



REPORT No.: SZ25060041S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacturer's document.

Full Power

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8	33.50	824.2	836.4	848.8	24.50
GSM 1 Tx slot		32.46	32.47	32.45		23.46	23.47	23.45	
GPRS 1 Tx slot		32.48	32.49	32.48	33.50	23.48	23.49	23.48	24.50
GPRS 2 Tx slots		30.70	30.73	30.71	31.50	24.70	24.73	24.71	25.50
GPRS 3 Tx slots		28.64	28.65	28.67	29.50	24.38	24.39	24.41	25.24
GPRS 4 Tx slots		26.61	26.65	26.62	27.50	23.61	23.65	23.62	24.50
EDGE 1 Tx slot		26.12	26.15	26.13	26.50	17.12	17.15	17.13	17.50
EDGE 2 Tx slots		23.60	23.59	23.61	24.50	17.60	17.59	17.61	18.50
EDGE 3 Tx slots		21.51	21.52	21.54	22.50	17.25	17.26	17.28	18.24
EDGE 4 Tx slots		20.03	20.06	20.05	20.50	17.03	17.06	17.05	17.50
Mode			Max.	32.49			Max.	24.73	
Attenuator		Cable Loss : 0.6							
Date		6/12							

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8	30.50	1850.2	1880	1909.8	21.50
GSM 1 Tx slot		29.60	29.63	29.58		20.60	20.63	20.58	
GPRS 1 Tx slot		29.61	29.65	29.59	30.50	20.61	20.65	20.59	21.50
GPRS 2 Tx slots		28.08	28.11	28.04	29.00	22.08	22.11	22.04	23.00
GPRS 3 Tx slots		26.06	26.07	26.01	27.00	21.80	21.81	21.75	22.74
GPRS 4 Tx slots		24.02	24.05	24.02	25.00	21.02	21.05	21.02	22.00
EDGE 1 Tx slot		24.44	24.52	24.41	25.50	15.44	15.52	15.41	16.50
EDGE 2 Tx slots		22.41	22.44	22.40	23.50	16.41	16.44	16.40	17.50
EDGE 3 Tx slots		20.50	20.55	20.49	21.50	16.24	16.29	16.23	17.24
EDGE 4 Tx slots		18.49	18.52	18.47	19.50	15.49	15.52	15.47	16.50
Mode			Max.	29.65			Max.	22.11	
Attenuator		Cable Loss : 0.8							
Date		6/12							

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938	24.00	1537	1638	1738		4357	4407	4458	23.50
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	23.26	23.28	23.24	24.00	23.33	23.35	23.25	24.00	23.07	23.09	23.05	24.00
3GPP Rel 5	HSDPA Subtest-1	22.00	21.95	22.01	23.00	22.55	22.53	22.40	23.50	22.65	22.59	22.56	23.50
3GPP Rel 5	HSDPA Subtest-2	22.01	21.94	21.94	23.00	22.54	22.47	22.42	23.50	22.62	22.54	22.50	23.50
3GPP Rel 5	HSDPA Subtest-3	21.58	21.47	21.42	22.50	22.10	22.03	21.95	23.00	22.16	22.05	22.01	23.00
3GPP Rel 5	HSDPA Subtest-4	21.56	21.44	21.39	22.50	22.08	22.02	21.93	23.00	22.13	22.03	21.99	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.14	22.02	22.01	23.00	22.63	22.58	22.48	23.50	22.67	22.63	22.58	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.12	22.03	21.97	23.00	22.64	22.60	22.49	23.50	22.67	22.61	22.56	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.68	21.58	21.45	22.50	22.19	22.14	22.00	23.00	22.17	22.07	22.03	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.66	21.56	21.44	22.50	22.22	22.13	22.00	23.00	22.18	22.11	22.02	23.00
3GPP Rel 6	HSUPA Subtest-1	21.62	21.53	21.45	22.00	22.19	22.11	22.04	22.50	22.16	22.10	22.05	22.50
3GPP Rel 6	HSUPA Subtest-2	22.06	22.01	22.00	23.00	22.66	22.56	22.51	23.50	22.68	22.62	22.56	23.50
3GPP Rel 6	HSUPA Subtest-3	21.13	21.02	21.02	22.00	21.73	21.60	21.56	22.50	21.76	21.67	21.61	22.50
3GPP Rel 6	HSUPA Subtest-4	22.10	22.01	22.02	23.00	22.63	22.58	22.43	23.50	22.66	22.63	22.56	23.50
3GPP Rel 6	HSUPA Subtest-5	21.13	21.04	21.02	22.00	21.71	21.60	21.57	22.50	21.72	21.65	21.60	22.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.13	20.99	20.97	22.00	21.66	21.59	21.52	22.50	21.77	21.64	21.61	22.50
Attenuator		Cable Loss				Cable Loss				Cable Loss			
Mode		Max.	23.28			Max.	23.35			Max.	23.09		
Date		6/12				6/12				6/12			

Band 2 (1900MHz Band) (dBm) Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.57	23.59	23.61	24.5
20	QPSK	1	49	23.58	23.60	23.68	
20	QPSK	1	99	23.56	23.54	23.60	
20	QPSK	50	0	22.67	22.70	22.71	23.5
20	QPSK	50	24	22.66	22.71	22.75	
20	QPSK	50	50	22.61	22.56	22.62	
20	QPSK	100	0	22.63	22.56	22.64	23.5
20	16QAM	1	0	22.73	22.73	22.80	
20	16QAM	1	49	22.82	22.77	22.86	
20	16QAM	1	99	22.81	22.80	22.83	22.5
20	16QAM	50	0	21.59	21.63	21.69	
20	16QAM	50	24	21.63	21.64	21.65	
20	16QAM	50	50	21.57	21.55	21.59	22.5
20	16QAM	100	0	21.58	21.61	21.62	
20	64QAM	1	0	21.70	21.66	21.75	
20	64QAM	1	49	21.68	21.70	21.72	22.5
20	64QAM	1	99	21.64	21.61	21.71	
20	64QAM	50	0	20.60	20.63	20.65	
20	64QAM	50	24	20.63	20.65	20.67	21.5
20	64QAM	50	50	20.49	20.47	20.55	
20	64QAM	100	0	20.58	20.50	20.60	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.53	23.56	23.58	24.5
15	QPSK	1	37	23.49	23.59	23.67	
15	QPSK	1	74	23.50	23.45	23.59	
15	QPSK	36	0	22.59	22.62	22.67	23.5
15	QPSK	36	20	22.65	22.68	22.66	
15	QPSK	36	39	22.52	22.52	22.55	
15	QPSK	75	0	22.60	22.54	22.61	23.5
15	16QAM	1	0	22.68	22.69	22.74	
15	16QAM	1	37	22.72	22.72	22.81	
15	16QAM	1	74	22.79	22.70	22.81	22.5
15	16QAM	36	0	21.53	21.60	21.68	
15	16QAM	36	20	21.54	21.54	21.60	
15	16QAM	36	39	21.55	21.50	21.57	22.5
15	16QAM	75	0	21.52	21.59	21.59	
15	64QAM	1	0	21.68	21.57	21.74	
15	64QAM	1	37	21.60	21.65	21.64	22.5
15	64QAM	1	74	21.55	21.56	21.65	
15	64QAM	36	0	20.59	20.54	20.64	
15	64QAM	36	20	20.53	20.63	20.66	21.5
15	64QAM	36	39	20.48	20.46	20.51	
15	64QAM	75	0	20.56	20.45	20.52	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.51	23.53	23.58	24.5
10	QPSK	1	25	23.56	23.56	23.61	
10	QPSK	1	49	23.51	23.49	23.55	
10	QPSK	25	0	22.63	22.68	22.70	23.5
10	QPSK	25	12	22.61	22.66	22.68	
10	QPSK	25	25	22.59	22.53	22.53	
10	QPSK	50	0	22.57	22.49	22.58	23.5
10	16QAM	1	0	22.64	22.71	22.71	
10	16QAM	1	25	22.78	22.75	22.85	
10	16QAM	1	49	22.76	22.78	22.73	22.5
10	16QAM	25	0	21.50	21.55	21.65	
10	16QAM	25	12	21.62	21.57	21.63	
10	16QAM	25	25	21.51	21.45	21.53	22.5
10	16QAM	50	0	21.48	21.54	21.58	
10	64QAM	1	0	21.64	21.62	21.69	
10	64QAM	1	25	21.62	21.60	21.66	22.5
10	64QAM	1	49	21.58	21.52	21.62	
10	64QAM	25	0	20.58	20.53	20.63	
10	64QAM	25	12	20.56	20.55	20.65	21.5
10	64QAM	25	25	20.44	20.41	20.46	
10	64QAM	50	0	20.48	20.41	20.56	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.49	23.51	23.58	24.5
5	QPSK	1	12	23.52	23.54	23.63	
5	QPSK	1	24	23.49	23.45	23.53	
5	QPSK	12	0	22.66	22.68	22.69	23.5
5	QPSK	12	7	22.59	22.64	22.67	
5	QPSK	12	13	22.55	22.48	22.58	
5	QPSK	25	0	22.53	22.50	22.61	23.5
5	16QAM	1	0	22.67	22.64	22.78	
5	16QAM	1	12	22.75	22.73	22.83	
5	16QAM	1	24	22.77	22.77	22.82	22.5
5	16QAM	12	0	21.57	21.58	21.65	
5	16QAM	12	7	21.55	21.61	21.63	
5	16QAM	12	13	21.48	21.54	21.55	22.5
5	16QAM	25	0	21.48	21.56	21.58	
5	64QAM	1	0	21.64	21.62	21.66	
5	64QAM	1	12	21.60	21.62	21.71	22.5
5	64QAM	1	24	21.54	21.53	21.63	
5	64QAM	12	0	20.55	20.62	20.64	
5	64QAM	12	7	20.57	20.56	20.61	21.5
5	64QAM	12	13	20.39	20.38	20.51	
5	64QAM	25	0	20.49	20.49	20.58	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.49	23.57	23.55	24.5
3	QPSK	1	8	23.51	23.57	23.66	
3	QPSK	1	14	23.53	23.44	23.57	
3	QPSK	8	0	22.59	22.68	22.68	23.5
3	QPSK	8	4	22.57	22.70	22.74	
3	QPSK	8	7	22.59	22.48	22.55	
3	QPSK	15	0	22.58	22.50	22.59	

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.74	23.76	23.68	24.5		
20	QPSK	1	49	23.77	23.80	23.76			
20	QPSK	1	99	23.59	23.61	23.57			
20	QPSK	50	0	22.69	22.78	22.71	23.5		
20	QPSK	50	24	22.75	22.83	22.79			
20	QPSK	50	50	22.79	22.81	22.77			
20	QPSK	100	0	22.69	22.78	22.77	23.5		
20	16QAM	1	0	22.89	22.91	22.89			
20	16QAM	1	49	22.90	22.93	22.85			
20	16QAM	1	99	22.77	22.80	22.75	22.5		
20	16QAM	50	0	21.78	21.79	21.70			
20	16QAM	50	24	21.80	21.83	21.77			
20	16QAM	50	50	21.63	21.73	21.65	22.5		
20	16QAM	100	0	21.70	21.79	21.75			
20	64QAM	1	0	21.80	21.86	21.78			
20	64QAM	1	49	21.85	21.89	21.83	22.5		

3	16QAM	1	0	22.70	22.72	22.70	23.5
3	16QAM	1	8	22.78	22.68	22.83	
3	16QAM	1	14	22.71	22.73	22.80	
3	16QAM	8	0	21.57	21.59	21.59	22.5
3	16QAM	8	4	21.56	21.59	21.62	
3	16QAM	8	7	21.53	21.48	21.55	
3	16QAM	15	0	21.52	21.59	21.56	22.5
3	64QAM	1	0	21.66	21.56	21.66	
3	64QAM	1	8	21.59	21.61	21.62	
3	64QAM	1	14	21.60	21.60	21.68	21.5
3	64QAM	8	0	20.50	20.59	20.56	
3	64QAM	8	4	20.60	20.62	20.60	
3	64QAM	8	7	20.48	20.41	20.48	21.5
3	64QAM	15	0	20.51	20.40	20.57	
Channel				1860.7	1890.0	1919.3	Tune-up limit (dBm)
Frequency (MHz)				1860.7	1890.0	1919.3	
1.4	QPSK	1	0	23.49	23.57	23.57	
1.4	QPSK	1	3	23.53	23.58	23.67	24.5
1.4	QPSK	1	5	23.46	23.45	23.54	
1.4	QPSK	3	0	23.37	23.47	23.43	
1.4	QPSK	3	1	23.40	23.43	23.52	23.5
1.4	QPSK	3	3	23.36	23.30	23.40	
1.4	QPSK	6	0	22.56	22.47	22.57	
1.4	16QAM	1	0	22.67	22.67	22.76	23.5
1.4	16QAM	1	3	22.81	22.74	22.77	
1.4	16QAM	1	5	22.77	22.71	22.82	
1.4	16QAM	3	0	22.34	22.34	22.39	22.5
1.4	16QAM	3	1	22.33	22.40	22.38	
1.4	16QAM	3	3	22.28	22.32	22.30	
1.4	16QAM	6	0	21.48	21.53	21.53	22.5
1.4	64QAM	1	0	21.63	21.57	21.73	
1.4	64QAM	1	3	21.60	21.60	21.67	
1.4	64QAM	1	5	21.54	21.57	21.65	21.5
1.4	64QAM	3	0	21.39	21.41	21.42	
1.4	64QAM	3	1	21.39	21.37	21.46	
1.4	64QAM	3	3	21.27	21.20	21.26	21.5
1.4	64QAM	6	0	20.56	20.41	20.53	
1.4	64QAM	6	0	20.56	20.41	20.53	

