

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	19.48	19.41	19.63	20.50
		MID	QPSK	19.26	19.29	19.61	20.50
		HIGH	QPSK	19.05	19.33	19.32	20.50
	12	LOW	QPSK	19.42	19.35	19.49	20.50
		MID	QPSK	19.35	19.63	19.41	20.50
		HIGH	QPSK	19.32	19.68	19.62	20.50
	25	LOW	QPSK	19.48	19.51	19.71	20.50
5	1	LOW	Q16	19.47	19.61	19.80	20.50
		MID	Q16	19.40	19.68	19.58	20.50
		HIGH	Q16	19.33	19.65	19.40	20.50
	12	LOW	Q16	19.19	19.68	19.45	20.50
		MID	Q16	19.34	19.64	19.48	20.50
		HIGH	Q16	19.35	19.69	19.64	20.50
	25	LOW	Q16	19.53	19.47	19.68	20.50
5	1	LOW	64QAM	19.41	19.45	19.60	20.50
		MID	64QAM	19.40	19.70	19.64	20.50
		HIGH	64QAM	19.04	19.45	19.34	20.50
	12	LOW	64QAM	19.25	19.66	19.23	20.50
		MID	64QAM	19.08	19.54	19.52	20.50
		HIGH	64QAM	19.10	19.57	19.46	20.50
	25	LOW	64QAM	19.30	19.35	19.38	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	19.44	19.33	19.59	20.50
		MID	QPSK	19.13	19.41	19.65	20.50
		HIGH	QPSK	19.36	19.36	19.52	20.50
	25	LOW	QPSK	19.40	19.59	19.59	20.50
		MID	QPSK	19.43	19.53	19.41	20.50
		HIGH	QPSK	19.52	19.66	19.52	20.50
	50	LOW	QPSK	19.50	19.61	19.45	20.50
10	1	LOW	Q16	19.33	19.81	19.72	20.50
		MID	Q16	19.52	19.74	19.52	20.50
		HIGH	Q16	19.39	19.73	19.42	20.50
	25	LOW	Q16	19.26	19.42	19.41	20.50
		MID	Q16	19.25	19.64	19.64	20.50
		HIGH	Q16	19.29	19.65	19.46	20.50
	50	LOW	Q16	19.57	19.39	19.42	20.50
10	1	LOW	64QAM	19.43	19.55	19.54	20.50
		MID	64QAM	19.26	19.48	19.54	20.50
		HIGH	64QAM	19.12	19.67	19.62	20.50
	25	LOW	64QAM	19.25	19.40	19.22	20.50
		MID	64QAM	19.27	19.42	19.40	20.50
		HIGH	64QAM	19.17	19.57	19.48	20.50
	50	LOW	64QAM	19.43	19.49	19.40	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	19.40	19.35	19.47	20.50
		MID	QPSK	19.26	19.26	19.45	20.50
		HIGH	QPSK	19.14	19.40	19.38	20.50
	36	LOW	QPSK	19.25	19.33	19.61	20.50
		MID	QPSK	19.41	19.53	19.45	20.50
		HIGH	QPSK	19.40	19.68	19.48	20.50
	75	LOW	QPSK	19.31	19.35	19.49	20.50
15	1	LOW	Q16	19.37	19.55	19.72	20.50
		MID	Q16	19.28	19.58	19.74	20.50
		HIGH	Q16	19.35	19.77	19.48	20.50
	36	LOW	Q16	19.21	19.44	19.61	20.50
		MID	Q16	19.40	19.46	19.66	20.50
		HIGH	Q16	19.49	19.45	19.70	20.50
	75	LOW	Q16	19.41	19.63	19.52	20.50
15	1	LOW	64QAM	19.35	19.47	19.76	20.50
		MID	64QAM	19.34	19.64	19.56	20.50
		HIGH	64QAM	19.19	19.61	19.42	20.50
	36	LOW	64QAM	19.27	19.48	19.41	20.50
		MID	64QAM	19.10	19.38	19.44	20.50
		HIGH	64QAM	19.17	19.69	19.56	20.50
	75	LOW	64QAM	19.41	19.45	19.50	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	19.38	19.63	19.47	20.50
		MID	QPSK	19.30	19.55	19.45	20.50
		HIGH	QPSK	19.26	19.44	19.54	20.50
	50	LOW	QPSK	19.44	19.61	19.53	20.50
		MID	QPSK	19.49	19.63	19.60	20.50
		HIGH	QPSK	19.46	19.60	19.56	20.50
	100	LOW	QPSK	19.50	19.61	19.55	20.50
20	1	LOW	Q16	19.47	19.72	19.75	20.50
		MID	Q16	19.42	19.64	19.78	20.50
		HIGH	Q16	19.37	19.54	19.75	20.50
	50	LOW	Q16	19.38	19.59	19.58	20.50
		MID	Q16	19.46	19.64	19.56	20.50
		HIGH	Q16	19.39	19.60	19.65	20.50
	100	LOW	Q16	19.47	19.64	19.57	20.50
20	1	LOW	64QAM	19.55	19.76	19.67	20.50
		MID	64QAM	19.38	19.64	19.70	20.50
		HIGH	64QAM	19.25	19.54	19.65	20.50
	50	LOW	64QAM	19.21	19.37	19.62	20.50
		MID	64QAM	19.27	19.44	19.52	20.50
		HIGH	64QAM	19.25	19.66	19.71	20.50
	100	LOW	64QAM	19.51	19.54	19.53	20.50

LTE B2-State 17 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.53	18.64	18.29	19.50
		MID	QPSK	18.41	18.38	18.55	19.50
		HIGH	QPSK	18.41	18.67	18.26	19.50
	3	LOW	QPSK	18.72	18.56	18.70	19.50
		MID	QPSK	18.61	18.49	18.69	19.50
		HIGH	QPSK	18.58	18.78	18.54	19.50
6	LOW	QPSK	18.64	18.71	18.51	19.50	
1.4	1	LOW	Q16	19.01	18.77	18.67	19.50
		MID	Q16	18.81	18.71	18.67	19.50
		HIGH	Q16	18.77	18.79	18.50	19.50
	3	LOW	Q16	18.48	18.56	18.62	19.50
		MID	Q16	18.60	18.60	18.68	19.50
		HIGH	Q16	18.63	18.65	18.69	19.50
6	LOW	Q16	18.69	18.64	18.60	19.50	
1.4	1	LOW	64QAM	18.64	18.86	18.41	19.50
		MID	64QAM	18.84	18.77	18.83	19.50
		HIGH	64QAM	18.76	18.61	18.63	19.50
	3	LOW	64QAM	18.58	18.71	18.67	19.50
		MID	64QAM	18.66	18.53	18.54	19.50
		HIGH	64QAM	18.77	18.50	18.61	19.50
6	LOW	64QAM	18.51	18.53	18.65	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	18.40	18.51	18.32	19.50
		MID	QPSK	18.37	18.67	18.28	19.50
		HIGH	QPSK	18.67	18.69	18.22	19.50
	8	LOW	QPSK	18.63	18.66	18.55	19.50
		MID	QPSK	18.65	18.45	18.75	19.50
		HIGH	QPSK	18.73	18.78	18.48	19.50
15	LOW	QPSK	18.52	18.71	18.61	19.50	
3	1	LOW	Q16	18.74	18.92	18.60	19.50
		MID	Q16	18.71	18.85	18.65	19.50
		HIGH	Q16	18.81	18.81	18.58	19.50
	8	LOW	Q16	18.59	18.46	18.43	19.50
		MID	Q16	18.60	18.57	18.68	19.50
		HIGH	Q16	18.59	18.80	18.61	19.50
15	LOW	Q16	18.56	18.77	18.63	19.50	
3	1	LOW	64QAM	18.83	18.60	18.62	19.50
		MID	64QAM	18.70	18.62	18.75	19.50
		HIGH	64QAM	18.83	18.65	18.66	19.50
	8	LOW	64QAM	18.60	18.88	18.60	19.50
		MID	64QAM	18.83	18.50	18.75	19.50
		HIGH	64QAM	18.83	18.58	18.72	19.50
15	LOW	64QAM	18.66	18.51	18.82	19.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	18.47	18.66	18.53	19.50
		MID	QPSK	18.37	18.49	18.39	19.50
		HIGH	QPSK	18.45	18.56	18.30	19.50
	12	LOW	QPSK	18.43	18.45	18.59	19.50
		MID	QPSK	18.72	18.68	18.67	19.50
		HIGH	QPSK	18.73	18.67	18.62	19.50
	25	LOW	QPSK	18.78	18.60	18.63	19.50
5	1	LOW	Q16	18.84	18.90	18.64	19.50
		MID	Q16	18.87	18.91	18.67	19.50
		HIGH	Q16	18.80	18.81	18.60	19.50
	12	LOW	Q16	18.44	18.52	18.49	19.50
		MID	Q16	18.73	18.68	18.70	19.50
		HIGH	Q16	18.78	18.65	18.58	19.50
	25	LOW	Q16	18.73	18.47	18.78	19.50
5	1	LOW	64QAM	18.68	18.81	18.62	19.50
		MID	64QAM	18.85	18.75	18.60	19.50
		HIGH	64QAM	18.80	18.65	18.66	19.50
	12	LOW	64QAM	18.49	18.85	18.71	19.50
		MID	64QAM	18.91	18.66	18.67	19.50
		HIGH	64QAM	18.89	18.78	18.81	19.50
	25	LOW	64QAM	18.58	18.58	18.80	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	18.42	18.37	18.49	19.50
		MID	QPSK	18.37	18.38	18.41	19.50
		HIGH	QPSK	18.51	18.56	18.24	19.50
	25	LOW	QPSK	18.70	18.69	18.46	19.50
		MID	QPSK	18.65	18.43	18.54	19.50
		HIGH	QPSK	18.67	18.53	18.69	19.50
	50	LOW	QPSK	18.50	18.66	18.53	19.50
10	1	LOW	Q16	18.76	18.70	18.56	19.50
		MID	Q16	18.86	18.81	18.63	19.50
		HIGH	Q16	18.88	18.77	18.62	19.50
	25	LOW	Q16	18.58	18.52	18.63	19.50
		MID	Q16	18.69	18.60	18.66	19.50
		HIGH	Q16	18.81	18.53	18.48	19.50
	50	LOW	Q16	18.73	18.77	18.62	19.50
10	1	LOW	64QAM	18.74	18.77	18.54	19.50
		MID	64QAM	18.73	18.75	18.69	19.50
		HIGH	64QAM	18.91	18.59	18.46	19.50
	25	LOW	64QAM	18.43	18.85	18.50	19.50
		MID	64QAM	18.66	18.44	18.78	19.50
		HIGH	64QAM	18.76	18.76	18.79	19.50
	50	LOW	64QAM	18.67	18.53	18.84	19.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	18.59	18.66	18.55	19.50
		MID	QPSK	18.52	18.51	18.41	19.50
		HIGH	QPSK	18.60	18.52	18.37	19.50
	36	LOW	QPSK	18.43	18.55	18.46	19.50
		MID	QPSK	18.72	18.66	18.56	19.50
		HIGH	QPSK	18.73	18.83	18.48	19.50
	75	LOW	QPSK	18.71	18.51	18.53	19.50
15	1	LOW	Q16	18.89	18.71	18.79	19.50
		MID	Q16	18.83	18.80	18.82	19.50
		HIGH	Q16	18.83	18.83	18.67	19.50
	36	LOW	Q16	18.52	18.71	18.43	19.50
		MID	Q16	18.71	18.49	18.51	19.50
		HIGH	Q16	18.59	18.65	18.71	19.50
	75	LOW	Q16	18.77	18.59	18.78	19.50
15	1	LOW	64QAM	18.93	18.81	18.45	19.50
		MID	64QAM	18.78	18.72	18.83	19.50
		HIGH	64QAM	18.99	18.69	18.57	19.50
	36	LOW	64QAM	18.37	18.66	18.71	19.50
		MID	64QAM	18.91	18.55	18.50	19.50
		HIGH	64QAM	18.91	18.50	18.51	19.50
	75	LOW	64QAM	18.51	18.56	18.87	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	18.53	18.57	18.49	19.50
		MID	QPSK	18.56	18.58	18.48	19.50
		HIGH	QPSK	18.60	18.63	18.39	19.50
	50	LOW	QPSK	18.63	18.62	18.61	19.50
		MID	QPSK	18.72	18.64	18.69	19.50
		HIGH	QPSK	18.73	18.74	18.69	19.50
	100	LOW	QPSK	18.71	18.64	18.70	19.50
20	1	LOW	Q16	18.95	18.88	18.73	19.50
		MID	Q16	18.95	18.89	18.76	19.50
		HIGH	Q16	18.94	18.92	18.71	19.50
	50	LOW	Q16	18.65	18.65	18.56	19.50
		MID	Q16	18.73	18.66	18.66	19.50
		HIGH	Q16	18.74	18.74	18.67	19.50
	100	LOW	Q16	18.73	18.68	18.69	19.50
20	1	LOW	64QAM	18.85	18.77	18.60	19.50
		MID	64QAM	18.99	18.81	18.75	19.50
		HIGH	64QAM	18.91	18.80	18.59	19.50
	50	LOW	64QAM	18.56	18.79	18.71	19.50
		MID	64QAM	18.87	18.59	18.71	19.50
		HIGH	64QAM	18.85	18.69	18.72	19.50
	100	LOW	64QAM	18.60	18.62	18.78	19.50

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Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.53	18.64	18.29	19.50
		MID	QPSK	18.41	18.38	18.55	19.50
		HIGH	QPSK	18.41	18.67	18.26	19.50
	3	LOW	QPSK	18.72	18.56	18.70	19.50
		MID	QPSK	18.61	18.49	18.69	19.50
		HIGH	QPSK	18.58	18.78	18.54	19.50
6	LOW	QPSK	18.64	18.71	18.51	19.50	
1.4	1	LOW	Q16	19.01	18.77	18.67	19.50
		MID	Q16	18.81	18.71	18.67	19.50
		HIGH	Q16	18.77	18.79	18.50	19.50
	3	LOW	Q16	18.48	18.56	18.62	19.50
		MID	Q16	18.60	18.60	18.68	19.50
		HIGH	Q16	18.63	18.65	18.69	19.50
6	LOW	Q16	18.69	18.64	18.60	19.50	
1.4	1	LOW	64QAM	18.64	18.86	18.41	19.50
		MID	64QAM	18.84	18.77	18.83	19.50
		HIGH	64QAM	18.76	18.61	18.63	19.50
	3	LOW	64QAM	18.58	18.71	18.67	19.50
		MID	64QAM	18.66	18.53	18.54	19.50
		HIGH	64QAM	18.77	18.50	18.61	19.50
6	LOW	64QAM	18.51	18.53	18.65	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	18.40	18.51	18.32	19.50
		MID	QPSK	18.37	18.67	18.28	19.50
		HIGH	QPSK	18.67	18.69	18.22	19.50
	8	LOW	QPSK	18.63	18.66	18.55	19.50
		MID	QPSK	18.65	18.45	18.75	19.50
		HIGH	QPSK	18.73	18.78	18.48	19.50
15	LOW	QPSK	18.52	18.71	18.61	19.50	
3	1	LOW	Q16	18.74	18.92	18.60	19.50
		MID	Q16	18.71	18.85	18.65	19.50
		HIGH	Q16	18.81	18.81	18.58	19.50
	8	LOW	Q16	18.59	18.46	18.43	19.50
		MID	Q16	18.60	18.57	18.68	19.50
		HIGH	Q16	18.59	18.80	18.61	19.50
15	LOW	Q16	18.56	18.77	18.63	19.50	
3	1	LOW	64QAM	18.83	18.60	18.62	19.50
		MID	64QAM	18.70	18.62	18.75	19.50
		HIGH	64QAM	18.83	18.65	18.66	19.50
	8	LOW	64QAM	18.60	18.88	18.60	19.50
		MID	64QAM	18.83	18.50	18.75	19.50
		HIGH	64QAM	18.83	18.58	18.72	19.50
15	LOW	64QAM	18.66	18.51	18.82	19.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	18.47	18.66	18.53	19.50
		MID	QPSK	18.37	18.49	18.39	19.50
		HIGH	QPSK	18.45	18.56	18.30	19.50
	12	LOW	QPSK	18.43	18.45	18.59	19.50
		MID	QPSK	18.72	18.68	18.67	19.50
		HIGH	QPSK	18.73	18.67	18.62	19.50
	25	LOW	QPSK	18.78	18.60	18.63	19.50
5	1	LOW	Q16	18.84	18.90	18.64	19.50
		MID	Q16	18.87	18.91	18.67	19.50
		HIGH	Q16	18.80	18.81	18.60	19.50
	12	LOW	Q16	18.44	18.52	18.49	19.50
		MID	Q16	18.73	18.68	18.70	19.50
		HIGH	Q16	18.78	18.65	18.58	19.50
	25	LOW	Q16	18.73	18.47	18.78	19.50
5	1	LOW	64QAM	18.68	18.81	18.62	19.50
		MID	64QAM	18.85	18.75	18.60	19.50
		HIGH	64QAM	18.80	18.65	18.66	19.50
	12	LOW	64QAM	18.49	18.85	18.71	19.50
		MID	64QAM	18.91	18.66	18.67	19.50
		HIGH	64QAM	18.89	18.78	18.81	19.50
	25	LOW	64QAM	18.58	18.58	18.80	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	18.42	18.37	18.49	19.50
		MID	QPSK	18.37	18.38	18.41	19.50
		HIGH	QPSK	18.51	18.56	18.24	19.50
	25	LOW	QPSK	18.70	18.69	18.46	19.50
		MID	QPSK	18.65	18.43	18.54	19.50
		HIGH	QPSK	18.67	18.53	18.69	19.50
	50	LOW	QPSK	18.50	18.66	18.53	19.50
10	1	LOW	Q16	18.76	18.70	18.56	19.50
		MID	Q16	18.86	18.81	18.63	19.50
		HIGH	Q16	18.88	18.77	18.62	19.50
	25	LOW	Q16	18.58	18.52	18.63	19.50
		MID	Q16	18.69	18.60	18.66	19.50
		HIGH	Q16	18.81	18.53	18.48	19.50
	50	LOW	Q16	18.73	18.77	18.62	19.50
10	1	LOW	64QAM	18.74	18.77	18.54	19.50
		MID	64QAM	18.73	18.75	18.69	19.50
		HIGH	64QAM	18.91	18.59	18.46	19.50
	25	LOW	64QAM	18.43	18.85	18.50	19.50
		MID	64QAM	18.66	18.44	18.78	19.50
		HIGH	64QAM	18.76	18.76	18.79	19.50
	50	LOW	64QAM	18.67	18.53	18.84	19.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	18.59	18.66	18.55	19.50
		MID	QPSK	18.52	18.51	18.41	19.50
		HIGH	QPSK	18.60	18.52	18.37	19.50
	36	LOW	QPSK	18.43	18.55	18.46	19.50
		MID	QPSK	18.72	18.66	18.56	19.50
		HIGH	QPSK	18.73	18.83	18.48	19.50
	75	LOW	QPSK	18.71	18.51	18.53	19.50
15	1	LOW	Q16	18.89	18.71	18.79	19.50
		MID	Q16	18.83	18.80	18.82	19.50
		HIGH	Q16	18.83	18.83	18.67	19.50
	36	LOW	Q16	18.52	18.71	18.43	19.50
		MID	Q16	18.71	18.49	18.51	19.50
		HIGH	Q16	18.59	18.65	18.71	19.50
	75	LOW	Q16	18.77	18.59	18.78	19.50
15	1	LOW	64QAM	18.93	18.81	18.45	19.50
		MID	64QAM	18.78	18.72	18.83	19.50
		HIGH	64QAM	18.99	18.69	18.57	19.50
	36	LOW	64QAM	18.37	18.66	18.71	19.50
		MID	64QAM	18.91	18.55	18.50	19.50
		HIGH	64QAM	18.91	18.50	18.51	19.50
	75	LOW	64QAM	18.51	18.56	18.87	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	18.53	18.57	18.49	19.50
		MID	QPSK	18.56	18.58	18.48	19.50
		HIGH	QPSK	18.60	18.63	18.39	19.50
	50	LOW	QPSK	18.63	18.62	18.61	19.50
		MID	QPSK	18.72	18.64	18.69	19.50
		HIGH	QPSK	18.73	18.74	18.69	19.50
	100	LOW	QPSK	18.71	18.64	18.70	19.50
20	1	LOW	Q16	18.95	18.88	18.73	19.50
		MID	Q16	18.95	18.89	18.76	19.50
		HIGH	Q16	18.94	18.92	18.71	19.50
	50	LOW	Q16	18.65	18.65	18.56	19.50
		MID	Q16	18.73	18.66	18.66	19.50
		HIGH	Q16	18.74	18.74	18.67	19.50
	100	LOW	Q16	18.73	18.68	18.69	19.50
20	1	LOW	64QAM	18.85	18.77	18.60	19.50
		MID	64QAM	18.99	18.81	18.75	19.50
		HIGH	64QAM	18.91	18.80	18.59	19.50
	50	LOW	64QAM	18.56	18.79	18.71	19.50
		MID	64QAM	18.87	18.59	18.71	19.50
		HIGH	64QAM	18.85	18.69	18.72	19.50
	100	LOW	64QAM	18.60	18.62	18.78	19.50

LTE B2-State 12 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.68	20.65	20.57	22.50
		MID	QPSK	20.60	20.61	20.73	22.50
		HIGH	QPSK	20.54	20.70	20.57	22.50
	3	LOW	QPSK	20.69	20.63	20.67	22.50
		MID	QPSK	20.58	20.86	20.55	22.50
		HIGH	QPSK	20.61	20.65	20.57	22.50
6	LOW	QPSK	20.67	20.64	20.52	22.50	
1.4	1	LOW	Q16	20.79	20.62	20.60	22.50
		MID	Q16	20.74	20.61	20.70	22.50
		HIGH	Q16	20.59	20.70	20.64	22.50
	3	LOW	Q16	20.77	20.68	20.66	22.50
		MID	Q16	20.64	20.71	20.74	22.50
		HIGH	Q16	20.53	20.80	20.72	22.50
6	LOW	Q16	19.55	19.67	19.53	21.50	
1.4	1	LOW	64QAM	19.74	19.68	19.66	21.50
		MID	64QAM	19.63	19.63	19.57	21.50
		HIGH	64QAM	19.81	19.60	19.62	21.50
	3	LOW	64QAM	19.82	19.76	19.66	21.50
		MID	64QAM	19.69	19.71	19.59	21.50
		HIGH	64QAM	19.85	19.64	19.58	21.50
6	LOW	64QAM	18.68	18.59	18.57	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	20.58	20.61	20.55	22.50
		MID	QPSK	20.54	20.67	20.71	22.50
		HIGH	QPSK	20.64	20.68	20.62	22.50
	8	LOW	QPSK	20.55	20.77	20.75	22.50
		MID	QPSK	20.56	20.88	20.51	22.50
		HIGH	QPSK	20.55	20.61	20.61	22.50
15	LOW	QPSK	20.62	20.65	20.66	22.50	
3	1	LOW	Q16	20.75	20.76	20.64	22.50
		MID	Q16	20.64	20.53	20.66	22.50
		HIGH	Q16	20.67	20.58	20.60	22.50
	8	LOW	Q16	19.57	19.69	19.61	21.50
		MID	Q16	19.53	19.63	19.59	21.50
		HIGH	Q16	19.81	19.71	19.79	21.50
15	LOW	Q16	19.63	19.65	19.61	21.50	
3	1	LOW	64QAM	19.76	19.74	19.64	21.50
		MID	64QAM	19.53	19.63	19.57	21.50
		HIGH	64QAM	19.75	19.66	19.54	21.50
	8	LOW	64QAM	18.64	18.51	18.53	20.50
		MID	64QAM	18.52	18.69	18.66	20.50
		HIGH	64QAM	18.62	18.65	18.69	20.50
15	LOW	64QAM	18.55	18.62	18.70	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	20.58	20.51	20.65	22.50
		MID	QPSK	20.62	20.61	20.73	22.50
		HIGH	QPSK	20.64	20.68	20.65	22.50
	12	LOW	QPSK	20.67	20.77	20.85	22.50
		MID	QPSK	20.54	20.76	20.65	22.50
		HIGH	QPSK	20.77	20.61	20.59	22.50
	25	LOW	QPSK	20.62	20.77	20.79	22.50
5	1	LOW	Q16	20.69	20.60	20.62	22.50
		MID	Q16	20.56	20.55	20.93	22.50
		HIGH	Q16	20.55	20.52	20.62	22.50
	12	LOW	Q16	19.53	19.75	19.69	21.50
		MID	Q16	19.69	19.51	19.71	21.50
		HIGH	Q16	19.75	19.65	19.75	21.50
	25	LOW	Q16	19.51	19.73	19.63	21.50
5	1	LOW	64QAM	19.54	19.70	19.62	21.50
		MID	64QAM	19.63	19.57	19.83	21.50
		HIGH	64QAM	19.59	19.68	19.58	21.50
	12	LOW	64QAM	18.68	18.68	18.64	20.50
		MID	64QAM	18.56	18.73	18.65	20.50
		HIGH	64QAM	18.56	18.56	18.70	20.50
	25	LOW	64QAM	18.58	18.61	18.62	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	20.58	20.57	20.53	22.50
		MID	QPSK	20.58	20.51	20.65	22.50
		HIGH	QPSK	20.58	20.62	20.61	22.50
	25	LOW	QPSK	20.65	20.71	20.77	22.50
		MID	QPSK	20.57	20.82	20.63	22.50
		HIGH	QPSK	20.67	20.55	20.55	22.50
	50	LOW	QPSK	20.65	20.67	20.69	22.50
10	1	LOW	Q16	20.69	20.70	20.58	22.50
		MID	Q16	20.64	20.51	20.85	22.50
		HIGH	Q16	20.51	20.58	20.54	22.50
	25	LOW	Q16	19.51	19.73	19.69	21.50
		MID	Q16	19.65	19.61	19.61	21.50
		HIGH	Q16	19.77	19.61	19.77	21.50
	50	LOW	Q16	19.51	19.65	19.59	21.50
10	1	LOW	64QAM	19.74	19.82	19.60	21.50
		MID	64QAM	19.69	19.57	19.79	21.50
		HIGH	64QAM	19.71	19.56	19.58	21.50
	25	LOW	64QAM	18.55	18.57	18.57	20.50
		MID	64QAM	18.58	18.64	18.52	20.50
		HIGH	64QAM	18.69	18.67	18.66	20.50
	50	LOW	64QAM	18.55	18.55	18.57	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	20.52	20.53	20.57	22.50
		MID	QPSK	20.52	20.59	20.68	22.50
		HIGH	QPSK	20.70	20.63	20.59	22.50
	36	LOW	QPSK	20.71	20.61	20.67	22.50
		MID	QPSK	20.67	20.80	20.55	22.50
		HIGH	QPSK	20.55	20.53	20.63	22.50
	75	LOW	QPSK	20.61	20.55	20.71	22.50
15	1	LOW	Q16	20.57	20.69	20.61	22.50
		MID	Q16	20.56	20.63	20.75	22.50
		HIGH	Q16	20.59	20.57	20.55	22.50
	36	LOW	Q16	19.71	19.73	19.59	21.50
		MID	Q16	19.63	19.53	19.55	21.50
		HIGH	Q16	19.79	19.53	19.73	21.50
	75	LOW	Q16	19.73	19.65	19.51	21.50
15	1	LOW	64QAM	19.68	19.76	19.52	21.50
		MID	64QAM	19.63	19.71	19.69	21.50
		HIGH	64QAM	19.67	19.56	19.56	21.50
	36	LOW	64QAM	18.68	18.63	18.68	20.50
		MID	64QAM	18.62	18.65	18.58	20.50
		HIGH	64QAM	18.68	18.58	18.68	20.50
	75	LOW	64QAM	18.55	18.70	18.63	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	20.65	20.65	20.52	22.50
		MID	QPSK	20.58	20.60	20.55	22.50
		HIGH	QPSK	20.56	20.66	20.60	22.50
	50	LOW	QPSK	20.65	20.66	20.55	22.50
		MID	QPSK	20.60	20.68	20.66	22.50
		HIGH	QPSK	20.67	20.77	20.69	22.50
	100	LOW	QPSK	20.74	20.70	20.72	22.50
20	1	LOW	Q16	20.69	20.68	20.67	22.50
		MID	Q16	20.70	20.60	20.66	22.50
		HIGH	Q16	20.61	20.65	20.71	22.50
	50	LOW	Q16	19.69	19.65	19.59	21.50
		MID	Q16	19.67	19.63	19.67	21.50
		HIGH	Q16	19.67	19.53	19.67	21.50
	100	LOW	Q16	19.63	19.65	19.63	21.50
20	1	LOW	64QAM	19.74	19.68	19.66	21.50
		MID	64QAM	19.67	19.57	19.57	21.50
		HIGH	64QAM	19.51	19.52	19.56	21.50
	50	LOW	64QAM	18.87	18.79	18.83	20.50
		MID	64QAM	18.54	18.60	18.56	20.50
		HIGH	64QAM	18.64	18.55	18.58	20.50
	100	LOW	64QAM	18.67	18.51	18.69	20.50

