

Appendix E

Conducted RF Output Power

DSI Description	Test Conditions	Test Scenario Explanation	Test Antenna Position Number
DSI1	Receiver on	Head	All WWAN Antennas
DSI3	Receiver off	Body Worn/&Extremity	Antennas not covered by SENSOR: Ant0/1/3/4/5/7/9
	Sensor on	Body Worn/&Extremity Sensor on	Antennas covered by SENSOR: Ant2/6/8
DSI4	Receiver off	Body Worn/&Extremity	Antennas not covered by SENSOR: Ant0/1/3/4/5/7/9
	Sensor off	Body Worn/&Extremity Sensor Trigger Distance -1mm	Antennas covered by SENSOR: Ant2/6/8
DSI5	Hotspot on	Hotspot	All WWAN Antennas



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1 Conducted Power of Legacy

1.1 Conducted Power of Legacy (Ant0)

GSM 850 DSI0/1/3/4/5										
		Burst Output Power(dBm)				Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GSM(GMSK)	GSM	33.16	33.16	33.14	34.00	-9.19	23.97	23.97	23.95	24.81
GPRS (GMSK)	1 TX Slot	33.19	33.18	33.13	34.00	-9.19	24.00	23.99	23.94	24.81
	2 TX Slots	30.27	30.28	30.23	31.00	-6.18	24.09	24.10	24.05	24.82
	3 TX Slots	28.35	28.41	28.27	29.20	-4.42	23.93	23.99	23.85	24.78
	4 TX Slots	26.86	26.82	26.88	28.00	-3.17	23.69	23.65	23.71	24.83
EGPRS (GMSK)	1 TX Slot	33.19	33.21	33.15	34.00	-9.19	24.00	24.02	23.96	24.81
	2 TX Slots	30.32	30.25	30.26	31.00	-6.18	24.14	24.07	24.08	24.82
	3 TX Slots	28.33	28.44	28.28	29.20	-4.42	23.91	24.02	23.86	24.78
	4 TX Slots	26.81	26.87	26.70	28.00	-3.17	23.64	23.70	23.53	24.83
EGPRS (8PSK)	1 TX Slot	27.58	27.60	27.44	28.00	-9.19	18.39	18.41	18.25	18.81
	2 TX Slots	24.41	24.45	24.32	25.00	-6.18	18.23	18.27	18.14	18.82
	3 TX Slots	22.58	22.59	22.32	23.20	-4.42	18.16	18.17	17.90	18.78
	4 TX Slots	21.08	21.19	20.96	22.00	-3.17	17.91	18.02	17.79	18.83

WCDMA Band V DSI0/1/3/4/5					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	24.33	24.42	24.39	25.00
	12.2kbps AMR	24.37	24.46	24.35	25.00
HSDPA	Subtest 1	23.65	23.65	23.66	24.50
	Subtest 2	23.60	23.69	23.56	24.50
	Subtest 3	23.18	23.19	23.06	24.00
	Subtest 4	23.08	23.11	23.16	24.00
HSUPA	Subtest 1	21.72	21.68	21.51	22.50
	Subtest 2	21.69	21.73	21.62	22.50
	Subtest 3	22.73	22.67	22.63	23.50
	Subtest 4	21.15	21.23	21.16	22.00
	Subtest 5	22.65	22.73	22.64	23.50
DC-HSDPA	Subtest 1	23.71	23.72	23.62	24.50
	Subtest 2	23.60	23.62	23.63	24.50
	Subtest 3	23.22	23.09	23.12	24.00
	Subtest 4	23.01	23.21	23.12	24.00
HSPA+	16QAM	20.78	21.05	20.82	22.00

LTE Band 5 DSI0/1	Conducted Power(dBm)
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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	24.85	24.86	24.94	25.70
		1	2	24.51	24.56	24.49	25.70
		1	5	24.95	24.96	24.89	25.70
		3	0	25.28	25.18	25.09	25.70
		3	2	24.94	24.90	24.85	25.70
		3	3	24.89	24.99	24.95	25.70
	16QAM	6	0	23.89	23.99	23.95	24.70
		1	0	24.18	24.19	24.26	24.70
		1	2	23.98	23.88	23.95	24.70
		1	5	23.98	23.94	24.00	24.70
		3	0	23.92	23.95	23.89	24.70
		3	2	24.23	24.13	24.19	24.70
	64QAM	3	3	24.23	24.13	24.11	24.70
		6	0	23.10	23.16	23.09	23.70
		1	0	22.96	22.95	22.99	23.70
		1	2	23.08	23.07	23.09	23.70
		1	5	22.73	22.75	22.67	23.70
		3	0	23.03	22.94	23.04	23.70
	256QAM	3	2	22.98	23.06	22.98	23.70
		3	3	23.05	23.11	23.07	23.70
		6	0	21.91	21.96	21.96	22.70
		1	0	20.22	20.22	20.12	20.70
		1	2	20.07	20.03	20.07	20.70
		1	5	19.98	20.00	19.92	20.70
3MHz	QPSK	3	0	20.08	20.09	20.07	20.70
		3	2	19.83	19.86	19.92	20.70
		3	3	19.85	19.89	19.92	20.70
		6	0	20.09	20.06	20.13	20.70
		1	0	24.71	24.80	24.70	25.70
		1	7	24.72	24.66	24.69	25.70
	16QAM	1	14	25.01	24.91	24.98	25.70
		8	0	24.18	24.12	24.04	24.70
		8	4	24.06	23.97	23.90	24.70
		8	7	23.92	23.98	23.98	24.70
		15	0	23.93	23.92	24.02	24.70
		1	0	24.19	24.11	24.19	24.70
	64QAM	1	7	23.94	23.97	23.96	24.70
		1	14	23.93	23.94	23.92	24.70
		8	0	23.00	22.90	22.85	23.70
		8	4	23.18	23.11	23.16	23.70
		8	7	23.04	23.04	23.04	23.70
		15	0	23.15	23.12	23.17	23.70
	256QAM	1	0	23.06	23.02	22.98	23.70
		1	7	22.94	23.00	23.01	23.70
		1	14	22.80	22.77	22.83	23.70
		8	0	21.93	22.03	21.94	22.70
		8	4	22.11	22.05	21.98	22.70
		8	7	22.09	22.13	22.20	22.70
QPSK	15	0	22.02	21.99	21.93	22.70	
	1	0	20.28	20.29	20.36	20.70	
	1	7	20.18	20.13	20.18	20.70	
	1	14	20.19	20.10	20.18	20.70	
	8	0	20.07	20.04	20.03	20.70	
	8	4	19.90	19.93	19.86	20.70	
16QAM	8	7	19.93	19.95	19.87	20.70	
	15	0	20.04	20.04	20.09	20.70	
	1	0	20.28	20.29	20.36	20.70	
	1	7	20.18	20.13	20.18	20.70	
	1	14	20.19	20.10	20.18	20.70	
	8	0	20.07	20.04	20.03	20.70	
64QAM	8	4	19.90	19.93	19.86	20.70	
	8	7	19.93	19.95	19.87	20.70	
	15	0	20.04	20.04	20.09	20.70	
	1	0	20.28	20.29	20.36	20.70	
	1	7	20.18	20.13	20.18	20.70	
	1	14	20.19	20.10	20.18	20.70	
256QAM	8	0	20.07	20.04	20.03	20.70	
	8	4	19.90	19.93	19.86	20.70	
	8	7	19.93	19.95	19.87	20.70	
	15	0	20.04	20.04	20.09	20.70	
	1	0	20.28	20.29	20.36	20.70	
	1	7	20.18	20.13	20.18	20.70	
16QAM	1	14	20.19	20.10	20.18	20.70	
	8	0	20.07	20.04	20.03	20.70	
	8	4	19.90	19.93	19.86	20.70	
	8	7	19.93	19.95	19.87	20.70	
	15	0	20.04	20.04	20.09	20.70	
	1	0	20.28	20.29	20.36	20.70	
256QAM	1	7	20.18	20.13	20.18	20.70	
	1	14	20.19	20.10	20.18	20.70	
	8	0	20.07	20.04	20.03	20.70	
	8	4	19.90	19.93	19.86	20.70	
	8	7	19.93	19.95	19.87	20.70	
	15	0	20.04	20.04	20.09	20.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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Bandwidth	Modulation	RB size	RB offset	20425	20525	20625	Tune up
				Channel	Channel	Channel	
5MHz	QPSK	1	0	24.84	24.84	24.83	25.70
		1	13	24.78	24.72	24.75	25.70
		1	24	24.83	24.88	24.78	25.70
		12	0	24.17	24.08	24.17	24.70
		12	6	24.10	24.04	24.10	24.70
		12	13	23.92	23.95	23.96	24.70
	16QAM	25	0	23.91	23.99	23.97	24.70
		1	0	24.03	24.09	24.11	24.70
		1	13	23.93	23.96	24.05	24.70
		1	24	23.98	23.95	24.05	24.70
		12	0	23.05	22.96	22.88	23.70
		12	6	23.10	23.03	23.13	23.70
	64QAM	12	13	23.10	23.03	22.94	23.70
		25	0	23.02	23.05	23.02	23.70
		1	0	22.83	22.93	23.03	23.70
		1	13	22.91	22.93	22.90	23.70
		1	24	22.76	22.86	22.85	23.70
		12	0	22.06	22.13	22.14	22.70
	256QAM	12	6	22.14	22.06	21.98	22.70
		12	13	21.94	22.03	21.99	22.70
		25	0	22.02	21.99	22.08	22.70
		1	0	20.22	20.28	20.25	20.70
		1	13	20.10	20.15	20.11	20.70
		1	24	19.98	20.02	19.92	20.70
	10MHz	QPSK	12	0	20.10	20.04	20.10
12			6	19.86	19.91	19.94	20.70
12			13	19.81	19.90	19.80	20.70
25			0	20.18	20.10	20.08	20.70
1			0	/	24.92	/	25.70
1			25	/	24.63	/	25.70
16QAM		1	49	/	24.89	/	25.70
		25	0	/	24.01	/	24.70
		25	13	/	23.98	/	24.70
		25	25	/	23.95	/	24.70
		50	0	/	23.97	/	24.70
		1	0	/	24.01	/	24.70
64QAM		1	25	/	23.89	/	24.70
		1	49	/	23.92	/	24.70
		25	0	/	22.94	/	23.70
		25	13	/	22.96	/	23.70
		25	25	/	22.95	/	23.70
		50	0	/	22.95	/	23.70
256QAM		1	0	/	22.97	/	23.70
		1	25	/	22.91	/	23.70
		1	49	/	22.84	/	23.70
		25	0	/	22.03	/	22.70
		25	13	/	22.00	/	22.70
		25	25	/	22.00	/	22.70
256QAM		50	0	/	22.00	/	22.70
	1	0	/	20.27	/	20.70	
	1	25	/	20.12	/	20.70	
	1	49	/	20.03	/	20.70	
	25	0	/	19.97	/	20.70	
	25	13	/	19.99	/	20.70	
256QAM	25	25	/	19.95	/	20.70	
	50	0	/	20.01	/	20.70	



