

LTE Band 2														
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)						
Channel														
Frequency (MHz)														
25	QPSK	1	0	21.85	22.01	21.96	22.5	0						
25	QPSK	1	49	22.11	22.09	22.12								
25	QPSK	1	99	21.85	21.75	21.80								
25	QPSK	50	0	21.00	20.89	20.97								
25	QPSK	50	24	21.07	21.06	21.10	21.5	1						
25	QPSK	50	50	20.94	20.98	20.92								
25	QPSK	100	0	20.90	20.89	20.97								
25	16QAM	1	0	20.92	20.76	20.98								
25	16QAM	1	13	20.92	20.80	20.78	21.5	1						
25	16QAM	1	26	20.71	21.06	20.96								
25	16QAM	12	0	21.13	20.84	20.79								
25	16QAM	12	7	20.94	20.90	20.73								
25	16QAM	12	15	20.86	20.84	20.87	20.5	2						
25	16QAM	27	0	19.81	19.80	19.82								
Channel														
Frequency (MHz)														
15	QPSK	1	0	22.01	21.85	21.70	22.5	0						
15	QPSK	1	37	22.04	22.04	22.08								
15	QPSK	1	74	21.85	21.77	21.72								
15	QPSK	36	0	21.05	21.09	20.98								
15	QPSK	36	20	20.95	21.06	20.92	21.5	1						
15	QPSK	36	39	21.00	20.93	20.95								
15	QPSK	75	0	20.98	20.86	21.04								
15	16QAM	1	0	20.96	20.88	20.87								
15	16QAM	1	13	20.97	20.87	20.81	21.5	1						
15	16QAM	1	26	20.73	20.88	20.98								
15	16QAM	12	0	21.02	20.88	20.89								
15	16QAM	12	7	20.96	20.85	20.96								
15	16QAM	12	15	21.06	21.05	21.01	20.5	2						
15	16QAM	27	0	19.81	19.80	19.82								
Channel														
Frequency (MHz)														
10	QPSK	1	0	21.75	21.67	21.72	22.5	0						
10	QPSK	1	25	21.97	22.08	22.07								
10	QPSK	1	49	21.70	21.73	21.65								
10	QPSK	25	0	21.06	20.95	20.93								
10	QPSK	25	12	20.97	21.00	20.98	21.5	1						
10	QPSK	25	26	21.02	20.87	20.85								
10	QPSK	50	0	21.04	21.03	21.02								
10	16QAM	1	0	20.85	20.73	20.86								
10	16QAM	1	13	20.86	20.75	20.81	21.5	1						
10	16QAM	1	26	20.80	20.83	20.91								
10	16QAM	12	0	20.74	20.92	20.93								
10	16QAM	12	7	20.92	20.80	20.85								
10	16QAM	12	15	20.98	20.85	20.89	20.5	2						
10	16QAM	27	0	19.83	19.82	19.83								
Channel														
Frequency (MHz)														
5	QPSK	1	0	21.91	21.62	21.68	22.5	0						
5	QPSK	1	12	22.02	22.09	21.99								
5	QPSK	1	24	21.76	21.60	21.65								
5	QPSK	12	0	21.06	20.95	20.91								
5	QPSK	12	7	21.04	20.95	20.86	21.5	1						
5	QPSK	12	13	20.84	21.00	20.83								
5	QPSK	25	0	21.00	20.86	20.86								
5	16QAM	1	0	21.10	21.10	21.10								
5	16QAM	1	12	21.12	21.02	21.24	21.5	1						
5	16QAM	1	24	20.95	20.88	20.87								
5	16QAM	12	0	20.10	20.93	19.83								
5	16QAM	12	7	20.12	20.98	19.87								
5	16QAM	12	13	20.02	20.03	20.04	20.5	2						
5	16QAM	25	0	19.81	19.97	19.77								
Channel														
