



REPORT No.: SZ23070065S01

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)
	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	27.11	27.23	27.16	28.00	18.11	18.23	18.16	19.00
GPRS 1 Tx slot	27.02	27.14	27.04	28.00	18.02	18.14	18.04	19.00
GPRS 2 Tx slots	26.24	26.36	26.34	27.00	20.24	20.36	20.34	21.00
GPRS 3 Tx slots	24.38	24.55	24.53	25.50	20.12	20.29	20.27	21.24
GPRS 4 Tx slots	23.33	23.35	23.34	24.00	20.33	20.35	20.34	21.00
EDGE 1 Tx slot	20.01	20.11	19.90	21.00	11.01	11.11	10.90	12.00
EDGE 2 Tx slots	18.83	18.92	18.72	19.50	12.83	12.92	12.72	13.50
EDGE 3 Tx slots	16.56	16.86	16.65	17.50	12.30	12.60	12.39	13.24
EDGE 4 Tx slots	15.74	15.97	15.78	16.50	12.74	12.97	12.78	13.50
Mode		Max.	27.23		Max.	20.36		
Attenuator	Cable Loss : 0.6							

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	23.19	23.21	23.15	24.00	14.19	14.21	14.15	15.00
GPRS 1 Tx slot	23.11	23.19	23.11	24.00	14.11	14.19	14.11	15.00
GPRS 2 Tx slots	22.26	22.35	22.29	23.00	16.26	16.35	16.29	17.00
GPRS 3 Tx slots	21.05	21.20	21.11	22.00	16.79	16.94	16.85	17.74
GPRS 4 Tx slots	20.00	20.11	20.05	21.00	17.00	17.11	17.05	18.00
EDGE 1 Tx slot	20.40	20.52	20.45	21.50	11.40	11.52	11.45	12.50
EDGE 2 Tx slots	19.24	19.35	19.25	20.00	13.24	13.35	13.25	14.00
EDGE 3 Tx slots	17.14	17.26	17.19	18.00	12.88	13.00	12.93	13.74
EDGE 4 Tx slots	16.18	16.31	16.20	17.00	13.18	13.31	13.20	14.00
Mode		Max.	26.60		Max.	17.11		
Attenuator	Cable Loss : 0.8							

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)	
	9262	9400	9538		4132	4182	4233		
TX Channel	9662	9800	9938		4357	4407	4458		
Rx Channel	9662	9800	9938		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		826.4	836.4	846.6		
3GPP Rel 99	RMC 12.2Kbps	15.81	15.95	15.78	16.50	19.81	19.92	19.87	20.50
3GPP Rel 5	HSDPA Subtest-1	15.45	15.52	15.51	16.00	19.54	19.56	15.44	20.00
3GPP Rel 5	HSDPA Subtest-2	15.41	15.45	15.41	16.00	19.50	19.54	19.50	20.00
3GPP Rel 5	HSDPA Subtest-3	15.58	15.64	15.54	16.00	19.41	19.44	19.43	20.00
3GPP Rel 5	HSDPA Subtest-4	15.41	15.50	15.49	16.00	19.41	19.50	19.49	20.00
3GPP Rel 6	HSUPA Subtest-1	15.41	15.50	15.49	16.00	19.41	19.50	19.49	20.00
3GPP Rel 6	HSUPA Subtest-2	15.32	15.39	15.38	16.00	19.41	19.48	19.47	20.00
3GPP Rel 6	HSUPA Subtest-3	15.28	15.32	15.28	16.00	19.37	19.41	19.37	20.00
3GPP Rel 6	HSUPA Subtest-4	15.28	15.37	15.36	16.00	19.37	19.46	19.45	20.00
3GPP Rel 6	HSUPA Subtest-5	15.58	15.64	15.54	16.00	19.67	19.50	19.52	20.00
Attenuator		Cable Loss	0.8		Cable Loss	0.6			
Mode		Max.	15.95		Max.	19.92			

Band	CDMA2000 BC0 (dBm)			Tune-up Limit (dBm)
	1013	384	777	
TX Channel	824.7	836.52	848.31	
Frequency (MHz)	824.7	836.52	848.31	
RC1 SO55	24.15	24.22	24.21	25.00
RC3 SO55	24.11	24.15	24.11	25.00
RC3 SO32 (F+SCH)	24.28	24.34	24.24	25.00
RC3 SO32 (+SCH)	24.11	24.20	24.19	25.00
RTAP 153.6Kbps	24.02	24.09	24.08	25.00
RETAP 4096Bits	23.98	24.02	23.98	25.00
Rev.0	23.98	24.07	24.06	25.00
Attenuator		Cable Loss	0.6	
Mode		Max.	24.34	