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LTE Band 5 DSI3/4/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	24.06	23.96	24.22	24.70
		1	2	23.66	23.70	23.64	24.70
		1	5	24.17	24.08	24.02	24.70
		3	0	24.50	24.39	24.35	24.70
		3	2	24.19	24.07	24.02	24.70
		3	3	24.07	24.11	24.22	24.70
	16QAM	1	0	24.30	24.48	24.44	24.70
		1	2	24.22	23.98	24.20	24.70
		1	5	24.16	24.04	24.27	24.70
		3	0	24.12	24.05	24.08	24.70
		3	2	24.49	24.36	24.40	24.70
		3	3	24.52	24.24	24.36	24.70
	64QAM	1	0	23.32	23.10	23.28	23.70
		1	2	23.24	23.18	23.32	23.70
		1	5	22.95	22.88	22.77	23.70
		3	0	23.31	23.17	23.28	23.70
		3	2	23.26	23.36	23.18	23.70
		3	3	23.25	23.22	23.28	23.70
	256QAM	1	0	22.06	22.25	22.23	22.70
		1	2	20.50	20.40	20.23	20.70
		1	5	20.17	20.28	20.31	20.70
		3	0	20.24	20.11	20.13	20.70
		3	2	20.19	20.22	20.30	20.70
		3	3	20.08	20.13	20.16	20.70
3MHz	QPSK	1	0	20.09	20.07	20.16	20.70
		6	0	20.38	20.24	20.30	20.70
3MHz	QPSK	1	0	20.38	20.24	20.30	20.70
		6	0	20.38	20.24	20.30	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.96	23.93	23.89	24.70
		1	7	23.88	23.81	23.94	24.70
		1	14	24.11	24.11	24.24	24.70
		8	0	24.43	24.22	24.21	24.70
		8	4	24.25	24.11	24.09	24.70
		8	7	24.09	24.20	24.28	24.70
	16QAM	15	0	24.07	24.19	24.13	24.70
		1	0	24.36	24.25	24.30	24.70
		1	7	24.19	24.20	24.06	24.70
		1	14	24.08	24.07	24.08	24.70
		8	0	23.28	23.00	22.97	23.70
		8	4	23.41	23.33	23.32	23.70
	64QAM	8	7	23.33	23.28	23.17	23.70
		15	0	23.44	23.27	23.29	23.70
		1	0	23.24	23.13	23.24	23.70
		1	7	23.09	23.11	23.12	23.70
		1	14	23.04	22.87	23.09	23.70
		8	0	22.16	22.16	22.10	22.70
	256QAM	8	4	22.22	22.20	22.11	22.70
		8	7	22.28	22.35	22.31	22.70
		15	0	22.22	22.19	22.14	22.70
		1	0	20.58	20.52	20.58	20.70
		1	7	20.43	20.38	20.31	20.70
		1	14	20.31	20.24	20.28	20.70
3MHz	QPSK	8	0	20.36	20.32	20.26	20.70
		8	4	20.00	20.16	20.07	20.70



