

LTE B7-State 12 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.70	22.73	24.00
		MID	QPSK	22.61	22.59	22.76	24.00
		HIGH	QPSK	22.60	22.64	22.63	24.00
	12	LOW	QPSK	21.65	21.55	21.77	23.00
		MID	QPSK	21.60	21.75	21.83	23.00
		HIGH	QPSK	21.72	21.65	21.88	23.00
5	25	LOW	QPSK	21.53	21.53	21.68	23.00
		LOW	Q16	22.11	22.01	22.13	23.00
		MID	Q16	21.96	22.24	22.27	23.00
	12	HIGH	Q16	22.10	22.02	21.77	23.00
		LOW	Q16	20.69	20.56	20.99	22.00
		MID	Q16	20.52	20.65	20.89	22.00
5	25	HIGH	Q16	20.66	20.75	20.60	22.00
		LOW	Q16	20.85	20.61	20.96	22.00
	1	LOW	64QAM	20.38	20.72	20.87	22.00
		MID	64QAM	20.77	20.89	20.90	22.00
		HIGH	64QAM	20.31	20.54	20.85	22.00
	12	LOW	64QAM	19.91	19.86	19.87	21.00
5	25	MID	64QAM	19.79	19.87	20.11	21.00
		HIGH	64QAM	19.65	19.89	19.62	21.00
		LOW	64QAM	19.87	19.75	20.10	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	22.74	22.57	24.00
		MID	QPSK	22.33	22.75	22.69	24.00
		HIGH	QPSK	22.51	22.82	22.54	24.00
	25	LOW	QPSK	21.52	21.46	22.10	23.00
		MID	QPSK	21.75	21.62	22.05	23.00
		HIGH	QPSK	21.44	21.41	21.84	23.00
10	50	LOW	QPSK	21.60	21.72	21.85	23.00
		LOW	Q16	22.28	22.10	22.22	23.00
		MID	Q16	22.12	22.09	21.99	23.00
	25	HIGH	Q16	21.99	22.22	21.97	23.00
		LOW	Q16	20.60	20.49	20.80	22.00
		MID	Q16	20.65	20.75	20.74	22.00
10	50	HIGH	Q16	20.78	20.69	20.83	22.00
		LOW	Q16	20.60	20.75	20.79	22.00
	1	LOW	64QAM	20.36	20.49	20.66	22.00
		MID	64QAM	20.91	20.75	21.01	22.00
		HIGH	64QAM	20.55	20.36	20.58	22.00
	25	LOW	64QAM	19.95	19.80	19.93	21.00
10	50	MID	64QAM	19.73	19.93	20.01	21.00
		HIGH	64QAM	19.59	19.89	19.90	21.00
		LOW	64QAM	19.95	19.65	20.02	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.45	22.65	22.91	24.00
		MID	QPSK	22.61	22.77	22.89	24.00
		HIGH	QPSK	22.67	22.55	22.36	24.00
	36	LOW	QPSK	21.65	21.72	22.03	23.00
		MID	QPSK	21.84	21.82	21.96	23.00
		HIGH	QPSK	21.64	21.61	21.93	23.00
	75	LOW	QPSK	21.77	21.72	21.88	23.00
15	1	LOW	Q16	22.06	21.84	22.16	23.00
		MID	Q16	22.05	22.22	22.03	23.00
		HIGH	Q16	22.14	22.09	22.01	23.00
	36	LOW	Q16	20.60	20.62	20.99	22.00
		MID	Q16	20.52	20.73	20.72	22.00
		HIGH	Q16	20.76	20.52	20.62	22.00
	75	LOW	Q16	20.71	20.71	20.92	22.00
15	1	LOW	64QAM	20.45	20.80	20.83	22.00
		MID	64QAM	20.77	20.56	21.03	22.00
		HIGH	64QAM	20.37	20.58	20.73	22.00
	36	LOW	64QAM	19.99	19.78	20.09	21.00
		MID	64QAM	19.79	19.73	20.05	21.00
		HIGH	64QAM	19.53	19.59	19.70	21.00
	75	LOW	64QAM	20.03	19.69	20.06	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.68	22.63	22.82	24.00
		MID	QPSK	22.56	22.68	22.78	24.00
		HIGH	QPSK	22.58	22.73	22.61	24.00
	50	LOW	QPSK	21.69	21.68	22.01	23.00
		MID	QPSK	21.73	21.71	21.94	23.00
		HIGH	QPSK	21.66	21.65	21.84	23.00
	100	LOW	QPSK	21.73	21.66	21.92	23.00
20	1	LOW	Q16	22.24	22.08	22.29	23.00
		MID	Q16	22.14	22.13	22.23	23.00
		HIGH	Q16	22.10	22.13	22.01	23.00
	50	LOW	Q16	20.75	20.70	20.97	22.00
		MID	Q16	20.75	20.73	20.95	22.00
		HIGH	Q16	20.68	20.71	20.79	22.00
	100	LOW	Q16	20.75	20.71	20.92	22.00
20	1	LOW	64QAM	20.67	20.80	20.91	22.00
		MID	64QAM	20.81	20.79	21.01	22.00
		HIGH	64QAM	20.49	20.48	20.79	22.00
	50	LOW	64QAM	19.97	19.86	20.09	21.00
		MID	64QAM	19.83	19.89	20.13	21.00
		HIGH	64QAM	19.67	19.79	19.80	21.00
	100	LOW	64QAM	19.97	19.85	20.08	21.00

LTE B7-State 16 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.70	22.73	24.00
		MID	QPSK	22.61	22.59	22.76	24.00
		HIGH	QPSK	22.60	22.64	22.63	24.00
	12	LOW	QPSK	21.65	21.55	21.77	23.00
		MID	QPSK	21.60	21.75	21.83	23.00
		HIGH	QPSK	21.72	21.65	21.88	23.00
	25	LOW	QPSK	21.53	21.53	21.68	23.00
5	1	LOW	Q16	22.11	22.01	22.13	23.00
		MID	Q16	21.96	22.24	22.27	23.00
		HIGH	Q16	22.10	22.02	21.77	23.00
	12	LOW	Q16	20.69	20.56	20.99	22.00
		MID	Q16	20.52	20.65	20.89	22.00
		HIGH	Q16	20.66	20.75	20.60	22.00
	25	LOW	Q16	20.85	20.61	20.96	22.00
5	1	LOW	64QAM	20.38	20.72	20.87	22.00
		MID	64QAM	20.77	20.89	20.90	22.00
		HIGH	64QAM	20.31	20.54	20.85	22.00
	12	LOW	64QAM	19.91	19.86	19.87	21.00
		MID	64QAM	19.79	19.87	20.11	21.00
		HIGH	64QAM	19.65	19.89	19.62	21.00
	25	LOW	64QAM	19.87	19.75	20.10	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	22.74	22.57	24.00
		MID	QPSK	22.33	22.75	22.69	24.00
		HIGH	QPSK	22.51	22.82	22.54	24.00
	25	LOW	QPSK	21.52	21.46	22.10	23.00
		MID	QPSK	21.75	21.62	22.05	23.00
		HIGH	QPSK	21.44	21.41	21.84	23.00
	50	LOW	QPSK	21.60	21.72	21.85	23.00
10	1	LOW	Q16	22.28	22.10	22.22	23.00
		MID	Q16	22.12	22.09	21.99	23.00
		HIGH	Q16	21.99	22.22	21.97	23.00
	25	LOW	Q16	20.60	20.49	20.80	22.00
		MID	Q16	20.65	20.75	20.74	22.00
		HIGH	Q16	20.78	20.69	20.83	22.00
	50	LOW	Q16	20.60	20.75	20.79	22.00
10	1	LOW	64QAM	20.36	20.49	20.66	22.00
		MID	64QAM	20.91	20.75	21.01	22.00
		HIGH	64QAM	20.55	20.36	20.58	22.00
	25	LOW	64QAM	19.95	19.80	19.93	21.00
		MID	64QAM	19.73	19.93	20.01	21.00
		HIGH	64QAM	19.59	19.89	19.90	21.00
	50	LOW	64QAM	19.95	19.65	20.02	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.45	22.65	22.91	24.00
		MID	QPSK	22.61	22.77	22.89	24.00
		HIGH	QPSK	22.67	22.55	22.36	24.00
	36	LOW	QPSK	21.65	21.72	22.03	23.00
		MID	QPSK	21.84	21.82	21.96	23.00
		HIGH	QPSK	21.64	21.61	21.93	23.00
	75	LOW	QPSK	21.77	21.72	21.88	23.00
15	1	LOW	Q16	22.06	21.84	22.16	23.00
		MID	Q16	22.05	22.22	22.03	23.00
		HIGH	Q16	22.14	22.09	22.01	23.00
	36	LOW	Q16	20.60	20.62	20.99	22.00
		MID	Q16	20.52	20.73	20.72	22.00
		HIGH	Q16	20.76	20.52	20.62	22.00
	75	LOW	Q16	20.71	20.71	20.92	22.00
15	1	LOW	64QAM	20.45	20.80	20.83	22.00
		MID	64QAM	20.77	20.56	21.03	22.00
		HIGH	64QAM	20.37	20.58	20.73	22.00
	36	LOW	64QAM	19.99	19.78	20.09	21.00
		MID	64QAM	19.79	19.73	20.05	21.00
		HIGH	64QAM	19.53	19.59	19.70	21.00
	75	LOW	64QAM	20.03	19.69	20.06	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.68	22.63	22.82	24.00
		MID	QPSK	22.56	22.68	22.78	24.00
		HIGH	QPSK	22.58	22.73	22.61	24.00
	50	LOW	QPSK	21.69	21.68	22.01	23.00
		MID	QPSK	21.73	21.71	21.94	23.00
		HIGH	QPSK	21.66	21.65	21.84	23.00
	100	LOW	QPSK	21.73	21.66	21.92	23.00
20	1	LOW	Q16	22.24	22.08	22.29	23.00
		MID	Q16	22.14	22.13	22.23	23.00
		HIGH	Q16	22.10	22.13	22.01	23.00
	50	LOW	Q16	20.75	20.70	20.97	22.00
		MID	Q16	20.75	20.73	20.95	22.00
		HIGH	Q16	20.68	20.71	20.79	22.00
	100	LOW	Q16	20.75	20.71	20.92	22.00
20	1	LOW	64QAM	20.67	20.80	20.91	22.00
		MID	64QAM	20.81	20.79	21.01	22.00
		HIGH	64QAM	20.49	20.48	20.79	22.00
	50	LOW	64QAM	19.97	19.86	20.09	21.00
		MID	64QAM	19.83	19.89	20.13	21.00
		HIGH	64QAM	19.67	19.79	19.80	21.00
	100	LOW	64QAM	19.97	19.85	20.08	21.00

LTE B7-State 18 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.70	22.73	24.00
		MID	QPSK	22.61	22.59	22.76	24.00
		HIGH	QPSK	22.60	22.64	22.63	24.00
	12	LOW	QPSK	21.65	21.55	21.77	23.00
		MID	QPSK	21.60	21.75	21.83	23.00
		HIGH	QPSK	21.72	21.65	21.88	23.00
	25	LOW	QPSK	21.53	21.53	21.68	23.00
5	1	LOW	Q16	22.11	22.01	22.13	23.00
		MID	Q16	21.96	22.24	22.27	23.00
		HIGH	Q16	22.10	22.02	21.77	23.00
	12	LOW	Q16	20.69	20.56	20.99	22.00
		MID	Q16	20.52	20.65	20.89	22.00
		HIGH	Q16	20.66	20.75	20.60	22.00
	25	LOW	Q16	20.85	20.61	20.96	22.00
5	1	LOW	64QAM	20.38	20.72	20.87	22.00
		MID	64QAM	20.77	20.89	20.90	22.00
		HIGH	64QAM	20.31	20.54	20.85	22.00
	12	LOW	64QAM	19.91	19.86	19.87	21.00
		MID	64QAM	19.79	19.87	20.11	21.00
		HIGH	64QAM	19.65	19.89	19.62	21.00
	25	LOW	64QAM	19.87	19.75	20.10	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	22.74	22.57	24.00
		MID	QPSK	22.33	22.75	22.69	24.00
		HIGH	QPSK	22.51	22.82	22.54	24.00
	25	LOW	QPSK	21.52	21.46	22.10	23.00
		MID	QPSK	21.75	21.62	22.05	23.00
		HIGH	QPSK	21.44	21.41	21.84	23.00
	50	LOW	QPSK	21.60	21.72	21.85	23.00
10	1	LOW	Q16	22.28	22.10	22.22	23.00
		MID	Q16	22.12	22.09	21.99	23.00
		HIGH	Q16	21.99	22.22	21.97	23.00
	25	LOW	Q16	20.60	20.49	20.80	22.00
		MID	Q16	20.65	20.75	20.74	22.00
		HIGH	Q16	20.78	20.69	20.83	22.00
	50	LOW	Q16	20.60	20.75	20.79	22.00
10	1	LOW	64QAM	20.36	20.49	20.66	22.00
		MID	64QAM	20.91	20.75	21.01	22.00
		HIGH	64QAM	20.55	20.36	20.58	22.00
	25	LOW	64QAM	19.95	19.80	19.93	21.00
		MID	64QAM	19.73	19.93	20.01	21.00
		HIGH	64QAM	19.59	19.89	19.90	21.00
	50	LOW	64QAM	19.95	19.65	20.02	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.45	22.65	22.91	24.00
		MID	QPSK	22.61	22.77	22.89	24.00
		HIGH	QPSK	22.67	22.55	22.36	24.00
	36	LOW	QPSK	21.65	21.72	22.03	23.00
		MID	QPSK	21.84	21.82	21.96	23.00
		HIGH	QPSK	21.64	21.61	21.93	23.00
	75	LOW	QPSK	21.77	21.72	21.88	23.00
15	1	LOW	Q16	22.06	21.84	22.16	23.00
		MID	Q16	22.05	22.22	22.03	23.00
		HIGH	Q16	22.14	22.09	22.01	23.00
	36	LOW	Q16	20.60	20.62	20.99	22.00
		MID	Q16	20.52	20.73	20.72	22.00
		HIGH	Q16	20.76	20.52	20.62	22.00
	75	LOW	Q16	20.71	20.71	20.92	22.00
15	1	LOW	64QAM	20.45	20.80	20.83	22.00
		MID	64QAM	20.77	20.56	21.03	22.00
		HIGH	64QAM	20.37	20.58	20.73	22.00
	36	LOW	64QAM	19.99	19.78	20.09	21.00
		MID	64QAM	19.79	19.73	20.05	21.00
		HIGH	64QAM	19.53	19.59	19.70	21.00
	75	LOW	64QAM	20.03	19.69	20.06	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.68	22.63	22.82	24.00
		MID	QPSK	22.56	22.68	22.78	24.00
		HIGH	QPSK	22.58	22.73	22.61	24.00
	50	LOW	QPSK	21.69	21.68	22.01	23.00
		MID	QPSK	21.73	21.71	21.94	23.00
		HIGH	QPSK	21.66	21.65	21.84	23.00
	100	LOW	QPSK	21.73	21.66	21.92	23.00
20	1	LOW	Q16	22.24	22.08	22.29	23.00
		MID	Q16	22.14	22.13	22.23	23.00
		HIGH	Q16	22.10	22.13	22.01	23.00
	50	LOW	Q16	20.75	20.70	20.97	22.00
		MID	Q16	20.75	20.73	20.95	22.00
		HIGH	Q16	20.68	20.71	20.79	22.00
	100	LOW	Q16	20.75	20.71	20.92	22.00
20	1	LOW	64QAM	20.67	20.80	20.91	22.00
		MID	64QAM	20.81	20.79	21.01	22.00
		HIGH	64QAM	20.49	20.48	20.79	22.00
	50	LOW	64QAM	19.97	19.86	20.09	21.00
		MID	64QAM	19.83	19.89	20.13	21.00
		HIGH	64QAM	19.67	19.79	19.80	21.00
	100	LOW	64QAM	19.97	19.85	20.08	21.00

LTE B7-State 20 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.70	22.73	24.00
		MID	QPSK	22.61	22.59	22.76	24.00
		HIGH	QPSK	22.60	22.64	22.63	24.00
	12	LOW	QPSK	21.65	21.55	21.77	23.00
		MID	QPSK	21.60	21.75	21.83	23.00
		HIGH	QPSK	21.72	21.65	21.88	23.00
	25	LOW	QPSK	21.53	21.53	21.68	23.00
5	1	LOW	Q16	22.11	22.01	22.13	23.00
		MID	Q16	21.96	22.24	22.27	23.00
		HIGH	Q16	22.10	22.02	21.77	23.00
	12	LOW	Q16	20.69	20.56	20.99	22.00
		MID	Q16	20.52	20.65	20.89	22.00
		HIGH	Q16	20.66	20.75	20.60	22.00
	25	LOW	Q16	20.85	20.61	20.96	22.00
5	1	LOW	64QAM	20.38	20.72	20.87	22.00
		MID	64QAM	20.77	20.89	20.90	22.00
		HIGH	64QAM	20.31	20.54	20.85	22.00
	12	LOW	64QAM	19.91	19.86	19.87	21.00
		MID	64QAM	19.79	19.87	20.11	21.00
		HIGH	64QAM	19.65	19.89	19.62	21.00
	25	LOW	64QAM	19.87	19.75	20.10	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	22.74	22.57	24.00
		MID	QPSK	22.33	22.75	22.69	24.00
		HIGH	QPSK	22.51	22.82	22.54	24.00
	25	LOW	QPSK	21.52	21.46	22.10	23.00
		MID	QPSK	21.75	21.62	22.05	23.00
		HIGH	QPSK	21.44	21.41	21.84	23.00
	50	LOW	QPSK	21.60	21.72	21.85	23.00
10	1	LOW	Q16	22.28	22.10	22.22	23.00
		MID	Q16	22.12	22.09	21.99	23.00
		HIGH	Q16	21.99	22.22	21.97	23.00
	25	LOW	Q16	20.60	20.49	20.80	22.00
		MID	Q16	20.65	20.75	20.74	22.00
		HIGH	Q16	20.78	20.69	20.83	22.00
	50	LOW	Q16	20.60	20.75	20.79	22.00
10	1	LOW	64QAM	20.36	20.49	20.66	22.00
		MID	64QAM	20.91	20.75	21.01	22.00
		HIGH	64QAM	20.55	20.36	20.58	22.00
	25	LOW	64QAM	19.95	19.80	19.93	21.00
		MID	64QAM	19.73	19.93	20.01	21.00
		HIGH	64QAM	19.59	19.89	19.90	21.00
	50	LOW	64QAM	19.95	19.65	20.02	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.45	22.65	22.91	24.00
		MID	QPSK	22.61	22.77	22.89	24.00
		HIGH	QPSK	22.67	22.55	22.36	24.00
	36	LOW	QPSK	21.65	21.72	22.03	23.00
		MID	QPSK	21.84	21.82	21.96	23.00
		HIGH	QPSK	21.64	21.61	21.93	23.00
	75	LOW	QPSK	21.77	21.72	21.88	23.00
15	1	LOW	Q16	22.06	21.84	22.16	23.00
		MID	Q16	22.05	22.22	22.03	23.00
		HIGH	Q16	22.14	22.09	22.01	23.00
	36	LOW	Q16	20.60	20.62	20.99	22.00
		MID	Q16	20.52	20.73	20.72	22.00
		HIGH	Q16	20.76	20.52	20.62	22.00
	75	LOW	Q16	20.71	20.71	20.92	22.00
15	1	LOW	64QAM	20.45	20.80	20.83	22.00
		MID	64QAM	20.77	20.56	21.03	22.00
		HIGH	64QAM	20.37	20.58	20.73	22.00
	36	LOW	64QAM	19.99	19.78	20.09	21.00
		MID	64QAM	19.79	19.73	20.05	21.00
		HIGH	64QAM	19.53	19.59	19.70	21.00
	75	LOW	64QAM	20.03	19.69	20.06	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.68	22.63	22.82	24.00
		MID	QPSK	22.56	22.68	22.78	24.00
		HIGH	QPSK	22.58	22.73	22.61	24.00
	50	LOW	QPSK	21.69	21.68	22.01	23.00
		MID	QPSK	21.73	21.71	21.94	23.00
		HIGH	QPSK	21.66	21.65	21.84	23.00
	100	LOW	QPSK	21.73	21.66	21.92	23.00
20	1	LOW	Q16	22.24	22.08	22.29	23.00
		MID	Q16	22.14	22.13	22.23	23.00
		HIGH	Q16	22.10	22.13	22.01	23.00
	50	LOW	Q16	20.75	20.70	20.97	22.00
		MID	Q16	20.75	20.73	20.95	22.00
		HIGH	Q16	20.68	20.71	20.79	22.00
	100	LOW	Q16	20.75	20.71	20.92	22.00
20	1	LOW	64QAM	20.67	20.80	20.91	22.00
		MID	64QAM	20.81	20.79	21.01	22.00
		HIGH	64QAM	20.49	20.48	20.79	22.00
	50	LOW	64QAM	19.97	19.86	20.09	21.00
		MID	64QAM	19.83	19.89	20.13	21.00
		HIGH	64QAM	19.67	19.79	19.80	21.00
	100	LOW	64QAM	19.97	19.85	20.08	21.00

LTE B7-State 11-Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	20.16	20.36	20.34	22.00
		MID	QPSK	20.00	20.26	20.15	22.00
		HIGH	QPSK	20.01	20.18	20.32	22.00
	12	LOW	QPSK	20.17	20.36	20.46	22.00
		MID	QPSK	20.46	20.18	20.37	22.00
		HIGH	QPSK	20.27	20.24	20.19	22.00
	25	LOW	QPSK	20.38	20.20	20.52	22.00
5	1	LOW	Q16	20.53	20.51	20.40	22.00
		MID	Q16	20.36	20.44	20.42	22.00
		HIGH	Q16	20.41	20.43	20.23	22.00
	12	LOW	Q16	20.31	20.15	20.35	22.00
		MID	Q16	20.33	20.36	20.27	22.00
		HIGH	Q16	20.38	20.24	20.44	22.00
	25	LOW	Q16	20.46	20.18	20.29	22.00
5	1	LOW	64QAM	20.45	20.31	20.26	22.00
		MID	64QAM	20.35	20.62	20.49	22.00
		HIGH	64QAM	20.29	20.55	20.30	22.00
	12	LOW	64QAM	19.27	19.24	19.52	21.00
		MID	64QAM	19.18	19.42	19.34	21.00
		HIGH	64QAM	19.32	19.41	19.46	21.00
	25	LOW	64QAM	19.29	19.26	19.23	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	20.28	20.20	20.38	22.00
		MID	QPSK	20.08	20.32	20.17	22.00
		HIGH	QPSK	20.23	20.26	20.28	22.00
	25	LOW	QPSK	20.21	20.20	20.50	22.00
		MID	QPSK	20.46	20.26	20.41	22.00
		HIGH	QPSK	20.11	20.16	20.19	22.00
	50	LOW	QPSK	20.20	20.26	20.22	22.00
10	1	LOW	Q16	20.68	20.53	20.45	22.00
		MID	Q16	20.46	20.60	20.38	22.00
		HIGH	Q16	20.35	20.41	20.49	22.00
	25	LOW	Q16	20.23	20.37	20.51	22.00
		MID	Q16	20.41	20.40	20.31	22.00
		HIGH	Q16	20.26	20.18	20.18	22.00
	50	LOW	Q16	20.42	20.44	20.41	22.00
10	1	LOW	64QAM	20.69	20.44	20.38	22.00
		MID	64QAM	20.37	20.51	20.43	22.00
		HIGH	64QAM	20.33	20.37	20.32	22.00
	25	LOW	64QAM	19.40	19.11	19.48	21.00
		MID	64QAM	19.22	19.24	19.32	21.00
		HIGH	64QAM	19.27	19.33	19.28	21.00
	50	LOW	64QAM	19.54	19.16	19.43	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	20.30	20.20	20.14	22.00
		MID	QPSK	20.16	20.06	20.41	22.00
		HIGH	QPSK	20.15	20.10	20.38	22.00
	36	LOW	QPSK	20.11	20.08	20.24	22.00
		MID	QPSK	20.28	20.24	20.15	22.00
		HIGH	QPSK	20.11	20.44	20.17	22.00
	75	LOW	QPSK	20.22	20.10	20.36	22.00
15	1	LOW	Q16	20.53	20.41	20.51	22.00
		MID	Q16	20.32	20.35	20.58	22.00
		HIGH	Q16	20.63	20.37	20.21	22.00
	36	LOW	Q16	20.29	20.33	20.31	22.00
		MID	Q16	20.19	20.16	20.39	22.00
		HIGH	Q16	20.08	20.36	20.28	22.00
	75	LOW	Q16	20.44	20.14	20.51	22.00
15	1	LOW	64QAM	20.63	20.54	20.30	22.00
		MID	64QAM	20.53	20.38	20.61	22.00
		HIGH	64QAM	20.41	20.49	20.20	22.00
	36	LOW	64QAM	19.46	19.36	19.38	21.00
		MID	64QAM	19.13	19.36	19.42	21.00
		HIGH	64QAM	19.46	19.20	19.26	21.00
	75	LOW	64QAM	19.30	19.30	19.39	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	20.36	20.30	20.28	22.00
		MID	QPSK	20.22	20.28	20.37	22.00
		HIGH	QPSK	20.17	20.16	20.44	22.00
	50	LOW	QPSK	20.29	20.28	20.42	22.00
		MID	QPSK	20.36	20.34	20.37	22.00
		HIGH	QPSK	20.29	20.36	20.37	22.00
	100	LOW	QPSK	20.42	20.30	20.42	22.00
20	1	LOW	Q16	20.70	20.47	20.61	22.00
		MID	Q16	20.42	20.58	20.54	22.00
		HIGH	Q16	20.53	20.39	20.39	22.00
	50	LOW	Q16	20.37	20.33	20.41	22.00
		MID	Q16	20.39	20.36	20.45	22.00
		HIGH	Q16	20.30	20.38	20.34	22.00
	100	LOW	Q16	20.46	20.34	20.41	22.00
20	1	LOW	64QAM	20.59	20.54	20.46	22.00
		MID	64QAM	20.43	20.70	20.59	22.00
		HIGH	64QAM	20.41	20.47	20.26	22.00
	50	LOW	64QAM	19.44	19.28	19.52	21.00
		MID	64QAM	19.30	19.32	19.44	21.00
		HIGH	64QAM	19.44	19.39	19.42	21.00
	100	LOW	64QAM	19.48	19.22	19.33	21.00

