



REPORT No.: SZ22050203S01

Annex B Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacture document.

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)
TX Channel		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	23.33	23.70	23.63	24.50	23.36	23.56	23.43	24.50	23.61	23.73	23.66	24.50
3GPP Rel 6	HSDPA Subtest-1	22.37	22.58	22.67	23.50	22.22	22.18	21.97	23.00	22.52	22.52	22.55	23.50
3GPP Rel 6	HSDPA Subtest-2	22.36	22.52	22.68	23.50	22.71	22.27	21.98	23.00	22.34	22.60	22.58	23.50
3GPP Rel 6	HSDPA Subtest-3	21.88	22.05	22.22	23.00	22.19	21.82	21.70	22.50	21.75	22.09	21.99	23.00
3GPP Rel 6	HSDPA Subtest-4	21.87	22.05	22.23	23.00	22.26	21.83	21.52	22.50	21.75	22.10	21.99	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.38	22.54	22.61	23.50	22.12	22.27	22.01	23.00	22.39	22.40	22.51	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.36	22.57	22.67	23.50	22.17	22.25	22.02	23.00	22.49	22.67	22.55	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.98	22.07	22.27	23.00	21.71	21.80	21.52	22.50	21.99	22.10	22.14	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.97	22.06	22.28	23.00	21.70	21.80	21.53	22.50	21.99	22.11	22.18	23.00
3GPP Rel 6	HSUPA Subtest-1	22.40	22.20	22.32	23.00	22.60	22.04	22.30	23.00	22.27	22.57	22.46	23.50
3GPP Rel 6	HSUPA Subtest-2	21.93	21.80	21.87	22.50	22.10	21.66	21.77	22.50	21.78	21.79	22.04	22.50
3GPP Rel 6	HSUPA Subtest-3	22.50	22.34	22.47	23.50	22.58	22.15	22.21	23.00	22.27	22.66	22.46	23.50
3GPP Rel 6	HSUPA Subtest-4	22.52	22.35	22.41	23.50	22.04	22.14	22.07	23.00	22.36	22.33	22.48	23.00
3GPP Rel 6	HSUPA Subtest-5	22.48	22.41	22.46	23.00	22.47	22.15	22.16	23.00	22.26	22.55	22.53	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.33	22.37	22.36	23.00	22.35	22.42	22.44	23.00	21.98	21.87	21.88	22.50
Attenuator			Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6	
Mode			Max.	23.70			Max.	23.56			Max.	23.73	

Band 2 (1900MHz Band) (dBm)

Part 24E

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.20	23.30	23.25	24
20	QPSK	1	49	23.15	23.25	23.20	
20	QPSK	1	99	22.80	23.00	22.95	
20	QPSK	50	0	21.74	22.00	21.90	23
20	QPSK	50	24	21.60	21.89	21.70	
20	QPSK	50	50	21.67	21.93	21.83	
20	QPSK	100	0	21.60	21.86	21.76	
20	16QAM	1	0	21.53	21.79	21.69	23
20	16QAM	1	49	21.48	21.74	21.64	
20	16QAM	1	99	21.43	21.69	21.59	
20	16QAM	50	0	21.38	21.33	21.28	22
20	16QAM	50	24	21.33	21.21	21.23	
20	16QAM	50	50	21.28	21.22	21.20	
20	16QAM	100	0	21.23	21.20	21.39	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.12	23.22	23.17	24
15	QPSK	1	37	23.07	23.17	23.12	
15	QPSK	1	74	22.72	22.92	22.87	
15	QPSK	36	0	21.66	21.92	21.82	23
15	QPSK	36	20	21.52	21.81	21.62	
15	QPSK	36	39	21.59	21.85	21.75	
15	QPSK	75	0	21.52	21.78	21.68	
15	16QAM	1	0	21.45	21.71	21.61	23
15	16QAM	1	37	21.40	21.66	21.56	
15	16QAM	1	74	21.35	21.61	21.51	
15	16QAM	36	0	21.33	21.21	21.23	22
15	16QAM	36	20	21.28	21.22	21.20	
15	16QAM	36	39	21.20	21.46	21.36	
15	16QAM	75	0	21.15	21.41	21.31	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.04	23.14	23.09	24
10	QPSK	1	25	22.99	23.09	23.04	
10	QPSK	1	49	22.64	22.84	22.79	
10	QPSK	25	0	21.58	21.84	21.74	23
10	QPSK	25	12	21.44	21.73	21.54	
10	QPSK	25	25	21.51	21.77	21.67	
10	QPSK	50	0	21.44	21.70	21.60	
10	16QAM	1	0	21.37	21.63	21.53	23
10	16QAM	1	25	21.32	21.58	21.48	
10	16QAM	1	49	21.27	21.53	21.43	
10	16QAM	25	0	21.22	21.48	21.38	22
10	16QAM	25	12	21.17	21.43	21.33	

