



REPORT No.: SZ21120213S01

Annex E Conducted Power

Full Power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)								
GSM 1 Tx slot	32.33	32.33	32.34	33.50	23.33	23.33	23.34	24.50
GPRS 1 Tx slot	32.33	32.35	32.33	33.50	23.33	23.35	23.33	24.50
GPRS 2 Tx slots	30.54	30.56	30.49	31.50	24.54	24.56	24.49	25.50
GPRS 3 Tx slots	28.50	28.51	28.54	29.50	24.24	24.25	24.28	25.24
GPRS 4 Tx slots	26.53	26.57	26.52	27.50	23.53	23.57	23.52	24.50
EDGE 1 Tx slot	25.22	25.24	25.20	26.50	16.22	16.24	16.20	17.50
EDGE 2 Tx slots	24.61	24.63	24.57	25.50	18.61	18.63	18.57	19.50
EDGE 3 Tx slots	22.61	22.61	22.59	23.50	18.35	18.35	18.33	19.24
EDGE 4 Tx slots	20.19	20.21	20.22	21.50	17.19	17.21	17.22	18.50
Mode		Max.	32.35			Max.	24.56	
Attenuator	Cable Loss : 0.6							

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)								
GSM 1 Tx slot	29.45	29.48	29.43	30.50	20.45	20.48	20.43	21.50
GPRS 1 Tx slot	29.46	29.49	29.44	30.50	20.46	20.49	20.44	21.50
GPRS 2 Tx slots	26.80	26.81	26.79	27.50	20.80	20.81	20.79	21.50
GPRS 3 Tx slots	25.66	25.69	25.65	26.50	21.40	21.43	21.39	22.24
GPRS 4 Tx slots	23.26	23.31	23.27	24.50	20.26	20.31	20.27	21.50
EDGE 1 Tx slot	25.54	25.64	25.47	26.50	16.54	16.64	16.47	17.50
EDGE 2 Tx slots	24.56	24.63	24.46	25.50	18.56	18.63	18.46	19.50
EDGE 3 Tx slots	22.29	22.37	22.36	23.50	18.03	18.11	18.10	19.24
EDGE 4 Tx slots	20.58	20.62	20.51	21.50	17.58	17.62	17.51	18.50
Mode		Max.	29.49			Max.	21.43	
Attenuator	Cable Loss : 0.8							

Band		WCDMA Band V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	23.12	23.17	23.14	24.00
3GPP Rel 6	HSDPA Subtest-1	22.49	22.24	22.33	23.00
3GPP Rel 6	HSDPA Subtest-2	22.45	22.25	22.35	23.00
3GPP Rel 6	HSDPA Subtest-3	22.41	22.27	22.31	23.00
3GPP Rel 6	HSDPA Subtest-4	22.42	22.30	22.32	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.68	22.65	22.70	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.70	22.64	22.64	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.69	22.65	22.67	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.68	22.66	22.66	23.50
3GPP Rel 6	HSUPA Subtest-1	22.39	22.23	22.31	23.00
3GPP Rel 6	HSUPA Subtest-2	22.38	22.20	22.34	23.00
3GPP Rel 6	HSUPA Subtest-3	22.32	22.22	22.27	23.00
3GPP Rel 6	HSUPA Subtest-4	22.34	22.16	22.20	23.00
3GPP Rel 6	HSUPA Subtest-5	22.33	22.21	22.25	23.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.24	22.17	22.27	23.00
Attenuator			Cable Loss	0.6	
Mode			Max.	23.17	

Band 38(only on channel required)										
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)			
Channel				37850	38000	38150	24			
Frequency (MHz)				2580	2595	2610				
20	QPSK	1	0	23.00	23.07	23.04	24			
20	QPSK	1	49	22.99	23.01	23.01				
20	QPSK	1	99	22.91	22.97	22.94				
20	QPSK	50	0	22.11	22.33	22.19				
20	QPSK	50	24	22.04	22.11	22.07	23			
20	QPSK	50	50	22.08	22.13	22.07				
20	QPSK	100	0	21.96	22.07	22.10				
20	16QAM	1	0	22.08	22.08	22.01				
20	16QAM	1	49	22.07	21.67	22.07	23			
20	16QAM	1	99	22.23	22.22	22.33				
20	16QAM	50	0	22.08	22.22	21.83				
20	16QAM	50	24	22.19	22.01	21.92				
20	16QAM	50	50	22.18	21.82	21.86	23			
20	16QAM	100	0	22.19	22.22	21.88				
20	64QAM	1	0	22.00	22.28	22.31				
20	64QAM	1	49	22.00	22.19	22.29				
20	64QAM	1	99	22.02	22.29	22.33	23			
20	64QAM	50	0	22.01	22.00	21.89				
20	64QAM	50	24	22.03	21.99	21.98				
20	64QAM	50	50	22.01	21.78	22.00				
20	64QAM	100	0	22.01	21.97	21.88	23			
Channel				37825	38000	38175		24		
Frequency (MHz)				2577.5	2595	2612.5				
15	QPSK	1	0	22.91	22.91	22.92		24		
15	QPSK	1	37	22.92	22.84	22.95				
15	QPSK	1	74	22.73	22.95	22.92				
15	QPSK	36	0	22.04	22.29	22.33				
15	QPSK	36	20	22.24	22.33	22.29	23			
15	QPSK	36	39	22.31	22.29	22.22				
15	QPSK	75	0	22.19	22.19	22.20				
15	16QAM	1	0	22.27	22.29	22.19				
15	16QAM	1	37	22.29	22.33	22.01	23			
15	16QAM	1	74	22.30	22.20	22.00				
15	16QAM	36	0	22.07	22.03	21.92				
15	16QAM	36	20	22.05	22.19	21.96				
15	16QAM	36	39	22.07	22.09	21.94	23			
15	16QAM	75	0	22.03	21.98	21.92				
15	64QAM	1	0	22.14	22.03	22.19				
15	64QAM	1	37	22.02	22.03	22.01				
15	64QAM	1	74	21.97	22.05	22.22	23			
15	64QAM	36	0	21.89	22.04	21.97				
15	64QAM	36	20	22.17	22.03	21.91				
15	64QAM	36	39	22.01	22.01	22.02				
15	64QAM	75	0	22.19	22.01	22.05	23			
Channel				37800	38000	38200		24		
Frequency (MHz)				2575	2595	2615				
10	QPSK	1	0	22.94	22.95	22.95		24		
10	QPSK	1	25	22.94	22.74	22.94				
10	QPSK	1	49	22.88	22.90	22.93				
10	QPSK	25	0	22.03	21.89	21.89				
10	QPSK	25	12	22.26	22.22	21.93	23			
10	QPSK	25	25	22.27	22.29	21.89				
10	QPSK	50	0	22.25	22.17	21.89				
10	16QAM	1	0	22.11	21.88	22.19				
10	16QAM	1	25	21.99	21.89	22.29	23			
10	16QAM	1	49	22.36	21.92	22.01				
10	16QAM	25	0	21.89	22.00	21.96				
10	16QAM	25	12	22.19	21.89	22.02				
10	16QAM	25	25	21.89	22.03	22.08	23			
10	16QAM	50	0	22.01	22.05	21.97				
10	64QAM	1	0	22.01	22.04	21.97				
10	64QAM	1	25	21.92	22.17	22.07				
10	64QAM	1	49	22.28	22.02	22.07	23			
10	64QAM	25	0	21.87	21.87	21.97				
10	64QAM	25	12	21.87	22.07	22.08				
10	64QAM	25	25	21.83	22.03	21.99				
10	64QAM	50	0	21.89	22.05	21.95	23			
Channel				37775	38000	38225		24		
Frequency (MHz)				2572.5	2595	2617.5				
5	QPSK	1	0	22.80	22.90	22.74		24		
5	QPSK	1	12	22.74	22.95	22.93				
5	QPSK	1	24	22.74	22.73	22.72				
5	QPSK	12	0	22.16	22.64	22.23				
5	QPSK	12	7	22.30	22.29	22.29	23			
5	QPSK	12	13	22.16	22.20	22.22				
5	QPSK	25	0	22.22	22.23	21.89				
5	16QAM	1	0	22.40	22.51	22.41				
5	16QAM	1	12	22.01	22.19	21.89	23			
5	16QAM	1	24	22.01	22.02	22.01				
5	16QAM	12	0	22.02	22.07	22.01				
5	16QAM	12	7	22.01	22.03	22.01				
5	16QAM	12	13	21.92	22.04	22.01	23			
5	16QAM	25	0	22.19	21.91	22.09				
5	64QAM	1	0	21.95	22.28	21.89				
5	64QAM	1	12	22.22	22.22	22.29				
5	64QAM	1	24	22.22	22.22	22.19	23			
5	64QAM	12	0	21.93	22.05	22.01				
5	64QAM	12	7	22.02	22.03	21.94				
5	64QAM	12	13	22.01	22.04	21.91				
5	64QAM	25	0	22.05	22.07	21.98	23			

