

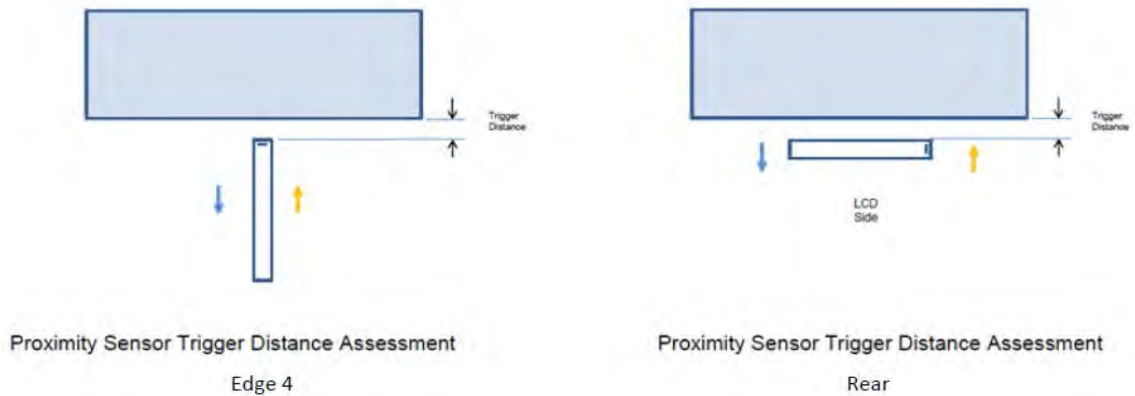
Appendix F Proximity Sensor Verification

The general

We confirmed the sensor trigger distance of FZ-G2

Proximity Sensor Triggering distance from KDB 616217 Section 6.2

Edge4 of the DUT was placed directly below the flat phantom. The DUT was moved toward the phantom in accordance with the steps outlined in KDB 616217 Section 6.2 to determine the trigger distance for enabling power reduction. The DUT was moved away from the phantom to determine the trigger distance for resuming full power. The measurement was then repeated for the Rear surface.



Tissue simulating liquid	Trigge distance - Edge2		Trigge distance - Edge4		Trigger distance - Rear		Trigger distance - Rear Tilt (Edge2 Side)		Trigger distance - Rear Tilt (Edge4 Side)	
	Moving toward phantom	Moving from phantom	Moving toward phantom	Moving from phantom	Moving toward phantom	Moving from phantom	Moving toward phantom	Moving from phantom	Moving toward phantom	Moving from phantom
Head Tissue Simulating Liquid	16 mm	16 mm	20 mm	20 mm	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm

Unit : mm

【Test distance】

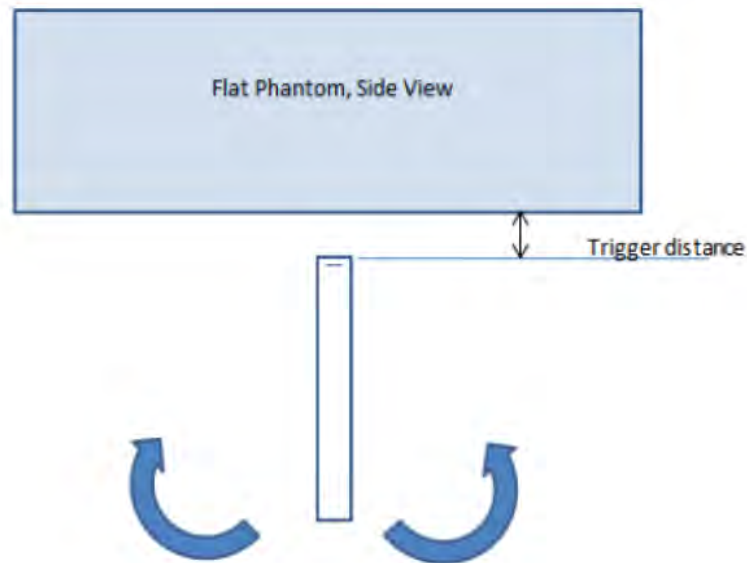
- Edge 2 : 15 mm
- Edge 4 : 19 mm
- Rear : 9 mm
- Rear Tilt (Edge2 Side) : 9 mm
- Rear Tilt (Edge4 Side) : 9 mm

Proximity Sensor Coverage from KDB 616217 Section 6.3

As there is no spatial offset between the antenna and the proximity sensor element, except on the display side of the antenna, proximity sensor coverage did not need to be assessed.

