

# FCC WCDMA Band2&4&5 Test Data

| General Description of EUT                                                                                                                    |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Product Name:                                                                                                                                 | 4G Smartphone    |
| Test Model:                                                                                                                                   | Connect Pro      |
| Sample ID:                                                                                                                                    | 202304-0231-9-#2 |
| Environmental Conditions                                                                                                                      |                  |
| Temperature:                                                                                                                                  | 25°C             |
| Relative Humidity:                                                                                                                            | 55%              |
| Test Voltage:                                                                                                                                 | DC 3.8V          |
| Test Engineer:                                                                                                                                | Huang jian ping  |
| Note: For a more detailed features description, please refer to the report TBR-C-202304-0231-105<br>The report only show the worst case data. |                  |



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# 1. Conducted Power Output Data

## Test Result(WCDMA)

| Band  | Channel | Power(dBm) | Limit(dBm) | Verdict |
|-------|---------|------------|------------|---------|
| Band2 | 9262    | 20.61      | 33.01      | PASS    |
| Band2 | 9262    | 20.07      | 33.01      | PASS    |
| Band2 | 9262    | 20.10      | 33.01      | PASS    |
| Band2 | 9262    | 20.14      | 33.01      | PASS    |
| Band2 | 9400    | 21.09      | 33.01      | PASS    |
| Band2 | 9400    | 20.53      | 33.01      | PASS    |
| Band2 | 9400    | 20.58      | 33.01      | PASS    |
| Band2 | 9400    | 20.58      | 33.01      | PASS    |
| Band2 | 9538    | 21.19      | 33.01      | PASS    |
| Band2 | 9538    | 20.63      | 33.01      | PASS    |
| Band2 | 9538    | 20.63      | 33.01      | PASS    |
| Band2 | 9538    | 20.69      | 33.01      | PASS    |
| Band4 | 1312    | 20.98      | 30.00      | PASS    |
| Band4 | 1312    | 20.55      | 30.00      | PASS    |
| Band4 | 1312    | 20.42      | 30.00      | PASS    |
| Band4 | 1312    | 20.42      | 30.00      | PASS    |
| Band4 | 1413    | 20.78      | 30.00      | PASS    |
| Band4 | 1413    | 20.29      | 30.00      | PASS    |
| Band4 | 1413    | 20.24      | 30.00      | PASS    |
| Band4 | 1413    | 20.24      | 30.00      | PASS    |
| Band4 | 1513    | 20.78      | 30.00      | PASS    |
| Band4 | 1513    | 20.35      | 30.00      | PASS    |
| Band4 | 1513    | 20.26      | 30.00      | PASS    |
| Band4 | 1513    | 20.24      | 30.00      | PASS    |
| Band5 | 4132    | 21.70      | 38.5       | PASS    |
| Band5 | 4132    | 21.26      | 38.5       | PASS    |
| Band5 | 4132    | 21.24      | 38.5       | PASS    |
| Band5 | 4132    | 21.24      | 38.5       | PASS    |
| Band5 | 4183    | 21.74      | 38.5       | PASS    |
| Band5 | 4183    | 21.25      | 38.5       | PASS    |
| Band5 | 4183    | 21.25      | 38.5       | PASS    |
| Band5 | 4183    | 21.21      | 38.5       | PASS    |
| Band5 | 4233    | 21.70      | 38.5       | PASS    |
| Band5 | 4233    | 21.20      | 38.5       | PASS    |
| Band5 | 4233    | 21.22      | 38.5       | PASS    |



|       |      |       |      |      |
|-------|------|-------|------|------|
| Band5 | 4233 | 21.21 | 38.5 | PASS |
|-------|------|-------|------|------|

### Test Result(HSDPA)

| Band  | Channel | SubTest | Power(dBm) | Limit(dBm) | Verdict |
|-------|---------|---------|------------|------------|---------|
| Band2 | 9262    | 1       | 20.61      | 33.01      | PASS    |
| Band2 | 9262    | 2       | 20.07      | 33.01      | PASS    |
| Band2 | 9262    | 3       | 20.10      | 33.01      | PASS    |
| Band2 | 9262    | 4       | 20.14      | 33.01      | PASS    |
| Band2 | 9400    | 1       | 21.09      | 33.01      | PASS    |
| Band2 | 9400    | 2       | 20.53      | 33.01      | PASS    |
| Band2 | 9400    | 3       | 20.58      | 33.01      | PASS    |
| Band2 | 9400    | 4       | 20.58      | 33.01      | PASS    |
| Band2 | 9538    | 1       | 21.19      | 33.01      | PASS    |
| Band2 | 9538    | 2       | 20.63      | 33.01      | PASS    |
| Band2 | 9538    | 3       | 20.63      | 33.01      | PASS    |
| Band2 | 9538    | 4       | 20.69      | 33.01      | PASS    |
| Band4 | 1312    | 1       | 20.98      | 30.00      | PASS    |
| Band4 | 1312    | 2       | 20.55      | 30.00      | PASS    |
| Band4 | 1312    | 3       | 20.42      | 30.00      | PASS    |
| Band4 | 1312    | 4       | 20.42      | 30.00      | PASS    |
| Band4 | 1413    | 1       | 20.78      | 30.00      | PASS    |
| Band4 | 1413    | 2       | 20.29      | 30.00      | PASS    |
| Band4 | 1413    | 3       | 20.24      | 30.00      | PASS    |
| Band4 | 1413    | 4       | 20.24      | 30.00      | PASS    |
| Band4 | 1513    | 1       | 20.78      | 30.00      | PASS    |
| Band4 | 1513    | 2       | 20.35      | 30.00      | PASS    |
| Band4 | 1513    | 3       | 20.26      | 30.00      | PASS    |
| Band4 | 1513    | 4       | 20.24      | 30.00      | PASS    |
| Band5 | 4132    | 1       | 21.70      | 38.5       | PASS    |
| Band5 | 4132    | 2       | 21.26      | 38.5       | PASS    |
| Band5 | 4132    | 3       | 21.24      | 38.5       | PASS    |
| Band5 | 4132    | 4       | 21.24      | 38.5       | PASS    |
| Band5 | 4183    | 1       | 21.74      | 38.5       | PASS    |
| Band5 | 4183    | 2       | 21.25      | 38.5       | PASS    |
| Band5 | 4183    | 3       | 21.25      | 38.5       | PASS    |
| Band5 | 4183    | 4       | 21.21      | 38.5       | PASS    |
| Band5 | 4233    | 1       | 21.70      | 38.5       | PASS    |
| Band5 | 4233    | 2       | 21.20      | 38.5       | PASS    |



|       |      |   |       |      |      |
|-------|------|---|-------|------|------|
| Band5 | 4233 | 3 | 21.22 | 38.5 | PASS |
| Band5 | 4233 | 4 | 21.21 | 38.5 | PASS |

### Test Result(HSUPA)

| Band  | Channel | SubTest | Power(dBm) | Limit(dBm) | Verdict |
|-------|---------|---------|------------|------------|---------|
| Band2 | 9262    | 1       | 18.69      | 33.01      | PASS    |
| Band2 | 9262    | 2       | 19.15      | 33.01      | PASS    |
| Band2 | 9262    | 3       | 19.67      | 33.01      | PASS    |
| Band2 | 9262    | 4       | 18.74      | 33.01      | PASS    |
| Band2 | 9262    | 5       | 20.68      | 33.01      | PASS    |
| Band2 | 9400    | 1       | 19.17      | 33.01      | PASS    |
| Band2 | 9400    | 2       | 19.61      | 33.01      | PASS    |
| Band2 | 9400    | 3       | 20.10      | 33.01      | PASS    |
| Band2 | 9400    | 4       | 19.18      | 33.01      | PASS    |
| Band2 | 9400    | 5       | 21.11      | 33.01      | PASS    |
| Band2 | 9538    | 1       | 19.23      | 33.01      | PASS    |
| Band2 | 9538    | 2       | 19.70      | 33.01      | PASS    |
| Band2 | 9538    | 3       | 20.19      | 33.01      | PASS    |
| Band2 | 9538    | 4       | 19.29      | 33.01      | PASS    |
| Band2 | 9538    | 5       | 21.22      | 33.01      | PASS    |
| Band4 | 1312    | 1       | 18.80      | 30.00      | PASS    |
| Band4 | 1312    | 2       | 19.30      | 30.00      | PASS    |
| Band4 | 1312    | 3       | 19.81      | 30.00      | PASS    |
| Band4 | 1312    | 4       | 18.83      | 30.00      | PASS    |
| Band4 | 1312    | 5       | 20.78      | 30.00      | PASS    |
| Band4 | 1413    | 1       | 18.61      | 30.00      | PASS    |
| Band4 | 1413    | 2       | 19.12      | 30.00      | PASS    |
| Band4 | 1413    | 3       | 19.66      | 30.00      | PASS    |
| Band4 | 1413    | 4       | 18.64      | 30.00      | PASS    |
| Band4 | 1413    | 5       | 20.57      | 30.00      | PASS    |
| Band4 | 1513    | 1       | 18.61      | 30.00      | PASS    |
| Band4 | 1513    | 2       | 19.10      | 30.00      | PASS    |



|       |      |   |       |       |      |
|-------|------|---|-------|-------|------|
| Band4 | 1513 | 3 | 19.61 | 30.00 | PASS |
| Band4 | 1513 | 4 | 18.64 | 30.00 | PASS |
| Band4 | 1513 | 5 | 20.60 | 30.00 | PASS |
| Band5 | 4132 | 1 | 19.73 | 38.5  | PASS |
| Band5 | 4132 | 2 | 20.23 | 38.5  | PASS |
| Band5 | 4132 | 3 | 20.75 | 38.5  | PASS |
| Band5 | 4132 | 4 | 19.76 | 38.5  | PASS |
| Band5 | 4132 | 5 | 21.71 | 38.5  | PASS |
| Band5 | 4183 | 1 | 19.74 | 38.5  | PASS |
| Band5 | 4183 | 2 | 20.28 | 38.5  | PASS |
| Band5 | 4183 | 3 | 20.79 | 38.5  | PASS |
| Band5 | 4183 | 4 | 19.78 | 38.5  | PASS |
| Band5 | 4183 | 5 | 21.70 | 38.5  | PASS |
| Band5 | 4233 | 1 | 19.74 | 38.5  | PASS |
| Band5 | 4233 | 2 | 20.25 | 38.5  | PASS |
| Band5 | 4233 | 3 | 20.72 | 38.5  | PASS |
| Band5 | 4233 | 4 | 19.75 | 38.5  | PASS |
| Band5 | 4233 | 5 | 21.69 | 38.5  | PASS |



## 2. Peak-to-Average Ratio

### Test Result(WCDMA)

| Band  | Channel | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|-------|---------|---------------------------|-----------|---------|
| Band2 | 9262    | 2.92                      | 13        | PASS    |
| Band2 | 9400    | 2.89                      | 13        | PASS    |
| Band2 | 9538    | 2.78                      | 13        | PASS    |
| Band4 | 1312    | 3.11                      | 13        | PASS    |
| Band4 | 1413    | 3.07                      | 13        | PASS    |
| Band4 | 1513    | 3.09                      | 13        | PASS    |
| Band5 | 4132    | 2.89                      | 13        | PASS    |
| Band5 | 4183    | 2.96                      | 13        | PASS    |
| Band5 | 4233    | 2.65                      | 13        | PASS    |

### Test Result(HSDPA)

| Band  | Channel | SubTest | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|-------|---------|---------|---------------------------|-----------|---------|
| Band2 | 9262    | 1       | 3.08                      | 13        | PASS    |
| Band2 | 9262    | 2       | 3.65                      | 13        | PASS    |
| Band2 | 9262    | 3       | 3.85                      | 13        | PASS    |
| Band2 | 9262    | 4       | 3.9                       | 13        | PASS    |
| Band2 | 9400    | 1       | 3.03                      | 13        | PASS    |
| Band2 | 9400    | 2       | 3.66                      | 13        | PASS    |
| Band2 | 9400    | 3       | 3.85                      | 13        | PASS    |
| Band2 | 9400    | 4       | 3.89                      | 13        | PASS    |
| Band2 | 9538    | 1       | 2.97                      | 13        | PASS    |
| Band2 | 9538    | 2       | 3.62                      | 13        | PASS    |
| Band2 | 9538    | 3       | 3.83                      | 13        | PASS    |
| Band2 | 9538    | 4       | 3.86                      | 13        | PASS    |
| Band4 | 1312    | 1       | 3.07                      | 13        | PASS    |
| Band4 | 1312    | 2       | 3.8                       | 13        | PASS    |
| Band4 | 1312    | 3       | 3.85                      | 13        | PASS    |
| Band4 | 1312    | 4       | 3.9                       | 13        | PASS    |
| Band4 | 1413    | 1       | 3.09                      | 13        | PASS    |
| Band4 | 1413    | 2       | 3.82                      | 13        | PASS    |
| Band4 | 1413    | 3       | 3.84                      | 13        | PASS    |
| Band4 | 1413    | 4       | 3.89                      | 13        | PASS    |
| Band4 | 1513    | 1       | 3.08                      | 13        | PASS    |
| Band4 | 1513    | 2       | 3.83                      | 13        | PASS    |



|       |      |   |      |    |      |
|-------|------|---|------|----|------|
| Band4 | 1513 | 3 | 3.85 | 13 | PASS |
| Band4 | 1513 | 4 | 3.91 | 13 | PASS |
| Band5 | 4132 | 1 | 3.03 | 13 | PASS |
| Band5 | 4132 | 2 | 3.64 | 13 | PASS |
| Band5 | 4132 | 3 | 3.83 | 13 | PASS |
| Band5 | 4132 | 4 | 3.88 | 13 | PASS |
| Band5 | 4183 | 1 | 3.04 | 13 | PASS |
| Band5 | 4183 | 2 | 3.7  | 13 | PASS |
| Band5 | 4183 | 3 | 3.87 | 13 | PASS |
| Band5 | 4183 | 4 | 3.94 | 13 | PASS |
| Band5 | 4233 | 1 | 2.88 | 13 | PASS |
| Band5 | 4233 | 2 | 3.54 | 13 | PASS |
| Band5 | 4233 | 3 | 3.72 | 13 | PASS |
| Band5 | 4233 | 4 | 3.78 | 13 | PASS |

### Test Result(HSUPA)

| Band  | Channel | SubTest | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|-------|---------|---------|---------------------------|-----------|---------|
| Band2 | 9262    | 1       | 4.25                      | 13        | PASS    |
| Band2 | 9262    | 2       | 5.39                      | 13        | PASS    |
| Band2 | 9262    | 3       | 4.98                      | 13        | PASS    |
| Band2 | 9262    | 4       | 5.35                      | 13        | PASS    |
| Band2 | 9262    | 5       | 4.1                       | 13        | PASS    |
| Band2 | 9400    | 1       | 4.8                       | 13        | PASS    |
| Band2 | 9400    | 2       | 3.23                      | 13        | PASS    |
| Band2 | 9400    | 3       | 3.99                      | 13        | PASS    |
| Band2 | 9400    | 4       | 3.03                      | 13        | PASS    |
| Band2 | 9400    | 5       | 4.46                      | 13        | PASS    |
| Band2 | 9538    | 1       | 4.85                      | 13        | PASS    |
| Band2 | 9538    | 2       | 3.25                      | 13        | PASS    |
| Band2 | 9538    | 3       | 4.02                      | 13        | PASS    |
| Band2 | 9538    | 4       | 3.12                      | 13        | PASS    |
| Band2 | 9538    | 5       | 4.43                      | 13        | PASS    |
| Band4 | 1312    | 1       | 4.27                      | 13        | PASS    |
| Band4 | 1312    | 2       | 5.44                      | 13        | PASS    |

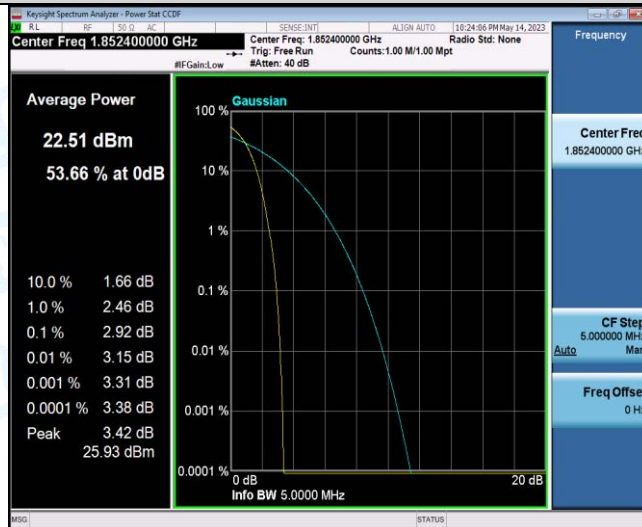


|       |      |   |      |    |      |
|-------|------|---|------|----|------|
| Band4 | 1312 | 3 | 5.01 | 13 | PASS |
| Band4 | 1312 | 4 | 5.39 | 13 | PASS |
| Band4 | 1312 | 5 | 4.17 | 13 | PASS |
| Band4 | 1413 | 1 | 4.59 | 13 | PASS |
| Band4 | 1413 | 2 | 3.17 | 13 | PASS |
| Band4 | 1413 | 3 | 3.82 | 13 | PASS |
| Band4 | 1413 | 4 | 3.08 | 13 | PASS |
| Band4 | 1413 | 5 | 4.54 | 13 | PASS |
| Band4 | 1513 | 1 | 4.76 | 13 | PASS |
| Band4 | 1513 | 2 | 3.23 | 13 | PASS |
| Band4 | 1513 | 3 | 3.96 | 13 | PASS |
| Band4 | 1513 | 4 | 3.06 | 13 | PASS |
| Band4 | 1513 | 5 | 4.55 | 13 | PASS |
| Band5 | 4132 | 1 | 4.38 | 13 | PASS |
| Band5 | 4132 | 2 | 5.37 | 13 | PASS |
| Band5 | 4132 | 3 | 4.91 | 13 | PASS |
| Band5 | 4132 | 4 | 5.34 | 13 | PASS |
| Band5 | 4132 | 5 | 4.03 | 13 | PASS |
| Band5 | 4183 | 1 | 4.58 | 13 | PASS |
| Band5 | 4183 | 2 | 3.2  | 13 | PASS |
| Band5 | 4183 | 3 | 3.85 | 13 | PASS |
| Band5 | 4183 | 4 | 3.06 | 13 | PASS |
| Band5 | 4183 | 5 | 4.52 | 13 | PASS |
| Band5 | 4233 | 1 | 8.48 | 13 | PASS |
| Band5 | 4233 | 2 | 3.14 | 13 | PASS |
| Band5 | 4233 | 3 | 3.87 | 13 | PASS |
| Band5 | 4233 | 4 | 2.98 | 13 | PASS |
| Band5 | 4233 | 5 | 4.28 | 13 | PASS |