LTE B2-State 16 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.68	20.65	20.57	22.00
		MID	QPSK	20.60	20.61	20.73	22.00
		HIGH	QPSK	20.54	20.70	20.57	22.00
	3	LOW	QPSK	20.69	20.63	20.67	22.00
		MID	QPSK	20.58	20.86	20.55	22.00
		HIGH	QPSK	20.61	20.65	20.57	22.00
6	LOW	QPSK	20.67	20.64	20.52	22.00	
1.4	1	LOW	Q16	20.79	20.62	20.60	22.00
		MID	Q16	20.74	20.61	20.70	22.00
		HIGH	Q16	20.59	20.70	20.64	22.00
	3	LOW	Q16	20.77	20.68	20.66	21.50
		MID	Q16	20.64	20.71	20.74	21.50
		HIGH	Q16	20.53	20.80	20.72	21.50
	6	LOW	Q16	19.55	19.67	19.53	21.50
		LOW	64QAM	19.74	19.68	19.66	21.50
		MID	64QAM	19.63	19.63	19.57	21.50
1.4	1	HIGH	64QAM	19.81	19.60	19.62	21.50
		LOW	64QAM	19.82	19.76	19.66	20.50
		MID	64QAM	19.69	19.71	19.59	20.50
	3	HIGH	64QAM	19.85	19.64	19.58	20.50
		LOW	64QAM	18.68	18.59	18.57	20.50
		6	LOW	64QAM	18.68	18.59	18.57
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	20.58	20.61	20.55	22.00
		MID	QPSK	20.54	20.67	20.71	22.00
		HIGH	QPSK	20.64	20.68	20.62	22.00
	8	LOW	QPSK	20.55	20.77	20.75	22.00
		MID	QPSK	20.56	20.88	20.51	22.00
		HIGH	QPSK	20.55	20.61	20.61	22.00
3	15	LOW	QPSK	20.62	20.65	20.66	22.00
		LOW	Q16	20.75	20.76	20.64	22.00
		MID	Q16	20.64	20.53	20.66	22.00
	1	HIGH	Q16	20.67	20.58	20.60	22.00
		LOW	Q16	19.57	19.69	19.61	21.50
		MID	Q16	19.53	19.63	19.59	21.50
	8	HIGH	Q16	19.81	19.71	19.79	21.50
		LOW	Q16	19.63	19.65	19.61	21.50
		15	LOW	Q16	19.63	19.65	19.61
3	1	LOW	64QAM	19.76	19.74	19.64	21.50
		MID	64QAM	19.53	19.63	19.57	21.50
		HIGH	64QAM	19.75	19.66	19.54	21.50
	8	LOW	64QAM	18.64	18.51	18.53	20.50
		MID	64QAM	18.52	18.69	18.66	20.50
		HIGH	64QAM	18.62	18.65	18.69	20.50
15	LOW	64QAM	18.55	18.62	18.70	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	20.58	20.51	20.65	22.00
		MID	QPSK	20.62	20.61	20.73	22.00
		HIGH	QPSK	20.64	20.68	20.65	22.00
	12	LOW	QPSK	20.67	20.77	20.85	22.00
		MID	QPSK	20.54	20.76	20.65	22.00
		HIGH	QPSK	20.77	20.61	20.59	22.00
	25	LOW	QPSK	20.62	20.77	20.79	22.00
5	1	LOW	Q16	20.69	20.60	20.62	22.00
		MID	Q16	20.56	20.55	20.93	22.00
		HIGH	Q16	20.55	20.52	20.62	22.00
	12	LOW	Q16	19.53	19.75	19.69	21.50
		MID	Q16	19.69	19.51	19.71	21.50
		HIGH	Q16	19.75	19.65	19.75	21.50
	25	LOW	Q16	19.51	19.73	19.63	21.50
5	1	LOW	64QAM	19.54	19.70	19.62	21.50
		MID	64QAM	19.63	19.57	19.83	21.50
		HIGH	64QAM	19.59	19.68	19.58	21.50
	12	LOW	64QAM	18.68	18.68	18.64	20.50
		MID	64QAM	18.56	18.73	18.65	20.50
		HIGH	64QAM	18.56	18.56	18.70	20.50
	25	LOW	64QAM	18.58	18.61	18.62	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	20.58	20.57	20.53	22.00
		MID	QPSK	20.58	20.51	20.65	22.00
		HIGH	QPSK	20.58	20.62	20.61	22.00
	25	LOW	QPSK	20.65	20.71	20.77	22.00
		MID	QPSK	20.57	20.82	20.63	22.00
		HIGH	QPSK	20.67	20.55	20.55	22.00
	50	LOW	QPSK	20.65	20.67	20.69	22.00
10	1	LOW	Q16	20.69	20.70	20.58	22.00
		MID	Q16	20.64	20.51	20.85	22.00
		HIGH	Q16	20.51	20.58	20.54	22.00
	25	LOW	Q16	19.51	19.73	19.69	21.50
		MID	Q16	19.65	19.61	19.61	21.50
		HIGH	Q16	19.77	19.61	19.77	21.50
	50	LOW	Q16	19.51	19.65	19.59	21.50
10	1	LOW	64QAM	19.74	19.82	19.60	21.50
		MID	64QAM	19.69	19.57	19.79	21.50
		HIGH	64QAM	19.71	19.56	19.58	21.50
	25	LOW	64QAM	18.55	18.57	18.57	20.50
		MID	64QAM	18.58	18.64	18.52	20.50
		HIGH	64QAM	18.69	18.67	18.66	20.50
	50	LOW	64QAM	18.55	18.55	18.57	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	20.52	20.53	20.57	22.00
		MID	QPSK	20.52	20.59	20.68	22.00
		HIGH	QPSK	20.70	20.63	20.59	22.00
	36	LOW	QPSK	20.71	20.61	20.67	22.00
		MID	QPSK	20.67	20.80	20.55	22.00
		HIGH	QPSK	20.55	20.53	20.63	22.00
	75	LOW	QPSK	20.61	20.55	20.71	22.00
15	1	LOW	Q16	20.57	20.69	20.61	22.00
		MID	Q16	20.56	20.63	20.75	22.00
		HIGH	Q16	20.59	20.57	20.55	22.00
	36	LOW	Q16	19.71	19.73	19.59	21.50
		MID	Q16	19.63	19.53	19.55	21.50
		HIGH	Q16	19.79	19.53	19.73	21.50
	75	LOW	Q16	19.73	19.65	19.51	21.50
15	1	LOW	64QAM	19.68	19.76	19.52	21.50
		MID	64QAM	19.63	19.71	19.69	21.50
		HIGH	64QAM	19.67	19.56	19.56	21.50
	36	LOW	64QAM	18.68	18.63	18.68	20.50
		MID	64QAM	18.62	18.65	18.58	20.50
		HIGH	64QAM	18.68	18.58	18.68	20.50
	75	LOW	64QAM	18.55	18.70	18.63	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	20.65	20.65	20.52	22.00
		MID	QPSK	20.58	20.60	20.55	22.00
		HIGH	QPSK	20.56	20.66	20.60	22.00
	50	LOW	QPSK	20.65	20.66	20.55	22.00
		MID	QPSK	20.60	20.68	20.66	22.00
		HIGH	QPSK	20.67	20.77	20.69	22.00
	100	LOW	QPSK	20.74	20.70	20.72	22.00
20	1	LOW	Q16	20.69	20.68	20.67	22.00
		MID	Q16	20.70	20.60	20.66	22.00
		HIGH	Q16	20.61	20.65	20.71	22.00
	50	LOW	Q16	19.69	19.65	19.59	21.50
		MID	Q16	19.67	19.63	19.67	21.50
		HIGH	Q16	19.67	19.53	19.67	21.50
	100	LOW	Q16	19.63	19.65	19.63	21.50
20	1	LOW	64QAM	19.74	19.68	19.66	21.50
		MID	64QAM	19.67	19.57	19.57	21.50
		HIGH	64QAM	19.51	19.52	19.56	21.50
	50	LOW	64QAM	18.87	18.79	18.83	20.50
		MID	64QAM	18.54	18.60	18.56	20.50
		HIGH	64QAM	18.64	18.55	18.58	20.50
	100	LOW	64QAM	18.67	18.51	18.69	20.50

LTE B2-State 18 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.68	20.65	20.57	21.50
		MID	QPSK	20.60	20.61	20.73	21.50
		HIGH	QPSK	20.54	20.70	20.57	21.50
	3	LOW	QPSK	20.69	20.63	20.67	21.50
		MID	QPSK	20.58	20.86	20.55	21.50
		HIGH	QPSK	20.61	20.65	20.57	21.50
6	LOW	QPSK	20.67	20.64	20.52	21.50	
1.4	1	LOW	Q16	20.79	20.62	20.60	21.50
		MID	Q16	20.74	20.61	20.70	21.50
		HIGH	Q16	20.59	20.70	20.64	21.50
	3	LOW	Q16	20.77	20.68	20.66	21.50
		MID	Q16	20.64	20.71	20.74	21.50
		HIGH	Q16	20.53	20.80	20.72	21.50
6	LOW	Q16	19.55	19.67	19.53	21.50	
1.4	1	LOW	64QAM	19.74	19.68	19.66	21.50
		MID	64QAM	19.63	19.63	19.57	21.50
		HIGH	64QAM	19.81	19.60	19.62	21.50
	3	LOW	64QAM	19.82	19.76	19.66	20.50
		MID	64QAM	19.69	19.71	19.59	20.50
		HIGH	64QAM	19.85	19.64	19.58	20.50
6	LOW	64QAM	18.68	18.59	18.57	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	20.58	20.61	20.55	21.50
		MID	QPSK	20.54	20.67	20.71	21.50
		HIGH	QPSK	20.64	20.68	20.62	21.50
	8	LOW	QPSK	20.55	20.77	20.75	21.50
		MID	QPSK	20.56	20.88	20.51	21.50
		HIGH	QPSK	20.55	20.61	20.61	21.50
15	LOW	QPSK	20.62	20.65	20.66	21.50	
3	1	LOW	Q16	20.75	20.76	20.64	21.50
		MID	Q16	20.64	20.53	20.66	21.50
		HIGH	Q16	20.67	20.58	20.60	21.50
	8	LOW	Q16	19.57	19.69	19.61	21.50
		MID	Q16	19.53	19.63	19.59	21.50
		HIGH	Q16	19.81	19.71	19.79	21.50
15	LOW	Q16	19.63	19.65	19.61	21.50	
3	1	LOW	64QAM	19.76	19.74	19.64	21.50
		MID	64QAM	19.53	19.63	19.57	21.50
		HIGH	64QAM	19.75	19.66	19.54	21.50
	8	LOW	64QAM	18.64	18.51	18.53	20.50
		MID	64QAM	18.52	18.69	18.66	20.50
		HIGH	64QAM	18.62	18.65	18.69	20.50
15	LOW	64QAM	18.55	18.62	18.70	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	20.58	20.51	20.65	21.50
		MID	QPSK	20.62	20.61	20.73	21.50
		HIGH	QPSK	20.64	20.68	20.65	21.50
	12	LOW	QPSK	20.67	20.77	20.85	21.50
		MID	QPSK	20.54	20.76	20.65	21.50
		HIGH	QPSK	20.77	20.61	20.59	21.50
	25	LOW	QPSK	20.62	20.77	20.79	21.50
5	1	LOW	Q16	20.69	20.60	20.62	21.50
		MID	Q16	20.56	20.55	20.93	21.50
		HIGH	Q16	20.55	20.52	20.62	21.50
	12	LOW	Q16	19.53	19.75	19.69	21.50
		MID	Q16	19.69	19.51	19.71	21.50
		HIGH	Q16	19.75	19.65	19.75	21.50
	25	LOW	Q16	19.51	19.73	19.63	21.50
5	1	LOW	64QAM	19.54	19.70	19.62	21.50
		MID	64QAM	19.63	19.57	19.83	21.50
		HIGH	64QAM	19.59	19.68	19.58	21.50
	12	LOW	64QAM	18.68	18.68	18.64	20.50
		MID	64QAM	18.56	18.73	18.65	20.50
		HIGH	64QAM	18.56	18.56	18.70	20.50
	25	LOW	64QAM	18.58	18.61	18.62	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	20.58	20.57	20.53	21.50
		MID	QPSK	20.58	20.51	20.65	21.50
		HIGH	QPSK	20.58	20.62	20.61	21.50
	25	LOW	QPSK	20.65	20.71	20.77	21.50
		MID	QPSK	20.57	20.82	20.63	21.50
		HIGH	QPSK	20.67	20.55	20.55	21.50
	50	LOW	QPSK	20.65	20.67	20.69	21.50
10	1	LOW	Q16	20.69	20.70	20.58	21.50
		MID	Q16	20.64	20.51	20.85	21.50
		HIGH	Q16	20.51	20.58	20.54	21.50
	25	LOW	Q16	19.51	19.73	19.69	21.50
		MID	Q16	19.65	19.61	19.61	21.50
		HIGH	Q16	19.77	19.61	19.77	21.50
	50	LOW	Q16	19.51	19.65	19.59	21.50
10	1	LOW	64QAM	19.74	19.82	19.60	21.50
		MID	64QAM	19.69	19.57	19.79	21.50
		HIGH	64QAM	19.71	19.56	19.58	21.50
	25	LOW	64QAM	18.55	18.57	18.57	20.50
		MID	64QAM	18.58	18.64	18.52	20.50
		HIGH	64QAM	18.69	18.67	18.66	20.50
	50	LOW	64QAM	18.55	18.55	18.57	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	20.52	20.53	20.57	21.50
		MID	QPSK	20.52	20.59	20.68	21.50
		HIGH	QPSK	20.70	20.63	20.59	21.50
	36	LOW	QPSK	20.71	20.61	20.67	21.50
		MID	QPSK	20.67	20.80	20.55	21.50
		HIGH	QPSK	20.55	20.53	20.63	21.50
	75	LOW	QPSK	20.61	20.55	20.71	21.50
15	1	LOW	Q16	20.57	20.69	20.61	21.50
		MID	Q16	20.56	20.63	20.75	21.50
		HIGH	Q16	20.59	20.57	20.55	21.50
	36	LOW	Q16	19.71	19.73	19.59	21.50
		MID	Q16	19.63	19.53	19.55	21.50
		HIGH	Q16	19.79	19.53	19.73	21.50
	75	LOW	Q16	19.73	19.65	19.51	21.50
15	1	LOW	64QAM	19.68	19.76	19.52	21.50
		MID	64QAM	19.63	19.71	19.69	21.50
		HIGH	64QAM	19.67	19.56	19.56	21.50
	36	LOW	64QAM	18.68	18.63	18.68	20.50
		MID	64QAM	18.62	18.65	18.58	20.50
		HIGH	64QAM	18.68	18.58	18.68	20.50
	75	LOW	64QAM	18.55	18.70	18.63	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	20.65	20.65	20.52	21.50
		MID	QPSK	20.58	20.60	20.55	21.50
		HIGH	QPSK	20.56	20.66	20.60	21.50
	50	LOW	QPSK	20.65	20.66	20.55	21.50
		MID	QPSK	20.60	20.68	20.66	21.50
		HIGH	QPSK	20.67	20.77	20.69	21.50
	100	LOW	QPSK	20.74	20.70	20.72	21.50
20	1	LOW	Q16	20.69	20.68	20.67	21.50
		MID	Q16	20.70	20.60	20.66	21.50
		HIGH	Q16	20.61	20.65	20.71	21.50
	50	LOW	Q16	19.69	19.65	19.59	21.50
		MID	Q16	19.67	19.63	19.67	21.50
		HIGH	Q16	19.67	19.53	19.67	21.50
	100	LOW	Q16	19.63	19.65	19.63	21.50
20	1	LOW	64QAM	19.74	19.68	19.66	21.50
		MID	64QAM	19.67	19.57	19.57	21.50
		HIGH	64QAM	19.51	19.52	19.56	21.50
	50	LOW	64QAM	18.87	18.79	18.83	20.50
		MID	64QAM	18.54	18.60	18.56	20.50
		HIGH	64QAM	18.64	18.55	18.58	20.50
	100	LOW	64QAM	18.67	18.51	18.69	20.50

LTE B2-State 20 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.68	20.65	20.57	22.00
		MID	QPSK	20.60	20.61	20.73	22.00
		HIGH	QPSK	20.54	20.70	20.57	22.00
	3	LOW	QPSK	20.69	20.63	20.67	22.00
		MID	QPSK	20.58	20.86	20.55	22.00
		HIGH	QPSK	20.61	20.65	20.57	22.00
6	LOW	QPSK	20.67	20.64	20.52	22.00	
1.4	1	LOW	Q16	20.79	20.62	20.60	22.00
		MID	Q16	20.74	20.61	20.70	22.00
		HIGH	Q16	20.59	20.70	20.64	22.00
	3	LOW	Q16	20.77	20.68	20.66	21.50
		MID	Q16	20.64	20.71	20.74	21.50
		HIGH	Q16	20.53	20.80	20.72	21.50
6	LOW	Q16	19.55	19.67	19.53	21.50	
1.4	1	LOW	64QAM	19.74	19.68	19.66	21.50
		MID	64QAM	19.63	19.63	19.57	21.50
		HIGH	64QAM	19.81	19.60	19.62	21.50
	3	LOW	64QAM	19.82	19.76	19.66	20.50
		MID	64QAM	19.69	19.71	19.59	20.50
		HIGH	64QAM	19.85	19.64	19.58	20.50
6	LOW	64QAM	18.68	18.59	18.57	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	20.58	20.61	20.55	22.00
		MID	QPSK	20.54	20.67	20.71	22.00
		HIGH	QPSK	20.64	20.68	20.62	22.00
	8	LOW	QPSK	20.55	20.77	20.75	22.00
		MID	QPSK	20.56	20.88	20.51	22.00
		HIGH	QPSK	20.55	20.61	20.61	22.00
15	LOW	QPSK	20.62	20.65	20.66	22.00	
3	1	LOW	Q16	20.75	20.76	20.64	22.00
		MID	Q16	20.64	20.53	20.66	22.00
		HIGH	Q16	20.67	20.58	20.60	22.00
	8	LOW	Q16	19.57	19.69	19.61	21.50
		MID	Q16	19.53	19.63	19.59	21.50
		HIGH	Q16	19.81	19.71	19.79	21.50
15	LOW	Q16	19.63	19.65	19.61	21.50	
3	1	LOW	64QAM	19.76	19.74	19.64	21.50
		MID	64QAM	19.53	19.63	19.57	21.50
		HIGH	64QAM	19.75	19.66	19.54	21.50
	8	LOW	64QAM	18.64	18.51	18.53	20.50
		MID	64QAM	18.52	18.69	18.66	20.50
		HIGH	64QAM	18.62	18.65	18.69	20.50
15	LOW	64QAM	18.55	18.62	18.70	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	20.58	20.51	20.65	22.00
		MID	QPSK	20.62	20.61	20.73	22.00
		HIGH	QPSK	20.64	20.68	20.65	22.00
	12	LOW	QPSK	20.67	20.77	20.85	22.00
		MID	QPSK	20.54	20.76	20.65	22.00
		HIGH	QPSK	20.77	20.61	20.59	22.00
	25	LOW	QPSK	20.62	20.77	20.79	22.00
5	1	LOW	Q16	20.69	20.60	20.62	22.00
		MID	Q16	20.56	20.55	20.93	22.00
		HIGH	Q16	20.55	20.52	20.62	22.00
	12	LOW	Q16	19.53	19.75	19.69	21.50
		MID	Q16	19.69	19.51	19.71	21.50
		HIGH	Q16	19.75	19.65	19.75	21.50
	25	LOW	Q16	19.51	19.73	19.63	21.50
5	1	LOW	64QAM	19.54	19.70	19.62	21.50
		MID	64QAM	19.63	19.57	19.83	21.50
		HIGH	64QAM	19.59	19.68	19.58	21.50
	12	LOW	64QAM	18.68	18.68	18.64	20.50
		MID	64QAM	18.56	18.73	18.65	20.50
		HIGH	64QAM	18.56	18.56	18.70	20.50
	25	LOW	64QAM	18.58	18.61	18.62	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	20.58	20.57	20.53	22.00
		MID	QPSK	20.58	20.51	20.65	22.00
		HIGH	QPSK	20.58	20.62	20.61	22.00
	25	LOW	QPSK	20.65	20.71	20.77	22.00
		MID	QPSK	20.57	20.82	20.63	22.00
		HIGH	QPSK	20.67	20.55	20.55	22.00
	50	LOW	QPSK	20.65	20.67	20.69	22.00
10	1	LOW	Q16	20.69	20.70	20.58	22.00
		MID	Q16	20.64	20.51	20.85	22.00
		HIGH	Q16	20.51	20.58	20.54	22.00
	25	LOW	Q16	19.51	19.73	19.69	21.50
		MID	Q16	19.65	19.61	19.61	21.50
		HIGH	Q16	19.77	19.61	19.77	21.50
	50	LOW	Q16	19.51	19.65	19.59	21.50
10	1	LOW	64QAM	19.74	19.82	19.60	21.50
		MID	64QAM	19.69	19.57	19.79	21.50
		HIGH	64QAM	19.71	19.56	19.58	21.50
	25	LOW	64QAM	18.55	18.57	18.57	20.50
		MID	64QAM	18.58	18.64	18.52	20.50
		HIGH	64QAM	18.69	18.67	18.66	20.50
	50	LOW	64QAM	18.55	18.55	18.57	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	20.52	20.53	20.57	22.00
		MID	QPSK	20.52	20.59	20.68	22.00
		HIGH	QPSK	20.70	20.63	20.59	22.00
	36	LOW	QPSK	20.71	20.61	20.67	22.00
		MID	QPSK	20.67	20.80	20.55	22.00
		HIGH	QPSK	20.55	20.53	20.63	22.00
	75	LOW	QPSK	20.61	20.55	20.71	22.00
15	1	LOW	Q16	20.57	20.69	20.61	22.00
		MID	Q16	20.56	20.63	20.75	22.00
		HIGH	Q16	20.59	20.57	20.55	22.00
	36	LOW	Q16	19.71	19.73	19.59	21.50
		MID	Q16	19.63	19.53	19.55	21.50
		HIGH	Q16	19.79	19.53	19.73	21.50
	75	LOW	Q16	19.73	19.65	19.51	21.50
15	1	LOW	64QAM	19.68	19.76	19.52	21.50
		MID	64QAM	19.63	19.71	19.69	21.50
		HIGH	64QAM	19.67	19.56	19.56	21.50
	36	LOW	64QAM	18.68	18.63	18.68	20.50
		MID	64QAM	18.62	18.65	18.58	20.50
		HIGH	64QAM	18.68	18.58	18.68	20.50
	75	LOW	64QAM	18.55	18.70	18.63	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	20.65	20.65	20.52	22.00
		MID	QPSK	20.58	20.60	20.55	22.00
		HIGH	QPSK	20.56	20.66	20.60	22.00
	50	LOW	QPSK	20.65	20.66	20.55	22.00
		MID	QPSK	20.60	20.68	20.66	22.00
		HIGH	QPSK	20.67	20.77	20.69	22.00
	100	LOW	QPSK	20.74	20.70	20.72	22.00
20	1	LOW	Q16	20.69	20.68	20.67	22.00
		MID	Q16	20.70	20.60	20.66	22.00
		HIGH	Q16	20.61	20.65	20.71	22.00
	50	LOW	Q16	19.69	19.65	19.59	21.50
		MID	Q16	19.67	19.63	19.67	21.50
		HIGH	Q16	19.67	19.53	19.67	21.50
	100	LOW	Q16	19.63	19.65	19.63	21.50
20	1	LOW	64QAM	19.74	19.68	19.66	21.50
		MID	64QAM	19.67	19.57	19.57	21.50
		HIGH	64QAM	19.51	19.52	19.56	21.50
	50	LOW	64QAM	18.87	18.79	18.83	20.50
		MID	64QAM	18.54	18.60	18.56	20.50
		HIGH	64QAM	18.64	18.55	18.58	20.50
	100	LOW	64QAM	18.67	18.51	18.69	20.50

