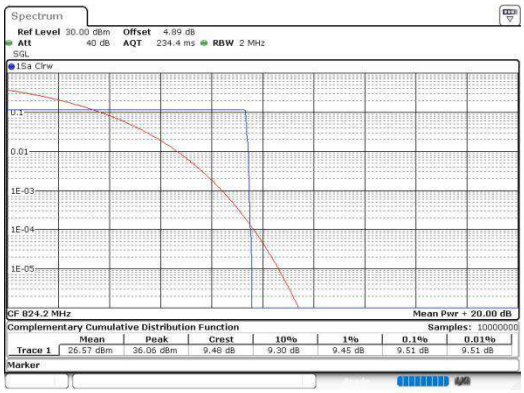
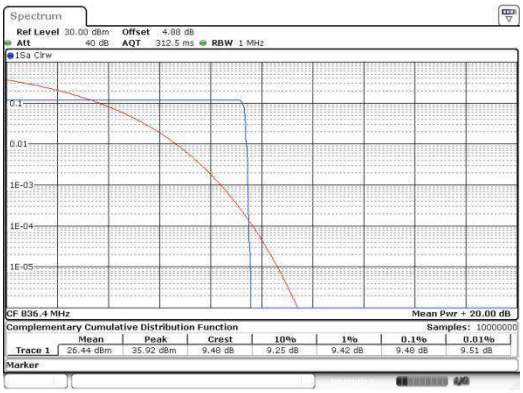
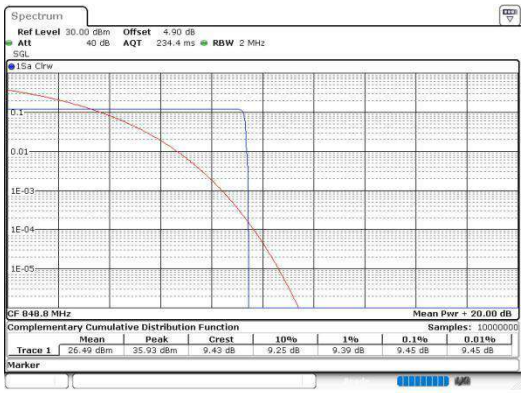
# Appendix A: Test Results of Conducted Test

## Peak to Average Ratio

### GSM850

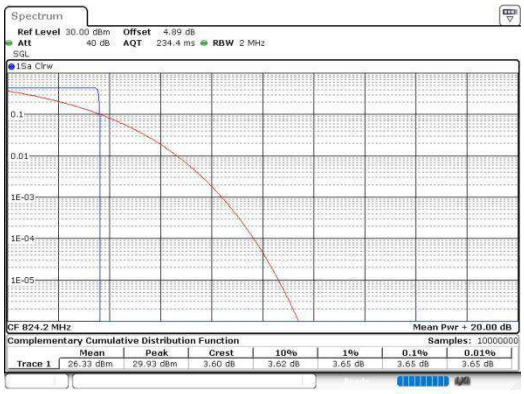
| Band | Channel | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|
| GSM850 | 128 | 9.51 | 13 | PASS |
| GSM850 | 189 | 9.48 | 13 | PASS |
| GSM850 | 251 | 9.45 | 13 | PASS |

| GSM850-128-5-PASS | GSM850-189-5-PASS |
|---|---|
|  |  |
| **GSM850-251-5-PASS** | |
|  | |

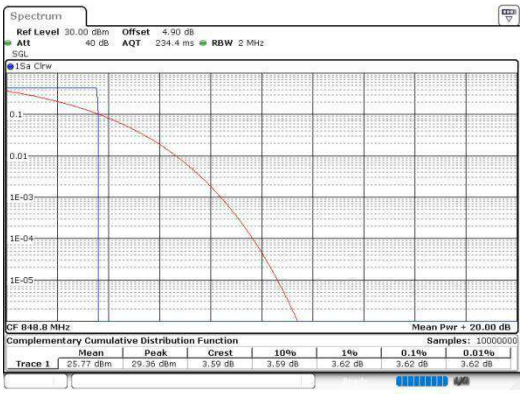
## EDGE850

| Band | Channel | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|
| EDGES850 | 128 | 3.65 | 13 | PASS |
| EDGES850 | 251 | 3.62 | 13 | PASS |
| EDGES850 | 189 | 3.71 | 13 | PASS |

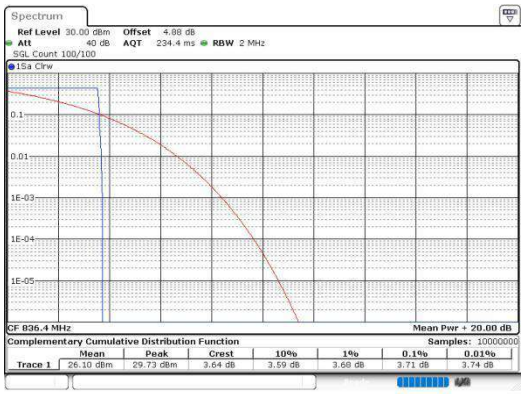
EDGE850-128-5-PASS




EDGE850-251-5-PASS

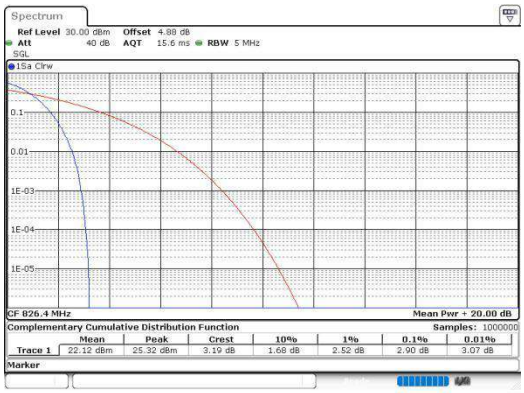
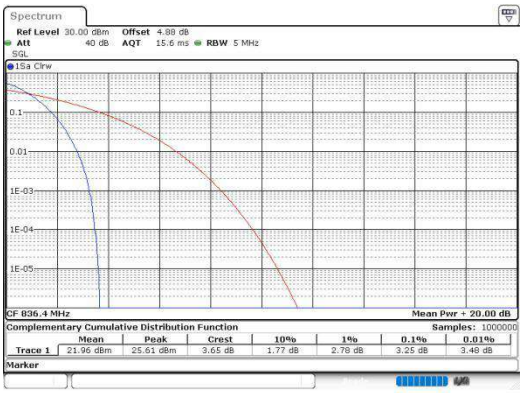
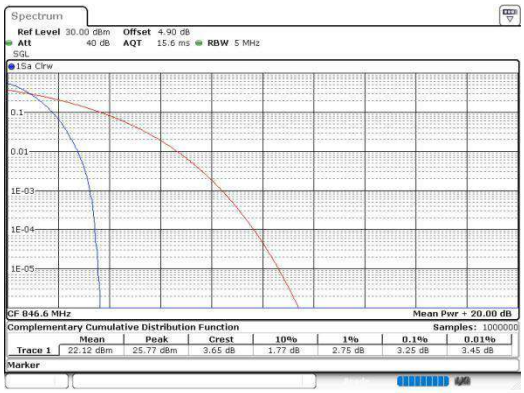



EDGE850-189-5-PASS



## WCDMA Band V

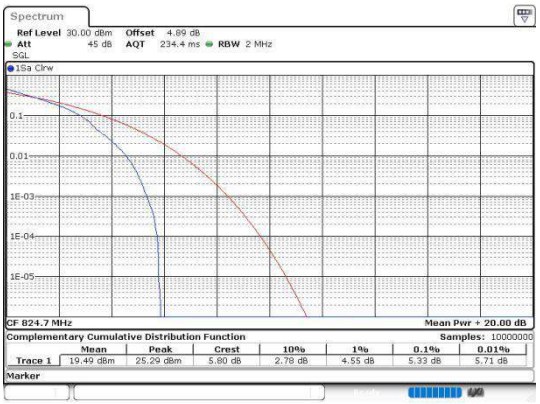
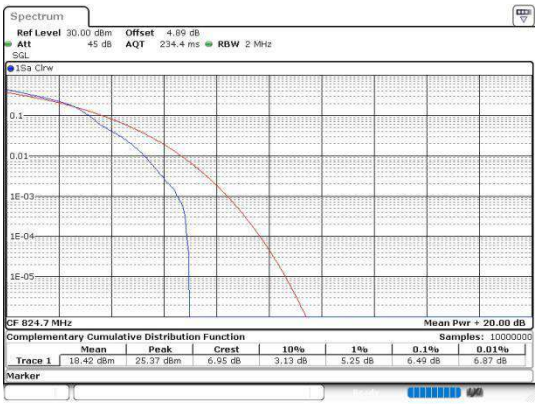
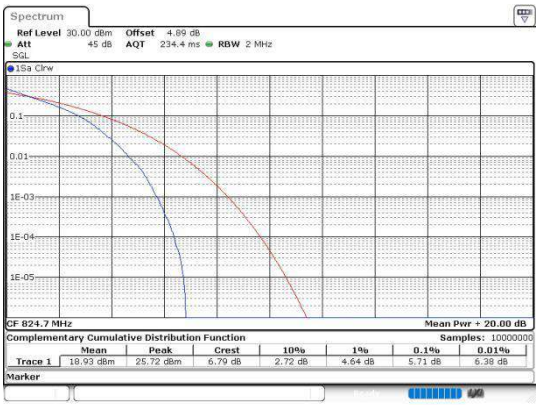
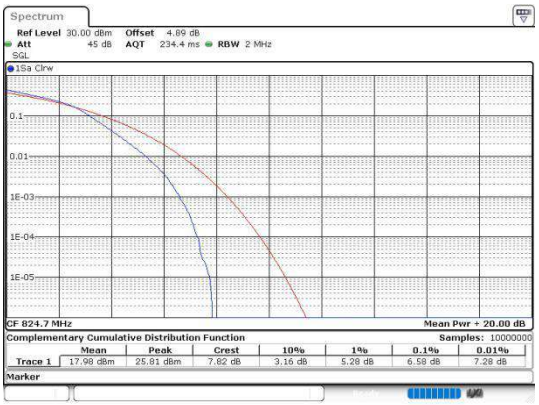
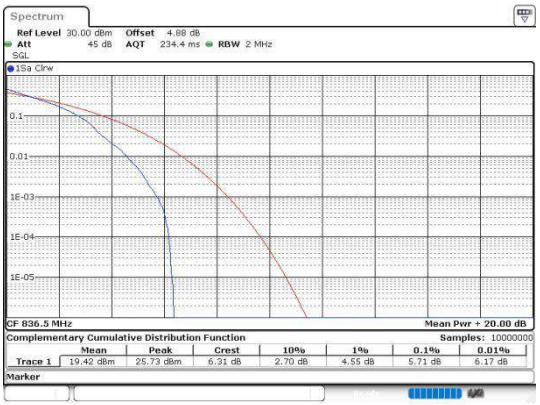
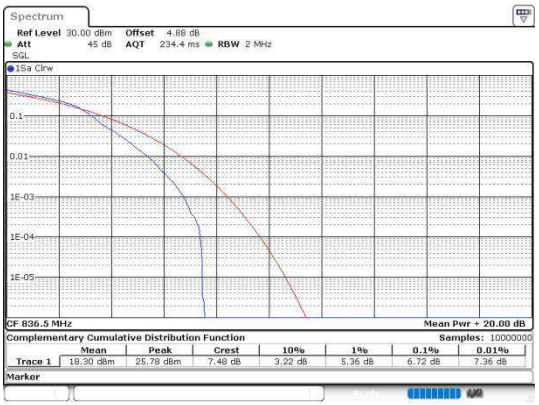
| Band | Channel | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|
| Band5 | 4132 | 2.9 | 13 | PASS |
| Band5 | 4182 | 3.25 | 13 | PASS |
| Band5 | 4233 | 3.25 | 13 | PASS |