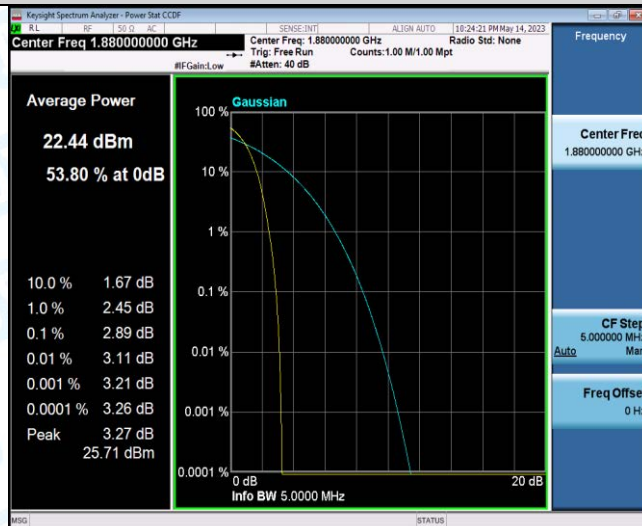


## Test Graphs(WCDMA)

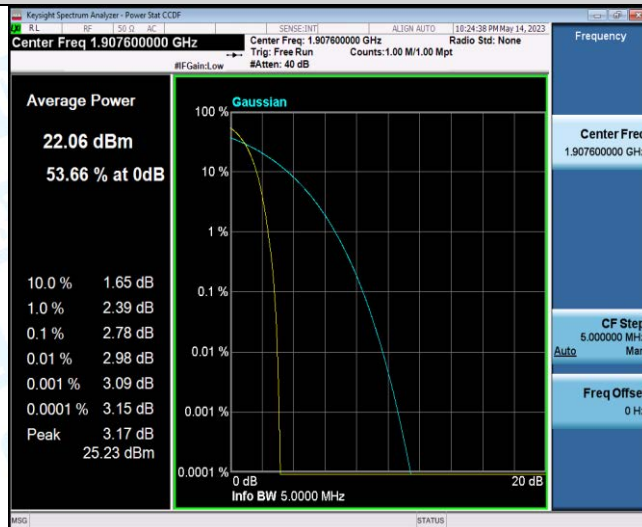
Band2-9262



Band2-9400

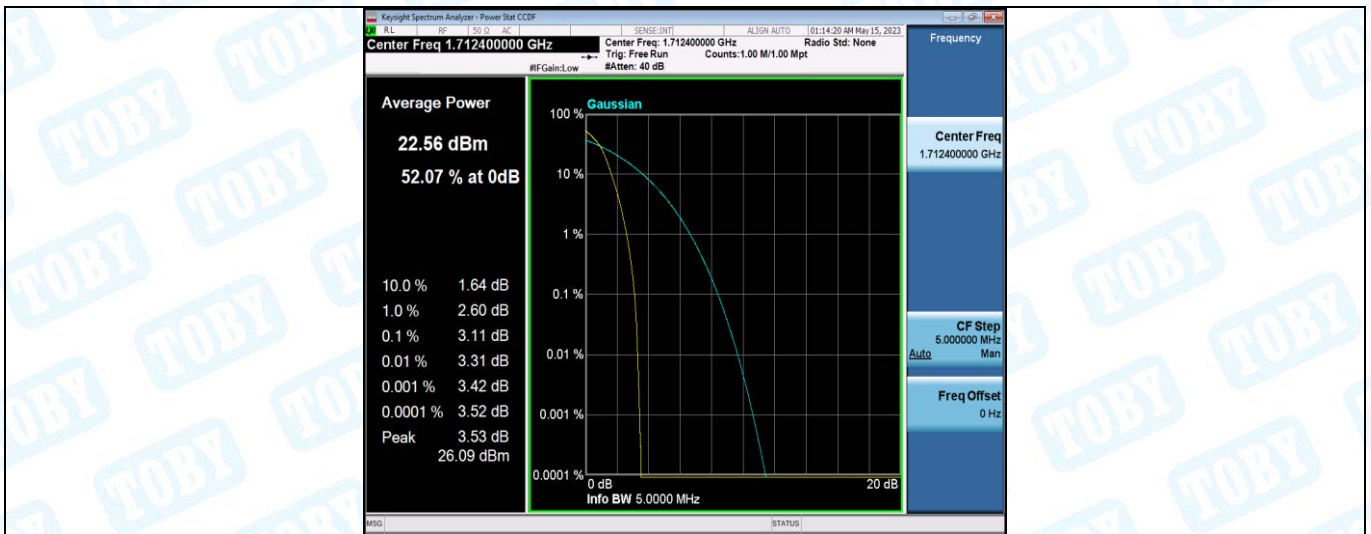


Band2-9538

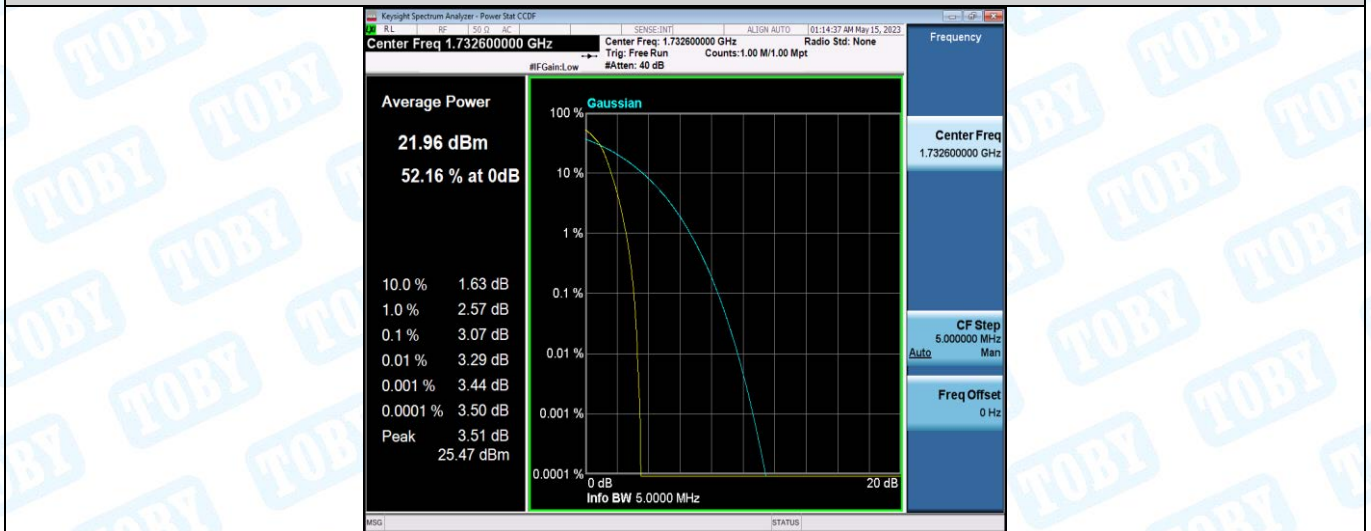


Band4-1312

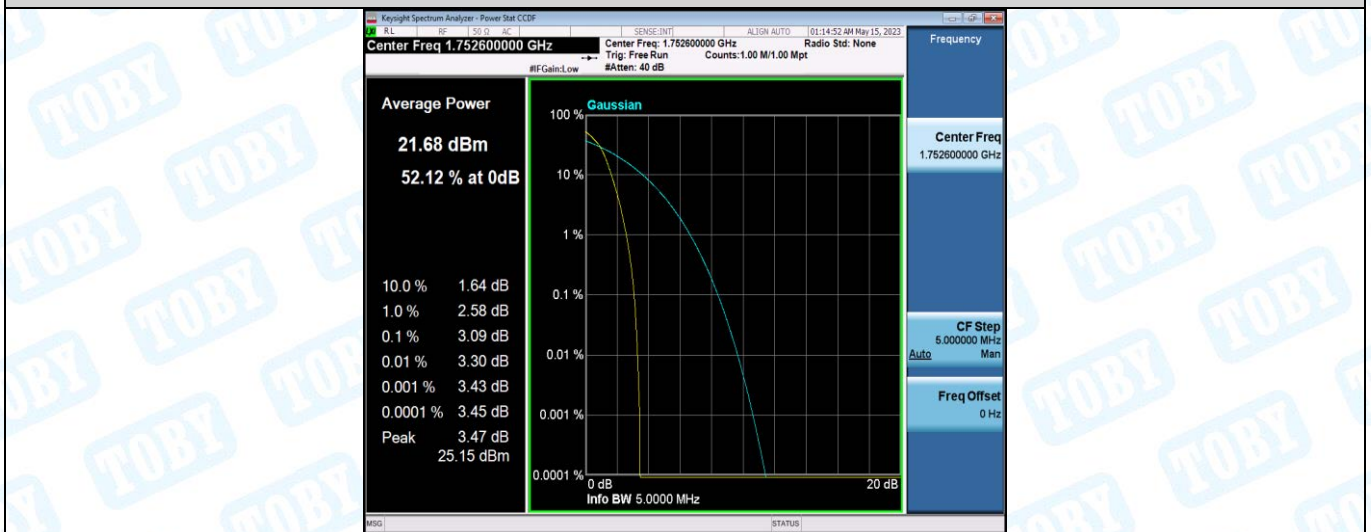




Band4-1413

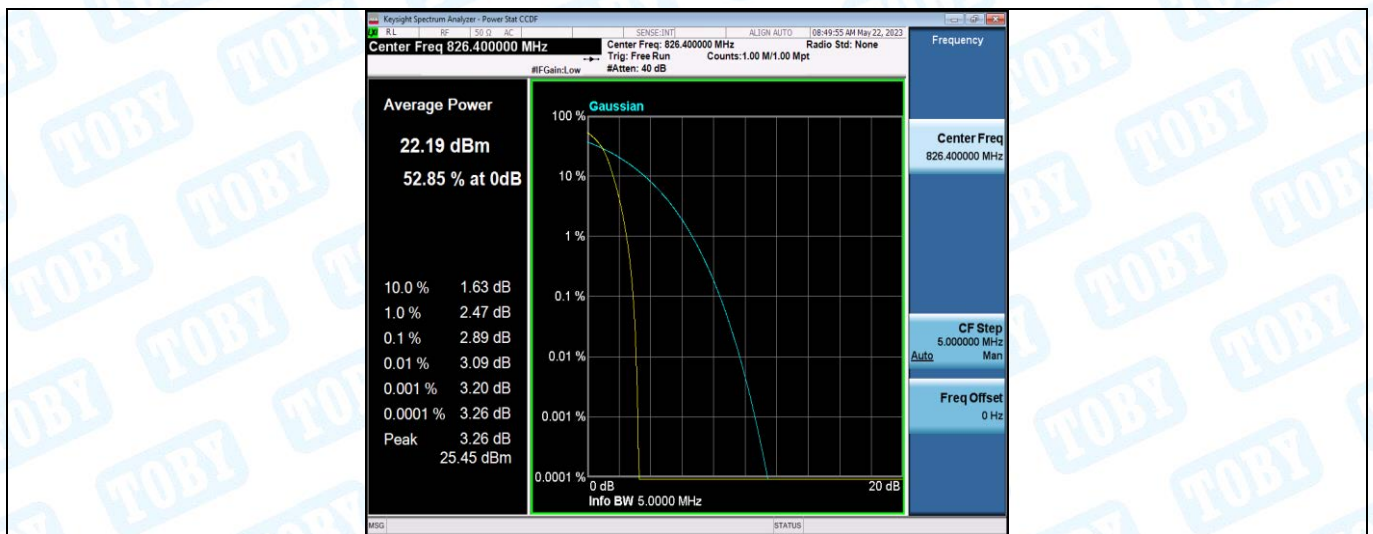


Band4-1513

