

8.3.3 LTE Band5 Output Power

LTE B5-State 12 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.34	22.79	23.08	24.50	
		MID	QPSK	22.87	23.01	23.38	24.50	
		HIGH	QPSK	23.00	22.83	23.29	24.50	
	3	LOW	QPSK	23.14	22.95	23.16	24.50	
		MID	QPSK	23.32	23.09	22.82	24.50	
		HIGH	QPSK	23.19	23.05	23.00	24.50	
	6	LOW	QPSK	22.24	22.06	22.08	23.50	
	1.4	1	LOW	Q16	22.32	22.55	21.87	23.50
			MID	Q16	21.99	22.64	22.14	23.50
HIGH			Q16	22.14	22.74	22.36	23.50	
3		LOW	Q16	21.74	22.50	21.99	23.50	
		MID	Q16	22.21	22.43	22.17	23.50	
		HIGH	Q16	22.27	22.30	22.10	23.50	
6		LOW	Q16	21.34	21.48	21.17	22.50	
1.4		1	LOW	64QAM	21.47	21.74	21.10	22.50
			MID	64QAM	21.28	21.28	21.07	22.50
	HIGH		64QAM	20.77	21.68	20.84	22.50	
	3	LOW	64QAM	21.21	21.48	20.96	22.50	
		MID	64QAM	21.53	21.70	21.10	22.50	
		HIGH	64QAM	21.11	21.30	21.11	22.50	
	6	LOW	64QAM	20.05	19.91	20.34	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.04	23.27	23.05	24.50
MID			QPSK	23.03	23.02	23.00	24.50	
HIGH			QPSK	23.17	22.94	22.87	24.50	
8		LOW	QPSK	22.18	22.29	22.19	23.50	
		MID	QPSK	22.56	22.39	22.10	23.50	
		HIGH	QPSK	22.33	22.27	22.21	23.50	
15		LOW	QPSK	22.49	22.35	22.06	23.50	
3		1	LOW	Q16	22.07	22.58	22.16	23.50
			MID	Q16	22.28	22.74	22.21	23.50
	HIGH		Q16	22.34	22.70	22.20	23.50	
	8	LOW	Q16	21.37	21.40	21.26	22.50	
		MID	Q16	21.30	21.34	21.42	22.50	
		HIGH	Q16	21.50	21.39	21.31	22.50	
	15	LOW	Q16	21.45	21.38	21.15	22.50	
	3	1	LOW	64QAM	21.10	21.81	21.27	22.50
			MID	64QAM	21.18	21.43	21.09	22.50
HIGH			64QAM	21.10	21.65	21.25	22.50	
8		LOW	64QAM	20.21	20.36	20.10	21.50	
		MID	64QAM	20.15	20.34	20.56	21.50	
		HIGH	64QAM	20.25	20.12	20.45	21.50	
15		LOW	64QAM	20.21	20.11	20.16	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.25	23.06	22.96	24.50	
		MID	QPSK	23.34	23.25	23.10	24.50	
		HIGH	QPSK	22.98	23.17	22.89	24.50	
	12	LOW	QPSK	22.27	22.31	22.25	23.50	
		MID	QPSK	22.41	22.50	22.19	23.50	
		HIGH	QPSK	22.48	22.25	22.32	23.50	
	25	LOW	QPSK	22.35	22.22	22.15	23.50	
	5	1	LOW	Q16	22.07	22.47	22.14	23.50
			MID	Q16	22.30	22.64	22.23	23.50
HIGH			Q16	22.25	22.60	21.96	23.50	
12		LOW	Q16	21.24	21.38	21.12	22.50	
		MID	Q16	21.39	21.28	21.42	22.50	
		HIGH	Q16	21.35	21.24	21.38	22.50	
25		LOW	Q16	21.37	21.19	21.21	22.50	
5		1	LOW	64QAM	21.31	21.81	20.97	22.50
			MID	64QAM	21.35	21.41	21.05	22.50
	HIGH		64QAM	21.20	21.74	20.97	22.50	
	12	LOW	64QAM	20.43	20.22	20.16	21.50	
		MID	64QAM	20.41	20.28	20.52	21.50	
		HIGH	64QAM	20.29	20.22	20.45	21.50	
	25	LOW	64QAM	20.19	20.11	20.38	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.30	23.28	23.19	24.50
MID			QPSK	23.29	23.18	23.19	24.50	
HIGH			QPSK	23.24	23.15	23.12	24.50	
25		LOW	QPSK	22.36	22.33	22.32	23.50	
		MID	QPSK	22.45	22.43	22.35	23.50	
		HIGH	QPSK	22.44	22.38	22.30	23.50	
50		LOW	QPSK	22.42	22.33	22.28	23.50	
10		1	LOW	Q16	22.25	22.67	22.23	23.50
			MID	Q16	22.26	22.69	22.23	23.50
	HIGH		Q16	22.25	22.65	22.18	23.50	
	25	LOW	Q16	21.39	21.36	21.35	22.50	
		MID	Q16	21.52	21.47	21.48	22.50	
		HIGH	Q16	21.46	21.41	21.44	22.50	
	50	LOW	Q16	21.43	21.38	21.34	22.50	
	10	1	LOW	64QAM	21.32	21.47	21.23	22.50
			MID	64QAM	21.10	21.53	20.99	22.50
HIGH			64QAM	21.34	21.60	20.98	22.50	
25		LOW	64QAM	20.35	20.32	20.22	21.50	
		MID	64QAM	20.46	20.53	20.59	21.50	
		HIGH	64QAM	20.37	20.17	20.23	21.50	
50		LOW	64QAM	20.47	20.49	20.28	21.50	

LTE B5-State 16 -Ant.1									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)		
1.4	1	LOW	QPSK	21.63	21.56	21.53	23.00		
		MID	QPSK	21.47	21.65	21.35	23.00		
		HIGH	QPSK	21.54	21.35	21.36	23.00		
	3	LOW	QPSK	21.42	21.46	21.51	23.00		
		MID	QPSK	21.61	21.68	21.47	23.00		
		HIGH	QPSK	21.68	21.62	21.47	23.00		
	6	LOW	QPSK	21.64	21.61	21.72	23.00		
	1.4	1	LOW	Q16	21.48	21.81	21.54	23.00	
			MID	Q16	21.55	22.08	21.74	23.00	
HIGH			Q16	21.42	21.94	21.45	23.00		
3		LOW	Q16	21.43	21.44	21.60	22.50		
		MID	Q16	21.53	21.46	21.35	22.50		
		HIGH	Q16	21.41	21.61	21.38	22.50		
6		LOW	Q16	21.46	21.56	21.50	22.50		
1.4		1	LOW	64QAM	21.09	21.33	21.06	22.50	
			MID	64QAM	21.12	21.50	21.18	22.50	
	HIGH		64QAM	20.83	21.36	21.05	22.50		
	3	LOW	64QAM	21.38	21.30	21.58	22.50		
		MID	64QAM	21.61	21.31	21.40	22.50		
		HIGH	64QAM	21.43	21.68	21.37	22.50		
	6	LOW	64QAM	20.58	20.70	20.42	21.50		
	3	3	1	LOW	QPSK	21.54	21.57	21.63	23.00
				MID	QPSK	21.40	21.59	21.64	23.00
HIGH				QPSK	21.51	21.44	21.47	23.00	
8			LOW	QPSK	21.59	21.49	21.54	23.00	
			MID	QPSK	21.70	21.82	21.46	23.00	
			HIGH	QPSK	21.58	21.71	21.68	23.00	
15			LOW	QPSK	21.64	21.57	21.70	23.00	
3			1	LOW	Q16	21.46	22.03	21.63	23.00
				MID	Q16	21.37	22.10	21.60	23.00
		HIGH		Q16	21.35	21.86	21.62	23.00	
		8	LOW	Q16	21.44	21.36	21.44	22.50	
			MID	Q16	21.43	21.66	21.46	22.50	
			HIGH	Q16	21.40	21.57	21.41	22.50	
		15	LOW	Q16	21.36	21.38	21.41	22.50	
		3	1	LOW	64QAM	20.87	21.33	21.11	22.50
				MID	64QAM	20.82	21.55	20.96	22.50
HIGH				64QAM	20.98	21.50	20.86	22.50	
8			LOW	64QAM	20.57	20.60	20.43	21.50	
	MID		64QAM	20.51	20.51	20.35	21.50		
	HIGH		64QAM	20.58	20.50	20.64	21.50		
15	LOW		64QAM	20.44	20.38	20.28	21.50		

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	21.41	21.39	21.56	23.00	
		MID	QPSK	21.62	21.50	21.53	23.00	
		HIGH	QPSK	21.37	21.44	21.29	23.00	
	12	LOW	QPSK	21.40	21.52	21.43	23.00	
		MID	QPSK	21.55	21.56	21.49	23.00	
		HIGH	QPSK	21.50	21.59	21.73	23.00	
	25	LOW	QPSK	21.61	21.58	21.61	23.00	
	5	1	LOW	Q16	21.45	21.97	21.50	23.00
			MID	Q16	21.45	22.07	21.60	23.00
HIGH			Q16	21.63	21.88	21.36	23.00	
12		LOW	Q16	21.43	21.43	21.56	22.50	
		MID	Q16	21.48	21.56	21.35	22.50	
		HIGH	Q16	21.36	21.59	21.44	22.50	
25		LOW	Q16	21.50	21.48	21.58	22.50	
5		1	LOW	64QAM	21.04	21.50	21.03	22.50
			MID	64QAM	21.05	21.59	21.20	22.50
	HIGH		64QAM	20.88	21.36	20.91	22.50	
	12	LOW	64QAM	20.59	20.41	20.51	21.50	
		MID	64QAM	20.52	20.41	20.59	21.50	
		HIGH	64QAM	20.59	20.44	20.57	21.50	
	25	LOW	64QAM	20.45	20.52	20.45	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	21.53	21.48	21.50	23.00
MID			QPSK	21.47	21.51	21.49	23.00	
HIGH			QPSK	21.48	21.45	21.44	23.00	
25		LOW	QPSK	21.55	21.59	21.55	23.00	
		MID	QPSK	21.69	21.64	21.58	23.00	
		HIGH	QPSK	21.62	21.66	21.61	23.00	
50		LOW	QPSK	21.69	21.61	21.57	23.00	
10		1	LOW	Q16	21.52	21.94	21.52	23.00
			MID	Q16	21.45	22.01	21.60	23.00
	HIGH		Q16	21.49	21.91	21.49	23.00	
	25	LOW	Q16	21.45	21.48	21.50	22.50	
		MID	Q16	21.57	21.51	21.47	22.50	
		HIGH	Q16	21.48	21.53	21.52	22.50	
	50	LOW	Q16	21.48	21.43	21.43	22.50	
	10	1	LOW	64QAM	20.97	21.43	21.03	22.50
			MID	64QAM	20.86	21.53	21.04	22.50
HIGH			64QAM	20.96	21.42	21.11	22.50	
25		LOW	64QAM	20.36	20.63	20.48	21.50	
		MID	64QAM	20.71	20.48	20.47	21.50	
		HIGH	64QAM	20.39	20.41	20.50	21.50	
50		LOW	64QAM	20.37	20.48	20.31	21.50	

LTE B5-State 18 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	15.41	15.66	15.62	17.00	
		MID	QPSK	15.65	15.38	15.57	17.00	
		HIGH	QPSK	15.63	15.54	15.39	17.00	
	3	LOW	QPSK	15.68	15.63	15.52	17.00	
		MID	QPSK	15.74	15.82	15.71	17.00	
		HIGH	QPSK	15.61	15.83	15.55	17.00	
	6	LOW	QPSK	15.75	15.75	15.48	17.00	
	1.4	1	LOW	Q16	15.71	16.05	15.54	17.00
			MID	Q16	15.63	15.94	15.62	17.00
HIGH			Q16	15.58	16.03	15.65	17.00	
3		LOW	Q16	15.83	15.63	15.70	17.00	
		MID	Q16	15.70	15.95	15.62	17.00	
		HIGH	Q16	15.59	15.77	15.76	17.00	
6		LOW	Q16	15.65	15.78	15.80	17.00	
1.4		1	LOW	64QAM	15.56	16.04	15.70	17.00
			MID	64QAM	15.67	15.93	15.48	17.00
	HIGH		64QAM	15.42	16.09	15.59	17.00	
	3	LOW	64QAM	15.79	15.59	15.68	17.00	
		MID	64QAM	15.93	15.95	15.70	17.00	
		HIGH	64QAM	15.71	15.84	15.79	17.00	
	6	LOW	64QAM	15.69	15.73	15.73	17.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	15.47	15.70	15.48	17.00
MID			QPSK	15.47	15.43	15.42	17.00	
HIGH			QPSK	15.45	15.59	15.44	17.00	
8		LOW	QPSK	15.63	15.54	15.73	17.00	
		MID	QPSK	15.83	15.71	15.49	17.00	
		HIGH	QPSK	15.60	15.58	15.56	17.00	
15		LOW	QPSK	15.73	15.58	15.73	17.00	
3		1	LOW	Q16	15.65	16.21	15.56	17.00
			MID	Q16	15.42	15.93	15.53	17.00
	HIGH		Q16	15.59	16.06	15.57	17.00	
	8	LOW	Q16	15.79	15.81	15.78	17.00	
		MID	Q16	15.65	15.66	15.65	17.00	
		HIGH	Q16	15.79	15.89	15.65	17.00	
	15	LOW	Q16	15.60	15.58	15.76	17.00	
	3	1	LOW	64QAM	15.57	15.91	15.73	17.00
			MID	64QAM	15.61	16.12	15.58	17.00
HIGH			64QAM	15.48	16.10	15.55	17.00	
8		LOW	64QAM	15.69	15.65	15.76	17.00	
		MID	64QAM	15.64	15.89	15.82	17.00	
		HIGH	64QAM	15.87	15.65	15.83	17.00	
15		LOW	64QAM	15.59	15.53	15.80	17.00	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	15.56	15.52	15.45	17.00	
		MID	QPSK	15.47	15.49	15.42	17.00	
		HIGH	QPSK	15.48	15.43	15.55	17.00	
	12	LOW	QPSK	15.78	15.80	15.59	17.00	
		MID	QPSK	15.56	15.64	15.67	17.00	
		HIGH	QPSK	15.75	15.65	15.67	17.00	
	25	LOW	QPSK	15.85	15.57	15.53	17.00	
	5	1	LOW	Q16	15.68	16.00	15.64	17.00
			MID	Q16	15.57	16.04	15.59	17.00
HIGH			Q16	15.40	16.01	15.46	17.00	
12		LOW	Q16	15.60	15.67	15.67	17.00	
		MID	Q16	15.76	15.78	15.76	17.00	
		HIGH	Q16	15.64	15.66	15.78	17.00	
25		LOW	Q16	15.65	15.64	15.58	17.00	
5		1	LOW	64QAM	15.44	16.21	15.77	17.00
			MID	64QAM	15.42	15.86	15.73	17.00
	HIGH		64QAM	15.55	16.16	15.64	17.00	
	12	LOW	64QAM	15.82	15.81	15.79	17.00	
		MID	64QAM	15.85	15.85	15.75	17.00	
		HIGH	64QAM	15.63	15.93	15.68	17.00	
	25	LOW	64QAM	15.67	15.58	15.79	17.00	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	15.57	15.56	15.52	17.00
MID			QPSK	15.53	15.53	15.56	17.00	
HIGH			QPSK	15.54	15.55	15.51	17.00	
25		LOW	QPSK	15.65	15.66	15.62	17.00	
		MID	QPSK	15.74	15.71	15.64	17.00	
		HIGH	QPSK	15.70	15.74	15.69	17.00	
50	LOW	QPSK	15.70	15.62	15.60	17.00		
10	1	LOW	Q16	15.58	16.06	15.62	17.00	
		MID	Q16	15.52	16.01	15.60	17.00	
		HIGH	Q16	15.49	16.06	15.53	17.00	
	25	LOW	Q16	15.71	15.72	15.76	17.00	
		MID	Q16	15.78	15.80	15.74	17.00	
		HIGH	Q16	15.73	15.79	15.74	17.00	
	50	LOW	Q16	15.71	15.67	15.66	17.00	
	10	1	LOW	64QAM	15.51	15.92	15.58	17.00
			MID	64QAM	15.46	16.01	15.60	17.00
HIGH			64QAM	15.50	15.94	15.68	17.00	
25		LOW	64QAM	15.71	15.87	15.84	17.00	
		MID	64QAM	15.85	15.79	15.79	17.00	
		HIGH	64QAM	15.88	15.78	15.60	17.00	
50		LOW	64QAM	15.81	15.53	15.53	17.00	

LTE B5-State 20 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	15.41	15.66	15.62	17.00	
		MID	QPSK	15.65	15.38	15.57	17.00	
		HIGH	QPSK	15.63	15.54	15.39	17.00	
	3	LOW	QPSK	15.68	15.63	15.52	17.00	
		MID	QPSK	15.74	15.82	15.71	17.00	
		HIGH	QPSK	15.61	15.83	15.55	17.00	
	6	LOW	QPSK	15.75	15.75	15.48	17.00	
	1.4	1	LOW	Q16	15.71	16.05	15.54	17.00
			MID	Q16	15.63	15.94	15.62	17.00
HIGH			Q16	15.58	16.03	15.65	17.00	
3		LOW	Q16	15.83	15.63	15.70	17.00	
		MID	Q16	15.70	15.95	15.62	17.00	
		HIGH	Q16	15.59	15.77	15.76	17.00	
6		LOW	Q16	15.65	15.78	15.80	17.00	
1.4		1	LOW	64QAM	15.56	16.04	15.70	17.00
			MID	64QAM	15.67	15.93	15.48	17.00
	HIGH		64QAM	15.42	16.09	15.59	17.00	
	3	LOW	64QAM	15.79	15.59	15.68	17.00	
		MID	64QAM	15.93	15.95	15.70	17.00	
		HIGH	64QAM	15.71	15.84	15.79	17.00	
	6	LOW	64QAM	15.69	15.73	15.73	17.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	15.47	15.70	15.48	17.00
MID			QPSK	15.47	15.43	15.42	17.00	
HIGH			QPSK	15.45	15.59	15.44	17.00	
8		LOW	QPSK	15.63	15.54	15.73	17.00	
		MID	QPSK	15.83	15.71	15.49	17.00	
		HIGH	QPSK	15.60	15.58	15.56	17.00	
15		LOW	QPSK	15.73	15.58	15.73	17.00	
3		1	LOW	Q16	15.65	16.21	15.56	17.00
			MID	Q16	15.42	15.93	15.53	17.00
	HIGH		Q16	15.59	16.06	15.57	17.00	
	8	LOW	Q16	15.79	15.81	15.78	17.00	
		MID	Q16	15.65	15.66	15.65	17.00	
		HIGH	Q16	15.79	15.89	15.65	17.00	
	15	LOW	Q16	15.60	15.58	15.76	17.00	
	3	1	LOW	64QAM	15.57	15.91	15.73	17.00
			MID	64QAM	15.61	16.12	15.58	17.00
HIGH			64QAM	15.48	16.10	15.55	17.00	
8		LOW	64QAM	15.69	15.65	15.76	17.00	
		MID	64QAM	15.64	15.89	15.82	17.00	
		HIGH	64QAM	15.87	15.65	15.83	17.00	
15		LOW	64QAM	15.59	15.53	15.80	17.00	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	15.56	15.52	15.45	17.00	
		MID	QPSK	15.47	15.49	15.42	17.00	
		HIGH	QPSK	15.48	15.43	15.55	17.00	
	12	LOW	QPSK	15.78	15.80	15.59	17.00	
		MID	QPSK	15.56	15.64	15.67	17.00	
		HIGH	QPSK	15.75	15.65	15.67	17.00	
	25	LOW	QPSK	15.85	15.57	15.53	17.00	
	5	1	LOW	Q16	15.68	16.00	15.64	17.00
			MID	Q16	15.57	16.04	15.59	17.00
HIGH			Q16	15.40	16.01	15.46	17.00	
12		LOW	Q16	15.60	15.67	15.67	17.00	
		MID	Q16	15.76	15.78	15.76	17.00	
		HIGH	Q16	15.64	15.66	15.78	17.00	
25		LOW	Q16	15.65	15.64	15.58	17.00	
5		1	LOW	64QAM	15.44	16.21	15.77	17.00
			MID	64QAM	15.42	15.86	15.73	17.00
	HIGH		64QAM	15.55	16.16	15.64	17.00	
	12	LOW	64QAM	15.82	15.81	15.79	17.00	
		MID	64QAM	15.85	15.85	15.75	17.00	
		HIGH	64QAM	15.63	15.93	15.68	17.00	
	25	LOW	64QAM	15.67	15.58	15.79	17.00	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	15.56	15.57	15.52	17.00
MID			QPSK	15.53	15.53	15.56	17.00	
HIGH			QPSK	15.55	15.54	15.51	17.00	
25		LOW	QPSK	15.66	15.65	15.62	17.00	
		MID	QPSK	15.71	15.74	15.64	17.00	
		HIGH	QPSK	15.74	15.70	15.69	17.00	
50		LOW	QPSK	15.70	15.62	15.60	17.00	
10		1	LOW	Q16	15.58	16.06	15.62	17.00
			MID	Q16	15.52	16.01	15.60	17.00
	HIGH		Q16	15.49	16.06	15.53	17.00	
	25	LOW	Q16	15.71	15.72	15.76	17.00	
		MID	Q16	15.78	15.80	15.74	17.00	
		HIGH	Q16	15.73	15.79	15.74	17.00	
	50	LOW	Q16	15.71	15.67	15.66	17.00	
	10	1	LOW	64QAM	15.51	15.92	15.58	17.00
			MID	64QAM	15.46	16.01	15.60	17.00
HIGH			64QAM	15.50	15.94	15.68	17.00	
25		LOW	64QAM	15.71	15.87	15.84	17.00	
		MID	64QAM	15.85	15.79	15.79	17.00	
		HIGH	64QAM	15.88	15.78	15.60	17.00	
50		LOW	64QAM	15.81	15.53	15.53	17.00	

LTE B5-State 11-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.34	22.79	23.08	24.50	
		MID	QPSK	22.87	23.01	23.38	24.50	
		HIGH	QPSK	23.00	22.83	23.29	24.50	
	3	LOW	QPSK	23.14	22.95	23.16	24.50	
		MID	QPSK	23.32	23.09	22.82	24.50	
		HIGH	QPSK	23.19	23.05	23.00	24.50	
	6	LOW	QPSK	22.24	22.06	22.08	23.50	
	1.4	1	LOW	Q16	22.32	22.55	21.87	23.50
			MID	Q16	21.99	22.64	22.14	23.50
HIGH			Q16	22.14	22.74	22.36	23.50	
3		LOW	Q16	21.74	22.50	21.99	23.50	
		MID	Q16	22.21	22.43	22.17	23.50	
		HIGH	Q16	22.27	22.30	22.10	23.50	
6		LOW	Q16	21.34	21.48	21.17	22.50	
1.4		1	LOW	64QAM	21.47	21.74	21.10	22.50
			MID	64QAM	21.28	21.28	21.07	22.50
	HIGH		64QAM	20.77	21.68	20.84	22.50	
	3	LOW	64QAM	21.21	21.48	20.96	22.50	
		MID	64QAM	21.53	21.70	21.10	22.50	
		HIGH	64QAM	21.11	21.30	21.11	22.50	
	6	LOW	64QAM	20.05	19.91	20.34	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.04	23.27	23.05	24.50
MID			QPSK	23.03	23.02	23.00	24.50	
HIGH			QPSK	23.17	22.94	22.87	24.50	
8		LOW	QPSK	22.18	22.29	22.19	23.50	
		MID	QPSK	22.56	22.39	22.10	23.50	
		HIGH	QPSK	22.33	22.27	22.21	23.50	
15		LOW	QPSK	22.49	22.35	22.06	23.50	
3		1	LOW	Q16	22.07	22.58	22.16	23.50
			MID	Q16	22.28	22.74	22.21	23.50
	HIGH		Q16	22.34	22.70	22.20	23.50	
	8	LOW	Q16	21.37	21.40	21.26	22.50	
		MID	Q16	21.30	21.34	21.42	22.50	
		HIGH	Q16	21.50	21.39	21.31	22.50	
	15	LOW	Q16	21.45	21.38	21.15	22.50	
	3	1	LOW	64QAM	21.10	21.81	21.27	22.50
			MID	64QAM	21.18	21.43	21.09	22.50
HIGH			64QAM	21.10	21.65	21.25	22.50	
8		LOW	64QAM	20.21	20.36	20.10	21.50	
		MID	64QAM	20.15	20.34	20.56	21.50	
		HIGH	64QAM	20.25	20.12	20.45	21.50	
15		LOW	64QAM	20.21	20.11	20.16	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.25	23.06	22.96	24.50	
		MID	QPSK	23.34	23.25	23.10	24.50	
		HIGH	QPSK	22.98	23.17	22.89	24.50	
	12	LOW	QPSK	22.27	22.31	22.25	23.50	
		MID	QPSK	22.41	22.50	22.19	23.50	
		HIGH	QPSK	22.48	22.25	22.32	23.50	
	25	LOW	QPSK	22.35	22.22	22.15	23.50	
	5	1	LOW	Q16	22.07	22.47	22.14	23.50
			MID	Q16	22.30	22.64	22.23	23.50
HIGH			Q16	22.25	22.60	21.96	23.50	
12		LOW	Q16	21.24	21.38	21.12	22.50	
		MID	Q16	21.39	21.28	21.42	22.50	
		HIGH	Q16	21.35	21.24	21.38	22.50	
25		LOW	Q16	21.37	21.19	21.21	22.50	
5		1	LOW	64QAM	21.31	21.81	20.97	22.50
			MID	64QAM	21.35	21.41	21.05	22.50
	HIGH		64QAM	21.20	21.74	20.97	22.50	
	12	LOW	64QAM	20.43	20.22	20.16	21.50	
		MID	64QAM	20.41	20.28	20.52	21.50	
		HIGH	64QAM	20.29	20.22	20.45	21.50	
	25	LOW	64QAM	20.19	20.11	20.38	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.30	23.28	23.19	24.50
MID			QPSK	23.29	23.18	23.19	24.50	
HIGH			QPSK	23.24	23.15	23.12	24.50	
25		LOW	QPSK	22.36	22.33	22.32	23.50	
		MID	QPSK	22.45	22.43	22.35	23.50	
		HIGH	QPSK	22.44	22.38	22.30	23.50	
50		LOW	QPSK	22.42	22.33	22.28	23.50	
10		1	LOW	Q16	22.25	22.67	22.23	23.50
			MID	Q16	22.26	22.69	22.23	23.50
	HIGH		Q16	22.25	22.65	22.18	23.50	
	25	LOW	Q16	21.39	21.36	21.35	22.50	
		MID	Q16	21.52	21.47	21.48	22.50	
		HIGH	Q16	21.46	21.41	21.44	22.50	
	50	LOW	Q16	21.43	21.38	21.34	22.50	
	10	1	LOW	64QAM	21.32	21.47	21.23	22.50
			MID	64QAM	21.10	21.53	20.99	22.50
HIGH			64QAM	21.34	21.60	20.98	22.50	
25		LOW	64QAM	20.35	20.32	20.22	21.50	
		MID	64QAM	20.46	20.53	20.59	21.50	
		HIGH	64QAM	20.37	20.17	20.23	21.50	
50		LOW	64QAM	20.47	20.49	20.28	21.50	

