

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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		12	6	21.31	21.24	21.42	22.50
		12	13	21.28	21.45	21.42	22.50
		25	0	21.42	21.30	21.38	22.50
	64QAM	1	0	21.15	21.08	21.04	22.50
		1	13	21.30	21.61	21.30	22.50
		1	24	21.26	20.82	21.32	22.50
		12	0	20.25	20.33	20.30	21.50
		12	6	20.36	20.22	20.30	21.50
		12	13	20.19	20.33	20.47	21.50
		25	0	20.13	20.24	20.39	21.50
	256QAM	1	0	18.16	17.67	17.72	19.50
		1	13	18.16	18.58	18.35	19.50
		1	24	18.21	18.52	18.20	19.50
		12	0	18.32	18.06	18.20	19.50
		12	6	18.29	18.35	18.30	19.50
		12	13	18.35	18.47	18.39	19.50
		25	0	18.34	18.46	18.21	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.20	23.27	22.99	24.50
		1	25	23.25	23.07	23.59	24.50
		1	49	23.41	22.99	23.05	24.50
		25	0	22.23	22.20	22.27	23.50
		25	13	22.24	22.23	22.38	23.50
		25	25	22.26	22.33	22.39	23.50
		50	0	22.34	22.36	22.33	23.50
	16QAM	1	0	22.35	22.21	21.89	23.50
		1	25	22.32	22.30	21.95	23.50
		1	49	21.92	21.86	22.32	23.50
		25	0	21.32	21.27	21.30	22.50
		25	13	21.41	21.35	21.26	22.50
		25	25	21.14	21.33	21.42	22.50
		50	0	21.43	21.27	21.18	22.50
	64QAM	1	0	21.10	21.20	21.11	22.50
		1	25	21.43	21.50	21.14	22.50
		1	49	21.38	20.90	21.41	22.50
		25	0	20.15	20.32	20.20	21.50
		25	13	20.32	20.29	20.38	21.50
		25	25	20.25	20.30	20.44	21.50
		50	0	20.25	20.38	20.34	21.50



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		1	0	18.27	17.69	17.62	19.50
		1	25	18.15	18.49	18.39	19.50
		1	49	18.34	18.40	18.25	19.50
		25	0	18.17	18.09	18.30	19.50
		25	13	18.30	18.28	18.27	19.50
		25	25	18.37	18.48	18.29	19.50
		50	0	18.41	18.35	18.24	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	23.04	23.12	22.96	24.50
		1	38	23.14	23.14	23.66	24.50
		1	74	23.44	23.19	23.14	24.50
		36	0	22.14	22.34	22.28	23.50
		36	18	22.41	22.24	22.30	23.50
		36	39	22.26	22.32	22.48	23.50
		75	0	22.29	22.30	22.23	23.50
	16QAM	1	0	22.31	22.06	21.86	23.50
		1	38	22.22	22.23	22.00	23.50
		1	74	21.94	21.83	22.48	23.50
		36	0	21.33	21.19	21.38	22.50
		36	18	21.30	21.24	21.37	22.50
		36	39	21.33	21.34	21.43	22.50
		75	0	21.34	21.29	21.29	22.50
	64QAM	1	0	21.09	21.06	21.02	22.50
		1	38	21.32	21.60	21.25	22.50
		1	74	21.28	20.80	21.44	22.50
		36	0	20.30	20.25	20.30	21.50
		36	18	20.40	20.24	20.28	21.50
		36	39	20.17	20.43	20.51	21.50
		75	0	20.15	20.25	20.39	21.50
	256QAM	1	0	18.10	17.77	17.61	19.50
		1	38	18.22	18.47	18.39	19.50
		1	74	18.25	18.49	18.31	19.50
		36	0	18.27	18.24	18.28	19.50
		36	18	18.44	18.32	18.43	19.50
		36	39	18.46	18.32	18.39	19.50
		75	0	18.35	18.34	18.26	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.13	23.19	23.04	24.50



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		1	50	23.19	23.14	23.56	24.50
		1	99	23.34	23.09	23.14	24.50
		50	0	22.21	22.24	22.27	23.50
		50	25	22.33	22.30	22.32	23.50
		50	50	22.33	22.33	22.41	23.50
		100	0	22.31	22.33	22.26	23.50
	16QAM	1	0	22.30	22.14	21.94	23.50
		1	50	22.26	22.27	21.91	23.50
		1	99	21.84	21.81	22.41	23.50
		50	0	21.28	21.27	21.28	22.50
		50	25	21.37	21.32	21.33	22.50
		50	50	21.23	21.39	21.38	22.50
		100	0	21.35	21.28	21.28	22.50
	64QAM	1	0	21.09	21.10	21.10	22.50
		1	50	21.39	21.53	21.22	22.50
		1	99	21.33	20.90	21.39	22.50
		50	0	20.22	20.26	20.28	21.50
		50	25	20.30	20.31	20.29	21.50
		50	50	20.23	20.35	20.42	21.50
		100	0	20.23	20.34	20.33	21.50
	256QAM	1	0	18.18	17.91	17.84	19.50
		1	50	18.25	18.50	18.30	19.50
		1	99	18.27	18.42	18.27	19.50
		50	0	18.25	18.16	18.28	19.50
		50	25	18.38	18.30	18.33	19.50
		50	50	18.36	18.38	18.32	19.50
		100	0	18.34	18.36	18.30	19.50

LTE Band 66 DSI4/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	18.67	18.58	18.60	19.50
		1	2	18.59	18.62	18.73	19.50
		1	5	18.65	18.67	18.57	19.50
		3	0	18.67	18.73	18.68	19.50
		3	1	18.67	18.69	18.72	19.50
		3	3	18.64	18.63	18.66	19.50
		6	0	18.59	18.66	18.71	19.50



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	16QAM	1	0	18.65	18.46	18.84	19.50
		1	2	18.60	18.78	18.73	19.50
		1	5	18.72	18.64	18.67	19.50
		3	0	18.79	18.72	18.71	19.50
		3	1	18.76	18.88	18.61	19.50
		3	3	18.76	18.62	18.85	19.50
		6	0	18.59	18.56	18.78	19.50
	64QAM	1	0	18.84	18.61	18.68	19.50
		1	2	18.40	18.57	18.55	19.50
		1	5	18.67	18.61	18.82	19.50
		3	0	18.64	18.59	18.76	19.50
		3	1	18.72	18.74	18.82	19.50
		3	3	18.42	18.74	18.77	19.50
		6	0	18.59	18.37	18.69	19.50
	256QAM	1	0	18.60	18.17	18.60	19.50
		1	2	18.67	18.58	18.94	19.50
		1	5	18.68	18.68	18.58	19.50
		3	0	18.56	18.55	18.74	19.50
		3	1	18.87	18.51	18.64	19.50
		3	3	18.75	18.33	18.76	19.50
		6	0	18.79	18.59	18.75	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	18.30	18.46	18.36	19.50
		1	7	18.63	18.71	18.47	19.50
		1	14	18.69	18.46	18.58	19.50
		8	0	18.58	18.62	18.56	19.50
		8	4	18.76	18.46	18.70	19.50
		8	7	18.60	18.63	18.69	19.50
		15	0	18.72	18.42	18.52	19.50
	16QAM	1	0	18.72	18.49	18.50	19.50
		1	7	18.88	18.64	18.49	19.50
		1	14	19.03	18.66	18.56	19.50
		8	0	18.54	18.64	18.55	19.50
		8	4	18.63	18.49	18.74	19.50
		8	7	18.49	18.69	18.56	19.50
		15	0	18.64	18.54	18.61	19.50
	64QAM	1	0	18.60	18.74	18.52	19.50
		1	7	18.49	18.59	18.27	19.50
		1	14	18.40	18.69	18.39	19.50



