

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

SZSAR-TRF-01-A05 Rev. A/0 Aug 16,2024

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	64QAM	1	0	19.33	19.41	19.43	19.45	19.14	20.00
		1	38	19.38	19.41	19.34	19.28	19.43	20.00
		1	74	19.50	19.18	19.44	19.19	19.36	20.00
		36	0	19.54	19.32	19.42	19.57	19.46	20.00
		36	18	19.50	19.42	19.64	19.48	19.29	20.00
		36	39	19.47	19.25	19.47	19.16	19.31	20.00
		75	0	19.23	19.64	19.35	19.22	19.28	20.00
	256QAM	1	0	19.21	19.19	19.43	19.52	19.43	20.00
		1	38	19.34	19.44	19.32	19.08	19.36	20.00
		1	74	19.50	19.27	19.40	19.45	19.37	20.00
		36	0	19.61	19.28	19.50	19.46	19.52	20.00
		36	18	19.53	19.43	19.68	19.47	19.42	20.00
		36	39	19.27	19.46	19.48	19.40	19.31	20.00
		75	0	19.22	19.52	19.40	19.29	19.42	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	19.26	19.41	19.39	19.36	19.35	20.00
		1	50	19.46	19.31	19.2	19.12	19.49	20.00
		1	99	19.56	19.14	19.5	19.35	19.38	20.00
		50	0	19.44	19.23	19.39	19.36	19.39	20.00
		50	25	19.36	19.4	19.49	19.5	19.39	20.00
		50	50	19.47	19.39	19.38	19.2	19.43	20.00
		100	0	19.37	19.64	19.34	19.4	19.25	20.00
	16QAM	1	0	19.3	19.3	19.44	19.5	19.36	20.00
		1	50	19.41	19.41	19.34	19.07	19.33	20.00
		1	99	19.52	19.3	19.39	19.36	19.35	20.00
		50	0	19.56	19.31	19.5	19.5	19.45	20.00
		50	25	19.46	19.44	19.44	19.53	19.43	20.00
		50	50	19.31	19.41	19.36	19.24	19.43	20.00
		100	0	19.45	19.49	19.35	19.3	19.28	20.00
	64QAM	1	0	19.23	19.40	19.51	19.53	19.19	20.00
		1	50	19.33	19.39	19.32	19.18	19.42	20.00
		1	99	19.43	19.28	19.48	19.28	19.38	20.00
		50	0	19.53	19.22	19.49	19.49	19.43	20.00
		50	25	19.50	19.44	19.58	19.52	19.25	20.00
		50	50	19.42	19.33	19.47	19.23	19.32	20.00
		100	0	19.29	19.54	19.25	19.32	19.36	20.00
	256QAM	1	0	19.18	19.29	19.46	19.42	19.36	20.00
		1	50	19.31	19.36	19.30	19.11	19.41	20.00



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		1	99	19.56	19.18	19.44	19.38	19.42	20.00
		50	0	19.56	19.36	19.46	19.51	19.43	20.00
		50	25	19.52	19.39	19.59	19.47	19.33	20.00
		50	50	19.35	19.50	19.44	19.35	19.32	20.00
		100	0	19.31	19.59	19.40	19.30	19.34	20.00



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4.3 Conducted Power of ENDC-LTE (Ant11)

LTE Band 7 DSI 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	17.59	17.55	17.51	19.00
		1	13	17.50	17.44	17.45	19.00
		1	24	17.61	17.59	17.71	19.00
		12	0	17.64	17.70	17.74	19.00
		12	6	17.76	17.78	17.58	19.00
		12	13	17.69	17.58	17.60	19.00
		25	0	17.74	17.85	17.81	19.00
	16QAM	1	0	17.45	17.59	17.39	19.00
		1	13	17.47	17.61	17.48	19.00
		1	24	17.42	17.53	17.64	19.00
		12	0	17.71	17.59	17.69	19.00
		12	6	17.77	17.68	17.60	19.00
		12	13	17.54	17.69	17.71	19.00
		25	0	17.77	17.81	17.73	19.00
	64QAM	1	0	17.45	17.45	17.40	19.00
		1	13	17.50	17.41	17.50	19.00
		1	24	17.63	17.46	17.63	19.00
		12	0	17.71	17.74	17.76	19.00
		12	6	17.83	17.72	17.59	19.00
		12	13	17.56	17.64	17.79	19.00
		25	0	17.75	17.80	17.87	19.00
	256QAM	1	0	16.91	17.11	16.86	18.50
		1	13	16.79	17.10	16.95	18.50
		1	24	17.09	17.09	17.08	18.50
		12	0	17.17	17.25	17.29	18.50
		12	6	17.24	17.24	17.19	18.50
		12	13	16.94	17.12	17.22	18.50
		25	0	17.24	17.33	17.27	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	17.47	17.58	17.54	19.00
		1	25	17.46	17.59	17.46	19.00
		1	49	17.46	17.45	17.59	19.00
		25	0	17.78	17.73	17.63	19.00



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		25	13	17.80	17.77	17.61	19.00
		25	25	17.60	17.65	17.67	19.00
		50	0	17.82	17.76	17.92	19.00
	16QAM	1	0	17.44	17.64	17.48	19.00
		1	25	17.30	17.64	17.46	19.00
		1	49	17.41	17.47	17.62	19.00
		25	0	17.64	17.58	17.86	19.00
		25	13	17.76	17.77	17.68	19.00
		25	25	17.53	17.57	17.69	19.00
		50	0	17.69	17.75	17.70	19.00
	64QAM	1	0	17.59	17.51	17.47	19.00
		1	25	17.52	17.58	17.55	19.00
		1	49	17.62	17.46	17.65	19.00
		25	0	17.67	17.78	17.80	19.00
		25	13	17.79	17.60	17.64	19.00
		25	25	17.69	17.62	17.74	19.00
		50	0	17.60	17.79	17.86	19.00
	256QAM	1	0	16.96	17.05	16.87	18.50
		1	25	16.85	16.98	17.02	18.50
		1	49	17.06	17.03	17.00	18.50
		25	0	17.16	17.16	17.36	18.50
		25	13	17.21	17.15	17.28	18.50
		25	25	17.06	17.09	17.21	18.50
		50	0	17.22	17.24	17.31	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	17.51	17.45	17.48	19.00
		1	38	17.50	17.51	17.52	19.00
		1	74	17.58	17.61	17.54	19.00
		36	0	17.61	17.81	17.67	19.00
		36	18	17.78	17.62	17.77	19.00
		36	39	17.58	17.57	17.56	19.00
		75	0	17.80	17.90	17.84	19.00
	16QAM	1	0	17.49	17.51	17.36	19.00
		1	38	17.48	17.62	17.56	19.00
		1	74	17.61	17.57	17.54	19.00
		36	0	17.60	17.67	17.80	19.00
		36	18	17.75	17.76	17.78	19.00
		36	39	17.60	17.70	17.75	19.00



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		75	0	17.68	17.89	17.71	19.00
	64QAM	1	0	17.49	17.46	17.49	19.00
		1	38	17.44	17.58	17.48	19.00
		1	74	17.68	17.56	17.57	19.00
		36	0	17.84	17.66	17.74	19.00
		36	18	17.76	17.61	17.75	19.00
		36	39	17.67	17.57	17.75	19.00
		75	0	17.73	17.65	17.96	19.00
	256QAM	1	0	16.93	17.00	16.86	18.50
		1	38	16.76	17.16	16.82	18.50
		1	74	17.15	17.15	17.02	18.50
		36	0	17.12	17.20	17.37	18.50
		36	18	17.27	17.18	17.18	18.50
		36	39	17.01	16.99	17.20	18.50
		75	0	17.20	17.17	17.26	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	17.51	17.55	17.46	19.00
		1	50	17.40	17.54	17.52	19.00
		1	99	17.55	17.55	17.63	19.00
		50	0	17.68	17.73	17.72	19.00
		50	25	17.72	17.69	17.67	19.00
		50	50	17.60	17.60	17.65	19.00
		100	0	17.74	17.80	17.86	19.00
	16QAM	1	0	17.45	17.57	17.46	19.00
		1	50	17.39	17.55	17.56	19.00
		1	99	17.51	17.57	17.62	19.00
		50	0	17.70	17.65	17.76	19.00
		50	25	17.71	17.73	17.69	19.00
		50	50	17.57	17.67	17.71	19.00
		100	0	17.74	17.80	17.80	19.00
	64QAM	1	0	17.50	17.51	17.46	19.00
		1	50	17.44	17.51	17.53	19.00
		1	99	17.59	17.52	17.61	19.00
		50	0	17.74	17.71	17.72	19.00
		50	25	17.73	17.69	17.68	19.00
		50	50	17.63	17.65	17.70	19.00
		100	0	17.67	17.73	17.86	19.00
	256QAM	1	0	16.89	17.05	16.92	18.50