LTE B5-State 15 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.34	22.79	23.08	24.50	
		MID	QPSK	22.87	23.01	23.38	24.50	
		HIGH	QPSK	23.00	22.83	23.29	24.50	
	3	LOW	QPSK	23.14	22.95	23.16	24.50	
		MID	QPSK	23.32	23.09	22.82	24.50	
		HIGH	QPSK	23.19	23.05	23.00	24.50	
	6	LOW	QPSK	22.24	22.06	22.08	23.50	
	1.4	1	LOW	Q16	22.32	22.55	21.87	23.50
			MID	Q16	21.99	22.64	22.14	23.50
HIGH			Q16	22.14	22.74	22.36	23.50	
3		LOW	Q16	21.74	22.50	21.99	23.50	
		MID	Q16	22.21	22.43	22.17	23.50	
		HIGH	Q16	22.27	22.30	22.10	23.50	
6		LOW	Q16	21.34	21.48	21.17	22.50	
1.4		1	LOW	64QAM	21.47	21.74	21.10	22.50
			MID	64QAM	21.28	21.28	21.07	22.50
	HIGH		64QAM	20.77	21.68	20.84	22.50	
	3	LOW	64QAM	21.21	21.48	20.96	22.50	
		MID	64QAM	21.53	21.70	21.10	22.50	
		HIGH	64QAM	21.11	21.30	21.11	22.50	
	6	LOW	64QAM	20.05	19.91	20.34	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.04	23.27	23.05	24.50
MID			QPSK	23.03	23.02	23.00	24.50	
HIGH			QPSK	23.17	22.94	22.87	24.50	
8		LOW	QPSK	22.18	22.29	22.19	23.50	
		MID	QPSK	22.56	22.39	22.10	23.50	
		HIGH	QPSK	22.33	22.27	22.21	23.50	
15		LOW	QPSK	22.49	22.35	22.06	23.50	
3		1	LOW	Q16	22.07	22.58	22.16	23.50
			MID	Q16	22.28	22.74	22.21	23.50
	HIGH		Q16	22.34	22.70	22.20	23.50	
	8	LOW	Q16	21.37	21.40	21.26	22.50	
		MID	Q16	21.30	21.34	21.42	22.50	
		HIGH	Q16	21.50	21.39	21.31	22.50	
	15	LOW	Q16	21.45	21.38	21.15	22.50	
	3	1	LOW	64QAM	21.10	21.81	21.27	22.50
			MID	64QAM	21.18	21.43	21.09	22.50
HIGH			64QAM	21.10	21.65	21.25	22.50	
8		LOW	64QAM	20.21	20.36	20.10	21.50	
		MID	64QAM	20.15	20.34	20.56	21.50	
		HIGH	64QAM	20.25	20.12	20.45	21.50	
15		LOW	64QAM	20.21	20.11	20.16	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.25	23.06	22.96	24.50	
		MID	QPSK	23.34	23.25	23.10	24.50	
		HIGH	QPSK	22.98	23.17	22.89	24.50	
	12	LOW	QPSK	22.27	22.31	22.25	23.50	
		MID	QPSK	22.41	22.50	22.19	23.50	
		HIGH	QPSK	22.48	22.25	22.32	23.50	
	25	LOW	QPSK	22.35	22.22	22.15	23.50	
	5	1	LOW	Q16	22.07	22.47	22.14	23.50
			MID	Q16	22.30	22.64	22.23	23.50
HIGH			Q16	22.25	22.60	21.96	23.50	
12		LOW	Q16	21.24	21.38	21.12	22.50	
		MID	Q16	21.39	21.28	21.42	22.50	
		HIGH	Q16	21.35	21.24	21.38	22.50	
25		LOW	Q16	21.37	21.19	21.21	22.50	
5		1	LOW	64QAM	21.31	21.81	20.97	22.50
			MID	64QAM	21.35	21.41	21.05	22.50
	HIGH		64QAM	21.20	21.74	20.97	22.50	
	12	LOW	64QAM	20.43	20.22	20.16	21.50	
		MID	64QAM	20.41	20.28	20.52	21.50	
		HIGH	64QAM	20.29	20.22	20.45	21.50	
	25	LOW	64QAM	20.19	20.11	20.38	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.30	23.28	23.19	24.50
MID			QPSK	23.29	23.18	23.19	24.50	
HIGH			QPSK	23.24	23.15	23.12	24.50	
25		LOW	QPSK	22.36	22.33	22.32	23.50	
		MID	QPSK	22.45	22.43	22.35	23.50	
		HIGH	QPSK	22.44	22.38	22.30	23.50	
50		LOW	QPSK	22.42	22.33	22.28	23.50	
10		1	LOW	Q16	22.25	22.67	22.23	23.50
			MID	Q16	22.26	22.69	22.23	23.50
	HIGH		Q16	22.25	22.65	22.18	23.50	
	25	LOW	Q16	21.39	21.36	21.35	22.50	
		MID	Q16	21.52	21.47	21.48	22.50	
		HIGH	Q16	21.46	21.41	21.44	22.50	
	50	LOW	Q16	21.43	21.38	21.34	22.50	
	10	1	LOW	64QAM	21.32	21.47	21.23	22.50
			MID	64QAM	21.10	21.53	20.99	22.50
HIGH			64QAM	21.34	21.60	20.98	22.50	
25		LOW	64QAM	20.35	20.32	20.22	21.50	
		MID	64QAM	20.46	20.53	20.59	21.50	
		HIGH	64QAM	20.37	20.17	20.23	21.50	
50		LOW	64QAM	20.47	20.49	20.28	21.50	

LTE B5-State 17 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.34	22.79	23.08	24.50	
		MID	QPSK	22.87	23.01	23.38	24.50	
		HIGH	QPSK	23.00	22.83	23.29	24.50	
	3	LOW	QPSK	23.14	22.95	23.16	24.50	
		MID	QPSK	23.32	23.09	22.82	24.50	
		HIGH	QPSK	23.19	23.05	23.00	24.50	
	6	LOW	QPSK	22.24	22.06	22.08	23.50	
	1.4	1	LOW	Q16	22.32	22.55	21.87	23.50
			MID	Q16	21.99	22.64	22.14	23.50
HIGH			Q16	22.14	22.74	22.36	23.50	
3		LOW	Q16	21.74	22.50	21.99	23.50	
		MID	Q16	22.21	22.43	22.17	23.50	
		HIGH	Q16	22.27	22.30	22.10	23.50	
6		LOW	Q16	21.34	21.48	21.17	22.50	
1.4		1	LOW	64QAM	21.47	21.74	21.10	22.50
			MID	64QAM	21.28	21.28	21.07	22.50
	HIGH		64QAM	20.77	21.68	20.84	22.50	
	3	LOW	64QAM	21.21	21.48	20.96	22.50	
		MID	64QAM	21.53	21.70	21.10	22.50	
		HIGH	64QAM	21.11	21.30	21.11	22.50	
	6	LOW	64QAM	20.05	19.91	20.34	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.04	23.27	23.05	24.50
MID			QPSK	23.03	23.02	23.00	24.50	
HIGH			QPSK	23.17	22.94	22.87	24.50	
8		LOW	QPSK	22.18	22.29	22.19	23.50	
		MID	QPSK	22.56	22.39	22.10	23.50	
		HIGH	QPSK	22.33	22.27	22.21	23.50	
15		LOW	QPSK	22.49	22.35	22.06	23.50	
3		1	LOW	Q16	22.07	22.58	22.16	23.50
			MID	Q16	22.28	22.74	22.21	23.50
	HIGH		Q16	22.34	22.70	22.20	23.50	
	8	LOW	Q16	21.37	21.40	21.26	22.50	
		MID	Q16	21.30	21.34	21.42	22.50	
		HIGH	Q16	21.50	21.39	21.31	22.50	
	15	LOW	Q16	21.45	21.38	21.15	22.50	
	3	1	LOW	64QAM	21.10	21.81	21.27	22.50
			MID	64QAM	21.18	21.43	21.09	22.50
HIGH			64QAM	21.10	21.65	21.25	22.50	
8		LOW	64QAM	20.21	20.36	20.10	21.50	
		MID	64QAM	20.15	20.34	20.56	21.50	
		HIGH	64QAM	20.25	20.12	20.45	21.50	
15		LOW	64QAM	20.21	20.11	20.16	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.25	23.06	22.96	24.50	
		MID	QPSK	23.34	23.25	23.10	24.50	
		HIGH	QPSK	22.98	23.17	22.89	24.50	
	12	LOW	QPSK	22.27	22.31	22.25	23.50	
		MID	QPSK	22.41	22.50	22.19	23.50	
		HIGH	QPSK	22.48	22.25	22.32	23.50	
	25	LOW	QPSK	22.35	22.22	22.15	23.50	
	5	1	LOW	Q16	22.07	22.47	22.14	23.50
			MID	Q16	22.30	22.64	22.23	23.50
HIGH			Q16	22.25	22.60	21.96	23.50	
12		LOW	Q16	21.24	21.38	21.12	22.50	
		MID	Q16	21.39	21.28	21.42	22.50	
		HIGH	Q16	21.35	21.24	21.38	22.50	
25		LOW	Q16	21.37	21.19	21.21	22.50	
5		1	LOW	64QAM	21.31	21.81	20.97	22.50
			MID	64QAM	21.35	21.41	21.05	22.50
	HIGH		64QAM	21.20	21.74	20.97	22.50	
	12	LOW	64QAM	20.43	20.22	20.16	21.50	
		MID	64QAM	20.41	20.28	20.52	21.50	
		HIGH	64QAM	20.29	20.22	20.45	21.50	
	25	LOW	64QAM	20.19	20.11	20.38	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.30	23.28	23.19	24.50
MID			QPSK	23.29	23.18	23.19	24.50	
HIGH			QPSK	23.24	23.15	23.12	24.50	
25		LOW	QPSK	22.36	22.33	22.32	23.50	
		MID	QPSK	22.45	22.43	22.35	23.50	
		HIGH	QPSK	22.44	22.38	22.30	23.50	
50		LOW	QPSK	22.42	22.33	22.28	23.50	
10		1	LOW	Q16	22.25	22.67	22.23	23.50
			MID	Q16	22.26	22.69	22.23	23.50
	HIGH		Q16	22.25	22.65	22.18	23.50	
	25	LOW	Q16	21.39	21.36	21.35	22.50	
		MID	Q16	21.52	21.47	21.48	22.50	
		HIGH	Q16	21.46	21.41	21.44	22.50	
	50	LOW	Q16	21.43	21.38	21.34	22.50	
	10	1	LOW	64QAM	21.32	21.47	21.23	22.50
			MID	64QAM	21.10	21.53	20.99	22.50
HIGH			64QAM	21.34	21.60	20.98	22.50	
25		LOW	64QAM	20.35	20.32	20.22	21.50	
		MID	64QAM	20.46	20.53	20.59	21.50	
		HIGH	64QAM	20.37	20.17	20.23	21.50	
50		LOW	64QAM	20.47	20.49	20.28	21.50	

LTE B5-State 19 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.34	22.79	23.08	24.50	
		MID	QPSK	22.87	23.01	23.38	24.50	
		HIGH	QPSK	23.00	22.83	23.29	24.50	
	3	LOW	QPSK	23.14	22.95	23.16	24.50	
		MID	QPSK	23.32	23.09	22.82	24.50	
		HIGH	QPSK	23.19	23.05	23.00	24.50	
	6	LOW	QPSK	22.24	22.06	22.08	23.50	
	1.4	1	LOW	Q16	22.32	22.55	21.87	23.50
			MID	Q16	21.99	22.64	22.14	23.50
HIGH			Q16	22.14	22.74	22.36	23.50	
3		LOW	Q16	21.74	22.50	21.99	23.50	
		MID	Q16	22.21	22.43	22.17	23.50	
		HIGH	Q16	22.27	22.30	22.10	23.50	
6		LOW	Q16	21.34	21.48	21.17	22.50	
1.4		1	LOW	64QAM	21.47	21.74	21.10	22.50
			MID	64QAM	21.28	21.28	21.07	22.50
	HIGH		64QAM	20.77	21.68	20.84	22.50	
	3	LOW	64QAM	21.21	21.48	20.96	22.50	
		MID	64QAM	21.53	21.70	21.10	22.50	
		HIGH	64QAM	21.11	21.30	21.11	22.50	
	6	LOW	64QAM	20.05	19.91	20.34	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.04	23.27	23.05	24.50
MID			QPSK	23.03	23.02	23.00	24.50	
HIGH			QPSK	23.17	22.94	22.87	24.50	
8		LOW	QPSK	22.18	22.29	22.19	23.50	
		MID	QPSK	22.56	22.39	22.10	23.50	
		HIGH	QPSK	22.33	22.27	22.21	23.50	
15		LOW	QPSK	22.49	22.35	22.06	23.50	
3		1	LOW	Q16	22.07	22.58	22.16	23.50
			MID	Q16	22.28	22.74	22.21	23.50
	HIGH		Q16	22.34	22.70	22.20	23.50	
	8	LOW	Q16	21.37	21.40	21.26	22.50	
		MID	Q16	21.30	21.34	21.42	22.50	
		HIGH	Q16	21.50	21.39	21.31	22.50	
	15	LOW	Q16	21.45	21.38	21.15	22.50	
	3	1	LOW	64QAM	21.10	21.81	21.27	22.50
			MID	64QAM	21.18	21.43	21.09	22.50
HIGH			64QAM	21.10	21.65	21.25	22.50	
8		LOW	64QAM	20.21	20.36	20.10	21.50	
		MID	64QAM	20.15	20.34	20.56	21.50	
		HIGH	64QAM	20.25	20.12	20.45	21.50	
15		LOW	64QAM	20.21	20.11	20.16	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.25	23.06	22.96	24.50	
		MID	QPSK	23.34	23.25	23.10	24.50	
		HIGH	QPSK	22.98	23.17	22.89	24.50	
	12	LOW	QPSK	22.27	22.31	22.25	23.50	
		MID	QPSK	22.41	22.50	22.19	23.50	
		HIGH	QPSK	22.48	22.25	22.32	23.50	
	25	LOW	QPSK	22.35	22.22	22.15	23.50	
	5	1	LOW	Q16	22.07	22.47	22.14	23.50
			MID	Q16	22.30	22.64	22.23	23.50
HIGH			Q16	22.25	22.60	21.96	23.50	
12		LOW	Q16	21.24	21.38	21.12	22.50	
		MID	Q16	21.39	21.28	21.42	22.50	
		HIGH	Q16	21.35	21.24	21.38	22.50	
25		LOW	Q16	21.37	21.19	21.21	22.50	
5		1	LOW	64QAM	21.31	21.81	20.97	22.50
			MID	64QAM	21.35	21.41	21.05	22.50
	HIGH		64QAM	21.20	21.74	20.97	22.50	
	12	LOW	64QAM	20.43	20.22	20.16	21.50	
		MID	64QAM	20.41	20.28	20.52	21.50	
		HIGH	64QAM	20.29	20.22	20.45	21.50	
	25	LOW	64QAM	20.19	20.11	20.38	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.30	23.28	23.19	24.50
MID			QPSK	23.29	23.18	23.19	24.50	
HIGH			QPSK	23.24	23.15	23.12	24.50	
25		LOW	QPSK	22.36	22.33	22.32	23.50	
		MID	QPSK	22.45	22.43	22.35	23.50	
		HIGH	QPSK	22.44	22.38	22.30	23.50	
50		LOW	QPSK	22.42	22.33	22.28	23.50	
10		1	LOW	Q16	22.25	22.67	22.23	23.50
			MID	Q16	22.26	22.69	22.23	23.50
	HIGH		Q16	22.25	22.65	22.18	23.50	
	25	LOW	Q16	21.39	21.36	21.35	22.50	
		MID	Q16	21.52	21.47	21.48	22.50	
		HIGH	Q16	21.46	21.41	21.44	22.50	
	50	LOW	Q16	21.43	21.38	21.34	22.50	
	10	1	LOW	64QAM	21.32	21.47	21.23	22.50
			MID	64QAM	21.10	21.53	20.99	22.50
HIGH			64QAM	21.34	21.60	20.98	22.50	
25		LOW	64QAM	20.35	20.32	20.22	21.50	
		MID	64QAM	20.46	20.53	20.59	21.50	
		HIGH	64QAM	20.37	20.17	20.23	21.50	
50		LOW	64QAM	20.47	20.49	20.28	21.50	

LTE B5-State 12 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.41	20.28	20.31	21.50	
		MID	QPSK	20.31	19.98	20.23	21.50	
		HIGH	QPSK	20.22	20.31	20.22	21.50	
	3	LOW	QPSK	20.48	20.13	20.30	21.50	
		MID	QPSK	20.36	20.19	20.46	21.50	
		HIGH	QPSK	20.18	20.48	20.46	21.50	
	6	LOW	QPSK	20.40	20.39	20.20	21.50	
	1.4	1	LOW	Q16	20.51	20.55	20.47	21.50
			MID	Q16	20.36	20.31	20.07	21.50
HIGH			Q16	20.21	20.25	20.52	21.50	
3		LOW	Q16	20.30	20.46	20.27	21.50	
		MID	Q16	20.56	20.41	20.74	21.50	
		HIGH	Q16	20.62	20.10	20.80	21.50	
6		LOW	Q16	20.51	20.34	20.54	21.50	
1.4		1	LOW	64QAM	20.12	20.30	20.31	21.50
			MID	64QAM	19.80	20.29	20.03	21.50
	HIGH		64QAM	20.46	20.80	20.16	21.50	
	3	LOW	64QAM	20.35	20.36	20.40	21.50	
		MID	64QAM	20.54	20.63	20.75	21.50	
		HIGH	64QAM	20.49	20.13	20.45	21.50	
	6	LOW	64QAM	20.39	20.43	20.62	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	20.47	20.28	20.47	21.50
MID			QPSK	20.33	20.00	20.13	21.50	
HIGH			QPSK	20.36	20.11	20.12	21.50	
8		LOW	QPSK	20.20	20.01	20.24	21.50	
		MID	QPSK	20.40	20.35	20.42	21.50	
		HIGH	QPSK	20.40	20.46	20.48	21.50	
15		LOW	QPSK	20.54	20.35	20.40	21.50	
3		1	LOW	Q16	20.45	20.73	20.55	21.50
			MID	Q16	20.36	20.35	20.13	21.50
	HIGH		Q16	20.39	20.31	20.54	21.50	
	8	LOW	Q16	20.08	20.38	20.31	21.50	
		MID	Q16	20.41	20.29	20.82	21.50	
		HIGH	Q16	20.58	20.14	20.58	21.50	
	15	LOW	Q16	20.36	20.08	20.30	21.50	
	3	1	LOW	64QAM	20.06	20.24	20.25	21.50
			MID	64QAM	19.94	20.29	20.19	21.50
HIGH			64QAM	20.33	20.52	20.04	21.50	
8		LOW	64QAM	20.33	20.42	20.20	21.50	
		MID	64QAM	20.56	20.81	20.77	21.50	
		HIGH	64QAM	20.57	20.17	20.35	21.50	
15		LOW	64QAM	20.43	20.55	20.58	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	20.55	20.18	20.39	21.50	
		MID	QPSK	20.23	20.14	20.01	21.50	
		HIGH	QPSK	20.34	20.09	20.02	21.50	
	12	LOW	QPSK	20.42	20.09	20.14	21.50	
		MID	QPSK	20.42	20.41	20.46	21.50	
		HIGH	QPSK	20.20	20.48	20.38	21.50	
	25	LOW	QPSK	20.42	20.49	20.26	21.50	
	5	1	LOW	Q16	20.47	20.67	20.33	21.50
			MID	Q16	20.18	20.55	20.01	21.50
HIGH			Q16	20.41	20.35	20.50	21.50	
12		LOW	Q16	20.26	20.42	20.23	21.50	
		MID	Q16	20.58	20.47	20.57	21.50	
		HIGH	Q16	20.40	20.12	20.72	21.50	
25		LOW	Q16	20.47	20.12	20.48	21.50	
5		1	LOW	64QAM	20.06	20.14	20.11	21.50
			MID	64QAM	19.86	20.37	20.03	21.50
	HIGH		64QAM	20.31	20.48	19.90	21.50	
	12	LOW	64QAM	20.39	20.28	20.20	21.50	
		MID	64QAM	20.39	20.67	20.61	21.50	
		HIGH	64QAM	20.57	19.99	20.57	21.50	
	25	LOW	64QAM	20.55	20.49	20.50	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	20.45	20.38	20.37	21.50
MID			QPSK	20.33	20.10	20.21	21.50	
HIGH			QPSK	20.32	20.27	20.24	21.50	
25		LOW	QPSK	20.42	20.21	20.34	21.50	
		MID	QPSK	20.38	20.33	20.38	21.50	
		HIGH	QPSK	20.40	20.40	20.40	21.50	
50		LOW	QPSK	20.52	20.51	20.30	21.50	
10		1	LOW	Q16	20.45	20.65	20.45	21.50
			MID	Q16	20.26	20.45	20.23	21.50
	HIGH		Q16	20.37	20.45	20.48	21.50	
	25	LOW	Q16	20.26	20.48	20.37	21.50	
		MID	Q16	20.60	20.49	20.74	21.50	
		HIGH	Q16	20.54	20.28	20.70	21.50	
	50	LOW	Q16	20.57	20.30	20.46	21.50	
	10	1	LOW	64QAM	20.28	20.36	20.23	21.50
			MID	64QAM	20.02	20.47	20.11	21.50
HIGH			64QAM	20.54	20.72	20.06	21.50	
25		LOW	64QAM	20.33	20.48	20.42	21.50	
		MID	64QAM	20.60	20.73	20.67	21.50	
		HIGH	64QAM	20.57	20.11	20.49	21.50	
50		LOW	64QAM	20.47	20.45	20.58	21.50	

LTE B5-State 16 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.20	19.23	19.03	20.50	
		MID	QPSK	18.85	18.76	18.87	20.50	
		HIGH	QPSK	18.93	19.16	19.16	20.50	
	3	LOW	QPSK	19.13	19.19	18.98	20.50	
		MID	QPSK	19.22	19.10	18.95	20.50	
		HIGH	QPSK	18.88	18.93	18.91	20.50	
	6	LOW	QPSK	19.36	19.40	19.28	20.50	
	1.4	1	LOW	Q16	19.35	19.58	19.29	20.50
			MID	Q16	19.02	19.04	19.11	20.50
HIGH			Q16	19.06	19.11	18.98	20.50	
3		LOW	Q16	19.39	19.16	19.07	20.50	
		MID	Q16	19.11	19.09	19.22	20.50	
		HIGH	Q16	19.11	18.94	18.79	20.50	
6		LOW	Q16	19.01	19.13	19.13	20.50	
1.4		1	LOW	64QAM	19.14	19.05	19.16	20.50
			MID	64QAM	19.00	19.20	19.36	20.50
	HIGH		64QAM	19.39	19.37	19.53	20.50	
	3	LOW	64QAM	19.08	19.12	19.29	20.50	
		MID	64QAM	19.23	19.28	19.38	20.50	
		HIGH	64QAM	18.86	18.77	18.64	20.50	
	6	LOW	64QAM	18.98	19.42	19.16	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	19.28	19.27	19.22	20.50
MID			QPSK	18.81	18.89	18.68	20.50	
HIGH			QPSK	19.16	18.93	19.12	20.50	
8		LOW	QPSK	19.20	19.29	18.89	20.50	
		MID	QPSK	19.26	19.03	19.01	20.50	
		HIGH	QPSK	18.92	18.98	18.89	20.50	
15		LOW	QPSK	19.30	19.13	19.32	20.50	
3		1	LOW	Q16	19.29	19.32	19.29	20.50
			MID	Q16	18.92	18.94	19.01	20.50
	HIGH		Q16	19.05	19.04	19.07	20.50	
	8	LOW	Q16	19.41	19.29	19.29	20.50	
		MID	Q16	19.38	19.10	18.99	20.50	
		HIGH	Q16	18.86	19.13	18.85	20.50	
	15	LOW	Q16	18.97	18.88	19.27	20.50	
	3	1	LOW	64QAM	18.87	19.03	18.98	20.50
			MID	64QAM	19.07	19.30	19.14	20.50
HIGH			64QAM	19.55	19.18	19.41	20.50	
8		LOW	64QAM	19.01	19.39	19.23	20.50	
		MID	64QAM	19.48	19.38	19.38	20.50	
		HIGH	64QAM	18.90	19.05	18.79	20.50	
15		LOW	64QAM	19.09	19.17	19.24	20.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	19.18	19.02	19.22	20.50	
		MID	QPSK	18.97	18.99	18.85	20.50	
		HIGH	QPSK	18.89	19.04	19.14	20.50	
	12	LOW	QPSK	19.20	19.17	18.85	20.50	
		MID	QPSK	19.22	19.14	18.93	20.50	
		HIGH	QPSK	19.09	19.10	19.12	20.50	
	25	LOW	QPSK	19.20	19.09	19.32	20.50	
	5	1	LOW	Q16	19.15	19.30	19.36	20.50
			MID	Q16	19.03	19.07	19.00	20.50
HIGH			Q16	19.18	19.21	19.11	20.50	
12		LOW	Q16	19.43	19.20	19.17	20.50	
		MID	Q16	19.32	19.01	19.03	20.50	
		HIGH	Q16	18.94	19.11	18.83	20.50	
25		LOW	Q16	18.84	18.86	19.06	20.50	
5		1	LOW	64QAM	19.10	18.96	18.98	20.50
			MID	64QAM	19.00	19.34	19.26	20.50
	HIGH		64QAM	19.33	19.41	19.39	20.50	
	12	LOW	64QAM	19.05	19.10	19.21	20.50	
		MID	64QAM	19.46	19.19	19.28	20.50	
		HIGH	64QAM	18.84	18.98	18.64	20.50	
	25	LOW	64QAM	19.11	19.17	19.09	20.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	19.28	19.23	19.14	20.50
MID			QPSK	18.89	18.95	18.87	20.50	
HIGH			QPSK	19.10	19.12	19.20	20.50	
25		LOW	QPSK	19.32	19.29	19.02	20.50	
		MID	QPSK	19.18	19.16	19.03	20.50	
		HIGH	QPSK	19.03	19.04	19.04	20.50	
50	LOW	QPSK	19.32	19.30	19.26	20.50		
10	1	LOW	Q16	19.29	19.48	19.50	20.50	
		MID	Q16	19.13	19.15	19.11	20.50	
		HIGH	Q16	19.16	19.15	19.11	20.50	
	25	LOW	Q16	19.41	19.35	19.19	20.50	
		MID	Q16	19.32	19.22	19.20	20.50	
		HIGH	Q16	19.07	19.13	18.98	20.50	
50	LOW	Q16	19.05	19.05	19.23	20.50		
10	1	LOW	64QAM	19.08	19.13	19.06	20.50	
		MID	64QAM	19.11	19.30	19.30	20.50	
		HIGH	64QAM	19.45	19.37	19.43	20.50	
	25	LOW	64QAM	19.16	19.29	19.33	20.50	
		MID	64QAM	19.42	19.40	19.46	20.50	
		HIGH	64QAM	18.92	18.96	18.81	20.50	
50	LOW	64QAM	19.13	19.32	19.26	20.50		

