

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

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

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		1	99	/	18.77	/	20.00
		50	0	/	18.66	/	20.00
		50	25	/	18.78	/	20.00
		50	50	/	18.76	/	20.00
		100	0	/	18.67	/	20.00

LTE Band 4 DSI1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	18.14	18.11	18.11	20.00
		1	2	18.16	18.12	18.12	20.00
		1	5	18.19	18.16	18.15	20.00
		3	0	18.17	18.23	18.20	20.00
		3	2	18.22	18.22	18.20	20.00
		3	3	18.27	18.29	18.26	20.00
	16QAM	6	0	18.24	18.16	18.17	20.00
		1	0	18.03	18.05	18.03	20.00
		1	2	18.06	18.09	18.14	20.00
		1	5	18.31	18.34	18.35	20.00
		3	0	18.19	18.21	18.14	20.00
		3	2	18.24	18.19	18.20	20.00
	64QAM	3	3	18.22	18.29	18.23	20.00
		6	0	18.23	18.21	18.18	20.00
		1	0	18.18	18.14	18.15	20.00
		1	2	18.26	18.23	18.23	20.00
		1	5	18.27	18.28	18.28	20.00
		3	0	18.15	18.21	18.22	20.00
3MHz	QPSK	3	2	18.23	18.20	18.18	20.00
		3	3	18.26	18.26	18.27	20.00
		6	0	18.26	18.22	18.25	20.00
	16QAM	1	0	18.31	18.32	18.35	20.00
		1	2	18.34	18.31	18.30	20.00
		1	5	18.26	18.26	18.22	20.00
	64QAM	3	0	18.26	18.18	18.26	20.00
		3	2	18.21	18.25	18.23	20.00
		3	3	18.28	18.28	18.23	20.00
		6	0	18.22	18.24	18.22	20.00
	16QAM	1	0	18.16	18.17	18.18	20.00
		1	7	18.13	18.20	18.13	20.00
		1	14	18.15	18.16	18.12	20.00
		8	0	18.24	18.19	18.22	20.00
		8	4	18.21	18.27	18.21	20.00
		8	7	18.29	18.29	18.29	20.00
	64QAM	15	0	18.20	18.22	18.16	20.00
		1	0	18.09	18.03	18.08	20.00
		1	7	18.13	18.09	18.12	20.00
		1	14	18.36	18.29	18.35	20.00
		8	0	18.21	18.17	18.19	20.00
		8	4	18.23	18.23	18.24	20.00
	16QAM	8	7	18.22	18.21	18.24	20.00
		15	0	18.18	18.25	18.17	20.00
	64QAM	1	0	18.17	18.22	18.21	20.00
		1	7	18.26	18.21	18.24	20.00
		1	14	18.29	18.25	18.27	20.00
		8	0	18.22	18.16	18.22	20.00
		8	4	18.25	18.22	18.17	20.00
		8	7	18.31	18.28	18.31	20.00



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		15	0	18.19	18.19	18.23	20.00
	256QAM	1	0	18.32	18.28	18.35	20.00
		1	7	18.35	18.35	18.28	20.00
		1	14	18.25	18.27	18.30	20.00
		8	0	18.21	18.23	18.18	20.00
		8	4	18.24	18.23	18.25	20.00
		8	7	18.29	18.24	18.24	20.00
		15	0	18.20	18.24	18.25	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	18.14	18.14	18.14	20.00
		1	13	18.20	18.12	18.14	20.00
		1	24	18.18	18.14	18.18	20.00
		12	0	18.21	18.22	18.18	20.00
		12	6	18.26	18.26	18.27	20.00
		12	13	18.21	18.25	18.28	20.00
		25	0	18.16	18.16	18.24	20.00
	16QAM	1	0	18.06	18.03	18.04	20.00
		1	13	18.08	18.09	18.09	20.00
		1	24	18.36	18.35	18.30	20.00
		12	0	18.16	18.21	18.19	20.00
		12	6	18.16	18.24	18.19	20.00
		12	13	18.29	18.26	18.29	20.00
		25	0	18.17	18.21	18.23	20.00
	64QAM	1	0	18.14	18.14	18.14	20.00
		1	13	18.25	18.26	18.26	20.00
		1	24	18.27	18.24	18.28	20.00
		12	0	18.22	18.14	18.15	20.00
		12	6	18.21	18.23	18.20	20.00
		12	13	18.28	18.26	18.24	20.00
		25	0	18.24	18.19	18.21	20.00
	256QAM	1	0	18.32	18.32	18.28	20.00
		1	13	18.35	18.34	18.35	20.00
		1	24	18.26	18.25	18.22	20.00
		12	0	18.24	18.21	18.19	20.00
		12	6	18.29	18.28	18.21	20.00
		12	13	18.21	18.23	18.25	20.00
		25	0	18.25	18.21	18.27	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	18.14	18.18	18.12	20.00
		1	25	18.19	18.17	18.20	20.00
		1	49	18.15	18.15	18.13	20.00
		25	0	18.18	18.18	18.20	20.00
		25	13	18.25	18.20	18.24	20.00
		25	25	18.27	18.24	18.25	20.00
		50	0	18.17	18.21	18.19	20.00
	16QAM	1	0	18.04	18.07	18.04	20.00
		1	25	18.08	18.14	18.14	20.00
		1	49	18.35	18.34	18.35	20.00
		25	0	18.20	18.21	18.15	20.00
		25	13	18.22	18.20	18.24	20.00
		25	25	18.25	18.21	18.26	20.00
		50	0	18.23	18.25	18.25	20.00
	64QAM	1	0	18.15	18.19	18.14	20.00
		1	25	18.24	18.20	18.20	20.00
		1	49	18.28	18.27	18.25	20.00
		25	0	18.14	18.14	18.18	20.00
		25	13	18.20	18.24	18.21	20.00
		25	25	18.29	18.27	18.28	20.00
		50	0	18.22	18.18	18.19	20.00



