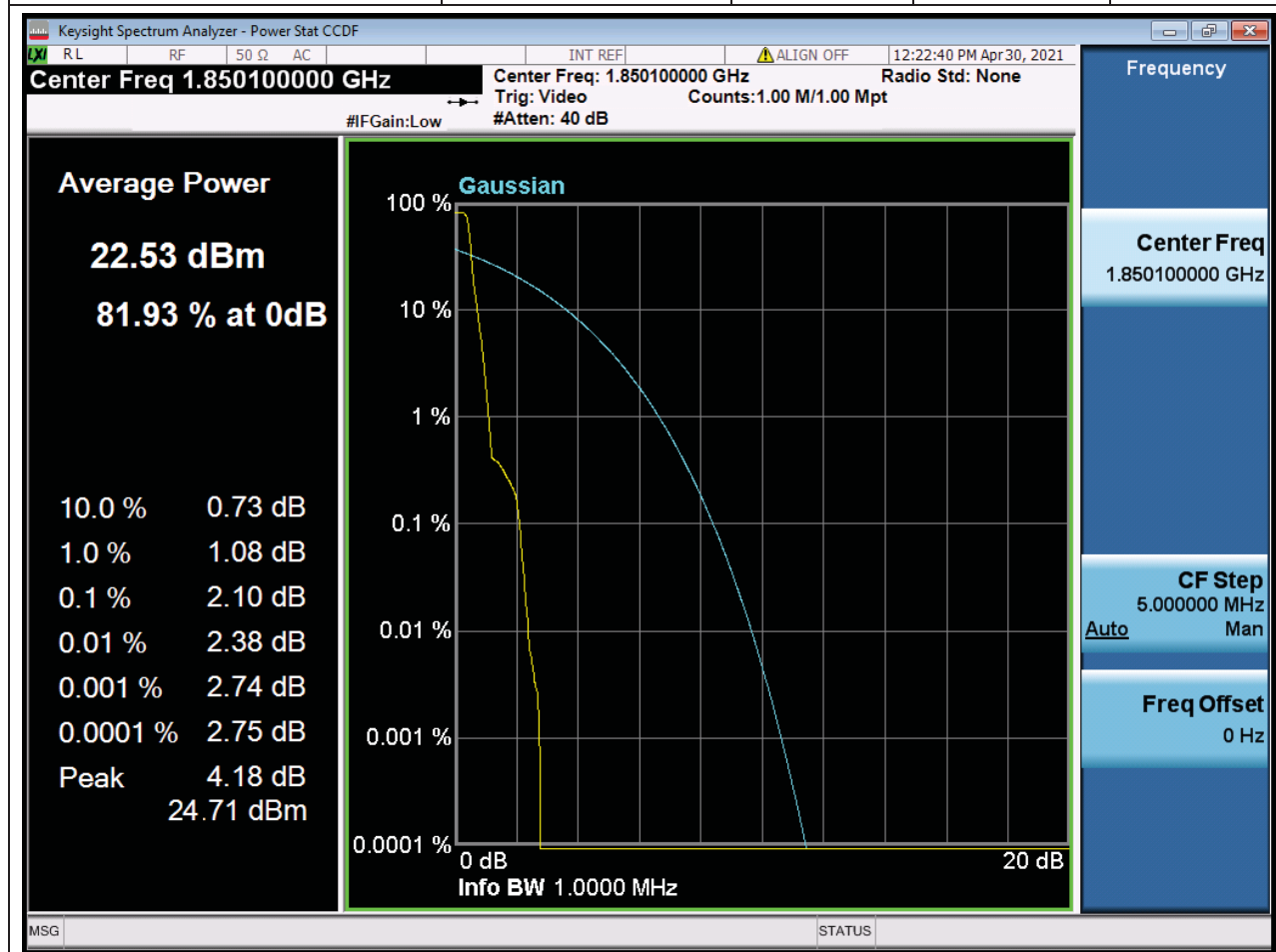
13. NB-IOT_Band2

13.1. NB-IOT 3.75K Low QPSK Peak to Average Ratio(NTNV)



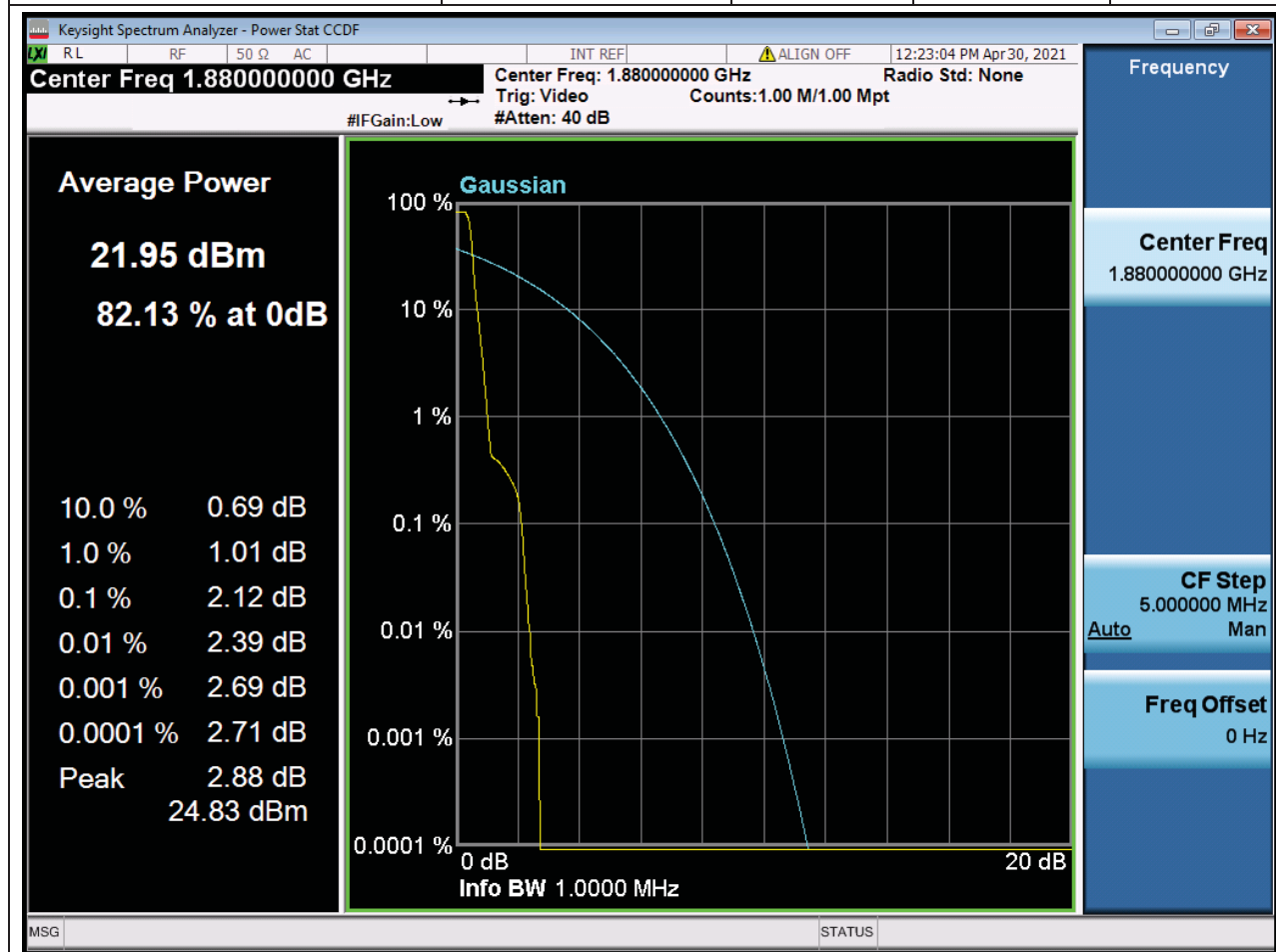
13.2. NB-IOT 3.75K Low BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1850.1	0.1	2.10	13	Pass



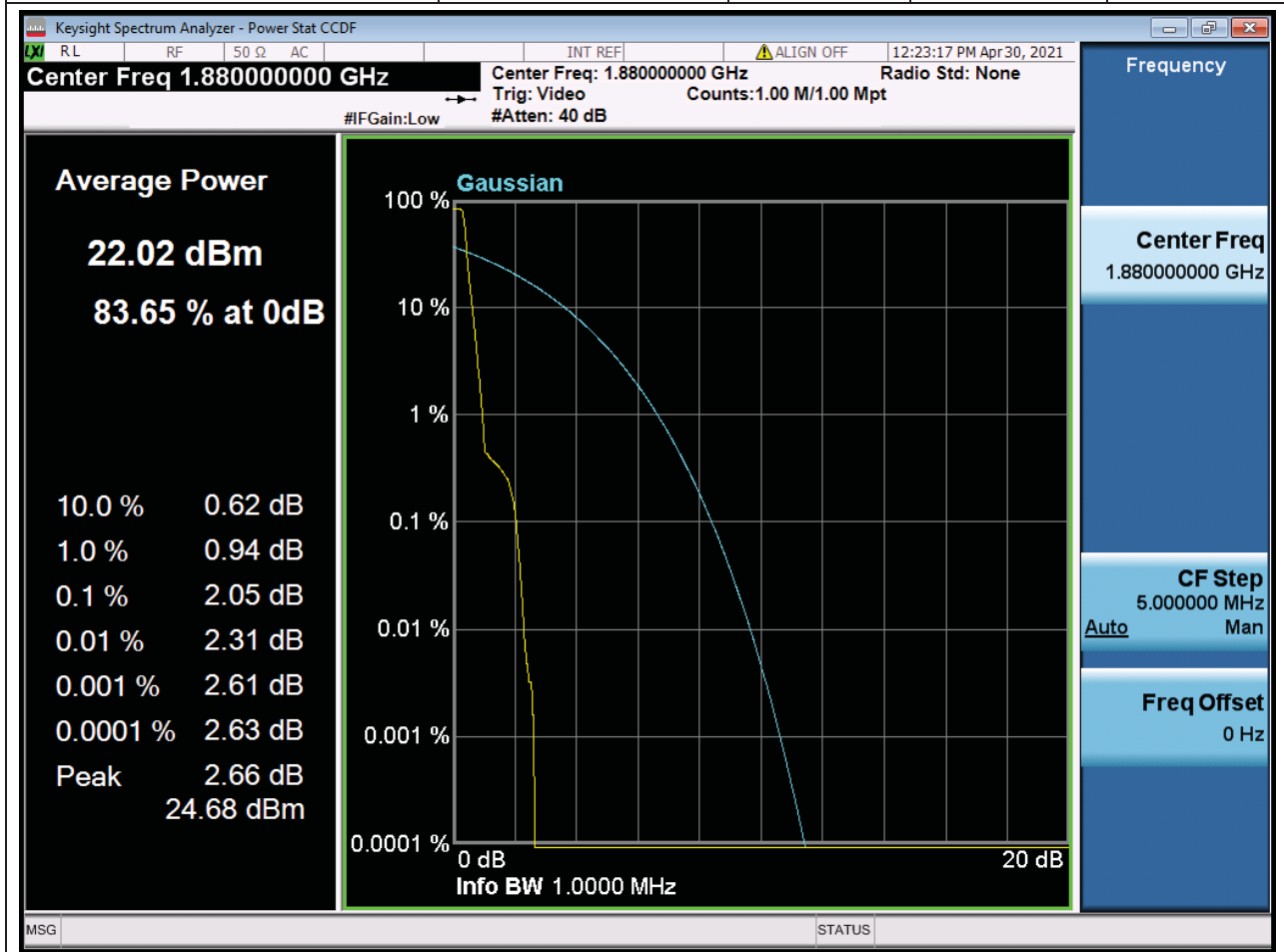
13.3. NB-IOT 3.75K Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1880	0.1	2.12	13	Pass



