



REPORT No.: SZ24100315S01

## 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	32.59	32.65	32.60	33.50	23.59	23.65	23.60	24.50	0.10
GPRS 1 Tx slot	32.62	32.68	32.58	33.50	23.62	23.68	23.58	24.50	
GPRS 2 Tx slots	30.59	30.67	30.62	31.50	24.59	24.67	24.62	25.50	0.08
GPRS 3 Tx slots	28.60	28.67	28.65	29.50	24.34	24.41	24.39	25.24	0.07
GPRS 4 Tx slots	26.65	26.68	26.63	27.50	23.65	23.68	23.63	24.50	0.05
EDGE 1 Tx slot	25.39	25.45	25.41	26.50	16.39	16.45	16.41	17.50	0.06
EDGE 2 Tx slots	24.22	24.32	24.25	25.50	16.22	16.32	16.25	19.50	0.10
EDGE 3 Tx slots	21.58	21.66	21.53	22.50	17.32	17.40	17.27	18.24	0.13
EDGE 4 Tx slots	19.67	19.72	19.80	20.50	16.67	16.72	16.80	17.50	0.13
Mode		Max.	32.68			Max.	24.67		
Attenuator	Cable Loss : 0.6								
Date	11/16								

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	29.55	29.50	29.48	30.00	20.55	20.50	20.48	21.00	0.07
GPRS 1 Tx slot	29.51	29.51	29.50	30.00	20.51	20.51	20.50	21.00	
GPRS 2 Tx slots	27.20	27.25	27.21	28.00	21.20	21.25	21.21	22.00	0.05
GPRS 3 Tx slots	25.75	25.81	25.80	26.50	21.49	21.55	21.54	22.24	0.06
GPRS 4 Tx slots	23.80	23.84	23.81	24.50	20.80	20.84	20.81	21.50	0.04
EDGE 1 Tx slot	25.80	25.67	25.54	26.50	16.60	16.67	16.54	17.50	0.13
EDGE 2 Tx slots	24.15	24.25	24.20	25.00	16.15	16.25	16.20	19.00	0.10
EDGE 3 Tx slots	22.27	22.31	22.22	23.00	18.01	18.05	17.96	18.74	0.09
EDGE 4 Tx slots	19.80	19.87	19.82	20.50	16.80	16.87	16.82	17.50	0.07
Mode		Max.	29.55			Max.	21.55		
Attenuator	Cable Loss : 0.8								
Date	11/16								

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	22.71	22.76	22.70	23.50	22.62	22.70	22.62	23.50	23.07	23.15	23.11	24.00
3GPP Rel 5	HSDPA Subtest-1	21.54	21.30	21.50	22.50	21.92	21.59	21.87	22.50	21.49	21.89	21.39	22.50
3GPP Rel 5	HSDPA Subtest-2	21.32	21.01	21.20	22.00	22.03	21.74	21.94	23.00	21.26	21.53	21.05	22.50
3GPP Rel 5	HSDPA Subtest-3	20.70	20.25	20.43	21.50	22.05	21.77	21.99	23.00	21.02	21.07	20.75	22.00
3GPP Rel 5	HSDPA Subtest-4	21.23	20.93	21.11	22.00	22.08	21.82	22.02	23.00	20.91	20.96	20.65	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	21.38	21.04	21.23	22.00	21.78	21.43	21.43	22.50	22.16	22.37	22.11	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.37	19.90	20.14	21.00	20.61	20.49	20.48	21.50	20.89	20.95	20.58	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.10	19.79	20.07	21.00	20.53	20.39	20.37	21.50	20.66	20.72	20.35	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	20.06	19.77	20.05	21.00	20.51	20.37	20.35	21.50	20.63	20.68	20.33	21.50
3GPP Rel 6	HSUPA Subtest-1	21.66	21.35	21.45	22.50	21.97	21.64	21.89	23.00	22.39	22.58	22.09	23.50
3GPP Rel 6	HSUPA Subtest-2	21.55	21.29	21.47	22.50	21.88	21.55	21.82	23.00	22.35	22.55	22.34	23.50
3GPP Rel 6	HSUPA Subtest-3	21.66	21.39	21.57	22.50	21.98	21.68	21.92	23.00	22.42	22.58	22.10	23.50
3GPP Rel 6	HSUPA Subtest-4	21.53	21.22	21.44	22.50	21.86	21.51	21.78	23.00	22.30	22.52	22.19	23.50
3GPP Rel 6	HSUPA Subtest-5	21.63	21.35	21.53	22.50	21.96	21.66	21.90	23.00	22.39	22.60	22.10	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.72	21.43	21.63	22.50	22.11	21.85	22.03	23.00	22.53	22.69	22.26	23.50
Attenuator		Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6		
Mode		Max.	22.76			Max.	22.70			Max.	23.15		
Date	11/14												