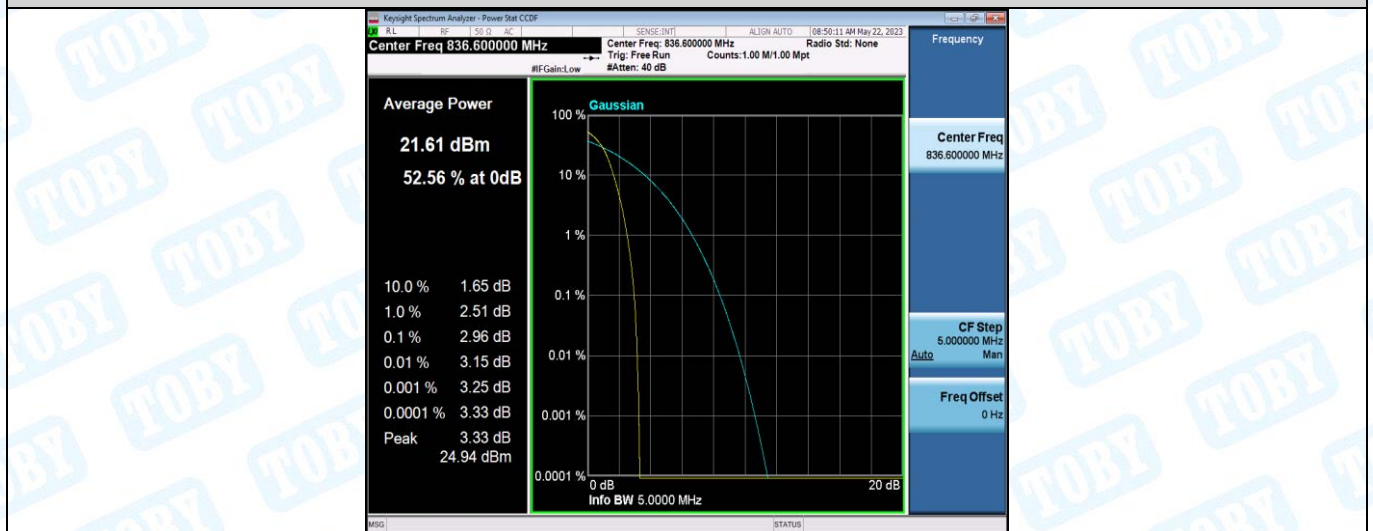


Band5-4132

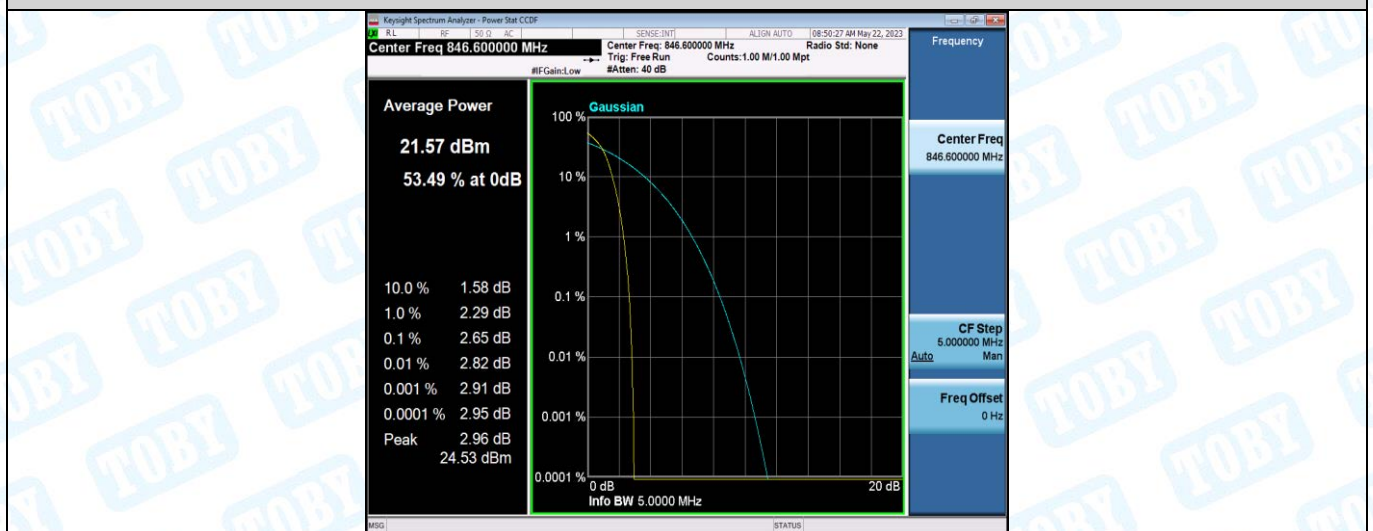




Band5-4183



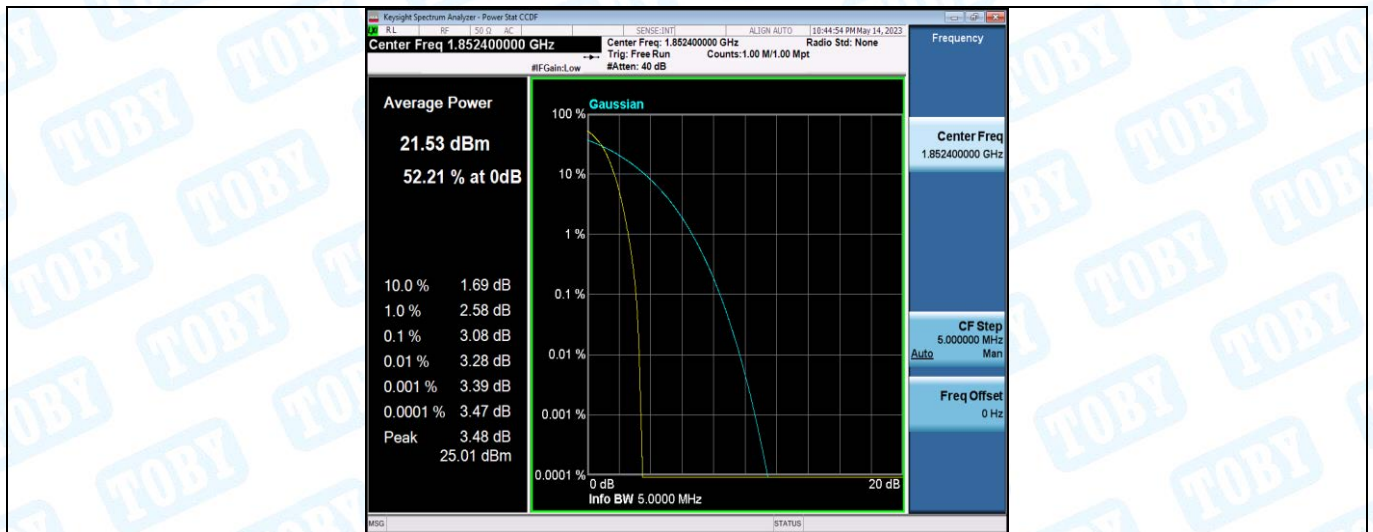
Band5-4233



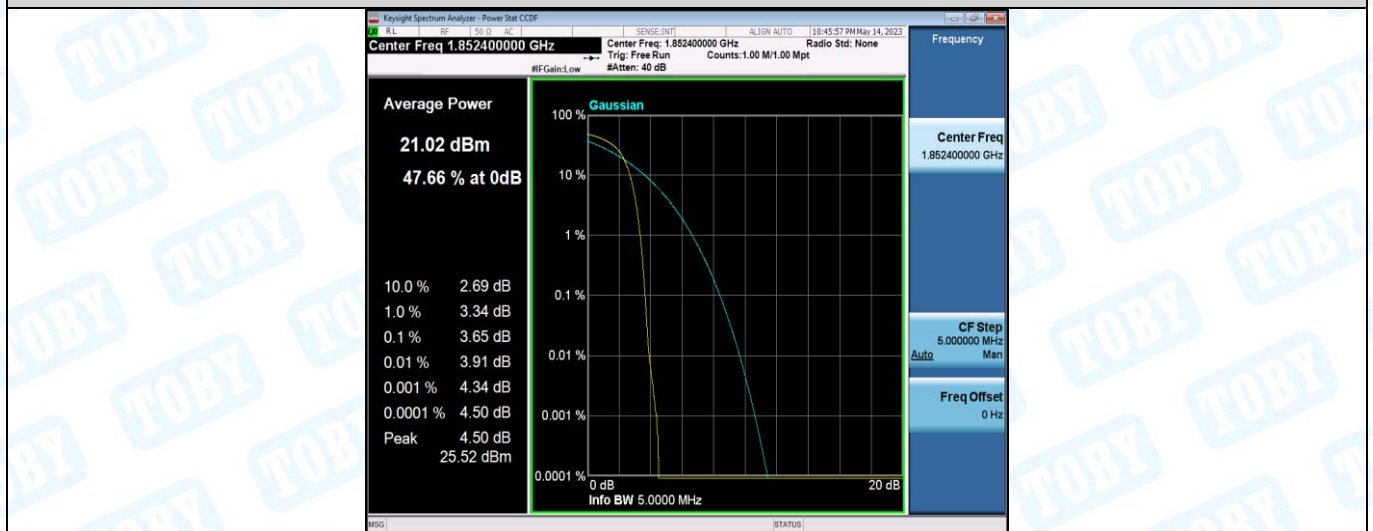
## Test Graphs(HSDPA)

Band2-9262-1

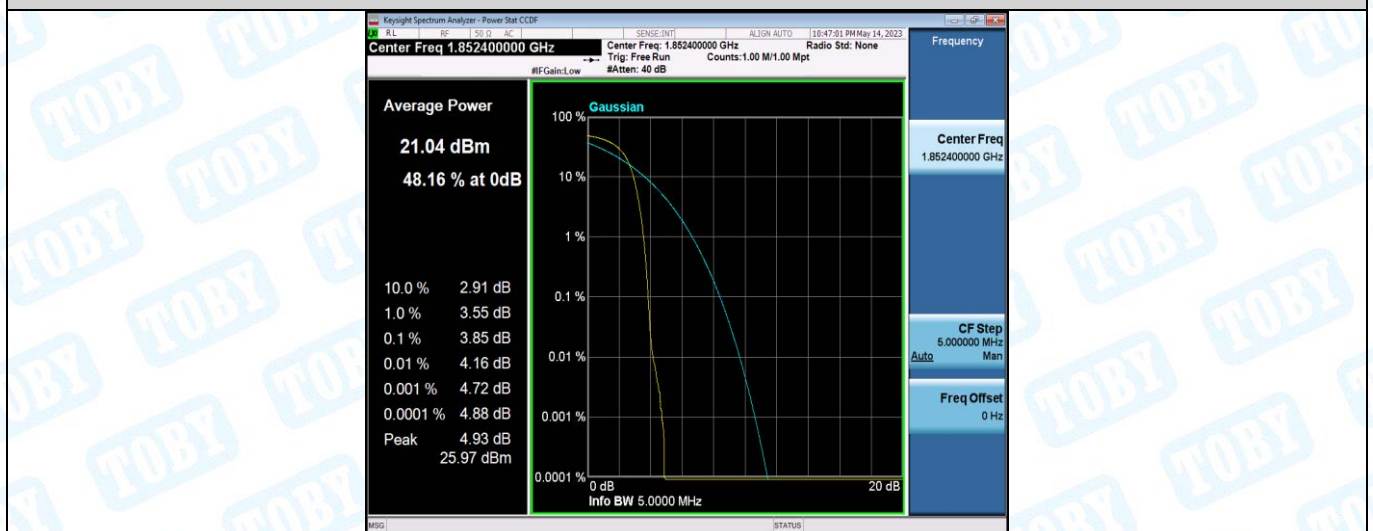




Band2-9262-2

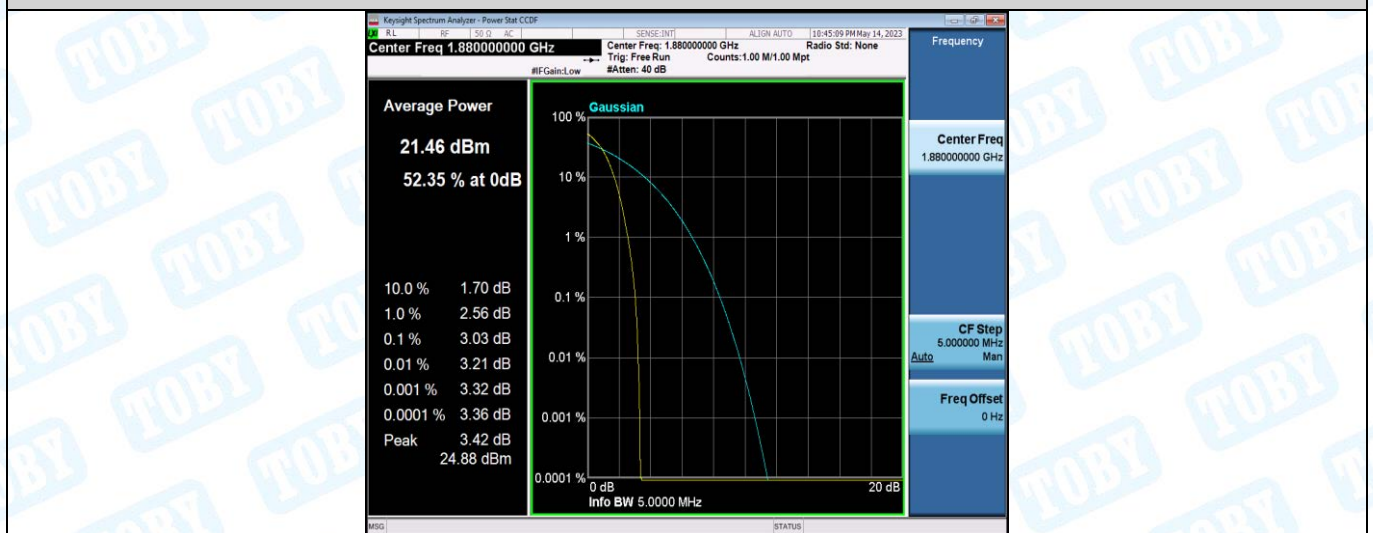
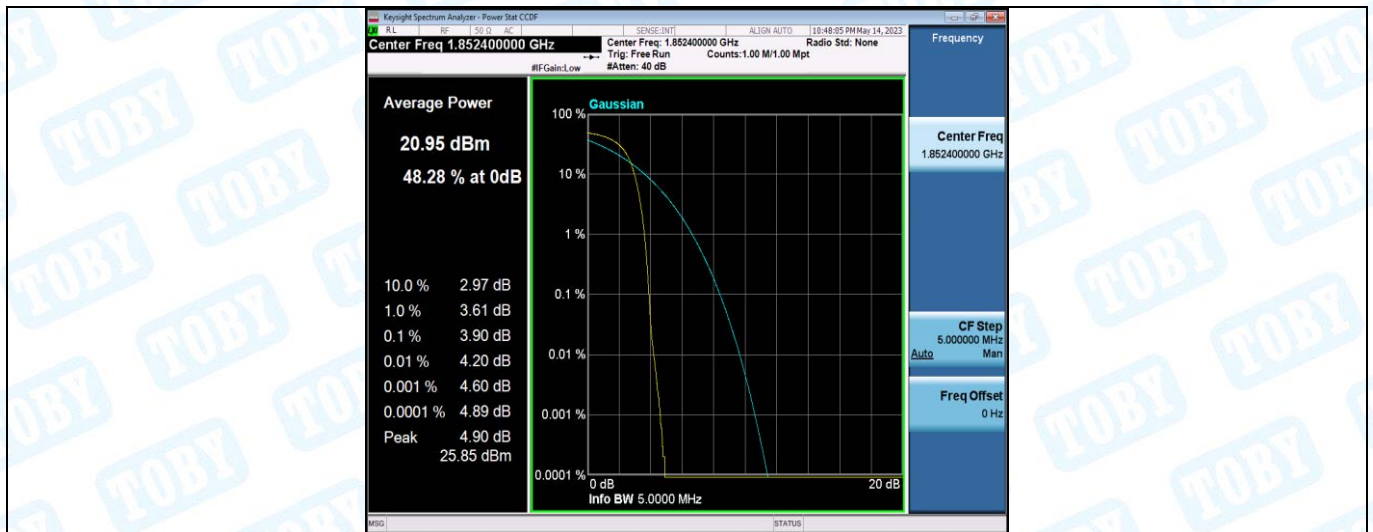