LTE B2-State 11-Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.80	22.98	22.83	23.50
		MID	QPSK	22.98	22.95	22.79	23.50
		HIGH	QPSK	22.60	22.91	22.74	23.50
	3	LOW	QPSK	22.65	22.89	22.60	23.50
		MID	QPSK	22.48	22.77	22.68	23.50
		HIGH	QPSK	22.60	22.96	22.74	23.50
	6	LOW	QPSK	22.03	22.18	22.18	22.50
1.4	1	LOW	Q16	22.49	22.39	22.12	22.50
		MID	Q16	22.24	22.37	22.39	22.50
		HIGH	Q16	22.17	22.43	22.40	22.50
	3	LOW	Q16	22.29	22.20	22.19	22.50
		MID	Q16	22.24	22.41	22.35	22.50
		HIGH	Q16	22.31	22.12	22.31	22.50
	6	LOW	Q16	21.13	21.18	20.87	21.50
1.4	1	LOW	64QAM	21.32	21.38	21.44	21.50
		MID	64QAM	21.43	21.17	21.26	21.50
		HIGH	64QAM	21.49	21.34	21.33	21.50
	3	LOW	64QAM	21.42	21.40	21.27	21.50
		MID	64QAM	21.26	21.15	21.16	21.50
		HIGH	64QAM	21.11	21.30	21.22	21.50
	6	LOW	64QAM	19.90	19.63	19.75	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.69	22.91	22.67	23.50
		MID	QPSK	22.96	22.99	22.82	23.50
		HIGH	QPSK	22.94	22.85	22.85	23.50
	8	LOW	QPSK	21.85	22.08	21.80	22.50
		MID	QPSK	22.04	21.98	22.05	22.50
		HIGH	QPSK	22.02	22.00	22.04	22.50
	15	LOW	QPSK	22.08	22.03	21.92	22.50
3	1	LOW	Q16	22.31	22.37	22.16	22.50
		MID	Q16	22.35	22.43	22.17	22.50
		HIGH	Q16	22.20	22.22	22.18	22.50
	8	LOW	Q16	20.95	20.98	20.95	21.50
		MID	Q16	20.95	20.99	20.91	21.50
		HIGH	Q16	20.84	21.11	20.79	21.50
	15	LOW	Q16	21.22	20.99	21.04	21.50
3	1	LOW	64QAM	21.49	21.19	21.48	21.50
		MID	64QAM	21.45	21.15	21.22	21.50
		HIGH	64QAM	21.34	21.34	21.29	21.50
	8	LOW	64QAM	19.83	19.80	19.69	20.00
		MID	64QAM	19.87	19.61	19.97	20.00
		HIGH	64QAM	19.77	19.70	19.81	20.00
	15	LOW	64QAM	19.82	19.65	19.81	20.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.62	22.87	22.96	23.50
		MID	QPSK	22.78	22.92	22.89	23.50
		HIGH	QPSK	22.62	22.87	22.76	23.50
	12	LOW	QPSK	22.14	21.95	22.02	22.50
		MID	QPSK	21.99	22.25	22.05	22.50
		HIGH	QPSK	21.84	21.91	21.84	22.50
	25	LOW	QPSK	21.90	22.05	21.87	22.50
5	1	LOW	Q16	22.36	22.39	22.41	22.50
		MID	Q16	22.24	22.43	22.21	22.50
		HIGH	Q16	22.40	22.47	22.35	22.50
	12	LOW	Q16	21.16	20.94	21.07	21.50
		MID	Q16	20.89	20.93	20.95	21.50
		HIGH	Q16	21.03	21.17	20.81	21.50
	25	LOW	Q16	20.98	21.12	21.19	21.50
5	1	LOW	64QAM	21.45	21.21	21.46	21.50
		MID	64QAM	21.32	21.41	21.16	21.50
		HIGH	64QAM	21.29	21.34	21.35	21.50
	12	LOW	64QAM	19.87	19.98	19.87	20.00
		MID	64QAM	19.81	19.79	19.81	20.00
		HIGH	64QAM	19.95	19.84	19.73	20.00
	25	LOW	64QAM	19.78	19.91	19.97	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.71	22.80	22.69	23.50
		MID	QPSK	22.82	22.74	22.89	23.50
		HIGH	QPSK	22.67	23.10	22.85	23.50
	25	LOW	QPSK	21.90	21.97	21.93	22.50
		MID	QPSK	21.86	21.94	21.98	22.50
		HIGH	QPSK	21.88	22.13	22.13	22.50
	50	LOW	QPSK	21.88	22.00	22.03	22.50
10	1	LOW	Q16	22.38	22.28	22.34	22.50
		MID	Q16	22.42	22.25	22.30	22.50
		HIGH	Q16	22.33	22.22	22.24	22.50
	25	LOW	Q16	21.18	20.96	20.97	21.50
		MID	Q16	21.08	21.03	21.10	21.50
		HIGH	Q16	21.03	21.11	21.06	21.50
	50	LOW	Q16	21.00	21.16	20.97	21.50
10	1	LOW	64QAM	21.32	21.23	21.35	21.50
		MID	64QAM	21.32	21.19	21.33	21.50
		HIGH	64QAM	21.34	21.32	21.35	21.50
	25	LOW	64QAM	19.67	20.00	19.85	20.00
		MID	64QAM	19.85	19.85	19.95	20.00
		HIGH	64QAM	19.83	19.92	19.77	20.00
	50	LOW	64QAM	19.66	19.63	19.93	20.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.69	23.05	22.92	23.50
		MID	QPSK	22.98	22.90	22.75	23.50
		HIGH	QPSK	22.88	22.98	22.71	23.50
	36	LOW	QPSK	21.94	22.03	21.87	22.50
		MID	QPSK	22.17	22.09	21.87	22.50
		HIGH	QPSK	21.86	22.11	22.13	22.50
	75	LOW	QPSK	22.21	22.03	22.03	22.50
15	1	LOW	Q16	22.33	22.19	22.16	22.50
		MID	Q16	22.35	22.28	22.41	22.50
		HIGH	Q16	22.46	22.47	22.27	22.50
	36	LOW	Q16	20.93	21.17	21.03	21.50
		MID	Q16	20.89	21.06	21.00	21.50
		HIGH	Q16	20.82	21.07	20.87	21.50
	75	LOW	Q16	21.22	20.95	21.00	21.50
15	1	LOW	64QAM	21.36	21.17	21.27	21.50
		MID	64QAM	21.43	21.36	21.37	21.50
		HIGH	64QAM	21.17	21.49	21.39	21.50
	36	LOW	64QAM	19.83	19.74	19.97	20.00
		MID	64QAM	19.69	19.71	19.73	20.00
		HIGH	64QAM	19.79	19.94	19.95	20.00
	75	LOW	64QAM	19.80	19.67	19.99	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.85	23.05	22.85	23.50
		MID	QPSK	22.89	22.97	22.84	23.50
		HIGH	QPSK	22.83	23.03	22.85	23.50
	50	LOW	QPSK	22.03	22.10	22.02	22.50
		MID	QPSK	22.06	22.16	22.07	22.50
		HIGH	QPSK	22.06	22.13	22.06	22.50
	100	LOW	QPSK	22.10	22.16	22.07	22.50
20	1	LOW	Q16	22.49	22.41	22.32	22.50
		MID	Q16	22.44	22.41	22.30	22.50
		HIGH	Q16	22.42	22.47	22.31	22.50
	50	LOW	Q16	21.12	21.09	20.99	21.50
		MID	Q16	21.08	21.14	21.08	21.50
		HIGH	Q16	21.05	21.15	21.00	21.50
	100	LOW	Q16	21.11	21.16	21.08	21.50
20	1	LOW	64QAM	21.47	21.38	21.46	21.50
		MID	64QAM	21.47	21.30	21.37	21.50
		HIGH	64QAM	21.38	21.45	21.35	21.50
	50	LOW	64QAM	20.17	20.22	20.21	20.50
		MID	64QAM	20.21	20.11	20.25	20.50
		HIGH	64QAM	20.25	20.14	20.19	20.50
	100	LOW	64QAM	20.16	20.11	20.19	20.50

LTE B2-State 15 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.80	22.98	22.83	23.50
		MID	QPSK	22.98	22.95	22.79	23.50
		HIGH	QPSK	22.60	22.91	22.74	23.50
	3	LOW	QPSK	22.65	22.89	22.60	23.50
		MID	QPSK	22.48	22.77	22.68	23.50
		HIGH	QPSK	22.60	22.96	22.74	23.50
	6	LOW	QPSK	22.03	22.18	22.18	22.50
1.4	1	LOW	Q16	22.49	22.39	22.12	22.50
		MID	Q16	22.24	22.37	22.39	22.50
		HIGH	Q16	22.17	22.43	22.40	22.50
	3	LOW	Q16	22.29	22.20	22.19	22.50
		MID	Q16	22.24	22.41	22.35	22.50
		HIGH	Q16	22.31	22.12	22.31	22.50
	6	LOW	Q16	21.13	21.18	20.87	21.50
1.4	1	LOW	64QAM	21.32	21.38	21.44	21.50
		MID	64QAM	21.43	21.17	21.26	21.50
		HIGH	64QAM	21.49	21.34	21.33	21.50
	3	LOW	64QAM	21.42	21.40	21.27	21.50
		MID	64QAM	21.26	21.15	21.16	21.50
		HIGH	64QAM	21.11	21.30	21.22	21.50
	6	LOW	64QAM	19.90	19.63	19.75	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.69	22.91	22.67	23.50
		MID	QPSK	22.96	22.99	22.82	23.50
		HIGH	QPSK	22.94	22.85	22.85	23.50
	8	LOW	QPSK	21.85	22.08	21.80	22.50
		MID	QPSK	22.04	21.98	22.05	22.50
		HIGH	QPSK	22.02	22.00	22.04	22.50
	15	LOW	QPSK	22.08	22.03	21.92	22.50
3	1	LOW	Q16	22.31	22.37	22.16	22.50
		MID	Q16	22.35	22.43	22.17	22.50
		HIGH	Q16	22.20	22.22	22.18	22.50
	8	LOW	Q16	20.95	20.98	20.95	21.50
		MID	Q16	20.95	20.99	20.91	21.50
		HIGH	Q16	20.84	21.11	20.79	21.50
	15	LOW	Q16	21.22	20.99	21.04	21.50
3	1	LOW	64QAM	21.49	21.19	21.48	21.50
		MID	64QAM	21.45	21.15	21.22	21.50
		HIGH	64QAM	21.34	21.34	21.29	21.50
	8	LOW	64QAM	19.83	19.80	19.69	20.00
		MID	64QAM	19.87	19.61	19.97	20.00
		HIGH	64QAM	19.77	19.70	19.81	20.00
	15	LOW	64QAM	19.82	19.65	19.81	20.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.62	22.87	22.96	23.50
		MID	QPSK	22.78	22.92	22.89	23.50
		HIGH	QPSK	22.62	22.87	22.76	23.50
	12	LOW	QPSK	22.14	21.95	22.02	22.50
		MID	QPSK	21.99	22.25	22.05	22.50
		HIGH	QPSK	21.84	21.91	21.84	22.50
	25	LOW	QPSK	21.90	22.05	21.87	22.50
5	1	LOW	Q16	22.36	22.39	22.41	22.50
		MID	Q16	22.24	22.43	22.21	22.50
		HIGH	Q16	22.40	22.47	22.35	22.50
	12	LOW	Q16	21.16	20.94	21.07	21.50
		MID	Q16	20.89	20.93	20.95	21.50
		HIGH	Q16	21.03	21.17	20.81	21.50
	25	LOW	Q16	20.98	21.12	21.19	21.50
5	1	LOW	64QAM	21.45	21.21	21.46	21.50
		MID	64QAM	21.32	21.41	21.16	21.50
		HIGH	64QAM	21.29	21.34	21.35	21.50
	12	LOW	64QAM	19.87	19.98	19.87	20.00
		MID	64QAM	19.81	19.79	19.81	20.00
		HIGH	64QAM	19.95	19.84	19.73	20.00
	25	LOW	64QAM	19.78	19.91	19.97	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.71	22.80	22.69	23.50
		MID	QPSK	22.82	22.74	22.89	23.50
		HIGH	QPSK	22.67	23.10	22.85	23.50
	25	LOW	QPSK	21.90	21.97	21.93	22.50
		MID	QPSK	21.86	21.94	21.98	22.50
		HIGH	QPSK	21.88	22.13	22.13	22.50
10	1	LOW	QPSK	21.88	22.00	22.03	22.50
		LOW	Q16	22.38	22.28	22.34	22.50
		MID	Q16	22.42	22.25	22.30	22.50
	25	HIGH	Q16	22.33	22.22	22.24	22.50
		LOW	Q16	21.18	20.96	20.97	21.50
		MID	Q16	21.08	21.03	21.10	21.50
10	1	HIGH	Q16	21.03	21.11	21.06	21.50
		LOW	Q16	21.00	21.16	20.97	21.50
		LOW	64QAM	21.32	21.23	21.35	21.50
	25	MID	64QAM	21.32	21.19	21.33	21.50
		HIGH	64QAM	21.34	21.32	21.35	21.50
		LOW	64QAM	19.67	20.00	19.85	20.00
10	25	MID	64QAM	19.85	19.85	19.95	20.00
		HIGH	64QAM	19.83	19.92	19.77	20.00
	50	LOW	64QAM	19.66	19.63	19.93	20.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.69	23.05	22.92	23.50
		MID	QPSK	22.98	22.90	22.75	23.50
		HIGH	QPSK	22.88	22.98	22.71	23.50
	36	LOW	QPSK	21.94	22.03	21.87	22.50
		MID	QPSK	22.17	22.09	21.87	22.50
		HIGH	QPSK	21.86	22.11	22.13	22.50
	75	LOW	QPSK	22.21	22.03	22.03	22.50
15	1	LOW	Q16	22.33	22.19	22.16	22.50
		MID	Q16	22.35	22.28	22.41	22.50
		HIGH	Q16	22.46	22.47	22.27	22.50
	36	LOW	Q16	20.93	21.17	21.03	21.50
		MID	Q16	20.89	21.06	21.00	21.50
		HIGH	Q16	20.82	21.07	20.87	21.50
	75	LOW	Q16	21.22	20.95	21.00	21.50
15	1	LOW	64QAM	21.36	21.17	21.27	21.50
		MID	64QAM	21.43	21.36	21.37	21.50
		HIGH	64QAM	21.17	21.49	21.39	21.50
	36	LOW	64QAM	19.83	19.74	19.97	20.00
		MID	64QAM	19.69	19.71	19.73	20.00
		HIGH	64QAM	19.79	19.94	19.95	20.00
	75	LOW	64QAM	19.80	19.67	19.99	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.85	23.05	22.85	23.50
		MID	QPSK	22.89	22.97	22.84	23.50
		HIGH	QPSK	22.83	23.03	22.85	23.50
	50	LOW	QPSK	22.03	22.10	22.02	22.50
		MID	QPSK	22.06	22.16	22.07	22.50
		HIGH	QPSK	22.06	22.13	22.06	22.50
	100	LOW	QPSK	22.10	22.16	22.07	22.50
20	1	LOW	Q16	22.49	22.41	22.32	22.50
		MID	Q16	22.44	22.41	22.30	22.50
		HIGH	Q16	22.42	22.47	22.31	22.50
	50	LOW	Q16	21.12	21.09	20.99	21.50
		MID	Q16	21.08	21.14	21.08	21.50
		HIGH	Q16	21.05	21.15	21.00	21.50
	100	LOW	Q16	21.11	21.16	21.08	21.50
20	1	LOW	64QAM	21.47	21.38	21.46	21.50
		MID	64QAM	21.47	21.30	21.37	21.50
		HIGH	64QAM	21.38	21.45	21.35	21.50
	50	LOW	64QAM	20.17	20.22	20.21	20.50
		MID	64QAM	20.21	20.11	20.25	20.50
		HIGH	64QAM	20.25	20.14	20.19	20.50
	100	LOW	64QAM	20.16	20.11	20.19	20.50

LTE B2-State 17 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.80	22.98	22.83	23.50
		MID	QPSK	22.98	22.95	22.79	23.50
		HIGH	QPSK	22.60	22.91	22.74	23.50
	3	LOW	QPSK	22.65	22.89	22.60	23.50
		MID	QPSK	22.48	22.77	22.68	23.50
		HIGH	QPSK	22.60	22.96	22.74	23.50
	6	LOW	QPSK	22.03	22.18	22.18	22.50
1.4	1	LOW	Q16	22.49	22.39	22.12	22.50
		MID	Q16	22.24	22.37	22.39	22.50
		HIGH	Q16	22.17	22.43	22.40	22.50
	3	LOW	Q16	22.29	22.20	22.19	22.50
		MID	Q16	22.24	22.41	22.35	22.50
		HIGH	Q16	22.31	22.12	22.31	22.50
	6	LOW	Q16	21.13	21.18	20.87	21.50
1.4	1	LOW	64QAM	21.32	21.38	21.44	21.50
		MID	64QAM	21.43	21.17	21.26	21.50
		HIGH	64QAM	21.49	21.34	21.33	21.50
	3	LOW	64QAM	21.42	21.40	21.27	21.50
		MID	64QAM	21.26	21.15	21.16	21.50
		HIGH	64QAM	21.11	21.30	21.22	21.50
	6	LOW	64QAM	19.90	19.63	19.75	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.69	22.91	22.67	23.50
		MID	QPSK	22.96	22.99	22.82	23.50
		HIGH	QPSK	22.94	22.85	22.85	23.50
	8	LOW	QPSK	21.85	22.08	21.80	22.50
		MID	QPSK	22.04	21.98	22.05	22.50
		HIGH	QPSK	22.02	22.00	22.04	22.50
	15	LOW	QPSK	22.08	22.03	21.92	22.50
3	1	LOW	Q16	22.31	22.37	22.16	22.50
		MID	Q16	22.35	22.43	22.17	22.50
		HIGH	Q16	22.20	22.22	22.18	22.50
	8	LOW	Q16	20.95	20.98	20.95	21.50
		MID	Q16	20.95	20.99	20.91	21.50
		HIGH	Q16	20.84	21.11	20.79	21.50
	15	LOW	Q16	21.22	20.99	21.04	21.50
3	1	LOW	64QAM	21.49	21.19	21.48	21.50
		MID	64QAM	21.45	21.15	21.22	21.50
		HIGH	64QAM	21.34	21.34	21.29	21.50
	8	LOW	64QAM	19.83	19.80	19.69	20.00
		MID	64QAM	19.87	19.61	19.97	20.00
		HIGH	64QAM	19.77	19.70	19.81	20.00
	15	LOW	64QAM	19.82	19.65	19.81	20.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.62	22.87	22.96	23.50
		MID	QPSK	22.78	22.92	22.89	23.50
		HIGH	QPSK	22.62	22.87	22.76	23.50
	12	LOW	QPSK	22.14	21.95	22.02	22.50
		MID	QPSK	21.99	22.25	22.05	22.50
		HIGH	QPSK	21.84	21.91	21.84	22.50
	25	LOW	QPSK	21.90	22.05	21.87	22.50
5	1	LOW	Q16	22.36	22.39	22.41	22.50
		MID	Q16	22.24	22.43	22.21	22.50
		HIGH	Q16	22.40	22.47	22.35	22.50
	12	LOW	Q16	21.16	20.94	21.07	21.50
		MID	Q16	20.89	20.93	20.95	21.50
		HIGH	Q16	21.03	21.17	20.81	21.50
	25	LOW	Q16	20.98	21.12	21.19	21.50
5	1	LOW	64QAM	21.45	21.21	21.46	21.50
		MID	64QAM	21.32	21.41	21.16	21.50
		HIGH	64QAM	21.29	21.34	21.35	21.50
	12	LOW	64QAM	19.87	19.98	19.87	20.00
		MID	64QAM	19.81	19.79	19.81	20.00
		HIGH	64QAM	19.95	19.84	19.73	20.00
	25	LOW	64QAM	19.78	19.91	19.97	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.71	22.80	22.69	23.50
		MID	QPSK	22.82	22.74	22.89	23.50
		HIGH	QPSK	22.67	23.10	22.85	23.50
	25	LOW	QPSK	21.90	21.97	21.93	22.50
		MID	QPSK	21.86	21.94	21.98	22.50
		HIGH	QPSK	21.88	22.13	22.13	22.50
	50	LOW	QPSK	21.88	22.00	22.03	22.50
10	1	LOW	Q16	22.38	22.28	22.34	22.50
		MID	Q16	22.42	22.25	22.30	22.50
		HIGH	Q16	22.33	22.22	22.24	22.50
	25	LOW	Q16	21.18	20.96	20.97	21.50
		MID	Q16	21.08	21.03	21.10	21.50
		HIGH	Q16	21.03	21.11	21.06	21.50
	50	LOW	Q16	21.00	21.16	20.97	21.50
10	1	LOW	64QAM	21.32	21.23	21.35	21.50
		MID	64QAM	21.32	21.19	21.33	21.50
		HIGH	64QAM	21.34	21.32	21.35	21.50
	25	LOW	64QAM	19.67	20.00	19.85	20.00
		MID	64QAM	19.85	19.85	19.95	20.00
		HIGH	64QAM	19.83	19.92	19.77	20.00
	50	LOW	64QAM	19.66	19.63	19.93	20.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.69	23.05	22.92	23.50
		MID	QPSK	22.98	22.90	22.75	23.50
		HIGH	QPSK	22.88	22.98	22.71	23.50
	36	LOW	QPSK	21.94	22.03	21.87	22.50
		MID	QPSK	22.17	22.09	21.87	22.50
		HIGH	QPSK	21.86	22.11	22.13	22.50
	75	LOW	QPSK	22.21	22.03	22.03	22.50
15	1	LOW	Q16	22.33	22.19	22.16	22.50
		MID	Q16	22.35	22.28	22.41	22.50
		HIGH	Q16	22.46	22.47	22.27	22.50
	36	LOW	Q16	20.93	21.17	21.03	21.50
		MID	Q16	20.89	21.06	21.00	21.50
		HIGH	Q16	20.82	21.07	20.87	21.50
	75	LOW	Q16	21.22	20.95	21.00	21.50
15	1	LOW	64QAM	21.36	21.17	21.27	21.50
		MID	64QAM	21.43	21.36	21.37	21.50
		HIGH	64QAM	21.17	21.49	21.39	21.50
	36	LOW	64QAM	19.83	19.74	19.97	20.00
		MID	64QAM	19.69	19.71	19.73	20.00
		HIGH	64QAM	19.79	19.94	19.95	20.00
	75	LOW	64QAM	19.80	19.67	19.99	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.85	23.05	22.85	23.50
		MID	QPSK	22.89	22.97	22.84	23.50
		HIGH	QPSK	22.83	23.03	22.85	23.50
	50	LOW	QPSK	22.03	22.10	22.02	22.50
		MID	QPSK	22.06	22.16	22.07	22.50
		HIGH	QPSK	22.06	22.13	22.06	22.50
	100	LOW	QPSK	22.10	22.16	22.07	22.50
20	1	LOW	Q16	22.49	22.41	22.32	22.50
		MID	Q16	22.44	22.41	22.30	22.50
		HIGH	Q16	22.42	22.47	22.31	22.50
	50	LOW	Q16	21.12	21.09	20.99	21.50
		MID	Q16	21.08	21.14	21.08	21.50
		HIGH	Q16	21.05	21.15	21.00	21.50
	100	LOW	Q16	21.11	21.16	21.08	21.50
20	1	LOW	64QAM	21.47	21.38	21.46	21.50
		MID	64QAM	21.47	21.30	21.37	21.50
		HIGH	64QAM	21.38	21.45	21.35	21.50
	50	LOW	64QAM	20.17	20.22	20.21	20.50
		MID	64QAM	20.21	20.11	20.25	20.50
		HIGH	64QAM	20.25	20.14	20.19	20.50
	100	LOW	64QAM	20.16	20.11	20.19	20.50

LTE B2-State 19 -Ant.3(NSA)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.80	22.98	22.83	23.50
		MID	QPSK	22.98	22.95	22.79	23.50
		HIGH	QPSK	22.60	22.91	22.74	23.50
	3	LOW	QPSK	22.65	22.89	22.60	23.50
		MID	QPSK	22.48	22.77	22.68	23.50
		HIGH	QPSK	22.60	22.96	22.74	23.50
	6	LOW	QPSK	22.03	22.18	22.18	22.50
1.4	1	LOW	Q16	22.49	22.39	22.12	22.50
		MID	Q16	22.24	22.37	22.39	22.50
		HIGH	Q16	22.17	22.43	22.40	22.50
	3	LOW	Q16	22.29	22.20	22.19	22.50
		MID	Q16	22.24	22.41	22.35	22.50
		HIGH	Q16	22.31	22.12	22.31	22.50
	6	LOW	Q16	21.13	21.18	20.87	21.50
1.4	1	LOW	64QAM	21.32	21.38	21.44	21.50
		MID	64QAM	21.43	21.17	21.26	21.50
		HIGH	64QAM	21.49	21.34	21.33	21.50
	3	LOW	64QAM	21.42	21.40	21.27	21.50
		MID	64QAM	21.26	21.15	21.16	21.50
		HIGH	64QAM	21.11	21.30	21.22	21.50
	6	LOW	64QAM	19.90	19.63	19.75	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
3	1	LOW	QPSK	22.69	22.91	22.67	23.50
		MID	QPSK	22.96	22.99	22.82	23.50
		HIGH	QPSK	22.94	22.85	22.85	23.50
	8	LOW	QPSK	21.85	22.08	21.80	22.50
		MID	QPSK	22.04	21.98	22.05	22.50
		HIGH	QPSK	22.02	22.00	22.04	22.50
	15	LOW	QPSK	22.08	22.03	21.92	22.50
3	1	LOW	Q16	22.31	22.37	22.16	22.50
		MID	Q16	22.35	22.43	22.17	22.50
		HIGH	Q16	22.20	22.22	22.18	22.50
	8	LOW	Q16	20.95	20.98	20.95	21.50
		MID	Q16	20.95	20.99	20.91	21.50
		HIGH	Q16	20.84	21.11	20.79	21.50
	15	LOW	Q16	21.22	20.99	21.04	21.50
3	1	LOW	64QAM	21.49	21.19	21.48	21.50
		MID	64QAM	21.45	21.15	21.22	21.50
		HIGH	64QAM	21.34	21.34	21.29	21.50
	8	LOW	64QAM	19.83	19.80	19.69	20.00
		MID	64QAM	19.87	19.61	19.97	20.00
		HIGH	64QAM	19.77	19.70	19.81	20.00
	15	LOW	64QAM	19.82	19.65	19.81	20.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5	1	LOW	QPSK	22.62	22.87	22.96	23.50
		MID	QPSK	22.78	22.92	22.89	23.50
		HIGH	QPSK	22.62	22.87	22.76	23.50
	12	LOW	QPSK	22.14	21.95	22.02	22.50
		MID	QPSK	21.99	22.25	22.05	22.50
		HIGH	QPSK	21.84	21.91	21.84	22.50
25	LOW	QPSK	21.90	22.05	21.87	22.50	
5	1	LOW	Q16	22.36	22.39	22.41	22.50
		MID	Q16	22.24	22.43	22.21	22.50
		HIGH	Q16	22.40	22.47	22.35	22.50
	12	LOW	Q16	21.16	20.94	21.07	21.50
		MID	Q16	20.89	20.93	20.95	21.50
		HIGH	Q16	21.03	21.17	20.81	21.50
25	LOW	Q16	20.98	21.12	21.19	21.50	
5	1	LOW	64QAM	21.45	21.21	21.46	21.50
		MID	64QAM	21.32	21.41	21.16	21.50
		HIGH	64QAM	21.29	21.34	21.35	21.50
	12	LOW	64QAM	19.87	19.98	19.87	20.00
		MID	64QAM	19.81	19.79	19.81	20.00
		HIGH	64QAM	19.95	19.84	19.73	20.00
25	LOW	64QAM	19.78	19.91	19.97	20.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
10	1	LOW	QPSK	22.71	22.80	22.69	23.50
		MID	QPSK	22.82	22.74	22.89	23.50
		HIGH	QPSK	22.67	23.10	22.85	23.50
	25	LOW	QPSK	21.90	21.97	21.93	22.50
		MID	QPSK	21.86	21.94	21.98	22.50
		HIGH	QPSK	21.88	22.13	22.13	22.50
50	LOW	QPSK	21.88	22.00	22.03	22.50	
10	1	LOW	Q16	22.38	22.28	22.34	22.50
		MID	Q16	22.42	22.25	22.30	22.50
		HIGH	Q16	22.33	22.22	22.24	22.50
	25	LOW	Q16	21.18	20.96	20.97	21.50
		MID	Q16	21.08	21.03	21.10	21.50
		HIGH	Q16	21.03	21.11	21.06	21.50
50	LOW	Q16	21.00	21.16	20.97	21.50	
10	1	LOW	64QAM	21.32	21.23	21.35	21.50
		MID	64QAM	21.32	21.19	21.33	21.50
		HIGH	64QAM	21.34	21.32	21.35	21.50
	25	LOW	64QAM	19.67	20.00	19.85	20.00
		MID	64QAM	19.85	19.85	19.95	20.00
		HIGH	64QAM	19.83	19.92	19.77	20.00
50	LOW	64QAM	19.66	19.63	19.93	20.00	

Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
15	1	LOW	QPSK	22.69	23.05	22.92	23.50
		MID	QPSK	22.98	22.90	22.75	23.50
		HIGH	QPSK	22.88	22.98	22.71	23.50
	36	LOW	QPSK	21.94	22.03	21.87	22.50
		MID	QPSK	22.17	22.09	21.87	22.50
		HIGH	QPSK	21.86	22.11	22.13	22.50
	75	LOW	QPSK	22.21	22.03	22.03	22.50
15	1	LOW	Q16	22.33	22.19	22.16	22.50
		MID	Q16	22.35	22.28	22.41	22.50
		HIGH	Q16	22.46	22.47	22.27	22.50
	36	LOW	Q16	20.93	21.17	21.03	21.50
		MID	Q16	20.89	21.06	21.00	21.50
		HIGH	Q16	20.82	21.07	20.87	21.50
	75	LOW	Q16	21.22	20.95	21.00	21.50
15	1	LOW	64QAM	21.36	21.17	21.27	21.50
		MID	64QAM	21.43	21.36	21.37	21.50
		HIGH	64QAM	21.17	21.49	21.39	21.50
	36	LOW	64QAM	19.83	19.74	19.97	20.00
		MID	64QAM	19.69	19.71	19.73	20.00
		HIGH	64QAM	19.79	19.94	19.95	20.00
	75	LOW	64QAM	19.80	19.67	19.99	20.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20	1	LOW	QPSK	22.85	23.05	22.85	23.50
		MID	QPSK	22.89	22.97	22.84	23.50
		HIGH	QPSK	22.83	23.03	22.85	23.50
	50	LOW	QPSK	22.03	22.10	22.02	22.50
		MID	QPSK	22.06	22.16	22.07	22.50
		HIGH	QPSK	22.06	22.13	22.06	22.50
	100	LOW	QPSK	22.10	22.16	22.07	22.50
20	1	LOW	Q16	22.49	22.41	22.32	22.50
		MID	Q16	22.44	22.41	22.30	22.50
		HIGH	Q16	22.42	22.47	22.31	22.50
	50	LOW	Q16	21.12	21.09	20.99	21.50
		MID	Q16	21.08	21.14	21.08	21.50
		HIGH	Q16	21.05	21.15	21.00	21.50
	100	LOW	Q16	21.11	21.16	21.08	21.50
20	1	LOW	64QAM	21.47	21.38	21.46	21.50
		MID	64QAM	21.47	21.30	21.37	21.50
		HIGH	64QAM	21.38	21.45	21.35	21.50
	50	LOW	64QAM	20.17	20.22	20.21	20.50
		MID	64QAM	20.21	20.11	20.25	20.50
		HIGH	64QAM	20.25	20.14	20.19	20.50
	100	LOW	64QAM	20.16	20.11	20.19	20.50

8.3.2 LTE Band4 Output Power

LTE B4-State 12 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.03	19.05	19.05	19.50
		MID	QPSK	18.97	18.96	19.05	19.50
		HIGH	QPSK	19.12	18.94	18.83	19.50
	3	LOW	QPSK	19.17	19.07	19.02	19.50
		MID	QPSK	19.07	19.16	19.04	19.50
		HIGH	QPSK	18.92	18.90	19.08	19.50
6	LOW	QPSK	19.23	18.98	18.96	19.50	
1.4	1	LOW	Q16	19.32	19.43	19.22	19.50
		MID	Q16	19.14	19.12	19.16	19.50
		HIGH	Q16	19.27	19.32	19.20	19.50
	3	LOW	Q16	19.00	19.03	18.96	19.50
		MID	Q16	19.14	19.26	19.13	19.50
		HIGH	Q16	19.02	19.17	18.87	19.50
6	LOW	Q16	19.26	19.13	18.99	19.50	
1.4	1	LOW	64QAM	19.48	19.21	18.90	19.50
		MID	64QAM	19.08	19.02	19.01	19.50
		HIGH	64QAM	19.03	19.22	19.06	19.50
	3	LOW	64QAM	18.77	18.91	19.05	19.50
		MID	64QAM	19.32	19.20	19.27	19.50
		HIGH	64QAM	18.95	18.99	18.82	19.50
6	LOW	64QAM	19.34	19.09	19.12	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	19.16	19.07	19.17	19.50
		MID	QPSK	18.88	19.05	19.05	19.50
		HIGH	QPSK	18.98	19.08	18.87	19.50
	8	LOW	QPSK	19.02	19.07	19.25	19.50
		MID	QPSK	19.17	18.97	19.04	19.50
		HIGH	QPSK	19.03	19.05	19.00	19.50
15	LOW	QPSK	18.98	19.05	18.96	19.50	
3	1	LOW	Q16	19.34	19.39	19.34	19.50
		MID	Q16	19.27	19.33	18.97	19.50
		HIGH	Q16	19.10	19.36	18.91	19.50
	8	LOW	Q16	19.09	19.20	19.07	19.50
		MID	Q16	19.26	19.01	19.21	19.50
		HIGH	Q16	18.91	19.00	19.14	19.50
15	LOW	Q16	19.01	19.15	18.97	19.50	
3	1	LOW	64QAM	19.32	19.21	19.17	19.50
		MID	64QAM	18.95	19.27	19.01	19.50
		HIGH	64QAM	19.03	19.09	18.97	19.50
	8	LOW	64QAM	18.77	18.95	18.94	19.50
		MID	64QAM	19.30	19.11	19.23	19.50
		HIGH	64QAM	18.78	19.17	18.91	19.50
15	LOW	64QAM	19.24	19.05	19.12	19.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	19.18	19.07	18.88	19.50
		MID	QPSK	19.09	18.98	19.00	19.50
		HIGH	QPSK	19.12	19.08	19.00	19.50
	12	LOW	QPSK	19.04	19.17	19.17	19.50
		MID	QPSK	19.23	19.03	19.09	19.50
		HIGH	QPSK	18.99	19.11	19.10	19.50
	25	LOW	QPSK	19.04	19.07	18.98	19.50
5	1	LOW	Q16	19.42	19.26	19.11	19.50
		MID	Q16	19.18	19.23	18.97	19.50
		HIGH	Q16	19.31	19.11	19.00	19.50
	12	LOW	Q16	19.02	19.18	19.02	19.50
		MID	Q16	19.32	19.24	19.04	19.50
		HIGH	Q16	18.97	18.96	19.14	19.50
	25	LOW	Q16	19.30	19.00	19.20	19.50
5	1	LOW	64QAM	19.36	19.37	18.90	19.50
		MID	64QAM	19.14	19.02	18.99	19.50
		HIGH	64QAM	19.16	19.16	19.06	19.50
	12	LOW	64QAM	18.96	19.01	19.13	19.50
		MID	64QAM	19.16	19.32	19.27	19.50
		HIGH	64QAM	18.74	19.11	19.03	19.50
	25	LOW	64QAM	19.26	19.01	19.12	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	19.28	19.07	18.92	19.50
		MID	QPSK	18.82	19.03	18.92	19.50
		HIGH	QPSK	19.14	18.89	18.72	19.50
	25	LOW	QPSK	19.15	19.09	19.31	19.50
		MID	QPSK	19.07	19.16	19.07	19.50
		HIGH	QPSK	18.98	19.15	18.95	19.50
	50	LOW	QPSK	19.11	19.09	19.19	19.50
10	1	LOW	Q16	19.25	19.47	19.05	19.50
		MID	Q16	19.14	19.35	19.12	19.50
		HIGH	Q16	19.08	19.24	19.18	19.50
	25	LOW	Q16	19.15	19.14	19.13	19.50
		MID	Q16	19.18	19.30	18.96	19.50
		HIGH	Q16	19.02	18.94	19.00	19.50
	50	LOW	Q16	19.32	19.15	18.95	19.50
10	1	LOW	64QAM	19.46	19.21	19.11	19.50
		MID	64QAM	19.24	19.31	18.87	19.50
		HIGH	64QAM	18.97	19.26	19.10	19.50
	25	LOW	64QAM	18.96	19.01	18.99	19.50
		MID	64QAM	19.20	19.36	19.04	19.50
		HIGH	64QAM	19.01	19.19	18.87	19.50
	50	LOW	64QAM	19.11	19.01	18.85	19.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.01	19.11	18.90	19.50
		MID	QPSK	18.97	18.92	18.79	19.50
		HIGH	QPSK	18.98	19.08	18.85	19.50
	36	LOW	QPSK	19.13	19.07	19.19	19.50
		MID	QPSK	19.25	18.97	19.19	19.50
		HIGH	QPSK	19.07	18.98	19.04	19.50
	75	LOW	QPSK	18.96	19.13	19.27	19.50
15	1	LOW	Q16	19.48	19.45	19.20	19.50
		MID	Q16	19.20	19.17	19.01	19.50
		HIGH	Q16	19.15	19.24	18.89	19.50
	36	LOW	Q16	19.07	19.12	19.00	19.50
		MID	Q16	19.05	19.08	19.09	19.50
		HIGH	Q16	19.12	19.17	18.91	19.50
	75	LOW	Q16	19.16	19.17	19.01	19.50
15	1	LOW	64QAM	19.34	19.18	19.07	19.50
		MID	64QAM	19.06	19.21	19.01	19.50
		HIGH	64QAM	19.08	19.32	19.12	19.50
	36	LOW	64QAM	18.85	18.91	18.90	19.50
		MID	64QAM	19.14	19.24	19.19	19.50
		HIGH	64QAM	18.86	19.13	18.76	19.50
	75	LOW	64QAM	19.32	18.92	19.04	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	19.09	19.15	19.18	19.50
		MID	QPSK	18.96	19.11	19.01	19.50
		HIGH	QPSK	18.91	19.02	19.04	19.50
	50	LOW	QPSK	19.21	19.17	19.22	19.50
		MID	QPSK	19.15	19.14	19.17	19.50
		HIGH	QPSK	19.10	19.09	19.09	19.50
	100	LOW	QPSK	19.17	19.11	19.17	19.50
20	1	LOW	Q16	19.24	19.45	19.44	19.50
		MID	Q16	19.12	19.31	19.35	19.50
		HIGH	Q16	19.10	19.28	19.29	19.50
	50	LOW	Q16	19.17	19.20	19.19	19.50
		MID	Q16	19.17	19.20	19.22	19.50
		HIGH	Q16	19.08	19.15	19.12	19.50
	100	LOW	Q16	19.12	19.15	19.22	19.50
20	1	LOW	64QAM	19.09	19.33	19.46	19.50
		MID	64QAM	18.95	19.23	19.14	19.50
		HIGH	64QAM	19.10	19.28	19.14	19.50
	50	LOW	64QAM	19.07	18.99	18.98	19.50
		MID	64QAM	19.17	19.30	19.22	19.50
		HIGH	64QAM	18.95	19.09	18.95	19.50
	100	LOW	64QAM	19.06	19.07	19.30	19.50

LTE B4-State 16 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	17.82	17.95	18.08	18.50
		MID	QPSK	17.99	17.98	18.18	18.50
		HIGH	QPSK	18.06	18.10	18.23	18.50
	3	LOW	QPSK	18.08	17.93	17.97	18.50
		MID	QPSK	18.18	17.98	18.22	18.50
		HIGH	QPSK	18.11	18.11	18.03	18.50
6	LOW	QPSK	18.17	18.12	18.05	18.50	
1.4	1	LOW	Q16	18.08	18.11	18.06	18.50
		MID	Q16	18.12	17.98	18.26	18.50
		HIGH	Q16	18.26	17.88	17.92	18.50
	3	LOW	Q16	18.02	18.16	18.02	18.50
		MID	Q16	17.96	17.96	18.07	18.50
		HIGH	Q16	17.94	17.97	18.04	18.50
6	LOW	Q16	18.04	18.03	18.19	18.50	
1.4	1	LOW	64QAM	18.26	18.19	18.06	18.50
		MID	64QAM	18.16	18.14	18.08	18.50
		HIGH	64QAM	18.02	17.95	18.00	18.50
	3	LOW	64QAM	17.89	18.03	18.21	18.50
		MID	64QAM	18.07	18.22	18.27	18.50
		HIGH	64QAM	18.10	18.11	18.19	18.50
6	LOW	64QAM	18.06	17.91	18.01	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	18.00	17.93	18.04	18.50
		MID	QPSK	17.75	18.02	18.04	18.50
		HIGH	QPSK	18.08	18.08	18.03	18.50
	8	LOW	QPSK	17.93	18.14	17.95	18.50
		MID	QPSK	18.00	17.93	18.16	18.50
		HIGH	QPSK	17.97	18.24	18.21	18.50
15	LOW	QPSK	17.95	18.09	18.11	18.50	
3	1	LOW	Q16	18.08	18.06	18.35	18.50
		MID	Q16	18.01	18.14	18.26	18.50
		HIGH	Q16	18.29	17.98	18.12	18.50
	8	LOW	Q16	18.02	18.02	18.20	18.50
		MID	Q16	18.17	17.92	18.27	18.50
		HIGH	Q16	17.92	18.13	18.16	18.50
15	LOW	Q16	18.18	18.02	18.03	18.50	
3	1	LOW	64QAM	18.22	18.03	18.15	18.50
		MID	64QAM	18.07	18.16	18.08	18.50
		HIGH	64QAM	18.24	17.93	17.97	18.50
	8	LOW	64QAM	17.83	18.19	18.24	18.50
		MID	64QAM	17.98	18.11	18.13	18.50
		HIGH	64QAM	18.10	18.06	18.20	18.50
15	LOW	64QAM	17.92	18.07	18.26	18.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	18.05	17.96	17.90	18.50
		MID	QPSK	17.97	17.80	18.11	18.50
		HIGH	QPSK	17.97	18.01	17.96	18.50
	12	LOW	QPSK	18.11	17.98	18.15	18.50
		MID	QPSK	17.95	17.93	18.29	18.50
		HIGH	QPSK	18.15	18.22	18.08	18.50
	25	LOW	QPSK	17.95	17.87	18.20	18.50
5	1	LOW	Q16	18.14	18.15	18.06	18.50
		MID	Q16	18.23	18.21	18.13	18.50
		HIGH	Q16	18.19	17.91	18.01	18.50
	12	LOW	Q16	17.84	18.13	18.20	18.50
		MID	Q16	18.15	18.08	18.17	18.50
		HIGH	Q16	17.85	18.19	18.05	18.50
	25	LOW	Q16	17.97	18.03	18.24	18.50
5	1	LOW	64QAM	18.31	18.19	18.17	18.50
		MID	64QAM	18.00	18.02	18.35	18.50
		HIGH	64QAM	18.17	17.95	17.93	18.50
	12	LOW	64QAM	17.87	18.08	18.21	18.50
		MID	64QAM	18.11	18.06	18.22	18.50
		HIGH	64QAM	17.92	18.07	18.13	18.50
	25	LOW	64QAM	17.99	18.13	18.12	18.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	17.78	17.82	18.03	18.50
		MID	QPSK	18.00	17.86	17.98	18.50
		HIGH	QPSK	17.92	17.96	17.98	18.50
	25	LOW	QPSK	18.04	18.16	18.06	18.50
		MID	QPSK	18.13	17.93	18.22	18.50
		HIGH	QPSK	17.91	18.15	18.01	18.50
	50	LOW	QPSK	18.03	17.87	18.20	18.50
10	1	LOW	Q16	18.12	18.15	18.21	18.50
		MID	Q16	18.04	17.96	18.32	18.50
		HIGH	Q16	18.17	18.11	17.87	18.50
	25	LOW	Q16	17.98	18.00	18.04	18.50
		MID	Q16	18.15	18.08	18.20	18.50
		HIGH	Q16	17.87	18.10	18.25	18.50
	50	LOW	Q16	18.09	18.16	18.04	18.50
10	1	LOW	64QAM	18.28	18.23	18.20	18.50
		MID	64QAM	18.16	18.11	18.33	18.50
		HIGH	64QAM	18.15	18.00	17.97	18.50
	25	LOW	64QAM	18.08	18.25	18.26	18.50
		MID	64QAM	18.02	18.07	18.27	18.50
		HIGH	64QAM	18.19	17.95	17.97	18.50
	50	LOW	64QAM	17.94	18.14	18.30	18.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	17.87	17.86	18.13	18.50
		MID	QPSK	17.82	18.00	17.95	18.50
		HIGH	QPSK	17.97	18.17	18.14	18.50
	36	LOW	QPSK	18.13	17.94	18.20	18.50
		MID	QPSK	18.15	17.96	18.02	18.50
		HIGH	QPSK	18.13	18.20	18.08	18.50
	75	LOW	QPSK	18.06	18.05	18.18	18.50
15	1	LOW	Q16	18.08	18.09	18.35	18.50
		MID	Q16	18.21	18.08	18.10	18.50
		HIGH	Q16	18.13	17.91	17.96	18.50
	36	LOW	Q16	17.94	17.91	18.20	18.50
		MID	Q16	18.05	18.12	18.02	18.50
		HIGH	Q16	17.87	18.13	18.00	18.50
	75	LOW	Q16	17.98	18.03	18.19	18.50
15	1	LOW	64QAM	18.10	18.10	18.26	18.50
		MID	64QAM	18.02	18.05	18.08	18.50
		HIGH	64QAM	18.18	17.93	17.95	18.50
	36	LOW	64QAM	18.08	18.30	18.17	18.50
		MID	64QAM	18.05	18.24	18.36	18.50
		HIGH	64QAM	18.17	17.97	18.17	18.50
	75	LOW	64QAM	18.05	17.95	18.10	18.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	17.96	18.00	18.08	18.50
		MID	QPSK	17.95	18.00	18.09	18.50
		HIGH	QPSK	17.99	18.10	18.14	18.50
	50	LOW	QPSK	18.04	18.07	18.11	18.50
		MID	QPSK	18.13	18.09	18.20	18.50
		HIGH	QPSK	18.11	18.15	18.19	18.50
	100	LOW	QPSK	18.08	18.07	18.16	18.50
20	1	LOW	Q16	18.21	18.22	18.26	18.50
		MID	Q16	18.19	18.12	18.28	18.50
		HIGH	Q16	18.24	18.02	18.03	18.50
	50	LOW	Q16	17.98	18.09	18.13	18.50
		MID	Q16	18.10	18.12	18.22	18.50
		HIGH	Q16	18.05	18.17	18.20	18.50
	100	LOW	Q16	18.11	18.07	18.19	18.50
20	1	LOW	64QAM	18.26	18.23	18.22	18.50
		MID	64QAM	18.09	18.09	18.28	18.50
		HIGH	64QAM	18.22	18.00	18.04	18.50
	50	LOW	64QAM	18.03	18.23	18.28	18.50
		MID	64QAM	18.18	18.22	18.31	18.50
		HIGH	64QAM	18.12	18.02	18.15	18.50
	100	LOW	64QAM	18.01	18.09	18.21	18.50

LTE B4-State 18 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	13.56	13.68	13.63	14.00
		MID	QPSK	13.58	13.48	13.80	14.00
		HIGH	QPSK	13.60	13.68	13.67	14.00
	3	LOW	QPSK	13.52	13.72	13.70	14.00
		MID	QPSK	13.65	13.59	13.66	14.00
		HIGH	QPSK	13.67	13.63	13.77	14.00
1.4	1	LOW	QPSK	13.70	13.66	13.68	14.00
	3	LOW	Q16	13.47	13.62	13.57	14.00
		MID	Q16	13.40	13.43	13.89	14.00
		HIGH	Q16	13.44	13.65	13.64	14.00
	3	LOW	Q16	13.62	13.52	13.71	14.00
		MID	Q16	13.81	13.63	13.64	14.00
1.4	1	LOW	Q16	13.64	13.65	13.72	14.00
		MID	Q16	13.68	13.63	13.60	14.00
		HIGH	Q16	13.68	13.37	13.74	14.00
	3	MID	64QAM	13.40	13.41	13.50	14.00
		HIGH	64QAM	13.60	13.75	13.78	14.00
		LOW	64QAM	13.70	13.64	13.71	14.00
1.4	1	MID	64QAM	13.50	13.59	13.70	14.00
		HIGH	64QAM	13.70	13.56	13.67	14.00
		LOW	64QAM	13.72	13.79	13.72	14.00
	3	LOW	64QAM	13.64	13.44	13.78	14.00
		MID	64QAM	13.40	13.52	13.60	14.00
		HIGH	64QAM	13.69	13.71	13.75	14.00
1.4	1	LOW	64QAM	13.51	13.46	13.78	14.00
		MID	64QAM	13.58	13.67	13.69	14.00
		HIGH	64QAM	13.59	13.63	13.64	14.00
	8	LOW	QPSK	13.52	13.68	13.73	14.00
		MID	QPSK	13.69	13.66	13.70	14.00
		HIGH	QPSK	13.79	13.78	13.86	14.00
3	1	LOW	QPSK	13.65	13.66	13.63	14.00
		MID	Q16	13.48	13.59	13.72	14.00
		HIGH	Q16	13.34	13.57	13.86	14.00
	8	LOW	Q16	13.47	13.80	13.75	14.00
		MID	Q16	13.68	13.47	13.52	14.00
		HIGH	Q16	13.68	13.53	13.68	14.00
3	1	LOW	Q16	13.64	13.61	13.74	14.00
		MID	Q16	13.64	13.61	13.74	14.00
		HIGH	Q16	13.72	13.63	13.64	14.00
	8	LOW	Q16	13.72	13.63	13.64	14.00
		MID	Q16	13.68	13.53	13.68	14.00
		HIGH	Q16	13.64	13.61	13.74	14.00
3	1	LOW	Q16	13.64	13.44	13.78	14.00
		MID	64QAM	13.40	13.52	13.60	14.00
		HIGH	64QAM	13.69	13.71	13.75	14.00
	8	LOW	64QAM	13.51	13.64	13.71	14.00
		MID	64QAM	13.57	13.72	13.70	14.00
		HIGH	64QAM	13.53	13.59	13.82	14.00
3	1	LOW	64QAM	13.83	13.75	13.55	14.00
		MID	64QAM	13.83	13.75	13.55	14.00
		HIGH	64QAM	13.83	13.75	13.55	14.00
	8	LOW	64QAM	13.83	13.75	13.55	14.00
		MID	64QAM	13.83	13.75	13.55	14.00
		HIGH	64QAM	13.83	13.75	13.55	14.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	13.53	13.54	13.75	14.00
		MID	QPSK	13.64	13.51	13.80	14.00
		HIGH	QPSK	13.65	13.61	13.82	14.00
	12	LOW	QPSK	13.56	13.70	13.63	14.00
		MID	QPSK	13.72	13.80	13.65	14.00
		HIGH	QPSK	13.75	13.76	13.83	14.00
	25	LOW	QPSK	13.58	13.62	13.71	14.00
5	1	LOW	Q16	13.55	13.55	13.60	14.00
		MID	Q16	13.48	13.40	13.75	14.00
		HIGH	Q16	13.66	13.72	13.76	14.00
	12	LOW	Q16	13.72	13.51	13.70	14.00
		MID	Q16	13.70	13.73	13.52	14.00
		HIGH	Q16	13.76	13.61	13.75	14.00
	25	LOW	Q16	13.73	13.45	13.65	14.00
5	1	LOW	64QAM	13.72	13.36	13.66	14.00
		MID	64QAM	13.45	13.50	13.64	14.00
		HIGH	64QAM	13.70	13.64	13.74	14.00
	12	LOW	64QAM	13.56	13.52	13.62	14.00
		MID	64QAM	13.71	13.62	13.55	14.00
		HIGH	64QAM	13.53	13.63	13.79	14.00
	25	LOW	64QAM	13.68	13.66	13.69	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	13.55	13.56	13.76	14.00
		MID	QPSK	13.64	13.58	13.83	14.00
		HIGH	QPSK	13.69	13.61	13.67	14.00
	25	LOW	QPSK	13.62	13.67	13.72	14.00
		MID	QPSK	13.61	13.62	13.80	14.00
		HIGH	QPSK	13.64	13.81	13.87	14.00
	50	LOW	QPSK	13.58	13.64	13.79	14.00
10	1	LOW	Q16	13.59	13.63	13.57	14.00
		MID	Q16	13.38	13.43	13.89	14.00
		HIGH	Q16	13.51	13.70	13.65	14.00
	25	LOW	Q16	13.65	13.50	13.66	14.00
		MID	Q16	13.71	13.56	13.67	14.00
		HIGH	Q16	13.78	13.65	13.83	14.00
	50	LOW	Q16	13.54	13.65	13.56	14.00
10	1	LOW	64QAM	13.68	13.53	13.66	14.00
		MID	64QAM	13.34	13.38	13.47	14.00
		HIGH	64QAM	13.51	13.74	13.71	14.00
	25	LOW	64QAM	13.52	13.43	13.70	14.00
		MID	64QAM	13.56	13.68	13.71	14.00
		HIGH	64QAM	13.67	13.69	13.69	14.00
	50	LOW	64QAM	13.73	13.64	13.72	14.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	13.53	13.65	13.61	14.00
		MID	QPSK	13.54	13.52	13.65	14.00
		HIGH	QPSK	13.71	13.80	13.67	14.00
	36	LOW	QPSK	13.53	13.56	13.70	14.00
		MID	QPSK	13.69	13.62	13.76	14.00
		HIGH	QPSK	13.76	13.78	13.79	14.00
	75	LOW	QPSK	13.68	13.71	13.63	14.00
15	1	LOW	Q16	13.51	13.53	13.64	14.00
		MID	Q16	13.49	13.38	13.71	14.00
		HIGH	Q16	13.54	13.61	13.61	14.00
	36	LOW	Q16	13.71	13.51	13.73	14.00
		MID	Q16	13.76	13.68	13.56	14.00
		HIGH	Q16	13.75	13.51	13.70	14.00
	75	LOW	Q16	13.74	13.55	13.59	14.00
15	1	LOW	64QAM	13.57	13.50	13.63	14.00
		MID	64QAM	13.38	13.39	13.54	14.00
		HIGH	64QAM	13.64	13.70	13.70	14.00
	36	LOW	64QAM	13.62	13.62	13.67	14.00
		MID	64QAM	13.67	13.76	13.68	14.00
		HIGH	64QAM	13.66	13.77	13.85	14.00
	75	LOW	64QAM	13.66	13.66	13.65	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	13.63	13.61	13.75	14.00
		MID	QPSK	13.57	13.63	13.76	14.00
		HIGH	QPSK	13.64	13.73	13.79	14.00
	50	LOW	QPSK	13.67	13.67	13.73	14.00
		MID	QPSK	13.76	13.73	13.77	14.00
		HIGH	QPSK	13.75	13.77	13.83	14.00
	100	LOW	QPSK	13.73	13.67	13.75	14.00
20	1	LOW	Q16	13.52	13.58	13.67	14.00
		MID	Q16	13.49	13.52	13.83	14.00
		HIGH	Q16	13.59	13.76	13.76	14.00
	50	LOW	Q16	13.72	13.62	13.66	14.00
		MID	Q16	13.75	13.68	13.67	14.00
		HIGH	Q16	13.79	13.66	13.82	14.00
	100	LOW	Q16	13.69	13.60	13.64	14.00
20	1	LOW	64QAM	13.68	13.49	13.78	14.00
		MID	64QAM	13.49	13.53	13.61	14.00
		HIGH	64QAM	13.65	13.74	13.82	14.00
	50	LOW	64QAM	13.66	13.57	13.77	14.00
		MID	64QAM	13.64	13.69	13.67	14.00
		HIGH	64QAM	13.63	13.70	13.79	14.00
	100	LOW	64QAM	13.76	13.74	13.65	14.00

