



REPORT No.: SZ22080363S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacture document.

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
TX Channel	128	189	251	128		189	251			
Frequency (MHz)	824.2	836.4	848.8	34.00	824.2	836.4	848.8	25.00	0.07	
GSM 1 Tx slot	33.05	33.10	33.09	34.00	24.05	24.10	24.09	25.00		
GPRS 1 Tx slot	33.03	33.08	33.06	34.00	24.03	24.08	24.06	25.00		
GPRS 2 Tx slots	32.19	32.25	32.22	33.00	26.19	26.25	26.22	27.00		
GPRS 3 Tx slots	30.17	30.18	30.16	31.00	25.91	25.92	25.90	26.74		
GPRS 4 Tx slots	28.39	28.46	28.37	29.00	25.39	25.46	25.37	26.00		
Mode		Max.	33.10			Max.	26.25			
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
TX Channel	512	661	810	512		661	810			
Frequency (MHz)	1850.2	1880	1909.8	31.00	1850.2	1880	1909.8	22.00	0.09	
GSM 1 Tx slot	30.35	30.42	30.38	31.00	21.35	21.42	21.38	22.00		
GPRS 1 Tx slot	30.33	30.40	30.37	31.00	21.33	21.40	21.37	22.00		
GPRS 2 Tx slots	29.37	29.41	29.35	30.00	23.37	23.41	23.35	24.00		
GPRS 3 Tx slots	27.25	27.28	27.31	28.00	22.99	23.02	23.05	23.74		
GPRS 4 Tx slots	26.16	26.18	26.15	27.00	23.16	23.18	23.15	24.00		
Mode		Max.	30.42			Max.	23.41			
Attenuator	Cable Loss : 0.8									

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	23.37	23.38	23.31	24.00	23.43	23.45	23.42	24.00	23.42	23.44	23.41	24.00
3GPP Rel 6	HSDPA Subtest-1	22.57	22.65	22.65	23.50	22.35	22.43	22.41	23.00	22.78	22.79	22.80	23.50
3GPP Rel 6	HSDPA Subtest-2	22.58	22.64	22.55	23.50	22.32	22.51	22.35	23.00	22.76	22.75	22.75	23.50
3GPP Rel 6	HSDPA Subtest-3	22.05	22.13	22.01	23.00	21.84	21.96	21.85	22.50	22.20	22.27	22.22	23.00
3GPP Rel 6	HSDPA Subtest-4	22.05	22.09	22.01	23.00	21.84	21.95	21.94	22.50	22.21	22.26	22.24	23.00
3GPP Rel 6	HSUPA Subtest-1	21.78	21.89	21.87	22.50	21.67	21.83	21.77	22.50	22.22	22.29	22.16	23.00
3GPP Rel 6	HSUPA Subtest-2	22.27	22.32	22.34	23.00	22.29	22.34	22.41	23.00	22.75	22.77	22.67	23.50
3GPP Rel 6	HSUPA Subtest-3	21.30	21.39	21.34	22.00	21.34	21.39	21.32	22.00	21.71	21.75	21.75	22.50
3GPP Rel 6	HSUPA Subtest-4	22.19	22.39	22.34	23.00	22.28	22.30	22.30	23.00	21.66	22.74	22.78	23.50
3GPP Rel 6	HSUPA Subtest-5	21.21	21.26	21.33	22.00	21.18	21.30	21.28	22.00	21.63	21.73	21.76	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.28	21.31	21.42	22.00	21.27	21.33	21.25	22.00	21.66	21.57	21.68	22.50
Attenuator		Cable Loss			0.8		Cable Loss		0.8		Cable Loss		0.6
Mode		Max.	23.38			Max.	23.45			Max.	23.44		

