



REPORT No. : SZ21070268S01

Annex E Conducted Reduction Power

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		26.19	26.21	26.14	27.00	17.19	17.21	17.14	18.00
GPRS 1 Tx slot		26.20	26.22	26.14	27.00	17.20	17.22	17.14	18.00
GPRS 2 Tx slots		23.91	23.81	23.63	24.50	17.91	17.81	17.63	18.50
GPRS 3 Tx slots		22.32	22.36	22.24	23.00	18.06	18.10	17.98	18.74
GPRS 4 Tx slots		20.18	20.14	20.16	21.00	17.18	17.14	17.16	18.00
EDGE 1 Tx slot		21.62	21.63	21.57	22.00	12.62	12.63	12.57	13.00
EDGE 2 Tx slots		20.62	20.51	20.42	21.00	14.62	14.51	14.42	15.00
EDGE 3 Tx slots		19.62	19.47	19.52	20.00	15.36	15.21	15.26	15.74
EDGE 4 Tx slots		17.25	17.26	17.32	18.00	14.25	14.26	14.32	15.00

Band		WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
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	19.21	19.24	19.15	20.00	18.31	18.34	18.29	19.00
3GPP Rel 6	HSDPA Subtest-1	19.11	19.03	18.95	20.00	17.08	17.13	17.13	18.00
3GPP Rel 6	HSDPA Subtest-2	19.14	19.08	18.99	20.00	17.62	17.67	17.64	18.00
3GPP Rel 6	HSDPA Subtest-3	19.20	19.12	19.11	20.00	17.59	17.65	17.61	18.00
3GPP Rel 6	HSDPA Subtest-4	18.98	19.21	19.21	20.00	17.64	17.68	17.64	18.00
3GPP Rel 6	HSUPA Subtest-1	19.07	19.14	19.11	20.00	18.19	18.16	18.13	19.00
3GPP Rel 6	HSUPA Subtest-2	19.03	19.12	19.04	20.00	18.14	18.09	18.10	19.00
3GPP Rel 6	HSUPA Subtest-3	19.00	19.07	18.99	20.00	18.13	18.12	18.08	19.00
3GPP Rel 6	HSUPA Subtest-4	19.05	19.15	19.13	20.00	18.16	18.09	18.11	19.00
3GPP Rel 6	HSUPA Subtest-5	19.02	19.10	19.06	20.00	18.15	18.12	18.10	19.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.02	19.08	19.04	20.00	18.11	18.14	18.05	19.00