3	16QAM	1	0	22.86	22.83	22.80	23.5
3	16QAM	1	8	22.89	22.91	22.81	
3	16QAM	1	14	22.69	22.70	22.74	
3	16QAM	8	0	21.72	21.73	21.66	22.5
3	16QAM	8	4	21.71	21.81	21.68	
3	16QAM	8	7	21.58	21.68	21.56	
3	16QAM	15	0	21.66	21.70	21.73	22.5
3	64QAM	1	0	21.71	21.80	21.68	
3	64QAM	1	8	21.83	21.83	21.78	
3	64QAM	1	14	21.51	21.62	21.53	21.5
3	64QAM	8	0	20.71	20.77	20.71	
3	64QAM	8	4	20.63	20.81	20.70	
3	64QAM	8	7	20.66	20.71	20.62	21.5
3	64QAM	15	0	20.72	20.77	20.66	
Channel				1996.7	2017.5	2039.3	Tune-up limit (dBm)
Frequency (MHz)				1716.7	1732.5	1754.3	
1.4	QPSK	1	0	23.70	23.67	23.65	
1.4	QPSK	1	3	23.71	23.75	23.66	24.5
1.4	QPSK	1	5	23.57	23.59	23.56	
1.4	QPSK	3	0	23.60	23.66	23.56	
1.4	QPSK	3	1	23.58	23.65	23.54	23.5
1.4	QPSK	3	3	23.62	23.65	23.55	
1.4	QPSK	6	0	22.59	22.72	22.69	
1.4	16QAM	1	0	22.86	22.87	22.87	23.5
1.4	16QAM	1	3	22.82	22.88	22.79	
1.4	16QAM	1	5	22.68	22.76	22.71	
1.4	16QAM	3	0	22.53	22.57	22.49	22.5
1.4	16QAM	3	1	22.57	22.64	22.52	
1.4	16QAM	3	3	22.43	22.50	22.45	
1.4	16QAM	6	0	21.66	21.69	21.68	22.5
1.4	64QAM	1	0	21.73	21.77	21.73	
1.4	64QAM	1	3	21.82	21.79	21.80	
1.4	64QAM	1	5	21.58	21.65	21.53	22.5
1.4	64QAM	3	0	21.53	21.63	21.56	
1.4	64QAM	3	1	21.51	21.63	21.56	
1.4	64QAM	3	3	21.48	21.55	21.47	21.5
1.4	64QAM	6	0	20.65	20.77	20.68	
1.4	64QAM	6	0	20.65	20.77	20.68	

Band 5 (Celluar Band) (dBm) Part 22H(only on channel required)								
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	24.23	24.27	24.24	25	
10	QPSK	1	25	24.29	24.35	24.31		
10	QPSK	1	49	24.13	24.21	24.20		
10	QPSK	25	0	23.27	23.37	23.34	24	
10	QPSK	25	12	23.35	23.39	23.35		
10	QPSK	25	25	23.28	23.38	23.37		
10	QPSK	50	0	23.23	23.32	23.31	24	
10	16QAM	1	0	23.37	23.42	23.34		
10	16QAM	1	25	23.33	23.40	23.33		
10	16QAM	1	49	23.37	23.39	23.30	23	
10	16QAM	25	0	22.36	22.38	22.28		
10	16QAM	25	12	22.28	22.35	22.26		
10	16QAM	25	25	22.26	22.33	22.28	23	
10	16QAM	50	0	22.33	22.35	22.25		
10	64QAM	1	0	22.38	22.44	22.34		
10	64QAM	1	25	22.36	22.41	22.36	23	
10	64QAM	1	49	22.37	22.39	22.34		
10	64QAM	25	0	21.30	21.33	21.24		
10	64QAM	25	12	21.26	21.28	21.21	22	
10	64QAM	25	25	21.25	21.30	21.21		
10	64QAM	50	0	21.25	21.29	21.21		
Channel				20425	20525	20625	Tune-up limit (dBm)	
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.17	24.18	24.19	25	
5	QPSK	1	12	24.24	24.30	24.27		
5	QPSK	1	24	24.03	24.20	24.14		
5	QPSK	12	0	23.26	23.35	23.31	24	
5	QPSK	12	7	23.29	23.31	23.29		
5	QPSK	12	13	23.26	23.37	23.30		
5	QPSK	25	0	23.19	23.22	23.24	24	
5	16QAM	1	0	23.30	23.41	23.28		
5	16QAM	1	12	23.26	23.37	23.25		
5	16QAM	1	24	23.30	23.37	23.26	23	
5	16QAM	12	0	22.33	22.28	22.18		
5	16QAM	12	7	22.24	22.25	22.23		
5	16QAM	12	13	22.25	22.26	22.24	23	
5	16QAM	25	0	22.23	22.29	22.23		
5	64QAM	1	0	22.37	22.38	22.25		
5	64QAM	1	12	22.29	22.39	22.31	23	
5	64QAM	1	24	22.28	22.34	22.27		
5	64QAM	12	0	21.29	21.30	21.15		
5	64QAM	12	7	21.24	21.18	21.16	22	
5	64QAM	12	13	21.17	21.21	21.20		
5	64QAM	25	0	21.20	21.26	21.14		
Channel				20415	20525	20635	Tune-up limit (dBm)	
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.21	24.17	24.19	25	
3	QPSK	1	8	24.24	24.30	24.21		
3	QPSK	1	14	24.08	24.17	24.11		
3	QPSK	8	0	23.24	23.31	23.33	24	
3	QPSK	8	4	23.30	23.36	23.30		
3	QPSK	8	7	23.23	23.31	23.29		
3	QPSK	15	0	23.20	23.29	23.26	24	
3	16QAM	1	0	23.29	23.39	23.29		
3	16QAM	1	8	23.28	23.31	23.29		
3	16QAM	1	14	23.27	23.38	23.27	23	
3	16QAM	8	0	22.32	22.28	22.26		
3	16QAM	8	4	22.18	22.26	22.19		
3	16QAM	8	7	22.25	22.28	22.24	23	
3	16QAM	15	0	22.32	22.30	22.22		
3	64QAM	1	0	22.37	22.42	22.27		
3	64QAM	1	8	22.33	22.32	22.31	23	
3	64QAM	1	14	22.30	22.36	22.33		
3	64QAM	8	0	21.25	21.26	21.22		
3	64QAM	8	4	21.17	21.23	21.19	22	
3	64QAM	8	7	21.21	21.27	21.19		
3	64QAM	15	0	21.17	21.23	21.16		
Channel				20407	20525	20643	Tune-up limit (dBm)	
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.22	24.25	24.18	25	
1.4	QPSK	1	3	24.19	24.26	24.28		
1.4	QPSK	1	5	24.06	24.14	24.17		
1.4	QPSK	3	0	24.06	24.11	24.07	24	
1.4	QPSK	3	1	24.11	24.18	24.07		
1.4	QPSK	3	3	24.00	24.14	24.13		
1.4	QPSK	6	0	23.17	23.25	23.25	24	
1.4	16QAM	1	0	23.33	23.36	23.29		
1.4	16QAM	1	3	23.26	23.32	23.30		
1.4	16QAM	1	5	23.34	23.34	23.21	24	
1.4	16QAM	3	0	23.06	23.10	22.98		
1.4	16QAM	3	1	22.99	23.05	22.96		
1.4	16QAM	3	3	22.98	23.03	22.99	23	
1.4	16QAM	6	0	22.26	22.30	22.21		
1.4	64QAM	1	0	22.32	22.34	22.33		
1.4	64QAM	1	3	22.35	22.35	22.35	23	
1.4	64QAM	1	5	22.30	22.37	22.27		
1.4	64QAM	3	0	22.05	22.06	21.97		
1.4	64QAM	3	1	21.97	22.00	21.99	22	
1.4	64QAM	3	3	21.96	22.07	22.00		
1.4	64QAM	6	0	21.21	21.26	21.20		

Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	25
10	QPSK	1	0	24.11	24.13	24.09	
10	QPSK	1	25	24.10	24.15	24.07	
10	QPSK	1	49	24.07	24.08	24.04	
10	QPSK	25	0	23.11	23.14	23.07	
10	QPSK	25	12	23.12	23.16	23.06	24
10	QPSK	25	25	23.09	23.12	23.04	
10	QPSK	50	0	23.13	23.15	23.11	
10	16QAM	1	0	23.01	23.11	23.01	
10	16QAM	1	25	23.05	23.14	23.08	
10	16QAM	1	49	23.07	23.12	23.02	24
10	16QAM	25	0	22.11	22.14	22.05	
10	16QAM	25	12	22.18	22.19	22.17	
10	16QAM	25	25	22.08	22.16	22.13	
10	16QAM	50	0	22.08	22.15	22.11	
10	64QAM	1	0	22.10	22.20	22.12	23
10	64QAM	1	25	22.13	22.18	22.15	
10	64QAM	1	49	22.17	22.26	22.21	
10	64QAM	25	0	21.23	21.25	21.23	
10	64QAM	25	12	21.22	21.28	21.27	
10	64QAM	25	25	21.14	21.23	21.20	22
10	64QAM	50	0	21.17	21.27	21.25	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.03	24.10	24.05	25
5	QPSK	1	12	24.04	24.13	24.02	
5	QPSK	1	24	24.00	24.07	24.00	
5	QPSK	12	0	23.07	23.06	22.99	
5	QPSK	12	7	23.05	23.14	23.03	
5	QPSK	12	13	23.07	23.11	22.99	24
5	QPSK	25	0	23.03	23.11	23.08	
5	16QAM	1	0	22.95	23.04	22.96	
5	16QAM	1	12	22.95	23.08	23.00	
5	16QAM	1	24	22.98	23.02	23.00	
5	16QAM	12	0	22.09	22.12	21.99	24
5	16QAM	12	7	22.09	22.15	22.10	
5	16QAM	12	13	21.98	22.10	22.07	
5	16QAM	25	0	22.01	22.06	22.05	
5	64QAM	1	0	22.07	22.14	22.06	
5	64QAM	1	12	22.03	22.12	22.10	23
5	64QAM	1	24	22.10	22.18	22.15	
5	64QAM	12	0	21.21	21.15	21.16	
5	64QAM	12	7	21.14	21.26	21.26	
5	64QAM	12	13	21.09	21.14	21.11	
5	64QAM	25	0	21.12	21.26	21.18	22
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)
3	QPSK	1	0	24.10	24.06	24.00	25
3	QPSK	1	8	24.09	24.08	23.91	
3	QPSK	1	14	24.00	24.02	23.04	
3	QPSK	8	0	23.01	23.10	23.01	
3	QPSK	8	4	23.09	23.11	23.00	
3	QPSK	8	7	23.05	23.08	22.95	24
3	QPSK	15	0	23.09	23.09	23.06	
3	16QAM	1	0	23.00	23.08	22.92	
3	16QAM	1	8	22.95	23.10	22.98	
3	16QAM	1	14	23.05	23.07	22.97	
3	16QAM	8	0	22.01	22.13	21.99	24
3	16QAM	8	4	22.12	22.10	22.16	
3	16QAM	8	7	22.07	22.10	22.06	
3	16QAM	15	0	22.00	22.13	22.10	
3	64QAM	1	0	22.09	22.14	22.05	
3	64QAM	1	8	22.12	22.11	22.08	23
3	64QAM	1	14	22.13	22.23	22.12	
3	64QAM	8	0	21.19	21.17	21.19	
3	64QAM	8	4	21.19	21.20	21.17	
3	64QAM	8	7	21.08	21.19	21.17	
3	64QAM	15	0	21.08	21.23	21.22	22
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)
1.4	QPSK	1	0	24.09	24.11	24.00	25
1.4	QPSK	1	3	24.07	24.11	24.00	
1.4	QPSK	1	5	24.03	24.05	23.96	
1.4	QPSK	3	0	23.87	23.86	23.86	
1.4	QPSK	3	1	23.88	23.94	23.84	
1.4	QPSK	3	3	23.84	23.87	23.77	24
1.4	QPSK	6	0	23.03	23.10	23.04	
1.4	16QAM	1	0	22.98	23.02	23.00	
1.4	16QAM	1	3	22.99	23.06	23.06	
1.4	16QAM	1	5	23.03	23.08	22.99	
1.4	16QAM	3	0	22.82	22.86	22.84	24
1.4	16QAM	3	1	22.93	22.95	22.92	
1.4	16QAM	3	3	22.85	22.93	22.87	
1.4	16QAM	6	0	21.98	22.05	22.10	
1.4	64QAM	1	0	22.08	22.14	22.03	
1.4	64QAM	1	3	22.08	22.16	22.10	23
1.4	64QAM	1	5	22.15	22.23	22.14	
1.4	64QAM	3	0	21.95	21.95	21.93	
1.4	64QAM	3	1	22.00	21.98	22.04	
1.4	64QAM	3	3	21.85	21.98	21.92	
1.4	64QAM	6	0	21.08	21.25	21.18	22

