

### Yield of forward LMT production

Length: 1240	Requested: 100	Last barcode: 108	Yield:	0.93
Length: 1296	Requested: 30	Last barcode: 36	Yield:	0.83
Length: 1385	Requested: 120	Last barcode: 132	Yield:	0.91
Length: 1441	Requested: 110	Last barcode: 120	Yield:	0.92
Length: 1768	Requested: 120	Last barcode: 132	Yield:	0.91
Length: 1824	Requested: 110	Last barcode: 132	Yield:	0.83
Length: 2051	Requested: 90	Last barcode: 96	Yield:	0.94
Length: 2107	Requested: 120	Last barcode: 144	Yield:	0.83
Length: 2163	Requested: 120	Last barcode: 141	Yield:	0.85
Length: 2412	Requested: 90	Last barcode: 120	Yield:	0.75
Length: 2452	Requested: 90	Last barcode: 107	Yield:	0.84
Length: 2483	Requested: 70	Last barcode: 84	Yield:	0.83
Length: 2503	Requested: 80	Last barcode: 96	Yield:	0.83
Length: 2524	Requested: 90	Last barcode: 108	Yield:	0.83
Length: 2559	Requested: 120	Last barcode: 144	Yield:	0.83
Length: 2615	Requested: 120	Last barcode: 132	Yield:	0.91
Length: 2705	Requested: 90	Last barcode: 108	Yield:	0.83
Length: 2761	Requested: 120	Last barcode: 131	Yield:	0.92
Length: 2817	Requested: 120	Last barcode: 132	Yield:	0.91
Length: 2860	Requested: 90	Last barcode: 108	Yield:	0.83
Length: 2916	Requested: 120	Last barcode: 168	Yield:	0.71
Length: 2952	Requested: 150	Last barcode: 180	Yield:	0.83
Length: 2972	Requested: 90	Last barcode: 108	Yield:	0.83
Length: 3010	Requested: 110	Last barcode: 144	Yield:	0.76

Yield = (Requested)/(Last barcode)

All requested: 2470, All produced: 2911, Yield = 2470/2911 = 0.85

Electrically tested: 2744, OK: 2644, Yield = 2644/2744 = 0.96

Analysis of fall out at the electrical test stage:

- visual inspection 30
- high voltage 5 (I > 10 nA)
- inter line resistance (shorts) 38 (R < 100 MOhm)
- line resistance (breaks) 27 ( $R_{\text{Thick}} > 0.15$ ,  $R_{\text{Thin}} > 1.7 \Omega/\text{m}$ )

Total lost at electrical test stage 100