



Appendix N: Test Data for E-UTRA Band 25

Product Name: Smart Phone

Test Model: HPPL63A

Environmental Conditions

| | |
|--------------------|------------|
| Temperature: | 23.8° C |
| Relative Humidity: | 52.1% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Paddi Chen |
| Supervised by: | Nick Peng |





N.1 Conducted Output Power Data

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band25 | 1.4MHz | QPSK | 26047 | 1RB#0 | 23.28 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 1RB#0 | 23.52 | PASS |
| Band25 | 1.4MHz | QPSK | 26047 | 1RB#2 | 23.79 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 1RB#2 | 23.24 | PASS |
| Band25 | 1.4MHz | QPSK | 26047 | 1RB#5 | 23.09 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 1RB#5 | 23.99 | PASS |
| Band25 | 1.4MHz | QPSK | 26047 | 3RB#0 | 23.54 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 3RB#0 | 23.15 | PASS |
| Band25 | 1.4MHz | QPSK | 26047 | 3RB#1 | 23.24 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 3RB#1 | 22.97 | PASS |
| Band25 | 1.4MHz | QPSK | 26047 | 3RB#3 | 23.82 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 3RB#3 | 22.62 | PASS |
| Band25 | 1.4MHz | QPSK | 26047 | 6RB#0 | 22.80 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 6RB#0 | 22.40 | PASS |
| Band25 | 1.4MHz | QPSK | 26365 | 1RB#0 | 23.88 | PASS |
| Band25 | 1.4MHz | 16QAM | 26365 | 1RB#0 | 23.80 | PASS |
| Band25 | 1.4MHz | QPSK | 26365 | 1RB#2 | 23.97 | PASS |
| Band25 | 1.4MHz | 16QAM | 26365 | 1RB#2 | 23.31 | PASS |
| Band25 | 1.4MHz | QPSK | 26365 | 1RB#5 | 23.15 | PASS |
| Band25 | 1.4MHz | 16QAM | 26365 | 1RB#5 | 24.40 | PASS |
| Band25 | 1.4MHz | QPSK | 26365 | 3RB#0 | 23.31 | PASS |
| Band25 | 1.4MHz | 16QAM | 26365 | 3RB#0 | 23.05 | PASS |
| Band25 | 1.4MHz | QPSK | 26365 | 3RB#1 | 23.68 | PASS |
| Band25 | 1.4MHz | 16QAM | 26365 | 3RB#1 | 23.07 | PASS |
| Band25 | 1.4MHz | QPSK | 26365 | 3RB#3 | 23.31 | PASS |
| Band25 | 1.4MHz | 16QAM | 26365 | 3RB#3 | 22.51 | PASS |
| Band25 | 1.4MHz | QPSK | 26365 | 6RB#0 | 22.75 | PASS |
| Band25 | 1.4MHz | 16QAM | 26365 | 6RB#0 | 22.49 | PASS |
| Band25 | 1.4MHz | QPSK | 26683 | 1RB#0 | 23.65 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 1RB#0 | 23.18 | PASS |
| Band25 | 1.4MHz | QPSK | 26683 | 1RB#2 | 23.39 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 1RB#2 | 22.52 | PASS |
| Band25 | 1.4MHz | QPSK | 26683 | 1RB#5 | 23.84 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 1RB#5 | 23.17 | PASS |
| Band25 | 1.4MHz | QPSK | 26683 | 3RB#0 | 23.87 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 3RB#0 | 22.67 | PASS |



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 Scan code to check authenticity



| | | | | | | |
|--------|--------|-------|-------|--------|-------|------|
| Band25 | 1.4MHz | QPSK | 26683 | 3RB#1 | 23.96 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 3RB#1 | 23.19 | PASS |
| Band25 | 1.4MHz | QPSK | 26683 | 3RB#3 | 22.99 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 3RB#3 | 22.72 | PASS |
| Band25 | 1.4MHz | QPSK | 26683 | 6RB#0 | 23.09 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 6RB#0 | 22.07 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 1RB#0 | 23.69 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 1RB#0 | 22.92 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 1RB#8 | 23.50 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 1RB#8 | 22.88 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 1RB#14 | 23.72 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 1RB#14 | 22.52 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 8RB#0 | 22.39 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 8RB#0 | 22.37 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 8RB#4 | 22.73 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 8RB#4 | 22.41 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 8RB#7 | 22.56 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 8RB#7 | 22.31 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 15RB#0 | 22.28 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 15RB#0 | 21.53 | PASS |
| Band25 | 3MHz | QPSK | 26365 | 1RB#0 | 23.16 | PASS |
| Band25 | 3MHz | 16QAM | 26365 | 1RB#0 | 22.53 | PASS |
| Band25 | 3MHz | QPSK | 26365 | 1RB#8 | 23.08 | PASS |
| Band25 | 3MHz | 16QAM | 26365 | 1RB#8 | 22.47 | PASS |
| Band25 | 3MHz | QPSK | 26365 | 1RB#14 | 23.68 | PASS |
| Band25 | 3MHz | 16QAM | 26365 | 1RB#14 | 22.54 | PASS |
| Band25 | 3MHz | QPSK | 26365 | 8RB#0 | 22.24 | PASS |
| Band25 | 3MHz | 16QAM | 26365 | 8RB#0 | 22.37 | PASS |
| Band25 | 3MHz | QPSK | 26365 | 8RB#4 | 22.76 | PASS |
| Band25 | 3MHz | 16QAM | 26365 | 8RB#4 | 22.08 | PASS |
| Band25 | 3MHz | QPSK | 26365 | 8RB#7 | 22.00 | PASS |
| Band25 | 3MHz | 16QAM | 26365 | 8RB#7 | 22.27 | PASS |
| Band25 | 3MHz | QPSK | 26365 | 15RB#0 | 22.59 | PASS |
| Band25 | 3MHz | 16QAM | 26365 | 15RB#0 | 21.44 | PASS |
| Band25 | 3MHz | QPSK | 26675 | 1RB#0 | 23.67 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 1RB#0 | 22.40 | PASS |
| Band25 | 3MHz | QPSK | 26675 | 1RB#8 | 22.91 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 1RB#8 | 23.07 | PASS |
| Band25 | 3MHz | QPSK | 26675 | 1RB#14 | 23.33 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 1RB#14 | 23.59 | PASS |





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|--------|------|-------|-------|---------|-------|------|
| Band25 | 3MHz | QPSK | 26675 | 8RB#0 | 22.58 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 8RB#0 | 21.66 | PASS |
| Band25 | 3MHz | QPSK | 26675 | 8RB#4 | 22.11 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 8RB#4 | 22.20 | PASS |
| Band25 | 3MHz | QPSK | 26675 | 8RB#7 | 22.57 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 8RB#7 | 22.00 | PASS |
| Band25 | 3MHz | QPSK | 26675 | 15RB#0 | 22.81 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 15RB#0 | 22.21 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 1RB#0 | 22.80 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 1RB#0 | 21.71 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 1RB#12 | 23.27 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 1RB#12 | 22.50 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 1RB#24 | 23.74 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 1RB#24 | 21.85 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 12RB#0 | 22.43 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 12RB#0 | 22.10 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 12RB#6 | 22.10 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 12RB#6 | 21.50 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 12RB#13 | 22.03 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 12RB#13 | 21.44 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 25RB#0 | 22.62 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 25RB#0 | 22.31 | PASS |
| Band25 | 5MHz | QPSK | 26365 | 1RB#0 | 23.16 | PASS |
| Band25 | 5MHz | 16QAM | 26365 | 1RB#0 | 23.02 | PASS |
| Band25 | 5MHz | QPSK | 26365 | 1RB#12 | 23.18 | PASS |
| Band25 | 5MHz | 16QAM | 26365 | 1RB#12 | 23.16 | PASS |
| Band25 | 5MHz | QPSK | 26365 | 1RB#24 | 23.08 | PASS |
| Band25 | 5MHz | 16QAM | 26365 | 1RB#24 | 22.38 | PASS |
| Band25 | 5MHz | QPSK | 26365 | 12RB#0 | 22.13 | PASS |
| Band25 | 5MHz | 16QAM | 26365 | 12RB#0 | 21.84 | PASS |
| Band25 | 5MHz | QPSK | 26365 | 12RB#6 | 22.44 | PASS |
| Band25 | 5MHz | 16QAM | 26365 | 12RB#6 | 21.32 | PASS |
| Band25 | 5MHz | QPSK | 26365 | 12RB#13 | 21.97 | PASS |
| Band25 | 5MHz | 16QAM | 26365 | 12RB#13 | 21.72 | PASS |
| Band25 | 5MHz | QPSK | 26365 | 25RB#0 | 22.56 | PASS |
| Band25 | 5MHz | 16QAM | 26365 | 25RB#0 | 21.96 | PASS |
| Band25 | 5MHz | QPSK | 26665 | 1RB#0 | 22.86 | PASS |
| Band25 | 5MHz | 16QAM | 26665 | 1RB#0 | 22.35 | PASS |
| Band25 | 5MHz | QPSK | 26665 | 1RB#12 | 23.18 | PASS |
| Band25 | 5MHz | 16QAM | 26665 | 1RB#12 | 23.06 | PASS |





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|--------|-------|-------|-------|---------|-------|------|
| Band25 | 5MHz | QPSK | 26665 | 1RB#24 | 23.32 | PASS |
| Band25 | 5MHz | 16QAM | 26665 | 1RB#24 | 22.73 | PASS |
| Band25 | 5MHz | QPSK | 26665 | 12RB#0 | 22.43 | PASS |
| Band25 | 5MHz | 16QAM | 26665 | 12RB#0 | 21.32 | PASS |
| Band25 | 5MHz | QPSK | 26665 | 12RB#6 | 22.12 | PASS |
| Band25 | 5MHz | 16QAM | 26665 | 12RB#6 | 21.97 | PASS |
| Band25 | 5MHz | QPSK | 26665 | 12RB#13 | 22.28 | PASS |
| Band25 | 5MHz | 16QAM | 26665 | 12RB#13 | 21.27 | PASS |
| Band25 | 5MHz | QPSK | 26665 | 25RB#0 | 22.30 | PASS |
| Band25 | 5MHz | 16QAM | 26665 | 25RB#0 | 21.24 | PASS |
| Band25 | 10MHz | QPSK | 26090 | 1RB#0 | 23.30 | PASS |
| Band25 | 10MHz | 16QAM | 26090 | 1RB#0 | 22.41 | PASS |
| Band25 | 10MHz | QPSK | 26090 | 1RB#24 | 23.29 | PASS |
| Band25 | 10MHz | 16QAM | 26090 | 1RB#24 | 22.38 | PASS |
| Band25 | 10MHz | QPSK | 26090 | 1RB#49 | 23.33 | PASS |
| Band25 | 10MHz | 16QAM | 26090 | 1RB#49 | 22.31 | PASS |
| Band25 | 10MHz | QPSK | 26090 | 25RB#0 | 21.92 | PASS |
| Band25 | 10MHz | 16QAM | 26090 | 25RB#0 | 21.34 | PASS |
| Band25 | 10MHz | QPSK | 26090 | 25RB#12 | 21.98 | PASS |
| Band25 | 10MHz | 16QAM | 26090 | 25RB#12 | 21.96 | PASS |
| Band25 | 10MHz | QPSK | 26090 | 25RB#25 | 22.89 | PASS |
| Band25 | 10MHz | 16QAM | 26090 | 25RB#25 | 21.70 | PASS |
| Band25 | 10MHz | QPSK | 26090 | 50RB#0 | 22.08 | PASS |
| Band25 | 10MHz | 16QAM | 26090 | 50RB#0 | 21.96 | PASS |
| Band25 | 10MHz | QPSK | 26365 | 1RB#0 | 23.28 | PASS |
| Band25 | 10MHz | 16QAM | 26365 | 1RB#0 | 23.52 | PASS |
| Band25 | 10MHz | QPSK | 26365 | 1RB#24 | 23.79 | PASS |
| Band25 | 10MHz | 16QAM | 26365 | 1RB#24 | 23.24 | PASS |
| Band25 | 10MHz | QPSK | 26365 | 1RB#49 | 23.09 | PASS |
| Band25 | 10MHz | 16QAM | 26365 | 1RB#49 | 23.99 | PASS |
| Band25 | 10MHz | QPSK | 26365 | 25RB#0 | 23.54 | PASS |
| Band25 | 10MHz | 16QAM | 26365 | 25RB#0 | 23.15 | PASS |
| Band25 | 10MHz | QPSK | 26365 | 25RB#12 | 23.24 | PASS |
| Band25 | 10MHz | 16QAM | 26365 | 25RB#12 | 22.97 | PASS |
| Band25 | 10MHz | QPSK | 26365 | 25RB#25 | 23.82 | PASS |
| Band25 | 10MHz | 16QAM | 26365 | 25RB#25 | 22.62 | PASS |
| Band25 | 10MHz | QPSK | 26365 | 50RB#0 | 22.80 | PASS |
| Band25 | 10MHz | 16QAM | 26365 | 50RB#0 | 22.40 | PASS |
| Band25 | 10MHz | QPSK | 26640 | 1RB#0 | 23.88 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 1RB#0 | 23.80 | PASS |





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|--------|-------|-------|-------|---------|-------|------|
| Band25 | 10MHz | QPSK | 26640 | 1RB#24 | 23.97 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 1RB#24 | 23.31 | PASS |
| Band25 | 10MHz | QPSK | 26640 | 1RB#49 | 23.15 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 1RB#49 | 24.40 | PASS |
| Band25 | 10MHz | QPSK | 26640 | 25RB#0 | 23.31 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 25RB#0 | 23.05 | PASS |
| Band25 | 10MHz | QPSK | 26640 | 25RB#12 | 23.68 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 25RB#12 | 23.07 | PASS |
| Band25 | 10MHz | QPSK | 26640 | 25RB#25 | 23.31 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 25RB#25 | 22.51 | PASS |
| Band25 | 10MHz | QPSK | 26640 | 50RB#0 | 22.75 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 50RB#0 | 22.49 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 1RB#0 | 23.65 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 1RB#0 | 23.18 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 1RB#38 | 23.39 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 1RB#38 | 22.52 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 1RB#74 | 23.84 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 1RB#74 | 23.17 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 38RB#0 | 23.87 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 38RB#0 | 22.67 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 38RB#18 | 23.96 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 38RB#18 | 23.19 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 38RB#37 | 22.99 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 38RB#37 | 22.72 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 75RB#0 | 23.09 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 75RB#0 | 22.07 | PASS |
| Band25 | 15MHz | QPSK | 26365 | 1RB#0 | 23.69 | PASS |
| Band25 | 15MHz | 16QAM | 26365 | 1RB#0 | 22.92 | PASS |
| Band25 | 15MHz | QPSK | 26365 | 1RB#38 | 23.50 | PASS |
| Band25 | 15MHz | 16QAM | 26365 | 1RB#38 | 22.88 | PASS |
| Band25 | 15MHz | QPSK | 26365 | 1RB#74 | 23.72 | PASS |
| Band25 | 15MHz | 16QAM | 26365 | 1RB#74 | 22.52 | PASS |
| Band25 | 15MHz | QPSK | 26365 | 38RB#0 | 22.39 | PASS |
| Band25 | 15MHz | 16QAM | 26365 | 38RB#0 | 22.37 | PASS |
| Band25 | 15MHz | QPSK | 26365 | 38RB#18 | 22.73 | PASS |
| Band25 | 15MHz | 16QAM | 26365 | 38RB#18 | 22.41 | PASS |
| Band25 | 15MHz | QPSK | 26365 | 38RB#37 | 22.56 | PASS |
| Band25 | 15MHz | 16QAM | 26365 | 38RB#37 | 22.31 | PASS |
| Band25 | 15MHz | QPSK | 26365 | 75RB#0 | 22.28 | PASS |
| Band25 | 15MHz | 16QAM | 26365 | 75RB#0 | 21.53 | PASS |





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|--------|-------|-------|-------|---------|-------|------|
| Band25 | 15MHz | QPSK | 26615 | 1RB#0 | 23.16 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 1RB#0 | 22.53 | PASS |
| Band25 | 15MHz | QPSK | 26615 | 1RB#38 | 23.08 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 1RB#38 | 22.47 | PASS |
| Band25 | 15MHz | QPSK | 26615 | 1RB#74 | 23.68 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 1RB#74 | 22.54 | PASS |
| Band25 | 15MHz | QPSK | 26615 | 38RB#0 | 22.24 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 38RB#0 | 22.37 | PASS |
| Band25 | 15MHz | QPSK | 26615 | 38RB#18 | 22.76 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 38RB#18 | 22.08 | PASS |
| Band25 | 15MHz | QPSK | 26615 | 38RB#37 | 22.00 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 38RB#37 | 22.27 | PASS |
| Band25 | 15MHz | QPSK | 26615 | 75RB#0 | 22.59 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 75RB#0 | 21.44 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 1RB#0 | 23.67 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 1RB#0 | 22.40 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 1RB#49 | 22.91 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 1RB#49 | 23.07 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 1RB#99 | 23.33 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 1RB#99 | 23.59 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 50RB#0 | 22.58 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 50RB#0 | 21.66 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 50RB#25 | 22.11 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 50RB#25 | 22.20 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 50RB#50 | 22.57 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 50RB#50 | 22.00 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 100RB#0 | 22.81 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 100RB#0 | 22.21 | PASS |
| Band25 | 20MHz | QPSK | 26365 | 1RB#0 | 22.80 | PASS |
| Band25 | 20MHz | 16QAM | 26365 | 1RB#0 | 21.71 | PASS |
| Band25 | 20MHz | QPSK | 26365 | 1RB#49 | 23.27 | PASS |
| Band25 | 20MHz | 16QAM | 26365 | 1RB#49 | 22.50 | PASS |
| Band25 | 20MHz | QPSK | 26365 | 1RB#99 | 23.74 | PASS |
| Band25 | 20MHz | 16QAM | 26365 | 1RB#99 | 21.85 | PASS |
| Band25 | 20MHz | QPSK | 26365 | 50RB#0 | 22.43 | PASS |
| Band25 | 20MHz | 16QAM | 26365 | 50RB#0 | 22.10 | PASS |
| Band25 | 20MHz | QPSK | 26365 | 50RB#25 | 22.10 | PASS |
| Band25 | 20MHz | 16QAM | 26365 | 50RB#25 | 21.50 | PASS |
| Band25 | 20MHz | QPSK | 26365 | 50RB#50 | 22.03 | PASS |
| Band25 | 20MHz | 16QAM | 26365 | 50RB#50 | 21.44 | PASS |





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|--------|-------|-------|-------|---------|-------|------|
| Band25 | 20MHz | QPSK | 26365 | 100RB#0 | 22.62 | PASS |
| Band25 | 20MHz | 16QAM | 26365 | 100RB#0 | 22.31 | PASS |
| Band25 | 20MHz | QPSK | 26590 | 1RB#0 | 23.16 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 1RB#0 | 23.02 | PASS |
| Band25 | 20MHz | QPSK | 26590 | 1RB#49 | 23.18 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 1RB#49 | 23.16 | PASS |
| Band25 | 20MHz | QPSK | 26590 | 1RB#99 | 23.08 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 1RB#99 | 22.38 | PASS |
| Band25 | 20MHz | QPSK | 26590 | 50RB#0 | 22.13 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 50RB#0 | 21.84 | PASS |
| Band25 | 20MHz | QPSK | 26590 | 50RB#25 | 22.44 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 50RB#25 | 21.32 | PASS |
| Band25 | 20MHz | QPSK | 26590 | 50RB#50 | 21.97 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 50RB#50 | 21.72 | PASS |
| Band25 | 20MHz | QPSK | 26590 | 100RB#0 | 22.56 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 100RB#0 | 21.96 | PASS |





N.2 Peak-to-Average Ratio(CCDF)

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band25 | 1.4MHz | QPSK | 26047 | 1RB#0 | 5.21 | 13 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 1RB#0 | 6.17 | 13 | PASS |
| Band25 | 1.4MHz | QPSK | 26047 | 6RB#0 | 5.42 | 13 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 6RB#0 | 6.19 | 13 | PASS |
| Band25 | 1.4MHz | QPSK | 26365 | 1RB#0 | 5.05 | 13 | PASS |
| Band25 | 1.4MHz | 16QAM | 26365 | 1RB#0 | 6.02 | 13 | PASS |
| Band25 | 1.4MHz | QPSK | 26365 | 6RB#0 | 5.36 | 13 | PASS |
| Band25 | 1.4MHz | 16QAM | 26365 | 6RB#0 | 6.13 | 13 | PASS |
| Band25 | 1.4MHz | QPSK | 26683 | 1RB#0 | 5.08 | 13 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 1RB#0 | 6.13 | 13 | PASS |
| Band25 | 1.4MHz | QPSK | 26683 | 6RB#0 | 5.40 | 13 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 6RB#0 | 6.18 | 13 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 1RB#0 | 5.04 | 13 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 1RB#0 | 5.94 | 13 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 15RB#0 | 5.49 | 13 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 15RB#0 | 6.30 | 13 | PASS |
| Band25 | 3MHz | QPSK | 26365 | 1RB#0 | 4.94 | 13 | PASS |
| Band25 | 3MHz | 16QAM | 26365 | 1RB#0 | 5.80 | 13 | PASS |
| Band25 | 3MHz | QPSK | 26365 | 15RB#0 | 5.46 | 13 | PASS |
| Band25 | 3MHz | 16QAM | 26365 | 15RB#0 | 6.26 | 13 | PASS |
| Band25 | 3MHz | QPSK | 26675 | 1RB#0 | 5.29 | 13 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 1RB#0 | 6.14 | 13 | PASS |
| Band25 | 3MHz | QPSK | 26675 | 15RB#0 | 5.42 | 13 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 15RB#0 | 6.20 | 13 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 1RB#0 | 5.22 | 13 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 1RB#0 | 5.75 | 13 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 25RB#0 | 5.65 | 13 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 25RB#0 | 6.32 | 13 | PASS |
| Band25 | 5MHz | QPSK | 26365 | 1RB#0 | 5.01 | 13 | PASS |
| Band25 | 5MHz | 16QAM | 26365 | 1RB#0 | 5.61 | 13 | PASS |
| Band25 | 5MHz | QPSK | 26365 | 25RB#0 | 5.60 | 13 | PASS |
| Band25 | 5MHz | 16QAM | 26365 | 25RB#0 | 6.28 | 13 | PASS |
| Band25 | 5MHz | QPSK | 26665 | 1RB#0 | 5.45 | 13 | PASS |
| Band25 | 5MHz | 16QAM | 26665 | 1RB#0 | 5.86 | 13 | PASS |
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| Band25 | 5MHz | 16QAM | 26665 | 25RB#0 | 6.25 | 13 | PASS |



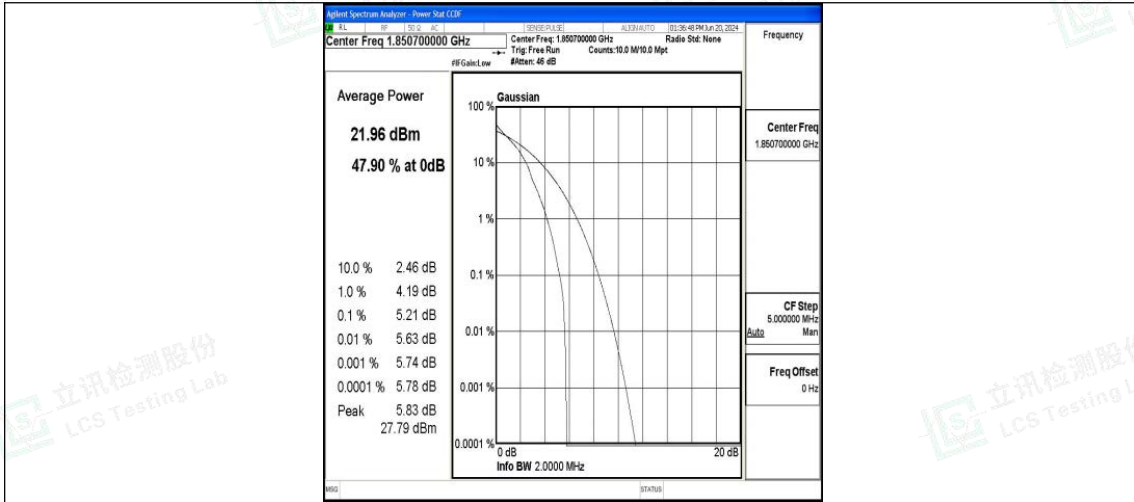


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|--------|-------|-------|-------|---------|------|----|------|
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| Band25 | 10MHz | 16QAM | 26090 | 1RB#0 | 5.98 | 13 | PASS |
| Band25 | 10MHz | QPSK | 26090 | 50RB#0 | 5.69 | 13 | PASS |
| Band25 | 10MHz | 16QAM | 26090 | 50RB#0 | 6.41 | 13 | PASS |
| Band25 | 10MHz | QPSK | 26365 | 1RB#0 | 4.86 | 13 | PASS |
| Band25 | 10MHz | 16QAM | 26365 | 1RB#0 | 5.75 | 13 | PASS |
| Band25 | 10MHz | QPSK | 26365 | 50RB#0 | 5.59 | 13 | PASS |
| Band25 | 10MHz | 16QAM | 26365 | 50RB#0 | 6.30 | 13 | PASS |
| Band25 | 10MHz | QPSK | 26640 | 1RB#0 | 5.21 | 13 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 1RB#0 | 6.08 | 13 | PASS |
| Band25 | 10MHz | QPSK | 26640 | 50RB#0 | 5.65 | 13 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 50RB#0 | 6.35 | 13 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 1RB#0 | 5.07 | 13 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 1RB#0 | 6.00 | 13 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 75RB#0 | 6.07 | 13 | PASS |
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| Band25 | 15MHz | QPSK | 26365 | 1RB#0 | 4.90 | 13 | PASS |
| Band25 | 15MHz | 16QAM | 26365 | 1RB#0 | 5.81 | 13 | PASS |
| Band25 | 15MHz | QPSK | 26365 | 75RB#0 | 5.86 | 13 | PASS |
| Band25 | 15MHz | 16QAM | 26365 | 75RB#0 | 6.36 | 13 | PASS |
| Band25 | 15MHz | QPSK | 26615 | 1RB#0 | 5.18 | 13 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 1RB#0 | 6.10 | 13 | PASS |
| Band25 | 15MHz | QPSK | 26615 | 75RB#0 | 5.94 | 13 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 75RB#0 | 6.41 | 13 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 1RB#0 | 4.89 | 13 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 1RB#0 | 5.62 | 13 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 100RB#0 | 5.79 | 13 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 100RB#0 | 6.49 | 13 | PASS |
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| Band25 | 20MHz | QPSK | 26590 | 1RB#0 | 5.08 | 13 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 1RB#0 | 5.65 | 13 | PASS |
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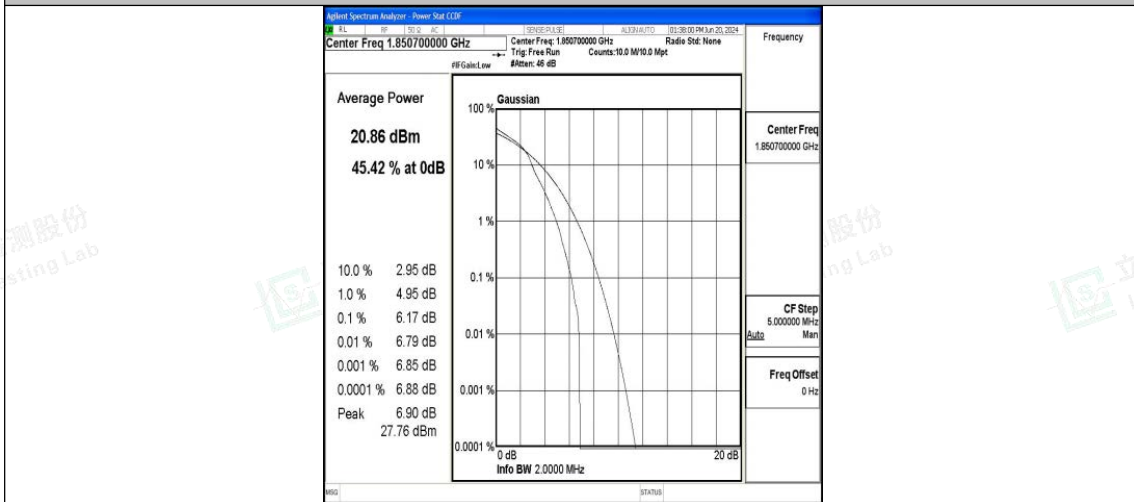