Frequency (MHz)														
3	QPSK	1	0	21.79	21.86	21.74	22.5	0						
3	QPSK	1	8	21.80	21.76	21.65								
3	QPSK	1	14	21.30	21.86	21.70								
3	QPSK	8	0	21.15	21.02	20.96								
3	QPSK	8	4	21.06	21.01	20.98	21.5	1						
3	QPSK	8	7	21.00	20.97	20.85								
3	QPSK	15	0	21.03	20.91	20.85								
3	16QAM	1	0	21.10	20.82	20.93								
3	16QAM	1	8	20.91	20.94	20.81	21.5	1						
3	16QAM	1	16	20.86	20.94	20.75								
3	16QAM	8	0	19.95	19.73	19.61								
3	16QAM	8	4	20.07	19.94	19.77								
3	16QAM	8	7	20.05	19.76	19.62	20.5	2						
3	16QAM	15	0	19.92	19.94	19.69								
Channel														
Frequency (MHz)														
1.4	QPSK	1	0	21.79	21.79	21.75	22.5	0						
1.4	QPSK	1	3	21.86	21.87	21.89								
1.4	QPSK	1	5	21.74	21.72	21.77								
1.4	QPSK	3	0	21.71	21.83	21.67								
1.4	QPSK	3	1	21.88	21.92	21.65	21.5	1						
1.4	QPSK	3	3	21.86	21.80	21.76								
1.4	QPSK	6	0	20.87	20.85	20.61								
1.4	16QAM	1	0	20.65	20.70	20.56								
1.4	16QAM	1	3	21.00	21.01	20.81	21.5	1						
1.4	16QAM	1	5	20.83	21.01	20.66								
1.4	16QAM	3	0	20.81	20.77	20.57								
1.4	16QAM	3	1	20.80	20.92	20.53								
1.4	16QAM	3	3	20.84	20.88	20.47	20.5	2						
1.4	16QAM	6	0	19.92	19.99	19.54								

LTE Band 4										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	21.54	21.38	21.45	22.5	0		
20	QPSK	1	49	21.06	21.72	21.46				
20	QPSK	1	99	21.41	21.33	21.45				
20	QPSK	50	0	20.83	20.42	20.55				
20	QPSK	50	24	20.83	20.54	20.35	21.5	1		
20	QPSK	50	50	20.03	20.54	20.35				
20	QPSK	100	0	20.33	20.34	20.27				
20	16QAM	1	0	20.36	20.07	20.64				
20	16QAM	1	13	20.34	20.67	20.43	21.5	1		
20	16QAM	1	26	20.18	20.35	20.35				
20	16QAM	12	0	20.53	20.45	20.52				
20	16QAM	12	7	20.81	20.58	20.65				
20	16QAM	12	15	20.70	20.67	20.76	20.5	2		
20	16QAM	27	0	19.51	19.38	19.57				
Channel										
Frequency (MHz)										
10	QPSK	1	0	11.17	11.22	11.15	22.5	0		
10	QPSK	1	21	11.01	11.56	11.39				
10	QPSK	1	37	21.20	21.44	21.42				
10	QPSK	1	74	21.13	21.32	21.32				
10	QPSK	36	0	20.19	20.28	20.24	21.5	1		
10	QPSK	36	20	21.11	20.23	20.21				
10	QPSK	36	38	20.45	20.21	20.22				
10	QPSK	72	0	20.23	20.25	20.25				
10	16QAM	1	0	20.22	20.35	20.29	21.5	1		
10	16QAM	1	13	20.25	20.40	20.35				
10	16QAM	1	26	20.35	20.31	20.27				
10	16QAM	12	0	20.38	20.68	20.45				
10	16QAM	12	7	20.42	20.70	20.68	21.5	1		
10	16QAM	12	15	20.40	20.36	20.32				
10	16QAM	27	0	19.23	19.28	19.33	20.5	2		
Channel										
Frequency (MHz)										
10	QPSK	1	0	12.11	12.23	12.50	22.5	0		
10	QPSK	1	25	21.47	21.54	21.13				
10	QPSK	1	49	21.12	21.29	21.17				
10	QPSK	20	0	20.44	20.37	20.35				
10	QPSK	25	12	20.32	20.42	20.30	21.5	1		