Band 40 (2.3G Band-1)										
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)			
Channel				38750			24			
Frequency (MHz)				2310						
10	QPSK	1	0		22.84		24			
10	QPSK	1	25		22.75					
10	QPSK	1	49		22.73					
10	QPSK	25	0		22.14					
10	QPSK	25	12		22.01		23			
10	QPSK	25	25		22.06					
10	QPSK	50	0		21.84					
10	16QAM	1	0		21.93					
10	16QAM	1	25		21.91		23			
10	16QAM	1	49		21.95					
10	16QAM	25	0		21.84					
10	16QAM	25	12		21.91					
10	16QAM	25	25		21.88		23			
10	16QAM	50	0		21.95					
10	64QAM	1	0		22.02					
10	64QAM	1	25		21.81					
10	64QAM	1	49		22.07		23			
10	64QAM	25	0		21.84					
10	64QAM	25	12		21.84					
10	64QAM	25	25		21.91					
10	64QAM	50	0		21.84		23			
Channel				38725	38750	38775		24		
Frequency (MHz)				2307.5	2310	2312.5				
5	QPSK	1	0	22.78	22.73	22.64		24		
5	QPSK	1	12	22.69	22.68	22.79				
5	QPSK	1	24	22.75	22.77	22.61				
5	QPSK	12	0	21.94	21.87	21.99				
5	QPSK	12	7	21.99	21.85	21.95	23			
5	QPSK	12	13	21.87	21.83	21.88				
5	QPSK	25	0	21.90	21.76	21.97				
5	16QAM	1	0	21.94	21.91	21.99				
5	16QAM	1	12	22.10	22.01	22.08	23			
5	16QAM	1	24	22.02	21.91	21.90				
5	16QAM	12	0	21.86	21.76	21.92				
5	16QAM	12	7	21.88	21.82	21.85				
5	16QAM	12	13	21.95	21.73	21.92	23			
5	16QAM	25	0	21.92	21.84	21.87				
5	64QAM	1	0	22.04	22.07	21.82				
5	64QAM	1	12	22.05	21.45	21.41				
5	64QAM	1	24	22.08	21.69	21.45	23			
5	64QAM	12	0	21.83	21.89	21.99				
5	64QAM	12	7	21.88	21.92	21.95				
5	64QAM	12	13	21.92	21.87	21.89				
5	64QAM	25	0	21.93	21.89	21.92	23			

Band 40 (2.3G Band-2)

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		22.83		24
10	QPSK	1	25		22.74		
10	QPSK	1	49		22.70		
10	QPSK	25	0		22.04		23
10	QPSK	25	12		21.96		
10	QPSK	25	25		21.97		
10	QPSK	50	0		21.94		23
10	16QAM	1	0		22.04		
10	16QAM	1	25		21.95		
10	16QAM	1	49		21.87		23
10	16QAM	25	0		21.99		
10	16QAM	25	12		22.02		
10	16QAM	25	25		22.01		23
10	16QAM	50	0		21.98		
10	64QAM	1	0		22.07		
10	64QAM	1	25		22.00		23
10	64QAM	1	49		21.84		
10	64QAM	25	0		21.96		
10	64QAM	25	12		21.95		23
10	64QAM	25	25		21.92		
10	64QAM	50	0		21.81		
Channel				39200			
Frequency (MHz)				2357.5			
5	QPSK	1	0	22.71	22.66	22.75	24
5	QPSK	1	12	22.66	22.70	22.73	
5	QPSK	1	24	22.59	22.78	22.78	
5	QPSK	12	0	21.94	21.93	21.99	23
5	QPSK	12	7	21.96	21.97	21.99	
5	QPSK	12	13	21.94	21.97	21.97	
5	QPSK	25	0	21.89	21.87	22.03	23
5	16QAM	1	0	22.00	22.06	22.04	
5	16QAM	1	12	21.95	21.93	21.99	
5	16QAM	1	24	21.84	21.75	21.82	23
5	16QAM	12	0	21.92	21.88	22.05	
5	16QAM	12	7	21.84	21.97	22.05	
5	16QAM	12	13	21.90	21.91	21.87	23
5	16QAM	25	0	21.97	21.92	22.01	
5	64QAM	1	0	22.05	21.70	21.74	
5	64QAM	1	12	22.16	21.54	21.66	23
5	64QAM	1	24	22.17	21.72	21.61	
5	64QAM	12	0	21.83	21.86	21.94	
5	64QAM	12	7	21.79	21.80	21.87	23
5	64QAM	12	13	21.84	21.85	21.88	
5	64QAM	25	0	21.92	21.86	21.93	

Band 41 (2535~2655MHz)

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	22.98	23.08	23.10	23.03	23.04	24
20	QPSK	1	49	22.94	23.03	23.03	23.04	23.04	
20	QPSK	1	99	22.88	23.04	22.99	23.09	22.84	
20	QPSK	50	0	22.14	22.16	22.20	22.18	22.13	
20	QPSK	50	24	22.14	22.12	21.97	21.94	21.94	23
20	QPSK	50	50	22.17	22.10	21.98	21.97	22.04	
20	QPSK	100	0	22.14	22.17	22.04	21.98	21.94	
20	16QAM	1	0	22.18	22.34	21.97	22.04	21.94	
20	16QAM	1	49	22.17	22.22	21.97	21.92	21.94	23
20	16QAM	1	99	22.24	22.14	22.04	22.02	22.04	
20	16QAM	50	0	22.15	22.24	21.97	22.27	21.94	
20	16QAM	50	24	22.13	22.45	21.94	22.04	21.94	
20	16QAM	50	50	22.19	22.51	22.40	22.01	22.04	23
20	16QAM	100	0	22.13	22.44	22.39	22.08	21.97	
20	64QAM	1	0	22.28	22.19	22.19	22.02	21.98	
20	64QAM	1	49	22.21	22.31	22.01	22.30	21.98	
20	64QAM	1	99	22.11	22.06	21.97	22.06	21.94	23
20	64QAM	50	0	22.07	22.03	22.00	21.95	22.04	
20	64QAM	50	24	21.92	22.19	22.07	22.04	21.97	
20	64QAM	50	50	22.02	22.18	22.21	22.10	22.03	
20	64QAM	100	0	22.00	22.28	22.24	21.92	22.04	
Channel				40115	40378	40640	40903	41165	
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5	
15	QPSK	1	0	22.64	22.80	23.00	22.87	22.86	24
15	QPSK	1	37	22.63	22.98	23.04	22.87	22.97	
15	QPSK	1	74	22.63	22.96	22.97	22.80	22.77	
15	QPSK	36	0	21.80	22.14	21.99	22.19	22.80	
15	QPSK	36	20	22.05	22.19	21.95	22.15	22.87	23
15	QPSK	36	39	22.21	22.22	21.94	22.18	22.82	
15	QPSK	75	0	21.99	22.24	21.97	22.21	22.79	
15	16QAM	1	0	21.93	22.05	22.34	21.99	21.79	
15	16QAM	1	37	22.14	22.22	21.91	22.05	21.88	23
15	16QAM	1	74	22.10	22.14	21.48	21.89	21.81	
15	16QAM	36	0	21.97	22.21	21.88	22.08	22.26	
15	16QAM	36	20	22.02	22.15	21.84	22.04	22.28	
15	16QAM	36	39	22.09	22.28	22.38	22.08	22.04	23
15	16QAM	75	0	22.00	22.29	21.86	22.08	21.64	
15	64QAM	1	0	22.10	22.00	22.24	21.88	22.38	
15	64QAM	1	37	22.38	22.14	22.38	22.01	21.50	
15	64QAM	1	74	22.35	22.07	22.17	22.35	21.23	23
15	64QAM	36	0	21.79	22.13	21.95	22.09	21.87	
15	64QAM	36	20	21.94	22.24	22.39	22.02	21.76	
15	64QAM	36	39	21.89	22.23	22.36	22.08	21.68	
15	64QAM	75	0	21.87	22.24	22.36	22.12	21.76	
Channel				40090	40365	40640	40915	41190	
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	
10	QPSK	1	0	22.68	22.89	22.97	22.85	22.84	24
10	QPSK	1	25	22.88	22.94	22.84	22.80	22.79	
10	QPSK	1	49	22.65	22.81	23.04	23.04	22.80	
10	QPSK	25	0	21.98	22.39	22.27	22.23	22.04	
10	QPSK	25	12	22.04	22.38	22.16	22.23	22.04	23
10	QPSK	25	25	22.08	22.47	22.11	22.27	22.40	
10	QPSK	50	0	22.13	22.51	22.19	22.25	21.64	
10	16QAM	1	0	21.99	21.86	22.01	22.26	21.84	
10	16QAM	1	25	22.17	21.95	22.16	22.09	21.88	23
10	16QAM	1	49	22.03	21.91	22.08	22.22	22.03	
10	16QAM	25	0	22.03	21.94	22.22	22.40	21.69	
10	16QAM	25	12	22.16	21.91	22.08	22.34	21.45	
10	16QAM	25	25	22.13	21.98	22.20	22.47	21.96	23
10	16QAM	50	0	22.11	21.94	22.18	22.36	21.72	
10	64QAM	1	0	21.73	22.09	21.69	22.03	22.09	
10	64QAM	1	25	21.76	22.21	21.86	22.08	22.04	
10	64QAM	1	49	21.74	22.10	21.73	21.99	21.85	23
10	64QAM	25	0	21.81	22.24	21.94	22.12	22.01	
10	64QAM	25	12	21.84	22.21	21.83	22.12	21.76	
10	64QAM	25	25	21.93	22.25	21.92	22.09	21.99	
10	64QAM	50	0	21.89	22.22	21.97	22.18	22.05	
Channel				40065	40353	40640	40928	41215	
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5	
5	QPSK	1	0	22.65	22.74	22.97	22.94	22.75	24
5	QPSK	1	12	22.64	22.89	22.84	22.97	22.79	
5	QPSK	1	24	22.77	22.80	22.94	22.67	22.80	
5	QPSK	12	0	21.98	22.12	22.16	22.25	21.96	
5	QPSK	12	7	22.06	22.25	22.01	22.31	22.18	23
5	QPSK	12	13	22.00	22.25	22.23	22.37	22.24	
5	QPSK	25	0	22.03	22.26	22.24	22.39	22.17	
5	16QAM	1	0	22.27	22.09	22.25	21.94	22.08	
5	16QAM	1	12	21.88	22.26	22.42	22.10	21.98	23
5	16QAM	1	24	21.74	22.12	22.23	21.95	22.24	
5	16QAM	12	0	21.92	21.87	22.09	22.07	22.04	
5	16QAM	12	7	22.04	21.82	22.19	22.18	22.17	
5	16QAM	12	13	22.10	21.95	22.09	22.11	21.96	23
5	16QAM	25	0	22.02	21.83	22.17	22.18	21.94	
5	64QAM	1	0	22.29	22.14	22.41	21.96	21.99	
5	64QAM	1	12	22.29	22.15	22.34	22.05	21.95	
5	64QAM	1	24	22.14	22.00	22.27	21.91	22.28	23
5	64QAM	12	0	22.09	22.18	21.87	21.99	21.95	
5	64QAM	12	7	22.10	21.66	21.95	22.17	22.03	
5	64QAM	12	13	22.08	21.65	21.74	22.05	21.94	
5	64QAM	25	0	21.82	21.65	21.80	22.14	21.76	