Band2-9262-3

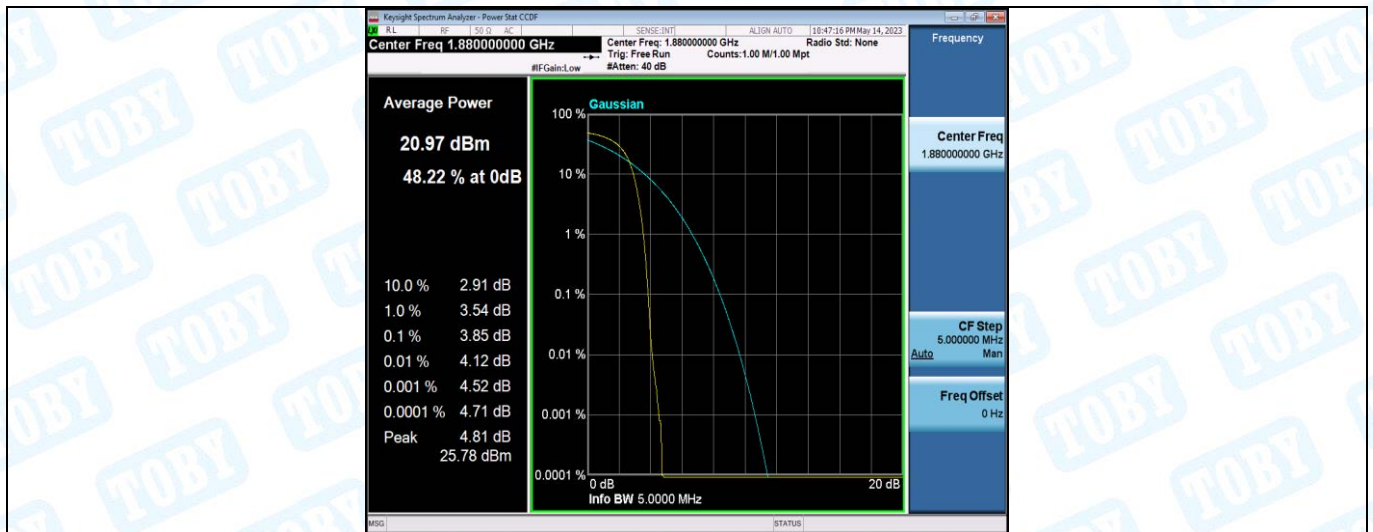


Band2-9262-4

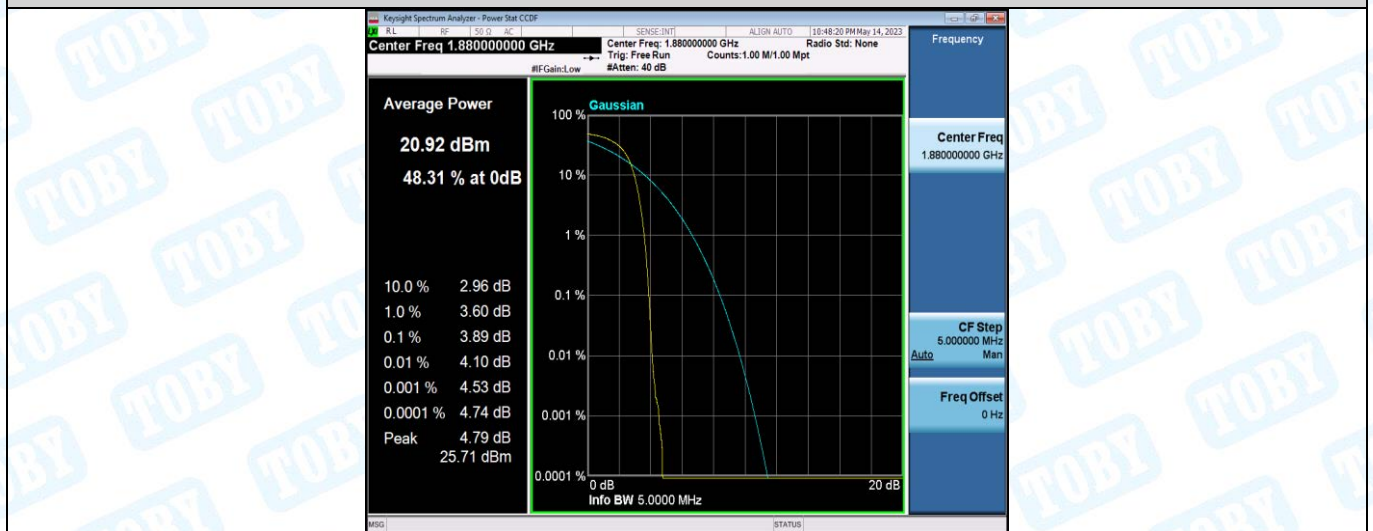




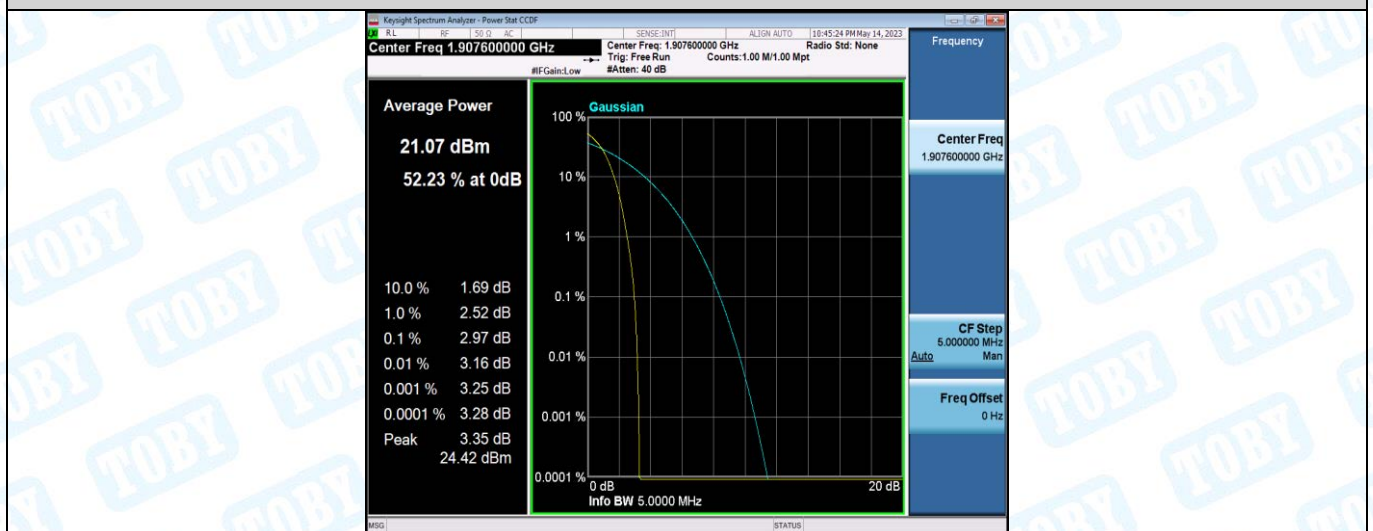




Band2-9400-4

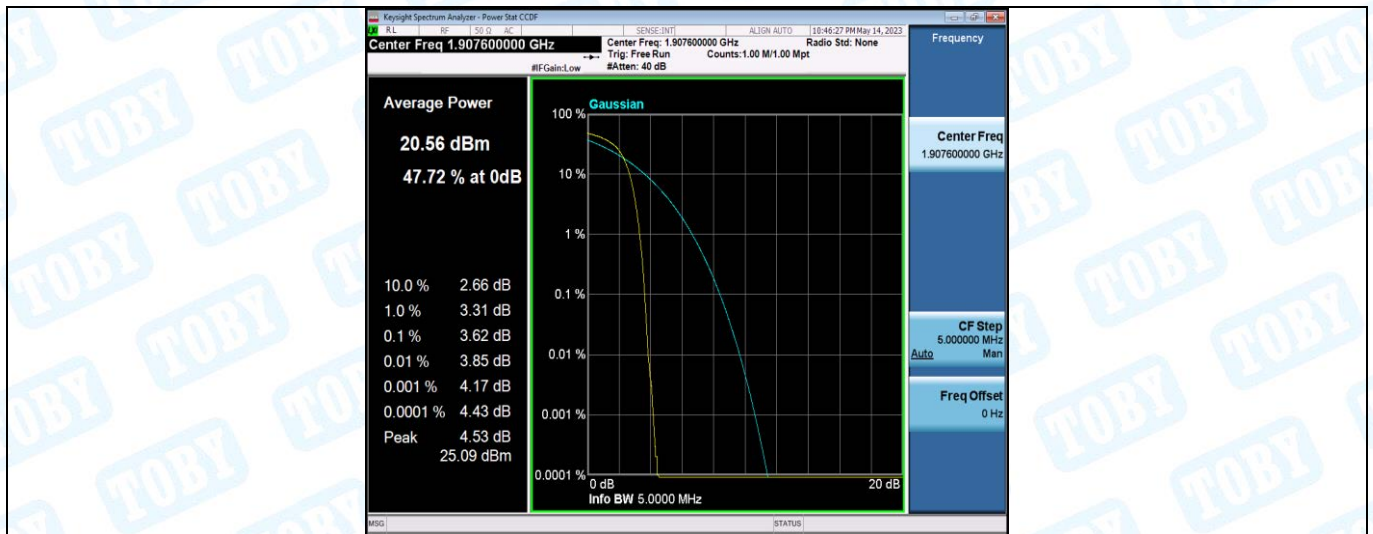


Band2-9538-1

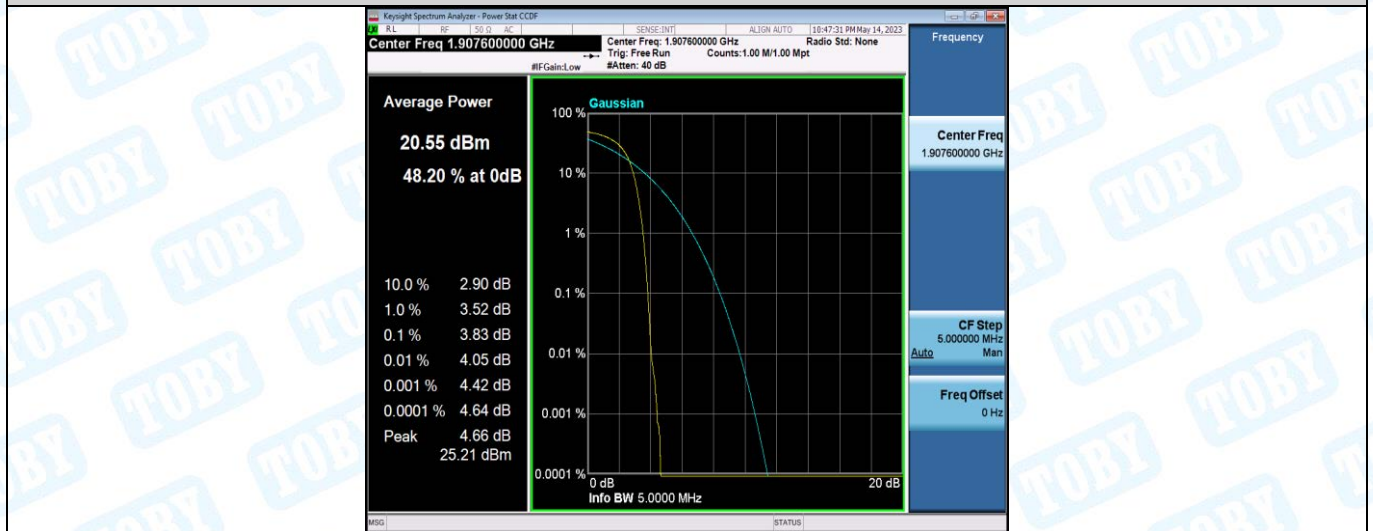


Band2-9538-2

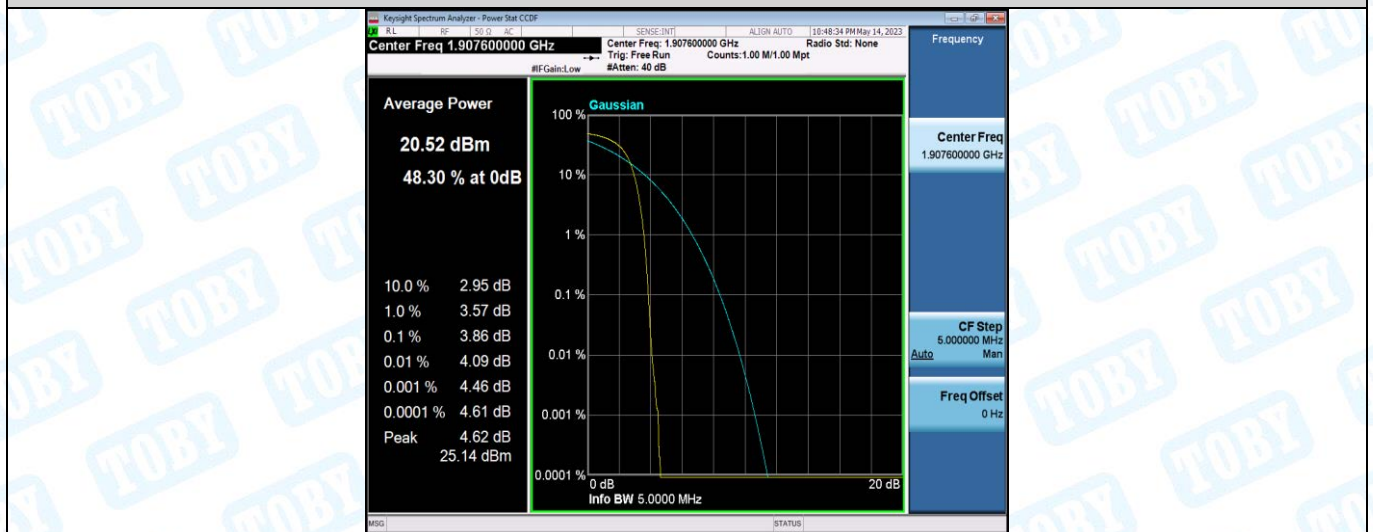




Band2-9538-3



Band2-9538-4

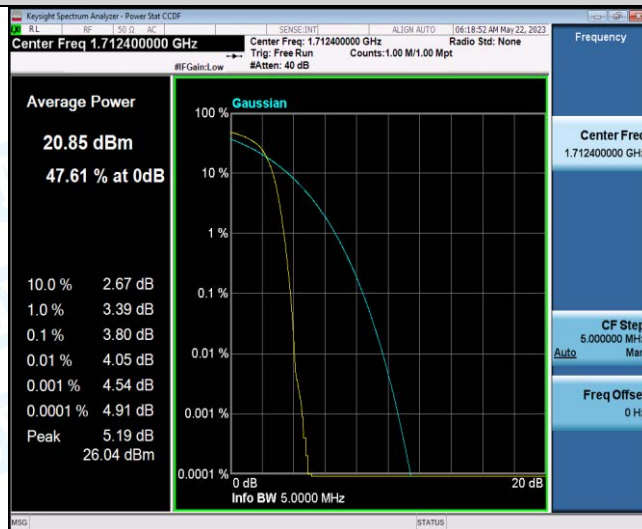


Band4-1312-1

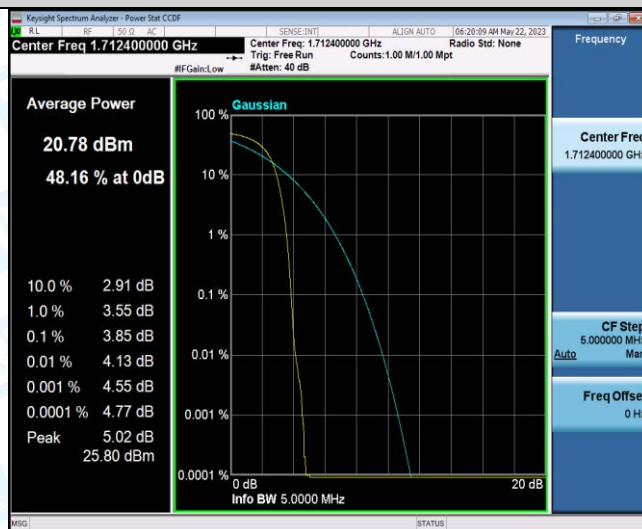




Band4-1312-2



Band4-1312-3

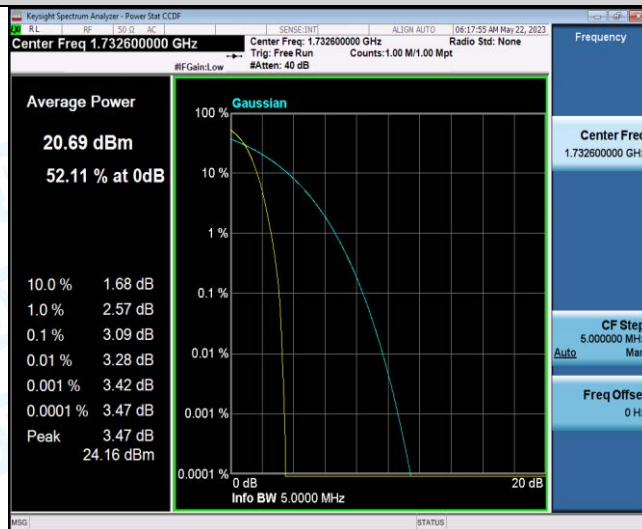


Band4-1312-4

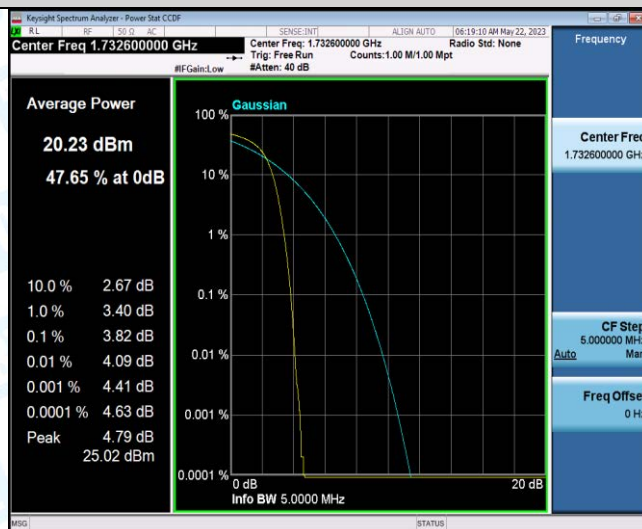




Band4-1413-1

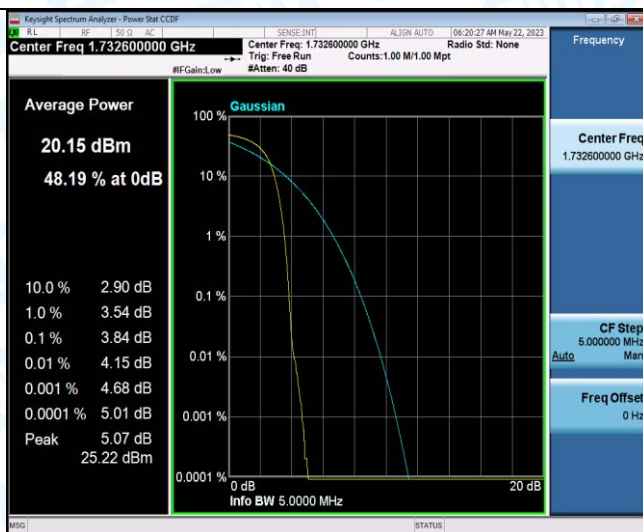


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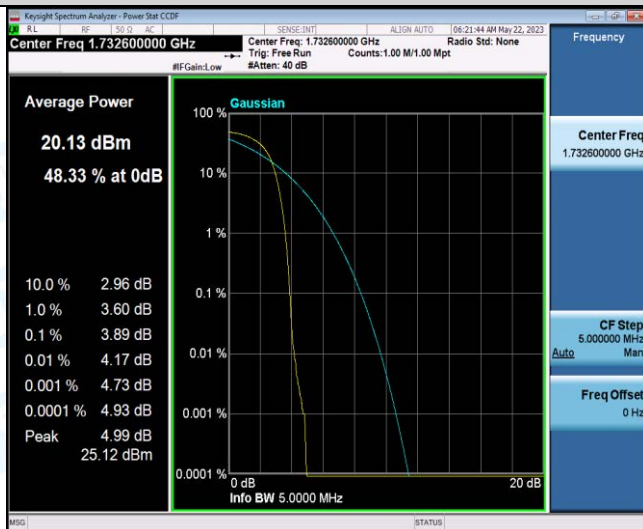


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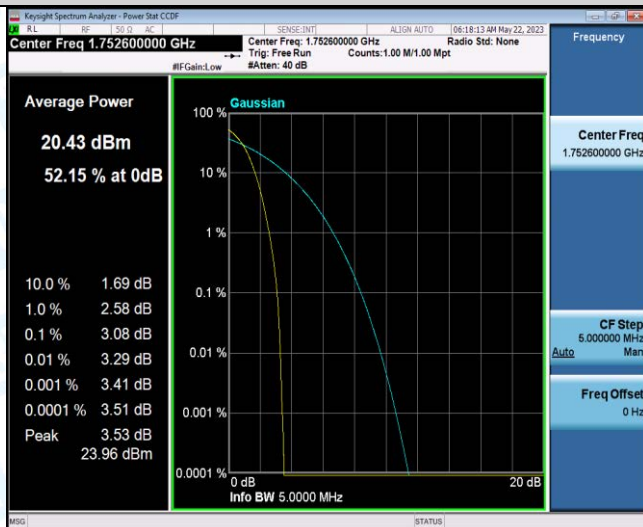




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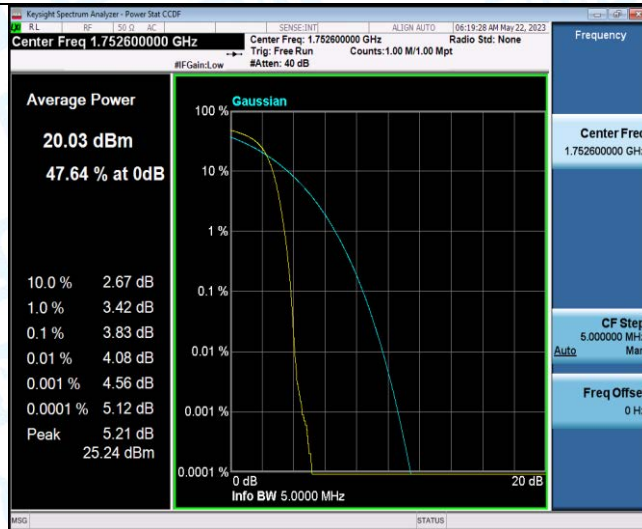