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		1	0	18.30	18.29	18.34	20.00
		1	25	18.30	18.28	18.34	20.00
		1	49	18.30	18.27	18.26	20.00
		25	0	18.19	18.22	18.25	20.00
		25	13	18.26	18.24	18.22	20.00
		25	25	18.26	18.28	18.29	20.00
		50	0	18.23	18.20	18.26	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	18.13	18.16	18.15	20.00
		1	38	18.12	18.19	18.15	20.00
		1	74	18.13	18.17	18.15	20.00
		36	0	18.18	18.24	18.16	20.00
		36	18	18.23	18.24	18.21	20.00
		36	39	18.29	18.27	18.27	20.00
		75	0	18.23	18.20	18.21	20.00
	16QAM	1	0	18.10	18.04	18.02	20.00
		1	38	18.10	18.13	18.06	20.00
		1	74	18.31	18.32	18.33	20.00
		36	0	18.18	18.19	18.22	20.00
		36	18	18.21	18.17	18.24	20.00
		36	39	18.25	18.28	18.23	20.00
		75	0	18.25	18.22	18.22	20.00
	64QAM	1	0	18.18	18.14	18.17	20.00
		1	38	18.22	18.20	18.19	20.00
		1	74	18.21	18.24	18.27	20.00
		36	0	18.21	18.21	18.15	20.00
		36	18	18.17	18.21	18.23	20.00
		36	39	18.31	18.25	18.31	20.00
		75	0	18.19	18.20	18.24	20.00
	256QAM	1	0	18.30	18.36	18.35	20.00
		1	38	18.34	18.28	18.28	20.00
		1	74	18.24	18.27	18.30	20.00
		36	0	18.26	18.18	18.19	20.00
		36	18	18.21	18.29	18.23	20.00
		36	39	18.25	18.23	18.25	20.00
		75	0	18.27	18.26	18.25	20.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 20175	Channel /	Tune up
20MHz	QPSK	1	0	/	18.09	/	20.00
		1	50	/	18.11	/	20.00
		1	99	/	18.11	/	20.00
		50	0	/	18.15	/	20.00
		50	25	/	18.18	/	20.00
		50	50	/	18.20	/	20.00
	16QAM	100	0	/	18.15	/	20.00
		1	0	/	18.01	/	20.00
		1	50	/	18.05	/	20.00
		1	99	/	18.28	/	20.00
		50	0	/	18.13	/	20.00
		50	25	/	18.15	/	20.00
	64QAM	50	50	/	18.20	/	20.00
		100	0	/	18.16	/	20.00
		1	0	/	18.13	/	20.00
		1	50	/	18.18	/	20.00
		1	99	/	18.20	/	20.00
		50	0	/	18.13	/	20.00
	256QAM	50	25	/	18.16	/	20.00
		50	50	/	18.22	/	20.00
		100	0	/	18.17	/	20.00
		1	0	/	18.27	/	20.00



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		1	50	/	18.27	/	20.00
		1	99	/	18.21	/	20.00
		50	0	/	18.17	/	20.00
		50	25	/	18.20	/	20.00
		50	50	/	18.20	/	20.00
		100	0	/	18.19	/	20.00

LTE Band 4 DS13/4/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	16.73	16.86	16.84	18.00
		1	2	16.71	16.65	16.75	18.00
		1	5	16.78	16.58	16.83	18.00
		3	0	16.95	17.02	16.93	18.00
		3	2	16.01	16.04	16.11	18.00
		3	3	16.04	16.04	16.09	18.00
	16QAM	6	0	16.03	16.04	16.08	18.00
		1	0	16.02	16.27	16.09	18.00
		1	2	16.74	16.59	16.99	18.00
		1	5	16.86	16.94	16.17	18.00
		3	0	17.01	16.89	16.89	18.00
		3	2	16.96	16.99	16.95	18.00
	64QAM	3	3	17.07	16.96	16.95	18.00
		6	0	16.98	16.98	16.88	18.00
		1	0	16.65	17.04	16.99	18.00
		1	2	16.97	16.76	17.04	18.00
		1	5	16.80	16.96	16.76	18.00
		3	0	16.99	16.99	16.77	18.00
	256QAM	3	2	17.00	17.00	16.86	18.00
		3	3	17.01	17.03	16.96	18.00
		6	0	17.00	17.04	16.89	18.00
		1	0	16.87	16.94	16.86	18.00
		1	2	16.94	17.05	16.80	18.00
		1	5	16.82	17.05	16.96	18.00
3MHz	QPSK	3	0	16.97	16.92	16.96	18.00
		3	2	17.01	16.96	16.89	18.00
		3	3	17.01	16.98	16.92	18.00
		6	0	16.98	16.96	16.92	18.00
	16QAM	1	0	16.76	16.81	16.81	18.00
		1	7	16.75	16.59	16.92	18.00
		1	14	16.89	16.90	16.20	18.00
		8	0	16.99	16.89	16.94	18.00
		8	4	17.04	16.96	16.93	18.00
		8	7	17.02	17.04	16.96	18.00
	64QAM	15	0	17.03	17.02	16.86	18.00
		1	0	16.67	16.99	16.96	18.00
		1	7	17.01	16.86	17.02	18.00
		1	14	16.83	16.94	16.84	18.00
		8	0	17.01	16.99	16.75	18.00
		8	4	17.02	16.98	16.83	18.00



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	256QAM	8	7	17.06	17.02	16.93	18.00
		15	0	17.00	17.03	16.84	18.00
		1	0	16.84	16.92	16.92	18.00
		1	7	16.94	17.06	16.79	18.00
		1	14	16.86	17.00	17.02	18.00
		8	0	16.95	16.92	16.97	18.00
		8	4	17.01	16.95	16.92	18.00
		8	7	17.04	17.02	16.85	18.00
		15	0	17.01	16.97	16.94	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	16.77	16.77	16.82	18.00
		1	13	16.76	16.68	16.82	18.00
		1	24	16.80	16.60	16.81	18.00
		12	0	16.98	16.94	16.88	18.00
		12	6	16.99	16.96	16.94	18.00
		12	13	16.03	16.02	16.90	18.00
	16QAM	25	0	16.97	16.96	16.64	18.00
		1	0	16.74	16.79	16.81	18.00
		1	13	16.72	16.62	16.97	18.00
		1	24	16.86	16.93	16.20	18.00
		12	0	17.01	16.87	16.90	18.00
		12	6	16.96	17.05	16.91	18.00
	64QAM	12	13	17.04	17.02	16.96	18.00
		25	0	16.93	16.94	16.88	18.00
		1	0	16.67	17.00	16.95	18.00
		1	13	17.05	16.80	16.96	18.00
		1	24	16.86	16.93	16.79	18.00
		12	0	16.99	17.03	16.77	18.00
	256QAM	12	6	17.03	17.00	16.87	18.00
		12	13	17.02	17.06	16.98	18.00
		25	0	17.04	16.95	16.93	18.00
		1	0	16.85	16.94	16.94	18.00
		1	13	16.91	17.07	16.81	18.00
		1	24	16.89	16.99	16.97	18.00
10MHz	QPSK	12	0	16.96	16.93	16.87	18.00
		12	6	16.94	17.02	16.90	18.00
		12	13	17.02	16.97	16.95	18.00
		25	0	17.05	16.95	16.94	18.00
		1	0	16.72	16.83	16.88	18.00
		1	25	16.73	16.69	16.74	18.00
	16QAM	1	49	16.72	16.55	16.81	18.00
		25	0	17.01	17.03	16.91	18.00
		25	13	16.98	16.02	16.94	18.00
		25	25	16.00	16.98	16.00	18.00
		50	0	16.00	16.03	16.71	18.00
		1	0	16.76	16.86	16.85	18.00
	64QAM	1	25	16.76	16.60	16.00	18.00
		1	49	16.89	16.94	16.13	18.00
		25	0	16.96	16.81	16.92	18.00
		25	13	17.01	16.96	16.92	18.00
		25	25	17.03	17.01	16.92	18.00
		50	0	16.95	16.99	16.85	18.00
	QPSK	1	0	16.71	17.01	16.90	18.00
		1	25	17.06	16.78	17.06	18.00
		1	49	16.87	16.89	16.75	18.00
		25	0	17.04	16.93	16.73	18.00
		25	13	17.04	17.03	16.85	18.00
		25	25	17.09	17.04	16.95	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	16.72	16.83	16.88	18.00
		1	25	16.73	16.69	16.74	18.00
		1	49	16.72	16.55	16.81	18.00
		25	0	17.01	17.03	16.91	18.00
		25	13	16.98	16.02	16.94	18.00
		25	25	16.00	16.98	16.00	18.00
	16QAM	50	0	16.00	16.03	16.71	18.00
		1	0	16.76	16.86	16.85	18.00
		1	25	16.76	16.60	16.00	18.00
		1	49	16.89	16.94	16.13	18.00
		25	0	16.96	16.81	16.92	18.00
		25	13	17.01	16.96	16.92	18.00
	64QAM	25	25	17.03	17.01	16.92	18.00
		50	0	16.95	16.99	16.85	18.00
		1	0	16.71	17.01	16.90	18.00
		1	25	17.06	16.78	17.06	18.00
		1	49	16.87	16.89	16.75	18.00
		25	0	17.04	16.93	16.73	18.00
	256QAM	25	13	17.04	17.03	16.85	18.00
		25	25	17.09	17.04	16.95	18.00