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		8	0	18.46	18.39	18.42	19.50
		8	4	18.63	18.50	18.54	19.50
		8	7	18.72	18.62	18.65	19.50
		15	0	18.64	18.64	18.65	19.50
	256QAM	1	0	17.94	18.28	18.57	19.50
		1	7	18.64	18.39	18.64	19.50
		1	14	18.63	18.77	18.64	19.50
		8	0	18.41	18.49	18.55	19.50
		8	4	18.70	18.55	18.46	19.50
		8	7	18.69	18.46	18.61	19.50
		15	0	18.54	18.49	18.63	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	18.35	18.50	18.29	19.50
		1	13	18.72	18.72	18.52	19.50
		1	24	18.70	18.49	18.43	19.50
		12	0	18.57	18.50	18.48	19.50
		12	6	18.57	18.63	18.66	19.50
		12	13	18.70	18.70	18.68	19.50
		25	0	18.70	18.48	18.42	19.50
	16QAM	1	0	18.60	18.52	18.47	19.50
		1	13	18.91	18.64	18.45	19.50
		1	24	18.99	18.62	18.57	19.50
		12	0	18.56	18.68	18.46	19.50
		12	6	18.72	18.50	18.61	19.50
		12	13	18.65	18.54	18.64	19.50
		25	0	18.57	18.64	18.60	19.50
	64QAM	1	0	18.77	18.67	18.52	19.50
		1	13	18.44	18.55	18.43	19.50
		1	24	18.54	18.78	18.40	19.50
		12	0	18.45	18.41	18.39	19.50
		12	6	18.70	18.61	18.62	19.50
		12	13	18.58	18.61	18.67	19.50
		25	0	18.63	18.63	18.56	19.50
	256QAM	1	0	17.92	18.32	18.48	19.50
		1	13	18.66	18.35	18.65	19.50
		1	24	18.69	18.60	18.50	19.50
		12	0	18.51	18.57	18.43	19.50
		12	6	18.69	18.42	18.46	19.50
		12	13	18.70	18.57	18.58	19.50



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		25	0	18.44	18.45	18.61	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	18.34	18.53	18.35	19.50
		1	25	18.62	18.75	18.55	19.50
		1	49	18.73	18.57	18.55	19.50
		25	0	18.40	18.55	18.63	19.50
		25	13	18.67	18.51	18.66	19.50
		25	25	18.73	18.60	18.67	19.50
		50	0	18.69	18.41	18.52	19.50
	16QAM	1	0	18.75	18.42	18.39	19.50
		1	25	18.91	18.65	18.54	19.50
		1	49	18.93	18.81	18.63	19.50
		25	0	18.49	18.53	18.39	19.50
		25	13	18.65	18.44	18.63	19.50
		25	25	18.53	18.70	18.60	19.50
		50	0	18.55	18.52	18.42	19.50
	64QAM	1	0	18.63	18.68	18.47	19.50
		1	25	18.53	18.69	18.37	19.50
		1	49	18.36	18.68	18.33	19.50
		25	0	18.53	18.45	18.43	19.50
		25	13	18.75	18.48	18.58	19.50
		25	25	18.63	18.44	18.54	19.50
		50	0	18.61	18.50	18.56	19.50
	256QAM	1	0	17.99	18.37	18.54	19.50
		1	25	18.61	18.40	18.63	19.50
		1	49	18.73	18.71	18.62	19.50
		25	0	18.59	18.53	18.45	19.50
		25	13	18.67	18.41	18.42	19.50
		25	25	18.73	18.62	18.58	19.50
		50	0	18.45	18.63	18.53	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	18.31	18.47	18.18	19.50
		1	38	18.69	18.58	18.45	19.50
		1	74	18.73	18.49	18.41	19.50
		36	0	18.40	18.62	18.56	19.50
		36	18	18.61	18.48	18.66	19.50
		36	39	18.68	18.61	18.55	19.50
		75	0	18.58	18.60	18.55	19.50



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	16QAM	1	0	18.71	18.44	18.39	19.50
		1	38	18.80	18.65	18.48	19.50
		1	74	18.90	18.66	18.53	19.50
		36	0	18.43	18.60	18.40	19.50
		36	18	18.61	18.52	18.69	19.50
		36	39	18.47	18.72	18.70	19.50
		75	0	18.54	18.65	18.45	19.50
	64QAM	1	0	18.75	18.68	18.53	19.50
		1	38	18.63	18.63	18.38	19.50
		1	74	18.43	18.69	18.32	19.50
		36	0	18.63	18.38	18.39	19.50
		36	18	18.70	18.47	18.68	19.50
		36	39	18.78	18.42	18.69	19.50
		75	0	18.69	18.48	18.66	19.50
	256QAM	1	0	18.05	18.36	18.53	19.50
		1	38	18.66	18.35	18.59	19.50
		1	74	18.62	18.74	18.66	19.50
		36	0	18.43	18.52	18.53	19.50
		36	18	18.74	18.35	18.50	19.50
		36	39	18.68	18.59	18.65	19.50
		75	0	18.58	18.54	18.52	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	18.38	18.45	18.27	19.50
		1	50	18.66	18.68	18.48	19.50
		1	99	18.63	18.56	18.51	19.50
		50	0	18.49	18.52	18.53	19.50
		50	25	18.67	18.54	18.62	19.50
		50	50	18.64	18.66	18.63	19.50
		100	0	18.64	18.51	18.52	19.50
	16QAM	1	0	18.66	18.44	18.41	19.50
		1	50	18.90	18.58	18.55	19.50
		1	99	18.97	18.72	18.56	19.50
		50	0	18.49	18.58	18.48	19.50
		50	25	18.64	18.52	18.65	19.50
		50	50	18.56	18.64	18.61	19.50
		100	0	18.57	18.57	18.52	19.50
	64QAM	1	0	18.69	18.72	18.54	19.50
		1	50	18.54	18.65	18.36	19.50
		1	99	18.46	18.72	18.31	19.50



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		50	0	18.54	18.48	18.34	19.50
		50	25	18.69	18.51	18.63	19.50
		50	50	18.68	18.52	18.59	19.50
		100	0	18.59	18.55	18.65	19.50
	256QAM	1	0	18.02	18.37	18.47	19.50
		1	50	18.62	18.42	18.59	19.50
		1	99	18.69	18.68	18.57	19.50
		50	0	18.49	18.59	18.48	19.50
		50	25	18.68	18.45	18.52	19.50
		50	50	18.67	18.54	18.62	19.50
		100	0	18.52	18.53	18.53	19.50



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3 Conducted Power of Main Antenna (Ant3)

3.1 Conducted Power of LTE

LTE Band 42 DS1/2/3/6				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				41615	42590	43565	
5MHz	QPSK	1	0	24.23	24.11	23.90	25.00
		1	13	24.29	24.15	24.16	25.00
		1	24	24.04	24.18	24.26	25.00
		12	0	23.00	23.36	23.27	24.00
		12	6	23.26	23.44	23.47	24.00
		12	13	23.18	23.25	23.18	24.00
		25	0	23.49	23.16	23.21	24.00
	16QAM	1	0	22.98	22.53	22.85	24.00
		1	13	23.08	22.79	22.89	24.00
		1	24	23.19	22.69	22.49	24.00
		12	0	22.38	22.18	22.17	23.00
		12	6	22.31	22.23	22.27	23.00
		12	13	22.34	22.26	22.20	23.00
		25	0	22.29	22.20	22.29	23.00
	64QAM	1	0	21.86	21.84	21.42	23.00
		1	13	21.98	21.96	21.58	23.00
		1	24	21.95	21.97	21.62	23.00
		12	0	21.41	21.04	20.72	22.00
		12	6	21.46	21.30	20.99	22.00
		12	13	21.37	21.11	20.99	22.00
		25	0	21.25	21.19	20.90	22.00
	256QAM	1	0	18.99	18.91	19.11	20.00
		1	13	19.35	19.16	18.62	20.00
		1	24	19.36	19.33	19.06	20.00
		12	0	19.46	19.17	19.01	20.00
		12	6	19.49	19.27	19.11	20.00
		12	13	19.37	19.24	19.02	20.00
		25	0	19.42	19.27	19.03	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				41640	42590	43540	
10MHz	QPSK	1	0	24.04	24.09	23.87	25.00
		1	25	24.32	24.21	24.18	25.00
		1	49	24.10	24.19	24.25	25.00