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)				1880	1880	1900	
20	QPSK	1	0	15.40	15.56	15.51	16.5
20	QPSK	1	49	15.36	15.48	15.28	
20	QPSK	1	99	15.24	15.44	15.15	
20	QPSK	50	0	15.16	15.21	15.15	15.5
20	QPSK	50	24	15.13	15.18	15.10	
20	QPSK	50	50	15.08	15.15	15.05	
20	QPSK	100	0	15.11	15.12	15.10	15.5
20	16QAM	1	0	14.83	14.94	14.95	
20	16QAM	1	49	14.70	14.84	14.81	
20	16QAM	1	99	14.66	14.78	14.77	14.5
20	16QAM	50	0	14.12	14.20	14.26	
20	16QAM	50	24	14.06	14.13	14.16	
20	16QAM	50	50	13.89	14.02	14.06	14.5
20	16QAM	100	0	13.85	13.87	13.91	
20	64QAM	1	0	13.76	13.81	13.81	
20	64QAM	1	49	13.68	13.72	13.65	14.5
20	64QAM	1	99	13.57	13.55	13.59	
20	64QAM	50	0	12.99	13.10	13.11	
20	64QAM	50	24	12.94	12.95	13.08	13.5
20	64QAM	50	50	12.88	12.90	13.03	
20	64QAM	100	0	12.76	12.84	12.93	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.31	15.54	15.33	16.5
15	QPSK	1	37	15.29	15.39	15.20	
15	QPSK	1	74	15.17	15.36	15.06	
15	QPSK	36	0	15.05	15.12	15.06	15.5
15	QPSK	36	20	15.05	15.13	15.05	
15	QPSK	36	39	14.98	15.08	14.98	
15	QPSK	75	0	15.05	15.03	15.01	15.5
15	16QAM	1	0	14.76	14.88	14.89	
15	16QAM	1	37	14.68	14.77	14.79	
15	16QAM	1	74	14.61	14.70	14.68	14.5
15	16QAM	36	0	14.03	14.15	14.19	
15	16QAM	36	20	14.00	14.07	14.09	
15	16QAM	36	39	13.80	13.98	13.98	14.5
15	16QAM	75	0	13.79	13.80	13.82	
15	64QAM	1	0	13.65	13.76	13.74	
15	64QAM	1	37	13.63	13.63	13.60	14.5
15	64QAM	1	74	13.46	13.49	13.53	
15	64QAM	36	0	12.93	13.03	13.08	
15	64QAM	36	20	12.84	12.84	13.00	13.5
15	64QAM	36	39	12.82	12.81	12.94	
15	64QAM	75	0	12.66	12.76	12.89	
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	15.33	15.52	15.33	16.5
10	QPSK	1	25	15.27	15.39	15.20	
10	QPSK	1	49	15.15	15.34	15.05	
10	QPSK	25	0	15.06	15.16	15.07	15.5
10	QPSK	25	12	15.07	15.13	15.06	
10	QPSK	25	25	15.00	15.04	14.99	
10	QPSK	50	0	15.05	15.04	15.03	15.5
10	16QAM	1	0	14.74	14.87	14.91	
10	16QAM	1	25	14.67	14.78	14.74	
10	16QAM	1	49	14.61	14.68	14.67	14.5
10	16QAM	25	0	14.03	14.15	14.22	
10	16QAM	25	12	14.01	14.03	14.10	
10	16QAM	25	25	13.81	13.99	13.96	14.5
10	16QAM	50	0	13.80	13.81	13.81	
10	64QAM	1	0	13.65	13.73	13.73	
10	64QAM	1	25	13.62	13.61	13.60	14.5
10	64QAM	1	49	13.48	13.50	13.54	
10	64QAM	25	0	12.91	13.02	13.08	
10	64QAM	25	12	12.86	12.85	12.97	13.5
10	64QAM	25	25	12.85	12.81	12.97	
10	64QAM	50	0	12.68	12.79	12.86	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	15.28	15.46	15.31	16.5
5	QPSK	1	12	15.21	15.35	15.17	
5	QPSK	1	24	15.12	15.29	15.01	
5	QPSK	12	0	15.03	15.13	15.06	15.5
5	QPSK	12	7	15.05	15.10	15.05	
5	QPSK	12	13	14.96	15.02	14.98	
5	QPSK	25	0	15.01	15.02	14.97	15.5
5	16QAM	1	0	14.70	14.85	14.89	
5	16QAM	1	12	14.64	14.74	14.71	
5	16QAM	1	24	14.57	14.64	14.63	14.5
5	16QAM	12	0	13.99	14.09	14.18	
5	16QAM	12	7	13.96	13.99	14.06	
5	16QAM	12	13	13.76	13.97	13.91	14.5
5	16QAM	25	0	13.76	13.80	13.77	
5	64QAM	1	0	13.61	13.71	13.69	
5	64QAM	1	12	13.57	13.59	13.58	14.5
5	64QAM	1	24	13.44	13.49	13.52	
5	64QAM	12	0	12.86	12.98	13.03	
5	64QAM	12	7	12.80	12.83	12.95	13.5
5	64QAM	12	13	12.79	12.78	12.93	
5	64QAM	25	0	12.63	12.78	12.82	
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	15.29	15.50	15.30	16.5
3	QPSK	1	8	15.21	15.33	15.16	
3	QPSK	1	14	15.12	15.29	15.00	
3	QPSK	8	0	15.01	15.12	15.04	15.5
3	QPSK	8	4	15.04	15.08	15.04	

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	18.11	18.29	18.20	19
20	QPSK	1	49	18.08	18.19	18.11	
20	QPSK	1	99	18.03	18.06	18.01	
20	QPSK	50	0	17.88	17.83	17.81	18
20	QPSK	50	24	17.59	17.56	17.74	
20	QPSK	50	50	17.55	17.45	17.58	
20	QPSK	100	0	17.38	17.45	17.43	18
20	16QAM	1	0	17.50	17.61	17.67	
20	16QAM	1	49	17.45	17.49	17.56	
20	16QAM	1	99	17.29	17.44	17.52	18
20	16QAM	50	0	16.81	16.71	16.68	
20	16QAM	50	24	16.55	16.54	16.65	
20	16QAM	50	50	16.62	16.70	16.78	17
20	16QAM	100	0	16.56	16.57	16.65	
20	64QAM	1	0	16.53	16.59	16.49	
20	64QAM	1	49	16.42	16.51	16.54	17
20	64QAM	1	99	16.44	16.42	16.40	
20	64QAM	50	0	15.88	15.92	15.89	
20	64QAM	50	24	15.86	15.85	15.83	16
20	64QAM	50	50	15.77	15.81	15.71	
20	64QAM	100	0	15.60	15.73	15.57	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	18.06	18.19	18.11	19
15	QPSK	1	37	18.02	18.13	18.05	
15	QPSK	1	74	18.00	18.02	17.94	
15	QPSK	36	0	17.59	17.59	17.73	18
15	QPSK	36	20	17.52	17.50	17.64	
15	QPSK	36	39	17.49	17.40	17.52	
15	QPSK	75	0	17.31	17.29	17.32	18
15	16QAM	1	0	17.42	17.55	17.62	
15	16QAM	1	37	17.36	17.42	17.50	
15	16QAM	1	74	17.18	17.36	17.48	17
15	16QAM	36	0	16.55	16.68	16.62	
15	16QAM	36	20	16.48	16.44	16.55	
15	16QAM	36	39	16.55	16.64	16.70	17
15	16QAM	75	0	16.51	16.51	16.54	
15	64QAM	1	0	16.47	16.52	16.43	
15	64QAM	1	37	16.36	16.46	16.44	17
15	64QAM	1	74	16.36	16.34	16.29	
15	64QAM	36	0	15.83	15.81	15.84	
15	64QAM	36	20	15.80	15.79	15.78	16
15	64QAM	36	39	15.70	15.74	15.66	
15	64QAM	75	0	15.55	15.69	15.49	
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	18.06	18.23	18.10	19
10	QPSK	1	25	18.02	18.13	18.03	
10	QPSK	1	49	17.99	18.01	17.90	
10	QPSK	25	0	17.59	17.60	17.74	18
10	QPSK	25	12	17.52	17.49	17.65	
10	QPSK	25	25	17.48	17.38	17.49	
10	QPSK	50	0	17.28	17.32	17.34	18
10	16QAM	1	0	17.45	17.53	17.59	
10	16QAM	1	25	17.38	17.42	17.51	
10	16QAM	1	49	17.21	17.35	17.48	17
10	16QAM	25	0	16.57	16.65	16.65	
10	16QAM	25	12	16.51	16.48	16.57	
10	16QAM	25	25	16.55	16.59	16.71	17
10	16QAM	50	0	16.			

