



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	Frequency (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	Frequency (MHz)	802.11 ac40	802.11 n40	802.11 ax40
CH 38	5190	10.8	11.48	9.88
CH 46	5230	10.53	11.19	9.83

Average Power (dBm)			
Channel	Frequency (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	Frequency (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	Frequency (MHz)	802.11 ac40	802.11 n40	802.11 ax40
CH 151	5755	11.68	12.49	11.13
CH 159	5795	11.68	12.72	10.72

Average Power (dBm)			
Channel	Frequency (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	Frequency (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	Frequency (MHz)	802.11 ac40	802.11 n40	802.11 ax40
CH 38	5190	11.15	12.05	10.44
CH 46	5230	11.18	11.75	10.65

Average Power (dBm)			
Channel	Frequency (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	Frequency (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	Frequency (MHz)	802.11 ac40	802.11 n40	802.11 ax40
CH 151	5755	11.20	12.06	10.81
CH 159	5795	11.36	12.48	10.46

Average Power (dBm)			
Channel	Frequency (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 5

LTE Band 5 part ant5:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20407	20525	20643
					824.7MHz	836.5MHz	848.3MHz
Band 5	1.4	QPSK	1	0	23.70	23.63	23.54
			1	2	23.63	23.63	23.44
			1	5	23.75	23.59	23.45
			3	0	23.78	23.62	23.57
			3	1	23.76	23.61	23.54
			3	2	23.77	23.59	23.56
		16QAM	6	0	22.75	22.77	22.56
			1	0	22.84	22.59	22.61
			1	2	22.93	22.58	22.68
			1	5	22.98	22.60	22.60
			3	0	22.64	22.73	22.47
			3	1	22.63	22.74	22.50
		64QAM	3	2	22.65	22.72	22.45
			6	0	21.60	21.71	21.58
			1	0	21.68	22.05	21.89
			1	2	21.72	22.09	21.88
			1	5	21.77	22.05	21.83
			3	0	21.53	21.78	21.54
		64QAM	3	1	21.53	21.77	21.54
			3	2	21.53	21.79	21.52
			6	0	20.52	20.63	20.34

LTE Band 12 part ant5:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					23017	23095	23175
					699.7MHz	707.5MHz	715.3MHz
Band 12	1.4	QPSK	1	0	23.19	23.24	23.16
			1	2	23.19	23.20	23.18
			1	5	23.22	23.23	23.24
			3	0	23.23	23.29	23.23
			3	1	23.22	23.31	23.20
			3	2	23.25	23.27	23.20
		16QAM	6	0	22.23	22.24	22.27
			1	0	22.30	22.43	22.12
			1	2	22.42	22.46	22.13
			1	5	22.29	22.45	22.10
			3	0	22.12	22.18	22.17
			3	1	22.12	22.20	22.18
		64QAM	3	2	22.12	22.18	22.17
			6	0	21.31	21.19	21.28
			1	0	21.64	21.31	21.59
			1	2	21.69	21.31	21.61
			1	5	21.63	21.32	21.62
			3	0	21.27	21.15	21.34
		64QAM	3	1	21.25	21.16	21.35
			3	2	21.26	21.16	21.36
			6	0	20.09	20.10	20.19

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20415	20525	20635
					825.5MHz	836.5MHz	847.5MHz
Band 5	3	QPSK	1	0	23.82	23.67	23.58
			1	7	23.85	23.62	23.51
			1	14	23.83	23.61	23.47
			8	0	22.71	22.71	22.57
			8	4	22.70	22.73	22.58
			8	7	22.68	22.74	22.58
		16QAM	15	0	22.70	22.74	22.57
			1	0	22.93	22.92	22.49
			1	7	23.03	22.85	22.51
			1	14	23.02	22.84	22.44
			8	0	21.77	21.69	21.58
			8	4	21.77	21.69	21.58
		64QAM	8	7	21.74	21.69	21.59
			15	0	21.71	21.67	21.48
			1	0	21.72	21.72	21.87
			1	7	21.78	21.70	21.88
			1	14	21.76	21.69	21.88
			8	0	20.71	20.72	20.55
		64QAM	8	4	20.70	20.70	20.56
			8	7	20.69	20.70	20.52
			15	0	20.73	20.64	20.48

