

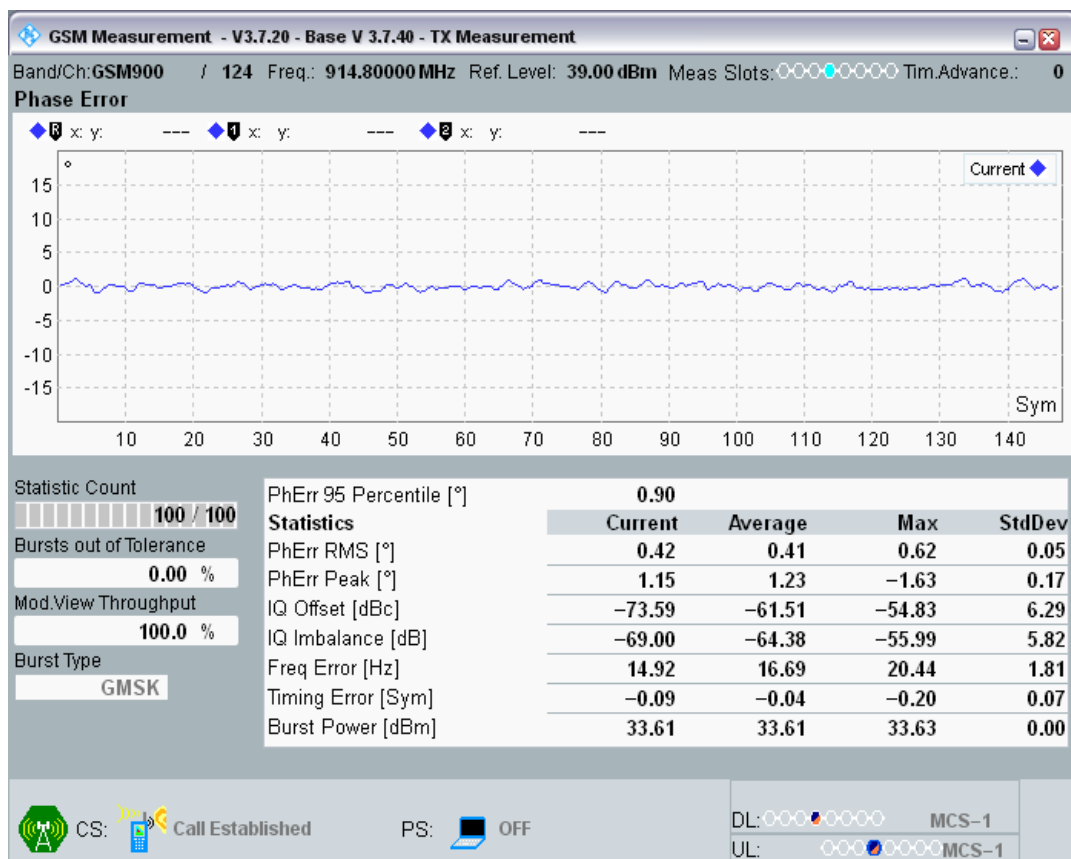
Test Condition: Vibration, Test Mode: GSM, GPRS, Test Band: GSM900, DCS1800

## Test Data

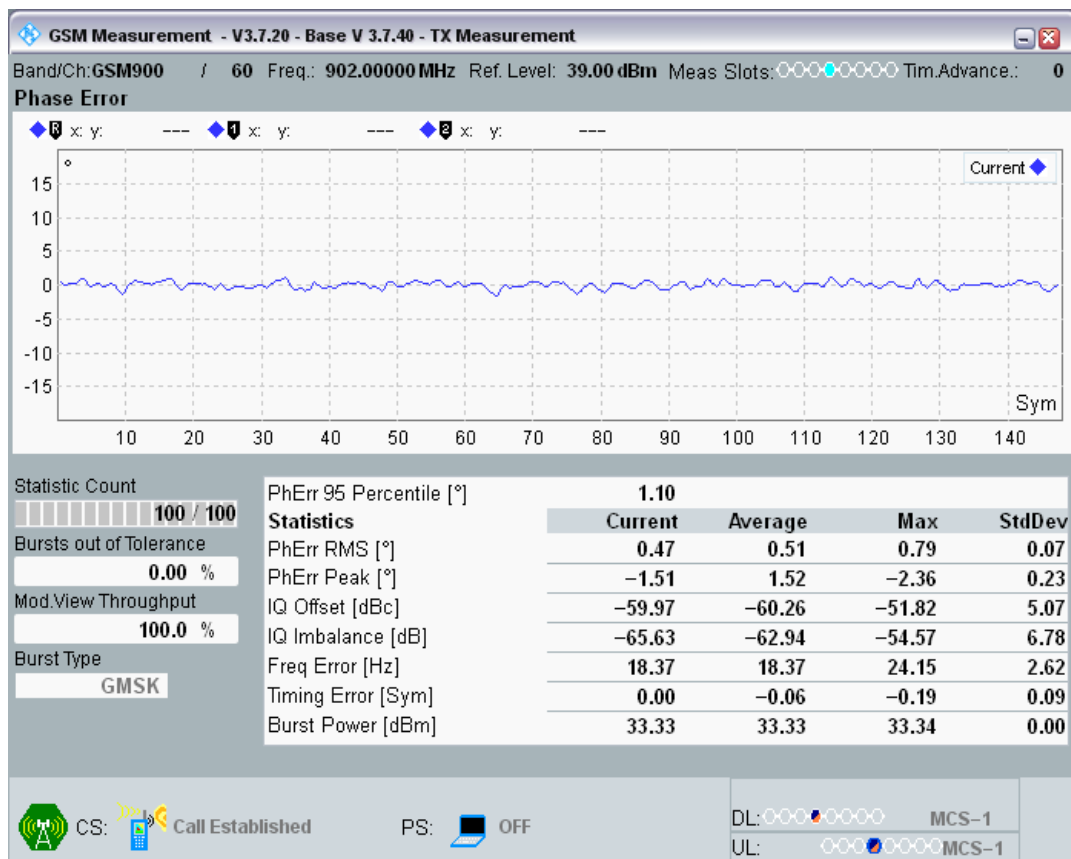
### Clause 4.2.1 Transmitter-Frequency error and phase error