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		50	0	17.06	17.01	16.85	18.00
	256QAM	1	0	16.82	16.90	16.86	18.00
		1	25	16.91	17.00	16.83	18.00
		1	49	16.90	17.05	16.96	18.00
		25	0	16.98	16.92	16.89	18.00
		25	13	16.98	16.96	16.93	18.00
		25	25	16.99	16.99	16.92	18.00
		50	0	16.99	16.92	16.92	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	16.78	16.81	16.88	18.00
		1	38	16.78	16.69	16.81	18.00
		1	74	16.73	16.56	16.85	18.00
		36	0	16.95	17.01	16.97	18.00
		36	18	16.00	16.01	16.95	18.00
		36	39	16.02	16.07	16.95	18.00
		75	0	16.02	16.02	16.72	18.00
	16QAM	1	0	16.74	16.79	16.82	18.00
		1	38	16.70	16.56	16.94	18.00
		1	74	16.85	16.84	16.18	18.00
		36	0	17.03	16.80	16.94	18.00
		36	18	17.05	17.02	16.90	18.00
		36	39	17.08	16.96	16.98	18.00
		75	0	17.02	16.92	16.85	18.00
	64QAM	1	0	16.65	16.98	16.89	18.00
		1	38	16.98	16.79	17.02	18.00
		1	74	16.80	16.92	16.77	18.00
		36	0	16.98	17.03	16.76	18.00
		36	18	16.98	17.01	16.83	18.00
		36	39	17.00	17.02	16.99	18.00
		75	0	16.99	17.02	16.88	18.00
	256QAM	1	0	16.78	16.90	16.84	18.00
		1	38	16.99	17.02	16.80	18.00
		1	74	16.87	17.00	16.99	18.00
		36	0	16.96	16.95	16.93	18.00
		36	18	16.94	16.99	16.89	18.00
		36	39	17.00	16.96	16.95	18.00
		75	0	17.05	16.94	16.89	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	16.82	/	18.00
		1	50	/	16.66	/	18.00
		1	99	/	16.70	/	18.00
		50	0	/	17.02	/	18.00
		50	25	/	16.01	/	18.00
		50	50	/	16.05	/	18.00
		100	0	/	16.04	/	18.00
	16QAM	1	0	/	16.11	/	18.00
		1	50	/	16.08	/	18.00
		1	99	/	16.04	/	18.00
		50	0	/	16.82	/	18.00
		50	25	/	17.00	/	18.00
		50	50	/	17.03	/	18.00
		100	0	/	16.97	/	18.00
	64QAM	1	0	/	16.99	/	18.00
		1	50	/	16.83	/	18.00
		1	99	/	16.93	/	18.00
		50	0	/	16.95	/	18.00
		50	25	/	17.03	/	18.00
		50	50	/	16.94	/	18.00
		100	0	/	16.99	/	18.00



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	256QAM	1	0	/	17.01	/	18.00
		1	50	/	17.04	/	18.00
		1	99	/	16.99	/	18.00
		50	0	/	16.93	/	18.00
		50	25	/	17.09	/	18.00
		50	50	/	16.98	/	18.00
		100	0	/	16.88	/	18.00

LTE Band 7 DSI0				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	23.21	23.21	23.13	24.50
		1	13	23.12	23.11	23.07	24.50
		1	24	23.39	23.01	23.06	24.50
		12	0	22.67	22.04	22.13	23.50
		12	6	22.52	22.26	22.31	23.50
		12	13	22.38	22.28	22.30	23.50
		25	0	22.22	22.27	22.28	23.50
	16QAM	1	0	22.11	22.32	22.33	23.50
		1	13	22.30	22.03	22.10	23.50
		1	24	22.51	22.42	22.48	23.50
		12	0	21.45	21.36	21.39	22.50
		12	6	21.42	21.09	21.00	22.50
		12	13	21.41	21.20	21.22	22.50
		25	0	21.42	21.01	21.05	22.50
	64QAM	1	0	21.36	21.28	21.22	22.50
		1	13	21.10	21.12	21.22	22.50
		1	24	21.42	21.16	21.22	22.50
		12	0	20.44	20.34	20.37	21.50
		12	6	20.42	20.00	20.05	21.50
		12	13	20.31	20.05	20.17	21.50
		25	0	20.36	20.27	20.17	21.50
	256QAM	1	0	18.48	18.53	18.55	19.50
		1	13	18.49	18.28	18.27	19.50
		1	24	18.44	18.06	18.08	19.50
		12	0	18.51	18.22	18.24	19.50
		12	6	18.18	18.19	18.24	19.50
		12	13	18.00	18.05	18.00	19.50
		25	0	18.13	18.07	18.03	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	23.08	23.05	23.02	24.50
		1	25	23.10	23.13	23.09	24.50
		1	49	23.31	23.07	23.02	24.50
		25	0	22.57	22.10	22.14	23.50
		25	13	22.53	22.22	22.30	23.50
		25	25	22.43	22.18	22.23	23.50
	16QAM	50	0	22.32	22.20	22.21	23.50
		1	0	22.13	22.23	22.26	23.50
		1	25	22.26	22.03	22.08	23.50
		1	49	22.57	22.34	22.39	23.50
		25	0	21.43	21.31	21.32	22.50
		25	13	21.51	21.13	21.16	22.50
	64QAM	25	25	21.33	21.17	21.26	22.50
		50	0	21.44	21.17	21.01	22.50
		1	0	21.28	21.35	21.29	22.50
		1	25	21.12	21.17	21.20	22.50
		1	49	21.32	21.22	21.20	22.50
		25	0	20.45	20.26	20.28	21.50