Band4-1513-1

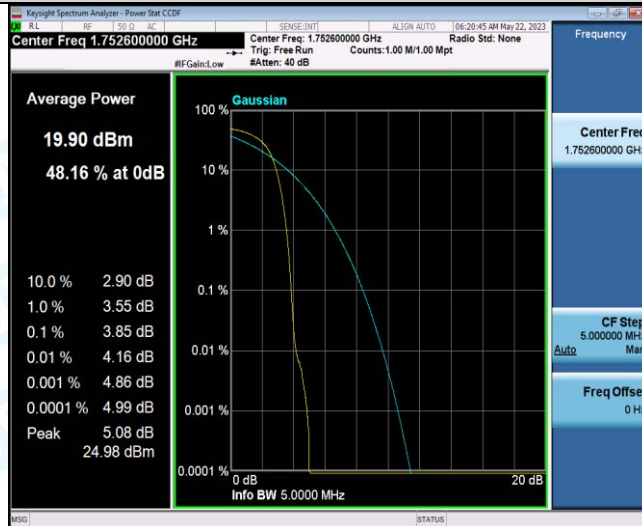


Band4-1513-2

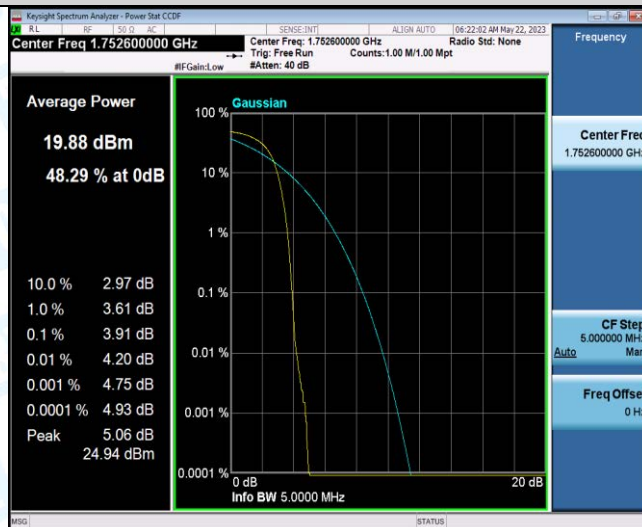




Band4-1513-3

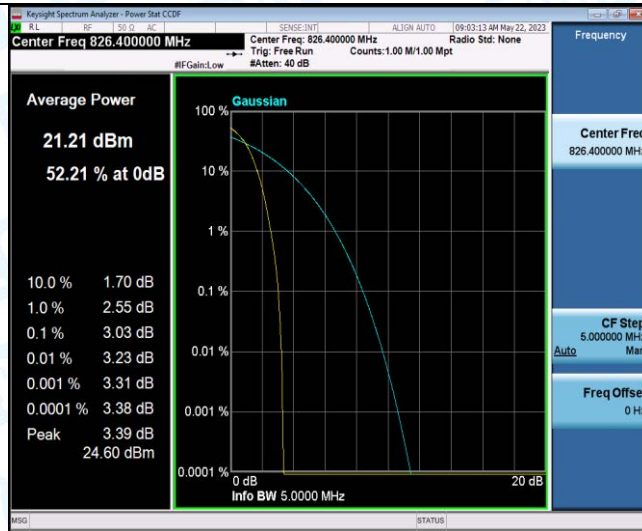


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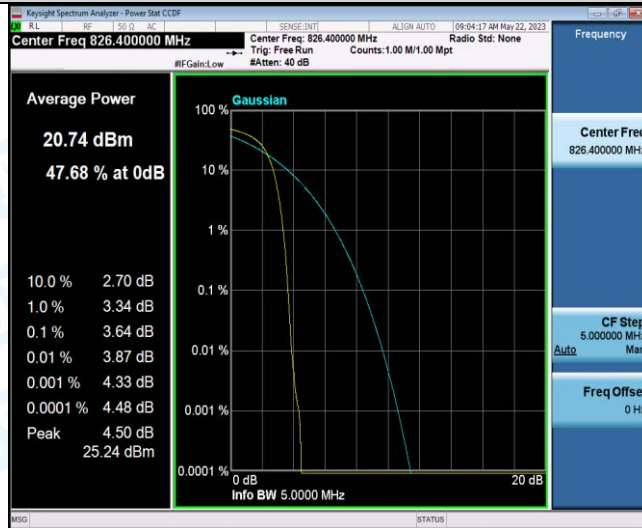


Band5-4132-1

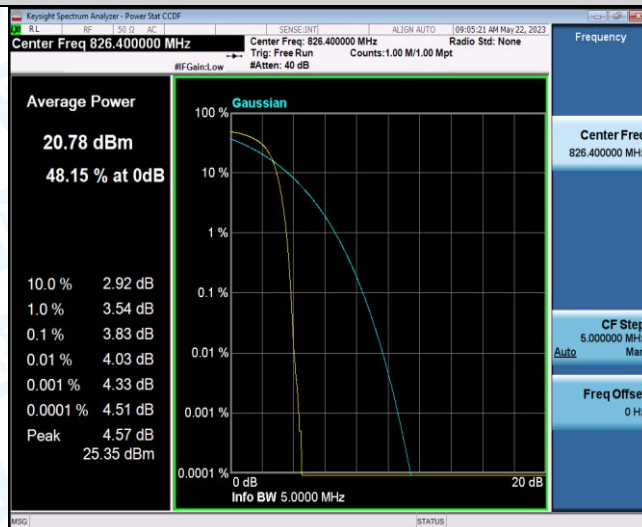




Band5-4132-2

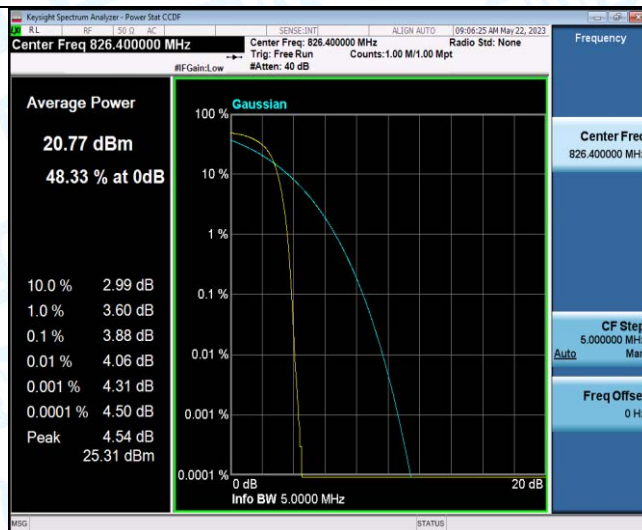


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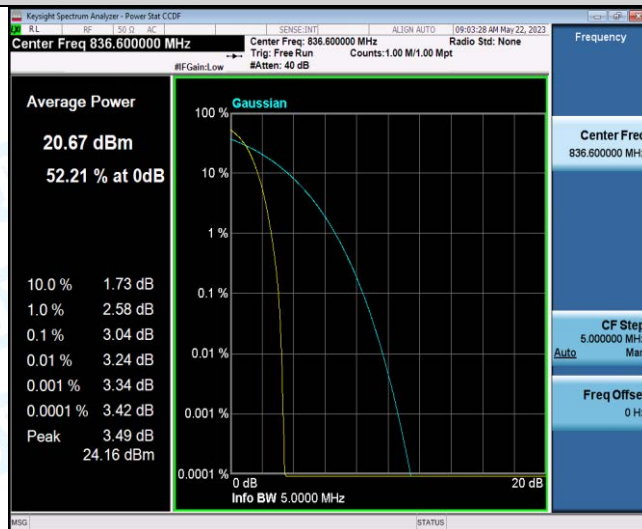


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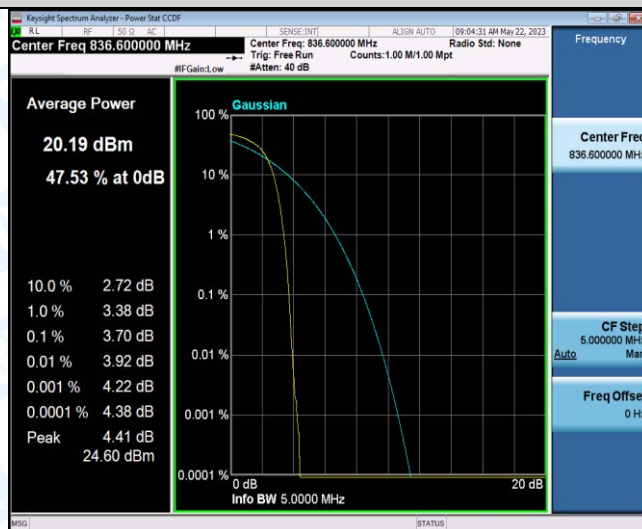




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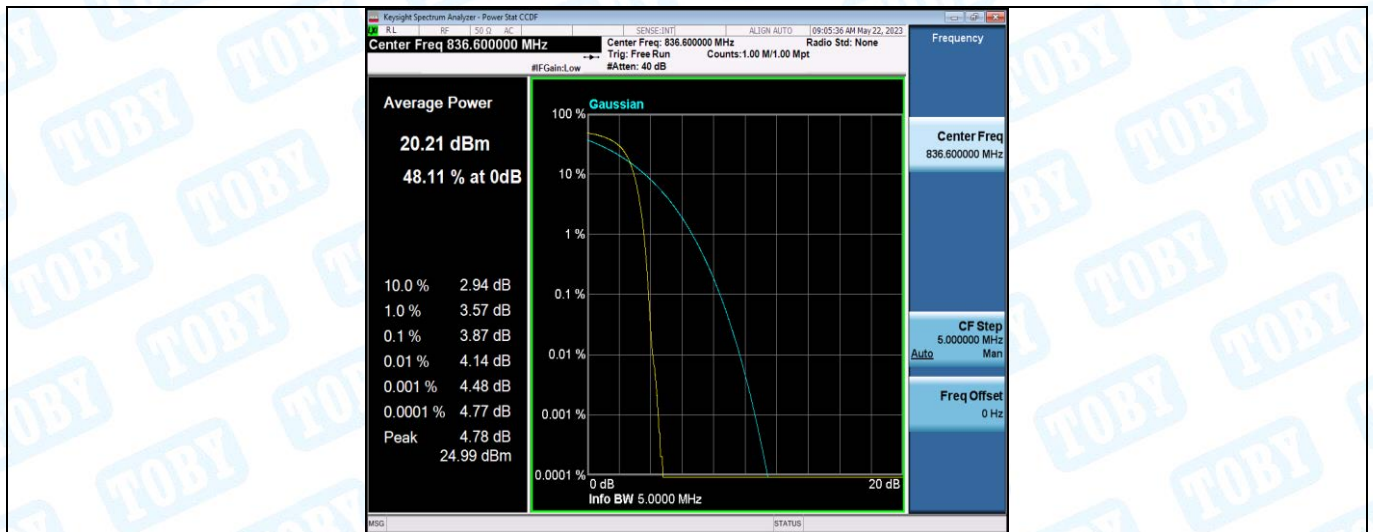


Band5-4183-2

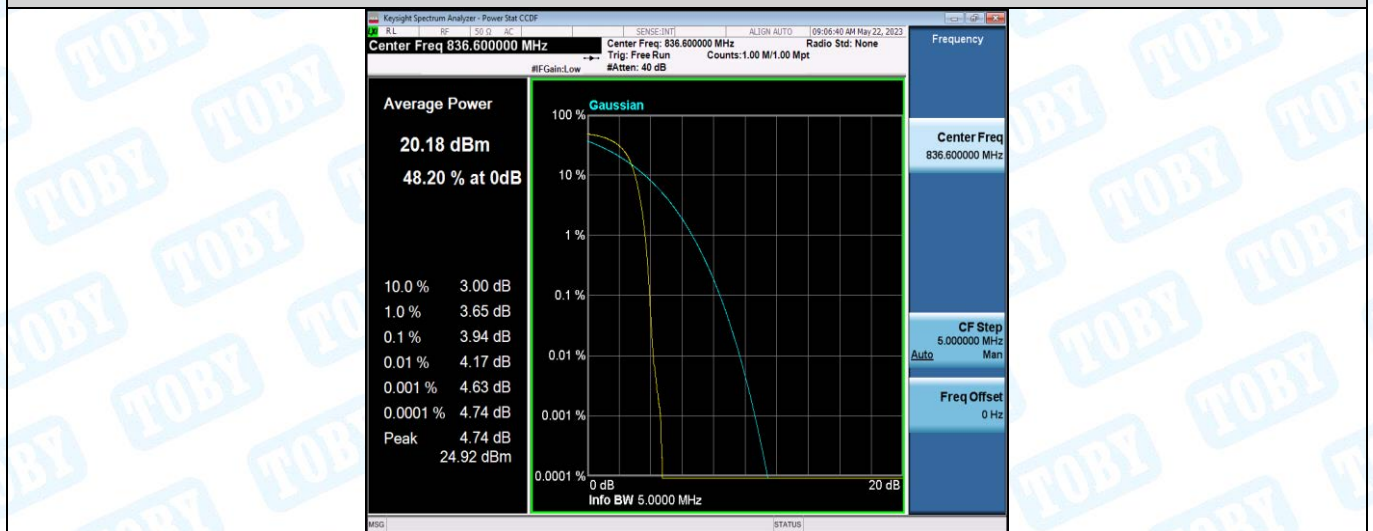


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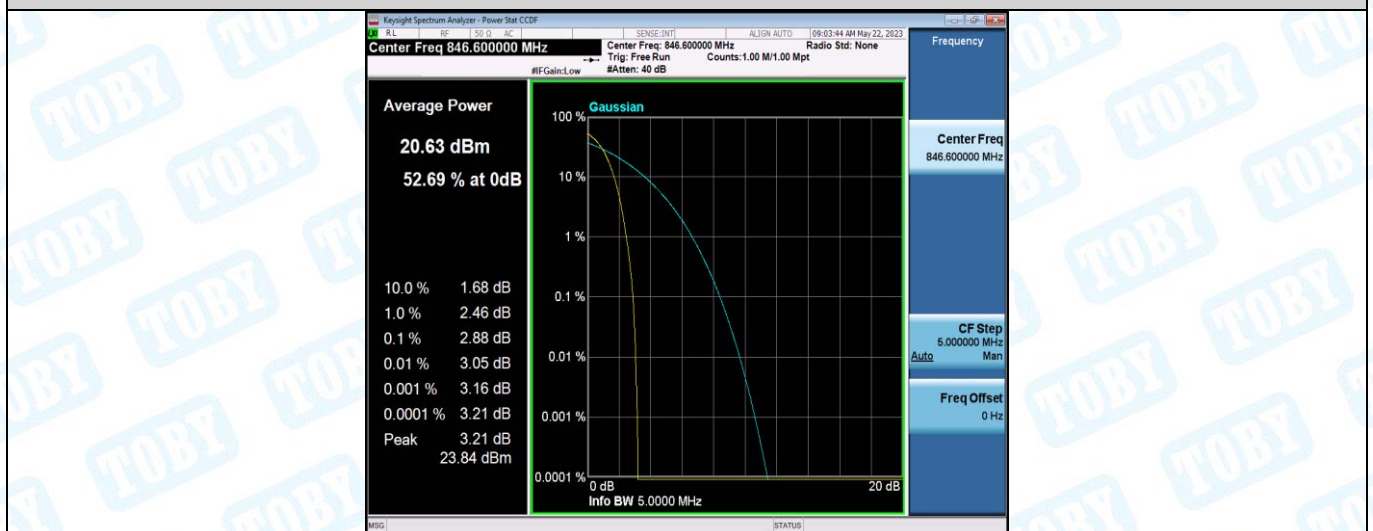




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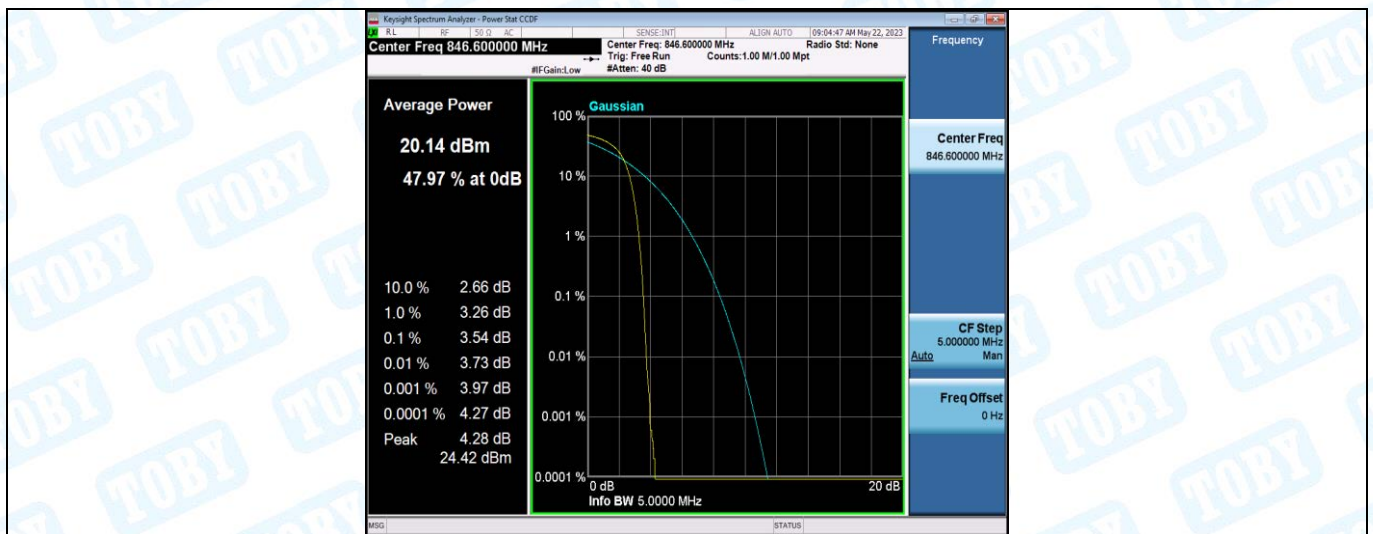