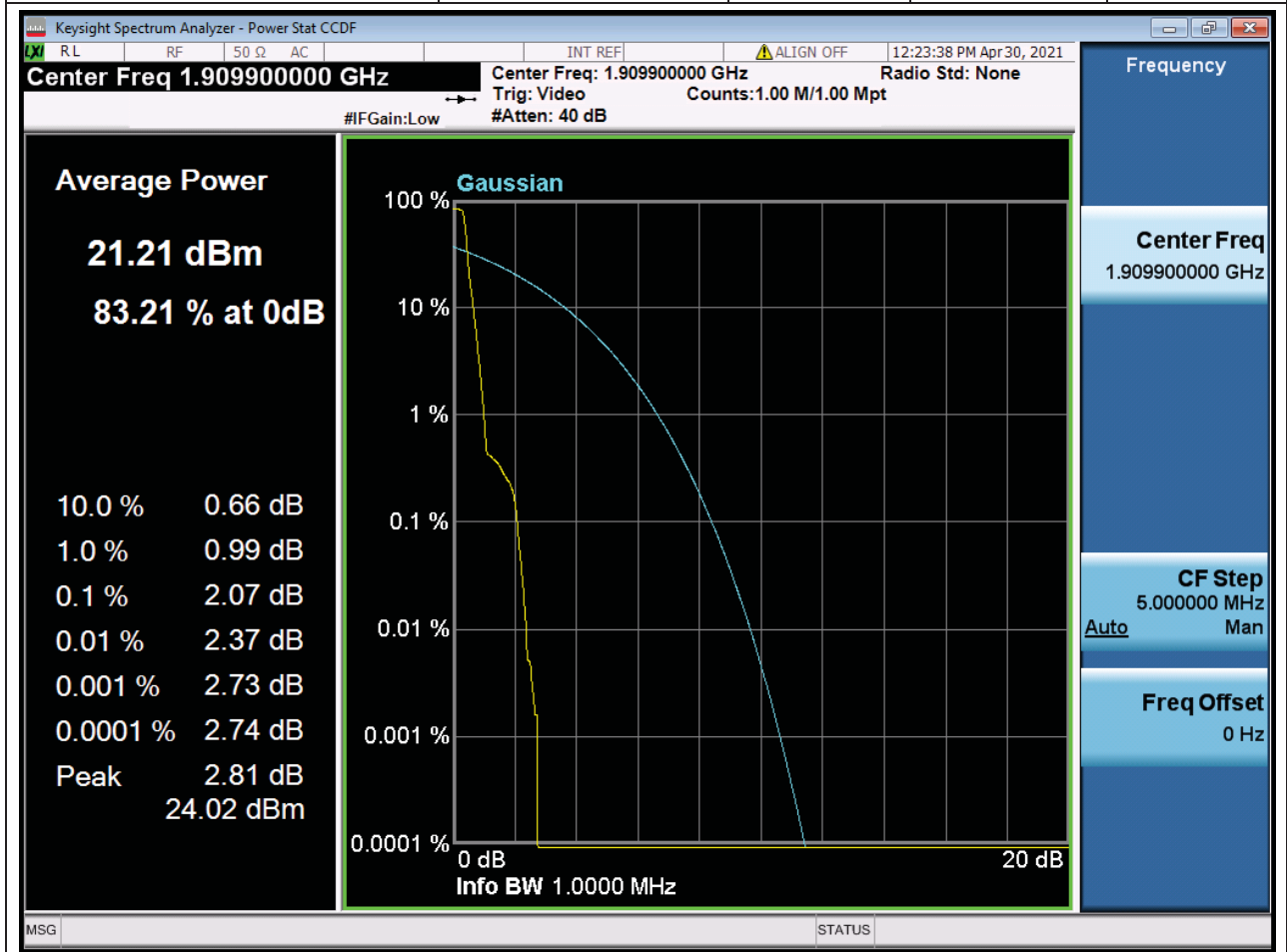
13.4. NB-IOT 3.75K Middle BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1880	0.1	2.05	13	Pass



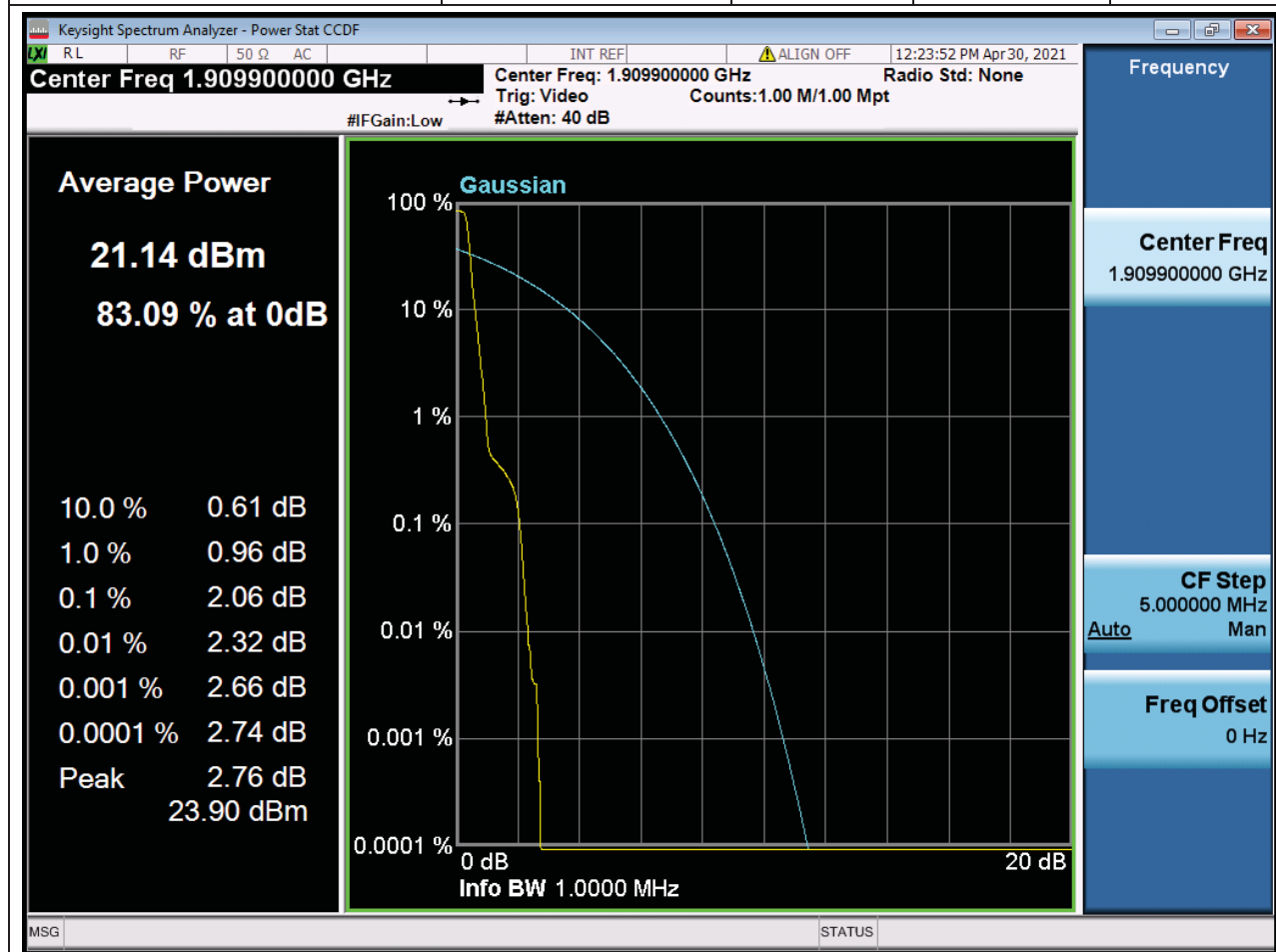
13.5. NB-IOT 3.75K High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1909.9	0.1	2.07	13	Pass



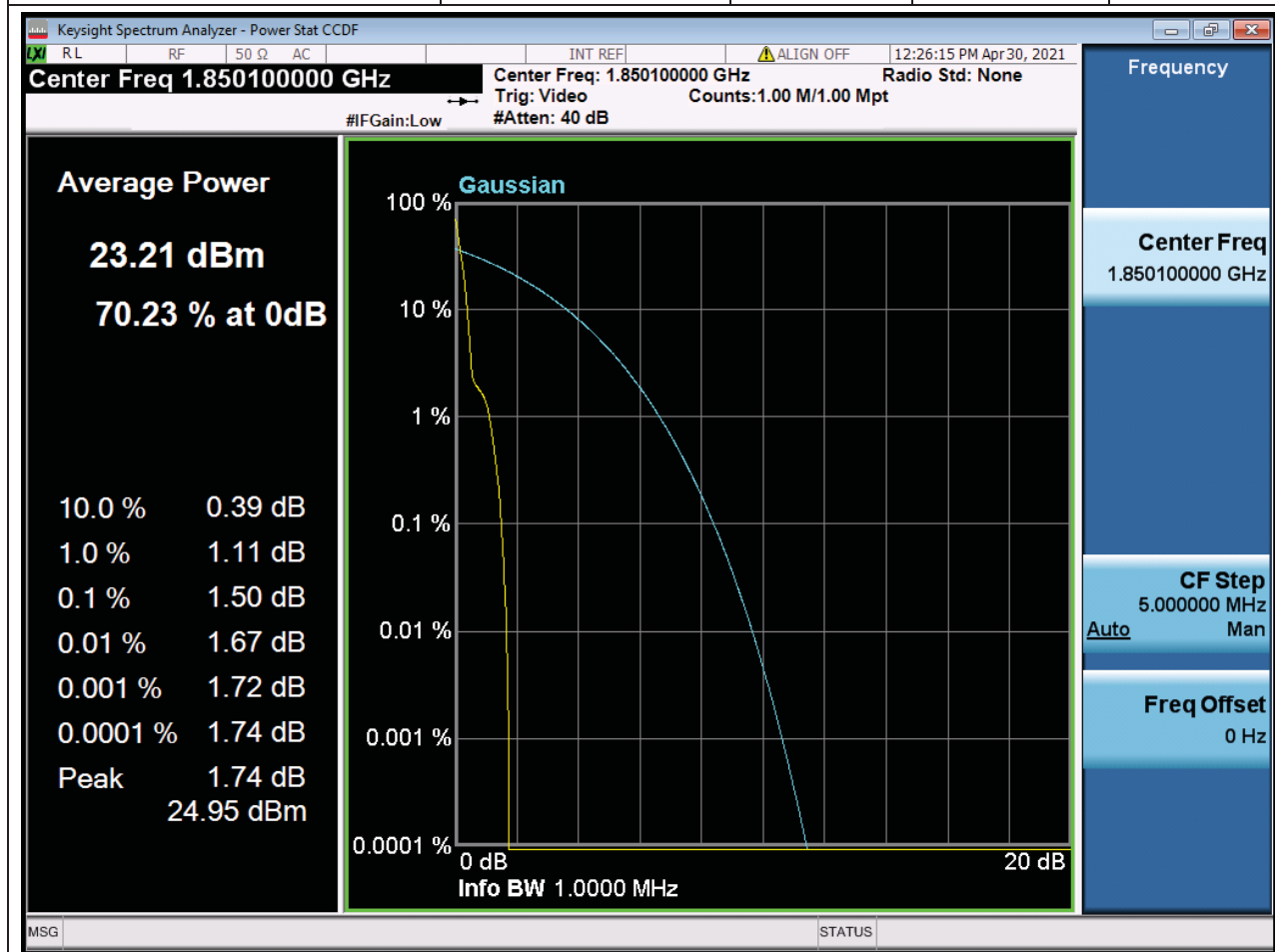
13.6. NB-IOT 3.75K High BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1909.9	0.1	2.06	13	Pass