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	256QAM	25	13	20.43	20.18	20.07	21.50
		25	25	20.30	20.06	20.20	21.50
		50	0	20.41	20.28	20.32	21.50
		1	0	18.49	18.50	18.54	19.50
		1	25	18.42	18.19	18.23	19.50
		1	49	18.47	18.16	18.08	19.50
		25	0	18.42	18.21	18.14	19.50
		25	13	18.30	18.39	18.45	19.50
		25	25	18.24	18.26	18.31	19.50
		50	0	18.19	18.07	18.14	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	23.34	23.22	23.15	24.50
		1	38	23.19	23.13	23.20	24.50
		1	74	23.23	23.01	23.12	24.50
		36	0	22.50	22.17	22.24	23.50
		36	18	22.50	22.26	22.31	23.50
		36	39	22.34	22.19	22.21	23.50
	16QAM	75	0	22.42	22.21	22.30	23.50
		1	0	22.13	22.33	22.24	23.50
		1	38	22.20	22.12	22.08	23.50
		1	74	22.49	22.41	22.43	23.50
		36	0	21.51	21.28	21.33	22.50
		36	18	21.42	21.12	21.19	22.50
	64QAM	36	39	21.40	21.08	21.03	22.50
		75	0	21.34	21.04	21.15	22.50
		1	0	21.35	21.30	21.23	22.50
		1	38	21.18	21.20	21.23	22.50
		1	74	21.32	21.32	21.42	22.50
		36	0	20.51	20.30	20.38	21.50
	256QAM	36	18	20.42	20.07	20.11	21.50
		36	39	20.31	20.17	20.35	21.50
		75	0	20.33	20.26	20.31	21.50
		1	0	18.57	18.53	18.43	19.50
		1	38	18.52	18.23	18.29	19.50
		1	74	18.41	18.12	18.04	19.50
20MHz	QPSK	36	0	18.34	18.17	18.10	19.50
		36	18	18.32	18.29	18.37	19.50
		36	39	18.23	18.20	18.25	19.50
		75	0	18.36	18.20	18.25	19.50
	16QAM	1	0	23.17	23.05	23.13	24.50
		1	50	23.06	23.16	23.05	24.50
		1	99	23.10	23.05	23.15	24.50
		50	0	22.26	22.00	22.02	23.50
		50	25	22.20	22.18	22.01	23.50
		50	50	22.17	22.15	22.01	23.50
	64QAM	100	0	22.20	22.19	22.03	23.50
		1	0	22.07	22.14	22.14	23.50
		1	50	22.06	22.13	22.05	23.50
		1	99	22.26	22.11	22.17	23.50
		50	0	21.26	21.03	21.19	22.50
		50	25	21.22	21.18	21.19	22.50
	256QAM	50	50	21.17	21.17	21.20	22.50
		100	0	21.19	21.13	21.18	22.50
		1	0	21.20	21.16	21.05	22.50
		1	50	21.03	21.17	21.02	22.50
		1	99	21.01	21.04	21.10	22.50
		50	0	20.23	20.20	20.02	21.50
		50	25	20.22	20.16	20.20	21.50



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		50	50	20.16	20.02	20.00	21.50
		100	0	20.20	20.03	20.02	21.50
	256QAM	1	0	18.37	18.41	18.12	19.50
		1	50	18.21	18.01	18.17	19.50
		1	99	18.19	18.05	18.13	19.50
		50	0	18.22	18.12	18.01	19.50
		50	25	18.16	18.20	18.17	19.50
		50	50	18.11	18.19	18.20	19.50
		100	0	18.16	18.01	18.00	19.50

LTE Band 7 DS11/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	17.16	17.28	17.23	18.50
		1	13	17.03	17.03	17.07	18.50
		1	24	17.48	17.01	17.02	18.50
		12	0	17.73	17.06	17.14	18.50
		12	6	17.47	17.17	17.36	18.50
		12	13	17.29	17.33	17.28	18.50
		25	0	17.12	17.37	17.27	18.50
	16QAM	1	0	17.02	17.27	17.38	18.50
		1	13	17.34	17.09	17.15	18.50
		1	24	17.44	17.33	17.56	18.50
		12	0	17.49	17.39	17.48	18.50
		12	6	17.36	17.01	16.91	18.50
		12	13	17.44	17.16	17.21	18.50
		25	0	17.43	16.91	17.14	18.50
	64QAM	1	0	17.41	17.26	17.23	18.50
		1	13	17.16	17.13	17.19	18.50
		1	24	17.45	17.08	17.31	18.50
		12	0	17.51	17.38	17.27	18.50
		12	6	17.46	17.02	17.01	18.50
		12	13	17.35	17.07	17.23	18.50
		25	0	17.41	17.19	17.17	18.50
	256QAM	1	0	17.47	17.56	17.59	18.50
		1	13	17.50	17.27	17.35	18.50
		1	24	17.47	17.09	17.16	18.50
		12	0	17.47	17.29	17.30	18.50
		12	6	17.25	17.19	17.17	18.50
		12	13	16.90	17.12	16.96	18.50
		25	0	17.13	17.04	17.08	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	17.09	17.05	16.92	18.50
		1	25	17.14	17.11	17.05	18.50
		1	49	17.41	17.10	16.96	18.50
		25	0	17.56	17.17	17.09	18.50
		25	13	17.59	17.17	17.21	18.50
		25	25	17.50	17.18	17.27	18.50
		50	0	17.38	17.21	17.21	18.50
	16QAM	1	0	17.21	17.20	17.29	18.50
		1	25	17.21	16.93	17.01	18.50
		1	49	17.52	17.31	17.47	18.50
		25	0	17.45	17.27	17.36	18.50
		25	13	17.58	17.19	17.06	18.50
		25	25	17.29	17.24	17.21	18.50
		50	0	17.40	17.12	17.11	18.50
	64QAM	1	0	17.38	17.43	17.24	18.50
		1	25	17.21	17.23	17.20	18.50



