



Full&Default Power Mode/Reduced Power for DS14

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	726	789	851		726	789	851	
TX Channel	726	789	851	Limit	726	789	851	Limit
Frequency (MHz)	824.2	836.4	848.6	(dBm)	824.2	836.4	848.6	(dBm)
GSM 1 Tx slot	32.09	32.15	32.11	33.50	23.09	23.15	23.11	24.50
GPRS 1 Tx slot	32.11	32.15	32.12	33.50	23.11	23.15	23.12	24.50
GPRS 2 Tx slots	30.13	30.18	30.16	31.50	24.13	24.18	24.16	25.50
GPRS 3 Tx slots	28.10	28.11	28.10	29.50	23.84	23.85	23.84	25.24
GPRS 4 Tx slots	26.22	26.24	26.25	27.50	23.22	23.24	23.25	24.50
EDGE 1 Tx slot	26.14	26.22	26.19	27.50	17.14	17.22	17.19	18.50
EDGE 2 Tx slots	23.01	24.91	24.77	25.50	19.01	18.91	18.77	19.50
EDGE 3 Tx slots	22.94	23.01	22.84	23.50	18.68	18.75	18.58	19.24
EDGE 4 Tx slots	20.57	20.51	20.43	21.00	17.57	17.51	17.43	18.00

GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	512 <td>661</td> <td>810</td> <td>Limit</td> <td>512 <td>661</td> <td>810</td> <td>Limit</td> </td>	661	810	Limit	512 <td>661</td> <td>810</td> <td>Limit</td>	661	810	Limit
Frequency (MHz)	1650.2	1630	1609.8	(dBm)	1650.2	1630	1609.8	(dBm)
GSM 1 Tx slot	29.82	29.81	29.60	30.50	20.92	20.91	20.60	21.50
GPRS 1 Tx slot	29.87	29.80	29.60	30.50	20.87	20.80	20.60	21.50
GPRS 2 Tx slots	27.85	27.87	27.70	28.50	21.85	21.87	21.70	22.50
GPRS 3 Tx slots	25.77	25.79	25.73	26.50	21.51	21.53	21.47	22.24
GPRS 4 Tx slots	23.73	23.79	23.76	24.50	20.73	20.79	20.76	21.50
EDGE 1 Tx slot	26.01	26.87	26.84	26.50	17.01	16.87	16.84	17.50
EDGE 2 Tx slots	24.31	24.30	24.21	24.50	18.31	18.30	18.21	18.50
EDGE 3 Tx slots	22.29	22.27	22.12	22.50	18.03	18.01	17.86	18.24
EDGE 4 Tx slots	20.26	20.10	20.14	20.50	17.26	17.10	17.14	17.50

Band	TX Channel	WCDMA II Ant 0			Tune-up Limit (dBm)	WCDMA V Ant 0			Tune-up Limit (dBm)
		9262	9400	9538		4132	4182	4233	
	Rx Channel	9662	9800	9938	Limit	4357	4407	4458	Limit
	Frequency (MHz)	1852.4	1860	1867.6	(dBm)	826.4	834.4	842.6	(dBm)
3GPP Rel 99	AMR 12.2Kbps	23.20	23.19	23.19	24.00	22.70	22.92	22.86	24.00
3GPP Rel 99	RMC 12.2Kbps	23.25	23.28	23.21	24.00	22.92	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-1	22.31	22.23	22.21	23.00	21.94	21.93	21.91	23.00
3GPP Rel 6	HSDPA Subtest-2	22.21	22.16	22.12	23.00	21.91	21.84	21.80	23.00
3GPP Rel 6	HSDPA Subtest-3	21.67	21.65	21.59	22.50	21.35	21.40	21.34	22.50
3GPP Rel 6	HSDPA Subtest-4	21.63	21.64	21.57	22.50	21.42	21.37	21.35	22.50
3GPP Rel 8	DG-HSDPA Subtest-1	22.28	22.17	22.16	23.00	21.90	21.86	21.87	23.00
3GPP Rel 8	DG-HSDPA Subtest-2	22.19	22.15	22.11	23.00	21.87	21.77	21.85	23.00
3GPP Rel 8	DG-HSDPA Subtest-3	21.56	21.53	21.49	22.50	21.33	21.34	21.30	22.50
3GPP Rel 8	DG-HSDPA Subtest-4	21.53	21.55	21.47	22.50	21.36	21.37	21.32	22.50
3GPP Rel 6	HSUPA Subtest-1	20.84	20.84	20.80	21.50	20.46	20.49	20.50	21.50
3GPP Rel 6	HSUPA Subtest-2	20.84	20.83	20.77	21.50	20.55	20.52	20.43	21.50
3GPP Rel 6	HSUPA Subtest-3	21.79	21.84	21.75	22.50	21.45	21.45	21.43	22.50
3GPP Rel 6	HSUPA Subtest-4	20.26	20.25	20.34	21.00	20.02	20.04	19.94	21.00
3GPP Rel 6	HSUPA Subtest-5	21.70	21.70	21.80	22.50	21.40	21.40	21.40	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.14	20.06	20.09	21.50	19.77	19.82	19.81	21.50

Band 2_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Tune-up limit (dBm)	MFR (dB)
Channel				1870	1880	1890		
Frequency (MHz)				Ch / Freq	Ch / Freq	Ch / Freq		
20	QPSK	1	0	22.74	22.82	22.84	24	0
20	QPSK	1	49	22.85	22.83	22.70		
20	QPSK	1	99	22.55	22.83	22.70		
20	QPSK	1	149	22.85	22.83	22.70		
20	QPSK	60	24	21.52	21.56	21.61	23	1
20	QPSK	60	50	21.76	21.64	21.80		
20	QPSK	60	90	21.56	21.61	21.76		
20	16QAM	1	0	21.86	21.87	21.86		
20	16QAM	1	49	21.86	21.87	21.86	23	1
20	16QAM	1	99	21.86	22.03	21.83		
20	16QAM	1	149	21.86	22.03	21.83		
20	16QAM	60	24	20.98	20.88	20.84	22	2
20	16QAM	60	50	20.97	20.91	20.78		
20	16QAM	60	90	20.81	20.97	20.78		
20	84QAM	1	0	21.13	21.13	21.07	22	2
20	84QAM	1	49	21.03	20.86	20.86		
20	84QAM	60	24	19.86	19.87	19.86		
20	84QAM	60	50	20.21	19.86	19.85	21	3
20	84QAM	60	90	19.81	19.84	19.88		
Channel				1895	1900	1905		
Frequency (MHz)				Ch / Freq	Ch / Freq	Ch / Freq		
15	QPSK	1	0	22.62	22.81	22.71	24	0
15	QPSK	1	37	22.85	22.80	22.80		
15	QPSK	1	74	22.66	22.74	22.71		
15	QPSK	36	0	21.86	21.87	21.86	23	1
15	QPSK	36	20	22.03	21.87	21.89		
15	QPSK	36	39	22.03	21.87	21.89		
15	QPSK	75	0	21.84	21.81	21.83		
15	16QAM	1	37	22.09	22.15	22.19	23	1
15	16QAM	1	74	21.85	21.84	22.15		
15	16QAM	36	0	20.84	20.82	20.89	22	2
15	16QAM	36	20	20.83	20.83	20.76		
15	16QAM	36	39	20.83	20.81	20.81		
15	84QAM	1	37	21.07	21.11	21.05	22	2
15	84QAM	1	74	20.76	20.85	21.08		
15	84QAM	36	0	20.62	19.84	19.87	21	3
15	84QAM	36	20	20.24	19.85	19.89		
15	84QAM	36	39	19.87	19.85	19.90		
15	84QAM	75	0	19.81	19.85	19.90		
Channel				1905	1910	1915		
Frequency (MHz)				Ch / Freq	Ch / Freq	Ch / Freq		
10	QPSK	1	0	22.81	22.81	22.79	24	0
10	QPSK	1	25	22.83	22.81	22.87		
10	QPSK	1	49	22.81	22.74	22.88		
10	QPSK	1	74	21.86	21.87	21.88	23	1
10	QPSK	25	12	21.87	21.88	21.85		
10	QPSK	25	25	21.87	21.88	21.85		
10	QPSK	60	0	22.20	21.90	21.91	23	1
10	16QAM	1	49	22.02	22.09	22.06		
10	16QAM	1	25	22.18	22.29	22.33	23	1
10	16QAM	60	0	20.91	20.85	20.81	22	2
10	16QAM	60	20	20.91	20.85	20.81		
10	16QAM	60	40	20.82	20.89	20.81		
10	16QAM	60	60	20.82	20.89	20.81		
10	16QAM	60	80	20.82	20.89	20.81		
10	16QAM	60	100	20.82	20.89	20.81		
10	84QAM	1	25	21.34	21.26	21.13	22	2
10	84QAM	1	49	21.26	21.26	21.33		
10	84QAM	25	0	19.89	19.83	19.84		
10	84QAM	25	12	19.83	19.84	19.86		
10	84QAM	25	25	19.83	19.84	19.86		
10	84QAM	60	0	20.01	19.95	19.95	21	3
10	84QAM	60	20	19.95	19.95	19.95		
Channel				1915	1920	1925		
Frequency (MHz)				Ch / Freq	Ch / Freq	Ch / Freq		
5	QPSK	1	12	22.81	22.81	22.83	24	0
5	QPSK	1	12	22.80	22.81	22.83		
5	QPSK	12	0	21.86	21.83	21.91	23	1
5	QPSK	12	7	22.06	21.86	21.80		
5	QPSK	12	13	21.86	21.86	21.80		
5	QPSK	25	0	21.82	21.85	21.86	23	1
5	16QAM	1	12	22.17	22.03	22.33	23	1
5	16QAM	1	24	22.02	22.06	22.33		
5	16QAM	12	0	20.89	20.95	20.81	22	2
5	16QAM	12	7	20.89	20.95	20.79		
5	16QAM	12	13	20.88	20.95	20.79		
5	16QAM	25	0	20.89	20.99	20.87	22	2
5	16QAM	25	0	21.05	21.11	21.07		
5	84QAM	1	12	21.09	21.22	21.33	22	2
5	84QAM	1	24	21.17	21.08	21.00		
5	84QAM	12	0	20.07	19.86	20.00	21	3
5	84QAM	12	7	20.18	20.01	20.04		
5	84QAM	12	13	19.81	19.85	19.92		
5	84QAM	25	0	19.84	19.88	19.97		
Channel				1925	1930	1935		
Frequency (MHz)				Ch / Freq	Ch / Freq	Ch / Freq		
3	QPSK	1	0	22.84	22.80	22.84	24	0
3	QPSK	1	8	22.86	22.81	22.80		
3	QPSK	1	14	22.81	22.81	22.86		
3	QPSK	8	0	21.82	21.85	21.82	23	1
3	QPSK	8	7	21.86	21.82	21.86		
3	QPSK	15	0	21.89	21.81	21.87		
3	16QAM	1	8	21.86	22.01	21.86	23	1
3	16QAM	1	16	21.83	22.01	22.20		
3	16QAM	8	0	22.06	22.08	22.22	22	2
3	16QAM	8	7	21.10	20.90	21.08		
3	16QAM	8	14	21.06	20.98	20.92		
3	16QAM	15	0	21.14	20.84	21.15	22	2
3	84QAM	1	8	20.82	21.16	20.80		
3	84QAM	1	14	21.02	21.04	21.11		
3	84QAM	8	0	20.23	20.85	20.01	21	3
3	84QAM	8	4	20.05	20.09	19.86		
3	84QAM	8	7	20.07	20.00	19.89		
3	84QAM	15	0	19.84	19.88	19.97		
Channel				1935	1940	1945		
Frequency (MHz)				Ch / Freq	Ch / Freq	Ch / Freq		
1.4	QPSK	1	0	22.70	22.80	22.80	24	0
1.4	QPSK	1	3	22.84	22.80	22.84		
1.4	QPSK	1	6	22.86	22.82	22.81		
1.4	QPSK	3	0	21.85	22.85	22.86	23	1
1.4	QPSK	3	3	22.86	22.83	22.89		
1.4	16QAM	1	0	21.89	21.80	21.85	23	1
1.4	16QAM	1	3	22.03	22.08	22.00		
1.4	16QAM	1	6	22.04	22.04	21.96		
1.4	16QAM	3	0	22.05	22.05	22.00	22	2
1.4	16QAM	3	3	22.05	21.91	21.97		
1.4	84QAM	1	0	20.82	21.12	20.97		
1.4	84QAM	1	3	21.20	21.24	21.11		
1.4	84QAM	3	0	20.23	20.85	20.01	21	3
1.4	84QAM	3	3	21.03	21.16	21.13		
1.4	84QAM	3	6	20.84	21.13	21.04		
1.4	84QAM	6	0	20.00	19.91	19.90		