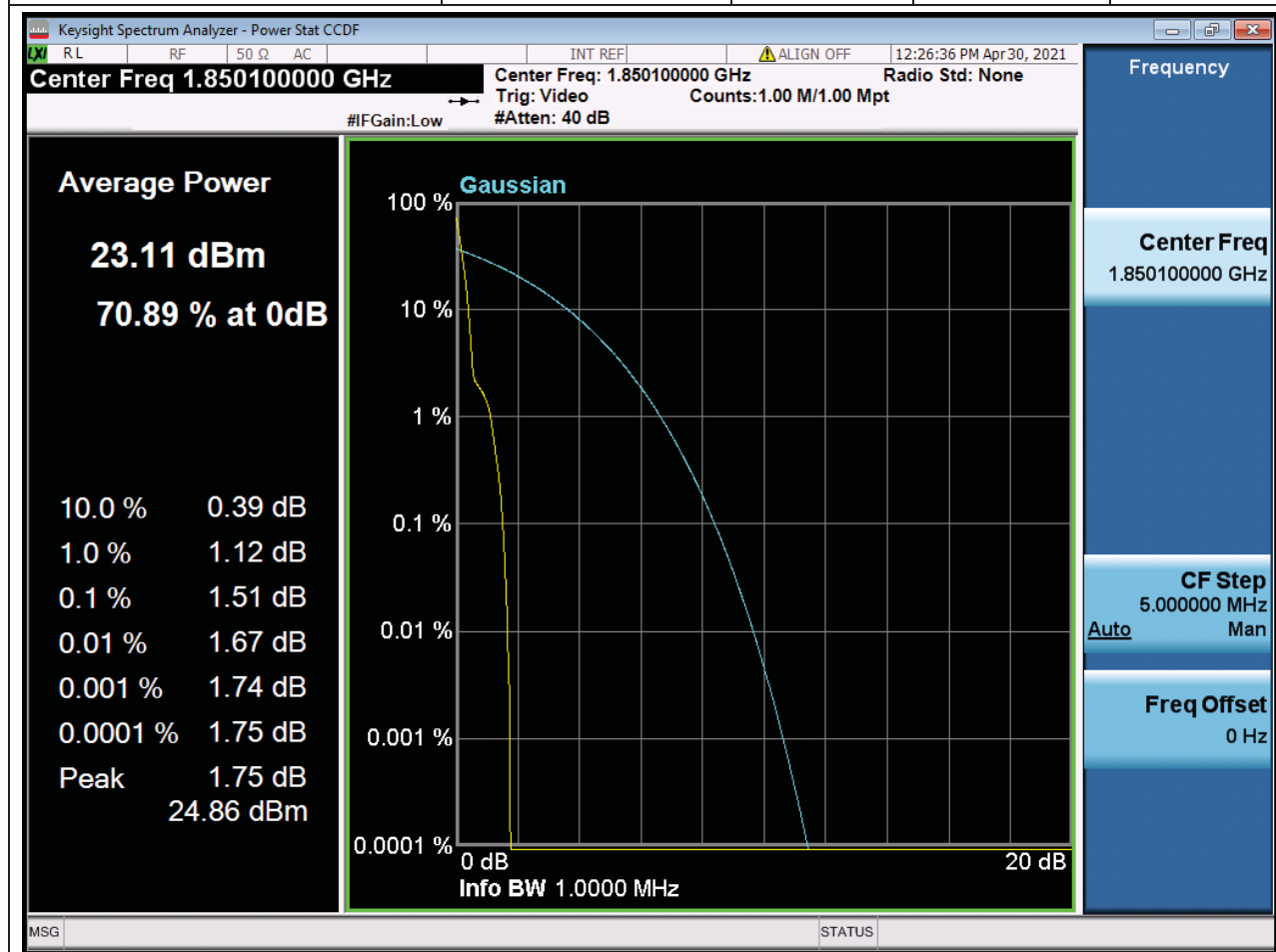
13.7. NB-IOT 15K Low QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1850.1	0.1	1.50	13	Pass



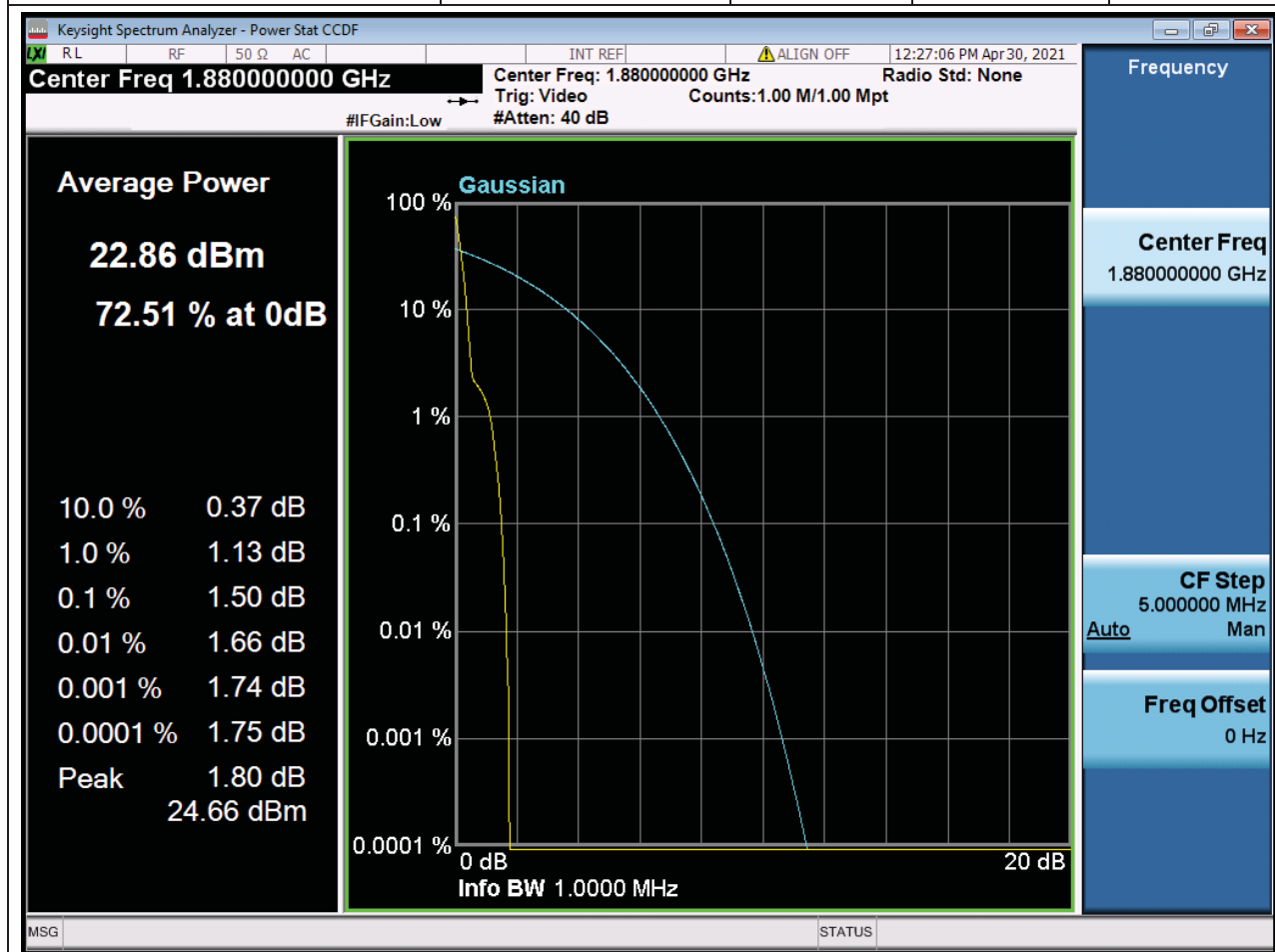
13.8. NB-IOT 15K Low BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1850.1	0.1	1.51	13	Pass



