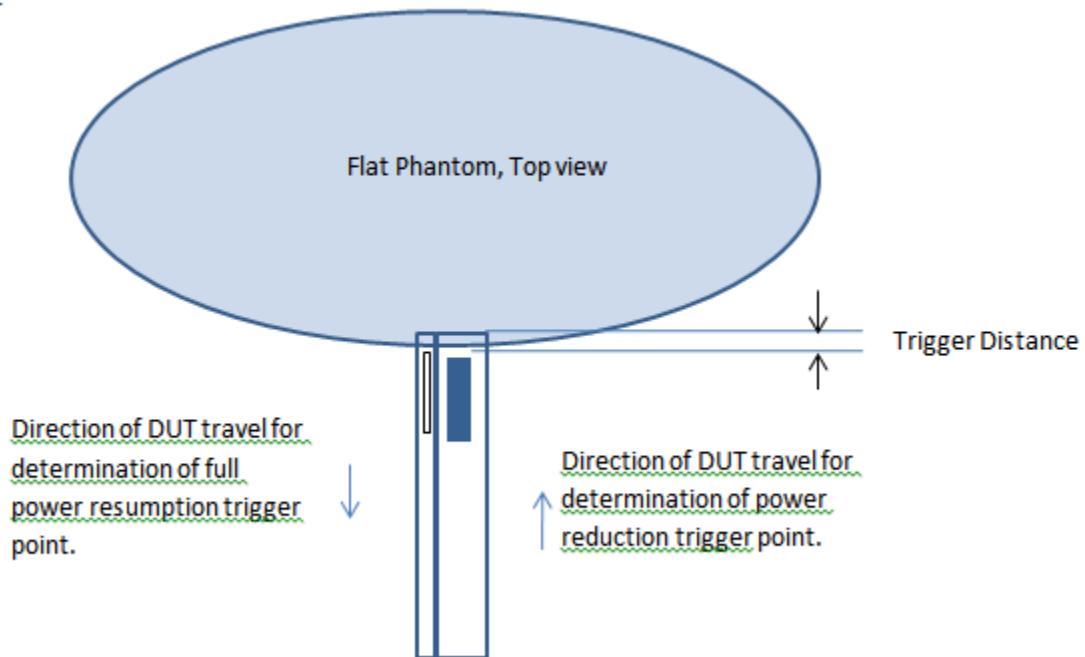


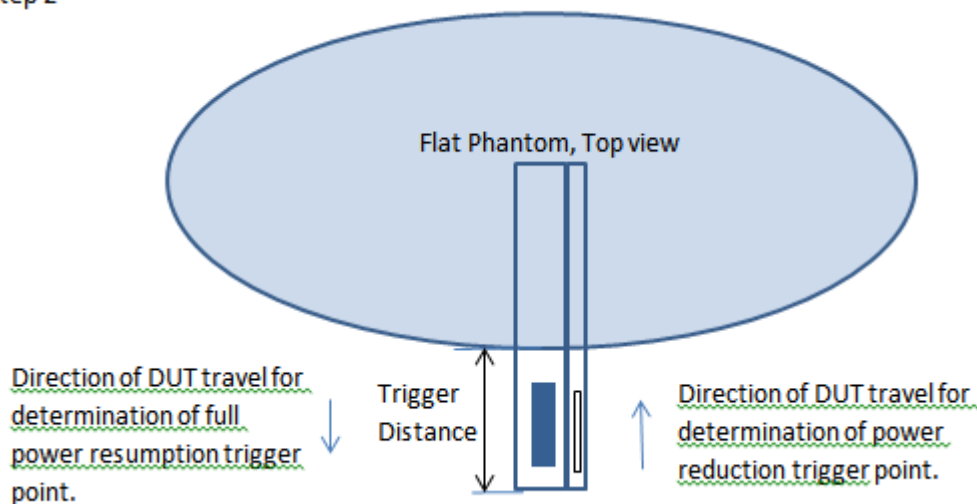
7.8. Proximity Sensor Coverage (KDB 616217 §6.3)

The DUT was positioned at a distance less than 17mm (smallest measured trigger distance) below the phantom. The DUT was held perpendicular to the phantom with edge 4 parallel to the phantom's bottom surface. From a starting position with the DUT >20mm laterally outside the phantom the DUT was moved horizontally toward the phantom as described in KDB 616217 §6.3 to determine the coverage trigger distance. The process was repeated with the DUT positioned directly below the phantom and then moved horizontally away from the phantom. Each edge and face adjacent to edge 1 of the DUT was assessed.

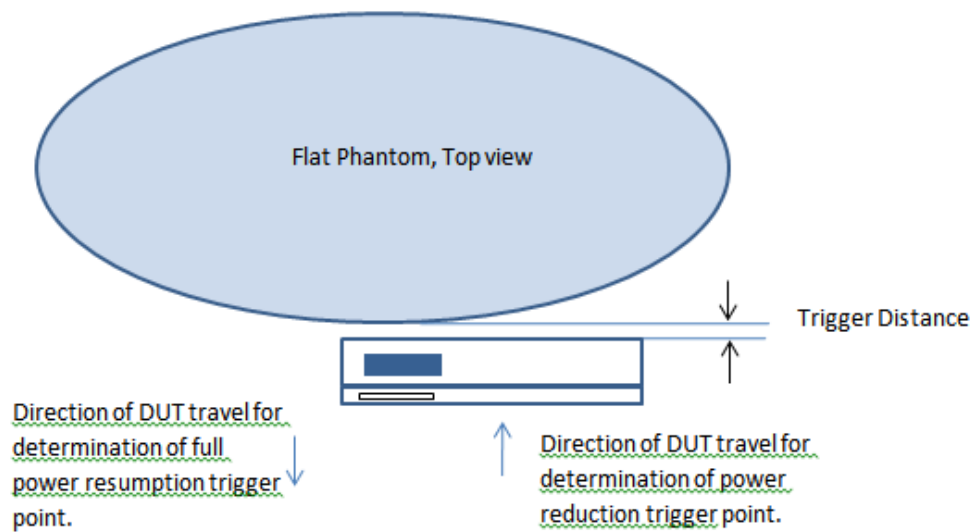
Step 1



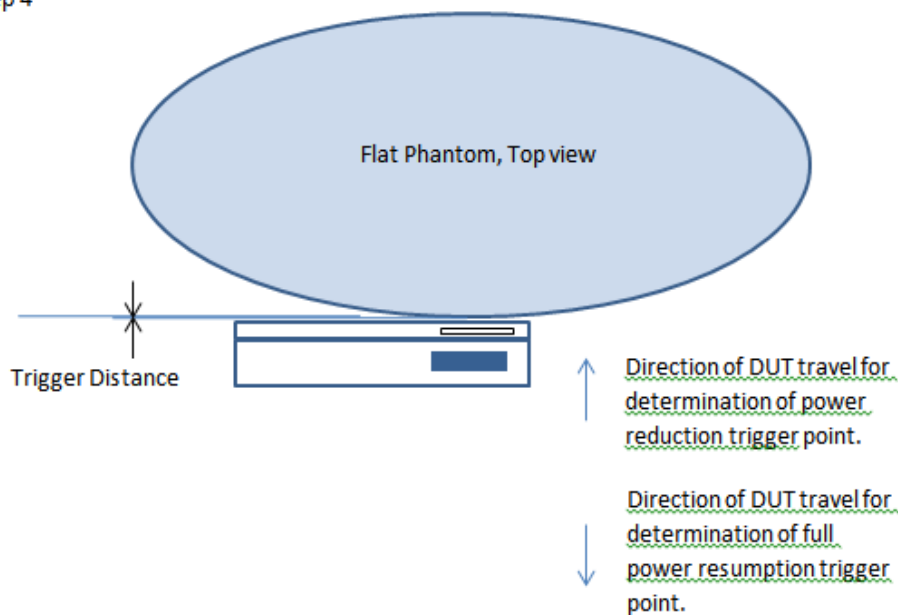
Step 2



Step 3



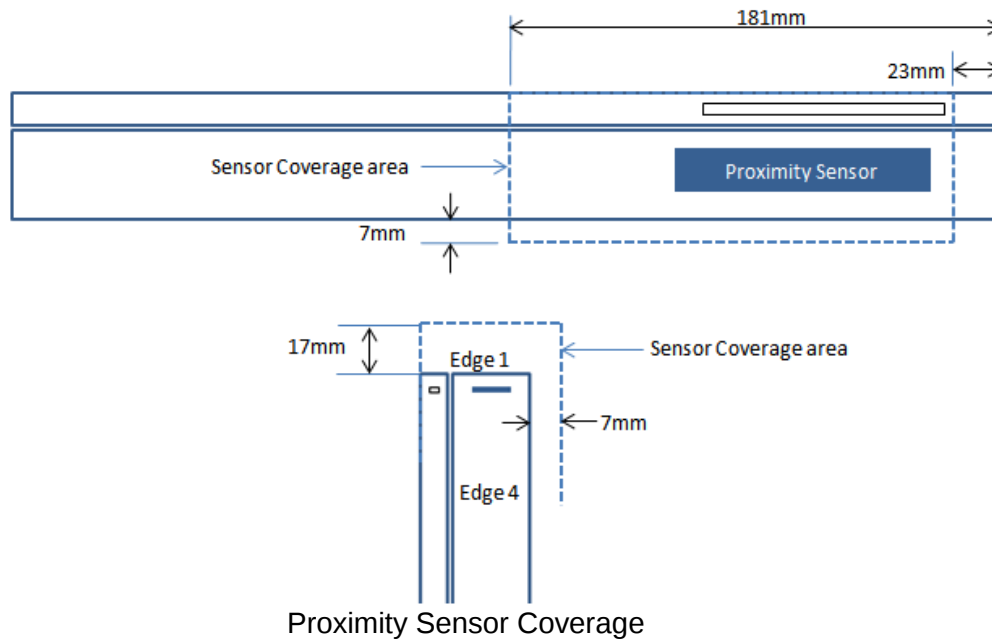
Step 4



Summary of proximity sensor coverage distances.

Tissue simulating liquid	Trigger distance Step 1		Trigger distance Step 2		Trigger distance Step 3		Trigger distance Step 4	
	Moving toward phantom	Moving from phantom	Moving toward phantom	Moving from phantom	Moving toward phantom	Moving from phantom	Moving toward phantom	Moving from phantom
850 muscle	-19mm	-15mm	181mm	189mm	7mm	8mm	0mm	4mm
1750 muscle	-22mm	-17mm	189mm	191mm	9mm	10mm	1mm	4mm
1900 muscle	-23mm	-17mm	190mm	195mm	10mm	12mm	0mm	3mm

Note - A negative distance indicates that the DUT's edge had passed under the edge of the phantom

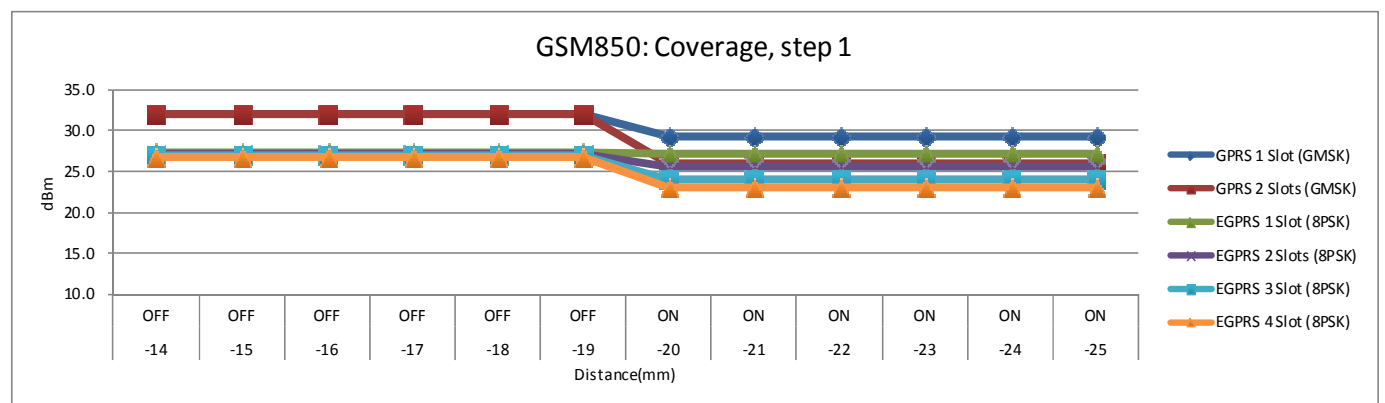


All of the edge 1 WWAN SAR peaks were situated within the boundaries of the proximity sensor coverage area.

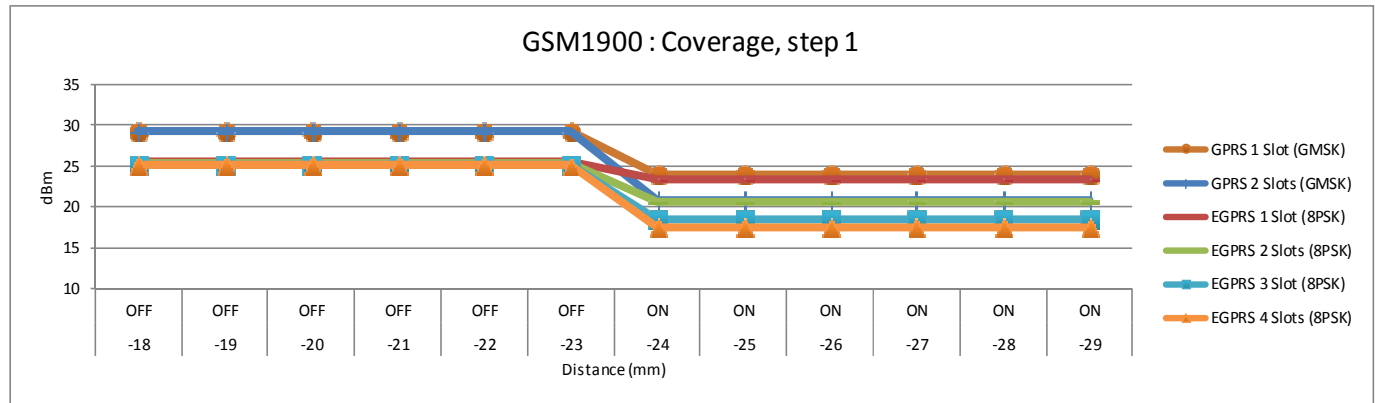
7.9. Proximity Sensor Coverage Measurement Results

7.9.1. DUT Moving Toward the Phantom

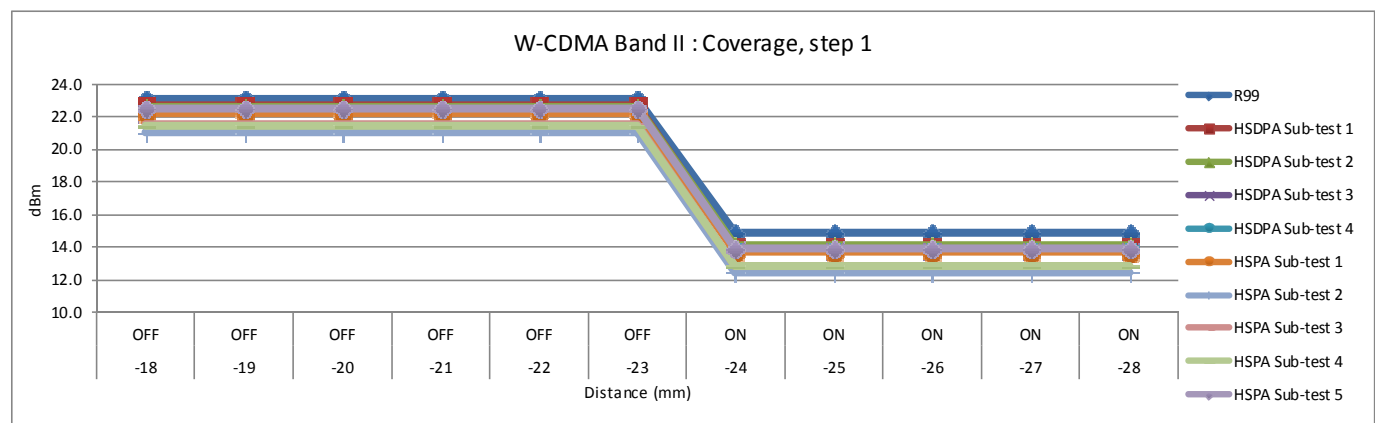
Coverage step 1, GSM850												
Distance (mm):	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
GPRS 1 Slot (GMSK)	32.1	32.1	32.1	32.1	32.1	32.1	29.4	29.4	29.4	29.4	29.4	29.4
GPRS 2 Slots (GMSK)	32.0	32.0	32.0	32.0	32.0	32.0	26.0	26.0	26.0	26.0	26.0	26.0
EGPRS 1 Slot (8PSK)	27.3	27.3	27.3	27.3	27.3	27.3	27.2	27.2	27.2	27.2	27.2	27.2
EGPRS 2 Slots (8PSK)	27.1	27.1	27.1	27.1	27.1	27.1	25.6	25.6	25.6	25.6	25.6	25.6
EGPRS 3 Slot (8PSK)	26.9	26.9	26.9	26.9	26.9	26.9	23.9	23.9	23.9	23.9	23.9	23.9
EGPRS 4 Slot (8PSK)	26.8	26.8	26.8	26.8	26.8	26.8	23.0	23.0	23.0	23.0	23.0	23.0



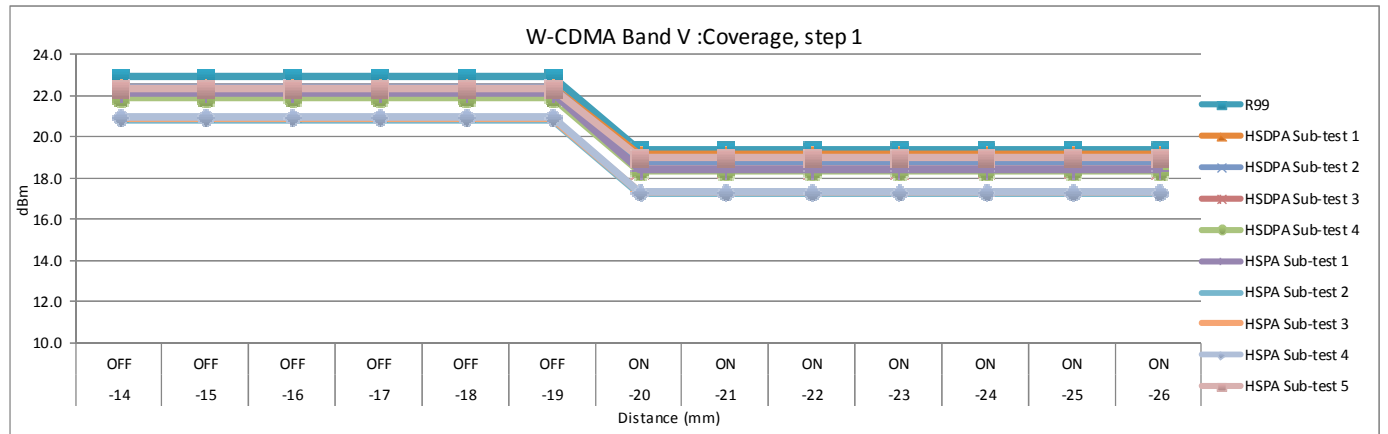
Coverage step 1, GSM1900												
Distance (mm):	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
GPRS 1 Slot (GMSK)	29.3	29.3	29.3	29.3	29.3	29.3	24.0	24.0	24.0	24.0	24.0	24.0
GPRS 2 Slots (GMSK)	29.2	29.2	29.2	29.2	29.2	29.2	20.8	20.8	20.8	20.8	20.8	20.8
EGPRS 1 Slot (8PSK)	25.5	25.5	25.5	25.5	25.5	25.5	23.3	23.3	23.3	23.3	23.3	23.3
EGPRS 2 Slots (8PSK)	25.3	25.3	25.3	25.3	25.3	25.3	20.6	20.6	20.6	20.6	20.6	20.6
EGPRS 3 Slot (8PSK)	25.2	25.2	25.2	25.2	25.2	25.2	18.6	18.6	18.6	18.6	18.6	18.6
EGPRS 4 Slots (8PSK)	25.1	25.1	25.1	25.1	25.1	25.1	17.5	17.5	17.5	17.5	17.5	17.5



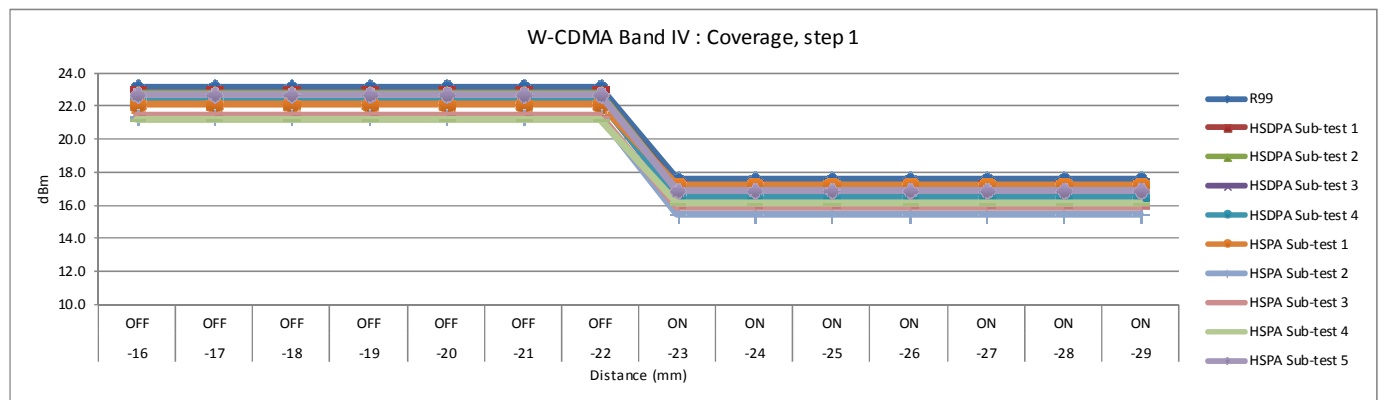
Coverage step 1, W-CDMA Band II												
Distance (mm):	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	
R99	23.1	23.1	23.1	23.1	23.1	23.1	14.9	14.9	14.9	14.9	14.9	
HSDPA Sub-test 1	22.7	22.7	22.7	22.7	22.7	22.7	14.0	14.0	14.0	14.0	14.0	
HSDPA Sub-test 2	22.6	22.6	22.6	22.6	22.6	22.6	14.1	14.1	14.1	14.1	14.1	
HSDPA Sub-test 3	22.2	22.2	22.2	22.2	22.2	22.2	13.8	13.8	13.8	13.8	13.8	
HSDPA Sub-test 4	22.2	22.2	22.2	22.2	22.2	22.2	13.8	13.8	13.8	13.8	13.8	
HSPA Sub-test 1	22.3	22.3	22.3	22.3	22.3	22.3	13.7	13.7	13.7	13.7	13.7	
HSPA Sub-test 2	21.1	21.1	21.1	21.1	21.1	21.1	12.5	12.5	12.5	12.5	12.5	
HSPA Sub-test 3	21.5	21.5	21.5	21.5	21.5	21.5	12.8	12.8	12.8	12.8	12.8	
HSPA Sub-test 4	21.5	21.5	21.5	21.5	21.5	21.5	12.9	12.9	12.9	12.9	12.9	
HSPA Sub-test 5	22.5	22.5	22.5	22.5	22.5	22.5	13.9	13.9	13.9	13.9	13.9	



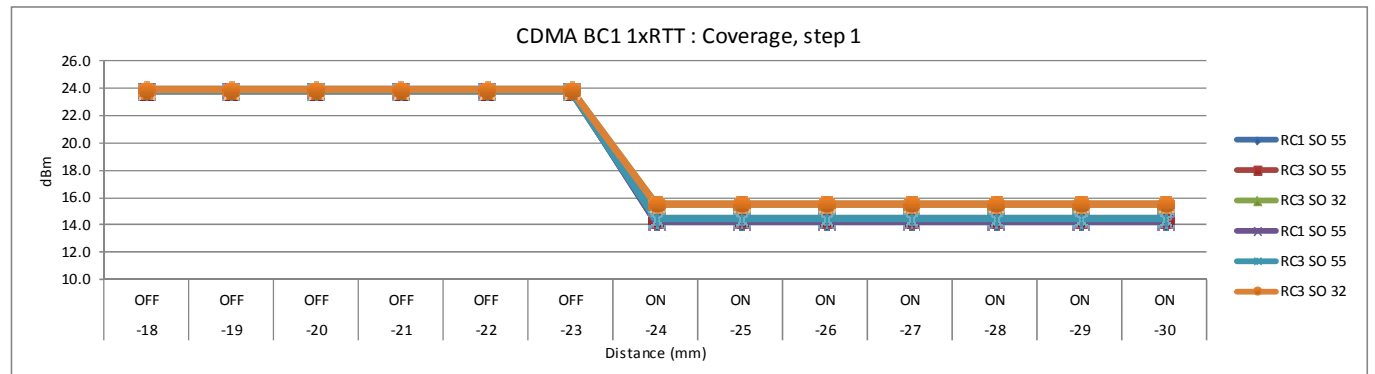
Coverage step 1, W-CDMA Band V													
Distance (mm):	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
R99	22.9	22.9	22.9	22.9	22.9	22.9	19.3	19.3	19.3	19.3	19.3	19.3	19.3
HSDPA Sub-test 1	22.4	22.4	22.4	22.4	22.4	22.4	19.2	19.2	19.2	19.2	19.2	19.2	19.2
HSDPA Sub-test 2	22.4	22.4	22.4	22.4	22.4	22.4	18.8	18.8	18.8	18.8	18.8	18.8	18.8
HSDPA Sub-test 3	22.1	22.1	22.1	22.1	22.1	22.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4
HSDPA Sub-test 4	22.0	22.0	22.0	22.0	22.0	22.0	18.3	18.3	18.3	18.3	18.3	18.3	18.3
HSPA Sub-test 1	22.1	22.1	22.1	22.1	22.1	22.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4
HSPA Sub-test 2	20.8	20.8	20.8	20.8	20.8	20.8	17.3	17.3	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 3	20.9	20.9	20.9	20.9	20.9	20.9	17.3	17.3	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 4	21.0	21.0	21.0	21.0	21.0	21.0	17.4	17.4	17.4	17.4	17.4	17.4	17.4
HSPA Sub-test 5	22.3	22.3	22.3	22.3	22.3	22.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0



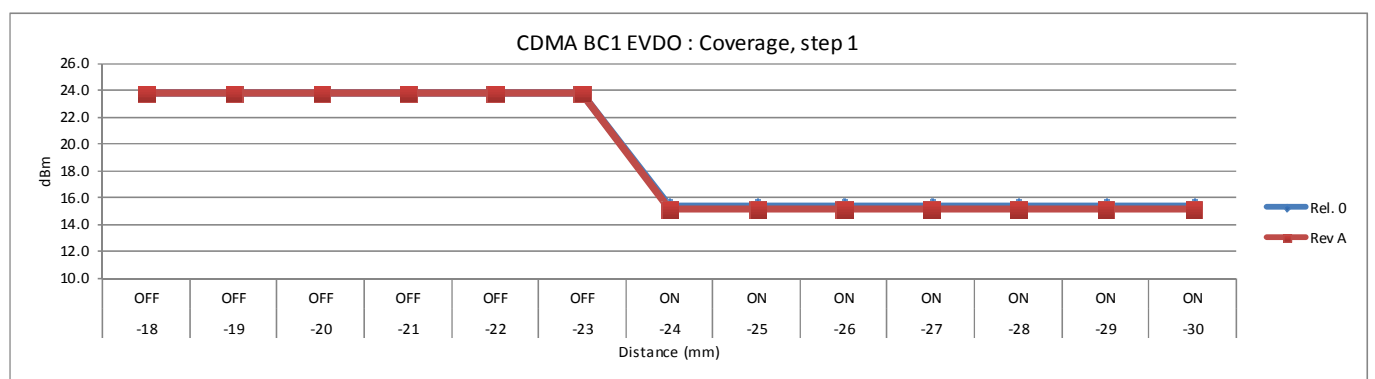
Coverage step 1, W-CDMA Band IV														
Distance (mm):	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
R99	23.2	23.2	23.2	23.2	23.2	23.2	23.2	17.6	17.6	17.6	17.6	17.6	17.6	17.6
HSDPA Sub-test 1	22.8	22.8	22.8	22.8	22.8	22.8	22.8	17.1	17.1	17.1	17.1	17.1	17.1	17.1
HSDPA Sub-test 2	22.8	22.8	22.8	22.8	22.8	22.8	22.8	17.0	17.0	17.0	17.0	17.0	17.0	17.0
HSDPA Sub-test 3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5
HSDPA Sub-test 4	22.3	22.3	22.3	22.3	22.3	22.3	22.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5
HSPA Sub-test 1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	17.3	17.3	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 2	21.4	21.4	21.4	21.4	21.4	21.4	21.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5
HSPA Sub-test 3	21.5	21.5	21.5	21.5	21.5	21.5	21.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9
HSPA Sub-test 4	21.2	21.2	21.2	21.2	21.2	21.2	21.2	16.1	16.1	16.1	16.1	16.1	16.1	16.1
HSPA Sub-test 5	22.7	22.7	22.7	22.7	22.7	22.7	22.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9



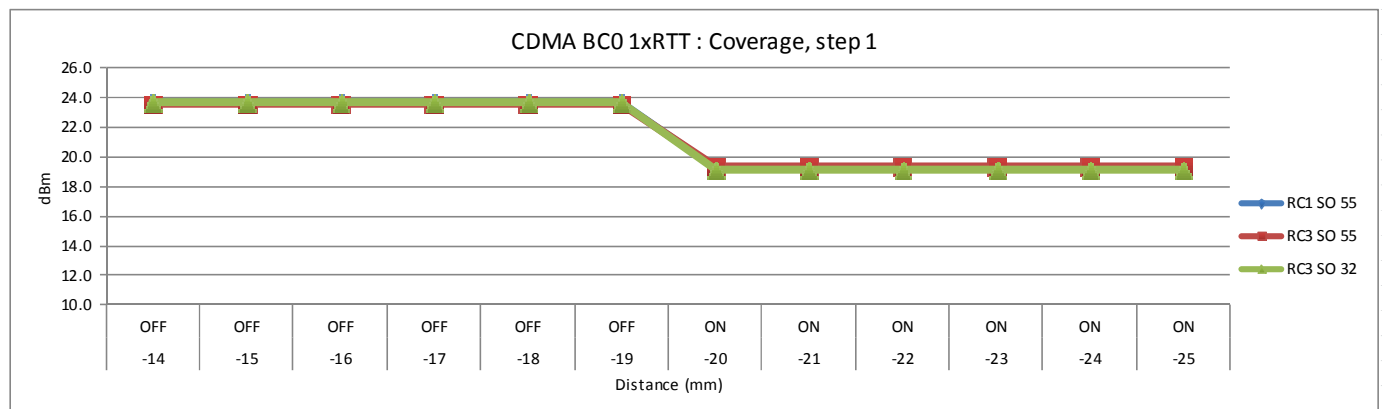
Coverage step 1, CDMA BC1 1xRTT													
Distance (mm):	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29	-30
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.9	23.9	23.9	23.9	23.9	23.9	14.3	14.3	14.3	14.3	14.3	14.3	14.3
RC3 SO 55	23.8	23.8	23.8	23.8	23.8	23.8	14.5	14.5	14.5	14.5	14.5	14.5	14.5
RC3 SO 32	23.9	23.9	23.9	23.9	23.9	23.9	15.5	15.5	15.5	15.5	15.5	15.5	15.5



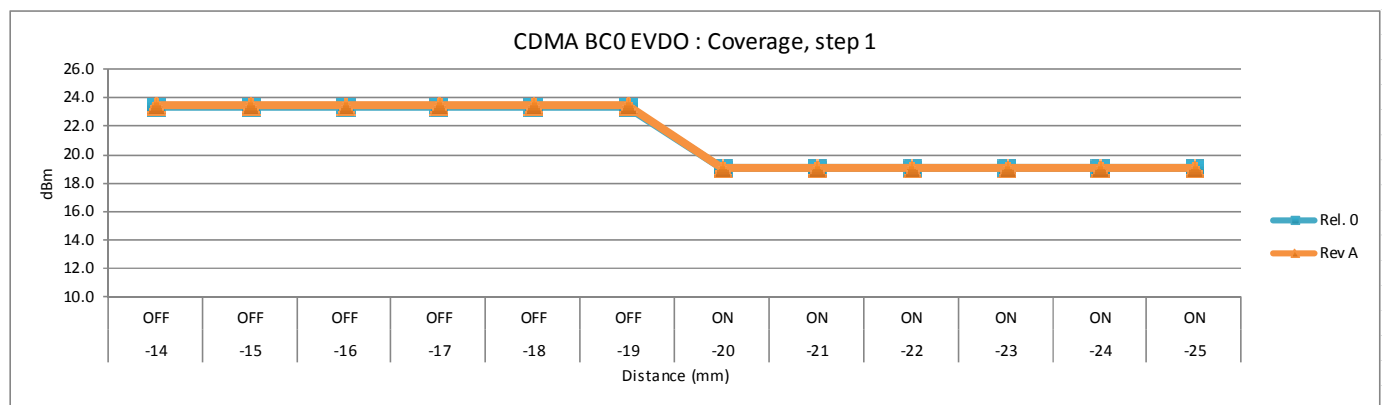
Coverage step 1, CDMA BC1 EVDO													
Distance (mm):	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29	-30
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
Rel. 0	23.8	23.8	23.8	23.8	23.8	23.8	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Rev A	23.8	23.8	23.8	23.8	23.8	23.8	15.2	15.2	15.2	15.2	15.2	15.2	15.2



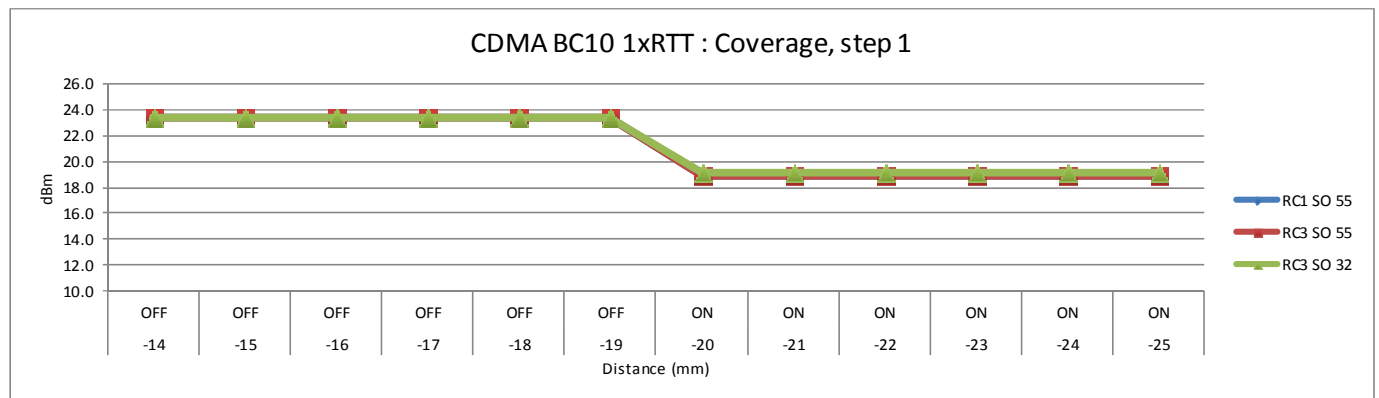
Coverage step 1, CDMA BC0 1xRTT												
Distance (mm):	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.6	23.6	23.6	23.6	23.6	23.6	19.2	19.2	19.2	19.2	19.2	19.2
RC3 SO 55	23.6	23.6	23.6	23.6	23.6	23.6	19.4	19.4	19.4	19.4	19.4	19.4
RC3 SO 32	23.6	23.6	23.6	23.6	23.6	23.6	19.2	19.2	19.2	19.2	19.2	19.2



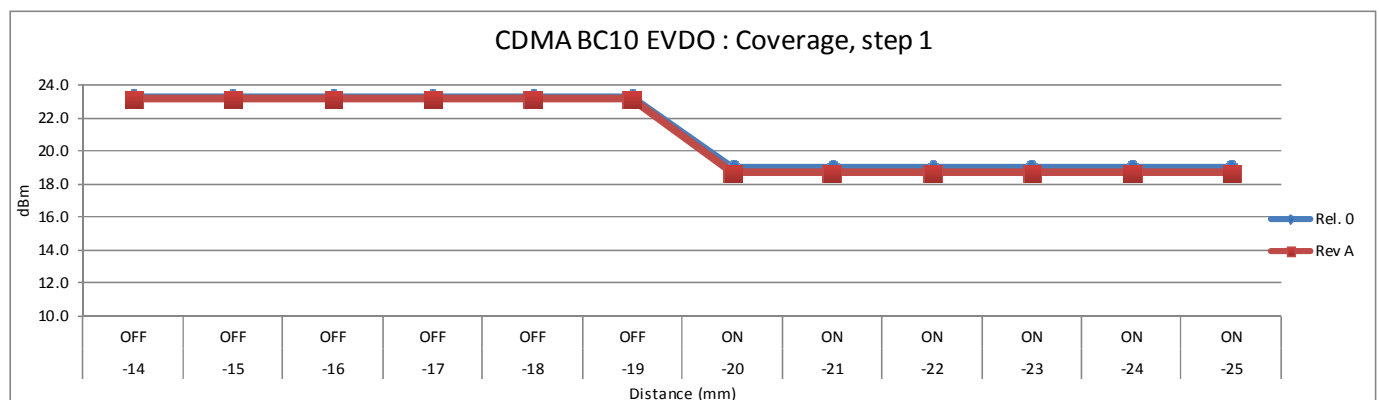
Coverage step 1, CDMA BC0 EVDO												
Distance (mm):	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
Rel. 0	23.4	23.4	23.4	23.4	23.4	23.4	19.1	19.1	19.1	19.1	19.1	19.1
Rev A	23.4	23.4	23.4	23.4	23.4	23.4	19.1	19.1	19.1	19.1	19.1	19.1



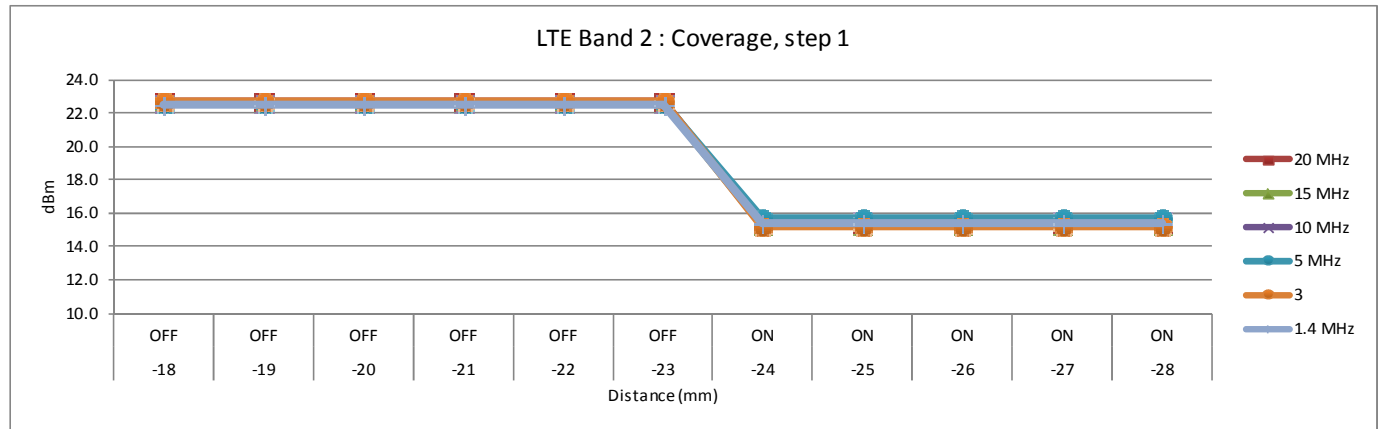
Coverage step 1, CDMA BC10 1xRTT												
Distance (mm):	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.4	23.4	23.4	23.4	23.4	23.4	18.9	18.9	18.9	18.9	18.9	18.9
RC3 SO 55	23.4	23.4	23.4	23.4	23.4	23.4	18.9	18.9	18.9	18.9	18.9	18.9
RC3 SO 32	23.5	23.5	23.5	23.5	23.5	23.5	19.1	19.1	19.1	19.1	19.1	19.1



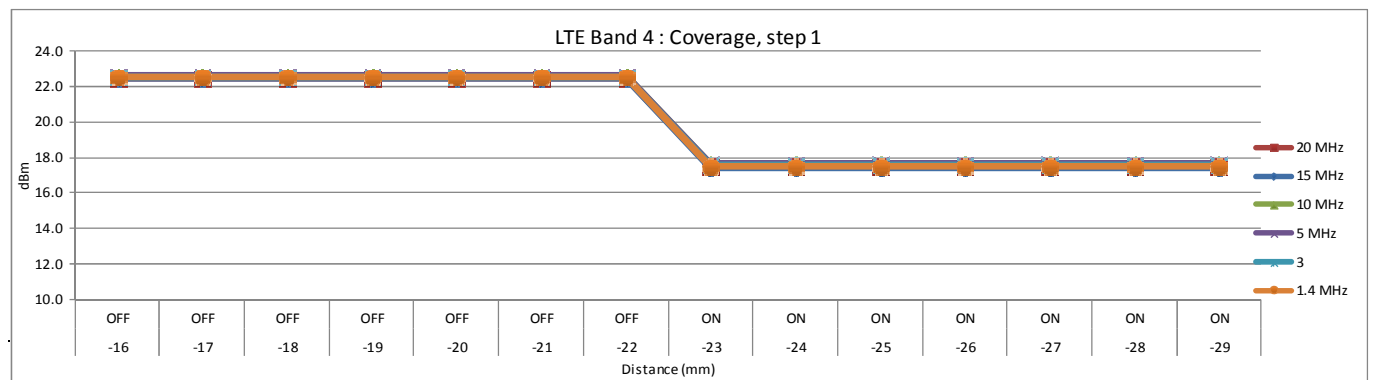
Coverage step 1, CDMA BC10 EVDO												
Distance (mm):	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
Rel. 0	23.3	23.3	23.3	23.3	23.3	23.3	19.0	19.0	19.0	19.0	19.0	19.0
Rev A	23.2	23.2	23.2	23.2	23.2	23.2	18.7	18.7	18.7	18.7	18.7	18.7



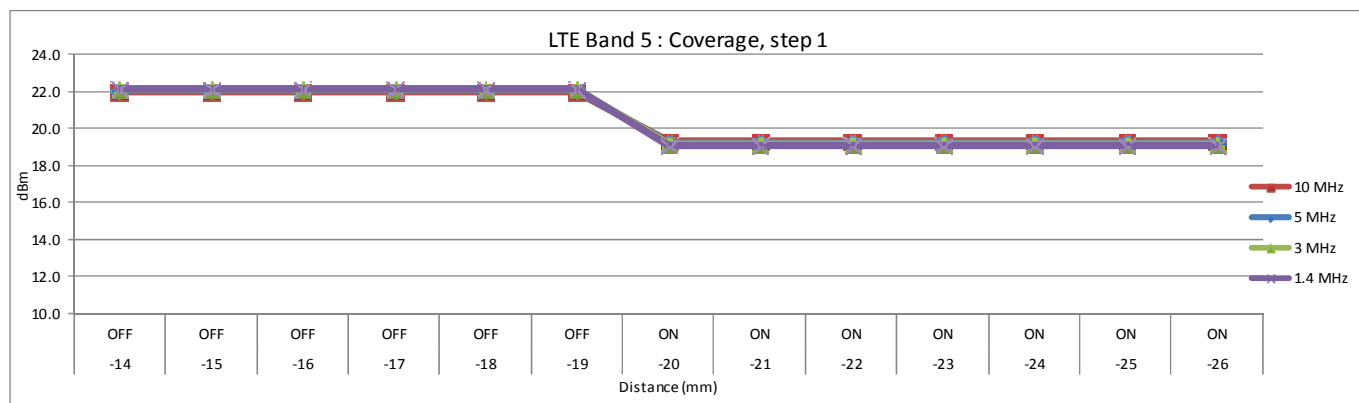
Coverage step 1, LTE Band 2											
Distance (mm):	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
20 MHz	22.7	22.7	22.7	22.7	22.7	22.7	15.3	15.3	15.3	15.3	15.3
15 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.3	15.3	15.3	15.3	15.3
10 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.5	15.5	15.5	15.5	15.5
5 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.7	15.7	15.7	15.7	15.7
3	22.7	22.7	22.7	22.7	22.7	22.7	15.2	15.2	15.2	15.2	15.2
1.4 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.4	15.4	15.4	15.4	15.4



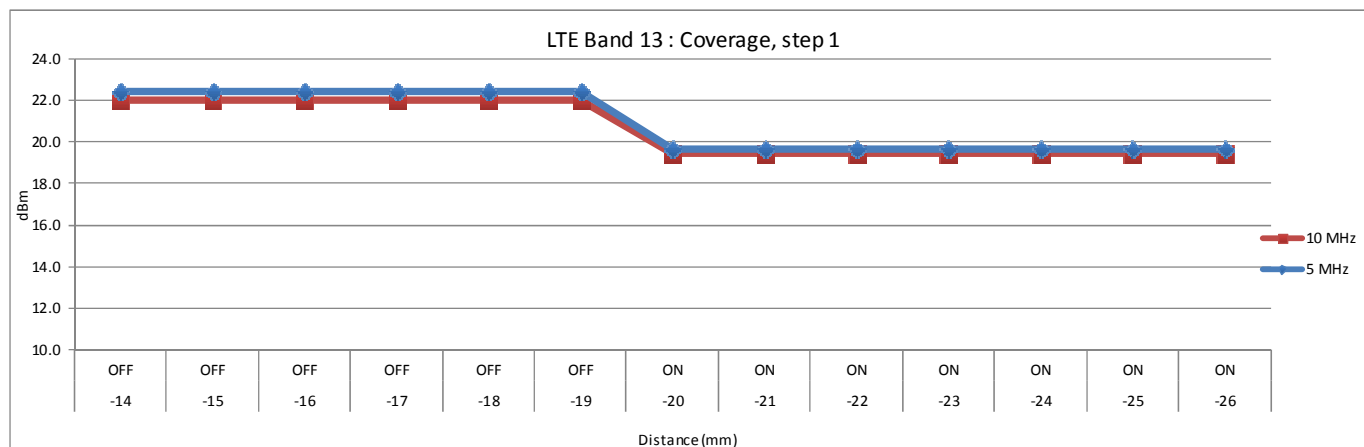
Coverage step 1, LTE Band 4														
Distance (mm):	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	-29
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
20 MHz	22.5	22.5	22.5	22.5	22.5	22.5	22.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
15 MHz	22.5	22.5	22.5	22.5	22.5	22.5	22.5	17.4	17.4	17.4	17.4	17.4	17.4	17.4
10 MHz	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
5 MHz	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7
3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
1.4 MHz	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.5	17.5	17.5	17.5	17.5	17.5	17.5



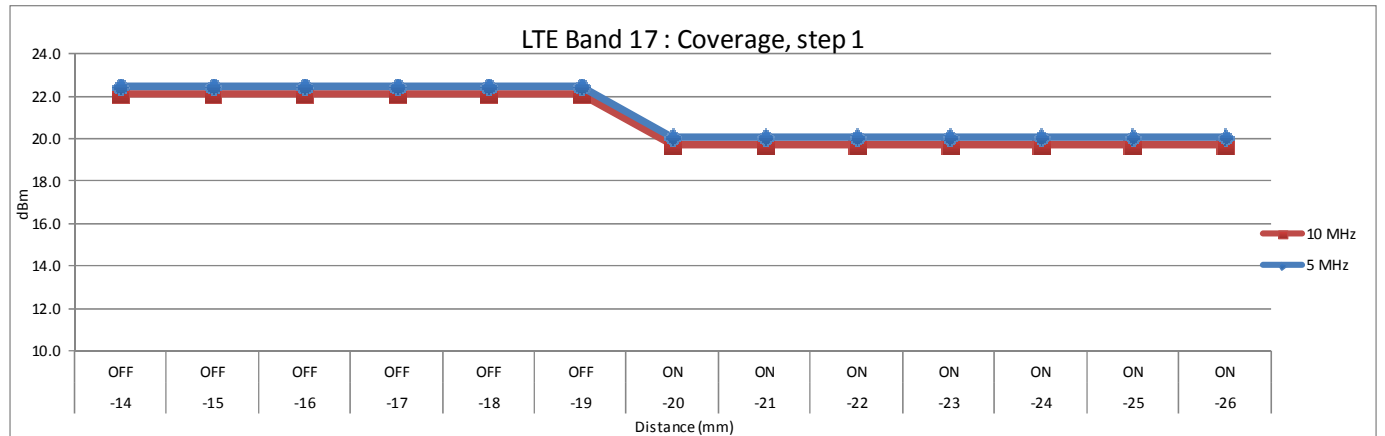
Coverage step 1, LTE Band 5													
Distance (mm):	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
10 MHz	22.0	22.0	22.0	22.0	22.0	22.0	19.3	19.3	19.3	19.3	19.3	19.3	19.3
5 MHz	22.0	22.0	22.0	22.0	22.0	22.0	19.3	19.3	19.3	19.3	19.3	19.3	19.3
3 MHz	22.2	22.2	22.2	22.2	22.2	22.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
1.4 MHz	22.1	22.1	22.1	22.1	22.1	22.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1



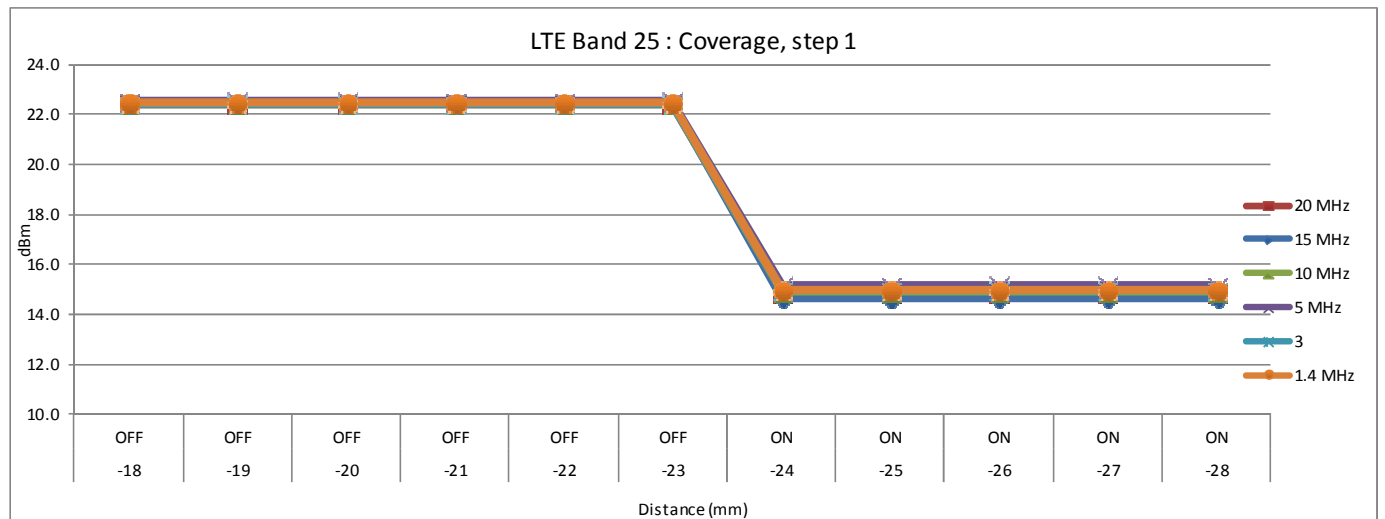
Coverage step 1, LTE Band 13													
Distance (mm):	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
10 MHz	22.0	22.0	22.0	22.0	22.0	22.0	19.4	19.4	19.4	19.4	19.4	19.4	19.4
5 MHz	22.5	22.5	22.5	22.5	22.5	22.5	19.7	19.7	19.7	19.7	19.7	19.7	19.7



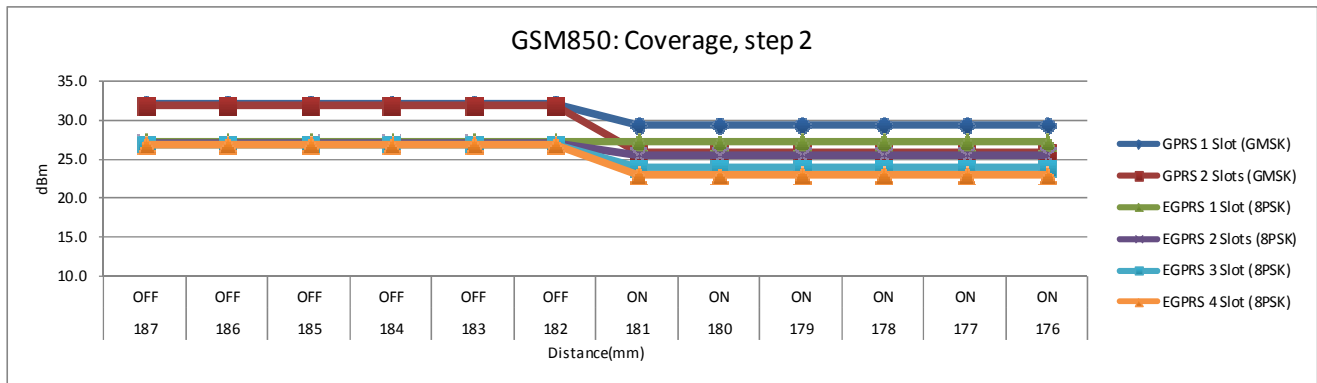
Coverage step 1, LTE Band 17													
Distance (mm):	-14	-15	-16	-17	-18	-19	-20	-21	-22	-23	-24	-25	-26
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
10 MHz	22.1	22.1	22.1	22.1	22.1	22.1	19.7	19.7	19.7	19.7	19.7	19.7	19.7
5 MHz	22.5	22.5	22.5	22.5	22.5	22.5	20.1	20.1	20.1	20.1	20.1	20.1	20.1



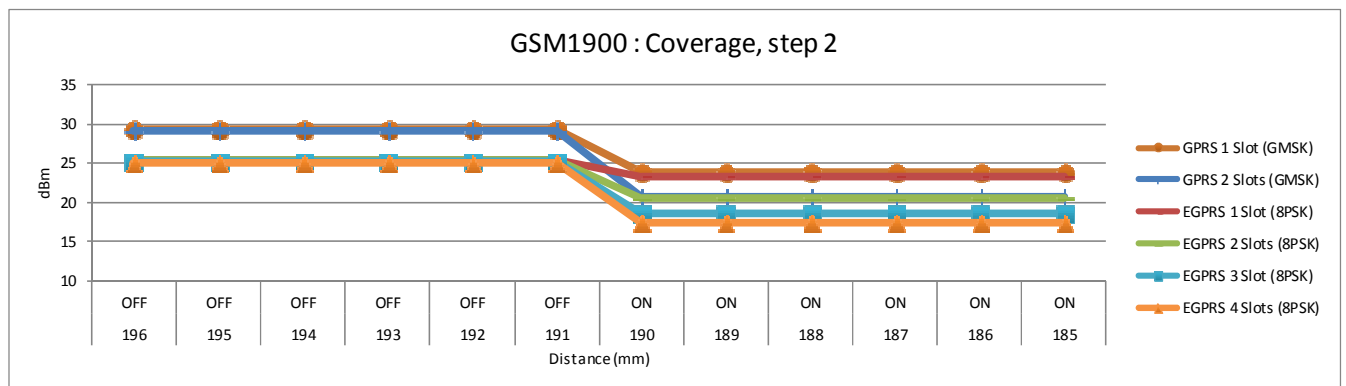
Coverage step 1, LTE Band 25												
Distance (mm):	-18	-19	-20	-21	-22	-23	-24	-25	-26	-27	-28	
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
20 MHz	22.4	22.4	22.4	22.4	22.4	22.4	14.9	14.9	14.9	14.9	14.9	14.9
15 MHz	22.5	22.5	22.5	22.5	22.5	22.5	14.7	14.7	14.7	14.7	14.7	14.7
10 MHz	22.4	22.4	22.4	22.4	22.4	22.4	14.9	14.9	14.9	14.9	14.9	14.9
5 MHz	22.5	22.5	22.5	22.5	22.5	22.5	15.2	15.2	15.2	15.2	15.2	15.2
3	22.4	22.4	22.4	22.4	22.4	22.4	15.0	15.0	15.0	15.0	15.0	15.0
1.4 MHz	22.5	22.5	22.5	22.5	22.5	22.5	15.0	15.0	15.0	15.0	15.0	15.0