Band5-4233-1

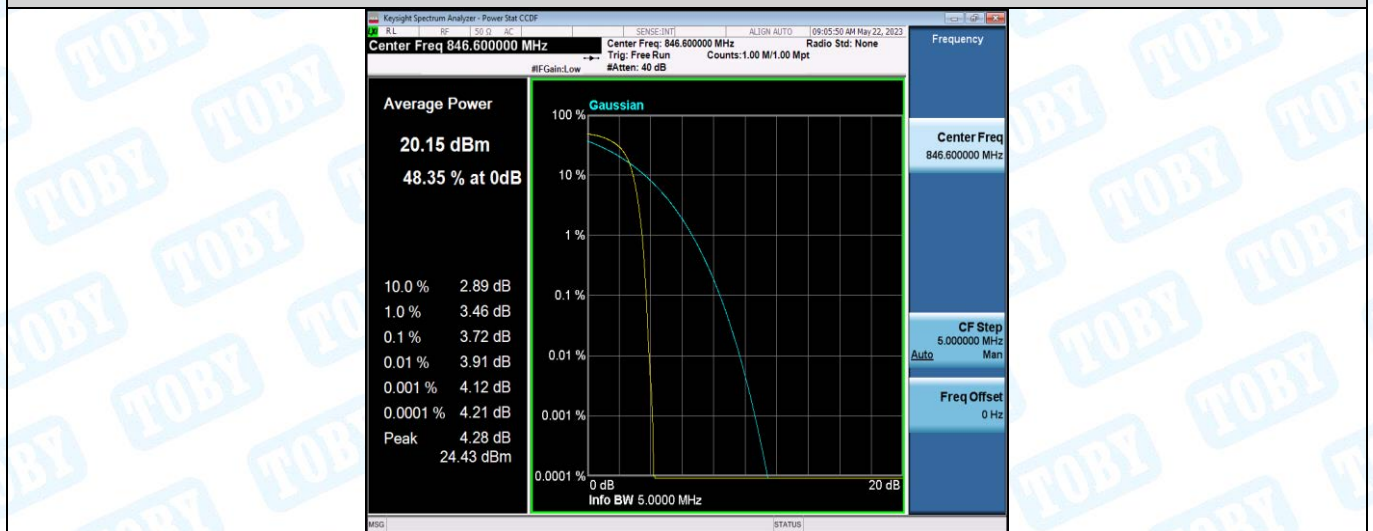


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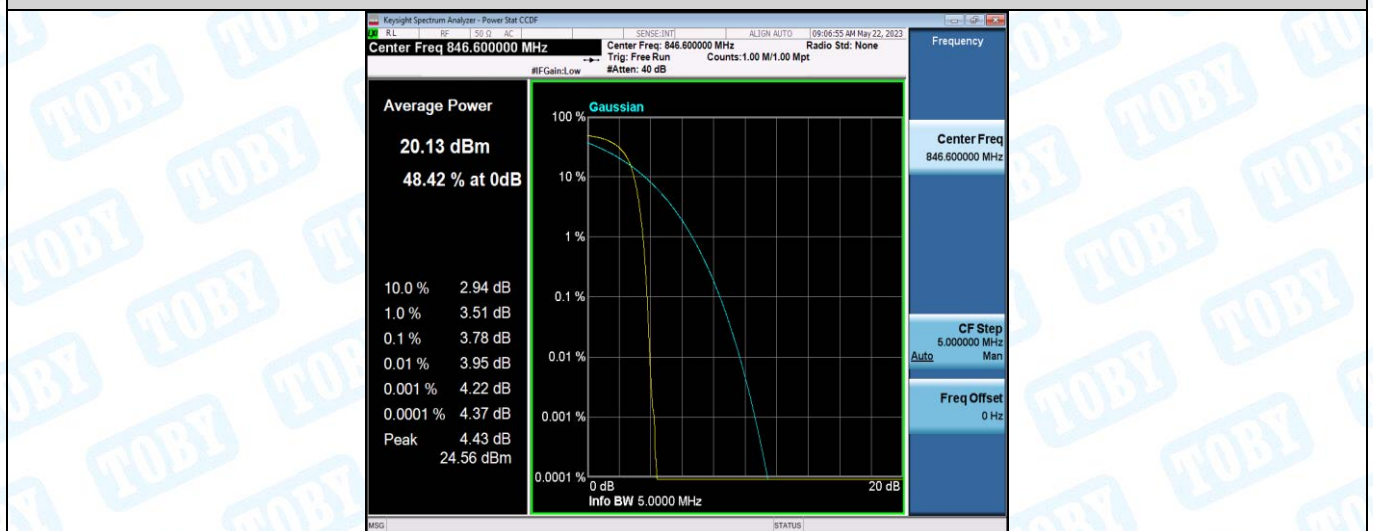




Band5-4233-3



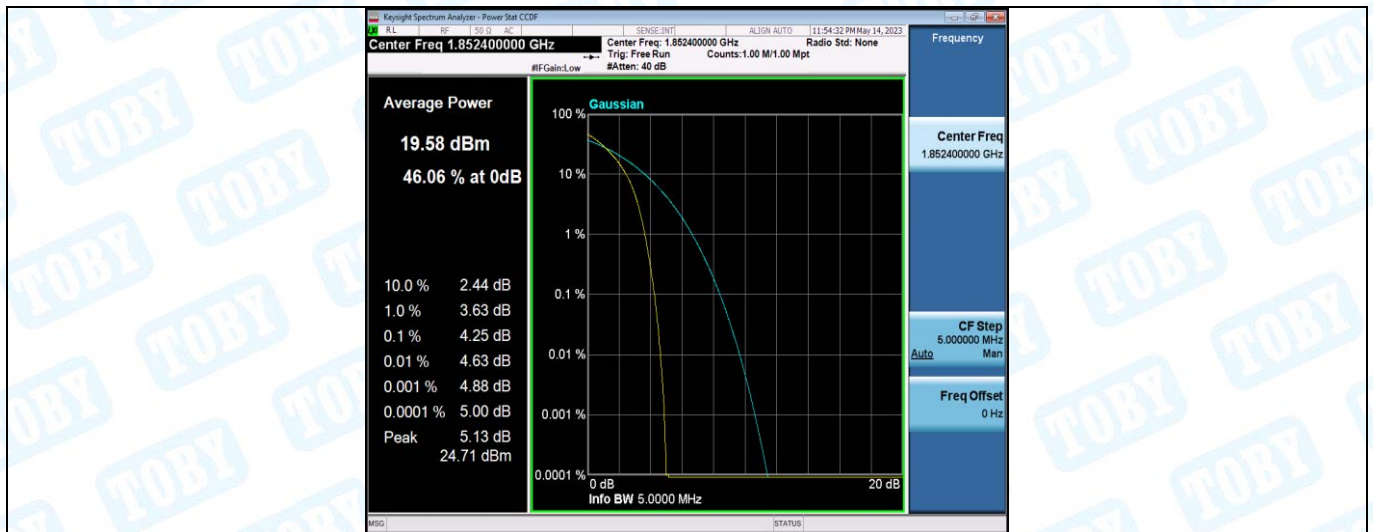
Band5-4233-4



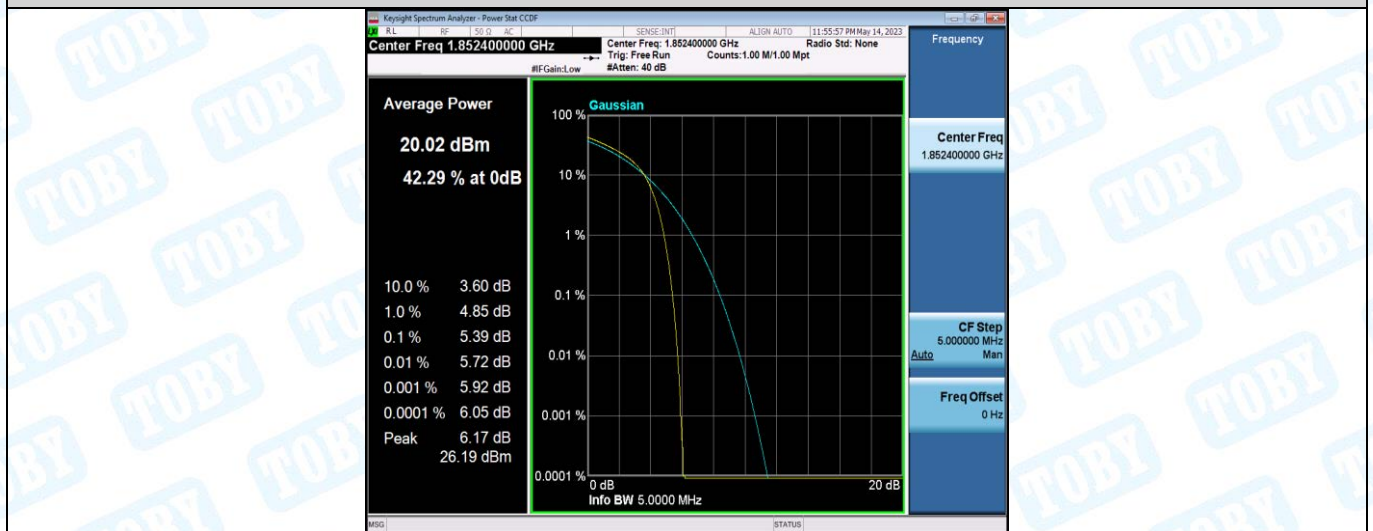
## Test Graphs(HSUPA)

