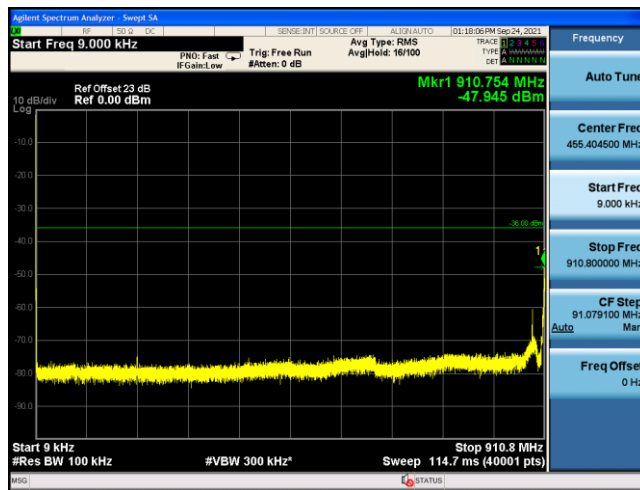
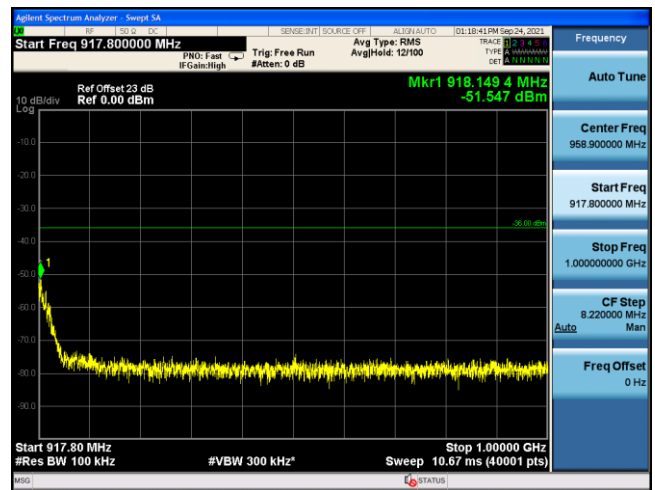


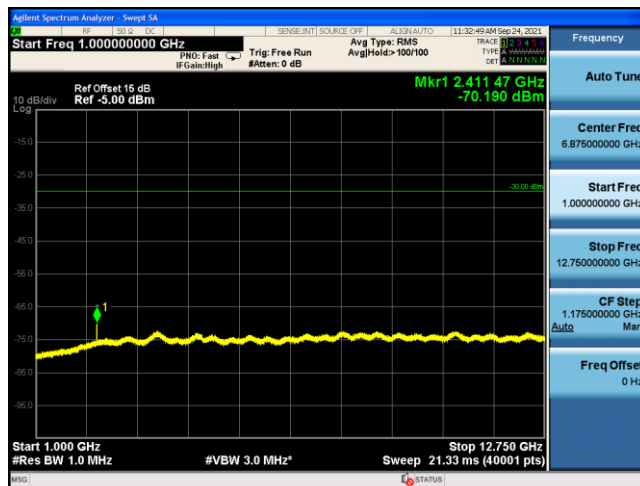
### QPSK 1.4MHz CH21793 1RB#0



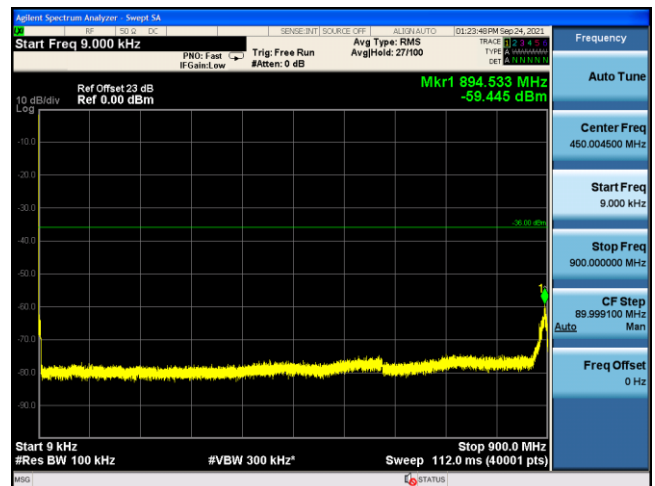
### QPSK 1.4MHz CH21793 1RB#0



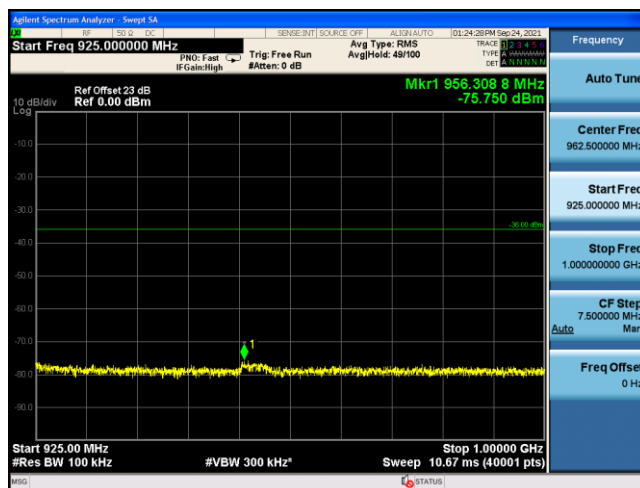
### QPSK 1.4MHz CH21793 1RB#0



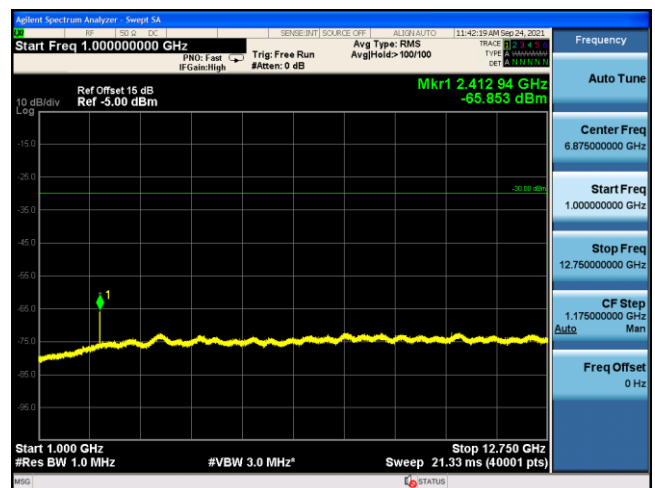
### QPSK 5MHz CH21775 1RB#0



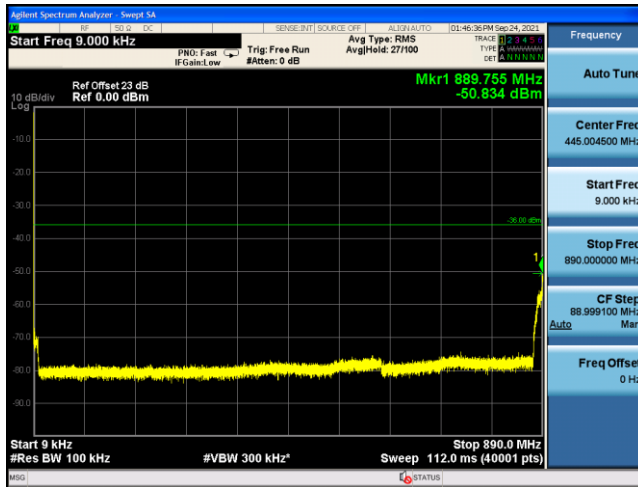
### QPSK 5MHz CH21775 1RB#0



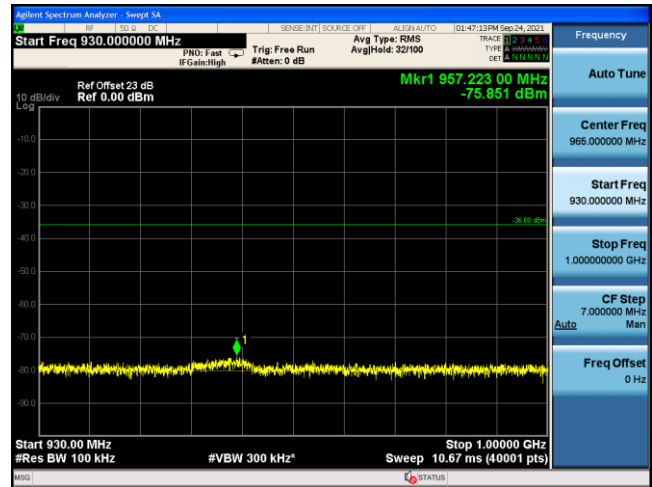
### QPSK 5MHz CH21775 1RB#0



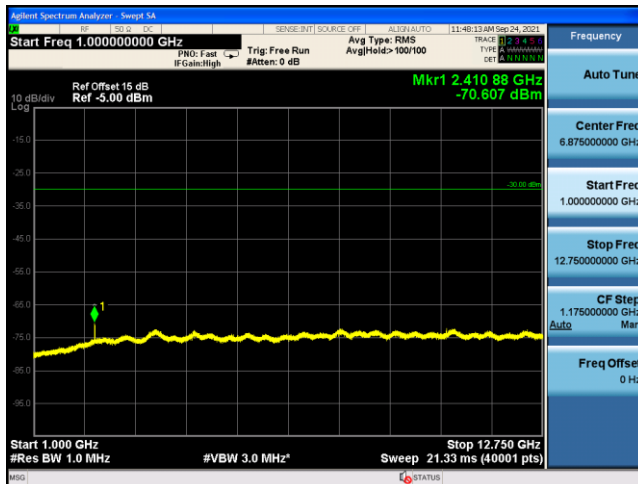
### QPSK 10MHz CH21750 1RB#0



### QPSK 10MHz CH21750 1RB#0

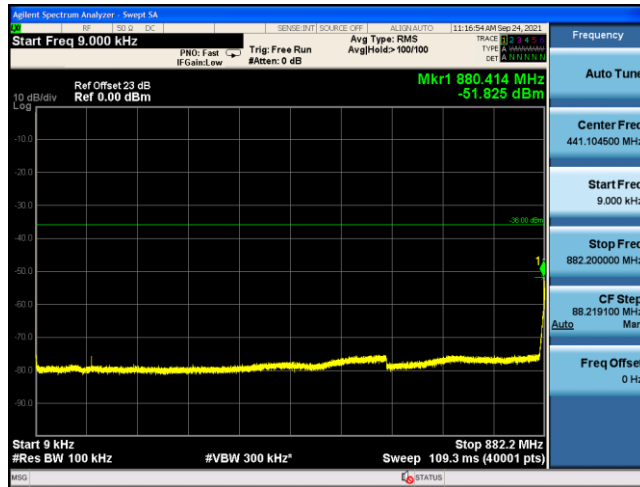


### QPSK 10MHz CH21750 1RB#0

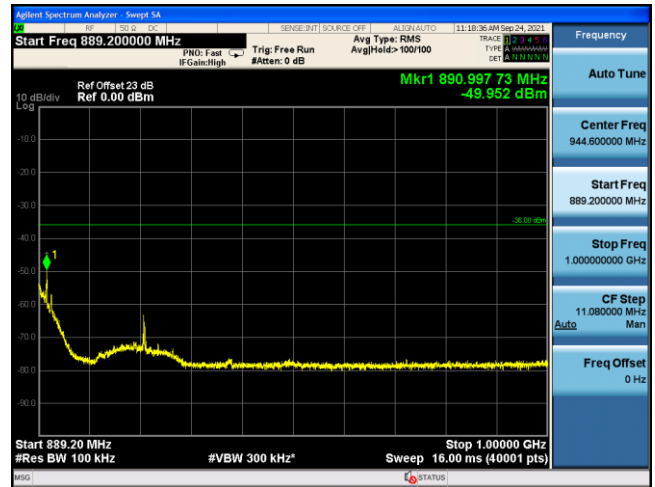


| Band 8 (900MHz)-Partial RB(#Max+1-RB allocation) |         |       |                                  |           |              |        |
|--------------------------------------------------|---------|-------|----------------------------------|-----------|--------------|--------|
| Modulation                                       | Test CH | CH    | $\Delta f_{\text{OOB}}$<br>(MHz) | RB<br>No. | RB<br>Offset | Result |
| QPSK                                             | LOW     | 21507 | 1.4MHz                           | 1         | 5            | PASS   |
|                                                  |         | 21525 | 5MHz                             | 1         | 24           | PASS   |
|                                                  |         | 21550 | 10MHz                            | 1         | 49           | PASS   |
|                                                  | MID     | 21650 | 1.4MHz                           | 1         | 5            | PASS   |
|                                                  |         |       | 5MHz                             | 1         | 24           | PASS   |
|                                                  |         |       | 10MHz                            | 1         | 49           | PASS   |
|                                                  | HIGH    | 21793 | 1.4MHz                           | 1         | 5            | PASS   |
|                                                  |         | 21775 | 5MHz                             | 1         | 24           | PASS   |
|                                                  |         | 21750 | 10MHz                            | 1         | 49           | PASS   |