Proximity Sensor Tilt Angle from KDB 616217 Section 6.4

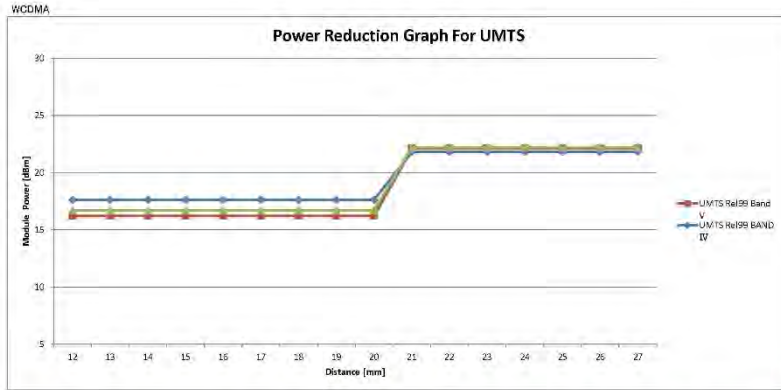
The DUT was positioned directly below the flat phantom at the minimum measured trigger distance with edge 4 parallel to the base of the flat phantom. The DUT was rotated in both directions about edge 4. The proximity sensor remained triggered with the DUT positioned at the minimum measured trigger distance from the phantom for all angles up to 45°



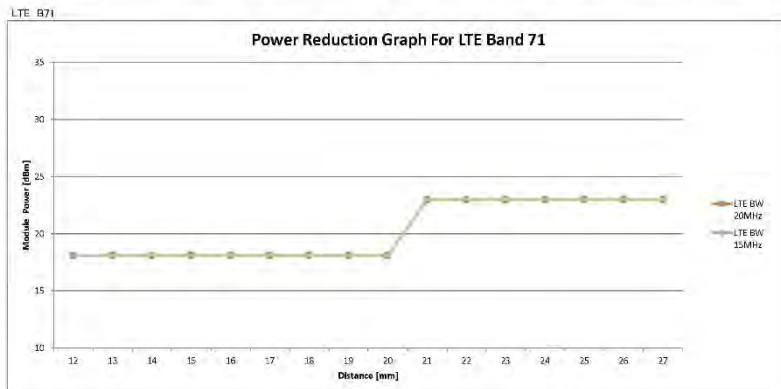
Verification Equipment list

Model	Manufacturer
BLAPV1 - Block LAP Phantom V1	Schmid & Partner Engineering
Two-Axis/Four-Axis Stage Controller(SHOT-204MS)	SIGMA KOKI Co.,Ltd

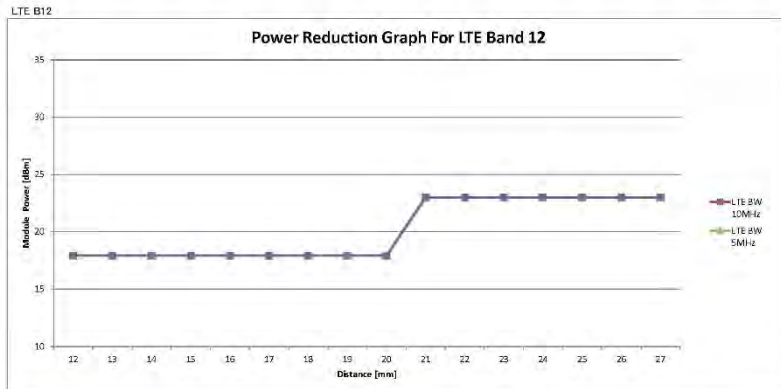
Product moving from the phantom [Edge 4]



Distance	Coverage Step UMTS															
	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
DPR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
UMTS Rel99 Band V	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	22.1	22.1	22.1	22.1	22.1	22.1	22.1
UMTS Rel99 BAND IV	17.8	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	21.8	21.8	21.8	21.8	21.8	21.8	21.8
UMTS Rel99 BAND II	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	22.2	22.2	22.2	22.2	22.2	22.2	22.2

