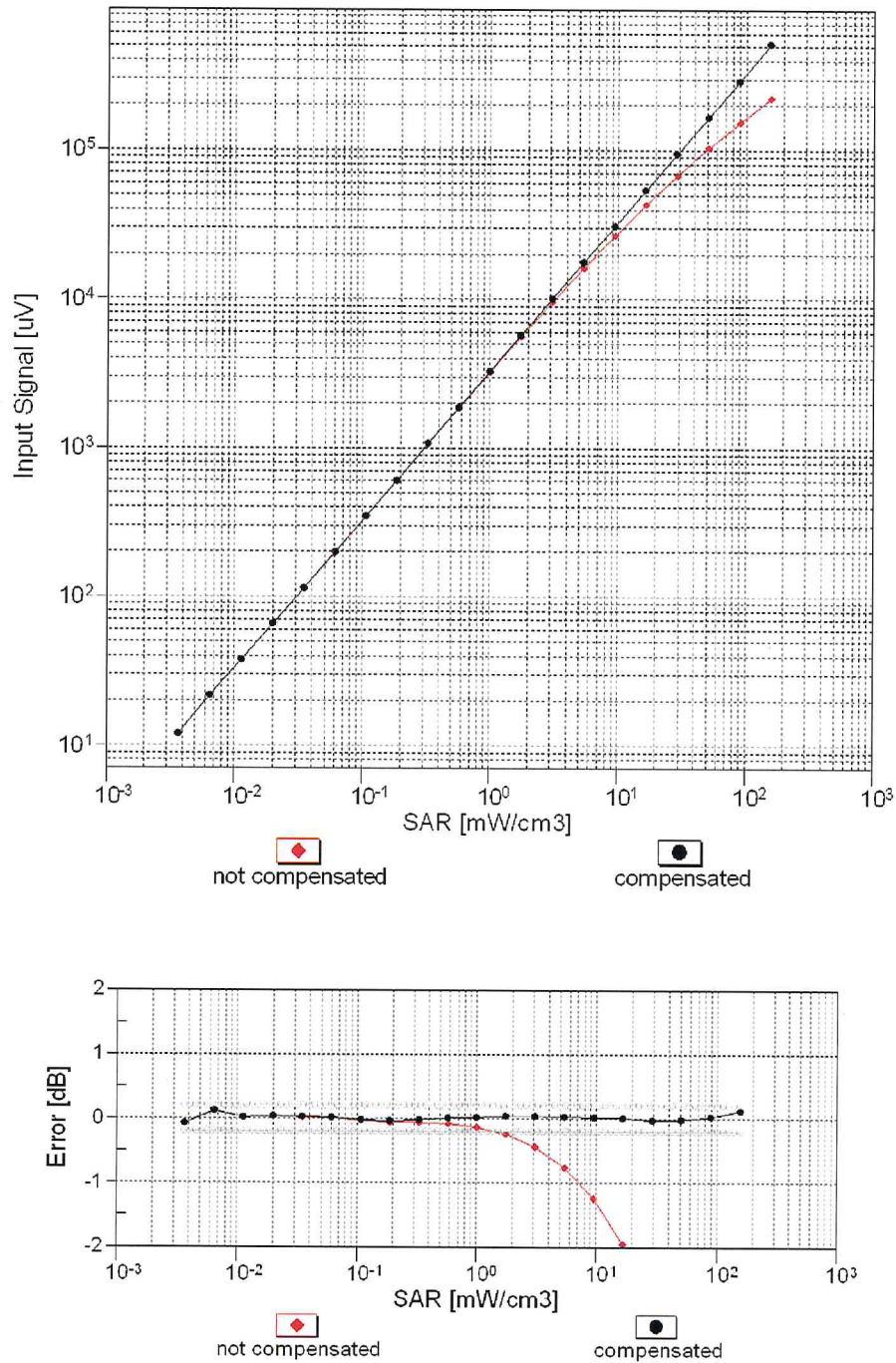
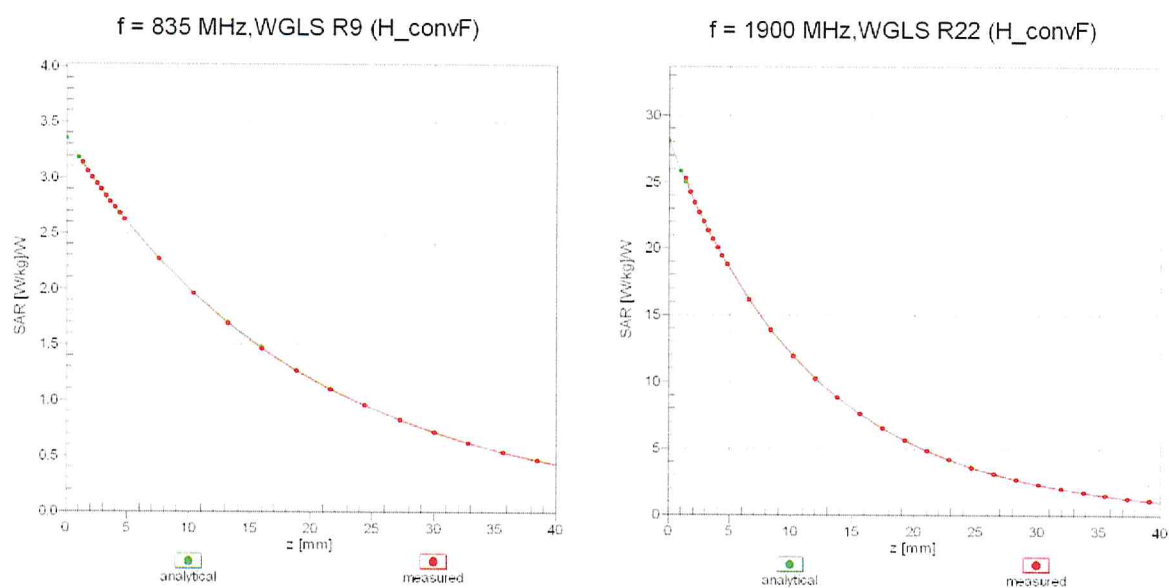


Dynamic Range $f(\text{SAR}_{\text{head}})$ (TEM cell , $f_{\text{eval}} = 1900 \text{ MHz}$)



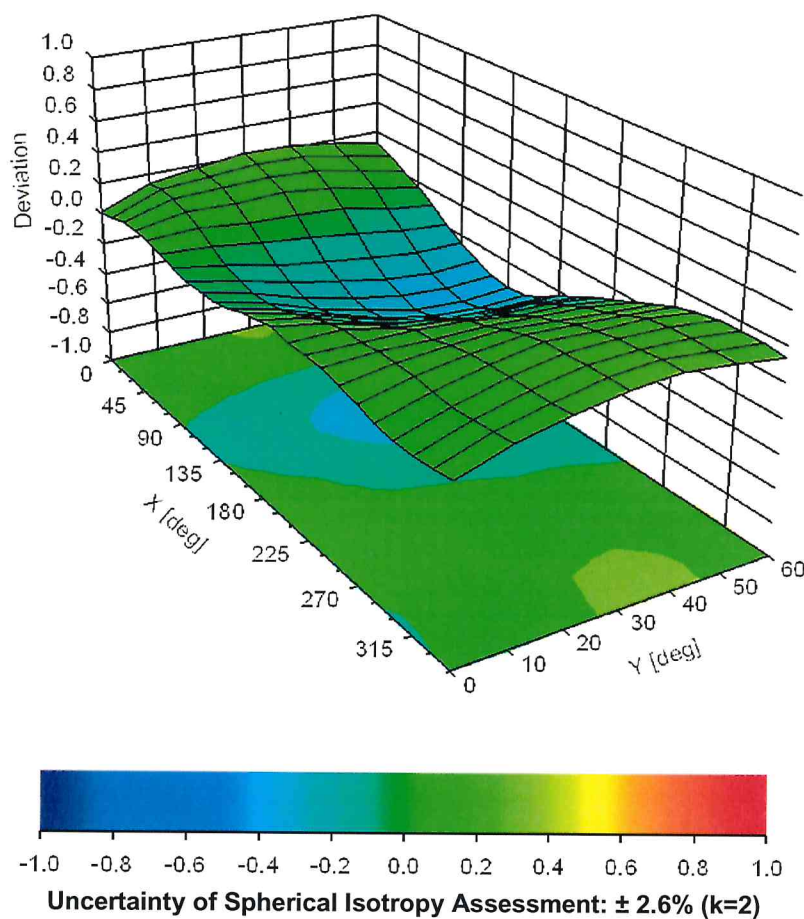
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), $f = 900 \text{ MHz}$





Appendix E. Conducted RF Output Power Table

The detailed power tables are shown as follows.