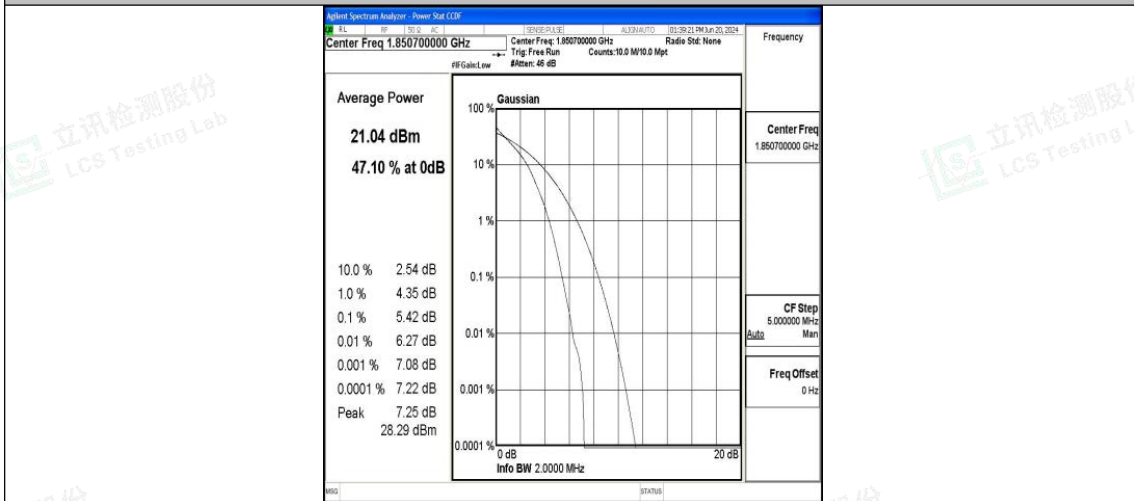
Test Graphs



Band25-1.4MHz-QPSK-26047-1RB#0-PASS

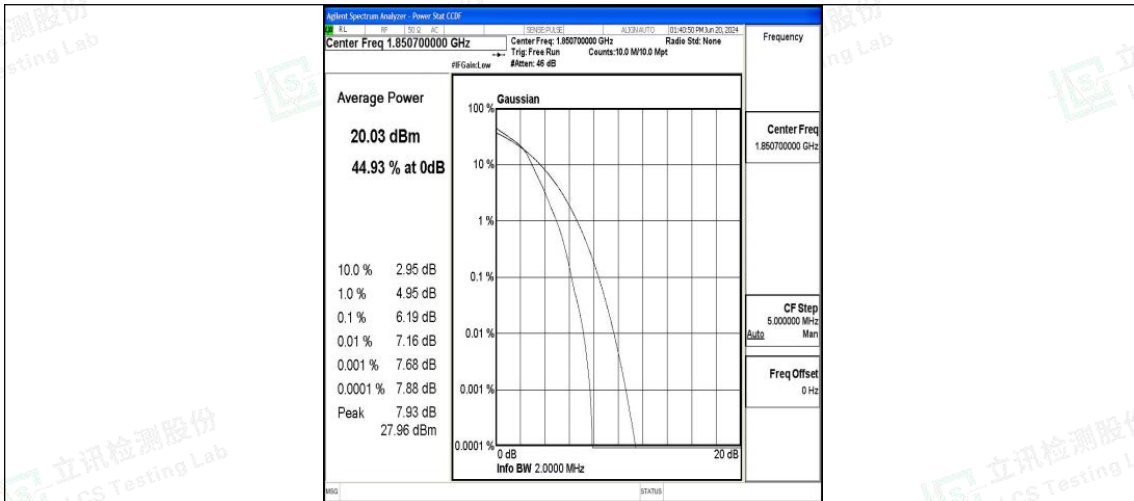


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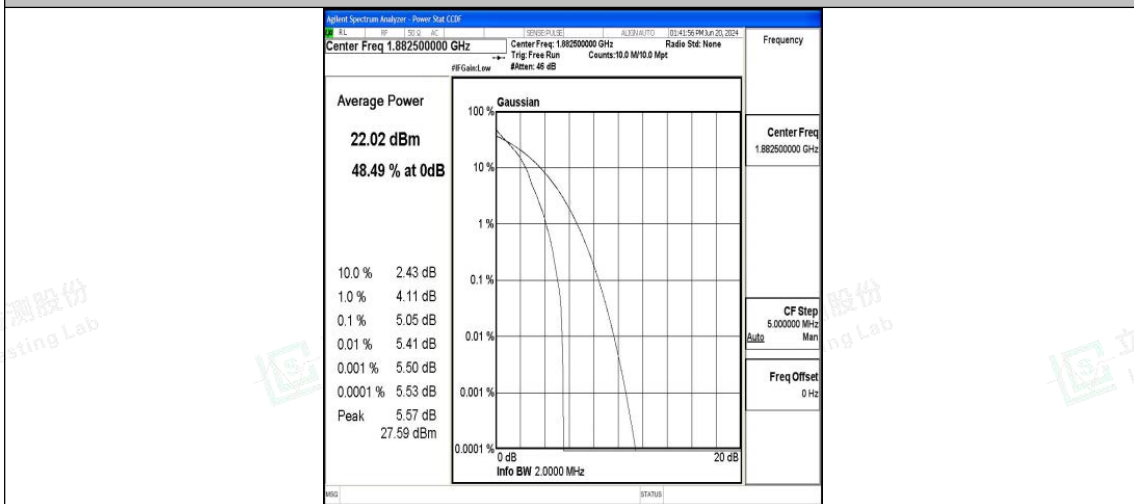


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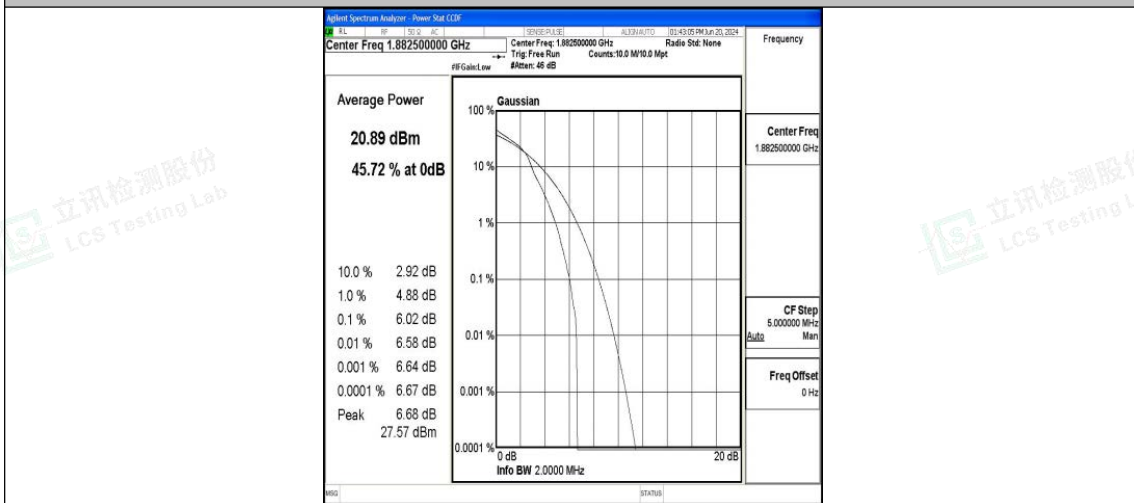




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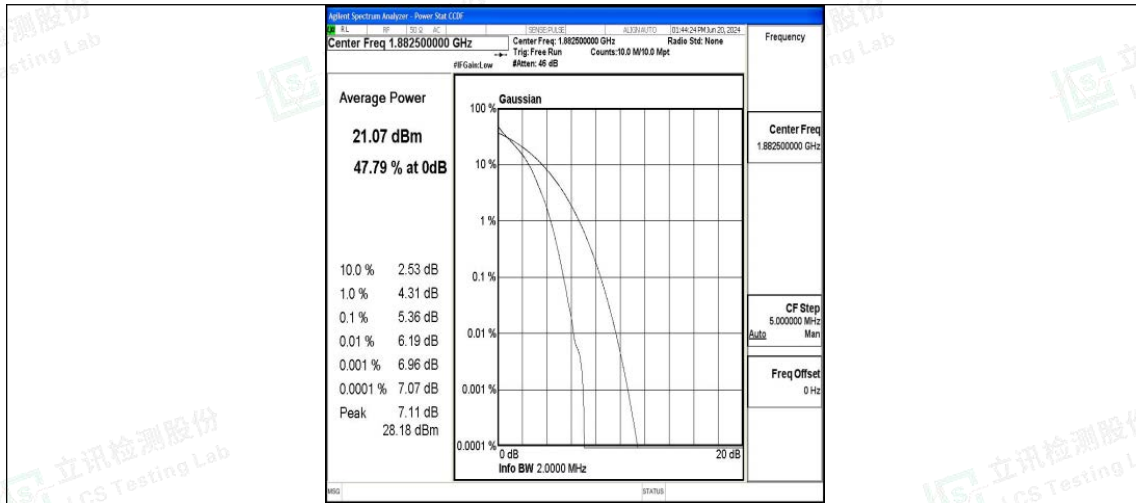


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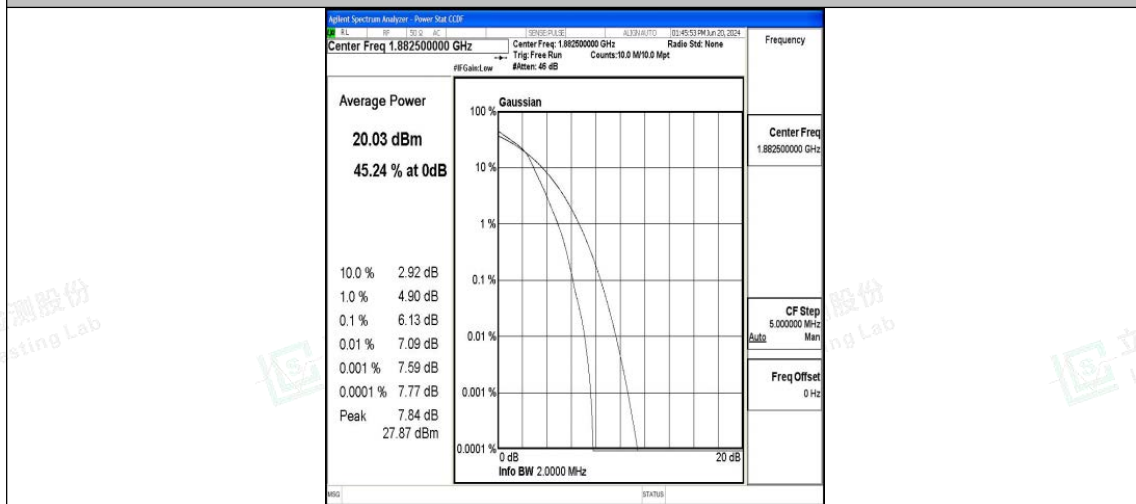


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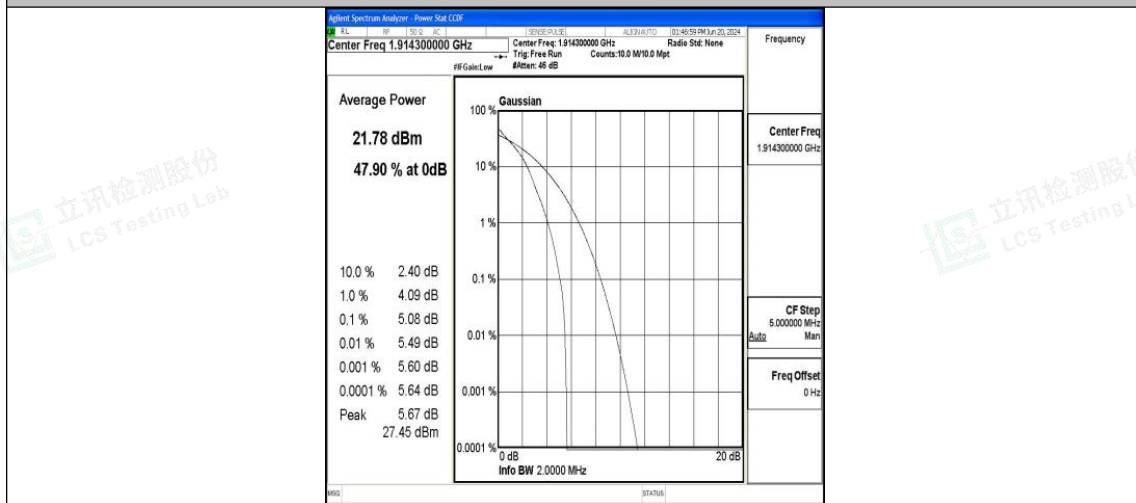




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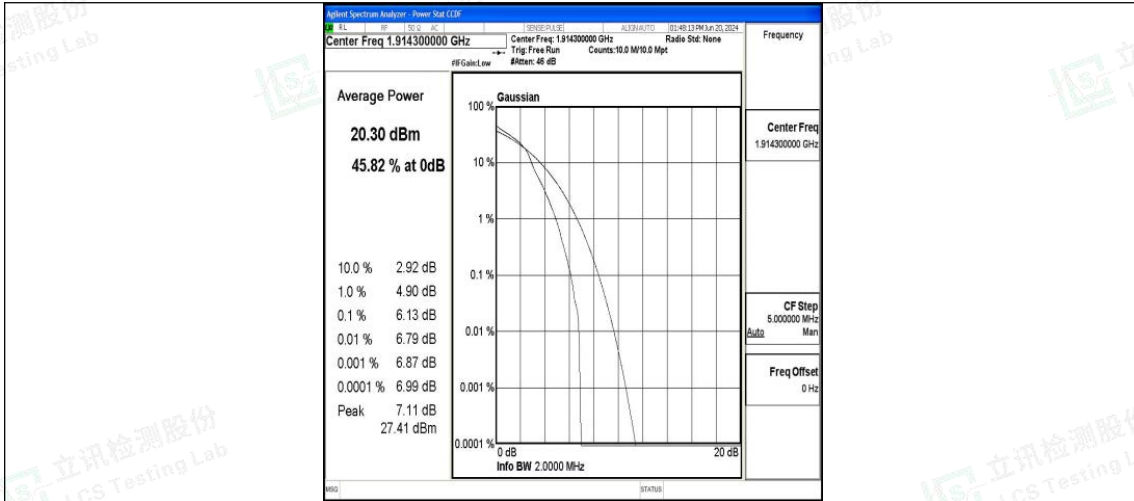


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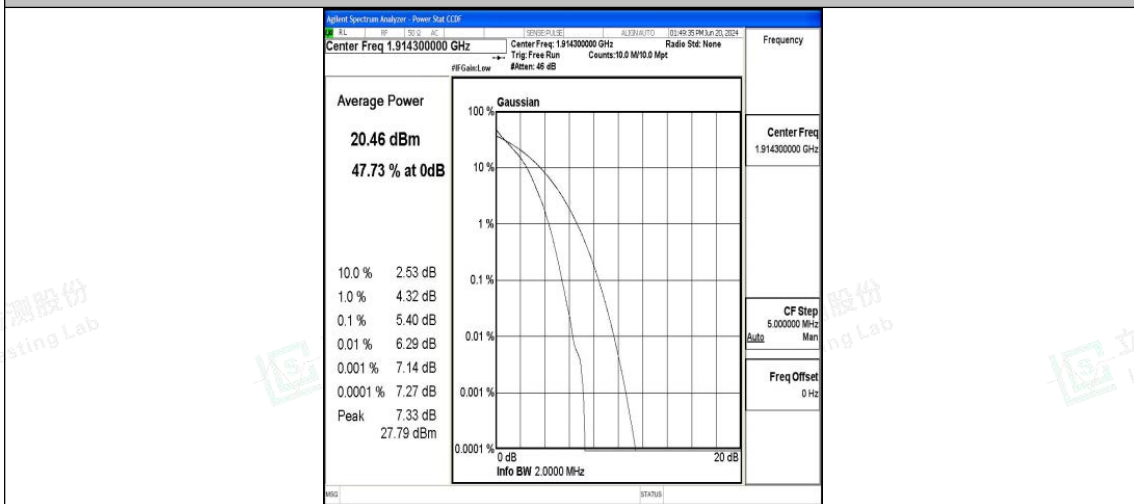


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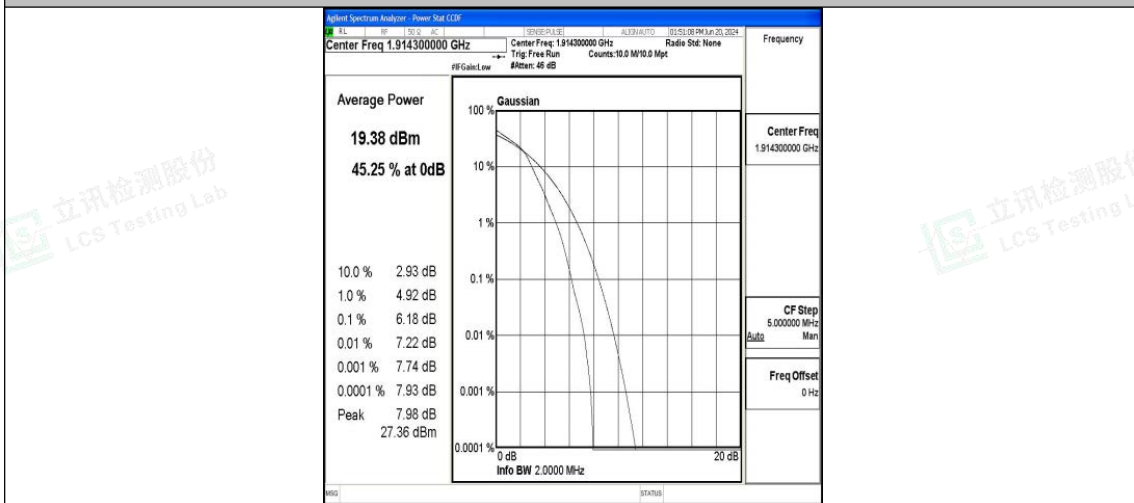




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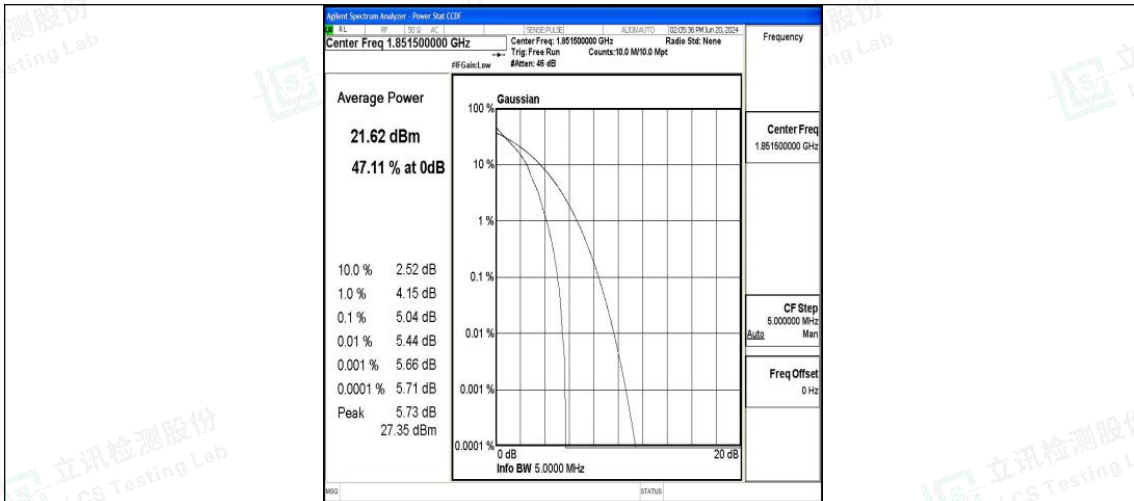


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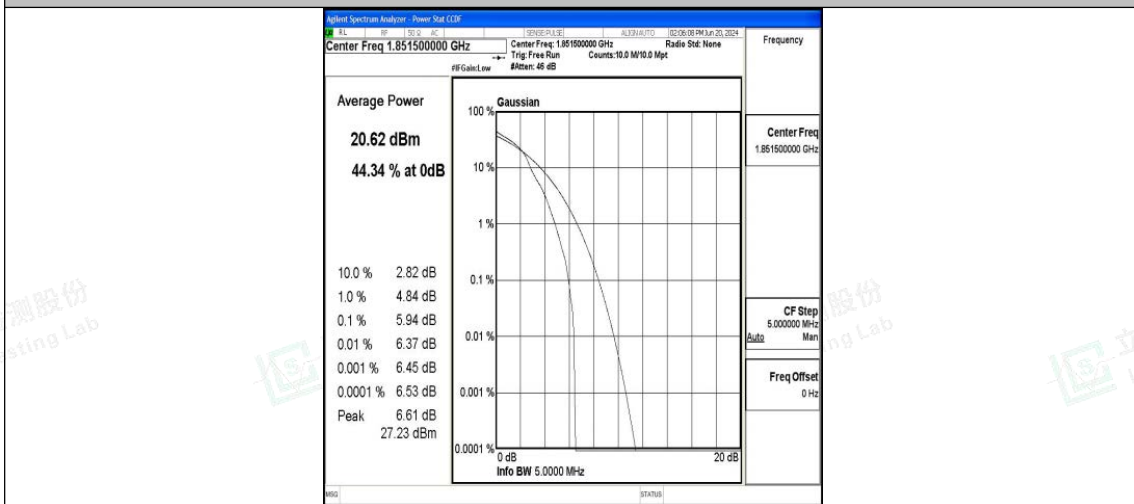


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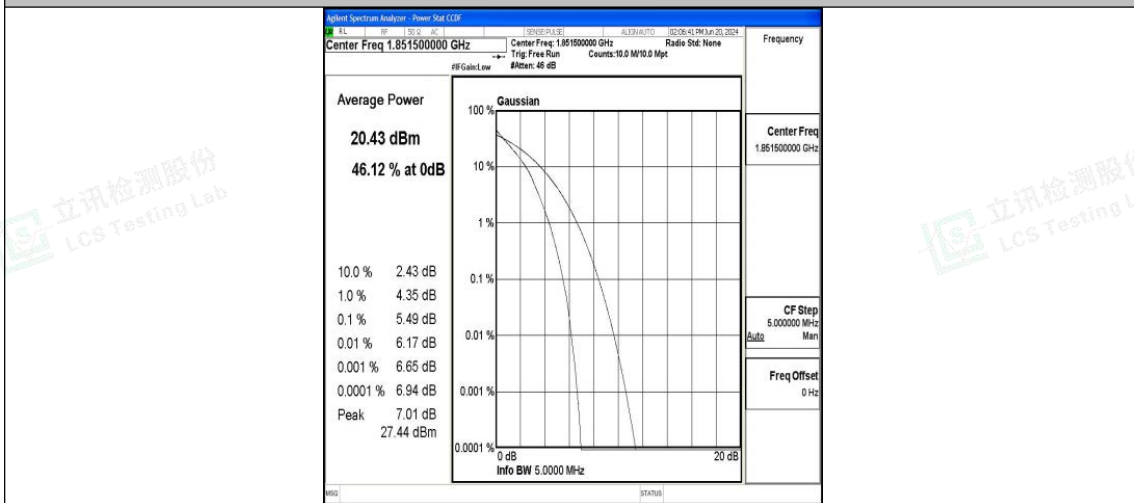




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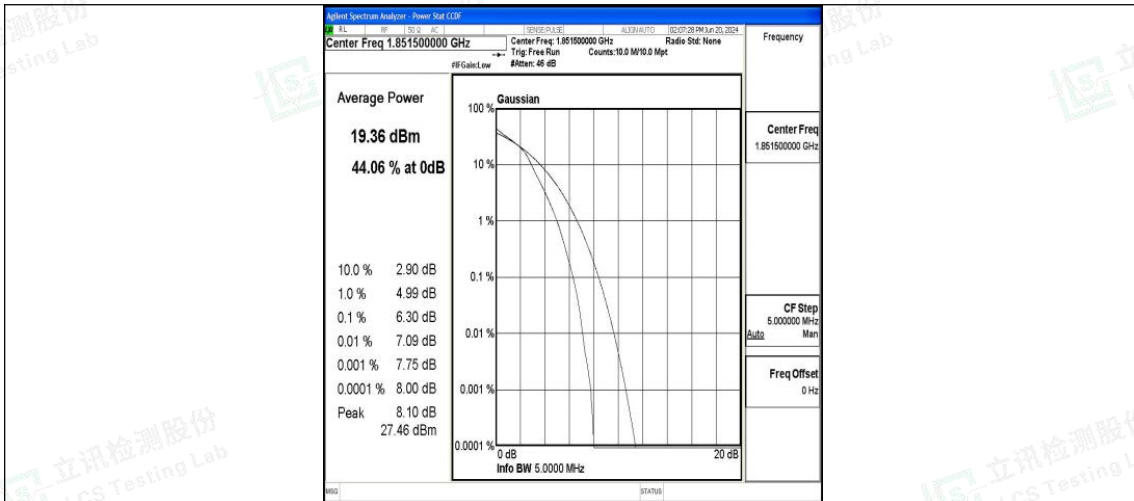


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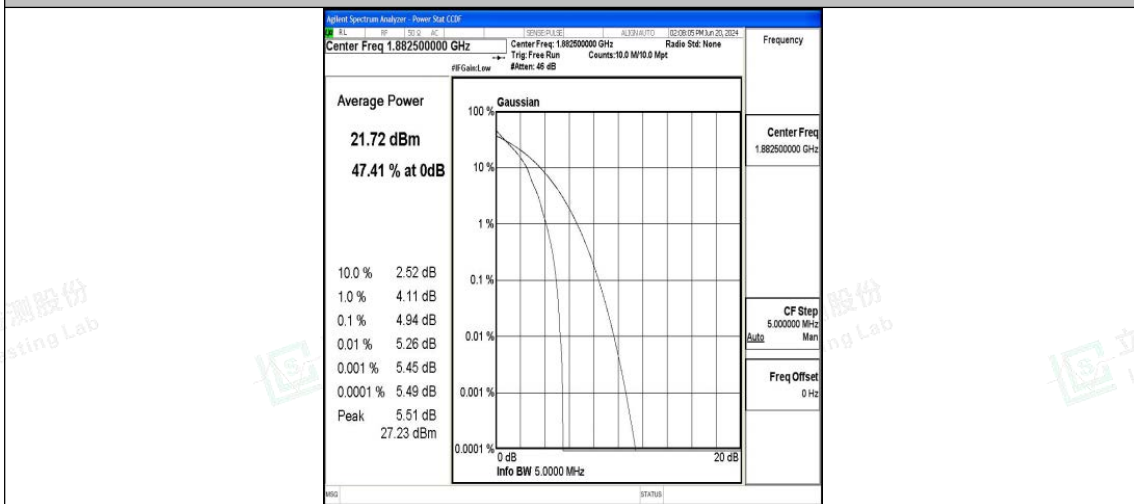


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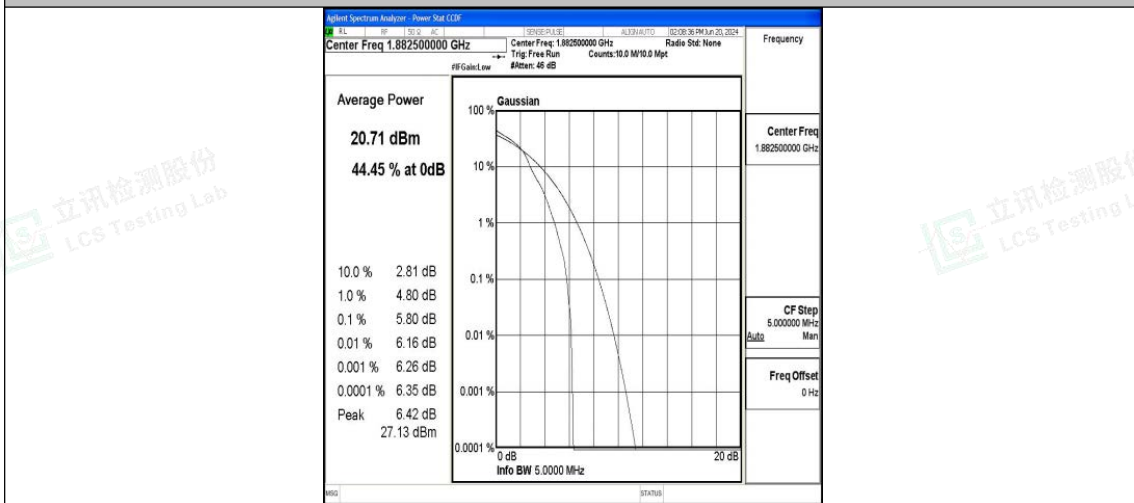




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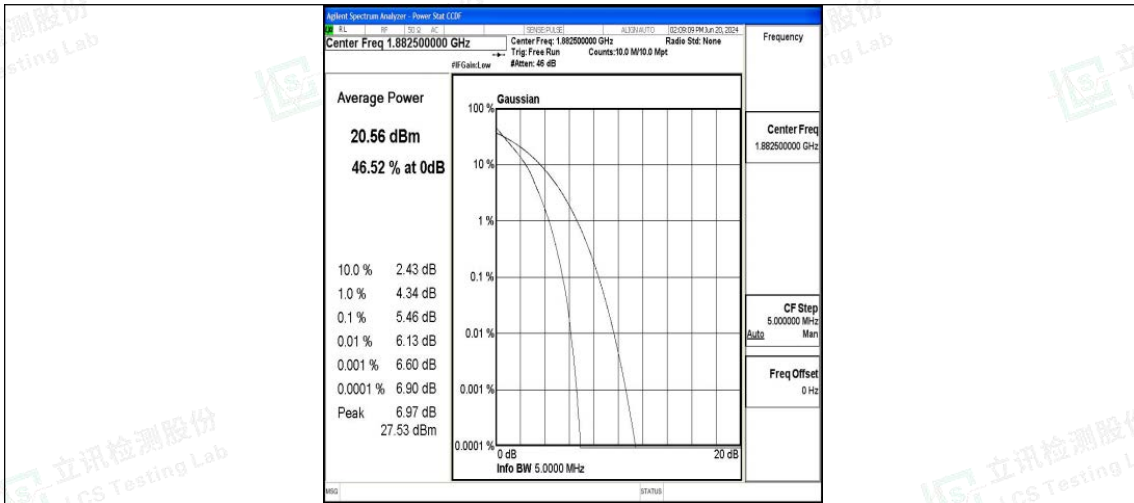


