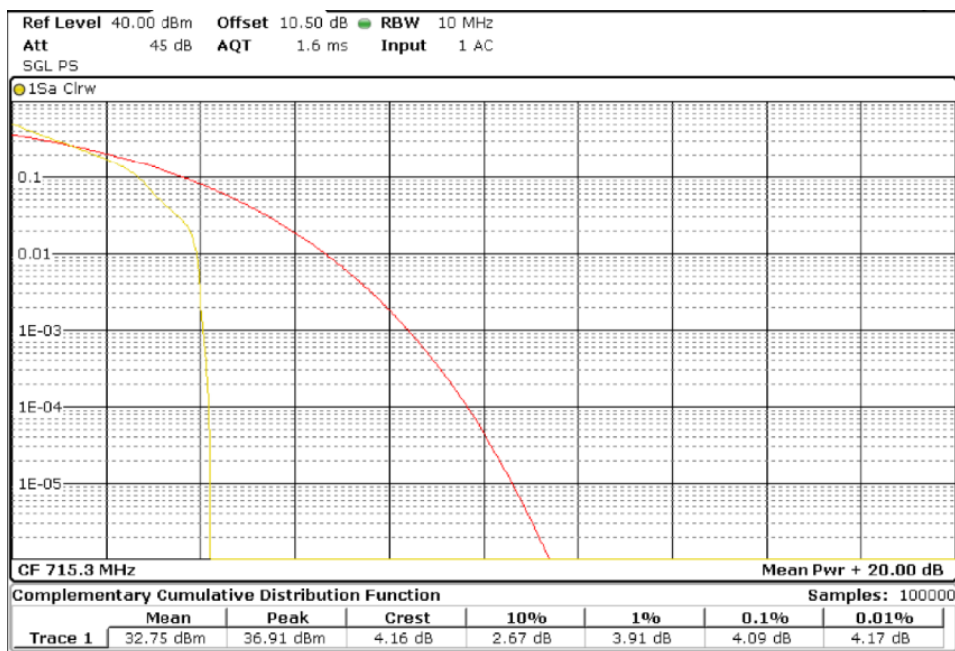


## TEST RESULTS (Cont):

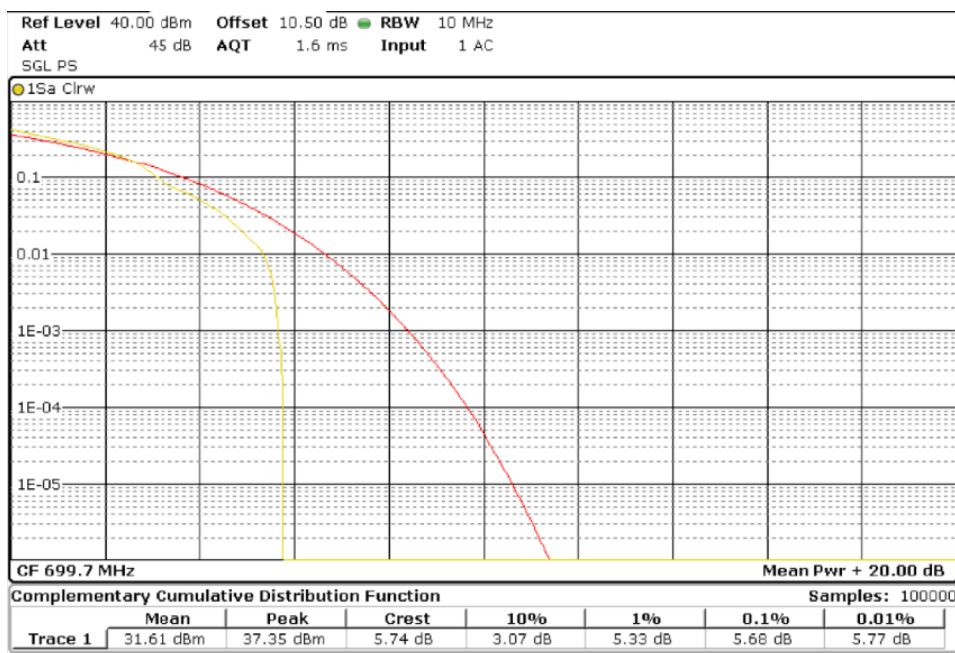
Highest channel



PAPR

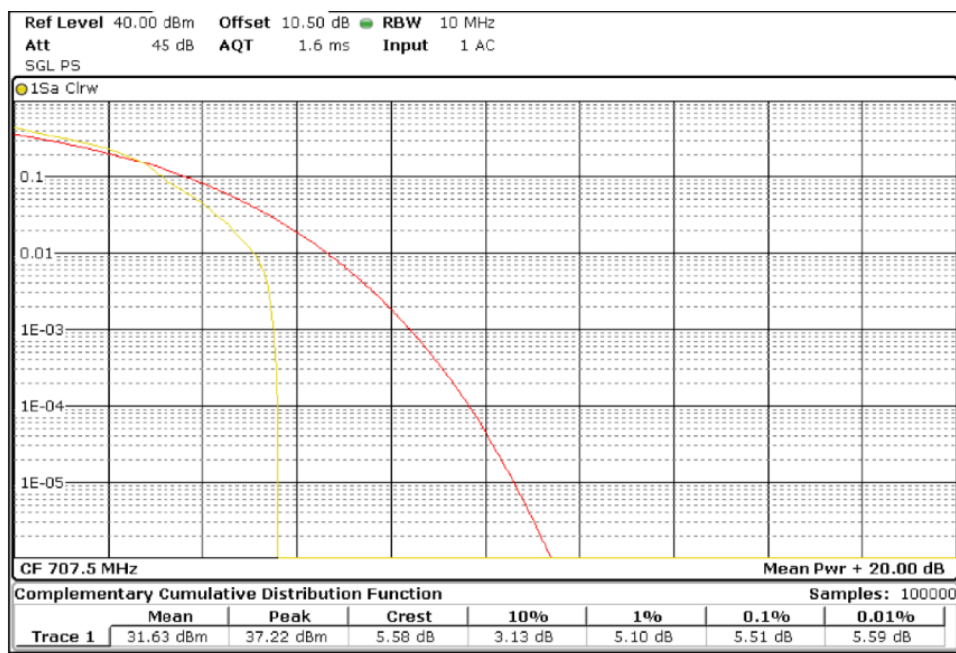
Bandwidth = 1.4 MHz. Modulation 16QAM. RB Size: 1. RB Offset: 0.