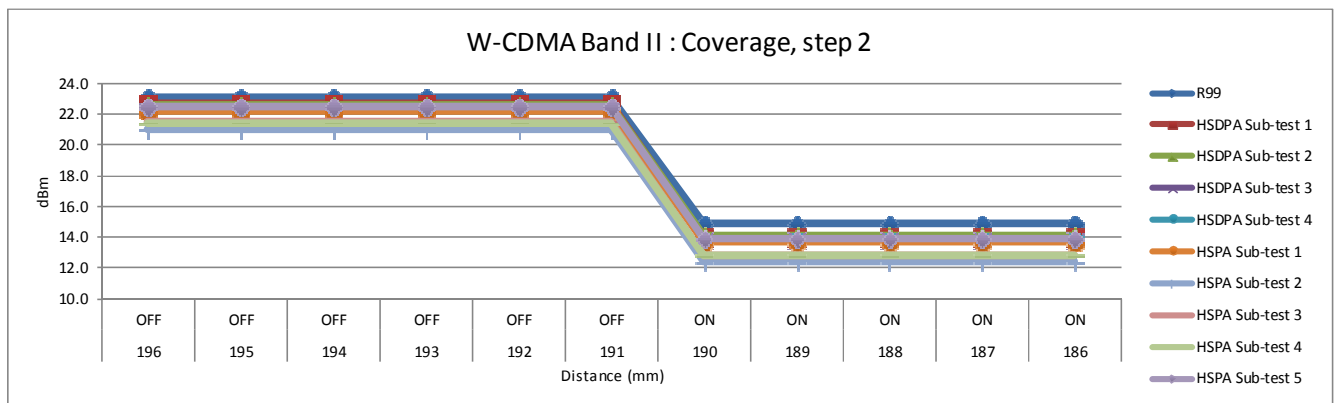
Coverage step 2, GSM850												
Distance (mm):	187	186	185	184	183	182	181	180	179	178	177	176
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
GPRS 1 Slot (GMSK)	32.1	32.1	32.1	32.1	32.1	32.1	29.4	29.4	29.4	29.4	29.4	29.4
GPRS 2 Slots (GMSK)	32.0	32.0	32.0	32.0	32.0	32.0	26.0	26.0	26.0	26.0	26.0	26.0
EGPRS 1 Slot (8PSK)	27.3	27.3	27.3	27.3	27.3	27.3	27.2	27.2	27.2	27.2	27.2	27.2
EGPRS 2 Slots (8PSK)	27.1	27.1	27.1	27.1	27.1	27.1	25.6	25.6	25.6	25.6	25.6	25.6
EGPRS 3 Slot (8PSK)	26.9	26.9	26.9	26.9	26.9	26.9	23.9	23.9	23.9	23.9	23.9	23.9
EGPRS 4 Slot (8PSK)	26.8	26.8	26.8	26.8	26.8	26.8	23.0	23.0	23.0	23.0	23.0	23.0



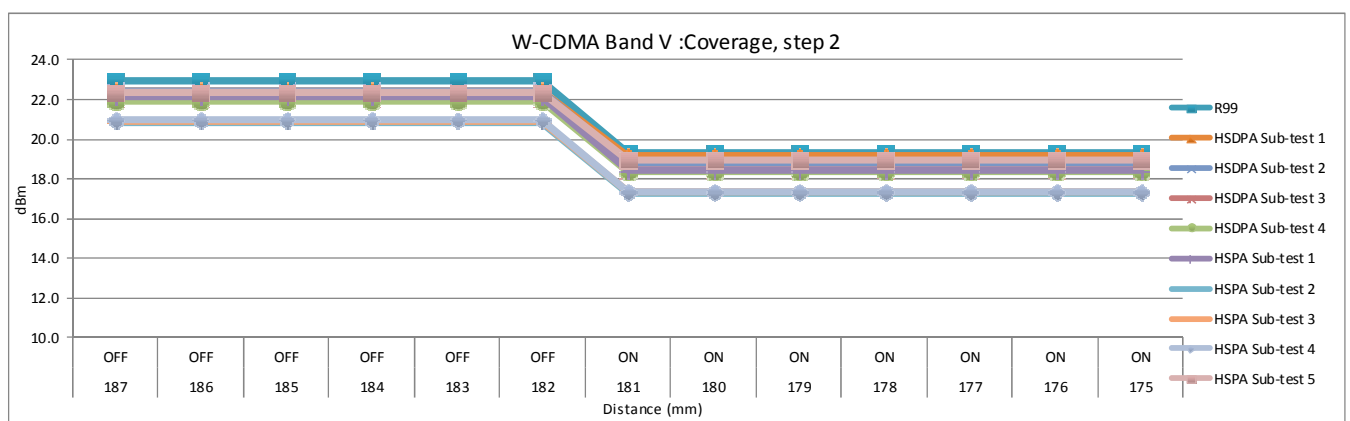
Coverage step 2, GSM1900												
Distance (mm):	196	195	194	193	192	191	190	189	188	187	186	185
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
GPRS 1 Slot (GMSK)	29.3	29.3	29.3	29.3	29.3	29.3	24.0	24.0	24.0	24.0	24.0	24.0
GPRS 2 Slots (GMSK)	29.2	29.2	29.2	29.2	29.2	29.2	20.8	20.8	20.8	20.8	20.8	20.8
EGPRS 1 Slot (8PSK)	25.5	25.5	25.5	25.5	25.5	25.5	23.3	23.3	23.3	23.3	23.3	23.3
EGPRS 2 Slots (8PSK)	25.3	25.3	25.3	25.3	25.3	25.3	20.6	20.6	20.6	20.6	20.6	20.6
EGPRS 3 Slot (8PSK)	25.2	25.2	25.2	25.2	25.2	25.2	18.6	18.6	18.6	18.6	18.6	18.6
EGPRS 4 Slots (8PSK)	25.1	25.1	25.1	25.1	25.1	25.1	17.5	17.5	17.5	17.5	17.5	17.5



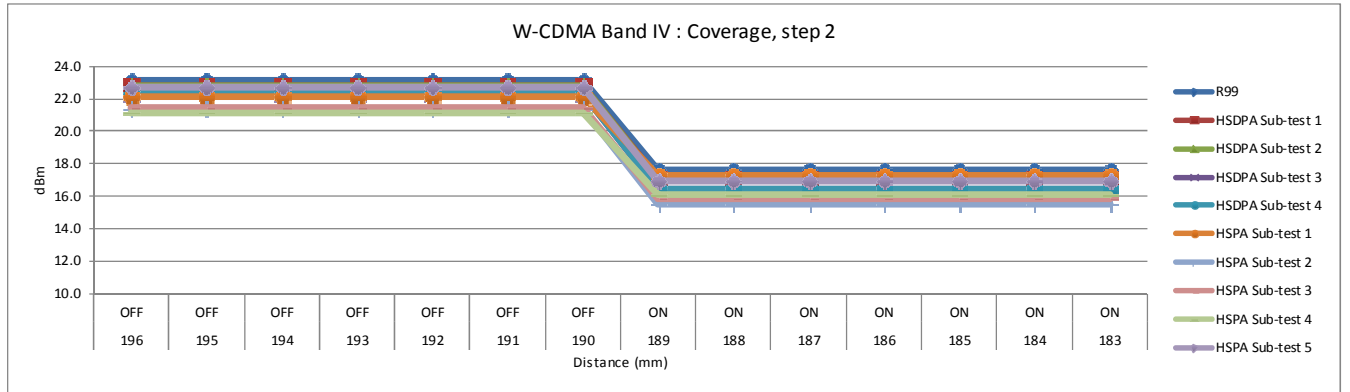
Coverage step 2, W-CDMA Band II											
Distance (mm):	196	195	194	193	192	191	190	189	188	187	186
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
R99	23.1	23.1	23.1	23.1	23.1	23.1	14.9	14.9	14.9	14.9	14.9
HSDPA Sub-test 1	22.7	22.7	22.7	22.7	22.7	22.7	14.0	14.0	14.0	14.0	14.0
HSDPA Sub-test 2	22.6	22.6	22.6	22.6	22.6	22.6	14.1	14.1	14.1	14.1	14.1
HSDPA Sub-test 3	22.2	22.2	22.2	22.2	22.2	22.2	13.8	13.8	13.8	13.8	13.8
HSDPA Sub-test 4	22.2	22.2	22.2	22.2	22.2	22.2	13.8	13.8	13.8	13.8	13.8
HSPA Sub-test 1	22.3	22.3	22.3	22.3	22.3	22.3	13.7	13.7	13.7	13.7	13.7
HSPA Sub-test 2	21.1	21.1	21.1	21.1	21.1	21.1	12.5	12.5	12.5	12.5	12.5
HSPA Sub-test 3	21.5	21.5	21.5	21.5	21.5	21.5	12.8	12.8	12.8	12.8	12.8
HSPA Sub-test 4	21.5	21.5	21.5	21.5	21.5	21.5	12.9	12.9	12.9	12.9	12.9
HSPA Sub-test 5	22.5	22.5	22.5	22.5	22.5	22.5	13.9	13.9	13.9	13.9	13.9



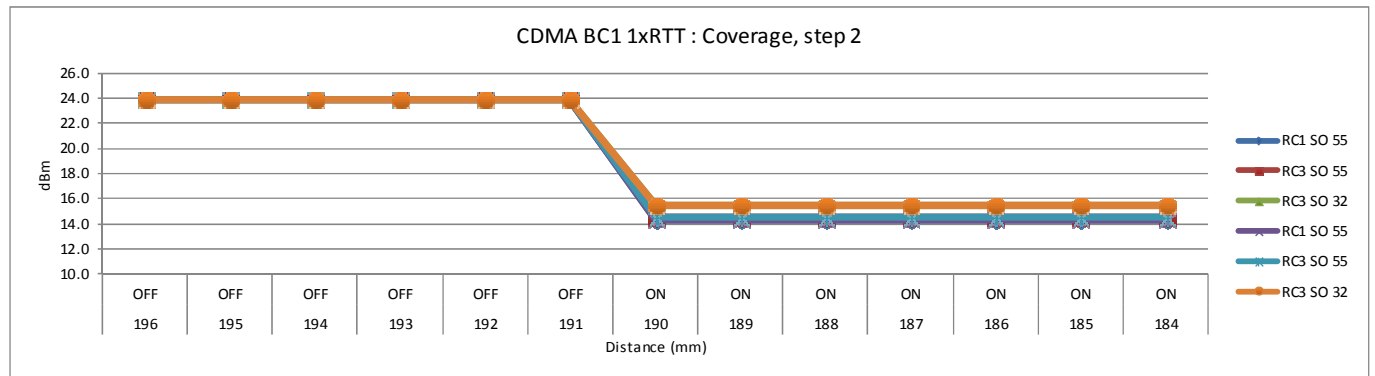
Coverage step 2, W-CDMA Band V													
Distance (mm):	187	186	185	184	183	182	181	180	179	178	177	176	175
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
R99	22.9	22.9	22.9	22.9	22.9	22.9	19.3	19.3	19.3	19.3	19.3	19.3	19.3
HSDPA Sub-test 1	22.4	22.4	22.4	22.4	22.4	22.4	19.2	19.2	19.2	19.2	19.2	19.2	19.2
HSDPA Sub-test 2	22.4	22.4	22.4	22.4	22.4	22.4	18.8	18.8	18.8	18.8	18.8	18.8	18.8
HSDPA Sub-test 3	22.1	22.1	22.1	22.1	22.1	22.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4
HSDPA Sub-test 4	22.0	22.0	22.0	22.0	22.0	22.0	18.3	18.3	18.3	18.3	18.3	18.3	18.3
HSPA Sub-test 1	22.1	22.1	22.1	22.1	22.1	22.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4
HSPA Sub-test 2	20.8	20.8	20.8	20.8	20.8	20.8	17.3	17.3	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 3	20.9	20.9	20.9	20.9	20.9	20.9	17.3	17.3	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 4	21.0	21.0	21.0	21.0	21.0	21.0	17.4	17.4	17.4	17.4	17.4	17.4	17.4
HSPA Sub-test 5	22.3	22.3	22.3	22.3	22.3	22.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0



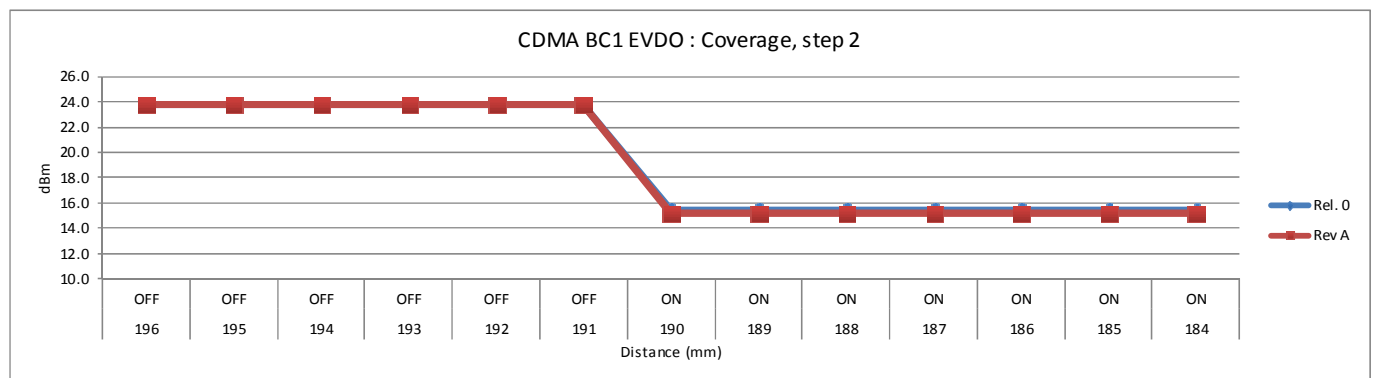
Coverage step 2, W-CDMA Band IV															
Distance (mm):	196	195	194	193	192	191	190	189	188	187	186	185	184	183	
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	
R99	23.2	23.2	23.2	23.2	23.2	23.2	23.2	17.6	17.6	17.6	17.6	17.6	17.6	17.6	
HSDPA Sub-test 1	22.8	22.8	22.8	22.8	22.8	22.8	22.8	17.1	17.1	17.1	17.1	17.1	17.1	17.1	
HSDPA Sub-test 2	22.8	22.8	22.8	22.8	22.8	22.8	22.8	17.0	17.0	17.0	17.0	17.0	17.0	17.0	
HSDPA Sub-test 3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5	
HSDPA Sub-test 4	22.3	22.3	22.3	22.3	22.3	22.3	22.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5	
HSPA Sub-test 1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	17.3	17.3	17.3	17.3	17.3	17.3	17.3	
HSPA Sub-test 2	21.4	21.4	21.4	21.4	21.4	21.4	21.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	
HSPA Sub-test 3	21.5	21.5	21.5	21.5	21.5	21.5	21.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9	
HSPA Sub-test 4	21.2	21.2	21.2	21.2	21.2	21.2	21.2	16.1	16.1	16.1	16.1	16.1	16.1	16.1	
HSPA Sub-test 5	22.7	22.7	22.7	22.7	22.7	22.7	22.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9	



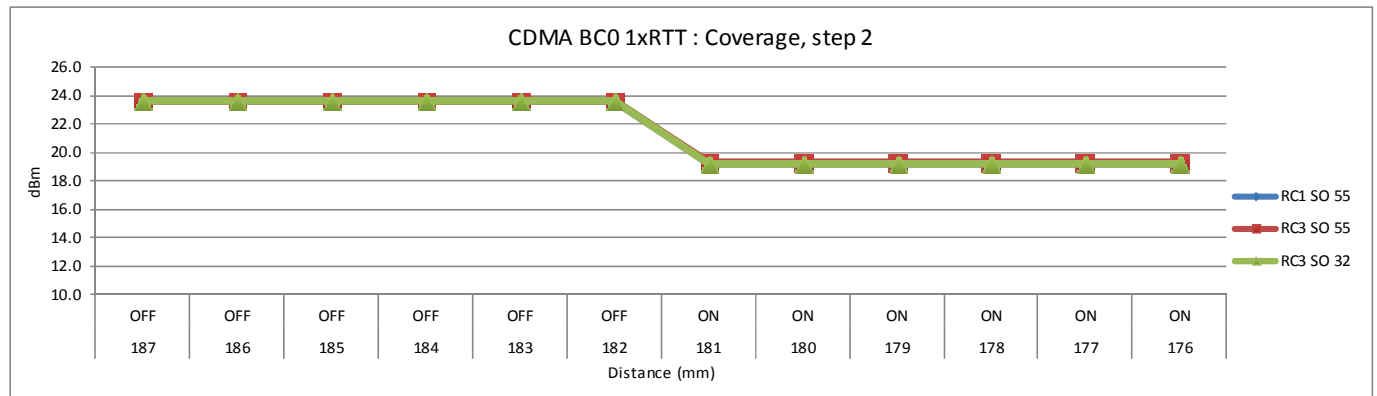
Coverage step 2, CDMA BC1 1xRTT													
Distance (mm):	196	195	194	193	192	191	190	189	188	187	186	185	184
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.9	23.9	23.9	23.9	23.9	23.9	14.3	14.3	14.3	14.3	14.3	14.3	14.3
RC3 SO 55	23.8	23.8	23.8	23.8	23.8	23.8	14.5	14.5	14.5	14.5	14.5	14.5	14.5
RC3 SO 32	23.9	23.9	23.9	23.9	23.9	23.9	15.5	15.5	15.5	15.5	15.5	15.5	15.5



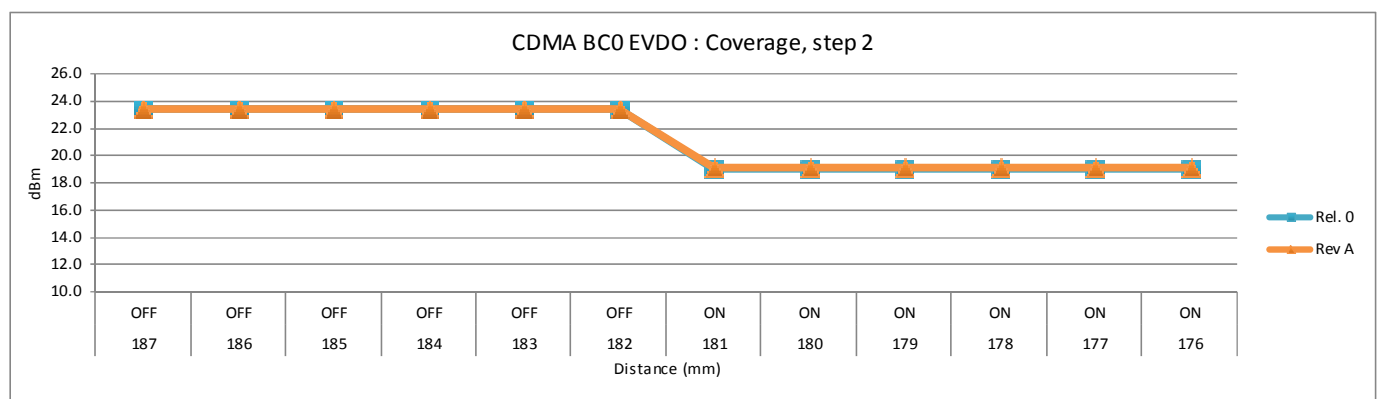
Coverage step 2, CDMA BC1 EVDO													
Distance (mm):	196	195	194	193	192	191	190	189	188	187	186	185	184
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
Rel. 0	23.8	23.8	23.8	23.8	23.8	23.8	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Rev A	23.8	23.8	23.8	23.8	23.8	23.8	15.2	15.2	15.2	15.2	15.2	15.2	15.2



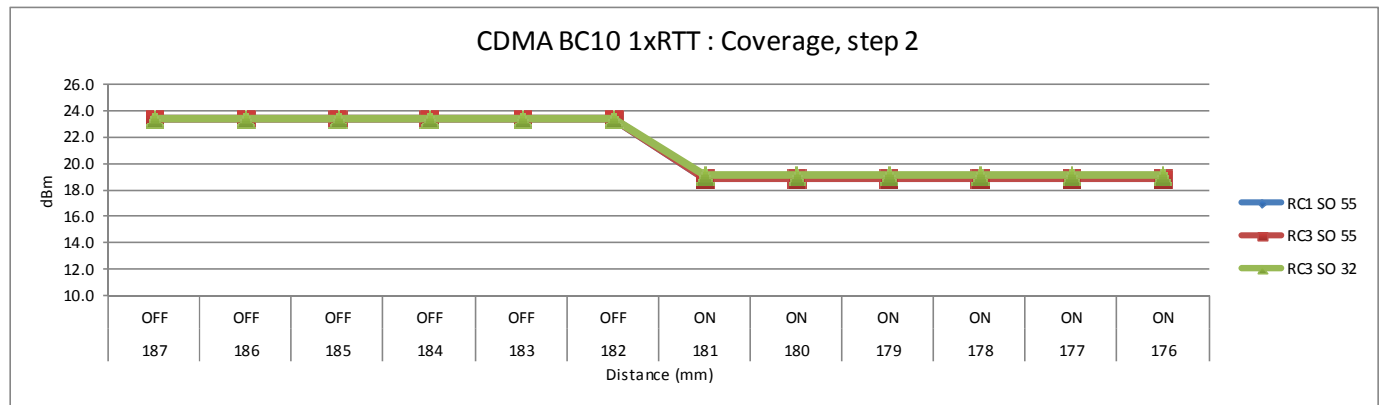
Coverage step 2, CDMA BC0 1xRTT												
Distance (mm):	187	186	185	184	183	182	181	180	179	178	177	176
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.6	23.6	23.6	23.6	23.6	23.6	19.2	19.2	19.2	19.2	19.2	19.2
RC3 SO 55	23.6	23.6	23.6	23.6	23.6	23.6	19.4	19.4	19.4	19.4	19.4	19.4
RC3 SO 32	23.6	23.6	23.6	23.6	23.6	23.6	19.2	19.2	19.2	19.2	19.2	19.2



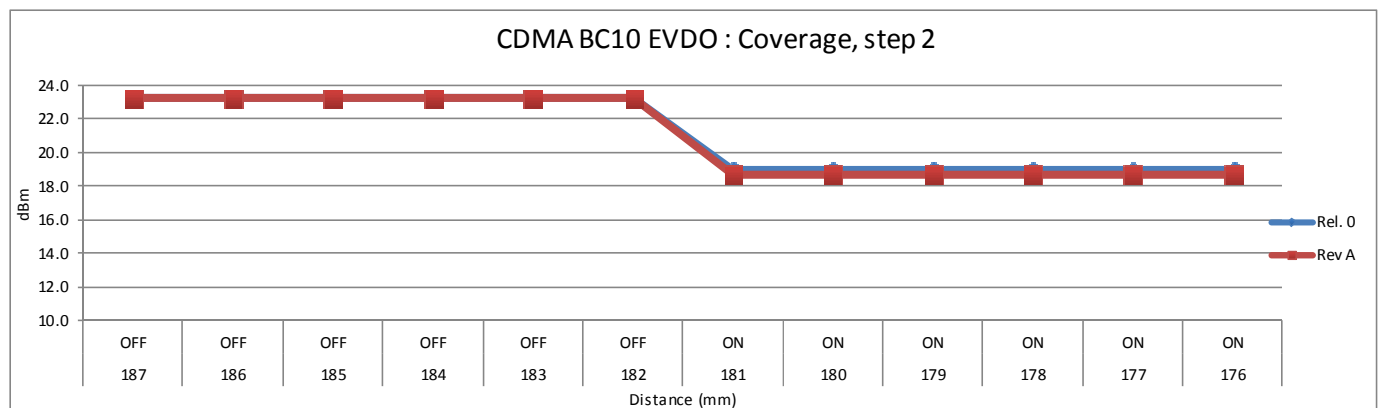
Coverage step 2, CDMA BC0 EVDO												
Distance (mm):	187	186	185	184	183	182	181	180	179	178	177	176
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
Rel. 0	23.4	23.4	23.4	23.4	23.4	23.4	19.1	19.1	19.1	19.1	19.1	19.1
Rev A	23.4	23.4	23.4	23.4	23.4	23.4	19.1	19.1	19.1	19.1	19.1	19.1



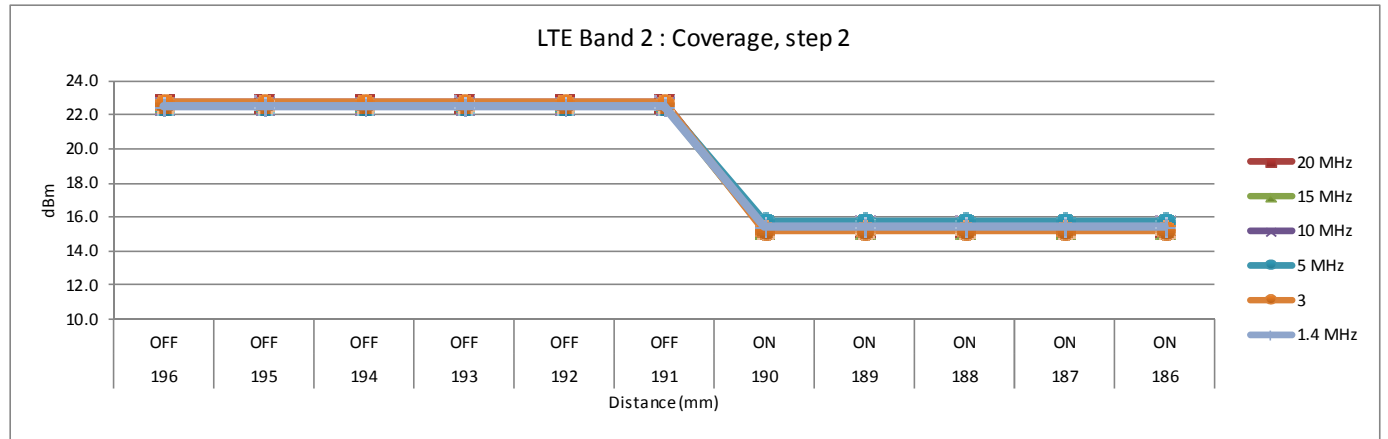
Coverage step 2, CDMA BC10 1xRTT												
Distance (mm):	187	186	185	184	183	182	181	180	179	178	177	176
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.4	23.4	23.4	23.4	23.4	23.4	18.9	18.9	18.9	18.9	18.9	18.9
RC3 SO 55	23.4	23.4	23.4	23.4	23.4	23.4	18.9	18.9	18.9	18.9	18.9	18.9
RC3 SO 32	23.5	23.5	23.5	23.5	23.5	23.5	19.1	19.1	19.1	19.1	19.1	19.1



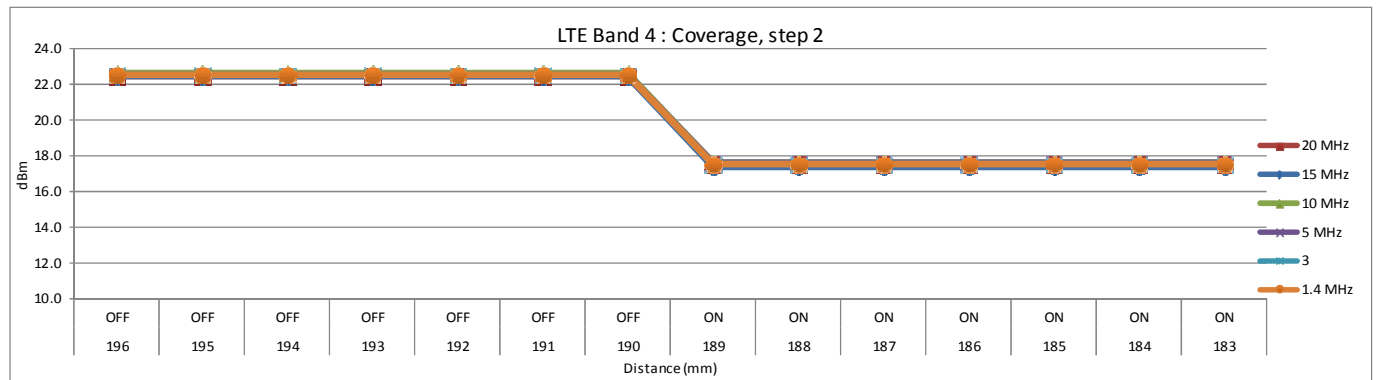
Coverage step 2, CDMA BC10 EVDO												
Distance (mm):	187	186	185	184	183	182	181	180	179	178	177	176
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
Rel. 0	23.3	23.3	23.3	23.3	23.3	23.3	19.0	19.0	19.0	19.0	19.0	19.0
Rev A	23.2	23.2	23.2	23.2	23.2	23.2	18.7	18.7	18.7	18.7	18.7	18.7



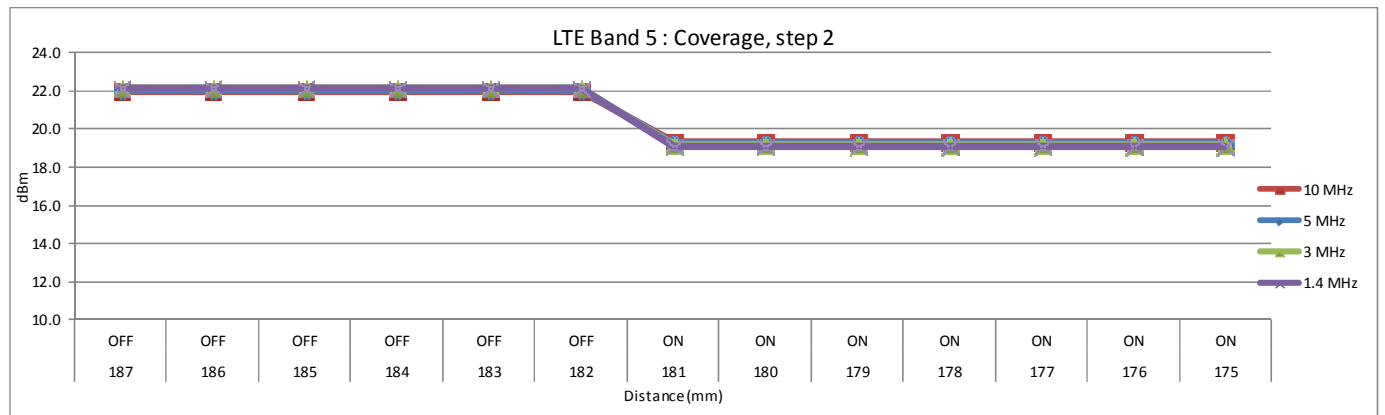
Coverage step 2, LTE Band 2											
Distance (mm):	196	195	194	193	192	191	190	189	188	187	186
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
20 MHz	22.7	22.7	22.7	22.7	22.7	22.7	15.3	15.3	15.3	15.3	15.3
15 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.3	15.3	15.3	15.3	15.3
10 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.5	15.5	15.5	15.5	15.5
5 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.7	15.7	15.7	15.7	15.7
3	22.7	22.7	22.7	22.7	22.7	22.7	15.2	15.2	15.2	15.2	15.2
1.4 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.4	15.4	15.4	15.4	15.4



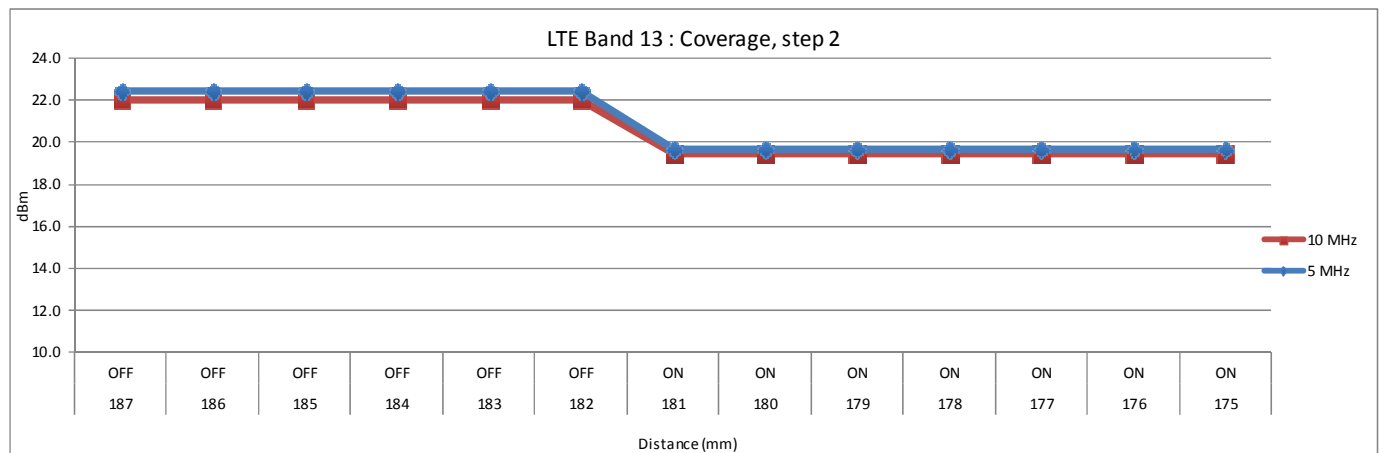
Coverage step 2, LTE Band 4															
Distance (mm):	196	195	194	193	192	191	190	189	188	187	186	185	184	183	
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	
20 MHz	22.5	22.5	22.5	22.5	22.5	22.5	22.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	
15 MHz	22.5	22.5	22.5	22.5	22.5	22.5	22.5	17.4	17.4	17.4	17.4	17.4	17.4	17.4	
10 MHz	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	
5 MHz	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7	
3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	
1.4 MHz	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.5	17.5	17.5	17.5	17.5	17.5	17.5	



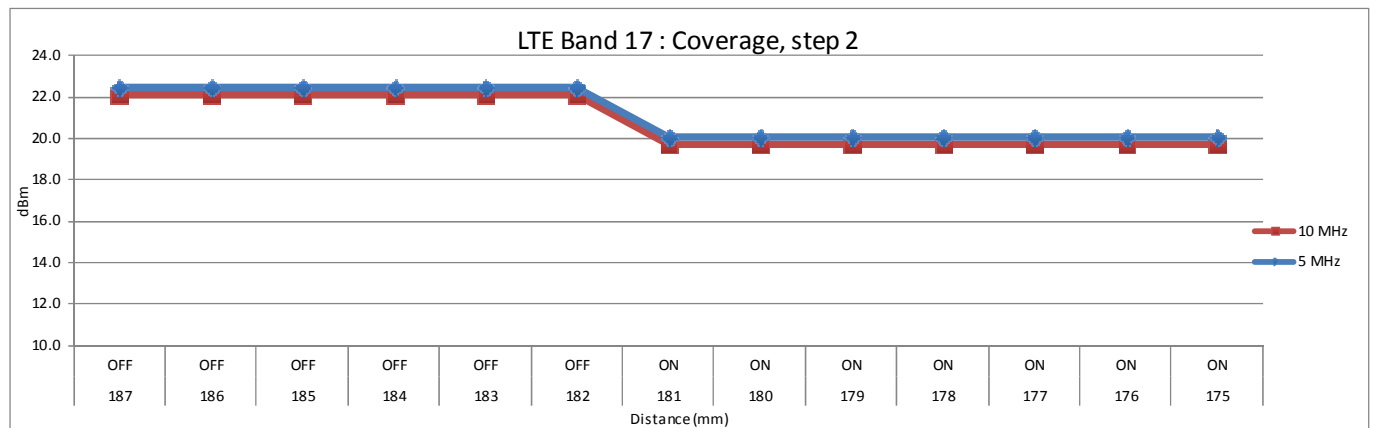
Coverage step 2, LTE Band 5													
Distance (mm):	187	186	185	184	183	182	181	180	179	178	177	176	175
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
10 MHz	22.0	22.0	22.0	22.0	22.0	22.0	19.3	19.3	19.3	19.3	19.3	19.3	19.3
5 MHz	22.0	22.0	22.0	22.0	22.0	22.0	19.3	19.3	19.3	19.3	19.3	19.3	19.3
3 MHz	22.2	22.2	22.2	22.2	22.2	22.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
1.4 MHz	22.1	22.1	22.1	22.1	22.1	22.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1



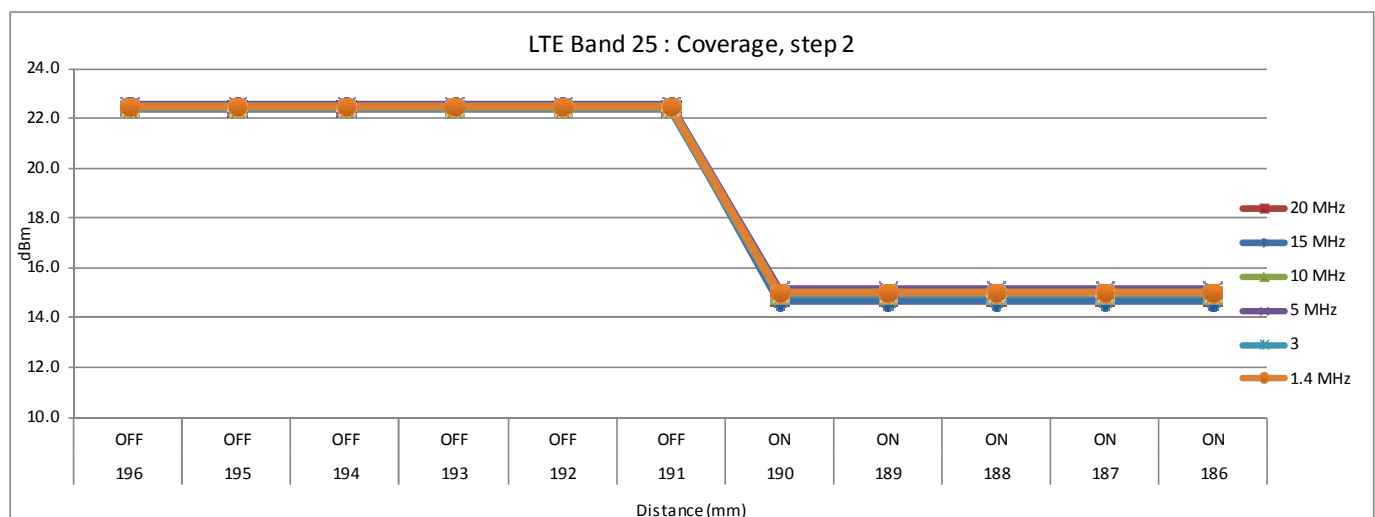
Coverage step 2, LTE Band 13													
Distance (mm):	187	186	185	184	183	182	181	180	179	178	177	176	175
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
10 MHz	22.0	22.0	22.0	22.0	22.0	22.0	19.4	19.4	19.4	19.4	19.4	19.4	19.4
5 MHz	22.5	22.5	22.5	22.5	22.5	22.5	19.7	19.7	19.7	19.7	19.7	19.7	19.7



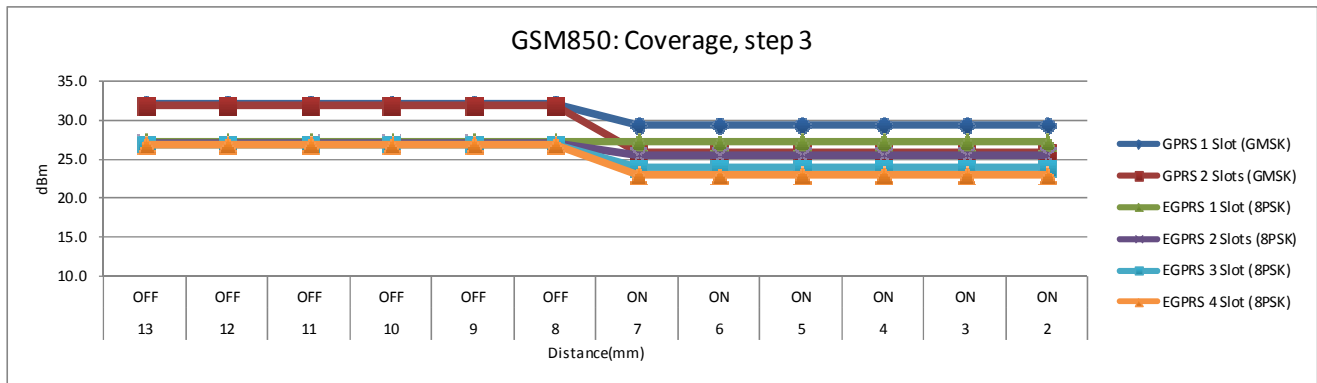
Coverage step 2, LTE Band 17													
Distance (mm):	187	186	185	184	183	182	181	180	179	178	177	176	175
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
10 MHz	22.1	22.1	22.1	22.1	22.1	22.1	19.7	19.7	19.7	19.7	19.7	19.7	19.7
5 MHz	22.5	22.5	22.5	22.5	22.5	22.5	20.1	20.1	20.1	20.1	20.1	20.1	20.1



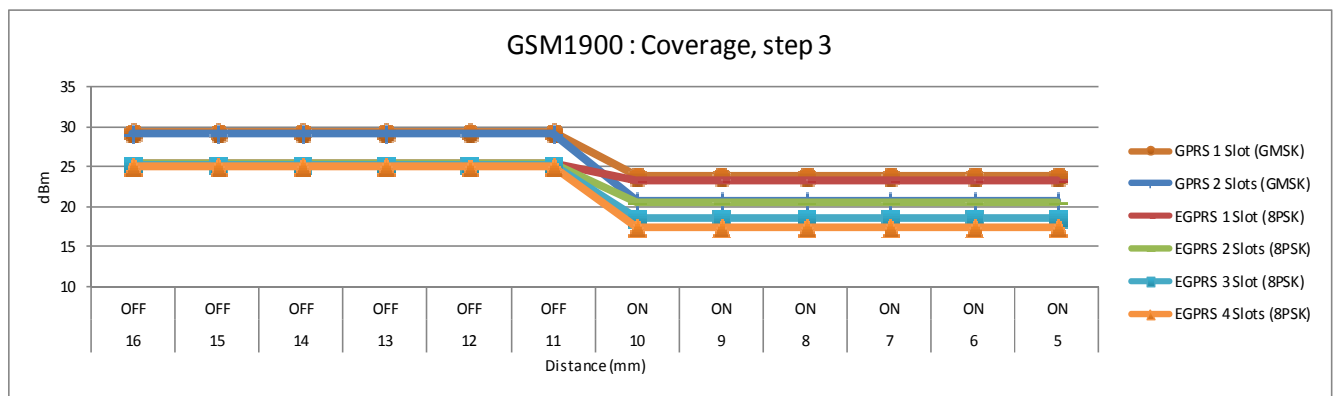
Coverage step 2, LTE Band 25											
Distance (mm):	196	195	194	193	192	191	190	189	188	187	186
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
20 MHz	22.4	22.4	22.4	22.4	22.4	22.4	14.9	14.9	14.9	14.9	14.9
15 MHz	22.5	22.5	22.5	22.5	22.5	22.5	14.7	14.7	14.7	14.7	14.7
10 MHz	22.4	22.4	22.4	22.4	22.4	22.4	14.9	14.9	14.9	14.9	14.9
5 MHz	22.5	22.5	22.5	22.5	22.5	22.5	15.2	15.2	15.2	15.2	15.2
3	22.4	22.4	22.4	22.4	22.4	22.4	15.0	15.0	15.0	15.0	15.0
1.4 MHz	22.5	22.5	22.5	22.5	22.5	22.5	15.0	15.0	15.0	15.0	15.0



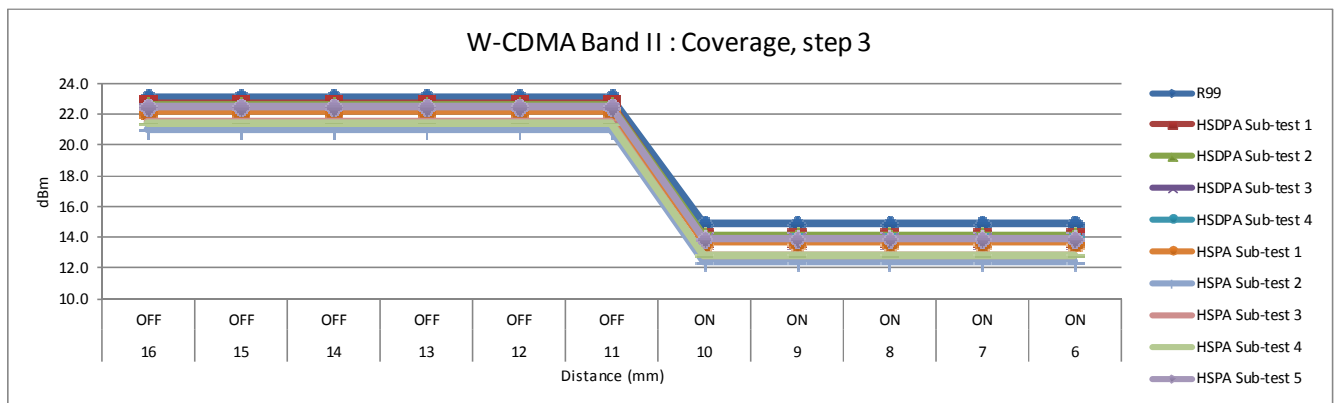
Coverage step 3, GSM850												
Distance (mm):	13	12	11	10	9	8	7	6	5	4	3	2
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
GPRS 1 Slot (GMSK)	32.1	32.1	32.1	32.1	32.1	32.1	29.4	29.4	29.4	29.4	29.4	29.4
GPRS 2 Slots (GMSK)	32.0	32.0	32.0	32.0	32.0	32.0	26.0	26.0	26.0	26.0	26.0	26.0
EGPRS 1 Slot (8PSK)	27.3	27.3	27.3	27.3	27.3	27.3	27.2	27.2	27.2	27.2	27.2	27.2
EGPRS 2 Slots (8PSK)	27.1	27.1	27.1	27.1	27.1	27.1	25.6	25.6	25.6	25.6	25.6	25.6
EGPRS 3 Slot (8PSK)	26.9	26.9	26.9	26.9	26.9	26.9	23.9	23.9	23.9	23.9	23.9	23.9
EGPRS 4 Slot (8PSK)	26.8	26.8	26.8	26.8	26.8	26.8	23.0	23.0	23.0	23.0	23.0	23.0



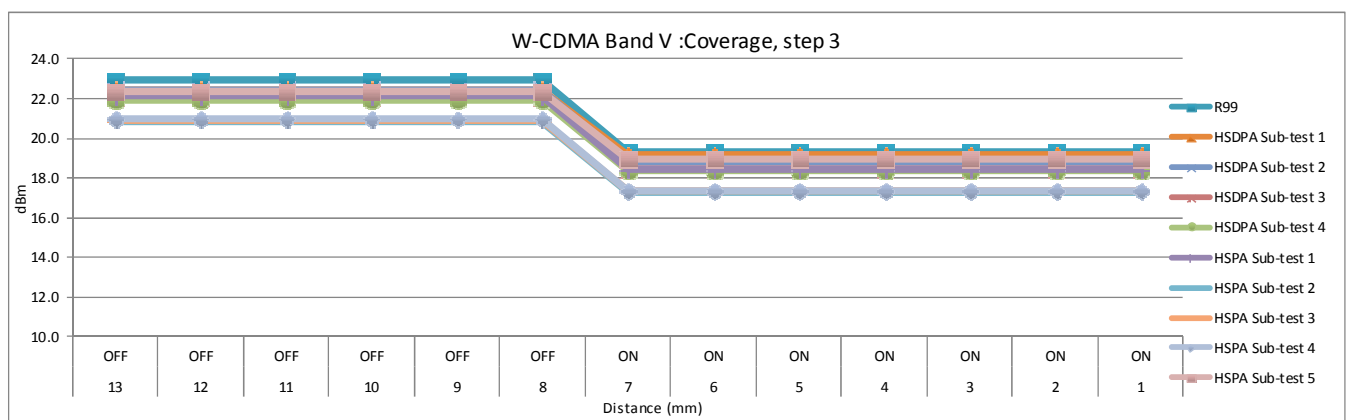
Coverage step 3, GSM1900												
Distance (mm):	16	15	14	13	12	11	10	9	8	7	6	5
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
GPRS 1 Slot (GMSK)	29.3	29.3	29.3	29.3	29.3	29.3	24.0	24.0	24.0	24.0	24.0	24.0
GPRS 2 Slots (GMSK)	29.2	29.2	29.2	29.2	29.2	29.2	20.8	20.8	20.8	20.8	20.8	20.8
EGPRS 1 Slot (8PSK)	25.5	25.5	25.5	25.5	25.5	25.5	23.3	23.3	23.3	23.3	23.3	23.3
EGPRS 2 Slots (8PSK)	25.3	25.3	25.3	25.3	25.3	25.3	20.6	20.6	20.6	20.6	20.6	20.6
EGPRS 3 Slot (8PSK)	25.2	25.2	25.2	25.2	25.2	25.2	18.6	18.6	18.6	18.6	18.6	18.6
EGPRS 4 Slots (8PSK)	25.1	25.1	25.1	25.1	25.1	25.1	17.5	17.5	17.5	17.5	17.5	17.5



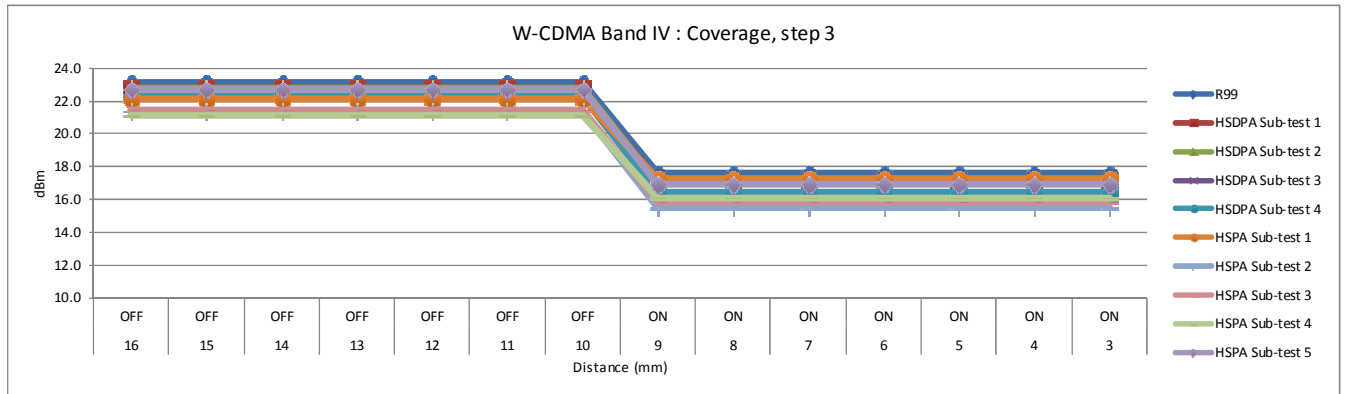
Coverage step 3, W-CDMA Band II											
Distance (mm):	16	15	14	13	12	11	10	9	8	7	6
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
R99	23.1	23.1	23.1	23.1	23.1	23.1	14.9	14.9	14.9	14.9	14.9
HSDPA Sub-test 1	22.7	22.7	22.7	22.7	22.7	22.7	14.0	14.0	14.0	14.0	14.0
HSDPA Sub-test 2	22.6	22.6	22.6	22.6	22.6	22.6	14.1	14.1	14.1	14.1	14.1
HSDPA Sub-test 3	22.2	22.2	22.2	22.2	22.2	22.2	13.8	13.8	13.8	13.8	13.8
HSDPA Sub-test 4	22.2	22.2	22.2	22.2	22.2	22.2	13.8	13.8	13.8	13.8	13.8
HSPA Sub-test 1	22.3	22.3	22.3	22.3	22.3	22.3	13.7	13.7	13.7	13.7	13.7
HSPA Sub-test 2	21.1	21.1	21.1	21.1	21.1	21.1	12.5	12.5	12.5	12.5	12.5
HSPA Sub-test 3	21.5	21.5	21.5	21.5	21.5	21.5	12.8	12.8	12.8	12.8	12.8
HSPA Sub-test 4	21.5	21.5	21.5	21.5	21.5	21.5	12.9	12.9	12.9	12.9	12.9
HSPA Sub-test 5	22.5	22.5	22.5	22.5	22.5	22.5	13.9	13.9	13.9	13.9	13.9



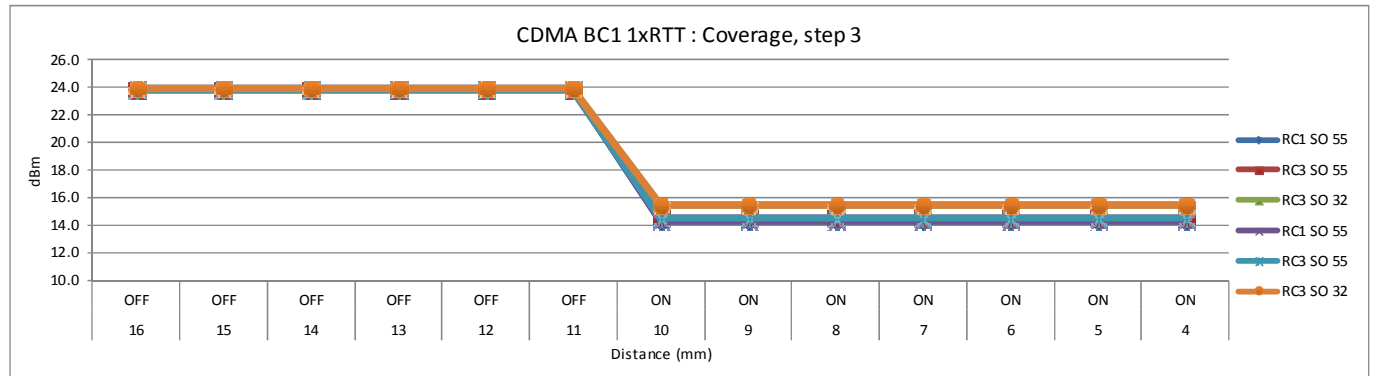
Coverage step 3, W-CDMA Band V													
Distance (mm):	13	12	11	10	9	8	7	6	5	4	3	2	1
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
R99	22.9	22.9	22.9	22.9	22.9	22.9	19.3	19.3	19.3	19.3	19.3	19.3	19.3
HSDPA Sub-test 1	22.4	22.4	22.4	22.4	22.4	22.4	19.2	19.2	19.2	19.2	19.2	19.2	19.2
HSDPA Sub-test 2	22.4	22.4	22.4	22.4	22.4	22.4	18.8	18.8	18.8	18.8	18.8	18.8	18.8
HSDPA Sub-test 3	22.1	22.1	22.1	22.1	22.1	22.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4
HSDPA Sub-test 4	22.0	22.0	22.0	22.0	22.0	22.0	18.3	18.3	18.3	18.3	18.3	18.3	18.3
HSPA Sub-test 1	22.1	22.1	22.1	22.1	22.1	22.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4
HSPA Sub-test 2	20.8	20.8	20.8	20.8	20.8	20.8	17.3	17.3	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 3	20.9	20.9	20.9	20.9	20.9	20.9	17.3	17.3	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 4	21.0	21.0	21.0	21.0	21.0	21.0	17.4	17.4	17.4	17.4	17.4	17.4	17.4
HSPA Sub-test 5	22.3	22.3	22.3	22.3	22.3	22.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0



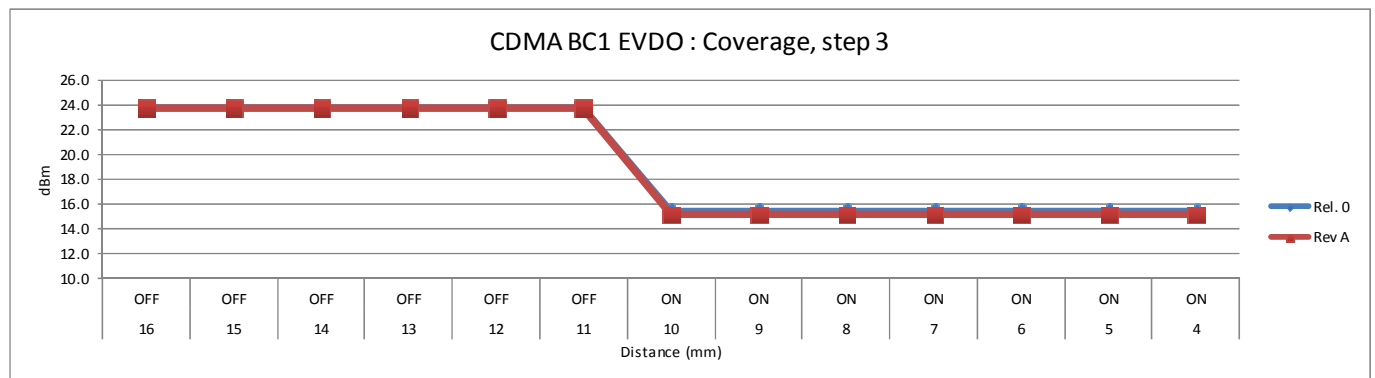
Coverage step 3, W-CDMA Band IV														
Distance (mm):	16	15	14	13	12	11	10	9	8	7	6	5	4	3
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
R99	23.2	23.2	23.2	23.2	23.2	23.2	23.2	17.6	17.6	17.6	17.6	17.6	17.6	17.6
HSDPA Sub-test 1	22.8	22.8	22.8	22.8	22.8	22.8	22.8	17.1	17.1	17.1	17.1	17.1	17.1	17.1
HSDPA Sub-test 2	22.8	22.8	22.8	22.8	22.8	22.8	22.8	17.0	17.0	17.0	17.0	17.0	17.0	17.0
HSDPA Sub-test 3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5
HSDPA Sub-test 4	22.3	22.3	22.3	22.3	22.3	22.3	22.3	16.5	16.5	16.5	16.5	16.5	16.5	16.5
HSPA Sub-test 1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	17.3	17.3	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 2	21.4	21.4	21.4	21.4	21.4	21.4	21.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5
HSPA Sub-test 3	21.5	21.5	21.5	21.5	21.5	21.5	21.5	15.9	15.9	15.9	15.9	15.9	15.9	15.9
HSPA Sub-test 4	21.2	21.2	21.2	21.2	21.2	21.2	21.2	16.1	16.1	16.1	16.1	16.1	16.1	16.1
HSPA Sub-test 5	22.7	22.7	22.7	22.7	22.7	22.7	22.7	16.9	16.9	16.9	16.9	16.9	16.9	16.9



