



REPORT No. : SZ21040089S01

Annex E Conducted Power

GSM850 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.37	32.30	32.53	33.00	23.37	23.30	23.53	24.00
GPRS 1 Tx slot	32.39	32.30	32.54	33.00	23.39	23.30	23.54	24.00
GPRS 2 Tx slots	30.87	31.04	31.03	31.50	24.87	25.04	25.03	25.50
GPRS 3 Tx slots	29.38	29.45	29.39	30.00	25.12	25.19	25.13	25.74
GPRS 4 Tx slots	28.03	28.03	28.13	28.50	25.03	25.03	25.13	25.50
EDGE 1 Tx slot	26.18	26.20	26.07	26.50	17.18	17.20	17.07	17.50
EDGE 2 Tx slots	25.57	25.71	25.55	26.00	19.57	19.71	19.55	20.00
EDGE 3 Tx slots	23.90	23.97	23.76	24.50	19.64	19.71	19.50	20.24
EDGE 4 Tx slots	22.72	22.32	22.54	23.50	19.72	19.32	19.54	20.50

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.01	28.83	28.82	29.50	20.01	19.83	19.82	20.50
GPRS 1 Tx slot	29.04	28.84	28.83	29.50	20.04	19.84	19.83	20.50
GPRS 2 Tx slots	28.65	28.41	28.35	29.00	22.65	22.41	22.35	23.00
GPRS 3 Tx slots	27.15	26.83	26.79	27.50	22.89	22.57	22.53	23.24
GPRS 4 Tx slots	26.20	26.32	26.25	27.00	23.20	23.32	23.25	24.00
EDGE 1 Tx slot	25.91	25.45	25.44	26.00	16.91	16.45	16.44	17.00
EDGE 2 Tx slots	25.22	24.91	24.82	25.50	19.22	18.91	18.82	19.50
EDGE 3 Tx slots	23.40	23.01	22.99	24.00	19.14	18.75	18.73	19.74
EDGE 4 Tx slots	22.09	21.81	21.89	22.50	19.09	18.81	18.89	19.50

Band	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	WCDMA Band V			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	23.17	23.01	23.13	23.50	23.06	23.17	23.02	23.50	23.14	23.21	23.20	24.00
3GPP Rel 6 HSDPA Subtest-1	22.80	22.65	22.77	23.00	21.86	22.09	21.90	22.50	22.45	22.33	22.40	23.00
3GPP Rel 6 HSDPA Subtest-2	22.87	22.70	22.81	23.00	22.00	22.15	21.99	22.50	22.48	22.43	22.43	23.00
3GPP Rel 6 HSDPA Subtest-3	22.40	22.31	22.32	23.00	21.51	21.66	21.49	22.00	21.90	21.95	21.93	22.50
3GPP Rel 6 HSDPA Subtest-4	22.08	22.33	22.33	23.00	21.53	21.66	21.50	22.00	21.91	21.85	21.95	22.50
3GPP Rel 8 DC-HSDPA Subtest-1	22.68	22.59	22.61	23.00	21.84	21.95	21.88	22.50	22.34	22.33	22.41	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	22.72	22.74	22.62	23.00	21.99	22.09	22.02	22.50	22.48	22.36	22.42	22.50
3GPP Rel 8 DC-HSDPA Subtest-3	22.20	22.24	22.22	23.00	21.47	21.58	21.50	22.50	21.95	21.83	21.99	23.00
3GPP Rel 8 DC-HSDPA Subtest-4	22.21	22.24	22.23	23.00	21.47	21.59	21.50	22.50	21.96	21.84	21.99	23.00
3GPP Rel 6 HSUPA Subtest-1	22.79	22.77	22.85	23.00	22.03	22.04	21.94	22.50	21.41	22.38	22.41	23.00
3GPP Rel 6 HSUPA Subtest-2	22.21	22.22	22.31	23.00	21.50	21.57	21.51	22.50	21.85	21.83	21.91	23.00
3GPP Rel 6 HSUPA Subtest-3	22.93	22.82	22.79	23.00	22.06	22.17	22.10	22.50	22.44	22.39	22.42	23.00
3GPP Rel 6 HSUPA Subtest-4	22.70	22.73	22.71	23.00	21.97	22.08	21.99	22.50	22.35	22.30	22.37	23.00
3GPP Rel 6 HSUPA Subtest-5	22.78	22.79	22.86	22.50	22.02	22.15	22.08	22.00	22.40	22.37	22.47	22.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-	22.69	22.75	22.76	23.00	21.93	22.11	21.96	23.00	22.33	22.33	22.41	23.00