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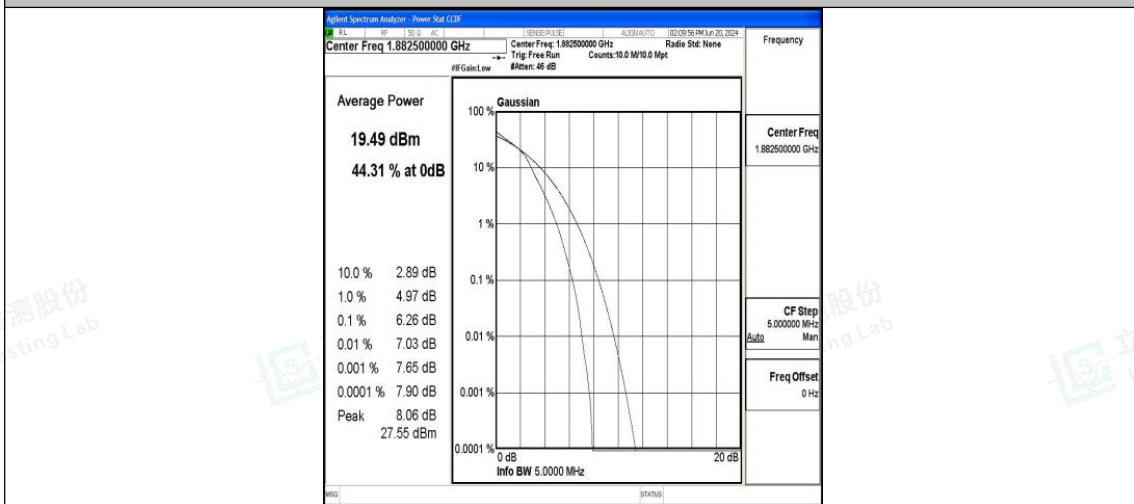


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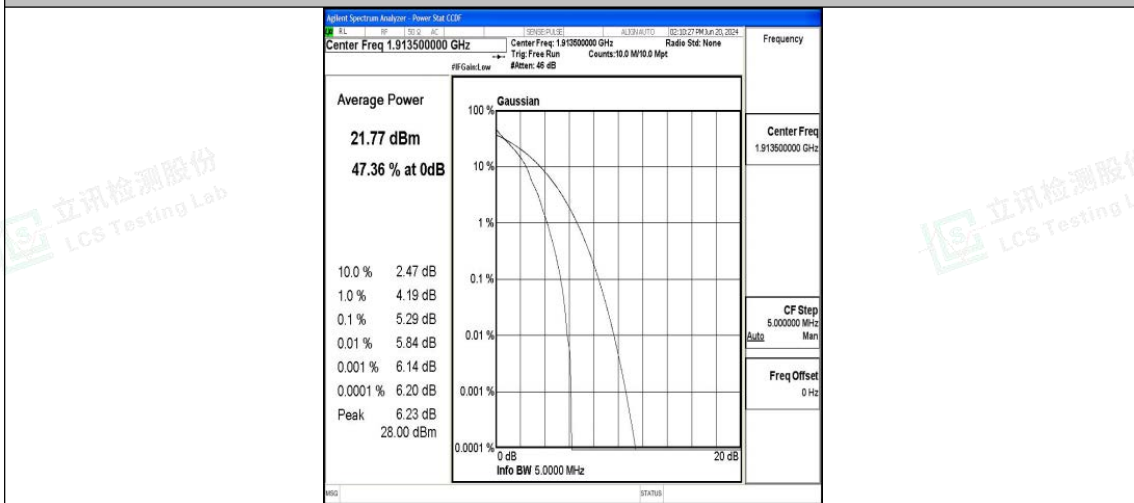




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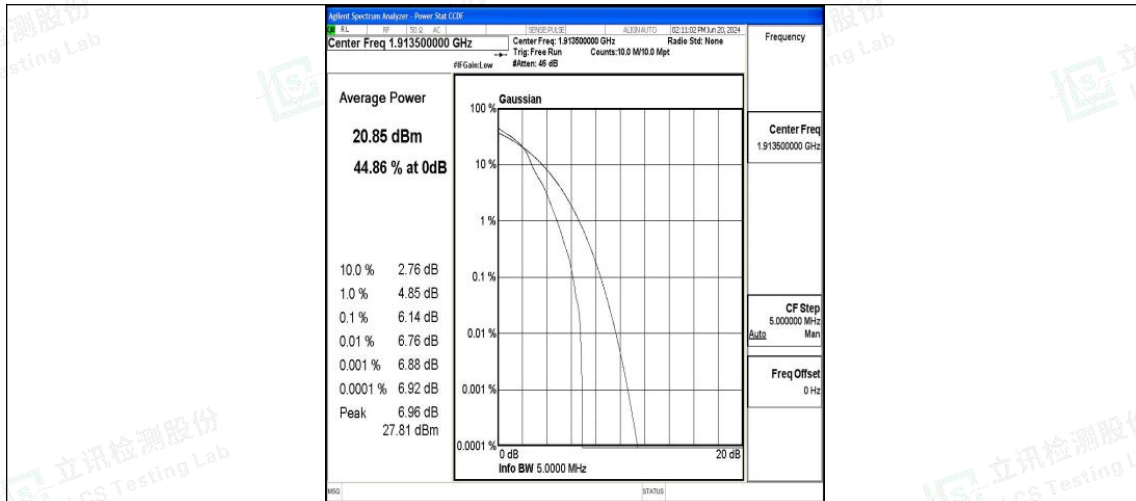


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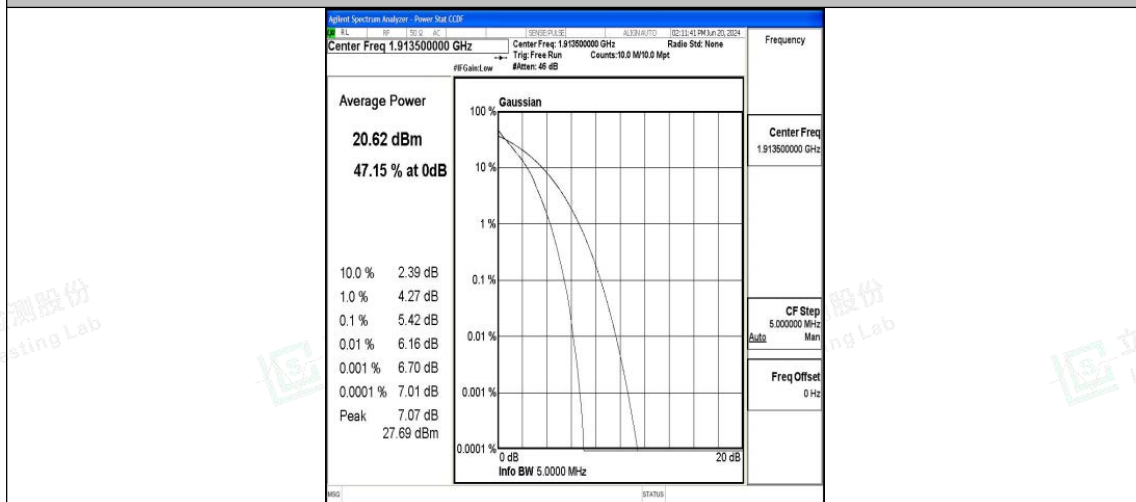


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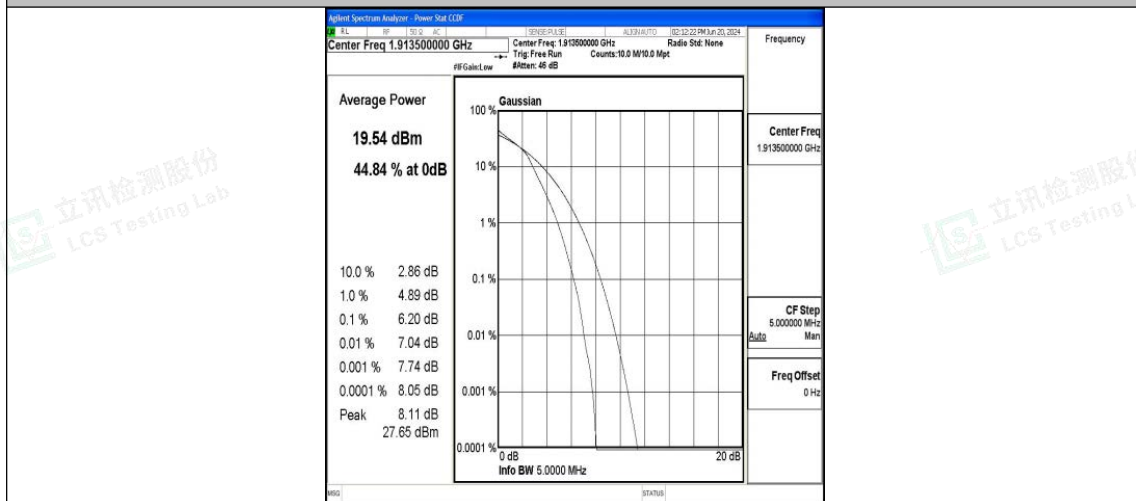




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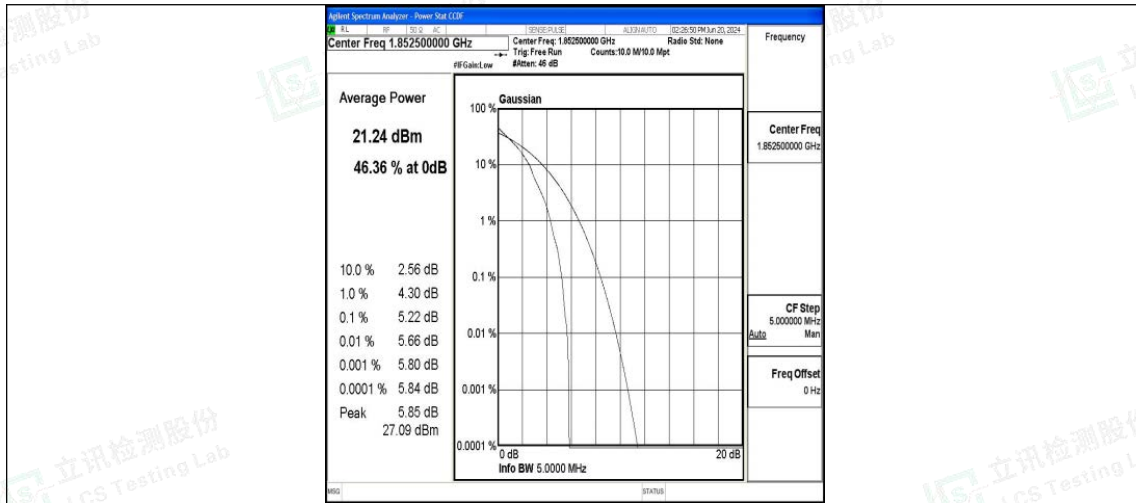


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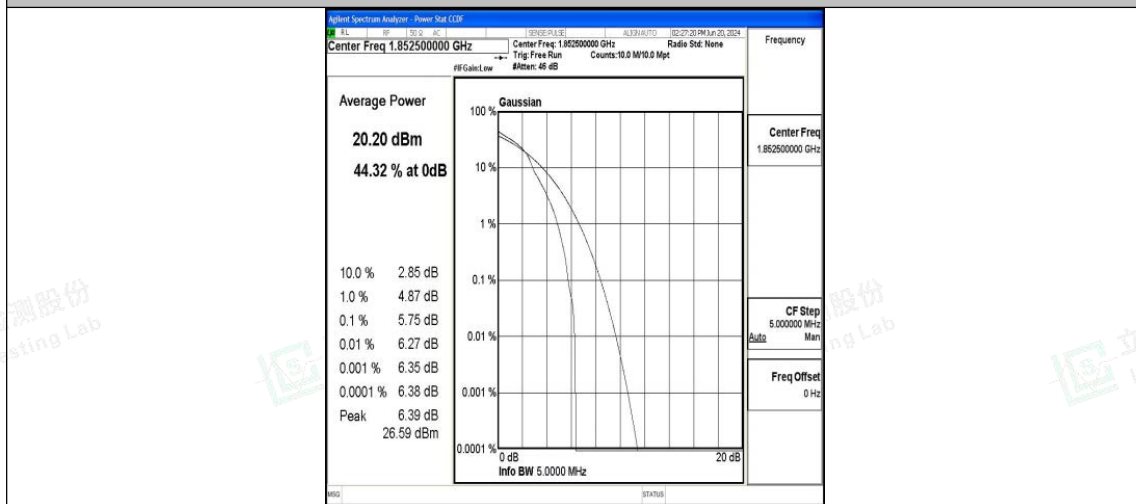


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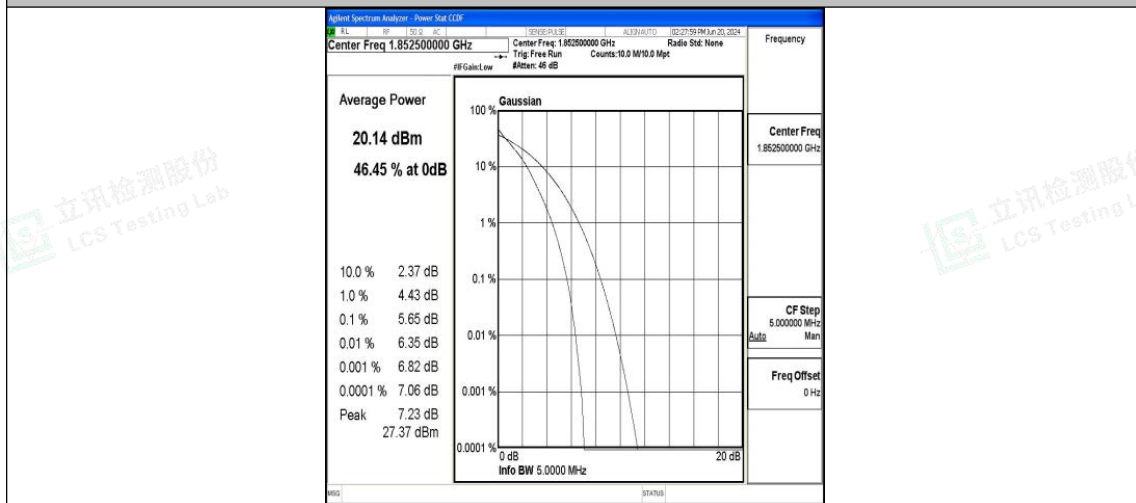




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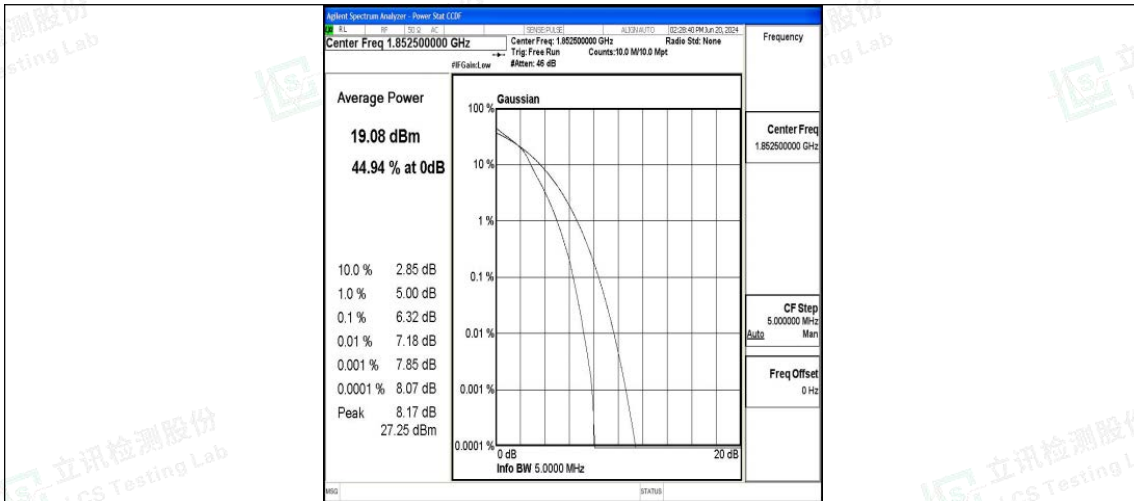


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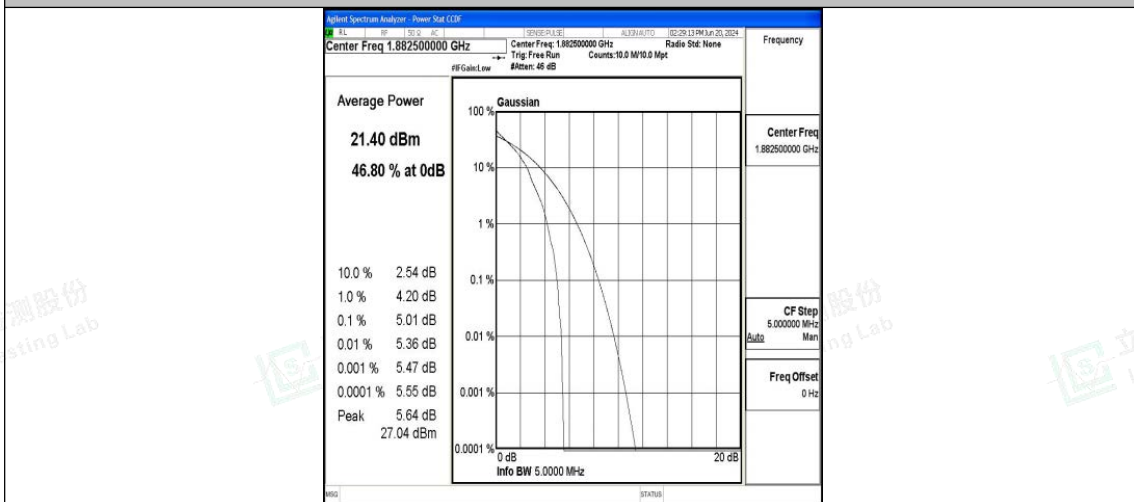


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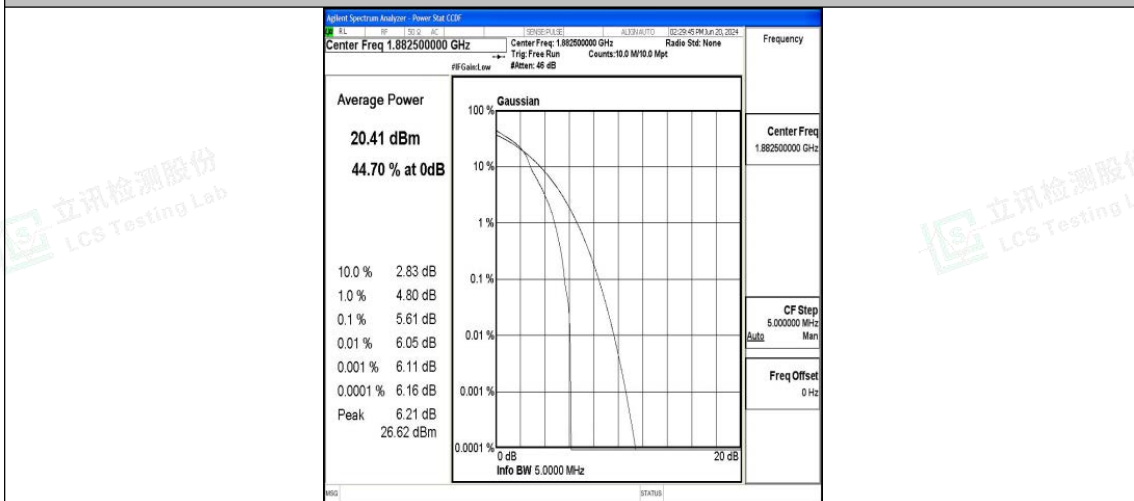




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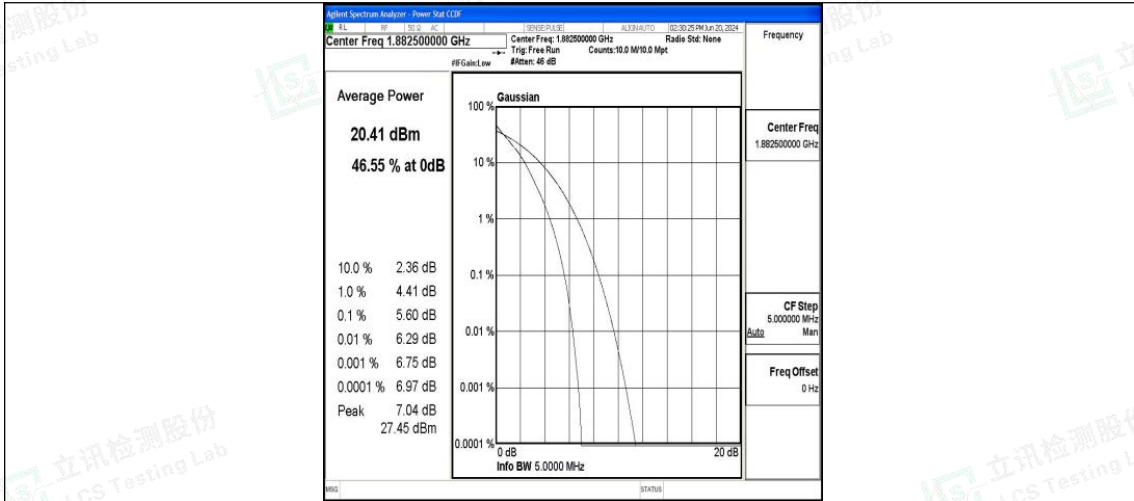


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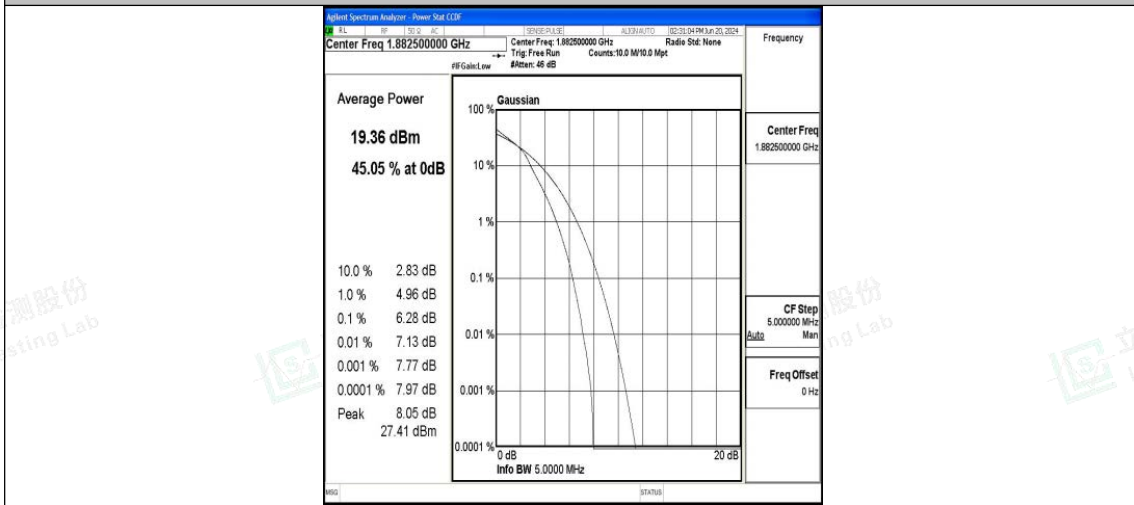


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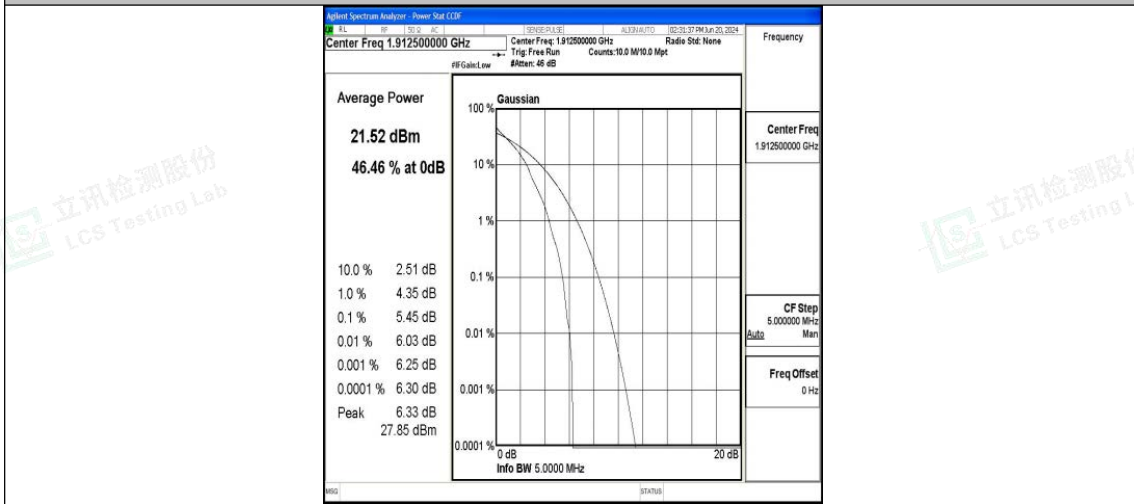




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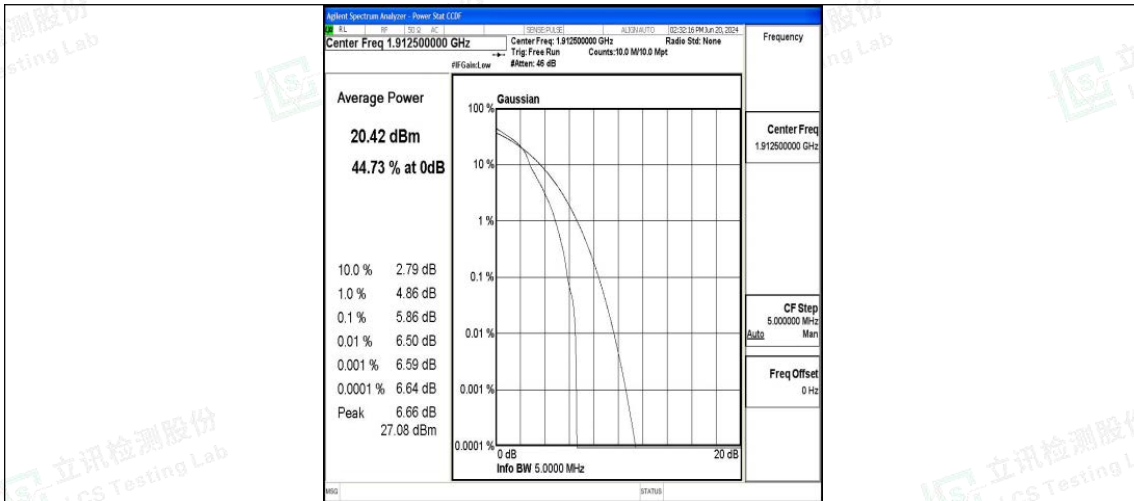


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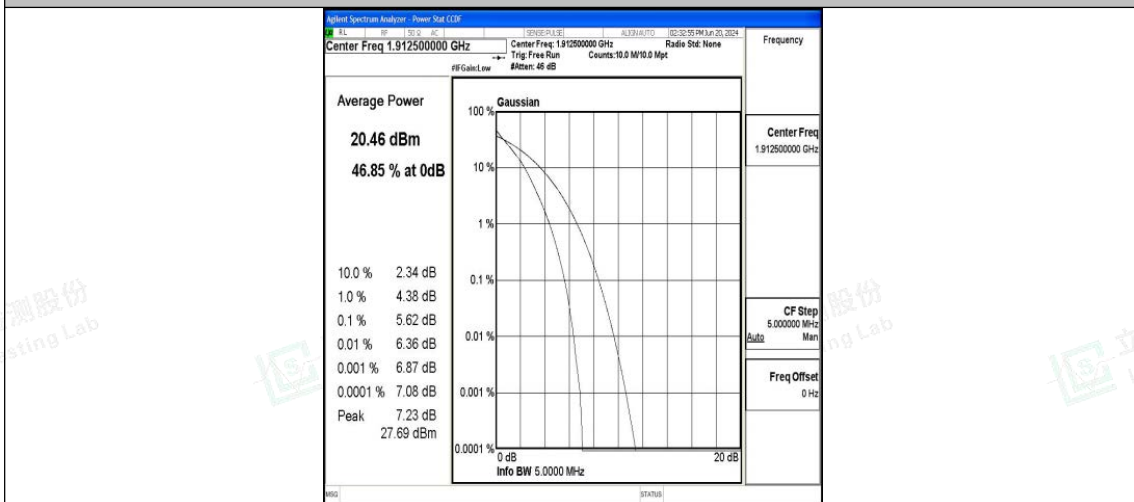


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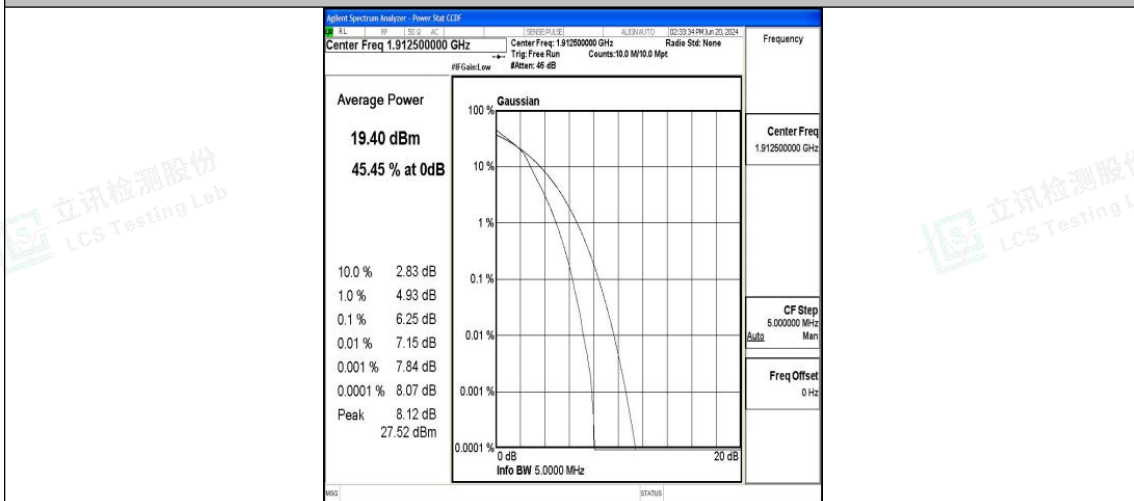