Power Level for Receiver on

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	834.2	836.4	848.8		834.2	836.4	848.8	
Frequency (MHz)	82.36	82.39	82.32	33.50	23.36	23.39	23.32	24.50
GSM 1 Tx slot	32.35	32.38	32.30	33.50	23.35	23.38	23.30	24.50
GPRS 2 Tx slots	31.57	31.60	31.51	32.50	25.57	25.60	25.51	26.50
GPRS 4 Tx slots	29.85	29.85	29.75	30.50	25.59	25.59	25.49	26.24
GPRS 8 Tx slots	28.68	28.69	28.59	29.50	25.68	25.69	25.59	26.50
EDGE 1 Tx slot	26.67	26.65	26.41	27.50	17.67	17.65	17.41	18.50
EDGE 2 Tx slots	25.41	25.34	25.16	26.50	19.41	19.34	19.16	20.50
EDGE 3 Tx slots	23.01	22.90	22.66	23.50	18.75	18.64	18.40	19.24
EDGE 4 Tx slots	21.81	21.71	21.45	22.50	18.81	18.71	18.45	19.50

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	28.76	29.24	28.83	30.50	19.76	20.24	19.83	21.50
GSM 1 Tx slot	28.75	29.23	28.80	30.50	19.75	20.23	19.80	21.50
GPRS 2 Tx slots	28.03	28.50	28.08	29.50	22.03	22.50	22.08	23.50
GPRS 3 Tx slots	26.23	26.50	26.36	27.50	21.97	22.24	22.10	23.24
GPRS 4 Tx slots	25.08	25.45	25.25	26.50	22.08	22.45	22.25	23.50
GPRS 1 Tx slot	24.69	25.11	25.06	26.50	19.69	19.11	19.06	17.50
EDGE 2 Tx slots	23.70	24.12	24.08	25.00	17.70	18.12	18.08	19.00
EDGE 3 Tx slots	21.74	22.14	22.08	23.00	17.48	17.88	17.82	18.74
EDGE 4 Tx slots	20.98	21.08	21.03	22.00	17.98	18.08	18.03	19.00

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1652.4	1680	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	22.61	22.68	22.65	24.00	22.94	23.04	23.01	24.00
3GPP Rel 99	RMK 12.2Kbps	22.62	22.69	22.66	24.00	22.99	23.06	23.04	24.00
3GPP Rel 6	HSDPA Subtest-1	21.58	21.69	21.66	23.00	21.95	21.79	21.82	23.00
3GPP Rel 6	HSDPA Subtest-2	21.59	21.58	21.65	23.00	21.88	21.82	21.83	23.00
3GPP Rel 6	HSDPA Subtest-3	21.06	21.11	21.20	22.50	21.40	21.34	21.35	22.50
3GPP Rel 6	HSDPA Subtest-4	21.07	21.04	21.14	22.50	21.41	21.35	21.33	22.50
3GPP Rel 6	DC-HSDPA Subtest-1	21.55	21.68	21.62	23.00	21.93	21.78	21.79	23.00
3GPP Rel 6	DC-HSDPA Subtest-2	21.56	21.57	21.61	23.00	21.86	21.81	21.80	23.00
3GPP Rel 6	DC-HSDPA Subtest-3	21.03	21.10	21.16	22.50	21.38	21.33	21.32	22.50
3GPP Rel 6	DC-HSDPA Subtest-4	21.04	21.03	21.10	22.50	21.39	21.34	21.30	22.50
3GPP Rel 6	HSPA Subtest-1	21.69	21.51	21.39	23.00	22.03	22.02	21.81	23.00
3GPP Rel 6	HSPA Subtest-2	19.78	19.53	19.51	21.00	20.01	19.90	19.97	21.00
3GPP Rel 6	HSPA Subtest-3	20.67	20.54	20.34	22.00	20.81	20.78	20.71	22.00
3GPP Rel 6	HSPA Subtest-4	19.82	19.51	19.51	21.00	19.92	19.79	19.79	21.00
3GPP Rel 6	HSPA Subtest-5	21.70	21.68	21.56	23.00	22.03	21.92	21.90	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.77	19.80	19.78	20.50	19.84	20.02	19.92	20.50

Band 2										
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				18700	18800	19100				
Frequency (MHz)				1860	1880	1900				
20	QPSK	1	0	22.56	22.77	22.34	24	0		
20	QPSK	1	49	22.66	22.67	22.72				
20	QPSK	1	99	22.39	22.41	22.65				
20	QPSK	50	0	21.50	21.98	21.84	23	1		
20	QPSK	50	24	21.65	21.91	21.71				
20	QPSK	50	50	21.65	21.88	21.63				
20	QPSK	100	0	21.57	21.92	21.73	23	1		
20	16QAM	1	0	21.50	21.73	21.60				
20	16QAM	1	49	21.84	21.78	21.88				
20	16QAM	1	99	21.56	21.73	21.47	22	2		
20	16QAM	50	0	20.47	20.96	20.80				
20	16QAM	50	24	20.62	20.89	20.67				
20	16QAM	50	50	20.62	20.84	20.60	22	2		
20	16QAM	100	0	20.54	20.92	20.68				
20	64QAM	1	0	20.53	20.85	20.69				
20	64QAM	1	49	20.69	20.80	20.89	22	2		
20	64QAM	1	99	20.77	20.85	20.62				
20	64QAM	50	0	19.71	20.20	20.02				
20	64QAM	50	24	19.83	20.13	19.88	21	3		
20	64QAM	50	50	19.86	20.08	19.81				
20	64QAM	100	0	19.79	20.14	19.92				
Channel				1867.5	1880	1902.5	Tune-up limit (dBm)	MPR (dB)		
15	QPSK	1	0	22.37	22.64	22.51	24	0		
15	QPSK	1	37	22.68	22.56	22.76				
15	QPSK	1	74	22.47	22.59	22.44				
15	QPSK	36	0	21.50	21.92	21.70	23	1		
15	QPSK	36	20	21.63	21.91	21.68				
15	QPSK	36	39	21.63	21.87	21.66				
15	QPSK	75	0	21.57	21.90	21.64	23	1		
15	16QAM	1	0	21.56	22.03	21.71				
15	16QAM	1	37	21.95	21.67	21.91				
15	16QAM	1	74	21.79	21.84	21.72	22	2		
15	16QAM	36	0	20.44	20.87	20.66				
15	16QAM	36	20	20.57	20.86	20.62				
15	16QAM	36	39	20.56	20.82	20.59	22	2		
15	16QAM	75	0	20.54	20.89	20.63				
15	64QAM	1	0	20.75	21.07	20.81				
15	64QAM	1	37	21.05	20.89	21.16	22	2		
15	64QAM	1	74	20.87	21.01	20.83				
15	64QAM	36	0	19.68	20.10	19.89				
15	64QAM	36	20	19.81	20.08	19.86	21	3		
15	64QAM	36	39	19.81	20.07	19.82				
15	64QAM	75	0	19.79	20.11	19.85				
Channel				1869.0	1890.0	1915.0	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	22.45	22.45	22.60	24	0		
10	QPSK	1	25	22.57	22.56	22.72				
10	QPSK	1	49	22.63	22.70	22.53				
10	QPSK	25	0	21.49	21.92	21.66	23	1		
10	QPSK	25	12	21.57	21.90	21.64				
10	QPSK	25	25	21.55	21.84	21.65				
10	16QAM	1	0	21.75	22.06	21.80	23	1		
10	16QAM	1	25	21.80	22.23	21.80				
10	16QAM	1	49	21.80	21.93	21.77				
10	16QAM	25	0	20.48	20.89	20.64	22	2		
10	16QAM	25	12	20.57	20.88	20.62				
10	16QAM	25	25	20.56	20.83	20.58				
10	16QAM	50	0	20.53	20.86	20.60	22	2		
10	64QAM	1	0	20.71	21.19	20.94				
10	64QAM	1	25	20.92	21.00	20.93				
10	64QAM	1	49	20.92	21.12	20.91	21	3		
10	64QAM	25	0	19.71	20.12	19.87				
10	64QAM	25	12	19.76	20.11	19.86				
10	64QAM	25	25	19.79	20.05	19.85	21	3		
10	64QAM	50	0	19.73	20.09	19.83				
Channel				1862.5	1890.0	1917.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	22.39	22.71	22.51	24	0		
5	QPSK	1	12	22.62	22.67	22.72				
5	QPSK	1	24	22.36	22.68	22.45				
5	QPSK	12	0	21.50	21.86	21.59	23	1		
5	QPSK	12	7	21.53	21.89	21.67				
5	QPSK	12	13	21.50	21.83	21.59				
5	QPSK	25	0	21.51	21.88	21.62	23	1		
5	16QAM	1	0	21.57	21.66	21.69				
5	16QAM	1	12	21.93	21.76	21.94				
5	16QAM	1	24	21.50	21.97	21.67	22	2		
5	16QAM	12	0	20.44	20.85	20.56				
5	16QAM	12	7	20.53	20.86	20.61				
5	16QAM	12	13	20.48	20.77	20.54	22	2		
5	16QAM	25	0	20.51	20.84	20.59				
5	64QAM	1	0	20.78	21.12	20.83				
5	64QAM	1	12	21.02	20.91	21.10	22	2		
5	64QAM	1	24	20.73	21.10	20.77				
5	64QAM	12	0	19.65	20.04	19.77				
5	64QAM	12	7	19.70	20.08	19.82	21	3		
5	64QAM	12	13	19.70	20.01	19.75				
5	64QAM	25	0	19.73	20.09	19.83				
Channel				1861.5	1890.0	1918.5	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	22.45	22.64	22.63	24	0		
3	QPSK	1	8	22.46	22.56	22.59				
3	QPSK	1	14	22.43	22.56	22.55				
3	QPSK	8	0	21.50	21.86	21.61	23	1		
3	QPSK	8	4	21.51	21.87	21.64				
3	QPSK	8	7	21.50	21.83	21.59				
3	QPSK	15	0	21.49	21.85	21.61	23	1		
3	16QAM	1	0	21.67	22.05	21.73				
3	16QAM	1	8	21.72	22.00	21.78				
3	16QAM	1	14	21.67	21.99	21.75	22	2		
3	16QAM	8	0	20.54	20.88	20.66				
3	16QAM	8	4	20.55	20.93	20.64				
3	16QAM	8	7	20.53	20.85	20.62	22	2		
3	16QAM	15	0	20.49	20.85	20.58				
3	64QAM	1	0	20.81	20.89	20.92				
3	64QAM	1	8	20.71	21.19	20.89	22	2		
3	64QAM	1	14	20.82	21.16	20.94				
3	64QAM	8	0	19.76	20.12	19.88				
3	64QAM	8	4	19.75	20.10	19.83	21	3		
3	64QAM	8	7	19.78	20.06	19.80				
3	64QAM	15	0	19.71	20.03	19.80				
Channel				1860.0	1900.0	1913.0	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				1852.0	1884.0	1905.0				
1.4	QPSK	1	0	22.42	22.54	22.55	24	0		
1.4	QPSK	1	3	22.56	22.55	22.67				
1.4	QPSK	1	5	22.42	22.55	22.53				
1.4	QPSK	3	0	22.56	22.54	22.64	24	0		
1.4	QPSK	3	1	22.58	22.56	22.72				
1.4	QPSK	3	3	22.54	22.55	22.64				
1.4	QPSK	6	0	21.53	21.90	21.68	23	1		
1.4	16QAM	1	0	21.66	21.97	21.70				
1.4	16QAM	1	3	21.71	22.11	21.92				
1.4	16QAM	1	5	21.71	22.05	21.72	23	1		
1.4	16QAM	3	0	21.49	21.83	21.66				
1.4	16QAM	3	1	21.50	21.95	21.69				
1.4	16QAM	3	3	21.50	21.88	21.58	22	2		
1.4	16QAM	6	0	20.80	20.95	20.76				
1.4	64QAM	1	0	20.78	20.89	20.92				
1.4	64QAM	1	3	20.81	20.80	21.01	22	2		
1.4	64QAM	1	5	20.69	20.91	20.85				
1.4	64QAM	3	0	20.76	21.19	20.88				
1.4	64QAM	3	1	20.81	21.15	20.97	22	2		
1.4	64QAM	3	3	20.78	21.15	20.84				
1.4	64QAM	6	0	19.76	20.14	19.89				