Band	CDMA2000 BC0			Tune-up Limit (dBm)
TX Channel	1013	384	777	
Frequency (MHz)	824.7	836.52	848.31	
RC1 SO55	22.94	22.95	22.81	23.50
RC3 SO55	23.00	22.92	22.88	23.50
RC3 SO32 (F+SCH)	22.91	22.94	22.87	23.50
RC3 SO32 (+SCH)	22.89	22.91	22.83	23.50
RTAP 153.6Kbps	22.91	23.01	22.88	23.50
RETAP 4096Bits	22.50	22.72	22.57	23.50

LTE Band 12

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	22.44	22.51	22.46	23
10	QPSK	1	25	22.38	22.40	22.41	
10	QPSK	1	49	22.26	22.23	22.30	
10	QPSK	25	0	21.46	21.49	21.40	
10	QPSK	25	12	21.43	21.47	21.45	22
10	QPSK	25	25	21.40	21.42	21.34	
10	QPSK	50	0	21.34	21.36	21.30	
10	16QAM	1	0	21.45	21.48	21.44	22
10	16QAM	1	25	21.39	21.35	21.30	
10	16QAM	1	49	21.30	21.25	21.26	
10	16QAM	25	0	20.46	20.53	20.43	21
10	16QAM	25	12	20.50	20.42	20.39	
10	16QAM	25	25	20.35	20.33	20.28	
10	16QAM	50	0	20.30	20.27	20.21	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.32	22.39	22.34	23
5	QPSK	1	12	22.26	22.28	22.29	
5	QPSK	1	24	22.14	22.11	22.18	
5	QPSK	12	0	21.34	21.37	21.28	22
5	QPSK	12	7	21.31	21.35	21.33	
5	QPSK	12	13	21.28	21.30	21.22	
5	QPSK	25	0	21.22	21.24	21.18	22
5	16QAM	1	0	21.33	21.40	21.32	
5	16QAM	1	12	21.27	21.23	21.18	
5	16QAM	1	24	21.18	21.13	21.14	21
5	16QAM	12	0	20.34	20.41	20.31	
5	16QAM	12	7	20.38	20.30	20.27	
5	16QAM	12	13	20.23	20.21	20.16	
5	16QAM	25	0	20.18	20.15	20.09	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.21	22.28	22.23	23
3	QPSK	1	8	22.15	22.17	22.18	
3	QPSK	1	14	22.03	22.00	22.07	
3	QPSK	8	0	21.23	21.26	21.17	22
3	QPSK	8	4	21.20	21.24	21.22	
3	QPSK	8	7	21.17	21.19	21.11	
3	QPSK	15	0	21.11	21.13	21.07	22
3	16QAM	1	0	21.22	21.29	21.21	
3	16QAM	1	8	21.16	21.12	21.07	
3	16QAM	1	14	21.07	21.02	21.03	21
3	16QAM	8	0	20.23	20.30	20.20	
3	16QAM	8	4	20.27	20.19	20.16	
3	16QAM	8	7	20.12	20.10	20.05	
3	16QAM	15	0	20.07	20.04	19.98	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.12	22.19	22.14	22.5
1.4	QPSK	1	3	22.06	22.08	22.09	
1.4	QPSK	1	5	21.94	21.91	21.98	
1.4	QPSK	3	0	21.14	21.17	21.08	
1.4	QPSK	3	1	21.11	21.15	21.13	
1.4	QPSK	3	3	21.08	21.10	21.02	
1.4	QPSK	6	0	21.02	21.04	20.98	21.5
1.4	16QAM	1	0	21.13	21.20	21.12	
1.4	16QAM	1	3	21.07	21.03	20.98	
1.4	16QAM	1	5	20.98	20.93	20.94	
1.4	16QAM	3	0	20.14	20.21	20.11	
1.4	16QAM	3	1	20.18	20.10	20.07	
1.4	16QAM	3	3	20.03	20.01	19.96	
1.4	16QAM	6	0	19.98	19.95	19.89	20.5