Band 5 (Cellular Band) (dBm) Part 22H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.77	23.82	23.80	24.5
10	QPSK	1	25	23.58	23.60	23.78	
10	QPSK	1	49	23.53	23.71	23.71	
10	QPSK	25	0	22.92	22.93	22.78	23.5
10	QPSK	25	12	22.57	22.80	22.79	
10	QPSK	25	25	22.79	22.56	22.72	
10	QPSK	50	0	22.81	22.83	22.92	23.5
10	16QAM	1	0	22.65	22.78	22.55	
10	16QAM	1	25	22.42	22.73	22.72	
10	16QAM	1	49	22.65	22.80	22.56	22.5
10	16QAM	25	0	21.80	21.77	21.88	
10	16QAM	25	12	21.71	21.85	21.63	
10	16QAM	25	25	21.72	21.58	21.85	22.5
10	16QAM	50	0	21.82	21.52	21.61	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)
5	QPSK	1	0	23.50	23.63	23.57	
5	QPSK	1	12	23.71	23.76	23.56	24.5
5	QPSK	1	24	23.72	23.79	23.42	
5	QPSK	12	0	22.81	22.70	22.79	
5	QPSK	12	7	22.85	22.84	22.67	23.5
5	QPSK	12	13	22.90	22.79	22.54	
5	QPSK	25	0	22.65	22.90	22.90	
5	16QAM	1	0	22.82	22.67	22.89	23.5
5	16QAM	1	12	22.68	22.57	22.59	
5	16QAM	1	24	22.69	22.72	22.52	
5	16QAM	12	0	21.87	21.88	21.75	22.5
5	16QAM	12	7	21.74	21.84	21.69	
5	16QAM	12	13	21.83	21.46	21.44	
5	16QAM	25	0	21.86	21.43	21.45	22.5
Channel				20415	20525	20635	
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)
3	QPSK	1	0	23.58	23.70	23.69	
3	QPSK	1	8	23.69	23.67	23.73	24.5
3	QPSK	1	14	23.53	23.77	23.50	
3	QPSK	8	0	22.69	22.83	22.74	
3	QPSK	8	4	22.95	22.86	22.88	23.5
3	QPSK	8	7	22.99	22.60	22.61	
3	QPSK	15	0	22.70	22.82	22.63	
3	16QAM	1	0	22.84	22.85	22.72	23.5
3	16QAM	1	8	22.86	22.58	22.58	
3	16QAM	1	14	22.92	22.83	22.56	
3	16QAM	8	0	21.96	21.92	21.58	22.5
3	16QAM	8	4	21.73	21.86	21.89	
3	16QAM	8	7	21.81	21.75	21.89	
3	16QAM	15	0	21.75	21.88	21.68	22.5
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)
1.4	QPSK	1	0	23.73	23.55	23.55	
1.4	QPSK	1	3	23.69	23.69	23.74	24.5
1.4	QPSK	1	5	23.54	23.66	23.59	
1.4	QPSK	3	0	22.54	22.65	22.59	
1.4	QPSK	3	1	22.70	22.61	22.70	23.5
1.4	QPSK	3	3	22.85	22.60	22.73	
1.4	QPSK	6	0	22.71	22.48	22.86	
1.4	16QAM	1	0	22.84	22.59	22.73	23.5
1.4	16QAM	1	3	22.56	22.79	22.64	
1.4	16QAM	1	5	22.82	22.55	22.44	
1.4	16QAM	3	0	21.88	21.69	21.82	23.5
1.4	16QAM	3	1	21.65	21.69	21.83	
1.4	16QAM	3	3	21.50	21.55	21.61	
1.4	16QAM	6	0	21.43	21.44	21.72	22.5