Band 26									
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				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	22.67	22.76	22.55	24	0	
15	QPSK	1	37	22.47	22.61	22.56			
15	QPSK	1	74	22.52	22.54	22.53			
15	QPSK	36	0	21.33	21.55	21.46	23	1	
15	QPSK	36	20	21.42	21.38	21.51			
15	QPSK	36	39	21.30	21.40	21.48			
15	QPSK	75	0	21.38	21.50	21.47	23	1	
15	16QAM	1	0	21.46	21.48	21.50			
15	16QAM	1	37	21.72	21.71	21.80			
15	16QAM	1	74	21.45	21.52	21.64	22	2	
15	16QAM	36	0	20.30	20.35	20.43			
15	16QAM	36	20	20.36	20.37	20.46			
15	16QAM	36	39	20.33	20.36	20.45	22	2	
15	16QAM	75	0	20.34	20.35	20.48			
15	64QAM	1	0	20.36	20.35	20.39			
15	64QAM	1	37	20.65	20.63	20.67	21	3	
15	64QAM	1	74	20.35	20.41	20.52			
15	64QAM	36	0	19.30	19.35	19.41			
15	64QAM	36	20	19.36	19.38	19.48	21	3	
15	64QAM	36	39	19.33	19.36	19.44			
15	64QAM	75	0	19.33	19.36	19.48			
Channel				26740	26845	26990	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				819	821.5	844			
10	QPSK	1	0	22.20	22.25	22.36	24	0	
10	QPSK	1	25	22.37	22.40	22.60			
10	QPSK	1	49	22.34	22.35	22.43			
10	QPSK	25	0	21.31	21.48	21.57	23	1	
10	QPSK	25	12	21.36	21.39	21.54			
10	QPSK	25	25	21.44	21.41	21.50			
10	QPSK	50	0	21.35	21.47	21.53	23	1	
10	16QAM	1	0	21.53	21.50	21.63			
10	16QAM	1	25	21.60	21.65	21.86			
10	16QAM	1	49	21.54	21.61	21.71	22	2	
10	16QAM	25	0	20.27	20.45	20.56			
10	16QAM	25	12	20.35	20.37	20.55			
10	16QAM	25	25	20.42	20.39	20.46	22	2	
10	16QAM	50	0	20.34	20.45	20.54			
10	64QAM	1	0	20.43	20.41	20.51			
10	64QAM	1	25	20.52	20.55	20.71	21	3	
10	64QAM	1	49	20.46	20.50	20.63			
10	64QAM	25	0	19.29	19.45	19.55			
10	64QAM	25	12	19.34	19.36	19.54	21	3	
10	64QAM	25	25	19.38	19.39	19.47			
10	64QAM	50	0	19.30	19.43	19.52			
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	22.20	22.20	22.34	24	0	
5	QPSK	1	12	22.42	22.46	22.57			
5	QPSK	1	24	22.13	22.18	22.35			
5	QPSK	12	0	21.24	21.39	21.53	23	1	
5	QPSK	12	7	21.34	21.43	21.53			
5	QPSK	12	13	21.27	21.35	21.44			
5	QPSK	25	0	21.25	21.35	21.49	23	1	
5	16QAM	1	0	21.42	21.42	21.60			
5	16QAM	1	12	21.62	21.72	21.82			
5	16QAM	1	24	21.42	21.43	21.59	22	2	
5	16QAM	12	0	20.24	20.29	20.50			
5	16QAM	12	7	20.29	20.35	20.51			
5	16QAM	12	13	20.23	20.29	20.42	22	2	
5	16QAM	25	0	20.25	20.35	20.49			
5	64QAM	1	0	20.32	20.33	20.49			
5	64QAM	1	12	20.53	20.60	20.73	21	3	
5	64QAM	1	24	20.29	20.34	20.52			
5	64QAM	12	0	19.19	19.29	19.50			
5	64QAM	12	7	19.28	19.35	19.50	21	3	
5	64QAM	12	13	19.24	19.28	19.43			
5	64QAM	25	0	19.26	19.34	19.49			
Channel				26795	26865	27025	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	22.28	22.31	22.45	24	0	
3	QPSK	1	8	22.24	22.31	22.42			
3	QPSK	1	14	22.23	22.28	22.44			
3	QPSK	8	0	21.27	21.36	21.53	23	1	
3	QPSK	8	4	21.32	21.38	21.56			
3	QPSK	8	7	21.28	21.35	21.54			
3	QPSK	15	0	21.28	21.36	21.55	23	1	
3	16QAM	1	0	21.53	21.50	21.70			
3	16QAM	1	8	21.49	21.54	21.71			
3	16QAM	1	14	21.49	21.53	21.75	22	2	
3	16QAM	8	0	20.32	20.38	20.57			
3	16QAM	8	4	20.35	20.40	20.59			
3	16QAM	8	7	20.32	20.38	20.58	22	2	
3	16QAM	15	0	20.27	20.35	20.55			
3	64QAM	1	0	20.43	20.41	20.60			
3	64QAM	1	8	20.38	20.42	20.65	21	3	
3	64QAM	1	14	20.38	20.45	20.64			
3	64QAM	8	0	19.28	19.34	19.54			
3	64QAM	8	4	19.32	19.37	19.54	21	3	
3	64QAM	8	7	19.29	19.34	19.53			
3	64QAM	15	0	19.25	19.33	19.51			
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				814.7	831.5	848.3			
1.4	QPSK	1	0	22.25	22.27	22.36	24	0	
1.4	QPSK	1	3	22.38	22.37	22.52			
1.4	QPSK	1	5	22.22	22.25	22.44			
1.4	QPSK	3	0	22.36	22.35	22.53	23	1	
1.4	QPSK	3	1	22.40	22.41	22.56			
1.4	QPSK	3	3	22.34	22.36	22.54			
1.4	QPSK	6	0	21.34	21.40	21.62	23	1	
1.4	16QAM	1	0	21.47	21.45	21.64			
1.4	16QAM	1	3	21.60	21.57	21.75			
1.4	16QAM	1	5	21.45	21.47	21.67	23	1	
1.4	16QAM	3	0	21.32	21.32	21.53			
1.4	16QAM	3	1	21.35	21.34	21.55			
1.4	16QAM	3	3	21.28	21.30	21.53	22	2	
1.4	16QAM	6	0	20.39	20.43	20.64			
1.4	64QAM	1	0	20.38	20.37	20.58			
1.4	64QAM	1	3	20.46	20.49	20.65	22	2	
1.4	64QAM	1	5	20.34	20.39	20.58			
1.4	64QAM	3	0	20.35	20.37	20.62			
1.4	64QAM	3	1	20.40	20.42	20.63	21	3	
1.4	64QAM	3	3	20.32	20.37	20.60			
1.4	64QAM	6	0	19.31	19.38	19.58			