| Band    | Channel | Frequency (MHz) | PCL | Type                      | Result | Low Limit | high Limit | Verdict |
|---------|---------|-----------------|-----|---------------------------|--------|-----------|------------|---------|
| GSM900  | 975     | 880.2           | 5   | Frequency Error (Hz)      | 18.73  | -88.02    | 88.02      | PASS    |
| GSM900  | 975     | 880.2           | 5   | RMS Phase Error (Degree)  | 0.44   | 0         | 5          | PASS    |
| GSM900  | 975     | 880.2           | 5   | Peak Phase Error (Degree) | 1.33   | 0         | 20         | PASS    |
| GSM900  | 60      | 902             | 5   | Frequency Error (Hz)      | 18.37  | -90.2     | 90.2       | PASS    |
| GSM900  | 60      | 902             | 5   | RMS Phase Error (Degree)  | 0.51   | 0         | 5          | PASS    |
| GSM900  | 60      | 902             | 5   | Peak Phase Error (Degree) | 1.52   | 0         | 20         | PASS    |
| GSM900  | 124     | 914.8           | 5   | Frequency Error (Hz)      | 16.69  | -91.48    | 91.48      | PASS    |
| GSM900  | 124     | 914.8           | 5   | RMS Phase Error (Degree)  | 0.41   | 0         | 5          | PASS    |
| GSM900  | 124     | 914.8           | 5   | Peak Phase Error (Degree) | 1.23   | 0         | 20         | PASS    |
| DCS1800 | 512     | 1710.2          | 0   | Frequency Error (Hz)      | 23.63  | -171.02   | 171.02     | PASS    |
| DCS1800 | 512     | 1710.2          | 0   | RMS Phase Error (Degree)  | 0.63   | 0         | 5          | PASS    |
| DCS1800 | 512     | 1710.2          | 0   | Peak Phase Error (Degree) | 2.66   | 0         | 20         | PASS    |
| DCS1800 | 700     | 1747.8          | 0   | Frequency Error (Hz)      | 27.48  | -174.78   | 174.78     | PASS    |
| DCS1800 | 700     | 1747.8          | 0   | RMS Phase Error (Degree)  | 0.71   | 0         | 5          | PASS    |
| DCS1800 | 700     | 1747.8          | 0   | Peak Phase Error (Degree) | 2.62   | 0         | 20         | PASS    |
| DCS1800 | 885     | 1784.8          | 0   | Frequency Error (Hz)      | 28.44  | -178.48   | 178.48     | PASS    |
| DCS1800 | 885     | 1784.8          | 0   | RMS Phase Error (Degree)  | 0.68   | 0         | 5          | PASS    |
| DCS1800 | 885     | 1784.8          | 0   | Peak Phase Error (Degree) | 2.53   | 0         | 20         | PASS    |