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		1	50	16.84	17.06	16.92	18.50
		1	99	17.05	17.09	17.07	18.50
		50	0	17.22	17.25	17.33	18.50
		50	25	17.28	17.16	17.19	18.50
		50	50	17.00	17.07	17.25	18.50
		100	0	17.26	17.27	17.32	18.50



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LTE Band 7 DSI 3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	14.53	14.53	14.33	16.00
		1	13	14.44	14.48	14.45	16.00
		1	24	14.44	14.56	14.59	16.00
		12	0	14.80	14.81	14.68	16.00
		12	6	14.70	14.64	14.62	16.00
		12	13	14.60	14.62	14.59	16.00
		25	0	14.67	14.76	14.68	16.00
	16QAM	1	0	14.54	14.43	14.32	16.00
		1	13	14.43	14.65	14.47	16.00
		1	24	14.62	14.58	14.64	16.00
		12	0	14.70	14.62	14.66	16.00
		12	6	14.76	14.59	14.73	16.00
		12	13	14.60	14.57	14.53	16.00
		25	0	14.65	14.76	14.66	16.00
	64QAM	1	0	14.53	14.56	14.51	16.00
		1	13	14.37	14.52	14.46	16.00
		1	24	14.57	14.56	14.78	16.00
		12	0	14.80	14.66	14.71	16.00
		12	6	14.83	14.62	14.78	16.00
		12	13	14.68	14.74	14.64	16.00
		25	0	14.76	14.83	14.81	16.00
	256QAM	1	0	14.49	14.63	14.32	16.00
		1	13	14.38	14.51	14.62	16.00
		1	24	14.51	14.57	14.76	16.00
		12	0	14.63	14.78	14.83	16.00
		12	6	14.69	14.54	14.78	16.00
		12	13	14.62	14.65	14.71	16.00
		25	0	14.72	14.71	14.90	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	14.52	14.51	14.39	16.00
		1	25	14.30	14.45	14.44	16.00
		1	49	14.59	14.53	14.60	16.00
		25	0	14.67	14.78	14.80	16.00
		25	13	14.68	14.73	14.63	16.00



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		25	25	14.62	14.57	14.52	16.00
		50	0	14.66	14.75	14.65	16.00
	16QAM	1	0	14.45	14.40	14.45	16.00
		1	25	14.44	14.51	14.53	16.00
		1	49	14.47	14.66	14.57	16.00
		25	0	14.62	14.61	14.76	16.00
		25	13	14.81	14.69	14.59	16.00
		25	25	14.54	14.72	14.58	16.00
		50	0	14.83	14.80	14.67	16.00
		1	0	14.60	14.48	14.48	16.00
	64QAM	1	25	14.25	14.66	14.53	16.00
		1	49	14.59	14.64	14.58	16.00
		25	0	14.64	14.69	14.74	16.00
		25	13	14.78	14.63	14.75	16.00
		25	25	14.66	14.61	14.60	16.00
		50	0	14.84	14.81	14.85	16.00
		1	0	14.60	14.50	14.36	16.00
		1	25	14.44	14.49	14.57	16.00
	256QAM	1	49	14.69	14.46	14.65	16.00
		25	0	14.68	14.78	14.83	16.00
		25	13	14.69	14.73	14.61	16.00
		25	25	14.51	14.50	14.59	16.00
		50	0	14.76	14.72	14.82	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	14.57	14.53	14.47	16.00
		1	38	14.43	14.49	14.50	16.00
		1	74	14.52	14.64	14.56	16.00
		36	0	14.78	14.78	14.86	16.00
		36	18	14.72	14.70	14.66	16.00
		36	39	14.61	14.69	14.55	16.00
		75	0	14.76	14.78	14.85	16.00
	16QAM	1	0	14.62	14.41	14.34	16.00
		1	38	14.47	14.58	14.65	16.00
		1	74	14.53	14.64	14.68	16.00
		36	0	14.67	14.63	14.77	16.00
		36	18	14.80	14.61	14.59	16.00
		36	39	14.65	14.70	14.68	16.00
		75	0	14.80	14.73	14.63	16.00



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	64QAM	1	0	14.55	14.56	14.55	16.00
		1	38	14.37	14.63	14.50	16.00
		1	74	14.68	14.63	14.78	16.00
		36	0	14.76	14.70	14.85	16.00
		36	18	14.74	14.73	14.59	16.00
		36	39	14.64	14.67	14.62	16.00
		75	0	14.79	14.95	14.85	16.00
	256QAM	1	0	14.53	14.65	14.37	16.00
		1	38	14.27	14.51	14.59	16.00
		1	74	14.52	14.56	14.61	16.00
		36	0	14.63	14.72	14.67	16.00
		36	18	14.71	14.68	14.62	16.00
		36	39	14.52	14.52	14.58	16.00
		75	0	14.74	14.77	14.88	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	14.55	14.57	14.42	16.00
		1	50	14.37	14.49	14.52	16.00
		1	99	14.53	14.58	14.63	16.00
		50	0	14.70	14.77	14.77	16.00
		50	25	14.76	14.65	14.71	16.00
		50	50	14.57	14.59	14.60	16.00
		100	0	14.70	14.75	14.75	16.00
	16QAM	1	0	14.53	14.50	14.42	16.00
		1	50	14.40	14.56	14.56	16.00
		1	99	14.52	14.57	14.59	16.00
		50	0	14.68	14.68	14.72	16.00
		50	25	14.76	14.67	14.67	16.00
		50	50	14.57	14.65	14.62	16.00
		100	0	14.74	14.80	14.70	16.00
	64QAM	1	0	14.54	14.57	14.46	16.00
		1	50	14.35	14.56	14.49	16.00
		1	99	14.59	14.55	14.68	16.00
		50	0	14.73	14.73	14.77	16.00
		50	25	14.76	14.66	14.68	16.00
		50	50	14.58	14.64	14.63	16.00
		100	0	14.77	14.85	14.84	16.00
	256QAM	1	0	14.53	14.59	14.42	16.00
		1	50	14.36	14.56	14.52	16.00



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		1	99	14.59	14.55	14.68	16.00
		50	0	14.72	14.70	14.75	16.00
		50	25	14.76	14.64	14.70	16.00
		50	50	14.57	14.56	14.63	16.00
		100	0	14.76	14.75	14.84	16.00



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LTE Band 7 DSI 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	22.10	22.16	22.06	23.50
		1	13	22.00	22.10	22.21	23.50
		1	24	21.94	22.12	22.20	23.50
		12	0	21.21	21.14	21.08	22.50
		12	6	21.27	21.29	21.14	22.50
		12	13	21.11	21.00	20.99	22.50
		25	0	21.11	21.07	21.02	22.50
	16QAM	1	0	20.98	21.11	21.02	22.50
		1	13	21.12	20.94	20.93	22.50
		1	24	21.09	21.05	20.96	22.50
		12	0	20.05	20.06	20.01	21.50
		12	6	20.04	20.30	20.24	21.50
		12	13	20.14	20.07	20.15	21.50
		25	0	20.16	19.97	20.14	21.50
	64QAM	1	0	19.92	20.10	20.06	21.50
		1	13	20.07	20.13	20.03	21.50
		1	24	20.06	20.21	20.28	21.50
		12	0	19.12	19.07	19.10	20.50
		12	6	19.16	19.26	19.16	20.50
		12	13	19.10	18.98	18.98	20.50
		25	0	19.08	18.99	19.24	20.50
	256QAM	1	0	17.02	17.06	16.88	18.50
		1	13	16.80	17.04	17.10	18.50
		1	24	17.03	17.14	17.06	18.50
		12	0	17.17	17.17	17.28	18.50
		12	6	17.17	17.12	17.10	18.50
		12	13	17.18	17.22	17.26	18.50
		25	0	17.27	17.25	17.22	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	22.09	22.05	21.90	23.50
		1	25	21.98	22.17	22.19	23.50
		1	49	22.02	22.14	22.05	23.50
		25	0	21.22	21.15	21.26	22.50
		25	13	21.25	21.15	21.14	22.50



