



REPORT No.: SZ23080057S01

Annex E Conducted Power

Note:

Conducted power unit: dBm.

The target power was recorded in the manufacture 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	32.54	32.60	32.51	33.50	23.54	23.60	23.51	24.50	0.14
GPRS 1 Tx slot	32.49	32.53	32.46	33.50	23.49	23.53	23.46	24.50	
GPRS 2 Tx slots	31.69	31.77	31.68	32.50	25.69	25.77	25.68	26.50	0.09
GPRS 3 Tx slots	30.01	30.09	29.97	30.50	25.75	25.83	25.71	26.24	0.12
GPRS 4 Tx slots	27.57	27.61	27.58	28.50	24.57	24.61	24.58	25.50	0.04
EDGE 1 Tx slot	26.99	27.10	26.95	27.50	17.99	18.10	17.95	18.50	0.15
EDGE 2 Tx slots	25.73	25.85	25.75	26.50	19.73	19.85	19.75	20.50	0.12
EDGE 3 Tx slots	23.63	23.77	23.75	24.50	19.37	19.51	19.49	20.24	0.14
EDGE 4 Tx slots	21.64	21.67	21.52	22.50	18.64	18.67	18.52	19.50	0.15
Mode		Max.	32.60			Max.	25.83		
Attenuator	Cable Loss : 0.6								

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	29.58	29.63	29.57	30.50	20.58	20.63	20.57	21.50	0.20
GPRS 1 Tx slot	29.43	29.58	29.53	30.50	20.43	20.58	20.53	21.50	
GPRS 2 Tx slots	28.76	28.78	28.71	29.50	22.76	22.78	22.71	23.50	0.07
GPRS 3 Tx slots	27.04	27.07	27.00	28.50	22.78	22.81	22.74	24.24	0.07
GPRS 4 Tx slots	26.10	26.12	26.05	27.50	23.10	23.12	23.05	24.50	0.07
EDGE 1 Tx slot	25.57	25.60	25.56	26.50	16.57	16.60	16.56	17.50	0.04
EDGE 2 Tx slots	24.68	24.70	24.65	25.50	18.68	18.70	18.65	19.50	0.05
EDGE 3 Tx slots	22.74	22.86	22.76	24.50	18.48	18.60	18.50	20.24	0.12
EDGE 4 Tx slots	21.58	21.61	21.54	23.50	18.58	18.61	18.54	20.50	0.07
Mode		Max.	29.63			Max.	23.12		
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	RMC 12.2Kbps	22.80	22.82	22.75	23.50	22.77	22.82	22.79	23.50	23.11	23.17	23.13	24.00
3GPP Rel 5	HSDPA Subtest-1	22.10	22.04	22.13	22.50	22.15	22.17	22.12	22.50	21.99	21.93	22.04	22.50
3GPP Rel 5	HSDPA Subtest-2	22.11	22.06	22.09	22.50	22.15	22.16	22.09	22.50	21.90	21.90	21.98	22.50
3GPP Rel 5	HSDPA Subtest-3	21.59	21.51	21.62	22.00	21.67	21.65	21.65	22.00	21.44	21.48	21.52	22.00
3GPP Rel 5	HSDPA Subtest-4	21.58	21.49	21.56	22.00	21.62	21.66	21.64	22.00	21.40	21.45	21.52	22.00
3GPP Rel 6	HSUPA Subtest-1	22.13	21.57	21.49	22.50	21.63	21.67	21.64	22.00	21.46	21.44	21.50	21.50
3GPP Rel 6	HSUPA Subtest-2	22.10	22.08	21.97	22.50	22.17	22.15	22.10	22.50	21.91	21.89	22.04	22.50
3GPP Rel 6	HSUPA Subtest-3	21.12	21.05	20.99	21.50	21.16	21.18	21.13	21.50	20.94	20.97	21.01	21.50
3GPP Rel 6	HSUPA Subtest-4	22.11	22.04	21.96	22.50	22.12	22.16	22.11	22.50	21.88	21.92	21.97	22.50
3GPP Rel 6	HSUPA Subtest-5	21.08	21.06	20.97	21.50	21.10	21.17	21.13	21.50	20.93	20.94	21.00	21.50
Attenuator		Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6		
Mode		Max.	22.82			Max.	22.82			Max.	23.17		