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	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.50	23.89	23.71	24.5
10	QPSK	1	25	23.65	23.75	23.66	
10	QPSK	1	49	23.76	23.70	23.59	
10	QPSK	25	0	22.66	22.94	22.93	23.5
10	QPSK	25	12	22.54	22.74	22.69	
10	QPSK	25	25	22.93	22.83	22.60	
10	QPSK	50	0	22.78	22.85	22.69	23.5
10	16QAM	1	0	22.53	22.67	22.66	
10	16QAM	1	25	22.58	22.61	22.56	
10	16QAM	1	49	22.78	22.56	22.79	22.5
10	16QAM	25	0	21.99	21.66	21.76	
10	16QAM	25	12	21.73	21.83	21.63	
10	16QAM	25	25	21.71	21.80	21.77	22.5
10	16QAM	50	0	21.68	21.46	21.45	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)
5	QPSK	1	0	23.68	23.71	23.46	
5	QPSK	1	12	23.65	23.63	23.72	24.5
5	QPSK	1	24	23.64	23.70	23.54	
5	QPSK	12	0	22.70	22.94	22.82	
5	QPSK	12	7	22.84	22.98	22.85	23.5
5	QPSK	12	13	22.60	22.68	22.63	
5	QPSK	25	0	22.58	22.84	22.59	
5	16QAM	1	0	22.58	22.67	22.68	23.5
5	16QAM	1	12	22.67	22.65	22.73	
5	16QAM	1	24	22.65	22.68	22.65	
5	16QAM	12	0	21.82	21.73	21.57	22.5
5	16QAM	12	7	21.97	21.97	21.62	
5	16QAM	12	13	21.71	21.75	21.84	
5	16QAM	25	0	21.67	21.79	21.77	22.5
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)
3	QPSK	1	0	23.73	23.69	23.72	
3	QPSK	1	8	23.71	23.67	23.50	24.5
3	QPSK	1	14	23.48	23.65	23.63	
3	QPSK	8	0	22.59	22.68	22.81	
3	QPSK	8	4	22.95	22.88	22.69	23.5
3	QPSK	8	7	22.85	22.65	22.86	
3	QPSK	15	0	22.49	22.68	22.80	
3	16QAM	1	0	22.69	22.70	22.66	23.5
3	16QAM	1	8	22.45	22.74	22.58	
3	16QAM	1	14	22.49	22.68	22.49	
3	16QAM	8	0	21.79	21.84	21.87	22.5
3	16QAM	8	4	21.61	21.90	21.64	
3	16QAM	8	7	21.98	21.90	21.58	
3	16QAM	15	0	21.67	21.62	21.51	22.5
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)
1.4	QPSK	1	0	23.47	23.56	23.64	
1.4	QPSK	1	3	23.71	23.67	23.63	24.5
1.4	QPSK	1	5	23.72	23.73	23.57	
1.4	QPSK	3	0	22.50	22.76	22.68	
1.4	QPSK	3	1	22.57	22.83	22.86	23.5
1.4	QPSK	3	3	22.57	22.81	22.56	
1.4	QPSK	6	0	22.60	22.89	22.86	
1.4	16QAM	1	0	22.68	22.86	22.88	23.5
1.4	16QAM	1	3	22.48	22.81	22.67	
1.4	16QAM	1	5	22.78	22.47	22.71	
1.4	16QAM	3	0	21.77	21.78	21.85	23.5
1.4	16QAM	3	1	21.83	21.59	21.54	
1.4	16QAM	3	3	21.78	21.83	21.84	
1.4	16QAM	6	0	21.72	21.70	21.56	22.5

Band 17 (700MHz Band) (dBm) Part 27H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.69	23.67	23.60	
10	QPSK	1	25	23.84	23.73	23.61	
10	QPSK	1	49	23.63	23.68	23.51	
10	QPSK	25	0	22.53	22.79	22.57	23.5
10	QPSK	25	12	22.50	22.73	22.83	
10	QPSK	25	25	22.82	22.74	22.56	
10	QPSK	50	0	22.97	22.85	22.70	23.5
10	16QAM	1	0	22.76	22.72	22.63	
10	16QAM	1	25	22.85	22.60	22.65	
10	16QAM	1	49	22.91	22.64	22.88	22.5
10	16QAM	25	0	21.98	21.99	21.86	
10	16QAM	25	12	21.98	21.81	21.85	
10	16QAM	25	25	21.77	21.69	21.73	22.5
10	16QAM	50	0	21.87	21.84	21.67	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.85	23.73	23.68	24.5
5	QPSK	1	12	23.80	23.68	23.55	
5	QPSK	1	24	23.53	23.86	23.56	
5	QPSK	12	0	22.73	22.93	22.63	23.5
5	QPSK	12	7	22.70	22.68	22.61	
5	QPSK	12	13	22.70	22.96	22.57	
5	QPSK	25	0	22.55	22.90	22.48	23.5
5	16QAM	1	0	22.76	22.59	22.90	
5	16QAM	1	12	22.76	22.87	22.83	
5	16QAM	1	24	22.78	22.86	22.48	22.5
5	16QAM	12	0	21.85	21.81	21.89	
5	16QAM	12	7	21.66	21.85	21.89	
5	16QAM	12	13	21.98	21.92	21.57	22.5
5	16QAM	25	0	21.56	21.79	21.66	