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		25	25	21.12	21.14	21.10	22.50
		50	0	21.11	21.09	20.89	22.50
	16QAM	1	0	21.11	21.00	21.06	22.50
		1	25	21.04	21.05	20.91	22.50
		1	49	20.91	21.02	20.99	22.50
		25	0	20.04	20.21	20.05	21.50
		25	13	20.20	20.16	20.07	21.50
		25	25	20.02	20.12	20.10	21.50
		50	0	20.00	20.12	20.13	21.50
		1	0	20.09	20.07	20.02	21.50
	64QAM	1	25	20.06	20.00	20.01	21.50
		1	49	20.06	20.22	20.21	21.50
		25	0	19.20	19.20	19.26	20.50
		25	13	19.07	19.08	19.30	20.50
		25	25	19.22	19.01	18.90	20.50
		50	0	19.00	19.04	19.22	20.50
		1	0	16.92	16.93	16.94	18.50
	256QAM	1	25	16.93	17.05	16.96	18.50
		1	49	17.04	17.15	17.06	18.50
		25	0	17.28	17.22	17.28	18.50
		25	13	17.23	17.27	17.14	18.50
		25	25	17.01	17.05	17.26	18.50
		50	0	17.28	17.33	17.40	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	22.00	22.14	21.94	23.50
		1	38	22.13	22.19	22.31	23.50
		1	74	21.91	22.15	22.22	23.50
		36	0	21.18	21.15	21.19	22.50
		36	18	21.30	21.14	21.27	22.50
		36	39	21.06	21.12	21.10	22.50
		75	0	21.03	21.06	20.97	22.50
	16QAM	1	0	21.09	21.13	21.01	22.50
		1	38	21.13	21.10	21.06	22.50
		1	74	21.11	21.02	21.11	22.50
		36	0	20.07	20.07	20.00	21.50
		36	18	20.22	20.10	20.12	21.50
		36	39	20.13	20.09	20.11	21.50
		75	0	20.14	20.04	20.11	21.50



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	64QAM	1	0	20.04	20.05	19.99	21.50
		1	38	20.12	20.01	20.04	21.50
		1	74	20.11	20.04	20.21	21.50
		36	0	19.18	19.05	19.08	20.50
		36	18	19.17	19.08	19.16	20.50
		36	39	19.09	19.03	18.95	20.50
		75	0	18.97	19.07	19.23	20.50
	256QAM	1	0	16.98	16.95	16.97	18.50
		1	38	17.00	17.10	17.11	18.50
		1	74	16.98	17.07	17.06	18.50
		36	0	17.14	17.12	17.28	18.50
		36	18	17.36	17.13	17.12	18.50
		36	39	17.20	17.08	17.14	18.50
		75	0	17.11	17.25	17.41	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.09	22.06	22.00	23.50
		1	50	22.08	22.14	22.23	23.50
		1	99	22.01	22.07	22.14	23.50
		50	0	21.22	21.14	21.16	22.50
		50	25	21.20	21.20	21.18	22.50
		50	50	21.14	21.06	21.08	22.50
		100	0	21.10	21.05	20.99	22.50
	16QAM	1	0	21.07	21.06	20.97	22.50
		1	50	21.12	21.02	20.99	22.50
		1	99	21.01	21.11	21.05	22.50
		50	0	20.05	20.14	20.04	21.50
		50	25	20.12	20.20	20.14	21.50
		50	50	20.12	20.13	20.15	21.50
		100	0	20.06	20.07	20.04	21.50
	64QAM	1	0	19.99	20.01	20.07	21.50
		1	50	20.14	20.09	20.00	21.50
		1	99	20.08	20.13	20.18	21.50
		50	0	19.11	19.13	19.16	20.50
		50	25	19.09	19.18	19.21	20.50
		50	50	19.15	19.06	19.00	20.50
		100	0	19.01	19.09	19.15	20.50
	256QAM	1	0	16.96	17.03	16.98	18.50
		1	50	16.90	17.00	17.02	18.50



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		1	99	17.04	17.07	17.10	18.50
		50	0	17.23	17.20	17.26	18.50
		50	25	17.26	17.21	17.14	18.50
		50	50	17.10	17.14	17.17	18.50
		100	0	17.20	17.25	17.32	18.50



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LTE Band 7 DSI 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	16.57	16.62	16.38	18.00
		1	13	16.37	16.45	16.51	18.00
		1	24	16.50	16.53	16.62	18.00
		12	0	16.74	16.75	16.81	18.00
		12	6	16.72	16.60	16.75	18.00
		12	13	16.62	16.59	16.64	18.00
		25	0	16.74	16.75	16.80	18.00
	16QAM	1	0	16.50	16.51	16.41	18.00
		1	13	16.43	16.59	16.54	18.00
		1	24	16.55	16.59	16.57	18.00
		12	0	16.70	16.65	16.68	18.00
		12	6	16.76	16.64	16.64	18.00
		12	13	16.55	16.63	16.67	18.00
		25	0	16.78	16.79	16.68	18.00
	64QAM	1	0	16.55	16.53	16.51	18.00
		1	13	16.37	16.53	16.50	18.00
		1	24	16.56	16.60	16.63	18.00
		12	0	16.78	16.69	16.73	18.00
		12	6	16.80	16.61	16.73	18.00
		12	13	16.55	16.69	16.60	18.00
		25	0	16.81	16.89	16.80	18.00
	256QAM	1	0	16.54	16.54	16.47	18.00
		1	13	16.41	16.58	16.56	18.00
		1	24	16.64	16.56	16.63	18.00
		12	0	16.70	16.69	16.76	18.00
		12	6	16.80	16.59	16.70	18.00
		12	13	16.57	16.53	16.64	18.00
		25	0	16.79	16.71	16.85	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	16.58	16.56	16.38	18.00
		1	25	16.35	16.49	16.54	18.00
		1	49	16.48	16.59	16.66	18.00
		25	0	16.73	16.81	16.77	18.00
		25	13	16.77	16.64	16.67	18.00



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		25	25	16.61	16.64	16.55	18.00
		50	0	16.65	16.73	16.79	18.00
	16QAM	1	0	16.52	16.54	16.45	18.00
		1	25	16.37	16.60	16.56	18.00
		1	49	16.55	16.57	16.56	18.00
		25	0	16.66	16.66	16.75	18.00
		25	13	16.72	16.67	16.64	18.00
		25	25	16.53	16.65	16.66	18.00
		50	0	16.72	16.77	16.72	18.00
		1	0	16.54	16.55	16.42	18.00
	64QAM	1	25	16.30	16.52	16.52	18.00
		1	49	16.63	16.56	16.64	18.00
		25	0	16.71	16.69	16.74	18.00
		25	13	16.81	16.62	16.73	18.00
		25	25	16.62	16.65	16.60	18.00
		50	0	16.76	16.90	16.87	18.00
		1	0	16.55	16.62	16.44	18.00
	256QAM	1	25	16.36	16.59	16.49	18.00
		1	49	16.62	16.56	16.71	18.00
		25	0	16.69	16.65	16.73	18.00
		25	13	16.77	16.60	16.70	18.00
		25	25	16.53	16.61	16.58	18.00
		50	0	16.74	16.74	16.80	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	16.55	16.56	16.37	18.00
		1	38	16.34	16.49	16.48	18.00
		1	74	16.52	16.59	16.61	18.00
		36	0	16.68	16.80	16.81	18.00
		36	18	16.80	16.67	16.71	18.00
		36	39	16.57	16.57	16.60	18.00
		75	0	16.75	16.78	16.75	18.00
	16QAM	1	0	16.51	16.49	16.37	18.00
		1	38	16.40	16.58	16.55	18.00
		1	74	16.53	16.60	16.62	18.00
		36	0	16.68	16.69	16.77	18.00
		36	18	16.79	16.72	16.69	18.00
		36	39	16.59	16.64	16.67	18.00
		75	0	16.78	16.83	16.70	18.00