Band2-9262-1

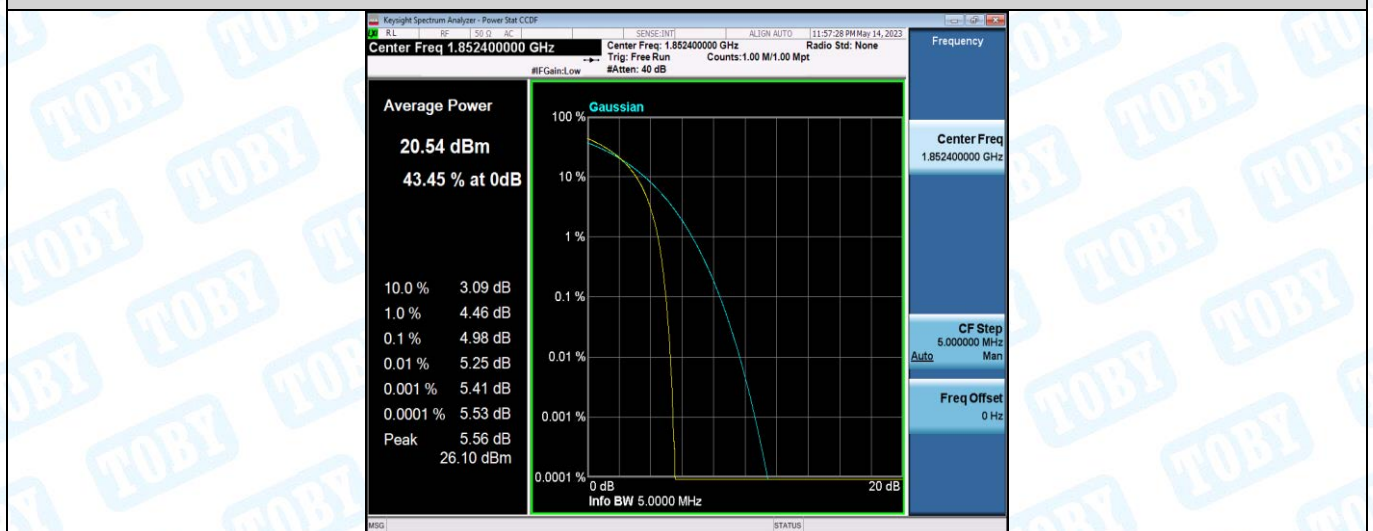




Band2-9262-2

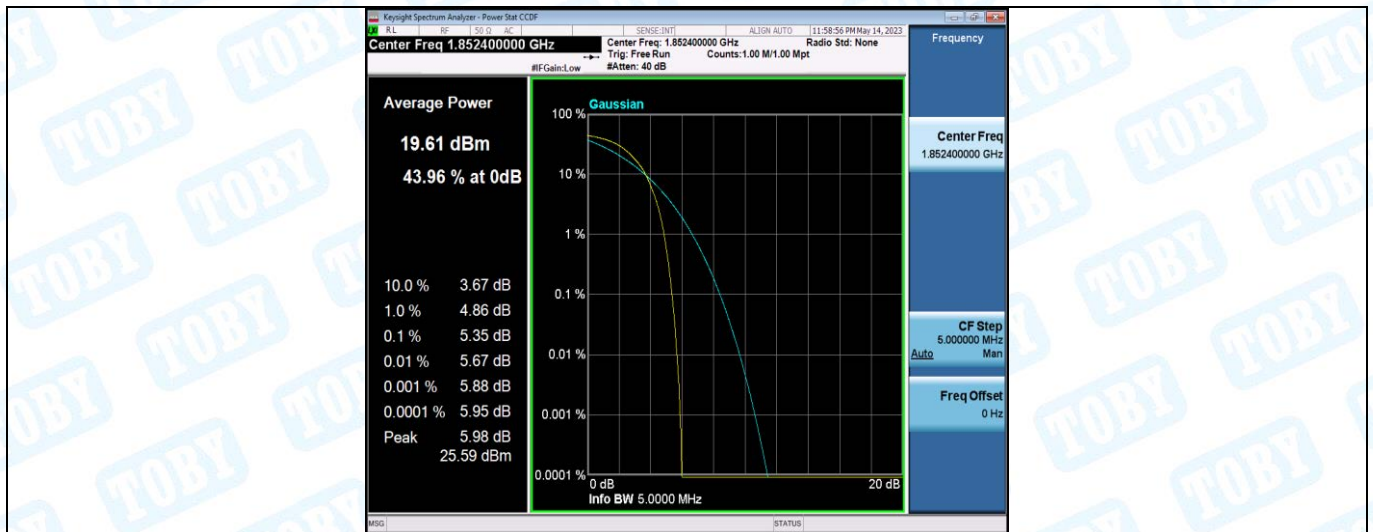


Band2-9262-3

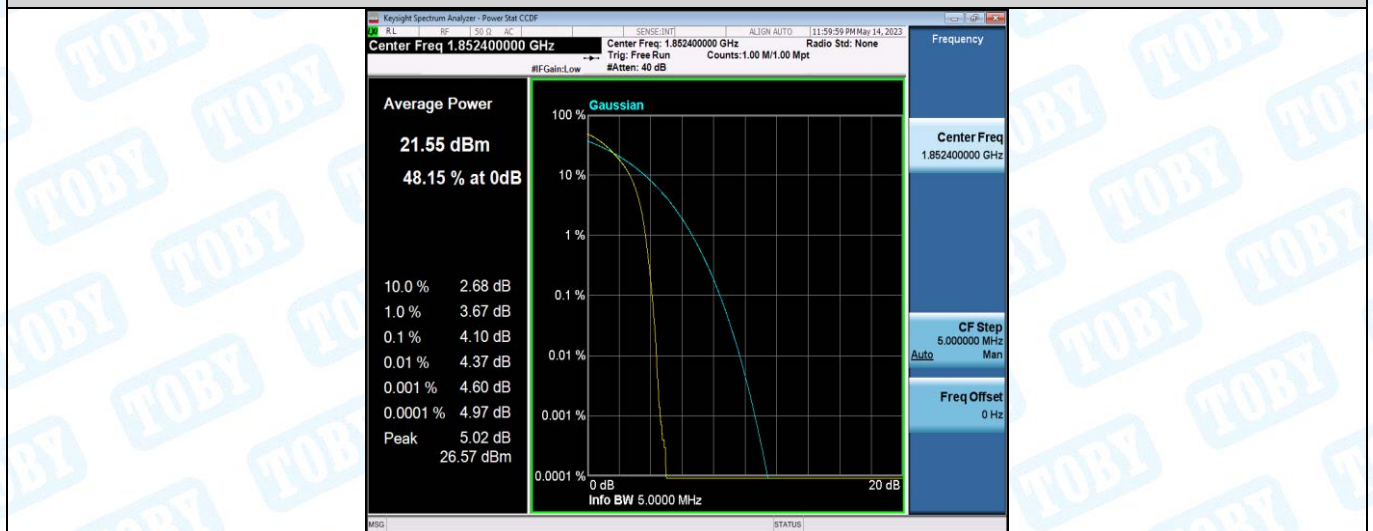


Band2-9262-4

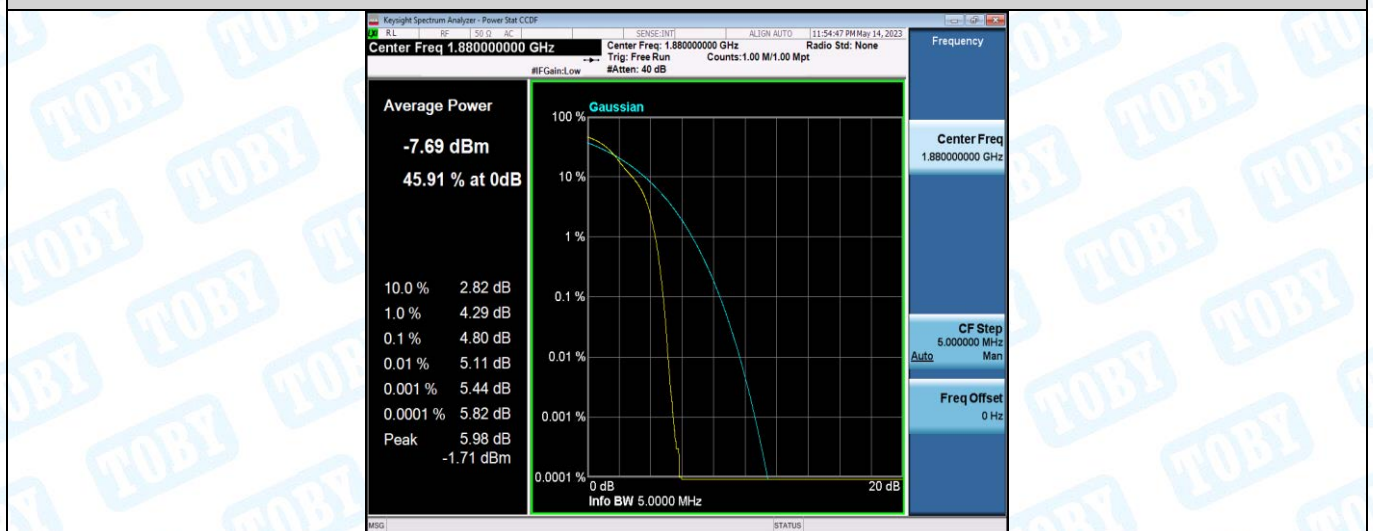




Band2-9262-5

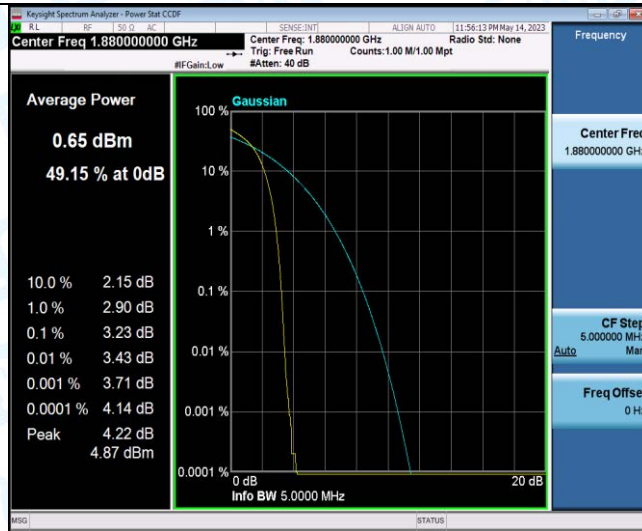


Band2-9400-1

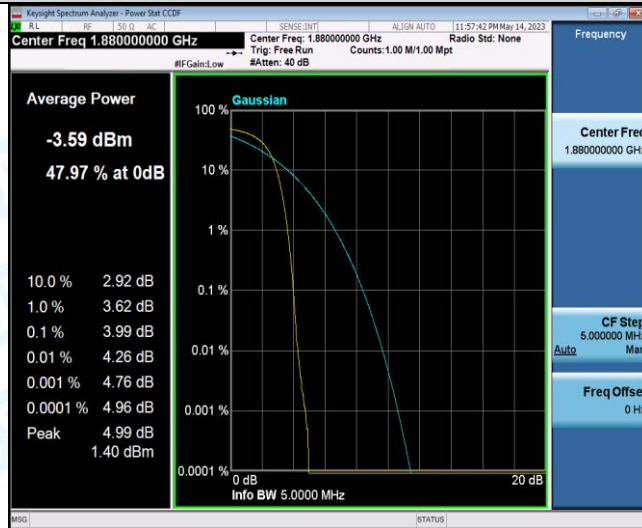


Band2-9400-2

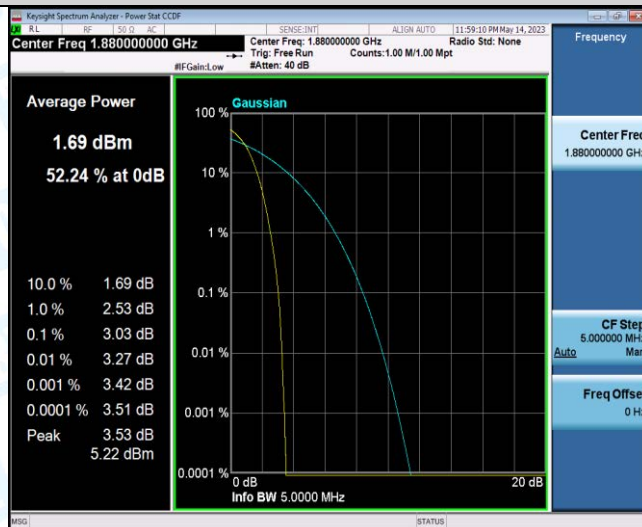




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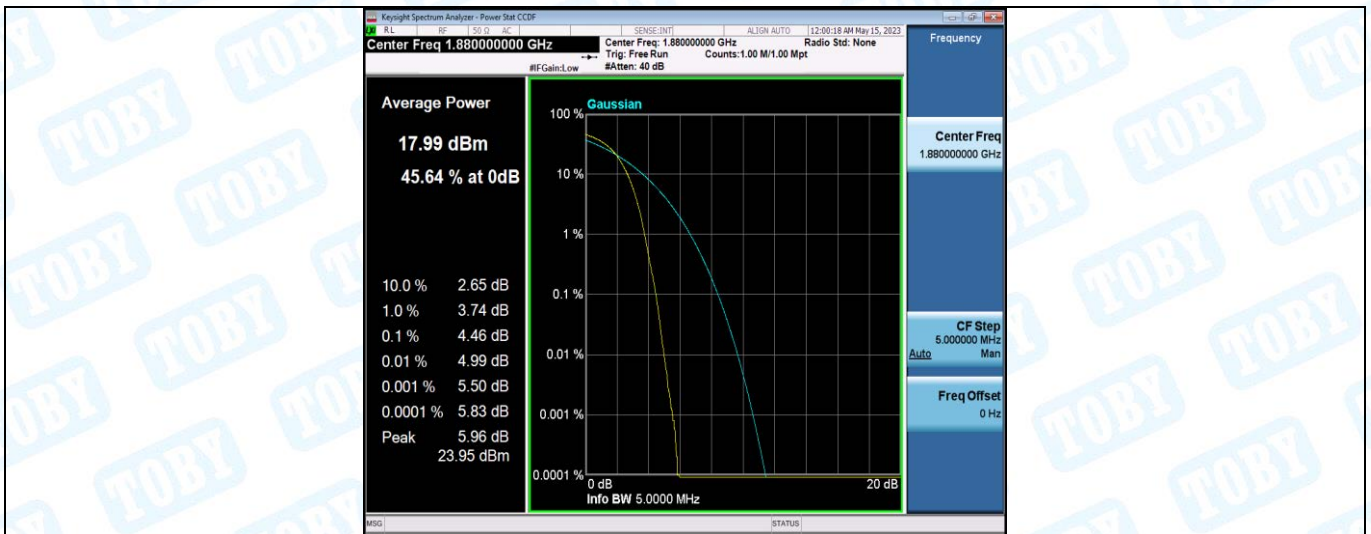


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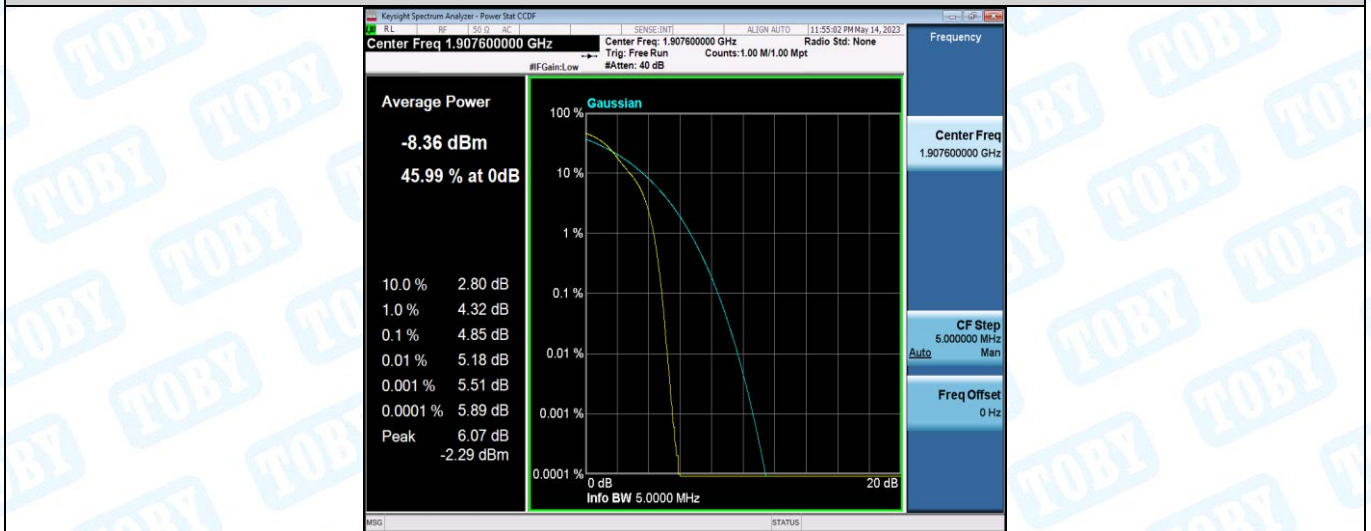


Band2-9400-5

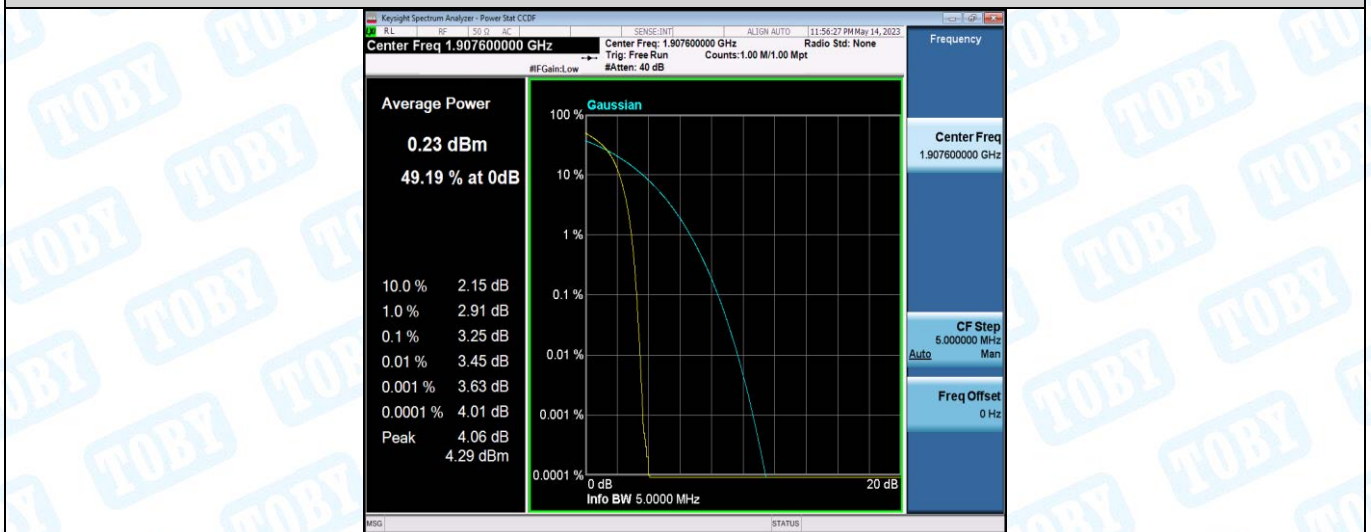




Band2-9538-1



Band2-9538-2

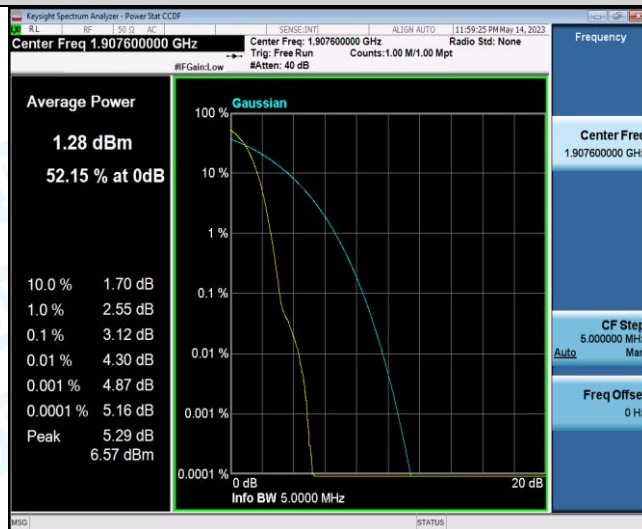


Band2-9538-3

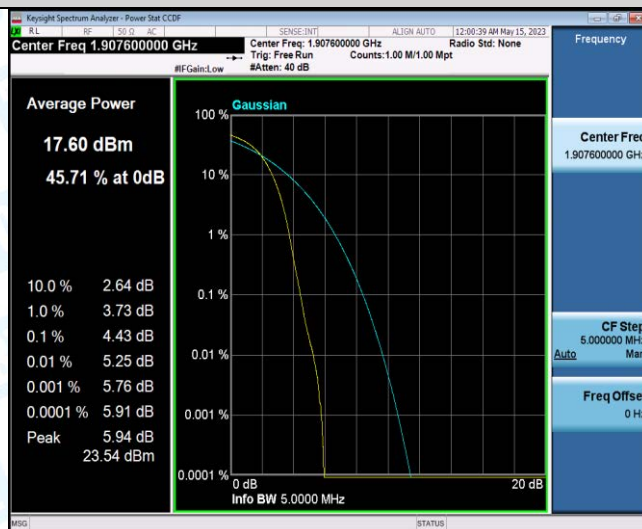




Band2-9538-4

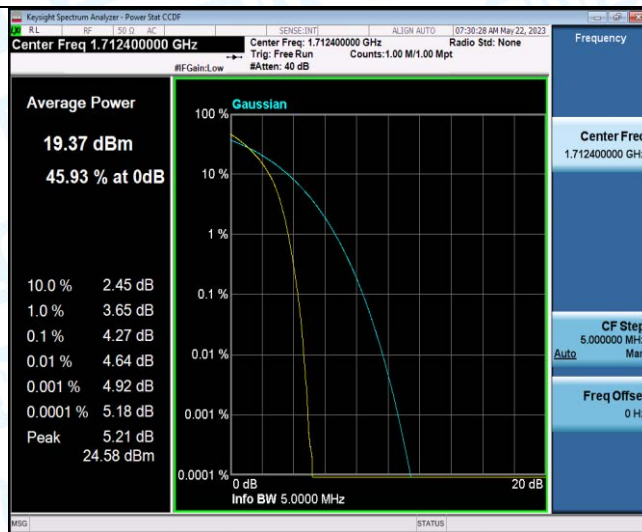


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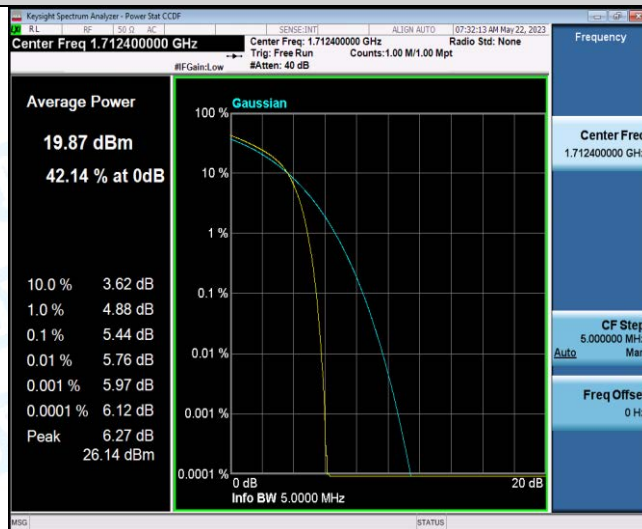


Band4-1312-1

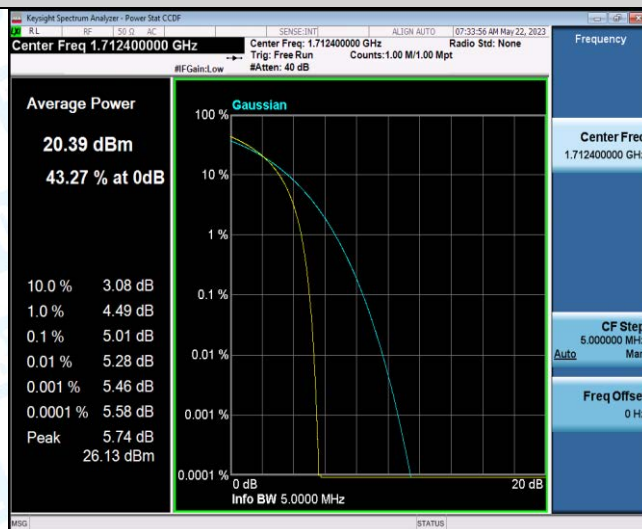




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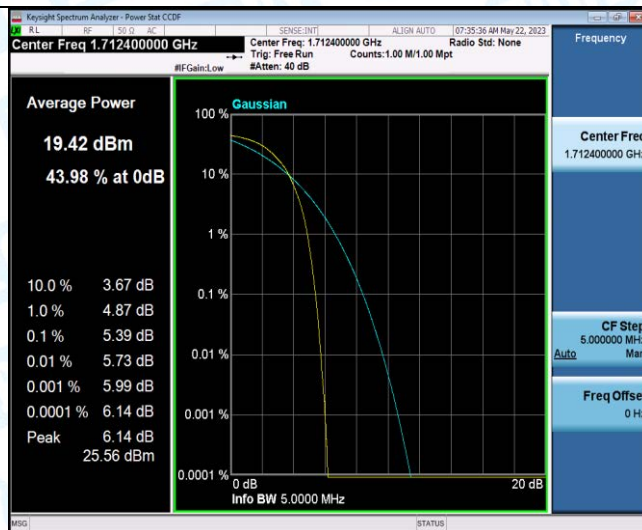


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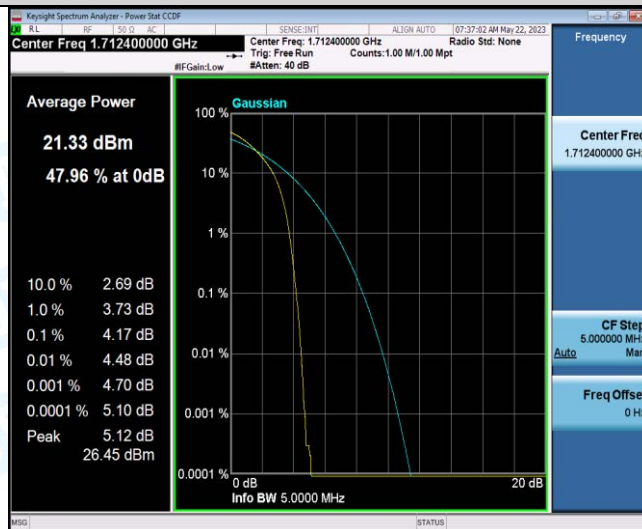


