





































Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.72	2.73	4.48	4.49	8.99	9.01	13.49	13.49	18.38	18.5
Middle CH	1.09	1.1	2.73	2.73	4.5	4.5	9.01	9.01	13.37	13.46	18.54	18.62
Highest CH	1.09	1.1	2.71	2.73	4.52	4.49	9.07	8.99	13.43	13.37	18.38	18.34

Mode	LTE Band 4 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.70	2.72	4.47	4.49	9.03	9.01	13.46	13.43	18.54	18.54
Middle CH	1.09	1.09	2.72	2.72	4.49	4.48	9.03	9.05	13.37	13.46	18.26	18.42
Highest CH	1.10	1.09	2.73	2.72	4.49	4.49	9.01	8.95	13.46	13.55	18.26	18.46

Mode	LTE Band 5 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	1.10	1.10	2.72	2.73	4.52	4.49	9.01	9.03				
Middle CH	1.09	1.09	2.72	2.70	4.52	4.50	9.07	9.01				
Highest CH	1.09	1.09	2.75	2.71	4.49	4.50	9.07	9.03				



Mode	LTE Band 7 : 99%OBW(MHz)										
BW	5MHz		10MHz		15MHz		20MHz				
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM			
Lowest CH	4.5	4.5	9.05	9.03	13.37	13.49	18.5	18.38			
Middle CH	4.51	4.47	9.07	9.01	13.43	13.43	18.34	18.34			
Highest CH	4.49	4.49	9.05	8.97	13.37	13.4	18.38	18.3			

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	1.1	1.1	2.73	2.72	4.49	4.5	9.07	9.07				
Middle CH	1.1	1.1	2.72	2.72	4.51	4.5	8.99	8.97				
Highest CH	1.09	1.1	2.72	2.74	4.49	4.51	8.97	9.03				

Mode	LTE Band 13 : 99%OBW(MHz)										
BW	5MHz		10MHz								
Mod.	QPSK	16QAM	QPSK	16QAM							
Lowest CH	4.5	4.5	-	-							
Middle CH	4.47	4.51	8.99	9.01							
Highest CH	4.5	4.49	-	-							



Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.73	4.5	4.5	9.11	8.99	13.52	13.49	18.38	18.54
Middle CH	1.09	1.09	2.72	2.72	4.5	4.49	9.05	8.95	13.34	13.46	18.3	18.34
Highest CH	1.1	1.09	2.72	2.72	4.49	4.49	9.05	9.07	13.46	13.43	18.26	18.34

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.71	2.71	4.51	4.49	9.03	9.05	13.46	13.43	13.43	13.43
Middle CH	1.10	1.10	2.73	2.74	4.49	4.49	9.05	8.95	13.40	13.43	-	-
Highest CH	1.09	1.09	2.70	2.73	4.53	4.48	9.07	9.03	13.46	13.46	-	-

Mode	LTE Band 38 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.49	4.49	9.05	9.01	13.46	13.52	18.38	18.38				
Middle CH	4.49	4.5	8.95	9.07	13.43	13.4	18.34	18.3				
Highest CH	4.5	4.49	9.07	9.07	13.55	13.49	18.38	18.22				

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.49	4.45	9.03	9.01	13.43	13.46	18.38	18.14				
Middle CH	4.49	4.46	9.03	9.07	13.40	13.49	18.42	18.1				
Highest CH	4.54	4.49	9.03	8.99	13.43	13.43	18.06	18.38				

Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.1	2.73	2.72	4.53	4.49	9.03	8.97	13.43	13.43	18.46	18.34
Middle CH	1.1	1.1	2.72	2.72	4.5	4.5	9.03	9.01	13.37	13.43	18.3	18.46
Highest CH	1.1	1.1	2.72	2.72	4.49	4.48	9.07	8.99	13.43	13.4	18.26	18.38