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	64QAM	1	0	16.49	16.52	16.48	18.00
		1	38	16.38	16.58	16.47	18.00
		1	74	16.56	16.57	16.68	18.00
		36	0	16.72	16.72	16.72	18.00
		36	18	16.80	16.61	16.71	18.00
		36	39	16.59	16.66	16.67	18.00
		75	0	16.75	16.83	16.87	18.00
	256QAM	1	0	16.48	16.59	16.37	18.00
		1	38	16.38	16.52	16.52	18.00
		1	74	16.58	16.52	16.72	18.00
		36	0	16.75	16.65	16.72	18.00
		36	18	16.73	16.59	16.72	18.00
		36	39	16.61	16.56	16.67	18.00
		75	0	16.75	16.75	16.84	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	16.56	16.53	16.47	18.00
		1	50	16.37	16.50	16.48	18.00
		1	99	16.52	16.62	16.68	18.00
		50	0	16.74	16.81	16.82	18.00
		50	25	16.81	16.63	16.70	18.00
		50	50	16.61	16.55	16.59	18.00
		100	0	16.72	16.76	16.70	18.00
	16QAM	1	0	16.54	16.49	16.47	18.00
		1	50	16.36	16.60	16.55	18.00
		1	99	16.47	16.62	16.61	18.00
		50	0	16.67	16.65	16.74	18.00
		50	25	16.75	16.69	16.62	18.00
		50	50	16.52	16.66	16.65	18.00
		100	0	16.76	16.81	16.74	18.00
	64QAM	1	0	16.52	16.61	16.49	18.00
		1	50	16.33	16.51	16.49	18.00
		1	99	16.55	16.52	16.66	18.00
		50	0	16.71	16.70	16.82	18.00
		50	25	16.77	16.64	16.66	18.00
		50	50	16.60	16.63	16.62	18.00
		100	0	16.80	16.85	16.83	18.00
	256QAM	1	0	16.52	16.64	16.43	18.00
		1	50	16.32	16.53	16.48	18.00



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		1	99	16.55	16.53	16.66	18.00
		50	0	16.75	16.75	16.71	18.00
		50	25	16.73	16.60	16.70	18.00
		50	50	16.60	16.57	16.59	18.00
		100	0	16.79	16.78	16.87	18.00



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LTE Band 7 DSI 8/9/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	13.05	13.01	12.94	14.50
		1	13	12.85	13.00	12.94	14.50
		1	24	12.97	13.09	13.19	14.50
		12	0	13.23	13.34	13.37	14.50
		12	6	13.33	13.17	13.15	14.50
		12	13	13.06	13.10	13.09	14.50
		25	0	13.21	13.23	13.18	14.50
	16QAM	1	0	13.03	13.02	12.96	14.50
		1	13	12.90	13.07	13.08	14.50
		1	24	12.98	13.10	13.16	14.50
		12	0	13.16	13.12	13.26	14.50
		12	6	13.22	13.24	13.10	14.50
		12	13	13.00	13.18	13.16	14.50
		25	0	13.22	13.26	13.22	14.50
	64QAM	1	0	12.98	13.08	12.95	14.50
		1	13	12.81	12.99	13.00	14.50
		1	24	13.00	13.03	13.18	14.50
		12	0	13.24	13.20	13.33	14.50
		12	6	13.28	13.10	13.15	14.50
		12	13	13.10	13.13	13.12	14.50
		25	0	13.30	13.40	13.34	14.50
	256QAM	1	0	13.03	13.11	12.98	14.50
		1	13	12.84	13.02	12.93	14.50
		1	24	13.10	13.08	13.20	14.50
		12	0	13.29	13.20	13.20	14.50
		12	6	13.25	13.09	13.25	14.50
		12	13	13.10	13.04	13.09	14.50
		25	0	13.25	13.28	13.41	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	13.05	13.07	13.00	14.50
		1	25	12.90	13.01	13.01	14.50
		1	49	13.06	13.10	13.13	14.50
		25	0	13.28	13.30	13.33	14.50
		25	13	13.30	13.15	13.16	14.50



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		25	25	13.11	13.01	13.14	14.50
		50	0	13.20	13.27	13.22	14.50
	16QAM	1	0	13.07	12.95	13.01	14.50
		1	25	12.91	13.10	13.02	14.50
		1	49	12.94	13.07	13.16	14.50
		25	0	13.21	13.18	13.21	14.50
		25	13	13.20	13.22	13.12	14.50
		25	25	13.03	13.19	13.16	14.50
		50	0	13.24	13.28	13.25	14.50
		1	0	13.05	13.16	12.94	14.50
	64QAM	1	25	12.86	12.98	13.01	14.50
		1	49	13.09	13.05	13.19	14.50
		25	0	13.24	13.22	13.32	14.50
		25	13	13.26	13.18	13.18	14.50
		25	25	13.06	13.17	13.17	14.50
		50	0	13.29	13.38	13.38	14.50
		1	0	13.05	13.15	12.90	14.50
	256QAM	1	25	12.85	13.06	13.03	14.50
		1	49	13.00	13.08	13.18	14.50
		25	0	13.28	13.22	13.17	14.50
		25	13	13.22	13.11	13.16	14.50
		25	25	13.15	13.10	13.14	14.50
		50	0	13.26	13.25	13.32	14.50
		1	0	13.05	13.15	12.90	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	13.04	13.04	13.00	14.50
		1	38	12.84	13.05	13.01	14.50
		1	74	12.99	13.14	13.21	14.50
		36	0	13.26	13.35	13.32	14.50
		36	18	13.31	13.17	13.16	14.50
		36	39	13.11	13.04	13.14	14.50
		75	0	13.22	13.25	13.21	14.50
	16QAM	1	0	13.04	12.98	12.92	14.50
		1	38	12.81	13.12	13.02	14.50
		1	74	13.00	13.10	13.09	14.50
		36	0	13.19	13.19	13.21	14.50
		36	18	13.20	13.23	13.14	14.50
		36	39	13.03	13.17	13.10	14.50
		75	0	13.22	13.34	13.22	14.50



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	64QAM	1	0	13.01	13.08	12.96	14.50
		1	38	12.87	12.98	13.02	14.50
		1	74	13.04	13.04	13.18	14.50
		36	0	13.19	13.22	13.37	14.50
		36	18	13.23	13.17	13.14	14.50
		36	39	13.09	13.18	13.15	14.50
		75	0	13.26	13.40	13.33	14.50
	256QAM	1	0	12.99	13.16	12.88	14.50
		1	38	12.85	13.06	13.02	14.50
		1	74	13.05	13.04	13.18	14.50
		36	0	13.27	13.20	13.20	14.50
		36	18	13.23	13.15	13.19	14.50
		36	39	13.05	13.08	13.14	14.50
		75	0	13.33	13.32	13.33	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	13.02	13.06	12.94	14.50
		1	50	12.88	12.96	12.97	14.50
		1	99	13.02	13.16	13.17	14.50
		50	0	13.28	13.33	13.28	14.50
		50	25	13.31	13.16	13.20	14.50
		50	50	13.10	13.02	13.13	14.50
		100	0	13.20	13.25	13.20	14.50
	16QAM	1	0	13.01	12.98	12.92	14.50
		1	50	12.82	13.05	13.03	14.50
		1	99	12.98	13.12	13.07	14.50
		50	0	13.18	13.20	13.23	14.50
		50	25	13.22	13.16	13.17	14.50
		50	50	13.05	13.12	13.16	14.50
		100	0	13.30	13.29	13.26	14.50
	64QAM	1	0	13.00	13.09	12.95	14.50
		1	50	12.86	13.05	12.97	14.50
		1	99	13.00	13.05	13.16	14.50
		50	0	13.26	13.22	13.37	14.50
		50	25	13.27	13.09	13.13	14.50
		50	50	13.14	13.18	13.15	14.50
		100	0	13.27	13.38	13.38	14.50
	256QAM	1	0	13.02	13.12	12.98	14.50
		1	50	12.84	13.04	13.02	14.50



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		1	99	13.06	13.03	13.19	14.50
		50	0	13.29	13.23	13.17	14.50
		50	25	13.18	13.13	13.25	14.50
		50	50	13.13	13.04	13.04	14.50
		100	0	13.34	13.33	13.33	14.50



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5 Conducted Power of LTE Downlink CA

