

LTE Band 2 Ant1 (1900MHz Band) Part 24E												
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	24.11	24.23	24.09	24.7	0				
20	QPSK	1	49	24.01	24.13	23.99						
20	QPSK	1	99	23.76	23.88	23.74						
20	QPSK	50	0	23.99	23.21	23.07						
20	QPSK	50	24	23.11	23.13	23.19	23.7	1				
20	QPSK	50	50	23.01	23.13	22.99						
20	QPSK	100	0	22.95	23.07	22.93						
20	16QAM	1	0	23.03	23.15	23.01						
20	16QAM	1	49	23.02	23.14	23.00	23.7	1				
20	16QAM	1	99	22.75	22.76	22.77						
20	16QAM	50	0	22.14	22.26	22.12						
20	16QAM	50	24	22.25	22.38	22.24						
20	16QAM	50	50	22.09	22.21	22.07	22.7	2				
20	16QAM	100	0	22.14	22.26	22.12						
Channel												
Frequency (MHz)												
15	QPSK	1	0	1857.5	1860	1912.5	24.7	0				
15	QPSK	1	37	23.98	24.06	23.83						
15	QPSK	1	74	23.60	23.79	23.69						
15	QPSK	36	0	22.94	23.13	23.03						
15	QPSK	36	20	23.02	23.26	23.14	23.7	1				
15	QPSK	36	39	22.90	23.08	22.90						
15	QPSK	75	0	22.87	23.03	22.85						
15	16QAM	1	0	22.91	23.05	22.82						
15	16QAM	1	37	22.97	22.95	22.98	23.7	1				
15	16QAM	1	74	22.72	22.66	22.63						
15	16QAM	36	0	22.04	22.22	22.13						
15	16QAM	36	20	22.16	22.26	22.06						
15	16QAM	36	39	21.88	22.07	21.97	22.7	2				
15	16QAM	75	0	22.04	22.17	22.07						
Channel												
Frequency (MHz)												
10	QPSK	1	0	24.01	24.10	23.89	24.7	0				
10	QPSK	1	25	23.79	23.89	23.81						
10	QPSK	1	49	23.72	23.80	23.61						
10	QPSK	25	0	22.86	23.06	22.92						
10	QPSK	25	12	22.59	23.15	23.02	23.7	1				
10	QPSK	25	25	22.85	23.02	22.94						
10	QPSK	50	0	22.85	22.97	22.82						
10	16QAM	1	0	22.85	22.97	22.95						
10	16QAM	1	49	22.95	23.02	22.93	23.7	1				
10	16QAM	1	74	22.95	23.02	22.93						
10	16QAM	25	0	22.13	22.16	21.92						
10	16QAM	25	12	22.25	22.21	22.09						
10	16QAM	25	25	21.88	22.16	22.02	22.7	2				
10	16QAM	50	0	21.98	22.16	21.98						
Channel												
Frequency (MHz)												
5	QPSK	1	0	24.06	24.14	23.95	24.7	0				
5	QPSK	1	24	23.92	24.07	23.78						
5	QPSK	1	49	23.73	23.65	23.74						
5	QPSK	12	0	23.01	23.09	22.86						
5	QPSK	12	7	23.03	23.31	23.15	23.7	1				
5	QPSK	12	13	22.83	23.12	22.91						
5	QPSK	25	0	22.82	22.89	22.88						
5	16QAM	1	0	22.99	22.92	22.86						
5	16QAM	1	12	22.99	23.09	22.86	23.7	1				
5	16QAM	1	24	22.61	22.66	22.68						
5	16QAM	12	0	21.99	22.16	21.97						
5	16QAM	12	7	22.12	22.27	22.23						
5	16QAM	12	13	22.01	22.12	21.90	22.7	2				
5	16QAM	25	0	22.02	22.13	22.07						
Channel												
Frequency (MHz)												
3	QPSK	1	0	24.05	24.12	23.99	24.7	0				
3	QPSK	1	8	24.02	23.97	23.90						
3	QPSK	1	14	23.77	23.88	23.62						
3	QPSK	8	0	23.01	23.04	22.99						
3	QPSK	8	4	23.05	23.20	23.07	23.7	1				
3	QPSK	8	7	22.93	22.92	22.79						
3	QPSK	15	0	22.90	22.93	22.92						
3	16QAM	1	0	22.86	23.00	22.86						
3	16QAM	1	8	22.80	23.12	22.95	23.7	1				
3	16QAM	1	14	22.69	22.66	22.79						
3	16QAM	8	0	22.03	22.15	22.02						
3	16QAM	8	4	22.06	22.36	22.11						
3	16QAM	8	7	21.88	22.06	22.02	22.7	2				
3	16QAM	15	0	22.04	22.07	21.88						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	24.07	24.11	23.91	24.7	0				
1.4	QPSK	1	3	23.86	24.00	23.91						
1.4	QPSK	1	5	23.76	23.80	23.76						
1.4	QPSK	3	0	23.75	23.77	23.59						
1.4	QPSK	3	1	23.62	23.61	23.78	23.7	1				
1.4	QPSK	3	3	23.68	23.65	23.76						
1.4	QPSK	6	0	22.84	22.98	22.84						
1.4	16QAM	1	0	22.85	23.07	22.99						
1.4	16QAM	1	3	22.82	22.93	22.95	23.7	1				
1.4	16QAM	1	5	22.76	22.69	22.66						
1.4	16QAM	3	0	22.65	22.55	22.54						
1.4	16QAM	3	1	22.73	22.53	22.50						
1.4	16QAM	3	3	22.77	22.62	22.55	22.7	2				
1.4	16QAM	6	0	22.06	22.08	22.07						

