



REPORT No.: SZ23030174S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacture document.



Full Power for Ant 0 & Ant 2 & Ant 3

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	128	189	251		128	189	251		
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8	33.50	23.60	23.64	23.61	24.50	
GSM 1 Tx slot	32.60	32.64	32.61	33.50	23.63	23.67	23.63	24.50	0.07
GPRS 1 Tx slot	32.63	32.67	32.63	33.50	23.63	23.67	23.63	24.50	
GPRS 2 Tx slots	30.56	30.60	30.55	31.50	24.56	24.60	24.55	25.50	0.05
GPRS 3 Tx slots	28.74	28.78	28.75	30.00	24.48	24.52	24.49	25.74	0.04
GPRS 4 Tx slots	27.42	27.46	27.43	29.00	24.42	24.46	24.43	26.00	0.04
EDGE 1 Tx slot	27.78	27.89	27.85	29.00	18.78	18.89	18.85	20.00	0.11
EDGE 2 Tx slots	26.54	26.67	26.65	27.50	20.54	20.67	20.65	21.50	0.13
EDGE 3 Tx slots	24.49	24.63	24.59	25.00	20.23	20.37	20.33	20.74	0.14
EDGE 4 Tx slots	22.17	22.28	22.24	22.50	19.17	19.28	19.24	19.50	0.11
Mode		Max.	32.67			Max.	24.60		
Attenuator	Cable Loss : 0.6								

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8	30.50	20.52	20.81	20.80	21.50	
GSM 1 Tx slot	29.52	29.81	29.80	30.50	20.56	20.85	20.82	21.50	0.33
GPRS 1 Tx slot	29.56	29.85	29.82	30.50	20.56	20.85	20.82	21.50	
GPRS 2 Tx slots	27.48	27.59	27.54	28.50	21.48	21.59	21.54	22.50	0.11
GPRS 3 Tx slots	26.00	26.07	26.02	27.50	21.74	21.81	21.76	23.24	0.07
GPRS 4 Tx slots	24.10	24.12	24.18	25.50	21.10	21.12	21.18	22.50	0.08
EDGE 1 Tx slot	28.82	28.55	28.56	29.00	19.82	19.55	19.56	20.00	0.27
EDGE 2 Tx slots	28.66	28.51	28.21	29.00	22.66	22.51	22.21	23.00	0.45
EDGE 3 Tx slots	25.32	24.84	24.93	25.50	21.06	20.58	20.67	21.24	0.48
EDGE 4 Tx slots	23.65	23.58	23.23	23.80	20.65	20.58	20.23	20.80	0.42
Mode		Max.	29.85			Max.	22.66		
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
Frequency (MHz)	1852.4	1880	1907.6	24.00	23.09	23.13	23.08	24.00	23.45	23.48	23.46	24.50	
3GPP Rel 99	RMC 12.2Kbps	23.11	23.18	23.12	24.00	23.09	23.13	23.08	24.00	23.45	23.48	23.46	24.50
3GPP Rel 6	HSDPA Subtest-1	22.02	22.10	22.02	23.00	22.10	22.10	22.26	23.00	22.34	22.24	22.13	23.50
3GPP Rel 6	HSDPA Subtest-2	21.91	22.02	22.00	23.00	22.11	22.14	22.23	23.00	22.35	22.25	22.15	23.50
3GPP Rel 6	HSDPA Subtest-3	21.91	21.93	21.92	23.00	22.03	22.09	22.18	23.00	22.27	22.21	22.11	23.50
3GPP Rel 6	HSDPA Subtest-4	21.91	21.93	21.92	23.00	22.04	22.10	22.19	23.00	22.31	22.29	22.12	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.11	22.17	22.08	23.00	22.14	22.21	22.09	23.00	22.53	22.34	22.27	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.15	22.14	22.06	23.00	22.18	22.27	22.14	23.00	22.59	22.38	22.34	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.10	22.14	22.04	23.00	22.19	22.25	22.14	23.00	22.52	22.33	22.27	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.12	22.16	22.05	23.00	22.21	22.27	22.16	23.00	22.53	22.34	22.28	23.50
3GPP Rel 6	HSUPA Subtest-1	21.48	21.25	21.54	23.00	21.68	21.93	21.92	23.00	21.94	21.67	21.50	23.50
3GPP Rel 6	HSUPA Subtest-2	21.07	20.99	21.14	22.00	21.17	21.38	21.31	22.00	20.54	20.41	20.40	22.50
3GPP Rel 6	HSUPA Subtest-3	21.05	21.16	21.09	22.00	21.67	21.89	21.85	22.00	20.52	20.61	20.49	22.50
3GPP Rel 6	HSUPA Subtest-4	21.76	21.84	21.75	23.00	21.72	21.53	21.88	23.00	21.99	21.75	21.56	23.50
3GPP Rel 6	HSUPA Subtest-5	22.86	23.05	22.97	24.00	22.60	22.84	22.74	24.00	23.35	23.36	23.17	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.88	22.68	22.74	24.00	22.89	23.03	22.97	24.00	23.31	23.34	23.16	24.50
Attenuator		Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6		
Mode		Max.	23.18			Max.	23.13			Max.	23.48		



3	QPSK	15	0	21.43	21.47	21.43	22.5
3	16QAM	1	0	21.43	21.49	21.37	
3	16QAM	1	8	21.43	21.45	21.38	
3	16QAM	1	14	21.28	21.42	21.40	21.5
3	16QAM	8	0	20.36	20.47	20.38	
3	16QAM	8	4	20.34	20.42	20.43	
3	16QAM	8	7	20.34	20.39	20.32	21.5
3	16QAM	15	0	20.53	20.49	20.48	
3	64QAM	1	0	19.85	19.90	19.90	
3	64QAM	1	8	19.88	19.88	19.87	20.5
3	64QAM	1	14	19.81	19.92	19.86	
3	64QAM	8	0	18.67	18.78	18.71	
3	64QAM	8	4	18.60	18.69	18.61	20.5
3	64QAM	8	7	18.71	18.71	18.65	
3	64QAM	15	0	18.65	18.66	18.63	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.54	22.56	22.50	23.5
1.4	QPSK	1	3	22.43	22.50	22.49	
1.4	QPSK	1	5	22.49	22.55	22.46	
1.4	QPSK	3	0	22.53	22.47	22.58	
1.4	QPSK	3	1	22.39	22.49	22.43	
1.4	QPSK	3	3	22.32	22.41	22.34	
1.4	QPSK	6	0	21.43	21.51	21.44	22.5
1.4	16QAM	1	0	21.46	21.47	21.45	22.5
1.4	16QAM	1	3	21.38	21.42	21.33	
1.4	16QAM	1	5	21.31	21.45	21.37	
1.4	16QAM	3	0	21.38	21.42	21.37	
1.4	16QAM	3	1	21.34	21.42	21.40	
1.4	16QAM	3	3	21.33	21.42	21.29	
1.4	16QAM	6	0	20.53	20.47	20.52	21.5
1.4	64QAM	1	0	19.87	19.95	19.90	21.5
1.4	64QAM	1	3	19.82	19.90	19.89	
1.4	64QAM	1	5	19.78	19.91	19.95	
1.4	64QAM	3	0	19.66	19.77	19.64	
1.4	64QAM	3	1	19.62	19.75	19.66	
1.4	64QAM	3	3	19.70	19.67	19.67	
1.4	64QAM	6	0	18.64	18.63	18.65	20.5

3	QPSK	15	0	21.34	21.35	21.31	22.5
3	16QAM	1	0	22.02	22.08	22.07	
3	16QAM	1	8	22.10	22.08	21.98	
3	16QAM	1	14	21.96	22.09	22.01	21.5
3	16QAM	8	0	19.89	19.96	19.95	
3	16QAM	8	4	19.82	19.91	19.85	
3	16QAM	8	7	19.87	19.93	19.85	21.5
3	16QAM	15	0	20.25	20.32	20.35	
3	64QAM	1	0	19.93	20.04	19.87	
3	64QAM	1	8	19.96	20.00	19.95	20.5
3	64QAM	1	14	19.84	19.92	19.90	
3	64QAM	8	0	18.91	18.84	18.85	
3	64QAM	8	4	18.84	18.87	18.75	20.5
3	64QAM	8	7	18.77	18.86	18.76	
3	64QAM	15	0	18.85	18.84	18.84	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.39	22.49	22.37	23.5
1.4	QPSK	1	3	22.33	22.36	22.33	
1.4	QPSK	1	5	22.28	22.42	22.32	
1.4	QPSK	3	0	22.39	22.47	22.41	
1.4	QPSK	3	1	22.27	22.38	22.32	
1.4	QPSK	3	3	22.25	22.32	22.35	
1.4	QPSK	6	0	21.32	21.40	21.26	22.5
1.4	16QAM	1	0	21.96	22.04	22.02	22.5
1.4	16QAM	1	3	22.03	22.04	21.98	
1.4	16QAM	1	5	21.95	22.01	22.00	
1.4	16QAM	3	0	20.88	20.91	20.93	
1.4	16QAM	3	1	20.88	20.93	20.86	
1.4	16QAM	3	3	20.87	20.85	20.82	
1.4	16QAM	6	0	20.21	20.40	20.33	21.5
1.4	64QAM	1	0	19.99	20.01	19.91	21.5
1.4	64QAM	1	3	19.91	19.99	19.97	
1.4	64QAM	1	5	19.85	19.91	19.90	
1.4	64QAM	3	0	19.84	19.90	19.84	
1.4	64QAM	3	1	19.86	19.82	19.77	
1.4	64QAM	3	3	19.85	19.87	19.74	
1.4	64QAM	6	0	18.86	18.84	18.82	20.5



3	QPSK	15	0	21.36	21.40	21.40	
3	16QAM	1	0	22.02	22.13	22.03	
3	16QAM	1	8	22.05	22.10	22.01	22.5
3	16QAM	1	14	21.94	22.09	21.92	
3	16QAM	8	0	19.93	20.00	19.89	
3	16QAM	8	4	20.04	20.06	20.00	21.5
3	16QAM	8	7	19.95	19.97	19.87	
3	16QAM	15	0	20.03	20.05	20.05	
3	64QAM	1	0	20.20	20.26	20.20	
3	64QAM	1	8	20.16	20.28	20.20	21.5
3	64QAM	1	14	20.23	20.24	20.19	
3	64QAM	8	0	18.67	18.69	18.72	
3	64QAM	8	4	18.62	18.60	18.64	20.5
3	64QAM	8	7	18.64	18.64	18.62	
3	64QAM	15	0	18.65	18.78	18.74	
Channel				131979	132922	132665	
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)
1.4	QPSK	1	0	22.74	22.74	22.72	
1.4	QPSK	1	3	22.60	22.71	22.67	
1.4	QPSK	1	5	22.61	22.72	22.59	23.5
1.4	QPSK	3	0	22.30	22.42	22.30	
1.4	QPSK	3	1	22.39	22.39	22.28	
1.4	QPSK	3	3	22.37	22.40	22.35	
1.4	QPSK	6	0	21.38	21.43	21.33	22.5
1.4	16QAM	1	0	21.98	22.07	21.97	
1.4	16QAM	1	3	22.03	22.08	22.01	
1.4	16QAM	1	5	22.01	22.08	22.01	22.5
1.4	16QAM	3	0	20.82	20.89	20.83	
1.4	16QAM	3	1	20.92	20.89	20.86	
1.4	16QAM	3	3	20.89	20.84	20.74	
1.4	16QAM	6	0	19.97	20.12	20.04	21.5
1.4	64QAM	1	0	20.25	20.33	20.25	
1.4	64QAM	1	3	20.21	20.31	20.19	
1.4	64QAM	1	5	20.27	20.27	20.25	21.5
1.4	64QAM	3	0	19.55	19.58	19.55	
1.4	64QAM	3	1	19.58	19.53	19.52	
1.4	64QAM	3	3	19.53	19.59	19.57	
1.4	64QAM	6	0	18.65	18.73	18.76	20.5