3	QPSK	8	0	21.63	21.82	21.74	23
3	QPSK	8	4	21.71	21.79	21.63	
3	QPSK	8	7	21.62	21.76	21.54	
3	QPSK	15	0	21.69	21.73	21.61	23
3	16QAM	1	0	22.11	22.20	22.04	
3	16QAM	1	8	22.05	22.11	22.10	
3	16QAM	1	14	21.94	21.96	21.88	22
3	16QAM	8	0	20.96	21.04	20.99	
3	16QAM	8	4	20.93	21.02	20.97	
3	16QAM	8	7	20.80	20.87	20.79	22
3	16QAM	15	0	20.84	21.03	20.88	
3	64QAM	1	0	21.33	21.45	21.34	
3	64QAM	1	8	21.18	21.37	21.26	22
3	64QAM	1	14	21.28	21.29	21.14	
3	64QAM	8	0	20.29	20.38	20.26	
3	64QAM	8	4	20.26	20.36	20.19	21
3	64QAM	8	7	20.04	20.24	20.20	
3	64QAM	15	0	20.12	20.31	20.14	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.86	22.92	22.89	24
1.4	QPSK	1	3	22.53	22.71	22.60	
1.4	QPSK	1	5	22.46	22.49	22.52	
1.4	QPSK	3	0	21.60	21.79	21.71	
1.4	QPSK	3	1	21.68	21.76	21.60	
1.4	QPSK	3	3	21.59	21.73	21.51	
1.4	QPSK	6	0	21.66	21.70	21.58	23
1.4	16QAM	1	0	22.08	22.17	22.01	
1.4	16QAM	1	3	22.02	22.08	22.07	
1.4	16QAM	1	5	21.91	21.93	21.85	23
1.4	16QAM	3	0	20.93	21.01	20.96	
1.4	16QAM	3	1	20.90	20.99	20.94	
1.4	16QAM	3	3	20.77	20.84	20.76	22
1.4	16QAM	6	0	20.81	21.00	20.85	
1.4	64QAM	1	0	21.30	21.42	21.31	
1.4	64QAM	1	3	21.15	21.34	21.23	22
1.4	64QAM	1	5	21.25	21.26	21.11	
1.4	64QAM	3	0	20.26	20.35	20.23	
1.4	64QAM	3	1	20.23	20.33	20.16	
1.4	64QAM	3	3	20.01	20.21	20.17	
1.4	64QAM	6	0	20.09	20.28	20.11	
1.4	64QAM	6	0	20.09	20.28	20.11	21

3	QPSK	8	0	21.25	21.27	21.24	22.5
3	QPSK	8	4	21.24	21.25	21.15	
3	QPSK	8	7	21.15	21.20	21.10	
3	QPSK	15	0	21.17	21.22	21.19	22.5
3	16QAM	1	0	21.74	21.80	21.78	
3	16QAM	1	8	21.69	21.76	21.71	
3	16QAM	1	14	21.70	21.73	21.71	21.5
3	16QAM	8	0	20.47	20.56	20.51	
3	16QAM	8	4	20.51	20.60	20.50	
3	16QAM	8	7	20.54	20.62	20.54	21.5
3	16QAM	15	0	20.56	20.59	20.62	
3	64QAM	1	0	20.92	20.94	20.88	
3	64QAM	1	8	20.86	20.88	20.82	21.5
3	64QAM	1	14	20.91	20.92	20.88	
3	64QAM	8	0	19.60	19.68	19.66	
3	64QAM	8	4	19.56	19.66	19.62	20.5
3	64QAM	8	7	19.68	19.72	19.62	
3	64QAM	15	0	19.70	19.78	19.71	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.29	22.33	22.31	23.5
1.4	QPSK	1	3	22.12	22.20	22.13	
1.4	QPSK	1	5	22.17	22.24	22.15	
1.4	QPSK	3	0	21.20	21.22	21.19	
1.4	QPSK	3	1	21.19	21.20	21.10	
1.4	QPSK	3	3	21.10	21.15	21.05	
1.4	QPSK	6	0	21.12	21.17	21.14	22.5
1.4	16QAM	1	0	21.69	21.75	21.73	
1.4	16QAM	1	3	21.64	21.71	21.66	
1.4	16QAM	1	5	21.65	21.68	21.66	22.5
1.4	16QAM	3	0	20.42	20.51	20.46	
1.4	16QAM	3	1	20.46	20.55	20.45	
1.4	16QAM	3	3	20.49	20.57	20.49	21.5
1.4	16QAM	6	0	20.51	20.54	20.57	
1.4	64QAM	1	0	20.87	20.89	20.83	
1.4	64QAM	1	3	20.81	20.83	20.77	21.5
1.4	64QAM	1	5	20.86	20.87	20.83	
1.4	64QAM	3	0	19.55	19.63	19.61	
1.4	64QAM	3	1	19.51	19.61	19.57	
1.4	64QAM	3	3	19.63	19.67	19.57	
1.4	64QAM	6	0	19.65	19.73	19.66	
1.4	64QAM	6	0	19.65	19.73	19.66	20.5







3	QPSK	8	0	22.11	22.14	22.05	23.5
3	QPSK	8	4	22.07	22.11	21.97	
3	QPSK	8	7	22.12	22.13	22.07	
3	QPSK	15	0	22.09	22.03	22.00	23.5
3	16QAM	1	0	22.11	21.95	22.09	
3	16QAM	1	8	21.95	21.98	21.96	
3	16QAM	1	14	21.82	21.92	21.87	22.5
3	16QAM	8	0	21.08	21.09	21.02	
3	16QAM	8	4	20.81	21.02	21.01	
3	16QAM	8	7	21.07	21.10	21.08	22.5
3	16QAM	15	0	21.13	21.12	21.06	
3	64QAM	1	0	20.98	21.10	21.11	
3	64QAM	1	8	21.14	21.10	21.07	21.5
3	64QAM	1	14	20.97	20.95	20.83	
3	64QAM	8	0	20.22	20.12	20.16	
3	64QAM	8	4	20.13	20.15	20.04	21.5
3	64QAM	8	7	20.17	20.19	20.15	
3	64QAM	15	0	20.13	20.23	20.08	
Channel				131979	132322	132685	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.00	23.01	22.96	24.5
1.4	QPSK	1	3	22.98	22.92	22.99	
1.4	QPSK	1	5	22.97	22.99	22.66	
1.4	QPSK	3	0	22.09	22.12	22.03	
1.4	QPSK	3	1	22.05	22.09	21.95	
1.4	QPSK	3	3	22.10	22.11	22.05	
1.4	QPSK	6	0	22.07	22.01	21.98	23.5
1.4	16QAM	1	0	22.09	21.93	22.07	
1.4	16QAM	1	3	21.93	21.96	21.94	
1.4	16QAM	1	5	21.80	21.90	21.85	23.5
1.4	16QAM	3	0	21.06	21.07	21.00	
1.4	16QAM	3	1	20.79	21.00	20.99	
1.4	16QAM	3	3	21.05	21.08	21.06	22.5
1.4	16QAM	6	0	21.11	21.10	21.04	
1.4	64QAM	1	0	20.96	21.08	21.09	
1.4	64QAM	1	3	21.12	21.08	21.05	22.5
1.4	64QAM	1	5	20.95	20.93	20.81	
1.4	64QAM	3	0	20.20	20.10	20.14	
1.4	64QAM	3	1	20.11	20.13	20.02	
1.4	64QAM	3	3	20.15	20.17	20.13	
1.4	64QAM	6	0	20.11	20.21	20.06	
21.5							21.5