Band 5_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power (dBm)	Power (dBm)	Power (dBm)	Tune-up limit (dBm)	MFR (dB)
Channel				2060	2065	2060		
Frequency (MHz)				Ch / Freq	Ch / Freq	Ch / Freq		
10	QPSK	1	0	22.80	22.48	22.84	24	0
10	QPSK	1	26	22.73	22.94	22.77		
10	QPSK	1	49	22.75	22.80	22.69		
10	QPSK	1	74	22.75	22.80	22.69		
10	QPSK	25	12	21.71	21.53	21.76	23	1
10	QPSK	25	20	21.76	21.69	21.71		
10	QPSK	25	38	21.70	21.63	21.75		
10	16QAM	1	0	22.20	22.18	21.88	23	1
10	16QAM	1	24	22.20	22.30	21.88		
10	16QAM	1	49	22.22	21.85	21.84		
10	16QAM	1	74	22.22	21.85	21.84		
10	16QAM	25	12	20.75	20.88	20.72	22	2
10	16QAM	25	20	20.74	20.85	20.75		
10	16QAM	25	38	20.73	20.68	20.80		
10	84QAM	1	0	20.73	20.65	20.78	22	2
10	84QAM	1	24	20.70	20.63	20.67		
10	84QAM	1	49	20.85	20.70	20.75		
10	84QAM	25	0	19.79	19.83	19.85	21	3
10	84QAM	25	12	19.87	19.82	19.88		
10	84QAM	25	20	19.80	19.75	19.82		
10	84QAM	50	0	19.78	19.85	19.79		

LTE Band 38_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
37850										
38000										
38150										
20	QPSK	1	0	22.63	22.73	22.71	24	0		
20	QPSK	1	49	22.57	22.80	22.74				
20	QPSK	1	99	22.57	22.61	22.54				
20	QPSK	50	0	21.56	21.66	21.56				
20	QPSK	50	24	21.60	21.65	21.55	23	1		
20	QPSK	50	50	21.48	21.83	21.53				
20	QPSK	100	0	21.48	21.83	21.56				
20	16QAM	1	0	21.50	21.60	21.50				
20	16QAM	1	49	21.56	21.88	21.59	23	1		
20	16QAM	1	99	21.53	21.57	21.52				
20	16QAM	50	0	20.69	20.70	20.69				
20	16QAM	50	24	20.55	20.67	20.62				
20	16QAM	50	50	20.66	20.69	20.62	22	2		
20	16QAM	100	0	20.56	20.67	20.52				
20	64QAM	1	0	20.57	20.66	20.60				
20	64QAM	1	49	20.54	20.59	20.48				
20	64QAM	1	99	20.67	20.74	20.65	22	2		
20	64QAM	50	0	19.99	19.70	19.59				
20	64QAM	50	24	19.69	19.80	19.69				
20	64QAM	50	50	19.58	19.71	19.58				
20	64QAM	100	0	19.70	19.73	19.66	21	3		
Channel Frequency (MHz)										
37850										
38000										
38200										
15	QPSK	1	0	22.63	22.73	22.71	24	0		
15	QPSK	1	37	22.56	22.77	22.61				
15	QPSK	1	74	22.52	22.85	22.48				
15	QPSK	36	0	21.46	21.55	21.36				
15	QPSK	36	20	21.53	21.52	21.54	23	1		
15	QPSK	36	39	21.38	21.82	21.42				
15	QPSK	75	0	21.45	21.50	21.47				
15	16QAM	1	0	21.47	21.59	21.57				
15	16QAM	1	37	21.43	21.68	21.58	23	1		
15	16QAM	1	74	21.41	21.53	21.42				
15	16QAM	36	0	20.57	20.57	20.51				
15	16QAM	36	20	20.54	20.62	20.54				
15	16QAM	36	39	20.63	20.54	20.51	22	2		
15	16QAM	75	0	20.44	20.58	20.39				
15	16QAM	1	0	20.46	20.61	20.51				
15	64QAM	1	37	20.47	20.53	20.47				
15	64QAM	1	74	20.59	20.73	20.51	22	2		
15	64QAM	36	0	19.57	19.63	19.49				
15	64QAM	36	20	19.67	19.68	19.63				
15	64QAM	36	39	19.55	19.63	19.43				
15	64QAM	75	0	19.64	19.70	19.63	21	3		
Channel Frequency (MHz)										
37800										
38000										
38200										
10	QPSK	1	0	22.53	22.74	22.69	24	0		
10	QPSK	1	25	22.89	22.85	22.66				
10	QPSK	1	49	22.53	22.56	22.43				
10	QPSK	25	0	21.56	21.49	21.40				
10	QPSK	25	12	21.46	21.61	21.45	23	1		
10	QPSK	25	25	21.36	21.53	21.43				
10	QPSK	50	0	21.38	21.58	21.41				
10	16QAM	1	0	21.38	21.50	21.49				
10	16QAM	1	25	21.41	21.85	21.53	23	1		
10	16QAM	1	49	21.40	21.52	21.51				
10	16QAM	25	0	20.65	20.55	20.47				
10	16QAM	25	12	20.54	20.55	20.56				
10	16QAM	25	25	20.54	20.56	20.61	22	2		
10	16QAM	50	0	20.48	20.56	20.48				
10	64QAM	1	0	20.53	20.60	20.48				
10	64QAM	1	25	20.49	20.46	20.35				
10	64QAM	1	49	20.55	20.66	20.63	22	2		
10	64QAM	25	0	19.53	19.59	19.47				
10	64QAM	25	12	19.65	19.74	19.67				
10	64QAM	25	25	19.57	19.56	19.56				
10	64QAM	50	0	19.69	19.60	19.61	21	3		
Channel Frequency (MHz)										
37850										
38000										
38200										
5	QPSK	1	0	22.53	22.68	22.71	24	0		
5	QPSK	1	12	22.86	22.77	22.69				
5	QPSK	1	24	22.49	22.46	22.43				
5	QPSK	12	0	21.56	21.50	21.34				
5	QPSK	12	7	21.58	21.51	21.40	23	1		
5	QPSK	12	13	21.46	21.59	21.48				
5	QPSK	25	0	21.42	21.62	21.49				
5	16QAM	1	0	21.44	21.58	21.47				
5	16QAM	1	12	21.41	21.61	21.52	23	1		
5	16QAM	1	24	21.42	21.53	21.37				
5	16QAM	12	0	20.80	20.67	20.54				
5	16QAM	12	7	20.48	20.56	20.50				
5	16QAM	12	13	20.52	20.59	20.49	22	2		
5	16QAM	25	0	20.45	20.59	20.39				
5	64QAM	1	0	20.47	20.61	20.48				
5	64QAM	1	12	20.52	20.48	20.41				
5	64QAM	1	24	20.57	20.60	20.56	22	2		
5	64QAM	12	0	19.57	19.57	19.58				
5	64QAM	12	7	19.66	19.67	19.60				
5	64QAM	12	13	19.50	19.65	19.45				
5	64QAM	25	0	19.68	19.71	19.58	21	3		
Channel Frequency (MHz)										
2872.5										
2895										
2917.5										

LTE Band 41 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel Frequency (MHz)										
40140										
40400										
41140										
20	QPSK	1	0	22.45	22.73	22.62	24	0		
20	QPSK	1	49	22.66	22.80	22.65				
20	QPSK	1	99	22.75	22.75	22.60				
20	QPSK	50	0	21.77	21.68	21.56				
20	QPSK	50	24	21.85	21.73	21.57	23	1		
20	QPSK	50	50	21.82	21.67	21.51				
20	QPSK	100	0	21.82	21.74	21.52				
20	16QAM	1	0	21.76	21.73	21.53				
20	16QAM	1	49	22.00	21.82	21.82	23	1		
20	16QAM	1	99	21.83	21.65	21.64				
20	16QAM	50	0	19.73	19.69	19.48				
20	16QAM	50	24	20.90	20.70	20.59				
20	16QAM	50	50	20.81	20.71	20.52	22	2		
20	16QAM	100	0	20.82	20.75	20.44				
20	64QAM	1	0	20.78	20.65	20.59				
20	64QAM	1	49	20.86	20.72	20.56				
20	64QAM	1	99	20.66	20.64	20.50	22	2		
20	64QAM	50	0	19.75	19.69	19.48				
20	64QAM	50	24	19.75	19.75	19.57				
20	64QAM	50	50	19.80	19.71	19.52				
20	64QAM	100	0	19.79	19.77	19.48	21	3		
Channel Frequency (MHz)										
2842.5										
2895.5										
2947.5										
15	QPSK	1	0	22.61	22.71	22.59	24	0		
15	QPSK	1	37	22.59	22.86	22.68				
15	QPSK	1	74	22.63	22.84	22.58				
15	QPSK	36	0	21.66	21.65	21.44				
15	QPSK	36	20	21.77	21.60	21.53	23	1		
15	QPSK	36	39	21.74	21.54	21.44				
15	QPSK	75	0	21.69	21.62	21.44				
15	16QAM	1	0	21.70	21.64	21.38				
15	16QAM	1	37	21.69	21.91	21.76	23	1		
15	16QAM	1	74	21.75	21.55	21.60				
15	16QAM	36	0	20.62	20.61	20.39				
15	16QAM	36	20	20.79	20.65	20.45				
15	16QAM	36	39	20.67	20.65	20.45	22	2		
15	16QAM	75	0	20.67	20.74	20.35				
15	64QAM	1	0	20.84	20.64	20.54				
15	64QAM	1	37	20.73	20.63	20.53				
15	64QAM	1	74	20.94	20.97	20.38	22	2		
15	64QAM	36	0	19.65	19.36	19.31				
15	64QAM	36	20	19.72	19.64	19.44				
15	64QAM	36	39	19.68	19.70	19.47				
15	64QAM	75	0	19.68	19.67	19.35	21	3		
Channel Frequency (MHz)										
40930										
40990										
41190										
10	QPSK	1	0	22.62	22.67	22.61	24	0		
10	QPSK	1	25	22.86	22.86	22.67				
10	QPSK	1	49	22.71	22.65	22.46				
10	QPSK	25	0	21.63	21.59	21.48				
10	QPSK	25	12	21.82	21.84	21.47	23	1		
10	QPSK	25	25	21.88	21.57	21.44				
10	QPSK	50	0	21.76	21.58	21.44				
10	16QAM	1	0	21.70	21.71	21.44				
10	16QAM	1	25	21.85	21.78	21.81	23	1		
10	16QAM	1	49	21.77	21.64	21.52				
10	16QAM	25	0	20.66	20.65	20.46				
10	16QAM	25	12	20.67	20.58	20.58				
10	16QAM	25	25	20.72	20.58	20.45	22	2		
10	16QAM	50	0	20.71	20.68	20.45				



Reduced Power for DS12

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	726	789	851		726	789	851		
GSM850_Ant 0	726	789	851	726	789	851	726	789	851
TX Channel	824.2	836.4	848.6	824.2	836.4	848.6	824.2	836.4	848.6
Frequency (MHz)	32.09	32.13	32.11	33.50	23.09	23.13	23.11	24.50	
GSM 1 Tx slot	32.11	32.15	32.12	33.50	23.11	23.15	23.12	24.50	
GPRS 1 Tx slots	30.13	30.16	30.16	31.50	24.13	24.16	24.16	25.50	
GPRS 3 Tx slots	28.10	28.11	28.10	29.50	23.84	23.85	23.84	25.24	
GPRS 4 Tx slots	26.22	26.24	26.25	27.50	23.22	23.24	23.25	24.50	
EDGE 1 Tx slot	26.14	26.22	26.19	27.50	17.14	17.22	17.19	18.50	
EDGE 2 Tx slots	23.01	23.01	22.77	25.50	18.01	18.91	18.77	19.50	
EDGE 3 Tx slots	22.94	23.01	22.84	23.50	18.68	18.75	18.58	19.24	
EDGE 4 Tx slots	20.57	20.51	20.43	21.00	17.57	17.51	17.43	18.00	

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	
	512	661	810		512	661	810		
GSM1900_Ant 0	512	661	810	512	661	810	512	661	810
TX Channel	1850.2	1880	1909.8	1850.2	1880	1909.8	1850.2	1880	1909.8
Frequency (MHz)	29.88	29.81	29.80	30.50	20.88	20.81	20.80	21.50	
GSM 1 Tx slot	29.87	29.80	29.60	30.50	20.87	20.80	20.60	21.50	
GPRS 1 Tx slot	27.85	27.87	27.70	28.50	21.85	21.87	21.70	22.50	
GPRS 3 Tx slots	25.77	25.79	25.73	26.50	21.51	21.53	21.47	22.24	
GPRS 4 Tx slots	23.73	23.79	23.78	24.50	20.73	20.79	20.78	21.50	
EDGE 1 Tx slot	26.01	25.87	25.84	26.50	17.01	16.87	16.84	17.50	
EDGE 2 Tx slots	24.31	24.30	24.21	24.50	18.31	18.30	18.21	18.50	
EDGE 3 Tx slots	22.29	22.27	22.12	22.50	18.03	18.01	17.86	18.24	
EDGE 4 Tx slots	20.26	20.10	20.14	20.50	17.26	17.10	17.14	17.50	