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Bandwidth	Modulation	RB size	RB offset	8	7	20.23	20.09	20.04	20.70	
				15	0	20.18	20.14	20.36	20.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up			
				20425	20525	20625				
5MHz	QPSK	1	0	24.10	24.12	24.08	24.70			
		1	13	24.00	23.98	23.91	24.70			
		1	24	23.99	24.09	23.90	24.70			
		12	0	24.32	24.18	24.32	24.70			
		12	6	24.39	24.23	24.31	24.70			
		12	13	24.12	24.08	24.14	24.70			
	16QAM	25	0	24.01	24.12	24.19	24.70			
		1	0	24.17	24.24	24.32	24.70			
		1	13	24.21	24.07	24.27	24.70			
		1	24	24.21	24.22	24.23	24.70			
		12	0	23.31	23.21	23.06	23.70			
		12	6	23.31	23.33	23.41	23.70			
	64QAM	12	13	23.32	23.28	23.06	23.70			
		25	0	23.15	23.34	23.26	23.70			
		1	0	23.13	23.18	23.18	23.70			
		1	13	23.14	23.07	23.13	23.70			
		1	24	22.99	23.05	23.03	23.70			
		12	0	22.34	22.30	22.44	22.70			
	256QAM	12	6	22.31	22.36	22.14	22.70			
		12	13	22.05	22.33	22.29	22.70			
		25	0	22.15	22.15	22.24	22.70			
		1	0	20.38	20.50	20.54	20.70			
		1	13	20.28	20.41	20.39	20.70			
		1	24	20.16	20.29	20.02	20.70			
		12	0	20.21	20.20	20.25	20.70			
		12	6	19.97	20.14	20.16	20.70			
		12	13	20.05	20.13	20.00	20.70			
		25	0	20.37	20.20	20.24	20.70			
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
					/	20525	/			
10MHz	QPSK	1	0	/	24.15	/	24.70			
		1	25	/	23.86	/	24.70			
		1	49	/	24.11	/	24.70			
		25	0	/	24.31	/	24.70			
		25	13	/	24.09	/	24.70			
		25	25	/	24.21	/	24.70			
	16QAM	50	0	/	24.15	/	24.70			
		1	0	/	24.22	/	24.70			
		1	25	/	24.12	/	24.70			
		1	49	/	24.05	/	24.70			
		25	0	/	23.08	/	23.70			
		25	13	/	23.15	/	23.70			
	64QAM	25	25	/	23.09	/	23.70			
		50	0	/	23.22	/	23.70			
		1	0	/	23.11	/	23.70			
		1	25	/	23.06	/	23.70			
		1	49	/	23.06	/	23.70			
		25	0	/	22.31	/	22.70			
	256QAM	25	13	/	22.13	/	22.70			
		25	25	/	22.10	/	22.70			
		50	0	/	22.15	/	22.70			
		1	0	/	20.49	/	20.70			
		1	25	/	20.38	/	20.70			
		1	49	/	20.16	/	20.70			
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		50	0	/	20.13	/	20.70
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LTE FDD Band 12 DS10/1/3/4/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	24.69	24.75	24.80	25.50
		1	2	24.78	24.82	24.64	25.50
		1	5	24.97	24.62	24.64	25.50
		3	0	23.83	23.75	23.83	25.50
		3	2	23.81	23.66	23.88	25.50
		3	3	23.89	23.74	23.82	25.50
	16QAM	6	0	23.72	23.78	23.70	24.50
		1	0	24.22	23.99	23.88	24.50
		1	2	23.94	23.92	23.77	24.50
		1	5	24.03	23.90	23.88	24.50
		3	0	22.93	22.88	22.90	24.50
		3	2	22.94	22.71	22.66	24.50
	64QAM	3	3	22.82	22.88	22.83	24.50
		6	0	22.76	22.86	22.81	23.50
		1	0	22.94	23.02	22.95	23.50
		1	2	22.65	22.82	22.81	23.50
		1	5	22.89	22.79	22.93	23.50
		3	0	21.93	21.83	21.79	23.50
	256QAM	3	2	21.94	21.69	21.86	23.50
		3	3	21.83	21.77	21.90	23.50
		6	0	21.84	21.85	21.77	22.50
		1	0	20.10	19.97	19.86	20.50
		1	2	20.03	19.80	19.79	20.50
		1	5	19.95	20.01	19.94	20.50
3MHz	QPSK	3	0	19.88	19.80	19.89	20.50
		3	2	19.79	19.73	19.83	20.50
		3	3	19.85	19.85	19.69	20.50
		6	0	19.81	19.67	19.77	20.50
		1	0	#VALUE!	24.71	24.72	25.50
		1	7	24.89	24.86	24.65	25.50
	16QAM	1	14	24.85	24.74	24.45	25.50
		8	0	23.81	23.86	23.81	24.50
		8	4	23.78	23.69	23.82	24.50
		8	7	23.73	23.71	23.77	24.50
		15	0	23.78	23.69	23.83	24.50
		1	0	24.27	23.96	23.92	24.50
	64QAM	1	7	23.79	23.74	23.90	24.50
		1	14	23.90	23.92	23.91	24.50
		8	0	22.73	22.83	22.83	23.50
		8	4	22.80	22.84	22.61	23.50
		8	7	22.82	22.90	22.79	23.50
		15	0	22.83	22.75	22.84	23.50
	256QAM	1	0	22.95	22.82	22.96	23.50
		1	7	22.48	22.93	22.68	23.50
		1	14	22.94	22.77	23.03	23.50
		8	0	21.94	21.81	21.83	22.50
		8	4	21.83	21.67	21.76	22.50
		8	7	21.85	21.77	21.72	22.50
256QAM	15	0	21.85	21.76	21.86	22.50	
	1	0	19.95	19.92	19.95	20.50	
	1	7	20.05	19.83	19.85	20.50	
			14	19.83	19.99	19.90	20.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				23035	23095	23155		
5MHz	QPSK	8	0	19.86	19.87	19.82	20.50	
		8	4	19.81	19.81	19.73	20.50	
		8	7	19.83	19.79	19.74	20.50	
		15	0	19.78	19.82	19.87	20.50	
		1	0	24.78	24.80	24.72	25.50	
		1	13	24.87	24.83	24.61	25.50	
	16QAM	1	24	24.89	24.72	24.55	25.50	
		12	0	23.82	23.79	23.90	24.50	
		12	6	23.83	23.75	23.81	24.50	
		12	13	23.82	23.77	23.75	24.50	
		25	0	23.77	23.79	23.80	24.50	
		1	0	24.19	23.98	23.97	24.50	
	64QAM	1	13	23.89	23.83	23.86	24.50	
		1	24	24.00	23.96	23.84	24.50	
		12	0	22.83	22.80	22.84	23.50	
		12	6	22.84	22.79	22.51	23.50	
		12	13	22.82	22.81	22.78	23.50	
		25	0	22.81	22.82	22.83	23.50	
	256QAM	1	0	22.92	22.92	22.87	23.50	
		1	13	22.56	22.84	22.75	23.50	
		1	24	22.95	22.82	22.95	23.50	
		12	0	21.88	21.80	21.85	22.50	
		12	6	21.85	21.77	21.82	22.50	
		12	13	21.84	21.76	21.80	22.50	
	10MHz	QPSK	25	0	21.89	21.76	21.77	22.50
			1	0	20.01	20.01	19.96	20.50
			1	13	19.98	19.89	19.89	20.50
			1	24	19.89	19.91	19.87	20.50
			12	0	19.83	19.83	19.79	20.50
			12	6	19.85	19.77	19.73	20.50
		16QAM	12	13	19.83	19.78	19.70	20.50
			25	0	19.87	19.77	19.78	20.50
			1	0	/	23095	/	25.50
			1	25	/	24.89	/	25.50
	1		49	/	24.83	/	25.50	
	25		0	/	24.65	/	24.50	
	64QAM	25	13	/	23.77	/	24.50	
		25	25	/	23.74	/	24.50	
		25	25	/	23.71	/	24.50	
		50	0	/	23.86	/	24.50	
1		0	/	24.07	/	24.50		
1		25	/	23.79	/	24.50		
256QAM	1	49	/	23.96	/	24.50		
	25	0	/	22.75	/	23.50		
	25	13	/	22.82	/	23.50		
	25	25	/	22.82	/	23.50		
	50	0	/	22.91	/	23.50		
	1	0	/	22.93	/	23.50		
10MHz	QPSK	1	25	/	22.79	/	23.50	
		1	49	/	22.72	/	23.50	
		25	0	/	21.80	/	22.50	
		25	13	/	21.68	/	22.50	
		25	25	/	21.82	/	22.50	
		50	0	/	21.74	/	22.50	
	16QAM	1	0	/	19.98	/	20.50	
		1	25	/	19.87	/	20.50	
		1	49	/	19.90	/	20.50	
		25	0	/	19.87	/	20.50	



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		25	13	/	19.72	/	20.50
		25	25	/	19.78	/	20.50
		50	0	/	19.80	/	20.50