Band 40 (2.3G Band-2) (dBm) Part 27D-2 2350MHz ~ 2360MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			
Frequency (MHz)				2355			
10	QPSK	1	0	22.92			24
10	QPSK	1	25	22.84			
10	QPSK	1	49	22.86			
10	QPSK	25	0	21.52			23
10	QPSK	25	12	21.47			
10	QPSK	25	25	21.46			
10	QPSK	50	0	21.42			23
10	16QAM	1	0	21.19			
10	16QAM	1	25	21.16			
10	16QAM	1	49	21.18			22
10	16QAM	25	0	20.67			
10	16QAM	25	12	20.64			
10	16QAM	25	25	20.63			22
10	16QAM	50	0	20.72			
10	64QAM	1	0	20.09			
10	64QAM	1	25	20.06			22
10	64QAM	1	49	20.04			
10	64QAM	25	0	19.08			
10	64QAM	25	12	19.07			21
10	64QAM	25	25	19.02			
10	64QAM	50	0	19.03			
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	22.88	22.85	22.82	24
5	QPSK	1	12	22.77	22.74	22.78	
5	QPSK	1	24	22.81	22.80	22.76	
5	QPSK	12	0	21.46	21.44	21.42	23
5	QPSK	12	7	21.44	21.42	21.45	
5	QPSK	12	13	21.36	21.40	21.38	
5	QPSK	25	0	21.37	21.40	21.40	23
5	16QAM	1	0	21.16	21.16	21.12	
5	16QAM	1	12	21.10	21.12	21.13	
5	16QAM	1	24	21.17	21.08	21.11	22
5	16QAM	12	0	20.58	20.58	20.65	
5	16QAM	12	7	20.61	20.54	20.62	
5	16QAM	12	13	20.56	20.53	20.54	22
5	16QAM	25	0	20.64	20.65	20.66	
5	64QAM	1	0	20.08	20.10	20.11	
5	64QAM	1	12	20.03	20.09	20.02	22
5	64QAM	1	24	20.01	20.03	20.00	
5	64QAM	12	0	19.07	19.02	19.05	
5	64QAM	12	7	19.05	19.07	19.04	21
5	64QAM	12	13	19.05	18.98	19.02	
5	64QAM	25	0	18.97	19.03	19.05	



Band 41 (2535~2655MHz) (dBm)										
BW [MHz]	Modulation	RB Size	RB Offset	Low channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)	
Channel				40140	40390	40640	40890	41140		
Frequency (MHz)				2545	2570	2595	2620	2645		
20	QPSK	1	0	23.03	22.95	23.08	22.89	23.02	24	
20	QPSK	1	49	22.95	22.97	23.04	22.97	22.96		
20	QPSK	1	99	23.00	22.91	23.01	22.91	22.92		
20	QPSK	50	0	22.03	22.01	22.06	22.05	22.02	23	
20	QPSK	50	24	21.93	21.89	21.99	21.95	21.93		
20	QPSK	50	50	22.04	22.03	22.08	22.06	22.01		
20	QPSK	100	0	21.71	21.65	21.72	21.67	21.67	23	
20	16QAM	1	0	21.55	21.63	21.64	21.62	21.55		
20	16QAM	1	49	21.62	21.55	21.63	21.55	21.53		
20	16QAM	1	99	21.58	21.58	21.61	21.53	21.58	22	
20	16QAM	50	0	20.79	20.78	20.82	20.79	20.74		
20	16QAM	50	24	20.93	20.97	21.00	20.95	20.99		
20	16QAM	50	50	20.94	20.91	21.01	20.93	20.95	22	
20	16QAM	100	0	20.66	20.73	20.74	20.73	20.70		
20	64QAM	1	0	20.93	20.97	20.99	20.95	20.98		
20	64QAM	1	49	20.88	20.89	20.97	20.96	20.95	22	
20	64QAM	1	99	20.89	20.95	20.96	20.88	20.90		
20	64QAM	50	0	19.85	19.83	19.92	19.86	19.90		
20	64QAM	50	24	19.82	19.86	19.90	19.86	19.82	21	
20	64QAM	50	50	19.81	19.82	19.88	19.83	19.79		
20	64QAM	100	0	19.78	19.74	19.80	19.74	19.76		
Channel				40115	40378	40640	40903	41165		
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5		
15	QPSK	1	0	23.02	22.91	23.03	22.83	22.97	24	
15	QPSK	1	37	22.91	22.96	22.97	22.92	22.89		
15	QPSK	1	74	22.93	22.87	22.99	22.82	22.86		
15	QPSK	36	0	21.97	21.99	21.97	21.99	21.95	23	
15	QPSK	36	20	21.92	21.86	21.97	21.87	21.92		
15	QPSK	36	39	22.03	21.99	22.07	22.01	21.95		
15	QPSK	75	0	21.65	21.56	21.64	21.60	21.64	23	
15	16QAM	1	0	21.54	21.59	21.63	21.56	21.50		
15	16QAM	1	37	21.54	21.49	21.59	21.47	21.48		
15	16QAM	1	74	21.51	21.57	21.53	21.49	21.49	22	
15	16QAM	36	0	20.78	20.74	20.80	20.77	20.68		
15	16QAM	36	20	20.87	20.87	20.91	20.94	20.96		
15	16QAM	36	39	20.90	20.89	20.96	20.94	20.89	22	
15	16QAM	75	0	20.65	20.66	20.66	20.65	20.68		
15	64QAM	1	0	20.89	20.90	20.91	20.94	20.96		
15	64QAM	1	37	20.83	20.85	20.89	20.95	20.93	22	
15	64QAM	1	74	20.86	20.94	20.91	20.82	20.81		
15	64QAM	36	0	19.75	19.80	19.84	19.82	19.82		
15	64QAM	36	20	19.72	19.79	19.84	19.77	19.75	21	
15	64QAM	36	39	19.71	19.76	19.79	19.74	19.71		
15	64QAM	75	0	19.73	19.64	19.76	19.68	19.67		
Channel				40090	40365	40640	40915	41190		
Frequency (MHz)				2540	2567.5	2595	2622.5	2650		
10	QPSK	1	0	22.99	22.90	23.07	22.83	23.00	24	
10	QPSK	1	25	22.89	22.90	23.02	22.95	22.94		
10	QPSK	1	49	22.90	22.83	22.94	22.85	22.86		
10	QPSK	25	0	21.95	21.94	22.04	21.96	22.01	23	
10	QPSK	25	12	21.86	21.79	21.93	21.86	21.89		
10	QPSK	25	25	22.01	21.97	22.00	22.04	21.92		
10	QPSK	50	0	21.68	21.58	21.62	21.66	21.66	23	
10	16QAM	1	0	21.48	21.58	21.59	21.52	21.54		
10	16QAM	1	25	21.52	21.48	21.60	21.49	21.43		
10	16QAM	1	49	21.48	21.51	21.60	21.45	21.48	22	
10	16QAM	25	0	20.70	20.71	20.72	20.72	20.65		
10	16QAM	25	12	20.88	20.95	20.98	20.92	20.89		
10	16QAM	25	25	20.85	20.81	20.99	20.90	20.93	22	
10	16QAM	50	0	20.61	20.65	20.67	20.69	20.62		
10	64QAM	1	0	20.68	20.89	20.98	20.86	20.96		
10	64QAM	1	25	20.83	20.83	20.89	20.92	20.90	22	
10	64QAM	1	49	20.79	20.85	20.95	20.79	20.85		
10	64QAM	25	0	19.78	19.82	19.87	19.77	19.83		
10	64QAM	25	12	19.78	19.82	19.86	19.82	19.72	21	
10	64QAM	25	25	19.76	19.74	19.81	19.78	19.78		
10	64QAM	50	0	19.74	19.72	19.76	19.70	19.69		
Channel				40065	40353	40640	40928	41215		
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5		
5	QPSK	1	0	23.02	22.88	23.01	22.82	22.98	24	
5	QPSK	1	12	22.85	22.94	22.95	22.96	22.91		
5	QPSK	1	24	22.90	22.86	22.93	22.85	22.91		
5	QPSK	12	0	21.93	21.96	21.97	21.98	21.99	23	
5	QPSK	12	7	21.85	21.81	21.96	21.86	21.89		
5	QPSK	12	13	21.96	21.93	22.06	21.99	21.94		
5	QPSK	25	0	21.68	21.60	21.65	21.65	21.62	23	
5	16QAM	1	0	21.51	21.53	21.55	21.61	21.46		
5	16QAM	1	12	21.54	21.52	21.60	21.49	21.52		
5	16QAM	1	24	21.56	21.53	21.54	21.50	21.50	22	
5	16QAM	12	0	20.71	20.69	20.80	20.74	20.65		
5	16QAM	12	7	20.88	20.92	20.98	20.90	20.96		
5	16QAM	12	13	20.90	20.86	20.94	20.87	20.93	22	
5	16QAM	25	0	20.56	20.65	20.65	20.65	20.63		
5	64QAM	1	0	20.88	20.93	20.89	20.94	20.94		
5	64QAM	1	12	20.78	20.79	20.92	20.95	20.89	22	
5	64QAM	1	24	20.81	20.93	20.89	20.82	20.83		
5	64QAM	12	0	19.83	19.73	19.82	19.82	19.85		
5	64QAM	12	7	19.81	19.82	19.83	19.82	19.76	21	
5	64QAM	12	13	19.72	19.75	19.78	19.73	19.78		
5	64QAM	25	0	19.70	19.69	19.71	19.67	19.68		



2.4GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	3Mbps			
802.11b 1Mbps	CH 1	2412	18.54	20.50	15.00	99.29	
	CH 6	2437	18.15	20.00	15.00		
	CH 11	2462	18.54	20.50	15.00		
802.11g 6Mbps	CH 1	2412	16.72	18.50	14.00	95.89	
	CH 6	2437	16.81	18.50	14.00		
	CH 11	2462	16.74	18.50	14.00		
802.11n-HT20 MCS0	CH 1	2412	16.75	18.50	14.00	95.16	
	CH 6	2437	17.15	19.00	14.00		
	CH 11	2462	16.99	18.50	14.00		
802.11n-HT40 MCS0	CH 3	2422	16.25	18.00	13.00	90.77	
	CH 6	2437	15.99	17.50	13.00		
	CH 9	2452	14.94	16.50	13.00		

5GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	3Mbps			
802.11a 6Mbps	CH 36	5180	17.48	19.00	17.00	95.89	
	CH 44	5220	17.62	19.50	17.00		
	CH 48	5240	17.27	19.00	17.00		
802.11n-HT20 MCS0	CH 36	5180	17.65	19.50	17.00	95.16	
	CH 44	5220	17.83	19.50	17.00		
	CH 48	5240	17.52	19.50	17.00		
802.11n-HT40 MCS0	CH 36	5180	17.76	19.50	17.00	90.62	
	CH 46	5230	17.51	19.50	17.00		
	CH 36	5180	17.70	19.50	17.00		
802.11ac-VHT20 MCS0	CH 44	5220	17.84	19.50	17.00	95.24	
	CH 46	5230	17.51	19.50	17.00		
	CH 48	5240	17.51	19.50	17.00		
802.11ac-VHT40 MCS0	CH 36	5190	17.49	19.00	17.00	90.91	
	CH 46	5230	17.22	19.00	17.00		
	CH 42	5210	17.37	19.00	17.00		

5GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	3Mbps			
802.11a 6Mbps	CH 52	5260	17.41	19.00	17.00	95.89	
	CH 60	5300	16.88	18.50	17.00		
	CH 64	5320	16.53	18.50	17.00		
802.11n-HT20 MCS0	CH 52	5260	17.66	19.50	17.00	95.16	
	CH 60	5300	17.33	19.00	17.00		
	CH 64	5320	16.72	18.50	17.00		
802.11n-HT40 MCS0	CH 54	5270	17.44	19.00	17.00	90.62	
	CH 62	5310	16.81	18.50	17.00		
	CH 52	5260	17.63	19.50	17.00		
802.11ac-VHT20 MCS0	CH 60	5300	17.31	19.00	17.00	95.24	
	CH 64	5320	16.58	18.50	17.00		
	CH 54	5270	17.15	19.00	17.00		
802.11ac-VHT40 MCS0	CH 62	5310	16.56	18.50	17.00	90.91	
	CH 58	5290	17.04	19.00	17.00		
	CH 58	5290	17.04	19.00	17.00		

5GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	3Mbps			
802.11a 6Mbps	CH 100	5500	17.37	19.00	17.00	95.89	
	CH 120	5600	17.94	19.50	17.00		
	CH 140	5700	17.68	19.00	17.00		
802.11n-HT20 MCS0	CH 100	5500	17.54	19.50	17.00	95.16	
	CH 120	5600	18.14	20.00	17.00		
	CH 140	5700	17.90	19.50	17.00		
802.11n-HT40 MCS0	CH 102	5510	17.71	19.50	17.00	90.62	
	CH 126	5630	17.74	19.50	17.00		
	CH 134	5670	17.71	19.50	17.00		
802.11ac-VHT20 MCS0	CH 100	5500	17.62	19.50	17.00	95.24	
	CH 120	5600	18.20	20.00	17.00		
	CH 140	5700	17.93	19.50	17.00		
802.11ac-VHT40 MCS0	CH 102	5510	17.46	19.00	17.00	90.91	
	CH 126	5630	17.46	19.00	17.00		
	CH 134	5670	17.46	19.00	17.00		
802.11ac-VHT80 MCS0	CH 106	5530	17.45	19.00	17.00	83.10	
	CH 122	5610	17.68	19.50	17.00		
	CH 138	5690	17.68	19.50	17.00		

5GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)		Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	3Mbps			
802.11a 6Mbps	CH 149	5745	17.51	19.50	17.00	95.89	
	CH 157	5785	17.20	19.00	17.00		
	CH 165	5825	16.88	18.50	17.00		
802.11n-HT20 MCS0	CH 149	5745	17.73	19.00	17.00	95.16	
	CH 157	5785	17.42	19.00	17.00		
	CH 165	5825	16.89	18.50	17.00		
802.11n-HT40 MCS0	CH 151	5795	17.52	19.50	17.00	90.62	
	CH 159	5795	17.02	19.00	17.00		
	CH 149	5745	17.73	19.50	17.00		
802.11ac-VHT20 MCS0	CH 149	5745	17.73	19.50	17.00	95.24	
	CH 157	5785	17.41	19.00	17.00		
	CH 165	5825	16.92	18.50	17.00		
802.11ac-VHT40 MCS0	CH 151	5795	17.28	19.00	17.00	90.91	
	CH 159	5795	16.90	18.50	17.00		
	CH 155	5775	17.33	19.00	17.00		

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	3Mbps	5Mbps
BR / EDR	CH 00	2402	8.35	7.09	7.23
	CH 39	2441	8.34	6.86	7.00
	CH 76	2480	7.57	6.76	6.48
Tune-up Limit			10	9	9
Duty Cycle %			77.6	77.73	77.71

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	3Mbps
LE	CH 00	2402	-1.62	-1.81
	CH 19	2440	-3.81	-3.26
	CH 39	2480	-4.42	-4.17
Tune-up Limit			0.5	0.5
Duty Cycle %			31.8	32.8



Reduced Power Level 1 for ANT 2

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	22.49	22.78	22.77	23.50	13.49	13.78	13.77	14.50
GPRS 1 Tx slot	22.53	22.82	22.79	23.50	13.53	13.82	13.79	14.50
GPRS 2 Tx slots	20.45	20.56	20.51	21.50	14.45	14.56	14.51	15.50
GPRS 3 Tx slots	18.97	19.04	18.99	20.50	14.71	14.78	14.73	16.24
GPRS 4 Tx slots	17.07	17.09	17.15	18.50	14.07	14.09	14.15	15.50
EDGE 1 Tx slot	21.82	21.55	21.56	22.00	12.82	12.55	12.56	13.00
EDGE 2 Tx slots	21.66	21.51	21.21	22.00	15.66	15.51	15.21	16.00
EDGE 3 Tx slots	18.32	17.84	17.93	18.50	14.06	13.58	13.67	14.24
EDGE 4 Tx slots	16.65	16.58	16.23	16.80	13.65	13.58	13.23	13.80
Mode		Max.	22.82			Max.	15.66	
Attenuator	Cable Loss : 0.8							

Band TX Channel	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	RMC 12.2Kbps	15.59	15.66	15.60	16.50	17.55	17.59	17.54	18.50
3GPP Rel 6	HSDPA Subtest-1	14.52	14.60	14.52	15.50	16.60	16.60	16.76	17.50
3GPP Rel 6	HSDPA Subtest-2	14.41	14.52	14.50	15.50	16.61	16.64	16.73	17.50
3GPP Rel 6	HSDPA Subtest-3	14.41	14.43	14.42	15.50	16.53	16.59	16.68	17.50
3GPP Rel 6	HSDPA Subtest-4	14.41	14.43	14.42	15.50	16.54	16.60	16.69	17.50
3GPP Rel 8	DC-HSDPA Subtest-1	14.61	14.67	14.58	15.50	16.64	16.71	16.59	17.50
3GPP Rel 8	DC-HSDPA Subtest-2	14.65	14.64	14.56	15.50	16.68	16.77	16.64	17.50
3GPP Rel 8	DC-HSDPA Subtest-3	14.60	14.64	14.54	15.50	16.69	16.75	16.64	17.50
3GPP Rel 8	DC-HSDPA Subtest-4	14.62	14.66	14.55	15.50	16.71	16.77	16.66	17.50
3GPP Rel 6	HSUPA Subtest-1	13.98	13.75	14.04	15.50	16.18	16.43	16.42	17.50
3GPP Rel 6	HSUPA Subtest-2	13.57	13.49	13.64	14.50	15.67	15.88	15.81	16.50
3GPP Rel 6	HSUPA Subtest-3	13.55	13.66	13.59	14.50	16.17	16.39	16.35	16.50
3GPP Rel 6	HSUPA Subtest-4	14.26	14.34	14.25	15.50	16.22	16.03	16.38	17.50
3GPP Rel 6	HSUPA Subtest-5	15.36	15.55	15.47	16.50	17.10	17.34	17.24	18.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	15.38	15.18	15.24	16.50	17.39	17.53	17.47	18.50
Attenuator		Cable Loss	0.8			Cable Loss	0.8		
Mode		Max.	15.66			Max.	17.59		



Channel	Frequency (MHz)	18607	18900	19193	Tune-up limit (dBm)		
3	QPSK	15	0	13.40	13.44	13.40	14.5
3	16QAM	1	0	13.40	13.46	13.34	
3	16QAM	1	8	13.40	13.42	13.35	
3	16QAM	1	14	13.25	13.39	13.37	13.5
3	16QAM	8	0	12.33	12.44	12.35	
3	16QAM	8	4	12.31	12.39	12.40	
3	16QAM	8	7	12.31	12.36	12.29	13.5
3	16QAM	15	0	12.50	12.46	12.45	
3	64QAM	1	0	11.82	11.87	11.87	
3	64QAM	1	8	11.85	11.85	11.84	12.5
3	64QAM	1	14	11.78	11.89	11.83	
3	64QAM	8	0	10.64	10.75	10.68	
3	64QAM	8	4	10.57	10.66	10.58	12.5
3	64QAM	8	7	10.68	10.68	10.62	
3	64QAM	15	0	10.62	10.63	10.60	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	14.51	14.53	14.47	15.5
1.4	QPSK	1	3	14.40	14.47	14.46	
1.4	QPSK	1	5	14.46	14.52	14.43	
1.4	QPSK	3	0	14.50	14.44	14.55	
1.4	QPSK	3	1	14.36	14.46	14.40	
1.4	QPSK	3	3	14.29	14.38	14.31	
1.4	QPSK	6	0	13.40	13.48	13.41	14.5
1.4	16QAM	1	0	13.43	13.44	13.42	14.5
1.4	16QAM	1	3	13.35	13.39	13.30	
1.4	16QAM	1	5	13.28	13.42	13.34	
1.4	16QAM	3	0	13.35	13.39	13.34	
1.4	16QAM	3	1	13.31	13.39	13.37	
1.4	16QAM	3	3	13.30	13.39	13.26	
1.4	16QAM	6	0	12.50	12.44	12.49	13.5
1.4	64QAM	1	0	11.84	11.92	11.87	13.5
1.4	64QAM	1	3	11.79	11.87	11.86	
1.4	64QAM	1	5	11.75	11.88	11.92	
1.4	64QAM	3	0	11.63	11.74	11.61	
1.4	64QAM	3	1	11.59	11.72	11.63	
1.4	64QAM	3	3	11.67	11.64	11.64	
1.4	64QAM	6	0	10.61	10.60	10.62	12.5