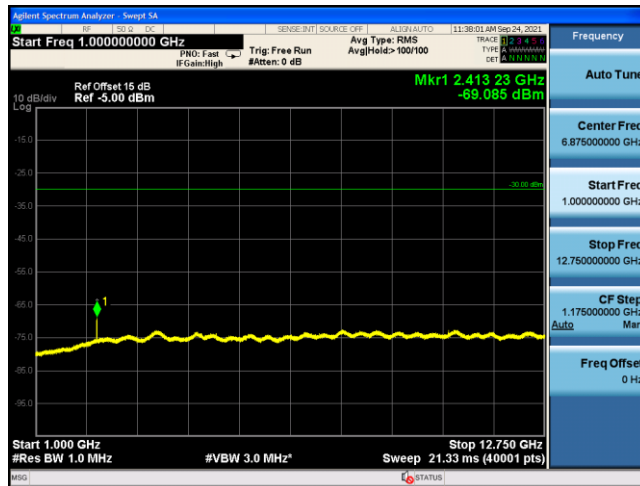
### QPSK 1.4MHz CH21507 1RB#5



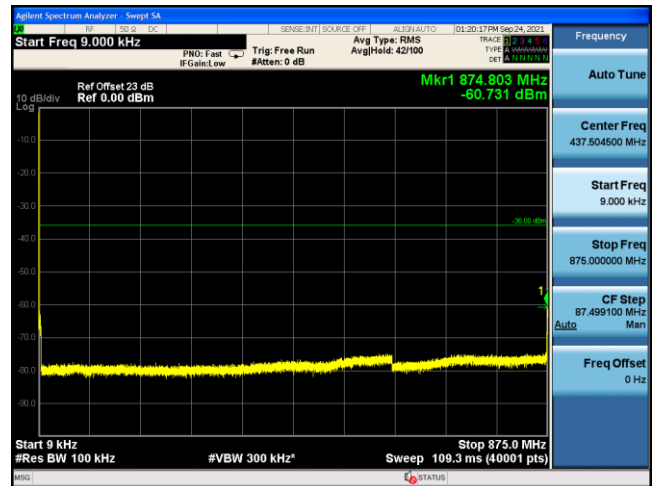
### QPSK 1.4MHz CH21507 1RB#5



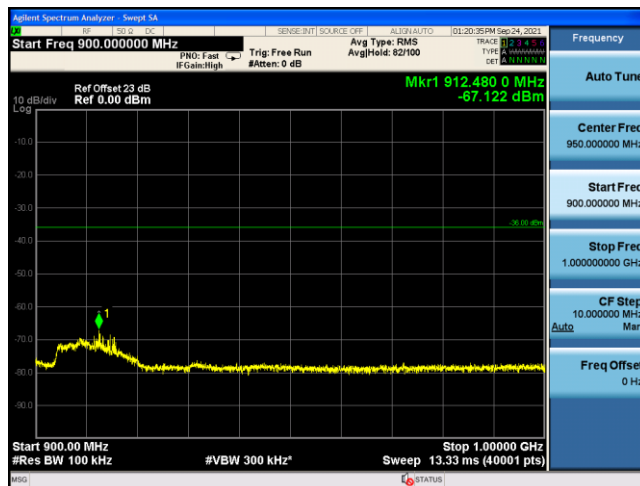
### QPSK 1.4MHz CH21507 1RB#5



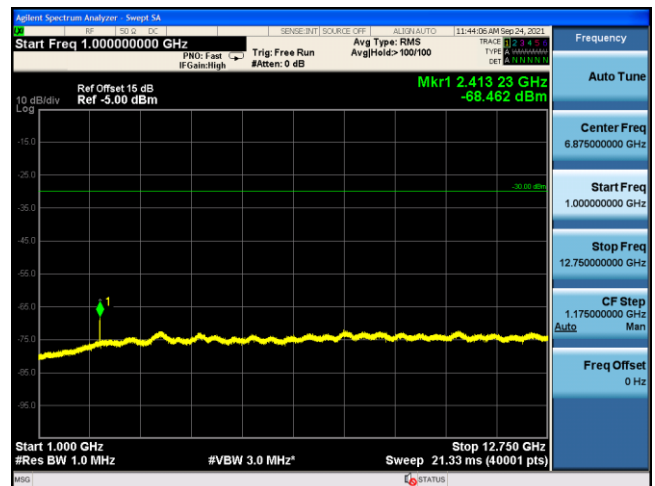
### QPSK 5MHz CH21525 1RB#24



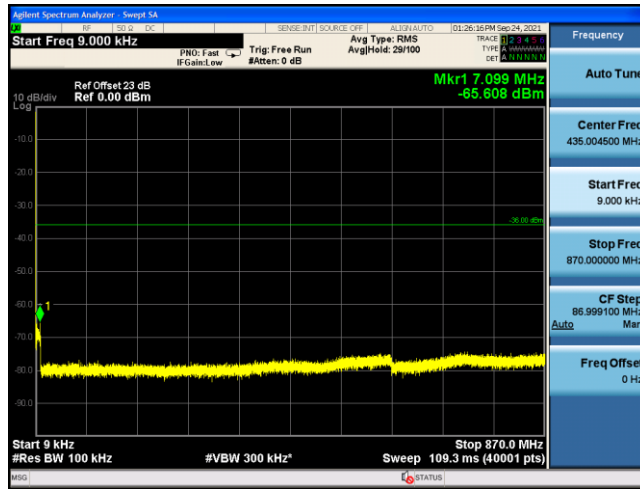
### QPSK 5MHz CH21525 1RB#24



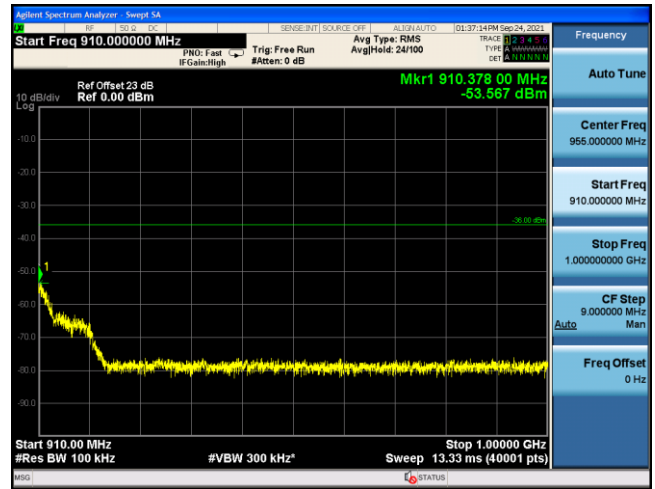
### QPSK 5MHz CH21525 1RB#24



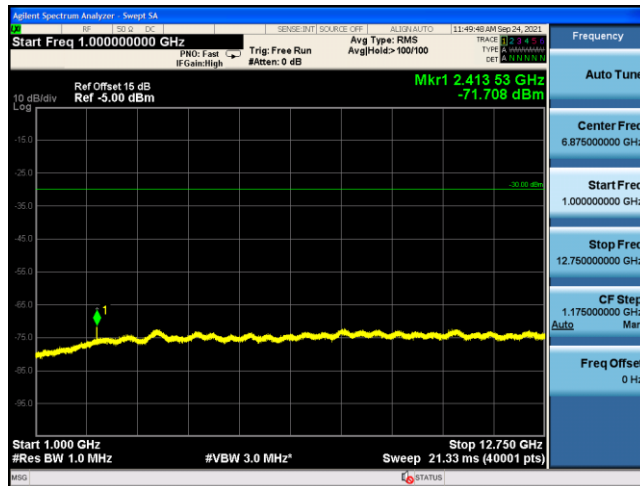
### QPSK 10MHz CH21550 1RB#49



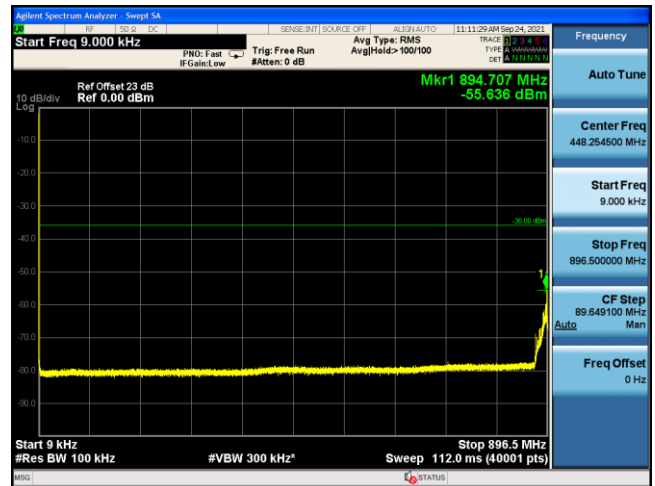
### QPSK 10MHz CH21550 1RB#49



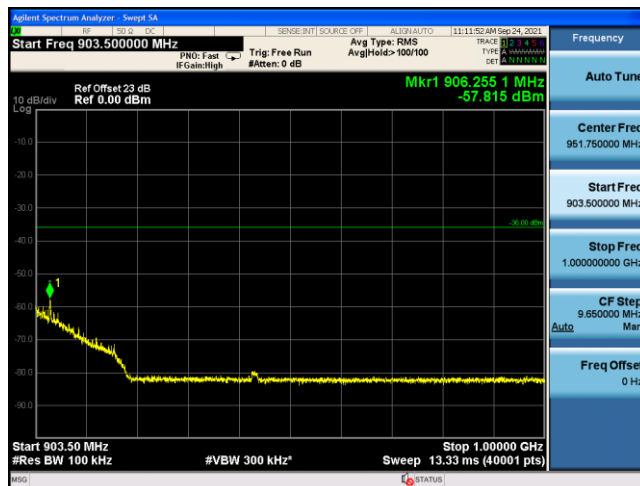
### QPSK 10MHz CH21550 1RB#49



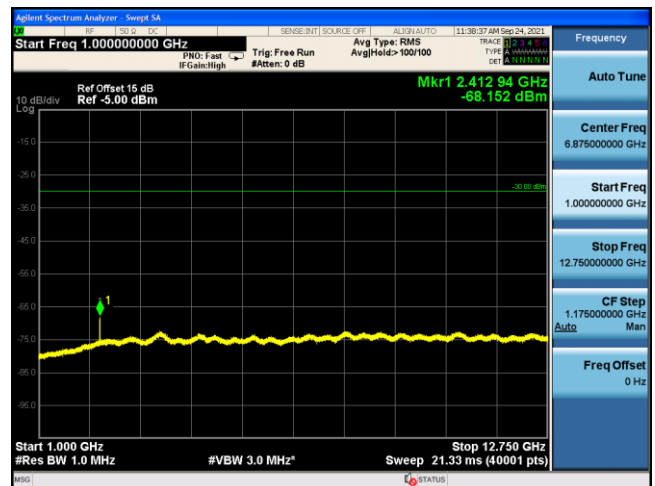
### QPSK 1.4MHz CH21650 1RB#5



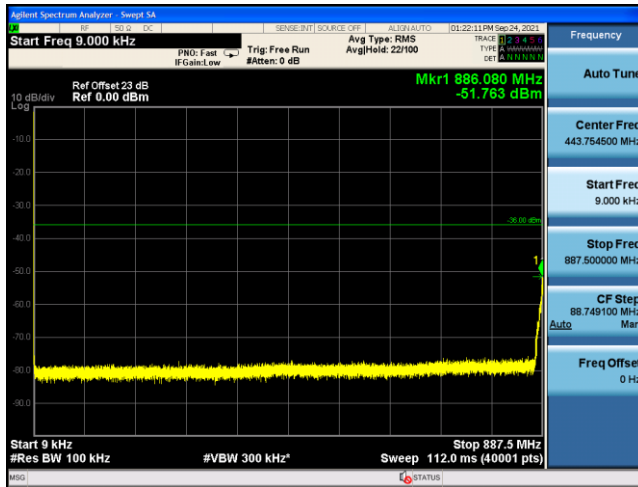
### QPSK 1.4MHz CH21650 1RB#5



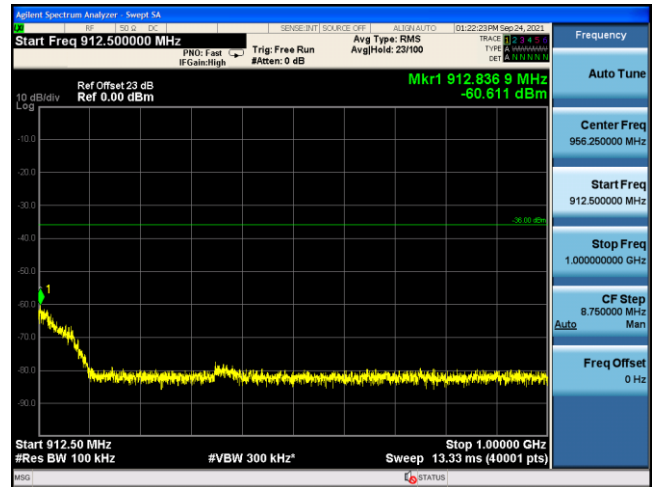
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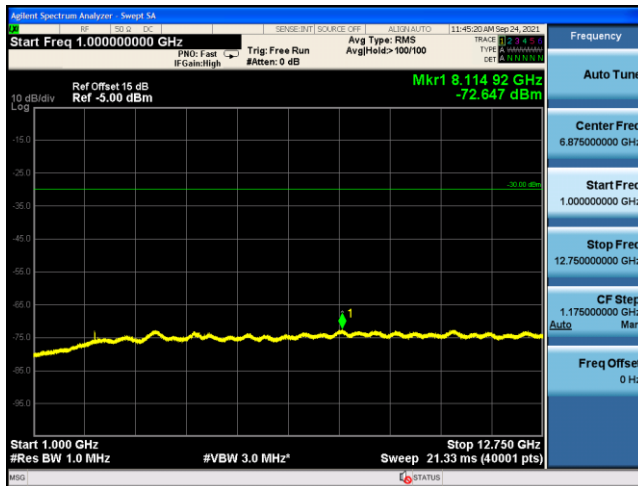
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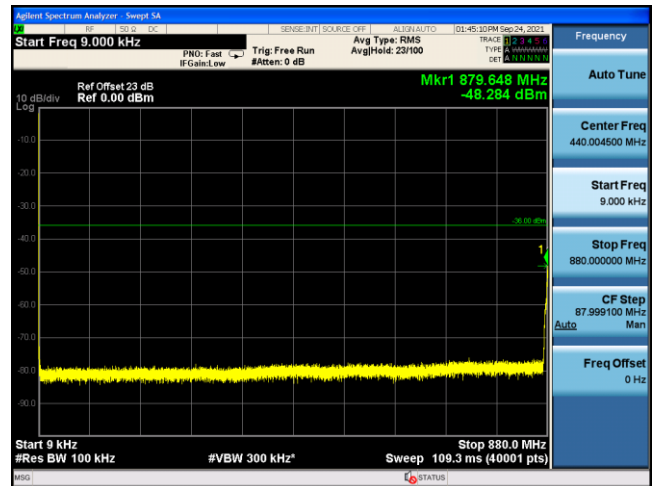
### QPSK 5MHz CH21650 1RB#24



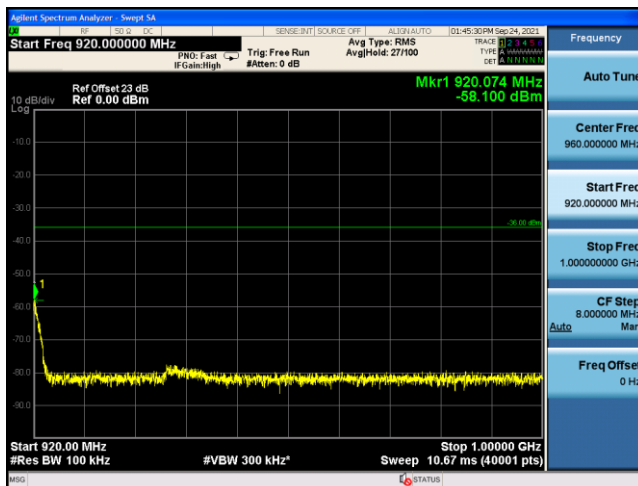
### QPSK 5MHz CH21650 1RB#24



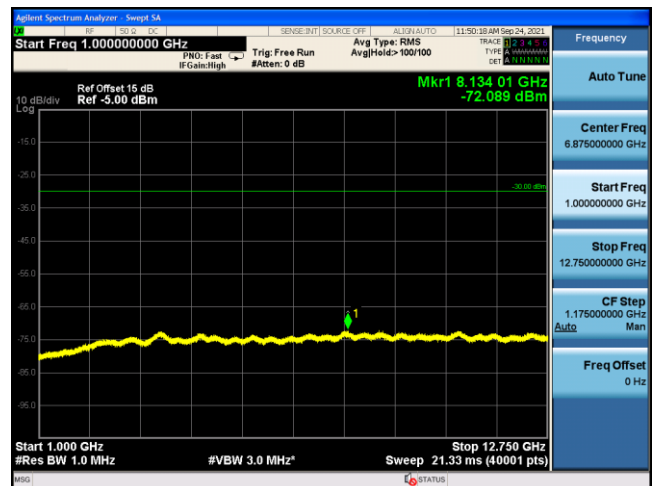
### QPSK 10MHz CH21650 1RB#49



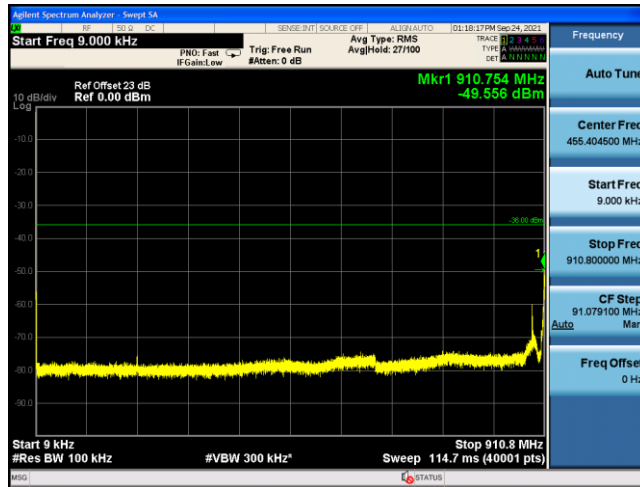
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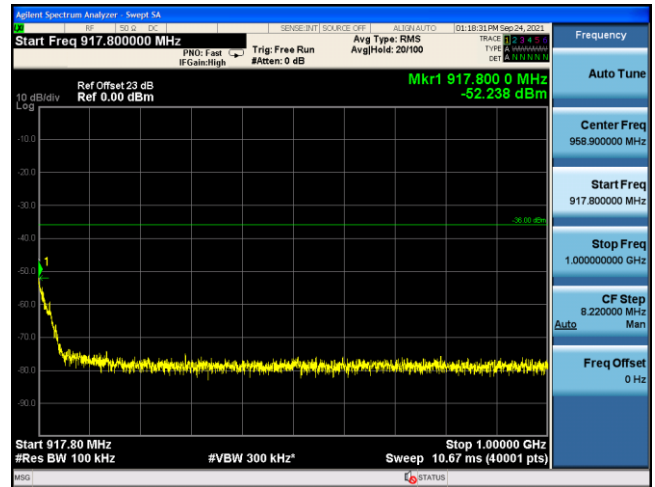
### QPSK 10MHz CH21650 1RB#49



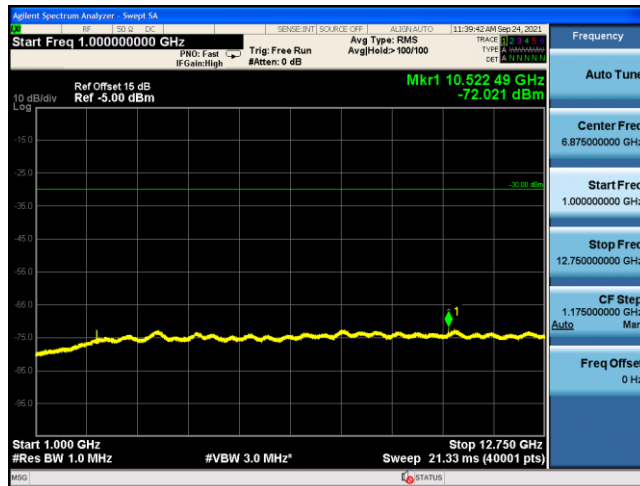
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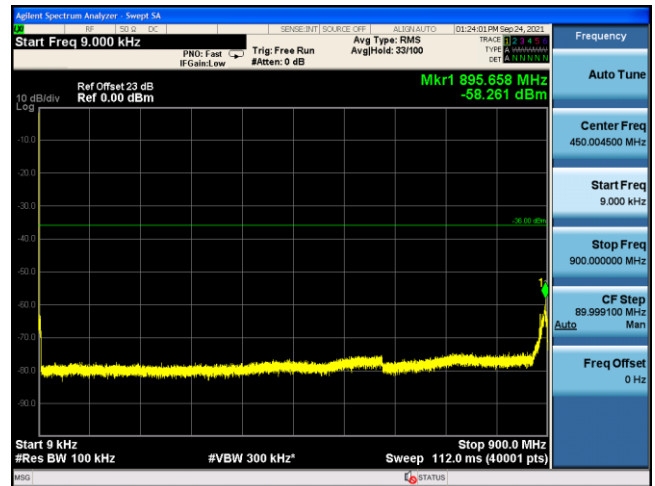
### QPSK 1.4MHz CH21793 1RB#5



