

RF Power Output and Effective Isotropic Radiated Power

GSM 850		Maximum Output Power (dBm)			ERP (dBm)		
		Channel 128	Channel 190	Channel 251	Channel 128	Channel 190	Channel 251
		824.2 (MHz)	836.6 (MHz)	848.8 (MHz)	824.2 (MHz)	836.6 (MHz)	848.8 (MHz)
GPRS (GMSK)	1Txslot	32.38	32.34	32.26	27.83	27.79	27.71
	2Txslots	31.62	31.69	31.57	27.07	27.14	27.02
	3Txslots	29.85	29.85	29.85	25.30	25.30	25.30
	4Txslots	28.76	28.79	28.82	24.21	24.24	24.27
EGPRS (8PSK)	1Txslot	26.86	27.14	27.16	22.31	22.59	22.61
	2Txslots	25.64	25.84	25.90	21.09	21.29	21.35
	3Txslots	23.16	23.52	23.32	18.61	18.97	18.77
	4Txslots	21.92	22.05	22.04	17.37	17.50	17.49

GSM 1900		Maximum Output Power (dBm)			EIRP (dBm)		
		Channel 512	Channel 661	Channel 810	Channel 512	Channel 661	Channel 810
		1850.2 (MHz)	1880 (MHz)	1909.8 (MHz)	1850.2 (MHz)	1880 (MHz)	1909.8 (MHz)
GPRS (GMSK)	1TXslot	29.57	29.55	29.44	28.43	28.41	28.30
	2TXslots	28.81	28.82	28.76	27.67	27.68	27.62
	3TXslots	26.92	27.00	26.98	25.78	25.86	25.84
	4TXslots	25.83	25.94	25.98	24.69	24.80	24.84
EGPRS	1TXslot	25.66	25.51	25.25	24.52	24.37	24.11
	2TXslots	24.64	24.58	24.31	23.50	23.44	23.17
	3TXslots	22.53	22.44	22.09	21.39	21.30	20.95
	4TXslots	21.35	21.16	21.02	20.21	20.02	19.88

WCDMA Band V		Maximum Output Power (dBm)			ERP (dBm)		
		Channel 4132	Channel 4183	Channel 4233	Channel 4132	Channel 4183	Channel 4233
		826.4 (MHz)	836.6 (MHz)	846.6 (MHz)	826.4 (MHz)	836.6 (MHz)	846.6 (MHz)
RMC		22.95	22.90	22.95	18.37	18.32	18.37
HSDPA	Sub - Test 1	22.37	22.32	22.37	17.79	17.74	17.79
	Sub - Test 2	22.36	22.31	22.36	17.78	17.73	17.78
	Sub - Test 3	21.85	21.80	21.85	17.27	17.22	17.27
	Sub - Test 4	21.84	21.79	21.84	17.26	17.21	17.26
HSUPA	Sub - Test 1	21.33	21.28	21.33	16.75	16.70	16.75
	Sub - Test 2	19.32	19.27	19.32	14.74	14.69	14.74
	Sub - Test 3	20.30	20.26	20.31	15.72	15.68	15.73
	Sub - Test 4	19.29	19.25	19.30	14.71	14.67	14.72
	Sub - Test 5	22.78	22.74	22.79	18.20	18.16	18.21
DC-HSDPA	Sub - Test 1	22.29	22.26	22.29	17.71	17.68	17.71
	Sub - Test 2	22.28	22.25	22.28	17.70	17.67	17.70
	Sub - Test 3	21.86	21.74	21.79	17.28	17.16	17.21
	Sub - Test 4	21.85	21.73	21.78	17.27	17.15	17.20

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	EIRP (dBm)
Band2	1.4	18607	1	#0	QPSK	22.20	21.16
Band2	1.4	18607	1	#Mid	QPSK	22.31	21.27
Band2	1.4	18607	1	#Max	QPSK	22.24	21.20
Band2	1.4	18607	3	#0	QPSK	22.30	21.26
Band2	1.4	18607	3	#Mid	QPSK	22.33	21.29
Band2	1.4	18607	3	#Max	QPSK	22.31	21.27
Band2	1.4	18607	6	#0	QPSK	21.27	20.23
Band2	1.4	18607	1	#0	16QAM	21.54	20.50
Band2	1.4	18607	1	#Mid	16QAM	21.60	20.56
Band2	1.4	18607	1	#Max	16QAM	21.56	20.52
Band2	1.4	18607	3	#0	16QAM	21.25	20.21
Band2	1.4	18607	3	#Mid	16QAM	21.37	20.33
Band2	1.4	18607	3	#Max	16QAM	21.33	20.29
Band2	1.4	18607	6	#0	16QAM	20.39	19.35
Band2	1.4	18607	1	#0	64QAM	20.48	19.44
Band2	1.4	18607	1	#Mid	64QAM	20.53	19.49
Band2	1.4	18607	1	#Max	64QAM	20.46	19.42
Band2	1.4	18607	3	#0	64QAM	20.46	19.42
Band2	1.4	18607	3	#Mid	64QAM	20.47	19.43
Band2	1.4	18607	3	#Max	64QAM	20.47	19.43
Band2	1.4	18607	6	#0	64QAM	19.37	18.33
Band2	1.4	18900	1	#0	QPSK	22.19	21.15
Band2	1.4	18900	1	#Mid	QPSK	22.29	21.25
Band2	1.4	18900	1	#Max	QPSK	22.22	21.18
Band2	1.4	18900	3	#0	QPSK	22.27	21.23
Band2	1.4	18900	3	#Mid	QPSK	22.32	21.28
Band2	1.4	18900	3	#Max	QPSK	22.29	21.25
Band2	1.4	18900	6	#0	QPSK	21.30	20.26
Band2	1.4	18900	1	#0	16QAM	21.52	20.48
Band2	1.4	18900	1	#Mid	16QAM	21.59	20.55
Band2	1.4	18900	1	#Max	16QAM	21.45	20.41
Band2	1.4	18900	3	#0	16QAM	21.31	20.27
Band2	1.4	18900	3	#Mid	16QAM	21.29	20.25
Band2	1.4	18900	3	#Max	16QAM	21.28	20.24
Band2	1.4	18900	6	#0	16QAM	20.37	19.33
Band2	1.4	18900	1	#0	64QAM	20.35	19.31
Band2	1.4	18900	1	#Mid	64QAM	20.53	19.49
Band2	1.4	18900	1	#Max	64QAM	20.39	19.35
Band2	1.4	18900	3	#0	64QAM	20.42	19.38
Band2	1.4	18900	3	#Mid	64QAM	20.41	19.37

Band2	1.4	18900	3	#Max	64QAM	20.42	19.38
Band2	1.4	18900	6	#0	64QAM	19.30	18.26
Band2	1.4	19193	1	#0	QPSK	22.18	21.14
Band2	1.4	19193	1	#Mid	QPSK	22.33	21.29
Band2	1.4	19193	1	#Max	QPSK	22.15	21.11
Band2	1.4	19193	3	#0	QPSK	22.25	21.21
Band2	1.4	19193	3	#Mid	QPSK	22.23	21.19
Band2	1.4	19193	3	#Max	QPSK	22.20	21.16
Band2	1.4	19193	6	#0	QPSK	21.01	19.97
Band2	1.4	19193	1	#0	16QAM	21.10	20.06
Band2	1.4	19193	1	#Mid	16QAM	21.17	20.13
Band2	1.4	19193	1	#Max	16QAM	21.03	19.99
Band2	1.4	19193	3	#0	16QAM	20.71	19.67
Band2	1.4	19193	3	#Mid	16QAM	20.83	19.79
Band2	1.4	19193	3	#Max	16QAM	20.77	19.73
Band2	1.4	19193	6	#0	16QAM	19.89	18.85
Band2	1.4	19193	1	#0	64QAM	19.98	18.94
Band2	1.4	19193	1	#Mid	64QAM	20.04	19.00
Band2	1.4	19193	1	#Max	64QAM	19.87	18.83
Band2	1.4	19193	3	#0	64QAM	19.92	18.88
Band2	1.4	19193	3	#Mid	64QAM	19.95	18.91
Band2	1.4	19193	3	#Max	64QAM	19.91	18.87
Band2	1.4	19193	6	#0	64QAM	18.82	17.78
Band2	3	18615	1	#0	QPSK	21.96	20.92
Band2	3	18615	1	#Mid	QPSK	21.90	20.86
Band2	3	18615	1	#Max	QPSK	21.85	20.81
Band2	3	18615	8	#0	QPSK	20.90	19.86
Band2	3	18615	8	#Mid	QPSK	20.95	19.91
Band2	3	18615	8	#Max	QPSK	20.91	19.87
Band2	3	18615	15	#0	QPSK	20.89	19.85
Band2	3	18615	1	#0	16QAM	21.16	20.12
Band2	3	18615	1	#Mid	16QAM	21.23	20.19
Band2	3	18615	1	#Max	16QAM	21.17	20.13
Band2	3	18615	8	#0	16QAM	19.98	18.94
Band2	3	18615	8	#Mid	16QAM	20.05	19.01
Band2	3	18615	8	#Max	16QAM	19.96	18.92
Band2	3	18615	15	#0	16QAM	19.89	18.85
Band2	3	18615	1	#0	64QAM	20.01	18.97
Band2	3	18615	1	#Mid	64QAM	20.12	19.08
Band2	3	18615	1	#Max	64QAM	20.11	19.07
Band2	3	18615	8	#0	64QAM	19.14	18.10
Band2	3	18615	8	#Mid	64QAM	19.32	18.28
Band2	3	18615	8	#Max	64QAM	19.39	18.35

Band2	3	18615	15	#0	64QAM	19.41	18.37
Band2	3	18900	1	#0	QPSK	22.20	21.16
Band2	3	18900	1	#Mid	QPSK	21.86	20.82
Band2	3	18900	1	#Max	QPSK	21.86	20.82
Band2	3	18900	8	#0	QPSK	21.18	20.14
Band2	3	18900	8	#Mid	QPSK	21.15	20.11
Band2	3	18900	8	#Max	QPSK	21.15	20.11
Band2	3	18900	15	#0	QPSK	21.02	19.98
Band2	3	18900	1	#0	16QAM	21.17	20.13
Band2	3	18900	1	#Mid	16QAM	21.18	20.14
Band2	3	18900	1	#Max	16QAM	21.12	20.08
Band2	3	18900	8	#0	16QAM	19.95	18.91
Band2	3	18900	8	#Mid	16QAM	20.00	18.96
Band2	3	18900	8	#Max	16QAM	20.02	18.98
Band2	3	18900	15	#0	16QAM	20.04	19.00
Band2	3	18900	1	#0	64QAM	20.23	19.19
Band2	3	18900	1	#Mid	64QAM	20.13	19.09
Band2	3	18900	1	#Max	64QAM	20.17	19.13
Band2	3	18900	8	#0	64QAM	19.19	18.15
Band2	3	18900	8	#Mid	64QAM	19.05	18.01
Band2	3	18900	8	#Max	64QAM	19.32	18.28
Band2	3	18900	15	#0	64QAM	19.05	18.01
Band2	3	19185	1	#0	QPSK	21.80	20.76
Band2	3	19185	1	#Mid	QPSK	21.81	20.77
Band2	3	19185	1	#Max	QPSK	21.79	20.75
Band2	3	19185	8	#0	QPSK	20.84	19.80
Band2	3	19185	8	#Mid	QPSK	20.86	19.82
Band2	3	19185	8	#Max	QPSK	20.83	19.79
Band2	3	19185	15	#0	QPSK	20.85	19.81
Band2	3	19185	1	#0	16QAM	21.17	20.13
Band2	3	19185	1	#Mid	16QAM	21.05	20.01
Band2	3	19185	1	#Max	16QAM	21.07	20.03
Band2	3	19185	8	#0	16QAM	19.95	18.91
Band2	3	19185	8	#Mid	16QAM	19.96	18.92
Band2	3	19185	8	#Max	16QAM	19.91	18.87
Band2	3	19185	15	#0	16QAM	19.87	18.83
Band2	3	19185	1	#0	64QAM	20.03	18.99
Band2	3	19185	1	#Mid	64QAM	19.98	18.94
Band2	3	19185	1	#Max	64QAM	20.03	18.99
Band2	3	19185	8	#0	64QAM	18.89	17.85
Band2	3	19185	8	#Mid	64QAM	18.95	17.91
Band2	3	19185	8	#Max	64QAM	18.92	17.88
Band2	3	19185	15	#0	64QAM	18.85	17.81