LTE B5-State 18 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	17.23	17.32	17.21	18.50	
		MID	QPSK	16.81	16.78	16.70	18.50	
		HIGH	QPSK	17.07	17.09	17.01	18.50	
	3	LOW	QPSK	17.27	17.36	16.99	18.50	
		MID	QPSK	17.21	17.04	17.03	18.50	
		HIGH	QPSK	17.03	17.11	16.90	18.50	
	6	LOW	QPSK	17.29	17.39	17.14	18.50	
	1.4	1	LOW	Q16	17.34	17.41	17.57	18.50
			MID	Q16	17.03	17.22	16.96	18.50
HIGH			Q16	17.04	17.05	17.02	18.50	
3		LOW	Q16	17.27	17.25	17.10	18.50	
		MID	Q16	17.25	17.05	17.17	18.50	
		HIGH	Q16	16.97	17.08	16.93	18.50	
6		LOW	Q16	17.14	17.07	17.23	18.50	
1.4		1	LOW	64QAM	17.10	16.94	16.97	18.50
			MID	64QAM	17.08	17.21	17.11	18.50
	HIGH		64QAM	17.52	17.46	17.31	18.50	
	3	LOW	64QAM	17.13	17.34	17.40	18.50	
		MID	64QAM	17.26	17.33	17.53	18.50	
		HIGH	64QAM	16.95	16.82	16.79	18.50	
	6	LOW	64QAM	17.06	17.16	17.16	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	17.31	17.21	17.04	18.50
MID			QPSK	16.75	16.93	16.85	18.50	
HIGH			QPSK	17.01	17.15	17.13	18.50	
8		LOW	QPSK	17.20	17.38	17.00	18.50	
		MID	QPSK	17.11	17.18	16.88	18.50	
		HIGH	QPSK	17.10	16.90	16.97	18.50	
15		LOW	QPSK	17.41	17.30	17.09	18.50	
3		1	LOW	Q16	17.32	17.39	17.41	18.50
			MID	Q16	17.01	17.17	17.11	18.50
	HIGH		Q16	17.19	17.15	17.08	18.50	
	8	LOW	Q16	17.50	17.37	17.04	18.50	
		MID	Q16	17.29	17.15	17.11	18.50	
		HIGH	Q16	17.07	17.06	17.06	18.50	
	15	LOW	Q16	16.86	17.03	17.14	18.50	
	3	1	LOW	64QAM	17.11	16.99	16.87	18.50
			MID	64QAM	17.04	17.27	17.28	18.50
HIGH			64QAM	17.29	17.35	17.45	18.50	
8		LOW	64QAM	17.25	17.29	17.28	18.50	
		MID	64QAM	17.32	17.45	17.26	18.50	
		HIGH	64QAM	16.82	16.94	16.86	18.50	
15		LOW	64QAM	17.20	17.41	17.24	18.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	17.21	17.11	17.04	18.50	
		MID	QPSK	16.89	16.87	16.70	18.50	
		HIGH	QPSK	16.91	17.12	17.22	18.50	
	12	LOW	QPSK	17.22	17.13	17.05	18.50	
		MID	QPSK	16.99	17.23	17.06	18.50	
		HIGH	QPSK	16.86	16.97	17.06	18.50	
	25	LOW	QPSK	17.27	17.35	17.28	18.50	
	5	1	LOW	Q16	17.22	17.41	17.38	18.50
			MID	Q16	17.06	17.15	17.02	18.50
HIGH			Q16	17.11	17.20	16.92	18.50	
12		LOW	Q16	17.24	17.19	17.10	18.50	
		MID	Q16	17.25	17.29	17.18	18.50	
		HIGH	Q16	17.04	16.98	16.93	18.50	
25		LOW	Q16	17.02	16.95	17.28	18.50	
5		1	LOW	64QAM	16.96	16.96	16.89	18.50
			MID	64QAM	17.01	17.32	17.08	18.50
	HIGH		64QAM	17.31	17.46	17.29	18.50	
	12	LOW	64QAM	17.01	17.20	17.23	18.50	
		MID	64QAM	17.35	17.37	17.39	18.50	
		HIGH	64QAM	16.78	16.79	16.66	18.50	
	25	LOW	64QAM	16.99	17.27	17.28	18.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	17.35	17.23	17.18	18.50
MID			QPSK	17.16	17.02	17.08	18.50	
HIGH			QPSK	17.13	17.09	17.09	18.50	
25		LOW	QPSK	17.44	17.38	17.31	18.50	
		MID	QPSK	17.32	17.11	17.17	18.50	
		HIGH	QPSK	17.13	17.09	17.13	18.50	
50	LOW	QPSK	17.34	17.13	17.23	18.50		
10	1	LOW	Q16	17.27	17.51	17.53	18.50	
		MID	Q16	17.11	17.05	17.12	18.50	
		HIGH	Q16	17.11	17.17	17.12	18.50	
	25	LOW	Q16	17.39	17.44	17.18	18.50	
		MID	Q16	17.22	17.20	17.10	18.50	
		HIGH	Q16	17.04	17.10	17.20	18.50	
	50	LOW	Q16	17.08	17.12	17.07	18.50	
	10	1	LOW	64QAM	17.01	16.96	16.99	18.50
			MID	64QAM	17.18	17.23	17.13	18.50
HIGH			64QAM	17.26	17.25	17.34	18.50	
25		LOW	64QAM	17.25	17.32	17.10	18.50	
		MID	64QAM	17.49	17.37	17.43	18.50	
		HIGH	64QAM	16.90	17.03	16.99	18.50	
50		LOW	64QAM	17.13	17.16	17.30	18.50	

LTE B5-State 20 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.20	19.23	19.03	20.50	
		MID	QPSK	18.85	18.76	18.87	20.50	
		HIGH	QPSK	18.93	19.16	19.16	20.50	
	3	LOW	QPSK	19.13	19.19	18.98	20.50	
		MID	QPSK	19.22	19.10	18.95	20.50	
		HIGH	QPSK	18.88	18.93	18.91	20.50	
	6	LOW	QPSK	19.36	19.40	19.28	20.50	
	1.4	1	LOW	Q16	19.35	19.58	19.29	20.50
			MID	Q16	19.02	19.04	19.11	20.50
HIGH			Q16	19.06	19.11	18.98	20.50	
3		LOW	Q16	19.39	19.16	19.07	20.50	
		MID	Q16	19.11	19.09	19.22	20.50	
		HIGH	Q16	19.11	18.94	18.79	20.50	
6		LOW	Q16	19.01	19.13	19.13	20.50	
1.4		1	LOW	64QAM	19.14	19.05	19.16	20.50
			MID	64QAM	19.00	19.20	19.36	20.50
	HIGH		64QAM	19.39	19.37	19.53	20.50	
	3	LOW	64QAM	19.08	19.12	19.29	20.50	
		MID	64QAM	19.23	19.28	19.38	20.50	
		HIGH	64QAM	18.86	18.77	18.64	20.50	
	6	LOW	64QAM	18.98	19.42	19.16	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	19.28	19.27	19.22	20.50
MID			QPSK	18.81	18.89	18.68	20.50	
HIGH			QPSK	19.16	18.93	19.12	20.50	
8		LOW	QPSK	19.20	19.29	18.89	20.50	
		MID	QPSK	19.26	19.03	19.01	20.50	
		HIGH	QPSK	18.92	18.98	18.89	20.50	
15		LOW	QPSK	19.30	19.13	19.32	20.50	
3		1	LOW	Q16	19.29	19.32	19.29	20.50
			MID	Q16	18.92	18.94	19.01	20.50
	HIGH		Q16	19.05	19.04	19.07	20.50	
	8	LOW	Q16	19.41	19.29	19.29	20.50	
		MID	Q16	19.38	19.10	18.99	20.50	
		HIGH	Q16	18.86	19.13	18.85	20.50	
	15	LOW	Q16	18.97	18.88	19.27	20.50	
	3	1	LOW	64QAM	18.87	19.03	18.98	20.50
			MID	64QAM	19.07	19.30	19.14	20.50
HIGH			64QAM	19.55	19.18	19.41	20.50	
8		LOW	64QAM	19.01	19.39	19.23	20.50	
		MID	64QAM	19.48	19.38	19.38	20.50	
		HIGH	64QAM	18.90	19.05	18.79	20.50	
15		LOW	64QAM	19.09	19.17	19.24	20.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	19.18	19.02	19.22	20.50	
		MID	QPSK	18.97	18.99	18.85	20.50	
		HIGH	QPSK	18.89	19.04	19.14	20.50	
	12	LOW	QPSK	19.20	19.17	18.85	20.50	
		MID	QPSK	19.22	19.14	18.93	20.50	
		HIGH	QPSK	19.09	19.10	19.12	20.50	
	25	LOW	QPSK	19.20	19.09	19.32	20.50	
	5	1	LOW	Q16	19.15	19.30	19.36	20.50
			MID	Q16	19.03	19.07	19.00	20.50
HIGH			Q16	19.18	19.21	19.11	20.50	
12		LOW	Q16	19.43	19.20	19.17	20.50	
		MID	Q16	19.32	19.01	19.03	20.50	
		HIGH	Q16	18.94	19.11	18.83	20.50	
25		LOW	Q16	18.84	18.86	19.06	20.50	
5		1	LOW	64QAM	19.10	18.96	18.98	20.50
			MID	64QAM	19.00	19.34	19.26	20.50
	HIGH		64QAM	19.33	19.41	19.39	20.50	
	12	LOW	64QAM	19.05	19.10	19.21	20.50	
		MID	64QAM	19.46	19.19	19.28	20.50	
		HIGH	64QAM	18.84	18.98	18.64	20.50	
	25	LOW	64QAM	19.11	19.17	19.09	20.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	19.28	19.23	19.14	20.50
MID			QPSK	18.89	18.95	18.87	20.50	
HIGH			QPSK	19.10	19.12	19.20	20.50	
25		LOW	QPSK	19.32	19.29	19.02	20.50	
		MID	QPSK	19.18	19.16	19.03	20.50	
		HIGH	QPSK	19.03	19.04	19.04	20.50	
50	LOW	QPSK	19.32	19.30	19.26	20.50		
10	1	LOW	Q16	19.29	19.48	19.50	20.50	
		MID	Q16	19.13	19.15	19.11	20.50	
		HIGH	Q16	19.16	19.15	19.11	20.50	
	25	LOW	Q16	19.41	19.35	19.19	20.50	
		MID	Q16	19.32	19.22	19.20	20.50	
		HIGH	Q16	19.07	19.13	18.98	20.50	
50	LOW	Q16	19.05	19.05	19.23	20.50		
10	1	LOW	64QAM	19.08	19.13	19.06	20.50	
		MID	64QAM	19.11	19.30	19.30	20.50	
		HIGH	64QAM	19.45	19.37	19.43	20.50	
	25	LOW	64QAM	19.16	19.29	19.33	20.50	
		MID	64QAM	19.42	19.40	19.46	20.50	
		HIGH	64QAM	18.92	18.96	18.81	20.50	
50	LOW	64QAM	19.13	19.32	19.26	20.50		

LTE B5-State 11-Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.34	22.79	23.08	24.50	
		MID	QPSK	22.87	23.01	23.38	24.50	
		HIGH	QPSK	23.00	22.83	23.29	24.50	
	3	LOW	QPSK	23.14	22.95	23.16	24.50	
		MID	QPSK	23.32	23.09	22.82	24.50	
		HIGH	QPSK	23.19	23.05	23.00	24.50	
	6	LOW	QPSK	22.24	22.06	22.08	23.50	
	1.4	1	LOW	Q16	22.32	22.55	21.87	23.50
			MID	Q16	21.99	22.64	22.14	23.50
HIGH			Q16	22.14	22.74	22.36	23.50	
3		LOW	Q16	21.74	22.50	21.99	23.50	
		MID	Q16	22.21	22.43	22.17	23.50	
		HIGH	Q16	22.27	22.30	22.10	23.50	
6		LOW	Q16	21.34	21.48	21.17	22.50	
1.4		1	LOW	64QAM	21.47	21.74	21.10	22.50
			MID	64QAM	21.28	21.28	21.07	22.50
	HIGH		64QAM	20.77	21.68	20.84	22.50	
	3	LOW	64QAM	21.21	21.48	20.96	22.50	
		MID	64QAM	21.53	21.70	21.10	22.50	
		HIGH	64QAM	21.11	21.30	21.11	22.50	
	6	LOW	64QAM	20.05	19.91	20.34	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.04	23.27	23.05	24.50
MID			QPSK	23.03	23.02	23.00	24.50	
HIGH			QPSK	23.17	22.94	22.87	24.50	
8		LOW	QPSK	22.18	22.29	22.19	23.50	
		MID	QPSK	22.56	22.39	22.10	23.50	
		HIGH	QPSK	22.33	22.27	22.21	23.50	
15		LOW	QPSK	22.49	22.35	22.06	23.50	
3		1	LOW	Q16	22.07	22.58	22.16	23.50
			MID	Q16	22.28	22.74	22.21	23.50
	HIGH		Q16	22.34	22.70	22.20	23.50	
	8	LOW	Q16	21.37	21.40	21.26	22.50	
		MID	Q16	21.30	21.34	21.42	22.50	
		HIGH	Q16	21.50	21.39	21.31	22.50	
	15	LOW	Q16	21.45	21.38	21.15	22.50	
	3	1	LOW	64QAM	21.10	21.81	21.27	22.50
			MID	64QAM	21.18	21.43	21.09	22.50
HIGH			64QAM	21.10	21.65	21.25	22.50	
8		LOW	64QAM	20.21	20.36	20.10	21.50	
		MID	64QAM	20.15	20.34	20.56	21.50	
		HIGH	64QAM	20.25	20.12	20.45	21.50	
15		LOW	64QAM	20.21	20.11	20.16	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.25	23.06	22.96	24.50	
		MID	QPSK	23.34	23.25	23.10	24.50	
		HIGH	QPSK	22.98	23.17	22.89	24.50	
	12	LOW	QPSK	22.27	22.31	22.25	23.50	
		MID	QPSK	22.41	22.50	22.19	23.50	
		HIGH	QPSK	22.48	22.25	22.32	23.50	
	25	LOW	QPSK	22.35	22.22	22.15	23.50	
	5	1	LOW	Q16	22.07	22.47	22.14	23.50
			MID	Q16	22.30	22.64	22.23	23.50
HIGH			Q16	22.25	22.60	21.96	23.50	
12		LOW	Q16	21.24	21.38	21.12	22.50	
		MID	Q16	21.39	21.28	21.42	22.50	
		HIGH	Q16	21.35	21.24	21.38	22.50	
25		LOW	Q16	21.37	21.19	21.21	22.50	
5		1	LOW	64QAM	21.31	21.81	20.97	22.50
			MID	64QAM	21.35	21.41	21.05	22.50
	HIGH		64QAM	21.20	21.74	20.97	22.50	
	12	LOW	64QAM	20.43	20.22	20.16	21.50	
		MID	64QAM	20.41	20.28	20.52	21.50	
		HIGH	64QAM	20.29	20.22	20.45	21.50	
	25	LOW	64QAM	20.19	20.11	20.38	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.30	23.28	23.19	24.50
MID			QPSK	23.29	23.18	23.19	24.50	
HIGH			QPSK	23.24	23.15	23.12	24.50	
25		LOW	QPSK	22.36	22.33	22.32	23.50	
		MID	QPSK	22.45	22.43	22.35	23.50	
		HIGH	QPSK	22.44	22.38	22.30	23.50	
50		LOW	QPSK	22.42	22.33	22.28	23.50	
10		1	LOW	Q16	22.25	22.67	22.23	23.50
			MID	Q16	22.26	22.69	22.23	23.50
	HIGH		Q16	22.25	22.65	22.18	23.50	
	25	LOW	Q16	21.39	21.36	21.35	22.50	
		MID	Q16	21.52	21.47	21.48	22.50	
		HIGH	Q16	21.46	21.41	21.44	22.50	
	50	LOW	Q16	21.43	21.38	21.34	22.50	
	10	1	LOW	64QAM	21.32	21.47	21.23	22.50
			MID	64QAM	21.10	21.53	20.99	22.50
HIGH			64QAM	21.34	21.60	20.98	22.50	
25		LOW	64QAM	20.35	20.32	20.22	21.50	
		MID	64QAM	20.46	20.53	20.59	21.50	
		HIGH	64QAM	20.37	20.17	20.23	21.50	
50		LOW	64QAM	20.47	20.49	20.28	21.50	

LTE B5-State 15 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.34	22.79	23.08	24.50	
		MID	QPSK	22.87	23.01	23.38	24.50	
		HIGH	QPSK	23.00	22.83	23.29	24.50	
	3	LOW	QPSK	23.14	22.95	23.16	24.50	
		MID	QPSK	23.32	23.09	22.82	24.50	
		HIGH	QPSK	23.19	23.05	23.00	24.50	
	6	LOW	QPSK	22.24	22.06	22.08	23.50	
	1.4	1	LOW	Q16	22.32	22.55	21.87	23.50
			MID	Q16	21.99	22.64	22.14	23.50
HIGH			Q16	22.14	22.74	22.36	23.50	
3		LOW	Q16	21.74	22.50	21.99	23.50	
		MID	Q16	22.21	22.43	22.17	23.50	
		HIGH	Q16	22.27	22.30	22.10	23.50	
6		LOW	Q16	21.34	21.48	21.17	22.50	
1.4		1	LOW	64QAM	21.47	21.74	21.10	22.50
			MID	64QAM	21.28	21.28	21.07	22.50
	HIGH		64QAM	20.77	21.68	20.84	22.50	
	3	LOW	64QAM	21.21	21.48	20.96	22.50	
		MID	64QAM	21.53	21.70	21.10	22.50	
		HIGH	64QAM	21.11	21.30	21.11	22.50	
	6	LOW	64QAM	20.05	19.91	20.34	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.04	23.27	23.05	24.50
MID			QPSK	23.03	23.02	23.00	24.50	
HIGH			QPSK	23.17	22.94	22.87	24.50	
8		LOW	QPSK	22.18	22.29	22.19	23.50	
		MID	QPSK	22.56	22.39	22.10	23.50	
		HIGH	QPSK	22.33	22.27	22.21	23.50	
15		LOW	QPSK	22.49	22.35	22.06	23.50	
3		1	LOW	Q16	22.07	22.58	22.16	23.50
			MID	Q16	22.28	22.74	22.21	23.50
	HIGH		Q16	22.34	22.70	22.20	23.50	
	8	LOW	Q16	21.37	21.40	21.26	22.50	
		MID	Q16	21.30	21.34	21.42	22.50	
		HIGH	Q16	21.50	21.39	21.31	22.50	
	15	LOW	Q16	21.45	21.38	21.15	22.50	
	3	1	LOW	64QAM	21.10	21.81	21.27	22.50
			MID	64QAM	21.18	21.43	21.09	22.50
HIGH			64QAM	21.10	21.65	21.25	22.50	
8		LOW	64QAM	20.21	20.36	20.10	21.50	
		MID	64QAM	20.15	20.34	20.56	21.50	
		HIGH	64QAM	20.25	20.12	20.45	21.50	
15		LOW	64QAM	20.21	20.11	20.16	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.25	23.06	22.96	24.50	
		MID	QPSK	23.34	23.25	23.10	24.50	
		HIGH	QPSK	22.98	23.17	22.89	24.50	
	12	LOW	QPSK	22.27	22.31	22.25	23.50	
		MID	QPSK	22.41	22.50	22.19	23.50	
		HIGH	QPSK	22.48	22.25	22.32	23.50	
	25	LOW	QPSK	22.35	22.22	22.15	23.50	
	5	1	LOW	Q16	22.07	22.47	22.14	23.50
			MID	Q16	22.30	22.64	22.23	23.50
HIGH			Q16	22.25	22.60	21.96	23.50	
12		LOW	Q16	21.24	21.38	21.12	22.50	
		MID	Q16	21.39	21.28	21.42	22.50	
		HIGH	Q16	21.35	21.24	21.38	22.50	
25		LOW	Q16	21.37	21.19	21.21	22.50	
5		1	LOW	64QAM	21.31	21.81	20.97	22.50
			MID	64QAM	21.35	21.41	21.05	22.50
	HIGH		64QAM	21.20	21.74	20.97	22.50	
	12	LOW	64QAM	20.43	20.22	20.16	21.50	
		MID	64QAM	20.41	20.28	20.52	21.50	
		HIGH	64QAM	20.29	20.22	20.45	21.50	
	25	LOW	64QAM	20.19	20.11	20.38	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.30	23.28	23.19	24.50
MID			QPSK	23.29	23.18	23.19	24.50	
HIGH			QPSK	23.24	23.15	23.12	24.50	
25		LOW	QPSK	22.36	22.33	22.32	23.50	
		MID	QPSK	22.45	22.43	22.35	23.50	
		HIGH	QPSK	22.44	22.38	22.30	23.50	
50		LOW	QPSK	22.42	22.33	22.28	23.50	
10		1	LOW	Q16	22.25	22.67	22.23	23.50
			MID	Q16	22.26	22.69	22.23	23.50
	HIGH		Q16	22.25	22.65	22.18	23.50	
	25	LOW	Q16	21.39	21.36	21.35	22.50	
		MID	Q16	21.52	21.47	21.48	22.50	
		HIGH	Q16	21.46	21.41	21.44	22.50	
	50	LOW	Q16	21.43	21.38	21.34	22.50	
	10	1	LOW	64QAM	21.32	21.47	21.23	22.50
			MID	64QAM	21.10	21.53	20.99	22.50
HIGH			64QAM	21.34	21.60	20.98	22.50	
25		LOW	64QAM	20.35	20.32	20.22	21.50	
		MID	64QAM	20.46	20.53	20.59	21.50	
		HIGH	64QAM	20.37	20.17	20.23	21.50	
50		LOW	64QAM	20.47	20.49	20.28	21.50	

LTE B5-State 17 -Ant.1(NSA)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)		
1.4	1	LOW	QPSK	22.37	22.19	21.99	23.50		
		MID	QPSK	22.04	22.07	22.06	23.50		
		HIGH	QPSK	22.33	21.99	22.12	23.50		
	3	LOW	QPSK	22.27	22.17	22.19	23.50		
		MID	QPSK	22.25	22.45	22.33	23.50		
		HIGH	QPSK	22.26	22.27	22.10	23.50		
	6	LOW	QPSK	22.17	22.13	22.15	23.50		
	1.4	1	LOW	Q16	22.12	22.25	22.30	23.50	
			MID	Q16	22.15	22.38	22.05	23.50	
HIGH			Q16	22.05	22.23	22.22	23.50		
3		LOW	Q16	22.27	22.38	21.81	23.50		
		MID	Q16	22.21	22.02	22.01	23.50		
		HIGH	Q16	22.23	22.42	22.00	23.50		
6		LOW	Q16	21.34	21.25	21.45	22.50		
1.4		1	LOW	64QAM	21.23	21.51	21.08	22.50	
			MID	64QAM	21.12	21.59	21.07	22.50	
	HIGH		64QAM	21.28	21.60	20.96	22.50		
	3	LOW	64QAM	21.11	21.21	21.33	22.50		
		MID	64QAM	20.99	21.62	20.70	22.50		
		HIGH	64QAM	21.07	21.54	21.02	22.50		
	6	LOW	64QAM	20.24	20.37	20.32	21.50		
	3	3	1	LOW	QPSK	22.21	22.15	21.95	23.50
				MID	QPSK	22.40	22.00	22.03	23.50
HIGH				QPSK	22.22	22.17	21.90	23.50	
8			LOW	QPSK	22.34	22.31	22.32	23.50	
			MID	QPSK	22.41	22.45	22.31	23.50	
			HIGH	QPSK	22.33	22.34	22.05	23.50	
15			LOW	QPSK	22.44	22.20	22.08	23.50	
3			1	LOW	Q16	22.03	22.22	22.30	23.50
				MID	Q16	22.13	22.45	22.19	23.50
		HIGH		Q16	22.34	22.32	22.27	23.50	
		8	LOW	Q16	21.39	21.19	21.16	22.50	
			MID	Q16	21.63	21.41	21.29	22.50	
			HIGH	Q16	21.55	21.41	21.40	22.50	
		15	LOW	Q16	21.32	21.19	21.21	22.50	
		3	1	LOW	64QAM	21.41	21.45	21.34	22.50
				MID	64QAM	21.16	21.53	20.91	22.50
HIGH				64QAM	21.28	21.71	20.75	22.50	
8			LOW	64QAM	20.21	20.16	20.14	21.50	
			MID	64QAM	20.40	20.37	20.49	21.50	
			HIGH	64QAM	20.25	20.11	20.17	21.50	
15			LOW	64QAM	20.31	20.31	20.10	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	22.08	22.32	22.06	23.50	
		MID	QPSK	22.22	22.14	22.03	23.50	
		HIGH	QPSK	22.31	22.11	21.97	23.50	
	12	LOW	QPSK	22.16	22.29	22.39	23.50	
		MID	QPSK	22.27	22.23	22.10	23.50	
		HIGH	QPSK	22.33	22.16	22.19	23.50	
	25	LOW	QPSK	22.51	22.24	22.15	23.50	
	5	1	LOW	Q16	22.25	22.36	22.12	23.50
			MID	Q16	22.02	22.60	22.32	23.50
HIGH			Q16	22.27	22.54	22.11	23.50	
12		LOW	Q16	21.41	21.38	21.14	22.50	
		MID	Q16	21.63	21.23	21.48	22.50	
		HIGH	Q16	21.31	21.45	21.38	22.50	
25		LOW	Q16	21.26	21.23	21.11	22.50	
5		1	LOW	64QAM	21.11	21.43	21.27	22.50
			MID	64QAM	20.93	21.59	21.09	22.50
	HIGH		64QAM	21.21	21.62	20.96	22.50	
	12	LOW	64QAM	20.21	20.10	20.28	21.50	
		MID	64QAM	20.40	20.43	20.45	21.50	
		HIGH	64QAM	20.47	20.09	20.11	21.50	
	25	LOW	64QAM	20.51	20.39	20.28	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	22.56	22.26	22.10	23.50
MID			QPSK	22.09	22.16	22.10	23.50	
HIGH			QPSK	22.31	22.11	22.21	23.50	
25		LOW	QPSK	22.52	22.44	22.10	23.50	
		MID	QPSK	22.43	22.18	22.33	23.50	
		HIGH	QPSK	22.42	22.27	22.14	23.50	
50		LOW	QPSK	22.24	22.20	22.19	23.50	
10		1	LOW	Q16	22.34	22.51	22.12	23.50
			MID	Q16	22.26	22.27	22.14	23.50
	HIGH		Q16	22.21	22.23	22.05	23.50	
	25	LOW	Q16	21.18	21.23	21.18	22.50	
		MID	Q16	21.54	21.51	21.39	22.50	
		HIGH	Q16	21.22	21.26	21.44	22.50	
	50	LOW	Q16	21.34	21.42	21.28	22.50	
	10	1	LOW	64QAM	21.09	21.34	21.15	22.50
			MID	64QAM	21.18	21.31	20.97	22.50
HIGH			64QAM	21.40	21.45	20.79	22.50	
25		LOW	64QAM	20.29	20.38	20.26	21.50	
		MID	64QAM	20.34	20.51	20.55	21.50	
		HIGH	64QAM	20.47	20.05	20.17	21.50	
50		LOW	64QAM	20.27	20.41	20.32	21.50	