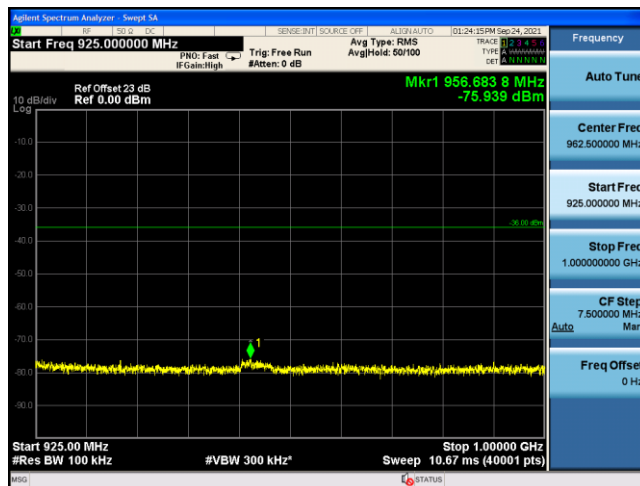
### QPSK 1.4MHz CH21793 1RB#5



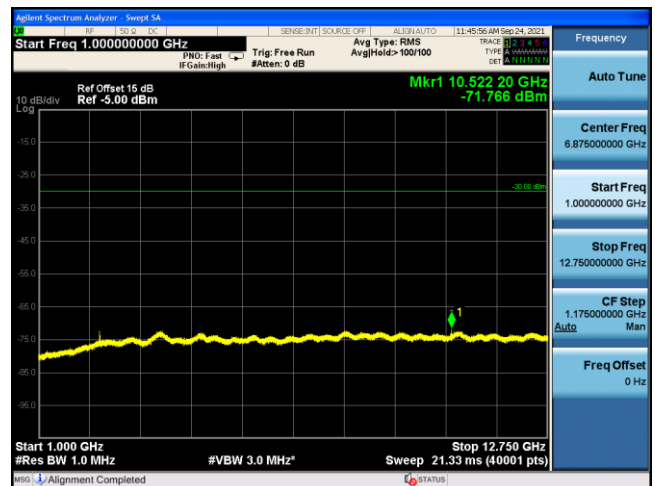
### QPSK 5MHz CH21775 1RB#24



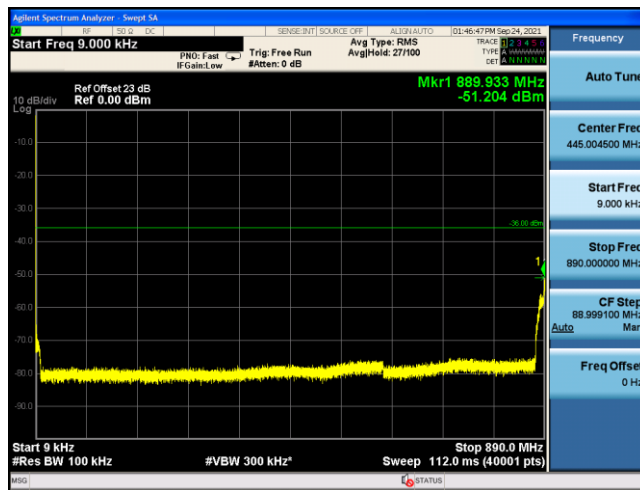
### QPSK 5MHz CH21775 1RB#24



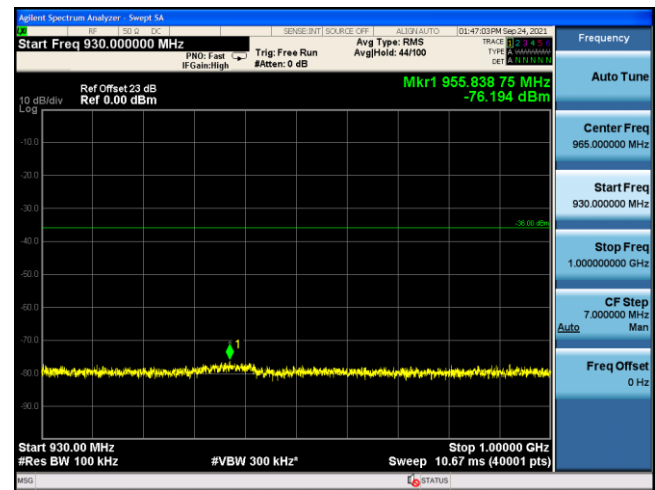
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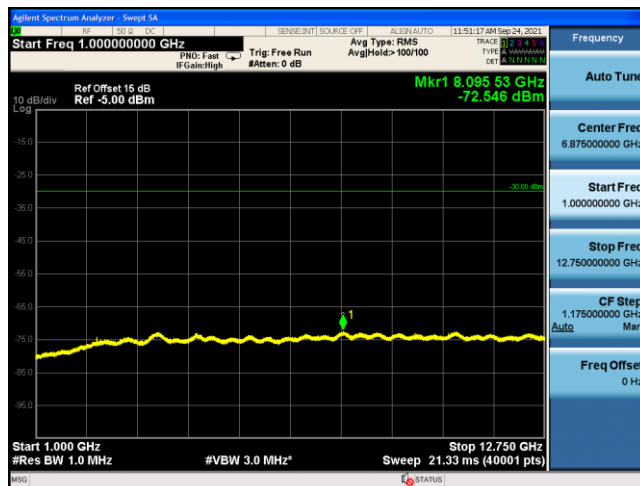
### QPSK 10MHz CH21750 1RB#49



### QPSK 10MHz CH21750 1RB#49



### QPSK 10MHz CH21750 1RB#49



## 5.4 相鄰頻道洩漏功率比(ACLR)

### 5.4.1 合格標準

#### LTE 終端設備 ACLR 規範值

|             | 頻道頻寬     |         |         |         |          |        |
|-------------|----------|---------|---------|---------|----------|--------|
|             | 1.4MHz   | 3MHz    | 5MHz    | 10MHz   | 15MHz    | 20MHz  |
| 相鄰頻道偏移      | ±1.4MHz  | ±3MHz   | ±5MHz   | ±10MHz  | ±15MHz   | ±20MHz |
| 頻道量測頻寬      | 1.08 MHz | 2.7 MHz | 4.5 MHz | 9.0 MHz | 13.5 MHz | 18 MHz |
| 相鄰頻道洩漏功率限制值 | 29.2dB   |         |         |         |          |        |

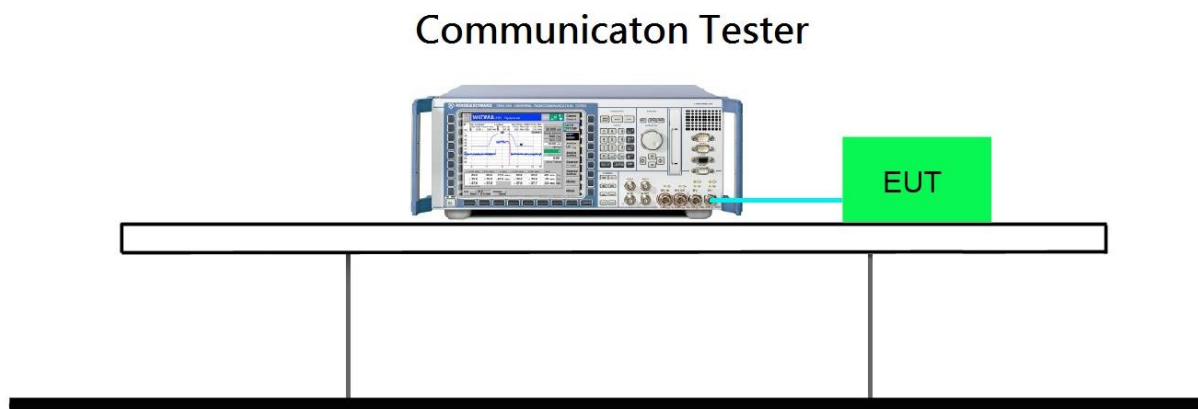
#### LTE 終端設備 ACLR 規範值 (HPUE 適用)

|             | 頻道頻寬   |      |         |         |          |        |
|-------------|--------|------|---------|---------|----------|--------|
|             | 1.4MHz | 3MHz | 5MHz    | 10MHz   | 15MHz    | 20MHz  |
| 相鄰頻道偏移      | N/A    | N/A  | ±5MHz   | ±10MHz  | ±15MHz   | ±20MHz |
| 頻道量測頻寬      | N/A    | N/A  | 4.5 MHz | 9.0 MHz | 13.5 MHz | 18 MHz |
| 相鄰頻道洩漏功率限制值 | N/A    | N/A  | 30.2 dB |         |          |        |

### 5.4.2 測試方法

- (1) 測量檢測頻道與其相鄰通道的平均功率，計算相鄰頻道洩漏功率比。測量時，頻道的量測頻寬依表三之規定。
- (2) 檢測頻道為低、中、高三個頻道，對最低、5MHz、10MHz及最高的工作頻寬之調變級數發射模式，均應分別檢測之。
- (3) 其餘相關規定請參照 3GPP TS 36.521-1。

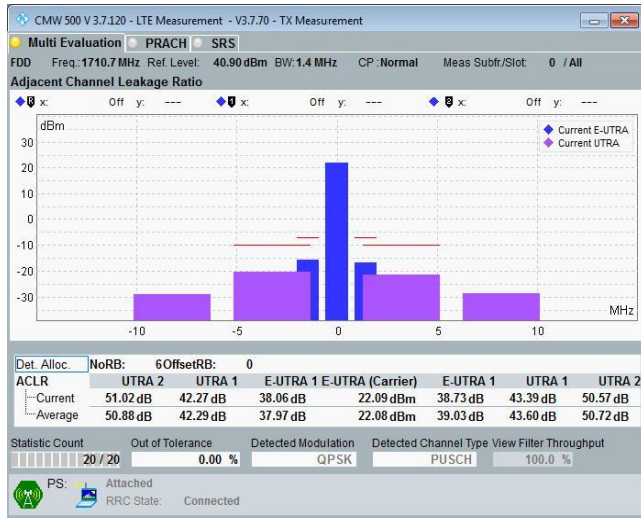
### 5.4.3 實驗方法方塊圖



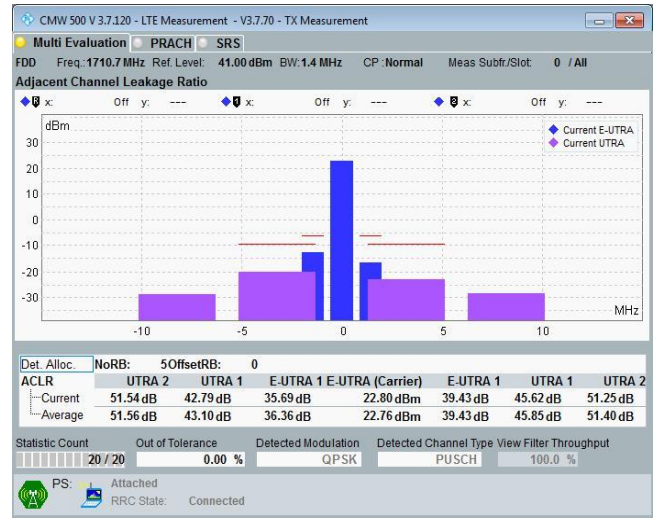
#### 5.4.4 實驗數據

| Band 3 (1800MHz)                          |         |                |                                   |         |                |                                   |
|-------------------------------------------|---------|----------------|-----------------------------------|---------|----------------|-----------------------------------|
| Modulation                                | QPSK    |                |                                   | 16QAM   |                |                                   |
| RB allocation                             | Full RB | Partial RB(#0) | Partial RB (#Max+1-RB allocation) | Full RB | Partial RB(#0) | Partial RB (#Max+1-RB allocation) |
| 頻道頻寬: 1.4MHz, 相鄰頻道偏移: $\pm 1.4\text{MHz}$ |         |                |                                   |         |                |                                   |
| CH 19207                                  | 37.97   | 36.36          | 36.50                             | 37.58   | 37.26          | 37.19                             |
| CH 19575                                  | 38.38   | 37.40          | 40.08                             | 38.51   | 38.30          | 40.91                             |
| CH 19943                                  | 38.87   | 35.10          | 32.95                             | 39.18   | 38.16          | 35.40                             |
| 頻道頻寬: 5MHz, 相鄰頻道偏移: $\pm 5\text{MHz}$     |         |                |                                   |         |                |                                   |
| CH 19225                                  | 36.77   | 33.84          | 36.34                             | 37.38   | 34.48          | 37.20                             |
| CH 19575                                  | 38.30   | 35.37          | 38.65                             | 38.73   | 36.04          | 39.44                             |
| CH 19925                                  | 38.81   | 37.33          | 34.86                             | 38.90   | 37.55          | 37.73                             |
| 頻道頻寬: 10MHz, 相鄰頻道偏移: $\pm 10\text{MHz}$   |         |                |                                   |         |                |                                   |
| CH 19250                                  | 39.04   | 36.82          | 40.55                             | 38.90   | 37.31          | 40.93                             |
| CH 19575                                  | 39.69   | 36.09          | 41.17                             | 39.81   | 36.95          | 40.86                             |
| CH 19900                                  | 37.57   | 36.71          | 38.43                             | 37.42   | 37.53          | 38.72                             |
| 頻道頻寬: 20MHz, 相鄰頻道偏移: $\pm 20\text{MHz}$   |         |                |                                   |         |                |                                   |
| CH 19300                                  | 39.58   | 39.34          | 41.43                             | 39.21   | 39.44          | 41.27                             |
| CH 19575                                  | 37.23   | 38.51          | 41.43                             | 38.39   | 38.94          | 41.31                             |
| CH 19850                                  | 37.94   | 39.69          | 41.29                             | 37.91   | 39.77          | 41.14                             |

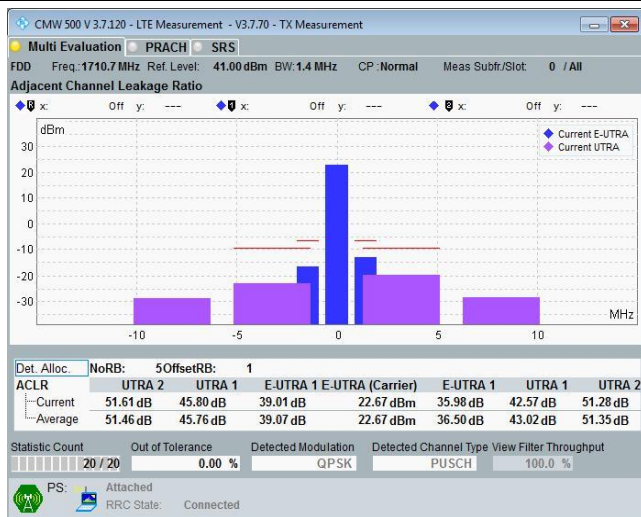
### QPSK 1.4M\_CH19207 (6#0)



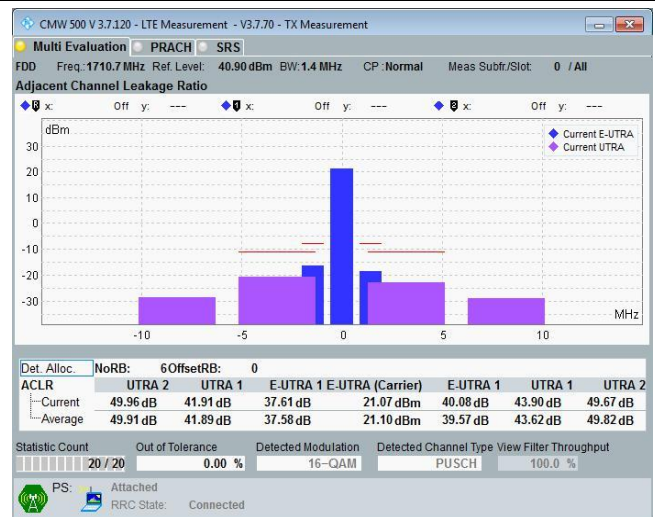
### QPSK 1.4M\_CH19207 (5#0)



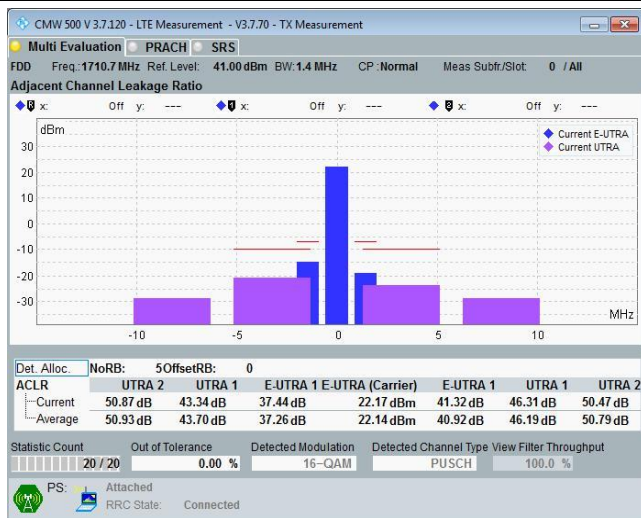
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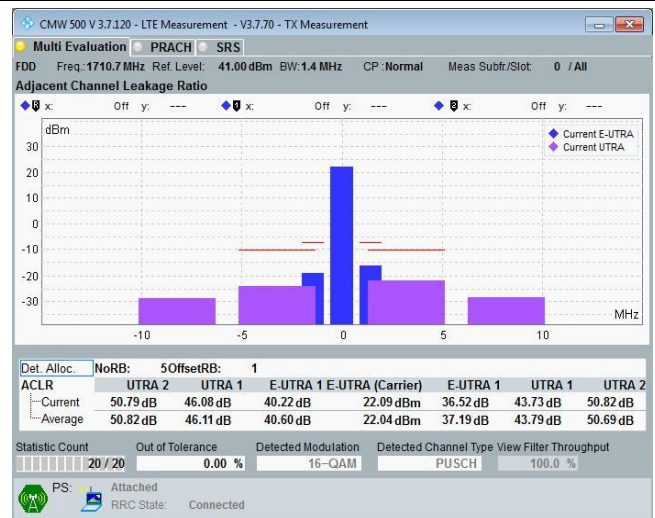
### 16QAM 1.4M\_CH19207 (6#0)



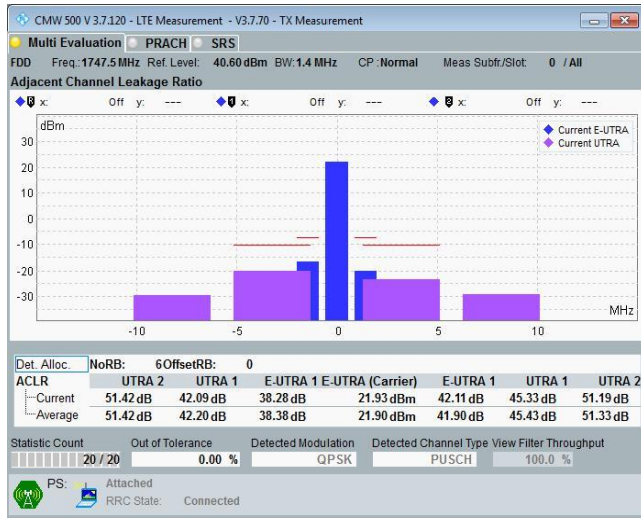
### 16QAM 1.4M\_CH19207 (5#0)



