



REPORT No.: SZ23080047S01

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)	Ch Delta > 0.5
	128	189	251		128	189	251		
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.35	32.41	32.38	33.00	23.35	23.41	23.38	24.00	0.07
GPRS 1 Tx slot	32.34	32.40	32.36	33.00	23.34	23.40	23.36	24.00	
GPRS 2 Tx slots	29.47	29.55	29.53	30.50	23.47	23.55	23.53	24.50	0.08
GPRS 3 Tx slots	26.67	26.71	26.63	27.50	22.41	22.45	22.37	23.24	0.08
GPRS 4 Tx slots	24.58	24.62	24.59	25.50	21.58	21.62	21.59	22.50	0.04
EDGE 1 Tx slot	26.33	26.44	26.37	27.00	17.33	17.44	17.37	18.00	0.11
EDGE 2 Tx slots	24.14	24.25	24.19	25.00	18.14	18.25	18.19	19.00	0.11
EDGE 3 Tx slots	22.11	22.17	22.14	23.00	17.85	17.91	17.88	18.74	0.06
EDGE 4 Tx slots	20.06	20.13	20.08	21.00	17.06	17.13	17.08	18.00	0.07
Mode		Max.	32.41			Max.	23.55		
Attenuator									Cable Loss : 0.6

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
TX Channel	1850.2	1860	1909.8		1850.2	1860	1909.8		
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8		
GSM 1 Tx slot	29.34	29.37	29.31	30.00	20.34	20.37	20.31	21.00	0.07
GPRS 1 Tx slot	29.33	29.35	29.30	30.00	20.33	20.35	20.30	21.00	
GPRS 2 Tx slots	28.30	28.31	28.23	29.00	22.30	22.31	22.23	23.00	0.08
GPRS 3 Tx slots	26.17	26.24	26.19	27.00	21.91	21.98	21.93	22.74	0.07
GPRS 4 Tx slots	24.27	24.29	24.23	25.00	21.27	21.29	21.23	22.00	0.06
EDGE 1 Tx slot	25.24	25.29	25.22	26.00	16.24	16.29	16.22	17.00	0.07
EDGE 2 Tx slots	24.33	24.41	24.36	25.00	18.33	18.41	18.36	19.00	0.08
EDGE 3 Tx slots	22.10	22.18	22.15	23.00	17.84	17.92	17.89	18.74	0.08
EDGE 4 Tx slots	20.21	20.35	20.28	21.00	17.21	17.35	17.28	18.00	0.14
Mode		Max.	29.37			Max.	22.31		
Attenuator									Cable Loss : 0.8

Band	TX Channel	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)
		9262	9400	9538		1312	1413	1513		4132	4182	4233	
	Frequency (MHz)	1852.4	1860	1907.6		1712.4	1732.6	1752.6		526.4	536.4	546.6	
3GPP Rel 99	RMC 1/2 2Kbps	22.33	22.35	22.28	23.00	23.48	23.56	23.52	24.00	23.34	23.43	23.38	24.00
3GPP Rel 6	HSDPA Subtest-1	22.18	22.05	22.02	23.00	22.76	22.79	22.77	23.50	22.93	22.95	22.98	23.50
3GPP Rel 6	HSDPA Subtest-2	22.18	22.07	22.00	23.00	23.01	22.78	22.82	23.50	22.91	22.95	22.95	23.50
3GPP Rel 6	HSDPA Subtest-3	21.72	21.59	21.51	22.50	22.55	22.27	22.30	23.00	22.61	22.53	22.51	23.50
3GPP Rel 6	HSDPA Subtest-4	21.70	21.58	21.54	22.50	22.58	22.27	22.24	23.00	22.64	22.53	22.50	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.19	22.01	22.04	23.00	22.67	22.78	22.78	23.50	22.90	22.93	22.97	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.17	22.02	22.01	23.00	22.97	22.96	22.77	23.50	22.93	22.94	22.88	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.68	21.54	21.51	22.50	22.54	22.26	22.62	23.50	22.44	22.43	22.42	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.68	21.54	21.51	22.50	22.53	22.25	22.28	23.50	22.44	22.44	22.41	23.00
3GPP Rel 6	HSDPA Subtest-1	22.16	22.06	22.07	23.00	22.95	22.97	22.77	23.50	22.94	22.97	22.92	23.50
3GPP Rel 6	HSDPA Subtest-2	21.66	21.58	21.56	22.50	22.53	22.32	22.32	23.50	22.58	22.61	22.54	23.50
3GPP Rel 6	HSDPA Subtest-3	22.20	22.05	22.04	23.00	22.93	22.74	22.77	23.50	22.91	22.97	22.92	23.50
3GPP Rel 6	HSDPA Subtest-4	22.16	22.04	22.01	23.00	22.70	22.76	22.73	23.50	22.92	22.93	22.94	23.50
3GPP Rel 6	HSDPA Subtest-5	22.16	22.09	22.02	23.00	22.97	22.77	22.79	23.50	22.96	22.94	22.97	23.50
3GPP Rel 7	HSDPA (16QAM) Subtest-1	21.70	21.59	21.47	22.50	22.49	22.25	22.26	23.00	22.56	22.55	22.52	23.50
Attenuator		-0.2	Cable Loss	0.6			Cable Loss	0.8			Cable Loss	0.6	
Mode			Max.	22.35			Max.	23.56			Max.	23.43	

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	21.27	21.36	21.30	
20	QPSK	1	49	21.31	21.30	21.23	22
20	QPSK	1	99	21.16	21.27	21.25	
20	QPSK	50	0	20.33	20.50	20.49	
20	QPSK	50	24	20.25	20.35	20.30	21
20	QPSK	50	50	20.35	20.37	20.25	
20	QPSK	100	0	20.23	20.29	20.29	
20	16QAM	1	0	20.39	20.49	20.39	21
20	16QAM	1	49	20.49	20.34	20.41	
20	16QAM	1	99	20.46	20.30	20.40	
20	16QAM	50	0	19.45	19.44	19.38	20
20	16QAM	50	24	19.30	19.40	19.34	
20	16QAM	50	50	19.50	19.20	19.26	
20	16QAM	100	0	19.27	19.47	19.54	20
20	64QAM	1	0	19.29	19.28	19.23	
20	64QAM	1	49	19.32	19.36	19.22	
20	64QAM	1	99	19.52	19.47	19.31	19
20	64QAM	50	0	18.28	18.47	18.29	
20	64QAM	50	24	18.35	18.41	18.34	
20	64QAM	50	50	18.32	18.32	18.21	19
20	64QAM	100	0	18.26	18.29	18.49	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	21.28	21.33	21.32	
15	QPSK	1	37	21.31	21.25	21.28	22
15	QPSK	1	74	21.25	21.24	21.14	
15	QPSK	36	0	20.25	20.47	20.35	
15	QPSK	36	20	20.38	20.24	20.30	21
15	QPSK	36	39	20.47	20.23	20.33	
15	QPSK	75	0	20.29	20.40	20.29	
15	16QAM	1	0	20.38	20.51	20.30	21
15	16QAM	1	37	20.46	20.27	20.50	
15	16QAM	1	74	20.50	20.30	20.39	
15	16QAM	36	0	19.32	19.39	19.40	20
15	16QAM	36	20	19.34	19.28	19.46	
15	16QAM	36	39	19.55	19.33	19.44	
15	16QAM	75	0	19.22	19.33	19.26	20
15	64QAM	1	0	19.31	19.27	19.20	
15	64QAM	1	37	19.43	19.41	19.42	
15	64QAM	1	74	19.36	19.33	19.30	19
15	64QAM	36	0	18.24	18.43	18.47	
15	64QAM	36	20	18.21	18.30	18.33	
15	64QAM	36	39	18.36	18.33	18.38	19
15	64QAM	75	0	18.44	18.36	18.48	
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	21.30	21.35	21.29	
10	QPSK	1	25	21.24	21.25	21.31	22
10	QPSK	1	49	21.23	21.30	21.24	
10	QPSK	25	0	20.43	20.52	20.36	
10	QPSK	25	12	20.27	20.28	20.38	21
10	QPSK	25	25	20.27	20.22	20.30	
10	QPSK	50	0	20.35	20.29	20.34	
10	16QAM	1	0	20.55	20.42	20.31	21
10	16QAM	1	25	20.45	20.32	20.35	
10	16QAM	1	49	20.34	20.34	20.27	
10	16QAM	25	0	19.41	19.51	19.38	20
10	16QAM	25	12	19.43	19.48	19.30	
10	16QAM	25	25	19.35	19.34	19.51	
10	16QAM	50	0	19.49	19.41	19.43	20
10	64QAM	1	0	19.50	19.40	19.27	
10	64QAM	1	25	19.32	19.45	19.49	
10	64QAM	1	49	19.29	19.33	19.35	19
10	64QAM	25	0	18.31	18.40	18.27	
10	64QAM	25	12	18.26	18.34	18.54	
10	64QAM	25	25	18.38	18.30	18.27	19
10	64QAM	50	0	18.36	18.47	18.42	
Channel				18825	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	21.26	21.34	21.29	
5	QPSK	1	12	21.33	21.28	21.30	22
5	QPSK	1	24	21.21	21.25	21.32	
5	QPSK	12	0	20.23	20.40	20.26	
5	QPSK	12	7	20.48	20.23	20.28	21
5	QPSK	12	13	20.57	20.32	20.23	
5	QPSK	25	0	20.33	20.48	20.46	
5	16QAM	1	0	20.50	20.44	20.41	21
5	16QAM	1	12	20.42	20.30	20.42	
5	16QAM	1	24	20.30	20.46	20.18	
5	16QAM	12	0	19.44	19.35	19.47	20
5	16QAM	12	7	19.37	19.24	19.42	
5	16QAM	12	13	19.53	19.47	19.37	
5	16QAM	25	0	19.16	19.20	19.50	20
5	64QAM	1	0	19.49	19.45	19.29	
5	64QAM	1	12	19.29	19.37	19.55	
5	64QAM	1	24	19.48	19.34	19.23	19
5	64QAM	12	0	18.41	18.44	18.29	
5	64QAM	12	7	18.44	18.54	18.37	
5	64QAM	12	13	18.23	18.34	18.43	19
5	64QAM	25	0	18.51	18.48	18.33	
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	21.21	21.31	21.28	
3	QPSK	1	8	21.25	21.24	21.14	22
3	QPSK	1	14	21.24	21.27	21.20	
3	QPSK	8	0	20.48	20.35	20.29	
3	QPSK	8	4	20.27	20.22	20.45	21
3	QPSK	8	7	20.57	20.18	20.24	

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	22.64	22.71	22.66	
20	QPSK	1	49	22.69	22.65	22.57	23.5
20	QPSK	1	99	22.66	22.52	22.58	
20	QPSK	50	0	21.78	21.85	21.83	
20	QPSK	50	24	21.78	21.68	21.73	22.5
20	QPSK	50	50	21.62	21.57	21.75	
20	QPSK	100	0	21.67	21.64	21.61	
20	16QAM	1	0	21.82	21.81	21.80	22.5
20	16QAM	1	49	21.82	21.54	21.61	
20	16QAM	1	99	21.76	21.73	21.62	
20	16QAM	50	0	20.81	20.77	20.68	21.5
20	16QAM	50	24	20.71	20.65	20.65	
20	16QAM	50	50	20.83	20.63	20.51	
20	16QAM	100	0	20.78	20.72	20.69	21.5
20	64QAM	1	0	20.56	20.76	20.51	
20	64QAM	1	49	20.53	20.67	20.86	
20	64QAM	1	99	20.82	20.65	20.62	20.5
20	64QAM	50	0	19.72	19.60	19.67	
20	64QAM	50	24	19.75	19.73	19.78	
20	64QAM	50	50	19.54	19.64	19.49	20.5
20	64QAM	100	0	19.68	19.58	19.66	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.65	22.68	22.67	
15	QPSK	1	37	22.58	22.51	22.54	23.5
15	QPSK	1	74	22.53	22.61	22.44	
15	QPSK	36	0	21.67	21.85	21.80	
15	QPSK	36	20	21.71	21.82	21.69	22.5
15	QPSK	36	39	21.48	21.56	21.68	
15	QPSK	75	0	21.53	21.54	21.73	
15	16QAM	1	0	21.91	21.73	21.73	22.5
15	16QAM	1	37	21.96	21.66	21.66	
15	16QAM	1	74	21.86	21.70	21.63	
15	16QAM	36	0	20.82	20.63	20.80	21.5
15	16QAM	36	20	20.62	20.69	20.76	
15	16QAM	36	39	20.84	20.62	20.55	
15	16QAM	75	0	20.76	20.74	20.76	21.5
15	64QAM	1	0	20.57	20.76	20.52	
15	64QAM	1	37	20.50	20.73	20.82	
15	64QAM	1	74	20.78	20.76	20.54	20.5
15	64QAM	36	0	19.63	19.62	19.56	
15	64QAM	36	20	19.75	19.72	19.65	
15	64QAM	36	39	19.44	19.54	19.58	20.5
15	64QAM	75	0	19.56	19.52	19.67	
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.65	22.69	22.67	
10	QPSK	1	25	22.63	22.59	22.43	23.5
10	QPSK	1	49	22.61	22.55	22.44	
10	QPSK	25	0	21.63	21.84	21.83	
10	QPSK	25	12	21.90	21.54	21.83	22.5
10	QPSK	25	25	21.76	21.65	21.60	
10	QPSK	50	0	21.70	21.65	21.64	
10	16QAM	1	0	21.73	21.66	21.68	22.5
10	16QAM	1	25	21.85	21.41	21.71	
10	16QAM	1	49	21.91	21.77	21.55	
10	16QAM	25	0	20.77	20.79	20.78	21.5
10	16QAM	25	12	20.66	20.80	20.62	
10	16QAM	25	25	20.83	20.7		