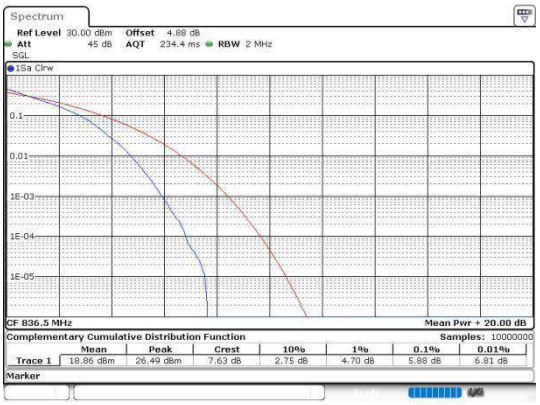
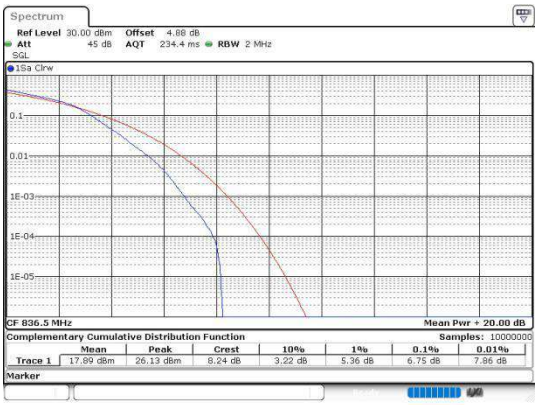
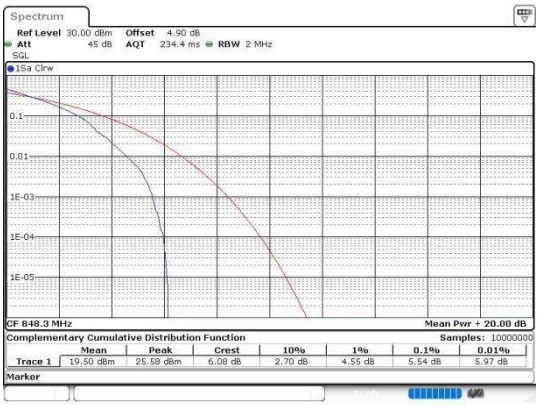
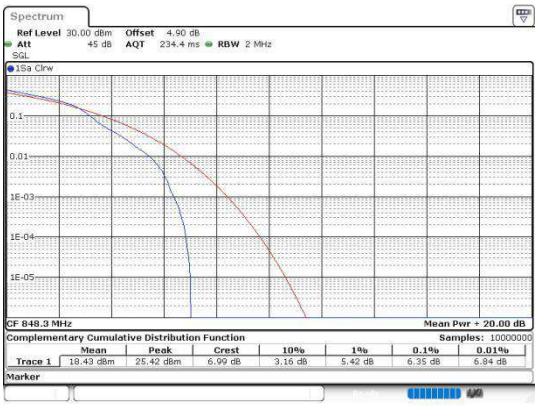
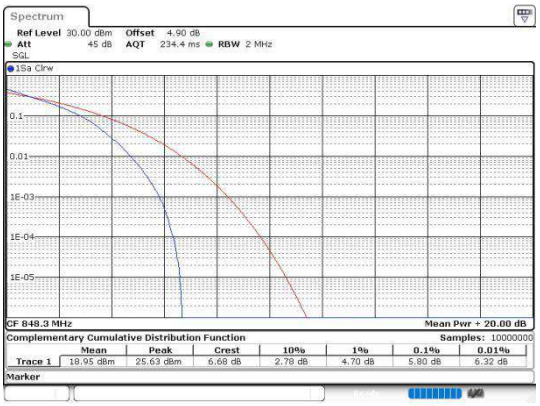
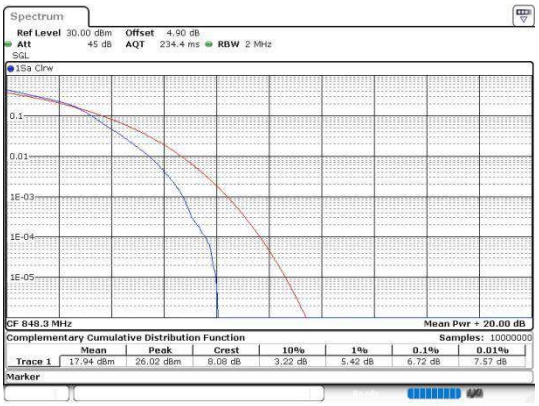
| Band5-4132-PASS | Band5-4182-PASS |
|---|---|
|  |  |
| **Band5-4233-PASS** | |
|  | |

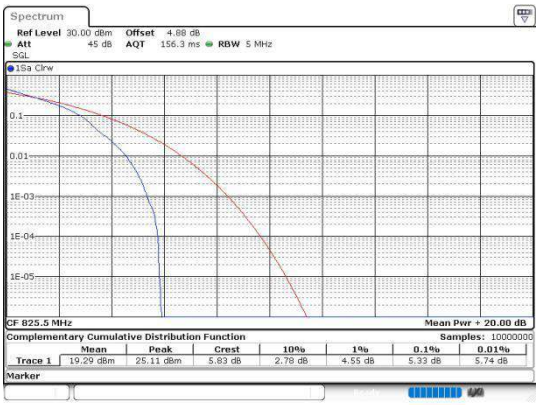
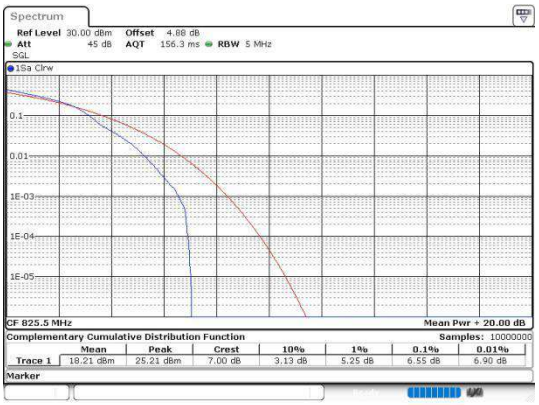
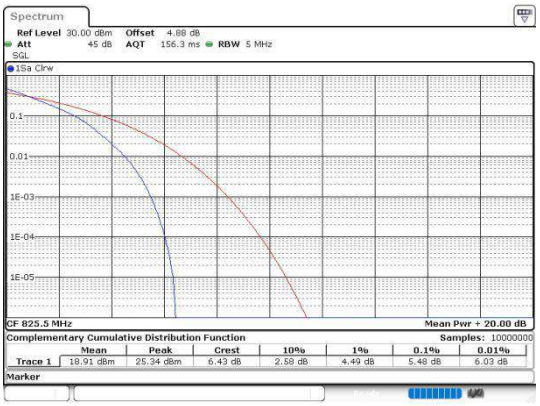
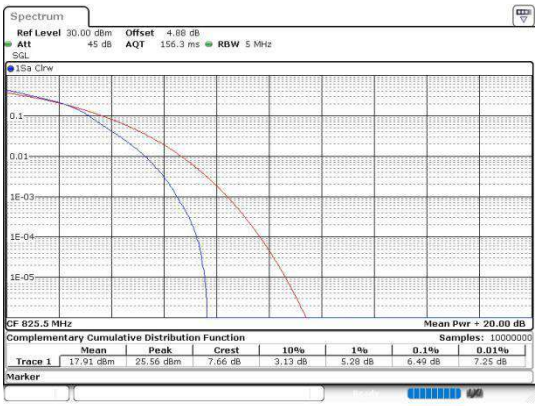
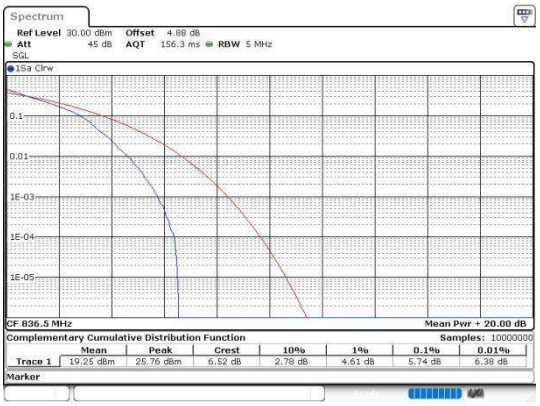
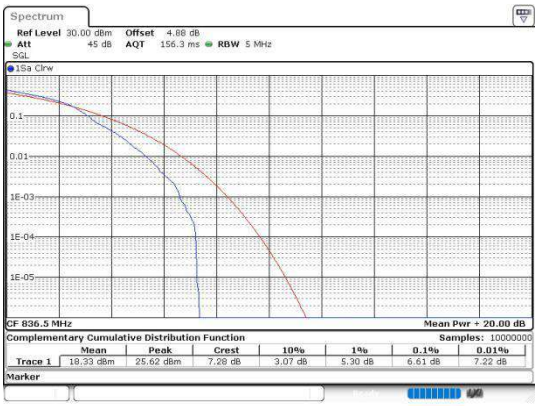
## LTE Band 5 _ QPSK & 16QAM