LTE B4-State 20 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	13.56	13.68	13.63	14.00
		MID	QPSK	13.58	13.48	13.80	14.00
		HIGH	QPSK	13.60	13.68	13.67	14.00
	3	LOW	QPSK	13.52	13.72	13.70	14.00
		MID	QPSK	13.65	13.59	13.66	14.00
		HIGH	QPSK	13.67	13.63	13.77	14.00
1.4	1	LOW	QPSK	13.70	13.66	13.68	14.00
	3	LOW	Q16	13.47	13.62	13.57	14.00
		MID	Q16	13.40	13.43	13.89	14.00
		HIGH	Q16	13.44	13.65	13.64	14.00
	3	LOW	Q16	13.62	13.52	13.71	14.00
		MID	Q16	13.81	13.63	13.64	14.00
1.4	1	LOW	Q16	13.64	13.65	13.72	14.00
		MID	Q16	13.68	13.63	13.60	14.00
		HIGH	Q16	13.68	13.37	13.74	14.00
	3	LOW	64QAM	13.40	13.41	13.50	14.00
		MID	64QAM	13.60	13.75	13.78	14.00
		HIGH	64QAM	13.70	13.64	13.71	14.00
1.4	1	LOW	64QAM	13.50	13.59	13.70	14.00
		MID	64QAM	13.70	13.56	13.67	14.00
		HIGH	64QAM	13.72	13.79	13.72	14.00
	3	LOW	64QAM	13.51	13.46	13.78	14.00
		MID	64QAM	13.58	13.67	13.69	14.00
		HIGH	64QAM	13.59	13.63	13.64	14.00
3	1	LOW	QPSK	13.52	13.68	13.73	14.00
		MID	QPSK	13.69	13.66	13.70	14.00
		HIGH	QPSK	13.79	13.78	13.86	14.00
	8	LOW	QPSK	13.65	13.66	13.63	14.00
		MID	QPSK	13.48	13.59	13.72	14.00
		HIGH	QPSK	13.34	13.57	13.86	14.00
3	1	LOW	Q16	13.47	13.80	13.75	14.00
		MID	Q16	13.68	13.47	13.52	14.00
		HIGH	Q16	13.68	13.53	13.68	14.00
	8	LOW	Q16	13.64	13.61	13.74	14.00
		MID	Q16	13.72	13.63	13.64	14.00
		HIGH	Q16	13.64	13.44	13.78	14.00
3	1	LOW	64QAM	13.40	13.52	13.60	14.00
		MID	64QAM	13.69	13.71	13.75	14.00
		HIGH	64QAM	13.51	13.64	13.71	14.00
	8	LOW	64QAM	13.57	13.72	13.70	14.00
		MID	64QAM	13.53	13.59	13.82	14.00
		HIGH	64QAM	13.83	13.75	13.55	14.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	13.53	13.54	13.75	14.00
		MID	QPSK	13.64	13.51	13.80	14.00
		HIGH	QPSK	13.65	13.61	13.82	14.00
	12	LOW	QPSK	13.56	13.70	13.63	14.00
		MID	QPSK	13.72	13.80	13.65	14.00
		HIGH	QPSK	13.75	13.76	13.83	14.00
	25	LOW	QPSK	13.58	13.62	13.71	14.00
5	1	LOW	Q16	13.55	13.55	13.60	14.00
		MID	Q16	13.48	13.40	13.75	14.00
		HIGH	Q16	13.66	13.72	13.76	14.00
	12	LOW	Q16	13.72	13.51	13.70	14.00
		MID	Q16	13.70	13.73	13.52	14.00
		HIGH	Q16	13.76	13.61	13.75	14.00
	25	LOW	Q16	13.73	13.45	13.65	14.00
5	1	LOW	64QAM	13.72	13.36	13.66	14.00
		MID	64QAM	13.45	13.50	13.64	14.00
		HIGH	64QAM	13.70	13.64	13.74	14.00
	12	LOW	64QAM	13.56	13.52	13.62	14.00
		MID	64QAM	13.71	13.62	13.55	14.00
		HIGH	64QAM	13.53	13.63	13.79	14.00
	25	LOW	64QAM	13.68	13.66	13.69	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	13.55	13.56	13.76	14.00
		MID	QPSK	13.64	13.58	13.83	14.00
		HIGH	QPSK	13.69	13.61	13.67	14.00
	25	LOW	QPSK	13.62	13.67	13.72	14.00
		MID	QPSK	13.61	13.62	13.80	14.00
		HIGH	QPSK	13.64	13.81	13.87	14.00
	50	LOW	QPSK	13.58	13.64	13.79	14.00
10	1	LOW	Q16	13.59	13.63	13.57	14.00
		MID	Q16	13.38	13.43	13.89	14.00
		HIGH	Q16	13.51	13.70	13.65	14.00
	25	LOW	Q16	13.65	13.50	13.66	14.00
		MID	Q16	13.71	13.56	13.67	14.00
		HIGH	Q16	13.78	13.65	13.83	14.00
	50	LOW	Q16	13.54	13.65	13.56	14.00
10	1	LOW	64QAM	13.68	13.53	13.66	14.00
		MID	64QAM	13.34	13.38	13.47	14.00
		HIGH	64QAM	13.51	13.74	13.71	14.00
	25	LOW	64QAM	13.52	13.43	13.70	14.00
		MID	64QAM	13.56	13.68	13.71	14.00
		HIGH	64QAM	13.67	13.69	13.69	14.00
	50	LOW	64QAM	13.73	13.64	13.72	14.00

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	13.53	13.65	13.61	14.00
		MID	QPSK	13.54	13.52	13.65	14.00
		HIGH	QPSK	13.71	13.80	13.67	14.00
	36	LOW	QPSK	13.53	13.56	13.70	14.00
		MID	QPSK	13.69	13.62	13.76	14.00
		HIGH	QPSK	13.76	13.78	13.79	14.00
	75	LOW	QPSK	13.68	13.71	13.63	14.00
15	1	LOW	Q16	13.51	13.53	13.64	14.00
		MID	Q16	13.49	13.38	13.71	14.00
		HIGH	Q16	13.54	13.61	13.61	14.00
	36	LOW	Q16	13.71	13.51	13.73	14.00
		MID	Q16	13.76	13.68	13.56	14.00
		HIGH	Q16	13.75	13.51	13.70	14.00
	75	LOW	Q16	13.74	13.55	13.59	14.00
15	1	LOW	64QAM	13.57	13.50	13.63	14.00
		MID	64QAM	13.38	13.39	13.54	14.00
		HIGH	64QAM	13.64	13.70	13.70	14.00
	36	LOW	64QAM	13.62	13.62	13.67	14.00
		MID	64QAM	13.67	13.76	13.68	14.00
		HIGH	64QAM	13.66	13.77	13.85	14.00
	75	LOW	64QAM	13.66	13.66	13.65	14.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	13.63	13.61	13.75	14.00
		MID	QPSK	13.57	13.63	13.76	14.00
		HIGH	QPSK	13.64	13.73	13.79	14.00
	50	LOW	QPSK	13.67	13.67	13.73	14.00
		MID	QPSK	13.76	13.73	13.77	14.00
		HIGH	QPSK	13.75	13.77	13.83	14.00
	100	LOW	QPSK	13.73	13.67	13.75	14.00
20	1	LOW	Q16	13.52	13.58	13.67	14.00
		MID	Q16	13.49	13.52	13.83	14.00
		HIGH	Q16	13.59	13.76	13.76	14.00
	50	LOW	Q16	13.72	13.62	13.66	14.00
		MID	Q16	13.75	13.68	13.67	14.00
		HIGH	Q16	13.79	13.66	13.82	14.00
	100	LOW	Q16	13.69	13.60	13.64	14.00
20	1	LOW	64QAM	13.68	13.49	13.78	14.00
		MID	64QAM	13.49	13.53	13.61	14.00
		HIGH	64QAM	13.65	13.74	13.82	14.00
	50	LOW	64QAM	13.66	13.57	13.77	14.00
		MID	64QAM	13.64	13.69	13.67	14.00
		HIGH	64QAM	13.63	13.70	13.79	14.00
	100	LOW	64QAM	13.76	13.74	13.65	14.00

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Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.03	19.05	19.05	19.50
		MID	QPSK	18.97	18.96	19.05	19.50
		HIGH	QPSK	19.12	18.94	18.83	19.50
	3	LOW	QPSK	19.17	19.07	19.02	19.50
		MID	QPSK	19.07	19.16	19.04	19.50
		HIGH	QPSK	18.92	18.90	19.08	19.50
6	LOW	QPSK	19.23	18.98	18.96	19.50	
1.4	1	LOW	Q16	19.32	19.43	19.22	19.50
		MID	Q16	19.14	19.12	19.16	19.50
		HIGH	Q16	19.27	19.32	19.20	19.50
	3	LOW	Q16	19.00	19.03	18.96	19.50
		MID	Q16	19.14	19.26	19.13	19.50
		HIGH	Q16	19.02	19.17	18.87	19.50
6	LOW	Q16	19.26	19.13	18.99	19.50	
1.4	1	LOW	64QAM	19.48	19.21	18.90	19.50
		MID	64QAM	19.08	19.02	19.01	19.50
		HIGH	64QAM	19.03	19.22	19.06	19.50
	3	LOW	64QAM	18.77	18.91	19.05	19.50
		MID	64QAM	19.32	19.20	19.27	19.50
		HIGH	64QAM	18.95	18.99	18.82	19.50
6	LOW	64QAM	19.34	19.09	19.12	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	19.16	19.07	19.17	19.50
		MID	QPSK	18.88	19.05	19.05	19.50
		HIGH	QPSK	18.98	19.08	18.87	19.50
	8	LOW	QPSK	19.02	19.07	19.25	19.50
		MID	QPSK	19.17	18.97	19.04	19.50
		HIGH	QPSK	19.03	19.05	19.00	19.50
15	LOW	QPSK	18.98	19.05	18.96	19.50	
3	1	LOW	Q16	19.34	19.39	19.34	19.50
		MID	Q16	19.27	19.33	18.97	19.50
		HIGH	Q16	19.10	19.36	18.91	19.50
	8	LOW	Q16	19.09	19.20	19.07	19.50
		MID	Q16	19.26	19.01	19.21	19.50
		HIGH	Q16	18.91	19.00	19.14	19.50
15	LOW	Q16	19.01	19.15	18.97	19.50	
3	1	LOW	64QAM	19.32	19.21	19.17	19.50
		MID	64QAM	18.95	19.27	19.01	19.50
		HIGH	64QAM	19.03	19.09	18.97	19.50
	8	LOW	64QAM	18.77	18.95	18.94	19.50
		MID	64QAM	19.30	19.11	19.23	19.50
		HIGH	64QAM	18.78	19.17	18.91	19.50
15	LOW	64QAM	19.24	19.05	19.12	19.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	19.18	19.07	18.88	19.50
		MID	QPSK	19.09	18.98	19.00	19.50
		HIGH	QPSK	19.12	19.08	19.00	19.50
	12	LOW	QPSK	19.04	19.17	19.17	19.50
		MID	QPSK	19.23	19.03	19.09	19.50
		HIGH	QPSK	18.99	19.11	19.10	19.50
	25	LOW	QPSK	19.04	19.07	18.98	19.50
5	1	LOW	Q16	19.42	19.26	19.11	19.50
		MID	Q16	19.18	19.23	18.97	19.50
		HIGH	Q16	19.31	19.11	19.00	19.50
	12	LOW	Q16	19.02	19.18	19.02	19.50
		MID	Q16	19.32	19.24	19.04	19.50
		HIGH	Q16	18.97	18.96	19.14	19.50
	25	LOW	Q16	19.30	19.00	19.20	19.50
5	1	LOW	64QAM	19.36	19.37	18.90	19.50
		MID	64QAM	19.14	19.02	18.99	19.50
		HIGH	64QAM	19.16	19.16	19.06	19.50
	12	LOW	64QAM	18.96	19.01	19.13	19.50
		MID	64QAM	19.16	19.32	19.27	19.50
		HIGH	64QAM	18.74	19.11	19.03	19.50
	25	LOW	64QAM	19.26	19.01	19.12	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	19.28	19.07	18.92	19.50
		MID	QPSK	18.82	19.03	18.92	19.50
		HIGH	QPSK	19.14	18.89	18.72	19.50
	25	LOW	QPSK	19.15	19.09	19.31	19.50
		MID	QPSK	19.07	19.16	19.07	19.50
		HIGH	QPSK	18.98	19.15	18.95	19.50
	50	LOW	QPSK	19.11	19.09	19.19	19.50
10	1	LOW	Q16	19.25	19.47	19.05	19.50
		MID	Q16	19.14	19.35	19.12	19.50
		HIGH	Q16	19.08	19.24	19.18	19.50
	25	LOW	Q16	19.15	19.14	19.13	19.50
		MID	Q16	19.18	19.30	18.96	19.50
		HIGH	Q16	19.02	18.94	19.00	19.50
	50	LOW	Q16	19.32	19.15	18.95	19.50
10	1	LOW	64QAM	19.46	19.21	19.11	19.50
		MID	64QAM	19.24	19.31	18.87	19.50
		HIGH	64QAM	18.97	19.26	19.10	19.50
	25	LOW	64QAM	18.96	19.01	18.99	19.50
		MID	64QAM	19.20	19.36	19.04	19.50
		HIGH	64QAM	19.01	19.19	18.87	19.50
	50	LOW	64QAM	19.11	19.01	18.85	19.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.01	19.11	18.90	19.50
		MID	QPSK	18.97	18.92	18.79	19.50
		HIGH	QPSK	18.98	19.08	18.85	19.50
	36	LOW	QPSK	19.13	19.07	19.19	19.50
		MID	QPSK	19.25	18.97	19.19	19.50
		HIGH	QPSK	19.07	18.98	19.04	19.50
	75	LOW	QPSK	18.96	19.13	19.27	19.50
15	1	LOW	Q16	19.48	19.45	19.20	19.50
		MID	Q16	19.20	19.17	19.01	19.50
		HIGH	Q16	19.15	19.24	18.89	19.50
	36	LOW	Q16	19.07	19.12	19.00	19.50
		MID	Q16	19.05	19.08	19.09	19.50
		HIGH	Q16	19.12	19.17	18.91	19.50
	75	LOW	Q16	19.16	19.17	19.01	19.50
15	1	LOW	64QAM	19.34	19.18	19.07	19.50
		MID	64QAM	19.06	19.21	19.01	19.50
		HIGH	64QAM	19.08	19.32	19.12	19.50
	36	LOW	64QAM	18.85	18.91	18.90	19.50
		MID	64QAM	19.14	19.24	19.19	19.50
		HIGH	64QAM	18.86	19.13	18.76	19.50
	75	LOW	64QAM	19.32	18.92	19.04	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	19.09	19.15	19.18	19.50
		MID	QPSK	18.96	19.11	19.01	19.50
		HIGH	QPSK	18.91	19.02	19.04	19.50
	50	LOW	QPSK	19.21	19.17	19.22	19.50
		MID	QPSK	19.15	19.14	19.17	19.50
		HIGH	QPSK	19.10	19.09	19.09	19.50
	100	LOW	QPSK	19.17	19.11	19.17	19.50
20	1	LOW	Q16	19.24	19.45	19.44	19.50
		MID	Q16	19.12	19.31	19.35	19.50
		HIGH	Q16	19.10	19.28	19.29	19.50
	50	LOW	Q16	19.17	19.20	19.19	19.50
		MID	Q16	19.17	19.20	19.22	19.50
		HIGH	Q16	19.08	19.15	19.12	19.50
	100	LOW	Q16	19.12	19.15	19.22	19.50
20	1	LOW	64QAM	19.09	19.33	19.46	19.50
		MID	64QAM	18.95	19.23	19.14	19.50
		HIGH	64QAM	19.10	19.28	19.14	19.50
	50	LOW	64QAM	19.07	18.99	18.98	19.50
		MID	64QAM	19.17	19.30	19.22	19.50
		HIGH	64QAM	18.95	19.09	18.95	19.50
	100	LOW	64QAM	19.06	19.07	19.30	19.50

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Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.03	19.05	19.05	19.50
		MID	QPSK	18.97	18.96	19.05	19.50
		HIGH	QPSK	19.12	18.94	18.83	19.50
	3	LOW	QPSK	19.17	19.07	19.02	19.50
		MID	QPSK	19.07	19.16	19.04	19.50
		HIGH	QPSK	18.92	18.90	19.08	19.50
6	LOW	QPSK	19.23	18.98	18.96	19.50	
1.4	1	LOW	Q16	19.32	19.43	19.22	19.50
		MID	Q16	19.14	19.12	19.16	19.50
		HIGH	Q16	19.27	19.32	19.20	19.50
	3	LOW	Q16	19.00	19.03	18.96	19.50
		MID	Q16	19.14	19.26	19.13	19.50
		HIGH	Q16	19.02	19.17	18.87	19.50
6	LOW	Q16	19.26	19.13	18.99	19.50	
1.4	1	LOW	64QAM	19.48	19.21	18.90	19.50
		MID	64QAM	19.08	19.02	19.01	19.50
		HIGH	64QAM	19.03	19.22	19.06	19.50
	3	LOW	64QAM	18.77	18.91	19.05	19.50
		MID	64QAM	19.32	19.20	19.27	19.50
		HIGH	64QAM	18.95	18.99	18.82	19.50
6	LOW	64QAM	19.34	19.09	19.12	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	19.16	19.07	19.17	19.50
		MID	QPSK	18.88	19.05	19.05	19.50
		HIGH	QPSK	18.98	19.08	18.87	19.50
	8	LOW	QPSK	19.02	19.07	19.25	19.50
		MID	QPSK	19.17	18.97	19.04	19.50
		HIGH	QPSK	19.03	19.05	19.00	19.50
15	LOW	QPSK	18.98	19.05	18.96	19.50	
3	1	LOW	Q16	19.34	19.39	19.34	19.50
		MID	Q16	19.27	19.33	18.97	19.50
		HIGH	Q16	19.10	19.36	18.91	19.50
	8	LOW	Q16	19.09	19.20	19.07	19.50
		MID	Q16	19.26	19.01	19.21	19.50
		HIGH	Q16	18.91	19.00	19.14	19.50
15	LOW	Q16	19.01	19.15	18.97	19.50	
3	1	LOW	64QAM	19.32	19.21	19.17	19.50
		MID	64QAM	18.95	19.27	19.01	19.50
		HIGH	64QAM	19.03	19.09	18.97	19.50
	8	LOW	64QAM	18.77	18.95	18.94	19.50
		MID	64QAM	19.30	19.11	19.23	19.50
		HIGH	64QAM	18.78	19.17	18.91	19.50
15	LOW	64QAM	19.24	19.05	19.12	19.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	19.18	19.07	18.88	19.50
		MID	QPSK	19.09	18.98	19.00	19.50
		HIGH	QPSK	19.12	19.08	19.00	19.50
	12	LOW	QPSK	19.04	19.17	19.17	19.50
		MID	QPSK	19.23	19.03	19.09	19.50
		HIGH	QPSK	18.99	19.11	19.10	19.50
	25	LOW	QPSK	19.04	19.07	18.98	19.50
5	1	LOW	Q16	19.42	19.26	19.11	19.50
		MID	Q16	19.18	19.23	18.97	19.50
		HIGH	Q16	19.31	19.11	19.00	19.50
	12	LOW	Q16	19.02	19.18	19.02	19.50
		MID	Q16	19.32	19.24	19.04	19.50
		HIGH	Q16	18.97	18.96	19.14	19.50
	25	LOW	Q16	19.30	19.00	19.20	19.50
5	1	LOW	64QAM	19.36	19.37	18.90	19.50
		MID	64QAM	19.14	19.02	18.99	19.50
		HIGH	64QAM	19.16	19.16	19.06	19.50
	12	LOW	64QAM	18.96	19.01	19.13	19.50
		MID	64QAM	19.16	19.32	19.27	19.50
		HIGH	64QAM	18.74	19.11	19.03	19.50
	25	LOW	64QAM	19.26	19.01	19.12	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	19.28	19.07	18.92	19.50
		MID	QPSK	18.82	19.03	18.92	19.50
		HIGH	QPSK	19.14	18.89	18.72	19.50
	25	LOW	QPSK	19.15	19.09	19.31	19.50
		MID	QPSK	19.07	19.16	19.07	19.50
		HIGH	QPSK	18.98	19.15	18.95	19.50
	50	LOW	QPSK	19.11	19.09	19.19	19.50
10	1	LOW	Q16	19.25	19.47	19.05	19.50
		MID	Q16	19.14	19.35	19.12	19.50
		HIGH	Q16	19.08	19.24	19.18	19.50
	25	LOW	Q16	19.15	19.14	19.13	19.50
		MID	Q16	19.18	19.30	18.96	19.50
		HIGH	Q16	19.02	18.94	19.00	19.50
	50	LOW	Q16	19.32	19.15	18.95	19.50
10	1	LOW	64QAM	19.46	19.21	19.11	19.50
		MID	64QAM	19.24	19.31	18.87	19.50
		HIGH	64QAM	18.97	19.26	19.10	19.50
	25	LOW	64QAM	18.96	19.01	18.99	19.50
		MID	64QAM	19.20	19.36	19.04	19.50
		HIGH	64QAM	19.01	19.19	18.87	19.50
	50	LOW	64QAM	19.11	19.01	18.85	19.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.01	19.11	18.90	19.50
		MID	QPSK	18.97	18.92	18.79	19.50
		HIGH	QPSK	18.98	19.08	18.85	19.50
	36	LOW	QPSK	19.13	19.07	19.19	19.50
		MID	QPSK	19.25	18.97	19.19	19.50
		HIGH	QPSK	19.07	18.98	19.04	19.50
	75	LOW	QPSK	18.96	19.13	19.27	19.50
15	1	LOW	Q16	19.48	19.45	19.20	19.50
		MID	Q16	19.20	19.17	19.01	19.50
		HIGH	Q16	19.15	19.24	18.89	19.50
	36	LOW	Q16	19.07	19.12	19.00	19.50
		MID	Q16	19.05	19.08	19.09	19.50
		HIGH	Q16	19.12	19.17	18.91	19.50
	75	LOW	Q16	19.16	19.17	19.01	19.50
15	1	LOW	64QAM	19.34	19.18	19.07	19.50
		MID	64QAM	19.06	19.21	19.01	19.50
		HIGH	64QAM	19.08	19.32	19.12	19.50
	36	LOW	64QAM	18.85	18.91	18.90	19.50
		MID	64QAM	19.14	19.24	19.19	19.50
		HIGH	64QAM	18.86	19.13	18.76	19.50
	75	LOW	64QAM	19.32	18.92	19.04	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	19.09	19.15	19.18	19.50
		MID	QPSK	18.96	19.11	19.01	19.50
		HIGH	QPSK	18.91	19.02	19.04	19.50
	50	LOW	QPSK	19.21	19.17	19.22	19.50
		MID	QPSK	19.15	19.14	19.17	19.50
		HIGH	QPSK	19.10	19.09	19.09	19.50
	100	LOW	QPSK	19.17	19.11	19.17	19.50
20	1	LOW	Q16	19.24	19.45	19.44	19.50
		MID	Q16	19.12	19.31	19.35	19.50
		HIGH	Q16	19.10	19.28	19.29	19.50
	50	LOW	Q16	19.17	19.20	19.19	19.50
		MID	Q16	19.17	19.20	19.22	19.50
		HIGH	Q16	19.08	19.15	19.12	19.50
	100	LOW	Q16	19.12	19.15	19.22	19.50
20	1	LOW	64QAM	19.09	19.33	19.46	19.50
		MID	64QAM	18.95	19.23	19.14	19.50
		HIGH	64QAM	19.10	19.28	19.14	19.50
	50	LOW	64QAM	19.07	18.99	18.98	19.50
		MID	64QAM	19.17	19.30	19.22	19.50
		HIGH	64QAM	18.95	19.09	18.95	19.50
	100	LOW	64QAM	19.06	19.07	19.30	19.50