Band2	5	18625	1	#0	QPSK	21.75	20.71
Band2	5	18625	1	#Mid	QPSK	21.87	20.83
Band2	5	18625	1	#Max	QPSK	21.75	20.71
Band2	5	18625	12	#0	QPSK	20.88	19.84
Band2	5	18625	12	#Mid	QPSK	20.91	19.87
Band2	5	18625	12	#Max	QPSK	20.85	19.81
Band2	5	18625	25	#0	QPSK	20.87	19.83
Band2	5	18625	1	#0	16QAM	21.02	19.98
Band2	5	18625	1	#Mid	16QAM	21.19	20.15
Band2	5	18625	1	#Max	16QAM	21.02	19.98
Band2	5	18625	12	#0	16QAM	19.87	18.83
Band2	5	18625	12	#Mid	16QAM	19.94	18.90
Band2	5	18625	12	#Max	16QAM	19.86	18.82
Band2	5	18625	25	#0	16QAM	19.89	18.85
Band2	5	18625	1	#0	64QAM	19.93	18.89
Band2	5	18625	1	#Mid	64QAM	20.04	19.00
Band2	5	18625	1	#Max	64QAM	19.98	18.94
Band2	5	18625	12	#0	64QAM	18.89	17.85
Band2	5	18625	12	#Mid	64QAM	18.95	17.91
Band2	5	18625	12	#Max	64QAM	18.86	17.82
Band2	5	18625	25	#0	64QAM	18.87	17.83
Band2	5	18900	1	#0	QPSK	21.74	20.70
Band2	5	18900	1	#Mid	QPSK	21.84	20.80
Band2	5	18900	1	#Max	QPSK	21.74	20.70
Band2	5	18900	12	#0	QPSK	20.87	19.83
Band2	5	18900	12	#Mid	QPSK	20.92	19.88
Band2	5	18900	12	#Max	QPSK	20.85	19.81
Band2	5	18900	25	#0	QPSK	20.86	19.82
Band2	5	18900	1	#0	16QAM	21.09	20.05
Band2	5	18900	1	#Mid	16QAM	21.19	20.15
Band2	5	18900	1	#Max	16QAM	21.05	20.01
Band2	5	18900	12	#0	16QAM	19.86	18.82
Band2	5	18900	12	#Mid	16QAM	19.91	18.87
Band2	5	18900	12	#Max	16QAM	19.82	18.78
Band2	5	18900	25	#0	16QAM	19.87	18.83
Band2	5	18900	1	#0	64QAM	19.94	18.90
Band2	5	18900	1	#Mid	64QAM	20.05	19.01
Band2	5	18900	1	#Max	64QAM	19.86	18.82
Band2	5	18900	12	#0	64QAM	18.89	17.85
Band2	5	18900	12	#Mid	64QAM	18.98	17.94
Band2	5	18900	12	#Max	64QAM	18.89	17.85
Band2	5	18900	25	#0	64QAM	18.89	17.85
Band2	5	19175	1	#0	QPSK	21.72	20.68

Band2	5	19175	1	#Mid	QPSK	21.83	20.79
Band2	5	19175	1	#Max	QPSK	21.67	20.63
Band2	5	19175	12	#0	QPSK	20.85	19.81
Band2	5	19175	12	#Mid	QPSK	20.91	19.87
Band2	5	19175	12	#Max	QPSK	20.83	19.79
Band2	5	19175	25	#0	QPSK	20.86	19.82
Band2	5	19175	1	#0	16QAM	21.05	20.01
Band2	5	19175	1	#Mid	16QAM	21.12	20.08
Band2	5	19175	1	#Max	16QAM	20.93	19.89
Band2	5	19175	12	#0	16QAM	19.87	18.83
Band2	5	19175	12	#Mid	16QAM	19.92	18.88
Band2	5	19175	12	#Max	16QAM	19.82	18.78
Band2	5	19175	25	#0	16QAM	19.89	18.85
Band2	5	19175	1	#0	64QAM	19.96	18.92
Band2	5	19175	1	#Mid	64QAM	20.05	19.01
Band2	5	19175	1	#Max	64QAM	19.93	18.89
Band2	5	19175	12	#0	64QAM	18.91	17.87
Band2	5	19175	12	#Mid	64QAM	18.95	17.91
Band2	5	19175	12	#Max	64QAM	18.91	17.87
Band2	5	19175	25	#0	64QAM	18.91	17.87
Band2	10	18650	1	#0	QPSK	21.82	20.78
Band2	10	18650	1	#Mid	QPSK	22.00	20.96
Band2	10	18650	1	#Max	QPSK	21.77	20.73
Band2	10	18650	25	#0	QPSK	20.92	19.88
Band2	10	18650	25	#Mid	QPSK	20.90	19.86
Band2	10	18650	25	#Max	QPSK	20.87	19.83
Band2	10	18650	50	#0	QPSK	20.91	19.87
Band2	10	18650	1	#0	16QAM	21.13	20.09
Band2	10	18650	1	#Mid	16QAM	21.26	20.22
Band2	10	18650	1	#Max	16QAM	21.05	20.01
Band2	10	18650	25	#0	16QAM	19.96	18.92
Band2	10	18650	25	#Mid	16QAM	19.94	18.90
Band2	10	18650	25	#Max	16QAM	19.91	18.87
Band2	10	18650	50	#0	16QAM	19.92	18.88
Band2	10	18650	1	#0	64QAM	19.98	18.94
Band2	10	18650	1	#Mid	64QAM	20.20	19.16
Band2	10	18650	1	#Max	64QAM	19.95	18.91
Band2	10	18650	25	#0	64QAM	18.94	17.90
Band2	10	18650	25	#Mid	64QAM	18.94	17.90
Band2	10	18650	25	#Max	64QAM	18.89	17.85
Band2	10	18650	50	#0	64QAM	18.86	17.82
Band2	10	18900	1	#0	QPSK	21.79	20.75
Band2	10	18900	1	#Mid	QPSK	21.95	20.91

Band2	10	18900	1	#Max	QPSK	21.75	20.71
Band2	10	18900	25	#0	QPSK	20.84	19.80
Band2	10	18900	25	#Mid	QPSK	20.93	19.89
Band2	10	18900	25	#Max	QPSK	20.84	19.80
Band2	10	18900	50	#0	QPSK	20.82	19.78
Band2	10	18900	1	#0	16QAM	21.04	20.00
Band2	10	18900	1	#Mid	16QAM	21.25	20.21
Band2	10	18900	1	#Max	16QAM	21.02	19.98
Band2	10	18900	25	#0	16QAM	19.84	18.80
Band2	10	18900	25	#Mid	16QAM	19.95	18.91
Band2	10	18900	25	#Max	16QAM	19.87	18.83
Band2	10	18900	50	#0	16QAM	19.82	18.78
Band2	10	18900	1	#0	64QAM	19.98	18.94
Band2	10	18900	1	#Mid	64QAM	20.19	19.15
Band2	10	18900	1	#Max	64QAM	19.95	18.91
Band2	10	18900	25	#0	64QAM	18.89	17.85
Band2	10	18900	25	#Mid	64QAM	18.97	17.93
Band2	10	18900	25	#Max	64QAM	18.88	17.84
Band2	10	18900	50	#0	64QAM	18.88	17.84
Band2	10	19150	1	#0	QPSK	21.68	20.64
Band2	10	19150	1	#Mid	QPSK	21.82	20.78
Band2	10	19150	1	#Max	QPSK	21.64	20.60
Band2	10	19150	25	#0	QPSK	20.86	19.82
Band2	10	19150	25	#Mid	QPSK	20.77	19.73
Band2	10	19150	25	#Max	QPSK	20.75	19.71
Band2	10	19150	50	#0	QPSK	20.79	19.75
Band2	10	19150	1	#0	16QAM	21.04	20.00
Band2	10	19150	1	#Mid	16QAM	21.20	20.16
Band2	10	19150	1	#Max	16QAM	20.95	19.91
Band2	10	19150	25	#0	16QAM	19.89	18.85
Band2	10	19150	25	#Mid	16QAM	19.82	18.78
Band2	10	19150	25	#Max	16QAM	19.77	18.73
Band2	10	19150	50	#0	16QAM	19.82	18.78
Band2	10	19150	1	#0	64QAM	19.95	18.91
Band2	10	19150	1	#Mid	64QAM	20.03	18.99
Band2	10	19150	1	#Max	64QAM	19.82	18.78
Band2	10	19150	25	#0	64QAM	18.92	17.88
Band2	10	19150	25	#Mid	64QAM	18.84	17.80
Band2	10	19150	25	#Max	64QAM	18.79	17.75
Band2	10	19150	50	#0	64QAM	18.82	17.78
Band2	15	18675	1	#0	QPSK	21.73	20.69
Band2	15	18675	1	#Mid	QPSK	21.87	20.83
Band2	15	18675	1	#Max	QPSK	21.69	20.65

Band2	15	18675	36	#0	QPSK	20.91	19.87
Band2	15	18675	36	#Mid	QPSK	20.90	19.86
Band2	15	18675	36	#Max	QPSK	20.84	19.80
Band2	15	18675	75	#0	QPSK	20.87	19.83
Band2	15	18675	1	#0	16QAM	20.99	19.95
Band2	15	18675	1	#Mid	16QAM	21.09	20.05
Band2	15	18675	1	#Max	16QAM	21.00	19.96
Band2	15	18675	36	#0	16QAM	19.91	18.87
Band2	15	18675	36	#Mid	16QAM	19.89	18.85
Band2	15	18675	36	#Max	16QAM	19.85	18.81
Band2	15	18675	75	#0	16QAM	19.89	18.85
Band2	15	18675	1	#0	64QAM	19.98	18.94
Band2	15	18675	1	#Mid	64QAM	20.04	19.00
Band2	15	18675	1	#Max	64QAM	19.82	18.78
Band2	15	18675	36	#0	64QAM	18.94	17.90
Band2	15	18675	36	#Mid	64QAM	18.93	17.89
Band2	15	18675	36	#Max	64QAM	18.87	17.83
Band2	15	18675	75	#0	64QAM	18.87	17.83
Band2	15	18900	1	#0	QPSK	21.69	20.65
Band2	15	18900	1	#Mid	QPSK	21.84	20.80
Band2	15	18900	1	#Max	QPSK	21.65	20.61
Band2	15	18900	36	#0	QPSK	20.82	19.78
Band2	15	18900	36	#Mid	QPSK	20.90	19.86
Band2	15	18900	36	#Max	QPSK	20.84	19.80
Band2	15	18900	75	#0	QPSK	20.85	19.81
Band2	15	18900	1	#0	16QAM	21.00	19.96
Band2	15	18900	1	#Mid	16QAM	21.22	20.18
Band2	15	18900	1	#Max	16QAM	21.00	19.96
Band2	15	18900	36	#0	16QAM	19.82	18.78
Band2	15	18900	36	#Mid	16QAM	19.89	18.85
Band2	15	18900	36	#Max	16QAM	19.82	18.78
Band2	15	18900	75	#0	16QAM	19.86	18.82
Band2	15	18900	1	#0	64QAM	19.95	18.91
Band2	15	18900	1	#Mid	64QAM	20.04	19.00
Band2	15	18900	1	#Max	64QAM	19.85	18.81
Band2	15	18900	36	#0	64QAM	18.87	17.83
Band2	15	18900	36	#Mid	64QAM	18.95	17.91
Band2	15	18900	36	#Max	64QAM	18.88	17.84
Band2	15	18900	75	#0	64QAM	18.87	17.83
Band2	15	19125	1	#0	QPSK	21.60	20.56
Band2	15	19125	1	#Mid	QPSK	21.76	20.72
Band2	15	19125	1	#Max	QPSK	21.56	20.52
Band2	15	19125	36	#0	QPSK	20.87	19.83