3	QPSK	15	0	20.22	20.44	20.34	21	
3	16QAM	1	0	20.52	20.40	20.30		
3	16QAM	1	8	20.55	20.20	20.29		
3	16QAM	1	14	20.17	20.44	20.28	20	
3	16QAM	8	0	19.46	19.36	19.38		
3	16QAM	8	4	19.48	19.40	19.35		
3	16QAM	8	7	19.40	19.21	19.27	20	
3	16QAM	15	0	19.33	19.20	19.39		
3	64QAM	1	0	19.21	19.35	19.20		
3	64QAM	1	8	19.23	19.43	19.26	19	
3	64QAM	1	14	19.38	19.37	19.43		
3	64QAM	8	0	18.29	18.22	18.25		
3	64QAM	8	4	18.43	18.44	18.42	19	
3	64QAM	8	7	18.20	18.11	18.17		
3	64QAM	15	0	18.21	18.43	18.31		
Channel				18607	18900	19193	Tune-up limit (dBm)	
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.27	21.30	21.27	22	
1.4	QPSK	1	3	21.22	21.25	21.23		
1.4	QPSK	1	5	21.21	21.28	21.28		
1.4	QPSK	3	0	20.31	20.30	20.33		
1.4	QPSK	3	1	20.51	20.47	20.29		
1.4	QPSK	3	3	20.49	20.34	20.28		
1.4	QPSK	6	0	20.31	20.54	20.39	21	
1.4	16QAM	1	0	20.43	20.56	20.45	21	
1.4	16QAM	1	3	20.49	20.43	20.38		
1.4	16QAM	1	5	20.30	20.35	20.25		
1.4	16QAM	3	0	19.46	19.52	19.57		
1.4	16QAM	3	1	19.25	19.44	19.55		
1.4	16QAM	3	3	19.42	19.30	19.28		
1.4	16QAM	6	0	19.48	19.32	19.34	20	
1.4	64QAM	1	0	19.43	19.25	19.34		
1.4	64QAM	1	3	19.29	19.56	19.33		
1.4	64QAM	1	5	19.19	19.56	19.14	20	
1.4	64QAM	3	0	18.28	18.23	18.28		
1.4	64QAM	3	1	18.31	18.55	18.52		
1.4	64QAM	3	3	18.36	18.31	18.26		
1.4	64QAM	6	0	18.30	18.42	18.36		19

3	QPSK	15	0	21.65	21.67	21.56	22.5
3	16QAM	1	0	21.81	21.90	21.71	
3	16QAM	1	8	21.81	21.56	21.52	
3	16QAM	1	14	21.91	21.84	21.59	21.5
3	16QAM	8	0	20.67	20.79	20.68	
3	16QAM	8	4	20.72	20.66	20.63	
3	16QAM	8	7	20.70	20.53	20.42	21.5
3	16QAM	15	0	20.82	20.57	20.67	
3	64QAM	1	0	20.55	20.77	20.62	
3	64QAM	1	8	20.52	20.60	20.88	21.5
3	64QAM	1	14	20.90	20.66	20.48	
3	64QAM	8	0	19.71	19.66	19.55	
3	64QAM	8	4	19.65	19.62	19.59	20.5
3	64QAM	8	7	19.43	19.58	19.40	
3	64QAM	15	0	19.61	19.54	19.55	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.66	22.68	22.61	23.5
1.4	QPSK	1	3	22.56	22.65	22.51	
1.4	QPSK	1	5	22.62	22.41	22.59	
1.4	QPSK	3	0	21.86	21.77	21.88	
1.4	QPSK	3	1	21.69	21.68	21.63	
1.4	QPSK	3	3	21.62	21.69	21.78	
1.4	QPSK	6	0	21.74	21.74	21.62	22.5
1.4	16QAM	1	0	21.91	21.70	21.72	22.5
1.4	16QAM	1	3	21.75	21.55	21.70	
1.4	16QAM	1	5	21.87	21.64	21.57	
1.4	16QAM	3	0	20.80	20.79	20.55	
1.4	16QAM	3	1	20.64	20.56	20.62	
1.4	16QAM	3	3	20.79	20.57	20.57	
1.4	16QAM	6	0	20.74	20.75	20.62	21.5
1.4	64QAM	1	0	20.54	20.64	20.60	21.5
1.4	64QAM	1	3	20.54	20.72	20.82	
1.4	64QAM	1	5	20.85	20.62	20.70	
1.4	64QAM	3	0	19.83	19.74	19.77	
1.4	64QAM	3	1	19.86	19.84	19.70	
1.4	64QAM	3	3	19.58	19.78	19.58	
1.4	64QAM	6	0	19.61	19.68	19.74	20.5

Band 5 (Cellular 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	23.5
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.80	22.86	22.83	23.5
10	QPSK	1	25	22.78	22.59	22.76	
10	QPSK	1	49	22.81	22.74	22.77	
10	QPSK	25	0	21.87	21.89	21.80	22.5
10	QPSK	25	12	21.83	21.68	21.78	
10	QPSK	25	25	21.80	21.62	21.82	
10	QPSK	50	0	21.72	21.74	21.85	22.5
10	16QAM	1	0	21.83	21.93	21.89	
10	16QAM	1	25	21.80	21.69	21.65	
10	16QAM	1	49	21.87	21.74	21.71	21.5
10	16QAM	25	0	20.79	20.90	20.93	
10	16QAM	25	12	20.85	20.74	20.85	
10	16QAM	25	25	20.85	20.81	20.64	21.5
10	16QAM	50	0	20.79	20.87	20.87	
10	64QAM	1	0	20.60	20.76	20.57	
10	64QAM	1	25	20.61	20.85	20.86	21.5
10	64QAM	1	49	20.75	20.86	20.66	
10	64QAM	25	0	19.95	19.64	19.67	
10	64QAM	25	12	19.90	19.78	19.85	20.5
10	64QAM	25	25	19.65	19.91	19.78	
10	64QAM	50	0	19.92	19.77	19.83	
Channel				20425	20525	20625	23.5
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.73	22.81	22.79	23.5
5	QPSK	1	12	22.70	22.75	22.77	
5	QPSK	1	24	22.69	22.76	22.66	
5	QPSK	12	0	21.79	21.90	21.96	22.5
5	QPSK	12	7	21.81	21.98	21.88	
5	QPSK	12	13	21.77	21.66	21.95	
5	QPSK	25	0	21.92	21.66	21.67	22.5
5	16QAM	1	0	21.82	21.93	21.84	
5	16QAM	1	12	21.81	21.72	21.82	
5	16QAM	1	24	21.90	21.95	21.84	21.5
5	16QAM	12	0	20.86	20.90	20.82	
5	16QAM	12	7	20.85	20.77	20.65	
5	16QAM	12	13	20.85	20.91	20.51	21.5
5	16QAM	25	0	20.83	20.87	20.86	
5	64QAM	1	0	20.56	20.91	20.59	
5	64QAM	1	12	20.67	20.96	20.96	21.5
5	64QAM	1	24	21.04	20.81	20.86	
5	64QAM	12	0	19.89	19.85	19.82	
5	64QAM	12	7	19.96	19.74	20.05	20.5
5	64QAM	12	13	19.56	19.94	19.64	
5	64QAM	25	0	19.78	19.65	19.87	
Channel				20415	20525	20635	23.5
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.67	22.82	22.66	23.5
3	QPSK	1	8	22.74	22.75	22.65	
3	QPSK	1	14	22.69	22.77	22.65	
3	QPSK	8	0	21.89	21.84	21.85	22.5
3	QPSK	8	4	21.87	21.76	21.84	
3	QPSK	8	7	21.85	21.61	21.83	
3	QPSK	15	0	21.67	21.89	21.77	22.5
3	16QAM	1	0	21.95	22.00	21.99	
3	16QAM	1	8	21.83	21.61	21.71	
3	16QAM	1	14	22.02	21.94	21.65	21.5
3	16QAM	8	0	20.93	20.77	20.71	
3	16QAM	8	4	20.72	20.81	20.83	
3	16QAM	8	7	20.96	20.83	20.76	21.5
3	16QAM	15	0	20.89	20.98	20.91	
3	64QAM	1	0	20.84	20.98	20.87	
3	64QAM	1	8	20.69	20.78	20.66	21.5
3	64QAM	1	14	21.04	20.83	20.69	
3	64QAM	8	0	19.87	19.73	19.69	
3	64QAM	8	4	19.77	19.91	19.89	20.5
3	64QAM	8	7	19.72	19.70	19.70	
3	64QAM	15	0	19.98	19.85	19.93	
Channel				20407	20525	20943	23.5
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.69	22.78	22.75	23.5
1.4	QPSK	1	3	22.72	22.75	22.58	
1.4	QPSK	1	5	22.71	22.72	22.70	
1.4	QPSK	3	0	21.84	21.88	21.86	22.5
1.4	QPSK	3	1	21.85	21.92	21.93	
1.4	QPSK	3	3	21.75	21.64	21.83	
1.4	QPSK	6	0	21.95	21.85	21.67	22.5
1.4	16QAM	1	0	22.09	22.06	21.81	
1.4	16QAM	1	3	21.98	21.84	21.63	
1.4	16QAM	1	5	21.93	21.81	21.80	22.5
1.4	16QAM	3	0	20.97	20.89	20.78	
1.4	16QAM	3	1	20.72	20.72	20.94	
1.4	16QAM	3	3	20.82	20.73	20.74	21.5
1.4	16QAM	6	0	20.90	20.77	20.88	
1.4	64QAM	1	0	20.67	20.86	20.51	
1.4	64QAM	1	3	20.73	20.73	20.73	21.5
1.4	64QAM	1	5	20.86	20.86	20.84	
1.4	64QAM	3	0	19.97	19.77	19.80	
1.4	64QAM	3	1	19.91	19.93	19.85	20.5
1.4	64QAM	3	3	19.87	19.74	19.66	
1.4	64QAM	6	0	19.89	19.74	19.76	

Band 7 (2600MHz Band) (dBm)							
Part 27							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	23.5
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.69	22.74	22.71	23.5
20	QPSK	1	49	22.51	22.66	22.61	
20	QPSK	1	99	22.65	22.56	22.63	
20	QPSK	50	0	21.73	21.86	21.82	22.5
20	QPSK	50	24	21.66	21.50	21.64	
20	QPSK	50	50	21.72	21.61	21.56	
20	QPSK	100	0	21.59	21.57	21.55	22.5
20	16QAM	1	0	21.89	21.84	21.61	
20	16QAM	1	49	21.67	21.63	21.74	
20	16QAM	1	99	21.71	21.56	21.74	21.5
20	16QAM	50	0	20.61	20.77	20.78	
20	16QAM	50	24	20.50	20.62	20.73	
20	16QAM	50	50	20.65	20.45	20.55	21.5
20	16QAM	100	0	20.76	20.51	20.65	
20	64QAM	1	0	20.80	20.52	20.68	
20	64QAM	1	49	20.50	20.76	20.72	21.5
20	64QAM	1	99	20.73	20.72	20.63	
20	64QAM	50	0	19.71	19.75	19.66	
20	64QAM	50	24	19.79	19.83	19.80	20.5
20	64QAM	50	50	19.63	19.68	19.58	
20	64QAM	100	0	19.51	19.63	19.68	
Channel				20825	21100	21375	23.5
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.66	22.70	22.57	23.5
15	QPSK	1	37	22.59	22.69	22.60	
15	QPSK	1	74	22.46	22.58	22.45	
15	QPSK	36	0	21.73	21.71	21.74	22.5
15	QPSK	36	20	21.72	21.57	21.80	
15	QPSK	36	39	21.81	21.73	21.74	
15	QPSK	75	0	21.39	21.57	21.76	22.5
15	16QAM	1	0	21.88	21.85	21.70	
15	16QAM	1	37	21.67	21.61	21.78	
15	16QAM	1	74	21.46	21.78	21.67	21.5
15	16QAM	36	0	20.71	20.55	20.73	
15	16QAM	36	20	20.54	20.71	20.83	
15	16QAM	36	39	20.62	20.45	20.47	21.5
15	16QAM	75	0	20.63	20.63	20.74	
15	64QAM	1	0	20.67	20.49	20.53	
15	64QAM	1	37	20.52	20.71	20.72	21.5
15	64QAM	1	74	20.77	20.85	20.46	
15	64QAM	36	0	19.83	19.54	19.51	
15	64QAM	36	20	19.76	19.78	19.57	20.5
15	64QAM	36	39	19.62	19.52	19.70	
15	64QAM	75	0	19.79	19.57	19.54	
Channel				20800	21100	21400	23.5
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.64	22.71	22.64	23.5
10	QPSK	1	25	22.52	22.68	22.54	
10	QPSK	1	49	22.61	22.54	22.66	
10	QPSK	25	0	21.56	21.58	21.84	22.5
10	QPSK	25	12	21.59	21.57	21.70	
10	QPSK	25	25	21.59	21.64	21.65	
10	QPSK	50	0	21.57	21.66	21.44	22.5
10	16QAM	1	0	21.76	21.62	21.74	
10	16QAM	1	25	21.56	21.48	21.59	
10	16QAM	1	49	21.44	21.56	21.50	21.5
10	16QAM	25	0	20.60	20.65	20.77	
10	16QAM	25	12	20.76	20.60	20.60	
10	16QAM	25	25	20.54	20.54	20.46	21.5
10	16QAM	50	0	20.76	20.63	20.59	
10	64QAM	1	0	20.56	20.64	20.63	
10	64QAM	1	25	20.64	20.81	20.72	21.5
10	64QAM	1	49	20.74	20.70	20.68	
10	64QAM	25	0	19.52	19.56	19.56	
10	64QAM	25	12	19.71	19.70	19.80	20.5
10	64QAM						