LTE B7-State 15 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	20.16	20.36	20.34	22.00
		MID	QPSK	20.00	20.26	20.15	22.00
		HIGH	QPSK	20.01	20.18	20.32	22.00
	12	LOW	QPSK	20.17	20.36	20.46	22.00
		MID	QPSK	20.46	20.18	20.37	22.00
		HIGH	QPSK	20.27	20.24	20.19	22.00
	25	LOW	QPSK	20.38	20.20	20.52	22.00
5	1	LOW	Q16	20.53	20.51	20.40	22.00
		MID	Q16	20.36	20.44	20.42	22.00
		HIGH	Q16	20.41	20.43	20.23	22.00
	12	LOW	Q16	20.31	20.15	20.35	22.00
		MID	Q16	20.33	20.36	20.27	22.00
		HIGH	Q16	20.38	20.24	20.44	22.00
	25	LOW	Q16	20.46	20.18	20.29	22.00
5	1	LOW	64QAM	20.45	20.31	20.26	22.00
		MID	64QAM	20.35	20.62	20.49	22.00
		HIGH	64QAM	20.29	20.55	20.30	22.00
	12	LOW	64QAM	19.27	19.24	19.52	21.00
		MID	64QAM	19.18	19.42	19.34	21.00
		HIGH	64QAM	19.32	19.41	19.46	21.00
	25	LOW	64QAM	19.29	19.26	19.23	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	20.28	20.20	20.38	22.00
		MID	QPSK	20.08	20.32	20.17	22.00
		HIGH	QPSK	20.23	20.26	20.28	22.00
	25	LOW	QPSK	20.21	20.20	20.50	22.00
		MID	QPSK	20.46	20.26	20.41	22.00
		HIGH	QPSK	20.11	20.16	20.19	22.00
	50	LOW	QPSK	20.20	20.26	20.22	22.00
10	1	LOW	Q16	20.68	20.53	20.45	22.00
		MID	Q16	20.46	20.60	20.38	22.00
		HIGH	Q16	20.35	20.41	20.49	22.00
	25	LOW	Q16	20.23	20.37	20.51	22.00
		MID	Q16	20.41	20.40	20.31	22.00
		HIGH	Q16	20.26	20.18	20.18	22.00
	50	LOW	Q16	20.42	20.44	20.41	22.00
10	1	LOW	64QAM	20.69	20.44	20.38	22.00
		MID	64QAM	20.37	20.51	20.43	22.00
		HIGH	64QAM	20.33	20.37	20.32	22.00
	25	LOW	64QAM	19.40	19.11	19.48	21.00
		MID	64QAM	19.22	19.24	19.32	21.00
		HIGH	64QAM	19.27	19.33	19.28	21.00
	50	LOW	64QAM	19.54	19.16	19.43	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	20.30	20.20	20.14	22.00
		MID	QPSK	20.16	20.06	20.41	22.00
		HIGH	QPSK	20.15	20.10	20.38	22.00
	36	LOW	QPSK	20.11	20.08	20.24	22.00
		MID	QPSK	20.28	20.24	20.15	22.00
		HIGH	QPSK	20.11	20.44	20.17	22.00
	75	LOW	QPSK	20.22	20.10	20.36	22.00
15	1	LOW	Q16	20.53	20.41	20.51	22.00
		MID	Q16	20.32	20.35	20.58	22.00
		HIGH	Q16	20.63	20.37	20.21	22.00
	36	LOW	Q16	20.29	20.33	20.31	22.00
		MID	Q16	20.19	20.16	20.39	22.00
		HIGH	Q16	20.08	20.36	20.28	22.00
	75	LOW	Q16	20.44	20.14	20.51	22.00
15	1	LOW	64QAM	20.63	20.54	20.30	22.00
		MID	64QAM	20.53	20.38	20.61	22.00
		HIGH	64QAM	20.41	20.49	20.20	22.00
	36	LOW	64QAM	19.46	19.36	19.38	21.00
		MID	64QAM	19.13	19.36	19.42	21.00
		HIGH	64QAM	19.46	19.20	19.26	21.00
	75	LOW	64QAM	19.30	19.30	19.39	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	20.36	20.30	20.28	22.00
		MID	QPSK	20.22	20.28	20.37	22.00
		HIGH	QPSK	20.17	20.16	20.44	22.00
	50	LOW	QPSK	20.29	20.28	20.42	22.00
		MID	QPSK	20.36	20.34	20.37	22.00
		HIGH	QPSK	20.29	20.36	20.37	22.00
	100	LOW	QPSK	20.42	20.30	20.42	22.00
20	1	LOW	Q16	20.70	20.47	20.61	22.00
		MID	Q16	20.42	20.58	20.54	22.00
		HIGH	Q16	20.53	20.39	20.39	22.00
	50	LOW	Q16	20.37	20.33	20.41	22.00
		MID	Q16	20.39	20.36	20.45	22.00
		HIGH	Q16	20.30	20.38	20.34	22.00
	100	LOW	Q16	20.46	20.34	20.41	22.00
20	1	LOW	64QAM	20.59	20.54	20.46	22.00
		MID	64QAM	20.43	20.70	20.59	22.00
		HIGH	64QAM	20.41	20.47	20.26	22.00
	50	LOW	64QAM	19.44	19.28	19.52	21.00
		MID	64QAM	19.30	19.32	19.44	21.00
		HIGH	64QAM	19.44	19.39	19.42	21.00
	100	LOW	64QAM	19.48	19.22	19.33	21.00

LTE B7-State 17 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	19.41	19.20	19.52	21.00
		MID	QPSK	19.35	19.21	19.18	21.00
		HIGH	QPSK	19.01	19.14	19.26	21.00
	12	LOW	QPSK	19.29	19.26	19.41	21.00
		MID	QPSK	19.19	19.40	19.32	21.00
		HIGH	QPSK	19.42	19.30	19.26	21.00
5	1	LOW	QPSK	19.25	19.44	19.26	21.00
	12	LOW	Q16	19.66	19.52	19.58	21.00
		MID	Q16	19.30	19.52	19.43	21.00
		HIGH	Q16	19.37	19.51	19.24	21.00
	25	LOW	Q16	19.51	19.46	19.33	21.00
		MID	Q16	19.40	19.23	19.46	21.00
5	1	LOW	Q16	19.10	19.52	19.33	21.00
	12	LOW	Q16	19.56	19.53	19.42	21.00
		MID	64QAM	19.58	19.60	19.25	21.00
		HIGH	64QAM	19.33	19.46	19.53	21.00
	25	LOW	64QAM	19.37	19.39	19.35	21.00
		MID	64QAM	19.17	19.24	19.16	21.00
5	1	LOW	64QAM	19.30	19.30	19.40	21.00
		MID	64QAM	19.16	19.07	19.04	21.00
		HIGH	64QAM	19.15	19.19	19.38	21.00
	25	LOW	64QAM	19.15	19.19	19.38	21.00
	50	LOW	QPSK	19.31	19.39	19.56	21.00
		MID	QPSK	19.17	19.26	19.43	21.00
10	1	LOW	QPSK	19.03	19.35	19.20	21.00
		MID	QPSK	19.37	19.38	19.45	21.00
		HIGH	QPSK	19.19	19.34	19.34	21.00
	25	LOW	QPSK	19.42	19.36	19.19	21.00
		MID	QPSK	19.37	19.44	19.21	21.00
		HIGH	QPSK	19.37	19.37	19.21	21.00
10	1	LOW	Q16	19.66	19.56	19.74	21.00
		MID	Q16	19.28	19.68	19.49	21.00
		HIGH	Q16	19.27	19.53	19.22	21.00
	25	LOW	Q16	19.49	19.36	19.55	21.00
		MID	Q16	19.46	19.34	19.36	21.00
		HIGH	Q16	19.29	19.42	19.31	21.00
10	1	LOW	Q16	19.27	19.53	19.54	21.00
	25	LOW	64QAM	19.56	19.32	19.34	21.00
		MID	64QAM	19.45	19.40	19.67	21.00
		HIGH	64QAM	19.16	19.37	19.39	21.00
	50	LOW	64QAM	19.23	19.10	19.41	21.00
		MID	64QAM	19.10	19.15	19.32	21.00
		HIGH	64QAM	19.13	19.26	19.03	21.00
10	1	LOW	64QAM	19.07	19.10	19.20	21.00
	25	LOW	64QAM	19.07	19.10	19.20	21.00
		MID	64QAM	19.07	19.10	19.20	21.00
	50	LOW	64QAM	19.07	19.10	19.20	21.00
		MID	64QAM	19.07	19.10	19.20	21.00
		HIGH	64QAM	19.07	19.10	19.20	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	19.27	19.37	19.25	21.00
		MID	QPSK	19.12	19.44	19.47	21.00
		HIGH	QPSK	19.24	19.23	19.20	21.00
	36	LOW	QPSK	19.24	19.42	19.27	21.00
		MID	QPSK	19.34	19.42	19.26	21.00
		HIGH	QPSK	19.24	19.48	19.44	21.00
75	LOW	QPSK	19.31	19.36	19.36	21.00	
15	1	LOW	Q16	19.50	19.64	19.56	21.00
		MID	Q16	19.47	19.64	19.47	21.00
		HIGH	Q16	19.53	19.67	19.39	21.00
	36	LOW	Q16	19.51	19.28	19.49	21.00
		MID	Q16	19.42	19.25	19.48	21.00
		HIGH	Q16	19.37	19.52	19.29	21.00
75	LOW	Q16	19.52	19.53	19.23	21.00	
15	1	LOW	64QAM	19.32	19.36	19.54	21.00
		MID	64QAM	19.20	19.54	19.65	21.00
		HIGH	64QAM	19.39	19.45	19.49	21.00
	36	LOW	64QAM	19.13	19.05	19.29	21.00
		MID	64QAM	19.32	19.11	19.17	21.00
		HIGH	64QAM	19.03	19.30	19.05	21.00
75	LOW	64QAM	19.28	19.27	19.22	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	19.45	19.41	19.46	21.00
		MID	QPSK	19.29	19.36	19.37	21.00
		HIGH	QPSK	19.18	19.31	19.24	21.00
	50	LOW	QPSK	19.41	19.42	19.45	21.00
		MID	QPSK	19.40	19.44	19.40	21.00
		HIGH	QPSK	19.34	19.38	19.34	21.00
100	LOW	QPSK	19.41	19.42	19.38	21.00	
20	1	LOW	Q16	19.68	19.78	19.66	21.00
		MID	Q16	19.49	19.72	19.57	21.00
		HIGH	Q16	19.45	19.57	19.41	21.00
	50	LOW	Q16	19.43	19.46	19.47	21.00
		MID	Q16	19.42	19.44	19.46	21.00
		HIGH	Q16	19.31	19.46	19.39	21.00
100	LOW	Q16	19.48	19.45	19.44	21.00	
20	1	LOW	64QAM	19.52	19.50	19.46	21.00
		MID	64QAM	19.39	19.48	19.57	21.00
		HIGH	64QAM	19.33	19.49	19.39	21.00
	50	LOW	64QAM	19.13	19.18	19.31	21.00
		MID	64QAM	19.22	19.32	19.36	21.00
		HIGH	64QAM	19.01	19.24	19.13	21.00
100	LOW	64QAM	19.28	19.31	19.32	21.00	

LTE B7-State 19 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	19.41	19.20	19.52	21.00
		MID	QPSK	19.35	19.21	19.18	21.00
		HIGH	QPSK	19.01	19.14	19.26	21.00
	12	LOW	QPSK	19.29	19.26	19.41	21.00
		MID	QPSK	19.19	19.40	19.32	21.00
		HIGH	QPSK	19.42	19.30	19.26	21.00
	25	LOW	QPSK	19.25	19.44	19.26	21.00
5	1	LOW	Q16	19.66	19.52	19.58	21.00
		MID	Q16	19.30	19.52	19.43	21.00
		HIGH	Q16	19.37	19.51	19.24	21.00
	12	LOW	Q16	19.51	19.46	19.33	21.00
		MID	Q16	19.40	19.23	19.46	21.00
		HIGH	Q16	19.10	19.52	19.33	21.00
	25	LOW	Q16	19.56	19.53	19.42	21.00
5	1	LOW	64QAM	19.58	19.60	19.25	21.00
		MID	64QAM	19.33	19.46	19.53	21.00
		HIGH	64QAM	19.37	19.39	19.35	21.00
	12	LOW	64QAM	19.17	19.24	19.16	21.00
		MID	64QAM	19.30	19.30	19.40	21.00
		HIGH	64QAM	19.16	19.07	19.04	21.00
	25	LOW	64QAM	19.15	19.19	19.38	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	19.31	19.39	19.56	21.00
		MID	QPSK	19.17	19.26	19.43	21.00
		HIGH	QPSK	19.03	19.35	19.20	21.00
	25	LOW	QPSK	19.37	19.38	19.45	21.00
		MID	QPSK	19.19	19.34	19.34	21.00
		HIGH	QPSK	19.42	19.36	19.19	21.00
	50	LOW	QPSK	19.37	19.44	19.21	21.00
10	1	LOW	Q16	19.66	19.56	19.74	21.00
		MID	Q16	19.28	19.68	19.49	21.00
		HIGH	Q16	19.27	19.53	19.22	21.00
	25	LOW	Q16	19.49	19.36	19.55	21.00
		MID	Q16	19.46	19.34	19.36	21.00
		HIGH	Q16	19.29	19.42	19.31	21.00
	50	LOW	Q16	19.27	19.53	19.54	21.00
10	1	LOW	64QAM	19.56	19.32	19.34	21.00
		MID	64QAM	19.45	19.40	19.67	21.00
		HIGH	64QAM	19.16	19.37	19.39	21.00
	25	LOW	64QAM	19.23	19.10	19.41	21.00
		MID	64QAM	19.10	19.15	19.32	21.00
		HIGH	64QAM	19.13	19.26	19.03	21.00
	50	LOW	64QAM	19.07	19.10	19.20	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	19.27	19.37	19.25	21.00
		MID	QPSK	19.12	19.44	19.47	21.00
		HIGH	QPSK	19.24	19.23	19.20	21.00
	36	LOW	QPSK	19.24	19.42	19.27	21.00
		MID	QPSK	19.34	19.42	19.26	21.00
		HIGH	QPSK	19.24	19.48	19.44	21.00
75	LOW	QPSK	19.31	19.36	19.36	21.00	
15	1	LOW	Q16	19.50	19.64	19.56	21.00
		MID	Q16	19.47	19.64	19.47	21.00
		HIGH	Q16	19.53	19.67	19.39	21.00
	36	LOW	Q16	19.51	19.28	19.49	21.00
		MID	Q16	19.42	19.25	19.48	21.00
		HIGH	Q16	19.37	19.52	19.29	21.00
75	LOW	Q16	19.52	19.53	19.23	21.00	
15	1	LOW	64QAM	19.32	19.36	19.54	21.00
		MID	64QAM	19.20	19.54	19.65	21.00
		HIGH	64QAM	19.39	19.45	19.49	21.00
	36	LOW	64QAM	19.13	19.05	19.29	21.00
		MID	64QAM	19.32	19.11	19.17	21.00
		HIGH	64QAM	19.03	19.30	19.05	21.00
75	LOW	64QAM	19.28	19.27	19.22	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	19.45	19.41	19.46	21.00
		MID	QPSK	19.29	19.36	19.37	21.00
		HIGH	QPSK	19.18	19.31	19.24	21.00
	50	LOW	QPSK	19.41	19.42	19.45	21.00
		MID	QPSK	19.40	19.44	19.40	21.00
		HIGH	QPSK	19.34	19.38	19.34	21.00
100	LOW	QPSK	19.41	19.42	19.38	21.00	
20	1	LOW	Q16	19.68	19.78	19.66	21.00
		MID	Q16	19.49	19.72	19.57	21.00
		HIGH	Q16	19.45	19.57	19.41	21.00
	50	LOW	Q16	19.43	19.46	19.47	21.00
		MID	Q16	19.42	19.44	19.46	21.00
		HIGH	Q16	19.31	19.46	19.39	21.00
100	LOW	Q16	19.48	19.45	19.44	21.00	
20	1	LOW	64QAM	19.52	19.50	19.46	21.00
		MID	64QAM	19.39	19.48	19.57	21.00
		HIGH	64QAM	19.33	19.49	19.39	21.00
	50	LOW	64QAM	19.13	19.18	19.31	21.00
		MID	64QAM	19.22	19.32	19.36	21.00
		HIGH	64QAM	19.01	19.24	19.13	21.00
100	LOW	64QAM	19.28	19.31	19.32	21.00	

LTE B7-State 12 -Ant.0(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.70	22.73	24.00
		MID	QPSK	22.61	22.59	22.76	24.00
		HIGH	QPSK	22.60	22.64	22.63	24.00
	12	LOW	QPSK	21.65	21.55	21.77	23.00
		MID	QPSK	21.60	21.75	21.83	23.00
		HIGH	QPSK	21.72	21.65	21.88	23.00
	25	LOW	QPSK	21.53	21.53	21.68	23.00
5	1	LOW	Q16	22.11	22.01	22.13	23.00
		MID	Q16	21.96	22.24	22.27	23.00
		HIGH	Q16	22.10	22.02	21.77	23.00
	12	LOW	Q16	20.69	20.56	20.99	22.00
		MID	Q16	20.52	20.65	20.89	22.00
		HIGH	Q16	20.66	20.75	20.60	22.00
	25	LOW	Q16	20.85	20.61	20.96	22.00
5	1	LOW	64QAM	20.38	20.72	20.87	22.00
		MID	64QAM	20.77	20.89	20.90	22.00
		HIGH	64QAM	20.31	20.54	20.85	22.00
	12	LOW	64QAM	19.91	19.86	19.87	21.00
		MID	64QAM	19.79	19.87	20.11	21.00
		HIGH	64QAM	19.65	19.89	19.62	21.00
	25	LOW	64QAM	19.87	19.75	20.10	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	22.74	22.57	24.00
		MID	QPSK	22.33	22.75	22.69	24.00
		HIGH	QPSK	22.51	22.82	22.54	24.00
	25	LOW	QPSK	21.52	21.46	22.10	23.00
		MID	QPSK	21.75	21.62	22.05	23.00
		HIGH	QPSK	21.44	21.41	21.84	23.00
	50	LOW	QPSK	21.60	21.72	21.85	23.00
10	1	LOW	Q16	22.28	22.10	22.22	23.00
		MID	Q16	22.12	22.09	21.99	23.00
		HIGH	Q16	21.99	22.22	21.97	23.00
	25	LOW	Q16	20.60	20.49	20.80	22.00
		MID	Q16	20.65	20.75	20.74	22.00
		HIGH	Q16	20.78	20.69	20.83	22.00
	50	LOW	Q16	20.60	20.75	20.79	22.00
10	1	LOW	64QAM	20.36	20.49	20.66	22.00
		MID	64QAM	20.91	20.75	21.01	22.00
		HIGH	64QAM	20.55	20.36	20.58	22.00
	25	LOW	64QAM	19.95	19.80	19.93	21.00
		MID	64QAM	19.73	19.93	20.01	21.00
		HIGH	64QAM	19.59	19.89	19.90	21.00
	50	LOW	64QAM	19.95	19.65	20.02	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.45	22.65	22.91	24.00
		MID	QPSK	22.61	22.77	22.89	24.00
		HIGH	QPSK	22.67	22.55	22.36	24.00
	36	LOW	QPSK	21.65	21.72	22.03	23.00
		MID	QPSK	21.84	21.82	21.96	23.00
		HIGH	QPSK	21.64	21.61	21.93	23.00
	75	LOW	QPSK	21.77	21.72	21.88	23.00
15	1	LOW	Q16	22.06	21.84	22.16	23.00
		MID	Q16	22.05	22.22	22.03	23.00
		HIGH	Q16	22.14	22.09	22.01	23.00
	36	LOW	Q16	20.60	20.62	20.99	22.00
		MID	Q16	20.52	20.73	20.72	22.00
		HIGH	Q16	20.76	20.52	20.62	22.00
	75	LOW	Q16	20.71	20.71	20.92	22.00
15	1	LOW	64QAM	20.45	20.80	20.83	22.00
		MID	64QAM	20.77	20.56	21.03	22.00
		HIGH	64QAM	20.37	20.58	20.73	22.00
	36	LOW	64QAM	19.99	19.78	20.09	21.00
		MID	64QAM	19.79	19.73	20.05	21.00
		HIGH	64QAM	19.53	19.59	19.70	21.00
	75	LOW	64QAM	20.03	19.69	20.06	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.68	22.63	22.82	24.00
		MID	QPSK	22.56	22.68	22.78	24.00
		HIGH	QPSK	22.58	22.73	22.61	24.00
	50	LOW	QPSK	21.69	21.68	22.01	23.00
		MID	QPSK	21.73	21.71	21.94	23.00
		HIGH	QPSK	21.66	21.65	21.84	23.00
	100	LOW	QPSK	21.73	21.66	21.92	23.00
20	1	LOW	Q16	22.24	22.08	22.29	23.00
		MID	Q16	22.14	22.13	22.23	23.00
		HIGH	Q16	22.10	22.13	22.01	23.00
	50	LOW	Q16	20.75	20.70	20.97	22.00
		MID	Q16	20.75	20.73	20.95	22.00
		HIGH	Q16	20.68	20.71	20.79	22.00
	100	LOW	Q16	20.75	20.71	20.92	22.00
20	1	LOW	64QAM	20.67	20.80	20.91	22.00
		MID	64QAM	20.81	20.79	21.01	22.00
		HIGH	64QAM	20.49	20.48	20.79	22.00
	50	LOW	64QAM	19.97	19.86	20.09	21.00
		MID	64QAM	19.83	19.89	20.13	21.00
		HIGH	64QAM	19.67	19.79	19.80	21.00
	100	LOW	64QAM	19.97	19.85	20.08	21.00

LTE B7-State 16 -Ant.0(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.70	22.73	24.00
		MID	QPSK	22.61	22.59	22.76	24.00
		HIGH	QPSK	22.60	22.64	22.63	24.00
	12	LOW	QPSK	21.65	21.55	21.77	23.00
		MID	QPSK	21.60	21.75	21.83	23.00
		HIGH	QPSK	21.72	21.65	21.88	23.00
	25	LOW	QPSK	21.53	21.53	21.68	23.00
5	1	LOW	Q16	22.11	22.01	22.13	23.00
		MID	Q16	21.96	22.24	22.27	23.00
		HIGH	Q16	22.10	22.02	21.77	23.00
	12	LOW	Q16	20.69	20.56	20.99	22.00
		MID	Q16	20.52	20.65	20.89	22.00
		HIGH	Q16	20.66	20.75	20.60	22.00
	25	LOW	Q16	20.85	20.61	20.96	22.00
5	1	LOW	64QAM	20.38	20.72	20.87	22.00
		MID	64QAM	20.77	20.89	20.90	22.00
		HIGH	64QAM	20.31	20.54	20.85	22.00
	12	LOW	64QAM	19.91	19.86	19.87	21.00
		MID	64QAM	19.79	19.87	20.11	21.00
		HIGH	64QAM	19.65	19.89	19.62	21.00
	25	LOW	64QAM	19.87	19.75	20.10	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	22.74	22.57	24.00
		MID	QPSK	22.33	22.75	22.69	24.00
		HIGH	QPSK	22.51	22.82	22.54	24.00
	25	LOW	QPSK	21.52	21.46	22.10	23.00
		MID	QPSK	21.75	21.62	22.05	23.00
		HIGH	QPSK	21.44	21.41	21.84	23.00
	50	LOW	QPSK	21.60	21.72	21.85	23.00
10	1	LOW	Q16	22.28	22.10	22.22	23.00
		MID	Q16	22.12	22.09	21.99	23.00
		HIGH	Q16	21.99	22.22	21.97	23.00
	25	LOW	Q16	20.60	20.49	20.80	22.00
		MID	Q16	20.65	20.75	20.74	22.00
		HIGH	Q16	20.78	20.69	20.83	22.00
	50	LOW	Q16	20.60	20.75	20.79	22.00
10	1	LOW	64QAM	20.36	20.49	20.66	22.00
		MID	64QAM	20.91	20.75	21.01	22.00
		HIGH	64QAM	20.55	20.36	20.58	22.00
	25	LOW	64QAM	19.95	19.80	19.93	21.00
		MID	64QAM	19.73	19.93	20.01	21.00
		HIGH	64QAM	19.59	19.89	19.90	21.00
	50	LOW	64QAM	19.95	19.65	20.02	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.45	22.65	22.91	24.00
		MID	QPSK	22.61	22.77	22.89	24.00
		HIGH	QPSK	22.67	22.55	22.36	24.00
	36	LOW	QPSK	21.65	21.72	22.03	23.00
		MID	QPSK	21.84	21.82	21.96	23.00
		HIGH	QPSK	21.64	21.61	21.93	23.00
	75	LOW	QPSK	21.77	21.72	21.88	23.00
15	1	LOW	Q16	22.06	21.84	22.16	23.00
		MID	Q16	22.05	22.22	22.03	23.00
		HIGH	Q16	22.14	22.09	22.01	23.00
	36	LOW	Q16	20.60	20.62	20.99	22.00
		MID	Q16	20.52	20.73	20.72	22.00
		HIGH	Q16	20.76	20.52	20.62	22.00
	75	LOW	Q16	20.71	20.71	20.92	22.00
15	1	LOW	64QAM	20.45	20.80	20.83	22.00
		MID	64QAM	20.77	20.56	21.03	22.00
		HIGH	64QAM	20.37	20.58	20.73	22.00
	36	LOW	64QAM	19.99	19.78	20.09	21.00
		MID	64QAM	19.79	19.73	20.05	21.00
		HIGH	64QAM	19.53	19.59	19.70	21.00
	75	LOW	64QAM	20.03	19.69	20.06	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.68	22.63	22.82	24.00
		MID	QPSK	22.56	22.68	22.78	24.00
		HIGH	QPSK	22.58	22.73	22.61	24.00
	50	LOW	QPSK	21.69	21.68	22.01	23.00
		MID	QPSK	21.73	21.71	21.94	23.00
		HIGH	QPSK	21.66	21.65	21.84	23.00
	100	LOW	QPSK	21.73	21.66	21.92	23.00
20	1	LOW	Q16	22.24	22.08	22.29	23.00
		MID	Q16	22.14	22.13	22.23	23.00
		HIGH	Q16	22.10	22.13	22.01	23.00
	50	LOW	Q16	20.75	20.70	20.97	22.00
		MID	Q16	20.75	20.73	20.95	22.00
		HIGH	Q16	20.68	20.71	20.79	22.00
	100	LOW	Q16	20.75	20.71	20.92	22.00
20	1	LOW	64QAM	20.67	20.80	20.91	22.00
		MID	64QAM	20.81	20.79	21.01	22.00
		HIGH	64QAM	20.49	20.48	20.79	22.00
	50	LOW	64QAM	19.97	19.86	20.09	21.00
		MID	64QAM	19.83	19.89	20.13	21.00
		HIGH	64QAM	19.67	19.79	19.80	21.00
	100	LOW	64QAM	19.97	19.85	20.08	21.00