Band2	15	19125	36	#Mid	QPSK	20.79	19.75
Band2	15	19125	36	#Max	QPSK	20.71	19.67
Band2	15	19125	75	#0	QPSK	20.79	19.75
Band2	15	19125	1	#0	16QAM	20.91	19.87
Band2	15	19125	1	#Mid	16QAM	20.96	19.92
Band2	15	19125	1	#Max	16QAM	20.93	19.89
Band2	15	19125	36	#0	16QAM	19.89	18.85
Band2	15	19125	36	#Mid	16QAM	19.79	18.75
Band2	15	19125	36	#Max	16QAM	19.71	18.67
Band2	15	19125	75	#0	16QAM	19.82	18.78
Band2	15	19125	1	#0	64QAM	19.80	18.76
Band2	15	19125	1	#Mid	64QAM	19.91	18.87
Band2	15	19125	1	#Max	64QAM	19.75	18.71
Band2	15	19125	36	#0	64QAM	18.91	17.87
Band2	15	19125	36	#Mid	64QAM	18.84	17.80
Band2	15	19125	36	#Max	64QAM	18.77	17.73
Band2	15	19125	75	#0	64QAM	18.82	17.78
Band2	20	18700	1	#0	QPSK	21.56	20.52
Band2	20	18700	1	#Mid	QPSK	21.96	20.92
Band2	20	18700	1	#Max	QPSK	21.48	20.44
Band2	20	18700	50	#0	QPSK	20.91	19.87
Band2	20	18700	50	#Mid	QPSK	20.87	19.83
Band2	20	18700	50	#Max	QPSK	20.86	19.82
Band2	20	18700	100	#0	QPSK	20.89	19.85
Band2	20	18700	1	#0	16QAM	20.87	19.83
Band2	20	18700	1	#Mid	16QAM	21.15	20.11
Band2	20	18700	1	#Max	16QAM	20.73	19.69
Band2	20	18700	50	#0	16QAM	19.95	18.91
Band2	20	18700	50	#Mid	16QAM	19.92	18.88
Band2	20	18700	50	#Max	16QAM	19.89	18.85
Band2	20	18700	100	#0	16QAM	19.89	18.85
Band2	20	18700	1	#0	64QAM	19.71	18.67
Band2	20	18700	1	#Mid	64QAM	20.21	19.17
Band2	20	18700	1	#Max	64QAM	19.64	18.60
Band2	20	18700	50	#0	64QAM	18.96	17.92
Band2	20	18700	50	#Mid	64QAM	18.91	17.87
Band2	20	18700	50	#Max	64QAM	18.91	17.87
Band2	20	18700	100	#0	64QAM	18.95	17.91
Band2	20	18900	1	#0	QPSK	21.54	20.50
Band2	20	18900	1	#Mid	QPSK	21.93	20.89
Band2	20	18900	1	#Max	QPSK	21.47	20.43
Band2	20	18900	50	#0	QPSK	20.77	19.73
Band2	20	18900	50	#Mid	QPSK	20.89	19.85

Band2	20	18900	50	#Max	QPSK	20.84	19.80
Band2	20	18900	100	#0	QPSK	20.79	19.75
Band2	20	18900	1	#0	16QAM	20.92	19.88
Band2	20	18900	1	#Mid	16QAM	21.25	20.21
Band2	20	18900	1	#Max	16QAM	20.72	19.68
Band2	20	18900	50	#0	16QAM	19.80	18.76
Band2	20	18900	50	#Mid	16QAM	19.88	18.84
Band2	20	18900	50	#Max	16QAM	19.82	18.78
Band2	20	18900	100	#0	16QAM	19.78	18.74
Band2	20	18900	1	#0	64QAM	19.71	18.67
Band2	20	18900	1	#Mid	64QAM	20.10	19.06
Band2	20	18900	1	#Max	64QAM	19.64	18.60
Band2	20	18900	50	#0	64QAM	18.85	17.81
Band2	20	18900	50	#Mid	64QAM	18.93	17.89
Band2	20	18900	50	#Max	64QAM	18.84	17.80
Band2	20	18900	100	#0	64QAM	18.82	17.78
Band2	20	19100	1	#0	QPSK	21.48	20.44
Band2	20	19100	1	#Mid	QPSK	21.85	20.81
Band2	20	19100	1	#Max	QPSK	21.44	20.40
Band2	20	19100	50	#0	QPSK	20.93	19.89
Band2	20	19100	50	#Mid	QPSK	20.81	19.77
Band2	20	19100	50	#Max	QPSK	20.56	19.52
Band2	20	19100	100	#0	QPSK	20.79	19.75
Band2	20	19100	1	#0	16QAM	20.82	19.78
Band2	20	19100	1	#Mid	16QAM	21.26	20.22
Band2	20	19100	1	#Max	16QAM	20.66	19.62
Band2	20	19100	50	#0	16QAM	19.94	18.90
Band2	20	19100	50	#Mid	16QAM	19.84	18.80
Band2	20	19100	50	#Max	16QAM	19.59	18.55
Band2	20	19100	100	#0	16QAM	19.82	18.78
Band2	20	19100	1	#0	64QAM	19.63	18.59
Band2	20	19100	1	#Mid	64QAM	20.05	19.01
Band2	20	19100	1	#Max	64QAM	19.66	18.62
Band2	20	19100	50	#0	64QAM	18.96	17.92
Band2	20	19100	50	#Mid	64QAM	18.85	17.81
Band2	20	19100	50	#Max	64QAM	18.63	17.59
Band2	20	19100	100	#0	64QAM	18.82	17.78

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)
Band5	1.4	20407	1	#0	QPSK	22.37	17.79
Band5	1.4	20407	1	#Mid	QPSK	22.49	17.91
Band5	1.4	20407	1	#Max	QPSK	22.42	17.84
Band5	1.4	20407	3	#0	QPSK	22.46	17.88
Band5	1.4	20407	3	#Mid	QPSK	22.50	17.92
Band5	1.4	20407	3	#Max	QPSK	22.47	17.89
Band5	1.4	20407	6	#0	QPSK	21.48	16.90
Band5	1.4	20407	1	#0	16QAM	21.63	17.05
Band5	1.4	20407	1	#Mid	16QAM	21.72	17.14
Band5	1.4	20407	1	#Max	16QAM	21.67	17.09
Band5	1.4	20407	3	#0	16QAM	21.43	16.85
Band5	1.4	20407	3	#Mid	16QAM	21.45	16.87
Band5	1.4	20407	3	#Max	16QAM	21.40	16.82
Band5	1.4	20407	6	#0	16QAM	20.61	16.03
Band5	1.4	20407	1	#0	64QAM	20.60	16.02
Band5	1.4	20407	1	#Mid	64QAM	20.71	16.13
Band5	1.4	20407	1	#Max	64QAM	20.60	16.02
Band5	1.4	20407	3	#0	64QAM	20.54	15.96
Band5	1.4	20407	3	#Mid	64QAM	20.61	16.03
Band5	1.4	20407	3	#Max	64QAM	20.59	16.01
Band5	1.4	20407	6	#0	64QAM	19.52	14.94
Band5	1.4	20525	1	#0	QPSK	22.47	17.89
Band5	1.4	20525	1	#Mid	QPSK	22.60	18.02
Band5	1.4	20525	1	#Max	QPSK	22.45	17.87
Band5	1.4	20525	3	#0	QPSK	22.58	18.00
Band5	1.4	20525	3	#Mid	QPSK	22.58	18.00
Band5	1.4	20525	3	#Max	QPSK	22.56	17.98
Band5	1.4	20525	6	#0	QPSK	21.57	16.99
Band5	1.4	20525	1	#0	16QAM	21.70	17.12
Band5	1.4	20525	1	#Mid	16QAM	21.86	17.28
Band5	1.4	20525	1	#Max	16QAM	21.76	17.18
Band5	1.4	20525	3	#0	16QAM	21.53	16.95
Band5	1.4	20525	3	#Mid	16QAM	21.62	17.04
Band5	1.4	20525	3	#Max	16QAM	21.58	17.00
Band5	1.4	20525	6	#0	16QAM	20.66	16.08
Band5	1.4	20525	1	#0	64QAM	20.71	16.13
Band5	1.4	20525	1	#Mid	64QAM	20.86	16.28
Band5	1.4	20525	1	#Max	64QAM	20.64	16.06
Band5	1.4	20525	3	#0	64QAM	20.63	16.05
Band5	1.4	20525	3	#Mid	64QAM	20.66	16.08
Band5	1.4	20525	3	#Max	64QAM	20.65	16.07

Band5	1.4	20525	6	#0	64QAM	19.55	14.97
Band5	1.4	20643	1	#0	QPSK	22.50	17.92
Band5	1.4	20643	1	#Mid	QPSK	22.59	18.01
Band5	1.4	20643	1	#Max	QPSK	22.50	17.92
Band5	1.4	20643	3	#0	QPSK	22.58	18.00
Band5	1.4	20643	3	#Mid	QPSK	22.58	18.00
Band5	1.4	20643	3	#Max	QPSK	22.57	17.99
Band5	1.4	20643	6	#0	QPSK	21.57	16.99
Band5	1.4	20643	1	#0	16QAM	21.85	17.27
Band5	1.4	20643	1	#Mid	16QAM	21.77	17.19
Band5	1.4	20643	1	#Max	16QAM	21.78	17.20
Band5	1.4	20643	3	#0	16QAM	21.56	16.98
Band5	1.4	20643	3	#Mid	16QAM	21.62	17.04
Band5	1.4	20643	3	#Max	16QAM	21.61	17.03
Band5	1.4	20643	6	#0	16QAM	20.68	16.10
Band5	1.4	20643	1	#0	64QAM	20.71	16.13
Band5	1.4	20643	1	#Mid	64QAM	20.80	16.22
Band5	1.4	20643	1	#Max	64QAM	20.67	16.09
Band5	1.4	20643	3	#0	64QAM	20.62	16.04
Band5	1.4	20643	3	#Mid	64QAM	20.73	16.15
Band5	1.4	20643	3	#Max	64QAM	20.70	16.12
Band5	1.4	20643	6	#0	64QAM	19.60	15.02
Band5	3	20415	1	#0	QPSK	22.53	17.95
Band5	3	20415	1	#Mid	QPSK	22.54	17.96
Band5	3	20415	1	#Max	QPSK	22.57	17.99
Band5	3	20415	8	#0	QPSK	21.57	16.99
Band5	3	20415	8	#Mid	QPSK	21.65	17.07
Band5	3	20415	8	#Max	QPSK	21.59	17.01
Band5	3	20415	15	#0	QPSK	21.57	16.99
Band5	3	20415	1	#0	16QAM	21.78	17.20
Band5	3	20415	1	#Mid	16QAM	21.85	17.27
Band5	3	20415	1	#Max	16QAM	21.87	17.29
Band5	3	20415	8	#0	16QAM	20.66	16.08
Band5	3	20415	8	#Mid	16QAM	20.69	16.11
Band5	3	20415	8	#Max	16QAM	20.67	16.09
Band5	3	20415	15	#0	16QAM	20.59	16.01
Band5	3	20415	1	#0	64QAM	20.66	16.08
Band5	3	20415	1	#Mid	64QAM	20.79	16.21
Band5	3	20415	1	#Max	64QAM	20.79	16.21
Band5	3	20415	8	#0	64QAM	19.66	15.08
Band5	3	20415	8	#Mid	64QAM	19.70	15.12
Band5	3	20415	8	#Max	64QAM	19.66	15.08
Band5	3	20415	15	#0	64QAM	19.59	15.01