3	QPSK	8	7	14.96	14.98	14.96	15.5
3	QPSK	15	0	15.00	14.99	15.02	
3	16QAM	1	0	14.71	14.84	14.86	
3	16QAM	1	8	14.65	14.76	14.72	
3	16QAM	1	14	14.55	14.64	14.62	
3	16QAM	8	0	13.98	14.12	14.21	
3	16QAM	8	4	14.00	13.99	14.07	
3	16QAM	8	7	13.77	13.94	13.92	
3	16QAM	15	0	13.77	13.78	13.78	
3	64QAM	1	0	13.62	13.71	13.68	
3	64QAM	1	8	13.57	13.56	13.54	
3	64QAM	1	14	13.46	13.47	13.49	
3	64QAM	8	0	12.89	13.00	13.02	
3	64QAM	8	4	12.84	12.82	12.94	
3	64QAM	8	7	12.80	12.79	12.94	
3	64QAM	15	0	12.63	12.76	12.84	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.28	15.47	15.32	16.5
1.4	QPSK	1	3	15.26	15.35	15.17	
1.4	QPSK	1	5	15.09	15.29	15.02	
1.4	QPSK	3	0	15.01	15.14	15.01	
1.4	QPSK	3	1	15.06	15.10	15.02	
1.4	QPSK	3	3	14.96	14.99	14.93	
1.4	QPSK	6	0	15.00	15.03	15.02	15.5
1.4	16QAM	1	0	14.70	14.86	14.86	15.5
1.4	16QAM	1	3	14.61	14.72	14.71	
1.4	16QAM	1	5	14.80	14.63	14.62	
1.4	16QAM	3	0	14.01	14.09	14.17	
1.4	16QAM	3	1	13.99	14.00	14.08	
1.4	16QAM	3	3	13.80	13.98	13.91	
1.4	16QAM	6	0	13.75	13.79	13.80	14.5
1.4	64QAM	1	0	13.63	13.67	13.72	14.5
1.4	64QAM	1	3	13.57	13.56	13.58	
1.4	64QAM	1	5	13.42	13.44	13.53	
1.4	64QAM	3	0	12.88	12.97	13.05	
1.4	64QAM	3	1	12.85	12.81	12.96	
1.4	64QAM	3	3	12.81	12.77	12.95	
1.4	64QAM	6	0	12.67	12.75	12.81	13.5

3	QPSK	8	7	17.46	17.34	17.47	18
3	QPSK	15	0	17.22	17.31	17.32	
3	16QAM	1	0	17.41	17.51	17.56	
3	16QAM	1	8	17.33	17.38	17.46	
3	16QAM	1	14	17.15	17.34	17.42	
3	16QAM	8	0	16.56	16.62	16.61	
3	16QAM	8	4	16.46	16.40	16.51	
3	16QAM	8	7	16.51	16.60	16.66	
3	16QAM	15	0	16.46	16.44	16.50	
3	64QAM	1	0	16.41	16.46	16.40	
3	64QAM	1	8	16.33	16.40	16.43	
3	64QAM	1	14	16.34	16.34	16.27	
3	64QAM	8	0	15.77	15.77	15.80	
3	64QAM	8	4	15.77	15.80	15.73	
3	64QAM	8	7	15.69	15.75	15.59	
3	64QAM	15	0	15.55	15.65	15.44	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.09	18.16	18.04	19
1.4	QPSK	1	3	17.99	18.08	17.99	
1.4	QPSK	1	5	17.94	18.00	17.90	
1.4	QPSK	3	0	17.53	17.57	17.73	
1.4	QPSK	3	1	17.52	17.44	17.59	
1.4	QPSK	3	3	17.46	17.35	17.47	
1.4	QPSK	6	0	17.24	17.28	17.34	18
1.4	16QAM	1	0	17.45	17.53	17.57	18
1.4	16QAM	1	3	17.32	17.37	17.47	
1.4	16QAM	1	5	17.14	17.32	17.44	
1.4	16QAM	3	0	16.53	16.63	16.60	
1.4	16QAM	3	1	16.45	16.39	16.52	
1.4	16QAM	3	3	16.55	16.59	16.66	
1.4	16QAM	6	0	16.43	16.44	16.51	17
1.4	64QAM	1	0	16.42	16.49	16.38	17
1.4	64QAM	1	3	16.33	16.39	16.43	
1.4	64QAM	1	5	16.37	16.31	16.28	
1.4	64QAM	3	0	15.76	15.78	15.79	
1.4	64QAM	3	1	15.74	15.79	15.75	
1.4	64QAM	3	3	15.67	15.74	15.59	
1.4	64QAM	6	0	15.54	15.63	15.45	16