10	16QAM	25	25	21.12	21.38	21.28	
10	16QAM	50	0	21.07	21.33	21.23	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.96	23.06	23.01	24
5	QPSK	1	12	22.91	23.01	22.96	
5	QPSK	1	24	22.56	22.76	22.71	
5	QPSK	12	0	21.50	21.76	21.66	23
5	QPSK	12	7	21.36	21.65	21.46	
5	QPSK	12	13	21.43	21.69	21.59	
5	QPSK	25	0	21.36	21.62	21.52	
5	16QAM	1	0	21.29	21.55	21.45	23
5	16QAM	1	12	21.24	21.50	21.40	
5	16QAM	1	24	21.19	21.45	21.35	
5	16QAM	12	0	21.14	21.40	21.30	22
5	16QAM	12	7	21.09	21.35	21.25	
5	16QAM	12	13	21.04	21.30	21.20	
5	16QAM	25	0	20.99	21.25	21.15	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.88	22.98	22.93	24
3	QPSK	1	8	22.83	22.93	22.88	
3	QPSK	1	14	22.48	22.68	22.63	
3	QPSK	8	0	21.42	21.68	21.58	23
3	QPSK	8	4	21.28	21.57	21.38	
3	QPSK	8	7	21.35	21.61	21.51	
3	QPSK	15	0	21.28	21.54	21.44	
3	16QAM	1	0	21.21	21.47	21.37	23
3	16QAM	1	8	21.16	21.42	21.32	
3	16QAM	1	14	21.11	21.37	21.27	
3	16QAM	8	0	21.06	21.32	21.22	22
3	16QAM	8	4	21.01	21.27	21.17	
3	16QAM	8	7	20.96	21.22	21.12	
3	16QAM	15	0	20.91	21.17	21.07	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.80	22.90	22.85	24
1.4	QPSK	1	3	22.75	22.85	22.80	
1.4	QPSK	1	5	22.40	22.60	22.55	
1.4	QPSK	3	0	22.10	22.05	22.06	
1.4	QPSK	3	1	22.05	22.00	22.01	
1.4	QPSK	3	3	21.64	21.89	22.00	
1.4	QPSK	6	0	21.20	21.46	21.36	23
1.4	16QAM	1	0	21.13	21.39	21.29	23
1.4	16QAM	1	3	21.08	21.34	21.24	
1.4	16QAM	1	5	21.03	21.29	21.19	
1.4	16QAM	3	0	20.98	21.24	21.14	
1.4	16QAM	3	1	20.93	21.19	21.09	
1.4	16QAM	3	3	20.88	21.14	21.04	
1.4	16QAM	6	0	20.83	21.09	20.99	22

Band 4 (AWS Band) (dBm)