Band5	3	20525	1	#0	QPSK	22.63	18.05
Band5	3	20525	1	#Mid	QPSK	22.60	18.02
Band5	3	20525	1	#Max	QPSK	22.62	18.04
Band5	3	20525	8	#0	QPSK	21.64	17.06
Band5	3	20525	8	#Mid	QPSK	21.70	17.12
Band5	3	20525	8	#Max	QPSK	21.68	17.10
Band5	3	20525	15	#0	QPSK	21.64	17.06
Band5	3	20525	1	#0	16QAM	21.88	17.30
Band5	3	20525	1	#Mid	16QAM	21.87	17.29
Band5	3	20525	1	#Max	16QAM	21.94	17.36
Band5	3	20525	8	#0	16QAM	20.68	16.10
Band5	3	20525	8	#Mid	16QAM	20.78	16.20
Band5	3	20525	8	#Max	16QAM	20.74	16.16
Band5	3	20525	15	#0	16QAM	20.66	16.08
Band5	3	20525	1	#0	64QAM	20.79	16.21
Band5	3	20525	1	#Mid	64QAM	20.86	16.28
Band5	3	20525	1	#Max	64QAM	20.87	16.29
Band5	3	20525	8	#0	64QAM	19.71	15.13
Band5	3	20525	8	#Mid	64QAM	19.75	15.17
Band5	3	20525	8	#Max	64QAM	19.73	15.15
Band5	3	20525	15	#0	64QAM	19.68	15.10
Band5	3	20635	1	#0	QPSK	22.64	18.06
Band5	3	20635	1	#Mid	QPSK	22.65	18.07
Band5	3	20635	1	#Max	QPSK	22.62	18.04
Band5	3	20635	8	#0	QPSK	21.68	17.10
Band5	3	20635	8	#Mid	QPSK	21.71	17.13
Band5	3	20635	8	#Max	QPSK	21.67	17.09
Band5	3	20635	15	#0	QPSK	21.68	17.10
Band5	3	20635	1	#0	16QAM	21.83	17.25
Band5	3	20635	1	#Mid	16QAM	21.96	17.38
Band5	3	20635	1	#Max	16QAM	21.88	17.30
Band5	3	20635	8	#0	16QAM	20.76	16.18
Band5	3	20635	8	#Mid	16QAM	20.77	16.19
Band5	3	20635	8	#Max	16QAM	20.77	16.19
Band5	3	20635	15	#0	16QAM	20.70	16.12
Band5	3	20635	1	#0	64QAM	20.83	16.25
Band5	3	20635	1	#Mid	64QAM	20.84	16.26
Band5	3	20635	1	#Max	64QAM	20.89	16.31
Band5	3	20635	8	#0	64QAM	19.77	15.19
Band5	3	20635	8	#Mid	64QAM	19.73	15.15
Band5	3	20635	8	#Max	64QAM	19.76	15.18
Band5	3	20635	15	#0	64QAM	19.70	15.12
Band5	5	20425	1	#0	QPSK	22.43	17.85

Band5	5	20425	1	#Mid	QPSK	22.61	18.03
Band5	5	20425	1	#Max	QPSK	22.46	17.88
Band5	5	20425	12	#0	QPSK	21.55	16.97
Band5	5	20425	12	#Mid	QPSK	21.69	17.11
Band5	5	20425	12	#Max	QPSK	21.61	17.03
Band5	5	20425	25	#0	QPSK	21.58	17.00
Band5	5	20425	1	#0	16QAM	21.66	17.08
Band5	5	20425	1	#Mid	16QAM	21.81	17.23
Band5	5	20425	1	#Max	16QAM	21.64	17.06
Band5	5	20425	12	#0	16QAM	20.53	15.95
Band5	5	20425	12	#Mid	16QAM	20.68	16.10
Band5	5	20425	12	#Max	16QAM	20.59	16.01
Band5	5	20425	25	#0	16QAM	20.60	16.02
Band5	5	20425	1	#0	64QAM	20.60	16.02
Band5	5	20425	1	#Mid	64QAM	20.75	16.17
Band5	5	20425	1	#Max	64QAM	20.65	16.07
Band5	5	20425	12	#0	64QAM	19.57	14.99
Band5	5	20425	12	#Mid	64QAM	19.71	15.13
Band5	5	20425	12	#Max	64QAM	19.63	15.05
Band5	5	20425	25	#0	64QAM	19.61	15.03
Band5	5	20525	1	#0	QPSK	22.51	17.93
Band5	5	20525	1	#Mid	QPSK	22.65	18.07
Band5	5	20525	1	#Max	QPSK	22.51	17.93
Band5	5	20525	12	#0	QPSK	21.63	17.05
Band5	5	20525	12	#Mid	QPSK	21.72	17.14
Band5	5	20525	12	#Max	QPSK	21.64	17.06
Band5	5	20525	25	#0	QPSK	21.64	17.06
Band5	5	20525	1	#0	16QAM	21.84	17.26
Band5	5	20525	1	#Mid	16QAM	21.87	17.29
Band5	5	20525	1	#Max	16QAM	21.86	17.28
Band5	5	20525	12	#0	16QAM	20.61	16.03
Band5	5	20525	12	#Mid	16QAM	20.73	16.15
Band5	5	20525	12	#Max	16QAM	20.63	16.05
Band5	5	20525	25	#0	16QAM	20.65	16.07
Band5	5	20525	1	#0	64QAM	20.69	16.11
Band5	5	20525	1	#Mid	64QAM	20.77	16.19
Band5	5	20525	1	#Max	64QAM	20.71	16.13
Band5	5	20525	12	#0	64QAM	19.66	15.08
Band5	5	20525	12	#Mid	64QAM	19.77	15.19
Band5	5	20525	12	#Max	64QAM	19.71	15.13
Band5	5	20525	25	#0	64QAM	19.67	15.09
Band5	5	20625	1	#0	QPSK	22.51	17.93
Band5	5	20625	1	#Mid	QPSK	22.68	18.10

Band5	5	20625	1	#Max	QPSK	22.53	17.95
Band5	5	20625	12	#0	QPSK	21.69	17.11
Band5	5	20625	12	#Mid	QPSK	21.73	17.15
Band5	5	20625	12	#Max	QPSK	21.67	17.09
Band5	5	20625	25	#0	QPSK	21.72	17.14
Band5	5	20625	1	#0	16QAM	21.77	17.19
Band5	5	20625	1	#Mid	16QAM	21.97	17.39
Band5	5	20625	1	#Max	16QAM	21.91	17.33
Band5	5	20625	12	#0	16QAM	20.70	16.12
Band5	5	20625	12	#Mid	16QAM	20.70	16.12
Band5	5	20625	12	#Max	16QAM	20.66	16.08
Band5	5	20625	25	#0	16QAM	20.71	16.13
Band5	5	20625	1	#0	64QAM	20.70	16.12
Band5	5	20625	1	#Mid	64QAM	20.90	16.32
Band5	5	20625	1	#Max	64QAM	20.73	16.15
Band5	5	20625	12	#0	64QAM	19.75	15.17
Band5	5	20625	12	#Mid	64QAM	19.77	15.19
Band5	5	20625	12	#Max	64QAM	19.70	15.12
Band5	5	20625	25	#0	64QAM	19.73	15.15
Band5	10	20450	1	#0	QPSK	22.54	17.96
Band5	10	20450	1	#Mid	QPSK	22.66	18.08
Band5	10	20450	1	#Max	QPSK	22.58	18.00
Band5	10	20450	25	#0	QPSK	21.68	17.10
Band5	10	20450	25	#Mid	QPSK	21.62	17.04
Band5	10	20450	25	#Max	QPSK	21.62	17.04
Band5	10	20450	50	#0	QPSK	21.65	17.07
Band5	10	20450	1	#0	16QAM	21.73	17.15
Band5	10	20450	1	#Mid	16QAM	22.04	17.46
Band5	10	20450	1	#Max	16QAM	21.86	17.28
Band5	10	20450	25	#0	16QAM	20.70	16.12
Band5	10	20450	25	#Mid	16QAM	20.68	16.10
Band5	10	20450	25	#Max	16QAM	20.63	16.05
Band5	10	20450	50	#0	16QAM	20.68	16.10
Band5	10	20450	1	#0	64QAM	20.66	16.08
Band5	10	20450	1	#Mid	64QAM	20.86	16.28
Band5	10	20450	1	#Max	64QAM	20.81	16.23
Band5	10	20450	25	#0	64QAM	19.70	15.12
Band5	10	20450	25	#Mid	64QAM	19.66	15.08
Band5	10	20450	25	#Max	64QAM	19.64	15.06
Band5	10	20450	50	#0	64QAM	19.68	15.10
Band5	10	20525	1	#0	QPSK	22.62	18.04
Band5	10	20525	1	#Mid	QPSK	22.71	18.13
Band5	10	20525	1	#Max	QPSK	22.60	18.02

Band5	10	20525	25	#0	QPSK	21.61	17.03
Band5	10	20525	25	#Mid	QPSK	21.68	17.10
Band5	10	20525	25	#Max	QPSK	21.73	17.15
Band5	10	20525	50	#0	QPSK	21.68	17.10
Band5	10	20525	1	#0	16QAM	21.95	17.37
Band5	10	20525	1	#Mid	16QAM	22.06	17.48
Band5	10	20525	1	#Max	16QAM	21.76	17.18
Band5	10	20525	25	#0	16QAM	20.62	16.04
Band5	10	20525	25	#Mid	16QAM	20.69	16.11
Band5	10	20525	25	#Max	16QAM	20.76	16.18
Band5	10	20525	50	#0	16QAM	20.73	16.15
Band5	10	20525	1	#0	64QAM	20.81	16.23
Band5	10	20525	1	#Mid	64QAM	20.94	16.36
Band5	10	20525	1	#Max	64QAM	20.82	16.24
Band5	10	20525	25	#0	64QAM	19.62	15.04
Band5	10	20525	25	#Mid	64QAM	19.71	15.13
Band5	10	20525	25	#Max	64QAM	19.75	15.17
Band5	10	20525	50	#0	64QAM	19.70	15.12
Band5	10	20600	1	#0	QPSK	22.62	18.04
Band5	10	20600	1	#Mid	QPSK	22.69	18.11
Band5	10	20600	1	#Max	QPSK	22.65	18.07
Band5	10	20600	25	#0	QPSK	21.74	17.16
Band5	10	20600	25	#Mid	QPSK	21.72	17.14
Band5	10	20600	25	#Max	QPSK	21.65	17.07
Band5	10	20600	50	#0	QPSK	21.73	17.15
Band5	10	20600	1	#0	16QAM	21.94	17.36
Band5	10	20600	1	#Mid	16QAM	21.87	17.29
Band5	10	20600	1	#Max	16QAM	21.88	17.30
Band5	10	20600	25	#0	16QAM	20.75	16.17
Band5	10	20600	25	#Mid	16QAM	20.70	16.12
Band5	10	20600	25	#Max	16QAM	20.65	16.07
Band5	10	20600	50	#0	16QAM	20.74	16.16
Band5	10	20600	1	#0	64QAM	20.79	16.21
Band5	10	20600	1	#Mid	64QAM	20.84	16.26
Band5	10	20600	1	#Max	64QAM	20.85	16.27
Band5	10	20600	25	#0	64QAM	19.75	15.17
Band5	10	20600	25	#Mid	64QAM	19.73	15.15
Band5	10	20600	25	#Max	64QAM	19.70	15.12
Band5	10	20600	50	#0	64QAM	19.75	15.17

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)
Band7	5	20775	1	#0	QPSK	21.53	22.34
Band7	5	20775	1	#Mid	QPSK	21.58	22.39
Band7	5	20775	1	#Max	QPSK	21.50	22.31
Band7	5	20775	12	#0	QPSK	20.63	21.44
Band7	5	20775	12	#Mid	QPSK	20.67	21.48
Band7	5	20775	12	#Max	QPSK	20.66	21.47
Band7	5	20775	25	#0	QPSK	20.69	21.50
Band7	5	20775	1	#0	16QAM	20.89	21.70
Band7	5	20775	1	#Mid	16QAM	20.98	21.79
Band7	5	20775	1	#Max	16QAM	20.89	21.70
Band7	5	20775	12	#0	16QAM	19.70	20.51
Band7	5	20775	12	#Mid	16QAM	19.75	20.56
Band7	5	20775	12	#Max	16QAM	19.66	20.47
Band7	5	20775	25	#0	16QAM	19.70	20.51
Band7	5	20775	1	#0	64QAM	19.80	20.61
Band7	5	20775	1	#Mid	64QAM	19.85	20.66
Band7	5	20775	1	#Max	64QAM	19.71	20.52
Band7	5	20775	12	#0	64QAM	18.71	19.52
Band7	5	20775	12	#Mid	64QAM	18.75	19.56
Band7	5	20775	12	#Max	64QAM	18.73	19.54
Band7	5	20775	25	#0	64QAM	18.73	19.54
Band7	5	21100	1	#0	QPSK	21.61	22.42
Band7	5	21100	1	#Mid	QPSK	21.70	22.51
Band7	5	21100	1	#Max	QPSK	21.63	22.44
Band7	5	21100	12	#0	QPSK	20.75	21.56
Band7	5	21100	12	#Mid	QPSK	20.76	21.57
Band7	5	21100	12	#Max	QPSK	20.73	21.54
Band7	5	21100	25	#0	QPSK	20.74	21.55
Band7	5	21100	1	#0	16QAM	20.91	21.72
Band7	5	21100	1	#Mid	16QAM	21.08	21.89
Band7	5	21100	1	#Max	16QAM	21.01	21.82
Band7	5	21100	12	#0	16QAM	19.72	20.53
Band7	5	21100	12	#Mid	16QAM	19.73	20.54
Band7	5	21100	12	#Max	16QAM	19.71	20.52
Band7	5	21100	25	#0	16QAM	19.73	20.54
Band7	5	21100	1	#0	64QAM	19.80	20.61
Band7	5	21100	1	#Mid	64QAM	19.97	20.78
Band7	5	21100	1	#Max	64QAM	19.84	20.65
Band7	5	21100	12	#0	64QAM	18.75	19.56
Band7	5	21100	12	#Mid	64QAM	18.76	19.57