LTE B4-State 17 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	17.94	18.05	17.92	18.50
		MID	QPSK	17.77	17.95	18.18	18.50
		HIGH	QPSK	17.99	18.08	18.18	18.50
	3	LOW	QPSK	18.13	18.03	17.97	18.50
		MID	QPSK	18.15	18.04	18.04	18.50
		HIGH	QPSK	17.97	18.06	18.19	18.50
1.4	1	LOW	QPSK	17.90	17.93	18.01	18.50
	3	LOW	Q16	18.06	18.31	18.06	18.50
		MID	Q16	18.08	18.01	18.28	18.50
		HIGH	Q16	18.20	17.88	17.94	18.50
	3	LOW	Q16	18.00	18.09	18.20	18.50
		MID	Q16	18.05	17.98	18.09	18.50
1.4	1	HIGH	Q16	17.89	18.06	18.22	18.50
	3	LOW	Q16	18.18	18.14	17.99	18.50
		MID	Q16	18.08	18.25	18.13	18.50
		HIGH	Q16	18.16	17.95	18.28	18.50
	3	LOW	64QAM	18.11	18.09	17.91	18.50
		MID	64QAM	18.12	18.08	18.10	18.50
1.4	1	MID	64QAM	18.25	18.06	18.13	18.50
		HIGH	64QAM	17.99	17.89	17.99	18.50
	3	LOW	64QAM	18.05	18.07	18.17	18.50
		MID	64QAM	18.05	18.07	18.17	18.50
		HIGH	64QAM	18.05	18.07	18.17	18.50
	3	LOW	64QAM	18.05	18.07	18.17	18.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	18.05	17.87	17.92	18.50
		MID	QPSK	18.04	17.89	17.98	18.50
		HIGH	QPSK	17.88	18.01	18.01	18.50
	8	LOW	QPSK	17.88	17.96	17.95	18.50
		MID	QPSK	18.20	18.14	18.07	18.50
		HIGH	QPSK	17.91	18.04	18.17	18.50
3	1	LOW	QPSK	18.06	18.16	18.20	18.50
		MID	Q16	18.21	18.27	18.08	18.50
		HIGH	Q16	18.01	18.17	18.28	18.50
	8	LOW	Q16	18.24	18.07	17.90	18.50
		MID	Q16	17.89	17.98	17.98	18.50
		HIGH	Q16	18.06	17.92	18.22	18.50
3	1	LOW	Q16	18.05	18.12	18.29	18.50
		MID	Q16	18.05	18.12	18.29	18.50
		HIGH	Q16	17.95	17.94	18.17	18.50
	8	LOW	64QAM	18.31	18.28	18.02	18.50
		MID	64QAM	18.05	17.95	18.17	18.50
		HIGH	64QAM	18.17	18.04	17.86	18.50
3	1	LOW	64QAM	17.98	18.21	18.32	18.50
		MID	64QAM	17.98	18.04	18.29	18.50
		HIGH	64QAM	18.17	18.00	18.19	18.50
	15	LOW	64QAM	18.06	18.18	18.23	18.50
		MID	64QAM	18.06	18.18	18.23	18.50
		HIGH	64QAM	18.06	18.18	18.23	18.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	18.03	18.00	17.94	18.50
		MID	QPSK	18.02	18.07	17.91	18.50
		HIGH	QPSK	18.03	18.17	18.12	18.50
	12	LOW	QPSK	17.90	17.98	18.09	18.50
		MID	QPSK	18.09	18.18	18.04	18.50
		HIGH	QPSK	18.00	18.06	18.28	18.50
	25	LOW	QPSK	17.94	17.91	18.05	18.50
5	1	LOW	Q16	18.30	18.22	18.28	18.50
		MID	Q16	18.15	18.03	18.30	18.50
		HIGH	Q16	18.22	17.89	17.92	18.50
	12	LOW	Q16	17.78	18.04	17.95	18.50
		MID	Q16	17.90	18.08	18.02	18.50
		HIGH	Q16	18.05	18.08	18.20	18.50
	25	LOW	Q16	18.02	17.94	18.08	18.50
5	1	LOW	64QAM	18.28	18.32	18.17	18.50
		MID	64QAM	18.00	18.11	18.35	18.50
		HIGH	64QAM	18.17	18.00	17.99	18.50
	12	LOW	64QAM	18.03	18.28	18.23	18.50
		MID	64QAM	18.11	18.06	18.16	18.50
		HIGH	64QAM	18.07	18.00	18.20	18.50
	25	LOW	64QAM	17.85	18.13	18.26	18.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	17.87	17.93	18.17	18.50
		MID	QPSK	17.93	17.91	18.00	18.50
		HIGH	QPSK	17.99	18.06	18.07	18.50
	25	LOW	QPSK	17.91	17.98	18.04	18.50
		MID	QPSK	17.97	18.04	18.20	18.50
		HIGH	QPSK	18.11	17.99	18.15	18.50
	50	LOW	QPSK	18.08	18.14	18.05	18.50
10	1	LOW	Q16	18.23	18.15	18.30	18.50
		MID	Q16	18.03	18.08	18.24	18.50
		HIGH	Q16	18.11	18.07	18.01	18.50
	25	LOW	Q16	17.87	17.91	17.95	18.50
		MID	Q16	18.19	18.03	18.22	18.50
		HIGH	Q16	17.85	18.13	18.20	18.50
	50	LOW	Q16	18.02	17.98	17.99	18.50
10	1	LOW	64QAM	18.15	18.16	18.31	18.50
		MID	64QAM	18.02	17.93	18.30	18.50
		HIGH	64QAM	18.18	18.00	17.91	18.50
	25	LOW	64QAM	17.89	18.21	18.30	18.50
		MID	64QAM	18.09	18.20	18.35	18.50
		HIGH	64QAM	18.17	17.82	18.24	18.50
	50	LOW	64QAM	17.81	18.04	18.21	18.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	18.03	18.00	17.99	18.50
		MID	QPSK	17.88	17.80	18.02	18.50
		HIGH	QPSK	17.97	17.97	18.19	18.50
	36	LOW	QPSK	17.88	17.87	18.13	18.50
		MID	QPSK	18.20	18.07	18.27	18.50
		HIGH	QPSK	18.15	17.99	18.01	18.50
	75	LOW	QPSK	18.13	18.03	18.21	18.50
15	1	LOW	Q16	18.23	18.11	18.30	18.50
		MID	Q16	18.17	18.07	18.28	18.50
		HIGH	Q16	18.29	18.07	17.90	18.50
	36	LOW	Q16	18.02	17.95	17.93	18.50
		MID	Q16	18.06	18.19	18.04	18.50
		HIGH	Q16	17.98	18.12	18.18	18.50
	75	LOW	Q16	18.07	18.11	18.28	18.50
15	1	LOW	64QAM	18.24	18.07	18.02	18.50
		MID	64QAM	17.95	18.16	18.21	18.50
		HIGH	64QAM	18.06	17.96	18.09	18.50
	36	LOW	64QAM	18.05	18.18	18.32	18.50
		MID	64QAM	18.27	18.02	18.22	18.50
		HIGH	64QAM	18.19	17.82	18.00	18.50
	75	LOW	64QAM	17.90	18.05	18.23	18.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	17.96	18.00	18.08	18.50
		MID	QPSK	17.95	18.00	18.09	18.50
		HIGH	QPSK	17.99	18.10	18.14	18.50
	50	LOW	QPSK	18.04	18.07	18.11	18.50
		MID	QPSK	18.13	18.09	18.20	18.50
		HIGH	QPSK	18.11	18.15	18.19	18.50
	100	LOW	QPSK	18.08	18.07	18.16	18.50
20	1	LOW	Q16	18.21	18.22	18.26	18.50
		MID	Q16	18.19	18.12	18.28	18.50
		HIGH	Q16	18.24	18.02	18.03	18.50
	50	LOW	Q16	17.98	18.09	18.13	18.50
		MID	Q16	18.10	18.12	18.22	18.50
		HIGH	Q16	18.05	18.17	18.20	18.50
	100	LOW	Q16	18.11	18.07	18.19	18.50
20	1	LOW	64QAM	18.26	18.23	18.22	18.50
		MID	64QAM	18.09	18.09	18.28	18.50
		HIGH	64QAM	18.22	18.00	18.04	18.50
	50	LOW	64QAM	18.03	18.23	18.28	18.50
		MID	64QAM	18.18	18.22	18.31	18.50
		HIGH	64QAM	18.12	18.02	18.15	18.50
	100	LOW	64QAM	18.01	18.09	18.21	18.50

LTE B4-State 19 -Ant.1							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	17.94	18.05	17.92	18.50
		MID	QPSK	17.77	17.95	18.18	18.50
		HIGH	QPSK	17.99	18.08	18.18	18.50
	3	LOW	QPSK	18.13	18.03	17.97	18.50
		MID	QPSK	18.15	18.04	18.04	18.50
		HIGH	QPSK	17.97	18.06	18.19	18.50
1.4	1	LOW	QPSK	17.90	17.93	18.01	18.50
	3	LOW	Q16	18.06	18.31	18.06	18.50
		MID	Q16	18.08	18.01	18.28	18.50
		HIGH	Q16	18.20	17.88	17.94	18.50
	3	LOW	Q16	18.00	18.09	18.20	18.50
		MID	Q16	18.05	17.98	18.09	18.50
1.4	1	HIGH	Q16	17.89	18.06	18.22	18.50
	3	LOW	Q16	18.18	18.14	17.99	18.50
		MID	Q16	18.08	18.25	18.13	18.50
		HIGH	Q16	18.16	17.95	18.28	18.50
	3	LOW	64QAM	18.11	18.09	17.91	18.50
		MID	64QAM	18.12	18.08	18.10	18.50
1.4	1	MID	64QAM	18.25	18.06	18.13	18.50
		HIGH	64QAM	17.99	17.89	17.99	18.50
	3	LOW	64QAM	18.05	18.07	18.17	18.50
		MID	64QAM	18.05	18.07	18.17	18.50
		HIGH	64QAM	18.05	18.07	18.17	18.50
	3	LOW	64QAM	18.05	18.07	18.17	18.50
3	1	LOW	QPSK	18.05	17.87	17.92	18.50
		MID	QPSK	18.04	17.89	17.98	18.50
		HIGH	QPSK	17.88	18.01	18.01	18.50
	8	LOW	QPSK	17.88	17.96	17.95	18.50
		MID	QPSK	18.20	18.14	18.07	18.50
		HIGH	QPSK	17.91	18.04	18.17	18.50
3	15	LOW	QPSK	18.06	18.16	18.20	18.50
		MID	Q16	18.21	18.27	18.08	18.50
		HIGH	Q16	18.01	18.17	18.28	18.50
	8	LOW	Q16	18.24	18.07	17.90	18.50
		MID	Q16	17.89	17.98	17.98	18.50
		HIGH	Q16	18.06	17.92	18.22	18.50
3	15	LOW	Q16	18.05	18.12	18.29	18.50
		MID	Q16	17.95	17.94	18.17	18.50
		HIGH	Q16	18.31	18.28	18.02	18.50
	8	LOW	64QAM	18.05	17.95	18.17	18.50
		MID	64QAM	18.17	18.04	17.86	18.50
		HIGH	64QAM	17.98	18.21	18.32	18.50
3	15	LOW	64QAM	17.98	18.04	18.29	18.50
		MID	64QAM	18.17	18.00	18.19	18.50
		HIGH	64QAM	18.17	18.00	18.19	18.50
	15	LOW	64QAM	18.06	18.18	18.23	18.50
		MID	64QAM	18.06	18.18	18.23	18.50
		HIGH	64QAM	18.06	18.18	18.23	18.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	18.03	18.00	17.94	18.50
		MID	QPSK	18.02	18.07	17.91	18.50
		HIGH	QPSK	18.03	18.17	18.12	18.50
	12	LOW	QPSK	17.90	17.98	18.09	18.50
		MID	QPSK	18.09	18.18	18.04	18.50
		HIGH	QPSK	18.00	18.06	18.28	18.50
	25	LOW	QPSK	17.94	17.91	18.05	18.50
5	1	LOW	Q16	18.30	18.22	18.28	18.50
		MID	Q16	18.15	18.03	18.30	18.50
		HIGH	Q16	18.22	17.89	17.92	18.50
	12	LOW	Q16	17.78	18.04	17.95	18.50
		MID	Q16	17.90	18.08	18.02	18.50
		HIGH	Q16	18.05	18.08	18.20	18.50
	25	LOW	Q16	18.02	17.94	18.08	18.50
5	1	LOW	64QAM	18.28	18.32	18.17	18.50
		MID	64QAM	18.00	18.11	18.35	18.50
		HIGH	64QAM	18.17	18.00	17.99	18.50
	12	LOW	64QAM	18.03	18.28	18.23	18.50
		MID	64QAM	18.11	18.06	18.16	18.50
		HIGH	64QAM	18.07	18.00	18.20	18.50
	25	LOW	64QAM	17.85	18.13	18.26	18.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	17.87	17.93	18.17	18.50
		MID	QPSK	17.93	17.91	18.00	18.50
		HIGH	QPSK	17.99	18.06	18.07	18.50
	25	LOW	QPSK	17.91	17.98	18.04	18.50
		MID	QPSK	17.97	18.04	18.20	18.50
		HIGH	QPSK	18.11	17.99	18.15	18.50
	50	LOW	QPSK	18.08	18.14	18.05	18.50
10	1	LOW	Q16	18.23	18.15	18.30	18.50
		MID	Q16	18.03	18.08	18.24	18.50
		HIGH	Q16	18.11	18.07	18.01	18.50
	25	LOW	Q16	17.87	17.91	17.95	18.50
		MID	Q16	18.19	18.03	18.22	18.50
		HIGH	Q16	17.85	18.13	18.20	18.50
	50	LOW	Q16	18.02	17.98	17.99	18.50
10	1	LOW	64QAM	18.15	18.16	18.31	18.50
		MID	64QAM	18.02	17.93	18.30	18.50
		HIGH	64QAM	18.18	18.00	17.91	18.50
	25	LOW	64QAM	17.89	18.21	18.30	18.50
		MID	64QAM	18.09	18.20	18.35	18.50
		HIGH	64QAM	18.17	17.82	18.24	18.50
	50	LOW	64QAM	17.81	18.04	18.21	18.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	18.03	18.00	17.99	18.50
		MID	QPSK	17.88	17.80	18.02	18.50
		HIGH	QPSK	17.97	17.97	18.19	18.50
	36	LOW	QPSK	17.88	17.87	18.13	18.50
		MID	QPSK	18.20	18.07	18.27	18.50
		HIGH	QPSK	18.15	17.99	18.01	18.50
	75	LOW	QPSK	18.13	18.03	18.21	18.50
15	1	LOW	Q16	18.23	18.11	18.30	18.50
		MID	Q16	18.17	18.07	18.28	18.50
		HIGH	Q16	18.29	18.07	17.90	18.50
	36	LOW	Q16	18.02	17.95	17.93	18.50
		MID	Q16	18.06	18.19	18.04	18.50
		HIGH	Q16	17.98	18.12	18.18	18.50
	75	LOW	Q16	18.07	18.11	18.28	18.50
15	1	LOW	64QAM	18.24	18.07	18.02	18.50
		MID	64QAM	17.95	18.16	18.21	18.50
		HIGH	64QAM	18.06	17.96	18.09	18.50
	36	LOW	64QAM	18.05	18.18	18.32	18.50
		MID	64QAM	18.27	18.02	18.22	18.50
		HIGH	64QAM	18.19	17.82	18.00	18.50
	75	LOW	64QAM	17.90	18.05	18.23	18.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	17.96	18.00	18.08	18.50
		MID	QPSK	17.95	18.00	18.09	18.50
		HIGH	QPSK	17.99	18.10	18.14	18.50
	50	LOW	QPSK	18.04	18.07	18.11	18.50
		MID	QPSK	18.13	18.09	18.20	18.50
		HIGH	QPSK	18.11	18.15	18.19	18.50
	100	LOW	QPSK	18.08	18.07	18.16	18.50
20	1	LOW	Q16	18.21	18.22	18.26	18.50
		MID	Q16	18.19	18.12	18.28	18.50
		HIGH	Q16	18.24	18.02	18.03	18.50
	50	LOW	Q16	17.98	18.09	18.13	18.50
		MID	Q16	18.10	18.12	18.22	18.50
		HIGH	Q16	18.05	18.17	18.20	18.50
	100	LOW	Q16	18.11	18.07	18.19	18.50
20	1	LOW	64QAM	18.26	18.23	18.22	18.50
		MID	64QAM	18.09	18.09	18.28	18.50
		HIGH	64QAM	18.22	18.00	18.04	18.50
	50	LOW	64QAM	18.03	18.23	18.28	18.50
		MID	64QAM	18.18	18.22	18.31	18.50
		HIGH	64QAM	18.12	18.02	18.15	18.50
	100	LOW	64QAM	18.01	18.09	18.21	18.50

LTE B4-State 12 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.78	23.03	22.89	23.50
		MID	QPSK	22.65	22.91	23.22	23.50
		HIGH	QPSK	22.97	22.77	22.99	23.50
	3	LOW	QPSK	22.83	23.03	22.68	23.50
		MID	QPSK	22.47	22.86	23.08	23.50
		HIGH	QPSK	22.99	22.70	22.99	23.50
1.4	1	LOW	QPSK	22.08	22.04	22.20	22.50
	3	LOW	Q16	22.24	22.14	22.42	22.50
		MID	Q16	22.27	22.33	22.48	22.50
		HIGH	Q16	22.45	22.25	22.38	22.50
	3	LOW	Q16	22.06	21.92	22.46	22.50
		MID	Q16	22.34	22.35	22.35	22.50
1.4	1	HIGH	Q16	22.45	22.09	22.47	22.50
	3	LOW	Q16	21.11	21.11	21.02	21.50
		MID	64QAM	21.14	21.27	21.06	21.50
		HIGH	64QAM	20.70	21.37	21.20	21.50
	3	LOW	64QAM	21.13	21.30	20.54	21.50
		MID	64QAM	19.73	19.90	20.22	21.50
1.4	1	HIGH	64QAM	19.65	19.62	19.92	21.50
		MID	64QAM	19.75	20.01	19.73	21.50
		HIGH	64QAM	19.42	19.79	19.89	20.50
	3	LOW	64QAM	19.42	19.79	19.89	20.50
	6	LOW	64QAM	19.42	19.79	19.89	20.50
		MID	64QAM	19.42	19.79	19.89	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.90	22.98	22.93	23.50
		MID	QPSK	22.91	22.93	22.92	23.50
		HIGH	QPSK	22.79	22.87	22.94	23.50
	8	LOW	QPSK	21.82	21.85	22.14	22.50
		MID	QPSK	21.99	22.00	22.15	22.50
		HIGH	QPSK	21.94	22.00	22.13	22.50
3	15	LOW	QPSK	21.77	21.84	22.13	22.50
		MID	Q16	22.31	22.46	22.48	22.50
		HIGH	Q16	22.29	22.33	22.46	22.50
	8	LOW	Q16	22.27	22.34	22.47	22.50
		MID	Q16	20.85	20.91	21.01	21.50
		HIGH	Q16	20.95	21.10	21.30	21.50
3	15	LOW	Q16	21.01	20.86	21.23	21.50
	8	LOW	Q16	20.85	21.05	21.23	21.50
		MID	64QAM	21.31	21.18	21.04	21.50
	1	MID	64QAM	20.89	21.19	21.35	21.50
		HIGH	64QAM	21.45	21.28	21.06	21.50
	8	LOW	64QAM	19.71	19.70	20.14	20.50
3	15	MID	64QAM	19.77	19.78	19.96	20.50
		HIGH	64QAM	19.97	20.23	19.65	20.50
		LOW	64QAM	19.60	19.65	20.11	20.50
	8	LOW	64QAM	19.60	19.65	20.11	20.50
		MID	64QAM	19.60	19.65	20.11	20.50
		HIGH	64QAM	19.60	19.65	20.11	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.67	22.82	23.26	23.50
		MID	QPSK	22.79	22.75	22.89	23.50
		HIGH	QPSK	22.69	23.07	22.92	23.50
	12	LOW	QPSK	22.02	21.94	21.96	22.50
		MID	QPSK	22.08	21.89	22.18	22.50
		HIGH	QPSK	21.90	22.04	22.22	22.50
	25	LOW	QPSK	21.79	21.78	22.22	22.50
5	1	LOW	Q16	22.44	22.32	22.37	22.50
		MID	Q16	22.33	22.26	22.46	22.50
		HIGH	Q16	22.27	22.45	22.29	22.50
	12	LOW	Q16	20.74	20.95	20.99	21.50
		MID	Q16	20.76	20.97	21.03	21.50
		HIGH	Q16	20.89	20.92	21.11	21.50
	25	LOW	Q16	20.87	21.09	21.19	21.50
5	1	LOW	64QAM	21.25	21.16	21.27	21.50
		MID	64QAM	20.85	21.19	21.20	21.50
		HIGH	64QAM	21.49	21.26	20.90	21.50
	12	LOW	64QAM	19.63	19.98	20.08	20.50
		MID	64QAM	19.61	19.48	19.82	20.50
		HIGH	64QAM	19.81	20.15	19.67	20.50
	25	LOW	64QAM	19.58	19.75	19.97	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	22.72	23.01	23.16	23.50
		MID	QPSK	22.86	22.77	23.15	23.50
		HIGH	QPSK	22.92	23.07	22.99	23.50
	25	LOW	QPSK	21.84	21.96	21.94	22.50
		MID	QPSK	22.08	21.82	22.29	22.50
		HIGH	QPSK	21.72	21.93	22.02	22.50
	50	LOW	QPSK	21.77	21.89	22.22	22.50
10	1	LOW	Q16	22.17	22.48	22.22	22.50
		MID	Q16	22.33	22.21	22.28	22.50
		HIGH	Q16	22.41	22.23	22.45	22.50
	25	LOW	Q16	20.83	20.91	21.03	21.50
		MID	Q16	20.97	21.19	21.22	21.50
		HIGH	Q16	20.76	20.98	21.23	21.50
	50	LOW	Q16	21.04	21.01	21.19	21.50
10	1	LOW	64QAM	21.27	21.07	21.17	21.50
		MID	64QAM	20.91	21.40	21.50	21.50
		HIGH	64QAM	21.49	21.22	20.83	21.50
	25	LOW	64QAM	19.75	20.00	20.10	20.50
		MID	64QAM	19.61	19.50	19.80	20.50
		HIGH	64QAM	19.81	20.29	19.67	20.50
	50	LOW	64QAM	19.58	19.75	19.89	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.83	22.73	23.02	23.50
		MID	QPSK	22.77	22.96	23.08	23.50
		HIGH	QPSK	23.01	22.96	22.83	23.50
	36	LOW	QPSK	21.95	22.09	22.12	22.50
		MID	QPSK	22.08	21.97	22.02	22.50
		HIGH	QPSK	21.79	21.97	21.97	22.50
	75	LOW	QPSK	21.97	21.89	22.29	22.50
15	1	LOW	Q16	22.31	22.35	22.33	22.50
		MID	Q16	22.27	22.33	22.24	22.50
		HIGH	Q16	22.47	22.43	22.49	22.50
	36	LOW	Q16	20.83	20.93	21.08	21.50
		MID	Q16	20.76	21.16	21.22	21.50
		HIGH	Q16	21.07	20.94	20.92	21.50
	75	LOW	Q16	21.00	20.99	21.12	21.50
15	1	LOW	64QAM	21.32	21.31	21.02	21.50
		MID	64QAM	21.14	21.28	21.25	21.50
		HIGH	64QAM	21.24	21.05	20.77	21.50
	36	LOW	64QAM	19.85	19.92	19.94	20.50
		MID	64QAM	19.75	19.76	20.02	20.50
		HIGH	64QAM	20.01	20.03	19.67	20.50
	75	LOW	64QAM	19.50	19.87	19.99	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.83	22.96	23.14	23.50
		MID	QPSK	22.86	22.98	23.10	23.50
		HIGH	QPSK	22.90	22.98	22.99	23.50
	50	LOW	QPSK	21.93	22.09	22.16	22.50
		MID	QPSK	21.99	22.04	22.22	22.50
		HIGH	QPSK	21.94	22.04	22.15	22.50
	100	LOW	QPSK	21.97	22.02	22.20	22.50
20	1	LOW	Q16	22.42	22.39	22.44	22.50
		MID	Q16	22.40	22.46	22.44	22.50
		HIGH	Q16	22.45	22.45	22.47	22.50
	50	LOW	Q16	20.91	21.08	21.16	21.50
		MID	Q16	20.99	21.08	21.24	21.50
		HIGH	Q16	20.99	21.09	21.15	21.50
	100	LOW	Q16	21.00	21.03	21.23	21.50
20	1	LOW	64QAM	21.46	21.20	21.23	21.50
		MID	64QAM	21.06	21.34	21.44	21.50
		HIGH	64QAM	21.43	21.28	20.98	21.50
	50	LOW	64QAM	19.77	19.92	20.14	20.50
		MID	64QAM	19.69	19.70	19.98	20.50
		HIGH	64QAM	19.95	20.21	19.67	20.50
	100	LOW	64QAM	19.58	19.77	20.05	20.50