LTE Band 4 Ant1 (AWS Band) Part 27L (only on channel required)												
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)				1720	1732.5	1745						
20	QPSK	1	0	24.29	24.29	24.29	25	0				
20	QPSK	1	49	24.34	24.44	24.27						
20	QPSK	1	99	24.26	24.29	24.12						
20	QPSK	50	0	23.25	23.35	23.38						
20	QPSK	50	24	23.39	23.39	23.32	24	1				
20	QPSK	50	50	23.32	23.32	23.45						
20	QPSK	100	0	22.95	23.25	23.08						
20	16QAM	1	0	22.93	23.23	23.06						
20	16QAM	1	49	22.96	23.26	23.09	24	1				
20	16QAM	1	99	23.13	23.43	23.26						
20	16QAM	50	0	22.11	22.41	22.24						
20	16QAM	50	24	22.21	22.51	22.34						
20	16QAM	50	50	22.05	22.35	22.18	23	2				
20	16QAM	100	0	21.92	22.22	22.05						
Channel												
Frequency (MHz)				20025	20175	20325				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1732.5	1747.5						
15	QPSK	1	0	24.23	24.37	24.42	25	0				
15	QPSK	1	37	24.15	24.24	24.24						
15	QPSK	1	74	24.11	24.11	24.02						
15	QPSK	36	0	23.16	23.49	23.21						
15	QPSK	36	20	23.27	23.30	23.11	24	1				
15	QPSK	36	39	23.24	23.60	23.35						
15	QPSK	75	0	22.74	23.11	22.95						
15	16QAM	1	0	22.79	23.04	22.86						
15	16QAM	1	37	22.90	23.13	23.02	24	1				
15	16QAM	1	74	23.02	23.29	23.20						
15	16QAM	36	0	21.94	22.40	22.10						
15	16QAM	36	20	22.06	22.31	22.29						
15	16QAM	36	39	21.94	22.21	22.17	23	2				
15	16QAM	75	0	21.84	22.12	22.01						
Channel												
Frequency (MHz)				20000	20175	20350				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1732.5	1750						
10	QPSK	1	0	24.22	24.48	24.37	25	0				
10	QPSK	1	25	24.24	24.43	24.24						
10	QPSK	1	49	24.24	24.13	24.05						
10	QPSK	25	0	23.05	23.47	23.18						
10	QPSK	25	12	23.27	23.39	23.37	24	1				
10	QPSK	25	25	23.16	23.48	23.27						
10	QPSK	50	0	22.86	23.21	23.04						
10	16QAM	1	0	22.87	23.02	22.86						
10	16QAM	1	25	22.94	23.11	23.04	24	1				
10	16QAM	1	49	23.10	23.34	23.24						
10	16QAM	25	0	22.02	22.42	22.04						
10	16QAM	25	12	22.21	22.38	22.27						
10	16QAM	25	25	22.02	22.33	22.07	23	2				
10	16QAM	50	0	21.76	22.03	21.94						
Channel												
Frequency (MHz)				19975 <th>20175</th> <th>20375</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	20175	20375				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1732.5	1752.5						
5	QPSK	1	0	24.08	24.43	24.24	25	0				
5	QPSK	1	12	24.12	24.32	24.09						
5	QPSK	1	24	24.12	24.23	24.06						
5	QPSK	12	0	23.24	23.34	23.28						
5	QPSK	12	7	23.19	23.31	23.04	24	1				
5	QPSK	12	13	23.09	23.45	23.05						
5	QPSK	25	0	22.83	23.09	23.05						
5	16QAM	1	0	22.81	23.12	22.86						
5	16QAM	1	12	22.88	23.21	22.88	24	1				
5	16QAM	1	24	23.02	23.21	23.01						
5	16QAM	12	0	21.99	22.27	22.18						
5	16QAM	12	7	22.06	22.49	22.24						
5	16QAM	12	13	21.99	22.25	22.15	23	2				
5	16QAM	25	0	21.71	22.17	21.99						
Channel												
Frequency (MHz)				19965 <th>20175</th> <th>20385</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	20175	20385				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1732.5	1753.5						
3	QPSK	1	0	24.17	24.48	24.27	25	0				
3	QPSK	1	8	24.22	24.28	24.05						
3	QPSK	1	16	24.23	24.23	24.05						
3	QPSK	8	0	23.13	23.49	23.29						
3	QPSK	8	4	23.17	23.28	23.16	24	1				
3	QPSK	8	7	23.26	23.54	23.32						
3	QPSK	15	0	22.79	23.21	23.10						
3	16QAM	1	0	22.90	23.01	22.99						
3	16QAM	1	8	22.91	23.10	22.97	24	1				
3	16QAM	1	14	22.90	23.22	23.17						
3	16QAM	8	0	22.07	22.47	22.17						
3	16QAM	8	4	22.03	22.46	22.35						
3	16QAM	8	7	21.99	22.19	22.05	23	2				
3	16QAM	15	0	21.84	22.23	21.98						
Channel												
Frequency (MHz)				19957 <th>20175</th> <th>20393</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	20175	20393				Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1732.5	1754.3						
1.4	QPSK	1	0	24.28	24.44	24.19	25	0				
1.4	QPSK	1	3	24.21	24.24	24.05						
1.4	QPSK	1	5	24.15	24.13	23.96						
1.4	QPSK	3	0	24.05	23.99	23.86						
1.4	QPSK	3	3	24.08	24.06	23.98	24	1				
1.4	QPSK	3	3	24.04	23.93	23.75						
1.4	QPSK	6	0	22.82	23.02	22.91						
1.4	16QAM	1	0	22.87	23.21	22.85						
1.4	16QAM	1	22	22.88	23.12	23.10	24	1				
1.4	16QAM	1	5	22.96	23.28	23.14						
1.4	16QAM	3	0	22.87	23.25	23.07						
1.4	16QAM	3	1	22.95	23.16	23.16						
1.4	16QAM	3	3	23.20	23.05	23.05	23	2				
1.4	16QAM	6	0	21.85	22.01	21.87						