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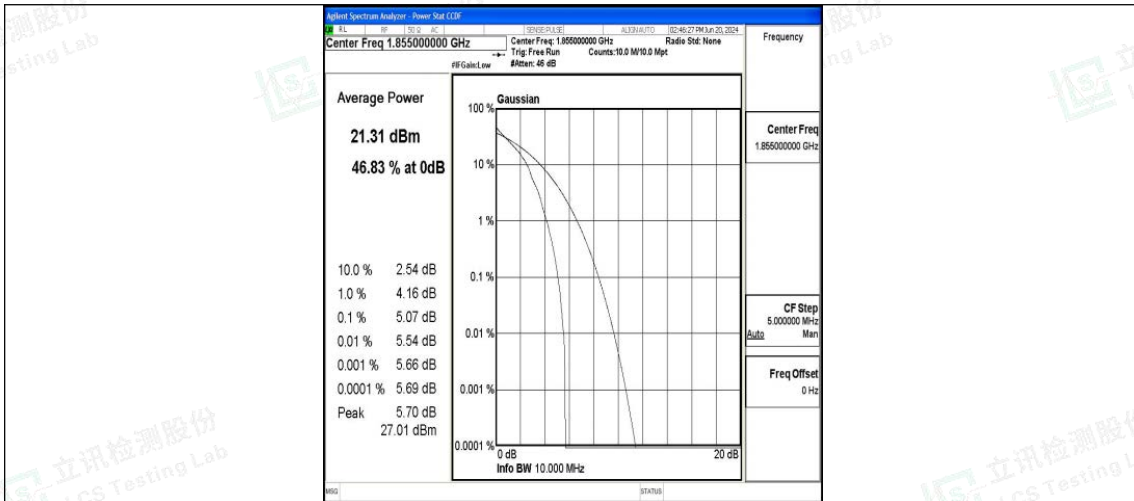


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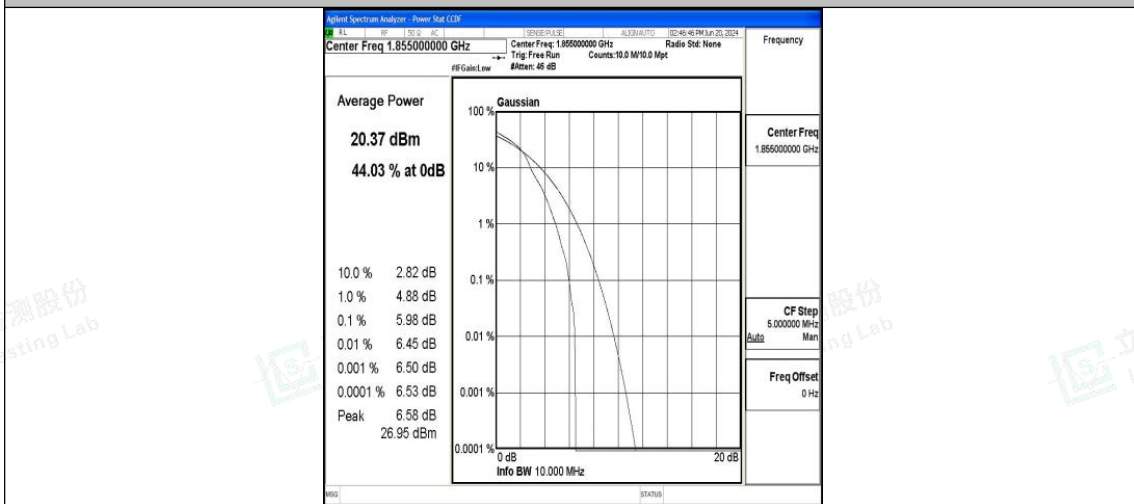


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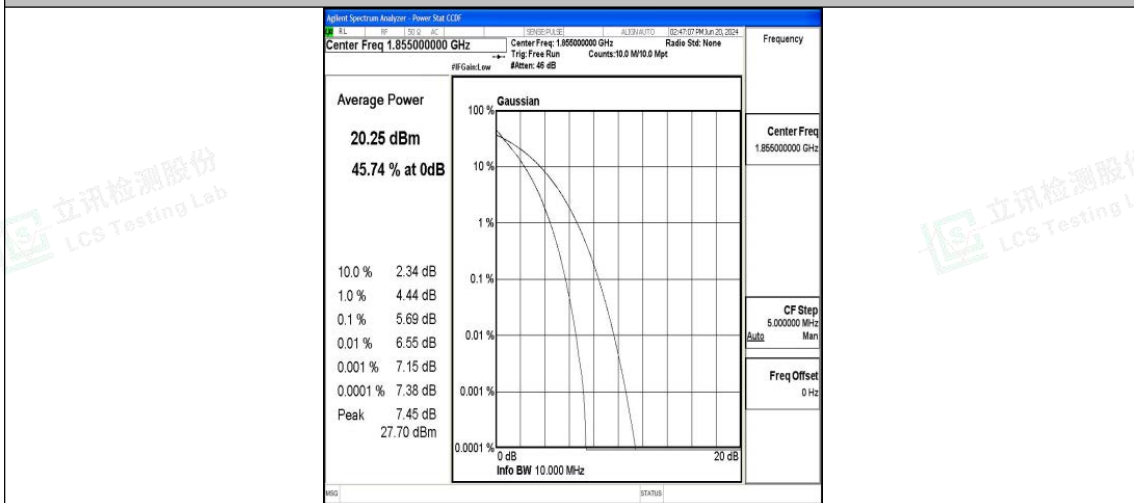




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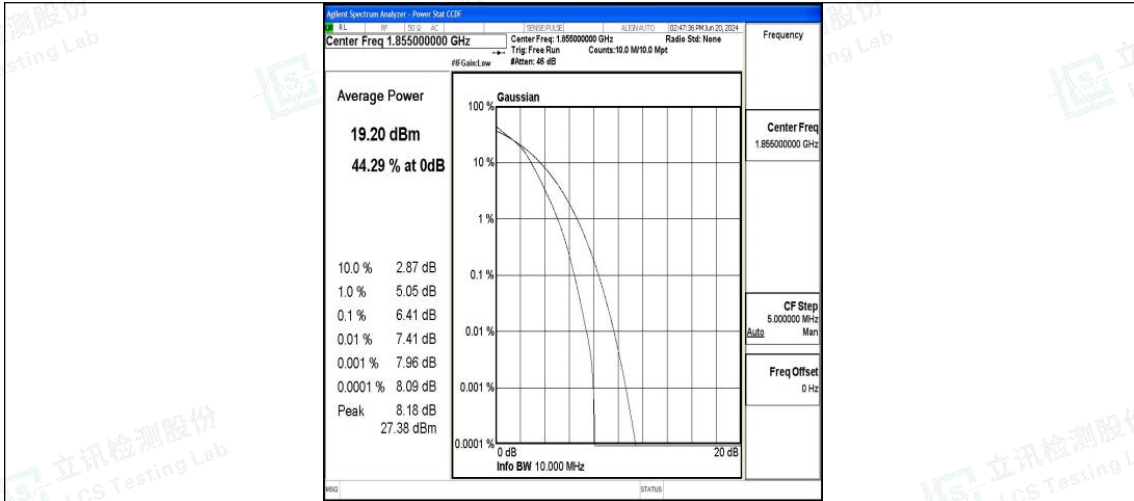


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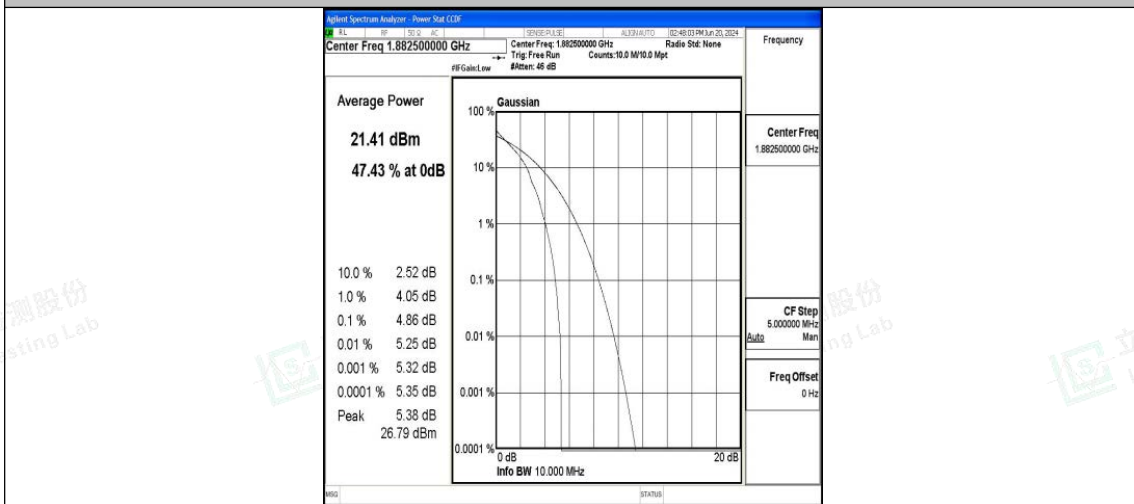


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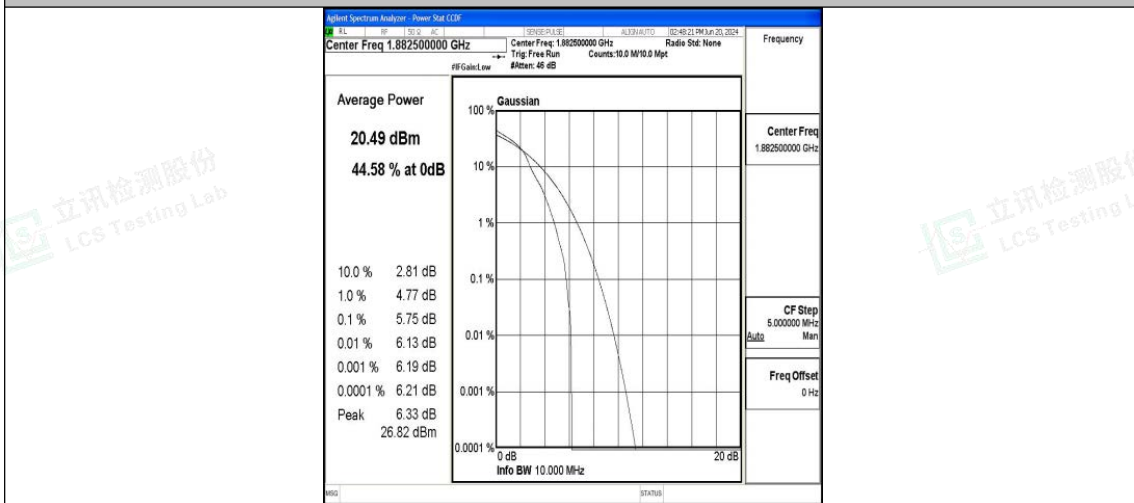




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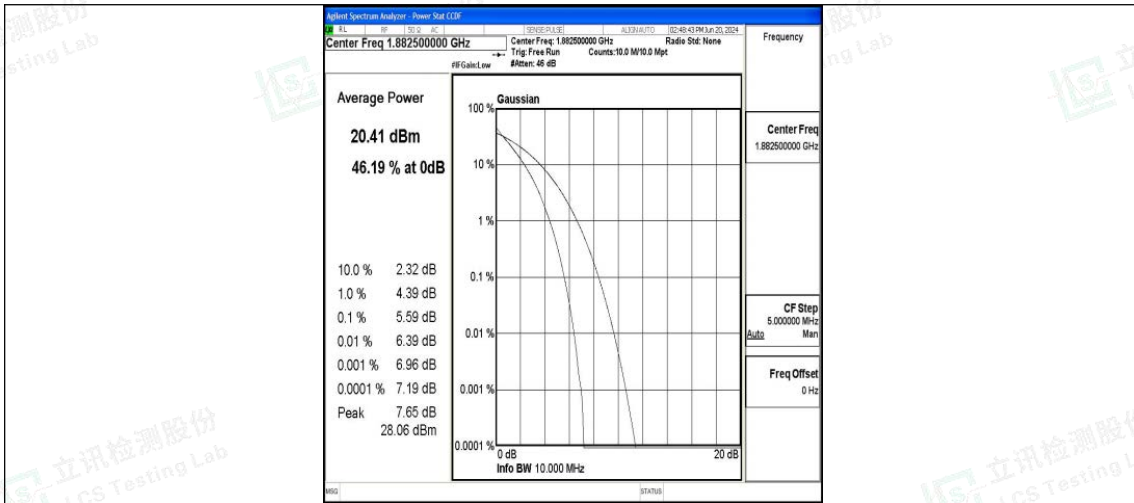


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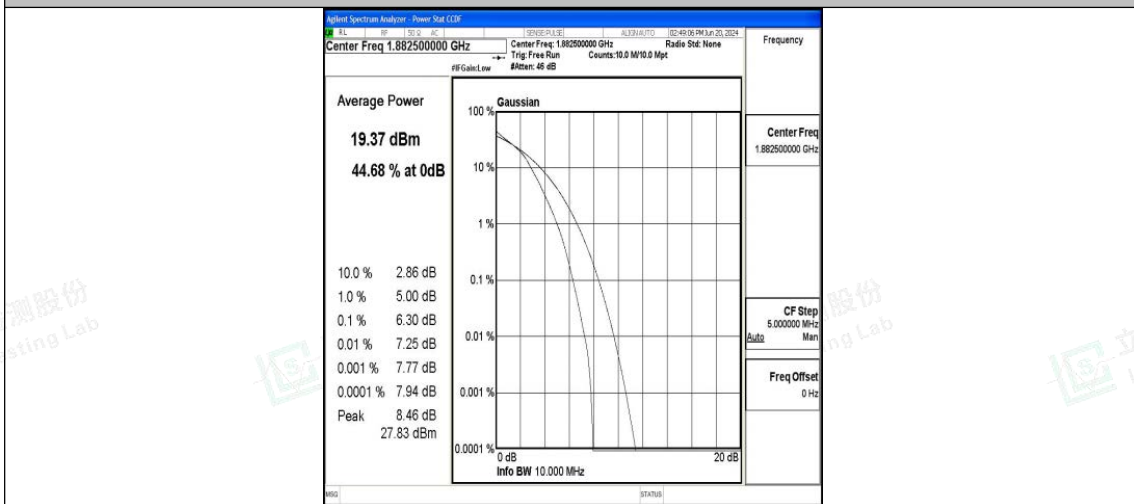


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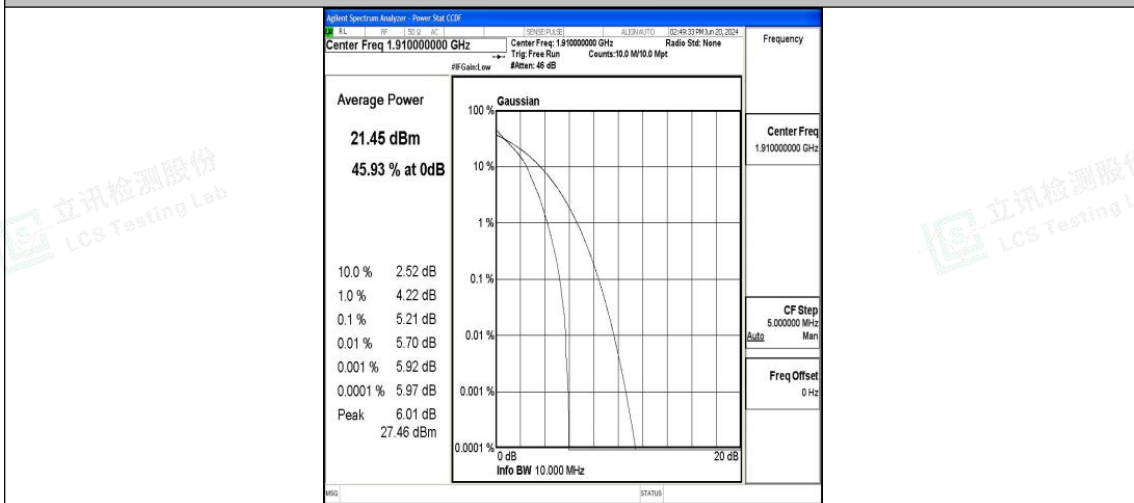




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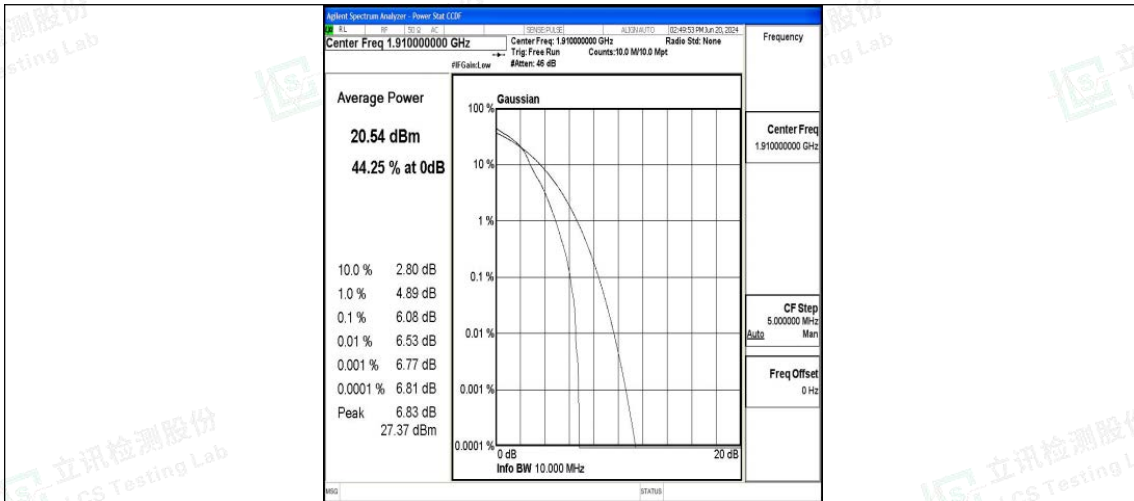


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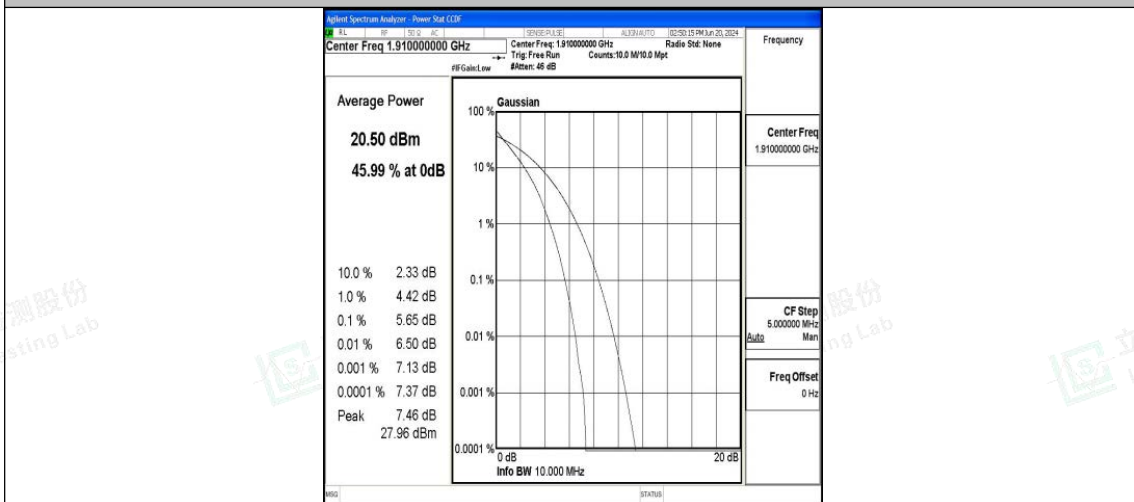


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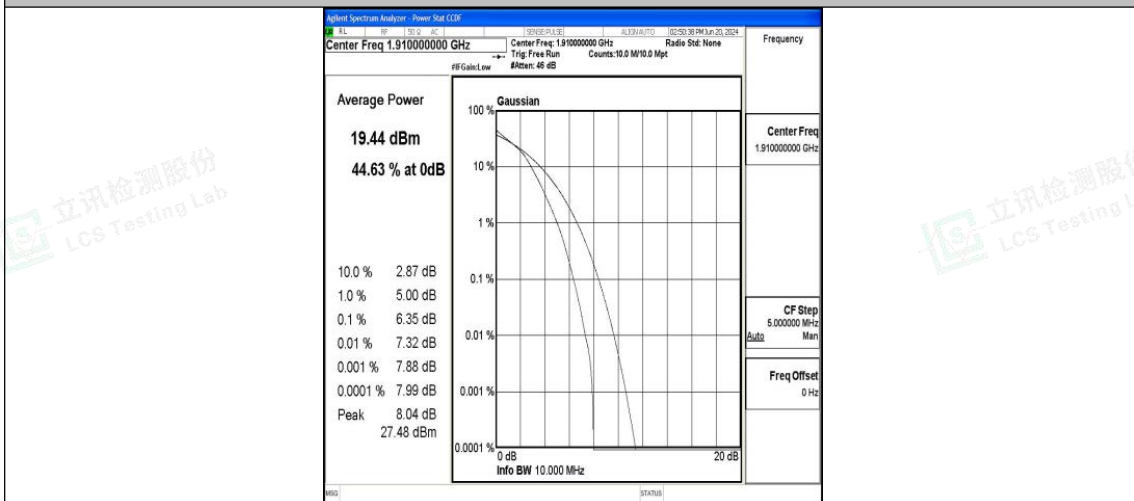




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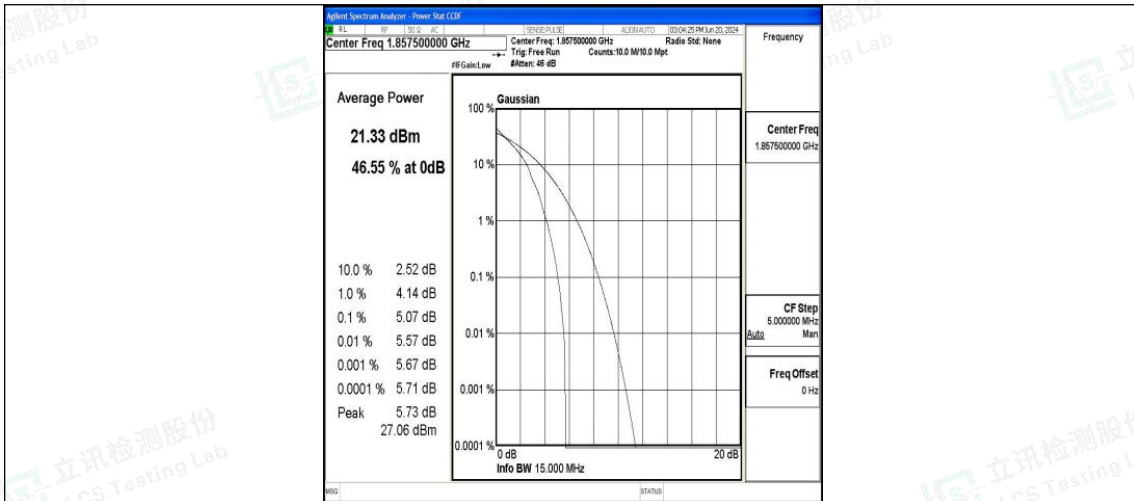


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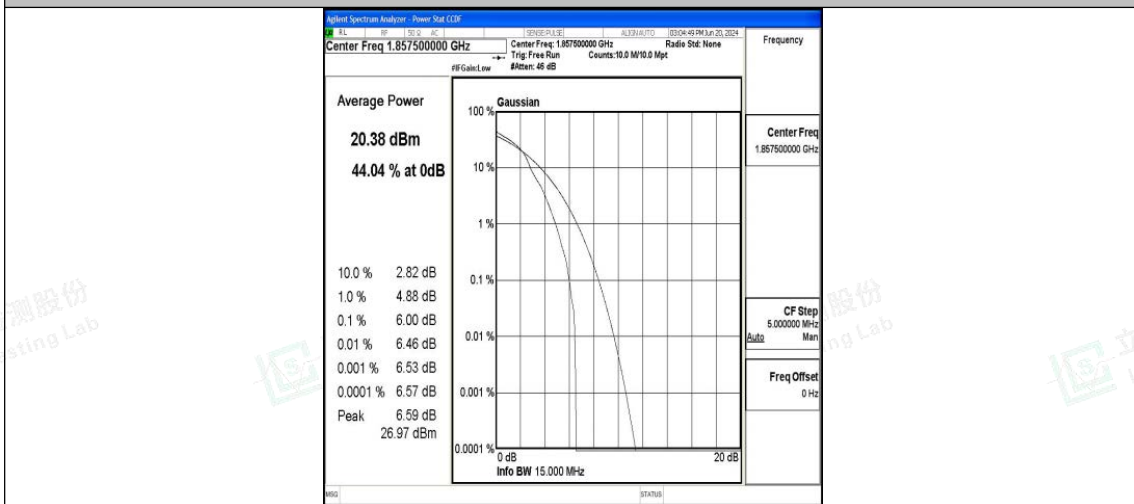


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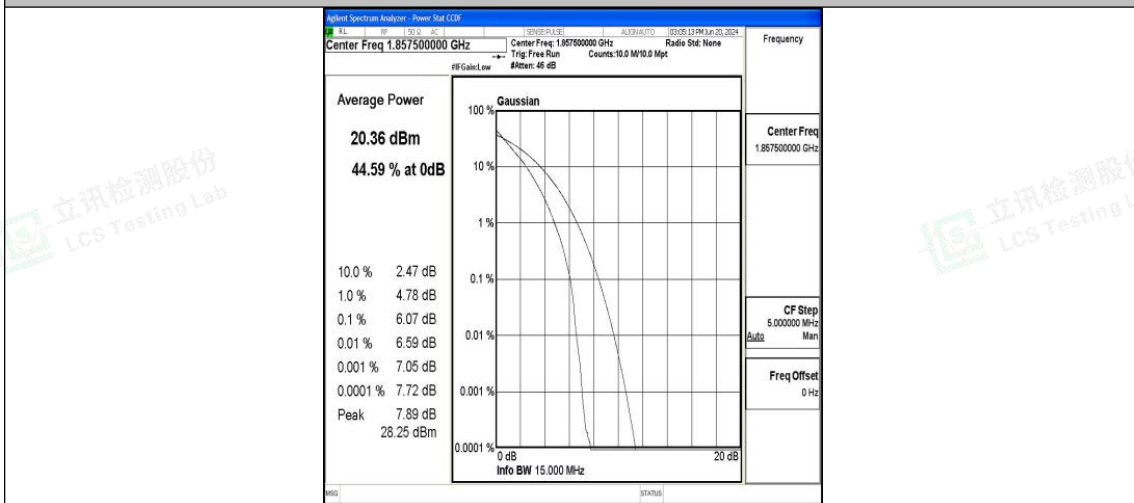




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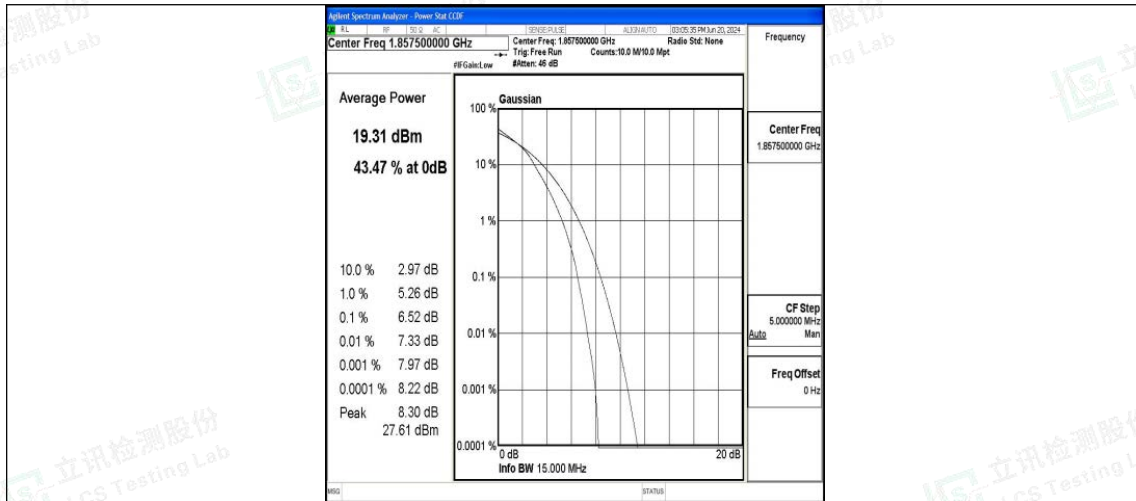