Band 66 (dBm)							
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	22.69	22.86	22.50	
20	QPSK	1	49	22.66	22.81	22.74	
20	QPSK	1	99	22.80	22.77	22.52	
20	QPSK	50	0	21.91	21.95	21.61	22.5
20	QPSK	50	24	21.54	21.89	21.67	
20	QPSK	50	50	21.59	21.59	21.78	
20	QPSK	100	0	21.63	21.81	21.55	22.5
20	16QAM	1	0	21.42	21.62	21.83	
20	16QAM	1	49	21.84	21.50	21.61	
20	16QAM	1	99	21.86	21.58	21.76	21.5
20	16QAM	50	0	20.85	20.95	20.92	
20	16QAM	50	24	20.63	20.60	20.56	
20	16QAM	50	50	20.51	20.58	20.63	21.5
20	16QAM	100	0	20.56	20.70	20.46	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.83	22.73	22.75	23.5
15	QPSK	1	37	22.75	22.67	22.65	
15	QPSK	1	74	22.79	22.72	22.47	
15	QPSK	36	0	21.90	21.67	21.63	22.5
15	QPSK	36	20	21.94	21.88	21.71	
15	QPSK	36	39	21.96	21.71	21.75	
15	QPSK	75	0	21.53	21.54	21.51	22.5
15	16QAM	1	0	21.63	21.60	21.60	
15	16QAM	1	37	21.50	21.81	21.52	
15	16QAM	1	74	21.85	21.77	21.55	21.5
15	16QAM	36	0	20.66	20.93	20.73	
15	16QAM	36	20	20.73	20.99	20.59	
15	16QAM	36	39	20.89	20.71	20.60	21.5
15	16QAM	75	0	20.47	20.39	20.79	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.73	22.80	22.65	23.5
10	QPSK	1	25	22.61	22.65	22.75	
10	QPSK	1	49	22.67	22.77	22.76	
10	QPSK	25	0	21.68	21.67	21.67	22.5
10	QPSK	25	12	21.89	21.97	21.62	
10	QPSK	25	25	21.81	21.93	21.96	
10	QPSK	50	0	21.58	21.93	21.88	22.5
10	16QAM	1	0	21.67	21.86	21.59	
10	16QAM	1	25	21.73	21.80	21.70	
10	16QAM	1	49	21.92	21.81	21.86	21.5
10	16QAM	25	0	20.74	21.12	20.83	
10	16QAM	25	12	20.80	20.83	20.74	
10	16QAM	25	25	20.87	20.89	20.77	21.5
10	16QAM	50	0	20.50	20.71	20.76	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.49	22.62	22.45	23.5
5	QPSK	1	12	22.68	22.78	22.75	
5	QPSK	1	24	22.75	22.74	22.52	
5	QPSK	12	0	21.74	21.82	21.81	22.5
5	QPSK	12	7	21.74	21.52	21.59	
5	QPSK	12	13	21.61	21.79	21.75	
5	QPSK	25	0	21.51	21.74	21.47	22.5
5	16QAM	1	0	21.69	21.89	21.59	
5	16QAM	1	12	21.80	21.78	21.64	
5	16QAM	1	24	21.66	21.83	21.77	22.5
5	16QAM	12	0	20.71	20.91	20.72	
5	16QAM	12	7	20.87	20.63	20.57	
5	16QAM	12	13	20.93	20.62	20.54	21.5
5	16QAM	25	0	20.44	20.42	20.60	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.46	22.79	22.42	23.5
3	QPSK	1	8	22.78	22.66	22.73	
3	QPSK	1	14	22.70	22.54	22.74	
3	QPSK	8	0	21.60	21.73	21.57	22.5
3	QPSK	8	4	21.63	21.72	21.58	
3	QPSK	8	7	21.99	21.97	21.69	
3	QPSK	15	0	21.71	21.61	21.95	22.5
3	16QAM	1	0	21.75	21.60	21.52	
3	16QAM	1	8	21.83	21.86	21.60	
3	16QAM	1	14	21.75	21.52	21.72	21.5
3	16QAM	8	0	20.88	20.71	20.82	
3	16QAM	8	4	20.91	20.52	20.68	
3	16QAM	8	7	20.74	20.48	20.73	21.5
3	16QAM	15	0	20.72	20.87	20.47	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.59	22.66	22.65	23.5
1.4	QPSK	1	3	22.76	22.73	22.75	
1.4	QPSK	1	5	22.70	22.48	22.49	
1.4	QPSK	3	0	21.89	21.71	21.64	22.5
1.4	QPSK	3	1	21.58	21.67	21.57	
1.4	QPSK	3	3	21.52	21.60	21.56	
1.4	QPSK	6	0	21.70	21.78	21.50	22.5
1.4	16QAM	1	0	21.86	21.74	21.84	
1.4	16QAM	1	3	21.75	21.78	21.65	
1.4	16QAM	1	5	21.55	21.45	21.66	22.5
1.4	16QAM	3	0	20.90	20.75	20.83	
1.4	16QAM	3	1	20.74	20.80	20.92	
1.4	16QAM	3	3	20.89	20.58	20.77	21.5
1.4	16QAM	6	0	20.59	20.74	20.59	