Band	WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)	
	9262	9400	9538		4357	4482	4633		
TX Channel	9662	9800	9938	9662	9800	9938	9662	9800	9938
Rx Channel	10324	10300	10076	10324	10300	10076	10324	10300	10076
Frequency (MHz)	23.20	23.10	23.10	24.00	22.70	22.92	22.86	24.00	
3GPP Rel 99	AMR 12.2Kbps	23.25	23.25	23.21	24.00	22.92	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-1	22.31	22.23	22.21	23.00	21.94	21.93	21.91	23.00
3GPP Rel 6	HSDPA Subtest-2	22.21	22.16	22.12	23.00	21.91	21.84	21.89	23.00
3GPP Rel 6	HSDPA Subtest-3	21.67	21.65	21.59	22.50	21.35	21.40	21.34	22.50
3GPP Rel 6	HSDPA Subtest-4	21.63	21.64	21.57	22.50	21.42	21.37	21.35	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.28	22.17	22.16	23.00	21.90	21.86	21.87	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	22.19	22.15	22.11	23.00	21.87	21.77	21.85	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	21.56	21.53	21.49	22.50	21.33	21.34	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	21.53	21.55	21.47	22.50	21.36	21.37	21.32	22.50
3GPP Rel 6	HSUPA Subtest-1	20.84	20.84	20.80	21.50	20.46	20.49	20.50	21.50
3GPP Rel 6	HSUPA Subtest-2	20.84	20.83	20.77	21.50	20.55	20.52	20.43	21.50
3GPP Rel 6	HSUPA Subtest-3	21.79	21.84	21.75	22.50	21.45	21.45	21.43	22.50
3GPP Rel 6	HSUPA Subtest-4	20.26	20.25	20.34	21.00	20.02	20.04	19.94	21.00
3GPP Rel 6	HSUPA Subtest-5	21.70	21.70	21.60	22.50	21.40	21.40	21.40	22.50
3GPP Rel 7	HSPA+ (HS-AM) Subtest-1	20.14	20.06	20.09	21.50	19.77	19.82	19.81	21.50

Band 2_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MFR (dB)
				Ch / Freq	Ch / Freq	Ch / Freq		
Channel								
Frequency (MHz)								
20	QPSK	1	0	22.74	22.82	22.84	24	0
20	QPSK	1	49	22.85	22.93	22.70		
20	QPSK	1	99	22.58	22.83	22.70		
20	QPSK	1	149	22.85	22.83	22.70		
20	QPSK	60	24	21.82	21.86	21.81	23	1
20	QPSK	60	50	21.76	21.84	21.80		
20	QPSK	60	99	21.82	21.80	21.86		
20	16QAM	1	0	21.86	21.87	21.86		
20	16QAM	1	49	21.86	21.87	21.86	23	1
20	16QAM	1	99	21.86	22.03	21.83		
20	16QAM	1	149	21.86	22.03	21.83		
20	16QAM	60	24	20.88	20.88	20.84	22	2
20	16QAM	60	50	20.87	20.91	20.78		
20	16QAM	60	99	20.87	20.91	20.78		
20	64QAM	1	0	20.81	20.87	20.78		
20	64QAM	1	49	21.13	21.13	21.07	22	2
20	64QAM	1	99	21.03	20.86	20.85		
20	64QAM	60	24	19.86	19.87	19.86		
20	64QAM	60	50	20.01	19.86	19.85	21	3
20	64QAM	60	99	19.86	19.85	19.86		
Channel								
Frequency (MHz)								
15	QPSK	1	0	22.62	22.81	22.71	24	0
15	QPSK	1	37	22.65	22.80	22.72		
15	QPSK	1	74	22.66	22.74	22.71		
15	QPSK	36	0	21.85	21.87	21.84	23	1
15	QPSK	36	20	22.03	21.87	21.89		
15	QPSK	36	39	21.85	21.87	21.84		
15	QPSK	75	0	21.84	21.81	21.83		
15	16QAM	1	37	22.09	22.15	22.19	23	1
15	16QAM	1	74	21.85	21.84	22.15		
15	16QAM	36	0	20.84	20.82	20.89	22	2
15	16QAM	36	20	20.83	20.83	20.78		
15	16QAM	36	39	20.83	20.81	20.81		
15	16QAM	75	0	20.83	20.81	20.81		
15	64QAM	1	37	21.07	21.11	21.05	22	2
15	64QAM	1	74	20.76	20.85	21.08		
15	64QAM	36	0	20.82	19.84	19.87	21	3
15	64QAM	36	20	20.24	19.85	19.89		
15	64QAM	36	39	19.87	19.85	19.86		
15	64QAM	75	0	19.81	19.85	19.90		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.81	22.81	22.81	24	0
10	QPSK	1	25	22.83	22.81	22.87		
10	QPSK	1	49	22.81	22.74	22.88		
10	QPSK	1	74	21.85	21.85	21.88	23	1
10	QPSK	25	12	21.87	21.88	21.85		
10	QPSK	25	25	21.87	21.88	21.85		
10	QPSK	60	0	22.20	21.80	21.81	23	1
10	QPSK	60	30	22.20	22.09	22.06		
10	16QAM	1	25	22.18	22.39	22.33	23	1
10	16QAM	1	49	22.18	22.39	22.33		
10	16QAM	25	0	20.71	20.85	20.90	22	2
10	16QAM	25	12	21.04	20.99	20.81		
10	16QAM	25	25	20.88	20.92	20.81		
10	16QAM	60	0	20.82	20.84	20.86	21	3
10	16QAM	60	24	20.81	19.85	19.85		
10	64QAM	1	25	21.34	21.26	21.13	22	2
10	64QAM	1	49	21.85	21.85	21.85		
10	64QAM	25	0	19.83	19.83	19.84		
10	64QAM	25	12	20.83	19.84	19.86		
10	64QAM	25	25	20.83	19.83	19.83		
10	64QAM	60	0	20.01	19.85	19.85	21	3
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.81	22.81	22.81	24	0
5	QPSK	1	12	22.80	22.81	22.83		
5	QPSK	1	14	22.81	22.81	22.81		
5	QPSK	12	0	21.86	21.83	21.81	23	1
5	QPSK	12	7	22.06	21.86	21.80		
5	QPSK	12	13	21.85	21.85	21.80		
5	QPSK	25	0	21.82	21.85	21.86	23	1
5	16QAM	1	12	22.17	22.03	22.33	23	1
5	16QAM	1	24	22.17	22.03	22.33		
5	16QAM	12	0	20.89	20.95	20.81	22	2
5	16QAM	12	7	20.89	20.95	20.81		
5	16QAM	12	13	20.88	20.95	20.79		
5	16QAM	25	0	20.89	20.96	20.87	22	2
5	16QAM	25	0	20.89	20.96	20.87		
5	16QAM	19	0	20.88	20.75	20.82		
5	64QAM	1	12	21.09	21.22	21.33	22	2
5	64QAM	1	24	21.17	21.08	21.00		
5	64QAM	12	0	20.87	19.88	19.90		
5	64QAM	12	7	20.78	20.01	20.04	21	3
5	64QAM	12	13	19.81	19.85	19.92		
5	64QAM	25	0	19.84	19.88	19.97		
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.81	22.80	22.83	24	0
3	QPSK	1	8	22.86	22.81	22.80		
3	QPSK	1	14	22.81	22.81	22.88		
3	QPSK	8	0	21.82	21.85	21.82	23	1
3	QPSK	8	7	21.85	21.85	21.85		
3	QPSK	8	7	21.85	21.82	21.87		
3	16QAM	1	0	21.83	21.81	21.87	23	1
3	16QAM	1	8	21.85	21.85	21.86		
3	16QAM	1	14	21.83	22.01	22.20		
3	16QAM	8	0	22.06	22.08	22.22	22	2
3	16QAM	8	7	21.10	20.90	21.08		
3	16QAM	8	7	21.10	20.90	21.08		
3	64QAM	1	0	21.14	20.84	21.15	22	2
3	64QAM	1	8	20.82	21.16	20.80		
3	64QAM	1	14	21.02	21.04	21.11		
3	64QAM	8	0	20.23	20.85	20.91	21	3
3	64QAM	8	4	20.85	20.89	19.86		
3	64QAM	8	7	20.07	20.00	19.89		
3	64QAM	15	0	19.84	19.88	19.97		
Channel								
Frequency (MHz)								
1.4	QPSK	1	0	22.79	22.80	22.80	24	0
1.4	QPSK	1	3	22.84	22.80	22.84		
1.4	QPSK	1	5	22.84	22.80	22.78		
1.4	QPSK	3	0	22.86	22.82	22.81		
1.4	QPSK	3	1	22.85	22.85	22.85		
1.4	QPSK	3	3	22.86	22.83	22.89	23	1
1.4	16QAM	1	0	21.89	21.80	21.85	23	1
1.4	16QAM	1	0	22.03	22.08	22.00		
1.4	16QAM	1	5	22.24	22.21	21.96		
1.4	16QAM	3	0	21.87	21.89	21.85	22	2
1.4	16QAM	3	1	21.86	22.00	21.86		
1.4	16QAM	3	3	22.05	21.91	21.97	22	2
1.4	64QAM	1	0	20.82	21.12	20.97		
1.4	64QAM	1	3	21.20	21.24	21.11	22	2
1.4	64QAM	1	5	21.08	20.88	20.94		
1.4	64QAM	3	0	21.13	21.16	21.13		
1.4	64QAM	3	3	20.84	21.13	21.04	21	3
1.4	64QAM	6	0	20.90	19.91	19.90		

Band 5_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MFR (dB)
				Ch / Freq	Ch / Freq	Ch / Freq		
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.80	22.48	22.84	24	0
10	QPSK	1	26	22.83	22.47	22.81		
10	QPSK	1	49	22.78	22.80	22.69		
10	QPSK	1	74	22.78	22.80	22.69		
10	QPSK	25	12	21.81	21.83	21.78	23	1
10	QPSK	25	20	21.76	21.89	21.71		
10	QPSK	25	49	21.70	21.83	21.75		
10	16QAM	1	0	22.20	22.18	21.88	23	1
10	16QAM	1	24	22.20	22.30	21.88		
10	16QAM	1	49	22.22	21.85	21.84		
10	16QAM	1	74	22.22	21.85	21.84		
10	16QAM	25	12	20.75	20.88	20.72	22	2
10	16QAM	25	20	20.74	20.85	20.75		
10	16QAM	25	49	20.73	20.68	20.80		
10	64QAM	1	0	20.73	20.65	20.78	22	2
10	64QAM	1	24	20.70	20.83	20.87		
10	64QAM	1	49	20.85	20.70	20.75		
10	64QAM	25	0	19.78	19.83	19.82	21	3
10	64QAM	25	12	19.87	19.82	19.88		
10	64QAM	25	20	19.78	19.85	19.79		
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.83				

LTE Band 38_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
20	QPSK	1	0	22.63	22.73	22.71	24	0
20	QPSK	1	49	22.57	22.80	22.74		
20	QPSK	1	99	22.57	22.61	22.54		
20	QPSK	50	0	21.50	21.60	21.50	23	1
20	QPSK	50	24	21.60	21.55	21.55		
20	QPSK	50	50	21.48	21.83	21.53		
20	16QAM	1	0	21.50	21.60	21.50	23	1
20	16QAM	1	49	21.56	21.89	21.59		
20	16QAM	1	99	21.53	21.57	21.52		
20	16QAM	50	0	20.69	20.70	20.69	22	2
20	16QAM	50	24	20.55	20.67	20.62		
20	16QAM	50	50	20.66	20.69	20.62		
20	64QAM	1	0	20.57	20.66	20.57	22	2
20	64QAM	1	49	20.54	20.59	20.48		
20	64QAM	1	99	20.67	20.74	20.65		
20	64QAM	50	0	19.99	19.70	19.59	21	3
20	64QAM	50	24	19.69	19.80	19.69		
20	64QAM	50	50	19.58	19.71	19.58		
20	64QAM	100	0	19.70	19.73	19.66		
Channel Frequency (MHz)								
15	QPSK	1	0	22.63	22.73	22.71	24	0
15	QPSK	1	37	22.56	22.77	22.61		
15	QPSK	1	74	22.50	22.85	22.48		
15	QPSK	36	0	21.46	21.55	21.36	23	1
15	QPSK	36	20	21.53	21.52	21.54		
15	QPSK	36	39	21.38	21.82	21.42		
15	QPSK	75	0	21.45	21.50	21.47	23	1
15	16QAM	1	0	21.47	21.59	21.57		
15	16QAM	1	37	21.43	21.68	21.58		
15	16QAM	1	74	21.41	21.53	21.42	22	2
15	16QAM	36	0	20.57	20.57	20.51		
15	16QAM	36	20	20.54	20.62	20.54		
15	16QAM	36	39	20.63	20.54	20.51	22	2
15	16QAM	75	0	20.44	20.58	20.39		
15	16QAM	75	0	20.46	20.61	20.51		
15	64QAM	1	0	20.46	20.53	20.47	22	2
15	64QAM	1	37	20.47	20.53	20.47		
15	64QAM	1	74	20.59	20.73	20.51		
15	64QAM	36	0	19.57	19.63	19.49	21	3
15	64QAM	36	20	19.67	19.68	19.63		
15	64QAM	36	39	19.55	19.63	19.43		
15	64QAM	75	0	19.64	19.70	19.63		
Channel Frequency (MHz)								
10	QPSK	1	0	22.53	22.74	22.69	24	0
10	QPSK	1	25	22.89	22.85	22.66		
10	QPSK	1	49	22.53	22.56	22.43		
10	QPSK	25	0	21.56	21.49	21.40	23	1
10	QPSK	25	12	21.46	21.45	21.45		
10	QPSK	25	25	21.36	21.53	21.43		
10	QPSK	50	0	21.38	21.58	21.41	23	1
10	16QAM	1	0	21.36	21.50	21.49		
10	16QAM	1	25	21.41	21.85	21.53		
10	16QAM	1	49	21.40	21.52	21.51	22	2
10	16QAM	25	0	20.65	20.55	20.47		
10	16QAM	25	12	20.54	20.55	20.56		
10	16QAM	25	25	20.54	20.56	20.61	22	2
10	16QAM	50	0	20.48	20.56	20.48		
10	64QAM	1	0	20.53	20.60	20.45		
10	64QAM	1	25	20.49	20.46	20.35	22	2
10	64QAM	1	49	20.55	20.66	20.63		
10	64QAM	25	0	19.53	19.59	19.47		
10	64QAM	25	12	19.65	19.74	19.47	21	3
10	64QAM	25	25	19.57	19.56	19.56		
10	64QAM	50	0	19.69	19.60	19.61		
Channel Frequency (MHz)								
5	QPSK	1	0	22.53	22.68	22.71	24	0
5	QPSK	1	12	22.86	22.77	22.69		
5	QPSK	1	24	22.49	22.46	22.43		
5	QPSK	12	0	21.56	21.50	21.34	23	1
5	QPSK	12	7	21.58	21.51	21.40		
5	QPSK	12	13	21.46	21.59	21.46		
5	QPSK	25	0	21.42	21.62	21.49	23	1
5	16QAM	1	0	21.44	21.58	21.47		
5	16QAM	1	12	21.41	21.61	21.52		
5	16QAM	1	24	21.42	21.53	21.37	22	2
5	16QAM	12	0	20.80	20.67	20.54		
5	16QAM	12	7	20.48	20.56	20.50		
5	16QAM	12	13	20.52	20.59	20.49	22	2
5	16QAM	25	0	20.45	20.59	20.39		
5	64QAM	1	0	20.47	20.61	20.48		
5	64QAM	1	12	20.52	20.48	20.41	22	2
5	64QAM	1	24	20.57	20.60	20.56		
5	64QAM	12	0	19.57	19.57	19.58		
5	64QAM	12	7	19.66	19.67	19.60	21	3
5	64QAM	12	13	19.50	19.65	19.45		
5	64QAM	25	0	19.68	19.71	19.58		