LTE Band 12 Ant0 (700MHz Low Band)Part 27F(only on channel required)										
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				23000	23095	23130				
Frequency (MHz)										
10	QPSK	1	0	23.98	24.11	23.88	25	0		
10	QPSK	1	25	23.66	23.76	23.76				
10	QPSK	1	49	23.69	23.68	23.71				
10	QPSK	25	0	22.39	22.52	22.29				
10	QPSK	25	12	22.35	22.48	22.25				
10	QPSK	25	25	22.32	22.45	22.22	24	1		
10	QPSK	50	0	22.44	22.50	22.34				
10	16QAM	1	0	22.98	22.81	22.58				
10	16QAM	1	25	22.95	22.88	22.45				
10	16QAM	1	49	22.82	22.95	22.72				
10	16QAM	25	0	21.40	21.53	21.30	23	2		
10	16QAM	25	12	21.44	21.57	21.34				
10	16QAM	25	25	21.33	21.46	21.23				
10	16QAM	50	0	21.34	21.47	21.24				
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
5	QPSK	1	0	23.80	23.92	23.85	25	0		
5	QPSK	1	12	23.58	23.64	23.61				
5	QPSK	1	24	23.67	23.57	23.63				
5	QPSK	12	0	22.22	22.47	22.65				
5	QPSK	12	7	22.21	22.25	22.23				
5	QPSK	12	13	22.54	22.29	22.55	24	1		
5	QPSK	25	0	22.31	22.37	22.21				
5	16QAM	1	0	22.50	22.70	22.52				
5	16QAM	1	12	22.54	22.62	22.39				
5	16QAM	1	24	22.69	22.74	22.63				
5	16QAM	12	0	21.38	21.29	21.35	23	2		
5	16QAM	12	7	21.26	21.51	21.27				
5	16QAM	12	13	21.22	21.35	21.20				
5	16QAM	25	0	21.28	21.23	21.32				
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
3	QPSK	1	0	23.75	23.88	23.88	25	0		
3	QPSK	1	8	23.49	23.61	23.72				
3	QPSK	1	14	23.63	23.67	23.61				
3	QPSK	8	0	22.26	22.35	22.60				
3	QPSK	8	4	22.33	22.30	22.62				
3	QPSK	8	7	22.74	22.28	22.61	24	1		
3	QPSK	15	0	22.26	22.53	22.75				
3	16QAM	1	0	22.86	22.81	22.49				
3	16QAM	1	8	22.46	22.80	22.44				
3	16QAM	1	14	22.73	22.79	22.64				
3	16QAM	8	0	21.21	21.45	21.62	23	2		
3	16QAM	8	4	21.27	21.51	21.24				
3	16QAM	8	7	21.21	21.34	21.57				
3	16QAM	15	0	21.30	21.33	21.49				
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)										
1.4	QPSK	1	0	23.86	24.05	23.70	25	0		
1.4	QPSK	1	3	23.58	23.65	23.73				
1.4	QPSK	1	5	23.57	23.65	23.58				
1.4	QPSK	3	0	23.81	24.00	23.70				
1.4	QPSK	3	1	23.51	23.62	23.71				
1.4	QPSK	3	3	23.66	23.65	23.68	24	1		
1.4	QPSK	6	0	22.29	22.34	22.26				
1.4	16QAM	1	0	22.52	22.66	22.54				
1.4	16QAM	1	3	22.52	22.47	22.68				
1.4	16QAM	1	5	22.75	22.88	22.58				
1.4	16QAM	3	0	22.59	22.62	22.54	24	1		
1.4	16QAM	3	1	22.61	22.49	22.57				
1.4	16QAM	3	3	22.84	22.97	22.60				
1.4	16QAM	6	0	21.57	21.47	21.63				