Band 71 (dBm)

BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	24.79	24.82	24.54	25.5
20	QPSK	1	49	24.63	24.62	24.61	
20	QPSK	1	99	24.69	24.66	24.56	
20	QPSK	50	0	23.73	23.79	23.56	24.5
20	QPSK	50	24	23.60	23.73	23.83	
20	QPSK	50	50	23.85	23.88	23.58	
20	QPSK	100	0	23.70	23.45	23.66	24.5
20	16QAM	1	0	23.66	23.87	23.75	
20	16QAM	1	49	23.90	23.90	23.54	
20	16QAM	1	99	23.72	23.72	23.55	23.5
20	16QAM	50	0	22.67	22.82	22.64	
20	16QAM	50	24	22.84	22.55	22.77	
20	16QAM	50	50	22.75	22.82	22.56	23.5
20	16QAM	100	0	22.80	22.58	22.71	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	24.78	24.69	24.77	25.5
15	QPSK	1	37	24.60	24.74	24.68	
15	QPSK	1	74	24.75	24.68	24.63	
15	QPSK	36	0	23.64	23.65	23.71	24.5
15	QPSK	36	20	23.59	23.79	23.67	
15	QPSK	36	39	23.84	23.59	23.65	
15	QPSK	75	0	23.64	23.91	23.82	24.5
15	16QAM	1	0	23.69	23.87	23.81	
15	16QAM	1	37	23.73	23.83	23.77	
15	16QAM	1	74	23.70	23.64	23.68	23.5
15	16QAM	36	0	22.88	22.72	22.82	
15	16QAM	36	20	22.75	22.84	22.43	
15	16QAM	36	39	22.78	22.82	22.74	23.5
15	16QAM	75	0	22.80	22.86	22.58	
Channel				133172	133272	133422	
Frequency (MHz)				668	678	693	
10	QPSK	1	0	24.53	24.80	24.70	25.5
10	QPSK	1	25	24.62	24.56	24.62	
10	QPSK	1	49	24.63	24.71	24.67	
10	QPSK	25	0	23.65	23.88	23.77	24.5
10	QPSK	25	12	23.67	23.50	23.69	
10	QPSK	25	25	23.60	23.81	23.93	
10	QPSK	50	0	23.56	23.66	23.80	24.5
10	16QAM	1	0	23.52	23.83	23.57	
10	16QAM	1	25	23.91	23.66	23.70	
10	16QAM	1	49	23.72	23.79	23.84	23.5
10	16QAM	25	0	22.85	22.78	22.91	
10	16QAM	25	12	22.68	22.53	22.69	
10	16QAM	25	25	22.72	22.75	22.48	23.5
10	16QAM	50	0	22.69	22.41	22.55	
Channel				133147	133247	133447	
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	24.49	24.47	24.57	25.5
5	QPSK	1	12	24.66	24.76	24.75	
5	QPSK	1	24	24.73	24.80	24.69	
5	QPSK	12	0	23.65	23.65	23.91	24.5
5	QPSK	12	7	23.77	23.82	23.50	
5	QPSK	12	13	23.61	23.59	23.71	
5	QPSK	25	0	23.55	23.88	23.49	24.5
5	16QAM	1	0	23.86	23.60	23.77	
5	16QAM	1	12	23.71	23.78	23.78	
5	16QAM	1	24	23.61	23.44	23.64	23.5
5	16QAM	12	0	22.77	22.92	22.53	
5	16QAM	12	7	22.81	22.81	22.77	
5	16QAM	12	13	22.71	22.76	22.56	23.5
5	16QAM	25	0	22.71	22.53	22.83	