Lowest channel

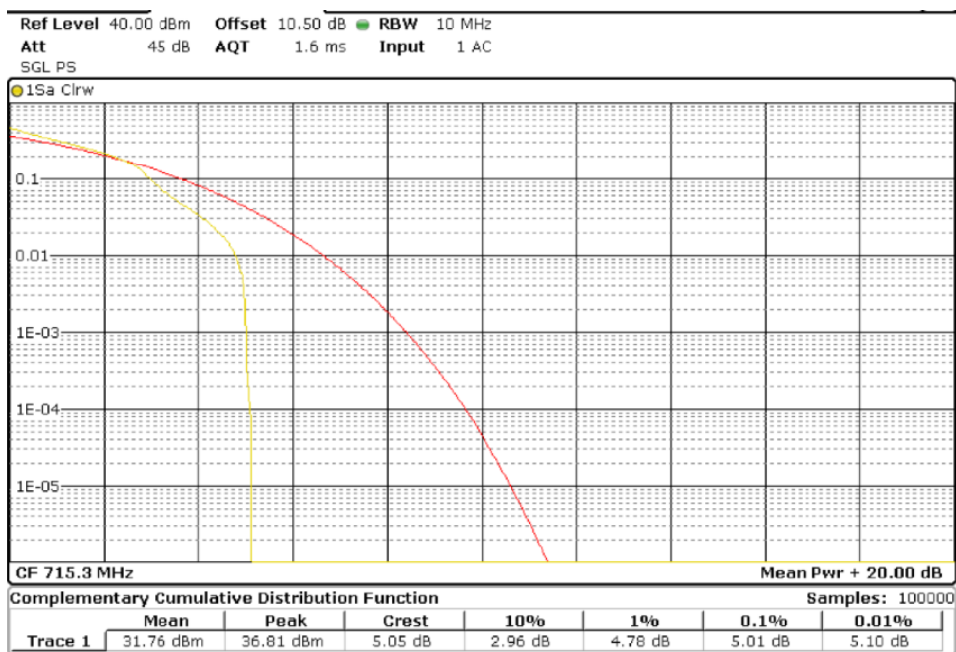


## TEST RESULTS (Cont):

### Middle channel



### Highest channel

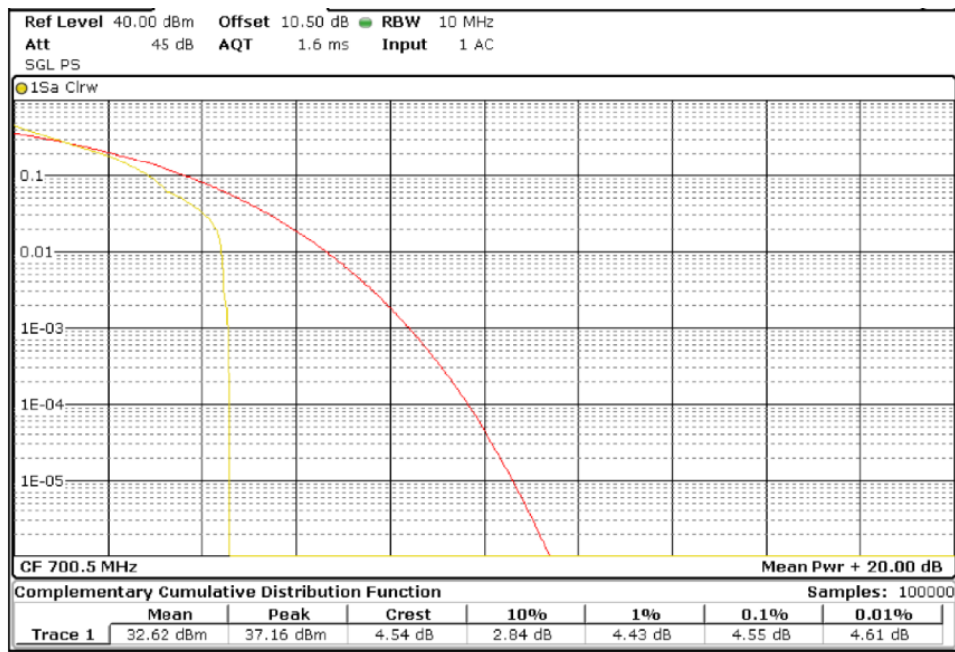


## TEST RESULTS (Cont):

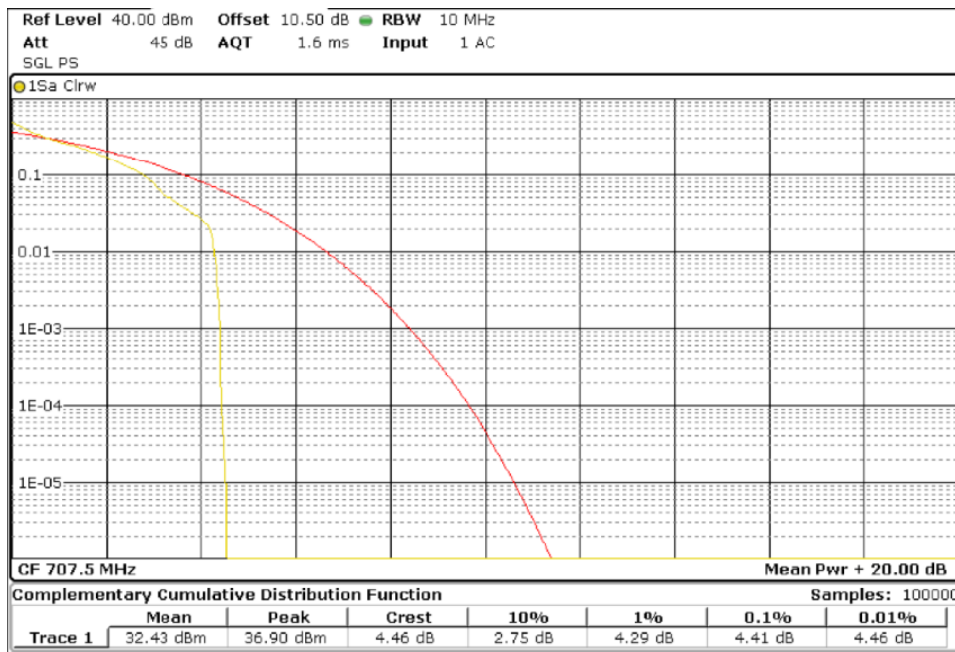
### PAPR

Bandwidth = 3 MHz. Modulation QPSK. RB Size: 1. RB Offset: 0.

Lowest channel

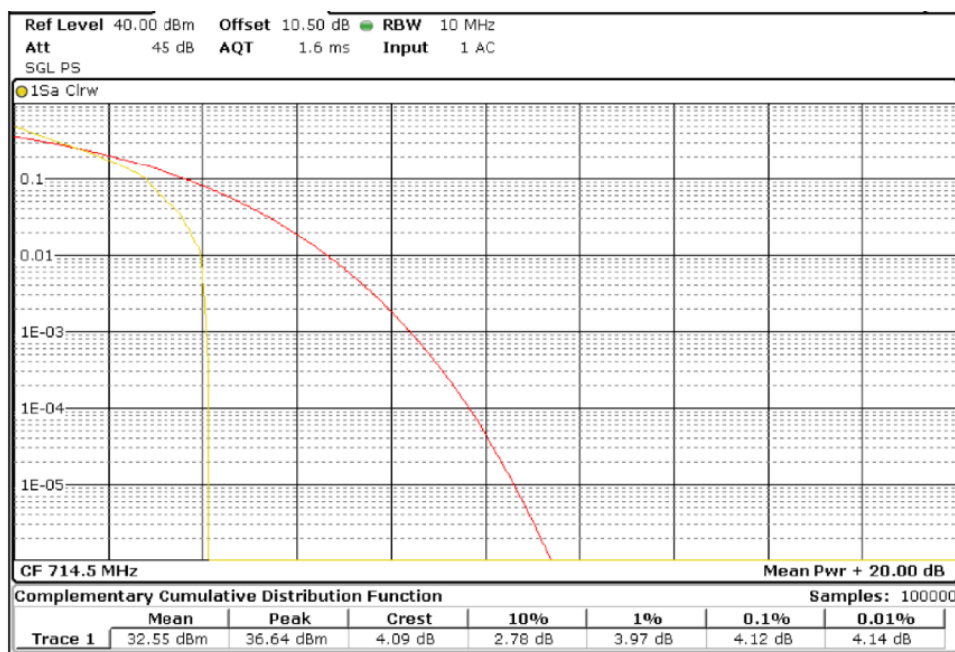


Middle channel



## TEST RESULTS (Cont):

Highest channel



PAPR

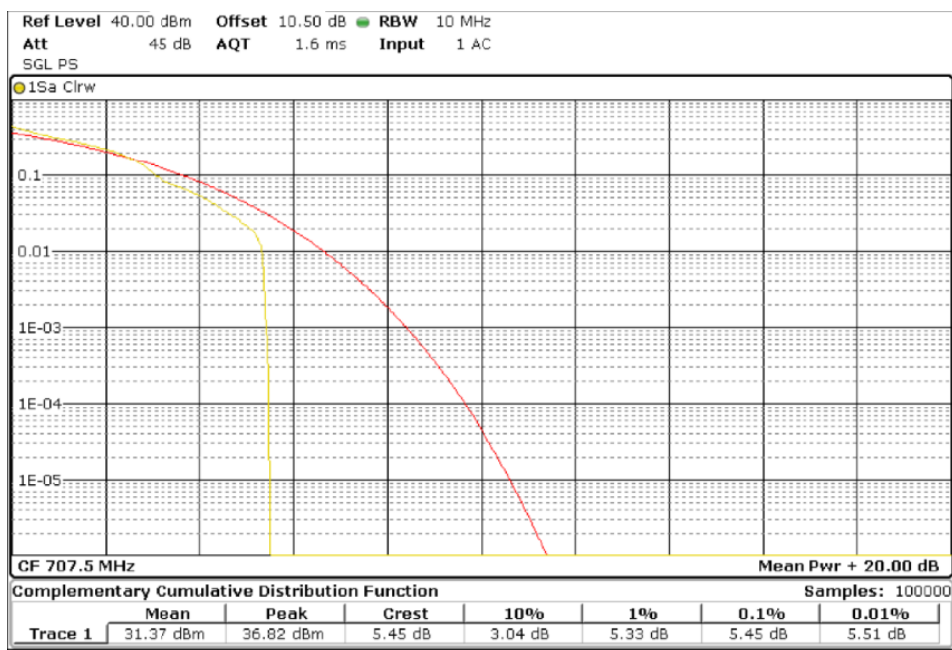
Bandwidth = 3 MHz. Modulation 16QAM. RB Size: 1. RB Offset: 0.