LTE Band 2							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	19
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	18.51	18.64	18.50	19
20	QPSK	1	49	18.29	18.45	18.32	
20	QPSK	1	99	18.43	18.41	18.51	
20	QPSK	50	0	17.69	17.73	17.58	18
20	QPSK	50	24	17.49	17.71	17.70	
20	QPSK	50	50	17.66	17.57	17.72	
20	QPSK	100	0	17.78	17.85	17.65	18
20	16QAM	1	0	18.06	17.70	17.90	
20	16QAM	1	49	17.67	17.64	18.07	
20	16QAM	1	99	17.77	17.86	17.93	18
20	16QAM	50	0	17.57	17.41	17.55	
20	16QAM	50	24	17.46	17.56	17.59	
20	16QAM	50	50	17.45	17.64	17.59	18
20	16QAM	100	0	17.51	17.53	17.61	
Channel				18675	18900	19125	19
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	18.13	18.38	18.19	19
15	QPSK	1	37	18.33	18.45	18.54	
15	QPSK	1	74	18.34	18.39	18.39	
15	QPSK	36	0	17.63	17.74	17.66	18
15	QPSK	36	20	17.64	17.61	17.74	
15	QPSK	36	39	17.63	17.61	17.76	
15	QPSK	75	0	17.41	17.62	17.68	18
15	16QAM	1	0	17.60	17.70	17.90	
15	16QAM	1	37	17.88	17.67	17.83	
15	16QAM	1	74	17.94	17.72	17.79	18
15	16QAM	36	0	17.62	17.74	17.77	
15	16QAM	36	20	17.70	17.73	17.83	
15	16QAM	36	39	17.72	17.90	17.80	18
15	16QAM	75	0	17.78	17.65	17.84	
Channel				18650	18900	19150	19
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	18.44	18.30	18.54	19
10	QPSK	1	25	18.27	18.35	18.54	
10	QPSK	1	49	18.40	18.28	18.35	
10	QPSK	25	0	17.69	17.81	17.63	18
10	QPSK	25	12	17.82	17.94	18.06	
10	QPSK	25	25	17.67	17.94	17.95	
10	QPSK	50	0	17.80	17.81	17.88	18
10	16QAM	1	0	17.91	17.98	17.94	
10	16QAM	1	25	18.21	17.84	17.95	
10	16QAM	1	49	17.90	17.87	18.20	18
10	16QAM	25	0	17.41	17.50	17.55	
10	16QAM	25	12	17.57	17.53	17.60	
10	16QAM	25	25	17.35	17.70	17.69	18
10	16QAM	50	0	17.58	17.48	17.65	
Channel				18625	18900	19175	19
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	18.46	18.57	18.43	19
5	QPSK	1	12	18.34	18.47	18.55	
5	QPSK	1	24	18.45	18.56	18.54	
5	QPSK	12	0	17.91	17.86	17.89	18
5	QPSK	12	7	17.70	17.87	17.86	
5	QPSK	12	13	17.75	17.86	17.81	
5	QPSK	25	0	17.87	17.97	17.83	18
5	16QAM	1	0	17.94	17.98	18.00	
5	16QAM	1	12	18.17	17.97	17.94	
5	16QAM	1	24	18.31	17.94	18.09	18
5	16QAM	12	0	17.52	17.58	17.61	
5	16QAM	12	7	17.44	17.59	17.72	
5	16QAM	12	13	17.51	17.62	17.54	18
5	16QAM	25	0	17.64	17.50	17.65	
Channel				18615	18900	19185	19
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	18.36	18.56	18.61	19
3	QPSK	1	8	18.51	18.44	18.39	
3	QPSK	1	14	18.44	18.44	18.45	
3	QPSK	8	0	17.50	17.44	17.68	18
3	QPSK	8	4	17.43	17.46	17.63	
3	QPSK	8	7	17.64	17.77	17.72	
3	QPSK	15	0	17.61	17.75	17.84	18
3	16QAM	1	0	17.92	17.87	17.94	
3	16QAM	1	8	18.06	17.88	17.98	
3	16QAM	1	14	18.07	17.81	18.23	18
3	16QAM	8	0	17.51	17.52	17.56	
3	16QAM	8	4	17.44	17.60	17.60	
3	16QAM	8	7	17.57	17.62	17.51	18
3	16QAM	15	0	17.43	17.51	17.66	
Channel				18607	18900	19193	19
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	18.60	18.48	18.48	19
1.4	QPSK	1	3	18.44	18.48	18.39	
1.4	QPSK	1	5	18.55	18.48	18.21	
1.4	QPSK	3	0	17.69	17.67	17.68	18
1.4	QPSK	3	1	17.76	17.67	17.63	
1.4	QPSK	3	3	17.70	17.68	17.60	
1.4	QPSK	6	0	17.59	17.65	17.71	18
1.4	16QAM	1	0	18.01	17.87	17.86	
1.4	16QAM	1	3	17.84	17.87	18.18	
1.4	16QAM	1	5	17.97	17.80	18.10	18
1.4	16QAM	3	0	17.43	17.82	17.58	
1.4	16QAM	3	1	17.75	17.82	17.53	
1.4	16QAM	3	3	17.51	17.63	17.57	18
1.4	16QAM	6	0	17.61	17.55	17.67	