LTE FDD Band 13 DS10/1/3/4/5				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				/	23230	/		
5MHz	QPSK	1	0	/	24.82	/	25.50	
		1	13	/	23.84	/	25.50	
		1	24	/	24.71	/	25.50	
		12	0	/	23.98	/	25.50	
		12	6	/	23.89	/	25.50	
		12	13	/	23.79	/	25.50	
	16QAM	25	0	/	23.77	/	24.50	
		1	0	/	23.86	/	24.50	
		1	13	/	23.91	/	24.50	
		1	24	/	23.66	/	24.50	
		12	0	/	22.82	/	24.50	
		12	6	/	22.89	/	24.50	
	64QAM	12	13	/	22.86	/	24.50	
		25	0	/	22.85	/	23.50	
		1	0	/	22.99	/	23.50	
		1	13	/	22.78	/	23.50	
		1	24	/	22.48	/	23.50	
		12	0	/	21.84	/	23.50	
	256QAM	12	6	/	21.85	/	23.50	
		12	13	/	21.86	/	23.50	
		25	0	/	21.75	/	22.50	
		1	0	/	19.87	/	20.50	
		1	13	/	19.77	/	20.50	
		1	24	/	19.84	/	20.50	
	10MHz	QPSK	12	0	/	19.76	/	20.50
			12	6	/	19.86	/	20.50
			12	13	/	19.82	/	20.50
			25	0	/	19.89	/	20.50
1			0	/	24.74	/	25.50	
1			25	/	23.88	/	25.50	
16QAM		1	49	/	24.65	/	25.50	
		25	0	/	23.89	/	24.50	
		25	13	/	23.82	/	24.50	
		25	25	/	23.79	/	24.50	
		50	0	/	23.86	/	24.50	
		1	0	/	23.95	/	24.50	
64QAM		1	25	/	23.83	/	24.50	
		1	49	/	23.69	/	24.50	
		25	0	/	22.88	/	23.50	
		25	13	/	22.82	/	23.50	
		25	25	/	22.79	/	23.50	
		50	0	/	22.85	/	23.50	
256QAM		1	0	/	22.90	/	23.50	
		1	25	/	22.77	/	23.50	
	1	49	/	22.53	/	23.50		
	25	0	/	21.83	/	22.50		
	25	13	/	21.85	/	22.50		
	25	25	/	21.81	/	22.50		
		50	0	/	21.84	/	22.50	
		1	0	/	19.90	/	20.50	



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		1	25	/	19.82	/	20.50
		1	49	/	19.84	/	20.50
		25	0	/	19.78	/	20.50
		25	13	/	19.82	/	20.50
		25	25	/	19.80	/	20.50
		50	0	/	19.81	/	20.50

LTE FDD Band 17 DSI0/1/3/4/5				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				/	23790	/		
5MHz	QPSK	1	0	/	24.70	/	25.50	
		1	13	/	24.59	/	25.50	
		1	24	/	24.52	/	25.50	
		12	0	/	23.78	/	25.50	
		12	6	/	23.80	/	25.50	
		12	13	/	23.76	/	25.50	
	16QAM	25	0	/	23.81	/	24.50	
		1	0	/	24.01	/	24.50	
		1	13	/	23.94	/	24.50	
		1	24	/	23.25	/	24.50	
		12	0	/	22.84	/	24.50	
		12	6	/	22.77	/	24.50	
	64QAM	12	13	/	22.74	/	24.50	
		25	0	/	22.82	/	23.50	
		1	0	/	22.90	/	23.50	
		1	13	/	22.77	/	23.50	
		1	24	/	22.63	/	23.50	
		12	0	/	21.87	/	23.50	
	256QAM	12	6	/	21.81	/	23.50	
		12	13	/	21.77	/	23.50	
		25	0	/	21.81	/	22.50	
		1	0	/	19.55	/	20.50	
		1	13	/	19.79	/	20.50	
		1	24	/	19.86	/	20.50	
	10MHz	QPSK	12	0	/	19.82	/	20.50
			12	6	/	19.79	/	20.50
			12	13	/	19.76	/	20.50
			25	0	/	19.82	/	20.50
			1	0	/	24.03	/	24.50
			1	25	/	23.94	/	24.50
		16QAM	1	49	/	23.21	/	24.50
			25	0	/	22.79	/	23.50
			25	13	/	22.81	/	23.50
			25	25	/	22.70	/	23.50
			50	0	/	22.79	/	23.50
			64QAM	1	0	/	22.86	/
1	25	/		22.73	/	23.50		
1	49	/		22.66	/	23.50		
25	0	/		21.92	/	22.50		
25	13	/		21.77	/	22.50		



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256QAM	25	25	/	21.78	/	22.50
	50	0	/	21.80	/	22.50
	1	0	/	19.54	/	20.50
	1	25	/	19.78	/	20.50
	1	49	/	19.87	/	20.50
	25	0	/	19.80	/	20.50
	25	13	/	19.74	/	20.50
	25	25	/	19.71	/	20.50
	50	0	/	19.78	/	20.50

LTE Band 26 DSI0/1				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26697	26865	27033		
1.4MHz	QPSK	1	0	24.91	25.08	24.76	25.70	
		1	2	25.02	25.09	24.98	25.70	
		1	5	25.08	25.05	24.48	25.70	
		3	0	24.60	24.51	24.58	25.70	
		3	2	24.56	24.49	24.50	25.70	
		3	3	24.45	24.48	24.57	25.70	
	16QAM	6	0	24.08	24.06	24.03	24.70	
		1	0	24.04	24.03	24.06	24.70	
		1	2	24.02	24.02	23.93	24.70	
		1	5	24.19	23.86	23.82	24.70	
		3	0	23.54	23.64	23.61	24.70	
		3	2	23.63	23.50	23.50	24.70	
	64QAM	3	3	23.45	23.64	23.53	24.70	
		6	0	23.17	23.25	23.13	23.70	
		1	0	23.10	22.91	23.09	23.70	
		1	2	22.98	22.89	23.13	23.70	
		1	5	22.88	22.81	23.20	23.70	
		3	0	22.61	22.67	22.57	23.70	
	256QAM	3	2	22.80	22.63	22.51	23.70	
		3	3	22.51	22.72	22.51	23.70	
		6	0	22.06	22.20	22.04	22.70	
		1	0	20.04	20.23	20.23	20.70	
		1	2	20.14	20.20	20.14	20.70	
		1	5	20.17	20.17	20.00	20.70	
	3MHz	QPSK	3	0	20.05	20.02	20.08	20.70
			3	2	20.12	20.15	19.99	20.70
			3	3	20.12	20.05	20.10	20.70
			6	0	20.16	20.14	20.12	20.70
			1	0	24.91	25.03	24.81	25.70
			1	7	25.06	25.14	24.99	25.70
16QAM		1	14	25.09	24.94	24.48	25.70	
		8	0	24.04	24.01	24.08	24.70	
		8	4	24.02	24.10	23.98	24.70	
		8	7	24.04	24.04	24.06	24.70	
		15	0	24.07	24.08	24.07	24.70	
		1	0	24.07	23.94	24.09	24.70	
64QAM	1	7	23.94	24.04	24.00	24.70		
	1	14	24.09	23.93	23.81	24.70		
	8	0	23.12	23.12	23.05	23.70		
	8	4	23.04	23.14	23.10	23.70		
	8	7	23.12	23.11	23.09	23.70		
	15	0	23.17	23.14	23.10	23.70		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26705	26865	27025		
3MHz	QPSK	1	0	24.91	25.03	24.81	25.70	
		1	7	25.06	25.14	24.99	25.70	
		1	14	25.09	24.94	24.48	25.70	
		8	0	24.04	24.01	24.08	24.70	
		8	4	24.02	24.10	23.98	24.70	
		8	7	24.04	24.04	24.06	24.70	
	16QAM	15	0	24.07	24.08	24.07	24.70	
		1	0	24.07	23.94	24.09	24.70	
		1	7	23.94	24.04	24.00	24.70	
		1	14	24.09	23.93	23.81	24.70	
		8	0	23.12	23.12	23.05	23.70	
		8	4	23.04	23.14	23.10	23.70	
64QAM	8	7	23.12	23.11	23.09	23.70		
	15	0	23.17	23.14	23.10	23.70		
	1	0	23.20	22.81	23.20	23.70		
	1	7	22.99	22.85	23.13	23.70		