Lowest channel

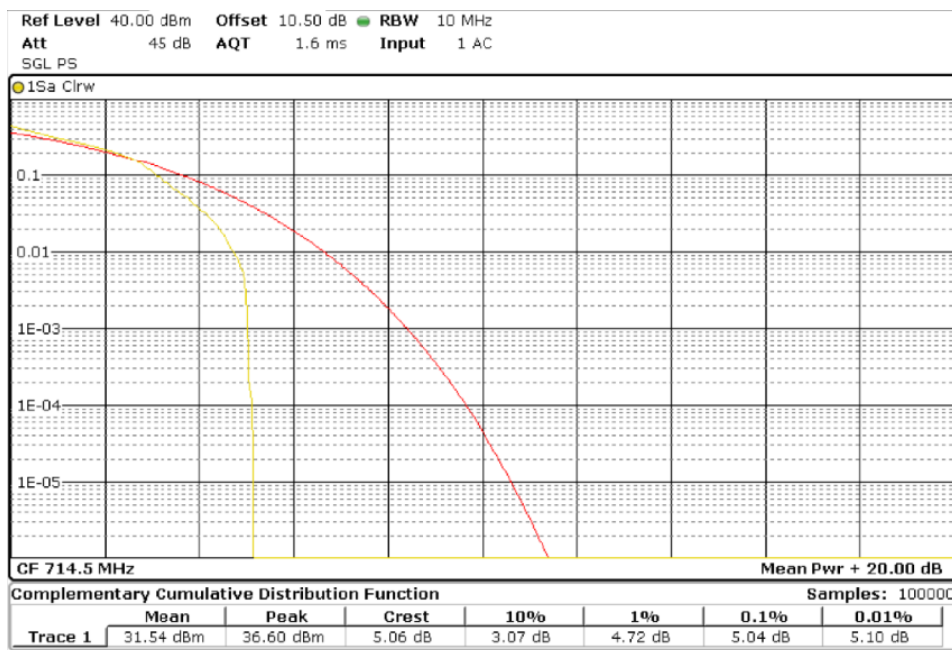


## TEST RESULTS (Cont):

### Middle channel



### Highest channel

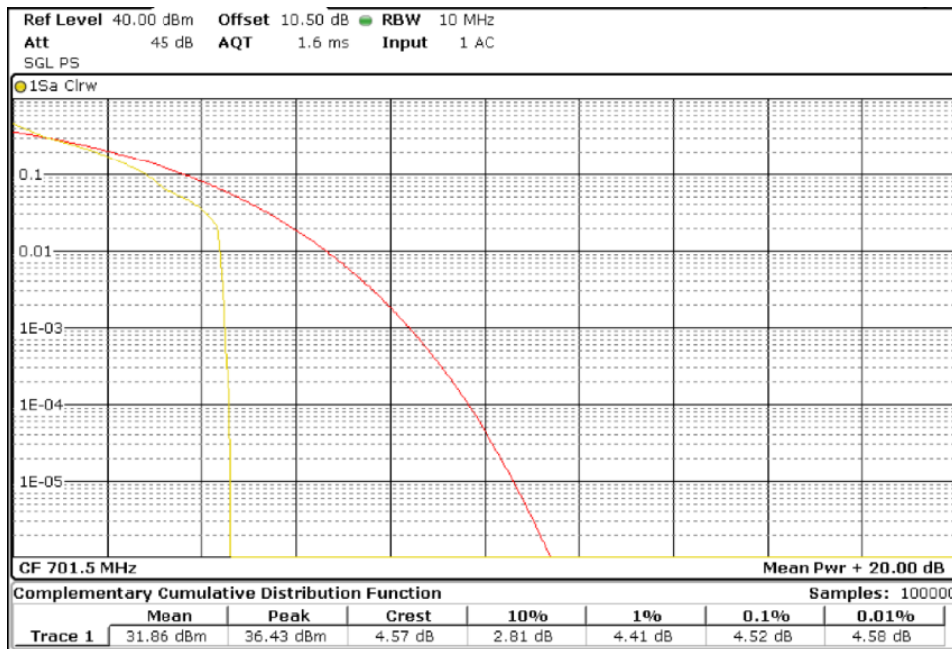


## TEST RESULTS (Cont):

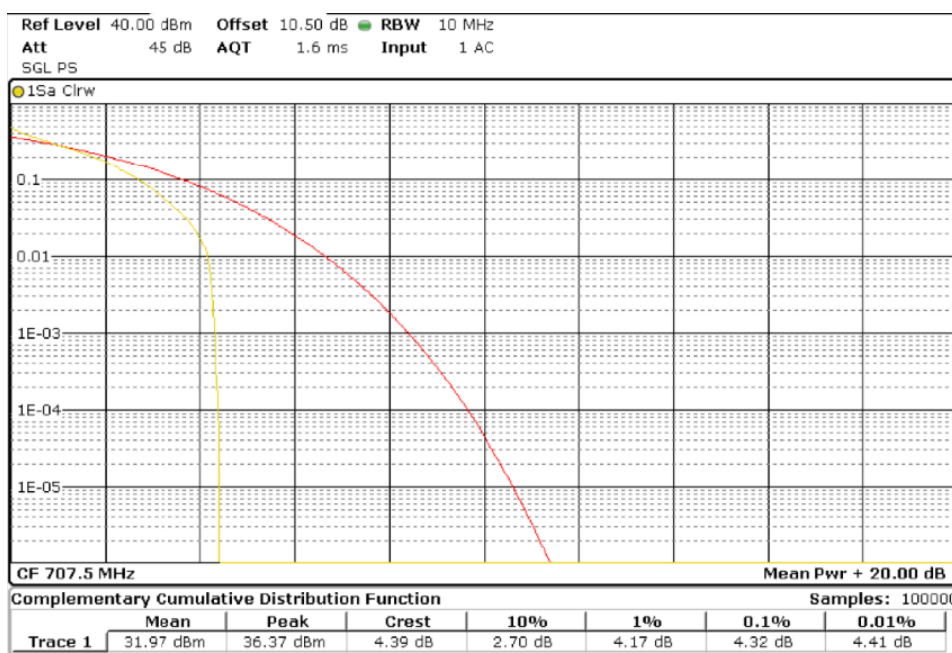
### PAPR

Bandwidth = 5 MHz. Modulation QPSK. RB Size: 1. RB Offset: 0.