LTE B5-State 19 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.34	22.79	23.08	24.50	
		MID	QPSK	22.87	23.01	23.38	24.50	
		HIGH	QPSK	23.00	22.83	23.29	24.50	
	3	LOW	QPSK	23.14	22.95	23.16	24.50	
		MID	QPSK	23.32	23.09	22.82	24.50	
		HIGH	QPSK	23.19	23.05	23.00	24.50	
	6	LOW	QPSK	22.24	22.06	22.08	23.50	
	1.4	1	LOW	Q16	22.32	22.55	21.87	23.50
			MID	Q16	21.99	22.64	22.14	23.50
HIGH			Q16	22.14	22.74	22.36	23.50	
3		LOW	Q16	21.74	22.50	21.99	23.50	
		MID	Q16	22.21	22.43	22.17	23.50	
		HIGH	Q16	22.27	22.30	22.10	23.50	
6		LOW	Q16	21.34	21.48	21.17	22.50	
1.4		1	LOW	64QAM	21.47	21.74	21.10	22.50
			MID	64QAM	21.28	21.28	21.07	22.50
	HIGH		64QAM	20.77	21.68	20.84	22.50	
	3	LOW	64QAM	21.21	21.48	20.96	22.50	
		MID	64QAM	21.53	21.70	21.10	22.50	
		HIGH	64QAM	21.11	21.30	21.11	22.50	
	6	LOW	64QAM	20.05	19.91	20.34	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.04	23.27	23.05	24.50
MID			QPSK	23.03	23.02	23.00	24.50	
HIGH			QPSK	23.17	22.94	22.87	24.50	
8		LOW	QPSK	22.18	22.29	22.19	23.50	
		MID	QPSK	22.56	22.39	22.10	23.50	
		HIGH	QPSK	22.33	22.27	22.21	23.50	
15		LOW	QPSK	22.49	22.35	22.06	23.50	
3		1	LOW	Q16	22.07	22.58	22.16	23.50
			MID	Q16	22.28	22.74	22.21	23.50
	HIGH		Q16	22.34	22.70	22.20	23.50	
	8	LOW	Q16	21.37	21.40	21.26	22.50	
		MID	Q16	21.30	21.34	21.42	22.50	
		HIGH	Q16	21.50	21.39	21.31	22.50	
	15	LOW	Q16	21.45	21.38	21.15	22.50	
	3	1	LOW	64QAM	21.10	21.81	21.27	22.50
			MID	64QAM	21.18	21.43	21.09	22.50
HIGH			64QAM	21.10	21.65	21.25	22.50	
8		LOW	64QAM	20.21	20.36	20.10	21.50	
		MID	64QAM	20.15	20.34	20.56	21.50	
		HIGH	64QAM	20.25	20.12	20.45	21.50	
15		LOW	64QAM	20.21	20.11	20.16	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.25	23.06	22.96	24.50	
		MID	QPSK	23.34	23.25	23.10	24.50	
		HIGH	QPSK	22.98	23.17	22.89	24.50	
	12	LOW	QPSK	22.27	22.31	22.25	23.50	
		MID	QPSK	22.41	22.50	22.19	23.50	
		HIGH	QPSK	22.48	22.25	22.32	23.50	
	25	LOW	QPSK	22.35	22.22	22.15	23.50	
	5	1	LOW	Q16	22.07	22.47	22.14	23.50
			MID	Q16	22.30	22.64	22.23	23.50
HIGH			Q16	22.25	22.60	21.96	23.50	
12		LOW	Q16	21.24	21.38	21.12	22.50	
		MID	Q16	21.39	21.28	21.42	22.50	
		HIGH	Q16	21.35	21.24	21.38	22.50	
25		LOW	Q16	21.37	21.19	21.21	22.50	
5		1	LOW	64QAM	21.31	21.81	20.97	22.50
			MID	64QAM	21.35	21.41	21.05	22.50
	HIGH		64QAM	21.20	21.74	20.97	22.50	
	12	LOW	64QAM	20.43	20.22	20.16	21.50	
		MID	64QAM	20.41	20.28	20.52	21.50	
		HIGH	64QAM	20.29	20.22	20.45	21.50	
	25	LOW	64QAM	20.19	20.11	20.38	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.30	23.28	23.19	24.50
MID			QPSK	23.29	23.18	23.19	24.50	
HIGH			QPSK	23.24	23.15	23.12	24.50	
25		LOW	QPSK	22.36	22.33	22.32	23.50	
		MID	QPSK	22.45	22.43	22.35	23.50	
		HIGH	QPSK	22.44	22.38	22.30	23.50	
50		LOW	QPSK	22.42	22.33	22.28	23.50	
10		1	LOW	Q16	22.25	22.67	22.23	23.50
			MID	Q16	22.26	22.69	22.23	23.50
	HIGH		Q16	22.25	22.65	22.18	23.50	
	25	LOW	Q16	21.39	21.36	21.35	22.50	
		MID	Q16	21.52	21.47	21.48	22.50	
		HIGH	Q16	21.46	21.41	21.44	22.50	
	50	LOW	Q16	21.43	21.38	21.34	22.50	
	10	1	LOW	64QAM	21.32	21.47	21.23	22.50
			MID	64QAM	21.10	21.53	20.99	22.50
HIGH			64QAM	21.34	21.60	20.98	22.50	
25		LOW	64QAM	20.35	20.32	20.22	21.50	
		MID	64QAM	20.46	20.53	20.59	21.50	
		HIGH	64QAM	20.37	20.17	20.23	21.50	
50		LOW	64QAM	20.47	20.49	20.28	21.50	

LTE B5-State 12 -Ant.0									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)		
1.4	1	LOW	QPSK	23.18	23.38	23.23	24.50		
		MID	QPSK	23.25	23.57	23.27	24.50		
		HIGH	QPSK	23.22	23.21	23.31	24.50		
	3	LOW	QPSK	23.00	23.43	23.12	24.50		
		MID	QPSK	23.26	23.42	23.39	24.50		
		HIGH	QPSK	23.45	23.46	23.21	24.50		
	6	LOW	QPSK	22.55	22.26	22.44	23.50		
	1.4	1	LOW	Q16	22.81	22.26	22.14	23.50	
			MID	Q16	22.59	22.31	22.33	23.50	
HIGH			Q16	22.65	22.36	22.06	23.50		
3		LOW	Q16	22.47	22.20	21.88	23.50		
		MID	Q16	22.48	22.17	22.26	23.50		
		HIGH	Q16	22.70	22.30	22.06	23.50		
6		LOW	Q16	21.54	21.57	21.49	22.50		
1.4		1	LOW	64QAM	21.54	21.18	21.06	22.50	
			MID	64QAM	21.90	21.31	20.95	22.50	
	HIGH		64QAM	21.65	21.34	21.39	22.50		
	3	LOW	64QAM	21.37	21.24	20.89	22.50		
		MID	64QAM	21.66	21.22	20.85	22.50		
		HIGH	64QAM	21.76	21.11	21.39	22.50		
	6	LOW	64QAM	20.50	20.53	20.39	21.50		
	3	3	1	LOW	QPSK	23.39	23.36	23.40	24.50
				MID	QPSK	23.23	23.47	23.32	24.50
HIGH				QPSK	23.36	23.47	23.19	24.50	
8			LOW	QPSK	22.52	22.28	22.38	23.50	
			MID	QPSK	22.68	22.35	22.25	23.50	
			HIGH	QPSK	22.42	22.63	22.22	23.50	
15			LOW	QPSK	22.60	22.59	22.17	23.50	
3			1	LOW	Q16	22.83	22.29	22.12	23.50
				MID	Q16	22.89	22.31	22.37	23.50
		HIGH		Q16	22.76	22.12	22.24	23.50	
		8	LOW	Q16	21.55	21.63	21.29	22.50	
			MID	Q16	21.68	21.58	21.46	22.50	
			HIGH	Q16	21.42	21.45	21.57	22.50	
		15	LOW	Q16	21.41	21.49	21.17	22.50	
		3	1	LOW	64QAM	21.65	21.16	21.03	22.50
				MID	64QAM	21.62	21.46	21.02	22.50
HIGH				64QAM	21.81	21.09	21.36	22.50	
8			LOW	64QAM	20.50	20.41	20.32	21.50	
	MID		64QAM	20.46	20.74	20.16	21.50		
	HIGH		64QAM	20.45	20.50	20.31	21.50		
15	LOW		64QAM	20.30	20.32	20.39	21.50		

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.14	23.50	23.09	24.50	
		MID	QPSK	23.44	23.33	23.41	24.50	
		HIGH	QPSK	23.15	23.21	23.10	24.50	
	12	LOW	QPSK	22.37	22.55	22.35	23.50	
		MID	QPSK	22.43	22.71	22.52	23.50	
		HIGH	QPSK	22.49	22.43	22.25	23.50	
	25	LOW	QPSK	22.37	22.59	22.35	23.50	
	5	1	LOW	Q16	22.88	22.40	22.19	23.50
			MID	Q16	22.63	22.20	22.35	23.50
HIGH			Q16	22.58	22.34	22.08	23.50	
12		LOW	Q16	21.46	21.42	21.31	22.50	
		MID	Q16	21.45	21.43	21.53	22.50	
		HIGH	Q16	21.44	21.69	21.46	22.50	
25		LOW	Q16	21.39	21.53	21.21	22.50	
5		1	LOW	64QAM	21.63	21.14	21.13	22.50
			MID	64QAM	21.60	21.55	20.83	22.50
	HIGH		64QAM	21.61	21.11	21.34	22.50	
	12	LOW	64QAM	20.22	20.61	20.30	21.50	
		MID	64QAM	20.24	20.86	20.24	21.50	
		HIGH	64QAM	20.47	20.48	20.35	21.50	
	25	LOW	64QAM	20.40	20.57	20.35	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.37	23.38	23.35	24.50
MID			QPSK	23.37	23.45	23.32	24.50	
HIGH			QPSK	23.31	23.35	23.26	24.50	
25		LOW	QPSK	22.57	22.48	22.42	23.50	
		MID	QPSK	22.61	22.60	22.50	23.50	
		HIGH	QPSK	22.58	22.52	22.47	23.50	
50		LOW	QPSK	22.60	22.48	22.37	23.50	
10		1	LOW	Q16	22.88	22.42	22.30	23.50
			MID	Q16	22.84	22.42	22.26	23.50
	HIGH		Q16	22.81	22.34	22.26	23.50	
	25	LOW	Q16	21.57	21.59	21.44	22.50	
		MID	Q16	21.64	21.67	21.55	22.50	
		HIGH	Q16	21.61	21.60	21.46	22.50	
	50	LOW	Q16	21.63	21.53	21.38	22.50	
	10	1	LOW	64QAM	21.65	21.20	21.26	22.50
			MID	64QAM	21.84	21.44	21.06	22.50
HIGH			64QAM	21.74	21.32	21.30	22.50	
25		LOW	64QAM	20.40	20.55	20.50	21.50	
		MID	64QAM	20.42	20.76	20.38	21.50	
		HIGH	64QAM	20.61	20.56	20.27	21.50	
50		LOW	64QAM	20.46	20.53	20.49	21.50	

LTE B5-State 16 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.18	23.38	23.23	24.50	
		MID	QPSK	23.25	23.57	23.27	24.50	
		HIGH	QPSK	23.22	23.21	23.31	24.50	
	3	LOW	QPSK	23.00	23.43	23.12	24.50	
		MID	QPSK	23.26	23.42	23.39	24.50	
		HIGH	QPSK	23.45	23.46	23.21	24.50	
	6	LOW	QPSK	22.55	22.26	22.44	23.50	
	1.4	1	LOW	Q16	22.81	22.26	22.14	23.50
			MID	Q16	22.59	22.31	22.33	23.50
HIGH			Q16	22.65	22.36	22.06	23.50	
3		LOW	Q16	22.47	22.20	21.88	23.50	
		MID	Q16	22.48	22.17	22.26	23.50	
		HIGH	Q16	22.70	22.30	22.06	23.50	
6		LOW	Q16	21.54	21.57	21.49	22.50	
1.4		1	LOW	64QAM	21.54	21.18	21.06	22.50
			MID	64QAM	21.90	21.31	20.95	22.50
	HIGH		64QAM	21.65	21.34	21.39	22.50	
	3	LOW	64QAM	21.37	21.24	20.89	22.50	
		MID	64QAM	21.66	21.22	20.85	22.50	
		HIGH	64QAM	21.76	21.11	21.39	22.50	
	6	LOW	64QAM	20.50	20.53	20.39	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.39	23.36	23.40	24.50
MID			QPSK	23.23	23.47	23.32	24.50	
HIGH			QPSK	23.36	23.47	23.19	24.50	
8		LOW	QPSK	22.52	22.28	22.38	23.50	
		MID	QPSK	22.68	22.35	22.25	23.50	
		HIGH	QPSK	22.42	22.63	22.22	23.50	
15		LOW	QPSK	22.60	22.59	22.17	23.50	
3		1	LOW	Q16	22.83	22.29	22.12	23.50
			MID	Q16	22.89	22.31	22.37	23.50
	HIGH		Q16	22.76	22.12	22.24	23.50	
	8	LOW	Q16	21.55	21.63	21.29	22.50	
		MID	Q16	21.68	21.58	21.46	22.50	
		HIGH	Q16	21.42	21.45	21.57	22.50	
	15	LOW	Q16	21.41	21.49	21.17	22.50	
	3	1	LOW	64QAM	21.65	21.16	21.03	22.50
			MID	64QAM	21.62	21.46	21.02	22.50
HIGH			64QAM	21.81	21.09	21.36	22.50	
8		LOW	64QAM	20.50	20.41	20.32	21.50	
		MID	64QAM	20.46	20.74	20.16	21.50	
		HIGH	64QAM	20.45	20.50	20.31	21.50	
15		LOW	64QAM	20.30	20.32	20.39	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.14	23.50	23.09	24.50	
		MID	QPSK	23.44	23.33	23.41	24.50	
		HIGH	QPSK	23.15	23.21	23.10	24.50	
	12	LOW	QPSK	22.37	22.55	22.35	23.50	
		MID	QPSK	22.43	22.71	22.52	23.50	
		HIGH	QPSK	22.49	22.43	22.25	23.50	
	25	LOW	QPSK	22.37	22.59	22.35	23.50	
	5	1	LOW	Q16	22.88	22.40	22.19	23.50
			MID	Q16	22.63	22.20	22.35	23.50
HIGH			Q16	22.58	22.34	22.08	23.50	
12		LOW	Q16	21.46	21.42	21.31	22.50	
		MID	Q16	21.45	21.43	21.53	22.50	
		HIGH	Q16	21.44	21.69	21.46	22.50	
25		LOW	Q16	21.39	21.53	21.21	22.50	
5		1	LOW	64QAM	21.63	21.14	21.13	22.50
			MID	64QAM	21.60	21.55	20.83	22.50
	HIGH		64QAM	21.61	21.11	21.34	22.50	
	12	LOW	64QAM	20.22	20.61	20.30	21.50	
		MID	64QAM	20.24	20.86	20.24	21.50	
		HIGH	64QAM	20.47	20.48	20.35	21.50	
	25	LOW	64QAM	20.40	20.57	20.35	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.37	23.38	23.35	24.50
MID			QPSK	23.37	23.45	23.32	24.50	
HIGH			QPSK	23.31	23.35	23.26	24.50	
25		LOW	QPSK	22.57	22.48	22.42	23.50	
		MID	QPSK	22.61	22.60	22.50	23.50	
		HIGH	QPSK	22.58	22.52	22.47	23.50	
50		LOW	QPSK	22.60	22.48	22.37	23.50	
10		1	LOW	Q16	22.88	22.42	22.30	23.50
			MID	Q16	22.84	22.42	22.26	23.50
	HIGH		Q16	22.81	22.34	22.26	23.50	
	25	LOW	Q16	21.57	21.59	21.44	22.50	
		MID	Q16	21.64	21.67	21.55	22.50	
		HIGH	Q16	21.61	21.60	21.46	22.50	
	50	LOW	Q16	21.63	21.53	21.38	22.50	
	10	1	LOW	64QAM	21.65	21.20	21.26	22.50
			MID	64QAM	21.84	21.44	21.06	22.50
HIGH			64QAM	21.74	21.32	21.30	22.50	
25		LOW	64QAM	20.40	20.55	20.50	21.50	
		MID	64QAM	20.42	20.76	20.38	21.50	
		HIGH	64QAM	20.61	20.56	20.27	21.50	
50		LOW	64QAM	20.46	20.53	20.49	21.50	

LTE B5-State 18 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.18	23.38	23.23	24.50	
		MID	QPSK	23.25	23.57	23.27	24.50	
		HIGH	QPSK	23.22	23.21	23.31	24.50	
	3	LOW	QPSK	23.00	23.43	23.12	24.50	
		MID	QPSK	23.26	23.42	23.39	24.50	
		HIGH	QPSK	23.45	23.46	23.21	24.50	
	6	LOW	QPSK	22.55	22.26	22.44	23.50	
	1.4	1	LOW	Q16	22.81	22.26	22.14	23.50
			MID	Q16	22.59	22.31	22.33	23.50
HIGH			Q16	22.65	22.36	22.06	23.50	
3		LOW	Q16	22.47	22.20	21.88	23.50	
		MID	Q16	22.48	22.17	22.26	23.50	
		HIGH	Q16	22.70	22.30	22.06	23.50	
6		LOW	Q16	21.54	21.57	21.49	22.50	
1.4		1	LOW	64QAM	21.54	21.18	21.06	22.50
			MID	64QAM	21.90	21.31	20.95	22.50
	HIGH		64QAM	21.65	21.34	21.39	22.50	
	3	LOW	64QAM	21.37	21.24	20.89	22.50	
		MID	64QAM	21.66	21.22	20.85	22.50	
		HIGH	64QAM	21.76	21.11	21.39	22.50	
	6	LOW	64QAM	20.50	20.53	20.39	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.39	23.36	23.40	24.50
MID			QPSK	23.23	23.47	23.32	24.50	
HIGH			QPSK	23.36	23.47	23.19	24.50	
8		LOW	QPSK	22.52	22.28	22.38	23.50	
		MID	QPSK	22.68	22.35	22.25	23.50	
		HIGH	QPSK	22.42	22.63	22.22	23.50	
15		LOW	QPSK	22.60	22.59	22.17	23.50	
3		1	LOW	Q16	22.83	22.29	22.12	23.50
			MID	Q16	22.89	22.31	22.37	23.50
	HIGH		Q16	22.76	22.12	22.24	23.50	
	8	LOW	Q16	21.55	21.63	21.29	22.50	
		MID	Q16	21.68	21.58	21.46	22.50	
		HIGH	Q16	21.42	21.45	21.57	22.50	
	15	LOW	Q16	21.41	21.49	21.17	22.50	
	3	1	LOW	64QAM	21.65	21.16	21.03	22.50
			MID	64QAM	21.62	21.46	21.02	22.50
HIGH			64QAM	21.81	21.09	21.36	22.50	
8		LOW	64QAM	20.50	20.41	20.32	21.50	
		MID	64QAM	20.46	20.74	20.16	21.50	
		HIGH	64QAM	20.45	20.50	20.31	21.50	
15		LOW	64QAM	20.30	20.32	20.39	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.14	23.50	23.09	24.50	
		MID	QPSK	23.44	23.33	23.41	24.50	
		HIGH	QPSK	23.15	23.21	23.10	24.50	
	12	LOW	QPSK	22.37	22.55	22.35	23.50	
		MID	QPSK	22.43	22.71	22.52	23.50	
		HIGH	QPSK	22.49	22.43	22.25	23.50	
	25	LOW	QPSK	22.37	22.59	22.35	23.50	
	5	1	LOW	Q16	22.88	22.40	22.19	23.50
			MID	Q16	22.63	22.20	22.35	23.50
HIGH			Q16	22.58	22.34	22.08	23.50	
12		LOW	Q16	21.46	21.42	21.31	22.50	
		MID	Q16	21.45	21.43	21.53	22.50	
		HIGH	Q16	21.44	21.69	21.46	22.50	
25		LOW	Q16	21.39	21.53	21.21	22.50	
5		1	LOW	64QAM	21.63	21.14	21.13	22.50
			MID	64QAM	21.60	21.55	20.83	22.50
	HIGH		64QAM	21.61	21.11	21.34	22.50	
	12	LOW	64QAM	20.22	20.61	20.30	21.50	
		MID	64QAM	20.24	20.86	20.24	21.50	
		HIGH	64QAM	20.47	20.48	20.35	21.50	
	25	LOW	64QAM	20.40	20.57	20.35	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.37	23.38	23.35	24.50
MID			QPSK	23.37	23.45	23.32	24.50	
HIGH			QPSK	23.31	23.35	23.26	24.50	
25		LOW	QPSK	22.57	22.48	22.42	23.50	
		MID	QPSK	22.61	22.60	22.50	23.50	
		HIGH	QPSK	22.58	22.52	22.47	23.50	
50		LOW	QPSK	22.60	22.48	22.37	23.50	
10		1	LOW	Q16	22.88	22.42	22.30	23.50
			MID	Q16	22.84	22.42	22.26	23.50
	HIGH		Q16	22.81	22.34	22.26	23.50	
	25	LOW	Q16	21.57	21.59	21.44	22.50	
		MID	Q16	21.64	21.67	21.55	22.50	
		HIGH	Q16	21.61	21.60	21.46	22.50	
	50	LOW	Q16	21.63	21.53	21.38	22.50	
	10	1	LOW	64QAM	21.65	21.20	21.26	22.50
			MID	64QAM	21.84	21.44	21.06	22.50
HIGH			64QAM	21.74	21.32	21.30	22.50	
25		LOW	64QAM	20.40	20.55	20.50	21.50	
		MID	64QAM	20.42	20.76	20.38	21.50	
		HIGH	64QAM	20.61	20.56	20.27	21.50	
50		LOW	64QAM	20.46	20.53	20.49	21.50	

LTE B5-State 20 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.18	23.38	23.23	24.50	
		MID	QPSK	23.25	23.57	23.27	24.50	
		HIGH	QPSK	23.22	23.21	23.31	24.50	
	3	LOW	QPSK	23.00	23.43	23.12	24.50	
		MID	QPSK	23.26	23.42	23.39	24.50	
		HIGH	QPSK	23.45	23.46	23.21	24.50	
	6	LOW	QPSK	22.55	22.26	22.44	23.50	
	1.4	1	LOW	Q16	22.81	22.26	22.14	23.50
			MID	Q16	22.59	22.31	22.33	23.50
HIGH			Q16	22.65	22.36	22.06	23.50	
3		LOW	Q16	22.47	22.20	21.88	23.50	
		MID	Q16	22.48	22.17	22.26	23.50	
		HIGH	Q16	22.70	22.30	22.06	23.50	
6		LOW	Q16	21.54	21.57	21.49	22.50	
1.4		1	LOW	64QAM	21.54	21.18	21.06	22.50
			MID	64QAM	21.90	21.31	20.95	22.50
	HIGH		64QAM	21.65	21.34	21.39	22.50	
	3	LOW	64QAM	21.37	21.24	20.89	22.50	
		MID	64QAM	21.66	21.22	20.85	22.50	
		HIGH	64QAM	21.76	21.11	21.39	22.50	
	6	LOW	64QAM	20.50	20.53	20.39	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.39	23.36	23.40	24.50
MID			QPSK	23.23	23.47	23.32	24.50	
HIGH			QPSK	23.36	23.47	23.19	24.50	
8		LOW	QPSK	22.52	22.28	22.38	23.50	
		MID	QPSK	22.68	22.35	22.25	23.50	
		HIGH	QPSK	22.42	22.63	22.22	23.50	
15	LOW	QPSK	22.60	22.59	22.17	23.50		
3	1	LOW	Q16	22.83	22.29	22.12	23.50	
		MID	Q16	22.89	22.31	22.37	23.50	
		HIGH	Q16	22.76	22.12	22.24	23.50	
	8	LOW	Q16	21.55	21.63	21.29	22.50	
		MID	Q16	21.68	21.58	21.46	22.50	
		HIGH	Q16	21.42	21.45	21.57	22.50	
	15	LOW	Q16	21.41	21.49	21.17	22.50	
	3	1	LOW	64QAM	21.65	21.16	21.03	22.50
			MID	64QAM	21.62	21.46	21.02	22.50
HIGH			64QAM	21.81	21.09	21.36	22.50	
8		LOW	64QAM	20.50	20.41	20.32	21.50	
		MID	64QAM	20.46	20.74	20.16	21.50	
		HIGH	64QAM	20.45	20.50	20.31	21.50	
15		LOW	64QAM	20.30	20.32	20.39	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.14	23.50	23.09	24.50	
		MID	QPSK	23.44	23.33	23.41	24.50	
		HIGH	QPSK	23.15	23.21	23.10	24.50	
	12	LOW	QPSK	22.37	22.55	22.35	23.50	
		MID	QPSK	22.43	22.71	22.52	23.50	
		HIGH	QPSK	22.49	22.43	22.25	23.50	
	25	LOW	QPSK	22.37	22.59	22.35	23.50	
	5	1	LOW	Q16	22.88	22.40	22.19	23.50
			MID	Q16	22.63	22.20	22.35	23.50
HIGH			Q16	22.58	22.34	22.08	23.50	
12		LOW	Q16	21.46	21.42	21.31	22.50	
		MID	Q16	21.45	21.43	21.53	22.50	
		HIGH	Q16	21.44	21.69	21.46	22.50	
25		LOW	Q16	21.39	21.53	21.21	22.50	
5		1	LOW	64QAM	21.63	21.14	21.13	22.50
			MID	64QAM	21.60	21.55	20.83	22.50
	HIGH		64QAM	21.61	21.11	21.34	22.50	
	12	LOW	64QAM	20.22	20.61	20.30	21.50	
		MID	64QAM	20.24	20.86	20.24	21.50	
		HIGH	64QAM	20.47	20.48	20.35	21.50	
	25	LOW	64QAM	20.40	20.57	20.35	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.37	23.38	23.35	24.50
MID			QPSK	23.37	23.45	23.32	24.50	
HIGH			QPSK	23.31	23.35	23.26	24.50	
25		LOW	QPSK	22.57	22.48	22.42	23.50	
		MID	QPSK	22.61	22.60	22.50	23.50	
		HIGH	QPSK	22.58	22.52	22.47	23.50	
50		LOW	QPSK	22.60	22.48	22.37	23.50	
10		1	LOW	Q16	22.88	22.42	22.30	23.50
			MID	Q16	22.84	22.42	22.26	23.50
	HIGH		Q16	22.81	22.34	22.26	23.50	
	25	LOW	Q16	21.57	21.59	21.44	22.50	
		MID	Q16	21.64	21.67	21.55	22.50	
		HIGH	Q16	21.61	21.60	21.46	22.50	
	50	LOW	Q16	21.63	21.53	21.38	22.50	
	10	1	LOW	64QAM	21.65	21.20	21.26	22.50
			MID	64QAM	21.84	21.44	21.06	22.50
HIGH			64QAM	21.74	21.32	21.30	22.50	
25		LOW	64QAM	20.40	20.55	20.50	21.50	
		MID	64QAM	20.42	20.76	20.38	21.50	
		HIGH	64QAM	20.61	20.56	20.27	21.50	
50		LOW	64QAM	20.46	20.53	20.49	21.50	