LTE B7-State 18 -Ant.0(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.70	22.73	24.00
		MID	QPSK	22.61	22.59	22.76	24.00
		HIGH	QPSK	22.60	22.64	22.63	24.00
	12	LOW	QPSK	21.65	21.55	21.77	23.00
		MID	QPSK	21.60	21.75	21.83	23.00
		HIGH	QPSK	21.72	21.65	21.88	23.00
	25	LOW	QPSK	21.53	21.53	21.68	23.00
5	1	LOW	Q16	22.11	22.01	22.13	23.00
		MID	Q16	21.96	22.24	22.27	23.00
		HIGH	Q16	22.10	22.02	21.77	23.00
	12	LOW	Q16	20.69	20.56	20.99	22.00
		MID	Q16	20.52	20.65	20.89	22.00
		HIGH	Q16	20.66	20.75	20.60	22.00
	25	LOW	Q16	20.85	20.61	20.96	22.00
5	1	LOW	64QAM	20.38	20.72	20.87	22.00
		MID	64QAM	20.77	20.89	20.90	22.00
		HIGH	64QAM	20.31	20.54	20.85	22.00
	12	LOW	64QAM	19.91	19.86	19.87	21.00
		MID	64QAM	19.79	19.87	20.11	21.00
		HIGH	64QAM	19.65	19.89	19.62	21.00
	25	LOW	64QAM	19.87	19.75	20.10	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	22.74	22.57	24.00
		MID	QPSK	22.33	22.75	22.69	24.00
		HIGH	QPSK	22.51	22.82	22.54	24.00
	25	LOW	QPSK	21.52	21.46	22.10	23.00
		MID	QPSK	21.75	21.62	22.05	23.00
		HIGH	QPSK	21.44	21.41	21.84	23.00
	50	LOW	QPSK	21.60	21.72	21.85	23.00
10	1	LOW	Q16	22.28	22.10	22.22	23.00
		MID	Q16	22.12	22.09	21.99	23.00
		HIGH	Q16	21.99	22.22	21.97	23.00
	25	LOW	Q16	20.60	20.49	20.80	22.00
		MID	Q16	20.65	20.75	20.74	22.00
		HIGH	Q16	20.78	20.69	20.83	22.00
	50	LOW	Q16	20.60	20.75	20.79	22.00
10	1	LOW	64QAM	20.36	20.49	20.66	22.00
		MID	64QAM	20.91	20.75	21.01	22.00
		HIGH	64QAM	20.55	20.36	20.58	22.00
	25	LOW	64QAM	19.95	19.80	19.93	21.00
		MID	64QAM	19.73	19.93	20.01	21.00
		HIGH	64QAM	19.59	19.89	19.90	21.00
	50	LOW	64QAM	19.95	19.65	20.02	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.45	22.65	22.91	24.00
		MID	QPSK	22.61	22.77	22.89	24.00
		HIGH	QPSK	22.67	22.55	22.36	24.00
	36	LOW	QPSK	21.65	21.72	22.03	23.00
		MID	QPSK	21.84	21.82	21.96	23.00
		HIGH	QPSK	21.64	21.61	21.93	23.00
	75	LOW	QPSK	21.77	21.72	21.88	23.00
15	1	LOW	Q16	22.06	21.84	22.16	23.00
		MID	Q16	22.05	22.22	22.03	23.00
		HIGH	Q16	22.14	22.09	22.01	23.00
	36	LOW	Q16	20.60	20.62	20.99	22.00
		MID	Q16	20.52	20.73	20.72	22.00
		HIGH	Q16	20.76	20.52	20.62	22.00
	75	LOW	Q16	20.71	20.71	20.92	22.00
15	1	LOW	64QAM	20.45	20.80	20.83	22.00
		MID	64QAM	20.77	20.56	21.03	22.00
		HIGH	64QAM	20.37	20.58	20.73	22.00
	36	LOW	64QAM	19.99	19.78	20.09	21.00
		MID	64QAM	19.79	19.73	20.05	21.00
		HIGH	64QAM	19.53	19.59	19.70	21.00
	75	LOW	64QAM	20.03	19.69	20.06	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.68	22.63	22.82	24.00
		MID	QPSK	22.56	22.68	22.78	24.00
		HIGH	QPSK	22.58	22.73	22.61	24.00
	50	LOW	QPSK	21.69	21.68	22.01	23.00
		MID	QPSK	21.73	21.71	21.94	23.00
		HIGH	QPSK	21.66	21.65	21.84	23.00
	100	LOW	QPSK	21.73	21.66	21.92	23.00
20	1	LOW	Q16	22.24	22.08	22.29	23.00
		MID	Q16	22.14	22.13	22.23	23.00
		HIGH	Q16	22.10	22.13	22.01	23.00
	50	LOW	Q16	20.75	20.70	20.97	22.00
		MID	Q16	20.75	20.73	20.95	22.00
		HIGH	Q16	20.68	20.71	20.79	22.00
	100	LOW	Q16	20.75	20.71	20.92	22.00
20	1	LOW	64QAM	20.67	20.80	20.91	22.00
		MID	64QAM	20.81	20.79	21.01	22.00
		HIGH	64QAM	20.49	20.48	20.79	22.00
	50	LOW	64QAM	19.97	19.86	20.09	21.00
		MID	64QAM	19.83	19.89	20.13	21.00
		HIGH	64QAM	19.67	19.79	19.80	21.00
	100	LOW	64QAM	19.97	19.85	20.08	21.00

LTE B7-State 20 -Ant.0(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	22.73	22.70	22.73	24.00
		MID	QPSK	22.61	22.59	22.76	24.00
		HIGH	QPSK	22.60	22.64	22.63	24.00
	12	LOW	QPSK	21.65	21.55	21.77	23.00
		MID	QPSK	21.60	21.75	21.83	23.00
		HIGH	QPSK	21.72	21.65	21.88	23.00
	25	LOW	QPSK	21.53	21.53	21.68	23.00
5	1	LOW	Q16	22.11	22.01	22.13	23.00
		MID	Q16	21.96	22.24	22.27	23.00
		HIGH	Q16	22.10	22.02	21.77	23.00
	12	LOW	Q16	20.69	20.56	20.99	22.00
		MID	Q16	20.52	20.65	20.89	22.00
		HIGH	Q16	20.66	20.75	20.60	22.00
	25	LOW	Q16	20.85	20.61	20.96	22.00
5	1	LOW	64QAM	20.38	20.72	20.87	22.00
		MID	64QAM	20.77	20.89	20.90	22.00
		HIGH	64QAM	20.31	20.54	20.85	22.00
	12	LOW	64QAM	19.91	19.86	19.87	21.00
		MID	64QAM	19.79	19.87	20.11	21.00
		HIGH	64QAM	19.65	19.89	19.62	21.00
	25	LOW	64QAM	19.87	19.75	20.10	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	22.43	22.74	22.57	24.00
		MID	QPSK	22.33	22.75	22.69	24.00
		HIGH	QPSK	22.51	22.82	22.54	24.00
	25	LOW	QPSK	21.52	21.46	22.10	23.00
		MID	QPSK	21.75	21.62	22.05	23.00
		HIGH	QPSK	21.44	21.41	21.84	23.00
	50	LOW	QPSK	21.60	21.72	21.85	23.00
10	1	LOW	Q16	22.28	22.10	22.22	23.00
		MID	Q16	22.12	22.09	21.99	23.00
		HIGH	Q16	21.99	22.22	21.97	23.00
	25	LOW	Q16	20.60	20.49	20.80	22.00
		MID	Q16	20.65	20.75	20.74	22.00
		HIGH	Q16	20.78	20.69	20.83	22.00
	50	LOW	Q16	20.60	20.75	20.79	22.00
10	1	LOW	64QAM	20.36	20.49	20.66	22.00
		MID	64QAM	20.91	20.75	21.01	22.00
		HIGH	64QAM	20.55	20.36	20.58	22.00
	25	LOW	64QAM	19.95	19.80	19.93	21.00
		MID	64QAM	19.73	19.93	20.01	21.00
		HIGH	64QAM	19.59	19.89	19.90	21.00
	50	LOW	64QAM	19.95	19.65	20.02	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	22.45	22.65	22.91	24.00
		MID	QPSK	22.61	22.77	22.89	24.00
		HIGH	QPSK	22.67	22.55	22.36	24.00
	36	LOW	QPSK	21.65	21.72	22.03	23.00
		MID	QPSK	21.84	21.82	21.96	23.00
		HIGH	QPSK	21.64	21.61	21.93	23.00
	75	LOW	QPSK	21.77	21.72	21.88	23.00
15	1	LOW	Q16	22.06	21.84	22.16	23.00
		MID	Q16	22.05	22.22	22.03	23.00
		HIGH	Q16	22.14	22.09	22.01	23.00
	36	LOW	Q16	20.60	20.62	20.99	22.00
		MID	Q16	20.52	20.73	20.72	22.00
		HIGH	Q16	20.76	20.52	20.62	22.00
	75	LOW	Q16	20.71	20.71	20.92	22.00
15	1	LOW	64QAM	20.45	20.80	20.83	22.00
		MID	64QAM	20.77	20.56	21.03	22.00
		HIGH	64QAM	20.37	20.58	20.73	22.00
	36	LOW	64QAM	19.99	19.78	20.09	21.00
		MID	64QAM	19.79	19.73	20.05	21.00
		HIGH	64QAM	19.53	19.59	19.70	21.00
	75	LOW	64QAM	20.03	19.69	20.06	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	22.68	22.63	22.82	24.00
		MID	QPSK	22.56	22.68	22.78	24.00
		HIGH	QPSK	22.58	22.73	22.61	24.00
	50	LOW	QPSK	21.69	21.68	22.01	23.00
		MID	QPSK	21.73	21.71	21.94	23.00
		HIGH	QPSK	21.66	21.65	21.84	23.00
	100	LOW	QPSK	21.73	21.66	21.92	23.00
20	1	LOW	Q16	22.24	22.08	22.29	23.00
		MID	Q16	22.14	22.13	22.23	23.00
		HIGH	Q16	22.10	22.13	22.01	23.00
	50	LOW	Q16	20.75	20.70	20.97	22.00
		MID	Q16	20.75	20.73	20.95	22.00
		HIGH	Q16	20.68	20.71	20.79	22.00
	100	LOW	Q16	20.75	20.71	20.92	22.00
20	1	LOW	64QAM	20.67	20.80	20.91	22.00
		MID	64QAM	20.81	20.79	21.01	22.00
		HIGH	64QAM	20.49	20.48	20.79	22.00
	50	LOW	64QAM	19.97	19.86	20.09	21.00
		MID	64QAM	19.83	19.89	20.13	21.00
		HIGH	64QAM	19.67	19.79	19.80	21.00
	100	LOW	64QAM	19.97	19.85	20.08	21.00

LTE B7-State 11-Ant.0(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	21.51	21.70	21.61	22.50
		MID	QPSK	21.75	21.46	21.81	22.50
		HIGH	QPSK	21.66	21.76	21.61	22.50
	12	LOW	QPSK	21.51	21.73	21.70	22.50
		MID	QPSK	21.58	21.42	21.77	22.50
		HIGH	QPSK	21.73	21.77	21.63	22.50
	25	LOW	QPSK	21.33	21.58	21.82	22.50
5	1	LOW	Q16	21.75	21.34	21.79	22.50
		MID	Q16	21.41	21.52	21.60	22.50
		HIGH	Q16	21.77	21.74	21.44	22.50
	12	LOW	Q16	20.73	20.50	20.79	22.00
		MID	Q16	20.48	20.64	20.96	22.00
		HIGH	Q16	20.71	20.25	20.65	22.00
	25	LOW	Q16	20.44	20.61	21.04	22.00
5	1	LOW	64QAM	20.49	20.57	20.93	22.00
		MID	64QAM	20.49	20.52	20.87	22.00
		HIGH	64QAM	20.19	20.62	20.58	22.00
	12	LOW	64QAM	19.59	19.90	20.15	21.00
		MID	64QAM	19.59	19.65	20.03	21.00
		HIGH	64QAM	19.43	19.65	19.64	21.00
	25	LOW	64QAM	19.89	19.65	19.94	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	21.61	21.74	21.85	22.50
		MID	QPSK	21.42	21.46	21.70	22.50
		HIGH	QPSK	21.51	21.41	21.59	22.50
	25	LOW	QPSK	21.63	21.45	21.75	22.50
		MID	QPSK	21.75	21.57	21.77	22.50
		HIGH	QPSK	21.73	21.69	21.74	22.50
	50	LOW	QPSK	21.37	21.47	21.91	22.50
10	1	LOW	Q16	21.47	21.64	21.64	22.50
		MID	Q16	21.41	21.45	21.49	22.50
		HIGH	Q16	21.72	21.69	21.40	22.50
	25	LOW	Q16	20.73	20.48	20.68	22.00
		MID	Q16	20.29	20.56	20.76	22.00
		HIGH	Q16	20.71	20.37	20.51	22.00
	50	LOW	Q16	20.20	20.75	20.94	22.00
10	1	LOW	64QAM	20.17	20.82	20.89	22.00
		MID	64QAM	20.64	20.40	21.03	22.00
		HIGH	64QAM	20.09	20.70	20.66	22.00
	25	LOW	64QAM	19.63	19.84	19.85	21.00
		MID	64QAM	19.65	19.59	19.97	21.00
		HIGH	64QAM	19.61	19.45	19.72	21.00
	50	LOW	64QAM	19.69	19.61	19.90	21.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	21.44	21.81	21.72	22.50
		MID	QPSK	21.62	21.46	21.61	22.50
		HIGH	QPSK	21.38	21.63	21.65	22.50
	36	LOW	QPSK	21.33	21.47	21.64	22.50
		MID	QPSK	21.82	21.50	21.64	22.50
		HIGH	QPSK	21.60	21.69	21.55	22.50
	75	LOW	QPSK	21.37	21.70	21.58	22.50
15	1	LOW	Q16	21.70	21.36	21.62	22.50
		MID	Q16	21.65	21.49	21.60	22.50
		HIGH	Q16	21.75	21.41	21.49	22.50
	36	LOW	Q16	20.69	20.66	20.91	22.00
		MID	Q16	20.62	20.56	20.96	22.00
		HIGH	Q16	20.88	20.49	20.44	22.00
	75	LOW	Q16	20.24	20.46	21.06	22.00
15	1	LOW	64QAM	20.41	20.74	20.87	22.00
		MID	64QAM	20.60	20.36	20.78	22.00
		HIGH	64QAM	20.37	20.45	20.64	22.00
	36	LOW	64QAM	19.47	19.98	19.85	21.00
		MID	64QAM	19.59	19.55	19.87	21.00
		HIGH	64QAM	19.49	19.51	19.90	21.00
	75	LOW	64QAM	19.69	19.63	19.74	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	21.68	21.72	21.76	22.50
		MID	QPSK	21.66	21.70	21.74	22.50
		HIGH	QPSK	21.62	21.65	21.65	22.50
	50	LOW	QPSK	21.57	21.62	21.79	22.50
		MID	QPSK	21.75	21.59	21.66	22.50
		HIGH	QPSK	21.64	21.73	21.70	22.50
	100	LOW	QPSK	21.52	21.64	21.82	22.50
20	1	LOW	Q16	21.66	21.58	21.77	22.50
		MID	Q16	21.54	21.69	21.58	22.50
		HIGH	Q16	21.66	21.65	21.53	22.50
	50	LOW	Q16	20.77	20.62	20.87	22.00
		MID	Q16	20.52	20.54	20.86	22.00
		HIGH	Q16	20.86	20.43	20.63	22.00
	100	LOW	Q16	20.36	20.65	21.00	22.00
20	1	LOW	64QAM	20.39	20.80	20.93	22.00
		MID	64QAM	20.70	20.44	20.93	22.00
		HIGH	64QAM	20.27	20.64	20.56	22.00
	50	LOW	64QAM	19.59	20.02	20.05	21.00
		MID	64QAM	19.69	19.73	20.07	21.00
		HIGH	64QAM	19.51	19.61	19.82	21.00
	100	LOW	64QAM	19.83	19.77	19.96	21.00

LTE B7-State 15 -Ant.0(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	19.41	19.20	19.52	21.00	
		MID	QPSK	19.35	19.21	19.18	21.00	
		HIGH	QPSK	19.01	19.14	19.26	21.00	
	12	LOW	QPSK	19.29	19.26	19.41	21.00	
		MID	QPSK	19.19	19.40	19.32	21.00	
		HIGH	QPSK	19.42	19.30	19.26	21.00	
	25	LOW	QPSK	19.25	19.44	19.26	21.00	
5	1	LOW	Q16	19.66	19.52	19.58	21.00	
		MID	Q16	19.30	19.52	19.43	21.00	
		HIGH	Q16	19.37	19.51	19.24	21.00	
	12	LOW	Q16	19.51	19.46	19.33	21.00	
		MID	Q16	19.40	19.23	19.46	21.00	
		HIGH	Q16	19.10	19.52	19.33	21.00	
	25	LOW	Q16	19.56	19.53	19.42	21.00	
5	1	LOW	64QAM	19.58	19.60	19.25	21.00	
		MID	64QAM	19.33	19.46	19.53	21.00	
		HIGH	64QAM	19.37	19.39	19.35	21.00	
	12	LOW	64QAM	19.17	19.24	19.16	21.00	
		MID	64QAM	19.30	19.30	19.40	21.00	
		HIGH	64QAM	19.16	19.07	19.04	21.00	
	25	LOW	64QAM	19.15	19.19	19.38	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)	
10	1	LOW	QPSK	19.31	19.39	19.56	21.00	
		MID	QPSK	19.17	19.26	19.43	21.00	
		HIGH	QPSK	19.03	19.35	19.20	21.00	
	25	LOW	QPSK	19.37	19.38	19.45	21.00	
		MID	QPSK	19.19	19.34	19.34	21.00	
		HIGH	QPSK	19.42	19.36	19.19	21.00	
10	50	LOW	QPSK	19.37	19.44	19.21	21.00	
		1	LOW	Q16	19.66	19.56	19.74	21.00
			MID	Q16	19.28	19.68	19.49	21.00
	HIGH		Q16	19.27	19.53	19.22	21.00	
	25	LOW	Q16	19.49	19.36	19.55	21.00	
		MID	Q16	19.46	19.34	19.36	21.00	
HIGH		Q16	19.29	19.42	19.31	21.00		
10	50	LOW	Q16	19.27	19.53	19.54	21.00	
		1	LOW	64QAM	19.56	19.32	19.34	21.00
			MID	64QAM	19.45	19.40	19.67	21.00
	25		HIGH	64QAM	19.16	19.37	19.39	21.00
		LOW	64QAM	19.23	19.10	19.41	21.00	
		MID	64QAM	19.10	19.15	19.32	21.00	
	HIGH	64QAM	19.13	19.26	19.03	21.00		
50	LOW	64QAM	19.07	19.10	19.20	21.00		

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	19.27	19.37	19.25	21.00
		MID	QPSK	19.12	19.44	19.47	21.00
		HIGH	QPSK	19.24	19.23	19.20	21.00
	36	LOW	QPSK	19.24	19.42	19.27	21.00
		MID	QPSK	19.34	19.42	19.26	21.00
		HIGH	QPSK	19.24	19.48	19.44	21.00
	75	LOW	QPSK	19.31	19.36	19.36	21.00
15	1	LOW	Q16	19.50	19.64	19.56	21.00
		MID	Q16	19.47	19.64	19.47	21.00
		HIGH	Q16	19.53	19.67	19.39	21.00
	36	LOW	Q16	19.51	19.28	19.49	21.00
		MID	Q16	19.42	19.25	19.48	21.00
		HIGH	Q16	19.37	19.52	19.29	21.00
	75	LOW	Q16	19.52	19.53	19.23	21.00
15	1	LOW	64QAM	19.32	19.36	19.54	21.00
		MID	64QAM	19.20	19.54	19.65	21.00
		HIGH	64QAM	19.39	19.45	19.49	21.00
	36	LOW	64QAM	19.13	19.05	19.29	21.00
		MID	64QAM	19.32	19.11	19.17	21.00
		HIGH	64QAM	19.03	19.30	19.05	21.00
	75	LOW	64QAM	19.28	19.27	19.22	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	19.45	19.41	19.46	21.00
		MID	QPSK	19.29	19.36	19.37	21.00
		HIGH	QPSK	19.18	19.31	19.24	21.00
	50	LOW	QPSK	19.41	19.42	19.45	21.00
		MID	QPSK	19.40	19.44	19.40	21.00
		HIGH	QPSK	19.34	19.38	19.34	21.00
	100	LOW	QPSK	19.41	19.42	19.38	21.00
20	1	LOW	Q16	19.68	19.78	19.66	21.00
		MID	Q16	19.49	19.72	19.57	21.00
		HIGH	Q16	19.45	19.57	19.41	21.00
	50	LOW	Q16	19.43	19.46	19.47	21.00
		MID	Q16	19.42	19.44	19.46	21.00
		HIGH	Q16	19.31	19.46	19.39	21.00
	100	LOW	Q16	19.48	19.45	19.44	21.00
20	1	LOW	64QAM	19.52	19.50	19.46	21.00
		MID	64QAM	19.39	19.48	19.57	21.00
		HIGH	64QAM	19.33	19.49	19.39	21.00
	50	LOW	64QAM	19.13	19.18	19.31	21.00
		MID	64QAM	19.22	19.32	19.36	21.00
		HIGH	64QAM	19.01	19.24	19.13	21.00
	100	LOW	64QAM	19.28	19.31	19.32	21.00

LTE B7-State 17 -Ant.0(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	19.41	19.20	19.52	21.00
		MID	QPSK	19.35	19.21	19.18	21.00
		HIGH	QPSK	19.01	19.14	19.26	21.00
	12	LOW	QPSK	19.29	19.26	19.41	21.00
		MID	QPSK	19.19	19.40	19.32	21.00
		HIGH	QPSK	19.42	19.30	19.26	21.00
25	LOW	QPSK	19.25	19.44	19.26	21.00	
5	1	LOW	Q16	19.66	19.52	19.58	21.00
		MID	Q16	19.30	19.52	19.43	21.00
		HIGH	Q16	19.37	19.51	19.24	21.00
	12	LOW	Q16	19.51	19.46	19.33	21.00
		MID	Q16	19.40	19.23	19.46	21.00
		HIGH	Q16	19.10	19.52	19.33	21.00
25	LOW	Q16	19.56	19.53	19.42	21.00	
5	1	LOW	64QAM	19.58	19.60	19.25	21.00
		MID	64QAM	19.33	19.46	19.53	21.00
		HIGH	64QAM	19.37	19.39	19.35	21.00
	12	LOW	64QAM	19.17	19.24	19.16	21.00
		MID	64QAM	19.30	19.30	19.40	21.00
		HIGH	64QAM	19.16	19.07	19.04	21.00
25	LOW	64QAM	19.15	19.19	19.38	21.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	19.31	19.39	19.56	21.00
		MID	QPSK	19.17	19.26	19.43	21.00
		HIGH	QPSK	19.03	19.35	19.20	21.00
	25	LOW	QPSK	19.37	19.38	19.45	21.00
		MID	QPSK	19.19	19.34	19.34	21.00
		HIGH	QPSK	19.42	19.36	19.19	21.00
50	LOW	QPSK	19.37	19.44	19.21	21.00	
10	1	LOW	Q16	19.66	19.56	19.74	21.00
		MID	Q16	19.28	19.68	19.49	21.00
		HIGH	Q16	19.27	19.53	19.22	21.00
	25	LOW	Q16	19.49	19.36	19.55	21.00
		MID	Q16	19.46	19.34	19.36	21.00
		HIGH	Q16	19.29	19.42	19.31	21.00
50	LOW	Q16	19.27	19.53	19.54	21.00	
10	1	LOW	64QAM	19.56	19.32	19.34	21.00
		MID	64QAM	19.45	19.40	19.67	21.00
		HIGH	64QAM	19.16	19.37	19.39	21.00
	25	LOW	64QAM	19.23	19.10	19.41	21.00
		MID	64QAM	19.10	19.15	19.32	21.00
		HIGH	64QAM	19.13	19.26	19.03	21.00
50	LOW	64QAM	19.07	19.10	19.20	21.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	19.27	19.37	19.25	21.00
		MID	QPSK	19.12	19.44	19.47	21.00
		HIGH	QPSK	19.24	19.23	19.20	21.00
	36	LOW	QPSK	19.24	19.42	19.27	21.00
		MID	QPSK	19.34	19.42	19.26	21.00
		HIGH	QPSK	19.24	19.48	19.44	21.00
	75	LOW	QPSK	19.31	19.36	19.36	21.00
15	1	LOW	Q16	19.50	19.64	19.56	21.00
		MID	Q16	19.47	19.64	19.47	21.00
		HIGH	Q16	19.53	19.67	19.39	21.00
	36	LOW	Q16	19.51	19.28	19.49	21.00
		MID	Q16	19.42	19.25	19.48	21.00
		HIGH	Q16	19.37	19.52	19.29	21.00
	75	LOW	Q16	19.52	19.53	19.23	21.00
15	1	LOW	64QAM	19.32	19.36	19.54	21.00
		MID	64QAM	19.20	19.54	19.65	21.00
		HIGH	64QAM	19.39	19.45	19.49	21.00
	36	LOW	64QAM	19.13	19.05	19.29	21.00
		MID	64QAM	19.32	19.11	19.17	21.00
		HIGH	64QAM	19.03	19.30	19.05	21.00
	75	LOW	64QAM	19.28	19.27	19.22	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	19.45	19.41	19.46	21.00
		MID	QPSK	19.29	19.36	19.37	21.00
		HIGH	QPSK	19.18	19.31	19.24	21.00
	50	LOW	QPSK	19.41	19.42	19.45	21.00
		MID	QPSK	19.40	19.44	19.40	21.00
		HIGH	QPSK	19.34	19.38	19.34	21.00
	100	LOW	QPSK	19.41	19.42	19.38	21.00
20	1	LOW	Q16	19.68	19.78	19.66	21.00
		MID	Q16	19.49	19.72	19.57	21.00
		HIGH	Q16	19.45	19.57	19.41	21.00
	50	LOW	Q16	19.43	19.46	19.47	21.00
		MID	Q16	19.42	19.44	19.46	21.00
		HIGH	Q16	19.31	19.46	19.39	21.00
	100	LOW	Q16	19.48	19.45	19.44	21.00
20	1	LOW	64QAM	19.52	19.50	19.46	21.00
		MID	64QAM	19.39	19.48	19.57	21.00
		HIGH	64QAM	19.33	19.49	19.39	21.00
	50	LOW	64QAM	19.13	19.18	19.31	21.00
		MID	64QAM	19.22	19.32	19.36	21.00
		HIGH	64QAM	19.01	19.24	19.13	21.00
	100	LOW	64QAM	19.28	19.31	19.32	21.00