Band 13(700MHz Band) (dBm) Part 27F							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		24.30		25
10	QPSK	1	25		24.28		
10	QPSK	1	49		24.18		
10	QPSK	25	0		23.32		
10	QPSK	25	12		23.33		24
10	QPSK	25	25		23.30		
10	QPSK	50	0		23.34		
10	16QAM	1	0		23.32		
10	16QAM	1	25		23.39		24
10	16QAM	1	49		23.35		
10	16QAM	25	0		22.26		
10	16QAM	25	12		22.30		
10	16QAM	25	25		22.28		23
10	16QAM	50	0		22.27		
10	64QAM	1	0		22.22		
10	64QAM	1	25		22.30		
10	64QAM	1	49		22.26		23
10	64QAM	25	0		21.23		
10	64QAM	25	12		21.32		
10	64QAM	25	25		21.26		
10	64QAM	50	0		21.28		22
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	24.23	24.24	24.20	25
5	QPSK	1	12	24.18	24.23	24.26	
5	QPSK	1	24	24.08	24.08	24.12	
5	QPSK	12	0	23.29	23.23	23.24	
5	QPSK	12	7	23.28	23.26	23.28	24
5	QPSK	12	13	23.22	23.29	23.27	
5	QPSK	25	0	23.27	23.26	23.30	
5	16QAM	1	0	23.28	23.27	23.25	
5	16QAM	1	12	23.29	23.29	23.36	24
5	16QAM	1	24	23.33	23.30	23.27	
5	16QAM	12	0	22.19	22.20	22.16	
5	16QAM	12	7	22.23	22.22	22.26	
5	16QAM	12	13	22.26	22.27	22.24	23
5	16QAM	25	0	22.18	22.20	22.18	
5	64QAM	1	0	22.17	22.15	22.20	
5	64QAM	1	12	22.22	22.21	22.25	
5	64QAM	1	24	22.20	22.17	22.17	23
5	64QAM	12	0	21.16	21.14	21.18	
5	64QAM	12	7	21.28	21.24	21.24	
5	64QAM	12	13	21.22	21.21	21.25	
5	64QAM	25	0	21.25	21.20	21.26	22

Band 66 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	24.5
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.77	23.65	23.60	24.5
20	QPSK	1	49	23.83	23.80	23.77	
20	QPSK	1	99	23.74	23.65	23.69	
20	QPSK	50	0	22.84	22.77	22.75	
20	QPSK	50	24	22.87	22.83	22.81	23.5
20	QPSK	50	50	22.82	22.78	22.72	
20	QPSK	100	0	22.85	22.77	22.81	
20	16QAM	1	0	22.88	22.83	22.80	
20	16QAM	1	49	22.93	22.92	22.91	23.5
20	16QAM	1	99	22.85	22.82	22.78	
20	16QAM	50	0	21.80	21.77	21.75	
20	16QAM	50	24	21.84	21.82	21.74	
20	16QAM	50	50	21.79	21.69	21.75	22.5
20	16QAM	100	0	21.81	21.76	21.79	
20	64QAM	1	0	21.83	21.74	21.79	
20	64QAM	1	49	21.88	21.87	21.84	
20	64QAM	1	99	21.80	21.79	21.79	21.5
20	64QAM	50	0	20.83	20.74	20.77	
20	64QAM	50	24	20.86	20.82	20.77	
20	64QAM	50	50	20.81	20.78	20.73	
20	64QAM	100	0	20.82	20.73	20.72	21.5
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	24.5
15	QPSK	1	0	23.68	23.63	23.55	
15	QPSK	1	37	23.77	23.75	23.71	24.5
15	QPSK	1	74	23.70	23.59	23.66	
15	QPSK	36	0	22.82	22.70	22.66	
15	QPSK	36	20	22.78	22.76	22.79	
15	QPSK	36	39	22.77	22.70	22.64	23.5
15	QPSK	75	0	22.81	22.68	22.76	
15	16QAM	1	0	22.80	22.81	22.74	
15	16QAM	1	37	22.89	22.91	22.81	
15	16QAM	1	74	22.82	22.72	22.77	23.5
15	16QAM	36	0	21.71	21.68	21.69	
15	16QAM	36	20	21.80	21.79	21.73	
15	16QAM	36	39	21.74	21.67	21.72	
15	16QAM	75	0	21.75	21.74	21.72	22.5
15	64QAM	1	0	21.80	21.70	21.73	
15	64QAM	1	37	21.83	21.82	21.77	
15	64QAM	1	74	21.77	21.78	21.74	
15	64QAM	36	0	20.80	20.70	20.72	21.5
15	64QAM	36	20	20.82	20.76	20.75	
15	64QAM	36	39	20.80	20.75	20.71	
15	64QAM	75	0	20.77	20.71	20.62	
Channel				132022	132322	132622	24.5
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.76	23.56	23.50	24.5
10	QPSK	1	25	23.76	23.79	23.71	
10	QPSK	1	49	23.69	23.58	23.66	
10	QPSK	25	0	22.82	22.72	22.74	
10	QPSK	25	12	22.83	22.77	22.79	23.5
10	QPSK	25	25	22.78	22.77	22.64	
10	QPSK	50	0	22.79	22.75	22.73	
10	16QAM	1	0	22.78	22.81	22.71	
10	16QAM	1	25	22.88	22.90	22.89	23.5
10	16QAM	1	49	22.81	22.80	22.75	
10	16QAM	25	0	21.76	21.74	21.66	
10	16QAM	25	12	21.83	21.79	21.64	
10	16QAM	25	25	21.72	21.64	21.70	22.5
10	16QAM	50	0	21.77	21.75	21.71	
10	64QAM	1	0	21.74	21.71	21.73	
10	64QAM	1	25	21.81	21.80	21.81	
10	64QAM	1	49	21.71	21.75	21.69	21.5
10	64QAM	25	0	20.73	20.67	20.74	
10	64QAM	25	12	20.76	20.76	20.71	
10	64QAM	25	25	20.77	20.71	20.64	
10	64QAM	50	0	20.74	20.65	20.68	21.5
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	24.5
5	QPSK	1	0	23.74	23.64	23.59	
5	QPSK	1	12	23.73	23.77	23.74	24.5
5	QPSK	1	24	23.68	23.59	23.66	
5	QPSK	12	0	22.75	22.76	22.67	
5	QPSK	12	7	22.79	22.79	22.73	
5	QPSK	12	13	22.79	22.76	22.62	23.5
5	QPSK	25	0	22.76	22.68	22.73	
5	16QAM	1	0	22.86	22.82	22.71	
5	16QAM	1	12	22.92	22.85	22.88	
5	16QAM	1	24	22.80	22.81	22.75	22.5
5	16QAM	12	0	21.79	21.75	21.69	
5	16QAM	12	7	21.81	21.81	21.64	
5	16QAM	12	13	21.77	21.59	21.67	
5	16QAM	25	0	21.71	21.71	21.75	22.5
5	64QAM	1	0	21.74	21.71	21.78	
5	64QAM	1	12	21.81	21.85	21.83	
5	64QAM	1	24	21.73	21.73	21.69	
5	64QAM	12	0	20.80	20.68	20.75	21.5
5	64QAM	12	7	20.81	20.77	20.74	
5	64QAM	12	13	20.74	20.76	20.64	
5	64QAM	25	0	20.77	20.64	20.70	
Channel				131987	132322	132657	24.5
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.72	23.60	23.56	24.5
3	QPSK	1	8	23.74	23.70	23.69	
3	QPSK	1	14	23.69	23.63	23.62	
3	QPSK	8	0	22.78	22.68	22.72	
3	QPSK	8	4	22.80	22.82	22.77	23.5
3	QPSK	8	7	22.75	22.72	22.63	
3	QPSK	15	0	22.82	22.69	22.77	23.5

3	16QAM	1	0	22.87	22.74	22.75	23.5
3	16QAM	1	8	22.89	22.85	22.89	
3	16QAM	1	14	22.84	22.76	22.72	
3	16QAM	8	0	21.70	21.74	21.74	22.5
3	16QAM	8	4	21.82	21.75	21.72	
3	16QAM	8	7	21.74	21.68	21.73	
3	16QAM	15	0	21.80	21.70	21.78	22.5
3	64QAM	1	0	21.73	21.66	21.70	
3	64QAM	1	8	21.78	21.86	21.78	
3	64QAM	1	14	21.72	21.75	21.78	21.5
3	64QAM	8	0	20.79	20.65	20.72	
3	64QAM	8	4	20.78	20.79	20.76	
3	64QAM	8	7	20.75	20.71	20.64	Tune-up limit (dBm)
3	64QAM	15	0	20.75	20.63	20.63	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	24.5
1.4	QPSK	1	0	23.75	23.63	23.59	
1.4	QPSK	1	3	23.78	23.78	23.71	
1.4	QPSK	1	5	23.71	23.63	23.66	23.5
1.4	QPSK	3	0	23.56	23.53	23.45	
1.4	QPSK	3	1	23.64	23.59	23.56	
1.4	QPSK	3	3	23.58	23.55	23.43	22.5
1.4	QPSK	6	0	22.79	22.75	22.73	
1.4	16QAM	1	0	22.84	22.77	22.71	
1.4	16QAM	1	3	22.85	22.89	22.88	22.5
1.4	16QAM	1	5	22.84	22.76	22.74	
1.4	16QAM	3	0	22.57	22.55	22.45	
1.4	16QAM	3	1	22.59	22.53	22.48	22.5
1.4	16QAM	3	3	22.58	22.42	22.54	
1.4	16QAM	6	0	21.74	21.66	21.73	
1.4	64QAM	1	0	21.76	21.71	21.75	22.5
1.4	64QAM	1	3	21.84	21.81	21.74	
1.4	64QAM	1	5	21.76	21.76	21.69	
1.4	64QAM	3	0	21.60	21.52	21.48	21.5
1.4	64QAM	3	1	21.61	21.54	21.48	
1.4	64QAM	3	3	21.51	21.52	21.49	
1.4	64QAM	6	0	20.78	20.69	20.62	

2.4GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 1	802.11b 1Mbps	CH 1	2412	18.35	19.00	99.57
		CH 6	2437	18.52	19.50	
		CH 11	2462	18.57	19.50	
	802.11g 6Mbps	CH 1	2412	17.74	18.50	97.08
		CH 6	2437	17.81	18.50	
		CH 11	2462	17.97	18.50	
	802.11n-HT20 MCS0	CH 1	2412	17.70	18.50	96.88
		CH 6	2437	17.80	18.50	
		CH 11	2462	17.93	18.50	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	CH 36	5180	17.02	18.00	97.22
		CH 44	5220	16.71	17.50	
		CH 48	5240	16.67	17.50	
	802.11n-HT20 MCS0	CH 36	5180	16.69	17.50	97.01
		CH 44	5220	16.68	17.50	
		CH 48	5240	16.46	17.00	
	802.11n-HT40 MCS0	CH 38	5190	16.09	17.00	94.29
		CH 46	5230	15.84	16.50	
		CH 48	5240	15.84	16.50	
	802.11ac-VHT20 MCS0	CH 36	5180	16.68	17.50	97.06
		CH 44	5220	16.57	17.50	
		CH 48	5240	16.41	17.00	
	802.11ac-VHT40 MCS0	CH 38	5190	16.04	17.00	94.29
		CH 46	5230	15.60	16.50	
		CH 48	5240	15.50	15.50	
	802.11ac-VHT80 MCS0	CH 42	5210	14.69	15.50	88.89