LTE Band 4							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	19
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	18.27	18.35	18.29	19
20	QPSK	1	49	18.14	18.05	18.15	
20	QPSK	1	99	17.94	18.07	18.03	
20	QPSK	50	0	17.46	17.62	17.42	18
20	QPSK	50	24	17.25	17.22	17.36	
20	QPSK	50	50	17.24	17.17	17.26	
20	QPSK	100	0	17.51	17.52	17.26	18
20	16QAM	1	0	17.25	17.23	17.23	
20	16QAM	1	49	17.27	17.16	17.24	
20	16QAM	1	99	17.13	16.98	17.13	18
20	16QAM	50	0	17.05	17.23	17.12	
20	16QAM	50	24	17.10	17.05	17.18	
20	16QAM	50	50	17.04	17.09	17.51	18
20	16QAM	100	0	17.12	17.20	17.20	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	19
15	QPSK	1	0	18.19	17.96	18.05	
15	QPSK	1	37	18.10	17.96	18.00	
15	QPSK	1	74	17.95	17.99	18.07	18
15	QPSK	36	0	17.11	17.17	17.26	
15	QPSK	36	20	17.20	17.16	17.45	
15	QPSK	36	39	17.20	17.26	17.21	18
15	QPSK	75	0	17.13	17.19	17.34	
15	16QAM	1	0	17.20	17.45	17.38	
15	16QAM	1	37	17.39	17.37	17.48	18
15	16QAM	1	74	17.16	17.59	17.46	
15	16QAM	36	0	17.00	16.99	16.99	
15	16QAM	36	20	17.01	17.14	17.20	18
15	16QAM	36	39	17.13	17.03	17.37	
15	16QAM	75	0	17.03	17.22	17.19	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	19
10	QPSK	1	0	17.89	17.95	17.92	
10	QPSK	1	25	17.82	17.99	17.96	
10	QPSK	1	49	17.73	17.91	17.91	18
10	QPSK	25	0	17.10	17.36	17.33	
10	QPSK	25	12	17.17	17.23	17.38	
10	QPSK	25	25	17.28	17.32	17.14	18
10	QPSK	50	0	17.03	17.17	17.21	
10	16QAM	1	0	17.57	17.45	17.35	
10	16QAM	1	25	17.38	17.41	17.49	18
10	16QAM	1	49	17.64	17.27	17.35	
10	16QAM	25	0	17.10	17.13	17.19	
10	16QAM	25	12	17.00	17.11	17.19	18
10	16QAM	25	25	17.34	17.10	17.24	
10	16QAM	50	0	17.04	17.11	17.23	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	19
5	QPSK	1	0	18.02	18.20	17.83	
5	QPSK	1	12	17.98	17.97	17.98	
5	QPSK	1	24	18.01	18.04	18.06	18
5	QPSK	12	0	17.23	17.38	17.28	
5	QPSK	12	7	17.27	17.29	17.33	
5	QPSK	12	13	17.18	17.26	17.23	18
5	QPSK	25	0	16.92	16.98	17.02	
5	16QAM	1	0	17.29	17.71	17.45	
5	16QAM	1	12	17.35	17.69	17.38	18
5	16QAM	1	24	17.45	17.25	17.58	
5	16QAM	12	0	17.17	17.21	17.15	
5	16QAM	12	7	17.00	17.09	17.15	18
5	16QAM	12	13	17.25	17.11	17.27	
5	16QAM	25	0	17.09	17.09	17.19	
Channel				19985	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	19
3	QPSK	1	0	17.91	17.99	17.92	
3	QPSK	1	8	17.83	17.96	17.94	
3	QPSK	1	14	17.84	17.62	18.03	18
3	QPSK	8	0	17.29	17.21	17.30	
3	QPSK	8	4	17.24	17.21	17.35	
3	QPSK	8	7	17.23	17.16	17.25	18
3	QPSK	15	0	17.45	17.35	17.04	
3	16QAM	1	0	17.47	17.45	17.38	
3	16QAM	1	8	17.38	17.35	17.45	18
3	16QAM	1	14	17.45	17.20	17.35	
3	16QAM	8	0	17.27	17.45	17.34	
3	16QAM	8	4	17.32	17.27	17.40	18
3	16QAM	8	7	17.26	17.31	17.73	
3	16QAM	15	0	17.34	17.42	17.42	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	19
1.4	QPSK	1	0	17.95	18.03	17.96	
1.4	QPSK	1	3	17.87	18.00	17.98	
1.4	QPSK	1	5	17.88	17.98	17.95	18
1.4	QPSK	3	0	17.96	17.88	17.97	
1.4	QPSK	3	1	18.12	18.09	18.09	
1.4	QPSK	3	3	18.11	18.04	18.13	18
1.4	QPSK	6	0	17.49	17.39	17.08	
1.4	16QAM	1	0	17.51	17.49	17.42	
1.4	16QAM	1	3	17.42	17.39	17.49	18
1.4	16QAM	1	5	17.49	17.24	17.39	
1.4	16QAM	3	0	17.10	17.28	17.17	
1.4	16QAM	3	1	17.15	17.10	17.23	18
1.4	16QAM	3	3	17.09	17.14	17.38	
1.4	16QAM	6	0	17.17	17.25	17.25	