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	19.70	19.76	19.66	20.5
10	QPSK	1	25	19.63	19.64	19.59	
10	QPSK	1	49	19.57	19.60	19.53	
10	QPSK	25	0	18.96	19.16	19.03	
10	QPSK	25	12	18.91	19.06	18.87	19.5
10	QPSK	25	25	18.76	18.94	18.73	
10	QPSK	50	0	18.58	18.77	18.56	
10	16QAM	1	0	19.02	19.02	19.05	
10	16QAM	1	25	18.92	18.94	19.00	19.5
10	16QAM	1	49	18.77	18.78	18.87	
10	16QAM	25	0	18.13	18.19	18.11	
10	16QAM	25	12	18.06	18.02	18.17	
10	16QAM	25	25	17.98	17.92	18.06	18.5
10	16QAM	50	0	18.04	18.00	18.09	
10	64QAM	1	0	17.99	17.91	17.88	
10	64QAM	1	25	17.82	17.81	17.74	
10	64QAM	1	49	17.79	17.77	17.68	18.5
10	64QAM	25	0	17.19	17.20	17.10	
10	64QAM	25	12	17.10	17.12	16.95	
10	64QAM	25	25	17.16	17.01	16.88	
10	64QAM	50	0	17.17	17.00	16.91	17.5
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	19.68	19.74	19.64	20.5
5	QPSK	1	12	19.61	19.58	19.53	
5	QPSK	1	24	19.54	19.58	19.51	
5	QPSK	12	0	18.95	19.10	18.98	
5	QPSK	12	7	18.87	19.02	18.85	19.5
5	QPSK	12	13	18.73	18.91	18.68	
5	QPSK	25	0	18.56	18.75	18.52	
5	16QAM	1	0	19.00	18.97	19.03	
5	16QAM	1	12	18.91	18.92	18.96	19.5
5	16QAM	1	24	18.75	18.73	18.84	
5	16QAM	12	0	18.11	18.16	18.06	
5	16QAM	12	7	18.01	17.97	18.12	
5	16QAM	12	13	17.97	17.91	18.02	18.5
5	16QAM	25	0	18.02	17.96	18.05	
5	64QAM	1	0	17.97	17.89	17.83	
5	64QAM	1	12	17.77	17.76	17.68	
5	64QAM	1	24	17.74	17.75	17.67	18.5
5	64QAM	12	0	17.16	17.19	17.06	
5	64QAM	12	7	17.05	17.07	16.91	
5	64QAM	12	13	17.14	17.00	16.85	
5	64QAM	25	0	17.14	16.94	16.87	17.5
Channel				20415	20525	20635	
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	19.60	19.69	19.63	20.5
3	QPSK	1	8	19.56	19.56	19.53	
3	QPSK	1	14	19.51	19.51	19.46	
3	QPSK	8	0	18.84	19.10	18.97	
3	QPSK	8	4	18.85	18.99	18.81	19.5
3	QPSK	8	7	18.68	18.85	18.68	
3	QPSK	15	0	18.48	18.70	18.49	
3	16QAM	1	0	18.95	18.92	18.98	
3	16QAM	1	8	18.85	18.84	18.91	19.5
3	16QAM	1	14	18.73	18.69	18.83	
3	16QAM	8	0	18.05	18.11	18.08	
3	16QAM	8	4	18.02	17.93	18.06	
3	16QAM	8	7	17.93	17.85	18.01	18.5
3	16QAM	15	0	17.98	17.94	18.01	
3	64QAM	1	0	17.94	17.87	17.80	
3	64QAM	1	8	17.75	17.74	17.68	
3	64QAM	1	14	17.71	17.70	17.62	18.5
3	64QAM	8	0	17.14	17.14	17.04	
3	64QAM	8	4	17.03	17.09	16.92	
3	64QAM	8	7	17.10	16.91	16.77	
3	64QAM	15	0	17.13	16.95	16.87	17.5
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	19.60	19.72	19.58	20.5
1.4	QPSK	1	3	19.51	19.48	19.45	
1.4	QPSK	1	5	19.46	19.47	19.40	
1.4	QPSK	3	0	18.83	19.10	18.91	
1.4	QPSK	3	1	18.83	18.91	18.76	19.5
1.4	QPSK	3	3	18.64	18.82	18.65	
1.4	QPSK	6	0	18.47	18.65	18.48	
1.4	16QAM	1	0	18.89	18.88	18.95	
1.4	16QAM	1	3	18.80	18.82	18.85	19.5
1.4	16QAM	1	5	18.66	18.71	18.77	
1.4	16QAM	3	0	18.05	18.11	18.04	
1.4	16QAM	3	1	17.91	17.92	18.03	
1.4	16QAM	3	3	17.89	17.80	17.95	18.5
1.4	16QAM	6	0	17.95	17.95	17.99	
1.4	64QAM	1	0	17.90	17.81	17.77	
1.4	64QAM	1	3	17.76	17.70	17.66	
1.4	64QAM	1	5	17.69	17.65	17.55	18.5
1.4	64QAM	3	0	17.12	17.13	17.02	
1.4	64QAM	3	1	17.01	17.01	16.86	
1.4	64QAM	3	3	17.02	16.90	16.80	
1.4	64QAM	6	0	17.04	16.89	16.80	17.5

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	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	12.90	13.01	12.93	13.5
20	QPSK	1	49	12.41	12.48	12.45	
20	QPSK	1	99	12.32	12.43	12.40	
20	QPSK	50	0	11.73	11.82	11.78	
20	QPSK	50	24	11.61	11.70	11.69	12.5
20	QPSK	50	50	11.57	11.60	11.79	
20	QPSK	100	0	11.56	11.62	11.57	
20	16QAM	1	0	11.53	11.54	11.43	
20	16QAM	1	49	11.40	11.37	11.28	12.5
20	16QAM	1	99	11.29	11.27	11.24	
20	16QAM	50	0	10.78	10.82	10.73	
20	16QAM	50	24	10.76	10.74	10.71	
20	16QAM	50	50	10.71	10.64	10.73	11.5
20	16QAM	100	0	10.72	10.65	10.75	
20	64QAM	1	0	10.43	10.40	10.39	
20	64QAM	1	49	10.36	10.32	10.25	
20	64QAM	1	99	10.32	10.24	10.20	11.5
20	64QAM	50	0	9.67	9.69	9.63	
20	64QAM	50	24	9.51	9.59	9.48	
20	64QAM	50	50	9.41	9.55	9.40	
20	64QAM	100	0	9.48	9.58	9.46	10.5
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	12.50	12.53	12.42	13.5
15	QPSK	1	37	12.37	12.40	12.36	
15	QPSK	1	74	12.24	12.37	12.35	
15	QPSK	36	0	11.69	11.74	11.72	
15	QPSK	36	20	11.58	11.62	11.65	12.5
15	QPSK	36	39	11.47	11.52	11.69	
15	QPSK	75	0	11.48	11.54	11.52	
15	16QAM	1	0	11.43	11.46	11.38	
15	16QAM	1	37	11.34	11.26	11.21	12.5
15	16QAM	1	74	11.19	11.18	11.16	
15	16QAM	36	0	10.71	10.75	10.65	
15	16QAM	36	20	10.72	10.66	10.64	
15	16QAM	36	39	10.63	10.57	10.64	11.5
15	16QAM	75	0	10.64	10.56	10.69	
15	64QAM	1	0	10.38	10.33	10.33	
15	64QAM	1	37	10.31	10.24	10.14	
15	64QAM	1	74	10.24	10.17	10.14	11.5
15	64QAM	36	0	9.61	9.61	9.54	
15	64QAM	36	20	9.43	9.52	9.40	
15	64QAM	36	39	9.37	9.49	9.30	
15	64QAM	75	0	9.42	9.52	9.39	10.5
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	12.49	12.51	12.45	13.5
10	QPSK	1	25	12.37	12.43	12.35	
10	QPSK	1	49	12.25	12.39	12.36	
10	QPSK	25	0	11.67	11.76	11.73	
10	QPSK	25	12	11.54	11.61	11.64	12.5
10	QPSK	25	25	11.49	11.51	11.71	
10	QPSK	50	0	11.49	11.56	11.48	
10	16QAM	1	0	11.44	11.48	11.36	
10	16QAM	1	25	11.32	11.26	11.21	12.5
10	16QAM	1	49	11.21	11.18	11.15	
10	16QAM	25	0	10.73	10.77	10.65	
10	16QAM	25	12	10.71	10.68	10.64	
10	16QAM	25	25	10.62	10.56	10.64	11.5
10	16QAM	50	0	10.61	10.60	10.71	
10	64QAM	1	0	10.39	10.34	10.31	
10	64QAM	1	25	10.30	10.24	10.16	
10	64QAM	1	49	10.23	10.19	10.12	11.5
10	64QAM	25	0	9.63	9.62	9.55	
10	64QAM	25	12	9.46	9.52	9.40	
10	64QAM	25	25	9.33	9.48	9.31	
10	64QAM	50	0	9.40	9.48	9.41	10.5
Channel				20775	21100	21425	
Frequency (MHz)				2502.5	2535	2567.5	