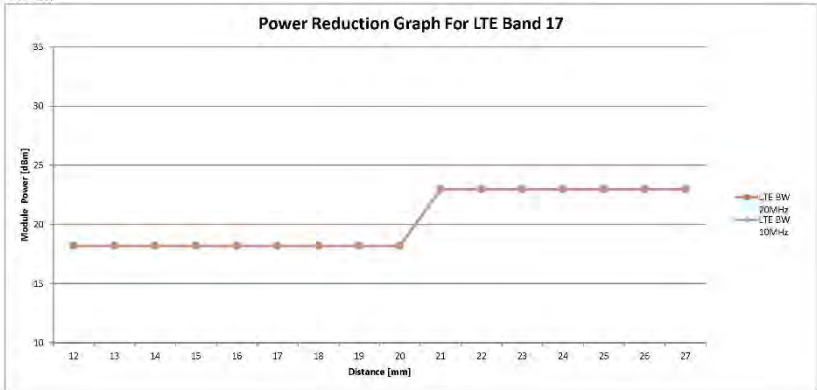


Distance	Coverage Step LTE Band 71															
	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
DPR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 20MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23
LTE BW 15MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23
LTE BW 10MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23
LTE BW 5MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23



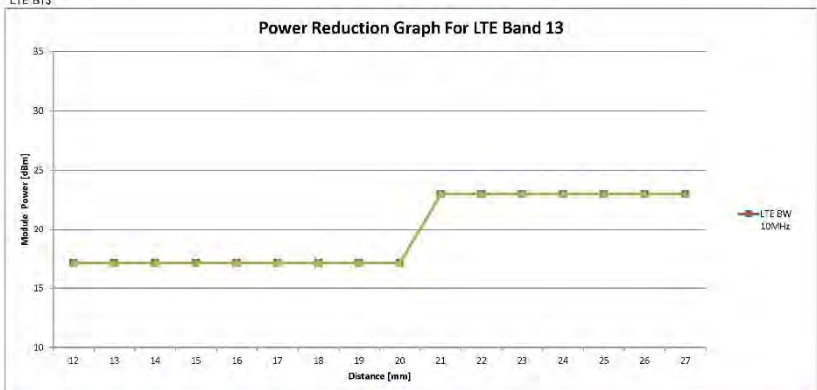
Distance	Coverage Step LTE Band 12															
	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
DPR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 10MHz	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23	23	23	23	23	23	23
LTE BW 5MHz	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23	23	23	23	23	23	23
LTE BW 3MHz	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23	23	23	23	23	23	23
LTE BW 1.4MHz	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23	23	23	23	23	23	23

LTE B17



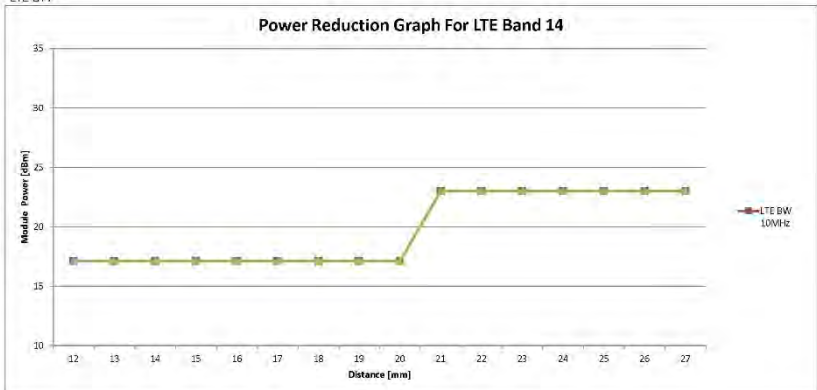
	Coverage Step LTE Band 17															
Distance	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
DPR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 20MHz	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	23	23	23	23	23	23	23
LTE BW 10MHz	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	23	23	23	23	23	23	23
LTE BW 5MHz	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	23	23	23	23	23	23	23

LTE B13



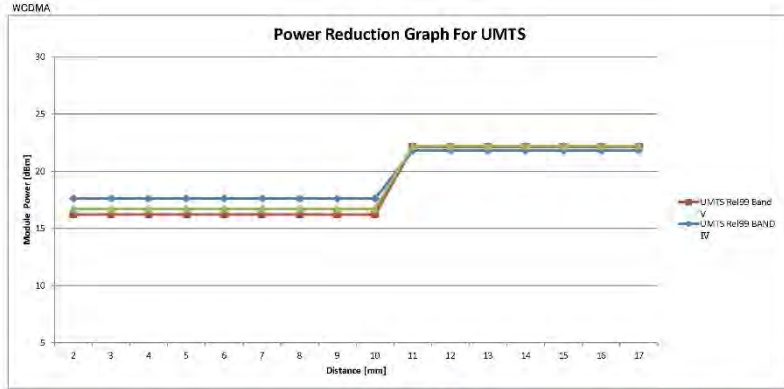
	Coverage Step LTE Band 13															
Distance	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
DPR	ON	ON	ON	ON	DN	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 10MHz	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23
LTE BW 5MHz	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23