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26715	26865	27015		
5MHz	QPSK	1	0	24.91	25.06	24.86	25.70	
		1	13	25.03	25.16	25.06	25.70	
		1	24	25.08	24.94	24.43	25.70	
		12	0	24.02	24.00	24.05	24.70	
		12	6	24.06	24.03	23.99	24.70	
		12	13	24.08	24.09	24.04	24.70	
		25	0	24.11	24.07	24.07	24.70	
		16QAM	1	0	24.06	24.00	24.09	24.70
			1	13	24.02	24.00	23.96	24.70
			1	24	24.14	23.87	23.88	24.70
			12	0	23.04	23.13	23.10	23.70
			12	6	23.15	23.12	23.03	23.70
			12	13	23.11	23.06	23.04	23.70
		64QAM	25	0	23.16	23.18	23.13	23.70
			1	0	23.16	22.84	23.08	23.70
	1		13	22.98	22.86	23.12	23.70	
	1		24	22.93	22.74	23.17	23.70	
	12		0	22.15	22.17	22.05	22.70	
	12		6	22.09	22.14	22.06	22.70	
	12		13	22.11	22.17	22.02	22.70	
	256QAM	25	0	22.16	22.21	22.14	22.70	
		1	0	20.02	20.16	20.20	20.70	
		1	13	20.11	20.24	20.15	20.70	
		1	24	20.21	20.17	20.08	20.70	
		12	0	20.15	20.05	20.14	20.70	
		12	6	20.09	20.12	20.05	20.70	
		12	13	20.17	20.01	19.99	20.70	
		25	0	20.18	20.16	20.14	20.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26740	26865	26990		
10MHz	QPSK	1	0	24.92	25.08	24.85	25.70	
		1	25	25.00	25.18	25.03	25.70	
		1	49	25.04	24.97	24.43	25.70	
		25	0	24.05	24.05	24.09	24.70	
		25	13	23.95	24.04	23.96	24.70	
		25	25	24.08	24.02	24.06	24.70	
		50	0	24.09	24.05	24.08	24.70	
	16QAM	1	0	24.08	23.93	24.11	24.70	
		1	25	24.01	24.04	24.02	24.70	
		1	49	24.19	23.97	23.90	24.70	
		25	0	23.14	23.21	23.06	23.70	
		25	13	23.06	23.19	23.01	23.70	
		25	25	23.08	23.10	23.11	23.70	
		50	0	23.08	23.19	23.13	23.70	
	64QAM	1	0	23.09	22.90	23.13	23.70	
		1	25	22.97	22.82	23.11	23.70	
		1	49	22.98	22.76	23.17	23.70	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				/	26865	/			
15MHz	256QAM	25	0	22.16	22.09	22.10	22.70		
		25	13	22.15	22.13	22.12	22.70		
		25	25	22.09	22.20	22.12	22.70		
		50	0	22.08	22.18	22.06	22.70		
		1	0	20.07	20.14	20.21	20.70		
		1	25	20.13	20.30	20.22	20.70		
		1	49	20.15	20.09	20.08	20.70		
		25	0	20.10	19.99	20.06	20.70		
	25	13	20.14	20.18	20.02	20.70			
	25	25	20.11	20.05	20.05	20.70			
	50	0	20.12	20.21	20.14	20.70			
	15MHz	QPSK	1	0	/	25.03	/	25.70	
			1	38	/	25.10	/	25.70	
			1	74	/	24.96	/	25.70	
			36	0	/	24.02	/	24.70	
			36	18	/	24.06	/	24.70	
			36	39	/	24.00	/	24.70	
			75	0	/	24.10	/	24.70	
			1	0	/	23.99	/	24.70	
		16QAM	1	38	/	24.06	/	24.70	
			1	74	/	23.91	/	24.70	
			36	0	/	23.17	/	23.70	
			36	18	/	23.17	/	23.70	
			36	39	/	23.15	/	23.70	
			75	0	/	23.19	/	23.70	
			64QAM	1	0	/	22.93	/	23.70
				1	38	/	22.89	/	23.70
		1		74	/	22.80	/	23.70	
		36		0	/	22.16	/	22.70	
		36		18	/	22.14	/	22.70	
		36		39	/	22.10	/	22.70	
		75		0	/	22.19	/	22.70	
256QAM		1		0	/	20.20	/	20.70	
		1	38	/	20.21	/	20.70		
		1	74	/	20.09	/	20.70		
		36	0	/	20.06	/	20.70		
		36	18	/	20.13	/	20.70		
		36	39	/	20.09	/	20.70		
		75	0	/	20.17	/	20.70		

LTE Band 26 DS13/4/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	24.54	24.68	24.42	25.20
		1	2	24.81	24.77	24.68	25.20
		1	5	24.84	24.67	24.15	25.20
		3	0	24.24	24.29	24.24	25.20
		3	2	24.36	24.24	24.18	25.20
		3	3	24.20	24.27	24.31	25.20
		6	0	24.31	24.24	24.20	24.70
		1	0	24.21	24.20	24.34	24.70
	16QAM	1	2	24.20	24.20	24.20	24.70
		1	5	24.45	24.02	23.97	24.70
		3	0	23.83	23.92	23.74	24.70
		3	2	23.89	23.60	23.74	24.70
		3	3	23.56	23.88	23.66	24.70
		6	0	23.28	23.38	23.28	23.70



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	64QAM	1	0	23.34	23.07	23.36	23.70	
		1	2	23.27	23.01	23.35	23.70	
		1	5	23.13	23.10	23.30	23.70	
		3	0	22.80	22.80	22.75	23.70	
		3	2	23.06	22.76	22.80	23.70	
		3	3	22.66	23.00	22.61	23.70	
	256QAM	6	0	22.31	22.41	22.34	22.70	
		1	0	20.24	20.40	20.34	20.70	
		1	2	20.41	20.45	20.33	20.70	
		1	5	20.45	20.35	20.25	20.70	
		3	0	20.30	20.23	20.35	20.70	
		3	2	20.22	20.29	20.26	20.70	
		3	3	20.27	20.32	20.33	20.70	
		6	0	20.27	20.31	20.30	20.70	
Bandwidth	Modulation	RB size	RB offset	Channel 26705	Channel 26865	Channel 27025	Tune up	
3MHz	QPSK	1	0	24.69	24.72	24.60	25.20	
		1	7	24.80	24.80	24.64	25.20	
		1	14	24.76	24.65	24.18	25.20	
		8	0	24.14	24.12	24.34	24.70	
		8	4	24.16	24.25	24.10	24.70	
		8	7	24.19	24.20	24.27	24.70	
	16QAM	15	0	24.17	24.27	24.33	24.70	
		1	0	24.23	24.08	24.34	24.70	
		1	7	24.10	24.26	24.29	24.70	
		1	14	24.34	24.21	23.95	24.70	
		8	0	23.33	23.29	23.17	23.70	
		8	4	23.23	23.42	23.24	23.70	
	64QAM	8	7	23.42	23.21	23.24	23.70	
		15	0	23.47	23.44	23.27	23.70	
		1	0	23.43	23.03	23.34	23.70	
		1	7	23.19	22.97	23.42	23.70	
		1	14	23.19	23.01	23.35	23.70	
		8	0	22.26	22.41	22.38	22.70	
	256QAM	8	4	22.31	22.38	22.36	22.70	
		8	7	22.27	22.26	22.14	22.70	
		15	0	22.39	22.51	22.35	22.70	
		1	0	20.31	20.36	20.38	20.70	
		1	7	20.37	20.39	20.44	20.70	
		1	14	20.51	20.29	20.35	20.70	
	5MHz	QPSK	8	0	20.19	20.33	20.29	20.70
			8	4	20.43	20.46	20.25	20.70
			8	7	20.42	20.23	20.17	20.70
			15	0	20.20	20.26	20.27	20.70
			1	0	24.70	24.68	24.47	25.20
			1	13	24.70	24.76	24.79	25.20
16QAM	1	24	24.81	24.71	24.20	25.20		
	12	0	24.26	24.15	24.35	24.70		
	12	6	24.19	24.31	24.10	24.70		
	12	13	24.38	24.34	24.14	24.70		
	25	0	24.27	24.37	24.28	24.70		
	1	0	24.18	24.15	24.38	24.70		
	1	13	24.25	24.21	24.26	24.70		
	1	24	24.32	24.12	23.99	24.70		
	12	0	23.34	23.39	23.31	23.70		
	12	6	23.41	23.35	23.27	23.70		
64QAM	12	13	23.27	23.17	23.23	23.70		
	25	0	23.35	23.31	23.27	23.70		
		1	0	23.45	23.00	23.23	23.70	
Bandwidth	Modulation	RB size	RB offset	Channel 26715	Channel 26865	Channel 27015	Tune up	



