

UG95 Hardware Design

UMTS/HSPA Module Series

Rev. UG95_Hardware_Design_V1.3

Date: 2015-03-25



11 Appendix D EDGE Modulation and Coding Scheme

Table 33: EDGE Modulation and Coding Scheme

| Coding Scheme | Modulation | Coding Family | 1 Timeslot | 2 Timeslot | 4 Timeslot |
|---------------|------------|---------------|------------|------------|------------|
| CS-1: | GMSK | / | 9.05kbps | 18.1kbps | 36.2kbps |
| CS-2: | GMSK | / | 13.4kbps | 26.8kbps | 53.6kbps |
| CS-3: | GMSK | / | 17.6kbps | 31.2kbps | 62.4kbps |
| CS-4: | GMSK | / | 21.4kbps | 42.8kbps | 85.6kbps |
| MCS-1 | GMSK | C | 8.80kbps | 17.6kbps | 35.2kbps |
| MCS-2 | GMSK | B | 11.2kbps | 22.4kbps | 44.8kbps |
| MCS-3 | GMSK | A | 14.4kbps | 29.6kbps | 59.2kbps |
| MCS-4 | GMSK | C | 17.6kbps | 35.2kbps | 70.4kbps |
| MCS-5 | 8-PSK | B | 22.4kbps | 44.8kbps | 89.6kbps |
| MCS-6 | 8-PSK | A | 29.6kbps | 59.2kbps | 118.4kbps |
| MCS-7 | 8-PSK | B | 44.8kbps | 89.6kbps | 179.2kbps |
| MCS-8 | 8-PSK | A | 54.4kbps | 108.8kbps | 217.6kbps |
| MCS-9 | 8-PSK | A | 59.2kbps | 118.4kbps | 236.8kbps |