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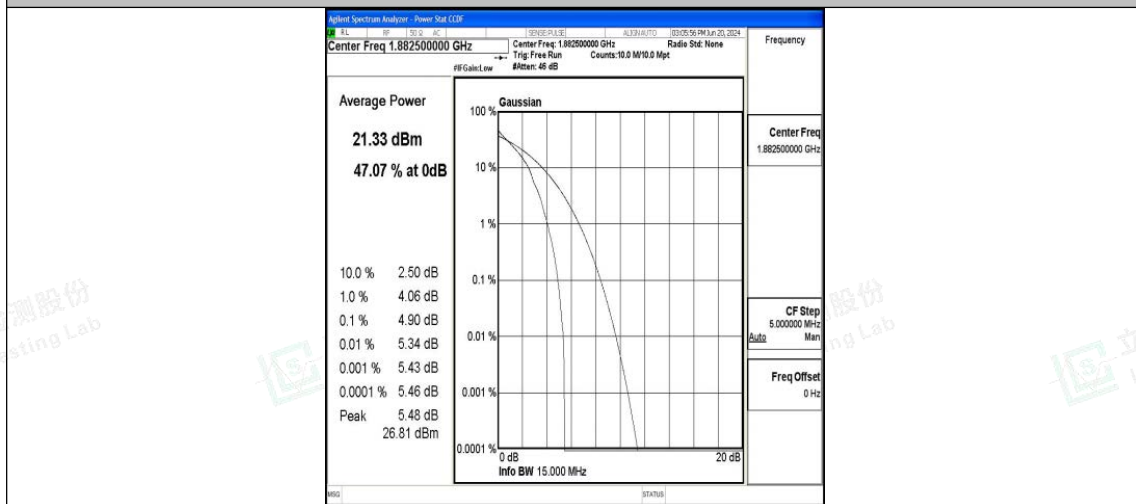


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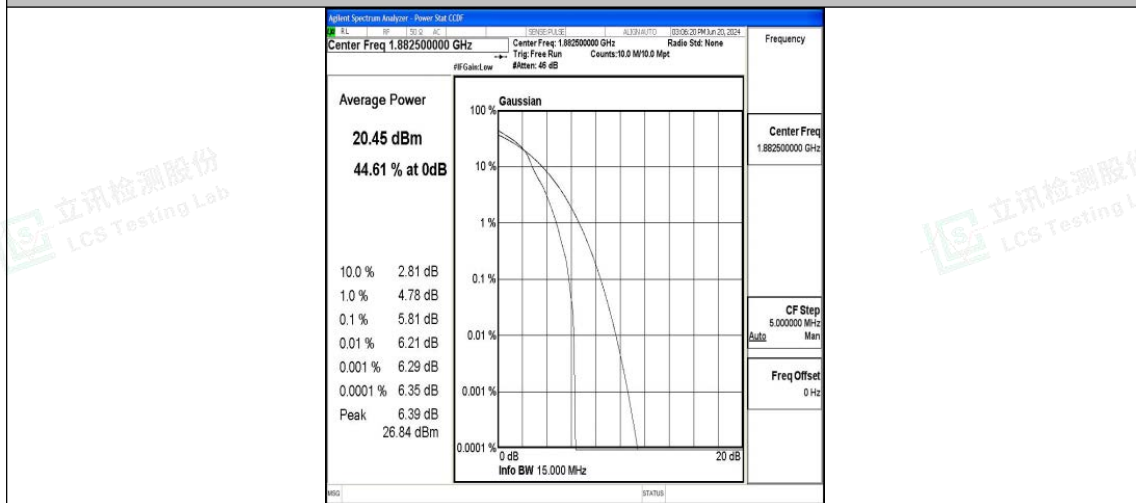




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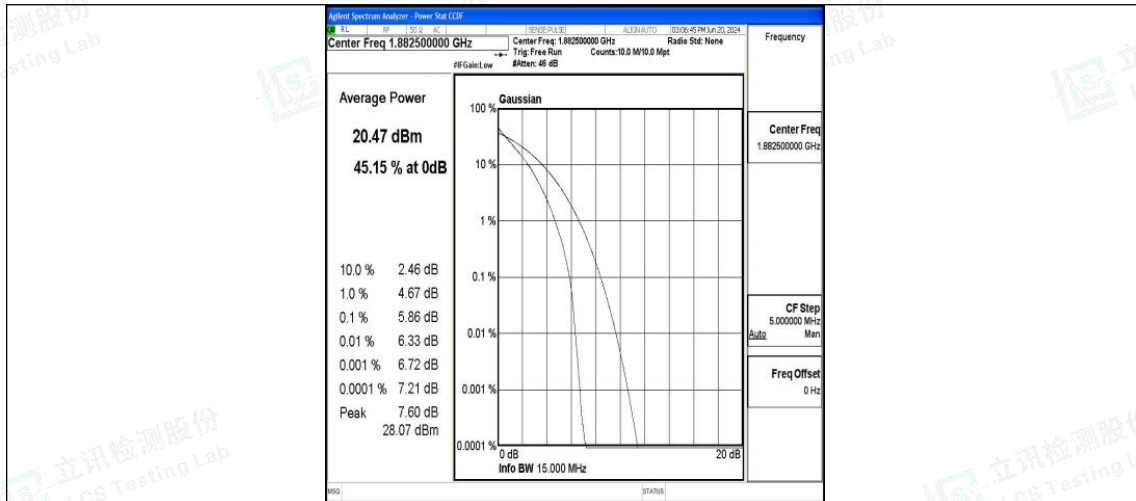


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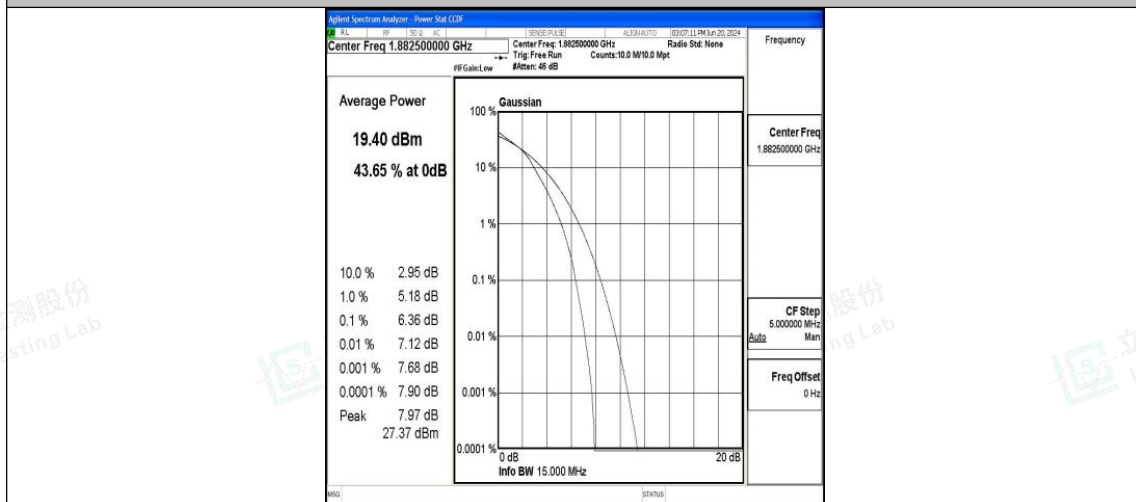


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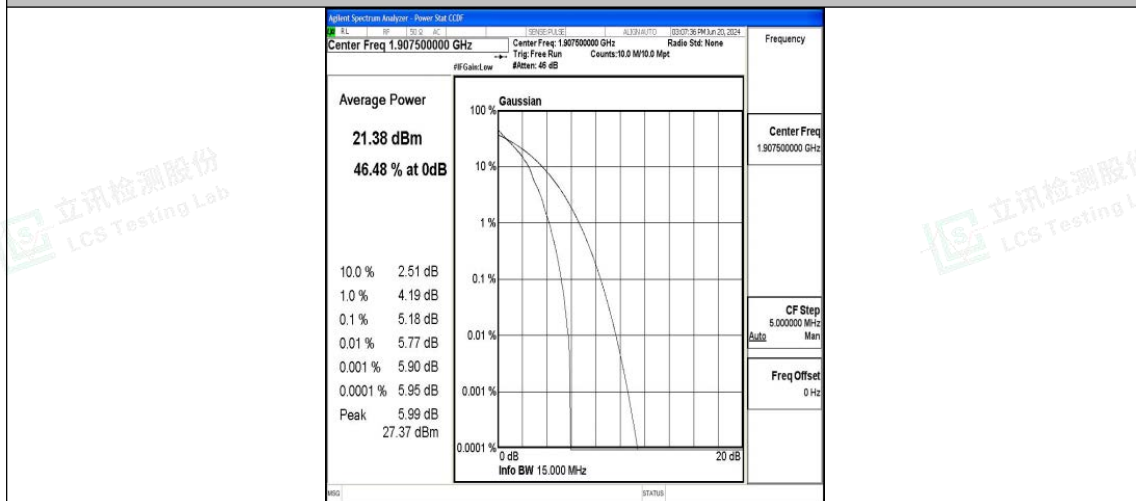




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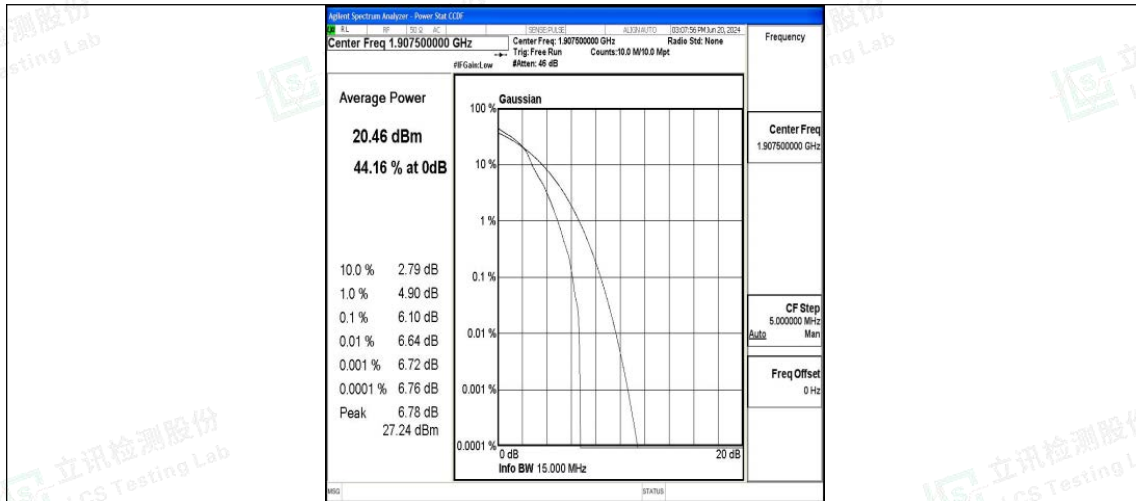


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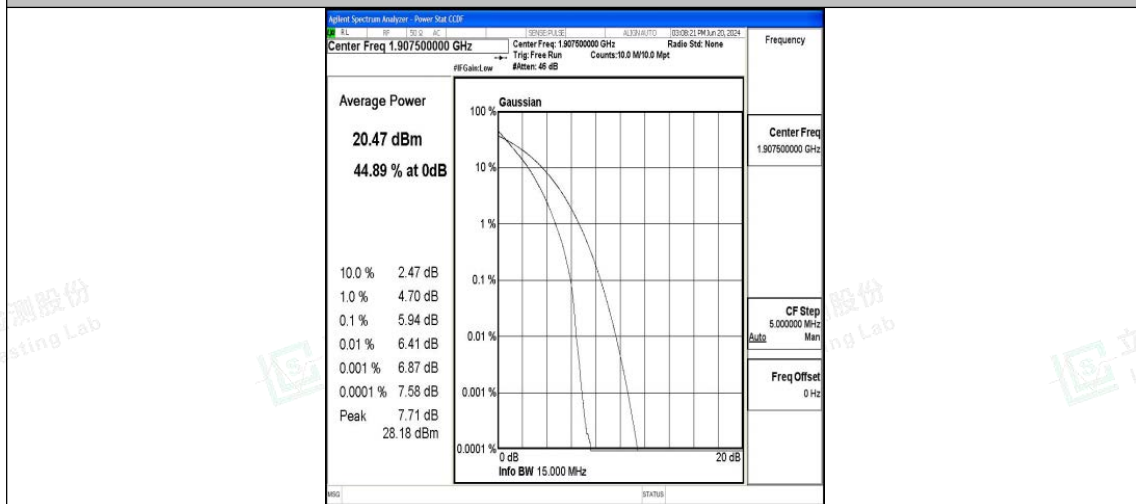


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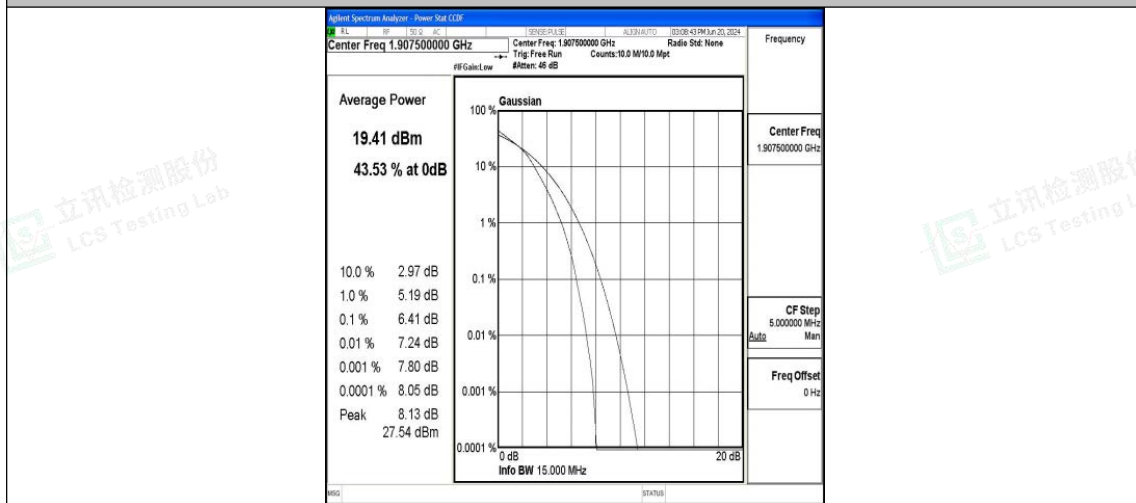




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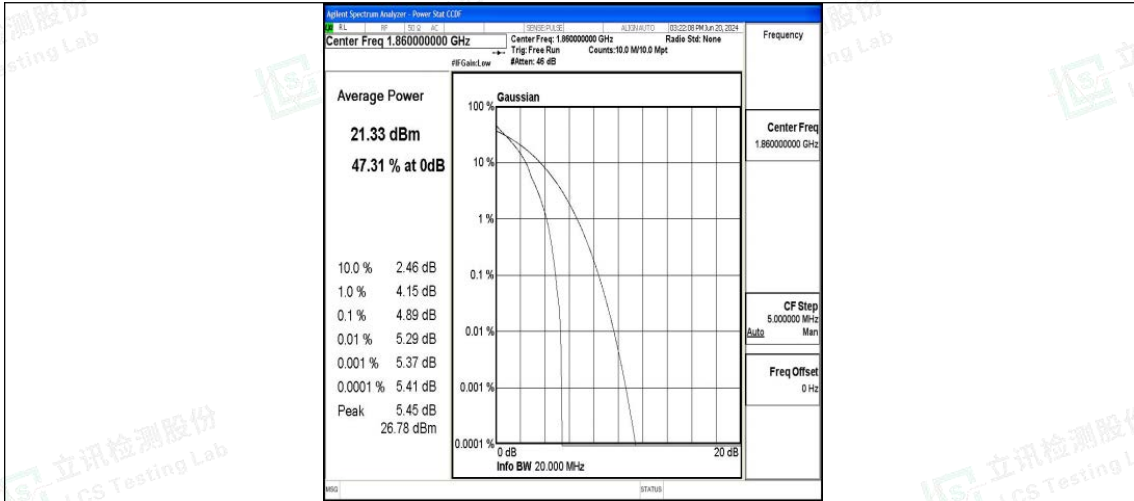


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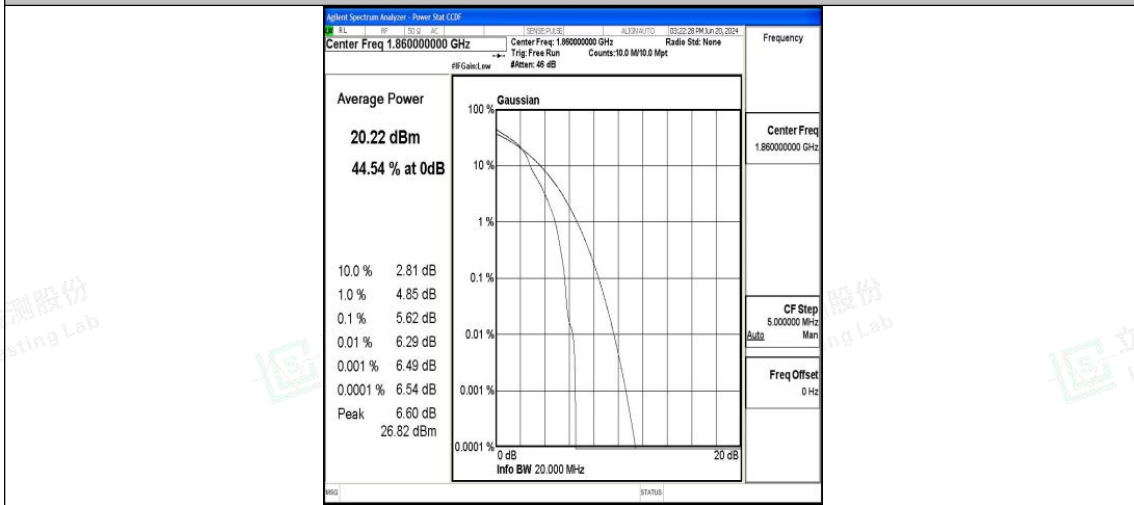


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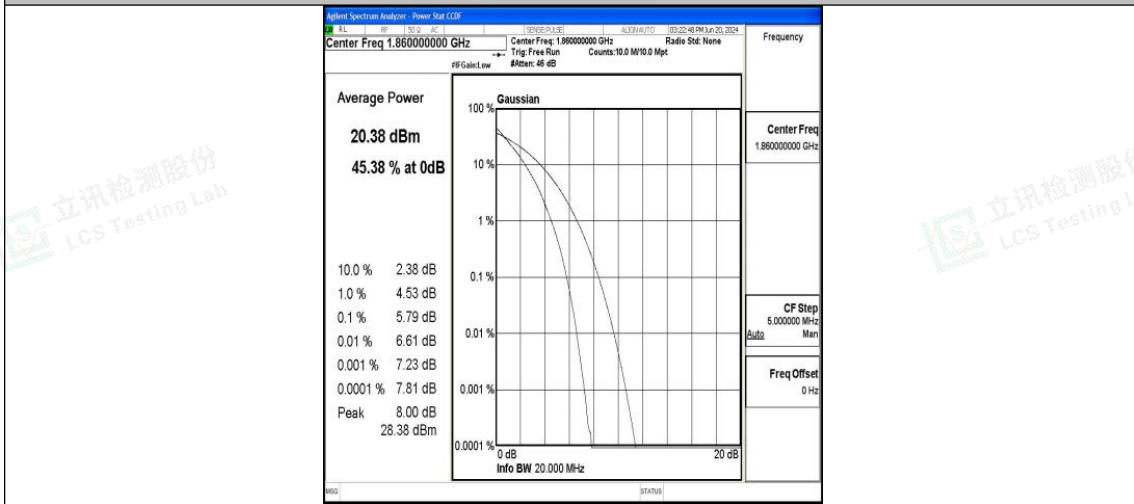




Band25-20MHz-QPSK-26140-1RB#0-PASS

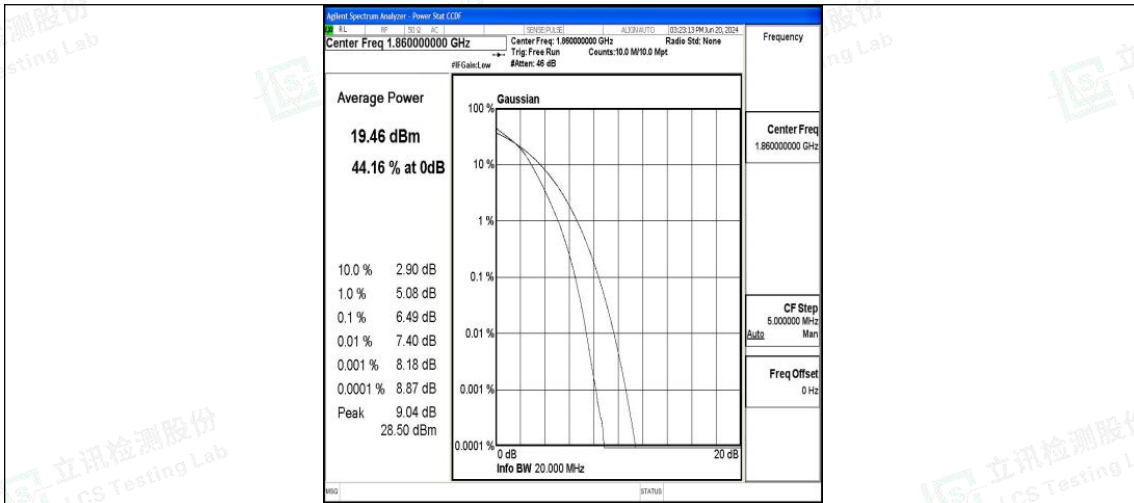


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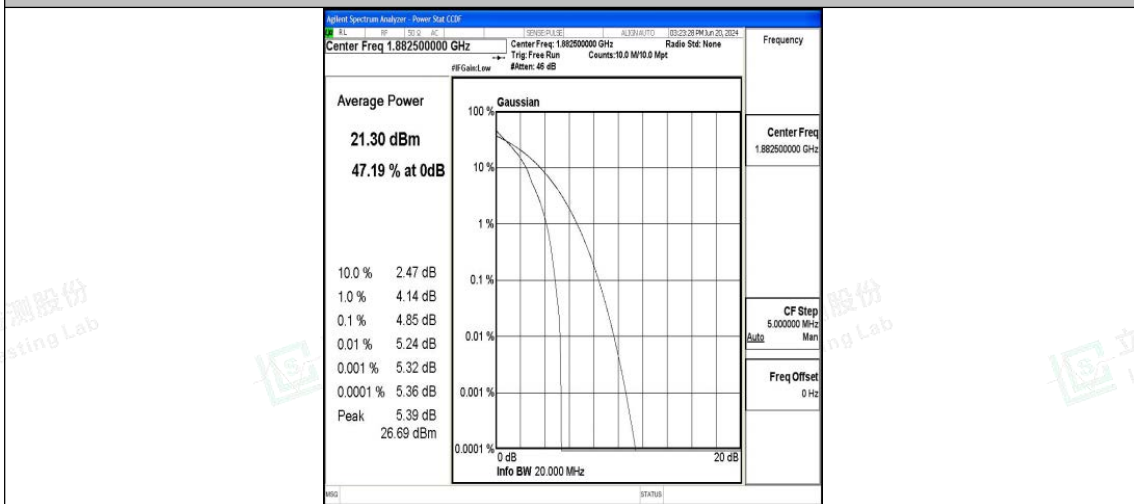


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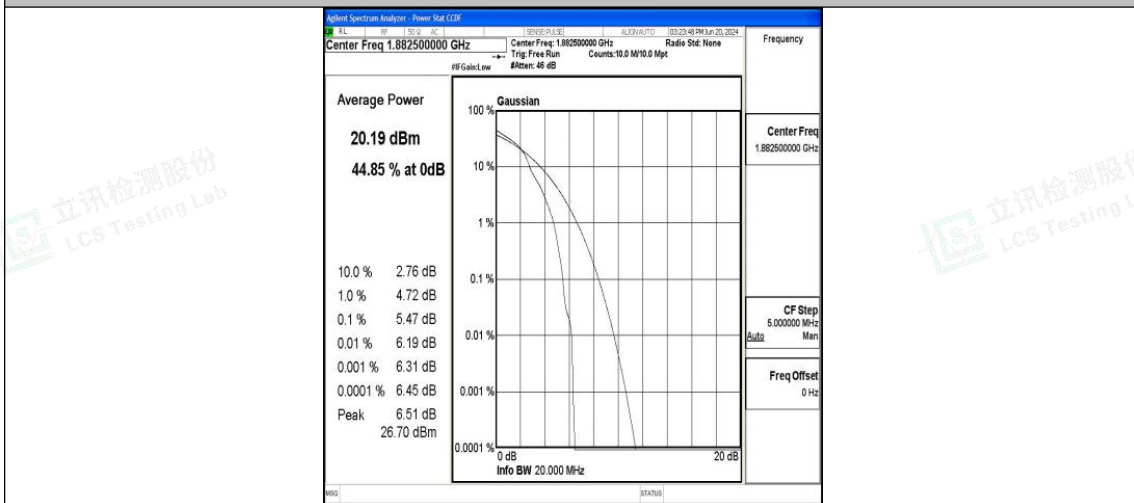




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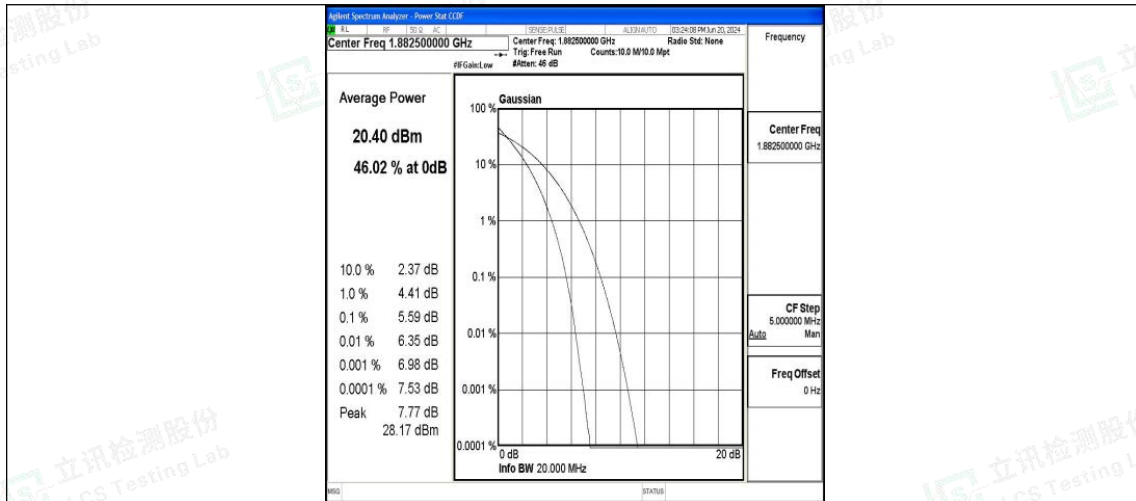


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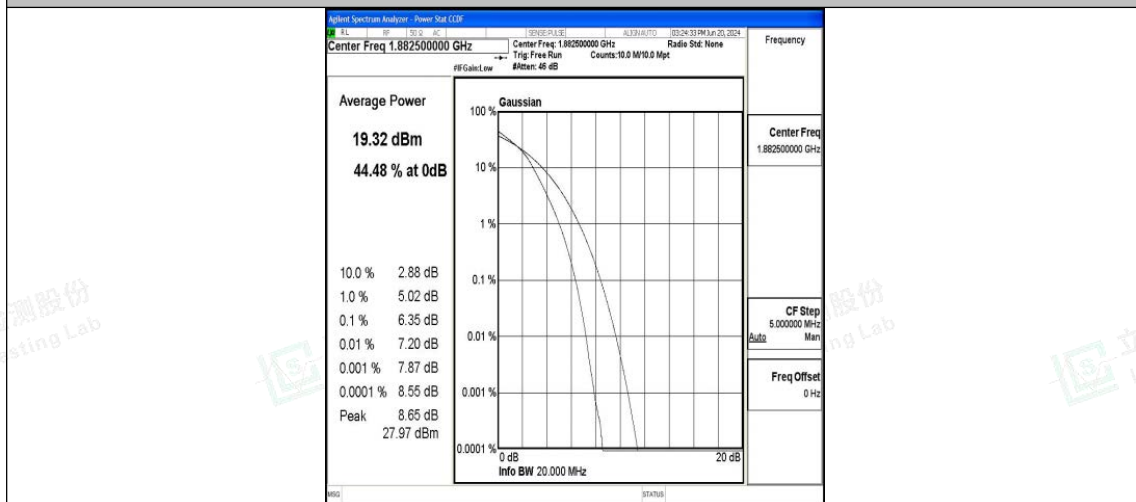


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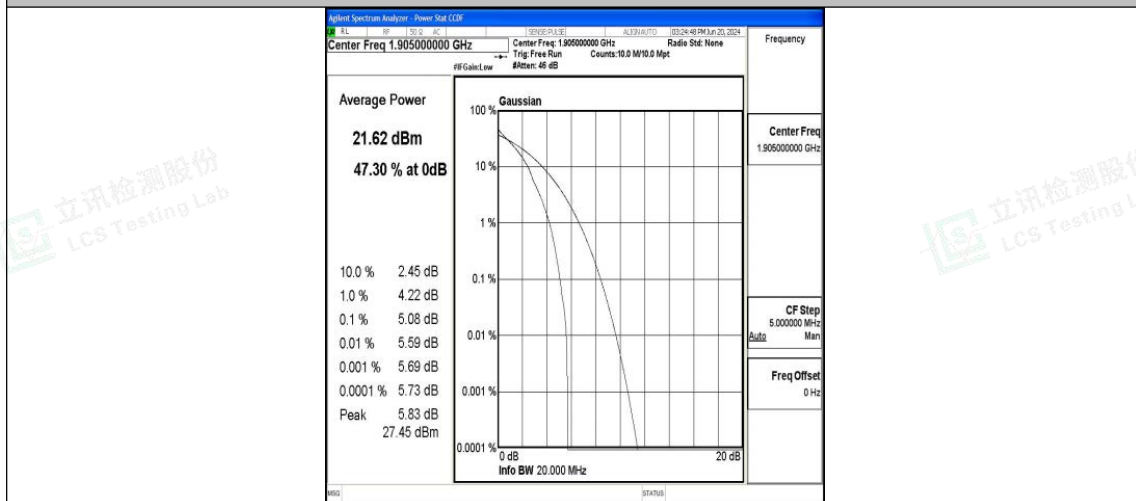