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					23025	23095	23165
					700.5MHz	707.5MHz	714.5MHz
Band 12	3	QPSK	1	0	23.31	23.24	23.21
			1	7	23.32	23.21	23.15
			1	14	23.31	23.21	23.20
			8	0	22.25	22.23	22.22
			8	4	22.25	22.21	22.23
			8	7	22.26	22.23	22.24
		16QAM	15	0	22.28	22.24	22.22
			1	0	22.44	22.46	22.08
			1	7	22.46	22.40	22.12
			1	14	22.44	22.36	22.18
			8	0	21.39	21.27	21.32
			8	4	21.35	21.27	21.33
		64QAM	8	7	21.40	21.24	21.34
			15	0	21.36	21.20	21.19
			1	0	21.30	21.33	21.62
			1	7	21.31	21.31	21.60
			1	14	21.32	21.29	21.69
			8	0	20.31	20.32	20.32
		64QAM	8	4	20.31	20.29	20.29
			8	7	20.33	20.25	20.26
			15	0	20.41	20.21	20.19

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20425	20525	20625
					826.5MHz	836.5MHz	846.5MHz
Band 5	5	QPSK	1	0	23.92	23.90	23.81
			1	12	23.88	23.86	23.75
			1	24	23.93	23.86	23.75
			12	0	22.70	22.77	22.62
			12	6	22.72	22.76	22.64
			12	11	22.73	22.73	22.64
		16QAM	25	0	22.74	22.72	22.61
			1	0	22.76	22.96	22.74
			1	12	22.71	22.96	22.66
			1	24	22.82	22.95	22.66
			12	0	21.74	21.81	21.61
			12	6	21.71	21.78	21.67
		64QAM	12	11	21.73	21.81	21.62
			25	0	21.71	21.69	21.63
			1	0	21.72	22.29	21.97
			1	12	21.66	22.26	21.90
			1	24	21.76	22.25	21.91
			12	0	20.75	20.80	20.65
		64QAM	12	6	20.75	20.77	20.64
			12	11	20.75	20.81	20.64
			25	0	20.70	20.66	20.56

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					23035	23095	23155
					701.5MHz	707.5MHz	713.5MHz
Band 12	5	QPSK	1	0	23.47	23.42	23.41
			1	12	23.46	23.37	23.36
			1	24	23.51	23.37	23.49
			12	0	22.30	22.28	22.35
			12	6	22.31	22.27	22.36
			12	11	22.32	22.30	22.37
		16QAM	25	0	22.29	22.26	22.28
			1	0	22.35	22.56	22.36
			1	12	22.33	22.52	22.32
			1	24	22.42	22.52	22.43
			12	0	21.38	21.33	21.38
			12	6	21.36	21.35	21.36
		64QAM	12	11	21.36	21.34	21.41
			25	0	21.37	21.28	21.37
			1	0	21.31	21.89	21.67
			1	12	21.33	22.00	21.63
			1	24	21.35	21.73	21.69
			12	0	20.38	20.37	20.42
		64QAM	12	6	20.36	20.38	20.43
			12	11	20.36	20.37	20.43
			25	0	20.33	20.28	20.30

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20450	20525	20600
					829MHz	836.5MHz	844MHz
Band 5	10	QPSK	1	0	23.74	23.72	23.55
			1	24	23.74	23.67	23.62
			1	49	23.75	23.79	23.54
			25	0	22.67	22.82	22.68
			25	12	22.70	22.82	22.66
			25	24	22.69	22.83	22.64
		16QAM	50	0	22.69	22.77	22.67
			1	0	22.89	22.94	22.80
			1	24	22.91	22.85	22.79
			1	49	22.97	22.93	22.73
			25	0	21.69	21.79	21.68
			25	12	21.64	21.79	21.72
		64QAM	25	24	21.70	21.78	21.70
			50	0	21.63	21.73	21.67
			1	0	21.71	21.76	21.63
			1	24	21.74	21.80	21.64
			1	49	21.74	21.77	21.58
			25	0	20.66	20.79	20.64
		64QAM	25	12	20.67	20.80	20.64
			25	24	20.66	20.80	20.62
			50	0	20.60	20.72	20.65

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					23060	23095	23130
					704MHz	707.5MHz	711MHz
Band 12	10	QPSK	1	0	23.31	23.21	23.26
			1	24	23.34	23.28	23.29
			1	49	23.29	23.28	23.24
			25	0	22.29	22.26	22.24
			25	12	22.31	22.25	22.26
			25	24	22.29	22.26	22.24
		16QAM	50	0	22.33	22.31	22.27
			1	0	22.46	22.41	22.19
			1	24	22.52	22.47	22.22
			1	49	22.48	22.48	22.18
			25	0	21.32	21.34	21.32
			25	12	21.33	21.33	21.37
		64QAM	25	24	21.34	21.33	21.35
			50	0	21.33	21.35	21.31
			1	0	21.33	21.30	21.61
			1	24	21.33	21.36	21.72
			1	49	21.27	21.37	21.67
			25	0	20.33	20.26	20.23
		64QAM	25	12	20.33	20.30	20.27
			25	24	20.33	20.28	20.24
			50	0	20.34	20.28	20.26