LTE Band 41 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel Frequency (MHz)								
20	QPSK	1	0	22.45	22.73	22.62	24	0
20	QPSK	1	49	22.95	22.80	22.65		
20	QPSK	1	99	22.75	22.75	22.60		
20	QPSK	50	0	21.77	21.68	21.55	23	1
20	QPSK	50	24	21.85	21.73	21.57		
20	QPSK	50	50	21.82	21.67	21.51		
20	16QAM	1	0	21.76	21.74	21.52	23	1
20	16QAM	1	49	22.00	21.82	21.61		
20	16QAM	1	99	21.83	21.65	21.64		
20	16QAM	50	0	20.75	20.71	20.53	22	2
20	16QAM	50	24	20.90	20.70	20.59		
20	16QAM	50	50	20.81	20.71	20.52		
20	64QAM	1	0	20.78	20.75	20.44	22	2
20	64QAM	1	49	20.86	20.72	20.56		
20	64QAM	1	99	20.66	20.64	20.50		
20	64QAM	50	0	19.73	19.69	19.46	21	3
20	64QAM	50	24	19.75	19.75	19.47		
20	64QAM	50	50	19.80	19.71	19.52		
20	64QAM	100	0	19.79	19.77	19.48		
Channel Frequency (MHz)								
15	QPSK	1	0	22.61	22.71	22.59	24	0
15	QPSK	1	37	22.59	22.86	22.68		
15	QPSK	1	74	22.63	22.84	22.58		
15	QPSK	36	0	21.66	21.65	21.44	23	1
15	QPSK	36	20	21.77	21.60	21.53		
15	QPSK	36	39	21.74	21.54	21.44		
15	QPSK	75	0	21.69	21.62	21.44	23	1
15	16QAM	1	0	21.70	21.64	21.38		
15	16QAM	1	37	21.69	21.91	21.76		
15	16QAM	1	74	21.75	21.55	21.60	22	2
15	16QAM	36	0	20.62	20.61	20.39		
15	16QAM	36	20	20.79	20.65	20.45		
15	16QAM	36	39	20.67	20.65	20.45	22	2
15	16QAM	75	0	20.67	20.74	20.35		
15	16QAM	75	0	20.84	20.64	20.54		
15	64QAM	1	0	20.73	20.63	20.53	22	2
15	64QAM	1	37	20.94	20.67	20.38		
15	64QAM	1	74	20.84	20.67	20.38		
15	64QAM	36	0	19.65	19.36	19.31	21	3
15	64QAM	36	20	19.72	19.64	19.44		
15	64QAM	36	39	19.68	19.70	19.47		
15	64QAM	75	0	19.68	19.67	19.35		
Channel Frequency (MHz)								
10	QPSK	1	0	22.62	22.67	22.61	24	0
10	QPSK	1	25	22.86	22.86	22.67		
10	QPSK	1	49	22.71	22.65	22.54		
10	QPSK	25	0	21.83	21.89	21.46	23	1
10	QPSK	25	12	21.82	21.84	21.47		
10	QPSK	25	25	21.68	21.57	21.44		
10	QPSK	50	0	21.76	21.88	21.44	23	1
10	16QAM	1	0	21.70	21.71	21.44		
10	16QAM	1	25	21.85	21.78	21.81		
10	16QAM	1	49	21.77	21.64	21.52	22	2
10	16QAM	25	0	20.66	20.65	20.46		
10	16QAM	25	12	20.87	20.58	20.58		
10	16QAM	25	25	20.72	20.58	20.45	22	2
10	16QAM	50	0	20.71	20.68	20.45		
10	64QAM	1	0	20.70	20.65	20.40		
10	64QAM	1	25	20.77	20.67	20.53	22	2
10	64QAM	1	49	20.62	20.60	20.37		
10	64QAM	25	0	19.60	19.56	19.38		
10	64QAM	25	12	19.65	19.64	19.44	21	3
10	64QAM	25	25	19.79	19.60	19.42		
10	64QAM	50	0	19.77	19.68	19.37		
Channel Frequency (MHz)								
5	QPSK	1	0	22.65	22.65	22.59	24	0
5	QPSK	1	12	22.93	22.83	22.56		
5	QPSK	1	24					



Reduced Power for DS13

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	178	189		251	178	189	
Frequency (MHz)	874.2	836.4	848.8	(dBm)	874.2	836.4	848.8	(dBm)
GSM 1 Tx slot	29.64	29.65	29.60	31.00	20.64	20.65	20.60	22.00
GPRS 1 Tx slot	29.63	29.60	29.55	31.00	20.63	20.60	20.55	22.00
GPRS 2 Tx slots	27.43	27.60	27.57	29.00	21.53	21.60	21.57	23.00
GPRS 3 Tx slots	25.42	25.50	25.46	27.00	21.16	21.24	21.20	22.74
GPRS 4 Tx slots	23.64	23.70	23.67	25.00	20.64	20.70	20.67	22.00
EDGE 1 Tx slot	23.84	23.72	23.69	25.00	14.84	14.72	14.69	16.00
EDGE 2 Tx slots	22.51	22.41	22.27	23.00	16.51	16.41	16.27	17.00
EDGE 3 Tx slots	20.44	20.51	20.34	21.00	16.18	16.25	16.08	16.74
EDGE 4 Tx slots	18.07	18.01	17.93	18.50	15.07	15.01	14.93	15.50

GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	512	561		810	512	561	
Frequency (MHz)	1850.2	1880	1909.8	(dBm)	1850.2	1880	1909.8	(dBm)
GSM 1 Tx slot	20.87	20.68	20.55	21.50	11.87	11.68	11.55	12.50
GPRS 1 Tx slot	20.86	20.66	20.54	21.50	11.86	11.66	11.54	12.50
GPRS 2 Tx slots	18.73	18.85	18.70	19.50	12.73	12.85	12.70	13.50
GPRS 3 Tx slots	16.72	16.77	16.66	17.50	12.46	12.51	12.40	13.24
GPRS 4 Tx slots	15.20	15.23	15.22	15.50	12.20	12.25	12.22	12.50
EDGE 1 Tx slot	17.03	16.86	16.78	17.50	8.03	7.86	7.78	8.50
EDGE 2 Tx slots	15.18	15.15	15.17	15.50	9.18	9.15	9.17	9.50
EDGE 3 Tx slots	13.24	13.23	13.05	13.50	8.98	8.97	8.79	9.24
EDGE 4 Tx slots	11.21	10.94	10.99	11.50	8.21	7.94	7.99	8.50

Band	WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
	Rx Channel	9262	9400		9538	4132	4182	
Frequency (MHz)	9662	9800	9938	(dBm)	4357	4407	4458	(dBm)
3GPP Rel 99	AMR 12.2Kbps	16.19	16.17	16.12	17.00	21.20	21.20	22.50
3GPP Rel 99	RMC 12.2Kbps	16.20	16.22	16.15	17.00	21.22	21.34	22.50
3GPP Rel 6	HSDPA_Subtest1	15.08	15.11	15.06	16.00	20.43	20.47	21.50
3GPP Rel 6	HSDPA_Subtest2	14.91	15.03	14.90	16.00	20.36	20.32	21.50
3GPP Rel 6	HSDPA_Subtest3	14.46	14.48	14.39	15.50	19.92	19.98	21.00
3GPP Rel 6	HSDPA_Subtest4	14.48	14.45	14.35	15.50	19.93	19.84	21.00
3GPP Rel 8	DC-HSDPA_Subtest-1	15.13	14.97	14.97	16.00	20.46	20.38	21.50
3GPP Rel 8	DC-HSDPA_Subtest-2	15.05	14.92	15.00	16.00	20.40	20.34	21.50
3GPP Rel 8	DC-HSDPA_Subtest-3	14.31	14.40	14.37	15.50	19.90	19.93	21.00
3GPP Rel 8	DC-HSDPA_Subtest-4	14.32	14.37	14.43	15.50	19.89	19.84	21.00
3GPP Rel 6	HSUPA_Subtest1	13.70	13.57	13.71	14.50	18.97	18.98	20.00
3GPP Rel 6	HSUPA_Subtest2	13.70	13.68	13.48	14.50	19.00	19.04	20.00
3GPP Rel 6	HSUPA_Subtest3	14.62	14.75	14.55	15.50	20.04	20.04	21.00
3GPP Rel 6	HSUPA_Subtest4	13.18	13.03	13.17	14.00	18.56	18.55	19.50
3GPP Rel 6	HSUPA_Subtest5	14.60	14.42	14.37	15.50	19.97	19.90	21.00
3GPP Rel 7	HSPA+ (15QAM) Subtest-1	12.95	12.99	12.99	14.50	18.27	18.30	20.00