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 1	802.11a 6Mbps	CH 52	5260	16.63	17.50	97.22
		CH 60	5300	16.86	17.50	
		CH 64	5320	16.82	17.50	
	802.11n-HT20 MCS0	CH 52	5260	16.64	17.50	97.01
		CH 60	5300	16.44	17.00	
		CH 64	5320	16.40	17.00	
	802.11n-HT40 MCS0	CH 54	5270	15.60	16.50	94.29
		CH 62	5310	15.46	16.00	
		CH 64	5320	15.46	16.00	
	802.11ac-VHT20 MCS0	CH 52	5260	16.60	17.50	97.06
		CH 60	5300	16.09	17.00	
		CH 64	5320	16.14	17.00	
	802.11ac-VHT40 MCS0	CH 54	5270	15.62	16.50	94.29
		CH 62	5310	16.47	17.00	
		CH 64	5320	14.18	15.00	
	802.11ac-VHT80 MCS0	CH 58	5290	14.18	15.00	84.21

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 1	802.11a 6Mbps	CH 100	5500	17.36	18.00	97.22
		CH 120	5600	17.44	18.00	
		CH 144	5720	17.76	18.50	
	802.11n-HT20 MCS0	CH 100	5500	17.41	18.00	97.01
		CH 120	5600	17.01	18.00	
		CH 144	5720	17.54	18.50	
	802.11n-HT40 MCS0	CH 102	5510	16.24	17.00	94.29
		CH 126	5630	16.35	17.00	
		CH 142	5710	16.50	17.50	
	802.11ac-VHT20 MCS0	CH 100	5500	16.82	17.50	97.06
		CH 120	5600	17.33	18.00	
		CH 144	5720	17.59	18.50	
	802.11ac-VHT40 MCS0	CH 102	5510	16.47	17.00	94.29
		CH 126	5630	16.45	17.00	
		CH 142	5710	17.05	18.00	
	802.11ac-VHT80 MCS0	CH 106	5530	15.26	16.00	89.47
		CH 122	5610	16.79	17.50	
		CH 122	5610	16.79	17.50	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a 6Mbps	CH 149	5745	18.14	18.50	97.22
		CH 157	5785	18.36	18.50	
		CH 165	5825	18.37	18.50	
	802.11n-HT20 MCS0	CH 149	5745	17.60	18.50	97.01
		CH 157	5785	18.00	19.00	
		CH 165	5825	17.85	18.50	
	802.11n-HT40 MCS0	CH 151	5755	16.66	17.50	94.29
		CH 159	5795	16.99	17.50	
		CH 149	5745	17.04	18.00	
	802.11ac-VHT20 MCS0	CH 157	5785	17.21	18.00	97.06
		CH 165	5825	16.72	17.50	
		CH 151	5755	16.89	17.50	
	802.11ac-VHT40 MCS0	CH 159	5795	17.08	18.00	94.29
		CH 155	5775	16.77	17.50	
		CH 155	5775	16.77	17.50	

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
BR / EDR	2402	CH 40	8.79	9.50	6.24	7.00	6.52	7.50
		CH 39	8.40	9.00	6.03	7.00	6.09	7.00
	2409	CH 76	9.64	10.50	6.69	7.50	6.79	7.50
		Duty Cycle %	76.91		76.99		77.04	

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
LE	2402	CH 40	-3.36	-2.90	-4.94	-4.00
		CH 39	-2.99	-2.00	-4.34	-3.50
	2409	CH 39	-2.86	-2.00	-4.42	-3.50
		Duty Cycle %	76.91		76.99	



Reduced Power Level 1

2.4GHz WLAN ANT 1

2.4GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	16.85	17.50	17.50	99.57
		CH 6	2437	17.02	18.00	17.50	
		CH 11	2462	17.07	18.00	17.50	
	802.11g 6Mbps	CH 1	2412	16.24	17.00	17.00	97.08
		CH 6	2437	16.31	17.00	17.00	
		CH 11	2462	16.47	17.00	17.00	
	802.11n-HT20 MCS0	CH 1	2412	16.20	17.00	17.00	96.88
		CH 6	2437	16.30	17.00	17.00	
		CH 11	2462	16.43	17.00	17.00	

5GHz WLAN ANT 1

5.2GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	15.02	16.00	16.00	97.22
		CH 44	5220	14.71	15.50	16.00	
		CH 48	5240	14.67	15.50	16.00	
	802.11n-HT20 MCS0	CH 36	5180	14.69	15.50	15.50	97.01
		CH 44	5220	14.68	15.50	15.50	
		CH 48	5240	14.46	15.00	15.50	
	802.11n-HT40 MCS0	CH 36	5190	14.09	15.00	15.00	94.29
		CH 46	5230	13.84	14.50	15.00	
		CH 36	5180	14.68	15.50	15.50	97.06
	802.11ac-VHT20 MCS0	CH 44	5220	14.57	15.50	15.50	
		CH 48	5240	14.41	15.00	15.50	
	802.11ac-VHT40 MCS0	CH 36	5190	14.04	15.00	15.00	94.29
		CH 46	5230	13.60	14.50	15.00	
		CH 42	5210	12.69	13.50	13.50	88.89

5GHz WLAN ANT 1

5.3GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 52	5260	14.63	15.50	16.00	97.22
		CH 60	5300	14.86	15.50	16.00	
		CH 64	5320	14.82	15.50	16.00	
	802.11n-HT20 MCS0	CH 52	5260	14.64	15.50	15.50	97.01
		CH 60	5300	14.44	15.00	15.50	
		CH 64	5320	14.40	15.00	15.50	
	802.11n-HT40 MCS0	CH 54	5270	13.60	14.50	15.00	94.29
		CH 62	5310	13.46	14.00	15.00	
		CH 52	5260	14.60	15.50	15.50	97.06
	802.11ac-VHT20 MCS0	CH 60	5300	14.09	15.00	15.50	
		CH 64	5320	14.14	15.00	15.50	
	802.11ac-VHT40 MCS0	CH 54	5270	13.62	14.50	15.00	94.29
		CH 62	5310	14.47	15.00	15.00	
		CH 58	5290	12.18	13.00	13.50	84.21

5GHz WLAN ANT 1

5.5GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 100	5500	14.36	15.00	15.00	97.22
		CH 120	5600	14.44	15.00	15.00	
		CH 144	5720	14.76	15.50	15.00	
	802.11n-HT20 MCS0	CH 100	5500	14.41	15.00	14.50	97.01
		CH 120	5600	14.01	15.00	14.50	
		CH 144	5720	14.54	15.50	14.50	
	802.11n-HT40 MCS0	CH 102	5510	13.24	14.00	14.00	94.29
		CH 126	5630	13.35	14.00	14.00	
		CH 142	5710	13.50	14.50	14.00	
	802.11ac-VHT20 MCS0	CH 100	5500	13.82	14.50	14.50	97.06
		CH 120	5600	14.33	15.00	14.50	
		CH 144	5720	14.59	15.50	14.50	
	802.11ac-VHT40 MCS0	CH 102	5510	13.47	14.00	14.00	94.29
		CH 126	5630	13.45	14.00	14.00	
		CH 142	5710	14.05	15.00	14.00	
	802.11ac-VHT80 MCS0	CH 106	5530	12.26	13.00	12.50	89.47
		CH 122	5610	13.79	14.50	14.00	

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	16.14	17.00	16.00	97.22
		CH 157	5785	16.36	17.00	16.00	
		CH 165	5825	16.37	17.00	16.00	
	802.11n-HT20 MCS0	CH 149	5745	15.60	16.50	15.50	97.01
		CH 157	5785	16.00	17.00	15.50	
		CH 165	5825	15.85	16.50	15.50	
	802.11n-HT40 MCS0	CH 151	5755	14.66	15.50	15.00	94.29
		CH 159	5795	14.99	15.50	15.00	
		CH 149	5745	15.04	16.00	15.50	
	802.11ac-VHT20 MCS0	CH 157	5785	15.21	16.00	15.50	97.06
		CH 165	5825	14.72	15.50	15.50	
		CH 151	5755	14.89	15.50	15.00	94.29
	802.11ac-VHT40 MCS0	CH 159	5795	15.08	16.00	15.00	
		CH 155	5775	14.77	15.50	15.00	88.89



Reduced Power Level 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	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	28.10	28.13	28.08	29.00	19.10	19.13	19.08	20.00
GPRS 1 Tx slot	28.11	28.15	28.09	29.00	19.11	19.15	19.09	20.00
GPRS 2 Tx slots	26.58	26.61	26.54	27.50	20.58	20.61	20.54	21.50
GPRS 3 Tx slots	24.56	24.57	24.51	25.50	20.30	20.31	20.25	21.24
GPRS 4 Tx slots	22.52	22.55	22.52	23.50	19.52	19.55	19.52	20.50
EDGE 1 Tx slot	22.94	23.02	22.91	24.00	13.94	14.02	13.91	15.00
EDGE 2 Tx slots	20.91	20.94	20.90	22.00	14.91	14.94	14.90	16.00
EDGE 3 Tx slots	19.00	19.05	18.99	20.00	14.74	14.79	14.73	15.74
EDGE 4 Tx slots	16.99	17.02	16.97	18.00	13.99	14.02	13.97	15.00

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	21.26	21.28	21.24	22.00	20.33	20.35	20.25	21.00
3GPP Rel 5	HSDPA Subtest-1	20.00	19.95	20.01	21.00	19.55	19.53	19.40	20.50
3GPP Rel 5	HSDPA Subtest-2	20.01	19.94	19.94	21.00	19.54	19.47	19.42	20.50
3GPP Rel 5	HSDPA Subtest-3	19.58	19.47	19.42	20.50	19.10	19.03	18.95	20.00
3GPP Rel 5	HSDPA Subtest-4	19.56	19.44	19.39	20.50	19.08	19.02	18.93	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	20.14	20.02	20.01	21.00	19.63	19.58	19.48	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	20.12	20.03	19.97	21.00	19.64	19.60	19.49	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.68	19.58	19.45	20.50	19.19	19.14	19.00	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.66	19.56	19.44	20.50	19.22	19.13	19.00	20.00
3GPP Rel 6	HSUPA Subtest-1	19.62	19.53	19.45	20.00	19.19	19.11	19.04	19.50
3GPP Rel 6	HSUPA Subtest-2	20.06	20.01	20.00	21.00	19.66	19.56	19.51	20.50
3GPP Rel 6	HSUPA Subtest-3	19.13	19.02	19.02	20.00	18.73	18.60	18.56	19.50
3GPP Rel 6	HSUPA Subtest-4	20.10	20.01	20.02	21.00	19.63	19.58	19.43	20.50
3GPP Rel 6	HSUPA Subtest-5	19.13	19.04	19.02	20.00	18.71	18.60	18.57	19.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.13	18.99	18.97	20.00	18.66	18.59	18.52	19.50
Attenuator		Cable Loss				Cable Loss			
Mode		Max.				Max.			
Date		6/12				6/12			