LTE Band 13 Ant0 (700MHz Band) Part 27F										
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				23230						
Frequency (MHz)				792.5						
10	QPSK	1	0		24.47		25	0		
10	QPSK	1	25		24.39					
10	QPSK	1	49		24.38					
10	QPSK	25	0		23.93					
10	QPSK	25	12		23.96					
10	QPSK	25	25		23.43		24	1		
10	QPSK	50	0		22.98					
10	16QAM	1	0		23.41					
10	16QAM	1	25		23.37					
10	16QAM	1	49		23.18					
10	16QAM	25	0		22.36		23	2		
10	16QAM	25	12		22.40					
10	16QAM	25	25		22.34					
10	16QAM	50	0		22.42					
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				779.5	792.5	784.5				
5	QPSK	1	0	24.07	24.30	24.33	25	0		
5	QPSK	1	12	24.09	24.27	24.32				
5	QPSK	1	24	24.17	24.34	24.15				
5	QPSK	12	0	23.52	23.56	23.48				
5	QPSK	12	7	23.51	23.51	23.52				
5	QPSK	12	13	23.53	23.52	23.31	24	1		
5	QPSK	25	0	22.56	22.97	22.89				
5	16QAM	1	0	23.10	23.36	22.99				
5	16QAM	1	12	23.17	23.27	23.33				
5	16QAM	1	24	22.99	23.08	22.90				
5	16QAM	12	0	22.01	22.13	22.01	23	2		
5	16QAM	12	7	22.14	22.24	22.18				
5	16QAM	12	13	22.21	22.27	22.08				
5	16QAM	25	0	22.12	22.30	22.26				

LTE Band 17 Ant0 (700MHz Band) Part 27H(only on channel required)										
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				23780	23790	23800				
Frequency (MHz)				730.5	730	731.5				
10	QPSK	1	0	24.08	24.10	24.08	25	0		
10	QPSK	1	25	23.87	23.92	23.90				
10	QPSK	1	49	23.79	23.84	23.82				
10	QPSK	25	0	22.87	22.92	22.90				
10	QPSK	25	12	22.80	22.85	22.83				
10	QPSK	25	25	22.72	22.77	22.75	24	1		
10	QPSK	50	0	22.74	22.79	22.77				
10	16QAM	1	0	23.17	23.22	23.20				
10	16QAM	1	25	23.11	23.16	23.14				
10	16QAM	1	49	23.04	23.09	23.07				
10	16QAM	25	0	21.92	21.97	21.95	23	2		
10	16QAM	25	12	21.72	21.77	21.75				
10	16QAM	25	25	21.67	21.72	21.70				
10	16QAM	50	0	21.70	21.75	21.73				
Channel				23755 <th>23790</th> <th>23825</th> <th>Tune-up limit (dBm)</th> <th colspan="2">MPR (dB)</th>	23790	23825	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				706.5	710	713.5				
5	QPSK	1	0	24.03	23.92	24.08	25	0		
5	QPSK	1	12	23.79	23.90	23.80				
5	QPSK	1	24	23.68	23.64	23.69				
5	QPSK	12	0	22.74	22.88	22.77				
5	QPSK	12	7	22.67	22.71	22.60				
5	QPSK	12	13	22.57	22.72	22.54	24	1		
5	QPSK	25	0	22.67	22.56	22.67				
5	16QAM	1	0	22.95	23.00	23.14				
5	16QAM	1	12	23.09	23.01	23.00				
5	16QAM	1	24	23.00	22.88	22.97				
5	16QAM	12	0	21.81	21.91	21.84	23	2		
5	16QAM	12	7	21.69	21.73	21.64				
5	16QAM	12	13	21.55	21.68	21.65				
5	16QAM	25	0	21.66	21.54	21.60				