Lowest channel

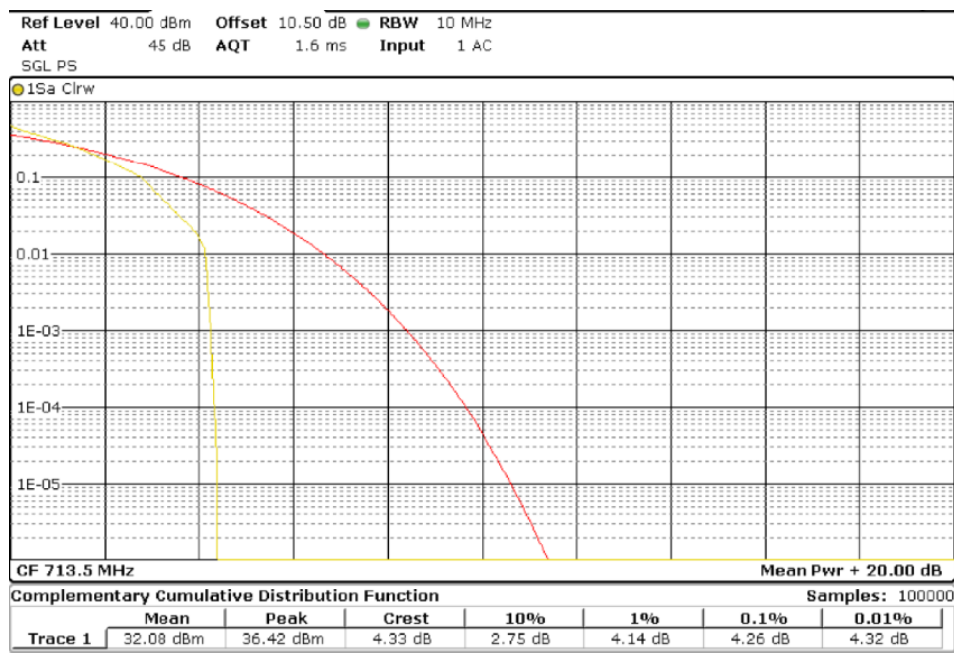


Middle channel

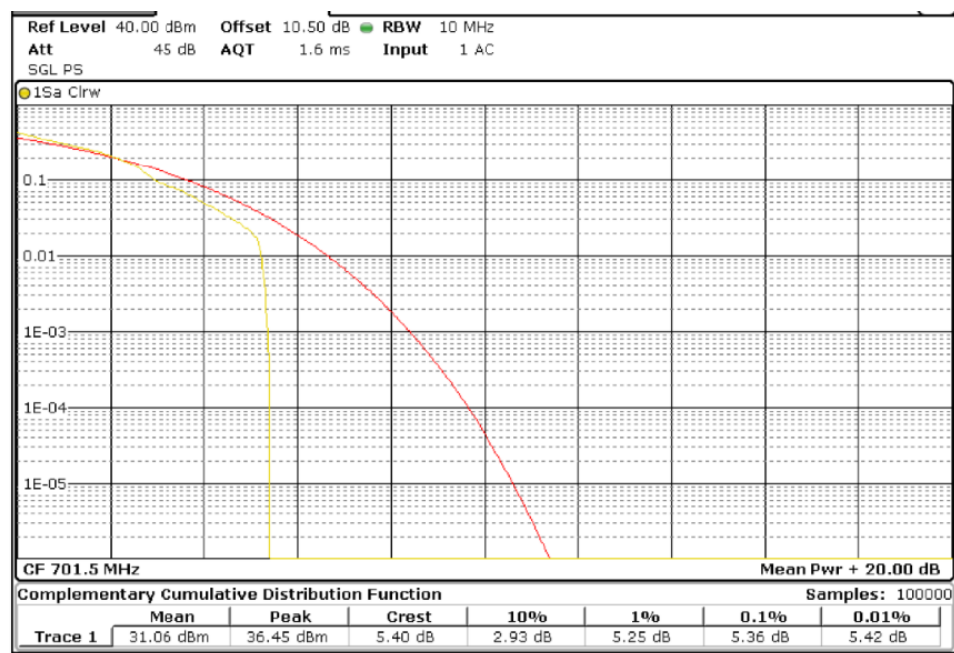


## TEST RESULTS (Cont):

Highest channel

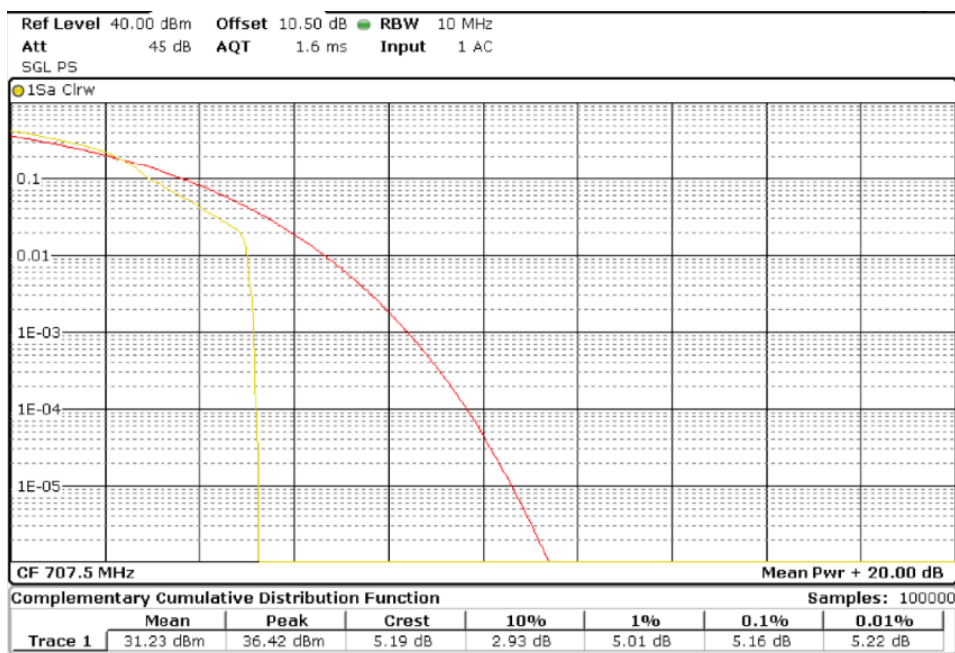


Bandwidth = 5 MHz. Modulation 16QAM. RB Size: 1. RB Offset: 0.  
Lowest channel

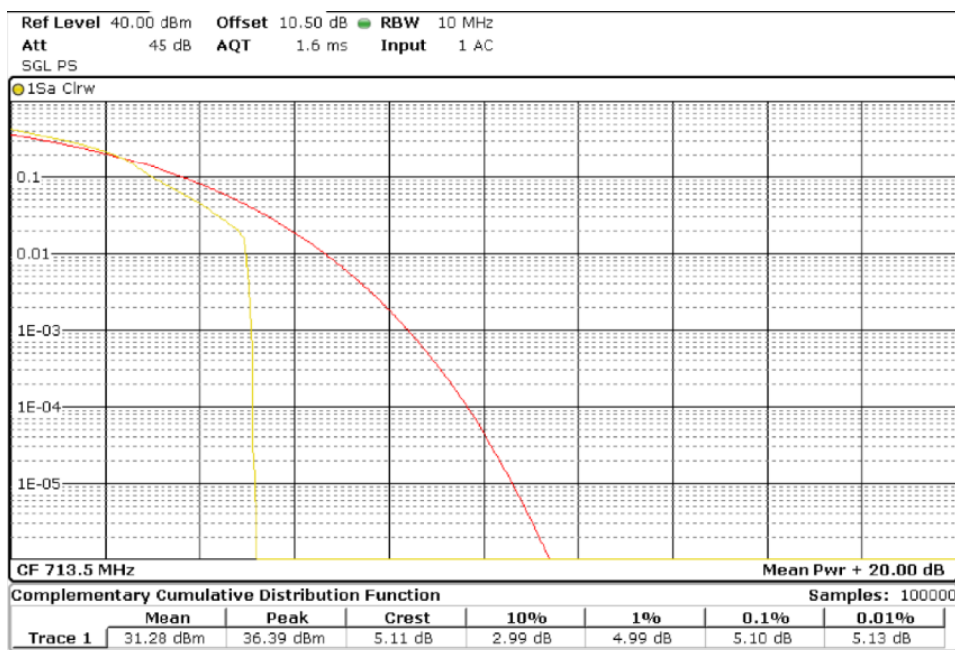


## TEST RESULTS (Cont):

### Middle channel

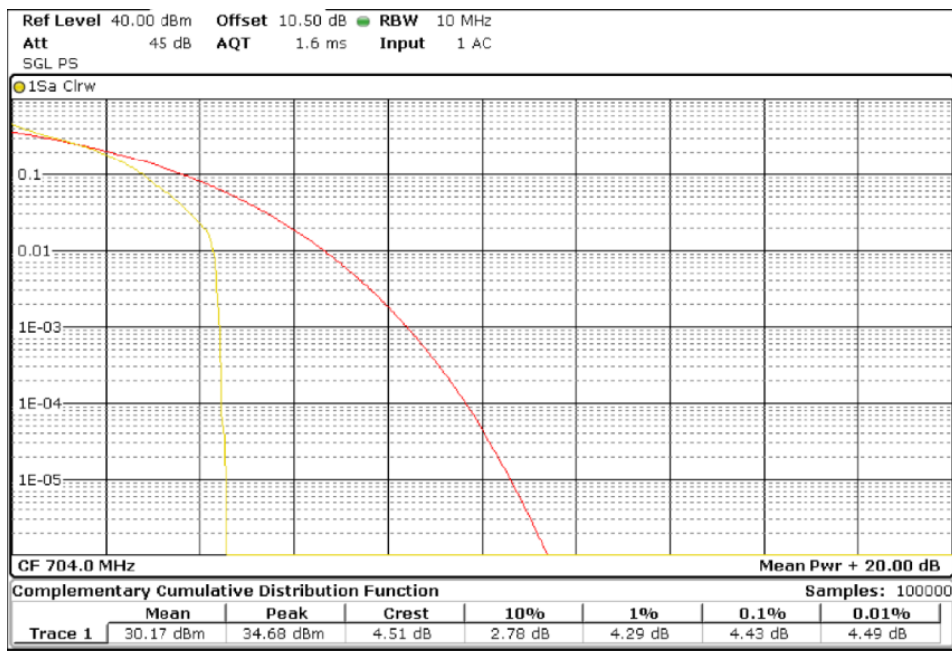


### Highest channel

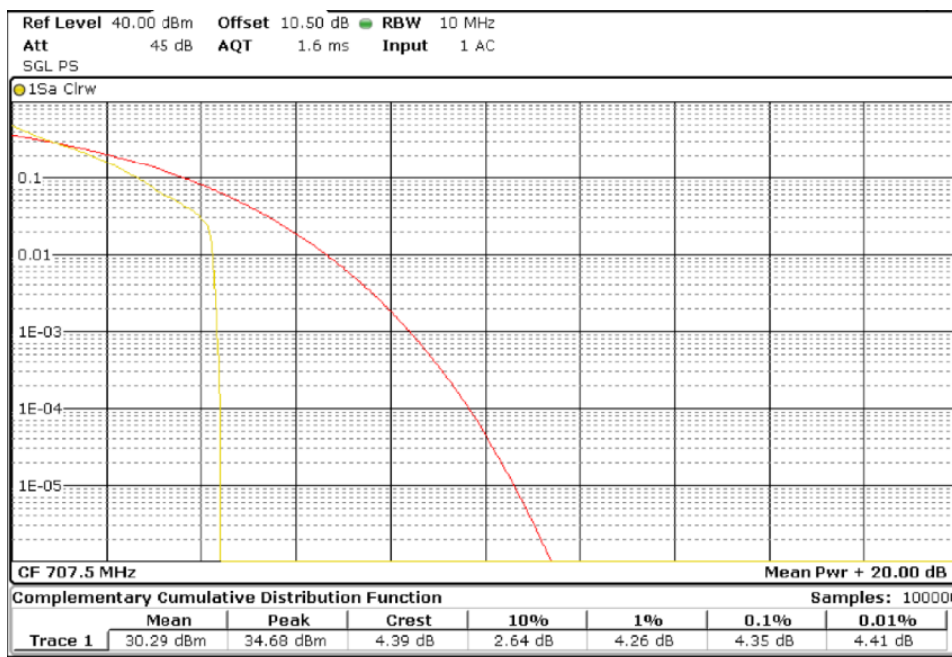


## TEST RESULTS (Cont):

Bandwidth = 10 MHz. Modulation QPSK. RB Size: 1. RB Offset: 0.  
Lowest channel

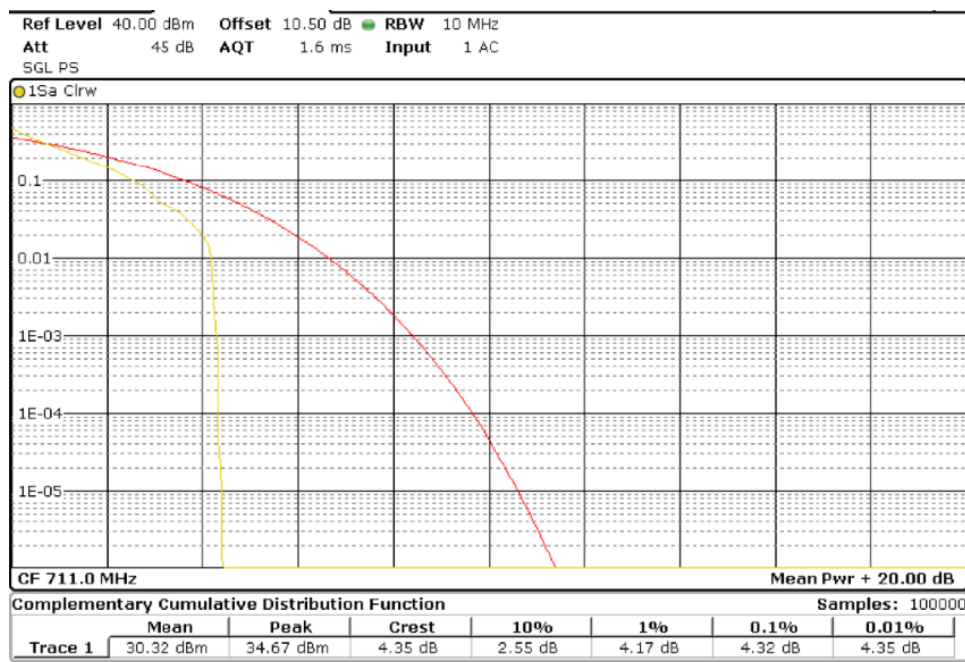


Middle channel

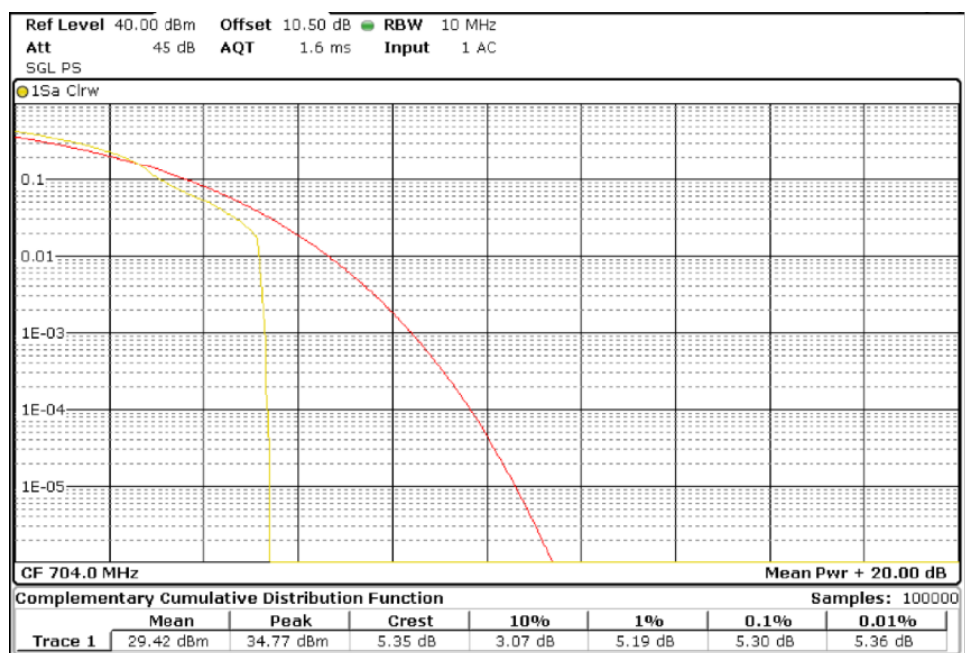


## TEST RESULTS (Cont):

Highest channel

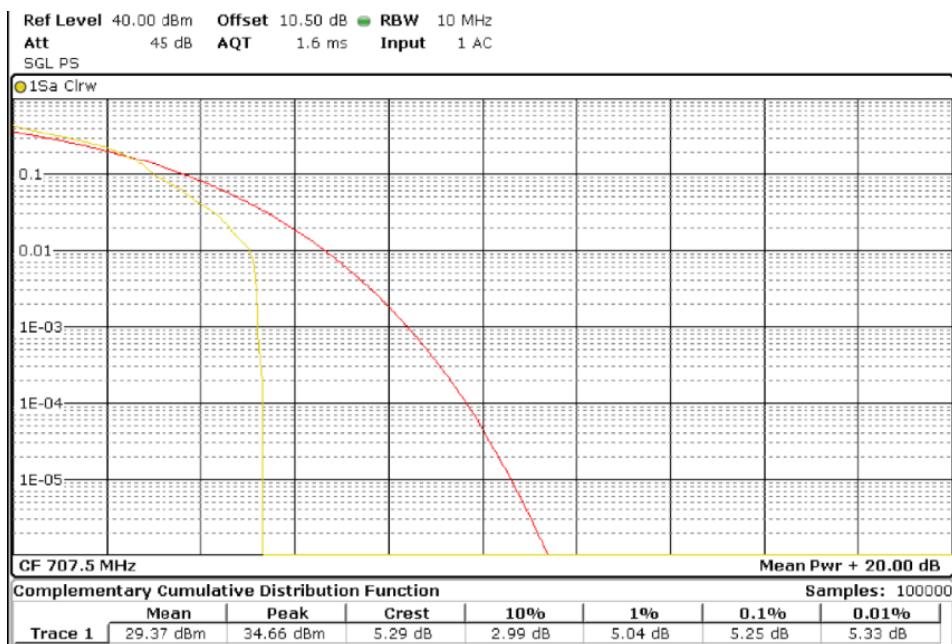


Bandwidth = 10 MHz. Modulation 16QAM. RB Size: 1. RB Offset: 0.  
Lowest channel

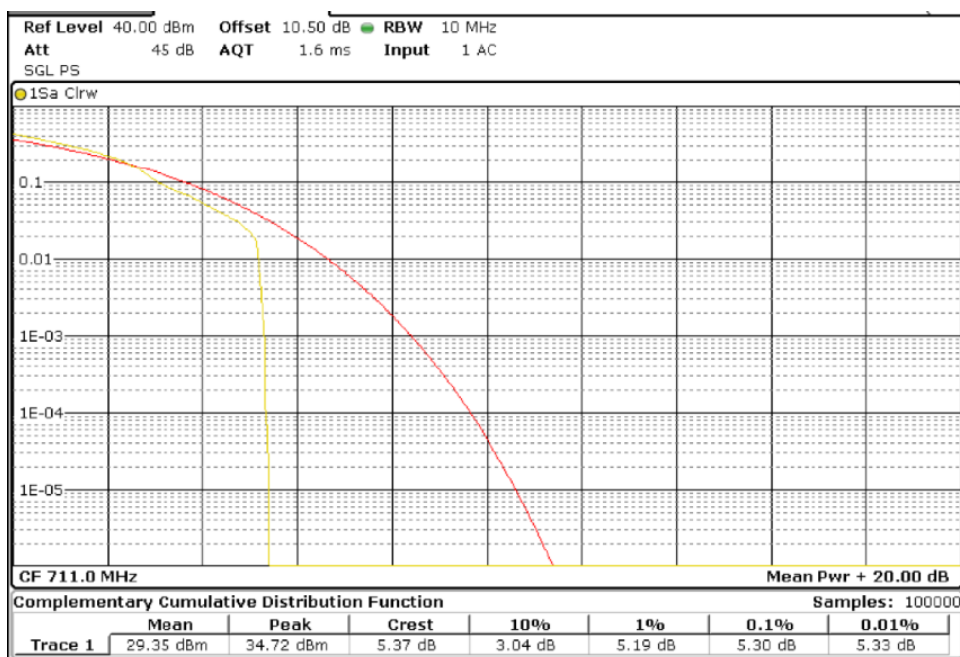


## TEST RESULTS (Cont):

### Middle channel



### Highest channel



|                                 |                 |
|---------------------------------|-----------------|
| <b>TESTED SAMPLES:</b>          | S/01            |
| <b>TESTED CONDITIONS MODES:</b> | TC#04 (Band 13) |
| <b>TEST RESULTS:</b>            | PASS            |

LTE QPSK AND 16QAM MODULATION. Bandwidth = 5 MHz

| Channel | Average power at antenna port (dBm) | Maximum declared antenna gain (dBi) | Maximum E.I.R.P. average power (dBm) | PAPR (dB) |
|---------|-------------------------------------|-------------------------------------|--------------------------------------|-----------|
| Lowest  | 23.18                               | 3.0                                 | 26.18                                | 4.55      |
| Middle  | 23.14                               | 3.0                                 | 26.14                                | 5.33      |
| Highest | 23.11                               | 3.0                                 | 26.05                                | 5.01      |

LTE QPSK AND 16QAM MODULATION. Bandwidth = 10 MHz

| Channel | Average power at antenna port (dBm) | Maximum declared antenna gain (dBi) | Maximum E.I.R.P. average power (dBm) | PAPR (dB) |
|---------|-------------------------------------|-------------------------------------|--------------------------------------|-----------|
| Middle  | 23.17                               | 3.0                                 | 26.17                                | 4.75      |

| TEST RESULTS (Cont): |                                                    |            |                     |                       |                                     |           |
|----------------------|----------------------------------------------------|------------|---------------------|-----------------------|-------------------------------------|-----------|
| Bandwidth (MHz)      | Channel Location Frequency (MHz)<br>Channel Number | Modulation | Resource Block Size | Resource Block Offset | Average power at antenna port (dBm) | PAPR (dB) |
| 5                    | Lowest (23205 (779.5 MHz))                         | QPSK       | 1                   | 0                     | 23.18                               | 3.80      |
|                      |                                                    |            | 1                   | 24                    | 23.18                               |           |
|                      |                                                    |            | 12                  | 0                     | 22.19                               |           |
|                      |                                                    |            | 12                  | 11                    | 22.16                               |           |
|                      |                                                    |            | 25                  | 0                     | 22.19                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22.24                               | 4.55      |
|                      |                                                    |            | 1                   | 24                    | 22.17                               |           |