Channel	Frequency (MHz)	19957	20175	20393	Tune-up limit (dBm)		
3	QPSK	15	0	16.81	16.82	16.78	18
3	16QAM	1	0	17.49	17.55	17.54	
3	16QAM	1	8	17.57	17.55	17.45	
3	16QAM	1	14	17.43	17.56	17.48	17
3	16QAM	8	0	15.36	15.43	15.42	
3	16QAM	8	4	15.29	15.38	15.32	
3	16QAM	8	7	15.34	15.40	15.32	17
3	16QAM	15	0	15.72	15.79	15.82	
3	64QAM	1	0	15.40	15.51	15.34	
3	64QAM	1	8	15.43	15.47	15.42	16
3	64QAM	1	14	15.31	15.39	15.37	
3	64QAM	8	0	14.38	14.31	14.32	
3	64QAM	8	4	14.31	14.34	14.22	16
3	64QAM	8	7	14.24	14.33	14.23	
3	64QAM	15	0	14.32	14.31	14.31	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	17.86	17.96	17.84	19
1.4	QPSK	1	3	17.80	17.83	17.80	
1.4	QPSK	1	5	17.75	17.89	17.79	
1.4	QPSK	3	0	17.86	17.94	17.88	
1.4	QPSK	3	1	17.74	17.85	17.79	
1.4	QPSK	3	3	17.72	17.79	17.82	
1.4	QPSK	6	0	16.79	16.87	16.73	18
1.4	16QAM	1	0	17.43	17.51	17.49	18
1.4	16QAM	1	3	17.50	17.51	17.45	
1.4	16QAM	1	5	17.42	17.48	17.47	
1.4	16QAM	3	0	16.35	16.38	16.40	
1.4	16QAM	3	1	16.35	16.40	16.33	
1.4	16QAM	3	3	16.34	16.32	16.29	
1.4	16QAM	6	0	15.68	15.87	15.80	17
1.4	64QAM	1	0	15.46	15.48	15.38	17
1.4	64QAM	1	3	15.38	15.46	15.44	
1.4	64QAM	1	5	15.32	15.38	15.37	
1.4	64QAM	3	0	15.31	15.37	15.31	
1.4	64QAM	3	1	15.33	15.29	15.24	
1.4	64QAM	3	3	15.32	15.34	15.21	
1.4	64QAM	6	0	14.33	14.31	14.29	16



3	QPSK	15	0	16.82	16.86	16.86	
3	16QAM	1	0	17.48	17.59	17.49	18.5
3	16QAM	1	8	17.51	17.56	17.47	
3	16QAM	1	14	17.40	17.55	17.38	17.5
3	16QAM	8	0	15.39	15.46	15.35	
3	16QAM	8	4	15.50	15.52	15.46	
3	16QAM	8	7	15.41	15.43	15.33	
3	16QAM	15	0	15.49	15.51	15.51	17.5
3	64QAM	1	0	15.66	15.72	15.66	
3	64QAM	1	8	15.62	15.74	15.66	
3	64QAM	1	14	15.69	15.70	15.65	
3	64QAM	8	0	14.13	14.15	14.18	16.5
3	64QAM	8	4	14.08	14.06	14.10	
3	64QAM	8	7	14.10	14.10	14.08	
3	64QAM	15	0	14.11	14.24	14.20	
Channel				131979	132922	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.20	18.20	18.18	19.5
1.4	QPSK	1	3	18.06	18.17	18.13	
1.4	QPSK	1	5	18.07	18.18	18.05	
1.4	QPSK	3	0	17.76	17.88	17.76	
1.4	QPSK	3	1	17.85	17.85	17.74	
1.4	QPSK	3	3	17.83	17.86	17.81	
1.4	QPSK	6	0	16.84	16.89	16.79	18.5
1.4	16QAM	1	0	17.44	17.53	17.43	18.5
1.4	16QAM	1	3	17.49	17.54	17.47	
1.4	16QAM	1	5	17.47	17.54	17.47	
1.4	16QAM	3	0	16.28	16.35	16.29	
1.4	16QAM	3	1	16.38	16.35	16.32	
1.4	16QAM	3	3	16.35	16.30	16.20	
1.4	16QAM	6	0	15.43	15.58	15.50	17.5
1.4	64QAM	1	0	15.71	15.79	15.71	17.5
1.4	64QAM	1	3	15.67	15.77	15.65	
1.4	64QAM	1	5	15.73	15.73	15.71	
1.4	64QAM	3	0	15.01	15.04	15.01	
1.4	64QAM	3	1	15.04	14.99	14.98	
1.4	64QAM	3	3	14.99	15.05	15.03	
1.4	64QAM	6	0	14.11	14.19	14.22	16.5



Band 38(only on channel required) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	21.58	21.60	21.51	
20	QPSK	1	49	21.55	21.56	21.53	22.5
20	QPSK	1	99	21.47	21.55	21.47	
20	QPSK	50	0	20.16	20.34	20.21	
20	QPSK	50	24	20.10	20.12	20.10	21.5
20	QPSK	50	50	20.07	20.09	20.06	
20	QPSK	100	0	19.88	19.92	19.91	
20	16QAM	1	0	19.69	19.78	19.69	21.5
20	16QAM	1	49	19.66	19.76	19.71	
20	16QAM	1	99	19.71	19.74	19.67	
20	16QAM	50	0	19.10	19.20	19.11	20.5
20	16QAM	50	24	19.07	19.17	19.08	
20	16QAM	50	50	19.10	19.16	19.15	
20	16QAM	100	0	18.80	18.88	18.82	20.5
20	64QAM	1	0	18.52	18.59	18.51	
20	64QAM	1	49	18.50	18.56	18.52	
20	64QAM	1	99	18.51	18.55	18.55	19.5
20	64QAM	50	0	17.76	17.83	17.81	
20	64QAM	50	24	17.75	17.82	17.80	
20	64QAM	50	50	17.74	17.80	17.72	19.5
20	64QAM	100	0	17.70	17.71	17.61	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	21.54	21.57	21.46	
15	QPSK	1	37	21.46	21.55	21.52	22.5
15	QPSK	1	74	21.44	21.47	21.39	
15	QPSK	36	0	20.14	20.18	20.17	
15	QPSK	36	20	20.05	20.08	20.02	21.5
15	QPSK	36	39	20.03	20.05	20.00	
15	QPSK	75	0	19.80	19.87	19.88	
15	16QAM	1	0	19.61	19.75	19.65	21.5
15	16QAM	1	37	19.57	19.71	19.69	
15	16QAM	1	74	19.68	19.68	19.65	
15	16QAM	36	0	19.05	19.12	19.04	20.5
15	16QAM	36	20	18.97	19.09	18.98	
15	16QAM	36	39	19.01	19.08	19.08	
15	16QAM	75	0	18.78	18.85	18.76	20.5
15	64QAM	1	0	18.51	18.57	18.54	
15	64QAM	1	37	18.50	18.53	18.51	
15	64QAM	1	74	18.53	18.54	18.58	19.5
15	64QAM	36	0	17.74	17.78	17.72	
15	64QAM	36	20	17.72	17.78	17.78	
15	64QAM	36	39	17.72	17.79	17.82	19.5
15	64QAM	75	0	17.63	17.63	17.51	
Channel				37900	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	21.48	21.59	21.50	
10	QPSK	1	25	21.53	21.49	21.44	22.5
10	QPSK	1	49	21.42	21.45	21.41	
10	QPSK	25	0	20.10	20.18	20.18	
10	QPSK	25	12	20.06	20.03	20.06	21.5
10	QPSK	25	25	20.06	20.06	19.96	
10	QPSK	50	0	19.87	19.86	19.87	
10	16QAM	1	0	19.61	19.72	19.67	21.5
10	16QAM	1	25	19.61	19.68	19.64	
10	16QAM	1	49	19.67	19.72	19.66	
10	16QAM	25	0	19.09	19.15	19.06	20.5
10	16QAM	25	12	18.97	19.07	19.07	
10	16QAM	25	25	19.06	19.11	19.10	
10	16QAM	50	0	18.79	18.87	18.78	20.5
10	64QAM	1	0	18.52	18.54	18.51	
10	64QAM	1	25	18.51	18.50	18.59	
10	64QAM	1	49	18.52	18.53	18.58	19.5
10	64QAM	25	0	17.69	17.77	17.78	
10	64QAM	25	12	17.74	17.76	17.73	
10	64QAM	25	25	17.71	17.79	17.71	19.5
10	64QAM	50	0	17.68	17.62	17.51	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.48	21.53	21.46	
5	QPSK	1	12	21.48	21.47	21.51	22.5
5	QPSK	1	24	21.45	21.54	21.39	
5	QPSK	12	0	20.06	20.21	20.12	
5	QPSK	12	7	20.09	20.05	20.07	21.5
5	QPSK	12	13	20.00	20.02	20.05	
5	QPSK	25	0	19.84	19.89	19.84	
5	16QAM	1	0	19.61	19.70	19.68	21.5
5	16QAM	1	12	19.59	19.67	19.62	
5	16QAM	1	24	19.66	19.64	19.64	
5	16QAM	12	0	19.08	19.19	19.08	20.5
5	16QAM	12	7	19.05	19.15	19.07	
5	16QAM	12	13	19.02	19.13	19.13	
5	16QAM	25	0	18.72	18.86	18.73	20.5
5	64QAM	1	0	18.56	18.50	18.51	
5	64QAM	1	12	18.51	18.51	18.51	
5	64QAM	1	24	18.51	18.52	18.50	19.5
5	64QAM	12	0	17.70	17.82	17.78	
5	64QAM	12	7	17.67	17.76	17.71	
5	64QAM	12	13	17.69	17.76	17.71	19.5
5	64QAM	25	0	17.63	17.68	17.54	

Band 40 (2.3G Band-1) (dBm) Part 27D-1 2305MHz ~ 2315MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			
Frequency (MHz)				2310			
10	QPSK	1	0	19.94			
10	QPSK	1	25	19.84			21
10	QPSK	1	49	19.86			
10	QPSK	25	0	18.52			
10	QPSK	25	12	18.47			20
10	QPSK	25	25	18.46			
10	QPSK	50	0	18.42			
10	16QAM	1	0	18.19			20
10	16QAM	1	25	18.16			
10	16QAM	1	49	18.18			
10	16QAM	25	0	17.67			19
10	16QAM	25	12	17.64			
10	16QAM	25	25	17.63			
10	16QAM	50	0	17.72			19
10	64QAM	1	0	17.09			
10	64QAM	1	25	17.06			
10	64QAM	1	49	17.04			18
10	64QAM	25	0	16.08			
10	64QAM	25	12	16.07			
10	64QAM	25	25	16.02			18
10	64QAM	50	0	16.03			
Channel				38725	38750	38775	
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.85	19.88	19.93	
5	QPSK	1	12	19.75	19.81	19.80	21
5	QPSK	1	24	19.79	19.79	19.76	
5	QPSK	12	0	18.49	18.50	18.44	
5	QPSK	12	7	18.42	18.41	18.41	20
5	QPSK	12	13	18.42	18.36	18.43	
5	QPSK	25	0	18.33	18.41	18.34	
5	16QAM	1	0	18.09	18.10	18.11	20
5	16QAM	1	12	18.11	18.11	18.08	
5	16QAM	1	24	18.16	18.17	18.11	
5	16QAM	12	0	17.57	17.60	17.65	19
5	16QAM	12	7	17.54	17.63	17.59	
5	16QAM	12	13	17.54	17.53	17.53	
5	16QAM	25	0	17.70	17.68	17.66	19
5	64QAM	1	0	17.05	17.06	17.10	
5	64QAM	1	12	17.05	17.09	17.02	
5	64QAM	1	24	17.04	17.00	16.99	18
5	64QAM	12	0	16.05	16.11	16.08	
5	64QAM	12	7	16.02	16.07	16.08	
5	64QAM	12	13	15.98	15.97	15.98	18
5	64QAM	25	0	16.01	16.04	16.02	