LTE Band 25 Ant1

(1900MHz Band) Part 24E

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				1852.5	1860	1912.5		
Frequency (MHz)				24.13	24.24	23.98		
20	QPSK	1	0	24.13	24.16	23.90	24.7	0
20	QPSK	1	49	23.89	23.91	23.85		
20	QPSK	50	0	23.17	23.26	23.02		
20	QPSK	50	24	22.94	23.05	22.76		
20	QPSK	50	50	22.97	23.08	22.82	23.7	1
20	QPSK	100	0	23.24	23.25	23.09		
20	16QAM	1	0	23.01	23.12	22.86		
20	16QAM	1	49	23.12	23.23	22.97	23.7	1
20	16QAM	1	99	22.89	22.94	22.86		
20	16QAM	50	0	22.08	22.19	21.93		
20	16QAM	50	24	22.05	22.16	21.90		
20	16QAM	50	50	21.99	22.10	21.84	22.7	2
20	16QAM	100	0	22.02	22.13	21.87		
Channel				2611.5	26340	26615		
Frequency (MHz)				1857.5	1860	1907.5		
15	QPSK	1	0	23.98	24.17	23.83	24.7	0
15	QPSK	1	37	23.84	24.03	23.68		
15	QPSK	1	74	23.67	23.75	23.74		
15	QPSK	36	0	22.98	23.13	22.87		
15	QPSK	36	39	22.88	22.94	22.83	23.7	1
15	QPSK	36	39	22.84	23.04	22.78		
15	QPSK	75	0	23.05	23.12	22.89		
15	16QAM	1	0	22.98	23.03	22.75		
15	16QAM	1	37	22.98	23.15	22.84	23.7	1
15	16QAM	1	74	22.84	22.87	22.71		
15	16QAM	36	0	21.97	22.11	21.69		
15	16QAM	36	20	21.96	21.99	21.83	22.7	2
15	16QAM	36	39	21.86	21.99	21.82		
15	16QAM	75	0	21.88	22.11	21.72		
Channel				26090	26340	26640		
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	23.67	24.01	23.86	24.7	0
10	QPSK	1	25	24.01	24.07	23.70		
10	QPSK	1	49	23.77	23.86	23.75		
10	QPSK	25	0	23.15	23.05	23.00		
10	QPSK	25	12	22.80	22.97	22.77	23.7	1
10	QPSK	25	25	22.84	23.07	22.80		
10	QPSK	50	0	23.20	23.16	22.94		
10	16QAM	1	0	22.91	23.03	22.82		
10	16QAM	1	25	23.08	23.16	22.88	23.7	1
10	16QAM	1	49	22.78	22.85	22.71		
10	16QAM	25	0	21.97	22.05	21.74		
10	16QAM	25	12	21.87	22.13	21.84	22.7	2
10	16QAM	25	25	21.77	21.89	21.83		
10	16QAM	50	0	21.69	22.04	21.60		
Channel				26065	26340	26665		
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	24.09	24.07	23.84	24.7	0
5	QPSK	1	12	23.85	24.05	23.89		
5	QPSK	1	24	23.68	23.70	23.73		
5	QPSK	12	0	22.96	23.07	23.01		
5	QPSK	12	7	22.89	23.00	22.88	23.7	1
5	QPSK	12	13	22.83	23.04	22.74		
5	QPSK	25	0	23.03	23.15	22.91		
5	16QAM	1	0	22.89	22.92	22.70	23.7	1
5	16QAM	1	12	22.92	23.09	22.73		
5	16QAM	1	24	22.75	22.94	22.75		
5	16QAM	12	0	22.03	21.96	21.78		
5	16QAM	12	7	21.85	22.03	21.90	22.7	2
5	16QAM	12	13	21.89	21.87	21.82		
5	16QAM	25	0	21.88	22.09	21.66		
Channel				26055	26340	26675		
Frequency (MHz)				1851.5	1860	1913.5		
3	QPSK	1	0	24.05	24.16	23.87	24.7	0
3	QPSK	1	8	23.96	24.08	23.80		
3	QPSK	1	14	23.82	23.78	23.76		
3	QPSK	8	0	23.01	23.09	22.96		
3	QPSK	8	4	22.86	23.04	22.85	23.7	1
3	QPSK	8	7	22.79	22.97	22.83		
3	QPSK	15	0	23.10	23.34	23.08		
3	16QAM	1	0	22.80	22.89	22.76	23.7	1
3	16QAM	1	8	23.10	23.09	22.86		
3	16QAM	1	14	22.82	22.83	22.82		
3	16QAM	8	0	22.02	22.07	21.80		
3	16QAM	8	4	22.00	22.08	21.85		
3	16QAM	8	7	21.92	21.92	21.74	22.7	2
3	16QAM	15	0	21.86	21.92	21.84		
Channel				26047	26340	26683		
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	24.10	24.05	23.77	24.7	0
1.4	QPSK	1	3	24.03	24.06	23.87		
1.4	QPSK	1	5	23.87	23.88	23.72		
1.4	QPSK	3	0	24.04	24.13	23.77		
1.4	QPSK	3	1	24.09	24.12	23.97		
1.4	QPSK	3	3	23.78	23.97	23.68	23.7	1
1.4	QPSK	6	0	23.05	23.33	23.04		
1.4	16QAM	1	0	22.82	22.89	22.79		
1.4	16QAM	1	3	23.09	23.03	22.80		
1.4	16QAM	1	5	22.67	22.88	22.80	23.7	1
1.4	16QAM	3	0	22.80	22.92	22.74		
1.4	16QAM	3	1	23.05	23.02	22.72		
1.4	16QAM	3	3	22.64	22.92	22.91		
1.4	16QAM	6	0	21.84	22.05	21.87	22.7	2

LTE Band 26 Ant0

For FCC (only on channel required)