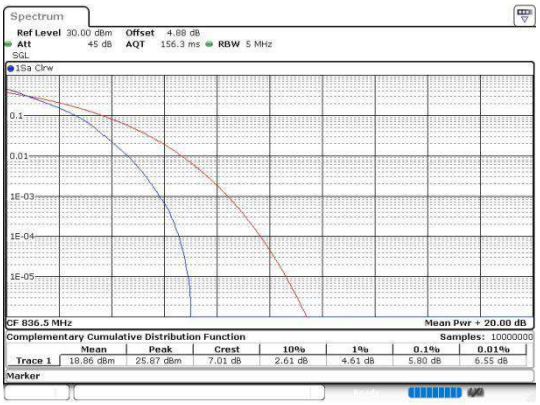
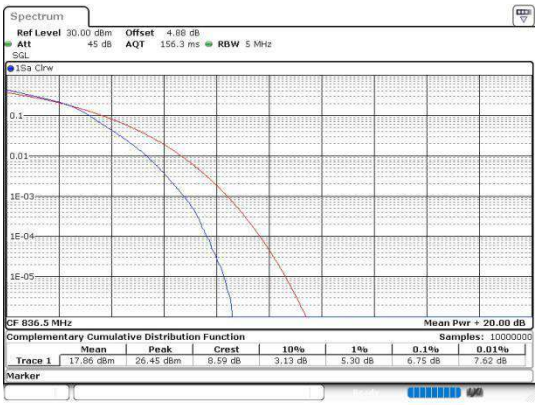
| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|
| Band5 | 1.4MHz | QPSK | 20407 | 1RB#0 | 5.33 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 1RB#0 | 6.49 | 13 | PASS |
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | 5.71 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | 6.58 | 13 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 1RB#0 | 5.71 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 1RB#0 | 6.72 | 13 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | 5.88 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | 6.75 | 13 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 1RB#0 | 5.54 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 1RB#0 | 6.35 | 13 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | 5.80 | 13 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | 6.72 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 1RB#0 | 5.33 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 1RB#0 | 6.55 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | 5.48 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | 6.49 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 1RB#0 | 5.74 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 1RB#0 | 6.61 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | 5.80 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | 6.75 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 1RB#0 | 5.74 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 1RB#0 | 6.46 | 13 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | 5.77 | 13 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | 6.67 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 1RB#0 | 5.16 | 13 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 1RB#0 | 5.88 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | 5.39 | 13 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | 6.32 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 1RB#0 | 5.42 | 13 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 1RB#0 | 5.97 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | 5.65 | 13 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | 6.55 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 1RB#0 | 5.68 | 13 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 1RB#0 | 6.38 | 13 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | 5.62 | 13 | PASS |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | 6.52 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 1RB#0 | 5.16 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | 6.32 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | 5.36 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | 6.35 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 1RB#0 | 5.13 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | 6.03 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | 5.57 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | 6.58 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 1RB#0 | 5.71 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | 6.43 | 13 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | 5.59 | 13 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | 6.64 | 13 | PASS |

| Band5-1.4MHz-QPSK-20407-1RB#0-PASS | Band5-1.4MHz-16QAM-20407-1RB#0-PASS |
|---|---|
|  |  |
| **Band5-1.4MHz-QPSK-20407-6RB#0-PASS** | **Band5-1.4MHz-16QAM-20407-6RB#0-PASS** |
|  |  |
| **Band5-1.4MHz-QPSK-20525-1RB#0-PASS** | **Band5-1.4MHz-16QAM-20525-1RB#0-PASS** |
|  |  |

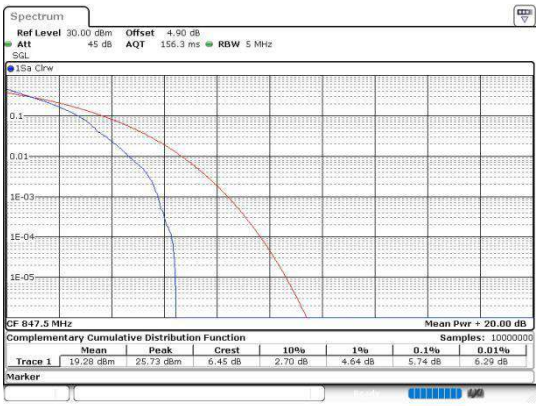
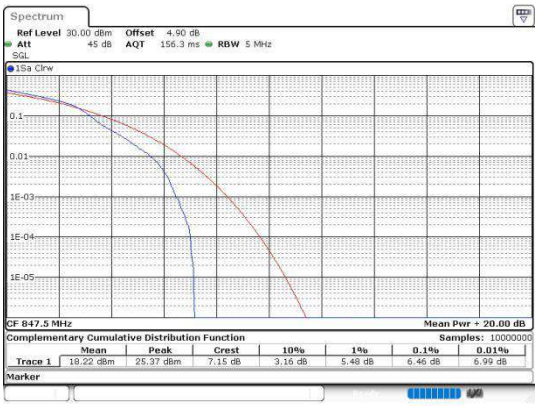
| Band5-1.4MHz-QPSK-20525-6RB#0-PASS | Band5-1.4MHz-16QAM-20525-6RB#0-PASS |
|---|---|
|  |  |
| **Band5-1.4MHz-QPSK-20643-1RB#0-PASS** | **Band5-1.4MHz-16QAM-20643-1RB#0-PASS** |
|  |  |
| **Band5-1.4MHz-QPSK-20643-6RB#0-PASS** | **Band5-1.4MHz-16QAM-20643-6RB#0-PASS** |
|  |  |

| Band5-3MHz-QPSK-20415-1RB#0-PASS | Band5-3MHz-16QAM-20415-1RB#0-PASS |
|---|---|
|  |  |
| **Band5-3MHz-QPSK-20415-15RB#0-PASS** | **Band5-3MHz-16QAM-20415-15RB#0-PASS** |
|  |  |
| **Band5-3MHz-QPSK-20525-1RB#0-PASS** | **Band5-3MHz-16QAM-20525-1RB#0-PASS** |
|  |  |

| Band5-3MHz-QPSK-20525-15RB#0-PASS | Band5-3MHz-16QAM-20525-15RB#0-PASS |
|---|---|
|  |  |

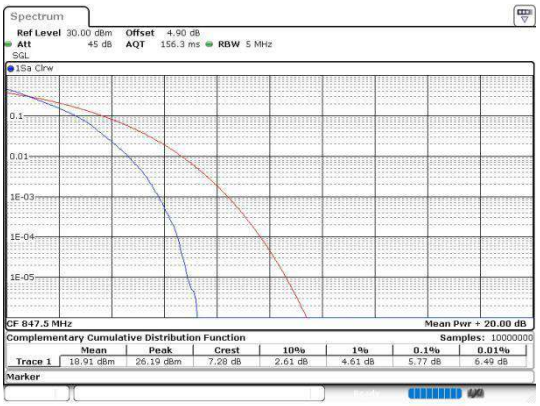
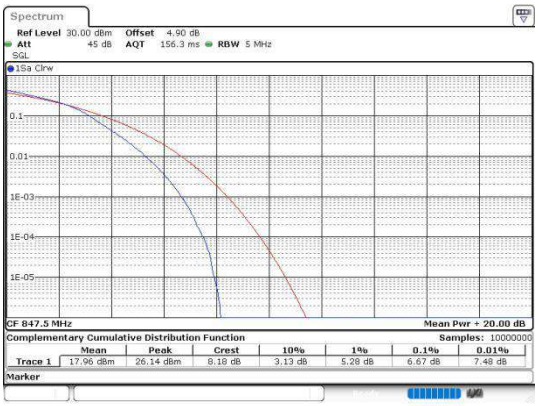


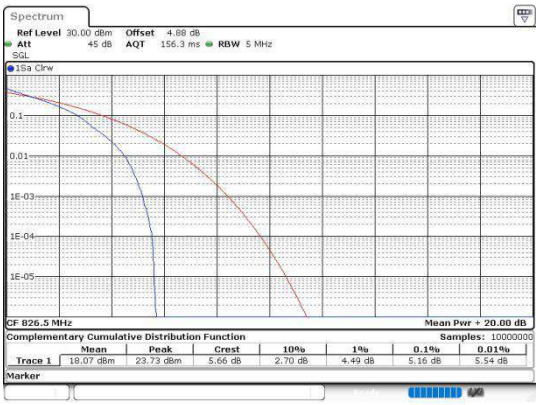
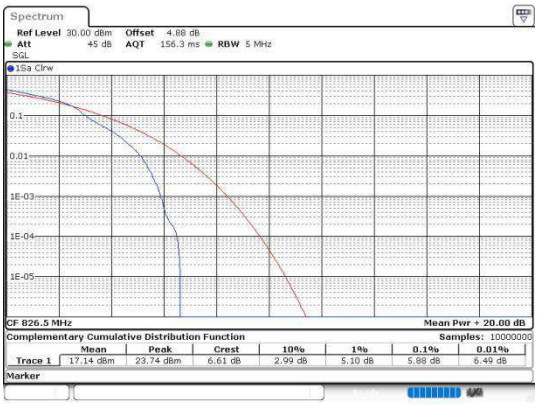
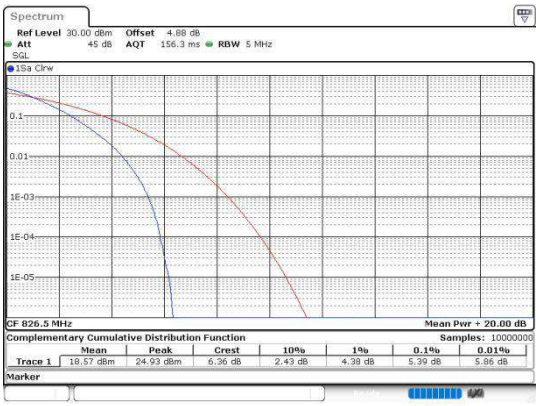
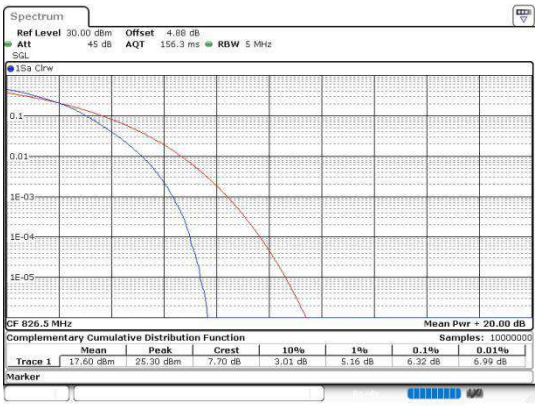
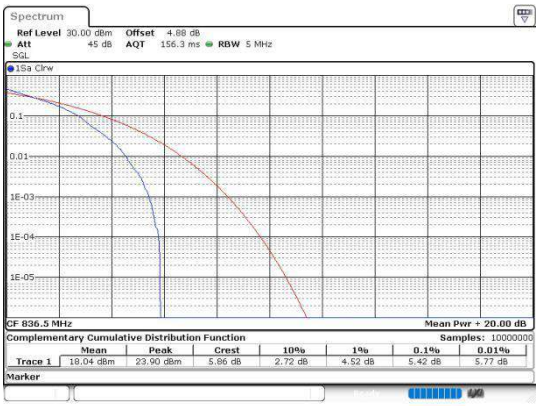
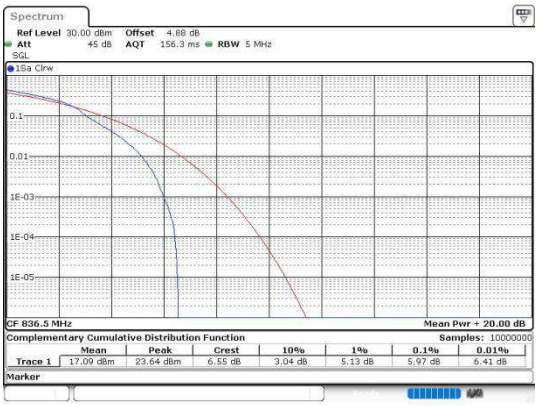