Band 40 (2.3G Band-2) (dBm)							
Part 27D-2 2350MHz ~ 2360MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			
Frequency (MHz)				2355			
10	QPSK	1	0	19.90			21
10	QPSK	1	25	19.86			
10	QPSK	1	49	19.88			
10	QPSK	25	0	18.54			20
10	QPSK	25	12	18.49			
10	QPSK	25	25	18.48			
10	QPSK	50	0	18.44			20
10	16QAM	1	0	18.21			
10	16QAM	1	25	18.18			
10	16QAM	1	49	18.20			19
10	16QAM	25	0	17.69			
10	16QAM	25	12	17.66			
10	16QAM	25	25	17.65			19
10	16QAM	50	0	17.74			
10	64QAM	1	0	17.11			
10	64QAM	1	25	17.08			19
10	64QAM	1	49	17.06			
10	64QAM	25	0	16.10			
10	64QAM	25	12	16.09			18
10	64QAM	25	25	16.04			
10	64QAM	50	0	16.05			
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	19.90	19.87	19.84	21
5	QPSK	1	12	19.79	19.76	19.80	
5	QPSK	1	24	19.83	19.82	19.78	
5	QPSK	12	0	18.48	18.46	18.44	20
5	QPSK	12	7	18.46	18.44	18.47	
5	QPSK	12	13	18.38	18.42	18.40	
5	QPSK	25	0	18.39	18.42	18.42	20
5	16QAM	1	0	18.18	18.18	18.14	
5	16QAM	1	12	18.12	18.14	18.15	
5	16QAM	1	24	18.19	18.10	18.13	19
5	16QAM	12	0	17.60	17.60	17.67	
5	16QAM	12	7	17.63	17.56	17.64	
5	16QAM	12	13	17.58	17.55	17.56	19
5	16QAM	25	0	17.66	17.67	17.68	
5	64QAM	1	0	17.10	17.12	17.13	
5	64QAM	1	12	17.05	17.11	17.04	19
5	64QAM	1	24	17.03	17.05	17.02	
5	64QAM	12	0	16.09	16.04	16.07	
5	64QAM	12	7	16.07	16.09	16.06	18
5	64QAM	12	13	16.07	16.00	16.04	
5	64QAM	25	0	15.99	16.05	16.07	



Band 41 (2535~2655MHz) (dBm)									
BW (MHz)	Modulation	RB Size	RB Offset	Low channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)
Channel				40140	40390	40640	40890	41140	
Frequency (MHz)				2545	2570	2595	2620	2645	
20	QPSK	1	0	21.00	20.92	21.05	20.86	20.99	22
20	QPSK	1	49	20.92	20.94	21.01	20.94	20.93	
20	QPSK	1	99	20.97	20.88	20.98	20.88	20.89	
20	QPSK	50	0	20.00	19.98	20.03	20.02	19.99	21
20	QPSK	50	24	19.90	19.86	19.96	19.92	19.90	
20	QPSK	50	50	20.01	20.00	20.05	20.03	19.98	
20	QPSK	100	0	19.68	19.62	19.69	19.64	19.64	21
20	16QAM	1	0	19.52	19.60	19.61	19.59	19.52	
20	16QAM	1	49	19.59	19.52	19.60	19.52	19.50	
20	16QAM	1	99	19.55	19.55	19.58	19.50	19.55	20
20	16QAM	50	0	18.76	18.75	18.79	18.76	18.71	
20	16QAM	50	24	18.90	18.94	18.97	18.92	18.96	
20	16QAM	50	50	18.91	18.88	18.98	18.90	18.92	20
20	16QAM	100	0	18.63	18.70	18.71	18.70	18.67	
20	84QAM	1	0	18.90	18.94	18.96	18.92	18.95	
20	84QAM	1	49	18.85	18.86	18.94	18.93	18.92	20
20	84QAM	1	99	18.86	18.92	18.93	18.85	18.87	
20	84QAM	50	0	17.82	17.80	17.89	17.83	17.87	
20	84QAM	50	24	17.79	17.83	17.87	17.83	17.79	19
20	84QAM	50	50	17.78	17.79	17.85	17.80	17.76	
20	84QAM	100	0	17.75	17.71	17.77	17.71	17.73	
Channel				40115	40378	40640	40903	41165	
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5	
15	QPSK	1	0	20.99	20.88	21.00	20.80	20.94	22
15	QPSK	1	37	20.88	20.93	20.94	20.89	20.86	
15	QPSK	1	74	20.90	20.84	20.96	20.79	20.83	
15	QPSK	36	0	19.94	19.96	19.94	19.96	19.92	21
15	QPSK	36	20	19.89	19.83	19.94	19.84	19.89	
15	QPSK	36	39	20.00	19.96	20.04	19.98	19.92	
15	QPSK	75	0	19.62	19.53	19.61	19.57	19.61	21
15	16QAM	1	0	19.51	19.56	19.60	19.53	19.47	
15	16QAM	1	37	19.51	19.46	19.56	19.44	19.45	
15	16QAM	1	74	19.48	19.54	19.50	19.46	19.46	20
15	16QAM	36	0	18.75	18.71	18.77	18.74	18.65	
15	16QAM	36	20	18.84	18.84	18.88	18.91	18.93	
15	16QAM	36	39	18.87	18.86	18.93	18.81	18.86	20
15	16QAM	75	0	18.62	18.63	18.63	18.62	18.65	
15	84QAM	1	0	18.86	18.87	18.88	18.91	18.93	
15	84QAM	1	37	18.80	18.82	18.86	18.92	18.90	20
15	84QAM	1	74	18.83	18.91	18.88	18.79	18.78	
15	84QAM	36	0	17.72	17.77	17.81	17.79	17.79	
15	84QAM	36	20	17.69	17.76	17.81	17.74	17.72	19
15	84QAM	36	39	17.68	17.73	17.76	17.71	17.68	
15	84QAM	75	0	17.70	17.61	17.73	17.65	17.64	
Channel				40990	40935	40840	40915	41190	
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	
10	QPSK	1	0	20.96	20.87	21.04	20.80	20.97	22
10	QPSK	1	25	20.86	20.87	20.99	20.92	20.91	
10	QPSK	1	49	20.87	20.80	20.91	20.82	20.83	
10	QPSK	25	0	19.92	19.91	20.01	19.93	19.98	21
10	QPSK	25	12	19.83	19.76	19.90	19.83	19.86	
10	QPSK	25	25	19.98	19.94	19.97	20.01	19.89	
10	QPSK	50	0	19.63	19.55	19.59	19.63	19.63	21
10	16QAM	1	0	19.45	19.55	19.56	19.49	19.51	
10	16QAM	1	25	19.49	19.45	19.57	19.46	19.40	
10	16QAM	1	49	19.45	19.48	19.57	19.42	19.45	20
10	16QAM	25	0	18.67	18.68	18.69	18.69	18.62	
10	16QAM	25	12	18.85	18.92	18.95	18.89	18.86	
10	16QAM	25	25	18.82	18.78	18.96	18.87	18.90	20
10	16QAM	50	0	18.58	18.62	18.64	18.66	18.59	
10	84QAM	1	0	18.85	18.86	18.95	18.83	18.93	
10	84QAM	1	25	18.80	18.80	18.86	18.89	18.87	20
10	84QAM	1	49	18.76	18.82	18.92	18.76	18.82	
10	84QAM	25	0	17.75	17.79	17.84	17.74	17.80	
10	84QAM	25	12	17.75	17.79	17.83	17.79	17.69	19
10	84QAM	25	25	17.73	17.71	17.78	17.75	17.75	
10	84QAM	50	0	17.71	17.69	17.73	17.67	17.66	
Channel				40065	40353	40640	40928	41215	
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5	
5	QPSK	1	0	20.99	20.85	20.98	20.79	20.95	22
5	QPSK	1	12	20.82	20.91	20.92	20.93	20.88	
5	QPSK	1	24	20.87	20.83	20.90	20.82	20.88	
5	QPSK	12	0	19.90	19.93	19.94	19.95	19.96	21
5	QPSK	12	7	19.82	19.78	19.93	19.83	19.86	
5	QPSK	12	13	19.93	19.90	20.03	19.96	19.91	
5	QPSK	25	0	19.65	19.57	19.62	19.62	19.59	21
5	16QAM	1	0	19.48	19.50	19.52	19.55	19.43	
5	16QAM	1	12	19.51	19.49	19.57	19.46	19.49	
5	16QAM	1	24	19.53	19.50	19.51	19.47	19.47	20
5	16QAM	12	0	18.68	18.66	18.77	18.71	18.62	
5	16QAM	12	7	18.85	18.89	18.95	18.87	18.93	
5	16QAM	12	13	18.87	18.83	18.91	18.84	18.90	20
5	16QAM	25	0	18.53	18.62	18.62	18.62	18.60	
5	84QAM	1	0	18.96	18.90	18.96	18.91	18.91	
5	84QAM	1	12	18.75	18.76	18.89	18.92	18.86	20
5	84QAM	1	24	18.78	18.90	18.86	18.79	18.80	
5	84QAM	12	0	17.80	17.70	17.79	17.79	17.82	
5	84QAM	12	7	17.78	17.79	17.80	17.79	17.73	19
5	84QAM	12	13	17.69	17.72	17.75	17.70	17.75	
5	84QAM	25	0	17.67	17.66	17.68	17.64	17.65	



Reduced Power Level 2 for ANT 0

2.4GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	16.08	18.00	12.00	99.29
	CH 6	2437	15.67	17.50	12.00	
	CH 11	2462	16.08	18.00	12.00	
802.11g 6Mbps	CH 1	2412	14.24	16.00	11.00	95.89
	CH 6	2437	14.33	16.00	11.00	
	CH 11	2462	14.26	16.00	11.00	
802.11n-HT20 MCS0	CH 1	2412	14.27	16.00	11.00	95.16
	CH 6	2437	14.67	16.50	11.00	
	CH 11	2462	14.51	16.00	11.00	
802.11n-HT40 MCS0	CH 3	2422	13.77	15.50	10.00	90.77
	CH 6	2437	13.51	15.00	10.00	
	CH 9	2452	15.46	17.00	13.00	

5GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	13.99	15.50	13.00	95.89
	CH 44	5220	14.13	16.00	13.00	
	CH 48	5240	13.78	15.50	13.00	
802.11n-HT20 MCS0	CH 36	5180	14.16	16.00	13.00	95.16
	CH 44	5220	14.34	16.00	13.00	
	CH 48	5240	14.03	16.00	13.00	
802.11n-HT40 MCS0	CH 38	5190	14.27	16.00	13.00	90.62
	CH 46	5230	14.02	16.00	13.00	
	CH 36	5180	14.21	16.00	13.00	
802.11ac-VHT20 MCS0	CH 44	5220	14.36	16.00	13.00	95.24
	CH 48	5240	14.02	16.00	13.00	
	CH 38	5190	14.00	15.50	13.00	
802.11ac-VHT40 MCS0	CH 46	5230	13.73	15.50	13.00	90.91
	CH 42	5210	13.68	15.50	13.00	
	CH 42	5210	13.68	15.50	13.00	

5GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	14.96	16.50	14.00	95.89
	CH 60	5300	14.43	16.00	14.00	
	CH 64	5320	14.08	16.00	14.00	
802.11n-HT20 MCS0	CH 52	5260	16.21	17.00	14.00	95.16
	CH 60	5300	14.88	16.50	14.00	
	CH 64	5320	14.27	16.00	14.00	
802.11n-HT40 MCS0	CH 54	5270	14.99	16.50	14.00	90.62
	CH 62	5310	14.36	16.00	14.00	
	CH 52	5260	15.18	17.00	14.00	
802.11ac-VHT20 MCS0	CH 60	5300	14.86	16.50	14.00	95.24
	CH 64	5320	14.13	16.00	14.00	
	CH 54	5270	14.70	16.50	14.00	
802.11ac-VHT40 MCS0	CH 62	5310	14.11	16.00	14.00	90.91
	CH 58	5290	14.59	16.50	14.00	
	CH 58	5290	14.59	16.50	14.00	

5GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	10.87	12.50	10.00	95.89
	CH 120	5600	11.44	13.00	10.00	
	CH 140	5700	11.18	12.50	10.00	
802.11n-HT20 MCS0	CH 100	5500	11.04	13.00	10.00	95.16
	CH 120	5600	11.64	13.50	10.00	
	CH 140	5700	11.40	13.00	10.00	
802.11n-HT40 MCS0	CH 102	5510	11.21	13.00	10.00	90.62
	CH 126	5630	11.24	13.00	10.00	
	CH 134	5670	11.21	13.00	10.00	
802.11ac-VHT20 MCS0	CH 100	5500	11.12	13.00	10.00	95.24
	CH 120	5600	11.79	13.50	10.00	
	CH 140	5700	11.43	13.00	10.00	
802.11ac-VHT40 MCS0	CH 102	5510	10.96	12.50	10.00	90.91
	CH 126	5630	10.96	12.50	10.00	
	CH 134	5670	10.96	12.50	10.00	
802.11ac-VHT80 MCS0	CH 106	5530	10.95	12.50	10.00	83.10
	CH 122	5610	11.18	13.00	10.00	
	CH 138	5690	11.16	13.00	10.00	

5GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 149	5745	13.07	15.00	12.00	95.89
	CH 157	5785	12.76	14.50	12.00	
	CH 165	5825	12.24	14.00	12.00	
802.11n-HT20 MCS0	CH 149	5745	13.29	14.50	12.00	95.16
	CH 157	5785	12.98	14.50	12.00	
	CH 165	5825	12.45	14.00	12.00	
802.11n-HT40 MCS0	CH 151	5755	13.08	15.00	12.00	90.62
	CH 159	5795	12.58	14.50	12.00	
	CH 149	5745	13.29	15.00	12.00	
802.11ac-VHT20 MCS0	CH 157	5785	12.97	14.50	12.00	95.24
	CH 165	5825	12.48	14.00	12.00	
	CH 151	5755	12.84	14.50	12.00	
802.11ac-VHT40 MCS0	CH 159	5795	12.36	14.00	12.00	90.91
	CH 155	5775	12.89	14.50	12.00	
	CH 155	5775	12.89	14.50	12.00	



Reduced Power Level 3 for ANT 2

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	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.02	29.31	29.30	30.00	20.02	20.31	20.30	21.00
GPRS 1 Tx slot	29.06	29.35	29.32	30.00	20.06	20.35	20.32	21.00
GPRS 2 Tx slots	26.98	27.09	27.04	28.00	20.98	21.09	21.04	22.00
GPRS 3 Tx slots	25.50	25.57	25.52	27.00	21.24	21.31	21.26	22.74
GPRS 4 Tx slots	23.60	23.62	23.68	25.00	20.60	20.62	20.68	22.00
EDGE 1 Tx slot	28.32	28.05	28.06	28.50	19.32	19.05	19.06	19.50
EDGE 2 Tx slots	28.16	28.01	27.71	28.50	22.16	22.01	21.71	22.50
EDGE 3 Tx slots	24.82	24.34	24.43	25.00	20.56	20.08	20.17	20.74
EDGE 4 Tx slots	23.15	23.08	22.73	23.30	20.15	20.08	19.73	20.30
Mode		Max.	29.35			Max.	22.16	
Attenuator	Cable Loss : 0.8							

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
TX Channel	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 RMC 12.2Kbps	19.58	19.65	19.59	20.50	20.56	20.60	20.55	21.50
3GPP Rel 6 HSDPA Subtest-1	18.49	18.57	18.49	19.50	19.57	19.57	19.73	20.50
3GPP Rel 6 HSDPA Subtest-2	18.38	18.49	18.47	19.50	19.58	19.61	19.70	20.50
3GPP Rel 6 HSDPA Subtest-3	18.38	18.40	18.39	19.50	19.50	19.56	19.65	20.50
3GPP Rel 6 HSDPA Subtest-4	18.38	18.40	18.39	19.50	19.51	19.57	19.66	20.50
3GPP Rel 8 DC-HSDPA Subtest-1	18.58	18.64	18.55	19.50	19.61	19.68	19.56	20.50
3GPP Rel 8 DC-HSDPA Subtest-2	18.62	18.61	18.53	19.50	19.65	19.74	19.61	20.50
3GPP Rel 8 DC-HSDPA Subtest-3	18.57	18.61	18.51	19.50	19.66	19.72	19.61	20.50
3GPP Rel 8 DC-HSDPA Subtest-4	18.59	18.63	18.52	19.50	19.68	19.74	19.63	20.50
3GPP Rel 6 HSUPA Subtest-1	17.95	17.72	18.01	19.50	19.15	19.40	19.39	20.50
3GPP Rel 6 HSUPA Subtest-2	17.54	17.46	17.61	18.50	18.64	18.85	18.78	19.50
3GPP Rel 6 HSUPA Subtest-3	17.52	17.63	17.56	18.50	19.14	19.36	19.32	19.50
3GPP Rel 6 HSUPA Subtest-4	18.23	18.31	18.22	19.50	19.19	19.00	19.35	20.50
3GPP Rel 6 HSUPA Subtest-5	19.33	19.52	19.44	20.50	20.07	20.31	20.21	21.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.35	19.15	19.21	20.50	20.36	20.50	20.44	21.50
Attenuator		Cable Loss	0.8			Cable Loss	0.8	
Mode		Max.	19.65			Max.	20.60	



3	QPSK	15	0	18.43	18.47	18.43	19.5
3	16QAM	1	0	18.43	18.49	18.37	
3	16QAM	1	8	18.43	18.45	18.38	
3	16QAM	1	14	18.28	18.42	18.40	18.5
3	16QAM	8	0	17.36	17.47	17.38	
3	16QAM	8	4	17.34	17.42	17.43	
3	16QAM	8	7	17.34	17.39	17.32	18.5
3	16QAM	15	0	17.53	17.49	17.48	
3	64QAM	1	0	16.85	16.90	16.90	
3	64QAM	1	8	16.88	16.88	16.87	17.5
3	64QAM	1	14	16.81	16.92	16.86	
3	64QAM	8	0	15.67	15.78	15.71	
3	64QAM	8	4	15.60	15.69	15.61	17.5
3	64QAM	8	7	15.71	15.71	15.65	
3	64QAM	15	0	15.65	15.66	15.63	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.54	19.56	19.50	20.5
1.4	QPSK	1	3	19.43	19.50	19.49	
1.4	QPSK	1	5	19.49	19.55	19.46	
1.4	QPSK	3	0	19.53	19.47	19.58	
1.4	QPSK	3	1	19.39	19.49	19.43	
1.4	QPSK	3	3	19.32	19.41	19.34	
1.4	QPSK	6	0	18.43	18.51	18.44	19.5
1.4	16QAM	1	0	18.46	18.47	18.45	19.5
1.4	16QAM	1	3	18.38	18.42	18.33	
1.4	16QAM	1	5	18.31	18.45	18.37	
1.4	16QAM	3	0	18.38	18.42	18.37	
1.4	16QAM	3	1	18.34	18.42	18.40	
1.4	16QAM	3	3	18.33	18.42	18.29	
1.4	16QAM	6	0	17.53	17.47	17.52	18.5
1.4	64QAM	1	0	16.87	16.95	16.90	18.5
1.4	64QAM	1	3	16.82	16.90	16.89	
1.4	64QAM	1	5	16.78	16.91	16.95	
1.4	64QAM	3	0	16.66	16.77	16.64	
1.4	64QAM	3	1	16.62	16.75	16.66	
1.4	64QAM	3	3	16.70	16.67	16.67	
1.4	64QAM	6	0	15.64	15.63	15.65	17.5

3	QPSK	15	0	19.84	19.85	19.81	21
3	16QAM	1	0	20.52	20.58	20.57	
3	16QAM	1	8	20.60	20.58	20.48	
3	16QAM	1	14	20.46	20.59	20.51	20
3	16QAM	8	0	18.39	18.46	18.45	
3	16QAM	8	4	18.32	18.41	18.35	
3	16QAM	8	7	18.37	18.43	18.35	20
3	16QAM	15	0	18.75	18.82	18.85	
3	64QAM	1	0	18.43	18.54	18.37	
3	64QAM	1	8	18.46	18.50	18.45	19
3	64QAM	1	14	18.34	18.42	18.40	
3	64QAM	8	0	17.41	17.34	17.35	
3	64QAM	8	4	17.34	17.37	17.25	19
3	64QAM	8	7	17.27	17.36	17.26	
3	64QAM	15	0	17.35	17.34	17.34	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.89	20.99	20.87	22
1.4	QPSK	1	3	20.83	20.86	20.83	
1.4	QPSK	1	5	20.78	20.92	20.82	
1.4	QPSK	3	0	20.89	20.97	20.91	
1.4	QPSK	3	1	20.77	20.88	20.82	
1.4	QPSK	3	3	20.75	20.82	20.85	
1.4	QPSK	6	0	19.82	19.90	19.76	21
1.4	16QAM	1	0	20.46	20.54	20.52	21
1.4	16QAM	1	3	20.53	20.54	20.48	
1.4	16QAM	1	5	20.45	20.51	20.50	
1.4	16QAM	3	0	19.38	19.41	19.43	
1.4	16QAM	3	1	19.38	19.43	19.36	
1.4	16QAM	3	3	19.37	19.35	19.32	
1.4	16QAM	6	0	18.71	18.90	18.83	20
1.4	64QAM	1	0	18.49	18.51	18.41	
1.4	64QAM	1	3	18.41	18.49	18.47	
1.4	64QAM	1	5	18.35	18.41	18.40	
1.4	64QAM	3	0	18.34	18.40	18.34	
1.4	64QAM	3	1	18.36	18.32	18.27	
1.4	64QAM	3	3	18.35	18.37	18.24	19
1.4	64QAM	6	0	17.36	17.34	17.32	