LTE B7-State 19 -Ant.0(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.73	17.95	18.00	19.50
		MID	QPSK	17.76	17.87	18.01	19.50
		HIGH	QPSK	17.56	17.95	17.86	19.50
	12	LOW	QPSK	17.68	17.58	17.88	19.50
		MID	QPSK	17.87	17.71	18.00	19.50
		HIGH	QPSK	17.83	17.64	17.91	19.50
	25	LOW	QPSK	17.80	17.65	18.17	19.50
5	1	LOW	Q16	18.11	17.88	18.13	19.50
		MID	Q16	17.90	17.95	18.21	19.50
		HIGH	Q16	18.03	18.04	17.80	19.50
	12	LOW	Q16	18.02	17.83	18.22	19.50
		MID	Q16	18.32	17.91	18.14	19.50
		HIGH	Q16	18.08	17.97	18.15	19.50
	25	LOW	Q16	17.86	18.14	18.25	19.50
5	1	LOW	64QAM	17.89	17.75	17.97	19.50
		MID	64QAM	17.68	18.33	18.07	19.50
		HIGH	64QAM	17.75	17.93	18.01	19.50
	12	LOW	64QAM	17.98	17.98	18.19	19.50
		MID	64QAM	18.15	17.83	18.12	19.50
		HIGH	64QAM	17.83	18.03	17.95	19.50
	25	LOW	64QAM	17.89	18.00	18.20	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.69	18.04	17.99	19.50
		MID	QPSK	17.74	17.76	18.03	19.50
		HIGH	QPSK	17.67	17.81	17.91	19.50
	25	LOW	QPSK	17.68	17.54	17.86	19.50
		MID	QPSK	17.88	17.70	17.91	19.50
		HIGH	QPSK	17.86	17.57	17.89	19.50
	50	LOW	QPSK	17.66	17.85	17.97	19.50
10	1	LOW	Q16	18.04	17.92	18.27	19.50
		MID	Q16	17.95	17.94	18.19	19.50
		HIGH	Q16	18.03	17.90	17.82	19.50
	25	LOW	Q16	17.95	17.91	18.03	19.50
		MID	Q16	18.29	18.02	18.12	19.50
		HIGH	Q16	18.10	17.72	18.13	19.50
	50	LOW	Q16	17.77	18.05	18.27	19.50
10	1	LOW	64QAM	18.03	17.66	18.02	19.50
		MID	64QAM	17.82	18.19	18.18	19.50
		HIGH	64QAM	17.80	17.75	17.96	19.50
	25	LOW	64QAM	17.75	17.93	18.03	19.50
		MID	64QAM	18.17	17.72	18.19	19.50
		HIGH	64QAM	17.85	17.82	18.04	19.50
	50	LOW	64QAM	18.04	17.85	18.07	19.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.78	18.00	17.99	19.50
		MID	QPSK	17.71	17.78	18.03	19.50
		HIGH	QPSK	17.81	17.90	17.80	19.50
	36	LOW	QPSK	17.76	17.54	17.98	19.50
		MID	QPSK	17.88	17.78	17.86	19.50
		HIGH	QPSK	17.99	17.66	17.71	19.50
	75	LOW	QPSK	17.57	17.76	18.14	19.50
15	1	LOW	Q16	18.20	17.92	18.25	19.50
		MID	Q16	17.97	18.06	18.06	19.50
		HIGH	Q16	18.16	17.97	17.83	19.50
	36	LOW	Q16	17.97	17.85	18.11	19.50
		MID	Q16	18.25	17.86	18.18	19.50
		HIGH	Q16	17.95	17.79	18.05	19.50
	75	LOW	Q16	17.73	17.94	18.32	19.50
15	1	LOW	64QAM	17.94	17.90	17.89	19.50
		MID	64QAM	17.64	18.04	18.03	19.50
		HIGH	64QAM	17.88	17.82	18.21	19.50
	36	LOW	64QAM	17.80	17.85	18.16	19.50
		MID	64QAM	18.30	17.74	18.16	19.50
		HIGH	64QAM	18.01	17.98	17.77	19.50
	75	LOW	64QAM	17.84	18.00	18.17	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.89	18.00	18.04	19.50
		MID	QPSK	17.87	17.89	17.96	19.50
		HIGH	QPSK	17.74	17.99	18.00	19.50
	50	LOW	QPSK	17.80	17.72	18.02	19.50
		MID	QPSK	17.92	17.82	18.00	19.50
		HIGH	QPSK	17.99	17.75	17.87	19.50
	100	LOW	QPSK	17.73	17.76	18.10	19.50
20	1	LOW	Q16	18.20	18.08	18.20	19.50
		MID	Q16	18.08	17.99	18.17	19.50
		HIGH	Q16	18.16	17.95	17.96	19.50
	50	LOW	Q16	18.15	17.96	18.18	19.50
		MID	Q16	18.27	17.95	18.23	19.50
		HIGH	Q16	18.15	17.92	18.20	19.50
	100	LOW	Q16	17.93	18.12	18.23	19.50
20	1	LOW	64QAM	18.05	17.86	17.93	19.50
		MID	64QAM	17.73	18.24	18.14	19.50
		HIGH	64QAM	17.93	17.95	18.12	19.50
	50	LOW	64QAM	17.91	17.98	18.14	19.50
		MID	64QAM	18.28	17.83	18.23	19.50
		HIGH	64QAM	17.99	17.96	17.97	19.50
	100	LOW	64QAM	18.02	18.05	18.22	19.50

LTE B7-State 12 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	18.10	18.17	17.76	19.00
		MID	QPSK	17.92	17.95	17.56	19.00
		HIGH	QPSK	18.04	17.46	17.36	19.00
	12	LOW	QPSK	17.74	17.72	17.75	19.00
		MID	QPSK	17.97	17.42	17.74	19.00
		HIGH	QPSK	17.40	17.37	17.51	19.00
5	25	LOW	QPSK	17.71	17.61	17.50	19.00
		LOW	Q16	17.64	17.47	17.71	19.00
		MID	Q16	17.36	17.30	17.38	19.00
	12	HIGH	Q16	17.25	17.22	17.37	19.00
		LOW	Q16	17.88	17.47	17.62	19.00
		MID	Q16	17.81	17.77	17.61	19.00
5	25	HIGH	Q16	17.51	17.24	17.53	19.00
		LOW	Q16	17.85	17.65	17.43	19.00
	1	LOW	64QAM	17.20	17.24	17.63	19.00
		MID	64QAM	17.19	17.32	17.34	19.00
		HIGH	64QAM	17.78	17.55	17.52	19.00
	12	LOW	64QAM	16.89	16.59	17.02	18.00
5	25	MID	64QAM	16.69	16.74	16.88	18.00
		HIGH	64QAM	16.56	16.62	16.45	18.00
		LOW	64QAM	16.77	16.91	16.75	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.95	18.21	17.85	19.00
		MID	QPSK	17.78	17.82	17.63	19.00
		HIGH	QPSK	17.80	17.67	17.36	19.00
	25	LOW	QPSK	17.57	17.84	17.86	19.00
		MID	QPSK	17.83	17.51	17.56	19.00
		HIGH	QPSK	17.28	17.30	17.64	19.00
10	50	LOW	QPSK	17.47	17.54	17.63	19.00
		LOW	Q16	17.40	17.55	17.57	19.00
		MID	Q16	17.36	17.30	17.28	19.00
	25	HIGH	Q16	17.16	17.25	17.27	19.00
		LOW	Q16	17.67	17.52	17.77	19.00
		MID	Q16	17.58	17.65	17.63	19.00
10	50	HIGH	Q16	17.44	17.50	17.50	19.00
		LOW	Q16	17.75	17.46	17.41	19.00
	1	LOW	64QAM	17.24	17.12	17.66	19.00
		MID	64QAM	17.20	17.29	17.32	19.00
		HIGH	64QAM	17.78	17.53	17.70	19.00
	25	LOW	64QAM	17.16	16.67	16.85	18.00
10	50	MID	64QAM	16.74	16.44	16.73	18.00
		HIGH	64QAM	16.67	16.83	16.60	18.00
		LOW	64QAM	16.75	16.68	16.52	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.15	18.01	17.60	19.00
		MID	QPSK	17.80	17.86	17.61	19.00
		HIGH	QPSK	17.98	17.57	17.34	19.00
	36	LOW	QPSK	17.67	17.76	17.67	19.00
		MID	QPSK	17.85	17.74	17.76	19.00
		HIGH	QPSK	17.35	17.34	17.74	19.00
	75	LOW	QPSK	17.56	17.45	17.50	19.00
15	1	LOW	Q16	17.47	17.62	17.45	19.00
		MID	Q16	17.55	17.18	17.25	19.00
		HIGH	Q16	17.28	17.17	17.49	19.00
	36	LOW	Q16	17.76	17.70	17.62	19.00
		MID	Q16	17.71	17.65	17.77	19.00
		HIGH	Q16	17.39	17.46	17.69	19.00
	75	LOW	Q16	17.77	17.63	17.64	19.00
15	1	LOW	64QAM	17.26	17.16	17.50	19.00
		MID	64QAM	17.08	17.20	17.39	19.00
		HIGH	64QAM	17.46	17.50	17.61	19.00
	36	LOW	64QAM	17.13	16.59	16.82	18.00
		MID	64QAM	16.90	16.71	16.85	18.00
		HIGH	64QAM	16.48	16.83	16.48	18.00
	75	LOW	64QAM	16.87	16.86	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	18.06	17.92	17.64	19.00
		MID	QPSK	17.78	17.84	17.56	19.00
		HIGH	QPSK	17.84	17.53	17.43	19.00
	50	LOW	QPSK	17.53	17.65	17.63	19.00
		MID	QPSK	17.74	17.53	17.65	19.00
		HIGH	QPSK	17.37	17.32	17.55	19.00
	100	LOW	QPSK	17.52	17.47	17.50	19.00
20	1	LOW	Q16	17.47	17.45	17.48	19.00
		MID	Q16	17.39	17.11	17.35	19.00
		HIGH	Q16	17.18	17.20	17.30	19.00
	50	LOW	Q16	17.65	17.56	17.58	19.00
		MID	Q16	17.67	17.65	17.56	19.00
		HIGH	Q16	17.30	17.34	17.55	19.00
	100	LOW	Q16	17.66	17.44	17.48	19.00
20	1	LOW	64QAM	17.29	17.19	17.59	19.00
		MID	64QAM	17.17	17.27	17.37	19.00
		HIGH	64QAM	17.57	17.43	17.59	19.00
	50	LOW	64QAM	16.94	16.67	16.85	18.00
		MID	64QAM	16.77	16.54	16.75	18.00
		HIGH	64QAM	16.46	16.70	16.50	18.00
	100	LOW	64QAM	16.70	16.71	16.60	18.00

LTE B7-State 16 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	18.10	18.17	17.76	18.50
		MID	QPSK	17.92	17.95	17.56	18.50
		HIGH	QPSK	18.04	17.46	17.36	18.50
	12	LOW	QPSK	17.74	17.72	17.75	18.50
		MID	QPSK	17.97	17.42	17.74	18.50
		HIGH	QPSK	17.40	17.37	17.51	18.50
5	25	LOW	QPSK	17.71	17.61	17.50	18.50
		LOW	Q16	17.64	17.47	17.71	18.50
		MID	Q16	17.36	17.30	17.38	18.50
	12	HIGH	Q16	17.25	17.22	17.37	18.50
		LOW	Q16	17.88	17.47	17.62	18.50
		MID	Q16	17.81	17.77	17.61	18.50
5	25	HIGH	Q16	17.51	17.24	17.53	18.50
		LOW	Q16	17.85	17.65	17.43	18.50
	1	LOW	64QAM	17.20	17.24	17.63	18.50
		MID	64QAM	17.19	17.32	17.34	18.50
		HIGH	64QAM	17.78	17.55	17.52	18.50
	12	LOW	64QAM	16.89	16.59	17.02	18.00
5	25	MID	64QAM	16.69	16.74	16.88	18.00
		HIGH	64QAM	16.56	16.62	16.45	18.00
		LOW	64QAM	16.77	16.91	16.75	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.95	18.21	17.85	18.50
		MID	QPSK	17.78	17.82	17.63	18.50
		HIGH	QPSK	17.80	17.67	17.36	18.50
	25	LOW	QPSK	17.57	17.84	17.86	18.50
		MID	QPSK	17.83	17.51	17.56	18.50
		HIGH	QPSK	17.28	17.30	17.64	18.50
10	50	LOW	QPSK	17.47	17.54	17.63	18.50
		LOW	Q16	17.40	17.55	17.57	18.50
		MID	Q16	17.36	17.30	17.28	18.50
	25	HIGH	Q16	17.16	17.25	17.27	18.50
		LOW	Q16	17.67	17.52	17.77	18.50
		MID	Q16	17.58	17.65	17.63	18.50
10	50	HIGH	Q16	17.44	17.50	17.50	18.50
		LOW	Q16	17.75	17.46	17.41	18.50
	1	LOW	64QAM	17.24	17.12	17.66	18.50
		MID	64QAM	17.20	17.29	17.32	18.50
		HIGH	64QAM	17.78	17.53	17.70	18.50
	25	LOW	64QAM	17.16	16.67	16.85	18.00
10	50	MID	64QAM	16.74	16.44	16.73	18.00
		HIGH	64QAM	16.67	16.83	16.60	18.00
		LOW	64QAM	16.75	16.68	16.52	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.15	18.01	17.60	18.50
		MID	QPSK	17.80	17.86	17.61	18.50
		HIGH	QPSK	17.98	17.57	17.34	18.50
	36	LOW	QPSK	17.67	17.76	17.67	18.50
		MID	QPSK	17.85	17.74	17.76	18.50
		HIGH	QPSK	17.35	17.34	17.74	18.50
	75	LOW	QPSK	17.56	17.45	17.50	18.50
15	1	LOW	Q16	17.47	17.62	17.45	18.50
		MID	Q16	17.55	17.18	17.25	18.50
		HIGH	Q16	17.28	17.17	17.49	18.50
	36	LOW	Q16	17.76	17.70	17.62	18.50
		MID	Q16	17.71	17.65	17.77	18.50
		HIGH	Q16	17.39	17.46	17.69	18.50
	75	LOW	Q16	17.77	17.63	17.64	18.50
15	1	LOW	64QAM	17.26	17.16	17.50	18.50
		MID	64QAM	17.08	17.20	17.39	18.50
		HIGH	64QAM	17.46	17.50	17.61	18.50
	36	LOW	64QAM	17.13	16.59	16.82	18.00
		MID	64QAM	16.90	16.71	16.85	18.00
		HIGH	64QAM	16.48	16.83	16.48	18.00
	75	LOW	64QAM	16.87	16.86	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	18.06	17.92	17.64	18.50
		MID	QPSK	17.78	17.84	17.56	18.50
		HIGH	QPSK	17.84	17.53	17.43	18.50
	50	LOW	QPSK	17.53	17.65	17.63	18.50
		MID	QPSK	17.74	17.53	17.65	18.50
		HIGH	QPSK	17.37	17.32	17.55	18.50
	100	LOW	QPSK	17.52	17.47	17.50	18.50
20	1	LOW	Q16	17.47	17.45	17.48	18.50
		MID	Q16	17.39	17.11	17.35	18.50
		HIGH	Q16	17.18	17.20	17.30	18.50
	50	LOW	Q16	17.65	17.56	17.58	18.50
		MID	Q16	17.67	17.65	17.56	18.50
		HIGH	Q16	17.30	17.34	17.55	18.50
	100	LOW	Q16	17.66	17.44	17.48	18.50
20	1	LOW	64QAM	17.29	17.19	17.59	18.50
		MID	64QAM	17.17	17.27	17.37	18.50
		HIGH	64QAM	17.57	17.43	17.59	18.50
	50	LOW	64QAM	16.94	16.67	16.85	18.00
		MID	64QAM	16.77	16.54	16.75	18.00
		HIGH	64QAM	16.46	16.70	16.50	18.00
	100	LOW	64QAM	16.70	16.71	16.60	18.00

LTE B7-State 18 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.11	17.37	17.09	18.00
		MID	QPSK	17.16	17.17	16.96	18.00
		HIGH	QPSK	17.17	16.93	16.86	18.00
	12	LOW	QPSK	17.12	17.20	17.18	18.00
		MID	QPSK	17.27	16.86	17.01	18.00
		HIGH	QPSK	16.92	16.82	17.10	18.00
	25	LOW	QPSK	17.11	17.05	16.85	18.00
5	1	LOW	Q16	17.11	17.03	17.18	18.00
		MID	Q16	17.14	17.05	17.10	18.00
		HIGH	Q16	16.97	17.15	17.13	18.00
	12	LOW	Q16	17.05	16.94	16.99	18.00
		MID	Q16	17.12	17.03	16.87	18.00
		HIGH	Q16	17.11	16.99	16.97	18.00
	25	LOW	Q16	16.97	16.77	17.00	18.00
5	1	LOW	64QAM	17.08	16.94	17.01	18.00
		MID	64QAM	17.00	16.84	16.83	18.00
		HIGH	64QAM	17.12	16.90	17.14	18.00
	12	LOW	64QAM	16.96	16.67	16.82	18.00
		MID	64QAM	16.80	16.52	16.63	18.00
		HIGH	64QAM	16.38	16.75	16.53	18.00
	25	LOW	64QAM	16.78	16.78	16.42	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.11	17.32	17.00	18.00
		MID	QPSK	17.25	17.27	16.96	18.00
		HIGH	QPSK	17.43	17.06	16.86	18.00
	25	LOW	QPSK	17.00	17.20	16.99	18.00
		MID	QPSK	17.33	16.88	17.20	18.00
		HIGH	QPSK	16.77	16.74	16.88	18.00
10	50	LOW	QPSK	17.04	16.85	17.00	18.00
	1	LOW	Q16	17.06	17.03	17.13	18.00
		MID	Q16	16.95	16.90	17.04	18.00
		HIGH	Q16	17.07	17.08	17.05	18.00
	25	LOW	Q16	17.13	16.99	16.99	18.00
		MID	Q16	16.98	16.96	17.06	18.00
HIGH		Q16	17.06	16.89	17.08	18.00	
10	1	LOW	Q16	16.99	16.89	17.05	18.00
		LOW	64QAM	17.08	16.88	17.11	18.00
		MID	64QAM	17.07	17.12	16.87	18.00
	25	HIGH	64QAM	17.14	16.98	16.95	18.00
		LOW	64QAM	17.01	16.55	16.78	18.00
		MID	64QAM	16.84	16.44	16.83	18.00
50	HIGH	64QAM	16.30	16.57	16.53	18.00	
10	50	LOW	64QAM	16.73	16.79	16.65	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.06	17.37	17.19	18.00
		MID	QPSK	17.28	17.34	17.11	18.00
		HIGH	QPSK	17.22	16.98	17.01	18.00
	36	LOW	QPSK	16.96	17.03	17.10	18.00
		MID	QPSK	17.22	16.89	17.20	18.00
		HIGH	QPSK	16.90	16.79	17.07	18.00
	75	LOW	QPSK	16.85	17.02	17.03	18.00
15	1	LOW	Q16	17.20	17.13	17.14	18.00
		MID	Q16	16.90	16.95	17.01	18.00
		HIGH	Q16	17.12	17.04	17.11	18.00
	36	LOW	Q16	17.08	17.08	17.03	18.00
		MID	Q16	17.08	17.17	16.91	18.00
		HIGH	Q16	17.01	16.91	17.02	18.00
	75	LOW	Q16	17.13	16.86	16.91	18.00
15	1	LOW	64QAM	17.16	16.96	17.03	18.00
		MID	64QAM	16.96	16.98	16.90	18.00
		HIGH	64QAM	17.10	16.79	17.12	18.00
	36	LOW	64QAM	16.97	16.69	16.87	18.00
		MID	64QAM	16.74	16.56	16.82	18.00
		HIGH	64QAM	16.34	16.53	16.42	18.00
	75	LOW	64QAM	16.68	16.76	16.48	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.33	17.37	17.16	18.00
		MID	QPSK	17.36	17.32	17.24	18.00
		HIGH	QPSK	17.32	17.21	17.08	18.00
	50	LOW	QPSK	17.10	17.10	17.08	18.00
		MID	QPSK	17.33	16.84	17.24	18.00
		HIGH	QPSK	16.80	16.69	16.95	18.00
	100	LOW	QPSK	17.00	16.85	16.98	18.00
20	1	LOW	Q16	17.25	16.94	17.14	18.00
		MID	Q16	16.97	17.07	17.10	18.00
		HIGH	Q16	17.16	17.06	17.22	18.00
	50	LOW	Q16	16.98	17.13	17.03	18.00
		MID	Q16	17.05	17.15	16.96	18.00
		HIGH	Q16	16.96	16.82	17.02	18.00
	100	LOW	Q16	17.25	16.89	17.05	18.00
20	1	LOW	64QAM	16.99	17.03	16.99	18.00
		MID	64QAM	17.10	17.05	16.92	18.00
		HIGH	64QAM	16.90	16.76	16.97	18.00
	50	LOW	64QAM	16.84	16.62	16.88	18.00
		MID	64QAM	16.70	16.41	16.58	18.00
		HIGH	64QAM	16.43	16.65	16.53	18.00
	100	LOW	64QAM	16.63	16.74	16.68	18.00

LTE B7-State 20 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	18.10	18.17	17.76	18.50
		MID	QPSK	17.92	17.95	17.56	18.50
		HIGH	QPSK	18.04	17.46	17.36	18.50
	12	LOW	QPSK	17.74	17.72	17.75	18.50
		MID	QPSK	17.97	17.42	17.74	18.50
		HIGH	QPSK	17.40	17.37	17.51	18.50
	25	LOW	QPSK	17.71	17.61	17.50	18.50
5	1	LOW	Q16	17.64	17.47	17.71	18.50
		MID	Q16	17.36	17.30	17.38	18.50
		HIGH	Q16	17.25	17.22	17.37	18.50
	12	LOW	Q16	17.88	17.47	17.62	18.50
		MID	Q16	17.81	17.77	17.61	18.50
		HIGH	Q16	17.51	17.24	17.53	18.50
	25	LOW	Q16	17.85	17.65	17.43	18.50
5	1	LOW	64QAM	17.20	17.24	17.63	18.50
		MID	64QAM	17.19	17.32	17.34	18.50
		HIGH	64QAM	17.78	17.55	17.52	18.50
	12	LOW	64QAM	16.89	16.59	17.02	18.00
		MID	64QAM	16.69	16.74	16.88	18.00
		HIGH	64QAM	16.56	16.62	16.45	18.00
	25	LOW	64QAM	16.77	16.91	16.75	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.95	18.21	17.85	18.50
		MID	QPSK	17.78	17.82	17.63	18.50
		HIGH	QPSK	17.80	17.67	17.36	18.50
	25	LOW	QPSK	17.57	17.84	17.86	18.50
		MID	QPSK	17.83	17.51	17.56	18.50
		HIGH	QPSK	17.28	17.30	17.64	18.50
	50	LOW	QPSK	17.47	17.54	17.63	18.50
10	1	LOW	Q16	17.40	17.55	17.57	18.50
		MID	Q16	17.36	17.30	17.28	18.50
		HIGH	Q16	17.16	17.25	17.27	18.50
	25	LOW	Q16	17.67	17.52	17.77	18.50
		MID	Q16	17.58	17.65	17.63	18.50
		HIGH	Q16	17.44	17.50	17.50	18.50
	50	LOW	Q16	17.75	17.46	17.41	18.50
10	1	LOW	64QAM	17.24	17.12	17.66	18.50
		MID	64QAM	17.20	17.29	17.32	18.50
		HIGH	64QAM	17.78	17.53	17.70	18.50
	25	LOW	64QAM	17.16	16.67	16.85	18.00
		MID	64QAM	16.74	16.44	16.73	18.00
		HIGH	64QAM	16.67	16.83	16.60	18.00
	50	LOW	64QAM	16.75	16.68	16.52	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.15	18.01	17.60	18.50
		MID	QPSK	17.80	17.86	17.61	18.50
		HIGH	QPSK	17.98	17.57	17.34	18.50
	36	LOW	QPSK	17.67	17.76	17.67	18.50
		MID	QPSK	17.85	17.74	17.76	18.50
		HIGH	QPSK	17.35	17.34	17.74	18.50
	75	LOW	QPSK	17.56	17.45	17.50	18.50
15	1	LOW	Q16	17.47	17.62	17.45	18.50
		MID	Q16	17.55	17.18	17.25	18.50
		HIGH	Q16	17.28	17.17	17.49	18.50
	36	LOW	Q16	17.76	17.70	17.62	18.50
		MID	Q16	17.71	17.65	17.77	18.50
		HIGH	Q16	17.39	17.46	17.69	18.50
	75	LOW	Q16	17.77	17.63	17.64	18.50
15	1	LOW	64QAM	17.26	17.16	17.50	18.50
		MID	64QAM	17.08	17.20	17.39	18.50
		HIGH	64QAM	17.46	17.50	17.61	18.50
	36	LOW	64QAM	17.13	16.59	16.82	18.00
		MID	64QAM	16.90	16.71	16.85	18.00
		HIGH	64QAM	16.48	16.83	16.48	18.00
	75	LOW	64QAM	16.87	16.86	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	18.06	17.92	17.64	18.50
		MID	QPSK	17.78	17.84	17.56	18.50
		HIGH	QPSK	17.84	17.53	17.43	18.50
	50	LOW	QPSK	17.53	17.65	17.63	18.50
		MID	QPSK	17.74	17.53	17.65	18.50
		HIGH	QPSK	17.37	17.32	17.55	18.50
	100	LOW	QPSK	17.52	17.47	17.50	18.50
20	1	LOW	Q16	17.47	17.45	17.48	18.50
		MID	Q16	17.39	17.11	17.35	18.50
		HIGH	Q16	17.18	17.20	17.30	18.50
	50	LOW	Q16	17.65	17.56	17.58	18.50
		MID	Q16	17.67	17.65	17.56	18.50
		HIGH	Q16	17.30	17.34	17.55	18.50
	100	LOW	Q16	17.66	17.44	17.48	18.50
20	1	LOW	64QAM	17.29	17.19	17.59	18.50
		MID	64QAM	17.17	17.27	17.37	18.50
		HIGH	64QAM	17.57	17.43	17.59	18.50
	50	LOW	64QAM	16.94	16.67	16.85	18.00
		MID	64QAM	16.77	16.54	16.75	18.00
		HIGH	64QAM	16.46	16.70	16.50	18.00
	100	LOW	64QAM	16.70	16.71	16.60	18.00