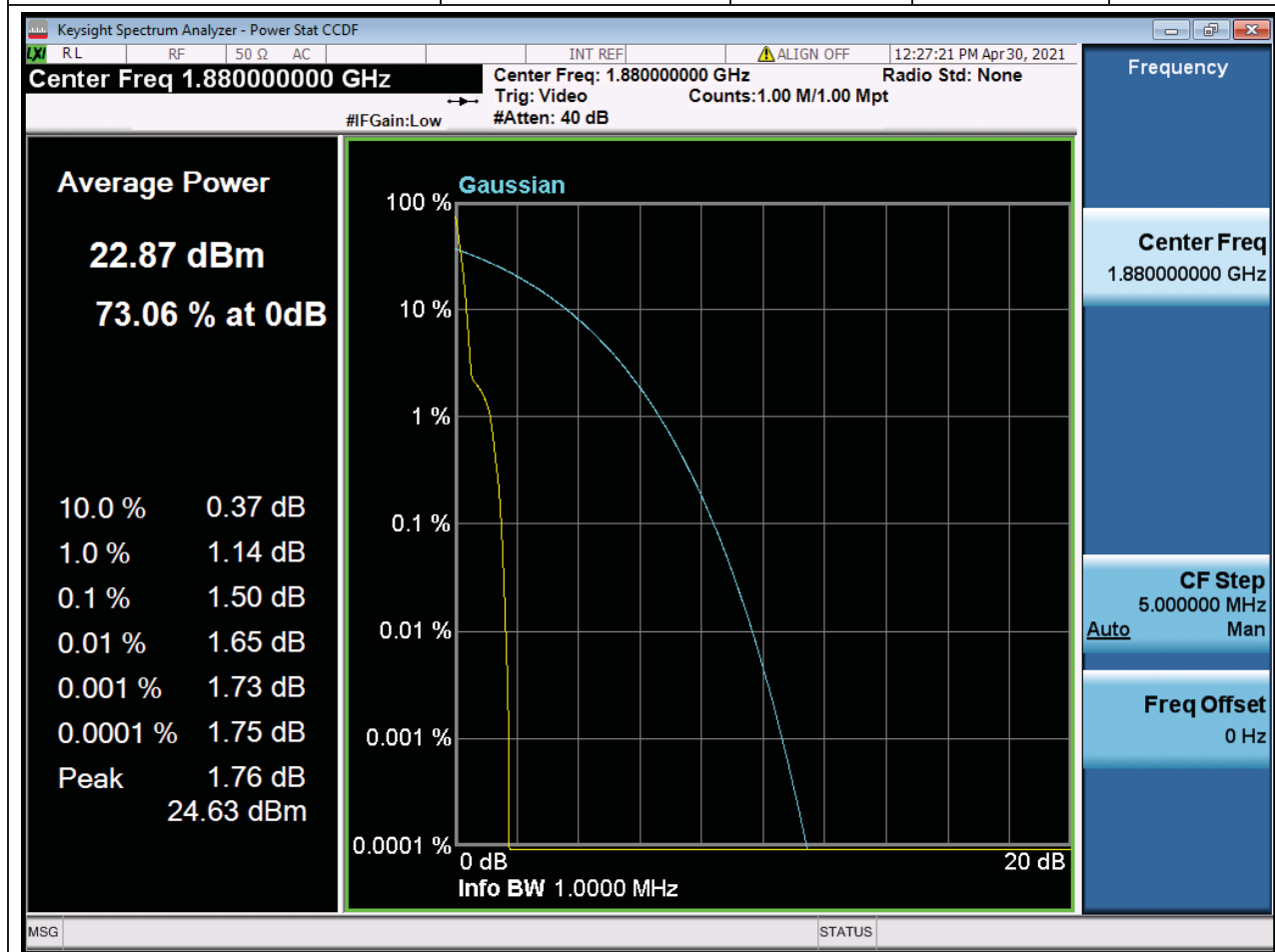
13.9. NB-IOT 15K Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1880	0.1	1.50	13	Pass



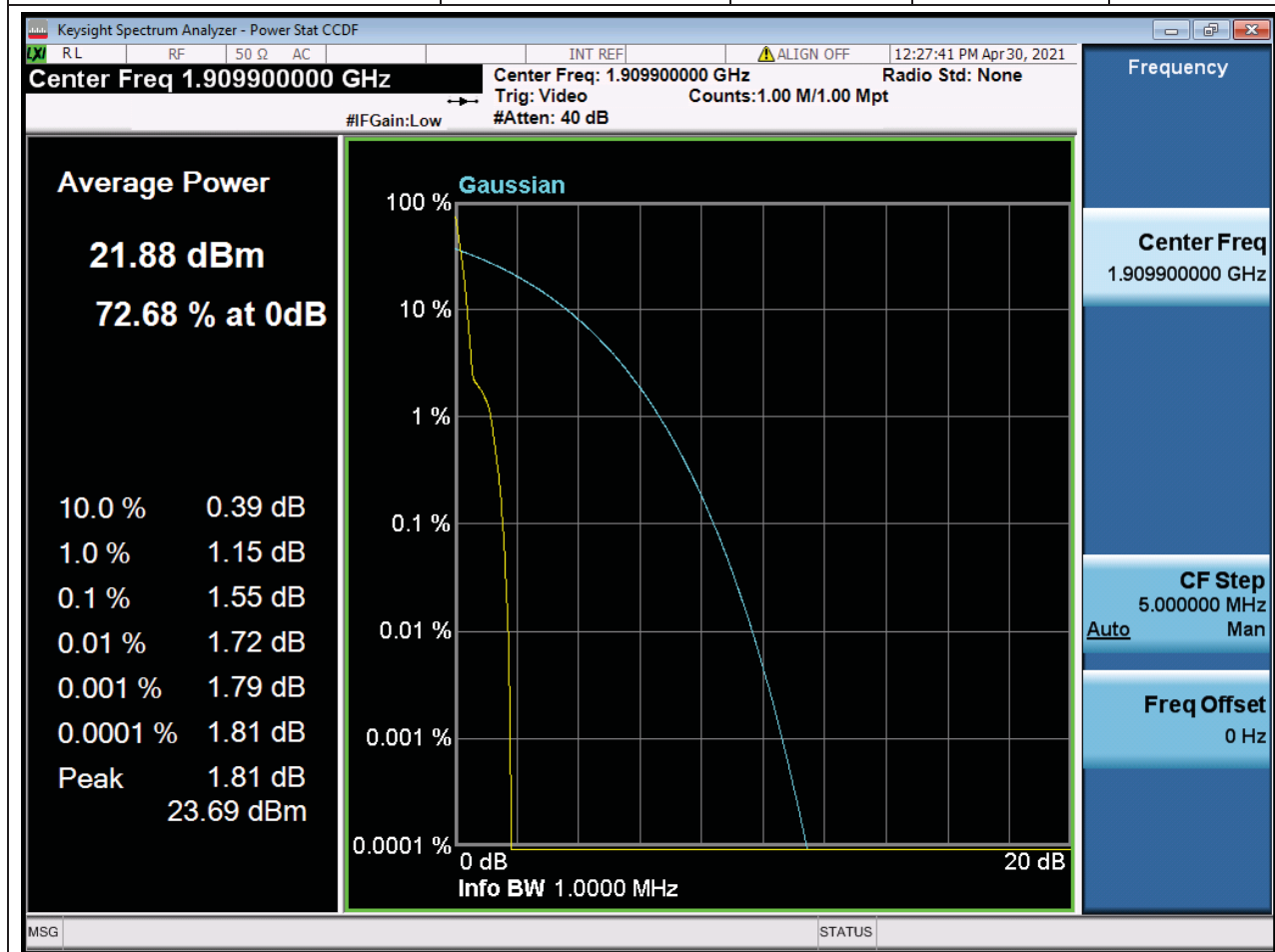
13.10. NB-IOT 15K Middle BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1880	0.1	1.50	13	Pass



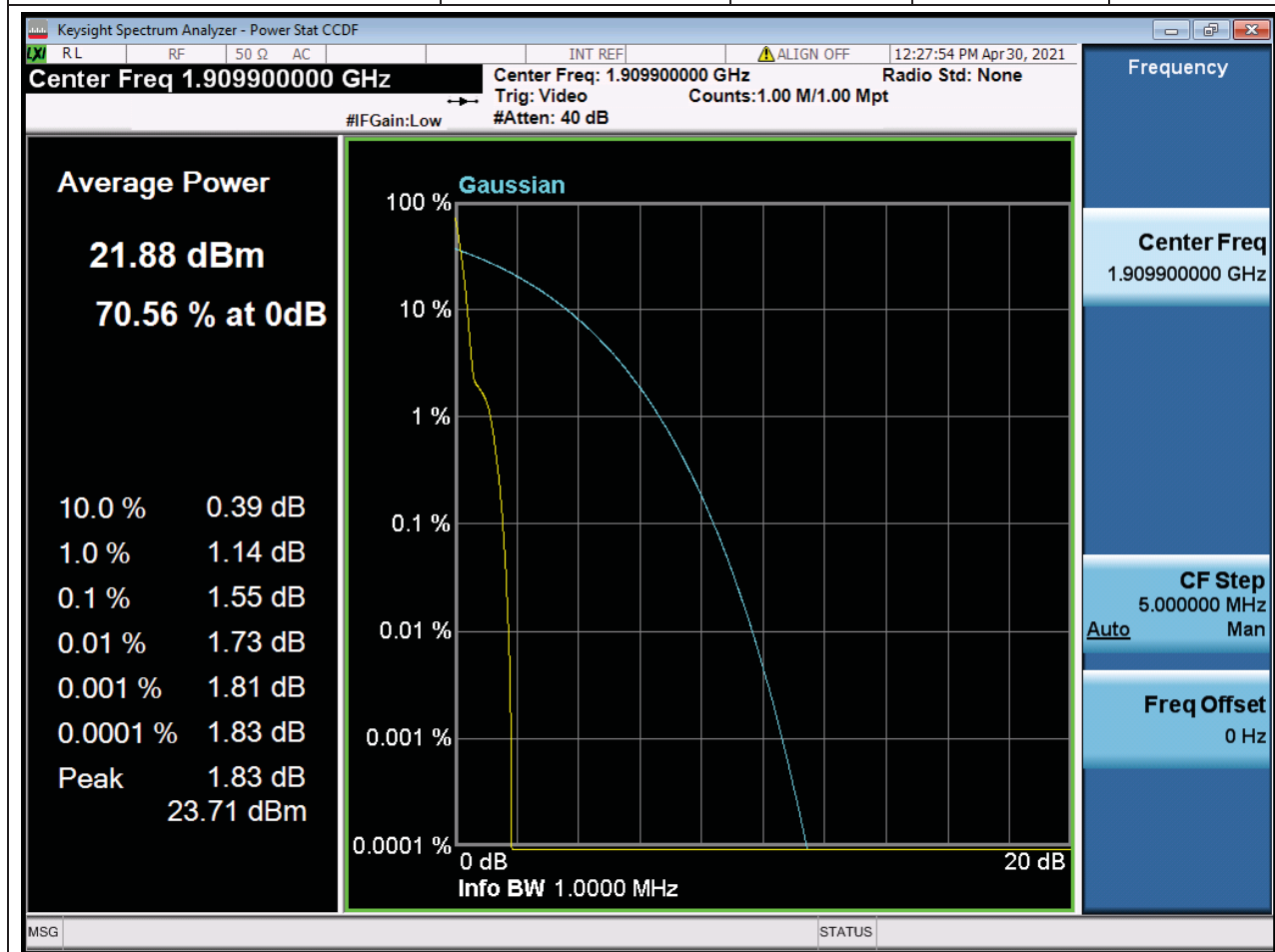
13.11. NB-IOT 15K High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1909.9	0.1	1.55	13	Pass



