

LTE Band 2												
BW [MHz]	Modulation	RB Size	RB Offset	Index			Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel												
				L	M	H	18000	18000	18000			
20	QPSK	1	0	0	0	15	21.88	22.13	22.95	23.00	0	
20	QPSK	1	5	0	0	15	21.88	22.95	22.79			
20	QPSK	3	0	0	0	15	21.82	22.28	22.93			
20	QPSK	3	3	0	0	15	21.71	21.89	21.79			
20	QPSK	6	0	0	0	15	21.84	22.05	22.02			
20	QPSK	6	3	0	0	15	21.86	21.99	21.79			
20	QPSK	1	0	0	0	15	21.92	21.95	22.32			
20	QPSK	1	5	0	0	15	21.84	21.92	22.27			
20	QPSK	3	0	0	0	15	21.88	21.94	21.98			
20	QPSK	3	3	0	0	15	21.84	21.91	21.93			
20	QPSK	6	0	0	0	15	21.84	21.91	21.93			
Channel												
				L	M	H	18675	18680	18712	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	0	0	11	21.64	21.94	22.92	23.00	0	
15	QPSK	1	5	0	0	11	21.75	21.96	22.92			
15	QPSK	3	0	0	0	11	21.81	21.95	21.92			
15	QPSK	3	3	0	0	11	21.64	21.85	21.94			
15	QPSK	6	0	0	0	11	21.65	21.95	21.93			
15	QPSK	6	3	0	0	11	21.71	21.87	21.87			
15	QPSK	1	0	0	0	11	21.65	21.95	22.21			
15	QPSK	1	5	0	0	11	21.68	21.98	22.81			
15	QPSK	3	0	0	0	11	21.65	21.95	21.87			
15	QPSK	3	3	0	0	11	21.65	21.84	21.95			
15	QPSK	6	0	0	0	11	21.66	21.94	21.95			
Channel												
				L	M	H	18930	18930	18930	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	0	0	7	21.70	22.04	23.74	23.00	0	
10	QPSK	1	5	0	0	7	21.54	21.92	21.84			
10	QPSK	3	0	0	0	7	21.81	22.02	21.85			
10	QPSK	3	3	0	0	7	21.85	22.01	21.74			
10	QPSK	6	0	0	0	7	21.07	21.41	21.09			
10	QPSK	6	3	0	0	7	21.05	21.10	21.09			
10	QPSK	1	0	0	0	7	21.91	22.10	21.83			
10	QPSK	1	5	0	0	7	21.74	22.09	21.82			
10	QPSK	3	0	0	0	7	21.65	22.03	21.79			
10	QPSK	3	3	0	0	7	21.20	21.63	21.25			
10	QPSK	6	0	0	0	7	21.20	21.63	21.25			
Channel												
				L	M	H	19278	19280	19278	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	0	0	3	21.60	22.00	23.70	23.00	0	
5	QPSK	1	5	0	0	3	21.50	22.02	21.80			
5	QPSK	3	0	0	0	3	21.82	22.05	21.84			
5	QPSK	3	3	0	0	3	21.02	21.55	21.11			
5	QPSK	6	0	0	0	3	20.96	21.50	21.11			
5	QPSK	6	3	0	0	3	21.07	21.52	21.11			
5	QPSK	1	0	0	0	3	21.78	22.10	21.95			
5	QPSK	1	5	0	0	3	21.77	22.10	21.95			
5	QPSK	3	0	0	0	3	21.63	21.97	21.79			
5	QPSK	3	3	0	0	3	20.92	21.46	21.10			
5	QPSK	6	0	0	0	3	20.92	21.03	20.69			
Channel												
				L	M	H	19616	19620	19616	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	0	0	1	21.83	22.26	23.92	23.00	0	
3	QPSK	1	5	0	0	1	21.83	22.10	21.91			
3	QPSK	3	0	0	0	1	21.81	21.95	21.84			
3	QPSK	3	3	0	0	1	21.61	21.35	21.04			
3	QPSK	6	0	0	0	1	20.53	20.95	20.62			
3	QPSK	6	3	0	0	1	20.64	21.37	21.05			
3	QPSK	1	0	0	0	1	20.53	20.98	20.68			
3	QPSK	1	5	0	0	1	20.50	20.97	20.64			
3	QPSK	3	0	0	0	1	20.50	20.95	20.64			