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	
10	QPSK	1	0	23.16	23.36	23.30	24
10	QPSK	1	25	23.15	23.23	23.15	
10	QPSK	1	49	23.29	23.31	23.33	
10	QPSK	25	0	22.21	22.41	22.21	23
10	QPSK	25	12	22.02	22.33	22.22	
10	QPSK	25	25	22.33	22.39	22.16	
10	QPSK	50	0	21.90	22.24	22.04	23
10	16QAM	1	0	22.33	22.25	22.25	
10	16QAM	1	25	22.25	22.22	22.44	
10	16QAM	1	49	22.19	22.42	22.49	22
10	16QAM	25	0	21.16	21.24	21.17	
10	16QAM	25	12	21.34	21.25	21.34	
10	16QAM	25	25	21.22	21.12	21.02	22
10	16QAM	50	0	21.20	21.27	21.28	
10	64QAM	1	0	21.25	21.33	21.15	
10	64QAM	1	25	21.38	21.25	21.02	22
10	64QAM	1	49	21.17	21.22	21.24	
10	64QAM	25	0	20.30	20.41	20.38	
10	64QAM	25	12	20.17	20.35	20.27	21
10	64QAM	25	25	20.13	20.13	20.39	
10	64QAM	50	0	20.24	20.19	20.06	
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.25	23.33	23.29	24
5	QPSK	1	12	23.04	23.02	23.07	
5	QPSK	1	24	23.19	23.15	23.17	
5	QPSK	12	0	22.21	22.39	22.35	23
5	QPSK	12	7	22.29	22.22	22.22	
5	QPSK	12	13	22.24	22.41	22.17	
5	QPSK	25	0	22.02	22.08	22.17	23
5	16QAM	1	0	22.26	22.30	22.41	
5	16QAM	1	12	22.17	22.26	22.44	
5	16QAM	1	24	22.14	22.26	22.29	22
5	16QAM	12	0	21.41	21.44	21.27	
5	16QAM	12	7	21.39	21.37	21.19	
5	16QAM	12	13	21.43	21.12	21.21	22
5	16QAM	25	0	21.22	21.26	21.29	
5	64QAM	1	0	21.13	21.42	21.31	
5	64QAM	1	12	21.18	21.33	21.16	22
5	64QAM	1	24	21.28	21.43	21.29	
5	64QAM	12	0	20.12	20.32	20.12	
5	64QAM	12	7	20.08	20.30	20.28	21
5	64QAM	12	13	20.18	20.08	20.33	
5	64QAM	25	0	20.15	19.94	20.11	
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.24	23.28	23.18	24
3	QPSK	1	8	23.21	23.22	23.19	
3	QPSK	1	14	23.15	23.08	23.11	
3	QPSK	8	0	22.31	22.31	22.28	23
3	QPSK	8	4	22.26	22.06	22.06	
3	QPSK	8	7	22.29	22.29	22.11	
3	QPSK	15	0	22.11	22.08	22.00	23
3	16QAM	1	0	22.29	22.22	22.18	
3	16QAM	1	8	22.38	22.17	22.26	
3	16QAM	1	14	22.00	22.17	22.14	22
3	16QAM	8	0	21.15	21.23	21.20	
3	16QAM	8	4	21.35	21.33	21.19	
3	16QAM	8	7	21.29	21.14	21.16	22
3	16QAM	15	0	21.19	21.13	21.18	
3	64QAM	1	0	21.09	21.40	21.33	
3	64QAM	1	8	21.33	21.29	21.18	22
3	64QAM	1	14	21.11	21.44	21.30	
3	64QAM	8	0	20.15	20.28	20.33	
3	64QAM	8	4	20.16	20.26	20.31	21
3	64QAM	8	7	20.11	20.08	20.36	
3	64QAM	15	0	20.07	20.23	20.04	
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.28	23.30	23.14	24
1.4	QPSK	1	3	23.13	23.16	23.10	
1.4	QPSK	1	5	23.11	23.23	23.14	
1.4	QPSK	3	0	22.18	22.49	22.24	23
1.4	QPSK	3	1	22.21	22.28	22.21	
1.4	QPSK	3	3	22.42	22.40	22.24	
1.4	QPSK	6	0	22.16	22.27	22.05	23
1.4	16QAM	1	0	22.23	22.21	22.22	
1.4	16QAM	1	3	22.17	22.38	22.44	
1.4	16QAM	1	5	22.10	22.21	22.15	23
1.4	16QAM	3	0	21.11	21.27	21.21	
1.4	16QAM	3	1	21.27	21.37	21.16	
1.4	16QAM	3	3	21.43	21.15	21.11	22
1.4	16QAM	6	0	21.33	21.22	21.09	
1.4	64QAM	1	0	21.04	21.26	21.17	
1.4	64QAM	1	3	21.26	21.26	21.14	22
1.4	64QAM	1	5	21.26	21.25	21.45	
1.4	64QAM	3	0	20.19	20.23	20.32	
1.4	64QAM	3	1	20.24	20.33	20.39	21
1.4	64QAM	3	3	20.15	20.12	20.41	
1.4	64QAM	6	0	20.19	19.98	20.14	

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		23.29		24
10	QPSK	1	25		23.21		
10	QPSK	1	49		23.20		
10	QPSK	25	0		22.45		23
10	QPSK	25	12		22.21		
10	QPSK	25	25		22.50		
10	QPSK	50	0		22.16		23
10	16QAM	1	0		22.39		
10	16QAM	1	25		22.31		
10	16QAM	1	49		22.30		22
10	16QAM	25	0		21.45		
10	16QAM	25	12		21.37		
10	16QAM	25	25		21.09		22
10	16QAM	50	0		21.19		
10	64QAM	1	0		21.48		
10	64QAM	1	25		21.37		22
10	64QAM	1	49		21.31		
10	64QAM	25	0		20.28		
10	64QAM	25	12		20.18		21
10	64QAM	25	25		20.19		
10	64QAM	50	0		20.02		
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.15	23.25	23.17	24
5	QPSK	1	12	23.16	23.20	23.19	
5	QPSK	1	24	23.16	23.06	23.13	
5	QPSK	12	0	22.38	22.30	22.19	23
5	QPSK	12	7	22.05	22.24	22.26	
5	QPSK	12	13	22.41	22.28	22.27	
5	QPSK	25	0	22.16	22.37	22.15	23
5	16QAM	1	0	22.24	22.36	22.20	
5	16QAM	1	12	22.39	22.37	22.42	
5	16QAM	1	24	22.08	22.37	22.50	22
5	16QAM	12	0	21.25	21.22	21.17	
5	16QAM	12	7	21.42	21.37	21.38	
5	16QAM	12	13	21.43	21.07	21.11	22
5	16QAM	25	0	21.28	21.03	21.15	
5	64QAM	1	0	21.10	21.26	21.27	
5	64QAM	1	12	21.30	21.27	21.29	22
5	64QAM	1	24	21.08	21.38	21.40	
5	64QAM	12	0	20.20	20.20	20.31	
5	64QAM	12	7	20.01	20.25	20.25	21
5	64QAM	12	13	20.06	20.18	20.33	
5	64QAM	25	0	20.03	20.04	20.16	

Band 14 (700MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23330			
Frequency (MHz)				793			
10	QPSK	1	0		23.35		24
10	QPSK	1	25		23.13		
10	QPSK	1	49		23.26		23
10	QPSK	25	0		22.29		
10	QPSK	25	12		22.32		23
10	QPSK	25	25		22.31		
10	QPSK	50	0		22.37		23
10	16QAM	1	0		22.33		
10	16QAM	1	25		22.33		22
10	16QAM	1	49		22.42		
10	16QAM	25	0		21.45		22
10	16QAM	25	12		21.09		
10	16QAM	25	25		21.22		22
10	16QAM	50	0		21.26		
10	64QAM	1	0		21.22		22
10	64QAM	1	25		21.44		
10	64QAM	1	49		21.25		21
10	64QAM	25	0		20.34		
10	64QAM	25	12		20.29		21
10	64QAM	25	25		20.13		
10	64QAM	50	0		20.14		
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	23.23	23.31	23.23	24
5	QPSK	1	12	23.18	23.22	23.09	
5	QPSK	1	24	23.12	23.25	23.20	23
5	QPSK	12	0	22.32	22.40	22.36	
5	QPSK	12	7	22.12	22.34	22.25	23
5	QPSK	12	13	22.15	22.30	22.06	
5	QPSK	25	0	21.95	22.18	22.11	23
5	16QAM	1	0	22.34	22.31	22.28	
5	16QAM	1	12	22.18	22.23	22.13	22
5	16QAM	1	24	22.14	22.19	22.19	
5	16QAM	12	0	21.19	21.33	21.24	22
5	16QAM	12	7	21.31	21.36	21.25	
5	16QAM	12	13	21.18	21.10	21.05	22
5	16QAM	25	0	21.22	21.19	21.12	
5	64QAM	1	0	21.16	21.38	21.40	22
5	64QAM	1	12	21.32	21.24	21.26	
5	64QAM	1	24	21.14	21.33	21.29	21
5	64QAM	12	0	20.32	20.32	20.25	
5	64QAM	12	7	20.15	20.12	20.33	21
5	64QAM	12	13	20.09	20.14	20.23	
5	64QAM	25	0	20.10	20.11	20.05	

Band 17 (700MHz Band) (dBm) Part 27H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.26	23.29	23.13	24
10	QPSK	1	25	22.92	23.20	23.05	
10	QPSK	1	49	23.21	23.18	23.21	23
10	QPSK	25	0	22.27	22.42	22.31	
10	QPSK	25	12	22.13	22.28	22.22	23
10	QPSK	25	25	22.30	22.26	22.06	
10	QPSK	50	0	22.10	22.18	22.15	23
10	16QAM	1	0	22.37	22.33	22.26	
10	16QAM	1	25	22.37	22.31	22.37	22
10	16QAM	1	49	22.15	22.36	22.30	
10	16QAM	25	0	21.26	21.36	21.20	22
10	16QAM	25	12	21.17	21.09	21.22	
10	16QAM	25	25	21.35	21.08	21.09	22
10	16QAM	50	0	21.34	21.01	21.05	
10	64QAM	1	0	21.11	21.29	21.35	22
10	64QAM	1	25	21.30	21.26	21.20	
10	64QAM	1	49	21.12	21.38	21.25	21
10	64QAM	25	0	20.14	20.23	20.24	
10	64QAM	25	12	20.09	20.17	20.24	21
10	64QAM	25	25	20.05	20.05	20.28	
10	64QAM	50	0	20.24	20.15	20.27	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.19	23.26	23.17	24
5	QPSK	1	12	23.18	23.25	23.11	
5	QPSK	1	24	23.11	23.18	23.15	23
5	QPSK	12	0	22.34	22.35	22.25	
5	QPSK	12	7	22.30	22.09	22.29	23
5	QPSK	12	13	22.26	22.33	22.04	
5	QPSK	25	0	22.15	22.21	22.06	23
5	16QAM	1	0	22.34	22.41	22.34	
5	16QAM	1	12	22.25	22.33	22.36	22
5	16QAM	1	24	22.07	22.28	22.29	
5	16QAM	12	0	21.11	21.28	21.22	22
5	16QAM	12	7	21.23	21.19	21.18	
5	16QAM	12	13	21.26	21.10	21.25	22
5	16QAM	25	0	21.18	21.05	21.24	
5	64QAM	1	0	21.17	21.20	21.29	22
5	64QAM	1	12	21.17	21.41	21.30	
5	64QAM	1	24	21.36	21.35	21.43	21
5	64QAM	12	0	20.16	20.38	20.33	
5	64QAM	12	7	20.04	20.15	20.35	21
5	64QAM	12	13	20.03	20.16	20.32	
5	64QAM	25	0	20.07	20.05	20.30	

Band 18 (835MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23925	23925	23925	23.5
Frequency (MHz)				822.5	822.5	822.5	
15	QPSK	1	0	22.59	22.69	22.62	23.5
15	QPSK	1	37	22.51	22.66	22.67	
15	QPSK	1	74	22.61	22.66	22.55	
15	QPSK	36	0	21.77	21.86	21.78	22.5
15	QPSK	36	20	21.66	21.77	21.65	
15	QPSK	36	39	21.69	21.82	21.64	
15	QPSK	75	0	21.68	21.69	21.52	22.5
15	16QAM	1	0	21.72	21.89	21.82	
15	16QAM	1	37	21.67	21.81	21.87	
15	16QAM	1	74	21.47	21.69	21.74	21.5
15	16QAM	36	0	20.63	20.86	20.83	
15	16QAM	36	20	20.70	20.63	20.76	
15	16QAM	36	39	20.75	20.60	20.55	21.5
15	16QAM	75	0	20.70	20.80	20.79	
15	64QAM	1	0	20.56	20.90	20.89	
15	64QAM	1	25	20.75	20.89	20.78	21.5
15	64QAM	1	49	20.74	20.75	20.66	
15	64QAM	25	0	19.85	19.83	19.66	
15	64QAM	25	12	19.72	19.75	19.82	20.5
15	64QAM	25	25	19.63	19.53	19.69	
15	64QAM	50	0	19.69	19.67	19.65	
Channel				23900	23925	23950	23.5
Frequency (MHz)				820	822.5	825	
10	QPSK	1	0	22.62	22.65	22.57	23.5
10	QPSK	1	25	22.51	22.60	22.61	
10	QPSK	1	49	22.61	22.57	22.59	
10	QPSK	25	0	21.78	21.93	21.80	22.5
10	QPSK	25	12	21.60	21.84	21.57	
10	QPSK	25	25	21.91	21.75	21.80	
10	QPSK	50	0	21.54	21.88	21.62	22.5
10	16QAM	1	0	21.70	21.93	21.90	
10	16QAM	1	25	21.72	21.92	21.85	
10	16QAM	1	49	21.56	21.72	21.87	21.5
10	16QAM	25	0	20.70	20.95	20.94	
10	16QAM	25	12	20.92	20.70	20.79	
10	16QAM	25	25	20.84	20.58	20.61	21.5
10	16QAM	50	0	20.94	20.69	20.69	
10	64QAM	1	0	20.68	20.73	20.67	
10	64QAM	1	25	20.90	20.97	20.80	21.5
10	64QAM	1	49	20.83	20.73	20.96	
10	64QAM	25	0	19.79	19.75	19.81	
10	64QAM	25	12	19.66	19.70	19.69	20.5
10	64QAM	25	25	19.48	19.68	19.77	
10	64QAM	50	0	19.75	19.69	19.73	
Channel				23875	23925	23975	23.5
Frequency (MHz)				817.5	822.5	827.5	
5	QPSK	1	0	22.66	22.68	22.61	23.5
5	QPSK	1	12	22.63	22.56	22.52	
5	QPSK	1	24	22.58	22.62	22.81	
5	QPSK	12	0	21.71	21.88	21.78	22.5
5	QPSK	12	7	21.65	21.57	21.64	
5	QPSK	12	13	21.87	21.73	21.62	
5	QPSK	25	0	21.58	21.63	21.56	22.5
5	16QAM	1	0	21.91	21.74	21.90	
5	16QAM	1	12	21.82	21.71	21.98	
5	16QAM	1	24	21.63	21.92	21.94	21.5
5	16QAM	12	0	20.78	20.83	20.65	
5	16QAM	12	7	20.86	20.60	20.60	
5	16QAM	12	13	20.81	20.66	20.44	21.5
5	16QAM	25	0	20.74	20.55	20.65	
5	64QAM	1	0	20.70	20.77	20.64	
5	64QAM	1	12	20.68	20.90	20.72	21.5
5	64QAM	1	24	20.62	20.93	20.91	
5	64QAM	12	0	19.65	19.88	19.87	
5	64QAM	12	7	19.78	19.67	19.82	20.5
5	64QAM	12	13	19.52	19.68	19.74	
5	64QAM	25	0	19.70	19.48	19.68	

