



ANT 1

2.4GWi-Fi ant 1 Full Power

Average Power (dBm)					
Channel	Frequency (MHz)	802.11 b	802.11 g	802.11n (HT20)	802.11ax20
CH 01	2412	16.08	13.65	12.46	11.65
CH 06	2437	16.42	14.17	13.08	12.26
CH 11	2462	17.16	14.56	13.43	12.48

Average Power (dBm)			
Channel	Frequency (MHz)	802.11n (HT40)	802.11ax40
CH 03	2422	13.02	12.12
CH 06	2437	13.06	12.39
CH 09	2452	13.13	12.31

Bluetooth ant 1 Full Power

Average Power (dBm)				
Channel	Frequency (MHz)	GFSK	$\pi/4$ -DQPSK	8DPSK
CH 00	2402	6.54	5.31	5.74
CH 39	2441	6.75	6.28	6.61
CH 78	2480	5.00	4.75	5.00

Average Power (dBm)					
Channel	Frequency (MHz)	BLE PHY1M	BLE PHY2M	BLE CodedPHY S=2	BLE CodedPHY S=8
CH 00	2402	-1.18	-1.21	-1.13	-1.15
CH 20	2442	2.20	2.18	2.27	2.24
CH 39	2480	2.06	2.12	2.08	2.03

ANT 4

2.4GWi-Fi ant 4 Full Power

Average Power (dBm)					
Channel	Frequency (MHz)	802.11 b	802.11 g	802.11n (HT20)	802.11ax20
CH 01	2412	15.77	12.82	11.92	11.25
CH 06	2437	16.30	13.55	12.65	11.93
CH 11	2462	15.98	13.20	12.47	11.63

Average Power (dBm)			
Channel	Frequency (MHz)	802.11n (HT40)	802.11ax40
CH 03	2422	12.24	11.30
CH 06	2437	12.47	11.81
CH 09	2452	12.56	11.74

**ANT 2****5.2GWi-Fi ant 2 Full Power**

Average Power (dBm)					
Channel	Frequenc y (MHz)	802.11 a	802.11 ac20	802.11 n20	802.11 ax20
CH 36	5180	13.15	12.25	12.05	10.63
CH 40	5200	12.65	11.82	11.78	10.35
CH 48	5240	12.41	11.46	11.52	10.14

Average Power (dBm)			
Channel	Frequenc y (MHz)	802.11 ac40	802.11 n40
CH 38	5190	10.8	11.48
CH 46	5230	10.53	11.19

Average Power (dBm)			
Channel	Frequenc y (MHz)	802.11 ac80	802.11 ax80
CH 42	5210	10.85	9.67

5.8GWi-Fi ant 2 Full Power

Average Power (dBm)					
Channel	Frequenc y (MHz)	802.11 a	802.11 ac20	802.11 n20	802.11 ax20
CH 149	5745	14.49	12.2	13.71	10.93
CH 157	5785	14.57	11.24	13.61	10.97
CH 165	5825	14.18	11.53	13.35	9.95

Average Power (dBm)			
Channel	Frequenc y (MHz)	802.11 ac40	802.11 n40
CH 151	5755	11.68	12.49
CH 159	5795	11.68	12.72

Average Power (dBm)			
Channel	Frequenc y (MHz)	802.11 ac80	802.11 ax80
CH 155	5775	11.68	10.66

ANT 4**5.2GWi-Fi ant 4 Full Power**

Average Power (dBm)					
Channel	Frequenc y (MHz)	802.11 a	802.11 ac20	802.11 n20	802.11 ax20
CH 36	5180	13.88	12.49	12.51	11.09
CH 40	5200	13.61	12.30	12.47	10.97
CH 48	5240	12.71	12.19	12.19	11.04

Average Power (dBm)			
Channel	Frequenc y (MHz)	802.11 ac40	802.11 n40
CH 38	5190	11.15	12.05
CH 46	5230	11.18	11.75

Average Power (dBm)			
Channel	Frequenc y (MHz)	802.11 ac80	802.11 ax80
CH 58	5290	11.43	10.18

5.8GWi-Fi ant 4 Full Power

Average Power (dBm)					
Channel	Frequenc y (MHz)	802.11 a	802.11 ac20	802.11 n20	802.11 ax20
CH 149	5745	13.96	11.50	13.02	10.35
CH 157	5785	14.49	12.68	13.28	10.79
CH 165	5825	15.08	12.28	13.97	11.00

Average Power (dBm)			
Channel	Frequenc y (MHz)	802.11 ac40	802.11 n40
CH 151	5755	11.20	12.06
CH 159	5795	11.36	12.48

Average Power (dBm)			
Channel	Frequenc y (MHz)	802.11 ac80	802.11 ax80
CH 155	5775	11.55	10.35