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	22.63	22.67	22.60	23.5
20	QPSK	1	49	22.55	22.57	22.56	
20	QPSK	1	99	22.42	22.48	22.54	
20	QPSK	50	0	21.82	21.96	21.92	22.5
20	QPSK	50	24	21.79	21.92	21.85	
20	QPSK	50	50	21.71	21.87	21.74	
20	QPSK	100	0	21.60	21.83	21.63	22.5
20	16QAM	1	0	21.87	22.03	21.84	
20	16QAM	1	49	21.75	21.97	21.69	
20	16QAM	1	99	21.68	21.82	21.64	21.5
20	16QAM	50	0	20.75	20.88	20.78	
20	16QAM	50	24	20.69	20.83	20.64	
20	16QAM	50	50	20.63	20.75	20.55	21.5
20	16QAM	100	0	20.55	20.69	20.43	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.53	22.58	22.51	23.5
15	QPSK	1	37	22.47	22.49	22.53	
15	QPSK	1	74	22.39	22.41	22.47	
15	QPSK	36	0	21.73	21.90	21.84	22.5
15	QPSK	36	20	21.71	21.83	21.74	
15	QPSK	36	39	21.61	21.84	21.68	
15	QPSK	75	0	21.55	21.77	21.59	22.5
15	16QAM	1	0	21.83	21.99	21.75	
15	16QAM	1	37	21.68	21.93	21.65	
15	16QAM	1	74	21.59	21.75	21.57	21.5
15	16QAM	36	0	20.69	20.83	20.68	
15	16QAM	36	20	20.64	20.79	20.60	
15	16QAM	36	39	20.53	20.68	20.48	21.5
15	16QAM	75	0	20.46	20.61	20.34	
Channel				133172	133272	133422	
Frequency (MHz)				688	678	693	
10	QPSK	1	0	22.56	22.60	22.51	23.5
10	QPSK	1	25	22.52	22.50	22.49	
10	QPSK	1	49	22.33	22.43	22.50	
10	QPSK	25	0	21.71	21.87	21.88	22.5
10	QPSK	25	12	21.69	21.86	21.74	
10	QPSK	25	25	21.60	21.79	21.67	
10	QPSK	50	0	21.51	21.74	21.56	22.5
10	16QAM	1	0	21.77	21.95	21.77	
10	16QAM	1	25	21.71	21.92	21.65	
10	16QAM	1	49	21.59	21.76	21.57	21.5
10	16QAM	25	0	20.65	20.82	20.73	
10	16QAM	25	12	20.58	20.76	20.57	
10	16QAM	25	25	20.57	20.68	20.51	21.5
10	16QAM	50	0	20.44	20.65	20.35	
Channel				133147	133247	133447	
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	22.58	22.64	22.55	23.5
5	QPSK	1	12	22.46	22.48	22.51	
5	QPSK	1	24	22.34	22.42	22.46	
5	QPSK	12	0	21.74	21.92	21.85	22.5
5	QPSK	12	7	21.71	21.82	21.78	
5	QPSK	12	13	21.61	21.80	21.69	
5	QPSK	25	0	21.55	21.79	21.55	22.5
5	16QAM	1	0	21.81	21.99	21.76	
5	16QAM	1	12	21.67	21.90	21.62	
5	16QAM	1	24	21.61	21.78	21.55	21.5
5	16QAM	12	0	20.68	20.79	20.71	
5	16QAM	12	7	20.64	20.72	20.56	
5	16QAM	12	13	20.58	20.66	20.44	21.5
5	16QAM	25	0	20.46	20.64	20.33	

