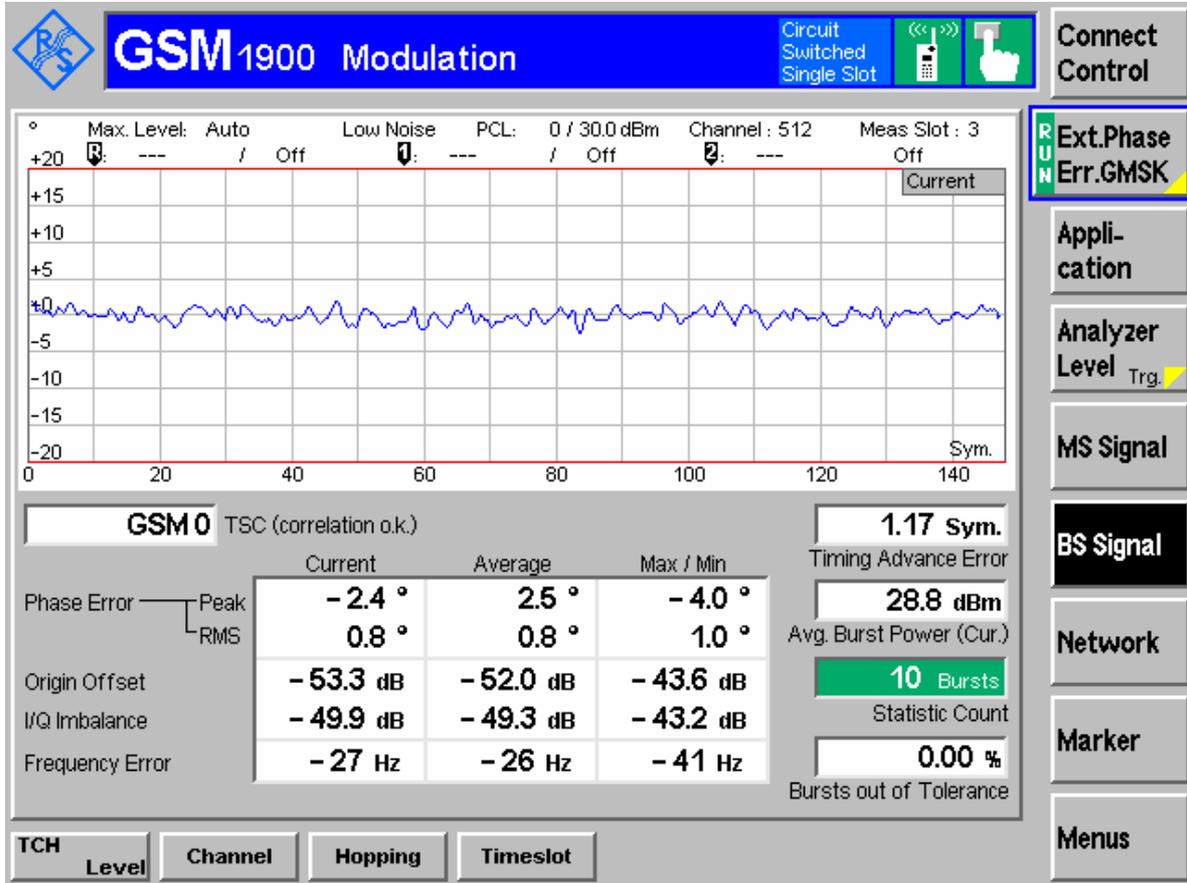


Appendix A

Modulation Characteristics

According to FCC Part 2.1047 & Part24 Subpart E

TM1:GPRS/GSM Channel 512



Channel 661

GSM1900 Modulation
Circuit Switched Single Slot
<< >>
Connect Control

Max. Level: Auto Low Noise: --- / Off PCL: 0 / 30.0 dBm Channel: 661 Meas Slot: 3

+20
+15
+10
+5
+0
-5
-10
-15
-20

Current
Sym.

GSM0 TSC (correlation o.k.)

