



REPORT No.: SZ22120060S01

Annex E Conducted Power

Note: conducted power unit: dBm

Full Power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	128	189	251		128	189	251		
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.21	32.20	32.15	33.50	23.21	23.20	23.15	24.50	0.06
GPRS 1 Tx slot	32.18	32.19	32.20	33.50	23.18	23.19	23.20	24.50	
GPRS 2 Tx slots	30.40	30.46	30.41	31.00	24.40	24.46	24.41	25.00	
GPRS 3 Tx slots	28.47	28.21	28.26	29.00	24.21	23.95	24.00	24.74	
GPRS 4 Tx slots	27.21	26.96	26.93	27.50	24.21	23.96	23.93	24.50	0.28
EDGE 1 Tx slot	26.66	26.57	26.37	27.50	17.66	17.57	17.37	18.50	0.29
EDGE 2 Tx slots	26.48	26.41	26.20	27.00	20.48	20.41	20.20	21.00	0.28
EDGE 3 Tx slots	24.25	24.27	24.03	24.50	19.99	20.01	19.77	20.24	0.24
EDGE 4 Tx slots	22.18	22.05	22.13	22.50	19.18	19.05	19.13	19.50	0.13
Mode		Max.	32.21			Max.	24.46		
Attenuator	Cable Loss : 0.6								

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	29.09	29.19	29.32	30.00	20.09	20.19	20.32	21.00	0.27
GPRS 1 Tx slot	29.10	29.05	29.21	30.00	20.10	20.05	20.21	21.00	
GPRS 2 Tx slots	25.91	25.84	26.01	26.50	19.91	19.84	20.01	20.50	0.17
GPRS 3 Tx slots	24.52	24.58	24.47	25.50	20.26	20.32	20.21	21.24	0.11
GPRS 4 Tx slots	22.53	22.52	22.67	23.50	19.53	19.52	19.67	20.50	0.15
EDGE 1 Tx slot	25.20	25.30	25.27	26.00	16.20	16.30	16.27	17.00	0.10
EDGE 2 Tx slots	24.58	24.68	24.69	25.50	18.58	18.68	18.69	19.50	0.11
EDGE 3 Tx slots	22.94	23.02	23.01	23.50	18.68	18.76	18.75	19.24	0.08
EDGE 4 Tx slots	21.87	21.86	21.90	22.50	18.87	18.86	18.90	19.50	0.04
Mode		Max.	29.32			Max.	20.32		
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	WCDMA Band V			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	RMC 12.2Kbps	22.41	22.47	22.38	23.70	22.86	23.10	22.92	23.70	22.45	22.46	22.41	23.70
3GPP Rel 6	HSDPA Subtest-1	21.55	21.55	21.55	22.50	22.12	22.22	22.27	23.00	21.44	21.49	21.53	22.50
3GPP Rel 6	HSDPA Subtest-2	21.77	21.53	21.52	22.50	22.26	22.21	22.31	23.00	21.46	21.51	21.62	22.50
3GPP Rel 6	HSDPA Subtest-3	21.16	21.05	21.02	22.00	21.95	21.74	21.77	22.50	20.97	21.01	21.03	21.50
3GPP Rel 6	HSDPA Subtest-4	21.16	21.04	21.02	22.00	21.95	21.84	21.73	22.50	21.06	21.01	21.14	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.34	21.33	21.33	22.00	22.04	22.00	22.06	22.50	21.55	21.51	21.50	22.50
3GPP Rel 8	DC-HSDPA Subtest-2	21.31	21.31	21.31	22.00	22.08	21.97	22.11	22.50	21.56	21.50	21.55	22.50
3GPP Rel 8	DC-HSDPA Subtest-3	20.83	20.83	20.93	21.50	21.51	21.48	21.55	22.50	21.06	20.99	21.07	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.82	20.84	21.93	22.50	21.59	21.49	21.58	22.50	21.06	21.00	21.05	21.50
3GPP Rel 6	HSUPA Subtest-1	21.46	21.38	21.38	22.00	22.10	22.08	21.93	22.50	21.46	21.61	21.69	22.50
3GPP Rel 6	HSUPA Subtest-2	20.90	20.83	20.72	21.50	21.56	21.52	21.46	22.50	21.04	21.10	21.20	21.50
3GPP Rel 6	HSUPA Subtest-3	21.45	21.31	21.18	22.00	22.14	22.08	22.08	22.50	21.49	21.50	21.65	22.50
3GPP Rel 6	HSUPA Subtest-4	21.34	21.29	21.40	22.00	22.03	22.00	22.10	22.50	21.44	21.47	21.58	22.00
3GPP Rel 6	HSUPA Subtest-5	21.46	21.37	21.27	22.00	22.14	21.98	22.07	22.50	21.46	21.49	21.61	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.95	20.86	20.82	21.50	21.66	21.53	21.64	22.50	21.13	21.21	21.17	21.50
Attenuator		Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6		
Mode		Max.	22.47			Max.	23.10			Max.	22.46		

Band 2 (1900MHz Band)

Part 24E

Table for Band 2 (1900MHz Band) Part 24E. Columns include BW [MHz], Modulation, RB Size, RB Offset, Low Channel, Middle Channel, High Channel, and Tune-up limit (dBm). Rows are grouped by Channel, Frequency (MHz), and Tune-up limit.