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26740	26865	26990		
10MHz	QPSK	1	0	24.60	24.71	24.55	25.20	
		1	25	24.67	24.79	24.82	25.20	
		1	49	24.68	24.76	24.15	25.20	
		25	0	24.26	24.32	24.26	24.70	
		25	13	24.14	24.34	24.10	24.70	
		25	25	24.24	24.20	24.26	24.70	
	16QAM	50	0	24.22	24.24	24.36	24.70	
		1	0	24.34	24.21	24.28	24.70	
		1	25	24.27	24.33	24.16	24.70	
		1	49	24.29	24.20	24.03	24.70	
		25	0	23.38	23.42	23.29	23.70	
		25	13	23.36	23.33	23.17	23.70	
	64QAM	25	25	23.30	23.27	23.30	23.70	
		50	0	23.35	23.29	23.26	23.70	
		1	0	23.32	23.07	23.30	23.70	
		1	25	23.11	23.06	23.26	23.70	
		1	49	23.23	22.88	23.29	23.70	
		25	0	22.38	22.19	22.27	22.70	
	256QAM	25	13	22.31	22.26	22.24	22.70	
		25	25	22.33	22.46	22.39	22.70	
		50	0	22.21	22.29	22.23	22.70	
		1	0	20.35	20.43	20.38	20.70	
		1	25	20.33	20.45	20.48	20.70	
		1	49	20.27	20.27	20.30	20.70	
	15MHz	QPSK	25	0	20.34	20.17	20.17	20.70
			25	13	20.37	20.29	20.17	20.70
			25	25	20.38	20.22	20.21	20.70
			50	0	20.31	20.32	20.24	20.70
			1	0	/	24.65	/	25.20
			1	38	/	24.82	/	25.20
	16QAM	QPSK	1	74	/	24.73	/	25.20
			36	0	/	24.18	/	24.70
			36	18	/	24.30	/	24.70
			36	39	/	24.12	/	24.70
			75	0	/	24.24	/	24.70
			1	0	/	24.11	/	24.70
16QAM		1	38	/	24.31	/	24.70	
		1	74	/	24.08	/	24.70	
		36	0	/	23.43	/	23.70	
		36	18	/	23.29	/	23.70	
		36	39	/	23.38	/	23.70	
		75	0	/	23.36	/	23.70	
64QAM	1	0	/	23.11	/	23.70		
	1	38	/	23.19	/	23.70		



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		1	74	/	22.99	/	23.70
		36	0	/	22.32	/	22.70
		36	18	/	22.40	/	22.70
		36	39	/	22.35	/	22.70
		75	0	/	22.39	/	22.70
	256QAM	1	0	/	20.33	/	20.70
		1	38	/	20.46	/	20.70
		1	74	/	20.37	/	20.70
		36	0	/	20.18	/	20.70
		36	18	/	20.31	/	20.70
		36	39	/	20.34	/	20.70
		75	0	/	20.35	/	20.70

LTE Band 71 DSI0/1/3/4/5				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				133147	133297	133447		
5MHz	QPSK	1	0	24.07	24.09	24.13	25.00	
		1	13	24.3	24.01	24.28	25.00	
		1	24	24.09	24.07	24.04	25.00	
		12	0	23.21	23.17	23.14	24.00	
		12	6	23.28	23.2	23.25	24.00	
		12	13	23.35	23.08	23.16	24.00	
	16QAM	25	0	23.35	23.2	23.23	24.00	
		1	0	23.12	22.91	23.35	24.00	
		1	13	23.26	23.12	23.07	24.00	
		1	24	23.05	23.09	23.24	24.00	
		12	0	22.45	22.14	22.32	23.00	
		12	6	22.38	22.21	22.31	23.00	
	64QAM	12	13	22.35	22.2	22.19	23.00	
		25	0	22.3	22.26	22.28	23.00	
		1	0	22.17	22.24	22.24	23.00	
		1	13	22.33	22.23	22.01	23.00	
		1	24	21.95	22.28	22.29	23.00	
		12	0	21.40	21.24	21.26	22.00	
	256QAM	12	6	21.36	21.23	21.30	22.00	
		12	13	21.39	21.23	21.31	22.00	
		25	0	21.33	21.17	21.15	22.00	
		1	0	19.47	19.49	19.39	20.00	
		1	13	19.31	19.46	19.21	20.00	
		1	24	19.42	19.22	19.39	20.00	
	10MHz	QPSK	12	0	19.42	19.21	19.26	20.00
			12	6	19.34	19.21	19.11	20.00
			12	13	19.39	19.02	19.16	20.00
			25	0	19.40	19.15	19.24	20.00
			1	0	24.07	24.08	24.15	25.00
			1	25	24.32	23.99	24.25	25.00
		16QAM	1	49	24.14	24.1	24.06	25.00
			25	0	23.22	23.15	23.11	24.00
			25	13	23.33	23.19	23.22	24.00
			25	25	23.37	23.14	23.21	24.00
			50	0	23.4	23.18	23.18	24.00
			1	0	23.12	22.85	23.38	24.00
16QAM	1	25	23.31	23.16	23.13	24.00		
	1	49	23.03	23.15	23.24	24.00		
	25	0	22.4	22.13	22.26	23.00		
	25	13	22.32	22.24	22.28	23.00		
	25	25	22.36	22.18	22.25	23.00		



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	64QAM	50	0	22.21	22.2	22.28	23.00
		1	0	22.17	22.27	22.26	23.00
		1	25	22.39	22.24	22.06	23.00
		1	49	21.94	22.33	22.33	23.00
		25	0	21.43	21.19	21.29	22.00
		25	13	21.35	21.29	21.29	22.00
		25	25	21.35	21.22	21.27	22.00
	256QAM	50	0	21.35	21.21	21.18	22.00
		1	0	19.42	19.47	19.41	20.00
		1	25	19.29	19.45	19.24	20.00
		1	49	19.43	19.25	19.33	20.00
		25	0	19.40	19.26	19.27	20.00
		25	13	19.35	19.15	19.20	20.00
		25	25	19.36	19.07	19.12	20.00
15MHz	QPSK	50	0	19.39	19.13	19.28	20.00
		RB size	RB offset	Channel	Channel	Channel	Tune up
		/	/	133297	/	/	/
		1	0	/	24.08	/	25.00
		1	38	/	24.04	/	25.00
		1	74	/	24.04	/	25.00
		36	0	/	23.11	/	24.00
	16QAM	36	18	/	23.19	/	24.00
		36	39	/	23.12	/	24.00
		75	0	/	23.17	/	24.00
		1	0	/	22.82	/	24.00
		1	38	/	23.13	/	24.00
		1	74	/	23.17	/	24.00
		36	0	/	22.1	/	23.00
64QAM	36	18	/	22.3	/	23.00	
	36	39	/	22.13	/	23.00	
	75	0	/	22.19	/	23.00	
	1	0	/	22.24	/	23.00	
	1	38	/	22.26	/	23.00	
	1	74	/	22.30	/	23.00	
	36	0	/	21.13	/	22.00	
256QAM	36	18	/	21.27	/	22.00	
	36	39	/	21.24	/	22.00	
	75	0	/	21.22	/	22.00	
	1	0	/	19.52	/	20.00	
	1	38	/	19.50	/	20.00	
	1	74	/	19.30	/	20.00	
	36	0	/	19.27	/	20.00	
20MHz	QPSK	36	18	/	19.20	/	20.00
		36	39	/	19.03	/	20.00
		75	0	/	19.16	/	20.00
		1	0	/	24.04	/	25.00
		1	50	/	23.96	/	25.00
		1	99	/	24.16	/	25.00
		50	0	/	23.12	/	24.00
	16QAM	50	25	/	23.14	/	24.00
		50	50	/	23.09	/	24.00
		100	0	/	23.17	/	24.00
		1	0	/	22.81	/	24.00
		1	50	/	23.1	/	24.00
		1	99	/	23.15	/	24.00
		50	0	/	22.17	/	23.00
	50	25	/	22.18	/	23.00	
	50	50	/	22.19	/	23.00	
	100	0	/	22.19	/	23.00	