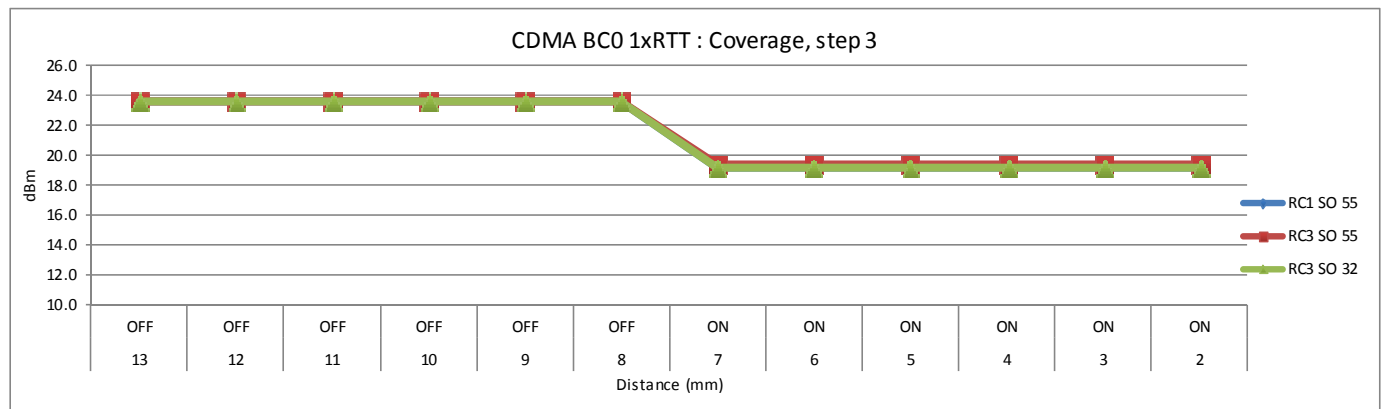
Coverage step 3, CDMA BC1 1xRTT													
Distance (mm):	16	15	14	13	12	11	10	9	8	7	6	5	4
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.9	23.9	23.9	23.9	23.9	23.9	14.3	14.3	14.3	14.3	14.3	14.3	14.3
RC3 SO 55	23.8	23.8	23.8	23.8	23.8	23.8	14.5	14.5	14.5	14.5	14.5	14.5	14.5
RC3 SO 32	23.9	23.9	23.9	23.9	23.9	23.9	15.5	15.5	15.5	15.5	15.5	15.5	15.5



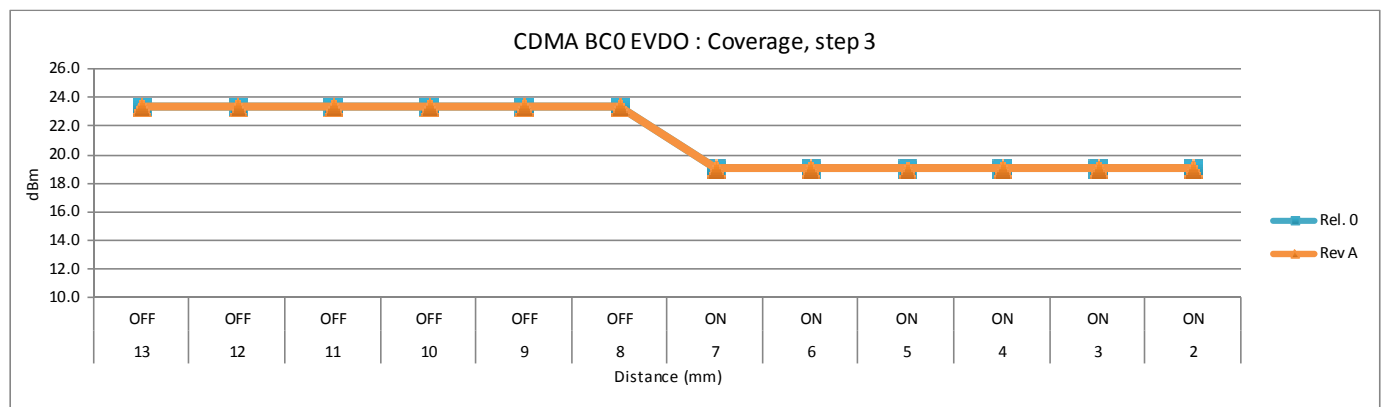
Coverage step 3, CDMA BC1 EVDO													
Distance (mm):	16	15	14	13	12	11	10	9	8	7	6	5	4
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
Rel. 0	23.8	23.8	23.8	23.8	23.8	23.8	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Rev A	23.8	23.8	23.8	23.8	23.8	23.8	15.2	15.2	15.2	15.2	15.2	15.2	15.2



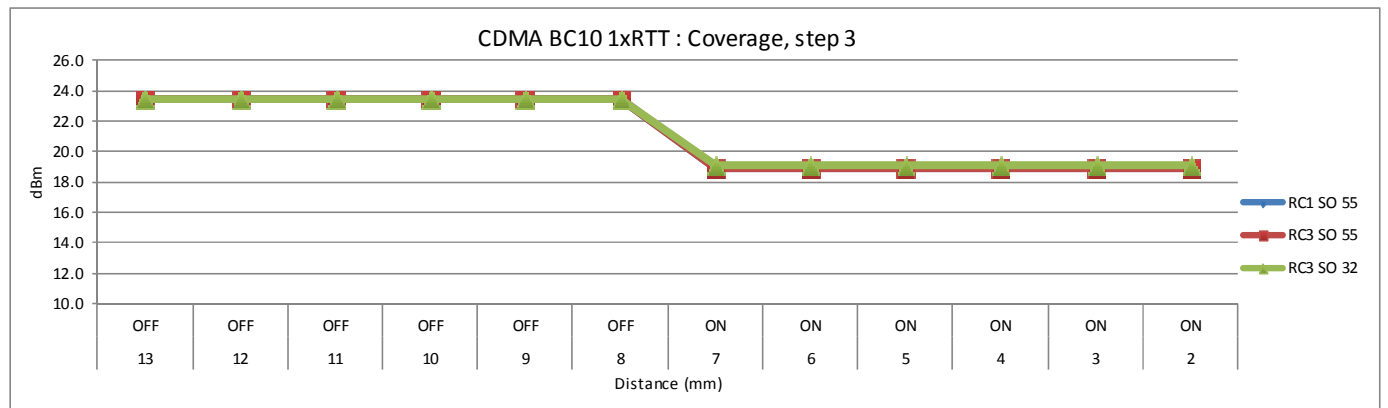
Coverage step 3, CDMA BC0 1xRTT												
Distance (mm):	13	12	11	10	9	8	7	6	5	4	3	2
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.6	23.6	23.6	23.6	23.6	23.6	19.2	19.2	19.2	19.2	19.2	19.2
RC3 SO 55	23.6	23.6	23.6	23.6	23.6	23.6	19.4	19.4	19.4	19.4	19.4	19.4
RC3 SO 32	23.6	23.6	23.6	23.6	23.6	23.6	19.2	19.2	19.2	19.2	19.2	19.2



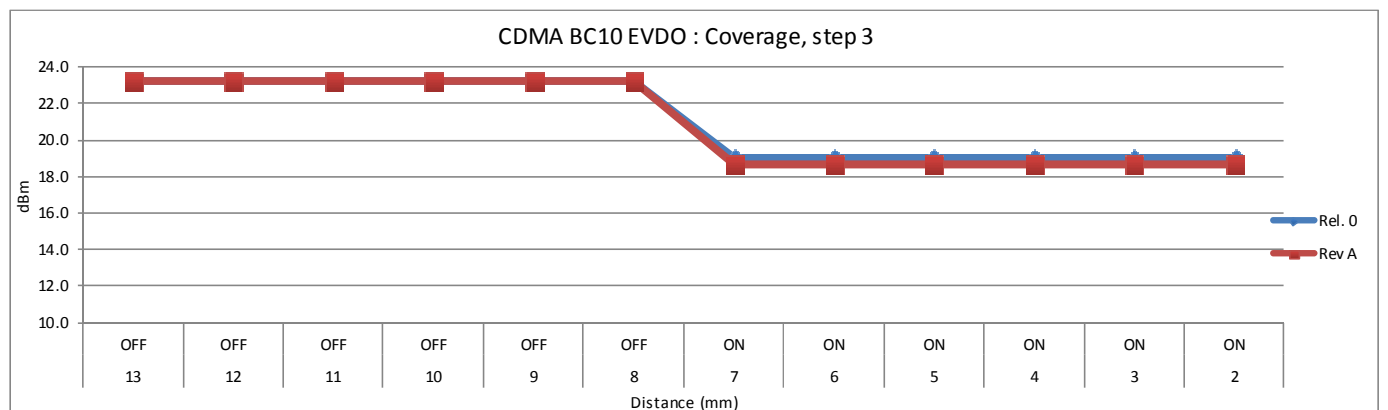
Coverage step 3, CDMA BC0 EVDO												
Distance (mm):	13	12	11	10	9	8	7	6	5	4	3	2
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
Rel. 0	23.4	23.4	23.4	23.4	23.4	23.4	19.1	19.1	19.1	19.1	19.1	19.1
Rev A	23.4	23.4	23.4	23.4	23.4	23.4	19.1	19.1	19.1	19.1	19.1	19.1



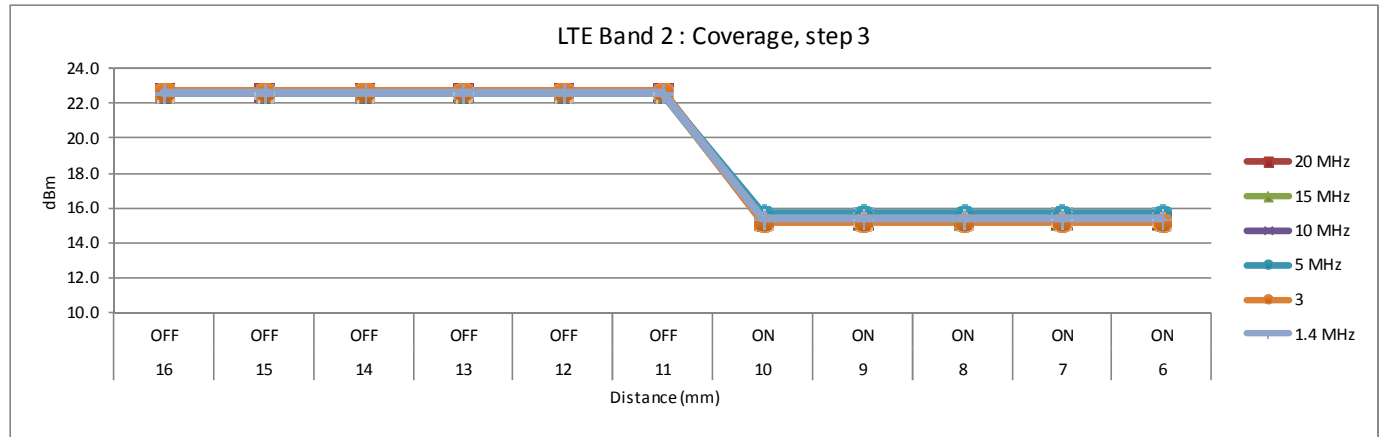
Coverage step 3, CDMA BC10 1xRTT												
Distance (mm):	13	12	11	10	9	8	7	6	5	4	3	2
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.4	23.4	23.4	23.4	23.4	23.4	18.9	18.9	18.9	18.9	18.9	18.9
RC3 SO 55	23.4	23.4	23.4	23.4	23.4	23.4	18.9	18.9	18.9	18.9	18.9	18.9
RC3 SO 32	23.5	23.5	23.5	23.5	23.5	23.5	19.1	19.1	19.1	19.1	19.1	19.1



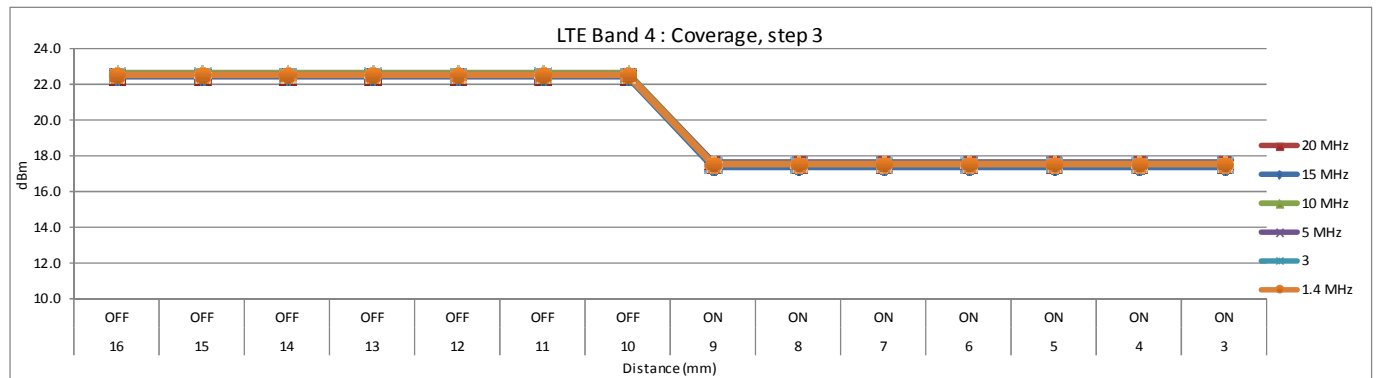
Coverage step 3, CDMA BC10 EVDO												
Distance (mm):	13	12	11	10	9	8	7	6	5	4	3	2
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
Rel. 0	23.3	23.3	23.3	23.3	23.3	23.3	19.0	19.0	19.0	19.0	19.0	19.0
Rev A	23.2	23.2	23.2	23.2	23.2	23.2	18.7	18.7	18.7	18.7	18.7	18.7



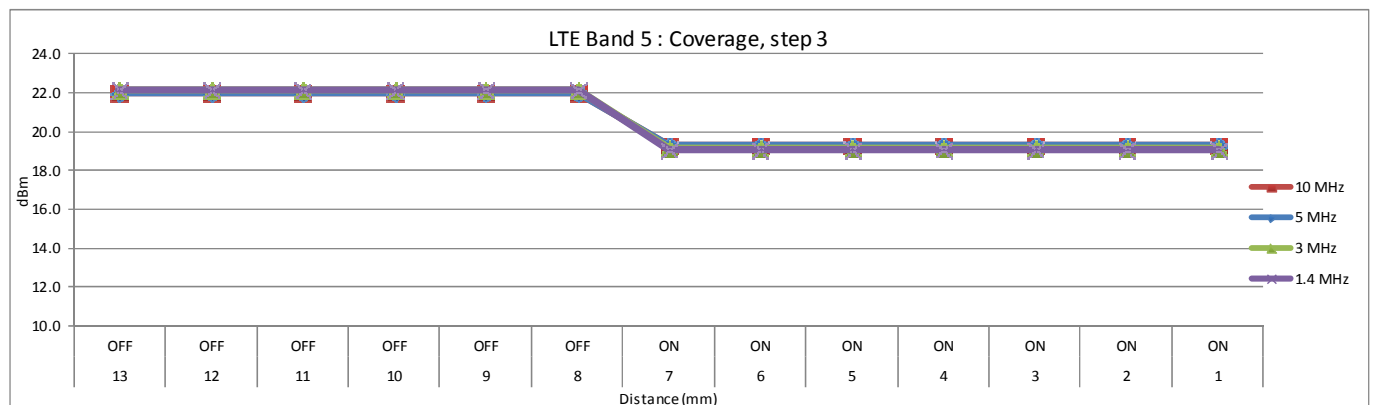
Coverage step 3, LTE Band 2											
Distance (mm):	16	15	14	13	12	11	10	9	8	7	6
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
20 MHz	22.7	22.7	22.7	22.7	22.7	22.7	15.3	15.3	15.3	15.3	15.3
15 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.3	15.3	15.3	15.3	15.3
10 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.5	15.5	15.5	15.5	15.5
5 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.7	15.7	15.7	15.7	15.7
3	22.7	22.7	22.7	22.7	22.7	22.7	15.2	15.2	15.2	15.2	15.2
1.4 MHz	22.6	22.6	22.6	22.6	22.6	22.6	15.4	15.4	15.4	15.4	15.4



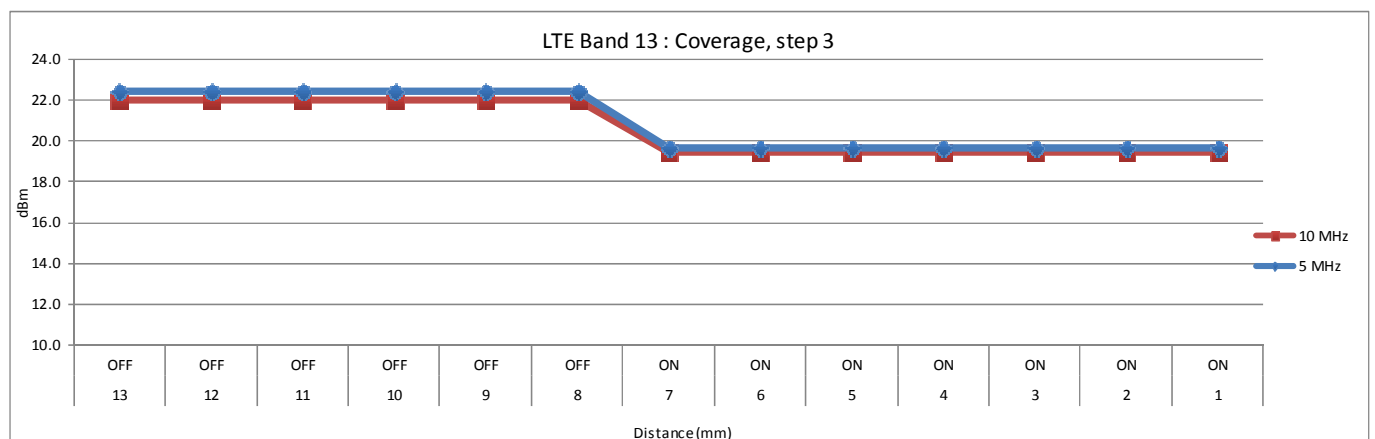
Coverage step 3, LTE Band 4														
Distance (mm):	16	15	14	13	12	11	10	9	8	7	6	5	4	3
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
20 MHz	22.5	22.5	22.5	22.5	22.5	22.5	22.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
15 MHz	22.5	22.5	22.5	22.5	22.5	22.5	22.5	17.4	17.4	17.4	17.4	17.4	17.4	17.4
10 MHz	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
5 MHz	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7
3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
1.4 MHz	22.6	22.6	22.6	22.6	22.6	22.6	22.6	17.5	17.5	17.5	17.5	17.5	17.5	17.5



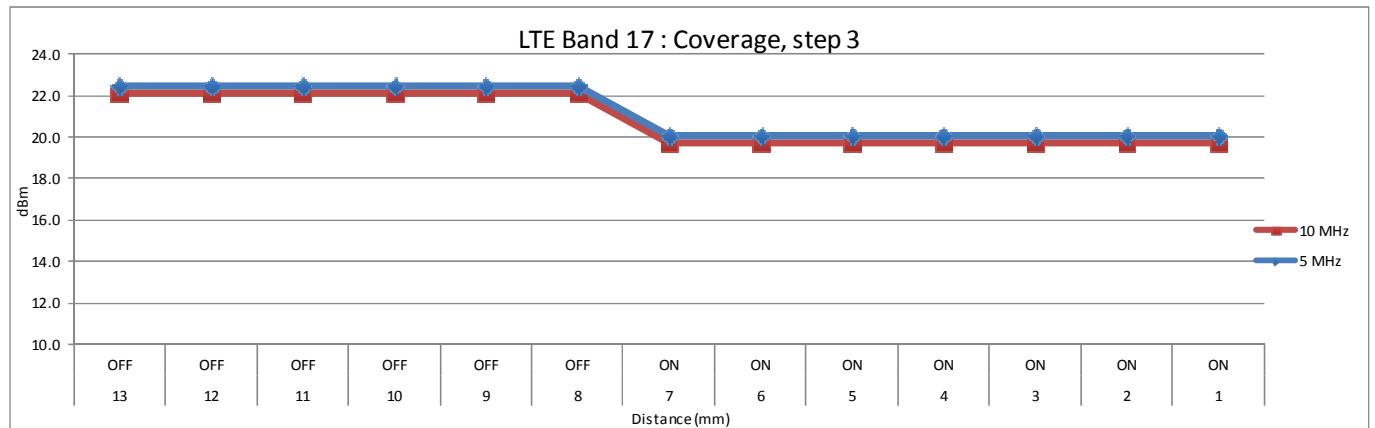
Coverage step 3, LTE Band 5													
Distance (mm):	13	12	11	10	9	8	7	6	5	4	3	2	1
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
10 MHz	22.0	22.0	22.0	22.0	22.0	22.0	19.3	19.3	19.3	19.3	19.3	19.3	19.3
5 MHz	22.0	22.0	22.0	22.0	22.0	22.0	19.3	19.3	19.3	19.3	19.3	19.3	19.3
3 MHz	22.2	22.2	22.2	22.2	22.2	22.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
1.4 MHz	22.1	22.1	22.1	22.1	22.1	22.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1



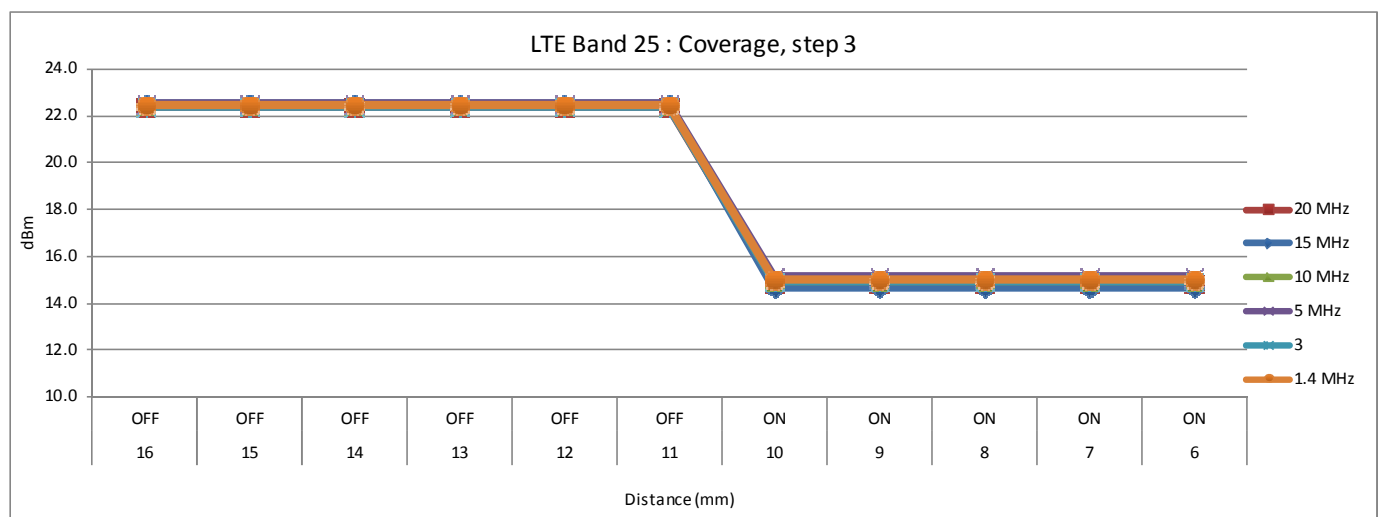
Coverage step 3, LTE Band 13													
Distance (mm):	13	12	11	10	9	8	7	6	5	4	3	2	1
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
10 MHz	22.0	22.0	22.0	22.0	22.0	22.0	19.4	19.4	19.4	19.4	19.4	19.4	19.4
5 MHz	22.5	22.5	22.5	22.5	22.5	22.5	19.7	19.7	19.7	19.7	19.7	19.7	19.7



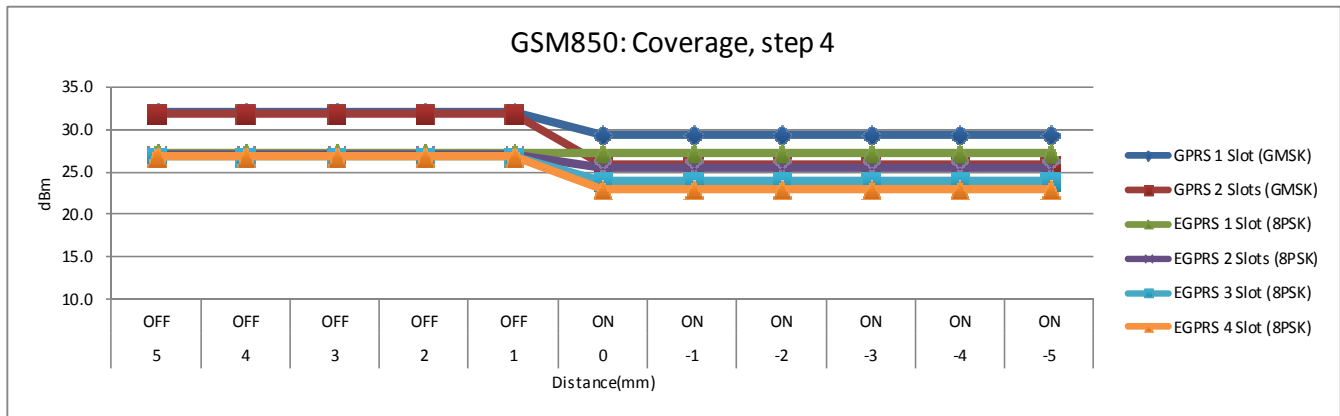
Coverage step 3, LTE Band 17													
Distance (mm):	13	12	11	10	9	8	7	6	5	4	3	2	1
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
10 MHz	22.1	22.1	22.1	22.1	22.1	22.1	19.7	19.7	19.7	19.7	19.7	19.7	19.7
5 MHz	22.5	22.5	22.5	22.5	22.5	22.5	20.1	20.1	20.1	20.1	20.1	20.1	20.1



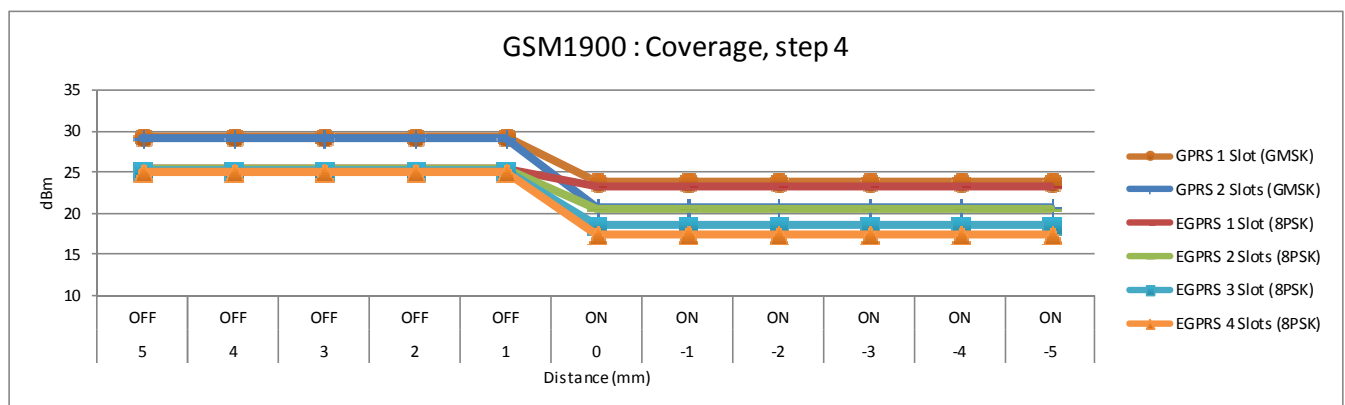
Coverage step 3, LTE Band 25											
Distance (mm):	16	15	14	13	12	11	10	9	8	7	6
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
20 MHz	22.4	22.4	22.4	22.4	22.4	22.4	14.9	14.9	14.9	14.9	14.9
15 MHz	22.5	22.5	22.5	22.5	22.5	22.5	14.7	14.7	14.7	14.7	14.7
10 MHz	22.4	22.4	22.4	22.4	22.4	22.4	14.9	14.9	14.9	14.9	14.9
5 MHz	22.5	22.5	22.5	22.5	22.5	22.5	15.2	15.2	15.2	15.2	15.2
3	22.4	22.4	22.4	22.4	22.4	22.4	15.0	15.0	15.0	15.0	15.0
1.4 MHz	22.5	22.5	22.5	22.5	22.5	22.5	15.0	15.0	15.0	15.0	15.0



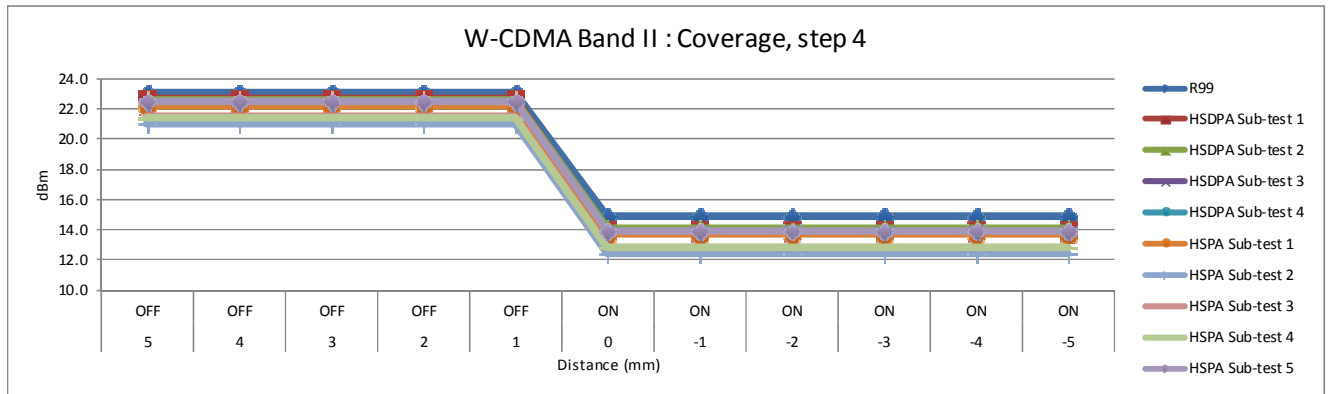
Coverage step 4, GSM850											
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
GPRS 1 Slot (GMSK)	32.1	32.1	32.1	32.1	32.1	29.4	29.4	29.4	29.4	29.4	29.4
GPRS 2 Slots (GMSK)	32.0	32.0	32.0	32.0	32.0	26.0	26.0	26.0	26.0	26.0	26.0
EGPRS 1 Slot (8PSK)	27.3	27.3	27.3	27.3	27.3	27.2	27.2	27.2	27.2	27.2	27.2
EGPRS 2 Slots (8PSK)	27.1	27.1	27.1	27.1	27.1	25.6	25.6	25.6	25.6	25.6	25.6
EGPRS 3 Slot (8PSK)	26.9	26.9	26.9	26.9	26.9	23.9	23.9	23.9	23.9	23.9	23.9
EGPRS 4 Slot (8PSK)	26.8	26.8	26.8	26.8	26.8	23.0	23.0	23.0	23.0	23.0	23.0



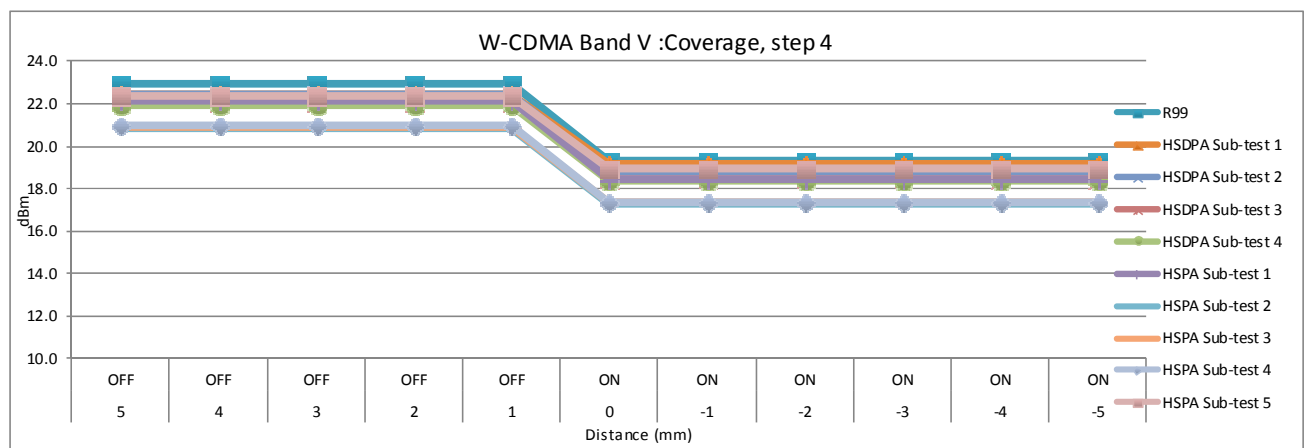
Coverage step 4, GSM1900											
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
GPRS 1 Slot (GMSK)	29.3	29.3	29.3	29.3	29.3	24.0	24.0	24.0	24.0	24.0	24.0
GPRS 2 Slots (GMSK)	29.2	29.2	29.2	29.2	29.2	20.8	20.8	20.8	20.8	20.8	20.8
EGPRS 1 Slot (8PSK)	25.5	25.5	25.5	25.5	25.5	23.3	23.3	23.3	23.3	23.3	23.3
EGPRS 2 Slots (8PSK)	25.3	25.3	25.3	25.3	25.3	20.6	20.6	20.6	20.6	20.6	20.6
EGPRS 3 Slot (8PSK)	25.2	25.2	25.2	25.2	25.2	18.6	18.6	18.6	18.6	18.6	18.6
EGPRS 4 Slots (8PSK)	25.1	25.1	25.1	25.1	25.1	17.5	17.5	17.5	17.5	17.5	17.5



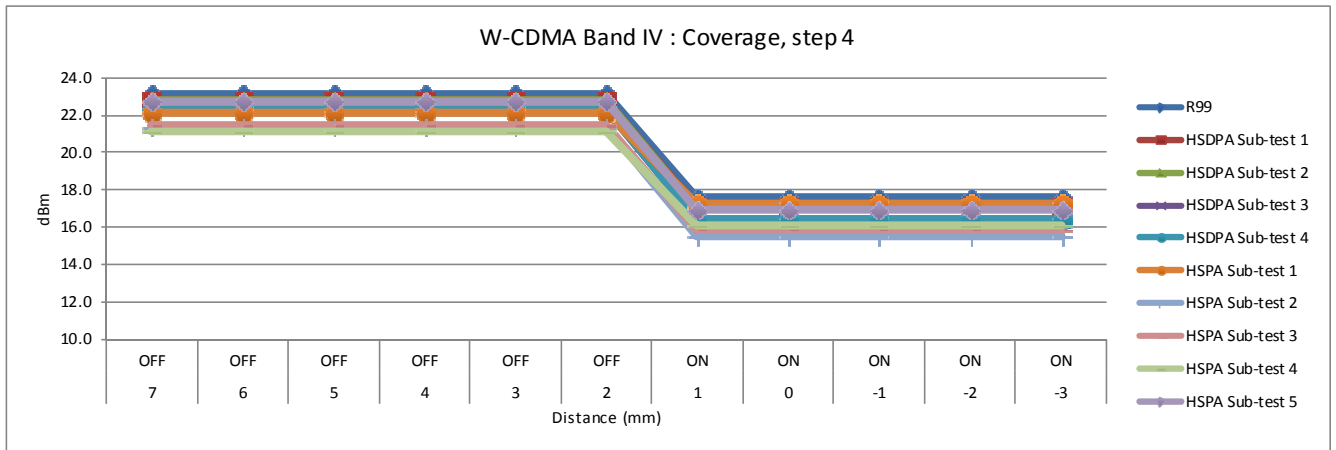
Coverage step 4, W-CDMA Band II											
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
R99	23.1	23.1	23.1	23.1	23.1	14.9	14.9	14.9	14.9	14.9	14.9
HSDPA Sub-test 1	22.7	22.7	22.7	22.7	22.7	14.0	14.0	14.0	14.0	14.0	14.0
HSDPA Sub-test 2	22.6	22.6	22.6	22.6	22.6	14.1	14.1	14.1	14.1	14.1	14.1
HSDPA Sub-test 3	22.2	22.2	22.2	22.2	22.2	13.8	13.8	13.8	13.8	13.8	13.8
HSDPA Sub-test 4	22.2	22.2	22.2	22.2	22.2	13.8	13.8	13.8	13.8	13.8	13.8
HSPA Sub-test 1	22.3	22.3	22.3	22.3	22.3	13.7	13.7	13.7	13.7	13.7	13.7
HSPA Sub-test 2	21.1	21.1	21.1	21.1	21.1	12.5	12.5	12.5	12.5	12.5	12.5
HSPA Sub-test 3	21.5	21.5	21.5	21.5	21.5	12.8	12.8	12.8	12.8	12.8	12.8
HSPA Sub-test 4	21.5	21.5	21.5	21.5	21.5	12.9	12.9	12.9	12.9	12.9	12.9
HSPA Sub-test 5	22.5	22.5	22.5	22.5	22.5	13.9	13.9	13.9	13.9	13.9	13.9



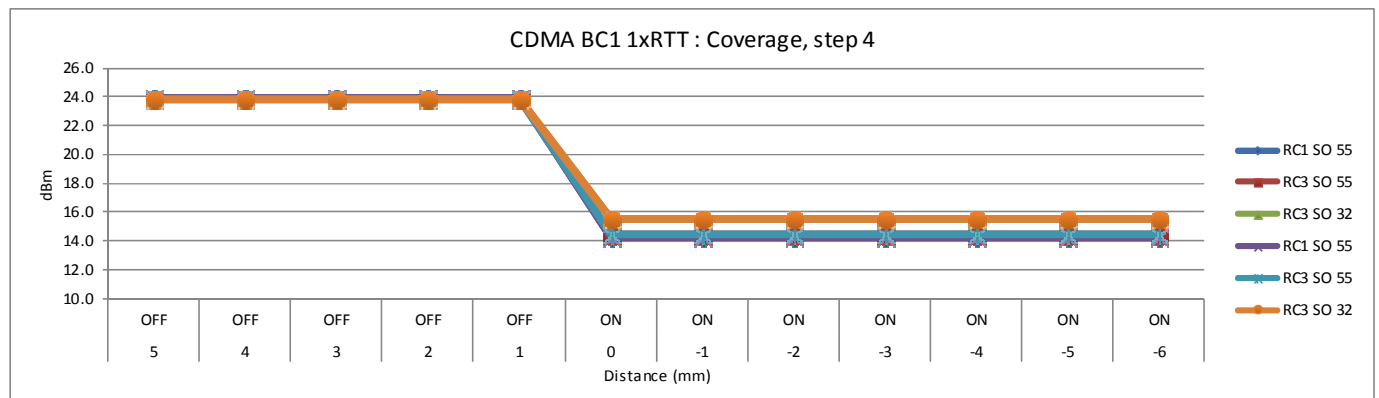
Coverage step 4, W-CDMA Band V											
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
R99	22.9	22.9	22.9	22.9	22.9	19.3	19.3	19.3	19.3	19.3	19.3
HSDPA Sub-test 1	22.4	22.4	22.4	22.4	22.4	19.2	19.2	19.2	19.2	19.2	19.2
HSDPA Sub-test 2	22.4	22.4	22.4	22.4	22.4	18.8	18.8	18.8	18.8	18.8	18.8
HSDPA Sub-test 3	22.1	22.1	22.1	22.1	22.1	18.4	18.4	18.4	18.4	18.4	18.4
HSDPA Sub-test 4	22.0	22.0	22.0	22.0	22.0	18.3	18.3	18.3	18.3	18.3	18.3
HSPA Sub-test 1	22.1	22.1	22.1	22.1	22.1	18.4	18.4	18.4	18.4	18.4	18.4
HSPA Sub-test 2	20.8	20.8	20.8	20.8	20.8	17.3	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 3	20.9	20.9	20.9	20.9	20.9	17.3	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 4	21.0	21.0	21.0	21.0	21.0	17.4	17.4	17.4	17.4	17.4	17.4
HSPA Sub-test 5	22.3	22.3	22.3	22.3	22.3	19.0	19.0	19.0	19.0	19.0	19.0



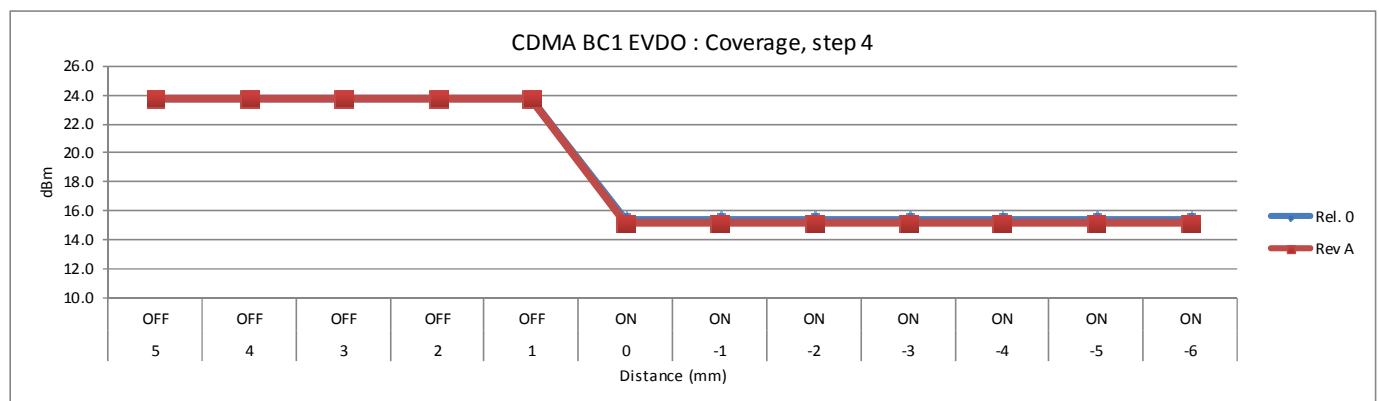
Coverage step 4, W-CDMA Band IV											
Distance (mm):	7	6	5	4	3	2	1	0	-1	-2	-3
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
R99	23.2	23.2	23.2	23.2	23.2	23.2	17.6	17.6	17.6	17.6	17.6
HSDPA Sub-test 1	22.8	22.8	22.8	22.8	22.8	22.8	17.1	17.1	17.1	17.1	17.1
HSDPA Sub-test 2	22.8	22.8	22.8	22.8	22.8	22.8	17.0	17.0	17.0	17.0	17.0
HSDPA Sub-test 3	22.3	22.3	22.3	22.3	22.3	22.3	16.5	16.5	16.5	16.5	16.5
HSDPA Sub-test 4	22.3	22.3	22.3	22.3	22.3	22.3	16.5	16.5	16.5	16.5	16.5
HSPA Sub-test 1	22.2	22.2	22.2	22.2	22.2	22.2	17.3	17.3	17.3	17.3	17.3
HSPA Sub-test 2	21.4	21.4	21.4	21.4	21.4	21.4	15.5	15.5	15.5	15.5	15.5
HSPA Sub-test 3	21.5	21.5	21.5	21.5	21.5	21.5	15.9	15.9	15.9	15.9	15.9
HSPA Sub-test 4	21.2	21.2	21.2	21.2	21.2	21.2	16.1	16.1	16.1	16.1	16.1
HSPA Sub-test 5	22.7	22.7	22.7	22.7	22.7	22.7	16.9	16.9	16.9	16.9	16.9



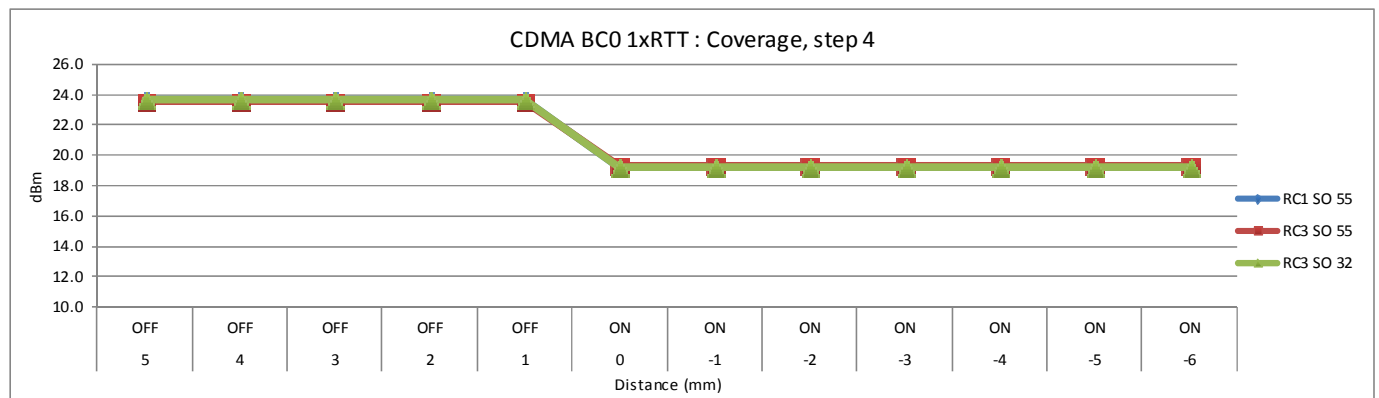
Coverage step 4, CDMA BC1 1xRTT												
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.9	23.9	23.9	23.9	23.9	14.3	14.3	14.3	14.3	14.3	14.3	14.3
RC3 SO 55	23.8	23.8	23.8	23.8	23.8	14.5	14.5	14.5	14.5	14.5	14.5	14.5
RC3 SO 32	23.9	23.9	23.9	23.9	23.9	15.5	15.5	15.5	15.5	15.5	15.5	15.5



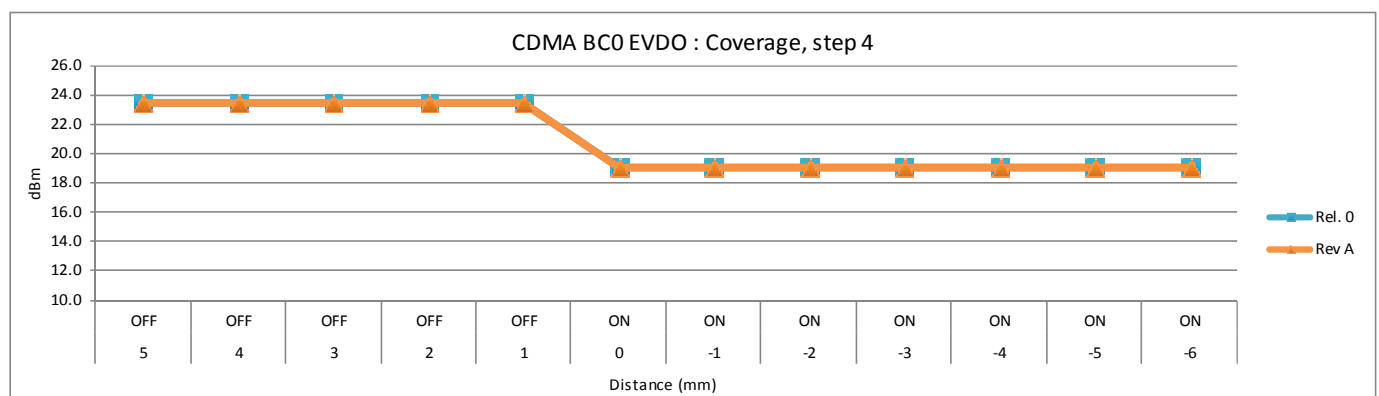
Coverage step 4, CDMA BC1 EVDO												
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
Rel. 0	23.8	23.8	23.8	23.8	23.8	15.4	15.4	15.4	15.4	15.4	15.4	15.4
Rev A	23.8	23.8	23.8	23.8	23.8	15.2	15.2	15.2	15.2	15.2	15.2	15.2



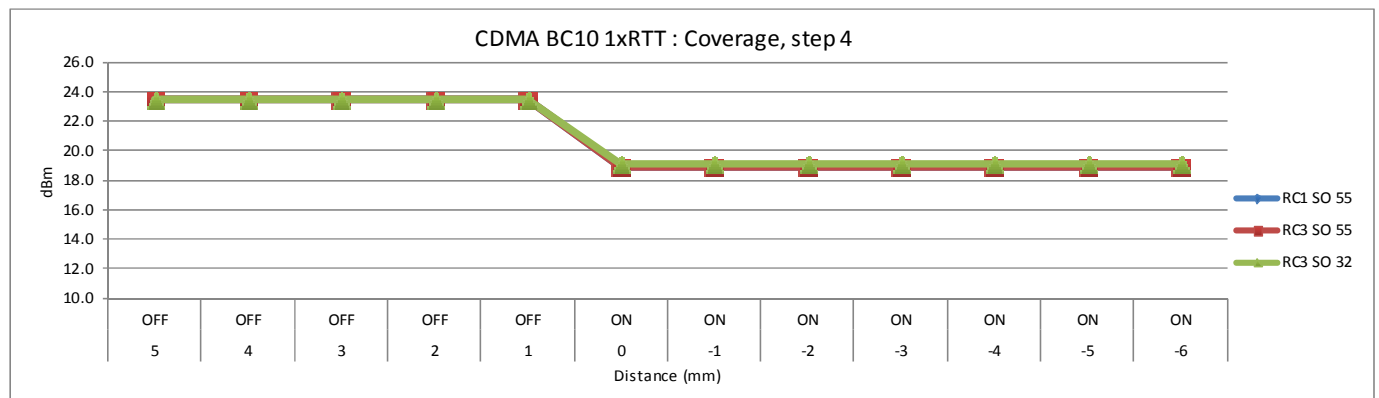
Coverage step 4, CDMA BC0 1xRTT												
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.6	23.6	23.6	23.6	23.6	19.2	19.2	19.2	19.2	19.2	19.2	19.2
RC3 SO 55	23.6	23.6	23.6	23.6	23.6	19.4	19.4	19.4	19.4	19.4	19.4	19.4
RC3 SO 32	23.6	23.6	23.6	23.6	23.6	19.2	19.2	19.2	19.2	19.2	19.2	19.2



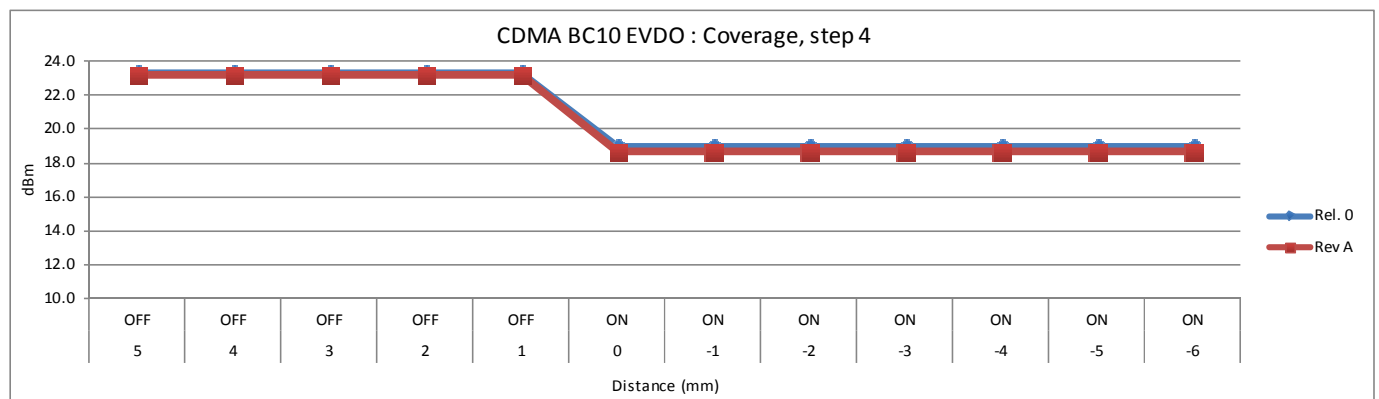
Coverage step 4, CDMA BC0 EVDO												
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
Rel. 0	23.4	23.4	23.4	23.4	23.4	19.1	19.1	19.1	19.1	19.1	19.1	19.1
Rev A	23.4	23.4	23.4	23.4	23.4	19.1	19.1	19.1	19.1	19.1	19.1	19.1



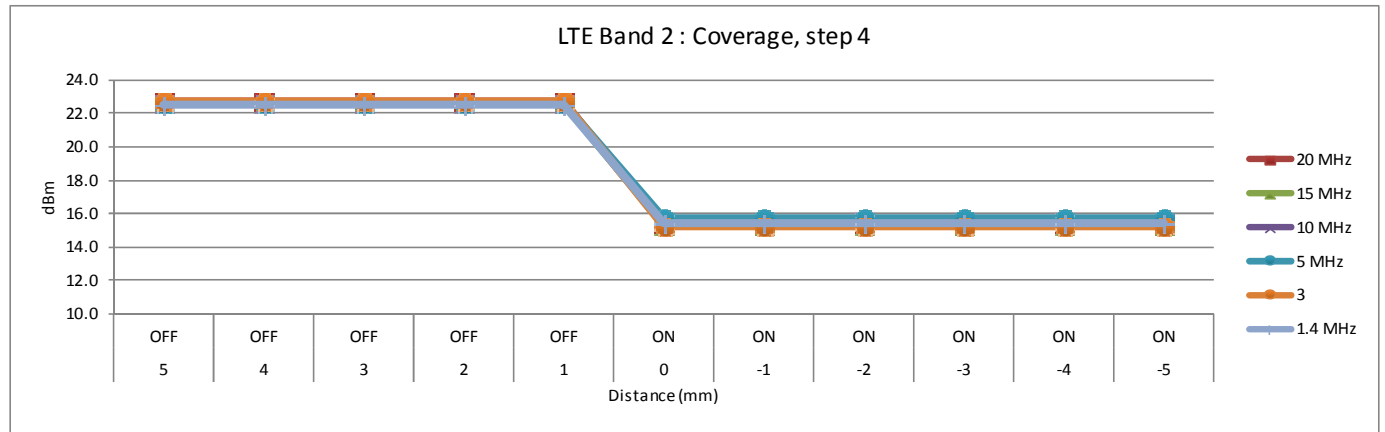
Coverage step 4, CDMA BC10 1xRTT												
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
RC1 SO 55	23.4	23.4	23.4	23.4	23.4	18.9	18.9	18.9	18.9	18.9	18.9	18.9
RC3 SO 55	23.4	23.4	23.4	23.4	23.4	18.9	18.9	18.9	18.9	18.9	18.9	18.9
RC3 SO 32	23.5	23.5	23.5	23.5	23.5	19.1	19.1	19.1	19.1	19.1	19.1	19.1



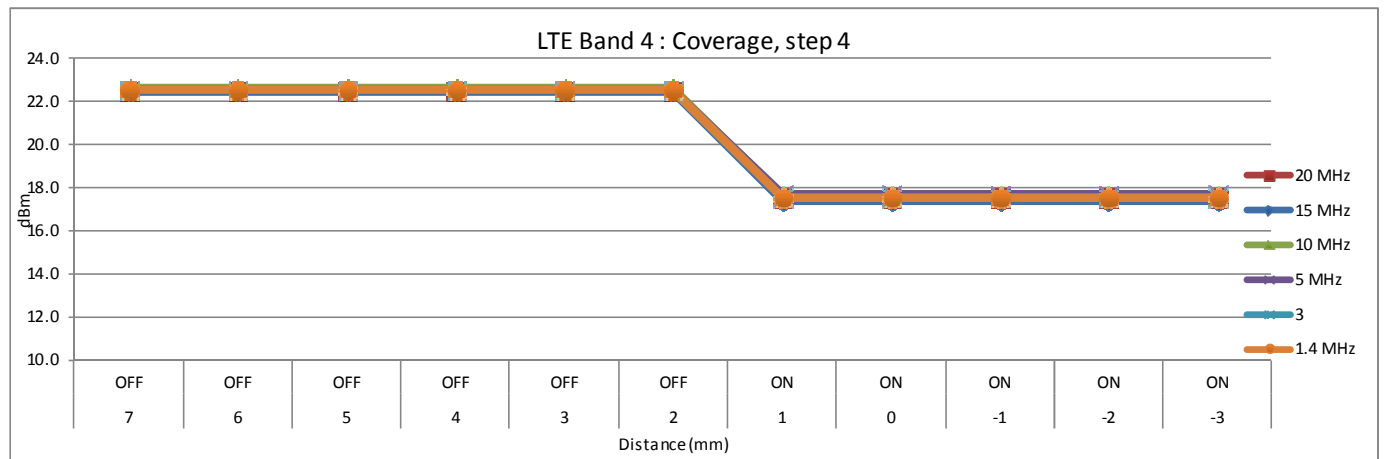
Coverage step 4, CDMA BC10 EVDO												
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5	-6
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON
Rel. 0	23.3	23.3	23.3	23.3	23.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0
Rev A	23.2	23.2	23.2	23.2	23.2	18.7	18.7	18.7	18.7	18.7	18.7	18.7