Band 4 (AWS Band)

Part 27L (only on channel required)

Table for Band 4 (AWS Band) Part 27L (only on channel required). Columns include BW [MHz], Modulation, RB Size, RB Offset, Low Channel, Middle Channel, High Channel, and Tune-up limit (dBm). Rows are grouped by Channel, Frequency (MHz), and Tune-up limit.

3	QPSK	15	0	21.91	22.13	22.01	23
3	16QAM	1	0	22.29	22.42	22.29	
3	16QAM	1	8	22.26	22.25	22.17	
3	16QAM	1	14	22.00	22.16	22.05	
3	16QAM	8	0	21.09	21.38	21.12	
3	16QAM	8	4	20.99	21.33	21.11	
3	16QAM	8	7	20.96	21.22	20.96	
3	16QAM	15	0	20.86	21.10	20.96	
3	64QAM	1	0	21.98	22.29	22.03	
3	64QAM	1	8	21.99	22.15	22.00	
3	64QAM	1	14	22.03	22.14	21.94	
3	64QAM	8	0	21.08	21.12	21.02	
3	64QAM	8	4	21.04	21.09	21.03	
3	64QAM	8	7	21.01	20.85	20.81	
3	64QAM	15	0	20.87	21.17	21.17	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.00	23.02	22.86	24
1.4	QPSK	1	3	22.89	23.00	22.89	
1.4	QPSK	1	5	22.56	22.86	22.58	
1.4	QPSK	3	0	22.12	22.33	22.05	
1.4	QPSK	3	1	22.07	22.32	22.16	
1.4	QPSK	3	3	22.08	22.26	22.08	
1.4	QPSK	6	0	21.90	22.10	21.97	23
1.4	16QAM	1	0	22.28	22.39	22.25	23
1.4	16QAM	1	3	22.25	22.22	22.13	
1.4	16QAM	1	5	22.04	22.18	22.01	
1.4	16QAM	3	0	21.08	21.30	21.03	
1.4	16QAM	3	1	21.08	21.35	21.12	
1.4	16QAM	3	3	21.05	21.29	21.02	
1.4	16QAM	6	0	20.85	21.07	20.92	22
1.4	64QAM	1	0	21.97	22.26	21.99	23
1.4	64QAM	1	3	21.98	22.17	22.01	
1.4	64QAM	1	5	22.02	22.16	21.95	
1.4	64QAM	3	0	21.07	21.09	21.08	
1.4	64QAM	3	1	21.03	21.06	21.09	
1.4	64QAM	3	3	21.00	21.02	21.07	
1.4	64QAM	6	0	20.86	21.14	21.13	22

3	QPSK	15	0	22.02	22.31	22.32	23.5
3	16QAM	1	0	22.21	22.24	22.29	
3	16QAM	1	8	22.19	22.21	22.23	
3	16QAM	1	14	22.09	22.17	22.15	
3	16QAM	8	0	21.24	21.24	21.29	
3	16QAM	8	4	21.29	21.36	21.26	
3	16QAM	8	7	21.31	21.33	21.20	
3	16QAM	15	0	21.15	21.20	21.25	
3	64QAM	1	0	22.20	22.26	22.14	
3	64QAM	1	8	22.05	22.19	22.04	
3	64QAM	1	14	22.14	22.36	22.02	
3	64QAM	8	0	21.22	21.23	21.20	
3	64QAM	8	4	21.20	21.22	21.15	
3	64QAM	8	7	21.18	21.31	21.16	
3	64QAM	15	0	21.18	21.33	21.26	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.98	23.14	23.08	24.5
1.4	QPSK	1	3	22.92	23.08	23.12	
1.4	QPSK	1	5	23.05	23.10	23.07	
1.4	QPSK	3	0	22.13	22.26	22.23	
1.4	QPSK	3	1	22.15	22.28	22.18	
1.4	QPSK	3	3	22.10	22.50	22.16	
1.4	QPSK	6	0	22.16	22.44	22.46	23.5
1.4	16QAM	1	0	22.35	22.37	22.43	23.5
1.4	16QAM	1	3	22.33	22.34	22.37	
1.4	16QAM	1	5	22.23	22.30	22.29	
1.4	16QAM	3	0	21.20	21.21	21.27	
1.4	16QAM	3	1	21.25	21.36	21.22	
1.4	16QAM	3	3	21.27	21.30	21.16	
1.4	16QAM	6	0	21.11	21.17	21.21	22.5
1.4	64QAM	1	0	22.16	22.23	22.10	23.5
1.4	64QAM	1	3	22.01	22.16	22.00	
1.4	64QAM	1	5	22.10	22.33	21.98	
1.4	64QAM	3	0	21.18	21.20	21.16	
1.4	64QAM	3	1	21.16	21.19	21.11	
1.4	64QAM	3	3	21.14	21.28	21.12	
1.4	64QAM	6	0	21.14	21.30	21.22	22.5