LTE B14

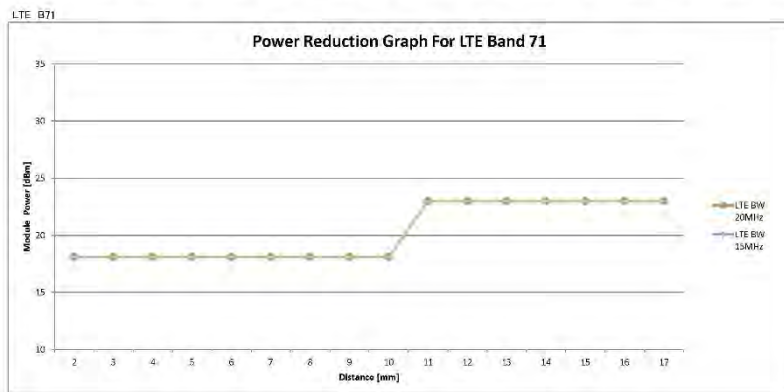


	Coverage Step LTE Band 14															
Distance	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
DPR	ON	ON	ON	ON	DN	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 10MHz	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23
LTE BW 5MHz	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23

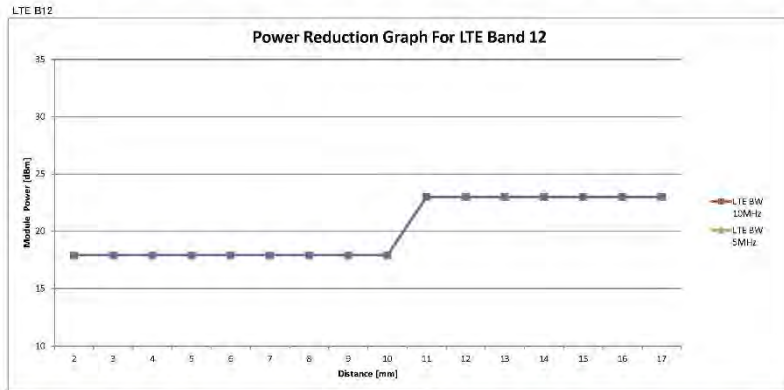
Product moving from the phantom [Rear/Rear Tilt Edge 4 side/Rear Tile Edge 2 side]



Coverage Step UMTS																
Distance	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
UMTS Rel99 Band V	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
UMTS Rel99 BAND II	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	22.1	22.1	22.1	22.1	22.1	22.1	22.1
UMTS Rel99 BAND II	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
UMTS Rel99 BAND II	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	22.2	22.2	22.2	22.2	22.2	22.2	22.2

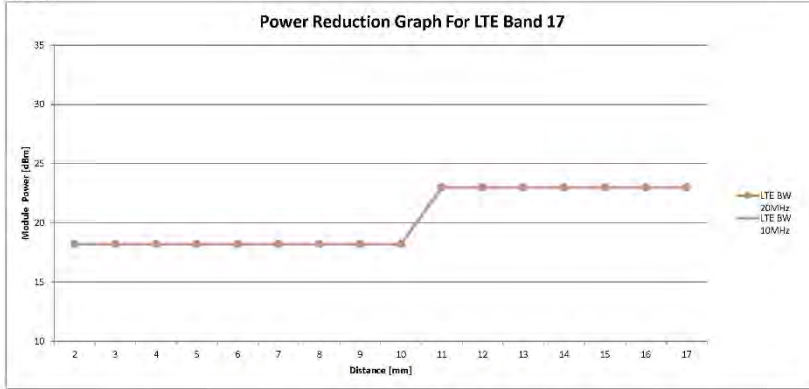


Coverage Step LTE Band 71																
Distance	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
LTE BW 20MHz	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 15MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23
LTE BW 10MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23
LTE BW 5MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23