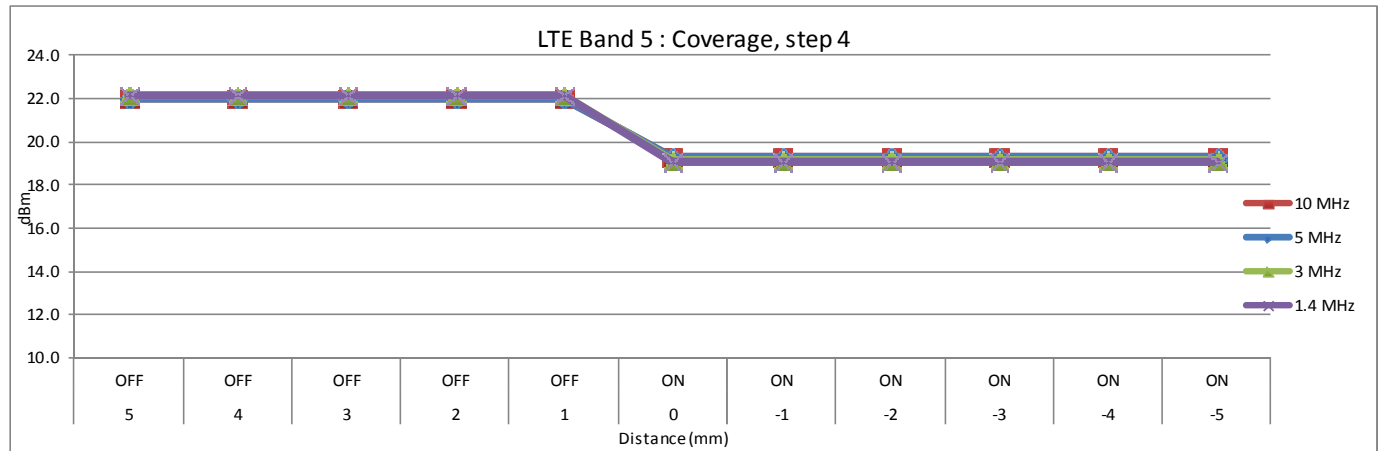
Coverage step 4, LTE Band 2											
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
20 MHz	22.7	22.7	22.7	22.7	22.7	15.3	15.3	15.3	15.3	15.3	15.3
15 MHz	22.6	22.6	22.6	22.6	22.6	15.3	15.3	15.3	15.3	15.3	15.3
10 MHz	22.6	22.6	22.6	22.6	22.6	15.5	15.5	15.5	15.5	15.5	15.5
5 MHz	22.6	22.6	22.6	22.6	22.6	15.7	15.7	15.7	15.7	15.7	15.7
3	22.7	22.7	22.7	22.7	22.7	15.2	15.2	15.2	15.2	15.2	15.2
1.4 MHz	22.6	22.6	22.6	22.6	22.6	15.4	15.4	15.4	15.4	15.4	15.4



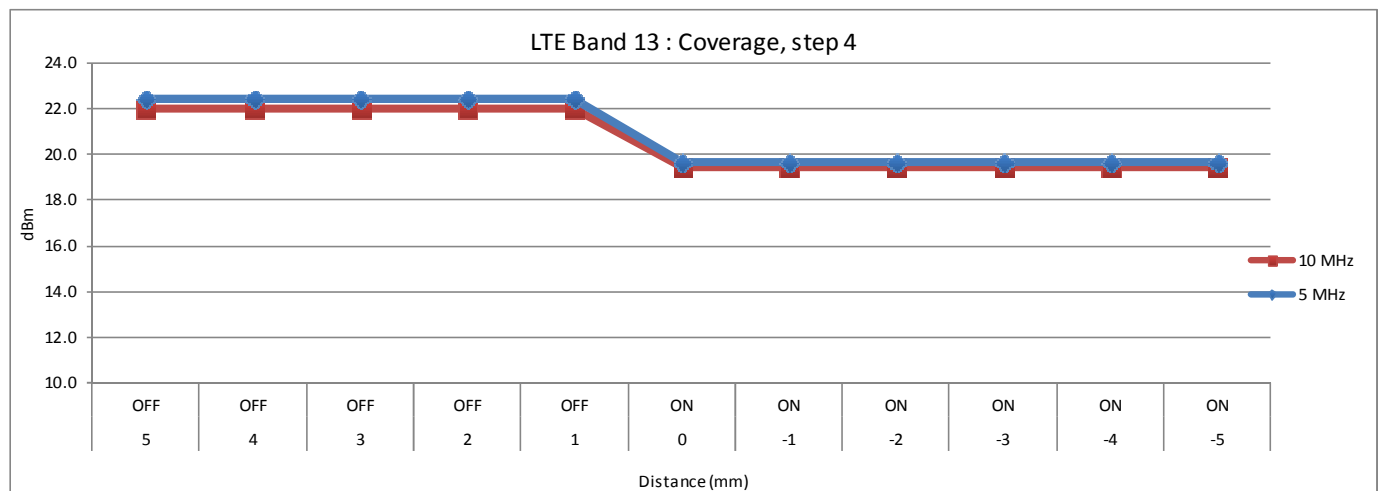
Coverage step 4, LTE Band 4											
Distance (mm):	7	6	5	4	3	2	1	0	-1	-2	-3
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON
20 MHz	22.5	22.5	22.5	22.5	22.5	22.5	17.5	17.5	17.5	17.5	17.5
15 MHz	22.5	22.5	22.5	22.5	22.5	22.5	17.4	17.4	17.4	17.4	17.4
10 MHz	22.6	22.6	22.6	22.6	22.6	22.6	17.6	17.6	17.6	17.6	17.6
5 MHz	22.6	22.6	22.6	22.6	22.6	22.6	17.7	17.7	17.7	17.7	17.7
3	22.6	22.6	22.6	22.6	22.6	22.6	17.6	17.6	17.6	17.6	17.6
1.4 MHz	22.6	22.6	22.6	22.6	22.6	22.6	17.5	17.5	17.5	17.5	17.5



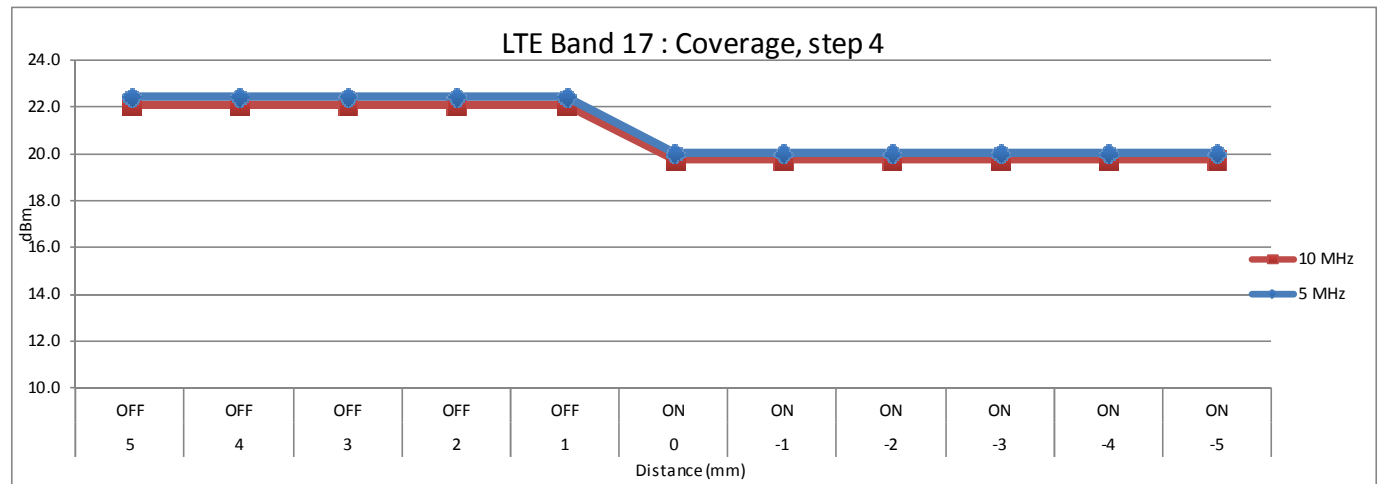
Coverage step 4, LTE Band 5											
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
10 MHz	22.0	22.0	22.0	22.0	22.0	19.3	19.3	19.3	19.3	19.3	19.3
5 MHz	22.0	22.0	22.0	22.0	22.0	19.3	19.3	19.3	19.3	19.3	19.3
3 MHz	22.2	22.2	22.2	22.2	22.2	19.2	19.2	19.2	19.2	19.2	19.2
1.4 MHz	22.1	22.1	22.1	22.1	22.1	19.1	19.1	19.1	19.1	19.1	19.1



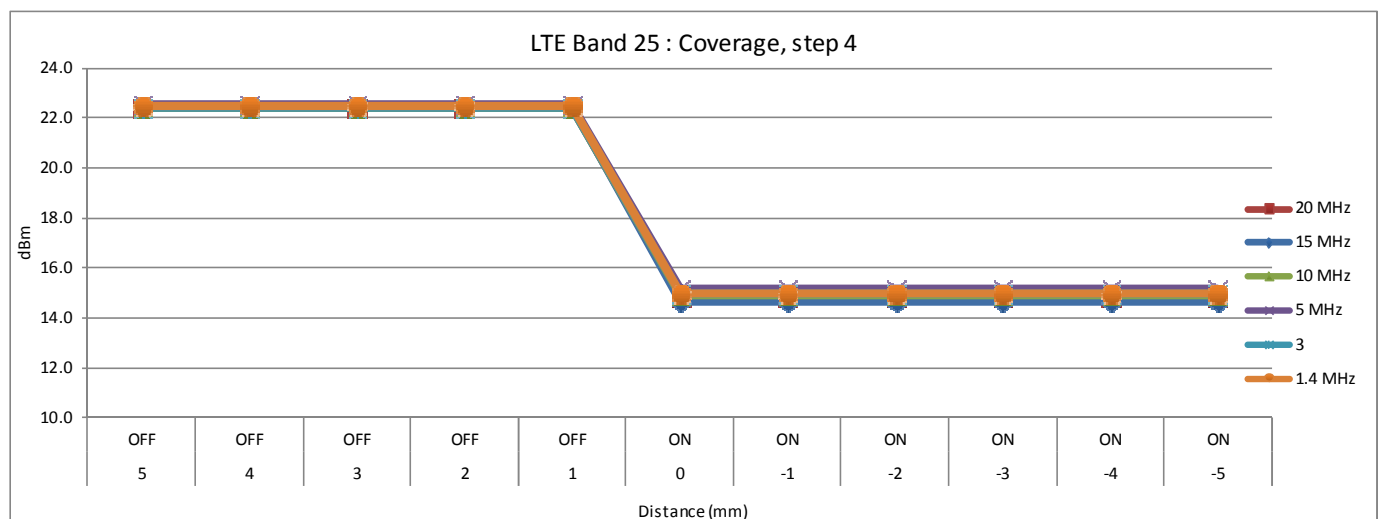
Coverage step 4, LTE Band 13											
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
10 MHz	22.0	22.0	22.0	22.0	22.0	19.4	19.4	19.4	19.4	19.4	19.4
5 MHz	22.5	22.5	22.5	22.5	22.5	19.7	19.7	19.7	19.7	19.7	19.7



Coverage step 4, LTE Band 17											
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
10 MHz	22.1	22.1	22.1	22.1	22.1	19.7	19.7	19.7	19.7	19.7	19.7
5 MHz	22.5	22.5	22.5	22.5	22.5	20.1	20.1	20.1	20.1	20.1	20.1

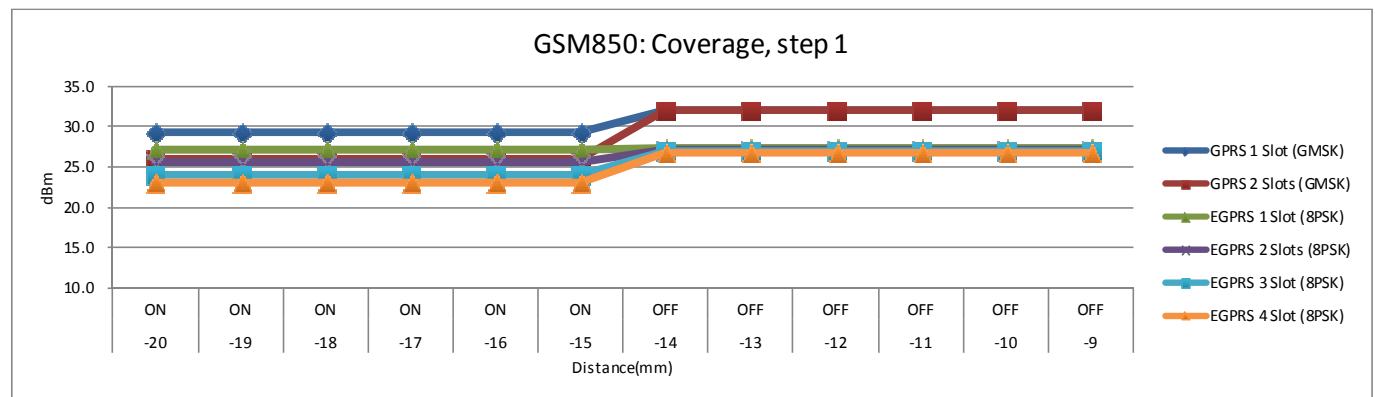


Coverage step 4, LTE Band 25											
Distance (mm):	5	4	3	2	1	0	-1	-2	-3	-4	-5
Proximity sensor with reduced power activation:	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
20 MHz	22.4	22.4	22.4	22.4	22.4	14.9	14.9	14.9	14.9	14.9	14.9
15 MHz	22.5	22.5	22.5	22.5	22.5	14.7	14.7	14.7	14.7	14.7	14.7
10 MHz	22.4	22.4	22.4	22.4	22.4	14.9	14.9	14.9	14.9	14.9	14.9
5 MHz	22.5	22.5	22.5	22.5	22.5	15.2	15.2	15.2	15.2	15.2	15.2
3	22.4	22.4	22.4	22.4	22.4	15.0	15.0	15.0	15.0	15.0	15.0
1.4 MHz	22.5	22.5	22.5	22.5	22.5	15.0	15.0	15.0	15.0	15.0	15.0

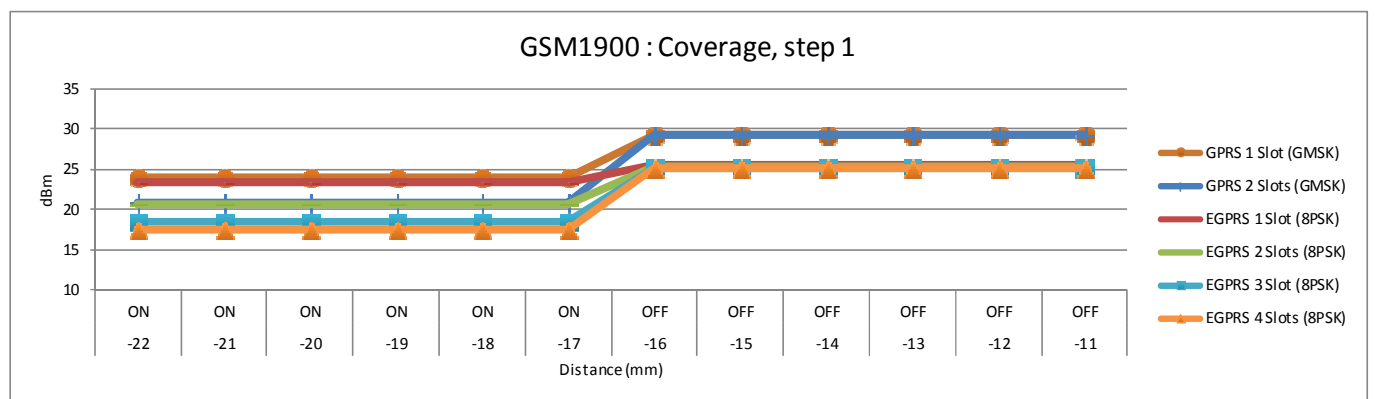


7.9.2. DUT moving away from the Phantom

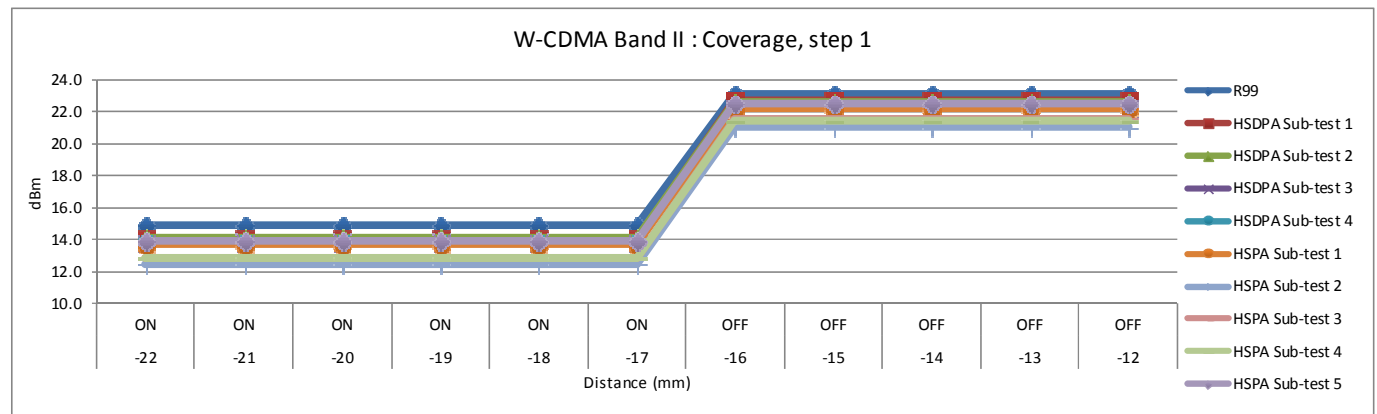
Coverage step 1, GSM850												
Distance (mm):	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
GPRS 1 Slot (GMSK)	29.4	29.4	29.4	29.4	29.4	29.4	32.1	32.1	32.1	32.1	32.1	32.1
GPRS 2 Slots (GMSK)	26.0	26.0	26.0	26.0	26.0	26.0	32.0	32.0	32.0	32.0	32.0	32.0
EGPRS 1 Slot (8PSK)	27.2	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3
EGPRS 2 Slots (8PSK)	25.6	25.6	25.6	25.6	25.6	25.6	27.1	27.1	27.1	27.1	27.1	27.1
EGPRS 3 Slot (8PSK)	23.9	23.9	23.9	23.9	23.9	23.9	26.9	26.9	26.9	26.9	26.9	26.9
EGPRS 4 Slot (8PSK)	23.0	23.0	23.0	23.0	23.0	23.0	26.8	26.8	26.8	26.8	26.8	26.8



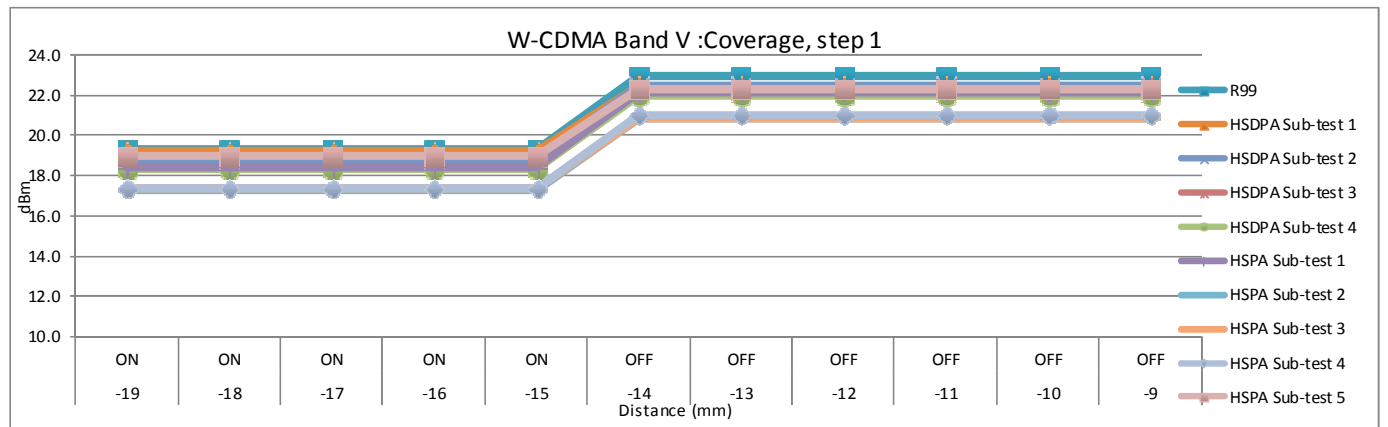
Coverage step 1, GSM1900												
Distance (mm):	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
GPRS 1 Slot (GMSK)	24.0	24.0	24.0	24.0	24.0	24.0	29.3	29.3	29.3	29.3	29.3	29.3
GPRS 2 Slots (GMSK)	20.8	20.8	20.8	20.8	20.8	20.8	29.2	29.2	29.2	29.2	29.2	29.2
EGPRS 1 Slot (8PSK)	23.3	23.3	23.3	23.3	23.3	23.3	25.5	25.5	25.5	25.5	25.5	25.5
EGPRS 2 Slots (8PSK)	20.6	20.6	20.6	20.6	20.6	20.6	25.3	25.3	25.3	25.3	25.3	25.3
EGPRS 3 Slot (8PSK)	18.6	18.6	18.6	18.6	18.6	18.6	25.2	25.2	25.2	25.2	25.2	25.2
EGPRS 4 Slots (8PSK)	17.5	17.5	17.5	17.5	17.5	17.5	25.1	25.1	25.1	25.1	25.1	25.1



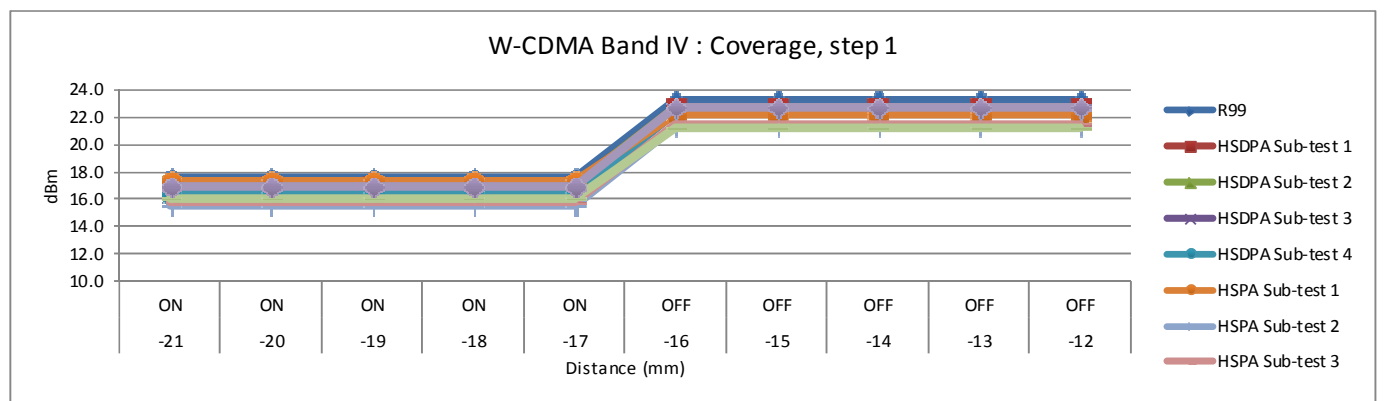
Coverage step 1, W-CDMA Band II											
Distance (mm):	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
R99	14.9	14.9	14.9	14.9	14.9	14.9	23.1	23.1	23.1	23.1	23.1
HSDPA Sub-test 1	14.0	14.0	14.0	14.0	14.0	14.0	22.7	22.7	22.7	22.7	22.7
HSDPA Sub-test 2	14.1	14.1	14.1	14.1	14.1	14.1	22.6	22.6	22.6	22.6	22.6
HSDPA Sub-test 3	13.8	13.8	13.8	13.8	13.8	13.8	22.2	22.2	22.2	22.2	22.2
HSDPA Sub-test 4	13.8	13.8	13.8	13.8	13.8	13.8	22.2	22.2	22.2	22.2	22.2
HSPA Sub-test 1	13.7	13.7	13.7	13.7	13.7	13.7	22.3	22.3	22.3	22.3	22.3
HSPA Sub-test 2	12.5	12.5	12.5	12.5	12.5	12.5	21.1	21.1	21.1	21.1	21.1
HSPA Sub-test 3	12.8	12.8	12.8	12.8	12.8	12.8	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 4	12.9	12.9	12.9	12.9	12.9	12.9	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 5	13.9	13.9	13.9	13.9	13.9	13.9	22.5	22.5	22.5	22.5	22.5



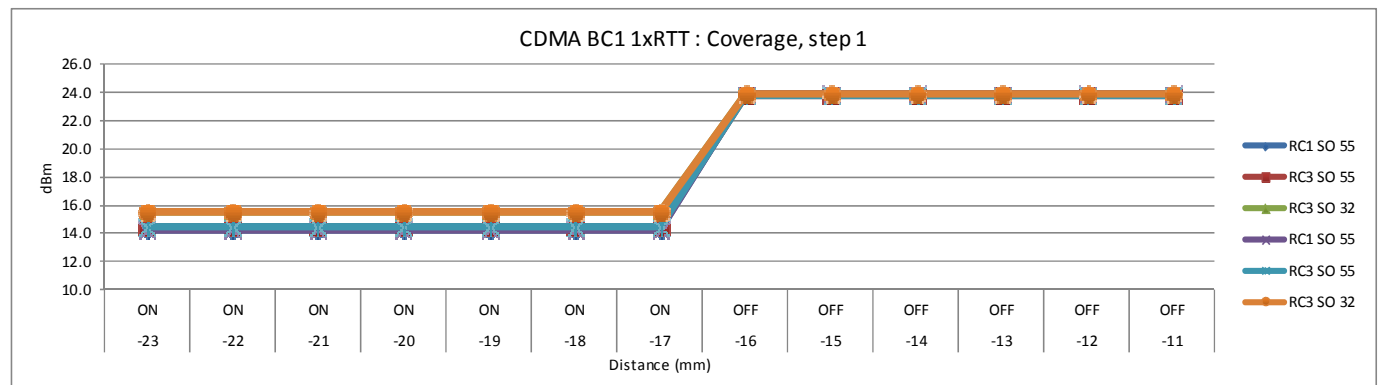
Coverage step 1, W-CDMA Band V											
Distance (mm):	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
R99	19.3	19.3	19.3	19.3	19.3	22.9	22.9	22.9	22.9	22.9	22.9
HSDPA Sub-test 1	19.2	19.2	19.2	19.2	19.2	22.4	22.4	22.4	22.4	22.4	22.4
HSDPA Sub-test 2	18.8	18.8	18.8	18.8	18.8	22.4	22.4	22.4	22.4	22.4	22.4
HSDPA Sub-test 3	18.4	18.4	18.4	18.4	18.4	22.1	22.1	22.1	22.1	22.1	22.1
HSDPA Sub-test 4	18.3	18.3	18.3	18.3	18.3	22.0	22.0	22.0	22.0	22.0	22.0
HSPA Sub-test 1	18.4	18.4	18.4	18.4	18.4	22.1	22.1	22.1	22.1	22.1	22.1
HSPA Sub-test 2	17.3	17.3	17.3	17.3	17.3	20.8	20.8	20.8	20.8	20.8	20.8
HSPA Sub-test 3	17.3	17.3	17.3	17.3	17.3	20.9	20.9	20.9	20.9	20.9	20.9
HSPA Sub-test 4	17.4	17.4	17.4	17.4	17.4	21.0	21.0	21.0	21.0	21.0	21.0
HSPA Sub-test 5	19.0	19.0	19.0	19.0	19.0	22.3	22.3	22.3	22.3	22.3	22.3



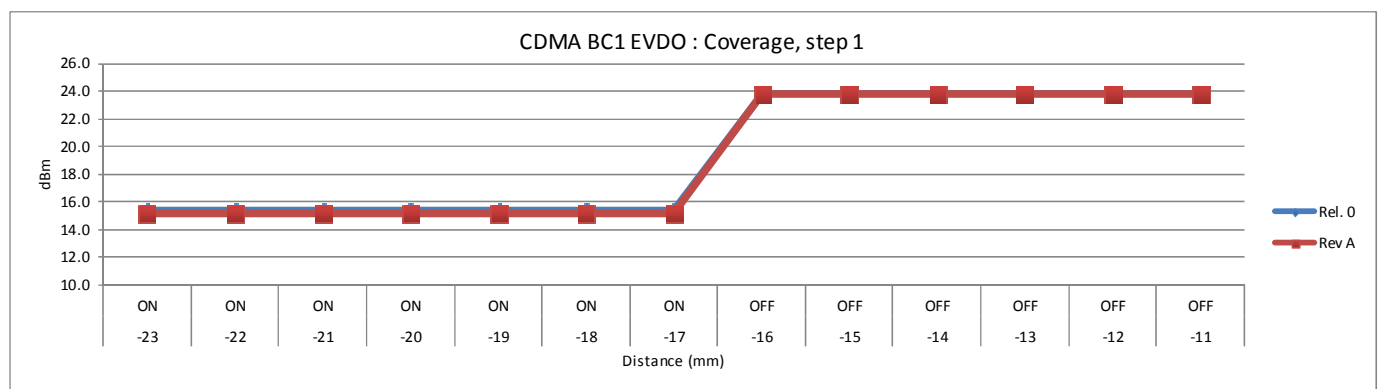
Coverage step 1, W-CDMA Band IV											
Distance (mm):	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	
R99	17.6	17.6	17.6	17.6	17.6	23.2	23.2	23.2	23.2	23.2	
HSDPA Sub-test 1	17.1	17.1	17.1	17.1	17.1	22.8	22.8	22.8	22.8	22.8	
HSDPA Sub-test 2	17.0	17.0	17.0	17.0	17.0	22.8	22.8	22.8	22.8	22.8	
HSDPA Sub-test 3	16.5	16.5	16.5	16.5	16.5	22.3	22.3	22.3	22.3	22.3	
HSDPA Sub-test 4	16.5	16.5	16.5	16.5	16.5	22.3	22.3	22.3	22.3	22.3	
HSPA Sub-test 1	17.3	17.3	17.3	17.3	17.3	22.2	22.2	22.2	22.2	22.2	
HSPA Sub-test 2	15.5	15.5	15.5	15.5	15.5	21.4	21.4	21.4	21.4	21.4	
HSPA Sub-test 3	15.9	15.9	15.9	15.9	15.9	21.5	21.5	21.5	21.5	21.5	
HSPA Sub-test 4	16.1	16.1	16.1	16.1	16.1	21.2	21.2	21.2	21.2	21.2	
HSPA Sub-test 5	16.9	16.9	16.9	16.9	16.9	22.7	22.7	22.7	22.7	22.7	



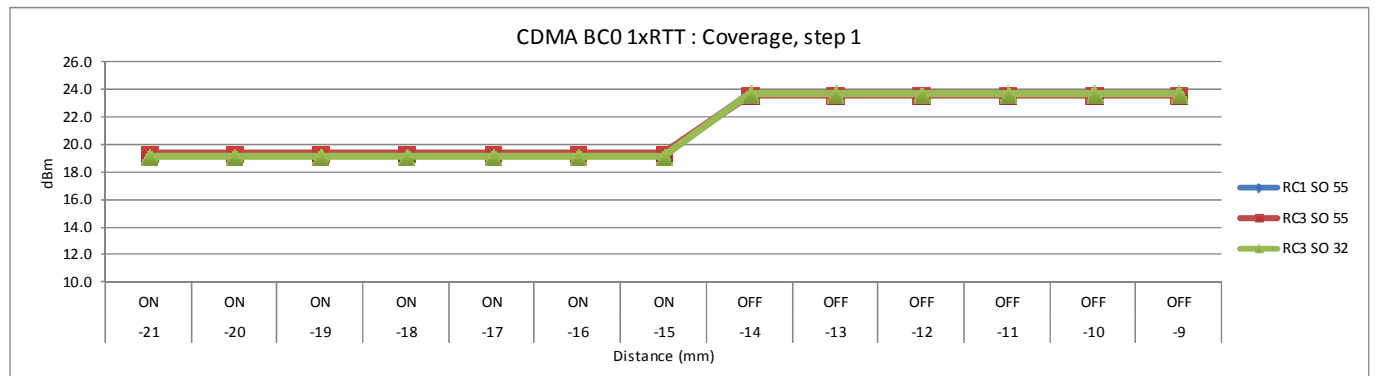
Coverage step 1, CDMA BC1 1xRTT													
Distance (mm):	-23	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	14.3	14.3	14.3	14.3	14.3	14.3	14.3	23.9	23.9	23.9	23.9	23.9	23.9
RC3 SO 55	14.5	14.5	14.5	14.5	14.5	14.5	14.5	23.8	23.8	23.8	23.8	23.8	23.8
RC3 SO 32	15.5	15.5	15.5	15.5	15.5	15.5	15.5	23.9	23.9	23.9	23.9	23.9	23.9



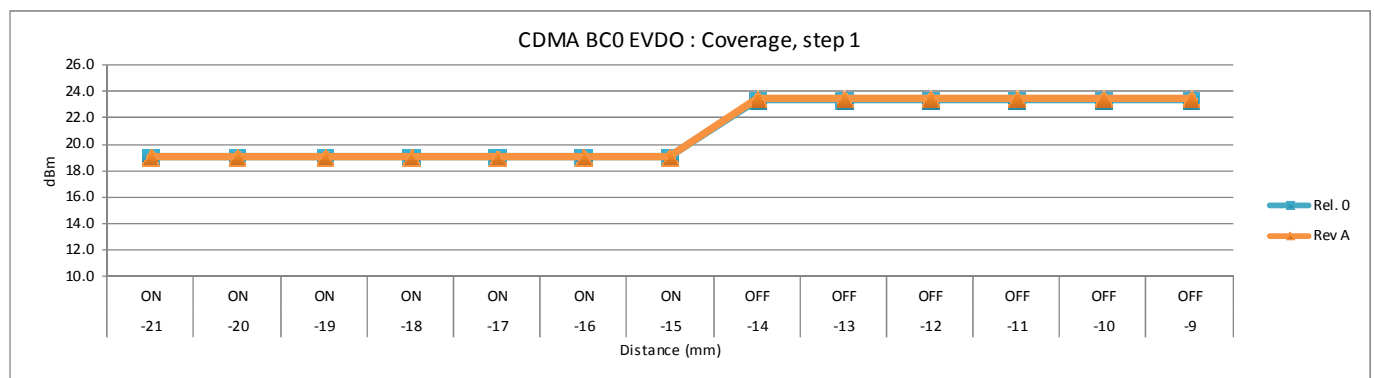
Coverage step 1, CDMA BC1 EVDO													
Distance (mm):	-23	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	23.8	23.8	23.8	23.8	23.8	23.8
Rev A	15.2	15.2	15.2	15.2	15.2	15.2	15.2	23.8	23.8	23.8	23.8	23.8	23.8



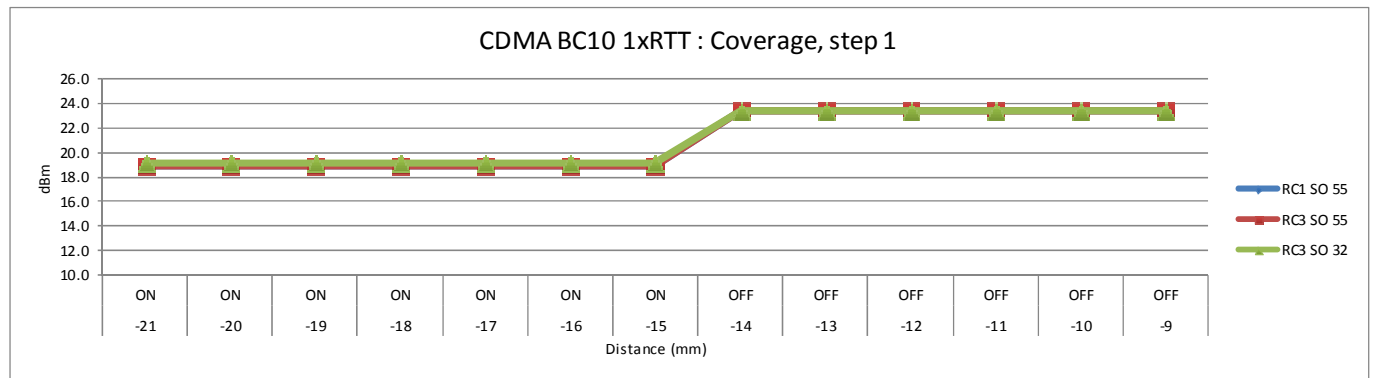
Coverage step 1, CDMA BC0 1xRTT													
Distance (mm):	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	19.2	19.2	19.2	19.2	19.2	19.2	19.2	23.6	23.6	23.6	23.6	23.6	23.6
RC3 SO 55	19.4	19.4	19.4	19.4	19.4	19.4	19.4	23.6	23.6	23.6	23.6	23.6	23.6
RC3 SO 32	19.2	19.2	19.2	19.2	19.2	19.2	19.2	23.6	23.6	23.6	23.6	23.6	23.6



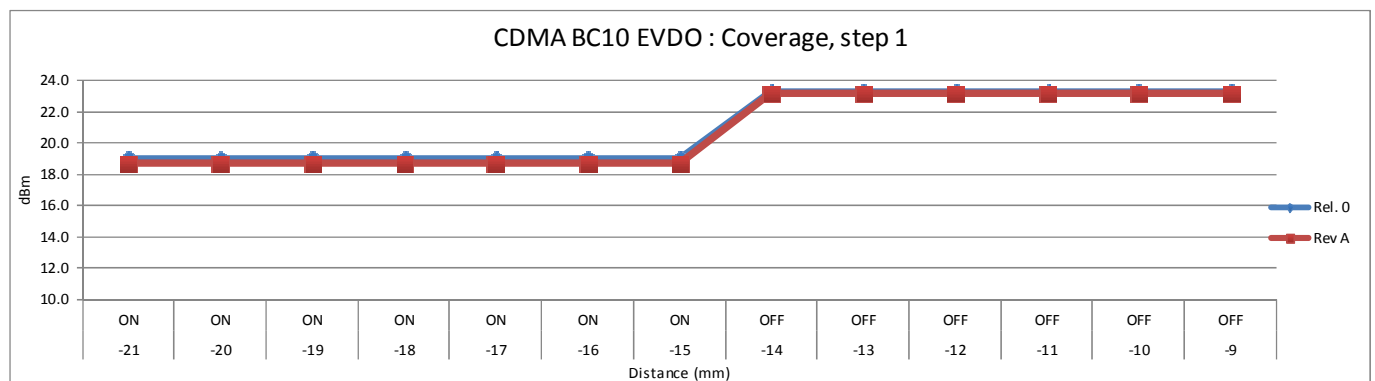
Coverage step 1, CDMA BC0 EVDO													
Distance (mm):	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23.4	23.4	23.4	23.4	23.4	23.4
Rev A	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23.4	23.4	23.4	23.4	23.4	23.4



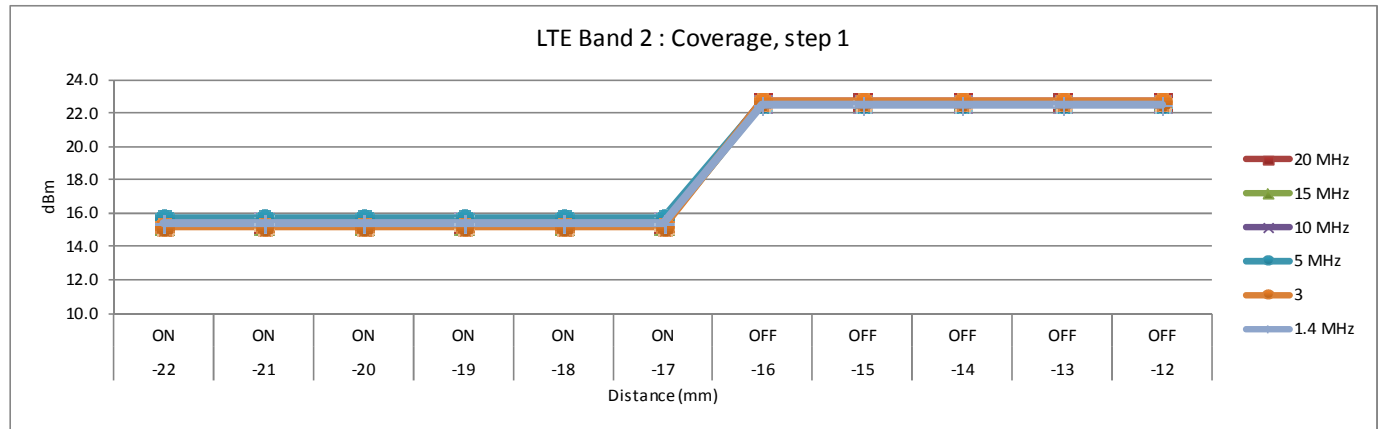
Coverage step 1, CDMA BC10 1xRTT													
Distance (mm):	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	18.9	18.9	18.9	18.9	18.9	18.9	18.9	23.4	23.4	23.4	23.4	23.4	23.4
RC3 SO 55	18.9	18.9	18.9	18.9	18.9	18.9	18.9	23.4	23.4	23.4	23.4	23.4	23.4
RC3 SO 32	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23.5	23.5	23.5	23.5	23.5	23.5



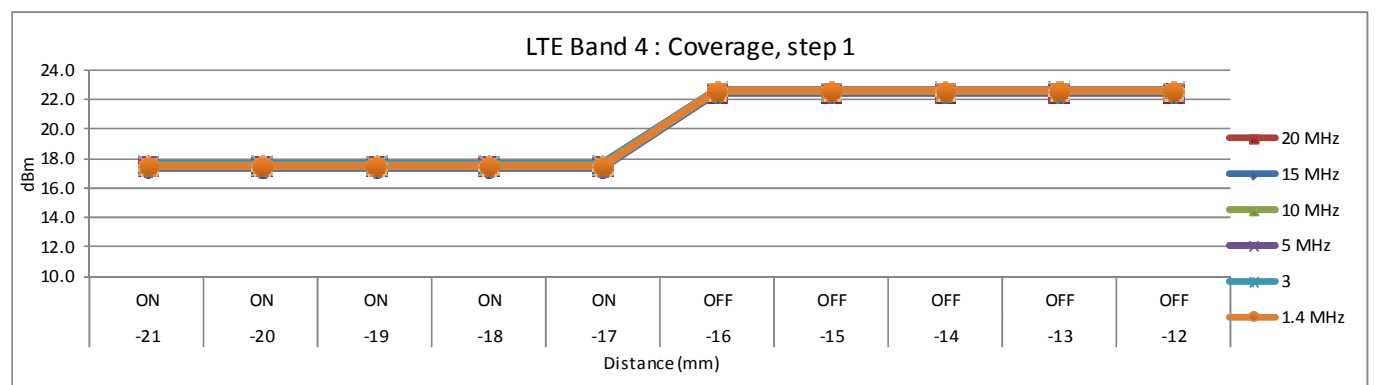
Coverage step 1, CDMA BC10 EVDO													
Distance (mm):	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	23.3	23.3	23.3	23.3	23.3	23.3
Rev A	18.7	18.7	18.7	18.7	18.7	18.7	18.7	23.2	23.2	23.2	23.2	23.2	23.2



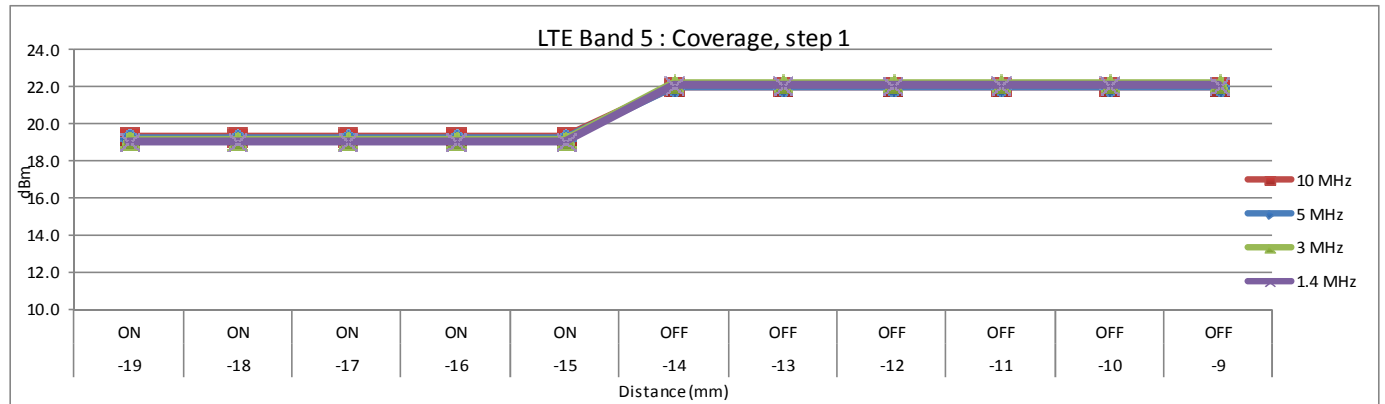
Coverage step 1, LTE Band 2											
Distance (mm):	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
20 MHz	15.3	15.3	15.3	15.3	15.3	15.3	22.7	22.7	22.7	22.7	22.7
15 MHz	15.3	15.3	15.3	15.3	15.3	15.3	22.6	22.6	22.6	22.6	22.6
10 MHz	15.5	15.5	15.5	15.5	15.5	15.5	22.6	22.6	22.6	22.6	22.6
5 MHz	15.7	15.7	15.7	15.7	15.7	15.7	22.6	22.6	22.6	22.6	22.6
3	15.2	15.2	15.2	15.2	15.2	15.2	22.7	22.7	22.7	22.7	22.7
1.4 MHz	15.4	15.4	15.4	15.4	15.4	15.4	22.6	22.6	22.6	22.6	22.6



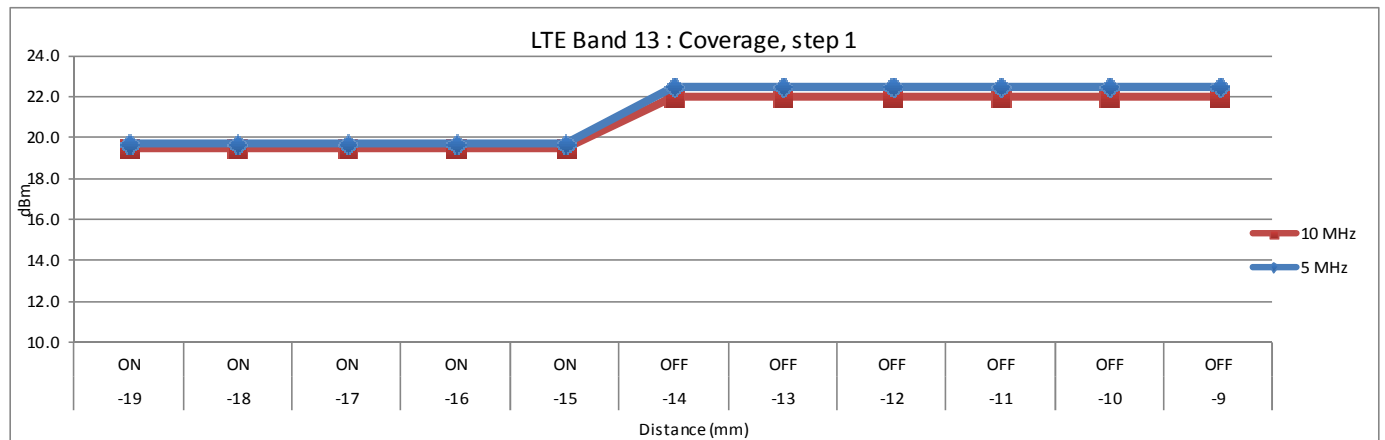
Coverage step 1, LTE Band 4										
Distance (mm):	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
20 MHz	17.5	17.5	17.5	17.5	17.5	22.5	22.5	22.5	22.5	22.5
15 MHz	17.4	17.4	17.4	17.4	17.4	22.5	22.5	22.5	22.5	22.5
10 MHz	17.6	17.6	17.6	17.6	17.6	22.6	22.6	22.6	22.6	22.6
5 MHz	17.7	17.7	17.7	17.7	17.7	22.6	22.6	22.6	22.6	22.6
3	17.6	17.6	17.6	17.6	17.6	22.6	22.6	22.6	22.6	22.6
1.4 MHz	17.5	17.5	17.5	17.5	17.5	22.6	22.6	22.6	22.6	22.6



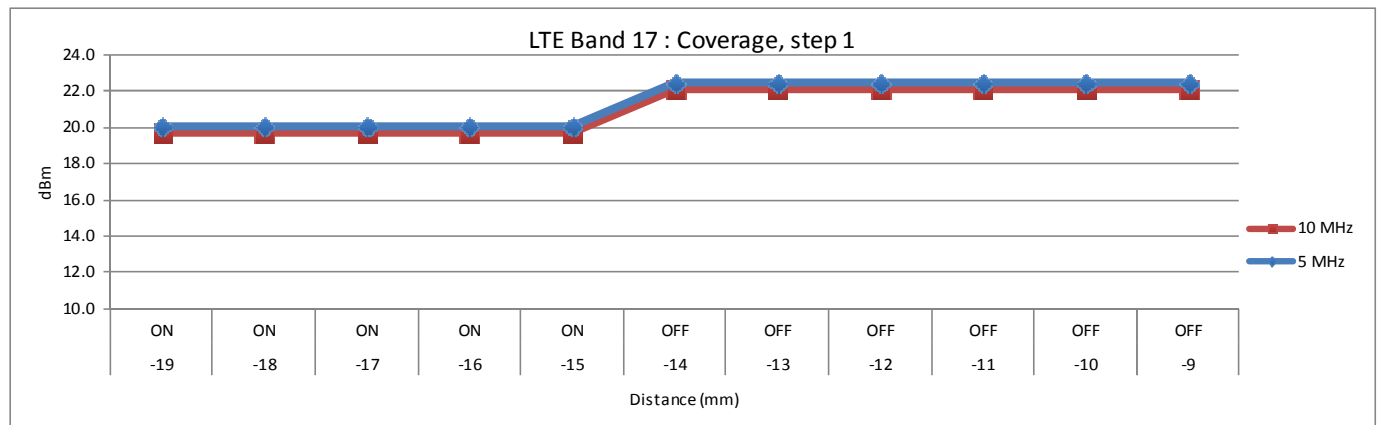
Coverage step 1, LTE Band 5											
Distance (mm):	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.3	19.3	19.3	19.3	19.3	22.0	22.0	22.0	22.0	22.0	22.0
5 MHz	19.3	19.3	19.3	19.3	19.3	22.0	22.0	22.0	22.0	22.0	22.0
3 MHz	19.2	19.2	19.2	19.2	19.2	22.2	22.2	22.2	22.2	22.2	22.2
1.4 MHz	19.1	19.1	19.1	19.1	19.1	22.1	22.1	22.1	22.1	22.1	22.1



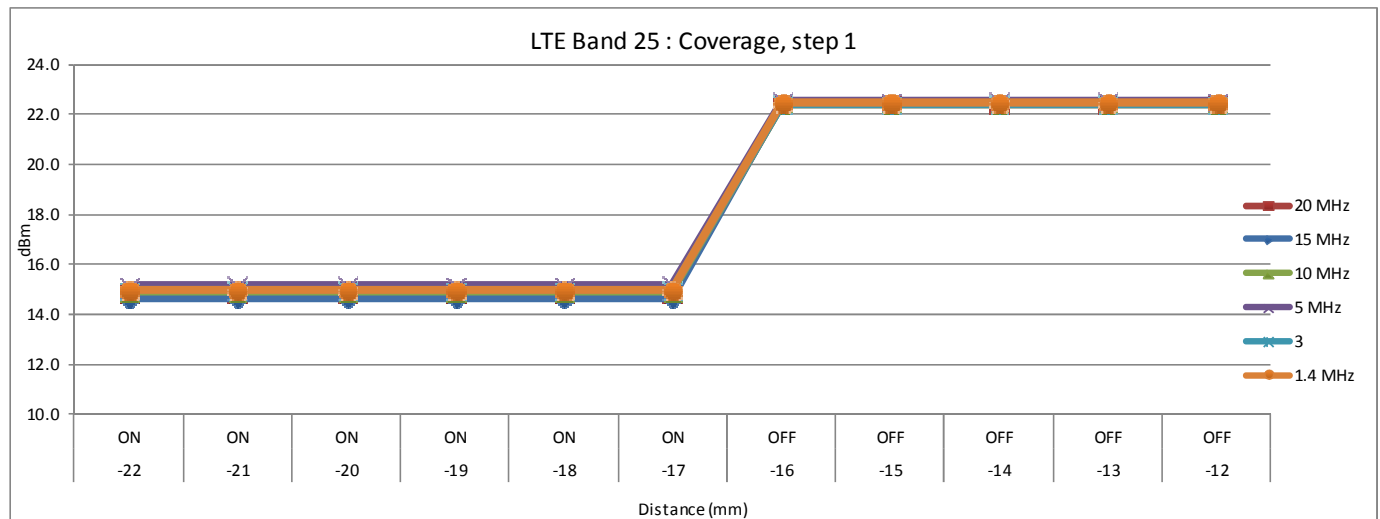
Coverage step 1, LTE Band 13											
Distance (mm):	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.4	19.4	19.4	19.4	19.4	22.0	22.0	22.0	22.0	22.0	22.0
5 MHz	19.7	19.7	19.7	19.7	19.7	22.5	22.5	22.5	22.5	22.5	22.5



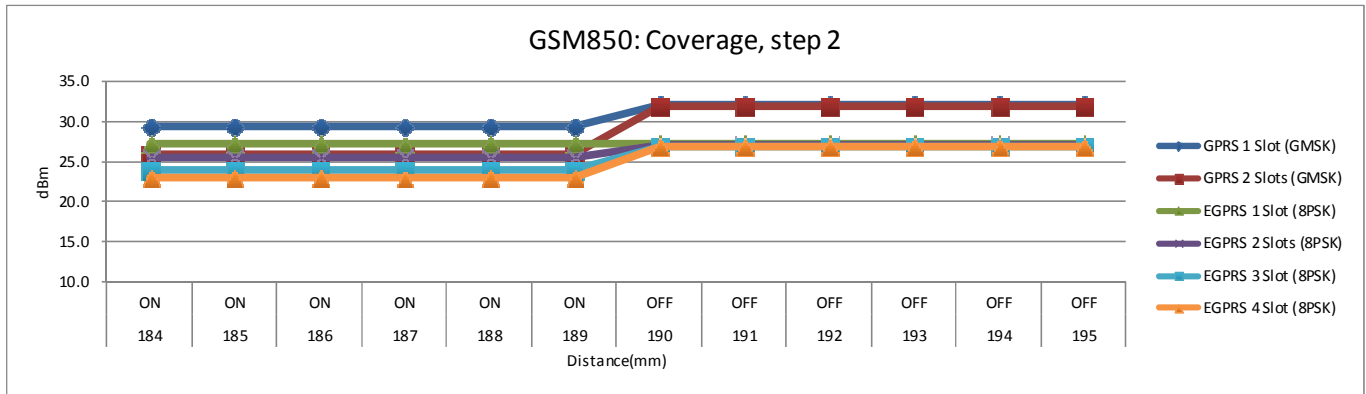
Coverage step 1, LTE Band 17											
Distance (mm):	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.7	19.7	19.7	19.7	19.7	22.1	22.1	22.1	22.1	22.1	22.1
5 MHz	20.1	20.1	20.1	20.1	20.1	22.5	22.5	22.5	22.5	22.5	22.5



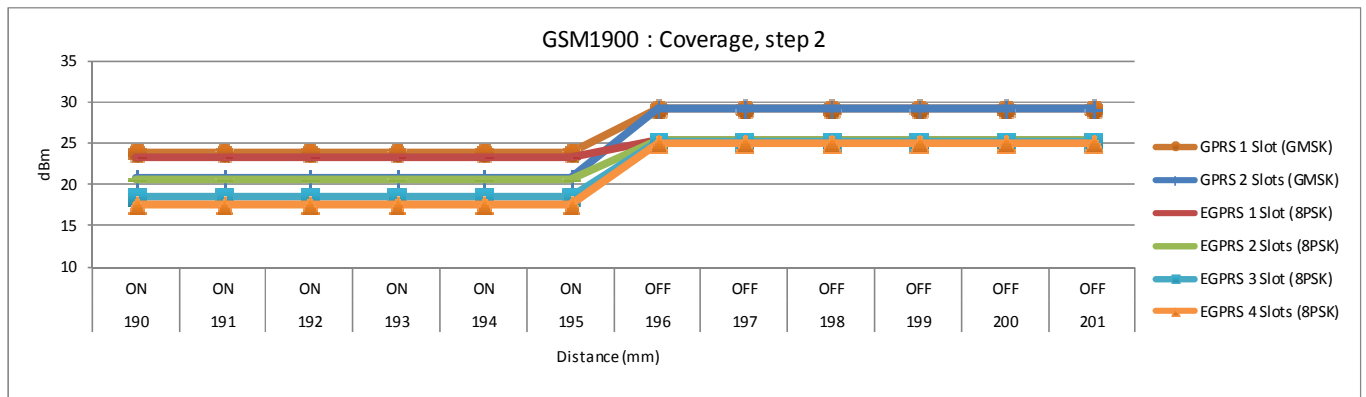
Coverage step 1, LTE Band 25											
Distance (mm):	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
20 MHz	14.9	14.9	14.9	14.9	14.9	14.9	22.4	22.4	22.4	22.4	22.4
15 MHz	14.7	14.7	14.7	14.7	14.7	14.7	22.5	22.5	22.5	22.5	22.5
10 MHz	14.9	14.9	14.9	14.9	14.9	14.9	22.4	22.4	22.4	22.4	22.4
5 MHz	15.2	15.2	15.2	15.2	15.2	15.2	22.5	22.5	22.5	22.5	22.5
3	15.0	15.0	15.0	15.0	15.0	15.0	22.4	22.4	22.4	22.4	22.4
1.4 MHz	15.0	15.0	15.0	15.0	15.0	15.0	22.5	22.5	22.5	22.5	22.5