|                      |                                                    |            | 12                  | 0                     | 21.33                               |           |
|                      |                                                    |            | 12                  | 11                    | 21.31                               |           |
|                      |                                                    |            | 25                  | 0                     | 21.22                               |           |
|                      | Middle (23230 (782 MHz))                           | QPSK       | 1                   | 0                     | 23.13                               | 4.26      |
|                      |                                                    |            | 1                   | 24                    | 23.14                               |           |
|                      |                                                    |            | 12                  | 0                     | 22.14                               |           |
|                      |                                                    |            | 12                  | 11                    | 22.2                                |           |
|                      |                                                    |            | 25                  | 0                     | 22.18                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22.52                               | 5.33      |
|                      |                                                    |            | 1                   | 24                    | 22.54                               |           |
|                      |                                                    |            | 12                  | 0                     | 21.11                               |           |
|                      |                                                    |            | 12                  | 11                    | 21.06                               |           |
|                      |                                                    |            | 25                  | 0                     | 21.17                               |           |
|                      | Highest (23255 (784.5 MHz))                        | QPSK       | 1                   | 0                     | 23.11                               | 4.29      |
|                      |                                                    |            | 1                   | 24                    | 23.05                               |           |
|                      |                                                    |            | 12                  | 0                     | 22.18                               |           |
|                      |                                                    |            | 12                  | 11                    | 22.15                               |           |
|                      |                                                    |            | 25                  | 0                     | 22.14                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22.25                               | 5.01      |
|                      |                                                    |            | 1                   | 24                    | 22.21                               |           |
|                      |                                                    |            | 12                  | 0                     | 21.2                                |           |
|                      |                                                    |            | 12                  | 11                    | 21.19                               |           |
|                      |                                                    |            | 25                  | 0                     | 21.14                               |           |

