

Appendix E

Conducted RF Output Power

DSI Description	Test Conditions	Test Antenna Position Number
DSI 1	Receiver on	All WWAN Antennas
DSI 2	Receiver off	All WWAN Antennas
DSI 3	Hotspot	All WWAN Antennas

DSI Description	Test Conditions	Test Antenna Position Number
DSI 0	Receiver on Standalone	All WLAN Antennas
DSI 1	Hotspot Standalone	All WIFI 2.4G/5G Antennas
DSI 2	Receiver off Standalone	All WLAN Antennas
DSI 3	Receiver on Simultaneous transmission	All WLAN Antennas
DSI 4	Hotspot Simultaneous transmission	All WIFI 2.4G/5G Antennas
DSI 5	Receiver off Simultaneous transmission	All WLAN Antennas

1 Conducted Power of Legacy

1.1 Conducted Power of Legacy (Ant0)

GSM 1900 DSI1										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GSM(GMSK)	GSM	27.06	26.90	27.26	28.00	-9.19	17.87	17.71	18.07	18.81
GPRS (GMSK)	1 TX Slot	27.03	26.90	27.19	28.00	-9.19	17.84	17.71	18.00	18.81
	2 TX Slots	24.88	24.83	24.97	26.00	-6.18	18.70	18.65	18.79	19.82
	3 TX Slots	23.78	23.72	23.82	25.00	-4.42	19.36	19.30	19.40	20.58
	4 TX Slots	22.79	22.77	22.81	24.00	-3.17	19.62	19.60	19.64	20.83
EGPRS (GMSK)	1 TX Slot	27.12	26.96	27.29	28.00	-9.19	17.93	17.77	18.10	18.81
	2 TX Slots	24.95	24.88	24.89	26.00	-6.18	18.77	18.70	18.71	19.82
	3 TX Slots	23.83	23.78	23.79	25.00	-4.42	19.41	19.36	19.37	20.58
	4 TX Slots	22.80	22.69	22.71	24.00	-3.17	19.63	19.52	19.54	20.83
EGPRS (8PSK)	1 TX Slot	26.29	26.18	25.83	27.00	-9.19	17.10	16.99	16.64	17.81
	2 TX Slots	25.13	25.24	24.89	26.00	-6.18	18.95	19.06	18.71	19.82
	3 TX Slots	23.41	23.22	23.01	23.80	-4.42	18.99	18.80	18.59	19.38
	4 TX Slots	22.20	22.24	22.12	22.50	-3.17	19.03	19.07	18.95	19.33

GSM 1900 DSI2/3										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GSM(GMSK)	GSM	29.92	29.84	29.83	31.00	-9.19	20.73	20.65	20.64	21.81
GPRS (GMSK)	1 TX Slot	29.95	29.82	29.95	31.00	-9.19	20.76	20.63	20.76	21.81
	2 TX Slots	28.98	29.00	28.97	30.00	-6.18	22.80	22.82	22.79	23.82
	3 TX Slots	26.58	26.62	26.64	27.50	-4.42	22.16	22.20	22.22	23.08
	4 TX Slots	25.34	25.36	25.38	26.50	-3.17	22.17	22.19	22.21	23.33
EGPRS (GMSK)	1 TX Slot	29.85	29.88	29.81	31.00	-9.19	20.66	20.69	20.62	21.81
	2 TX Slots	28.90	29.10	28.88	30.00	-6.18	22.72	22.92	22.70	23.82
	3 TX Slots	26.65	26.52	26.65	27.50	-4.42	22.23	22.10	22.23	23.08
	4 TX Slots	25.32	25.45	25.43	26.50	-3.17	22.15	22.28	22.26	23.33
EGPRS (8PSK)	1 TX Slot	26.21	26.07	25.79	27.00	-9.19	17.02	16.88	16.60	17.81
	2 TX Slots	25.15	25.17	24.84	26.00	-6.18	18.97	18.99	18.66	19.82
	3 TX Slots	23.35	23.26	23.04	24.00	-4.42	18.93	18.84	18.62	19.58
	4 TX Slots	22.11	22.25	22.07	23.00	-3.17	18.94	19.08	18.90	19.83



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WCDMA Band II DSI1					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	19.67	19.83	19.73	20.50
	12.2kbps AMR	19.68	19.78	19.82	20.50
HSDPA	Subtest 1	18.66	18.86	18.79	20.50
	Subtest 2	18.68	18.87	18.80	20.00
	Subtest 3	18.20	18.38	18.33	19.00
	Subtest 4	18.17	18.34	18.29	19.00
HSUPA	Subtest 1	17.15	17.36	17.25	18.00
	Subtest 2	16.66	16.87	16.75	17.50
	Subtest 3	17.67	17.87	17.76	18.50
	Subtest 4	16.17	16.36	16.27	17.00
DC-HSDPA	Subtest 5	17.64	17.85	17.76	18.50
	Subtest 1	18.62	18.87	18.79	20.50
	Subtest 2	18.61	18.89	18.78	20.00
	Subtest 3	18.29	18.36	18.29	19.00
HSPA+	Subtest 4	18.27	18.27	18.29	19.00
	16QAM	17.80	17.77	17.92	18.50

WCDMA Band II DSI2					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.71	22.85	22.78	23.50
	12.2kbps AMR	22.71	22.83	22.77	23.50
HSDPA	Subtest 1	21.68	21.87	21.81	23.50
	Subtest 2	21.69	21.89	21.79	23.00
	Subtest 3	21.22	21.41	21.37	22.00
	Subtest 4	21.16	21.41	21.31	22.00
HSUPA	Subtest 1	19.66	20.35	20.27	21.50
	Subtest 2	19.63	19.85	19.77	20.50
	Subtest 3	20.65	20.86	20.79	21.50
	Subtest 4	19.17	19.35	19.31	20.00
DC-HSDPA	Subtest 5	20.65	20.86	20.77	21.50
	Subtest 1	21.75	21.79	21.71	23.50
	Subtest 2	21.65	21.95	21.85	23.00
	Subtest 3	21.27	21.32	21.28	22.00
HSPA+	Subtest 4	21.07	21.48	21.25	22.00
	16QAM	20.32	20.20	20.28	21.00