ANT 5

NR n5 part ant 5 Full Power

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					165800	167300	168800
					829MHz	836.5MHz	844MHz
n5	30	10	12@6	DFT_BPSK	23.57	23.59	23.61
			1@1	DFT_BPSK	23.51	23.61	23.51
			1@22	DFT_BPSK	23.51	23.51	23.54
			12@6	DFT_QPSK	23.55	23.58	23.53
			1@1	DFT_QPSK	23.38	23.44	23.46
			1@22	DFT_QPSK	23.48	23.36	23.42
			12@6	DFT_QAM16	22.52	22.66	22.59
			1@1	DFT_QAM16	22.53	22.64	22.68
			1@22	DFT_QAM16	22.76	22.63	22.65
			12@6	DFT_QAM64	21.16	21.18	21.12
			1@1	DFT_QAM64	20.92	21.09	21.12
			1@22	DFT_QAM64	21.03	20.94	21.24
			12@6	DFT_QAM256	19.24	19.21	19.15
			1@1	DFT_QAM256	19.38	19.18	19.46
			1@22	DFT_QAM256	19.03	19.44	19.41
			12@6	CP_QPSK	21.95	22.06	21.95
			1@1	CP_QPSK	22.03	22.16	21.95
			1@22	CP_QPSK	22.19	22.00	21.99
			12@6	CP_QAM16	21.66	21.79	21.73
			1@1	CP_QAM16	21.70	21.72	21.62
			1@22	CP_QAM16	21.93	21.95	21.83
			12@6	CP_QAM64	20.08	20.04	20.08
			1@1	CP_QAM64	20.16	19.94	20.19
			1@22	CP_QAM64	20.16	19.91	20.11
			12@6	CP_QAM256	17.01	17.03	17.05
			1@1	CP_QAM256	17.04	17.19	17.07
			1@22	CP_QAM256	16.90	17.12	16.83

NR n12 part ant 5 Full Power

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					140800	141500	142200
					704MHz	707.5MHz	711MHz
n12	30	10	12@6	DFT_BPSK	23.83	23.89	23.78
			1@1	DFT_BPSK	23.82	23.73	23.77
			1@22	DFT_BPSK	23.83	23.64	23.77
			12@6	DFT_QPSK	23.86	23.83	23.77
			1@1	DFT_QPSK	23.73	23.65	23.70
			1@22	DFT_QPSK	23.75	23.57	23.65
			12@6	DFT_QAM16	22.73	22.79	22.88
			1@1	DFT_QAM16	22.99	22.81	22.85
			1@22	DFT_QAM16	23.00	22.85	22.80
			12@6	DFT_QAM64	21.52	21.43	21.51
			1@1	DFT_QAM64	21.23	21.16	21.20
			1@22	DFT_QAM64	21.30	21.32	21.27
			12@6	DFT_QAM256	19.46	19.34	19.35
			1@1	DFT_QAM256	19.76	19.32	19.29
			1@22	DFT_QAM256	19.38	19.56	19.70
			12@6	CP_QPSK	22.33	22.36	22.30
			1@1	CP_QPSK	22.42	22.39	22.37
			1@22	CP_QPSK	22.41	22.34	22.36
			12@6	CP_QAM16	22.00	21.97	22.00
			1@1	CP_QAM16	22.06	22.21	22.19
			1@22	CP_QAM16	22.08	21.83	21.95
			12@6	CP_QAM64	20.25	20.23	20.25
			1@1	CP_QAM64	20.26	20.13	20.13
			1@22	CP_QAM64	20.21	20.15	20.05
			12@6	CP_QAM256	17.28	17.24	17.20
			1@1	CP_QAM256	17.17	17.36	17.31
			1@22	CP_QAM256	17.40	17.31	17.38

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					166300	167300	168300
					831.5MHz	836.5MHz	841.5MHz
n5	30	15	18@9	DFT_BPSK	23.54	23.53	23.57
			1@1	DFT_BPSK	23.40	23.44	23.51
			1@36	DFT_BPSK	23.43	23.36	23.41
			18@9	DFT_QPSK	23.62	23.58	23.59
			1@1	DFT_QPSK	23.35	23.30	23.45
			1@36	DFT_QPSK	23.39	23.33	23.35
			18@9	DFT_QAM16	22.61	22.59	22.56
			1@1	DFT_QAM16	22.47	22.49	22.69
			1@36	DFT_QAM16	22.54	22.53	22.53
			18@9	DFT_QAM64	21.27	21.18	21.26
			1@1	DFT_QAM64	20.87	20.98	20.95
			1@36	DFT_QAM64	21.05	20.87	20.87
			18@9	DFT_QAM256	19.08	19.10	19.00
			1@1	DFT_QAM256	18.97	19.35	19.07
			1@36	DFT_QAM256	19.02	19.37	19.06
			19@9	CP_QPSK	22.05	22.07	22.05
			1@1	CP_QPSK	21.98	21.99	22.09
			1@36	CP_QPSK	21.94	21.85	21.90
			19@9	CP_QAM16	21.65	21.75	21.69
			1@1	CP_QAM16	22.01	21.88	21.72
			1@36	CP_QAM16	22.06	21.61	21.66
			19@9	CP_QAM64	20.09	20.11	20.12
			1@1	CP_QAM64	20.02	19.92	19.89
			1@36	CP_QAM64	20.11	19.92	19.70
			19@9	CP_QAM256	17.07	17.06	17.05
			1@1	CP_QAM256	16.85	17.06	16.89
			1@36	CP_QAM256	16.94	16.77	16.80