**TEST RESULTS (Cont):**

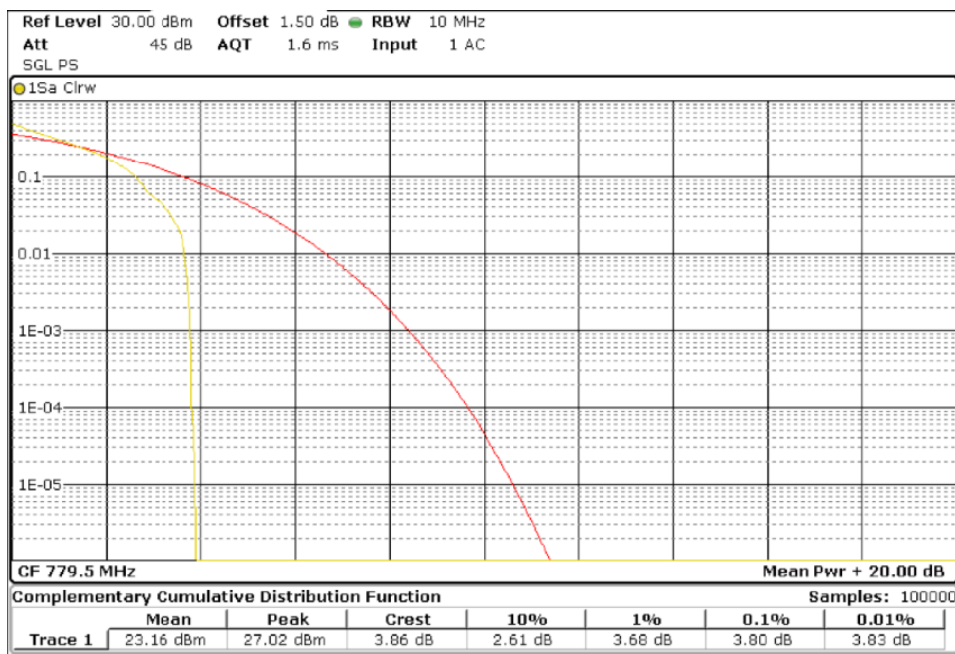
| BANDWIDTH<br>(MHz) | CHANNEL<br>FREQUENCY (MHz)  | MODULATION | RB SIZE | RB<br>OFFSET | AVERAGE POWER<br>(dBm) | PAPR<br>(dB) |
|--------------------|-----------------------------|------------|---------|--------------|------------------------|--------------|
| 10                 | Middle (23230<br>(782 MHz)) | QPSK       | 1       | 0            | 23.17                  | 3.91         |
|                    |                             |            | 1       | 24           | 23.08                  |              |
|                    |                             |            | 1       | 49           | 23.03                  |              |
|                    |                             |            | 25      | 0            | 22.2                   |              |
|                    |                             |            | 25      | 24           | 22.19                  |              |
|                    |                             |            | 50      | 0            | 22.16                  |              |
|                    |                             | 16-QAM     | 1       | 0            | 22.43                  | 4.75         |
|                    |                             |            | 1       | 24           | 22.33                  |              |
|                    |                             |            | 1       | 49           | 22.27                  |              |
|                    |                             |            | 25      | 0            | 21.27                  |              |
|                    |                             |            | 25      | 24           | 21.21                  |              |
|                    |                             |            | 50      | 0            | 21.16                  |              |

## TEST RESULTS (Cont):

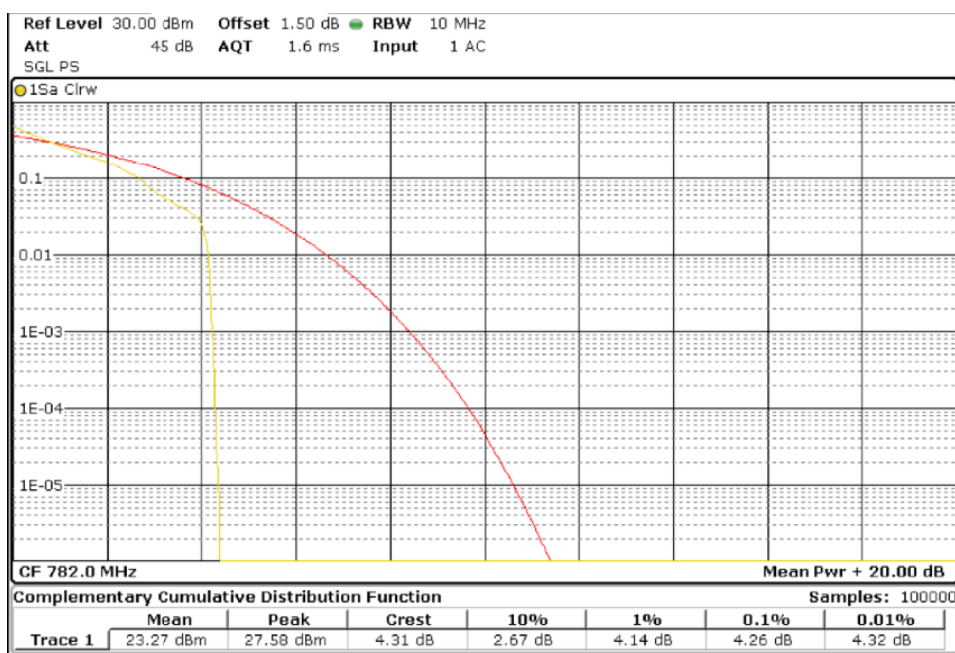
### PAPR

Bandwidth = 5 MHz. Modulation QPSK. RB Size: 1. RB Offset: 0.