Band 38									
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				37850	38000	38150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	22.71	23.06	23.03	24	0	
20	QPSK	1	49	22.73	22.63	23.01			
20	QPSK	1	99	23.01	22.91	22.70			
20	QPSK	50	0	21.90	22.33	22.16	23	1	
20	QPSK	50	24	22.04	22.27	22.25			
20	QPSK	50	50	22.09	22.32	22.24			
20	QPSK	100	0	21.99	22.25	22.22	23	1	
20	16QAM	1	0	21.91	22.36	22.25			
20	16QAM	1	49	22.26	22.31	22.37			
20	16QAM	1	99	22.21	22.28	22.37	22	2	
20	16QAM	50	0	20.86	21.18	21.12			
20	16QAM	50	24	21.00	21.22	21.18			
20	16QAM	50	50	21.05	21.25	21.19	21	3	
20	16QAM	100	0	20.96	21.22	21.21			
20	64QAM	1	0	21.09	21.39	21.44			
20	64QAM	1	49	21.45	21.48	21.54	22	2	
20	64QAM	1	99	21.37	21.57	21.48			
20	64QAM	50	0	20.09	20.38	20.36			
20	64QAM	50	24	20.22	20.44	20.43	21	3	
20	64QAM	50	50	20.27	20.48	20.43			
20	64QAM	100	0	20.20	20.47	20.43			
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	22.82	22.91	22.79	24	0	
15	QPSK	1	37	23.03	22.93	22.89			
15	QPSK	1	74	22.97	22.91	22.79			
15	QPSK	36	0	21.88	22.23	22.27	23	1	
15	QPSK	36	20	21.96	22.29	22.28			
15	QPSK	36	39	22.01	22.26	22.31			
15	QPSK	75	0	21.92	22.27	22.32	23	1	
15	16QAM	1	0	22.00	22.49	22.38			
15	16QAM	1	37	22.27	22.44	22.47			
15	16QAM	1	74	22.32	22.35	22.42	22	2	
15	16QAM	36	0	20.87	21.25	21.24			
15	16QAM	36	20	20.98	21.30	21.27			
15	16QAM	36	39	21.01	21.25	21.32	21	3	
15	16QAM	75	0	20.82	21.26	21.30			
15	64QAM	1	0	21.17	21.60	21.48			
15	64QAM	1	37	21.58	21.65	21.60	22	2	
15	64QAM	1	74	21.26	21.64	21.57			
15	64QAM	36	0	20.10	20.46	20.47			
15	64QAM	36	20	20.20	20.51	20.50	21	3	
15	64QAM	36	39	20.24	20.49	20.54			
15	64QAM	75	0	20.15	20.49	20.53			
Channel				37800 <th>38000</th> <th>38200</th> <th rowspan="2">Tune-up limit (dBm)</th> <th colspan="2" rowspan="2">MPR (dB)</th>	38000	38200	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2575 <th>2595<th>2615</th></th>	2595 <th>2615</th>	2615			
10	QPSK	1	0	22.83	22.82	22.96	24	0	
10	QPSK	1	25	22.95	22.92	23.01			
10	QPSK	1	49	22.91	23.01	22.89			
10	QPSK	25	0	21.87	22.29	22.02	23	1	
10	QPSK	25	12	21.95	22.27	22.00			
10	QPSK	25	25	21.93	22.21	22.02			
10	QPSK	50	0	21.91	22.27	22.01	23	1	
10	16QAM	1	0	22.13	22.43	22.16			
10	16QAM	1	25	22.18	22.60	22.16			
10	16QAM	1	49	22.18	22.30	22.13	22	2	
10	16QAM	25	0	20.86	21.26	21.00			
10	16QAM	25	12	20.95	21.25	20.98			
10	16QAM	25	25	20.94	21.20	20.94	22	2	
10	16QAM	50	0	20.91	21.23	20.96			
10	64QAM	1	0	21.09	21.56	21.30			
10	64QAM	1	25	21.30	21.37	21.29	22	2	
10	64QAM	1	49	21.30	21.49	21.27			
10	64QAM	25	0	20.09	20.49	20.23			
10	64QAM	25	12	20.16	20.46	20.22	21	3	
10	64QAM	25	25	20.17	20.42	20.21			
10	64QAM	50	0	20.11	20.46	20.19			
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2572.5 <th>2595</th> <th>2617.5</th>	2595	2617.5			
5	QPSK	1	0	22.75	23.01	22.87	24	0	
5	QPSK	1	12	23.04	22.93	22.99			
5	QPSK	1	24	22.85	22.96	22.80			
5	QPSK	12	0	21.88	22.29	22.06	23	1	
5	QPSK	12	7	22.01	22.28	22.04			
5	QPSK	12	13	22.01	22.24	22.02			
5	QPSK	25	0	21.95	22.27	22.00	23	1	
5	16QAM	1	0	21.94	22.40	22.07			
5	16QAM	1	12	22.33	22.04	22.27			
5	16QAM	1	24	22.17	22.21	22.08	22	2	
5	16QAM	12	0	20.92	21.24	21.02			
5	16QAM	12	7	20.95	21.23	20.98			
5	16QAM	12	13	20.94	21.19	20.95	22	2	
5	16QAM	25	0	20.92	21.26	20.99			
5	64QAM	1	0	21.13	21.44	21.17			
5	64QAM	1	12	21.43	21.26	21.52	22	2	
5	64QAM	1	24	21.25	21.38	21.19			
5	64QAM	12	0	20.08	20.47	20.25			
5	64QAM	12	7	20.19	20.45	20.22	21	3	
5	64QAM	12	13	20.19	20.44	20.18			
5	64QAM	25	0	20.17	20.46	20.21			