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			
Frequency (MHz)				2355			
10	QPSK	1	0	22.47			23.5
10	QPSK	1	25	22.43			
10	QPSK	1	49	22.34			
10	QPSK	25	0	21.58			22.5
10	QPSK	25	12	21.44			
10	QPSK	25	25	21.49			
10	QPSK	50	0	21.41			22.5
10	16QAM	1	0	21.50			
10	16QAM	1	25	21.49			
10	16QAM	1	49	21.40			21.5
10	16QAM	25	0	20.46			
10	16QAM	25	12	20.57			
10	16QAM	25	25	20.43			21.5
10	16QAM	50	0	20.50			
10	64QAM	1	0	20.52			
10	64QAM	1	25	20.48			21.5
10	64QAM	1	49	20.41			
10	64QAM	25	0	19.60			
10	64QAM	25	12	19.56			20.5
10	64QAM	25	25	19.47			
10	64QAM	50	0	19.52			
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	22.37	22.40	22.35	23.5
5	QPSK	1	12	22.21	22.38	22.24	
5	QPSK	1	24	22.29	22.27	22.11	
5	QPSK	12	0	21.48	21.58	21.55	22.5
5	QPSK	12	7	21.32	21.58	21.35	
5	QPSK	12	13	21.38	21.36	21.30	
5	QPSK	25	0	21.32	21.46	21.33	22.5
5	16QAM	1	0	21.48	21.45	21.43	
5	16QAM	1	12	21.33	21.46	21.44	
5	16QAM	1	24	21.29	21.30	21.33	21.5
5	16QAM	12	0	20.44	20.49	20.48	
5	16QAM	12	7	20.48	20.35	20.35	
5	16QAM	12	13	20.42	20.33	20.50	21.5
5	16QAM	25	0	20.37	20.50	20.31	
5	64QAM	1	0	20.46	20.60	20.38	
5	64QAM	1	12	20.39	20.53	20.39	21.5
5	64QAM	1	24	20.38	20.43	20.36	
5	64QAM	12	0	19.37	19.41	19.49	
5	64QAM	12	7	19.33	19.51	19.45	20.5
5	64QAM	12	13	19.40	19.30	19.30	
5	64QAM	25	0	19.23	19.36	19.35	

**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	17.89	18.50	default	97.85
	CH 6	2437	16.86	17.50	default	97.97
	CH 11	2462	16.53	17.50	default	97.97
802.11g 6Mbps	CH 1	2412	16.42	17.50	default	89.12
	CH 6	2437	16.00	17.00	default	89.12
	CH 11	2462	15.77	16.50	default	83.25
802.11n-HT20 MCS0	CH 1	2412	14.71	15.50	default	87.87
	CH 6	2437	14.28	15.00	default	86.71
	CH 11	2462	13.99	15.00	default	82.93
802.11n-HT40 MCS0	CH 3	2422	14.19	15.00	default	76.50
	CH 6	2437	13.90	15.00	default	77.57
	CH 9	2452	12.81	13.50	default	78.34

**5GHz WLAN ANT 1**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	17.88	18.50	default	89.10
	CH 44	5220	17.59	18.50	default	88.61
	CH 48	5240	17.25	18.00	default	84.34
802.11n-HT20 MCS0	CH 36	5180	16.58	17.50	default	88.06
	CH 44	5220	16.32	17.50	default	87.41
	CH 48	5240	16.02	17.00	default	87.31
802.11n-HT40 MCS0	CH 38	5190	16.81	17.50	default	77.83
	CH 46	5230	16.42	17.50	default	69.88
	CH 36	5180	16.38	17.50	default	86.76
802.11ac-VHT20 MCS0	CH 44	5220	16.13	17.00	default	83.22
	CH 48	5240	15.85	16.50	default	85.00
	CH 38	5190	16.56	17.50	default	74.68
802.11ac-VHT40 MCS0	CH 46	5230	16.22	17.00	default	77.83
	CH 42	5210	16.53	17.50	default	65.22

**5GHz WLAN ANT 1**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	16.27	19.00	default	88.54
	CH 60	5300	17.58	18.50	default	89.10
	CH 64	5320	17.24	18.00	default	88.54
802.11n-HT20 MCS0	CH 52	5260	16.98	18.00	default	88.06
	CH 60	5300	16.30	17.00	default	84.17
	CH 64	5320	15.96	17.00	default	85.51
802.11n-HT40 MCS0	CH 54	5270	16.95	18.00	default	77.63
	CH 62	5310	16.49	17.50	default	73.42
	CH 52	5260	16.77	17.50	default	87.50
802.11ac-VHT20 MCS0	CH 60	5300	16.08	17.00	default	87.41
	CH 64	5320	15.74	16.50	default	87.41
	CH 54	5270	16.73	17.50	default	77.63
802.11ac-VHT40 MCS0	CH 62	5310	16.23	17.00	default	78.67
	CH 58	5290	16.56	17.50	default	63.04