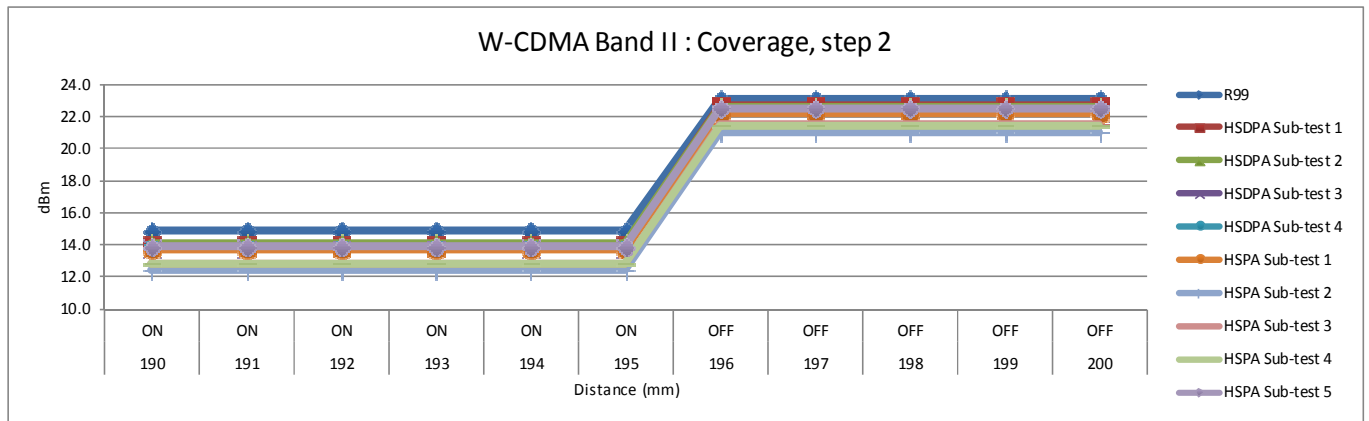
Coverage step 2, GSM850												
Distance (mm):	184	185	186	187	188	189	190	191	192	193	194	195
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
GPRS 1 Slot (GMSK)	29.4	29.4	29.4	29.4	29.4	29.4	32.1	32.1	32.1	32.1	32.1	32.1
GPRS 2 Slots (GMSK)	26.0	26.0	26.0	26.0	26.0	26.0	32.0	32.0	32.0	32.0	32.0	32.0
EGPRS 1 Slot (8PSK)	27.2	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3
EGPRS 2 Slots (8PSK)	25.6	25.6	25.6	25.6	25.6	25.6	27.1	27.1	27.1	27.1	27.1	27.1
EGPRS 3 Slot (8PSK)	23.9	23.9	23.9	23.9	23.9	23.9	26.9	26.9	26.9	26.9	26.9	26.9
EGPRS 4 Slot (8PSK)	23.0	23.0	23.0	23.0	23.0	23.0	26.8	26.8	26.8	26.8	26.8	26.8



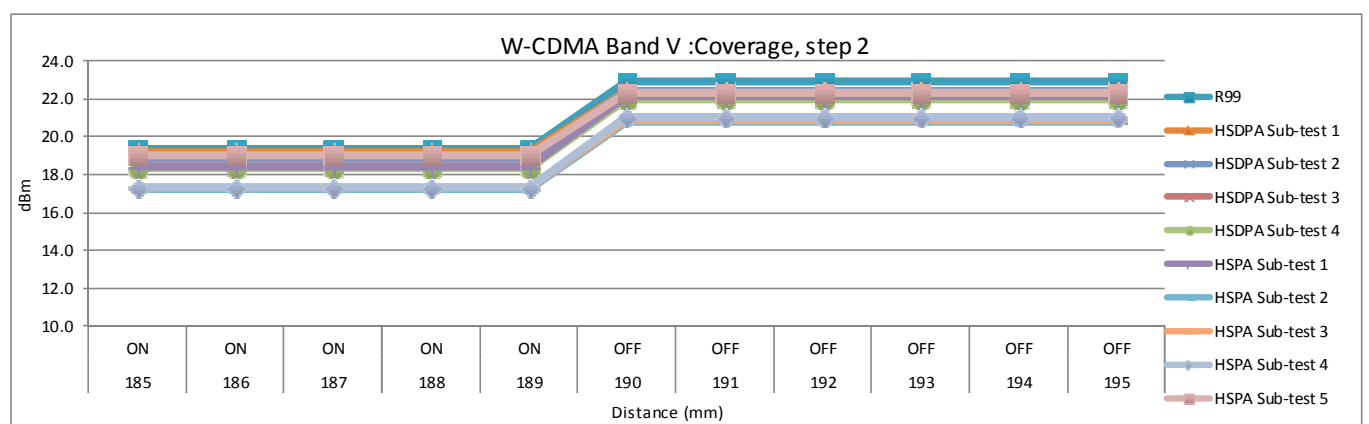
Coverage step 2, GSM1900												
Distance (mm):	190	191	192	193	194	195	196	197	198	199	200	201
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
GPRS 1 Slot (GMSK)	24.0	24.0	24.0	24.0	24.0	24.0	29.3	29.3	29.3	29.3	29.3	29.3
GPRS 2 Slots (GMSK)	20.8	20.8	20.8	20.8	20.8	20.8	29.2	29.2	29.2	29.2	29.2	29.2
EGPRS 1 Slot (8PSK)	23.3	23.3	23.3	23.3	23.3	23.3	25.5	25.5	25.5	25.5	25.5	25.5
EGPRS 2 Slots (8PSK)	20.6	20.6	20.6	20.6	20.6	20.6	25.3	25.3	25.3	25.3	25.3	25.3
EGPRS 3 Slot (8PSK)	18.6	18.6	18.6	18.6	18.6	18.6	25.2	25.2	25.2	25.2	25.2	25.2
EGPRS 4 Slots (8PSK)	17.5	17.5	17.5	17.5	17.5	17.5	25.1	25.1	25.1	25.1	25.1	25.1



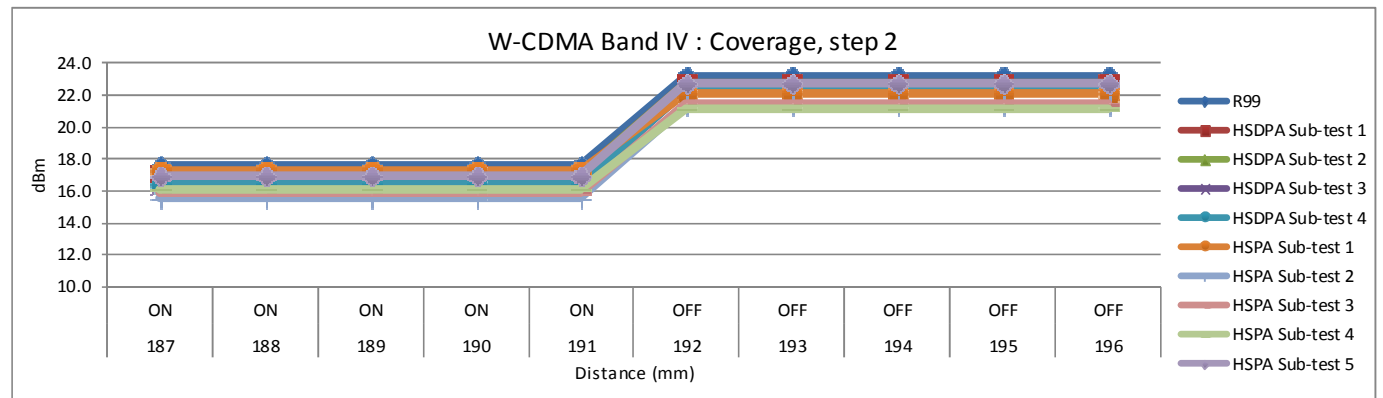
Coverage step 2, W-CDMA Band II											
Distance (mm):	190	191	192	193	194	195	196	197	198	199	200
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
R99	14.9	14.9	14.9	14.9	14.9	14.9	23.1	23.1	23.1	23.1	23.1
HSDPA Sub-test 1	14.0	14.0	14.0	14.0	14.0	14.0	22.7	22.7	22.7	22.7	22.7
HSDPA Sub-test 2	14.1	14.1	14.1	14.1	14.1	14.1	22.6	22.6	22.6	22.6	22.6
HSDPA Sub-test 3	13.8	13.8	13.8	13.8	13.8	13.8	22.2	22.2	22.2	22.2	22.2
HSDPA Sub-test 4	13.8	13.8	13.8	13.8	13.8	13.8	22.2	22.2	22.2	22.2	22.2
HSPA Sub-test 1	13.7	13.7	13.7	13.7	13.7	13.7	22.3	22.3	22.3	22.3	22.3
HSPA Sub-test 2	12.5	12.5	12.5	12.5	12.5	12.5	21.1	21.1	21.1	21.1	21.1
HSPA Sub-test 3	12.8	12.8	12.8	12.8	12.8	12.8	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 4	12.9	12.9	12.9	12.9	12.9	12.9	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 5	13.9	13.9	13.9	13.9	13.9	13.9	22.5	22.5	22.5	22.5	22.5



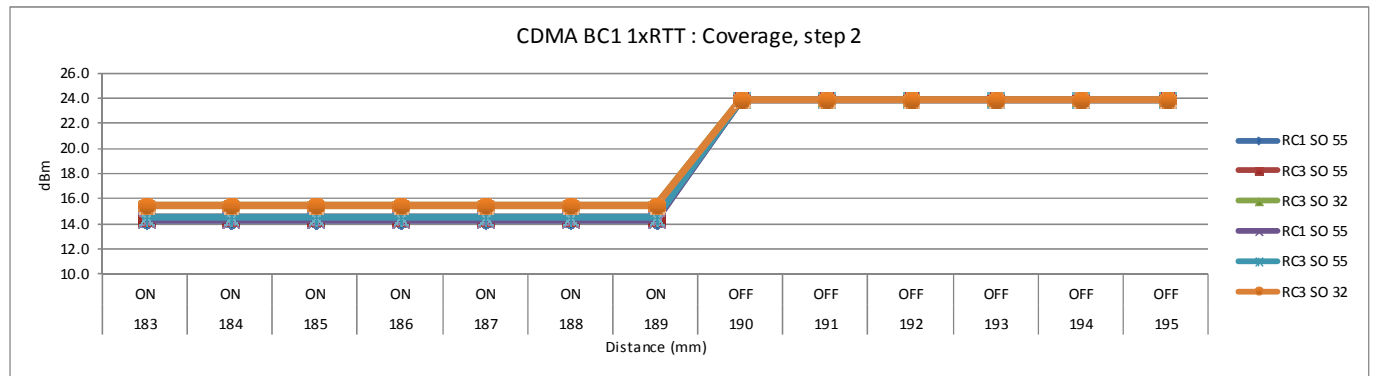
Coverage step 2, W-CDMA Band V											
Distance (mm):	185	186	187	188	189	190	191	192	193	194	195
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
R99	19.3	19.3	19.3	19.3	19.3	22.9	22.9	22.9	22.9	22.9	22.9
HSDPA Sub-test 1	19.2	19.2	19.2	19.2	19.2	22.4	22.4	22.4	22.4	22.4	22.4
HSDPA Sub-test 2	18.8	18.8	18.8	18.8	18.8	22.4	22.4	22.4	22.4	22.4	22.4
HSDPA Sub-test 3	18.4	18.4	18.4	18.4	18.4	22.1	22.1	22.1	22.1	22.1	22.1
HSDPA Sub-test 4	18.3	18.3	18.3	18.3	18.3	22.0	22.0	22.0	22.0	22.0	22.0
HSPA Sub-test 1	18.4	18.4	18.4	18.4	18.4	22.1	22.1	22.1	22.1	22.1	22.1
HSPA Sub-test 2	17.3	17.3	17.3	17.3	17.3	20.8	20.8	20.8	20.8	20.8	20.8
HSPA Sub-test 3	17.3	17.3	17.3	17.3	17.3	20.9	20.9	20.9	20.9	20.9	20.9
HSPA Sub-test 4	17.4	17.4	17.4	17.4	17.4	21.0	21.0	21.0	21.0	21.0	21.0
HSPA Sub-test 5	19.0	19.0	19.0	19.0	19.0	22.3	22.3	22.3	22.3	22.3	22.3



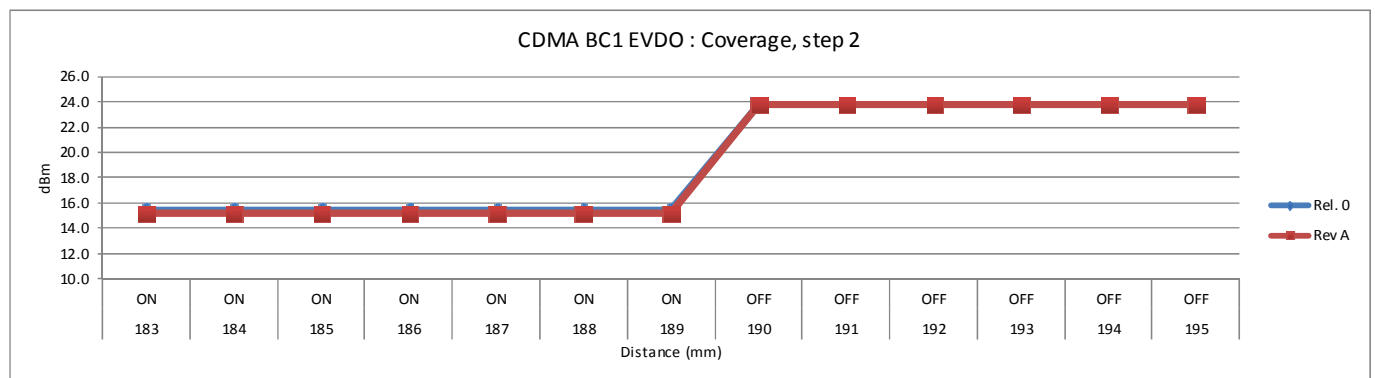
Coverage step 2, W-CDMA Band IV										
Distance (mm):	187	188	189	190	191	192	193	194	195	196
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
R99	17.6	17.6	17.6	17.6	17.6	23.2	23.2	23.2	23.2	23.2
HSDPA Sub-test 1	17.1	17.1	17.1	17.1	17.1	22.8	22.8	22.8	22.8	22.8
HSDPA Sub-test 2	17.0	17.0	17.0	17.0	17.0	22.8	22.8	22.8	22.8	22.8
HSDPA Sub-test 3	16.5	16.5	16.5	16.5	16.5	22.3	22.3	22.3	22.3	22.3
HSDPA Sub-test 4	16.5	16.5	16.5	16.5	16.5	22.3	22.3	22.3	22.3	22.3
HSPA Sub-test 1	17.3	17.3	17.3	17.3	17.3	22.2	22.2	22.2	22.2	22.2
HSPA Sub-test 2	15.5	15.5	15.5	15.5	15.5	21.4	21.4	21.4	21.4	21.4
HSPA Sub-test 3	15.9	15.9	15.9	15.9	15.9	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 4	16.1	16.1	16.1	16.1	16.1	21.2	21.2	21.2	21.2	21.2
HSPA Sub-test 5	16.9	16.9	16.9	16.9	16.9	22.7	22.7	22.7	22.7	22.7



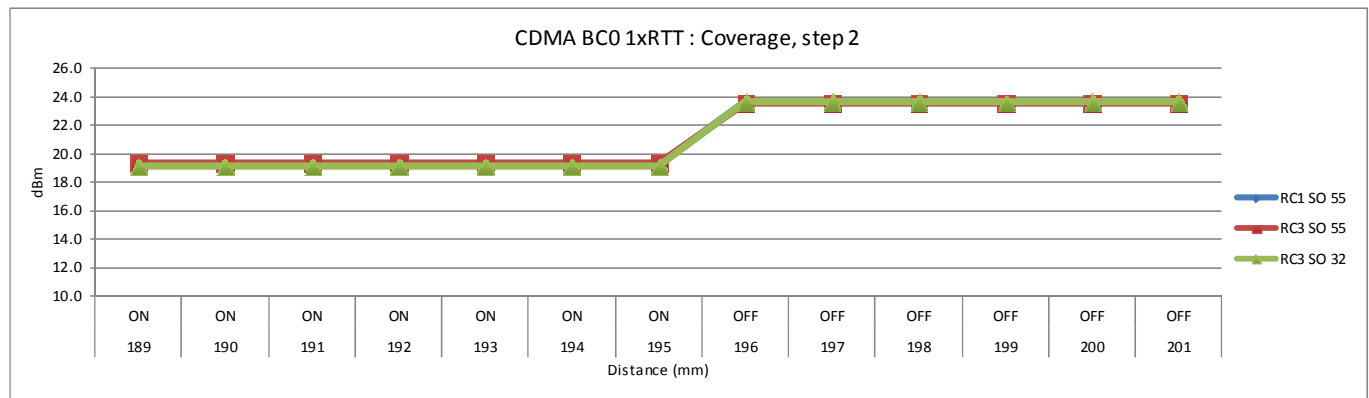
Coverage step 2, CDMA BC1 1xRTT													
Distance (mm):	183	184	185	186	187	188	189	190	191	192	193	194	195
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	14.3	14.3	14.3	14.3	14.3	14.3	14.3	23.9	23.9	23.9	23.9	23.9	23.9
RC3 SO 55	14.5	14.5	14.5	14.5	14.5	14.5	14.5	23.8	23.8	23.8	23.8	23.8	23.8
RC3 SO 32	15.5	15.5	15.5	15.5	15.5	15.5	15.5	23.9	23.9	23.9	23.9	23.9	23.9



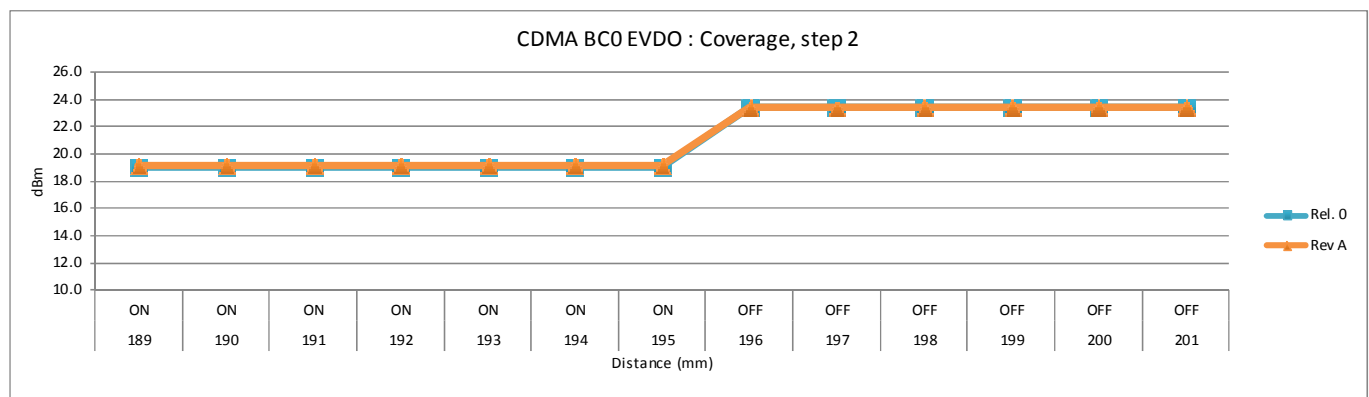
Coverage step 2, CDMA BC1 EVDO													
Distance (mm):	183	184	185	186	187	188	189	190	191	192	193	194	195
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	23.8	23.8	23.8	23.8	23.8	23.8
Rev A	15.2	15.2	15.2	15.2	15.2	15.2	15.2	23.8	23.8	23.8	23.8	23.8	23.8



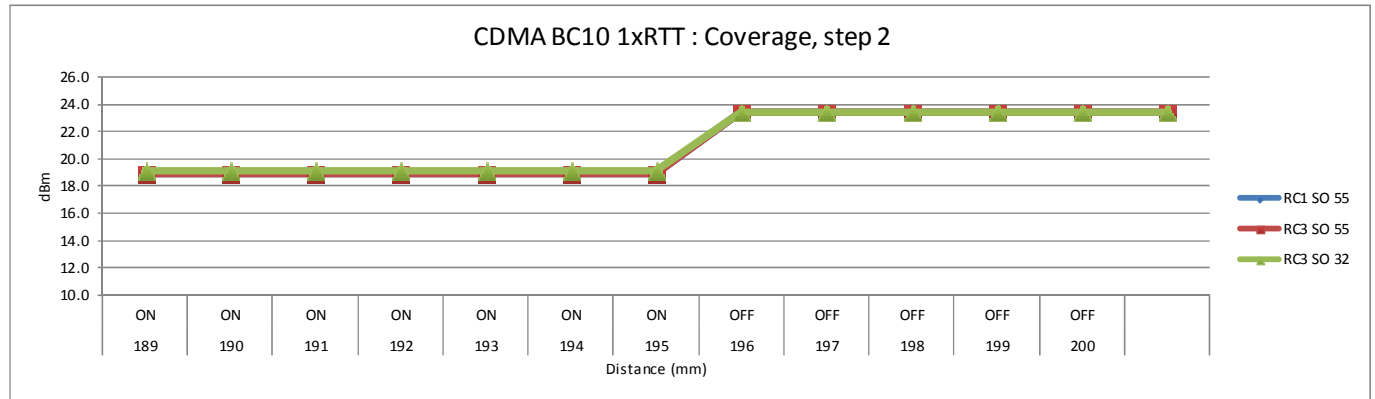
Coverage step 2, CDMA BC0 1xRTT													
Distance (mm):	189	190	191	192	193	194	195	196	197	198	199	200	201
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	19.2	19.2	19.2	19.2	19.2	19.2	19.2	23.6	23.6	23.6	23.6	23.6	23.6
RC3 SO 55	19.4	19.4	19.4	19.4	19.4	19.4	19.4	23.6	23.6	23.6	23.6	23.6	23.6
RC3 SO 32	19.2	19.2	19.2	19.2	19.2	19.2	19.2	23.6	23.6	23.6	23.6	23.6	23.6



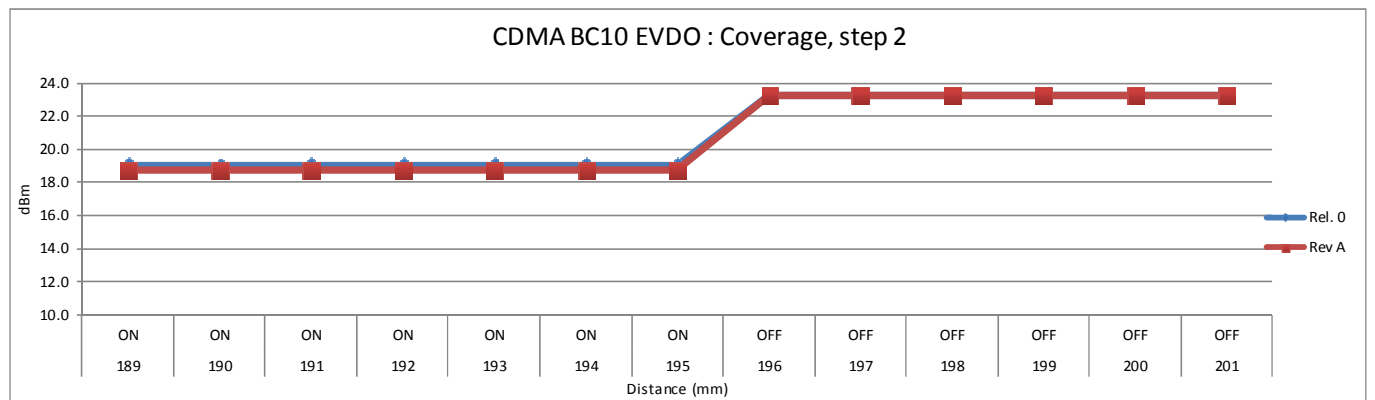
Coverage step 2, CDMA BC0 EVDO													
Distance (mm):	189	190	191	192	193	194	195	196	197	198	199	200	201
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23.4	23.4	23.4	23.4	23.4	23.4
Rev A	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23.4	23.4	23.4	23.4	23.4	23.4



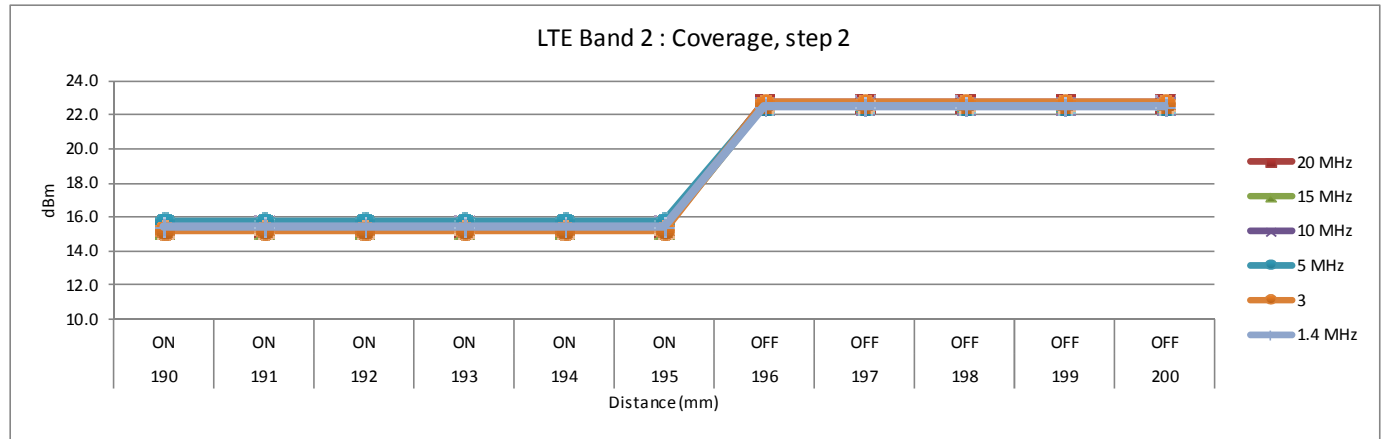
Coverage step 2, CDMA BC10 1xRTT													
Distance (mm):	189	190	191	192	193	194	195	196	197	198	199	200	201
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	18.9	18.9	18.9	18.9	18.9	18.9	18.9	23.4	23.4	23.4	23.4	23.4	23.4
RC3 SO 55	18.9	18.9	18.9	18.9	18.9	18.9	18.9	23.4	23.4	23.4	23.4	23.4	23.4
RC3 SO 32	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23.5	23.5	23.5	23.5	23.5	23.5



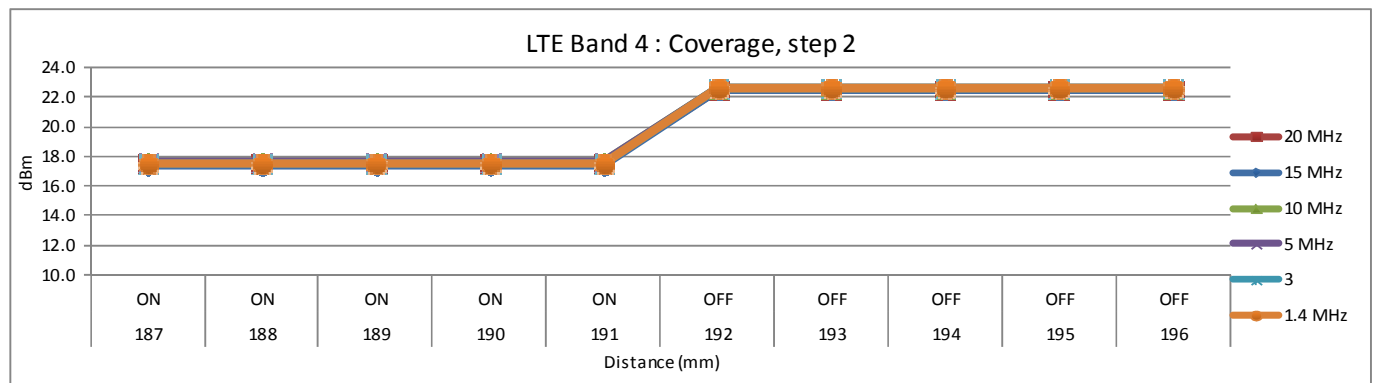
Coverage step 2, CDMA BC10 EVDO													
Distance (mm):	189	190	191	192	193	194	195	196	197	198	199	200	201
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	23.3	23.3	23.3	23.3	23.3	23.3
Rev A	18.7	18.7	18.7	18.7	18.7	18.7	18.7	23.2	23.2	23.2	23.2	23.2	23.2



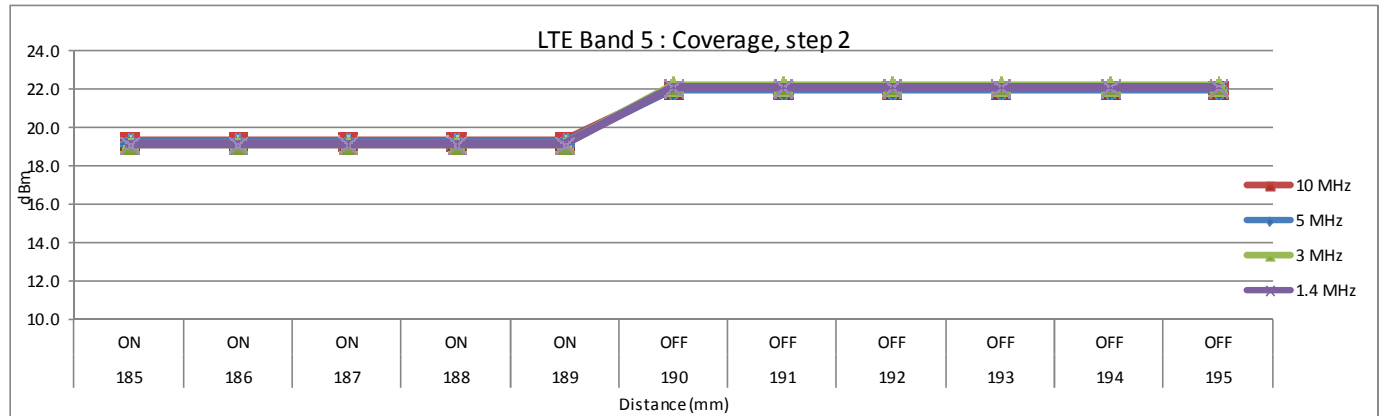
Coverage step 2, LTE Band 2											
Distance (mm):	190	191	192	193	194	195	196	197	198	199	200
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
20 MHz	15.3	15.3	15.3	15.3	15.3	15.3	22.7	22.7	22.7	22.7	22.7
15 MHz	15.3	15.3	15.3	15.3	15.3	15.3	22.6	22.6	22.6	22.6	22.6
10 MHz	15.5	15.5	15.5	15.5	15.5	15.5	22.6	22.6	22.6	22.6	22.6
5 MHz	15.7	15.7	15.7	15.7	15.7	15.7	22.6	22.6	22.6	22.6	22.6
3	15.2	15.2	15.2	15.2	15.2	15.2	22.7	22.7	22.7	22.7	22.7
1.4 MHz	15.4	15.4	15.4	15.4	15.4	15.4	22.6	22.6	22.6	22.6	22.6



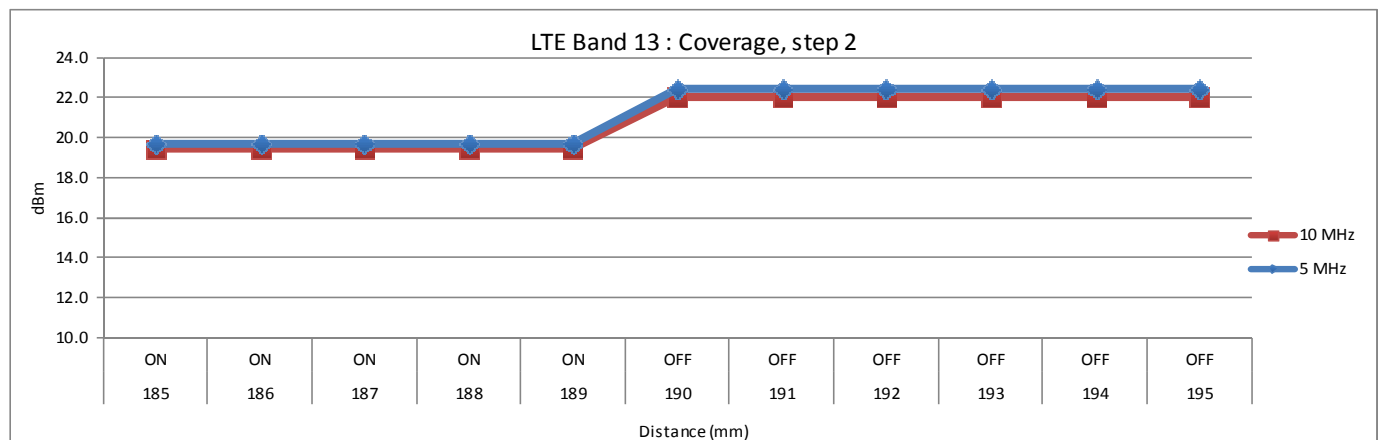
Coverage step 2, LTE Band 4											
Distance (mm):	187	188	189	190	191	192	193	194	195	196	
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	
20 MHz	17.5	17.5	17.5	17.5	17.5	22.5	22.5	22.5	22.5	22.5	
15 MHz	17.4	17.4	17.4	17.4	17.4	22.5	22.5	22.5	22.5	22.5	
10 MHz	17.6	17.6	17.6	17.6	17.6	22.6	22.6	22.6	22.6	22.6	
5 MHz	17.7	17.7	17.7	17.7	17.7	22.6	22.6	22.6	22.6	22.6	
3	17.6	17.6	17.6	17.6	17.6	22.6	22.6	22.6	22.6	22.6	
1.4 MHz	17.5	17.5	17.5	17.5	17.5	22.6	22.6	22.6	22.6	22.6	



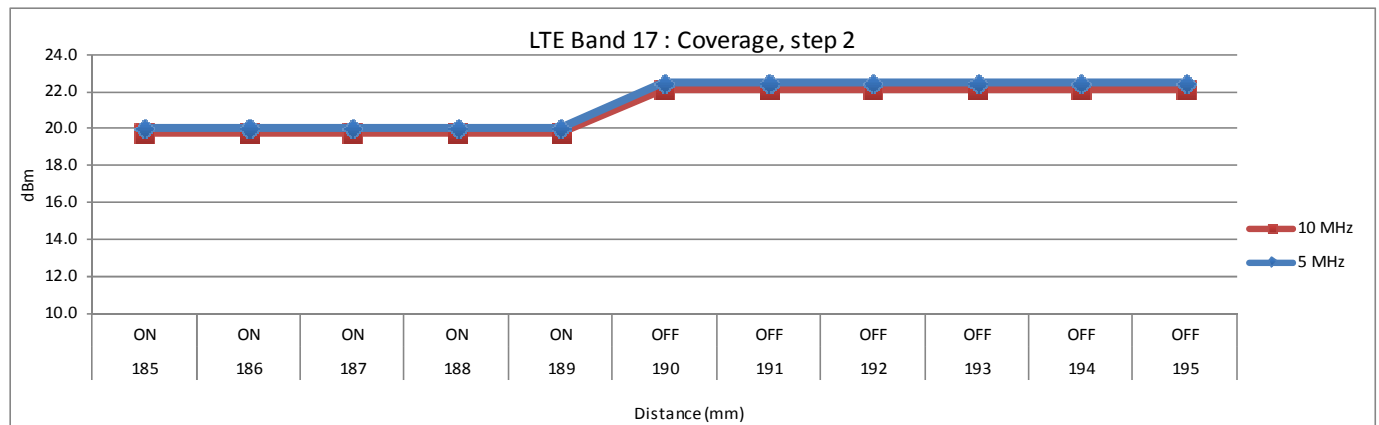
Coverage step 2, LTE Band 5											
Distance (mm):	185	186	187	188	189	190	191	192	193	194	195
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.3	19.3	19.3	19.3	19.3	22.0	22.0	22.0	22.0	22.0	22.0
5 MHz	19.3	19.3	19.3	19.3	19.3	22.0	22.0	22.0	22.0	22.0	22.0
3 MHz	19.2	19.2	19.2	19.2	19.2	22.2	22.2	22.2	22.2	22.2	22.2
1.4 MHz	19.1	19.1	19.1	19.1	19.1	22.1	22.1	22.1	22.1	22.1	22.1



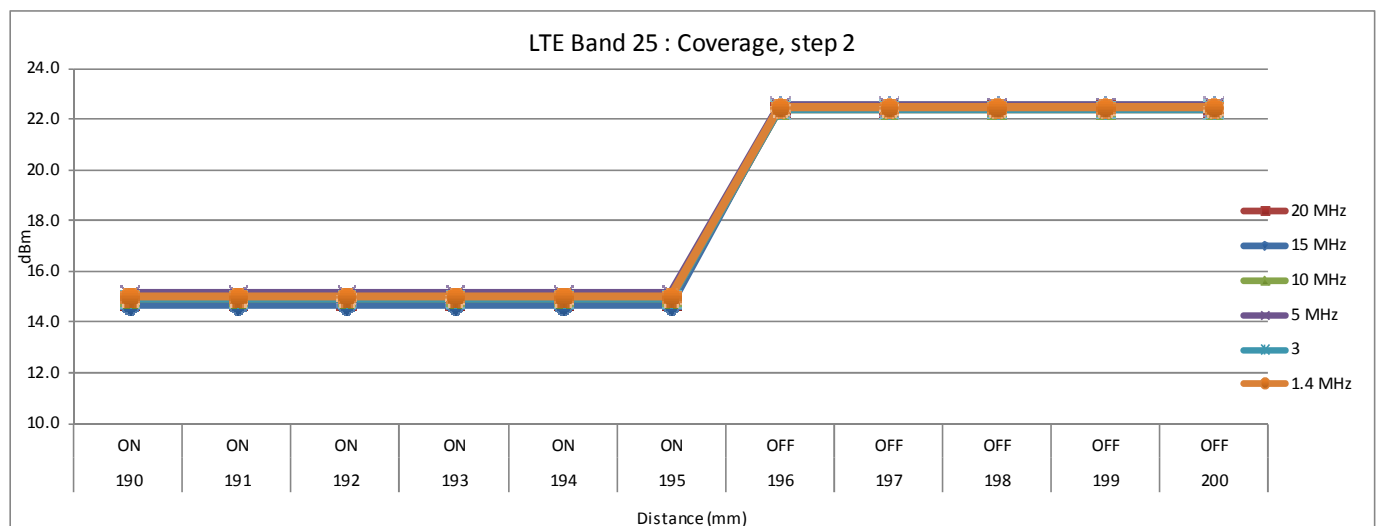
Coverage step 2, LTE Band 13											
Distance (mm):	185	186	187	188	189	190	191	192	193	194	195
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.4	19.4	19.4	19.4	19.4	22.0	22.0	22.0	22.0	22.0	22.0
5 MHz	19.7	19.7	19.7	19.7	19.7	22.5	22.5	22.5	22.5	22.5	22.5



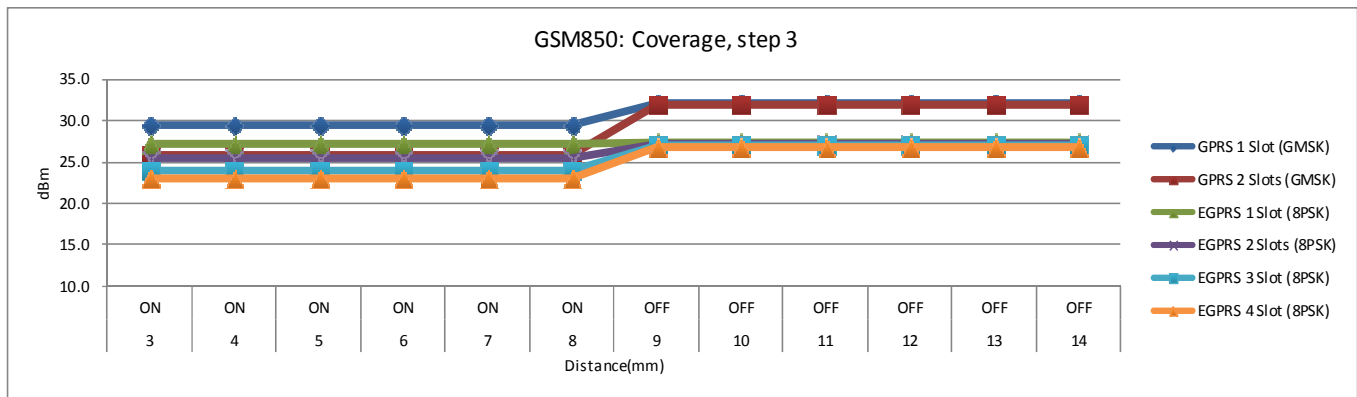
Coverage step 2, LTE Band 17											
Distance (mm):	185	186	187	188	189	190	191	192	193	194	195
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.7	19.7	19.7	19.7	19.7	22.1	22.1	22.1	22.1	22.1	22.1
5 MHz	20.1	20.1	20.1	20.1	20.1	22.5	22.5	22.5	22.5	22.5	22.5



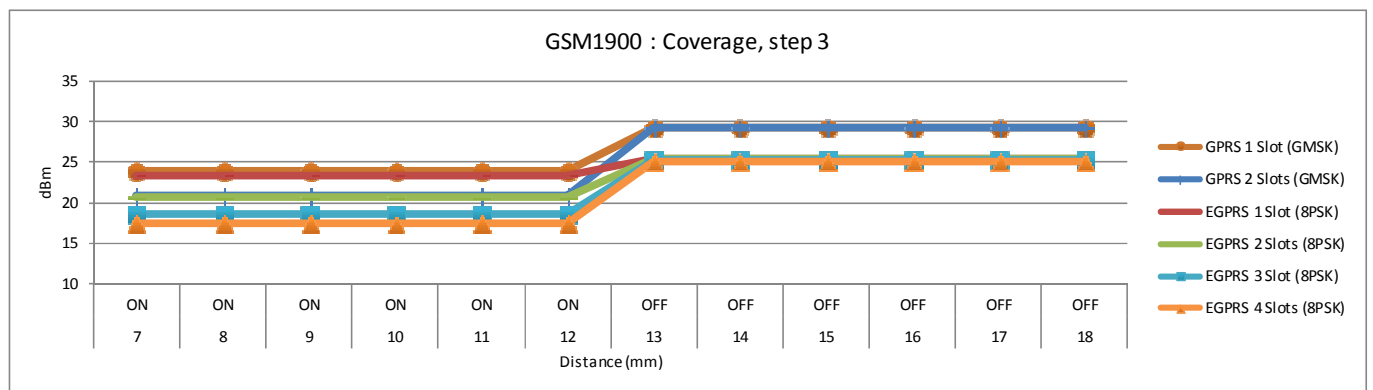
Coverage step 2, LTE Band 25											
Distance (mm):	190	191	192	193	194	195	196	197	198	199	200
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
20 MHz	14.9	14.9	14.9	14.9	14.9	14.9	22.4	22.4	22.4	22.4	22.4
15 MHz	14.7	14.7	14.7	14.7	14.7	14.7	22.5	22.5	22.5	22.5	22.5
10 MHz	14.9	14.9	14.9	14.9	14.9	14.9	22.4	22.4	22.4	22.4	22.4
5 MHz	15.2	15.2	15.2	15.2	15.2	15.2	22.5	22.5	22.5	22.5	22.5
3	15.0	15.0	15.0	15.0	15.0	15.0	22.4	22.4	22.4	22.4	22.4
1.4 MHz	15.0	15.0	15.0	15.0	15.0	15.0	22.5	22.5	22.5	22.5	22.5



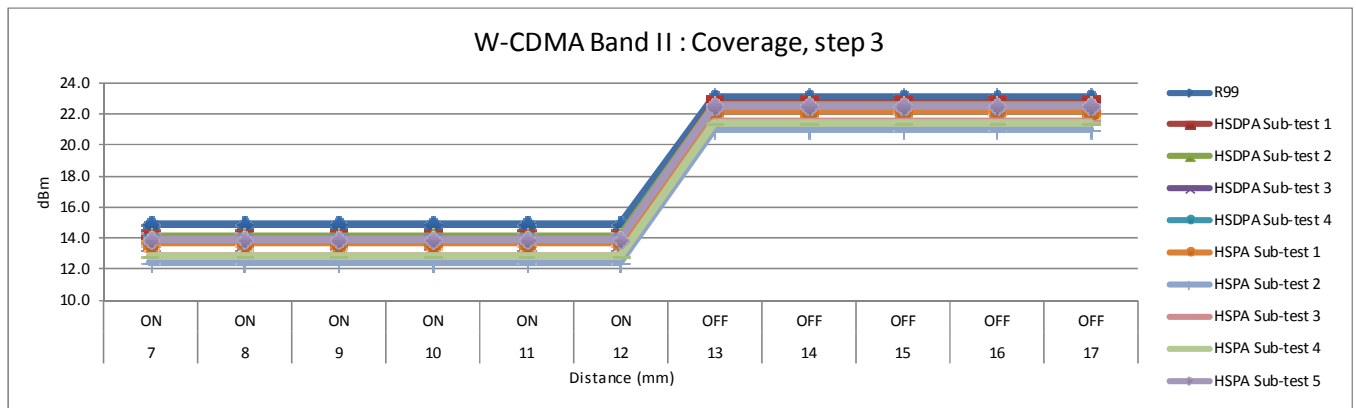
Coverage step 3, GSM850												
Distance (mm):	3	4	5	6	7	8	9	10	11	12	13	14
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
GPRS 1 Slot (GMSK)	29.4	29.4	29.4	29.4	29.4	29.4	32.1	32.1	32.1	32.1	32.1	32.1
GPRS 2 Slots (GMSK)	26.0	26.0	26.0	26.0	26.0	26.0	32.0	32.0	32.0	32.0	32.0	32.0
EGPRS 1 Slot (8PSK)	27.2	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3
EGPRS 2 Slots (8PSK)	25.6	25.6	25.6	25.6	25.6	25.6	27.1	27.1	27.1	27.1	27.1	27.1
EGPRS 3 Slot (8PSK)	23.9	23.9	23.9	23.9	23.9	23.9	26.9	26.9	26.9	26.9	26.9	26.9
EGPRS 4 Slot (8PSK)	23.0	23.0	23.0	23.0	23.0	23.0	26.8	26.8	26.8	26.8	26.8	26.8



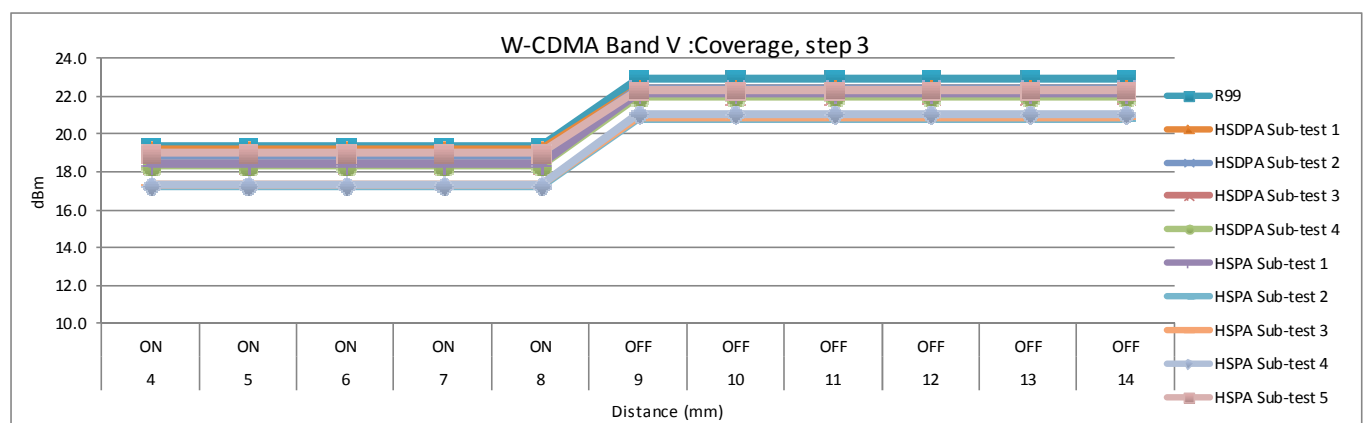
Coverage step 3, GSM1900												
Distance (mm):	7	8	9	10	11	12	13	14	15	16	17	18
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
GPRS 1 Slot (GMSK)	24.0	24.0	24.0	24.0	24.0	24.0	29.3	29.3	29.3	29.3	29.3	29.3
GPRS 2 Slots (GMSK)	20.8	20.8	20.8	20.8	20.8	20.8	29.2	29.2	29.2	29.2	29.2	29.2
EGPRS 1 Slot (8PSK)	23.3	23.3	23.3	23.3	23.3	23.3	25.5	25.5	25.5	25.5	25.5	25.5
EGPRS 2 Slots (8PSK)	20.6	20.6	20.6	20.6	20.6	20.6	25.3	25.3	25.3	25.3	25.3	25.3
EGPRS 3 Slot (8PSK)	18.6	18.6	18.6	18.6	18.6	18.6	25.2	25.2	25.2	25.2	25.2	25.2
EGPRS 4 Slots (8PSK)	17.5	17.5	17.5	17.5	17.5	17.5	25.1	25.1	25.1	25.1	25.1	25.1



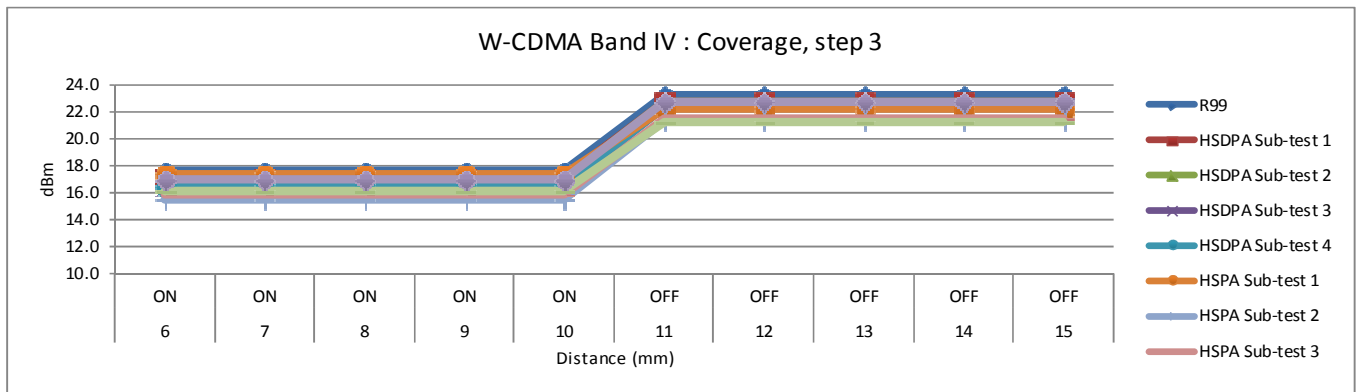
Coverage step 3, W-CDMA Band II											
Distance (mm):	7	8	9	10	11	12	13	14	15	16	17
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
R99	14.9	14.9	14.9	14.9	14.9	14.9	23.1	23.1	23.1	23.1	23.1
HSDPA Sub-test 1	14.0	14.0	14.0	14.0	14.0	14.0	22.7	22.7	22.7	22.7	22.7
HSDPA Sub-test 2	14.1	14.1	14.1	14.1	14.1	14.1	22.6	22.6	22.6	22.6	22.6
HSDPA Sub-test 3	13.8	13.8	13.8	13.8	13.8	13.8	22.2	22.2	22.2	22.2	22.2
HSDPA Sub-test 4	13.8	13.8	13.8	13.8	13.8	13.8	22.2	22.2	22.2	22.2	22.2
HSPA Sub-test 1	13.7	13.7	13.7	13.7	13.7	13.7	22.3	22.3	22.3	22.3	22.3
HSPA Sub-test 2	12.5	12.5	12.5	12.5	12.5	12.5	21.1	21.1	21.1	21.1	21.1
HSPA Sub-test 3	12.8	12.8	12.8	12.8	12.8	12.8	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 4	12.9	12.9	12.9	12.9	12.9	12.9	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 5	13.9	13.9	13.9	13.9	13.9	13.9	22.5	22.5	22.5	22.5	22.5



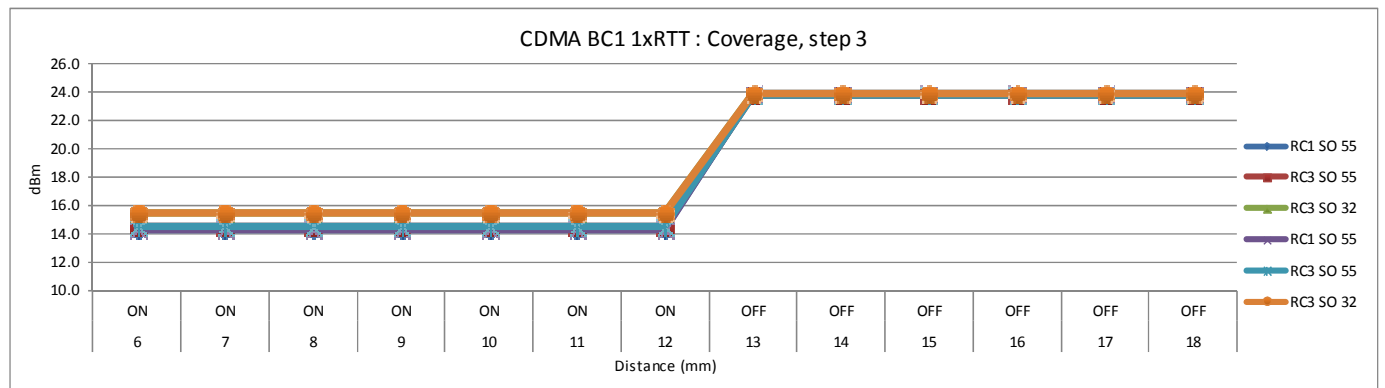
Coverage step 3, W-CDMA Band V											
Distance (mm):	4	5	6	7	8	9	10	11	12	13	14
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
R99	19.3	19.3	19.3	19.3	19.3	22.9	22.9	22.9	22.9	22.9	22.9
HSDPA Sub-test 1	19.2	19.2	19.2	19.2	19.2	22.4	22.4	22.4	22.4	22.4	22.4
HSDPA Sub-test 2	18.8	18.8	18.8	18.8	18.8	22.4	22.4	22.4	22.4	22.4	22.4
HSDPA Sub-test 3	18.4	18.4	18.4	18.4	18.4	22.1	22.1	22.1	22.1	22.1	22.1
HSDPA Sub-test 4	18.3	18.3	18.3	18.3	18.3	22.0	22.0	22.0	22.0	22.0	22.0
HSPA Sub-test 1	18.4	18.4	18.4	18.4	18.4	22.1	22.1	22.1	22.1	22.1	22.1
HSPA Sub-test 2	17.3	17.3	17.3	17.3	17.3	20.8	20.8	20.8	20.8	20.8	20.8
HSPA Sub-test 3	17.3	17.3	17.3	17.3	17.3	20.9	20.9	20.9	20.9	20.9	20.9
HSPA Sub-test 4	17.4	17.4	17.4	17.4	17.4	21.0	21.0	21.0	21.0	21.0	21.0
HSPA Sub-test 5	19.0	19.0	19.0	19.0	19.0	22.3	22.3	22.3	22.3	22.3	22.3