Band 2 (1900MHz Band) (dBm) Part 24E									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	21.07	21.09	21.11	22		
20	QPSK	1	49	21.08	21.10	21.18			
20	QPSK	1	99	21.06	21.04	21.10			
20	QPSK	50	0	20.17	20.20	20.21			
20	QPSK	50	24	20.16	20.21	20.25	21		
20	QPSK	50	50	20.11	20.06	20.12			
20	QPSK	100	0	20.13	20.06	20.14			
20	16QAM	1	0	20.23	20.23	20.30			
20	16QAM	1	49	20.32	20.27	20.36	21		
20	16QAM	1	99	20.31	20.30	20.33			
20	16QAM	50	0	19.09	19.13	19.19			
20	16QAM	50	24	19.13	19.14	19.15			
20	16QAM	50	50	19.07	19.05	19.09	20		
20	16QAM	100	0	19.08	19.11	19.12			
20	64QAM	1	0	19.20	19.16	19.25			
20	64QAM	1	49	19.18	19.20	19.22			
20	64QAM	1	99	19.14	19.11	19.21	20		
20	64QAM	50	0	18.10	18.13	18.15			
20	64QAM	50	24	18.13	18.15	18.17			
20	64QAM	50	50	17.99	17.97	18.05			
20	64QAM	100	0	18.08	18.00	18.10	19		
Channel				18875	18900	19125			
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	21.03	21.06	21.08	22		
15	QPSK	1	37	20.99	21.09	21.17			
15	QPSK	1	74	21.00	20.95	21.09			
15	QPSK	36	0	20.09	20.12	20.17			
15	QPSK	36	20	20.15	20.16	20.16	21		
15	QPSK	36	39	20.02	20.02	20.05			
15	QPSK	75	0	20.10	20.04	20.11			
15	16QAM	1	0	20.18	20.19	20.24			
15	16QAM	1	37	20.22	20.22	20.31	21		
15	16QAM	1	74	20.29	20.20	20.31			
15	16QAM	36	0	19.03	19.10	19.18			
15	16QAM	36	20	19.04	19.04	19.10			
15	16QAM	36	39	19.05	19.00	19.07	20		
15	16QAM	75	0	19.02	19.09	19.09			
15	64QAM	1	0	19.18	19.07	19.24			
15	64QAM	1	37	19.10	19.15	19.14			
15	64QAM	1	74	19.05	19.06	19.15	20		
15	64QAM	36	0	18.09	18.04	18.14			
15	64QAM	36	20	18.03	18.13	18.16			
15	64QAM	36	39	17.98	17.96	18.01			
15	64QAM	75	0	18.06	17.95	18.02	19		
Channel				18650	18900	19150			
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	21.01	21.03	21.08	22		
10	QPSK	1	25	21.06	21.06	21.11			
10	QPSK	1	49	21.01	20.99	21.05			
10	QPSK	25	0	20.13	20.18	20.20			
10	QPSK	25	12	20.11	20.16	20.18	21		
10	QPSK	25	25	20.09	20.03	20.03			
10	QPSK	50	0	20.07	19.99	20.08			
10	16QAM	1	0	20.14	20.21	20.21			
10	16QAM	1	25	20.28	20.25	20.35	21		
10	16QAM	1	49	20.26	20.28	20.23			
10	16QAM	25	0	19.00	19.05	19.15			
10	16QAM	25	12	19.12	19.07	19.13			
10	16QAM	25	25	19.01	18.95	19.03	20		
10	16QAM	50	0	18.98	19.04	19.08			
10	64QAM	1	0	19.14	19.12	19.19			
10	64QAM	1	25	19.12	19.10	19.16			
10	64QAM	1	49	19.08	19.02	19.12	20		
10	64QAM	25	0	18.08	18.03	18.13			
10	64QAM	25	12	18.06	18.05	18.15			
10	64QAM	25	25	17.94	17.91	17.96			
10	64QAM	50	0	17.98	17.91	18.06	19		
Channel				18625	18900	19175			
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	20.99	21.01	21.08	22		
5	QPSK	1	12	21.02	21.04	21.13			
5	QPSK	1	24	20.99	20.95	21.03			
5	QPSK	12	0	20.16	20.18	20.19			
5	QPSK	12	7	20.09	20.14	20.17	21		
5	QPSK	12	13	20.05	19.98	20.08			
5	QPSK	25	0	20.03	20.00	20.11			
5	16QAM	1	0	20.17	20.14	20.28			
5	16QAM	1	12	20.25	20.23	20.33	21		
5	16QAM	1	24	20.27	20.27	20.32			
5	16QAM	12	0	19.07	19.08	19.15			
5	16QAM	12	7	19.05	19.11	19.13			
5	16QAM	12	13	18.98	19.04	19.05	20		
5	16QAM	25	0	18.98	19.06	19.08			
5	64QAM	1	0	19.14	19.12	19.16			
5	64QAM	1	12	19.10	19.12	19.21			
5	64QAM	1	24	19.04	19.03	19.13	20		
5	64QAM	12	0	18.05	18.12	18.14			
5	64QAM	12	7	18.07	18.06	18.11			
5	64QAM	12	13	17.89	17.88	18.01			
5	64QAM	25	0	17.99	17.99	18.08	19		
Channel				18815	18900	19185			
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	20.99	21.07	21.05	22		
3	QPSK	1	8	21.01	21.07	21.16			
3	QPSK	1	14	21.03	20.94	21.07			
3	QPSK	8	0	20.09	20.18	20.18			
3	QPSK	8	4	20.07	20.20	20.24	21		
3	QPSK	8	7	20.09	19.98	20.05			
3	QPSK	15	0	20.08	20.00	20.09			

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	20
20	QPSK	1	0	19.24	19.26	19.18	
20	QPSK	1	49	19.27	19.30	19.26	
20	QPSK	1	99	19.09	19.11	19.07	
20	QPSK	50	0	18.19	18.28	18.21	19
20	QPSK	50	24	18.25	18.33	18.29	
20	QPSK	50	50	18.29	18.31	18.27	
20	QPSK	100	0	18.19	18.28	18.27	
20	16QAM	1	0	18.39	18.41	18.39	19
20	16QAM	1	49	18.40	18.43	18.35	
20	16QAM	1	99	18.27	18.30	18.25	
20	16QAM	50	0	17.28	17.29	17.20	
20	16QAM	50	24	17.30	17.33	17.27	18
20	16QAM	50	50	17.13	17.23	17.15	
20	16QAM	100	0	17.20	17.29	17.25	
20	64QAM	1	0	17.30	17.36	17.28	
20	64QAM	1	49	17.35	17.39	17.33	18
20	64QAM	1	99	17.09	17.19	17.11	
20	64QAM	50	0	16.23	16.29	16.22	
20	64QAM	50	24	16.23	16.32	16.23	
20	64QAM	50	50	16.19	16.29	16.20	17
20	64QAM	100	0	16.23	16.28	16.26	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	19.20	19.25	19.09	20
15	QPSK	1	37	19.25	19.25	19.25	
15	QPSK	1	74	18.99	19.07	18.99	
15	QPSK	36	0	18.25	18.30	18.22	
15	QPSK	36	20	18.17	18.26	18.20	19
15	QPSK	36	39	18.28	18.25	18.17	
15	QPSK	75	0	18.11	18.26	18.26	
15	16QAM	1	0	18.36	18.36	18.36	
15	16QAM	1	37	18.38	18.41	18.29	19
15	16QAM	1	74	18.24	18.27	18.19	
15	16QAM	36	0	17.21	17.27	17.16	
15	16QAM	36	20	17.20	17.23	17.18	
15	16QAM	36	39	17.09	17.21	17.12	18
15	16QAM	75	0	17.11	17.27	17.16	
15	64QAM	1	0	17.26	17.30	17.24	
15	64QAM	1	37	17.28	17.30	17.29	
15	64QAM	1	74	17.08	17.10	17.08	18
15	64QAM	36	0	16.22	16.23	16.19	
15	64QAM	36	20	16.16	16.22	16.13	
15	64QAM	36	39	16.15	16.23	16.14	
15	64QAM	75	0	16.20	16.23	16.18	17
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)
10	QPSK	1	0	19.17	19.19	19.16	20
10	QPSK	1	25	19.26	19.28	19.24	
10	QPSK	1	49	19.07	19.10	19.03	
10	QPSK	25	0	18.19	18.35	18.25	
10	QPSK	25	12	18.19	18.25	18.26	19
10	QPSK	25	25	18.21	18.21	18.24	
10	QPSK	50	0	18.17	18.27	18.22	
10	16QAM	1	0	18.32	18.35	18.31	
10	16QAM	1	25	18.34	18.36	18.34	19
10	16QAM	1	49	18.24	18.24	18.20	
10	16QAM	25	0	17.18	17.19	17.14	
10	16QAM	25	12	17.27	17.31	17.26	
10	16QAM	25	25	17.04	17.17	17.05	18
10	16QAM	50	0	17.17	17.20	17.20	
10	64QAM	1	0	17.23	17.29	17.22	
10	64QAM	1	25	17.28	17.35	17.28	
10	64QAM	1	49	17.02	17.14	17.09	18
10	64QAM	25	0	16.13	16.22	16.16	
10	64QAM	25	12	16.20	16.22	16.14	
10	64QAM	25	25	16.15	16.27	16.19	
10	64QAM	50	0	16.22	16.20	16.25	17
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit (dBm)
5	QPSK	1	0	19.16	19.18	19.17	20
5	QPSK	1	12	19.22	19.25	19.18	
5	QPSK	1	24	19.02	19.07	18.98	
5	QPSK	12	0	18.22	18.29	18.22	
5	QPSK	12	7	18.23	18.31	18.20	19
5	QPSK	12	13	18.28	18.22	18.25	
5	QPSK	25	0	18.14	18.21	18.20	
5	16QAM	1	0	18.32	18.35	18.31	
5	16QAM	1	12	18.37	18.34	18.25	19
5	16QAM	1	24	18.21	18.23	18.21	
5	16QAM	12	0	17.20	17.24	17.17	
5	16QAM	12	7	17.28	17.31	17.24	
5	16QAM	12	13	17.05	17.16	17.07	18
5	16QAM	25	0	17.13	17.26	17.19	
5	64QAM	1	0	17.28	17.30	17.20	
5	64QAM	1	12	17.30	17.36	17.31	
5	64QAM	1	24	17.04	17.14	17.10	18
5	64QAM	12	0	16.14	16.21	16.21	
5	64QAM	12	7	16.16	16.27	16.18	
5	64QAM	12	13	16.17	16.27	16.18	
5	64QAM	25	0	16.22	16.20	16.22	17
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit (dBm)
3	QPSK	1	0	19.15	19.16	19.15	20
3	QPSK	1	8	19.17	19.24	19.24	
3	QPSK	1	14	19.00	19.08	18.99	
3	QPSK	8	0	18.21	18.31	18.30	
3	QPSK	8	4	18.23	18.25	18.24	19
3	QPSK	8	7	18.21	18.21	18.23	
3	QPSK	15	0	18.15	18.27	18.22	

3	16QAM	1	0	20.20	20.22	20.20	21
3	16QAM	1	8	20.28	20.18	20.33	
3	16QAM	1	14	20.21	20.23	20.30	
3	16QAM	8	0	19.07	19.09	19.09	20
3	16QAM	8	4	19.06	19.09	19.12	
3	16QAM	8	7	19.03	18.98	19.05	
3	16QAM	15	0	19.02	19.09	19.06	20
3	64QAM	1	0	19.16	19.06	19.16	
3	64QAM	1	8	19.09	19.11	19.12	
3	64QAM	1	14	19.10	19.10	19.18	19
3	64QAM	8	0	18.00	18.09	18.06	
3	64QAM	8	4	18.10	18.12	18.10	
3	64QAM	8	7	17.98	17.91	17.98	19
3	64QAM	15	0	18.01	17.90	18.07	
Channel				1860.7	1890.0	1919.3	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.99	21.07	21.07	
1.4	QPSK	1	3	21.03	21.08	21.17	22
1.4	QPSK	1	5	20.96	20.95	21.04	
1.4	QPSK	3	0	20.87	20.97	20.93	
1.4	QPSK	3	1	20.90	20.93	21.02	21
1.4	QPSK	3	3	20.86	20.80	20.90	
1.4	QPSK	6	0	20.06	19.97	20.07	
1.4	16QAM	1	0	20.17	20.17	20.26	21
1.4	16QAM	1	3	20.31	20.24	20.27	
1.4	16QAM	1	5	20.27	20.21	20.32	
1.4	16QAM	3	0	19.84	19.84	19.89	20
1.4	16QAM	3	1	19.83	19.90	19.88	
1.4	16QAM	3	3	19.78	19.82	19.80	
1.4	16QAM	6	0	18.98	19.03	19.03	20
1.4	64QAM	1	0	19.13	19.07	19.23	
1.4	64QAM	1	3	19.10	19.10	19.17	
1.4	64QAM	1	5	19.04	19.07	19.15	20
1.4	64QAM	3	0	18.89	18.91	18.92	
1.4	64QAM	3	1	18.89	18.87	18.96	
1.4	64QAM	3	3	18.77	18.70	18.76	19
1.4	64QAM	6	0	18.06	17.91	18.03	

