|  |  |  |  |
| --- | --- | --- | --- |
| **S2** | **S1** | **S0** | **Multiplexer Output** |
| 0 | 0 | 0 | Freq1 |
| 0 | 0 | 1 | Freq2 |
| 0 | 1 | 0 | Freq3 |
| 0 | 1 | 1 | Freq4 |
| 1 | 0 | 0 | Freq5 |