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	23.01	23.18	23.10			
10	QPSK	1	25	22.93	23.04	22.94			
10	QPSK	1	49	22.81	22.96	22.86			
10	QPSK	25	0	22.43	22.51	22.48			
10	QPSK	25	12	22.33	22.46	22.31			
10	QPSK	25	25	22.26	22.42	22.25			
10	QPSK	50	0	22.19	22.40	22.19			
10	16QAM	1	0	22.43	22.47	22.47			
10	16QAM	1	25	22.29	22.42	22.31			
10	16QAM	1	49	22.21	22.34	22.24			
10	16QAM	25	0	21.59	21.64	21.55			
10	16QAM	25	12	21.50	21.61	21.48			
10	16QAM	25	25	21.46	21.50	21.45			
10	16QAM	50	0	21.40	21.44	21.37			
10	64QAM	1	0	20.95	21.05	20.99			
10	64QAM	1	25	20.86	21.01	20.94			
10	64QAM	1	49	20.89	20.95	20.84			
10	64QAM	25	0	20.55	20.59	20.56			
10	64QAM	25	12	20.51	20.51	20.44			
10	64QAM	25	25	20.45	20.46	20.40			
10	64QAM	50	0	20.42	20.39	20.38			
Channel				23035	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	22.92	23.11	23.02			
5	QPSK	1	12	22.88	22.96	22.86			
5	QPSK	1	24	22.73	22.90	22.77			
5	QPSK	12	0	22.35	22.44	22.43			
5	QPSK	12	7	22.25	22.38	22.26			
5	QPSK	12	13	22.21	22.35	22.21			
5	QPSK	25	0	22.12	22.36	22.17			
5	16QAM	1	0	22.35	22.41	22.39			
5	16QAM	1	12	22.23	22.33	22.25			
5	16QAM	1	24	22.15	22.27	22.22			
5	16QAM	12	0	21.51	21.57	21.47			
5	16QAM	12	7	21.43	21.55	21.44			
5	16QAM	12	13	21.34	21.45	21.35			
5	16QAM	25	0	21.33	21.40	21.32			
5	64QAM	1	0	20.88	21.00	20.89			
5	64QAM	1	12	20.80	20.95	20.88			
5	64QAM	1	24	20.81	20.85	20.77			
5	64QAM	12	0	20.45	20.54	20.48			
5	64QAM	12	7	20.44	20.43	20.35			
5	64QAM	12	13	20.35	20.40	20.32			
5	64QAM	25	0	20.32	20.32	20.28			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	22.91	23.13	23.01			
3	QPSK	1	8	22.88	23.00	22.84			
3	QPSK	1	14	22.76	22.92	22.78			
3	QPSK	8	0	22.34	22.46	22.45			
3	QPSK	8	4	22.23	22.37	22.26			
3	QPSK	8	7	22.22	22.31	22.21			
3	QPSK	15	0	22.08	22.36	22.16			
3	16QAM	1	0	22.35	22.41	22.36			
3	16QAM	1	8	22.23	22.35	22.25			
3	16QAM	1	14	22.14	22.25	22.21			
3	16QAM	8	0	21.52	21.56	21.47			
3	16QAM	8	4	21.43	21.53	21.44			
3	16QAM	8	7	21.39	21.45	21.36			
3	16QAM	15	0	21.37	21.38	21.29			
3	64QAM	1	0	20.86	20.98	20.88			
3	64QAM	1	8	20.79	20.97	20.86			
3	64QAM	1	14	20.82	20.87	20.77			
3	64QAM	8	0	20.44	20.54	20.46			
3	64QAM	8	4	20.44	20.42	20.36			
3	64QAM	8	7	20.37	20.38	20.30			
3	64QAM	15	0	20.35	20.30	20.31			
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	22.91	23.10	23.00			
1.4	QPSK	1	3	22.84	22.96	22.83			
1.4	QPSK	1	5	22.67	22.87	22.76			
1.4	QPSK	3	0	22.30	22.41	22.38			
1.4	QPSK	3	1	22.22	22.34	22.18			
1.4	QPSK	3	3	22.17	22.29	22.13			
1.4	QPSK	6	0	22.10	22.29	22.12			
1.4	16QAM	1	0	22.31	22.39	22.36			
1.4	16QAM	1	3	22.17	22.31	22.21			
1.4	16QAM	1	5	22.10	22.20	22.16			
1.4	16QAM	3	0	21.50	21.53	21.44			
1.4	16QAM	3	1	21.41	21.50	21.40			
1.4	16QAM	3	3	21.35	21.43	21.36			
1.4	16QAM	6	0	21.30	21.36	21.30			
1.4	64QAM	1	0	20.85	20.95	20.87			
1.4	64QAM	1	3	20.74	20.95	20.87			
1.4	64QAM	1	5	20.80	20.81	20.75			
1.4	64QAM	3	0	20.41	20.49	20.47			
1.4	64QAM	3	1	20.40	20.39	20.36			
1.4	64QAM	3	3	20.31	20.34	20.28			
1.4	64QAM	6	0	20.28	20.24	20.29			

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		21.58				
10	QPSK	1	25		21.42				
10	QPSK	1	49		21.39				
10	QPSK	25	0		20.89				
10	QPSK	25	12		20.76				
10	QPSK	25	25		20.65				
10	QPSK	50	0		20.63				
10	16QAM	1	0		20.68				
10	16QAM	1	25		20.60				
10	16QAM	1	49		20.54				
10	16QAM	25	0		20.09				
10	16QAM	25	12		19.94				
10	16QAM	25	25		19.86				
10	16QAM	50	0		19.80				
10	64QAM	1	0		19.75				
10	64QAM	1	25		19.70				
10	64QAM	1	49		19.63				
10	64QAM	25	0		19.03				
10	64QAM	25	12		18.99				
10	64QAM	25	25		18.97				
10	64QAM	50	0		18.92				
Channel				23205	23230	23255			
Frequency (MHz)				779.5	782	784.5			
5	QPSK	1	0	21.45	21.46	21.38			
5	QPSK	1	12	21.31	21.34	21.30			
5	QPSK	1	24	21.27	21.34	21.27			
5	QPSK	12	0	20.79	20.84	20.76			
5	QPSK	12	7	20.68	20.70	20.61			
5	QPSK	12	13	20.51	20.56	20.48			
5	QPSK	25	0	20.53	20.57	20.48			
5	16QAM	1	0	20.54	20.64	20.53			
5	16QAM	1	12	20.49	20.54	20.45			
5	16QAM	1	24	20.45	20.46	20.43			
5	16QAM	12	0	20.01	20.03	19.93			
5	16QAM	12	7	19.84	19.88	19.83			
5	16QAM	12	13	19.74	19.78	19.71			
5	16QAM	25	0	19.73	19.74	19.68			
5	64QAM	1	0	19.68	19.68	19.61			
5	64QAM	1	12	19.63	19.65	19.58			
5	64QAM	1	24	19.55	19.56	19.50			
5	64QAM	12	0	18.89	18.97	18.89			
5	64QAM	12	7	18.87	18.93	18.85			
5	64QAM	12	13	18.88	18.89	18.84			
5	64QAM	25	0	18.82	18.83	18.80			