WCDMA Band II DSI3					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	21.69	21.84	21.77	22.50
	12.2kbps AMR	21.76	21.94	21.69	22.50
HSDPA	Subtest 1	20.68	20.88	20.78	22.50
	Subtest 2	20.68	20.87	20.78	22.00
	Subtest 3	20.25	20.40	20.30	21.00
	Subtest 4	20.19	20.33	20.28	21.00
HSUPA	Subtest 1	18.66	18.85	18.78	20.00
	Subtest 2	18.66	18.88	18.78	19.50
	Subtest 3	19.68	19.89	19.80	20.50
	Subtest 4	18.19	18.41	18.29	19.00
DC-HSDPA	Subtest 5	19.65	19.86	19.79	20.50
	Subtest 1	20.74	20.85	20.71	22.50
	Subtest 2	20.74	20.83	20.80	22.00
	Subtest 3	20.17	20.30	20.35	21.00
HSPA+	Subtest 4	20.25	20.28	20.34	21.00



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HSPA+	16QAM	19.72	19.75	19.80	20.50
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WCDMA Band IV DS11					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	19.36	19.35	19.33	20.00
	12.2kbps AMR	19.32	19.44	19.38	20.00
HSDPA	Subtest 1	18.37	18.42	18.32	20.00
	Subtest 2	18.33	18.43	18.34	20.00
	Subtest 3	17.88	17.94	17.88	19.00
	Subtest 4	17.84	17.91	17.83	19.00
HSUPA	Subtest 1	16.83	16.88	16.31	18.00
	Subtest 2	16.37	16.40	16.30	17.50
	Subtest 3	17.37	17.40	17.32	18.00
	Subtest 4	15.87	15.91	15.83	17.00
DC-HSDPA	Subtest 5	17.37	17.40	17.31	18.00
	Subtest 1	18.30	18.38	18.27	20.00
	Subtest 2	18.24	18.36	18.34	20.00
	Subtest 3	17.98	18.00	17.91	19.00
HSPA+	Subtest 4	17.81	17.96	17.77	19.00
	16QAM	17.83	17.85	17.82	18.50

WCDMA Band IV DS12					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.41	22.43	22.39	23.00
	12.2kbps AMR	22.43	22.53	22.46	23.00
HSDPA	Subtest 1	21.41	21.46	21.38	23.00
	Subtest 2	21.38	21.47	21.40	23.00
	Subtest 3	20.92	21.02	20.96	21.50
	Subtest 4	20.90	20.97	20.90	21.50
HSUPA	Subtest 1	19.87	19.93	19.84	21.50
	Subtest 2	19.37	19.44	19.36	20.00
	Subtest 3	20.40	20.46	20.38	21.00
	Subtest 4	18.92	18.96	18.86	19.50
DC-HSDPA	Subtest 5	20.40	20.45	20.36	21.50
	Subtest 1	21.37	21.37	21.40	23.00
	Subtest 2	21.44	21.39	21.34	23.00
	Subtest 3	20.93	21.12	20.96	21.50
HSPA+	Subtest 4	20.87	20.89	20.97	21.50
	16QAM	20.34	20.36	20.42	21.00

WCDMA Band IV DS13					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.41	21.43	21.38	22.00
	12.2kbps AMR	21.42	21.51	21.43	22.00
HSDPA	Subtest 1	20.39	20.44	20.35	22.00
	Subtest 2	20.38	20.44	20.36	22.00
	Subtest 3	19.94	20.02	19.85	21.00
	Subtest 4	19.89	19.97	19.86	21.00
HSUPA	Subtest 1	18.88	18.92	18.83	20.00
	Subtest 2	18.38	18.43	18.36	19.50
	Subtest 3	19.39	19.44	19.38	20.00
	Subtest 4	17.89	17.94	17.87	19.00
DC-HSDPA	Subtest 5	19.40	19.43	19.35	20.00
	Subtest 1	20.41	20.51	20.30	22.00
	Subtest 2	20.37	20.34	20.27	22.00
	Subtest 3	20.00	20.02	19.92	21.00



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	Subtest 4	19.90	19.87	19.84	21.00
HSPA+	16QAM	19.86	19.78	19.89	20.50

LTE Band 2 DSI1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	19.01	19.19	19.32	20.00
		1	2	19.18	18.78	18.98	20.00
		1	5	18.97	18.76	19.21	20.00
		3	0	19.05	19.24	19.34	20.00
		3	2	19.39	18.99	19.27	20.00
		3	3	18.86	19.31	19.13	20.00
	16QAM	6	0	19.21	19.01	19.01	20.00
		1	0	19.14	19.16	19.04	20.00
		1	2	19.29	18.99	19.01	20.00
		1	5	19.12	19.07	19.32	20.00
		3	0	18.93	19.04	18.93	20.00
		3	2	19.38	19.32	18.83	20.00
	64QAM	3	3	19.05	19.00	19.19	20.00
		6	0	18.88	18.99	19.25	20.00
		1	0	19.23	19.06	18.96	20.00
		1	2	19.02	19.09	19.02	20.00
		1	5	19.05	18.99	19.44	20.00
		3	0	18.99	19.06	19.03	20.00
	256QAM	3	2	19.00	19.24	19.24	20.00
		3	3	19.15	18.90	19.37	20.00
		6	0	19.13	18.89	19.29	20.00
		1	0	18.43	18.09	17.96	19.00
		1	2	18.23	18.03	18.14	19.00
		1	5	18.15	18.08	18.40	19.00
3MHz	QPSK	3	0	18.14	18.01	18.04	19.00
		3	2	18.28	18.00	18.20	19.00
		3	3	17.99	18.27	18.05	19.00
		6	0	17.91	18.02	17.79	19.00
	16QAM	1	0	19.04	19.13	19.26	20.00
		1	7	19.24	18.86	18.91	20.00
		1	14	19.02	18.84	19.26	20.00
		8	0	19.11	19.16	19.30	20.00
		8	4	19.31	18.97	19.18	20.00
		8	7	18.95	19.23	19.15	20.00
	64QAM	15	0	19.19	19.01	19.00	20.00
		1	0	19.21	19.14	19.07	20.00
		1	7	19.30	19.07	18.91	20.00
		1	14	19.10	19.03	19.39	20.00
		8	0	18.96	18.94	18.91	20.00
		8	4	19.30	19.24	18.89	20.00
	256QAM	8	7	18.99	19.06	19.18	20.00
		15	0	18.85	19.02	19.20	20.00
		1	0	19.22	19.08	18.98	20.00
		1	7	19.01	19.09	19.08	20.00
		1	14	18.97	19.07	19.41	20.00
		8	0	18.90	19.15	19.07	20.00