3	QPSK	15	0	21.41	21.50	21.47	22.5
3	16QAM	1	0	21.82	21.76	21.59	
3	16QAM	1	8	21.60	21.70	21.61	
3	16QAM	1	14	21.49	21.55	21.51	21.5
3	16QAM	8	0	20.41	20.57	20.39	
3	16QAM	8	4	20.48	20.54	20.49	
3	16QAM	8	7	20.41	20.53	20.41	22.5
3	16QAM	15	0	20.44	20.47	20.41	
3	64QAM	1	0	21.68	21.65	21.52	
3	64QAM	1	8	21.74	21.86	21.70	21.5
3	64QAM	1	14	21.51	21.61	21.48	
3	64QAM	8	0	20.51	20.60	20.38	
3	64QAM	8	4	20.50	20.51	20.48	21.5
3	64QAM	8	7	20.41	20.48	20.44	
3	64QAM	15	0	20.49	20.48	20.51	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	22.53	22.54	22.41	23.5
1.4	QPSK	1	3	22.46	22.47	22.45	
1.4	QPSK	1	5	22.23	22.37	22.26	
1.4	QPSK	3	0	21.58	21.59	21.51	
1.4	QPSK	3	1	21.60	21.57	21.59	
1.4	QPSK	3	3	21.54	21.56	21.53	
1.4	QPSK	6	0	21.28	21.30	21.34	22.5
1.4	16QAM	1	0	21.83	21.70	21.60	22.5
1.4	16QAM	1	3	21.61	21.64	21.62	
1.4	16QAM	1	5	21.50	21.49	21.52	
1.4	16QAM	3	0	20.52	20.61	20.50	
1.4	16QAM	3	1	20.59	20.58	20.60	
1.4	16QAM	3	3	20.52	20.57	20.52	
1.4	16QAM	6	0	20.55	20.51	20.52	21.5
1.4	64QAM	1	0	21.79	21.69	21.63	22.5
1.4	64QAM	1	3	21.85	22.00	21.81	
1.4	64QAM	1	5	21.62	21.65	21.59	
1.4	64QAM	3	0	20.62	20.64	20.59	
1.4	64QAM	3	1	20.61	20.55	20.59	
1.4	64QAM	3	3	20.52	20.52	20.55	
1.4	64QAM	6	0	20.60	20.52	20.62	21.5

1.4	QPSK	6	0	21.18	21.34	21.12	22.5
1.4	16QAM	1	0	21.53	21.42	21.37	22.5
1.4	16QAM	1	3	21.26	21.38	21.25	
1.4	16QAM	1	5	21.49	21.67	21.48	
1.4	16QAM	3	0	20.43	20.45	20.23	
1.4	16QAM	3	1	20.23	20.28	20.16	
1.4	16QAM	3	3	20.10	20.18	20.08	
1.4	16QAM	6	0	20.22	20.31	20.28	21.5
1.4	64QAM	1	0	21.29	21.36	21.27	22.5
1.4	64QAM	1	3	21.12	21.22	21.14	
1.4	64QAM	1	5	21.30	21.40	21.32	
1.4	64QAM	3	0	20.25	20.43	20.31	
1.4	64QAM	3	1	20.19	20.32	20.17	
1.4	64QAM	3	3	20.03	20.13	20.10	
1.4	64QAM	6	0	20.09	20.27	20.30	21.5