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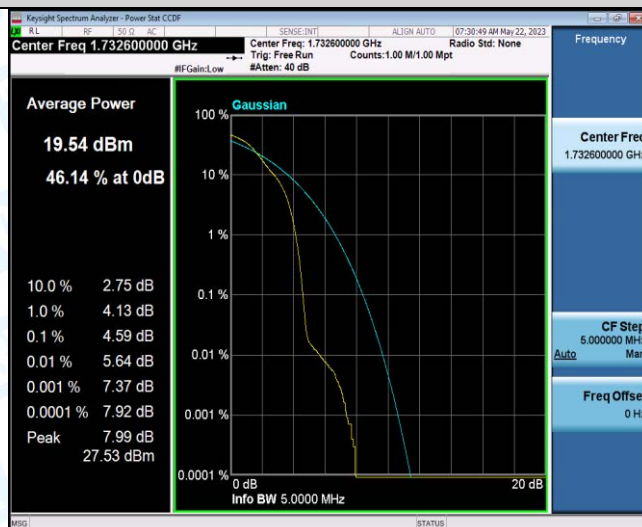




Band4-1312-5



Band4-1413-1

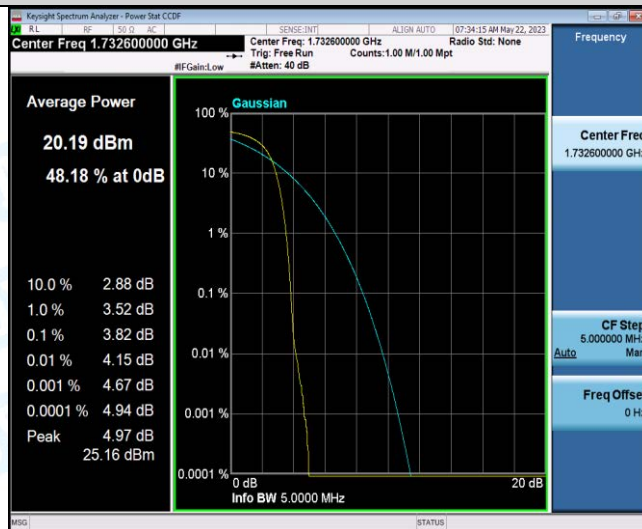


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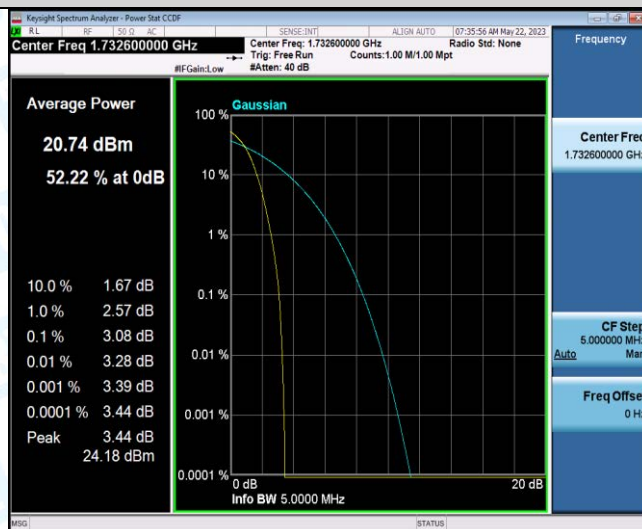




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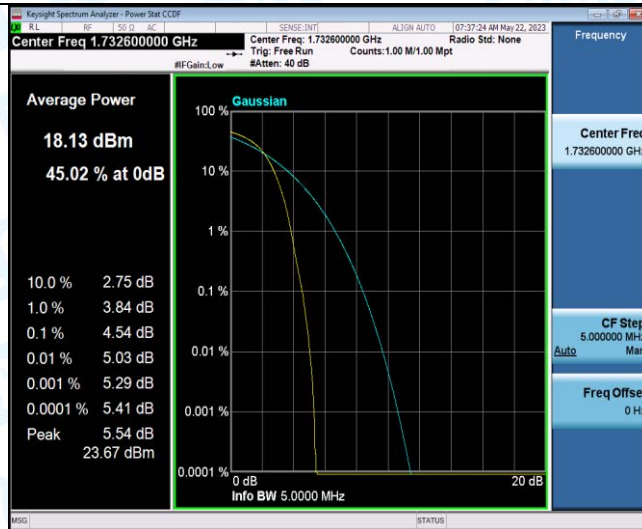


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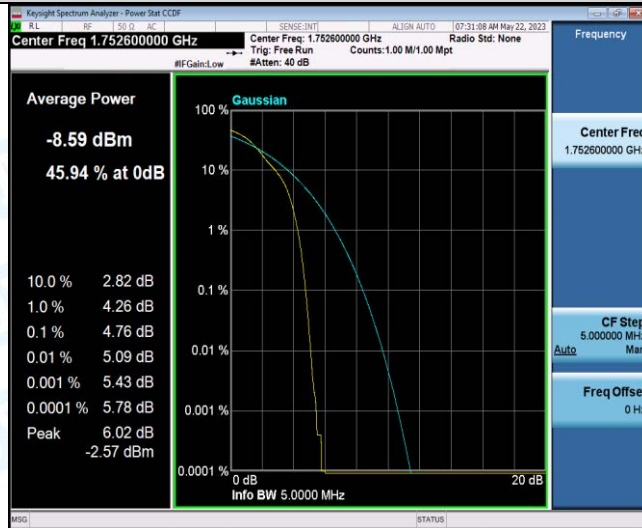


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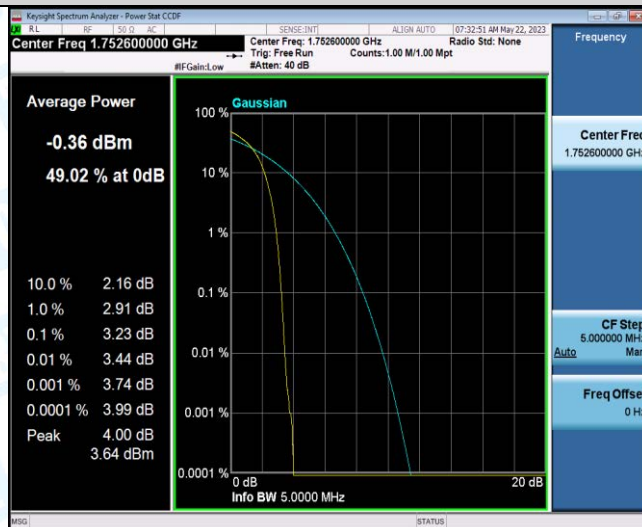




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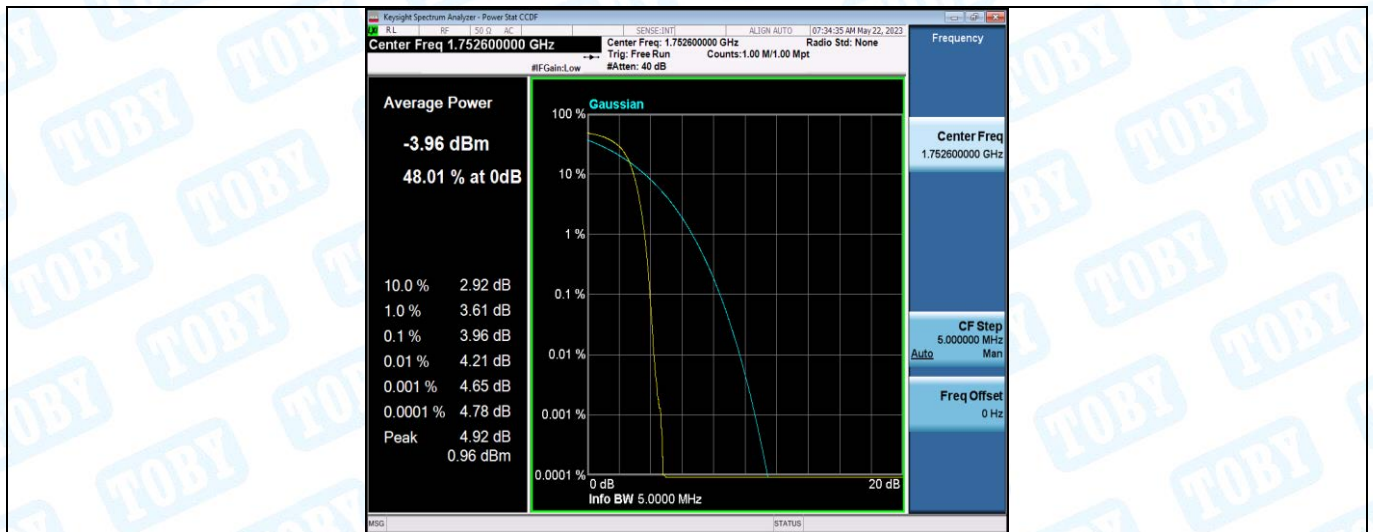


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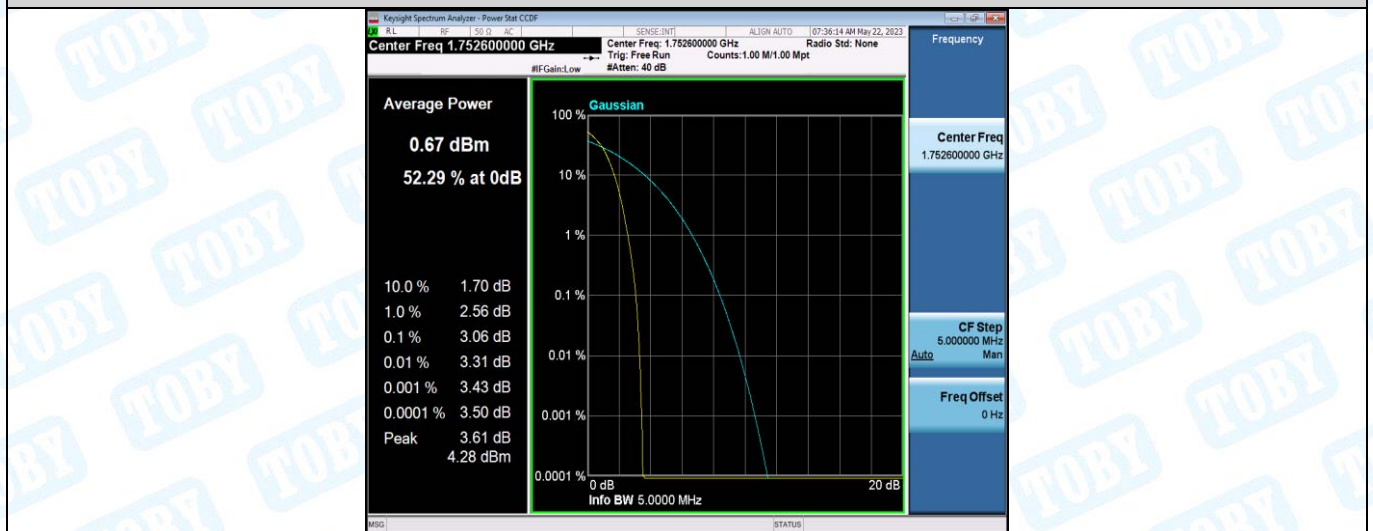


Band4-1513-3

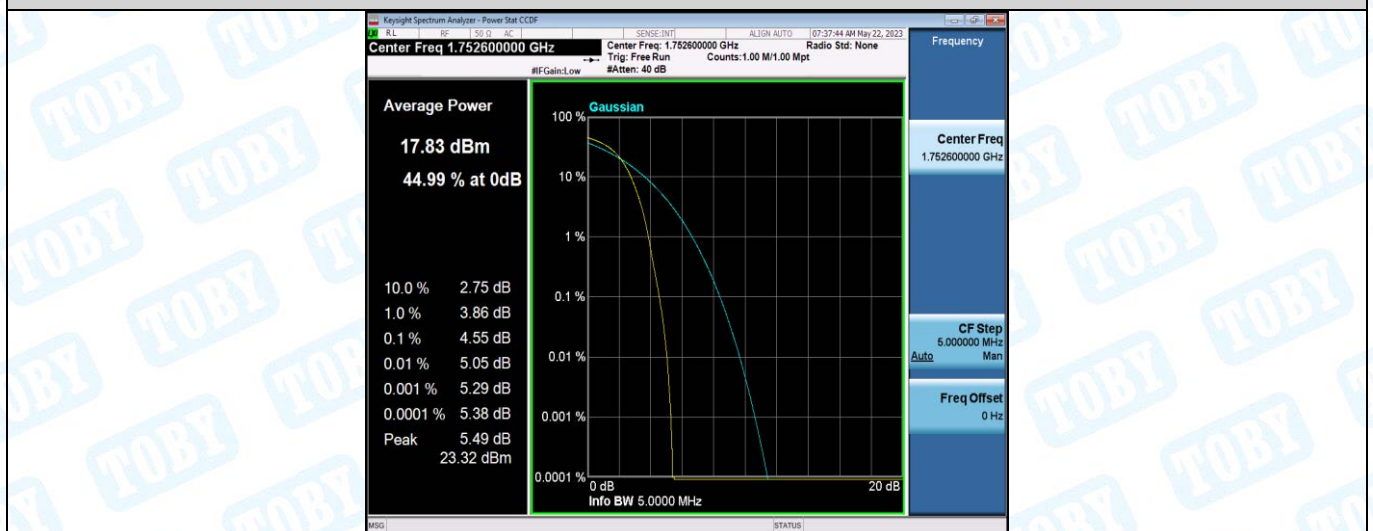




Band4-1513-4



Band4-1513-5

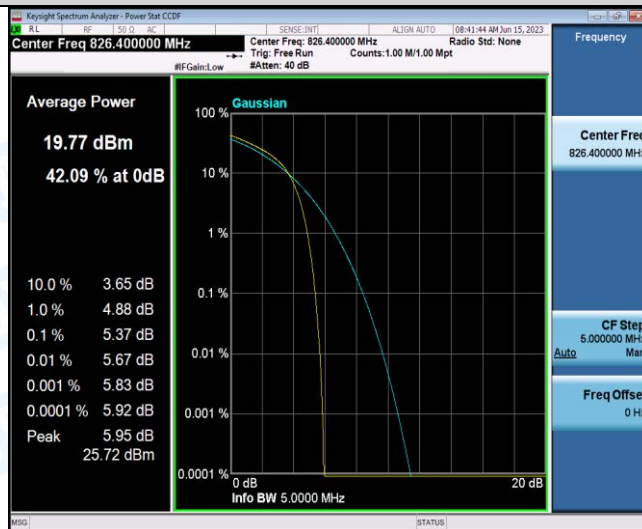


Band5-4132-1

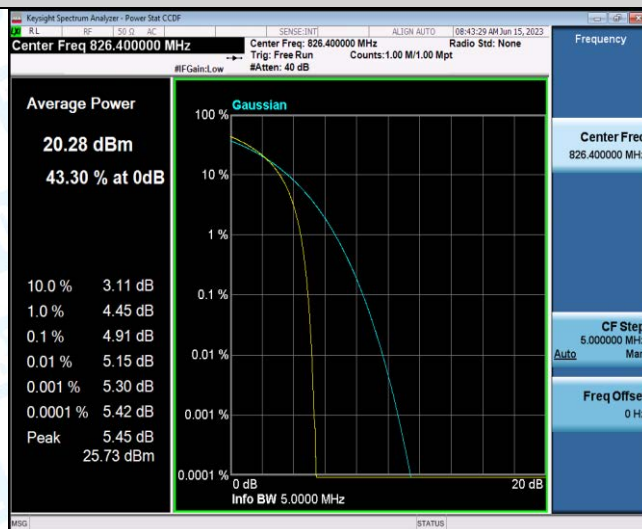




Band5-4132-2



Band5-4132-3

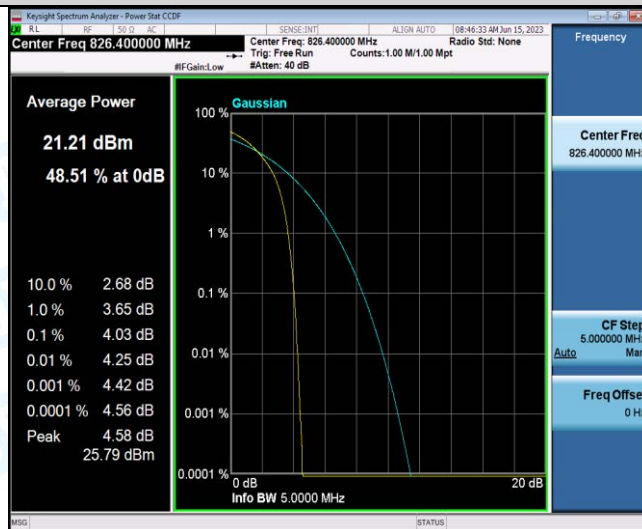


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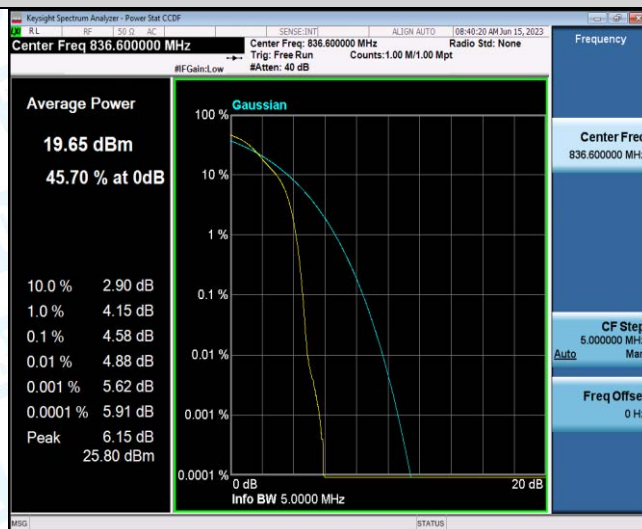




Band5-4132-5



Band5-4183-1



Band5-4183-2