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					141300	141500	141700
					706.5MHz	707.5MHz	708.5MHz
n12	30	15	18@9	DFT_BPSK	23.74	23.76	23.77
			1@1	DFT_BPSK	23.61	23.78	23.80
			1@36	DFT_BPSK	23.64	23.64	23.79
			18@9	DFT_QPSK	23.74	23.83	23.82
			1@1	DFT_QPSK	23.62	23.53	23.71
			1@36	DFT_QPSK	23.62	23.59	23.64
			18@9	DFT_QAM16	22.74	22.79	22.74
			1@1	DFT_QAM16	22.76	22.87	22.81
			1@36	DFT_QAM16	22.78	22.80	22.78
			18@9	DFT_QAM64	21.50	21.42	21.53
			1@1	DFT_QAM64	21.07	21.58	21.17
			1@36	DFT_QAM64	21.14	21.53	21.11
			18@9	DFT_QAM256	19.35	19.25	19.28
			1@1	DFT_QAM256	19.22	19.61	19.32
			1@36	DFT_QAM256	19.29	19.19	19.26
			19@9	CP_QPSK	22.24	22.38	22.18
			1@1	CP_QPSK	22.46	22.16	22.55
			1@36	CP_QPSK	22.35	22.13	22.33
			19@9	CP_QAM16	21.87	21.79	21.85
			1@1	CP_QAM16	22.14	22.94	22.24
			1@36	CP_QAM16	22.16	21.94	22.19
			19@9	CP_QAM64	20.30	20.30	20.30
			1@1	CP_QAM64	19.97	20.12	20.03
			1@36	CP_QAM64	20.1	20.14	20.03
			19@9	CP_QAM256	17.28	17.25	17.27
			1@1	CP_QAM256	17.07	17.37	17.13
			1@36	CP_QAM256	17.05	17.10	17.04

NR Band	SCS (KHz)	Bandwidth (MHz)	RB Allocation	Modulation	Average Power (dBm)		
					166800	167300	167800
					834MHz	836.5MHz	839MHz
n5	30	20	25@12	DFT_BPSK	23.57	23.62	23.61
			1@1	DFT_BPSK	23.39	23.36	23.37
			1@49	DFT_BPSK	23.42	23.43	23.48
			25@12	DFT_QPSK	23.58	23.56	23.56
			1@1	DFT_QPSK	23.26	23.32	23.29
			1@49	DFT_QPSK	23.34	23.30	23.29
			25@12	DFT_QAM16	22.62	22.60	22.60
			1@1	DFT_QAM16	22.60	22.47	22.47
			1@49	DFT_QAM16	22.57	22.54	22.44
			25@12	DFT_QAM64	21.12	21.02	21.06
			1@1	DFT_QAM64	20.68	21.15	20.82
			1@49	DFT_QAM64	20.82	20.82	20.78
			25@12	DFT_QAM256	19.12	19.12	19.09
			1@1	DFT_QAM256	18.76	19.20	19.32
			1@49	DFT_QAM256	19.26	19.28	18.91
			25@12	CP_QPSK	22.08	22.11	22.07
			1@1	CP_QPSK	21.81	21.92	21.99
			1@49	CP_QPSK	21.85	21.82	22.01
			25@12	CP_QAM16	21.69	21.68	21.65
			1@1	CP_QAM16	21.56	21.69	21.58
			1@49	CP_QAM16	21.62	21.64	21.67
			25@12	CP_QAM64	20.11	20.04	20.17
			1@1	CP_QAM64	20.01	20.08	19.74
			1@49	CP_QAM64	19.99	19.98	19.83
			25@12	CP_QAM256	17.10	16.97	17.17
			1@1	CP_QAM256	16.68	16.97	16.93
			1@49	CP_QAM256	17.07	17.01	16.76