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		25	0	23.01	23.44	23.21	24.00
		25	13	23.24	23.41	23.32	24.00
		25	25	23.30	23.13	23.23	24.00
		50	0	23.39	23.30	23.30	24.00
	16QAM	1	0	22.90	22.53	22.83	24.00
		1	25	23.09	22.80	22.98	24.00
		1	49	23.00	22.64	22.61	24.00
		25	0	22.40	22.17	22.07	23.00
		25	13	22.42	22.22	22.32	23.00
		25	25	22.25	22.26	22.17	23.00
		50	0	22.41	22.16	22.32	23.00
		50	0	22.41	22.16	22.32	23.00
	64QAM	1	0	21.97	21.91	21.50	23.00
		1	25	22.01	22.07	21.46	23.00
		1	49	21.95	21.88	21.56	23.00
		25	0	21.38	21.17	20.77	22.00
		25	13	21.32	21.29	21.16	22.00
		25	25	21.35	21.10	20.94	22.00
		50	0	21.37	21.09	20.88	22.00
		50	0	21.37	21.09	20.88	22.00
	256QAM	1	0	19.07	18.98	19.06	20.00
		1	25	19.45	19.25	18.56	20.00
		1	49	19.29	19.13	19.22	20.00
		25	0	19.49	19.13	19.01	20.00
		25	13	19.49	19.22	19.08	20.00
		25	25	19.43	19.34	19.02	20.00
		50	0	19.41	19.14	18.98	20.00
		50	0	19.41	19.14	18.98	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				41665	42590	43515	
15MHz	QPSK	1	0	24.14	24.07	23.95	25.00
		1	38	24.24	24.07	24.14	25.00
		1	74	24.10	24.17	24.19	25.00
		36	0	23.12	23.39	23.35	24.00
		36	18	23.26	23.48	23.32	24.00
		36	39	23.11	23.21	23.13	24.00
		75	0	23.50	23.22	23.33	24.00
	16QAM	1	0	22.89	22.48	22.68	24.00
		1	38	23.02	22.90	22.90	24.00
		1	74	23.05	22.74	22.61	24.00
		36	0	22.49	22.12	22.10	23.00
		36	18	22.36	22.21	22.24	23.00
		36	39	22.32	22.24	22.21	23.00
		36	39	22.32	22.24	22.21	23.00



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		75	0	22.45	22.19	22.30	23.00
	64QAM	1	0	21.92	22.02	21.35	23.00
		1	38	22.04	22.05	21.46	23.00
		1	74	21.83	21.82	21.66	23.00
		36	0	21.48	21.06	20.66	22.00
		36	18	21.37	21.30	21.15	22.00
		36	39	21.31	21.09	21.06	22.00
		75	0	21.28	21.11	20.93	22.00
	256QAM	1	0	19.08	19.01	19.08	20.00
		1	38	19.35	19.22	18.61	20.00
		1	74	19.28	19.14	19.13	20.00
		36	0	19.47	19.24	18.93	20.00
		36	18	19.33	19.23	18.97	20.00
		36	39	19.45	19.28	19.07	20.00
		75	0	19.28	19.29	18.96	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				41690	42590	43490	
20MHz	QPSK	1	0	24.14	24.02	23.97	25.00
		1	50	24.31	24.12	24.16	25.00
		1	99	24.12	24.13	24.18	25.00
		50	0	23.08	23.34	23.30	24.00
		50	25	23.23	23.38	23.38	24.00
		50	50	23.20	23.23	23.21	24.00
		100	0	23.42	23.23	23.26	24.00
	16QAM	1	0	22.95	22.55	22.76	24.00
		1	50	23.10	22.88	22.89	24.00
		1	99	23.10	22.64	22.58	24.00
		50	0	22.41	22.20	22.14	23.00
		50	25	22.33	22.25	22.24	23.00
		50	50	22.33	22.26	22.27	23.00
		100	0	22.38	22.22	22.34	23.00
	64QAM	1	0	21.95	21.93	21.45	23.00
		1	50	22.04	22.03	21.48	23.00
		1	99	21.90	21.91	21.61	23.00
		50	0	21.38	21.11	20.74	22.00
		50	25	21.38	21.20	21.06	22.00
		50	50	21.28	21.18	21.03	22.00
		100	0	21.34	21.18	20.96	22.00
	256QAM	1	0	19.01	18.94	19.13	20.00
		1	50	19.40	19.20	18.62	20.00



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		1	99	19.37	19.23	19.15	20.00
		50	0	19.40	19.15	18.93	20.00
		50	25	19.48	19.25	19.07	20.00
		50	50	19.42	19.34	19.07	20.00
		100	0	19.35	19.21	19.06	20.00

LTE Band 42 DS14/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				41615	42590	43565	
5MHz	QPSK	1	0	22.87	22.97	22.85	23.50
		1	13	22.91	21.99	22.91	23.50
		1	24	22.96	23.10	22.81	23.50
		12	0	22.07	22.30	21.74	23.50
		12	6	22.27	22.28	21.89	23.50
		12	13	22.28	22.21	21.81	23.50
		25	0	22.23	22.10	21.77	23.50
	16QAM	1	0	21.86	21.98	21.77	23.50
		1	13	21.99	21.92	21.76	23.50
		1	24	22.17	22.09	21.97	23.50
		12	0	21.19	21.17	20.74	23.00
		12	6	21.32	21.28	20.84	23.00
		12	13	21.27	21.15	20.83	23.00
		25	0	21.21	21.16	20.74	23.00
	64QAM	1	0	20.91	21.00	20.65	23.00
		1	13	21.05	21.19	20.63	23.00
		1	24	20.86	20.86	20.73	23.00
		12	0	20.10	20.16	19.84	22.00
		12	6	20.41	20.10	19.85	22.00
		12	13	20.42	19.98	19.74	22.00
		25	0	20.30	20.19	19.85	22.00
	256QAM	1	0	18.01	17.86	17.71	20.00
		1	13	18.10	18.18	17.90	20.00
		1	24	18.18	18.00	17.49	20.00
		12	0	18.19	18.12	17.87	20.00
		12	6	18.29	18.14	17.83	20.00
		12	13	18.28	18.13	17.93	20.00
		25	0	18.22	18.17	17.79	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				41640	42590	43540	
10MHz	QPSK	1	0	22.82	22.91	22.94	23.50
		1	25	22.95	22.17	22.89	23.50
		1	49	22.81	23.12	22.72	23.50
		25	0	22.18	22.29	21.82	23.50
		25	13	22.29	22.29	21.81	23.50
		25	25	22.44	22.19	21.86	23.50
		50	0	22.30	22.08	21.77	23.50
	16QAM	1	0	21.90	22.11	21.83	23.50
		1	25	22.01	21.88	21.68	23.50
		1	49	22.00	21.93	21.98	23.50
		25	0	21.20	21.16	20.70	23.00
		25	13	21.29	21.18	20.88	23.00
		25	25	21.35	21.25	20.80	23.00
		50	0	21.29	21.14	20.93	23.00
	64QAM	1	0	21.02	21.14	20.64	23.00
		1	25	20.96	21.24	20.66	23.00
		1	49	20.91	20.85	20.81	23.00
		25	0	20.09	20.04	19.92	22.00
		25	13	20.31	20.10	19.87	22.00
		25	25	20.32	20.07	19.89	22.00
		50	0	20.22	20.21	19.79	22.00
	256QAM	1	0	17.86	18.02	17.89	20.00
		1	25	18.05	18.14	17.86	20.00
		1	49	18.17	18.00	17.52	20.00
		25	0	18.12	18.21	17.81	20.00
		25	13	18.27	18.23	17.89	20.00
		25	25	18.37	18.11	17.95	20.00
		50	0	18.16	18.10	17.86	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				41665	42590	43515	
15MHz	QPSK	1	0	22.98	22.85	22.90	23.50
		1	38	22.89	22.07	22.91	23.50
		1	74	22.80	23.09	22.81	23.50
		36	0	22.24	22.15	21.76	23.50
		36	18	22.23	22.24	21.79	23.50
		36	39	22.35	22.11	21.76	23.50
		75	0	22.24	22.09	21.75	23.50
	16QAM	1	0	21.85	22.03	21.81	23.50
		1	38	22.05	22.04	21.75	23.50