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		1	14	18.17	17.99	18.39	19.00
		8	0	18.07	18.11	17.95	19.00
		8	4	18.24	18.00	18.14	19.00
		8	7	18.08	18.17	17.99	19.00
		15	0	18.01	18.04	17.86	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	18.96	19.23	19.16	20.00
		1	13	19.21	18.96	18.93	20.00
		1	24	19.09	18.93	19.25	20.00
		12	0	19.04	19.18	19.28	20.00
		12	6	19.24	19.07	19.19	20.00
		12	13	19.05	19.21	19.20	20.00
		25	0	19.25	18.99	19.03	20.00
	16QAM	1	0	19.25	19.24	19.06	20.00
		1	13	19.25	19.02	18.95	20.00
		1	24	19.07	19.07	19.30	20.00
		12	0	18.98	18.94	18.87	20.00
		12	6	19.29	19.15	18.93	20.00
		12	13	19.05	19.03	19.10	20.00
		25	0	18.85	19.06	19.13	20.00
	64QAM	1	0	19.21	19.00	19.06	20.00
		1	13	19.08	19.03	19.01	20.00
		1	24	19.01	19.06	19.46	20.00
		12	0	18.99	19.06	18.97	20.00
		12	6	19.08	19.05	19.15	20.00
		12	13	19.15	19.00	19.44	20.00
		25	0	19.11	18.82	19.20	20.00
	256QAM	1	0	18.32	18.12	18.10	19.00
		1	13	18.21	17.93	18.17	19.00
		1	24	18.25	18.04	18.32	19.00
		12	0	18.06	18.06	17.97	19.00
		12	6	18.17	18.02	18.09	19.00
		12	13	18.16	18.14	17.91	19.00
		25	0	18.10	17.99	17.82	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	19.06	19.21	19.13	20.00
		1	25	19.12	18.94	18.99	20.00
		1	49	19.12	19.01	19.21	20.00
		25	0	19.10	19.21	19.24	20.00
		25	13	19.27	19.02	19.18	20.00
		25	25	19.10	19.14	19.25	20.00
		50	0	19.19	19.03	19.06	20.00
	16QAM	1	0	19.34	19.34	19.04	20.00
		1	25	19.27	19.12	19.03	20.00
		1	49	19.05	19.08	19.20	20.00
		25	0	18.98	18.94	18.97	20.00
		25	13	19.24	19.11	19.03	20.00
		25	25	18.99	18.95	19.01	20.00
		50	0	18.87	19.11	19.05	20.00
	64QAM	1	0	19.20	18.97	19.16	20.00
		1	25	19.03	19.11	19.05	20.00
		1	49	19.05	19.07	19.37	20.00
		25	0	18.94	18.97	19.00	20.00
		25	13	19.10	19.07	19.16	20.00
		25	25	19.15	19.04	19.34	20.00
		50	0	19.10	18.89	19.12	20.00
	256QAM	1	0	18.41	18.03	18.05	19.00
		1	25	18.27	18.00	18.15	19.00
		1	49	18.23	18.11	18.24	19.00



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		25	0	18.10	18.11	18.01	19.00
		25	13	18.22	18.01	18.14	19.00
		25	25	18.21	18.06	17.94	19.00
		50	0	18.08	18.04	17.92	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	19.16	19.17	19.06	20.00
		1	38	19.09	18.93	19.04	20.00
		1	74	19.15	19.01	19.16	20.00
		36	0	19.17	19.12	19.17	20.00
		36	18	19.25	19.05	19.19	20.00
		36	39	19.17	19.08	19.24	20.00
		75	0	19.11	18.99	19.16	20.00
	16QAM	1	0	19.30	19.38	19.13	20.00
		1	38	19.18	19.21	19.10	20.00
		1	74	19.13	19.04	19.30	20.00
		36	0	19.03	19.04	18.98	20.00
		36	18	19.21	19.03	19.11	20.00
		36	39	19.07	19.02	19.07	20.00
		75	0	18.96	19.14	19.00	20.00
	64QAM	1	0	19.10	19.05	19.19	20.00
		1	38	19.10	19.10	19.13	20.00
		1	74	19.08	18.99	19.33	20.00
		36	0	19.02	19.01	19.01	20.00
		36	18	19.05	19.07	19.08	20.00
		36	39	19.14	19.09	19.25	20.00
		75	0	19.07	18.98	19.03	20.00
	256QAM	1	0	18.33	18.13	18.14	19.00
		1	38	18.19	18.05	18.23	19.00
		1	74	18.19	18.11	18.27	19.00
		36	0	18.06	18.02	18.10	19.00
		36	18	18.12	17.93	18.06	19.00
		36	39	18.12	18.14	18.00	19.00
		75	0	18.05	18.04	17.98	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	19.13	19.07	19.03	20.00
		1	50	19.02	19.01	19.04	20.00
		1	99	19.14	19.06	19.24	20.00
		50	0	19.13	19.07	19.11	20.00
		50	25	19.15	19.01	19.10	20.00
		50	50	19.08	19.08	19.15	20.00
		100	0	19.08	19.08	19.11	20.00
	16QAM	1	0	19.25	19.34	19.17	20.00
		1	50	19.19	19.24	19.04	20.00
		1	99	19.17	18.95	19.25	20.00
		50	0	19.08	19.05	19.05	20.00
		50	25	19.11	19.02	19.02	20.00
		50	50	19.06	19.07	19.08	20.00
		100	0	19.05	19.06	19.06	20.00
	64QAM	1	0	19.20	19.08	19.15	20.00
		1	50	19.13	19.17	19.11	20.00
		1	99	19.17	19.04	19.26	20.00
		50	0	19.04	19.09	19.07	20.00
		50	25	19.06	19.01	19.06	20.00
		50	50	19.04	19.09	19.15	20.00
		100	0	19.04	19.08	19.10	20.00
	256QAM	1	0	18.27	18.07	18.11	19.00
		1	50	18.15	18.08	18.13	19.00
		1	99	18.23	18.03	18.25	19.00
		50	0	18.05	18.01	18.06	19.00



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		50	25	18.09	18.00	18.10	19.00
		50	50	18.06	18.05	18.04	19.00
		100	0	18.03	18.09	18.05	19.00