5.1 Conducted Power of LTE Downlink CA (Ant13)

DL LTE CA Class	PCC							SCC1		SCC2		SCC3		DSI4 Power		
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	LTE Band	BW (MHz)	LTE Band	BW (MHz)	With CA Tx.Power (dBm)	Ref to Tx.Power (dBm)	Tune up
CA_2C	Band 2	20M	1860	18700	QPSK	1	0	Band 2	20M	/	/	/	/	23.08	23.05	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	/	/	/	/	23.04	23.04	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 2	20M	/	/	/	/	22.94	22.95	24.00
CA_7C	Band 7	20M	2510	20850	QPSK	1	0	Band 7	20M	/	/	/	/	19.57	19.43	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	/	/	/	/	19.41	19.56	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	20M	/	/	/	/	19.59	19.46	20.50
CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	/	/	/	/	20.46	20.46	21.50
	Band 38	20M	2585.1	37901	QPSK	1	0	Band 38	20M	/	/	/	/	20.53	20.50	21.50
	Band 38	20M	2610	38150	QPSK	1	0	Band 38	20M	/	/	/	/	20.55	20.48	21.50
CA_41C	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	/	/	/	/	20.56	20.47	21.50
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	/	/	/	/	20.56	20.54	21.50
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	/	/	/	/	20.42	20.46	21.50
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	/	/	/	/	20.50	20.45	21.50
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	/	/	/	/	20.42	20.48	21.50
CA_66C	Band 66	20M	1720	132072	QPSK	1	0	Band 66	20M	/	/	/	/	23.48	23.59	24.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	/	/	/	/	23.55	23.41	24.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 66	20M	/	/	/	/	23.46	23.42	24.50
CA_66B	Band 66	15M	1717.5	132047	QPSK	1	0	Band 66	5M	/	/	/	/	23.55	23.57	24.50
	Band 66	15M	1745	132322	QPSK	1	0	Band 66	5M	/	/	/	/	23.46	23.45	24.50
	Band 66	15M	1772.5	132597	QPSK	1	0	Band 66	5M	/	/	/	/	23.44	23.49	24.50
CA_2A-2A	Band 2	20M	1860	18700	QPSK	1	0	Band 2	5M	/	/	/	/	22.93	23.08	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	/	/	/	/	22.94	23.02	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 2	5M	/	/	/	/	23.05	22.97	24.00
CA_4A-4A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	/	/	/	/	23.56	23.44	24.50



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	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	/	/	/	/	23.54	23.58	24.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	/	/	/	/	23.52	23.55	24.50
CA_5A-5A	Band 5	10M	829	20450	QPSK	1	0	Band 5	5M	/	/	/	/	24.03	24.04	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	5M	/	/	/	/	23.96	24.02	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 5	5M	/	/	/	/	23.98	24.09	25.00
CA_7A-7A	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	/	/	/	/	19.48	19.49	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	/	/	/	/	19.42	19.48	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	5M	/	/	/	/	19.58	19.43	20.50
CA_41A-41A	Band 41	20M	2506	39750	QPSK	1	0	Band 41	5M	/	/	/	/	20.49	20.53	21.50
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	5M	/	/	/	/	20.47	20.45	21.50
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	/	/	/	/	20.58	20.45	21.50
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	5M	/	/	/	/	20.56	20.48	21.50
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	5M	/	/	/	/	20.43	20.53	21.50
CA_66A-66A	Band 66	20M	1720	132072	QPSK	1	0	Band 66	5M	/	/	/	/	23.57	23.52	24.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	/	/	/	/	23.57	23.59	24.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 66	5M	/	/	/	/	23.47	23.45	24.50
CA_2A-4A	Band 2	20M	1860	18700	QPSK	1	0	Band 4	20M	/	/	/	/	22.96	23.08	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	/	/	/	/	22.97	23.06	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 4	20M	/	/	/	/	22.92	22.95	24.00
	Band 4	20M	1720	20050	QPSK	1	0	Band 2	20M	/	/	/	/	23.46	23.57	24.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	/	/	/	/	23.49	23.56	24.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 2	20M	/	/	/	/	23.49	23.45	24.50
CA_2A-5A	Band 2	20M	1860	18700	QPSK	1	0	Band 5	10M	/	/	/	/	22.91	22.91	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	/	/	/	/	22.94	23.05	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 5	10M	/	/	/	/	23.01	22.91	24.00
	Band 5	10M	829	20450	QPSK	1	0	Band 2	20M	/	/	/	/	24.03	24.00	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	/	/	/	/	23.91	24.00	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 2	20M	/	/	/	/	24.02	24.09	25.00
CA_2A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	/	/	/	/	22.98	23.00	24.00



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	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	/	/	/	/	22.99	22.99	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	/	/	/	/	23.02	22.96	24.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 2	20M	/	/	/	/	19.49	19.49	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	/	/	/	/	19.49	19.41	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 2	20M	/	/	/	/	19.53	19.51	20.50
CA_2A-26A	Band 2	20M	1860	18700	QPSK	1	0	Band 26	15M	/	/	/	/	22.96	22.96	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 26	15M	/	/	/	/	23.06	22.92	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 26	15M	/	/	/	/	23.09	22.92	24.00
	Band 26	15M	821.5	26765	QPSK	1	0	Band 2	20M	/	/	/	/	24.07	23.94	25.00
	Band 26	15M	831.5	26865	QPSK	1	0	Band 2	20M	/	/	/	/	24.00	24.06	25.00
	Band 26	15M	841.5	26965	QPSK	1	0	Band 2	20M	/	/	/	/	23.96	23.95	25.00
CA_2A-38A	Band 2	20M	1860	18700	QPSK	1	0	Band 38	20M	/	/	/	/	23.08	23.02	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 38	20M	/	/	/	/	22.94	23.03	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 38	20M	/	/	/	/	22.94	23.03	24.00
	Band 38	20M	2580	37850	QPSK	1	0	Band 2	20M	/	/	/	/	20.55	20.55	21.50
	Band 38	20M	2595	38000	QPSK	1	0	Band 2	20M	/	/	/	/	20.52	20.57	21.50
	Band 38	20M	2610	38150	QPSK	1	0	Band 2	20M	/	/	/	/	20.53	20.52	21.50
CA_2A-66A	Band 2	20M	1860	18700	QPSK	1	0	Band 66	20M	/	/	/	/	22.93	23.04	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	/	/	/	/	22.91	23.07	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 66	20M	/	/	/	/	23.00	22.98	24.00
	Band 66	20M	1720	132072	QPSK	1	0	Band 2	20M	/	/	/	/	23.49	23.47	24.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	/	/	/	/	23.41	23.47	24.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 2	20M	/	/	/	/	23.41	23.50	24.50
CA_4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 5	10M	/	/	/	/	23.50	23.47	24.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	/	/	/	/	23.41	23.49	24.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 5	10M	/	/	/	/	23.41	23.57	24.50
	Band 5	10M	829	20450	QPSK	1	0	Band 4	20M	/	/	/	/	23.95	23.91	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	/	/	/	/	23.99	23.91	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 4	20M	/	/	/	/	23.93	23.97	25.00



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CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	/	/	/	/	23.49	23.56	24.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	/	/	/	/	23.48	23.42	24.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	/	/	/	/	23.55	23.46	24.50
	Band 7	20M	2510	20850	QPSK	1	0	Band 4	20M	/	/	/	/	19.46	19.53	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	/	/	/	/	19.56	19.42	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	/	/	/	/	19.56	19.46	20.50
CA_5A-7A	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	/	/	/	/	24.07	23.99	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	/	/	/	/	24.04	24.06	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 7	20M	/	/	/	/	23.93	24.09	25.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 5	10M	/	/	/	/	19.59	19.43	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 5	10M	/	/	/	/	19.59	19.44	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 5	10M	/	/	/	/	19.43	19.52	20.50
CA_5A-38A	Band 5	10M	829	20450	QPSK	1	0	Band 38	20M	/	/	/	/	23.93	23.93	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 38	20M	/	/	/	/	24.07	24.01	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 38	20M	/	/	/	/	24.03	24.04	25.00
	Band 38	20M	2580	37850	QPSK	1	0	Band 5	10M	/	/	/	/	20.56	20.52	21.50
	Band 38	20M	2595	38000	QPSK	1	0	Band 5	10M	/	/	/	/	20.50	20.59	21.50
	Band 38	20M	2610	38150	QPSK	1	0	Band 5	10M	/	/	/	/	20.59	20.54	21.50
CA_5A-41A	Band 5	10M	829	20450	QPSK	1	0	Band 41	20M	/	/	/	/	23.96	24.09	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	/	/	/	/	24.07	24.03	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 41	20M	/	/	/	/	24.02	23.94	25.00
	Band 41	20M	2506	39750	QPSK	1	0	Band 5	10M	/	/	/	/	20.53	20.52	21.50
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 5	10M	/	/	/	/	20.43	20.57	21.50
	Band 41	20M	2593	40620	QPSK	1	0	Band 5	10M	/	/	/	/	20.55	20.50	21.50
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 5	10M	/	/	/	/	20.42	20.52	21.50
	Band 41	20M	2680	41490	QPSK	1	0	Band 5	10M	/	/	/	/	20.52	20.58	21.50
CA_5A-66A	Band 5	10M	829	20450	QPSK	1	0	Band 66	20M	/	/	/	/	23.98	23.99	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	/	/	/	/	24.02	23.92	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 66	20M	/	/	/	/	23.96	24.02	25.00