Part 27L (only on channel required)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	22.76	23.16	22.79	24
20	QPSK	1	49	23.08	23.10	23.01	
20	QPSK	1	99	22.73	22.93	22.88	
20	QPSK	50	0	21.67	21.93	21.83	23
20	QPSK	50	24	21.53	21.82	21.63	
20	QPSK	50	50	21.60	21.86	21.76	
20	QPSK	100	0	21.53	21.79	21.69	
20	16QAM	1	0	21.46	21.72	21.62	23
20	16QAM	1	49	21.43	21.69	21.59	
20	16QAM	1	99	21.38	21.64	21.54	
20	16QAM	50	0	21.14	21.23	21.20	22
20	16QAM	50	24	21.28	21.18	21.22	
20	16QAM	50	50	21.23	21.10	21.24	
20	16QAM	100	0	21.12	21.11	21.32	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.67	23.07	22.70	24
15	QPSK	1	37	22.99	23.01	22.92	
15	QPSK	1	74	22.64	22.84	22.79	
15	QPSK	36	0	21.58	21.84	21.74	23
15	QPSK	36	20	21.44	21.73	21.54	
15	QPSK	36	39	21.51	21.77	21.67	
15	QPSK	75	0	21.44	21.70	21.60	
15	16QAM	1	0	21.37	21.63	21.53	23
15	16QAM	1	37	21.34	21.60	21.50	
15	16QAM	1	74	21.29	21.55	21.45	
15	16QAM	36	0	21.24	21.50	21.40	22
15	16QAM	36	20	21.19	21.45	21.35	
15	16QAM	36	39	21.14	21.40	21.30	
15	16QAM	75	0	21.09	21.35	21.25	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.58	22.98	22.61	24
10	QPSK	1	25	22.90	22.92	22.83	
10	QPSK	1	49	22.55	22.75	22.70	
10	QPSK	25	0	21.49	21.75	21.65	23
10	QPSK	25	12	21.35	21.64	21.45	
10	QPSK	25	25	21.42	21.68	21.58	
10	QPSK	50	0	21.35	21.61	21.51	
10	16QAM	1	0	21.28	21.54	21.44	23
10	16QAM	1	25	21.25	21.51	21.41	
10	16QAM	1	49	21.20	21.46	21.36	
10	16QAM	25	0	21.15	21.41	21.31	22
10	16QAM	25	12	21.10	21.36	21.26	

10	16QAM	25	25	21.05	21.31	21.21	
10	16QAM	50	0	21.00	21.26	21.16	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.49	22.89	22.52	24
5	QPSK	1	12	22.81	22.83	22.74	
5	QPSK	1	24	22.46	22.66	22.61	
5	QPSK	12	0	21.40	21.66	21.56	23
5	QPSK	12	7	21.26	21.55	21.36	
5	QPSK	12	13	21.33	21.59	21.49	
5	QPSK	25	0	21.26	21.52	21.42	
5	16QAM	1	0	21.19	21.45	21.35	23
5	16QAM	1	12	21.16	21.42	21.32	
5	16QAM	1	24	21.11	21.37	21.27	
5	16QAM	12	0	21.06	21.32	21.22	22
5	16QAM	12	7	21.01	21.27	21.17	
5	16QAM	12	13	20.96	21.22	21.12	
5	16QAM	25	0	20.91	21.17	21.07	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.40	22.80	22.43	24
3	QPSK	1	8	22.72	22.74	22.65	
3	QPSK	1	14	22.37	22.57	22.52	
3	QPSK	8	0	21.31	21.57	21.47	23
3	QPSK	8	4	21.17	21.46	21.27	
3	QPSK	8	7	21.24	21.50	21.40	
3	QPSK	15	0	21.17	21.43	21.33	
3	16QAM	1	0	21.10	21.36	21.26	23
3	16QAM	1	8	21.07	21.33	21.23	
3	16QAM	1	14	21.02	21.28	21.18	
3	16QAM	8	0	20.97	21.23	21.13	22
3	16QAM	8	4	20.92	21.18	21.08	
3	16QAM	8	7	20.87	21.13	21.03	
3	16QAM	15	0	20.82	21.08	20.98	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.31	22.71	22.34	24
1.4	QPSK	1	3	22.63	22.65	22.56	
1.4	QPSK	1	5	22.28	22.48	22.43	
1.4	QPSK	3	0	21.22	21.48	21.38	
1.4	QPSK	3	1	21.08	21.37	21.18	
1.4	QPSK	3	3	21.15	21.41	21.31	
1.4	QPSK	6	0	21.08	21.34	21.24	23
1.4	16QAM	1	0	21.01	21.27	21.17	23
1.4	16QAM	1	3	20.98	21.24	21.14	
1.4	16QAM	1	5	20.93	21.19	21.09	
1.4	16QAM	3	0	20.88	21.14	21.04	
1.4	16QAM	3	1	20.83	21.09	20.99	
1.4	16QAM	3	3	20.78	21.04	20.94	
1.4	16QAM	6	0	20.73	20.99	20.89	22