LTE Band 2 DSI2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
1.4MHz	QPSK	1	0	18607	18900	19193	23.00
		1	2	22.02	21.95	21.95	23.00
		1	5	22.14	22.10	22.01	23.00
		3	0	22.26	22.05	22.32	23.00
		3	2	22.28	22.05	22.30	23.00
		3	3	22.31	22.10	22.07	23.00
	16QAM	3	0	22.29	22.31	22.16	23.00
		6	0	22.12	22.19	22.22	23.00
		1	0	22.20	22.28	22.15	23.00
		1	2	22.29	22.15	21.83	23.00
		1	5	22.28	21.99	22.05	23.00
		3	0	22.03	22.08	21.92	23.00
	64QAM	3	2	22.32	21.90	22.05	23.00
		3	3	21.78	21.96	21.96	23.00
		6	0	21.24	21.24	20.96	22.00
		1	0	20.89	21.23	21.32	22.00
		1	2	21.17	20.99	21.26	22.00
		1	5	21.33	21.41	21.36	22.00
	256QAM	3	0	21.05	20.92	20.90	22.00
		3	2	21.19	21.32	20.84	22.00
		3	3	21.04	21.10	21.26	22.00
		6	0	19.77	19.92	20.15	21.00
		1	0	18.19	17.92	17.96	19.00
		1	2	17.93	17.99	18.25	19.00
3MHz	QPSK	1	5	18.24	18.00	18.25	19.00
		3	0	17.98	17.90	18.12	19.00
		3	2	17.99	18.03	17.82	19.00
		3	3	18.10	18.07	17.92	19.00
		6	0	17.96	17.98	17.95	19.00
		1	0	22.04	21.87	21.99	23.00
	16QAM	1	7	22.08	22.11	22.06	23.00
		1	14	22.22	22.01	22.34	23.00
		8	0	22.27	22.05	22.22	23.00
		8	4	22.27	22.04	22.13	23.00
		8	7	22.31	22.24	22.22	23.00
		15	0	22.09	22.19	22.15	23.00
	64QAM	1	0	22.29	22.30	22.12	23.00
		1	7	22.30	22.23	21.80	23.00
		1	14	22.32	22.08	22.00	23.00
		8	0	21.01	21.15	20.96	22.00
		8	4	21.31	20.92	21.11	22.00
		8	7	20.87	21.03	20.90	22.00
	256QAM	15	0	21.16	21.15	20.95	22.00
		1	0	20.95	21.26	21.22	22.00
		1	7	21.13	20.91	21.19	22.00
		1	14	21.28	21.33	21.42	22.00
		8	0	19.97	19.99	19.95	21.00
		8	4	20.21	20.23	19.85	21.00
		8	7	20.01	20.16	20.32	21.00
		15	0	19.87	19.95	20.16	21.00
		1	0	18.17	17.87	18.03	19.00



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		1	7	18.03	18.07	18.15	19.00
		1	14	18.15	17.90	18.22	19.00
		8	0	18.07	17.98	18.15	19.00
		8	4	18.03	18.00	17.74	19.00
		8	7	18.10	18.14	17.96	19.00
		15	0	18.04	17.96	17.85	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	22.09	21.91	22.02	23.00
		1	13	22.11	22.18	22.08	23.00
		1	24	22.22	22.07	22.35	23.00
		12	0	22.25	21.99	22.21	23.00
		12	6	22.26	22.07	22.21	23.00
		12	13	22.27	22.26	22.25	23.00
	16QAM	25	0	22.16	22.13	22.23	23.00
		1	0	22.37	22.37	22.16	23.00
		1	13	22.21	22.23	21.84	23.00
		1	24	22.25	22.09	21.94	23.00
		12	0	21.00	21.05	21.01	22.00
		12	6	21.23	20.90	21.04	22.00
	64QAM	12	13	20.85	20.98	20.99	22.00
		25	0	21.22	21.20	20.99	22.00
		1	0	20.96	21.19	21.13	22.00
		1	13	21.09	20.89	21.15	22.00
		1	24	21.20	21.34	21.35	22.00
		12	0	19.99	20.08	19.94	21.00
	256QAM	12	6	20.15	20.30	19.94	21.00
		12	13	20.09	20.14	20.23	21.00
		25	0	19.91	19.92	20.11	21.00
		1	0	18.26	17.95	18.12	19.00
		1	13	18.13	18.01	18.11	19.00
		1	24	18.20	17.92	18.21	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	22.11	21.96	22.06	23.00
		1	25	22.02	22.08	22.09	23.00
		1	49	22.15	21.99	22.40	23.00
		25	0	22.26	22.03	22.12	23.00
		25	13	22.32	22.09	22.23	23.00
		25	25	22.20	22.17	22.20	23.00
	16QAM	50	0	22.14	22.05	22.30	23.00
		1	0	22.40	22.36	22.11	23.00
		1	25	22.19	22.25	21.92	23.00
		1	49	22.22	22.03	22.02	23.00
		25	0	21.02	21.15	21.04	22.00
		25	13	21.17	21.00	20.98	22.00
	64QAM	25	25	20.91	21.04	20.91	22.00
		50	0	21.17	21.12	20.99	22.00
		1	0	21.06	21.12	21.12	22.00
		1	25	21.01	20.97	21.13	22.00
		1	49	21.27	21.27	21.27	22.00
		25	0	19.95	20.16	20.04	21.00
	256QAM	25	13	20.09	20.21	20.00	21.00
		25	25	20.17	20.15	20.21	21.00
		50	0	19.94	19.99	20.09	21.00
		1	0	18.27	18.00	18.08	19.00
		1	25	18.15	17.93	18.06	19.00