2.4GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps	3Mbps			
802.11b 1Mbps	CH 1	2412	12.27	13.00	14.00	100.00		
	CH 7	2442	12.97	13.00	14.00			
	CH 13	2472	11.82	12.50	14.00			
802.11g 6Mbps	CH 1	2412	8.16	10.00	10.00	98.53		
	CH 6	2437	8.37	10.00	10.00			
	CH 11	2462	7.42	9.00	10.00			
802.11n-HT20 MCS0	CH 1	2412	6.16	7.50	8.00	98.12		
	CH 6	2437	6.41	7.50	8.00			
	CH 11	2462	5.74	7.00	8.00			
802.11n-HT40 MCS0	CH 3	2422	9.53	10.00	11.50	96.46		
	CH 6	2437	9.65	10.00	11.50			
	CH 9	2452	9.24	9.50	11.50			

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps	3Mbps			
802.11a 6Mbps	CH 36	5180	12.02	12.50	14.50	98.25		
	CH 44	5220	12.61	13.00	14.50			
	CH 48	5240	12.50	13.00	14.50			
802.11n-HT20 MCS0	CH 36	5180	9.83	10.50	12.00	98.43		
	CH 44	5220	10.77	11.50	12.00			
	CH 48	5240	10.54	11.00	12.00			
802.11n-HT40 MCS0	CH 38	5190	10.10	10.50	12.00	96.46		
	CH 46	5230	10.36	11.00	12.00			
	CH 39	5180	10.46	11.00	12.50			
802.11ac-VHT20 MCS0	CH 44	5220	10.76	11.00	12.50	98.46		
	CH 48	5240	10.98	11.50	12.50			
	CH 38	5190	10.55	11.00	12.00			
802.11ac-VHT40 MCS0	CH 38	5190	10.55	11.00	12.00	96.86		
	CH 46	5230	10.48	11.00	12.00			
	CH 42	5210	10.58	11.00	12.00			

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps	3Mbps			
802.11a 6Mbps	CH 52	5260	12.61	13.00	14.50	98.25		
	CH 60	5300	12.94	13.50	14.50			
	CH 64	5320	12.95	13.50	14.50			
802.11n-HT20 MCS0	CH 52	5260	10.50	11.00	12.00	98.43		
	CH 60	5300	10.63	11.00	12.00			
	CH 64	5320	10.81	11.50	12.00			
802.11n-HT40 MCS0	CH 54	5270	10.50	11.00	12.00	96.46		
	CH 62	5310	10.67	11.00	12.00			
	CH 52	5260	10.48	11.00	12.00			
802.11ac-VHT20 MCS0	CH 60	5300	10.66	11.00	12.00	98.46		
	CH 64	5320	10.80	11.00	12.00			
	CH 54	5270	10.44	11.00	11.50			
802.11ac-VHT40 MCS0	CH 62	5310	10.68	11.00	11.50	96.86		
	CH 58	5290	10.68	11.00	12.00			
	CH 58	5290	10.68	11.00	12.00			