Band7	5	21100	12	#Max	64QAM	18.71	19.52
Band7	5	21100	25	#0	64QAM	18.73	19.54
Band7	5	21425	1	#0	QPSK	21.48	22.29
Band7	5	21425	1	#Mid	QPSK	21.55	22.36
Band7	5	21425	1	#Max	QPSK	21.46	22.27
Band7	5	21425	12	#0	QPSK	20.62	21.43
Band7	5	21425	12	#Mid	QPSK	20.63	21.44
Band7	5	21425	12	#Max	QPSK	20.58	21.39
Band7	5	21425	25	#0	QPSK	20.62	21.43
Band7	5	21425	1	#0	16QAM	20.78	21.59
Band7	5	21425	1	#Mid	16QAM	20.90	21.71
Band7	5	21425	1	#Max	16QAM	20.77	21.58
Band7	5	21425	12	#0	16QAM	19.67	20.48
Band7	5	21425	12	#Mid	16QAM	19.62	20.43
Band7	5	21425	12	#Max	16QAM	19.59	20.40
Band7	5	21425	25	#0	16QAM	19.61	20.42
Band7	5	21425	1	#0	64QAM	19.71	20.52
Band7	5	21425	1	#Mid	64QAM	19.80	20.61
Band7	5	21425	1	#Max	64QAM	19.70	20.51
Band7	5	21425	12	#0	64QAM	18.59	19.40
Band7	5	21425	12	#Mid	64QAM	18.64	19.45
Band7	5	21425	12	#Max	64QAM	18.54	19.35
Band7	5	21425	25	#0	64QAM	18.55	19.36
Band7	10	20800	1	#0	QPSK	21.70	22.51
Band7	10	20800	1	#Mid	QPSK	21.77	22.58
Band7	10	20800	1	#Max	QPSK	21.64	22.45
Band7	10	20800	25	#0	QPSK	20.76	21.57
Band7	10	20800	25	#Mid	QPSK	20.75	21.56
Band7	10	20800	25	#Max	QPSK	20.85	21.66
Band7	10	20800	50	#0	QPSK	20.81	21.62
Band7	10	20800	1	#0	16QAM	21.01	21.82
Band7	10	20800	1	#Mid	16QAM	20.97	21.78
Band7	10	20800	1	#Max	16QAM	20.92	21.73
Band7	10	20800	25	#0	16QAM	19.77	20.58
Band7	10	20800	25	#Mid	16QAM	19.76	20.57
Band7	10	20800	25	#Max	16QAM	19.82	20.63
Band7	10	20800	50	#0	16QAM	19.78	20.59
Band7	10	20800	1	#0	64QAM	19.89	20.70
Band7	10	20800	1	#Mid	64QAM	19.89	20.70
Band7	10	20800	1	#Max	64QAM	19.77	20.58
Band7	10	20800	25	#0	64QAM	18.75	19.56
Band7	10	20800	25	#Mid	64QAM	18.75	19.56
Band7	10	20800	25	#Max	64QAM	18.82	19.63

Band7	10	20800	50	#0	64QAM	18.78	19.59
Band7	10	21100	1	#0	QPSK	21.71	22.52
Band7	10	21100	1	#Mid	QPSK	21.83	22.64
Band7	10	21100	1	#Max	QPSK	21.72	22.53
Band7	10	21100	25	#0	QPSK	20.82	21.63
Band7	10	21100	25	#Mid	QPSK	20.81	21.62
Band7	10	21100	25	#Max	QPSK	20.81	21.62
Band7	10	21100	50	#0	QPSK	20.84	21.65
Band7	10	21100	1	#0	16QAM	20.90	21.71
Band7	10	21100	1	#Mid	16QAM	21.16	21.97
Band7	10	21100	1	#Max	16QAM	21.09	21.90
Band7	10	21100	25	#0	16QAM	19.82	20.63
Band7	10	21100	25	#Mid	16QAM	19.80	20.61
Band7	10	21100	25	#Max	16QAM	19.80	20.61
Band7	10	21100	50	#0	16QAM	19.82	20.63
Band7	10	21100	1	#0	64QAM	19.79	20.60
Band7	10	21100	1	#Mid	64QAM	20.04	20.85
Band7	10	21100	1	#Max	64QAM	19.84	20.65
Band7	10	21100	25	#0	64QAM	18.82	19.63
Band7	10	21100	25	#Mid	64QAM	18.79	19.60
Band7	10	21100	25	#Max	64QAM	18.80	19.61
Band7	10	21100	50	#0	64QAM	18.82	19.63
Band7	10	21400	1	#0	QPSK	21.60	22.41
Band7	10	21400	1	#Mid	QPSK	21.63	22.44
Band7	10	21400	1	#Max	QPSK	21.56	22.37
Band7	10	21400	25	#0	QPSK	20.71	21.52
Band7	10	21400	25	#Mid	QPSK	20.67	21.48
Band7	10	21400	25	#Max	QPSK	20.66	21.47
Band7	10	21400	50	#0	QPSK	20.67	21.48
Band7	10	21400	1	#0	16QAM	20.97	21.78
Band7	10	21400	1	#Mid	16QAM	20.98	21.79
Band7	10	21400	1	#Max	16QAM	20.94	21.75
Band7	10	21400	25	#0	16QAM	19.70	20.51
Band7	10	21400	25	#Mid	16QAM	19.66	20.47
Band7	10	21400	25	#Max	16QAM	19.64	20.45
Band7	10	21400	50	#0	16QAM	19.66	20.47
Band7	10	21400	1	#0	64QAM	19.85	20.66
Band7	10	21400	1	#Mid	64QAM	19.88	20.69
Band7	10	21400	1	#Max	64QAM	19.73	20.54
Band7	10	21400	25	#0	64QAM	18.64	19.45
Band7	10	21400	25	#Mid	64QAM	18.67	19.48
Band7	10	21400	25	#Max	64QAM	18.62	19.43
Band7	10	21400	50	#0	64QAM	18.62	19.43

Band7	15	20825	1	#0	QPSK	21.65	22.46
Band7	15	20825	1	#Mid	QPSK	21.71	22.52
Band7	15	20825	1	#Max	QPSK	21.53	22.34
Band7	15	20825	36	#0	QPSK	20.77	21.58
Band7	15	20825	36	#Mid	QPSK	20.77	21.58
Band7	15	20825	36	#Max	QPSK	20.83	21.64
Band7	15	20825	75	#0	QPSK	20.78	21.59
Band7	15	20825	1	#0	16QAM	20.91	21.72
Band7	15	20825	1	#Mid	16QAM	20.98	21.79
Band7	15	20825	1	#Max	16QAM	20.77	21.58
Band7	15	20825	36	#0	16QAM	19.75	20.56
Band7	15	20825	36	#Mid	16QAM	19.73	20.54
Band7	15	20825	36	#Max	16QAM	19.79	20.60
Band7	15	20825	75	#0	16QAM	19.77	20.58
Band7	15	20825	1	#0	64QAM	19.79	20.60
Band7	15	20825	1	#Mid	64QAM	19.87	20.68
Band7	15	20825	1	#Max	64QAM	19.77	20.58
Band7	15	20825	36	#0	64QAM	18.73	19.54
Band7	15	20825	36	#Mid	64QAM	18.75	19.56
Band7	15	20825	36	#Max	64QAM	18.78	19.59
Band7	15	20825	75	#0	64QAM	18.73	19.54
Band7	15	21100	1	#0	QPSK	21.63	22.44
Band7	15	21100	1	#Mid	QPSK	21.81	22.62
Band7	15	21100	1	#Max	QPSK	21.67	22.48
Band7	15	21100	36	#0	QPSK	20.82	21.63
Band7	15	21100	36	#Mid	QPSK	20.83	21.64
Band7	15	21100	36	#Max	QPSK	20.84	21.65
Band7	15	21100	75	#0	QPSK	20.82	21.63
Band7	15	21100	1	#0	16QAM	20.92	21.73
Band7	15	21100	1	#Mid	16QAM	20.99	21.80
Band7	15	21100	1	#Max	16QAM	20.91	21.72
Band7	15	21100	36	#0	16QAM	19.77	20.58
Band7	15	21100	36	#Mid	16QAM	19.80	20.61
Band7	15	21100	36	#Max	16QAM	19.80	20.61
Band7	15	21100	75	#0	16QAM	19.80	20.61
Band7	15	21100	1	#0	64QAM	19.80	20.61
Band7	15	21100	1	#Mid	64QAM	19.98	20.79
Band7	15	21100	1	#Max	64QAM	19.75	20.56
Band7	15	21100	36	#0	64QAM	18.78	19.59
Band7	15	21100	36	#Mid	64QAM	18.82	19.63
Band7	15	21100	36	#Max	64QAM	18.80	19.61
Band7	15	21100	75	#0	64QAM	18.82	19.63
Band7	15	21375	1	#0	QPSK	21.57	22.38

Band7	15	21375	1	#Mid	QPSK	21.66	22.47
Band7	15	21375	1	#Max	QPSK	21.52	22.33
Band7	15	21375	36	#0	QPSK	20.75	21.56
Band7	15	21375	36	#Mid	QPSK	20.72	21.53
Band7	15	21375	36	#Max	QPSK	20.68	21.49
Band7	15	21375	75	#0	QPSK	20.70	21.51
Band7	15	21375	1	#0	16QAM	20.79	21.60
Band7	15	21375	1	#Mid	16QAM	21.01	21.82
Band7	15	21375	1	#Max	16QAM	20.84	21.65
Band7	15	21375	36	#0	16QAM	19.69	20.50
Band7	15	21375	36	#Mid	16QAM	19.68	20.49
Band7	15	21375	36	#Max	16QAM	19.64	20.45
Band7	15	21375	75	#0	16QAM	19.68	20.49
Band7	15	21375	1	#0	64QAM	19.80	20.61
Band7	15	21375	1	#Mid	64QAM	19.85	20.66
Band7	15	21375	1	#Max	64QAM	19.72	20.53
Band7	15	21375	36	#0	64QAM	18.69	19.50
Band7	15	21375	36	#Mid	64QAM	18.70	19.51
Band7	15	21375	36	#Max	64QAM	18.64	19.45
Band7	15	21375	75	#0	64QAM	18.64	19.45
Band7	20	20850	1	#0	QPSK	21.50	22.31
Band7	20	20850	1	#Mid	QPSK	21.76	22.57
Band7	20	20850	1	#Max	QPSK	21.38	22.19
Band7	20	20850	50	#0	QPSK	20.61	21.42
Band7	20	20850	50	#Mid	QPSK	20.78	21.59
Band7	20	20850	50	#Max	QPSK	20.89	21.70
Band7	20	20850	100	#0	QPSK	20.77	21.58
Band7	20	20850	1	#0	16QAM	20.71	21.52
Band7	20	20850	1	#Mid	16QAM	21.00	21.81
Band7	20	20850	1	#Max	16QAM	20.57	21.38
Band7	20	20850	50	#0	16QAM	19.60	20.41
Band7	20	20850	50	#Mid	16QAM	19.78	20.59
Band7	20	20850	50	#Max	16QAM	19.82	20.63
Band7	20	20850	100	#0	16QAM	19.73	20.54
Band7	20	20850	1	#0	64QAM	19.60	20.41
Band7	20	20850	1	#Mid	64QAM	19.91	20.72
Band7	20	20850	1	#Max	64QAM	19.61	20.42
Band7	20	20850	50	#0	64QAM	18.62	19.43
Band7	20	20850	50	#Mid	64QAM	18.77	19.58
Band7	20	20850	50	#Max	64QAM	18.86	19.67
Band7	20	20850	100	#0	64QAM	18.76	19.57
Band7	20	21100	1	#0	QPSK	21.44	22.25
Band7	20	21100	1	#Mid	QPSK	21.85	22.66

