



REPORT No.: SZ210500089S01

Annex E2 Conducted Reduced Power

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
TX Channel	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	17.55	17.53	17.53	18.00	8.55	8.53	8.53	9.00	0.15
GPRS 1 Tx slot	17.45	17.41	17.40	18.00	8.45	8.41	8.40	9.00	
GPRS 2 Tx slots	16.72	16.67	16.72	17.50	10.72	10.67	10.72	11.50	0.05
GPRS 3 Tx slots	15.78	15.81	15.75	16.50	11.52	11.55	11.49	12.24	0.06
GPRS 4 Tx slots	14.33	14.34	14.26	15.00	11.33	11.34	11.26	12.00	0.08
EDGE 1 Tx slot	10.76	10.72	10.55	11.50	1.76	1.72	1.55	2.50	0.21
EDGE 2 Tx slots	10.30	10.11	10.12	11.00	4.30	4.11	4.12	5.00	0.19
EDGE 3 Tx slots	8.58	8.48	8.10	9.00	4.32	4.22	3.84	4.74	0.48
EDGE 4 Tx slots	5.45	5.65	5.40	6.00	2.45	2.65	2.40	3.00	0.25

LTE Band 2							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	14.5
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	13.93	14.03	13.80	14.5
20	QPSK	1	49	13.73	13.59	13.66	
20	QPSK	1	99	13.82	13.56	13.66	
20	QPSK	50	0	12.65	12.76	12.43	13.5
20	QPSK	50	24	12.68	12.61	12.55	
20	QPSK	50	50	12.63	12.59	12.36	
20	QPSK	100	0	12.62	12.74	12.48	14
20	16QAM	1	0	13.42	13.26	13.36	
20	16QAM	1	49	13.19	12.99	12.98	
20	16QAM	1	99	13.15	13.01	13.18	12.5
20	16QAM	50	0	11.69	11.72	11.61	
20	16QAM	50	24	11.71	11.81	11.52	
20	16QAM	50	50	11.76	11.75	11.47	13.5
20	16QAM	100	0	11.75	11.86	11.66	
20	64QAM	1	0	12.94	13.08	12.92	
20	64QAM	1	49	12.82	12.61	12.59	12.5
20	64QAM	1	99	12.83	12.69	12.62	
20	64QAM	50	0	11.82	12.10	11.66	
20	64QAM	50	24	11.98	11.84	11.62	12.5
20	64QAM	50	50	11.77	11.68	11.97	
20	64QAM	100	0	11.78	11.72	11.64	
Channel				18675	18900	19125	14.5
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	13.56	13.71	13.40	13.5
15	QPSK	1	37	13.58	13.42	13.26	
15	QPSK	1	74	13.51	13.32	13.23	
15	QPSK	36	0	12.61	12.76	12.48	14
15	QPSK	36	20	12.68	12.60	12.51	
15	QPSK	36	39	12.67	12.72	12.31	
15	QPSK	75	0	12.73	12.74	12.38	12.5
15	16QAM	1	0	13.38	13.34	12.94	
15	16QAM	1	37	13.13	13.05	12.97	
15	16QAM	1	74	13.17	13.33	13.17	13.5
15	16QAM	36	0	11.53	11.76	11.58	
15	16QAM	36	20	11.76	11.45	11.57	
15	16QAM	36	39	11.69	11.52	11.62	12.5
15	16QAM	75	0	11.88	11.64	11.64	
15	64QAM	1	0	12.79	12.66	12.33	
15	64QAM	1	37	12.75	12.67	12.57	12.5
15	64QAM	1	74	12.76	12.67	12.35	
15	64QAM	36	0	11.76	11.77	11.72	
15	64QAM	36	20	11.79	11.65	11.54	12.5
15	64QAM	36	39	11.73	11.64	11.40	
15	64QAM	75	0	11.89	11.56	11.69	
Channel				18650	18900	19150	14.5
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	13.79	13.83	13.53	13.5
10	QPSK	1	25	13.68	13.58	13.36	
10	QPSK	1	49	13.65	13.57	13.44	
10	QPSK	25	0	12.55	12.76	12.34	14
10	QPSK	25	12	12.78	12.51	12.35	
10	QPSK	25	25	12.75	12.49	12.36	
10	QPSK	50	0	12.40	12.72	12.41	12.5
10	16QAM	1	0	13.11	13.15	12.77	
10	16QAM	1	25	13.04	13.03	12.99	
10	16QAM	1	49	13.07	12.75	12.74	13.5
10	16QAM	25	0	11.69	11.92	11.66	
10	16QAM	25	12	11.93	11.79	11.67	
10	16QAM	25	25	11.99	11.74	11.73	12.5
10	16QAM	50	0	11.65	11.75	11.43	
10	64QAM	1	0	12.77	12.78	12.67	
10	64QAM	1	25	12.95	12.90	13.00	12.5
10	64QAM	1	49	12.89	13.02	12.68	
10	64QAM	25	0	11.90	11.99	11.60	
10	64QAM	25	12	11.89	11.80	11.51	12.5
10	64QAM	25	25	11.99	11.80	11.70	
10	64QAM	50	0	11.72	11.73	11.56	
Channel				18625	18900	19175	14.5
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	13.73	13.76	13.75	13.5
5	QPSK	1	12	13.66	13.59	13.52	
5	QPSK	1	24	13.70	13.58	13.39	
5	QPSK	12	0	12.73	12.74	12.37	14
5	QPSK	12	7	12.66	12.61	12.40	
5	QPSK	12	13	12.70	12.48	12.29	
5	QPSK	25	0	12.61	12.72	12.28	12.5
5	16QAM	1	0	13.35	13.39	12.96	
5	16QAM	1	12	13.34	13.16	12.89	
5	16QAM	1	24	13.16	12.89	12.90	13.5
5	16QAM	12	0	11.77	11.79	11.47	
5	16QAM	12	7	11.79	11.69	11.53	
5	16QAM	12	13	11.82	11.76	11.38	12.5
5	16QAM	25	0	11.99	12.04	11.58	
5	64QAM	1	0	12.97	12.99	12.72	
5	64QAM	1	12	12.78	12.51	12.54	12.5
5	64QAM	1	24	12.74	12.55	12.52	
5	64QAM	12	0	11.72	11.89	11.60	
5	64QAM	12	7	11.67	11.78	11.52	13.5
5	64QAM	12	13	11.82	11.90	11.57	
5	64QAM	25	0	11.70	11.81	11.60	
Channel				18615	18900	19185	14.5
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	13.50	13.66	13.21	13.5
3	QPSK	1	8	13.61	13.52	13.35	
3	QPSK	1	14	13.62	13.43	13.21	
3	QPSK	8	0	12.66	12.68	12.36	13.5
3	QPSK	8	4	12.60	12.58	12.32	
3	QPSK	8	7	12.76	12.56	12.33	