**5GHz WLAN ANT 1**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	18.53	19.50	default	89.10
	CH 118	5580	18.43	19.50	default	88.54
	CH 140	5700	17.21	18.00	default	89.17
802.11n-HT20 MCS0	CH 100	5500	17.33	18.00	default	86.67
	CH 118	5580	17.25	18.00	default	87.41
	CH 140	5700	15.98	17.00	default	85.40
802.11n-HT40 MCS0	CH 102	5510	17.55	18.50	default	78.67
	CH 112	5590	17.74	18.50	default	73.42
	CH 136	5670	16.44	17.50	default	69.05
802.11ac-VHT20 MCS0	CH 100	5500	17.07	18.00	default	86.86
	CH 118	5580	16.96	18.00	default	87.50
	CH 140	5700	15.77	16.50	default	88.15
802.11ac-VHT40 MCS0	CH 102	5510	17.51	18.50	default	76.62
	CH 112	5590	17.68	18.50	default	75.95
	CH 136	5670	16.36	17.00	default	78.67
802.11ac-VHT80 MCS0	CH 106	5530	17.27	18.00	default	64.44
	CH 122	5610	17.13	18.00	default	59.18

**5GHz WLAN ANT 1**

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 149	5745	16.93	18.00	default	89.17
	CH 157	5785	16.93	18.00	default	87.42
	CH 165	5825	17.84	18.50	default	84.76
802.11n-HT20 MCS0	CH 149	5745	15.74	16.50	default	87.31
	CH 157	5785	15.63	16.50	default	87.31
	CH 165	5825	16.55	17.50	default	86.67
802.11n-HT40 MCS0	CH 151	5755	15.93	17.00	default	93.65
	CH 159	5795	16.31	17.00	default	77.33
	CH 149	5745	15.55	16.50	default	88.06
802.11ac-VHT20 MCS0	CH 157	5785	15.46	16.50	default	87.41
	CH 165	5825	16.32	17.00	default	87.50
	CH 151	5755	16.08	17.00	default	73.75
802.11ac-VHT40 MCS0	CH 159	5795	16.17	17.00	default	77.63
	CH 155	5775	15.82	16.50	default	61.70

Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps	Tune-up Limit	Duty Cycle %	2Mbps	Tune-up Limit	Duty Cycle %	3Mbps	Tune-up Limit	Duty Cycle %
BR / EDR	CH 00	2402	8.91	9.50	77.65	6.93	8.00	78.05	7.20	8.00	78.04
	CH 39	2441	7.14	8.00	77.60	6.32	7.00	78.08	6.37	7.00	77.33
	CH 75	2480	8.20	9.00	77.60	6.65	7.50	78.03	6.72	7.50	77.33

Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up Limit	Duty Cycle %	2Mbps	Tune-up Limit	Duty Cycle %
LE	CH 00	2402	-2.50	0.00	31.88	-2.45	0.00	30.77
	CH 39	2441	-3.01	0.00	31.84	-3.25	0.00	32.72
	CH 75	2480	-2.12	0.00	31.88	-2.06	0.00	34.62

**Reduced Power Level 1**

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8	28.00	18.55	18.50	18.48	19.00
GSM 1 Tx slot	27.55	27.50	27.48	28.00	18.55	18.50	18.48	19.00
GPRS 1 Tx slot	27.51	27.51	27.50	28.00	18.51	18.51	18.50	19.00
GPRS 2 Tx slots	25.20	25.25	25.21	26.00	19.20	19.25	19.21	20.00
GPRS 3 Tx slots	23.75	23.81	23.80	24.50	19.49	19.55	19.54	20.24
GPRS 4 Tx slots	21.80	21.84	21.81	22.50	18.80	18.84	18.81	19.50
EDGE 1 Tx slot	23.60	23.67	23.54	24.50	14.60	14.67	14.54	15.50
EDGE 2 Tx slots	22.15	22.25	22.20	23.00	16.15	16.25	16.20	17.00
EDGE 3 Tx slots	20.27	20.31	20.22	21.00	16.01	16.05	15.96	16.74
EDGE 4 Tx slots	17.80	17.87	17.82	18.50	14.80	14.87	14.82	15.50
Mode		Max.	27.55			Max.	19.55	
Attenuator	Cable Loss : 0.8							

Band TX Channel	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
	9662	9800	9938		1537	1638	1738	
Rx Channel	9662	9800	9938	21.00	20.62	20.70	20.62	21.50
Frequency (MHz)	1852.4	1880	1907.6	21.00	20.62	20.70	20.62	21.50
3GPP Rel 99 RMC 12.2Kbps	20.21	20.26	20.20	21.00	20.62	20.70	20.62	21.50
3GPP Rel 5 HSDPA Subtest-1	19.04	18.80	19.00	19.50	19.92	19.59	19.87	20.00
3GPP Rel 5 HSDPA Subtest-2	18.82	18.51	18.70	19.50	20.03	19.74	19.94	20.50
3GPP Rel 5 HSDPA Subtest-3	18.20	17.75	17.93	19.00	20.05	19.77	19.99	20.50
3GPP Rel 5 HSDPA Subtest-4	18.73	18.43	18.61	19.00	20.08	19.82	20.02	20.50
3GPP Rel 8 DC-HSDPA Subtest-1	18.88	18.54	18.73	19.50	19.78	19.43	19.43	20.00
3GPP Rel 8 DC-HSDPA Subtest-2	17.87	17.40	17.64	19.00	18.61	18.49	18.48	20.00
3GPP Rel 8 DC-HSDPA Subtest-3	17.60	17.29	17.57	19.00	18.53	18.39	18.37	19.50
3GPP Rel 8 DC-HSDPA Subtest-4	17.56	17.27	17.55	19.00	18.51	18.37	18.35	19.50
3GPP Rel 6 HSUPA Subtest-1	19.16	18.85	18.95	19.50	19.97	19.64	19.89	20.50
3GPP Rel 6 HSUPA Subtest-2	19.05	18.79	18.97	19.50	19.88	19.55	19.82	20.50
3GPP Rel 6 HSUPA Subtest-3	19.16	18.89	19.07	19.50	19.98	19.68	19.92	20.50
3GPP Rel 6 HSUPA Subtest-4	19.03	18.72	18.94	19.50	19.86	19.51	19.78	20.50
3GPP Rel 6 HSUPA Subtest-5	19.13	18.85	19.03	19.50	19.96	19.66	19.90	20.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	19.22	18.93	19.13	19.50	20.11	19.85	20.03	20.50
Mode		Max.	20.26			Max.	20.70	
Attenuator	Cable Loss : 0.8							