Band 41										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch / Freq	Power Low Middle Ch / Freq	Power Middle Ch / Freq	Power High Middle Ch / Freq	Power High Ch / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40390	40640	40890	41140	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				25455	25705	25955	26205	26455		
20	QPSK	1	0	23.13	23.21	23.24	23.22	23.19	24	0
20	QPSK	1	49	23.19	23.10	23.12	23.16	23.23		
20	QPSK	1	99	23.02	23.15	23.04	23.19	22.96		
20	QPSK	50	0	22.05	22.46	22.47	22.37	22.10		
20	QPSK	50	24	22.21	22.43	22.37	22.40	22.18		
20	QPSK	50	50	22.28	22.45	22.34	22.34	22.10	23	1
20	QPSK	100	0	22.15	22.41	22.42	22.39	22.13		
20	16QAM	1	0	22.27	22.32	22.21	22.17	22.20		
20	16QAM	1	49	22.44	22.54	22.81	22.37	22.45	23	1
20	16QAM	1	99	22.31	22.37	22.26	22.48	22.18		
20	16QAM	50	0	21.02	21.36	21.30	21.36	21.07		
20	16QAM	50	24	21.20	21.43	21.34	21.37	21.12	22	2
20	16QAM	50	50	21.24	21.42	21.33	21.28	21.05		
20	16QAM	100	0	21.09	21.38	21.32	21.35	21.10		
20	64QAM	1	0	21.31	21.42	21.28	21.63	21.34	22	2
20	64QAM	1	49	21.54	21.42	21.84	21.42	21.61		
20	64QAM	1	99	21.30	21.52	21.43	21.61	21.28		
20	64QAM	50	0	20.22	20.61	20.51	20.55	20.28		
20	64QAM	50	24	20.43	20.63	20.57	20.59	20.33		
20	64QAM	50	50	20.48	20.64	20.55	20.52	20.26	21	3
20	64QAM	100	0	20.35	20.61	20.56	20.59	20.33		
Channel				40115 <th>40378<th>40640<th>40803<th>41165</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40378 <th>40640<th>40803<th>41165</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	40640 <th>40803<th>41165</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	40803 <th>41165</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	41165		
Frequency (MHz)				2542.5 <th>2568.5<th>2594.5<th>2620.5<th>2646.5</th><th></th><th></th></th></th></th>	2568.5 <th>2594.5<th>2620.5<th>2646.5</th><th></th><th></th></th></th>	2594.5 <th>2620.5<th>2646.5</th><th></th><th></th></th>	2620.5 <th>2646.5</th> <th></th> <th></th>	2646.5		
15	QPSK	1	0	22.84	23.20	23.18	22.96	23.11	24	0
15	QPSK	1	37	22.86	23.07	23.16	23.07	23.08		
15	QPSK	1	74	23.14	23.05	22.85	23.21	23.04		
15	QPSK	36	0	22.03	22.44	22.31	22.43	22.17		
15	QPSK	36	20	22.17	22.41	22.40	22.41	22.15		
15	QPSK	36	39	22.22	22.46	22.46	22.47	22.17	23	1
15	QPSK	36	58	22.12	22.39	22.37	22.41	22.16		
15	16QAM	1	0	22.32	22.50	22.40	22.57	22.31		
15	16QAM	1	37	22.41	22.45	22.52	22.74	22.31	23	1
15	16QAM	1	74	22.34	22.42	22.52	22.44	22.28		
15	16QAM	36	0	20.99	21.32	21.27	21.40	21.15		
15	16QAM	36	25	21.15	21.36	21.31	21.59	21.13	22	2
15	16QAM	36	39	21.18	21.39	21.34	21.34	21.09		
15	16QAM	75	0	21.09	21.36	21.36	21.37	21.11		
15	64QAM	1	0	21.22	21.53	21.59	21.70	21.45	22	2
15	64QAM	1	37	21.58	21.62	21.69	21.51	21.44		
15	64QAM	1	74	21.50	21.71	21.63	21.63	21.42		
15	64QAM	36	0	20.22	20.52	20.51	20.63	20.38		
15	64QAM	36	20	20.35	20.58	20.58	20.58	20.37		
15	64QAM	36	39	20.40	20.62	20.62	20.62	20.36	21	3
15	64QAM	36	58	20.33	20.61	20.58	20.60	20.34		
Channel				40090	40365	40640	40915	41190		
Frequency (MHz)				2540	2567.5	2595	2622.5	2650		
10	QPSK	1	0	22.95	23.05	22.94	23.15	23.02	24	0
10	QPSK	1	49	23.16	23.07	23.04	23.07	23.22		
10	QPSK	1	99	23.10	23.07	22.94	23.10	22.95		
10	QPSK	25	0	22.01	22.37	22.42	22.43	22.21		
10	QPSK	25	12	22.09	22.43	22.43	22.42	22.19		
10	QPSK	25	25	22.14	22.40	22.46	22.38	22.17	23	1
10	QPSK	50	0	22.05	22.41	22.47	22.41	22.15		
10	16QAM	1	0	22.13	22.63	22.53	22.54	22.22		
10	16QAM	1	49	22.40	22.58	22.62	22.78	22.42	23	1
10	16QAM	1	99	22.45	22.49	22.57	22.35	22.23		
10	16QAM	25	0	21.05	21.39	21.39	21.38	21.17		
10	16QAM	25	12	21.11	21.44	21.42	21.37	21.13	22	2
10	16QAM	25	25	21.14	21.39	21.47	21.33	21.10		
10	16QAM	50	0	21.05	21.40	21.45	21.40	21.14		
10	64QAM	1	0	21.30	21.74	21.63	21.58	21.31	22	2
10	64QAM	1	24	21.51	21.79	21.71	21.67	21.67		
10	64QAM	1	49	21.39	21.78	21.72	21.52	21.34		
10	64QAM	25	0	20.23	20.60	20.62	20.61	20.40		
10	64QAM	25	12	20.33	20.65	20.65	20.59	20.37		
10	64QAM	25	25	20.37	20.63	20.69	20.58	20.33	21	3
10	64QAM	50	0	20.28	20.63	20.68	20.62	20.36		
Channel				40065 <th>40333<th>40600<th>40868<th>41135</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th></th>	40333 <th>40600<th>40868<th>41135</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th></th>	40600 <th>40868<th>41135</th><th>Tune-up limit (dBm)</th><th>MPR (dB)</th></th>	40868 <th>41135</th> <th>Tune-up limit (dBm)</th> <th>MPR (dB)</th>	41135		
Frequency (MHz)				2537.5 <th>2566.5<th>2595.5<th>2624.5<th>2653.5</th><th></th><th></th></th></th></th>	2566.5 <th>2595.5<th>2624.5<th>2653.5</th><th></th><th></th></th></th>	2595.5 <th>2624.5<th>2653.5</th><th></th><th></th></th>	2624.5 <th>2653.5</th> <th></th> <th></th>	2653.5		
5	QPSK	1	0	22.83	23.20	23.04	23.10	22.85	24	0
5	QPSK	1	12	23.18	23.16	22.85	23.18	23.01		
5	QPSK	1	24	22.93	22.86	23.00	22.92	23.15		
5	QPSK	12	0	22.10	22.31	22.20	22.49	22.36		
5	QPSK	12	12	22.03	22.41	22.34	22.42	22.22		
5	QPSK	12	24	22.03	22.36	22.36	22.42	22.14	23	1
5	QPSK	25	0	22.01	22.36	22.21	22.43	22.24		
5	16QAM	1	0	22.13	22.42	22.21	22.24	22.11		
5	16QAM	1	12	22.42	22.27	22.42	22.29	22.39	23	1
5	16QAM	1	24	22.15	22.45	22.23	22.24	21.98		
5	16QAM	12	0	21.08	21.29	21.16	21.47	21.31		
5	16QAM	12	7	21.01	21.40	21.40	21.24	21.18	22	2
5	16QAM	12	13	21.02	21.30	21.13	21.35	21.11		
5	16QAM	25	0	21.03	21.34	21.20	21.43	21.19		
5	64QAM	1	0	21.40	21.59	21.41	21.36	21.20	22	2
5	64QAM	1	12	21.49	21.63	21.59	21.31	21.40		
5	64QAM	1	24	21.41	21.62	21.41	21.36	21.13		
5	64QAM	12	0	20.13	20.50	20.36	20.54	20.53		
5	64QAM	12	7	20.22	20.60	20.36	20.59	20.53		
5	64QAM	12	13	20.22	20.53	20.35	20.59	20.32	21	3
5	64QAM	25	0	20.24	20.57	20.45	20.65	20.43		

Power Level for Receiver off

GSM850		Burst-Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
Tx Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.36	32.39	32.32	33.50	23.36	23.39	23.32	24.50
GPRS 1 Tx slot		32.35	32.38	32.30	33.50	23.35	23.38	23.30	24.50
GPRS 2 Tx slots		31.57	31.60	31.51	32.50	25.57	25.60	25.51	26.50
GPRS 3 Tx slots		29.85	29.85	29.75	30.50	25.59	25.59	25.49	26.24
GPRS 4 Tx slots		28.68	28.69	28.59	29.50	25.68	25.69	25.59	26.50
EDGE 1 Tx slot		26.67	26.65	26.41	27.50	17.67	17.65	17.41	18.50
EDGE 2 Tx slots		25.41	25.34	25.16	26.50	19.41	19.34	19.16	20.50
EDGE 3 Tx slots		23.01	22.90	22.66	23.50	18.75	18.64	18.40	19.24
EDGE 4 Tx slots		21.81	21.71	21.45	22.50	18.81	18.71	18.45	19.50

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		27.06	27.15	27.14	28.00	18.06	18.15	18.14	19.00
GPRS 1 Tx slot		27.12	27.16	27.15	28.00	18.12	18.16	18.15	19.00
GPRS 2 Tx slots		26.19	26.22	26.24	27.00	20.19	20.22	20.24	21.00
GPRS 3 Tx slots		24.17	24.21	24.28	25.00	19.91	19.95	20.02	20.74
GPRS 4 Tx slots		23.09	23.14	23.22	24.00	20.09	20.14	20.22	21.00
EDGE 1 Tx slot		22.56	22.97	22.91	24.00	13.56	13.97	13.91	15.00
EDGE 2 Tx slots		21.56	21.97	21.96	22.50	15.56	15.97	15.96	16.50
EDGE 3 Tx slots		19.57	20.02	19.93	20.50	15.31	15.76	15.67	16.24
EDGE 4 Tx slots		18.84	18.93	18.91	19.50	15.84	15.93	15.91	16.50

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
Tx Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	16.90	17.03	16.91	18.50	22.94	23.04	23.01	24.00
3GPP Rel 99	RMC 12.2Kbps	17.02	17.05	16.99	18.50	22.99	23.05	23.04	24.00
3GPP Rel 6	HSDPA Subtest-1	16.00	15.91	15.99	17.50	21.95	21.79	21.82	23.00
3GPP Rel 6	HSDPA Subtest-2	15.97	15.83	15.94	17.50	21.88	21.82	21.83	23.00
3GPP Rel 6	HSDPA Subtest-3	15.51	15.48	15.46	17.00	21.40	21.34	21.35	22.50
3GPP Rel 6	HSDPA Subtest-4	15.54	15.45	15.44	17.00	21.41	21.35	21.33	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	15.92	15.93	15.99	17.50	21.93	21.78	21.79	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.03	15.81	15.93	17.50	21.86	21.81	21.80	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.55	15.41	15.48	17.00	21.38	21.33	21.32	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.54	15.48	15.52	17.00	21.39	21.34	21.30	22.50
3GPP Rel 6	HSDPA Subtest-1	15.92	15.91	16.03	17.50	22.03	22.02	21.81	23.00
3GPP Rel 6	HSDPA Subtest-2	14.11	14.05	14.18	15.50	20.01	19.90	19.97	21.00
3GPP Rel 6	HSDPA Subtest-3	15.18	15.03	14.98	16.50	20.81	20.78	20.71	22.00
3GPP Rel 6	HSDPA Subtest-4	14.11	14.18	14.21	15.50	19.92	19.79	19.79	21.00
3GPP Rel 6	HSDPA Subtest-5	15.80	15.70	15.70	17.50	22.03	21.92	21.90	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.34	14.46	14.30	15.00	19.84	20.02	19.92	20.50