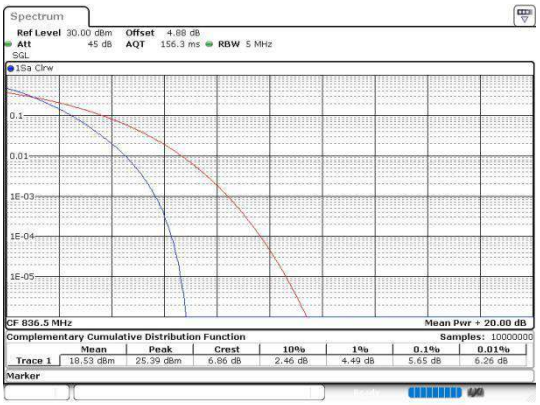
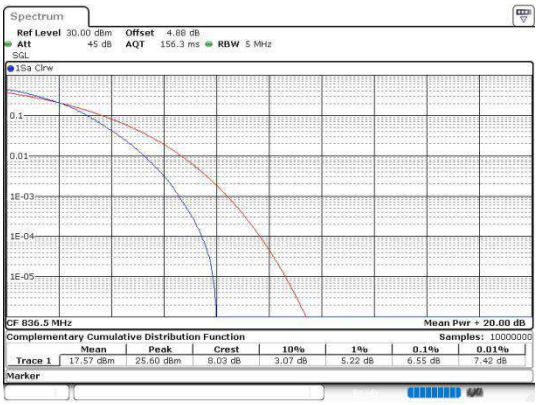
| Band5-3MHz-QPSK-20635-1RB#0-PASS | Band5-3MHz-16QAM-20635-1RB#0-PASS |
|---|---|
|  |  |





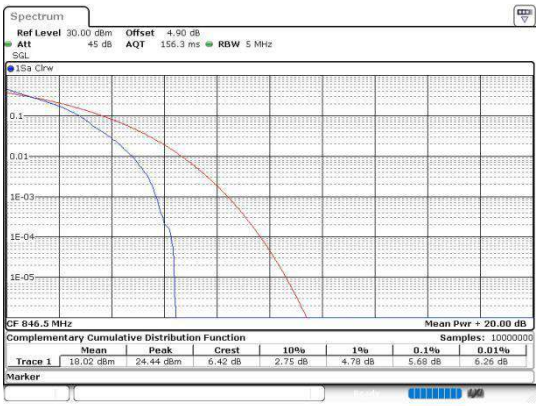
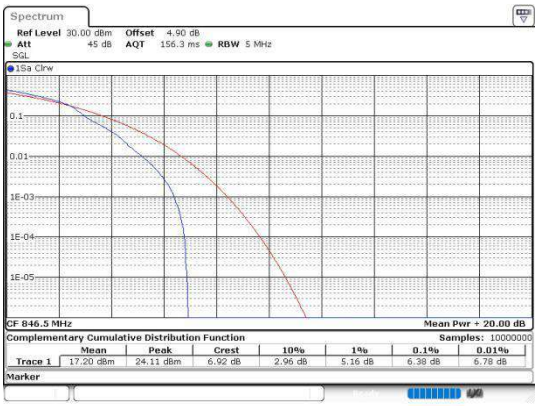
| Band5-3MHz-QPSK-20635-15RB#0-PASS | Band5-3MHz-16QAM-20635-15RB#0-PASS |
|---|---|
|  |  |

| Band5-5MHz-QPSK-20425-1RB#0-PASS | Band5-5MHz-16QAM-20425-1RB#0-PASS |
|---|---|
|  |  |
| **Band5-5MHz-QPSK-20425-25RB#0-PASS** | **Band5-5MHz-16QAM-20425-25RB#0-PASS** |
|  |  |
| **Band5-5MHz-QPSK-20525-1RB#0-PASS** | **Band5-5MHz-16QAM-20525-1RB#0-PASS** |
|  |  |

| Band5-5MHz-QPSK-20525-25RB#0-PASS | Band5-5MHz-16QAM-20525-25RB#0-PASS |
|---|---|
|  |  |

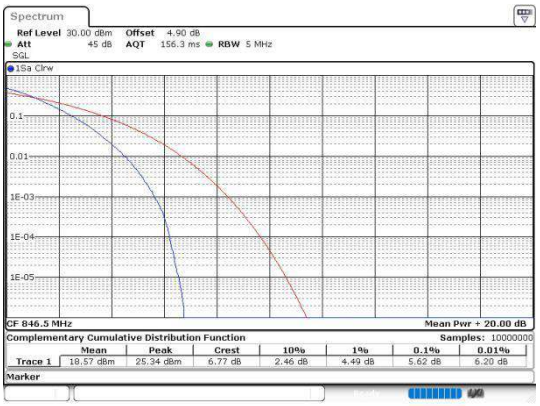
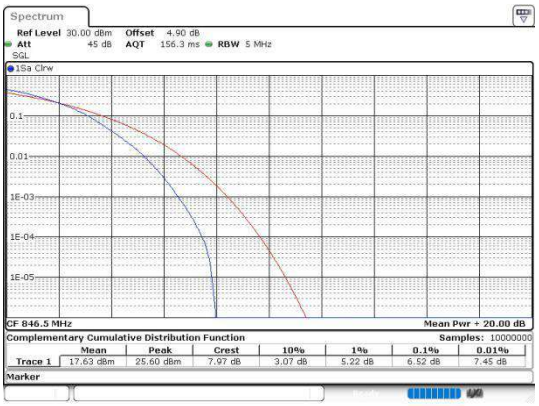


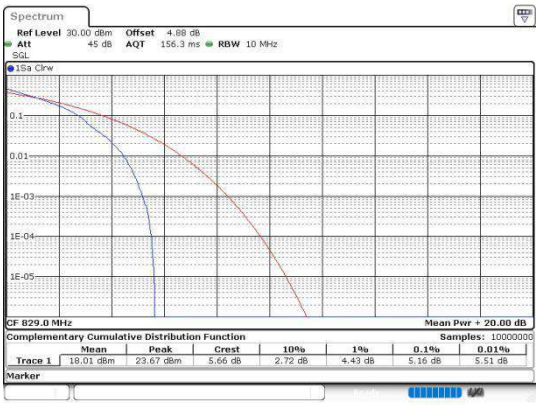
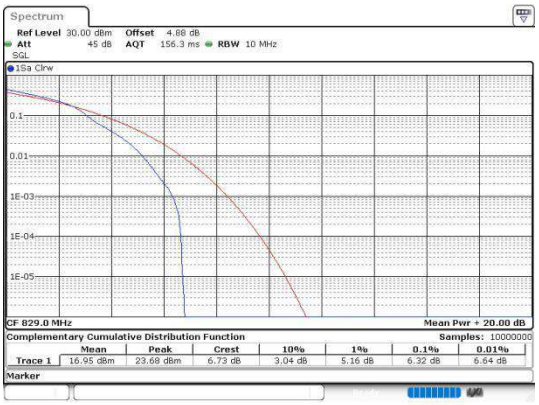


| Band5-5MHz-QPSK-20625-1RB#0-PASS | Band5-5MHz-16QAM-20625-1RB#0-PASS |
|---|---|
|  |  |



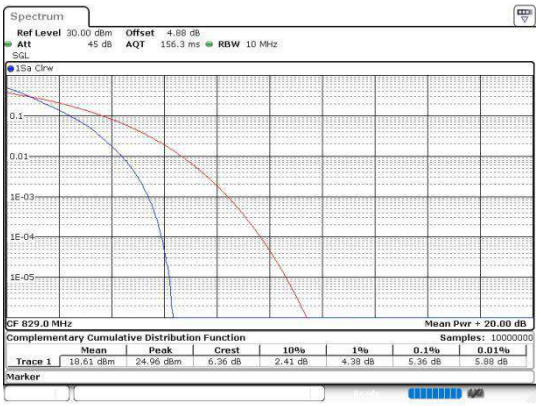
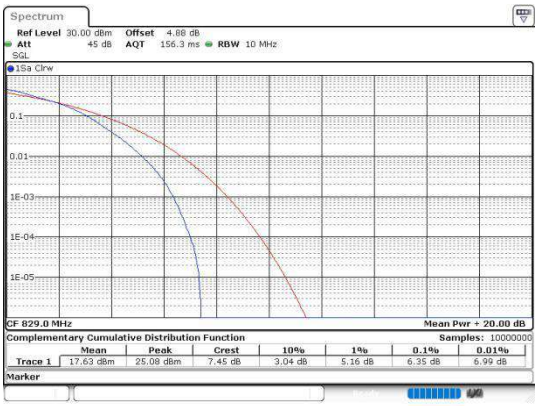


| Band5-5MHz-QPSK-20625-25RB#0-PASS | Band5-5MHz-16QAM-20625-25RB#0-PASS |
|---|---|
|  |  |

| Band5-10MHz-QPSK-20450-1RB#0-PASS | Band5-10MHz-16QAM-20450-1RB#0-PASS |
|---|---|
|  |  |

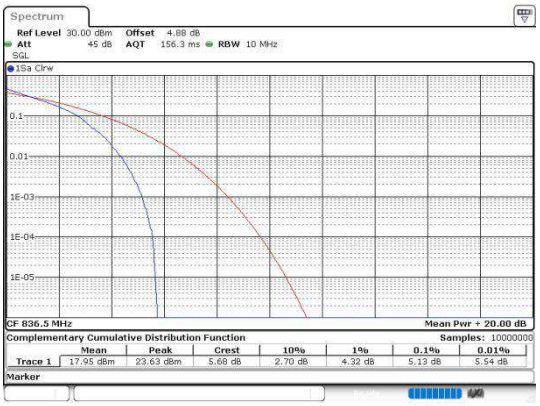
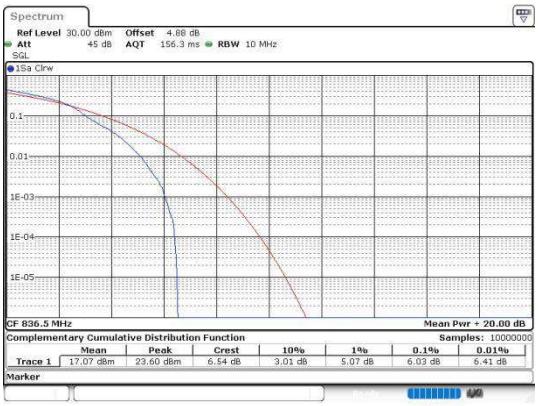


