- In parallel design validation should be assessed following Nokia RFP commitment and taking into consideration the below KPIs:

* Within 4db of the best server:
  + % of area with 4 servers or more should be <2%
  + % of area with 2 servers or more should be <35%
* Within 10db of the best server:
  + % of area with 7 servers or more should be <2%
* Average and % of achievement for both 700Mhz and 1800Mhz under 100% load following “TE\_RFP\_Coverage Results\_v16” design commitment sheet for (RSRP, RSRQ, SNR, DL and UL Throughput).

**4 Definitions of KPI Formula**

|  |  |
| --- | --- |
| OSS Acceptance KPI | Nokia KPI |
| DL MCS Distribution | LTE\_1074a Avg MCS PDSCH trans |
| UL MCS Distribution | LTE\_1075a Avg MCS PUSCH trans |
| CQI Distribution | LTE\_5427a Average CQI |
| RACH Completion Success Rate | LTE\_5569a RACH Stp Completion SR |
| Average RSSI | LTE\_5444b Avg RSSI for PUSCH |
| RRC Connection Setup Success Rate | LTE\_5218f Total E-UTRAN RRC conn stp SR |
| CSFB Setup Success Rate | 100\*[sum(UE\_CTX\_SETUP\_SUCC\_CSFB) + sum(UE\_CTX\_MOD\_SUCC\_CSFB)] / [sum(UE\_CTX\_SETUP\_ATT\_CSFB) + sum(UE\_CTX\_MOD\_ATT\_CSFB)] |
| ERAB Drop Rate | LTE\_5025e E-RAB DR RAN |
| LTE Intra-frequency HO Success Rate | LTE\_5568a E-UTRAN Intra-Frequency HO Success Ratio |
| LTE Inter-frequency HO Success Rate | LTE\_5114a E-UTRAN Inter-Freq HO SR |
| Peak DL Application Throughput @10MHz | LTE\_291b Max PDCP Thr DL |
| Peak UL Application Throughput @10MHz | LTE\_288b Max PDCP Thr UL |
| Peak DL Application Throughput @5MHz | LTE\_291b Max PDCP Thr DL |
| Peak UL Application Throughput @5MHz | LTE\_288b Max PDCP Thr UL |
| Downlink BLER | LTE\_139d Perc DL\_SCH TB RTRANS |
| Uplink BLER | LTE\_140b Perc UL\_SCH TB RTRANS |
| ENB Availability | LTE\_5750a Cell Avail |