10	QPSK	25	26	20.39	20.25	20.26				
10	QPSK	50	0	20.45	20.46	20.24				
10	16QAM	1	0	20.25	20.42	20.15				
10	16QAM	1	13	20.38	20.66	20.48	21.5	1		
10	16QAM	1	26	20.35	20.23	20.20				
10	16QAM	12	0	20.18	20.47	20.21				
10	16QAM	12	7	20.26	20.42	20.18				
10	16QAM	12	15	20.40	20.37	20.26	20.5	2		
10	16QAM	27	0	19.16	19.00	19.10				
Channel										
Frequency (MHz)										
5	QPSK	1	0	12.12	12.52	12.53	22.5	0		
5	QPSK	1	12	21.14	21.12	21.16				
5	QPSK	1	24	21.12	21.14	21.16				
5	QPSK	1	48	21.23	21.34	20.34				
5	QPSK	12	7	20.30	20.30	20.37	21.5	1		
5	QPSK	12	13	20.26	20.34	20.41				
5	QPSK	26	0	20.16	20.28	20.28				
5	16QAM	1	0	20.11	20.45	20.12				
5	16QAM	1	12	20.32	20.47	20.38	21.5	1		
5	16QAM	1	24	20.11	20.24	20.37				
5	16QAM	12	0	19.88	19.29	19.86				
5	16QAM	12	7	19.90	19.27	19.18				
5	16QAM	12	13	19.14	19.11	19.30	20.5	2		
5	16QAM	25	0	19.28	19.13	19.41				
Channel										
Frequency (MHz)										
3	QPSK	1	0	17.15	17.25	17.53	22.5	0		
3	QPSK	1	0	21.30	21.39	21.20				
3	QPSK	8	0	21.32	21.32	21.31				
3	QPSK	1	14	21.31	21.27	21.29				
3	QPSK	8	0	20.47	20.47	20.49	21.5	1		
3	QPSK	8	0	20.38	20.43	20.43				
3	QPSK	8	7	20.56	20.37	20.51				
3	QPSK	15	0	20.30	20.47	20.36				
3	16QAM	1	0	20.36	20.38	20.22	21.5	1		
3	16QAM	1	8	20.11	20.16	20.24				
3	16QAM	14	0	20.47	20.23	20.48				
3	16QAM	8	0	19.89	19.40	19.10				
3	16QAM	8	4	19.14	19.30	19.32	20.5	2		
3	16QAM	8	7	19.33	19.38	19.12				
3	16QAM	15	0	18.17	18.36	18.23				
Channel										
Frequency (MHz)										
1.4	QPSK	1	0	21.31	21.32	21.48	22.5	0		
1.4	QPSK	1	3	21.33	21.42	21.67				
1.4	QPSK	1	21	21.27	21.39	21.51				
1.4	QPSK	3	0	21.38	21.50	21.54				
1.4	QPSK	1	0	21.32	21.48	21.70	21.5	1		
1.4	QPSK	1	21	21.24	21.34	21.54				
1.4	QPSK	6	0	20.22	20.35	20.33				
1.4	QPSK	3	0	20.29	20.12	20.21				
1.4	16QAM	1	3	20.40	20.48	20.37	21.5	1		
1.4	16QAM	1	5	20.32	20.51	20.32				
1.4	16QAM	3	3	20.28	20.53	20.61				
1.4	16QAM	3	3	20.34	20.60	20.39				
1.4	QPSK	1	3	20.26	20.71	20.41	20.5	2		
1.4	QPSK	1	5	19.18	19.31	19.11				
1.4	QPSK	1	21	21.27	21.39	21.51				
1.4	QPSK	3	0	21.38	21.50	21.54				

LTE Band 7										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch / Freq 20850	Power Mid Ch / Freq 21100	Power High Ch / Freq 21350	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
20	QPSK	1	0	22.81	22.75	22.45	23	0		
20	QPSK	1	49	22.86	22.91	22.88				
20	QPSK	1	99	22.80	22.70	22.42				
20	QPSK	50	0	21.84	21.87	21.82	22	1		
20	QPSK	50	24	21.88	21.89	21.64				
20	QPSK	50	50	21.78	21.88	21.60				
20	QPSK	100	0	21.43	21.48	21.44	22	1		
20	16QAM	1	0	21.43	21.46	21.40				
20	16QAM	1	13	21.37	21.56	21.31				