Band 2_Ant 0

Channel	Frequency (MHz)	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dB)	MFR (dB)		
Channel								
18700								
18800								
18900								
20	QPSK	1	0	15.88	15.77	15.76	17	0
20	QPSK	1	49	15.88	15.84	15.79		
20	QPSK	1	99	15.89	15.78	15.78		
20	QPSK	1	149	15.90	15.79	15.79		
20	QPSK	60	24	14.30	14.07	14.02	16	1
20	QPSK	60	50	14.84	14.81	14.72		
20	QPSK	60	9	14.84	14.81	14.74		
20	16QAM	1	0	15.13	14.69	15.03		
20	16QAM	1	49	15.13	14.69	15.03		
20	16QAM	1	99	14.69	14.84	14.86	16	1
20	16QAM	60	0	13.85	13.88	13.76		
20	16QAM	60	24	13.81	13.82	13.91		
20	16QAM	60	50	13.85	13.82	13.76		
20	16QAM	60	9	13.81	13.82	13.74		
20	8QAM	1	0	14.00	13.88	13.92		
20	8QAM	1	49	13.73	13.77	13.73	15	2
20	8QAM	60	0	13.83	13.80	13.77		
20	8QAM	60	24	12.80	12.84	12.77	14	3
20	8QAM	60	50	12.80	12.84	12.77		
20	8QAM	60	9	12.79	12.82	12.78		
Channel								
18925								
19025								
19125								
19225								
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LTE Band 38_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.71	14.81	14.77	16	0		
20	QPSK	1	49	14.75	14.83	14.79				
20	QPSK	1	99	14.59	14.64	14.54				
20	QPSK	50	0	13.57	13.56	13.57				
20	QPSK	50	24	13.66	13.65	13.61	15	1		
20	QPSK	50	0	13.45	13.88	13.53				
20	QPSK	100	0	13.48	13.59	13.51				
20	QPSK	1	0	13.27	13.68	13.69				
20	16QAM	1	49	13.55	13.72	13.64	15	1		
20	16QAM	1	99	13.54	13.57	13.51				
20	16QAM	50	0	13.76	12.66	12.63				
20	16QAM	50	24	12.61	12.66	12.67				
20	16QAM	50	0	12.70	12.78	12.58	14	2		
20	16QAM	100	0	12.25	12.66	12.52				
20	16QAM	1	0	12.54	12.73	12.61				
20	16QAM	1	49	12.53	12.83	12.52				
20	64QAM	1	99	12.63	12.71	12.65	14	2		
20	64QAM	50	0	11.57	11.66	11.63				
20	64QAM	50	24	11.74	11.76	11.68				
20	64QAM	50	0	11.65	11.76	11.55				
20	64QAM	100	0	11.67	11.82	11.74	13	3		
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.63	14.68	14.67			16	0
15	QPSK	1	37	14.63	14.74	14.76				
15	QPSK	1	74	14.46	14.55	14.55				
15	QPSK	36	0	13.55	13.43	13.42				
15	QPSK	36	20	13.64	13.60	13.56	15	1		
15	QPSK	36	39	13.38	13.64	13.47				
15	QPSK	75	0	13.39	13.50	13.44				
15	QPSK	1	0	13.47	13.53	13.53				
15	16QAM	1	37	13.42	13.65	13.54	15	1		
15	16QAM	1	74	13.47	13.50	13.42				
15	16QAM	36	0	12.72	12.53	12.59				
15	16QAM	36	20	12.55	12.56	12.61				
15	16QAM	36	39	12.66	12.77	12.45	14	2		
15	16QAM	75	0	12.47	12.65	12.42				
15	16QAM	1	0	12.40	12.59	12.46				
15	16QAM	1	37	12.49	12.50	12.37				
15	64QAM	1	74	12.54	12.66	12.58	14	2		
15	64QAM	36	0	11.55	11.61	11.58				
15	64QAM	36	20	11.73	11.66	11.57				
15	64QAM	36	39	11.54	11.66	11.41				
15	64QAM	75	0	11.56	11.68	11.62	13	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.57	14.69	14.54			16	0
10	QPSK	1	25	14.73	14.75	14.77				
10	QPSK	1	49	14.54	14.53	14.39				
10	QPSK	25	0	13.44	13.43	13.39				
10	QPSK	25	12	13.55	13.61	13.58	15	1		
10	QPSK	25	25	13.36	13.60	13.43				
10	QPSK	50	0	13.39	13.56	13.37				
10	16QAM	1	0	13.47	13.62	13.53				
10	16QAM	1	25	13.50	13.65	13.59	15	1		
10	16QAM	1	49	13.41	13.53	13.37				
10	16QAM	25	0	12.68	12.83	12.56				
10	16QAM	25	12	12.55	12.60	12.57				
10	16QAM	25	25	12.67	12.66	12.43	14	2		
10	16QAM	50	0	12.51	12.53	12.47				
10	64QAM	1	0	12.49	12.65	12.50				
10	64QAM	1	25	12.51	12.59	12.50				
10	64QAM	1	49	12.48	12.69	12.54	14	2		
10	64QAM	25	0	11.53	11.64	11.49				
10	64QAM	25	12	11.59	11.65	11.54				
10	64QAM	25	25	11.52	11.67	11.49				
10	64QAM	50	0	11.80	11.77	11.68	13	3		
Channel										
Frequency (MHz)										
5	QPSK	1	0	14.66	14.71	14.73			16	0
5	QPSK	1	12	14.66	14.82	14.71				
5	QPSK	1	24	14.56	14.51	14.46				
5	QPSK	12	0	13.43	13.44	13.46				
5	QPSK	12	7	13.52	13.59	13.54	15	1		
5	QPSK	12	13	13.38	13.64	13.46				
5	QPSK	25	0	13.33	13.52	13.37				
5	16QAM	1	0	13.54	13.53	13.58				
5	16QAM	1	12	13.46	13.57	13.49	15	1		
5	16QAM	1	24	13.48	13.44	13.42				
5	16QAM	12	0	12.74	12.58	12.48				
5	16QAM	12	7	12.50	12.64	12.56				
5	16QAM	12	13	12.66	12.77	12.56	14	2		
5	16QAM	25	0	12.53	12.62	12.43				
5	64QAM	1	0	12.43	12.71	12.53				
5	64QAM	1	12	12.44	12.53	12.39				
5	64QAM	1	24	12.55	12.70	12.63	14	2		
5	64QAM	12	0	11.48	11.64	11.60				
5	64QAM	12	7	11.66	11.66	11.64				
5	64QAM	12	13	11.51	11.70	11.54				
5	64QAM	25	0	11.57	11.70	11.63	13	3		

LTE Band 41 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)		
Channel										
Frequency (MHz)										
20	QPSK	1	0	14.77	14.80	14.73	16	0		
20	QPSK	1	49	14.90	14.81	14.82				
20	QPSK	1	99	14.73	14.68	14.62				
20	QPSK	50	0	13.74	13.67	13.57				
20	QPSK	50	24	13.75	13.68	13.65	15	1		
20	QPSK	50	0	13.89	13.51	13.83				
20	QPSK	100	0	13.70	13.67	13.57				
20	16QAM	1	0	13.45	13.46	13.55				
20	16QAM	1	49	13.48	13.59	13.55	15	1		
20	16QAM	1	99	13.57	13.56	13.48				
20	16QAM	50	0	12.69	12.49	12.45				
20	16QAM	50	24	12.75	12.69	12.54				
20	16QAM	50	0	12.56	12.48	12.52	14	2		
20	16QAM	100	0	12.67	12.53	12.35				
20	64QAM	1	0	12.51	12.62	12.56				
20	64QAM	1	49	12.54	12.54	12.52				
20	64QAM	1	99	12.51	12.53	12.42	14	2		
20	64QAM	50	0	11.55	11.62	11.42				
20	64QAM	50	24	11.65	11.59	11.41				
20	64QAM	50	0	11.49	11.51	11.41				
20	64QAM	100	0	11.57	11.52	11.29	13	3		
Channel										
Frequency (MHz)										
15	QPSK	1	0	14.65	14.78	14.66			16	0
15	QPSK	1	37	14.60	14.77	14.68				
15	QPSK	1	74	14.59	14.50	14.55				
15	QPSK	36	0	13.60	13.40	13.45				
15	QPSK	36	20	13.89	13.62	13.50	15	1		
15	QPSK	36	39	13.62	13.53	13.22				
15	QPSK	75	0	13.55	13.61	13.55				
15	QPSK	1	0	13.36	13.41	13.45				
15	16QAM	1	37	13.46	13.57	13.42	15	1		
15	16QAM	1	74	13.53	13.45	13.37				
15	16QAM	36	0	12.55	12.39	12.32				
15	16QAM	36	20	12.73	12.66	12.45				
15	16QAM	36	39	12.46	12.35	12.51	14	2		
15	16QAM	75	0	12.59	12.44	12.31				
15	64QAM	1	0	12.38	12.48	12.41				
15	64QAM	1	37	12.41	12.52	12.46				
15	64QAM	1	74	12.49	12.50	12.38	14	2		
15	64QAM	36	0	11.54	11.49	11.39				
15	64QAM	36	20	11.54	11.56	11.29				
15	64QAM	36	39	11.40	11.43	11.37				
15	64QAM	75	0	11.47	11.41	11.22	13	3		
Channel										
Frequency (MHz)										
10	QPSK	1	0	14.70	14.79	14.61			16	0
10	QPSK	1	25	14.88	14.79	14.80				
10	QPSK	1	49	14.72	14.59	14.60				
10	QPSK	25	0	13.60	13.60	13.54				
10	QPSK	25	12	13.61	13.62	13.50	15	1		
10	QPSK	25	25	13.57	13.39	13.54				
10	QPSK	50	0	13.64	13.63	13.54				
10	16QAM	1	0	13.43	13.39	13.46				
10	16QAM	1	25	13.34	13.45	13.44	15	1		
10	16QAM	1	49	13.49	13.52	13.45				
10	16QAM	25	0	12.65	12.41	12.39				
10	16QAM	25	12	12.61	12.67	12.48				
10	16QAM	25	25	12.50	12.41	12.18	14	2		
10	16QAM	50	0	12.60	12.49	12.32				
10	64QAM	1	0	12.39	12.50	12.48				
10	64QAM	1	25	12.44	12.48	12.33				
10	64QAM	1	49	12.41	12.43	12.36	14	2		
10	64QAM	25	0	11.46	11.43	11.29				
10	64QAM	25	12	11.50	11.53	11.27				
10	64QAM	25	25	11.46	11.46	11.33				
10	64QAM	50	0	11.42	11.38	11.21	13	3		
Channel										
Frequency (MHz)										



Reduced Power for DS16

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	726	789	851		726	789	851	
GSM850_Ant 0	726	789	851	Limit	726	789	851	Limit
TX Channel	824.2	836.4	848.6		824.2	836.4	848.6	
Frequency (MHz)								
GSM 1 Tx slot	32.09	32.13	32.11	33.50	23.09	23.13	23.11	24.50
GPRS 1 Tx slot	32.11	32.15	32.12	33.50	23.11	23.15	23.12	24.50
GPRS 2 Tx slots	30.13	30.16	30.16	31.50	24.13	24.16	24.16	25.50
GPRS 3 Tx slots	28.10	28.11	28.10	29.50	23.84	23.85	23.84	25.24
GPRS 4 Tx slots	26.22	26.24	26.25	27.50	23.22	23.24	23.25	24.50
EDGE 1 Tx slot	26.14	26.22	26.19	27.50	17.14	17.22	17.19	18.50
EDGE 2 Tx slots	23.01	23.01	22.77	25.50	19.01	18.91	18.77	19.50
EDGE 3 Tx slots	22.94	23.01	22.84	23.50	18.68	18.75	18.58	19.24
EDGE 4 Tx slots	20.57	20.51	20.43	21.00	17.57	17.51	17.43	18.00

	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
GSM1900_Ant 0	512 <td>661 <td>810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> </td></td></td></td></td>	661 <td>810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> </td></td></td></td>	810 <td>Limit</td> <td>512 <td>661 <td>810 <td>Limit</td> </td></td></td>	Limit	512 <td>661 <td>810 <td>Limit</td> </td></td>	661 <td>810 <td>Limit</td> </td>	810 <td>Limit</td>	Limit
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)								
GSM 1 Tx slot	27.27	27.26	27.04	28.00	18.27	18.26	18.04	19.00
GPRS 1 Tx slot	27.31	27.16	27.09	28.00	18.31	18.16	18.09	19.00
GPRS 2 Tx slots	25.23	25.27	25.20	26.00	19.23	19.27	19.20	20.00
GPRS 3 Tx slots	23.22	23.18	23.21	24.00	18.96	18.92	18.95	19.74
GPRS 4 Tx slots	21.12	21.23	21.17	22.00	18.12	18.23	18.17	19.00
EDGE 1 Tx slot	23.51	23.37	23.34	24.00	14.51	14.37	14.34	15.00
EDGE 2 Tx slots	21.81	21.80	21.71	22.00	15.81	15.80	15.71	16.00
EDGE 3 Tx slots	19.79	19.77	19.62	20.00	15.53	15.51	15.36	15.74
EDGE 4 Tx slots	17.76	17.60	17.64	18.00	14.76	14.60	14.64	15.00

Band	WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)	
	9262	9400	9538		4357	4482	4623		
TX Channel	9662	9800	9938	Limit	4357	4407	4456	Limit	
Rx Channel	1032.4	1030	1007.6		529.4	536.4	543.6		
Frequency (MHz)									
3GPP Rel 99	19.07	19.12	19.18	20.00	22.70	22.92	22.86	24.00	
3GPP Rel 99	RMC 12.2Kbps	19.11	19.27	19.20	20.00	22.92	22.94	22.92	24.00
3GPP Rel 6	HSDPA Subtest-1	18.22	18.21	18.11	19.00	21.94	21.93	21.91	23.00
3GPP Rel 6	HSDPA Subtest-2	18.15	18.03	18.03	19.00	21.91	21.84	21.89	23.00
3GPP Rel 6	HSDPA Subtest-3	17.69	17.56	17.44	18.50	21.35	21.40	21.34	22.50
3GPP Rel 6	HSDPA Subtest-4	17.50	17.53	17.45	18.50	21.42	21.37	21.35	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	18.21	18.03	18.15	19.00	21.90	21.86	21.87	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.17	18.01	18.06	19.00	21.87	21.77	21.85	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.41	17.38	17.46	18.50	21.33	21.34	21.30	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.50	17.52	17.32	18.50	21.36	21.37	21.32	22.50
3GPP Rel 6	HSUPA Subtest-1	16.75	16.77	16.69	17.50	20.46	20.49	20.50	21.50
3GPP Rel 6	HSUPA Subtest-2	16.76	16.76	16.76	17.50	20.55	20.52	20.43	21.50
3GPP Rel 6	HSUPA Subtest-3	17.69	17.74	17.63	18.50	21.45	21.45	21.43	22.50
3GPP Rel 6	HSUPA Subtest-4	16.24	16.18	16.27	17.00	20.02	20.04	19.94	21.00
3GPP Rel 6	HSUPA Subtest-5	17.59	17.59	17.59	18.50	21.40	21.40	21.40	22.50
3GPP Rel 7	HSPA+ (HS-AM) Subtest-1	16.06	16.02	15.94	17.50	19.77	19.82	19.81	21.50