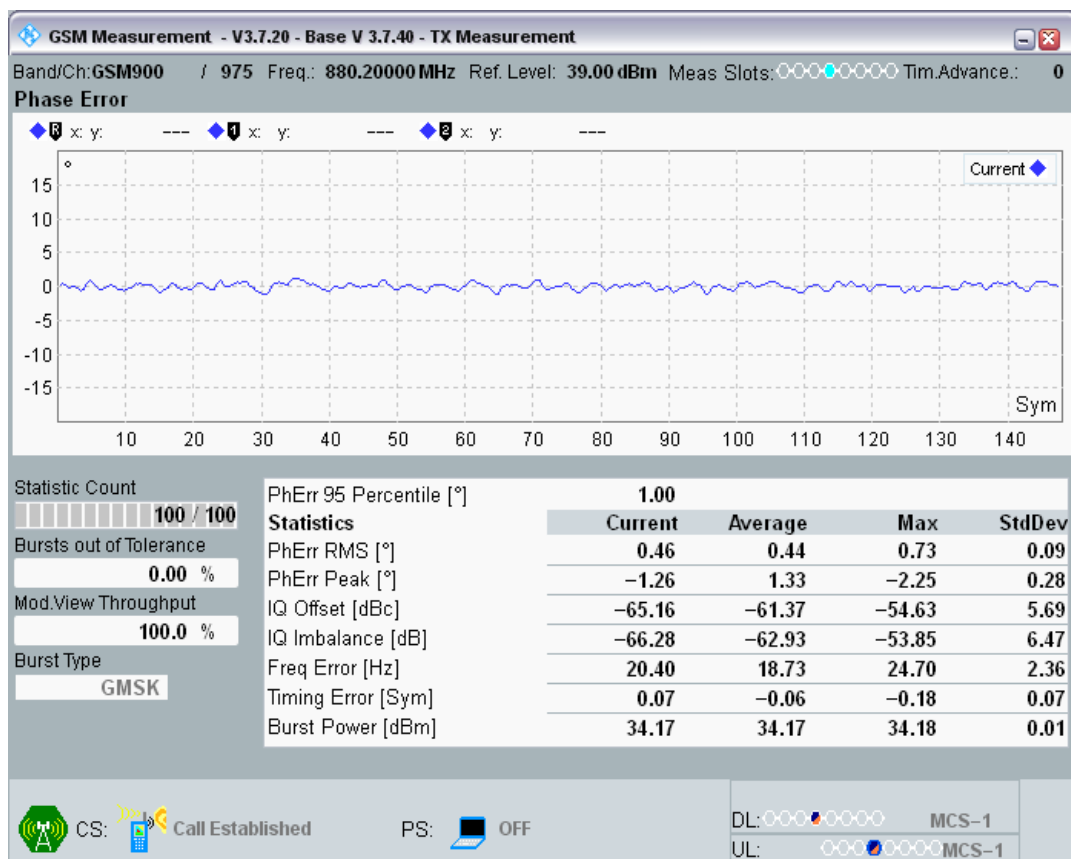
GSM900 Channel=124 PCL=5.png



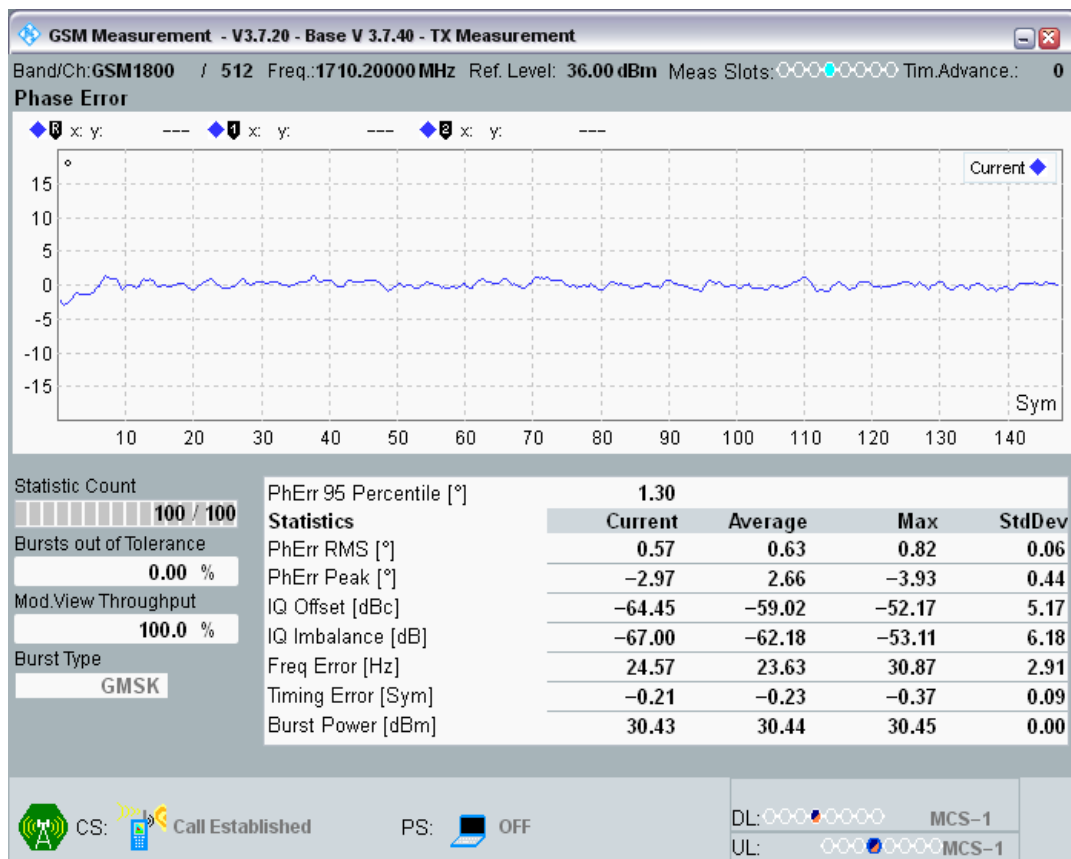
GSM900 Channel=60 PCL=5.png



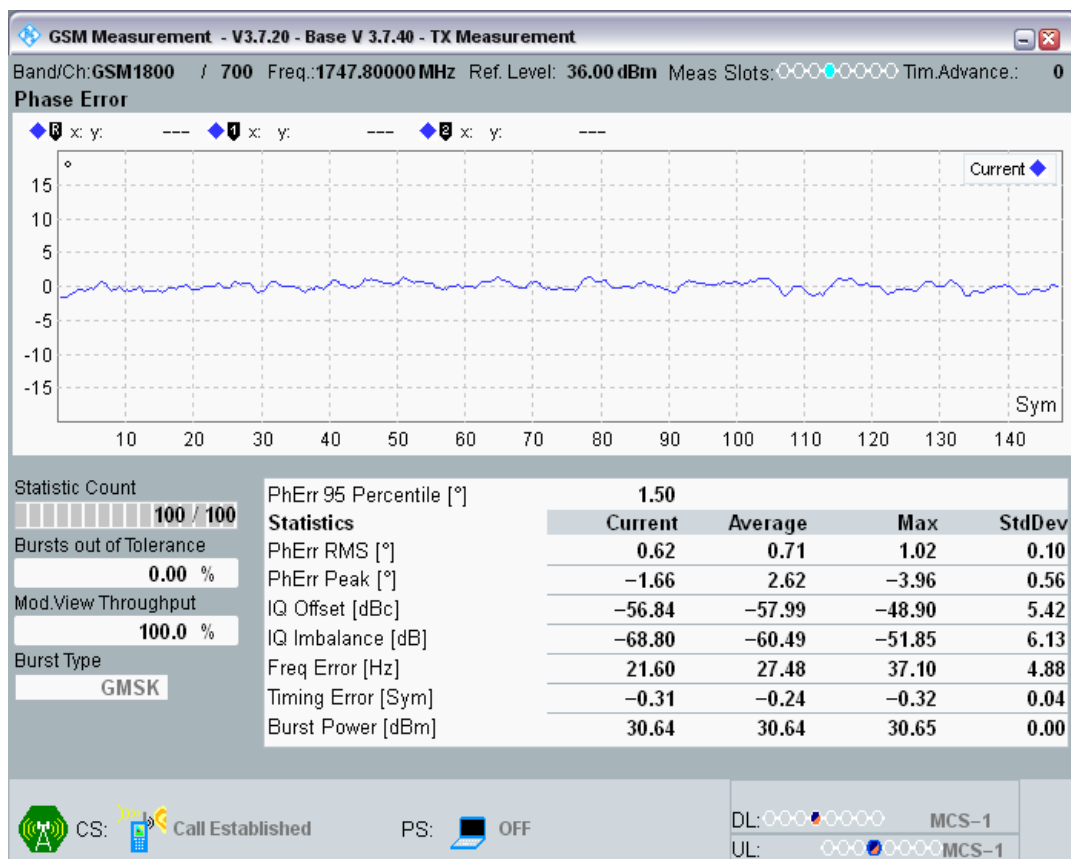