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	17.24	17.50	17.50	99.57
	CH 6	2437	17.99	18.50	17.50	
	CH 11	2462	17.50	18.00	17.50	
	CH 1	2412	17.08	17.50	17.50	
	CH 6	2437	17.56	18.00	17.50	
	CH 11	2462	17.34	18.00	17.50	
802.11g 6Mbps	CH 1	2412	15.88	16.50	16.00	96.88
	CH 6	2437	16.38	16.50	16.00	
	CH 11	2462	16.13	16.50	16.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	15.75	16.00	16.00	96.94
	CH 44	5220	15.64	16.00	16.00	
	CH 48	5240	15.46	16.00	16.00	
802.11n-HT20 MCS9	CH 36	5180	15.64	16.00	16.00	96.73
	CH 44	5220	15.91	16.00	16.00	
	CH 48	5240	16.50	16.00	16.00	
802.11n-HT40 MCS9	CH 36	5180	14.18	14.50	14.50	93.71
	CH 44	5220	14.14	14.50	14.50	
	CH 48	5240	14.14	14.50	14.50	
802.11ac-VHT20 MCS9	CH 36	5180	14.15	14.50	14.50	96.76
	CH 44	5220	14.33	14.50	14.50	
	CH 48	5240	13.94	14.50	14.50	
802.11ac-VHT40 MCS9	CH 36	5180	12.22	12.50	12.50	93.68
	CH 44	5220	12.07	12.50	12.50	
	CH 48	5240	12.00	12.00	12.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	15.97	16.00	16.00	96.94
	CH 60	5300	15.47	16.00	16.00	
	CH 64	5320	15.14	15.50	15.11	
802.11n-HT20 MCS9	CH 52	5260	15.51	16.00	16.00	96.73
	CH 60	5300	15.50	16.00	16.00	
	CH 64	5320	14.38	15.00	16.00	
802.11n-HT40 MCS9	CH 54	5270	13.82	14.50	14.50	93.71
	CH 62	5310	13.83	14.50	14.50	
	CH 52	5260	14.16	14.50	14.50	
802.11ac-VHT20 MCS9	CH 60	5300	13.95	14.50	14.50	96.76
	CH 64	5320	13.65	14.50	14.50	
	CH 54	5270	11.84	12.50	12.50	
802.11ac-VHT40 MCS9	CH 62	5310	11.78	12.50	12.50	93.68
	CH 56	5290	11.42	12.00	12.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5900	15.84	16.00	16.00	96.94
	CH 116	5980	15.26	15.50	16.00	
	CH 120	5960	15.54	16.00	16.00	
	CH 144	5720	15.57	16.00	16.00	
802.11n-HT20 MCS9	CH 100	5900	15.56	16.00	16.00	96.73
	CH 116	5980	15.29	15.50	16.00	
	CH 120	5960	15.59	16.00	16.00	
	CH 144	5720	15.35	15.50	16.00	
802.11n-HT40 MCS9	CH 102	5910	14.19	14.50	14.50	93.71
	CH 110	5950	14.46	15.00	14.50	
	CH 126	5930	14.71	15.00	14.50	
	CH 142	5710	14.46	15.00	14.50	
802.11ac-VHT20 MCS9	CH 106	5950	14.49	15.00	14.50	96.76
	CH 120	5960	14.71	15.00	14.50	
	CH 144	5720	14.40	15.00	14.50	
	CH 102	5910	12.21	12.50	12.50	
802.11ac-VHT40 MCS9	CH 110	5950	12.50	13.00	12.50	93.68
	CH 126	5930	12.74	13.00	12.50	
	CH 142	5710	12.49	13.00	12.50	
	CH 106	5930	11.92	12.50	12.00	
802.11ac-VHT80 MCS9	CH 122	5910	12.17	12.50	12.00	88.04
	CH 138	5960	11.91	12.50	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	15.74	16.50	16.00	96.94
	CH 157	5785	15.89	16.50	16.00	
	CH 166	5825	15.36	15.50	16.00	
802.11n-HT20 MCS9	CH 149	5745	15.12	15.50	16.00	96.73
	CH 157	5785	15.01	15.50	16.00	
	CH 166	5825	15.25	15.50	16.00	
802.11n-HT40 MCS9	CH 151	5765	14.38	15.00	14.50	93.71
	CH 159	5795	13.93	14.50	14.50	
	CH 149	5745	14.20	14.50	14.50	
802.11ac-VHT20 MCS9	CH 157	5785	14.17	14.50	14.50	96.76
	CH 166	5825	14.34	15.00	14.50	
	CH 151	5765	12.41	13.00	12.50	
802.11ac-VHT40 MCS9	CH 159	5795	11.99	12.50	12.50	93.68
	CH 155	5775	11.68	12.00	12.00	

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	24Mbps	36Mbps
BR / EDR	CH 00	2402	9.97	7.33	7.19
	CH 19	2441	9.97	6.38	6.23
	CH 73	2430	8.14	6.21	6.31
Tune-up Limit			10.5	7.5	7.5
Duty Cycle %			77.07	77.13	77.13
power level setting			default	default	default

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			OFDM	PSK
LE	CH 00	2402	-5.70	
	CH 19	2440	-4.84	
	CH 59	2480	-5.43	
Tune-up Limit			0	
Duty Cycle %			61.9	
power level setting			default	

Reduced 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	28.04	28.10	28.01	29.00	19.04	19.10	19.01	20.00	0.14
GPRS 1 Tx slot	27.99	28.03	27.96	29.00	18.99	19.03	18.96	20.00	
GPRS 2 Tx slots	27.19	27.27	27.18	28.00	21.19	21.27	21.18	22.00	0.09
GPRS 3 Tx slots	25.51	25.59	25.47	26.00	21.25	21.33	21.21	21.74	0.12
GPRS 4 Tx slots	23.07	23.11	23.08	24.00	20.07	20.11	20.08	21.00	0.04
EDGE 1 Tx slot	22.49	22.60	22.45	23.00	13.49	13.60	13.45	14.00	0.15
EDGE 2 Tx slots	21.23	21.35	21.25	22.00	15.23	15.35	15.25	16.00	0.12
EDGE 3 Tx slots	19.13	19.27	19.25	20.00	14.87	15.01	14.99	15.74	0.14
EDGE 4 Tx slots	17.14	17.17	17.02	18.00	14.14	14.17	14.02	15.00	0.15
Mode		Max.	28.10			Max.	21.33		
Attenuator	Cable Loss : 0.6								