Band 2												
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	17.35	17.45	17.43	19	0				
20	QPSK	1	49	17.41	17.41	17.44						
20	QPSK	1	99	17.00	17.02	17.01						
20	QPSK	50	0	16.21	16.42	16.40	18	1				
20	QPSK	50	24	16.32	16.34	16.34						
20	QPSK	50	50	16.27	16.38	16.38						
20	QPSK	100	0	16.22	16.38	16.23	18	1				
20	16QAM	1	0	16.31	16.40	16.39						
20	16QAM	1	49	16.76	16.76	16.82						
20	16QAM	1	99	16.30	16.36	16.38	17	2				
20	16QAM	50	0	15.36	15.50	15.45						
20	16QAM	50	24	15.43	15.39	15.42						
20	16QAM	50	50	15.36	15.42	15.34	17	2				
20	16QAM	100	0	15.33	15.47	15.37						
20	64QAM	1	0	15.42	15.29	15.32	17	2				
20	64QAM	1	49	15.45	15.54	15.45						
20	64QAM	1	99	15.22	15.25	15.22						
20	64QAM	50	0	14.32	14.47	14.42	16	3				
20	64QAM	50	24	14.44	14.41	14.36						
20	64QAM	50	50	14.35	14.39	14.31						
20	64QAM	100	0	14.28	14.40	14.37	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
15	QPSK	1	0	17.09	17.08	17.09	19	0				
15	QPSK	1	37	17.01	17.39	17.38						
15	QPSK	1	74	17.14	17.07	17.11						
15	QPSK	36	0	16.22	16.28	16.26	18	1				
15	QPSK	36	20	16.31	16.25	16.28						
15	QPSK	36	39	16.27	16.20	16.26						
15	QPSK	75	0	16.28	16.24	16.25	18	1				
15	16QAM	1	0	16.46	16.44	16.45						
15	16QAM	1	37	16.61	16.74	16.66						
15	16QAM	1	74	16.52	16.54	16.41	17	2				
15	16QAM	36	0	16.27	16.23	16.23						
15	16QAM	36	20	15.36	15.29	15.36						
15	16QAM	36	39	15.35	15.25	15.31	17	2				
15	16QAM	75	0	15.36	15.32	15.36						
15	64QAM	1	0	15.52	15.43	15.35	17	2				
15	64QAM	1	37	15.71	15.60	15.54						
15	64QAM	1	74	15.38	15.40	15.38						
15	64QAM	36	0	14.28	14.29	14.30	16	3				
15	64QAM	36	20	14.26	14.26	14.28						
15	64QAM	36	39	14.35	14.35	14.28						
15	64QAM	75	0	14.29	14.26	14.27	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
10	QPSK	1	0	17.15	17.18	17.13	19	0				
10	QPSK	1	25	17.34	17.29	17.23						
10	QPSK	1	49	17.18	17.09	17.16						
10	QPSK	25	0	16.17	16.22	16.20	18	1				
10	QPSK	25	12	16.23	16.16	16.17						
10	QPSK	25	25	16.25	16.11	16.21						
10	QPSK	50	0	16.25	16.15	16.20	18	1				
10	16QAM	1	0	16.44	16.30	16.27						
10	16QAM	1	25	16.60	16.60	16.59						
10	16QAM	1	49	16.55	16.44	16.49	17	2				
10	16QAM	25	0	15.21	15.30	15.31						
10	16QAM	25	12	15.29	15.21	15.28						
10	16QAM	25	25	15.34	15.20	15.31	17	2				
10	16QAM	50	0	15.29	15.24	15.29						
10	64QAM	1	0	15.47	15.38	15.41						
10	64QAM	1	25	15.05	15.42	15.46	17	2				
10	64QAM	1	49	15.47	15.43	15.44						
10	64QAM	25	0	14.21	14.26	14.26	16	3				
10	64QAM	25	12	14.25	14.21	14.21						
10	64QAM	25	25	14.32	14.19	14.28						
10	64QAM	50	0	14.27	14.18	14.28	Turn-up limit (dBm)	MPR (dB)				
Channel												
Frequency (MHz)												
5	QPSK	1	0	17.11	17.08	17.06	19	0				
5	QPSK	1	12	17.23	17.28	17.34						
5	QPSK	1	24	17.52	17.22	17.01						
5	QPSK	12	0	16.16	16.19	16.33	18	1				
5	QPSK	12	7	16.20	16.17	16.34						
5	QPSK	12	13	16.34	16.11	16.14						
5	QPSK	25	0	16.62	16.12	16.21	18	1				
5	16QAM	1	0	16.48	16.45	16.17						
5	16QAM	1	12	16.34	16.57	16.14						
5	16QAM	1	24	16.43	16.23	16.34	17	2				
5	16QAM	12	0	15.25	15.26	15.45						
5	16QAM	12	7	15.27	15.29	15.30						
5	16QAM	12	13	15.28	15.22	15.22	17	2				
5	16QAM	25	0	15.63	15.23	15.27						
5	64QAM	1	0	15.37	15.29	15.23						
5	64QAM	1	12	15.32	15.44	15.26	17	2				
5	64QAM	1	24	15.23	15.30	15.36						
5	64QAM	12	0	14.24	14.24	14.23						
5	64QAM	12	7	14.21	14.26	14.23	16	3				
5	64QAM	12	13	14.32	14.22	14.23						
5	64QAM	25	0	14.23	14.32	14.23						
Channel												
Frequency (MHz)												
3	QPSK	1	0	17.14	17.12	17.16	19	0				
3	QPSK	1	8	17.32	17.09	17.21						
3	QPSK	1	14	17.22	17.23	17.13						
3	QPSK	8	0	16.14	16.14	16.12	18	1				
3	QPSK	8	4	16.39	16.11	16.16						
3	QPSK	8	7	16.54	16.09	16.15						
3	QPSK	15	0	16.26	16.46	16.14	18	1				
3	16QAM	1	0	16.45	16.45	16.47						
3	16QAM	1	8	16.45	16.50	16.52						
3	16QAM	1	14	16.54	16.55	16.27	17	2				
3	16QAM	8	0	15.28	15.32	15.22						
3	16QAM	8	4	15.18	15.24	15.34						
3	16QAM	8	7	15.23	15.19	15.29	17	2				
3	16QAM	10	0	15.36	15.41	15.23						
3	64QAM	1	0	15.34	15.41	15.33						
3	64QAM	1	8	15.32	15.42	15.34	17	2				
3	64QAM	1	14	15.23	15.22	15.42						
3	64QAM	8	0	14.20	14.43	14.22						
3	64QAM	8	4	14.15	14.21	14.25	16	3				
3	64QAM	8	7	14.10	14.10	14.34						
3	64QAM	15	0	14.45	14.23	14.33						
Channel												
Frequency (MHz)												
1.4	QPSK	1	0	17.07	17.10	17.13	19	0				
1.4	QPSK	1	3	17.17	17.25	17.25						
1.4	QPSK	1	5	17.10	17.07	17.13						
1.4	QPSK	3	0	17.19	17.17	17.21	18	1				
1.4	QPSK	3	1	17.29	17.23	17.27						
1.4	QPSK	3	3	17.21	17.20	17.25						
1.4	QPSK	6	0	16.13	16.14	16.21	18	1				
1.4	16QAM	1	0	16.37	16.39	16.45						
1.4	16QAM	1	3	16.60	16.46	16.54						
1.4	16QAM	1	5	16.39	16.43	16.31	18	1				
1.4	16QAM	3	0	16.14	16.16	16.23						
1.4	16QAM	3	1	16.31	16.19	16.39	17	2				
1.4	16QAM	3	3	16.15	16.22	16.21						
1.4	16QAM	6	0	15.33	15.34	15.30						
1.4	64QAM	1	0	15.25	15.24	15.36	17	2				
1.4	64QAM	1	3	15.38	15.53	15.54						
1.4	64QAM	1	5	15.28	15.29	15.43						
1.4	64QAM	3	0	15.33	15.28	15.36	17	2				
1.4	64QAM	3	1	15.30	15.26	15.46						
1.4	64QAM	3	3	15.32	15.30	15.38						
1.4	64QAM	6	0	14.21	14.18	14.19	16	3				