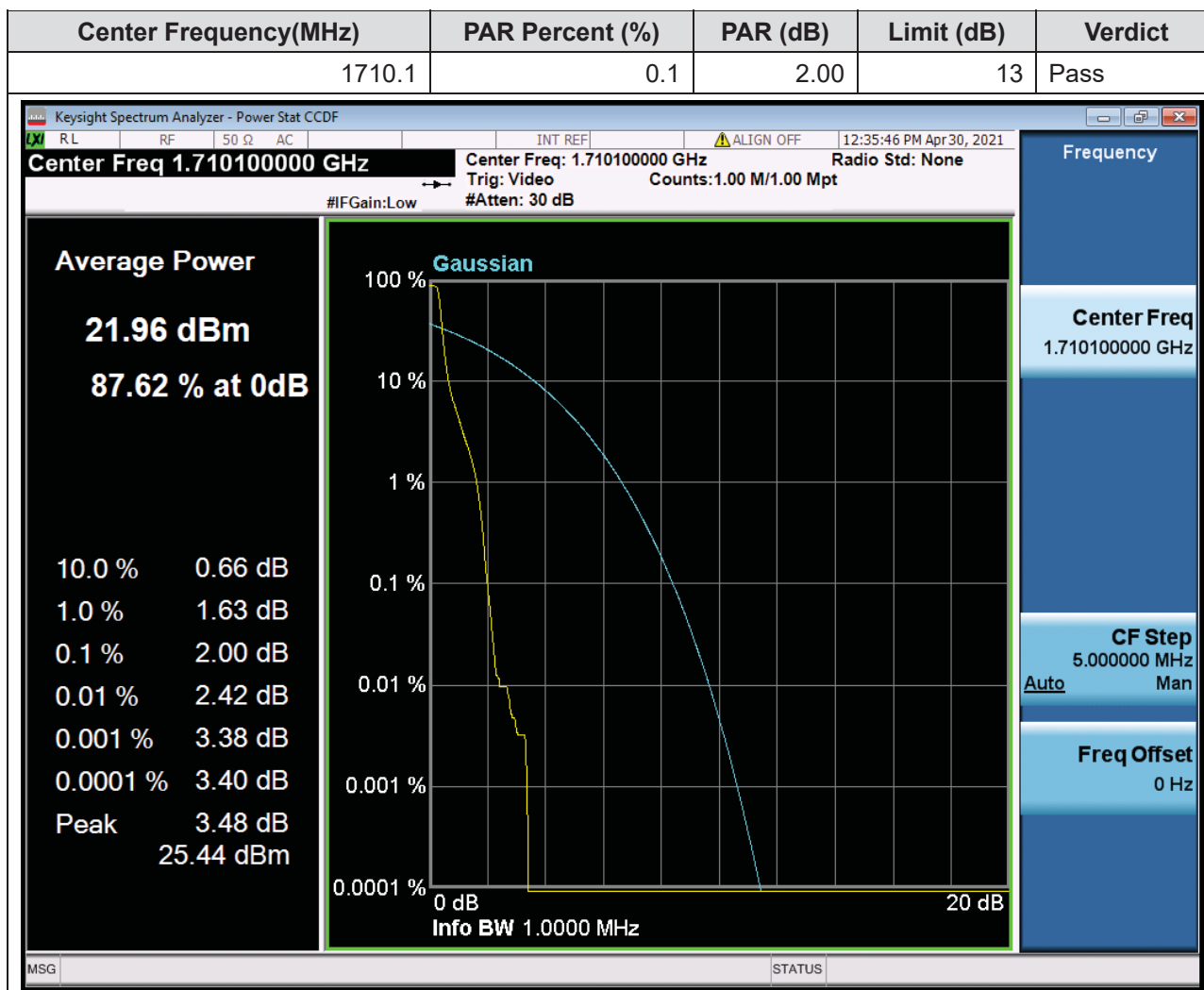
13.12. NB-IOT 15K High BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1909.9	0.1	1.55	13	Pass



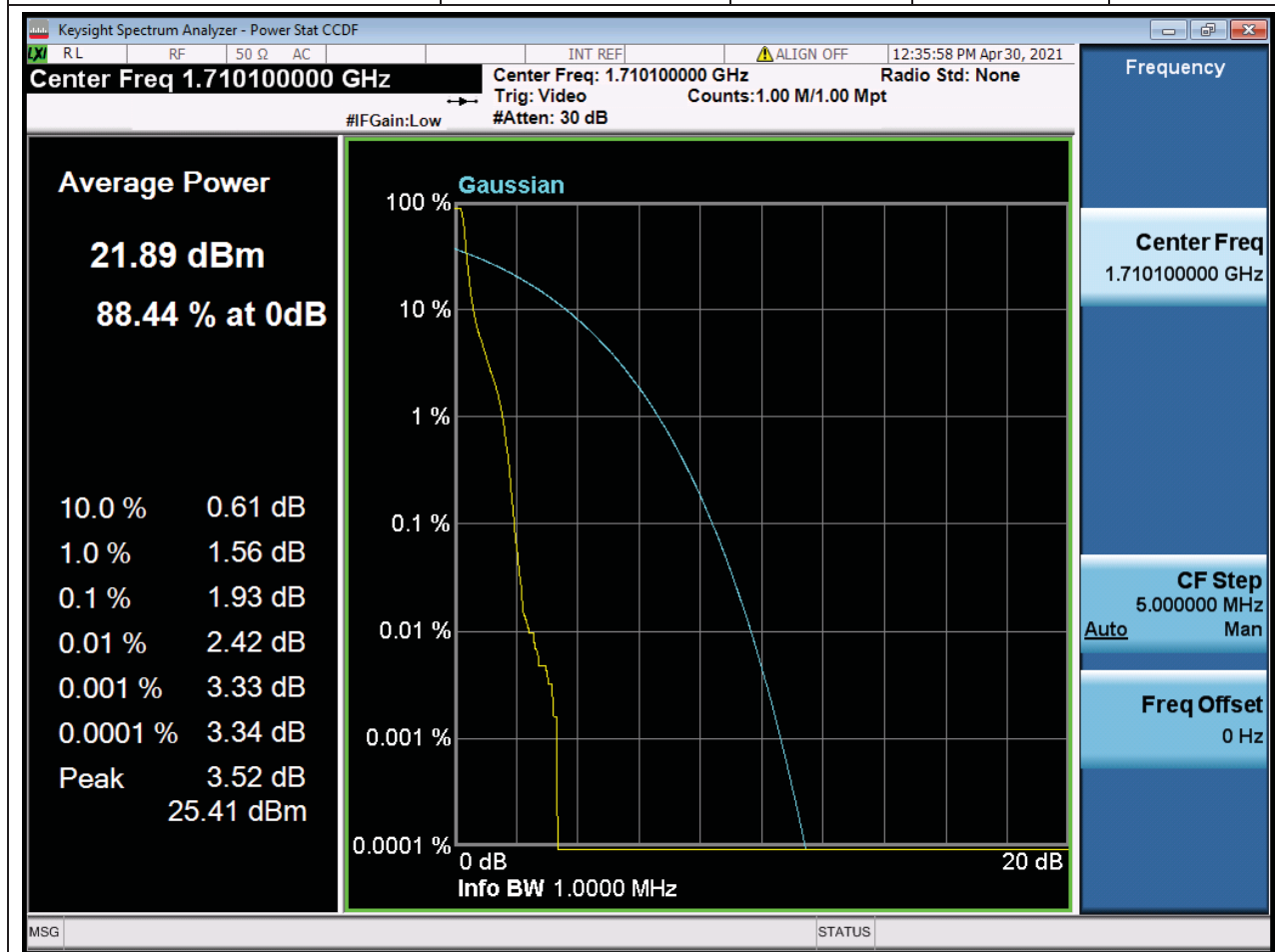
14. NB-IOT_Band4

14.1. NB-IOT 3.75K Low QPSK Peak to Average Ratio(NTNV)



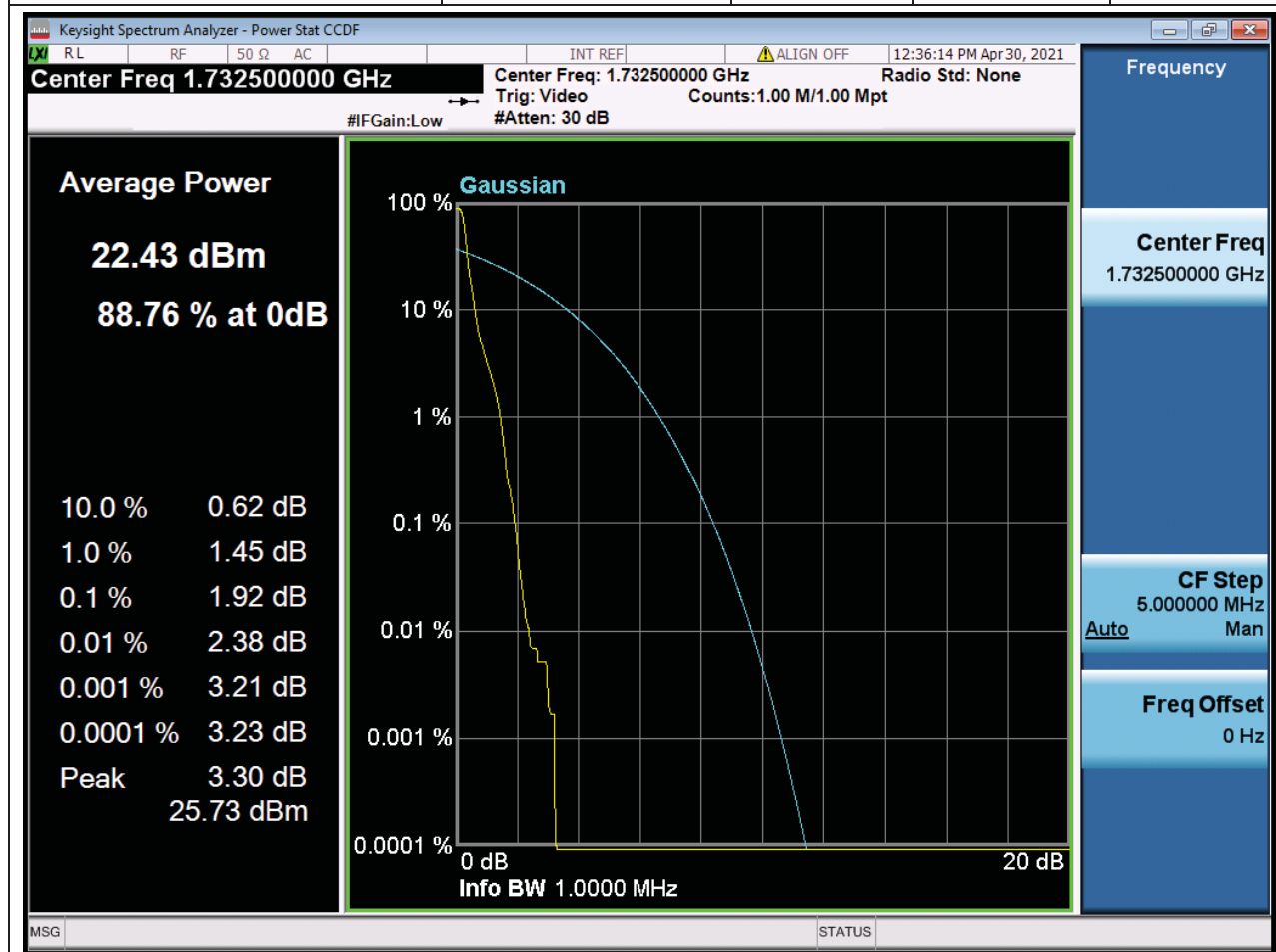
14.2. NB-IOT 3.75K Low BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1710.1	0.1	1.93	13	Pass