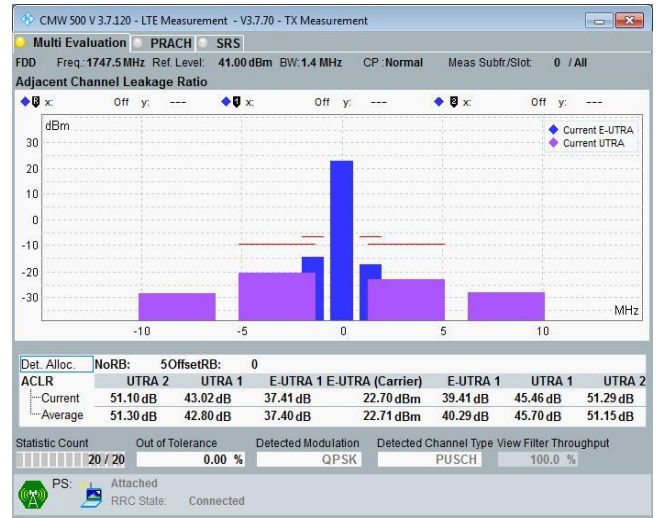
### 16QAM 1.4M\_CH19207 (5#1)



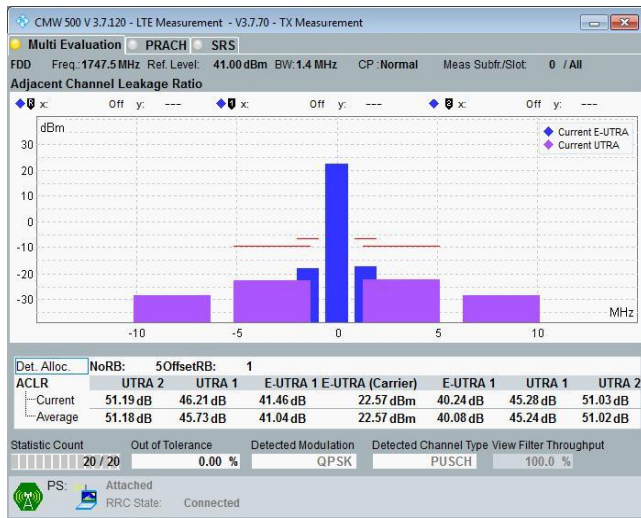
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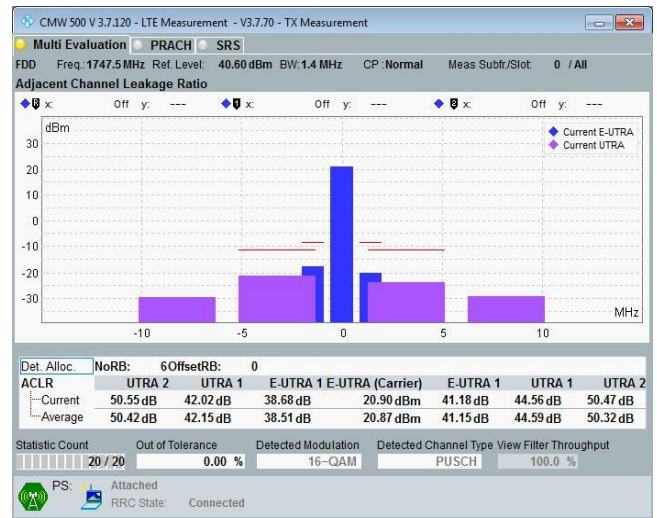
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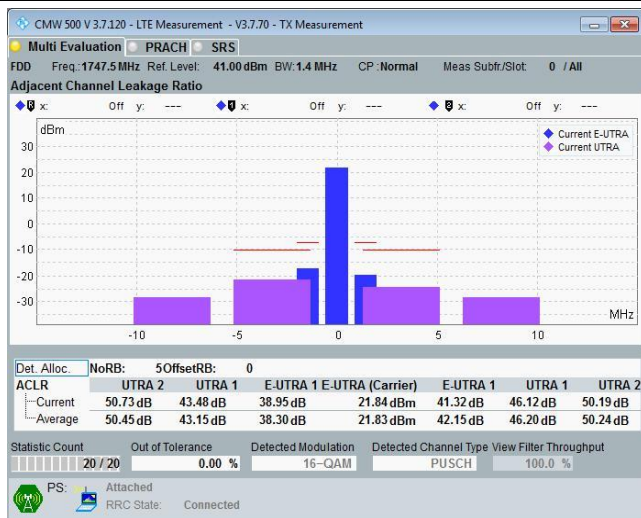
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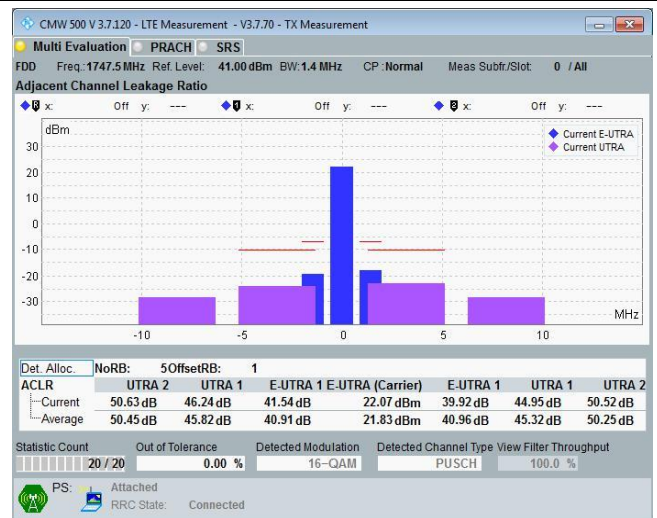
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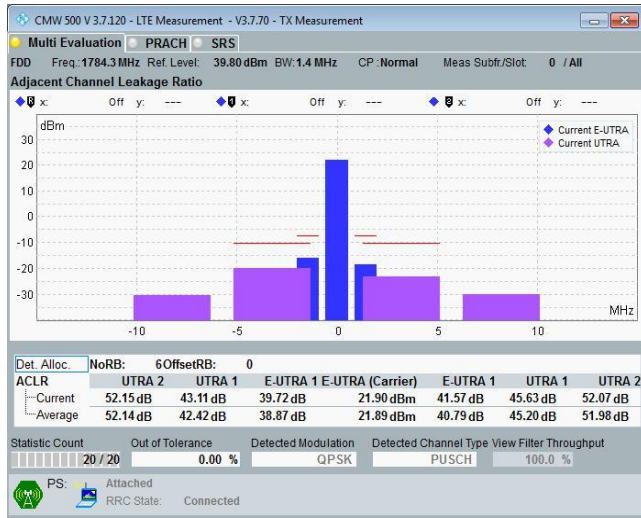
### 16QAM 1.4M\_CH19575 (5#0)



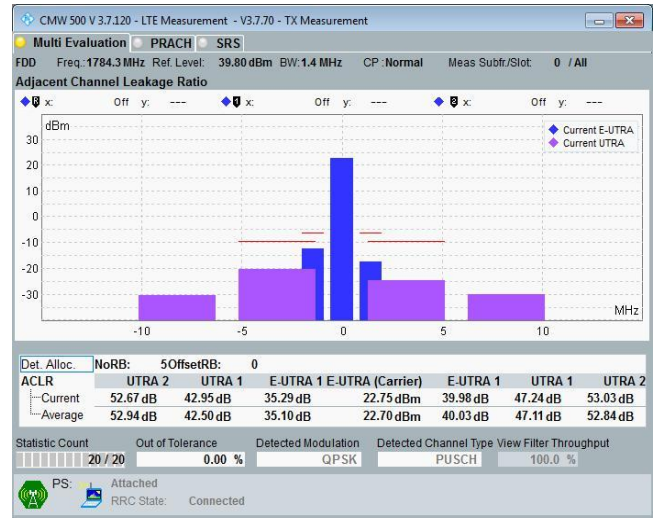
### 16QAM 1.4M\_CH19575 (5#1)



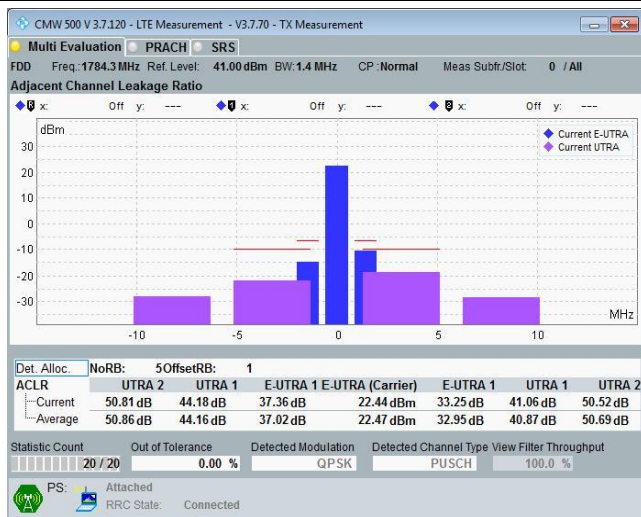
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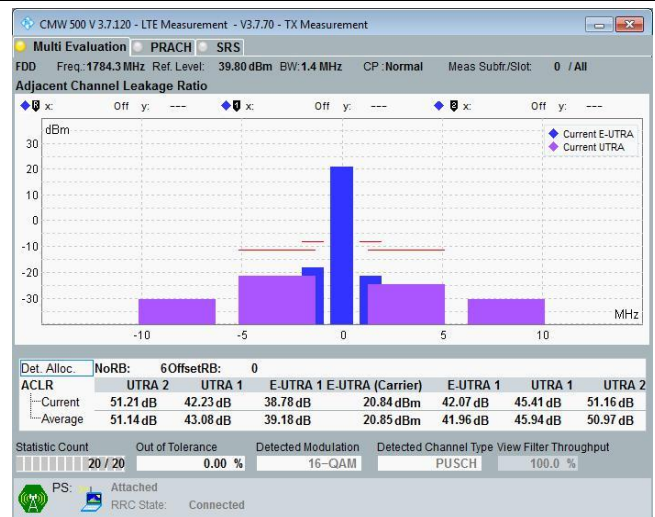
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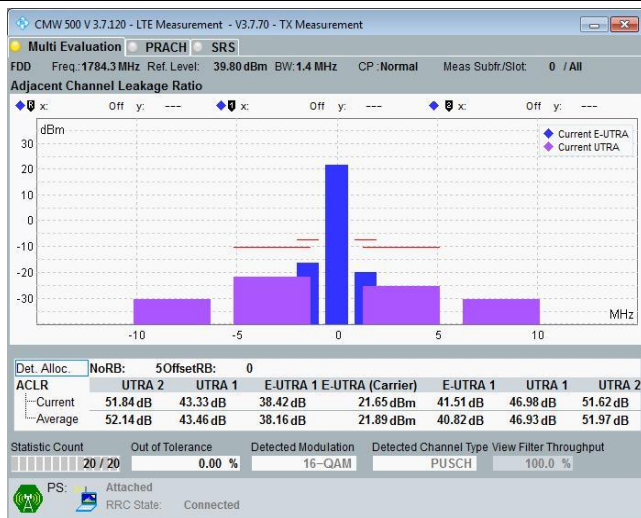
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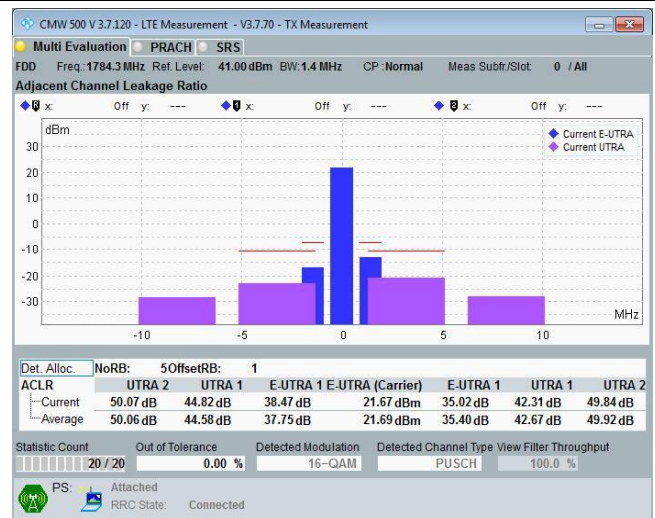
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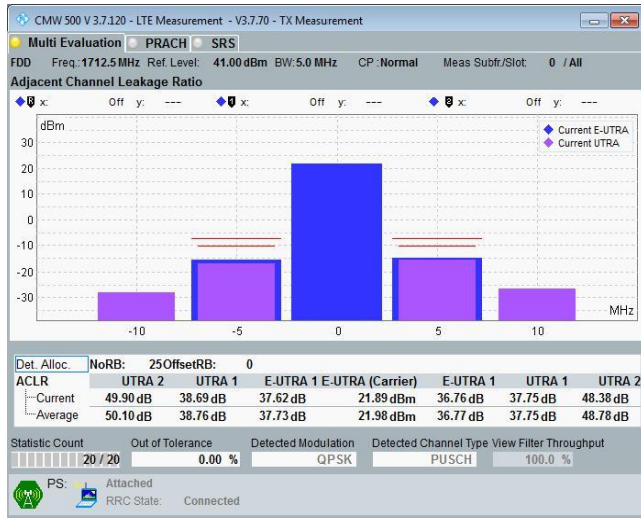
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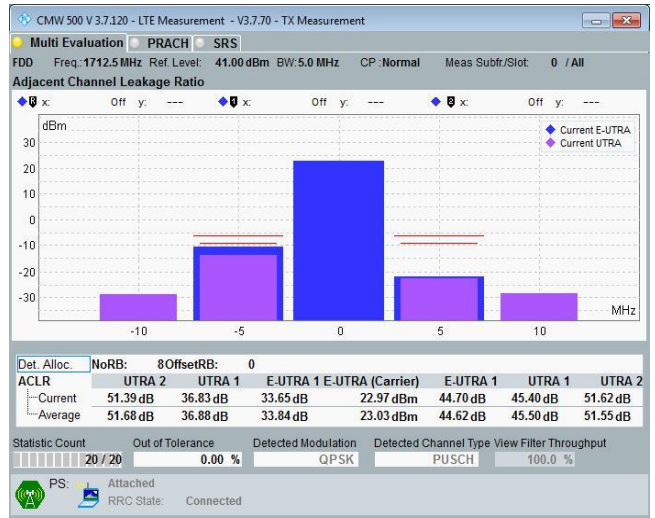
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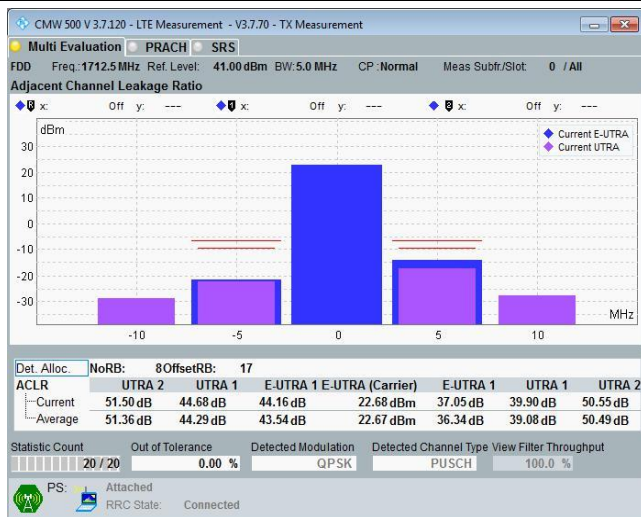
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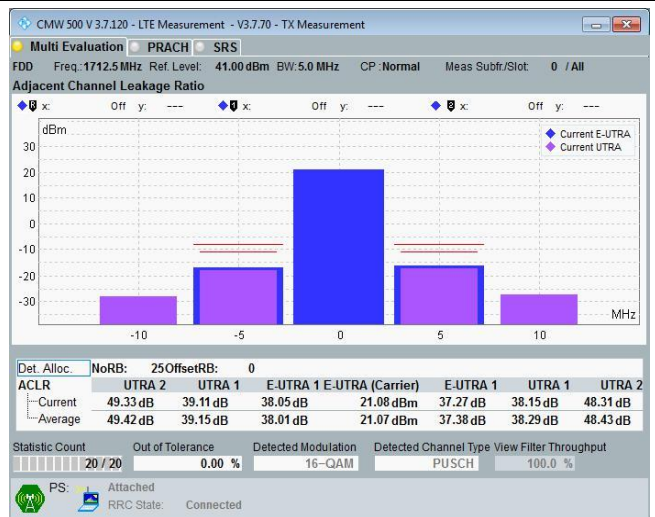
### QPSK 5M\_CH19225 (8#0)



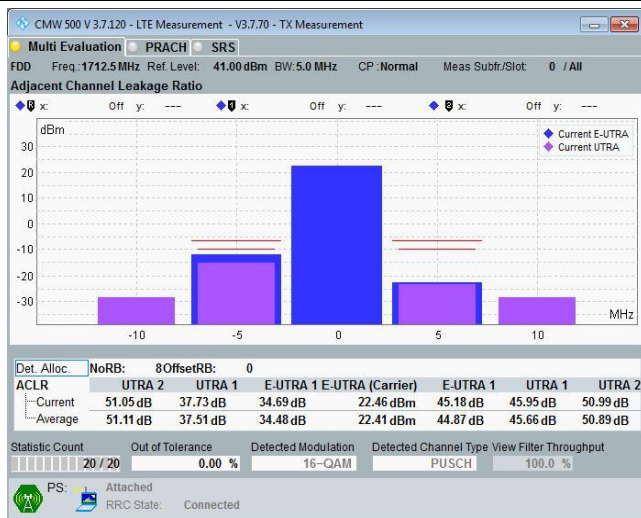
### QPSK 5M\_CH19225 (8#17)