Band 26										
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				26765	26865	26965				
Frequency (MHz)				831.5	831.5	841.5				
15	QPSK	1	0	22.87	22.78	22.55	24	0		
15	QPSK	1	37	22.47	22.61	22.58				
15	QPSK	1	74	22.52	22.54	22.53				
15	QPSK	36	0	21.33	21.55	21.46	23	1		
15	QPSK	36	20	21.42	21.38	21.51				
15	QPSK	36	39	21.39	21.40	21.48				
15	QPSK	75	0	21.38	21.50	21.47	23	1		
15	16QAM	1	0	21.46	21.48	21.50				
15	16QAM	1	37	21.72	21.71	21.90				
15	16QAM	1	74	21.45	21.52	21.64	22	2		
15	16QAM	36	0	20.30	20.35	20.43				
15	16QAM	36	20	20.36	20.37	20.46				
15	16QAM	36	39	20.33	20.36	20.45	22	2		
15	16QAM	75	0	20.34	20.36	20.48				
15	64QAM	1	0	20.36	20.35	20.39	22	2		
15	64QAM	1	37	20.66	20.63	20.67				
15	64QAM	1	74	20.39	20.41	20.52				
15	64QAM	36	0	19.30	19.35	19.41	21	3		
15	64QAM	36	20	19.36	19.38	19.48				
15	64QAM	36	39	19.33	19.36	19.44				
15	64QAM	75	0	19.33	19.36	19.46				
Channel				26740	26865	26960	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				819	831.5	844				
10	QPSK	1	0	22.29	22.28	22.36	24	0		
10	QPSK	1	25	22.37	22.40	22.60				
10	QPSK	1	49	22.34	22.35	22.43				
10	QPSK	25	0	21.31	21.46	21.57	23	1		
10	QPSK	25	12	21.36	21.39	21.54				
10	QPSK	25	25	21.44	21.41	21.50				
10	QPSK	50	0	21.35	21.47	21.53	23	1		
10	16QAM	1	0	21.53	21.50	21.63				
10	16QAM	1	25	21.60	21.65	21.86				
10	16QAM	1	49	21.54	21.61	21.71	22	2		
10	16QAM	25	0	20.27	20.45	20.56				
10	16QAM	25	12	20.35	20.37	20.55				
10	16QAM	25	25	20.42	20.39	20.48	22	2		
10	16QAM	50	0	20.34	20.45	20.54				
10	64QAM	1	0	20.43	20.41	20.51				
10	64QAM	1	25	20.52	20.55	20.71	22	2		
10	64QAM	1	49	20.48	20.50	20.63				
10	64QAM	25	0	19.28	19.45	19.55				
10	64QAM	25	12	19.34	19.36	19.54	21	3		
10	64QAM	25	25	19.38	19.39	19.47				
10	64QAM	50	0	19.30	19.43	19.52				
Channel				26715	26865	27015	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				816.5	831.5	846.5				
5	QPSK	1	0	22.20	22.20	22.34	24	0		
5	QPSK	1	12	22.42	22.46	22.57				
5	QPSK	1	24	22.13	22.18	22.35				
5	QPSK	12	0	21.24	21.36	21.53	23	1		
5	QPSK	12	7	21.34	21.43	21.53				
5	QPSK	12	13	21.27	21.35	21.44				
5	QPSK	25	0	21.25	21.35	21.49	23	1		
5	16QAM	1	0	21.42	21.42	21.60				
5	16QAM	1	12	21.62	21.72	21.82				
5	16QAM	1	24	21.42	21.43	21.59	22	2		
5	16QAM	12	0	20.24	20.29	20.50				
5	16QAM	12	7	20.29	20.35	20.51				
5	16QAM	12	13	20.23	20.29	20.42	22	2		
5	16QAM	25	0	20.25	20.35	20.49				
5	64QAM	1	0	20.32	20.33	20.49				
5	64QAM	1	12	20.53	20.60	20.73	22	2		
5	64QAM	1	24	20.29	20.34	20.52				
5	64QAM	12	0	19.19	19.29	19.50				
5	64QAM	12	7	19.28	19.35	19.50	21	3		
5	64QAM	12	13	19.24	19.28	19.43				
5	64QAM	25	0	19.26	19.34	19.49				
Channel				26705	26865	27025	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				815.5	831.5	847.5				
3	QPSK	1	0	22.28	22.31	22.45	24	0		
3	QPSK	1	8	22.24	22.31	22.42				
3	QPSK	1	14	22.23	22.28	22.44				
3	QPSK	8	0	21.27	21.36	21.53	23	1		
3	QPSK	8	4	21.32	21.38	21.56				
3	QPSK	8	7	21.28	21.35	21.54				
3	QPSK	15	0	21.28	21.36	21.55	23	1		
3	16QAM	1	0	21.53	21.50	21.70				
3	16QAM	1	8	21.49	21.54	21.71				
3	16QAM	1	14	21.49	21.53	21.75	22	2		
3	16QAM	8	0	20.32	20.38	20.57				
3	16QAM	8	4	20.35	20.40	20.59				
3	16QAM	8	7	20.32	20.38	20.58	22	2		
3	16QAM	15	0	20.27	20.35	20.55				
3	64QAM	1	0	20.43	20.41	20.60				
3	64QAM	1	8	20.38	20.42	20.65	22	2		
3	64QAM	1	14	20.38	20.45	20.64				
3	64QAM	8	0	19.29	19.34	19.54				
3	64QAM	8	4	19.32	19.37	19.54	21	3		
3	64QAM	8	7	19.29	19.34	19.53				
3	64QAM	15	0	19.25	19.33	19.51				
Channel				26697	26865	27033	Tune-up limit (dBm)	MPR (dB)		
Frequency (MHz)				814.7	831.5	848.3				
1.4	QPSK	1	0	22.25	22.27	22.36	24	0		
1.4	QPSK	1	3	22.38	22.37	22.52				
1.4	QPSK	1	5	22.22	22.25	22.44				
1.4	QPSK	3	0	22.36	22.35	22.63	23	1		
1.4	QPSK	3	1	22.40	22.41	22.56				
1.4	QPSK	3	3	22.34	22.36	22.54				
1.4	QPSK	6	0	21.34	21.40	21.62	23	1		
1.4	16QAM	1	0	21.47	21.45	21.64				
1.4	16QAM	1	3	21.60	21.57	21.75				
1.4	16QAM	1	5	21.45	21.47	21.67	23	1		
1.4	16QAM	3	0	21.32	21.32	21.53				
1.4	16QAM	3	1	21.35	21.34	21.65				
1.4	16QAM	3	3	21.28	21.30	21.53	22	2		
1.4	16QAM	6	0	20.39	20.43	20.64				
1.4	64QAM	1	0	20.38	20.37	20.58				
1.4	64QAM	1	3	20.46	20.49	20.65	22	2		
1.4	64QAM	1	5	20.34	20.39	20.58				
1.4	64QAM	3	0	20.35	20.37	20.62				
1.4	64QAM	3	1	20.40	20.42	20.63	21	3		
1.4	64QAM	3	3	20.32	20.37	20.60				
1.4	64QAM	6	0	19.31	19.38	19.58				

Band 38									
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				37850	38050	38150			
Frequency (MHz)									
20	QPSK	1	0	20.44	20.75	20.28	21	0	
20	QPSK	1	49	20.58	20.50	20.45			
20	QPSK	1	99	20.37	20.30	20.26			
20	QPSK	50	0	19.56	19.44	19.42	20	1	
20	QPSK	50	24	19.56	19.47	19.47			
20	QPSK	50	50	19.53	19.42	19.37			
20	QPSK	100	0	19.63	19.55	19.46	20	1	
20	16QAM	1	0	19.47	19.34	19.31			
20	16QAM	1	49	19.72	19.66	19.61			
20	16QAM	1	99	19.42	19.33	19.33	19	2	
20	16QAM	50	0	18.56	18.44	18.42			
20	16QAM	100	0	18.64	18.57	18.51			
20	64QAM	1	0	18.51	18.37	18.33	19	2	
20	64QAM	1	99	18.43	18.35	18.34			
20	64QAM	50	0	17.75	17.65	17.65			
20	64QAM	50	24	17.77	17.70	17.67	18	3	
20	64QAM	50	50	17.72	17.63	17.59			
20	64QAM	100	0	17.91	17.86	17.79			
Channel				37875	38070	38175			
Frequency (MHz)									
15	QPSK	1	0	20.63	20.50	20.53	21	0	
15	QPSK	1	37	20.73	20.66	20.53			
15	QPSK	1	74	20.63	20.45	20.43			
15	QPSK	36	0	19.76	19.67	19.60	20	1	
15	QPSK	36	20	19.78	19.66	19.62			
15	QPSK	36	36	19.76	19.62	19.57			
15	QPSK	75	0	19.64	19.52	19.52	20	1	
15	16QAM	1	0	19.68	19.49	19.47			
15	16QAM	1	37	19.79	19.66	19.57			
15	16QAM	1	74	19.62	19.50	19.49	19	2	
15	16QAM	36	0	18.65	18.56	18.51			
15	16QAM	36	20	18.66	18.59	18.53			
15	16QAM	36	36	18.64	18.52	18.50	19	2	
15	16QAM	75	0	18.60	18.52	18.55			
15	64QAM	1	0	18.71	18.55	18.47			
15	64QAM	1	37	18.84	18.71	18.59	19	2	
15	64QAM	1	74	18.67	18.53	18.46			
15	64QAM	36	0	17.93	17.84	17.80			
15	64QAM	36	20	17.97	17.86	17.82	18	3	
15	64QAM	36	36	17.91	17.81	17.80			
15	64QAM	75	0	17.84	17.77	17.80			
Channel				37900	38090	38200			
Frequency (MHz)									
10	QPSK	1	0	20.69	20.56	20.53	21	0	
10	QPSK	1	25	20.64	20.57	20.46			
10	QPSK	1	49	20.66	20.55	20.50			
10	QPSK	25	0	19.67	19.63	19.60	20	1	
10	QPSK	25	12	19.71	19.63	19.59			
10	QPSK	25	25	19.68	19.62	19.59			
10	QPSK	50	0	19.62	19.50	19.53	20	1	
10	16QAM	1	0	19.69	19.60	19.57			
10	16QAM	1	25	19.54	19.56	19.52			
10	16QAM	1	49	19.67	19.58	19.56	19	2	
10	16QAM	25	0	18.72	18.63	18.61			
10	16QAM	25	12	18.75	18.67	18.60			
10	16QAM	25	25	18.71	18.59	18.61	19	2	
10	16QAM	50	0	18.65	18.53	18.52			
10	64QAM	1	0	18.71	18.60	18.58			
10	64QAM	1	25	18.62	18.62	18.53	19	2	
10	64QAM	1	49	18.69	18.59	18.55			
10	64QAM	25	0	17.93	17.82	17.82			
10	64QAM	25	12	17.97	17.87	17.79	18	3	
10	64QAM	25	25	17.92	17.81	17.81			
10	64QAM	50	0	17.84	17.72	17.75			
Channel				37775	38055	38175			
Frequency (MHz)									
5	QPSK	1	0	20.57	20.44	20.38	21	0	
5	QPSK	1	12	20.67	20.60	20.55			
5	QPSK	1	24	20.59	20.45	20.39			
5	QPSK	12	0	19.74	19.65	19.55	20	1	
5	QPSK	12	7	19.77	19.75	19.61			
5	QPSK	12	13	19.74	19.63	19.57			
5	QPSK	25	0	19.65	19.57	19.56	20	1	
5	16QAM	1	0	19.65	19.51	19.45			
5	16QAM	1	12	19.66	19.68	19.62			
5	16QAM	1	24	19.60	19.50	19.44	19	2	
5	16QAM	12	0	18.65	18.54	18.50			
5	16QAM	12	7	18.70	18.63	18.56			
5	16QAM	12	13	18.66	18.53	18.51	19	2	
5	16QAM	25	0	18.69	18.63	18.57			
5	64QAM	1	0	18.67	18.57	18.48			
5	64QAM	1	12	18.63	18.72	18.66	19	2	
5	64QAM	1	24	18.64	18.55	18.46			
5	64QAM	12	0	17.81	17.79	17.72			
5	64QAM	12	7	17.96	17.87	17.80	18	3	
5	64QAM	12	13	17.91	17.76	17.76			
5	64QAM	25	0	17.88	17.83	17.77			