Band7	20	21100	1	#Max	QPSK	21.48	22.29
Band7	20	21100	50	#0	QPSK	20.84	21.65
Band7	20	21100	50	#Mid	QPSK	20.82	21.63
Band7	20	21100	50	#Max	QPSK	20.84	21.65
Band7	20	21100	100	#0	QPSK	20.83	21.64
Band7	20	21100	1	#0	16QAM	20.79	21.60
Band7	20	21100	1	#Mid	16QAM	21.20	22.01
Band7	20	21100	1	#Max	16QAM	20.79	21.60
Band7	20	21100	50	#0	16QAM	19.84	20.65
Band7	20	21100	50	#Mid	16QAM	19.80	20.61
Band7	20	21100	50	#Max	16QAM	19.82	20.63
Band7	20	21100	100	#0	16QAM	19.82	20.63
Band7	20	21100	1	#0	64QAM	19.62	20.43
Band7	20	21100	1	#Mid	64QAM	19.98	20.79
Band7	20	21100	1	#Max	64QAM	19.62	20.43
Band7	20	21100	50	#0	64QAM	18.84	19.65
Band7	20	21100	50	#Mid	64QAM	18.84	19.65
Band7	20	21100	50	#Max	64QAM	18.80	19.61
Band7	20	21100	100	#0	64QAM	18.80	19.61
Band7	20	21350	1	#0	QPSK	21.48	22.29
Band7	20	21350	1	#Mid	QPSK	21.79	22.60
Band7	20	21350	1	#Max	QPSK	21.34	22.15
Band7	20	21350	50	#0	QPSK	20.71	21.52
Band7	20	21350	50	#Mid	QPSK	20.74	21.55
Band7	20	21350	50	#Max	QPSK	20.65	21.46
Band7	20	21350	100	#0	QPSK	20.67	21.48
Band7	20	21350	1	#0	16QAM	20.69	21.50
Band7	20	21350	1	#Mid	16QAM	21.07	21.88
Band7	20	21350	1	#Max	16QAM	20.63	21.44
Band7	20	21350	50	#0	16QAM	19.69	20.50
Band7	20	21350	50	#Mid	16QAM	19.73	20.54
Band7	20	21350	50	#Max	16QAM	19.64	20.45
Band7	20	21350	100	#0	16QAM	19.67	20.48
Band7	20	21350	1	#0	64QAM	19.70	20.51
Band7	20	21350	1	#Mid	64QAM	19.98	20.79
Band7	20	21350	1	#Max	64QAM	19.52	20.33
Band7	20	21350	50	#0	64QAM	18.70	19.51
Band7	20	21350	50	#Mid	64QAM	18.73	19.54
Band7	20	21350	50	#Max	64QAM	18.64	19.45
Band7	20	21350	100	#0	64QAM	18.68	19.49

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)
Band38	5	37775	1	#0	QPSK	21.86	22.01
Band38	5	37775	1	#Mid	QPSK	22.08	22.23
Band38	5	37775	1	#Max	QPSK	21.86	22.01
Band38	5	37775	12	#0	QPSK	21.07	21.22
Band38	5	37775	12	#Mid	QPSK	21.11	21.26
Band38	5	37775	12	#Max	QPSK	21.03	21.18
Band38	5	37775	25	#0	QPSK	21.08	21.23
Band38	5	37775	1	#0	16QAM	21.19	21.34
Band38	5	37775	1	#Mid	16QAM	21.30	21.45
Band38	5	37775	1	#Max	16QAM	21.15	21.30
Band38	5	37775	12	#0	16QAM	20.05	20.20
Band38	5	37775	12	#Mid	16QAM	20.12	20.27
Band38	5	37775	12	#Max	16QAM	20.04	20.19
Band38	5	37775	25	#0	16QAM	20.12	20.27
Band38	5	37775	1	#0	64QAM	19.92	20.07
Band38	5	37775	1	#Mid	64QAM	20.05	20.20
Band38	5	37775	1	#Max	64QAM	19.88	20.03
Band38	5	37775	12	#0	64QAM	19.12	19.27
Band38	5	37775	12	#Mid	64QAM	19.10	19.25
Band38	5	37775	12	#Max	64QAM	19.00	19.15
Band38	5	37775	25	#0	64QAM	19.14	19.29
Band38	5	38000	1	#0	QPSK	22.06	22.21
Band38	5	38000	1	#Mid	QPSK	22.23	22.38
Band38	5	38000	1	#Max	QPSK	22.08	22.23
Band38	5	38000	12	#0	QPSK	21.15	21.30
Band38	5	38000	12	#Mid	QPSK	21.20	21.35
Band38	5	38000	12	#Max	QPSK	21.14	21.29
Band38	5	38000	25	#0	QPSK	21.17	21.32
Band38	5	38000	1	#0	16QAM	21.25	21.40
Band38	5	38000	1	#Mid	16QAM	21.45	21.60
Band38	5	38000	1	#Max	16QAM	21.29	21.44
Band38	5	38000	12	#0	16QAM	20.17	20.32
Band38	5	38000	12	#Mid	16QAM	20.20	20.35
Band38	5	38000	12	#Max	16QAM	20.17	20.32
Band38	5	38000	25	#0	16QAM	20.23	20.38
Band38	5	38000	1	#0	64QAM	20.02	20.17
Band38	5	38000	1	#Mid	64QAM	20.19	20.34
Band38	5	38000	1	#Max	64QAM	20.03	20.18
Band38	5	38000	12	#0	64QAM	19.22	19.37
Band38	5	38000	12	#Mid	64QAM	19.27	19.42
Band38	5	38000	12	#Max	64QAM	19.22	19.37

Band38	5	38000	25	#0	64QAM	19.27	19.42
Band38	5	38225	1	#0	QPSK	22.06	22.21
Band38	5	38225	1	#Mid	QPSK	22.20	22.35
Band38	5	38225	1	#Max	QPSK	22.02	22.17
Band38	5	38225	12	#0	QPSK	21.12	21.27
Band38	5	38225	12	#Mid	QPSK	21.15	21.30
Band38	5	38225	12	#Max	QPSK	21.10	21.25
Band38	5	38225	25	#0	QPSK	21.15	21.30
Band38	5	38225	1	#0	16QAM	21.26	21.41
Band38	5	38225	1	#Mid	16QAM	21.42	21.57
Band38	5	38225	1	#Max	16QAM	21.23	21.38
Band38	5	38225	12	#0	16QAM	20.14	20.29
Band38	5	38225	12	#Mid	16QAM	20.17	20.32
Band38	5	38225	12	#Max	16QAM	20.13	20.28
Band38	5	38225	25	#0	16QAM	20.20	20.35
Band38	5	38225	1	#0	64QAM	20.02	20.17
Band38	5	38225	1	#Mid	64QAM	20.16	20.31
Band38	5	38225	1	#Max	64QAM	19.98	20.13
Band38	5	38225	12	#0	64QAM	19.20	19.35
Band38	5	38225	12	#Mid	64QAM	19.22	19.37
Band38	5	38225	12	#Max	64QAM	19.19	19.34
Band38	5	38225	25	#0	64QAM	19.26	19.41
Band38	10	37800	1	#0	QPSK	22.08	22.23
Band38	10	37800	1	#Mid	QPSK	22.02	22.17
Band38	10	37800	1	#Max	QPSK	22.00	22.15
Band38	10	37800	25	#0	QPSK	21.12	21.27
Band38	10	37800	25	#Mid	QPSK	21.05	21.20
Band38	10	37800	25	#Max	QPSK	21.09	21.24
Band38	10	37800	50	#0	QPSK	21.09	21.24
Band38	10	37800	1	#0	16QAM	21.30	21.45
Band38	10	37800	1	#Mid	16QAM	21.23	21.38
Band38	10	37800	1	#Max	16QAM	21.24	21.39
Band38	10	37800	25	#0	16QAM	20.14	20.29
Band38	10	37800	25	#Mid	16QAM	20.11	20.26
Band38	10	37800	25	#Max	16QAM	20.12	20.27
Band38	10	37800	50	#0	16QAM	20.14	20.29
Band38	10	37800	1	#0	64QAM	20.02	20.17
Band38	10	37800	1	#Mid	64QAM	20.07	20.22
Band38	10	37800	1	#Max	64QAM	19.96	20.11
Band38	10	37800	25	#0	64QAM	19.14	19.29
Band38	10	37800	25	#Mid	64QAM	19.11	19.26
Band38	10	37800	25	#Max	64QAM	19.10	19.25
Band38	10	37800	50	#0	64QAM	19.05	19.20

Band38	10	38000	1	#0	QPSK	22.13	22.28
Band38	10	38000	1	#Mid	QPSK	22.29	22.44
Band38	10	38000	1	#Max	QPSK	22.18	22.33
Band38	10	38000	25	#0	QPSK	21.21	21.36
Band38	10	38000	25	#Mid	QPSK	21.19	21.34
Band38	10	38000	25	#Max	QPSK	21.21	21.36
Band38	10	38000	50	#0	QPSK	21.20	21.35
Band38	10	38000	1	#0	16QAM	21.37	21.52
Band38	10	38000	1	#Mid	16QAM	21.51	21.66
Band38	10	38000	1	#Max	16QAM	21.40	21.55
Band38	10	38000	25	#0	16QAM	20.27	20.42
Band38	10	38000	25	#Mid	16QAM	20.23	20.38
Band38	10	38000	25	#Max	16QAM	20.23	20.38
Band38	10	38000	50	#0	16QAM	20.27	20.42
Band38	10	38000	1	#0	64QAM	20.07	20.22
Band38	10	38000	1	#Mid	64QAM	20.22	20.37
Band38	10	38000	1	#Max	64QAM	20.12	20.27
Band38	10	38000	25	#0	64QAM	19.32	19.47
Band38	10	38000	25	#Mid	64QAM	19.27	19.42
Band38	10	38000	25	#Max	64QAM	19.30	19.45
Band38	10	38000	50	#0	64QAM	19.26	19.41
Band38	10	38200	1	#0	QPSK	22.14	22.29
Band38	10	38200	1	#Mid	QPSK	22.23	22.38
Band38	10	38200	1	#Max	QPSK	22.10	22.25
Band38	10	38200	25	#0	QPSK	21.18	21.33
Band38	10	38200	25	#Mid	QPSK	21.17	21.32
Band38	10	38200	25	#Max	QPSK	21.18	21.33
Band38	10	38200	50	#0	QPSK	21.18	21.33
Band38	10	38200	1	#0	16QAM	21.38	21.53
Band38	10	38200	1	#Mid	16QAM	21.49	21.64
Band38	10	38200	1	#Max	16QAM	21.35	21.50
Band38	10	38200	25	#0	16QAM	20.23	20.38
Band38	10	38200	25	#Mid	16QAM	20.21	20.36
Band38	10	38200	25	#Max	16QAM	20.21	20.36
Band38	10	38200	50	#0	16QAM	20.25	20.40
Band38	10	38200	1	#0	64QAM	20.11	20.26
Band38	10	38200	1	#Mid	64QAM	20.21	20.36
Band38	10	38200	1	#Max	64QAM	20.07	20.22
Band38	10	38200	25	#0	64QAM	19.30	19.45
Band38	10	38200	25	#Mid	64QAM	19.27	19.42
Band38	10	38200	25	#Max	64QAM	19.28	19.43
Band38	10	38200	50	#0	64QAM	19.23	19.38
Band38	15	37825	1	#0	QPSK	21.99	22.14