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	Band 66	20M	1720	132072	QPSK	1	0	Band 5	10M	/	/	/	/	23.43	23.51	24.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	/	/	/	/	23.53	23.52	24.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 5	10M	/	/	/	/	23.51	23.46	24.50
CA_7A-26A	Band 7	20M	2510	20850	QPSK	1	0	Band 26	15M	/	/	/	/	19.48	19.48	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 26	15M	/	/	/	/	19.53	19.43	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 26	15M	/	/	/	/	19.47	19.43	20.50
	Band 26	15M	821.5	26765	QPSK	1	0	Band 7	20M	/	/	/	/	23.91	24.08	25.00
	Band 26	15M	831.5	26865	QPSK	1	0	Band 7	20M	/	/	/	/	24.05	23.93	25.00
	Band 26	15M	841.5	26965	QPSK	1	0	Band 7	20M	/	/	/	/	23.97	24.02	25.00
CA_7A-66A	Band 7	20M	2510	20850	QPSK	1	0	Band 66	20M	/	/	/	/	19.45	19.45	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	/	/	/	/	19.55	19.41	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 66	20M	/	/	/	/	19.44	19.45	20.50
	Band 66	20M	1720	132072	QPSK	1	0	Band 7	20M	/	/	/	/	23.52	23.50	24.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 7	20M	/	/	/	/	23.53	23.43	24.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 7	20M	/	/	/	/	23.42	23.49	24.50
CA_26A-41A	Band 26	15M	821.5	26765	QPSK	1	0	Band 41	20M	/	/	/	/	24.05	24.01	25.00
	Band 26	15M	831.5	26865	QPSK	1	0	Band 41	20M	/	/	/	/	24.06	23.98	25.00
	Band 26	15M	841.5	26965	QPSK	1	0	Band 41	20M	/	/	/	/	24.05	24.03	25.00
	Band 41	20M	2506	39750	QPSK	1	0	Band 26	15M	/	/	/	/	20.41	20.57	21.50
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 26	15M	/	/	/	/	20.51	20.59	21.50
	Band 41	20M	2593	40620	QPSK	1	0	Band 26	15M	/	/	/	/	20.45	20.46	21.50
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 26	15M	/	/	/	/	20.46	20.53	21.50
	Band 41	20M	2680	41490	QPSK	1	0	Band 26	15M	/	/	/	/	20.53	20.54	21.50
CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	Band 5	10M	/	/	22.98	23.05	24.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	Band 2	20M	/	/	23.46	23.41	24.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	Band 4	20M	/	/	23.95	24.09	25.00
CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	Band 7	20M	/	/	23.00	22.92	24.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	Band 2	20M	/	/	23.57	23.52	24.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	Band 4	20M	/	/	19.56	19.46	20.50



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CA_2A-5A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	Band 7	20M	/	/	22.94	23.06	24.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	Band 5	10M	/	/	23.48	23.57	24.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	Band 4	20M	/	/	24.01	23.91	25.00
CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	Band 66	20M	/	/	22.93	23.08	24.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	Band 2	20M	/	/	23.98	23.97	25.00
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	Band 5	10M	/	/	23.51	23.48	24.50
CA_2A-7A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	22.97	22.92	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	22.97	23.08	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	23.06	23.04	24.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	19.59	19.51	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	19.48	19.42	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	19.56	19.57	20.50
CA_2A-7A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	Band 66	20M	/	/	23.03	23.02	24.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	Band 2	20M	/	/	19.49	19.49	20.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	Band 7	20M	/	/	23.42	23.41	24.50
CA_2A-7A-38A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	Band 66	20M	/	/	23.09	22.98	24.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 38	20M	Band 2	20M	/	/	19.59	19.47	20.50
	Band 38	20M	2595	38000	QPSK	1	0	Band 2	20M	Band 7	20M	/	/	20.44	20.56	21.50
CA_4A-4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	Band 5	10M	/	/	23.46	23.44	24.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	Band 5	10M	/	/	23.47	23.53	24.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	Band 5	10M	/	/	23.58	23.43	24.50
	Band 5	10M	829	20450	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	23.95	24.07	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	24.06	24.08	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	23.97	23.92	25.00
CA_4A-4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	23.55	23.55	24.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	23.53	23.50	24.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	23.56	23.53	24.50
	Band 7	20M	2510	20850	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	19.57	19.45	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	19.49	19.43	20.50



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	Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	19.53	19.52	20.50
CA_5A-7A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	Band 66	20M	/	/	23.97	23.95	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	Band 5	10M	/	/	19.45	19.56	20.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	Band 7	20M	/	/	23.49	23.48	24.50
CA_5A-66A-66A	Band 5	10M	829	20450	QPSK	1	0	Band 66	20M	Band 66	5M	/	/	24.02	23.98	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	Band 66	5M	/	/	24.00	23.94	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 66	20M	Band 66	5M	/	/	23.94	24.06	25.00
	Band 66	20M	1720	132072	QPSK	1	0	Band 66	5M	Band 5	10M	/	/	23.58	23.43	24.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	Band 5	10M	/	/	23.41	23.46	24.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 66	5M	Band 5	10M	/	/	23.55	23.58	24.50
CA_7A-66A-66A	Band 7	20M	2510	20850	QPSK	1	0	Band 66	20M	Band 66	5M	/	/	19.59	19.52	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	Band 66	5M	/	/	19.44	19.56	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 66	20M	Band 66	5M	/	/	19.49	19.45	20.50
	Band 66	20M	1720	132072	QPSK	1	0	Band 66	5M	Band 7	20M	/	/	23.49	23.50	24.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	Band 7	20M	/	/	23.47	23.51	24.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 66	5M	Band 7	20M	/	/	23.54	23.47	24.50
CA_41A-41A-41A	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	20.45	20.45	21.50
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	20.54	20.47	21.50
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	20.56	20.56	21.50
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	20.59	20.50	21.50
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	20.53	20.43	21.50
CA_2A-7C	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	22.96	23.01	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	23.09	23.07	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	22.94	23.07	24.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 7	20M	Band 2	20M	/	/	19.44	19.43	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	Band 2	20M	/	/	19.41	19.53	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	20M	Band 2	20M	/	/	19.43	19.43	20.50
CA_4A-7C	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	23.44	23.44	24.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	23.54	23.53	24.50



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	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	23.42	23.46	24.50
	Band 7	20M	2510	20850	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	19.43	19.52	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	19.52	19.49	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	19.54	19.55	20.50
CA_5A-7C	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	24.03	23.91	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	24.03	23.97	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	23.94	24.06	25.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 7	20M	Band 5	10M	/	/	19.58	19.46	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	Band 5	10M	/	/	19.57	19.59	20.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	20M	Band 5	10M	/	/	19.53	19.48	20.50
CA_5A-66C	Band 5	10M	829	20450	QPSK	1	0	Band 66	20M	Band 66	20M	/	/	24.00	24.00	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	Band 66	20M	/	/	24.07	23.93	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 66	20M	Band 66	20M	/	/	24.02	24.02	25.00
	Band 66	20M	1720	132072	QPSK	1	0	Band 66	20M	Band 5	10M	/	/	23.46	23.52	24.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	Band 5	10M	/	/	23.59	23.53	24.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 66	20M	Band 5	10M	/	/	23.58	23.43	24.50
CA_41D	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	20.45	20.55	21.50
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	20.51	20.54	21.50
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	20.55	20.54	21.50
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	20.54	20.48	21.50
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	20.51	20.41	21.50
CA_5A-7C-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	Band 7	20M	Band 66	20M	24.01	24.00	25.00
CA_5A-7A-66A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	Band 66	20M	Band 66	20M	24.03	24.05	25.00
CA_7C-66A-66A	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	Band 66	20M	Band 66	20M	19.46	19.59	20.50