3	QPSK	15	0	21.78	21.66	21.82	23.5
3	16QAM	1	0	21.90	21.94	21.66	
3	16QAM	1	8	21.82	21.75	21.63	
3	16QAM	1	14	21.77	22.11	21.81	22.5
3	16QAM	8	0	20.71	20.58	20.71	
3	16QAM	8	4	20.68	20.66	20.60	
3	16QAM	8	7	20.66	20.80	20.69	23.5
3	16QAM	15	0	20.82	20.70	20.91	
3	64QAM	1	0	21.70	21.92	21.82	
3	64QAM	1	8	21.75	21.73	21.77	22.5
3	64QAM	1	14	21.58	21.83	21.63	
3	64QAM	8	0	20.72	20.66	20.72	
3	64QAM	8	4	20.65	20.77	20.72	23.5
3	64QAM	8	7	20.69	20.72	20.61	
3	64QAM	15	0	20.82	20.78	20.94	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.64	22.65	22.60	24.5
1.4	QPSK	1	3	22.63	22.55	22.54	
1.4	QPSK	1	5	22.54	22.63	22.57	
1.4	QPSK	3	0	21.55	21.65	21.75	
1.4	QPSK	3	1	21.57	21.72	21.67	
1.4	QPSK	3	3	21.69	21.74	21.78	
1.4	QPSK	6	0	21.77	21.65	21.88	23.5
1.4	16QAM	1	0	21.89	21.93	21.72	23.5
1.4	16QAM	1	3	21.86	21.74	21.69	
1.4	16QAM	1	5	21.81	22.10	21.87	
1.4	16QAM	3	0	20.75	20.57	20.77	
1.4	16QAM	3	1	20.72	20.65	20.66	
1.4	16QAM	3	3	20.65	20.74	20.70	
1.4	16QAM	6	0	20.81	20.64	20.92	22.5
1.4	64QAM	1	0	21.69	21.91	21.86	23.5
1.4	64QAM	1	3	21.74	21.72	21.83	
1.4	64QAM	1	5	21.57	21.82	21.69	
1.4	64QAM	3	0	20.71	20.65	20.78	
1.4	64QAM	3	1	20.59	20.76	20.83	
1.4	64QAM	3	3	20.63	20.71	20.72	
1.4	64QAM	6	0	20.76	20.77	20.94	22.5

2.4GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps			
802.11b 1Mbps	CH 1	2412	9.18	6.49	10.00	11.00	98.71
	CH 6	2437	6.49	7.00	7.00	11.00	
	CH 11	2462	9.05	9.50	9.50	11.00	
802.11g 6Mbps	CH 1	2412	8.68	6.39	9.50	11.00	98.06
	CH 6	2437	6.39	7.00	7.00	11.00	
	CH 11	2462	8.82	9.50	9.50	11.00	
802.11n-HT20 MCS0	CH 1	2412	8.55	6.28	9.00	11.00	98.18
	CH 6	2437	6.28	7.00	7.00	11.00	
	CH 11	2462	8.60	9.00	9.00	11.00	
802.11n-HT40 MCS0	CH 3	2422	8.57	8.74	9.00	11.00	94.30
	CH 6	2437	8.74	9.50	9.50	11.00	
	CH 9	2452	8.89	9.50	9.50	11.00	

5.2GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps			
802.11a 6Mbps	CH 36	5180	5.52	6.23	6.50	11.00	98.06
	CH 44	5220	6.23	7.50	6.50	11.00	
	CH 48	5240	6.77	7.50	7.50	11.00	
802.11n-HT20 MCS0	CH 36	5180	5.31	6.12	6.00	11.00	97.92
	CH 44	5220	6.12	7.00	7.00	11.00	
	CH 48	5240	6.61	7.00	7.00	11.00	
802.11n-HT40 MCS0	CH 38	5190	5.36	5.36	6.00	10.00	96.17
	CH 46	5230	6.22	7.00	7.00	10.00	
	CH 48	5240	6.54	7.00	7.00	11.00	
802.11ac-VHT20 MCS0	CH 36	5180	5.32	6.06	6.00	11.00	98.09
	CH 44	5220	6.06	6.50	6.50	11.00	
	CH 48	5240	6.54	7.00	7.00	11.00	
802.11ac-VHT40 MCS0	CH 38	5190	5.35	5.35	6.00	10.00	95.89
	CH 46	5230	6.29	7.00	7.00	10.00	
	CH 48	5240	6.54	7.00	7.00	11.00	
802.11ac-VHT80 MCS0	CH 42	5210	5.59	6.50	6.50	10.00	93.12

5.8GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps			
802.11a MCS0	CH 149	5745	7.28	6.21	8.00	11.00	98.06
	CH 157	5785	6.21	7.00	7.00	11.00	
	CH 165	5825	6.14	7.00	7.00	11.00	
802.11n-HT20 MCS0	CH 149	5745	7.12	6.55	8.00	11.00	97.92
	CH 157	5785	6.55	7.00	7.00	11.00	
	CH 165	5825	6.03	6.50	6.50	11.00	
802.11n-HT40 MCS0	CH 151	5755	7.17	6.62	8.00	10.00	96.17
	CH 159	5795	6.62	7.50	7.50	10.00	
	CH 165	5825	6.03	6.50	6.50	11.00	
802.11ac-VHT20 MCS0	CH 149	5745	7.06	6.15	8.00	11.00	98.09
	CH 157	5785	6.15	7.00	7.00	11.00	
	CH 165	5825	5.89	6.50	6.50	11.00	
802.11ac-VHT40 MCS0	CH 151	5755	7.20	6.24	8.00	10.00	95.89
	CH 159	5795	6.24	7.00	7.00	10.00	
	CH 165	5825	6.03	6.50	6.50	11.00	
802.11ac-VHT80 MCS0	CH 155	5775	6.94	7.50	7.50	10.00	93.12

