

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
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			