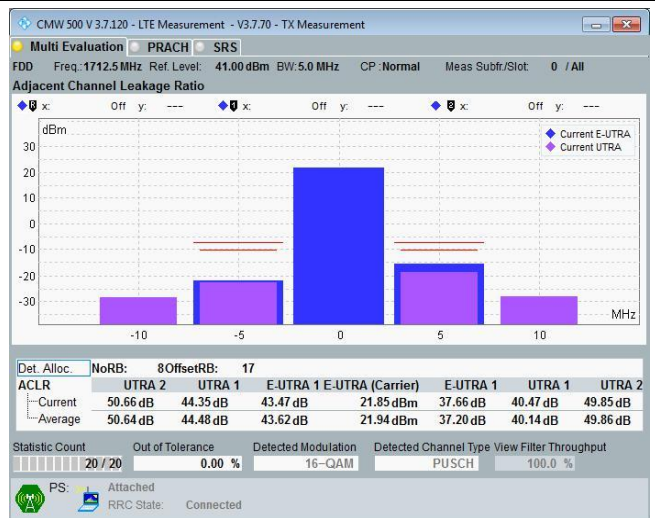
### 16QAM 5M\_CH19225 (25#0)



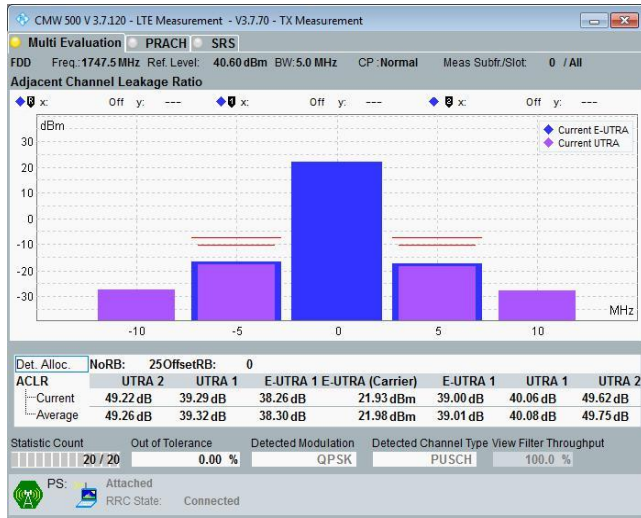
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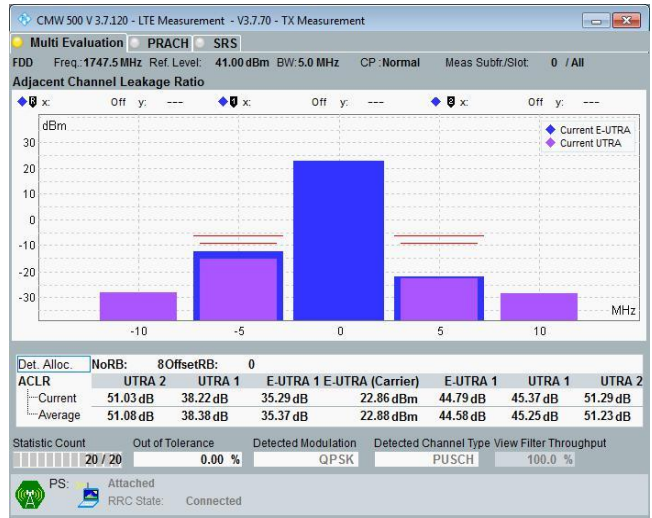
### 16QAM 5M\_CH19225 (8#17)



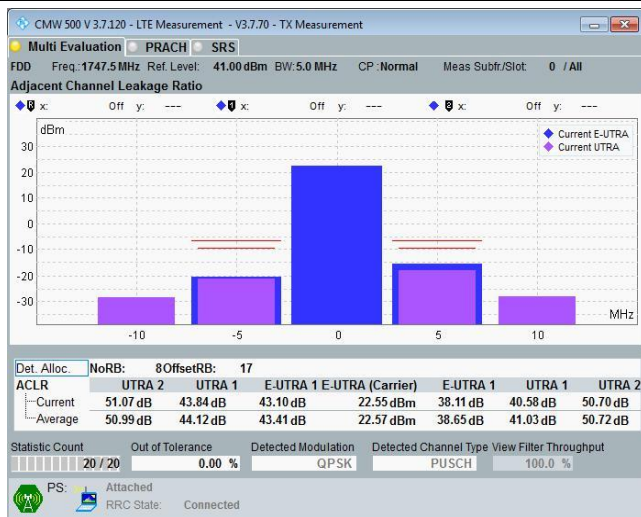
### QPSK 5M\_CH19575 (25#0)



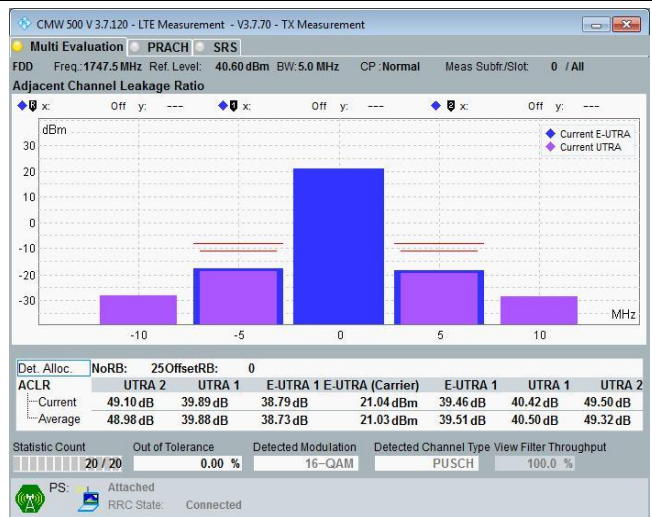
### QPSK 5M\_CH19575 (8#0)



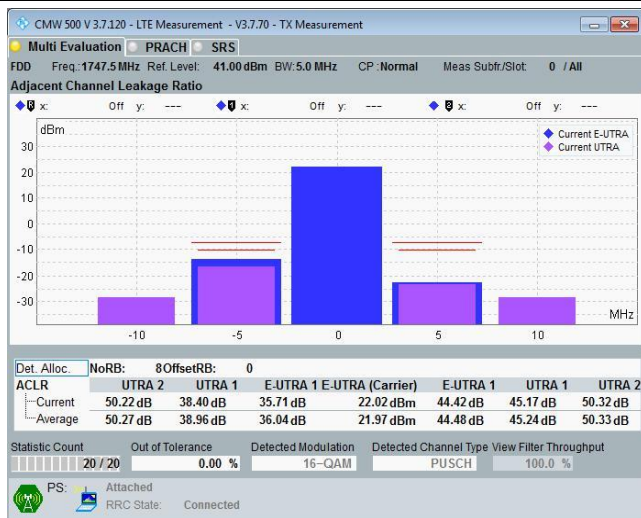
### QPSK 5M\_CH19575 (8#17)



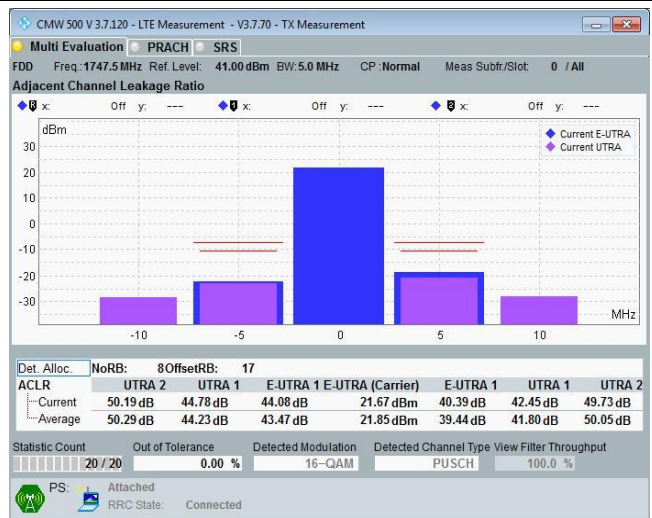
### 16QAM 5M\_CH19575 (25#0)



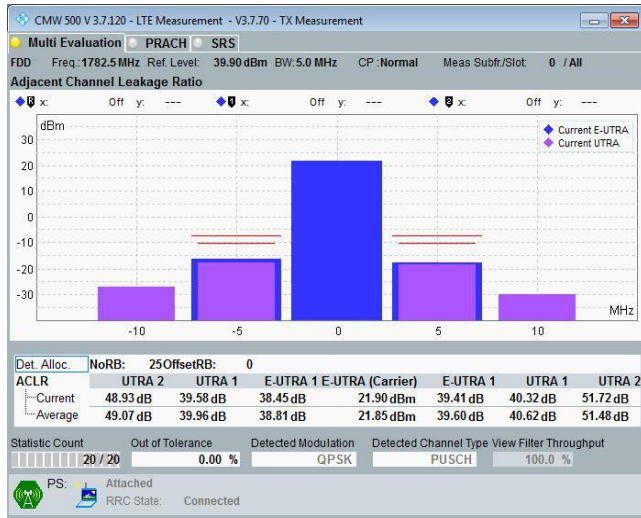
### 16QAM 5M\_CH19575 (8#0)



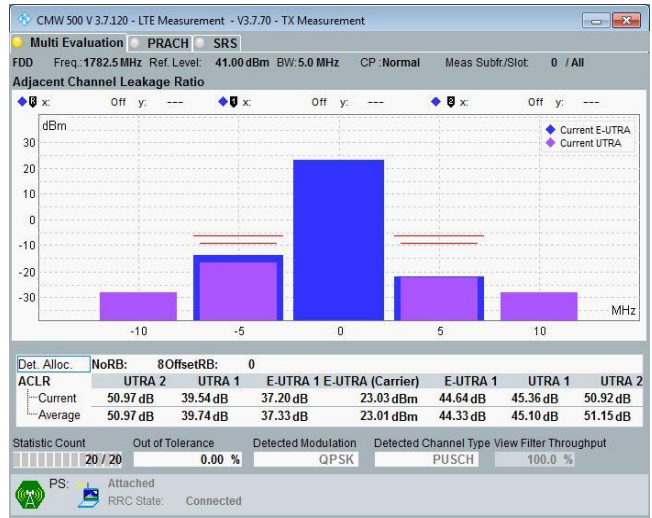
### 16QAM 5M\_CH19575 (8#17)



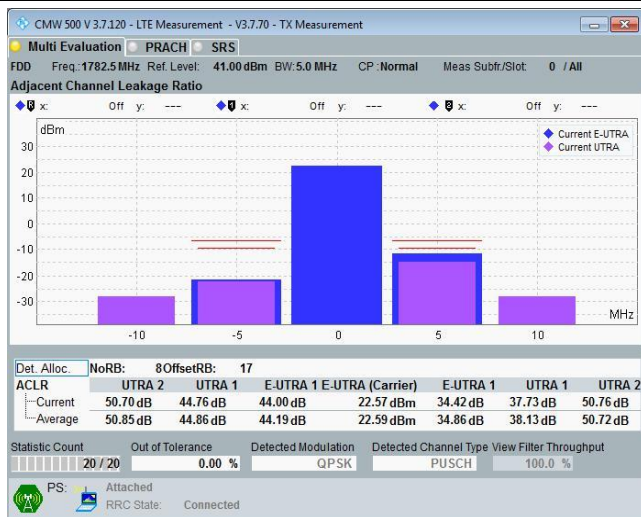
### QPSK 5M\_CH19925 (25#0)



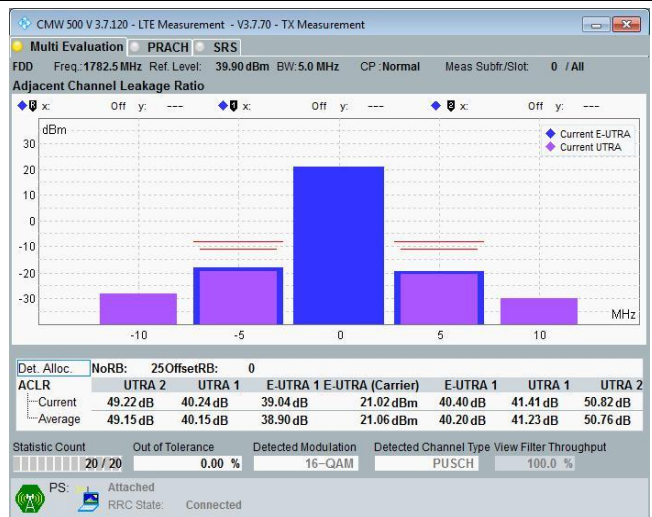
### QPSK 5M\_CH19925 (8#0)



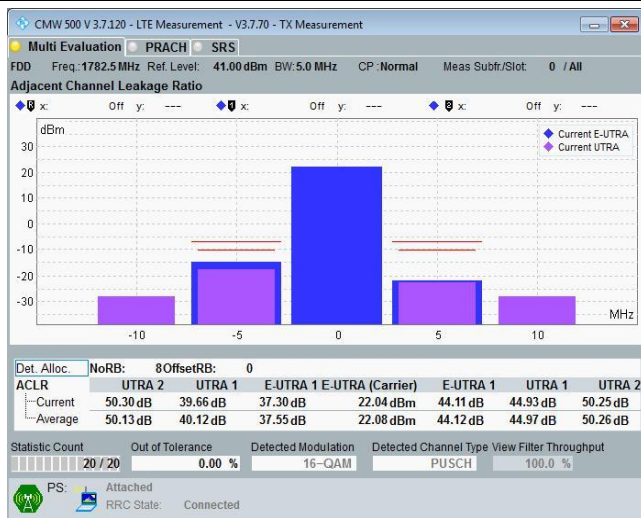
### QPSK 5M\_CH19925 (8#17)



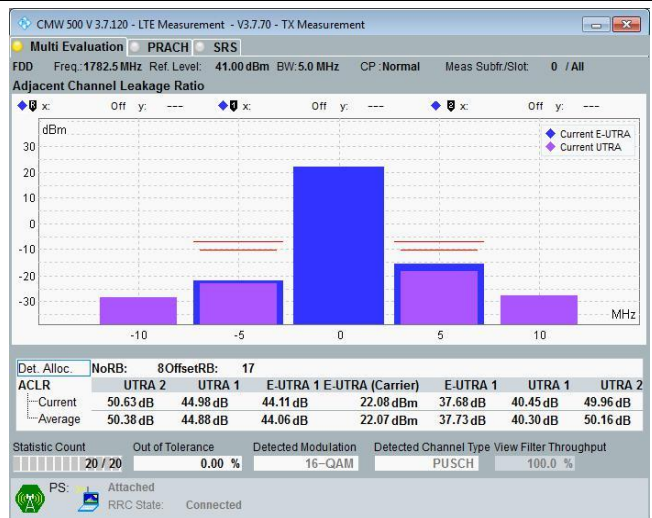
### 16QAM 5M\_CH19925 (25#0)



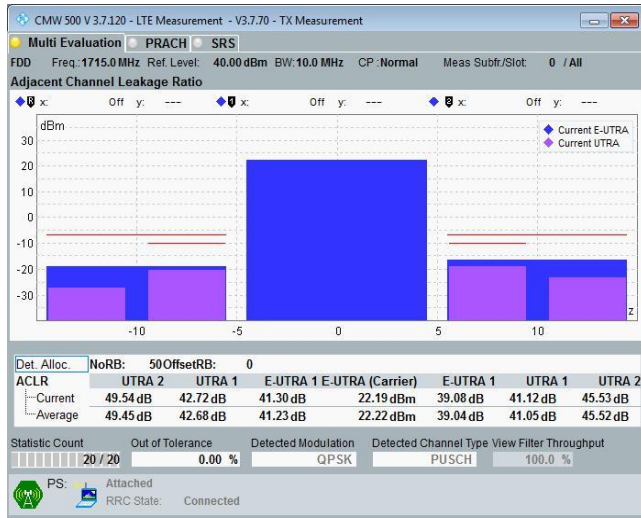
### 16QAM 5M\_CH19925 (8#0)



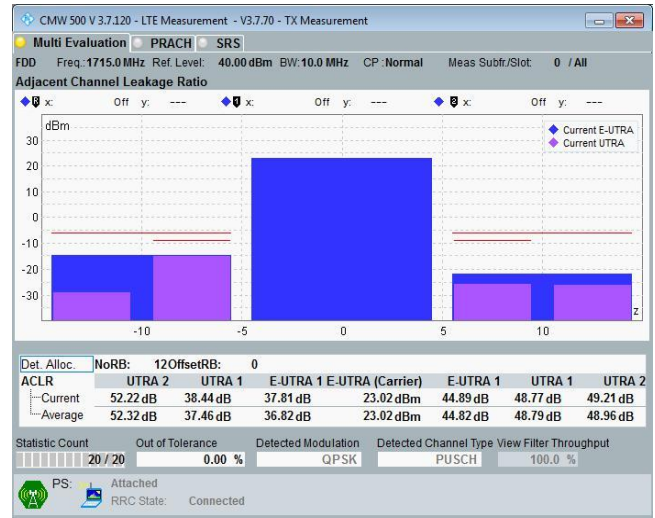
### 16QAM 5M\_CH19925 (8#17)