3	QPSK	3	3	0	0	1	20.50	20.95	20.64			
3	QPSK	6	0	0	0	1	20.50	20.95	20.64			
Channel												
				L	M	H	19907	19900	19903	Tune-up limit (dBm)	MPR (dB)	
1.4	QPSK	1	0	0	0	0	21.86	22.28	23.89	23.00	0	
1.4	QPSK	1	5	0	0	0	21.85	22.28	21.83			
1.4	QPSK	3	0	0	0	0	21.02	21.38	21.05			
1.4	QPSK	3	3	0	0	0	20.54	21.38	21.08			
1.4	QPSK	6	0	0	0	0	20.51	20.97	20.65			
1.4	QPSK	6	3	0	0	0	20.50	21.34	21.04			
1.4	QPSK	1	0	0	0	0	21.00	21.34	21.04			
1.4	QPSK	1	5	0	0	0	21.00	21.35	21.02			
1.4	QPSK	3	0	0	0	0	20.96	20.96	20.68			
1.4	QPSK	3	3	0	0	0	20.95	20.96	20.65			
1.4	QPSK	6	0	0	0	0	20.54	21.00	20.67			

LTE Band 4												
BW [MHz]	Modulation	RB Size	RB Offset	Index			Power Low Ch. Freq. 20000	Power Middle Ch. Freq. 20176	Power High Ch. Freq. 20300	Tune-up limit (dBm)	MPR (dB)	
Channel												
				L	M	H						
20	QPSK	1	0	0	0	15	22.00	22.15	22.21	23.50	0	
20	QPSK	1	5	0	0	15	21.77	21.70	21.65			
20	QPSK	3	0	0	0	15	22.02	22.11	21.98			
20	QPSK	3	3	0	0	15	21.75	21.68	21.61			
20	QPSK	6	0	0	0	15	22.02	22.05	21.65			
20	QPSK	6	3	0	0	15	22.03	22.05	22.04			
20	QPSK	1	0	0	0	15	22.07	22.12	22.02			
20	QPSK	1	5	0	0	15	21.95	21.95	21.75			
20	QPSK	3	0	0	0	15	21.87	21.85	21.75			
20	QPSK	3	3	0	0	15	21.85	21.89	21.77			
Channel												
				L	M	H	20000 <th>20176<th>20300<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	20176 <th>20300<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20300 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
15	QPSK	1	0	0	0	11	21.88	21.84	21.65	23.50	0	
15	QPSK	1	5	0	0	11	21.84	21.92	21.65			
15	QPSK	3	0	0	0	11	21.98	21.93	21.78			
15	QPSK	3	3	0	0	11	21.86	21.85	21.67			
15	QPSK	6	0	0	0	11	22.03	22.03	21.87			
15	QPSK	6	3	0	0	11	22.03	22.11	22.04			
15	QPSK	1	0	0	0	11	22.03	22.11	21.73			
15	QPSK	1	5	0	0	11	22.00	22.00	21.92			
15	QPSK	3	0	0	0	11	22.03	21.99	21.83			
15	QPSK	3	3	0	0	11	21.89	21.89	21.65			
Channel												
				L	M	H	20000 <th>20176<th>20300<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	20176 <th>20300<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20300 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
10	QPSK	1	0	0	0	7	21.85	21.92	21.69	23.50	0	
10	QPSK	1	5	0	0	7	21.84	21.92	21.65			
10	QPSK	3	0	0	0	7	21.81	21.81	21.65			
10	QPSK	3	3	0	0	7	21.85	21.87	21.60			
10	QPSK	6	0	0	0	7	21.29	21.28	21.05			
10	QPSK	6	3	0	0	7	21.11	22.00	22.02			
10	QPSK	1	0	0	0	7	22.03	22.11	21.87			
10	QPSK	1	5	0	0	7	21.89	21.88	21.70			
10	QPSK	3	0	0	0	7	21.97	21.99	21.65			
Channel												
				L	M	H	21125 <th>21275<th>21525<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	21275 <th>21525<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	21525 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