2.4GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	18.69	20.00	18	98.78
	CH 6	2437	17.71	19.00	18	
	CH 11	2462	17.47	19.00	18	
802.11g 6Mbps	CH 1	2412	18.09	20.00	17	91.13
	CH 6	2437	17.10	19.00	17	
	CH 11	2462	16.75	18.00	17	
802.11n-HT20 MCS0	CH 1	2412	18.27	20.00	17	90.76
	CH 6	2437	17.66	19.00	17	
	CH 11	2462	17.29	19.00	17	
802.11n-HT40 MCS0	CH 3	2422	16.49	18.00	17	79.85
	CH 6	2437	16.58	18.00	17	
	CH 9	2452	17.53	19.00	17	

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	16.35	18.00	17	91.10
	CH 44	5220	16.39	18.00	17	
	CH 48	5240	16.80	18.00	17	
802.11n-HT20 MCS0	CH 36	5180	15.34	17.00	17	91.21
	CH 44	5220	15.77	17.00	17	
	CH 48	5240	16.52	18.00	17	
802.11n-HT40 MCS0	CH 38	5190	16.31	18.00	17	88.77
	CH 46	5230	16.78	18.00	17	
802.11ac-VHT20 MCS0	CH 36	5180	16.19	18.00	17	90.91
	CH 44	5220	16.25	18.00	17	
	CH 48	5240	16.66	18.00	17	
802.11ac-VHT40 MCS0	CH 38	5190	15.92	17.00	17	80.00
	CH 46	5230	16.18	18.00	17	
802.11ac-VHT80 MCS0	CH 42	5210	15.66	17.00	17	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	16.86	18.00	17	91.10
	CH 60	5300	17.03	19.00	17	
	CH 64	5320	16.88	18.00	17	
802.11n-HT20 MCS0	CH 52	5260	16.47	18.00	17	91.21
	CH 60	5300	16.10	18.00	17	
	CH 64	5320	16.37	18.00	17	
802.11n-HT40 MCS0	CH 54	5270	17.02	19.00	17	88.77
	CH 62	5310	16.70	18.00	17	
802.11ac-VHT20 MCS0	CH 52	5260	16.60	18.00	17	90.91
	CH 60	5300	16.64	18.00	17	
	CH 64	5320	16.57	18.00	17	
802.11ac-VHT40 MCS0	CH 54	5270	16.37	18.00	17	80.00
	CH 62	5310	16.04	18.00	17	
802.11ac-VHT80 MCS0	CH 58	5290	15.68	17.00	17	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	15.96	17.50	17	91.10
	CH 120	5600	16.66	18.00	17	
	CH 140	5700	16.27	18.00	17	
802.11n-HT20 MCS0	CH 100	5500	15.55	17.00	17	91.21
	CH 120	5600	15.74	17.00	17	
	CH 140	5700	15.49	17.00	17	
802.11n-HT40 MCS0	CH 102	5510	15.93	17.50	17	88.77
	CH 126	5630	16.90	18.50	17	
	CH 134	5670	16.28	18.00	17	
802.11ac-VHT20 MCS0	CH 100	5500	15.71	17.00	17	90.91
	CH 120	5600	16.27	18.00	17	

	802.11ac-VHT40 MCS0	CH 140	5700	16.02	18.00	17	80.00	
		CH 102	5510	15.23	17.00	17		
		CH 126	5630	16.02	18.00	17		
	802.11ac-VHT80 MCS0	CH 134	5670	15.58	17.00	17	70.76	
		CH 106	5530	15.24	17.00	17		
		CH 122	5610	15.48	17.00	17		
			CH 138	5690	15.06	17.00	17	

5GHz WLAN ANT 2

5.8GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a MCS0		CH 149	5745	15.28	17.00	17
CH 157			5785	16.12	18.00	17	
CH 165			5825	16.17	18.00	17	
802.11n-HT20 MCS0		CH 149	5745	15.34	17.00	17	91.21
		CH 157	5785	15.40	17.00	17	
		CH 165	5825	15.48	17.00	17	
802.11n-HT40 MCS0		CH 151	5755	16.21	18.00	17	88.77
		CH 159	5795	15.86	17.00	17	
802.11ac-VHT20 MCS0		CH 149	5745	15.83	17.00	17	90.91
		CH 157	5785	15.79	17.00	17	
		CH 165	5825	15.98	17.50	17	
802.11ac-VHT40 MCS0		CH 151	5755	15.56	17.00	17	80.00
		CH 159	5795	15.28	17.00	17	
802.11ac-VHT80 MCS0		CH 155	5775	15.21	17.00	17	70.76

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.39	6.38	6.17
	CH 39	2441	7.13	6.02	6.12
	CH 78	2480	8.26	7.10	6.99
Tune-up Limit			10	9	8.5
Duty Cycle %			77.6	77.07	77.07

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
LE	CH 00	2402	-2.68	-2.46	N/A
	CH 19	2440	-4.40	-4.17	N/A
	CH 39	2480	-4.04	-3.77	N/A
Tune-up Limit			0.5	0.5	N/A
Duty Cycle %			31.65	32.54	N/A

Reduced Power Level 1

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	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		824.2	836.4	848.8	
GSM 1 Tx slot	28.33	28.33	28.34	29.50	19.33	19.33	19.34	20.50
GPRS 1 Tx slot	28.33	28.35	28.33	29.50	19.33	19.35	19.33	20.50
GPRS 2 Tx slots	26.54	26.56	26.49	27.50	20.54	20.56	20.49	21.50
GPRS 3 Tx slots	24.50	24.51	24.54	25.50	20.24	20.25	20.28	21.24
GPRS 4 Tx slots	22.53	22.57	22.52	23.50	19.53	19.57	19.52	20.50
EDGE 1 Tx slot	21.22	21.24	21.20	22.50	12.22	12.24	12.20	13.50
EDGE 2 Tx slots	20.61	20.63	20.57	21.50	14.61	14.63	14.57	15.50
EDGE 3 Tx slots	18.61	18.61	18.59	19.50	14.35	14.35	14.33	15.24
EDGE 4 Tx slots	16.19	16.21	16.22	17.50	13.19	13.21	13.22	14.50
Mode		Max.	28.35			Max.	20.56	
Attenuator	Cable Loss : 0.6							

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)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	24.45	24.48	24.43	25.50	15.45	15.48	15.43	16.50
GPRS 1 Tx slot	24.46	24.49	24.44	25.50	15.46	15.49	15.44	16.50
GPRS 2 Tx slots	21.80	21.81	21.79	22.50	15.80	15.81	15.79	16.50
GPRS 3 Tx slots	20.66	20.69	20.65	21.50	16.40	16.43	16.39	17.24
GPRS 4 Tx slots	18.26	18.31	18.27	19.50	15.26	15.31	15.27	16.50
EDGE 1 Tx slot	20.54	20.64	20.47	21.50	11.54	11.64	11.47	12.50
EDGE 2 Tx slots	19.56	19.63	19.46	20.50	13.56	13.63	13.46	14.50
EDGE 3 Tx slots	17.29	17.37	17.36	18.50	13.03	13.11	13.10	14.24
EDGE 4 Tx slots	15.58	15.62	15.51	16.50	12.58	12.62	12.51	13.50
Mode		Max.	24.49			Max.	16.43	
Attenuator	Cable Loss : 0.8							

Band		WCDMA Band V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	20.12	20.17	20.14	21.00
3GPP Rel 6	HSDPA Subtest-1	19.49	19.24	19.33	20.00
3GPP Rel 6	HSDPA Subtest-2	19.45	19.25	19.35	20.00
3GPP Rel 6	HSDPA Subtest-3	19.41	19.27	19.31	20.00
3GPP Rel 6	HSDPA Subtest-4	19.42	19.30	19.32	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.68	19.65	19.70	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.70	19.64	19.64	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.69	19.65	19.67	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.68	19.66	19.66	20.50
3GPP Rel 6	HSUPA Subtest-1	19.39	19.23	19.31	20.00
3GPP Rel 6	HSUPA Subtest-2	19.38	19.20	19.34	20.00
3GPP Rel 6	HSUPA Subtest-3	19.32	19.22	19.27	20.00
3GPP Rel 6	HSUPA Subtest-4	19.34	19.16	19.20	20.00
3GPP Rel 6	HSUPA Subtest-5	19.33	19.21	19.25	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.24	19.17	19.27	20.00