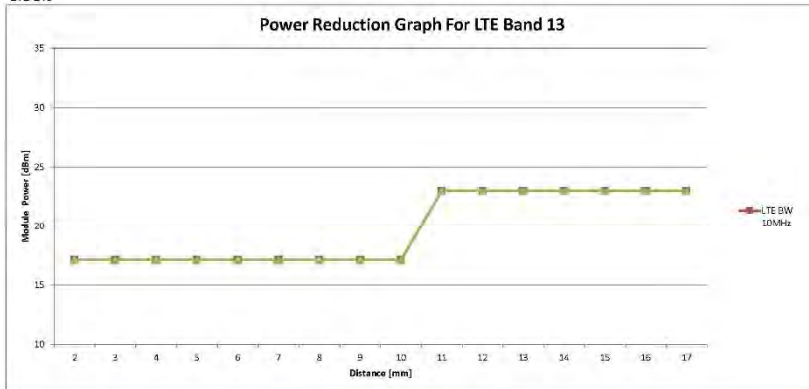
Coverage Step LTE Band 12																
Distance	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
LTE BW 10MHz	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 5MHz	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23	23	23	23	23	23	23
LTE BW 3MHz	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23	23	23	23	23	23	23
LTE BW 1.4MHz	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23	23	23	23	23	23	23

LTE B17



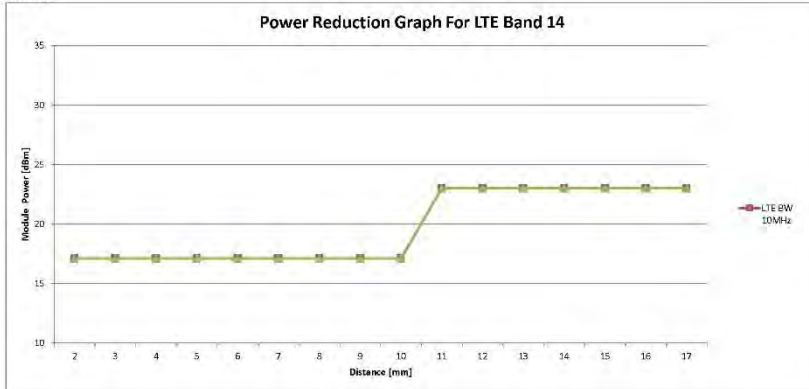
Coverage Step LTE Band 17																
Distance	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DPDR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 20MHz	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	23	23	23	23	23	23	23
LTE BW 10MHz	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	23	23	23	23	23	23	23
LTE BW 5MHz	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	23	23	23	23	23	23	23

LTE B13



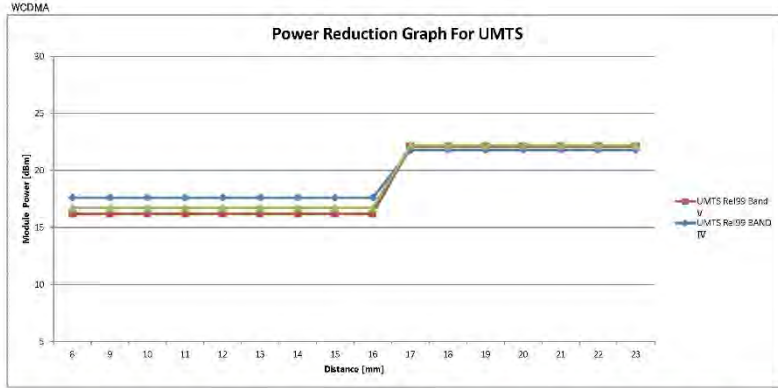
Coverage Step LTE Band 13																
Distance	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DPDR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 10MHz	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23
LTE BW 5MHz	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23

LTE B14

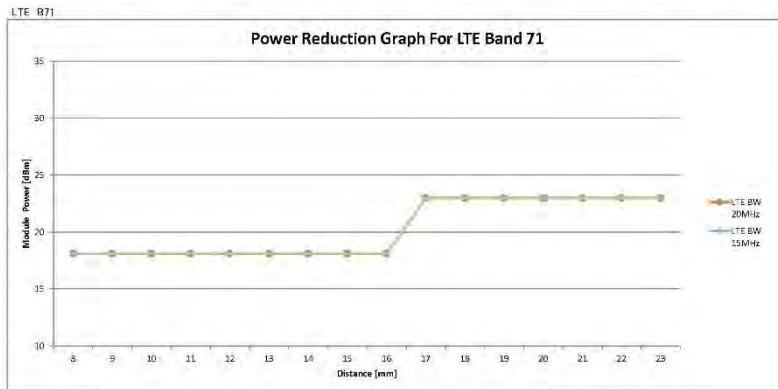


Coverage Step LTE Band 14																
Distance	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DPDR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 10MHz	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23
LTE BW 5MHz	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23

