

LTE B4 (1700MHz) / Setup Path Loss = 5.4 (TS9)						
Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
5 MHz	19975	1712.5	1	1	23.03	22.24
				12	23.17	22.42
				24	23.09	22.50
			12	1	22.32	21.36
				7	22.33	21.31
				13	22.29	21.27
			25	0	22.23	21.31
	20175	1732.5	1	1	23.07	22.16
				12	23.12	22.35
				24	23.09	22.43
			12	1	22.30	21.36
				7	22.33	21.34
				13	22.30	21.32
			25	0	22.23	21.34
	20375	1752.5	1	1	22.81	21.57
				12	22.73	21.43
				24	22.59	20.81
			12	1	21.90	20.97
				7	21.85	20.90
				13	21.80	20.84
			25	0	21.88	20.89

Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
10 MHz	20000	1715.0	1	1	22.35	21.66
				24	22.43	21.75
				49	21.83	21.40
			25	1	21.70	20.82
				13	21.62	20.68
				25	21.44	20.58
			50	0	21.55	20.72
	20175	1732.5	1	1	22.80	22.19
				24	23.11	22.52
				49	23.01	22.38
			25	1	22.13	21.23
				13	22.27	21.37
				25	22.26	21.28
			50	0	22.18	21.34
	20350	1750.0	1	1	22.96	22.59
				24	22.58	22.08
				49	21.44	21.53
			25	1	22.03	21.04
				13	21.95	20.94
				25	21.87	20.84
			50	0	21.93	20.92

LTE B4 (1700MHz) / Setup Path Loss = 5.4 (TS9)						
Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
15 MHz	20025	1717.5	1	1	22.65	21.95
				37	22.21	21.51
				74	22.31	21.48
			37	1	21.68	21.32
				19	21.72	21.21
				38	21.44	21.06
			75	0	21.32	20.52
	20175	1732.5	1	1	22.72	22.08
				37	22.70	22.11
				74	22.68	22.05
			37	1	22.1	21.89
				19	22.16	21.73
				38	22.03	21.66
			75	0	21.98	21.20
	20325	1747.5	1	1	23.84	23.17
				37	23.36	22.23
				74	23.54	22.68
			37	1	22.39	21.98
				19	22.68	22.04
				38	22.43	22.11
			75	0	22.18	21.13

Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
20 MHz	20050	1720.0	1	1	22.69	22.26
				49	22.04	21.66
				99	21.27	21.03
			50	1	21.32	20.62
				24	21.34	20.49
				50	21.54	20.63
			100	0	21.50	20.55
	20175	1732.5	1	1	23.01	22.28
				49	22.69	21.97
				99	23.06	22.30
			50	1	21.80	20.97
				24	22.12	21.26
				50	22.15	21.13
			100	0	21.98	21.12
	20300	1745.0	1	1	22.18	21.83
				49	22.84	22.31
				99	21.87	21.40
			50	1	22.29	21.35
				24	21.98	20.89
				50	21.93	20.93
			100	0	22.17	20.96

LTE B66 (1700MHz) / Setup Path Loss = 5.4 (TS9)						
Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
5 MHz	131997	1712.5	1	1	21.78	20.95
				12	21.90	21.11
				24	21.89	21.08
			12	1	21.13	20.08
				7	21.15	20.11
				13	20.99	20.02
			25	0	20.96	20.02
	132422	1755.0	1	1	21.27	21.50
				12	21.43	21.54
				24	21.42	21.49
			12	1	21.51	20.49
				7	21.49	20.47
				13	21.26	20.36
			25	0	21.35	20.37
	132646	1777.4	1	1	21.77	21.03
				12	21.77	21.08
				24	21.54	20.81
			12	1	22.21	20.18
				7	22.10	20.14
				13	21.84	19.89
			25	0	21.99	20.04

Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
10 MHz	132033	1716.1	1	1	21.25	20.55
				24	21.62	20.93
				49	21.52	20.87
			25	1	20.86	19.88
				13	20.79	19.78
				25	20.63	19.69
			50	0	20.69	19.80
	132422	1755.0	1	1	22.16	21.27
				24	22.37	21.50
				49	22.27	21.25
			25	1	22.45	20.48
				13	22.32	20.34
				25	22.10	20.16
			50	0	22.26	20.36
	132621	1774.9	1	1	21.95	21.28
				24	22.06	21.44
				49	21.56	21.03
			25	1	21.41	20.52
				13	21.25	20.31
				25	20.88	19.99
			50	0	21.10	20.26