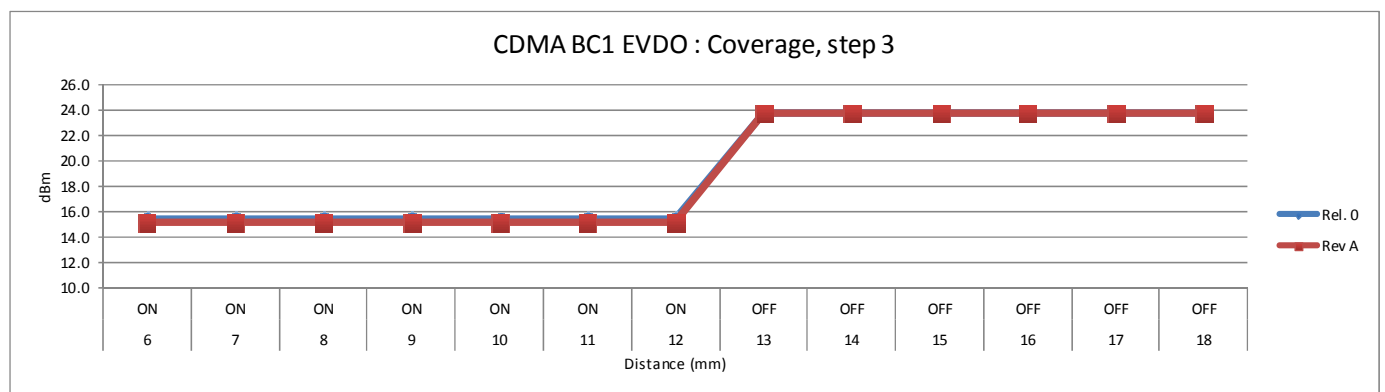
Coverage step 3, W-CDMA Band IV										
Distance (mm):	6	7	8	9	10	11	12	13	14	15
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
R99	17.6	17.6	17.6	17.6	17.6	23.2	23.2	23.2	23.2	23.2
HSDPA Sub-test 1	17.1	17.1	17.1	17.1	17.1	22.8	22.8	22.8	22.8	22.8
HSDPA Sub-test 2	17.0	17.0	17.0	17.0	17.0	22.8	22.8	22.8	22.8	22.8
HSDPA Sub-test 3	16.5	16.5	16.5	16.5	16.5	22.3	22.3	22.3	22.3	22.3
HSDPA Sub-test 4	16.5	16.5	16.5	16.5	16.5	22.3	22.3	22.3	22.3	22.3
HSPA Sub-test 1	17.3	17.3	17.3	17.3	17.3	22.2	22.2	22.2	22.2	22.2
HSPA Sub-test 2	15.5	15.5	15.5	15.5	15.5	21.4	21.4	21.4	21.4	21.4
HSPA Sub-test 3	15.9	15.9	15.9	15.9	15.9	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 4	16.1	16.1	16.1	16.1	16.1	21.2	21.2	21.2	21.2	21.2
HSPA Sub-test 5	16.9	16.9	16.9	16.9	16.9	22.7	22.7	22.7	22.7	22.7



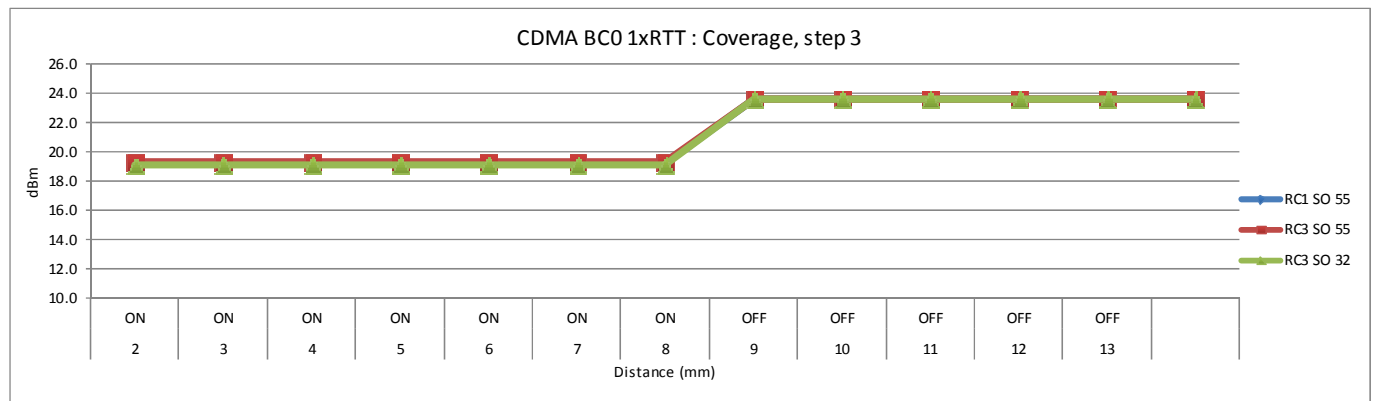
Coverage step 3, CDMA BC1 1xRTT													
Distance (mm):	6	7	8	9	10	11	12	13	14	15	16	17	18
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	14.3	14.3	14.3	14.3	14.3	14.3	14.3	23.9	23.9	23.9	23.9	23.9	23.9
RC3 SO 55	14.5	14.5	14.5	14.5	14.5	14.5	14.5	23.8	23.8	23.8	23.8	23.8	23.8
RC3 SO 32	15.5	15.5	15.5	15.5	15.5	15.5	15.5	23.9	23.9	23.9	23.9	23.9	23.9



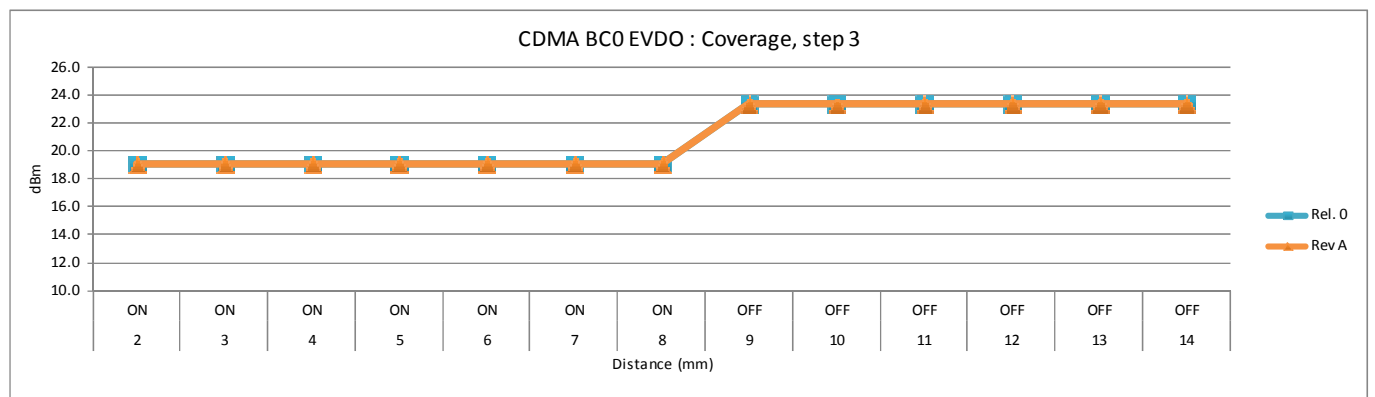
Coverage step 3, CDMA BC1 EVDO													
Distance (mm):	6	7	8	9	10	11	12	13	14	15	16	17	18
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	23.8	23.8	23.8	23.8	23.8	23.8
Rev A	15.2	15.2	15.2	15.2	15.2	15.2	15.2	23.8	23.8	23.8	23.8	23.8	23.8



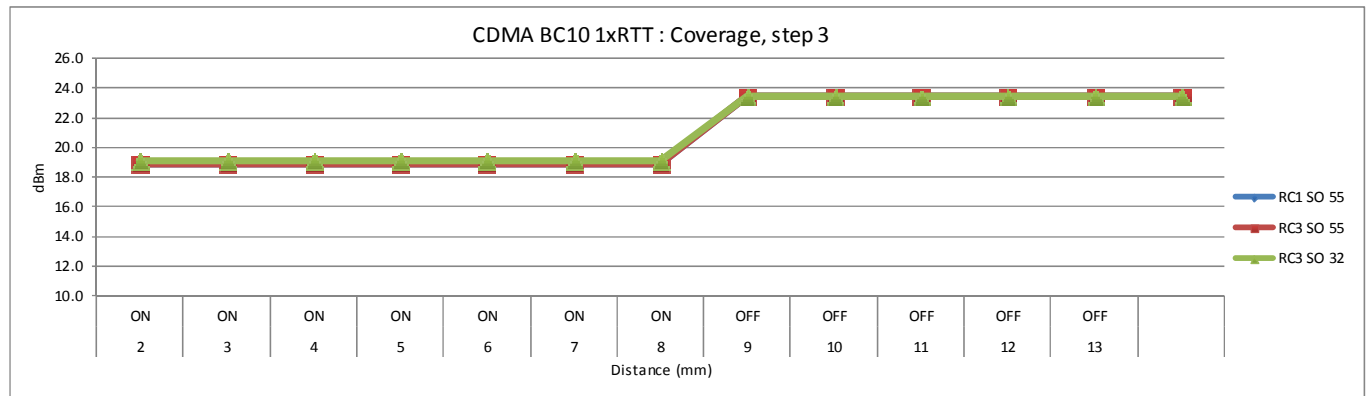
Coverage step 3, CDMA BC0 1xRTT													
Distance (mm):	2	3	4	5	6	7	8	9	10	11	12	13	14
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	19.2	19.2	19.2	19.2	19.2	19.2	19.2	23.6	23.6	23.6	23.6	23.6	23.6
RC3 SO 55	19.4	19.4	19.4	19.4	19.4	19.4	19.4	23.6	23.6	23.6	23.6	23.6	23.6
RC3 SO 32	19.2	19.2	19.2	19.2	19.2	19.2	19.2	23.6	23.6	23.6	23.6	23.6	23.6



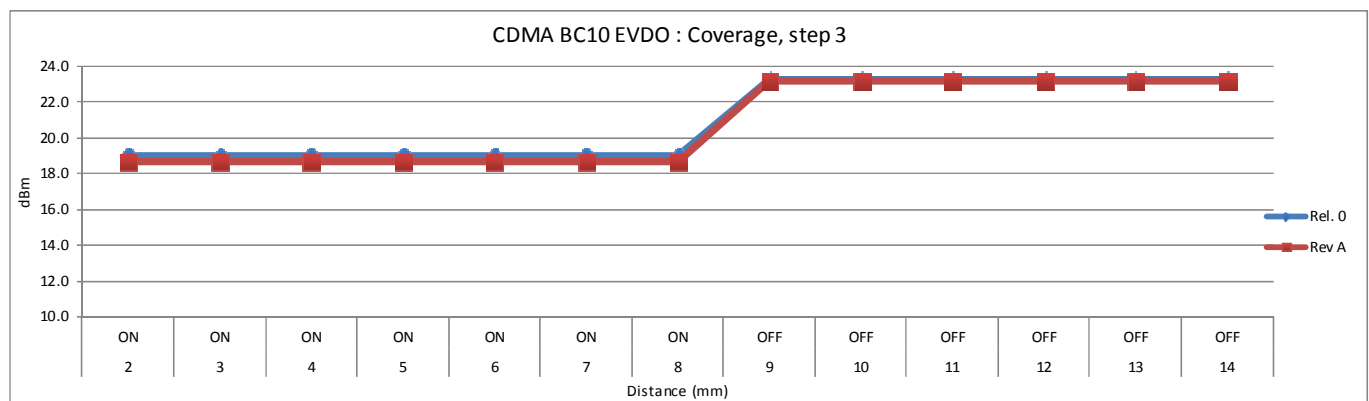
Coverage step 3, CDMA BC0 EVDO													
Distance (mm):	2	3	4	5	6	7	8	9	10	11	12	13	14
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Rel. 0	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23.4	23.4	23.4	23.4	23.4
Rev A	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23.4	23.4	23.4	23.4	23.4



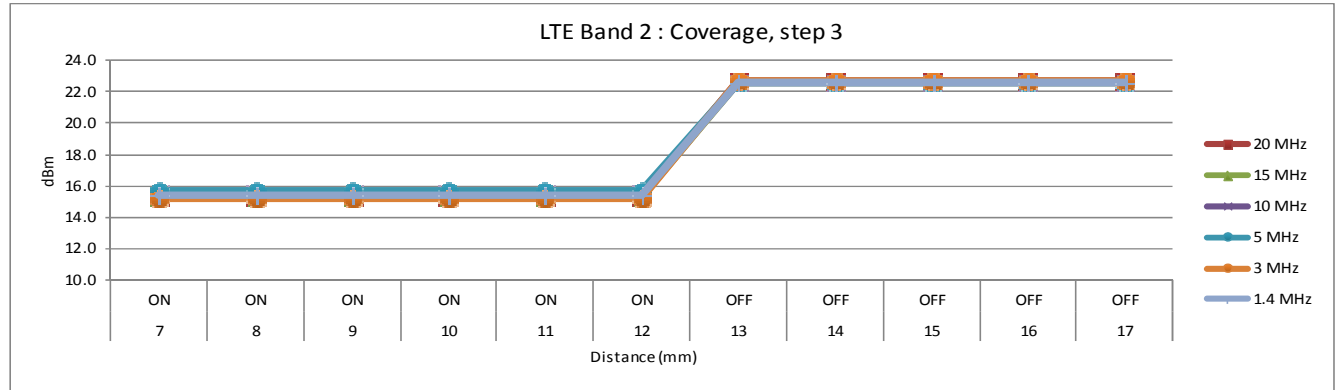
Coverage step 3, CDMA BC10 1xRTT													
Distance (mm):	2	3	4	5	6	7	8	9	10	11	12	13	14
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	18.9	18.9	18.9	18.9	18.9	18.9	18.9	23.4	23.4	23.4	23.4	23.4	23.4
RC3 SO 55	18.9	18.9	18.9	18.9	18.9	18.9	18.9	23.4	23.4	23.4	23.4	23.4	23.4
RC3 SO 32	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23.5	23.5	23.5	23.5	23.5	23.5



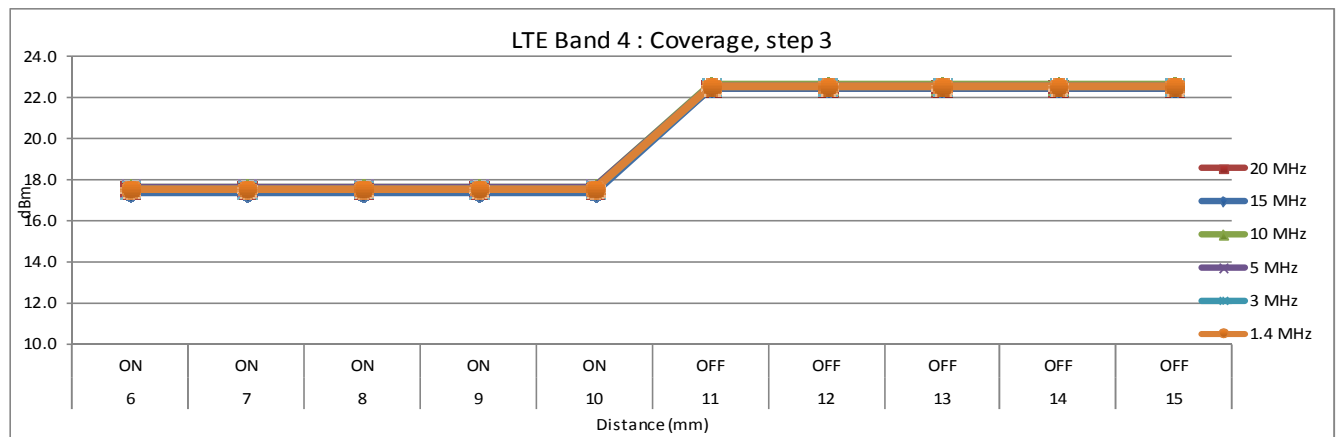
Coverage step 3, CDMA BC10 EVDO													
Distance (mm):	2	3	4	5	6	7	8	9	10	11	12	13	14
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	23.3	23.3	23.3	23.3	23.3	23.3
Rev A	18.7	18.7	18.7	18.7	18.7	18.7	18.7	23.2	23.2	23.2	23.2	23.2	23.2



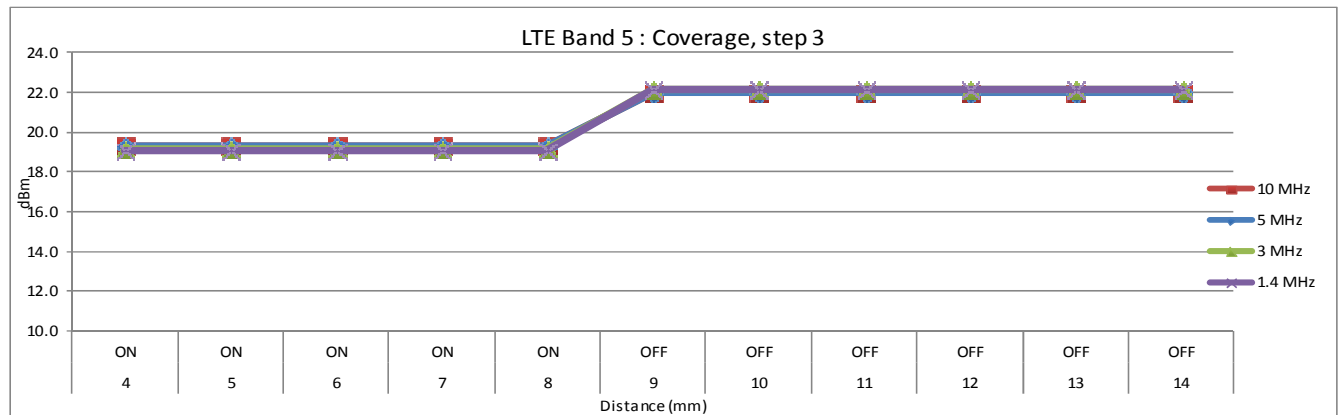
Coverage step 3, LTE Band 2											
Distance (mm):	7	8	9	10	11	12	13	14	15	16	17
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
20 MHz	15.3	15.3	15.3	15.3	15.3	15.3	22.7	22.7	22.7	22.7	22.7
15 MHz	15.3	15.3	15.3	15.3	15.3	15.3	22.6	22.6	22.6	22.6	22.6
10 MHz	15.5	15.5	15.5	15.5	15.5	15.5	22.6	22.6	22.6	22.6	22.6
5 MHz	15.7	15.7	15.7	15.7	15.7	15.7	22.6	22.6	22.6	22.6	22.6
3 MHz	15.2	15.2	15.2	15.2	15.2	15.2	22.7	22.7	22.7	22.7	22.7
1.4 MHz	15.4	15.4	15.4	15.4	15.4	15.4	22.6	22.6	22.6	22.6	22.6



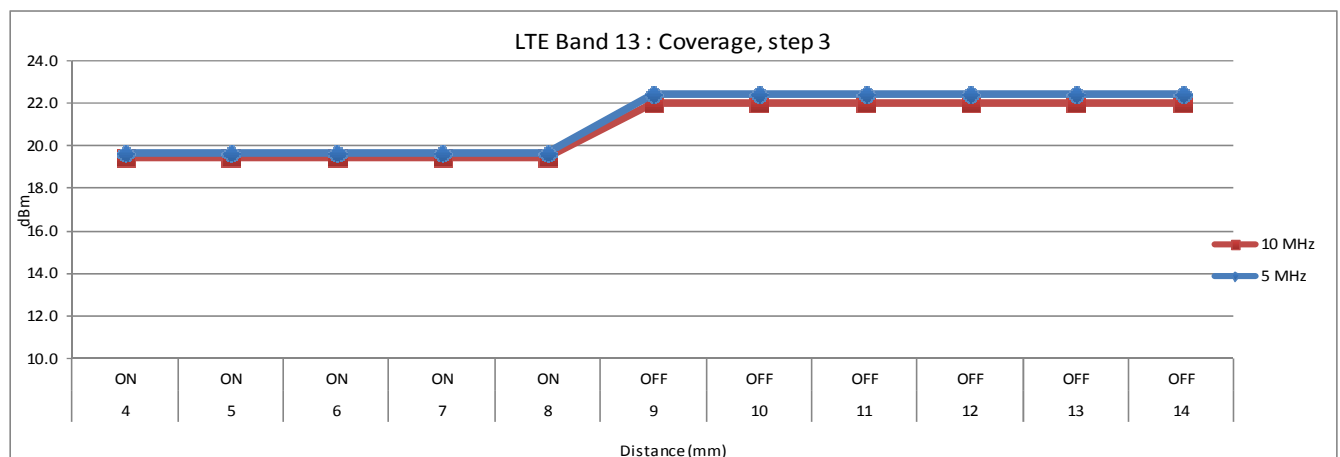
Coverage step 3, LTE Band 4										
Distance (mm):	6	7	8	9	10	11	12	13	14	15
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
20 MHz	17.5	17.5	17.5	17.5	17.5	22.5	22.5	22.5	22.5	22.5
15 MHz	17.4	17.4	17.4	17.4	17.4	22.5	22.5	22.5	22.5	22.5
10 MHz	17.6	17.6	17.6	17.6	17.6	22.6	22.6	22.6	22.6	22.6
5 MHz	17.7	17.7	17.7	17.7	17.7	22.6	22.6	22.6	22.6	22.6
3 MHz	17.6	17.6	17.6	17.6	17.6	22.6	22.6	22.6	22.6	22.6
1.4 MHz	17.5	17.5	17.5	17.5	17.5	22.6	22.6	22.6	22.6	22.6



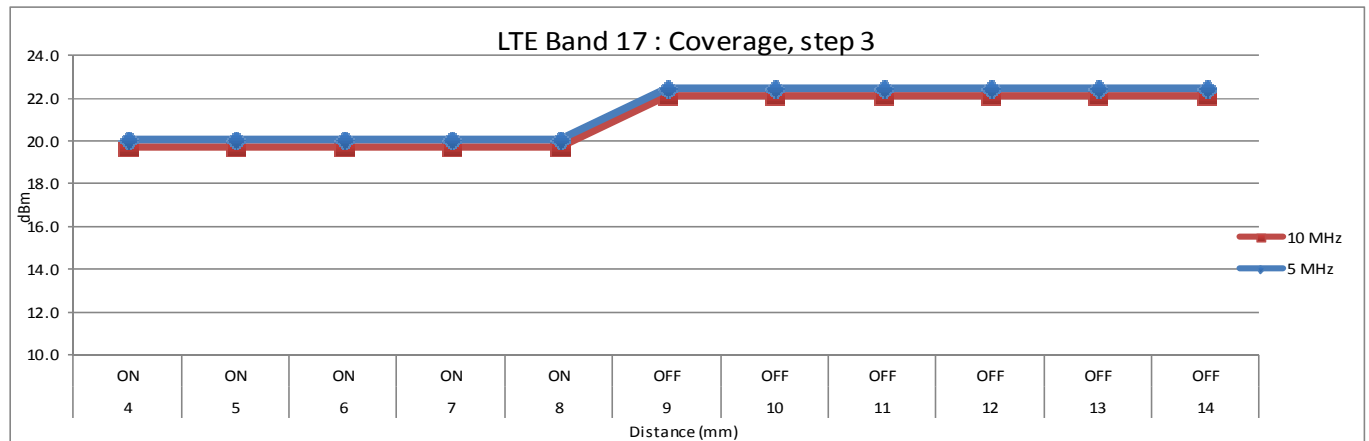
Coverage step 3, LTE Band 5											
Distance (mm):	4	5	6	7	8	9	10	11	12	13	14
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.3	19.3	19.3	19.3	19.3	22.0	22.0	22.0	22.0	22.0	22.0
5 MHz	19.3	19.3	19.3	19.3	19.3	22.0	22.0	22.0	22.0	22.0	22.0
3 MHz	19.2	19.2	19.2	19.2	19.2	22.2	22.2	22.2	22.2	22.2	22.2
1.4 MHz	19.1	19.1	19.1	19.1	19.1	22.1	22.1	22.1	22.1	22.1	22.1



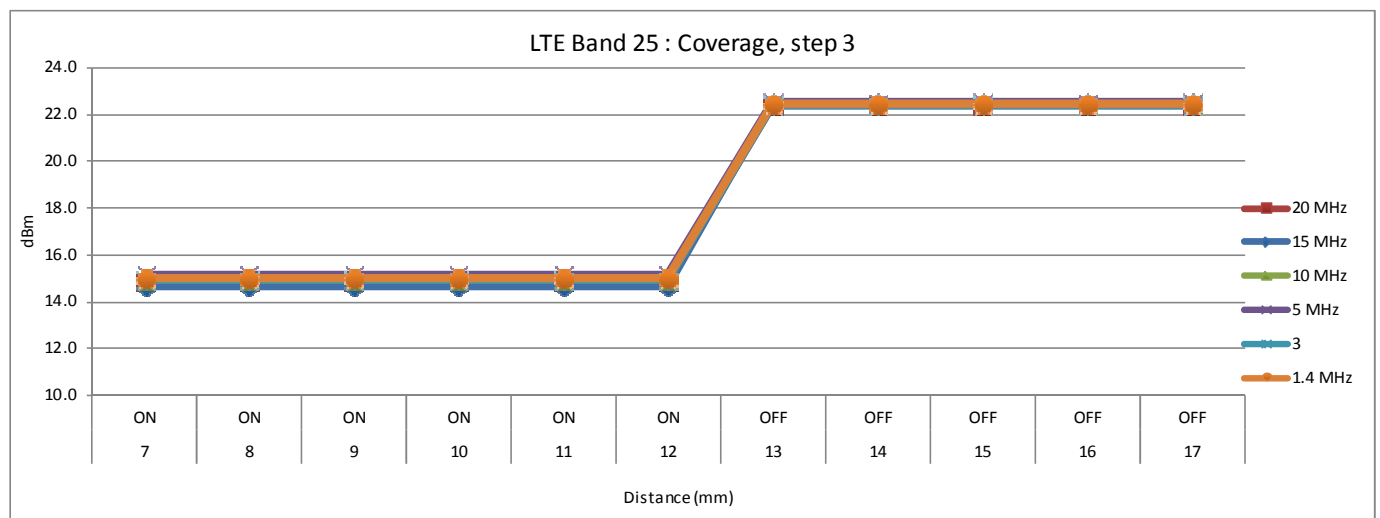
Coverage step 3, LTE Band 13											
Distance (mm):	4	5	6	7	8	9	10	11	12	13	14
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.4	19.4	19.4	19.4	19.4	22.0	22.0	22.0	22.0	22.0	22.0
5 MHz	19.7	19.7	19.7	19.7	19.7	22.5	22.5	22.5	22.5	22.5	22.5



Coverage step 3, LTE Band 17											
Distance (mm):	4	5	6	7	8	9	10	11	12	13	14
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.7	19.7	19.7	19.7	19.7	22.1	22.1	22.1	22.1	22.1	22.1
5 MHz	20.1	20.1	20.1	20.1	20.1	22.5	22.5	22.5	22.5	22.5	22.5

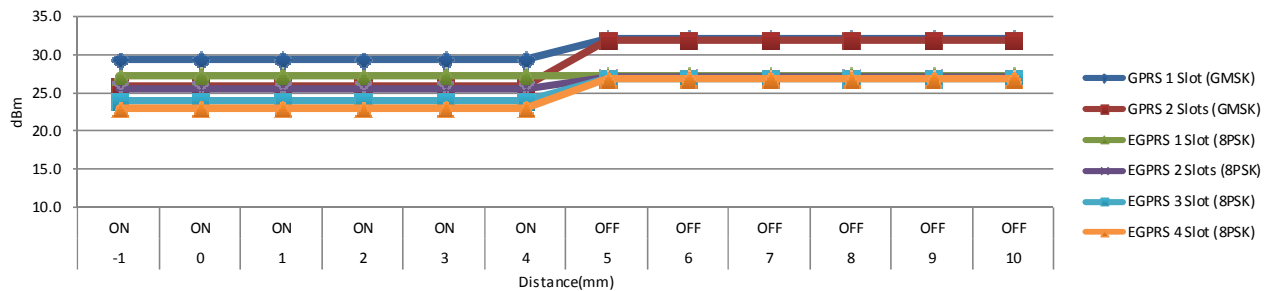


Coverage step 3, LTE Band 25											
Distance (mm):	7	8	9	10	11	12	13	14	15	16	17
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
20 MHz	14.9	14.9	14.9	14.9	14.9	14.9	22.4	22.4	22.4	22.4	22.4
15 MHz	14.7	14.7	14.7	14.7	14.7	14.7	22.5	22.5	22.5	22.5	22.5
10 MHz	14.9	14.9	14.9	14.9	14.9	14.9	22.4	22.4	22.4	22.4	22.4
5 MHz	15.2	15.2	15.2	15.2	15.2	15.2	22.5	22.5	22.5	22.5	22.5
3	15.0	15.0	15.0	15.0	15.0	15.0	22.4	22.4	22.4	22.4	22.4
1.4 MHz	15.0	15.0	15.0	15.0	15.0	15.0	22.5	22.5	22.5	22.5	22.5



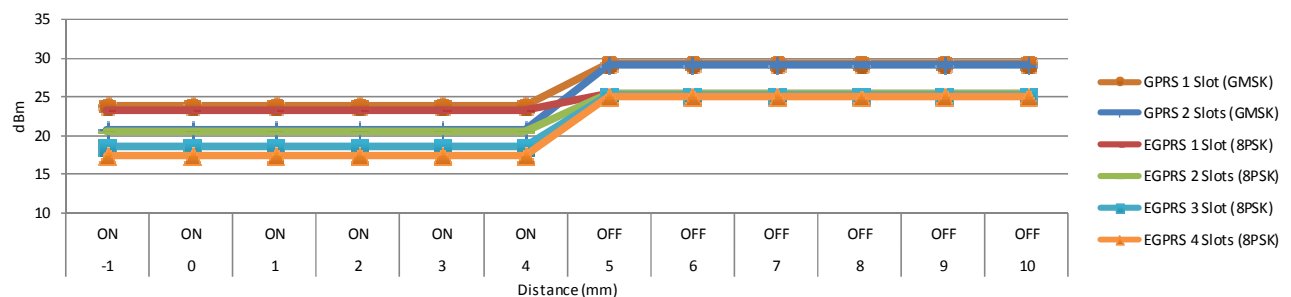
Coverage step 4, GSM850												
Distance (mm):	-1	0	1	2	3	4	5	6	7	8	9	10
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
GPRS 1 Slot (GMSK)	29.4	29.4	29.4	29.4	29.4	29.4	32.1	32.1	32.1	32.1	32.1	32.1
GPRS 2 Slots (GMSK)	26.0	26.0	26.0	26.0	26.0	26.0	32.0	32.0	32.0	32.0	32.0	32.0
EGPRS 1 Slot (8PSK)	27.2	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3
EGPRS 2 Slots (8PSK)	25.6	25.6	25.6	25.6	25.6	25.6	27.1	27.1	27.1	27.1	27.1	27.1
EGPRS 3 Slot (8PSK)	23.9	23.9	23.9	23.9	23.9	23.9	26.9	26.9	26.9	26.9	26.9	26.9
EGPRS 4 Slot (8PSK)	23.0	23.0	23.0	23.0	23.0	23.0	26.8	26.8	26.8	26.8	26.8	26.8

GSM850: Coverage, step 4

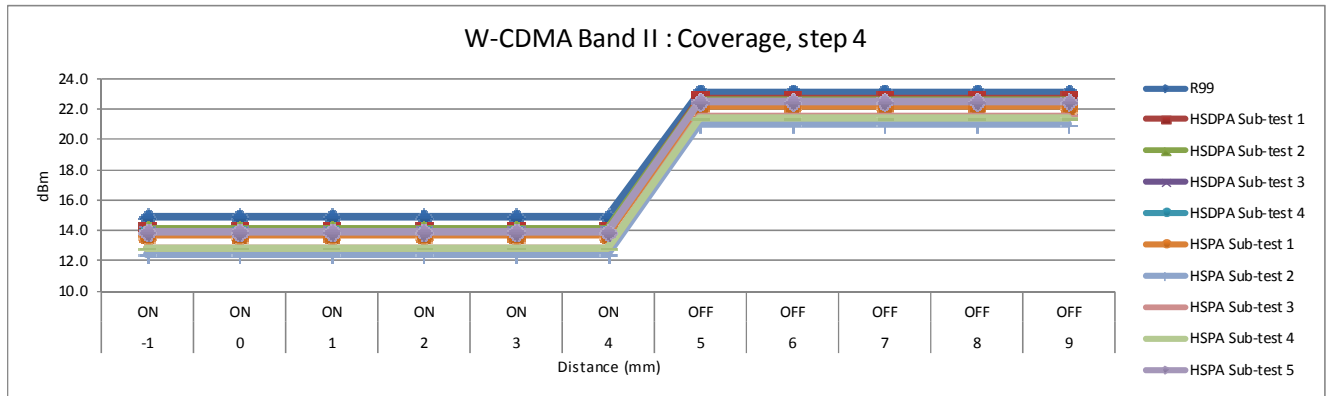


Coverage step 4, GSM1900												
Distance (mm):	-1	0	1	2	3	4	5	6	7	8	9	10
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
GPRS 1 Slot (GMSK)	24.0	24.0	24.0	24.0	24.0	24.0	29.3	29.3	29.3	29.3	29.3	29.3
GPRS 2 Slots (GMSK)	20.8	20.8	20.8	20.8	20.8	20.8	29.2	29.2	29.2	29.2	29.2	29.2
EGPRS 1 Slot (8PSK)	23.3	23.3	23.3	23.3	23.3	23.3	25.5	25.5	25.5	25.5	25.5	25.5
EGPRS 2 Slots (8PSK)	20.6	20.6	20.6	20.6	20.6	20.6	25.3	25.3	25.3	25.3	25.3	25.3
EGPRS 3 Slot (8PSK)	18.6	18.6	18.6	18.6	18.6	18.6	25.2	25.2	25.2	25.2	25.2	25.2
EGPRS 4 Slots (8PSK)	17.5	17.5	17.5	17.5	17.5	17.5	25.1	25.1	25.1	25.1	25.1	25.1

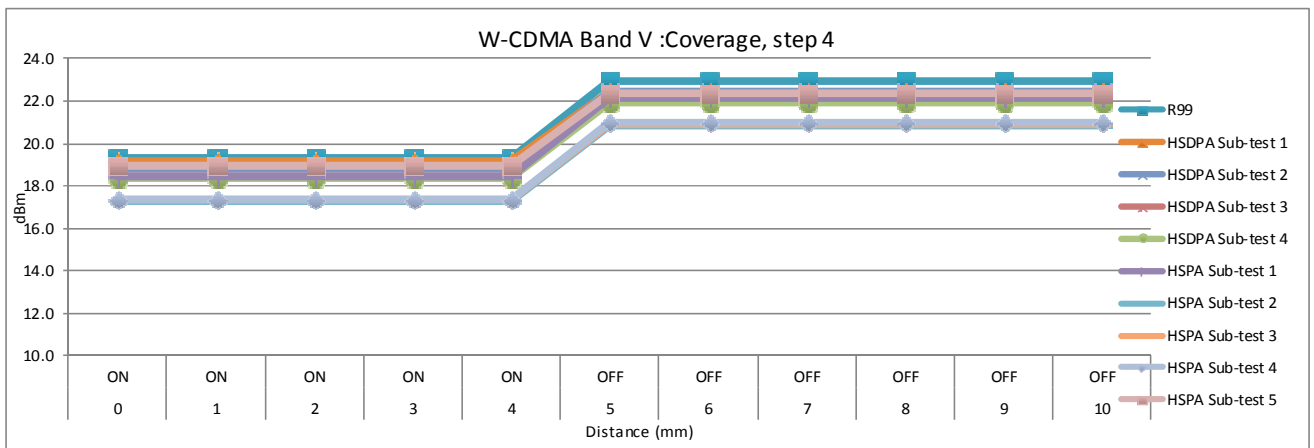
GSM1900 : Coverage, step 4



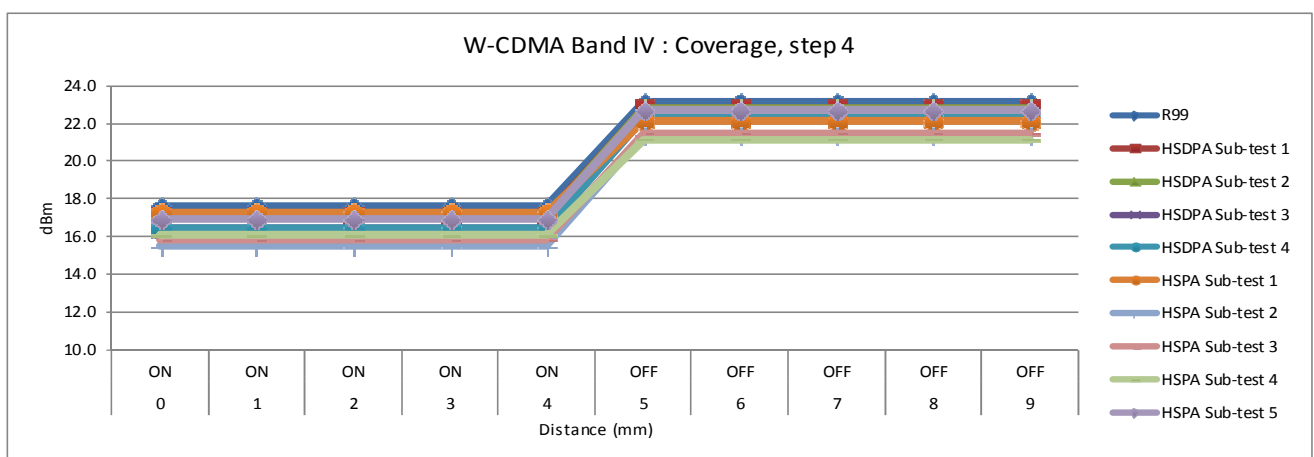
Coverage step 4, W-CDMA Band II											
Distance (mm):	-1	0	1	2	3	4	5	6	7	8	9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
R99	14.9	14.9	14.9	14.9	14.9	14.9	23.1	23.1	23.1	23.1	23.1
HSDPA Sub-test 1	14.0	14.0	14.0	14.0	14.0	14.0	22.7	22.7	22.7	22.7	22.7
HSDPA Sub-test 2	14.1	14.1	14.1	14.1	14.1	14.1	22.6	22.6	22.6	22.6	22.6
HSDPA Sub-test 3	13.8	13.8	13.8	13.8	13.8	13.8	22.2	22.2	22.2	22.2	22.2
HSDPA Sub-test 4	13.8	13.8	13.8	13.8	13.8	13.8	22.2	22.2	22.2	22.2	22.2
HSPA Sub-test 1	13.7	13.7	13.7	13.7	13.7	13.7	22.3	22.3	22.3	22.3	22.3
HSPA Sub-test 2	12.5	12.5	12.5	12.5	12.5	12.5	21.1	21.1	21.1	21.1	21.1
HSPA Sub-test 3	12.8	12.8	12.8	12.8	12.8	12.8	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 4	12.9	12.9	12.9	12.9	12.9	12.9	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 5	13.9	13.9	13.9	13.9	13.9	13.9	22.5	22.5	22.5	22.5	22.5



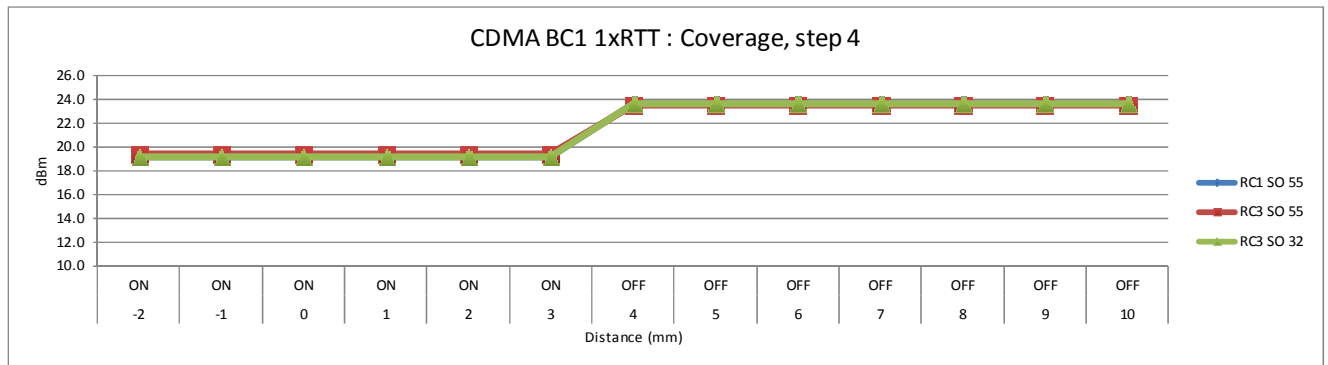
Coverage step 4, W-CDMA Band V											
Distance (mm):	0	1	2	3	4	5	6	7	8	9	10
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
R99	19.3	19.3	19.3	19.3	19.3	22.9	22.9	22.9	22.9	22.9	22.9
HSDPA Sub-test 1	19.2	19.2	19.2	19.2	19.2	22.4	22.4	22.4	22.4	22.4	22.4
HSDPA Sub-test 2	18.8	18.8	18.8	18.8	18.8	22.4	22.4	22.4	22.4	22.4	22.4
HSDPA Sub-test 3	18.4	18.4	18.4	18.4	18.4	22.1	22.1	22.1	22.1	22.1	22.1
HSDPA Sub-test 4	18.3	18.3	18.3	18.3	18.3	22.0	22.0	22.0	22.0	22.0	22.0
HSPA Sub-test 1	18.4	18.4	18.4	18.4	18.4	22.1	22.1	22.1	22.1	22.1	22.1
HSPA Sub-test 2	17.3	17.3	17.3	17.3	17.3	20.8	20.8	20.8	20.8	20.8	20.8
HSPA Sub-test 3	17.3	17.3	17.3	17.3	17.3	20.9	20.9	20.9	20.9	20.9	20.9
HSPA Sub-test 4	17.4	17.4	17.4	17.4	17.4	21.0	21.0	21.0	21.0	21.0	21.0
HSPA Sub-test 5	19.0	19.0	19.0	19.0	19.0	22.3	22.3	22.3	22.3	22.3	22.3



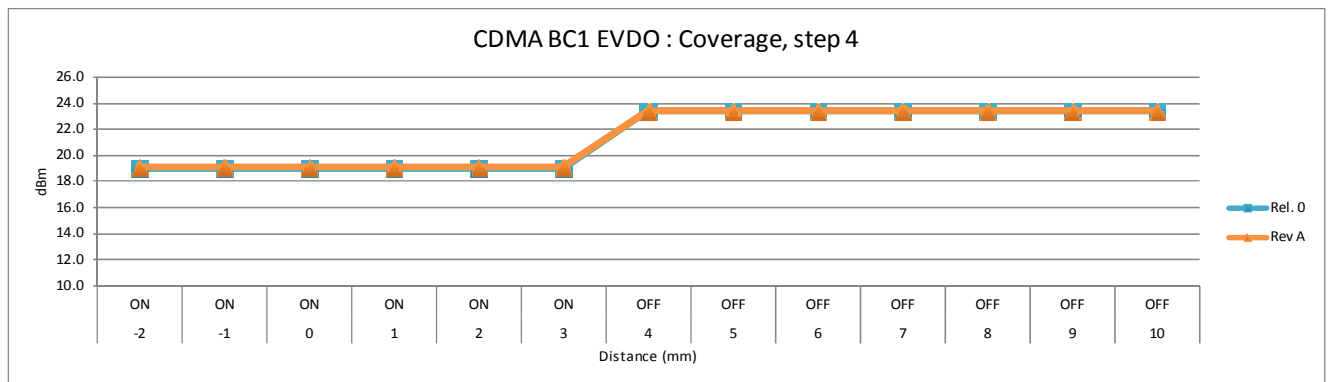
Coverage step 4, W-CDMA Band IV											
Distance (mm):	0	1	2	3	4	5	6	7	8	9	
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
R99	17.6	17.6	17.6	17.6	17.6	23.2	23.2	23.2	23.2	23.2	23.2
HSDPA Sub-test 1	17.1	17.1	17.1	17.1	17.1	22.8	22.8	22.8	22.8	22.8	22.8
HSDPA Sub-test 2	17.0	17.0	17.0	17.0	17.0	22.8	22.8	22.8	22.8	22.8	22.8
HSDPA Sub-test 3	16.5	16.5	16.5	16.5	16.5	22.3	22.3	22.3	22.3	22.3	22.3
HSDPA Sub-test 4	16.5	16.5	16.5	16.5	16.5	22.3	22.3	22.3	22.3	22.3	22.3
HSPA Sub-test 1	17.3	17.3	17.3	17.3	17.3	22.2	22.2	22.2	22.2	22.2	22.2
HSPA Sub-test 2	15.5	15.5	15.5	15.5	15.5	21.4	21.4	21.4	21.4	21.4	21.4
HSPA Sub-test 3	15.9	15.9	15.9	15.9	15.9	21.5	21.5	21.5	21.5	21.5	21.5
HSPA Sub-test 4	16.1	16.1	16.1	16.1	16.1	21.2	21.2	21.2	21.2	21.2	21.2
HSPA Sub-test 5	16.9	16.9	16.9	16.9	16.9	22.7	22.7	22.7	22.7	22.7	22.7



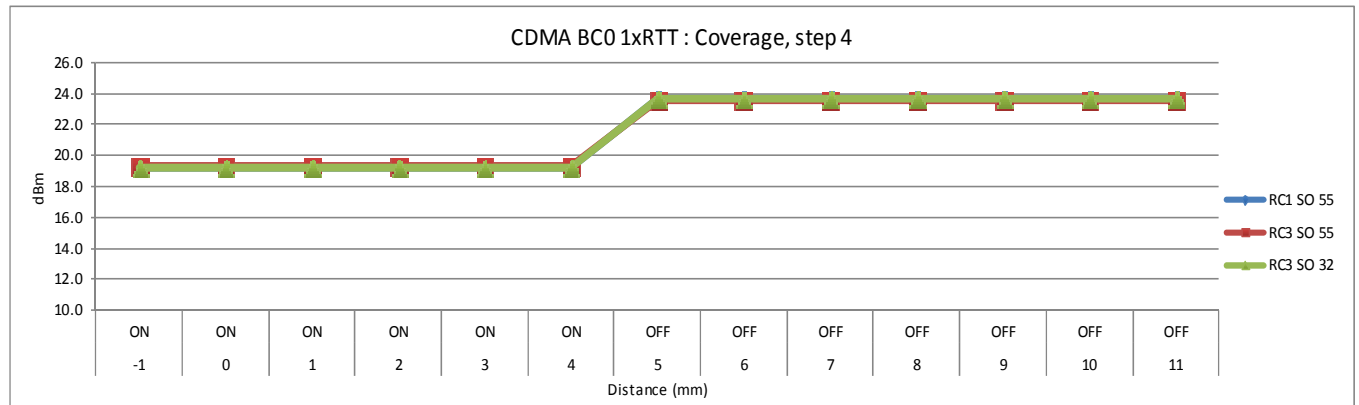
Coverage step 4, CDMA BC1 1xRTT													
Distance (mm):	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	19.2	19.2	19.2	19.2	19.2	19.2	23.6	23.6	23.6	23.6	23.6	23.6	23.6
RC3 SO 55	19.4	19.4	19.4	19.4	19.4	19.4	23.6	23.6	23.6	23.6	23.6	23.6	23.6
RC3 SO 32	19.2	19.2	19.2	19.2	19.2	19.2	23.6	23.6	23.6	23.6	23.6	23.6	23.6



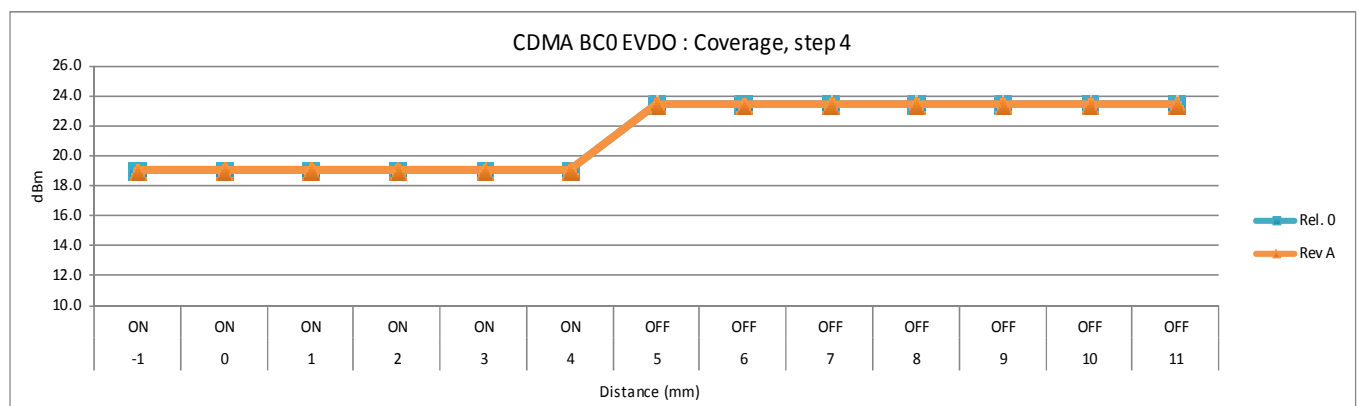
Coverage step 4, CDMA BC1 EVDO													
Distance (mm):	-2	-1	0	1	2	3	4	5	6	7	8	9	10
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	19.1	19.1	19.1	19.1	19.1	19.1	23.4	23.4	23.4	23.4	23.4	23.4	23.4
Rev A	19.1	19.1	19.1	19.1	19.1	19.1	23.4	23.4	23.4	23.4	23.4	23.4	23.4



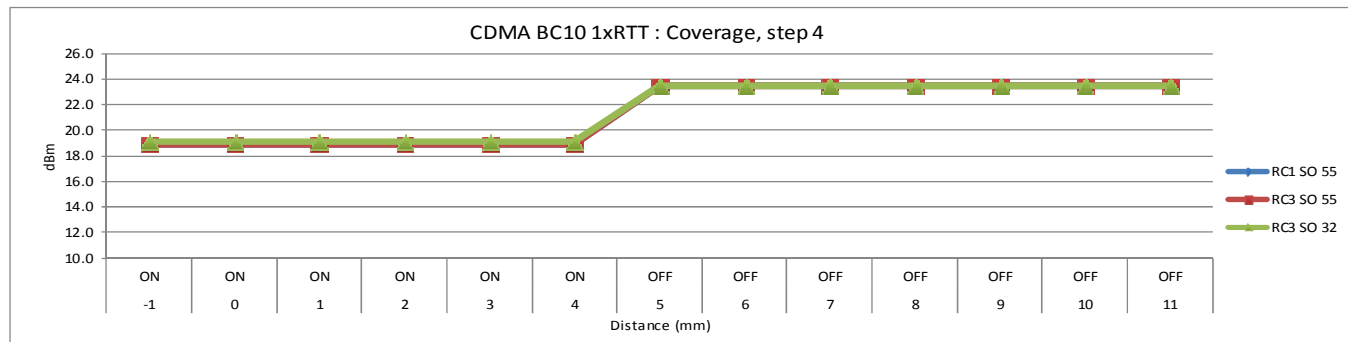
Coverage step 4, CDMA BC0 1xRTT													
Distance (mm):	-1	0	1	2	3	4	5	6	7	8	9	10	11
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	19.2	19.2	19.2	19.2	19.2	19.2	23.6	23.6	23.6	23.6	23.6	23.6	23.6
RC3 SO 55	19.4	19.4	19.4	19.4	19.4	19.4	23.6	23.6	23.6	23.6	23.6	23.6	23.6
RC3 SO 32	19.2	19.2	19.2	19.2	19.2	19.2	23.6	23.6	23.6	23.6	23.6	23.6	23.6



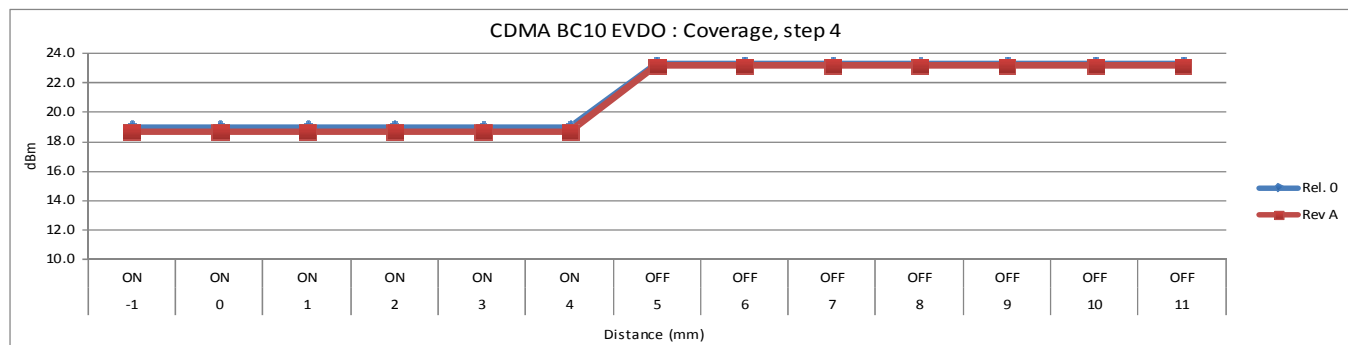
Coverage step 4, CDMA BC0 EVDO													
Distance (mm):	-1	0	1	2	3	4	5	6	7	8	9	10	11
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	19.1	19.1	19.1	19.1	19.1	19.1	23.4	23.4	23.4	23.4	23.4	23.4	23.4
Rev A	19.1	19.1	19.1	19.1	19.1	19.1	23.4	23.4	23.4	23.4	23.4	23.4	23.4



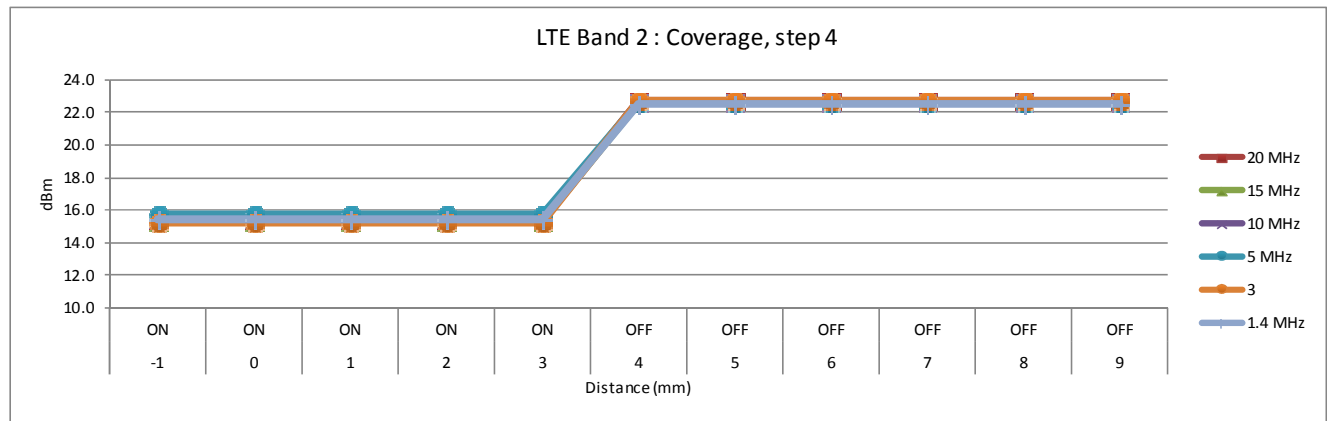
Coverage step 4, CDMA BC10 1xRTT													
Distance (mm):	-1	0	1	2	3	4	5	6	7	8	9	10	11
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
RC1 SO 55	18.9	18.9	18.9	18.9	18.9	18.9	23.4	23.4	23.4	23.4	23.4	23.4	23.4
RC3 SO 55	18.9	18.9	18.9	18.9	18.9	18.9	23.4	23.4	23.4	23.4	23.4	23.4	23.4
RC3 SO 32	19.1	19.1	19.1	19.1	19.1	19.1	23.5	23.5	23.5	23.5	23.5	23.5	23.5



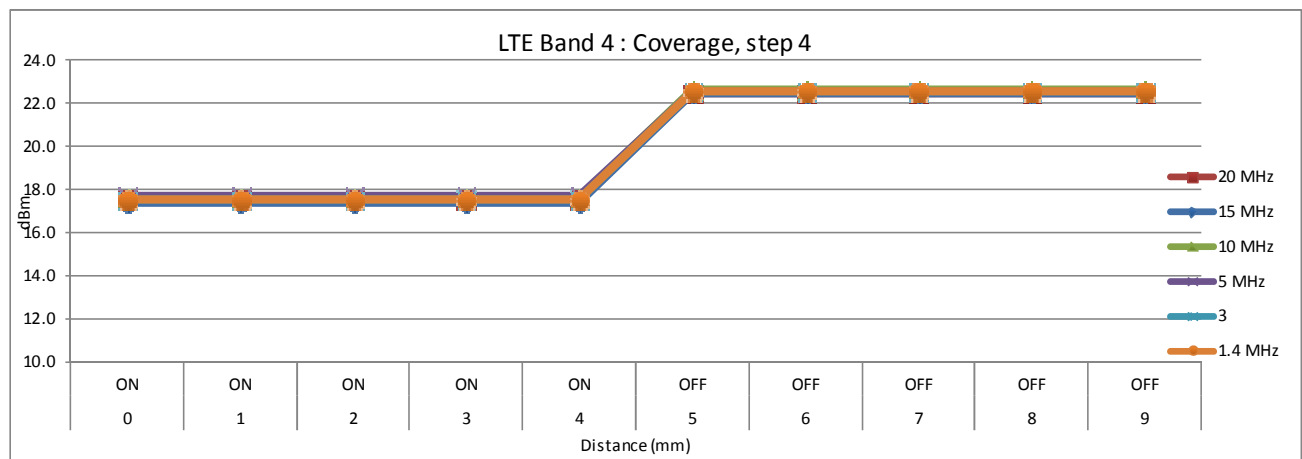
Coverage step 4, CDMA BC10 EVDO													
Distance (mm):	-1	0	1	2	3	4	5	6	7	8	9	10	11
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Rel. 0	19.0	19.0	19.0	19.0	19.0	19.0	23.3	23.3	23.3	23.3	23.3	23.3	23.3
Rev A	18.7	18.7	18.7	18.7	18.7	18.7	23.2	23.2	23.2	23.2	23.2	23.2	23.2