Band 38(only on channel required)							
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	18.00	18.07	18.04	19
20	QPSK	1	49	17.99	18.01	18.01	
20	QPSK	1	99	17.91	17.97	17.94	
20	QPSK	50	0	17.11	17.33	17.19	18
20	QPSK	50	24	17.04	17.11	17.07	
20	QPSK	50	50	17.08	17.13	17.07	
20	QPSK	100	0	16.96	17.07	17.10	18
20	16QAM	1	0	17.08	17.08	17.01	
20	16QAM	1	49	17.07	16.67	17.07	
20	16QAM	1	99	17.23	17.22	17.33	18
20	16QAM	50	0	17.08	17.22	16.83	
20	16QAM	50	24	17.19	17.01	16.92	
20	16QAM	50	50	17.18	16.82	16.86	18
20	16QAM	100	0	17.19	17.22	16.88	
20	64QAM	1	0	17.00	17.28	17.31	
20	64QAM	1	49	17.00	17.19	17.29	18
20	64QAM	1	99	17.02	17.29	17.33	
20	64QAM	50	0	17.01	17.00	16.89	
20	64QAM	50	24	17.03	16.99	16.98	18
20	64QAM	50	50	17.01	16.78	17.00	
20	64QAM	100	0	17.01	16.97	16.88	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	17.91	17.91	17.92	19
15	QPSK	1	37	17.92	17.84	17.95	
15	QPSK	1	74	17.73	17.95	17.92	
15	QPSK	36	0	17.04	17.29	17.33	18
15	QPSK	36	20	17.24	17.33	17.29	
15	QPSK	36	39	17.31	17.29	17.22	
15	QPSK	75	0	17.19	17.19	17.20	18
15	16QAM	1	0	17.27	17.29	17.19	
15	16QAM	1	37	17.29	17.33	17.01	
15	16QAM	1	74	17.30	17.20	17.00	18
15	16QAM	36	0	17.07	17.03	16.92	
15	16QAM	36	20	17.05	17.19	16.96	
15	16QAM	36	39	17.07	17.09	16.94	18
15	16QAM	75	0	17.03	16.98	16.92	
15	64QAM	1	0	17.14	17.03	17.19	
15	64QAM	1	37	17.02	17.03	17.01	18
15	64QAM	1	74	16.97	17.05	17.22	
15	64QAM	36	0	16.89	17.04	16.97	
15	64QAM	36	20	17.17	17.03	16.91	18
15	64QAM	36	39	17.01	17.01	17.02	
15	64QAM	75	0	17.19	17.01	17.05	
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	17.94	17.95	17.95	19
10	QPSK	1	25	17.94	17.74	17.94	
10	QPSK	1	49	17.88	17.90	17.93	
10	QPSK	25	0	17.03	16.89	16.89	18
10	QPSK	25	12	17.26	17.22	16.93	
10	QPSK	25	25	17.27	17.29	16.89	
10	QPSK	50	0	17.25	17.17	16.89	18
10	16QAM	1	0	17.11	16.88	17.19	
10	16QAM	1	25	16.99	16.89	17.29	
10	16QAM	1	49	17.36	16.92	17.01	18
10	16QAM	25	0	16.89	17.00	16.96	
10	16QAM	25	12	17.19	16.89	17.02	
10	16QAM	25	25	16.89	17.03	17.08	18
10	16QAM	50	0	17.01	17.05	16.97	
10	64QAM	1	0	17.01	17.04	16.97	
10	64QAM	1	25	16.92	17.17	17.07	18
10	64QAM	1	49	17.28	17.02	17.07	
10	64QAM	25	0	16.87	16.87	16.97	
10	64QAM	25	12	16.87	17.07	17.08	18
10	64QAM	25	25	16.83	17.03	16.99	
10	64QAM	50	0	16.89	17.05	16.95	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	17.80	17.90	17.74	19
5	QPSK	1	12	17.74	17.95	17.93	
5	QPSK	1	24	17.74	17.73	17.72	
5	QPSK	12	0	17.16	17.64	17.23	18
5	QPSK	12	7	17.30	17.29	17.29	
5	QPSK	12	13	17.18	17.20	17.22	
5	QPSK	25	0	17.22	17.23	16.89	18
5	16QAM	1	0	17.40	17.51	17.41	
5	16QAM	1	12	17.01	17.19	16.89	
5	16QAM	1	24	17.01	17.02	17.01	18
5	16QAM	12	0	17.02	17.07	17.01	
5	16QAM	12	7	17.01	17.03	17.01	
5	16QAM	12	13	16.92	17.04	17.01	18
5	16QAM	25	0	17.19	16.91	17.09	
5	64QAM	1	0	16.95	17.28	16.89	
5	64QAM	1	12	17.22	17.22	17.29	18
5	64QAM	1	24	17.22	17.22	17.19	
5	64QAM	12	0	16.93	17.05	17.01	
5	64QAM	12	7	17.02	17.03	16.94	18
5	64QAM	12	13	17.01	17.04	16.91	
5	64QAM	25	0	17.05	17.07	16.98	

Band 40 (2.3G Band-1)							
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		18.04		19
10	QPSK	1	25		17.95		
10	QPSK	1	49		17.93		
10	QPSK	25	0		17.34		18
10	QPSK	25	12		17.21		
10	QPSK	25	25		17.26		
10	QPSK	50	0		17.04		18
10	16QAM	1	0		17.13		
10	16QAM	1	25		17.11		
10	16QAM	1	49		17.15		18
10	16QAM	25	0		17.04		
10	16QAM	25	12		17.11		
10	16QAM	25	25		17.08		18
10	16QAM	50	0		17.15		
10	64QAM	1	0		17.22		
10	64QAM	1	25		17.01		18
10	64QAM	1	49		17.27		
10	64QAM	25	0		16.84		
10	64QAM	25	12		17.04		18
10	64QAM	25	25		17.11		
10	64QAM	50	0		17.04		
Channel				38725	38750	38775	
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	17.98	17.93	17.84	19
5	QPSK	1	12	17.89	17.88	17.99	
5	QPSK	1	24	17.95	17.97	17.81	
5	QPSK	12	0	17.14	17.07	17.19	18
5	QPSK	12	7	17.19	17.05	17.15	
5	QPSK	12	13	17.07	17.03	17.08	
5	QPSK	25	0	17.10	16.96	17.17	18
5	16QAM	1	0	17.14	17.11	17.19	
5	16QAM	1	12	17.30	17.21	17.28	
5	16QAM	1	24	17.22	17.11	17.10	18
5	16QAM	12	0	17.06	16.96	17.12	
5	16QAM	12	7	17.08	17.02	17.05	
5	16QAM	12	13	17.15	16.93	17.12	18
5	16QAM	25	0	17.12	17.04	17.07	
5	64QAM	1	0	17.24	17.27	17.02	
5	64QAM	1	12	17.25	16.85	16.61	18
5	64QAM	1	24	17.28	16.89	16.65	
5	64QAM	12	0	17.03	17.09	17.19	
5	64QAM	12	7	17.08	17.12	17.15	18
5	64QAM	12	13	17.12	17.07	17.09	
5	64QAM	25	0	17.13	17.09	17.12	

Band 40 (2.3G Band-2)

Bandwidth (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		18.03		19
10	QPSK	1	25		17.94		
10	QPSK	1	49		17.90		
10	QPSK	25	0		17.24		18
10	QPSK	25	12		17.16		
10	QPSK	25	25		17.17		
10	QPSK	50	0		17.14		18
10	16QAM	1	0		17.24		
10	16QAM	1	25		17.15		
10	16QAM	1	49		17.07		18
10	16QAM	25	0		17.19		
10	16QAM	25	12		17.22		
10	16QAM	25	25		17.21		18
10	16QAM	50	0		17.18		
10	64QAM	1	0		17.27		
10	64QAM	1	25		17.20		18
10	64QAM	1	49		17.04		
10	64QAM	25	0		17.16		
10	64QAM	25	12		17.15		18
10	64QAM	25	25		17.12		
10	64QAM	50	0		17.01		
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	17.91	17.86	17.95	19
5	QPSK	1	12	17.86	17.90	17.93	
5	QPSK	1	24	17.79	17.98	17.98	
5	QPSK	12	0	17.14	17.13	17.19	18
5	QPSK	12	7	17.16	17.17	17.19	
5	QPSK	12	13	17.14	17.17	17.17	
5	QPSK	25	0	17.09	17.07	17.23	18
5	16QAM	1	0	17.20	17.26	17.24	
5	16QAM	1	12	17.15	17.13	17.19	
5	16QAM	1	24	17.04	16.95	17.02	18
5	16QAM	12	0	17.12	17.08	17.25	
5	16QAM	12	7	17.04	17.17	17.25	
5	16QAM	12	13	17.10	17.11	17.07	18
5	16QAM	25	0	17.17	17.12	17.21	
5	64QAM	1	0	17.25	16.90	16.94	
5	64QAM	1	12	17.36	16.74	16.86	18
5	64QAM	1	24	17.37	16.92	16.81	
5	64QAM	12	0	17.03	17.06	17.14	
5	64QAM	12	7	16.99	17.00	17.07	18
5	64QAM	12	13	17.04	17.05	17.08	
5	64QAM	25	0	17.12	17.06	17.13	

Band 41 (2535~2655MHz)