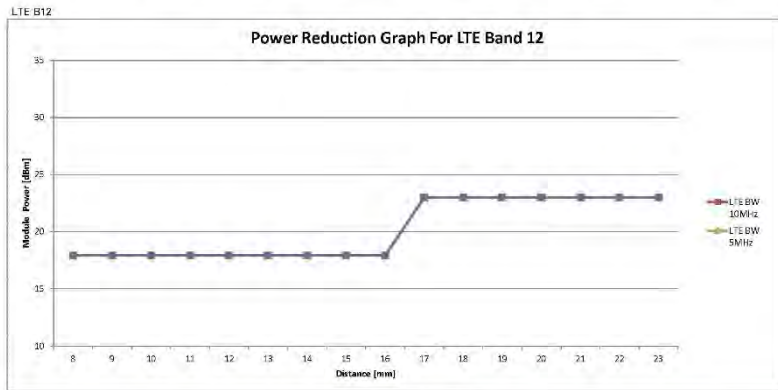
Product moving from the phantom [Edge 2]



Distance	Coverage Step UMTS															
	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
UMTS Rel99 Band V	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
UMTS Rel99 BAND IV	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	22.1	22.1	22.1	22.1	22.1	22.1	22.1
UMTS Rel99 BAND II	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	22.2	22.2	22.2	22.2	22.2	22.2	22.2

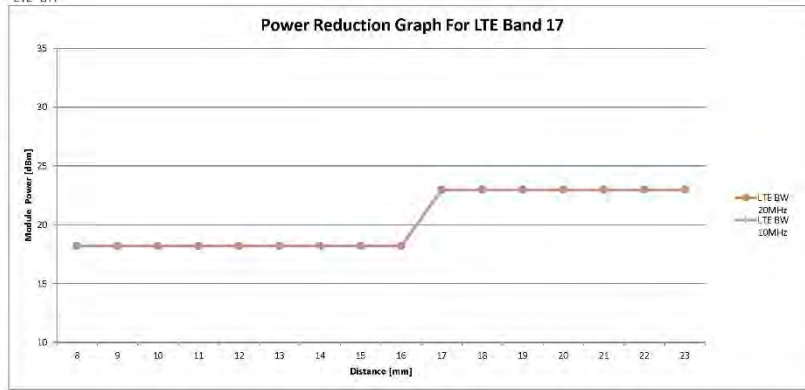


Distance	Coverage Step LTE Band 71															
	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DPDR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 20MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23
LTE BW 15MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23
LTE BW 10MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23
LTE BW 5MHz	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	23	23	23	23	23	23	23



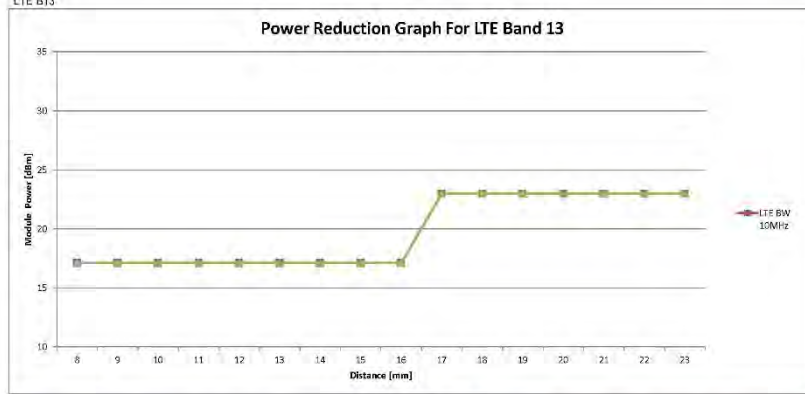
Distance	Coverage Step LTE Band 12															
	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DPDR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LTE BW 10MHz	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23	23	23	23	23	23	23
LTE BW 5MHz	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23	23	23	23	23	23	23
LTE BW 3MHz	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	23	23	23	23	23	23	23
LTE BW 1.4MHz	17.8	17.8	17.9	17.9	17.9	17.8	17.8	17.8	17.8	23	23	23	23	23	23	23