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		1	49	17.35	17.27	17.29	18.50
		25	0	17.50	17.33	17.29	18.50
		25	13	17.47	17.23	17.05	18.50
		25	25	17.35	17.05	17.28	18.50
		50	0	17.34	17.29	17.34	18.50
	256QAM	1	0	17.39	17.55	17.46	18.50
		1	25	17.33	17.11	17.26	18.50
		1	49	17.38	17.07	17.05	18.50
		25	0	17.43	17.17	17.20	18.50
		25	13	17.26	17.38	17.39	18.50
Bandwidth	Modulation	25	25	17.28	17.16	17.30	18.50
		50	0	17.10	17.00	17.24	18.50
		RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
	QPSK	1	0	17.29	17.19	17.09	18.50
		1	38	17.29	17.14	17.29	18.50
		1	74	17.23	16.92	17.06	18.50
		36	0	17.54	17.22	17.29	18.50
		36	18	17.55	17.33	17.36	18.50
		36	39	17.40	17.20	17.24	18.50
	16QAM	75	0	17.52	17.27	17.32	18.50
		1	0	17.06	17.34	17.34	18.50
		1	38	17.19	17.22	17.15	18.50
		1	74	17.44	17.45	17.40	18.50
		36	0	17.46	17.25	17.30	18.50
		36	18	17.36	17.11	17.18	18.50
15MHz	64QAM	36	39	17.45	17.09	17.05	18.50
		75	0	17.43	17.03	17.20	18.50
		1	0	17.39	17.37	17.13	18.50
		1	38	17.26	17.12	17.14	18.50
		1	74	17.23	17.42	17.40	18.50
		36	0	17.61	17.33	17.43	18.50
	256QAM	36	18	17.48	17.15	17.01	18.50
		36	39	17.31	17.21	17.35	18.50
		75	0	17.30	17.18	17.26	18.50
		1	0	17.57	17.62	17.48	18.50
		1	38	17.45	17.31	17.30	18.50
		1	74	17.36	17.05	17.09	18.50
Bandwidth	Modulation	36	0	17.33	17.12	17.04	18.50
		36	18	17.40	17.34	17.31	18.50
		36	39	17.31	17.15	17.28	18.50
		75	0	17.41	17.10	17.21	18.50
		RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
	QPSK	1	0	17.13	17.15	17.15	18.50
		1	50	17.09	17.19	17.23	18.50
		1	99	17.20	17.20	17.18	18.50
		50	0	17.24	17.10	16.94	18.50
		50	25	17.11	17.17	17.25	18.50
		50	50	17.24	17.16	16.98	18.50
20MHz	16QAM	100	0	17.20	17.23	17.06	18.50
		1	0	17.13	17.07	17.13	18.50
		1	50	16.98	17.12	17.02	18.50
		1	99	17.26	17.07	17.10	18.50
		50	0	17.16	17.07	17.27	18.50
		50	25	17.25	17.11	17.23	18.50
	64QAM	50	50	17.27	17.08	17.17	18.50
		100	0	17.16	17.05	17.19	18.50
		1	0	17.16	17.25	17.04	18.50
		1	50	16.99	17.20	16.98	18.50
		1	99	16.93	17.09	17.18	18.50



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		50	0	17.29	17.10	16.96	18.50
		50	25	17.26	17.22	17.19	18.50
		50	50	17.13	16.96	16.98	18.50
		100	0	17.26	16.96	17.00	18.50
	256QAM	1	0	17.41	17.36	17.22	18.50
		1	50	17.31	16.99	17.17	18.50
		1	99	17.19	17.13	17.20	18.50
		50	0	17.21	17.07	17.08	18.50
		50	25	17.15	17.11	17.15	18.50
		50	50	17.01	17.11	17.27	18.50
		100	0	17.10	17.04	17.01	18.50

LTE Band 7 DS13/4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	17.62	17.56	17.64	19.00
		1	13	17.50	17.62	17.49	19.00
		1	24	17.57	17.53	17.60	19.00
		12	0	17.69	17.47	17.53	19.00
		12	6	17.67	17.66	17.50	19.00
		12	13	17.68	17.63	17.50	19.00
		25	0	17.67	17.61	17.45	19.00
	16QAM	1	0	17.49	17.60	17.59	19.00
		1	13	17.49	17.56	17.52	19.00
		1	24	17.73	17.53	17.60	19.00
		12	0	17.73	17.52	17.68	19.00
		12	6	17.72	17.63	17.65	19.00
		12	13	17.63	17.58	17.70	19.00
		25	0	17.67	17.60	17.59	19.00
	64QAM	1	0	17.70	17.62	17.55	19.00
		1	13	17.48	17.62	17.44	19.00
		1	24	17.49	17.53	17.61	19.00
		12	0	17.71	17.69	17.50	19.00
		12	6	17.63	17.61	17.68	19.00
		12	13	17.64	17.47	17.50	19.00
		25	0	17.62	17.50	17.43	19.00
	256QAM	1	0	17.85	17.87	17.53	19.00
		1	13	17.62	17.46	17.60	19.00
		1	24	17.60	17.55	17.56	19.00
		12	0	17.64	17.63	17.43	19.00
		12	6	17.67	17.66	17.58	19.00
		12	13	17.52	17.64	17.63	19.00
		25	0	17.62	17.52	17.50	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	17.59	17.54	17.58	19.00
		1	25	17.55	17.60	17.51	19.00
		1	49	17.51	17.52	17.66	19.00
		25	0	17.67	17.43	17.50	19.00
		25	13	17.69	17.63	17.49	19.00
		25	25	17.62	17.57	17.47	19.00
		50	0	17.66	17.70	17.51	19.00
	16QAM	1	0	17.57	17.56	17.55	19.00
		1	25	17.51	17.57	17.51	19.00
		1	49	17.72	17.62	17.68	19.00
		25	0	17.67	17.54	17.70	19.00
		25	13	17.66	17.69	17.66	19.00
		25	25	17.59	17.61	17.71	19.00
		50	0	17.65	17.60	17.62	19.00