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	64QAM	1	0	/	22.28	/	23.00
		1	50	/	22.20	/	23.00
		1	99	/	22.31	/	23.00
		50	0	/	21.20	/	22.00
		50	25	/	21.26	/	22.00
		50	50	/	21.21	/	22.00
		100	0	/	21.23	/	22.00
	256QAM	1	0	/	19.50	/	20.00
		1	50	/	19.40	/	20.00
		1	99	/	19.19	/	20.00
		50	0	/	19.20	/	20.00
		50	25	/	19.19	/	20.00
		50	50	/	19.08	/	20.00
		100	0	/	19.16	/	20.00



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1.2 Conducted Power of Legacy (Ant1)

GSM 850 DSI0										
		Burst Output Power(dBm)				Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GSM(GMSK)	GSM	33.62	33.64	33.45	35.00	-9.19	24.43	24.45	24.26	25.81
GPRS (GMSK)	1 TX Slot	33.61	33.60	33.47	35.00	-9.19	24.42	24.41	24.28	25.81
	2 TX Slots	30.69	30.70	30.57	32.00	-6.18	24.51	24.52	24.39	25.82
	3 TX Slots	28.72	28.78	28.60	30.20	-4.42	24.30	24.36	24.18	25.78
	4 TX Slots	27.20	27.21	27.18	29.00	-3.17	24.03	24.04	24.01	25.83
EGPRS (GMSK)	1 TX Slot	33.62	33.56	33.42	35.00	-9.19	24.43	24.37	24.23	25.81
	2 TX Slots	30.69	30.66	30.56	32.00	-6.18	24.51	24.48	24.38	25.82
	3 TX Slots	28.74	28.78	28.62	30.20	-4.42	24.32	24.36	24.20	25.78
	4 TX Slots	27.15	27.23	27.14	29.00	-3.17	23.98	24.06	23.97	25.83
EGPRS (8PSK)	1 TX Slot	27.88	27.85	27.68	28.00	-9.19	18.69	18.66	18.49	18.81
	2 TX Slots	24.54	24.55	24.42	25.00	-6.18	18.36	18.37	18.24	18.82
	3 TX Slots	22.76	22.74	22.49	23.20	-4.42	18.34	18.32	18.07	18.78
	4 TX Slots	21.46	21.51	21.24	22.00	-3.17	18.29	18.34	18.07	18.83

GSM 850 DSI1										
		Burst Output Power(dBm)				Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GSM(GMSK)	GSM	32.82	32.77	32.62	34.00	-9.19	23.63	23.58	23.43	24.81
GPRS (GMSK)	1 TX Slot	32.25	32.29	32.13	34.00	-9.19	23.06	23.10	22.94	24.81
	2 TX Slots	29.36	29.40	29.28	31.00	-6.18	23.18	23.22	23.10	24.82
	3 TX Slots	27.44	27.50	27.30	29.20	-4.42	23.02	23.08	22.88	24.78
	4 TX Slots	26.35	26.39	26.37	28.00	-3.17	23.18	23.22	23.20	24.83
EGPRS (GMSK)	1 TX Slot	32.84	32.77	32.65	34.00	-9.19	23.65	23.58	23.46	24.81
	2 TX Slots	29.85	29.79	29.75	31.00	-6.18	23.67	23.61	23.57	24.82
	3 TX Slots	27.89	27.99	27.79	29.20	-4.42	23.47	23.57	23.37	24.78
	4 TX Slots	26.28	26.37	26.32	28.00	-3.17	23.11	23.20	23.15	24.83
EGPRS (8PSK)	1 TX Slot	26.98	26.95	26.82	27.00	-9.19	17.79	17.76	17.63	17.81
	2 TX Slots	23.77	23.74	23.58	24.00	-6.18	17.59	17.56	17.40	17.82



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	3 TX Slots	21.96	21.87	21.62	22.20	-4.42	17.54	17.45	17.20	17.78
	4 TX Slots	20.64	20.70	20.39	21.00	-3.17	17.47	17.53	17.22	17.83

GSM 850 DSI3/4/5											
		Burst Output Power(dBm)					Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up	128		190	251	Tune up	
GSM(GMSK)	GSM	30.76	30.73	30.54	32.00	-9.19	21.57	21.54	21.35	22.81	
GPRS (GMSK)	1 TX Slot	30.73	30.70	30.54	32.00	-9.19	21.54	21.51	21.35	22.81	
	2 TX Slots	27.84	27.84	27.62	29.00	-6.18	21.66	21.66	21.44	22.82	
	3 TX Slots	25.86	25.87	25.75	27.20	-4.42	21.44	21.45	21.33	22.78	
	4 TX Slots	24.69	24.84	24.63	26.00	-3.17	21.52	21.67	21.46	22.83	
EGPRS (GMSK)	1 TX Slot	30.77	30.71	30.54	32.00	-9.19	21.58	21.52	21.35	22.81	
	2 TX Slots	27.83	27.71	27.64	29.00	-6.18	21.65	21.53	21.46	22.82	
	3 TX Slots	25.86	25.90	25.67	27.20	-4.42	21.44	21.48	21.25	22.78	
	4 TX Slots	24.29	24.36	24.27	26.00	-3.17	21.12	21.19	21.10	22.83	
EGPRS (8PSK)	1 TX Slot	24.93	24.97	24.73	25.00	-9.19	15.74	15.78	15.54	15.81	
	2 TX Slots	21.65	21.70	21.56	22.00	-6.18	15.47	15.52	15.38	15.82	
	3 TX Slots	19.81	19.89	19.63	20.20	-4.42	15.39	15.47	15.21	15.78	
	4 TX Slots	18.53	18.59	18.30	19.00	-3.17	15.36	15.42	15.13	15.83	

WCDMA Band V DSI0/1					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	24.81	24.67	24.63	25.70
	12.2kbps AMR	24.79	24.71	24.60	25.70
HSDPA	Subtest 1	23.65	23.66	23.59	25.20
	Subtest 2	23.63	23.65	23.59	25.20
	Subtest 3	23.19	23.20	23.11	24.70
	Subtest 4	23.16	23.16	23.10	24.70
HSUPA	Subtest 1	21.63	21.64	21.57	23.20
	Subtest 2	21.61	21.66	21.58	23.20
	Subtest 3	22.64	22.67	22.58	24.20
	Subtest 4	21.14	21.18	21.11	22.70
	Subtest 5	22.61	22.66	22.57	24.20
DC-HSDPA	Subtest 1	23.62	23.63	23.68	25.20
	Subtest 2	23.50	23.66	23.60	25.20
	Subtest 3	23.21	23.24	23.12	24.70
	Subtest 4	23.07	23.01	23.22	24.70
HSPA+	16QAM	21.06	21.03	21.12	22.70

WCDMA Band V DSI3/4/5					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	21.84	21.72	21.59	22.70
	12.2kbps AMR	21.81	21.73	21.64	22.70
HSDPA	Subtest 1	20.64	20.72	20.60	22.20



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	Subtest 2	20.67	20.69	20.64	22.20
	Subtest 3	20.15	20.23	20.07	21.70
	Subtest 4	20.18	20.19	20.16	21.70
HSUPA	Subtest 1	18.69	18.70	18.59	20.20
	Subtest 2	18.58	18.64	18.61	20.20
	Subtest 3	19.65	19.63	19.63	21.20
	Subtest 4	18.17	18.24	18.11	19.70
	Subtest 5	19.64	19.71	19.60	21.20
DC-HSDPA	Subtest 1	20.68	20.59	20.73	22.20
	Subtest 2	20.47	20.64	20.59	22.20
	Subtest 3	20.17	20.23	20.15	21.70
	Subtest 4	20.12	19.97	20.26	21.70
HSPA+	16QAM	18.06	18.05	18.16	19.70