LTE Band 7							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	12
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	11.11	11.30	11.14	11
20	QPSK	1	49	10.92	11.11	11.10	
20	QPSK	1	99	11.09	11.11	11.24	
20	QPSK	50	0	10.09	10.28	10.17	11
20	QPSK	50	24	10.12	10.25	9.74	
20	QPSK	50	50	10.16	10.13	10.22	
20	QPSK	100	0	10.17	10.24	10.13	11.5
20	16QAM	1	0	10.85	11.01	10.84	
20	16QAM	1	49	10.86	10.82	10.77	
20	16QAM	1	99	10.78	10.59	10.90	10
20	16QAM	50	0	9.32	9.35	9.30	
20	16QAM	50	24	9.20	9.43	9.30	
20	16QAM	50	50	9.30	9.33	9.37	11
20	16QAM	100	0	9.13	9.27	9.23	
20	64QAM	1	0	10.22	10.57	10.47	
20	64QAM	1	49	10.13	10.25	10.38	10
20	64QAM	1	99	10.41	10.53	10.40	
20	64QAM	50	0	9.39	9.41	9.29	
20	64QAM	50	24	9.20	9.13	9.28	11
20	64QAM	50	50	9.28	9.27	9.34	
20	64QAM	100	0	9.18	9.28	9.52	
Channel				20825	21100	21375	12
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	11.05	11.25	11.01	11
15	QPSK	1	37	11.09	11.10	11.16	
15	QPSK	1	74	11.10	11.06	10.88	
15	QPSK	36	0	10.15	10.29	10.17	11.5
15	QPSK	36	20	10.20	10.21	10.20	
15	QPSK	36	39	10.23	10.29	10.18	
15	QPSK	75	0	10.10	10.04	10.24	10
15	16QAM	1	0	10.82	10.92	10.75	
15	16QAM	1	37	10.99	10.65	10.83	
15	16QAM	1	74	10.66	10.77	10.91	11
15	16QAM	36	0	9.25	9.27	9.23	
15	16QAM	36	20	9.20	9.25	9.31	
15	16QAM	36	39	9.22	9.14	9.25	10
15	16QAM	75	0	9.29	9.49	9.45	
15	64QAM	1	0	10.32	10.47	10.46	
15	64QAM	1	37	10.19	10.44	10.12	11
15	64QAM	1	74	10.35	10.42	10.45	
15	64QAM	36	0	9.54	9.64	9.41	
15	64QAM	36	20	9.27	9.27	9.48	10
15	64QAM	36	39	9.47	9.15	9.41	
15	64QAM	75	0	9.29	9.27	9.43	
Channel				20800	21100	21400	12
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	10.93	11.16	11.00	11
10	QPSK	1	25	11.00	11.02	11.04	
10	QPSK	1	49	10.95	10.98	11.11	
10	QPSK	25	0	10.23	10.38	10.30	11.5
10	QPSK	25	12	10.07	10.07	10.28	
10	QPSK	25	25	10.12	10.12	10.27	
10	QPSK	50	0	10.44	10.10	10.22	10
10	16QAM	1	0	10.80	10.83	10.77	
10	16QAM	1	25	11.01	10.66	10.76	11
10	16QAM	1	49	10.71	11.02	10.73	
10	16QAM	25	0	9.21	9.44	9.60	
10	16QAM	25	12	9.37	9.30	9.63	10
10	16QAM	25	25	9.22	9.22	9.71	
10	16QAM	50	0	9.39	9.30	9.49	
10	64QAM	1	0	10.19	10.40	10.37	11
10	64QAM	1	25	10.31	9.99	10.41	
10	64QAM	1	49	10.36	10.42	10.48	
10	64QAM	25	0	9.20	9.54	9.52	10
10	64QAM	25	12	9.30	9.08	9.53	
10	64QAM	25	25	9.38	9.24	9.52	
10	64QAM	50	0	9.33	9.23	9.43	12
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	11.06	11.18	11.03	11
5	QPSK	1	12	10.98	11.13	11.10	
5	QPSK	1	24	11.10	10.98	10.74	
5	QPSK	12	0	10.17	10.51	10.45	10
5	QPSK	12	7	10.22	10.15	10.49	
5	QPSK	12	13	10.24	10.14	10.43	
5	QPSK	25	0	10.25	10.21	10.52	11.5
5	16QAM	1	0	11.05	11.09	10.91	
5	16QAM	1	12	10.76	10.82	10.93	
5	16QAM	1	24	10.64	10.83	10.82	10
5	16QAM	12	0	9.12	9.60	9.54	
5	16QAM	12	7	9.21	9.21	9.50	
5	16QAM	12	13	9.21	9.25	9.55	11
5	16QAM	25	0	9.31	9.52	9.60	
5	64QAM	1	0	10.25	10.63	10.67	
5	64QAM	1	12	10.24	10.23	10.67	10
5	64QAM	1	24	10.20	10.30	10.41	
5	64QAM	12	0	9.23	9.47	9.69	
5	64QAM	12	7	9.35	9.42	9.40	11
5	64QAM	12	13	9.40	9.41	9.61	
5	64QAM	25	0	9.25	9.49	9.69	