Lowest channel

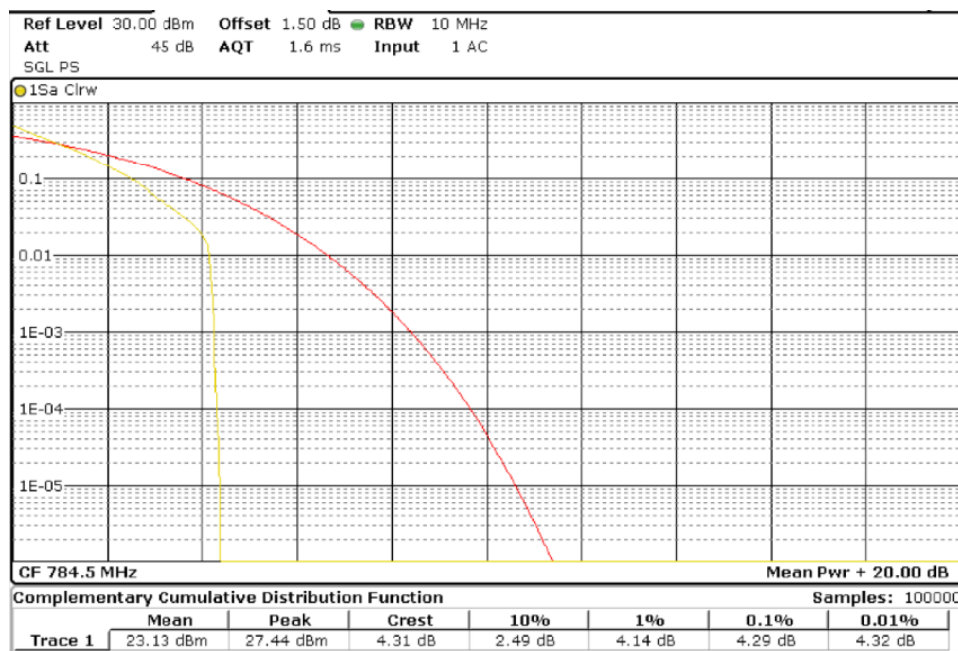


Middle channel

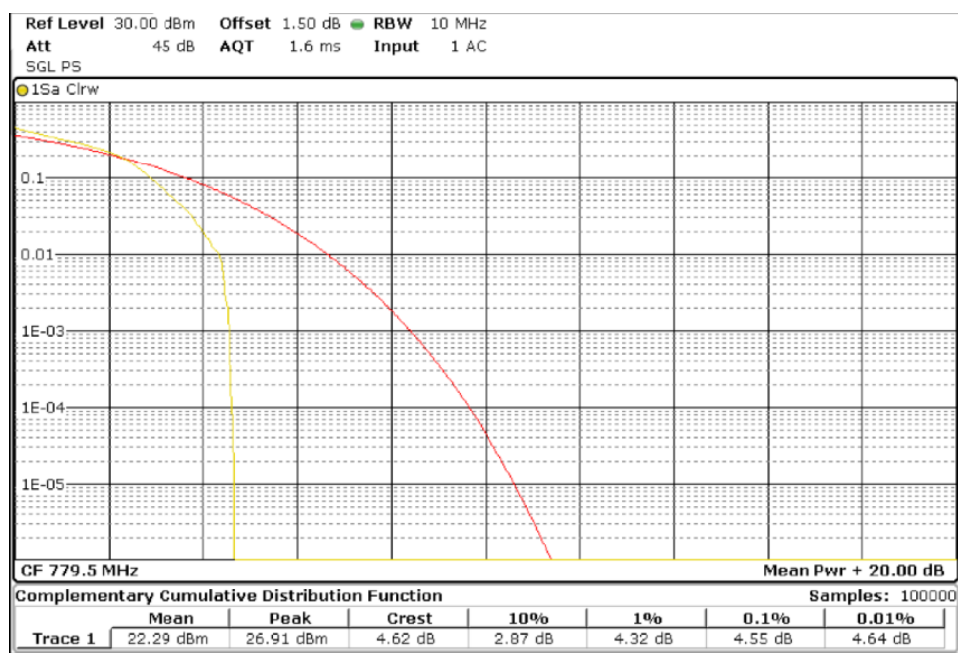


## TEST RESULTS (Cont):

Highest channel

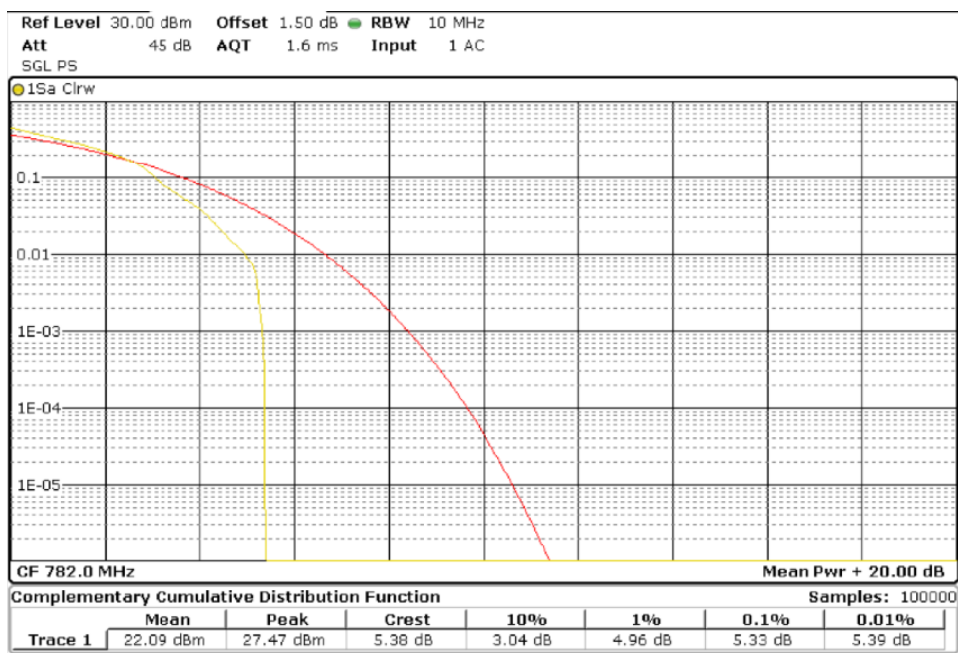


Bandwidth = 5 MHz. Modulation 16QAM. RB Size: 1. RB Offset: 0.  
Lowest channel



## TEST RESULTS (Cont):

### Middle channel

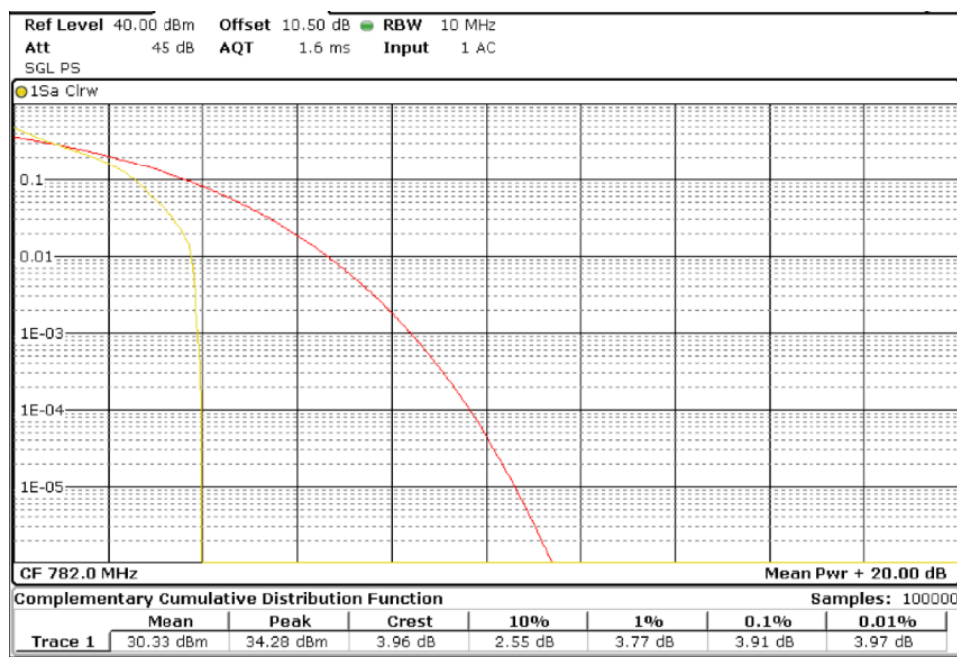


### Highest channel

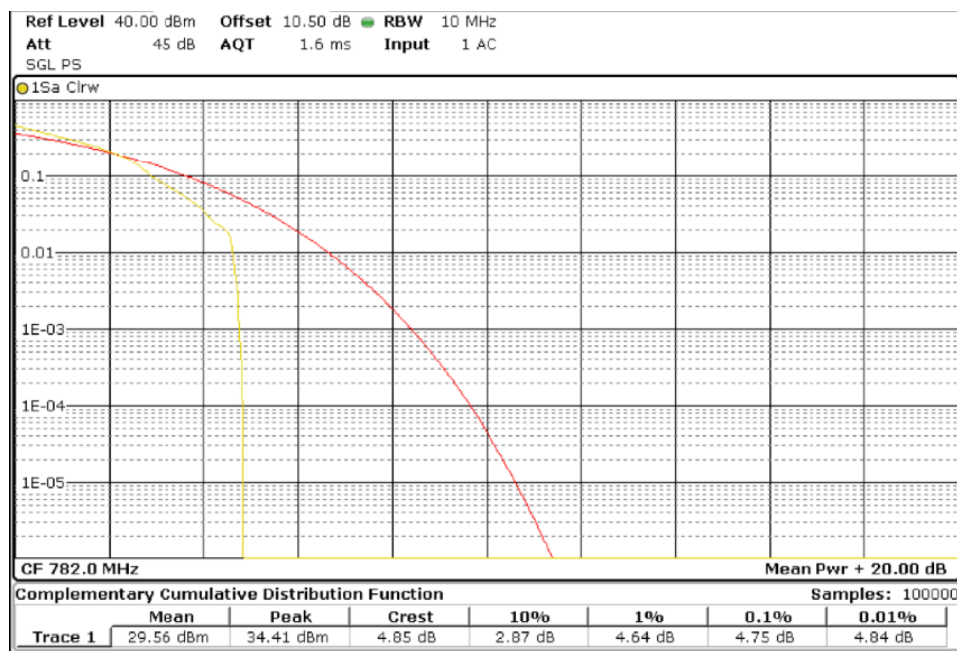


## TEST RESULTS (Cont):

Bandwidth = 10 MHz. Modulation QPSK. RB Size: 1. RB Offset: 0.



Bandwidth = 10 MHz. Modulation 16QAM. RB Size: 1. RB Offset: 0.



|                                 |                 |
|---------------------------------|-----------------|
| <b>TESTED SAMPLES:</b>          | S/01            |
| <b>TESTED CONDITIONS MODES:</b> | TC#05 (Band 66) |
| <b>TEST RESULTS:</b>            | PASS            |

**LTE QPSK AND 16QAM MODULATION. Bandwidth = 1.4 MHz**

| Channel | Average power at antenna port (dBm) | Maximum declared antenna gain (dBi) | Maximum E.I.R.P. average power (dBm) | PAPR (dB) |
|---------|-------------------------------------|-------------------------------------|--------------------------------------|-----------|
| Lowest  | 23                                  | 4.0                                 | 27                                   | 5.68      |
| Middle  | 22.94                               | 4.0                                 | 26.94                                | 5.88      |
| Highest | 23                                  | 4.0                                 | 27                                   | 5.19      |

**LTE QPSK AND 16QAM MODULATION. Bandwidth = 3 MHz**

| Channel | Average power at antenna port (dBm) | Maximum declared antenna gain (dBi) | Maximum E.I.R.P. average power (dBm) | PAPR (dB) |
|---------|-------------------------------------|-------------------------------------|--------------------------------------|-----------|
| Lowest  | 23.03                               | 4.0                                 | 27.03                                | 5.51      |
| Middle  | 22.93                               | 4.0                                 | 26.93                                | 5.86      |
| Highest | 22.97                               | 4.0                                 | 26.97                                | 5.25      |

**LTE QPSK AND 16QAM MODULATION. Bandwidth = 5 MHz**

| Channel | Average power at antenna port (dBm) | Maximum declared antenna gain (dBi) | Maximum E.I.R.P. average power (dBm) | PAPR (dB) |
|---------|-------------------------------------|-------------------------------------|--------------------------------------|-----------|
| Lowest  | 23.09                               | 4.0                                 | 27.09                                | 5.42      |
| Middle  | 22.96                               | 4.0                                 | 26.96                                | 5.59      |
| Highest | 22.98                               | 4.0                                 | 26.98                                | 5.30      |

**LTE QPSK AND 16QAM MODULATION. Bandwidth = 10 MHz**

| Channel | Average power at antenna port (dBm) | Maximum declared antenna gain (dBi) | Maximum E.I.R.P. average power (dBm) | PAPR (dB) |
|---------|-------------------------------------|-------------------------------------|--------------------------------------|-----------|
| Lowest  | 23.06                               | 4.0                                 | 27.06                                | 5.42      |
| Middle  | 22.93                               | 4.0                                 | 26.93                                | 5.71      |
| Highest | 23.02                               | 4.0                                 | 27.02                                | 5.51      |