GSM900 Channel=975 PCL=5.png



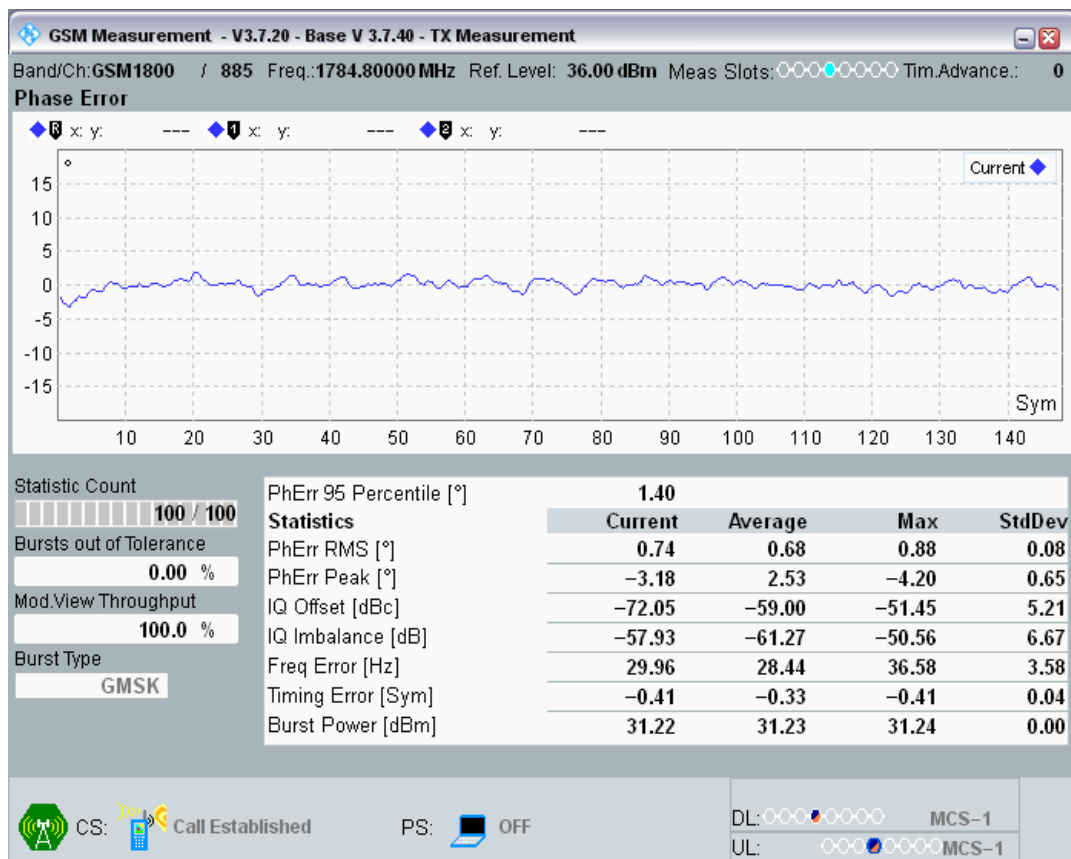
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DCS1800 Channel=700 PCL=0.png