LTE B5-State 11-Ant.0									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)		
1.4	1	LOW	QPSK	23.18	23.38	23.23	24.50		
		MID	QPSK	23.25	23.57	23.27	24.50		
		HIGH	QPSK	23.22	23.21	23.31	24.50		
	3	LOW	QPSK	23.00	23.43	23.12	24.50		
		MID	QPSK	23.26	23.42	23.39	24.50		
		HIGH	QPSK	23.45	23.46	23.21	24.50		
	6	LOW	QPSK	22.55	22.26	22.44	23.50		
	1.4	1	LOW	Q16	22.81	22.26	22.14	23.50	
			MID	Q16	22.59	22.31	22.33	23.50	
HIGH			Q16	22.65	22.36	22.06	23.50		
3		LOW	Q16	22.47	22.20	21.88	23.50		
		MID	Q16	22.48	22.17	22.26	23.50		
		HIGH	Q16	22.70	22.30	22.06	23.50		
6		LOW	Q16	21.54	21.57	21.49	22.50		
1.4		1	LOW	64QAM	21.54	21.18	21.06	22.50	
			MID	64QAM	21.90	21.31	20.95	22.50	
	HIGH		64QAM	21.65	21.34	21.39	22.50		
	3	LOW	64QAM	21.37	21.24	20.89	22.50		
		MID	64QAM	21.66	21.22	20.85	22.50		
		HIGH	64QAM	21.76	21.11	21.39	22.50		
	6	LOW	64QAM	20.50	20.53	20.39	21.50		
	3	3	1	LOW	QPSK	23.39	23.36	23.40	24.50
				MID	QPSK	23.23	23.47	23.32	24.50
HIGH				QPSK	23.36	23.47	23.19	24.50	
8			LOW	QPSK	22.52	22.28	22.38	23.50	
			MID	QPSK	22.68	22.35	22.25	23.50	
			HIGH	QPSK	22.42	22.63	22.22	23.50	
15			LOW	QPSK	22.60	22.59	22.17	23.50	
3			1	LOW	Q16	22.83	22.29	22.12	23.50
				MID	Q16	22.89	22.31	22.37	23.50
		HIGH		Q16	22.76	22.12	22.24	23.50	
		8	LOW	Q16	21.55	21.63	21.29	22.50	
			MID	Q16	21.68	21.58	21.46	22.50	
			HIGH	Q16	21.42	21.45	21.57	22.50	
		15	LOW	Q16	21.41	21.49	21.17	22.50	
		3	1	LOW	64QAM	21.65	21.16	21.03	22.50
				MID	64QAM	21.62	21.46	21.02	22.50
HIGH				64QAM	21.81	21.09	21.36	22.50	
8			LOW	64QAM	20.50	20.41	20.32	21.50	
			MID	64QAM	20.46	20.74	20.16	21.50	
			HIGH	64QAM	20.45	20.50	20.31	21.50	
15			LOW	64QAM	20.30	20.32	20.39	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.14	23.50	23.09	24.50	
		MID	QPSK	23.44	23.33	23.41	24.50	
		HIGH	QPSK	23.15	23.21	23.10	24.50	
	12	LOW	QPSK	22.37	22.55	22.35	23.50	
		MID	QPSK	22.43	22.71	22.52	23.50	
		HIGH	QPSK	22.49	22.43	22.25	23.50	
	25	LOW	QPSK	22.37	22.59	22.35	23.50	
	5	1	LOW	Q16	22.88	22.40	22.19	23.50
			MID	Q16	22.63	22.20	22.35	23.50
HIGH			Q16	22.58	22.34	22.08	23.50	
12		LOW	Q16	21.46	21.42	21.31	22.50	
		MID	Q16	21.45	21.43	21.53	22.50	
		HIGH	Q16	21.44	21.69	21.46	22.50	
25		LOW	Q16	21.39	21.53	21.21	22.50	
5		1	LOW	64QAM	21.63	21.14	21.13	22.50
			MID	64QAM	21.60	21.55	20.83	22.50
	HIGH		64QAM	21.61	21.11	21.34	22.50	
	12	LOW	64QAM	20.22	20.61	20.30	21.50	
		MID	64QAM	20.24	20.86	20.24	21.50	
		HIGH	64QAM	20.47	20.48	20.35	21.50	
	25	LOW	64QAM	20.40	20.57	20.35	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.37	23.38	23.35	24.50
MID			QPSK	23.37	23.45	23.32	24.50	
HIGH			QPSK	23.31	23.35	23.26	24.50	
25		LOW	QPSK	22.57	22.48	22.42	23.50	
		MID	QPSK	22.61	22.60	22.50	23.50	
		HIGH	QPSK	22.58	22.52	22.47	23.50	
50		LOW	QPSK	22.60	22.48	22.37	23.50	
10		1	LOW	Q16	22.88	22.42	22.30	23.50
			MID	Q16	22.84	22.42	22.26	23.50
	HIGH		Q16	22.81	22.34	22.26	23.50	
	25	LOW	Q16	21.57	21.59	21.44	22.50	
		MID	Q16	21.64	21.67	21.55	22.50	
		HIGH	Q16	21.61	21.60	21.46	22.50	
	50	LOW	Q16	21.63	21.53	21.38	22.50	
	10	1	LOW	64QAM	21.65	21.20	21.26	22.50
			MID	64QAM	21.84	21.44	21.06	22.50
HIGH			64QAM	21.74	21.32	21.30	22.50	
25		LOW	64QAM	20.40	20.55	20.50	21.50	
		MID	64QAM	20.42	20.76	20.38	21.50	
		HIGH	64QAM	20.61	20.56	20.27	21.50	
50		LOW	64QAM	20.46	20.53	20.49	21.50	

LTE B5-State 15 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.18	23.38	23.23	24.50	
		MID	QPSK	23.25	23.57	23.27	24.50	
		HIGH	QPSK	23.22	23.21	23.31	24.50	
	3	LOW	QPSK	23.00	23.43	23.12	24.50	
		MID	QPSK	23.26	23.42	23.39	24.50	
		HIGH	QPSK	23.45	23.46	23.21	24.50	
	6	LOW	QPSK	22.55	22.26	22.44	23.50	
	1.4	1	LOW	Q16	22.81	22.26	22.14	23.50
			MID	Q16	22.59	22.31	22.33	23.50
HIGH			Q16	22.65	22.36	22.06	23.50	
3		LOW	Q16	22.47	22.20	21.88	23.50	
		MID	Q16	22.48	22.17	22.26	23.50	
		HIGH	Q16	22.70	22.30	22.06	23.50	
6		LOW	Q16	21.54	21.57	21.49	22.50	
1.4		1	LOW	64QAM	21.54	21.18	21.06	22.50
			MID	64QAM	21.90	21.31	20.95	22.50
	HIGH		64QAM	21.65	21.34	21.39	22.50	
	3	LOW	64QAM	21.37	21.24	20.89	22.50	
		MID	64QAM	21.66	21.22	20.85	22.50	
		HIGH	64QAM	21.76	21.11	21.39	22.50	
	6	LOW	64QAM	20.50	20.53	20.39	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.39	23.36	23.40	24.50
MID			QPSK	23.23	23.47	23.32	24.50	
HIGH			QPSK	23.36	23.47	23.19	24.50	
8		LOW	QPSK	22.52	22.28	22.38	23.50	
		MID	QPSK	22.68	22.35	22.25	23.50	
		HIGH	QPSK	22.42	22.63	22.22	23.50	
15	LOW	QPSK	22.60	22.59	22.17	23.50		
3	1	LOW	Q16	22.83	22.29	22.12	23.50	
		MID	Q16	22.89	22.31	22.37	23.50	
		HIGH	Q16	22.76	22.12	22.24	23.50	
	8	LOW	Q16	21.55	21.63	21.29	22.50	
		MID	Q16	21.68	21.58	21.46	22.50	
		HIGH	Q16	21.42	21.45	21.57	22.50	
	15	LOW	Q16	21.41	21.49	21.17	22.50	
	3	1	LOW	64QAM	21.65	21.16	21.03	22.50
			MID	64QAM	21.62	21.46	21.02	22.50
HIGH			64QAM	21.81	21.09	21.36	22.50	
8		LOW	64QAM	20.50	20.41	20.32	21.50	
		MID	64QAM	20.46	20.74	20.16	21.50	
		HIGH	64QAM	20.45	20.50	20.31	21.50	
15		LOW	64QAM	20.30	20.32	20.39	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.14	23.50	23.09	24.50	
		MID	QPSK	23.44	23.33	23.41	24.50	
		HIGH	QPSK	23.15	23.21	23.10	24.50	
	12	LOW	QPSK	22.37	22.55	22.35	23.50	
		MID	QPSK	22.43	22.71	22.52	23.50	
		HIGH	QPSK	22.49	22.43	22.25	23.50	
	25	LOW	QPSK	22.37	22.59	22.35	23.50	
	5	1	LOW	Q16	22.88	22.40	22.19	23.50
			MID	Q16	22.63	22.20	22.35	23.50
HIGH			Q16	22.58	22.34	22.08	23.50	
12		LOW	Q16	21.46	21.42	21.31	22.50	
		MID	Q16	21.45	21.43	21.53	22.50	
		HIGH	Q16	21.44	21.69	21.46	22.50	
25		LOW	Q16	21.39	21.53	21.21	22.50	
5		1	LOW	64QAM	21.63	21.14	21.13	22.50
			MID	64QAM	21.60	21.55	20.83	22.50
	HIGH		64QAM	21.61	21.11	21.34	22.50	
	12	LOW	64QAM	20.22	20.61	20.30	21.50	
		MID	64QAM	20.24	20.86	20.24	21.50	
		HIGH	64QAM	20.47	20.48	20.35	21.50	
	25	LOW	64QAM	20.40	20.57	20.35	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.37	23.38	23.35	24.50
MID			QPSK	23.37	23.45	23.32	24.50	
HIGH			QPSK	23.31	23.35	23.26	24.50	
25		LOW	QPSK	22.57	22.48	22.42	23.50	
		MID	QPSK	22.61	22.60	22.50	23.50	
		HIGH	QPSK	22.58	22.52	22.47	23.50	
50		LOW	QPSK	22.60	22.48	22.37	23.50	
10		1	LOW	Q16	22.88	22.42	22.30	23.50
			MID	Q16	22.84	22.42	22.26	23.50
	HIGH		Q16	22.81	22.34	22.26	23.50	
	25	LOW	Q16	21.57	21.59	21.44	22.50	
		MID	Q16	21.64	21.67	21.55	22.50	
		HIGH	Q16	21.61	21.60	21.46	22.50	
	50	LOW	Q16	21.63	21.53	21.38	22.50	
	10	1	LOW	64QAM	21.65	21.20	21.26	22.50
			MID	64QAM	21.84	21.44	21.06	22.50
HIGH			64QAM	21.74	21.32	21.30	22.50	
25		LOW	64QAM	20.40	20.55	20.50	21.50	
		MID	64QAM	20.42	20.76	20.38	21.50	
		HIGH	64QAM	20.61	20.56	20.27	21.50	
50		LOW	64QAM	20.46	20.53	20.49	21.50	

LTE B5-State 17 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.18	23.38	23.23	24.50	
		MID	QPSK	23.25	23.57	23.27	24.50	
		HIGH	QPSK	23.22	23.21	23.31	24.50	
	3	LOW	QPSK	23.00	23.43	23.12	24.50	
		MID	QPSK	23.26	23.42	23.39	24.50	
		HIGH	QPSK	23.45	23.46	23.21	24.50	
	6	LOW	QPSK	22.55	22.26	22.44	23.50	
	1.4	1	LOW	Q16	22.81	22.26	22.14	23.50
			MID	Q16	22.59	22.31	22.33	23.50
HIGH			Q16	22.65	22.36	22.06	23.50	
3		LOW	Q16	22.47	22.20	21.88	23.50	
		MID	Q16	22.48	22.17	22.26	23.50	
		HIGH	Q16	22.70	22.30	22.06	23.50	
6		LOW	Q16	21.54	21.57	21.49	22.50	
1.4		1	LOW	64QAM	21.54	21.18	21.06	22.50
			MID	64QAM	21.90	21.31	20.95	22.50
	HIGH		64QAM	21.65	21.34	21.39	22.50	
	3	LOW	64QAM	21.37	21.24	20.89	22.50	
		MID	64QAM	21.66	21.22	20.85	22.50	
		HIGH	64QAM	21.76	21.11	21.39	22.50	
	6	LOW	64QAM	20.50	20.53	20.39	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.39	23.36	23.40	24.50
MID			QPSK	23.23	23.47	23.32	24.50	
HIGH			QPSK	23.36	23.47	23.19	24.50	
8		LOW	QPSK	22.52	22.28	22.38	23.50	
		MID	QPSK	22.68	22.35	22.25	23.50	
		HIGH	QPSK	22.42	22.63	22.22	23.50	
15	LOW	QPSK	22.60	22.59	22.17	23.50		
3	1	LOW	Q16	22.83	22.29	22.12	23.50	
		MID	Q16	22.89	22.31	22.37	23.50	
		HIGH	Q16	22.76	22.12	22.24	23.50	
	8	LOW	Q16	21.55	21.63	21.29	22.50	
		MID	Q16	21.68	21.58	21.46	22.50	
		HIGH	Q16	21.42	21.45	21.57	22.50	
	15	LOW	Q16	21.41	21.49	21.17	22.50	
	3	1	LOW	64QAM	21.65	21.16	21.03	22.50
			MID	64QAM	21.62	21.46	21.02	22.50
HIGH			64QAM	21.81	21.09	21.36	22.50	
8		LOW	64QAM	20.50	20.41	20.32	21.50	
		MID	64QAM	20.46	20.74	20.16	21.50	
		HIGH	64QAM	20.45	20.50	20.31	21.50	
15		LOW	64QAM	20.30	20.32	20.39	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.14	23.50	23.09	24.50	
		MID	QPSK	23.44	23.33	23.41	24.50	
		HIGH	QPSK	23.15	23.21	23.10	24.50	
	12	LOW	QPSK	22.37	22.55	22.35	23.50	
		MID	QPSK	22.43	22.71	22.52	23.50	
		HIGH	QPSK	22.49	22.43	22.25	23.50	
	25	LOW	QPSK	22.37	22.59	22.35	23.50	
	5	1	LOW	Q16	22.88	22.40	22.19	23.50
			MID	Q16	22.63	22.20	22.35	23.50
HIGH			Q16	22.58	22.34	22.08	23.50	
12		LOW	Q16	21.46	21.42	21.31	22.50	
		MID	Q16	21.45	21.43	21.53	22.50	
		HIGH	Q16	21.44	21.69	21.46	22.50	
25		LOW	Q16	21.39	21.53	21.21	22.50	
5		1	LOW	64QAM	21.63	21.14	21.13	22.50
			MID	64QAM	21.60	21.55	20.83	22.50
	HIGH		64QAM	21.61	21.11	21.34	22.50	
	12	LOW	64QAM	20.22	20.61	20.30	21.50	
		MID	64QAM	20.24	20.86	20.24	21.50	
		HIGH	64QAM	20.47	20.48	20.35	21.50	
	25	LOW	64QAM	20.40	20.57	20.35	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.37	23.38	23.35	24.50
MID			QPSK	23.37	23.45	23.32	24.50	
HIGH			QPSK	23.31	23.35	23.26	24.50	
25		LOW	QPSK	22.57	22.48	22.42	23.50	
		MID	QPSK	22.61	22.60	22.50	23.50	
		HIGH	QPSK	22.58	22.52	22.47	23.50	
50		LOW	QPSK	22.60	22.48	22.37	23.50	
10		1	LOW	Q16	22.88	22.42	22.30	23.50
			MID	Q16	22.84	22.42	22.26	23.50
	HIGH		Q16	22.81	22.34	22.26	23.50	
	25	LOW	Q16	21.57	21.59	21.44	22.50	
		MID	Q16	21.64	21.67	21.55	22.50	
		HIGH	Q16	21.61	21.60	21.46	22.50	
	50	LOW	Q16	21.63	21.53	21.38	22.50	
	10	1	LOW	64QAM	21.65	21.20	21.26	22.50
			MID	64QAM	21.84	21.44	21.06	22.50
HIGH			64QAM	21.74	21.32	21.30	22.50	
25		LOW	64QAM	20.40	20.55	20.50	21.50	
		MID	64QAM	20.42	20.76	20.38	21.50	
		HIGH	64QAM	20.61	20.56	20.27	21.50	
50		LOW	64QAM	20.46	20.53	20.49	21.50	

LTE B5-State 19 -Ant.0								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.18	23.38	23.23	24.50	
		MID	QPSK	23.25	23.57	23.27	24.50	
		HIGH	QPSK	23.22	23.21	23.31	24.50	
	3	LOW	QPSK	23.00	23.43	23.12	24.50	
		MID	QPSK	23.26	23.42	23.39	24.50	
		HIGH	QPSK	23.45	23.46	23.21	24.50	
	6	LOW	QPSK	22.55	22.26	22.44	23.50	
	1.4	1	LOW	Q16	22.81	22.26	22.14	23.50
			MID	Q16	22.59	22.31	22.33	23.50
HIGH			Q16	22.65	22.36	22.06	23.50	
3		LOW	Q16	22.47	22.20	21.88	23.50	
		MID	Q16	22.48	22.17	22.26	23.50	
		HIGH	Q16	22.70	22.30	22.06	23.50	
6		LOW	Q16	21.54	21.57	21.49	22.50	
1.4		1	LOW	64QAM	21.54	21.18	21.06	22.50
			MID	64QAM	21.90	21.31	20.95	22.50
	HIGH		64QAM	21.65	21.34	21.39	22.50	
	3	LOW	64QAM	21.37	21.24	20.89	22.50	
		MID	64QAM	21.66	21.22	20.85	22.50	
		HIGH	64QAM	21.76	21.11	21.39	22.50	
	6	LOW	64QAM	20.50	20.53	20.39	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.39	23.36	23.40	24.50
MID			QPSK	23.23	23.47	23.32	24.50	
HIGH			QPSK	23.36	23.47	23.19	24.50	
8		LOW	QPSK	22.52	22.28	22.38	23.50	
		MID	QPSK	22.68	22.35	22.25	23.50	
		HIGH	QPSK	22.42	22.63	22.22	23.50	
15	LOW	QPSK	22.60	22.59	22.17	23.50		
3	1	LOW	Q16	22.83	22.29	22.12	23.50	
		MID	Q16	22.89	22.31	22.37	23.50	
		HIGH	Q16	22.76	22.12	22.24	23.50	
	8	LOW	Q16	21.55	21.63	21.29	22.50	
		MID	Q16	21.68	21.58	21.46	22.50	
		HIGH	Q16	21.42	21.45	21.57	22.50	
	15	LOW	Q16	21.41	21.49	21.17	22.50	
	3	1	LOW	64QAM	21.65	21.16	21.03	22.50
			MID	64QAM	21.62	21.46	21.02	22.50
HIGH			64QAM	21.81	21.09	21.36	22.50	
8		LOW	64QAM	20.50	20.41	20.32	21.50	
		MID	64QAM	20.46	20.74	20.16	21.50	
		HIGH	64QAM	20.45	20.50	20.31	21.50	
15		LOW	64QAM	20.30	20.32	20.39	21.50	

Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)
5	1	LOW	QPSK	23.14	23.50	23.09	24.50	
		MID	QPSK	23.44	23.33	23.41	24.50	
		HIGH	QPSK	23.15	23.21	23.10	24.50	
	12	LOW	QPSK	22.37	22.55	22.35	23.50	
		MID	QPSK	22.43	22.71	22.52	23.50	
		HIGH	QPSK	22.49	22.43	22.25	23.50	
	25	LOW	QPSK	22.37	22.59	22.35	23.50	
	5	1	LOW	Q16	22.88	22.40	22.19	23.50
			MID	Q16	22.63	22.20	22.35	23.50
HIGH			Q16	22.58	22.34	22.08	23.50	
12		LOW	Q16	21.46	21.42	21.31	22.50	
		MID	Q16	21.45	21.43	21.53	22.50	
		HIGH	Q16	21.44	21.69	21.46	22.50	
25		LOW	Q16	21.39	21.53	21.21	22.50	
5		1	LOW	64QAM	21.63	21.14	21.13	22.50
			MID	64QAM	21.60	21.55	20.83	22.50
	HIGH		64QAM	21.61	21.11	21.34	22.50	
	12	LOW	64QAM	20.22	20.61	20.30	21.50	
		MID	64QAM	20.24	20.86	20.24	21.50	
		HIGH	64QAM	20.47	20.48	20.35	21.50	
	25	LOW	64QAM	20.40	20.57	20.35	21.50	
	Bandwidth (RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.37	23.38	23.35	24.50
MID			QPSK	23.37	23.45	23.32	24.50	
HIGH			QPSK	23.31	23.35	23.26	24.50	
25		LOW	QPSK	22.57	22.48	22.42	23.50	
		MID	QPSK	22.61	22.60	22.50	23.50	
		HIGH	QPSK	22.58	22.52	22.47	23.50	
50		LOW	QPSK	22.60	22.48	22.37	23.50	
10		1	LOW	Q16	22.88	22.42	22.30	23.50
			MID	Q16	22.84	22.42	22.26	23.50
	HIGH		Q16	22.81	22.34	22.26	23.50	
	25	LOW	Q16	21.57	21.59	21.44	22.50	
		MID	Q16	21.64	21.67	21.55	22.50	
		HIGH	Q16	21.61	21.60	21.46	22.50	
	50	LOW	Q16	21.63	21.53	21.38	22.50	
	10	1	LOW	64QAM	21.65	21.20	21.26	22.50
			MID	64QAM	21.84	21.44	21.06	22.50
HIGH			64QAM	21.74	21.32	21.30	22.50	
25		LOW	64QAM	20.40	20.55	20.50	21.50	
		MID	64QAM	20.42	20.76	20.38	21.50	
		HIGH	64QAM	20.61	20.56	20.27	21.50	
50		LOW	64QAM	20.46	20.53	20.49	21.50	

8.3.4 LTE Band7 Output Power

LTE B7-State 12 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	15.70	15.38	15.45	17.00	
		MID	QPSK	15.36	15.54	15.51	17.00	
		HIGH	QPSK	15.38	15.44	15.38	17.00	
	12	LOW	QPSK	15.40	15.45	15.55	17.00	
		MID	QPSK	15.54	15.46	15.56	17.00	
		HIGH	QPSK	15.45	15.46	15.38	17.00	
	25	LOW	QPSK	15.41	15.26	15.38	17.00	
	5	1	LOW	Q16	15.61	15.52	15.50	17.00
			MID	Q16	15.53	15.36	15.67	17.00
HIGH			Q16	15.58	15.57	15.54	17.00	
12		LOW	Q16	15.40	15.37	15.56	17.00	
		MID	Q16	15.47	15.54	15.45	17.00	
		HIGH	Q16	15.47	15.47	15.39	17.00	
25		LOW	Q16	15.44	15.28	15.52	17.00	
5		1	LOW	64QAM	15.57	15.51	15.52	17.00
			MID	64QAM	15.35	15.62	15.49	17.00
	HIGH		64QAM	15.51	15.69	15.46	17.00	
	12	LOW	64QAM	15.45	15.47	15.41	17.00	
		MID	64QAM	15.47	15.52	15.55	17.00	
		HIGH	64QAM	15.56	15.42	15.48	17.00	
	25	LOW	64QAM	15.47	15.41	15.40	17.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	15.75	15.45	15.45	17.00
MID			QPSK	15.56	15.53	15.64	17.00	
HIGH			QPSK	15.41	15.49	15.49	17.00	
25		LOW	QPSK	15.50	15.29	15.50	17.00	
		MID	QPSK	15.40	15.32	15.59	17.00	
		HIGH	QPSK	15.34	15.52	15.58	17.00	
50	LOW	QPSK	15.52	15.32	15.38	17.00		
10	1	LOW	Q16	15.56	15.30	15.64	17.00	
		MID	Q16	15.44	15.46	15.54	17.00	
		HIGH	Q16	15.42	15.57	15.47	17.00	
	25	LOW	Q16	15.53	15.51	15.47	17.00	
		MID	Q16	15.37	15.31	15.54	17.00	
		HIGH	Q16	15.37	15.52	15.58	17.00	
50	LOW	Q16	15.38	15.45	15.41	17.00		
10	1	LOW	64QAM	15.66	15.42	15.57	17.00	
		MID	64QAM	15.50	15.76	15.50	17.00	
		HIGH	64QAM	15.48	15.77	15.52	17.00	
	25	LOW	64QAM	15.52	15.52	15.38	17.00	
		MID	64QAM	15.28	15.34	15.50	17.00	
		HIGH	64QAM	15.55	15.48	15.66	17.00	
	50	LOW	64QAM	15.47	15.54	15.40	17.00	

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	15.76	15.42	15.47	17.00	
		MID	QPSK	15.41	15.36	15.68	17.00	
		HIGH	QPSK	15.52	15.40	15.38	17.00	
	36	LOW	QPSK	15.43	15.34	15.55	17.00	
		MID	QPSK	15.41	15.31	15.39	17.00	
		HIGH	QPSK	15.27	15.54	15.38	17.00	
	75	LOW	QPSK	15.36	15.49	15.49	17.00	
	15	1	LOW	Q16	15.72	15.53	15.45	17.00
			MID	Q16	15.44	15.42	15.57	17.00
HIGH			Q16	15.50	15.32	15.40	17.00	
36		LOW	Q16	15.40	15.28	15.41	17.00	
		MID	Q16	15.34	15.35	15.57	17.00	
		HIGH	Q16	15.34	15.38	15.42	17.00	
75		LOW	Q16	15.41	15.37	15.49	17.00	
15		1	LOW	64QAM	15.51	15.57	15.52	17.00
			MID	64QAM	15.38	15.74	15.40	17.00
	HIGH		64QAM	15.47	15.74	15.49	17.00	
	36	LOW	64QAM	15.60	15.58	15.42	17.00	
		MID	64QAM	15.48	15.38	15.38	17.00	
		HIGH	64QAM	15.55	15.52	15.57	17.00	
	75	LOW	64QAM	15.45	15.50	15.31	17.00	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	15.78	15.64	15.69	17.00
MID			QPSK	15.63	15.74	15.68	17.00	
HIGH			QPSK	15.61	15.78	15.76	17.00	
50		LOW	QPSK	15.85	15.72	15.78	17.00	
		MID	QPSK	15.83	15.77	15.80	17.00	
		HIGH	QPSK	15.72	15.79	15.76	17.00	
100		LOW	QPSK	15.80	15.74	15.79	17.00	
20		1	LOW	Q16	16.10	16.07	16.02	17.00
			MID	Q16	15.90	16.11	16.02	17.00
	HIGH		Q16	15.90	16.09	15.89	17.00	
	50	LOW	Q16	15.85	15.83	15.98	17.00	
		MID	Q16	15.89	15.86	15.94	17.00	
		HIGH	Q16	15.82	15.92	15.90	17.00	
	100	LOW	Q16	15.87	15.83	15.92	17.00	
	20	1	LOW	64QAM	16.03	15.97	15.92	17.00
			MID	64QAM	15.84	16.08	15.92	17.00
HIGH			64QAM	15.85	16.12	16.01	17.00	
50		LOW	64QAM	15.97	15.98	15.93	17.00	
		MID	64QAM	15.85	15.72	15.90	17.00	
		HIGH	64QAM	15.93	15.97	16.03	17.00	
100		LOW	64QAM	15.93	15.96	15.88	17.00	