Band 2_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
20	QPSK	1	0	18.70	18.81	18.81	20	0
20	QPSK	1	49	18.70	18.81	18.81	20	0
20	QPSK	1	99	18.68	18.86	18.70	20	0
20	QPSK	1	149	18.68	18.86	18.70	20	0
20	QPSK	60	24	17.82	17.90	17.75	19	1
20	QPSK	60	50	17.82	17.86	17.73	19	1
20	16QAM	1	0	17.85	17.82	17.84	19	1
20	16QAM	1	49	17.85	17.82	17.84	19	1
20	16QAM	1	99	17.82	17.89	17.81	17	3
20	16QAM	1	149	17.82	17.89	17.81	17	3
20	16QAM	50	24	16.85	16.76	16.89	18	2
20	16QAM	50	50	16.85	16.86	16.82	18	2
20	84QAM	1	0	16.79	16.83	16.76	18	2
20	84QAM	1	49	17.04	17.00	16.93	18	2
20	84QAM	1	99	16.99	16.83	16.70	17	3
20	84QAM	1	149	16.99	16.83	16.70	17	3
20	84QAM	50	24	15.89	15.82	15.92	17	3
20	84QAM	50	50	15.89	15.82	15.79	17	3
Channel								
Frequency (MHz)								
15	QPSK	1	0	18.63	18.76	18.69	20	0
15	QPSK	1	49	18.73	18.84	18.79	20	0
15	QPSK	1	99	18.54	18.61	18.56	20	0
15	QPSK	1	149	18.54	18.61	18.56	20	0
15	QPSK	36	20	17.71	17.86	17.83	19	1
15	QPSK	36	46	17.71	17.86	17.83	19	1
15	QPSK	75	0	17.74	17.83	17.80	19	1
15	16QAM	1	0	17.76	17.75	17.84	19	1
15	16QAM	1	49	17.76	17.75	17.84	19	1
15	16QAM	1	99	17.79	17.80	17.88	19	1
15	16QAM	1	149	17.79	17.80	17.88	19	1
15	16QAM	36	20	16.89	16.79	16.82	18	2
15	16QAM	36	46	16.89	16.79	16.82	18	2
15	16QAM	75	0	16.85	16.79	16.87	18	2
15	84QAM	1	0	16.80	16.80	16.80	18	2
15	84QAM	1	49	16.80	16.80	16.80	18	2
15	84QAM	1	99	16.87	16.75	16.86	17	3
15	84QAM	1	149	16.87	16.75	16.86	17	3
15	84QAM	50	24	15.83	15.89	15.80	17	3
15	84QAM	50	50	15.83	15.89	15.80	17	3
Channel								
Frequency (MHz)								
10	QPSK	1	0	18.63	18.76	18.69	20	0
10	QPSK	1	49	18.63	18.84	18.79	20	0
10	QPSK	1	99	18.54	18.61	18.56	20	0
10	QPSK	1	149	18.54	18.61	18.56	20	0
10	QPSK	36	20	17.71	17.86	17.83	19	1
10	QPSK	36	46	17.71	17.86	17.83	19	1
10	QPSK	75	0	17.74	17.83	17.80	19	1
10	16QAM	1	0	17.76	17.75	17.84	19	1
10	16QAM	1	49	17.76	17.75	17.84	19	1
10	16QAM	1	99	17.79	17.80	17.88	19	1
10	16QAM	1	149	17.79	17.80	17.88	19	1
10	16QAM	36	20	16.89	16.79	16.82	18	2
10	16QAM	36	46	16.89	16.79	16.82	18	2
10	16QAM	75	0	16.85	16.79	16.87	18	2
10	84QAM	1	0	16.80	16.80	16.80	18	2
10	84QAM	1	49	16.80	16.80	16.80	18	2
10	84QAM	1	99	16.87	16.75	16.86	17	3
10	84QAM	1	149	16.87	16.75	16.86	17	3
10	84QAM	50	24	15.83	15.89	15.80	17	3
10	84QAM	50	50	15.83	15.89	15.80	17	3
Channel								
Frequency (MHz)								
5	QPSK	1	0	18.63	18.76	18.69	20	0
5	QPSK	1	49	18.63	18.84	18.79	20	0
5	QPSK	1	99	18.54	18.61	18.56	20	0
5	QPSK	1	149	18.54	18.61	18.56	20	0
5	QPSK	36	20	17.71	17.86	17.83	19	1
5	QPSK	36	46	17.71	17.86	17.83	19	1
5	QPSK	75	0	17.74	17.83	17.80	19	1
5	16QAM	1	0	17.76	17.75	17.84	19	1
5	16QAM	1	49	17.76	17.75	17.84	19	1
5	16QAM	1	99	17.79	17.80	17.88	19	1
5	16QAM	1	149	17.79	17.80	17.88	19	1
5	16QAM	36	20	16.89	16.79	16.82	18	2
5	16QAM	36	46	16.89	16.79	16.82	18	2
5	16QAM	75	0	16.85	16.79	16.87	18	2
5	84QAM	1	0	16.80	16.80	16.80	18	2
5	84QAM	1	49	16.80	16.80	16.80	18	2
5	84QAM	1	99	16.87	16.75	16.86	17	3
5	84QAM	1	149	16.87	16.75	16.86	17	3
5	84QAM	50	24	15.83	15.89	15.80	17	3
5	84QAM	50	50	15.83	15.89	15.80	17	3

Band 5_Ant 0

BW (MHz)	Modulation	RB Size	RB Offset	Power Ch / Freq	Power Ch / Freq	Power Ch / Freq	Tune-up limit (dBm)	MFR (dB)
Channel								
Frequency (MHz)								
10	QPSK	1	0	22.88	22.48	22.84	24	0
10	QPSK	1	26	22.73	22.93	22.77	24	0
10	QPSK	1	49	22.75	22.80	22.69	24	0
10	QPSK	1	75	22.75	22.80	22.69	24	0
10	QPSK	25	12	21.81	21.83	21.75	23	1
10	QPSK	25	20	21.76	21.69	21.71	23	1
10	16QAM	1	0	22.20	22.18	21.88	23	1
10	16QAM	1	26	22.28	22.30	21.88	23	1
10	16QAM	1	49	22.22	21.85	21.84	21	3
10	16QAM	1	75	22.22	21.85	21.84	21	3
10	16QAM	25	12	20.75	20.88	20.72	22	2
10	16QAM	25	20	20.74	20.85	20.80	22	2
10	84QAM	1	0	20.73	20.66	20.80	22	2
10	84QAM	1	26	20.73	20.66	20.80	22	2
10	84QAM	1	49	20.85	20.70	20.75	21	3
10	84QAM	1	75	20.85	20.70	20.75	21	3
10	84QAM	25	12	19.87	19.82	19.88	21	3
10	84QAM	25	20	19.87	19.82	19.88	21	3
10	84QAM	50	0	19.78	19.85	19.79	21	3
Channel								
Frequency (MHz)								
5	QPSK	1	0	22.83	22.47	22.81	24	0
5	QPSK	1	26	22.73	22.93	22.77	24	0
5	QPSK	1	49	22.75	22.80	22.67	24	0
5	QPSK	1	75	22.75	22.80	22.67	24	0
5	QPSK	12	7	21.77	21.80	21.72	23	1
5	QPSK	12	18	21.74	21.85	21.72	23	1
5	QPSK	25	0	21.69	21.81	21.73	23	1
5	16QAM	1	0	22.16	22.14	21.84	23	1
5	16QAM	1	26	22.24	22.27	21.85	23	1
5	16QAM	1	49	22.20	21.80	21.79	22	2
5	16QAM	1	75	22.20	21.80	21.79	22	2
5	16QAM	12	7	20.72	20.84	20.71	22	2
5	16QAM	12	18	20.73	20.82	20.75	22	2
5	16QAM	25	0	20.72	20.82	20.77	22	2
5	16QAM	25	12	20.74	20.85	20.84	22	2
5	84QAM	1	0	20.81	20.69	20.74	22	2
5	84QAM	1	26	20.85	20.81	20.85	22	2
5	84QAM	1	49	19.85	19.79	19.85	21	3
5	84QAM	1	75	19.78	19.70	19.78	21	3
5	84QAM	25	0	19.73	19.81	19.78	21	3
Channel								
Frequency (MHz)								
3	QPSK	1	0	22.83	22.47	22.81	24	0
3	QPSK	1	26	22.73	22.93	22.77	24	0
3	QPSK	1	49	22.75	22.80	22.67	24	0
3	QPSK	1	75	22.75	22.80	22.67	24	0
3	QPSK	8	4	21.72	21.74	21.69	23	1
3	QPSK	8	18	21.74	21.85	21.72	23	1
3	QPSK	15	0	21.64	21.82	21.73	23	1
3	16QAM	1	0	22.00	22.00	21.68	23	1
3	16QAM	1	8	22.12	22.14	21.87	23	1
3	16QAM	1	16	22.01	22.00	21.68	23	1
3	16QAM	8	0	20.87	20.87	20.76	22	2
3	16QAM	8	8	20.82	20.77	20.88	22	2
3	16QAM	15	0	20.88	20.74	20.71	22	2
3	16QAM	15	8	20.78	20.84	20.81	22	2
3	84QAM	1	8	21.02	20.99	20.78	22	2
3	84QAM	1	16	20.81	20.86	20.81	22	2
3	84QAM	8	0	19.83	19.84	19.84	21	3
3	84QAM	8						

LTE Band 38_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				37850	38000	38150		
20	QPSK	1	0	17.72	17.85	17.97	19	0
20	QPSK	1	49	17.76	17.85	17.78		
20	QPSK	1	99	17.58	17.62	17.56	18	1
20	QPSK	50	0	16.58	16.55	16.57		
20	QPSK	50	24	16.66	16.65	16.62	18	1
20	QPSK	50	50	16.53	16.62	16.48		
20	QPSK	100	0	16.50	16.70	16.64	18	1
20	16QAM	1	0	16.49	16.59	16.61		
20	16QAM	1	49	16.60	16.67	16.62	17	2
20	16QAM	1	99	16.52	16.66	16.47		
20	16QAM	50	0	15.64	15.71	15.57	17	2
20	16QAM	50	24	15.53	15.64	15.68		
20	16QAM	50	50	15.63	15.70	15.57	17	2
20	16QAM	100	0	15.58	15.71	15.55		
20	64QAM	1	0	15.55	15.62	15.62	17	2
20	64QAM	1	49	15.59	15.66	15.51		
20	64QAM	1	99	15.74	15.81	15.67	16	3
20	64QAM	50	0	14.80	14.78	14.57		
20	64QAM	50	24	14.76	14.88	14.65	16	3
20	64QAM	50	50	14.63	14.80	14.56		
20	64QAM	100	0	14.75	14.82	14.69		
Channel				37925	38075	38225		
Frequency (MHz)				2877.5	2895	2912.5		
15	QPSK	1	0	17.67	17.77	17.64	19	0
15	QPSK	1	37	17.74	17.60	17.75		
15	QPSK	1	74	17.46	17.57	17.51	18	1
15	QPSK	36	0	16.44	16.51	16.47		
15	QPSK	36	20	16.80	16.60	16.52	18	1
15	QPSK	36	39	16.52	16.57	16.35		
15	QPSK	75	0	16.38	16.68	16.53	18	1
15	16QAM	1	0	16.42	16.54	16.52		
15	16QAM	1	37	16.51	16.62	16.52	18	1
15	16QAM	1	74	16.38	16.58	16.35		
15	16QAM	36	0	15.61	15.70	15.66	17	2
15	16QAM	36	20	16.47	16.49	16.62		
15	16QAM	36	39	16.40	16.68	16.50	17	2
15	16QAM	75	0	15.52	15.64	15.53		
15	64QAM	1	0	15.44	15.51	15.54	17	2
15	64QAM	1	37	15.51	15.58	15.38		
15	64QAM	1	74	14.81	14.74	14.66	16	3
15	64QAM	36	0	14.51	14.76	14.47		
15	64QAM	36	20	14.86	14.84	14.67	16	3
15	64QAM	36	39	14.59	14.77	14.48		
15	64QAM	75	0	14.72	14.77	14.67		
Channel				37800	38000	38200		
Frequency (MHz)				2375	2395	2415		
10	QPSK	1	0	17.47	17.60	17.70	19	0
10	QPSK	1	25	17.73	17.79	17.68		
10	QPSK	1	49	17.47	17.57	17.41	18	1
10	QPSK	25	0	16.58	16.61	16.52		
10	QPSK	25	12	16.58	16.61	16.52	18	1
10	QPSK	25	25	16.38	16.57	16.43		
10	QPSK	50	0	16.37	16.68	16.51	18	1
10	16QAM	1	0	16.47	16.46	16.58		
10	16QAM	1	25	16.59	16.59	16.51	18	1
10	16QAM	1	49	16.50	16.57	16.43		
10	16QAM	25	0	15.58	15.58	15.61	17	2
10	16QAM	25	12	15.48	15.58	15.62		
10	16QAM	25	25	15.56	15.61	15.54	17	2
10	16QAM	50	0	15.55	15.62	15.40		
10	64QAM	1	0	15.51	15.55	15.55	17	2
10	64QAM	1	25	15.52	15.58	15.40		
10	64QAM	1	49	15.71	15.66	15.62	16	3
10	64QAM	25	0	14.52	14.64	14.55		
10	64QAM	25	12	14.73	14.75	14.61	16	3
10	64QAM	25	25	14.53	14.68	14.54		
10	64QAM	50	0	14.73	14.76	14.64		
Channel				37925	38075	38225		
Frequency (MHz)				2872.5	2895	2917.5		
5	QPSK	1	0	17.62	17.73	17.62	19	0
5	QPSK	1	12	17.73	17.77	17.77		
5	QPSK	1	24	17.50	17.60	17.50	18	1
5	QPSK	12	0	16.45	16.53	16.53		
5	QPSK	12	7	16.58	16.61	16.56	18	1
5	QPSK	12	13	16.47	16.52	16.41		
5	QPSK	25	0	16.48	16.63	16.51	18	1
5	16QAM	1	0	16.41	16.56	16.55		
5	16QAM	1	12	16.25	16.62	16.52	18	1
5	16QAM	1	24	16.44	16.52	16.41		
5	16QAM	12	0	15.58	15.89	15.57	17	2
5	16QAM	12	7	15.46	15.57	15.65		
5	16QAM	12	13	15.55	15.55	15.50	17	2
5	16QAM	25	0	15.50	15.70	15.54		
5	64QAM	1	0	15.54	15.51	15.54	17	2
5	64QAM	1	12	15.54	15.54	15.47		
5	64QAM	1	24	14.60	14.70	14.57	16	3
5	64QAM	12	0	14.56	14.84	14.42		
5	64QAM	12	7	14.89	14.73	14.56	16	3
5	64QAM	12	13	14.50	14.72	14.68		
5	64QAM	25	0	14.60	14.75	14.63		