3	16QAM	1	0	18.36	18.33	18.30	19
3	16QAM	1	8	18.39	18.41	18.31	
3	16QAM	1	14	18.19	18.20	18.24	
3	16QAM	8	0	17.22	17.23	17.16	18
3	16QAM	8	4	17.21	17.31	17.18	
3	16QAM	8	7	17.08	17.18	17.06	
3	16QAM	15	0	17.16	17.20	17.23	18
3	64QAM	1	0	17.21	17.30	17.18	
3	64QAM	1	8	17.33	17.33	17.28	
3	64QAM	1	14	17.01	17.12	17.03	17
3	64QAM	8	0	16.21	16.27	16.21	
3	64QAM	8	4	16.13	16.31	16.20	
3	64QAM	8	7	16.16	16.21	16.12	17
3	64QAM	15	0	16.22	16.27	16.16	
Channel				1996.7	2017.5	2039.3	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.20	19.17	19.15	
1.4	QPSK	1	3	19.21	19.25	19.16	20
1.4	QPSK	1	5	19.07	19.09	19.06	
1.4	QPSK	3	0	19.10	19.16	19.06	
1.4	QPSK	3	1	19.08	19.15	19.04	19
1.4	QPSK	3	3	19.12	19.15	19.05	
1.4	QPSK	6	0	18.09	18.22	18.19	
1.4	16QAM	1	0	18.36	18.37	18.37	19
1.4	16QAM	1	3	18.32	18.38	18.29	
1.4	16QAM	1	5	18.18	18.26	18.21	
1.4	16QAM	3	0	18.03	18.07	17.99	18
1.4	16QAM	3	1	18.07	18.14	18.02	
1.4	16QAM	3	3	17.93	18.00	17.95	
1.4	16QAM	6	0	17.16	17.19	17.18	18
1.4	64QAM	1	0	17.23	17.27	17.23	
1.4	64QAM	1	3	17.32	17.29	17.30	
1.4	64QAM	1	5	17.08	17.15	17.03	18
1.4	64QAM	3	0	17.03	17.13	17.06	
1.4	64QAM	3	1	17.01	17.13	17.06	
1.4	64QAM	3	3	16.98	17.05	16.97	17
1.4	64QAM	6	0	16.15	16.27	16.18	

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	19.27	19.15	19.10	20
20	QPSK	1	49	19.33	19.30	19.27	
20	QPSK	1	99	19.24	19.15	19.19	
20	QPSK	50	0	18.34	18.27	18.25	19
20	QPSK	50	24	18.37	18.33	18.31	
20	QPSK	50	50	18.32	18.28	18.22	
20	QPSK	100	0	18.35	18.27	18.31	19
20	16QAM	1	0	18.38	18.33	18.30	
20	16QAM	1	49	18.43	18.42	18.41	
20	16QAM	1	99	18.35	18.32	18.28	18
20	16QAM	50	0	17.30	17.27	17.25	
20	16QAM	50	24	17.34	17.32	17.24	
20	16QAM	50	50	17.29	17.19	17.25	18
20	16QAM	100	0	17.31	17.26	17.29	
20	64QAM	1	0	17.33	17.24	17.29	
20	64QAM	1	49	17.38	17.37	17.34	18
20	64QAM	1	99	17.30	17.29	17.29	
20	64QAM	50	0	16.33	16.24	16.27	17
20	64QAM	50	24	16.36	16.32	16.27	
20	64QAM	50	50	16.31	16.28	16.23	
20	64QAM	100	0	16.32	16.23	16.22	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)
15	QPSK	1	0	19.18	19.13	19.05	20
15	QPSK	1	37	19.27	19.25	19.21	
15	QPSK	1	74	19.20	19.09	19.16	
15	QPSK	36	0	18.32	18.20	18.16	19
15	QPSK	36	20	18.28	18.26	18.29	
15	QPSK	36	39	18.27	18.20	18.14	
15	QPSK	75	0	18.31	18.18	18.26	19
15	16QAM	1	0	18.30	18.31	18.24	
15	16QAM	1	37	18.39	18.41	18.31	
15	16QAM	1	74	18.32	18.22	18.27	18
15	16QAM	36	0	17.21	17.18	17.19	
15	16QAM	36	20	17.30	17.29	17.23	
15	16QAM	36	39	17.24	17.17	17.22	18
15	16QAM	75	0	17.25	17.24	17.22	
15	64QAM	1	0	17.30	17.20	17.23	
15	64QAM	1	37	17.33	17.32	17.27	18
15	64QAM	1	74	17.27	17.28	17.24	
15	64QAM	36	0	16.30	16.20	16.22	17
15	64QAM	36	20	16.32	16.26	16.25	
15	64QAM	36	39	16.30	16.25	16.21	
15	64QAM	75	0	16.27	16.21	16.12	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)
10	QPSK	1	0	19.26	19.06	19.00	20
10	QPSK	1	25	19.26	19.29	19.21	
10	QPSK	1	49	19.19	19.08	19.16	
10	QPSK	25	0	18.32	18.22	18.24	19
10	QPSK	25	12	18.33	18.27	18.29	
10	QPSK	25	25	18.28	18.27	18.14	
10	QPSK	50	0	18.29	18.25	18.23	19
10	16QAM	1	0	18.28	18.31	18.21	
10	16QAM	1	25	18.38	18.40	18.39	
10	16QAM	1	49	18.31	18.30	18.25	18
10	16QAM	25	0	17.26	17.24	17.16	
10	16QAM	25	12	17.33	17.29	17.14	
10	16QAM	25	25	17.22	17.14	17.20	18
10	16QAM	50	0	17.27	17.25	17.21	
10	64QAM	1	0	17.24	17.21	17.23	
10	64QAM	1	25	17.31	17.30	17.31	18
10	64QAM	1	49	17.21	17.25	17.19	
10	64QAM	25	0	16.23	16.17	16.24	17
10	64QAM	25	12	16.26	16.28	16.21	
10	64QAM	25	25	16.27	16.21	16.14	
10	64QAM	50	0	16.24	16.15	16.18	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)
5	QPSK	1	0	19.24	19.14	19.09	20
5	QPSK	1	12	19.23	19.27	19.24	
5	QPSK	1	24	19.18	19.09	19.16	
5	QPSK	12	0	18.25	18.26	18.17	19
5	QPSK	12	7	18.29	18.29	18.23	
5	QPSK	12	13	18.29	18.26	18.12	
5	QPSK	25	0	18.26	18.18	18.23	19
5	16QAM	1	0	18.36	18.32	18.21	
5	16QAM	1	12	18.42	18.35	18.38	
5	16QAM	1	24	18.30	18.31	18.25	18
5	16QAM	12	0	17.29	17.25	17.19	
5	16QAM	12	7	17.31	17.31	17.14	
5	16QAM	12	13	17.27	17.09	17.17	18
5	16QAM	25	0	17.21	17.21	17.25	
5	64QAM	1	0	17.24	17.21	17.28	
5	64QAM	1	12	17.31	17.35	17.33	18
5	64QAM	1	24	17.23	17.23	17.19	
5	64QAM	12	0	16.30	16.18	16.25	17
5	64QAM	12	7	16.31	16.27	16.24	
5	64QAM	12	13	16.24	16.26	16.14	
5	64QAM	25	0	16.27	16.14	16.20	
Channel				131967	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)
3	QPSK	1	0	19.22	19.10	19.06	20
3	QPSK	1	8	19.24	19.20	19.19	
3	QPSK	1	14	19.19	19.13	19.12	
3	QPSK	8	0	18.28	18.18	18.22	19
3	QPSK	8	4	18.30	18.32	18.27	
3	QPSK	8	7	18.25	18.22	18.13	
3	QPSK	15	0	18.32	18.19	18.27	



3	16QAM	1	0	18.37	18.24	18.25	19
3	16QAM	1	8	18.39	18.35	18.39	
3	16QAM	1	14	18.34	18.26	18.22	
3	16QAM	8	0	17.20	17.24	17.24	18
3	16QAM	8	4	17.32	17.25	17.22	
3	16QAM	8	7	17.24	17.18	17.23	
3	16QAM	15	0	17.30	17.20	17.28	18
3	64QAM	1	0	17.23	17.16	17.20	
3	64QAM	1	8	17.28	17.36	17.28	
3	64QAM	1	14	17.22	17.25	17.28	17
3	64QAM	8	0	16.29	16.15	16.22	
3	64QAM	8	4	16.28	16.29	16.26	
3	64QAM	8	7	16.25	16.21	16.14	
3	64QAM	15	0	16.25	16.13	16.13	Turn-up limit (dBm)
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.25	19.13	19.09	20
1.4	QPSK	1	3	19.28	19.28	19.21	
1.4	QPSK	1	5	19.21	19.13	19.16	
1.4	QPSK	3	0	19.06	19.03	18.95	
1.4	QPSK	3	1	19.14	19.09	19.06	
1.4	QPSK	3	3	19.08	19.05	18.93	19
1.4	QPSK	6	0	18.29	18.25	18.23	
1.4	16QAM	1	0	18.34	18.27	18.21	19
1.4	16QAM	1	3	18.35	18.39	18.38	
1.4	16QAM	1	5	18.34	18.26	18.24	
1.4	16QAM	3	0	18.07	18.05	17.95	
1.4	16QAM	3	1	18.09	18.03	17.98	
1.4	16QAM	3	3	18.08	17.92	18.04	
1.4	16QAM	6	0	17.24	17.16	17.23	18
1.4	64QAM	1	0	17.26	17.21	17.25	18
1.4	64QAM	1	3	17.34	17.31	17.24	
1.4	64QAM	1	5	17.26	17.26	17.19	
1.4	64QAM	3	0	17.10	17.02	16.98	
1.4	64QAM	3	1	17.11	17.04	16.98	
1.4	64QAM	3	3	17.01	17.02	16.99	
1.4	64QAM	6	0	16.28	16.19	16.12	17

2.4GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 1	802.11b 1Mbps	CH 1	2412	16.35	17.00	99.57
		CH 6	2437	16.52	17.50	
		CH 11	2462	16.57	17.50	
	802.11g 6Mbps	CH 1	2412	15.74	16.50	97.08
		CH 6	2437	15.81	16.50	
		CH 11	2462	15.97	16.50	
	802.11n-HT20 MCS0	CH 1	2412	15.70	16.50	96.88
		CH 6	2437	15.80	16.50	
		CH 11	2462	15.93	16.50	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	CH 36	5180	12.02	13.00	97.22
		CH 44	5220	11.71	12.50	
		CH 48	5240	11.67	12.50	
	802.11n-HT20 MCS0	CH 36	5180	11.69	12.50	97.01
		CH 44	5220	11.68	12.50	
		CH 48	5240	11.46	12.00	
	802.11n-HT40 MCS0	CH 38	5190	11.09	12.00	94.29
		CH 46	5230	10.84	11.50	
	802.11ac-VHT20 MCS0	CH 36	5180	11.68	12.50	97.06
		CH 44	5220	11.57	12.50	
		CH 48	5240	11.41	12.00	
	802.11ac-VHT40 MCS0	CH 38	5190	11.04	12.00	94.29
		CH 46	5230	10.60	11.50	
	802.11ac-VHT80 MCS0	CH 42	5210	9.69	10.50	88.89

5GHzWLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 1	802.11a 6Mbps	CH 100	5500	15.86	16.50	97.22
		CH 120	5600	15.94	16.50	
		CH 144	5720	16.26	17.00	
	802.11n-HT20 MCS0	CH 100	5500	15.91	16.50	97.01
		CH 120	5600	15.51	16.50	
		CH 144	5720	16.04	17.00	
	802.11n-HT40 MCS0	CH 102	5510	14.74	15.50	94.29
		CH 126	5630	14.85	15.50	
		CH 142	5710	15.00	16.00	
	802.11ac-VHT20 MCS0	CH 100	5500	15.32	16.00	97.06
		CH 120	5600	15.83	16.50	
		CH 144	5720	16.09	17.00	
	802.11ac-VHT40 MCS0	CH 102	5510	14.97	15.50	94.29
		CH 126	5630	14.95	15.50	
		CH 142	5710	15.55	16.50	
	802.11ac-VHT80 MCS0	CH 106	5530	13.76	14.50	89.47
		CH 122	5610	15.29	16.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a 6Mbps	CH 149	5745	13.64	14.50	97.22
		CH 157	5785	13.86	14.50	
		CH 165	5825	13.87	14.50	
	802.11n-HT20 MCS0	CH 149	5745	13.10	14.00	97.01
		CH 157	5785	13.50	14.50	
		CH 165	5825	13.35	14.00	
	802.11n-HT40 MCS0	CH 151	5755	12.16	13.00	94.29
		CH 159	5795	12.49	13.00	
	802.11ac-VHT20 MCS0	CH 149	5745	12.54	13.50	97.06
		CH 157	5785	12.71	13.50	
		CH 165	5825	12.22	13.00	
	802.11ac-VHT40 MCS0	CH 151	5755	12.39	13.00	94.29
		CH 159	5795	12.58	13.50	
	802.11ac-VHT80 MCS0	CH 155	5775	12.27	13.00	88.89



