















**26dB Bandwidth**

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
Lowest CH	1.225	1.22	3.033	3.021	4.895	4.885	9.71	9.85	14.266	14.416	20.42	20.06
Middle CH	1.231	1.222	3.033	3.021	4.935	4.855	10.01	9.81	14.416	14.386	20.46	20.22
Highest CH	1.225	1.225	3.045	2.991	4.935	4.905	9.69	9.75	14.326	14.326	20.18	20.14
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.214		2.961		4.895		9.77		14.296		20.22	
Middle CH	1.239		3.003		4.895		9.73		14.326		20.659	
Highest CH	1.2		3.033		4.905		9.79		14.595		20.34	

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	-	-	-	-	4.955	4.765	9.73	9.73	14.326	14.296	20.18	20.06
Middle CH	-	-	-	-	4.895	4.895	9.77	9.79	14.505	14.476	20.10	20.18
Highest CH	-	-	-	-	4.915	4.875	9.71	9.83	14.296	14.266	20.10	20.02
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	64QAM		64QAM		64QAM		64QAM					
Lowest CH	4.875		9.97		14.595		20.42					
Middle CH	4.945		9.85		14.296		20.10					
Highest CH	4.895		9.75		14.146		20.18					

Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		1.4MHz	3MHz	5MHz	10MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.23	1.23	3.01	3.04	4.93	4.90	9.75	9.73	1.23	3.00	4.85	9.79
Middle CH	1.22	1.22	3.03	3.02	4.90	4.86	9.79	9.81	1.24	3.02	4.81	9.87
Highest CH	1.23	1.22	3.00	3.03	4.93	4.90	9.71	9.75	1.23	3.03	4.93	9.83



Mode	LTE Band 13 : 26dB BW(MHz)											
BW	5MHz		10MHz		5MHz	10MHz						
Mod.	QPSK	16QAM	QPSK	16QAM	64QAM	64QAM						
Lowest CH	4.82	4.86	-	-	4.92	-						
Middle CH	4.85	4.81	9.69	9.67	4.83	9.67						
Highest CH	4.88	4.96	-	-	4.92	-						

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	1.23	1.23	3.01	3.05	4.92	4.91	9.73	9.71	14.36	14.24	20.22	20.14
Middle CH	1.22	1.23	3.00	3.02	4.93	4.89	9.99	9.77	14.51	14.51	20.22	20.26
Highest CH	1.23	1.23	3.02	3.06	4.93	4.83	9.73	9.71	14.24	14.51	20.34	20.14
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.24	2.99	4.88	9.77	14.15	20.02						
Middle CH	1.23	3.01	4.92	9.65	14.57	20.18						
Highest CH	1.22	2.98	4.90	9.75	14.15	20.34						

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	1.225	3.039	3.033	4.915	4.915	9.87	9.59	14.176	14.386	14.446	14.386
Middle CH	1.234	1.228	3.039	2.967	4.945	4.865	9.65	9.77	14.565	14.326	-	-
Highest CH	1.222	1.222	3.051	3.045	4.905	4.935	9.71	9.75	14.266	14.476	-	-
BW	1.4MHz	3MHz	5MHz	10MHz	15MHz	CH26765						
Mod.	64QAM	64QAM	64QAM	64QAM	64QAM	64QAM						
Lowest CH	1.228	3.033	4.885	9.73	14.176	14.565						
Middle CH	1.222	3.003	4.905	9.71	14.476	-						
Highest CH	1.234	3.021	4.885	9.77	14.176	-						

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	4.75	4.87	9.75	9.73	14.33	14.18	20.14	20.30	4.83	9.77	14.30	20.22
Middle CH	4.88	4.82	9.65	9.73	14.45	14.33	20.14	20.18	4.86	9.79	14.36	20.06
Highest CH	4.95	4.82	9.73	9.67	14.42	14.27	20.26	20.10	4.94	9.87	14.18	20.22



For CA

Mode	LTE Band 7 : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.97	-	25.425	30.509
Middle CH	29.97	-	25.475	30.749
Highest CH	30.03	-	25.375	30.569
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.895	30.27	34.825	39.88
Middle CH	34.895	30.15	35.035	39.96
Highest CH	34.965	30.09	35.035	40.04

Mode	LTE Band 7 : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.85	-	25.375	30.45
Middle CH	29.85	-	25.275	30.689
Highest CH	29.85	-	25.225	30.629
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.685	29.85	35.105	39.80
Middle CH	34.965	30.21	35.105	40.04
Highest CH	34.895	30.03	35.035	39.88

Mode	LTE Band 7 : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+5MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	29.85	-	25.325	30.689
Middle CH	29.97	-	25.524	30.689
Highest CH	29.73	-	25.325	30.509
BW	15MHz+20MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.825	30.15	35.035	39.80
Middle CH	34.825	30.03	35.105	39.80
Highest CH	34.825	30.03	34.825	39.88



Mode	LTE Band 41 : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	25.125	25.275	29.97	25.425	30.569
Middle CH	25.025	25.375	30.09	25.475	30.629
Highest CH	25.025	25.275	29.85	25.375	30.569
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.965	25.175	30.15	35.035	39.96
Middle CH	34.965	25.125	30.09	35.035	39.96
Highest CH	34.895	25.125	30.09	35.105	39.96

Mode	LTE Band 41 : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.925	25.375	29.91	25.475	30.45
Middle CH	24.775	25.225	29.97	25.524	30.569
Highest CH	24.875	25.275	29.91	25.275	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.755	25.025	29.97	34.825	39.72
Middle CH	34.825	25.225	30.03	34.895	39.72
Highest CH	34.895	25.125	29.97	35.105	39.64

Mode	LTE Band 41 : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.875	25.325	29.91	25.574	30.629
Middle CH	24.825	25.275	29.85	25.425	30.39
Highest CH	24.925	25.325	29.85	25.175	30.509
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.895	25.075	30.09	34.825	39.8
Middle CH	34.825	24.975	29.79	34.965	39.88
Highest CH	34.895	25.075	29.91	34.895	39.88



