ANT 9

LTE Band 7 part ant9:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20775	21100	21425
					2002.5MHz	2535MHz	2307.5MHz
Band 7	5	QPSK	1	0	21.99	21.99	21.97
			1	12	22.06	22.00	22.04
			1	24	22.04	21.97	22.07
			12	0	20.85	20.85	20.96
			12	6	20.86	20.82	20.94
			12	11	20.88	20.80	20.94
			25	0	20.88	20.80	20.93
			1	0	21.14	20.84	21.08
			1	12	21.15	20.82	21.15
			1	24	21.18	20.84	21.17
		16QAM	12	0	19.92	19.84	20.01
			12	6	19.87	19.84	20.00
			12	11	19.93	19.82	20.00
			25	0	19.90	19.85	19.90
			1	0	20.48	19.81	20.41
			1	12	20.51	19.82	20.47
		64QAM	1	24	20.47	19.82	20.49
			12	0	18.86	18.82	18.97
			12	6	18.89	18.82	18.97
			12	11	18.86	18.81	18.97
			25	0	18.85	18.78	18.89

LTE Band 41 part ant9:

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)				
					39675	40148	40620	41093	41565
					2498.5MHz	2545.5MHz	2593.0MHz	2640.3MHz	2687.5MHz
Band 41	5	QPSK	1	0	21.43	21.83	22.57	22.08	22.23
			1	12	22.62	22.43	22.59	22.48	22.23
			1	24	22.65	22.43	22.61	22.49	22.21
			12	0	21.38	21.31	21.35	21.32	21.24
			12	6	21.37	21.32	21.34	21.33	21.27
			12	11	21.38	21.32	21.36	21.33	21.25
			25	0	21.43	21.35	21.37	21.36	21.27
			1	0	21.71	21.61	21.70	21.64	21.51
			1	12	21.66	21.58	21.70	21.62	21.50
			1	24	21.72	21.60	21.70	21.63	21.48
		16QAM	12	0	20.38	20.35	20.35	20.35	20.32
			12	6	20.39	20.35	20.33	20.34	20.31
			12	11	20.40	20.34	20.32	20.33	20.28
			25	0	20.42	20.33	20.38	20.35	20.24
			1	0	20.76	20.79	20.70	20.76	20.81
			1	12	20.72	20.77	20.71	20.75	20.81
		64QAM	1	24	20.73	20.77	20.71	20.75	20.80
			12	0	19.32	19.32	19.29	19.31	19.32
			12	6	19.35	19.33	19.30	19.32	19.30
			12	11	19.37	19.34	19.30	19.33	19.31
			25	0	19.39	19.28	19.34	19.30	19.16

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20800	21100	21400
					2505MHz	2535MHz	2565MHz
Band 7	10	QPSK	1	0	21.94	21.77	21.79
			1	24	21.93	21.86	21.88
			1	49	21.92	21.80	21.90
			25	0	20.88	20.86	21.01
			25	12	20.82	20.83	21.00
			25	24	20.84	20.86	21.01
			50	0	20.89	20.86	20.94
			1	0	21.07	20.98	20.75
			1	24	21.09	21.10	20.83
			1	49	21.06	21.04	20.86
		16QAM	25	0	19.83	19.89	20.06
			25	12	19.86	19.86	20.03
			25	24	19.85	19.86	20.07
			50	0	19.83	19.87	19.93
			1	0	19.88	19.81	20.18
			1	24	19.87	19.93	20.26
		64QAM	1	49	19.86	19.90	20.27
			25	0	18.81	18.82	18.93
			25	12	18.80	18.78	18.93
			25	24	18.79	18.78	18.92
			50	0	18.82	18.81	18.86

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)				
					39700	40180	40620	41080	41540
					2501.0MHz	2547.0MHz	2593.0MHz	2639.0MHz	2685.0MHz
Band 41	10	QPSK	1	0	22.40	22.33	22.38	22.35	22.26
			1	24	22.43	22.36	22.44	22.38	22.28
			1	49	22.40	22.31	22.37	22.33	22.21
			25	0	21.33	21.31	21.36	21.33	21.29
			25	12	21.31	21.27	21.35	21.30	21.23
			25	24	21.32	21.28	21.35	21.30	21.24
			50	0	21.40	21.36	21.40	21.37	21.32
			1	0	21.69	21.48	21.69	21.55	21.27
			1	24	21.76	21.52	21.77	21.60	21.27
			1	49	21.71	21.46	21.69	21.54	21.21
		16QAM	25	0	20.37	20.33	20.42	20.36	20.28
			25	12	20.42	20.35	20.40	20.37	20.28
			25	24	20.38	20.33	20.44	20.37	20.28
			50	0	20.35	20.33	20.35	20.33	20.30
			1	0	20.72	20.46	20.71	20.54	20.19
			1	24	20.78	20.51	20.79	20.60	20.23
		64QAM	1	49	20.73	20.44	20.71	20.53	20.15
			25	0	19.28	19.22	19.30	19.24	19.14
			25	12	19.30	19.22	19.31	19.25	19.13
			25	24	19.28	19.23	19.31	19.26	19.18
			50	0	19.37	19.29	19.36	19.31	19.21