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	64QAM	1	0	17.63	17.66	17.52	19.00	
		1	25	17.44	17.63	17.49	19.00	
		1	49	17.45	17.45	17.61	19.00	
		25	0	17.64	17.70	17.52	19.00	
		25	13	17.66	17.57	17.66	19.00	
		25	25	17.67	17.53	17.43	19.00	
		50	0	17.68	17.49	17.46	19.00	
		256QAM	1	0	17.79	17.91	17.57	19.00
			1	25	17.65	17.52	17.66	19.00
			1	49	17.66	17.50	17.62	19.00
			25	0	17.70	17.59	17.50	19.00
			25	13	17.60	17.68	17.64	19.00
	25		25	17.53	17.64	17.64	19.00	
	50	0	17.64	17.42	17.51	19.00		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20825	21100	21375		
15MHz	QPSK	1	0	17.63	17.49	17.56	19.00	
		1	38	17.47	17.65	17.49	19.00	
		1	74	17.52	17.48	17.61	19.00	
		36	0	17.71	17.48	17.51	19.00	
		36	18	17.61	17.64	17.52	19.00	
		36	39	17.62	17.64	17.49	19.00	
	16QAM	75	0	17.61	17.69	17.51	19.00	
		1	0	17.57	17.63	17.62	19.00	
		1	38	17.56	17.57	17.48	19.00	
		1	74	17.77	17.60	17.63	19.00	
		36	0	17.71	17.48	17.64	19.00	
		36	18	17.71	17.68	17.66	19.00	
	64QAM	36	39	17.66	17.68	17.67	19.00	
		75	0	17.63	17.59	17.64	19.00	
		1	0	17.67	17.58	17.54	19.00	
		1	38	17.53	17.67	17.49	19.00	
		1	74	17.46	17.54	17.52	19.00	
		36	0	17.73	17.65	17.51	19.00	
	256QAM	36	18	17.64	17.60	17.62	19.00	
		36	39	17.60	17.53	17.41	19.00	
		75	0	17.63	17.50	17.49	19.00	
		1	0	17.79	17.85	17.57	19.00	
		1	38	17.72	17.43	17.62	19.00	
		1	74	17.65	17.56	17.61	19.00	
	20MHz	QPSK	36	0	17.73	17.62	17.52	19.00
			36	18	17.57	17.69	17.65	19.00
			36	39	17.59	17.66	17.61	19.00
			75	0	17.59	17.47	17.42	19.00
			1	0	17.60	17.51	17.54	19.00
			1	50	17.47	17.59	17.67	19.00
		16QAM	1	99	17.61	17.49	17.57	19.00
			50	0	17.66	17.48	17.70	19.00
			50	25	17.63	17.61	17.47	19.00
			50	50	17.64	17.56	17.50	19.00
100	0		17.61	17.70	17.44	19.00		
1	0		17.58	17.65	17.57	19.00		
64QAM	1	50	17.48	17.57	17.52	19.00		
	1	99	17.74	17.57	17.66	19.00		
	50	0	17.70	17.50	17.64	19.00		
	50	25	17.63	17.66	17.63	19.00		
	50	50	17.58	17.67	17.69	19.00		
	100	0	17.69	17.54	17.68	19.00		
		1	0	17.63	17.64	17.48	19.00	



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		1	50	17.47	17.62	17.43	19.00
		1	99	17.52	17.52	17.56	19.00
		50	0	17.71	17.64	17.51	19.00
		50	25	17.73	17.58	17.61	19.00
		50	50	17.63	17.51	17.44	19.00
		100	0	17.62	17.44	17.48	19.00
	256QAM	1	0	17.88	17.92	17.60	19.00
		1	50	17.66	17.47	17.68	19.00
		1	99	17.64	17.49	17.55	19.00
		50	0	17.65	17.57	17.51	19.00
		50	25	17.67	17.62	17.67	19.00
		50	50	17.62	17.62	17.69	19.00
		100	0	17.57	17.52	17.42	19.00

LTE Band 66 DSI0				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
1.4MHz	QPSK	1	0	131979	132322	132665	25.00
		1	2	23.50	23.48	23.31	25.00
		1	5	23.46	23.55	23.31	25.00
		3	0	23.59	23.69	23.31	25.00
		3	1	23.23	23.46	23.34	25.00
		3	3	23.61	23.17	23.18	25.00
	16QAM	3	3	23.23	23.46	23.25	25.00
		6	0	22.50	22.69	22.47	24.00
		1	0	22.83	22.44	22.65	24.00
		1	2	22.66	22.75	22.53	24.00
		1	5	22.27	22.81	22.57	24.00
		3	0	22.58	22.51	22.18	24.00
	64QAM	3	1	22.58	22.46	22.28	24.00
		3	3	22.61	22.37	22.24	24.00
		6	0	21.72	21.62	21.31	23.00
		1	0	21.36	21.57	21.33	23.00
		1	2	21.47	21.70	21.35	23.00
		1	5	21.67	21.58	21.73	23.00
	256QAM	3	0	21.53	21.42	21.27	23.00
		3	1	21.57	21.48	21.29	23.00
		3	3	21.63	21.50	21.28	23.00
		6	0	20.75	20.61	20.48	22.00
		1	0	18.69	18.82	18.55	20.00
		1	2	18.74	18.71	18.55	20.00
3MHz	QPSK	1	5	18.77	18.65	18.44	20.00
		3	0	18.75	18.66	18.46	20.00
		3	1	18.71	18.69	18.50	20.00
		3	3	18.77	18.65	18.44	20.00
		6	0	18.82	18.62	18.42	20.00
		1	0	23.45	23.47	23.40	25.00
	16QAM	1	7	23.50	23.50	23.33	25.00
		1	14	23.58	23.67	23.33	25.00
		8	0	22.45	22.67	22.53	24.00
		8	4	22.80	22.38	22.43	24.00
		8	7	22.47	22.68	22.46	24.00
		15	0	22.53	22.67	22.53	24.00
		1	0	22.88	22.38	22.68	24.00
		1	7	22.62	22.68	22.56	24.00
		1	14	22.36	22.81	22.64	24.00
		8	0	21.69	21.70	21.37	23.00
		8	4	21.76	21.69	21.42	23.00