LTE B66 (1700MHz) / Setup Path Loss = 5.4 (TS9)						
Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
15 MHz	132047	1717.5	1	1	21.53	20.67
				37	21.62	20.80
				75	21.43	20.75
			37	1	21.03	20.46
				19	21.08	20.59
				38	21.00	20.43
			75	0	20.58	19.60
	132422	1755.0	1	1	22.26	21.59
				37	22.10	21.40
				75	22.13	21.36
			37	1	21.59	20.89
				19	21.41	20.97
				38	21.37	20.92
			75	0	21.09	20.38
	132596	1772.4	1	1	22.50	22.03
				37	21.88	21.40
				75	21.94	21.46
			37	1	21.85	20.99
				19	21.93	22.05
				38	21.46	22.01
			75	0	21.16	20.32

Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
20 MHz	132072	1720.0	1	1	21.05	20.75
				49	21.24	20.97
				99	21.90	21.53
			50	1	20.69	19.83
				24	20.64	19.74
				50	20.81	19.82
			100	0	20.73	19.70
	132422	1755.0	1	1	22.27	21.65
				49	21.95	21.42
				99	22.06	21.46
			50	1	21.42	20.65
				24	21.27	20.41
				50	21.11	20.20
			100	0	21.27	20.31
	132571	1769.9	1	1	22.71	21.81
				49	22.08	21.22
				99	21.66	20.79
			50	1	22.33	20.45
				24	22.47	20.59
				50	22.13	20.27
			100	0	22.22	20.33

LTE B2 (1900MHz) / Setup Path Loss = 5.5 (TS9)						
Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
1.4 MHz	18607	1850.7	1	1	22.05	21.41
				3	22.04	21.45
				5	21.94	21.29
			3	1	22.06	21.22
				2	22.07	21.20
				3	22.02	21.14
			6	0	21.01	20.38
	18900	1880.0	1	1	22.11	21.33
				3	22.08	21.26
				5	21.84	21.10
			3	1	22.09	21.08
				2	22.11	20.14
				3	22.04	20.07
			6	0	22.10	19.97
	19193	1909.3	1	1	21.86	21.18
				3	21.82	21.13
				5	21.64	20.96
			3	1	21.86	20.95
				2	21.85	20.96
				3	21.76	20.85
			6	0	20.85	20.10

Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
3 MHz	18615	1851.5	1	1	22.46	21.74
				7	22.44	21.71
				14	22.14	21.44
			7	1	21.56	20.79
				4	21.69	20.86
				8	21.44	20.91
			15	0	21.26	20.44
	18900	1880.0	1	1	22.27	21.58
				7	22.23	21.54
				14	21.94	21.28
			7	1	21.48	20.88
				4	21.43	20.83
				8	21.29	20.71
			15	0	21.25	20.4
	19185	1908.5	1	1	21.97	21.11
				7	21.96	21.12
				14	21.66	20.86
			7	1	21.16	20.68
				4	21.18	20.72
				8	21.02	20.59
			15	0	20.93	20.12

LTE B2 (1900MHz) / Setup Path Loss = 5.5 (TS9)						
Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
5 MHz	18625	1852.5	1	1	21.91	21.25
				12	22.03	21.34
				24	21.68	20.98
			12	1	21.31	20.13
				7	21.33	20.32
				13	21.19	20.22
			25	0	21.17	20.19
	18900	1880.0	1	1	22.16	21.51
				12	22.14	21.53
				24	21.74	21.07
			12	1	21.35	20.33
				7	21.38	20.37
				13	21.34	20.28
			25	0	21.25	20.25
	19175	1907.5	1	1	21.87	21.12
				12	21.86	21.09
				24	21.50	20.71
			12	1	21.00	19.98
				7	21.06	19.93
				13	20.83	19.89
			25	0	20.90	19.95

Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
10 MHz	18650	1855.0	1	1	22.06	21.18
				24	21.97	21.17
				49	21.91	21.08
			25	1	21.10	20.10
				13	21.20	20.17
				25	21.19	20.33
			50	0	21.13	20.25
	18900	1880.0	1	1	22.51	21.73
				24	22.16	21.38
				49	21.63	20.89
			25	1	21.32	20.32
				13	21.27	20.25
				25	21.14	20.24
			50	0	21.21	20.32
	19150	1905.0	1	1	22.32	21.36
				24	21.96	21.09
				49	21.43	20.55
			25	1	21.15	20.19
				13	21.05	20.05
				25	20.83	19.92
			50	0	20.96	20.06