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				26765	26865	26965		
Frequency (MHz)				831.5	831.5	841.5		
15	QPSK	1	0	24.34	24.45	24.24	25	0
15	QPSK	1	37	24.16	24.27	24.06		
15	QPSK	1	74	24.11	24.22	24.01		
15	QPSK	36	0	23.34	23.35	23.24	24	1
15	QPSK	36	20	22.95	23.06	22.85		
15	QPSK	36	39	22.88	22.99	22.86		
15	QPSK	75	0	22.94	23.05	22.84	23	2
15	16QAM	1	0	23.41	23.48	23.40		
15	16QAM	1	37	23.18	23.29	23.08		
15	16QAM	1	74	23.14	23.25	23.04	24	1
15	16QAM	36	0	22.14	22.14	22.14		
15	16QAM	36	20	21.93	22.04	21.83		
15	16QAM	36	39	21.75	21.86	21.75	23	2
15	16QAM	75	0	21.82	21.93	21.72		
Channel				26740	26865	26990		
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)	MPR (dB)
10	QPSK	1	0	24.13	24.44	24.21	25	0
10	QPSK	1	25	24.12	24.17	23.98		
10	QPSK	1	49	23.98	24.09	24.00		
10	QPSK	25	0	23.17	23.18	23.22	24	1
10	QPSK	25	12	22.80	22.85	22.84		
10	QPSK	25	25	22.76	22.94	22.97		
10	QPSK	50	0	22.82	22.92	22.70	24	1
10	16QAM	1	0	23.31	23.32	23.25		
10	16QAM	1	25	23.03	23.26	22.86		
10	16QAM	1	49	23.12	23.15	22.87	23	2
10	16QAM	25	0	21.94	22.03	22.06		
10	16QAM	25	12	21.87	21.89	21.82		
10	16QAM	25	25	21.71	21.69	21.56	24	1
10	16QAM	50	0	21.69	21.92	21.54		
Channel				26715	26865	27015		
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	MPR (dB)
5	QPSK	1	0	24.30	24.39	24.19	25	0
5	QPSK	1	12	24.13	24.12	23.90		
5	QPSK	1	24	23.97	24.08	23.91		
5	QPSK	12	0	23.24	23.31	23.04	24	1
5	QPSK	12	7	22.83	22.96	22.88		
5	QPSK	12	13	22.88	22.81	22.89		
5	QPSK	25	0	22.89	22.88	22.69	24	1
5	16QAM	1	0	23.23	23.30	23.23		
5	16QAM	1	12	23.12	23.23	22.89		
5	16QAM	1	24	22.93	23.21	22.85	23	2
5	16QAM	12	0	21.94	22.06	22.07		
5	16QAM	12	7	21.76	21.80	21.65		
5	16QAM	12	13	21.59	21.83	21.68	24	1
5	16QAM	25	0	21.70	21.91	21.60		
Channel				26705	26865	27025		
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	MPR (dB)
3	QPSK	1	0	24.21	24.22	24.17	25	0
3	QPSK	1	8	24.15	24.17	23.90		
3	QPSK	1	14	23.90	24.19	23.91		
3	QPSK	8	0	23.15	23.23	23.16	24	1
3	QPSK	8	4	22.90	22.91	22.93		
3	QPSK	8	7	22.78	22.87	22.90		
3	QPSK	15	0	22.83	22.85	22.85	24	1
3	16QAM	1	0	23.17	23.36	23.26		
3	16QAM	1	8	23.16	23.10	22.88		
3	16QAM	1	14	22.91	23.22	22.92	23	2
3	16QAM	8	0	21.97	22.11	22.12		
3	16QAM	8	4	21.81	22.00	21.72		
3	16QAM	8	7	21.70	21.65	21.64	24	1
3	16QAM	15	0	21.81	21.91	21.68		
Channel				26697	26865	27033		
Frequency (MHz)				814.7	831.5	845.3	Tune-up limit (dBm)	MPR (dB)
1.4	QPSK	1	0	24.12	24.23	24.22	25	0
1.4	QPSK	1	3	23.96	24.10	23.94		
1.4	QPSK	1	5	23.97	24.17	23.83		
1.4	QPSK	3	0	24.17	24.27	24.18	24	1
1.4	QPSK	3	1	23.98	24.16	23.93		
1.4	QPSK	3	3	24.00	24.05	23.84		
1.4	QPSK	6	0	22.86	22.89	22.78	24	1
1.4	16QAM	1	0	23.27	23.34	23.27		
1.4	16QAM	1	3	23.09	23.17	22.97		
1.4	16QAM	1	5	23.09	23.10	22.90	24	1
1.4	16QAM	3	0	23.20	23.24	23.27		
1.4	16QAM	3	1	23.02	23.13	22.92		
1.4	16QAM	3	3	23.01	23.07	22.76	23	2
1.4	16QAM	6	0	21.65	21.88	21.65		