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				23760	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	22.93	23.00	22.96	24
10	QPSK	1	25	22.85	22.88	22.90	
10	QPSK	1	49	22.83	22.82	22.78	
10	QPSK	25	0	22.33	22.35	22.33	23
10	QPSK	25	12	22.16	22.25	22.21	
10	QPSK	25	25	22.13	22.20	22.15	
10	QPSK	50	0	22.10	22.28	22.18	23
10	16QAM	1	0	22.22	22.27	22.23	
10	16QAM	1	25	22.16	22.16	22.12	
10	16QAM	1	49	22.10	22.14	22.13	22
10	16QAM	25	0	21.56	21.67	21.61	
10	16QAM	25	12	21.53	21.58	21.55	
10	16QAM	25	25	21.45	21.56	21.44	22
10	16QAM	50	0	21.42	21.52	21.47	
10	64QAM	1	0	21.42	21.47	21.39	
10	64QAM	1	25	21.34	21.31	21.24	22
10	64QAM	1	49	21.31	21.24	21.16	
10	64QAM	25	0	20.50	20.53	20.55	
10	64QAM	25	12	20.45	20.49	20.48	21
10	64QAM	25	25	20.33	20.38	20.41	
10	64QAM	50	0	20.40	20.44	20.40	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.91	22.96	22.91	24
5	QPSK	1	12	22.84	22.85	22.86	
5	QPSK	1	24	22.80	22.77	22.75	
5	QPSK	12	0	22.28	22.33	22.29	23
5	QPSK	12	7	22.11	22.22	22.17	
5	QPSK	12	13	22.09	22.17	22.14	
5	QPSK	25	0	22.07	22.27	22.15	23
5	16QAM	1	0	22.20	22.26	22.18	
5	16QAM	1	12	22.15	22.13	22.07	
5	16QAM	1	24	22.09	22.09	22.08	22
5	16QAM	12	0	21.51	21.63	21.57	
5	16QAM	12	7	21.48	21.53	21.50	
5	16QAM	12	13	21.41	21.51	21.42	22
5	16QAM	25	0	21.38	21.48	21.42	
5	64QAM	1	0	21.37	21.43	21.38	
5	64QAM	1	12	21.29	21.26	21.18	22
5	64QAM	1	24	21.28	21.22	21.12	
5	64QAM	12	0	20.48	20.51	20.50	
5	64QAM	12	7	20.43	20.48	20.45	21
5	64QAM	12	13	20.30	20.34	20.39	
5	64QAM	25	0	20.36	20.39	20.39	

Band 40 (2.3G Band-1) (dBm) Part 27D-1 2305MHz ~ 2315MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			18.5
Frequency (MHz)				2310			
10	QPSK	1	0	17.72			18.5
10	QPSK	1	25	17.68			
10	QPSK	1	49	17.57			
10	QPSK	25	0	16.77			17.5
10	QPSK	25	12	16.74			
10	QPSK	25	25	16.73			
10	QPSK	50	0	16.63			17.5
10	16QAM	1	0	16.68			
10	16QAM	1	25	16.60			
10	16QAM	1	49	16.66			17.5
10	16QAM	25	0	15.98			
10	16QAM	25	12	15.86			
10	16QAM	25	25	15.91			16.5
10	16QAM	50	0	15.74			
10	64QAM	1	0	15.64			
10	64QAM	1	25	15.70			16.5
10	64QAM	1	49	15.73			
10	64QAM	25	0	14.86			
10	64QAM	25	12	14.73			15.5
10	64QAM	25	25	14.85			
10	64QAM	50	0	14.65			
Channel				38725	38750	38775	18.5
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	17.60	17.66	17.63	18.5
5	QPSK	1	12	17.57	17.66	17.59	
5	QPSK	1	24	17.43	17.54	17.42	
5	QPSK	12	0	16.61	16.71	16.65	17.5
5	QPSK	12	7	16.60	16.70	16.64	
5	QPSK	12	13	16.59	16.70	16.64	
5	QPSK	25	0	16.49	16.57	16.51	17.5
5	16QAM	1	0	16.55	16.62	16.59	
5	16QAM	1	12	16.48	16.54	16.54	
5	16QAM	1	24	16.55	16.62	16.57	17.5
5	16QAM	12	0	15.84	15.95	15.88	
5	16QAM	12	7	15.69	15.84	15.74	
5	16QAM	12	13	15.80	15.90	15.83	16.5
5	16QAM	25	0	15.62	15.73	15.68	
5	64QAM	1	0	15.49	15.63	15.52	
5	64QAM	1	12	15.61	15.68	15.60	16.5
5	64QAM	1	24	15.59	15.70	15.58	
5	64QAM	12	0	14.75	14.85	14.74	
5	64QAM	12	7	14.63	14.67	14.62	15.5
5	64QAM	12	13	14.71	14.84	14.75	
5	64QAM	25	0	14.53	14.63	14.54	

Band 40 (2.3G Band-2) (dBm) Part 27D-2 2350MHz ~ 2360MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			18.5
Frequency (MHz)				2355			
10	QPSK	1	0	17.71			18.5
10	QPSK	1	25	17.60			
10	QPSK	1	49	17.65			
10	QPSK	25	0	16.68			17.5
10	QPSK	25	12	16.65			
10	QPSK	25	25	16.66			
10	QPSK	50	0	16.57			17.5
10	16QAM	1	0	16.64			
10	16QAM	1	25	16.68			
10	16QAM	1	49	16.63			17.5
10	16QAM	25	0	15.93			
10	16QAM	25	12	15.81			
10	16QAM	25	25	15.90			16.5
10	16QAM	50	0	15.72			
10	64QAM	1	0	15.60			
10	64QAM	1	25	15.68			16.5
10	64QAM	1	49	15.71			
10	64QAM	25	0	14.82			
10	64QAM	25	12	14.68			15.5
10	64QAM	25	25	14.84			
10	64QAM	50	0	14.60			
Channel				39175	39200	39225	18.5
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	17.58	17.66	17.59	18.5
5	QPSK	1	12	17.51	17.55	17.50	
5	QPSK	1	24	17.52	17.59	17.51	
5	QPSK	12	0	16.56	16.64	16.58	17.5
5	QPSK	12	7	16.52	16.62	16.52	
5	QPSK	12	13	16.55	16.62	16.58	
5	QPSK	25	0	16.50	16.55	16.52	17.5
5	16QAM	1	0	16.52	16.60	16.51	
5	16QAM	1	12	16.51	16.54	16.46	
5	16QAM	1	24	16.53	16.58	16.51	17.5
5	16QAM	12	0	15.86	15.88	15.88	
5	16QAM	12	7	15.70	15.78	15.70	
5	16QAM	12	13	15.79	15.88	15.77	16.5
5	16QAM	25	0	15.60	15.69	15.63	
5	64QAM	1	0	15.48	15.57	15.51	
5	64QAM	1	12	15.54	15.66	15.51	16.5
5	64QAM	1	24	15.60	15.69	15.59	
5	64QAM	12	0	14.67	14.80	14.69	
5	64QAM	12	7	14.55	14.67	14.57	15.5
5	64QAM	12	13	14.77	14.82	14.74	
5	64QAM	25	0	14.53	14.56	14.54	