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	3.46	1.28	1.27
	CH 39	2441	2.52	0.27	0.36
	CH 78	2480	3.87	1.52	1.52
Tune-up Limit			4.5	2	2
Duty Cycle %			76.8	77.07	77.07

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	2.98
	CH 19	2440	1.99
	CH 39	2480	3.15
Tune-up Limit			4
Duty Cycle %			62.68

CA_41C (Class3)										
Combination:20MHz+20MHz(100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
			RB Size	RB Offset	RB Size	RB Offset				
39750	39948	QPSK	1	0	0	0	1	0	22.57	23.5
40185	39987	QPSK	1	0	0	0	1	0	22.63	23.5
40620	40422	QPSK	1	0	0	0	1	0	22.72	23.5
41055	40857	QPSK	1	0	0	0	1	0	22.62	23.5
41490	41292	QPSK	1	0	0	0	1	0	22.59	23.5
39750	39948	16QAM	1	0	0	0	1	0	21.55	22.5
40185	39987	16QAM	1	0	0	0	1	0	21.81	22.5
40620	40422	16QAM	1	0	0	0	1	0	21.87	22.5
41055	40857	16QAM	1	0	0	0	1	0	21.80	22.5
41490	41292	16QAM	1	0	0	0	1	0	22.02	22.5
39750	39948	64QAM	1	0	0	0	1	0	20.50	21.5
40185	39987	64QAM	1	0	0	0	1	0	20.63	21.5
40620	40422	64QAM	1	0	0	0	1	0	20.69	21.5
41055	40857	64QAM	1	0	0	0	1	0	20.61	21.5
41490	41292	64QAM	1	0	0	0	1	0	20.56	21.5
39750	39948	QPSK	50	0	0	0	1	0	21.83	22.5
40185	39987	QPSK	50	0	0	0	1	0	21.92	22.5
40620	40422	QPSK	50	0	0	0	1	0	21.97	22.5
41055	40857	QPSK	50	0	0	0	1	0	21.89	22.5
41490	41292	QPSK	50	0	0	0	1	0	21.84	22.5

Configure	CA Configuration	PCC					SCC				Power	
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Intra-band	CA_2C	2	20	18801	1870.1	QPSK/1#0	2	20	18999	1889.9	16.35	17.24
	CA_2A-12A	2	20	18700	1860	QPSK/1#0	12	5	23035	701.5	16.26	17.24
	CA_2A-71A	2	20	18700	1860	QPSK/1#0	71	20	68786	637	16.19	17.24
	CA_2A-2A	2	20	18700	1860	QPSK/1#0	2	20	19100	1900	16.29	17.24
	CA_2A-4A	2	20	18700	1860	QPSK/1#0	4	20	20300	1745	16.22	17.24
	CA_2A-66A	2	20	18700	1860	QPSK/1#0	66	20	67236	2190	16.20	17.24
	CA_2A-5A	2	20	18700	1860	QPSK/1#0	5	10	20450	829	16.24	17.24
	CA_4A-12A	4	20	20050	1720	QPSK/1#0	12	5	23035	701.5	15.56	16.31
	CA_4A-71A	4	20	20050	1720	QPSK/1#0	71	20	68786	782	15.61	16.31
	CA_4A-5A	4	20	20050	1720	QPSK/1#0	5	10	20450	829	15.53	16.31
	CA_4A-4A	4	20	20050	1720	QPSK/1#0	4	20	20300	1745	15.59	16.31
	CA_5A-66A	5	10	20450	829	QPSK/1#0	66	20	67236	2190	21.55	22.97
	CA_5B	5	10	20501	834.1	QPSK/1#0	5	10	20600	838.9	21.73	22.97
	CA_5A-5A	5	10	20450	829	QPSK/1#0	5	10	20600	844	21.70	22.97
	CA_12A-66A	12	5	23035	701.5	QPSK/1#0	66	20	67236	2190	21.86	23.33
	CA_25A-25A	25	20	26140	1860	QPSK/1#0	25	20	26590	1905	16.04	16.75
	CA_26A-41A	26	15	26865	831.5	QPSK/1#0	41	20	41490	2680	21.39	22.48
	CA_41A-41A	41	20	39750	2506	QPSK/1#0	41	20	41490	2680	15.87	20.36
	CA_66A-71A	66	20	132072	1720	QPSK/1#0	71	20	68786	782	15.88	16.63
	CA_66A-66A	66	20	132072	1720	QPSK/1#0	66	20	132572	1770	15.91	16.63
CA_66B	66	10	132523	1765.1	QPSK/1#0	66	10	132622	1775	15.79	16.63	
CA_66C	66	20	132572	1770	QPSK/1#0	66	20	67234	2189.8	15.82	16.63	