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	17.98	18.08	18.10	18.03	18.04	24
20	QPSK	1	49	17.94	18.03	18.03	18.04	18.04	
20	QPSK	1	99	17.88	18.04	17.99	18.09	17.84	
20	QPSK	50	0	17.14	17.16	17.20	17.18	17.13	
20	QPSK	50	24	17.14	17.12	16.97	16.94	16.94	23
20	QPSK	50	50	17.17	17.10	16.98	16.97	17.04	
20	QPSK	100	0	17.14	17.17	17.04	16.98	16.94	
20	16QAM	1	0	17.18	17.34	16.97	17.04	16.94	
20	16QAM	1	49	17.17	17.22	16.97	16.92	16.94	23
20	16QAM	1	99	17.24	17.14	17.04	17.02	17.04	
20	16QAM	50	0	17.15	17.24	16.97	17.27	16.94	
20	16QAM	50	24	17.13	17.45	16.94	17.04	16.94	
20	16QAM	50	50	17.19	17.51	17.40	17.01	17.04	23
20	16QAM	100	0	17.13	17.44	17.39	17.08	16.97	
20	64QAM	1	0	17.28	17.19	17.19	17.02	16.98	
20	64QAM	1	49	17.21	17.31	17.01	17.30	16.98	
20	64QAM	1	99	17.11	17.06	16.97	17.06	16.94	23
20	64QAM	50	0	17.07	17.03	17.00	16.95	17.04	
20	64QAM	50	24	16.92	17.19	17.07	17.04	16.97	
20	64QAM	50	50	17.02	17.18	17.21	17.10	17.03	
20	64QAM	100	0	17.00	17.28	17.24	16.92	17.04	
Channel				40115	40378	40640	40903	41165	
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5	
15	QPSK	1	0	17.64	17.80	18.00	17.87	17.86	24
15	QPSK	1	37	17.63	17.98	18.04	17.87	17.97	
15	QPSK	1	74	17.63	17.96	17.97	17.80	17.77	
15	QPSK	36	0	16.80	17.14	16.99	17.19	17.80	
15	QPSK	36	20	17.05	17.19	16.95	17.15	17.87	23
15	QPSK	36	39	17.21	17.22	16.94	17.18	17.82	
15	QPSK	75	0	16.99	17.24	16.97	17.21	17.79	
15	16QAM	1	0	16.93	17.05	17.34	16.99	16.79	
15	16QAM	1	37	17.14	17.22	16.91	17.05	16.88	23
15	16QAM	1	74	17.10	17.14	16.48	16.89	16.81	
15	16QAM	36	0	16.97	17.21	16.88	17.08	17.26	
15	16QAM	36	20	17.02	17.15	16.84	17.04	17.28	
15	16QAM	36	39	17.09	17.28	17.38	17.08	17.04	23
15	16QAM	75	0	17.00	17.29	16.86	17.08	16.64	
15	64QAM	1	0	17.10	17.00	17.24	16.88	17.38	
15	64QAM	1	37	17.38	17.14	17.38	17.01	16.50	
15	64QAM	1	74	17.35	17.07	17.17	17.35	16.23	23
15	64QAM	36	0	16.79	17.13	16.95	17.09	16.87	
15	64QAM	36	20	16.94	17.24	17.39	17.02	16.76	
15	64QAM	36	39	16.89	17.23	17.36	17.08	16.68	
15	64QAM	75	0	16.87	17.24	17.36	17.12	16.76	
Channel				40090	40365	40640	40915	41190	
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	
10	QPSK	1	0	17.68	17.89	17.97	17.85	17.84	24
10	QPSK	1	25	17.88	17.94	17.84	17.80	17.79	
10	QPSK	1	49	17.65	17.81	18.04	18.04	17.80	
10	QPSK	25	0	16.98	17.39	17.27	17.23	17.04	
10	QPSK	25	12	17.04	17.38	17.16	17.23	17.04	23
10	QPSK	25	25	17.08	17.47	17.11	17.27	17.40	
10	QPSK	50	0	17.13	17.51	17.19	17.25	16.64	
10	16QAM	1	0	16.99	16.86	17.01	17.26	16.84	
10	16QAM	1	25	17.17	16.95	17.16	17.09	16.88	23
10	16QAM	1	49	17.03	16.91	17.08	17.22	17.03	
10	16QAM	25	0	17.03	16.94	17.22	17.40	16.69	
10	16QAM	25	12	17.16	16.91	17.08	17.34	16.45	
10	16QAM	25	25	17.13	16.98	17.20	17.47	16.96	23
10	16QAM	50	0	17.11	16.94	17.18	17.36	16.72	
10	64QAM	1	0	16.73	17.09	16.69	17.03	17.09	
10	64QAM	1	25	16.76	17.21	16.86	17.08	17.04	
10	64QAM	1	49	16.74	17.10	16.73	16.99	16.85	23
10	64QAM	25	0	16.81	17.24	16.94	17.12	17.01	
10	64QAM	25	12	16.84	17.21	16.83	17.12	16.76	
10	64QAM	25	25	16.93	17.25	16.92	17.09	16.99	
10	64QAM	50	0	16.89	17.22	16.97	17.18	17.05	
Channel				40065	40353	40640	40928	41215	
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5	
5	QPSK	1	0	17.65	17.74	17.97	17.94	17.75	24
5	QPSK	1	12	17.64	17.89	17.84	17.97	17.79	
5	QPSK	1	24	17.77	17.80	17.94	17.67	17.80	
5	QPSK	12	0	16.98	17.12	17.16	17.25	16.96	
5	QPSK	12	7	17.06	17.25	17.01	17.31	17.18	23
5	QPSK	12	13	17.00	17.25	17.23	17.37	17.24	
5	QPSK	25	0	17.03	17.26	17.24	17.39	17.17	
5	16QAM	1	0	17.27	17.09	17.25	16.94	17.08	
5	16QAM	1	12	16.88	17.26	17.42	17.10	16.98	23
5	16QAM	1	24	16.74	17.12	17.23	16.95	17.24	
5	16QAM	12	0	16.92	16.87	17.09	17.07	17.04	
5	16QAM	12	7	17.04	16.82	17.19	17.18	17.17	
5	16QAM	12	13	17.10	16.95	17.09	17.11	16.96	23
5	16QAM	25	0	17.02	16.83	17.17	17.18	16.94	
5	64QAM	1	0	17.29	17.14	17.41	16.96	16.99	
5	64QAM	1	12	17.29	17.15	17.34	17.05	16.95	
5	64QAM	1	24	17.14	17.00	17.27	16.91	17.28	23
5	64QAM	12	0	17.09	17.18	16.87	16.99	16.95	
5	64QAM	12	7	17.10	16.86	16.95	17.17	17.03	
5	64QAM	12	13	17.08	16.65	16.74	17.05	16.94	
5	64QAM	25	0	16.82	16.65	16.80	17.14	16.76	

2.4GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	16.65	18.00	16	98.78
	CH 6	2437	15.67	17.00	16	
	CH 11	2462	15.43	17.00	16	
802.11g 6Mbps	CH 1	2412	16.05	18.00	15	91.13
	CH 6	2437	15.06	17.00	15	
	CH 11	2462	14.71	16.00	15	
802.11n-HT20 MCS0	CH 1	2412	16.23	18.00	15	90.76
	CH 6	2437	15.62	17.00	15	
	CH 11	2462	15.25	17.00	15	
802.11n-HT40 MCS0	CH 3	2422	14.45	16.00	15	79.85
	CH 6	2437	14.54	16.00	15	
	CH 9	2452	15.49	17.00	15	

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	13.31	15.00	14	91.10
	CH 44	5220	13.35	15.00	14	
	CH 48	5240	13.76	15.00	14	
802.11n-HT20 MCS0	CH 36	5180	12.30	14.00	14	91.21
	CH 44	5220	12.73	14.00	14	
	CH 48	5240	13.48	15.00	14	
802.11n-HT40 MCS0	CH 38	5190	13.27	15.00	14	88.77
	CH 46	5230	13.74	15.00	14	
802.11ac-VHT20 MCS0	CH 36	5180	13.15	15.00	14	90.91
	CH 44	5220	13.21	15.00	14	
	CH 48	5240	13.62	15.00	14	
802.11ac-VHT40 MCS0	CH 38	5190	12.88	14.00	14	80.00
	CH 46	5230	13.14	15.00	14	
802.11ac-VHT80 MCS0	CH 42	5210	12.62	14.00	14	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	11.86	13.00	12	91.10
	CH 60	5300	12.03	14.00	12	
	CH 64	5320	11.88	13.00	12	
802.11n-HT20 MCS0	CH 52	5260	11.47	13.00	12	91.21
	CH 60	5300	11.10	13.00	12	
	CH 64	5320	11.37	13.00	12	
802.11n-HT40 MCS0	CH 54	5270	12.02	14.00	12	88.77
	CH 62	5310	11.70	13.00	12	
802.11ac-VHT20 MCS0	CH 52	5260	11.60	13.00	12	90.91
	CH 60	5300	11.64	13.00	12	
	CH 64	5320	11.57	13.00	12	
802.11ac-VHT40 MCS0	CH 54	5270	11.37	13.00	12	80.00
	CH 62	5310	11.04	13.00	12	
802.11ac-VHT80 MCS0	CH 58	5290	10.68	12.00	12	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	12.89	14.50	14	91.10
	CH 120	5600	13.59	15.00	14	
	CH 140	5700	13.20	15.00	14	
802.11n-HT20 MCS0	CH 100	5500	12.48	14.00	14	91.21
	CH 120	5600	12.67	14.00	14	
	CH 140	5700	12.42	14.00	14	
802.11n-HT40 MCS0	CH 102	5510	12.86	14.50	14	88.77
	CH 126	5630	13.83	15.50	14	
	CH 134	5670	13.21	15.00	14	
802.11ac-VHT20 MCS0	CH 100	5500	12.64	14.00	14	90.91
CH 120	5600	13.20	15.00	14		

	802.11ac-VHT40 MCS0	CH 140	5700	12.95	14.50	14	80.00
		CH 102	5510	12.16	14.00	14	
		CH 126	5630	12.95	14.50	14	
	802.11ac-VHT80 MCS0	CH 134	5670	12.51	14.00	14	70.76
		CH 106	5530	12.17	14.00	14	
		CH 122	5610	12.41	14.00	14	
		CH 138	5690	11.99	13.00	14	

5GHz WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 2	802.11a MCS0	CH 149	5745	12.24	14.00	14	91.10
		CH 157	5785	13.08	15.00	14	
		CH 165	5825	13.13	15.00	14	
	802.11n-HT20 MCS0	CH 149	5745	12.30	14.00	14	91.21
		CH 157	5785	12.36	14.00	14	
		CH 165	5825	12.44	14.00	14	
	802.11n-HT40 MCS0	CH 151	5755	13.17	15.00	14	88.77
		CH 159	5795	12.82	14.00	14	
	802.11ac-VHT20 MCS0	CH 149	5745	12.79	14.00	14	90.91
		CH 157	5785	12.75	14.00	14	
		CH 165	5825	12.94	14.50	14	
	802.11ac-VHT40 MCS0	CH 151	5755	12.52	14.00	14	80.00
		CH 159	5795	12.24	14.00	14	
	802.11ac-VHT80 MCS0	CH 155	5775	12.17	14.00	14	70.76

Reduced Power Level 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	27.45	27.48	27.43	28.50	18.45	18.48	18.43	19.50
GPRS 1 Tx slot	27.46	27.49	27.44	28.50	18.46	18.49	18.44	19.50
GPRS 2 Tx slots	24.80	24.81	24.79	25.50	18.80	18.81	18.79	19.50
GPRS 3 Tx slots	23.66	23.69	23.65	24.50	19.40	19.43	19.39	20.24
GPRS 4 Tx slots	21.26	21.31	21.27	22.50	18.26	18.31	18.27	19.50
EDGE 1 Tx slot	23.54	23.64	23.47	24.50	14.54	14.64	14.47	15.50
EDGE 2 Tx slots	22.56	22.63	22.46	23.50	16.56	16.63	16.46	17.50
EDGE 3 Tx slots	20.29	20.37	20.36	21.50	16.03	16.11	16.10	17.24
EDGE 4 Tx slots	18.58	18.62	18.51	19.50	15.58	15.62	15.51	16.50
Mode		Max.	27.49			Max.	19.43	
Attenuator	Cable Loss : 0.8							