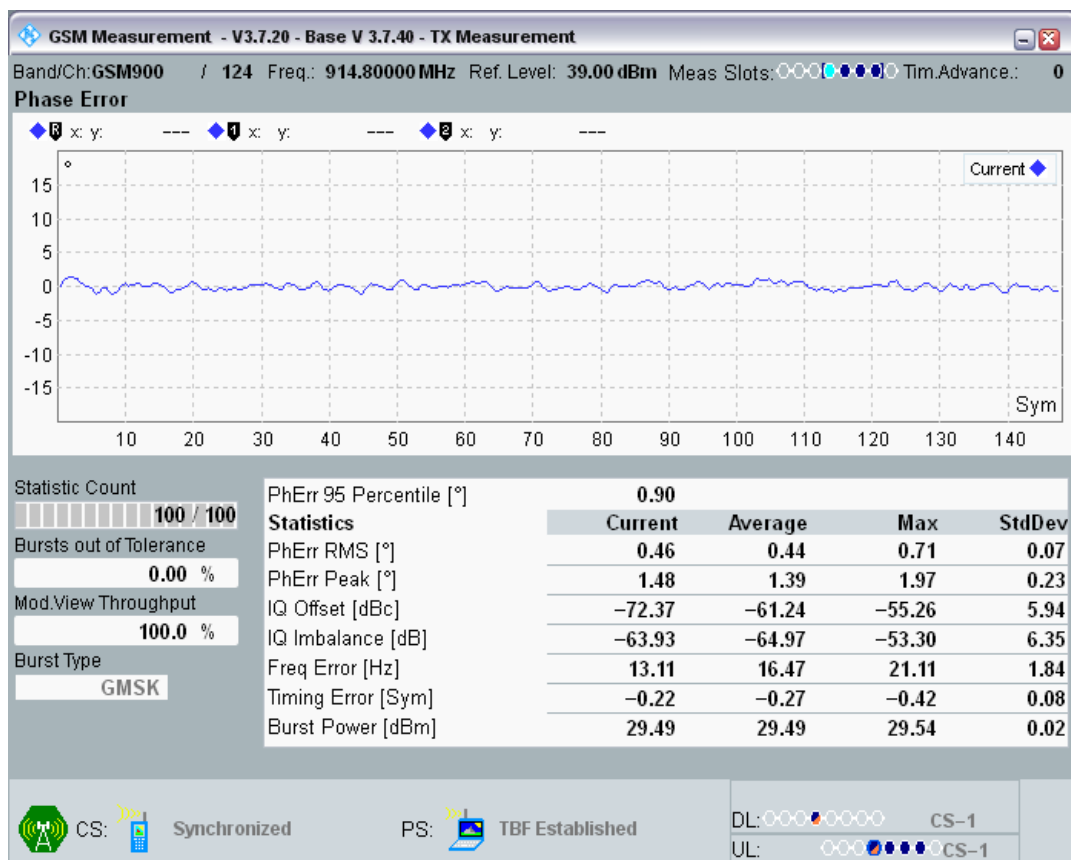
DCS1800 Channel=885 PCL=0.png



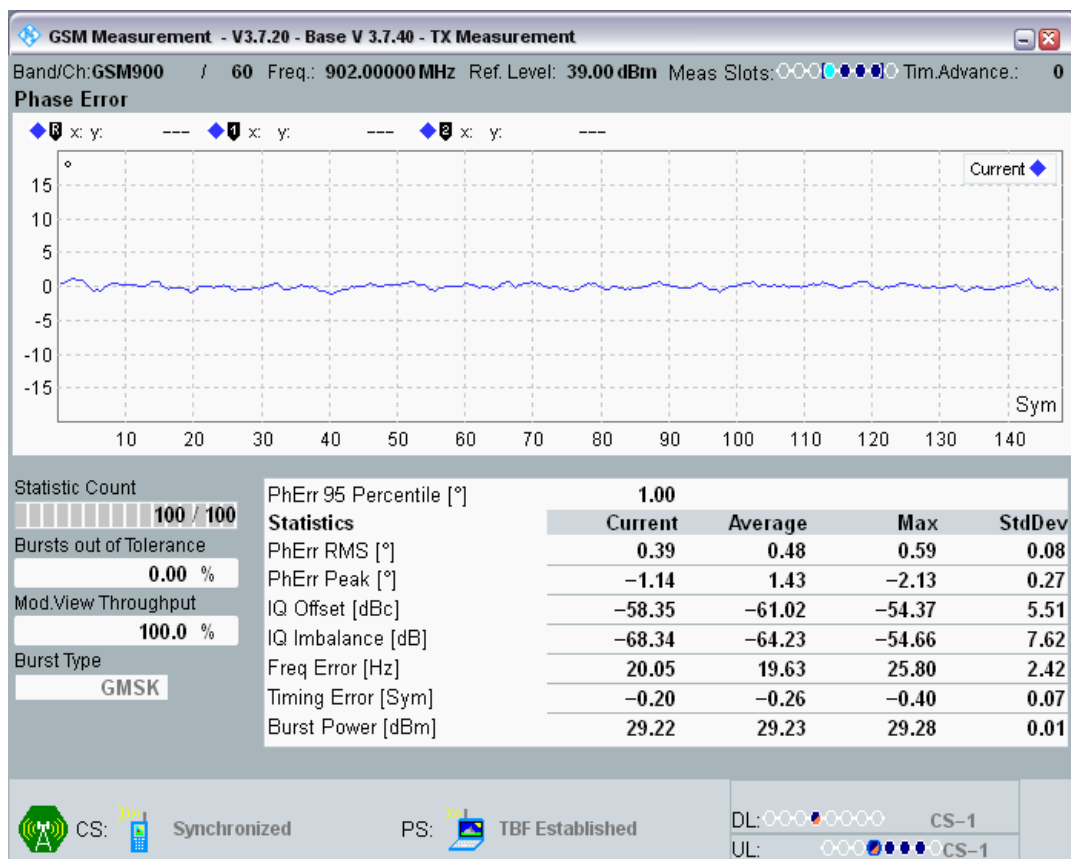
#### Clause 4.2.4 Frequency error and phase error in GPRS multi slot configuration

| Band    | Channel | Frequency (MHz) | Gamma   | Type                      | Result | Low Limit | high Limit | Verdict |
|---------|---------|-----------------|---------|---------------------------|--------|-----------|------------|---------|
| GSM900  | 975     | 880.2           | 3;3;3;3 | Frequency Error (Hz)      | 17.69  | -88.02    | 88.02      | PASS    |
| GSM900  | 975     | 880.2           | 3;3;3;3 | RMS Phase Error (Degree)  | 0.39   | 0         | 5          | PASS    |
| GSM900  | 975     | 880.2           | 3;3;3;3 | Peak Phase Error (Degree) | 1.17   | 0         | 20         | PASS    |
| GSM900  | 60      | 902             | 3;3;3;3 | Frequency Error (Hz)      | 19.63  | -90.2     | 90.2       | PASS    |
| GSM900  | 60      | 902             | 3;3;3;3 | RMS Phase Error (Degree)  | 0.48   | 0         | 5          | PASS    |
| GSM900  | 60      | 902             | 3;3;3;3 | Peak Phase Error (Degree) | 1.43   | 0         | 20         | PASS    |
| GSM900  | 124     | 914.8           | 3;3;3;3 | Frequency Error (Hz)      | 16.47  | -91.48    | 91.48      | PASS    |