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		1	49	18.12	17.90	18.17	19.00
		25	0	18.00	17.98	18.09	19.00
		25	13	17.91	17.93	17.94	19.00
		25	25	18.08	18.09	18.15	19.00
		50	0	17.98	17.98	17.94	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	22.01	21.92	22.05	23.00
		1	38	22.06	22.08	22.11	23.00
		1	74	22.06	21.96	22.32	23.00
		36	0	22.20	22.03	22.18	23.00
		36	18	22.23	22.09	22.16	23.00
		36	39	22.15	22.16	22.24	23.00
	16QAM	75	0	22.07	22.03	22.20	23.00
		1	0	22.31	22.26	22.12	23.00
		1	38	22.15	22.24	21.94	23.00
		1	74	22.14	22.09	22.06	23.00
		36	0	21.08	21.15	21.03	22.00
		36	18	21.11	21.00	20.89	22.00
	64QAM	36	39	20.92	21.05	20.92	22.00
		75	0	21.10	21.07	21.08	22.00
		1	0	21.10	21.12	21.02	22.00
		1	38	20.99	20.98	21.06	22.00
		1	74	21.17	21.33	21.29	22.00
		36	0	20.00	20.06	19.97	21.00
	256QAM	36	18	20.15	20.12	20.00	21.00
		36	39	20.07	20.12	20.12	21.00
		75	0	19.98	20.00	20.07	21.00
		1	0	18.27	18.09	18.06	19.00
		1	38	18.11	18.00	17.99	19.00
		1	74	18.05	17.95	18.27	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	22.09	22.01	22.01	23.00
		1	50	22.04	22.02	22.03	23.00
		1	99	22.08	22.00	22.26	23.00
		50	0	22.10	22.07	22.08	23.00
		50	25	22.13	22.03	22.11	23.00
		50	50	22.06	22.06	22.15	23.00
	16QAM	100	0	22.07	22.07	22.16	23.00
		1	0	22.23	22.26	22.06	23.00
		1	50	22.20	22.27	21.87	23.00
		1	99	22.20	22.16	21.97	23.00
		50	0	21.00	21.08	21.00	22.00
		50	25	21.02	21.02	20.99	22.00
	64QAM	50	50	20.99	21.06	20.99	22.00
		100	0	21.00	21.06	21.03	22.00
		1	0	21.15	21.09	21.11	22.00
		1	50	21.09	21.02	21.10	22.00
		1	99	21.13	21.26	21.19	22.00
		50	0	20.05	20.08	20.05	21.00
	256QAM	50	25	20.05	20.02	20.06	21.00
		50	50	20.07	20.08	20.09	21.00
		100	0	20.08	20.05	20.06	21.00
		1	0	18.20	18.14	18.15	19.00
		1	50	18.19	17.99	18.05	19.00
		1	99	18.07	18.05	18.24	19.00



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		50	0	18.06	18.00	18.05	19.00
		50	25	18.07	18.00	18.10	19.00
		50	50	18.05	18.05	18.11	19.00
		100	0	18.03	18.05	18.08	19.00

LTE Band 2 DSI3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	21.04	20.97	21.02	22.00
		1	2	21.19	21.03	20.89	22.00
		1	5	21.10	21.08	21.36	22.00
		3	0	21.20	21.01	21.02	22.00
		3	2	21.16	21.10	20.93	22.00
		3	3	21.08	21.02	20.94	22.00
	16QAM	6	0	20.96	20.93	21.20	22.00
		1	0	21.38	20.85	20.87	22.00
		1	2	21.21	21.28	21.11	22.00
		1	5	21.22	20.99	21.18	22.00
		3	0	20.90	21.18	21.12	22.00
		3	2	20.85	20.78	21.27	22.00
	64QAM	3	3	21.02	21.24	20.85	22.00
		6	0	20.87	21.20	21.04	22.00
		1	0	21.01	21.08	20.92	22.00
		1	2	21.02	20.99	20.97	22.00
		1	5	21.23	21.43	21.63	22.00
		3	0	21.25	21.15	21.08	22.00
3MHz	QPSK	3	2	21.17	21.07	20.87	22.00
		3	3	21.23	21.04	21.38	22.00
		6	0	20.12	20.12	20.13	21.00
	16QAM	1	0	18.23	18.26	18.31	19.00
		1	2	18.27	18.10	17.78	19.00
		1	5	18.43	17.85	18.39	19.00
	64QAM	3	0	18.01	18.20	18.19	19.00
		3	2	18.26	18.07	17.75	19.00
		3	3	18.28	17.92	18.18	19.00
		6	0	17.75	17.93	17.75	19.00
	QPSK	1	0	21.10	21.01	21.02	22.00
		1	7	21.09	20.99	20.79	22.00
		1	14	21.09	21.06	21.28	22.00
		8	0	21.14	20.93	21.02	22.00
		8	4	21.25	21.11	20.87	22.00
		8	7	21.16	21.04	20.96	22.00
	16QAM	15	0	20.86	20.99	21.14	22.00
		1	0	21.35	20.91	20.91	22.00
		1	7	21.20	21.27	21.13	22.00
		1	14	21.31	21.00	21.14	22.00
		8	0	20.98	21.08	21.03	22.00
		8	4	20.78	20.79	21.18	22.00
	64QAM	8	7	21.06	21.24	20.95	22.00
		15	0	20.93	21.16	21.02	22.00
		1	0	21.07	21.03	20.99	22.00
		1	7	20.98	21.01	21.06	22.00
		1	14	21.19	21.42	21.61	22.00
		8	0	20.33	20.20	20.08	21.00
	64QAM	8	4	20.07	20.08	19.96	21.00
		8	7	20.14	20.12	20.39	21.00
		15	0	20.10	20.08	20.05	21.00



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		1	0	18.24	18.16	18.39	19.00
		1	7	18.17	18.14	17.81	19.00
		1	14	18.45	17.93	18.30	19.00
		8	0	17.97	18.16	18.09	19.00
		8	4	18.16	18.05	17.80	19.00
		8	7	18.23	17.82	18.10	19.00
		15	0	17.74	18.02	17.81	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	21.11	21.08	21.06	22.00
		1	13	21.08	20.92	20.88	22.00
		1	24	21.00	21.12	21.18	22.00
		12	0	21.23	20.94	20.99	22.00
		12	6	21.27	21.06	20.97	22.00
		12	13	21.14	21.13	21.03	22.00
	16QAM	25	0	20.93	21.09	21.17	22.00
		1	0	21.28	20.94	20.95	22.00
		1	13	21.19	21.28	21.17	22.00
		1	24	21.40	20.95	21.07	22.00
		12	0	20.99	21.11	21.07	22.00
		12	6	20.78	20.87	21.17	22.00
	64QAM	12	13	21.05	21.26	21.00	22.00
		25	0	20.92	21.12	20.92	22.00
		1	0	21.05	21.07	20.96	22.00
		1	13	21.06	20.98	21.02	22.00
		1	24	21.16	21.35	21.51	22.00
		12	0	20.23	20.20	20.12	21.00
10MHz	QPSK	12	6	20.13	20.09	20.00	21.00
		12	13	20.13	20.21	20.29	21.00
		25	0	20.13	20.09	20.07	21.00
	16QAM	1	0	18.19	18.06	18.30	19.00
		1	13	18.11	18.21	17.85	19.00
		1	24	18.40	17.90	18.37	19.00
	256QAM	12	0	18.05	18.11	18.19	19.00
		12	6	18.07	18.01	17.80	19.00
		12	13	18.18	17.83	18.18	19.00
		25	0	17.84	18.05	17.86	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	21.13	21.08	21.13	22.00
		1	25	21.06	21.02	20.90	22.00
		1	49	21.00	21.02	21.24	22.00
		25	0	21.18	20.91	21.05	22.00
		25	13	21.25	21.09	21.07	22.00
		25	25	21.11	21.03	21.09	22.00
	16QAM	50	0	21.03	21.16	21.10	22.00
		1	0	21.26	21.02	21.03	22.00
		1	25	21.18	21.23	21.10	22.00
		1	49	21.37	20.97	21.08	22.00
		25	0	20.97	21.12	21.11	22.00
		25	13	20.87	20.95	21.07	22.00
	64QAM	25	25	21.07	21.17	21.08	22.00
		50	0	20.94	21.02	20.97	22.00
		1	0	21.15	21.06	21.02	22.00
		1	25	21.10	21.05	21.08	22.00
		1	49	21.17	21.30	21.45	22.00
		25	0	20.13	20.17	20.21	21.00
10MHz	256QAM	25	13	20.22	20.15	20.00	21.00
		25	25	20.07	20.12	20.22	21.00
		50	0	20.19	20.15	20.07	21.00
		1	0	18.15	18.12	18.29	19.00