LTE B7-State 11-Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	18.10	18.17	17.76	19.00
		MID	QPSK	17.92	17.95	17.56	19.00
		HIGH	QPSK	18.04	17.46	17.36	19.00
	12	LOW	QPSK	17.74	17.72	17.75	19.00
		MID	QPSK	17.97	17.42	17.74	19.00
		HIGH	QPSK	17.40	17.37	17.51	19.00
	25	LOW	QPSK	17.71	17.61	17.50	19.00
5	1	LOW	Q16	17.64	17.47	17.71	19.00
		MID	Q16	17.36	17.30	17.38	19.00
		HIGH	Q16	17.25	17.22	17.37	19.00
	12	LOW	Q16	17.88	17.47	17.62	19.00
		MID	Q16	17.81	17.77	17.61	19.00
		HIGH	Q16	17.51	17.24	17.53	19.00
	25	LOW	Q16	17.85	17.65	17.43	19.00
5	1	LOW	64QAM	17.20	17.24	17.63	19.00
		MID	64QAM	17.19	17.32	17.34	19.00
		HIGH	64QAM	17.78	17.55	17.52	19.00
	12	LOW	64QAM	16.89	16.59	17.02	18.00
		MID	64QAM	16.69	16.74	16.88	18.00
		HIGH	64QAM	16.56	16.62	16.45	18.00
	25	LOW	64QAM	16.77	16.91	16.75	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.95	18.21	17.85	19.00
		MID	QPSK	17.78	17.82	17.63	19.00
		HIGH	QPSK	17.80	17.67	17.36	19.00
	25	LOW	QPSK	17.57	17.84	17.86	19.00
		MID	QPSK	17.83	17.51	17.56	19.00
		HIGH	QPSK	17.28	17.30	17.64	19.00
10	50	LOW	QPSK	17.47	17.54	17.63	19.00
	1	LOW	Q16	17.40	17.55	17.57	19.00
		MID	Q16	17.36	17.30	17.28	19.00
		HIGH	Q16	17.16	17.25	17.27	19.00
	25	LOW	Q16	17.67	17.52	17.77	19.00
		MID	Q16	17.58	17.65	17.63	19.00
HIGH		Q16	17.44	17.50	17.50	19.00	
10	50	LOW	Q16	17.75	17.46	17.41	19.00
	1	LOW	64QAM	17.24	17.12	17.66	19.00
		MID	64QAM	17.20	17.29	17.32	19.00
		HIGH	64QAM	17.78	17.53	17.70	19.00
	25	LOW	64QAM	17.16	16.67	16.85	18.00
		MID	64QAM	16.74	16.44	16.73	18.00
HIGH		64QAM	16.67	16.83	16.60	18.00	
50	LOW	64QAM	16.75	16.68	16.52	18.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.15	18.01	17.60	19.00
		MID	QPSK	17.80	17.86	17.61	19.00
		HIGH	QPSK	17.98	17.57	17.34	19.00
	36	LOW	QPSK	17.67	17.76	17.67	19.00
		MID	QPSK	17.85	17.74	17.76	19.00
		HIGH	QPSK	17.35	17.34	17.74	19.00
	75	LOW	QPSK	17.56	17.45	17.50	19.00
15	1	LOW	Q16	17.47	17.62	17.45	19.00
		MID	Q16	17.55	17.18	17.25	19.00
		HIGH	Q16	17.28	17.17	17.49	19.00
	36	LOW	Q16	17.76	17.70	17.62	19.00
		MID	Q16	17.71	17.65	17.77	19.00
		HIGH	Q16	17.39	17.46	17.69	19.00
	75	LOW	Q16	17.77	17.63	17.64	19.00
15	1	LOW	64QAM	17.26	17.16	17.50	19.00
		MID	64QAM	17.08	17.20	17.39	19.00
		HIGH	64QAM	17.46	17.50	17.61	19.00
	36	LOW	64QAM	17.13	16.59	16.82	18.00
		MID	64QAM	16.90	16.71	16.85	18.00
		HIGH	64QAM	16.48	16.83	16.48	18.00
	75	LOW	64QAM	16.87	16.86	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	18.06	17.92	17.64	19.00
		MID	QPSK	17.78	17.84	17.56	19.00
		HIGH	QPSK	17.84	17.53	17.43	19.00
	50	LOW	QPSK	17.53	17.65	17.63	19.00
		MID	QPSK	17.74	17.53	17.65	19.00
		HIGH	QPSK	17.37	17.32	17.55	19.00
	100	LOW	QPSK	17.52	17.47	17.50	19.00
20	1	LOW	Q16	17.47	17.45	17.48	19.00
		MID	Q16	17.39	17.11	17.35	19.00
		HIGH	Q16	17.18	17.20	17.30	19.00
	50	LOW	Q16	17.65	17.56	17.58	19.00
		MID	Q16	17.67	17.65	17.56	19.00
		HIGH	Q16	17.30	17.34	17.55	19.00
	100	LOW	Q16	17.66	17.44	17.48	19.00
20	1	LOW	64QAM	17.29	17.19	17.59	19.00
		MID	64QAM	17.17	17.27	17.37	19.00
		HIGH	64QAM	17.57	17.43	17.59	19.00
	50	LOW	64QAM	16.94	16.67	16.85	18.00
		MID	64QAM	16.77	16.54	16.75	18.00
		HIGH	64QAM	16.46	16.70	16.50	18.00
	100	LOW	64QAM	16.70	16.71	16.60	18.00

LTE B7-State 15 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	18.10	18.17	17.76	18.50
		MID	QPSK	17.92	17.95	17.56	18.50
		HIGH	QPSK	18.04	17.46	17.36	18.50
	12	LOW	QPSK	17.74	17.72	17.75	18.50
		MID	QPSK	17.97	17.42	17.74	18.50
		HIGH	QPSK	17.40	17.37	17.51	18.50
	25	LOW	QPSK	17.71	17.61	17.50	18.50
5	1	LOW	Q16	17.64	17.47	17.71	18.50
		MID	Q16	17.36	17.30	17.38	18.50
		HIGH	Q16	17.25	17.22	17.37	18.50
	12	LOW	Q16	17.88	17.47	17.62	18.50
		MID	Q16	17.81	17.77	17.61	18.50
		HIGH	Q16	17.51	17.24	17.53	18.50
	25	LOW	Q16	17.85	17.65	17.43	18.50
5	1	LOW	64QAM	17.20	17.24	17.63	18.50
		MID	64QAM	17.19	17.32	17.34	18.50
		HIGH	64QAM	17.78	17.55	17.52	18.50
	12	LOW	64QAM	16.89	16.59	17.02	18.00
		MID	64QAM	16.69	16.74	16.88	18.00
		HIGH	64QAM	16.56	16.62	16.45	18.00
	25	LOW	64QAM	16.77	16.91	16.75	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.95	18.21	17.85	18.50
		MID	QPSK	17.78	17.82	17.63	18.50
		HIGH	QPSK	17.80	17.67	17.36	18.50
	25	LOW	QPSK	17.57	17.84	17.86	18.50
		MID	QPSK	17.83	17.51	17.56	18.50
		HIGH	QPSK	17.28	17.30	17.64	18.50
	50	LOW	QPSK	17.47	17.54	17.63	18.50
10	1	LOW	Q16	17.40	17.55	17.57	18.50
		MID	Q16	17.36	17.30	17.28	18.50
		HIGH	Q16	17.16	17.25	17.27	18.50
	25	LOW	Q16	17.67	17.52	17.77	18.50
		MID	Q16	17.58	17.65	17.63	18.50
		HIGH	Q16	17.44	17.50	17.50	18.50
	50	LOW	Q16	17.75	17.46	17.41	18.50
10	1	LOW	64QAM	17.24	17.12	17.66	18.50
		MID	64QAM	17.20	17.29	17.32	18.50
		HIGH	64QAM	17.78	17.53	17.70	18.50
	25	LOW	64QAM	17.16	16.67	16.85	18.00
		MID	64QAM	16.74	16.44	16.73	18.00
		HIGH	64QAM	16.67	16.83	16.60	18.00
	50	LOW	64QAM	16.75	16.68	16.52	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.15	18.01	17.60	18.50
		MID	QPSK	17.80	17.86	17.61	18.50
		HIGH	QPSK	17.98	17.57	17.34	18.50
	36	LOW	QPSK	17.67	17.76	17.67	18.50
		MID	QPSK	17.85	17.74	17.76	18.50
		HIGH	QPSK	17.35	17.34	17.74	18.50
	75	LOW	QPSK	17.56	17.45	17.50	18.50
15	1	LOW	Q16	17.47	17.62	17.45	18.50
		MID	Q16	17.55	17.18	17.25	18.50
		HIGH	Q16	17.28	17.17	17.49	18.50
	36	LOW	Q16	17.76	17.70	17.62	18.50
		MID	Q16	17.71	17.65	17.77	18.50
		HIGH	Q16	17.39	17.46	17.69	18.50
	75	LOW	Q16	17.77	17.63	17.64	18.50
15	1	LOW	64QAM	17.26	17.16	17.50	18.50
		MID	64QAM	17.08	17.20	17.39	18.50
		HIGH	64QAM	17.46	17.50	17.61	18.50
	36	LOW	64QAM	17.13	16.59	16.82	18.00
		MID	64QAM	16.90	16.71	16.85	18.00
		HIGH	64QAM	16.48	16.83	16.48	18.00
	75	LOW	64QAM	16.87	16.86	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	18.06	17.92	17.64	18.50
		MID	QPSK	17.78	17.84	17.56	18.50
		HIGH	QPSK	17.84	17.53	17.43	18.50
	50	LOW	QPSK	17.53	17.65	17.63	18.50
		MID	QPSK	17.74	17.53	17.65	18.50
		HIGH	QPSK	17.37	17.32	17.55	18.50
	100	LOW	QPSK	17.52	17.47	17.50	18.50
20	1	LOW	Q16	17.47	17.45	17.48	18.50
		MID	Q16	17.39	17.11	17.35	18.50
		HIGH	Q16	17.18	17.20	17.30	18.50
	50	LOW	Q16	17.65	17.56	17.58	18.50
		MID	Q16	17.67	17.65	17.56	18.50
		HIGH	Q16	17.30	17.34	17.55	18.50
	100	LOW	Q16	17.66	17.44	17.48	18.50
20	1	LOW	64QAM	17.29	17.19	17.59	18.50
		MID	64QAM	17.17	17.27	17.37	18.50
		HIGH	64QAM	17.57	17.43	17.59	18.50
	50	LOW	64QAM	16.94	16.67	16.85	18.00
		MID	64QAM	16.77	16.54	16.75	18.00
		HIGH	64QAM	16.46	16.70	16.50	18.00
	100	LOW	64QAM	16.70	16.71	16.60	18.00

LTE B7-State 17 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.11	17.37	17.09	18.00
		MID	QPSK	17.16	17.17	16.96	18.00
		HIGH	QPSK	17.17	16.93	16.86	18.00
	12	LOW	QPSK	17.12	17.20	17.18	18.00
		MID	QPSK	17.27	16.86	17.01	18.00
		HIGH	QPSK	16.92	16.82	17.10	18.00
	25	LOW	QPSK	17.11	17.05	16.85	18.00
5	1	LOW	Q16	17.11	17.03	17.18	18.00
		MID	Q16	17.14	17.05	17.10	18.00
		HIGH	Q16	16.97	17.15	17.13	18.00
	12	LOW	Q16	17.05	16.94	16.99	18.00
		MID	Q16	17.12	17.03	16.87	18.00
		HIGH	Q16	17.11	16.99	16.97	18.00
	25	LOW	Q16	16.97	16.77	17.00	18.00
5	1	LOW	64QAM	17.08	16.94	17.01	18.00
		MID	64QAM	17.00	16.84	16.83	18.00
		HIGH	64QAM	17.12	16.90	17.14	18.00
	12	LOW	64QAM	16.96	16.67	16.82	18.00
		MID	64QAM	16.80	16.52	16.63	18.00
		HIGH	64QAM	16.38	16.75	16.53	18.00
	25	LOW	64QAM	16.78	16.78	16.42	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.11	17.32	17.00	18.00
		MID	QPSK	17.25	17.27	16.96	18.00
		HIGH	QPSK	17.43	17.06	16.86	18.00
	25	LOW	QPSK	17.00	17.20	16.99	18.00
		MID	QPSK	17.33	16.88	17.20	18.00
		HIGH	QPSK	16.77	16.74	16.88	18.00
	50	LOW	QPSK	17.04	16.85	17.00	18.00
10	1	LOW	Q16	17.06	17.03	17.13	18.00
		MID	Q16	16.95	16.90	17.04	18.00
		HIGH	Q16	17.07	17.08	17.05	18.00
	25	LOW	Q16	17.13	16.99	16.99	18.00
		MID	Q16	16.98	16.96	17.06	18.00
		HIGH	Q16	17.06	16.89	17.08	18.00
	50	LOW	Q16	16.99	16.89	17.05	18.00
10	1	LOW	64QAM	17.08	16.88	17.11	18.00
		MID	64QAM	17.07	17.12	16.87	18.00
		HIGH	64QAM	17.14	16.98	16.95	18.00
	25	LOW	64QAM	17.01	16.55	16.78	18.00
		MID	64QAM	16.84	16.44	16.83	18.00
		HIGH	64QAM	16.30	16.57	16.53	18.00
	50	LOW	64QAM	16.73	16.79	16.65	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.06	17.37	17.19	18.00
		MID	QPSK	17.28	17.34	17.11	18.00
		HIGH	QPSK	17.22	16.98	17.01	18.00
	36	LOW	QPSK	16.96	17.03	17.10	18.00
		MID	QPSK	17.22	16.89	17.20	18.00
		HIGH	QPSK	16.90	16.79	17.07	18.00
	75	LOW	QPSK	16.85	17.02	17.03	18.00
15	1	LOW	Q16	17.20	17.13	17.14	18.00
		MID	Q16	16.90	16.95	17.01	18.00
		HIGH	Q16	17.12	17.04	17.11	18.00
	36	LOW	Q16	17.08	17.08	17.03	18.00
		MID	Q16	17.08	17.17	16.91	18.00
		HIGH	Q16	17.01	16.91	17.02	18.00
	75	LOW	Q16	17.13	16.86	16.91	18.00
15	1	LOW	64QAM	17.16	16.96	17.03	18.00
		MID	64QAM	16.96	16.98	16.90	18.00
		HIGH	64QAM	17.10	16.79	17.12	18.00
	36	LOW	64QAM	16.97	16.69	16.87	18.00
		MID	64QAM	16.74	16.56	16.82	18.00
		HIGH	64QAM	16.34	16.53	16.42	18.00
	75	LOW	64QAM	16.68	16.76	16.48	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.33	17.37	17.16	18.00
		MID	QPSK	17.36	17.32	17.24	18.00
		HIGH	QPSK	17.32	17.21	17.08	18.00
	50	LOW	QPSK	17.10	17.10	17.08	18.00
		MID	QPSK	17.33	16.84	17.24	18.00
		HIGH	QPSK	16.80	16.69	16.95	18.00
	100	LOW	QPSK	17.00	16.85	16.98	18.00
20	1	LOW	Q16	17.25	16.94	17.14	18.00
		MID	Q16	16.97	17.07	17.10	18.00
		HIGH	Q16	17.16	17.06	17.22	18.00
	50	LOW	Q16	16.98	17.13	17.03	18.00
		MID	Q16	17.05	17.15	16.96	18.00
		HIGH	Q16	16.96	16.82	17.02	18.00
	100	LOW	Q16	17.25	16.89	17.05	18.00
20	1	LOW	64QAM	16.99	17.03	16.99	18.00
		MID	64QAM	17.10	17.05	16.92	18.00
		HIGH	64QAM	16.90	16.76	16.97	18.00
	50	LOW	64QAM	16.84	16.62	16.88	18.00
		MID	64QAM	16.70	16.41	16.58	18.00
		HIGH	64QAM	16.43	16.65	16.53	18.00
	100	LOW	64QAM	16.63	16.74	16.68	18.00

LTE B7-State 19 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	18.10	18.17	17.76	18.50
		MID	QPSK	17.92	17.95	17.56	18.50
		HIGH	QPSK	18.04	17.46	17.36	18.50
	12	LOW	QPSK	17.74	17.72	17.75	18.50
		MID	QPSK	17.97	17.42	17.74	18.50
		HIGH	QPSK	17.40	17.37	17.51	18.50
	25	LOW	QPSK	17.71	17.61	17.50	18.50
5	1	LOW	Q16	17.64	17.47	17.71	18.50
		MID	Q16	17.36	17.30	17.38	18.50
		HIGH	Q16	17.25	17.22	17.37	18.50
	12	LOW	Q16	17.88	17.47	17.62	18.50
		MID	Q16	17.81	17.77	17.61	18.50
		HIGH	Q16	17.51	17.24	17.53	18.50
	25	LOW	Q16	17.85	17.65	17.43	18.50
5	1	LOW	64QAM	17.20	17.24	17.63	18.50
		MID	64QAM	17.19	17.32	17.34	18.50
		HIGH	64QAM	17.78	17.55	17.52	18.50
	12	LOW	64QAM	16.89	16.59	17.02	18.00
		MID	64QAM	16.69	16.74	16.88	18.00
		HIGH	64QAM	16.56	16.62	16.45	18.00
	25	LOW	64QAM	16.77	16.91	16.75	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.95	18.21	17.85	18.50
		MID	QPSK	17.78	17.82	17.63	18.50
		HIGH	QPSK	17.80	17.67	17.36	18.50
	25	LOW	QPSK	17.57	17.84	17.86	18.50
		MID	QPSK	17.83	17.51	17.56	18.50
		HIGH	QPSK	17.28	17.30	17.64	18.50
	50	LOW	QPSK	17.47	17.54	17.63	18.50
10	1	LOW	Q16	17.40	17.55	17.57	18.50
		MID	Q16	17.36	17.30	17.28	18.50
		HIGH	Q16	17.16	17.25	17.27	18.50
	25	LOW	Q16	17.67	17.52	17.77	18.50
		MID	Q16	17.58	17.65	17.63	18.50
		HIGH	Q16	17.44	17.50	17.50	18.50
	50	LOW	Q16	17.75	17.46	17.41	18.50
10	1	LOW	64QAM	17.24	17.12	17.66	18.50
		MID	64QAM	17.20	17.29	17.32	18.50
		HIGH	64QAM	17.78	17.53	17.70	18.50
	25	LOW	64QAM	17.16	16.67	16.85	18.00
		MID	64QAM	16.74	16.44	16.73	18.00
		HIGH	64QAM	16.67	16.83	16.60	18.00
	50	LOW	64QAM	16.75	16.68	16.52	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.15	18.01	17.60	18.50
		MID	QPSK	17.80	17.86	17.61	18.50
		HIGH	QPSK	17.98	17.57	17.34	18.50
	36	LOW	QPSK	17.67	17.76	17.67	18.50
		MID	QPSK	17.85	17.74	17.76	18.50
		HIGH	QPSK	17.35	17.34	17.74	18.50
	75	LOW	QPSK	17.56	17.45	17.50	18.50
15	1	LOW	Q16	17.47	17.62	17.45	18.50
		MID	Q16	17.55	17.18	17.25	18.50
		HIGH	Q16	17.28	17.17	17.49	18.50
	36	LOW	Q16	17.76	17.70	17.62	18.50
		MID	Q16	17.71	17.65	17.77	18.50
		HIGH	Q16	17.39	17.46	17.69	18.50
	75	LOW	Q16	17.77	17.63	17.64	18.50
15	1	LOW	64QAM	17.26	17.16	17.50	18.50
		MID	64QAM	17.08	17.20	17.39	18.50
		HIGH	64QAM	17.46	17.50	17.61	18.50
	36	LOW	64QAM	17.13	16.59	16.82	18.00
		MID	64QAM	16.90	16.71	16.85	18.00
		HIGH	64QAM	16.48	16.83	16.48	18.00
	75	LOW	64QAM	16.87	16.86	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	18.06	17.92	17.64	18.50
		MID	QPSK	17.78	17.84	17.56	18.50
		HIGH	QPSK	17.84	17.53	17.43	18.50
	50	LOW	QPSK	17.53	17.65	17.63	18.50
		MID	QPSK	17.74	17.53	17.65	18.50
		HIGH	QPSK	17.37	17.32	17.55	18.50
	100	LOW	QPSK	17.52	17.47	17.50	18.50
20	1	LOW	Q16	17.47	17.45	17.48	18.50
		MID	Q16	17.39	17.11	17.35	18.50
		HIGH	Q16	17.18	17.20	17.30	18.50
	50	LOW	Q16	17.65	17.56	17.58	18.50
		MID	Q16	17.67	17.65	17.56	18.50
		HIGH	Q16	17.30	17.34	17.55	18.50
	100	LOW	Q16	17.66	17.44	17.48	18.50
20	1	LOW	64QAM	17.29	17.19	17.59	18.50
		MID	64QAM	17.17	17.27	17.37	18.50
		HIGH	64QAM	17.57	17.43	17.59	18.50
	50	LOW	64QAM	16.94	16.67	16.85	18.00
		MID	64QAM	16.77	16.54	16.75	18.00
		HIGH	64QAM	16.46	16.70	16.50	18.00
	100	LOW	64QAM	16.70	16.71	16.60	18.00

LTE B7-State 12 -Ant.4(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.89	17.74	17.53	19.00
		MID	QPSK	17.67	17.70	17.63	19.00
		HIGH	QPSK	17.75	17.35	17.46	19.00
	12	LOW	QPSK	17.48	17.72	17.63	19.00
		MID	QPSK	17.67	17.34	17.70	19.00
		HIGH	QPSK	17.20	17.30	17.57	19.00
	25	LOW	QPSK	17.38	17.28	17.40	19.00
5	1	LOW	Q16	17.33	17.50	17.41	19.00
		MID	Q16	17.46	17.02	17.32	19.00
		HIGH	Q16	17.25	17.23	17.16	19.00
	12	LOW	Q16	17.60	17.42	17.67	19.00
		MID	Q16	17.72	17.58	17.42	19.00
		HIGH	Q16	17.23	17.37	17.44	19.00
	25	LOW	Q16	17.61	17.25	17.31	19.00
5	1	LOW	64QAM	17.15	17.02	17.68	19.00
		MID	64QAM	17.10	17.15	17.25	19.00
		HIGH	64QAM	17.39	17.48	17.57	19.00
	12	LOW	64QAM	16.82	16.64	16.92	18.00
		MID	64QAM	16.60	16.59	16.68	18.00
		HIGH	64QAM	16.28	16.52	16.58	18.00
	25	LOW	64QAM	16.57	16.54	16.57	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.90	17.72	17.59	19.00
		MID	QPSK	17.74	17.88	17.47	19.00
		HIGH	QPSK	17.64	17.51	17.27	19.00
	25	LOW	QPSK	17.60	17.67	17.65	19.00
		MID	QPSK	17.62	17.35	17.61	19.00
		HIGH	QPSK	17.42	17.37	17.59	19.00
10	50	LOW	QPSK	17.50	17.56	17.33	19.00
	1	LOW	Q16	17.54	17.54	17.48	19.00
		MID	Q16	17.30	17.09	17.25	19.00
		HIGH	Q16	17.03	17.17	17.37	19.00
10	25	LOW	Q16	17.53	17.44	17.39	19.00
		MID	Q16	17.65	17.67	17.65	19.00
		HIGH	Q16	17.37	17.17	17.46	19.00
	50	LOW	Q16	17.59	17.44	17.46	19.00
10	1	LOW	64QAM	17.24	17.17	17.45	19.00
		MID	64QAM	17.24	17.36	17.28	19.00
		HIGH	64QAM	17.48	17.40	17.54	19.00
	25	LOW	64QAM	16.97	16.62	16.92	18.00
		MID	64QAM	16.85	16.46	16.65	18.00
		HIGH	64QAM	16.54	16.58	16.48	18.00
	50	LOW	64QAM	16.57	16.54	16.57	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.88	17.97	17.46	19.00
		MID	QPSK	17.74	17.77	17.45	19.00
		HIGH	QPSK	17.73	17.44	17.24	19.00
	36	LOW	QPSK	17.48	17.63	17.52	19.00
		MID	QPSK	17.56	17.57	17.58	19.00
		HIGH	QPSK	17.28	17.29	17.36	19.00
	75	LOW	QPSK	17.45	17.44	17.55	19.00
15	1	LOW	Q16	17.50	17.40	17.50	19.00
		MID	Q16	17.20	17.24	17.38	19.00
		HIGH	Q16	17.20	17.10	17.21	19.00
	36	LOW	Q16	17.56	17.52	17.42	19.00
		MID	Q16	17.53	17.72	17.37	19.00
		HIGH	Q16	17.35	17.37	17.51	19.00
	75	LOW	Q16	17.48	17.39	17.41	19.00
15	1	LOW	64QAM	17.27	17.19	17.40	19.00
		MID	64QAM	17.08	17.36	17.21	19.00
		HIGH	64QAM	17.57	17.50	17.52	19.00
	36	LOW	64QAM	16.87	16.70	16.66	18.00
		MID	64QAM	16.82	16.59	16.68	18.00
		HIGH	64QAM	16.33	16.67	16.50	18.00
	75	LOW	64QAM	16.52	16.69	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.95	17.92	17.73	19.00
		MID	QPSK	17.76	17.79	17.37	19.00
		HIGH	QPSK	17.93	17.35	17.50	19.00
	50	LOW	QPSK	17.41	17.56	17.52	19.00
		MID	QPSK	17.70	17.46	17.67	19.00
		HIGH	QPSK	17.23	17.18	17.64	19.00
	100	LOW	QPSK	17.52	17.35	17.38	19.00
20	1	LOW	Q16	17.35	17.38	17.46	19.00
		MID	Q16	17.27	17.01	17.23	19.00
		HIGH	Q16	17.25	17.20	17.28	19.00
	50	LOW	Q16	17.47	17.56	17.44	19.00
		MID	Q16	17.72	17.53	17.42	19.00
		HIGH	Q16	17.33	17.18	17.43	19.00
	100	LOW	Q16	17.75	17.37	17.41	19.00
20	1	LOW	64QAM	17.27	17.10	17.61	19.00
		MID	64QAM	17.08	17.36	17.28	19.00
		HIGH	64QAM	17.57	17.36	17.52	19.00
	50	LOW	64QAM	16.84	16.69	16.68	18.00
		MID	64QAM	16.75	16.57	16.65	18.00
		HIGH	64QAM	16.43	16.52	16.38	18.00
	100	LOW	64QAM	16.75	16.76	16.63	18.00