| GSM900  | 124     | 914.8           | 3;3;3;3 | RMS Phase Error (Degree)  | 0.44   | 0         | 5          | PASS    |
| GSM900  | 124     | 914.8           | 3;3;3;3 | Peak Phase Error (Degree) | 1.39   | 0         | 20         | PASS    |
| DCS1800 | 512     | 1710.2          | 3;3;3;3 | Frequency Error (Hz)      | 22.96  | -171.02   | 171.02     | PASS    |
| DCS1800 | 512     | 1710.2          | 3;3;3;3 | RMS Phase Error (Degree)  | 0.65   | 0         | 5          | PASS    |
| DCS1800 | 512     | 1710.2          | 3;3;3;3 | Peak Phase Error (Degree) | 2.28   | 0         | 20         | PASS    |
| DCS1800 | 700     | 1747.8          | 3;3;3;3 | Frequency Error (Hz)      | 25.09  | -174.78   | 174.78     | PASS    |
| DCS1800 | 700     | 1747.8          | 3;3;3;3 | RMS Phase Error (Degree)  | 0.61   | 0         | 5          | PASS    |
| DCS1800 | 700     | 1747.8          | 3;3;3;3 | Peak Phase Error (Degree) | 2.05   | 0         | 20         | PASS    |
| DCS1800 | 885     | 1784.8          | 3;3;3;3 | Frequency Error (Hz)      | 23.47  | -178.48   | 178.48     | PASS    |
| DCS1800 | 885     | 1784.8          | 3;3;3;3 | RMS Phase Error (Degree)  | 0.57   | 0         | 5          | PASS    |
| DCS1800 | 885     | 1784.8          | 3;3;3;3 | Peak Phase Error (Degree) | 1.74   | 0         | 20         | PASS    |