Reduced Power

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	26.59	26.69	26.82	27.50	17.59	17.69	17.82	18.50	
GPRS 1 Tx slot	26.60	26.63	26.71	27.50	17.60	17.63	17.71	18.50	0.23
GPRS 2 Tx slots	23.95	24.30	24.01	25.00	17.95	18.30	18.01	19.00	0.35
GPRS 3 Tx slots	23.02	23.02	22.97	24.00	18.76	18.76	18.71	19.74	0.05
GPRS 4 Tx slots	20.03	20.21	20.17	21.00	17.03	17.21	17.17	18.00	0.18
EDGE 1 Tx slot	24.98	25.01	24.97	26.00	15.98	16.01	15.97	17.00	0.04
EDGE 2 Tx slots	24.59	24.71	24.62	25.50	18.59	18.71	18.62	19.50	0.12
EDGE 3 Tx slots	23.05	23.14	23.02	24.00	18.79	18.88	18.76	19.74	0.12
EDGE 4 Tx slots	20.06	20.36	19.97	21.00	17.06	17.36	16.97	18.00	0.39
Mode		Max.	26.82			Max.	18.88		
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
TX Channel	9662	9800	9938		1537	1638	1738		
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	RMC 12.2Kbps	16.11	16.17	16.08	17.00	16.14	16.19	16.18	17.00
3GPP Rel 6	HSDPA Subtest-1	15.25	15.25	15.25	16.00	15.12	15.22	15.27	16.00
3GPP Rel 6	HSDPA Subtest-2	15.47	15.23	15.22	16.00	15.26	15.21	15.31	16.00
3GPP Rel 6	HSDPA Subtest-3	14.86	14.75	14.72	15.50	14.95	14.74	14.77	15.50
3GPP Rel 6	HSDPA Subtest-4	14.86	14.74	14.72	15.50	14.95	14.84	14.73	15.50
3GPP Rel 8	DC-HSDPA Subtest-1	15.04	15.03	15.03	16.00	15.04	15.00	15.06	15.50
3GPP Rel 8	DC-HSDPA Subtest-2	15.01	15.01	15.01	16.00	15.08	14.97	15.11	16.00
3GPP Rel 8	DC-HSDPA Subtest-3	14.53	14.53	14.63	15.50	14.51	14.48	14.55	15.50
3GPP Rel 8	DC-HSDPA Subtest-4	14.52	14.54	15.63	16.50	14.59	14.49	14.58	15.50
3GPP Rel 6	HSUPA Subtest-1	15.16	15.08	15.08	15.00	15.10	15.08	14.93	16.00
3GPP Rel 6	HSUPA Subtest-2	14.60	14.53	14.42	15.50	14.56	14.52	14.46	15.50
3GPP Rel 6	HSUPA Subtest-3	15.15	15.01	14.88	16.00	15.14	15.08	15.08	16.00
3GPP Rel 6	HSUPA Subtest-4	15.04	14.99	15.10	16.00	15.03	15.00	15.10	16.00
3GPP Rel 6	HSUPA Subtest-5	15.16	15.07	14.97	16.00	15.14	14.98	15.07	16.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.65	14.56	14.52	15.50	14.66	14.53	14.64	15.50
Attenuator		Cable Loss	0.8			Cable Loss	0.8		
Mode		Max.	16.17			Max.	16.19		

3	QPSK	15	0	16.28	16.50	16.38	17.5
3	16QAM	1	0	16.66	16.79	16.66	
3	16QAM	1	8	16.63	16.62	16.54	
3	16QAM	1	14	16.37	16.53	16.42	
3	16QAM	8	0	15.46	15.75	15.49	
3	16QAM	8	4	15.36	15.70	15.48	
3	16QAM	8	7	15.33	15.59	15.33	
3	16QAM	15	0	15.23	15.47	15.33	
3	64QAM	1	0	16.35	16.66	16.40	
3	64QAM	1	8	16.36	16.52	16.37	
3	64QAM	1	14	16.40	16.51	16.31	
3	64QAM	8	0	15.45	15.49	15.39	
3	64QAM	8	4	15.41	15.46	15.40	
3	64QAM	8	7	15.38	15.22	15.18	
3	64QAM	15	0	15.24	15.54	15.54	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	17.00	17.07	16.86	18
1.4	QPSK	1	3	16.89	17.00	16.89	
1.4	QPSK	1	5	16.56	16.86	16.58	
1.4	QPSK	3	0	16.12	16.33	16.05	
1.4	QPSK	3	1	16.07	16.32	16.16	
1.4	QPSK	3	3	16.08	16.26	16.08	
1.4	QPSK	6	0	16.31	16.56	16.38	17
1.4	16QAM	1	0	16.69	16.80	16.66	17.5
1.4	16QAM	1	3	16.66	16.83	16.54	
1.4	16QAM	1	5	16.45	16.59	16.42	
1.4	16QAM	3	0	15.49	15.71	15.44	
1.4	16QAM	3	1	15.49	15.76	15.53	
1.4	16QAM	3	3	15.46	15.70	15.43	
1.4	16QAM	6	0	15.56	15.58	15.33	16.5
1.4	64QAM	1	0	16.38	16.67	16.40	17.5
1.4	64QAM	1	3	16.39	16.58	16.42	
1.4	64QAM	1	5	16.43	16.57	16.36	
1.4	64QAM	3	0	15.48	15.50	15.49	
1.4	64QAM	3	1	15.44	15.47	15.50	
1.4	64QAM	3	3	15.41	15.43	15.48	
1.4	64QAM	6	0	15.27	15.55	15.54	16.5