3	QPSK	15	0	12.73	12.74	12.31	14
3	16QAM	1	0	13.14	13.28	12.82	
3	16QAM	1	8	12.90	12.81	12.87	
3	16QAM	1	14	13.14	12.79	12.79	
3	16QAM	8	0	11.90	11.67	11.61	12.5
3	16QAM	8	4	11.96	11.75	11.56	
3	16QAM	8	7	11.86	11.70	11.49	
3	16QAM	15	0	11.79	11.80	11.64	
3	64QAM	1	0	12.81	12.85	12.60	13.5
3	64QAM	1	8	12.73	12.81	12.48	
3	64QAM	1	14	12.74	12.76	12.52	
3	64QAM	8	0	11.84	11.94	11.61	
3	64QAM	8	4	11.76	11.80	11.55	12.5
3	64QAM	8	7	11.67	11.54	11.51	
3	64QAM	15	0	11.83	11.84	11.47	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	13.39	13.72	13.49	14.5
1.4	QPSK	1	3	13.62	13.55	13.36	
1.4	QPSK	1	5	13.61	13.53	13.32	
1.4	QPSK	3	0	13.57	13.67	13.39	
1.4	QPSK	3	1	13.71	13.70	13.37	
1.4	QPSK	3	3	13.70	13.58	13.40	
1.4	QPSK	6	0	12.66	12.69	12.30	13.5
1.4	16QAM	1	0	12.86	12.97	12.83	14
1.4	16QAM	1	3	12.76	13.02	13.13	
1.4	16QAM	1	5	12.93	12.99	12.77	
1.4	16QAM	3	0	13.04	12.73	12.60	
1.4	16QAM	3	1	13.02	12.86	12.72	
1.4	16QAM	3	3	13.08	12.75	12.69	
1.4	16QAM	6	0	11.72	11.38	11.25	12.5
1.4	64QAM	1	0	12.67	12.94	12.46	13.5
1.4	64QAM	1	3	12.68	12.82	12.51	
1.4	64QAM	1	5	12.80	12.85	12.60	
1.4	64QAM	3	0	12.83	12.84	12.54	
1.4	64QAM	3	1	12.80	12.79	12.54	
1.4	64QAM	3	3	12.80	12.57	12.42	
1.4	64QAM	6	0	11.87	11.69	11.45	12.5