LTE B7-State 16 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	14.89	14.68	14.95	16.50	
		MID	QPSK	14.65	14.89	14.70	16.50	
		HIGH	QPSK	14.76	14.95	14.69	16.50	
	12	LOW	QPSK	14.93	14.81	14.76	16.50	
		MID	QPSK	14.90	14.97	14.92	16.50	
		HIGH	QPSK	14.93	14.84	14.76	16.50	
	25	LOW	QPSK	14.91	14.90	14.78	16.50	
	5	1	LOW	Q16	15.07	15.00	15.18	16.50
			MID	Q16	14.90	15.11	15.08	16.50
HIGH			Q16	15.04	15.32	14.91	16.50	
12		LOW	Q16	14.99	15.02	15.11	16.50	
		MID	Q16	15.01	14.96	14.95	16.50	
		HIGH	Q16	14.88	15.02	15.06	16.50	
25		LOW	Q16	15.06	14.99	14.95	16.50	
5		1	LOW	64QAM	15.19	14.91	15.11	16.50
			MID	64QAM	15.09	15.14	14.87	16.50
	HIGH		64QAM	15.15	15.16	15.14	16.50	
	12	LOW	64QAM	14.80	14.85	14.96	16.50	
		MID	64QAM	15.02	15.16	15.17	16.50	
		HIGH	64QAM	14.96	14.96	14.94	16.50	
	25	LOW	64QAM	15.03	14.77	15.00	16.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	14.82	14.69	14.76	16.50
MID			QPSK	14.71	14.99	14.75	16.50	
HIGH			QPSK	14.63	14.82	14.75	16.50	
25		LOW	QPSK	15.04	14.94	14.92	16.50	
		MID	QPSK	14.85	14.83	14.99	16.50	
		HIGH	QPSK	14.83	15.02	14.78	16.50	
50	LOW	QPSK	14.95	14.81	14.78	16.50		
10	1	LOW	Q16	15.19	15.00	15.12	16.50	
		MID	Q16	14.84	15.11	14.99	16.50	
		HIGH	Q16	15.09	15.10	15.08	16.50	
	25	LOW	Q16	14.90	14.90	14.93	16.50	
		MID	Q16	15.10	14.85	15.02	16.50	
		HIGH	Q16	14.91	15.02	14.96	16.50	
50	LOW	Q16	14.93	14.92	15.15	16.50		
10	1	LOW	64QAM	15.24	15.10	15.26	16.50	
		MID	64QAM	15.00	15.15	14.87	16.50	
		HIGH	64QAM	14.95	15.21	15.00	16.50	
	25	LOW	64QAM	14.96	14.77	15.00	16.50	
		MID	64QAM	15.09	15.08	15.25	16.50	
		HIGH	64QAM	14.88	15.04	15.00	16.50	
	50	LOW	64QAM	14.97	14.71	15.11	16.50	

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	14.87	14.85	14.79	16.50	
		MID	QPSK	14.67	14.83	14.79	16.50	
		HIGH	QPSK	14.61	15.00	14.66	16.50	
	36	LOW	QPSK	14.89	14.78	14.94	16.50	
		MID	QPSK	15.04	14.81	14.96	16.50	
		HIGH	QPSK	14.75	14.90	14.79	16.50	
	75	LOW	QPSK	14.95	14.87	14.86	16.50	
	15	1	LOW	Q16	15.10	15.14	15.15	16.50
			MID	Q16	15.07	15.22	15.02	16.50
HIGH			Q16	14.98	15.29	15.03	16.50	
36		LOW	Q16	14.83	14.93	15.03	16.50	
		MID	Q16	14.87	14.82	14.99	16.50	
		HIGH	Q16	14.79	15.13	15.03	16.50	
75		LOW	Q16	14.92	14.84	14.93	16.50	
15		1	LOW	64QAM	15.07	15.13	15.19	16.50
			MID	64QAM	15.10	15.17	14.96	16.50
	HIGH		64QAM	14.98	15.21	14.95	16.50	
	36	LOW	64QAM	14.74	14.73	15.16	16.50	
		MID	64QAM	15.04	14.99	15.11	16.50	
		HIGH	64QAM	14.93	15.12	14.97	16.50	
	75	LOW	64QAM	14.99	14.68	15.14	16.50	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	14.83	14.81	14.91	16.50
MID			QPSK	14.80	14.95	14.76	16.50	
HIGH			QPSK	14.76	14.94	14.79	16.50	
50		LOW	QPSK	15.04	14.90	14.88	16.50	
		MID	QPSK	15.02	14.93	14.93	16.50	
		HIGH	QPSK	14.90	14.96	14.91	16.50	
100	LOW	QPSK	14.95	14.91	14.93	16.50		
20	1	LOW	Q16	15.19	15.08	15.15	16.50	
		MID	Q16	15.01	15.20	15.11	16.50	
		HIGH	Q16	15.01	15.24	15.06	16.50	
	50	LOW	Q16	14.96	14.99	15.08	16.50	
		MID	Q16	15.04	14.97	15.07	16.50	
		HIGH	Q16	14.95	15.05	15.01	16.50	
100	LOW	Q16	15.01	14.96	15.07	16.50		
20	1	LOW	64QAM	15.24	15.08	15.28	16.50	
		MID	64QAM	15.15	15.12	15.01	16.50	
		HIGH	64QAM	15.12	15.30	15.12	16.50	
	50	LOW	64QAM	14.89	14.86	15.11	16.50	
		MID	64QAM	15.04	15.11	15.19	16.50	
		HIGH	64QAM	14.92	15.07	15.09	16.50	
100	LOW	64QAM	14.96	14.81	15.17	16.50		

LTE B7-State 18 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	11.94	11.93	12.07	13.50	
		MID	QPSK	12.05	11.86	11.84	13.50	
		HIGH	QPSK	11.95	11.73	11.88	13.50	
	12	LOW	QPSK	12.05	12.01	11.97	13.50	
		MID	QPSK	12.08	11.87	12.03	13.50	
		HIGH	QPSK	11.88	11.91	12.00	13.50	
	25	LOW	QPSK	12.01	11.90	11.98	13.50	
	5	1	LOW	Q16	12.09	11.94	12.08	13.50
			MID	Q16	12.15	11.99	12.15	13.50
HIGH			Q16	12.00	12.07	12.08	13.50	
12		LOW	Q16	11.94	11.91	12.19	13.50	
		MID	Q16	12.15	12.04	12.10	13.50	
		HIGH	Q16	12.00	12.18	11.85	13.50	
25		LOW	Q16	12.14	12.08	12.16	13.50	
5		1	LOW	64QAM	12.08	12.05	12.32	13.50
			MID	64QAM	12.07	11.99	12.22	13.50
	HIGH		64QAM	11.98	12.09	12.03	13.50	
	12	LOW	64QAM	12.04	11.86	12.24	13.50	
		MID	64QAM	12.11	11.92	12.20	13.50	
		HIGH	64QAM	11.85	12.02	11.85	13.50	
	25	LOW	64QAM	12.13	11.88	12.17	13.50	
	10	1	LOW	QPSK	11.86	11.76	12.05	13.50
			MID	QPSK	12.03	11.91	11.73	13.50
HIGH			QPSK	11.94	11.77	11.85	13.50	
25			LOW	QPSK	12.05	11.97	11.91	13.50
MID			QPSK	11.94	11.84	11.95	13.50	
HIGH			QPSK	11.96	11.97	11.99	13.50	
50		LOW	QPSK	12.07	11.90	11.90	13.50	
		1	LOW	Q16	12.16	12.10	12.12	13.50
			MID	Q16	12.02	12.06	12.15	13.50
			HIGH	Q16	12.12	11.97	12.15	13.50
		25	LOW	Q16	12.03	11.99	12.07	13.50
			MID	Q16	12.09	11.92	11.97	13.50
HIGH	Q16		11.99	12.02	11.96	13.50		
50	LOW	Q16	12.08	11.94	11.99	13.50		
10	1	LOW	64QAM	12.01	12.16	12.31	13.50	
		MID	64QAM	12.16	12.15	12.06	13.50	
		HIGH	64QAM	11.98	12.07	11.97	13.50	
	25	LOW	64QAM	12.01	11.81	12.15	13.50	
		MID	64QAM	11.99	11.99	12.10	13.50	
		HIGH	64QAM	11.83	11.99	11.89	13.50	
	50	LOW	64QAM	11.95	11.98	11.99	13.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	11.91	11.82	12.03	13.50	
		MID	QPSK	11.86	11.90	11.72	13.50	
		HIGH	QPSK	12.06	11.78	11.79	13.50	
	36	LOW	QPSK	12.10	11.99	11.87	13.50	
		MID	QPSK	12.10	11.89	12.01	13.50	
		HIGH	QPSK	11.93	11.95	11.97	13.50	
	75	LOW	QPSK	12.00	11.97	12.03	13.50	
	15	1	LOW	Q16	12.24	11.98	12.17	13.50
			MID	Q16	12.11	12.05	12.05	13.50
HIGH			Q16	12.01	12.13	12.01	13.50	
36		LOW	Q16	11.88	12.10	12.05	13.50	
		MID	Q16	11.99	12.08	11.99	13.50	
		HIGH	Q16	11.99	12.10	11.95	13.50	
75		LOW	Q16	12.14	12.08	12.02	13.50	
15		1	LOW	64QAM	12.15	12.10	12.14	13.50
			MID	64QAM	12.01	12.06	12.15	13.50
	HIGH		64QAM	12.03	12.19	11.93	13.50	
	36	LOW	64QAM	12.00	11.84	12.13	13.50	
		MID	64QAM	11.97	12.03	12.10	13.50	
		HIGH	64QAM	11.94	11.99	11.98	13.50	
	75	LOW	64QAM	12.03	11.93	12.05	13.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	11.92	11.88	12.01	13.50
MID			QPSK	11.99	11.91	11.85	13.50	
HIGH			QPSK	12.02	11.84	11.87	13.50	
50		LOW	QPSK	12.11	11.99	11.98	13.50	
		MID	QPSK	12.04	11.97	12.01	13.50	
		HIGH	QPSK	11.98	12.03	11.98	13.50	
100	LOW	QPSK	12.05	11.98	12.02	13.50		
20	1	LOW	Q16	12.20	12.05	12.21	13.50	
		MID	Q16	12.09	12.06	12.15	13.50	
		HIGH	Q16	12.07	12.08	12.09	13.50	
	50	LOW	Q16	12.01	12.04	12.13	13.50	
		MID	Q16	12.10	12.02	12.04	13.50	
		HIGH	Q16	12.01	12.12	11.97	13.50	
100	LOW	Q16	12.10	12.02	12.10	13.50		
20	1	LOW	64QAM	12.14	12.15	12.27	13.50	
		MID	64QAM	12.14	12.11	12.17	13.50	
		HIGH	64QAM	12.10	12.19	12.05	13.50	
	50	LOW	64QAM	12.06	11.92	12.22	13.50	
		MID	64QAM	12.05	11.99	12.14	13.50	
		HIGH	64QAM	11.95	11.97	11.93	13.50	
	100	LOW	64QAM	12.08	12.00	12.11	13.50	

LTE B7-State 20 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	12.35	12.26	12.59	14.00	
		MID	QPSK	12.59	12.36	12.69	14.00	
		HIGH	QPSK	12.23	12.61	12.14	14.00	
	12	LOW	QPSK	12.71	12.71	12.64	14.00	
		MID	QPSK	12.41	12.73	12.70	14.00	
		HIGH	QPSK	12.43	12.69	12.50	14.00	
	25	LOW	QPSK	12.57	12.75	12.77	14.00	
	5	1	LOW	Q16	12.73	12.73	12.80	14.00
			MID	Q16	12.84	12.68	13.15	14.00
HIGH			Q16	12.58	12.84	12.49	14.00	
12		LOW	Q16	12.40	12.54	12.92	14.00	
		MID	Q16	12.44	12.76	12.68	14.00	
		HIGH	Q16	12.51	12.64	12.45	14.00	
25		LOW	Q16	12.62	12.29	12.79	14.00	
5		1	LOW	64QAM	12.68	12.57	12.89	14.00
			MID	64QAM	12.78	12.65	12.95	14.00
	HIGH		64QAM	12.67	12.85	12.54	14.00	
	12	LOW	64QAM	12.43	12.43	12.77	14.00	
		MID	64QAM	12.48	12.76	12.58	14.00	
		HIGH	64QAM	12.46	12.65	12.16	14.00	
	25	LOW	64QAM	12.57	12.50	12.90	14.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	12.34	12.42	12.53	14.00
MID			QPSK	12.49	12.40	12.59	14.00	
HIGH			QPSK	12.25	12.77	12.24	14.00	
25		LOW	QPSK	12.71	12.85	12.49	14.00	
		MID	QPSK	12.43	12.65	12.50	14.00	
		HIGH	QPSK	12.49	12.56	12.50	14.00	
50	LOW	QPSK	12.60	12.65	12.65	14.00		
10	1	LOW	Q16	12.78	12.63	12.80	14.00	
		MID	Q16	12.68	12.56	13.00	14.00	
		HIGH	Q16	12.74	12.76	12.62	14.00	
	25	LOW	Q16	12.37	12.57	12.85	14.00	
		MID	Q16	12.61	12.61	12.62	14.00	
		HIGH	Q16	12.49	12.72	12.42	14.00	
50	LOW	Q16	12.60	12.35	12.88	14.00		
10	1	LOW	64QAM	12.69	12.67	12.84	14.00	
		MID	64QAM	12.81	12.73	12.80	14.00	
		HIGH	64QAM	12.71	12.83	12.57	14.00	
	25	LOW	64QAM	12.45	12.40	12.61	14.00	
		MID	64QAM	12.45	12.87	12.58	14.00	
		HIGH	64QAM	12.39	12.69	12.22	14.00	
	50	LOW	64QAM	12.62	12.55	12.99	14.00	

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	12.47	12.28	12.51	14.00	
		MID	QPSK	12.48	12.32	12.55	14.00	
		HIGH	QPSK	12.36	12.62	12.15	14.00	
	36	LOW	QPSK	12.72	12.71	12.63	14.00	
		MID	QPSK	12.41	12.73	12.65	14.00	
		HIGH	QPSK	12.39	12.66	12.48	14.00	
	75	LOW	QPSK	12.55	12.78	12.72	14.00	
	15	1	LOW	Q16	12.83	12.70	12.84	14.00
			MID	Q16	12.65	12.64	12.89	14.00
HIGH			Q16	12.58	12.83	12.63	14.00	
36		LOW	Q16	12.41	12.52	12.80	14.00	
		MID	Q16	12.42	12.64	12.74	14.00	
		HIGH	Q16	12.56	12.84	12.26	14.00	
75		LOW	Q16	12.52	12.40	12.79	14.00	
15		1	LOW	64QAM	12.68	12.68	12.78	14.00
			MID	64QAM	12.88	12.61	12.82	14.00
	HIGH		64QAM	12.66	12.84	12.46	14.00	
	36	LOW	64QAM	12.53	12.49	12.63	14.00	
		MID	64QAM	12.45	12.69	12.50	14.00	
		HIGH	64QAM	12.49	12.65	12.28	14.00	
	75	LOW	64QAM	12.69	12.42	12.85	14.00	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	12.41	12.40	12.59	14.00
MID			QPSK	12.58	12.38	12.69	14.00	
HIGH			QPSK	12.30	12.71	12.24	14.00	
50		LOW	QPSK	12.76	12.85	12.63	14.00	
		MID	QPSK	12.52	12.74	12.64	14.00	
		HIGH	QPSK	12.45	12.65	12.59	14.00	
100	LOW	QPSK	12.60	12.75	12.71	14.00		
20	1	LOW	Q16	12.79	12.67	12.80	14.00	
		MID	Q16	12.78	12.64	13.14	14.00	
		HIGH	Q16	12.69	12.84	12.58	14.00	
	50	LOW	Q16	12.47	12.57	12.86	14.00	
		MID	Q16	12.55	12.72	12.68	14.00	
		HIGH	Q16	12.59	12.78	12.40	14.00	
100	LOW	Q16	12.66	12.39	12.87	14.00		
20	1	LOW	64QAM	12.65	12.73	12.84	14.00	
		MID	64QAM	12.84	12.70	12.94	14.00	
		HIGH	64QAM	12.66	12.79	12.60	14.00	
	50	LOW	64QAM	12.56	12.44	12.74	14.00	
		MID	64QAM	12.56	12.82	12.63	14.00	
		HIGH	64QAM	12.52	12.68	12.27	14.00	
100	LOW	64QAM	12.63	12.51	12.95	14.00		

LTE B7-State 11-Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	18.38	18.40	18.41	20.00	
		MID	QPSK	18.29	18.50	18.51	20.00	
		HIGH	QPSK	18.22	18.47	18.46	20.00	
	12	LOW	QPSK	18.43	18.44	18.52	20.00	
		MID	QPSK	18.49	18.38	18.63	20.00	
		HIGH	QPSK	18.28	18.37	18.54	20.00	
	25	LOW	QPSK	18.63	18.38	18.67	20.00	
	5	1	LOW	Q16	18.98	18.98	18.89	20.00
			MID	Q16	18.86	19.03	18.91	20.00
HIGH			Q16	18.97	18.90	18.76	20.00	
12		LOW	Q16	18.50	18.55	18.65	20.00	
		MID	Q16	18.37	18.60	18.55	20.00	
		HIGH	Q16	18.41	18.49	18.54	20.00	
25		LOW	Q16	18.68	18.54	18.52	20.00	
5		1	LOW	64QAM	18.84	18.81	18.75	20.00
			MID	64QAM	18.87	18.98	18.75	20.00
	HIGH		64QAM	18.84	18.99	18.88	20.00	
	12	LOW	64QAM	18.37	18.41	18.58	20.00	
		MID	64QAM	18.48	18.48	18.59	20.00	
		HIGH	64QAM	18.42	18.43	18.59	20.00	
	25	LOW	64QAM	18.41	18.54	18.59	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	18.35	18.49	18.42	20.00
MID			QPSK	18.31	18.49	18.31	20.00	
HIGH			QPSK	18.36	18.73	18.24	20.00	
25		LOW	QPSK	18.45	18.34	18.68	20.00	
		MID	QPSK	18.29	18.56	18.55	20.00	
		HIGH	QPSK	18.23	18.62	18.66	20.00	
50	LOW	QPSK	18.37	18.58	18.46	20.00		
10	1	LOW	Q16	18.91	18.73	18.75	20.00	
		MID	Q16	18.81	18.78	18.88	20.00	
		HIGH	Q16	18.74	18.91	18.89	20.00	
	25	LOW	Q16	18.48	18.32	18.52	20.00	
		MID	Q16	18.59	18.45	18.50	20.00	
		HIGH	Q16	18.55	18.39	18.34	20.00	
50	LOW	Q16	18.61	18.43	18.49	20.00		
10	1	LOW	64QAM	18.99	18.98	18.93	20.00	
		MID	64QAM	18.83	18.82	18.91	20.00	
		HIGH	64QAM	18.85	18.88	18.83	20.00	
	25	LOW	64QAM	18.51	18.48	18.56	20.00	
		MID	64QAM	18.44	18.53	18.42	20.00	
		HIGH	64QAM	18.33	18.51	18.60	20.00	
	50	LOW	64QAM	18.63	18.36	18.56	20.00	

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.45	18.36	18.50	20.00	
		MID	QPSK	18.35	18.54	18.56	20.00	
		HIGH	QPSK	18.45	18.61	18.37	20.00	
	36	LOW	QPSK	18.43	18.60	18.71	20.00	
		MID	QPSK	18.45	18.45	18.47	20.00	
		HIGH	QPSK	18.36	18.35	18.55	20.00	
	75	LOW	QPSK	18.63	18.36	18.60	20.00	
	15	1	LOW	Q16	18.82	18.80	18.92	20.00
			MID	Q16	18.75	18.89	18.89	20.00
HIGH			Q16	18.79	18.77	18.64	20.00	
36		LOW	Q16	18.62	18.31	18.52	20.00	
		MID	Q16	18.54	18.31	18.65	20.00	
		HIGH	Q16	18.38	18.61	18.50	20.00	
75		LOW	Q16	18.52	18.33	18.48	20.00	
15		1	LOW	64QAM	18.88	19.00	18.81	20.00
			MID	64QAM	18.95	18.79	18.69	20.00
	HIGH		64QAM	18.84	18.81	18.66	20.00	
	36	LOW	64QAM	18.42	18.32	18.47	20.00	
		MID	64QAM	18.50	18.31	18.44	20.00	
		HIGH	64QAM	18.28	18.50	18.61	20.00	
	75	LOW	64QAM	18.67	18.49	18.51	20.00	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	18.39	18.39	18.46	20.00
MID			QPSK	18.33	18.50	18.45	20.00	
HIGH			QPSK	18.32	18.58	18.35	20.00	
50		LOW	QPSK	18.35	18.57	18.47	20.00	
		MID	QPSK	18.44	18.60	18.51	20.00	
		HIGH	QPSK	18.35	18.55	18.49	20.00	
100	LOW	QPSK	18.48	18.56	18.44	20.00		
20	1	LOW	Q16	18.75	18.67	18.66	20.00	
		MID	Q16	18.65	18.70	18.63	20.00	
		HIGH	Q16	18.67	18.70	18.58	20.00	
	50	LOW	Q16	18.49	18.42	18.55	20.00	
		MID	Q16	18.46	18.45	18.54	20.00	
		HIGH	Q16	18.40	18.49	18.48	20.00	
100	LOW	Q16	18.53	18.46	18.53	20.00		
20	1	LOW	64QAM	18.75	18.56	18.77	20.00	
		MID	64QAM	18.57	18.64	18.72	20.00	
		HIGH	64QAM	18.53	18.68	18.53	20.00	
	50	LOW	64QAM	18.64	18.43	18.66	20.00	
		MID	64QAM	18.36	18.51	18.51	20.00	
		HIGH	64QAM	18.32	18.44	18.44	20.00	
100	LOW	64QAM	18.62	18.49	18.38	20.00		

LTE B7-State 15 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	18.38	18.40	18.41	20.00	
		MID	QPSK	18.29	18.50	18.51	20.00	
		HIGH	QPSK	18.22	18.47	18.46	20.00	
	12	LOW	QPSK	18.43	18.44	18.52	20.00	
		MID	QPSK	18.49	18.38	18.63	20.00	
		HIGH	QPSK	18.28	18.37	18.54	20.00	
	25	LOW	QPSK	18.63	18.38	18.67	20.00	
	5	1	LOW	Q16	18.98	18.98	18.89	20.00
			MID	Q16	18.86	19.03	18.91	20.00
HIGH			Q16	18.97	18.90	18.76	20.00	
12		LOW	Q16	18.50	18.55	18.65	20.00	
		MID	Q16	18.37	18.60	18.55	20.00	
		HIGH	Q16	18.41	18.49	18.54	20.00	
25		LOW	Q16	18.68	18.54	18.52	20.00	
5		1	LOW	64QAM	18.84	18.81	18.75	20.00
			MID	64QAM	18.87	18.98	18.75	20.00
	HIGH		64QAM	18.84	18.99	18.88	20.00	
	12	LOW	64QAM	18.37	18.41	18.58	20.00	
		MID	64QAM	18.48	18.48	18.59	20.00	
		HIGH	64QAM	18.42	18.43	18.59	20.00	
	25	LOW	64QAM	18.41	18.54	18.59	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	18.35	18.49	18.42	20.00
MID			QPSK	18.31	18.49	18.31	20.00	
HIGH			QPSK	18.36	18.73	18.24	20.00	
25		LOW	QPSK	18.45	18.34	18.68	20.00	
		MID	QPSK	18.29	18.56	18.55	20.00	
		HIGH	QPSK	18.23	18.62	18.66	20.00	
50	LOW	QPSK	18.37	18.58	18.46	20.00		
10	1	LOW	Q16	18.91	18.73	18.75	20.00	
		MID	Q16	18.81	18.78	18.88	20.00	
		HIGH	Q16	18.74	18.91	18.89	20.00	
	25	LOW	Q16	18.48	18.32	18.52	20.00	
		MID	Q16	18.59	18.45	18.50	20.00	
		HIGH	Q16	18.55	18.39	18.34	20.00	
50	LOW	Q16	18.61	18.43	18.49	20.00		
10	1	LOW	64QAM	18.99	18.98	18.93	20.00	
		MID	64QAM	18.83	18.82	18.91	20.00	
		HIGH	64QAM	18.85	18.88	18.83	20.00	
	25	LOW	64QAM	18.51	18.48	18.56	20.00	
		MID	64QAM	18.44	18.53	18.42	20.00	
		HIGH	64QAM	18.33	18.51	18.60	20.00	
	50	LOW	64QAM	18.63	18.36	18.56	20.00	

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.45	18.36	18.50	20.00	
		MID	QPSK	18.35	18.54	18.56	20.00	
		HIGH	QPSK	18.45	18.61	18.37	20.00	
	36	LOW	QPSK	18.43	18.60	18.71	20.00	
		MID	QPSK	18.45	18.45	18.47	20.00	
		HIGH	QPSK	18.36	18.35	18.55	20.00	
	75	LOW	QPSK	18.63	18.36	18.60	20.00	
	15	1	LOW	Q16	18.82	18.80	18.92	20.00
			MID	Q16	18.75	18.89	18.89	20.00
HIGH			Q16	18.79	18.77	18.64	20.00	
36		LOW	Q16	18.62	18.31	18.52	20.00	
		MID	Q16	18.54	18.31	18.65	20.00	
		HIGH	Q16	18.38	18.61	18.50	20.00	
75		LOW	Q16	18.52	18.33	18.48	20.00	
15		1	LOW	64QAM	18.88	19.00	18.81	20.00
			MID	64QAM	18.95	18.79	18.69	20.00
	HIGH		64QAM	18.84	18.81	18.66	20.00	
	36	LOW	64QAM	18.42	18.32	18.47	20.00	
		MID	64QAM	18.50	18.31	18.44	20.00	
		HIGH	64QAM	18.28	18.50	18.61	20.00	
	75	LOW	64QAM	18.67	18.49	18.51	20.00	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	18.39	18.39	18.46	20.00
MID			QPSK	18.33	18.50	18.45	20.00	
HIGH			QPSK	18.32	18.58	18.35	20.00	
50		LOW	QPSK	18.35	18.57	18.47	20.00	
		MID	QPSK	18.44	18.60	18.51	20.00	
		HIGH	QPSK	18.35	18.55	18.49	20.00	
100	LOW	QPSK	18.48	18.56	18.44	20.00		
20	1	LOW	Q16	18.75	18.67	18.66	20.00	
		MID	Q16	18.65	18.70	18.63	20.00	
		HIGH	Q16	18.67	18.70	18.58	20.00	
	50	LOW	Q16	18.49	18.42	18.55	20.00	
		MID	Q16	18.46	18.45	18.54	20.00	
		HIGH	Q16	18.40	18.49	18.48	20.00	
100	LOW	Q16	18.53	18.46	18.53	20.00		
20	1	LOW	64QAM	18.75	18.56	18.77	20.00	
		MID	64QAM	18.57	18.64	18.72	20.00	
		HIGH	64QAM	18.53	18.68	18.53	20.00	
	50	LOW	64QAM	18.64	18.43	18.66	20.00	
		MID	64QAM	18.36	18.51	18.51	20.00	
		HIGH	64QAM	18.32	18.44	18.44	20.00	
100	LOW	64QAM	18.62	18.49	18.38	20.00		