20	16QAM	1	25	21.78	21.80	21.43	22	1		
20	16QAM	12	7	21.80	21.81	21.62				
20	16QAM	12	7	21.74	21.84	21.60				
20	16QAM	12	15	21.78	21.99	21.55	21	2		
20	16QAM	27	0	20.90	20.94	20.51				
Channel Frequency (MHz)										
15	QPSK	1	0	22.95	22.93	22.62	23	0		
15	QPSK	1	37	22.79	22.89	22.80				
15	QPSK	1	74	22.81	22.84	22.73				
15	QPSK	36	0	21.50	21.70	21.50	22	1		
15	QPSK	36	20	21.88	21.74	21.54				
15	QPSK	36	36	21.82	21.75	21.76				
15	QPSK	75	0	21.40	21.56	21.66	22	1		
15	16QAM	1	0	21.66	21.86	21.71				
15	16QAM	1	13	21.80	21.67	21.43				
15	16QAM	1	26	21.50	21.80	21.42	22	1		
15	16QAM	12	7	21.84	21.79	21.51				
15	16QAM	12	15	21.87	21.87	21.76				
15	16QAM	27	0	20.82	20.96	20.63	21	2		
Channel Frequency (MHz)										
10	QPSK	1	0	22.15	22.20	22.12	23	0		
10	QPSK	1	26	22.38	22.44	22.20				
10	QPSK	1	49	22.04	22.30	22.00				
10	QPSK	25	0	21.36	21.30	21.03	22	1		
10	QPSK	25	12	21.33	21.40	21.26				
10	QPSK	25	25	21.46	21.44	21.30				
10	16QAM	1	0	21.23	21.62	21.31	22	1		
10	16QAM	1	13	21.21	21.22	21.27				
10	16QAM	1	26	21.21	21.47	21.20				
10	16QAM	12	0	21.53	21.24	21.21	22	1		
10	16QAM	12	7	21.26	21.38	21.13				
10	16QAM	12	15	21.28	21.48	21.05				
10	16QAM	27	0	20.19	20.35	20.07	21	2		
Channel Frequency (MHz)										
5	QPSK	1	0	22.21	22.25	22.24	23	0		
5	QPSK	1	12	22.81	22.60	22.34				
5	QPSK	1	24	22.22	22.32	22.25				
5	QPSK	12	0	21.47	21.69	21.23	22	1		
5	QPSK	12	7	21.52	21.49	21.27				
5	QPSK	12	13	21.50	21.37	21.22				
5	QPSK	26	0	21.47	21.43	21.19	22	1		
5	16QAM	1	0	21.30	21.30	21.30				
5	16QAM	1	12	21.14	21.57	21.58				
5	16QAM	12	0	20.62	20.24	20.25	21	2		
5	16QAM	12	7	20.64	20.31	20.34				
5	16QAM	12	13	20.96	20.60	20.25				
5	16QAM	26	0	20.49	20.44	20.33				

LTE Band 12										
BW (MHz)	Modulation	RB Size	RB Offset	Channel		Power Low Ch / Freq 23000	Power Mid Ch / Freq 23009	Power High Ch / Freq 23130	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)										
10	QPSK	1	0	22.41	22.42	22.36	23.5	0		
10	QPSK	1	25	22.80	22.79	22.72				
10	QPSK	1	49	22.30	22.35	22.32				
10	QPSK	25	0	21.35	21.46	21.51	22.5	1		
10	QPSK	25	12	21.50	21.55	21.48				
10	QPSK	25	25	21.44	21.41	21.34				
10	QPSK	50	0	21.43	21.52	21.48	22.5	1		
10	16QAM	1	0	21.10	21.01	21.15				
10	16QAM	1	13	21.04	21.08	21.06				
10	16QAM	1	26	21.41	21.42	21.43	22.5	1		
10	16QAM	12	0	21.44	21.24	21.24				
10	16QAM	12	7	21.32	21.40	21.45				
10	16QAM	12	15	21.45	21.43	21.47	21.5	2		
10	16QAM	27	0	20.44	20.43	20.37				
Channel										
Frequency (MHz)				23014	23019	23135	Tune-up limit (dBm)	MPR (dB)		
5	QPSK	1	0	22.31	22.31	22.32	23.5	0		
5	QPSK	1	12	22.59	22.68	22.62				