LTE B4-State 16 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.78	23.03	22.89	23.50
		MID	QPSK	22.65	22.91	23.22	23.50
		HIGH	QPSK	22.97	22.77	22.99	23.50
	3	LOW	QPSK	22.83	23.03	22.68	23.50
		MID	QPSK	22.47	22.86	23.08	23.50
		HIGH	QPSK	22.99	22.70	22.99	23.50
1.4	1	LOW	QPSK	22.08	22.04	22.20	22.50
	3	LOW	Q16	22.24	22.14	22.42	22.50
		MID	Q16	22.27	22.33	22.48	22.50
		HIGH	Q16	22.45	22.25	22.38	22.50
	3	LOW	Q16	22.06	21.92	22.46	22.50
		MID	Q16	22.34	22.35	22.35	22.50
1.4	1	HIGH	Q16	22.45	22.09	22.47	22.50
	3	LOW	Q16	21.11	21.11	21.02	21.50
		MID	64QAM	21.14	21.27	21.06	21.50
		HIGH	64QAM	20.70	21.37	21.20	21.50
	3	LOW	64QAM	21.13	21.30	20.54	21.50
		MID	64QAM	19.73	19.90	20.22	21.50
1.4	1	HIGH	64QAM	19.65	19.62	19.92	21.50
		MID	64QAM	19.75	20.01	19.73	21.50
		HIGH	64QAM	19.42	19.79	19.89	20.50
	3	LOW	64QAM	19.42	19.79	19.89	20.50
	6	LOW	64QAM	19.42	19.79	19.89	20.50
		MID	64QAM	19.42	19.79	19.89	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.90	22.98	22.93	23.50
		MID	QPSK	22.91	22.93	22.92	23.50
		HIGH	QPSK	22.79	22.87	22.94	23.50
	8	LOW	QPSK	21.82	21.85	22.14	22.50
		MID	QPSK	21.99	22.00	22.15	22.50
		HIGH	QPSK	21.94	22.00	22.13	22.50
3	15	LOW	QPSK	21.77	21.84	22.13	22.50
		MID	Q16	22.31	22.46	22.48	22.50
		HIGH	Q16	22.29	22.33	22.46	22.50
	8	LOW	Q16	22.27	22.34	22.47	22.50
		MID	Q16	20.85	20.91	21.01	21.50
		HIGH	Q16	20.95	21.10	21.30	21.50
3	15	LOW	Q16	21.01	20.86	21.23	21.50
	8	LOW	Q16	20.85	21.05	21.23	21.50
		MID	64QAM	21.31	21.18	21.04	21.50
	1	MID	64QAM	20.89	21.19	21.35	21.50
		HIGH	64QAM	21.45	21.28	21.06	21.50
	8	LOW	64QAM	19.71	19.70	20.14	20.50
3	15	MID	64QAM	19.77	19.78	19.96	20.50
		HIGH	64QAM	19.97	20.23	19.65	20.50
		LOW	64QAM	19.60	19.65	20.11	20.50
	8	LOW	64QAM	19.60	19.65	20.11	20.50
		MID	64QAM	19.60	19.65	20.11	20.50
		HIGH	64QAM	19.60	19.65	20.11	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.67	22.82	23.26	23.50
		MID	QPSK	22.79	22.75	22.89	23.50
		HIGH	QPSK	22.69	23.07	22.92	23.50
	12	LOW	QPSK	22.02	21.94	21.96	22.50
		MID	QPSK	22.08	21.89	22.18	22.50
		HIGH	QPSK	21.90	22.04	22.22	22.50
	25	LOW	QPSK	21.79	21.78	22.22	22.50
5	1	LOW	Q16	22.44	22.32	22.37	22.50
		MID	Q16	22.33	22.26	22.46	22.50
		HIGH	Q16	22.27	22.45	22.29	22.50
	12	LOW	Q16	20.74	20.95	20.99	21.50
		MID	Q16	20.76	20.97	21.03	21.50
		HIGH	Q16	20.89	20.92	21.11	21.50
	25	LOW	Q16	20.87	21.09	21.19	21.50
5	1	LOW	64QAM	21.25	21.16	21.27	21.50
		MID	64QAM	20.85	21.19	21.20	21.50
		HIGH	64QAM	21.49	21.26	20.90	21.50
	12	LOW	64QAM	19.63	19.98	20.08	20.50
		MID	64QAM	19.61	19.48	19.82	20.50
		HIGH	64QAM	19.81	20.15	19.67	20.50
	25	LOW	64QAM	19.58	19.75	19.97	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	22.72	23.01	23.16	23.50
		MID	QPSK	22.86	22.77	23.15	23.50
		HIGH	QPSK	22.92	23.07	22.99	23.50
	25	LOW	QPSK	21.84	21.96	21.94	22.50
		MID	QPSK	22.08	21.82	22.29	22.50
		HIGH	QPSK	21.72	21.93	22.02	22.50
	50	LOW	QPSK	21.77	21.89	22.22	22.50
10	1	LOW	Q16	22.17	22.48	22.22	22.50
		MID	Q16	22.33	22.21	22.28	22.50
		HIGH	Q16	22.41	22.23	22.45	22.50
	25	LOW	Q16	20.83	20.91	21.03	21.50
		MID	Q16	20.97	21.19	21.22	21.50
		HIGH	Q16	20.76	20.98	21.23	21.50
	50	LOW	Q16	21.04	21.01	21.19	21.50
10	1	LOW	64QAM	21.27	21.07	21.17	21.50
		MID	64QAM	20.91	21.40	21.50	21.50
		HIGH	64QAM	21.49	21.22	20.83	21.50
	25	LOW	64QAM	19.75	20.00	20.10	20.50
		MID	64QAM	19.61	19.50	19.80	20.50
		HIGH	64QAM	19.81	20.29	19.67	20.50
	50	LOW	64QAM	19.58	19.75	19.89	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.83	22.73	23.02	23.50
		MID	QPSK	22.77	22.96	23.08	23.50
		HIGH	QPSK	23.01	22.96	22.83	23.50
	36	LOW	QPSK	21.95	22.09	22.12	22.50
		MID	QPSK	22.08	21.97	22.02	22.50
		HIGH	QPSK	21.79	21.97	21.97	22.50
	75	LOW	QPSK	21.97	21.89	22.29	22.50
15	1	LOW	Q16	22.31	22.35	22.33	22.50
		MID	Q16	22.27	22.33	22.24	22.50
		HIGH	Q16	22.47	22.43	22.49	22.50
	36	LOW	Q16	20.83	20.93	21.08	21.50
		MID	Q16	20.76	21.16	21.22	21.50
		HIGH	Q16	21.07	20.94	20.92	21.50
	75	LOW	Q16	21.00	20.99	21.12	21.50
15	1	LOW	64QAM	21.32	21.31	21.02	21.50
		MID	64QAM	21.14	21.28	21.25	21.50
		HIGH	64QAM	21.24	21.05	20.77	21.50
	36	LOW	64QAM	19.85	19.92	19.94	20.50
		MID	64QAM	19.75	19.76	20.02	20.50
		HIGH	64QAM	20.01	20.03	19.67	20.50
	75	LOW	64QAM	19.50	19.87	19.99	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.83	22.96	23.14	23.50
		MID	QPSK	22.86	22.98	23.10	23.50
		HIGH	QPSK	22.90	22.98	22.99	23.50
	50	LOW	QPSK	21.93	22.09	22.16	22.50
		MID	QPSK	21.99	22.04	22.22	22.50
		HIGH	QPSK	21.94	22.04	22.15	22.50
	100	LOW	QPSK	21.97	22.02	22.20	22.50
20	1	LOW	Q16	22.42	22.39	22.44	22.50
		MID	Q16	22.40	22.46	22.44	22.50
		HIGH	Q16	22.45	22.45	22.47	22.50
	50	LOW	Q16	20.91	21.08	21.16	21.50
		MID	Q16	20.99	21.08	21.24	21.50
		HIGH	Q16	20.99	21.09	21.15	21.50
	100	LOW	Q16	21.00	21.03	21.23	21.50
20	1	LOW	64QAM	21.46	21.20	21.23	21.50
		MID	64QAM	21.06	21.34	21.44	21.50
		HIGH	64QAM	21.43	21.28	20.98	21.50
	50	LOW	64QAM	19.77	19.92	20.14	20.50
		MID	64QAM	19.69	19.70	19.98	20.50
		HIGH	64QAM	19.95	20.21	19.67	20.50
	100	LOW	64QAM	19.58	19.77	20.05	20.50

LTE B4-State 18 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.78	23.03	22.89	23.50
		MID	QPSK	22.65	22.91	23.22	23.50
		HIGH	QPSK	22.97	22.77	22.99	23.50
	3	LOW	QPSK	22.83	23.03	22.68	23.50
		MID	QPSK	22.47	22.86	23.08	23.50
		HIGH	QPSK	22.99	22.70	22.99	23.50
6	LOW	QPSK	22.08	22.04	22.20	22.50	
1.4	1	LOW	Q16	22.24	22.14	22.42	22.50
		MID	Q16	22.27	22.33	22.48	22.50
		HIGH	Q16	22.45	22.25	22.38	22.50
	3	LOW	Q16	22.06	21.92	22.46	22.50
		MID	Q16	22.34	22.35	22.35	22.50
		HIGH	Q16	22.45	22.09	22.47	22.50
6	LOW	Q16	21.11	21.11	21.02	21.50	
1.4	1	LOW	64QAM	21.14	21.27	21.06	21.50
		MID	64QAM	20.70	21.37	21.20	21.50
		HIGH	64QAM	21.13	21.30	20.54	21.50
	3	LOW	64QAM	19.73	19.90	20.22	21.50
		MID	64QAM	19.65	19.62	19.92	21.50
		HIGH	64QAM	19.75	20.01	19.73	21.50
6	LOW	64QAM	19.42	19.79	19.89	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.90	22.98	22.93	23.50
		MID	QPSK	22.91	22.93	22.92	23.50
		HIGH	QPSK	22.79	22.87	22.94	23.50
	8	LOW	QPSK	21.82	21.85	22.14	22.50
		MID	QPSK	21.99	22.00	22.15	22.50
		HIGH	QPSK	21.94	22.00	22.13	22.50
15	LOW	QPSK	21.77	21.84	22.13	22.50	
3	1	LOW	Q16	22.31	22.46	22.48	22.50
		MID	Q16	22.29	22.33	22.46	22.50
		HIGH	Q16	22.27	22.34	22.47	22.50
	8	LOW	Q16	20.85	20.91	21.01	21.50
		MID	Q16	20.95	21.10	21.30	21.50
		HIGH	Q16	21.01	20.86	21.23	21.50
15	LOW	Q16	20.85	21.05	21.23	21.50	
3	1	LOW	64QAM	21.31	21.18	21.04	21.50
		MID	64QAM	20.89	21.19	21.35	21.50
		HIGH	64QAM	21.45	21.28	21.06	21.50
	8	LOW	64QAM	19.71	19.70	20.14	20.50
		MID	64QAM	19.77	19.78	19.96	20.50
		HIGH	64QAM	19.97	20.23	19.65	20.50
15	LOW	64QAM	19.60	19.65	20.11	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.67	22.82	23.26	23.50
		MID	QPSK	22.79	22.75	22.89	23.50
		HIGH	QPSK	22.69	23.07	22.92	23.50
	12	LOW	QPSK	22.02	21.94	21.96	22.50
		MID	QPSK	22.08	21.89	22.18	22.50
		HIGH	QPSK	21.90	22.04	22.22	22.50
	25	LOW	QPSK	21.79	21.78	22.22	22.50
5	1	LOW	Q16	22.44	22.32	22.37	22.50
		MID	Q16	22.33	22.26	22.46	22.50
		HIGH	Q16	22.27	22.45	22.29	22.50
	12	LOW	Q16	20.74	20.95	20.99	21.50
		MID	Q16	20.76	20.97	21.03	21.50
		HIGH	Q16	20.89	20.92	21.11	21.50
	25	LOW	Q16	20.87	21.09	21.19	21.50
5	1	LOW	64QAM	21.25	21.16	21.27	21.50
		MID	64QAM	20.85	21.19	21.20	21.50
		HIGH	64QAM	21.49	21.26	20.90	21.50
	12	LOW	64QAM	19.63	19.98	20.08	20.50
		MID	64QAM	19.61	19.48	19.82	20.50
		HIGH	64QAM	19.81	20.15	19.67	20.50
	25	LOW	64QAM	19.58	19.75	19.97	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	22.72	23.01	23.16	23.50
		MID	QPSK	22.86	22.77	23.15	23.50
		HIGH	QPSK	22.92	23.07	22.99	23.50
	25	LOW	QPSK	21.84	21.96	21.94	22.50
		MID	QPSK	22.08	21.82	22.29	22.50
		HIGH	QPSK	21.72	21.93	22.02	22.50
	50	LOW	QPSK	21.77	21.89	22.22	22.50
10	1	LOW	Q16	22.17	22.48	22.22	22.50
		MID	Q16	22.33	22.21	22.28	22.50
		HIGH	Q16	22.41	22.23	22.45	22.50
	25	LOW	Q16	20.83	20.91	21.03	21.50
		MID	Q16	20.97	21.19	21.22	21.50
		HIGH	Q16	20.76	20.98	21.23	21.50
	50	LOW	Q16	21.04	21.01	21.19	21.50
10	1	LOW	64QAM	21.27	21.07	21.17	21.50
		MID	64QAM	20.91	21.40	21.50	21.50
		HIGH	64QAM	21.49	21.22	20.83	21.50
	25	LOW	64QAM	19.75	20.00	20.10	20.50
		MID	64QAM	19.61	19.50	19.80	20.50
		HIGH	64QAM	19.81	20.29	19.67	20.50
	50	LOW	64QAM	19.58	19.75	19.89	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.83	22.73	23.02	23.50
		MID	QPSK	22.77	22.96	23.08	23.50
		HIGH	QPSK	23.01	22.96	22.83	23.50
	36	LOW	QPSK	21.95	22.09	22.12	22.50
		MID	QPSK	22.08	21.97	22.02	22.50
		HIGH	QPSK	21.79	21.97	21.97	22.50
	75	LOW	QPSK	21.97	21.89	22.29	22.50
15	1	LOW	Q16	22.31	22.35	22.33	22.50
		MID	Q16	22.27	22.33	22.24	22.50
		HIGH	Q16	22.47	22.43	22.49	22.50
	36	LOW	Q16	20.83	20.93	21.08	21.50
		MID	Q16	20.76	21.16	21.22	21.50
		HIGH	Q16	21.07	20.94	20.92	21.50
	75	LOW	Q16	21.00	20.99	21.12	21.50
15	1	LOW	64QAM	21.32	21.31	21.02	21.50
		MID	64QAM	21.14	21.28	21.25	21.50
		HIGH	64QAM	21.24	21.05	20.77	21.50
	36	LOW	64QAM	19.85	19.92	19.94	20.50
		MID	64QAM	19.75	19.76	20.02	20.50
		HIGH	64QAM	20.01	20.03	19.67	20.50
	75	LOW	64QAM	19.50	19.87	19.99	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.83	22.96	23.14	23.50
		MID	QPSK	22.86	22.98	23.10	23.50
		HIGH	QPSK	22.90	22.98	22.99	23.50
	50	LOW	QPSK	21.93	22.09	22.16	22.50
		MID	QPSK	21.99	22.04	22.22	22.50
		HIGH	QPSK	21.94	22.04	22.15	22.50
	100	LOW	QPSK	21.97	22.02	22.20	22.50
20	1	LOW	Q16	22.42	22.39	22.44	22.50
		MID	Q16	22.40	22.46	22.44	22.50
		HIGH	Q16	22.45	22.45	22.47	22.50
	50	LOW	Q16	20.91	21.08	21.16	21.50
		MID	Q16	20.99	21.08	21.24	21.50
		HIGH	Q16	20.99	21.09	21.15	21.50
	100	LOW	Q16	21.00	21.03	21.23	21.50
20	1	LOW	64QAM	21.46	21.20	21.23	21.50
		MID	64QAM	21.06	21.34	21.44	21.50
		HIGH	64QAM	21.43	21.28	20.98	21.50
	50	LOW	64QAM	19.77	19.92	20.14	20.50
		MID	64QAM	19.69	19.70	19.98	20.50
		HIGH	64QAM	19.95	20.21	19.67	20.50
	100	LOW	64QAM	19.58	19.77	20.05	20.50

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Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.78	23.03	22.89	23.50
		MID	QPSK	22.65	22.91	23.22	23.50
		HIGH	QPSK	22.97	22.77	22.99	23.50
	3	LOW	QPSK	22.83	23.03	22.68	23.50
		MID	QPSK	22.47	22.86	23.08	23.50
		HIGH	QPSK	22.99	22.70	22.99	23.50
6	LOW	QPSK	22.08	22.04	22.20	22.50	
1.4	1	LOW	Q16	22.24	22.14	22.42	22.50
		MID	Q16	22.27	22.33	22.48	22.50
		HIGH	Q16	22.45	22.25	22.38	22.50
	3	LOW	Q16	22.06	21.92	22.46	22.50
		MID	Q16	22.34	22.35	22.35	22.50
		HIGH	Q16	22.45	22.09	22.47	22.50
6	LOW	Q16	21.11	21.11	21.02	21.50	
1.4	1	LOW	64QAM	21.14	21.27	21.06	21.50
		MID	64QAM	20.70	21.37	21.20	21.50
		HIGH	64QAM	21.13	21.30	20.54	21.50
	3	LOW	64QAM	19.73	19.90	20.22	21.50
		MID	64QAM	19.65	19.62	19.92	21.50
		HIGH	64QAM	19.75	20.01	19.73	21.50
6	LOW	64QAM	19.42	19.79	19.89	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.90	22.98	22.93	23.50
		MID	QPSK	22.91	22.93	22.92	23.50
		HIGH	QPSK	22.79	22.87	22.94	23.50
	8	LOW	QPSK	21.82	21.85	22.14	22.50
		MID	QPSK	21.99	22.00	22.15	22.50
		HIGH	QPSK	21.94	22.00	22.13	22.50
15	LOW	QPSK	21.77	21.84	22.13	22.50	
3	1	LOW	Q16	22.31	22.46	22.48	22.50
		MID	Q16	22.29	22.33	22.46	22.50
		HIGH	Q16	22.27	22.34	22.47	22.50
	8	LOW	Q16	20.85	20.91	21.01	21.50
		MID	Q16	20.95	21.10	21.30	21.50
		HIGH	Q16	21.01	20.86	21.23	21.50
15	LOW	Q16	20.85	21.05	21.23	21.50	
3	1	LOW	64QAM	21.31	21.18	21.04	21.50
		MID	64QAM	20.89	21.19	21.35	21.50
		HIGH	64QAM	21.45	21.28	21.06	21.50
	8	LOW	64QAM	19.71	19.70	20.14	20.50
		MID	64QAM	19.77	19.78	19.96	20.50
		HIGH	64QAM	19.97	20.23	19.65	20.50
15	LOW	64QAM	19.60	19.65	20.11	20.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.67	22.82	23.26	23.50
		MID	QPSK	22.79	22.75	22.89	23.50
		HIGH	QPSK	22.69	23.07	22.92	23.50
	12	LOW	QPSK	22.02	21.94	21.96	22.50
		MID	QPSK	22.08	21.89	22.18	22.50
		HIGH	QPSK	21.90	22.04	22.22	22.50
	25	LOW	QPSK	21.79	21.78	22.22	22.50
5	1	LOW	Q16	22.44	22.32	22.37	22.50
		MID	Q16	22.33	22.26	22.46	22.50
		HIGH	Q16	22.27	22.45	22.29	22.50
	12	LOW	Q16	20.74	20.95	20.99	21.50
		MID	Q16	20.76	20.97	21.03	21.50
		HIGH	Q16	20.89	20.92	21.11	21.50
	25	LOW	Q16	20.87	21.09	21.19	21.50
5	1	LOW	64QAM	21.25	21.16	21.27	21.50
		MID	64QAM	20.85	21.19	21.20	21.50
		HIGH	64QAM	21.49	21.26	20.90	21.50
	12	LOW	64QAM	19.63	19.98	20.08	20.50
		MID	64QAM	19.61	19.48	19.82	20.50
		HIGH	64QAM	19.81	20.15	19.67	20.50
	25	LOW	64QAM	19.58	19.75	19.97	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	22.72	23.01	23.16	23.50
		MID	QPSK	22.86	22.77	23.15	23.50
		HIGH	QPSK	22.92	23.07	22.99	23.50
	25	LOW	QPSK	21.84	21.96	21.94	22.50
		MID	QPSK	22.08	21.82	22.29	22.50
		HIGH	QPSK	21.72	21.93	22.02	22.50
	50	LOW	QPSK	21.77	21.89	22.22	22.50
10	1	LOW	Q16	22.17	22.48	22.22	22.50
		MID	Q16	22.33	22.21	22.28	22.50
		HIGH	Q16	22.41	22.23	22.45	22.50
	25	LOW	Q16	20.83	20.91	21.03	21.50
		MID	Q16	20.97	21.19	21.22	21.50
		HIGH	Q16	20.76	20.98	21.23	21.50
	50	LOW	Q16	21.04	21.01	21.19	21.50
10	1	LOW	64QAM	21.27	21.07	21.17	21.50
		MID	64QAM	20.91	21.40	21.50	21.50
		HIGH	64QAM	21.49	21.22	20.83	21.50
	25	LOW	64QAM	19.75	20.00	20.10	20.50
		MID	64QAM	19.61	19.50	19.80	20.50
		HIGH	64QAM	19.81	20.29	19.67	20.50
	50	LOW	64QAM	19.58	19.75	19.89	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.83	22.73	23.02	23.50
		MID	QPSK	22.77	22.96	23.08	23.50
		HIGH	QPSK	23.01	22.96	22.83	23.50
	36	LOW	QPSK	21.95	22.09	22.12	22.50
		MID	QPSK	22.08	21.97	22.02	22.50
		HIGH	QPSK	21.79	21.97	21.97	22.50
	75	LOW	QPSK	21.97	21.89	22.29	22.50
15	1	LOW	Q16	22.31	22.35	22.33	22.50
		MID	Q16	22.27	22.33	22.24	22.50
		HIGH	Q16	22.47	22.43	22.49	22.50
	36	LOW	Q16	20.83	20.93	21.08	21.50
		MID	Q16	20.76	21.16	21.22	21.50
		HIGH	Q16	21.07	20.94	20.92	21.50
	75	LOW	Q16	21.00	20.99	21.12	21.50
15	1	LOW	64QAM	21.32	21.31	21.02	21.50
		MID	64QAM	21.14	21.28	21.25	21.50
		HIGH	64QAM	21.24	21.05	20.77	21.50
	36	LOW	64QAM	19.85	19.92	19.94	20.50
		MID	64QAM	19.75	19.76	20.02	20.50
		HIGH	64QAM	20.01	20.03	19.67	20.50
	75	LOW	64QAM	19.50	19.87	19.99	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.83	22.96	23.14	23.50
		MID	QPSK	22.86	22.98	23.10	23.50
		HIGH	QPSK	22.90	22.98	22.99	23.50
	50	LOW	QPSK	21.93	22.09	22.16	22.50
		MID	QPSK	21.99	22.04	22.22	22.50
		HIGH	QPSK	21.94	22.04	22.15	22.50
	100	LOW	QPSK	21.97	22.02	22.20	22.50
20	1	LOW	Q16	22.42	22.39	22.44	22.50
		MID	Q16	22.40	22.46	22.44	22.50
		HIGH	Q16	22.45	22.45	22.47	22.50
	50	LOW	Q16	20.91	21.08	21.16	21.50
		MID	Q16	20.99	21.08	21.24	21.50
		HIGH	Q16	20.99	21.09	21.15	21.50
	100	LOW	Q16	21.00	21.03	21.23	21.50
20	1	LOW	64QAM	21.46	21.20	21.23	21.50
		MID	64QAM	21.06	21.34	21.44	21.50
		HIGH	64QAM	21.43	21.28	20.98	21.50
	50	LOW	64QAM	19.77	19.92	20.14	20.50
		MID	64QAM	19.69	19.70	19.98	20.50
		HIGH	64QAM	19.95	20.21	19.67	20.50
	100	LOW	64QAM	19.58	19.77	20.05	20.50

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Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.53	19.98	19.98	20.50
		MID	QPSK	19.98	19.82	19.98	20.50
		HIGH	QPSK	19.76	19.92	19.61	20.50
	3	LOW	QPSK	19.73	20.13	20.20	20.50
		MID	QPSK	19.61	20.02	20.08	20.50
		HIGH	QPSK	19.68	20.08	19.95	20.50
	6	LOW	QPSK	19.59	19.90	19.92	20.50
1.4	1	LOW	Q16	19.57	19.90	19.74	20.50
		MID	Q16	19.64	19.60	19.60	20.50
		HIGH	Q16	20.06	19.86	19.67	20.50
	3	LOW	Q16	19.75	19.99	20.04	20.50
		MID	Q16	19.67	19.90	20.14	20.50
		HIGH	Q16	19.56	20.12	20.05	20.50
	6	LOW	Q16	19.81	19.94	20.08	20.50
1.4	1	LOW	64QAM	19.53	19.78	19.60	20.50
		MID	64QAM	19.94	19.64	19.62	20.50
		HIGH	64QAM	19.74	19.88	19.49	20.50
	3	LOW	64QAM	19.55	19.91	20.16	20.50
		MID	64QAM	19.51	19.60	19.88	20.50
		HIGH	64QAM	19.50	20.06	19.67	20.50
	6	LOW	64QAM	19.57	19.60	19.84	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	19.83	19.96	19.94	20.50
		MID	QPSK	19.96	19.60	19.94	20.50
		HIGH	QPSK	19.86	19.92	19.81	20.50
	8	LOW	QPSK	19.71	19.81	20.22	20.50
		MID	QPSK	19.63	20.22	20.24	20.50
		HIGH	QPSK	19.64	19.96	19.95	20.50
	15	LOW	QPSK	19.61	19.64	20.12	20.50
3	1	LOW	Q16	19.73	19.92	19.64	20.50
		MID	Q16	19.78	19.56	19.60	20.50
		HIGH	Q16	19.96	19.84	19.63	20.50
	8	LOW	Q16	19.55	20.05	20.32	20.50
		MID	Q16	19.73	19.86	19.98	20.50
		HIGH	Q16	19.58	20.14	19.85	20.50
	15	LOW	Q16	19.63	19.70	20.08	20.50
3	1	LOW	64QAM	19.49	19.70	19.74	20.50
		MID	64QAM	19.78	19.56	19.86	20.50
		HIGH	64QAM	19.66	19.88	19.69	20.50
	8	LOW	64QAM	19.33	20.19	20.32	20.50
		MID	64QAM	19.51	19.70	20.12	20.50
		HIGH	64QAM	19.64	19.88	19.67	20.50
	15	LOW	64QAM	19.69	19.66	19.82	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	19.83	20.10	19.98	20.50
		MID	QPSK	19.70	19.72	19.82	20.50
		HIGH	QPSK	19.76	19.96	19.67	20.50
	12	LOW	QPSK	19.73	19.89	20.14	20.50
		MID	QPSK	19.81	20.10	20.30	20.50
		HIGH	QPSK	19.82	20.00	20.13	20.50
	25	LOW	QPSK	19.63	19.86	19.82	20.50
5	1	LOW	Q16	19.65	19.82	19.72	20.50
		MID	Q16	19.94	19.66	19.78	20.50
		HIGH	Q16	20.02	19.82	19.53	20.50
	12	LOW	Q16	19.63	20.11	20.26	20.50
		MID	Q16	19.65	19.90	20.04	20.50
		HIGH	Q16	19.66	20.10	19.89	20.50
	25	LOW	Q16	19.59	19.82	20.04	20.50
5	1	LOW	64QAM	19.69	19.72	19.64	20.50
		MID	64QAM	19.72	19.74	19.78	20.50
		HIGH	64QAM	19.76	19.68	19.67	20.50
	12	LOW	64QAM	19.30	20.17	20.22	20.50
		MID	64QAM	19.61	19.62	20.06	20.50
		HIGH	64QAM	19.80	20.06	19.85	20.50
	25	LOW	64QAM	19.67	19.66	19.94	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	19.57	20.12	20.08	20.50
		MID	QPSK	19.92	19.86	19.80	20.50
		HIGH	QPSK	20.00	20.08	19.57	20.50
	25	LOW	QPSK	19.79	19.97	20.12	20.50
		MID	QPSK	19.77	19.96	20.34	20.50
		HIGH	QPSK	19.82	19.86	20.09	20.50
	50	LOW	QPSK	19.73	19.82	19.80	20.50
10	1	LOW	Q16	19.71	19.70	19.56	20.50
		MID	Q16	19.82	19.64	19.80	20.50
		HIGH	Q16	19.80	19.90	19.69	20.50
	25	LOW	Q16	19.67	20.07	20.04	20.50
		MID	Q16	19.61	20.00	20.14	20.50
		HIGH	Q16	19.86	20.12	20.01	20.50
	50	LOW	Q16	19.67	19.86	19.96	20.50
10	1	LOW	64QAM	19.51	19.80	19.64	20.50
		MID	64QAM	19.78	19.56	19.76	20.50
		HIGH	64QAM	19.60	19.76	19.49	20.50
	25	LOW	64QAM	19.53	19.95	20.12	20.50
		MID	64QAM	19.49	19.80	19.82	20.50
		HIGH	64QAM	19.76	20.08	19.71	20.50
	50	LOW	64QAM	19.51	19.60	19.76	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.71	19.90	19.94	20.50
		MID	QPSK	20.00	19.66	19.72	20.50
		HIGH	QPSK	19.88	19.92	19.75	20.50
	36	LOW	QPSK	19.95	20.03	20.18	20.50
		MID	QPSK	19.83	20.20	20.30	20.50
		HIGH	QPSK	19.78	20.02	20.07	20.50
	75	LOW	QPSK	19.73	19.80	19.80	20.50
15	1	LOW	Q16	19.77	19.88	19.72	20.50
		MID	Q16	19.96	19.52	19.60	20.50
		HIGH	Q16	19.98	19.88	19.55	20.50
	36	LOW	Q16	19.59	19.91	20.02	20.50
		MID	Q16	19.57	19.80	20.04	20.50
		HIGH	Q16	19.62	19.86	19.89	20.50
	75	LOW	Q16	19.79	19.66	20.00	20.50
15	1	LOW	64QAM	19.65	19.82	19.86	20.50
		MID	64QAM	19.88	19.80	19.80	20.50
		HIGH	64QAM	19.72	19.68	19.65	20.50
	36	LOW	64QAM	19.45	19.93	20.34	20.50
		MID	64QAM	19.41	19.70	20.08	20.50
		HIGH	64QAM	19.64	19.90	19.91	20.50
	75	LOW	64QAM	19.63	19.68	19.68	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	19.73	20.04	20.06	20.50
		MID	QPSK	19.90	19.80	19.94	20.50
		HIGH	QPSK	19.96	19.98	19.77	20.50
	50	LOW	QPSK	19.93	20.03	20.18	20.50
		MID	QPSK	19.81	20.12	20.28	20.50
		HIGH	QPSK	19.86	19.98	20.03	20.50
	100	LOW	QPSK	19.81	19.82	20.02	20.50
20	1	LOW	Q16	19.79	19.88	19.78	20.50
		MID	Q16	19.86	19.74	19.76	20.50
		HIGH	Q16	20.02	19.86	19.67	20.50
	50	LOW	Q16	19.71	20.11	20.22	20.50
		MID	Q16	19.67	19.94	20.20	20.50
		HIGH	Q16	19.76	20.08	20.01	20.50
	100	LOW	Q16	19.77	19.88	20.00	20.50
20	1	LOW	64QAM	19.63	19.76	19.76	20.50
		MID	64QAM	19.94	19.72	19.76	20.50
		HIGH	64QAM	19.80	19.82	19.71	20.50
	50	LOW	64QAM	19.49	20.09	20.28	20.50
		MID	64QAM	19.53	19.82	20.04	20.50
		HIGH	64QAM	19.72	20.06	19.89	20.50
	100	LOW	64QAM	19.59	19.74	19.86	20.50