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	64QAM	8	7	21.75	21.61	21.43	23.00
		15	0	21.75	21.66	21.34	23.00
		1	0	21.32	21.54	21.33	23.00
		1	7	21.52	21.70	21.35	23.00
		1	14	21.67	21.64	21.72	23.00
		8	0	20.72	20.62	20.49	22.00
		8	4	20.78	20.65	20.45	22.00
		8	7	20.80	20.69	20.49	22.00
		15	0	20.77	20.71	20.52	22.00
	256QAM	1	0	18.62	18.79	18.53	20.00
		1	7	18.82	18.68	18.51	20.00
		1	14	18.69	18.69	18.48	20.00
		8	0	18.67	18.65	18.54	20.00
		8	4	18.76	18.66	18.43	20.00
		8	7	18.82	18.64	18.41	20.00
		15	0	18.77	18.62	18.45	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 131997	Channel 132322	Channel 132647	Tune up
5MHz	QPSK	1	0	23.45	23.43	23.41	25.00
		1	13	23.47	23.56	23.38	25.00
		1	24	23.61	23.62	23.27	25.00
		12	0	22.37	22.66	22.53	24.00
		12	6	22.74	22.41	22.46	24.00
		12	13	22.48	22.68	22.49	24.00
		25	0	22.49	22.73	22.56	24.00
	16QAM	1	0	22.79	22.45	22.70	24.00
		1	13	22.59	22.65	22.58	24.00
		1	24	22.28	22.89	22.57	24.00
		12	0	21.70	21.69	21.40	23.00
		12	6	21.79	21.67	21.47	23.00
		12	13	21.74	21.58	21.44	23.00
		25	0	21.76	21.68	21.39	23.00
	64QAM	1	0	21.36	21.57	21.36	23.00
		1	13	21.47	21.74	21.28	23.00
		1	24	21.69	21.62	21.73	23.00
		12	0	20.74	20.64	20.55	22.00
		12	6	20.71	20.71	20.51	22.00
		12	13	20.85	20.65	20.52	22.00
		25	0	20.83	20.66	20.55	22.00
	256QAM	1	0	18.62	18.79	18.53	20.00
		1	13	18.72	18.67	18.52	20.00
		1	24	18.76	18.73	18.45	20.00
		12	0	18.70	18.58	18.55	20.00
		12	6	18.72	18.64	18.49	20.00
		12	13	18.79	18.70	18.45	20.00
		25	0	18.76	18.69	18.49	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	23.44	23.44	23.31	25.00
		1	25	23.54	23.54	23.28	25.00
		1	49	23.66	23.70	23.30	25.00
		25	0	22.39	22.65	22.52	24.00
		25	13	22.74	22.33	22.39	24.00
		25	25	22.44	22.71	22.50	24.00
		50	0	22.48	22.64	22.53	24.00
	16QAM	1	0	22.85	22.42	22.67	24.00
		1	25	22.64	22.67	22.50	24.00
		1	49	22.34	22.88	22.61	24.00
		25	0	21.75	21.67	21.32	23.00
		25	13	21.73	21.70	21.45	23.00
		25	25	21.80	21.57	21.46	23.00



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	64QAM	50	0	21.74	21.69	21.34	23.00
		1	0	21.42	21.63	21.35	23.00
		1	25	21.52	21.70	21.29	23.00
		1	49	21.61	21.61	21.74	23.00
		25	0	20.77	20.64	20.47	22.00
		25	13	20.76	20.70	20.49	22.00
		25	25	20.80	20.74	20.42	22.00
	256QAM	50	0	20.77	20.66	20.54	22.00
		1	0	18.67	18.77	18.58	20.00
		1	25	18.82	18.75	18.58	20.00
		1	49	18.77	18.73	18.51	20.00
		25	0	18.71	18.62	18.50	20.00
		25	13	18.69	18.71	18.41	20.00
		25	25	18.82	18.67	18.37	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	23.52	23.51	23.40	25.00
		1	38	23.52	23.53	23.29	25.00
		1	74	23.64	23.62	23.29	25.00
		36	0	22.42	22.70	22.58	24.00
		36	18	22.81	22.38	22.44	24.00
		36	39	22.45	22.66	22.47	24.00
	16QAM	75	0	22.53	22.70	22.48	24.00
		1	0	22.80	22.38	22.63	24.00
		1	38	22.66	22.72	22.52	24.00
		1	74	22.30	22.82	22.59	24.00
		36	0	21.72	21.75	21.35	23.00
		36	18	21.81	21.62	21.48	23.00
	64QAM	36	39	21.83	21.61	21.40	23.00
		75	0	21.69	21.65	21.38	23.00
		1	0	21.37	21.61	21.37	23.00
		1	38	21.56	21.72	21.30	23.00
		1	74	21.67	21.64	21.72	23.00
		36	0	20.81	20.70	20.54	22.00
	256QAM	36	18	20.76	20.63	20.47	22.00
		36	39	20.84	20.71	20.50	22.00
		75	0	20.82	20.62	20.52	22.00
		1	0	18.65	18.78	18.54	20.00
		1	38	18.82	18.74	18.51	20.00
		1	74	18.70	18.72	18.50	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.48	23.47	23.36	25.00
		1	50	23.51	23.51	23.33	25.00
		1	99	23.62	23.65	23.31	25.00
		50	0	22.41	22.68	22.55	24.00
		50	25	22.76	22.38	22.42	24.00
		50	50	22.48	22.71	22.49	24.00
		100	0	22.51	22.69	22.52	24.00
	16QAM	1	0	22.84	22.42	22.67	24.00
		1	50	22.64	22.70	22.53	24.00
		1	99	22.32	22.84	22.61	24.00
		50	0	21.74	21.70	21.37	23.00
		50	25	21.76	21.67	21.44	23.00
		50	50	21.79	21.60	21.41	23.00
		100	0	21.73	21.66	21.36	23.00



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	64QAM	1	0	21.37	21.58	21.35	23.00
		1	50	21.51	21.70	21.31	23.00
		1	99	21.64	21.60	21.71	23.00
		50	0	20.76	20.66	20.52	22.00
		50	25	20.76	20.66	20.50	22.00
		50	50	20.80	20.70	20.47	22.00
		100	0	20.78	20.66	20.52	22.00
	256QAM	1	0	18.66	18.77	18.53	20.00
		1	50	18.77	18.71	18.54	20.00
		1	99	18.72	18.70	18.46	20.00
		50	0	18.72	18.62	18.51	20.00
		50	25	18.73	18.66	18.46	20.00
		50	50	18.78	18.69	18.42	20.00
		100	0	18.77	18.65	18.45	20.00

LTE Band 66 DSI1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 131979	Channel 132322	Channel 132665	Tune up
1.4MHz	QPSK	1	0	18.99	18.94	18.91	20.50
		1	2	18.92	19.13	18.74	20.50
		1	5	19.10	19.17	18.79	20.50
		3	0	18.73	19.06	18.88	20.50
		3	1	19.03	18.76	18.78	20.50
		3	3	18.73	18.87	18.75	20.50
	16QAM	6	0	18.91	19.29	18.95	20.50
		1	0	19.43	18.98	19.13	20.50
		1	2	19.24	19.21	19.01	20.50
		1	5	18.77	19.37	19.08	20.50
		3	0	19.12	18.95	18.71	20.50
		3	1	19.03	18.91	18.74	20.50
	64QAM	3	3	19.13	18.92	18.68	20.50
		6	0	19.28	19.22	18.91	20.50
		1	0	18.76	19.03	18.75	20.50
		1	2	18.88	19.20	18.78	20.50
		1	5	19.22	19.13	19.16	20.50
		3	0	19.10	18.93	18.75	20.50
	256QAM	3	1	19.12	19.01	18.71	20.50
		3	3	19.03	18.96	18.84	20.50
		6	0	19.17	19.02	18.91	20.50
		1	0	18.76	18.91	18.62	20.00
		1	2	18.84	18.72	18.50	20.00
		1	5	18.83	18.66	18.36	20.00
3MHz	QPSK	3	0	18.69	18.68	18.39	20.00
		3	1	18.77	18.66	18.51	20.00
		3	3	18.83	18.71	18.45	20.00
		6	0	18.82	18.62	18.45	20.00
	16QAM	1	0	20.37	20.01	20.15	20.50
		1	7	20.17	20.32	20.00	20.50
		1	14	19.72	20.35	20.10	20.50
		8	0	20.16	19.92	19.73	20.50
		1	0	18.97	18.98	18.87	20.50
		1	7	18.98	19.14	18.82	20.50
		1	14	19.04	19.27	18.90	20.50
		8	0	18.67	18.97	18.86	20.50
	QPSK	8	4	19.10	18.57	18.62	20.50
		8	7	18.82	18.88	18.72	20.50
		15	0	19.99	20.12	20.06	20.50