LTE Band 66

BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	14.10	14.32	14.27	15
20	QPSK	1	49	13.84	14.21	14.15	
20	QPSK	1	99	14.06	14.05	13.93	
20	QPSK	50	0	13.12	13.28	13.26	14
20	QPSK	50	24	13.02	13.21	13.24	
20	QPSK	50	50	12.82	13.11	13.04	
20	QPSK	100	0	13.06	13.02	13.24	
20	16QAM	1	0	13.68	13.80	13.48	14
20	16QAM	1	49	13.78	13.51	13.61	
20	16QAM	1	99	13.59	13.39	13.57	
20	16QAM	50	0	12.15	12.26	12.24	13
20	16QAM	50	24	12.04	12.27	12.11	
20	16QAM	50	50	12.20	12.23	12.25	
20	16QAM	100	0	12.20	12.27	12.32	
20	64QAM	1	0	12.55	12.66	12.57	13
20	64QAM	1	49	12.37	12.22	12.48	
20	64QAM	1	99	12.49	12.17	12.16	
20	64QAM	50	0	11.16	11.51	11.17	12
20	64QAM	50	24	11.14	11.53	11.03	
20	64QAM	50	50	11.29	11.38	11.07	
20	64QAM	100	0	11.39	11.65	11.17	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	14.01	14.24	13.98	15
15	QPSK	1	37	13.86	14.16	13.99	
15	QPSK	1	74	13.89	14.16	14.01	
15	QPSK	36	0	13.12	13.22	13.15	14
15	QPSK	36	20	12.99	13.14	13.08	
15	QPSK	36	39	12.99	13.20	13.17	
15	QPSK	75	0	13.07	13.01	13.25	14
15	16QAM	1	0	13.91	13.69	13.92	
15	16QAM	1	37	13.52	13.93	13.79	
15	16QAM	1	74	13.88	13.90	13.51	13
15	16QAM	36	0	12.07	12.19	12.22	
15	16QAM	36	20	12.14	12.10	12.20	
15	16QAM	36	39	12.06	12.01	12.19	
15	16QAM	75	0	12.20	12.25	12.32	13
15	64QAM	1	0	12.28	12.55	12.51	
15	64QAM	1	37	12.44	12.33	12.42	
15	64QAM	1	74	12.10	12.07	12.29	12
15	64QAM	36	0	11.38	11.43	11.07	
15	64QAM	36	20	11.27	11.40	10.98	
15	64QAM	36	39	11.34	11.38	10.94	
15	64QAM	75	0	11.29	11.42	10.93	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	14.09	14.23	14.12	15
10	QPSK	1	25	14.02	14.07	14.15	
10	QPSK	1	49	14.00	13.93	14.16	
10	QPSK	25	0	13.07	13.24	13.09	14
10	QPSK	25	12	13.07	13.10	13.14	
10	QPSK	25	25	13.00	13.16	13.07	
10	QPSK	50	0	13.06	13.01	13.17	14
10	16QAM	1	0	13.65	13.97	13.89	
10	16QAM	1	25	13.52	13.63	13.77	
10	16QAM	1	49	13.50	13.78	13.83	13
10	16QAM	25	0	12.20	12.23	12.53	
10	16QAM	25	12	12.16	12.18	12.42	
10	16QAM	25	25	12.05	12.09	12.31	
10	16QAM	50	0	12.10	12.23	12.30	13
10	64QAM	1	0	12.48	12.07	12.29	
10	64QAM	1	25	12.07	12.17	12.39	
10	64QAM	1	49	12.00	12.36	12.40	12
10	64QAM	25	0	11.33	11.64	11.32	
10	64QAM	25	12	11.32	11.54	11.25	
10	64QAM	25	25	11.45	11.56	11.20	
10	64QAM	50	0	11.38	11.42	10.99	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	14.03	14.20	14.19	15
5	QPSK	1	12	13.98	14.10	14.16	
5	QPSK	1	24	14.10	14.20	14.14	
5	QPSK	12	0	13.01	13.12	13.12	14
5	QPSK	12	7	12.95	13.10	13.14	
5	QPSK	12	13	13.13	13.14	13.22	
5	QPSK	25	0	12.98	13.20	13.10	14
5	16QAM	1	0	13.53	13.34	13.66	
5	16QAM	1	12	13.56	13.37	13.48	
5	16QAM	1	24	13.52	13.16	13.29	13
5	16QAM	12	0	12.14	12.20	12.29	
5	16QAM	12	7	12.19	12.34	12.16	
5	16QAM	12	13	12.19	12.26	12.28	
5	16QAM	25	0	12.17	12.35	12.38	13
5	64QAM	1	0	12.03	12.13	12.44	
5	64QAM	1	12	12.38	11.97	12.40	
5	64QAM	1	24	12.40	11.99	12.34	12
5	64QAM	12	0	11.43	11.57	11.24	
5	64QAM	12	7	11.60	11.56	11.18	
5	64QAM	12	13	11.34	11.50	11.12	
5	64QAM	25	0	11.48	11.51	11.05	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	13.96	14.27	14.19	15
3	QPSK	1	8	13.96	14.01	14.18	
3	QPSK	1	14	14.01	14.11	14.15	
3	QPSK	8	0	13.13	13.19	13.20	14
3	QPSK	8	4	13.10	13.08	13.24	
3	QPSK	8	7	13.13	13.14	13.17	