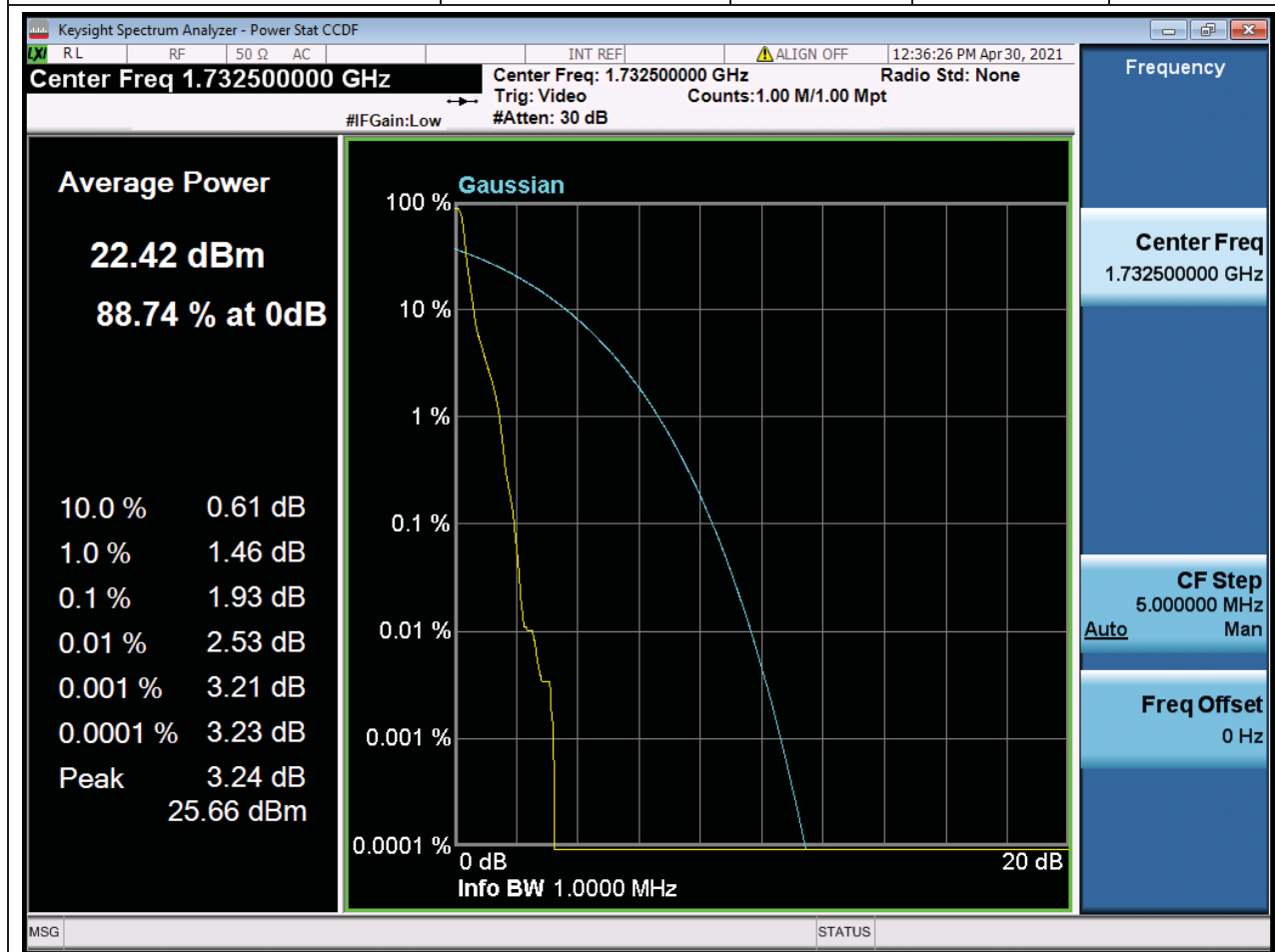
14.3. NB-IOT 3.75K Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1732.5	0.1	1.92	13	Pass



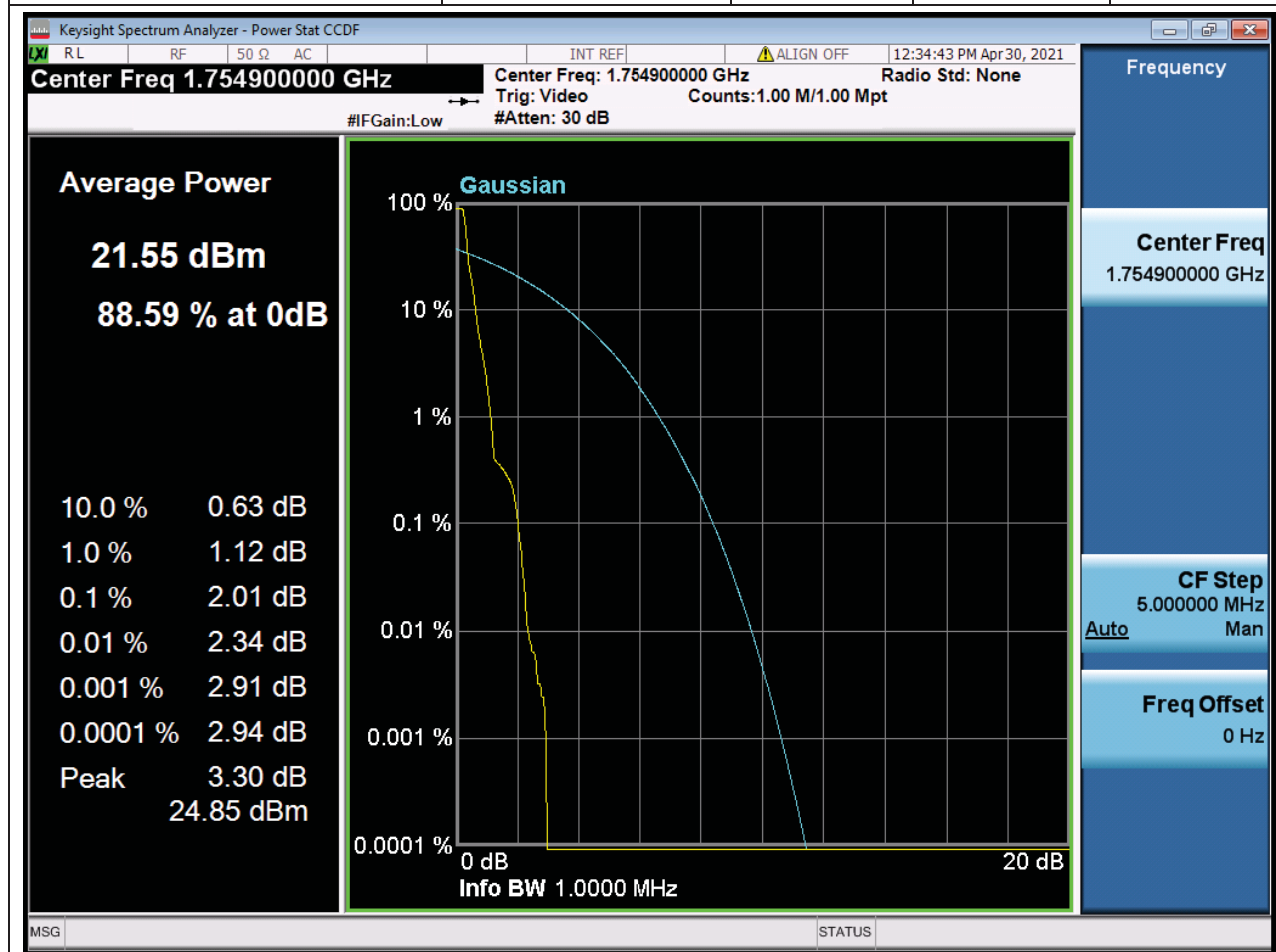
14.4. NB-IOT 3.75K Middle BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1732.5	0.1	1.93	13	Pass



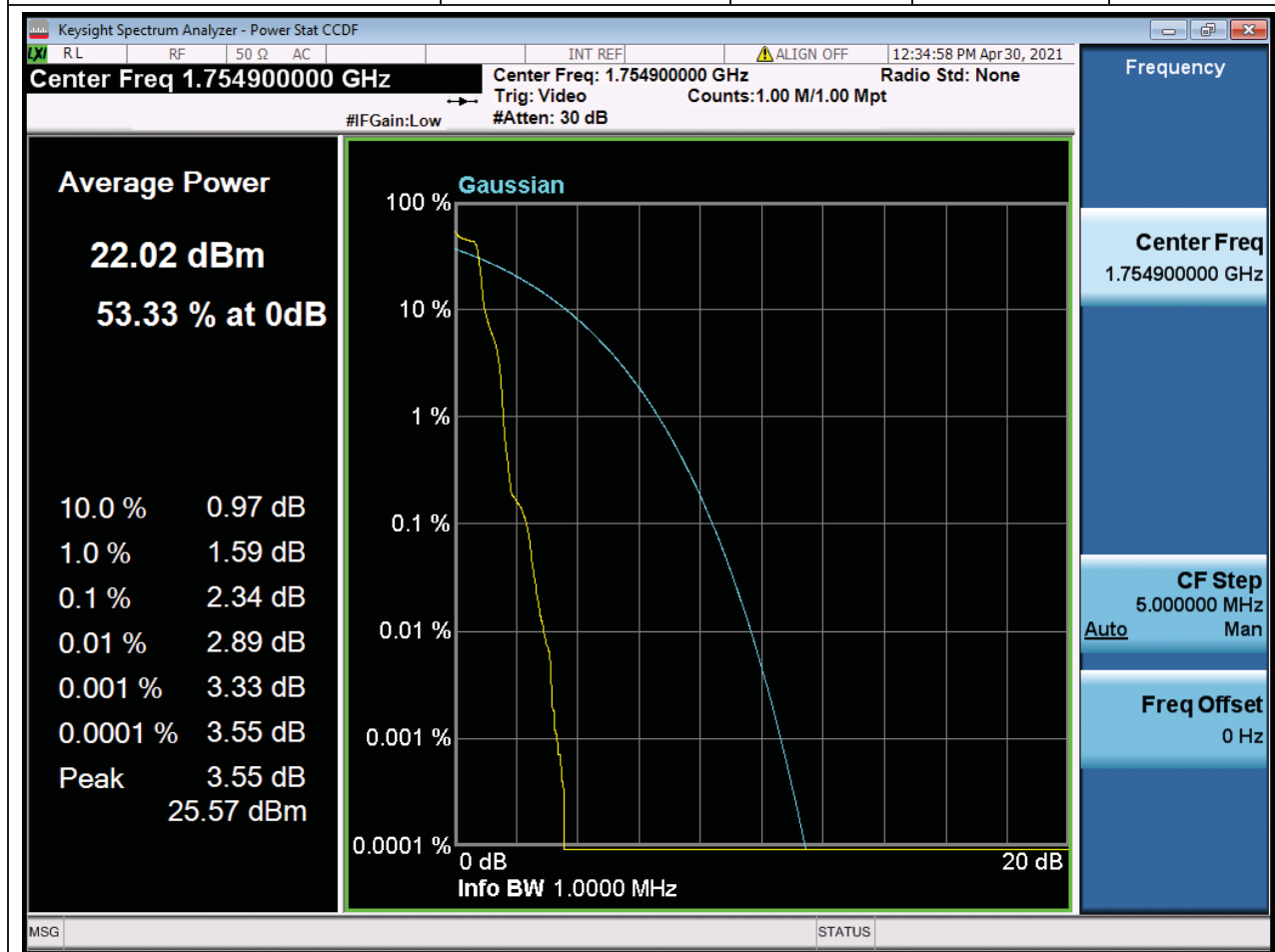
14.5. NB-IOT 3.75K High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1754.9	0.1	2.01	13	Pass