NFC ANT

Mode	Power (dBm)
NFC	-39.02

ANT 5

GSM: ant 5 Full Power						
Band: GSM 850	Burst Average Power (dBm)			Frame-Average Power(dBm)		
Channel	128	190	251	128	190	251
Frequency (MHz)	824.2	836.6	848.8	824.2	836.6	848.8
GSM (GMSK, Voice)	33.11	33.29	33.23	24.08	24.26	24.2
GPRS (GMSK, 1 TX slot)	33.15	33.31	33.24	24.12	24.28	24.21
GPRS (GMSK, 2 TX slots)	32.26	32.45	32.38	26.24	26.43	26.36
GPRS (GMSK, 3 TX slots)	30.38	30.57	30.50	26.12	26.31	26.24
GPRS (GMSK, 4 TX slots)	29.33	29.52	29.45	26.32	26.51	26.44
EGPRS (8PSK, 1 TX slot)	27.78	27.70	27.68	18.75	18.67	18.65
EGPRS (8PSK, 2 TX slots)	26.68	26.64	26.53	20.66	20.62	20.51
EGPRS (8PSK, 3 TX slots)	24.67	24.61	24.51	20.41	20.35	20.25
EGPRS (8PSK, 4 TX slots)	23.62	23.62	23.47	20.61	20.61	20.46

WCDMA: ant 5 Full Power			
WCDMA Average power (dBm)			
Band	WCDMA Band V		
Channel	4132	4183	4233
Frequency (MHz)	826.4	836.6	846.6
AMR 12.2 kbps	23.18	23.10	23.10
RMC 12.2 kbps	23.18	23.18	23.14
HSDPA Sub-test 1	22.16	22.16	22.16
HSDPA Sub-test 2	21.64	21.66	21.68
HSDPA Sub-test 3	21.70	21.70	21.69
HSDPA Sub-test 4	21.64	21.66	21.64
HSUPA Sub-test 1	20.16	20.16	20.15
HSUPA Sub-test 2	20.57	20.60	20.58
HSUPA Sub-test 3	21.11	21.12	21.08
HSUPA Sub-test 4	20.17	20.19	20.17
HSUPA Sub-test 5	22.19	22.18	22.18

ANT 10

GSM: ant 10 Full Power

Band: PCS 1900	Burst Average Power (dBm)			Frame-Average Power(dBm)		
Channel	512	661	810	512	661	810
Frequency (MHz)	1850.2	1880	1909.8	1850.2	1880	1909.8
GSM (GMSK, Voice)	28.55	29.06	29.22	19.52	20.03	20.19
GPRS (GMSK, 1 TX slot)	28.53	29.03	29.20	19.50	20.00	20.17
GPRS (GMSK, 2 TX slots)	27.56	28.04	28.20	21.54	22.02	22.18
GPRS (GMSK, 3 TX slots)	25.95	26.41	26.56	21.69	22.15	22.30
GPRS (GMSK, 4 TX slots)	25.39	25.84	25.98	22.38	22.83	22.97
EGPRS (8PSK, 1 TX slot)	28.03	28.03	27.88	19.00	19.00	18.85
EGPRS (8PSK, 2 TX slots)	27.54	27.53	27.33	21.52	21.51	21.31
EGPRS (8PSK, 3 TX slots)	26.34	26.23	25.99	22.08	21.97	21.73
EGPRS (8PSK, 4 TX slots)	25.61	25.46	25.23	22.60	22.45	22.22

WCDMA: ant 10 Full Power

WCDMA Average power (dBm)						
Band	WCDMA Band II			WCDMA Band IV		
Channel	9262	9400	9538	1312	1413	1513
Frequency (MHz)	1852.4	1880	1907.6	1712.4	1732.6	1752.6
AMR 12.2 kbps	21.86	22.10	22.45	22.04	21.84	21.83
RMC 12.2 kbps	22.01	22.26	22.55	22.03	21.87	21.84
HSDPA Sub-test 1	20.99	21.23	21.55	21.17	21.03	21.00
HSDPA Sub-test 2	20.47	20.69	21.04	20.69	20.54	20.49
HSDPA Sub-test 3	20.53	20.74	21.09	20.73	20.56	20.51
HSDPA Sub-test 4	20.48	20.74	21.08	20.67	20.52	20.49
HSUPA Sub-test 1	18.97	19.16	19.52	19.33	19.00	18.99
HSUPA Sub-test 2	19.46	19.68	20.02	19.68	19.53	19.49
HSUPA Sub-test 3	19.99	20.17	20.52	20.18	20.06	20.00
HSUPA Sub-test 4	18.95	19.14	19.48	19.35	19.05	19.00
HSUPA Sub-test 5	20.97	21.18	21.53	21.22	21.09	21.01

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