Band38	15	37825	1	#Mid	QPSK	22.02	22.17
Band38	15	37825	1	#Max	QPSK	21.95	22.10
Band38	15	37825	36	#0	QPSK	21.04	21.19
Band38	15	37825	36	#Mid	QPSK	21.03	21.18
Band38	15	37825	36	#Max	QPSK	21.04	21.19
Band38	15	37825	75	#0	QPSK	21.02	21.17
Band38	15	37825	1	#0	16QAM	21.20	21.35
Band38	15	37825	1	#Mid	16QAM	21.23	21.38
Band38	15	37825	1	#Max	16QAM	21.16	21.31
Band38	15	37825	36	#0	16QAM	19.98	20.13
Band38	15	37825	36	#Mid	16QAM	19.98	20.13
Band38	15	37825	36	#Max	16QAM	19.98	20.13
Band38	15	37825	75	#0	16QAM	20.04	20.19
Band38	15	37825	1	#0	64QAM	19.93	20.08
Band38	15	37825	1	#Mid	64QAM	19.98	20.13
Band38	15	37825	1	#Max	64QAM	19.89	20.04
Band38	15	37825	36	#0	64QAM	18.97	19.12
Band38	15	37825	36	#Mid	64QAM	19.00	19.15
Band38	15	37825	36	#Max	64QAM	18.97	19.12
Band38	15	37825	75	#0	64QAM	19.01	19.16
Band38	15	38000	1	#0	QPSK	22.06	22.21
Band38	15	38000	1	#Mid	QPSK	22.19	22.34
Band38	15	38000	1	#Max	QPSK	22.09	22.24
Band38	15	38000	36	#0	QPSK	21.16	21.31
Band38	15	38000	36	#Mid	QPSK	21.16	21.31
Band38	15	38000	36	#Max	QPSK	21.17	21.32
Band38	15	38000	75	#0	QPSK	21.15	21.30
Band38	15	38000	1	#0	16QAM	21.26	21.41
Band38	15	38000	1	#Mid	16QAM	21.40	21.55
Band38	15	38000	1	#Max	16QAM	21.30	21.45
Band38	15	38000	36	#0	16QAM	20.13	20.28
Band38	15	38000	36	#Mid	16QAM	20.13	20.28
Band38	15	38000	36	#Max	16QAM	20.14	20.29
Band38	15	38000	75	#0	16QAM	20.18	20.33
Band38	15	38000	1	#0	64QAM	20.00	20.15
Band38	15	38000	1	#Mid	64QAM	20.12	20.27
Band38	15	38000	1	#Max	64QAM	20.04	20.19
Band38	15	38000	36	#0	64QAM	19.05	19.20
Band38	15	38000	36	#Mid	64QAM	19.13	19.28
Band38	15	38000	36	#Max	64QAM	19.26	19.41
Band38	15	38000	75	#0	64QAM	19.14	19.29
Band38	15	38175	1	#0	QPSK	22.03	22.18
Band38	15	38175	1	#Mid	QPSK	22.16	22.31

Band38	15	38175	1	#Max	QPSK	22.02	22.17
Band38	15	38175	36	#0	QPSK	21.13	21.28
Band38	15	38175	36	#Mid	QPSK	21.13	21.28
Band38	15	38175	36	#Max	QPSK	21.13	21.28
Band38	15	38175	75	#0	QPSK	21.14	21.29
Band38	15	38175	1	#0	16QAM	21.25	21.40
Band38	15	38175	1	#Mid	16QAM	21.39	21.54
Band38	15	38175	1	#Max	16QAM	21.24	21.39
Band38	15	38175	36	#0	16QAM	20.13	20.28
Band38	15	38175	36	#Mid	16QAM	20.13	20.28
Band38	15	38175	36	#Max	16QAM	20.12	20.27
Band38	15	38175	75	#0	16QAM	20.18	20.33
Band38	15	38175	1	#0	64QAM	19.98	20.13
Band38	15	38175	1	#Mid	64QAM	20.11	20.26
Band38	15	38175	1	#Max	64QAM	19.97	20.12
Band38	15	38175	36	#0	64QAM	19.14	19.29
Band38	15	38175	36	#Mid	64QAM	19.14	19.29
Band38	15	38175	36	#Max	64QAM	19.13	19.28
Band38	15	38175	75	#0	64QAM	19.19	19.34
Band38	20	37850	1	#0	QPSK	21.82	21.97
Band38	20	37850	1	#Mid	QPSK	22.07	22.22
Band38	20	37850	1	#Max	QPSK	21.78	21.93
Band38	20	37850	50	#0	QPSK	20.99	21.14
Band38	20	37850	50	#Mid	QPSK	21.02	21.17
Band38	20	37850	50	#Max	QPSK	21.02	21.17
Band38	20	37850	100	#0	QPSK	21.04	21.19
Band38	20	37850	1	#0	16QAM	21.04	21.19
Band38	20	37850	1	#Mid	16QAM	21.30	21.45
Band38	20	37850	1	#Max	16QAM	21.02	21.17
Band38	20	37850	50	#0	16QAM	20.04	20.19
Band38	20	37850	50	#Mid	16QAM	20.05	20.20
Band38	20	37850	50	#Max	16QAM	20.07	20.22
Band38	20	37850	100	#0	16QAM	20.09	20.24
Band38	20	37850	1	#0	64QAM	19.76	19.91
Band38	20	37850	1	#Mid	64QAM	20.05	20.20
Band38	20	37850	1	#Max	64QAM	19.73	19.88
Band38	20	37850	50	#0	64QAM	19.05	19.20
Band38	20	37850	50	#Mid	64QAM	19.04	19.19
Band38	20	37850	50	#Max	64QAM	19.03	19.18
Band38	20	37850	100	#0	64QAM	19.07	19.22
Band38	20	38000	1	#0	QPSK	21.85	22.00
Band38	20	38000	1	#Mid	QPSK	22.23	22.38
Band38	20	38000	1	#Max	QPSK	21.90	22.05

Band38	20	38000	50	#0	QPSK	21.12	21.27
Band38	20	38000	50	#Mid	QPSK	21.14	21.29
Band38	20	38000	50	#Max	QPSK	21.15	21.30
Band38	20	38000	100	#0	QPSK	21.16	21.31
Band38	20	38000	1	#0	16QAM	21.07	21.22
Band38	20	38000	1	#Mid	16QAM	21.44	21.59
Band38	20	38000	1	#Max	16QAM	21.14	21.29
Band38	20	38000	50	#0	16QAM	20.18	20.33
Band38	20	38000	50	#Mid	16QAM	20.21	20.36
Band38	20	38000	50	#Max	16QAM	20.22	20.37
Band38	20	38000	100	#0	16QAM	20.22	20.37
Band38	20	38000	1	#0	64QAM	19.82	19.97
Band38	20	38000	1	#Mid	64QAM	20.18	20.33
Band38	20	38000	1	#Max	64QAM	19.87	20.02
Band38	20	38000	50	#0	64QAM	19.16	19.31
Band38	20	38000	50	#Mid	64QAM	19.18	19.33
Band38	20	38000	50	#Max	64QAM	19.18	19.33
Band38	20	38000	100	#0	64QAM	19.21	19.36
Band38	20	38150	1	#0	QPSK	21.88	22.03
Band38	20	38150	1	#Mid	QPSK	22.21	22.36
Band38	20	38150	1	#Max	QPSK	21.85	22.00
Band38	20	38150	50	#0	QPSK	21.10	21.25
Band38	20	38150	50	#Mid	QPSK	21.16	21.31
Band38	20	38150	50	#Max	QPSK	21.11	21.26
Band38	20	38150	100	#0	QPSK	21.14	21.29
Band38	20	38150	1	#0	16QAM	21.10	21.25
Band38	20	38150	1	#Mid	16QAM	21.43	21.58
Band38	20	38150	1	#Max	16QAM	21.08	21.23
Band38	20	38150	50	#0	16QAM	20.14	20.29
Band38	20	38150	50	#Mid	16QAM	20.21	20.36
Band38	20	38150	50	#Max	16QAM	20.18	20.33
Band38	20	38150	100	#0	16QAM	20.21	20.36
Band38	20	38150	1	#0	64QAM	19.84	19.99
Band38	20	38150	1	#Mid	64QAM	20.16	20.31
Band38	20	38150	1	#Max	64QAM	19.82	19.97
Band38	20	38150	50	#0	64QAM	19.13	19.28
Band38	20	38150	50	#Mid	64QAM	19.19	19.34
Band38	20	38150	50	#Max	64QAM	19.18	19.33
Band38	20	38150	100	#0	64QAM	19.18	19.33

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	ERP (dBm)
Band41	5	39675	1	#0	QPSK	22.09	22.90
Band41	5	39675	1	#Mid	QPSK	22.19	23.00
Band41	5	39675	1	#Max	QPSK	22.05	22.86
Band41	5	39675	12	#0	QPSK	21.16	21.97
Band41	5	39675	12	#Mid	QPSK	21.24	22.05
Band41	5	39675	12	#Max	QPSK	21.18	21.99
Band41	5	39675	25	#0	QPSK	21.19	22.00
Band41	5	39675	1	#0	16QAM	21.28	22.09
Band41	5	39675	1	#Mid	16QAM	21.39	22.20
Band41	5	39675	1	#Max	16QAM	21.25	22.06
Band41	5	39675	12	#0	16QAM	20.17	20.98
Band41	5	39675	12	#Mid	16QAM	20.22	21.03
Band41	5	39675	12	#Max	16QAM	20.19	21.00
Band41	5	39675	25	#0	16QAM	20.22	21.03
Band41	5	39675	1	#0	64QAM	20.05	20.86
Band41	5	39675	1	#Mid	64QAM	20.17	20.98
Band41	5	39675	1	#Max	64QAM	20.04	20.85
Band41	5	39675	12	#0	64QAM	19.17	19.98
Band41	5	39675	12	#Mid	64QAM	19.25	20.06
Band41	5	39675	12	#Max	64QAM	19.21	20.02
Band41	5	39675	25	#0	64QAM	19.22	20.03
Band41	5	40620	1	#0	QPSK	22.00	22.81
Band41	5	40620	1	#Mid	QPSK	22.11	22.92
Band41	5	40620	1	#Max	QPSK	22.01	22.82
Band41	5	40620	12	#0	QPSK	21.06	21.87
Band41	5	40620	12	#Mid	QPSK	21.11	21.92
Band41	5	40620	12	#Max	QPSK	21.07	21.88
Band41	5	40620	25	#0	QPSK	21.09	21.90
Band41	5	40620	1	#0	16QAM	21.19	22.00
Band41	5	40620	1	#Mid	16QAM	21.34	22.15
Band41	5	40620	1	#Max	16QAM	21.22	22.03
Band41	5	40620	12	#0	16QAM	20.07	20.88
Band41	5	40620	12	#Mid	16QAM	20.12	20.93
Band41	5	40620	12	#Max	16QAM	20.09	20.90
Band41	5	40620	25	#0	16QAM	20.14	20.95
Band41	5	40620	1	#0	64QAM	19.95	20.76
Band41	5	40620	1	#Mid	64QAM	20.07	20.88
Band41	5	40620	1	#Max	64QAM	19.97	20.78
Band41	5	40620	12	#0	64QAM	19.10	19.91
Band41	5	40620	12	#Mid	64QAM	19.14	19.95
Band41	5	40620	12	#Max	64QAM	19.09	19.90

Band41	5	40620	25	#0	64QAM	19.10	19.91
Band41	5	41565	1	#0	QPSK	22.02	22.83
Band41	5	41565	1	#Mid	QPSK	22.12	22.93
Band41	5	41565	1	#Max	QPSK	21.99	22.80
Band41	5	41565	12	#0	QPSK	21.11	21.92
Band41	5	41565	12	#Mid	QPSK	21.11	21.92
Band41	5	41565	12	#Max	QPSK	21.02	21.83
Band41	5	41565	25	#0	QPSK	21.09	21.90
Band41	5	41565	1	#0	16QAM	21.23	22.04
Band41	5	41565	1	#Mid	16QAM	21.39	22.20
Band41	5	41565	1	#Max	16QAM	21.22	22.03
Band41	5	41565	12	#0	16QAM	20.14	20.95
Band41	5	41565	12	#Mid	16QAM	20.16	20.97
Band41	5	41565	12	#Max	16QAM	20.11	20.92
Band41	5	41565	25	#0	16QAM	20.19	21.00
Band41	5	41565	1	#0	64QAM	20.02	20.83
Band41	5	41565	1	#Mid	64QAM	20.16	20.97
Band41	5	41565	1	#Max	64QAM	19.98	20.79
Band41	5	41565	12	#0	64QAM	19.23	20.04
Band41	5	41565	12	#Mid	64QAM	19.21	20.02
Band41	5	41565	12	#Max	64QAM	19.14	19.95
Band41	5	41565	25	#0	64QAM	19.23	20.04
Band41	10	39700	1	#0	QPSK	22.15	22.96
Band41	10	39700	1	#Mid	QPSK	22.26	23.07
Band41	10	39700	1	#Max	QPSK	22.05	22.86
Band41	10	39700	25	#0	QPSK	21.17	21.98
Band41	10	39700	25	#Mid	QPSK	21.23	22.04
Band41	10	39700	25	#Max	QPSK	21.23	22.04
Band41	10	39700	50	#0	QPSK	21.21	22.02
Band41	10	39700	1	#0	16QAM	21.36	22.17
Band41	10	39700	1	#Mid	16QAM	21.44	22.25
Band41	10	39700	1	#Max	16QAM	21.27	22.08
Band41	10	39700	25	#0	16QAM	20.19	21.00
Band41	10	39700	25	#Mid	16QAM	20.23	21.04
Band41	10	39700	25	#Max	16QAM	20.25	21.06
Band41	10	39700	50	#0	16QAM	20.25	21.06
Band41	10	39700	1	#0	64QAM	20.12	20.93
Band41	10	39700	1	#Mid	64QAM	20.22	21.03
Band41	10	39700	1	#Max	64QAM	20.02	20.83
Band41	10	39700	25	#0	64QAM	19.19	20.00
Band41	10	39700	25	#Mid	64QAM	19.25	20.06
Band41	10	39700	25	#Max	64QAM	19.26	20.07
Band41	10	39700	50	#0	64QAM	19.18	19.99