Band 19 (835MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				24075	24075	24075	23.5
Frequency (MHz)				837.5	837.5	837.5	
15	QPSK	1	0	22.60	22.65	22.58	23.5
15	QPSK	1	37	22.52	22.63	22.57	
15	QPSK	1	74	22.59	22.55	22.54	
15	QPSK	36	0	21.83	21.85	21.80	22.5
15	QPSK	36	20	21.75	21.73	21.61	
15	QPSK	36	39	21.75	21.69	21.52	
15	QPSK	75	0	21.54	21.66	21.64	22.5
15	16QAM	1	0	21.68	21.73	21.73	
15	16QAM	1	37	21.59	21.67	21.77	
15	16QAM	1	74	21.52	21.66	21.59	21.5
15	16QAM	36	0	20.70	20.85	20.82	
15	16QAM	36	20	20.78	20.67	20.73	
15	16QAM	36	39	20.70	20.53	20.71	21.5
15	16QAM	75	0	20.85	20.53	20.56	
15	64QAM	1	0	20.65	20.77	20.79	
15	64QAM	1	25	20.67	20.79	20.62	21.5
15	64QAM	1	49	20.62	20.84	20.71	
15	64QAM	25	0	19.85	19.79	19.76	
15	64QAM	25	12	19.70	19.74	19.84	20.5
15	64QAM	25	25	19.58	19.52	19.80	
15	64QAM	50	0	19.72	19.67	19.81	
Channel				24050	24075	24100	23.5
Frequency (MHz)				835	837.5	840	
10	QPSK	1	0	22.59	22.63	22.61	23.5
10	QPSK	1	25	22.61	22.57	22.59	
10	QPSK	1	49	22.60	22.54	22.55	
10	QPSK	25	0	21.73	21.88	21.77	22.5
10	QPSK	25	12	21.77	21.82	21.64	
10	QPSK	25	25	21.82	21.83	21.74	
10	QPSK	50	0	21.55	21.73	21.72	22.5
10	16QAM	1	0	21.81	21.86	21.75	
10	16QAM	1	25	21.73	21.62	21.60	
10	16QAM	1	49	21.59	21.66	21.90	21.5
10	16QAM	25	0	20.88	20.82	20.81	
10	16QAM	25	12	20.84	20.75	20.73	
10	16QAM	25	25	20.77	20.64	20.53	21.5
10	16QAM	50	0	20.89	20.72	20.61	
10	64QAM	1	0	20.68	20.80	20.79	
10	64QAM	1	25	20.68	20.82	20.51	21.5
10	64QAM	1	49	20.84	20.73	20.80	
10	64QAM	25	0	19.61	19.86	19.80	
10	64QAM	25	12	19.77	19.83	19.79	20.5
10	64QAM	25	25	19.52	19.67	19.79	
10	64QAM	50	0	19.64	19.68	19.52	
Channel				24025	24075	24125	23.5
Frequency (MHz)				832.5	837.5	842.5	
5	QPSK	1	0	22.60	22.61	22.57	20.56
5	QPSK	1	12	22.58	22.60	22.57	
5	QPSK	1	24	22.52	22.54	22.52	
5	QPSK	12	0	21.74	21.80	21.73	19.56
5	QPSK	12	7	21.65	21.66	21.80	
5	QPSK	12	13	21.87	21.80	21.62	
5	QPSK	25	0	21.51	21.70	21.56	19.56
5	16QAM	1	0	21.75	21.74	21.75	
5	16QAM	1	12	21.72	21.71	21.85	
5	16QAM	1	24	21.70	21.68	22.05	18.56
5	16QAM	12	0	20.73	20.75	20.85	
5	16QAM	12	7	20.67	20.59	20.76	
5	16QAM	12	13	20.79	20.55	20.70	18.56
5	16QAM	25	0	20.87	20.75	20.71	
5	64QAM	1	0	20.69	20.93	20.92	
5	64QAM	1	12	20.86	20.73	20.64	17.56
5	64QAM	1	24	20.81	20.80	20.95	
5	64QAM	12	0	19.66	19.84	19.64	
5	64QAM	12	7	19.58	19.64	19.76	17.56
5	64QAM	12	13	19.49	19.52	19.96	
5	64QAM	25	0	19.61	19.74	19.70	

Band 25 (1900MHz Band) (dBm)							
Part 24E							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26140	26365	26590	22
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	0	21.39	21.42	21.35	21
20	QPSK	1	49	21.34	21.30	21.33	
20	QPSK	1	99	21.13	21.19	21.28	
20	QPSK	50	0	20.36	20.46	20.34	21
20	QPSK	50	24	20.30	20.31	20.37	
20	QPSK	50	50	20.23	20.29	20.33	
20	QPSK	100	0	20.36	20.44	20.38	21
20	16QAM	1	0	20.46	20.45	20.48	
20	16QAM	1	49	20.40	20.40	20.47	
20	16QAM	1	99	20.26	20.44	20.21	20
20	16QAM	50	0	19.34	19.42	19.49	
20	16QAM	50	24	19.39	19.45	19.40	
20	16QAM	50	50	19.42	19.47	19.45	20
20	16QAM	100	0	19.18	19.24	19.47	
20	64QAM	1	0	19.28	19.24	19.31	
20	64QAM	1	49	19.33	19.40	19.24	20
20	64QAM	1	99	19.24	19.35	19.46	
20	64QAM	50	0	18.44	18.23	18.40	
20	64QAM	50	24	18.38	18.31	18.29	19
20	64QAM	50	50	18.30	18.29	18.17	
20	64QAM	100	0	18.24	18.29	18.26	
Channel				26115	26365	26615	22
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	0	21.35	21.40	21.28	21
15	QPSK	1	37	21.25	21.27	21.39	
15	QPSK	1	74	21.13	21.30	21.33	
15	QPSK	36	0	20.21	20.40	20.31	21
15	QPSK	36	20	20.42	20.38	20.33	
15	QPSK	36	39	20.28	20.27	20.32	
15	QPSK	75	0	20.04	20.27	20.28	21
15	16QAM	1	0	20.27	20.40	20.29	
15	16QAM	1	37	20.34	20.17	20.36	
15	16QAM	1	74	20.26	20.24	20.37	20
15	16QAM	36	0	19.40	19.35	19.35	
15	16QAM	36	20	19.24	19.12	19.29	
15	16QAM	36	39	19.38	19.38	19.35	20
15	16QAM	75	0	19.26	19.48	19.41	
15	64QAM	1	0	19.44	19.29	19.21	
15	64QAM	1	37	19.28	19.34	19.29	20
15	64QAM	1	74	19.22	19.36	19.32	
15	64QAM	36	0	18.38	18.24	18.32	
15	64QAM	36	20	18.28	18.29	18.28	19
15	64QAM	36	39	18.14	18.42	18.36	
15	64QAM	75	0	18.34	18.26	18.21	
Channel				26090	26365	26640	22
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	0	21.24	21.39	21.29	21
10	QPSK	1	25	21.25	21.24	21.30	
10	QPSK	1	49	21.38	21.26	21.18	
10	QPSK	25	0	20.25	20.34	20.42	21
10	QPSK	25	12	20.31	20.39	20.23	
10	QPSK	25	25	20.26	20.27	20.37	
10	QPSK	50	0	20.21	20.27	20.19	21
10	16QAM	1	0	20.40	20.36	20.23	
10	16QAM	1	25	20.49	20.23	20.36	
10	16QAM	1	49	20.24	20.49	20.24	20
10	16QAM	25	0	19.29	19.33	19.41	
10	16QAM	25	12	19.27	19.37	19.48	
10	16QAM	25	25	19.27	19.40	19.23	20
10	16QAM	50	0	19.29	19.46	19.34	
10	64QAM	1	0	19.29	19.38	19.38	
10	64QAM	1	25	19.42	19.37	19.30	20
10	64QAM	1	49	19.41	19.28	19.16	
10	64QAM	25	0	18.30	18.25	18.27	
10	64QAM	25	12	18.33	18.42	18.33	19
10	64QAM	25	25	18.20	18.27	18.29	
10	64QAM	50	0	18.31	18.41	18.26	
Channel				26065	26365	26665	22
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	0	21.16	21.35	21.18	21
5	QPSK	1	12	21.15	21.29	21.20	
5	QPSK	1	24	21.09	21.05	21.25	
5	QPSK	12	0	20.24	20.37	20.23	21
5	QPSK	12	7	20.27	20.28	20.34	
5	QPSK	12	13	20.24	20.28	20.14	
5	QPSK	25	0	20.13	20.26	20.33	21
5	16QAM	1	0	20.32	20.38	20.28	
5	16QAM	1	12	20.39	20.31	20.30	
5	16QAM	1	24	20.24	20.22	20.29	20
5	16QAM	12	0	19.41	19.44	19.35	
5	16QAM	12	7	19.16	19.36	19.33	
5	16QAM	12	13	19.27	19.18	19.24	20
5	16QAM	25	0	19.41	19.34	19.30	
5	64QAM	1	0	19.46	19.47	19.26	
5	64QAM	1	12	19.26	19.33	19.41	20
5	64QAM	1	24	19.37	19.45	19.39	
5	64QAM	12	0	18.39	18.29	18.20	
5	64QAM	12	7	18.34	18.36	18.25	19
5	64QAM	12	13	18.34	18.36	18.31	
5	64QAM	25	0	18.29	18.37	18.33	
Channel				26055	26365	26675	22
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	21.34	21.38	21.29	21
3	QPSK	1	8	21.08	21.23	21.18	
3	QPSK	1	14	21.31	21.36	21.12	
3	QPSK	8	0	20.20	20.28	20.23	21
3	QPSK	8	4	20.29	20.31	20.29	
3	QPSK	8	7	20.26	20.20	20.35	

Band 26 for FCC (dBm)							
(only on channel required)							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	23.5
Frequency (MHz)				831.5	831.5	841.5	
15	QPSK	1	0	22.62	22.83	22.72	22.5
15	QPSK	1	37	22.71	22.71	22.57	
15	QPSK	1	74	22.79	22.74	22.70	
15	QPSK	36	0	21.90	21.84	21.92	22.5
15	QPSK	36	20	21.60	21.84	21.60	
15	QPSK	36	39	21.81	21.86	21.71	
15	QPSK	75	0	21.59	21.64	21.49	22.5
15	16QAM	1	0	21.74	21.88	21.83	
15	16QAM	1	37	21.61	21.73	21.87	
15	16QAM	1	74	21.47	21.75	21.77	21.5
15	16QAM	36	0	20.84	20.88	20.68	
15	16QAM	36	20	20.72	20.76	20.77	
15	16QAM	36	39	20.70	20.77	20.73	21.5
15	16QAM	75	0	20.83	20.75	20.71	
15	64QAM	1	0	20.61	20.80	20.92	
15	64QAM	1	37	20.82	20.89	20.67	21.5
15	64QAM	1	74	20.82	20.83	20.96	
15	64QAM	36	0	19.60	19.72	19.81	
15	64QAM	36	20	19.57	19.83	19.72	20.5
15	64QAM	36	39	19.59	19.68	19.81	
15	64QAM	75	0	19.52	19.64	19.69	
Channel				26740	26865	26990	23.5
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	22.71	22.81	22.77	22.5
10	QPSK	1	25	22.59	22.63	22.67	
10	QPSK	1	49	22.79	22.63	22.78	
10	QPSK	25	0	21.73	21.80	21.66	22.5
10	QPSK	25	12	21.71	21.64	21.66	
10	QPSK	25	25	21.91	21.88	21.61	
10	QPSK	50	0	21.51	21.68	21.46	22.5
10	16QAM	1	0	21.94	22.01	21.71	
10	16QAM	1	25	21.83	21.74	21.88	
10	16QAM	1	49	21.70	21.84	21.82	21.5
10	16QAM	25	0	20.75	20.74	20.97	
10	16QAM	25	12	20.80	20.85	20.86	
10	16QAM	25	25	20.91	20.70	20.70	21.5
10	16QAM	50	0	20.91	20.58	20.49	
10	64QAM	1	0	20.62	20.90	20.80	
10	64QAM	1	25	20.91	20.96	20.79	21.5
10	64QAM	1	49	20.67	20.95	20.67	
10	64QAM	25	0	19.75	19.72	19.87	
10	64QAM	25	12	19.64	19.86	19.92	20.5
10	64QAM	25	25	19.58	19.60	19.83	
10	64QAM	50	0	19.56	19.66	19.75	
Channel				26715	26865	27015	23.5
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	22.76	22.78	22.77	22.5
5	QPSK	1	12	22.64	22.52	22.57	
5	QPSK	1	24	22.63	22.69	22.68	
5	QPSK	12	0	21.85	21.89	21.69	22.5
5	QPSK	12	7	21.50	21.56	21.78	
5	QPSK	12	13	21.67	21.94	21.53	
5	QPSK	25	0	21.48	21.68	21.60	22.5
5	16QAM	1	0	21.88	21.91	21.80	
5	16QAM	1	12	21.68	21.86	21.85	
5	16QAM	1	24	21.49	21.69	21.86	21.5
5	16QAM	12	0	20.81	20.79	20.72	
5	16QAM	12	7	20.88	20.87	20.82	
5	16QAM	12	13	20.8			

3	QPSK	15	0	20.19	20.22	20.29	21
3	16QAM	1	0	20.39	20.44	20.43	
3	16QAM	1	8	20.24	20.32	20.41	
3	16QAM	1	14	20.22	20.38	20.21	20
3	16QAM	8	0	19.37	19.38	19.40	
3	16QAM	8	4	19.41	19.18	19.22	
3	16QAM	8	7	19.32	19.15	19.39	20
3	16QAM	15	0	19.28	19.36	19.43	
3	64QAM	1	0	19.33	19.41	19.36	
3	64QAM	1	8	19.35	19.27	19.41	19
3	64QAM	1	14	19.26	19.34	19.16	
3	64QAM	8	0	18.34	18.24	18.32	
3	64QAM	8	4	18.30	18.29	18.25	19
3	64QAM	8	7	18.05	18.08	18.21	
3	64QAM	15	0	18.22	18.22	18.39	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	21.34	21.37	21.26	22
1.4	QPSK	1	3	21.27	21.25	21.07	
1.4	QPSK	1	5	21.30	21.22	21.11	
1.4	QPSK	3	0	20.30	20.42	20.39	
1.4	QPSK	3	1	20.34	20.17	20.36	
1.4	QPSK	3	3	20.39	20.40	20.27	21
1.4	QPSK	6	0	20.23	20.33	20.44	
1.4	16QAM	1	0	20.23	20.44	20.31	
1.4	16QAM	1	3	20.30	20.32	20.45	20
1.4	16QAM	1	5	20.40	20.24	20.31	
1.4	16QAM	3	0	19.29	19.59	19.70	
1.4	16QAM	3	1	19.24	19.35	19.42	19
1.4	16QAM	3	3	19.36	19.42	19.43	
1.4	16QAM	6	0	19.30	19.22	19.42	
1.4	64QAM	1	0	19.20	19.48	19.19	20
1.4	64QAM	1	3	19.21	19.37	19.35	
1.4	64QAM	1	5	19.33	19.36	19.27	
1.4	64QAM	3	0	18.38	18.35	18.38	19
1.4	64QAM	3	1	18.30	18.31	18.29	
1.4	64QAM	3	3	18.40	18.30	18.34	
1.4	64QAM	6	0	18.22	18.29	18.37	