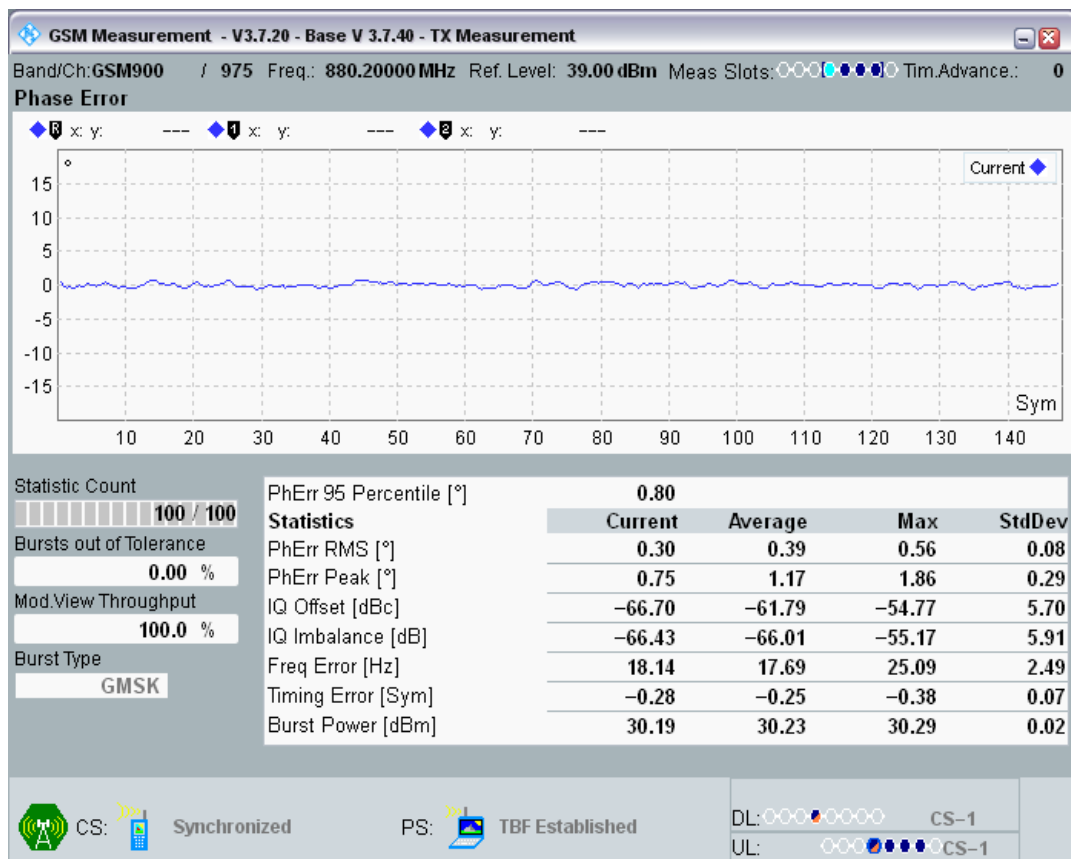
GSM900 Channel=124 Gamma=3;3;3;3.png



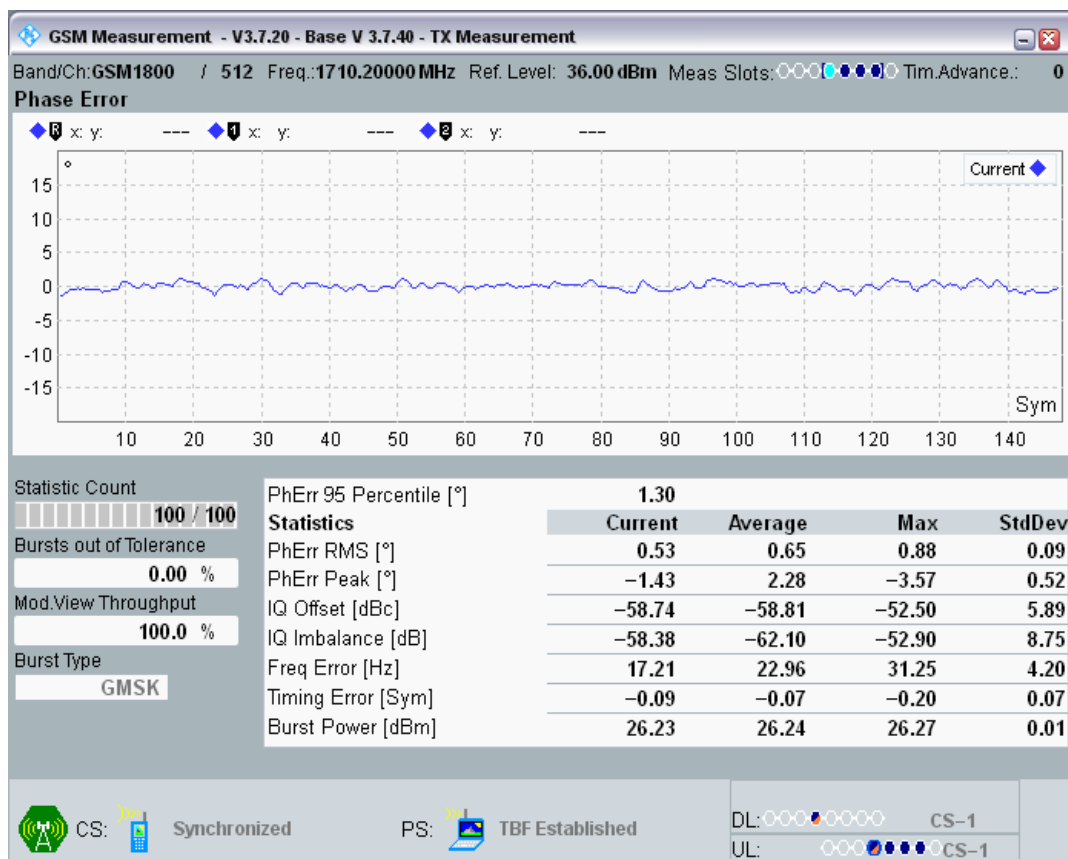
GSM900 Channel=60 Gamma=3;3;3;3.png