LTE Band 66 Ant1											
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				132072	132322	132572					
Frequency (MHz)				1720	1745	1772.5					
20	QPSK	1	0	24.50	24.62	24.36	25	0			
20	QPSK	1	49	24.39	24.51	24.25					
20	QPSK	1	99	24.44	24.56	24.30					
20	QPSK	50	0	23.29	23.41	23.15					
20	QPSK	50	24	23.26	23.38	23.12	24	1			
20	QPSK	50	50	23.22	23.34	23.08					
20	QPSK	100	0	23.29	23.38	23.15					
20	16QAM	1	0	23.57	23.49	23.23					
20	16QAM	1	49	23.42	23.54	23.28	24	1			
20	16QAM	1	99	23.54	23.66	23.40					
20	16QAM	50	0	22.23	22.35	22.09					
20	16QAM	50	24	22.35	22.47	22.21					
20	16QAM	50	50	22.26	22.38	22.12	23	2			
20	16QAM	100	0	22.27	22.39	22.13					
Channel				132047	132322	132597					
Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	0	24.49	24.59	24.35	25	0			
15	QPSK	1	37	24.29	24.33	24.12					
15	QPSK	1	74	24.34	24.55	24.19					
15	QPSK	36	0	23.16	23.31	23.12					
15	QPSK	36	20	23.12	23.15	22.92	24	1			
15	QPSK	36	39	23.11	23.13	22.88					
15	QPSK	75	0	23.15	23.30	23.05					
15	16QAM	1	0	23.19	23.45	23.20					
15	16QAM	1	37	23.29	23.46	23.16	24	1			
15	16QAM	1	74	23.49	23.65	23.24					
15	16QAM	36	0	22.20	22.32	22.06					
15	16QAM	36	20	22.28	22.30	22.15					
15	16QAM	36	39	22.24	22.26	21.94	23	2			
15	16QAM	75	0	22.25	22.16	22.07					
Channel				132022	132322	132622					
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	0	24.50	24.48	24.17	25	0			
10	QPSK	1	25	24.22	24.33	24.13					
10	QPSK	1	49	24.25	24.47	24.12					
10	QPSK	25	0	23.21	23.19	23.14					
10	QPSK	25	12	23.16	23.34	22.88	24	1			
10	QPSK	25	25	23.01	23.20	22.87					
10	QPSK	50	0	23.23	23.33	22.98					
10	16QAM	1	0	23.16	23.34	23.14					
10	16QAM	1	25	23.32	23.41	23.13	24	1			
10	16QAM	1	49	23.45	23.48	23.38					
10	16QAM	25	0	22.12	22.32	21.96					
10	16QAM	25	12	22.26	22.28	22.20					
10	16QAM	25	25	22.25	22.34	21.94	23	2			
10	16QAM	50	0	22.26	22.38	21.97					
Channel				131997	132322	132647					
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	0	24.40	24.53	24.14	25	0			
5	QPSK	1	12	24.39	24.44	24.05					
5	QPSK	1	24	24.24	24.38	24.23					
5	QPSK	12	0	23.11	23.20	22.96					
5	QPSK	12	7	23.08	23.31	22.93	24	1			
5	QPSK	12	13	23.20	23.20	22.92					
5	QPSK	25	0	23.16	23.32	23.00					
5	16QAM	1	0	23.16	23.33	23.17					
5	16QAM	1	12	23.37	23.42	23.20	24	1			
5	16QAM	1	24	23.36	23.66	23.19					
5	16QAM	12	0	22.23	22.23	22.09					
5	16QAM	12	7	22.12	22.23	22.04					
5	16QAM	12	13	22.05	22.27	22.10	23	2			
5	16QAM	25	0	22.12	22.29	21.94					
Channel				131987	132322	132657					
Frequency (MHz)				1711.5	1745	1773.5					
3	QPSK	1	0	24.43	24.42	24.16	25	0			
3	QPSK	1	8	24.22	24.41	24.08					
3	QPSK	1	14	24.38	24.41	24.22					
3	QPSK	8	0	23.08	23.38	23.00					
3	QPSK	8	4	23.11	23.25	22.98	24	1			
3	QPSK	8	7	23.14	23.25	22.99					
3	QPSK	15	0	23.07	23.39	23.06					
3	16QAM	1	0	23.26	23.29	23.18					
3	16QAM	1	8	23.24	23.40	23.28	24	1			
3	16QAM	1	14	23.53	23.60	23.38					
3	16QAM	8	0	22.22	22.13	22.00					
3	16QAM	8	4	22.22	22.30	22.15					
3	16QAM	8	7	22.09	22.15	22.12	23	2			
3	16QAM	15	0	22.12	22.26	22.08					
Channel				131979	132322	132665					
Frequency (MHz)				1710.7	1745	1779.3					
1.4	QPSK	1	0	24.29	24.40	24.32	25	0			
1.4	QPSK	1	3	24.19	24.37	24.02					
1.4	QPSK	1	5	24.24	24.52	24.07					
1.4	QPSK	3	0	24.22	24.22	24.22					
1.4	QPSK	3	1	24.06	24.43	24.12	24	1			
1.4	QPSK	3	3	24.21	24.36	24.21					
1.4	QPSK	6	0	23.19	23.17	23.15					
1.4	16QAM	1	0	23.31	23.40	22.99					
1.4	16QAM	1	3	23.35	23.41	23.10	24	1			
1.4	16QAM	1	5	23.39	23.49	23.34					
1.4	16QAM	3	0	23.19	23.43	23.34					
1.4	16QAM	3	1	23.25	23.41	23.19					
1.4	16QAM	3	3	23.30	23.39	23.24	23	2			
1.4	16QAM	6	0	22.05	22.21	21.94					