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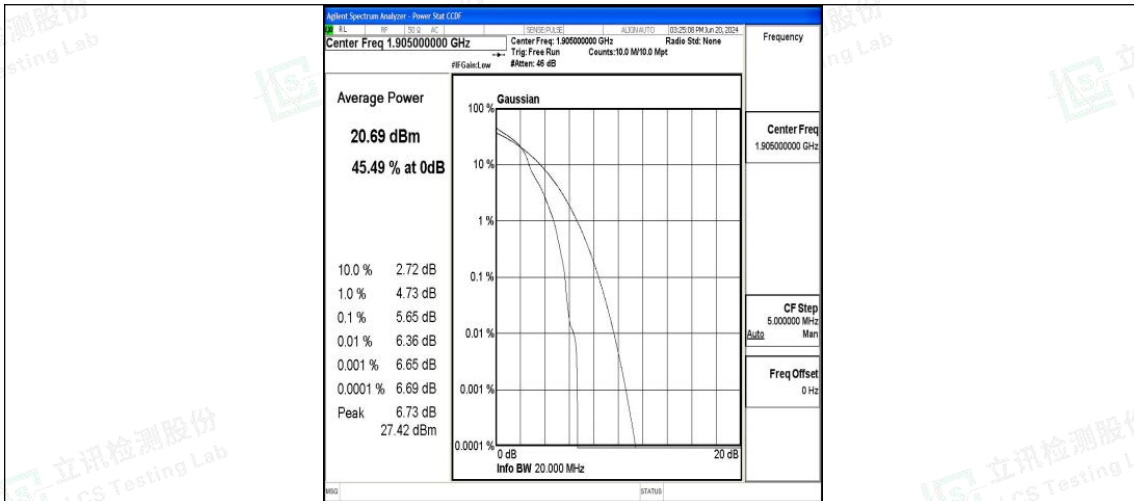


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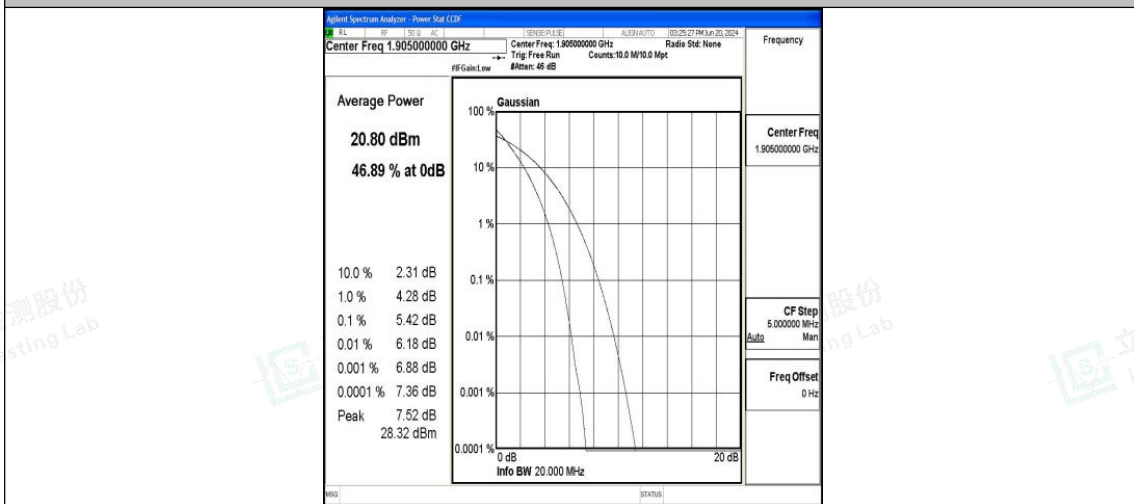


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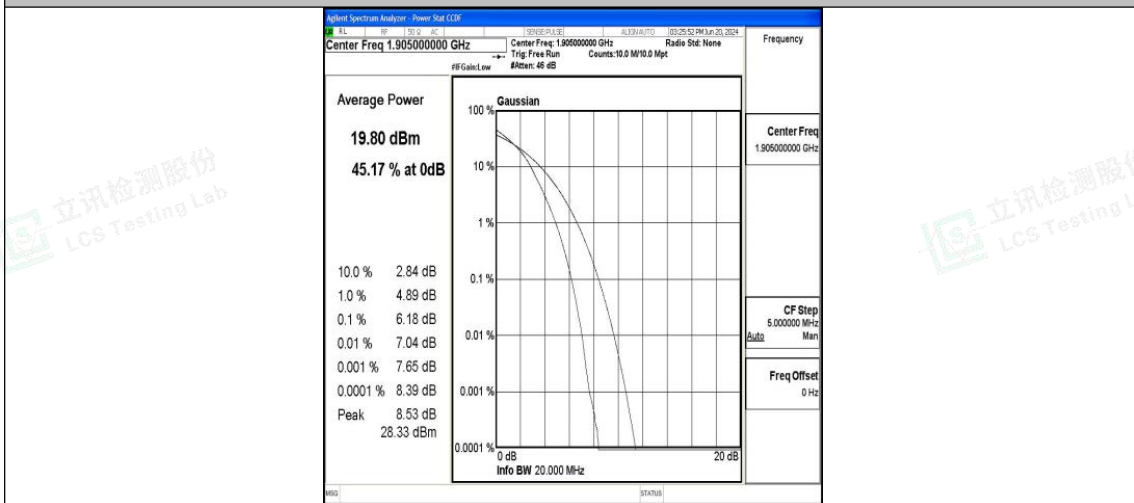




Band25-20MHz-16QAM-26590-1RB#0-PASS



Band25-20MHz-QPSK-26590-100RB#0-PASS



Band25-20MHz-16QAM-26590-100RB#0-PASS





N.3 26dB Bandwidth and Occupied Bandwidth

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band25 | 1.4MHz | QPSK | 26047 | 6RB#0 | 1.0920 | 1.278 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 6RB#0 | 1.0927 | 1.293 | PASS |
| Band25 | 1.4MHz | QPSK | 26365 | 6RB#0 | 1.0920 | 1.289 | PASS |
| Band25 | 1.4MHz | 16QAM | 26365 | 6RB#0 | 1.0939 | 1.269 | PASS |
| Band25 | 1.4MHz | QPSK | 26683 | 6RB#0 | 1.0898 | 1.291 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 6RB#0 | 1.0969 | 1.304 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 15RB#0 | 2.6884 | 2.899 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 15RB#0 | 2.6806 | 2.873 | PASS |
| Band25 | 3MHz | QPSK | 26365 | 15RB#0 | 2.6809 | 2.916 | PASS |
| Band25 | 3MHz | 16QAM | 26365 | 15RB#0 | 2.6764 | 2.895 | PASS |
| Band25 | 3MHz | QPSK | 26675 | 15RB#0 | 2.6847 | 2.890 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 15RB#0 | 2.6771 | 2.880 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 25RB#0 | 4.5086 | 5.180 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 25RB#0 | 4.5148 | 5.112 | PASS |
| Band25 | 5MHz | QPSK | 26365 | 25RB#0 | 4.5145 | 5.170 | PASS |
| Band25 | 5MHz | 16QAM | 26365 | 25RB#0 | 4.5114 | 5.112 | PASS |
| Band25 | 5MHz | QPSK | 26665 | 25RB#0 | 4.5126 | 5.154 | PASS |
| Band25 | 5MHz | 16QAM | 26665 | 25RB#0 | 4.5165 | 5.120 | PASS |
| Band25 | 10MHz | QPSK | 26090 | 50RB#0 | 8.9921 | 10.10 | PASS |
| Band25 | 10MHz | 16QAM | 26090 | 50RB#0 | 8.9920 | 9.980 | PASS |
| Band25 | 10MHz | QPSK | 26365 | 50RB#0 | 9.0004 | 10.12 | PASS |
| Band25 | 10MHz | 16QAM | 26365 | 50RB#0 | 9.0100 | 10.00 | PASS |
| Band25 | 10MHz | QPSK | 26640 | 50RB#0 | 9.0139 | 10.08 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 50RB#0 | 8.9812 | 9.962 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 75RB#0 | 13.546 | 15.18 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 75RB#0 | 13.486 | 14.99 | PASS |
| Band25 | 15MHz | QPSK | 26365 | 75RB#0 | 13.516 | 14.98 | PASS |
| Band25 | 15MHz | 16QAM | 26365 | 75RB#0 | 13.487 | 15.06 | PASS |
| Band25 | 15MHz | QPSK | 26615 | 75RB#0 | 13.513 | 15.13 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 75RB#0 | 13.507 | 14.81 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 100RB#0 | 18.041 | 19.80 | PASS |



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Scan code to check authenticity

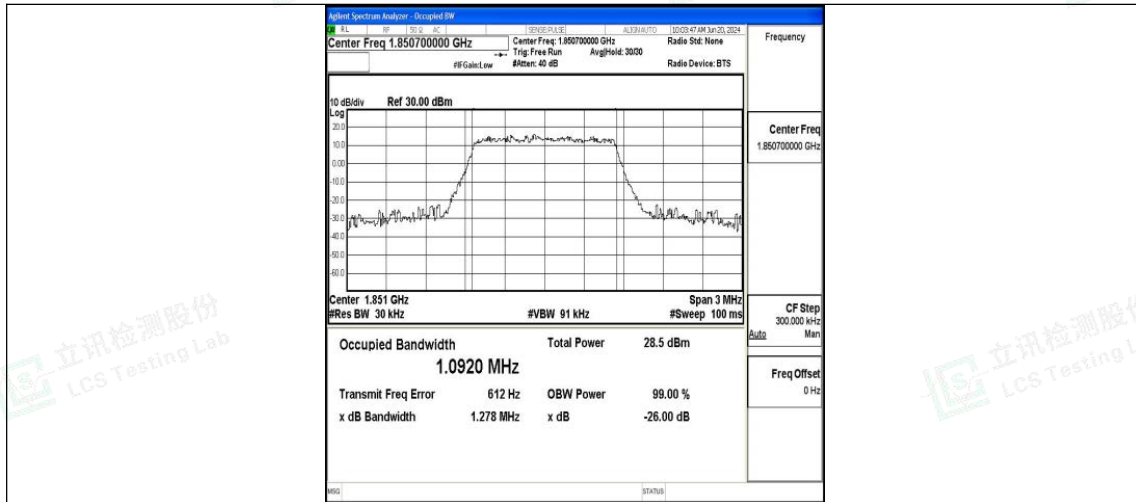


| | | | | | | | |
|--------|-------|-------|-------|---------|--------|-------|------|
| Band25 | 20MHz | 16QAM | 26140 | 100RB#0 | 18.051 | 19.70 | PASS |
| Band25 | 20MHz | QPSK | 26365 | 100RB#0 | 17.968 | 19.66 | PASS |
| Band25 | 20MHz | 16QAM | 26365 | 100RB#0 | 18.008 | 19.62 | PASS |
| Band25 | 20MHz | QPSK | 26590 | 100RB#0 | 17.938 | 19.63 | PASS |
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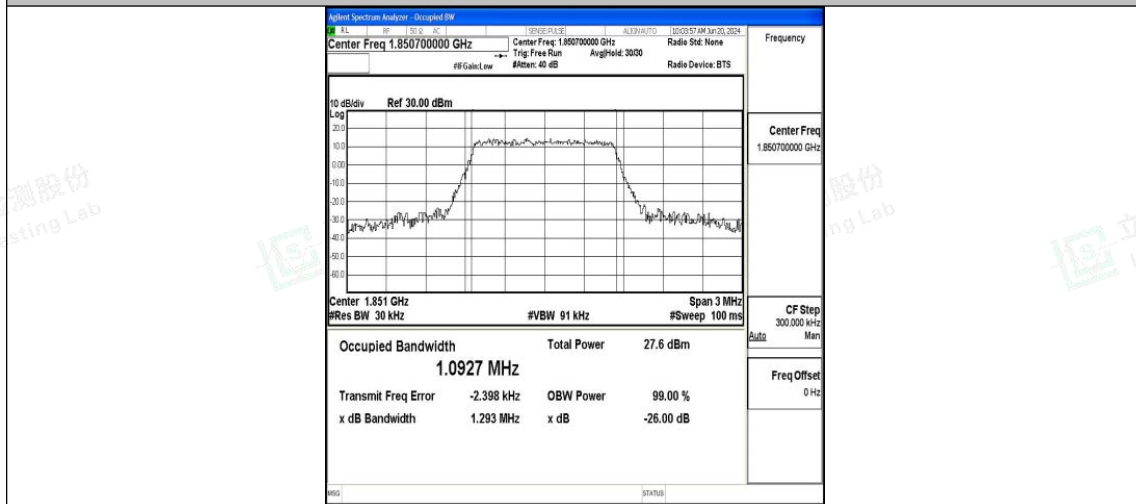




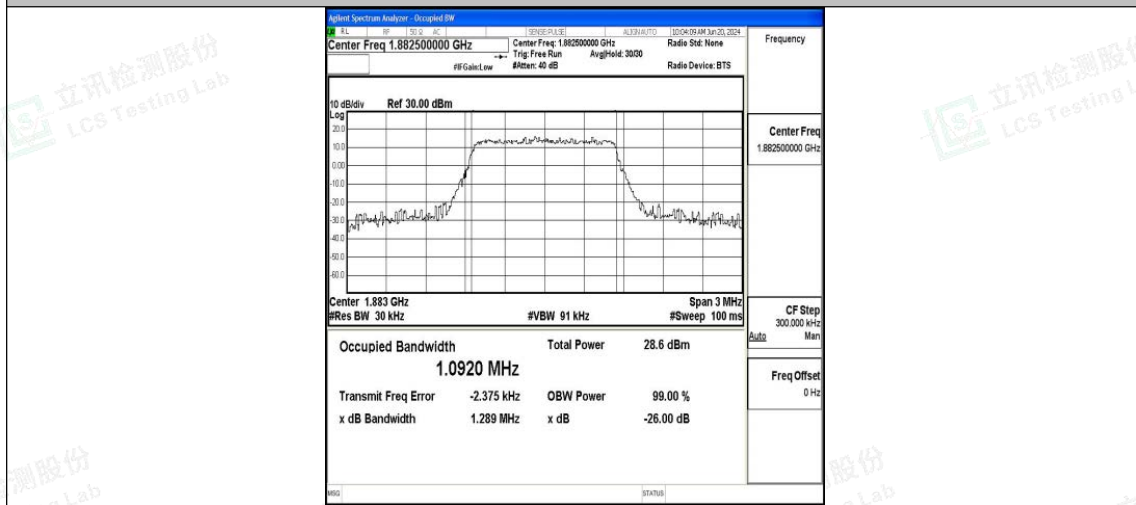
Test Graphs



Band25-1.4MHz-QPSK-26047-6RB#0-PASS

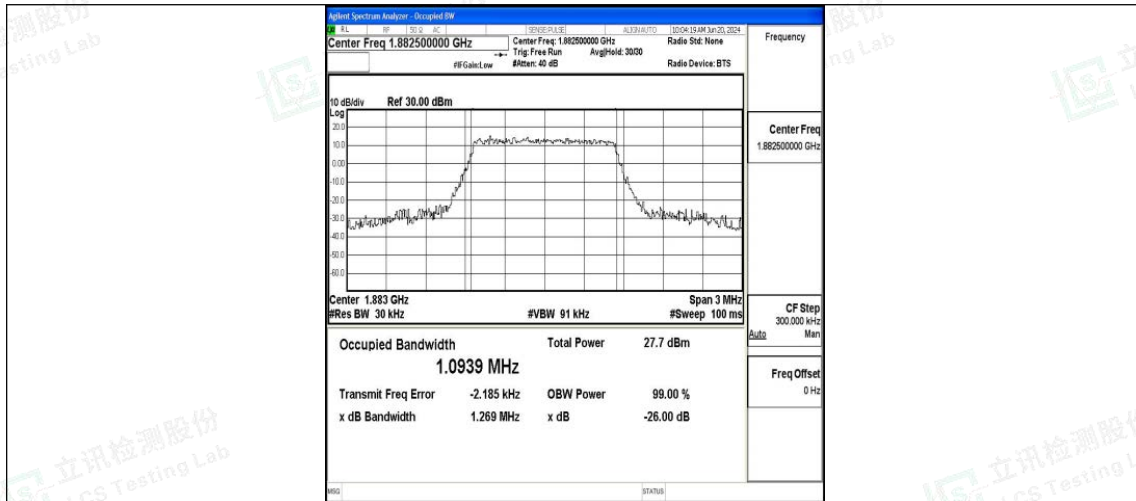


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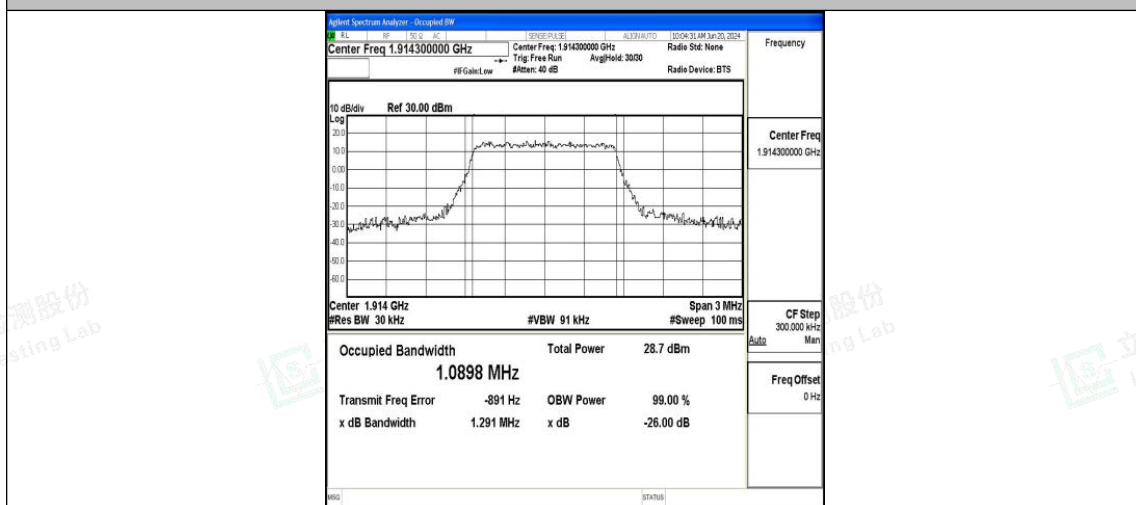


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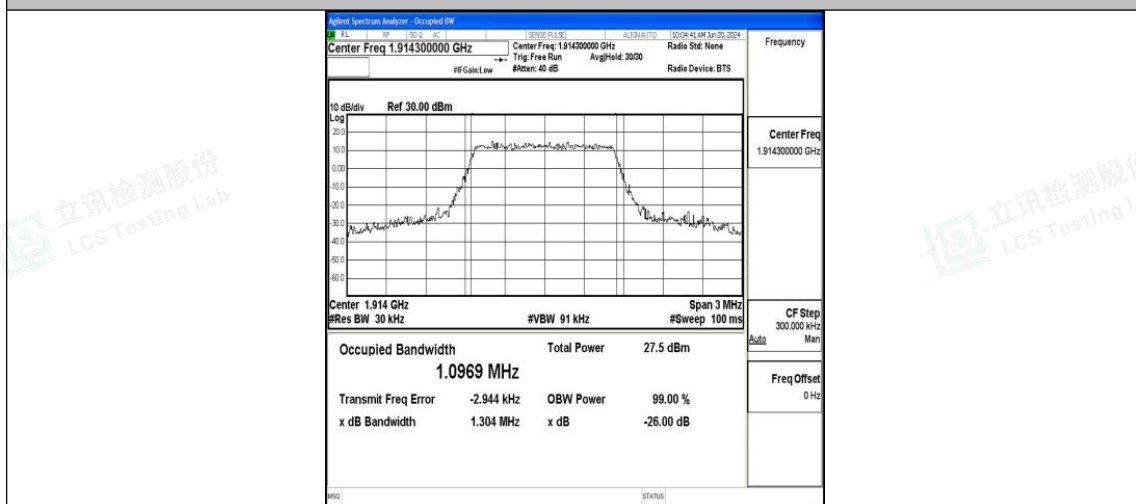




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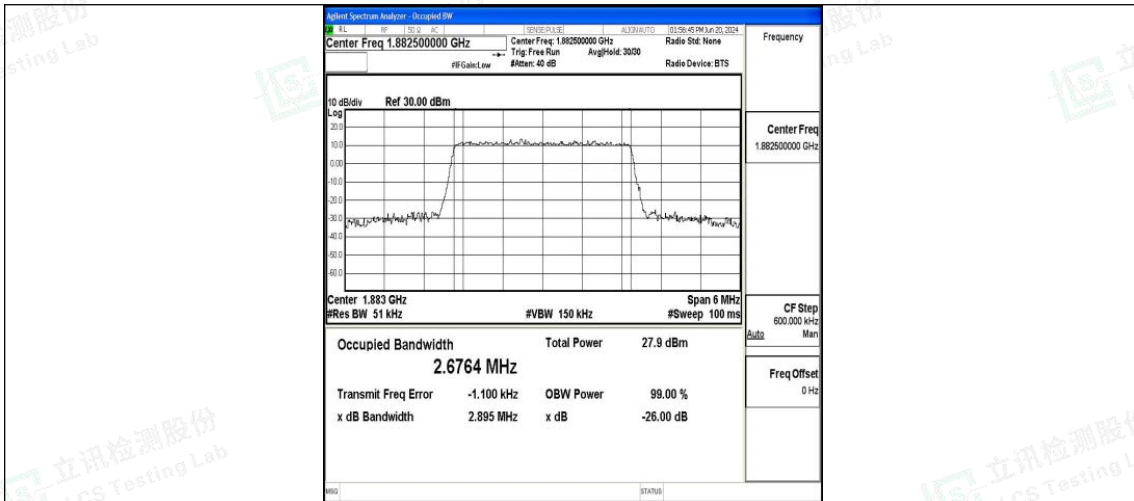


Band25-1.4MHz-QPSK-26683-6RB#0-PASS

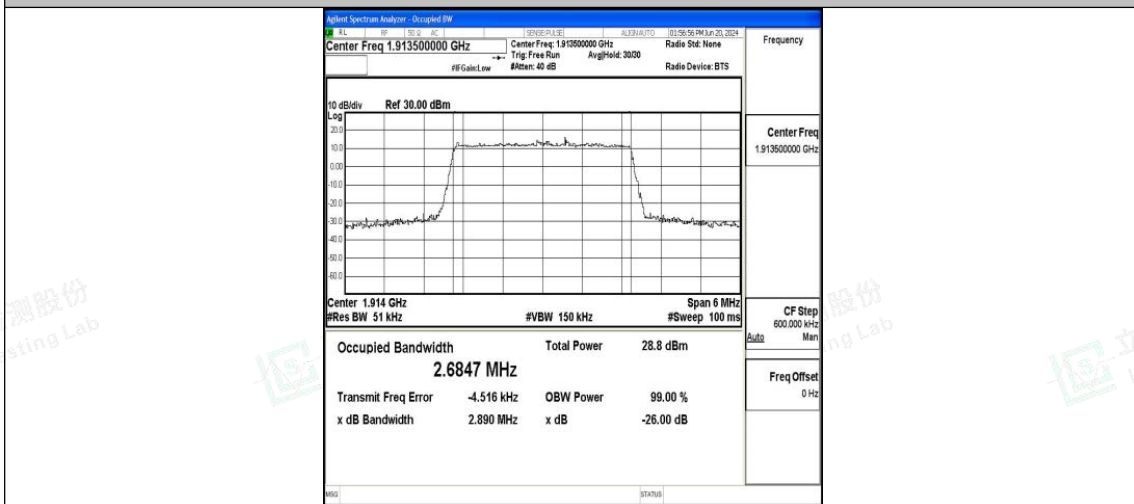


Band25-1.4MHz-16QAM-26683-6RB#0-PASS

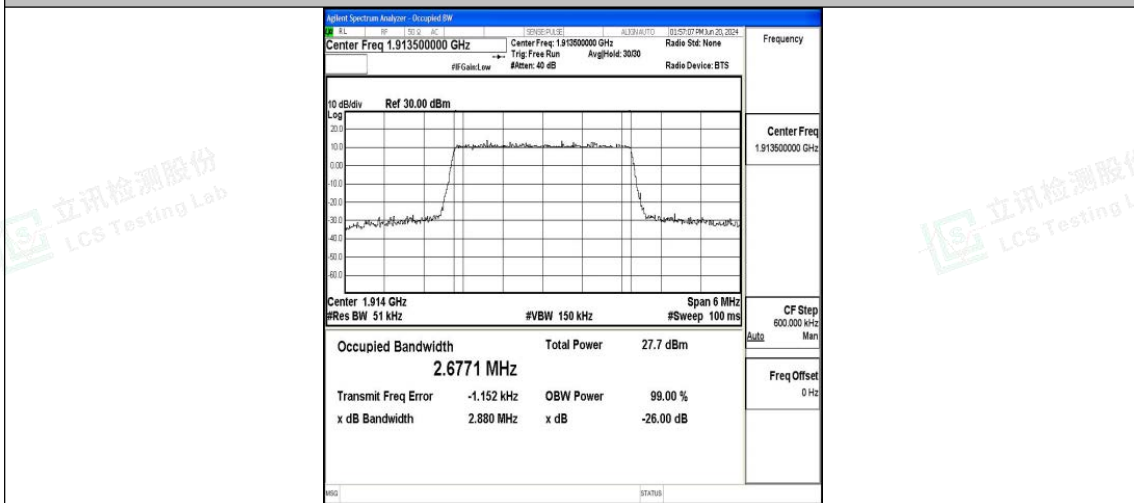




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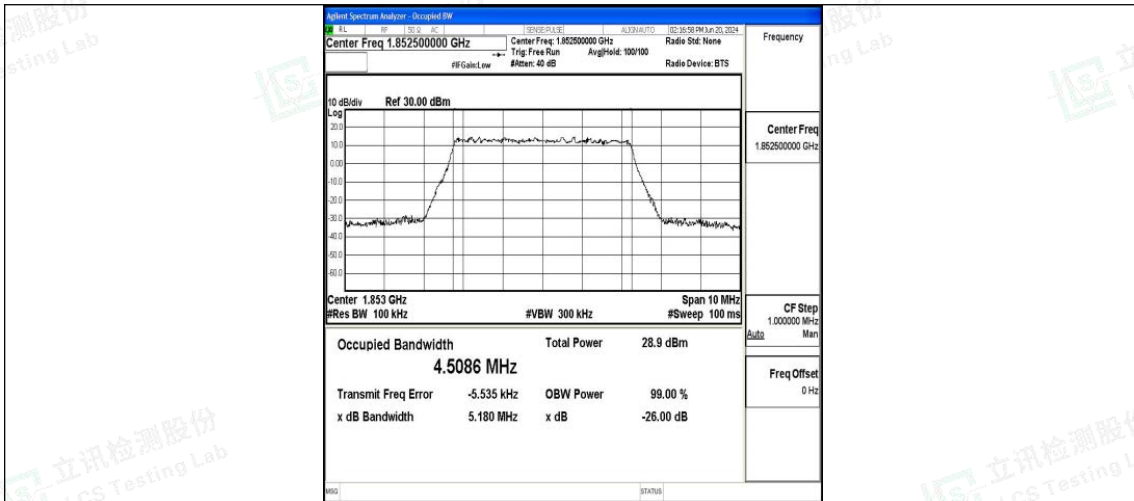


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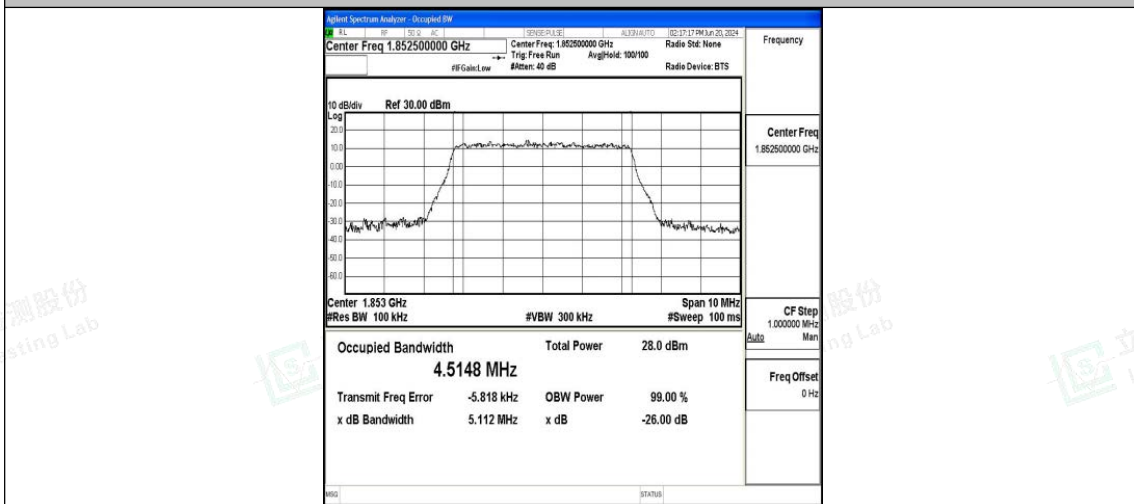