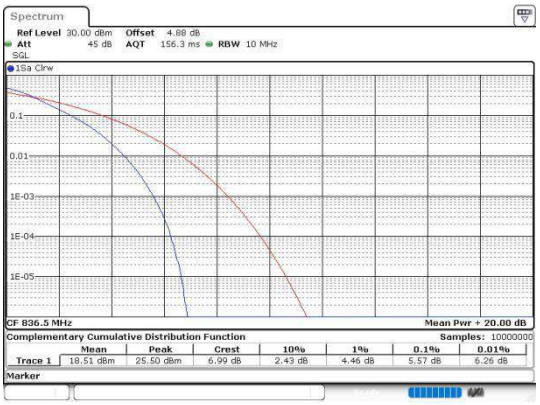
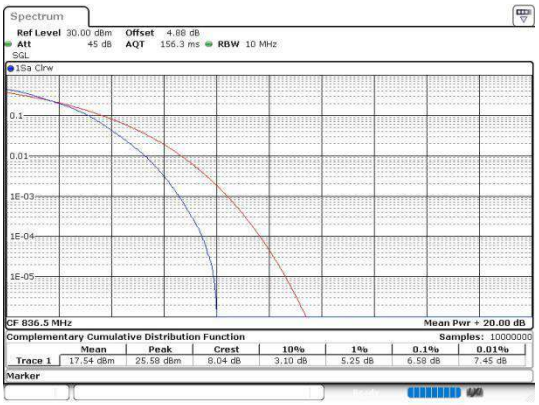
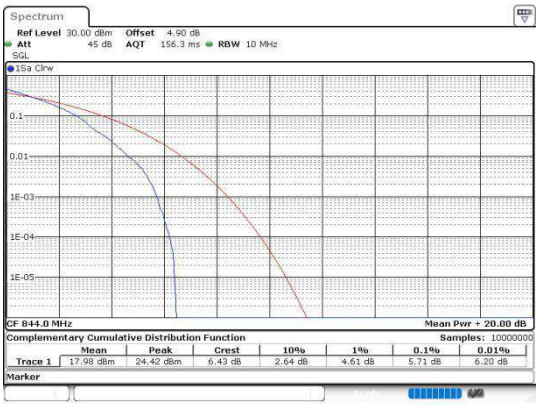
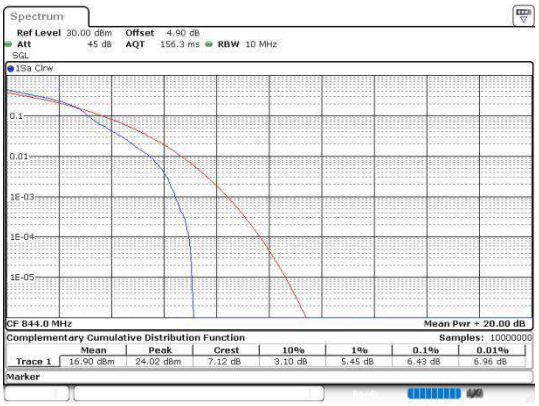
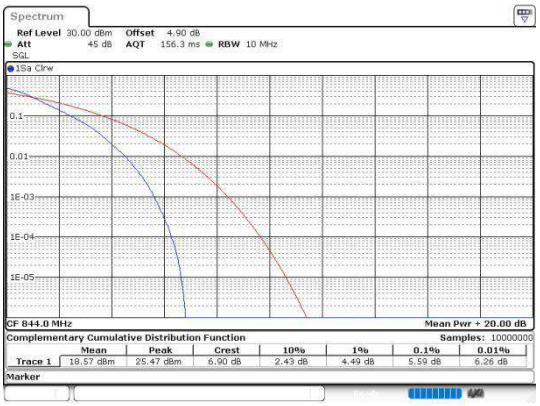
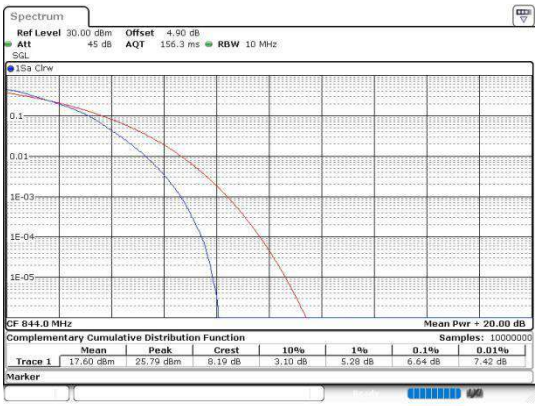


| Band5-10MHz-QPSK-20450-50RB#0-PASS | Band5-10MHz-16QAM-20450-50RB#0-PASS |
|---|---|
|  |  |



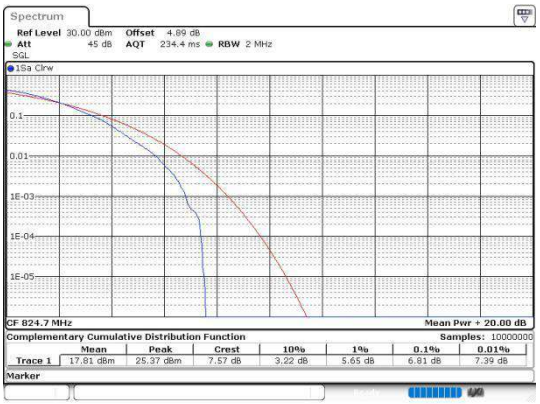
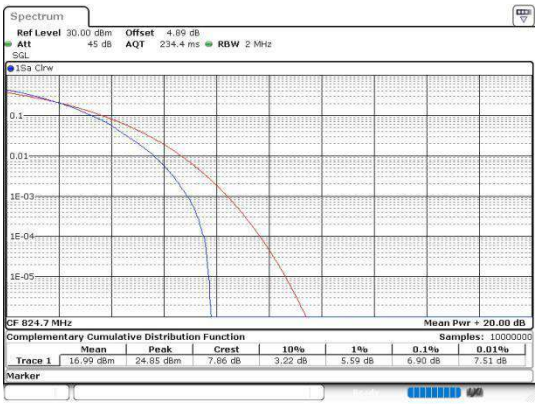
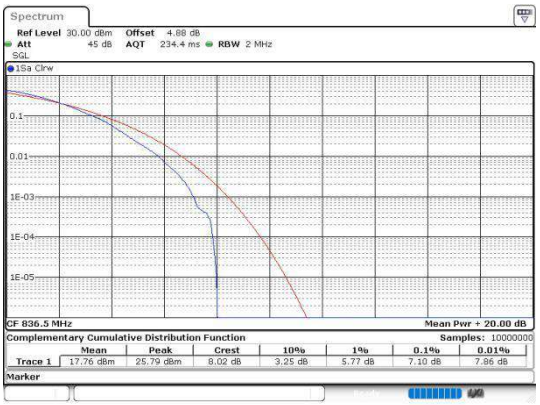
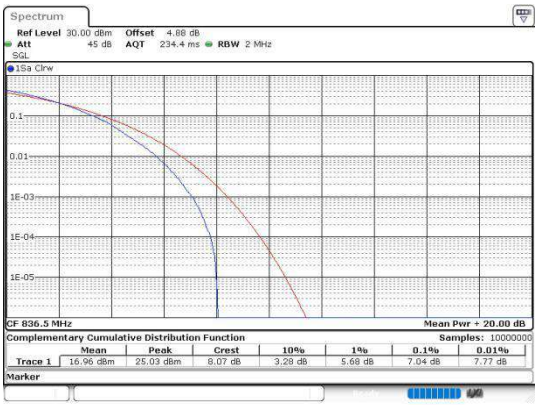
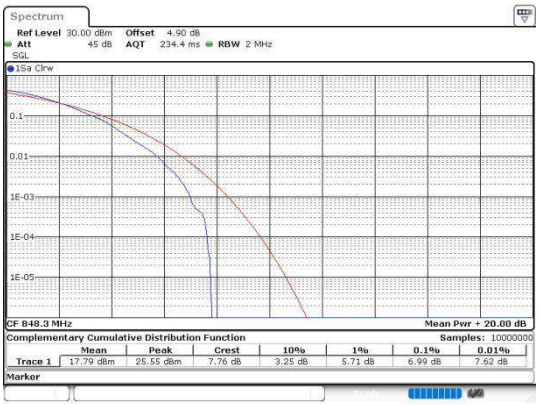
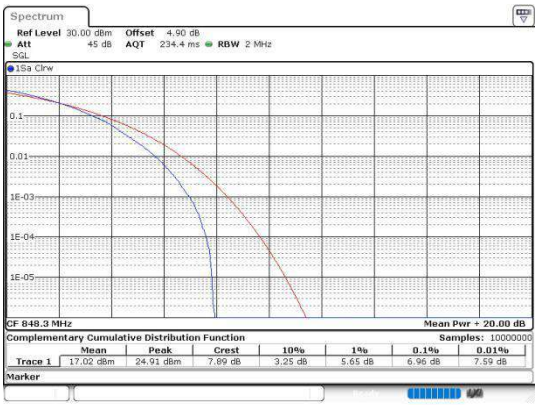


| Band5-10MHz-QPSK-20525-1RB#0-PASS | Band5-10MHz-16QAM-20525-1RB#0-PASS |
|---|---|
|  |  |

| Band5-10MHz-QPSK-20525-50RB#0-PASS | Band5-10MHz-16QAM-20525-50RB#0-PASS |
|---|---|
|  |  |
| **Band5-10MHz-QPSK-20600-1RB#0-PASS** | **Band5-10MHz-16QAM-20600-1RB#0-PASS** |
|  |  |
| **Band5-10MHz-QPSK-20600-50RB#0-PASS** | **Band5-10MHz-16QAM-20600-50RB#0-PASS** |
|  |  |

## LTE Band 5 _ 64QAM

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|---|---|---|---|---|---|---|---|
| Band5 | 1.4MHz | 64QAM | 20407 | 1RB#0 | 6.81 | 13 | PASS |
| Band5 | 1.4MHz | 64QAM | 20407 | 6RB#0 | 6.90 | 13 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 1RB#0 | 7.10 | 13 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | 7.04 | 13 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 1RB#0 | 6.99 | 13 | PASS |
| Band5 | 1.4MHz | 64QAM | 20643 | 6RB#0 | 6.96 | 13 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 1RB#0 | 6.87 | 13 | PASS |
| Band5 | 3MHz | 64QAM | 20415 | 15RB#0 | 6.78 | 13 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 1RB#0 | 7.07 | 13 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | 6.96 | 13 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 1RB#0 | 7.13 | 13 | PASS |
| Band5 | 3MHz | 64QAM | 20635 | 15RB#0 | 6.93 | 13 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 1RB#0 | 6.75 | 13 | PASS |
| Band5 | 5MHz | 64QAM | 20425 | 25RB#0 | 6.67 | 13 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 1RB#0 | 6.70 | 13 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | 6.87 | 13 | PASS |
| Band5 | 5MHz | 64QAM | 20625 | 1RB#0 | 7.04 | 13 | PASS |
| Band5 | 5MHz | 64QAM | 20625 | 25RB#0 | 6.84 | 13 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 1RB#0 | 6.67 | 13 | PASS |
| Band5 | 10MHz | 64QAM | 20450 | 50RB#0 | 6.64 | 13 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 1RB#0 | 6.55 | 13 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | 6.81 | 13 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 1RB#0 | 7.13 | 13 | PASS |
| Band5 | 10MHz | 64QAM | 20600 | 50RB#0 | 6.84 | 13 | PASS |

| Band5-1.4MHz-64QAM-20407-1RB#0-PASS | Band5-1.4MHz-64QAM-20407-6RB#0-PASS |
|---|---|
|  |  |
| **Band5-1.4MHz-64QAM-20525-1RB#0-PASS** | **Band5-1.4MHz-64QAM-20525-6RB#0-PASS** |
|  |  |
| **Band5-1.4MHz-64QAM-20643-1RB#0-PASS** | **Band5-1.4MHz-64QAM-20643-6RB#0-PASS** |
|  |  |