3	QPSK	15	0	15.69	15.73	15.61	17
3	16QAM	1	0	16.11	16.20	16.04	
3	16QAM	1	8	16.05	16.11	16.10	
3	16QAM	1	14	15.94	15.96	15.88	16
3	16QAM	8	0	14.96	15.04	14.99	
3	16QAM	8	4	14.93	15.02	14.97	
3	16QAM	8	7	14.80	14.87	14.79	16
3	16QAM	15	0	14.84	15.03	14.88	
3	64QAM	1	0	15.33	15.45	15.34	
3	64QAM	1	8	15.18	15.37	15.26	15
3	64QAM	1	14	15.28	15.29	15.14	
3	64QAM	8	0	14.29	14.38	14.26	
3	64QAM	8	4	14.26	14.36	14.19	15
3	64QAM	8	7	14.04	14.24	14.20	
3	64QAM	15	0	14.12	14.31	14.14	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	16.86	16.92	16.89	18
1.4	QPSK	1	3	16.53	16.71	16.60	
1.4	QPSK	1	5	16.46	16.49	16.52	
1.4	QPSK	3	0	15.60	15.79	15.71	
1.4	QPSK	3	1	15.68	15.76	15.60	
1.4	QPSK	3	3	15.59	15.73	15.51	17
1.4	QPSK	6	0	15.66	15.70	15.58	
1.4	16QAM	1	0	16.08	16.17	16.01	
1.4	16QAM	1	3	16.02	16.08	16.07	17
1.4	16QAM	1	5	15.91	15.93	15.85	
1.4	16QAM	3	0	14.93	15.01	14.96	
1.4	16QAM	3	1	14.90	14.99	14.94	
1.4	16QAM	3	3	14.77	14.84	14.76	
1.4	16QAM	6	0	14.81	15.00	14.85	16
1.4	64QAM	1	0	15.30	15.42	15.31	16
1.4	64QAM	1	3	15.15	15.34	15.23	
1.4	64QAM	1	5	15.25	15.26	15.11	
1.4	64QAM	3	0	14.26	14.35	14.23	
1.4	64QAM	3	1	14.23	14.33	14.16	
1.4	64QAM	3	3	14.01	14.21	14.17	15
1.4	64QAM	6	0	14.09	14.28	14.11	

3	QPSK	15	0	15.17	15.22	15.19	16.5
3	16QAM	1	0	15.74	15.80	15.78	
3	16QAM	1	8	15.69	15.76	15.71	
3	16QAM	1	14	15.70	15.73	15.71	15.5
3	16QAM	8	0	14.47	14.56	14.51	
3	16QAM	8	4	14.51	14.60	14.50	
3	16QAM	8	7	14.54	14.62	14.54	15.5
3	16QAM	15	0	14.56	14.59	14.62	
3	64QAM	1	0	14.92	14.94	14.88	
3	64QAM	1	8	14.86	14.88	14.82	14.5
3	64QAM	1	14	14.91	14.92	14.88	
3	64QAM	8	0	13.60	13.68	13.66	
3	64QAM	8	4	13.56	13.66	13.62	14.5
3	64QAM	8	7	13.68	13.72	13.62	
3	64QAM	15	0	13.70	13.78	13.71	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	16.29	16.33	16.31	17.5
1.4	QPSK	1	3	16.12	16.20	16.13	
1.4	QPSK	1	5	16.17	16.24	16.15	
1.4	QPSK	3	0	15.20	15.22	15.19	
1.4	QPSK	3	1	15.19	15.20	15.10	
1.4	QPSK	3	3	15.10	15.15	15.05	16.5
1.4	QPSK	6	0	15.12	15.17	15.14	
1.4	16QAM	1	0	15.69	15.75	15.73	
1.4	16QAM	1	3	15.64	15.71	15.66	16.5
1.4	16QAM	1	5	15.65	15.68	15.66	
1.4	16QAM	3	0	14.42	14.51	14.46	
1.4	16QAM	3	1	14.46	14.55	14.45	
1.4	16QAM	3	3	14.49	14.57	14.49	
1.4	16QAM	6	0	14.51	14.54	14.57	15.5
1.4	64QAM	1	0	14.87	14.89	14.83	15.5
1.4	64QAM	1	3	14.81	14.83	14.77	
1.4	64QAM	1	5	14.86	14.87	14.83	
1.4	64QAM	3	0	13.55	13.63	13.61	
1.4	64QAM	3	1	13.51	13.61	13.57	
1.4	64QAM	3	3	13.63	13.67	13.57	14.5
1.4	64QAM	6	0	13.65	13.73	13.66	



3	QPSK	15	0	16.09	16.03	16.00	
3	16QAM	1	0	16.11	15.95	16.09	
3	16QAM	1	8	15.95	15.98	15.96	17.5
3	16QAM	1	14	15.82	15.92	15.87	
3	16QAM	8	0	15.08	15.09	15.02	
3	16QAM	8	4	14.81	15.02	15.01	16.5
3	16QAM	8	7	15.07	15.10	15.08	
3	16QAM	15	0	15.13	15.12	15.06	
3	64QAM	1	0	14.98	15.10	15.11	
3	64QAM	1	8	15.14	15.10	15.07	16.5
3	64QAM	1	14	14.97	14.95	14.83	
3	64QAM	8	0	14.22	14.12	14.16	
3	64QAM	8	4	14.13	14.15	14.04	15.5
3	64QAM	8	7	14.17	14.19	14.15	
3	64QAM	15	0	14.13	14.23	14.08	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)
1.4	QPSK	1	0	17.00	17.01	16.96	
1.4	QPSK	1	3	16.98	16.92	16.99	
1.4	QPSK	1	5	16.97	16.99	16.66	18.5
1.4	QPSK	3	0	16.09	16.12	16.03	
1.4	QPSK	3	1	16.05	16.09	15.95	
1.4	QPSK	3	3	16.10	16.11	16.05	
1.4	QPSK	6	0	16.07	16.01	15.98	17.5
1.4	16QAM	1	0	16.09	15.93	16.07	
1.4	16QAM	1	3	15.93	15.96	15.94	
1.4	16QAM	1	5	15.80	15.90	15.85	17.5
1.4	16QAM	3	0	15.06	15.07	15.00	
1.4	16QAM	3	1	14.79	15.00	14.99	
1.4	16QAM	3	3	15.05	15.08	15.06	
1.4	16QAM	6	0	15.11	15.10	15.04	16.5
1.4	64QAM	1	0	14.96	15.08	15.09	
1.4	64QAM	1	3	15.12	15.08	15.05	
1.4	64QAM	1	5	14.95	14.93	14.81	16.5
1.4	64QAM	3	0	14.20	14.10	14.14	
1.4	64QAM	3	1	14.11	14.13	14.02	
1.4	64QAM	3	3	14.15	14.17	14.13	
1.4	64QAM	6	0	14.11	14.21	14.06	15.5