Band 7 (2600MHz Band)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	17.10	17.11	17.03	18
20	QPSK	1	49	17.05	17.09	16.98	
20	QPSK	1	99	17.00	16.95	17.00	
20	QPSK	50	0	16.16	16.23	16.20	17
20	QPSK	50	24	15.92	15.89	15.79	
20	QPSK	50	50	16.02	16.05	16.02	
20	QPSK	100	0	15.97	15.99	15.96	17
20	16QAM	1	0	15.78	15.88	16.06	
20	16QAM	1	49	15.93	15.79	16.07	
20	16QAM	1	99	15.87	16.18	15.83	17
20	16QAM	50	0	15.72	15.82	15.75	
20	16QAM	50	24	15.77	15.69	15.80	
20	16QAM	50	50	15.85	15.90	15.73	17
20	16QAM	100	0	15.73	15.85	15.83	
20	64QAM	1	0	15.61	15.45	15.18	
20	64QAM	1	49	15.55	15.52	15.57	17
20	64QAM	1	99	15.53	15.58	15.49	
20	64QAM	50	0	15.47	15.48	15.53	
20	64QAM	50	24	15.52	15.53	15.53	17
20	64QAM	50	50	15.56	15.63	15.48	
20	64QAM	100	0	15.49	15.46	15.58	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	16.93	17.02	17.02	18
15	QPSK	1	37	17.03	17.00	17.04	
15	QPSK	1	74	16.97	17.04	17.04	
15	QPSK	36	0	15.75	15.84	15.86	17
15	QPSK	36	20	15.83	15.90	15.85	
15	QPSK	36	39	15.86	15.89	15.93	
15	QPSK	75	0	15.92	15.85	15.87	17
15	16QAM	1	0	16.28	16.39	16.46	
15	16QAM	1	37	16.10	16.21	16.19	
15	16QAM	1	74	16.14	16.14	16.36	17
15	16QAM	36	0	15.73	15.84	15.86	
15	16QAM	36	20	15.80	15.83	15.82	
15	16QAM	36	39	15.86	15.84	15.73	17
15	16QAM	75	0	15.81	15.89	15.81	
15	64QAM	1	0	15.71	15.68	15.56	
15	64QAM	1	37	15.61	15.76	15.85	17
15	64QAM	1	74	15.60	15.72	15.78	
15	64QAM	36	0	15.45	15.53	15.52	
15	64QAM	36	20	15.56	15.55	15.62	17
15	64QAM	36	39	15.60	15.51	15.53	
15	64QAM	75	0	15.45	15.55	15.50	
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	16.82	16.79	16.82	18
10	QPSK	1	25	16.95	16.85	16.87	
10	QPSK	1	49	16.88	16.85	16.87	
10	QPSK	25	0	15.67	15.67	15.66	17
10	QPSK	25	12	15.63	15.75	15.80	
10	QPSK	25	25	15.56	15.74	15.74	
10	QPSK	50	0	15.65	15.77	15.76	17
10	16QAM	1	0	15.90	16.08	15.93	
10	16QAM	1	25	15.89	15.91	15.96	
10	16QAM	1	49	16.36	16.26	16.17	17
10	16QAM	25	0	15.79	15.67	15.75	
10	16QAM	25	12	15.61	15.78	15.71	
10	16QAM	25	25	15.66	15.89	15.61	17
10	16QAM	50	0	15.69	15.78	15.63	
10	64QAM	1	0	15.71	15.67	15.65	
10	64QAM	1	25	15.40	15.65	15.48	17
10	64QAM	1	49	15.51	15.75	15.56	
10	64QAM	25	0	15.37	15.35	15.39	
10	64QAM	25	12	15.39	15.50	15.43	17
10	64QAM	25	25	15.32	15.22	15.21	
10	64QAM	50	0	15.26	15.32	15.24	
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	16.96	16.87	16.77	18
5	QPSK	1	12	16.83	16.76	16.84	
5	QPSK	1	24	16.77	16.83	16.87	
5	QPSK	12	0	15.47	15.55	15.47	17
5	QPSK	12	7	15.54	15.69	15.61	
5	QPSK	12	13	15.56	15.72	15.57	
5	QPSK	25	0	15.57	15.58	15.53	17
5	16QAM	1	0	15.75	15.73	15.79	
5	16QAM	1	12	15.80	16.02	15.92	
5	16QAM	1	24	15.86	16.05	15.87	17
5	16QAM	12	0	15.77	15.83	15.74	
5	16QAM	12	7	15.66	15.68	15.64	
5	16QAM	12	13	15.66	15.72	15.85	17
5	16QAM	25	0	15.63	15.68	15.70	
5	64QAM	1	0	15.47	15.52	15.48	
5	64QAM	1	12	15.52	15.64	15.52	17
5	64QAM	1	24	15.56	15.66	15.62	
5	64QAM	12	0	15.27	15.24	15.29	
5	64QAM	12	7	15.36	15.41	15.20	17
5	64QAM	12	13	15.31	15.40	15.26	
5	64QAM	25	0	15.26	15.25	15.30	

Band 40 (2.3G Band-1)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			21
Frequency (MHz)				2310			
10	QPSK	1	0		20.04		21
10	QPSK	1	25		19.95		
10	QPSK	1	49		19.93		
10	QPSK	25	0		19.34		20
10	QPSK	25	12		19.21		
10	QPSK	25	25		19.26		
10	QPSK	50	0		19.04		20
10	16QAM	1	0		19.13		
10	16QAM	1	25		19.11		
10	16QAM	1	49		19.15		20
10	16QAM	25	0		19.04		
10	16QAM	25	12		19.11		
10	16QAM	25	25		19.08		20
10	16QAM	50	0		19.15		
10	64QAM	1	0		19.22		
10	64QAM	1	25		19.01		20
10	64QAM	1	49		19.27		
10	64QAM	25	0		18.84		
10	64QAM	25	12		19.04		20
10	64QAM	25	25		19.11		
10	64QAM	50	0		19.04		
Channel				38725	38750	38775	21
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.98	19.93	19.84	21
5	QPSK	1	12	19.89	19.88	19.99	
5	QPSK	1	24	19.95	19.97	19.81	
5	QPSK	12	0	19.14	19.07	19.19	20
5	QPSK	12	7	19.19	19.05	19.15	
5	QPSK	12	13	19.07	19.03	19.06	
5	QPSK	25	0	19.10	18.96	19.17	20
5	16QAM	1	0	19.14	19.11	19.19	
5	16QAM	1	12	19.30	19.21	19.28	
5	16QAM	1	24	19.22	19.11	19.10	20
5	16QAM	12	0	19.06	18.96	19.12	
5	16QAM	12	7	19.08	19.02	19.05	
5	16QAM	12	13	19.15	18.93	19.12	20
5	16QAM	25	0	19.12	19.04	19.07	
5	64QAM	1	0	19.24	19.27	19.02	
5	64QAM	1	12	19.25	18.65	18.61	20
5	64QAM	1	24	19.28	18.89	18.65	
5	64QAM	12	0	19.03	19.09	19.19	
5	64QAM	12	7	19.08	19.12	19.15	20
5	64QAM	12	13	19.12	19.07	19.09	
5	64QAM	25	0	19.13	19.09	19.12	

Band 40 (2.3G Band-2)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			21
Frequency (MHz)				2355			
10	QPSK	1	0		20.03		21
10	QPSK	1	25		19.94		
10	QPSK	1	49		19.90		
10	QPSK	25	0		19.24		20
10	QPSK	25	12		19.16		
10	QPSK	25	25		19.17		
10	QPSK	50	0		19.14		20
10	16QAM	1	0		19.24		
10	16QAM	1	25		19.15		
10	16QAM	1	49		19.07		20
10	16QAM	25	0		19.19		
10	16QAM	25	12		19.22		
10	16QAM	25	25		19.21		20
10	16QAM	50	0		19.18		
10	64QAM	1	0		19.27		
10	64QAM	1	25		19.20		20
10	64QAM	1	49		19.04		
10	64QAM	25	0		19.16		
10	64QAM	25	12		19.15		20
10	64QAM	25	25		19.12		
10	64QAM	50	0		19.01		
Channel				39175	39200	39225	21
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	19.91	19.86	19.95	21
5	QPSK	1	12	19.86	19.90	19.93	
5	QPSK	1	24	19.79	19.98	19.98	
5	QPSK	12	0	19.14	19.13	19.19	20
5	QPSK	12	7	19.16	19.17	19.19	
5	QPSK	12	13	19.14	19.17	19.17	
5	QPSK	25	0	19.09	19.07	19.23	20
5	16QAM	1	0	19.20	19.26	19.24	
5	16QAM	1	12	19.15	19.13	19.19	
5	16QAM	1	24	19.04	18.95	19.02	20
5	16QAM	12	0	19.12	19.08	19.25	
5	16QAM	12	7	19.04	19.17	19.25	
5	16QAM	12	13	19.10	19.11	19.07	20
5	16QAM	25	0	19.17	19.12	19.21	
5	64QAM	1	0	19.25	18.90	18.94	
5	64QAM	1	12	19.36	18.74	18.86	20
5	64QAM	1	24	19.37	18.92	18.81	
5	64QAM	12	0	19.03	19.06	19.14	
5	64QAM	12	7	18.99	19.00	19.07	20
5	64QAM	12	13	19.04	19.05	19.08	
5	64QAM	25	0	19.12	19.06	19.13	