LTE B2 (1900MHz) / Setup Path Loss = 5.5 (TS9)						
Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
15 MHz	18675	1857.5	1	1	22.11	21.57
				37	21.77	21.25
				75	21.86	21.42
			37	1	21.46	20.98
				19	21.15	20.73
				38	21.36	20.81
			75	0	21.07	20.17
	18900	1880.0	1	1	22.78	22.02
				37	21.97	21.46
				75	22.43	21.97
			37	1	21.85	21.16
				19	21.26	20.73
				38	21.68	20.95
			75	0	21.07	20.22
	19125	1902.5	1	1	22.64	22.09
				37	21.82	21.17
				75	22.15	21.84
			37	1	21.93	21.29
				19	21.04	20.88
				38	21.63	21.03
			75	0	21.04	20.14

Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
20 MHz	18700	1860.0	1	1	22.23	21.46
				49	21.99	21.26
				99	23.04	22.17
			50	1	21.05	20.23
				24	21.38	20.50
				50	21.60	20.74
			100	0	21.33	20.41
	18900	1880.0	1	1	23.15	22.21
				49	22.12	21.18
				99	21.96	21.04
			50	1	22.25	20.49
				24	22.19	20.28
				50	22.09	20.20
			100	0	22.16	20.31
	19100	1900.0	1	1	22.10	21.41
				49	22.06	21.35
				99	21.35	20.65
			50	1	21.13	20.25
				24	21.21	20.28
				50	20.96	20.17
			100	0	20.96	20.10

LTE B7 (2600MHz) / Setup Path Loss = 6.2 (Murata)						
Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
5 MHz	20775	2502.5	1	1	22.79	22.12
				12	22.87	22.17
				24	22.74	21.99
			12	1	21.88	20.92
				7	21.93	20.98
				13	21.80	20.84
			25	0	21.91	20.93
	21100	2535.0	1	1	22.96	22.31
				12	22.97	22.31
				24	22.95	22.19
			12	1	22.08	21.12
				7	22.12	21.16
				13	22.10	21.13
			25	0	22.08	21.12
	21425	2567.5	1	1	22.13	21.36
				12	21.94	21.20
				24	21.56	20.80
			12	1	22.10	21.14
				7	22.01	21.08
				13	21.84	20.89
			25	0	21.97	21.02

Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
10 MHz	20800	2505.0	1	1	23.00	22.29
				24	22.89	22.16
				49	22.36	21.68
			25	1	22.02	21.04
				13	21.97	20.97
				25	22.01	21.04
			50	0	21.98	20.97
	21100	2535.0	1	1	23.21	22.49
				24	23.03	23.39
				49	22.91	22.30
			25	1	22.24	21.25
				13	22.16	21.17
				25	22.18	21.18
			50	0	22.13	21.16
	21400	2565.0	1	1	22.55	21.80
				24	22.19	21.47
				49	21.36	20.00
			25	1	22.42	21.38
				13	22.22	21.28
				25	21.88	20.93
			50	0	22.13	21.19

LTE B7 (2600MHz) / Setup Path Loss = 6.2 (Murata)						
Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
15 MHz	20825	2507.5	1	1	23.20	22.43
				37	22.85	22.19
				75	22.92	22.31
			37	1	22.30	21.73
				19	22.13	21.61
				38	22.26	21.77
			75	0	22.07	21.03
	21100	2535.0	1	1	23.35	22.59
				37	23.23	22.25
				75	23.15	22.16
			37	1	22.42	21.87
				19	22.36	21.75
				38	22.03	21.79
			75	0	22.20	21.17
	21424	2562.5	1	1	23.14	22.63
				37	22.87	22.28
				75	23.04	22.46
			37	1	22.58	22.04
				19	22.37	21.85
				38	22.31	21.79
			75	0	22.01	21.54

Bandwidth	UL Channel	UL Freq. MHz	# RBs	Offset RBs	QPSK	16QAM
20 MHz	20850	2510.0	1	1	23.37	22.54
				49	22.95	22.19
				99	22.99	22.19
			50	1	22.10	21.13
				24	22.13	21.18
				50	22.09	21.09
			100	0	22.16	21.15
	21100	2535.0	1	1	23.43	22.78
				49	23.00	22.35
				99	23.10	22.45
			50	1	22.29	21.35
				24	22.17	21.21
				50	22.27	21.28
			100	0	22.24	21.23
	21349	2560.0	1	1	23.44	22.76
				49	23.03	22.39
				99	23.13	22.52
			50	1	22.29	21.35
				24	22.18	21.21
				50	22.27	21.27
			100	0	22.23	21.26