Band 41 (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)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	15.37	15.40	15.67	15.46	15.43	16.5
20	QPSK	1	49	15.26	15.37	15.64	15.28	15.34	
20	QPSK	1	99	15.21	15.26	15.52	15.18	15.22	
20	QPSK	50	0	14.73	14.82	14.86	14.81	14.84	15.5
20	QPSK	50	24	14.66	14.69	14.58	14.68	14.70	
20	QPSK	50	50	14.64	14.60	14.53	14.57	14.62	
20	QPSK	100	0	14.58	14.53	14.72	14.63	14.69	15.5
20	16QAM	1	0	14.69	14.65	14.76	14.52	14.62	
20	16QAM	1	49	14.60	14.52	14.69	14.54	14.58	
20	16QAM	1	99	14.49	14.49	14.62	14.48	14.52	14.5
20	16QAM	50	0	14.04	14.05	14.07	13.92	14.02	
20	16QAM	50	24	14.00	13.89	14.03	13.86	13.96	
20	16QAM	50	50	13.89	13.78	13.94	13.80	13.86	14.5
20	16QAM	100	0	13.86	13.73	13.90	13.73	13.80	
20	64QAM	1	0	13.91	13.92	13.97	13.78	13.83	
20	64QAM	1	49	13.78	13.76	13.71	13.72	13.69	14.5
20	64QAM	1	99	13.66	13.66	13.63	13.65	13.64	
20	64QAM	50	0	13.11	13.10	13.13	13.11	13.07	
20	64QAM	50	24	13.04	13.12	13.00	13.00	13.00	13.5
20	64QAM	50	50	12.98	13.02	12.93	12.90	12.92	
20	64QAM	100	0	13.03	13.09	12.98	12.93	13.01	
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	15.31	15.30	15.55	15.35	15.38	16.5
15	QPSK	1	37	15.20	15.27	15.57	15.22	15.25	
15	QPSK	1	74	15.09	15.20	15.44	15.09	15.17	
15	QPSK	36	0	14.64	14.76	14.79	14.75	14.74	15.5
15	QPSK	36	20	14.57	14.65	14.50	14.57	14.61	
15	QPSK	36	39	14.54	14.56	14.42	14.50	14.57	
15	QPSK	75	0	14.53	14.45	14.61	14.55	14.62	15.5
15	16QAM	1	0	14.62	14.56	14.73	14.49	14.54	
15	16QAM	1	37	14.49	14.46	14.61	14.47	14.47	
15	16QAM	1	74	14.44	14.40	14.52	14.43	14.43	14.5
15	16QAM	36	0	13.95	14.01	13.97	13.84	13.96	
15	16QAM	36	20	13.92	13.84	13.99	13.79	13.86	
15	16QAM	36	39	13.83	13.73	13.85	13.73	13.76	14.5
15	16QAM	75	0	13.82	13.69	13.83	13.63	13.74	
15	64QAM	1	0	13.80	13.85	13.88	13.74	13.79	
15	64QAM	1	37	13.70	13.69	13.63	13.68	13.58	14.5
15	64QAM	1	74	13.60	13.57	13.53	13.61	13.59	
15	64QAM	36	0	13.05	13.03	13.01	13.06	13.00	
15	64QAM	36	20	12.95	13.00	12.96	12.94	12.95	13.5
15	64QAM	36	39	12.96	12.96	12.89	12.83	12.83	
15	64QAM	75	0	12.96	12.99	12.92	12.89	12.95	
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	15.29	15.31	15.55	15.38	15.37	16.5
10	QPSK	1	25	15.23	15.29	15.56	15.24	15.26	
10	QPSK	1	49	15.13	15.19	15.44	15.09	15.13	
10	QPSK	25	0	14.63	14.77	14.82	14.73	14.75	15.5
10	QPSK	25	12	14.59	14.65	14.50	14.59	14.64	
10	QPSK	25	25	14.58	14.55	14.44	14.49	14.58	
10	QPSK	50	0	14.53	14.48	14.58	14.56	14.61	15.5
10	16QAM	1	0	14.59	14.58	14.72	14.48	14.58	
10	16QAM	1	25	14.49	14.44	14.62	14.49	14.49	
10	16QAM	1	49	14.44	14.43	14.56	14.44	14.46	14.5
10	16QAM	25	0	13.95	14.01	13.99	13.84	13.97	
10	16QAM	25	12	13.90	13.83	13.98	13.80	13.86	
10	16QAM	25	25	13.84	13.69	13.87	13.73	13.75	14.5
10	16QAM	50	0	13.81	13.65	13.85	13.64	13.70	
10	64QAM	1	0	13.80	13.86	13.88	13.72	13.77	
10	64QAM	1	25	13.69	13.71	13.63	13.65	13.61	14.5
10	64QAM	1	49	13.63	13.59	13.55	13.61	13.58	
10	64QAM	25	0	13.07	13.01	13.05	13.01	12.96	
10	64QAM	25	12	12.95	13.02	12.92	12.93	12.94	13.5
10	64QAM	25	25	12.92	12.96	12.90	12.82	12.87	
10	64QAM	50	0	12.97	12.97	12.92	12.86	12.93	
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	15.25	15.25	15.50	15.37	15.35	16.5
5	QPSK	1	12	15.21	15.26	15.54	15.19	15.24	
5	QPSK	1	24	15.09	15.14	15.43	15.04	15.11	
5	QPSK	12	0	14.61	14.75	14.81	14.69	14.73	15.5
5	QPSK	12	7	14.53	14.62	14.49	14.58	14.62	
5	QPSK	12	13	14.57	14.51	14.40	14.45	14.55	
5	QPSK	25	0	14.52	14.45	14.55	14.54	14.55	15.5
5	16QAM	1	0	14.54	14.56	14.69	14.45	14.53	
5	16QAM	1	12	14.44	14.42	14.59	14.45	14.44	
5	16QAM	1	24	14.42	14.40	14.51	14.41	14.43	14.5
5	16QAM	12	0	13.89	13.97	13.97	13.82	13.95	
5	16QAM	12	7	13.86	13.77	13.94	13.78	13.81	
5	16QAM	12	13	13.80	13.66	13.84	13.68	13.69	14.5
5	16QAM	25	0	13.80	13.60	13.82	13.59	13.69	
5	64QAM	1	0	13.75	13.83	13.82	13.68	13.75	
5	64QAM	1	12	13.65	13.68	13.60	13.61	13.56	14.5
5	64QAM	1	24	13.62	13.57	13.51	13.58	13.55	
5	64QAM	12	0	13.06	12.96	13.02	12.99	12.93	
5	64QAM	12	7	12.91	13.00	12.89	12.90	12.92	13.5
5	64QAM	12	13	12.89	12.96	12.89	12.80	12.84	
5	64QAM	25	0	12.95	12.93	12.88	12.80	12.91	