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Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.53	19.98	19.98	20.50
		MID	QPSK	19.98	19.82	19.98	20.50
		HIGH	QPSK	19.76	19.92	19.61	20.50
	3	LOW	QPSK	19.73	20.13	20.20	20.50
		MID	QPSK	19.61	20.02	20.08	20.50
		HIGH	QPSK	19.68	20.08	19.95	20.50
	6	LOW	QPSK	19.59	19.90	19.92	20.50
1.4	1	LOW	Q16	19.57	19.90	19.74	20.50
		MID	Q16	19.64	19.60	19.60	20.50
		HIGH	Q16	20.06	19.86	19.67	20.50
	3	LOW	Q16	19.75	19.99	20.04	20.50
		MID	Q16	19.67	19.90	20.14	20.50
		HIGH	Q16	19.56	20.12	20.05	20.50
	6	LOW	Q16	19.81	19.94	20.08	20.50
1.4	1	LOW	64QAM	19.53	19.78	19.60	20.50
		MID	64QAM	19.94	19.64	19.62	20.50
		HIGH	64QAM	19.74	19.88	19.49	20.50
	3	LOW	64QAM	19.55	19.91	20.16	20.50
		MID	64QAM	19.51	19.60	19.88	20.50
		HIGH	64QAM	19.50	20.06	19.67	20.50
	6	LOW	64QAM	19.57	19.60	19.84	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	19.83	19.96	19.94	20.50
		MID	QPSK	19.96	19.60	19.94	20.50
		HIGH	QPSK	19.86	19.92	19.81	20.50
	8	LOW	QPSK	19.71	19.81	20.22	20.50
		MID	QPSK	19.63	20.22	20.24	20.50
		HIGH	QPSK	19.64	19.96	19.95	20.50
	15	LOW	QPSK	19.61	19.64	20.12	20.50
3	1	LOW	Q16	19.73	19.92	19.64	20.50
		MID	Q16	19.78	19.56	19.60	20.50
		HIGH	Q16	19.96	19.84	19.63	20.50
	8	LOW	Q16	19.55	20.05	20.32	20.50
		MID	Q16	19.73	19.86	19.98	20.50
		HIGH	Q16	19.58	20.14	19.85	20.50
	15	LOW	Q16	19.63	19.70	20.08	20.50
3	1	LOW	64QAM	19.49	19.70	19.74	20.50
		MID	64QAM	19.78	19.56	19.86	20.50
		HIGH	64QAM	19.66	19.88	19.69	20.50
	8	LOW	64QAM	19.33	20.19	20.32	20.50
		MID	64QAM	19.51	19.70	20.12	20.50
		HIGH	64QAM	19.64	19.88	19.67	20.50
	15	LOW	64QAM	19.69	19.66	19.82	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	19.83	20.10	19.98	20.50
		MID	QPSK	19.70	19.72	19.82	20.50
		HIGH	QPSK	19.76	19.96	19.67	20.50
	12	LOW	QPSK	19.73	19.89	20.14	20.50
		MID	QPSK	19.81	20.10	20.30	20.50
		HIGH	QPSK	19.82	20.00	20.13	20.50
	25	LOW	QPSK	19.63	19.86	19.82	20.50
5	1	LOW	Q16	19.65	19.82	19.72	20.50
		MID	Q16	19.94	19.66	19.78	20.50
		HIGH	Q16	20.02	19.82	19.53	20.50
	12	LOW	Q16	19.63	20.11	20.26	20.50
		MID	Q16	19.65	19.90	20.04	20.50
		HIGH	Q16	19.66	20.10	19.89	20.50
	25	LOW	Q16	19.59	19.82	20.04	20.50
5	1	LOW	64QAM	19.69	19.72	19.64	20.50
		MID	64QAM	19.72	19.74	19.78	20.50
		HIGH	64QAM	19.76	19.68	19.67	20.50
	12	LOW	64QAM	19.30	20.17	20.22	20.50
		MID	64QAM	19.61	19.62	20.06	20.50
		HIGH	64QAM	19.80	20.06	19.85	20.50
	25	LOW	64QAM	19.67	19.66	19.94	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	19.57	20.12	20.08	20.50
		MID	QPSK	19.92	19.86	19.80	20.50
		HIGH	QPSK	20.00	20.08	19.57	20.50
	25	LOW	QPSK	19.79	19.97	20.12	20.50
		MID	QPSK	19.77	19.96	20.34	20.50
		HIGH	QPSK	19.82	19.86	20.09	20.50
	50	LOW	QPSK	19.73	19.82	19.80	20.50
10	1	LOW	Q16	19.71	19.70	19.56	20.50
		MID	Q16	19.82	19.64	19.80	20.50
		HIGH	Q16	19.80	19.90	19.69	20.50
	25	LOW	Q16	19.67	20.07	20.04	20.50
		MID	Q16	19.61	20.00	20.14	20.50
		HIGH	Q16	19.86	20.12	20.01	20.50
	50	LOW	Q16	19.67	19.86	19.96	20.50
10	1	LOW	64QAM	19.51	19.80	19.64	20.50
		MID	64QAM	19.78	19.56	19.76	20.50
		HIGH	64QAM	19.60	19.76	19.49	20.50
	25	LOW	64QAM	19.53	19.95	20.12	20.50
		MID	64QAM	19.49	19.80	19.82	20.50
		HIGH	64QAM	19.76	20.08	19.71	20.50
	50	LOW	64QAM	19.51	19.60	19.76	20.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.71	19.90	19.94	20.50
		MID	QPSK	20.00	19.66	19.72	20.50
		HIGH	QPSK	19.88	19.92	19.75	20.50
	36	LOW	QPSK	19.95	20.03	20.18	20.50
		MID	QPSK	19.83	20.20	20.30	20.50
		HIGH	QPSK	19.78	20.02	20.07	20.50
	75	LOW	QPSK	19.73	19.80	19.80	20.50
15	1	LOW	Q16	19.77	19.88	19.72	20.50
		MID	Q16	19.96	19.52	19.60	20.50
		HIGH	Q16	19.98	19.88	19.55	20.50
	36	LOW	Q16	19.59	19.91	20.02	20.50
		MID	Q16	19.57	19.80	20.04	20.50
		HIGH	Q16	19.62	19.86	19.89	20.50
	75	LOW	Q16	19.79	19.66	20.00	20.50
15	1	LOW	64QAM	19.65	19.82	19.86	20.50
		MID	64QAM	19.88	19.80	19.80	20.50
		HIGH	64QAM	19.72	19.68	19.65	20.50
	36	LOW	64QAM	19.45	19.93	20.34	20.50
		MID	64QAM	19.41	19.70	20.08	20.50
		HIGH	64QAM	19.64	19.90	19.91	20.50
	75	LOW	64QAM	19.63	19.68	19.68	20.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	19.73	20.04	20.06	20.50
		MID	QPSK	19.90	19.80	19.94	20.50
		HIGH	QPSK	19.96	19.98	19.77	20.50
	50	LOW	QPSK	19.93	20.03	20.18	20.50
		MID	QPSK	19.81	20.12	20.28	20.50
		HIGH	QPSK	19.86	19.98	20.03	20.50
	100	LOW	QPSK	19.81	19.82	20.02	20.50
20	1	LOW	Q16	19.79	19.88	19.78	20.50
		MID	Q16	19.86	19.74	19.76	20.50
		HIGH	Q16	20.02	19.86	19.67	20.50
	50	LOW	Q16	19.71	20.11	20.22	20.50
		MID	Q16	19.67	19.94	20.20	20.50
		HIGH	Q16	19.76	20.08	20.01	20.50
	100	LOW	Q16	19.77	19.88	20.00	20.50
20	1	LOW	64QAM	19.63	19.76	19.76	20.50
		MID	64QAM	19.94	19.72	19.76	20.50
		HIGH	64QAM	19.80	19.82	19.71	20.50
	50	LOW	64QAM	19.49	20.09	20.28	20.50
		MID	64QAM	19.53	19.82	20.04	20.50
		HIGH	64QAM	19.72	20.06	19.89	20.50
	100	LOW	64QAM	19.59	19.74	19.86	20.50

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Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.11	18.47	18.54	19.50
		MID	QPSK	18.45	18.59	18.62	19.50
		HIGH	QPSK	18.65	18.85	18.73	19.50
	3	LOW	QPSK	18.56	18.73	18.73	19.50
		MID	QPSK	18.74	18.62	18.85	19.50
		HIGH	QPSK	18.69	18.72	18.78	19.50
1.4	1	LOW	QPSK	18.54	18.65	18.70	19.50
	3	LOW	Q16	18.90	19.06	19.03	19.50
		MID	Q16	18.87	19.27	19.19	19.50
		HIGH	Q16	19.22	19.28	19.37	19.50
	3	LOW	Q16	18.54	18.57	18.70	19.50
		MID	Q16	18.63	18.75	18.80	19.50
1.4	1	HIGH	Q16	18.84	18.93	18.94	19.50
	3	LOW	Q16	18.82	18.64	18.90	19.50
		MID	64QAM	19.09	19.19	19.09	19.50
		HIGH	64QAM	19.02	19.28	19.22	19.50
	3	LOW	64QAM	19.11	19.20	19.25	19.50
		MID	64QAM	18.71	18.86	18.73	19.50
1.4	1	HIGH	64QAM	18.73	18.60	18.98	19.50
	3	LOW	64QAM	18.78	18.87	18.74	19.50
		HIGH	64QAM	18.76	18.70	18.77	19.50
	3	LOW	64QAM	18.76	18.70	18.77	19.50
	3	LOW	64QAM	18.76	18.70	18.77	19.50
		HIGH	64QAM	18.76	18.70	18.77	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	19.17	18.67	18.63	19.50
		MID	QPSK	18.57	18.67	18.67	19.50
		HIGH	QPSK	18.63	18.87	18.68	19.50
	8	LOW	QPSK	18.55	18.50	18.57	19.50
		MID	QPSK	18.56	18.59	18.69	19.50
		HIGH	QPSK	18.78	18.69	18.90	19.50
3	15	LOW	QPSK	18.84	18.75	18.93	19.50
	1	LOW	Q16	18.84	18.75	18.93	19.50
		MID	Q16	18.95	19.20	19.11	19.50
	8	HIGH	Q16	18.99	19.31	19.22	19.50
		LOW	Q16	19.09	19.22	19.35	19.50
		MID	Q16	18.63	18.86	18.61	19.50
3	8	LOW	Q16	18.72	18.86	18.87	19.50
	15	HIGH	Q16	18.82	18.77	18.85	19.50
		LOW	Q16	18.73	18.76	18.80	19.50
	1	LOW	64QAM	18.95	19.00	19.13	19.50
		MID	64QAM	18.86	19.35	19.00	19.50
		HIGH	64QAM	19.16	19.31	19.33	19.50
3	8	LOW	64QAM	18.56	18.64	18.74	19.50
	15	MID	64QAM	18.70	18.78	18.83	19.50
		HIGH	64QAM	18.58	18.97	18.79	19.50
	15	LOW	64QAM	18.75	18.64	18.67	19.50
		MID	64QAM	18.75	18.64	18.67	19.50
		HIGH	64QAM	18.75	18.64	18.67	19.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	19.08	18.51	18.56	19.50
		MID	QPSK	18.41	18.77	18.59	19.50
		HIGH	QPSK	18.76	18.63	18.72	19.50
	12	LOW	QPSK	18.48	18.64	18.77	19.50
		MID	QPSK	18.83	18.85	18.88	19.50
		HIGH	QPSK	18.70	18.95	18.93	19.50
	25	LOW	QPSK	18.82	18.64	18.86	19.50
5	1	LOW	Q16	19.00	18.96	19.11	19.50
		MID	Q16	19.10	19.25	19.22	19.50
		HIGH	Q16	19.25	19.18	19.23	19.50
	12	LOW	Q16	18.60	18.80	18.62	19.50
		MID	Q16	18.63	18.87	18.91	19.50
		HIGH	Q16	18.76	18.73	18.74	19.50
	25	LOW	Q16	18.77	18.84	18.90	19.50
5	1	LOW	64QAM	18.90	19.02	19.22	19.50
		MID	64QAM	19.03	19.31	19.06	19.50
		HIGH	64QAM	19.19	19.22	19.22	19.50
	12	LOW	64QAM	18.68	18.74	18.73	19.50
		MID	64QAM	18.54	18.62	18.90	19.50
		HIGH	64QAM	18.75	18.95	19.01	19.50
	25	LOW	64QAM	18.83	18.92	18.68	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	18.99	18.67	18.62	19.50
		MID	QPSK	18.57	18.82	18.68	19.50
		HIGH	QPSK	18.64	18.87	18.79	19.50
	25	LOW	QPSK	18.56	18.69	18.59	19.50
		MID	QPSK	18.64	18.64	18.90	19.50
		HIGH	QPSK	18.60	18.76	18.70	19.50
	50	LOW	QPSK	18.76	18.67	18.63	19.50
10	1	LOW	Q16	19.01	19.04	19.26	19.50
		MID	Q16	19.10	19.28	19.25	19.50
		HIGH	Q16	19.07	19.31	19.16	19.50
	25	LOW	Q16	18.68	18.70	18.63	19.50
		MID	Q16	18.52	18.64	18.94	19.50
		HIGH	Q16	18.54	18.83	18.88	19.50
	50	LOW	Q16	18.67	18.82	18.76	19.50
10	1	LOW	64QAM	18.90	19.13	19.32	19.50
		MID	64QAM	18.94	19.08	19.02	19.50
		HIGH	64QAM	19.25	19.47	19.30	19.50
	25	LOW	64QAM	18.55	18.57	18.67	19.50
		MID	64QAM	18.80	18.64	19.00	19.50
		HIGH	64QAM	18.54	18.96	18.99	19.50
	50	LOW	64QAM	18.81	18.92	18.73	19.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.02	18.39	18.67	19.50
		MID	QPSK	18.55	18.53	18.82	19.50
		HIGH	QPSK	18.53	18.88	18.77	19.50
	36	LOW	QPSK	18.50	18.67	18.79	19.50
		MID	QPSK	18.58	18.86	18.77	19.50
		HIGH	QPSK	18.84	18.74	18.97	19.50
	75	LOW	QPSK	18.79	18.70	18.67	19.50
15	1	LOW	Q16	18.95	18.99	19.17	19.50
		MID	Q16	18.95	19.36	19.07	19.50
		HIGH	Q16	19.00	19.18	19.36	19.50
	36	LOW	Q16	18.69	18.70	18.63	19.50
		MID	Q16	18.70	18.76	18.97	19.50
		HIGH	Q16	18.55	18.75	18.94	19.50
	75	LOW	Q16	18.66	18.85	18.68	19.50
15	1	LOW	64QAM	19.14	19.03	19.11	19.50
		MID	64QAM	18.96	19.11	19.11	19.50
		HIGH	64QAM	18.99	19.18	19.29	19.50
	36	LOW	64QAM	18.66	18.73	18.73	19.50
		MID	64QAM	18.57	18.82	18.78	19.50
		HIGH	64QAM	18.61	18.69	18.87	19.50
	75	LOW	64QAM	18.75	18.73	18.93	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	18.68	18.52	19.04	19.50
		MID	QPSK	18.72	18.67	18.50	19.50
		HIGH	QPSK	18.79	18.73	18.67	19.50
	50	LOW	QPSK	18.60	18.65	18.68	19.50
		MID	QPSK	18.70	18.71	18.80	19.50
		HIGH	QPSK	18.70	18.81	18.85	19.50
	100	LOW	QPSK	18.69	18.71	18.78	19.50
20	1	LOW	Q16	19.02	19.06	19.17	19.50
		MID	Q16	19.00	19.21	19.15	19.50
		HIGH	Q16	19.12	19.33	19.23	19.50
	50	LOW	Q16	18.56	18.72	18.75	19.50
		MID	Q16	18.65	18.73	18.85	19.50
		HIGH	Q16	18.69	18.84	18.86	19.50
	100	LOW	Q16	18.73	18.77	18.82	19.50
20	1	LOW	64QAM	19.10	19.12	19.26	19.50
		MID	64QAM	18.96	19.18	19.25	19.50
		HIGH	64QAM	19.15	19.27	19.16	19.50
	50	LOW	64QAM	18.52	18.74	18.62	19.50
		MID	64QAM	18.58	18.77	18.92	19.50
		HIGH	64QAM	18.65	18.79	18.77	19.50
	100	LOW	64QAM	18.60	18.89	18.97	19.50

LTE B4-State 19 -Ant.0							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.11	18.47	18.54	19.50
		MID	QPSK	18.45	18.59	18.62	19.50
		HIGH	QPSK	18.65	18.85	18.73	19.50
	3	LOW	QPSK	18.56	18.73	18.73	19.50
		MID	QPSK	18.74	18.62	18.85	19.50
		HIGH	QPSK	18.69	18.72	18.78	19.50
1.4	1	LOW	QPSK	18.54	18.65	18.70	19.50
	3	LOW	Q16	18.90	19.06	19.03	19.50
		MID	Q16	18.87	19.27	19.19	19.50
		HIGH	Q16	19.22	19.28	19.37	19.50
	3	LOW	Q16	18.54	18.57	18.70	19.50
		MID	Q16	18.63	18.75	18.80	19.50
1.4	3	HIGH	Q16	18.84	18.93	18.94	19.50
	6	LOW	Q16	18.82	18.64	18.90	19.50
	6	LOW	64QAM	19.09	19.19	19.09	19.50
	6	MID	64QAM	19.02	19.28	19.22	19.50
	6	HIGH	64QAM	19.11	19.20	19.25	19.50
	6	LOW	64QAM	18.71	18.86	18.73	19.50
1.4	3	MID	64QAM	18.73	18.60	18.98	19.50
	3	HIGH	64QAM	18.78	18.87	18.74	19.50
	6	LOW	64QAM	18.76	18.70	18.77	19.50
3	1	LOW	QPSK	19.17	18.67	18.63	19.50
	1	MID	QPSK	18.57	18.67	18.67	19.50
	1	HIGH	QPSK	18.63	18.87	18.68	19.50
	8	LOW	QPSK	18.55	18.50	18.57	19.50
	8	MID	QPSK	18.56	18.59	18.69	19.50
	8	HIGH	QPSK	18.78	18.69	18.90	19.50
3	15	LOW	QPSK	18.84	18.75	18.93	19.50
	1	LOW	Q16	18.95	19.20	19.11	19.50
	1	MID	Q16	18.99	19.31	19.22	19.50
	8	HIGH	Q16	19.09	19.22	19.35	19.50
	8	LOW	Q16	18.63	18.86	18.61	19.50
	8	MID	Q16	18.72	18.86	18.87	19.50
3	15	HIGH	Q16	18.82	18.77	18.85	19.50
	15	LOW	Q16	18.73	18.76	18.80	19.50
	1	LOW	64QAM	18.95	19.00	19.13	19.50
	1	MID	64QAM	18.86	19.35	19.00	19.50
	8	HIGH	64QAM	19.16	19.31	19.33	19.50
	8	LOW	64QAM	18.56	18.64	18.74	19.50
3	15	MID	64QAM	18.70	18.78	18.83	19.50
	15	HIGH	64QAM	18.58	18.97	18.79	19.50
	15	LOW	64QAM	18.75	18.64	18.67	19.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	19.08	18.51	18.56	19.50
		MID	QPSK	18.41	18.77	18.59	19.50
		HIGH	QPSK	18.76	18.63	18.72	19.50
	12	LOW	QPSK	18.48	18.64	18.77	19.50
		MID	QPSK	18.83	18.85	18.88	19.50
		HIGH	QPSK	18.70	18.95	18.93	19.50
	25	LOW	QPSK	18.82	18.64	18.86	19.50
5	1	LOW	Q16	19.00	18.96	19.11	19.50
		MID	Q16	19.10	19.25	19.22	19.50
		HIGH	Q16	19.25	19.18	19.23	19.50
	12	LOW	Q16	18.60	18.80	18.62	19.50
		MID	Q16	18.63	18.87	18.91	19.50
		HIGH	Q16	18.76	18.73	18.74	19.50
	25	LOW	Q16	18.77	18.84	18.90	19.50
5	1	LOW	64QAM	18.90	19.02	19.22	19.50
		MID	64QAM	19.03	19.31	19.06	19.50
		HIGH	64QAM	19.19	19.22	19.22	19.50
	12	LOW	64QAM	18.68	18.74	18.73	19.50
		MID	64QAM	18.54	18.62	18.90	19.50
		HIGH	64QAM	18.75	18.95	19.01	19.50
	25	LOW	64QAM	18.83	18.92	18.68	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	18.99	18.67	18.62	19.50
		MID	QPSK	18.57	18.82	18.68	19.50
		HIGH	QPSK	18.64	18.87	18.79	19.50
	25	LOW	QPSK	18.56	18.69	18.59	19.50
		MID	QPSK	18.64	18.64	18.90	19.50
		HIGH	QPSK	18.60	18.76	18.70	19.50
	50	LOW	QPSK	18.76	18.67	18.63	19.50
10	1	LOW	Q16	19.01	19.04	19.26	19.50
		MID	Q16	19.10	19.28	19.25	19.50
		HIGH	Q16	19.07	19.31	19.16	19.50
	25	LOW	Q16	18.68	18.70	18.63	19.50
		MID	Q16	18.52	18.64	18.94	19.50
		HIGH	Q16	18.54	18.83	18.88	19.50
	50	LOW	Q16	18.67	18.82	18.76	19.50
10	1	LOW	64QAM	18.90	19.13	19.32	19.50
		MID	64QAM	18.94	19.08	19.02	19.50
		HIGH	64QAM	19.25	19.47	19.30	19.50
	25	LOW	64QAM	18.55	18.57	18.67	19.50
		MID	64QAM	18.80	18.64	19.00	19.50
		HIGH	64QAM	18.54	18.96	18.99	19.50
	50	LOW	64QAM	18.81	18.92	18.73	19.50

Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.02	18.39	18.67	19.50
		MID	QPSK	18.55	18.53	18.82	19.50
		HIGH	QPSK	18.53	18.88	18.77	19.50
	36	LOW	QPSK	18.50	18.67	18.79	19.50
		MID	QPSK	18.58	18.86	18.77	19.50
		HIGH	QPSK	18.84	18.74	18.97	19.50
	75	LOW	QPSK	18.79	18.70	18.67	19.50
15	1	LOW	Q16	18.95	18.99	19.17	19.50
		MID	Q16	18.95	19.36	19.07	19.50
		HIGH	Q16	19.00	19.18	19.36	19.50
	36	LOW	Q16	18.69	18.70	18.63	19.50
		MID	Q16	18.70	18.76	18.97	19.50
		HIGH	Q16	18.55	18.75	18.94	19.50
	75	LOW	Q16	18.66	18.85	18.68	19.50
15	1	LOW	64QAM	19.14	19.03	19.11	19.50
		MID	64QAM	18.96	19.11	19.11	19.50
		HIGH	64QAM	18.99	19.18	19.29	19.50
	36	LOW	64QAM	18.66	18.73	18.73	19.50
		MID	64QAM	18.57	18.82	18.78	19.50
		HIGH	64QAM	18.61	18.69	18.87	19.50
	75	LOW	64QAM	18.75	18.73	18.93	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	18.68	18.52	19.04	19.50
		MID	QPSK	18.72	18.67	18.50	19.50
		HIGH	QPSK	18.79	18.73	18.67	19.50
	50	LOW	QPSK	18.60	18.65	18.68	19.50
		MID	QPSK	18.70	18.71	18.80	19.50
		HIGH	QPSK	18.70	18.81	18.85	19.50
	100	LOW	QPSK	18.69	18.71	18.78	19.50
20	1	LOW	Q16	19.02	19.06	19.17	19.50
		MID	Q16	19.00	19.21	19.15	19.50
		HIGH	Q16	19.12	19.33	19.23	19.50
	50	LOW	Q16	18.56	18.72	18.75	19.50
		MID	Q16	18.65	18.73	18.85	19.50
		HIGH	Q16	18.69	18.84	18.86	19.50
	100	LOW	Q16	18.73	18.77	18.82	19.50
20	1	LOW	64QAM	19.10	19.12	19.26	19.50
		MID	64QAM	18.96	19.18	19.25	19.50
		HIGH	64QAM	19.15	19.27	19.16	19.50
	50	LOW	64QAM	18.52	18.74	18.62	19.50
		MID	64QAM	18.58	18.77	18.92	19.50
		HIGH	64QAM	18.65	18.79	18.77	19.50
	100	LOW	64QAM	18.60	18.89	18.97	19.50