5	QPSK	1	0	0	0	3	21.74	21.60	21.62	23.50	0	
5	QPSK	1	5	0	0	3	21.63	21.68	21.61			
5	QPSK	3	0	0	0	3	21.24	21.24	21.62			
5	QPSK	3	3	0	0	3	21.20	21.21	21.56			
5	QPSK	6	0	0	0	3	21.24	21.24	20.95			
5	QPSK	6	3	0	0	3	22.03	22.00	22.00			
5	QPSK	1	0	0	0	3	22.10	22.04	21.83			
5	QPSK	1	5	0	0	3	22.02	22.08	21.71			
5	QPSK	3	0	0	0	3	22.03	21.93	21.60			
Channel												
				L	M	H	20000 <th>20176<th>20300<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	20176 <th>20300<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20300 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
3	QPSK	1	0	0	0	1	22.03	22.25	22.23	23.50	0	
3	QPSK	1	5	0	0	1	21.89	22.10	21.95			
3	QPSK	3	0	0	0	1	21.95	22.12	21.98			
3	QPSK	3	3	0	0	1	21.93	21.93	21.98			
3	QPSK	6	0	0	0	1	21.85	20.70	21.08			
3	QPSK	6	3	0	0	1	21.95	21.97	21.95			
3	QPSK	1	0	0	0	1	22.01	21.92	21.03			
3	QPSK	1	5	0	0	1	20.77	20.72	21.00			
3	QPSK	3	0	0	0	1	20.80	20.75	20.98			
Channel												
				L	M	H	20175 <th>20175<th>20175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th></th>	20175 <th>20175<th>Tune-up limit (dBm)</th><th>MPR (dB)</th><th></th></th>	20175 <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th> <th></th>	Tune-up limit (dBm)	MPR (dB)	
14	QPSK	1	0	0	0	2	22.03	22.12	22.12	23.50	0	
14	QPSK	1	5	0	0	2	22.03	22.12	21.98			
14	QPSK	3	0	0	0	2	21.98	21.24	21.24			
14	QPSK	3	3	0	0	2	21.23	21.21	21.03			
14	QPSK	6	0	0	0	2	21.23	21.21	21.03			
14	QPSK	6	3	0	0	2	21.23	21.24	22.02			
14	QPSK	1	0	0	0	2	21.22	21.22	20.99			
14	QPSK	1	5	0	0	2	20.99	20.99	21.06			
14	QPSK	3	0	0	0	2	20.89	20.75	21.11			

LTE Band 12											
SW (MHz)	Modulation	RB Size	RB Offset	Index	Power Low Ch. Freq. (MHz)	Power Middle Ch. Freq. (MHz)	Power High Ch. Freq. (MHz)	Tune-up Int. (dB)	MPR (dB)		
Channel					L	M	H				
Frequency (MHz)					L	M	H				
10	QPSK	1	0	0 7	22.43	22.50	22.62	24.00	0		
10	QPSK	1	5	0 7	21.92	22.09	22.21				
10	QPSK	3	0	7	22.40	22.52	22.19				
10	QPSK	3	3	0 7	21.89	22.02	22.19	23.00	1		
10	QPSK	6	0	7	21.86	21.75	21.71				
10	16QAM	1	0	7	22.22	22.38	22.42				
10	16QAM	1	5	0 7	22.27	22.44	22.37	24.00	0		
10	16QAM	3	0	7	22.27	22.40	22.37				
10	16QAM	3	3	0 7	22.38	22.41	22.37				
10	16QAM	6	0	7	21.83	21.77	21.80	23.00	1		
Channel					L	M	H				
Frequency (MHz)					L	M	H				
5	QPSK	1	0	0 3	22.94	22.91	22.49	24.00	0		
5	QPSK	1	5	0 3	21.98	22.15	22.21				
5	QPSK	3	0	3	21.39	21.68	21.78				
5	QPSK	3	3	0 3	21.31	21.53	21.86	23.00	1		
5	QPSK	6	0	3	21.35	21.58	21.72				
5	16QAM	1	0	0 3	22.38	22.45	22.39				
5	16QAM	1	5	0 3	22.19	22.36	22.42	24.00	0		
5	16QAM	3	0	0 3	21.48	21.73	21.87				