LTE B7-State 17 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	16.99	16.75	16.79	18.50	
		MID	QPSK	16.84	16.91	16.73	18.50	
		HIGH	QPSK	16.75	16.91	16.64	18.50	
	12	LOW	QPSK	16.96	17.16	17.01	18.50	
		MID	QPSK	17.03	17.10	16.90	18.50	
		HIGH	QPSK	16.90	17.00	16.96	18.50	
	25	LOW	QPSK	17.06	16.97	16.76	18.50	
	5	1	LOW	Q16	17.17	17.07	17.03	18.50
			MID	Q16	17.12	17.27	17.06	18.50
HIGH			Q16	16.96	17.35	17.11	18.50	
12		LOW	Q16	16.91	17.01	17.06	18.50	
		MID	Q16	17.07	16.93	17.16	18.50	
		HIGH	Q16	16.94	17.03	17.08	18.50	
25		LOW	Q16	16.86	16.90	17.10	18.50	
5		1	LOW	64QAM	17.32	17.06	16.99	18.50
			MID	64QAM	17.06	17.20	16.99	18.50
	HIGH		64QAM	17.10	17.28	17.09	18.50	
	12	LOW	64QAM	16.91	16.89	17.15	18.50	
		MID	64QAM	16.90	16.98	16.91	18.50	
		HIGH	64QAM	17.07	17.14	16.95	18.50	
	25	LOW	64QAM	16.82	16.74	17.18	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	16.99	16.83	16.77	18.50
MID			QPSK	16.85	17.10	16.79	18.50	
HIGH			QPSK	16.80	16.88	16.81	18.50	
25		LOW	QPSK	16.94	17.06	17.01	18.50	
		MID	QPSK	17.05	16.91	16.81	18.50	
		HIGH	QPSK	17.00	16.90	16.86	18.50	
50	LOW	QPSK	16.94	17.07	16.78	18.50		
10	1	LOW	Q16	17.20	17.21	17.06	18.50	
		MID	Q16	16.92	17.27	17.11	18.50	
		HIGH	Q16	17.03	17.37	17.10	18.50	
	25	LOW	Q16	17.10	16.80	17.00	18.50	
		MID	Q16	16.98	17.05	17.18	18.50	
		HIGH	Q16	17.08	16.98	16.91	18.50	
50	LOW	Q16	17.10	17.06	16.96	18.50		
10	1	LOW	64QAM	17.08	17.14	17.14	18.50	
		MID	64QAM	17.18	17.16	17.11	18.50	
		HIGH	64QAM	17.24	17.35	17.09	18.50	
	25	LOW	64QAM	16.98	16.84	17.11	18.50	
		MID	64QAM	16.83	16.98	16.79	18.50	
		HIGH	64QAM	16.98	17.09	17.09	18.50	
	50	LOW	64QAM	16.91	16.88	17.08	18.50	

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	17.02	16.72	16.81	18.50	
		MID	QPSK	16.75	16.99	16.91	18.50	
		HIGH	QPSK	16.93	17.00	16.86	18.50	
	36	LOW	QPSK	16.96	17.08	16.75	18.50	
		MID	QPSK	17.05	17.03	16.95	18.50	
		HIGH	QPSK	17.03	16.98	16.87	18.50	
	75	LOW	QPSK	16.91	17.02	16.98	18.50	
	15	1	LOW	Q16	17.12	17.11	17.10	18.50
			MID	Q16	17.00	17.31	17.15	18.50
HIGH			Q16	17.10	17.25	16.96	18.50	
36		LOW	Q16	16.89	16.91	16.97	18.50	
		MID	Q16	17.17	17.02	16.94	18.50	
		HIGH	Q16	17.03	17.12	16.88	18.50	
75		LOW	Q16	16.96	16.90	16.86	18.50	
15		1	LOW	64QAM	17.11	17.19	17.20	18.50
			MID	64QAM	17.01	17.27	17.16	18.50
	HIGH		64QAM	17.02	17.35	16.95	18.50	
	36	LOW	64QAM	16.96	17.06	17.08	18.50	
		MID	64QAM	16.80	17.06	16.80	18.50	
		HIGH	64QAM	17.21	17.21	16.97	18.50	
	75	LOW	64QAM	16.98	16.73	16.97	18.50	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	16.94	16.85	16.89	18.50
MID			QPSK	16.82	17.01	16.86	18.50	
HIGH			QPSK	16.85	17.03	16.81	18.50	
50		LOW	QPSK	16.96	17.11	16.94	18.50	
		MID	QPSK	16.98	17.10	16.98	18.50	
		HIGH	QPSK	16.98	17.07	17.01	18.50	
100	LOW	QPSK	17.03	17.09	16.95	18.50		
20	1	LOW	Q16	17.15	17.16	17.15	18.50	
		MID	Q16	17.07	17.22	17.13	18.50	
		HIGH	Q16	17.03	17.30	17.08	18.50	
	50	LOW	Q16	17.01	16.99	17.09	18.50	
		MID	Q16	17.10	17.00	17.09	18.50	
		HIGH	Q16	17.01	17.05	17.03	18.50	
100	LOW	Q16	17.05	16.98	17.05	18.50		
20	1	LOW	64QAM	17.25	17.21	17.11	18.50	
		MID	64QAM	17.20	17.30	17.13	18.50	
		HIGH	64QAM	17.17	17.35	17.02	18.50	
	50	LOW	64QAM	17.10	17.01	17.13	18.50	
		MID	64QAM	16.95	17.03	16.94	18.50	
		HIGH	64QAM	17.12	17.14	17.14	18.50	
100	LOW	64QAM	16.96	16.86	17.11	18.50		

LTE B7-State 19 -Ant.1								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	16.37	16.32	16.24	18.00	
		MID	QPSK	16.22	16.34	16.30	18.00	
		HIGH	QPSK	16.24	16.49	16.20	18.00	
	12	LOW	QPSK	16.40	16.66	16.46	18.00	
		MID	QPSK	16.50	16.63	16.55	18.00	
		HIGH	QPSK	16.40	16.39	16.59	18.00	
	25	LOW	QPSK	16.51	16.53	16.42	18.00	
	5	1	LOW	Q16	16.66	16.47	16.51	18.00
			MID	Q16	16.65	16.70	16.55	18.00
HIGH			Q16	16.50	16.70	16.39	18.00	
12		LOW	Q16	16.50	16.47	16.43	18.00	
		MID	Q16	16.43	16.51	16.65	18.00	
		HIGH	Q16	16.33	16.53	16.57	18.00	
25		LOW	Q16	16.58	16.44	16.49	18.00	
5		1	LOW	64QAM	16.83	16.50	16.74	18.00
			MID	64QAM	16.61	16.56	16.55	18.00
	HIGH		64QAM	16.55	16.81	16.51	18.00	
	12	LOW	64QAM	16.53	16.31	16.67	18.00	
		MID	64QAM	16.61	16.39	16.65	18.00	
		HIGH	64QAM	16.43	16.48	16.43	18.00	
	25	LOW	64QAM	16.68	16.44	16.55	18.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	16.54	16.40	16.24	18.00
MID			QPSK	16.22	16.35	16.48	18.00	
HIGH			QPSK	16.37	16.48	16.32	18.00	
25		LOW	QPSK	16.43	16.51	16.41	18.00	
		MID	QPSK	16.39	16.43	16.57	18.00	
		HIGH	QPSK	16.51	16.63	16.52	18.00	
50	LOW	QPSK	16.41	16.66	16.42	18.00		
10	1	LOW	Q16	16.70	16.67	16.51	18.00	
		MID	Q16	16.58	16.68	16.72	18.00	
		HIGH	Q16	16.40	16.75	16.42	18.00	
	25	LOW	Q16	16.45	16.39	16.53	18.00	
		MID	Q16	16.52	16.55	16.55	18.00	
		HIGH	Q16	16.36	16.38	16.48	18.00	
50	LOW	Q16	16.54	16.34	16.60	18.00		
10	1	LOW	64QAM	16.78	16.56	16.67	18.00	
		MID	64QAM	16.68	16.61	16.34	18.00	
		HIGH	64QAM	16.62	16.66	16.76	18.00	
	25	LOW	64QAM	16.52	16.36	16.64	18.00	
		MID	64QAM	16.52	16.41	16.50	18.00	
		HIGH	64QAM	16.37	16.58	16.28	18.00	
50	LOW	64QAM	16.67	16.28	16.55	18.00		

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	16.39	16.21	16.26	18.00	
		MID	QPSK	16.27	16.34	16.27	18.00	
		HIGH	QPSK	16.26	16.48	16.33	18.00	
	36	LOW	QPSK	16.42	16.56	16.42	18.00	
		MID	QPSK	16.37	16.68	16.62	18.00	
		HIGH	QPSK	16.43	16.56	16.39	18.00	
	75	LOW	QPSK	16.56	16.61	16.48	18.00	
	15	1	LOW	Q16	16.80	16.67	16.71	18.00
			MID	Q16	16.77	16.60	16.57	18.00
HIGH			Q16	16.51	16.89	16.57	18.00	
36		LOW	Q16	16.34	16.42	16.47	18.00	
		MID	Q16	16.37	16.33	16.50	18.00	
		HIGH	Q16	16.44	16.52	16.43	18.00	
75		LOW	Q16	16.54	16.44	16.47	18.00	
15		1	LOW	64QAM	16.80	16.48	16.61	18.00
			MID	64QAM	16.73	16.71	16.58	18.00
	HIGH		64QAM	16.73	16.74	16.53	18.00	
	36	LOW	64QAM	16.42	16.23	16.54	18.00	
		MID	64QAM	16.51	16.30	16.51	18.00	
		HIGH	64QAM	16.55	16.41	16.41	18.00	
	75	LOW	64QAM	16.42	16.36	16.29	18.00	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	16.47	16.37	16.42	18.00
MID			QPSK	16.38	16.52	16.43	18.00	
HIGH			QPSK	16.37	16.56	16.35	18.00	
50		LOW	QPSK	16.50	16.63	16.49	18.00	
		MID	QPSK	16.52	16.61	16.55	18.00	
		HIGH	QPSK	16.48	16.56	16.54	18.00	
100	LOW	QPSK	16.56	16.61	16.50	18.00		
20	1	LOW	Q16	16.83	16.60	16.69	18.00	
		MID	Q16	16.75	16.73	16.65	18.00	
		HIGH	Q16	16.58	16.82	16.57	18.00	
	50	LOW	Q16	16.52	16.49	16.60	18.00	
		MID	Q16	16.55	16.48	16.57	18.00	
		HIGH	Q16	16.49	16.55	16.50	18.00	
100	LOW	Q16	16.51	16.47	16.57	18.00		
20	1	LOW	64QAM	16.83	16.58	16.79	18.00	
		MID	64QAM	16.73	16.64	16.50	18.00	
		HIGH	64QAM	16.70	16.79	16.68	18.00	
	50	LOW	64QAM	16.45	16.34	16.67	18.00	
		MID	64QAM	16.54	16.46	16.68	18.00	
		HIGH	64QAM	16.50	16.58	16.46	18.00	
	100	LOW	64QAM	16.60	16.36	16.47	18.00	

LTE B7-State 12 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	14.89	14.68	14.95	15.50	
		MID	QPSK	14.65	14.89	14.70	15.50	
		HIGH	QPSK	14.76	14.95	14.69	15.50	
	12	LOW	QPSK	14.93	14.81	14.76	15.50	
		MID	QPSK	14.90	14.97	14.92	15.50	
		HIGH	QPSK	14.93	14.84	14.76	15.50	
	25	LOW	QPSK	14.91	14.90	14.78	15.50	
	5	1	LOW	Q16	15.07	15.00	15.18	15.50
			MID	Q16	14.90	15.11	15.08	15.50
HIGH			Q16	15.04	15.32	14.91	15.50	
12		LOW	Q16	14.99	15.02	15.11	15.50	
		MID	Q16	15.01	14.96	14.95	15.50	
		HIGH	Q16	14.88	15.02	15.06	15.50	
25		LOW	Q16	15.06	14.99	14.95	15.50	
5		1	LOW	64QAM	15.19	14.91	15.11	15.50
			MID	64QAM	15.09	15.14	14.87	15.50
	HIGH		64QAM	15.15	15.16	15.14	15.50	
	12	LOW	64QAM	14.80	14.85	14.96	15.50	
		MID	64QAM	15.02	15.16	15.17	15.50	
		HIGH	64QAM	14.96	14.96	14.94	15.50	
	25	LOW	64QAM	15.03	14.77	15.00	15.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	14.82	14.69	14.76	15.50
MID			QPSK	14.71	14.99	14.75	15.50	
HIGH			QPSK	14.63	14.82	14.75	15.50	
25		LOW	QPSK	15.04	14.94	14.92	15.50	
		MID	QPSK	14.85	14.83	14.99	15.50	
		HIGH	QPSK	14.83	15.02	14.78	15.50	
50	LOW	QPSK	14.95	14.81	14.78	15.50		
10	1	LOW	Q16	15.19	15.00	15.12	15.50	
		MID	Q16	14.84	15.11	14.99	15.50	
		HIGH	Q16	15.09	15.10	15.08	15.50	
	25	LOW	Q16	14.90	14.90	14.93	15.50	
		MID	Q16	15.10	14.85	15.02	15.50	
		HIGH	Q16	14.91	15.02	14.96	15.50	
50	LOW	Q16	14.93	14.92	15.15	15.50		
10	1	LOW	64QAM	15.24	15.10	15.26	15.50	
		MID	64QAM	15.00	15.15	14.87	15.50	
		HIGH	64QAM	14.95	15.21	15.00	15.50	
	25	LOW	64QAM	14.96	14.77	15.00	15.50	
		MID	64QAM	15.09	15.08	15.25	15.50	
		HIGH	64QAM	14.88	15.04	15.00	15.50	
	50	LOW	64QAM	14.97	14.71	15.11	15.50	

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	14.87	14.85	14.79	15.50	
		MID	QPSK	14.67	14.83	14.79	15.50	
		HIGH	QPSK	14.61	15.00	14.66	15.50	
	36	LOW	QPSK	14.89	14.78	14.94	15.50	
		MID	QPSK	15.04	14.81	14.96	15.50	
		HIGH	QPSK	14.75	14.90	14.79	15.50	
	75	LOW	QPSK	14.95	14.87	14.86	15.50	
	15	1	LOW	Q16	15.10	15.14	15.15	15.50
			MID	Q16	15.07	15.22	15.02	15.50
HIGH			Q16	14.98	15.29	15.03	15.50	
36		LOW	Q16	14.83	14.93	15.03	15.50	
		MID	Q16	14.87	14.82	14.99	15.50	
		HIGH	Q16	14.79	15.13	15.03	15.50	
75		LOW	Q16	14.92	14.84	14.93	15.50	
15		1	LOW	64QAM	15.07	15.13	15.19	15.50
			MID	64QAM	15.10	15.17	14.96	15.50
	HIGH		64QAM	14.98	15.21	14.95	15.50	
	36	LOW	64QAM	14.74	14.73	15.16	15.50	
		MID	64QAM	15.04	14.99	15.11	15.50	
		HIGH	64QAM	14.93	15.12	14.97	15.50	
	75	LOW	64QAM	14.99	14.68	15.14	15.50	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	14.83	14.81	14.91	15.50
MID			QPSK	14.80	14.95	14.76	15.50	
HIGH			QPSK	14.76	14.94	14.79	15.50	
50		LOW	QPSK	15.04	14.90	14.88	15.50	
		MID	QPSK	15.02	14.93	14.93	15.50	
		HIGH	QPSK	14.90	14.96	14.91	15.50	
100	LOW	QPSK	14.95	14.91	14.93	15.50		
20	1	LOW	Q16	15.19	15.08	15.15	15.50	
		MID	Q16	15.01	15.20	15.11	15.50	
		HIGH	Q16	15.01	15.24	15.06	15.50	
	50	LOW	Q16	14.96	14.99	15.08	15.50	
		MID	Q16	15.04	14.97	15.07	15.50	
		HIGH	Q16	14.95	15.05	15.01	15.50	
100	LOW	Q16	15.01	14.96	15.07	15.50		
20	1	LOW	64QAM	15.24	15.08	15.28	15.50	
		MID	64QAM	15.15	15.12	15.01	15.50	
		HIGH	64QAM	15.12	15.30	15.12	15.50	
	50	LOW	64QAM	14.89	14.86	15.11	15.50	
		MID	64QAM	15.04	15.11	15.19	15.50	
		HIGH	64QAM	14.92	15.07	15.09	15.50	
100	LOW	64QAM	14.96	14.81	15.17	15.50		

LTE B7-State 16 -Ant.1(NSA)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)		
5	1	LOW	QPSK	11.94	11.93	12.07	13.50		
		MID	QPSK	12.05	11.86	11.84	13.50		
		HIGH	QPSK	11.95	11.73	11.88	13.50		
	12	LOW	QPSK	12.05	12.01	11.97	13.50		
		MID	QPSK	12.08	11.87	12.03	13.50		
		HIGH	QPSK	11.88	11.91	12.00	13.50		
	25	LOW	QPSK	12.01	11.90	11.98	13.50		
	5	1	LOW	Q16	12.09	11.94	12.08	13.50	
			MID	Q16	12.15	11.99	12.15	13.50	
HIGH			Q16	12.00	12.07	12.08	13.50		
12		LOW	Q16	11.94	11.91	12.19	13.50		
		MID	Q16	12.15	12.04	12.10	13.50		
		HIGH	Q16	12.00	12.18	11.85	13.50		
25		LOW	Q16	12.14	12.08	12.16	13.50		
5		1	LOW	64QAM	12.08	12.05	12.32	13.50	
			MID	64QAM	12.07	11.99	12.22	13.50	
	HIGH		64QAM	11.98	12.09	12.03	13.50		
	12	LOW	64QAM	12.04	11.86	12.24	13.50		
		MID	64QAM	12.11	11.92	12.20	13.50		
		HIGH	64QAM	11.85	12.02	11.85	13.50		
	25	LOW	64QAM	12.13	11.88	12.17	13.50		
	10	10	1	LOW	QPSK	11.86	11.76	12.05	13.50
				MID	QPSK	12.03	11.91	11.73	13.50
HIGH				QPSK	11.94	11.77	11.85	13.50	
25			LOW	QPSK	12.05	11.97	11.91	13.50	
			MID	QPSK	11.94	11.84	11.95	13.50	
			HIGH	QPSK	11.96	11.97	11.99	13.50	
50		LOW	QPSK	12.07	11.90	11.90	13.50		
10		1	LOW	Q16	12.16	12.10	12.12	13.50	
			MID	Q16	12.02	12.06	12.15	13.50	
			HIGH	Q16	12.12	11.97	12.15	13.50	
		25	LOW	Q16	12.03	11.99	12.07	13.50	
			MID	Q16	12.09	11.92	11.97	13.50	
			HIGH	Q16	11.99	12.02	11.96	13.50	
50		LOW	Q16	12.08	11.94	11.99	13.50		
10		1	LOW	64QAM	12.01	12.16	12.31	13.50	
	MID		64QAM	12.16	12.15	12.06	13.50		
	HIGH		64QAM	11.98	12.07	11.97	13.50		
	25	LOW	64QAM	12.01	11.81	12.15	13.50		
		MID	64QAM	11.99	11.99	12.10	13.50		
		HIGH	64QAM	11.83	11.99	11.89	13.50		
	50	LOW	64QAM	11.95	11.98	11.99	13.50		

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	11.91	11.82	12.03	13.50	
		MID	QPSK	11.86	11.90	11.72	13.50	
		HIGH	QPSK	12.06	11.78	11.79	13.50	
	36	LOW	QPSK	12.10	11.99	11.87	13.50	
		MID	QPSK	12.10	11.89	12.01	13.50	
		HIGH	QPSK	11.93	11.95	11.97	13.50	
	75	LOW	QPSK	12.00	11.97	12.03	13.50	
	15	1	LOW	Q16	12.24	11.98	12.17	13.50
			MID	Q16	12.11	12.05	12.05	13.50
HIGH			Q16	12.01	12.13	12.01	13.50	
36		LOW	Q16	11.88	12.10	12.05	13.50	
		MID	Q16	11.99	12.08	11.99	13.50	
		HIGH	Q16	11.99	12.10	11.95	13.50	
75		LOW	Q16	12.14	12.08	12.02	13.50	
15		1	LOW	64QAM	12.15	12.10	12.14	13.50
			MID	64QAM	12.01	12.06	12.15	13.50
	HIGH		64QAM	12.03	12.19	11.93	13.50	
	36	LOW	64QAM	12.00	11.84	12.13	13.50	
		MID	64QAM	11.97	12.03	12.10	13.50	
		HIGH	64QAM	11.94	11.99	11.98	13.50	
	75	LOW	64QAM	12.03	11.93	12.05	13.50	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	11.92	11.88	12.01	13.50
MID			QPSK	11.99	11.91	11.85	13.50	
HIGH			QPSK	12.02	11.84	11.87	13.50	
50		LOW	QPSK	12.11	11.99	11.98	13.50	
		MID	QPSK	12.04	11.97	12.01	13.50	
		HIGH	QPSK	11.98	12.03	11.98	13.50	
100	LOW	QPSK	12.05	11.98	12.02	13.50		
20	1	LOW	Q16	12.20	12.05	12.21	13.50	
		MID	Q16	12.09	12.06	12.15	13.50	
		HIGH	Q16	12.07	12.08	12.09	13.50	
	50	LOW	Q16	12.01	12.04	12.13	13.50	
		MID	Q16	12.10	12.02	12.04	13.50	
		HIGH	Q16	12.01	12.12	11.97	13.50	
100	LOW	Q16	12.10	12.02	12.10	13.50		
20	1	LOW	64QAM	12.14	12.15	12.27	13.50	
		MID	64QAM	12.14	12.11	12.17	13.50	
		HIGH	64QAM	12.10	12.19	12.05	13.50	
	50	LOW	64QAM	12.06	11.92	12.22	13.50	
		MID	64QAM	12.05	11.99	12.14	13.50	
		HIGH	64QAM	11.95	11.97	11.93	13.50	
100	LOW	64QAM	12.08	12.00	12.11	13.50		

LTE B7-State 18 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	9.70	9.28	9.27	11.00	
		MID	QPSK	9.43	9.37	9.29	11.00	
		HIGH	QPSK	9.48	9.27	9.39	11.00	
	12	LOW	QPSK	9.76	9.38	9.37	11.00	
		MID	QPSK	9.40	9.41	9.32	11.00	
		HIGH	QPSK	9.43	9.35	9.42	11.00	
	25	LOW	QPSK	9.53	9.37	9.49	11.00	
	5	1	LOW	Q16	9.61	9.53	9.68	11.00
			MID	Q16	9.73	9.53	9.62	11.00
HIGH			Q16	9.75	9.51	9.62	11.00	
12		LOW	Q16	9.52	9.61	9.66	11.00	
		MID	Q16	9.49	9.59	9.35	11.00	
		HIGH	Q16	9.48	9.63	9.39	11.00	
25		LOW	Q16	9.52	9.44	9.61	11.00	
5		1	LOW	64QAM	9.53	9.56	9.48	11.00
			MID	64QAM	9.56	9.63	9.41	11.00
	HIGH		64QAM	9.52	9.38	9.31	11.00	
	12	LOW	64QAM	9.65	9.29	9.78	11.00	
		MID	64QAM	9.47	9.36	9.68	11.00	
		HIGH	64QAM	9.31	9.48	9.43	11.00	
	25	LOW	64QAM	9.58	9.34	9.59	11.00	
	10	1	LOW	QPSK	9.57	9.31	9.37	11.00
			MID	QPSK	9.35	9.24	9.30	11.00
HIGH			QPSK	9.50	9.28	9.42	11.00	
LOW			QPSK	9.69	9.32	9.39	11.00	
MID			QPSK	9.46	9.34	9.32	11.00	
HIGH			QPSK	9.49	9.48	9.42	11.00	
25		LOW	QPSK	9.47	9.33	9.48	11.00	
		LOW	Q16	9.53	9.47	9.64	11.00	
		MID	Q16	9.66	9.52	9.64	11.00	
10		1	HIGH	Q16	9.69	9.51	9.66	11.00
			LOW	Q16	9.57	9.49	9.56	11.00
			MID	Q16	9.64	9.51	9.47	11.00
		25	HIGH	Q16	9.41	9.61	9.29	11.00
			LOW	Q16	9.54	9.52	9.47	11.00
			50	LOW	Q16	9.54	9.52	9.47	11.00
10		1	LOW	64QAM	9.43	9.66	9.56	11.00
			MID	64QAM	9.54	9.55	9.41	11.00
			HIGH	64QAM	9.57	9.46	9.31	11.00
	25	LOW	64QAM	9.50	9.41	9.76	11.00	
		MID	64QAM	9.48	9.44	9.57	11.00	
		HIGH	64QAM	9.35	9.49	9.42	11.00	
	50	LOW	64QAM	9.53	9.46	9.54	11.00	

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	9.69	9.26	9.38	11.00	
		MID	QPSK	9.45	9.22	9.18	11.00	
		HIGH	QPSK	9.58	9.28	9.42	11.00	
	36	LOW	QPSK	9.66	9.45	9.46	11.00	
		MID	QPSK	9.46	9.32	9.30	11.00	
		HIGH	QPSK	9.43	9.36	9.37	11.00	
	75	LOW	QPSK	9.49	9.47	9.53	11.00	
	15	1	LOW	Q16	9.66	9.53	9.53	11.00
			MID	Q16	9.77	9.61	9.52	11.00
HIGH			Q16	9.73	9.56	9.57	11.00	
36		LOW	Q16	9.53	9.56	9.56	11.00	
		MID	Q16	9.55	9.44	9.40	11.00	
		HIGH	Q16	9.40	9.53	9.30	11.00	
75		LOW	Q16	9.44	9.42	9.55	11.00	
15		1	LOW	64QAM	9.47	9.56	9.63	11.00
			MID	64QAM	9.57	9.65	9.42	11.00
	HIGH		64QAM	9.60	9.52	9.17	11.00	
	36	LOW	64QAM	9.52	9.40	9.65	11.00	
		MID	64QAM	9.46	9.49	9.68	11.00	
		HIGH	64QAM	9.31	9.48	9.46	11.00	
	75	LOW	64QAM	9.58	9.46	9.46	11.00	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	9.66	9.36	9.36	11.00
MID			QPSK	9.43	9.32	9.25	11.00	
HIGH			QPSK	9.56	9.33	9.39	11.00	
50		LOW	QPSK	9.72	9.41	9.46	11.00	
		MID	QPSK	9.46	9.40	9.40	11.00	
		HIGH	QPSK	9.53	9.43	9.40	11.00	
100		LOW	QPSK	9.58	9.42	9.52	11.00	
20		1	LOW	Q16	9.62	9.55	9.64	11.00
			MID	Q16	9.72	9.57	9.59	11.00
	HIGH		Q16	9.79	9.51	9.64	11.00	
	50	LOW	Q16	9.53	9.57	9.61	11.00	
		MID	Q16	9.59	9.55	9.44	11.00	
		HIGH	Q16	9.49	9.62	9.39	11.00	
	100	LOW	Q16	9.50	9.52	9.58	11.00	
	20	1	LOW	64QAM	9.53	9.65	9.58	11.00
			MID	64QAM	9.65	9.61	9.44	11.00
HIGH			64QAM	9.62	9.47	9.27	11.00	
50		LOW	64QAM	9.60	9.37	9.73	11.00	
		MID	64QAM	9.51	9.45	9.63	11.00	
		HIGH	64QAM	9.39	9.45	9.47	11.00	
100		LOW	64QAM	9.54	9.41	9.56	11.00	