1.4	QPSK	6	0	21.51	21.78	21.65	22.5
1.4	16QAM	1	0	21.77	21.87	21.80	
1.4	16QAM	1	3	21.62	21.72	21.82	
1.4	16QAM	1	5	21.71	21.67	21.75	21.5
1.4	16QAM	3	0	20.71	20.90	20.72	
1.4	16QAM	3	1	20.74	20.78	20.65	
1.4	16QAM	3	3	20.80	20.72	20.65	21.5
1.4	16QAM	6	0	20.74	20.61	20.57	
1.4	64QAM	1	0	20.64	20.83	20.85	
1.4	64QAM	1	3	20.85	20.79	20.64	21.5
1.4	64QAM	1	5	20.73	20.74	20.83	
1.4	64QAM	3	0	19.67	19.74	19.86	
1.4	64QAM	3	1	19.70	19.85	19.75	20.5
1.4	64QAM	3	3	19.62	19.53	19.90	
1.4	64QAM	6	0	19.57	19.50	19.58	

Band 30 (dBm)							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				27710			
Frequency (MHz)				2310			
10	QPSK	1	0		22.86		23.5
10	QPSK	1	25		22.71		
10	QPSK	1	49		22.57		
10	QPSK	25	0		21.75		22.5
10	QPSK	25	12		21.82		
10	QPSK	25	25		21.74		
10	QPSK	50	0		21.80		22.5
10	16QAM	1	0		21.97		
10	16QAM	1	25		21.77		
10	16QAM	1	49		21.83		21.5
10	16QAM	25	0		20.85		
10	16QAM	25	12		20.79		
10	16QAM	25	25		20.54		21.5
10	16QAM	50	0		20.59		
10	64QAM	1	0		20.90		
10	64QAM	1	25		20.77		21.5
10	64QAM	1	49		21.00		
10	64QAM	25	0		19.79		
10	64QAM	25	12		19.63		20.5
10	64QAM	25	25		19.41		
10	64QAM	50	0		19.54		
Channel				27685	27710	27735	
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.63	22.83	22.71	23.5
5	QPSK	1	12	22.68	22.52	22.41	
5	QPSK	1	24	22.75	22.78	22.55	
5	QPSK	12	0	21.77	21.84	21.81	22.5
5	QPSK	12	7	21.80	21.66	21.61	
5	QPSK	12	13	21.80	21.76	21.64	
5	QPSK	25	0	21.64	21.80	21.46	22.5
5	16QAM	1	0	21.94	21.95	21.79	
5	16QAM	1	12	21.86	21.64	22.01	
5	16QAM	1	24	21.68	21.75	21.75	21.5
5	16QAM	12	0	20.78	20.85	20.69	
5	16QAM	12	7	20.92	20.73	20.72	
5	16QAM	12	13	20.86	20.63	20.73	21.5
5	16QAM	25	0	20.84	20.64	20.62	
5	64QAM	1	0	20.53	20.70	20.66	
5	64QAM	1	12	20.87	20.82	20.68	21.5
5	64QAM	1	24	20.61	20.75	20.71	
5	64QAM	12	0	19.61	19.83	19.60	
5	64QAM	12	7	19.79	19.74	19.87	20.5
5	64QAM	12	13	19.60	19.53	19.87	
5	64QAM	25	0	19.55	19.73	19.67	

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	22.80	22.90	22.84	23.5
20	QPSK	1	49	22.70	22.80	22.61	
20	QPSK	1	99	22.79	22.66	22.73	
20	QPSK	50	0	21.85	21.87	21.66	22.5
20	QPSK	50	24	21.59	21.56	21.83	
20	QPSK	50	50	21.79	21.69	21.70	
20	QPSK	100	0	21.53	21.67	21.68	22.5
20	16QAM	1	0	21.85	21.79	21.83	
20	16QAM	1	49	21.89	21.65	21.84	
20	16QAM	1	99	21.52	21.81	21.75	21.5
20	16QAM	50	0	20.84	20.80	20.89	
20	16QAM	50	24	20.73	20.84	20.89	
20	16QAM	50	50	20.85	20.64	20.60	21.5
20	16QAM	100	0	20.82	20.76	20.54	
20	64QAM	1	0	20.64	20.88	20.65	
20	64QAM	1	49	20.91	20.77	20.61	21.5
20	64QAM	1	99	20.59	20.73	20.83	
20	64QAM	50	0	19.63	19.80	19.76	
20	64QAM	50	24	19.69	19.84	19.79	20.5
20	64QAM	50	50	19.63	19.62	19.74	
20	64QAM	100	0	19.81	19.68	19.73	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.86	22.87	22.60	23.5
15	QPSK	1	37	22.53	22.54	22.67	
15	QPSK	1	74	22.83	22.57	22.58	
15	QPSK	36	0	21.86	21.89	21.80	22.5
15	QPSK	36	20	21.64	21.79	21.72	
15	QPSK	36	39	21.73	21.79	21.51	
15	QPSK	75	0	21.60	21.74	21.64	22.5
15	16QAM	1	0	21.77	21.72	21.78	
15	16QAM	1	37	21.60	21.84	21.75	
15	16QAM	1	74	21.66	21.72	21.69	21.5
15	16QAM	36	0	20.72	20.89	20.77	
15	16QAM	36	20	20.86	20.68	20.72	
15	16QAM	36	39	20.87	20.58	20.74	21.5
15	16QAM	75	0	20.96	20.72	20.73	
15	64QAM	1	0	20.69	20.85	20.87	
15	64QAM	1	37	20.77	20.81	20.85	21.5
15	64QAM	1	74	20.86	20.88	20.73	
15	64QAM	36	0	19.70	19.84	19.78	
15	64QAM	36	20	19.72	19.68	19.77	20.5
15	64QAM	36	39	19.66	19.65	19.90	
15	64QAM	75	0	19.59	19.47	19.66	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.69	22.86	22.80	23.5
10	QPSK	1	25	22.59	22.68	22.56	
10	QPSK	1	49	22.86	22.56	22.61	
10	QPSK	25	0	21.71	21.78	21.64	22.5
10	QPSK	25	12	21.77	21.81	21.80	
10	QPSK	25	25	21.84	21.83	21.66	
10	QPSK	50	0	21.66	21.69	21.65	22.5
10	16QAM	1	0	21.75	21.84	21.74	
10	16QAM	1	25	21.71	21.75	21.69	
10	16QAM	1	49	21.52	21.74	21.64	21.5
10	16QAM	25	0	20.74	20.82	20.79	
10	16QAM	25	12	20.69	20.69	20.88	
10	16QAM	25	25	20.81	20.64	20.64	21.5
10	16QAM	50	0	20.82	20.60	20.53	
10	64QAM	1	0	20.72	20.75	20.68	
10	64QAM	1	25	20.90	20.86	20.55	21.5
10	64QAM	1	49	20.60	20.73	20.79	
10	64QAM	25	0	19.63	19.91	19.65	
10	64QAM	25	12	19.70	19.77	19.88	20.5
10	64QAM	25	25	19.56	19.55	19.80	
10	64QAM	50	0	19.55	19.51	19.53	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.80	22.85	22.78	23.5
5	QPSK	1	12	22.69	22.69	22.55	
5	QPSK	1	24	22.75	22.68	22.65	
5	QPSK	12	0	21.72	21.79	21.76	22.5
5	QPSK	12	7	21.65	21.60	21.72	
5	QPSK	12	13	21.78	21.96	21.58	
5	QPSK	25	0	21.68	21.76	21.44	22.5
5	16QAM	1	0	21.83	21.91	21.79	
5	16QAM	1	12	21.65	21.76	21.86	
5	16QAM	1	24	21.66	21.73	21.70	21.5
5	16QAM	12	0	20.86	20.88	20.67	
5	16QAM	12	7	20.68	20.78	20.87	
5	16QAM	12	13	20.77	20.63	20.59	21.5
5	16QAM	25	0	20.85	20.60	20.57	
5	64QAM	1	0	20.65	20.80	20.78	
5	64QAM	1	12	20.90	20.89	20.51	21.5
5	64QAM	1	24	20.87	20.72	20.80	
5	64QAM	12	0	19.74	19.83	19.84	
5	64QAM	12	7	19.73	19.57	19.69	20.5
5	64QAM	12	13	19.69	19.62	19.78	
5	64QAM	25	0	19.72	19.57	19.66	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.64	22.83	22.67	23.5
3	QPSK	1	8	22.68	22.71	22.56	
3	QPSK	1	14	22.74	22.60	22.73	
3	QPSK	8	0	21.74	21.91	21.88	22.5
3	QPSK	8	4	21.74	21.73	21.66	
3	QPSK	8	7	21.85	21.79	21.74	

3	QPSK	15	0	21.41	21.78	21.54	
3	16QAM	1	0	21.89	21.91	21.82	
3	16QAM	1	8	21.60	21.67	21.84	22.5
3	16QAM	1	14	21.57	21.85	21.85	
3	16QAM	8	0	20.87	20.77	20.83	
3	16QAM	8	4	20.82	20.60	20.66	21.5
3	16QAM	8	7	20.96	20.74	20.64	
3	16QAM	15	0	20.72	20.71	20.74	
3	64QAM	1	0	20.71	20.83	20.79	
3	64QAM	1	8	20.82	20.96	20.76	21.5
3	64QAM	1	14	20.76	20.78	20.84	
3	64QAM	8	0	19.84	19.81	19.70	
3	64QAM	8	4	19.78	19.57	19.75	20.5
3	64QAM	8	7	19.51	19.46	19.82	
3	64QAM	15	0	19.75	19.67	19.60	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)
1.4	QPSK	1	0	22.64	22.82	22.64	
1.4	QPSK	1	3	22.57	22.81	22.64	
1.4	QPSK	1	5	22.78	22.75	22.74	23.5
1.4	QPSK	3	0	21.77	21.90	21.71	
1.4	QPSK	3	1	21.55	21.85	21.65	
1.4	QPSK	3	3	21.83	21.82	21.60	
1.4	QPSK	6	0	21.42	21.64	21.55	22.5
1.4	16QAM	1	0	21.75	21.91	21.94	
1.4	16QAM	1	3	21.82	21.67	21.85	
1.4	16QAM	1	5	21.64	21.66	21.76	22.5
1.4	16QAM	3	0	20.64	20.79	20.81	
1.4	16QAM	3	1	20.89	20.67	20.64	
1.4	16QAM	3	3	20.72	20.68	20.63	
1.4	16QAM	6	0	20.82	20.58	20.77	21.5
1.4	64QAM	1	0	20.57	20.85	20.73	
1.4	64QAM	1	3	20.82	20.82	20.54	
1.4	64QAM	1	5	20.82	20.79	20.83	21.5
1.4	64QAM	3	0	19.80	19.88	19.77	
1.4	64QAM	3	1	19.72	19.67	19.74	
1.4	64QAM	3	3	19.52	19.70	19.77	
1.4	64QAM	6	0	19.58	19.65	19.81	20.5

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	23.5
Frequency (MHz)				673	683	688	
20	QPSK	1	0	22.56	22.64	22.57	23.5
20	QPSK	1	49	22.57	22.59	22.62	
20	QPSK	1	99	22.52	22.53	22.55	
20	QPSK	50	0	21.77	21.79	21.77	22.5
20	QPSK	50	24	21.52	21.58	21.69	
20	QPSK	50	50	21.65	21.70	21.77	
20	QPSK	100	0	21.88	21.76	21.59	22.5
20	16QAM	1	0	21.65	21.79	21.66	
20	16QAM	1	49	21.62	21.71	21.81	
20	16QAM	1	99	21.57	21.72	21.78	21.5
20	16QAM	50	0	20.62	20.84	20.77	
20	16QAM	50	24	20.70	20.65	20.67	
20	16QAM	50	50	20.85	20.62	20.58	21.5
20	16QAM	100	0	20.72	20.57	20.58	
20	64QAM	1	0	20.54	20.77	20.76	
20	64QAM	1	49	20.74	20.74	20.61	21.5
20	64QAM	1	99	20.76	20.74	20.85	
20	64QAM	50	0	19.83	19.85	19.89	
20	64QAM	50	24	19.57	19.85	19.88	20.5
20	64QAM	50	50	19.69	19.61	19.92	
20	64QAM	100	0	19.70	19.51	19.56	
Channel				133197	133297	133397	23.5
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.54	22.62	22.58	23.5
15	QPSK	1	37	22.63	22.56	22.52	
15	QPSK	1	74	22.58	22.60	22.56	
15	QPSK	36	0	21.73	21.84	21.74	22.5
15	QPSK	36	20	21.68	21.76	21.63	
15	QPSK	36	39	21.70	21.81	21.78	
15	QPSK	75	0	21.50	21.62	21.53	22.5
15	16QAM	1	0	21.88	21.88	21.84	
15	16QAM	1	37	21.61	21.83	21.82	
15	16QAM	1	74	21.58	21.78	21.76	21.5
15	16QAM	36	0	20.61	20.88	20.67	
15	16QAM	36	20	20.80	20.66	20.61	
15	16QAM	36	39	20.74	20.53	20.61	21.5
15	16QAM	75	0	20.74	20.66	20.76	
15	64QAM	1	0	20.68	20.88	20.78	
15	64QAM	1	37	20.81	20.75	20.52	21.5
15	64QAM	1	74	20.83	20.84	20.82	
15	64QAM	36	0	19.76	19.76	19.65	
15	64QAM	36	20	19.54	19.69	19.61	20.5
15	64QAM	36	39	19.57	19.57	19.86	
15	64QAM	75	0	19.70	19.62	19.55	
Channel				133172	133272	133422	23.5
Frequency (MHz)				688	678	693	
10	QPSK	1	0	22.57	22.59	22.53	23.5
10	QPSK	1	25	22.57	22.50	22.51	
10	QPSK	1	49	22.49	22.58	22.46	
10	QPSK	25	0	21.79	21.84	21.83	22.5
10	QPSK	25	12	21.72	21.72	21.73	
10	QPSK	25	25	21.75	21.81	21.76	
10	QPSK	50	0	21.50	21.64	21.48	22.5
10	16QAM	1	0	21.72	21.79	21.73	
10	16QAM	1	25	21.69	21.78	21.71	
10	16QAM	1	49	21.58	21.76	21.59	21.5
10	16QAM	25	0	20.61	20.86	20.75	
10	16QAM	25	12	20.95	20.82	20.77	
10	16QAM	25	25	20.80	20.71	20.66	21.5
10	16QAM	50	0	20.96	20.66	20.55	
10	64QAM	1	0	20.53	20.83	20.87	
10	64QAM	1	25	20.79	20.73	20.51	21.5
10	64QAM	1	49	20.74	20.64	20.74	
10	64QAM	25	0	19.72	19.71	19.78	
10	64QAM	25	12	19.52	19.61	19.84	20.5
10	64QAM	25	25	19.55	19.59	19.75	
10	64QAM	50	0	19.64	19.62	19.68	
Channel				133147	133247	133447	23.5
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	22.51	22.60	22.54	23.5
5	QPSK	1	12	22.58	22.53	22.49	
5	QPSK	1	24	22.48	22.59	22.47	
5	QPSK	12	0	21.72	21.80	21.79	22.5
5	QPSK	12	7	21.63	21.78	21.60	
5	QPSK	12	13	21.64	21.74	21.76	
5	QPSK	25	0	21.68	21.71	21.73	22.5
5	16QAM	1	0	21.78	21.83	21.85	
5	16QAM	1	12	21.82	21.76	21.89	
5	16QAM	1	24	21.75	21.79	22.02	21.5
5	16QAM	12	0	20.84	20.87	20.84	
5	16QAM	12	7	20.81	20.79	20.73	
5	16QAM	12	13	20.90	20.61	20.73	21.5
5	16QAM	25	0	20.84	20.69	20.59	
5	64QAM	1	0	20.55	20.83	20.82	
5	64QAM	1	12	20.69	20.85	20.69	21.5
5	64QAM	1	24	20.73	20.82	20.72	
5	64QAM	12	0	19.79	19.88	19.61	
5	64QAM	12	7	19.74	19.59	19.77	20.5
5	64QAM	12	13	19.84	19.66	19.75	
5	64QAM	25	0	19.59	19.72	19.66	