Reduced Power Level 3

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	25.45	25.48	25.43	26.50	16.45	16.48	16.43	17.50
GPRS 1 Tx slot	25.46	25.49	25.44	26.50	16.46	16.49	16.44	17.50
GPRS 2 Tx slots	22.80	22.81	22.79	23.50	16.80	16.81	16.79	17.50
GPRS 3 Tx slots	21.66	21.69	21.65	22.50	17.40	17.43	17.39	18.24
GPRS 4 Tx slots	19.26	19.31	19.27	20.50	16.26	16.31	16.27	17.50
EDGE 1 Tx slot	21.54	21.64	21.47	22.50	12.54	12.64	12.47	13.50
EDGE 2 Tx slots	20.56	20.63	20.46	21.50	14.56	14.63	14.46	15.50
EDGE 3 Tx slots	18.29	18.37	18.36	19.50	14.03	14.11	14.10	15.24
EDGE 4 Tx slots	16.58	16.62	16.51	17.50	13.58	13.62	13.51	14.50
Mode		Max.	25.49			Max.	17.43	
Attenuator	Cable Loss : 0.8							

Band 40 (2.3G Band-1)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			21
Frequency (MHz)				2310			
10	QPSK	1	0		20.04		21
10	QPSK	1	25		19.95		
10	QPSK	1	49		19.93		
10	QPSK	25	0		19.34		20
10	QPSK	25	12		19.21		
10	QPSK	25	25		19.26		
10	QPSK	50	0		19.04		20
10	16QAM	1	0		19.13		
10	16QAM	1	25		19.11		
10	16QAM	1	49		19.15		20
10	16QAM	25	0		19.04		
10	16QAM	25	12		19.11		
10	16QAM	25	25		19.08		20
10	16QAM	50	0		19.15		
10	64QAM	1	0		19.22		
10	64QAM	1	25		19.01		20
10	64QAM	1	49		19.27		
10	64QAM	25	0		18.84		
10	64QAM	25	12		19.04		20
10	64QAM	25	25		19.11		
10	64QAM	50	0		19.04		
Channel				38725	38750	38775	21
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.98	19.93	19.84	21
5	QPSK	1	12	19.89	19.88	19.99	
5	QPSK	1	24	19.95	19.97	19.81	
5	QPSK	12	0	19.14	19.07	19.19	20
5	QPSK	12	7	19.19	19.05	19.15	
5	QPSK	12	13	19.07	19.03	19.06	
5	QPSK	25	0	19.10	18.96	19.17	20
5	16QAM	1	0	19.14	19.11	19.19	
5	16QAM	1	12	19.30	19.21	19.28	
5	16QAM	1	24	19.22	19.11	19.10	20
5	16QAM	12	0	19.06	18.96	19.12	
5	16QAM	12	7	19.08	19.02	19.05	
5	16QAM	12	13	19.15	18.93	19.12	20
5	16QAM	25	0	19.12	19.04	19.07	
5	64QAM	1	0	19.24	19.27	19.02	
5	64QAM	1	12	19.25	18.85	18.61	20
5	64QAM	1	24	19.28	18.89	18.65	
5	64QAM	12	0	19.03	19.09	19.19	
5	64QAM	12	7	19.08	19.12	19.15	20
5	64QAM	12	13	19.12	19.07	19.09	
5	64QAM	25	0	19.13	19.09	19.12	

Band 40 (2.3G Band-2)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			21
Frequency (MHz)				2355			
10	QPSK	1	0		20.03		21
10	QPSK	1	25		19.94		
10	QPSK	1	49		19.90		
10	QPSK	25	0		19.24		20
10	QPSK	25	12		19.16		
10	QPSK	25	25		19.17		
10	QPSK	50	0		19.14		20
10	16QAM	1	0		19.24		
10	16QAM	1	25		19.15		
10	16QAM	1	49		19.07		20
10	16QAM	25	0		19.19		
10	16QAM	25	12		19.22		
10	16QAM	25	25		19.21		20
10	16QAM	50	0		19.18		
10	64QAM	1	0		19.27		
10	64QAM	1	25		19.20		20
10	64QAM	1	49		19.04		
10	64QAM	25	0		19.16		
10	64QAM	25	12		19.15		20
10	64QAM	25	25		19.12		
10	64QAM	50	0		19.01		
Channel				39175	39200	39225	21
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	19.91	19.86	19.95	21
5	QPSK	1	12	19.86	19.90	19.93	
5	QPSK	1	24	19.79	19.98	19.98	
5	QPSK	12	0	19.14	19.13	19.19	20
5	QPSK	12	7	19.16	19.17	19.19	
5	QPSK	12	13	19.14	19.17	19.17	
5	QPSK	25	0	19.09	19.07	19.23	20
5	16QAM	1	0	19.20	19.26	19.24	
5	16QAM	1	12	19.15	19.13	19.19	
5	16QAM	1	24	19.04	18.95	19.02	20
5	16QAM	12	0	19.12	19.08	19.25	
5	16QAM	12	7	19.04	19.17	19.25	
5	16QAM	12	13	19.10	19.11	19.07	20
5	16QAM	25	0	19.17	19.12	19.21	
5	64QAM	1	0	19.25	18.90	18.94	
5	64QAM	1	12	19.36	18.74	18.86	20
5	64QAM	1	24	19.37	18.92	18.61	
5	64QAM	12	0	19.03	19.06	19.14	
5	64QAM	12	7	18.99	19.00	19.07	20
5	64QAM	12	13	19.04	19.05	19.08	
5	64QAM	25	0	19.12	19.06	19.13	

Reduced Power Level 4

5GHz WLAN ANT 2							
5.3GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 52	5260	13.86	15.00	14	91.10
		CH 60	5300	14.03	16.00	14	
		CH 64	5320	13.88	15.00	14	
	802.11n-HT20 MCS0	CH 52	5260	13.47	15.00	14	91.21
		CH 60	5300	13.10	15.00	14	
		CH 64	5320	13.37	15.00	14	
	802.11n-HT40 MCS0	CH 54	5270	14.02	16.00	14	88.77
		CH 62	5310	13.70	15.00	14	
	802.11ac-VHT20 MCS0	CH 52	5260	13.60	15.00	14	90.91
CH 60		5300	13.64	15.00	14		
CH 64		5320	13.57	15.00	14		
802.11ac-VHT40 MCS0	CH 54	5270	13.37	15.00	14	80.00	
	CH 62	5310	13.04	15.00	14		
802.11ac-VHT80 MCS0	CH 58	5290	12.68	14.00	14	70.76	

Band 38(Reduced Power Level 5)

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	17.00	17.07	17.04	18
20	QPSK	1	49	16.99	17.01	17.01	
20	QPSK	1	99	16.91	16.97	16.94	
20	QPSK	50	0	16.11	16.33	16.19	17
20	QPSK	50	24	16.04	16.11	16.07	
20	QPSK	50	50	16.08	16.13	16.07	
20	QPSK	100	0	15.96	16.07	16.10	17
20	16QAM	1	0	16.08	16.08	16.01	
20	16QAM	1	49	16.07	15.67	16.07	
20	16QAM	1	99	16.23	16.22	16.33	17
20	16QAM	50	0	16.08	16.22	15.83	
20	16QAM	50	24	16.19	16.01	15.92	
20	16QAM	50	50	16.18	15.82	15.86	17
20	16QAM	100	0	16.19	16.22	15.88	
20	64QAM	1	0	16.00	16.28	16.31	
20	64QAM	1	49	16.00	16.19	16.29	17
20	64QAM	1	99	16.02	16.29	16.33	
20	64QAM	50	0	16.01	16.00	15.89	
20	64QAM	50	24	16.03	15.99	15.98	17
20	64QAM	50	50	16.01	15.78	16.00	
20	64QAM	100	0	16.01	15.97	15.88	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	16.91	16.91	16.92	18
15	QPSK	1	37	16.92	16.84	16.95	
15	QPSK	1	74	16.73	16.95	16.92	
15	QPSK	36	0	16.04	16.29	16.33	17
15	QPSK	36	20	16.24	16.33	16.29	
15	QPSK	36	39	16.31	16.29	16.22	
15	QPSK	75	0	16.19	16.19	16.20	17
15	16QAM	1	0	16.27	16.29	16.19	
15	16QAM	1	37	16.29	16.33	16.01	
15	16QAM	1	74	16.30	16.20	16.00	17
15	16QAM	36	0	16.07	16.03	15.92	
15	16QAM	36	20	16.05	16.19	15.96	
15	16QAM	36	39	16.07	16.09	15.94	17
15	16QAM	75	0	16.03	15.98	15.92	
15	64QAM	1	0	16.14	16.03	16.19	
15	64QAM	1	37	16.02	16.03	16.01	17
15	64QAM	1	74	15.97	16.05	16.22	
15	64QAM	36	0	15.89	16.04	15.97	
15	64QAM	36	20	16.17	16.03	15.91	17
15	64QAM	36	39	16.01	16.01	16.02	
15	64QAM	75	0	16.19	16.01	16.05	
Channel				37800	38000	38200	Tune-up limit

Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	16.94	16.95	16.95	18
10	QPSK	1	25	16.94	16.74	16.94	
10	QPSK	1	49	16.88	16.90	16.93	
10	QPSK	25	0	16.03	15.89	15.89	17
10	QPSK	25	12	16.26	16.22	15.93	
10	QPSK	25	25	16.27	16.29	15.89	
10	QPSK	50	0	16.25	16.17	15.89	
10	16QAM	1	0	16.11	15.88	16.19	17
10	16QAM	1	25	15.99	15.89	16.29	
10	16QAM	1	49	16.36	15.92	16.01	
10	16QAM	25	0	15.89	16.00	15.96	17
10	16QAM	25	12	16.19	15.89	16.02	
10	16QAM	25	25	15.89	16.03	16.08	
10	16QAM	50	0	16.01	16.05	15.97	
10	64QAM	1	0	16.01	16.04	15.97	17
10	64QAM	1	25	15.92	16.17	16.07	
10	64QAM	1	49	16.28	16.02	16.07	
10	64QAM	25	0	15.87	15.87	15.97	17
10	64QAM	25	12	15.87	16.07	16.08	
10	64QAM	25	25	15.83	16.03	15.99	
10	64QAM	50	0	15.89	16.05	15.95	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	16.80	16.90	16.74	18
5	QPSK	1	12	16.74	16.95	16.93	
5	QPSK	1	24	16.74	16.73	16.72	
5	QPSK	12	0	16.16	16.64	16.23	17
5	QPSK	12	7	16.30	16.29	16.29	
5	QPSK	12	13	16.18	16.20	16.22	
5	QPSK	25	0	16.22	16.23	15.89	
5	16QAM	1	0	16.40	16.51	16.41	17
5	16QAM	1	12	16.01	16.19	15.89	
5	16QAM	1	24	16.01	16.02	16.01	
5	16QAM	12	0	16.02	16.07	16.01	17
5	16QAM	12	7	16.01	16.03	16.01	
5	16QAM	12	13	15.92	16.04	16.01	
5	16QAM	25	0	16.19	15.91	16.09	
5	64QAM	1	0	15.95	16.28	15.89	17
5	64QAM	1	12	16.22	16.22	16.29	
5	64QAM	1	24	16.22	16.22	16.19	
5	64QAM	12	0	15.93	16.05	16.01	17
5	64QAM	12	7	16.02	16.03	15.94	
5	64QAM	12	13	16.01	16.04	15.91	
5	64QAM	25	0	16.05	16.07	15.98	

Reduced Power Level 6

2.4GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	14.65	16.00	14	98.78
	CH 6	2437	13.67	15.00	14	
	CH 11	2462	13.43	15.00	14	
802.11g 6Mbps	CH 1	2412	14.05	16.00	13	91.13
	CH 6	2437	13.06	15.00	13	
	CH 11	2462	12.71	14.00	13	
802.11n-HT20 MCS0	CH 1	2412	14.23	16.00	13	90.76
	CH 6	2437	13.62	15.00	13	
	CH 11	2462	13.25	15.00	13	
802.11n-HT40 MCS0	CH 3	2422	12.45	14.00	13	79.85
	CH 6	2437	12.54	14.00	13	
	CH 9	2452	13.49	15.00	13	

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	11.31	13.00	12	91.10
	CH 44	5220	11.35	13.00	12	
	CH 48	5240	11.76	13.00	12	
802.11n-HT20 MCS0	CH 36	5180	10.30	12.00	12	91.21
	CH 44	5220	10.73	12.00	12	
	CH 48	5240	11.48	13.00	12	
802.11n-HT40 MCS0	CH 38	5190	11.27	13.00	12	88.77
	CH 46	5230	11.74	13.00	12	
802.11ac-VHT20 MCS0	CH 36	5180	11.15	13.00	12	90.91
	CH 44	5220	11.21	13.00	12	
	CH 48	5240	11.62	13.00	12	
802.11ac-VHT40 MCS0	CH 38	5190	10.88	12.00	12	80.00
	CH 46	5230	11.14	13.00	12	
802.11ac-VHT80 MCS0	CH 42	5210	10.62	12.00	12	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	9.86	11.00	10	91.10
	CH 60	5300	10.03	12.00	10	
	CH 64	5320	9.88	11.00	10	
802.11n-HT20 MCS0	CH 52	5260	9.47	11.00	10	91.21
	CH 60	5300	9.10	11.00	10	
	CH 64	5320	9.37	11.00	10	
802.11n-HT40 MCS0	CH 54	5270	10.02	12.00	10	88.77
	CH 62	5310	9.70	11.00	10	
802.11ac-VHT20 MCS0	CH 52	5260	9.60	11.00	10	90.91
	CH 60	5300	9.64	11.00	10	
	CH 64	5320	9.57	11.00	10	
802.11ac-VHT40 MCS0	CH 54	5270	9.37	11.00	10	80.00
	CH 62	5310	9.04	11.00	10	
802.11ac-VHT80 MCS0	CH 58	5290	8.68	10.00	10	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	10.89	12.50	12	91.10
	CH 120	5600	11.59	13.00	12	
	CH 140	5700	11.20	13.00	12	
802.11n-HT20 MCS0	CH 100	5500	10.48	12.00	12	91.21
	CH 120	5600	10.67	12.00	12	
	CH 140	5700	10.42	12.00	12	
802.11n-HT40 MCS0	CH 102	5510	10.86	12.50	12	88.77
	CH 126	5630	11.83	13.50	12	
	CH 134	5670	11.21	13.00	12	
	CH 100	5500	10.64	12.00	12	

802.11ac-VHT20 MCS0	CH 120	5600	11.20	13.00	12	90.91
	CH 140	5700	10.95	12.50	12	
802.11ac-VHT40 MCS0	CH 102	5510	10.16	12.00	12	80.00
	CH 126	5630	10.95	12.50	12	
	CH 134	5670	10.51	12.00	12	
802.11ac-VHT80 MCS0	CH 106	5530	10.17	12.00	12	70.76
	CH 122	5610	10.41	12.00	12	
	CH 138	5690	9.99	11.50	12	

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a MCS0	CH 149	5745	10.24	12.00	12	91.10
	CH 157	5785	11.08	13.00	12	
	CH 165	5825	11.13	13.00	12	
802.11n-HT20 MCS0	CH 149	5745	10.30	12.00	12	91.21
	CH 157	5785	10.36	12.00	12	
	CH 165	5825	10.44	12.00	12	
802.11n-HT40 MCS0	CH 151	5755	11.17	13.00	12	88.77
	CH 159	5795	10.82	12.00	12	
802.11ac-VHT20 MCS0	CH 149	5745	10.79	12.00	12	90.91
	CH 157	5785	10.75	12.00	12	
	CH 165	5825	10.94	12.50	12	
802.11ac-VHT40 MCS0	CH 151	5755	10.52	12.00	12	80.00
	CH 159	5795	10.24	12.00	12	
802.11ac-VHT80 MCS0	CH 155	5775	10.17	12.00	12	70.76

Reduced Power Level 7

5GHz WLAN ANT 2

5.2GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	13.31	15.00	14	91.10
		CH 44	5220	13.35	15.00	14	
		CH 48	5240	13.76	15.00	14	
	802.11n-HT20 MCS0	CH 36	5180	12.30	14.00	14	91.21
		CH 44	5220	12.73	14.00	14	
		CH 48	5240	13.48	15.00	14	
	802.11n-HT40 MCS0	CH 38	5190	13.27	15.00	14	88.77
		CH 46	5230	13.74	15.00	14	
802.11ac-VHT20 MCS0	CH 36	5180	13.15	15.00	14	90.91	
	CH 44	5220	13.21	15.00	14		
	CH 48	5240	13.62	15.00	14		
802.11ac-VHT40 MCS0	CH 38	5190	12.88	14.00	14	80.00	
	CH 46	5230	13.14	15.00	14		
802.11ac-VHT80 MCS0	CH 42	5210	12.62	14.00	14	70.76	

5GHz WLAN ANT 2

5.3GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 52	5260	11.86	13.00	12	91.10
		CH 60	5300	12.03	14.00	12	
		CH 64	5320	11.88	13.00	12	
	802.11n-HT20 MCS0	CH 52	5260	11.47	13.00	12	91.21
		CH 60	5300	11.10	13.00	12	
		CH 64	5320	11.37	13.00	12	
	802.11n-HT40 MCS0	CH 54	5270	12.02	14.00	12	88.77
		CH 62	5310	11.70	13.00	12	
	802.11ac-VHT20 MCS0	CH 52	5260	11.60	13.00	12	90.91
		CH 60	5300	11.64	13.00	12	
		CH 64	5320	11.57	13.00	12	
	802.11ac-VHT40 MCS0	CH 54	5270	11.37	13.00	12	80.00
CH 62		5310	11.04	13.00	12		
802.11ac-VHT80 MCS0	CH 58	5290	10.68	12.00	12	70.76	

5GHz WLAN ANT 2

5.5GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 100	5500	12.89	14.50	14	91.10
		CH 120	5600	13.59	15.00	14	
		CH 140	5700	13.20	15.00	14	
	802.11n-HT20 MCS0	CH 100	5500	12.48	14.00	14	91.21
		CH 120	5600	12.67	14.00	14	
		CH 140	5700	12.42	14.00	14	
	802.11n-HT40 MCS0	CH 102	5510	12.86	14.50	14	88.77
		CH 126	5630	13.83	15.50	14	
		CH 134	5670	13.21	15.00	14	
802.11ac-VHT20 MCS0	CH 100	5500	12.64	14.00	14	90.91	
	CH 120	5600	13.20	15.00	14		

		CH 140	5700	12.95	14.50	14	
	802.11ac-VHT40 MCS0	CH 102	5510	12.16	14.00	14	80.00
		CH 126	5630	12.95	14.50	14	
		CH 134	5670	12.51	14.00	14	
	802.11ac-VHT80 MCS0	CH 106	5530	12.17	14.00	14	70.76
		CH 122	5610	12.41	14.00	14	
		CH 138	5690	11.99	13.50	14	

5GHz WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 2	802.11a MCS0	CH 149	5745	12.24	14.00	14	91.10
		CH 157	5785	13.08	15.00	14	
		CH 165	5825	13.13	15.00	14	
	802.11n-HT20 MCS0	CH 149	5745	12.30	14.00	14	91.21
		CH 157	5785	12.36	14.00	14	
		CH 165	5825	12.44	14.00	14	
	802.11n-HT40 MCS0	CH 151	5755	13.17	15.00	14	88.77
		CH 159	5795	12.82	14.00	14	
	802.11ac-VHT20 MCS0	CH 149	5745	12.79	14.00	14	90.91
		CH 157	5785	12.75	14.00	14	
		CH 165	5825	12.94	14.50	14	
	802.11ac-VHT40 MCS0	CH 151	5755	12.52	14.00	14	80.00
		CH 159	5795	12.24	14.00	14	
	802.11ac-VHT80 MCS0	CH 155	5775	12.17	14.00	14	70.76