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			
Frequency (MHz)				2355			
10	QPSK	1	0	20.47			21.5
10	QPSK	1	25	20.43			
10	QPSK	1	49	20.34			
10	QPSK	25	0	19.58			20.5
10	QPSK	25	12	19.44			
10	QPSK	25	25	19.49			
10	QPSK	50	0	19.41			20.5
10	16QAM	1	0	19.50			
10	16QAM	1	25	19.49			
10	16QAM	1	49	19.40			20.5
10	16QAM	25	0	18.46			
10	16QAM	25	12	18.57			
10	16QAM	25	25	18.43			19.5
10	16QAM	50	0	18.50			
10	64QAM	1	0	18.52			
10	64QAM	1	25	18.48			19.5
10	64QAM	1	49	18.41			
10	64QAM	25	0	17.60			
10	64QAM	25	12	17.56			18.5
10	64QAM	25	25	17.47			
10	64QAM	50	0	17.52			
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	20.37	20.40	20.35	21.5
5	QPSK	1	12	20.21	20.38	20.24	
5	QPSK	1	24	20.29	20.27	20.11	
5	QPSK	12	0	19.48	19.58	19.55	20.5
5	QPSK	12	7	19.32	19.58	19.35	
5	QPSK	12	13	19.38	19.36	19.30	
5	QPSK	25	0	19.32	19.46	19.33	20.5
5	16QAM	1	0	19.48	19.45	19.43	
5	16QAM	1	12	19.33	19.46	19.44	
5	16QAM	1	24	19.29	19.30	19.33	20.5
5	16QAM	12	0	18.44	18.49	18.48	
5	16QAM	12	7	18.48	18.35	18.35	
5	16QAM	12	13	18.42	18.33	18.50	19.5
5	16QAM	25	0	18.37	18.50	18.31	
5	64QAM	1	0	18.46	18.60	18.38	
5	64QAM	1	12	18.39	18.53	18.39	19.5
5	64QAM	1	24	18.38	18.43	18.36	
5	64QAM	12	0	17.37	17.41	17.49	
5	64QAM	12	7	17.33	17.51	17.45	18.5
5	64QAM	12	13	17.40	17.30	17.30	
5	64QAM	25	0	17.23	17.36	17.35	

**5GHz WLAN ANT 1**

5.2GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	<b>16.88</b>	17.50	16.00	89.10
		CH 44	5220	16.59	17.50	16.00	88.61
		CH 48	5240	16.25	17.00	16.00	<b>84.34</b>
	802.11n-HT20 MCS0	CH 36	5180	15.58	16.50	16.00	88.06
		CH 44	5220	15.32	16.50	16.00	87.41
		CH 48	5240	15.02	16.00	16.00	87.31
	802.11n-HT40 MCS0	CH 38	5190	15.81	16.50	16.00	77.63
		CH 46	5230	15.42	16.50	16.00	69.88
	802.11ac-VHT20 MCS0	CH 36	5180	15.38	16.50	16.00	86.76
CH 44		5220	15.13	16.00	16.00	83.22	
CH 48		5240	14.85	15.50	16.00	85.00	
802.11ac-VHT40 MCS0	CH 38	5190	15.56	16.50	16.00	74.68	
	CH 46	5230	15.22	16.00	16.00	77.63	
802.11ac-VHT80 MCS0	CH 42	5210	15.53	16.50	16.00	65.22	

**5GHz WLAN ANT 1**

5.3GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 52	5260	<b>16.27</b>	17.00	14.00	88.54
		CH 60	5300	15.58	16.50	14.00	89.10
		CH 64	5320	15.24	16.00	14.00	88.54
	802.11n-HT20 MCS0	CH 52	5260	14.98	16.00	14.00	88.06
		CH 60	5300	14.30	15.00	14.00	84.17
		CH 64	5320	13.96	15.00	14.00	85.51
	802.11n-HT40 MCS0	CH 54	5270	14.95	16.00	14.00	77.63
		CH 62	5310	14.49	15.50	14.00	73.42
	802.11ac-VHT20 MCS0	CH 52	5260	14.77	15.50	14.00	87.50
		CH 60	5300	14.08	15.00	14.00	87.41
		CH 64	5320	13.74	14.50	14.00	87.41
	802.11ac-VHT40 MCS0	CH 54	5270	14.73	15.50	14.00	77.63
CH 62		5310	14.23	15.00	14.00	78.67	
802.11ac-VHT80 MCS0	CH 58	5290	14.56	15.50	14.00	63.04	