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		1	25	18.03	18.24	17.89	19.00
		1	49	18.35	17.96	18.37	19.00
		25	0	18.03	18.01	18.20	19.00
		25	13	18.09	18.09	17.88	19.00
		25	25	18.23	17.91	18.12	19.00
		50	0	17.94	17.96	17.94	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	21.14	20.98	21.10	22.00
		1	38	21.13	20.96	20.90	22.00
		1	74	21.09	21.09	21.14	22.00
		36	0	21.08	20.96	21.11	22.00
		36	18	21.18	21.07	21.02	22.00
		36	39	21.07	21.00	21.05	22.00
		75	0	21.08	21.17	21.19	22.00
	16QAM	1	0	21.16	21.03	21.09	22.00
		1	38	21.10	21.28	21.04	22.00
		1	74	21.36	20.90	21.18	22.00
		36	0	21.01	21.08	21.14	22.00
		36	18	20.97	21.05	20.98	22.00
		36	39	21.00	21.13	21.00	22.00
		75	0	20.97	21.07	20.96	22.00
	64QAM	1	0	21.13	21.13	21.01	22.00
		1	38	21.20	21.15	21.06	22.00
		1	74	21.17	21.34	21.35	22.00
		36	0	20.14	20.08	20.13	21.00
		36	18	20.15	20.06	20.06	21.00
		36	39	20.10	20.12	20.16	21.00
		75	0	20.12	20.12	20.00	21.00
	256QAM	1	0	18.15	18.10	18.23	19.00
		1	38	18.10	18.24	17.96	19.00
		1	74	18.25	17.86	18.35	19.00
		36	0	18.13	18.03	18.10	19.00
		36	18	18.02	18.02	17.94	19.00
		36	39	18.13	17.93	18.02	19.00
		75	0	17.96	18.05	17.93	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	21.11	21.08	21.05	22.00
		1	50	21.03	21.01	20.99	22.00
		1	99	21.14	21.03	21.21	22.00
		50	0	21.09	21.06	21.09	22.00
		50	25	21.12	21.03	21.09	22.00
		50	50	21.08	21.07	21.13	22.00
		100	0	21.10	21.08	21.11	22.00
	16QAM	1	0	21.20	21.13	21.13	22.00
		1	50	21.09	21.27	21.11	22.00
		1	99	21.26	20.94	21.19	22.00
		50	0	21.05	21.09	21.04	22.00
		50	25	21.05	21.05	21.08	22.00
		50	50	21.01	21.07	21.02	22.00
		100	0	21.02	21.07	21.04	22.00
	64QAM	1	0	21.08	21.18	21.10	22.00
		1	50	21.14	21.22	21.04	22.00
		1	99	21.16	21.24	21.28	22.00
		50	0	20.07	20.08	20.09	21.00
		50	25	20.09	20.02	20.10	21.00
		50	50	20.05	20.04	20.12	21.00
		100	0	20.05	20.06	20.08	21.00
	256QAM	1	0	18.15	18.19	18.14	19.00
		1	50	18.12	18.15	18.02	19.00



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		1	99	18.19	17.94	18.25	19.00
		50	0	18.05	18.05	18.02	19.00
		50	25	18.04	18.02	17.99	19.00
		50	50	18.03	18.02	18.05	19.00
		100	0	18.04	18.07	18.00	19.00

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	19.16	19.22	19.16	20.00
		1	2	19.10	19.05	19.05	20.00
		1	5	19.06	19.02	19.03	20.00
		3	0	19.17	19.11	19.16	20.00
		3	2	19.07	19.10	19.02	20.00
		3	3	19.31	19.32	19.41	20.00
	16QAM	6	0	19.03	19.09	19.18	20.00
		1	0	18.87	18.96	18.95	20.00
		1	2	18.93	18.97	18.91	20.00
		1	5	19.24	19.27	19.34	20.00
		3	0	18.92	19.01	19.07	20.00
		3	2	19.24	19.21	19.18	20.00
	64QAM	3	3	19.16	19.14	19.20	20.00
		6	0	18.98	19.08	19.14	20.00
		1	0	18.94	19.00	19.01	20.00
		1	2	19.02	19.06	19.08	20.00
		1	5	19.14	19.20	19.19	20.00
		3	0	19.01	19.00	18.94	20.00
3MHz	256QAM	3	2	19.10	19.02	18.97	20.00
		3	3	19.22	19.23	19.17	20.00
		6	0	19.13	19.10	19.11	20.00
	QPSK	1	0	17.92	17.90	17.84	19.00
		1	2	18.08	18.07	18.05	19.00
		1	5	17.94	18.01	17.93	19.00
	16QAM	3	0	18.01	17.99	17.96	19.00
		3	2	18.26	18.27	18.28	19.00
		3	3	17.95	17.89	17.99	19.00
	64QAM	6	0	18.00	18.06	18.00	19.00
		1	0	19.26	19.23	19.31	20.00
		1	7	19.10	19.08	19.13	20.00
		1	14	18.99	19.09	19.02	20.00
		8	0	19.11	19.12	19.22	20.00
		8	4	19.08	19.15	19.09	20.00
	QPSK	8	7	19.23	19.26	19.35	20.00
		15	0	19.08	19.03	19.01	20.00
	16QAM	1	0	18.96	18.98	18.97	20.00
		1	7	18.98	18.89	18.82	20.00
		1	14	19.29	19.19	19.15	20.00
		8	0	19.07	19.02	19.03	20.00
	64QAM	8	4	19.20	19.11	19.08	20.00
		8	7	19.11	19.20	19.24	20.00
		15	0	19.05	19.02	18.98	20.00
		1	0	19.00	19.05	19.15	20.00
		1	7	19.13	19.07	18.97	20.00
		1	14	19.24	19.29	19.29	20.00
		8	0	19.06	19.08	18.99	20.00
		8	4	18.95	18.92	18.86	20.00
		8	7	19.05	19.14	19.05	20.00