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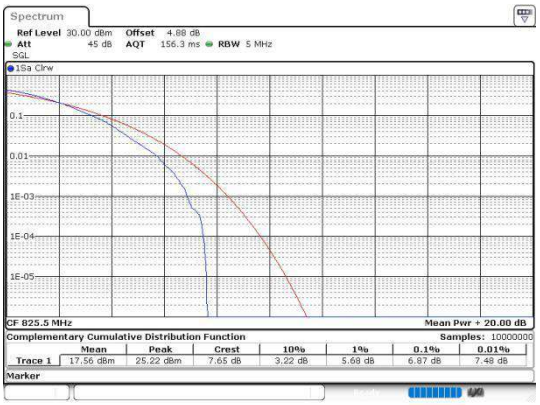
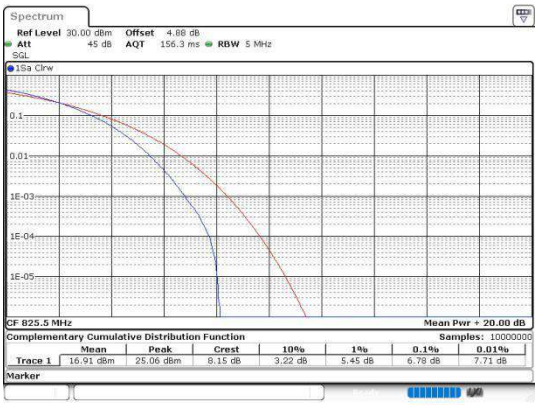
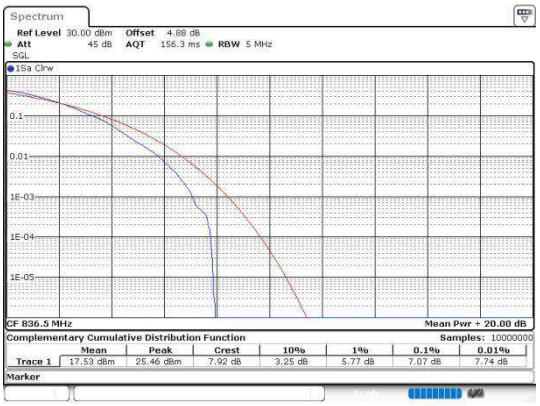
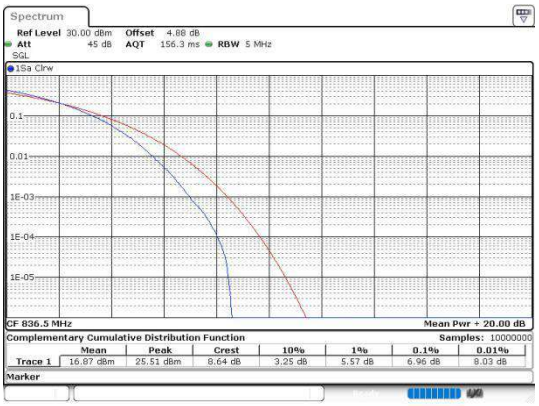
|---|---|
|  |  |

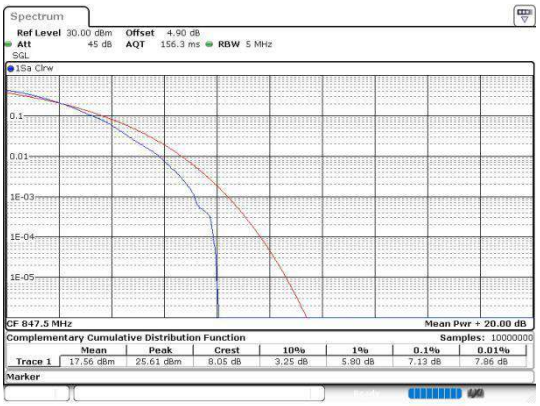
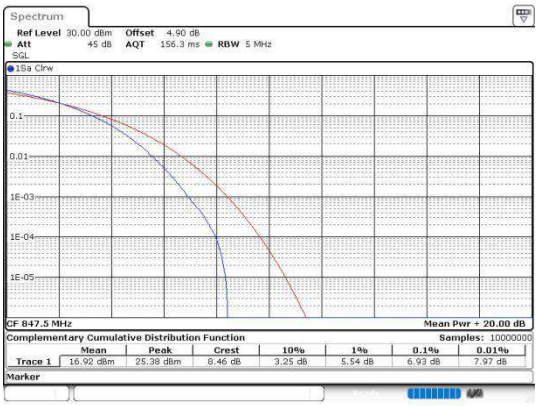


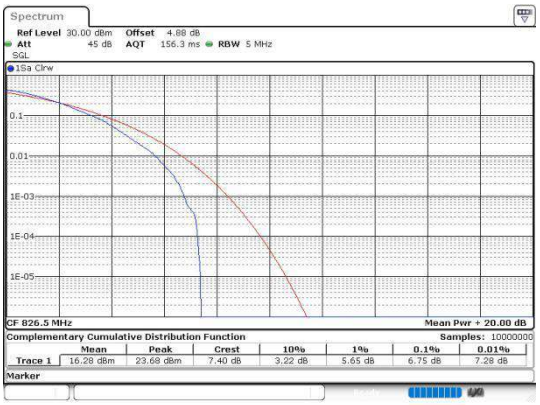
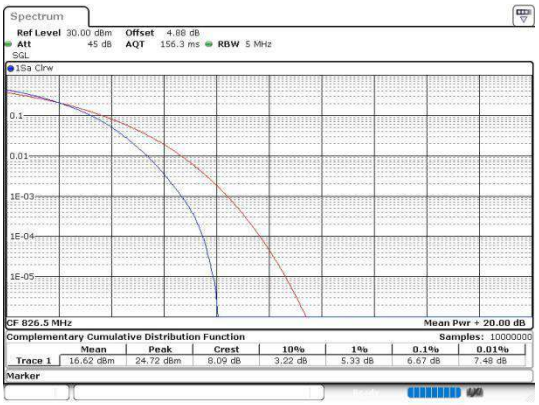
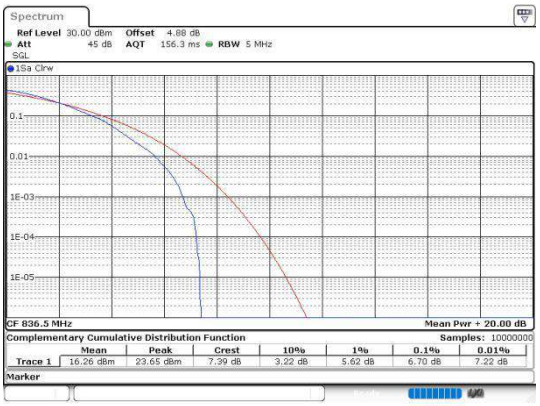
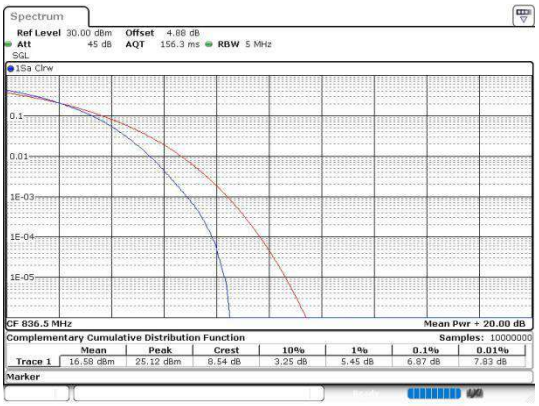
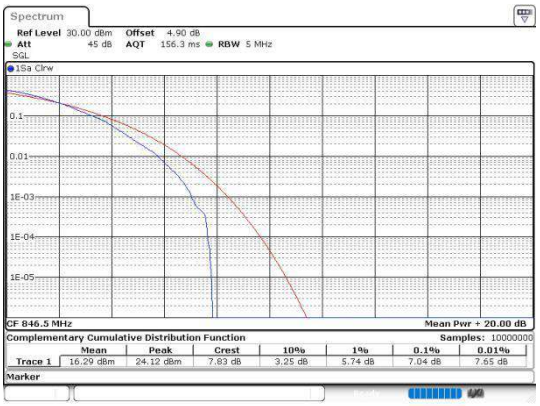
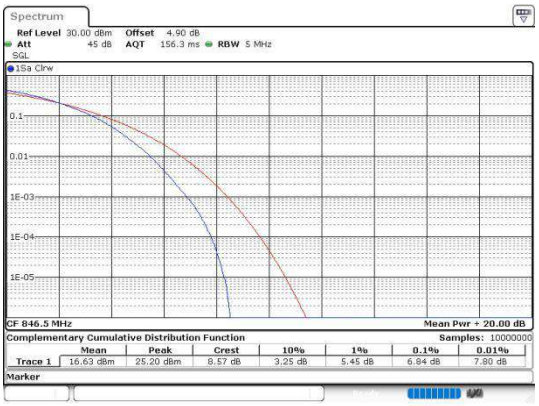