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	18.08	18.13	18.07	19.00	9.08	9.13	9.07	10.00	0.20
GPRS 1 Tx slot	17.93	18.08	18.03	19.00	8.93	9.08	9.03	10.00	
GPRS 2 Tx slots	17.26	17.28	17.21	18.00	11.26	11.28	11.21	12.00	0.07
GPRS 3 Tx slots	15.54	15.57	15.50	17.00	11.28	11.31	11.24	12.74	0.07
GPRS 4 Tx slots	14.80	14.82	14.55	16.00	11.60	11.62	11.55	13.00	0.07
EDGE 1 Tx slot	13.67	13.70	13.66	15.00	4.67	4.70	4.66	6.00	0.04
EDGE 2 Tx slots	12.78	12.80	12.75	14.00	6.78	6.80	6.75	8.00	0.05
EDGE 3 Tx slots	10.84	10.96	10.86	13.00	6.58	6.70	6.60	8.74	0.12
EDGE 4 Tx slots	9.68	9.71	9.64	12.00	6.68	6.71	6.64	9.00	0.07
Mode		Max.	18.13			Max.	11.62		
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		4132	4182	4233		
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	RMC 12.2Kbps	14.80	14.82	14.75	15.50	13.77	13.82	13.79	14.50	18.11	18.17	18.13	19.00
3GPP Rel 5	HSDPA Subtest-1	14.10	14.04	14.13	14.50	13.15	13.17	13.12	13.50	16.99	16.93	17.04	17.50
3GPP Rel 5	HSDPA Subtest-2	14.11	14.06	14.09	14.50	13.15	13.16	13.09	13.50	16.90	16.90	16.98	17.50
3GPP Rel 5	HSDPA Subtest-3	13.59	13.51	13.62	14.00	12.67	12.65	12.65	13.00	16.44	16.48	16.52	17.00
3GPP Rel 5	HSDPA Subtest-4	13.58	13.49	13.56	14.00	12.62	12.66	12.64	13.00	16.40	16.45	16.52	17.00
3GPP Rel 6	HSUPA Subtest-1	14.13	13.57	13.49	14.50	12.63	12.67	12.64	13.00	16.46	16.44	16.50	16.50
3GPP Rel 6	HSUPA Subtest-2	14.10	14.08	13.97	14.50	13.17	13.15	13.10	13.50	16.91	16.89	17.04	17.50
3GPP Rel 6	HSUPA Subtest-3	13.12	13.05	12.99	13.50	12.16	12.18	12.13	12.50	15.94	15.97	16.01	16.50
3GPP Rel 6	HSUPA Subtest-4	14.11	14.04	13.96	14.50	13.12	13.16	13.11	13.50	16.88	16.92	16.97	17.50
3GPP Rel 6	HSUPA Subtest-5	13.08	13.06	12.97	13.50	12.10	12.17	12.13	12.50	15.93	15.94	16.00	16.50
Attenuator		Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6		

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			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	16.98	17.03	16.96	18		
10	QPSK	1	25	16.87	16.98	16.84			
10	QPSK	1	49	16.85	16.88	16.74			
10	QPSK	25	0	16.29	16.33	16.16			
10	QPSK	25	12	16.15	16.21	16.07	17		
10	QPSK	25	25	16.01	16.13	15.93			
10	QPSK	50	0	15.89	16.05	15.82			
10	16QAM	1	0	16.12	16.31	16.05	17		
10	16QAM	1	25	16.04	16.21	15.96			
10	16QAM	1	49	15.98	16.17	15.83			
10	16QAM	25	0	15.13	15.26	14.95			
10	16QAM	25	12	14.99	15.19	14.88	16		
10	16QAM	25	25	14.94	15.12	14.79			
10	16QAM	50	0	14.89	15.06	14.73			
Channel				20425	20525	20625		Tune-up limit (dBm)	
Frequency (MHz)				826.5	836.5	846.5	18		
5	QPSK	1	0	16.94	16.96	16.91			
5	QPSK	1	12	16.84	16.90	16.75			
5	QPSK	1	24	16.77	16.82	16.70			
5	QPSK	12	0	16.20	16.26	16.10	17		
5	QPSK	12	7	16.11	16.17	15.98			
5	QPSK	12	13	15.91	16.09	15.83			
5	QPSK	25	0	15.85	16.01	15.74	17		
5	16QAM	1	0	16.07	16.23	15.96			
5	16QAM	1	12	15.95	16.15	15.91			
5	16QAM	1	24	15.93	16.07	15.75			
5	16QAM	12	0	15.08	15.16	14.84	16		
5	16QAM	12	7	14.93	15.12	14.79			
5	16QAM	12	13	14.85	15.08	14.68			
5	16QAM	25	0	14.79	15.01	14.68			
Channel				20415	20525	20635	Tune-up limit (dBm)		
Frequency (MHz)				825.5	836.5	847.5	18		
3	QPSK	1	0	16.89	16.92	16.87			
3	QPSK	1	8	16.76	16.91	16.81			
3	QPSK	1	14	16.76	16.81	16.63			
3	QPSK	8	0	16.23	16.27	16.13	17		
3	QPSK	8	4	16.09	16.13	16.01			
3	QPSK	8	7	15.91	16.03	15.88			
3	QPSK	15	0	15.80	15.96	15.77	17		
3	16QAM	1	0	16.04	16.24	16.01			
3	16QAM	1	8	15.99	16.10	15.91			
3	16QAM	1	14	15.91	16.07	15.80			
3	16QAM	8	0	15.08	15.15	14.85	16		
3	16QAM	8	4	14.89	15.14	14.82			
3	16QAM	8	7	14.87	15.01	14.76			
3	16QAM	15	0	14.85	15.00	14.65			
Channel				20407	20525	20643	Tune-up limit (dBm)		
Frequency (MHz)				824.7	836.5	848.3	18		
1.4	QPSK	1	0	16.92	16.97	16.87			
1.4	QPSK	1	3	16.82	16.89	16.77			
1.4	QPSK	1	5	16.82	16.80	16.69			
1.4	QPSK	3	0	16.20	16.27	16.07	17		
1.4	QPSK	3	1	16.09	16.17	16.00			
1.4	QPSK	3	3	15.95	16.08	15.88			
1.4	QPSK	6	0	15.80	16.01	15.75	17		
1.4	16QAM	1	0	16.02	16.25	16.01			
1.4	16QAM	1	3	15.93	16.15	15.90			
1.4	16QAM	1	5	15.95	16.07	15.75			
1.4	16QAM	3	0	15.03	15.18	14.88	16		
1.4	16QAM	3	1	14.95	15.10	14.77			
1.4	16QAM	3	3	14.90	15.01	14.75			
1.4	16QAM	6	0	20.82	21.00	20.63			