Band 41 PC2 (2496~2690MHz) (dBm)										
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)	
Channel				39760	40165	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.37	25.42	25.46	25.34	25.23	26	
20	QPSK	1	49	25.24	25.36	25.37	25.30	25.30		
20	QPSK	1	99	25.34	25.33	25.34	25.24	25.26		
20	QPSK	50	0	24.39	24.41	24.48	24.30	24.34		
20	QPSK	50	24	24.44	24.16	24.45	24.31	24.29	25	
20	QPSK	50	99	24.35	24.38	24.39	24.17	24.24		
20	16QAM	100	0	24.18	24.16	24.35	24.16	24.32	25	
20	16QAM	1	0	24.48	24.37	24.46	24.38	24.34		
20	16QAM	1	49	24.25	24.35	24.36	24.38	24.44	25	
20	16QAM	1	99	24.28	24.23	24.39	24.33	24.46		
20	16QAM	50	0	23.33	23.32	23.47	23.43	23.39	24	
20	16QAM	50	24	23.42	23.40	23.28	23.38	23.31		
20	16QAM	50	50	23.38	23.40	23.29	23.20	23.26	24	
20	16QAM	100	0	23.25	23.30	23.42	23.24	23.39		
20	64QAM	1	0	23.18	23.28	23.38	23.34	23.33	24	
20	64QAM	1	49	23.36	23.31	23.35	23.25	23.23		
20	64QAM	1	99	23.34	23.30	23.38	23.31	23.30	23	
20	64QAM	50	0	22.30	22.28	22.42	22.41	22.29		
20	64QAM	50	24	22.28	22.41	22.42	22.38	22.33	23	
20	64QAM	50	50	22.09	22.26	22.35	22.35	22.38		
20	64QAM	100	0	22.35	22.30	22.14	22.33	22.31		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.23	25.32	25.43	25.34	25.34	26	
15	QPSK	1	37	25.12	25.13	25.31	25.15	25.12		
15	QPSK	1	74	25.33	25.16	25.28	25.10	25.06		
15	QPSK	36	0	24.39	24.44	24.43	24.24	24.34		
15	QPSK	36	20	24.31	24.27	24.40	24.27	24.32	25	
15	QPSK	36	39	24.32	24.37	24.40	24.27	24.15		
15	QPSK	75	0	24.15	24.05	24.38	24.13	24.09	25	
15	16QAM	1	0	24.45	24.40	24.36	24.33	24.39		
15	16QAM	1	37	24.42	24.42	24.34	24.39	24.34	25	
15	16QAM	1	74	24.12	24.36	24.33	24.26	24.16		
15	16QAM	36	0	23.27	23.26	23.43	23.39	23.33	24	
15	16QAM	36	20	23.30	23.43	23.34	23.36	23.35		
15	16QAM	36	39	23.38	23.30	23.32	23.19	23.10	24	
15	16QAM	75	0	23.62	23.58	23.30	23.33	23.34		
15	64QAM	1	0	23.17	23.32	23.46	23.34	23.27	24	
15	64QAM	1	37	23.28	23.31	23.40	23.30	23.29		
15	64QAM	1	74	23.26	23.29	23.32	23.22	23.18	23	
15	64QAM	36	0	22.45	22.47	22.39	22.34	22.31		
15	64QAM	36	20	22.30	22.24	22.31	22.33	22.28	23	
15	64QAM	36	39	22.06	22.33	22.12	22.36	22.28		
15	64QAM	75	0	22.22	22.18	22.33	22.40	22.21		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.33	25.35	25.42	25.37	25.20	26	
10	QPSK	1	25	25.15	25.26	25.38	25.22	25.20		
10	QPSK	1	49	25.36	25.29	25.30	25.35	25.27		
10	QPSK	25	0	24.34	24.39	24.43	24.26	24.43		
10	QPSK	25	12	24.18	24.22	24.43	24.40	24.26	25	
10	QPSK	25	25	24.25	24.29	24.39	24.32	24.30		
10	QPSK	50	0	24.10	24.22	24.31	24.37	24.12	25	
10	16QAM	1	0	24.29	24.45	24.39	24.31	24.30		
10	16QAM	1	25	24.32	24.43	24.42	24.33	24.29	25	
10	16QAM	1	49	24.36	24.22	24.39	24.29	24.28		
10	16QAM	25	0	23.25	23.33	23.36	23.30	23.27	24	
10	16QAM	25	12	23.26	23.32	23.35	23.42	23.31		
10	16QAM	25	25	23.36	23.30	23.19	23.36	23.27	24	
10	16QAM	50	0	23.19	23.33	23.32	23.18	23.23		
10	64QAM	1	0	23.31	23.31	23.39	23.36	23.29	24	
10	64QAM	1	25	23.27	23.33	23.34	23.17	23.26		
10	64QAM	1	49	23.27	23.17	23.19	23.15	23.23	23	
10	64QAM	25	0	22.31	22.33	22.31	22.25	22.34		
10	64QAM	25	12	22.25	22.33	22.38	22.39	22.33	23	
10	64QAM	25	25	22.24	22.22	22.27	22.32	22.33		
10	64QAM	50	0	22.30	22.40	22.10	22.27	22.27		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.6	2593	2640.30	2687.5		
5	QPSK	1	0	25.39	25.30	25.40	25.30	25.25	26	
5	QPSK	1	12	25.33	25.29	25.27	25.27	25.19		
5	QPSK	1	24	25.26	25.29	25.34	25.25	25.37		
5	QPSK	12	0	24.35	24.38	24.49	24.50	24.37		
5	QPSK	12	7	24.42	24.18	24.43	24.48	24.41	25	
5	QPSK	12	13	24.51	24.45	24.44	24.41	24.41		
5	QPSK	25	0	24.15	24.16	24.33	24.19	24.14	25	
5	16QAM	1	0	24.45	24.37	24.39	24.35	24.36		
5	16QAM	1	12	24.34	24.29	24.36	24.31	24.31	24	
5	16QAM	1	24	24.29	24.31	24.28	24.26	24.28		
5	16QAM	12	0	23.41	23.33	23.39	23.40	23.22	24	
5	16QAM	12	7	23.44	23.38	23.45	23.43	23.23		
5	16QAM	12	13	23.43	23.24	23.30	23.27	23.15	24	
5	16QAM	25	0	23.21	23.28	23.40	23.16	23.22		
5	64QAM	1	0	23.21	23.07	23.47	23.46	23.25	24	
5	64QAM	1	12	23.37	23.46	23.23	23.40	23.19		
5	64QAM	1	24	23.41	23.31	23.49	23.46	23.45	23	
5	64QAM	12	0	22.27	22.36	22.43	22.37	22.36		
5	64QAM	12	7	22.21	22.35	22.32	22.33	22.35	23	
5	64QAM	12	13	22.27	22.19	22.33	22.41	22.30		
5	16QAM	25	0	22.26	22.47	22.35	22.40	22.37		

Band 41 PC3 (2496~2690MHz) (dBm)										
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)	
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2505	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.60	23.69	23.75	23.66	23.59	24.7	
20	QPSK	1	49	23.41	23.51	23.72	23.59	23.56		
20	QPSK	1	99	23.55	23.62	23.64	23.52	23.66		
20	QPSK	50	0	22.83	22.88	22.88	22.72	22.75		
20	QPSK	50	24	22.80	22.63	22.86	22.80	22.61	23.7	
20	QPSK	50	99	22.84	22.73	22.86	22.80	22.63		
20	16QAM	100	0	22.47	22.65	22.81	22.46	22.55	23.7	
20	16QAM	1	0	22.85	22.69	22.79	22.84	22.70		
20	16QAM	1	49	22.70	22.76	22.74	22.67	22.69	23.7	
20	16QAM	1	99	22.69	22.67	22.75	22.71	22.62		
20	16QAM	50	0	21.80	21.73	21.90	21.80	21.69	22.7	
20	16QAM	50	24	21.86	21.68	21.75	21.65	21.71		
20	16QAM	50	50	21.70	21.70	21.76	21.86	21.60	22.7	
20	16QAM	100	0	21.78	21.78	21.69	21.54	21.49		
20	64QAM	1	0	21.67	21.67	21.67	21.67	21.62	22.7	
20	64QAM	1	49	21.70	21.84	21.74	21.51	21.64		
20	64QAM	1	99	21.62	21.78	21.71	21.61	21.73	21.7	
20	64QAM	50	0	20.76	20.84	20.81	20.63	20.67		
20	64QAM	50	24	20.62	20.73	20.75	20.69	20.84	21.7	
20	64QAM	50	50	20.56	20.55	20.63	20.71	20.85		
20	64QAM	100	0	20.67	20.53	20.57	20.76	20.76		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.61	23.70	23.72	23.71	23.57	2	

CA_7C											
Combination:20MHz+20MHz(100RB+100RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
20850	20850	21048	QPSK	1	0	0	0	1	0	22.42	23.50
21100	21001	21199	QPSK	1	0	0	0	1	0	22.56	23.50
21350	21152	21350	QPSK	1	0	0	0	1	0	22.48	23.50
20850	20850	21048	16QAM	1	0	0	0	1	0	21.51	22.00
21100	21001	21199	16QAM	1	0	0	0	1	0	21.55	22.00
21350	21152	21350	16QAM	1	0	0	0	1	0	21.46	22.00
20850	20850	21048	64QAM	1	0	0	0	1	0	21.33	22.00
21100	21001	21199	64QAM	1	0	0	0	1	0	21.42	22.00
21350	21152	21350	64QAM	1	0	0	0	1	0	21.33	22.00
20850	20850	21048	QPSK	50	0	0	0	1	0	21.50	22.00
21100	21001	21199	QPSK	50	0	0	0	1	0	21.52	22.00
21350	21152	21350	QPSK	50	0	0	0	1	0	21.51	22.00

CA_41C											
Combination:20MHz+20MHz(100RB+100RB)											
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
				RB Size	RB Offset	RB Size	RB Offset				
39750	39750	39948	QPSK	1	0	0	0	1	0	22.17	23.00
40521	40521	40719	QPSK	1	0	0	0	1	0	22.19	23.00
41292	41292	41490	QPSK	1	0	0	0	1	0	22.10	23.00
39750	39750	39948	16QAM	1	0	0	0	1	0	21.20	22.00
40521	40521	40719	16QAM	1	0	0	0	1	0	21.25	22.00
41292	41292	41490	16QAM	1	0	0	0	1	0	21.19	22.00
39750	39750	39948	64QAM	1	0	0	0	1	0	20.11	21.00
40521	40521	40719	64QAM	1	0	0	0	1	0	20.17	21.00
41292	41292	41490	64QAM	1	0	0	0	1	0	20.15	21.00
39750	39750	39948	QPSK	50	0	0	0	1	0	21.72	22.50
40521	40521	40719	QPSK	50	0	0	0	1	0	21.75	22.50
41292	41292	41490	QPSK	50	0	0	0	1	0	21.62	22.50

