







26dB Bandwidth

Mode	LTE Band 2 : 26dB BW(MHz)													
	BW		1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.225	1.236	3.021	2.985	4.925	4.925	9.97	9.67	14.416	14.326	20.3	20.18		
Middle CH	1.228	1.234	3.027	3.015	4.985	4.935	9.71	9.91	14.386	14.296	20.46	20.26		
Highest CH	1.236	1.234	3.009	3.027	4.885	4.895	9.87	9.81	14.356	14.505	20.42	20.34		
Mode	LTE Band 2 : 26dB BW(MHz)													
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz			
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM			
Lowest CH	1.234		3.057		4.875		9.69		14.266		20.22			
Middle CH	1.234		3.021		4.935		9.73		14.326		20.34			
Highest CH	1.236		3.051		4.865		9.83		14.416		20.30			

Mode	LTE Band 4 : 26dB BW(MHz)													
	BW		1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.25	1.239	3.027	3.051	4.935	4.915	9.87	9.67	14.595	14.595	20.22	20.539		
Middle CH	1.225	1.231	3.033	3.027	4.965	4.865	9.95	9.79	14.266	14.416	20.22	20.06		
Highest CH	1.225	1.245	3.021	2.973	4.855	4.865	9.91	9.79	14.386	14.206	20.34	20.06		
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM			
Lowest CH	1.231		3.057		4.915		9.81		14.176		20.42			
Middle CH	1.231		2.911		4.945		9.71		14.176		20.06			
Highest CH	1.231		3.009		4.905		9.85		14.206		20.18			

Mode	LTE Band 5 : 26dB BW(MHz)													
	BW		1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.231	1.217	3.045	3.045	4.915	4.905	9.79	9.73	-	-	-	-		
Middle CH	1.214	1.222	3.027	3.033	4.925	4.925	9.89	9.75	-	-	-	-		
Highest CH	1.245	1.225	3.039	3.033	4.915	4.825	9.81	9.73	-	-	-	-		
BW	1.4MHz		3MHz		5MHz		10MHz		-		-			
Mod.	64QAM		64QAM		64QAM		64QAM		-		-			
Lowest CH	1.242		3.039		4.895		9.85		-		-			
Middle CH	1.231		3.021		4.845		9.83		-		-			
Highest CH	1.234		2.991		4.935		9.91		-		-			



Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.875	4.945	9.81	9.79	14.446	14.476	20.38	20.22
Middle CH	-	-	-	-	4.895	4.935	9.85	9.77	14.326	14.356	20.3	20.18
Highest CH	-	-	-	-	4.935	4.915	9.79	9.85	14.476	14.565	20.3	20.34
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-		-		4.955		9.85		14.326		20.3	
Middle CH	-		-		4.895		9.97		14.326		20.22	
Highest CH	-		-		4.915		9.81		14.296		20.26	

Mode	LTE Band 12 : 26dB BW(MHz)															
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	1.242	1.236	3.051	2.985	4.955	4.885	9.89	9.83	-	-	-	-				
Middle CH	1.239	1.228	2.991	3.009	4.925	4.855	9.75	9.67	-	-	-	-				
Highest CH	1.231	1.228	3.057	3.033	4.855	4.945	10.01	9.87	-	-	-	-				
BW	1.4MHz		3MHz		5MHz		10MHz									
Mod.	64QAM		64QAM		64QAM		64QAM									
Lowest CH	1.239		3.021		4.855		9.75									
Middle CH	1.236		3.087		4.865		9.93									
Highest CH	1.233		3.045		4.895		9.71									

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.955	4.845	-	-	-	-	-	-
Middle CH	-	-	-	-	4.845	4.935	9.75	9.63	-	-	-	-
Highest CH	-	-	-	-	4.935	4.955	-	-	-	-	-	-
BW	5MHz						10MHz					
Mod.	64QAM						64QAM					
Lowest CH	4.875						-					
Middle CH	4.905						9.69					
Highest CH	4.935						-					



Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.22	1.228	3.027	2.997	4.955	4.875	9.71	9.87	14.266	14.326	20.22	20.22
Middle CH	1.22	1.222	2.985	2.991	4.895	4.975	9.69	9.65	14.236	14.296	20.3	20.22
Highest CH	1.22	1.222	3.069	3.045	4.905	4.855	9.97	9.75	14.296	14.326	20.3	20.3
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.228		3.033		4.945		9.65		14.386		20.3	
Middle CH	1.225		2.997		4.885		9.81		14.476		20.38	
Highest CH	1.236		3.027		4.885		9.61		14.446		20.3	

Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.231	1.228	3.009	3.027	4.905	4.835	9.79	9.85	14.535	14.296	14.296	14.206
Middle CH	1.22	1.208	3.021	3.021	4.915	4.895	9.79	9.71	14.476	14.296	-	-
Highest CH	1.22	1.222	2.997	2.991	4.875	4.845	9.75	9.81	14.326	14.386	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.234		3.039		4.765		9.75		14.116		14.535	
Middle CH	1.225		3.021		4.925		9.83		14.296		-	
Highest CH	1.250		3.033		4.925		9.85		14.446		-	

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz		5MHz	10MHz	15MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.945	4.855	9.63	9.81	14.266	14.236	20.1	20.34	4.745	9.61	14.236	20.26
Middle CH	4.885	4.865	9.77	9.63	14.146	14.446	20.14	19.98	4.805	9.73	14.296	20.1
Highest CH	4.865	4.765	9.69	9.69	14.326	14.146	20.1	20.02	4.785	9.71	14.236	20.34



Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.242	1.228	3.009	3.069	4.925	4.915	9.83	9.93	14.416	14.356	20.34	20.3
Middle CH	1.242	1.228	3.141	3.027	4.965	4.915	9.69	9.89	14.535	14.356	20.38	20.14
Highest CH	1.228	1.239	2.973	3.003	4.805	4.945	9.73	9.87	14.505	14.356	20.26	20.26
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.228		2.985		4.885		9.75		14.296		20.26	
Middle CH	1.239		3.033		4.895		9.75		14.236		20.34	
Highest CH	1.245		3.033		4.845		9.79		14.446		20.3	



For CA

Mode	LTE Band 41 : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	25.025	25.325	30.03	25.425	30.629
Middle CH	24.975	25.425	29.97	25.524	30.809
Highest CH	25.075	25.375	29.91	25.475	30.689
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	35.035	25.325	30.03	35.035	39.96
Middle CH	34.965	25.225	30.09	35.035	39.88
Highest CH	34.965	25.275	30.21	35.035	40.04

Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.925	25.225	29.85	25.275	30.569
Middle CH	24.875	25.225	30.03	25.475	30.629
Highest CH	24.875	25.225	29.91	25.325	30.629
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.755	25.025	30.15	35.035	39.96
Middle CH	34.755	25.175	30.09	34.825	39.88
Highest CH	34.965	25.075	30.21	35.105	39.88

Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.875	25.275	29.85	25.325	30.569
Middle CH	25.025	25.275	29.91	25.325	30.569
Highest CH	24.975	25.075	29.91	25.325	30.509
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.825	24.975	29.97	34.895	39.72
Middle CH	34.895	25.075	30.09	35.035	40.04
Highest CH	34.825	25.075	30.03	35.035	39.96



