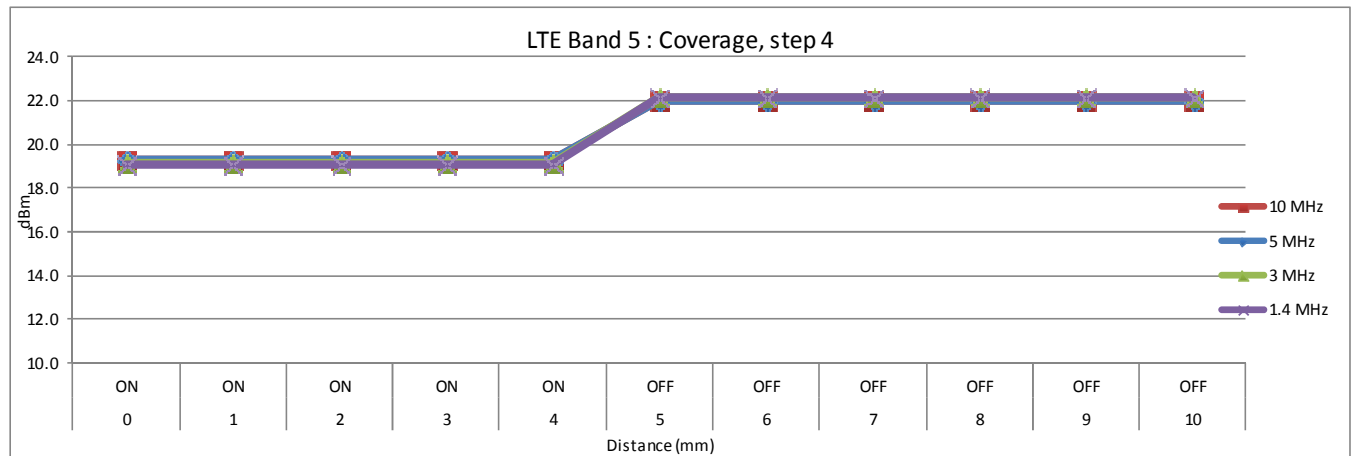
Coverage step 4, LTE Band 2											
Distance (mm):	-1	0	1	2	3	4	5	6	7	8	9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
20 MHz	15.3	15.3	15.3	15.3	15.3	22.7	22.7	22.7	22.7	22.7	22.7
15 MHz	15.3	15.3	15.3	15.3	15.3	22.6	22.6	22.6	22.6	22.6	22.6
10 MHz	15.5	15.5	15.5	15.5	15.5	22.6	22.6	22.6	22.6	22.6	22.6
5 MHz	15.7	15.7	15.7	15.7	15.7	22.6	22.6	22.6	22.6	22.6	22.6
3	15.2	15.2	15.2	15.2	15.2	22.7	22.7	22.7	22.7	22.7	22.7
1.4 MHz	15.4	15.4	15.4	15.4	15.4	22.6	22.6	22.6	22.6	22.6	22.6



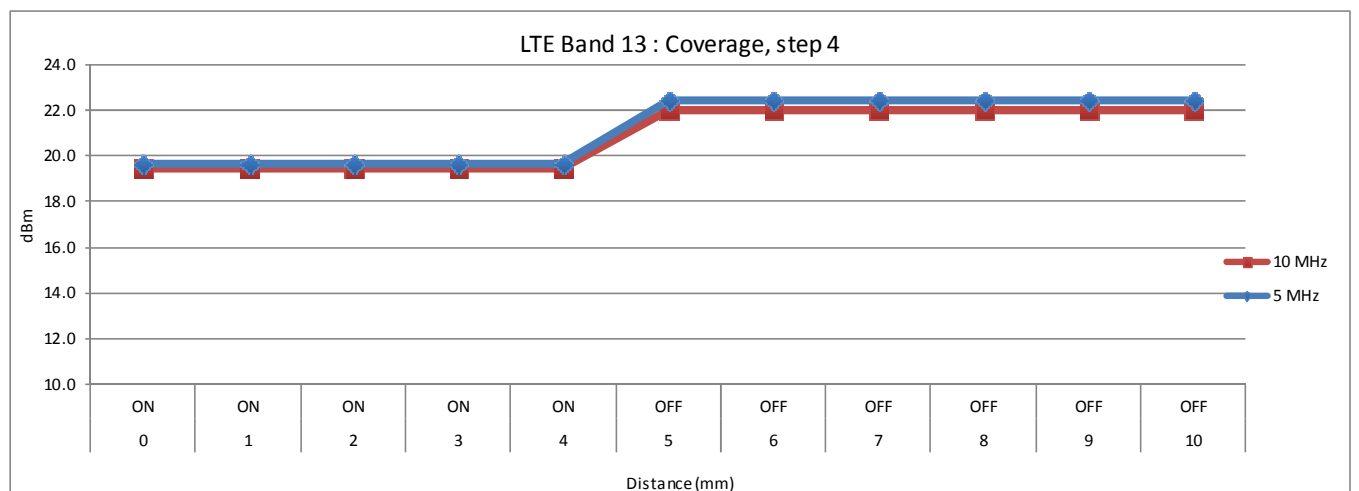
Coverage step 4, LTE Band 4										
Distance (mm):	0	1	2	3	4	5	6	7	8	9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
20 MHz	17.5	17.5	17.5	17.5	17.5	22.5	22.5	22.5	22.5	22.5
15 MHz	17.4	17.4	17.4	17.4	17.4	22.5	22.5	22.5	22.5	22.5
10 MHz	17.6	17.6	17.6	17.6	17.6	22.6	22.6	22.6	22.6	22.6
5 MHz	17.7	17.7	17.7	17.7	17.7	22.6	22.6	22.6	22.6	22.6
3	17.6	17.6	17.6	17.6	17.6	22.6	22.6	22.6	22.6	22.6
1.4 MHz	17.5	17.5	17.5	17.5	17.5	22.6	22.6	22.6	22.6	22.6



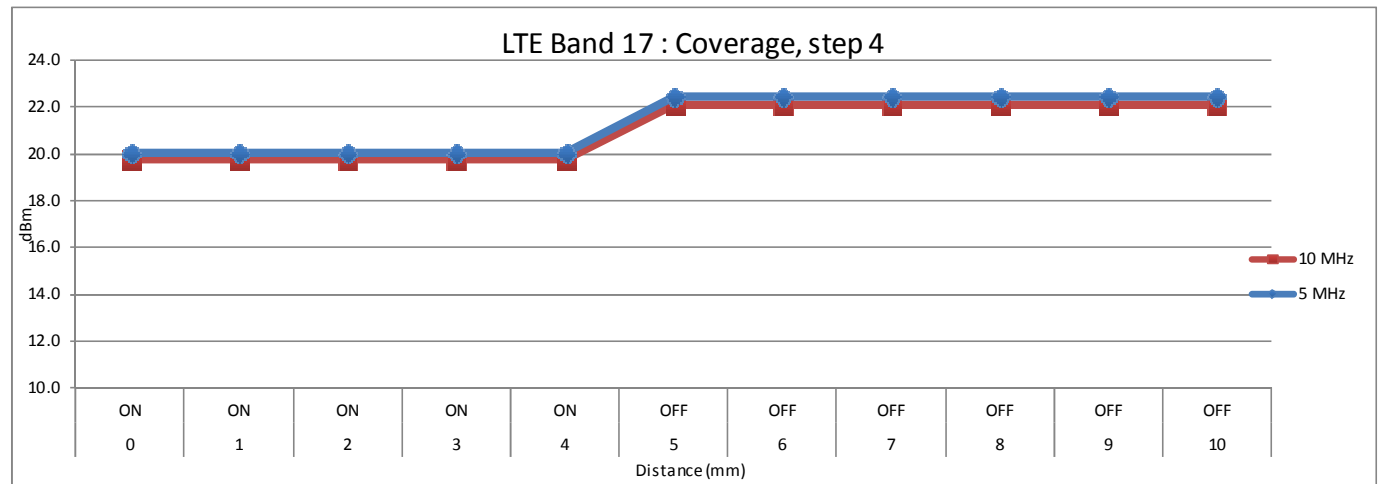
Coverage step 4, LTE Band 5											
Distance (mm):	0	1	2	3	4	5	6	7	8	9	10
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.3	19.3	19.3	19.3	19.3	22.0	22.0	22.0	22.0	22.0	22.0
5 MHz	19.3	19.3	19.3	19.3	19.3	22.0	22.0	22.0	22.0	22.0	22.0
3 MHz	19.2	19.2	19.2	19.2	19.2	22.2	22.2	22.2	22.2	22.2	22.2
1.4 MHz	19.1	19.1	19.1	19.1	19.1	22.1	22.1	22.1	22.1	22.1	22.1



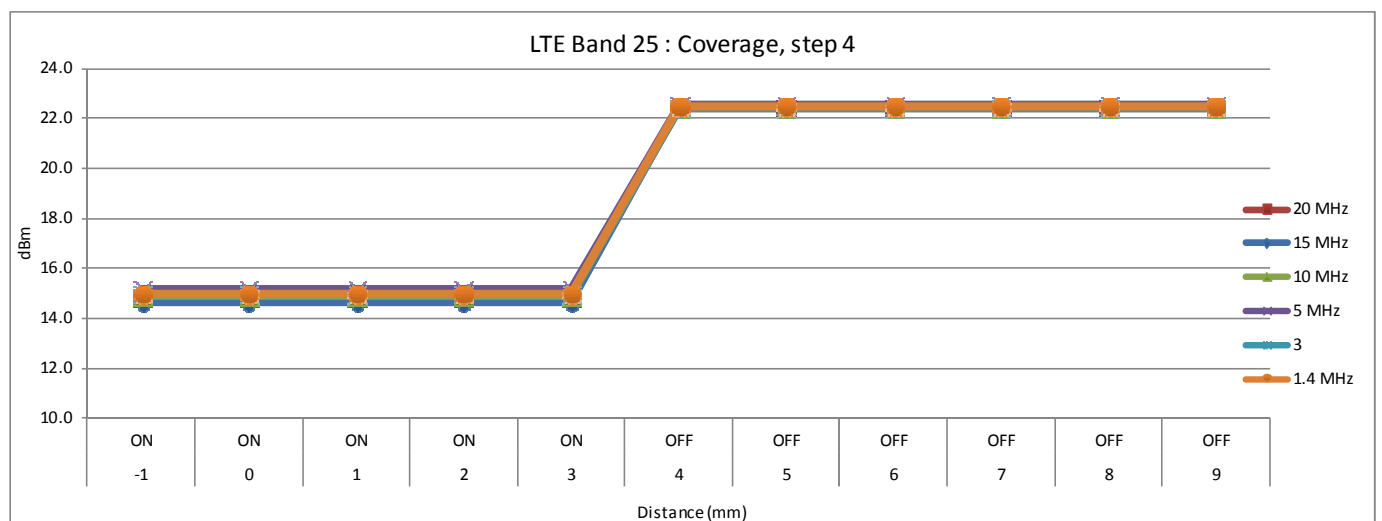
Coverage step 4, LTE Band 13											
Distance (mm):	0	1	2	3	4	5	6	7	8	9	10
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.4	19.4	19.4	19.4	19.4	22.0	22.0	22.0	22.0	22.0	22.0
5 MHz	19.7	19.7	19.7	19.7	19.7	22.5	22.5	22.5	22.5	22.5	22.5



Coverage step 4, LTE Band 17											
Distance (mm):	0	1	2	3	4	5	6	7	8	9	10
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
10 MHz	19.7	19.7	19.7	19.7	19.7	22.1	22.1	22.1	22.1	22.1	22.1
5 MHz	20.1	20.1	20.1	20.1	20.1	22.5	22.5	22.5	22.5	22.5	22.5



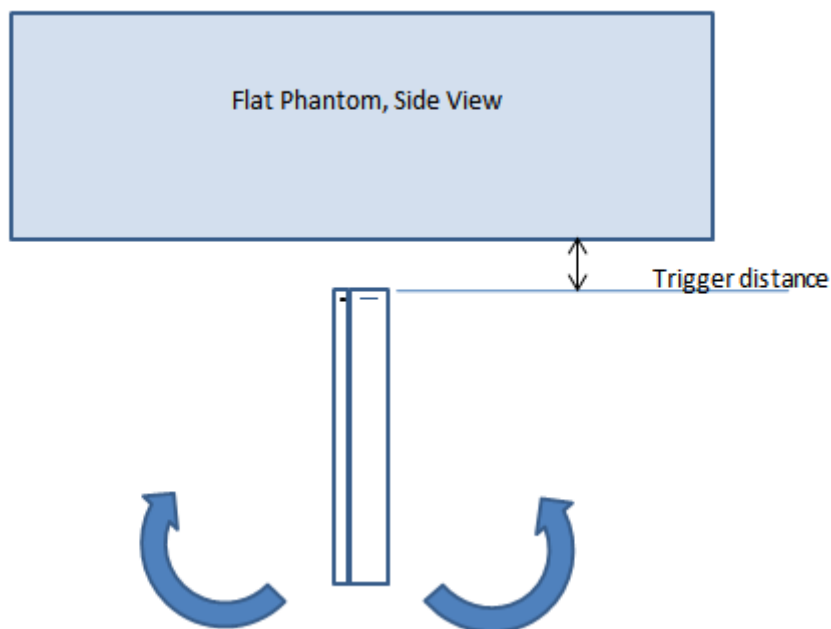
Coverage step 4, LTE Band 25											
Distance (mm):	-1	0	1	2	3	4	5	6	7	8	9
Proximity sensor with reduced power activation:	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
20 MHz	14.9	14.9	14.9	14.9	14.9	22.4	22.4	22.4	22.4	22.4	22.4
15 MHz	14.7	14.7	14.7	14.7	14.7	22.5	22.5	22.5	22.5	22.5	22.5
10 MHz	14.9	14.9	14.9	14.9	14.9	22.4	22.4	22.4	22.4	22.4	22.4
5 MHz	15.2	15.2	15.2	15.2	15.2	22.5	22.5	22.5	22.5	22.5	22.5
3	15.0	15.0	15.0	15.0	15.0	22.4	22.4	22.4	22.4	22.4	22.4
1.4 MHz	15.0	15.0	15.0	15.0	15.0	22.5	22.5	22.5	22.5	22.5	22.5



7.10. Proximity Sensor Tilt Angle (KDB 616217 §6.3)

The DUT was positioned directly below the flat phantom at the minimum measured trigger distance with edge 1 parallel to the base of the flat phantom. The DUT was rotated in both directions about edge 1.

The proximity sensor remained triggered with the DUT positioned 17mm from the phantom for all angles up to 45°.



Proximity sensor tilt angle assessment (Edge 4) KDB 616217 §6.4

8. RF Exposure Conditions

Refer to Section 17 "Antenna Dimensions and Separation Distances" for the specific details of the antenna-to-antenna and antenna-to-edge(s) distances.

8.1. Body Exposure Conditions for WWAN

Laptop Mode

Test Configurations	Antenna-to-edge/surface	SAR Required	Note
Rear	18 mm	No	The Main Antenna does not require testing in this position when operating in Laptop Mode as the same test position for Tablet Mode is far more conservative.
Top Edge of Display Screen against Phantom	2.3 mm	No	The Main Antenna does not require testing in this position as it is accounted for by the Edge 1 test position for Tablet Mode.

Tablet Mode

Test Configurations	Antenna-to-edge/surface	SAR Required	Note
Rear	18.0 mm	Yes	
Front	-	No	SAR is not required as this is not a typical use scenario
Edge 1	2.3 mm	YES	A proximity sensor is incorporated at this edge that, when triggered, will reduce the transmit power of the WWAN transmitter. As such, two separate sets of evaluations are required for this test position: one with the device operating at a reduced power level and in contact with the phantom, and one with the device operating at full power level and at 16 mm away from the phantom. 16mm is 1 mm less than the closest distance away from an object the device will operate at full power.
Edge 2	200.6 mm	No	Refer to section 12 for SAR exclusion justification
Edge 3	210.9 mm	No	Refer to section 12 for SAR exclusion justification
Edge 4	24.0 mm	YES	

LEGEND:

- Bottom = Bottom Face
- Edge 1 = Top Edge
- Edge 2 = Left Edge
- Edge 3 = Bottom Edge
- Edge 4 = Right Edge

8.2. Special test considerations

Testing base against the flat phantom with the feet in place did not represent the most conservative usage scenarios. Testing of the base was performed with the feet removed.

8.3. Test Configurations for WLAN

All Wi-Fi 1-g SAR values were taken from results recorded in SAR report 33LE0029-HO-A-R1, submitted under FCC ID ACJ9TGWL13A.

9. RF Output Power Measurement

As this device implements proximity sensor-triggered power reduction for SAR compliance, conducted output power was measured for the two different operating power levels. The following serves to clarify and establish the relation between power level and proximity sensor status:

- o Full Power = Proximity Sensor Off
- o Reduced Power = Proximity Sensor On

Each operating power level has its own set of target power and tune-up limit, and the scaling of SAR values is applied according to the corresponding target for the given operating power level

9.1. GSM850

Target Power for GSM850 32.5 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

Full Power

GPRS (GMSK) - Coding Scheme: CS1										
Band	Ch No.	f (MHz)	1 Slot Power (dBm)		2 Slot Power (dBm)		3 Slot Power (dBm)		4 Slot Power (dBm)	
			Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg
850	128	824.2	32.24	22.53	32.02	25.42				
	190	836.6	32.10	22.55	31.96	25.39				
	251	848.8	32.00	22.52	31.90	25.33				
EGPRS (8PSK) - Coding Scheme: MCS5										
Band	Ch No.	f (MHz)	1 Slot Power (dBm)		2 Slot Power (dBm)		3 Slot Power (dBm)		4 Slot Power (dBm)	
			Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg
850	128	824.2	27.29	17.71	27.12	20.29	26.94	21.82	26.79	23.43
	190	836.6	27.29	17.62	27.13	20.28	26.92	21.93	26.76	23.25
	251	848.8	27.27	17.62	27.14	20.43	26.92	21.86	26.76	23.17

Reduced Power

GPRS (GMSK) - Coding Scheme: CS1										
Band	Ch No.	f (MHz)	1 Slot Power (dBm)		2 Slot Power (dBm)		3 Slot Power (dBm)		4 Slot Power (dBm)	
			Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg
850	128	824.2	29.34	19.67	26.03	19.49				
	190	836.6	29.38	19.82	25.95	19.76				
	251	848.8	29.35	19.81	25.86	19.65				
EGPRS (8PSK) - Coding Scheme: MCS5										
Band	Ch No.	f (MHz)	1 Slot Power (dBm)		2 Slot Power (dBm)		3 Slot Power (dBm)		4 Slot Power (dBm)	
			Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg
850	128	824.2	27.16	17.43	25.59	18.93	23.94	19.11	23.00	19.15
	190	836.6	27.15	17.37	25.58	18.90	23.94	19.09	22.99	19.17
	251	848.8	27.15	17.40	25.59	18.87	23.94	19.08	23.02	19.16

Notes:

The worst-case configuration and mode for SAR testing is determined to be as follows:

- Body: GMSK (GPRS) mode with 2 time slots, based on the output power measurements above
- SAR is not required for EGPRS (8PSK) Mode at full power because its output power is less than that of GPRS Mode at full power.
- SAR is required for EGPRS (8PSK) Mode at reduced power because its output power is greater than that of GPRS Mode at reduced power

9.2.GSM1900

Target Power for GSM1900 29.5 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

Full Power

GPRS (GMSK) - Coding Scheme: CS1										
Band	Ch No.	f (MHz)	1 Slot Power (dBm)		2 Slot Power (dBm)		3 Slot Power (dBm)		4 Slot Power (dBm)	
			Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg
1900	512	1850.2	29.04	19.77	28.88	22.47				
	661	1880	29.26	19.85	29.20	22.66				
	810	1909.8	29.35	19.65	29.31	22.54				
EGPRS (8PSK) - Coding Scheme: MCS5										
Band	Ch No.	f (MHz)	1 Slot Power (dBm)		2 Slot Power (dBm)		3 Slot Power (dBm)		4 Slot Power (dBm)	
			Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg
1900	512	1850.2	25.42	15.96	25.22	18.83	25.22	20.44	25.01	21.51
	661	1880	25.47	15.87	25.34	18.86	25.20	20.46	25.09	21.46
	810	1909.8	25.50	15.84	25.39	18.81	25.25	20.35	25.14	21.45

Reduced Power

GPRS (GMSK) - Coding Scheme: CS1										
Band	Ch No.	f (MHz)	1 Slot Power (dBm)		2 Slot Power (dBm)		3 Slot Power (dBm)		4 Slot Power (dBm)	
			Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg
1900	512	1850.2	23.93	14.75	20.60	14.27				
	661	1880	23.95	14.69	20.79	14.41				
	810	1909.8	24.06	14.63	20.80	14.40				
EGPRS (8PSK) - Coding Scheme: MCS5										
Band	Ch No.	f (MHz)	1 Slot Power (dBm)		2 Slot Power (dBm)		3 Slot Power (dBm)		4 Slot Power (dBm)	
			Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg	Burst Avg	Frame Avg
1900	512	1850.2	23.26	13.89	20.45	14.06	18.46	13.74	17.49	13.87
	661	1880	23.30	13.92	20.62	14.12	18.56	13.75	17.48	13.86
	810	1909.8	23.33	13.92	20.60	14.08	18.57	13.74	17.55	13.85

Notes:

The worst-case configuration and mode for SAR testing is determined to be as follows:

- Body: GMSK (GPRS) mode with 2 time slots, based on the output power measurements above
- SAR is not required for EGPRS (8PSK) Mode at full power or reduced power because its output power is less than that of GPRS Mode at either full power or reduced power

9.3.W-CDMA Band V

Target Power for W-CDMA Band V 23 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

Release 99

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 specification. The DUT supports power Class 3, which has a nominal maximum output power of 24 dBm (+1.7/-3.7).

Mode	Subtest	Rel99
WCDMA General Settings	Loopback Mode	Test Mode 1
	Rel99 RMC	12.2kbps RMC
	Power Control Algorithm	Algorithm2
	β_c/β_d	8/15

Release 99 RMC Output Power Measurement Results

Band	Mode	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)	
				Full Power	Reduced Power
W-CDMA (UMTS) Band V	Rel 99 (RMC, 12.2 kbps)	4132	826.4	22.86	19.32
		4183	836.6	22.92	19.34
		4233	846.6	22.86	19.40

HSDPA

The following 4 Sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

	Mode	HSDPA	HSDPA	HSDPA	HSDPA
	Subtest	1	2	3	4
W-CDMA General Settings	Loopback Mode	Test Mode 1			
	Rel99 RMC	12.2kbps RMC			
	HSDPA FRC	H-Set1			
	Power Control Algorithm	Algorithm 2			
	β_c	2/15	12/15	15/15	15/15
	β_d	15/15	15/15	8/15	4/15
	Bd (SF)	64			
	β_c/β_d	2/15	12/15	15/8	15/4
	β_{hs}	4/15	24/15	30/15	30/15
HSDPA Specific Settings	CM (dB)	0	0	0.5	0.5
	D _{ACK}	8			
	D _{NAK}	8			
	DCQI	8			
	Ack-Nack repetition factor	3			
	CQI Feedback (Table 5.2B.4)	4ms			
	CQI Repetition Factor (Table 5.2B.4)	2			
	A _{hs} = β_{hs}/β_c	30/15			

HSDPA Output Power Measurement Results

Band	Mode	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)	
				Full Power	Reduced Power
W-CDMA (UMTS) Band V	Subtest 1	4132	826.4	22.35	19.12
		4183	836.6	22.44	19.19
		4233	846.6	22.35	18.95
	Subtest 2	4132	826.4	22.35	18.82
		4183	836.6	22.44	18.83
		4233	846.6	22.31	18.77
	Subtest 3	4132	826.4	21.83	18.36
		4183	836.6	22.10	18.42
		4233	846.6	21.94	18.37
	Subtest 4	4132	826.4	21.88	18.31
		4183	836.6	21.95	18.34
		4233	846.6	21.89	18.37

Note(s):

KDB 941225 D01 – Body SAR is not required for HSDPA when the maximum average output of each RF channel with HSDPA active is less than ¼ dB higher than that measured without HSDPA using 12.2 kbps RMC or the maximum SAR for 12.2 kbps RMC is < 75% of the SAR limit.

HSPA (HSDPA & HSUPA)

The following 5 Sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

	Mode	HSPA	HSPA	HSPA	HSPA	HSPA
	Subtest	1	2	3	4	5
WCDMA General Settings	Loopback Mode	Test Mode 1				
	Rel99 RMC	12.2kbps RMC				
	HSDPA FRC	H-Set1				
	HSUPA Test	HSUPA Loopback				
	Power Control Algorithm	Algorithm2				
	β_c	11/15	6/15	15/15	2/15	15/15
	β_d	15/15	15/15	9/15	15/15	15/15
	β_{ec}	209/225	12/15	30/15	2/15	24/15
	β_c/β_d	11/15	6/15	15/9	2/15	15/15
	β_{hs}	22/15	12/15	30/15	4/15	30/15
	β_{ed}	1309/225	94/75	47/15 47/15	56/75	134/15
	CM (dB)	1.0	3.0	2.0	3.0	1.0
	MPR (dB)	0	2	1	2	0
HSDPA Specific Settings	DACK	8				
	DNAK	8				
	DCQI	8				
	Ack-Nack repetition factor	3				
	CQI Feedback (Table 5.2B.4)	4ms				
	CQI Repetition Factor (Table 5.2B.4)	2				
	Ahs = β_{hs}/β_c	30/15				
HSUPA Specific Settings	D E-DPCCH	6	8	8	5	7
	DHARQ	0	0	0	0	0
	AG Index	20	12	15	17	21
	ETFCI (from 34.121 Table C.11.1.3)	75	67	92	71	81
	Associated Max UL Data Rate kbps	242.1	174.9	482.8	205.8	308.9
	Reference E_TFCIs	E-TFCI 11 E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO 23 E-TFCI 75 E-TFCI PO 26 E-TFCI 81 E-TFCI PO 27		E-TFCI 11 E-TFCI PO 4 E-TFCI 92 E-TFCI PO 18		E-TFCI 11 E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO 23 E-TFCI 75 E-TFCI PO 26 E-TFCI 81 E-TFCI PO 27

HSUPA Output Power Measurement Results

Band	Mode	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)	
				Full Power	Reduced Power
WCDMA (UMTS) Band V	Subtest 1	4132	826.4	22.18	18.42
		4183	836.6	22.12	18.44
		4233	846.6	22.09	18.36
	Subtest 2	4132	826.4	20.78	17.31
		4183	836.6	20.81	17.25
		4233	846.6	20.71	17.22
	Subtest 3	4132	826.4	20.89	17.36
		4183	836.6	20.88	17.34
		4233	846.6	20.99	17.43
	Subtest 4	4132	826.4	21.29	17.42
		4183	836.6	21.01	17.36
		4233	846.6	21.15	17.47
	Subtest 5	4132	826.4	22.18	18.74
		4183	836.6	22.34	18.98
		4233	846.6	22.11	18.92

Note(s):

KDB 941225 D01 – Body SAR is not required for handsets with HSPA capabilities when the maximum average output of each RF channel with HSUPA/HSDPA active is less than ¼ dB higher than that measured without HSUPA/HSDPA using 12.2 kbps RMC and the maximum SAR for 12.2kbps RMC is ≤ 75% of the SAR limit.

9.4.W-CDMA Band IV

Target Power for W-CDMA Band IV 23 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

Release 99

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 specification. The DUT supports power Class 3, which has a nominal maximum output power of 24 dBm (+1.7/-3.7).

Mode	Subtest	Rel99
WCDMA General Settings	Loopback Mode	Test Mode 1
	Rel99 RMC	12.2kbps RMC
	Power Control Algorithm	Algorithm2
	β_c/β_d	8/15

Release 99 RMC Output Power Measurement Results

Band	Mode	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)	
				Full Power	Reduced Power
W-CDMA (UMTS) Band IV	Rel 99 (RMC, 12.2 kbps)	1312	1712.4	23.17	17.67
		1413	1732.6	23.16	17.57
		1513	1752.6	23.18	17.69

HSDPA

The following 4 Sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

	Mode	HSDPA	HSDPA	HSDPA	HSDPA
	Subtest	1	2	3	4
W-CDMA General Settings	Loopback Mode	Test Mode 1			
	Rel99 RMC	12.2kbps RMC			
	HSDPA FRC	H-Set1			
	Power Control Algorithm	Algorithm 2			
	β_c	2/15	12/15	15/15	15/15
	β_d	15/15	15/15	8/15	4/15
	Bd (SF)	64			
	β_c/β_d	2/15	12/15	15/8	15/4
	β_{hs}	4/15	24/15	30/15	30/15
HSDPA Specific Settings	CM (dB)	0	0	0.5	0.5
	D _{ACK}	8			
	D _{NAK}	8			
	DCQI	8			
	Ack-Nack repetition factor	3			
	CQI Feedback (Table 5.2B.4)	4ms			
	CQI Repetition Factor (Table 5.2B.4)	2			
	A _{hs} = β_{hs}/β_c	30/15			

HSDPA Output Power Measurement Results

Band	Mode	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)	
				Full Power	Reduced Power
W-CDMA (UMTS) Band IV	Subtest 1	1312	1712.4	22.76	17.06
		1413	1732.6	22.77	17.09
		1513	1752.6	22.73	17.08
	Subtest 2	1312	1712.4	22.74	17.02
		1413	1732.6	22.77	17.01
		1513	1752.6	22.69	16.91
	Subtest 3	1312	1712.4	22.27	16.50
		1413	1732.6	22.30	16.45
		1513	1752.6	22.28	16.36
	Subtest 4	1312	1712.4	22.30	16.56
		1413	1732.6	22.29	16.46
		1513	1752.6	22.20	16.39

Note(s):

KDB 941225 D01 – Body SAR is not required for HSDPA when the maximum average output of each RF channel with HSDPA active is less than ¼ dB higher than that measured without HSDPA using 12.2 kbps RMC or the maximum SAR for 12.2 kbps RMC is < 75% of the SAR limit.

HSPA (HSDPA & HSUPA)

The following 5 Sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

Mode	HSPA	HSPA	HSPA	HSPA	HSPA
Subtest	1	2	3	4	5
Loopback Mode	Test Mode 1				
Rel99 RMC	12.2kbps RMC				
HSDPA FRC	H-Set1				
HSUPA Test	HSUPA Loopback				
Power Control Algorithm	Algorithm2				
β_c	11/15	6/15	15/15	2/15	15/15
β_d	15/15	15/15	9/15	15/15	15/15
β_{ec}	209/225	12/15	30/15	2/15	24/15
β_c/β_d	11/15	6/15	15/9	2/15	15/15
β_{hs}	22/15	12/15	30/15	4/15	30/15
β_{ed}	1309/225	94/75	47/15	56/75	134/15
CM (dB)	1.0	3.0	2.0	3.0	1.0
MPR (dB)	0	2	1	2	0
DACK	8				
DNAK	8				
DCQI	8				
Ack-Nack repetition factor	3				
CQI Feedback (Table 5.2B.4)	4ms				
CQI Repetition Factor (Table 5.2B.4)	2				
Ahs = β_{hs}/β_c	30/15				
D E-DPCCH	6	8	8	5	7
DHARQ	0	0	0	0	0
AG Index	20	12	15	17	21
ETFCI (from 34.121 Table C.11.1.3)	75	67	92	71	81
Associated Max UL Data Rate kbps	242.1	174.9	482.8	205.8	308.9
Reference E_TFCIs	E-TFCI 11 E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO 23 E-TFCI 75 E-TFCI PO 26 E-TFCI 81 E-TFCI PO 27		E-TFCI 11 E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO 23 E-TFCI 75 E-TFCI PO 26 E-TFCI 81 E-TFCI PO 27		

HSUPA Output Power Measurement Results

Band	Mode	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)	
				Full Power	Reduced Power
WCDMA (UMTS) Band IV	Subtest 1	1312	1712.4	22.23	17.24
		1413	1732.6	22.16	17.27
		1513	1752.6	22.05	16.85
	Subtest 2	1312	1712.4	21.11	15.91
		1413	1732.6	21.38	15.51
		1513	1752.6	21.11	15.59
	Subtest 3	1312	1712.4	21.25	15.83
		1413	1732.6	21.45	15.86
		1513	1752.6	21.41	15.66
	Subtest 4	1312	1712.4	21.05	16.41
		1413	1732.6	21.16	16.10
		1513	1752.6	21.26	15.99
	Subtest 5	1312	1712.4	22.54	17.06
		1413	1732.6	22.73	16.92
		1513	1752.6	22.56	16.73

Note(s):

KDB 941225 D01 – Body SAR is not required for handsets with HSPA capabilities when the maximum average output of each RF channel with HSUPA/HSDPA active is less than ¼ dB higher than that measured without HSUPA/HSDPA using 12.2 kbps RMC and the maximum SAR for 12.2kbps RMC is ≤ 75% of the SAR limit.

9.5.W-CDMA Band II

Target Power for W-CDMA Band II 23 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

Release 99

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 specification. The DUT supports power Class 3, which has a nominal maximum output power of 24 dBm (+1.7/-3.7).

Mode	Subtest	Rel99
WCDMA General Settings	Loopback Mode	Test Mode 1
	Rel99 RMC	12.2kbps RMC
	Power Control Algorithm	Algorithm2
	β_c/β_d	8/15

Release 99 RMC Output Power Measurement Results

Band	Mode	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)	
				Full Power	Reduced Power
W-CDMA (UMTS) Band II	Rel 99 (RMC, 12.2 kbps)	9262	1852.4	23.21	15.26
		9400	1880.0	23.10	14.87
		9538	1907.6	23.24	14.64

HSDPA

The following 4 Sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

	Mode	HSDPA	HSDPA	HSDPA	HSDPA
	Subtest	1	2	3	4
W-CDMA General Settings	Loopback Mode	Test Mode 1			
	Rel99 RMC	12.2kbps RMC			
	HSDPA FRC	H-Set1			
	Power Control Algorithm	Algorithm 2			
	β_c	2/15	12/15	15/15	15/15
	β_d	15/15	15/15	8/15	4/15
	Bd (SF)	64			
	β_c/β_d	2/15	12/15	15/8	15/4
	β_{hs}	4/15	24/15	30/15	30/15
HSDPA Specific Settings	CM (dB)	0	0	0.5	0.5
	D _{ACK}	8			
	D _{NAK}	8			
	DCQI	8			
	Ack-Nack repetition factor	3			
	CQI Feedback (Table 5.2B.4)	4ms			
	CQI Repetition Factor (Table 5.2B.4)	2			
	A _{hs} = β_{hs}/β_c	30/15			

HSDPA Output Power Measurement Results

Band	Mode	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)	
				Full Power	Reduced Power
W-CDMA (UMTS) Band II	Subtest 1	9262	1852.4	22.76	14.53
		9400	1880.0	22.72	14.00
		9538	1907.6	22.81	14.81
	Subtest 2	9262	1852.4	22.67	14.60
		9400	1880.0	22.63	14.10
		9538	1907.6	22.78	14.94
	Subtest 3	9262	1852.4	22.25	14.53
		9400	1880.0	22.19	13.81
		9538	1907.6	22.23	14.63
	Subtest 4	9262	1852.4	22.20	14.50
		9400	1880.0	22.22	13.81
		9538	1907.6	22.29	14.69

Note(s):

KDB 941225 D01 – Body SAR is not required for HSDPA when the maximum average output of each RF channel with HSDPA active is less than ¼ dB higher than that measured without HSDPA using 12.2 kbps RMC or the maximum SAR for 12.2 kbps RMC is < 75% of the SAR limit.

HSPA (HSDPA & HSUPA)

The following 5 Sub-tests were completed according to Release 6 procedures in section 5.2 of 3GPP TS34.121. A summary of these settings are illustrated below:

	Mode	HSPA	HSPA	HSPA	HSPA	HSPA
	Subtest	1	2	3	4	5
WCDMA General Settings	Loopback Mode	Test Mode 1				
	Rel99 RMC	12.2kbps RMC				
	HSDPA FRC	H-Set1				
	HSUPA Test	HSUPA Loopback				
	Power Control Algorithm	Algorithm2				
	β_c	11/15	6/15	15/15	2/15	15/15
	β_d	15/15	15/15	9/15	15/15	15/15
	β_{ec}	209/225	12/15	30/15	2/15	24/15
	β_c/β_d	11/15	6/15	15/9	2/15	15/15
	β_{hs}	22/15	12/15	30/15	4/15	30/15
	β_{ed}	1309/225	94/75	47/15 47/15	56/75	134/15
	CM (dB)	1.0	3.0	2.0	3.0	1.0
	MPR (dB)	0	2	1	2	0
HSDPA Specific Settings	DACK	8				
	DNAK	8				
	DCQI	8				
	Ack-Nack repetition factor	3				
	CQI Feedback (Table 5.2B.4)	4ms				
	CQI Repetition Factor (Table 5.2B.4)	2				
	Ahs = β_{hs}/β_c	30/15				
HSUPA Specific Settings	D E-DPCCH	6	8	8	5	7
	DHARQ	0	0	0	0	0
	AG Index	20	12	15	17	21
	ETFCI (from 34.121 Table C.11.1.3)	75	67	92	71	81
	Associated Max UL Data Rate kbps	242.1	174.9	482.8	205.8	308.9
	Reference E_TFCIs	E-TFCI 11 E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO 23 E-TFCI 75 E-TFCI PO 26 E-TFCI 81 E-TFCI PO 27		E-TFCI 11 E-TFCI PO 4 E-TFCI 92 E-TFCI PO 18		E-TFCI 11 E-TFCI PO 4 E-TFCI 67 E-TFCI PO 18 E-TFCI 71 E-TFCI PO 23 E-TFCI 75 E-TFCI PO 26 E-TFCI 81 E-TFCI PO 27

HSUPA Output Power Measurement Results

Band	Mode	UL Ch No.	Freq. (MHz)	Avg Pwr (dBm)	
				Full Power	Reduced Power
WCDMA (UMTS) Band II	Subtest 1	9262	1852.4	22.44	14.25
		9400	1880.0	22.25	13.70
		9538	1907.6	22.24	14.61
	Subtest 2	9262	1852.4	21.07	12.87
		9400	1880.0	21.06	12.46
		9538	1907.6	21.10	13.33
	Subtest 3	9262	1852.4	21.37	13.35
		9400	1880.0	21.50	12.82
		9538	1907.6	21.60	13.69
	Subtest 4	9262	1852.4	21.37	13.14
		9400	1880.0	21.47	12.87
		9538	1907.6	21.40	13.86
	Subtest 5	9262	1852.4	22.30	14.30
		9400	1880.0	22.54	13.88
		9538	1907.6	22.44	14.74

Note(s):

KDB 941225 D01 – Body SAR is not required for handsets with HSPA capabilities when the maximum average output of each RF channel with HSUPA/HSDPA active is less than ¼ dB higher than that measured without HSUPA/HSDPA using 12.2 kbps RMC and the maximum SAR for 12.2kbps RMC is ≤ 75% of the SAR limit.

9.6.CDMA BC0

Target Power for CDMA BC0 24 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

1xRTT Output Power Measurement Results

CDMA			Avg Pwr (dBm)					
			RC1 - SO55		RC3 - SO55		RC3 - SO32	
Band	Ch	Freq. (MHz)	(Loopback)		(Loopback)		(+F-SCH)	
			Full Power	Reduced Power	Full Power	Reduced Power	Full Power	Reduced Power
BC 0	1013	824.70	23.61	19.45	23.58	19.49	23.62	19.44
	384	836.52	23.64	19.20	23.58	19.35	23.64	19.17
	777	848.31	23.34	19.19	23.32	19.21	23.33	19.16

1xEV-DO Rel. 0 Output Power Measurement Results

Band	FTAP Rate	RTAP Rate	Channel	f (MHz)	Avg Pwr (dBm)	
					Full Power	Reduced Power
BC 0	307.2 kbps (2 slot, QPSK)	153.6 kbps	1013	824.70	23.43	19.34
			384	836.52	23.41	19.05
			777	848.31	23.24	19.00

1xEV-DO Rev. A Output Power Measurement Results

Band	FETAP Traffic Format	RETAP Data Payload Size	Channel	f (MHz)	Avg Pwr (dBm)	
					Full Power	Reduced Power
BC 0	307.2k, QPSK/ ACK channel is transmitted at all the slots	4096	1013	824.70	23.43	19.34
			384	836.52	23.43	19.10
			777	848.31	23.17	18.95

9.7. CDMA BC1

Target Power for CDMA BC1 24 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

1xRTT Output Power Measurement Results

CDMA			Avg Pwr (dBm)					
			RC1 - SO55		RC3 - SO55		RC3 - SO32	
Band	Ch	Freq. (MHz)	(Loopback)		(Loopback)		(+F-SCH)	
			Full Power	Reduced Power	Full Power	Reduced Power	Full Power	Reduced Power
BC 1	25	1851.25	23.99	14.70	23.96	14.68	24.00	15.12
	600	1880	23.88	14.26	23.84	14.49	23.87	15.49
	1175	1908.75	23.89	15.00	23.89	15.21	23.88	15.24

1xEV-DO Rel. 0 Output Power Measurement Results

Band	FTAP Rate	RTAP Rate	Channel	f (MHz)	Avg Pwr (dBm)	
					Full Power	Reduced Power
BC 1	307.2 kbps (2 slot, QPSK)	153.6 kbps	25	1851.25	23.93	15.44
			600	1880	23.80	15.36
			1175	1908.75	23.85	15.11

1xEV-DO Rev. A Output Power Measurement Results

Band	FETAP Traffic Format	RETAP Data Payload Size	Channel	f (MHz)	Avg Pwr (dBm)	
					Full Power	Reduced Power
BC 1	307.2k, QPSK/ ACK channel is transmitted at all the slots	4096	25	1851.25	23.89	15.49
			600	1880	23.77	15.21
			1175	1908.75	23.81	15.14

9.8. CDMA BC10

Target Power for CDMA BC10 24 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

1xRTT Output Power Measurement Results

CDMA			Avg Pwr (dBm)					
			RC1 - SO55		RC3 - SO55		RC3 - SO32	
Band	Ch	Freq. (MHz)	(Loopback)		(Loopback)		(+F-SCH)	
			Full Power	Reduced Power	Full Power	Reduced Power	Full Power	Reduced Power
BC 10	450	817.25	23.52	18.97	23.50	19.00	23.52	19.05
	560	820	23.42	18.90	23.44	18.91	23.45	19.11
	670	822.75	23.45	18.88	23.41	18.89	23.48	18.90

1xEV-DO Rel. 0 Output Power Measurement Results

Band	FTAP Rate	RTAP Rate	Channel	f (MHz)	Avg Pwr (dBm)	
					Full Power	Reduced Power
BC 10	307.2 kbps (2 slot, QPSK)	153.6 kbps	450	817.25	23.31	18.84
			560	820.0	23.25	18.99
			670	822.75	23.22	18.80

1xEV-DO Rev. A Output Power Measurement Results

Band	FETAP Traffic Format	RETAP Data Payload Size	Channel	f (MHz)	Avg Pwr (dBm)	
					Full Power	Reduced Power
BC 10	307.2k, QPSK/ ACK channel is transmitted at all the slots	4096	450	817.25	23.27	18.82
			560	820.0	23.21	18.71
			670	822.75	23.24	18.76

9.9. LTE Band 2

Target Power for LTE Band 2, QPSK and 16QAM modulations

LTE Band 2	
All Bandwidths	23.0 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (RB)						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	NA
NS_03	6.6.2.2.1	2, 4, 10, 23, 25, 35, 36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2	41	5	>6	≤ 1
			10, 15, 20	See Table 6.2.4-4	
NS_05	6.6.3.3.1	1	10, 15, 20	≥ 50	≤ 1
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	n/a
NS_07	6.6.2.2.3 6.6.3.3.2	13	10	Table 6.2.4-2	Table 6.2.4-2
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4-3	Table 6.2.4-3
NS_11	6.6.2.2.1	23 ¹	1.4, 3, 5, 10	Table 6.2.4-5	Table 6.2.4-5
..					
NS_32	-	-	-	-	-

Note 1: Applies to the lower block of Band 23, i.e. a carrier placed in the 2000-2010 MHz region.

LTE Band 2, 20 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
20	18700	1860	QPSK	1	0	0	0	22.62
				1	49	0	0	22.86
				1	99	0	0	22.60
				50	0	1	1	21.56
				50	24	1	1	21.69
				50	49	1	1	21.72
				100	0	1	1	21.63
			16QAM	1	0	1	1	21.80
				1	49	1	1	21.93
				1	99	1	1	22.06
				50	0	2	2	20.69
				50	24	2	2	20.58
				50	49	2	2	20.65
				100	0	2	2	20.74
	18900	1880	QPSK	1	0	0	0	22.69
				1	49	0	0	22.68
				1	99	0	0	22.56
				50	0	1	1	21.56
				50	24	1	1	21.60
				50	49	1	1	21.60
				100	0	1	1	21.60
			16QAM	1	0	1	1	22.00
				1	49	1	1	21.88
				1	99	1	1	21.88
				50	0	2	2	20.55
				50	24	2	2	20.61
				50	49	2	2	20.56
				100	0	2	2	20.64
	19100	1900	QPSK	1	0	0	0	22.54
				1	49	0	0	22.59
				1	99	0	0	22.89
				50	0	1	1	21.71
				50	24	1	1	21.76
				50	49	1	1	21.70
				100	0	1	1	21.64
			16QAM	1	0	1	1	21.72
				1	49	1	1	21.81
				1	99	1	1	22.06
				50	0	2	2	20.62
				50	24	2	2	20.76
				50	49	2	2	20.70
				100	0	2	2	20.63

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
20	18700	1860	QPSK	1	0	MPR is disabled when power reduction is enabled		15.35
				1	49			15.78
				1	99			15.54
				50	0			15.39
				50	24			15.50
				50	49			15.64
				100	0			15.61
			16QAM	1	0			15.76
				1	49			15.44
				1	99			15.89
				50	0			15.76
				50	24			15.51
				50	49			15.44
				100	0			15.57
	18900	1880	QPSK	1	0			15.30
				1	49			15.77
				1	99			15.25
				50	0			15.33
				50	24			15.69
				50	49			15.51
				100	0			15.42
			16QAM	1	0			15.88
				1	49			15.83
				1	99			15.76
				50	0			15.56
				50	24			15.38
				50	49			15.67
				100	0			15.39
	19100	1900	QPSK	1	0			15.53
				1	49			15.23
				1	99			15.76
				50	0			15.45
				50	24			15.65
				50	49			15.20
				100	0			15.15
			16QAM	1	0			15.54
				1	49			15.58
				1	99			15.81
				50	0			15.23
				50	24			15.53
				50	49			15.57
				100	0			15.52

LTE Band 2, 15 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
15	18675	1857.5	QPSK	1	0	0	0	22.67
				1	37	0	0	22.84
				1	74	0	0	22.82
				36	0	1	1	21.67
				36	19	1	1	21.63
				36	39	1	1	21.67
				75	0	1	1	21.64
			16QAM	1	0	1	1	21.82
				1	37	1	1	22.10
				1	74	1	1	22.09
				36	0	2	2	20.79
				36	19	2	2	20.69
				36	39	2	2	20.67
				75	0	2	2	20.69
	18900	1880	QPSK	1	0	0	0	22.57
				1	37	0	0	22.62
				1	74	0	0	22.65
				36	0	1	1	21.63
				36	19	1	1	21.48
				36	39	1	1	21.59
				75	0	1	1	21.56
			16QAM	1	0	1	1	21.82
				1	37	1	1	21.87
				1	74	1	1	21.80
				36	0	2	2	20.68
				36	19	2	2	20.63
				36	39	2	2	20.58
				75	0	2	2	20.58
	19125	1902.5	QPSK	1	0	0	0	22.72
				1	37	0	0	22.67
				1	74	0	0	22.87
				36	0	1	1	21.61
				36	19	1	1	21.63
				36	39	1	1	21.71
				75	0	1	1	21.70
			16QAM	1	0	1	1	21.88
				1	37	1	1	21.97
				1	74	1	1	22.09
				36	0	2	2	20.64
				36	19	2	2	20.63
				36	39	2	2	20.79
				75	0	2	2	20.76

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
15	18675	1857.5	QPSK	1	0	MPR is disabled when power reduction is enabled		15.30
				1	37			15.41
				1	74			15.47
				36	0			15.46
				36	19			15.31
				36	39			15.31
				75	0			15.54
			16QAM	1	0			15.68
				1	37			15.73
				1	74			15.41
				36	0			15.59
				36	19			15.56
				36	39			15.76
				75	0			15.40
	18900	1880	QPSK	1	0			15.33
				1	37			15.38
				1	74			15.33
				36	0			15.26
				36	19			15.62
				36	39			15.72
				75	0			15.64
			16QAM	1	0			15.76
				1	37			15.31
				1	74			15.66
				36	0			15.19
				36	19			15.20
				36	39			15.23
				75	0			15.29
	19125	1902.5	QPSK	1	0			15.37
				1	37			15.32
				1	74			15.48
				36	0			15.33
				36	19			15.19
				36	39			15.63
				75	0			15.31
			16QAM	1	0			15.78
				1	37			15.78
				1	74			15.57
				36	0			15.62
				36	19			15.63
				36	39			15.66
				75	0			15.29

LTE Band 2, 10 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	18650	1855	QPSK	1	0	0	0	22.57
				1	24	0	0	22.56
				1	49	0	0	22.63
				25	0	1	1	21.72
				25	12	1	1	21.60
				25	24	1	1	21.66
				50	0	1	1	21.57
			16QAM	1	0	1	1	21.74
				1	24	1	1	21.97
				1	49	1	1	21.97
				25	0	2	2	20.78
				25	12	2	2	20.73
				25	24	2	2	20.75
				50	0	2	2	20.62
	18900	1880	QPSK	1	0	0	0	22.63
				1	24	0	0	22.66
				1	49	0	0	22.50
				25	0	1	1	21.71
				25	12	1	1	21.57
				25	24	1	1	21.68
				50	0	1	1	21.60
			16QAM	1	0	1	1	21.82
				1	24	1	1	21.84
				1	49	1	1	21.81
				25	0	2	2	20.71
				25	12	2	2	20.72
				25	24	2	2	20.66
				50	0	2	2	20.60
	19150	1905	QPSK	1	0	0	0	22.60
				1	24	0	0	22.60
				1	49	0	0	22.83
				25	0	1	1	21.61
				25	12	1	1	21.77
				25	24	1	1	21.72
				50	0	1	1	21.69
			16QAM	1	0	1	1	21.80
				1	24	1	1	21.94
				1	49	1	1	22.18
				25	0	2	2	20.75
				25	12	2	2	20.79
				25	24	2	2	20.91
				50	0	2	2	20.59

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	18650	1855	QPSK	1	0	MPR is disabled when power reduction is enabled		15.21
				1	24			15.25
				1	49			15.28
				25	0			15.65
				25	12			15.58
				25	24			15.44
				50	0			15.59
			16QAM	1	0			15.65
				1	24			15.47
				1	49			15.39
				25	0			15.54
				25	12			15.15
				25	24			15.35
	18900	1880	QPSK	50	0			15.33
				1	0			15.51
				1	24			15.00
				1	49			15.33
				25	0			15.15
				25	12			15.37
				25	24			15.56
				50	0			15.46
			16QAM	1	0			15.04
				1	24			15.66
				1	49			15.34
				25	0			15.32
				25	12			15.53
				25	24			15.53
	19150	1905	QPSK	50	0			15.43
				1	0			15.10
				1	24			15.19
				1	49			15.34
				25	0			15.15
				25	12			15.47
				25	24			15.36
				50	0			15.08
			16QAM	1	0			15.60
				1	24			15.67
				1	49			15.85
				25	0			15.55
				25	12			15.55
				25	24			15.64
				50	0			15.57

LTE Band 2, 5 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	18625	1852.5	QPSK	1	0	0	0	22.62
				1	12	0	0	22.88
				1	24	0	0	22.82
				12	0	1	1	21.63
				12	6	1	1	21.80
				12	11	1	1	21.74
				25	0	1	1	21.62
			16QAM	1	0	1	1	21.77
				1	12	1	1	21.95
				1	24	1	1	21.87
				12	0	2	2	20.77
				12	6	2	2	20.84
				12	11	2	2	20.81
				25	0	2	2	20.79
	18900	1880	QPSK	1	0	0	0	22.59
				1	12	0	0	22.78
				1	24	0	0	22.70
				12	0	1	1	21.77
				12	6	1	1	21.73
				12	11	1	1	21.71
				25	0	1	1	21.66
			16QAM	1	0	1	1	21.79
				1	12	1	1	22.04
				1	24	1	1	21.89
				12	0	2	2	20.79
				12	6	2	2	20.81
				12	11	2	2	20.63
				25	0	2	2	20.62
	19175	1907.5	QPSK	1	0	0	0	22.67
				1	12	0	0	22.83
				1	24	0	0	22.99
				12	0	1	1	21.77
				12	6	1	1	21.77
				12	11	1	1	21.76
				25	0	1	1	21.87
			16QAM	1	0	1	1	21.88
				1	12	1	1	22.01
				1	24	1	1	22.10
				12	0	2	2	20.84
				12	6	2	2	20.87
				12	11	2	2	20.82
				25	0	2	2	20.70

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	18625	1852.5	QPSK	1	0	MPR is disabled when power reduction is enabled		15.14
				1	12			15.31
				1	24			15.64
				12	0			15.12
				12	6			15.18
				12	11			15.24
				25	0			15.64
			16QAM	1	0			15.72
				1	12			15.82
				1	24			15.82
				12	0			15.63
				12	6			15.66
				12	11			15.64
				25	0			15.63
	18900	1880	QPSK	1	0			15.70
				1	12			15.67
				1	24			15.10
				12	0			15.17
				12	6			15.63
				12	11			15.65
				25	0			15.35
			16QAM	1	0			15.37
				1	12			15.82
				1	24			15.34
				12	0			15.20
				12	6			15.70
				12	11			15.16
				25	0			15.06
	19175	1907.5	QPSK	1	0			15.60
				1	12			15.67
				1	24			15.78
				12	0			15.56
				12	6			15.60
				12	11			15.67
				25	0			15.56
			16QAM	1	0			15.67
				1	12			15.82
				1	24			15.45
				12	0			15.49
				12	6			15.62
				12	11			15.69
				25	0			15.59

LTE Band 2, 3 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
3	18615	1851.5	QPSK	1	0	0	0	22.59
				1	7	0	0	22.55
				1	14	0	0	22.69
				8	0	1	1	21.59
				8	4	1	1	21.49
				8	7	1	1	21.72
				15	0	1	1	21.67
			16QAM	1	0	1	1	21.82
				1	7	1	1	22.07
				1	14	1	1	21.87
				8	0	2	2	20.65
				8	4	2	2	20.63
				8	7	2	2	20.73
				15	0	2	2	20.69
	18900	1880	QPSK	1	0	0	0	22.73
				1	7	0	0	22.56
				1	14	0	0	22.73
				8	0	1	1	21.64
				8	4	1	1	21.62
				8	7	1	1	21.59
				15	0	1	1	21.62
			16QAM	1	0	1	1	21.87
				1	7	1	1	21.90
				1	14	1	1	21.90
				8	0	2	2	20.60
				8	4	2	2	20.60
				8	7	2	2	20.46
				15	0	2	2	20.83
	19184	1908.4	QPSK	1	0	0	0	22.77
				1	7	0	0	22.78
				1	14	0	0	23.02
				8	0	1	1	21.77
				8	4	1	1	21.76
				8	7	1	1	21.86
				15	0	1	1	21.78
			16QAM	1	0	1	1	22.10
				1	7	1	1	22.12
				1	14	1	1	22.18
				8	0	2	2	20.88
				8	4	2	2	20.80
				8	7	2	2	20.78
				15	0	2	2	20.85

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
3	18615	1851.5	QPSK	1	0	MPR is disabled when power reduction is enabled		15.30
				1	7			15.64
				1	14			15.40
				8	0			15.31
				8	4			15.26
				8	7			15.43
				15	0			15.43
			16QAM	1	0			15.44
				1	7			15.36
				1	14			15.41
				8	0			15.29
				8	4			15.27
				8	7			15.36
	18900	1880	QPSK	15	0			15.45
				1	0			15.24
				1	7			15.25
				1	14			15.32
				8	0			15.22
				8	4			15.18
				8	7			15.21
				15	0			15.33
			16QAM	1	0			15.27
				1	7			15.31
				1	14			15.27
				8	0			15.20
				8	4			15.16
				8	7			15.43
	19184	1908.4	QPSK	15	0			15.29
				1	0			15.19
				1	7			15.76
				1	14			15.40
				8	0			15.29
				8	4			15.70
				8	7			15.34
				15	0			15.30
			16QAM	1	0			15.70
				1	7			15.60
				1	14			15.40
				8	0			15.34
				8	4			15.69
				8	7			15.43
				15	0			15.36

LTE Band 2, 1.4 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
1.4	18607	1850.7	QPSK	1	0	0	0	22.53
				1	2	0	0	22.51
				1	5	0	0	22.61
				3	0	0	0	22.60
				3	1	0	0	22.64
				3	3	0	0	22.61
			16QAM	6	0	1	1	21.55
				1	0	1	1	21.85
				1	2	1	1	21.86
				1	5	1	1	21.79
				3	0	1	1	21.55
				3	1	1	1	21.65
	18900	1880	QPSK	3	3	1	1	21.62
				6	0	2	2	20.43
			16QAM	1	0	1	1	21.89
				1	2	1	1	21.77
				1	5	1	1	21.72
				3	0	1	1	21.62
	19192	1909.2	QPSK	3	1	1	1	21.64
				3	3	1	1	21.63
				6	0	2	2	20.40
			16QAM	1	0	0	0	22.85
				1	2	0	0	22.74
				1	5	0	0	22.94
	19192	1909.2	QPSK	3	0	0	0	22.86
				3	1	0	0	22.90
				3	3	0	0	22.93
				6	0	1	1	21.99
			16QAM	1	0	1	1	22.15
				1	2	1	1	22.18
				1	5	1	1	22.22
				3	0	1	1	21.85
				3	1	1	1	21.81
				3	3	1	1	21.94
				6	0	2	2	20.68

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
1.4	18607	1850.7	QPSK	1	0	MPR is disabled when power reduction is enabled		15.25
				1	2			15.18
				1	5			15.18
				3	0			15.18
				3	1			15.12
				3	3			15.10
				6	0			15.41
			16QAM	1	0			15.29
				1	2			15.76
				1	5			15.29
				3	0			15.16
				3	1			15.07
				3	3			15.34
				6	0			15.23
	18900	1880	QPSK	1	0			15.42
				1	2			15.34
				1	5			15.41
				3	0			15.41
				3	1			15.36
				3	3			15.37
				6	0			15.35
			16QAM	1	0			15.49
				1	2			15.42
				1	5			15.45
				3	0			15.38
				3	1			15.42
				3	3			15.18
				6	0			15.12
	19192	1909.2	QPSK	1	0			15.63
				1	2			15.56
				1	5			15.23
				3	0			15.58
				3	1			15.56
				3	3			15.61
				6	0			15.53
			16QAM	1	0			15.66
				1	2			15.70
				1	5			15.74
				3	0			15.58
				3	1			15.60
				3	3			15.58
				6	0			15.40

9.10. LTE Band 4

Target Power for LTE Band 4, QPSK and 16QAM modulations

LTE Band 4	
All Bandwidths	23.0 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (RB)						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

The allowed A-MPR values specified below in Table 6.2.4-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	NA
NS_03	6.6.2.2.1	2, 4, 10, 23, 25, 35, 36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2	41	5	>6	≤ 1
			10, 15, 20	See Table 6.2.4-4	
NS_05	6.6.3.3.1	1	10, 15, 20	≥ 50	≤ 1
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	n/a
NS_07	6.6.2.2.3 6.6.3.3.2	13	10	Table 6.2.4-2	Table 6.2.4-2
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4-3	Table 6.2.4-3
NS_11	6.6.2.2.1	23 ¹	1.4, 3, 5, 10	Table 6.2.4-5	Table 6.2.4-5
..					
NS_32	-	-	-	-	-

Note 1: Applies to the lower block of Band 23, i.e. a carrier placed in the 2000-2010 MHz region.