2CC LTE Downlink													
Configure	CA Configuration	Ant	PCC					SCC				Power	
			Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Intra-band & Inter-band	CA_2C	Ant 1	2	20	18801	1870.1	QPSK/1#0	2	20	18999	1889.9	21.22	21.36
	CA_2A-2A	Ant 1	2	20	18700	1860	QPSK/1#0	2	20	19100	1900.0	21.20	21.36
	CA_2A-4A	Ant 1	2	20	18700	1860	QPSK/1#0	4	20	20300	1745.0	21.16	21.36
	CA_2A-5A	Ant 1	2	20	18700	1860	QPSK/1#0	5	10	20600	844.0	21.15	21.36
	CA_2A-7A	Ant 1	2	20	18700	1860	QPSK/1#0	7	20	21350	2560.0	21.21	21.36
	CA_2A-12A	Ant 1	2	20	18700	1860	QPSK/1#0	12	10	23095	707.5	21.18	21.36
	CA_2A-13A	Ant 1	2	20	18700	1860	QPSK/1#0	13	10	23230	782.0	21.16	21.36
	CA_2A-14A	Ant 1	2	20	18700	1860	QPSK/1#0	14	10	23330	793.0	21.18	21.36
	CA_2A-17A	Ant 1	2	20	18700	1860	QPSK/1#0	17	10	23790	710.0	21.14	21.36
	CA_2A-66A	Ant 1	2	20	18700	1860	QPSK/1#0	66	20	132572	1770.0	21.17	21.36
	CA_2A-71A	Ant 1	2	20	18700	1860	QPSK/1#0	71	20	133322	683.0	21.15	21.36
	CA_4A-4A	Ant 1	4	20	20050	1720	QPSK/1#0	4	20	20300	1745.0	22.15	22.71
	CA_4A-5A	Ant 1	4	20	20050	1720	QPSK/1#0	5	10	20600	844.0	22.33	22.71
	CA_4A-7A	Ant 1	4	20	20050	1720	QPSK/1#0	7	20	21350	2560.0	22.28	22.71
	CA_4A-12A	Ant 1	4	20	20050	1720	QPSK/1#0	12	10	23095	707.5	22.20	22.71
	CA_4A-13A	Ant 1	4	20	20050	1720	QPSK/1#0	13	10	23230	782.0	22.19	22.71
	CA_4A-17A	Ant 1	4	20	20050	1720	QPSK/1#0	17	10	23790	710.0	22.15	22.71
	CA_4A-71A	Ant 1	4	20	20050	1720	QPSK/1#0	71	20	133322	683.0	22.18	22.71
	CA_5A-30A	Ant 1	5	10	20450	829	QPSK/1#0	30	10	27710	2310.0	22.25	22.86
	CA_5A-41A	Ant 1	5	10	20450	829	QPSK/1#0	41	20	41490	2680.0	22.26	22.86
	CA_5A-5A	Ant 1	5	10	20450	829	QPSK/1#0	5	10	20600	844.0	22.31	22.86
	CA_5A-66A	Ant 1	5	10	20450	829	QPSK/1#0	66	20	132572	1770.0	22.29	22.86
	CA_5A-7A	Ant 1	5	10	20450	829	QPSK/1#0	7	20	21350	2560.0	22.33	22.86
	CA_5B	Ant 1	5	10	20476	831.6	QPSK/1#0	5	10	20575	841.5	22.30	22.86
	CA_7A-7A	Ant 1	7	20	20850	2510	QPSK/1#0	7	20	21350	2560.0	22.39	22.74
	CA_7C	Ant 1	7	20	21001	2525.1	QPSK/1#0	7	20	21199	2544.9	22.35	22.74
	CA_12A-30A	Ant 1	12	10	23095	707.5	QPSK/1#0	30	10	27710	2310.0	22.72	23.36
	CA_12A-66A	Ant 1	12	10	23095	707.5	QPSK/1#0	66	20	132572	1770.0	22.81	23.36
	CA_13A-66A	Ant 1	13	10	23230	782	QPSK/1#0	66	20	132572	1770.0	22.71	23.29
	CA_14A-30A	Ant 1	14	10	23330	793	QPSK/1#0	30	10	27710	2310.0	22.66	23.35
	CA_14A-66A	Ant 1	14	10	23330	793	QPSK/1#0	66	20	132572	1770.0	22.69	23.35
	CA_25A-25A	Ant 1	25	20	26140	1860	QPSK/1#0	25	20	26590	1905.0	21.16	21.42
	CA_25A-26A	Ant 1	25	20	26140	1860	QPSK/1#0	26	15	26865	831.5	21.17	21.42
	CA_25A-41A	Ant 1	25	20	26140	1860	QPSK/1#0	41	20	41490	2680.0	21.11	21.42
	CA_26A-41A	Ant 1	26	15	26865	831.5	QPSK/1#0	41	20	41490	2680.0	22.31	22.76
	CA_41A-41A	Ant 1	41	20	39750	2506	QPSK/1#0	41	20	41490	2680.0	24.57	25.46
	CA_41C	Ant 1	41	20	40521	2583.1	QPSK/1#0	66	20	40719	2602.9	24.53	25.46
	CA_66A-66A	Ant 1	66	20	132072	1720	QPSK/1#0	66	20	132572	1770.0	22.18	22.90
	CA_66A-71A	Ant 1	66	20	132072	1720	QPSK/1#0	71	20	133322	683.0	22.26	22.90
	CA_66B	Ant 1	66	10	132373	1750.1	QPSK/1#0	66	10	132472	1760.0	21.85	22.90
CA_66C	Ant 1	66	20	132323	1745.1	QPSK/1#0	66	20	132521	1764.9	22.04	22.90	

2.4GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps	3Mbps			
802.11b 1Mbps	CH 1	2412	18.69	19.50	17.00	98.83		
	CH 6	2437	18.33	19.00	17.00			
	CH 11	2462	18.52	19.50	17.00			
802.11g 6Mbps	CH 1	2412	17.43	18.00	17.00	98.29		
	CH 6	2437	17.32	18.00	17.00			
	CH 11	2462	17.46	18.00	17.00			
802.11n-HT20 MCS0	CH 1	2412	17.27	18.00	17.00	98.27		
	CH 6	2437	17.20	18.00	17.00			
	CH 11	2462	17.23	18.00	17.00			
802.11n-HT40 MCS0	CH 3	2422	17.62	18.50	16.00	95.19		
	CH 6	2437	17.79	18.50	16.00			
	CH 9	2452	17.28	18.50	16.00			

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps	3Mbps			
802.11a 6Mbps	CH 36	5180	17.78	18.50	20.00	98.29		
	CH 44	5220	17.80	18.50	20.00			
	CH 48	5240	17.84	18.50	20.00			
802.11n-HT20 MCS0	CH 36	5180	16.41	17.00	19.50	98.17		
	CH 44	5220	16.14	17.00	19.50			
	CH 48	5240	16.16	17.00	19.50			
802.11n-HT40 MCS0	CH 38	5190	16.69	17.50	17.00	96.54		
	CH 46	5230	16.87	17.50	17.00			
	CH 39	5180	16.66	17.50	20.00			
802.11ac-VHT20 MCS0	CH 44	5220	16.75	17.50	20.00	98.17		
	CH 48	5240	16.77	17.50	20.00			
	CH 38	5190	16.77	17.50	17.00			
802.11ac-VHT40 MCS0	CH 38	5190	16.77	17.50	17.00	96.46		
	CH 46	5230	16.82	17.50	17.00			
802.11ac-VHT80 MCS0	CH 42	5210	16.42	17.50	18.50	92.00		

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps	3Mbps			
802.11a 6Mbps	CH 52	5260	17.58	18.50	20.00	98.10		
	CH 60	5300	17.90	18.50	20.00			
	CH 64	5320	17.66	18.50	20.00			
802.11n-HT20 MCS0	CH 52	5260	16.28	17.00	19.50	98.17		
	CH 60	5300	16.27	17.00	19.50			
	CH 64	5320	16.42	17.00	19.50			
802.11n-HT40 MCS0	CH 54	5270	16.90	17.50	16.00	96.54		
	CH 62	5310	16.16	17.00	16.00			
	CH 62	5260	17.03	18.00	20.00			
802.11ac-VHT20 MCS0	CH 60	5300	16.94	17.50	20.00	98.17		
	CH 64	5320	16.60	17.50	20.00			
	CH 54	5270	16.36	17.00	16.00			
802.11ac-VHT40 MCS0	CH 62	5310	16.13	17.00	16.00	96.56		
	CH 58	5290	16.53	17.50	18.00			

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps	3Mbps			
802.11a 6Mbps	CH 100	5500	17.69	18.50	20.00	98.29		
	CH 120	5600	17.40	18.00	20.00			
	CH 144	5720	17.09	18.00	20.00			
802.11n-HT20 MCS0	CH 100	5500	16.74	17.50	18.50	98.27		
	CH 120	5600	17.01	18.00	18.50			
	CH 144	5720	16.82	17.50	18.50			
802.11n-HT40 MCS0	CH 102	5510	16.48	17.00	16.00	96.34		
	CH 126	5630	17.29	18.00	16.00			
	CH 142	5670	17.04	18.00	16.00			
802.11ac-VHT20 MCS0	CH 100	5500	16.47	17.00	18.50	98.17		
	CH 120	5600	16.41	17.00	18.50			
	CH 144	5720	16.32	17.00	18.50			
802.11ac-VHT40 MCS0	CH 102	5510	16.47	17.00	16.00	96.56		
	CH 126	5630	17.10	18.00	16.00			
	CH 134	5670	17.08	18.00	16.00			
802.11ac-VHT80 MCS0	CH 106	5530	16.78	17.50	17.50	92.80		
	CH 122	5610	17.26	18.00	17.50			

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)			Tune-Up Limit	Power Setting	Duty Cycle %
			1Mbps	2Mbps	3Mbps			
802.11a 6Mbps	CH 149	5745	17.24	18.00	20.00	98.38		
	CH 157	5785	17.33	18.00	20.00			
	CH 165	5825	17.15	18.00	20.00			
802.11n-HT20 MCS0	CH 149	5745	16.81	17.50	19.00	98.27		
	CH 157	5785	16.58	17.50	19.00			
	CH 165	5825	16.57	17.50	19.00			
802.11n-HT40 MCS0	CH 151	5755	16.50	17.50	15.50	96.54		
	CH 159	5795	16.19	17.00	15.50			
	CH 149	5745	16.68	17.50	19.00			
802.11ac-VHT20 MCS0	CH 157	5785	16.55	17.50	19.00	98.17		
	CH 165	5825	16.52	17.50	19.00			
	CH 151	5755	16.56	17.50	15.50			
802.11ac-VHT40 MCS0	CH 159	5795	16.14	17.00	15.50	96.56		
	CH 155	5775	16.55	17.50	19.00			

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.77	4.69	4.51
	CH 39	2441	7.38	4.12	4.66
	CH 78	2480	8.20	5.38	5.29
Tune-up Limit			9	6	6
Duty Cycle %			76.99	77.06	77.04

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			GFSK		
LE	CH 00	2402	6.85		
	CH 19	2440	6.43		
	CH 39	2480	7.65		
Tune-up Limit			8.5		
Duty Cycle %			83.49		

Reduced Power Level 1
5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	13.78	14.50	16.00	98.29
	CH 44	5220	13.80	14.50	16.00	
	CH 48	5240	13.84	14.50	16.00	
802.11n-HT20 MCS0	CH 36	5180	12.41	13.00	15.50	98.17
	CH 44	5220	12.14	13.00	15.50	
	CH 48	5240	12.16	13.00	15.50	
802.11n-HT40 MCS0	CH 38	5190	12.69	13.50	13.00	96.54
	CH 46	5230	12.87	13.50	13.00	
802.11ac-VHT20 MCS0	CH 36	5180	12.66	13.50	16.00	98.17
	CH 44	5220	12.75	13.50	16.00	
	CH 48	5240	12.77	13.50	16.00	
802.11ac-VHT40 MCS0	CH 38	5190	12.77	13.50	13.00	96.46
	CH 46	5230	12.92	13.50	13.00	
802.11ac-VHT80 MCS0	CH 42	5210	12.42	13.50	14.50	92.00

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	13.58	14.50	16.00	98.10
	CH 60	5300	13.90	14.50	16.00	
	CH 64	5320	13.66	14.50	16.00	
802.11n-HT20 MCS0	CH 52	5260	12.28	13.00	15.50	98.17
	CH 60	5300	12.27	13.00	15.50	
	CH 64	5320	12.42	13.00	15.50	
802.11n-HT40 MCS0	CH 54	5270	12.90	13.50	12.00	96.54
	CH 62	5310	12.16	13.00	12.00	
802.11ac-VHT20 MCS0	CH 52	5260	13.03	14.00	16.00	98.17
	CH 60	5300	12.94	13.50	16.00	
	CH 64	5320	12.60	13.50	16.00	
802.11ac-VHT40 MCS0	CH 54	5270	12.36	13.00	12.00	96.56
	CH 62	5310	12.13	13.00	12.00	
802.11ac-VHT80 MCS0	CH 58	5290	12.53	13.50	14.00	92.83

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	13.69	14.50	16.00	98.29
	CH 120	5600	13.40	14.00	16.00	
	CH 144	5720	13.09	14.00	16.00	
802.11n-HT20 MCS0	CH 100	5500	12.74	13.50	14.50	98.27
	CH 120	5600	13.01	14.00	14.50	
	CH 144	5720	12.82	13.50	14.50	
802.11n-HT40 MCS0	CH 102	5510	12.48	13.00	12.00	96.34
	CH 126	5630	13.29	14.00	12.00	
802.11ac-VHT20 MCS0	CH 100	5500	12.47	13.00	14.50	98.17
	CH 120	5600	12.41	13.00	14.50	
	CH 144	5720	12.32	13.00	14.50	
802.11ac-VHT40 MCS0	CH 102	5510	12.47	13.00	12.00	96.56
	CH 126	5630	13.10	14.00	12.00	
802.11ac-VHT80 MCS0	CH 134	5670	13.08	14.00	12.00	92.80
	CH 106	5530	12.78	13.50	13.50	
	CH 122	5610	13.26	14.00	13.50	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 149	5745	13.24	14.00	16.00	98.38
	CH 157	5785	13.33	14.00	16.00	
	CH 165	5825	13.06	14.00	16.00	
802.11n-HT20 MCS0	CH 149	5745	12.81	13.50	15.00	98.27
	CH 157	5785	12.58	13.50	15.00	
	CH 165	5825	12.57	13.50	15.00	
802.11n-HT40 MCS0	CH 151	5755	12.50	13.50	11.50	96.54
	CH 159	5795	12.19	13.00	11.50	
802.11ac-VHT20 MCS0	CH 149	5745	12.68	13.50	15.00	98.17
	CH 157	5785	12.55	13.50	15.00	
	CH 165	5825	12.52	13.50	15.00	
802.11ac-VHT40 MCS0	CH 151	5755	12.56	13.50	11.50	96.56
	CH 159	5795	12.14	13.00	11.50	
802.11ac-VHT80 MCS0	CH 155	5775	12.55	13.50	15.00	92.80

Reduced Power Level 2

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	19.83	19.85	19.78	20.50
3GPP Rel 6	HSDPA Subtest-1	19.79	19.67	19.62	20.50
3GPP Rel 6	HSDPA Subtest-2	19.80	19.69	19.56	20.50
3GPP Rel 6	HSDPA Subtest-3	19.32	19.14	19.04	20.00
3GPP Rel 6	HSDPA Subtest-4	19.32	19.18	19.01	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.69	19.65	19.66	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.62	19.70	19.56	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	19.20	19.22	19.05	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	19.26	19.11	19.09	20.00
3GPP Rel 6	HSUPA Subtest-1	18.68	18.58	18.51	19.50
3GPP Rel 6	HSUPA Subtest-2	18.68	18.57	18.53	19.50
3GPP Rel 6	HSUPA Subtest-3	18.39	18.26	18.19	19.00
3GPP Rel 6	HSUPA Subtest-4	19.68	19.58	19.54	20.50
3GPP Rel 6	HSUPA Subtest-5	18.58	18.45	18.39	19.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	18.32	18.20	18.14	19.00
Attenuator			Cable Loss	0.8	
Mode			Max.	19.85	