LTE Band 5 DSI0				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20407	20525	20643		
1.4MHz	QPSK	1	0	24.48	24.52	24.46	25.70	
		1	2	24.49	24.48	24.46	25.70	
		1	5	24.88	24.91	24.98	25.70	
		3	0	24.64	24.65	24.61	25.70	
		3	2	24.80	24.74	24.67	25.70	
		3	3	24.74	24.76	24.66	25.70	
	16QAM	6	0	23.86	23.93	23.87	24.70	
		1	0	23.89	23.90	23.83	24.70	
		1	2	24.03	23.93	23.86	24.70	
		1	5	23.47	23.52	23.50	24.70	
		3	0	23.83	23.90	23.92	24.70	
		3	2	23.70	23.76	23.83	24.70	
	64QAM	3	3	23.92	23.99	23.99	24.70	
		6	0	22.85	22.84	22.83	23.70	
		1	0	22.87	22.92	22.90	23.70	
		1	2	22.49	22.43	22.47	23.70	
		1	5	22.82	22.83	22.77	23.70	
		3	0	22.80	22.76	22.73	23.70	
	256QAM	3	2	22.71	22.77	22.72	23.70	
		3	3	22.91	22.83	22.75	23.70	
		6	0	21.84	21.93	21.97	22.70	
		1	0	19.99	19.94	19.97	20.70	
		1	2	20.05	20.05	19.95	20.70	
		1	5	19.85	19.77	19.86	20.70	
	3MHz	QPSK	3	0	20.15	20.06	20.13	20.70
			3	2	19.86	19.79	19.82	20.70
			3	3	19.80	19.85	19.82	20.70
			6	0	19.92	19.90	19.81	20.70
			1	0	24.66	24.61	24.64	25.70
			1	7	24.60	24.57	24.56	25.70
16QAM	QPSK	1	14	24.97	24.89	24.90	25.70	
		8	0	23.80	23.71	23.65	24.70	
		8	4	23.68	23.78	23.68	24.70	
		8	7	23.82	23.81	23.74	24.70	
	15	0	23.97	23.87	23.78	24.70		
	16QAM	1	0	23.94	23.91	24.00	24.70	
		1	7	23.98	23.96	23.95	24.70	
		1	14	23.56	23.53	23.60	24.70	
		8	0	22.93	22.83	22.90	23.70	
		8	4	22.65	22.67	22.75	23.70	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20415	20525	20635		



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	64QAM	8	7	22.98	22.99	23.02	23.70
		15	0	22.96	22.89	22.83	23.70
		1	0	22.99	22.97	23.04	23.70
		1	7	22.44	22.41	22.44	23.70
		1	14	22.84	22.75	22.70	23.70
		8	0	21.77	21.84	21.79	22.70
	256QAM	8	4	21.74	21.84	21.75	22.70
		8	7	21.72	21.80	21.85	22.70
		15	0	21.96	22.02	21.93	22.70
		1	0	20.11	20.02	20.09	20.70
		1	7	19.96	20.00	19.96	20.70
		1	14	19.74	19.82	19.82	20.70
	QPSK	8	0	20.05	20.02	20.08	20.70
		8	4	19.97	19.89	19.87	20.70
		8	7	19.77	19.79	19.69	20.70
		15	0	19.80	19.81	19.73	20.70
		1	0	24.67	24.62	24.55	25.70
		1	13	24.54	24.61	24.58	25.70
		1	24	24.83	24.84	24.75	25.70
		12	0	23.73	23.75	23.81	24.70
		12	6	23.74	23.69	23.60	24.70
		12	13	23.90	23.83	23.90	24.70
		25	0	23.83	23.81	23.74	24.70
		16QAM	1	0	24.01	23.95	23.86
	1		13	24.09	24.05	23.99	24.70
	1		24	23.60	23.51	23.59	24.70
	12		0	22.83	22.93	22.88	23.70
	12		6	22.70	22.77	22.75	23.70
12	13		22.87	22.91	22.94	23.70	
64QAM	25	0	22.89	22.94	22.98	23.70	
	1	0	22.99	22.98	22.91	23.70	
	1	13	22.47	22.43	22.52	23.70	
	1	24	22.86	22.80	22.90	23.70	
	12	0	21.82	21.81	21.79	22.70	
	12	6	21.92	21.90	21.82	22.70	
256QAM	12	13	21.97	21.88	21.90	22.70	
	25	0	21.91	21.96	21.97	22.70	
	1	0	19.95	19.92	19.83	20.70	
	1	13	20.02	19.92	20.00	20.70	
	1	24	19.95	19.87	19.95	20.70	
	12	0	19.98	19.97	19.92	20.70	
10MHz	QPSK	12	6	20.00	19.90	19.86	20.70
		12	13	19.86	19.78	19.78	20.70
		25	0	19.75	19.74	19.77	20.70
		1	0	24.62	24.62	24.55	25.70
		1	25	24.58	24.58	24.58	25.70
		1	49	24.76	24.76	24.76	25.70
16QAM	25	0	23.83	23.83	23.83	24.70	
	25	13	23.78	23.78	23.78	24.70	
	25	25	23.77	23.77	23.77	24.70	
	50	0	23.83	23.83	23.83	24.70	
	1	0	23.98	23.98	23.98	24.70	
	1	25	23.98	23.98	23.98	24.70	
	16QAM	1	49	23.51	23.51	23.51	24.70
		25	0	22.89	22.89	22.89	23.70
		25	13	22.87	22.87	22.87	23.70
		25	25	22.85	22.85	22.85	23.70



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	64QAM	50	0	/	22.86	/	23.70
		1	0	/	22.88	/	23.70
		1	25	/	22.46	/	23.70
		1	49	/	22.84	/	23.70
		25	0	/	21.91	/	22.70
		25	13	/	21.86	/	22.70
		25	25	/	21.89	/	22.70
	256QAM	50	0	/	21.88	/	22.70
		1	0	/	19.83	/	20.70
		1	25	/	19.90	/	20.70
		1	49	/	19.92	/	20.70
		25	0	/	19.90	/	20.70
		25	13	/	19.85	/	20.70
		25	25	/	19.81	/	20.70
		50	0	/	19.83	/	20.70

LTE Band 5 DS1				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20407	20525	20643		
1.4MHz	QPSK	1	0	24.01	23.99	24.01	25.20	
		1	2	23.97	23.94	23.94	25.20	
		1	5	24.04	24.04	24.04	25.20	
		3	0	23.97	24.01	24.04	25.20	
		3	2	24.00	23.98	23.97	25.20	
		3	3	24.00	24.04	24.04	25.20	
	16QAM	6	0	23.49	23.50	23.50	24.70	
		1	0	23.71	23.70	23.73	24.70	
		1	2	23.36	23.35	23.33	24.70	
		1	5	23.68	23.63	23.68	24.70	
		3	0	23.60	23.62	23.61	24.70	
		3	2	23.68	23.61	23.66	24.70	
	64QAM	3	3	23.63	23.68	23.66	24.70	
		6	0	22.56	22.53	22.60	23.70	
		1	0	22.72	22.65	22.65	23.70	
		1	2	22.65	22.58	22.59	23.70	
		1	5	22.69	22.69	22.68	23.70	
		3	0	22.72	22.67	22.71	23.70	
	256QAM	3	2	22.72	22.71	22.71	23.70	
		3	3	22.68	22.74	22.75	23.70	
		6	0	21.56	21.58	21.52	22.70	
		1	0	19.75	19.71	19.71	20.70	
		1	2	19.66	19.61	19.58	20.70	
		1	5	19.71	19.69	19.73	20.70	
	3MHz	QPSK	3	0	19.62	19.58	19.60	20.70
			3	2	19.60	19.56	19.53	20.70
			3	3	19.54	19.53	19.52	20.70
			6	0	19.59	19.59	19.57	20.70
			1	0	24.05	23.99	23.99	25.20
			1	7	24.01	24.01	24.00	25.20
16QAM	QPSK	1	14	23.99	23.99	24.02	25.20	
		8	0	23.58	23.56	23.55	24.70	
		8	4	23.44	23.49	23.49	24.70	
		8	7	23.46	23.49	23.52	24.70	
		15	0	23.50	23.53	23.52	24.70	
		1	0	23.77	23.75	23.71	24.70	
3MHz	16QAM	1	7	23.36	23.36	23.37	24.70	
		1	14	23.68	23.60	23.65	24.70	



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