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		1	74	22.03	22.11	21.80	23.50
		36	0	21.20	21.09	20.87	23.00
		36	18	21.41	21.23	20.89	23.00
		36	39	21.43	21.22	20.83	23.00
		75	0	21.29	21.12	20.76	23.00
	64QAM	1	0	21.09	21.00	20.64	23.00
		1	38	21.04	21.20	20.70	23.00
		1	74	20.87	20.96	20.82	23.00
		36	0	20.20	20.01	19.87	22.00
		36	18	20.37	20.18	19.94	22.00
		36	39	20.34	20.00	19.74	22.00
		75	0	20.27	20.17	19.93	22.00
	256QAM	1	0	18.02	17.86	17.90	20.00
		1	38	18.19	18.19	17.84	20.00
		1	74	18.24	18.03	17.66	20.00
		36	0	18.23	18.10	17.98	20.00
		36	18	18.25	18.24	18.03	20.00
		36	39	18.26	18.08	17.76	20.00
		75	0	18.28	18.12	17.97	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				41690	42590	43490	
20MHz	QPSK	1	0	22.89	22.90	22.92	23.50
		1	50	22.98	22.09	22.83	23.50
		1	99	22.88	23.07	22.81	23.50
		50	0	22.16	22.21	21.82	23.50
		50	25	22.29	22.23	21.88	23.50
		50	50	22.34	22.15	21.82	23.50
		100	0	22.27	22.15	21.81	23.50
	16QAM	1	0	21.87	22.03	21.77	23.50
		1	50	22.01	21.98	21.72	23.50
		1	99	22.08	22.01	21.88	23.50
		50	0	21.11	21.14	20.80	23.00
		50	25	21.32	21.19	20.87	23.00
		50	50	21.33	21.16	20.79	23.00
		100	0	21.26	21.12	20.83	23.00
	64QAM	1	0	21.00	21.06	20.73	23.00
		1	50	21.05	21.20	20.72	23.00
		1	99	20.94	20.87	20.78	23.00
		50	0	20.11	20.08	19.82	22.00
		50	25	20.31	20.11	19.91	22.00



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		50	50	20.35	20.02	19.82	22.00
		100	0	20.29	20.15	19.85	22.00
	256QAM	1	0	17.94	17.94	17.81	20.00
		1	50	18.09	18.14	17.87	20.00
		1	99	18.22	17.96	17.58	20.00
		50	0	18.15	18.18	17.90	20.00
		50	25	18.28	18.19	17.93	20.00
		50	50	18.30	18.12	17.85	20.00
		100	0	18.24	18.15	17.89	20.00

LTE Band 43 DS11/2/3/6				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				43615	44102	44590	45077	45565	
5MHz	QPSK	1	0	23.60	23.79	23.74	23.80	23.68	25.00
		1	50	23.62	24.01	23.98	24.03	23.78	25.00
		1	99	23.81	23.95	24.01	23.98	23.80	25.00
		50	0	22.42	22.87	22.86	22.85	22.53	24.00
		50	25	22.68	22.76	22.79	22.82	22.62	24.00
		50	50	22.72	23.10	23.06	23.18	22.60	24.00
		100	0	22.71	22.99	22.86	22.83	22.67	24.00
	16QAM	1	0	22.65	22.65	22.62	22.76	22.37	24.00
		1	50	22.53	22.70	22.70	22.80	22.40	24.00
		1	99	22.67	22.66	22.77	22.78	22.36	24.00
		50	0	21.45	22.01	21.95	21.99	21.90	23.00
		50	25	21.83	22.04	21.94	22.04	22.01	23.00
		50	50	21.88	22.07	22.15	22.09	21.81	23.00
		100	0	21.71	21.87	21.88	21.91	21.93	23.00
	64QAM	1	0	22.31	22.35	22.35	22.43	22.40	23.00
		1	50	22.33	22.43	22.48	22.49	22.19	23.00
		1	99	21.87	21.96	21.98	21.91	22.03	23.00
		50	0	21.11	21.15	21.13	21.01	20.95	22.00
		50	25	21.08	21.18	21.14	21.15	20.97	22.00
		50	50	20.98	20.87	20.93	21.08	20.98	22.00
		100	0	21.01	21.00	21.03	20.99	20.86	22.00
	256QAM	1	0	18.32	18.62	18.62	18.46	18.40	20.00
		1	50	18.66	19.08	18.99	19.04	18.72	20.00
		1	99	18.80	18.87	18.81	18.84	18.81	20.00
		50	0	18.65	19.16	18.95	19.07	18.70	20.00



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		50	25	18.62	18.99	19.12	18.91	18.85	20.00
		50	50	18.93	19.23	19.12	19.15	18.66	20.00
		100	0	18.72	19.02	19.08	19.03	18.52	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				43640	44115	44590	45065	45540	
10MHz	QPSK	1	0	23.73	23.74	23.77	23.65	23.71	25.00
		1	50	23.71	24.01	23.98	24.08	23.70	25.00
		1	99	23.79	23.92	24.05	23.98	23.81	25.00
		50	0	22.42	22.82	22.84	22.71	22.57	24.00
		50	25	22.75	22.63	22.83	22.90	22.49	24.00
		50	50	22.87	23.09	23.18	22.99	22.65	24.00
		100	0	22.64	23.00	22.87	22.99	22.55	24.00
	16QAM	1	0	22.48	22.62	22.70	22.83	22.51	24.00
		1	50	22.38	22.75	22.83	22.80	22.44	24.00
		1	99	22.72	22.81	22.73	22.75	22.31	24.00
		50	0	21.56	21.96	21.89	22.05	21.74	23.00
		50	25	21.78	21.97	21.92	21.93	21.96	23.00
		50	50	21.94	22.01	22.17	22.08	21.74	23.00
		100	0	21.62	21.88	22.01	22.01	21.84	23.00
	64QAM	1	0	22.49	22.37	22.50	22.34	22.43	23.00
		1	50	22.36	22.46	22.48	22.54	22.32	23.00
		1	99	21.86	21.97	22.02	22.07	22.04	23.00
		50	0	21.23	21.01	21.07	21.00	20.91	22.00
		50	25	21.01	21.14	21.20	21.10	20.91	22.00
		50	50	20.82	20.86	20.95	21.02	20.91	22.00
		100	0	21.01	21.09	21.03	21.16	20.84	22.00
	256QAM	1	0	18.19	18.57	18.53	18.57	18.36	20.00
		1	50	18.63	19.13	18.96	19.08	18.62	20.00
		1	99	18.90	18.79	18.81	18.92	18.82	20.00
		50	0	18.58	19.00	19.09	19.03	18.75	20.00
		50	25	18.72	19.08	18.97	19.07	18.82	20.00
		50	50	18.97	19.09	19.10	19.08	18.62	20.00
		100	0	18.72	19.03	19.07	19.14	18.69	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				43665	44127	44590	45052	45515	
15MHz	QPSK	1	0	23.74	23.61	23.74	23.61	23.69	25.00
		1	50	23.68	23.97	24.05	23.94	23.64	25.00
		1	99	23.79	24.04	23.93	24.05	23.87	25.00
		50	0	22.42	22.78	22.67	22.89	22.44	24.00
		50	25	22.65	22.70	22.82	22.70	22.68	24.00