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DL LTE CA Class	PCC							SCC1		SCC2		SCC3		DSI2 Power		
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	LTE Band	BW (MHz)	LTE Band	BW (MHz)	With CA Tx.Power (dBm)	Ref to Tx.Power (dBm)	Tune up
CA_2C	Band 2	20M	1860	18700	QPSK	1	0	Band 2	20M	/	/	/	/	15.55	15.53	16.50
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	20M	/	/	/	/	15.42	15.53	16.50
	Band 2	20M	1900	19100	QPSK	1	0	Band 2	20M	/	/	/	/	15.52	15.50	16.50
CA_7C	Band 7	20M	2510	20850	QPSK	1	0	Band 7	20M	/	/	/	/	13.54	13.57	14.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	/	/	/	/	13.55	13.50	14.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	20M	/	/	/	/	13.54	13.59	14.50
CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	/	/	/	/	14.50	14.53	15.50
	Band 38	20M	2585.1	37901	QPSK	1	0	Band 38	20M	/	/	/	/	14.47	14.42	15.50
	Band 38	20M	2610	38150	QPSK	1	0	Band 38	20M	/	/	/	/	14.45	14.57	15.50
CA_41C	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	/	/	/	/	14.45	14.48	15.50
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	/	/	/	/	14.50	14.59	15.50
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	/	/	/	/	14.56	14.41	15.50
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	/	/	/	/	14.48	14.55	15.50
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	/	/	/	/	14.42	14.55	15.50
CA_66C	Band 66	20M	1720	132072	QPSK	1	0	Band 66	20M	/	/	/	/	15.48	15.42	16.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	20M	/	/	/	/	15.49	15.56	16.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 66	20M	/	/	/	/	15.45	15.55	16.50
CA_66B	Band 66	15M	1717.5	132047	QPSK	1	0	Band 66	5M	/	/	/	/	15.50	15.46	16.50
	Band 66	15M	1745	132322	QPSK	1	0	Band 66	5M	/	/	/	/	15.53	15.58	16.50
	Band 66	15M	1772.5	132597	QPSK	1	0	Band 66	5M	/	/	/	/	15.41	15.51	16.50
CA_2A-2A	Band 2	20M	1860	18700	QPSK	1	0	Band 2	5M	/	/	/	/	15.48	15.58	16.50
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	/	/	/	/	15.44	15.41	16.50
	Band 2	20M	1900	19100	QPSK	1	0	Band 2	5M	/	/	/	/	15.46	15.56	16.50
CA_4A-4A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	/	/	/	/	15.45	15.44	16.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	/	/	/	/	15.44	15.57	16.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	/	/	/	/	15.42	15.49	16.50
CA_5A-5A	Band 5	10M	829	20450	QPSK	1	0	Band 5	5M	/	/	/	/	19.53	19.50	20.50



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	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	5M	/	/	/	/	19.43	19.47	20.50
	Band 5	10M	844	20600	QPSK	1	0	Band 5	5M	/	/	/	/	19.57	19.45	20.50
CA_7A-7A	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	/	/	/	/	13.52	13.48	14.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	/	/	/	/	13.48	13.49	14.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	5M	/	/	/	/	13.59	13.43	14.50
CA_41A-41A	Band 41	20M	2506	39750	QPSK	1	0	Band 41	5M	/	/	/	/	14.49	14.59	15.50
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	5M	/	/	/	/	14.50	14.57	15.50
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	5M	/	/	/	/	14.45	14.54	15.50
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	5M	/	/	/	/	14.53	14.47	15.50
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	5M	/	/	/	/	14.59	14.47	15.50
CA_66A-66A	Band 66	20M	1720	132072	QPSK	1	0	Band 66	5M	/	/	/	/	15.48	15.47	16.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 66	5M	/	/	/	/	15.57	15.49	16.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 66	5M	/	/	/	/	15.52	15.58	16.50
CA_2A-4A	Band 2	20M	1860	18700	QPSK	1	0	Band 4	20M	/	/	/	/	15.42	15.56	16.50
	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	/	/	/	/	15.58	15.53	16.50
	Band 2	20M	1900	19100	QPSK	1	0	Band 4	20M	/	/	/	/	15.43	15.41	16.50
	Band 4	20M	1720	20050	QPSK	1	0	Band 2	20M	/	/	/	/	15.53	15.59	16.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	/	/	/	/	15.49	15.45	16.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 2	20M	/	/	/	/	15.42	15.58	16.50
CA_2A-5A	Band 2	20M	1860	18700	QPSK	1	0	Band 5	10M	/	/	/	/	15.59	15.56	16.50
	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	/	/	/	/	15.52	15.51	16.50
	Band 2	20M	1900	19100	QPSK	1	0	Band 5	10M	/	/	/	/	15.57	15.47	16.50
	Band 5	10M	829	20450	QPSK	1	0	Band 2	20M	/	/	/	/	19.44	19.57	20.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	/	/	/	/	19.56	19.46	20.50
	Band 5	10M	844	20600	QPSK	1	0	Band 2	20M	/	/	/	/	19.49	19.48	20.50
CA_2A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	/	/	/	/	15.57	15.42	16.50
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	/	/	/	/	15.49	15.42	16.50
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	/	/	/	/	15.46	15.42	16.50
	Band 7	20M	2510	20850	QPSK	1	0	Band 2	20M	/	/	/	/	13.57	13.52	14.50



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	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	/	/	/	/	13.53	13.57	14.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 2	20M	/	/	/	/	13.51	13.54	14.50
CA_2A-26A	Band 2	20M	1860	18700	QPSK	1	0	Band 26	15M	/	/	/	/	15.50	15.42	16.50
	Band 2	20M	1880	18900	QPSK	1	0	Band 26	15M	/	/	/	/	15.52	15.54	16.50
	Band 2	20M	1900	19100	QPSK	1	0	Band 26	15M	/	/	/	/	15.46	15.47	16.50
	Band 26	15M	821.5	26765	QPSK	1	0	Band 2	20M	/	/	/	/	19.93	20.03	21.00
	Band 26	15M	831.5	26865	QPSK	1	0	Band 2	20M	/	/	/	/	20.07	19.91	21.00
	Band 26	15M	841.5	26965	QPSK	1	0	Band 2	20M	/	/	/	/	19.98	20.01	21.00
CA_2A-38A	Band 2	20M	1860	18700	QPSK	1	0	Band 38	20M	/	/	/	/	15.53	15.47	16.50
	Band 2	20M	1880	18900	QPSK	1	0	Band 38	20M	/	/	/	/	15.57	15.56	16.50
	Band 2	20M	1900	19100	QPSK	1	0	Band 38	20M	/	/	/	/	15.41	15.59	16.50
	Band 38	20M	2580	37850	QPSK	1	0	Band 2	20M	/	/	/	/	14.59	14.42	15.50
	Band 38	20M	2595	38000	QPSK	1	0	Band 2	20M	/	/	/	/	14.49	14.52	15.50
	Band 38	20M	2610	38150	QPSK	1	0	Band 2	20M	/	/	/	/	14.45	14.43	15.50
CA_2A-66A	Band 2	20M	1860	18700	QPSK	1	0	Band 66	20M	/	/	/	/	15.52	15.46	16.50
	Band 2	20M	1880	18900	QPSK	1	0	Band 66	20M	/	/	/	/	15.44	15.49	16.50
	Band 2	20M	1900	19100	QPSK	1	0	Band 66	20M	/	/	/	/	15.45	15.49	16.50
	Band 66	20M	1720	132072	QPSK	1	0	Band 2	20M	/	/	/	/	15.49	15.48	16.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	/	/	/	/	15.42	15.45	16.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 2	20M	/	/	/	/	15.45	15.56	16.50
CA_4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 5	10M	/	/	/	/	15.51	15.50	16.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	/	/	/	/	15.52	15.56	16.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 5	10M	/	/	/	/	15.59	15.48	16.50
	Band 5	10M	829	20450	QPSK	1	0	Band 4	20M	/	/	/	/	19.43	19.46	20.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	/	/	/	/	19.55	19.55	20.50
	Band 5	10M	844	20600	QPSK	1	0	Band 4	20M	/	/	/	/	19.59	19.52	20.50
CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	/	/	/	/	15.51	15.59	16.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	/	/	/	/	15.54	15.52	16.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	/	/	/	/	15.53	15.49	16.50