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	18.95	18.98	18.96	20		
10	QPSK	1	25	18.81	18.87	18.83			
10	QPSK	1	49	18.72	18.79	18.80			
10	QPSK	25	0	18.19	18.26	18.15			
10	QPSK	25	12	18.11	18.23	18.04	19		
10	QPSK	25	25	17.99	18.13	18.01			
10	QPSK	50	0	17.95	18.10	17.94			
10	16QAM	1	0	18.18	18.31	18.20	19		
10	16QAM	1	25	18.15	18.25	18.13			
10	16QAM	1	49	18.05	18.16	18.06			
10	16QAM	25	0	17.23	17.24	17.13			
10	16QAM	25	12	17.11	17.16	17.08	18		
10	16QAM	25	25	16.98	17.10	16.93			
10	16QAM	50	0	16.95	17.01	16.82			
Channel				23035	23095	23155		Tune-up limit (dBm)	
Frequency (MHz)				701.5	707.5	713.5	20		
5	QPSK	1	0	18.87	18.91	18.89			
5	QPSK	1	12	18.71	18.82	18.74			
5	QPSK	1	24	18.64	18.71	18.76			
5	QPSK	12	0	18.12	18.23	18.04	19		
5	QPSK	12	7	18.03	18.16	17.97			
5	QPSK	12	13	17.90	18.04	17.90			
5	QPSK	25	0	17.86	18.04	17.88	19		
5	16QAM	1	0	18.15	18.23	18.14			
5	16QAM	1	12	18.06	18.17	18.06			
5	16QAM	1	24	17.97	18.06	18.01			
5	16QAM	12	0	17.19	17.15	17.06	18		
5	16QAM	12	7	17.05	17.10	16.97			
5	16QAM	12	13	16.87	16.99	16.89			
5	16QAM	25	0	16.88	16.93	16.72			
Channel				23025	23095	23165	Tune-up limit (dBm)		
Frequency (MHz)				700.5	707.5	714.5	20		
3	QPSK	1	0	18.89	18.88	18.86			
3	QPSK	1	8	18.77	18.81	18.74			
3	QPSK	1	14	18.64	18.72	18.70			
3	QPSK	8	0	18.14	18.19	18.06	19		
3	QPSK	8	4	18.04	18.19	17.93			
3	QPSK	8	7	17.93	18.05	17.95			
3	QPSK	15	0	17.91	18.02	17.88	19		
3	16QAM	1	0	18.08	18.22	18.09			
3	16QAM	1	8	18.07	18.17	18.04			
3	16QAM	1	14	17.97	18.06	17.98			
3	16QAM	8	0	17.19	17.16	17.10	18		
3	16QAM	8	4	17.07	17.10	16.98			
3	16QAM	8	7	16.91	17.06	16.84			
3	16QAM	15	0	16.85	16.97	16.75			
Channel				23017	23095	23173	Tune-up limit (dBm)		
Frequency (MHz)				699.7	707.5	715.3	20		
1.4	QPSK	1	0	18.87	18.94	18.92			
1.4	QPSK	1	3	18.77	18.81	18.75			
1.4	QPSK	1	5	18.66	18.76	18.73			
1.4	QPSK	3	0	18.10	18.21	18.11	19		
1.4	QPSK	3	1	18.07	18.16	17.95			
1.4	QPSK	3	3	17.96	18.08	17.95			
1.4	QPSK	6	0	17.85	18.00	17.83	19		
1.4	16QAM	1	0	18.07	18.22	18.13			
1.4	16QAM	1	3	18.05	18.18	18.05			
1.4	16QAM	1	5	17.99	18.13	17.99			
1.4	16QAM	3	0	17.18	17.17	17.05	18		
1.4	16QAM	3	1	17.06	17.09	17.03			
1.4	16QAM	3	3	16.90	17.06	16.85			
1.4	16QAM	6	0	16.85	16.97	16.73			