5	QPSK	1	24	22.46	22.25	22.29				
5	QPSK	12	0	21.32	21.48	21.42	22.5	1		
5	QPSK	12	7	21.47	21.42	21.47				
5	QPSK	12	13	21.43	21.46	21.43				
5	QPSK	25	0	21.42	21.49	21.44	22.5	1		
5	16QAM	1	0	21.67	21.19	21.21				
5	16QAM	1	12	21.62	21.23	21.24				
5	16QAM	1	24	21.20	21.25	21.40	21.5	2		
5	16QAM	12	0	20.30	20.35	20.47				
5	16QAM	12	7	20.40	20.46	20.50				
5	16QAM	12	13	20.46	20.52	20.55	21.5	2		
5	16QAM	26	0	20.20	20.64	20.69				
Channel										
Frequency (MHz)				23015	23019	23145	Tune-up limit (dBm)	MPR (dB)		
3	QPSK	1	0	22.06	22.28	22.30	23.5	0		
3	QPSK	1	8	22.26	22.31	22.47				
3	QPSK	1	14	22.37	22.40	22.06				
3	QPSK	8	0	21.49	21.41	21.37	22.5	1		
3	QPSK	8	4	21.43	21.35	21.42				
3	QPSK	8	7	21.47	21.36	21.31				
3	QPSK	15	0	21.35	21.28	21.45	22.5	1		
3	16QAM	1	0	20.92	20.93	21.42				
3	16QAM	1	8	20.96	21.42	21.30				
3	16QAM	1	14	21.23	21.12	20.92	21.5	2		
3	16QAM	8	0	20.13	20.12	20.18				
3	16QAM	8	4	20.30	20.36	20.46				
3	16QAM	8	7	20.44	20.16	20.38	21.5	2		
3	16QAM	15	0	20.18	20.43	20.14				
Channel										
Frequency (MHz)				23016	23019	23146	Tune-up limit (dBm)	MPR (dB)		
1.4	QPSK	1	0	22.43	22.41	22.37	23.5	0		
1.4	QPSK	1	3	22.51	22.47	22.46				
1.4	QPSK	1	5	22.38	22.41	22.47				
1.4	QPSK	3	0	22.55	22.61	22.52	22.5	1		
1.4	QPSK	3	3	22.48	22.64	22.45				
1.4	QPSK	6	0	21.40	21.37	21.44				
1.4	QPSK	1	0	21.47	21.12	21.51	22.5	1		
1.4	16QAM	1	3	21.20	21.22	21.59				
1.4										
1.4	16QAM	1	0	21.42	21.16	21.43	22.5	1		
1.4	16QAM	1	3	21.42	21.49	21.43				
1.4	16QAM	3	1	21.53	21.45	21.39				
1.4	16QAM	3	3	21.42	21.43	21.43	21.5	2		
1.4	16QAM	6	0	20.39	20.39	20.15				

2.4GHz WLAN

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	17.20	18.00	99.29
		6	2437	16.90	18.00	
		11	2462	16.90	18.00	
	802.11g 6Mbps	1	2412	16.70	17.00	98.07
		6	2437	16.50	17.00	
		11	2462	16.50	17.00	
	802.11n-HT20 MCS0	6	2437	16.60	17.00	97.42
		11	2462	16.60	17.00	
		11	2462	16.60	17.00	

Bluetooth

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	source base time.Average Power (dBm)	Tune-up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	8.10	10.50	7.97	9.37	77.07%
		39	2441	8.00	10.50	7.47	9.37	
		78	2480	8.70	10.50	7.57	9.37	
	BR / EDR 2Mbps	0	2402	9.40	10.50	8.36	9.36	76.89%
		39	2441	9.50	10.50	7.36	9.36	
		78	2480	9.10	10.50	7.86	9.36	
	BR / EDR 3Mbps	0	2402	9.40	10.50	7.36	9.36	76.90%
		39	2441	9.50	10.50	7.36	9.36	
		78	2480	9.10	10.50	7.36	9.36	
	LE 1Mbps	0	2402	0.30	3.00	-1.50	0.95	62.42%
		19	2440	0.30	3.00	-1.70	0.95	
		39	2480	1.40	3.00	-0.60	0.95	
	LE 2Mbps	0	2402	0.60	3.00	-4.30	-1.88	32.48%
		19	2440	0.40	3.00	-4.40	-1.88	
		39	2480	1.50	3.00	-3.30	-1.88	