LTE Band 4, 20 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
20	20050	1720	QPSK	1	0	0	0	22.40
				1	49	0	0	22.39
				1	99	0	0	22.57
				50	0	1	1	21.25
				50	24	1	1	21.41
				50	49	1	1	21.43
				100	0	1	1	21.40
			16QAM	1	0	1	1	21.69
				1	49	1	1	21.71
				1	99	1	1	21.84
				50	0	2	2	20.22
				50	24	2	2	20.32
				50	49	2	2	20.38
				100	0	2	2	20.36
	20175	1732.5	QPSK	1	0	0	0	22.45
				1	49	0	0	22.55
				1	99	0	0	22.62
				50	0	1	1	21.45
				50	24	1	1	21.58
				50	49	1	1	21.51
				100	0	1	1	21.47
			16QAM	1	0	1	1	21.67
				1	49	1	1	21.80
				1	99	1	1	21.90
				50	0	2	2	20.34
				50	24	2	2	20.34
				50	49	2	2	20.51
				100	0	2	2	20.51
	20300	1745	QPSK	1	0	0	0	22.42
				1	49	0	0	22.40
				1	99	0	0	22.53
				50	0	1	1	21.42
				50	24	1	1	21.41
				50	49	1	1	21.44
				100	0	1	1	21.43
			16QAM	1	0	1	1	21.64
				1	49	1	1	21.79
				1	99	1	1	21.79
				50	0	2	2	20.39
				50	24	2	2	20.35
				50	49	2	2	20.42
				100	0	2	2	20.42

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
20	20050	1720	QPSK	1	0	MPR is disabled when power reduction is enabled		17.49
				1	49			17.58
				1	99			17.67
				50	0			17.21
				50	24			17.23
				50	49			17.46
				100	0			17.39
			16QAM	1	0			17.59
				1	49			17.43
				1	99			17.78
				50	0			17.23
				50	24			17.35
				50	49			17.44
				100	0			17.36
	20175	1732.5	QPSK	1	0			17.51
				1	49			17.32
				1	99			17.35
				50	0			17.35
				50	24			17.45
				50	49			17.51
				100	0			17.44
			16QAM	1	0			17.57
				1	49			17.65
				1	99			17.67
				50	0			17.34
				50	24			17.44
				50	49			17.51
				100	0			17.39
	20300	1745	QPSK	1	0			17.43
				1	49			17.32
				1	99			17.44
				50	0			17.52
				50	24			17.38
				50	49			17.55
				100	0			17.32
			16QAM	1	0			17.44
				1	49			17.42
				1	99			17.64
				50	0			17.34
				50	24			17.33
				50	49			17.35
				100	0			17.46

LTE Band 4, 15 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
15	20025	1717.5	QPSK	1	0	0	0	22.55
				1	37	0	0	22.59
				1	74	0	0	22.56
				36	0	1	1	21.33
				36	19	1	1	21.36
				36	39	1	1	21.44
				75	0	1	1	21.33
			16QAM	1	0	1	1	21.70
				1	37	1	1	21.72
				1	74	1	1	21.74
				36	0	2	2	20.40
				36	19	2	2	20.39
				36	39	2	2	20.55
				75	0	2	2	20.39
	20175	1732.5	QPSK	1	0	0	0	22.48
				1	37	0	0	22.58
				1	74	0	0	22.55
				36	0	1	1	21.45
				36	19	1	1	21.60
				36	39	1	1	21.55
				75	0	1	1	21.54
			16QAM	1	0	1	1	21.73
				1	37	1	1	21.79
				1	74	1	1	21.75
				36	0	2	2	20.48
				36	19	2	2	20.57
				36	39	2	2	20.57
				75	0	2	2	20.44
	20325	1747.5	QPSK	1	0	0	0	22.73
				1	37	0	0	22.73
				1	74	0	0	22.92
				36	0	1	1	21.55
				36	19	1	1	21.63
				36	39	1	1	21.71
				75	0	1	1	21.56
			16QAM	1	0	1	1	21.88
				1	37	1	1	21.87
				1	74	1	1	22.20
				36	0	2	2	20.57
				36	19	2	2	20.63
				36	39	2	2	20.79
				75	0	2	2	20.54

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
15	20025	1717.5	QPSK	1	0	MPR is disabled when power reduction is enabled		17.50
				1	37			17.69
				1	74			17.57
				36	0			17.41
				36	19			17.40
				36	39			17.55
				75	0			17.44
			16QAM	1	0			17.81
				1	37			17.56
				1	74			17.47
				36	0			17.54
				36	19			17.50
				36	39			17.56
				75	0			17.46
	20175	1732.5	QPSK	1	0			17.40
				1	37			17.44
				1	74			17.49
				36	0			17.53
				36	19			17.55
				36	39			17.65
				75	0			17.55
			16QAM	1	0			17.56
				1	37			17.65
				1	74			17.67
				36	0			17.54
				36	19			17.57
				36	39			17.66
				75	0			17.46
	20325	1747.5	QPSK	1	0			17.59
				1	37			17.62
				1	74			17.65
				36	0			17.42
				36	19			17.52
				36	39			17.64
				75	0			17.40
			16QAM	1	0			17.60
				1	37			17.77
				1	74			17.71
				36	0			17.37
				36	19			17.66
				36	39			17.53
				75	0			17.38

LTE Band 4, 10 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	20000	1715	QPSK	1	0	0	0	22.59
				1	24	0	0	22.48
				1	49	0	0	22.40
				25	0	1	1	21.45
				25	12	1	1	21.45
				25	24	1	1	21.54
				50	0	1	1	21.40
			16QAM	1	0	1	1	21.72
				1	24	1	1	21.85
				1	49	1	1	21.86
				25	0	2	2	20.52
				25	12	2	2	20.44
				25	24	2	2	20.51
				50	0	2	2	20.36
	20175	1732.5	QPSK	1	0	0	0	22.61
				1	24	0	0	22.61
				1	49	0	0	22.54
				25	0	1	1	21.60
				25	12	1	1	21.66
				25	24	1	1	21.70
				50	0	1	1	21.61
			16QAM	1	0	1	1	21.77
				1	24	1	1	21.96
				1	49	1	1	21.94
				25	0	2	2	20.56
				25	12	2	2	20.58
				25	24	2	2	20.62
				50	0	2	2	20.42
	20350	1750	QPSK	1	0	0	0	22.46
				1	24	0	0	22.56
				1	49	0	0	22.49
				25	0	1	1	21.48
				25	12	1	1	21.59
				25	24	1	1	21.52
				50	0	1	1	21.47
			16QAM	1	0	1	1	21.63
				1	24	1	1	21.84
				1	49	1	1	21.70
				25	0	2	2	20.48
				25	12	2	2	20.51
				25	24	2	2	20.71
				50	0	2	2	20.52

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	20000	1715	QPSK	1	0	MPR is disabled when power reduction is enabled		17.61
				1	24			17.64
				1	49			17.39
				25	0			17.53
				25	12			17.52
				25	24			17.54
				50	0			17.43
			16QAM	1	0			17.73
				1	24			17.93
				1	49			17.71
				25	0			17.47
				25	12			17.43
				25	24			17.55
	20175	1732.5	QPSK	50	0			17.38
				1	0			17.64
				1	24			17.33
				1	49			17.31
				25	0			17.27
				25	12			17.48
				25	24			17.45
				50	0			17.45
			16QAM	1	0			17.68
				1	24			17.92
				1	49			17.77
				25	0			17.53
				25	12			17.57
				25	24			17.59
	20350	1750	QPSK	50	0			17.44
				1	0			17.46
				1	24			17.58
				1	49			17.55
				25	0			17.57
				25	12			17.56
				25	24			17.63
				50	0			17.47
			16QAM	1	0			17.51
				1	24			17.66
				1	49			17.61
				25	0			17.49
				25	12			17.50
				25	24			17.58
				50	0			17.41

LTE Band 4, 5 MHz Bandwidth Output Power
Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	19975	1712.5	QPSK	1	0	0	0	22.73
				1	12	0	0	22.62
				1	24	0	0	22.71
				12	0	1	1	21.57
				12	6	1	1	21.55
				12	11	1	1	21.47
				25	0	1	1	21.44
			16QAM	1	0	1	1	21.79
				1	12	1	1	21.67
				1	24	1	1	21.79
				12	0	2	2	20.69
				12	6	2	2	20.57
				12	11	2	2	20.54
				25	0	2	2	20.39
	20175	1732.5	QPSK	1	0	0	0	22.58
				1	12	0	0	22.67
				1	24	0	0	22.70
				12	0	1	1	21.76
				12	6	1	1	21.64
				12	11	1	1	21.67
				25	0	1	1	21.65
			16QAM	1	0	1	1	21.67
				1	12	1	1	21.71
				1	24	1	1	21.76
				12	0	2	2	20.59
				12	6	2	2	20.62
				12	11	2	2	20.64
				25	0	2	2	20.54
	20375	1752.5	QPSK	1	0	0	0	22.62
				1	12	0	0	22.74
				1	24	0	0	22.71
				12	0	1	1	21.72
				12	6	1	1	21.66
				12	11	1	1	21.56
				25	0	1	1	21.51
			16QAM	1	0	1	1	21.70
				1	12	1	1	21.82
				1	24	1	1	21.64
				12	0	2	2	20.75
				12	6	2	2	20.63
				12	11	2	2	20.60
				25	0	2	2	20.45

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	19975	1712.5	QPSK	1	0	MPR is disabled when power reduction is enabled		17.72
				1	12			17.60
				1	24			17.72
				12	0			17.53
				12	6			17.59
				12	11			17.57
				25	0			17.48
			16QAM	1	0			17.81
				1	12			17.73
				1	24			17.82
				12	0			17.55
				12	6			17.53
				12	11			17.29
				25	0			17.23
	20175	1732.5	QPSK	1	0			17.65
				1	12			17.66
				1	24			17.69
				12	0			17.62
				12	6			17.57
				12	11			17.66
				25	0			17.57
			16QAM	1	0			17.76
				1	12			17.81
				1	24			17.82
				12	0			17.47
				12	6			17.36
				12	11			17.63
				25	0			17.55
	20375	1752.5	QPSK	1	0			17.66
				1	12			17.74
				1	24			17.63
				12	0			17.66
				12	6			17.63
				12	11			17.60
				25	0			17.51
			16QAM	1	0			17.78
				1	12			17.89
				1	24			17.77
				12	0			17.68
				12	6			17.66
				12	11			17.62
				25	0			17.52

LTE Band 4, 3 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
3	19965	1711.5	QPSK	1	0	0	0	22.58
				1	7	0	0	22.46
				1	14	0	0	22.42
				8	0	1	1	21.55
				8	4	1	1	21.41
				8	7	1	1	21.33
				15	0	1	1	21.44
			16QAM	1	0	1	1	21.72
				1	7	1	1	21.79
				1	14	1	1	21.71
				8	0	2	2	20.40
				8	4	2	2	20.35
				8	7	2	2	20.29
				15	0	2	2	20.40
	20175	1732.5	QPSK	1	0	0	0	22.57
				1	7	0	0	22.58
				1	14	0	0	22.72
				8	0	1	1	21.53
				8	4	1	1	21.58
				8	7	1	1	21.66
				15	0	1	1	21.53
			16QAM	1	0	1	1	21.77
				1	7	1	1	21.84
				1	14	1	1	21.89
				8	0	2	2	20.57
				8	4	2	2	20.49
				8	7	2	2	20.50
				15	0	2	2	20.71
	20384	1753.4	QPSK	1	0	0	0	22.66
				1	7	0	0	22.55
				1	14	0	0	22.57
				8	0	1	1	21.55
				8	4	1	1	21.48
				8	7	1	1	21.50
				15	0	1	1	21.38
			16QAM	1	0	1	1	21.82
				1	7	1	1	21.82
				1	14	1	1	21.77
				8	0	2	2	20.53
				8	4	2	2	20.43
				8	7	2	2	20.43
				15	0	2	2	20.49

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
3	19965	1711.5	QPSK	1	0	MPR is disabled when power reduction is enabled		17.47
				1	7			17.33
				1	14			17.36
				8	0			17.34
				8	4			17.24
				8	7			17.24
				15	0			17.44
			16QAM	1	0			17.79
				1	7			17.41
				1	14			17.44
				8	0			17.36
				8	4			17.24
				8	7			17.23
				15	0			17.35
	20175	1732.5	QPSK	1	0			17.56
				1	7			17.56
				1	14			17.66
				8	0			17.47
				8	4			17.45
				8	7			17.57
				15	0			17.41
			16QAM	1	0			17.62
				1	7			17.88
				1	14			17.70
				8	0			17.47
				8	4			17.48
				8	7			17.45
				15	0			17.48
	20384	1753.4	QPSK	1	0			17.61
				1	7			17.64
				1	14			17.56
				8	0			17.56
				8	4			17.49
				8	7			17.46
				15	0			17.49
			16QAM	1	0			17.63
				1	7			17.67
				1	14			17.63
				8	0			17.56
				8	4			17.47
				8	7			17.44
				15	0			17.53

LTE Band 4, 1.4 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
1.4	19957	1710.7	QPSK	1	0	0	0	22.43
				1	2	0	0	22.39
				1	5	0	0	22.35
				3	0	0	0	22.41
				3	1	0	0	22.48
				3	3	0	0	22.49
				6	0	1	1	21.46
			16QAM	1	0	1	1	21.03
				1	2	1	1	21.01
				1	5	1	1	21.04
				3	0	1	1	21.70
				3	1	1	1	21.69
				3	3	1	1	21.58
				6	0	2	2	20.61
	20175	1732.5	QPSK	1	0	0	0	22.57
				1	2	0	0	22.60
				1	5	0	0	22.64
				3	0	0	0	22.55
				3	1	0	0	22.52
				3	3	0	0	22.48
				6	0	1	1	21.63
			16QAM	1	0	1	1	21.94
				1	2	1	1	21.79
				1	5	1	1	21.85
				3	0	1	1	21.48
				3	1	1	1	21.40
				3	3	1	1	21.44
				6	0	2	2	20.47
	20392	1754.2	QPSK	1	0	0	0	22.52
				1	2	0	0	22.50
				1	5	0	0	22.51
				3	0	0	0	22.44
				3	1	0	0	22.44
				3	3	0	0	22.52
				6	0	1	1	21.45
			16QAM	1	0	1	1	21.72
				1	2	1	1	21.69
				1	5	1	1	21.69
				3	0	1	1	21.32
				3	1	1	1	21.41
				3	3	1	1	21.41
				6	0	2	2	20.25

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
1.4	19957	1710.7	QPSK	1	0	MPR is disabled when power reduction is enabled		17.48
				1	2			17.42
				1	5			17.52
				3	0			17.49
				3	1			17.47
				3	3			17.45
				6	0			17.54
			16QAM	1	0			17.77
				1	2			17.85
				1	5			17.67
				3	0			17.52
				3	1			17.62
				3	3			17.52
				6	0			17.32
	20175	1732.5	QPSK	1	0			17.52
				1	2			17.52
				1	5			17.50
				3	0			17.50
				3	1			17.52
				3	3			17.47
				6	0			17.73
			16QAM	1	0			17.81
				1	2			17.85
				1	5			17.62
				3	0			17.69
				3	1			17.53
				3	3			17.39
				6	0			17.31
	20392	1754.2	QPSK	1	0			17.42
				1	2			17.40
				1	5			17.58
				3	0			17.46
				3	1			17.49
				3	3			17.44
				6	0			17.49
			16QAM	1	0			17.81
				1	2			17.55
				1	5			17.54
				3	0			17.53
				3	1			17.51
				3	3			17.50
				6	0			17.31

9.11. LTE Band 5

Target Power for LTE Band 5, QPSK and 16QAM modulations

LTE Band 5	
All Bandwidths	23.0 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (RB)						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	NA
NS_03	6.6.2.2.1	2, 4, 10, 23, 25, 35, 36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2	41	5	>6	≤ 1
			10, 15, 20	See Table 6.2.4-4	
NS_05	6.6.3.3.1	1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	n/a
NS_07	6.6.2.2.3 6.6.3.3.2	13	10	Table 6.2.4-2	Table 6.2.4-2
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4-3	Table 6.2.4-3
NS_11	6.6.2.2.1	23 ¹	1.4, 3, 5, 10	Table 6.2.4-5	Table 6.2.4-5
..					
NS_32	-	-	-	-	-

Note 1: Applies to the lower block of Band 23, i.e. a carrier placed in the 2000-2010 MHz region.

LTE Band 5, 10 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	20450	829	QPSK	1	0	0	0	22.06
				1	24	0	0	22.12
				1	49	0	0	22.14
				25	0	1	1	21.08
				25	12	1	1	21.01
				25	24	1	1	21.04
				50	0	1	1	21.05
			16QAM	1	0	1	1	21.19
				1	24	1	1	21.32
				1	49	1	1	21.41
				25	0	2	2	20.09
				25	12	2	2	20.12
				25	24	2	2	20.13
				50	0	2	2	20.03
	20525	836.5	QPSK	1	0	0	0	22.02
				1	24	0	0	22.09
				1	49	0	0	22.02
				25	0	1	1	21.01
				25	12	1	1	21.05
				25	24	1	1	21.06
				50	0	1	1	21.02
			16QAM	1	0	1	1	21.19
				1	24	1	1	21.37
				1	49	1	1	21.38
				25	0	2	2	20.19
				25	12	2	2	20.02
				25	24	2	2	20.20
				50	0	2	2	20.01
	20600	844	QPSK	1	0	0	0	22.01
				1	24	0	0	22.13
				1	49	0	0	22.02
				25	0	1	1	21.06
				25	12	1	1	21.08
				25	24	1	1	21.01
				50	0	1	1	21.01
			16QAM	1	0	1	1	21.27
				1	24	1	1	21.36
				1	49	1	1	21.19
				25	0	2	2	20.12
				25	12	2	2	20.11
				25	24	2	2	20.01
				50	0	2	2	20.01

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	20450	829	QPSK	1	0	MPR is disabled when power reduction is enabled		19.02
				1	24			19.13
				1	49			19.06
				25	0			19.04
				25	12			19.09
				25	24			19.30
				50	0			19.38
			16QAM	1	0			19.43
				1	24			19.46
				1	49			19.48
				25	0			19.29
				25	12			19.34
				25	24			19.24
	20525	836.5	QPSK	50	0			19.23
				1	0			19.31
				1	24			19.29
				1	49			19.11
				25	0			19.35
				25	12			19.35
				25	24			19.32
				50	0			19.31
			16QAM	1	0			19.36
				1	24			19.49
				1	49			19.44
				25	0			19.29
				25	12			19.29
				25	24			19.32
	20600	844	QPSK	50	0			19.20
				1	0			19.30
				1	24			19.44
				1	49			19.18
				25	0			19.25
				25	12			19.32
				25	24			19.20
				50	0			19.18
			16QAM	1	0			19.39
				1	24			19.48
				1	49			19.28
				25	0			19.21
				25	12			19.19
				25	24			19.16
				50	0			19.11

LTE Band 5, 5 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	20425	826.5	QPSK	1	0	0	0	22.04
				1	12	0	0	22.28
				1	24	0	0	22.31
				12	0	1	1	21.01
				12	6	1	1	21.28
				12	11	1	1	21.27
				25	0	1	1	21.16
			16QAM	1	0	1	1	21.35
				1	12	1	1	21.35
				1	24	1	1	21.36
				12	0	2	2	20.41
				12	6	2	2	20.21
				12	11	2	2	20.24
				25	0	2	2	20.16
	20525	836.5	QPSK	1	0	0	0	22.03
				1	12	0	0	22.14
				1	24	0	0	22.08
				12	0	1	1	21.06
				12	6	1	1	21.12
				12	11	1	1	21.12
				25	0	1	1	21.09
			16QAM	1	0	1	1	21.37
				1	12	1	1	21.21
				1	24	1	1	21.30
				12	0	2	2	20.26
				12	6	2	2	20.24
				12	11	2	2	20.23
				25	0	2	2	20.23
	20625	846.5	QPSK	1	0	0	0	22.41
				1	12	0	0	22.18
				1	24	0	0	22.16
				12	0	1	1	21.13
				12	6	1	1	21.05
				12	11	1	1	21.21
				25	0	1	1	21.02
			16QAM	1	0	1	1	21.42
				1	12	1	1	21.14
				1	24	1	1	21.19
				12	0	2	2	20.31
				12	6	2	2	20.13
				12	11	2	2	20.02
				25	0	2	2	20.01

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	20425	826.5	QPSK	1	0	MPR is disabled when power reduction is enabled		19.31
				1	12			19.32
				1	24			19.31
				12	0			19.22
				12	6			19.29
				12	11			19.24
				25	0			19.22
			16QAM	1	0			19.37
				1	12			19.44
				1	24			19.38
				12	0			19.25
				12	6			19.22
				12	11			19.29
				25	0			19.19
	20525	836.5	QPSK	1	0			19.26
				1	12			19.34
				1	24			19.33
				12	0			19.22
				12	6			19.24
				12	11			19.29
				25	0			19.16
			16QAM	1	0			19.30
				1	12			19.40
				1	24			19.33
				12	0			19.19
				12	6			19.22
				12	11			19.22
	20625	846.5	QPSK	25	0			19.13
				1	0			19.24
				1	12			18.92
				1	24			18.97
				12	0			19.31
				12	6			19.02
				12	11			18.88
				25	0			18.92
			16QAM	1	0			19.56
				1	12			19.23
				1	24			19.29
				12	0			19.26
				12	6			19.03
				12	11			18.97
				25	0			18.91

LTE Band 5, 3 MHz Bandwidth Output Power
Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
3	20415	825.5	QPSK	1	0	0	0	22.02
				1	7	0	0	22.03
				1	14	0	0	22.11
				8	0	1	1	21.04
				8	4	1	1	21.01
				8	7	1	1	21.01
				15	0	1	1	21.01
			16QAM	1	0	1	1	21.35
				1	7	1	1	21.19
				1	14	1	1	21.21
				8	0	2	2	20.02
				8	4	2	2	20.06
				8	7	2	2	20.02
				15	0	2	2	20.11
	20525	836.5	QPSK	1	0	0	0	22.17
				1	7	0	0	22.13
				1	14	0	0	22.20
				8	0	1	1	21.14
				8	4	1	1	21.16
				8	7	1	1	21.15
				15	0	1	1	21.08
			16QAM	1	0	1	1	21.27
				1	7	1	1	21.18
				1	14	1	1	21.32
				8	0	2	2	20.18
				8	4	2	2	20.17
				8	7	2	2	20.10
				15	0	2	2	20.20
	20634	847.4	QPSK	1	0	0	0	22.14
				1	7	0	0	22.01
				1	14	0	0	22.03
				8	0	1	1	21.01
				8	4	1	1	21.01
				8	7	1	1	21.01
				15	0	1	1	21.01
			16QAM	1	0	1	1	21.11
				1	7	1	1	21.01
				1	14	1	1	21.12
				8	0	2	2	20.01
				8	4	2	2	20.01
				8	7	2	2	20.01
				15	0	2	2	20.02

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
3	20415	825.5	QPSK	1	0	MPR is disabled when power reduction is enabled		19.20
				1	7			19.20
				1	14			19.26
				8	0			19.13
				8	4			19.09
				8	7			19.10
				15	0			19.10
			16QAM	1	0			19.22
				1	7			19.29
				1	14			19.33
				8	0			19.08
				8	4			19.07
				8	7			19.12
				15	0			19.11
	20525	836.5	QPSK	1	0			19.18
				1	7			19.33
				1	14			19.12
				8	0			19.06
				8	4			19.23
				8	7			18.99
				15	0			19.19
			16QAM	1	0			19.35
				1	7			19.41
				1	14			19.43
				8	0			19.17
				8	4			19.24
				8	7			19.20
				15	0			19.01
	20634	847.4	QPSK	1	0			19.05
				1	7			18.94
				1	14			19.15
				8	0			18.91
				8	4			18.98
				8	7			18.98
				15	0			19.05
			16QAM	1	0			19.22
				1	7			19.06
				1	14			19.20
				8	0			18.89
				8	4			18.97
				8	7			19.06
				15	0			19.06

LTE Band 5, 1.4 MHz Bandwidth Output Power
Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
1.4	20407	824.7	QPSK	1	0	0	0	22.02
				1	2	0	0	22.01
				1	5	0	0	22.01
				3	0	0	0	22.01
				3	1	0	0	22.01
				3	3	0	0	22.01
			16QAM	6	0	1	1	21.06
				1	0	1	1	21.15
				1	2	1	1	21.15
				1	5	1	1	21.17
				3	0	1	1	21.01
				3	1	1	1	21.01
	20525	836.5	QPSK	3	3	1	1	21.01
				6	0	2	2	20.01
				1	0	0	0	22.12
				1	2	0	0	22.12
				1	5	0	0	22.09
				3	0	0	0	22.05
			16QAM	3	1	0	0	22.03
				3	3	0	0	22.06
				6	0	1	1	21.14
				1	0	1	1	21.26
				1	2	1	1	21.26
				1	5	1	1	21.42
	20642	848.2	QPSK	3	0	1	1	21.01
				3	1	1	1	21.03
				3	3	1	1	21.02
				6	0	2	2	20.01
			16QAM	1	0	0	0	22.03
				1	2	0	0	22.01
				1	5	0	0	22.02
				3	0	0	0	22.01
				3	1	0	0	22.02
				3	3	0	0	22.01
				6	0	1	1	21.01
			16QAM	1	0	1	1	21.03
				1	2	1	1	21.07
				1	5	1	1	21.05
				3	0	1	1	21.01
				3	1	1	1	21.01
				3	3	1	1	21.01
				6	0	2	2	20.01

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
1.4	20407	824.7	QPSK	1	0	MPR is disabled when power reduction is enabled		19.06
				1	2			19.07
				1	5			19.13
				3	0			19.14
				3	1			19.09
				3	3			19.13
				6	0			19.01
			16QAM	1	0			18.65
				1	2			18.62
				1	5			18.72
				3	0			19.25
				3	1			19.24
				3	3			19.25
				6	0			19.22
	20525	836.5	QPSK	1	0			19.10
				1	2			19.29
				1	5			19.36
				3	0			19.14
				3	1			19.27
				3	3			19.23
				6	0			19.14
			16QAM	1	0			19.12
				1	2			19.41
				1	5			19.42
				3	0			19.21
				3	1			19.15
				3	3			18.86
				6	0			19.11
	20642	848.2	QPSK	1	0			18.91
				1	2			19.06
				1	5			19.06
				3	0			18.97
				3	1			19.12
				3	3			19.11
				6	0			19.05
			16QAM	1	0			18.72
				1	2			18.74
				1	5			18.78
				3	0			18.99
				3	1			19.19
				3	3			19.12
				6	0			19.04

9.12. LTE Band 13

Target Power for LTE Band 13, QPSK and 16QAM modulations

LTE Band 13	
All Bandwidths	23.0 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

Target power indicated above is the nominal value. The measured value shall fall within +/- 1dB of this value.

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (RB)						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	NA
NS_03	6.6.2.2.1	2, 4, 10, 23, 25, 35, 36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2	41	5	>6	≤ 1
			10, 15, 20	See Table 6.2.4-4	
NS_05	6.6.3.3.1	1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	n/a
NS_07	6.6.2.2.3 6.6.3.3.2	13	10	Table 6.2.4-2	Table 6.2.4-2
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4-3	Table 6.2.4-3
NS_11	6.6.2.2.1	23 ¹	1.4, 3, 5, 10	Table 6.2.4-5	Table 6.2.4-5
..					
NS_32	-	-	-	-	-

Note 1: Applies to the lower block of Band 23, i.e. a carrier placed in the 2000-2010 MHz region.

LTE Band 13, 10 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	23230	782	QPSK	1	0	0	0	22.03
				1	24	0	0	22.40
				1	49	0	0	22.34
				25	0	1	1	21.25
				25	12	1	1	21.43
				25	24	1	1	21.41
				50	0	1	1	21.32
			16QAM	1	0	1	1	21.14
				1	24	1	1	21.60
				1	49	1	1	21.63
				25	0	2	2	20.30
				25	12	2	2	20.46
				25	24	2	2	20.42
				50	0	2	2	20.24

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	23230	782	QPSK	1	0	MPR is disabled when power reduction is enabled		19.44
				1	24			19.84
				1	49			19.75
				25	0			19.78
				25	12			20.06
				25	24			20.12
				50	0			19.73
			16QAM	1	0			19.79
				1	24			20.24
				1	49			20.10
				25	0			19.88
				25	12			20.10
				25	24			19.91
				50	0			19.84

LTE Band 13, 5 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	23205	779.5	QPSK	1	0	0	0	22.20
				1	12	0	0	22.45
				1	24	0	0	22.61
				12	0	1	1	21.17
				12	6	1	1	21.30
				12	11	1	1	21.39
				25	0	1	1	21.29
			16QAM	1	0	1	1	21.54
				1	12	1	1	21.53
				1	24	1	1	21.61
				12	0	2	2	20.18
				12	6	2	2	20.50
				12	11	2	2	20.48
				25	0	2	2	20.26
	23230	782	QPSK	1	0	0	0	22.45
				1	12	0	0	22.58
				1	24	0	0	22.70
				12	0	1	1	21.41
				12	6	1	1	21.52
				12	11	1	1	21.56
				25	0	1	1	21.56
			16QAM	1	0	1	1	21.51
				1	12	1	1	21.63
				1	24	1	1	21.68
				12	0	2	2	20.37
				12	6	2	2	20.68
				12	11	2	2	20.80
				25	0	2	2	20.50
	23255	784.5	QPSK	1	0	0	0	22.61
				1	12	0	0	22.57
				1	24	0	0	22.43
				12	0	1	1	21.58
				12	6	1	1	21.57
				12	11	1	1	21.52
				25	0	1	1	21.50
			16QAM	1	0	1	1	21.61
				1	12	1	1	21.59
				1	24	1	1	21.43
				12	0	2	2	20.77
				12	6	2	2	20.63
				12	11	2	2	20.54
				25	0	2	2	20.69

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	23205	779.5	QPSK	1	0	MPR is disabled when power reduction is enabled		19.67
				1	12			19.86
				1	24			20.05
				12	0			19.64
				12	6			19.77
				12	11			19.84
				25	0			19.76
			16QAM	1	0			19.84
				1	12			20.01
				1	24			20.17
				12	0			19.63
				12	6			19.74
				12	11			19.73
				25	0			19.55
	23230	782	QPSK	1	0			19.70
				1	12			19.94
				1	24			20.29
				12	0			19.80
				12	6			19.89
				12	11			19.89
				25	0			20.13
			16QAM	1	0			19.86
				1	12			20.06
				1	24			20.34
				12	0			19.98
				12	6			20.04
				12	11			19.93
				25	0			20.07
	23255	784.5	QPSK	1	0			20.03
				1	12			19.98
				1	24			19.79
				12	0			20.05
				12	6			19.94
				12	11			19.95
				25	0			19.83
			16QAM	1	0			20.06
				1	12			20.16
				1	24			20.12
				12	0			19.97
				12	6			19.99
				12	11			19.88
				25	0			19.81

LTE Band 17

Target Power for LTE Band 17, QPSK and 16QAM modulations

LTE Band 17	
All Bandwidths	23.0 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (RB)						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	NA
NS_03	6.6.2.2.1	2, 4, 10, 23, 25, 35, 36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2	41	5	>6	≤ 1
			10, 15, 20	See Table 6.2.4-4	
NS_05	6.6.3.3.1	1	10, 15, 20	≥ 50	≤ 1
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	n/a
NS_07	6.6.2.2.3	13	10	Table 6.2.4-2	Table 6.2.4-2
	6.6.3.3.2				
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4-3	Table 6.2.4-3
NS_11	6.6.2.2.1	23 ¹	1.4, 3, 5, 10	Table 6.2.4-5	Table 6.2.4-5
..					
NS_32	-	-	-	-	-

Note 1: Applies to the lower block of Band 23, i.e. a carrier placed in the 2000-2010 MHz region.

LTE Band 17, 10 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	23780	709	QPSK	1	0	0	0	22.05
				1	24	0	0	22.49
				1	49	0	0	22.22
				25	0	1	1	21.34
				25	12	1	1	21.32
				25	24	1	1	21.31
				50	0	1	1	21.13
			16QAM	1	0	1	1	21.15
				1	24	1	1	21.68
				1	49	1	1	21.36
				25	0	2	2	20.15
				25	12	2	2	20.38
				25	24	2	2	20.57
				50	0	2	2	20.07
	23790	710	QPSK	1	0	0	0	22.13
				1	24	0	0	22.30
				1	49	0	0	22.03
				25	0	1	1	21.42
				25	12	1	1	21.30
				25	24	1	1	21.24
				50	0	1	1	21.22
			16QAM	1	0	1	1	21.35
				1	24	1	1	21.63
				1	49	1	1	21.28
				25	0	2	2	20.43
				25	12	2	2	20.34
				25	24	2	2	20.28
				50	0	2	2	20.14
	23800	711	QPSK	1	0	0	0	22.21
				1	24	0	0	22.16
				1	49	0	0	22.00
				25	0	1	1	21.32
				25	12	1	1	21.30
				25	24	1	1	21.14
				50	0	1	1	21.12
			16QAM	1	0	1	1	21.53
				1	24	1	1	21.56
				1	49	1	1	21.27
				25	0	2	2	20.31
				25	12	2	2	20.44
				25	24	2	2	20.24
				50	0	2	2	20.27

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	23780	709	QPSK	1	0	MPR is disabled when power reduction is enabled		19.57
				1	24			19.85
				1	49			19.61
				25	0			19.70
				25	12			19.78
				25	24			19.80
				50	0			19.68
			16QAM	1	0			19.57
				1	24			20.27
				1	49			20.02
				25	0			19.77
				25	12			19.73
				25	24			19.83
				50	0			19.53
	23790	710	QPSK	1	0			19.74
				1	24			19.97
				1	49			19.69
				25	0			19.91
				25	12			19.87
				25	24			19.80
				50	0			19.70
			16QAM	1	0			19.78
				1	24			20.04
				1	49			19.77
				25	0			19.83
				25	12			19.80
				25	24			19.78
				50	0			19.89
	23800	711	QPSK	1	0			19.88
				1	24			19.98
				1	49			19.45
				25	0			19.70
				25	12			19.79
				25	24			19.87
				50	0			19.85
			16QAM	1	0			19.41
				1	24			19.45
				1	49			19.08
				25	0			19.89
				25	12			19.89
				25	24			19.84
				50	0			19.86

LTE Band 17, 5 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	23755	706.5	QPSK	1	0	0	0	22.30
				1	12	0	0	22.52
				1	24	0	0	22.51
				12	0	1	1	21.46
				12	6	1	1	21.62
				12	11	1	1	21.70
				25	0	1	1	21.35
			16QAM	1	0	1	1	21.37
				1	12	1	1	21.53
				1	24	1	1	21.52
				12	0	2	2	20.33
				12	6	2	2	20.37
				12	11	2	2	20.36
				25	0	2	2	20.30
	23790	710	QPSK	1	0	0	0	22.47
				1	12	0	0	22.37
				1	24	0	0	22.64
				12	0	1	1	21.34
				12	6	1	1	21.52
				12	11	1	1	21.54
				25	0	1	1	21.48
			16QAM	1	0	1	1	21.71
				1	12	1	1	21.68
				1	24	1	1	21.73
				12	0	2	2	20.57
				12	6	2	2	20.34
				12	11	2	2	20.54
				25	0	2	2	20.51
	23825	713.5	QPSK	1	0	0	0	22.54
				1	12	0	0	22.45
				1	24	0	0	22.28
				12	0	1	1	21.53
				12	6	1	1	21.35
				12	11	1	1	21.40
				25	0	1	1	21.32
			16QAM	1	0	1	1	21.61
				1	12	1	1	21.44
				1	24	1	1	21.30
				12	0	2	2	20.48
				12	6	2	2	20.32
				12	11	2	2	20.41
				25	0	2	2	20.43

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	23755	706.5	QPSK	1	0	MPR is disabled when power reduction is enabled		19.79
				1	12			20.04
				1	24			20.08
				12	0			19.89
				12	6			19.95
				12	11			20.01
				25	0			19.89
			16QAM	1	0			19.85
				1	12			20.14
				1	24			20.15
				12	0			19.88
				12	6			19.94
				12	11			19.97
				25	0			19.85
	23790	710	QPSK	1	0			20.05
				1	12			19.93
				1	24			20.00
				12	0			19.94
				12	6			19.99
				12	11			19.97
				25	0			19.90
			16QAM	1	0			20.11
				1	12			20.03
				1	24			20.07
				12	0			19.95
				12	6			20.03
				12	11			20.17
				25	0			19.87
	23825	713.5	QPSK	1	0			20.01
				1	12			19.91
				1	24			19.70
				12	0			19.90
				12	6			19.81
				12	11			19.81
				25	0			20.01
			16QAM	1	0			20.06
				1	12			19.91
				1	24			19.98
				12	0			19.93
				12	6			19.76
				12	11			19.78
				25	0			19.91

9.13. LTE Band 25

Target Power for LTE Band 25, QPSK and 16QAM modulations

LTE Band 25	
All Bandwidths	23.0 dBm

Tune-Up Tolerance: +1.0 dB/- 1.0 dB

The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3-1 of the 3GPP TS36.101.

Table 6.2.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	Channel bandwidth / Transmission bandwidth (RB)						MPR (dB)
	1.4 MHz	3.0 MHz	5 MHz	10 MHz	15 MHz	20 MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤ 1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤ 1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤ 2

The allowed A-MPR values specified below in Table 6.2.4.-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".

Table 6.2.4-1: Additional Maximum Power Reduction (A-MPR)

Network Signalling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N_{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.5-1	1.4, 3, 5, 10, 15, 20	Table 5.6-1	NA
NS_03	6.6.2.2.1	2, 4, 10, 23, 25, 35, 36	3	>5	≤ 1
			5	>6	≤ 1
			10	>6	≤ 1
			15	>8	≤ 1
			20	>10	≤ 1
NS_04	6.6.2.2.2	41	5	>6	≤ 1
			10, 15, 20	See Table 6.2.4-4	
NS_05	6.6.3.3.1	1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.6-1	n/a
NS_07	6.6.2.2.3 6.6.3.3.2	13	10	Table 6.2.4-2	Table 6.2.4-2
NS_08	6.6.3.3.3	19	10, 15	> 44	≤ 3
NS_09	6.6.3.3.4	21	10, 15	> 40	≤ 1
				> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4-3	Table 6.2.4-3
NS_11	6.6.2.2.1	23 ¹	1.4, 3, 5, 10	Table 6.2.4-5	Table 6.2.4-5
..					
NS_32	-	-	-	-	-

Note 1: Applies to the lower block of Band 23, i.e. a carrier placed in the 2000-2010 MHz region.

LTE Band 25, 20 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
20	26140	1860	QPSK	1	0	0	0	22.53
				1	49	0	0	22.56
				1	99	0	0	22.53
				50	0	1	1	21.55
				50	24	1	1	21.62
				50	49	1	1	21.45
				100	0	1	1	21.44
			16QAM	1	0	1	1	21.70
				1	49	1	1	21.90
				1	99	1	1	21.94
				50	0	2	2	20.67
				50	24	2	2	20.45
				50	49	2	2	20.45
				100	0	2	2	20.47
	26365	1882.5	QPSK	1	0	0	0	22.41
				1	49	0	0	22.51
				1	99	0	0	22.64
				50	0	1	1	21.50
				50	24	1	1	21.54
				50	49	1	1	21.49
				100	0	1	1	21.41
			16QAM	1	0	1	1	21.69
				1	49	1	1	21.73
				1	99	1	1	21.78
				50	0	2	2	20.56
				50	24	2	2	20.54
				50	49	2	2	20.38
				100	0	2	2	20.43
	26590	1905	QPSK	1	0	0	0	22.43
				1	49	0	0	22.52
				1	99	0	0	22.68
				50	0	1	1	21.41
				50	24	1	1	21.53
				50	49	1	1	21.58
				100	0	1	1	21.66
			16QAM	1	0	1	1	21.63
				1	49	1	1	22.03
				1	99	1	1	22.13
				50	0	2	2	20.44
				50	24	2	2	20.54
				50	49	2	2	20.53
				100	0	2	2	20.52

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
20	26140	1860	QPSK	1	0	MPR is disabled when power reduction is enabled		14.68
				1	49			15.11
				1	99			14.80
				50	0			14.83
				50	24			14.84
				50	49			14.98
				100	0			14.87
			16QAM	1	0			14.72
				1	49			15.11
				1	99			14.91
				50	0			14.81
				50	24			14.81
				50	49			14.81
				100	0			14.60
	26365	1882.5	QPSK	1	0			14.88
				1	49			14.73
				1	99			14.74
				50	0			14.99
				50	24			15.04
				50	49			14.62
				100	0			14.81
			16QAM	1	0			15.28
				1	49			15.32
				1	99			15.31
				50	0			14.83
				50	24			15.18
				50	49			15.07
				100	0			15.06
	26590	1905	QPSK	1	0			14.65
				1	49			14.81
				1	99			14.83
				50	0			14.61
				50	24			15.02
				50	49			15.26
				100	0			14.93
			16QAM	1	0			15.23
				1	49			14.89
				1	99			15.51
				50	0			15.07
				50	24			15.16
				50	49			15.12
				100	0			15.05

LTE Band 25, 15 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
15	26115	1857.5	QPSK	1	0	0	0	22.67
				1	37	0	0	22.53
				1	74	0	0	22.49
				36	0	1	1	21.42
				36	19	1	1	21.55
				36	39	1	1	21.49
				75	0	1	1	21.43
			16QAM	1	0	1	1	21.72
				1	37	1	1	21.91
				1	74	1	1	21.80
				36	0	2	2	20.64
				36	19	2	2	20.67
				36	39	2	2	20.50
				75	0	2	2	20.48
	26365	1882.5	QPSK	1	0	0	0	22.51
				1	37	0	0	22.53
				1	74	0	0	22.52
				36	0	1	1	21.49
				36	19	1	1	21.54
				36	39	1	1	21.44
				75	0	1	1	21.39
			16QAM	1	0	1	1	21.63
				1	37	1	1	21.90
				1	74	1	1	21.90
				36	0	2	2	20.72
				36	19	2	2	20.58
				36	39	2	2	20.52
				75	0	2	2	20.43
	26615	1907.5	QPSK	1	0	0	0	22.52
				1	37	0	0	22.65
				1	74	0	0	22.71
				36	0	1	1	21.51
				36	19	1	1	21.52
				36	39	1	1	21.62
				75	0	1	1	21.55
			16QAM	1	0	1	1	21.65
				1	37	1	1	21.73
				1	74	1	1	21.95
				36	0	2	2	20.56
				36	19	2	2	20.65
				36	39	2	2	20.66
				75	0	2	2	20.54

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
15	26115	1857.5	QPSK	1	0	MPR is disabled when power reduction is enabled		14.85
				1	37			14.83
				1	74			14.80
				36	0			15.09
				36	19			14.79
				36	39			14.74
				75	0			14.66
			16QAM	1	0			15.10
				1	37			14.77
				1	74			15.31
				36	0			15.19
				36	19			14.91
				36	39			14.96
				75	0			15.16
	26365	1882.5	QPSK	1	0			14.69
				1	37			15.05
				1	74			14.82
				36	0			15.16
				36	19			14.78
				36	39			14.53
				75	0			14.57
			16QAM	1	0			15.14
				1	37			14.78
				1	74			15.26
				36	0			15.19
				36	19			15.23
				36	39			15.13
				75	0			14.82
	26615	1907.5	QPSK	1	0			14.73
				1	37			15.06
				1	74			15.15
				36	0			15.18
				36	19			14.77
				36	39			14.84
				75	0			15.12
			16QAM	1	0			14.93
				1	37			15.29
				1	74			14.95
				36	0			14.97
				36	19			14.81
				36	39			15.04
				75	0			15.26

LTE Band 25, 10 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	26090	1855	QPSK	1	0	0	0	22.60
				1	24	0	0	22.54
				1	49	0	0	22.48
				25	0	1	1	21.44
				25	12	1	1	21.52
				25	24	1	1	21.57
				50	0	1	1	21.41
			16QAM	1	0	1	1	21.79
				1	24	1	1	21.68
				1	49	1	1	21.82
				25	0	2	2	20.50
				25	12	2	2	20.56
				25	24	2	2	20.57
				50	0	2	2	20.46
	26365	1882.5	QPSK	1	0	0	0	22.43
				1	24	0	0	22.48
				1	49	0	0	22.50
				25	0	1	1	21.49
				25	12	1	1	21.58
				25	24	1	1	21.50
				50	0	1	1	21.36
			16QAM	1	0	1	1	21.68
				1	24	1	1	21.74
				1	49	1	1	21.69
				25	0	2	2	20.60
				25	12	2	2	20.42
				25	24	2	2	20.55
				50	0	2	2	20.49
	26640	1910	QPSK	1	0	0	0	22.49
				1	24	0	0	22.54
				1	49	0	0	22.50
				25	0	1	1	21.71
				25	12	1	1	21.65
				25	24	1	1	21.65
				50	0	1	1	21.57
			16QAM	1	0	1	1	21.84
				1	24	1	1	21.86
				1	49	1	1	21.75
				25	0	2	2	20.73
				25	12	2	2	20.65
				25	24	2	2	20.71
				50	0	2	2	20.56

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
10	26090	1855	QPSK	1	0	MPR is disabled when power reduction is enabled		14.97
				1	24			14.92
				1	49			14.92
				25	0			14.85
				25	12			14.84
				25	24			14.95
				50	0			14.83
			16QAM	1	0			14.94
				1	24			14.98
				1	49			15.03
				25	0			14.81
				25	12			14.82
				25	24			14.86
	26365	1882.5	QPSK	50	0			14.73
				1	0			14.93
				1	24			14.95
				1	49			14.88
				25	0			14.88
				25	12			14.84
				25	24			14.81
				50	0			14.80
			16QAM	1	0			14.88
				1	24			14.93
				1	49			14.89
				25	0			15.01
				25	12			15.13
				25	24			14.73
	26640	1910	QPSK	50	0			14.76
				1	0			14.90
				1	24			15.41
				1	49			14.79
				25	0			14.85
				25	12			15.28
				25	24			15.31
				50	0			14.73
			16QAM	1	0			14.90
				1	24			15.37
				1	49			15.47
				25	0			15.30
				25	12			14.76
				25	24			15.30
				50	0			15.22

**LTE Band 25, 5 MHz Bandwidth Output Power
Full Power (Proximity Sensor Off)**

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	26065	1852.5	QPSK	1	0	0	0	22.68
				1	12	0	0	22.73
				1	24	0	0	22.74
				12	0	1	1	21.60
				12	6	1	1	21.58
				12	11	1	1	21.49
				25	0	1	1	21.47
			16QAM	1	0	1	1	21.69
				1	12	1	1	21.86
				1	24	1	1	21.79
				12	0	2	2	20.66
				12	6	2	2	20.60
				12	11	2	2	20.51
				25	0	2	2	20.39
	26365	1882.5	QPSK	1	0	0	0	22.54
				1	12	0	0	22.52
				1	24	0	0	22.55
				12	0	1	1	21.63
				12	6	1	1	21.49
				12	11	1	1	21.50
				25	0	1	1	21.52
			16QAM	1	0	1	1	21.77
				1	12	1	1	21.82
				1	24	1	1	21.77
				12	0	2	2	20.67
				12	6	2	2	20.52
				12	11	2	2	20.68
				25	0	2	2	20.59
	26665	1912.5	QPSK	1	0	0	0	22.65
				1	12	0	0	22.89
				1	24	0	0	22.76
				12	0	1	1	21.73
				12	6	1	1	21.81
				12	11	1	1	21.74
				25	0	1	1	21.78
			16QAM	1	0	1	1	21.81
				1	12	1	1	21.86
				1	24	1	1	21.76
				12	0	2	2	20.78
				12	6	2	2	20.77
				12	11	2	2	20.63
				25	0	2	2	20.64

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
5	26065	1852.5	QPSK	1	0	MPR is disabled when power reduction is enabled		14.87
				1	12			14.87
				1	24			14.78
				12	0			14.83
				12	6			14.83
				12	11			14.71
				25	0			14.71
			16QAM	1	0			15.13
				1	12			15.48
				1	24			15.02
				12	0			14.76
				12	6			14.82
				12	11			14.71
				25	0			14.63
	26365	1882.5	QPSK	1	0			15.15
				1	12			15.35
				1	24			14.76
				12	0			15.12
				12	6			15.27
				12	11			14.77
				25	0			15.26
			16QAM	1	0			14.93
				1	12			15.00
				1	24			14.87
				12	0			14.70
				12	6			14.79
				12	11			15.24
				25	0			15.23
	26665	1912.5	QPSK	1	0			14.76
				1	12			15.34
				1	24			14.91
				12	0			14.75
				12	6			14.82
				12	11			14.72
				25	0			14.82
			16QAM	1	0			14.93
				1	12			15.54
				1	24			15.52
				12	0			15.33
				12	6			15.37
				12	11			15.35
				25	0			15.11

LTE Band 25, 3 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
3	26055	1851.5	QPSK	1	0	0	0	22.56
				1	7	0	0	22.51
				1	14	0	0	22.67
				8	0	1	1	21.57
				8	4	1	1	21.53
				8	7	1	1	21.44
				15	0	1	1	21.50
			16QAM	1	0	1	1	21.73
				1	7	1	1	21.68
				1	14	1	1	21.81
				8	0	2	2	20.56
				8	4	2	2	20.51
				8	7	2	2	20.43
				15	0	2	2	20.54
	26365	1882.5	QPSK	1	0	0	0	22.40
				1	7	0	0	22.53
				1	14	0	0	22.49
				8	0	1	1	21.50
				8	4	1	1	21.53
				8	7	1	1	21.53
				15	0	1	1	21.58
			16QAM	1	0	1	1	21.72
				1	7	1	1	21.71
				1	14	1	1	21.68
				8	0	2	2	20.38
				8	4	2	2	20.50
				8	7	2	2	20.55
				15	0	2	2	20.44
	26674	1913.4	QPSK	1	0	0	0	22.74
				1	7	0	0	22.69
				1	14	0	0	22.70
				8	0	1	1	21.80
				8	4	1	1	21.72
				8	7	1	1	21.79
				15	0	1	1	21.68
			16QAM	1	0	1	1	22.06
				1	7	1	1	21.97
				1	14	1	1	21.93
				8	0	2	2	20.76
				8	4	2	2	20.63
				8	7	2	2	20.71
				15	0	2	2	20.77

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
3	26055	1851.5	QPSK	1	0	MPR is disabled when power reduction is enabled		15.00
				1	7			15.21
				1	14			14.99
				8	0			14.97
				8	4			14.84
				8	7			14.92
				15	0			14.84
			16QAM	1	0			15.00
				1	7			15.00
				1	14			15.04
				8	0			14.93
				8	4			14.88
				8	7			14.85
				15	0			14.90
	26365	1882.5	QPSK	1	0			14.96
				1	7			14.99
				1	14			14.99
				8	0			14.88
				8	4			14.85
				8	7			14.89
				15	0			14.90
			16QAM	1	0			15.03
				1	7			15.04
				1	14			15.03
				8	0			14.89
				8	4			14.87
				8	7			14.88
				15	0			14.93
	26674	1913.4	QPSK	1	0			15.10
				1	7			15.07
				1	14			15.08
				8	0			15.07
				8	4			15.03
				8	7			15.07
				15	0			14.82
			16QAM	1	0			15.04
				1	7			15.11
				1	14			15.13
				8	0			15.00
				8	4			14.86
				8	7			14.95
				15	0			15.46

LTE Band 25, 1.4 MHz Bandwidth Output Power

Full Power (Proximity Sensor Off)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
1.4	26047	1850.7	QPSK	1	0	0	0	22.45
				1	2	0	0	22.45
				1	5	0	0	22.45
				3	0	0	0	22.51
				3	1	0	0	22.52
				3	3	0	0	22.59
				6	0	1	1	21.61
			16QAM	1	0	1	1	21.10
				1	2	1	1	21.16
				1	5	1	1	21.13
				3	0	1	1	21.61
				3	1	1	1	21.77
				3	3	1	1	21.75
				6	0	2	2	20.81
	26365	1882.5	QPSK	1	0	0	0	22.49
				1	2	0	0	22.59
				1	5	0	0	22.55
				3	0	0	0	22.51
				3	1	0	0	22.49
				3	3	0	0	22.46
				6	0	1	1	21.65
			16QAM	1	0	1	1	21.88
				1	2	1	1	21.75
				1	5	1	1	21.81
				3	0	1	1	21.52
				3	1	1	1	21.54
				3	3	1	1	21.43
				6	0	2	2	20.40
	26682	1914.2	QPSK	1	0	0	0	22.78
				1	2	0	0	22.74
				1	5	0	0	22.73
				3	0	0	0	22.75
				3	1	0	0	22.76
				3	3	0	0	22.71
				6	0	1	1	21.72
			16QAM	1	0	1	1	21.98
				1	2	1	1	22.00
				1	5	1	1	21.91
				3	0	1	1	21.74
				3	1	1	1	21.73
				3	3	1	1	21.64
				6	0	2	2	20.54

Reduced Power (Proximity Sensor On)

BW	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Start	Target MPR	Meas. MPR	Avg Pwr (dBm)
1.4	26047	1850.7	QPSK	1	0	MPR is disabled when power reduction is enabled		14.94
				1	2			14.89
				1	5			14.87
				3	0			14.97
				3	1			15.00
				3	3			14.98
				6	0			15.01
			16QAM	1	0			14.47
				1	2			14.47
				1	5			14.44
				3	0			15.13
				3	1			15.16
				3	3			15.31
				6	0			15.12
	26365	1882.5	QPSK	1	0			15.00
				1	2			15.01
				1	5			15.00
				3	0			14.92
				3	1			14.93
				3	3			14.86
				6	0			15.02
			16QAM	1	0			15.01
				1	2			15.06
				1	5			14.98
				3	0			14.85
				3	1			14.81
				3	3			14.79
				6	0			14.68
	26682	1914.2	QPSK	1	0			15.36
				1	2			15.50
				1	5			15.53
				3	0			14.96
				3	1			15.00
				3	3			14.88
				6	0			14.99
			16QAM	1	0			15.14
				1	2			15.15
				1	5			15.06
				3	0			15.00
				3	1			15.00
				3	3			14.96
				6	0			14.77