3	QPSK	15	0	18.86	18.90	18.90	20
3	16QAM	1	0	19.52	19.63	19.53	
3	16QAM	1	8	19.55	19.60	19.51	
3	16QAM	1	14	19.44	19.59	19.42	19
3	16QAM	8	0	17.43	17.50	17.39	
3	16QAM	8	4	17.54	17.56	17.50	
3	16QAM	8	7	17.45	17.47	17.37	
3	16QAM	15	0	17.53	17.55	17.55	
3	64QAM	1	0	17.70	17.76	17.70	19
3	64QAM	1	8	17.66	17.78	17.70	
3	64QAM	1	14	17.73	17.74	17.69	
3	64QAM	8	0	16.17	16.19	16.22	18
3	64QAM	8	4	16.12	16.10	16.14	
3	64QAM	8	7	16.14	16.14	16.12	
3	64QAM	15	0	16.15	16.28	16.24	
Channel				131979	132922	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.24	20.24	20.22	21
1.4	QPSK	1	3	20.10	20.21	20.17	
1.4	QPSK	1	5	20.11	20.22	20.09	
1.4	QPSK	3	0	19.80	19.92	19.80	
1.4	QPSK	3	1	19.89	19.89	19.78	
1.4	QPSK	3	3	19.87	19.90	19.85	
1.4	QPSK	6	0	18.88	18.93	18.83	20
1.4	16QAM	1	0	19.48	19.57	19.47	20
1.4	16QAM	1	3	19.53	19.58	19.51	
1.4	16QAM	1	5	19.51	19.58	19.51	
1.4	16QAM	3	0	18.32	18.39	18.33	
1.4	16QAM	3	1	18.42	18.39	18.36	
1.4	16QAM	3	3	18.39	18.34	18.24	
1.4	16QAM	6	0	17.47	17.62	17.54	19
1.4	64QAM	1	0	17.75	17.83	17.75	19
1.4	64QAM	1	3	17.71	17.81	17.69	
1.4	64QAM	1	5	17.77	17.77	17.75	
1.4	64QAM	3	0	17.05	17.08	17.05	
1.4	64QAM	3	1	17.08	17.03	17.02	
1.4	64QAM	3	3	17.03	17.09	17.07	
1.4	64QAM	6	0	16.15	16.23	16.26	18



Reduced Power Level 4 for ANT 3

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	RMC 12.2Kbps	21.61	21.68	21.62	22.50	20.59	20.63	20.58	21.50
3GPP Rel 6	HSDPA Subtest-1	20.52	20.60	20.52	21.50	19.60	19.60	19.76	20.50
3GPP Rel 6	HSDPA Subtest-2	20.41	20.52	20.50	21.50	19.61	19.64	19.73	20.50
3GPP Rel 6	HSDPA Subtest-3	20.41	20.43	20.42	21.50	19.53	19.59	19.68	20.50
3GPP Rel 6	HSDPA Subtest-4	20.41	20.43	20.42	21.50	19.54	19.60	19.69	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.61	20.67	20.58	21.50	19.64	19.71	19.59	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.65	20.64	20.56	21.50	19.68	19.77	19.64	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	20.60	20.64	20.54	21.50	19.69	19.75	19.64	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.62	20.66	20.55	21.50	19.71	19.77	19.66	20.50
3GPP Rel 6	HSUPA Subtest-1	19.98	19.75	20.04	21.50	19.18	19.43	19.42	20.50
3GPP Rel 6	HSUPA Subtest-2	19.57	19.49	19.64	20.50	18.67	18.88	18.81	19.50
3GPP Rel 6	HSUPA Subtest-3	19.55	19.66	19.59	20.50	19.17	19.39	19.35	19.50
3GPP Rel 6	HSUPA Subtest-4	20.26	20.34	20.25	21.50	19.22	19.03	19.38	20.50
3GPP Rel 6	HSUPA Subtest-5	21.36	21.55	21.47	22.50	20.10	20.34	20.24	21.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.38	21.18	21.24	22.50	20.39	20.53	20.47	21.50
Attenuator			Cable Loss	0.8			Cable Loss	0.8	
Mode			Max.	21.68			Max.	20.63	



3	QPSK	15	0	20.43	20.47	20.43	21.5
3	16QAM	1	0	20.43	20.49	20.37	
3	16QAM	1	8	20.43	20.45	20.38	
3	16QAM	1	14	20.28	20.42	20.40	20.5
3	16QAM	8	0	19.36	19.47	19.38	
3	16QAM	8	4	19.34	19.42	19.43	
3	16QAM	8	7	19.34	19.39	19.32	20.5
3	16QAM	15	0	19.53	19.49	19.48	
3	64QAM	1	0	18.85	18.90	18.90	
3	64QAM	1	8	18.88	18.88	18.87	19.5
3	64QAM	1	14	18.81	18.92	18.86	
3	64QAM	8	0	17.67	17.78	17.71	
3	64QAM	8	4	17.60	17.69	17.61	19.5
3	64QAM	8	7	17.71	17.71	17.65	
3	64QAM	15	0	17.65	17.66	17.63	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	21.54	21.56	21.50	22.5
1.4	QPSK	1	3	21.43	21.50	21.49	
1.4	QPSK	1	5	21.49	21.55	21.46	
1.4	QPSK	3	0	21.53	21.47	21.58	
1.4	QPSK	3	1	21.39	21.49	21.43	
1.4	QPSK	3	3	21.32	21.41	21.34	
1.4	QPSK	6	0	20.43	20.51	20.44	21.5
1.4	16QAM	1	0	20.46	20.47	20.45	21.5
1.4	16QAM	1	3	20.38	20.42	20.33	
1.4	16QAM	1	5	20.31	20.45	20.37	
1.4	16QAM	3	0	20.38	20.42	20.37	
1.4	16QAM	3	1	20.34	20.42	20.40	
1.4	16QAM	3	3	20.33	20.42	20.29	
1.4	16QAM	6	0	19.53	19.47	19.52	20.5
1.4	64QAM	1	0	18.87	18.95	18.90	20.5
1.4	64QAM	1	3	18.82	18.90	18.89	
1.4	64QAM	1	5	18.78	18.91	18.95	
1.4	64QAM	3	0	18.66	18.77	18.64	
1.4	64QAM	3	1	18.62	18.75	18.66	
1.4	64QAM	3	3	18.70	18.67	18.67	
1.4	64QAM	6	0	17.64	17.63	17.65	19.5

3	QPSK	15	0	19.84	19.85	19.81	21
3	16QAM	1	0	20.52	20.58	20.57	
3	16QAM	1	8	20.60	20.58	20.48	
3	16QAM	1	14	20.46	20.59	20.51	20
3	16QAM	8	0	18.39	18.46	18.45	
3	16QAM	8	4	18.32	18.41	18.35	
3	16QAM	8	7	18.37	18.43	18.35	20
3	16QAM	15	0	18.75	18.82	18.85	
3	64QAM	1	0	18.43	18.54	18.37	
3	64QAM	1	8	18.46	18.50	18.45	19
3	64QAM	1	14	18.34	18.42	18.40	
3	64QAM	8	0	17.41	17.34	17.35	
3	64QAM	8	4	17.34	17.37	17.25	19
3	64QAM	8	7	17.27	17.36	17.26	
3	64QAM	15	0	17.35	17.34	17.34	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.89	20.99	20.87	22
1.4	QPSK	1	3	20.83	20.86	20.83	
1.4	QPSK	1	5	20.78	20.92	20.82	
1.4	QPSK	3	0	20.89	20.97	20.91	
1.4	QPSK	3	1	20.77	20.88	20.82	
1.4	QPSK	3	3	20.75	20.82	20.85	
1.4	QPSK	6	0	19.82	19.90	19.76	21
1.4	16QAM	1	0	20.46	20.54	20.52	21
1.4	16QAM	1	3	20.53	20.54	20.48	
1.4	16QAM	1	5	20.45	20.51	20.50	
1.4	16QAM	3	0	19.38	19.41	19.43	
1.4	16QAM	3	1	19.38	19.43	19.36	
1.4	16QAM	3	3	19.37	19.35	19.32	
1.4	16QAM	6	0	18.71	18.90	18.83	20
1.4	64QAM	1	0	18.49	18.51	18.41	20
1.4	64QAM	1	3	18.41	18.49	18.47	
1.4	64QAM	1	5	18.35	18.41	18.40	
1.4	64QAM	3	0	18.34	18.40	18.34	
1.4	64QAM	3	1	18.36	18.32	18.27	
1.4	64QAM	3	3	18.35	18.37	18.24	
1.4	64QAM	6	0	17.36	17.34	17.32	19



Band 66 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.78	20.82	20.79	21.5
20	QPSK	1	49	20.70	20.78	20.76	
20	QPSK	1	99	20.66	20.75	20.67	
20	QPSK	50	0	19.46	19.55	19.50	20.5
20	QPSK	50	24	19.55	19.56	19.47	
20	QPSK	50	50	19.50	19.57	19.54	
20	QPSK	100	0	19.42	19.46	19.41	20.5
20	16QAM	1	0	20.06	20.14	20.06	
20	16QAM	1	49	20.07	20.12	20.03	
20	16QAM	1	99	20.02	20.10	20.02	19.5
20	16QAM	50	0	18.00	18.08	17.99	
20	16QAM	50	24	18.06	18.07	18.01	
20	16QAM	50	50	18.03	18.05	17.95	19.5
20	16QAM	100	0	18.07	18.14	18.06	
20	64QAM	1	0	18.28	18.35	18.27	
20	64QAM	1	49	18.25	18.33	18.28	19.5
20	64QAM	1	99	18.30	18.34	18.28	
20	64QAM	50	0	16.71	16.77	16.76	
20	64QAM	50	24	16.72	16.70	16.71	18.5
20	64QAM	50	50	16.67	16.72	16.71	
20	64QAM	100	0	16.72	16.81	16.78	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.73	20.73	20.71	21.5
15	QPSK	1	37	20.63	20.68	20.75	
15	QPSK	1	74	20.60	20.67	20.66	
15	QPSK	36	0	19.44	19.48	19.40	20.5
15	QPSK	36	20	19.48	19.54	19.43	
15	QPSK	36	39	19.40	19.55	19.50	
15	QPSK	75	0	19.40	19.43	19.36	20.5
15	16QAM	1	0	20.05	20.12	20.05	
15	16QAM	1	37	20.05	20.08	19.93	
15	16QAM	1	74	19.93	20.08	19.99	19.5
15	16QAM	36	0	17.94	18.06	17.89	
15	16QAM	36	20	18.01	18.04	17.93	
15	16QAM	36	39	17.99	17.99	17.90	19.5
15	16QAM	75	0	18.04	18.09	18.02	
15	64QAM	1	0	18.26	18.33	18.22	
15	64QAM	1	37	18.16	18.32	18.26	19.5
15	64QAM	1	74	18.24	18.26	18.20	
15	64QAM	36	0	16.61	16.67	16.75	
15	64QAM	36	20	16.71	16.63	16.68	18.5
15	64QAM	36	39	16.66	16.65	16.66	
15	64QAM	75	0	16.69	16.74	16.69	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.72	20.81	20.74	21.5
10	QPSK	1	25	20.68	20.74	20.72	
10	QPSK	1	49	20.65	20.70	20.61	
10	QPSK	25	0	19.36	19.50	19.42	20.5
10	QPSK	25	12	19.50	19.54	19.39	
10	QPSK	25	25	19.44	19.56	19.52	
10	QPSK	50	0	19.41	19.43	19.35	20.5
10	16QAM	1	0	20.05	20.05	19.96	
10	16QAM	1	25	20.03	20.03	19.94	
10	16QAM	1	49	19.93	20.07	19.92	19.5
10	16QAM	25	0	17.93	18.07	17.96	
10	16QAM	25	12	17.99	17.99	17.91	
10	16QAM	25	25	18.02	17.96	17.89	19.5
10	16QAM	50	0	18.00	18.07	18.04	
10	64QAM	1	0	18.23	18.27	18.17	
10	64QAM	1	25	18.18	18.28	18.24	19.5
10	64QAM	1	49	18.24	18.27	18.19	
10	64QAM	25	0	16.65	16.68	16.66	
10	64QAM	25	12	16.66	16.63	16.62	18.5
10	64QAM	25	25	16.62	16.68	16.62	
10	64QAM	50	0	16.69	16.72	16.69	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.71	20.73	20.75	21.5
5	QPSK	1	12	20.60	20.68	20.71	
5	QPSK	1	24	20.62	20.70	20.58	
5	QPSK	12	0	19.40	19.47	19.49	20.5
5	QPSK	12	7	19.52	19.47	19.44	
5	QPSK	12	13	19.46	19.49	19.45	
5	QPSK	25	0	19.32	19.37	19.35	20.5
5	16QAM	1	0	19.97	20.08	20.01	
5	16QAM	1	12	19.97	20.03	20.00	
5	16QAM	1	24	19.97	20.01	19.98	19.5
5	16QAM	12	0	17.99	17.98	17.93	
5	16QAM	12	7	17.99	18.06	17.95	
5	16QAM	12	13	18.01	18.04	17.91	19.5
5	16QAM	25	0	18.00	18.10	17.98	
5	64QAM	1	0	18.19	18.25	18.20	
5	64QAM	1	12	18.16	18.31	18.20	19.5
5	64QAM	1	24	18.21	18.33	18.19	
5	64QAM	12	0	16.70	16.69	16.66	
5	64QAM	12	7	16.66	16.65	16.65	18.5
5	64QAM	12	13	16.58	16.68	16.64	
5	64QAM	25	0	16.69	16.80	16.69	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	20.69	20.79	20.74	21.5
3	QPSK	1	8	20.60	20.75	20.71	
3	QPSK	1	14	20.62	20.68	20.58	
3	QPSK	8	0	19.43	19.50	19.49	20.5
3	QPSK	8	4	19.51	19.54	19.41	
3	QPSK	8	7	19.44	19.48	19.47	