LTE B17



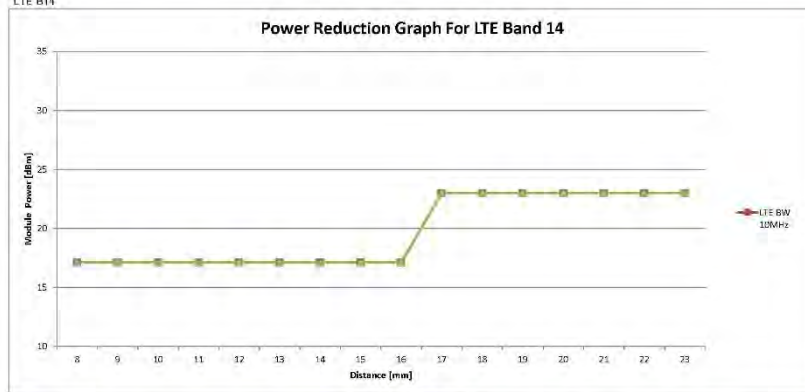
		Coverage Step LTE Band 17																					
Distance		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23						
OPR		ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF						
LTE BW 20MHz		18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	23	23	23	23	23	23	23						
LTE BW 10MHz		18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	23	23	23	23	23	23	23						
LTE BW 5MHz		18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	23	23	23	23	23	23	23						

LTE B13



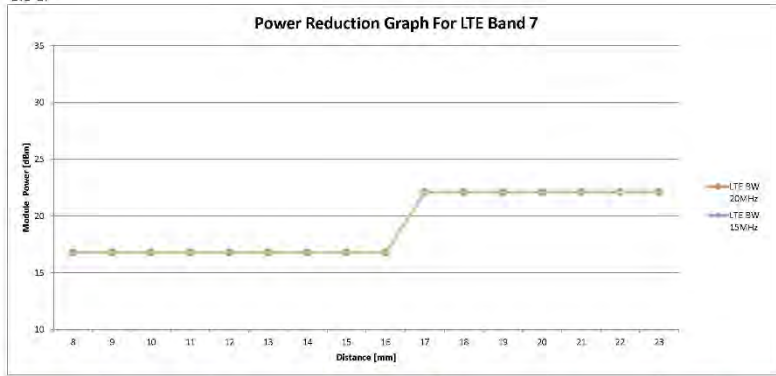
		Coverage Step LTE Band 13																					
Distance		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23						
OPR		ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF						
LTE BW 10MHz		17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23						
LTE BW 5MHz		17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23						

LTE B14



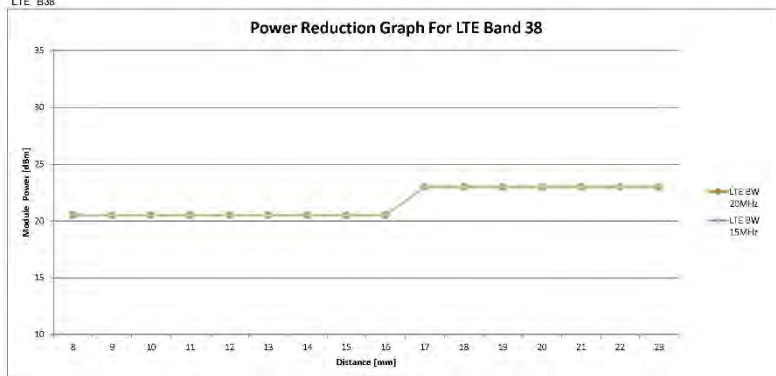
		Coverage Step LTE Band 14																					
Distance		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23						
OPR		ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF						
LTE BW 10MHz		17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23						
LTE BW 5MHz		17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	23	23	23	23	23	23	23						

LTE B7



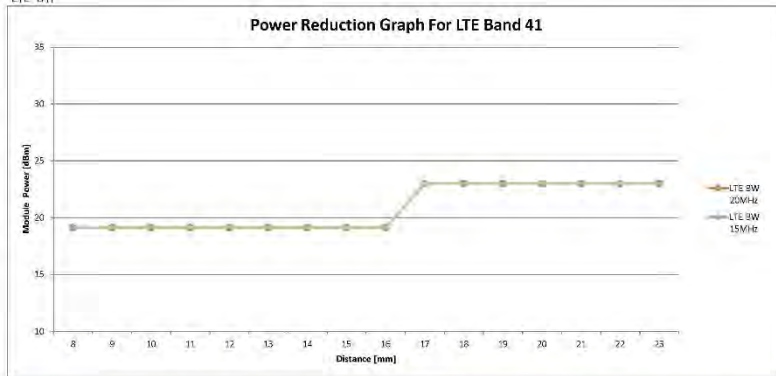
		Coverage Step LTE Band 7																			
Distance		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
DPR		ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF				
LTE BW 20MHz		16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1				
LTE BW 15MHz		16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1				
LTE BW 10MHz		16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1				
LTE BW 5MHz		16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	22.1	22.1	22.1	22.1	22.1	22.1	22.1				