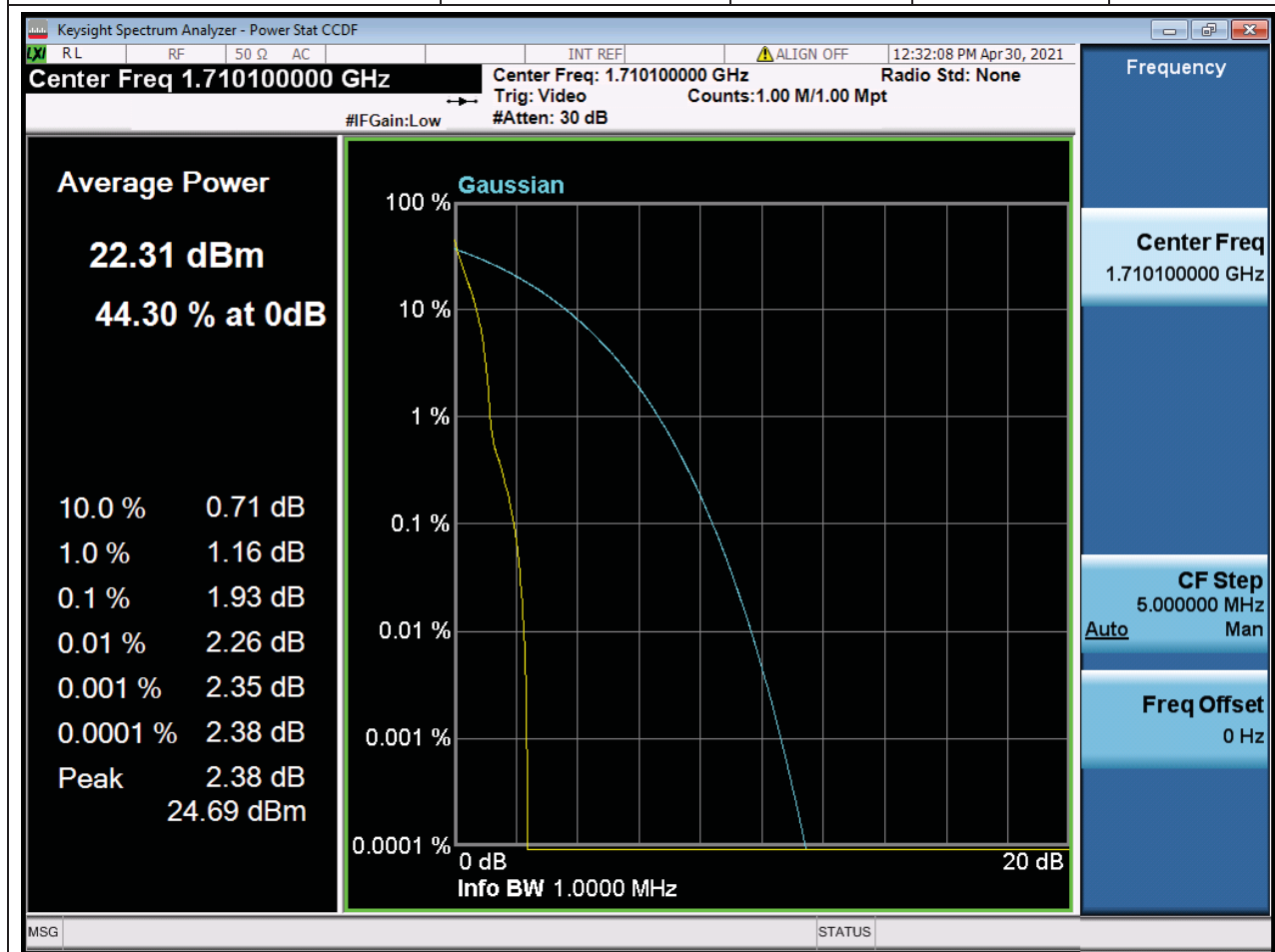
14.6. NB-IOT 3.75K High BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1754.9	0.1	2.34	13	Pass



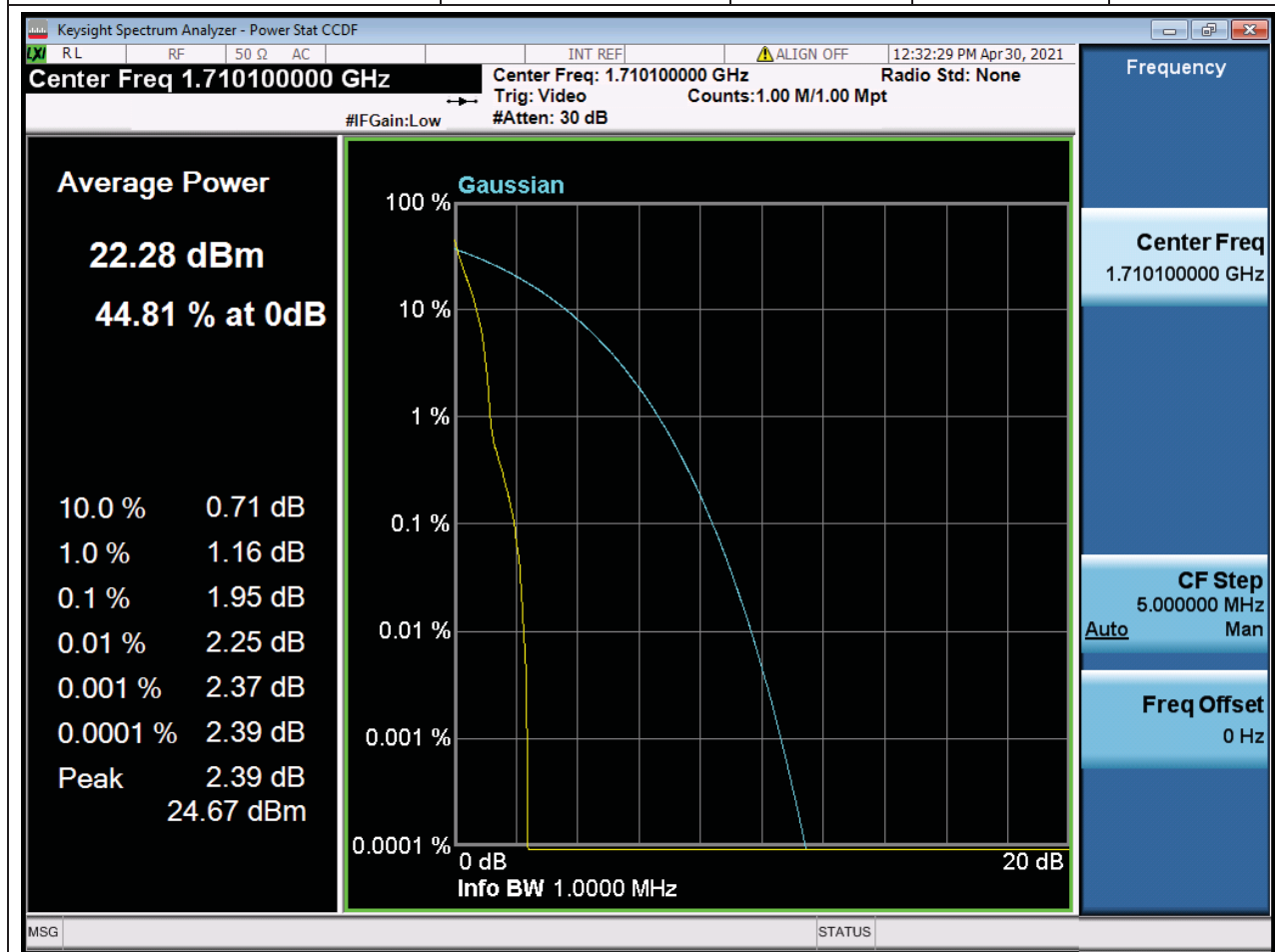
14.7. NB-IOT 15K Low QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1710.1	0.1	1.93	13	Pass