LTE B7-State 16 -Ant.4(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.89	17.74	17.53	18.50
		MID	QPSK	17.67	17.70	17.63	18.50
		HIGH	QPSK	17.75	17.35	17.46	18.50
	12	LOW	QPSK	17.48	17.72	17.63	18.50
		MID	QPSK	17.67	17.34	17.70	18.50
		HIGH	QPSK	17.20	17.30	17.57	18.50
	25	LOW	QPSK	17.38	17.28	17.40	18.50
5	1	LOW	Q16	17.33	17.50	17.41	18.50
		MID	Q16	17.46	17.02	17.32	18.50
		HIGH	Q16	17.25	17.23	17.16	18.50
	12	LOW	Q16	17.60	17.42	17.67	18.50
		MID	Q16	17.72	17.58	17.42	18.50
		HIGH	Q16	17.23	17.37	17.44	18.50
	25	LOW	Q16	17.61	17.25	17.31	18.50
5	1	LOW	64QAM	17.15	17.02	17.68	18.50
		MID	64QAM	17.10	17.15	17.25	18.50
		HIGH	64QAM	17.39	17.48	17.57	18.50
	12	LOW	64QAM	16.82	16.64	16.92	18.00
		MID	64QAM	16.60	16.59	16.68	18.00
		HIGH	64QAM	16.28	16.52	16.58	18.00
	25	LOW	64QAM	16.57	16.54	16.57	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.90	17.72	17.59	18.50
		MID	QPSK	17.74	17.88	17.47	18.50
		HIGH	QPSK	17.64	17.51	17.27	18.50
	25	LOW	QPSK	17.60	17.67	17.65	18.50
		MID	QPSK	17.62	17.35	17.61	18.50
		HIGH	QPSK	17.42	17.37	17.59	18.50
	50	LOW	QPSK	17.50	17.56	17.33	18.50
10	1	LOW	Q16	17.54	17.54	17.48	18.50
		MID	Q16	17.30	17.09	17.25	18.50
		HIGH	Q16	17.03	17.17	17.37	18.50
	25	LOW	Q16	17.53	17.44	17.39	18.50
		MID	Q16	17.65	17.67	17.65	18.50
		HIGH	Q16	17.37	17.17	17.46	18.50
	50	LOW	Q16	17.59	17.44	17.46	18.50
10	1	LOW	64QAM	17.24	17.17	17.45	18.50
		MID	64QAM	17.24	17.36	17.28	18.50
		HIGH	64QAM	17.48	17.40	17.54	18.50
	25	LOW	64QAM	16.97	16.62	16.92	18.00
		MID	64QAM	16.85	16.46	16.65	18.00
		HIGH	64QAM	16.54	16.58	16.48	18.00
	50	LOW	64QAM	16.57	16.54	16.57	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.88	17.97	17.46	18.50
		MID	QPSK	17.74	17.77	17.45	18.50
		HIGH	QPSK	17.73	17.44	17.24	18.50
	36	LOW	QPSK	17.48	17.63	17.52	18.50
		MID	QPSK	17.56	17.57	17.58	18.50
		HIGH	QPSK	17.28	17.29	17.36	18.50
75	LOW	QPSK	17.45	17.44	17.55	18.50	
15	1	LOW	Q16	17.50	17.40	17.50	18.50
		MID	Q16	17.20	17.24	17.38	18.50
		HIGH	Q16	17.20	17.10	17.21	18.50
	36	LOW	Q16	17.56	17.52	17.42	18.50
		MID	Q16	17.53	17.72	17.37	18.50
		HIGH	Q16	17.35	17.37	17.51	18.50
75	LOW	Q16	17.48	17.39	17.41	18.50	
15	1	LOW	64QAM	17.27	17.19	17.40	18.50
		MID	64QAM	17.08	17.36	17.21	18.50
		HIGH	64QAM	17.57	17.50	17.52	18.50
	36	LOW	64QAM	16.87	16.70	16.66	18.00
		MID	64QAM	16.82	16.59	16.68	18.00
		HIGH	64QAM	16.33	16.67	16.50	18.00
75	LOW	64QAM	16.52	16.69	16.53	18.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.95	17.92	17.73	18.50
		MID	QPSK	17.76	17.79	17.37	18.50
		HIGH	QPSK	17.93	17.35	17.50	18.50
	50	LOW	QPSK	17.41	17.56	17.52	18.50
		MID	QPSK	17.70	17.46	17.67	18.50
		HIGH	QPSK	17.23	17.18	17.64	18.50
100	LOW	QPSK	17.52	17.35	17.38	18.50	
20	1	LOW	Q16	17.35	17.38	17.46	18.50
		MID	Q16	17.27	17.01	17.23	18.50
		HIGH	Q16	17.25	17.20	17.28	18.50
	50	LOW	Q16	17.47	17.56	17.44	18.50
		MID	Q16	17.72	17.53	17.42	18.50
		HIGH	Q16	17.33	17.18	17.43	18.50
100	LOW	Q16	17.75	17.37	17.41	18.50	
20	1	LOW	64QAM	17.27	17.10	17.61	18.50
		MID	64QAM	17.08	17.36	17.28	18.50
		HIGH	64QAM	17.57	17.36	17.52	18.50
	50	LOW	64QAM	16.84	16.69	16.68	18.00
		MID	64QAM	16.75	16.57	16.65	18.00
		HIGH	64QAM	16.43	16.52	16.38	18.00
100	LOW	64QAM	16.75	16.76	16.63	18.00	

LTE B7-State 18 -Ant.4(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.89	17.74	17.53	18.00
		MID	QPSK	17.67	17.70	17.63	18.00
		HIGH	QPSK	17.75	17.35	17.46	18.00
	12	LOW	QPSK	17.48	17.72	17.63	18.00
		MID	QPSK	17.67	17.34	17.70	18.00
		HIGH	QPSK	17.20	17.30	17.57	18.00
	25	LOW	QPSK	17.38	17.28	17.40	18.00
5	1	LOW	Q16	17.33	17.50	17.41	18.00
		MID	Q16	17.46	17.02	17.32	18.00
		HIGH	Q16	17.25	17.23	17.16	18.00
	12	LOW	Q16	17.60	17.42	17.67	18.00
		MID	Q16	17.72	17.58	17.42	18.00
		HIGH	Q16	17.23	17.37	17.44	18.00
	25	LOW	Q16	17.61	17.25	17.31	18.00
5	1	LOW	64QAM	17.15	17.02	17.68	18.00
		MID	64QAM	17.10	17.15	17.25	18.00
		HIGH	64QAM	17.39	17.48	17.57	18.00
	12	LOW	64QAM	16.82	16.64	16.92	18.00
		MID	64QAM	16.60	16.59	16.68	18.00
		HIGH	64QAM	16.28	16.52	16.58	18.00
	25	LOW	64QAM	16.57	16.54	16.57	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.90	17.72	17.59	18.00
		MID	QPSK	17.74	17.88	17.47	18.00
		HIGH	QPSK	17.64	17.51	17.27	18.00
	25	LOW	QPSK	17.60	17.67	17.65	18.00
		MID	QPSK	17.62	17.35	17.61	18.00
		HIGH	QPSK	17.42	17.37	17.59	18.00
	50	LOW	QPSK	17.50	17.56	17.33	18.00
10	1	LOW	Q16	17.54	17.54	17.48	18.00
		MID	Q16	17.30	17.09	17.25	18.00
		HIGH	Q16	17.03	17.17	17.37	18.00
	25	LOW	Q16	17.53	17.44	17.39	18.00
		MID	Q16	17.65	17.67	17.65	18.00
		HIGH	Q16	17.37	17.17	17.46	18.00
	50	LOW	Q16	17.59	17.44	17.46	18.00
10	1	LOW	64QAM	17.24	17.17	17.45	18.00
		MID	64QAM	17.24	17.36	17.28	18.00
		HIGH	64QAM	17.48	17.40	17.54	18.00
	25	LOW	64QAM	16.97	16.62	16.92	18.00
		MID	64QAM	16.85	16.46	16.65	18.00
		HIGH	64QAM	16.54	16.58	16.48	18.00
	50	LOW	64QAM	16.57	16.54	16.57	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.88	17.97	17.46	18.00
		MID	QPSK	17.74	17.77	17.45	18.00
		HIGH	QPSK	17.73	17.44	17.24	18.00
	36	LOW	QPSK	17.48	17.63	17.52	18.00
		MID	QPSK	17.56	17.57	17.58	18.00
		HIGH	QPSK	17.28	17.29	17.36	18.00
	75	LOW	QPSK	17.45	17.44	17.55	18.00
15	1	LOW	Q16	17.50	17.40	17.50	18.00
		MID	Q16	17.20	17.24	17.38	18.00
		HIGH	Q16	17.20	17.10	17.21	18.00
	36	LOW	Q16	17.56	17.52	17.42	18.00
		MID	Q16	17.53	17.72	17.37	18.00
		HIGH	Q16	17.35	17.37	17.51	18.00
	75	LOW	Q16	17.48	17.39	17.41	18.00
15	1	LOW	64QAM	17.27	17.19	17.40	18.00
		MID	64QAM	17.08	17.36	17.21	18.00
		HIGH	64QAM	17.57	17.50	17.52	18.00
	36	LOW	64QAM	16.87	16.70	16.66	18.00
		MID	64QAM	16.82	16.59	16.68	18.00
		HIGH	64QAM	16.33	16.67	16.50	18.00
	75	LOW	64QAM	16.52	16.69	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.95	17.92	17.73	18.00
		MID	QPSK	17.76	17.79	17.37	18.00
		HIGH	QPSK	17.93	17.35	17.50	18.00
	50	LOW	QPSK	17.41	17.56	17.52	18.00
		MID	QPSK	17.70	17.46	17.67	18.00
		HIGH	QPSK	17.23	17.18	17.64	18.00
	100	LOW	QPSK	17.52	17.35	17.38	18.00
20	1	LOW	Q16	17.35	17.38	17.46	18.00
		MID	Q16	17.27	17.01	17.23	18.00
		HIGH	Q16	17.25	17.20	17.28	18.00
	50	LOW	Q16	17.47	17.56	17.44	18.00
		MID	Q16	17.72	17.53	17.42	18.00
		HIGH	Q16	17.33	17.18	17.43	18.00
	100	LOW	Q16	17.75	17.37	17.41	18.00
20	1	LOW	64QAM	17.27	17.10	17.61	18.00
		MID	64QAM	17.08	17.36	17.28	18.00
		HIGH	64QAM	17.57	17.36	17.52	18.00
	50	LOW	64QAM	16.84	16.69	16.68	18.00
		MID	64QAM	16.75	16.57	16.65	18.00
		HIGH	64QAM	16.43	16.52	16.38	18.00
	100	LOW	64QAM	16.75	16.76	16.63	18.00

LTE B7-State 20 -Ant.4(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.89	17.74	17.53	18.50
		MID	QPSK	17.67	17.70	17.63	18.50
		HIGH	QPSK	17.75	17.35	17.46	18.50
	12	LOW	QPSK	17.48	17.72	17.63	18.50
		MID	QPSK	17.67	17.34	17.70	18.50
		HIGH	QPSK	17.20	17.30	17.57	18.50
	25	LOW	QPSK	17.38	17.28	17.40	18.50
5	1	LOW	Q16	17.33	17.50	17.41	18.50
		MID	Q16	17.46	17.02	17.32	18.50
		HIGH	Q16	17.25	17.23	17.16	18.50
	12	LOW	Q16	17.60	17.42	17.67	18.50
		MID	Q16	17.72	17.58	17.42	18.50
		HIGH	Q16	17.23	17.37	17.44	18.50
	25	LOW	Q16	17.61	17.25	17.31	18.50
5	1	LOW	64QAM	17.15	17.02	17.68	18.50
		MID	64QAM	17.10	17.15	17.25	18.50
		HIGH	64QAM	17.39	17.48	17.57	18.50
	12	LOW	64QAM	16.82	16.64	16.92	18.00
		MID	64QAM	16.60	16.59	16.68	18.00
		HIGH	64QAM	16.28	16.52	16.58	18.00
	25	LOW	64QAM	16.57	16.54	16.57	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.90	17.72	17.59	18.50
		MID	QPSK	17.74	17.88	17.47	18.50
		HIGH	QPSK	17.64	17.51	17.27	18.50
	25	LOW	QPSK	17.60	17.67	17.65	18.50
		MID	QPSK	17.62	17.35	17.61	18.50
		HIGH	QPSK	17.42	17.37	17.59	18.50
	50	LOW	QPSK	17.50	17.56	17.33	18.50
10	1	LOW	Q16	17.54	17.54	17.48	18.50
		MID	Q16	17.30	17.09	17.25	18.50
		HIGH	Q16	17.03	17.17	17.37	18.50
	25	LOW	Q16	17.53	17.44	17.39	18.50
		MID	Q16	17.65	17.67	17.65	18.50
		HIGH	Q16	17.37	17.17	17.46	18.50
	50	LOW	Q16	17.59	17.44	17.46	18.50
10	1	LOW	64QAM	17.24	17.17	17.45	18.50
		MID	64QAM	17.24	17.36	17.28	18.50
		HIGH	64QAM	17.48	17.40	17.54	18.50
	25	LOW	64QAM	16.97	16.62	16.92	18.00
		MID	64QAM	16.85	16.46	16.65	18.00
		HIGH	64QAM	16.54	16.58	16.48	18.00
	50	LOW	64QAM	16.57	16.54	16.57	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.88	17.97	17.46	18.50
		MID	QPSK	17.74	17.77	17.45	18.50
		HIGH	QPSK	17.73	17.44	17.24	18.50
	36	LOW	QPSK	17.48	17.63	17.52	18.50
		MID	QPSK	17.56	17.57	17.58	18.50
		HIGH	QPSK	17.28	17.29	17.36	18.50
	75	LOW	QPSK	17.45	17.44	17.55	18.50
15	1	LOW	Q16	17.50	17.40	17.50	18.50
		MID	Q16	17.20	17.24	17.38	18.50
		HIGH	Q16	17.20	17.10	17.21	18.50
	36	LOW	Q16	17.56	17.52	17.42	18.50
		MID	Q16	17.53	17.72	17.37	18.50
		HIGH	Q16	17.35	17.37	17.51	18.50
	75	LOW	Q16	17.48	17.39	17.41	18.50
15	1	LOW	64QAM	17.27	17.19	17.40	18.50
		MID	64QAM	17.08	17.36	17.21	18.50
		HIGH	64QAM	17.57	17.50	17.52	18.50
	36	LOW	64QAM	16.87	16.70	16.66	18.00
		MID	64QAM	16.82	16.59	16.68	18.00
		HIGH	64QAM	16.33	16.67	16.50	18.00
	75	LOW	64QAM	16.52	16.69	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.95	17.92	17.73	18.50
		MID	QPSK	17.76	17.79	17.37	18.50
		HIGH	QPSK	17.93	17.35	17.50	18.50
	50	LOW	QPSK	17.41	17.56	17.52	18.50
		MID	QPSK	17.70	17.46	17.67	18.50
		HIGH	QPSK	17.23	17.18	17.64	18.50
	100	LOW	QPSK	17.52	17.35	17.38	18.50
20	1	LOW	Q16	17.35	17.38	17.46	18.50
		MID	Q16	17.27	17.01	17.23	18.50
		HIGH	Q16	17.25	17.20	17.28	18.50
	50	LOW	Q16	17.47	17.56	17.44	18.50
		MID	Q16	17.72	17.53	17.42	18.50
		HIGH	Q16	17.33	17.18	17.43	18.50
	100	LOW	Q16	17.75	17.37	17.41	18.50
20	1	LOW	64QAM	17.27	17.10	17.61	18.50
		MID	64QAM	17.08	17.36	17.28	18.50
		HIGH	64QAM	17.57	17.36	17.52	18.50
	50	LOW	64QAM	16.84	16.69	16.68	18.00
		MID	64QAM	16.75	16.57	16.65	18.00
		HIGH	64QAM	16.43	16.52	16.38	18.00
	100	LOW	64QAM	16.75	16.76	16.63	18.00

LTE B7-State 11-Ant.4(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.89	17.74	17.53	19.00
		MID	QPSK	17.67	17.70	17.63	19.00
		HIGH	QPSK	17.75	17.35	17.46	19.00
	12	LOW	QPSK	17.48	17.72	17.63	19.00
		MID	QPSK	17.67	17.34	17.70	19.00
		HIGH	QPSK	17.20	17.30	17.57	19.00
	25	LOW	QPSK	17.38	17.28	17.40	19.00
5	1	LOW	Q16	17.33	17.50	17.41	19.00
		MID	Q16	17.46	17.02	17.32	19.00
		HIGH	Q16	17.25	17.23	17.16	19.00
	12	LOW	Q16	17.60	17.42	17.67	19.00
		MID	Q16	17.72	17.58	17.42	19.00
		HIGH	Q16	17.23	17.37	17.44	19.00
	25	LOW	Q16	17.61	17.25	17.31	19.00
5	1	LOW	64QAM	17.15	17.02	17.68	19.00
		MID	64QAM	17.10	17.15	17.25	19.00
		HIGH	64QAM	17.39	17.48	17.57	19.00
	12	LOW	64QAM	16.82	16.64	16.92	18.00
		MID	64QAM	16.60	16.59	16.68	18.00
		HIGH	64QAM	16.28	16.52	16.58	18.00
	25	LOW	64QAM	16.57	16.54	16.57	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.90	17.72	17.59	19.00
		MID	QPSK	17.74	17.88	17.47	19.00
		HIGH	QPSK	17.64	17.51	17.27	19.00
	25	LOW	QPSK	17.60	17.67	17.65	19.00
		MID	QPSK	17.62	17.35	17.61	19.00
		HIGH	QPSK	17.42	17.37	17.59	19.00
10	50	LOW	QPSK	17.50	17.56	17.33	19.00
	1	LOW	Q16	17.54	17.54	17.48	19.00
		MID	Q16	17.30	17.09	17.25	19.00
		HIGH	Q16	17.03	17.17	17.37	19.00
10	25	LOW	Q16	17.53	17.44	17.39	19.00
		MID	Q16	17.65	17.67	17.65	19.00
		HIGH	Q16	17.37	17.17	17.46	19.00
	50	LOW	Q16	17.59	17.44	17.46	19.00
	1	LOW	64QAM	17.24	17.17	17.45	19.00
		MID	64QAM	17.24	17.36	17.28	19.00
		HIGH	64QAM	17.48	17.40	17.54	19.00
10	25	LOW	64QAM	16.97	16.62	16.92	18.00
		MID	64QAM	16.85	16.46	16.65	18.00
		HIGH	64QAM	16.54	16.58	16.48	18.00
	50	LOW	64QAM	16.57	16.54	16.57	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.88	17.97	17.46	19.00
		MID	QPSK	17.74	17.77	17.45	19.00
		HIGH	QPSK	17.73	17.44	17.24	19.00
	36	LOW	QPSK	17.48	17.63	17.52	19.00
		MID	QPSK	17.56	17.57	17.58	19.00
		HIGH	QPSK	17.28	17.29	17.36	19.00
	75	LOW	QPSK	17.45	17.44	17.55	19.00
15	1	LOW	Q16	17.50	17.40	17.50	19.00
		MID	Q16	17.20	17.24	17.38	19.00
		HIGH	Q16	17.20	17.10	17.21	19.00
	36	LOW	Q16	17.56	17.52	17.42	19.00
		MID	Q16	17.53	17.72	17.37	19.00
		HIGH	Q16	17.35	17.37	17.51	19.00
	75	LOW	Q16	17.48	17.39	17.41	19.00
15	1	LOW	64QAM	17.27	17.19	17.40	19.00
		MID	64QAM	17.08	17.36	17.21	19.00
		HIGH	64QAM	17.57	17.50	17.52	19.00
	36	LOW	64QAM	16.87	16.70	16.66	18.00
		MID	64QAM	16.82	16.59	16.68	18.00
		HIGH	64QAM	16.33	16.67	16.50	18.00
	75	LOW	64QAM	16.52	16.69	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.95	17.92	17.73	19.00
		MID	QPSK	17.76	17.79	17.37	19.00
		HIGH	QPSK	17.93	17.35	17.50	19.00
	50	LOW	QPSK	17.41	17.56	17.52	19.00
		MID	QPSK	17.70	17.46	17.67	19.00
		HIGH	QPSK	17.23	17.18	17.64	19.00
	100	LOW	QPSK	17.52	17.35	17.38	19.00
20	1	LOW	Q16	17.35	17.38	17.46	19.00
		MID	Q16	17.27	17.01	17.23	19.00
		HIGH	Q16	17.25	17.20	17.28	19.00
	50	LOW	Q16	17.47	17.56	17.44	19.00
		MID	Q16	17.72	17.53	17.42	19.00
		HIGH	Q16	17.33	17.18	17.43	19.00
	100	LOW	Q16	17.75	17.37	17.41	19.00
20	1	LOW	64QAM	17.27	17.10	17.61	19.00
		MID	64QAM	17.08	17.36	17.28	19.00
		HIGH	64QAM	17.57	17.36	17.52	19.00
	50	LOW	64QAM	16.84	16.69	16.68	18.00
		MID	64QAM	16.75	16.57	16.65	18.00
		HIGH	64QAM	16.43	16.52	16.38	18.00
	100	LOW	64QAM	16.75	16.76	16.63	18.00

LTE B7-State 15 -Ant.4(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.89	17.74	17.53	18.50
		MID	QPSK	17.67	17.70	17.63	18.50
		HIGH	QPSK	17.75	17.35	17.46	18.50
	12	LOW	QPSK	17.48	17.72	17.63	18.50
		MID	QPSK	17.67	17.34	17.70	18.50
		HIGH	QPSK	17.20	17.30	17.57	18.50
	25	LOW	QPSK	17.38	17.28	17.40	18.50
5	1	LOW	Q16	17.33	17.50	17.41	18.50
		MID	Q16	17.46	17.02	17.32	18.50
		HIGH	Q16	17.25	17.23	17.16	18.50
	12	LOW	Q16	17.60	17.42	17.67	18.50
		MID	Q16	17.72	17.58	17.42	18.50
		HIGH	Q16	17.23	17.37	17.44	18.50
	25	LOW	Q16	17.61	17.25	17.31	18.50
5	1	LOW	64QAM	17.15	17.02	17.68	18.50
		MID	64QAM	17.10	17.15	17.25	18.50
		HIGH	64QAM	17.39	17.48	17.57	18.50
	12	LOW	64QAM	16.82	16.64	16.92	18.00
		MID	64QAM	16.60	16.59	16.68	18.00
		HIGH	64QAM	16.28	16.52	16.58	18.00
	25	LOW	64QAM	16.57	16.54	16.57	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.90	17.72	17.59	18.50
		MID	QPSK	17.74	17.88	17.47	18.50
		HIGH	QPSK	17.64	17.51	17.27	18.50
	25	LOW	QPSK	17.60	17.67	17.65	18.50
		MID	QPSK	17.62	17.35	17.61	18.50
		HIGH	QPSK	17.42	17.37	17.59	18.50
10	50	LOW	QPSK	17.50	17.56	17.33	18.50
	1	LOW	Q16	17.54	17.54	17.48	18.50
		MID	Q16	17.30	17.09	17.25	18.50
		HIGH	Q16	17.03	17.17	17.37	18.50
10	25	LOW	Q16	17.53	17.44	17.39	18.50
		MID	Q16	17.65	17.67	17.65	18.50
		HIGH	Q16	17.37	17.17	17.46	18.50
	50	LOW	Q16	17.59	17.44	17.46	18.50
10	1	LOW	64QAM	17.24	17.17	17.45	18.50
		MID	64QAM	17.24	17.36	17.28	18.50
		HIGH	64QAM	17.48	17.40	17.54	18.50
	25	LOW	64QAM	16.97	16.62	16.92	18.00
		MID	64QAM	16.85	16.46	16.65	18.00
		HIGH	64QAM	16.54	16.58	16.48	18.00
	50	LOW	64QAM	16.57	16.54	16.57	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.88	17.97	17.46	18.50
		MID	QPSK	17.74	17.77	17.45	18.50
		HIGH	QPSK	17.73	17.44	17.24	18.50
	36	LOW	QPSK	17.48	17.63	17.52	18.50
		MID	QPSK	17.56	17.57	17.58	18.50
		HIGH	QPSK	17.28	17.29	17.36	18.50
	75	LOW	QPSK	17.45	17.44	17.55	18.50
15	1	LOW	Q16	17.50	17.40	17.50	18.50
		MID	Q16	17.20	17.24	17.38	18.50
		HIGH	Q16	17.20	17.10	17.21	18.50
	36	LOW	Q16	17.56	17.52	17.42	18.50
		MID	Q16	17.53	17.72	17.37	18.50
		HIGH	Q16	17.35	17.37	17.51	18.50
	75	LOW	Q16	17.48	17.39	17.41	18.50
15	1	LOW	64QAM	17.27	17.19	17.40	18.50
		MID	64QAM	17.08	17.36	17.21	18.50
		HIGH	64QAM	17.57	17.50	17.52	18.50
	36	LOW	64QAM	16.87	16.70	16.66	18.00
		MID	64QAM	16.82	16.59	16.68	18.00
		HIGH	64QAM	16.33	16.67	16.50	18.00
	75	LOW	64QAM	16.52	16.69	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.95	17.92	17.73	18.50
		MID	QPSK	17.76	17.79	17.37	18.50
		HIGH	QPSK	17.93	17.35	17.50	18.50
	50	LOW	QPSK	17.41	17.56	17.52	18.50
		MID	QPSK	17.70	17.46	17.67	18.50
		HIGH	QPSK	17.23	17.18	17.64	18.50
	100	LOW	QPSK	17.52	17.35	17.38	18.50
20	1	LOW	Q16	17.35	17.38	17.46	18.50
		MID	Q16	17.27	17.01	17.23	18.50
		HIGH	Q16	17.25	17.20	17.28	18.50
	50	LOW	Q16	17.47	17.56	17.44	18.50
		MID	Q16	17.72	17.53	17.42	18.50
		HIGH	Q16	17.33	17.18	17.43	18.50
	100	LOW	Q16	17.75	17.37	17.41	18.50
20	1	LOW	64QAM	17.27	17.10	17.61	18.50
		MID	64QAM	17.08	17.36	17.28	18.50
		HIGH	64QAM	17.57	17.36	17.52	18.50
	50	LOW	64QAM	16.84	16.69	16.68	18.00
		MID	64QAM	16.75	16.57	16.65	18.00
		HIGH	64QAM	16.43	16.52	16.38	18.00
	100	LOW	64QAM	16.75	16.76	16.63	18.00