LTE Band 7

BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	19.31	19.35	19.32	20
20	QPSK	1	49	19.29	19.25	19.26	
20	QPSK	1	99	19.30	19.22	19.27	
20	QPSK	50	0	18.44	18.56	18.46	19
20	QPSK	50	24	18.52	18.42	18.48	
20	QPSK	50	50	18.45	18.33	18.48	
20	QPSK	100	0	18.46	18.45	18.28	
20	16QAM	1	0	18.57	18.38	18.58	19
20	16QAM	1	49	18.25	18.48	18.33	
20	16QAM	1	99	18.16	18.53	18.23	
20	16QAM	50	0	18.52	18.75	18.34	19
20	16QAM	50	24	18.63	18.31	18.35	
20	16QAM	50	50	18.65	18.34	18.37	
20	16QAM	100	0	18.30	18.36	18.61	
Channel				20925	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	19.24	19.27	19.23	20
15	QPSK	1	37	19.27	19.29	19.32	
15	QPSK	1	74	19.32	19.27	19.26	
15	QPSK	36	0	18.55	18.46	18.20	19
15	QPSK	36	20	18.43	18.44	18.48	
15	QPSK	36	39	18.59	18.23	18.61	
15	QPSK	75	0	18.48	18.51	18.62	
15	16QAM	1	0	18.54	18.45	18.33	19
15	16QAM	1	37	18.56	18.75	18.33	
15	16QAM	1	74	18.53	18.46	18.46	
15	16QAM	36	0	18.12	18.27	18.27	19
15	16QAM	36	20	18.40	18.23	18.37	
15	16QAM	36	39	18.16	18.19	18.26	
15	16QAM	75	0	18.33	18.32	18.26	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	19.21	19.22	19.24	20
10	QPSK	1	25	19.23	19.23	19.23	
10	QPSK	1	49	19.15	19.25	19.25	
10	QPSK	25	0	18.61	18.37	18.29	19
10	QPSK	25	12	18.45	18.38	18.41	
10	QPSK	25	25	18.36	18.36	18.47	
10	QPSK	50	0	18.46	18.18	18.47	
10	16QAM	1	0	18.65	18.71	18.75	19
10	16QAM	1	25	18.49	18.63	18.75	
10	16QAM	1	49	18.56	18.36	18.77	
10	16QAM	25	0	18.58	18.33	18.26	19
10	16QAM	25	12	18.41	18.22	18.33	
10	16QAM	25	25	18.47	18.35	18.35	
10	16QAM	50	0	18.48	18.37	18.33	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	19.23	19.19	19.28	20
5	QPSK	1	12	19.24	19.21	19.12	
5	QPSK	1	24	19.27	19.16	19.17	
5	QPSK	12	0	18.57	18.31	18.25	19
5	QPSK	12	7	18.46	18.30	18.42	
5	QPSK	12	13	18.53	18.49	18.26	
5	QPSK	25	0	18.62	18.32	18.27	
5	16QAM	1	0	18.57	18.51	18.46	19
5	16QAM	1	12	18.46	18.23	18.54	
5	16QAM	1	24	18.55	18.53	18.41	
5	16QAM	12	0	18.44	18.72	18.56	19
5	16QAM	12	7	18.53	18.57	18.52	
5	16QAM	12	13	18.47	18.69	18.64	
5	16QAM	25	0	18.42	18.59	18.71	