Band 41										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				40140	40300	40640	40800	41140		
Frequency (MHz)										
20	QPSK	1	0	20.77	20.56	20.58	20.40	20.87	21	0
20	QPSK	1	49	20.77	20.60	20.67	20.70	20.72		
20	QPSK	1	99	20.71	20.59	20.44	20.41	20.45		
20	QPSK	50	0	19.87	19.70	19.96	19.62	19.89	20	1
20	QPSK	50	24	19.94	19.77	19.69	19.60	19.59		
20	QPSK	50	50	19.95	19.79	19.64	19.54	19.56		
20	QPSK	100	0	19.87	19.79	19.89	19.64	19.61	20	1
20	16QAM	1	0	19.55	19.46	19.33	19.26	19.24		
20	16QAM	1	49	19.70	19.58	19.60	19.55	19.53		
20	16QAM	1	99	19.45	19.43	19.30	19.23	19.25	19	2
20	16QAM	50	0	18.62	18.47	18.40	18.40	18.34		
20	16QAM	50	24	18.73	18.55	18.47	18.40	18.35		
20	16QAM	50	50	18.71	18.57	18.39	18.33	18.35	19	2
20	16QAM	100	0	18.71	18.54	18.45	18.40	18.36		
20	64QAM	1	0	18.60	18.42	18.30	18.23	18.21		
20	64QAM	1	49	18.68	18.56	18.66	18.52	18.51	19	2
20	64QAM	1	99	18.51	18.40	18.25	18.22	18.32		
20	64QAM	50	0	17.89	17.76	17.68	17.66	17.61		
20	64QAM	50	24	18.00	17.82	17.72	17.67	17.62	18	3
20	64QAM	50	50	17.99	17.83	17.64	17.61	17.63		
20	64QAM	100	0	17.96	17.81	17.84	17.76	17.74		
Channel				40115	40378	40640	40800	41165		
Frequency (MHz)										
15	QPSK	1	0	20.87	20.77	20.65	20.63	20.54	21	0
15	QPSK	1	37	20.78	20.76	20.87	20.79	20.73		
15	QPSK	1	74	20.67	20.76	20.63	20.57	20.59		
15	QPSK	36	0	19.98	19.80	19.74	19.75	19.83	20	1
15	QPSK	36	20	19.98	19.90	19.44	19.45	19.33		
15	QPSK	36	36	19.71	19.54	19.50	19.42	19.37		
15	QPSK	75	0	19.72	19.55	19.44	19.37	19.40	20	1
15	16QAM	1	0	19.69	19.49	19.40	19.37	19.28		
15	16QAM	1	37	19.71	19.63	19.40	19.37	19.32		
15	16QAM	1	74	19.73	19.58	19.59	19.50	19.55	20	1
15	16QAM	36	0	19.34	19.25	19.19	19.09	19.15		
15	16QAM	36	20	19.34	18.18	18.08	18.07	17.96		
15	16QAM	36	36	19.39	19.22	18.15	18.06	18.03	19	2
15	16QAM	75	0	18.40	18.31	18.08	18.01	18.03		
15	64QAM	1	0	18.42	18.25	18.15	18.12	18.09		
15	64QAM	1	37	18.58	18.59	18.27	18.22	18.10	19	2
15	64QAM	1	74	18.58	18.42	18.37	18.27	18.32		
15	64QAM	36	0	17.41	17.42	17.24	17.15	17.23		
15	64QAM	36	20	17.71	17.54	17.45	17.44	17.34	18	3
15	64QAM	36	36	17.60	17.40	17.32	17.42	17.38		
15	64QAM	75	0	17.78	17.58	17.43	17.30	17.40		
Channel				40040	40303	40640	40800	41150		
Frequency (MHz)										
10	QPSK	1	0	20.88	20.75	20.64	20.67	20.58	21	0
10	QPSK	1	25	20.87	20.68	20.60	20.59	20.54		
10	QPSK	1	49	20.85	20.80	20.65	20.55	20.64		
10	QPSK	25	0	19.88	19.73	19.66	19.67	19.65	20	1
10	QPSK	25	12	19.94	19.77	19.56	19.67	19.67		
10	QPSK	25	25	19.94	19.76	19.64	19.67	19.66		
10	QPSK	50	0	19.90	19.74	19.60	19.58	19.65	20	1
10	16QAM	1	0	19.84	19.74	19.60	19.52	19.63		
10	16QAM	1	25	19.91	19.73	19.64	19.63	19.63		
10	16QAM	1	49	19.91	19.84	19.70	19.62	19.68	20	1
10	16QAM	25	0	19.93	19.78	19.75	19.69	19.67		
10	16QAM	25	12	19.72	18.51	18.48	18.40	18.42		
10	16QAM	25	25	18.70	18.51	18.40	18.33	18.37	19	2
10	16QAM	50	0	18.67	18.53	18.40	18.35	18.39		
10	64QAM	1	0	18.40	18.55	18.45	18.45	18.42		
10	64QAM	1	25	18.68	18.51	18.41	18.40	18.41	19	2
10	64QAM	1	49	18.70	18.58	18.47	18.41	18.48		
10	64QAM	25	0	17.93	17.76	17.68	17.67	17.67		
10	64QAM	25	12	17.71	17.52	17.44	17.39	17.45	18	3
10	64QAM	25	25	17.70	17.53	17.38	17.37	17.38		
10	64QAM	50	0	17.66	17.49	17.36	17.29	17.35		
Channel				40055	40303	40640	40806	41215		
Frequency (MHz)										
5	QPSK	1	0	20.98	20.58	20.48	20.49	20.47	21	0
5	QPSK	1	12	20.88	20.75	20.65	20.65	20.52		
5	QPSK	1	24	20.78	20.58	20.54	20.45	20.53		
5	QPSK	12	0	19.89	19.71	19.60	19.58	19.66	20	1
5	QPSK	12	7	19.98	19.73	19.68	19.64	19.68		
5	QPSK	12	12	19.92	19.72	19.61	19.59	19.65		
5	QPSK	25	0	19.93	19.69	19.65	19.58	19.61	20	1
5	16QAM	1	0	19.87	19.69	19.57	19.58	19.59		
5	16QAM	1	12	19.95	19.68	19.57	19.71	19.93		
5	16QAM	1	24	19.80	19.65	19.58	19.62	19.62	20	1
5	16QAM	12	0	19.86	19.66	19.60	19.53	19.58		
5	16QAM	12	7	19.95	19.70	18.66	18.57	18.67		
5	16QAM	12	13	19.90	18.67	18.61	18.51	18.60	19	2
5	16QAM	25	0	19.96	18.73	18.68	18.61	18.68		
5	64QAM	1	0	19.95	18.75	18.64	18.56	18.63		
5	64QAM	1	12	19.79	19.66	19.55	19.51	19.76	19	2
5	64QAM	1	24	18.65	18.43	18.37	18.29	18.30		
5	64QAM	12	0	17.89	17.68	17.60	17.54	17.64		
5	64QAM	12	7	17.96	17.71	17.66	17.59	17.62	18	3
5	64QAM	12	13	17.89	17.69	17.63	17.62	17.62		
5	64QAM	25	0	17.95	17.71	17.66	17.60	17.64		

2.4GHz WLAN		Ant 1				
2.4GHz WLAN	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
	802.11b 1Mbps	1	2412	16.63	17.50	100.00
		6	2437	16.83	17.50	
		11	2462	16.59	17.50	
	802.11g 6Mbps	1	2412	16.26	17.50	96.97
		6	2437	16.67	17.50	
		11	2462	16.40	17.50	
	802.11n-HT20 MCS0	1	2412	15.24	16.50	96.76
		6	2437	16.55	17.50	
		11	2462	16.24	17.50	

Bluetooth BR/EDR					
Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	9.50	8.12	8.05
	CH 39	2441	10.04	8.30	8.31
	CH 78	2480	10.28	8.71	8.74
Tune-up Limit			11	9.5	9.5

Bluetooth LE 4.0				
Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	
LE	CH 00	2402	-2.95	
	CH 19	2440	-2.05	
	CH 39	2480	-2.60	
Tune-up Limit			0	

Bluetooth LE 5.0			
Mode	Channel	Frequency (MHz)	Average power (dBm)
			1Mbps
LE	CH 00	2402	-2.94
	CH 19	2440	-2.06
	CH 39	2480	-2.60
Tune-up Limit			0