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	13.78	14.50	18.00	99.57
	CH 7	2442	14.24	14.50	18.00	
	CH 13	2472	14.46	15.00	18.00	
802.11g 6Mbps	CH 1	2412	13.20	13.50	18.00	96.94
	CH 7	2442	13.89	14.50	18.00	
	CH 13	2472	13.92	14.50	18.00	
802.11n-HT20 MCS0	CH 1	2412	13.15	13.50	18.00	96.73
	CH 7	2442	13.76	14.00	18.00	
	CH 13	2472	13.76	14.00	18.00	
802.11n-HT40 MCS0	CH 3	2422	12.68	13.00	17.00	93.64
	CH 6	2442	12.52	13.50	17.00	
	CH 9	2462	13.00	13.50	17.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	5.44	6.00	12.00	96.94
	CH 44	5220	5.25	5.50	12.00	
	CH 48	5240	4.20	4.50	12.00	
802.11n-HT20 MCS0	CH 36	5180	5.50	6.00	12.00	96.73
	CH 44	5220	4.84	5.50	12.00	
	CH 48	5240	4.63	5.00	12.00	
802.11n-HT40 MCS0	CH 36	5180	5.31	5.50	12.00	93.66
	CH 46	5230	4.70	5.50	12.00	
	CH 36	5180	4.42	5.00	11.00	
802.11ac-VHT20 MCS0	CH 44	5220	4.00	4.50	11.00	96.76
	CH 48	5240	5.37	5.50	11.00	
	CH 38	5190	4.35	5.00	11.00	
802.11ac-VHT40 MCS0	CH 46	5230	3.87	4.50	11.00	93.70
	CH 42	5210	4.52	4.50	11.00	
	CH 42	5210	4.52	4.50	11.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	3.07	3.50	12.00	96.94
	CH 60	5300	3.78	4.50	12.00	
	CH 64	5320	3.63	4.00	12.00	
802.11n-HT20 MCS0	CH 52	5260	3.41	4.00	12.00	96.73
	CH 60	5300	3.71	4.00	12.00	
	CH 64	5320	3.22	3.50	12.00	
802.11n-HT40 MCS0	CH 54	5270	3.12	3.50	11.00	93.66
	CH 62	5310	2.75	3.50	11.00	
	CH 52	5260	4.32	4.50	12.00	
802.11ac-VHT20 MCS0	CH 60	5300	3.92	4.50	12.00	96.76
	CH 64	5320	3.26	3.50	12.00	
	CH 54	5270	3.18	3.50	11.00	
802.11ac-VHT40 MCS0	CH 62	5310	2.84	3.50	11.00	93.70
	CH 58	5290	3.13	3.50	11.00	
	CH 58	5290	3.13	3.50	11.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	2.27	2.50	12.00	96.94
	CH 116	5580	2.36	3.00	12.00	
	CH 120	5600	2.48	3.00	12.00	
	CH 144	5720	2.61	3.00	12.00	
802.11n-HT20 MCS0	CH 100	5500	2.17	2.50	12.00	96.73
	CH 116	5580	2.28	2.50	12.00	
	CH 120	5600	2.24	2.50	12.00	
	CH 144	5720	2.61	3.00	12.00	
802.11n-HT40 MCS0	CH 102	5510	2.65	3.00	12.00	93.66
	CH 106	5550	2.06	2.50	12.00	
	CH 126	5630	2.25	2.50	12.00	
	CH 142	5710	2.80	3.50	12.00	
802.11ac-VHT20 MCS0	CH 100	5500	1.82	2.50	12.00	96.76
	CH 116	5580	1.80	2.50	12.00	
	CH 120	5600	2.03	2.50	12.00	
	CH 144	5720	2.19	2.50	12.00	
802.11ac-VHT40 MCS0	CH 102	5510	2.61	3.00	12.00	93.70
	CH 106	5550	2.44	3.00	12.00	
	CH 126	5630	2.69	3.00	12.00	
	CH 142	5710	2.40	3.00	12.00	
802.11ac-VHT80 MCS0	CH 106	5530	2.67	3.00	12.00	88.06
	CH 122	5610	2.61	3.00	12.00	
	CH 138	5690	2.61	3.50	12.00	
	CH 138	5690	2.61	3.50	12.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 149	5745	5.89	6.50	15.00	96.94
	CH 157	5785	5.93	6.50	15.00	
	CH 165	5825	6.46	7.00	15.00	
802.11n-HT20 MCS0	CH 149	5745	5.73	6.50	15.00	96.73
	CH 157	5785	5.77	6.50	15.00	
	CH 165	5825	5.98	6.50	15.00	
802.11n-HT40 MCS0	CH 151	5755	6.27	6.50	15.00	93.66
	CH 159	5795	6.28	6.50	15.00	
	CH 149	5745	5.77	6.50	15.00	
802.11ac-VHT20 MCS0	CH 157	5785	5.84	6.50	15.00	96.76
	CH 165	5825	6.45	7.00	15.00	
	CH 151	5755	6.14	6.50	15.00	
802.11ac-VHT40 MCS0	CH 159	5795	6.34	7.00	15.00	93.70
	CH 155	5775	6.39	7.00	15.00	
	CH 155	5775	6.39	7.00	15.00	

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	8.11	4.88	4.95
	CH 39	2441	7.53	5.39	5.44
	CH 78	2480	7.23	5.28	5.29
Tune-up Limit			8.5	6	6
Duty Cycle %			77.07	77.07	77.13
power level setting			default	default	default

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps	
			Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
BR / EDR	CH 00	2402	-6.44	0.00	-6.89	0.00
	CH 39	2441	-6.01	0.00	-6.17	0.00
	CH 78	2480	-6.67	0.00	-5.73	0.00
Duty Cycle %			81.9		31.75	
power level setting			default		default	