LTE Band 71 Ant0											
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				133222	133297	133372					
Frequency (MHz)				670.5	680.5	690.5					
20	QPSK	1	0	23.94	24.03	23.87	25	0			
20	QPSK	1	49	23.76	23.85	23.69					
20	QPSK	1	99	23.66	23.75	23.59					
20	QPSK	50	0	22.92	23.01	22.85					
20	QPSK	50	24	22.85	22.94	22.78	24	1			
20	QPSK	50	50	22.70	22.79	22.63					
20	QPSK	100	0	22.73	22.82	22.66					
20	16QAM	1	0	23.16	23.26	23.12					
20	16QAM	1	49	22.94	23.03	22.87	24	1			
20	16QAM	1	99	22.87	22.96	22.80					
20	16QAM	50	0	21.92	22.01	21.85					
20	16QAM	50	24	21.90	21.96	21.83					
20	16QAM	50	50	21.87	21.96	21.80	23	2			
20	16QAM	100	0	21.77	21.86	21.70					
Channel				133197	133297	133397					
Frequency (MHz)				670.5	680.5	690.5					
15	QPSK	1	0	23.79	23.80	23.81	25	0			
15	QPSK	1	37	23.54	23.65	23.67					
15	QPSK	1	74	23.43	23.61	23.55					
15	QPSK	36	0	22.73	22.78	22.81					
15	QPSK	36	20	22.63	22.92	22.69	24	1			
15	QPSK	36	39	22.57	22.76	22.48					
15	QPSK	75	0	22.71	22.80	22.51					
15	16QAM	1	0	23.02	23.21	22.89					
15	16QAM	1	37	22.83	22.94	22.80	24	1			
15	16QAM	1	74	22.87	22.81	22.76					
15	16QAM	36	0	21.82	21.80	21.80					
15	16QAM	36	20	21.71	21.78	21.62	23	2			
15	16QAM	36	39	21.81	21.94	21.68					
15	16QAM	75	0	21.66	21.73	21.55					
15	16QAM	75	0	21.66	21.73	21.55					
Channel				133172	133297	133422					
Frequency (MHz)				669.5	680.5	691.5					
10	QPSK	1	0	23.74	23.84	23.68	25	0			
10	QPSK	1	25	23.52	23.73	23.64					
10	QPSK	1	49	23.59	23.54	23.41					
10	QPSK	25	0	22.72	22.96	22.69					
10	QPSK	25	12	22.76	22.96	22.61	24	1			
10	QPSK	25	25	22.87	22.83	22.93					
10	QPSK	50	0	22.61	22.59	22.57					
10	16QAM	1	0	23.15	23.13	23.02					
10	16QAM	1	25	22.98	22.86	22.85	24	1			
10	16QAM	1	49	22.70	22.68	22.66					
10	16QAM	25	0	21.88	21.78	21.72					
10	16QAM	25	12	21.87	21.86	21.73					
10	16QAM	25	25	21.78	21.96	21.76	23	2			
10	16QAM	50	0	21.73	21.80	21.55					
10	16QAM	50	0	21.73	21.80	21.55					
Channel				133147	133297	133447					
Frequency (MHz)				666.5	680.5	696.5					
5	QPSK	1	0	23.83	24.02	23.75	25	0			
5	QPSK	1	12	23.68	23.77	23.56					
5	QPSK	1	24	23.60	23.60	23.50					
5	QPSK	12	0	22.88	22.96	22.78					
5	QPSK	12	7	22.79	22.73	22.70	24	1			
5	QPSK	12	13	22.57	22.73	22.62					
5	QPSK	25	0	22.57	22.80	22.45					
5	16QAM	1	0	23.09	23.13	22.96					
5	16QAM	1	12	22.85	22.94	22.76	24	1			
5	16QAM	1	24	22.75	22.86	22.68					
5	16QAM	12	0	21.75	21.86	21.66					
5	16QAM	12	7	21.68	21.80	21.73					
5	16QAM	12	13	21.86	21.85	21.63	23	2			
5	16QAM	25	0	21.70	21.65	21.61					

<2.4GHz WLAN>

2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)		Duty Cycle %
				Limit		
	802.11b 1Mbps	1	2412	20.21	21.50	99.31
		6	2437	20.11	21.50	
		11	2462	19.91	21.50	
	802.11g 6Mbps	1	2412	19.66	21.00	98.29
		6	2437	19.39	21.00	
		11	2462	19.15	21.00	
	802.11n+HT20 MCS0	1	2412	19.44	21.00	98.16
		6	2437	19.24	21.00	
		11	2462	19.15	21.00	

<Bluetooth>

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	16.83	13.74	13.37
	CH 09	2441	18.19	14.43	14.46
	CH 18	2480	17.40	13.92	13.94
	Tune-up Limit		18.50	15.50	15.00

BLE 1M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	
LE	CH 00	2402	16.87	
	CH 18	2440	18.05	
	CH 39	2480	17.06	
	Tune-up Limit		18.50	

BLE 2M

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	
LE	CH 00	2402	16.87	
	CH 18	2440	18.43	
	CH 39	2480	17.79	
	Tune-up Limit		18.50	