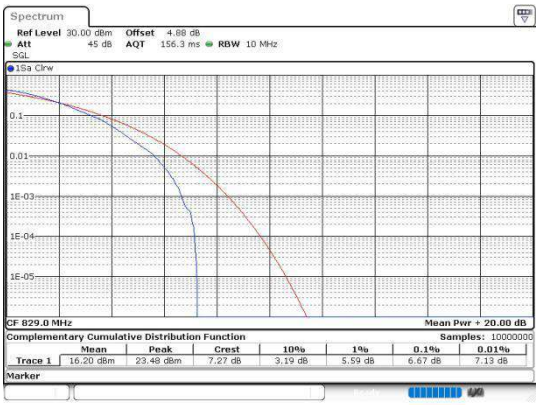
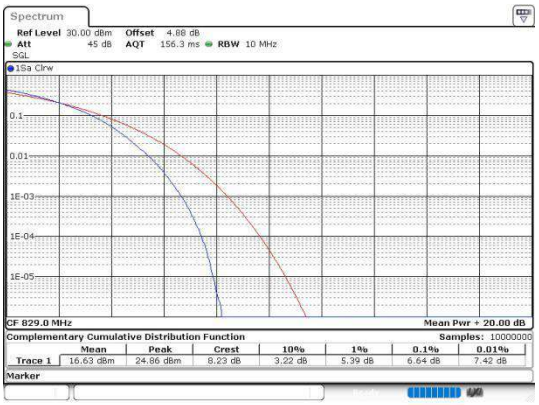
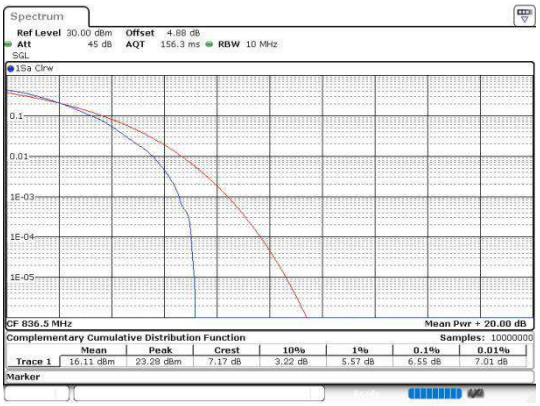
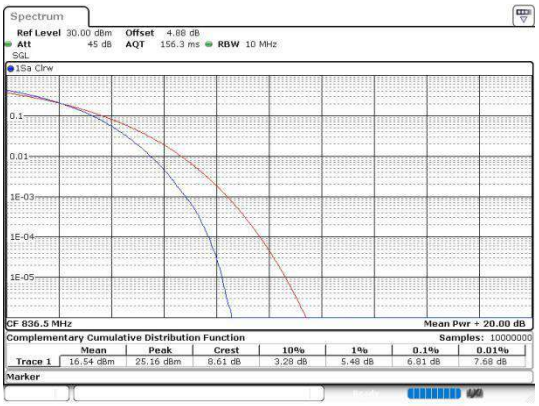
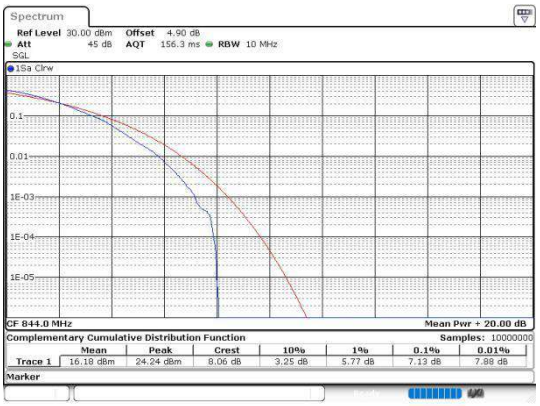
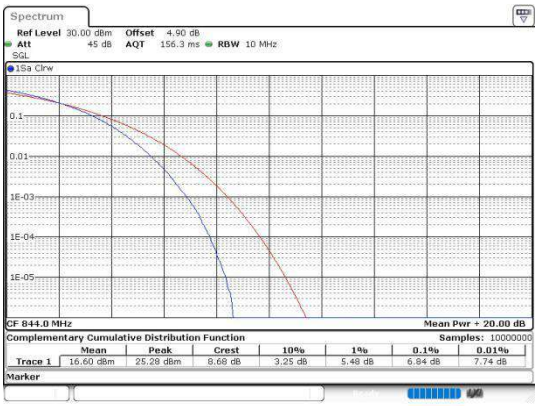
| Band5-3MHz-64QAM-20525-1RB#0-PASS | Band5-3MHz-64QAM-20525-15RB#0-PASS |
|---|---|
|  |  |





| Band5-3MHz-64QAM-20635-1RB#0-PASS | Band5-3MHz-64QAM-20635-15RB#0-PASS |
|---|---|
|  |  |

| Band5-5MHz-64QAM-20425-1RB#0-PASS | Band5-5MHz-64QAM-20425-25RB#0-PASS |
|---|---|
|  |  |
| **Band5-5MHz-64QAM-20525-1RB#0-PASS** | **Band5-5MHz-64QAM-20525-25RB#0-PASS** |
|  |  |
| **Band5-5MHz-64QAM-20625-1RB#0-PASS** | **Band5-5MHz-64QAM-20625-25RB#0-PASS** |
|  |  |

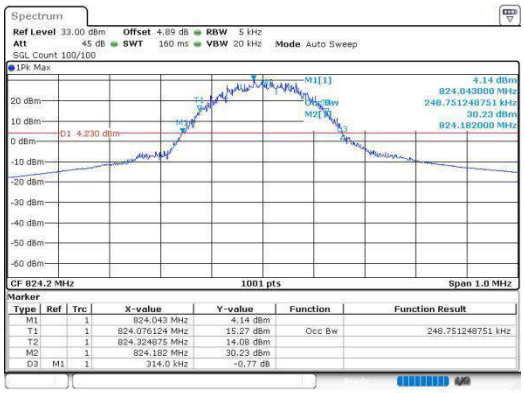
| Band5-10MHz-64QAM-20450-1RB#0-PASS | Band5-10MHz-64QAM-20450-50RB#0-PASS |
|---|---|
|  |  |
| **Band5-10MHz-64QAM-20525-1RB#0-PASS** | **Band5-10MHz-64QAM-20525-50RB#0-PASS** |
|  |  |
| **Band5-10MHz-64QAM-20600-1RB#0-PASS** | **Band5-10MHz-64QAM-20600-50RB#0-PASS** |
|  |  |

## 26dB Bandwidth and Occupied Bandwidth

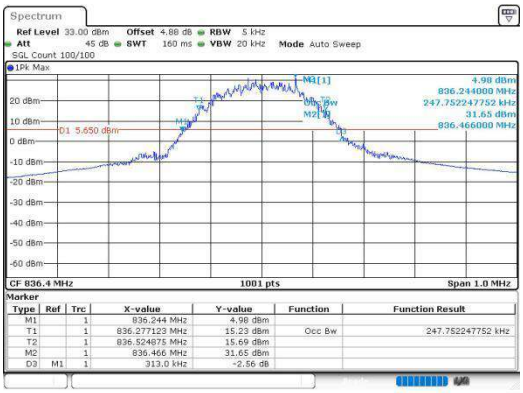
### GSM850

| Band | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|
| GSM850 | 128 | 0.249 | 0.31 | PASS |
| GSM850 | 189 | 0.248 | 0.31 | PASS |
| GSM850 | 251 | 0.248 | 0.31 | PASS |

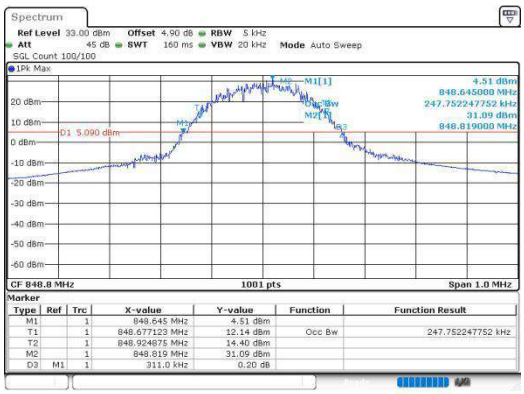
GSM850-128-5-PASS




GSM850-189-5-PASS



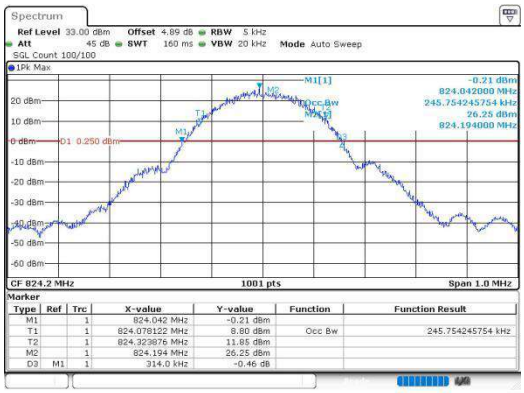

GSM850-251-5-PASS



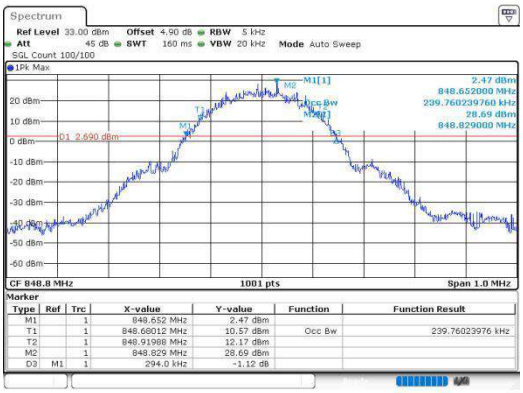
## EDGE850

| Band | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|
| EDGE850 | 128 | 0.246 | 0.31 | PASS |
| EDGE850 | 251 | 0.24 | 0.29 | PASS |
| EDGE850 | 189 | 0.245 | 0.32 | PASS |

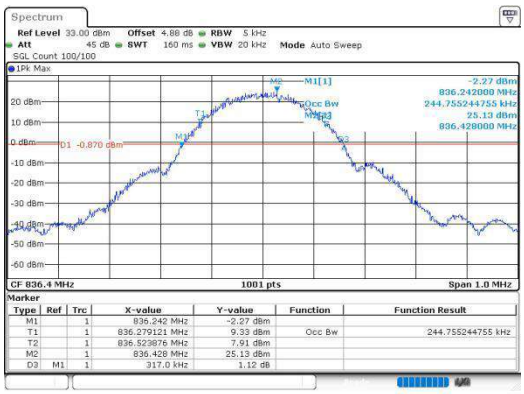
EDGE850-128-5-PASS




EDGE850-251-5-PASS



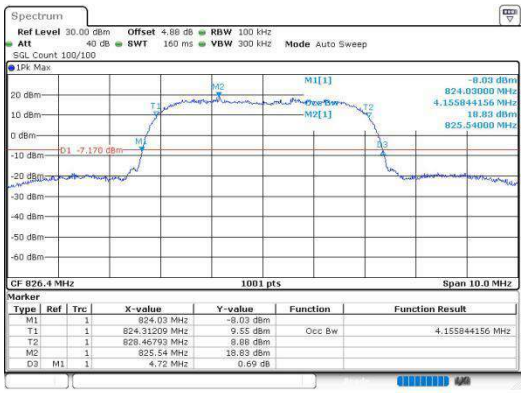

EDGE850-189-5-PASS



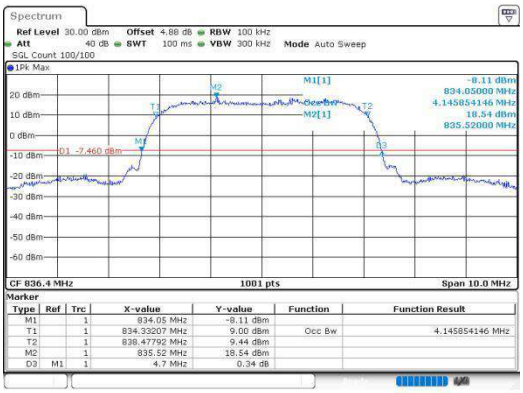
## WCDMA Band V

| Band | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|
| Band5 | 4132 | 4.156 | 4.72 | PASS |
| Band5 | 4182 | 4.146 | 4.70 | PASS |
| Band5 | 4233 | 4.146 | 4.70 | PASS |