3	QPSK	15	0	15.04	15.13	15.14	17
3	16QAM	1	0	16.11	16.14	16.19	
3	16QAM	1	8	16.09	16.11	16.13	
3	16QAM	1	14	15.99	16.07	16.05	
3	16QAM	8	0	15.14	15.14	15.19	
3	16QAM	8	4	15.19	15.26	15.16	
3	16QAM	8	7	15.21	15.23	15.10	
3	16QAM	15	0	15.05	15.10	15.15	
3	64QAM	1	0	16.10	16.16	16.04	
3	64QAM	1	8	15.95	16.09	15.94	
3	64QAM	1	14	16.04	16.26	15.92	
3	64QAM	8	0	15.12	15.13	15.10	
3	64QAM	8	4	15.10	15.12	15.05	
3	64QAM	8	7	15.08	15.21	15.06	
3	64QAM	15	0	15.08	15.23	15.16	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.98	16.14	16.08	17
1.4	QPSK	1	3	15.92	16.08	16.12	
1.4	QPSK	1	5	16.05	16.10	16.07	
1.4	QPSK	3	0	15.22	15.35	15.32	
1.4	QPSK	3	1	15.24	15.37	15.27	
1.4	QPSK	3	3	15.19	15.59	15.25	
1.4	QPSK	6	0	15.25	15.35	15.49	16
1.4	16QAM	1	0	16.05	16.07	16.13	17
1.4	16QAM	1	3	16.03	16.04	16.07	
1.4	16QAM	1	5	15.93	16.00	15.99	
1.4	16QAM	3	0	14.50	14.51	14.57	
1.4	16QAM	3	1	14.55	14.66	14.52	
1.4	16QAM	3	3	14.57	14.60	14.46	
1.4	16QAM	6	0	14.41	14.47	14.51	16.5
1.4	64QAM	1	0	15.96	16.03	15.90	17
1.4	64QAM	1	3	15.81	15.96	15.80	
1.4	64QAM	1	5	15.90	16.13	15.78	
1.4	64QAM	3	0	14.48	14.50	14.46	
1.4	64QAM	3	1	14.46	14.49	14.41	
1.4	64QAM	3	3	14.44	14.58	14.42	
1.4	64QAM	6	0	14.94	15.10	15.02	16.5

3	QPSK	15	0	15.41	15.50	15.47	17
3	16QAM	1	0	16.52	16.46	16.29	
3	16QAM	1	8	16.30	16.40	16.31	
3	16QAM	1	14	16.19	16.25	16.21	17
3	16QAM	8	0	15.91	16.07	15.89	
3	16QAM	8	4	15.98	16.04	15.99	
3	16QAM	8	7	15.91	16.03	15.91	17
3	16QAM	15	0	15.94	15.97	15.91	
3	64QAM	1	0	16.68	16.65	16.52	
3	64QAM	1	8	16.64	16.66	16.70	17
3	64QAM	1	14	16.51	16.61	16.48	
3	64QAM	8	0	16.01	16.10	15.88	
3	64QAM	8	4	16.00	16.01	15.98	17
3	64QAM	8	7	15.91	15.98	15.94	
3	64QAM	15	0	15.99	15.98	16.01	
Channel				26947	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	16.53	16.61	16.41	17.5
1.4	QPSK	1	3	16.46	16.47	16.45	
1.4	QPSK	1	5	16.23	16.37	16.26	
1.4	QPSK	3	0	15.58	15.59	15.51	16.5
1.4	QPSK	3	1	15.60	15.57	15.59	
1.4	QPSK	3	3	15.54	15.56	15.53	
1.4	QPSK	6	0	15.98	16.00	16.04	17
1.4	16QAM	1	0	16.73	16.60	16.50	
1.4	16QAM	1	3	16.51	16.54	16.52	
1.4	16QAM	1	5	16.40	16.39	16.42	17
1.4	16QAM	3	0	15.82	15.71	15.60	
1.4	16QAM	3	1	15.69	15.68	15.70	
1.4	16QAM	3	3	15.62	15.67	15.62	17
1.4	16QAM	6	0	16.05	16.01	16.02	
1.4	64QAM	1	0	16.69	16.59	16.53	
1.4	64QAM	1	3	16.75	16.90	16.71	17
1.4	64QAM	1	5	16.52	16.55	16.49	
1.4	64QAM	3	0	15.72	15.74	15.69	
1.4	64QAM	3	1	15.71	15.65	15.69	17
1.4	64QAM	3	3	15.62	15.62	15.65	
1.4	64QAM	6	0	16.20	16.12	16.22	