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	18.96	18.97	18.92	20	
10	QPSK	1	25	18.85	18.94	18.81		
10	QPSK	1	49	18.72	18.83	18.69		
10	QPSK	25	0	18.16	18.22	18.05		
10	QPSK	25	12	18.09	18.07	17.96		
10	QPSK	25	25	18.00	17.97	17.81	19	
10	QPSK	50	0	17.94	17.95	17.68		
10	16QAM	1	0	18.14	18.18	17.89		
10	16QAM	1	25	18.00	18.04	17.85		
10	16QAM	1	49	17.87	17.90	17.72	19	
10	16QAM	25	0	17.04	17.03	16.90		
10	16QAM	25	12	16.92	16.89	16.80		
10	16QAM	25	25	16.77	16.74	16.78		
10	16QAM	50	0	16.75	16.62	16.66		
Channel				23755	23790	23825		
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	18.91	18.93	18.82	20	
5	QPSK	1	12	18.75	18.85	18.74		
5	QPSK	1	24	18.61	18.74	18.60		
5	QPSK	12	0	18.11	18.12	18.01		
5	QPSK	12	7	18.04	18.01	17.66		
5	QPSK	12	13	17.96	17.87	17.74	19	
5	QPSK	25	0	17.85	17.83	17.61		
5	16QAM	1	0	18.08	18.08	17.80		
5	16QAM	1	12	17.92	17.97	17.81		
5	16QAM	1	24	17.78	17.86	17.65	19	
5	16QAM	12	0	17.01	16.93	16.82		
5	16QAM	12	7	16.82	16.83	16.72		
5	16QAM	12	13	16.67	16.70	16.71		
5	16QAM	25	0	16.65	16.55	16.59		

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)				1660	1682.5	1905		
20	QPSK	1	0	13.98	14.04	14.02	15	
20	QPSK	1	49	13.85	13.90	13.93		
20	QPSK	1	99	13.77	13.85	13.85		
20	QPSK	50	0	13.24	13.30	13.28		
20	QPSK	50	24	13.09	13.16	13.13		
20	QPSK	50	50	13.02	13.06	13.11	14	
20	QPSK	100	0	12.94	13.01	12.99		
20	16QAM	1	0	13.15	13.23	13.26		
20	16QAM	1	49	13.12	13.11	13.21		
20	16QAM	1	99	13.05	13.02	13.09	14	
20	16QAM	50	0	12.22	12.08	12.18		
20	16QAM	50	24	12.15	12.05	12.08		
20	16QAM	50	50	12.04	11.97	11.95		
20	16QAM	100	0	11.96	11.93	11.92		
Channel				26115	26365	26615		
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	0	13.94	14.01	13.97	15	
15	QPSK	1	37	13.79	13.85	13.84		
15	QPSK	1	74	13.69	13.82	13.82		
15	QPSK	36	0	13.20	13.22	13.20		
15	QPSK	36	20	13.01	13.06	13.05		
15	QPSK	36	39	12.95	12.99	13.01	14	
15	QPSK	75	0	12.91	12.93	12.96		
15	16QAM	1	0	13.10	13.19	13.17		
15	16QAM	1	37	13.02	13.04	13.15		
15	16QAM	1	74	13.02	12.91	13.05	14	
15	16QAM	36	0	12.18	12.00	12.12		
15	16QAM	36	20	12.05	11.98	12.02		
15	16QAM	36	39	11.95	11.87	11.91		
15	16QAM	75	0	11.92	11.83	11.83		
Channel				26090	26365	26640		
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	0	13.88	14.01	13.92	15	
10	QPSK	1	25	13.78	13.83	13.82		
10	QPSK	1	49	13.72	13.77	13.77		
10	QPSK	25	0	13.14	13.26	13.19		
10	QPSK	25	12	13.02	13.12	13.05		
10	QPSK	25	25	12.96	12.99	13.05	14	
10	QPSK	50	0	12.88	12.89	12.88		
10	16QAM	1	0	13.08	13.19	13.19		
10	16QAM	1	25	13.02	13.01	13.14		
10	16QAM	1	49	12.96	12.92	13.00	14	
10	16QAM	25	0	12.12	12.05	12.11		
10	16QAM	25	12	12.07	11.95	12.03		
10	16QAM	25	25	11.98	11.87	11.89		
10	16QAM	50	0	11.92	11.89	11.84		
Channel				26065	26365	26665		
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	0	13.92	14.00	13.97	15	
5	QPSK	1	12	13.79	13.86	13.89		
5	QPSK	1	24	13.73	13.80	13.81		
5	QPSK	12	0	13.15	13.26	13.19		
5	QPSK	12	7	13.02	13.08	13.10		
5	QPSK	12	13	12.92	13.02	13.04	14	
5	QPSK	25	0	12.86	12.90	12.92		
5	16QAM	1	0	13.10	13.15	13.19		
5	16QAM	1	12	13.01	13.00	13.18		
5	16QAM	1	24	12.99	12.93	13.03	14	
5	16QAM	12	0	12.11	11.98	12.09		
5	16QAM	12	7	12.07	12.01	11.99		
5	16QAM	12	13	11.97	11.90	11.92		
5	16QAM	25	0	11.88	11.83	11.81		
Channel				26055	26365	26675		
Frequency (MHz)				1851.5	1882.5	1913.5		
3	QPSK	1	0	22.43	22.44	22.44	15	
3	QPSK	1	8	22.31	22.31	22.34		
3	QPSK	1	14	22.22	22.30	22.26		
3	QPSK	8	0	21.70	21.70	21.74		
3	QPSK	8	4	21.53	21.61	21.52		
3	QPSK	8	7	21.45	21.51	21.53	14	
3	QPSK	15	0	21.38	21.39	21.42		
3	16QAM	1	0	21.56	21.63	21.65		
3	16QAM	1	8	21.56	21.53	21.64		
3	16QAM	1	14	21.49	21.47	21.49	14	
3	16QAM	8	0	20.61	20.48	20.58		
3	16QAM	8	4	20.60	20.49	20.52		
3	16QAM	8	7	20.47	20.39	20.34		
3	16QAM	15	0	20.35	20.32	20.33		
Channel				26047	26365	26683		
Frequency (MHz)				1850.7	1882.5	1914.3		
1.4	QPSK	1	0	13.94	13.94	13.97	15	
1.4	QPSK	1	3	13.78	13.86	13.86		
1.4	QPSK	1	5	13.70	13.80	13.74		
1.4	QPSK	3	0	13.19	13.22	13.22		
1.4	QPSK	3	1	12.98	13.09	13.05		
1.4	QPSK	3	3	12.99	12.96	13.03	14	
1.4	QPSK	6	0	12.88	12.90	12.88		
1.4	16QAM	1	0	13.05	13.19	13.19		
1.4	16QAM	1	3	13.05	13.00	13.12		
1.4	16QAM	1	5	12.94	12.98	13.06	13	
1.4	16QAM	3	0	12.17	12.03	12.13		
1.4	16QAM	3	1	12.09	11.95	11.98		
1.4	16QAM	3	3	11.99	11.88	11.91		
1.4	16QAM	6	0	11.91	11.88	11.83		