LTE Band 41 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				40140	40400	40670		
20	QPSK	1	0	17.72	17.70	17.67	19	0
20	QPSK	1	49	17.89	17.75	17.74		
20	QPSK	1	99	17.72	17.54	17.53	18	1
20	QPSK	50	0	16.43	16.43	16.42		
20	QPSK	50	24	16.71	16.53	16.54	18	1
20	QPSK	50	50	16.56	16.38	16.50		
20	QPSK	100	0	16.55	16.54	16.46	18	1
20	16QAM	1	0	16.38	16.42	16.49		
20	16QAM	1	49	16.45	16.53	16.46	17	2
20	16QAM	1	99	16.45	16.48	16.35		
20	16QAM	50	0	15.56	15.48	15.32	17	2
20	16QAM	50	24	15.61	15.58	15.52		
20	16QAM	50	50	15.53	15.36	15.38	17	2
20	16QAM	100	0	15.59	15.41	15.27		
20	64QAM	1	0	15.44	15.55	15.52	17	2
20	64QAM	1	49	15.39	15.49	15.42		
20	64QAM	1	99	15.42	15.41	15.33	16	3
20	64QAM	50	0	14.47	14.58	14.57		
20	64QAM	50	24	14.62	14.54	14.44	16	3
20	64QAM	50	50	14.48	14.44	14.45		
20	64QAM	100	0	14.55	14.45	14.40		
Channel				40115	40375	40635		
Frequency (MHz)				2942.5	2985.5	2997.5		
15	QPSK	1	0	17.66	17.67	17.64	19	0
15	QPSK	1	37	17.76	17.66	17.67		
15	QPSK	1	74	17.64	17.52	17.50	18	1
15	QPSK	36	0	16.53	16.37	16.37		
15	QPSK	36	20	16.70	16.51	16.51	18	1
15	QPSK	36	39	16.50	16.45	16.39		
15	QPSK	75	0	16.42	16.42	16.40	18	1
15	16QAM	1	0	16.30	16.41	16.48		
15	16QAM	1	37	16.36	16.44	16.32	18	1
15	16QAM	1	74	16.44	16.33	16.20		
15	16QAM	36	0	15.52	15.36	15.25	17	2
15	16QAM	36	20	15.58	15.52	15.39		
15	16QAM	36	39	15.49	15.52	15.27	17	2
15	16QAM	75	0	15.44	15.36	15.24		
15	64QAM	1	0	15.43	15.46	15.25	17	2
15	64QAM	1	37	15.28	15.44	15.32		
15	64QAM	1	74	15.36	15.39	15.32	16	3
15	64QAM	36	0	14.35	14.24	14.26		
15	64QAM	36	20	14.49	14.44	14.41	16	3
15	64QAM	36	39	14.37	14.34	14.44		
15	64QAM	75	0	14.41	14.34	14.44		
Channel				40090	40350	40610		
Frequency (MHz)				2300	2300	2300		
10	QPSK	1	0	17.71	17.66	17.60	19	0
10	QPSK	1	25	17.76	17.72	17.72		
10	QPSK	1	49	17.60	17.52	17.46	18	1
10	QPSK	25	0	16.54	16.31	16.30		
10	QPSK	25	12	16.68	16.50	16.48	18	1
10	QPSK	25	25	16.42	16.26	16.40		
10	QPSK	50	0	16.47	16.39	16.35	18	1
10	16QAM	1	0	16.35	16.40	16.48		
10	16QAM	1	25	16.35	16.40	16.43	18	1



Reduced Power for DS17

GSM850_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	824.2	836.4		848.6	824.2	836.4	
GSM 1 Tx slot	29.64	29.65	29.60	31.00	20.64	20.65	20.60	22.00
GPRS 1 Tx slot	29.63	29.60	29.55	31.00	20.63	20.60	20.55	22.00
GPRS 2 Tx slots	27.43	27.60	27.87	29.00	21.53	21.60	21.57	23.00
GPRS 3 Tx slots	25.42	25.50	25.46	27.00	21.16	21.24	21.20	22.74
GPRS 4 Tx slots	23.64	23.70	23.67	25.00	20.64	20.70	20.67	22.00
EDGE 1 Tx slot	23.64	23.72	23.69	25.00	14.84	14.72	14.69	16.00
EDGE 2 Tx slots	22.51	22.41	22.27	23.00	16.51	16.41	16.27	17.00
EDGE 3 Tx slots	20.44	20.51	20.34	21.00	16.18	16.25	16.08	16.74
EDGE 4 Tx slots	18.07	18.01	17.93	18.50	15.07	15.01	14.93	15.50

GSM1900_Ant 0	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	TX Channel	1850.2	1880		1909.8	1850.2	1880	
GSM 1 Tx slot	19.74	19.79	19.75	20.50	10.74	10.79	10.75	11.50
GPRS 1 Tx slot	19.66	19.76	19.72	20.50	10.66	10.76	10.72	11.50
GPRS 2 Tx slots	17.71	17.75	17.68	18.50	11.71	11.75	11.68	12.50
GPRS 3 Tx slots	15.69	15.77	15.74	16.50	11.43	11.51	11.48	12.24
GPRS 4 Tx slots	13.59	13.68	13.71	14.50	10.59	10.68	10.71	11.50
EDGE 1 Tx slot	13.96	13.84	13.74	16.50	6.96	6.84	6.74	7.50
EDGE 2 Tx slots	14.16	14.15	14.19	14.50	8.16	8.15	8.19	8.50
EDGE 3 Tx slots	12.23	12.15	12.08	12.50	7.97	7.89	7.82	8.24
EDGE 4 Tx slots	10.12	9.98	10.03	10.50	7.12	6.98	7.03	7.50

Band	WCDMA II_Ant 0			Tune-up Limit (dBm)	WCDMA V_Ant 0			Tune-up Limit (dBm)
	Tx Channel	9262	9400		9538	4132	4182	
3GPP Rel 99	AMR 12.2Kbps	15.02	15.07	15.00	16.00	21.20	21.28	21.20
3GPP Rel 99	AMR 14.2Kbps	15.09	15.10	15.04	16.00	21.22	21.34	21.33
3GPP Rel 6	HSDPA Subtest-1	14.14	14.12	14.15	15.00	20.43	20.47	20.45
3GPP Rel 6	HSDPA Subtest-2	14.04	14.04	14.05	15.00	20.36	20.32	20.47
3GPP Rel 6	HSDPA Subtest-3	13.55	13.53	13.54	14.50	19.92	19.98	19.93
3GPP Rel 6	HSDPA Subtest-4	13.50	13.53	13.46	14.50	19.93	19.84	19.90
3GPP Rel 8	DC-HSDPA Subtest-1	14.18	14.04	14.07	15.00	20.46	20.38	20.37
3GPP Rel 8	DC-HSDPA Subtest-2	14.11	14.05	14.05	15.00	20.40	20.34	20.35
3GPP Rel 8	DC-HSDPA Subtest-3	13.45	13.45	13.44	14.50	19.90	19.93	19.89
3GPP Rel 8	DC-HSDPA Subtest-4	13.42	13.48	13.45	14.50	19.89	19.84	19.78
3GPP Rel 6	HSUPA Subtest-1	12.82	12.69	12.78	13.00	18.97	18.98	19.00
3GPP Rel 6	HSUPA Subtest-2	12.78	12.69	12.62	13.00	19.00	19.04	19.01
3GPP Rel 6	HSUPA Subtest-3	13.68	13.80	13.70	14.50	20.04	20.04	19.93
3GPP Rel 6	HSUPA Subtest-4	12.23	12.15	12.31	13.00	18.56	18.55	18.51
3GPP Rel 6	HSUPA Subtest-5	13.65	13.57	13.51	14.50	19.97	19.90	19.93
3GPP Rel 7	HSPA+ (E-UMTS) Subtest-1	12.03	12.05	12.05	13.50	18.27	18.30	18.32

LTE Band 38_Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				37850	38000	38150		
20	QPSK	1	0	2875	2890	2910	14.5	0
20	QPSK	1	49	13.30	13.38	13.29		
20	QPSK	1	99	13.05	13.20	13.07		
20	QPSK	50	0	12.05	12.10	12.08	13.5	1
20	QPSK	50	24	12.05	12.20	12.12		
20	QPSK	50	50	12.04	12.16	12.05		
20	16QAM	100	0	12.05	12.17	12.10	13.5	1
20	16QAM	100	1	12.05	12.15	12.10		
20	16QAM	100	24	12.02	12.24	12.18		
20	16QAM	1	49	12.06	12.11	11.98	12.5	2
20	16QAM	1	99	12.06	12.11	11.98		
20	16QAM	1	149	11.25	11.21	11.20		
20	16QAM	50	24	11.01	11.17	11.07	12.5	2
20	16QAM	50	50	11.23	11.22	11.09		
20	16QAM	100	0	11.07	11.12	11.03		
20	64QAM	1	0	11.08	11.21	11.05	12.5	2
20	64QAM	1	49	11.01	11.15	10.98		
20	64QAM	1	99	11.20	11.20	11.22		
20	64QAM	50	0	10.99	10.25	10.95	11.5	3
20	64QAM	50	24	10.17	10.28	10.25		
20	64QAM	50	50	10.03	10.25	10.10		
20	64QAM	100	0	10.28	10.25	10.25	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				2877.5	2895	2912.5		
15	QPSK	1	0	13.15	13.21	13.23	14.5	0
15	QPSK	1	37	13.27	13.34	13.23		
15	QPSK	1	74	13.04	13.17	12.93		
15	QPSK	36	0	12.01	12.08	11.97	13.5	1
15	QPSK	36	20	11.97	12.18	12.04		
15	QPSK	36	39	11.98	12.03	12.04		
15	QPSK	75	0	11.90	12.05	12.08	13.5	1
15	16QAM	1	0	11.84	12.03	12.09		
15	16QAM	1	37	11.88	12.11	12.13		
15	16QAM	1	74	12.05	12.05	11.84	12.5	2
15	16QAM	36	0	11.20	11.13	11.07		
15	16QAM	36	20	10.99	11.04	10.93		
15	16QAM	36	39	11.19	11.08	10.95	12.5	2
15	16QAM	75	0	10.97	11.01	10.94		
15	16QAM	1	0	11.06	11.10	11.02		
15	64QAM	1	37	10.90	11.14	10.82	12.5	2
15	64QAM	1	74	11.05	11.06	11.17		
15	64QAM	36	0	9.96	10.12	9.95		
15	64QAM	36	20	10.05	10.25	10.11	11.5	3
15	64QAM	36	39	9.89	10.16	10.03		
15	64QAM	75	0	10.17	10.17	10.21		
Channel				3780	3800	3820	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2875	2895	2915		
10	QPSK	1	0	13.08	13.17	13.16	14.5	0
10	QPSK	1	25	13.19	13.33	13.26		
10	QPSK	1	49	12.94	13.05	12.93		
10	QPSK	25	0	11.93	12.07	11.97	13.5	1
10	QPSK	25	12	11.97	12.15	12.03		
10	QPSK	25	25	11.95	12.10	11.97		
10	QPSK	50	0	12.03	12.08	11.98	13.5	1
10	16QAM	1	0	12.00	12.11	11.95		
10	16QAM	1	25	11.99	12.15	12.13		
10	16QAM	1	49	12.03	12.02	11.84	12.5	2
10	16QAM	25	0	11.10	11.13	11.08		
10	16QAM	25	12	10.99	11.07	11.02		
10	16QAM	25	25	11.14	11.09	11.04	12.5	2
10	16QAM	50	0	10.95	11.11	10.89		
10	64QAM	1	0	11.01	11.18	10.91		
10	64QAM	1	25	10.97	11.12	10.87	12.5	2
10	64QAM	1	49	11.14	11.05	11.14		
10	64QAM	25	0	9.94	10.19	9.90		
10	64QAM	25	12	10.11	10.25	10.20	11.5	3
10	64QAM	25	25	10.00	10.12	9.96		
10	64QAM	50	0	10.26	10.22	10.23		
Channel				3772	3800	3825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2872.5	2895	2917.5		
5	QPSK	1	0	13.19	13.13	13.17	14.5	0
5	QPSK	1	12	13.19	13.24	13.18		
5	QPSK	1	24	13.05	13.08	12.94		
5	QPSK	12	0	11.90	12.03	12.02	13.5	1
5	QPSK	12	7	11.97	12.12	12.06		
5	QPSK	12	13	12.03	12.01	11.90		
5	QPSK	25	0	12.01	12.06	12.03	13.5	1
5	16QAM	1	0	11.82	11.99	12.07		
5	16QAM	1	12	12.00	12.16	12.09		
5	16QAM	1	24	11.93	12.06	11.98	12.5	2
5	16QAM	12	0	11.16	11.18	10.98		
5	16QAM	12	7	10.90	11.08	10.94		
5	16QAM	12	13	11.19	11.13	10.95	12.5	2
5	16QAM	25	0	11.05	10.97	10.94		
5	64QAM	1	0	11.03	11.20	11.03		
5	64QAM	1	12	10.88	11.13	10.86	12.5	2
5	64QAM	1	24	11.08	11.12	11.20		
5	64QAM	12	0	10.00	10.12	9.94		
5	64QAM	12	7	10.08	10.22	10.16	11.5	3
5	64QAM	12	13	9.97	10.16	10.06		
5	64QAM	25	0	10.27	10.11	10.14		