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		50	50	22.77	23.16	23.14	23.06	22.47	24.00
		100	0	22.55	23.02	22.86	23.00	22.61	24.00
	16QAM	1	0	22.64	22.81	22.67	22.85	22.36	24.00
		1	50	22.54	22.68	22.77	22.78	22.35	24.00
		1	99	22.72	22.70	22.66	22.63	22.30	24.00
		50	0	21.41	21.93	22.08	22.06	21.80	23.00
		50	25	21.64	21.91	22.08	21.95	21.94	23.00
		50	50	21.92	21.99	22.10	22.16	21.78	23.00
		100	0	21.60	21.84	22.04	21.85	21.91	23.00
	64QAM	1	0	22.34	22.45	22.50	22.36	22.34	23.00
		1	50	22.31	22.40	22.48	22.55	22.18	23.00
		1	99	21.81	21.92	21.96	21.90	22.13	23.00
		50	0	21.19	21.15	21.02	21.17	20.83	22.00
		50	25	21.18	21.10	21.11	21.03	20.94	22.00
		50	50	21.01	21.04	20.95	20.96	20.95	22.00
		100	0	20.98	20.98	21.06	21.00	20.99	22.00
	256QAM	1	0	18.19	18.51	18.55	18.59	18.41	20.00
		1	50	18.61	19.08	18.96	19.14	18.66	20.00
		1	99	18.85	18.76	18.97	18.84	18.83	20.00
		50	0	18.59	19.11	19.00	18.96	18.72	20.00
		50	25	18.74	19.07	19.09	19.03	18.91	20.00
		50	50	18.94	19.26	19.08	19.13	18.64	20.00
		100	0	18.69	19.02	19.09	18.98	18.70	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				43690	44140	44590	45040	45490	
20MHz	QPSK	1	0	23.66	23.71	23.74	23.70	23.63	25.00
		1	50	23.70	23.94	23.95	23.98	23.71	25.00
		1	99	23.74	23.96	24.00	23.99	23.77	25.00
		50	0	22.50	22.80	22.77	22.79	22.50	24.00
		50	25	22.71	22.73	22.78	22.80	22.58	24.00
		50	50	22.81	23.14	23.11	23.09	22.57	24.00
		100	0	22.64	22.99	22.95	22.91	22.61	24.00
	16QAM	1	0	22.55	22.71	22.72	22.76	22.46	24.00
		1	50	22.44	22.74	22.79	22.74	22.45	24.00
		1	99	22.66	22.74	22.76	22.71	22.26	24.00
		50	0	21.50	21.93	21.98	21.96	21.80	23.00
		50	25	21.73	21.98	21.98	21.95	21.91	23.00
		50	50	21.86	22.06	22.07	22.12	21.79	23.00
		100	0	21.65	21.94	21.98	21.94	21.83	23.00
	64QAM	1	0	22.40	22.42	22.41	22.37	22.39	23.00



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		1	50	22.27	22.49	22.45	22.49	22.24	23.00
		1	99	21.91	22.01	22.01	21.97	22.09	23.00
		50	0	21.17	21.08	21.07	21.09	20.93	22.00
		50	25	21.09	21.12	21.10	21.08	21.01	22.00
		50	50	20.92	20.96	20.99	21.04	20.97	22.00
		100	0	21.06	21.02	21.06	21.06	20.93	22.00
	256QAM	1	0	18.23	18.58	18.54	18.50	18.46	20.00
		1	50	18.69	19.08	19.06	19.04	18.71	20.00
		1	99	18.88	18.86	18.87	18.87	18.88	20.00
		50	0	18.60	19.06	19.05	19.05	18.78	20.00
		50	25	18.66	19.04	19.05	19.00	18.82	20.00
		50	50	18.91	19.19	19.16	19.13	18.70	20.00
		100	0	18.76	18.97	18.99	19.04	18.61	20.00

LTE Band 43 DSI4/5				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				43615	44102	44590	45077	45565	
5MHz	QPSK	1	0	21.56	21.51	21.54	21.53	21.56	23.00
		1	50	21.74	21.75	21.74	21.74	21.74	23.00
		1	99	21.82	21.81	21.82	21.82	21.82	23.00
		50	0	21.75	21.68	21.69	21.78	21.75	23.00
		50	25	21.90	21.89	21.93	21.86	21.90	23.00
		50	50	21.91	21.88	21.91	21.93	21.91	23.00
		100	0	21.90	21.93	21.83	21.97	21.90	23.00
	16QAM	1	0	21.54	21.54	21.57	21.53	21.54	23.00
		1	50	21.75	21.79	21.73	21.75	21.75	23.00
		1	99	21.83	21.87	21.85	21.84	21.83	23.00
		50	0	21.76	21.73	21.81	21.75	21.76	23.00
		50	25	21.83	21.77	21.83	21.78	21.83	23.00
		50	50	21.84	21.86	21.81	21.87	21.84	23.00
		100	0	21.86	21.92	21.87	21.83	21.86	23.00
	64QAM	1	0	21.57	21.54	21.60	21.62	21.57	23.00
		1	50	21.73	21.79	21.68	21.69	21.73	23.00
		1	99	21.79	21.81	21.83	21.81	21.79	23.00
		50	0	21.10	21.13	21.09	21.12	21.10	22.00
		50	25	21.28	21.27	21.29	21.25	21.28	22.00
		50	50	21.35	21.34	21.34	21.37	21.35	22.00
		100	0	21.21	21.16	21.20	21.22	21.21	22.00



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		1	0	18.98	19.02	19.02	18.91	18.98	20.00
		1	50	19.24	19.19	19.24	19.23	19.24	20.00
		1	99	19.16	19.13	19.09	19.11	19.16	20.00
	256QAM	50	0	19.16	19.11	19.12	19.21	19.16	20.00
		50	25	19.31	19.31	19.32	19.31	19.31	20.00
		50	50	19.39	19.43	19.39	19.35	19.39	20.00
		100	0	19.25	19.25	19.26	19.30	19.25	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				43640	44115	44590	45065	45540	
10MHz	QPSK	1	0	21.56	21.52	21.57	21.51	21.56	23.00
		1	50	21.74	21.77	21.79	21.72	21.74	23.00
		1	99	21.82	21.84	21.80	21.85	21.82	23.00
		50	0	21.75	21.68	21.67	21.74	21.75	23.00
		50	25	21.90	21.86	21.87	21.92	21.90	23.00
		50	50	21.91	21.87	21.94	21.95	21.91	23.00
		100	0	21.90	21.90	21.84	21.92	21.90	23.00
	16QAM	1	0	21.54	21.55	21.51	21.61	21.54	23.00
		1	50	21.75	21.80	21.70	21.73	21.75	23.00
		1	99	21.83	21.85	21.82	21.89	21.83	23.00
		50	0	21.76	21.78	21.83	21.74	21.76	23.00
		50	25	21.83	21.77	21.89	21.85	21.83	23.00
		50	50	21.84	21.81	21.84	21.83	21.84	23.00
		100	0	21.86	21.88	21.92	21.84	21.86	23.00
	64QAM	1	0	21.57	21.53	21.61	21.63	21.57	23.00
		1	50	21.73	21.71	21.68	21.76	21.73	23.00
		1	99	21.79	21.78	21.79	21.83	21.79	23.00
		50	0	21.10	21.18	21.05	21.12	21.10	22.00
		50	25	21.28	21.25	21.29	21.23	21.28	22.00
		50	50	21.35	21.38	21.31	21.31	21.35	22.00
		100	0	21.21	21.16	21.19	21.24	21.21	22.00
	256QAM	1	0	18.98	19.02	18.97	18.92	18.98	20.00
		1	50	19.24	19.21	19.26	19.22	19.24	20.00
		1	99	19.16	19.15	19.09	19.09	19.16	20.00
		50	0	19.16	19.17	19.20	19.16	19.16	20.00
		50	25	19.31	19.27	19.33	19.31	19.31	20.00
		50	50	19.39	19.41	19.40	19.34	19.39	20.00
		100	0	19.25	19.21	19.26	19.32	19.25	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				43665	44127	44590	45052	45515	
15MHz	QPSK	1	0	21.56	21.55	21.58	21.53	21.56	23.00