LTE Band 13

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0	22.65			23
10	QPSK	1	25	22.56			
10	QPSK	1	49	22.32			
10	QPSK	25	0	21.49			
10	QPSK	25	12	21.51			22
10	QPSK	25	25	21.40			
10	QPSK	50	0	21.52			
10	16QAM	1	0	21.78			22
10	16QAM	1	25	21.67			
10	16QAM	1	49	21.54			
10	16QAM	25	0	20.40			21
10	16QAM	25	12	20.60			
10	16QAM	25	25	20.55			
10	16QAM	50	0	20.59			
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	22.40	22.47	22.42	23
5	QPSK	1	12	22.34	22.36	22.37	
5	QPSK	1	24	22.22	22.19	22.26	
5	QPSK	12	0	21.42	21.45	21.36	22
5	QPSK	12	7	21.39	21.43	21.41	
5	QPSK	12	13	21.36	21.38	21.30	
5	QPSK	25	0	21.30	21.32	21.26	22
5	16QAM	1	0	21.41	21.48	21.40	
5	16QAM	1	12	21.35	21.31	21.26	
5	16QAM	1	24	21.26	21.21	21.22	21
5	16QAM	12	0	20.42	20.49	20.39	
5	16QAM	12	7	20.46	20.38	20.35	
5	16QAM	12	13	20.31	20.29	20.24	
5	16QAM	25	0	20.26	20.23	20.17	

LTE Band 17

Channel	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)			
Channel	23780	23790	23800				
Frequency (MHz)	709	710	711				
10	QPSK	1	0	22.47	22.56	22.46	23
10	QPSK	1	25	22.41	22.50	22.42	
10	QPSK	1	49	22.32	22.42	22.35	
10	QPSK	25	0	21.51	21.55	21.46	
10	QPSK	25	12	21.44	21.50	21.39	22
10	QPSK	25	25	21.41	21.46	21.40	
10	QPSK	50	0	21.39	21.40	21.34	
10	16QAM	1	0	21.35	21.44	21.39	22
10	16QAM	1	25	21.30	21.38	21.35	
10	16QAM	1	49	21.20	21.30	21.26	
10	16QAM	25	0	20.72	20.60	20.70	
10	16QAM	25	12	20.66	20.64	20.61	21
10	16QAM	25	25	20.52	20.60	20.53	
10	16QAM	50	0	20.55	20.62	20.48	
Channel	23755	23790	23825	Tune-up limit (dBm)			
Frequency (MHz)	706.5	710	713.5				
5	QPSK	1	0	22.36	22.45	22.35	23
5	QPSK	1	12	22.30	22.39	22.31	
5	QPSK	1	24	22.21	22.31	22.24	
5	QPSK	12	0	21.40	21.44	21.35	22
5	QPSK	12	7	21.33	21.39	21.28	
5	QPSK	12	13	21.30	21.35	21.29	
5	QPSK	25	0	21.28	21.29	21.23	
5	16QAM	1	0	21.24	21.33	21.28	22
5	16QAM	1	12	21.19	21.27	21.24	
5	16QAM	1	24	21.09	21.19	21.15	
5	16QAM	12	0	20.61	20.49	20.59	
5	16QAM	12	7	20.55	20.53	20.50	
5	16QAM	12	13	20.41	20.49	20.42	
5	16QAM	25	0	20.44	20.51	20.37	