Band 12 (700MHz Low Band) (dBm)

Part 27F(only on channel required)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.10	23.15	23.05	24
10	QPSK	1	25	23.01	23.03	22.94	
10	QPSK	1	49	22.66	22.86	22.81	
10	QPSK	25	0	21.60	21.86	21.76	23
10	QPSK	25	12	21.46	21.75	21.56	
10	QPSK	25	25	21.53	21.79	21.69	
10	QPSK	50	0	21.46	21.72	21.62	
10	16QAM	1	0	21.39	21.65	21.55	23
10	16QAM	1	25	21.33	21.59	21.49	
10	16QAM	1	49	21.28	21.54	21.44	
10	16QAM	25	0	21.23	21.49	21.39	22
10	16QAM	25	12	21.18	21.44	21.34	
10	16QAM	25	25	21.13	21.39	21.29	
10	16QAM	50	0	21.08	21.34	21.24	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.05	23.10	23.02	24
5	QPSK	1	12	22.96	22.98	22.89	
5	QPSK	1	24	22.61	22.81	22.76	
5	QPSK	12	0	21.55	21.81	21.71	23
5	QPSK	12	7	21.41	21.70	21.51	
5	QPSK	12	13	21.48	21.74	21.64	
5	QPSK	25	0	21.41	21.67	21.57	
5	16QAM	1	0	21.34	21.60	21.50	23
5	16QAM	1	12	21.28	21.54	21.44	
5	16QAM	1	24	21.23	21.49	21.39	
5	16QAM	12	0	21.18	21.44	21.34	22
5	16QAM	12	7	21.13	21.39	21.29	
5	16QAM	12	13	21.08	21.34	21.24	
5	16QAM	25	0	21.03	21.29	21.19	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.96	23.01	22.93	24
3	QPSK	1	8	22.87	22.89	22.80	
3	QPSK	1	14	22.52	22.72	22.67	
3	QPSK	8	0	21.46	21.72	21.62	23
3	QPSK	8	4	21.32	21.61	21.42	
3	QPSK	8	7	21.39	21.65	21.55	
3	QPSK	15	0	21.32	21.58	21.48	
3	16QAM	1	0	21.25	21.51	21.41	23
3	16QAM	1	8	21.19	21.45	21.35	
3	16QAM	1	14	21.14	21.40	21.30	
3	16QAM	8	0	21.09	21.35	21.25	22
3	16QAM	8	4	21.04	21.30	21.20	

3	16QAM	8	7	20.99	21.25	21.15	22
3	16QAM	15	0	20.94	21.20	21.10	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.87	22.92	22.84	24
1.4	QPSK	1	3	22.78	22.80	22.71	
1.4	QPSK	1	5	22.43	22.63	22.58	
1.4	QPSK	3	0	21.37	21.63	21.53	
1.4	QPSK	3	1	21.23	21.52	21.33	
1.4	QPSK	3	3	21.30	21.56	21.46	
1.4	QPSK	6	0	21.23	21.49	21.39	23
1.4	16QAM	1	0	21.16	21.42	21.32	23
1.4	16QAM	1	3	21.10	21.36	21.26	
1.4	16QAM	1	5	21.05	21.31	21.21	
1.4	16QAM	3	0	21.00	21.26	21.16	
1.4	16QAM	3	1	20.95	21.21	21.11	
1.4	16QAM	3	3	20.90	21.16	21.06	
1.4	16QAM	6	0	20.85	21.11	21.01	22

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	-5.98
	CH 19	2440	-6.43
	CH 39	2480	-7.13
Tune-up Limit			-5.5
Duty Cycle %			80.29