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		1	50	21.74	21.77	21.77	21.77	21.74	23.00
		1	99	21.82	21.87	21.86	21.79	21.82	23.00
		50	0	21.75	21.76	21.73	21.78	21.75	23.00
		50	25	21.90	21.86	21.93	21.92	21.90	23.00
		50	50	21.91	21.86	21.99	21.93	21.91	23.00
		100	0	21.90	21.87	21.88	21.93	21.90	23.00
	16QAM	1	0	21.54	21.54	21.55	21.56	21.54	23.00
		1	50	21.75	21.74	21.75	21.76	21.75	23.00
		1	99	21.83	21.86	21.85	21.86	21.83	23.00
		50	0	21.76	21.76	21.75	21.78	21.76	23.00
		50	25	21.83	21.75	21.84	21.85	21.83	23.00
		50	50	21.84	21.79	21.83	21.87	21.84	23.00
		100	0	21.86	21.88	21.86	21.85	21.86	23.00
	64QAM	1	0	21.57	21.53	21.56	21.56	21.57	23.00
		1	50	21.73	21.77	21.69	21.68	21.73	23.00
		1	99	21.79	21.77	21.82	21.78	21.79	23.00
		50	0	21.10	21.13	21.08	21.08	21.10	22.00
		50	25	21.28	21.30	21.28	21.20	21.28	22.00
		50	50	21.35	21.38	21.28	21.31	21.35	22.00
		100	0	21.21	21.21	21.15	21.19	21.21	22.00
	256QAM	1	0	18.98	18.97	19.03	18.94	18.98	20.00
		1	50	19.24	19.25	19.28	19.26	19.24	20.00
		1	99	19.16	19.14	19.12	19.08	19.16	20.00
		50	0	19.16	19.12	19.12	19.20	19.16	20.00
		50	25	19.31	19.31	19.32	19.32	19.31	20.00
		50	50	19.39	19.44	19.42	19.37	19.39	20.00
		100	0	19.25	19.21	19.25	19.28	19.25	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				43690	44140	44590	45040	45490	
20MHz	QPSK	1	0	21.60	21.60	21.62	21.60	21.58	23.00
		1	50	21.82	21.82	21.81	21.81	21.82	23.00
		1	99	21.83	21.90	21.89	21.87	21.91	23.00
		50	0	21.83	21.77	21.76	21.80	21.83	23.00
		50	25	21.95	21.93	21.96	21.95	21.92	23.00
		50	50	21.92	21.92	22.00	21.98	21.99	23.00
		100	0	21.93	21.95	21.92	21.99	21.93	23.00
	16QAM	1	0	21.57	21.61	21.60	21.62	21.59	23.00
		1	50	21.76	21.82	21.78	21.79	21.79	23.00
		1	99	21.87	21.88	21.90	21.90	21.86	23.00
		50	0	21.83	21.82	21.84	21.81	21.77	23.00



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		50	25	21.88	21.84	21.92	21.87	21.89	23.00
		50	50	21.88	21.88	21.86	21.90	21.88	23.00
		100	0	21.95	21.93	21.93	21.88	21.92	23.00
	64QAM	1	0	21.65	21.59	21.65	21.65	21.59	23.00
		1	50	21.82	21.80	21.76	21.77	21.81	23.00
		1	99	21.80	21.86	21.88	21.87	21.83	23.00
		50	0	21.11	21.19	21.12	21.14	21.14	22.00
		50	25	21.37	21.32	21.30	21.29	21.34	22.00
		50	50	21.36	21.40	21.36	21.40	21.40	22.00
		100	0	21.27	21.24	21.24	21.27	21.30	22.00
	256QAM	1	0	19.07	19.04	19.05	18.99	19.02	20.00
		1	50	19.33	19.27	19.33	19.31	19.28	20.00
		1	99	19.23	19.20	19.17	19.17	19.20	20.00
		50	0	19.17	19.19	19.21	19.25	19.21	20.00
		50	25	19.35	19.33	19.36	19.35	19.32	20.00
		50	50	19.47	19.45	19.44	19.42	19.47	20.00
		100	0	19.34	19.29	19.32	19.33	19.32	20.00

LTE Band 48 DSI1/2/3/6				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55265	55990	56715	
5MHz	QPSK	1	0	22.56	22.53	22.88	24.00
		1	13	22.77	22.44	22.72	24.00
		1	24	22.71	22.56	22.86	24.00
		12	0	21.83	21.84	21.72	23.00
		12	6	21.95	21.72	21.68	23.00
		12	13	21.60	21.58	21.70	23.00
		25	0	21.82	21.75	21.52	23.00
	16QAM	1	0	21.52	21.43	21.39	23.00
		1	13	21.56	21.77	21.41	23.00
		1	24	21.47	21.61	21.43	23.00
		12	0	20.85	20.85	20.67	22.00
		12	6	20.81	20.87	20.72	22.00
		12	13	20.66	20.67	20.64	22.00
		25	0	20.82	20.77	20.57	22.00
	64QAM	1	0	20.44	20.40	20.34	22.00
		1	13	20.55	20.76	20.31	22.00
		1	24	20.51	20.53	20.39	22.00



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		12	0	19.88	19.81	19.63	21.00
		12	6	19.84	19.77	19.73	21.00
		12	13	19.65	19.66	19.60	21.00
		25	0	19.79	19.89	19.56	21.00
	256QAM	1	0	18.49	18.50	18.45	19.00
		1	13	18.55	18.48	18.29	19.00
		1	24	18.23	18.42	18.23	19.00
		12	0	18.35	18.35	18.29	19.00
		12	6	18.61	18.57	18.29	19.00
		12	13	18.54	18.35	18.31	19.00
		25	0	18.39	18.29	18.32	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55290	55990	56690	
10MHz	QPSK	1	0	22.63	22.60	23.01	24.00
		1	25	22.79	22.43	22.66	24.00
		1	49	22.68	22.64	22.99	24.00
		25	0	21.78	21.90	21.58	23.00
		25	13	21.81	21.86	21.63	23.00
		25	25	21.52	21.64	21.68	23.00
		50	0	21.75	21.89	21.57	23.00
	16QAM	1	0	21.53	21.41	21.49	23.00
		1	25	21.46	21.88	21.29	23.00
		1	49	21.47	21.64	21.41	23.00
		25	0	20.84	20.75	20.72	22.00
		25	13	20.89	20.89	20.73	22.00
		25	25	20.70	20.65	20.61	22.00
		50	0	20.73	20.79	20.65	22.00
	64QAM	1	0	20.44	20.47	20.52	22.00
		1	25	20.62	20.82	20.30	22.00
		1	49	20.44	20.57	20.53	22.00
		25	0	19.92	19.72	19.70	21.00
		25	13	19.78	19.90	19.70	21.00
		25	25	19.69	19.67	19.65	21.00
		50	0	19.67	19.89	19.56	21.00
	256QAM	1	0	18.64	18.54	18.32	19.00
		1	25	18.41	18.52	18.29	19.00
		1	49	18.18	18.28	18.36	19.00
		25	0	18.46	18.40	18.35	19.00
		25	13	18.54	18.49	18.39	19.00
		25	25	18.48	18.43	18.31	19.00



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		50	0	18.21	18.23	18.39	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55315	55990	56665	
15MHz	QPSK	1	0	22.49	22.68	22.91	24.00
		1	38	22.69	22.29	22.66	24.00
		1	74	22.73	22.47	22.93	24.00
		36	0	21.88	21.72	21.73	23.00
		36	18	21.81	21.83	21.61	23.00
		36	39	21.49	21.55	21.64	23.00
		75	0	21.78	21.81	21.62	23.00
	16QAM	1	0	21.57	21.43	21.39	23.00
		1	38	21.57	21.90	21.42	23.00
		1	74	21.47	21.50	21.40	23.00
		36	0	20.99	20.70	20.54	22.00
		36	18	21.00	20.90	20.69	22.00
		36	39	20.65	20.74	20.64	22.00
		75	0	20.73	20.77	20.60	22.00
	64QAM	1	0	20.44	20.56	20.47	22.00
		1	38	20.43	20.91	20.33	22.00
		1	74	20.41	20.55	20.47	22.00
		36	0	19.78	19.79	19.61	21.00
		36	18	19.83	19.90	19.64	21.00
		36	39	19.68	19.77	19.68	21.00
		75	0	19.64	19.81	19.60	21.00
	256QAM	1	0	18.64	18.50	18.42	19.00
		1	38	18.38	18.40	18.22	19.00
		1	74	18.21	18.26	18.28	19.00
		36	0	18.37	18.49	18.19	19.00
		36	18	18.61	18.40	18.35	19.00
		36	39	18.52	18.38	18.30	19.00
		75	0	18.39	18.38	18.29	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55340	55990	56640	
20MHz	QPSK	1	0	22.55	22.91	22.93	24.00
		1	50	22.78	22.39	22.74	24.00
		1	99	22.68	22.54	22.90	24.00
		50	0	21.88	21.81	21.67	23.00
		50	25	21.86	21.80	21.69	23.00
		50	50	21.59	21.65	21.70	23.00
		100	0	21.80	21.85	21.62	23.00