	Current	Average	Max / Min
Phase Error — Peak	2.0 °	2.3 °	3.7 °
RMS	0.7 °	0.7 °	0.9 °
Origin Offset	-50.8 dB	-54.3 dB	-45.3 dB
I/Q Imbalance	-50.4 dB	-51.4 dB	-45.3 dB
Frequency Error	-28 Hz	-26 Hz	-32 Hz

Timing Advance Error: **1.21 Sym.**
Avg. Burst Power (Cur.): **28.8 dBm**
Statistic Count: **10 Bursts**
Bursts out of Tolerance: **0.00 %**

TCH Level
Channel
Hopping
Timeslot

RUN

Ext.Phase Err.GMSK

Application

Analyzer Level Trg.

MS Signal

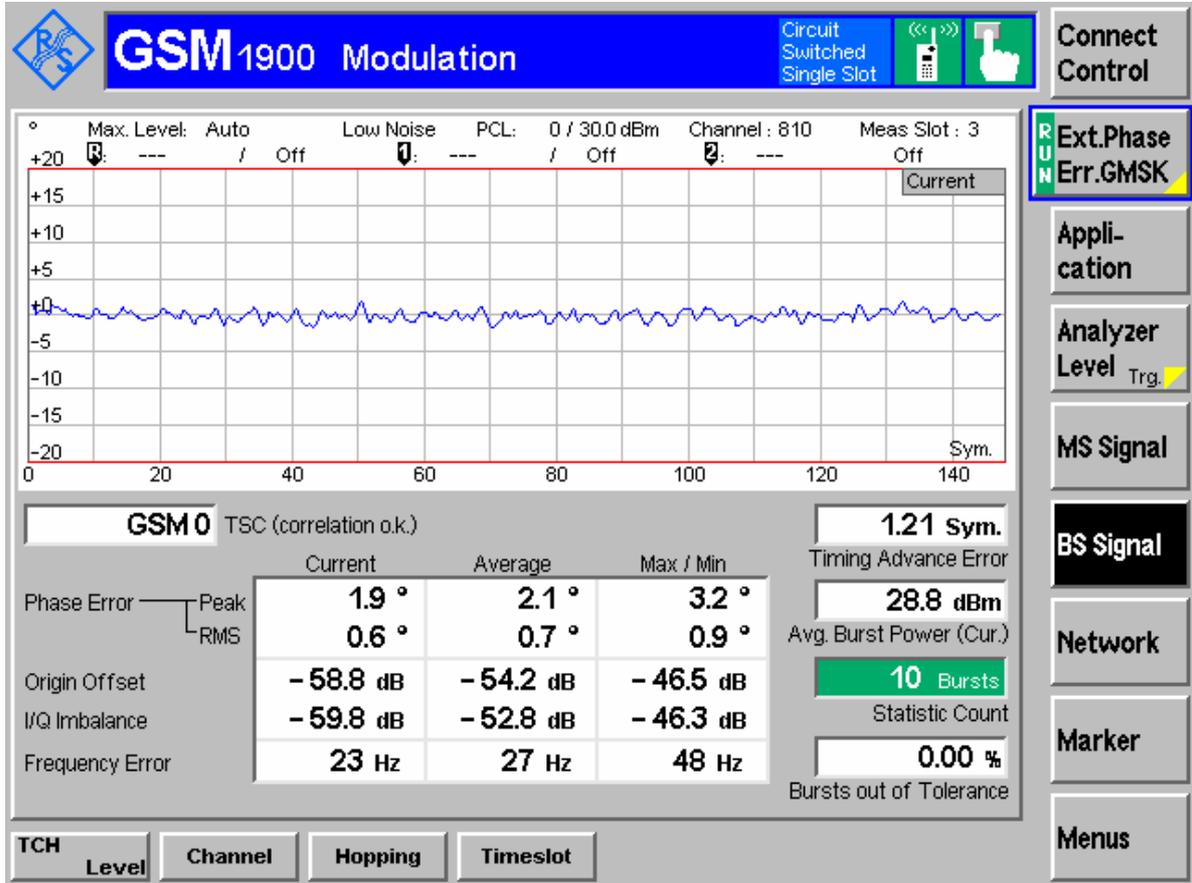
BS Signal

Network

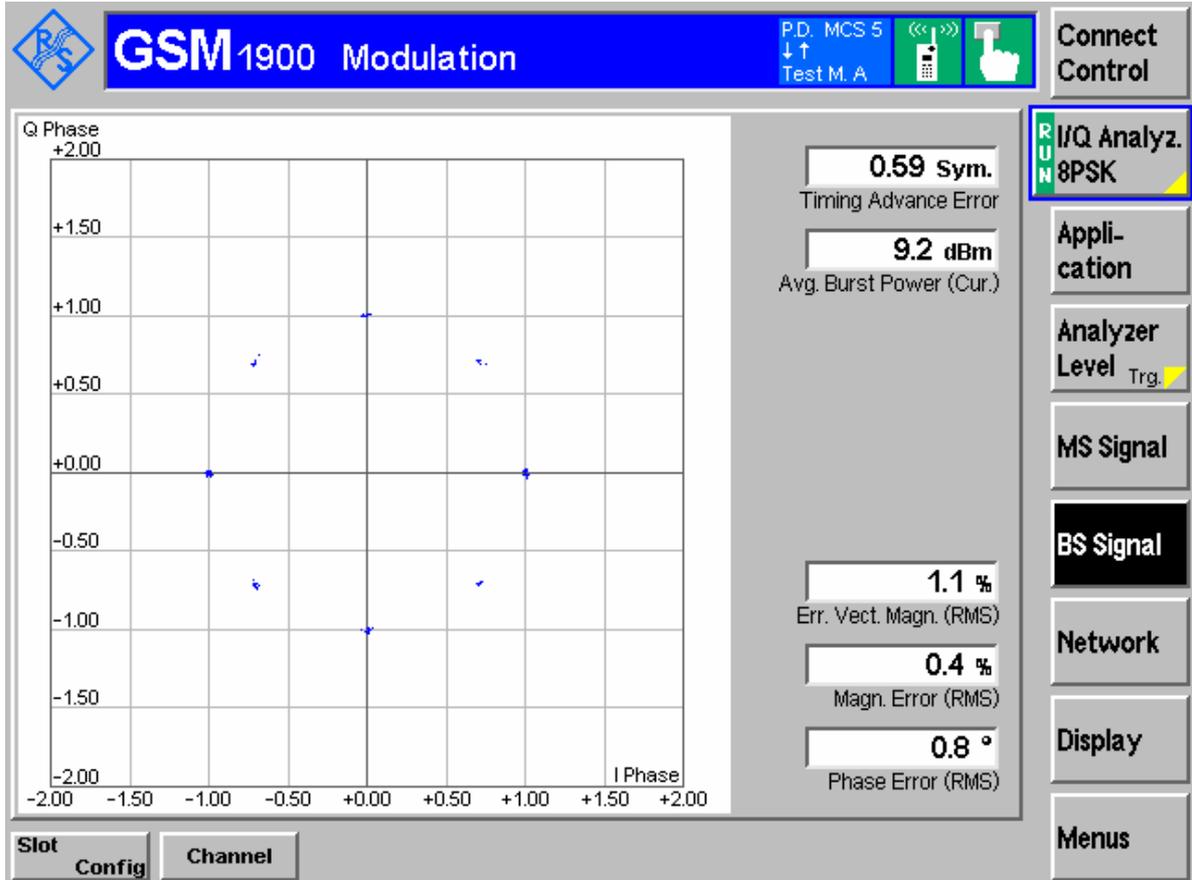
Marker

Menus

Channel 810



TM2:EDGE Channel 512



Channel 661

GSM 1900 Modulation P.D. MCS 5
↓↑ Test M. A

Connect Control

Q Phase
+2.00
+1.50
+1.00
+0.50
+0.00
-0.50
-1.00
-1.50
-2.00

I Phase
-2.00 -1.50 -1.00 -0.50 +0.00 +0.50 +1.00 +1.50 +2.00

0.55 Sym.
Timing Advance Error

9.3 dBm
Avg. Burst Power (Cur.)

1.0 %
Err. Vect. Magn. (RMS)

0.3 %
Magn. Error (RMS)

0.7 °
Phase Error (RMS)

Run I/Q Analyz. 8PSK

Application

Analyzer Level Trg.

MS Signal

BS Signal

Network

Display

Menus

Slot Config Channel

Channel 810