3	QPSK	15	0	12.92	13.03	13.18	14
3	16QAM	1	0	13.60	13.62	13.50	
3	16QAM	1	8	13.57	13.64	13.80	
3	16QAM	1	14	13.40	13.59	13.48	13
3	16QAM	8	0	12.33	12.35	12.37	
3	16QAM	8	4	12.10	12.36	12.36	
3	16QAM	8	7	12.23	12.40	12.38	13
3	16QAM	15	0	12.27	12.44	12.37	
3	64QAM	1	0	12.28	12.18	12.40	
3	64QAM	1	8	12.23	12.20	12.45	12
3	64QAM	1	14	12.34	12.33	12.49	
3	64QAM	8	0	11.47	11.75	11.49	
3	64QAM	8	4	11.54	11.63	11.31	12
3	64QAM	8	7	11.50	11.59	11.27	
3	64QAM	15	0	11.47	11.62	11.15	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	14.02	14.24	14.08	15
1.4	QPSK	1	3	13.98	14.02	14.07	
1.4	QPSK	1	5	14.00	14.00	14.17	
1.4	QPSK	3	0	14.08	14.17	14.15	
1.4	QPSK	3	1	14.10	14.22	14.19	
1.4	QPSK	3	3	14.21	14.21	14.19	14
1.4	QPSK	6	0	13.13	13.13	13.12	
1.4	16QAM	1	0	13.62	13.87	13.50	14
1.4	16QAM	1	3	13.70	13.39	13.73	
1.4	16QAM	1	5	13.47	13.40	13.83	
1.4	16QAM	3	0	13.45	13.45	13.56	
1.4	16QAM	3	1	13.38	13.32	13.28	
1.4	16QAM	3	3	13.44	13.33	13.35	12
1.4	16QAM	6	0	11.93	11.81	12.15	
1.4	64QAM	1	0	12.32	12.46	12.61	13
1.4	64QAM	1	3	12.19	12.42	12.15	
1.4	64QAM	1	5	12.56	12.45	12.61	
1.4	64QAM	3	0	12.15	12.13	12.28	
1.4	64QAM	3	1	12.12	12.05	12.12	
1.4	64QAM	3	3	12.03	12.10	12.40	12
1.4	64QAM	6	0	11.35	11.55	11.08	