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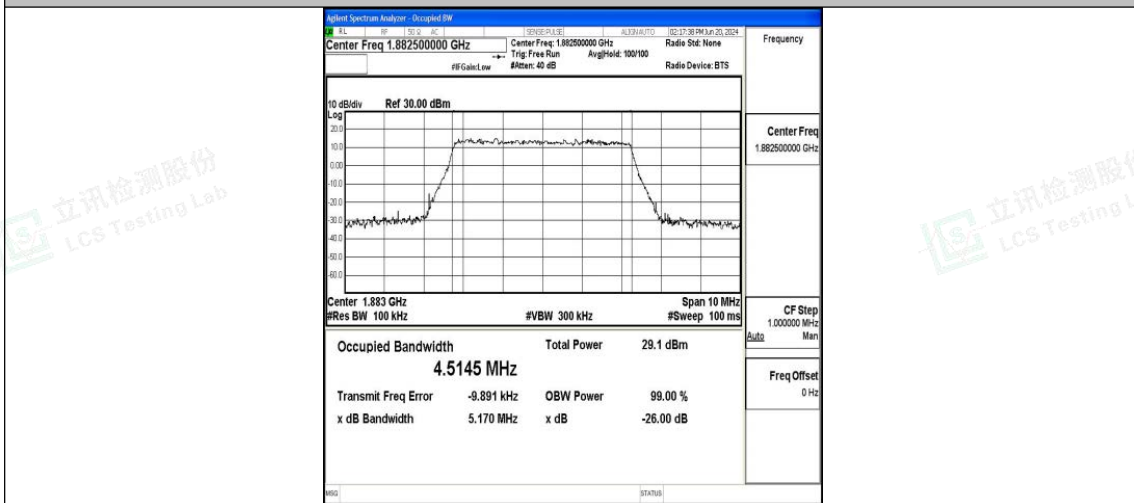




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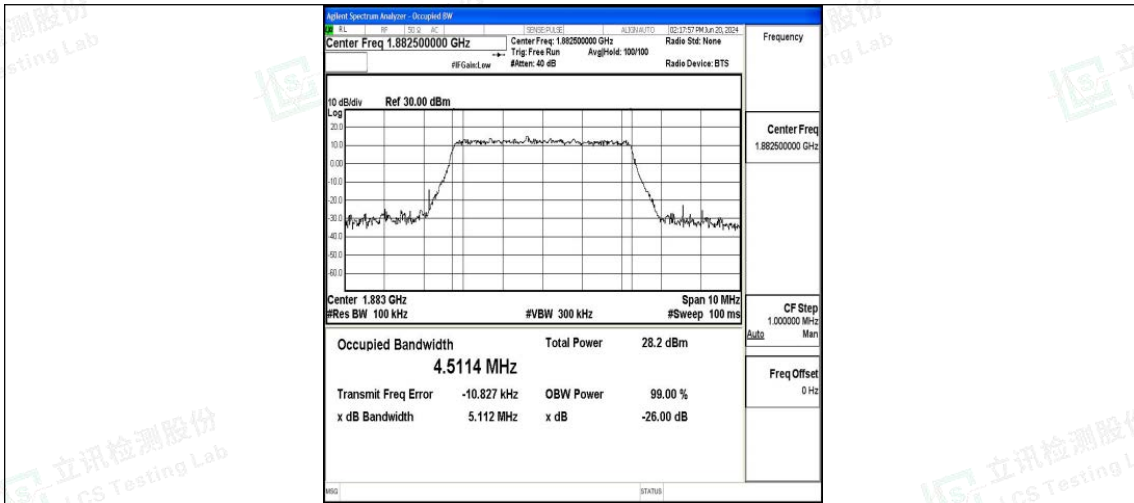


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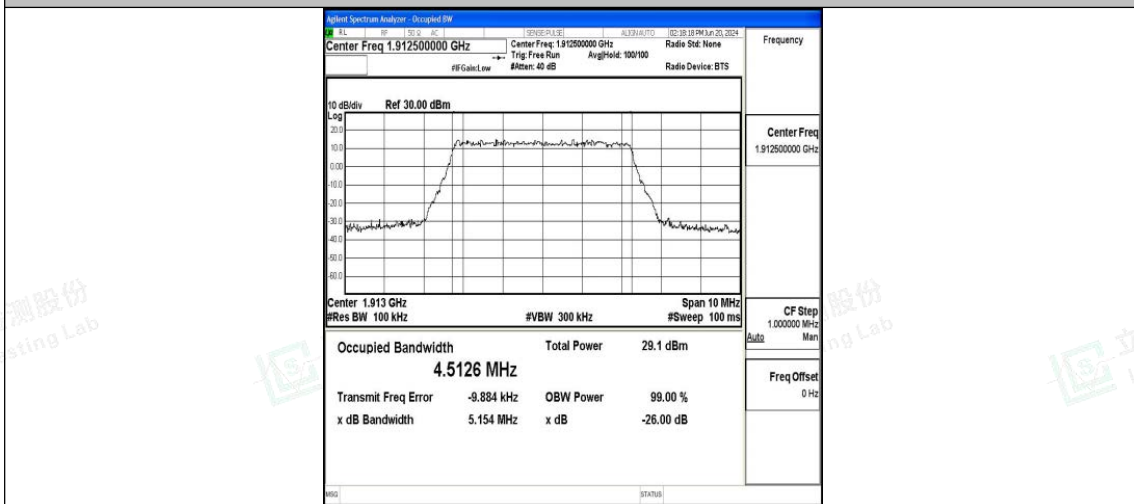


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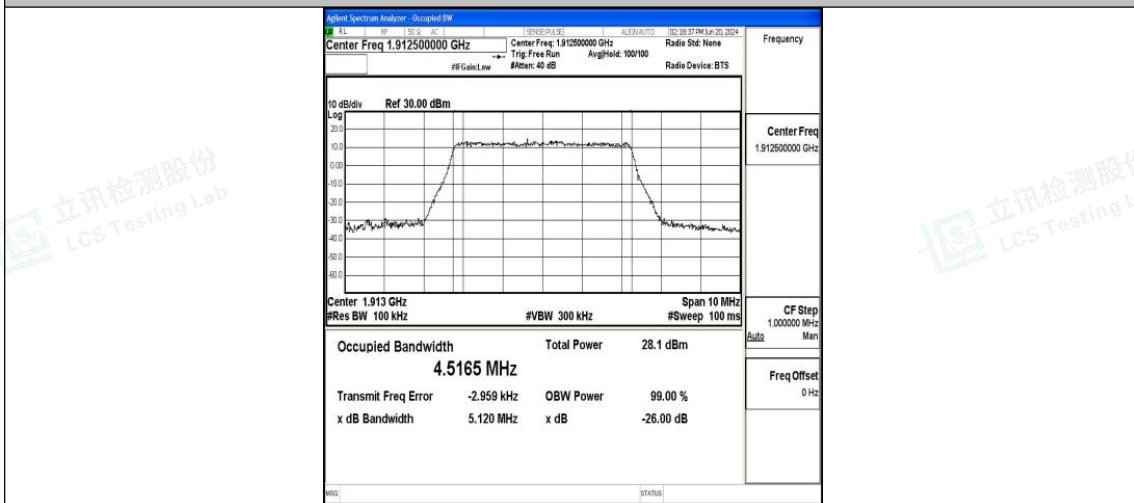




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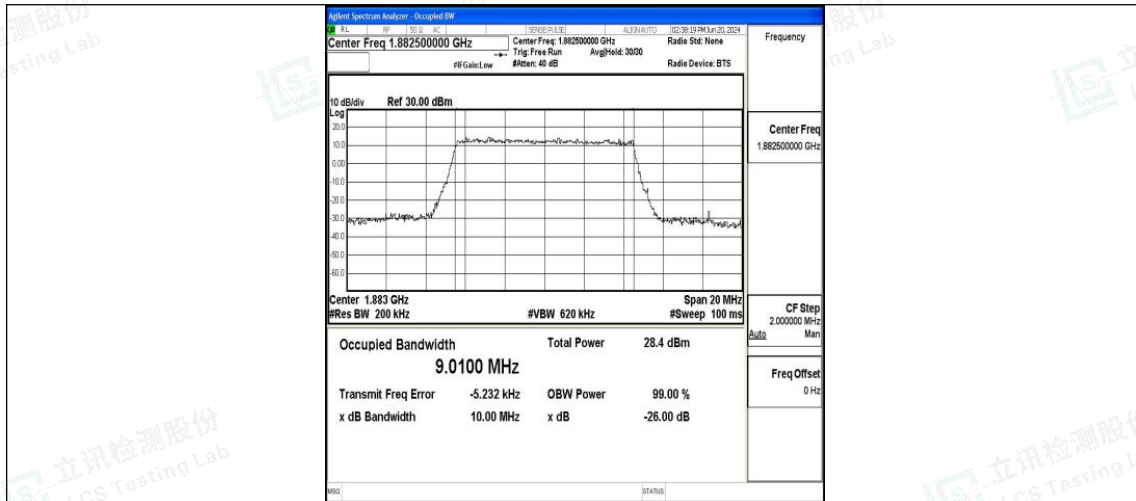


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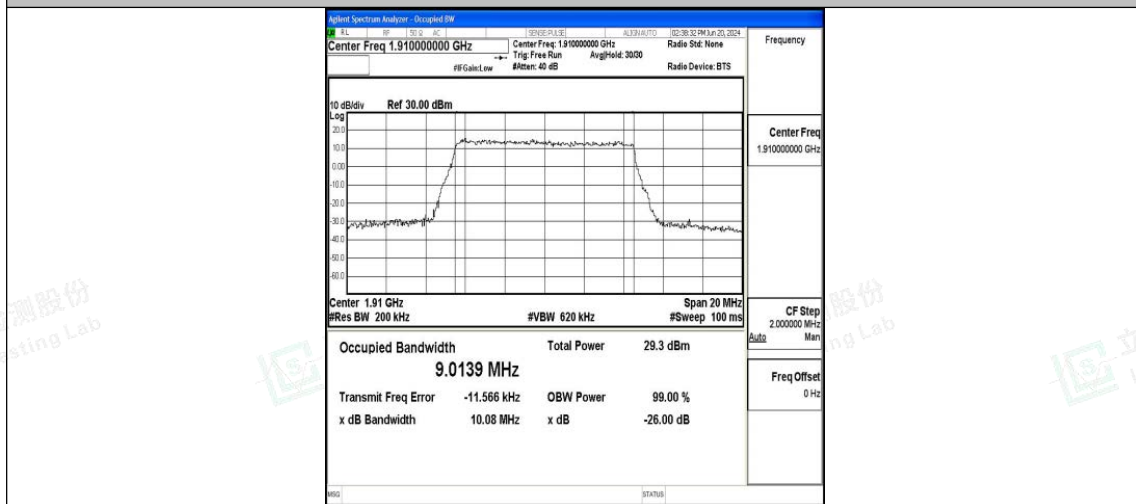


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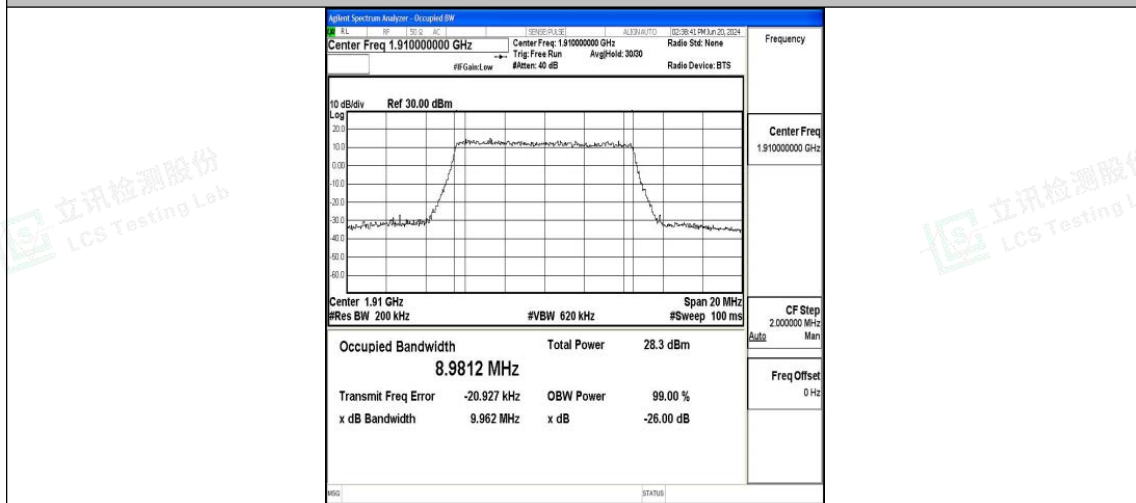




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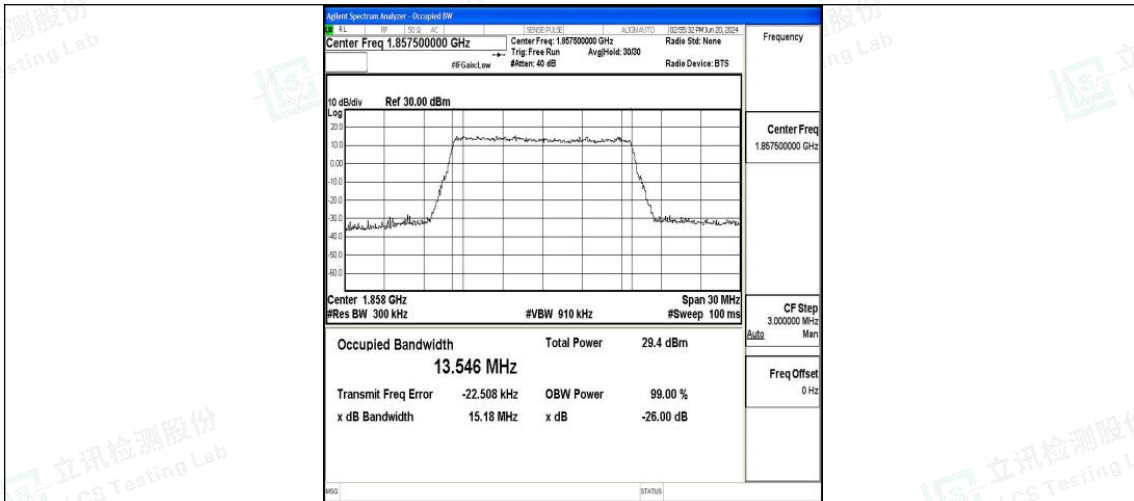


Band25-10MHz-QPSK-26640-50RB#0-PASS

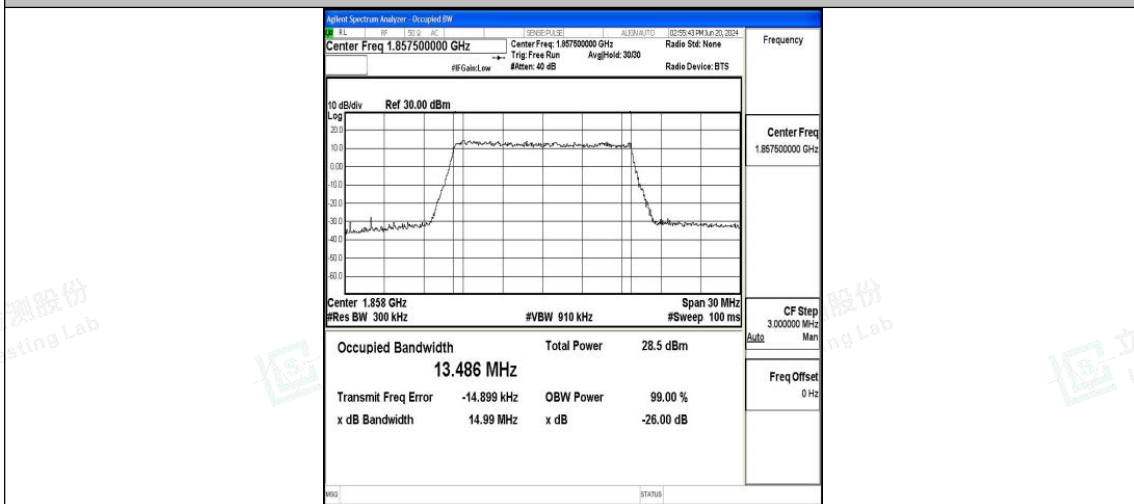


Band25-10MHz-16QAM-26640-50RB#0-PASS

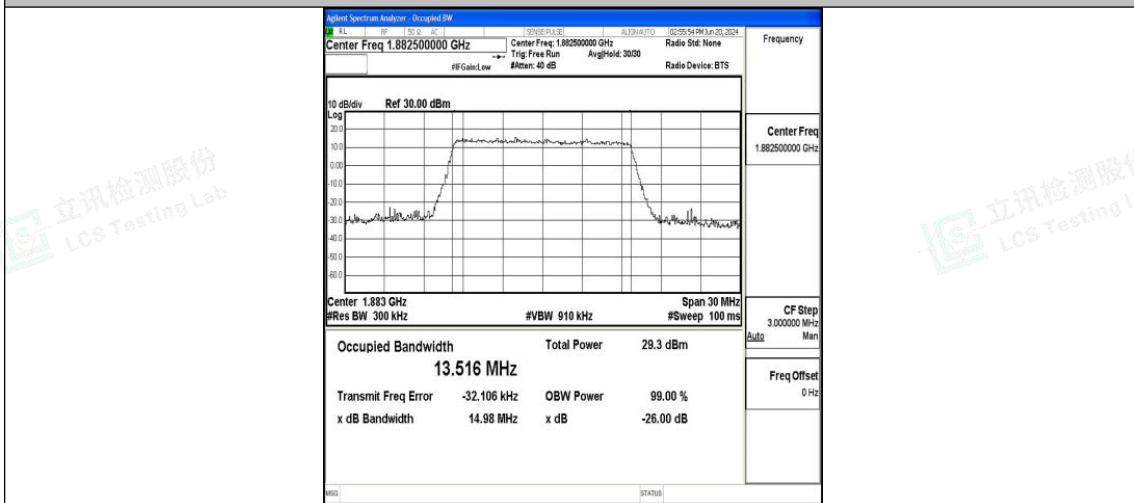




Band25-15MHz-QPSK-26115-75RB#0-PASS

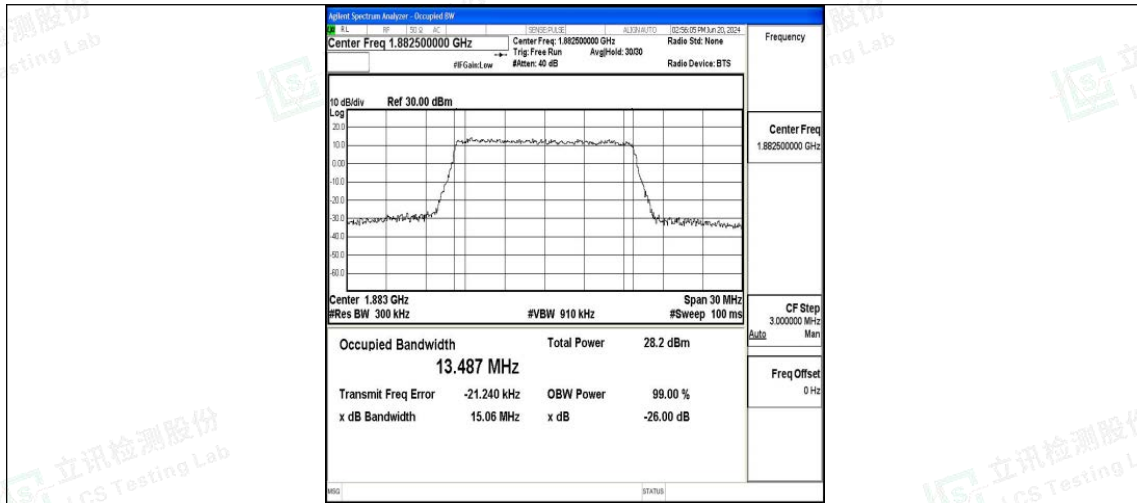


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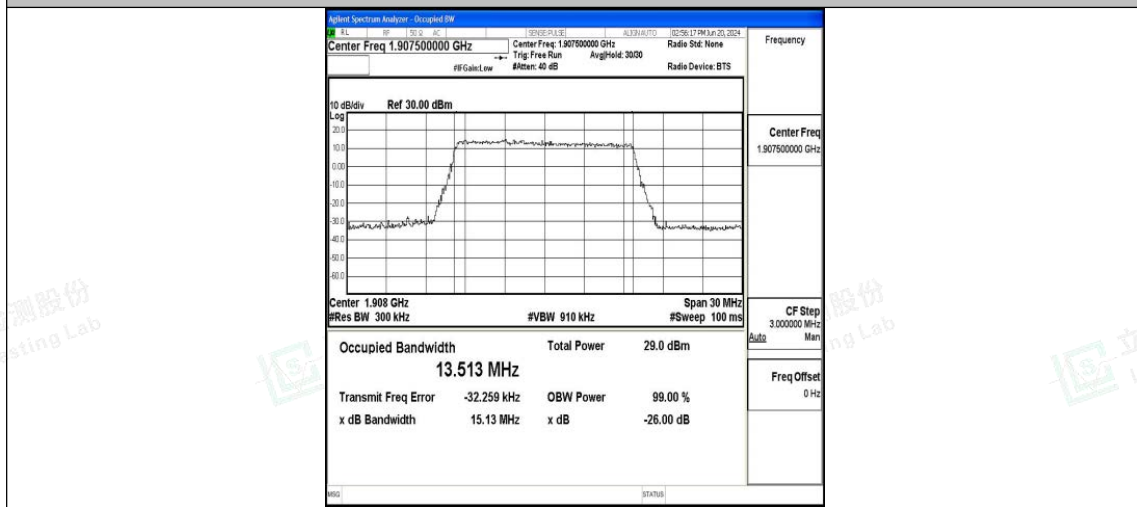


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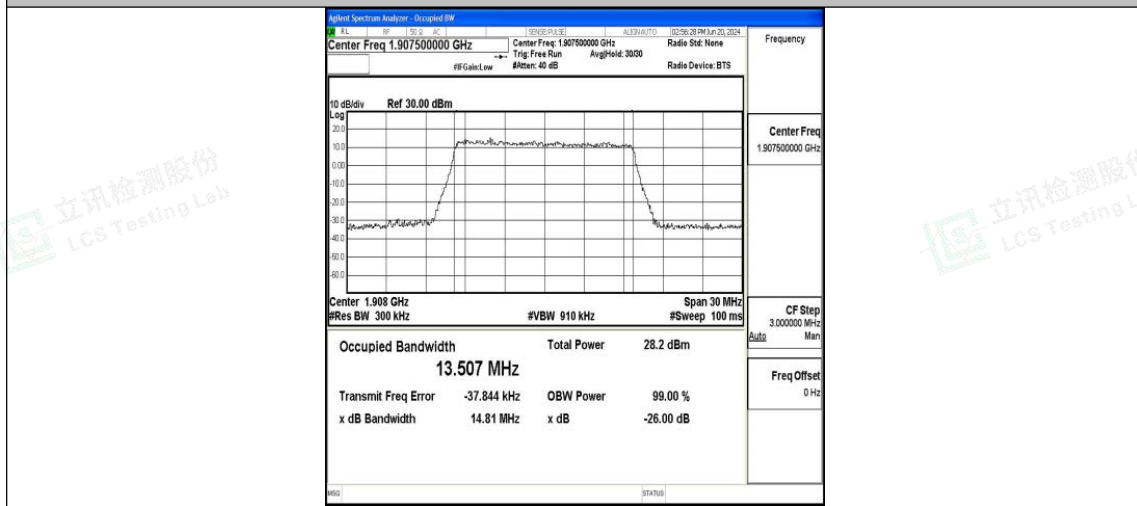




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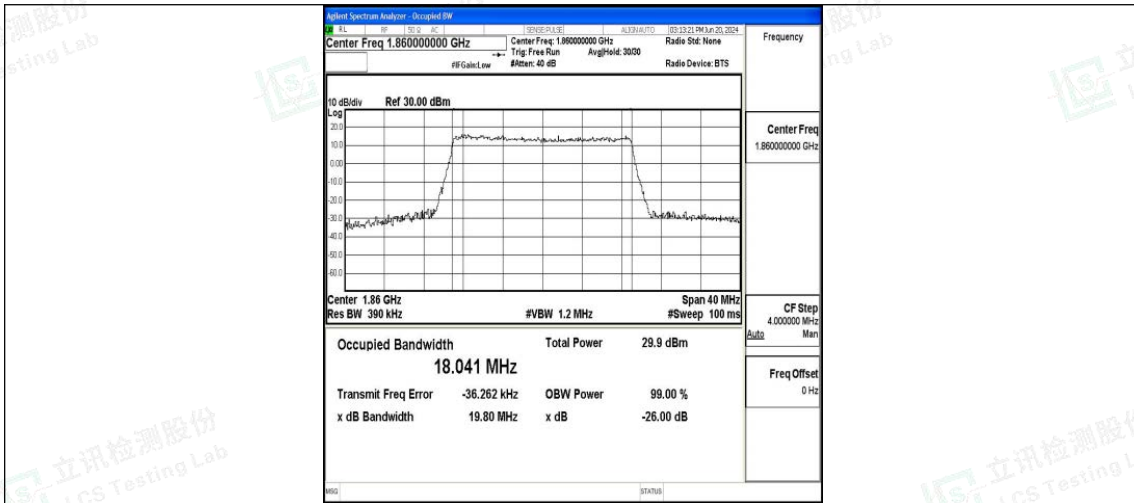


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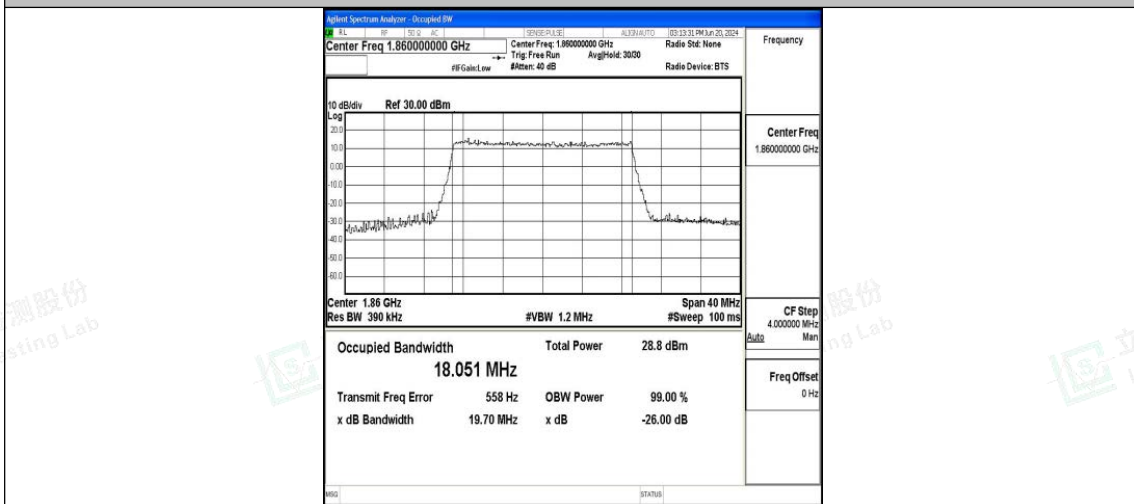


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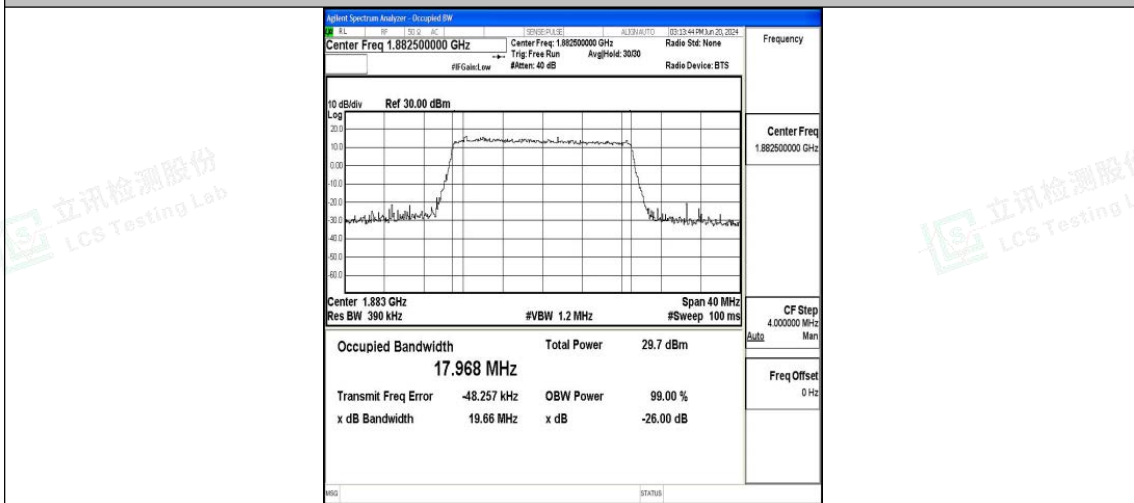




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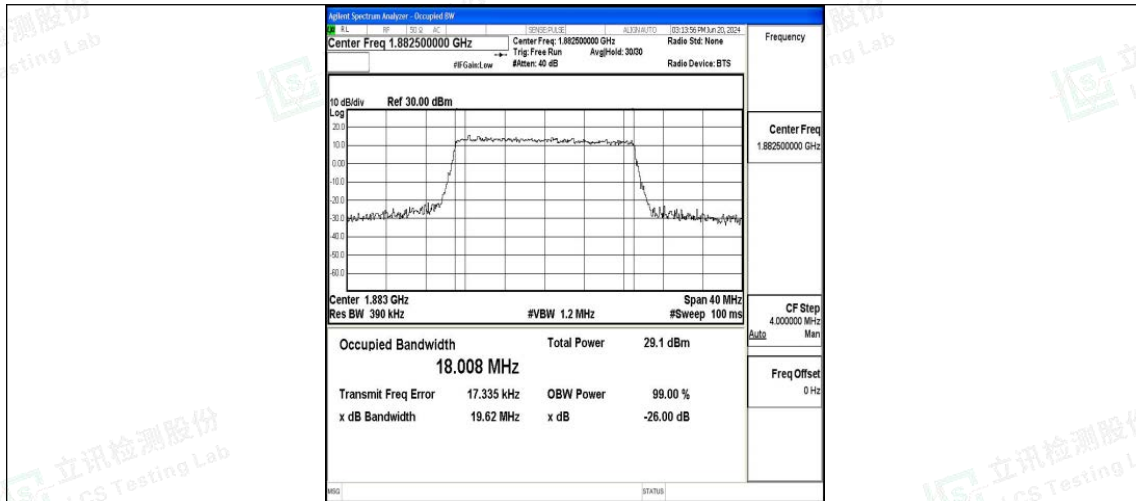