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20825	21100	21375
					2507.5MHz	2535MHz	2562.5MHz
Band 7	15	QPSK	1	0	21.91	21.68	21.80
			1	37	21.94	21.84	21.91
			1	74	21.88	21.73	21.80
			36	0	20.78	20.84	20.92
			36	16	20.85	20.84	20.93
			36	35	20.86	20.79	20.94
			75	0	20.87	20.84	20.87
			1	0	21.02	21.04	20.75
			1	37	21.14	21.20	20.89
			1	74	21.03	21.08	20.82
		16QAM	36	0	19.80	19.84	19.90
			36	16	19.80	19.85	19.88
			36	35	19.85	19.84	19.90
			75	0	19.82	19.81	19.91
			1	0	19.83	19.82	20.15
			1	37	19.92	20.05	20.34
		64QAM	1	74	19.82	19.95	20.24
			36	0	18.82	18.77	18.85
			36	16	18.87	18.81	18.87
			36	35	18.86	18.76	18.83
			75	0	18.79	18.83	18.88

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)				
					39725	40173	40620	41068	41515
					2503.5MHz	2548.5MHz	2593.0MHz	2637.8MHz	2682.5MHz
Band 41	15	QPSK	1	0	22.32	22.38	22.32	22.36	22.44
			1	37	22.42	22.47	22.42	22.45	22.52
			1	74	22.29	22.21	22.30	22.24	22.12
			36	0	21.28	21.22	21.33	21.25	21.15
			36	16	21.26	21.23	21.33	21.26	21.20
			36	35	21.28	21.21	21.30	21.24	21.14
			75	0	21.33	21.28	21.32	21.29	21.23
			1	0	21.64	21.48	21.64	21.53	21.31
			1	37	21.72	21.55	21.73	21.61	21.37
			1	74	21.59	21.53	21.65	21.57	21.46
		16QAM	36	0	20.27	20.22	20.37	20.27	20.16
			36	16	20.29	20.24	20.36	20.28	20.19
			36	35	20.30	20.24	20.35	20.27	20.17
			75	0	20.29	20.24	20.30	20.26	20.19
			1	0	20.66	20.62	20.68	20.64	20.57
			1	37	20.76	20.71	20.77	20.73	20.65
		64QAM	1	74	20.66	20.58	20.69	20.62	20.50
			36	0	19.29	19.21	19.28	19.23	19.12
			36	16	19.30	19.24	19.28	19.25	19.18
			36	35	19.23	19.19	19.28	19.22	19.14
			75	0	19.32	19.27	19.29	19.27	19.21

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)		
					20850	21100	21350
					2510MHz	2535MHz	2560MHz
Band 7	20	QPSK	1	0	21.97	21.70	21.61
			1	49	22.08	21.91	21.83
			1	99	21.98	21.79	21.73
			50	0	20.85	20.85	20.91
			50	24	20.81	20.85	20.96
			50	49	20.85	20.86	20.94
			100	0	20.92	20.86	20.85
			1	0	20.89	20.99	20.81
			1	49	21.03	21.23	21.03
			1	99	20.90	21.13	20.95
		16QAM	50	0	19.79	19.86	19.93
			50	24	19.75	19.89	19.93
			50	49	19.77	19.88	19.96
			100	0	19.86	19.84	19.87
			1	0	20.13	19.97	19.67
			1	49	20.26	20.22	19.90
		64QAM	1	99	20.12	20.10	19.82
			50	0	18.74	18.85	18.88
			50	24	18.74	18.82	18.89
			50	49	18.75	18.86	18.87
			100	0	18.80	18.84	18.82

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)				
					39750	40185	40620	41055	41490
					2506.0MHz	2549.5MHz	2593.0MHz	2636.5MHz	2680.0MHz
Band 41	20	QPSK	1	0	22.12	22.10	22.16	22.12	22.08
			1	49	22.29	22.27	22.31	22.28	22.25
			1	99	22.08	22.10	22.18	22.12	22.11
			50	0	21.				