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		8	4	20.13	20.05	19.71	20.50
		8	7	20.03	19.88	19.84	20.50
		15	0	19.15	19.10	18.85	20.50
	64QAM	1	0	18.88	19.03	18.85	20.50
		1	7	19.00	19.10	18.78	20.50
		1	14	19.15	19.12	19.17	20.50
		8	0	19.94	19.85	19.86	20.50
		8	4	20.14	20.07	19.76	20.50
		8	7	20.15	20.09	19.76	20.50
		15	0	19.27	19.10	19.01	20.50
	256QAM	1	0	18.64	18.78	18.45	20.00
		1	7	18.69	18.78	18.61	20.00
		1	14	18.76	18.55	18.54	20.00
		8	0	18.65	18.70	18.36	20.00
		8	4	18.65	18.71	18.43	20.00
		8	7	18.86	18.71	18.51	20.00
		15	0	18.72	18.52	18.42	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	19.00	19.04	18.90	20.50
		1	13	18.88	18.95	18.89	20.50
		1	24	19.02	19.19	18.89	20.50
		12	0	18.67	19.05	18.83	20.50
		12	6	19.04	18.62	18.77	20.50
		12	13	18.77	18.92	18.73	20.50
		25	0	18.94	19.28	19.00	20.50
	16QAM	1	0	19.40	18.93	19.09	20.50
		1	13	19.06	19.30	18.94	20.50
		1	24	18.85	19.24	19.04	20.50
		12	0	20.14	20.07	19.77	20.50
		12	6	20.15	19.94	19.84	20.50
		12	13	20.21	19.84	19.80	20.50
		25	0	19.16	19.20	18.80	20.50
	64QAM	1	0	18.82	19.10	18.90	20.50
		1	13	18.95	19.25	18.75	20.50
		1	24	19.27	19.11	19.23	20.50
		12	0	19.98	19.92	19.76	20.50
		12	6	20.13	20.08	19.70	20.50
		12	13	20.08	19.98	19.77	20.50
		25	0	19.17	19.14	19.04	20.50
	256QAM	1	0	18.59	18.76	18.53	20.00
		1	13	18.72	18.67	18.45	20.00
		1	24	18.74	18.62	18.48	20.00
		12	0	18.71	18.72	18.37	20.00
		12	6	18.74	18.73	18.55	20.00
		12	13	18.72	18.64	18.35	20.00
		25	0	18.88	18.60	18.34	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	18.93	19.06	18.85	20.50
		1	25	18.84	18.87	18.92	20.50
		1	49	19.00	19.11	18.95	20.50
		25	0	18.73	18.98	18.77	20.50
		25	13	19.02	18.58	18.68	20.50
		25	25	18.79	18.95	18.81	20.50
		50	0	18.90	19.34	19.10	20.50
	16QAM	1	0	19.47	18.85	19.13	20.50
		1	25	19.05	19.40	18.85	20.50
		1	49	18.92	19.30	19.11	20.50
		25	0	20.19	20.05	19.82	20.50
		25	13	20.22	19.90	19.76	20.50



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	64QAM	25	25	20.29	19.90	19.80	20.50
		50	0	19.12	19.30	18.79	20.50
		1	0	18.73	19.10	18.89	20.50
		1	25	18.95	19.19	18.78	20.50
		1	49	19.23	19.18	19.17	20.50
		25	0	20.03	19.92	19.77	20.50
		25	13	20.04	20.05	19.72	20.50
		25	25	20.05	20.01	19.74	20.50
	256QAM	50	0	19.19	19.17	19.14	20.50
		1	0	18.51	18.77	18.54	20.00
		1	25	18.68	18.72	18.41	20.00
		1	49	18.68	18.63	18.51	20.00
		25	0	18.61	18.74	18.36	20.00
		25	13	18.75	18.78	18.61	20.00
		25	25	18.76	18.54	18.27	20.00
		50	0	18.82	18.53	18.42	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	19.01	19.05	18.92	20.50
		1	38	18.82	18.96	18.95	20.50
		1	74	19.03	19.17	18.89	20.50
		36	0	18.77	19.13	18.81	20.50
		36	18	19.01	18.66	18.68	20.50
		36	39	18.71	18.97	18.82	20.50
		75	0	18.88	19.38	19.02	20.50
	16QAM	1	0	19.42	18.99	19.16	20.50
		1	38	18.96	19.32	18.89	20.50
		1	74	18.81	19.29	19.08	20.50
		36	0	20.09	20.06	19.79	20.50
		36	18	20.10	19.86	19.87	20.50
		36	39	20.17	19.91	19.89	20.50
		75	0	19.20	19.23	18.72	20.50
	64QAM	1	0	18.76	19.17	18.98	20.50
		1	38	18.98	19.15	18.69	20.50
		1	74	19.21	19.11	19.26	20.50
		36	0	19.96	19.94	19.86	20.50
		36	18	20.08	20.04	19.65	20.50
		36	39	20.14	19.89	19.83	20.50
		75	0	19.26	19.21	19.09	20.50
	256QAM	1	0	18.67	18.72	18.43	20.00
		1	38	18.66	18.67	18.47	20.00
		1	74	18.69	18.54	18.43	20.00
		36	0	18.67	18.67	18.42	20.00
		36	18	18.79	18.79	18.45	20.00
		36	39	18.69	18.71	18.35	20.00
		75	0	18.78	18.50	18.34	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	19.14	19.15	19.05	20.50
		1	50	18.93	19.34	18.96	20.50
		1	99	19.20	19.24	19.12	20.50
		50	0	18.74	19.14	19.01	20.50
		50	25	19.19	19.11	18.72	20.50
		50	50	19.28	19.13	18.77	20.50
		100	0	19.25	19.11	18.73	20.50
	16QAM	1	0	19.15	19.18	18.83	20.50
		1	50	18.91	19.11	18.90	20.50
		1	99	19.07	19.07	19.00	20.50
		50	0	19.22	19.07	18.85	20.50
		50	25	19.23	19.09	18.82	20.50
		50	50	19.30	18.89	18.80	20.50



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com