LTE B38

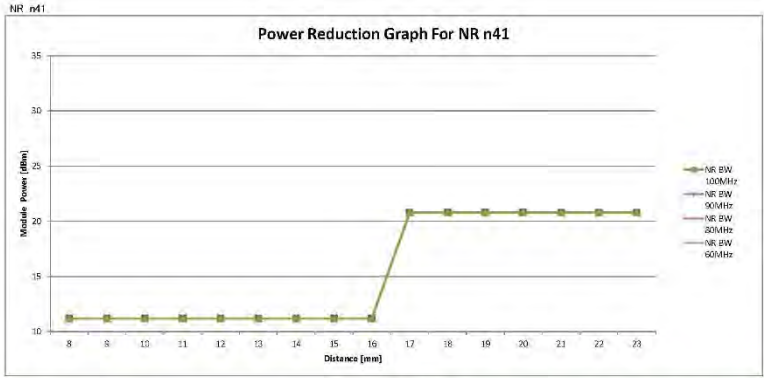


		Coverage Step LTE Band 38																			
Distance		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
DPR		ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF				
LTE BW 20MHz		20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	23	23	23	23	23	23	23				
LTE BW 15MHz		20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	23	23	23	23	23	23	23				
LTE BW 10MHz		20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	23	23	23	23	23	23	23				
LTE BW 5MHz		20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	23	23	23	23	23	23	23				

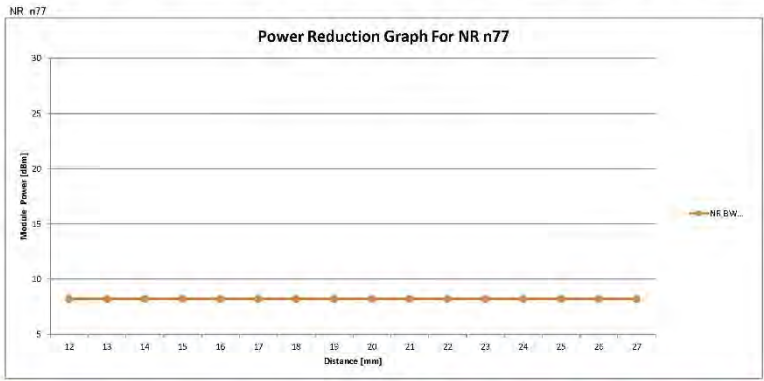
LTE B41



		Coverage Step LTE Band 41																			
Distance		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
DPR		ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF				
LTE BW 20MHz		19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23	23	23	23	23	23	23				
LTE BW 15MHz		19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23	23	23	23	23	23	23				
LTE BW 10MHz		19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23	23	23	23	23	23	23				
LTE BW 5MHz		19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	23	23	23	23	23	23	23				



Coverage Step NR n41																							
Distance	0	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23							
DPR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF							
NR BW 100MHz	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	20.8	20.8	20.8	20.8	20.8	20.8	20.8							
NR BW 90MHz	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	20.8	20.8	20.8	20.8	20.8	20.8	20.8							
NR BW 80MHz	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	20.8	20.8	20.8	20.8	20.8	20.8	20.8							
NR BW 60MHz	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	20.8	20.8	20.8	20.8	20.8	20.8	20.8							
NR BW 30MHz	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	20.8	20.8	20.8	20.8	20.8	20.8	20.8							
NR BW 40MHz	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	20.8	20.8	20.8	20.8	20.8	20.8	20.8							
NR BW 20MHz	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	20.8	20.8	20.8	20.8	20.8	20.8	20.8							



Coverage Step NR n77																							
Distance	0	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23							
DPR	ON	ON	ON	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF							
NR BW 100MHz	8	8	8	8	8	8	8	8	8	19.1	19.1	19.1	19.1	19.1	19.1	19.1							

End of Appendixes