









## 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	1.08	2.73	2.73	4.49	4.49	8.95	8.97	13.49	13.34	18.06	18.38
Middle CH	1.08	1.09	2.73	2.71	4.48	4.48	9.07	8.95	13.43	13.43	18.26	18.46
Highest CH	1.09	1.09	2.73	2.73	4.49	4.49	9.05	9.03	13.43	13.46	18.58	18.5

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	2.73	2.72	4.51	4.48	9.03	9.01	13.46	13.4	18.1	18.18
Middle CH	1.09	1.1	2.71	2.72	4.48	4.51	8.99	9.05	13.4	13.46	18.3	18.38
Highest CH	1.09	1.09	2.71	2.74	4.52	4.52	9.03	9.05	13.49	13.4	18.46	18.5

Mode	LTE Band 5 : 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	2.72	4.51	4.47	9.11	8.99	-	-	-	-
Middle CH	1.09	1.09	2.72	2.72	4.52	4.48	9.03	9.03	-	-	-	-
Highest CH	1.09	1.09	2.73	2.71	4.5	4.5	9.11	8.99	-	-	-	-

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	4.48	9.09	8.99	13.46	13.46	18.38	18.5
Middle CH	-	-	-	-	4.48	4.49	8.99	9.03	13.52	13.46	18.46	18.34
Highest CH	-	-	-	-	4.47	4.5	9.03	9.01	13.46	13.43	18.54	18.5

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	1.09	1.09	2.72	2.7	4.48	4.49	8.99	8.95	-	-	-	-
Middle CH	1.09	1.1	2.73	2.72	4.49	4.5	9.03	8.99	-	-	-	-
Highest CH	1.09	1.09	2.73	2.74	4.5	4.5	9.05	9.09	-	-	-	-



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	-	-	-	-	4.5	4.47	9.03	9.05	-	-	-	-
Middle CH	-	-	-	-	4.5	4.51	8.99	9.07	-	-	-	-
Highest CH	-	-	-	-	4.48	4.51	9.09	9.01	-	-	-	-

Mode	LTE Band 38 : 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	-	-	-	-	4.49	4.51	9.07	8.95	13.4	13.43	18.42	18.3
Middle CH	-	-	-	-	4.48	4.49	8.97	9.01	13.4	13.52	18.46	18.38
Highest CH	-	-	-	-	4.51	4.96	9.01	8.99	13.43	13.37	18.38	18.54



