LTE B7-State 20 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	11.94	11.93	12.07	13.50	
		MID	QPSK	12.05	11.86	11.84	13.50	
		HIGH	QPSK	11.95	11.73	11.88	13.50	
	12	LOW	QPSK	12.05	12.01	11.97	13.50	
		MID	QPSK	12.08	11.87	12.03	13.50	
		HIGH	QPSK	11.88	11.91	12.00	13.50	
	25	LOW	QPSK	12.01	11.90	11.98	13.50	
	5	1	LOW	Q16	12.09	11.94	12.08	13.50
			MID	Q16	12.15	11.99	12.15	13.50
HIGH			Q16	12.00	12.07	12.08	13.50	
12		LOW	Q16	11.94	11.91	12.19	13.50	
		MID	Q16	12.15	12.04	12.10	13.50	
		HIGH	Q16	12.00	12.18	11.85	13.50	
25		LOW	Q16	12.14	12.08	12.16	13.50	
5		1	LOW	64QAM	12.08	12.05	12.32	13.50
			MID	64QAM	12.07	11.99	12.22	13.50
	HIGH		64QAM	11.98	12.09	12.03	13.50	
	12	LOW	64QAM	12.04	11.86	12.24	13.50	
		MID	64QAM	12.11	11.92	12.20	13.50	
		HIGH	64QAM	11.85	12.02	11.85	13.50	
	25	LOW	64QAM	12.13	11.88	12.17	13.50	
	10	1	LOW	QPSK	11.86	11.76	12.05	13.50
			MID	QPSK	12.03	11.91	11.73	13.50
HIGH			QPSK	11.94	11.77	11.85	13.50	
25			LOW	QPSK	12.05	11.97	11.91	13.50
MID			QPSK	11.94	11.84	11.95	13.50	
HIGH			QPSK	11.96	11.97	11.99	13.50	
50		LOW	QPSK	12.07	11.90	11.90	13.50	
		1	LOW	Q16	12.16	12.10	12.12	13.50
			MID	Q16	12.02	12.06	12.15	13.50
			HIGH	Q16	12.12	11.97	12.15	13.50
		25	LOW	Q16	12.03	11.99	12.07	13.50
			MID	Q16	12.09	11.92	11.97	13.50
HIGH	Q16		11.99	12.02	11.96	13.50		
50	LOW	Q16	12.08	11.94	11.99	13.50		
10	1	LOW	64QAM	12.01	12.16	12.31	13.50	
		MID	64QAM	12.16	12.15	12.06	13.50	
		HIGH	64QAM	11.98	12.07	11.97	13.50	
	25	LOW	64QAM	12.01	11.81	12.15	13.50	
		MID	64QAM	11.99	11.99	12.10	13.50	
		HIGH	64QAM	11.83	11.99	11.89	13.50	
	50	LOW	64QAM	11.95	11.98	11.99	13.50	

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	11.91	11.82	12.03	13.50	
		MID	QPSK	11.86	11.90	11.72	13.50	
		HIGH	QPSK	12.06	11.78	11.79	13.50	
	36	LOW	QPSK	12.10	11.99	11.87	13.50	
		MID	QPSK	12.10	11.89	12.01	13.50	
		HIGH	QPSK	11.93	11.95	11.97	13.50	
	75	LOW	QPSK	12.00	11.97	12.03	13.50	
	15	1	LOW	Q16	12.24	11.98	12.17	13.50
			MID	Q16	12.11	12.05	12.05	13.50
HIGH			Q16	12.01	12.13	12.01	13.50	
36		LOW	Q16	11.88	12.10	12.05	13.50	
		MID	Q16	11.99	12.08	11.99	13.50	
		HIGH	Q16	11.99	12.10	11.95	13.50	
75		LOW	Q16	12.14	12.08	12.02	13.50	
15		1	LOW	64QAM	12.15	12.10	12.14	13.50
			MID	64QAM	12.01	12.06	12.15	13.50
	HIGH		64QAM	12.03	12.19	11.93	13.50	
	36	LOW	64QAM	12.00	11.84	12.13	13.50	
		MID	64QAM	11.97	12.03	12.10	13.50	
		HIGH	64QAM	11.94	11.99	11.98	13.50	
	75	LOW	64QAM	12.03	11.93	12.05	13.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	11.92	11.88	12.01	13.50
MID			QPSK	11.99	11.91	11.85	13.50	
HIGH			QPSK	12.02	11.84	11.87	13.50	
50		LOW	QPSK	12.11	11.99	11.98	13.50	
		MID	QPSK	12.04	11.97	12.01	13.50	
		HIGH	QPSK	11.98	12.03	11.98	13.50	
100	LOW	QPSK	12.05	11.98	12.02	13.50		
20	1	LOW	Q16	12.20	12.05	12.21	13.50	
		MID	Q16	12.09	12.06	12.15	13.50	
		HIGH	Q16	12.07	12.08	12.09	13.50	
	50	LOW	Q16	12.01	12.04	12.13	13.50	
		MID	Q16	12.10	12.02	12.04	13.50	
		HIGH	Q16	12.01	12.12	11.97	13.50	
100	LOW	Q16	12.10	12.02	12.10	13.50		
20	1	LOW	64QAM	12.14	12.15	12.27	13.50	
		MID	64QAM	12.14	12.11	12.17	13.50	
		HIGH	64QAM	12.10	12.19	12.05	13.50	
	50	LOW	64QAM	12.06	11.92	12.22	13.50	
		MID	64QAM	12.05	11.99	12.14	13.50	
		HIGH	64QAM	11.95	11.97	11.93	13.50	
	100	LOW	64QAM	12.08	12.00	12.11	13.50	

LTE B7-State 11-Ant.1(NSA)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)		
5	1	LOW	QPSK	15.70	15.38	15.45	17.00		
		MID	QPSK	15.36	15.54	15.51	17.00		
		HIGH	QPSK	15.38	15.44	15.38	17.00		
	12	LOW	QPSK	15.40	15.45	15.55	17.00		
		MID	QPSK	15.54	15.46	15.56	17.00		
		HIGH	QPSK	15.45	15.46	15.38	17.00		
	25	LOW	QPSK	15.41	15.26	15.38	17.00		
	5	1	LOW	Q16	15.61	15.52	15.50	17.00	
			MID	Q16	15.53	15.36	15.67	17.00	
HIGH			Q16	15.58	15.57	15.54	17.00		
12		LOW	Q16	15.40	15.37	15.56	17.00		
		MID	Q16	15.47	15.54	15.45	17.00		
		HIGH	Q16	15.47	15.47	15.39	17.00		
25		LOW	Q16	15.44	15.28	15.52	17.00		
5		1	LOW	64QAM	15.57	15.51	15.52	17.00	
			MID	64QAM	15.35	15.62	15.49	17.00	
	HIGH		64QAM	15.51	15.69	15.46	17.00		
	12	LOW	64QAM	15.45	15.47	15.41	17.00		
		MID	64QAM	15.47	15.52	15.55	17.00		
		HIGH	64QAM	15.56	15.42	15.48	17.00		
	25	LOW	64QAM	15.47	15.41	15.40	17.00		
	10	10	1	LOW	QPSK	15.75	15.45	15.45	17.00
				MID	QPSK	15.56	15.53	15.64	17.00
HIGH				QPSK	15.41	15.49	15.49	17.00	
25			LOW	QPSK	15.50	15.29	15.50	17.00	
			MID	QPSK	15.40	15.32	15.59	17.00	
			HIGH	QPSK	15.34	15.52	15.58	17.00	
50		LOW	QPSK	15.52	15.32	15.38	17.00		
10		1	LOW	Q16	15.56	15.30	15.64	17.00	
			MID	Q16	15.44	15.46	15.54	17.00	
			HIGH	Q16	15.42	15.57	15.47	17.00	
		25	LOW	Q16	15.53	15.51	15.47	17.00	
			MID	Q16	15.37	15.31	15.54	17.00	
			HIGH	Q16	15.37	15.52	15.58	17.00	
50		LOW	Q16	15.38	15.45	15.41	17.00		
10		1	LOW	64QAM	15.66	15.42	15.57	17.00	
			MID	64QAM	15.50	15.76	15.50	17.00	
			HIGH	64QAM	15.48	15.77	15.52	17.00	
		25	LOW	64QAM	15.52	15.52	15.38	17.00	
	MID		64QAM	15.28	15.34	15.50	17.00		
	HIGH		64QAM	15.55	15.48	15.66	17.00		
	50	LOW	64QAM	15.47	15.54	15.40	17.00		

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	15.76	15.42	15.47	17.00	
		MID	QPSK	15.41	15.36	15.68	17.00	
		HIGH	QPSK	15.52	15.40	15.38	17.00	
	36	LOW	QPSK	15.43	15.34	15.55	17.00	
		MID	QPSK	15.41	15.31	15.39	17.00	
		HIGH	QPSK	15.27	15.54	15.38	17.00	
	75	LOW	QPSK	15.36	15.49	15.49	17.00	
	15	1	LOW	Q16	15.72	15.53	15.45	17.00
			MID	Q16	15.44	15.42	15.57	17.00
HIGH			Q16	15.50	15.32	15.40	17.00	
36		LOW	Q16	15.40	15.28	15.41	17.00	
		MID	Q16	15.34	15.35	15.57	17.00	
		HIGH	Q16	15.34	15.38	15.42	17.00	
75		LOW	Q16	15.41	15.37	15.49	17.00	
15		1	LOW	64QAM	15.51	15.57	15.52	17.00
			MID	64QAM	15.38	15.74	15.40	17.00
	HIGH		64QAM	15.47	15.74	15.49	17.00	
	36	LOW	64QAM	15.60	15.58	15.42	17.00	
		MID	64QAM	15.48	15.38	15.38	17.00	
		HIGH	64QAM	15.55	15.52	15.57	17.00	
	75	LOW	64QAM	15.45	15.50	15.31	17.00	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	15.78	15.64	15.69	17.00
MID			QPSK	15.63	15.74	15.68	17.00	
HIGH			QPSK	15.61	15.78	15.76	17.00	
50		LOW	QPSK	15.85	15.72	15.78	17.00	
		MID	QPSK	15.83	15.77	15.80	17.00	
		HIGH	QPSK	15.72	15.79	15.76	17.00	
100	LOW	QPSK	15.80	15.74	15.79	17.00		
20	1	LOW	Q16	16.10	16.07	16.02	17.00	
		MID	Q16	15.90	16.11	16.02	17.00	
		HIGH	Q16	15.90	16.09	15.89	17.00	
	50	LOW	Q16	15.85	15.83	15.98	17.00	
		MID	Q16	15.89	15.86	15.94	17.00	
		HIGH	Q16	15.82	15.92	15.90	17.00	
100	LOW	Q16	15.87	15.83	15.92	17.00		
20	1	LOW	64QAM	16.03	15.97	15.92	17.00	
		MID	64QAM	15.84	16.08	15.92	17.00	
		HIGH	64QAM	15.85	16.12	16.01	17.00	
	50	LOW	64QAM	15.97	15.98	15.93	17.00	
		MID	64QAM	15.85	15.72	15.90	17.00	
		HIGH	64QAM	15.93	15.97	16.03	17.00	
100	LOW	64QAM	15.93	15.96	15.88	17.00		

LTE B7-State 15 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	18.38	18.40	18.41	20.00	
		MID	QPSK	18.29	18.50	18.51	20.00	
		HIGH	QPSK	18.22	18.47	18.46	20.00	
	12	LOW	QPSK	18.43	18.44	18.52	20.00	
		MID	QPSK	18.49	18.38	18.63	20.00	
		HIGH	QPSK	18.28	18.37	18.54	20.00	
	25	LOW	QPSK	18.63	18.38	18.67	20.00	
	5	1	LOW	Q16	18.98	18.98	18.89	20.00
			MID	Q16	18.86	19.03	18.91	20.00
HIGH			Q16	18.97	18.90	18.76	20.00	
12		LOW	Q16	18.50	18.55	18.65	20.00	
		MID	Q16	18.37	18.60	18.55	20.00	
		HIGH	Q16	18.41	18.49	18.54	20.00	
25		LOW	Q16	18.68	18.54	18.52	20.00	
5		1	LOW	64QAM	18.84	18.81	18.75	20.00
			MID	64QAM	18.87	18.98	18.75	20.00
	HIGH		64QAM	18.84	18.99	18.88	20.00	
	12	LOW	64QAM	18.37	18.41	18.58	20.00	
		MID	64QAM	18.48	18.48	18.59	20.00	
		HIGH	64QAM	18.42	18.43	18.59	20.00	
	25	LOW	64QAM	18.41	18.54	18.59	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	18.35	18.49	18.42	20.00
MID			QPSK	18.31	18.49	18.31	20.00	
HIGH			QPSK	18.36	18.73	18.24	20.00	
25		LOW	QPSK	18.45	18.34	18.68	20.00	
		MID	QPSK	18.29	18.56	18.55	20.00	
		HIGH	QPSK	18.23	18.62	18.66	20.00	
50	LOW	QPSK	18.37	18.58	18.46	20.00		
10	1	LOW	Q16	18.91	18.73	18.75	20.00	
		MID	Q16	18.81	18.78	18.88	20.00	
		HIGH	Q16	18.74	18.91	18.89	20.00	
	25	LOW	Q16	18.48	18.32	18.52	20.00	
		MID	Q16	18.59	18.45	18.50	20.00	
		HIGH	Q16	18.55	18.39	18.34	20.00	
50	LOW	Q16	18.61	18.43	18.49	20.00		
10	1	LOW	64QAM	18.99	18.98	18.93	20.00	
		MID	64QAM	18.83	18.82	18.91	20.00	
		HIGH	64QAM	18.85	18.88	18.83	20.00	
	25	LOW	64QAM	18.51	18.48	18.56	20.00	
		MID	64QAM	18.44	18.53	18.42	20.00	
		HIGH	64QAM	18.33	18.51	18.60	20.00	
	50	LOW	64QAM	18.63	18.36	18.56	20.00	

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	18.45	18.36	18.50	20.00	
		MID	QPSK	18.35	18.54	18.56	20.00	
		HIGH	QPSK	18.45	18.61	18.37	20.00	
	36	LOW	QPSK	18.43	18.60	18.71	20.00	
		MID	QPSK	18.45	18.45	18.47	20.00	
		HIGH	QPSK	18.36	18.35	18.55	20.00	
	75	LOW	QPSK	18.63	18.36	18.60	20.00	
	15	1	LOW	Q16	18.82	18.80	18.92	20.00
			MID	Q16	18.75	18.89	18.89	20.00
HIGH			Q16	18.79	18.77	18.64	20.00	
36		LOW	Q16	18.62	18.31	18.52	20.00	
		MID	Q16	18.54	18.31	18.65	20.00	
		HIGH	Q16	18.38	18.61	18.50	20.00	
75		LOW	Q16	18.52	18.33	18.48	20.00	
15		1	LOW	64QAM	18.88	19.00	18.81	20.00
			MID	64QAM	18.95	18.79	18.69	20.00
	HIGH		64QAM	18.84	18.81	18.66	20.00	
	36	LOW	64QAM	18.42	18.32	18.47	20.00	
		MID	64QAM	18.50	18.31	18.44	20.00	
		HIGH	64QAM	18.28	18.50	18.61	20.00	
	75	LOW	64QAM	18.67	18.49	18.51	20.00	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	13.29	13.49	13.44	15.00
MID			QPSK	13.35	13.39	13.33	15.00	
HIGH			QPSK	13.45	13.36	13.42	15.00	
50		LOW	QPSK	13.52	13.53	13.46	15.00	
		MID	QPSK	13.40	13.40	13.38	15.00	
		HIGH	QPSK	13.40	13.34	13.40	15.00	
100	LOW	QPSK	13.48	13.50	13.48	15.00		
20	1	LOW	Q16	13.66	13.69	13.79	15.00	
		MID	Q16	13.67	13.78	13.76	15.00	
		HIGH	Q16	13.49	13.73	13.59	15.00	
	50	LOW	Q16	13.40	13.49	13.54	15.00	
		MID	Q16	13.60	13.41	13.67	15.00	
		HIGH	Q16	13.55	13.57	13.50	15.00	
100	LOW	Q16	13.61	13.48	13.59	15.00		
20	1	LOW	64QAM	13.58	13.62	13.66	15.00	
		MID	64QAM	13.49	13.68	13.58	15.00	
		HIGH	64QAM	13.62	13.71	13.57	15.00	
	50	LOW	64QAM	13.74	13.67	13.66	15.00	
		MID	64QAM	13.52	13.33	13.59	15.00	
		HIGH	64QAM	13.56	13.62	13.76	15.00	
100	LOW	64QAM	13.63	13.59	13.65	15.00		

LTE B7-State 17 -Ant.1(NSA)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	9.70	9.28	9.27	11.00	
		MID	QPSK	9.43	9.37	9.29	11.00	
		HIGH	QPSK	9.48	9.27	9.39	11.00	
	12	LOW	QPSK	9.76	9.38	9.37	11.00	
		MID	QPSK	9.40	9.41	9.32	11.00	
		HIGH	QPSK	9.43	9.35	9.42	11.00	
	25	LOW	QPSK	9.53	9.37	9.49	11.00	
	5	1	LOW	Q16	9.61	9.53	9.68	11.00
			MID	Q16	9.73	9.53	9.62	11.00
HIGH			Q16	9.75	9.51	9.62	11.00	
12		LOW	Q16	9.52	9.61	9.66	11.00	
		MID	Q16	9.49	9.59	9.35	11.00	
		HIGH	Q16	9.48	9.63	9.39	11.00	
25		LOW	Q16	9.52	9.44	9.61	11.00	
5		1	LOW	64QAM	9.53	9.56	9.48	11.00
			MID	64QAM	9.56	9.63	9.41	11.00
	HIGH		64QAM	9.52	9.38	9.31	11.00	
	12	LOW	64QAM	9.65	9.29	9.78	11.00	
		MID	64QAM	9.47	9.36	9.68	11.00	
		HIGH	64QAM	9.31	9.48	9.43	11.00	
	25	LOW	64QAM	9.58	9.34	9.59	11.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	9.57	9.31	9.37	11.00
MID			QPSK	9.35	9.24	9.30	11.00	
HIGH			QPSK	9.50	9.28	9.42	11.00	
25		LOW	QPSK	9.69	9.32	9.39	11.00	
		MID	QPSK	9.46	9.34	9.32	11.00	
		HIGH	QPSK	9.49	9.48	9.42	11.00	
50	LOW	QPSK	9.47	9.33	9.48	11.00		
10	1	LOW	Q16	9.53	9.47	9.64	11.00	
		MID	Q16	9.66	9.52	9.64	11.00	
		HIGH	Q16	9.69	9.51	9.66	11.00	
	25	LOW	Q16	9.57	9.49	9.56	11.00	
		MID	Q16	9.64	9.51	9.47	11.00	
		HIGH	Q16	9.41	9.61	9.29	11.00	
50	LOW	Q16	9.54	9.52	9.47	11.00		
10	1	LOW	64QAM	9.43	9.66	9.56	11.00	
		MID	64QAM	9.54	9.55	9.41	11.00	
		HIGH	64QAM	9.57	9.46	9.31	11.00	
	25	LOW	64QAM	9.50	9.41	9.76	11.00	
		MID	64QAM	9.48	9.44	9.57	11.00	
		HIGH	64QAM	9.35	9.49	9.42	11.00	
	50	LOW	64QAM	9.53	9.46	9.54	11.00	

Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)
15	1	LOW	QPSK	9.69	9.26	9.38	11.00	
		MID	QPSK	9.45	9.22	9.18	11.00	
		HIGH	QPSK	9.58	9.28	9.42	11.00	
	36	LOW	QPSK	9.66	9.45	9.46	11.00	
		MID	QPSK	9.46	9.32	9.30	11.00	
		HIGH	QPSK	9.43	9.36	9.37	11.00	
	75	LOW	QPSK	9.49	9.47	9.53	11.00	
	15	1	LOW	Q16	9.66	9.53	9.53	11.00
			MID	Q16	9.77	9.61	9.52	11.00
HIGH			Q16	9.73	9.56	9.57	11.00	
36		LOW	Q16	9.53	9.56	9.56	11.00	
		MID	Q16	9.55	9.44	9.40	11.00	
		HIGH	Q16	9.40	9.53	9.30	11.00	
75		LOW	Q16	9.44	9.42	9.55	11.00	
15		1	LOW	64QAM	9.47	9.56	9.63	11.00
			MID	64QAM	9.57	9.65	9.42	11.00
	HIGH		64QAM	9.60	9.52	9.17	11.00	
	36	LOW	64QAM	9.52	9.40	9.65	11.00	
		MID	64QAM	9.46	9.49	9.68	11.00	
		HIGH	64QAM	9.31	9.48	9.46	11.00	
	75	LOW	64QAM	9.58	9.46	9.46	11.00	
	Bandwidth (RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	9.66	9.36	9.36	11.00
MID			QPSK	9.43	9.32	9.25	11.00	
HIGH			QPSK	9.56	9.33	9.39	11.00	
50		LOW	QPSK	9.72	9.41	9.46	11.00	
		MID	QPSK	9.46	9.40	9.40	11.00	
		HIGH	QPSK	9.53	9.43	9.40	11.00	
100	LOW	QPSK	9.58	9.42	9.52	11.00		
20	1	LOW	Q16	9.62	9.55	9.64	11.00	
		MID	Q16	9.72	9.57	9.59	11.00	
		HIGH	Q16	9.79	9.51	9.64	11.00	
	50	LOW	Q16	9.53	9.57	9.61	11.00	
		MID	Q16	9.59	9.55	9.44	11.00	
		HIGH	Q16	9.49	9.62	9.39	11.00	
100	LOW	Q16	9.50	9.52	9.58	11.00		
20	1	LOW	64QAM	9.53	9.65	9.58	11.00	
		MID	64QAM	9.65	9.61	9.44	11.00	
		HIGH	64QAM	9.62	9.47	9.27	11.00	
	50	LOW	64QAM	9.60	9.37	9.73	11.00	
		MID	64QAM	9.51	9.45	9.63	11.00	
		HIGH	64QAM	9.39	9.45	9.47	11.00	
100	LOW	64QAM	9.54	9.41	9.56	11.00		

LTE B7-State 19 -Ant.1(NSA)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)		
5	1	LOW	QPSK	11.94	11.93	12.07	13.50		
		MID	QPSK	12.05	11.86	11.84	13.50		
		HIGH	QPSK	11.95	11.73	11.88	13.50		
	12	LOW	QPSK	12.05	12.01	11.97	13.50		
		MID	QPSK	12.08	11.87	12.03	13.50		
		HIGH	QPSK	11.88	11.91	12.00	13.50		
	25	LOW	QPSK	12.01	11.90	11.98	13.50		
	5	1	LOW	Q16	12.09	11.94	12.08	13.50	
			MID	Q16	12.15	11.99	12.15	13.50	
HIGH			Q16	12.00	12.07	12.08	13.50		
12		LOW	Q16	11.94	11.91	12.19	13.50		
		MID	Q16	12.15	12.04	12.10	13.50		
		HIGH	Q16	12.00	12.18	11.85	13.50		
25		LOW	Q16	12.14	12.08	12.16	13.50		
5		1	LOW	64QAM	12.08	12.05	12.32	13.50	
			MID	64QAM	12.07	11.99	12.22	13.50	
	HIGH		64QAM	11.98	12.09	12.03	13.50		
	12	LOW	64QAM	12.04	11.86	12.24	13.50		
		MID	64QAM	12.11	11.92	12.20	13.50		
		HIGH	64QAM	11.85	12.02	11.85	13.50		
	25	LOW	64QAM	12.13	11.88	12.17	13.50		
	10	10	1	LOW	QPSK	11.86	11.76	12.05	13.50
				MID	QPSK	12.03	11.91	11.73	13.50
HIGH				QPSK	11.94	11.77	11.85	13.50	
25			LOW	QPSK	12.05	11.97	11.91	13.50	
			MID	QPSK	11.94	11.84	11.95	13.50	
			HIGH	QPSK	11.96	11.97	11.99	13.50	
50		LOW	QPSK	12.07	11.90	11.90	13.50		
10		1	LOW	Q16	12.16	12.10	12.12	13.50	
			MID	Q16	12.02	12.06	12.15	13.50	
			HIGH	Q16	12.12	11.97	12.15	13.50	
		25	LOW	Q16	12.03	11.99	12.07	13.50	
			MID	Q16	12.09	11.92	11.97	13.50	
			HIGH	Q16	11.99	12.02	11.96	13.50	
50		LOW	Q16	12.08	11.94	11.99	13.50		
10		1	LOW	64QAM	12.01	12.16	12.31	13.50	
	MID		64QAM	12.16	12.15	12.06	13.50		
	HIGH		64QAM	11.98	12.07	11.97	13.50		
	25	LOW	64QAM	12.01	11.81	12.15	13.50		
		MID	64QAM	11.99	11.99	12.10	13.50		
		HIGH	64QAM	11.83	11.99	11.89	13.50		
	50	LOW	64QAM	11.95	11.98	11.99	13.50		

Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	11.91	11.82	12.03	13.50	
		MID	QPSK	11.86	11.90	11.72	13.50	
		HIGH	QPSK	12.06	11.78	11.79	13.50	
	36	LOW	QPSK	12.10	11.99	11.87	13.50	
		MID	QPSK	12.10	11.89	12.01	13.50	
		HIGH	QPSK	11.93	11.95	11.97	13.50	
	75	LOW	QPSK	12.00	11.97	12.03	13.50	
	15	1	LOW	Q16	12.24	11.98	12.17	13.50
			MID	Q16	12.11	12.05	12.05	13.50
HIGH			Q16	12.01	12.13	12.01	13.50	
36		LOW	Q16	11.88	12.10	12.05	13.50	
		MID	Q16	11.99	12.08	11.99	13.50	
		HIGH	Q16	11.99	12.10	11.95	13.50	
75		LOW	Q16	12.14	12.08	12.02	13.50	
15		1	LOW	64QAM	12.15	12.10	12.14	13.50
			MID	64QAM	12.01	12.06	12.15	13.50
	HIGH		64QAM	12.03	12.19	11.93	13.50	
	36	LOW	64QAM	12.00	11.84	12.13	13.50	
		MID	64QAM	11.97	12.03	12.10	13.50	
		HIGH	64QAM	11.94	11.99	11.98	13.50	
	75	LOW	64QAM	12.03	11.93	12.05	13.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	11.92	11.88	12.01	13.50
MID			QPSK	11.99	11.91	11.85	13.50	
HIGH			QPSK	12.02	11.84	11.87	13.50	
50		LOW	QPSK	12.11	11.99	11.98	13.50	
		MID	QPSK	12.04	11.97	12.01	13.50	
		HIGH	QPSK	11.98	12.03	11.98	13.50	
100	LOW	QPSK	12.05	11.98	12.02	13.50		
20	1	LOW	Q16	12.20	12.05	12.21	13.50	
		MID	Q16	12.09	12.06	12.15	13.50	
		HIGH	Q16	12.07	12.08	12.09	13.50	
	50	LOW	Q16	12.01	12.04	12.13	13.50	
		MID	Q16	12.10	12.02	12.04	13.50	
		HIGH	Q16	12.01	12.12	11.97	13.50	
100	LOW	Q16	12.10	12.02	12.10	13.50		
20	1	LOW	64QAM	12.14	12.15	12.27	13.50	
		MID	64QAM	12.14	12.11	12.17	13.50	
		HIGH	64QAM	12.10	12.19	12.05	13.50	
	50	LOW	64QAM	12.06	11.92	12.22	13.50	
		MID	64QAM	12.05	11.99	12.14	13.50	
		HIGH	64QAM	11.95	11.97	11.93	13.50	
	100	LOW	64QAM	12.08	12.00	12.11	13.50	