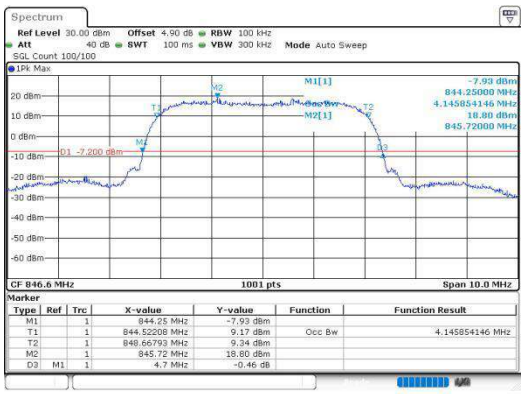
Band5-4132-PASS




Band5-4182-PASS

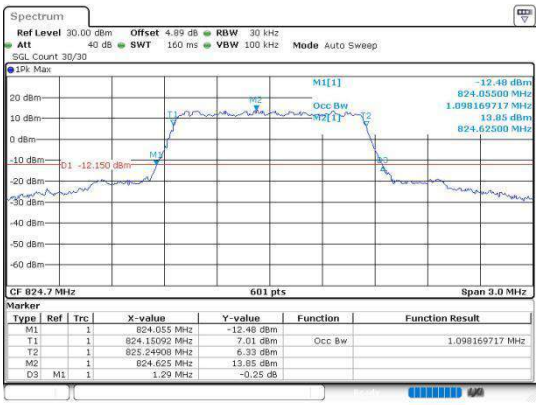
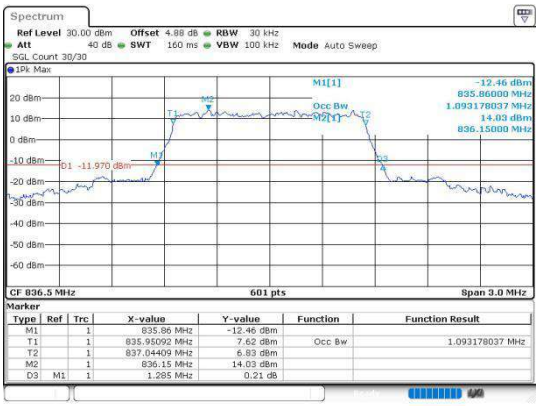
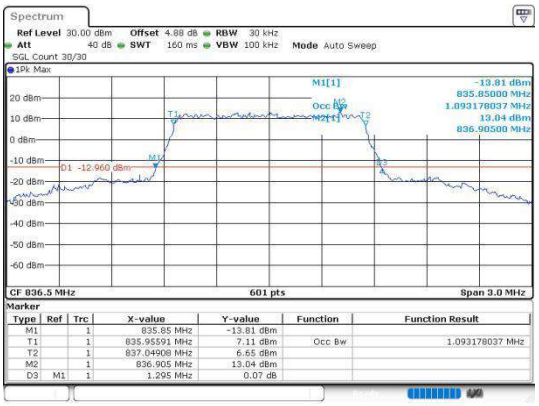
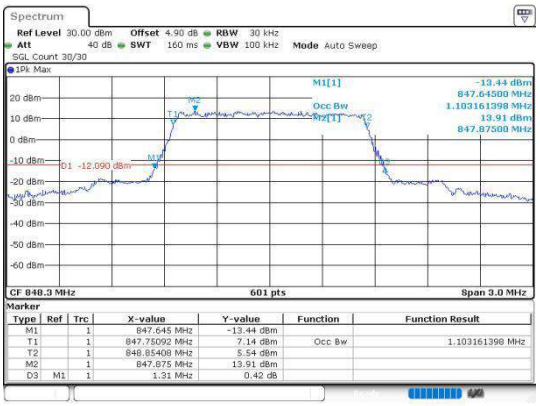
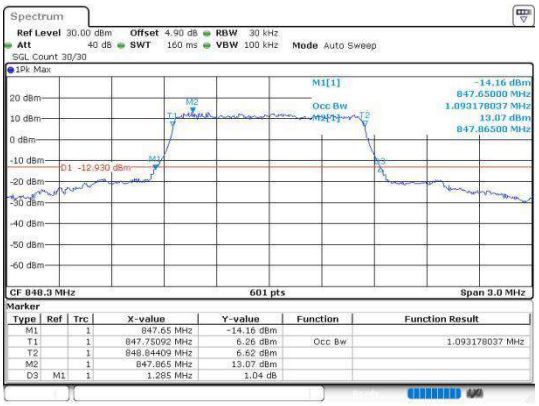


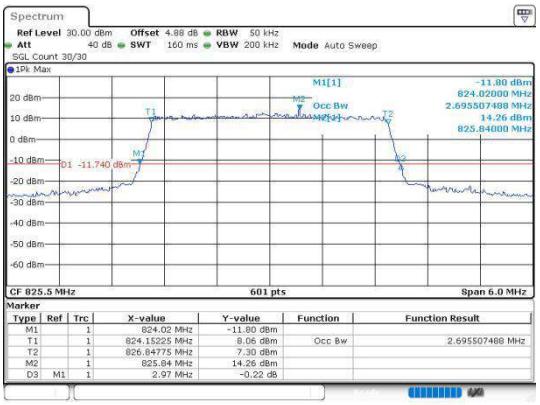
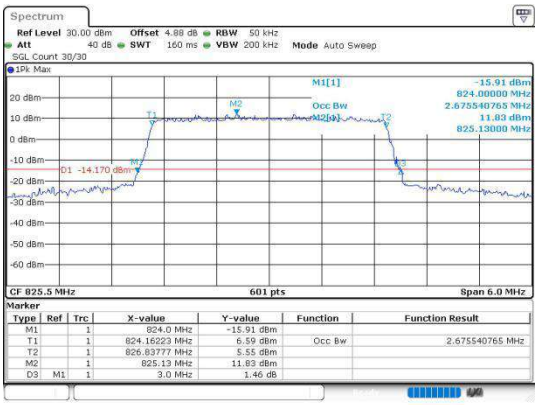
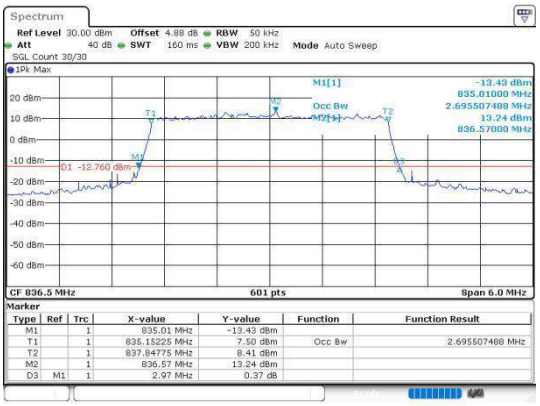
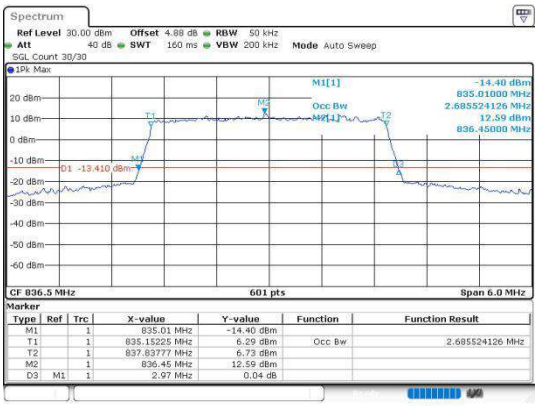
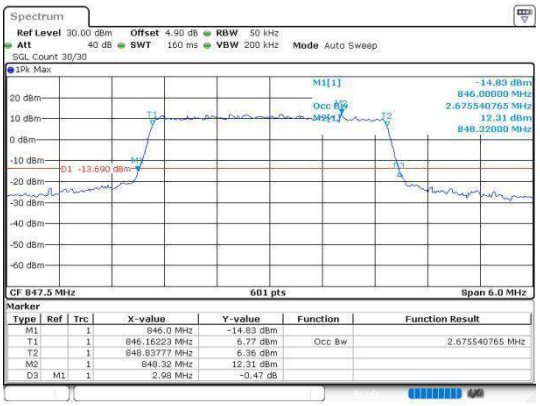
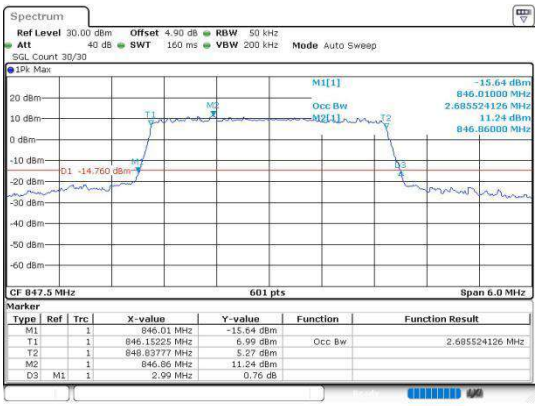

Band5-4233-PASS



## LTE Band 5 _ QPSK & 16QAM

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| Band5 | 1.4MHz | QPSK | 20407 | 6RB#0 | 1.098 | 1.29 | PASS |
| Band5 | 1.4MHz | 16QAM | 20407 | 6RB#0 | 1.103 | 1.30 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | 1.093 | 1.28 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | 1.093 | 1.29 | PASS |
| Band5 | 1.4MHz | QPSK | 20643 | 6RB#0 | 1.103 | 1.31 | PASS |
| Band5 | 1.4MHz | 16QAM | 20643 | 6RB#0 | 1.093 | 1.28 | PASS |
| Band5 | 3MHz | QPSK | 20415 | 15RB#0 | 2.696 | 2.97 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | 2.676 | 3.00 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | 2.696 | 2.97 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | 2.686 | 2.97 | PASS |
| Band5 | 3MHz | QPSK | 20635 | 15RB#0 | 2.676 | 2.98 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | 2.686 | 2.99 | PASS |
| Band5 | 5MHz | QPSK | 20425 | 25RB#0 | 4.505 | 4.95 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | 4.505 | 4.91 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | 4.505 | 4.92 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | 4.505 | 5.17 | PASS |
| Band5 | 5MHz | QPSK | 20625 | 25RB#0 | 4.505 | 4.93 | PASS |
| Band5 | 5MHz | 16QAM | 20625 | 25RB#0 | 4.515 | 4.95 | PASS |
| Band5 | 10MHz | QPSK | 20450 | 50RB#0 | 8.985 | 9.83 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | 8.985 | 9.80 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | 8.985 | 9.87 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | 8.985 | 9.87 | PASS |
| Band5 | 10MHz | QPSK | 20600 | 50RB#0 | 8.952 | 9.83 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | 8.985 | 9.83 | PASS |

| Band5-1.4MHz-QPSK-20407-6RB#0-PASS | Band5-1.4MHz-16QAM-20407-6RB#0-PASS |
|---|---|
|  | |
| **Band5-1.4MHz-QPSK-20525-6RB#0-PASS** | **Band5-1.4MHz-16QAM-20525-6RB#0-PASS** |
|  |  |
| **Band5-1.4MHz-QPSK-20643-6RB#0-PASS** | **Band5-1.4MHz-16QAM-20643-6RB#0-PASS** |
|  |  |

| Band5-3MHz-QPSK-20415-15RB#0-PASS | Band5-3MHz-16QAM-20415-15RB#0-PASS |
|---|---|
|  |  |
| **Band5-3MHz-QPSK-20525-15RB#0-PASS** | **Band5-3MHz-16QAM-20525-15RB#0-PASS** |
|  |  |
| **Band5-3MHz-QPSK-20635-15RB#0-PASS** | **Band5-3MHz-16QAM-20635-15RB#0-PASS** |
|  |  |