5	16QAM	3	3	0 3	21.41	21.66	21.80				
5	16QAM	6	0	0 3	20.87	21.22	21.35	23.00	2		
Channel					L	M	H				
Frequency (MHz)					L	M	H				
3	QPSK	1	0	0 1	22.41	22.45	22.42	24.00	0		
3	QPSK	1	5	0 1	22.36	22.48	22.46				
3	QPSK	3	0	0 1	21.68	21.89	21.70				
3	QPSK	3	3	0 1	21.63	21.72	21.67	23.00	1		
3	QPSK	6	0	0 1	20.91	21.15	21.30				
3	16QAM	1	0	0 1	21.63	21.74	21.68				
3	16QAM	1	5	0 1	21.57	21.68	21.60	23.00	2		
3	16QAM	3	0	0 1	20.91	21.18	21.32				
3	16QAM	3	3	0 1	20.92	21.16	21.34				
Channel					L	M	H				
Frequency (MHz)					L	M	H				
1.4	QPSK	1	0	0 0	22.37	22.47	22.43	24.00	0		
1.4	QPSK	1	5	0 0	22.37	22.48	22.47				
1.4	QPSK	3	0	0 0	21.66	21.73	21.66				
1.4	QPSK	3	3	0 0	21.62	21.68	21.68	23.00	1		
1.4	QPSK	6	0	0 0	20.90	21.00	21.34				
1.4	16QAM	1	0	0 0	21.65	21.73	21.64				
1.4	16QAM	1	5	0 0	21.63	21.68	21.68	23.00	1		
1.4	16QAM	3	0	0 0	20.91	21.21	21.30				
1.4	16QAM	3	3	0 0	20.84	21.15	21.29				
1.4	16QAM	6	0	0 0	20.93	21.20	21.34	22.00	2		

LTE Band 66													
BW (MHz)	Modulation	RB Size	RB Offset	Index	Power Low Ch. Freq.	Power Middle Ch. Freq.	Power High Ch. Freq.	Tune-up Int. (dBm)	MPR (dB)				
Channel					130672	130672	130672						
Frequency (MHz)					L	M	H						
20	QPSK	1	0	0 0 15	17.26	17.45	17.73	23.50	0				
20	QPSK	1	5	0 0 15	22.38	22.42	22.33						
20	QPSK	3	0	0 0 15	22.14	21.85	21.80						
20	QPSK	3	3	0 0 15	22.35	22.38	22.36	23.00	1				
20	QPSK	6	0	0 0 15	22.24	22.26	22.18						
20	16QAM	1	0	0 0 15	22.24	22.23	22.18						
20	16QAM	1	5	0 0 15	22.24	22.07	21.94	24.00	0				
20	16QAM	3	0	0 0 15	22.19	21.90	21.85						
20	16QAM	3	3	0 0 15	22.11	21.86	21.78						
20	16QAM	6	0	0 0 15	22.19	21.90	21.85	23.00	1				
Channel					L	M	H						
Frequency (MHz)					130674	130672	130670						
15	QPSK	1	0	0 0 11	22.27	22.81	21.87	23.50	0				
15	QPSK	1	5	0 0 11	22.23	21.96	21.86						
15	QPSK	3	0	0 0 11	22.26	22.01	21.90						
15	QPSK	3	3	0 0 11	22.14	21.80	21.75	23.00	1				
15	QPSK	6	0	0 0 11	22.25	22.00	21.85						
15	16QAM	1	0	0 0 11	22.25	22.33	22.19						
15	16QAM	1	5	0 0 11	22.31	22.19	22.02	24.00	0				
15	16QAM	3	0	0 0 11	22.24	22.01	21.80						
15	16QAM	3	3	0 0 11	22.15	21.85	21.75						
15	16QAM	6	0	0 0 11	22.21	21.88	21.85	23.00	2				
Channel					L	M	H						
Frequency (MHz)					130672	130672	130672						
10	QPSK	1	0	0 0 7	22.28	22.13	21.88	23.50	0				
10	QPSK	1	5	0 0 7	22.15	21.90	21.73						
10	QPSK	3	0	0 0 7	22.26	22.12	21.88						
10	QPSK	3	3	0 0 7	22.19	22.02	21.82	23.00	1				
10	QPSK	6	0	0 0 7	21.82	21.51	21.19						
10	16QAM	1	0	0 0 7	22.21	22.28	22.22						
10	16QAM	1	5	0 0 7	22.31	22.28	22.01	23.50	0				
10	16QAM	3	0	0 0 7	22.26	22.10	21.87						