**Reduced Power Level 2**

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	27.55	27.50	27.48	28.00	18.55	18.50	18.48	19.00
GPRS 1 Tx slot	27.51	27.51	27.50	28.00	18.51	18.51	18.50	19.00
GPRS 2 Tx slots	25.20	25.25	25.21	26.00	19.20	19.25	19.21	20.00
GPRS 3 Tx slots	23.75	23.81	23.80	24.50	19.49	19.55	19.54	20.24
GPRS 4 Tx slots	21.80	21.84	21.81	22.50	18.80	18.84	18.81	19.50
EDGE 1 Tx slot	23.80	23.67	23.54	24.50	14.60	14.67	14.54	15.50
EDGE 2 Tx slots	22.15	22.25	22.20	23.00	16.15	16.25	16.20	17.00
EDGE 3 Tx slots	20.27	20.31	20.22	21.00	16.01	16.05	15.96	16.74
EDGE 4 Tx slots	17.80	17.87	17.82	18.50	14.80	14.87	14.82	15.50
Attenuator	Cable Loss : 0.8							
Date	11/16							

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
TX Channel	9662	9800	9938		1537	1638	1738		
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	RMC 12.2Kbps	20.71	20.76	20.70	21.50	20.62	20.70	20.62	21.50
3GPP Rel 5	HSDPA Subtest-1	19.54	19.30	19.50	20.00	19.92	19.59	19.87	20.00
3GPP Rel 5	HSDPA Subtest-2	19.32	19.01	19.20	20.00	20.03	19.74	19.94	20.50
3GPP Rel 5	HSDPA Subtest-3	18.70	18.25	18.43	19.50	20.05	19.77	19.99	20.50
3GPP Rel 5	HSDPA Subtest-4	19.23	18.93	19.11	19.50	20.08	19.82	20.02	20.50
3GPP Rel 8	DC-HSDPA Subtest-1	19.38	19.04	19.23	20.00	19.78	19.43	19.43	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.37	17.90	18.14	19.50	18.61	18.49	18.48	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.10	17.79	18.07	19.50	18.53	18.39	18.37	19.50
3GPP Rel 8	DC-HSDPA Subtest-4	18.06	17.77	18.05	19.50	18.51	18.37	18.35	19.50
3GPP Rel 6	HSUPA Subtest-1	19.66	19.35	19.45	20.00	19.97	19.64	19.89	20.50
3GPP Rel 6	HSUPA Subtest-2	19.55	19.29	19.47	20.00	19.88	19.55	19.82	20.50
3GPP Rel 6	HSUPA Subtest-3	19.66	19.39	19.57	20.00	19.98	19.68	19.92	20.50
3GPP Rel 6	HSUPA Subtest-4	19.53	19.22	19.44	20.00	19.86	19.51	19.78	20.50
3GPP Rel 6	HSUPA Subtest-5	19.63	19.35	19.53	20.00	19.96	19.66	19.90	20.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.72	19.43	19.63	20.00	20.11	19.85	20.03	20.50
Attenuator		Cable Loss	0.8			Cable Loss	0.8		
Mode		Max.	20.76			Max.	20.70		
Date	11/14								



3	QPSK	15	0	19.69	19.73	19.61	21
3	16QAM	1	0	20.11	20.20	20.04	
3	16QAM	1	8	20.05	20.11	20.10	
3	16QAM	1	14	19.94	19.96	19.88	
3	16QAM	8	0	18.96	19.04	18.99	
3	16QAM	8	4	18.93	19.02	18.97	
3	16QAM	8	7	18.80	18.87	18.79	
3	16QAM	15	0	18.84	19.03	18.88	
3	64QAM	1	0	19.33	19.45	19.34	
3	64QAM	1	8	19.18	19.37	19.26	
3	64QAM	1	14	19.28	19.29	19.14	
3	64QAM	8	0	18.29	18.38	18.26	
3	64QAM	8	4	18.26	18.36	18.19	
3	64QAM	8	7	18.04	18.24	18.20	
3	64QAM	15	0	18.12	18.31	18.14	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	20.86	20.92	20.89	22
1.4	QPSK	1	3	20.53	20.71	20.60	
1.4	QPSK	1	5	20.46	20.49	20.52	
1.4	QPSK	3	0	19.60	19.79	19.71	
1.4	QPSK	3	1	19.68	19.76	19.60	
1.4	QPSK	3	3	19.59	19.73	19.51	
1.4	QPSK	6	0	19.66	19.70	19.58	
1.4	16QAM	1	0	20.08	20.17	20.01	21
1.4	16QAM	1	3	20.02	20.08	20.07	
1.4	16QAM	1	5	19.91	19.93	19.85	
1.4	16QAM	3	0	18.93	19.01	18.96	
1.4	16QAM	3	1	18.90	18.99	18.94	
1.4	16QAM	3	3	18.77	18.84	18.76	
1.4	16QAM	6	0	18.81	19.00	18.85	20
1.4	64QAM	1	0	19.30	19.42	19.31	20
1.4	64QAM	1	3	19.15	19.34	19.23	
1.4	64QAM	1	5	19.25	19.26	19.11	
1.4	64QAM	3	0	18.26	18.35	18.23	
1.4	64QAM	3	1	18.23	18.33	18.16	
1.4	64QAM	3	3	18.01	18.21	18.17	
1.4	64QAM	6	0	18.09	18.28	18.11	19