LTE Band 41 Ant 0

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq.	Power Middle Ch / Freq.	Power High Ch / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)				40140	40400	40670		
20	QPSK	1	0	2245	2271	2303	14.5	0
20	QPSK	1	49	13.24	13.22	13.15		
20	QPSK	1	99	13.40	13.30	13.28		
20	QPSK	50	0	12.17	12.07	12.09	13.5	1
20	QPSK	50	24	12.19	12.10	12.08		
20	QPSK	50	50	12.11	11.99	12.07		
20	16QAM	100	0	12.12	12.08	12.03	13.5	1
20	16QAM	100	1	12.00	11.95	11.97		
20	16QAM	100	24	12.02	12.08	12.01		
20	16QAM	1	49	11.98	12.02	11.94	12.5	2
20	16QAM	1	99	11.14	10.98	10.88		
20	16QAM	50	24	11.17	11.10	11.03		
20	16QAM	50	50	11.07	11.03	10.96	12.5	2
20	16QAM	100	0	11.08	10.95	10.90		
20	64QAM	1	0	11.06	11.04	10.98		
20	64QAM	1	49	11.04	11.07	10.93	12.5	2
20	64QAM	1	99	11.06	11.03	10.97		
20	64QAM	50	0	10.99	10.91	9.93		
20	64QAM	50	24	10.12	10.07	9.95	11.5	3
20	64QAM	50	50	10.04	10.04	9.83		
20	64QAM	100	0	10.10	10.00	9.81		
Channel				40115	40315	40515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2942.5	2955.5	2975.5		
15	QPSK	1	0	13.09	13.19	13.04	14.5	0
15	QPSK	1	37	13.30	13.21	13.22		
15	QPSK	1	74	13.04	13.08	13.12		
15	QPSK	36	0	12.09	11.86	11.91	13.5	1
15	QPSK	36	20	12.04	12.09	12.02		
15	QPSK	36	39	12.04	11.98	12.02		
15	QPSK	75	0	12.00	12.08	11.90	13.5	1
15	16QAM	1	0	11.91	11.89	11.84		
15	16QAM	1	37	11.96	11.88	11.88		
15	16QAM	1	74	11.83	11.90	11.92	12.5	2
15	16QAM	36	0	11.04	10.86	10.79		
15	16QAM	36	20	11.14	11.03	10.96		
15	16QAM	36	39	11.01	10.93	10.95	12.5	2
15	16QAM	75	0	11.03	10.80	10.88		
15	64QAM	1	0	11.04	11.02	10.97		
15	64QAM	1	37	10.95	11.02	10.88	12.5	2
15	64QAM	1	74	11.03	11.02	10.87		
15	64QAM	36	0	10.01	9.82	9.80		
15	64QAM	36	20	10.10	9.95	9.91	11.5	3
15	64QAM	36	39	9.98	9.93	9.79		
15	64QAM	75	0	10.02	9.92	9.73		
Channel				40090	40350	40620	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2940	2970	3000		
10	QPSK	1	0	13.10	13.11	13.04	14.5	0
10	QPSK	1	25	13.27	13.26	13.27		
10	QPSK	1	49	13.16	13.07	13.13		
10	QPSK	25	0	12.12	11.98	11.98	13.5	1
10	QPSK	25	12	12.16	12.01	11.93		
10	QPSK	25	25	11.99	11.86	11.99		
10	QPSK	50	0	12.01	11.86	11.90	13.5	1
10	16QAM	1	0	11.91	11.89	11.87		
10	16QAM	1	25	11.87	11.98	11.93		
10	16QAM	1	49	11.90	12.00	11.87	12.5	2
10	16QAM	25	0	11.00	10.94	10.73		
10	16QAM	25	12	11.16	11.04	10.98		
10	16QAM	25	25	10.96	10.91	10.85		



<WLAN 2.4GHz>

2.4GHz WLAN Ant 5				Full		Receiver on		Hotspot		Sensor on		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.70	20.00	14.50	15.50	16.30	17.00	18.30	17.00	100.00
		6	2437	18.70	20.00	14.40	15.50	16.00	17.00	16.00	17.00	
		11	2462	18.80	20.00	14.50	15.50	16.00	17.00	16.00	17.00	
	802.11g 6Mbps	1	2412	16.50	18.50		15.50		17.00		17.00	97.22
		6	2437	18.30	20.00		15.50		17.00		17.00	
		11	2462	16.40	18.00		15.50		17.00		17.00	
	802.11n-HT20 MCSO	1	2412	16.60	18.50		15.50		17.00		17.00	96.30
		6	2437	18.40	20.00		15.50		17.00		17.00	
		11	2462	16.50	18.00		15.50		17.00		17.00	
	802.11n-HT40 MCSO	3	2422	13.70	15.50	Not Required	15.50	Not Required	15.50	Not Required	15.50	93.53
		4	2427	13.70	15.50		15.50		15.50		15.50	
		5	2432	14.80	16.50		15.50		15.50		16.50	
6		2437	16.00	18.00		15.50		17.00		17.00		
7		2442	15.00	17.00		15.50		17.00		17.00		
8		2447	13.00	15.00		15.00		15.00		15.00		
9	2452	13.00	15.00		15.00		15.00		15.00			

<WLAN 5GHz>

5.2GHz WLAN Ant 5				Full		Receiver on		Hotspot		Sensor on		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.2GHz WLAN	802.11a 6Mbps	38	5180	17.84	19.50	17.54	19.50		14.50		14.50	96.53
		40	5200	17.53	19.50	17.53	19.50		14.50		14.50	
		44	5220	17.59	19.50	17.59	19.50		14.50		14.50	
	802.11n-HT20 MCSO	38	5180	17.67	19.50	17.87	19.50		14.50		14.50	97.01
		40	5200	17.54	19.50	17.54	19.50		14.50		14.50	
		44	5220	17.59	19.50	17.59	19.50		14.50		14.50	
	802.11n-HT40 MCSO	38	5190	15.65	17.50	15.65	17.50	Not Required	14.50	Not Required	14.50	93.53
		46	5230	16.65	18.50	16.65	18.50		14.50		14.50	
		38	5180	17.65	19.50	17.65	19.50		14.50		14.50	
	802.11ac-VHT20 MCSO	40	5200		19.50		19.50		14.50		14.50	96.58
		44	5220	Not Required	19.50	Not Required	19.50		14.50		14.50	
		48	5240	Not Required	19.50	Not Required	19.50		14.50		14.50	
	802.11ac-VHT40 MCSO	38	5190		17.50		17.50		14.50		14.50	93.54
		46	5230		18.50		18.50		14.50		14.50	
	802.11ac-VHT80 MCSO	42	5210	14.18	16.00	14.18	16.00	12.70	14.50	12.70	14.50	87.80

<WLAN 5GHz>

5.3GHz WLAN Ant 5				Full		Receiver on		Sensor on		Duty Cycle %		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
5.3GHz WLAN	802.11a 6Mbps	52	5280	17.73	19.50	17.73	19.50		14.50		14.50	96.53
		56	5290	17.65	19.50	17.65	19.50		14.50		14.50	
		60	5300	17.74	19.50	17.74	19.50		14.50		14.50	
	802.11n-HT20 MCSO	52	5280	17.58	19.50	17.58	19.50		14.50		14.50	97.01
		56	5290	17.56	19.50	17.56	19.50		14.50		14.50	
		60	5300	17.54	19.50	17.54	19.50		14.50		14.50	
	802.11n-HT40 MCSO	54	5320	17.21	19.00	17.21	19.00	Not Required	14.50	Not Required	14.50	93.53
		54	5270	16.59	18.50	16.59	18.50		14.50		14.50	
		62	5310	15.14	17.00	15.14	17.00		14.50		14.50	
	802.11ac-VHT20 MCSO	52	5280		19.50		19.50		14.50		14.50	96.58
		56	5290		19.50		19.50		14.50		14.50	
		60	5300	Not Required	19.50	Not Required	19.50		14.50		14.50	
	802.11ac-VHT40 MCSO	54	5270		18.50		18.50		14.50		14.50	93.54
		62	5310		17.00		17.00		14.50		14.50	
	802.11ac-VHT80 MCSO	58	5290	13.56	15.50	13.56	15.50	12.65	14.50	12.65	14.50	87.80

<WLAN 5GHz>

5.5GHz WLAN Ant 5				Full		Receiver on		Sensor on		Duty Cycle %		
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit				
5.5GHz WLAN	802.11a 6Mbps	100	5500	16.76	18.50		15.50		14.50		96.53	
		116	5580	17.71	19.50		15.50		14.50			
		124	5620	17.68	19.50		15.50		14.50			
		136	5680	17.67	19.50		15.50		14.50			
		140	5700	14.00	15.50		15.50		14.50			
		144	5720	17.72	19.50		15.50		14.50			
	802.11n-HT20 MCSO	100	5500	16.21	18.00		15.50		14.50		97.01	
		116	5580	17.64	19.50		15.50		14.50			
		124	5620	17.60	19.50		15.50		14.50			
		136	5680	17.69	19.50		15.50		14.50			
		140	5700	14.47	16.00		15.50		14.50			
		144	5720	17.73	19.50		15.50		14.50			
	802.11n-HT40 MCSO	102	5510	14.50	16.50	Not Required	15.50	Not Required	14.50	Not Required	14.50	93.53
		110	5550	16.67	18.50		15.50		14.50			
		126	5630	15.28	17.00		15.50		14.50			
		134	5670	15.31	17.00		15.50		14.50			
		142	5710	16.82	18.50		15.50		14.50			
		144	5720	17.73	19.50		15.50		14.50			
802.11ac-VHT20 MCSO	100	5500		18.00		15.50		14.50		96.58		
	116	5580		19.50		15.50		14.50				
	124	5620		19.50		15.50		14.50				
	136	5680		19.50		15.50		14.50				
	140	5700		19.00		15.50		14.50				
	144	5720	Not Required	19.50	Not Required	15.50		14.50				
802.11ac-VHT40 MCSO	102	5510		16.50		15.50		14.50		93.54		
	110	5550		18.50		15.50		14.50				
	126	5630		17.00		15.50		14.50				
	134	5670		17.00		15.50		14.50				
	142	5710		18.50		15.50		14.50				
	144	5720		17.73		15.50		14.50				
802.11ac-VHT80 MCSO	106	5530	13.63	15.50	13.83	15.50	12.60	14.50		87.80		
	122	5610	15.60	17.50	14.05	15.50	12.68	14.50				
	138	5690	15.80	17.50	14.20	15.50	12.68	14.50				
	144	5720	17.73	19.50	14.20	15.50	12.68	14.50				

<WLAN 5GHz>

5.8GHz WLAN Ant 5				Full		Receiver on		Hotspot		Sensor on		Duty Cycle %
Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit		
5.8GHz WLAN	802.11a 6Mbps	148	5745	17.82	19.50		14.50		13.00		13.00	96.53
		157	5785	17.74	19.50		14.50		13.00		13.00	
		165	5825	17.69	19.50		14.50		13.00		13.00	
	802.11n-HT20 MCSO	148	5745	17.84	19.50		14.50		13.00		13.00	97.01
		157	5785	17.76	19.50		14.50		13.00		13.00	
		165	5825	17.72	19.50		14.50		13.00		13.00	
	802.11n-HT40 MCSO	151	5755	16.87	18.50	Not Required	14.50	Not Required	13.00	Not Required	13.00	93.53
		159	5795	16.80	18.50		14.50		13.00		13.00	
		149	5745	17.92	19.50		14.50		13.00		13.00	
	802.11ac-VHT20 MCSO	157	5785	17.82	19.50		14.50		13.00		13.00	96.58
		165	5825	17.83	19.50		14.50		13.00		13.00	
		151	5755	16.78	18.50		14.50		13.00		13.00	
	802.11ac-VHT40 MCSO	159	5795	16.76	18.50		14.50		13.00		13.00	93.54
		149	5745	16.76	18.50		14.50		13.00		13.00	
	802.11ac-VHT80 MCSO	155	5775	15.76	17.50	12.90	14.50	11.33	13.00	11.33	13.00	87.80



<Bluetooth>			Ant 5		
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	10.40	8.50	8.50
	CH 39	2441	10.90	8.50	8.50
	CH 78	2480	10.90	8.90	8.00
Tuneup Limit			12	10	10

BLE			Ant 5	
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	1.60	1.50
	CH 19	2440	2.80	2.70
	CH 39	2480	1.60	1.50
Tuneup Limit			4.5	4.5