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	19.13	19.17	19.10	20
20	QPSK	1	49	19.05	19.07	19.06	
20	QPSK	1	99	18.92	18.98	19.04	
20	QPSK	50	0	18.32	18.46	18.42	19
20	QPSK	50	24	18.29	18.42	18.35	
20	QPSK	50	50	18.21	18.37	18.24	
20	QPSK	100	0	18.10	18.33	18.13	19
20	16QAM	1	0	18.37	18.53	18.34	
20	16QAM	1	49	18.25	18.47	18.19	
20	16QAM	1	99	18.18	18.32	18.14	18
20	16QAM	50	0	17.25	17.38	17.28	
20	16QAM	50	24	17.19	17.33	17.14	
20	16QAM	50	50	17.13	17.25	17.05	18
20	16QAM	100	0	17.05	17.19	16.93	
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	19.03	19.08	19.01	20
15	QPSK	1	37	18.97	18.99	19.03	
15	QPSK	1	74	18.89	18.91	18.97	
15	QPSK	36	0	18.23	18.40	18.34	19
15	QPSK	36	20	18.21	18.33	18.24	
15	QPSK	36	39	18.11	18.34	18.18	
15	QPSK	75	0	18.05	18.27	18.09	19
15	16QAM	1	0	18.33	18.49	18.25	
15	16QAM	1	37	18.18	18.43	18.15	
15	16QAM	1	74	18.09	18.25	18.07	18
15	16QAM	36	0	17.19	17.33	17.18	
15	16QAM	36	20	17.14	17.29	17.10	
15	16QAM	36	39	17.03	17.18	16.98	18
15	16QAM	75	0	16.96	17.11	16.84	
Channel				133172	133272	133422	
Frequency (MHz)				688	678	693	
10	QPSK	1	0	19.06	19.10	19.01	20
10	QPSK	1	25	19.02	19.00	18.99	
10	QPSK	1	49	18.83	18.93	19.00	
10	QPSK	25	0	18.21	18.37	18.38	19
10	QPSK	25	12	18.19	18.36	18.24	
10	QPSK	25	25	18.10	18.29	18.17	
10	QPSK	50	0	18.01	18.24	18.06	19
10	16QAM	1	0	18.27	18.45	18.27	
10	16QAM	1	25	18.21	18.42	18.15	
10	16QAM	1	49	18.09	18.26	18.07	18
10	16QAM	25	0	17.15	17.32	17.23	
10	16QAM	25	12	17.08	17.26	17.07	
10	16QAM	25	25	17.07	17.18	17.01	18
10	16QAM	50	0	16.94	17.15	16.85	
Channel				133147	133247	133447	
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	19.08	19.14	19.05	20
5	QPSK	1	12	18.96	18.98	19.01	
5	QPSK	1	24	18.84	18.92	18.96	
5	QPSK	12	0	18.24	18.42	18.35	19
5	QPSK	12	7	18.21	18.32	18.28	
5	QPSK	12	13	18.11	18.30	18.19	
5	QPSK	25	0	18.05	18.29	18.05	19
5	16QAM	1	0	18.31	18.49	18.26	
5	16QAM	1	12	18.17	18.40	18.12	
5	16QAM	1	24	18.11	18.28	18.05	18
5	16QAM	12	0	17.18	17.29	17.21	
5	16QAM	12	7	17.14	17.22	17.06	
5	16QAM	12	13	17.08	17.16	16.94	18
5	16QAM	25	0	16.96	17.14	16.83	