LTE B7-State 17 -Ant.4(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.89	17.74	17.53	18.00
		MID	QPSK	17.67	17.70	17.63	18.00
		HIGH	QPSK	17.75	17.35	17.46	18.00
	12	LOW	QPSK	17.48	17.72	17.63	18.00
		MID	QPSK	17.67	17.34	17.70	18.00
		HIGH	QPSK	17.20	17.30	17.57	18.00
	25	LOW	QPSK	17.38	17.28	17.40	18.00
5	1	LOW	Q16	17.33	17.50	17.41	18.00
		MID	Q16	17.46	17.02	17.32	18.00
		HIGH	Q16	17.25	17.23	17.16	18.00
	12	LOW	Q16	17.60	17.42	17.67	18.00
		MID	Q16	17.72	17.58	17.42	18.00
		HIGH	Q16	17.23	17.37	17.44	18.00
	25	LOW	Q16	17.61	17.25	17.31	18.00
5	1	LOW	64QAM	17.15	17.02	17.68	18.00
		MID	64QAM	17.10	17.15	17.25	18.00
		HIGH	64QAM	17.39	17.48	17.57	18.00
	12	LOW	64QAM	16.82	16.64	16.92	18.00
		MID	64QAM	16.60	16.59	16.68	18.00
		HIGH	64QAM	16.28	16.52	16.58	18.00
	25	LOW	64QAM	16.57	16.54	16.57	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.90	17.72	17.59	18.00
		MID	QPSK	17.74	17.88	17.47	18.00
		HIGH	QPSK	17.64	17.51	17.27	18.00
	25	LOW	QPSK	17.60	17.67	17.65	18.00
		MID	QPSK	17.62	17.35	17.61	18.00
		HIGH	QPSK	17.42	17.37	17.59	18.00
	50	LOW	QPSK	17.50	17.56	17.33	18.00
10	1	LOW	Q16	17.54	17.54	17.48	18.00
		MID	Q16	17.30	17.09	17.25	18.00
		HIGH	Q16	17.03	17.17	17.37	18.00
	25	LOW	Q16	17.53	17.44	17.39	18.00
		MID	Q16	17.65	17.67	17.65	18.00
		HIGH	Q16	17.37	17.17	17.46	18.00
	50	LOW	Q16	17.59	17.44	17.46	18.00
10	1	LOW	64QAM	17.24	17.17	17.45	18.00
		MID	64QAM	17.24	17.36	17.28	18.00
		HIGH	64QAM	17.48	17.40	17.54	18.00
	25	LOW	64QAM	16.97	16.62	16.92	18.00
		MID	64QAM	16.85	16.46	16.65	18.00
		HIGH	64QAM	16.54	16.58	16.48	18.00
	50	LOW	64QAM	16.57	16.54	16.57	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.88	17.97	17.46	18.00
		MID	QPSK	17.74	17.77	17.45	18.00
		HIGH	QPSK	17.73	17.44	17.24	18.00
	36	LOW	QPSK	17.48	17.63	17.52	18.00
		MID	QPSK	17.56	17.57	17.58	18.00
		HIGH	QPSK	17.28	17.29	17.36	18.00
	75	LOW	QPSK	17.45	17.44	17.55	18.00
15	1	LOW	Q16	17.50	17.40	17.50	18.00
		MID	Q16	17.20	17.24	17.38	18.00
		HIGH	Q16	17.20	17.10	17.21	18.00
	36	LOW	Q16	17.56	17.52	17.42	18.00
		MID	Q16	17.53	17.72	17.37	18.00
		HIGH	Q16	17.35	17.37	17.51	18.00
	75	LOW	Q16	17.48	17.39	17.41	18.00
15	1	LOW	64QAM	17.27	17.19	17.40	18.00
		MID	64QAM	17.08	17.36	17.21	18.00
		HIGH	64QAM	17.57	17.50	17.52	18.00
	36	LOW	64QAM	16.87	16.70	16.66	18.00
		MID	64QAM	16.82	16.59	16.68	18.00
		HIGH	64QAM	16.33	16.67	16.50	18.00
	75	LOW	64QAM	16.52	16.69	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.95	17.92	17.73	18.00
		MID	QPSK	17.76	17.79	17.37	18.00
		HIGH	QPSK	17.93	17.35	17.50	18.00
	50	LOW	QPSK	17.41	17.56	17.52	18.00
		MID	QPSK	17.70	17.46	17.67	18.00
		HIGH	QPSK	17.23	17.18	17.64	18.00
	100	LOW	QPSK	17.52	17.35	17.38	18.00
20	1	LOW	Q16	17.35	17.38	17.46	18.00
		MID	Q16	17.27	17.01	17.23	18.00
		HIGH	Q16	17.25	17.20	17.28	18.00
	50	LOW	Q16	17.47	17.56	17.44	18.00
		MID	Q16	17.72	17.53	17.42	18.00
		HIGH	Q16	17.33	17.18	17.43	18.00
	100	LOW	Q16	17.75	17.37	17.41	18.00
20	1	LOW	64QAM	17.27	17.10	17.61	18.00
		MID	64QAM	17.08	17.36	17.28	18.00
		HIGH	64QAM	17.57	17.36	17.52	18.00
	50	LOW	64QAM	16.84	16.69	16.68	18.00
		MID	64QAM	16.75	16.57	16.65	18.00
		HIGH	64QAM	16.43	16.52	16.38	18.00
	100	LOW	64QAM	16.75	16.76	16.63	18.00

LTE B7-State 19 -Ant.4(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)
5	1	LOW	QPSK	17.89	17.74	17.53	18.50
		MID	QPSK	17.67	17.70	17.63	18.50
		HIGH	QPSK	17.75	17.35	17.46	18.50
	12	LOW	QPSK	17.48	17.72	17.63	18.50
		MID	QPSK	17.67	17.34	17.70	18.50
		HIGH	QPSK	17.20	17.30	17.57	18.50
	25	LOW	QPSK	17.38	17.28	17.40	18.50
5	1	LOW	Q16	17.33	17.50	17.41	18.50
		MID	Q16	17.46	17.02	17.32	18.50
		HIGH	Q16	17.25	17.23	17.16	18.50
	12	LOW	Q16	17.60	17.42	17.67	18.50
		MID	Q16	17.72	17.58	17.42	18.50
		HIGH	Q16	17.23	17.37	17.44	18.50
	25	LOW	Q16	17.61	17.25	17.31	18.50
5	1	LOW	64QAM	17.15	17.02	17.68	18.50
		MID	64QAM	17.10	17.15	17.25	18.50
		HIGH	64QAM	17.39	17.48	17.57	18.50
	12	LOW	64QAM	16.82	16.64	16.92	18.00
		MID	64QAM	16.60	16.59	16.68	18.00
		HIGH	64QAM	16.28	16.52	16.58	18.00
	25	LOW	64QAM	16.57	16.54	16.57	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
10	1	LOW	QPSK	17.90	17.72	17.59	18.50
		MID	QPSK	17.74	17.88	17.47	18.50
		HIGH	QPSK	17.64	17.51	17.27	18.50
	25	LOW	QPSK	17.60	17.67	17.65	18.50
		MID	QPSK	17.62	17.35	17.61	18.50
		HIGH	QPSK	17.42	17.37	17.59	18.50
	50	LOW	QPSK	17.50	17.56	17.33	18.50
10	1	LOW	Q16	17.54	17.54	17.48	18.50
		MID	Q16	17.30	17.09	17.25	18.50
		HIGH	Q16	17.03	17.17	17.37	18.50
	25	LOW	Q16	17.53	17.44	17.39	18.50
		MID	Q16	17.65	17.67	17.65	18.50
		HIGH	Q16	17.37	17.17	17.46	18.50
	50	LOW	Q16	17.59	17.44	17.46	18.50
10	1	LOW	64QAM	17.24	17.17	17.45	18.50
		MID	64QAM	17.24	17.36	17.28	18.50
		HIGH	64QAM	17.48	17.40	17.54	18.50
	25	LOW	64QAM	16.97	16.62	16.92	18.00
		MID	64QAM	16.85	16.46	16.65	18.00
		HIGH	64QAM	16.54	16.58	16.48	18.00
	50	LOW	64QAM	16.57	16.54	16.57	18.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.88	17.97	17.46	18.50
		MID	QPSK	17.74	17.77	17.45	18.50
		HIGH	QPSK	17.73	17.44	17.24	18.50
	36	LOW	QPSK	17.48	17.63	17.52	18.50
		MID	QPSK	17.56	17.57	17.58	18.50
		HIGH	QPSK	17.28	17.29	17.36	18.50
	75	LOW	QPSK	17.45	17.44	17.55	18.50
15	1	LOW	Q16	17.50	17.40	17.50	18.50
		MID	Q16	17.20	17.24	17.38	18.50
		HIGH	Q16	17.20	17.10	17.21	18.50
	36	LOW	Q16	17.56	17.52	17.42	18.50
		MID	Q16	17.53	17.72	17.37	18.50
		HIGH	Q16	17.35	17.37	17.51	18.50
	75	LOW	Q16	17.48	17.39	17.41	18.50
15	1	LOW	64QAM	17.27	17.19	17.40	18.50
		MID	64QAM	17.08	17.36	17.21	18.50
		HIGH	64QAM	17.57	17.50	17.52	18.50
	36	LOW	64QAM	16.87	16.70	16.66	18.00
		MID	64QAM	16.82	16.59	16.68	18.00
		HIGH	64QAM	16.33	16.67	16.50	18.00
	75	LOW	64QAM	16.52	16.69	16.53	18.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
20	1	LOW	QPSK	17.95	17.92	17.73	18.50
		MID	QPSK	17.76	17.79	17.37	18.50
		HIGH	QPSK	17.93	17.35	17.50	18.50
	50	LOW	QPSK	17.41	17.56	17.52	18.50
		MID	QPSK	17.70	17.46	17.67	18.50
		HIGH	QPSK	17.23	17.18	17.64	18.50
	100	LOW	QPSK	17.52	17.35	17.38	18.50
20	1	LOW	Q16	17.35	17.38	17.46	18.50
		MID	Q16	17.27	17.01	17.23	18.50
		HIGH	Q16	17.25	17.20	17.28	18.50
	50	LOW	Q16	17.47	17.56	17.44	18.50
		MID	Q16	17.72	17.53	17.42	18.50
		HIGH	Q16	17.33	17.18	17.43	18.50
	100	LOW	Q16	17.75	17.37	17.41	18.50
20	1	LOW	64QAM	17.27	17.10	17.61	18.50
		MID	64QAM	17.08	17.36	17.28	18.50
		HIGH	64QAM	17.57	17.36	17.52	18.50
	50	LOW	64QAM	16.84	16.69	16.68	18.00
		MID	64QAM	16.75	16.57	16.65	18.00
		HIGH	64QAM	16.43	16.52	16.38	18.00
	100	LOW	64QAM	16.75	16.76	16.63	18.00

8.3.5 LTE Band12 Output Power

LTE B12-State 12 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.46	23.15	23.35	24.50
		MID	QPSK	23.19	23.15	23.23	24.50
		HIGH	QPSK	23.13	23.07	23.05	24.50
	3	LOW	QPSK	23.30	22.96	23.44	24.50
		MID	QPSK	23.07	23.24	23.32	24.50
		HIGH	QPSK	23.08	22.93	22.84	24.50
1.4	1	LOW	QPSK	22.52	22.62	22.51	23.50
		MID	QPSK	22.52	22.62	22.51	23.50
		HIGH	QPSK	22.52	22.62	22.51	23.50
	3	LOW	QPSK	22.52	22.62	22.51	23.50
		MID	QPSK	22.52	22.62	22.51	23.50
		HIGH	QPSK	22.52	22.62	22.51	23.50
	6	LOW	QPSK	22.52	22.62	22.51	23.50
		MID	QPSK	22.52	22.62	22.51	23.50
		HIGH	QPSK	22.52	22.62	22.51	23.50
1.4	1	LOW	Q16	22.26	22.19	22.88	23.50
		MID	Q16	22.35	22.38	22.66	23.50
		HIGH	Q16	22.32	22.22	22.52	23.50
	3	LOW	Q16	22.08	22.08	22.63	23.50
		MID	Q16	22.17	22.31	22.59	23.50
		HIGH	Q16	22.07	21.98	22.54	23.50
	6	LOW	Q16	21.47	21.80	21.35	22.50
		MID	Q16	21.47	21.80	21.35	22.50
		HIGH	Q16	21.47	21.80	21.35	22.50
1.4	1	LOW	64QAM	21.40	21.57	22.19	22.50
		MID	64QAM	21.66	21.29	22.17	22.50
		HIGH	64QAM	21.35	21.41	21.78	22.50
	3	LOW	64QAM	21.16	21.51	22.28	22.50
		MID	64QAM	21.72	21.29	22.17	22.50
		HIGH	64QAM	21.14	21.52	21.78	22.50
	6	LOW	64QAM	20.75	20.82	20.59	21.50
		MID	64QAM	20.75	20.82	20.59	21.50
		HIGH	64QAM	20.75	20.82	20.59	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.14	23.12	23.30	24.50
		MID	QPSK	23.33	23.29	23.37	24.50
		HIGH	QPSK	23.18	23.26	23.22	24.50
	8	LOW	QPSK	22.28	22.35	22.36	23.50
		MID	QPSK	22.36	22.44	22.32	23.50
		HIGH	QPSK	22.22	22.39	22.31	23.50
3	15	LOW	QPSK	22.38	22.56	22.48	23.50
		MID	QPSK	22.38	22.56	22.48	23.50
		HIGH	QPSK	22.38	22.56	22.48	23.50
	1	LOW	Q16	22.33	22.19	22.74	23.50
		MID	Q16	22.52	22.15	22.66	23.50
		HIGH	Q16	22.39	22.11	22.72	23.50
	8	LOW	Q16	21.97	21.79	21.68	22.50
		MID	Q16	21.71	22.03	21.44	22.50
		HIGH	Q16	21.56	21.58	21.53	22.50
3	15	LOW	Q16	21.65	21.72	21.35	22.50
		MID	Q16	21.65	21.72	21.35	22.50
		HIGH	Q16	21.65	21.72	21.35	22.50
	1	LOW	64QAM	21.31	21.72	22.15	22.50
		MID	64QAM	21.75	21.29	22.11	22.50
		HIGH	64QAM	21.58	21.47	21.89	22.50
	8	LOW	64QAM	20.99	20.93	20.37	21.50
		MID	64QAM	21.13	21.04	20.54	21.50
		HIGH	64QAM	20.81	20.71	20.36	21.50
3	15	LOW	64QAM	21.02	20.84	20.53	21.50
		MID	64QAM	21.02	20.84	20.53	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.32	23.17	23.28	24.50
		MID	QPSK	23.30	23.25	23.21	24.50
		HIGH	QPSK	23.44	23.19	23.03	24.50
	12	LOW	QPSK	22.30	22.17	22.52	23.50
		MID	QPSK	22.65	22.62	22.32	23.50
		HIGH	QPSK	22.45	22.46	22.49	23.50
	25	LOW	QPSK	22.41	22.37	22.24	23.50
5	1	LOW	Q16	22.24	22.39	23.01	23.50
		MID	Q16	22.44	22.09	22.82	23.50
		HIGH	Q16	22.17	22.20	22.77	23.50
	12	LOW	Q16	21.72	21.93	21.59	22.50
		MID	Q16	21.75	21.81	21.59	22.50
		HIGH	Q16	21.59	21.69	21.28	22.50
	25	LOW	Q16	21.43	21.78	21.30	22.50
5	1	LOW	64QAM	21.46	21.39	21.84	22.50
		MID	64QAM	21.55	21.55	21.95	22.50
		HIGH	64QAM	21.39	21.47	21.69	22.50
	12	LOW	64QAM	21.01	20.99	20.54	21.50
		MID	64QAM	20.98	21.13	20.54	21.50
		HIGH	64QAM	20.77	20.73	20.60	21.50
	25	LOW	64QAM	21.02	20.97	20.43	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.39	23.38	23.30	24.50
		MID	QPSK	23.35	23.34	23.28	24.50
		HIGH	QPSK	23.32	23.33	23.24	24.50
	25	LOW	QPSK	22.46	22.42	22.43	23.50
		MID	QPSK	22.56	22.53	22.50	23.50
		HIGH	QPSK	22.47	22.46	22.42	23.50
	50	LOW	QPSK	22.52	22.51	22.44	23.50
10	1	LOW	Q16	22.46	22.41	22.90	23.50
		MID	Q16	22.48	22.31	22.82	23.50
		HIGH	Q16	22.39	22.31	22.72	23.50
	25	LOW	Q16	21.90	21.86	21.57	22.50
		MID	Q16	21.82	22.01	21.55	22.50
		HIGH	Q16	21.76	21.73	21.47	22.50
	50	LOW	Q16	21.67	21.87	21.41	22.50
10	1	LOW	64QAM	21.46	21.63	22.08	22.50
		MID	64QAM	21.66	21.44	22.13	22.50
		HIGH	64QAM	21.52	21.60	21.78	22.50
	25	LOW	64QAM	21.12	20.93	20.58	21.50
		MID	64QAM	21.02	21.19	20.56	21.50
		HIGH	64QAM	20.83	20.73	20.52	21.50
	50	LOW	64QAM	20.96	21.03	20.57	21.50

LTE B12-State 16 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.29	22.30	22.08	23.50
		MID	QPSK	21.94	22.20	22.30	23.50
		HIGH	QPSK	22.23	21.88	22.23	23.50
	3	LOW	QPSK	22.29	22.14	22.23	23.50
		MID	QPSK	22.34	22.18	22.26	23.50
		HIGH	QPSK	22.22	22.20	22.33	23.50
6	LOW	QPSK	22.28	22.11	22.35	23.50	
1.4	1	LOW	Q16	22.14	22.37	22.44	23.50
		MID	Q16	21.99	22.41	22.24	23.50
		HIGH	Q16	22.03	22.35	22.10	23.50
	3	LOW	Q16	21.47	21.78	21.75	22.50
		MID	Q16	21.78	21.63	21.67	22.50
		HIGH	Q16	21.79	21.52	21.47	22.50
6	LOW	Q16	21.41	21.61	21.68	22.50	
1.4	1	LOW	64QAM	21.36	21.54	21.80	22.50
		MID	64QAM	21.60	21.31	21.85	22.50
		HIGH	64QAM	21.48	21.42	21.59	22.50
	3	LOW	64QAM	21.64	21.59	21.86	22.50
		MID	64QAM	21.75	21.10	21.76	22.50
		HIGH	64QAM	21.54	21.32	21.41	22.50
6	LOW	64QAM	20.69	20.97	20.35	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	18900	23165	Tune-up power(dBm)
3	1	LOW	QPSK	22.18	22.15	22.15	23.50
		MID	QPSK	22.09	22.18	22.05	23.50
		HIGH	QPSK	22.20	22.13	22.12	23.50
	8	LOW	QPSK	22.06	22.07	22.43	23.50
		MID	QPSK	22.41	22.14	22.08	23.50
		HIGH	QPSK	22.18	22.22	22.31	23.50
15	LOW	QPSK	22.30	22.29	22.37	23.50	
3	1	LOW	Q16	21.99	22.26	22.21	23.50
		MID	Q16	22.01	22.37	22.22	23.50
		HIGH	Q16	21.94	22.06	22.08	23.50
	8	LOW	Q16	21.71	21.71	21.60	22.50
		MID	Q16	21.58	21.45	21.58	22.50
		HIGH	Q16	21.46	21.43	21.58	22.50
15	LOW	Q16	21.59	21.57	21.60	22.50	
3	1	LOW	64QAM	21.46	21.29	21.93	22.50
		MID	64QAM	21.55	21.20	21.98	22.50
		HIGH	64QAM	21.37	21.27	21.59	22.50
	8	LOW	64QAM	20.95	20.68	20.72	21.50
		MID	64QAM	20.62	20.79	20.60	21.50
		HIGH	64QAM	20.66	20.69	20.20	21.50
15	LOW	64QAM	20.71	21.09	20.33	21.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	22.13	22.17	22.19	23.50
		MID	QPSK	22.16	22.05	22.12	23.50
		HIGH	QPSK	22.16	22.17	22.12	23.50
	12	LOW	QPSK	22.09	22.21	22.12	23.50
		MID	QPSK	22.39	22.41	22.15	23.50
		HIGH	QPSK	22.27	22.20	22.35	23.50
	25	LOW	QPSK	22.17	22.24	22.24	23.50
5	1	LOW	Q16	22.28	22.26	22.26	23.50
		MID	Q16	22.25	22.15	22.18	23.50
		HIGH	Q16	22.10	22.12	22.19	23.50
	12	LOW	Q16	21.64	21.58	21.64	22.50
		MID	Q16	21.56	21.50	21.60	22.50
		HIGH	Q16	21.61	21.50	21.49	22.50
	25	LOW	Q16	21.57	21.50	21.66	22.50
5	1	LOW	64QAM	21.49	21.57	22.00	22.50
		MID	64QAM	21.57	21.31	21.87	22.50
		HIGH	64QAM	21.43	21.44	21.48	22.50
	12	LOW	64QAM	20.91	20.62	20.62	21.50
		MID	64QAM	20.79	20.67	20.56	21.50
		HIGH	64QAM	20.87	20.77	20.20	21.50
	25	LOW	64QAM	20.76	20.84	20.41	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	22.22	22.28	22.26	23.50
		MID	QPSK	22.18	22.18	22.23	23.50
		HIGH	QPSK	22.16	22.06	22.14	23.50
	25	LOW	QPSK	22.31	22.32	22.32	23.50
		MID	QPSK	22.32	22.34	22.28	23.50
		HIGH	QPSK	22.29	22.31	22.31	23.50
	50	LOW	QPSK	22.37	22.31	22.28	23.50
10	1	LOW	Q16	22.21	22.39	22.37	23.50
		MID	Q16	22.14	22.37	22.31	23.50
		HIGH	Q16	22.14	22.28	22.12	23.50
	25	LOW	Q16	21.62	21.71	21.77	22.50
		MID	Q16	21.67	21.67	21.71	22.50
		HIGH	Q16	21.68	21.65	21.69	22.50
	50	LOW	Q16	21.63	21.61	21.66	22.50
10	1	LOW	64QAM	21.55	21.48	22.04	22.50
		MID	64QAM	21.66	21.29	21.89	22.50
		HIGH	64QAM	21.52	21.38	21.65	22.50
	25	LOW	64QAM	20.95	20.83	20.64	21.50
		MID	64QAM	20.83	20.75	20.50	21.50
		HIGH	64QAM	20.89	20.67	20.38	21.50
	50	LOW	64QAM	20.86	21.03	20.43	21.50

LTE B12-State 18 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.14	19.10	18.91	20.50
		MID	QPSK	19.17	19.00	19.01	20.50
		HIGH	QPSK	19.15	19.00	19.10	20.50
	3	LOW	QPSK	19.17	19.33	19.13	20.50
		MID	QPSK	19.20	19.28	19.20	20.50
		HIGH	QPSK	19.21	19.36	19.07	20.50
6	LOW	QPSK	19.34	19.27	19.27	20.50	
1.4	1	LOW	Q16	18.87	19.48	19.39	20.50
		MID	Q16	19.00	19.35	19.11	20.50
		HIGH	Q16	19.18	19.50	19.15	20.50
	3	LOW	Q16	19.01	19.17	19.20	20.50
		MID	Q16	19.34	19.39	19.39	20.50
		HIGH	Q16	19.21	19.19	19.30	20.50
6	LOW	Q16	19.15	19.12	19.16	20.50	
1.4	1	LOW	64QAM	19.08	19.52	18.93	20.50
		MID	64QAM	18.93	19.37	19.28	20.50
		HIGH	64QAM	19.12	19.48	19.17	20.50
	3	LOW	64QAM	19.15	19.29	19.36	20.50
		MID	64QAM	18.98	19.43	19.47	20.50
		HIGH	64QAM	19.05	18.96	19.20	20.50
6	LOW	64QAM	19.19	19.20	19.22	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	19.14	19.18	19.04	20.50
		MID	QPSK	18.92	19.21	19.18	20.50
		HIGH	QPSK	18.90	19.07	18.93	20.50
	8	LOW	QPSK	19.25	19.25	19.05	20.50
		MID	QPSK	19.20	19.36	19.26	20.50
		HIGH	QPSK	19.23	19.20	19.07	20.50
15	LOW	QPSK	19.18	19.21	19.19	20.50	
3	1	LOW	Q16	18.91	19.30	19.23	20.50
		MID	Q16	19.06	19.61	19.34	20.50
		HIGH	Q16	18.95	19.38	19.11	20.50
	8	LOW	Q16	19.28	19.39	19.34	20.50
		MID	Q16	19.24	19.39	19.25	20.50
		HIGH	Q16	19.06	19.25	19.40	20.50
15	LOW	Q16	19.08	19.20	19.30	20.50	
3	1	LOW	64QAM	19.22	19.34	18.91	20.50
		MID	64QAM	18.99	19.37	19.34	20.50
		HIGH	64QAM	19.14	19.40	19.17	20.50
	8	LOW	64QAM	19.17	19.14	19.13	20.50
		MID	64QAM	19.21	19.39	19.33	20.50
		HIGH	64QAM	19.09	19.17	19.14	20.50
15	LOW	64QAM	19.02	19.08	19.38	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	18.93	19.16	19.08	20.50
		MID	QPSK	19.09	19.21	19.06	20.50
		HIGH	QPSK	19.00	19.03	19.12	20.50
	12	LOW	QPSK	19.15	19.25	19.21	20.50
		MID	QPSK	19.12	19.09	19.16	20.50
		HIGH	QPSK	19.11	19.24	19.24	20.50
	25	LOW	QPSK	19.20	19.31	19.08	20.50
5	1	LOW	Q16	18.95	19.42	19.33	20.50
		MID	Q16	19.08	19.30	19.24	20.50
		HIGH	Q16	18.98	19.46	19.08	20.50
	12	LOW	Q16	19.10	19.21	19.13	20.50
		MID	Q16	19.13	19.31	19.33	20.50
		HIGH	Q16	19.19	19.14	19.26	20.50
	25	LOW	Q16	19.21	19.28	19.38	20.50
5	1	LOW	64QAM	19.03	19.48	19.16	20.50
		MID	64QAM	19.14	19.29	19.16	20.50
		HIGH	64QAM	19.10	19.34	18.92	20.50
	12	LOW	64QAM	18.94	19.31	19.36	20.50
		MID	64QAM	19.13	19.41	19.49	20.50
		HIGH	64QAM	18.94	19.11	19.16	20.50
	25	LOW	64QAM	19.23	19.14	19.07	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	19.10	19.16	19.02	20.50
		MID	QPSK	19.07	19.13	19.14	20.50
		HIGH	QPSK	19.11	19.11	19.08	20.50
	25	LOW	QPSK	19.21	19.23	19.17	20.50
		MID	QPSK	19.24	19.30	19.18	20.50
		HIGH	QPSK	19.17	19.26	19.22	20.50
	50	LOW	QPSK	19.26	19.23	19.23	20.50
10	1	LOW	Q16	19.08	19.40	19.29	20.50
		MID	Q16	19.06	19.51	19.24	20.50
		HIGH	Q16	19.08	19.44	19.21	20.50
	25	LOW	Q16	19.22	19.31	19.32	20.50
		MID	Q16	19.30	19.29	19.41	20.50
		HIGH	Q16	19.21	19.29	19.36	20.50
	50	LOW	Q16	19.23	19.22	19.30	20.50
10	1	LOW	64QAM	19.18	19.50	19.10	20.50
		MID	64QAM	19.10	19.33	19.30	20.50
		HIGH	64QAM	19.12	19.52	19.13	20.50
	25	LOW	64QAM	19.07	19.33	19.26	20.50
		MID	64QAM	19.15	19.33	19.51	20.50
		HIGH	64QAM	19.15	19.17	19.22	20.50
	50	LOW	64QAM	19.13	19.16	19.28	20.50