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	19.77	19.86	19.80	
20	QPSK	1	49	19.81	19.80	19.73	20.5
20	QPSK	1	99	19.66	19.77	19.75	
20	QPSK	50	0	18.83	19.00	18.99	
20	QPSK	50	24	18.75	18.85	18.80	19.5
20	QPSK	50	50	18.85	18.87	18.75	
20	QPSK	100	0	18.73	18.79	18.79	
20	16QAM	1	0	18.89	18.99	18.89	19.5
20	16QAM	1	49	18.99	18.84	18.91	
20	16QAM	1	99	18.96	18.80	18.90	
20	16QAM	50	0	17.95	17.94	17.88	18.5
20	16QAM	50	24	17.80	17.90	17.84	
20	16QAM	50	50	18.00	17.70	17.76	
20	16QAM	100	0	17.77	17.97	18.04	18.5
20	64QAM	1	0	17.79	17.78	17.73	
20	64QAM	1	49	17.82	17.86	17.72	
20	64QAM	1	99	18.02	17.97	17.81	17.5
20	64QAM	50	0	16.78	16.97	16.79	
20	64QAM	50	24	16.85	16.91	16.84	
20	64QAM	50	50	16.82	16.82	16.71	17.5
20	64QAM	100	0	16.76	16.79	16.99	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	19.78	19.83	19.82	
15	QPSK	1	37	19.81	19.75	19.78	20.5
15	QPSK	1	74	19.75	19.74	19.64	
15	QPSK	36	0	18.75	18.97	18.85	
15	QPSK	36	20	18.88	18.74	18.80	19.5
15	QPSK	36	39	18.97	18.73	18.83	
15	QPSK	75	0	18.79	18.90	18.79	
15	16QAM	1	0	18.88	19.01	18.80	19.5
15	16QAM	1	37	18.96	18.77	19.00	
15	16QAM	1	74	19.00	18.80	18.89	
15	16QAM	36	0	17.82	17.89	17.90	18.5
15	16QAM	36	20	17.84	17.78	17.96	
15	16QAM	36	39	18.05	17.83	17.94	
15	16QAM	75	0	17.72	17.83	17.76	18.5
15	64QAM	1	0	17.81	17.77	17.70	
15	64QAM	1	37	17.93	17.91	17.92	
15	64QAM	1	74	17.86	17.83	17.80	18.5
15	64QAM	36	0	16.74	16.93	16.97	
15	64QAM	36	20	16.71	16.80	16.83	
15	64QAM	36	39	16.86	16.83	16.88	17.5
15	64QAM	75	0	16.94	16.86	16.98	
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	19.80	19.85	19.79	
10	QPSK	1	25	19.74	19.75	19.81	20.5
10	QPSK	1	49	19.73	19.80	19.74	
10	QPSK	25	0	18.93	19.02	18.86	
10	QPSK	25	12	18.77	18.78	18.88	19.5
10	QPSK	25	25	18.77	18.72	18.80	
10	QPSK	50	0	18.85	18.79	18.84	
10	16QAM	1	0	19.05	18.92	18.81	19.5
10	16QAM	1	25	18.95	18.82	18.85	
10	16QAM	1	49	18.84	18.84	18.77	
10	16QAM	25	0	17.91	18.01	17.88	18.5
10	16QAM	25	12	17.93	17.98	17.80	
10	16QAM	25	25	17.85	17.84	18.01	
10	16QAM	50	0	17.99	17.91	17.93	18.5
10	64QAM	1	0	18.00	17.90	17.77	
10	64QAM	1	25	17.82	17.95	17.99	
10	64QAM	1	49	17.79	17.83	17.85	17.5
10	64QAM	25	0	16.81	16.90	16.77	
10	64QAM	25	12	16.76	16.84	17.04	
10	64QAM	25	25	16.88	16.80	16.77	17.5
10	64QAM	50	0	16.86	16.97	16.92	
Channel				18825	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	19.76	19.84	19.79	
5	QPSK	1	12	19.83	19.78	19.80	20.5
5	QPSK	1	24	19.71	19.75	19.82	
5	QPSK	12	0	18.73	18.90	18.76	
5	QPSK	12	7	18.98	18.73	18.78	19.5
5	QPSK	12	13	19.07	18.82	18.73	
5	QPSK	25	0	18.83	18.98	18.96	
5	16QAM	1	0	19.00	18.94	18.91	19.5
5	16QAM	1	12	18.92	18.80	18.92	
5	16QAM	1	24	18.80	18.96	18.68	
5	16QAM	12	0	17.94	17.85	17.97	18.5
5	16QAM	12	7	17.87	17.74	17.92	
5	16QAM	12	13	18.03	17.97	17.87	
5	16QAM	25	0	17.66	17.70	18.00	18.5
5	64QAM	1	0	17.99	17.95	17.79	
5	64QAM	1	12	17.79	17.87	18.05	
5	64QAM	1	24	17.98	17.84	17.73	18.5
5	64QAM	12	0	16.91	16.94	16.79	
5	64QAM	12	7	16.94	17.04	16.87	
5	64QAM	12	13	16.73	16.84	16.93	17.5
5	64QAM	25	0	17.01	16.98	16.83	
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	19.71	19.81	19.78	
3	QPSK	1	8	19.75	19.74	19.64	20.5
3	QPSK	1	14	19.74	19.77	19.70	
3	QPSK	8	0	18.98	18.85	18.79	
3	QPSK	8	4	18.77	18.72	18.95	19.5
3	QPSK	8	7	19.07	18.68	18.74	

Band 25 (1900MHz Band) (dBm)							
Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26140	26365	26590	
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	0	19.89	19.92	19.85	
20	QPSK	1	49	19.84	19.80	19.83	20.5
20	QPSK	1	99	19.63	19.69	19.78	
20	QPSK	50	0	18.86	18.96	18.84	
20	QPSK	50	24	18.80	18.81	18.87	19.5
20	QPSK	50	50	18.73	18.79	18.83	
20	QPSK	100	0	18.86	18.94	18.88	
20	16QAM	1	0	18.96	18.95	18.98	19.5
20	16QAM	1	49	18.90	18.90	18.97	
20	16QAM	1	99	18.76	18.94	18.71	
20	16QAM	50	0	17.84	17.92	17.99	18.5
20	16QAM	50	24	17.89	17.95	17.90	
20	16QAM	50	50	17.92	17.97	17.95	
20	16QAM	100	0	17.68	17.74	17.97	18.5
20	64QAM	1	0	17.78	17.74	17.81	
20	64QAM	1	49	17.83	17.90	17.74	
20	64QAM	1	99	17.74	17.85	17.96	17.5
20	64QAM	50	0	16.94	16.73	16.90	
20	64QAM	50	24	16.88	16.81	16.79	
20	64QAM	50	50	16.80	16.79	16.67	17.5
20	64QAM	100	0	16.74	16.79	16.76	
Channel				26115	26365	26615	
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	0	19.85	19.90	19.78	
15	QPSK	1	37	19.75	19.77	19.89	20.5
15	QPSK	1	74	19.63	19.80	19.83	
15	QPSK	36	0	18.71	18.90	18.81	
15	QPSK	36	20	18.92	18.88	18.83	19.5
15	QPSK	36	39	18.78	18.77	18.82	
15	QPSK	75	0	18.54	18.77	18.78	
15	16QAM	1	0	18.77	18.90	18.79	19.5
15	16QAM	1	37	18.84	18.67	18.86	
15	16QAM	1	74	18.76	18.74	18.87	
15	16QAM	36	0	17.90	17.85	17.85	18.5
15	16QAM	36	20	17.74	17.62	17.79	
15	16QAM	36	39	17.88	17.88	17.85	
15	16QAM	75	0	17.76	17.98	17.91	18.5
15	64QAM	1	0	17.94	17.79	17.71	
15	64QAM	1	37	17.78	17.84	17.79	
15	64QAM	1	74	17.72	17.86	17.82	18.5
15	64QAM	36	0	16.88	16.74	16.82	
15	64QAM	36	20	16.78	16.79	16.78	
15	64QAM	36	39	16.64	16.92	16.86	17.5
15	64QAM	75	0	16.84	16.76	16.71	
Channel				26090	26365	26640	
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	0	19.74	19.89	19.79	
10	QPSK	1	25	19.75	19.74	19.80	20.5
10	QPSK	1	49	19.88	19.76	19.68	
10	QPSK	25	0	18.75	18.84	18.92	
10	QPSK	25	12	18.81	18.89	18.73	19.5
10	QPSK	25	25	18.76	18.77	18.87	
10	QPSK	50	0	18.71	18.77	18.69	
10	16QAM	1	0	18.90	18.86	18.73	19.5
10	16QAM	1	25	18.99	18.73	18.86	
10	16QAM	1	49	18.74	18.99	18.74	
10	16QAM	25	0	17.79	17.83	17.91	18.5
10	16QAM	25	12	17.77	17.87	17.98	

3	QPSK	15	0	18.72	18.94	18.84	19.5
3	16QAM	1	0	19.02	18.90	18.80	
3	16QAM	1	8	19.05	18.70	18.79	
3	16QAM	1	14	18.67	18.94	18.78	18.5
3	16QAM	8	0	17.96	17.86	17.88	
3	16QAM	8	4	17.98	17.90	17.85	
3	16QAM	8	7	17.90	17.71	17.77	18.5
3	16QAM	15	0	17.83	17.70	17.89	
3	64QAM	1	0	17.71	17.85	17.70	
3	64QAM	1	8	17.73	17.93	17.76	18.5
3	64QAM	1	14	17.88	17.87	17.93	
3	64QAM	8	0	16.79	16.72	16.75	
3	64QAM	8	4	16.93	16.94	16.92	17.5
3	64QAM	8	7	16.70	16.61	16.67	
3	64QAM	15	0	16.71	16.93	16.81	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.77	19.80	19.77	20.5
1.4	QPSK	1	3	19.72	19.75	19.73	
1.4	QPSK	1	5	19.71	19.78	19.78	
1.4	QPSK	3	0	18.81	18.80	18.83	
1.4	QPSK	3	1	19.01	18.97	18.79	
1.4	QPSK	3	3	18.99	18.84	18.78	19.5
1.4	QPSK	6	0	18.81	19.04	18.89	
1.4	16QAM	1	0	18.93	19.06	18.95	
1.4	16QAM	1	3	18.99	18.93	18.88	19.5
1.4	16QAM	1	5	18.80	18.85	18.75	
1.4	16QAM	3	0	17.96	18.02	18.07	
1.4	16QAM	3	1	17.75	17.94	18.05	
1.4	16QAM	3	3	17.92	17.80	17.78	
1.4	16QAM	6	0	17.98	17.82	17.84	18.5
1.4	64QAM	1	0	17.93	17.75	17.84	18.5
1.4	64QAM	1	3	17.79	18.06	17.83	
1.4	64QAM	1	5	17.69	18.06	17.64	
1.4	64QAM	3	0	16.78	16.73	16.78	
1.4	64QAM	3	1	16.81	17.05	17.02	
1.4	64QAM	3	3	16.86	16.81	16.76	17.5
1.4	64QAM	6	0	16.80	16.92	16.86	

3	QPSK	15	0	18.69	18.72	18.79	19.5
3	16QAM	1	0	18.89	18.94	18.93	
3	16QAM	1	8	18.74	18.82	18.91	
3	16QAM	1	14	18.72	18.88	18.71	18.5
3	16QAM	8	0	17.87	17.88	17.90	
3	16QAM	8	4	17.91	17.68	17.72	
3	16QAM	8	7	17.82	17.65	17.89	18.5
3	16QAM	15	0	17.78	17.86	17.93	
3	64QAM	1	0	17.83	17.91	17.86	
3	64QAM	1	8	17.85	17.77	17.91	18.5
3	64QAM	1	14	17.76	17.84	17.66	
3	64QAM	8	0	16.84	16.74	16.82	
3	64QAM	8	4	16.80	16.79	16.75	17.5
3	64QAM	8	7	16.55	16.58	16.71	
3	64QAM	15	0	16.72	16.72	16.89	
Channel				26047	26366	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	19.84	19.87	19.76	20.5
1.4	QPSK	1	3	19.77	19.75	19.57	
1.4	QPSK	1	5	19.80	19.72	19.61	
1.4	QPSK	3	0	18.80	18.92	18.89	
1.4	QPSK	3	1	18.84	18.67	18.86	
1.4	QPSK	3	3	18.89	18.90	18.77	19.5
1.4	QPSK	6	0	18.73	18.83	18.94	
1.4	16QAM	1	0	18.73	18.94	18.81	
1.4	16QAM	1	3	18.80	18.82	18.95	18.5
1.4	16QAM	1	5	18.90	18.74	18.81	
1.4	16QAM	3	0	17.79	18.09	18.20	
1.4	16QAM	3	1	17.74	17.85	17.92	
1.4	16QAM	3	3	17.86	17.92	17.93	
1.4	16QAM	6	0	17.80	17.72	17.92	17.5
1.4	64QAM	1	0	17.70	17.96	17.69	18.5
1.4	64QAM	1	3	17.71	17.87	17.85	
1.4	64QAM	1	5	17.83	17.86	17.77	
1.4	64QAM	3	0	16.88	16.85	16.88	
1.4	64QAM	3	1	16.80	16.81	16.79	
1.4	64QAM	3	3	16.90	16.80	16.84	17.5
1.4	64QAM	6	0	16.72	16.79	16.87	

Reduced Power Level 3
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	11.24	12.00	14.00	98.38
		CH 157	5785	11.33	12.00	14.00	
		CH 165	5825	11.15	12.00	14.00	
	802.11n-HT20 MCS0	CH 149	5745	10.81	11.50	13.00	98.27
		CH 157	5785	10.58	11.50	13.00	
		CH 165	5825	10.57	11.50	13.00	
	802.11n-HT40 MCS0	CH 151	5755	10.50	11.50	9.50	96.54
		CH 159	5795	10.19	11.00	9.50	
	802.11ac-VHT20 MCS0	CH 149	5745	10.68	11.50	13.00	98.17
		CH 157	5785	10.55	11.50	13.00	
		CH 165	5825	10.52	11.50	13.00	
	802.11ac-VHT40 MCS0	CH 151	5755	10.56	11.50	9.50	96.56
		CH 159	5795	10.14	11.00	9.50	
	802.11ac-VHT80 MCS0	CH 155	5775	10.55	11.50	13.00	92.80