**LTE QPSK AND 16QAM MODULATION. Bandwidth = 15 MHz**

| Channel | Average power at antenna port (dBm) | Maximum declared antenna gain (dBi) | Maximum E.I.R.P. average power (dBm) | PAPR (dB) |
|---------|-------------------------------------|-------------------------------------|--------------------------------------|-----------|
| Lowest  | 23.14                               | 4.0                                 | 27.14                                | 5.42      |
| Middle  | 23.03                               | 4.0                                 | 27.03                                | 5.62      |
| Highest | 23.08                               | 4.0                                 | 27.08                                | 5.54      |

**LTE QPSK AND 16QAM MODULATION. Bandwidth = 20 MHz**

| Channel                      | Average power at antenna port (dBm) | Maximum declared antenna gain (dBi) | Maximum E.I.R.P. average power (dBm) | PAPR (dB) |
|------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|-----------|
| Lowest                       | 23.16                               | 4.0                                 | 27.16                                | 5.22      |
| Middle                       | 23.08                               | 4.0                                 | 27.08                                | 5.51      |
| Highest                      | 23.05                               | 4.0                                 | 27.05                                | 5.33      |
| Measurement uncertainty (dB) |                                     |                                     | <±0.95                               |           |

| TEST RESULTS (Cont): |                                                    |            |                     |                       |                                     |           |
|----------------------|----------------------------------------------------|------------|---------------------|-----------------------|-------------------------------------|-----------|
| Bandwidth (MHz)      | Channel Location Frequency (MHz)<br>Channel Number | Modulation | Resource Block Size | Resource Block Offset | Average power at antenna port (dBm) | PAPR (dB) |
| 1.4                  | Lowest (131979 (1710.7 MHz))                       | QPSK       | 1                   | 0                     | 22.97                               | 4.72      |
|                      |                                                    |            | 1                   | 5                     | 22.94                               |           |
|                      |                                                    |            | 3                   | 0                     | 22.93                               |           |
|                      |                                                    |            | 3                   | 2                     | 23                                  |           |
|                      |                                                    |            | 6                   | 0                     | 21.97                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22.16                               | 5.68      |
|                      |                                                    |            | 1                   | 5                     | 22.2                                |           |
|                      |                                                    |            | 3                   | 0                     | 21.95                               |           |
|                      |                                                    |            | 3                   | 2                     | 22.03                               |           |
|                      |                                                    |            | 6                   | 0                     | 21.01                               |           |
|                      | Middle (132422 (1755 MHz))                         | QPSK       | 1                   | 0                     | 22.78                               | 5.01      |
|                      |                                                    |            | 1                   | 5                     | 22.81                               |           |
|                      |                                                    |            | 3                   | 0                     | 22.9                                |           |
|                      |                                                    |            | 3                   | 2                     | 22.94                               |           |
|                      |                                                    |            | 6                   | 0                     | 21.86                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22.04                               | 5.88      |
|                      |                                                    |            | 1                   | 5                     | 22.06                               |           |
|                      |                                                    |            | 3                   | 0                     | 21.8                                |           |
|                      |                                                    |            | 3                   | 2                     | 21.86                               |           |
|                      |                                                    |            | 6                   | 0                     | 20.91                               |           |
|                      | Highest (132665 (1779.3 MHz))                      | QPSK       | 1                   | 0                     | 22.87                               | 4.32      |
|                      |                                                    |            | 1                   | 5                     | 22.91                               |           |
|                      |                                                    |            | 3                   | 0                     | 22.97                               |           |
|                      |                                                    |            | 3                   | 2                     | 23                                  |           |
|                      |                                                    |            | 6                   | 0                     | 21.91                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 21.93                               | 5.19      |
|                      |                                                    |            | 1                   | 5                     | 21.9                                |           |
|                      |                                                    |            | 3                   | 0                     | 21.89                               |           |
|                      |                                                    |            | 3                   | 2                     | 21.92                               |           |
|                      |                                                    |            | 6                   | 0                     | 21.03                               |           |

| TEST RESULTS (Cont): |                                                    |            |                     |                       |                                     |           |
|----------------------|----------------------------------------------------|------------|---------------------|-----------------------|-------------------------------------|-----------|
| Bandwidth (MHz)      | Channel Location Frequency (MHz)<br>Channel Number | Modulation | Resource Block Size | Resource Block Offset | Average power at antenna port (dBm) | PAPR (dB) |
| 3                    | Lowest (131987 (1711.5 MHz))                       | QPSK       | 1                   | 0                     | 23.03                               | 4.61      |
|                      |                                                    |            | 1                   | 14                    | 23.01                               |           |
|                      |                                                    |            | 8                   | 0                     | 22.07                               |           |
|                      |                                                    |            | 8                   | 7                     | 22.03                               |           |
|                      |                                                    |            | 15                  | 0                     | 22.01                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22.22                               | 5.51      |
|                      |                                                    |            | 1                   | 14                    | 22.17                               |           |
|                      |                                                    |            | 8                   | 0                     | 21.21                               |           |
|                      |                                                    |            | 8                   | 7                     | 21.23                               |           |
|                      |                                                    |            | 15                  | 0                     | 21.06                               |           |
|                      | Middle (132422 (1755 MHz))                         | QPSK       | 1                   | 0                     | 22.92                               | 4.81      |
|                      |                                                    |            | 1                   | 14                    | 22.93                               |           |
|                      |                                                    |            | 8                   | 0                     | 21.92                               |           |
|                      |                                                    |            | 8                   | 7                     | 21.95                               |           |
|                      |                                                    |            | 15                  | 0                     | 21.95                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22.17                               | 5.86      |
|                      |                                                    |            | 1                   | 14                    | 22.16                               |           |
|                      |                                                    |            | 8                   | 0                     | 21.11                               |           |
|                      |                                                    |            | 8                   | 7                     | 21.04                               |           |
|                      |                                                    |            | 15                  | 0                     | 20.98                               |           |
|                      | Highest (132657 (1778.5 MHz))                      | QPSK       | 1                   | 0                     | 22.97                               | 4.32      |
|                      |                                                    |            | 1                   | 14                    | 22.96                               |           |
|                      |                                                    |            | 8                   | 0                     | 22                                  |           |
|                      |                                                    |            | 8                   | 7                     | 21.97                               |           |
|                      |                                                    |            | 15                  | 0                     | 22.01                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22.15                               | 5.25      |
|                      |                                                    |            | 1                   | 14                    | 22.16                               |           |
|                      |                                                    |            | 8                   | 0                     | 21.08                               |           |
|                      |                                                    |            | 8                   | 7                     | 21.14                               |           |
|                      |                                                    |            | 15                  | 0                     | 21.07                               |           |

| TEST RESULTS (Cont): |                                                    |            |                     |                       |                                     |           |
|----------------------|----------------------------------------------------|------------|---------------------|-----------------------|-------------------------------------|-----------|
| Bandwidth (MHz)      | Channel Location Frequency (MHz)<br>Channel Number | Modulation | Resource Block Size | Resource Block Offset | Average power at antenna port (dBm) | PAPR (dB) |
| 5                    | Lowest (131997 (1712.5 MHz))                       | QPSK       | 1                   | 0                     | 23.09                               | 4.64      |
|                      |                                                    |            | 1                   | 24                    | 23.03                               |           |
|                      |                                                    |            | 12                  | 0                     | 22..07                              |           |
|                      |                                                    |            | 12                  | 11                    | 22.08                               |           |
|                      |                                                    |            | 25                  | 0                     | 22.02                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22.21                               | 5.42      |
|                      |                                                    |            | 1                   | 24                    | 22.24                               |           |
|                      |                                                    |            | 12                  | 0                     | 21.1                                |           |
|                      |                                                    |            | 12                  | 11                    | 21.11                               |           |
|                      |                                                    |            | 25                  | 0                     | 21.02                               |           |
|                      | Middle (132422 (1755 MHz))                         | QPSK       | 1                   | 0                     | 22.96                               | 4.81      |
|                      |                                                    |            | 1                   | 24                    | 22.96                               |           |
|                      |                                                    |            | 12                  | 0                     | 21.94                               |           |
|                      |                                                    |            | 12                  | 11                    | 21.93                               |           |
|                      |                                                    |            | 25                  | 0                     | 21.95                               |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22                                  | 5.59      |
|                      |                                                    |            | 1                   | 24                    | 22.02                               |           |
|                      |                                                    |            | 12                  | 0                     | 21.06                               |           |
|                      |                                                    |            | 12                  | 11                    | 21.09                               |           |
|                      |                                                    |            | 25                  | 0                     | 20.93                               |           |
|                      | Highest (132647 (1777.5 MHz))                      | QPSK       | 1                   | 0                     | 22.98                               | 4.32      |
|                      |                                                    |            | 1                   | 24                    | 22.94                               |           |
|                      |                                                    |            | 12                  | 0                     | 22.01                               |           |
|                      |                                                    |            | 12                  | 11                    | 22.02                               |           |
|                      |                                                    |            | 25                  | 0                     | 22                                  |           |
|                      |                                                    | 16-QAM     | 1                   | 0                     | 22.41                               | 5.30      |
|                      |                                                    |            | 1                   | 24                    | 22.37                               |           |
|                      |                                                    |            | 12                  | 0                     | 20.96                               |           |
|                      |                                                    |            | 12                  | 11                    | 20.91                               |           |
|                      |                                                    |            | 25                  | 0                     | 21.06                               |           |