3	QPSK	15	0	15.58	15.46	15.62	16.5
3	16QAM	1	0	15.70	15.74	15.46	
3	16QAM	1	8	15.62	15.55	15.43	
3	16QAM	1	14	15.57	15.91	15.61	15.5
3	16QAM	8	0	14.51	14.38	14.51	
3	16QAM	8	4	14.48	14.46	14.40	
3	16QAM	8	7	14.46	14.60	14.49	16.5
3	16QAM	15	0	14.62	14.50	14.71	
3	64QAM	1	0	15.50	15.72	15.62	
3	64QAM	1	8	15.55	15.53	15.57	15.5
3	64QAM	1	14	15.38	15.63	15.43	
3	64QAM	8	0	14.52	14.46	14.52	
3	64QAM	8	4	14.45	14.57	14.52	16.5
3	64QAM	8	7	14.49	14.52	14.41	
3	64QAM	15	0	14.62	14.58	14.74	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	16.44	16.45	16.40	17.5
1.4	QPSK	1	3	16.43	16.35	16.34	
1.4	QPSK	1	5	16.34	16.43	16.37	
1.4	QPSK	3	0	15.35	15.45	15.55	16.5
1.4	QPSK	3	1	15.37	15.52	15.47	
1.4	QPSK	3	3	15.49	15.54	15.58	
1.4	QPSK	6	0	15.57	15.45	15.68	16.5
1.4	16QAM	1	0	15.69	15.73	15.52	
1.4	16QAM	1	3	15.66	15.54	15.49	
1.4	16QAM	1	5	15.61	15.90	15.67	15.5
1.4	16QAM	3	0	14.55	14.37	14.57	
1.4	16QAM	3	1	14.52	14.45	14.46	
1.4	16QAM	3	3	14.45	14.54	14.50	16.5
1.4	16QAM	6	0	14.61	14.44	14.72	
1.4	64QAM	1	0	15.49	15.71	15.68	
1.4	64QAM	1	3	15.54	15.52	15.63	15.5
1.4	64QAM	1	5	15.37	15.62	15.49	
1.4	64QAM	3	0	14.51	14.45	14.58	
1.4	64QAM	3	1	14.39	14.56	14.63	15.5
1.4	64QAM	3	3	14.43	14.51	14.52	
1.4	64QAM	6	0	14.56	14.57	14.74	

CA_41C (Class3)

Combination:20MHz+20MHz(100RB+100RB)

PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
			RB Size	RB Offset	RB Size	RB Offset				
39750	39948	QPSK	1	0	0	0	1	0	17.64	18.5
40185	39987	QPSK	1	0	0	0	1	0	17.70	18.5
40620	40422	QPSK	1	0	0	0	1	0	17.79	18.5
41055	40857	QPSK	1	0	0	0	1	0	17.69	18.5
41490	41292	QPSK	1	0	0	0	1	0	17.66	18.5
39750	39948	16QAM	1	0	0	0	1	0	16.62	17.5
40185	39987	16QAM	1	0	0	0	1	0	16.88	17.5
40620	40422	16QAM	1	0	0	0	1	0	16.94	17.5
41055	40857	16QAM	1	0	0	0	1	0	16.87	17.5
41490	41292	16QAM	1	0	0	0	1	0	17.09	17.5
39750	39948	64QAM	1	0	0	0	1	0	15.57	16.5
40185	39987	64QAM	1	0	0	0	1	0	15.70	16.5
40620	40422	64QAM	1	0	0	0	1	0	15.76	16.5
41055	40857	64QAM	1	0	0	0	1	0	15.68	16.5
41490	41292	64QAM	1	0	0	0	1	0	15.63	16.5
39750	39948	QPSK	50	0	0	0	1	0	16.90	17.5
40185	39987	QPSK	50	0	0	0	1	0	16.99	17.5
40620	40422	QPSK	50	0	0	0	1	0	17.04	17.5
41055	40857	QPSK	50	0	0	0	1	0	16.96	17.5
41490	41292	QPSK	50	0	0	0	1	0	16.91	17.5