







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	1.1	1.1	2.72	2.72	4.5	4.47	9.07	8.99	13.49	13.49	18.38	18.58
Middle CH	1.09	1.09	2.73	2.73	4.49	4.5	9.01	9.07	13.43	13.52	18.26	18.58
Highest CH	1.08	1.09	2.73	2.7	4.5	4.49	9.05	9.07	13.46	13.52	18.46	18.38

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	1.1	1.09	2.72	2.73	4.53	4.51	9.03	9.03	13.4	13.49	18.34	18.3
Middle CH	1.09	1.09	2.71	2.71	4.52	4.51	9.01	9.03	13.4	13.43	18.42	18.38
Highest CH	1.09	1.09	2.72	2.74	4.51	4.49	9.03	9.01	13.43	13.52	18.42	18.26

Mode	LTE Band 5 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	1.1	1.09	2.73	2.72	4.52	4.5	9.05	9.01				
Middle CH	1.1	1.09	2.73	2.71	4.51	4.51	9.09	9.05				
Highest CH	1.09	1.09	2.73	2.73	4.5	4.49	9.03	8.97				

Mode	LTE Band 7 : 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					4.51	4.51	8.99	8.97	13.49	13.46	18.34	18.3
Middle CH					4.5	4.5	9.01	8.99	13.49	13.49	18.26	18.46
Highest CH					4.52	4.5	9.03	9.05	13.46	13.37	18.34	18.26

Mode	LTE Band 12 : 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	1.08	1.09	2.72	2.72	4.49	4.49	8.97	9.01	-	-	-	-
Middle CH	1.09	1.09	2.73	2.7	4.49	4.51	9.05	9.03	-	-	-	-
Highest CH	1.1	1.09	2.72	2.73	4.5	4.52	8.99	9.05	-	-	-	-



Mode	LTE Band 13 : 99%OBW(MHz)									
BW	5MHz		10MHz							
Mod.	QPSK	16QAM	QPSK	16QAM						
Lowest CH	4.49	4.51								
Middle CH	4.49	4.5	9.09	8.93						
Highest CH	4.48	4.5								

Mode	LTE Band 17 : 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	-	-	-	-	4.51	4.49	9.05	9.05	-	-	-	-
Middle CH	-	-	-	-	4.52	4.49	9.03	9.03	-	-	-	-
Highest CH	-	-	-	-	4.5	4.49	9.03	9.01	-	-	-	-









