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



LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 2	1.4	QPSK	1	0	22.30	22.40	22.65	22.85
			1	1	22.31	22.41	22.66	22.86
			1	2	22.32	22.42	22.67	22.87
			3	1	22.34	22.44	22.72	22.92
			3	2	22.36	22.46	22.74	22.94
			6	0	21.34	21.60	21.78	21.98
	64QAM	1	0	21.45	21.55	21.80	21.90	
		1	1	21.22	21.32	21.58	21.68	
		3	0	21.22	21.32	21.58	21.68	
		3	1	21.23	21.33	21.59	21.69	
		6	0	20.54	20.54	20.82	20.82	
		6	1	20.55	20.55	20.83	20.83	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 7	5	QPSK	1	0	21.10	21.20	21.45	21.65
			1	1	21.11	21.21	21.46	21.66
			1	2	21.12	21.22	21.47	21.67
			12	0	21.01	21.11	21.37	21.57
			12	1	21.02	21.12	21.38	21.58
			25	0	21.05	21.15	21.40	21.60
	64QAM	1	0	21.15	21.25	21.50	21.60	
		1	1	21.16	21.26	21.51	21.61	
		3	0	20.95	21.05	21.30	21.40	
		3	1	20.96	21.06	21.31	21.41	
		6	0	20.59	20.59	20.87	20.87	
		6	1	20.60	20.60	20.88	20.88	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 41	5	QPSK	1	0	21.40	21.50	21.75	21.95
			1	1	21.41	21.51	21.76	21.96
			1	2	21.42	21.52	21.77	21.97
			12	0	21.30	21.40	21.65	21.85
			12	1	21.31	21.41	21.66	21.86
			25	0	21.35	21.45	21.70	21.90
	64QAM	1	0	21.45	21.55	21.80	21.90	
		1	1	21.46	21.56	21.81	21.91	
		3	0	21.25	21.35	21.60	21.70	
		3	1	21.26	21.36	21.61	21.71	
		6	0	20.90	20.90	21.18	21.18	
		6	1	20.91	20.91	21.19	21.19	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 66	1.4	QPSK	1	0	22.40	22.50	22.75	22.95
			1	1	22.41	22.51	22.76	22.96
			1	2	22.42	22.52	22.77	22.97
			3	1	22.44	22.54	22.82	23.02
			3	2	22.46	22.56	22.84	23.04
			6	0	21.44	21.70	21.88	22.08
	64QAM	1	0	21.55	21.65	21.90	22.00	
		1	1	21.56	21.66	21.91	22.01	
		3	0	21.35	21.45	21.70	21.80	
		3	1	21.36	21.46	21.71	21.81	
		6	0	20.66	20.66	20.94	20.94	
		6	1	20.67	20.67	20.95	20.95	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 2	3	QPSK	1	0	22.40	22.50	22.75	22.95
			1	1	22.41	22.51	22.76	22.96
			1	2	22.42	22.52	22.77	22.97
			3	0	21.37	21.63	21.73	21.93
			3	1	21.38	21.64	21.74	21.94
			6	0	21.38	21.64	21.73	21.93
	64QAM	1	0	21.44	21.54	21.79	21.89	
		1	1	21.45	21.55	21.80	21.90	
		3	0	21.24	21.34	21.59	21.69	
		3	1	21.25	21.35	21.60	21.70	
		6	0	20.52	20.52	20.77	20.77	
		6	1	20.53	20.53	20.78	20.78	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 7	10	QPSK	1	0	22.40	22.50	22.75	22.95
			1	1	22.41	22.51	22.76	22.96
			1	2	22.42	22.52	22.77	22.97
			3	0	21.37	21.63	21.73	21.93
			3	1	21.38	21.64	21.74	21.94
			6	0	21.38	21.64	21.73	21.93
	64QAM	1	0	21.44	21.54	21.79	21.89	
		1	1	21.45	21.55	21.80	21.90	
		3	0	21.24	21.34	21.59	21.69	
		3	1	21.25	21.35	21.60	21.70	
		6	0	20.52	20.52	20.77	20.77	
		6	1	20.53	20.53	20.78	20.78	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 41	10	QPSK	1	0	21.10	21.20	21.45	21.65
			1	1	21.11	21.21	21.46	21.66
			1	2	21.12	21.22	21.47	21.67
			12	0	21.01	21.11	21.37	21.57
			12	1	21.02	21.12	21.38	21.58
			25	0	21.05	21.15	21.40	21.60
	64QAM	1	0	21.15	21.25	21.50	21.60	
		1	1	21.16	21.26	21.51	21.61	
		3	0	20.95	21.05	21.30	21.40	
		3	1	20.96	21.06	21.31	21.41	
		6	0	20.59	20.59	20.87	20.87	