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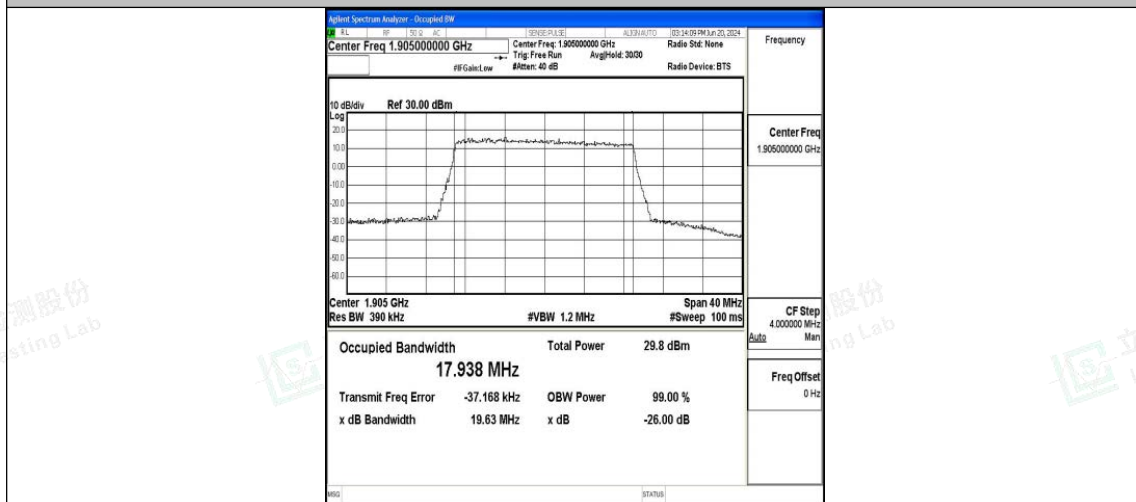


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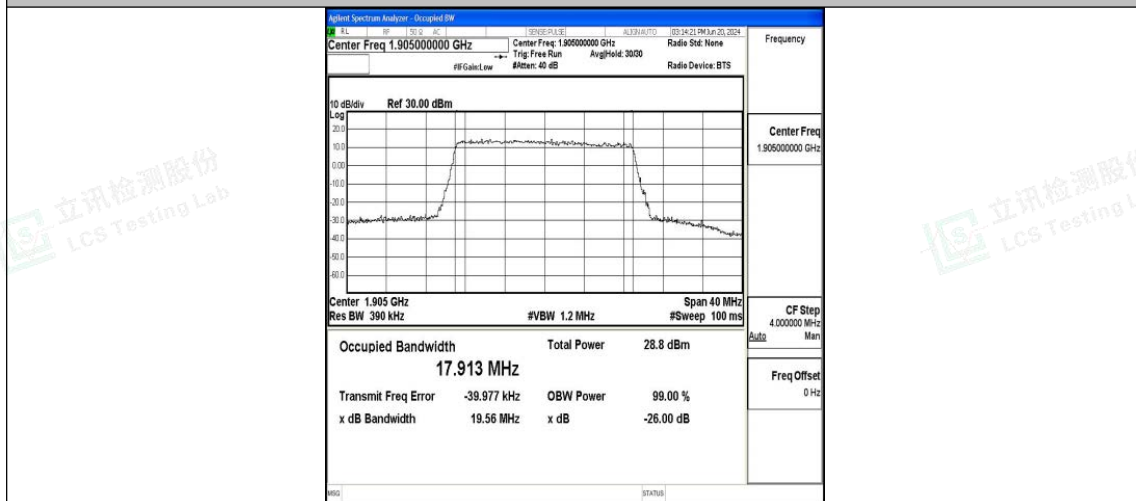




Band25-20MHz-16QAM-26365-100RB#0-PASS



Band25-20MHz-QPSK-26590-100RB#0-PASS



Band25-20MHz-16QAM-26590-100RB#0-PASS





N.4 Band Edge

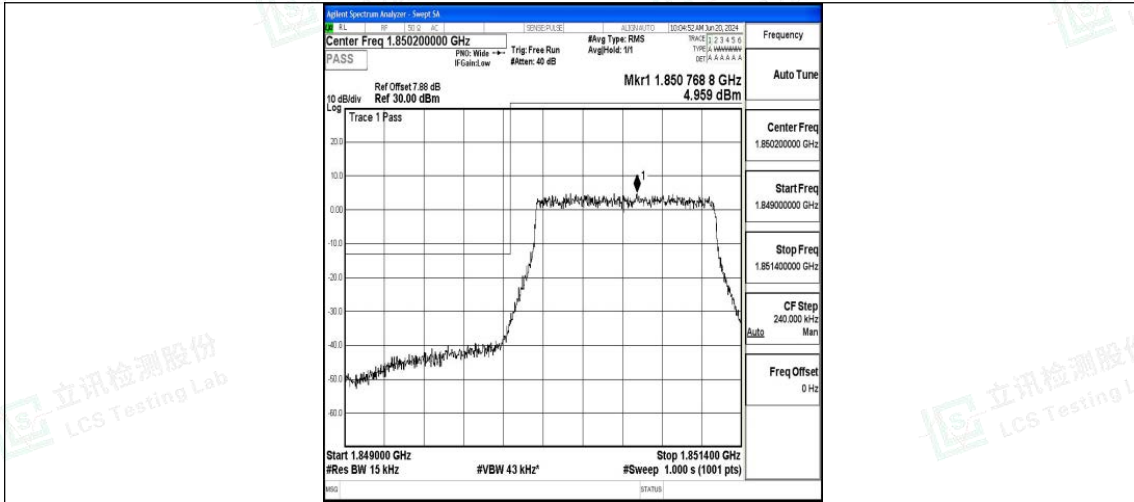
Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Peak Frequency | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|----------------|-------------|---------|
| Band25 | 1.4MHz | QPSK | 26047 | 6RB#0 | 1850.00 | -33.83 | PASS |
| Band25 | 1.4MHz | 16QAM | 26047 | 6RB#0 | 1849.98 | -35.28 | PASS |
| Band25 | 1.4MHz | QPSK | 26683 | 6RB#0 | 1915.00 | -31.53 | PASS |
| Band25 | 1.4MHz | 16QAM | 26683 | 6RB#0 | 1915.01 | -33.74 | PASS |
| Band25 | 3MHz | QPSK | 26055 | 15RB#0 | 1850.00 | -33.97 | PASS |
| Band25 | 3MHz | 16QAM | 26055 | 15RB#0 | 1849.99 | -36.36 | PASS |
| Band25 | 3MHz | QPSK | 26675 | 15RB#0 | 1915.00 | -34.72 | PASS |
| Band25 | 3MHz | 16QAM | 26675 | 15RB#0 | 1915.00 | -34.74 | PASS |
| Band25 | 5MHz | QPSK | 26065 | 25RB#0 | 1849.99 | -28.73 | PASS |
| Band25 | 5MHz | 16QAM | 26065 | 25RB#0 | 1849.99 | -27.83 | PASS |
| Band25 | 5MHz | QPSK | 26665 | 25RB#0 | 1915.03 | -28.74 | PASS |
| Band25 | 5MHz | 16QAM | 26665 | 25RB#0 | 1915.05 | -30.19 | PASS |
| Band25 | 10MHz | QPSK | 26090 | 50RB#0 | 1849.99 | -30.79 | PASS |
| Band25 | 10MHz | 16QAM | 26090 | 50RB#0 | 1849.99 | -34.18 | PASS |
| Band25 | 10MHz | QPSK | 26640 | 50RB#0 | 1915.03 | -35.13 | PASS |
| Band25 | 10MHz | 16QAM | 26640 | 50RB#0 | 1915.03 | -34.86 | PASS |
| Band25 | 15MHz | QPSK | 26115 | 75RB#0 | 1849.94 | -34.77 | PASS |
| Band25 | 15MHz | 16QAM | 26115 | 75RB#0 | 1849.99 | -33.90 | PASS |
| Band25 | 15MHz | QPSK | 26615 | 75RB#0 | 1915.01 | -34.96 | PASS |
| Band25 | 15MHz | 16QAM | 26615 | 75RB#0 | 1915.02 | -35.49 | PASS |
| Band25 | 20MHz | QPSK | 26140 | 100RB#0 | 1849.95 | -36.40 | PASS |
| Band25 | 20MHz | 16QAM | 26140 | 100RB#0 | 1849.99 | -38.89 | PASS |
| Band25 | 20MHz | QPSK | 26590 | 100RB#0 | 1915.01 | -37.83 | PASS |
| Band25 | 20MHz | 16QAM | 26590 | 100RB#0 | 1915.01 | -38.61 | PASS |

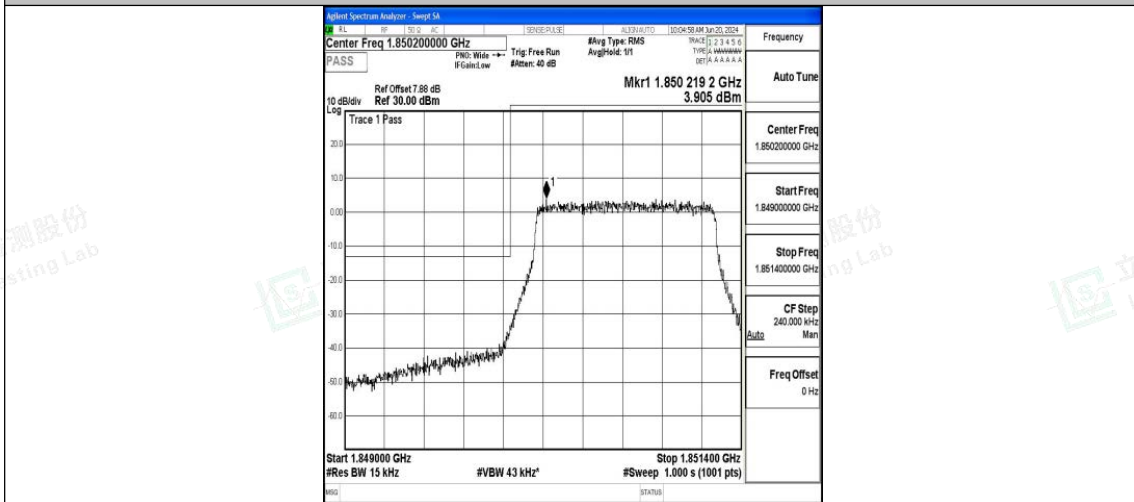




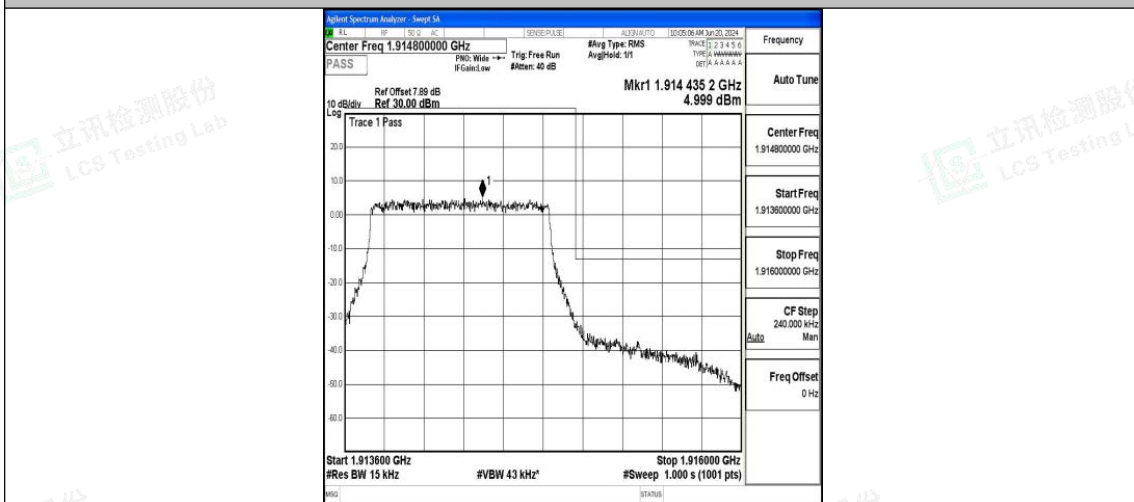
Test Graphs



Band25_1.4MHz_QPSK_26047_6RB#0

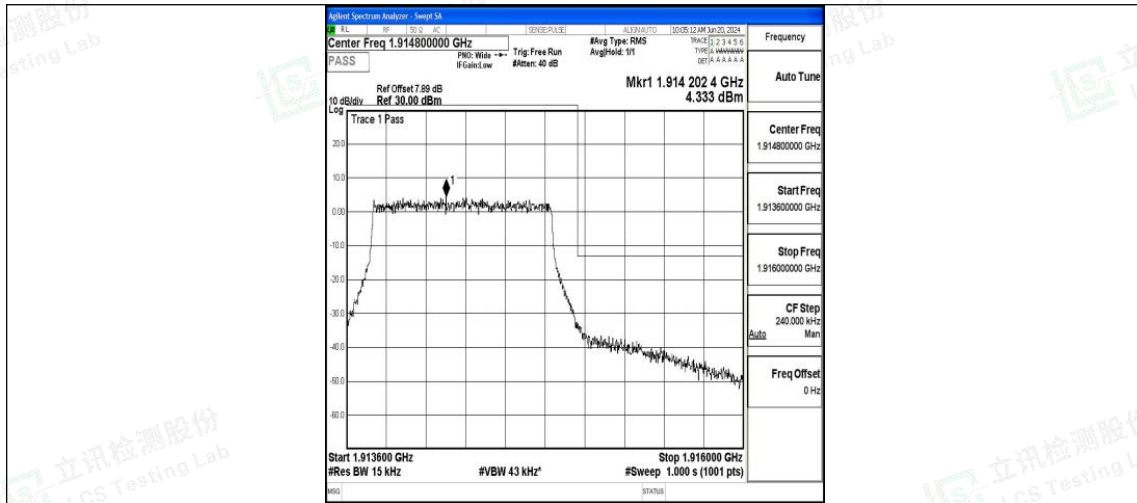


Band25_1.4MHz_16QAM_26047_6RB#0

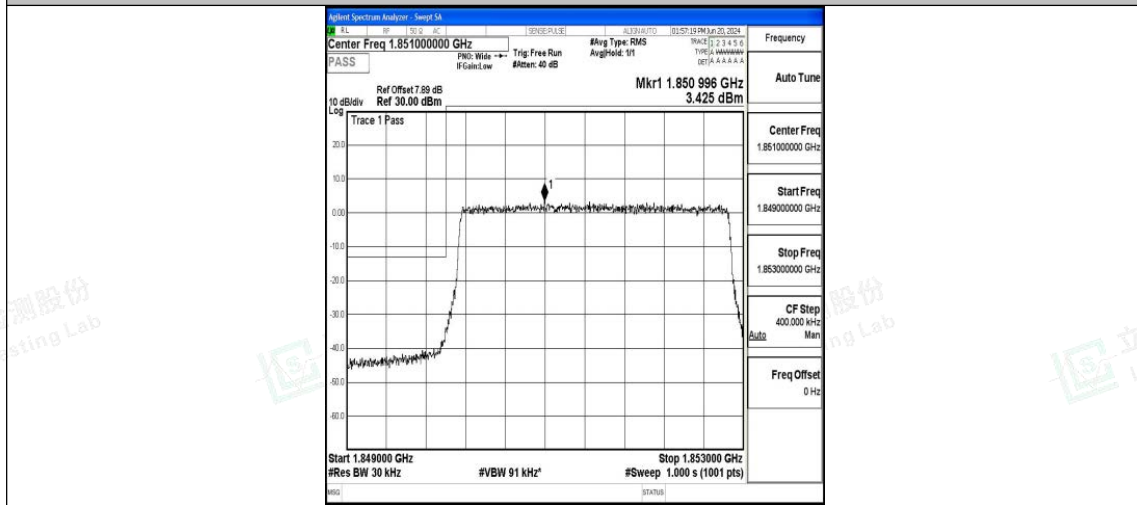


Band25_1.4MHz_QPSK_26683_6RB#0

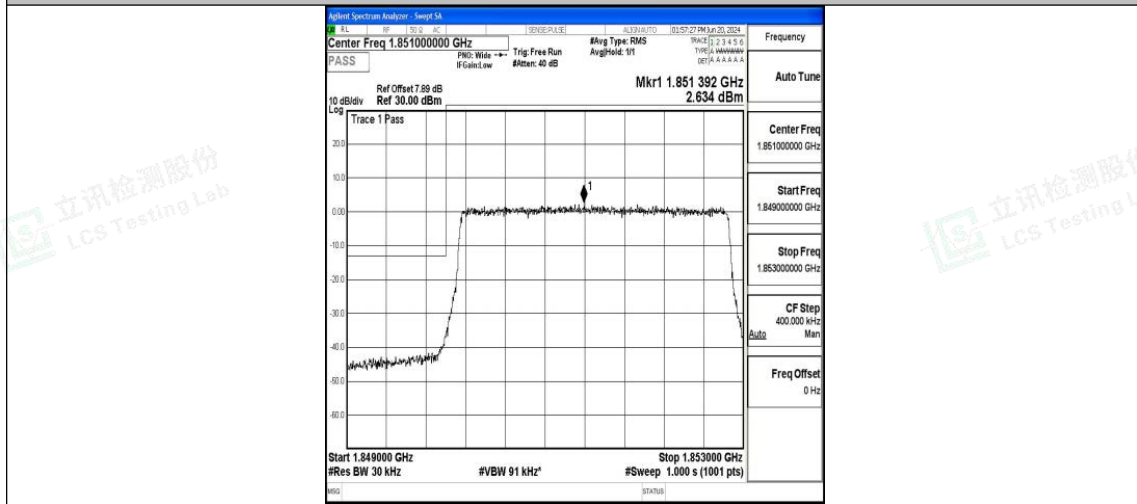




Band25_1.4MHz_16QAM_26683_6RB#0

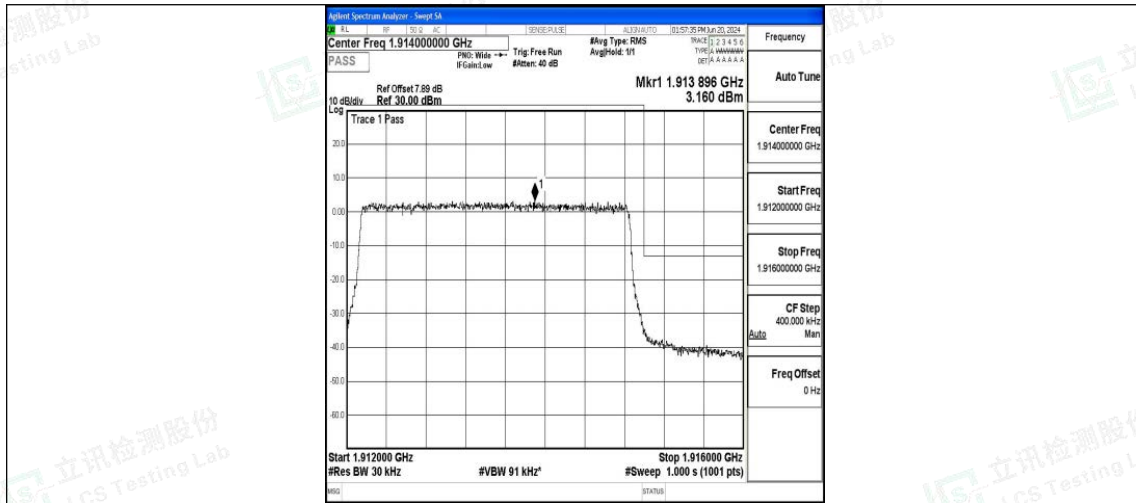


Band25_3MHz_QPSK_26055_15RB#0

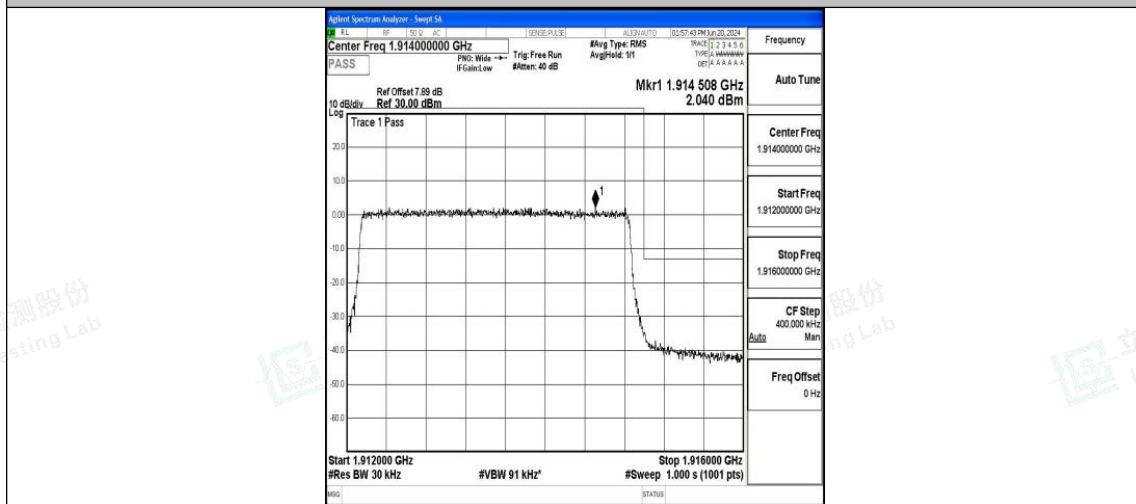


Band25_3MHz_16QAM_26055_15RB#0

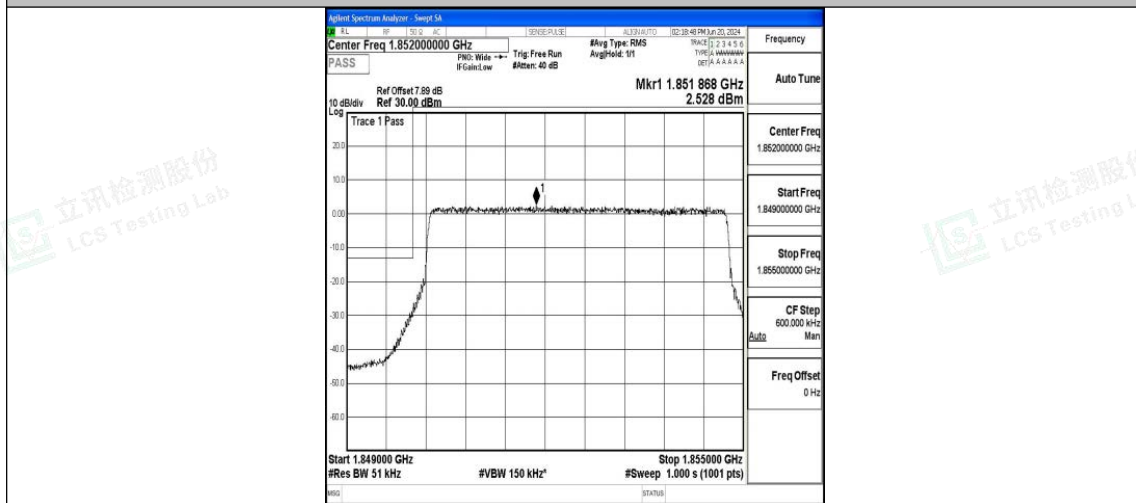




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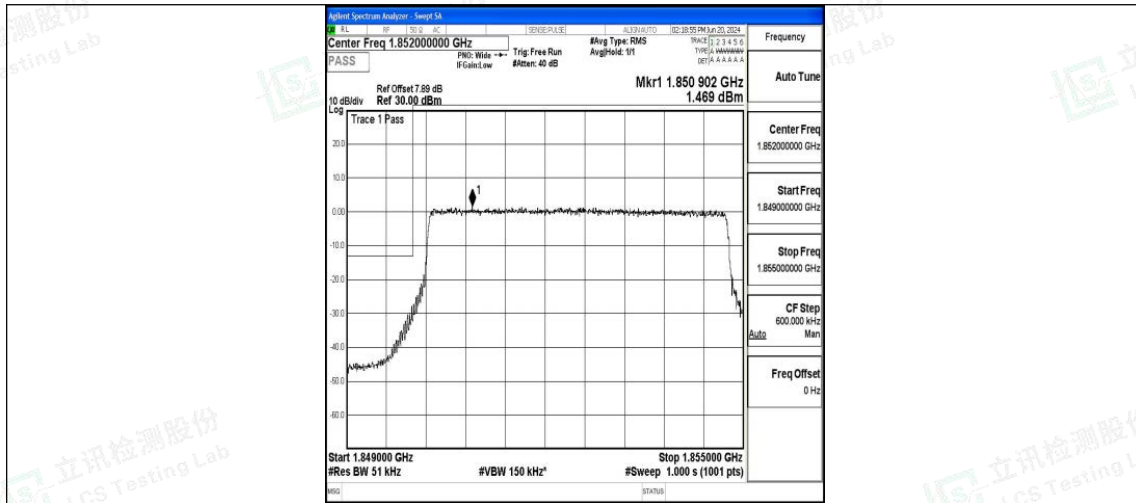


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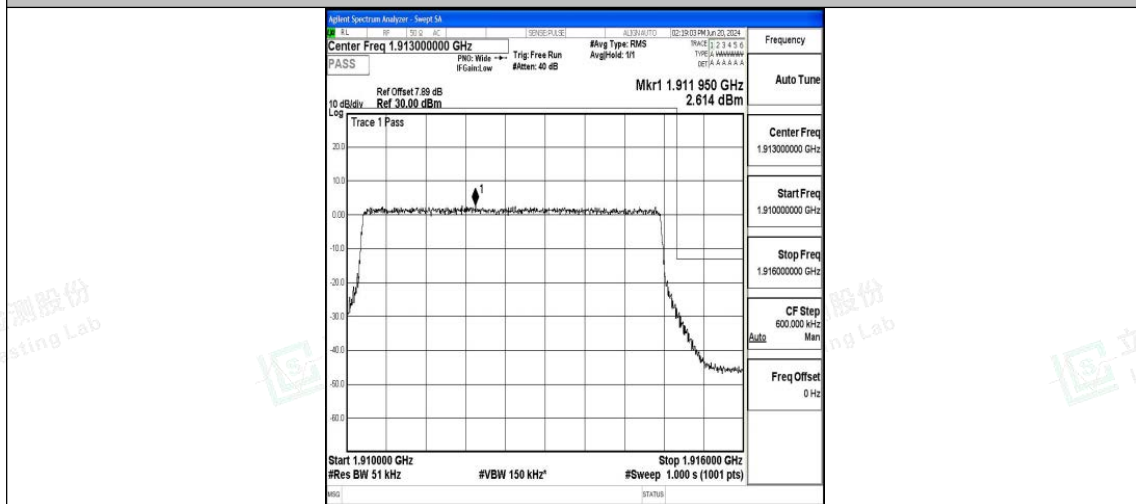


Band25_5MHz_QPSK_26065_25RB#0

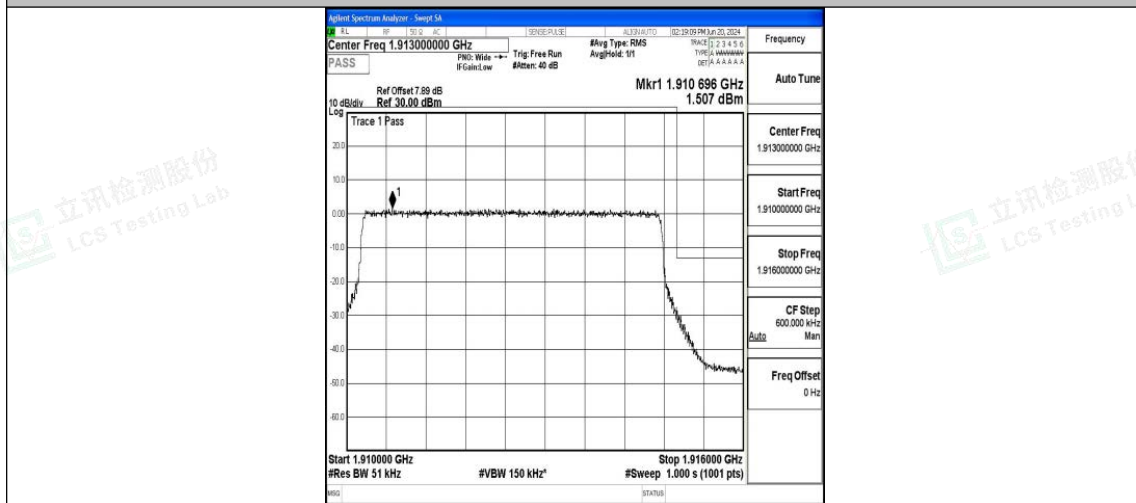




Band25_5MHz_16QAM_26065_25RB#0



Band25_5MHz_QPSK_26665_25RB#0



Band25_5MHz_16QAM_26665_25RB#0