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps	3Mbps			
802.11a 6Mbps	CH 100	5500	12.47	13.00	15.00	98.25		
	CH 120	5600	11.90	12.50	15.00			
	CH 144	5720	12.07	12.50	15.00			
802.11n-HT20 MCS0	CH 100	5500	10.45	11.00	13.00	98.43		
	CH 120	5600	10.22	11.00	13.00			
	CH 144	5720	11.11	11.50	13.00			
802.11n-HT40 MCS0	CH 102	5510	9.75	10.00	12.50	96.46		
	CH 126	5630	10.06	10.50	12.50			
	CH 142	5710	10.60	11.00	12.50			
802.11ac-VHT20 MCS0	CH 100	5500	10.37	11.00	13.00	98.46		
	CH 120	5600	10.12	10.50	13.00			
	CH 144	5720	10.94	11.50	13.00			
802.11ac-VHT40 MCS0	CH 102	5510	10.15	10.50	12.50	96.86		
	CH 126	5630	10.45	11.00	12.50			
	CH 142	5710	10.70	11.00	12.50			
802.11ac-VHT80 MCS0	CH 106	5530	10.02	10.50	13.00	92.92		
	CH 122	5610	10.33	10.50	13.00			
	CH 138	5690	10.46	10.50	13.00			

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps	3Mbps			
802.11a MCS0	CH 149	5745	10.71	11.50	13.50	98.25		
	CH 157	5785	10.76	11.50	13.50			
	CH 165	5825	10.90	11.50	13.50			
802.11n-HT20 MCS0	CH 149	5745	10.57	11.00	12.50	98.43		
	CH 157	5785	10.70	11.50	12.50			
	CH 165	5825	10.93	11.50	12.50			
802.11n-HT40 MCS0	CH 151	5755	10.63	11.00	12.50	96.46		
	CH 159	5795	10.71	11.50	12.50			
	CH 149	5745	10.54	11.00	12.00			
802.11ac-VHT20 MCS0	CH 157	5785	10.71	11.50	12.00	98.46		
	CH 165	5825	10.13	10.50	12.00			
	CH 151	5755	10.43	11.00	12.50			
802.11ac-VHT40 MCS0	CH 159	5795	10.75	11.50	12.50	96.86		
	CH 155	5775	10.41	11.00	12.50			
	CH 155	5775	10.41	11.00	12.50			

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.01	9.96	8.96
	CH 39	2441	7.53	4.89	4.64
	CH 78	2490	7.40	4.06	4.20
Tune-up Limit			11	7.5	7.5
Duty Cycle %			76.62	76.8	77.2

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			GFSK		
LE	CH 00	2402	-5.01		
	CH 19	2440	-4.86		
	CH 59	2480	-5.79		
Tune-up Limit			-4		
Duty Cycle %			61.06		

Reduced Power

Project No.:	SZ22080363	Applicant:			BLU	Model Name:			4G Phone
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	28.33	28.40	28.36	29.00	19.33	19.40	19.36	20.00	
GPRS 1 Tx slot	28.31	28.38	28.35	28.50	19.31	19.38	19.35	19.50	
GPRS 2 Tx slots	27.35	27.39	27.33	28.00	21.35	21.39	21.33	22.00	
GPRS 3 Tx slots	25.23	25.26	25.29	25.50	20.97	21.00	21.03	21.24	
GPRS 4 Tx slots	24.46	24.50	24.44	25.00	21.46	21.50	21.44	22.00	
Mode		Max.	28.40			Max.	21.50		
Attenuator		Cable Loss : 0.8							

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	22.35	22.36	22.29	22.50
3GPP Rel 6	HSDPA Subtest-1	21.55	21.63	21.63	22.00
3GPP Rel 6	HSDPA Subtest-2	21.56	21.62	21.53	22.00
3GPP Rel 6	HSDPA Subtest-3	21.03	21.11	20.01	21.50
3GPP Rel 6	HSDPA Subtest-4	21.03	21.07	20.06	21.50
3GPP Rel 6	HSUPA Subtest-1	20.76	20.87	20.85	21.50
3GPP Rel 6	HSUPA Subtest-2	21.25	21.30	21.32	21.50
3GPP Rel 6	HSUPA Subtest-3	20.28	20.37	20.32	20.50
3GPP Rel 6	HSUPA Subtest-4	21.17	21.37	21.32	21.50
3GPP Rel 6	HSUPA Subtest-5	20.19	20.24	20.31	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.26	20.29	20.40	21.00
Attenuator		Cable Loss		0.8	
Mode		Max.	22.36		