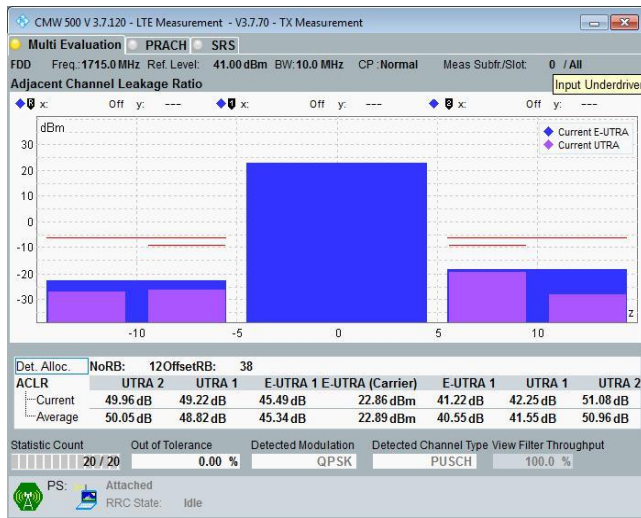
### QPSK 10M\_CH19250 (50#0)



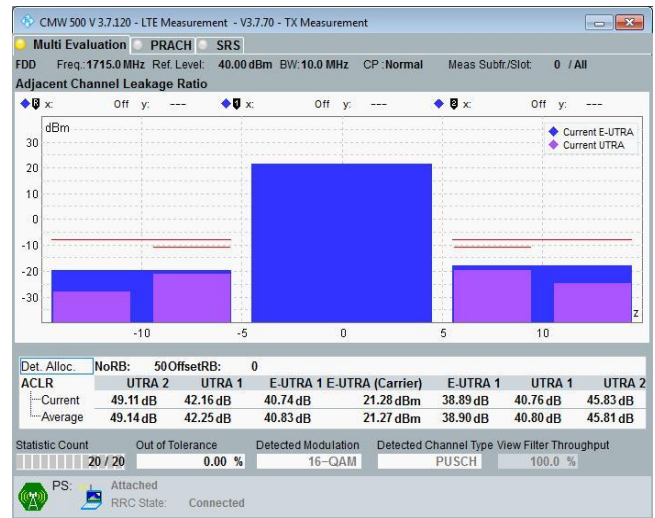
### QPSK 10M\_CH19250 (12#0)



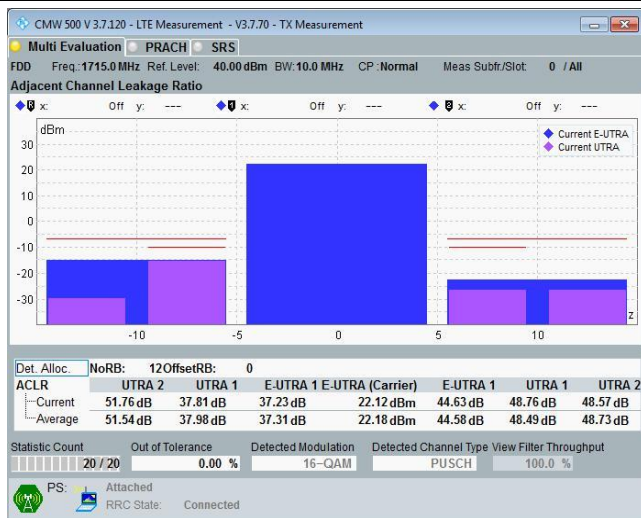
### QPSK 10M\_CH19250 (12#38)



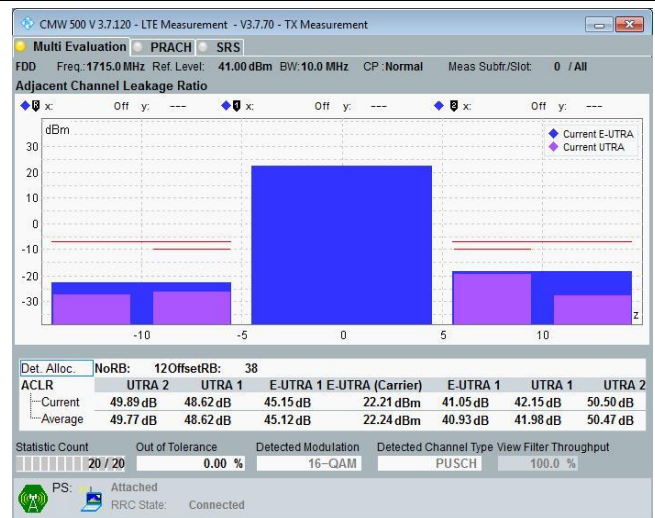
### 16QAM 10M\_CH19250 (50#0)



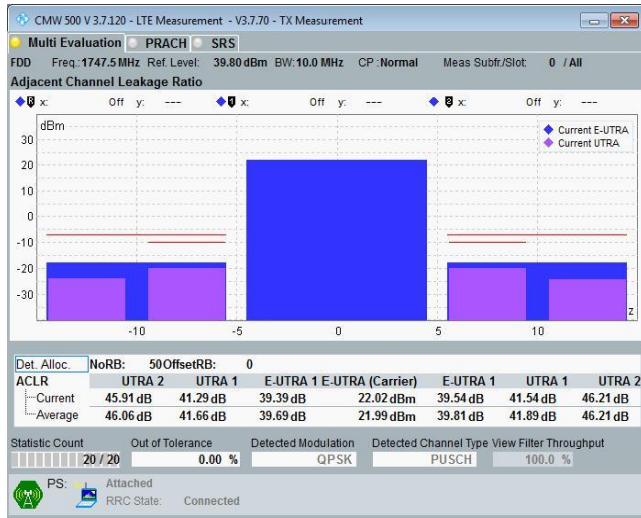
### 16QAM 10M\_CH19250 (12#0)



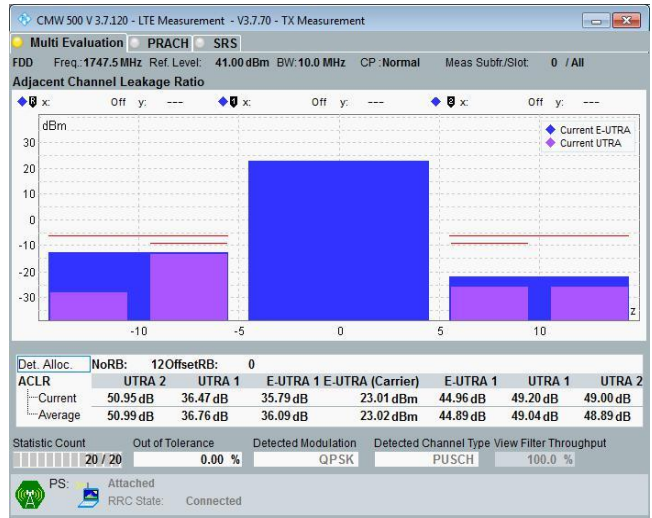
### 16QAM 10M\_CH19250 (12#38)



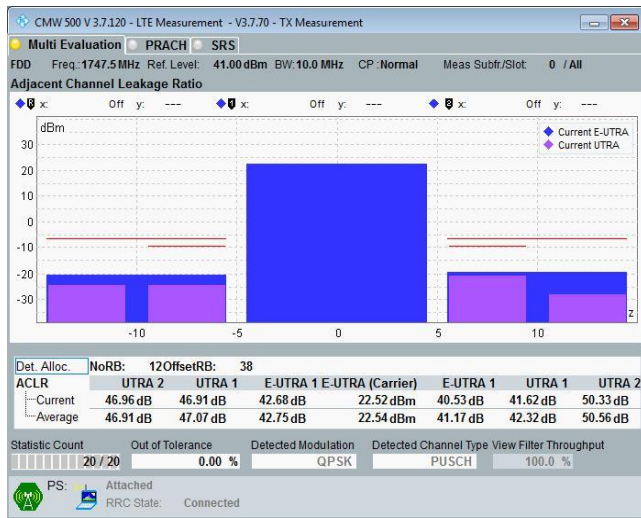
### QPSK 10M\_CH19575 (50#0)



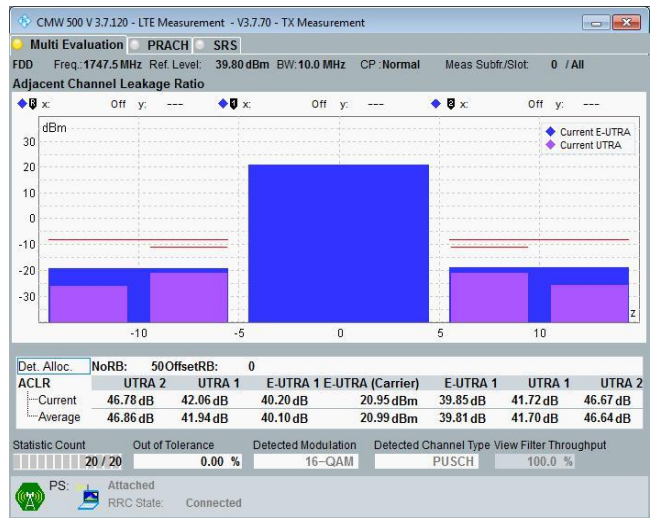
### QPSK 10M\_CH19575 (12#0)



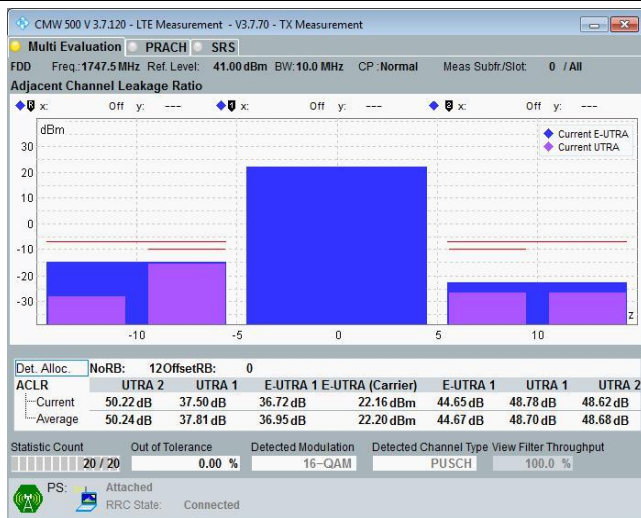
### QPSK 10M\_CH19575 (12#38)



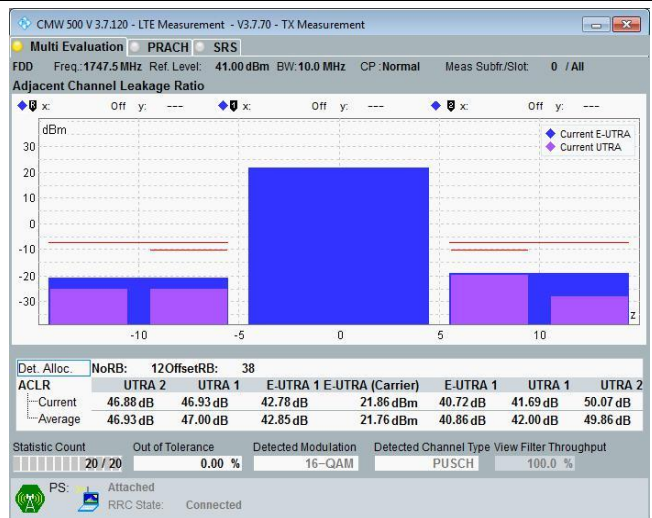
### 16QAM 10M\_CH19575 (50#0)



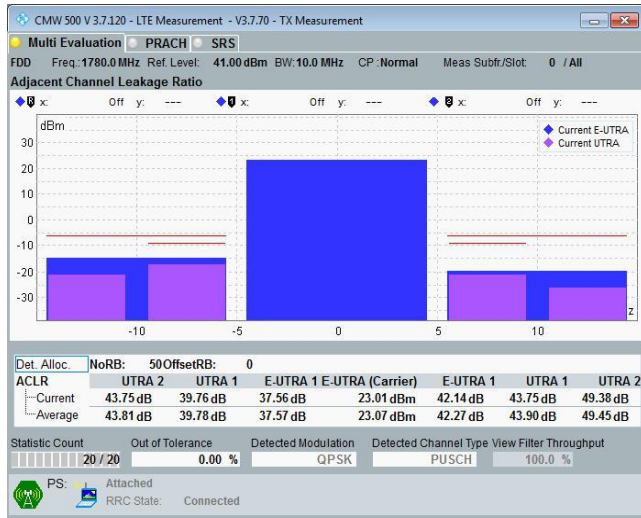
### 16QAM 10M\_CH19575 (12#0)



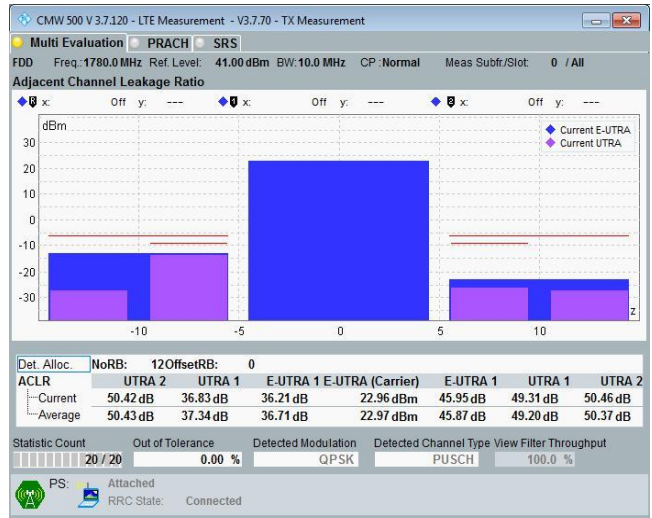
### 16QAM 10M\_CH19575 (12#38)



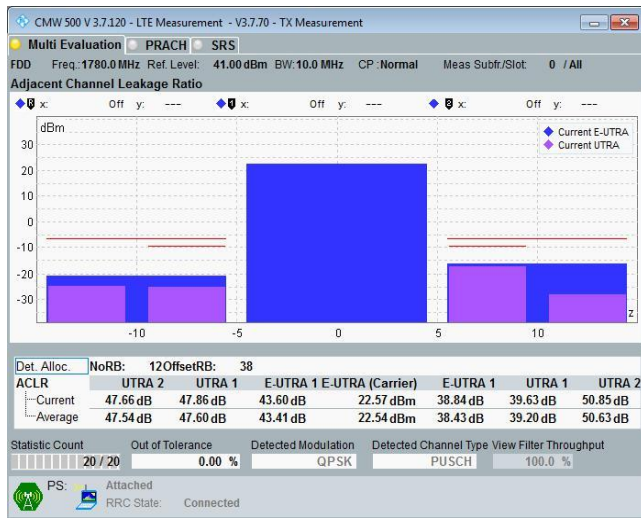
### QPSK 10M\_CH19900 (50#0)



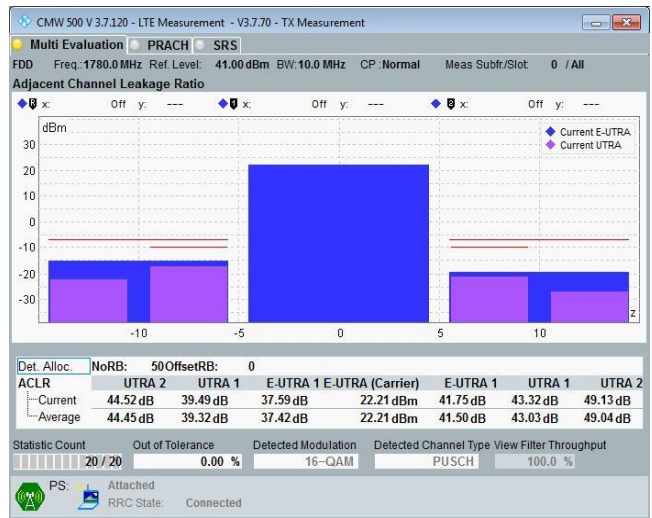
### QPSK 10M\_CH19900 (12#0)



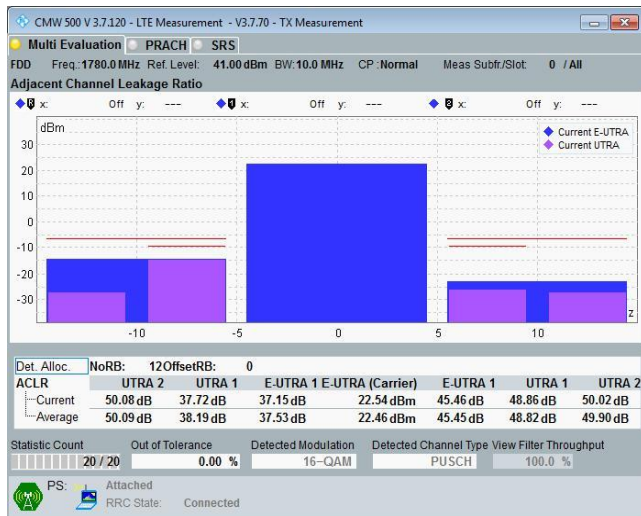
### QPSK 10M\_CH19900 (12#38)



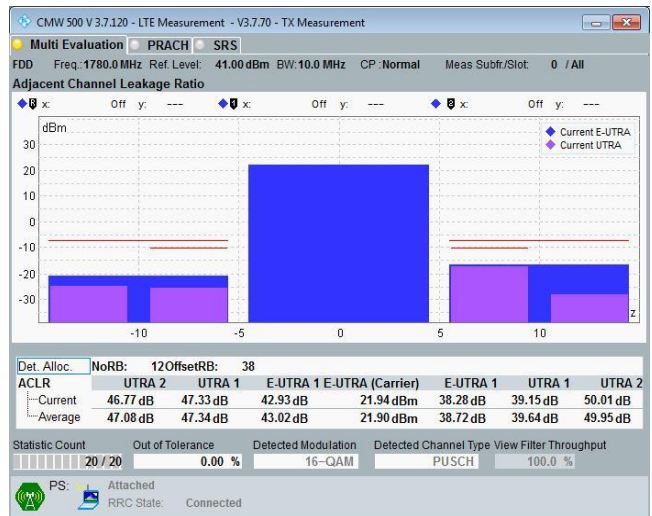
### 16QAM 10M\_CH19900 (50#0)