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	16QAM	1	0	21.56	21.44	21.48	23.00
		1	50	21.56	21.82	21.39	23.00
		1	99	21.54	21.59	21.46	23.00
		50	0	20.93	20.79	20.62	22.00
		50	25	20.91	20.80	20.67	22.00
		50	50	20.64	20.68	20.67	22.00
		100	0	20.77	20.82	20.66	22.00
	64QAM	1	0	20.51	20.49	20.43	22.00
		1	50	20.53	20.84	20.36	22.00
		1	99	20.50	20.61	20.48	22.00
		50	0	19.88	19.82	19.66	21.00
		50	25	19.86	19.81	19.69	21.00
		50	50	19.59	19.69	19.68	21.00
		100	0	19.74	19.81	19.63	21.00
	256QAM	1	0	18.58	18.52	18.36	19.00
		1	50	18.47	18.43	18.29	19.00
		1	99	18.28	18.32	18.31	19.00
		50	0	18.42	18.44	18.29	19.00
		50	25	18.56	18.48	18.31	19.00
		50	50	18.56	18.44	18.33	19.00
		100	0	18.29	18.29	18.38	19.00

LTE Band 48 DSI4/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55265	55990	56715	
5MHz	QPSK	1	0	20.13	20.20	20.20	22.00
		1	13	20.36	20.42	20.35	22.00
		1	24	20.56	20.53	20.50	22.00
		12	0	20.40	20.39	20.35	22.00
		12	6	20.54	20.54	20.53	22.00
		12	13	20.57	20.61	20.55	22.00
		25	0	20.43	20.49	20.49	22.00
	16QAM	1	0	20.11	20.14	20.14	22.00
		1	13	20.23	20.26	20.25	22.00
		1	24	20.48	20.45	20.48	22.00
		12	0	20.19	20.21	20.21	22.00
		12	6	20.26	20.26	20.26	22.00
		12	13	20.35	20.34	20.38	22.00



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		25	0	20.23	20.24	20.23	22.00
	64QAM	1	0	20.36	20.36	20.41	22.00
		1	13	20.27	20.33	20.28	22.00
		1	24	20.39	20.45	20.44	22.00
		12	0	19.62	19.58	19.62	21.00
		12	6	19.66	19.64	19.63	21.00
		12	13	19.67	19.65	19.63	21.00
		25	0	19.57	19.55	19.54	21.00
	256QAM	1	0	18.27	18.30	18.32	19.00
		1	13	18.24	18.24	18.25	19.00
		1	24	18.25	18.26	18.27	19.00
		12	0	18.22	18.28	18.24	19.00
		12	6	18.26	18.27	18.30	19.00
		12	13	18.26	18.32	18.25	19.00
		25	0	18.32	18.36	18.31	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55290	55990	56690	
10MHz	QPSK	1	0	20.13	20.20	20.20	22.00
		1	25	20.36	20.42	20.35	22.00
		1	49	20.56	20.53	20.50	22.00
		25	0	20.40	20.39	20.35	22.00
		25	13	20.54	20.54	20.53	22.00
		25	25	20.57	20.61	20.55	22.00
		50	0	20.43	20.49	20.49	22.00
	16QAM	1	0	20.11	20.14	20.14	22.00
		1	25	20.23	20.26	20.25	22.00
		1	49	20.48	20.45	20.48	22.00
		25	0	20.19	20.21	20.21	22.00
		25	13	20.26	20.26	20.26	22.00
		25	25	20.35	20.34	20.38	22.00
		50	0	20.23	20.24	20.23	22.00
	64QAM	1	0	20.36	20.36	20.41	22.00
		1	25	20.27	20.33	20.28	22.00
		1	49	20.39	20.45	20.44	22.00
		25	0	19.62	19.58	19.62	21.00
		25	13	19.66	19.64	19.63	21.00
		25	25	19.67	19.65	19.63	21.00
		50	0	19.57	19.55	19.54	21.00
	256QAM	1	0	18.27	18.30	18.32	19.00
		1	25	18.24	18.24	18.25	19.00



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		1	49	18.25	18.26	18.27	19.00
		25	0	18.22	18.28	18.24	19.00
		25	13	18.26	18.27	18.30	19.00
		25	25	18.26	18.32	18.25	19.00
		50	0	18.32	18.36	18.31	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55315	55990	56665	
15MHz	QPSK	1	0	20.13	20.20	20.20	22.00
		1	38	20.36	20.42	20.35	22.00
		1	74	20.56	20.53	20.50	22.00
		36	0	20.40	20.39	20.35	22.00
		36	18	20.54	20.54	20.53	22.00
		36	39	20.57	20.61	20.55	22.00
		75	0	20.43	20.49	20.49	22.00
	16QAM	1	0	20.11	20.14	20.14	22.00
		1	38	20.23	20.26	20.25	22.00
		1	74	20.48	20.45	20.48	22.00
		36	0	20.19	20.21	20.21	22.00
		36	18	20.26	20.26	20.26	22.00
		36	39	20.35	20.34	20.38	22.00
		75	0	20.23	20.24	20.23	22.00
	64QAM	1	0	20.36	20.36	20.41	22.00
		1	38	20.27	20.33	20.28	22.00
		1	74	20.39	20.45	20.44	22.00
		36	0	19.62	19.58	19.62	21.00
		36	18	19.66	19.64	19.63	21.00
		36	39	19.67	19.65	19.63	21.00
		75	0	19.57	19.55	19.54	21.00
	256QAM	1	0	18.27	18.30	18.32	19.00
		1	38	18.24	18.24	18.25	19.00
		1	74	18.25	18.26	18.27	19.00
		36	0	18.22	18.28	18.24	19.00
		36	18	18.26	18.27	18.30	19.00
		36	39	18.26	18.32	18.25	19.00
		75	0	18.32	18.36	18.31	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55340	55990	56640	
20MHz	QPSK	1	0	20.33	20.40	20.40	22.00
		1	50	20.56	20.62	20.55	22.00
		1	99	20.76	20.73	20.70	22.00



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		50	0	20.60	20.59	20.55	22.00
		50	25	20.74	20.74	20.73	22.00
		50	50	20.77	20.81	20.75	22.00
		100	0	20.63	20.69	20.69	22.00
	16QAM	1	0	20.11	20.14	20.14	22.00
		1	50	20.23	20.26	20.25	22.00
		1	99	20.48	20.45	20.48	22.00
		50	0	20.19	20.21	20.21	22.00
		50	25	20.26	20.26	20.26	22.00
		50	50	20.35	20.34	20.38	22.00
		100	0	20.23	20.24	20.23	22.00
	64QAM	1	0	20.36	20.36	20.41	22.00
		1	50	20.27	20.33	20.28	22.00
		1	99	20.39	20.45	20.44	22.00
		50	0	19.62	19.58	19.62	21.00
		50	25	19.66	19.64	19.63	21.00
		50	50	19.67	19.65	19.63	21.00
		100	0	19.57	19.55	19.54	21.00
	256QAM	1	0	18.27	18.30	18.32	19.00
		1	50	18.24	18.24	18.25	19.00
		1	99	18.25	18.26	18.27	19.00
		50	0	18.22	18.28	18.24	19.00
		50	25	18.26	18.27	18.30	19.00
		50	50	18.26	18.32	18.25	19.00
		100	0	18.32	18.36	18.31	19.00



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4 Conducted Power of Intra Band LTE Uplink CA

4.1 Conducted Power of LTE Uplink CA (Ant2)

Combination	Modulation	PCC					SCC					DSI2/6		DSI4/5		DSI1/3	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	41	20	39948	1	0	24.43	25.00	17.85	18.50	20.44	21.00
CA_41C	QPSK	41	20	40185	1	99	41	20	40383	1	0	24.35	25.00	17.91	18.50	20.38	21.00
CA_41C	QPSK	41	20	40620	1	99	41	20	40818	1	0	24.4	25.00	17.94	18.50	20.48	21.00
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	1	99	24.43	25.00	17.89	18.50	20.45	21.00
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	1	99	24.45	25.00	17.93	18.50	20.39	21.00
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	1	99	24.35	25.00	17.91	18.50	20.42	21.00