LTE B12-State 20 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.14	19.10	18.91	20.50
		MID	QPSK	19.17	19.00	19.01	20.50
		HIGH	QPSK	19.15	19.00	19.10	20.50
	3	LOW	QPSK	19.17	19.33	19.13	20.50
		MID	QPSK	19.20	19.28	19.20	20.50
		HIGH	QPSK	19.21	19.36	19.07	20.50
	6	LOW	QPSK	19.34	19.27	19.27	20.50
1.4	1	LOW	Q16	18.87	19.48	19.39	20.50
		MID	Q16	19.00	19.35	19.11	20.50
		HIGH	Q16	19.18	19.50	19.15	20.50
	3	LOW	Q16	19.01	19.17	19.20	20.50
		MID	Q16	19.34	19.39	19.39	20.50
		HIGH	Q16	19.21	19.19	19.30	20.50
	6	LOW	Q16	19.15	19.12	19.16	20.50
1.4	1	LOW	64QAM	19.08	19.52	18.93	20.50
		MID	64QAM	18.93	19.37	19.28	20.50
		HIGH	64QAM	19.12	19.48	19.17	20.50
	3	LOW	64QAM	19.15	19.29	19.36	20.50
		MID	64QAM	18.98	19.43	19.47	20.50
		HIGH	64QAM	19.05	18.96	19.20	20.50
	6	LOW	64QAM	19.19	19.20	19.22	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	19.14	19.18	19.04	20.50
		MID	QPSK	18.92	19.21	19.18	20.50
		HIGH	QPSK	18.90	19.07	18.93	20.50
	8	LOW	QPSK	19.25	19.25	19.05	20.50
		MID	QPSK	19.20	19.36	19.26	20.50
		HIGH	QPSK	19.23	19.20	19.07	20.50
	15	LOW	QPSK	19.18	19.21	19.19	20.50
3	1	LOW	Q16	18.91	19.30	19.23	20.50
		MID	Q16	19.06	19.61	19.34	20.50
		HIGH	Q16	18.95	19.38	19.11	20.50
	8	LOW	Q16	19.28	19.39	19.34	20.50
		MID	Q16	19.24	19.39	19.25	20.50
		HIGH	Q16	19.06	19.25	19.40	20.50
	15	LOW	Q16	19.08	19.20	19.30	20.50
3	1	LOW	64QAM	19.22	19.34	18.91	20.50
		MID	64QAM	18.99	19.37	19.34	20.50
		HIGH	64QAM	19.14	19.40	19.17	20.50
	8	LOW	64QAM	19.17	19.14	19.13	20.50
		MID	64QAM	19.21	19.39	19.33	20.50
		HIGH	64QAM	19.09	19.17	19.14	20.50
	15	LOW	64QAM	19.02	19.08	19.38	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	18.93	19.16	19.08	20.50
		MID	QPSK	19.09	19.21	19.06	20.50
		HIGH	QPSK	19.00	19.03	19.12	20.50
	12	LOW	QPSK	19.15	19.25	19.21	20.50
		MID	QPSK	19.12	19.09	19.16	20.50
		HIGH	QPSK	19.11	19.24	19.24	20.50
	25	LOW	QPSK	19.20	19.31	19.08	20.50
5	1	LOW	Q16	18.95	19.42	19.33	20.50
		MID	Q16	19.08	19.30	19.24	20.50
		HIGH	Q16	18.98	19.46	19.08	20.50
	12	LOW	Q16	19.10	19.21	19.13	20.50
		MID	Q16	19.13	19.31	19.33	20.50
		HIGH	Q16	19.19	19.14	19.26	20.50
	25	LOW	Q16	19.21	19.28	19.38	20.50
5	1	LOW	64QAM	19.03	19.48	19.16	20.50
		MID	64QAM	19.14	19.29	19.16	20.50
		HIGH	64QAM	19.10	19.34	18.92	20.50
	12	LOW	64QAM	18.94	19.31	19.36	20.50
		MID	64QAM	19.13	19.41	19.49	20.50
		HIGH	64QAM	18.94	19.11	19.16	20.50
	25	LOW	64QAM	19.23	19.14	19.07	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	19.10	19.16	19.02	20.50
		MID	QPSK	19.07	19.13	19.14	20.50
		HIGH	QPSK	19.11	19.11	19.08	20.50
	25	LOW	QPSK	19.21	19.23	19.17	20.50
		MID	QPSK	19.24	19.30	19.18	20.50
		HIGH	QPSK	19.17	19.26	19.22	20.50
	50	LOW	QPSK	19.26	19.23	19.23	20.50
10	1	LOW	Q16	19.08	19.40	19.29	20.50
		MID	Q16	19.06	19.51	19.24	20.50
		HIGH	Q16	19.08	19.44	19.21	20.50
	25	LOW	Q16	19.22	19.31	19.32	20.50
		MID	Q16	19.30	19.29	19.41	20.50
		HIGH	Q16	19.21	19.29	19.36	20.50
	50	LOW	Q16	19.23	19.22	19.30	20.50
10	1	LOW	64QAM	19.18	19.50	19.10	20.50
		MID	64QAM	19.10	19.33	19.30	20.50
		HIGH	64QAM	19.12	19.52	19.13	20.50
	25	LOW	64QAM	19.07	19.33	19.26	20.50
		MID	64QAM	19.15	19.33	19.51	20.50
		HIGH	64QAM	19.15	19.17	19.22	20.50
	50	LOW	64QAM	19.13	19.16	19.28	20.50

LTE B12-State 11-Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.46	23.15	23.35	24.50
		MID	QPSK	23.19	23.15	23.23	24.50
		HIGH	QPSK	23.13	23.07	23.05	24.50
	3	LOW	QPSK	23.30	22.96	23.44	24.50
		MID	QPSK	23.07	23.24	23.32	24.50
		HIGH	QPSK	23.08	22.93	22.84	24.50
1.4	1	LOW	QPSK	22.52	22.62	22.51	23.50
	3	LOW	Q16	22.26	22.19	22.88	23.50
		MID	Q16	22.35	22.38	22.66	23.50
		HIGH	Q16	22.32	22.22	22.52	23.50
	3	LOW	Q16	22.08	22.08	22.63	23.50
		MID	Q16	22.17	22.31	22.59	23.50
1.4	1	HIGH	Q16	22.07	21.98	22.54	23.50
	3	LOW	Q16	21.47	21.80	21.35	22.50
		MID	64QAM	21.40	21.57	22.19	22.50
		HIGH	64QAM	21.66	21.29	22.17	22.50
	3	LOW	64QAM	21.35	21.41	21.78	22.50
		MID	64QAM	21.16	21.51	22.28	22.50
1.4	1	HIGH	64QAM	21.72	21.29	22.17	22.50
		MID	64QAM	21.14	21.52	21.78	22.50
		HIGH	64QAM	20.75	20.82	20.59	21.50
	3	LOW	64QAM	20.75	20.82	20.59	21.50
		MID	64QAM	20.75	20.82	20.59	21.50
		HIGH	64QAM	20.75	20.82	20.59	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.14	23.12	23.30	24.50
		MID	QPSK	23.33	23.29	23.37	24.50
		HIGH	QPSK	23.18	23.26	23.22	24.50
	8	LOW	QPSK	22.28	22.35	22.36	23.50
		MID	QPSK	22.36	22.44	22.32	23.50
		HIGH	QPSK	22.22	22.39	22.31	23.50
3	15	LOW	QPSK	22.38	22.56	22.48	23.50
		MID	Q16	22.33	22.19	22.74	23.50
		HIGH	Q16	22.52	22.15	22.66	23.50
	8	LOW	Q16	22.39	22.11	22.72	23.50
		MID	Q16	21.97	21.79	21.68	22.50
		HIGH	Q16	21.71	22.03	21.44	22.50
3	15	LOW	Q16	21.56	21.58	21.53	22.50
		MID	Q16	21.65	21.72	21.35	22.50
		HIGH	Q16	21.31	21.72	22.15	22.50
	8	LOW	64QAM	21.75	21.29	22.11	22.50
		MID	64QAM	21.58	21.47	21.89	22.50
		HIGH	64QAM	20.99	20.93	20.37	21.50
3	15	LOW	64QAM	21.13	21.04	20.54	21.50
		MID	64QAM	20.81	20.71	20.36	21.50
		HIGH	64QAM	21.02	20.84	20.53	21.50
	15	LOW	64QAM	21.02	20.84	20.53	21.50
		MID	64QAM	21.02	20.84	20.53	21.50
		HIGH	64QAM	21.02	20.84	20.53	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.32	23.17	23.28	24.50
		MID	QPSK	23.30	23.25	23.21	24.50
		HIGH	QPSK	23.44	23.19	23.03	24.50
	12	LOW	QPSK	22.30	22.17	22.52	23.50
		MID	QPSK	22.65	22.62	22.32	23.50
		HIGH	QPSK	22.45	22.46	22.49	23.50
	25	LOW	QPSK	22.41	22.37	22.24	23.50
5	1	LOW	Q16	22.24	22.39	23.01	23.50
		MID	Q16	22.44	22.09	22.82	23.50
		HIGH	Q16	22.17	22.20	22.77	23.50
	12	LOW	Q16	21.72	21.93	21.59	22.50
		MID	Q16	21.75	21.81	21.59	22.50
		HIGH	Q16	21.59	21.69	21.28	22.50
	25	LOW	Q16	21.43	21.78	21.30	22.50
5	1	LOW	64QAM	21.46	21.39	21.84	22.50
		MID	64QAM	21.55	21.55	21.95	22.50
		HIGH	64QAM	21.39	21.47	21.69	22.50
	12	LOW	64QAM	21.01	20.99	20.54	21.50
		MID	64QAM	20.98	21.13	20.54	21.50
		HIGH	64QAM	20.77	20.73	20.60	21.50
	25	LOW	64QAM	21.02	20.97	20.43	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.39	23.38	23.30	24.50
		MID	QPSK	23.35	23.34	23.28	24.50
		HIGH	QPSK	23.32	23.33	23.24	24.50
	25	LOW	QPSK	22.46	22.42	22.43	23.50
		MID	QPSK	22.56	22.53	22.50	23.50
		HIGH	QPSK	22.47	22.46	22.42	23.50
	50	LOW	QPSK	22.52	22.51	22.44	23.50
10	1	LOW	Q16	22.46	22.41	22.90	23.50
		MID	Q16	22.48	22.31	22.82	23.50
		HIGH	Q16	22.39	22.31	22.72	23.50
	25	LOW	Q16	21.90	21.86	21.57	22.50
		MID	Q16	21.82	22.01	21.55	22.50
		HIGH	Q16	21.76	21.73	21.47	22.50
	50	LOW	Q16	21.67	21.87	21.41	22.50
10	1	LOW	64QAM	21.46	21.63	22.08	22.50
		MID	64QAM	21.66	21.44	22.13	22.50
		HIGH	64QAM	21.52	21.60	21.78	22.50
	25	LOW	64QAM	21.12	20.93	20.58	21.50
		MID	64QAM	21.02	21.19	20.56	21.50
		HIGH	64QAM	20.83	20.73	20.52	21.50
	50	LOW	64QAM	20.96	21.03	20.57	21.50

LTE B12-State 15 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.46	23.15	23.35	24.50
		MID	QPSK	23.19	23.15	23.23	24.50
		HIGH	QPSK	23.13	23.07	23.05	24.50
	3	LOW	QPSK	23.30	22.96	23.44	24.50
		MID	QPSK	23.07	23.24	23.32	24.50
		HIGH	QPSK	23.08	22.93	22.84	24.50
1.4	1	LOW	QPSK	22.52	22.62	22.51	23.50
	3	LOW	Q16	22.26	22.19	22.88	23.50
		MID	Q16	22.35	22.38	22.66	23.50
		HIGH	Q16	22.32	22.22	22.52	23.50
	3	LOW	Q16	22.08	22.08	22.63	23.50
		MID	Q16	22.17	22.31	22.59	23.50
1.4	1	HIGH	Q16	22.07	21.98	22.54	23.50
	3	LOW	Q16	21.47	21.80	21.35	22.50
		MID	64QAM	21.40	21.57	22.19	22.50
		HIGH	64QAM	21.66	21.29	22.17	22.50
	3	LOW	64QAM	21.35	21.41	21.78	22.50
		MID	64QAM	21.16	21.51	22.28	22.50
1.4	1	HIGH	64QAM	21.72	21.29	22.17	22.50
		MID	64QAM	21.14	21.52	21.78	22.50
		HIGH	64QAM	20.75	20.82	20.59	21.50
	3	LOW	64QAM	20.75	20.82	20.59	21.50
		MID	64QAM	20.75	20.82	20.59	21.50
		HIGH	64QAM	20.75	20.82	20.59	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.14	23.12	23.30	24.50
		MID	QPSK	23.33	23.29	23.37	24.50
		HIGH	QPSK	23.18	23.26	23.22	24.50
	8	LOW	QPSK	22.28	22.35	22.36	23.50
		MID	QPSK	22.36	22.44	22.32	23.50
		HIGH	QPSK	22.22	22.39	22.31	23.50
3	15	LOW	QPSK	22.38	22.56	22.48	23.50
		MID	Q16	22.33	22.19	22.74	23.50
		HIGH	Q16	22.52	22.15	22.66	23.50
	8	LOW	Q16	22.39	22.11	22.72	23.50
		MID	Q16	21.97	21.79	21.68	22.50
		HIGH	Q16	21.71	22.03	21.44	22.50
3	15	LOW	Q16	21.56	21.58	21.53	22.50
		MID	Q16	21.65	21.72	21.35	22.50
		HIGH	Q16	21.31	21.72	22.15	22.50
	8	LOW	64QAM	21.75	21.29	22.11	22.50
		MID	64QAM	21.58	21.47	21.89	22.50
		HIGH	64QAM	20.99	20.93	20.37	21.50
3	15	LOW	64QAM	21.13	21.04	20.54	21.50
		MID	64QAM	20.81	20.71	20.36	21.50
		HIGH	64QAM	21.02	20.84	20.53	21.50
	8	LOW	64QAM	21.02	20.84	20.53	21.50
		MID	64QAM	21.02	20.84	20.53	21.50
		HIGH	64QAM	21.02	20.84	20.53	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.32	23.17	23.28	24.50
		MID	QPSK	23.30	23.25	23.21	24.50
		HIGH	QPSK	23.44	23.19	23.03	24.50
	12	LOW	QPSK	22.30	22.17	22.52	23.50
		MID	QPSK	22.65	22.62	22.32	23.50
		HIGH	QPSK	22.45	22.46	22.49	23.50
	25	LOW	QPSK	22.41	22.37	22.24	23.50
5	1	LOW	Q16	22.24	22.39	23.01	23.50
		MID	Q16	22.44	22.09	22.82	23.50
		HIGH	Q16	22.17	22.20	22.77	23.50
	12	LOW	Q16	21.72	21.93	21.59	22.50
		MID	Q16	21.75	21.81	21.59	22.50
		HIGH	Q16	21.59	21.69	21.28	22.50
	25	LOW	Q16	21.43	21.78	21.30	22.50
5	1	LOW	64QAM	21.46	21.39	21.84	22.50
		MID	64QAM	21.55	21.55	21.95	22.50
		HIGH	64QAM	21.39	21.47	21.69	22.50
	12	LOW	64QAM	21.01	20.99	20.54	21.50
		MID	64QAM	20.98	21.13	20.54	21.50
		HIGH	64QAM	20.77	20.73	20.60	21.50
	25	LOW	64QAM	21.02	20.97	20.43	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.39	23.38	23.30	24.50
		MID	QPSK	23.35	23.34	23.28	24.50
		HIGH	QPSK	23.32	23.33	23.24	24.50
	25	LOW	QPSK	22.46	22.42	22.43	23.50
		MID	QPSK	22.56	22.53	22.50	23.50
		HIGH	QPSK	22.47	22.46	22.42	23.50
	50	LOW	QPSK	22.52	22.51	22.44	23.50
10	1	LOW	Q16	22.46	22.41	22.90	23.50
		MID	Q16	22.48	22.31	22.82	23.50
		HIGH	Q16	22.39	22.31	22.72	23.50
	25	LOW	Q16	21.90	21.86	21.57	22.50
		MID	Q16	21.82	22.01	21.55	22.50
		HIGH	Q16	21.76	21.73	21.47	22.50
	50	LOW	Q16	21.67	21.87	21.41	22.50
10	1	LOW	64QAM	21.46	21.63	22.08	22.50
		MID	64QAM	21.66	21.44	22.13	22.50
		HIGH	64QAM	21.52	21.60	21.78	22.50
	25	LOW	64QAM	21.12	20.93	20.58	21.50
		MID	64QAM	21.02	21.19	20.56	21.50
		HIGH	64QAM	20.83	20.73	20.52	21.50
	50	LOW	64QAM	20.96	21.03	20.57	21.50

LTE B12-State 17 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.46	23.15	23.35	24.50
		MID	QPSK	23.19	23.15	23.23	24.50
		HIGH	QPSK	23.13	23.07	23.05	24.50
	3	LOW	QPSK	23.30	22.96	23.44	24.50
		MID	QPSK	23.07	23.24	23.32	24.50
		HIGH	QPSK	23.08	22.93	22.84	24.50
1.4	1	LOW	QPSK	22.52	22.62	22.51	23.50
	3	LOW	Q16	22.26	22.19	22.88	23.50
		MID	Q16	22.35	22.38	22.66	23.50
		HIGH	Q16	22.32	22.22	22.52	23.50
	3	LOW	Q16	22.08	22.08	22.63	23.50
		MID	Q16	22.17	22.31	22.59	23.50
1.4	1	HIGH	Q16	22.07	21.98	22.54	23.50
	3	LOW	Q16	21.47	21.80	21.35	22.50
		MID	64QAM	21.40	21.57	22.19	22.50
		HIGH	64QAM	21.66	21.29	22.17	22.50
	3	LOW	64QAM	21.35	21.41	21.78	22.50
		MID	64QAM	21.16	21.51	22.28	22.50
1.4	1	HIGH	64QAM	21.72	21.29	22.17	22.50
		MID	64QAM	21.14	21.52	21.78	22.50
		HIGH	64QAM	20.75	20.82	20.59	21.50
	3	LOW	64QAM	20.75	20.82	20.59	21.50
		MID	64QAM	20.75	20.82	20.59	21.50
		HIGH	64QAM	20.75	20.82	20.59	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.14	23.12	23.30	24.50
		MID	QPSK	23.33	23.29	23.37	24.50
		HIGH	QPSK	23.18	23.26	23.22	24.50
	8	LOW	QPSK	22.28	22.35	22.36	23.50
		MID	QPSK	22.36	22.44	22.32	23.50
		HIGH	QPSK	22.22	22.39	22.31	23.50
3	1	LOW	QPSK	22.38	22.56	22.48	23.50
		MID	Q16	22.33	22.19	22.74	23.50
		HIGH	Q16	22.52	22.15	22.66	23.50
	8	LOW	Q16	22.39	22.11	22.72	23.50
		MID	Q16	21.97	21.79	21.68	22.50
		HIGH	Q16	21.71	22.03	21.44	22.50
3	1	LOW	Q16	21.56	21.58	21.53	22.50
		MID	Q16	21.65	21.72	21.35	22.50
		HIGH	Q16	21.31	21.72	22.15	22.50
	8	LOW	64QAM	21.75	21.29	22.11	22.50
		MID	64QAM	21.58	21.47	21.89	22.50
		HIGH	64QAM	20.99	20.93	20.37	21.50
3	1	LOW	64QAM	21.13	21.04	20.54	21.50
		MID	64QAM	20.81	20.71	20.36	21.50
		HIGH	64QAM	21.02	20.84	20.53	21.50
	8	LOW	64QAM	21.02	20.84	20.53	21.50
		MID	64QAM	21.02	20.84	20.53	21.50
		HIGH	64QAM	21.02	20.84	20.53	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.32	23.17	23.28	24.50
		MID	QPSK	23.30	23.25	23.21	24.50
		HIGH	QPSK	23.44	23.19	23.03	24.50
	12	LOW	QPSK	22.30	22.17	22.52	23.50
		MID	QPSK	22.65	22.62	22.32	23.50
		HIGH	QPSK	22.45	22.46	22.49	23.50
	25	LOW	QPSK	22.41	22.37	22.24	23.50
5	1	LOW	Q16	22.24	22.39	23.01	23.50
		MID	Q16	22.44	22.09	22.82	23.50
		HIGH	Q16	22.17	22.20	22.77	23.50
	12	LOW	Q16	21.72	21.93	21.59	22.50
		MID	Q16	21.75	21.81	21.59	22.50
		HIGH	Q16	21.59	21.69	21.28	22.50
	25	LOW	Q16	21.43	21.78	21.30	22.50
5	1	LOW	64QAM	21.46	21.39	21.84	22.50
		MID	64QAM	21.55	21.55	21.95	22.50
		HIGH	64QAM	21.39	21.47	21.69	22.50
	12	LOW	64QAM	21.01	20.99	20.54	21.50
		MID	64QAM	20.98	21.13	20.54	21.50
		HIGH	64QAM	20.77	20.73	20.60	21.50
	25	LOW	64QAM	21.02	20.97	20.43	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.39	23.38	23.30	24.50
		MID	QPSK	23.35	23.34	23.28	24.50
		HIGH	QPSK	23.32	23.33	23.24	24.50
	25	LOW	QPSK	22.46	22.42	22.43	23.50
		MID	QPSK	22.56	22.53	22.50	23.50
		HIGH	QPSK	22.47	22.46	22.42	23.50
	50	LOW	QPSK	22.52	22.51	22.44	23.50
10	1	LOW	Q16	22.46	22.41	22.90	23.50
		MID	Q16	22.48	22.31	22.82	23.50
		HIGH	Q16	22.39	22.31	22.72	23.50
	25	LOW	Q16	21.90	21.86	21.57	22.50
		MID	Q16	21.82	22.01	21.55	22.50
		HIGH	Q16	21.76	21.73	21.47	22.50
	50	LOW	Q16	21.67	21.87	21.41	22.50
10	1	LOW	64QAM	21.46	21.63	22.08	22.50
		MID	64QAM	21.66	21.44	22.13	22.50
		HIGH	64QAM	21.52	21.60	21.78	22.50
	25	LOW	64QAM	21.12	20.93	20.58	21.50
		MID	64QAM	21.02	21.19	20.56	21.50
		HIGH	64QAM	20.83	20.73	20.52	21.50
	50	LOW	64QAM	20.96	21.03	20.57	21.50

LTE B12-State 19 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.46	23.15	23.35	24.50
		MID	QPSK	23.19	23.15	23.23	24.50
		HIGH	QPSK	23.13	23.07	23.05	24.50
	3	LOW	QPSK	23.30	22.96	23.44	24.50
		MID	QPSK	23.07	23.24	23.32	24.50
		HIGH	QPSK	23.08	22.93	22.84	24.50
1.4	1	LOW	QPSK	22.52	22.62	22.51	23.50
	3	LOW	Q16	22.26	22.19	22.88	23.50
		MID	Q16	22.35	22.38	22.66	23.50
		HIGH	Q16	22.32	22.22	22.52	23.50
	3	LOW	Q16	22.08	22.08	22.63	23.50
		MID	Q16	22.17	22.31	22.59	23.50
1.4	1	HIGH	Q16	22.07	21.98	22.54	23.50
	3	LOW	Q16	21.47	21.80	21.35	22.50
		MID	64QAM	21.40	21.57	22.19	22.50
		HIGH	64QAM	21.66	21.29	22.17	22.50
	3	LOW	64QAM	21.35	21.41	21.78	22.50
		MID	64QAM	21.16	21.51	22.28	22.50
1.4	1	HIGH	64QAM	21.72	21.29	22.17	22.50
		MID	64QAM	21.14	21.52	21.78	22.50
		HIGH	64QAM	20.75	20.82	20.59	21.50
	3	LOW	64QAM	20.75	20.82	20.59	21.50
		MID	64QAM	20.75	20.82	20.59	21.50
		HIGH	64QAM	20.75	20.82	20.59	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.14	23.12	23.30	24.50
		MID	QPSK	23.33	23.29	23.37	24.50
		HIGH	QPSK	23.18	23.26	23.22	24.50
	8	LOW	QPSK	22.28	22.35	22.36	23.50
		MID	QPSK	22.36	22.44	22.32	23.50
		HIGH	QPSK	22.22	22.39	22.31	23.50
3	15	LOW	QPSK	22.38	22.56	22.48	23.50
		MID	Q16	22.33	22.19	22.74	23.50
		HIGH	Q16	22.52	22.15	22.66	23.50
	8	LOW	Q16	22.39	22.11	22.72	23.50
		MID	Q16	21.97	21.79	21.68	22.50
		HIGH	Q16	21.71	22.03	21.44	22.50
3	15	LOW	Q16	21.56	21.58	21.53	22.50
		MID	Q16	21.65	21.72	21.35	22.50
		HIGH	Q16	21.31	21.72	22.15	22.50
	8	LOW	64QAM	21.75	21.29	22.11	22.50
		MID	64QAM	21.58	21.47	21.89	22.50
		HIGH	64QAM	20.99	20.93	20.37	21.50
3	15	LOW	64QAM	21.13	21.04	20.54	21.50
		MID	64QAM	20.81	20.71	20.36	21.50
		HIGH	64QAM	21.02	20.84	20.53	21.50
	8	LOW	64QAM	21.02	20.84	20.53	21.50
		MID	64QAM	21.02	20.84	20.53	21.50
		HIGH	64QAM	21.02	20.84	20.53	21.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.32	23.17	23.28	24.50
		MID	QPSK	23.30	23.25	23.21	24.50
		HIGH	QPSK	23.44	23.19	23.03	24.50
	12	LOW	QPSK	22.30	22.17	22.52	23.50
		MID	QPSK	22.65	22.62	22.32	23.50
		HIGH	QPSK	22.45	22.46	22.49	23.50
	25	LOW	QPSK	22.41	22.37	22.24	23.50
5	1	LOW	Q16	22.24	22.39	23.01	23.50
		MID	Q16	22.44	22.09	22.82	23.50
		HIGH	Q16	22.17	22.20	22.77	23.50
	12	LOW	Q16	21.72	21.93	21.59	22.50
		MID	Q16	21.75	21.81	21.59	22.50
		HIGH	Q16	21.59	21.69	21.28	22.50
	25	LOW	Q16	21.43	21.78	21.30	22.50
5	1	LOW	64QAM	21.46	21.39	21.84	22.50
		MID	64QAM	21.55	21.55	21.95	22.50
		HIGH	64QAM	21.39	21.47	21.69	22.50
	12	LOW	64QAM	21.01	20.99	20.54	21.50
		MID	64QAM	20.98	21.13	20.54	21.50
		HIGH	64QAM	20.77	20.73	20.60	21.50
	25	LOW	64QAM	21.02	20.97	20.43	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.39	23.38	23.30	24.50
		MID	QPSK	23.35	23.34	23.28	24.50
		HIGH	QPSK	23.32	23.33	23.24	24.50
	25	LOW	QPSK	22.46	22.42	22.43	23.50
		MID	QPSK	22.56	22.53	22.50	23.50
		HIGH	QPSK	22.47	22.46	22.42	23.50
	50	LOW	QPSK	22.52	22.51	22.44	23.50
10	1	LOW	Q16	22.46	22.41	22.90	23.50
		MID	Q16	22.48	22.31	22.82	23.50
		HIGH	Q16	22.39	22.31	22.72	23.50
	25	LOW	Q16	21.90	21.86	21.57	22.50
		MID	Q16	21.82	22.01	21.55	22.50
		HIGH	Q16	21.76	21.73	21.47	22.50
	50	LOW	Q16	21.67	21.87	21.41	22.50
10	1	LOW	64QAM	21.46	21.63	22.08	22.50
		MID	64QAM	21.66	21.44	22.13	22.50
		HIGH	64QAM	21.52	21.60	21.78	22.50
	25	LOW	64QAM	21.12	20.93	20.58	21.50
		MID	64QAM	21.02	21.19	20.56	21.50
		HIGH	64QAM	20.83	20.73	20.52	21.50
	50	LOW	64QAM	20.96	21.03	20.57	21.50