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		15	0	18.94	19.04	18.94	20.00
	256QAM	1	0	17.95	18.00	18.04	19.00
		1	7	18.15	18.08	18.07	19.00
		1	14	18.08	18.08	18.14	19.00
		8	0	18.13	18.07	18.01	19.00
		8	4	18.27	18.24	18.34	19.00
		8	7	17.92	17.97	18.03	19.00
		15	0	18.02	18.10	18.00	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	19.04	19.14	19.09	20.00
		1	13	19.12	19.07	19.08	20.00
		1	24	19.01	19.10	19.09	20.00
		12	0	19.15	19.07	19.17	20.00
		12	6	19.12	19.06	19.07	20.00
		12	13	19.14	19.20	19.30	20.00
		25	0	19.10	19.08	19.11	20.00
	16QAM	1	0	18.94	18.95	18.98	20.00
		1	13	18.90	18.94	18.97	20.00
		1	24	19.25	19.29	19.39	20.00
		12	0	19.09	19.04	18.94	20.00
		12	6	19.02	19.03	19.06	20.00
		12	13	19.19	19.22	19.16	20.00
		25	0	19.12	19.08	19.00	20.00
	64QAM	1	0	18.97	19.04	18.99	20.00
		1	13	18.93	18.97	18.97	20.00
		1	24	19.20	19.22	19.18	20.00
		12	0	19.03	18.98	18.98	20.00
		12	6	19.00	18.97	19.04	20.00
		12	13	19.20	19.15	19.16	20.00
		25	0	19.22	19.12	19.03	20.00
	256QAM	1	0	17.90	17.95	18.03	19.00
		1	13	18.10	18.09	18.08	19.00
		1	24	17.98	18.00	17.92	19.00
		12	0	18.07	17.99	17.98	19.00
		12	6	18.39	18.30	18.21	19.00
		12	13	17.99	17.99	17.90	19.00
		25	0	18.04	18.12	18.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	19.14	19.16	19.07	20.00
		1	25	19.10	19.14	19.08	20.00
		1	49	19.10	19.10	19.03	20.00
		25	0	19.02	19.00	19.08	20.00
		25	13	18.98	18.98	18.97	20.00
		25	25	19.09	19.15	19.20	20.00
		50	0	19.06	19.09	19.12	20.00
	16QAM	1	0	19.13	19.05	19.09	20.00
		1	25	18.84	18.91	19.00	20.00
		1	49	19.23	19.19	19.18	20.00
		25	0	19.06	19.13	19.14	20.00
		25	13	19.01	19.03	19.09	20.00
		25	25	19.10	19.14	19.14	20.00
		50	0	19.09	19.04	19.03	20.00
	64QAM	1	0	19.03	18.98	18.88	20.00
		1	25	18.81	18.90	19.00	20.00
		1	49	19.16	19.12	19.06	20.00
		25	0	19.14	19.05	19.05	20.00
		25	13	19.04	18.97	18.90	20.00
		25	25	19.03	19.07	19.14	20.00
		50	0	19.06	19.06	19.13	20.00



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		1	0	18.07	18.02	18.08	19.00
		1	25	18.08	18.16	18.10	19.00
		1	49	17.95	18.03	18.11	19.00
		25	0	18.02	17.92	17.83	19.00
		25	13	18.14	18.20	18.18	19.00
		25	25	17.98	18.05	18.15	19.00
		50	0	18.12	18.21	18.22	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	19.08	19.11	19.11	20.00
		1	38	19.23	19.13	19.12	20.00
		1	74	19.08	19.16	19.16	20.00
		36	0	18.89	18.94	18.84	20.00
		36	18	19.01	19.00	19.03	20.00
		36	39	19.16	19.19	19.22	20.00
		75	0	18.98	18.99	18.97	20.00
	16QAM	1	0	19.19	19.09	19.19	20.00
		1	38	18.98	18.95	19.02	20.00
		1	74	19.19	19.22	19.17	20.00
		36	0	19.04	19.04	19.12	20.00
		36	18	19.17	19.09	19.19	20.00
		36	39	19.10	19.09	19.04	20.00
		75	0	18.99	19.05	19.09	20.00
	64QAM	1	0	18.94	19.03	18.94	20.00
		1	38	18.93	18.94	18.97	20.00
		1	74	19.26	19.17	19.20	20.00
		36	0	19.07	19.01	19.04	20.00
		36	18	18.99	18.98	18.93	20.00
		36	39	19.15	19.14	19.09	20.00
		75	0	19.10	19.11	19.15	20.00
	256QAM	1	0	18.08	18.11	18.19	19.00
		1	38	18.11	18.08	18.02	19.00
		1	74	17.91	17.96	18.05	19.00
		36	0	18.00	17.99	18.06	19.00
		36	18	18.13	18.10	18.02	19.00
		36	39	17.94	18.04	17.98	19.00
		75	0	18.21	18.13	18.11	19.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 20175	Channel /	Tune up
20MHz	QPSK	1	0	/	19.01	/	20.00
		1	50	/	19.04	/	20.00
		1	99	/	19.14	/	20.00
		50	0	/	19.02	/	20.00
		50	25	/	19.09	/	20.00
		50	50	/	19.11	/	20.00
		100	0	/	19.08	/	20.00
	16QAM	1	0	/	19.08	/	20.00
		1	50	/	19.05	/	20.00
		1	99	/	19.23	/	20.00
		50	0	/	19.00	/	20.00
		50	25	/	19.05	/	20.00
		50	50	/	19.08	/	20.00
		100	0	/	19.03	/	20.00
	64QAM	1	0	/	18.95	/	20.00
		1	50	/	19.04	/	20.00
		1	99	/	19.19	/	20.00
		50	0	/	19.03	/	20.00
		50	25	/	19.06	/	20.00
		50	50	/	19.09	/	20.00
		100	0	/	19.06	/	20.00
	256QAM	1	0	/	18.08	/	19.00