3	QPSK	15	0	19.36	19.40	19.40	20.5
3	16QAM	1	0	20.02	20.13	20.03	
3	16QAM	1	8	20.05	20.10	20.01	
3	16QAM	1	14	19.94	20.09	19.92	19.5
3	16QAM	8	0	17.93	18.00	17.89	
3	16QAM	8	4	18.04	18.06	18.00	
3	16QAM	8	7	17.95	17.97	17.87	19.5
3	16QAM	15	0	18.03	18.05	18.05	
3	64QAM	1	0	18.20	18.26	18.20	
3	64QAM	1	8	18.16	18.28	18.20	18.5
3	64QAM	1	14	18.23	18.24	18.19	
3	64QAM	8	0	16.67	16.69	16.72	
3	64QAM	8	4	16.62	16.60	16.64	18.5
3	64QAM	8	7	16.64	16.64	16.62	
3	64QAM	15	0	16.65	16.78	16.74	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.74	20.74	20.72	21.5
1.4	QPSK	1	3	20.60	20.71	20.67	
1.4	QPSK	1	5	20.61	20.72	20.59	
1.4	QPSK	3	0	20.30	20.42	20.30	
1.4	QPSK	3	1	20.39	20.39	20.28	
1.4	QPSK	3	3	20.37	20.40	20.35	
1.4	QPSK	6	0	19.38	19.43	19.33	20.5
1.4	16QAM	1	0	19.98	20.07	19.97	20.5
1.4	16QAM	1	3	20.03	20.08	20.01	
1.4	16QAM	1	5	20.01	20.08	20.01	
1.4	16QAM	3	0	18.82	18.89	18.83	
1.4	16QAM	3	1	18.92	18.89	18.86	
1.4	16QAM	3	3	18.89	18.84	18.74	
1.4	16QAM	6	0	17.97	18.12	18.04	19.5
1.4	64QAM	1	0	18.25	18.33	18.25	19.5
1.4	64QAM	1	3	18.21	18.31	18.19	
1.4	64QAM	1	5	18.27	18.27	18.25	
1.4	64QAM	3	0	17.55	17.58	17.55	
1.4	64QAM	3	1	17.58	17.53	17.52	
1.4	64QAM	3	3	17.53	17.59	17.57	
1.4	64QAM	6	0	16.65	16.73	16.76	18.5

Reduced Power Level 5 for ANT 0

5GHz WLAN ANT 0

5.8GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 149	5745	16.51	18.50	16.00	95.89
		CH 157	5785	16.20	18.00	16.00	
		CH 165	5825	15.68	17.50	16.00	
	802.11n-HT20 MCS0	CH 149	5745	16.72	18.00	16.00	95.16
		CH 157	5785	16.42	18.00	16.00	
		CH 165	5825	15.89	17.50	16.00	
	802.11n-HT40 MCS0	CH 151	5755	16.52	18.50	16.00	90.62
		CH 159	5795	16.02	18.00	16.00	
	802.11ac-VHT20 MCS0	CH 149	5745	16.73	18.50	16.00	95.24
CH 157		5785	16.41	18.00	16.00		
CH 165		5825	15.92	17.50	16.00		
802.11ac-VHT40 MCS0	CH 151	5755	16.28	18.00	16.00	90.91	
	CH 159	5795	15.80	17.50	16.00		
802.11ac-VHT80 MCS0	CH 155	5775	16.33	18.00	16.00	83.10	



Reduced Power Level 6 for ANT 0

5GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	11.98	13.50	11.00	95.89
	CH 44	5220	12.12	14.00	11.00	
	CH 48	5240	11.77	13.50	11.00	
802.11n-HT20 MCS0	CH 36	5180	12.15	14.00	11.00	95.16
	CH 44	5220	12.33	14.00	11.00	
	CH 48	5240	12.02	14.00	11.00	
802.11n-HT40 MCS0	CH 38	5190	12.28	14.00	11.00	90.62
	CH 46	5230	12.01	14.00	11.00	
802.11ac-VHT20 MCS0	CH 36	5180	12.20	14.00	11.00	95.24
	CH 44	5220	12.34	14.00	11.00	
	CH 48	5240	12.01	14.00	11.00	
802.11ac-VHT40 MCS0	CH 38	5190	11.99	13.50	11.00	90.91
	CH 46	5230	11.72	13.50	11.00	
802.11ac-VHT80 MCS0	CH 42	5210	11.87	13.50	11.00	83.10

5.3GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	12.91	14.50	12.00	95.89
	CH 60	5300	12.38	14.00	12.00	
	CH 64	5320	12.03	14.00	12.00	
802.11n-HT20 MCS0	CH 52	5260	13.16	15.00	12.00	95.16
	CH 60	5300	12.83	14.50	12.00	
802.11n-HT40 MCS0	CH 54	5270	12.94	14.50	12.00	90.62
	CH 62	5310	12.31	14.00	12.00	
802.11ac-VHT20 MCS0	CH 52	5260	13.13	15.00	12.00	95.24
	CH 60	5300	12.81	14.50	12.00	
	CH 64	5320	12.08	14.00	12.00	
802.11ac-VHT40 MCS0	CH 54	5270	12.65	14.50	12.00	90.91
	CH 62	5310	12.06	14.00	12.00	
802.11ac-VHT80 MCS0	CH 58	5290	12.54	14.50	12.00	83.10

5GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	9.87	11.50	9.00	95.89
	CH 120	5600	10.44	12.00	9.00	
	CH 140	5700	10.18	11.50	9.00	
802.11n-HT20 MCS0	CH 100	5500	10.04	12.00	9.00	95.16
	CH 120	5600	10.64	12.50	9.00	
	CH 140	5700	10.40	12.00	9.00	
802.11n-HT40 MCS0	CH 102	5510	10.21	12.00	9.00	90.62
	CH 126	5630	10.24	12.00	9.00	
	CH 134	5670	10.21	12.00	9.00	
802.11ac-VHT20 MCS0	CH 100	5500	10.12	12.00	9.00	95.24
	CH 120	5600	10.70	12.50	9.00	
	CH 140	5700	10.43	12.00	9.00	
802.11ac-VHT40 MCS0	CH 102	5510	9.96	11.50	9.00	90.91
	CH 126	5630	9.96	11.50	9.00	
	CH 134	5670	9.96	11.50	9.00	
802.11ac-VHT80 MCS0	CH 106	5530	9.95	11.50	9.00	83.10
	CH 122	5610	10.18	12.00	9.00	
	CH 138	5690	10.16	12.00	9.00	

5.8GHz WLAN ANT 0

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 149	5745	11.01	13.00	10.00	95.89
	CH 157	5785	10.70	12.50	10.00	
	CH 165	5825	10.18	12.00	10.00	
802.11n-HT20 MCS0	CH 149	5745	11.23	12.50	10.00	95.16
	CH 157	5785	10.92	12.50	10.00	
	CH 165	5825	10.39	12.00	10.00	
802.11n-HT40 MCS0	CH 151	5755	11.02	13.00	10.00	90.62
	CH 159	5795	10.52	12.50	10.00	
802.11ac-VHT20 MCS0	CH 149	5745	11.23	13.00	10.00	95.24
	CH 157	5785	10.91	12.50	10.00	
	CH 165	5825	10.42	12.00	10.00	
802.11ac-VHT40 MCS0	CH 151	5755	10.78	12.50	10.00	90.91
	CH 159	5795	10.30	12.00	10.00	
802.11ac-VHT80 MCS0	CH 155	5775	10.83	12.50	10.00	83.10



Reduced Power Level 7 for ANT 0

5GHz WLAN ANT 1

5.8GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 149	5745	15.01	17.00	14.00	95.89
		CH 157	5785	14.70	16.50	14.00	
		CH 165	5825	14.18	16.00	14.00	
	802.11n-HT20 MCS0	CH 149	5745	15.22	16.50	14.00	95.16
		CH 157	5785	14.92	16.50	14.00	
		CH 165	5825	14.39	16.00	14.00	
	802.11n-HT40 MCS0	CH 151	5755	15.02	17.00	14.00	90.62
		CH 159	5795	14.52	16.50	14.00	
	802.11ac-VHT20 MCS0	CH 149	5745	15.23	17.00	14.00	95.24
CH 157		5785	14.91	16.50	14.00		
CH 165		5825	14.42	16.00	14.00		
802.11ac-VHT40 MCS0	CH 151	5755	14.78	16.50	14.00	90.91	
	CH 159	5795	14.30	16.00	14.00		
802.11ac-VHT80 MCS0	CH 155	5775	14.83	16.50	14.00	83.10	