10	16QAM	3	3	0 0 7	22.18	22.08	21.80						
10	16QAM	6	0	0 0 7	21.78	21.69	21.37	22.50	1				
Channel					L	M	H						
Frequency (MHz)					130672	130672	130672						
5	QPSK	1	0	0 0 3	22.17	22.07	22.01	23.50	0				
5	QPSK	1	5	0 0 3	22.03	21.89	21.83						
5	QPSK	3	0	0 0 3	21.54	21.46	21.41						
5	QPSK	3	3	0 0 3	21.49	21.42	21.29	22.50	1				
5	QPSK	6	0	0 0 3	21.84	21.43	21.40						
5	16QAM	1	0	0 0 3	22.24	22.23	22.22						
5	16QAM	1	5	0 0 3	22.22	22.16	22.10	23.50	0				
5	16QAM	3	0	0 0 3	21.47	21.34	21.30						
5	16QAM	3	3	0 0 3	21.38	21.24	21.18						
5	16QAM	6	0	0 0 3	20.85	20.80	20.76	21.50	2				
Channel					L	M	H						
Frequency (MHz)					130687	130687	130687						
3	QPSK	1	0	0 0 1	22.33	22.38	22.32	23.50	0				
3	QPSK	1	5	0 0 1	22.33	22.40	22.32						
3	QPSK	3	0	0 0 1	21.89	21.50	21.14						
3	QPSK	3	3	0 0 1	21.89	21.45	21.14	23.00	1				
3	QPSK	6	0	0 0 1	20.89								
3	16QAM	1	0	0 0 1	21.89	21.44	21.14						
3	16QAM	1	5	0 0 1	21.89	21.84	21.78	23.50	0				
3	16QAM	3	0	0 0 1	21.89	21.84	21.78						
3	16QAM	3	3	0 0 1	21.88	21.82	21.69						
3	16QAM	6	0	0 0 1	21.88	21.82	21.69	21.50	2				
Channel					L	M	H						
Frequency (MHz)					130696	130692	130688						
1.4	QPSK	1	0	0 0 1	22.31	22.38	22.33	23.50	0				
1.4	QPSK	1	5	0 0 1	22.34	22.38	22.33						
1.4	QPSK	3	0	0 0 1	21.58	21.45	21.18						
1.4	QPSK	3	3	0 0 1	21.57	21.45	21.18	23.00	1				
1.4	QPSK	6	0	0 0 1	21.59	21.45	21.18						
1.4	16QAM	1	0	0 0 1	21.57	21.44	21.18						
1.4	16QAM	1	5	0 0 1	21.57	21.44	21.18	23.50	0				
1.4	16QAM	3	0	0 0 1	21.57	21.44	21.18						
1.4	16QAM	3	3	0 0 1	21.56	21.43	21.17						
1.4	16QAM	6	0	0 0 1	21.56	21.43	21.17	22.50	1				
Channel					L	M	H						
Frequency (MHz)					130701 <th>130701<th>130701</th><th colspan="4"></th></th>	130701 <th>130701</th> <th colspan="4"></th>	130701						
1.4	QPSK	1	0	0 0 1	21.56	21.48	21.18	23.50	0				
1.4	QPSK	1	5	0 0 1	21.60	21.48	21.18						
1.4	QPSK	3	0	0 0 1	21.59	21.48	21.18						
1.4	QPSK	3	3	0 0 1	21.59	21.48	21.18	23.00	1				
1.4	QPSK	6	0	0 0 1	21.59	21.48	21.18						
1.4	16QAM	1	0	0 0 1	21.59	21.48	21.18						
1.4	16QAM	1	5	0 0 1	21.59	21.48	21.18	23.50	0				
1.4	16QAM	3	0	0 0 1	21.59	21.48	21.18						
1.4	16QAM	3	3	0 0 1	21.58	21.48	21.18						
1.4	16QAM	6	0	0 0 1	21.58	21.48	21.18	21.50	2				
Channel					L	M	H						
Frequency (MHz)					130706 <th>130706<th>130706</th><th colspan="4"></th></th>	130706 <th>130706</th> <th colspan="4"></th>	130706						

Mode	Channel	Frequency (MHz)	Ant 1			
			Average power (dBm)			
			1Mbps	2Mbps	125Kbps	500Kbps
LE	CH 00	2402	3.50	3.40	3.60	3.50
	CH 19	2440	3.40	3.30	3.60	3.50
	CH 39	2480	3.60	3.50	3.70	3.60
Tune-up Limit			4.5	4.5	4.5	4.5