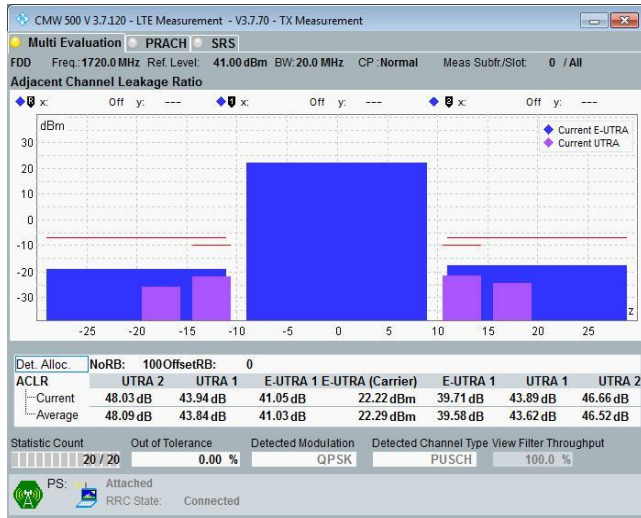
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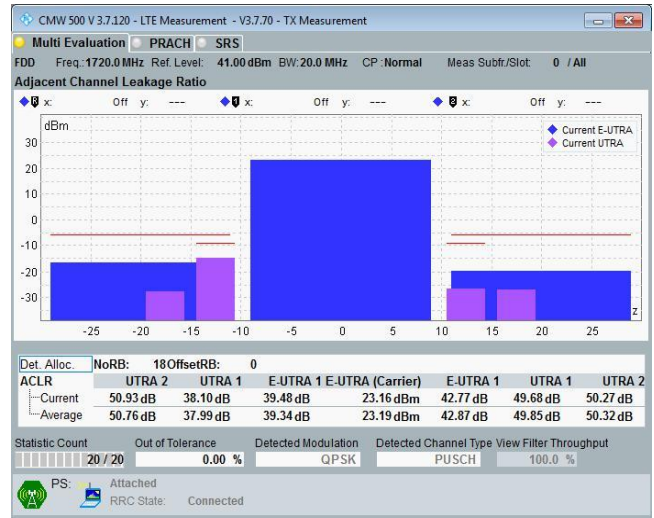
### 16QAM 10M\_CH19900 (12#38)



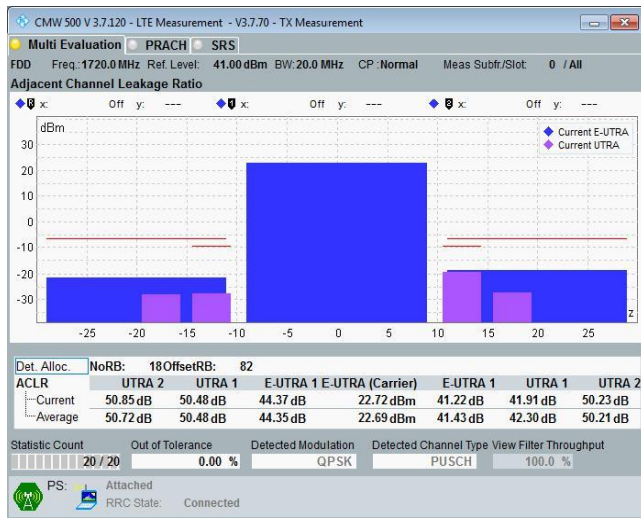
### QPSK 20M\_CH19300 (100#0)



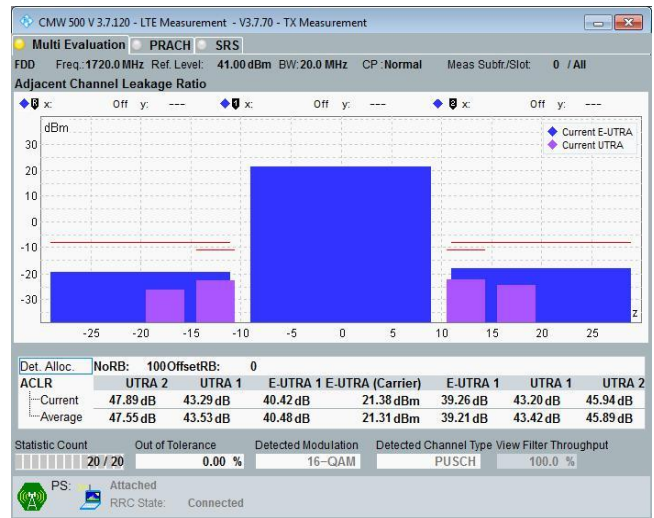
### QPSK 20M\_CH19300 (18#0)



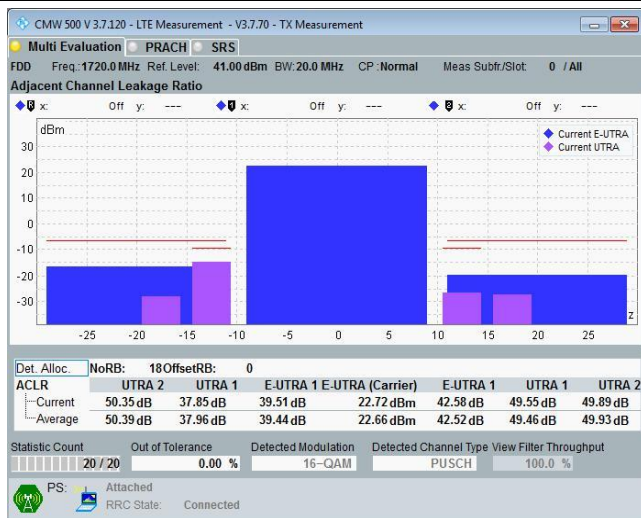
### QPSK 20M\_CH19300 (18#82)



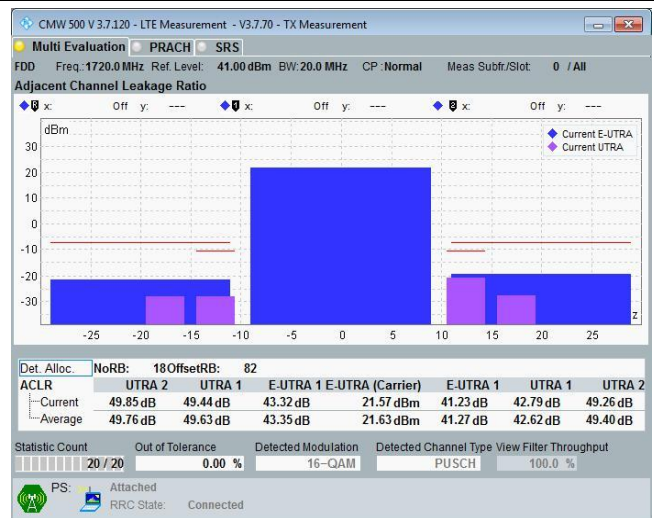
### 16QAM 20M\_CH19300 (100#0)



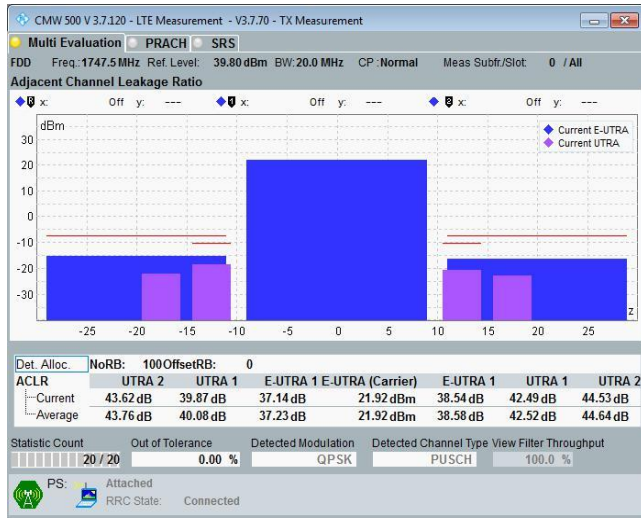
### 16QAM 20M\_CH19300 (18#0)



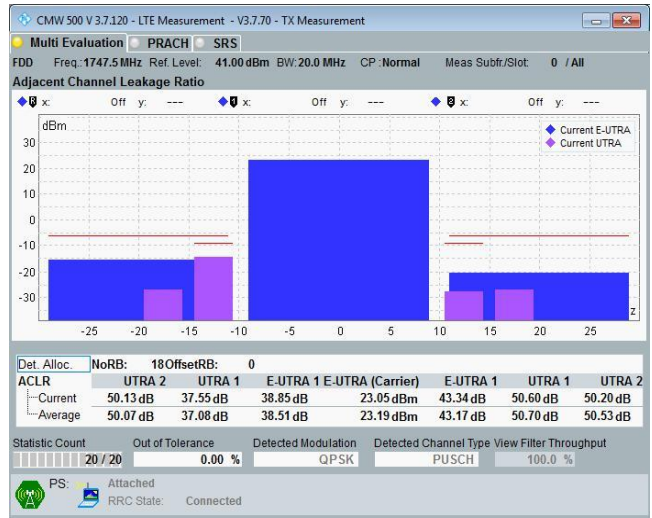
### 16QAM 20M\_CH19300 (18#82)



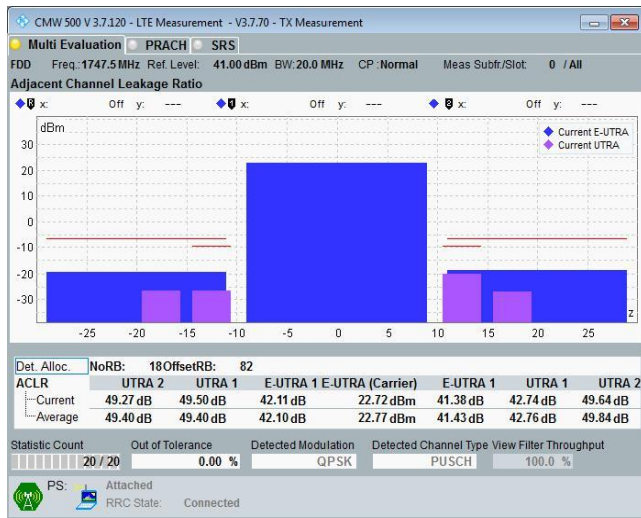
### QPSK 20M\_CH19575 (100#0)



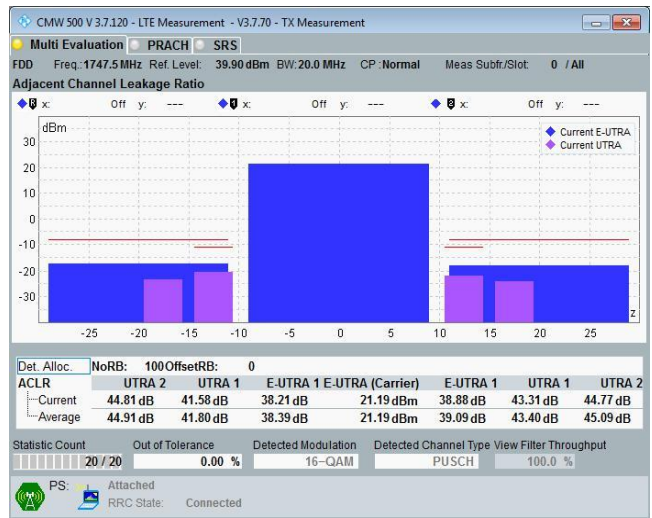
### QPSK 20M\_CH19575 (18#0)



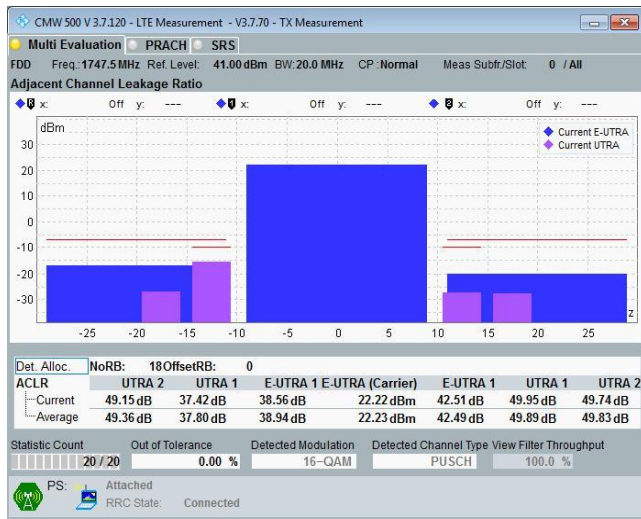
### QPSK 20M\_CH19575 (18#82)



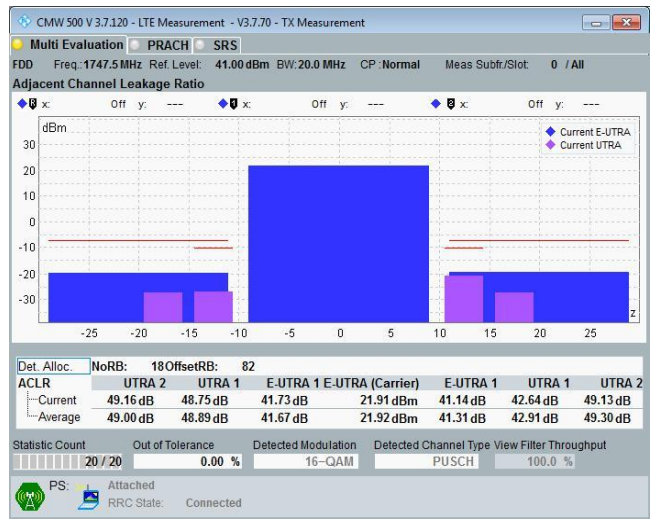
### 16QAM 20M\_CH19575 (100#0)



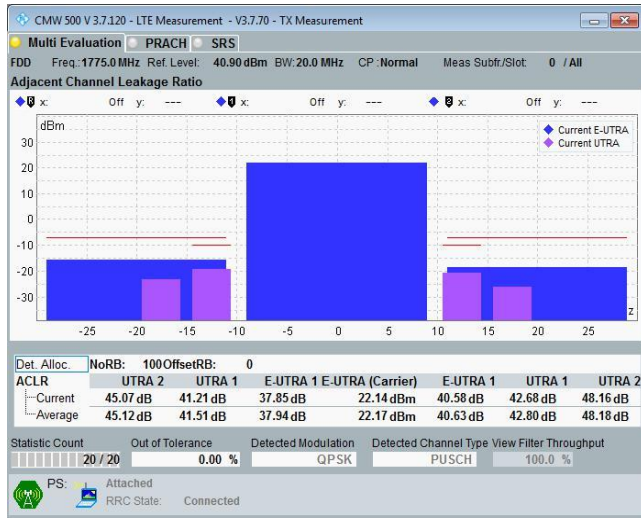
### 16QAM 20M\_CH19575 (18#0)



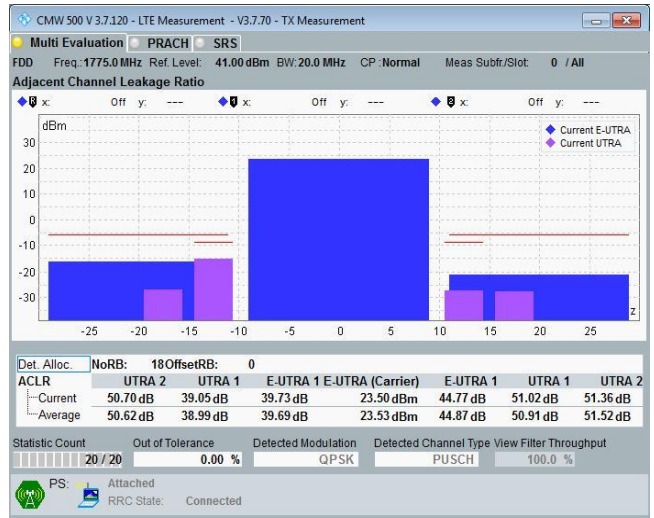
### 16QAM 20M\_CH19575 (18#82)



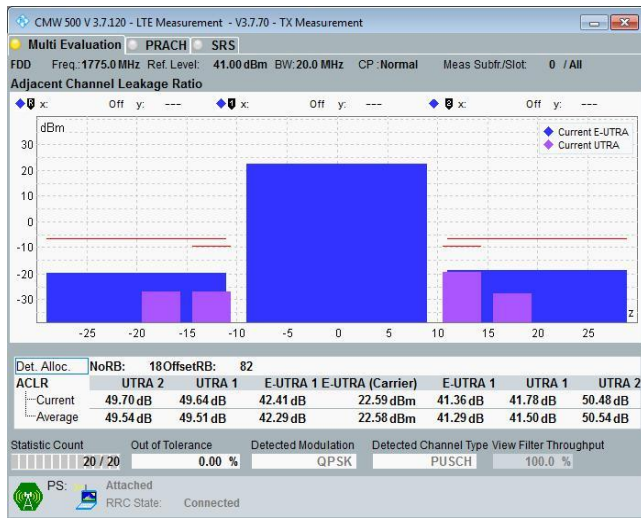
### QPSK 20M\_CH19850 (100#0)