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		1	50	/	18.11	/	19.00
		1	99	/	18.04	/	19.00
		50	0	/	18.02	/	19.00
		50	25	/	18.07	/	19.00
		50	50	/	18.08	/	19.00
		100	0	/	18.05	/	19.00

LTE Band 4 DSI2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	22.01	21.96	22.06	23.00
		1	2	22.11	22.01	21.98	23.00
		1	5	22.02	22.00	22.08	23.00
		3	0	21.90	21.99	21.98	23.00
		3	2	22.05	22.05	22.15	23.00
		3	3	22.05	22.11	22.09	23.00
	16QAM	6	0	22.18	22.11	22.08	23.00
		1	0	21.85	21.85	21.83	23.00
		1	2	21.90	21.95	21.92	23.00
		1	5	21.96	21.98	22.04	23.00
		3	0	21.80	21.83	21.76	23.00
		3	2	22.09	22.03	22.10	23.00
	64QAM	3	3	21.97	22.02	21.92	23.00
		6	0	21.25	21.16	21.07	22.00
		1	0	20.79	20.86	20.90	22.00
		1	2	20.87	20.78	20.88	22.00
		1	5	21.19	21.25	21.30	22.00
		3	0	21.10	21.07	21.17	22.00
3MHz	QPSK	3	2	21.07	21.02	21.10	22.00
		3	3	21.13	21.10	21.07	22.00
		6	0	19.91	20.00	20.08	21.00
	16QAM	1	0	18.03	18.00	18.01	19.00
		1	2	18.17	18.14	18.06	19.00
		1	5	18.39	18.35	18.28	19.00
	64QAM	3	0	17.78	17.74	17.71	19.00
		3	2	18.14	18.04	18.10	19.00
		3	3	18.09	18.13	18.16	19.00
		6	0	17.96	17.91	17.92	19.00
	QPSK	1	0	21.95	21.97	21.89	23.00
		1	7	21.96	22.04	21.98	23.00
		1	14	22.07	22.04	21.98	23.00
		8	0	22.05	22.04	22.10	23.00
		8	4	22.03	22.05	22.04	23.00
		8	7	21.99	22.09	22.01	23.00
	16QAM	15	0	21.96	22.04	22.05	23.00
		1	0	21.87	21.89	21.95	23.00
		1	7	21.81	21.88	21.83	23.00
		1	14	22.13	22.08	22.12	23.00
		8	0	20.93	20.90	20.93	22.00
		8	4	21.04	21.09	21.00	22.00
	64QAM	8	7	21.04	21.06	21.09	22.00
		15	0	21.36	21.26	21.24	22.00
		1	0	21.03	20.94	20.99	22.00
		1	7	20.76	20.85	20.78	22.00
		1	14	21.34	21.27	21.29	22.00
		8	0	20.19	20.11	20.12	21.00
		8	4	20.01	20.07	20.10	21.00



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		8	7	20.10	20.20	20.26	21.00
		15	0	20.05	19.95	19.99	21.00
	256QAM	1	0	17.84	17.93	18.00	19.00
		1	7	17.96	18.06	18.14	19.00
		1	14	18.35	18.41	18.50	19.00
		8	0	17.78	17.82	17.74	19.00
		8	4	18.14	18.11	18.21	19.00
		8	7	18.01	18.06	18.13	19.00
		15	0	17.91	17.92	17.95	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	22.02	22.04	22.04	23.00
		1	13	22.11	22.01	22.00	23.00
		1	24	22.12	22.04	21.94	23.00
		12	0	22.01	21.96	21.87	23.00
		12	6	22.16	22.15	22.16	23.00
		12	13	22.16	22.09	22.04	23.00
		25	0	21.99	21.99	22.06	23.00
	16QAM	1	0	21.73	21.81	21.91	23.00
		1	13	21.80	21.82	21.84	23.00
		1	24	22.04	21.99	21.95	23.00
		12	0	21.02	20.99	20.98	22.00
		12	6	21.14	21.11	21.05	22.00
		12	13	21.13	21.10	21.20	22.00
		25	0	21.28	21.28	21.18	22.00
	64QAM	1	0	20.96	21.01	21.11	22.00
		1	13	20.83	20.86	20.89	22.00
		1	24	21.22	21.20	21.17	22.00
		12	0	20.00	20.10	20.06	21.00
		12	6	20.13	20.06	19.99	21.00
		12	13	20.23	20.22	20.14	21.00
		25	0	20.13	20.05	20.01	21.00
	256QAM	1	0	18.13	18.03	18.03	19.00
		1	13	18.11	18.12	18.21	19.00
		1	24	18.31	18.37	18.44	19.00
		12	0	17.83	17.81	17.80	19.00
		12	6	18.20	18.10	18.03	19.00
		12	13	18.04	18.12	18.20	19.00
		25	0	17.92	17.97	18.03	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	22.07	22.07	22.09	23.00
		1	25	21.99	22.05	22.01	23.00
		1	49	22.10	22.05	22.15	23.00
		25	0	21.91	21.91	21.99	23.00
		25	13	22.03	22.09	22.02	23.00
		25	25	22.01	22.07	22.15	23.00
		50	0	22.14	22.07	22.01	23.00
	16QAM	1	0	21.85	21.86	21.87	23.00
		1	25	21.94	21.89	21.79	23.00
		1	49	22.13	22.08	22.14	23.00
		25	0	21.11	21.03	21.03	22.00
		25	13	21.01	21.02	21.03	22.00
		25	25	21.16	21.20	21.24	22.00
		50	0	21.19	21.20	21.30	22.00
	64QAM	1	0	20.84	20.94	21.00	22.00
		1	25	21.03	20.94	21.03	22.00
		1	49	21.25	21.18	21.20	22.00
		25	0	20.09	20.05	20.04	21.00
		25	13	20.18	20.13	20.13	21.00
		25	25	20.19	20.24	20.23	21.00



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