Reduced Power Level 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	21.26	21.28	21.24	22.00	19.33	19.35	19.25	20.00
3GPP Rel 5	HSDPA Subtest-1	20.00	19.95	20.01	21.00	18.55	18.53	18.40	19.50
3GPP Rel 5	HSDPA Subtest-2	20.01	19.94	19.94	21.00	18.54	18.47	18.42	19.50
3GPP Rel 5	HSDPA Subtest-3	19.58	19.47	19.42	20.50	18.10	18.03	17.95	19.00
3GPP Rel 5	HSDPA Subtest-4	19.56	19.44	19.39	20.50	18.08	18.02	17.93	19.00
3GPP Rel 6	DC-HSDPA Subtest-1	20.14	20.02	20.01	21.00	18.63	18.58	18.48	19.50
3GPP Rel 6	DC-HSDPA Subtest-2	20.12	20.03	19.97	21.00	18.64	18.60	18.49	19.50
3GPP Rel 6	DC-HSDPA Subtest-3	19.68	19.58	19.45	20.50	18.19	18.14	18.00	19.00
3GPP Rel 6	DC-HSDPA Subtest-4	19.66	19.56	19.44	20.50	18.22	18.13	18.00	19.00
3GPP Rel 6	HSUPA Subtest-1	19.62	19.53	19.45	20.00	18.19	18.11	18.04	18.50
3GPP Rel 6	HSUPA Subtest-2	20.06	20.01	20.00	21.00	18.66	18.56	18.51	19.50
3GPP Rel 6	HSUPA Subtest-3	19.13	19.02	19.02	20.00	17.73	17.60	17.56	18.50
3GPP Rel 6	HSUPA Subtest-4	20.10	20.01	20.02	21.00	18.63	18.58	18.43	19.50
3GPP Rel 6	HSUPA Subtest-5	19.13	19.04	19.02	20.00	17.71	17.60	17.57	18.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.13	18.99	18.97	20.00	17.66	17.59	17.52	18.50
Attenuator		Cable Loss				Cable Loss			
Mode		Max.				Max.			
Date		6/12				6/12			

Band 2 (1900MHz Band) (dBm) Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	22
20	QPSK	1	0	21.07	21.09	21.11	
20	QPSK	1	49	21.08	21.10	21.18	
20	QPSK	1	99	21.06	21.04	21.10	
20	QPSK	50	0	20.17	20.20	20.21	
20	QPSK	50	24	20.16	20.21	20.25	21
20	QPSK	50	50	20.11	20.06	20.12	
20	QPSK	100	0	20.13	20.06	20.14	
20	16QAM	1	0	20.23	20.23	20.30	
20	16QAM	1	49	20.32	20.27	20.36	
20	16QAM	1	99	20.31	20.30	20.33	21
20	16QAM	50	0	19.09	19.13	19.19	
20	16QAM	50	24	19.13	19.14	19.15	
20	16QAM	50	50	19.07	19.05	19.09	
20	16QAM	100	0	19.08	19.11	19.12	
20	64QAM	1	0	19.20	19.16	19.25	20
20	64QAM	1	49	19.18	19.20	19.22	
20	64QAM	1	99	19.14	19.11	19.21	
20	64QAM	50	0	18.10	18.13	18.15	
20	64QAM	50	24	18.13	18.15	18.17	
20	64QAM	50	50	17.99	17.97	18.05	19
20	64QAM	100	0	18.08	18.00	18.10	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.03	21.06	21.08	22
15	QPSK	1	37	20.99	21.09	21.17	
15	QPSK	1	74	21.00	20.95	21.09	
15	QPSK	36	0	20.09	20.12	20.17	
15	QPSK	36	20	20.15	20.16	20.16	
15	QPSK	36	39	20.02	20.02	20.05	21
15	QPSK	75	0	20.10	20.04	20.11	
15	16QAM	1	0	20.18	20.19	20.24	
15	16QAM	1	37	20.22	20.22	20.31	
15	16QAM	1	74	20.29	20.20	20.31	
15	16QAM	36	0	19.03	19.10	19.18	20
15	16QAM	36	20	19.04	19.04	19.10	
15	16QAM	36	39	19.05	19.00	19.07	
15	16QAM	75	0	19.02	19.09	19.09	
15	64QAM	1	0	19.18	19.07	19.24	
15	64QAM	1	37	19.10	19.15	19.14	20
15	64QAM	1	74	19.05	19.06	19.15	
15	64QAM	36	0	18.09	18.04	18.14	
15	64QAM	36	20	18.03	18.13	18.16	
15	64QAM	36	39	17.98	17.96	18.01	
15	64QAM	75	0	18.06	17.95	18.02	19
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)
10	QPSK	1	0	21.01	21.03	21.08	22
10	QPSK	1	25	21.06	21.06	21.11	
10	QPSK	1	49	21.01	20.99	21.05	
10	QPSK	25	0	20.13	20.18	20.20	
10	QPSK	25	12	20.11	20.16	20.18	
10	QPSK	25	25	20.09	20.03	20.03	21
10	QPSK	50	0	20.07	19.99	20.08	
10	16QAM	1	0	20.14	20.21	20.21	
10	16QAM	1	25	20.28	20.25	20.35	
10	16QAM	1	49	20.26	20.28	20.23	
10	16QAM	25	0	19.00	19.05	19.15	20
10	16QAM	25	12	19.12	19.07	19.13	
10	16QAM	25	25	19.01	18.95	19.03	
10	16QAM	50	0	18.98	19.04	19.08	
10	64QAM	1	0	19.14	19.12	19.19	
10	64QAM	1	25	19.12	19.10	19.16	20
10	64QAM	1	49	19.08	19.02	19.12	
10	64QAM	25	0	18.08	18.03	18.13	
10	64QAM	25	12	18.06	18.05	18.15	
10	64QAM	25	25	17.94	17.91	17.96	
10	64QAM	50	0	17.98	17.91	18.06	19
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)
5	QPSK	1	0	20.99	21.01	21.08	22
5	QPSK	1	12	21.02	21.04	21.13	
5	QPSK	1	24	20.99	20.95	21.03	
5	QPSK	12	0	20.16	20.18	20.19	
5	QPSK	12	7	20.09	20.14	20.17	
5	QPSK	12	13	20.05	19.98	20.08	21
5	QPSK	25	0	20.03	20.00	20.11	
5	16QAM	1	0	20.17	20.14	20.28	
5	16QAM	1	12	20.25	20.23	20.33	
5	16QAM	1	24	20.27	20.27	20.32	
5	16QAM	12	0	19.07	19.08	19.15	20
5	16QAM	12	7	19.05	19.11	19.13	
5	16QAM	12	13	18.98	19.04	19.05	
5	16QAM	25	0	18.98	19.06	19.08	
5	64QAM	1	0	19.14	19.12	19.16	
5	64QAM	1	12	19.10	19.12	19.21	20
5	64QAM	1	24	19.04	19.03	19.13	
5	64QAM	12	0	18.05	18.12	18.14	
5	64QAM	12	7	18.07	18.06	18.11	
5	64QAM	12	13	17.89	17.88	18.01	
5	64QAM	25	0	17.99	17.99	18.08	19
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)
3	QPSK	1	0	20.99	21.07	21.05	22
3	QPSK	1	8	21.01	21.07	21.16	
3	QPSK	1	14	21.03	20.94	21.07	
3	QPSK	8	0	20.09	20.18	20.18	
3	QPSK	8	4	20.07	20.20	20.24	
3	QPSK	8	7	20.09	19.98	20.05	21
3	QPSK	15	0	20.08	20.00	20.09	

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	21
20	QPSK	1	0	20.24	20.26	20.18	
20	QPSK	1	49	20.27	20.30	20.26	
20	QPSK	1	99	20.09	20.11	20.07	
20	QPSK	50	0	19.19	19.28	19.21	
20	QPSK	50	24	19.25	19.33	19.29	20
20	QPSK	50	50	19.29	19.31	19.27	
20	QPSK	100	0	19.19	19.28	19.27	
20	16QAM	1	0	19.39	19.41	19.39	20
20	16QAM	1	49	19.40	19.43	19.35	
20	16QAM	1	99	19.27	19.30	19.25	
20	16QAM	50	0	18.28	18.29	18.20	19
20	16QAM	50	24	18.30	18.33	18.27	
20	16QAM	50	50	18.13	18.23	18.15	
20	16QAM	100	0	18.20	18.29	18.25	
20	64QAM	1	0	18.30	18.36	18.28	
20	64QAM	1	49	18.35	18.39	18.33	19
20	64QAM	1	99	18.09	18.19	18.11	
20	64QAM	50	0	17.23	17.29	17.22	18
20	64QAM	50	24	17.23	17.32	17.23	
20	64QAM	50	50	17.19	17.29	17.20	
20	64QAM	100	0	17.23	17.28	17.26	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.20	20.25	20.09	21
15	QPSK	1	37	20.25	20.25	20.25	
15	QPSK	1	74	19.99	20.07	19.99	
15	QPSK	36	0	19.25	19.30	19.22	20
15	QPSK	36	20	19.17	19.26	19.20	
15	QPSK	36	39	19.28	19.25	19.17	
15	QPSK	75	0	19.11	19.26	19.26	20
15	16QAM	1	0	19.36	19.36	19.36	
15	16QAM	1	37	19.38	19.41	19.29	
15	16QAM	1	74	19.24	19.27	19.19	
15	16QAM	36	0	18.21	18.27	18.16	
15	16QAM	36	20	18.20	18.23	18.18	19
15	16QAM	36	39	18.09	18.21	18.12	
15	16QAM	75	0	18.11	18.27	18.16	
15	64QAM	1	0	18.26	18.30	18.24	19
15	64QAM	1	37	18.28	18.30	18.29	
15	64QAM	1	74	18.08	18.10	18.08	
15	64QAM	36	0	17.22	17.23	17.19	
15	64QAM	36	20	17.16	17.22	17.13	
15	64QAM	36	39	17.15	17.23	17.14	18
15	64QAM	75	0	17.20	17.23	17.18	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.17	20.19	20.16	21
10	QPSK	1	25	20.26	20.28	20.24	
10	QPSK	1	49	20.07	20.10	20.03	
10	QPSK	25	0	19.19	19.35	19.25	20
10	QPSK	25	12	19.19	19.25	19.26	
10	QPSK	25	25	19.21	19.21	19.24	
10	QPSK	50	0	19.17	19.27	19.22	20
10	16QAM	1	0	19.32	19.35	19.31	
10	16QAM	1	25	19.34	19.36	19.34	
10	16QAM	1	49	19.24	19.24	19.20	
10	16QAM	25	0	18.18	18.19	18.14	
10	16QAM	25	12	18.27	18.31	18.26	19
10	16QAM	25	25	18.04	18.17	18.05	
10	16QAM	50	0	18.17	18.20	18.20	
10	64QAM	1	0	18.23	18.29	18.22	19
10	64QAM	1	25	18.28	18.35	18.28	
10	64QAM	1	49	18.02	18.14	18.09	
10	64QAM	25	0	17.13	17.22	17.16	
10	64QAM	25	12	17.20	17.22	17.14	
10	64QAM	25	25	17.15	17.27	17.19	18
10	64QAM	50	0	17.22	17.20	17.25	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.16	20.18	20.17	21
5	QPSK	1	12	20.22	20.25	20.18	
5	QPSK	1	24	20.02	20.07	19.98	
5	QPSK	12	0	19.22	19.29	19.22	20
5	QPSK	12	7	19.23	19.31	19.20	
5	QPSK	12	13	19.28	19.22	19.25	
5	QPSK	25	0	19.14	19.21	19.20	20
5	16QAM	1	0	19.32	19.35	19.31	
5	16QAM	1	12	19.37	19.34	19.25	
5	16QAM	1	24	19.21	19.23	19.21	
5	16QAM	12	0	18.20	18.24	18.17	
5	16QAM	12	7	18.28	18.31	18.24	19
5	16QAM	12	13	18.05	18.16	18.07	
5	16QAM	25	0	18.13	18.26	18.19	
5	64QAM	1	0	18.28	18.30	18.20	19
5	64QAM	1	12	18.30	18.36	18.31	
5	64QAM	1	24	18.04	18.14	18.10	
5	64QAM	12	0	17.14	17.21	17.21	18
5	64QAM	12	7	17.16	17.27	17.18	
5	64QAM	12	13	17.17	17.27	17.18	
5	64QAM	25	0	17.22	17.20	17.22	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	20.15	20.16	20.15	21
3	QPSK	1	8	20.17	20.24	20.24	
3	QPSK	1	14	20.00	20.08	19.99	
3	QPSK	8	0	19.21	19.31	19.30	20
3	QPSK	8	4	19.23	19.25	19.24	
3	QPSK	8	7	19.21	19.21	19.23	
3	QPSK	15	0	19.15	19.27	19.22	