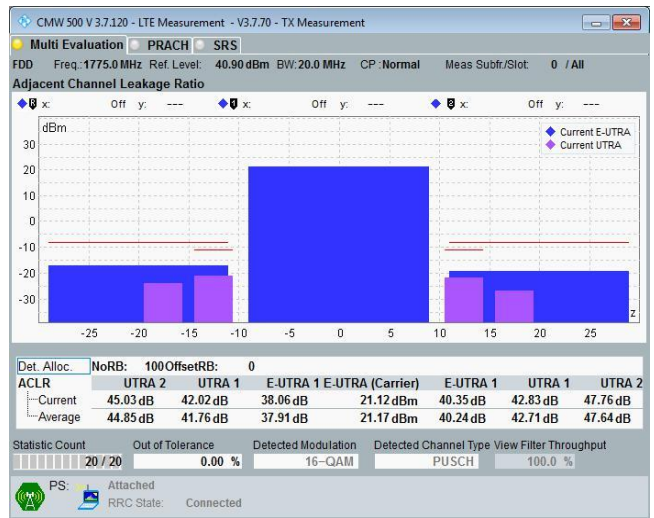
### QPSK 20M\_CH19850 (18#0)



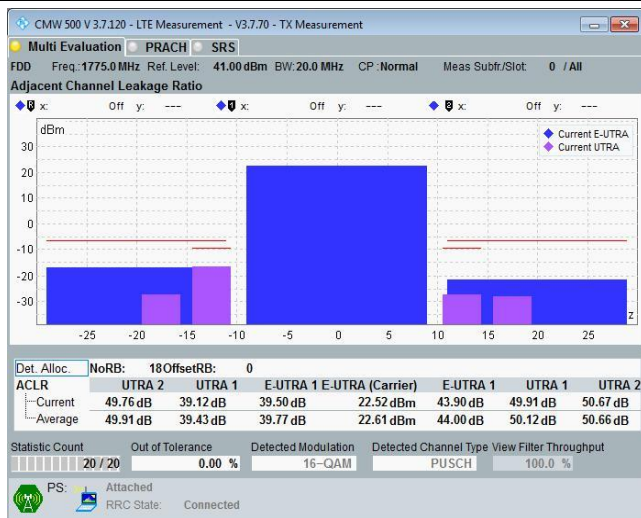
### QPSK 20M\_CH19850 (18#82)



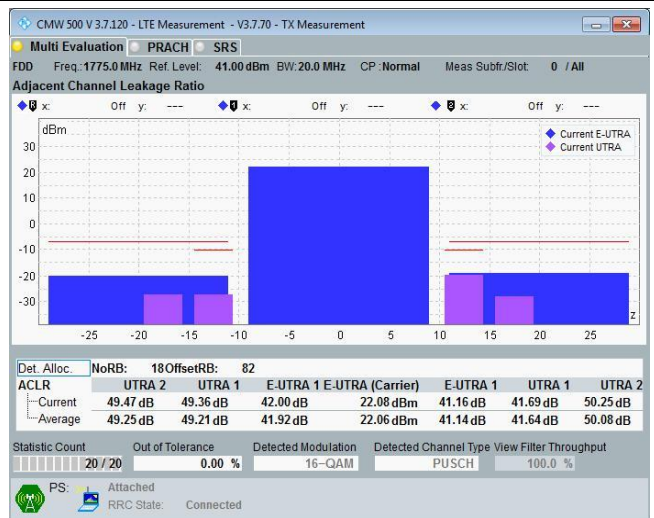
### 16QAM 20M\_CH19850 (100#0)



### 16QAM 20M\_CH19850 (18#0)

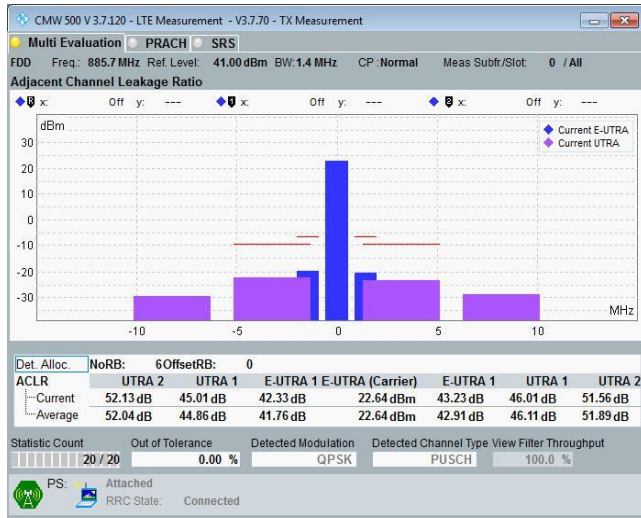


### 16QAM 20M\_CH19850 (18#82)

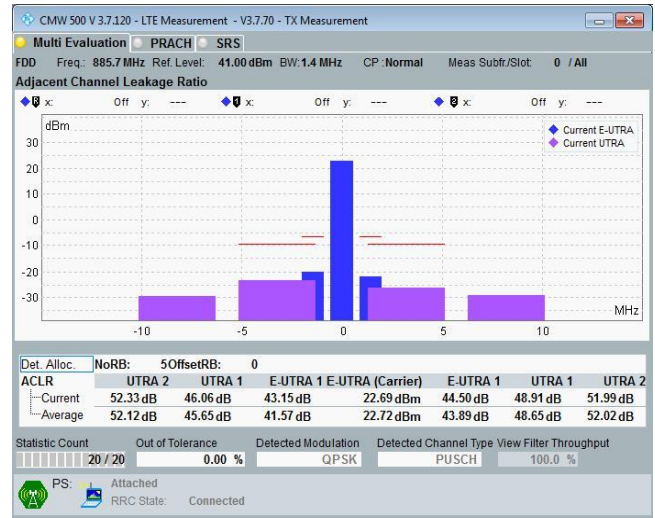


| Band 8 (900MHz)                           |         |                |                                   |         |                |                                   |
|-------------------------------------------|---------|----------------|-----------------------------------|---------|----------------|-----------------------------------|
| Modulation                                | QPSK    |                |                                   | 16QAM   |                |                                   |
| RB allocation                             | Full RB | Partial RB(#0) | Partial RB (#Max+1-RB allocation) | Full RB | Partial RB(#0) | Partial RB (#Max+1-RB allocation) |
| 頻道頻寬: 1.4MHz, 相鄰頻道偏移: $\pm 1.4\text{MHz}$ |         |                |                                   |         |                |                                   |
| CH 21507                                  | 41.76   | 41.57          | 42.79                             | 42.22   | 41.23          | 42.53                             |
| CH 21650                                  | 40.55   | 40.88          | 42.63                             | 41.14   | 41.96          | 42.56                             |
| CH 21793                                  | 40.90   | 39.34          | 39.14                             | 40.69   | 40.93          | 39.78                             |
| 頻道頻寬: 5MHz, 相鄰頻道偏移: $\pm 5\text{MHz}$     |         |                |                                   |         |                |                                   |
| CH 21525                                  | 41.71   | 41.73          | 38.97                             | 40.98   | 41.30          | 39.64                             |
| CH 21650                                  | 42.73   | 40.38          | 40.59                             | 42.51   | 40.39          | 41.40                             |
| CH 21775                                  | 40.79   | 40.04          | 36.51                             | 40.12   | 39.90          | 38.34                             |
| 頻道頻寬: 10MHz, 相鄰頻道偏移: $\pm 10\text{MHz}$   |         |                |                                   |         |                |                                   |
| CH 21550                                  | 43.19   | 43.53          | 45.00                             | 42.59   | 43.75          | 44.01                             |
| CH 21650                                  | 42.86   | 42.67          | 42.39                             | 42.43   | 42.90          | 42.28                             |
| CH 21750                                  | 43.30   | 42.29          | 42.00                             | 43.11   | 42.24          | 42.19                             |

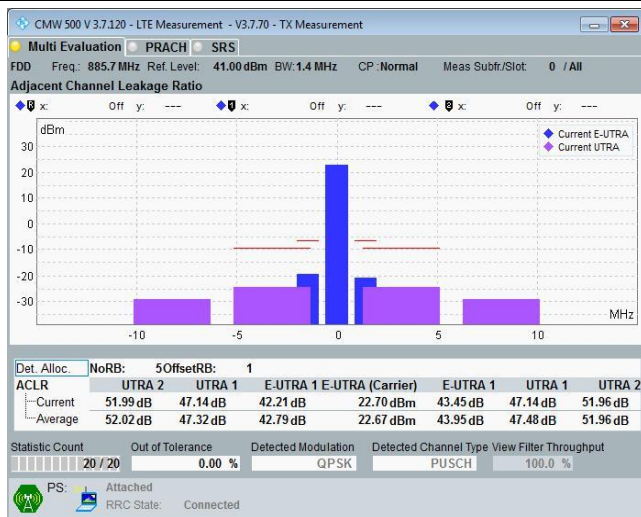
### QPSK 1.4M\_CH21507 (6#0)



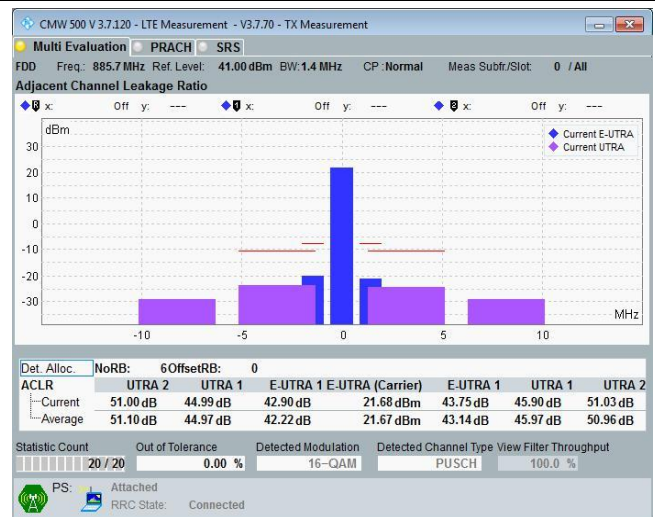
### QPSK 1.4M\_CH21507 (5#0)



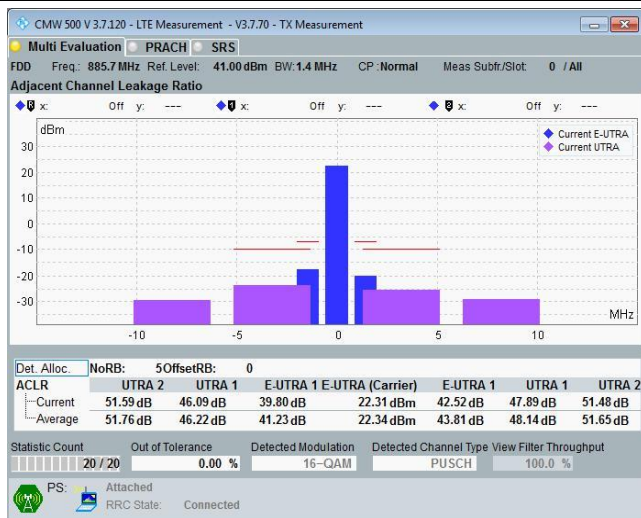
### QPSK 1.4M\_CH21507 (5#1)



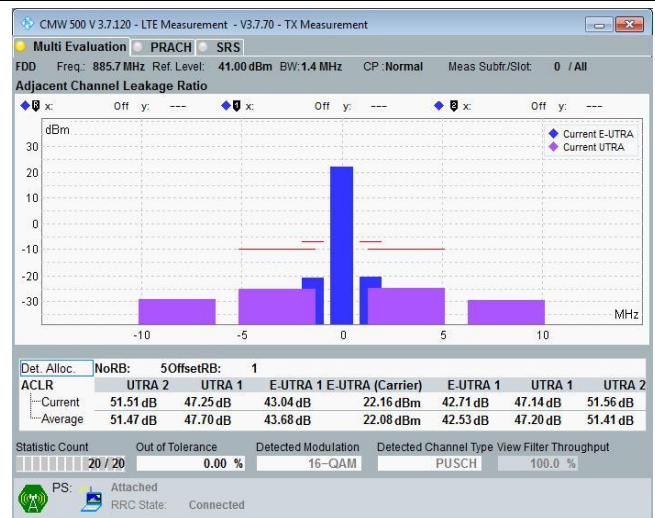
### 16QAM 1.4M\_CH21507 (6#0)



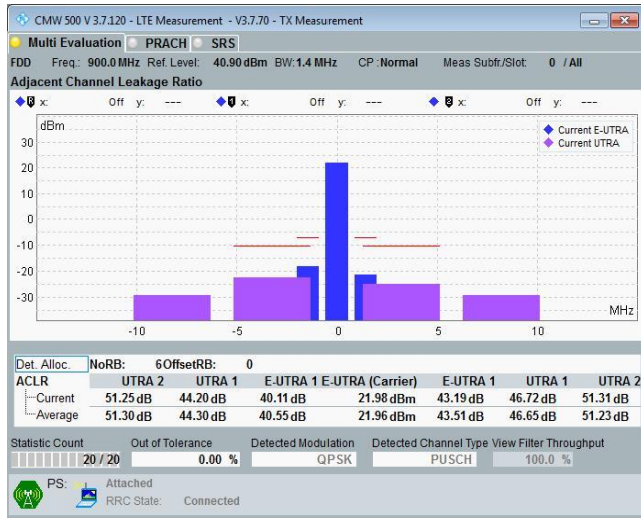
### 16QAM 1.4M\_CH21507 (5#0)



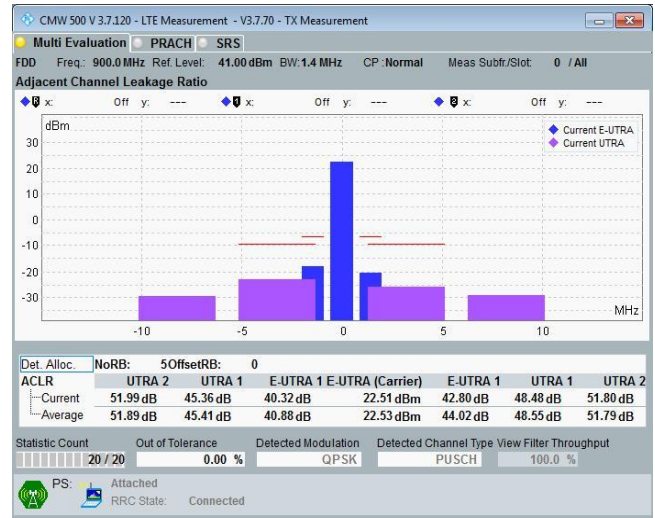
### 16QAM 1.4M\_CH21507 (5#1)



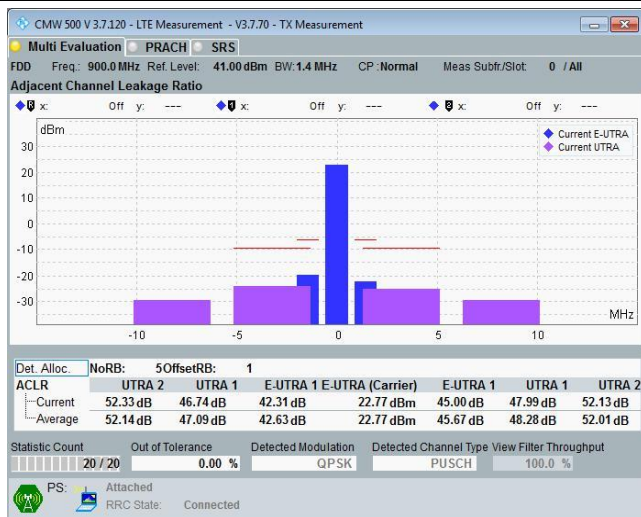
### QPSK 1.4M\_CH21650 (6#0)



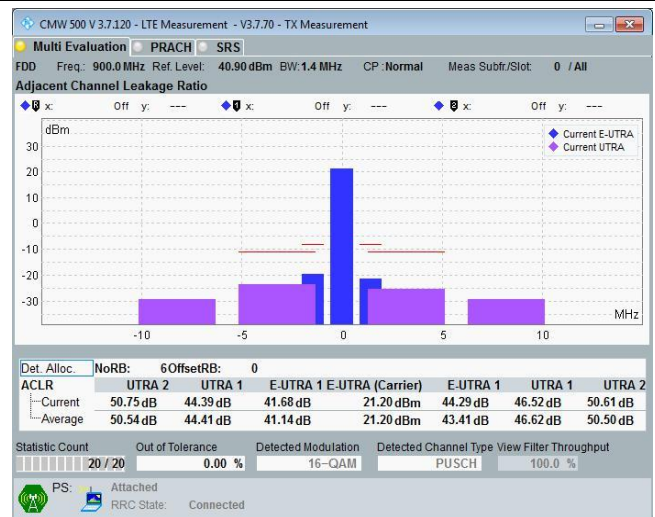
### QPSK 1.4M\_CH21650 (5#0)



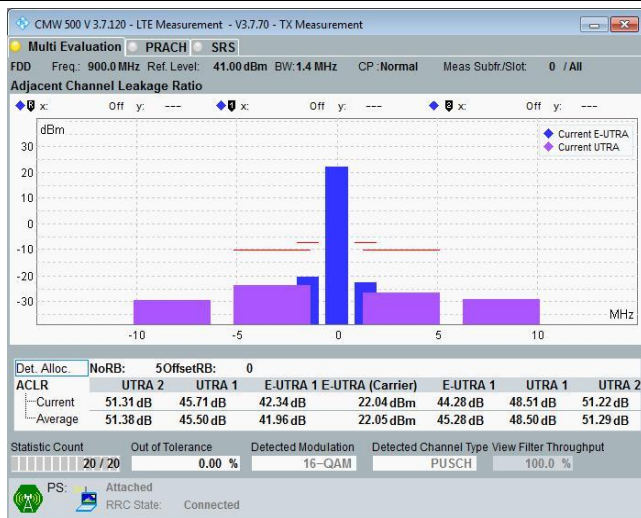
### QPSK 1.4M\_CH21650 (5#1)



### 16QAM 1.4M\_CH21650 (6#0)



### 16QAM 1.4M\_CH21650 (5#0)



### 16QAM 1.4M\_CH21650 (5#1)