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Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	13.76	14.00	14.00	96.94
	CH 44	5220	13.64	14.00	14.00	
	CH 48	5240	13.46	14.00	14.00	
802.11n-HT20 MCS0	CH 36	5180	13.64	14.00	14.00	96.73
	CH 44	5220	13.61	14.00	14.00	
	CH 48	5240	13.50	14.00	14.00	
802.11n-HT40 MCS0	CH 38	5190	12.18	12.50	12.50	93.71
	CH 46	5230	12.14	12.50	12.50	
802.11ac-VHT20 MCS0	CH 36	5180	12.15	12.50	12.50	96.76
	CH 44	5220	12.33	12.50	12.50	
	CH 48	5240	11.94	12.50	12.50	
802.11ac-VHT40 MCS0	CH 38	5190	10.22	10.50	10.50	93.68
	CH 46	5230	10.07	10.50	10.50	
802.11ac-VHT80 MCS0	CH 42	5210	9.72	10.00	10.00	88.04

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	13.57	14.00	14.00	96.94
	CH 60	5300	13.47	14.00	14.00	
	CH 64	5320	13.14	13.50	14.00	
802.11n-HT20 MCS0	CH 52	5260	13.51	14.00	14.00	96.73
	CH 60	5300	13.50	14.00	14.00	
	CH 64	5320	12.38	13.00	14.00	
802.11n-HT40 MCS0	CH 54	5270	11.82	12.50	12.50	93.71
	CH 62	5310	11.63	12.50	12.50	
802.11ac-VHT20 MCS0	CH 52	5260	12.16	12.50	12.50	96.76
	CH 60	5300	11.95	12.50	12.50	
	CH 64	5320	11.65	12.50	12.50	
802.11ac-VHT40 MCS0	CH 54	5270	9.84	10.50	10.50	93.68
	CH 62	5310	9.78	10.50	10.50	
	CH 58	5290	9.42	10.00	10.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	13.64	14.00	14.00	96.94
	CH 116	5580	13.26	13.50	14.00	
	CH 120	5600	13.54	14.00	14.00	
	CH 144	5720	13.57	14.00	14.00	
802.11n-HT20 MCS0	CH 100	5500	13.56	14.00	14.00	96.73
	CH 116	5580	13.29	13.50	14.00	
	CH 120	5600	13.59	14.00	14.00	
802.11n-HT40 MCS0	CH 102	5510	12.19	12.50	12.50	93.71
	CH 110	5550	12.46	13.00	12.50	
	CH 126	5630	12.71	13.00	12.50	
	CH 142	5710	12.46	13.00	12.50	
802.11ac-VHT20 MCS0	CH 100	5500	12.48	13.00	12.50	96.76
	CH 116	5580	12.40	13.00	12.50	
	CH 120	5600	12.71	13.00	12.50	
802.11ac-VHT40 MCS0	CH 144	5720	12.40	13.00	12.50	93.68
	CH 102	5510	10.21	10.50	10.50	
	CH 110	5550	10.50	11.00	10.50	
	CH 126	5630	10.74	11.00	10.50	
802.11ac-VHT80 MCS0	CH 142	5710	10.49	11.00	10.50	88.04
	CH 106	5530	9.92	10.50	10.00	
	CH 122	5610	10.17	10.50	10.00	
	CH 138	5690	9.91	10.50	10.00	

5GHz WLAN ANT 1

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 149	5745	14.74	15.50	15.00	96.94
	CH 157	5785	14.83	15.50	15.00	
	CH 165	5825	14.28	14.50	15.00	
802.11n-HT20 MCS0	CH 149	5745	14.12	14.50	15.00	96.73
	CH 157	5785	14.01	14.50	15.00	
	CH 165	5825	14.25	14.50	15.00	
802.11n-HT40 MCS0	CH 151	5755	13.38	14.00	13.50	93.71
	CH 159	5795	12.93	13.50	13.50	
802.11ac-VHT20 MCS0	CH 149	5745	13.20	13.50	13.50	96.76
	CH 157	5785	13.17	13.50	13.50	
	CH 165	5825	13.34	14.00	13.50	
802.11ac-VHT40 MCS0	CH 151	5755	11.41	12.00	11.50	93.68
	CH 159	5795	10.99	11.50	11.50	
802.11ac-VHT80 MCS0	CH 155	5775	10.68	11.00	11.00	88.04