3	16QAM	1	0	20.20	20.22	20.20	21
3	16QAM	1	8	20.28	20.18	20.33	
3	16QAM	1	14	20.21	20.23	20.30	
3	16QAM	8	0	19.07	19.09	19.09	20
3	16QAM	8	4	19.06	19.09	19.12	
3	16QAM	8	7	19.03	18.98	19.05	
3	16QAM	15	0	19.02	19.09	19.06	20
3	64QAM	1	0	19.16	19.06	19.16	
3	64QAM	1	8	19.09	19.11	19.12	
3	64QAM	1	14	19.10	19.10	19.18	19
3	64QAM	8	0	18.00	18.09	18.06	
3	64QAM	8	4	18.10	18.12	18.10	
3	64QAM	8	7	17.98	17.91	17.98	19
3	64QAM	15	0	18.01	17.90	18.07	
Channel				1860.7	1890.0	1919.3	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.99	21.07	21.07	
1.4	QPSK	1	3	21.03	21.08	21.17	22
1.4	QPSK	1	5	20.96	20.95	21.04	
1.4	QPSK	3	0	20.87	20.97	20.93	
1.4	QPSK	3	1	20.90	20.93	21.02	21
1.4	QPSK	3	3	20.86	20.80	20.90	
1.4	QPSK	6	0	20.06	19.97	20.07	
1.4	16QAM	1	0	20.17	20.17	20.26	21
1.4	16QAM	1	3	20.31	20.24	20.27	
1.4	16QAM	1	5	20.27	20.21	20.32	
1.4	16QAM	3	0	19.84	19.84	19.89	20
1.4	16QAM	3	1	19.83	19.90	19.88	
1.4	16QAM	3	3	19.78	19.82	19.80	
1.4	16QAM	6	0	18.98	19.03	19.03	20
1.4	64QAM	1	0	19.13	19.07	19.23	
1.4	64QAM	1	3	19.10	19.10	19.17	
1.4	64QAM	1	5	19.04	19.07	19.15	20
1.4	64QAM	3	0	18.89	18.91	18.92	
1.4	64QAM	3	1	18.89	18.87	18.96	
1.4	64QAM	3	3	18.77	18.70	18.76	19
1.4	64QAM	6	0	18.06	17.91	18.03	

3	16QAM	1	0	19.36	19.33	19.30	20
3	16QAM	1	8	19.39	19.41	19.31	
3	16QAM	1	14	19.19	19.20	19.24	
3	16QAM	8	0	18.22	18.23	18.16	19
3	16QAM	8	4	18.21	18.31	18.18	
3	16QAM	8	7	18.08	18.18	18.06	
3	16QAM	15	0	18.16	18.20	18.23	19
3	64QAM	1	0	18.21	18.30	18.18	
3	64QAM	1	8	18.33	18.33	18.28	
3	64QAM	1	14	18.01	18.12	18.03	18
3	64QAM	8	0	17.21	17.27	17.21	
3	64QAM	8	4	17.13	17.31	17.20	
3	64QAM	8	7	17.16	17.21	17.12	18
3	64QAM	15	0	17.22	17.27	17.16	
Channel				1996.7	2017.5	2039.3	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.20	20.17	20.15	
1.4	QPSK	1	3	20.21	20.25	20.16	21
1.4	QPSK	1	5	20.07	20.09	20.06	
1.4	QPSK	3	0	20.10	20.16	20.06	
1.4	QPSK	3	1	20.08	20.15	20.04	20
1.4	QPSK	3	3	20.12	20.15	20.05	
1.4	QPSK	6	0	19.09	19.22	19.19	
1.4	16QAM	1	0	19.36	19.37	19.37	20
1.4	16QAM	1	3	19.32	19.38	19.29	
1.4	16QAM	1	5	19.18	19.26	19.21	
1.4	16QAM	3	0	19.03	19.07	18.99	19
1.4	16QAM	3	1	19.07	19.14	19.02	
1.4	16QAM	3	3	18.93	19.00	18.95	
1.4	16QAM	6	0	18.16	18.19	18.18	19
1.4	64QAM	1	0	18.23	18.27	18.23	
1.4	64QAM	1	3	18.32	18.29	18.30	
1.4	64QAM	1	5	18.08	18.15	18.03	19
1.4	64QAM	3	0	18.03	18.13	18.06	
1.4	64QAM	3	1	18.01	18.13	18.06	
1.4	64QAM	3	3	17.98	18.05	17.97	18
1.4	64QAM	6	0	17.15	17.27	17.18	

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	20.27	20.15	20.10	21
20	QPSK	1	49	20.33	20.30	20.27	
20	QPSK	1	99	20.24	20.15	20.19	
20	QPSK	50	0	19.34	19.27	19.25	20
20	QPSK	50	24	19.37	19.33	19.31	
20	QPSK	50	50	19.32	19.28	19.22	
20	QPSK	100	0	19.35	19.27	19.31	20
20	16QAM	1	0	19.38	19.33	19.30	
20	16QAM	1	49	19.43	19.42	19.41	
20	16QAM	1	99	19.35	19.32	19.28	19
20	16QAM	50	0	18.30	18.27	18.25	
20	16QAM	50	24	18.34	18.32	18.24	
20	16QAM	50	50	18.29	18.19	18.25	19
20	16QAM	100	0	18.31	18.26	18.29	
20	64QAM	1	0	18.33	18.24	18.29	
20	64QAM	1	49	18.38	18.37	18.34	19
20	64QAM	1	99	18.30	18.29	18.29	
20	64QAM	50	0	17.33	17.24	17.27	
20	64QAM	50	24	17.36	17.32	17.27	18
20	64QAM	50	50	17.31	17.28	17.23	
20	64QAM	100	0	17.32	17.23	17.22	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.18	20.13	20.05	21
15	QPSK	1	37	20.27	20.25	20.21	
15	QPSK	1	74	20.20	20.09	20.16	
15	QPSK	36	0	19.32	19.20	19.16	20
15	QPSK	36	20	19.28	19.26	19.29	
15	QPSK	36	39	19.27	19.20	19.14	
15	QPSK	75	0	19.31	19.18	19.26	20
15	16QAM	1	0	19.30	19.31	19.24	
15	16QAM	1	37	19.39	19.41	19.31	
15	16QAM	1	74	19.32	19.22	19.27	19
15	16QAM	36	0	18.21	18.18	18.19	
15	16QAM	36	20	18.30	18.29	18.23	
15	16QAM	36	39	18.24	18.17	18.22	19
15	16QAM	75	0	18.25	18.24	18.22	
15	64QAM	1	0	18.30	18.20	18.23	
15	64QAM	1	37	18.33	18.32	18.27	19
15	64QAM	1	74	18.27	18.28	18.24	
15	64QAM	36	0	17.30	17.20	17.22	
15	64QAM	36	20	17.32	17.26	17.25	18
15	64QAM	36	39	17.30	17.25	17.21	
15	64QAM	75	0	17.27	17.21	17.12	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.26	20.06	20.00	21
10	QPSK	1	25	20.26	20.29	20.21	
10	QPSK	1	49	20.19	20.08	20.16	
10	QPSK	25	0	19.32	19.22	19.24	20
10	QPSK	25	12	19.33	19.27	19.29	
10	QPSK	25	25	19.28	19.27	19.14	
10	QPSK	50	0	19.29	19.25	19.23	20
10	16QAM	1	0	19.28	19.31	19.21	
10	16QAM	1	25	19.38	19.40	19.39	
10	16QAM	1	49	19.31	19.30	19.25	19
10	16QAM	25	0	18.26	18.24	18.16	
10	16QAM	25	12	18.33	18.29	18.14	
10	16QAM	25	25	18.22	18.14	18.20	19
10	16QAM	50	0	18.27	18.25	18.21	
10	64QAM	1	0	18.24	18.21	18.23	
10	64QAM	1	25	18.31	18.30	18.31	19
10	64QAM	1	49	18.21	18.25	18.19	
10	64QAM	25	0	17.23	17.17	17.24	
10	64QAM	25	12	17.26	17.28	17.21	18
10	64QAM	25	25	17.27	17.21	17.14	
10	64QAM	50	0	17.24	17.15	17.18	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.24	20.14	20.09	21
5	QPSK	1	12	20.23	20.27	20.24	
5	QPSK	1	24	20.18	20.09	20.16	
5	QPSK	12	0	19.25	19.26	19.17	20
5	QPSK	12	7	19.29	19.29	19.23	
5	QPSK	12	13	19.29	19.26	19.12	
5	QPSK	25	0	19.26	19.18	19.23	20
5	16QAM	1	0	19.36	19.32	19.21	
5	16QAM	1	12	19.42	19.35	19.38	
5	16QAM	1	24	19.30	19.31	19.25	19
5	16QAM	12	0	18.29	18.25	18.19	
5	16QAM	12	7	18.31	18.31	18.14	
5	16QAM	12	13	18.27	18.09	18.17	19
5	16QAM	25	0	18.21	18.21	18.25	
5	64QAM	1	0	18.24	18.21	18.28	
5	64QAM	1	12	18.31	18.35	18.33	19
5	64QAM	1	24	18.23	18.23	18.19	
5	64QAM	12	0	17.30	17.18	17.25	
5	64QAM	12	7	17.31	17.27	17.24	18
5	64QAM	12	13	17.24	17.26	17.14	
5	64QAM	25	0	17.27	17.14	17.20	
Channel				131967	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	20.22	20.10	20.06	21
3	QPSK	1	8	20.24	20.20	20.19	
3	QPSK	1	14	20.19	20.13	20.12	
3	QPSK	8	0	19.28	19.18	19.22	20
3	QPSK	8	4	19.30	19.32	19.27	
3	QPSK	8	7	19.25	19.22	19.13	
3	QPSK	15	0	19.32	19.19	19.27	

3	16QAM	1	0	19.37	19.24	19.25	20
3	16QAM	1	8	19.39	19.35	19.39	
3	16QAM	1	14	19.34	19.26	19.22	
3	16QAM	8	0	18.20	18.24	18.24	19
3	16QAM	8	4	18.32	18.25	18.22	
3	16QAM	8	7	18.24	18.18	18.23	
3	16QAM	15	0	18.30	18.20	18.28	19
3	64QAM	1	0	18.23	18.16	18.20	
3	64QAM	1	8	18.28	18.36	18.28	
3	64QAM	1	14	18.22	18.25	18.28	18
3	64QAM	8	0	17.29	17.15	17.22	
3	64QAM	8	4	17.28	17.29	17.26	
3	64QAM	8	7	17.25	17.21	17.14	Turn-up limit
3	64QAM	15	0	17.25	17.13	17.13	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	20.25	20.13	20.09	21
1.4	QPSK	1	3	20.28	20.28	20.21	
1.4	QPSK	1	5	20.21	20.13	20.16	
1.4	QPSK	3	0	20.06	20.03	19.95	
1.4	QPSK	3	1	20.14	20.09	20.06	
1.4	QPSK	3	3	20.08	20.05	19.93	20
1.4	QPSK	6	0	19.29	19.25	19.23	
1.4	16QAM	1	0	19.34	19.27	19.21	20
1.4	16QAM	1	3	19.35	19.39	19.38	
1.4	16QAM	1	5	19.34	19.26	19.24	
1.4	16QAM	3	0	19.07	19.05	18.95	
1.4	16QAM	3	1	19.09	19.03	18.98	
1.4	16QAM	3	3	19.08	18.92	19.04	
1.4	16QAM	6	0	18.24	18.16	18.23	19
1.4	64QAM	1	0	18.26	18.21	18.25	19
1.4	64QAM	1	3	18.34	18.31	18.24	
1.4	64QAM	1	5	18.26	18.26	18.19	
1.4	64QAM	3	0	18.10	18.02	17.98	
1.4	64QAM	3	1	18.11	18.04	17.98	
1.4	64QAM	3	3	18.01	18.02	17.99	
1.4	64QAM	6	0	17.28	17.19	17.12	18

5GHzWLAN ANT 1

5.5GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 100	5500	15.86	16.50	16.50	97.22
		CH 120	5600	15.94	16.50	16.50	
		CH 144	5720	16.26	17.00	16.50	
	802.11n-HT20 MCS0	CH 100	5500	15.91	16.50	16.00	97.01
		CH 120	5600	15.51	16.50	16.00	
		CH 144	5720	16.04	17.00	16.00	
	802.11n-HT40 MCS0	CH 102	5510	14.74	15.50	15.50	94.29
		CH 126	5630	14.85	15.50	15.50	
		CH 142	5710	15.00	16.00	15.50	
	802.11ac-VHT20 MCS0	CH 100	5500	15.32	16.00	16.00	97.06
		CH 120	5600	15.83	16.50	16.00	
		CH 144	5720	16.09	17.00	16.00	
	802.11ac-VHT40 MCS0	CH 102	5510	14.97	15.50	15.50	94.29
		CH 126	5630	14.95	15.50	15.50	
		CH 142	5710	15.55	16.50	15.50	
	802.11ac-VHT80 MCS0	CH 106	5530	13.76	14.50	14.00	89.47
		CH 122	5610	15.29	16.00	15.50	