Combination	Modulation	PCC					SCC					DSI1/2/3/6		DSI4/5	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_66C	QPSK	66	20	132072	1	99	66	20	132270	1	0	23.39	24.50	18.42	19.50
CA_66C	QPSK	66	20	132322	1	99	66	20	132520	1	0	23.4	24.50	18.38	19.50
CA_66C	QPSK	66	20	132322	1	0	66	20	132124	1	99	23.42	24.50	18.39	19.50
CA_66C	QPSK	66	20	132572	1	0	66	20	132374	1	99	23.35	24.50	18.43	19.50

4.2 Conducted Power of LTE Uplink CA (Ant3)

Combination	Modulation	PCC					SCC					DSI1/2/3/6		DSI4/5	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_48C	QPSK	48	20	55340	1	99	48	20	55538	1	0	22.80	24.00	20.55	22.00
CA_48C	QPSK	48	20	55990	1	99	48	20	56188	1	0	22.84	24.00	20.35	22.00
CA_48C	QPSK	48	20	55990	1	0	48	20	55792	1	99	22.80	24.00	20.41	22.00
CA_48C	QPSK	48	20	56640	1	0	48	20	56442	1	99	22.75	24.00	20.4	22.00

5 Conducted Power of Intra Band LTE Downlink CA

5.1 Conducted Power of LTE Downlink CA (Ant1)

DL LTE CA Class	PCC						SCC1		SCC2		SCC3		SCC4		Power		
	LTE Band	BW (MHz)	Test ch./Freq.	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	LTE Band	BW (MHz)	LTE Band	BW (MHz)	LTE Band	BW (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	Tune up
CA_13A-48A	Band 13	10M	23230/782	QPSK	1	0	Band 48	20M	/	/	/	/	/	/	24.06	24.02	25
CA_2A-12A-66A	Band 12	10M	23095/707.5	QPSK	1	0	Band 2	20M	Band 66	20M	/	/	/	/	23.95	24.02	25
CA_2A-4A-5A	Band 5	10M	20525/836.5	QPSK	1	0	Band 2	20M	Band 4	20M	/	/	/	/	23.95	24.04	25
CA_2A-5A-48A	Band 5	10M	20525/836.5	QPSK	1	0	Band 2	20M	Band 48	20M	/	/	/	/	23.94	24.09	25
CA_2A-5A-66A	Band 5	10M	20525/836.5	QPSK	1	0	Band 2	20M	Band 66	20M	/	/	/	/	23.92	24.05	25
CA_4A-4A-12A	Band 12	10M	23095/707.5	QPSK	1	0	Band 4	20M	Band 4	20M	/	/	/	/	23.93	24.01	25
CA_4A-4A-5A	Band 5	10M	20525/836.5	QPSK	1	0	Band 4	20M	Band 4	20M	/	/	/	/	23.98	24.07	25
CA_5A-48A-66A	Band 5	10M	20525/836.5	QPSK	1	0	Band 48	20M	Band 66	20M	/	/	/	/	23.91	24.09	25
CA_5A-48C	Band 5	10M	20525/836.5	QPSK	1	0	Band 48	20M	Band 48	20M	/	/	/	/	23.91	24.01	25
CA_5A-66A-66A	Band 5	10M	20525/836.5	QPSK	1	0	Band 66	20M	Band 66	20M	/	/	/	/	23.95	24.07	25
CA_12A-30A-66A	Band 12	10M	23095/707.5	QPSK	1	0	Band 30	10M	Band 66	20M	/	/	/	/	23.97	24.01	25
CA_14A-30A-66A	Band 14	10M	23330/793	QPSK	1	0	Band 30	10M	Band 66	20M	/	/	/	/	23.98	24.06	25
CA_14A-66A-66A	Band 14	10M	23330/793	QPSK	1	0	Band 66	20M	Band 66	20M	/	/	/	/	23.94	24.05	25
CA_2A-12A-30A	Band 12	10M	23095/707.5	QPSK	1	0	Band 2	20M	Band 30	10M	/	/	/	/	23.94	24.02	25
CA_2A-14A-30A	Band 14	10M	23330/793	QPSK	1	0	Band 2	20M	Band 30	10M	/	/	/	/	23.97	24.03	25
CA_2A-14A-66A	Band 14	10M	23330/793	QPSK	1	0	Band 2	20M	Band 66	20M	/	/	/	/	23.97	24.07	25
CA_2A-2A-14A	Band 14	10M	23330/793	QPSK	1	0	Band 2	20M	Band 2	20M	/	/	/	/	23.96	24.06	25
CA_2A-5A-30A	Band 5	10M	20525/836.5	QPSK	1	0	Band 2	20M	Band 30	10M	/	/	/	/	23.94	24.06	25
CA_4A-12A-30A	Band 12	10M	23095/707.5	QPSK	1	0	Band 4	20M	Band 30	10M	/	/	/	/	23.95	24.06	25
CA_4A-5A-30A	Band 5	10M	20525/836.5	QPSK	1	0	Band 4	20M	Band 30	10M	/	/	/	/	23.94	24.04	25
CA_5A-30A-66A	Band 5	10M	20525/836.5	QPSK	1	0	Band 30	10M	Band 66	20M	/	/	/	/	23.97	24.09	25
CA_12A-66C	Band 12	10M	23095/707.5	QPSK	1	0	Band 66	20M	Band 66	20M	/	/	/	/	23.91	24.09	25
CA_4A-4A-71A	Band 71	20M	133322/683	QPSK	1	0	Band 4	20M	Band 4	20M	/	/	/	/	23.99	24.04	25
CA_4A-7A-12A	Band 12	10M	23095/707.5	QPSK	1	0	Band 4	20M	Band 7	20M	/	/	/	/	23.94	24.01	25
CA_7A-12A-66A	Band 12	10M	23095/707.5	QPSK	1	0	Band 7	20M	Band 66	20M	/	/	/	/	23.93	24.06	25
CA_5A-30A-66A-66A	Band 5	10M	20525/836.5	QPSK	1	0	Band 30	10M	Band 66	20M	Band 66	20M	/	/	23.91	24.02	25
CA_2A-12A-66C	Band 12	10M	23095/707.5	QPSK	1	0	Band 2	20M	Band 66	20M	Band 66	20M	/	/	23.94	24.05	25
CA_2A-66C-71A	Band 71	20M	133322/683	QPSK	1	0	Band 2	20M	Band 66	20M	Band 66	20M	/	/	23.96	24.09	25
CA_2A-66A-66A-71A	Band 71	20M	133322/683	QPSK	1	0	Band 2	20M	Band 66	20M	Band 66	20M	/	/	23.97	24.09	25
CA_2A-2A-66A-71A	Band 71	20M	133322/683	QPSK	1	0	Band 2	20M	Band 2	20M	Band 66	20M	/	/	23.92	24.01	25
CA_2A-2A-4A-71A	Band 71	20M	133322/683	QPSK	1	0	Band 2	20M	Band 2	20M	Band 4	20M	/	/	23.96	24.03	25
CA_2A-2A-4A-12A	Band 12	10M	23095/707.5	QPSK	1	0	Band 2	20M	Band 2	20M	Band 4	20M	/	/	23.99	24.08	25
CA_2A-2A-5A-7A	Band 5	10M	20525/836.5	QPSK	1	0	Band 2	20M	Band 2	20M	Band 7	20M	/	/	23.95	24.08	25
CA_2A-2A-7A-12A	Band 12	10M	23095/707.5	QPSK	1	0	Band 2	20M	Band 2	20M	Band 7	20M	/	/	23.99	24.03	25
CA_2A-4A-4A-12A	Band 12	10M	23095/707.5	QPSK	1	0	Band 2	20M	Band 4	20M	Band 4	20M	/	/	23.95	24.07	25
CA_5A-7A-66A-66A	Band 5	10M	20525/836.5	QPSK	1	0	Band 7	20M	Band 66	20M	Band 66	20M	/	/	23.94	24.07	25