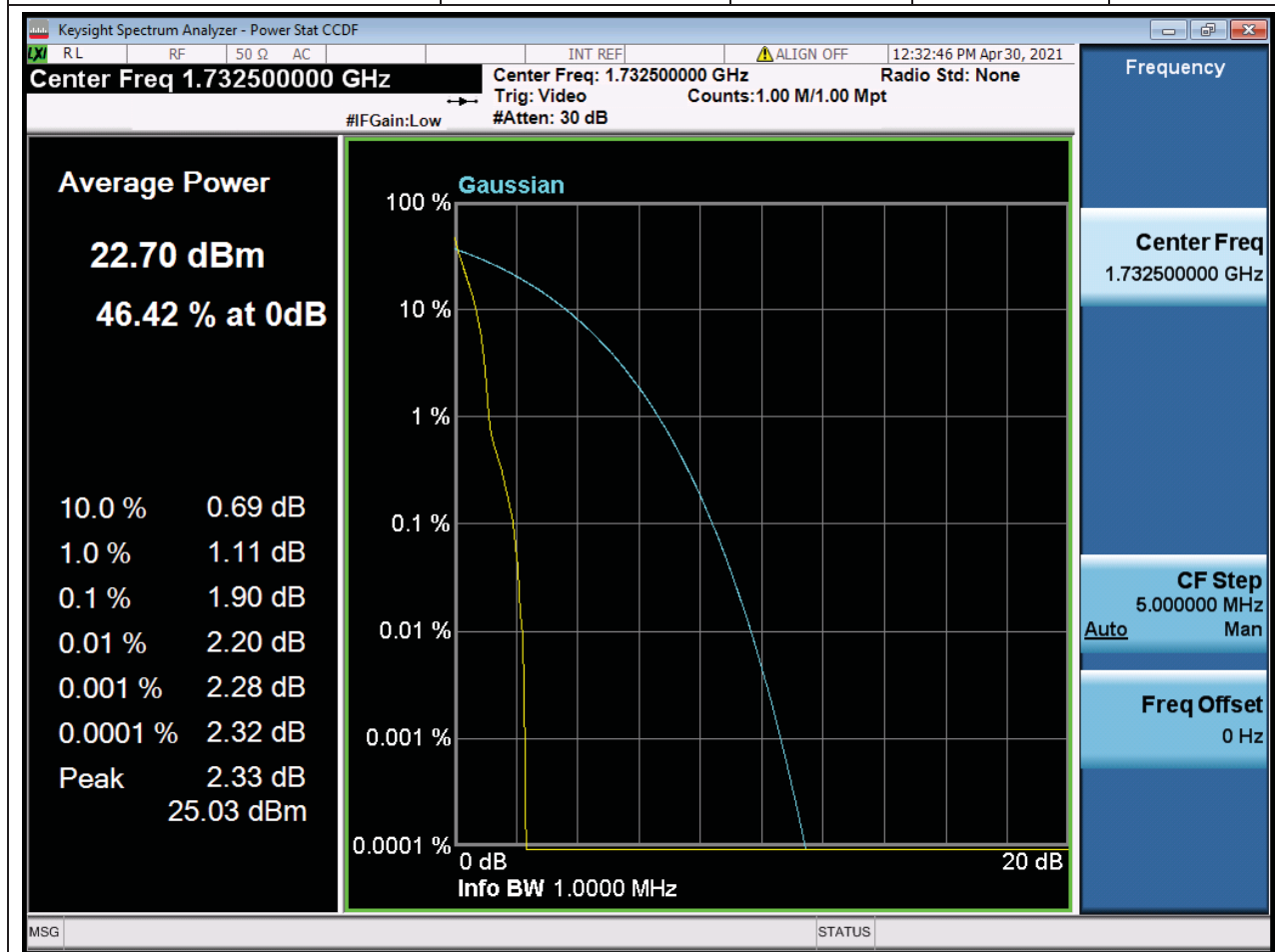
14.8. NB-IOT 15K Low BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1710.1	0.1	1.95	13	Pass



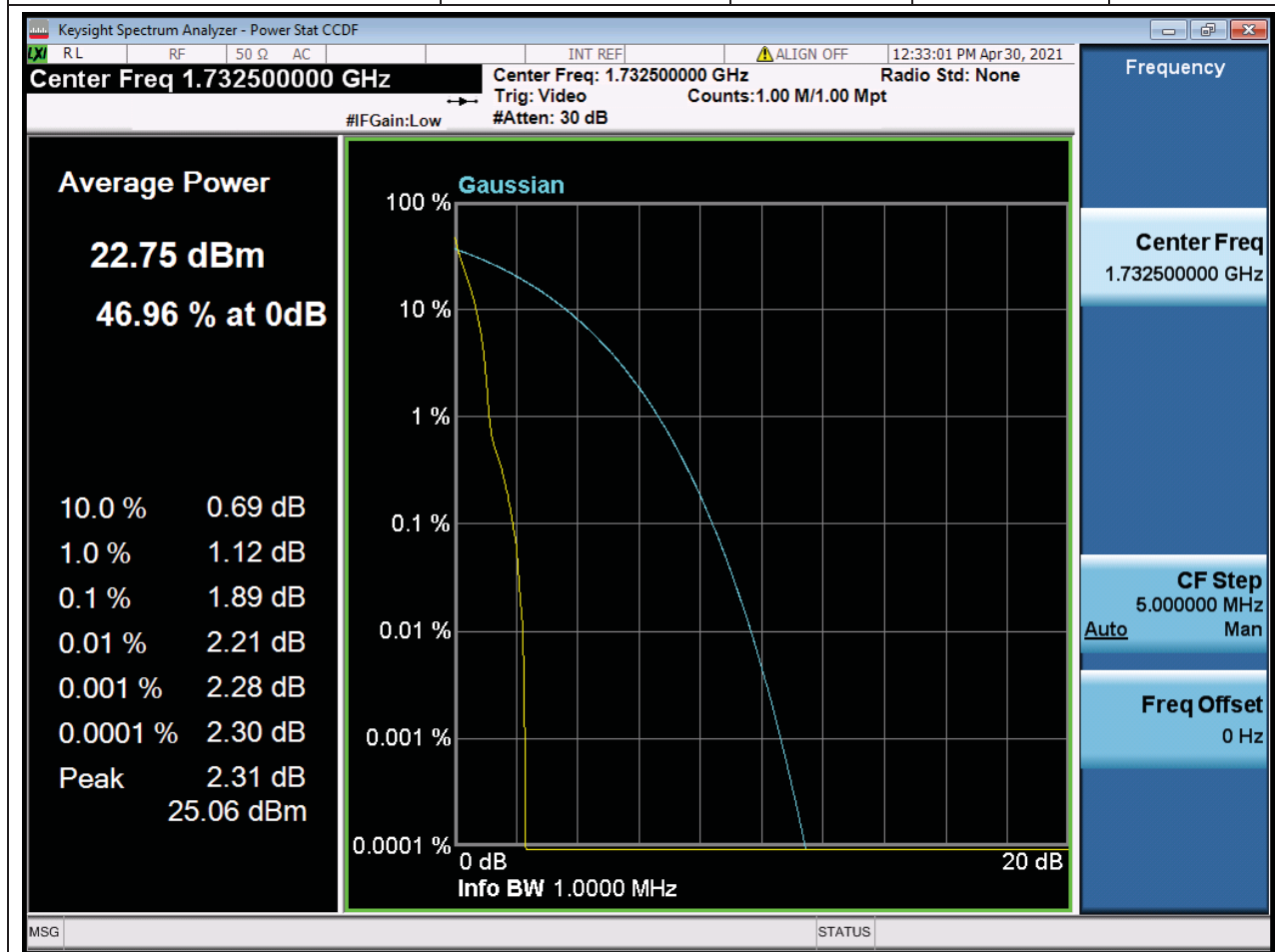
14.9. NB-IOT 15K Middle QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1732.5	0.1	1.90	13	Pass



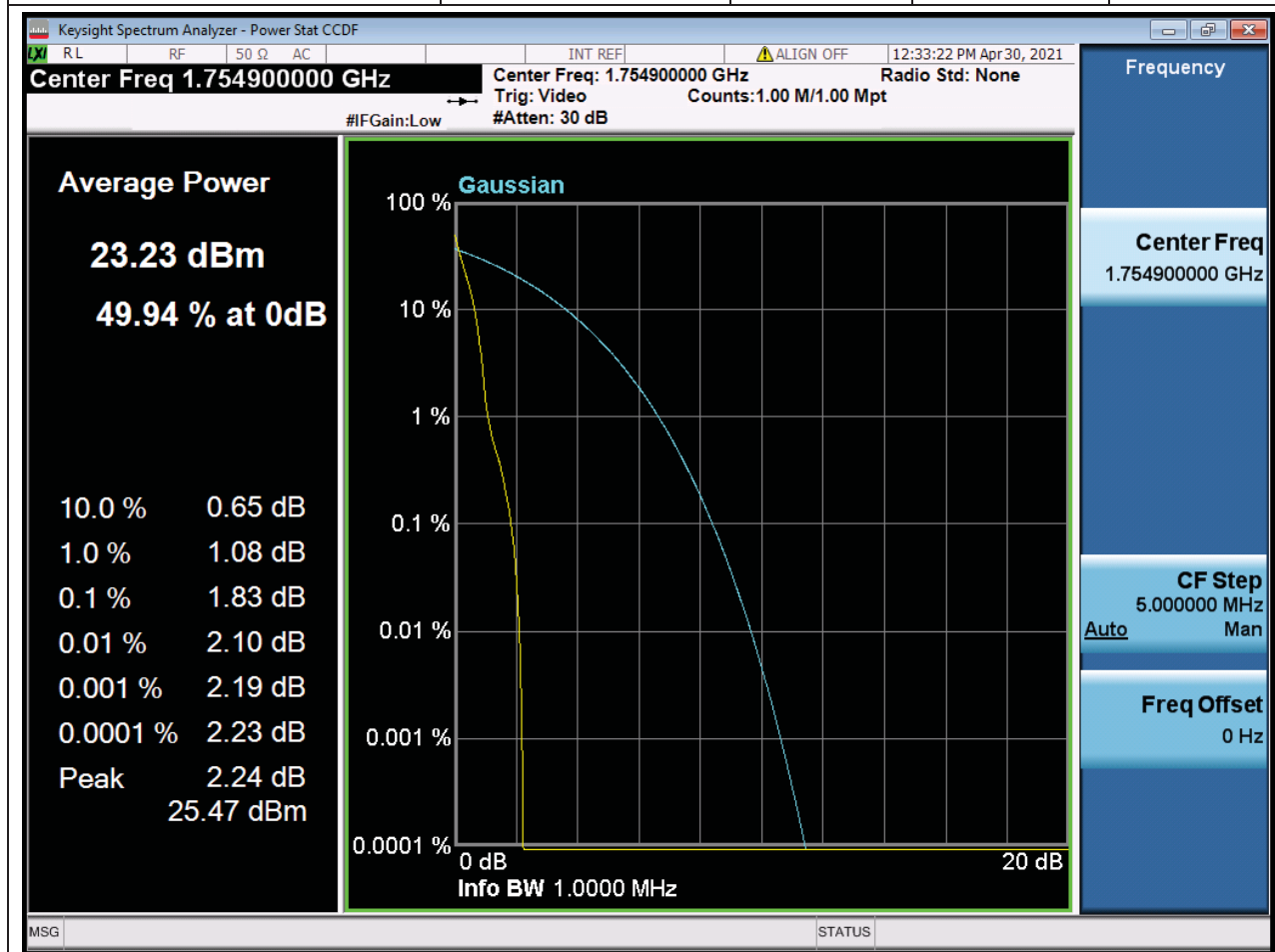
14.10. NB-IOT 15K Middle BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1732.5	0.1	1.89	13	Pass



14.11. NB-IOT 15K High QPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1754.9	0.1	1.83	13	Pass



14.12. NB-IOT 15K High BPSK Peak to Average Ratio(NTNV)

Center Frequency(MHz)	PAR Percent (%)	PAR (dB)	Limit (dB)	Verdict
1754.9	0.1	1.83	13	Pass