3	QPSK	15	0	19.17	19.22	19.19	20.5
3	16QAM	1	0	19.74	19.80	19.78	
3	16QAM	1	8	19.69	19.76	19.71	
3	16QAM	1	14	19.70	19.73	19.71	
3	16QAM	8	0	18.47	18.56	18.51	
3	16QAM	8	4	18.51	18.60	18.50	
3	16QAM	8	7	18.54	18.62	18.54	
3	16QAM	15	0	18.56	18.59	18.62	
3	64QAM	1	0	18.92	18.94	18.88	
3	64QAM	1	8	18.86	18.88	18.82	
3	64QAM	1	14	18.91	18.92	18.88	
3	64QAM	8	0	17.60	17.68	17.66	
3	64QAM	8	4	17.56	17.66	17.62	
3	64QAM	8	7	17.68	17.72	17.62	
3	64QAM	15	0	17.70	17.78	17.71	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.29	20.33	20.31	21.5
1.4	QPSK	1	3	20.12	20.20	20.13	
1.4	QPSK	1	5	20.17	20.24	20.15	
1.4	QPSK	3	0	19.20	19.22	19.19	
1.4	QPSK	3	1	19.19	19.20	19.10	
1.4	QPSK	3	3	19.10	19.15	19.05	
1.4	QPSK	6	0	19.12	19.17	19.14	20.5
1.4	16QAM	1	0	19.69	19.75	19.73	20.5
1.4	16QAM	1	3	19.64	19.71	19.66	
1.4	16QAM	1	5	19.65	19.68	19.66	
1.4	16QAM	3	0	18.42	18.51	18.46	
1.4	16QAM	3	1	18.46	18.55	18.45	
1.4	16QAM	3	3	18.49	18.57	18.49	
1.4	16QAM	6	0	18.51	18.54	18.57	19.5
1.4	64QAM	1	0	18.87	18.89	18.83	19.5
1.4	64QAM	1	3	18.81	18.83	18.77	
1.4	64QAM	1	5	18.86	18.87	18.83	
1.4	64QAM	3	0	17.55	17.63	17.61	
1.4	64QAM	3	1	17.51	17.61	17.57	
1.4	64QAM	3	3	17.63	17.67	17.57	
1.4	64QAM	6	0	17.65	17.73	17.66	18.5



3	QPSK	15	0	20.09	20.03	20.00	
3	16QAM	1	0	20.11	19.95	20.09	
3	16QAM	1	8	19.95	19.98	19.96	21.5
3	16QAM	1	14	19.82	19.92	19.87	
3	16QAM	8	0	19.08	19.09	19.02	
3	16QAM	8	4	18.81	19.02	19.01	20.5
3	16QAM	8	7	19.07	19.10	19.08	
3	16QAM	15	0	19.13	19.12	19.06	
3	64QAM	1	0	18.98	19.10	19.11	
3	64QAM	1	8	19.14	19.10	19.07	20.5
3	64QAM	1	14	18.97	18.95	18.83	
3	64QAM	8	0	18.22	18.12	18.16	
3	64QAM	8	4	18.13	18.15	18.04	19.5
3	64QAM	8	7	18.17	18.19	18.15	
3	64QAM	15	0	18.13	18.23	18.08	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	Tune-up limit (dBm)
1.4	QPSK	1	0	21.00	21.01	20.96	
1.4	QPSK	1	3	20.98	20.92	20.99	
1.4	QPSK	1	5	20.97	20.99	20.66	22.5
1.4	QPSK	3	0	20.09	20.12	20.03	
1.4	QPSK	3	1	20.05	20.09	19.95	
1.4	QPSK	3	3	20.10	20.11	20.05	
1.4	QPSK	6	0	20.07	20.01	19.98	21.5
1.4	16QAM	1	0	20.09	19.93	20.07	
1.4	16QAM	1	3	19.93	19.96	19.94	
1.4	16QAM	1	5	19.80	19.90	19.85	21.5
1.4	16QAM	3	0	19.06	19.07	19.00	
1.4	16QAM	3	1	18.79	19.00	18.99	
1.4	16QAM	3	3	19.05	19.08	19.06	
1.4	16QAM	6	0	19.11	19.10	19.04	20.5
1.4	64QAM	1	0	18.96	19.08	19.09	
1.4	64QAM	1	3	19.12	19.08	19.05	
1.4	64QAM	1	5	18.95	18.93	18.81	20.5
1.4	64QAM	3	0	18.20	18.10	18.14	
1.4	64QAM	3	1	18.11	18.13	18.02	
1.4	64QAM	3	3	18.15	18.17	18.13	
1.4	64QAM	6	0	18.11	18.21	18.06	19.5





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			
Frequency (MHz)				2355			
10	QPSK	1	0	20.47			21.5
10	QPSK	1	25	20.43			
10	QPSK	1	49	20.34			
10	QPSK	25	0	19.58			20.5
10	QPSK	25	12	19.44			
10	QPSK	25	25	19.49			
10	QPSK	50	0	19.41			20.5
10	16QAM	1	0	19.50			
10	16QAM	1	25	19.49			
10	16QAM	1	49	19.40			20.5
10	16QAM	25	0	18.46			
10	16QAM	25	12	18.57			
10	16QAM	25	25	18.43			19.5
10	16QAM	50	0	18.50			
10	64QAM	1	0	18.52			
10	64QAM	1	25	18.48			19.5
10	64QAM	1	49	18.41			
10	64QAM	25	0	17.60			
10	64QAM	25	12	17.56			18.5
10	64QAM	25	25	17.47			
10	64QAM	50	0	17.52			
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	20.37	20.40	20.35	21.5
5	QPSK	1	12	20.21	20.38	20.24	
5	QPSK	1	24	20.29	20.27	20.11	
5	QPSK	12	0	19.48	19.58	19.55	20.5
5	QPSK	12	7	19.32	19.58	19.35	
5	QPSK	12	13	19.38	19.36	19.30	
5	QPSK	25	0	19.32	19.46	19.33	20.5
5	16QAM	1	0	19.48	19.45	19.43	
5	16QAM	1	12	19.33	19.46	19.44	
5	16QAM	1	24	19.29	19.30	19.33	20.5
5	16QAM	12	0	18.44	18.49	18.48	
5	16QAM	12	7	18.48	18.35	18.35	
5	16QAM	12	13	18.42	18.33	18.50	19.5
5	16QAM	25	0	18.37	18.50	18.31	
5	64QAM	1	0	18.46	18.60	18.38	
5	64QAM	1	12	18.39	18.53	18.39	19.5
5	64QAM	1	24	18.38	18.43	18.36	
5	64QAM	12	0	17.37	17.41	17.49	
5	64QAM	12	7	17.33	17.51	17.45	18.5
5	64QAM	12	13	17.40	17.30	17.30	
5	64QAM	25	0	17.23	17.36	17.35	