LTE Band 38

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.80	21.89	21.87	22.5
20	QPSK	1	49	21.72	21.69	21.76	
20	QPSK	1	99	20.63	21.70	21.66	
20	QPSK	50	0	20.80	20.92	20.88	21.5
20	QPSK	50	24	20.81	20.76	20.72	
20	QPSK	50	50	20.80	20.66	20.63	
20	QPSK	100	0	20.77	20.62	20.56	21.5
20	16QAM	1	0	21.08	20.96	21.00	
20	16QAM	1	49	20.90	20.78	20.89	
20	16QAM	1	99	20.99	20.81	20.83	20.5
20	16QAM	50	0	19.79	19.70	19.68	
20	16QAM	50	24	19.72	19.63	19.71	
20	16QAM	50	50	19.61	19.56	19.58	20.5
20	16QAM	100	0	19.65	19.60	19.55	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.77	21.68	21.75	22.5
15	QPSK	1	37	21.57	21.60	21.64	
15	QPSK	1	74	21.58	20.51	21.54	
15	QPSK	36	0	20.80	20.68	20.76	21.5
15	QPSK	36	20	20.69	20.64	20.60	
15	QPSK	36	39	20.68	20.54	20.51	
15	QPSK	75	0	20.65	20.50	20.44	21.5
15	16QAM	1	0	20.96	20.84	20.88	
15	16QAM	1	37	20.78	20.66	20.77	
15	16QAM	1	74	20.87	20.69	20.71	20.5
15	16QAM	36	0	19.67	19.58	19.56	
15	16QAM	36	20	19.60	19.51	19.59	
15	16QAM	36	39	19.49	19.44	19.46	20.5
15	16QAM	75	0	19.53	19.48	19.43	
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.66	21.57	21.64	22
10	QPSK	1	25	21.46	21.49	21.53	
10	QPSK	1	49	21.47	20.40	21.43	
10	QPSK	25	0	20.69	20.57	20.65	21
10	QPSK	25	12	20.58	20.53	20.49	
10	QPSK	25	25	20.57	20.43	20.40	
10	QPSK	50	0	20.54	20.39	20.33	21
10	16QAM	1	0	20.85	20.73	20.77	
10	16QAM	1	25	20.67	20.55	20.66	
10	16QAM	1	49	20.76	20.58	20.60	20
10	16QAM	25	0	19.56	19.47	19.45	
10	16QAM	25	12	19.49	19.40	19.48	
10	16QAM	25	25	19.38	19.33	19.35	20
10	16QAM	50	0	19.42	19.37	19.32	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.57	21.48	21.55	22
5	QPSK	1	12	21.37	21.40	21.44	
5	QPSK	1	24	21.38	20.31	21.34	
5	QPSK	12	0	20.60	20.48	20.56	21
5	QPSK	12	7	20.49	20.44	20.40	
5	QPSK	12	13	20.48	20.34	20.31	
5	QPSK	25	0	20.45	20.30	20.24	21
5	16QAM	1	0	20.76	20.64	20.68	
5	16QAM	1	12	20.58	20.46	20.57	
5	16QAM	1	24	20.67	20.49	20.51	20
5	16QAM	12	0	19.47	19.38	19.36	
5	16QAM	12	7	19.40	19.31	19.39	
5	16QAM	12	13	19.29	19.24	19.26	20
5	16QAM	25	0	19.33	19.28	19.23	

LTE Band 40A

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			
Frequency (MHz)				2310			
10	QPSK	1	0	22.96			23.5
10	QPSK	1	25	22.86			
10	QPSK	1	49	22.65			
10	QPSK	25	0	21.98			22.5
10	QPSK	25	12	21.84			
10	QPSK	25	25	21.68			
10	QPSK	50	0	22.15			22.5
10	16QAM	1	0	21.95			
10	16QAM	1	25	21.75			
10	16QAM	1	49	21.63			21.5
10	16QAM	25	0	20.94			
10	16QAM	25	12	20.90			
10	16QAM	25	25	20.76			21.5
10	16QAM	50	0	20.62			
Channel				38725	38750	38775	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.82	22.90	22.75	23.5
5	QPSK	1	12	22.77	22.78	22.70	
5	QPSK	1	24	22.60	22.63	22.62	
5	QPSK	12	0	21.92	21.80	21.88	22.5
5	QPSK	12	7	21.81	21.76	21.72	
5	QPSK	12	13	21.80	21.66	21.63	
5	QPSK	25	0	21.77	21.62	21.56	22.5
5	16QAM	1	0	22.08	21.96	22.00	
5	16QAM	1	12	21.90	21.78	21.89	
5	16QAM	1	24	21.99	21.81	21.83	21.5
5	16QAM	12	0	20.79	20.70	20.68	
5	16QAM	12	7	20.72	20.63	20.71	
5	16QAM	12	13	20.61	20.56	20.58	21.5
5	16QAM	25	0	20.65	20.60	20.55	