		6	1	20.60	20.60	20.88	20.88	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 66	3	QPSK	1	0	22.40	22.50	22.75	22.95
			1	1	22.41	22.51	22.76	22.96
			1	2	22.42	22.52	22.77	22.97
			3	0	21.37	21.63	21.73	21.93
			3	1	21.38	21.64	21.74	21.94
			6	0	21.38	21.64	21.73	21.93
	64QAM	1	0	21.44	21.54	21.79	21.89	
		1	1	21.45	21.55	21.80	21.90	
		3	0	21.24	21.34	21.59	21.69	
		3	1	21.25	21.35	21.60	21.70	
		6	0	20.52	20.52	20.77	20.77	
		6	1	20.53	20.53	20.78	20.78	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 2	5	QPSK	1	0	22.40	22.50	22.75	22.95
			1	1	22.41	22.51	22.76	22.96
			1	2	22.42	22.52	22.77	22.97
			3	0	21.37	21.63	21.73	21.93
			3	1	21.38	21.64	21.74	21.94
			6	0	21.38	21.64	21.73	21.93
	64QAM	1	0	21.44	21.54	21.79	21.89	
		1	1	21.45	21.55	21.80	21.90	
		3	0	21.24	21.34	21.59	21.69	
		3	1	21.25	21.35	21.60	21.70	
		6	0	20.52	20.52	20.77	20.77	
		6	1	20.53	20.53	20.78	20.78	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 7	15	QPSK	1	0	21.10	21.20	21.45	21.65
			1	1	21.11	21.21	21.46	21.66
			1	2	21.12	21.22	21.47	21.67
			12	0	21.01	21.11	21.37	21.57
			12	1	21.02	21.12	21.38	21.58
			25	0	21.05	21.15	21.40	21.60
	64QAM	1	0	21.15	21.25	21.50	21.60	
		1	1	21.16	21.26	21.51	21.61	
		3	0	20.95	21.05	21.30	21.40	
		3	1	20.96	21.06	21.31	21.41	
		6	0	20.59	20.59	20.87	20.87	
		6	1	20.60	20.60	20.88	20.88	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 41	15	QPSK	1	0	21.40	21.50	21.75	21.95
			1	1	21.41	21.51	21.76	21.96
			1	2	21.42	21.52	21.77	21.97
			12	0	21.30	21.40	21.65	21.85
			12	1	21.31	21.41	21.66	21.86
			25	0	21.35	21.45	21.70	21.90
	64QAM	1	0	21.45	21.55	21.80	21.90	
		1	1	21.46	21.56	21.81	21.91	
		3	0	21.25	21.35	21.60	21.70	
		3	1	21.26	21.36	21.61	21.71	
		6	0	20.90	20.90	21.18	21.18	
		6	1	20.91	20.91	21.19	21.19	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 66	5	QPSK	1	0	22.40	22.50	22.75	22.95
			1	1	22.41	22.51	22.76	22.96
			1	2	22.42	22.52	22.77	22.97
			3	0	21.37	21.63	21.73	21.93
			3	1	21.38	21.64	21.74	21.94
			6	0	21.38	21.64	21.73	21.93
	64QAM	1	0	21.44	21.54	21.79	21.89	
		1	1	21.45	21.55	21.80	21.90	
		3	0	21.24	21.34	21.59	21.69	
		3	1	21.25	21.35	21.60	21.70	
		6	0	20.52	20.52	20.77	20.77	
		6	1	20.53	20.53	20.78	20.78	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 2	10	QPSK	1	0	22.40	22.50	22.75	22.95
			1	1	22.41	22.51	22.76	22.96
			1	2	22.42	22.52	22.77	22.97
			3	0	21.37	21.63	21.73	21.93
			3	1	21.38	21.64	21.74	21.94
			6	0	21.38	21.64	21.73	21.93
	64QAM	1	0	21.44	21.54	21.79	21.89	
		1	1	21.45	21.55	21.80	21.90	
		3	0	21.24	21.34	21.59	21.69	
		3	1	21.25	21.35	21.60	21.70	
		6	0	20.52	20.52	20.77	20.77	
		6	1	20.53	20.53	20.78	20.78	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			
					1500	1800	1920	1980
Band 7	20	QPSK	1	0	21.10	21.20	21.45	21.65
			1	1	21.11	21.21	21.46	21.66
			1	2	21.12	21.22	21.47	21.67
			12	0	21.01	21.11	21.37	21.57
			12	1	21.02	21.12	21.38	21.58
			25	0	21.05	21.15	21.40	21.60
	64QAM	1	0	21.15	21.25	21.50	21.60	
		1	1	21.16	21.26	21.51	21.61	
		3	0	20.95	21.05	21.30	21.40	
		3	1	20.96	21.06	21.31	21.41	
		6	0	20.59	20.59	20.87	20.87	
		6	1	20.60	20.60	20.88	20.88	

LTE Band	Bandwidth (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)			

