

<NAND Block Data>

Data (2048 bytes)	Field1 (518 bytes)
	Field2 (518 bytes)
	Field3 (518 bytes)
	Field4 (494 bytes)
Spare Area (64 bytes)	Spare1 (6bytes)
	Field1-ECC (10bytes)
	Spare2 (6bytes)
	Field2-ECC (10bytes)
	Spare3 (6bytes)
	Field3-ECC (10bytes)
	Spare4 (6bytes)
	Field4-ECC (10bytes)

<Procedure>

For writes:

Write 518 bytes of data(Field1)
 Generate Field1-ECC(10bytes)
 Write 518 bytes of data(Field2)
 Generate Field2-ECC(10bytes)
 Write 518 bytes of data(Field3)
 Generate Field3-ECC(10bytes)
 Write 494 bytes of data(Field4)
 Write 6 bytes of data(Spare1)
 Write 6 bytes of data(Spare2)
 Write 6 bytes of data(Spare3)
 Write 6 bytes of data(Spare4)
 Generate Field4-ECC(10bytes)
 Store the Field1-ECC(10bytes)
 Store the Field2-ECC(10bytes)
 Store the Field3-ECC(10bytes)
 Store the Field4-ECC(10bytes)

For reads:

Read the Field1-ECC(10bytes)
 Read 518 bytes of data(Field1)
 Detect Error for Field1
 Correct Error for Filed1
 Read the Field2-ECC(10bytes)
 Read 518 bytes of data(Field2)
 Detect Error for Field2
 Correct Error for Filed2
 Read the Field3-ECC(10bytes)
 Read 518 bytes of data(Field3)
 Detect Error for Field3
 Correct Error for Filed3
 Read the Field4-ECC(10bytes)
 Read 494 bytes of data(Field4)
 Read 6 bytes of data(Spare1)
 Read 6 bytes of data(Spare2)
 Read 6 bytes of data(Spare3)
 Read 6 bytes of data(Spare4)
 Detect Error for Field4&Spare1to4
 Correct Error for Filed4&Spare1to4