Band41	10	40620	1	#0	QPSK	22.05	22.86
Band41	10	40620	1	#Mid	QPSK	22.19	23.00
Band41	10	40620	1	#Max	QPSK	22.08	22.89
Band41	10	40620	25	#0	QPSK	21.13	21.94
Band41	10	40620	25	#Mid	QPSK	21.11	21.92
Band41	10	40620	25	#Max	QPSK	21.14	21.95
Band41	10	40620	50	#0	QPSK	21.15	21.96
Band41	10	40620	1	#0	16QAM	21.30	22.11
Band41	10	40620	1	#Mid	16QAM	21.44	22.25
Band41	10	40620	1	#Max	16QAM	21.33	22.14
Band41	10	40620	25	#0	16QAM	20.18	20.99
Band41	10	40620	25	#Mid	16QAM	20.16	20.97
Band41	10	40620	25	#Max	16QAM	20.18	20.99
Band41	10	40620	50	#0	16QAM	20.21	21.02
Band41	10	40620	1	#0	64QAM	20.01	20.82
Band41	10	40620	1	#Mid	64QAM	20.16	20.97
Band41	10	40620	1	#Max	64QAM	20.04	20.85
Band41	10	40620	25	#0	64QAM	19.28	20.09
Band41	10	40620	25	#Mid	64QAM	19.20	20.01
Band41	10	40620	25	#Max	64QAM	19.17	19.98
Band41	10	40620	50	#0	64QAM	19.11	19.92
Band41	10	41540	1	#0	QPSK	22.11	22.92
Band41	10	41540	1	#Mid	QPSK	22.18	22.99
Band41	10	41540	1	#Max	QPSK	22.04	22.85
Band41	10	41540	25	#0	QPSK	21.17	21.98
Band41	10	41540	25	#Mid	QPSK	21.15	21.96
Band41	10	41540	25	#Max	QPSK	21.11	21.92
Band41	10	41540	50	#0	QPSK	21.13	21.94
Band41	10	41540	1	#0	16QAM	21.36	22.17
Band41	10	41540	1	#Mid	16QAM	21.42	22.23
Band41	10	41540	1	#Max	16QAM	21.31	22.12
Band41	10	41540	25	#0	16QAM	20.25	21.06
Band41	10	41540	25	#Mid	16QAM	20.23	21.04
Band41	10	41540	25	#Max	16QAM	20.16	20.97
Band41	10	41540	50	#0	16QAM	20.22	21.03
Band41	10	41540	1	#0	64QAM	20.12	20.93
Band41	10	41540	1	#Mid	64QAM	20.22	21.03
Band41	10	41540	1	#Max	64QAM	20.05	20.86
Band41	10	41540	25	#0	64QAM	19.30	20.11
Band41	10	41540	25	#Mid	64QAM	19.30	20.11
Band41	10	41540	25	#Max	64QAM	19.23	20.04
Band41	10	41540	50	#0	64QAM	19.21	20.02
Band41	15	39725	1	#0	QPSK	22.08	22.89

Band41	15	39725	1	#Mid	QPSK	22.12	22.93
Band41	15	39725	1	#Max	QPSK	21.98	22.79
Band41	15	39725	36	#0	QPSK	21.15	21.96
Band41	15	39725	36	#Mid	QPSK	21.18	21.99
Band41	15	39725	36	#Max	QPSK	21.13	21.94
Band41	15	39725	75	#0	QPSK	21.15	21.96
Band41	15	39725	1	#0	16QAM	21.26	22.07
Band41	15	39725	1	#Mid	16QAM	21.31	22.12
Band41	15	39725	1	#Max	16QAM	21.16	21.97
Band41	15	39725	36	#0	16QAM	20.10	20.91
Band41	15	39725	36	#Mid	16QAM	20.13	20.94
Band41	15	39725	36	#Max	16QAM	20.10	20.91
Band41	15	39725	75	#0	16QAM	20.16	20.97
Band41	15	39725	1	#0	64QAM	20.04	20.85
Band41	15	39725	1	#Mid	64QAM	20.07	20.88
Band41	15	39725	1	#Max	64QAM	19.91	20.72
Band41	15	39725	36	#0	64QAM	19.07	19.88
Band41	15	39725	36	#Mid	64QAM	19.14	19.95
Band41	15	39725	36	#Max	64QAM	19.07	19.88
Band41	15	39725	75	#0	64QAM	19.12	19.93
Band41	15	40620	1	#0	QPSK	21.98	22.79
Band41	15	40620	1	#Mid	QPSK	22.11	22.92
Band41	15	40620	1	#Max	QPSK	22.02	22.83
Band41	15	40620	36	#0	QPSK	21.08	21.89
Band41	15	40620	36	#Mid	QPSK	21.10	21.91
Band41	15	40620	36	#Max	QPSK	21.11	21.92
Band41	15	40620	75	#0	QPSK	21.09	21.90
Band41	15	40620	1	#0	16QAM	21.19	22.00
Band41	15	40620	1	#Mid	16QAM	21.32	22.13
Band41	15	40620	1	#Max	16QAM	21.25	22.06
Band41	15	40620	36	#0	16QAM	20.05	20.86
Band41	15	40620	36	#Mid	16QAM	20.07	20.88
Band41	15	40620	36	#Max	16QAM	20.09	20.90
Band41	15	40620	75	#0	16QAM	20.10	20.91
Band41	15	40620	1	#0	64QAM	19.94	20.75
Band41	15	40620	1	#Mid	64QAM	20.07	20.88
Band41	15	40620	1	#Max	64QAM	19.98	20.79
Band41	15	40620	36	#0	64QAM	19.03	19.84
Band41	15	40620	36	#Mid	64QAM	19.07	19.88
Band41	15	40620	36	#Max	64QAM	19.05	19.86
Band41	15	40620	75	#0	64QAM	19.05	19.86
Band41	15	41515	1	#0	QPSK	22.02	22.83
Band41	15	41515	1	#Mid	QPSK	22.12	22.93

Band41	15	41515	1	#Max	QPSK	21.96	22.77
Band41	15	41515	36	#0	QPSK	21.11	21.92
Band41	15	41515	36	#Mid	QPSK	21.07	21.88
Band41	15	41515	36	#Max	QPSK	21.03	21.84
Band41	15	41515	75	#0	QPSK	21.06	21.87
Band41	15	41515	1	#0	16QAM	21.27	22.08
Band41	15	41515	1	#Mid	16QAM	21.37	22.18
Band41	15	41515	1	#Max	16QAM	21.21	22.02
Band41	15	41515	36	#0	16QAM	20.13	20.94
Band41	15	41515	36	#Mid	16QAM	20.12	20.93
Band41	15	41515	36	#Max	16QAM	20.04	20.85
Band41	15	41515	75	#0	16QAM	20.14	20.95
Band41	15	41515	1	#0	64QAM	20.02	20.83
Band41	15	41515	1	#Mid	64QAM	20.13	20.94
Band41	15	41515	1	#Max	64QAM	19.97	20.78
Band41	15	41515	36	#0	64QAM	19.14	19.95
Band41	15	41515	36	#Mid	64QAM	19.12	19.93
Band41	15	41515	36	#Max	64QAM	19.07	19.88
Band41	15	41515	75	#0	64QAM	19.13	19.94
Band41	20	39750	1	#0	QPSK	21.91	22.72
Band41	20	39750	1	#Mid	QPSK	22.18	22.99
Band41	20	39750	1	#Max	QPSK	21.80	22.61
Band41	20	39750	50	#0	QPSK	21.07	21.88
Band41	20	39750	50	#Mid	QPSK	21.15	21.96
Band41	20	39750	50	#Max	QPSK	21.12	21.93
Band41	20	39750	100	#0	QPSK	21.15	21.96
Band41	20	39750	1	#0	16QAM	21.11	21.92
Band41	20	39750	1	#Mid	16QAM	21.38	22.19
Band41	20	39750	1	#Max	16QAM	21.01	21.82
Band41	20	39750	50	#0	16QAM	20.13	20.94
Band41	20	39750	50	#Mid	16QAM	20.21	21.02
Band41	20	39750	50	#Max	16QAM	20.18	20.99
Band41	20	39750	100	#0	16QAM	20.18	20.99
Band41	20	39750	1	#0	64QAM	19.87	20.68
Band41	20	39750	1	#Mid	64QAM	20.14	20.95
Band41	20	39750	1	#Max	64QAM	19.75	20.56
Band41	20	39750	50	#0	64QAM	19.09	19.90
Band41	20	39750	50	#Mid	64QAM	19.19	20.00
Band41	20	39750	50	#Max	64QAM	19.13	19.94
Band41	20	39750	100	#0	64QAM	19.14	19.95
Band41	20	40620	1	#0	QPSK	21.80	22.61
Band41	20	40620	1	#Mid	QPSK	22.20	23.01
Band41	20	40620	1	#Max	QPSK	21.84	22.65

Band41	20	40620	50	#0	QPSK	21.07	21.88
Band41	20	40620	50	#Mid	QPSK	21.11	21.92
Band41	20	40620	50	#Max	QPSK	21.09	21.90
Band41	20	40620	100	#0	QPSK	21.12	21.93
Band41	20	40620	1	#0	16QAM	21.03	21.84
Band41	20	40620	1	#Mid	16QAM	21.41	22.22
Band41	20	40620	1	#Max	16QAM	21.09	21.90
Band41	20	40620	50	#0	16QAM	20.13	20.94
Band41	20	40620	50	#Mid	16QAM	20.14	20.95
Band41	20	40620	50	#Max	16QAM	20.16	20.97
Band41	20	40620	100	#0	16QAM	20.16	20.97
Band41	20	40620	1	#0	64QAM	19.75	20.56
Band41	20	40620	1	#Mid	64QAM	20.12	20.93
Band41	20	40620	1	#Max	64QAM	19.82	20.63
Band41	20	40620	50	#0	64QAM	19.09	19.90
Band41	20	40620	50	#Mid	64QAM	19.13	19.94
Band41	20	40620	50	#Max	64QAM	19.13	19.94
Band41	20	40620	100	#0	64QAM	19.17	19.98
Band41	20	41490	1	#0	QPSK	21.88	22.69
Band41	20	41490	1	#Mid	QPSK	22.20	23.01
Band41	20	41490	1	#Max	QPSK	21.80	22.61
Band41	20	41490	50	#0	QPSK	21.06	21.87
Band41	20	41490	50	#Mid	QPSK	21.10	21.91
Band41	20	41490	50	#Max	QPSK	20.99	21.80
Band41	20	41490	100	#0	QPSK	21.04	21.85
Band41	20	41490	1	#0	16QAM	21.13	21.94
Band41	20	41490	1	#Mid	16QAM	21.45	22.26
Band41	20	41490	1	#Max	16QAM	21.08	21.89
Band41	20	41490	50	#0	16QAM	20.16	20.97
Band41	20	41490	50	#Mid	16QAM	20.20	21.01
Band41	20	41490	50	#Max	16QAM	20.07	20.88
Band41	20	41490	100	#0	16QAM	20.12	20.93
Band41	20	41490	1	#0	64QAM	19.87	20.68
Band41	20	41490	1	#Mid	64QAM	20.21	21.02
Band41	20	41490	1	#Max	64QAM	19.80	20.61
Band41	20	41490	50	#0	64QAM	19.13	19.94
Band41	20	41490	50	#Mid	64QAM	19.16	19.97
Band41	20	41490	50	#Max	64QAM	19.05	19.86
Band41	20	41490	100	#0	64QAM	19.13	19.94