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	Band 7	20M	2510	20850	QPSK	1	0	Band 4	20M	/	/	/	/	13.45	13.58	14.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	/	/	/	/	13.53	13.47	14.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	/	/	/	/	13.49	13.46	14.50
CA_5A-7A	Band 5	10M	829	20450	QPSK	1	0	Band 7	20M	/	/	/	/	19.50	19.42	20.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	/	/	/	/	19.42	19.52	20.50
	Band 5	10M	844	20600	QPSK	1	0	Band 7	20M	/	/	/	/	19.56	19.52	20.50
	Band 7	20M	2510	20850	QPSK	1	0	Band 5	10M	/	/	/	/	13.47	13.49	14.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 5	10M	/	/	/	/	13.50	13.52	14.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 5	10M	/	/	/	/	13.45	13.49	14.50
CA_5A-38A	Band 5	10M	829	20450	QPSK	1	0	Band 38	20M	/	/	/	/	19.55	19.48	20.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 38	20M	/	/	/	/	19.52	19.48	20.50
	Band 5	10M	844	20600	QPSK	1	0	Band 38	20M	/	/	/	/	19.46	19.48	20.50
	Band 38	20M	2580	37850	QPSK	1	0	Band 5	10M	/	/	/	/	14.44	14.55	15.50
	Band 38	20M	2595	38000	QPSK	1	0	Band 5	10M	/	/	/	/	14.48	14.59	15.50
	Band 38	20M	2610	38150	QPSK	1	0	Band 5	10M	/	/	/	/	14.48	14.43	15.50
CA_5A-41A	Band 5	10M	829	20450	QPSK	1	0	Band 41	20M	/	/	/	/	19.59	19.41	20.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 41	20M	/	/	/	/	19.42	19.51	20.50
	Band 5	10M	844	20600	QPSK	1	0	Band 41	20M	/	/	/	/	19.54	19.50	20.50
	Band 41	20M	2506	39750	QPSK	1	0	Band 5	10M	/	/	/	/	14.46	14.46	15.50
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 5	10M	/	/	/	/	14.55	14.56	15.50
	Band 41	20M	2593	40620	QPSK	1	0	Band 5	10M	/	/	/	/	14.52	14.59	15.50
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 5	10M	/	/	/	/	14.53	14.44	15.50
	Band 41	20M	2680	41490	QPSK	1	0	Band 5	10M	/	/	/	/	14.51	14.58	15.50
CA_5A-66A	Band 5	10M	829	20450	QPSK	1	0	Band 66	20M	/	/	/	/	19.49	19.43	20.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	/	/	/	/	19.51	19.56	20.50
	Band 5	10M	844	20600	QPSK	1	0	Band 66	20M	/	/	/	/	19.48	19.56	20.50
	Band 66	20M	1720	132072	QPSK	1	0	Band 5	10M	/	/	/	/	15.49	15.48	16.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 5	10M	/	/	/	/	15.56	15.52	16.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 5	10M	/	/	/	/	15.52	15.52	16.50



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CA_7A-26A	Band 7	20M	2510	20850	QPSK	1	0	Band 26	15M	/	/	/	/	13.42	13.57	14.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 26	15M	/	/	/	/	13.41	13.52	14.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 26	15M	/	/	/	/	13.49	13.45	14.50
	Band 26	15M	821.5	26765	QPSK	1	0	Band 7	20M	/	/	/	/	19.97	19.98	21.00
	Band 26	15M	831.5	26865	QPSK	1	0	Band 7	20M	/	/	/	/	19.98	20.03	21.00
	Band 26	15M	841.5	26965	QPSK	1	0	Band 7	20M	/	/	/	/	19.96	19.97	21.00
CA_7A-66A	Band 7	20M	2510	20850	QPSK	1	0	Band 66	20M	/	/	/	/	13.53	13.48	14.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	/	/	/	/	13.49	13.46	14.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 66	20M	/	/	/	/	13.59	13.51	14.50
	Band 66	20M	1720	132072	QPSK	1	0	Band 7	20M	/	/	/	/	15.56	15.51	16.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 7	20M	/	/	/	/	15.43	15.43	16.50
	Band 66	20M	1770	132572	QPSK	1	0	Band 7	20M	/	/	/	/	15.51	15.41	16.50
CA_26A-41A	Band 26	15M	821.5	26765	QPSK	1	0	Band 41	20M	/	/	/	/	20.04	19.91	21.00
	Band 26	15M	831.5	26865	QPSK	1	0	Band 41	20M	/	/	/	/	19.95	20.02	21.00
	Band 26	15M	841.5	26965	QPSK	1	0	Band 41	20M	/	/	/	/	19.97	20.08	21.00
	Band 41	20M	2506	39750	QPSK	1	0	Band 26	15M	/	/	/	/	14.47	14.45	15.50
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 26	15M	/	/	/	/	14.57	14.50	15.50
	Band 41	20M	2593	40620	QPSK	1	0	Band 26	15M	/	/	/	/	14.47	14.43	15.50
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 26	15M	/	/	/	/	14.49	14.55	15.50
	Band 41	20M	2680	41490	QPSK	1	0	Band 26	15M	/	/	/	/	14.53	14.42	15.50
CA_2A-4A-5A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	Band 5	10M	/	/	15.57	15.47	16.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 5	10M	Band 2	20M	/	/	15.41	15.53	16.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	Band 4	20M	/	/	19.41	19.51	20.50
CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	Band 7	20M	/	/	15.57	15.59	16.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	Band 2	20M	/	/	15.45	15.41	16.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	Band 4	20M	/	/	13.51	13.44	14.50
CA_2A-5A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	Band 7	20M	/	/	15.41	15.46	16.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	Band 5	10M	/	/	15.47	15.47	16.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 2	20M	Band 4	20M	/	/	19.45	19.50	20.50



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CA_2A-5A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 5	10M	Band 66	20M	/	/	15.53	15.50	16.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 66	20M	Band 2	20M	/	/	19.45	19.46	20.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	Band 5	10M	/	/	15.53	15.55	16.50
CA_2A-7A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	15.51	15.55	16.50
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	15.51	15.44	16.50
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	15.42	15.43	16.50
	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	13.41	13.50	14.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	13.56	13.43	14.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	13.52	13.51	14.50
CA_2A-7A-66A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	Band 66	20M	/	/	15.55	15.47	16.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	Band 2	20M	/	/	13.54	13.42	14.50
	Band 66	20M	1745	132322	QPSK	1	0	Band 2	20M	Band 7	20M	/	/	15.49	15.55	16.50
CA_2A-7A-38A	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	Band 66	20M	/	/	15.48	15.43	16.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 38	20M	Band 2	20M	/	/	13.42	13.49	14.50
	Band 38	20M	2595	38000	QPSK	1	0	Band 2	20M	Band 7	20M	/	/	14.42	14.45	15.50
CA_4A-4A-5A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	Band 5	10M	/	/	15.58	15.41	16.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	Band 5	10M	/	/	15.46	15.42	16.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	Band 5	10M	/	/	15.58	15.48	16.50
	Band 5	10M	829	20450	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	19.50	19.58	20.50
	Band 5	10M	836.5	20525	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	19.54	19.55	20.50
	Band 5	10M	844	20600	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	19.55	19.52	20.50
CA_4A-4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	15.49	15.55	16.50
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	15.42	15.56	16.50
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	15.59	15.41	16.50
	Band 7	20M	2510	20850	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	13.49	13.48	14.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	13.54	13.42	14.50
	Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	13.49	13.51	14.50
CA_5A-7A-66A	Band 5	10M	836.5	20525	QPSK	1	0	Band 7	20M	Band 66	20M	/	/	19.54	19.42	20.50
	Band 7	20M	2535	21100	QPSK	1	0	Band 66	20M	Band 5	10M	/	/	13.56	13.58	14.50



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