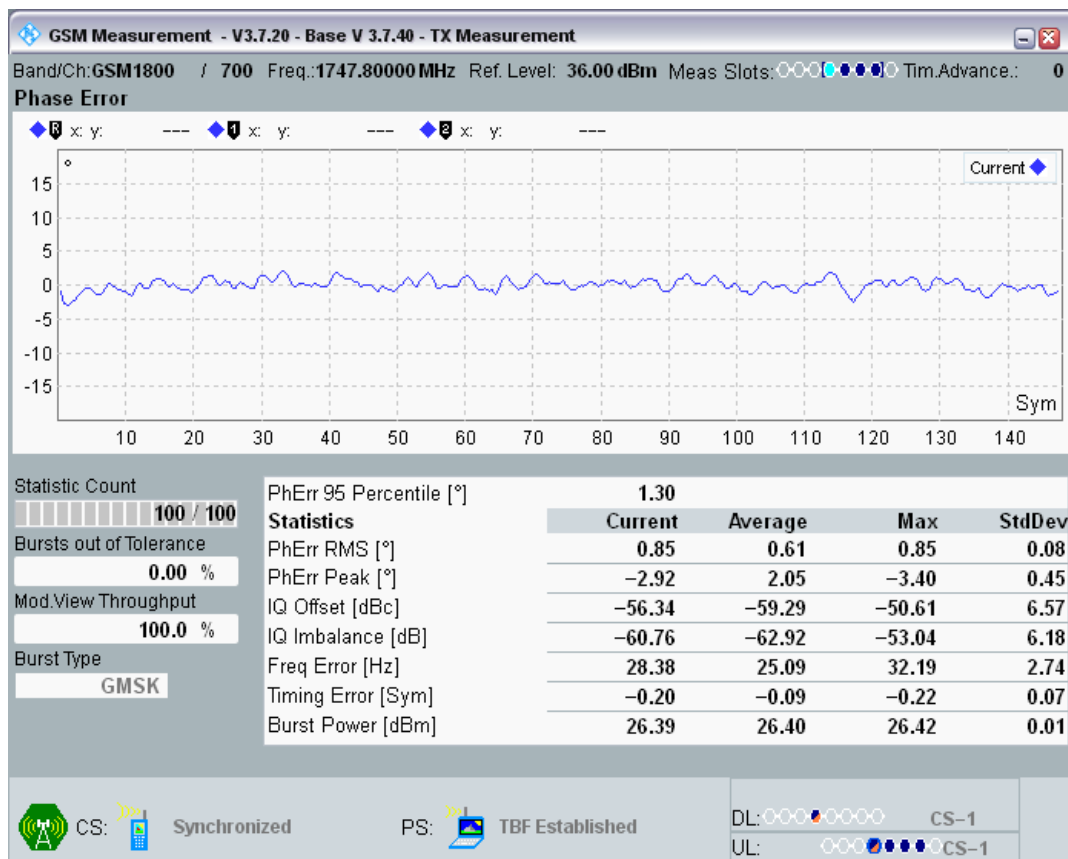
GSM900 Channel=975 Gamma=3;3;3;3.png



DCS1800 Channel=512 Gamma=3;3;3;3.png



DCS1800 Channel=700 Gamma=3;3;3;3.png



DCS1800 Channel=885 Gamma=3;3;3;3.png

