

Full Power

[illegible][illegible]

LTE Band 5 (TDD)										
Cell	Modulation	Cell ID	Frequency (MHz)	Bandwidth (MHz)	Power (dBm)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)
			Frequency (MHz)	Bandwidth (MHz)	Power (dBm)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)	Power Spectral Density (dBm/MHz)
Cell 1	QPSK	1	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		2	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		3	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		4	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
	16QAM	5	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		6	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		7	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		8	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
	64QAM	9	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		10	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		11	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		12	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
Cell 2	QPSK	13	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		14	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		15	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		16	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
	16QAM	17	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		18	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		19	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		20	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
	64QAM	21	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		22	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		23	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		24	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
Cell 3	QPSK	25	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		26	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		27	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		28	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
	16QAM	29	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		30	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		31	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		32	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
	64QAM	33	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		34	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		35	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00
		36	1875.00	18.75	23.00	-174.00	-174.00	-174.00	-174.00	-174.00

LTE Band 7 (20MHz)									
UE	Modulation	MCS		MCS Index	Modulation	Code Rate	CQI	SINR (dB)	SINR (dB)
		QPSK	16QAM						
UE1	QPSK	1	1	0	QPSK	0.0000	0	0	0
		2	1	0	QPSK	0.0000	0	0	0
		3	1	0	QPSK	0.0000	0	0	0
		4	1	0	QPSK	0.0000	0	0	0
	16QAM	5	1	0	16QAM	0.0000	0	0	0
		6	1	0	16QAM	0.0000	0	0	0
		7	1	0	16QAM	0.0000	0	0	0
		8	1	0	16QAM	0.0000	0	0	0
	64QAM	9	1	0	64QAM	0.0000	0	0	0
		10	1	0	64QAM	0.0000	0	0	0
		11	1	0	64QAM	0.0000	0	0	0
		12	1	0	64QAM	0.0000	0	0	0
UE2	QPSK	1	1	0	QPSK	0.0000	0	0	0
		2	1	0	QPSK	0.0000	0	0	0
		3	1	0	QPSK	0.0000	0	0	0
		4	1	0	QPSK	0.0000	0	0	0
	16QAM	5	1	0	16QAM	0.0000	0	0	0
		6	1	0	16QAM	0.0000	0	0	0
		7	1	0	16QAM	0.0000	0	0	0
		8	1	0	16QAM	0.0000	0	0	0
	64QAM	9	1	0	64QAM	0.0000	0	0	0
		10	1	0	64QAM	0.0000	0	0	0
		11	1	0	64QAM	0.0000	0	0	0
		12	1	0	64QAM	0.0000	0	0	0
UE3	QPSK	1	1	0	QPSK	0.0000	0	0	0
		2	1	0	QPSK	0.0000	0	0	0
		3	1	0	QPSK	0.0000	0	0	0
		4	1	0	QPSK	0.0000	0	0	0
	16QAM	5	1	0	16QAM	0.0000	0	0	0
		6	1	0	16QAM	0.0000	0	0	0
		7	1	0	16QAM	0.0000	0	0	0
		8	1	0	16QAM	0.0000	0	0	0
	64QAM	9	1	0	64QAM	0.0000	0	0	0
		10	1	0	64QAM	0.0000	0	0	0
		11	1	0	64QAM	0.0000	0	0	0
		12	1	0	64QAM	0.0000	0	0	0
UE4	QPSK	1	1	0	QPSK	0.0000	0	0	0
		2	1	0	QPSK	0.0000	0	0	0
		3	1	0	QPSK	0.0000	0	0	0
		4	1	0	QPSK	0.0000	0	0	0
	16QAM	5	1	0	16QAM	0.0000	0	0	0
		6	1	0	16QAM	0.0000	0	0	0
		7	1	0	16QAM	0.0000	0	0	0
		8	1	0	16QAM	0.0000	0	0	0
	64QAM	9	1	0	64QAM	0.0000	0	0	0
		10	1	0	64QAM	0.0000	0	0	0
		11	1	0	64QAM	0.0000	0	0	0
		12	1	0	64QAM	0.0000	0	0	0

Net	Architecture	L76 Band (25 Assets)										Layers (F1)	Layers (F2)	
		Model Size		F1 Score		Precision		Recall		F1 Score	Precision			Recall
		Assets	Params	Assets	Params	Assets	Params	Assets	Params					
Net	L1	Program (Assets)												
		1	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		2	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		3	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		4	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
	L2	1	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		2	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		3	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		4	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		5	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
Net	L1	Program (Assets)												
		1	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		2	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		3	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		4	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
	L2	1	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		2	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		3	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		4	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		5	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
Net	L1	Program (Assets)												
		1	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		2	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		3	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		4	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
	L2	1	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		2	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		3	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		4	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		5	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
Net	L1	Program (Assets)												
		1	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		2	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		3	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		4	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
	L2	1	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		2	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		3	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		4	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		5	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
Net	L1	Program (Assets)												
		1	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		2	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		3	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		4	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
	L2	1	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		2	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		3	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		4	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	
		5	500	27.72	27.881	28.023	2	250	27.72	27.881	28.023	2	250	

ID	Resource	5.7% Band (20 MHz)									
		Min Rate	Max Rate	Time	Days	Range	Power	Speed	Latency	Reliability	
		Min Rate (Mbps)	Max Rate (Mbps)	Min Rate (Mbps)	Max Rate (Mbps)	Min Rate (Mbps)	Max Rate (Mbps)	Min Rate (Mbps)	Max Rate (Mbps)	Min Rate (Mbps)	
A	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
B	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
C	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
D	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
E	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
F	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
G	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
H	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
I	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
J	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
K	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
L	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
M	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
N	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
O	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
P	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
Q	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
R	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
S	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
T	Signal	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
	Latency	1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	2	
		3	3	3	3	3	3	3	3	3	
		4	4	4	4	4	4	4	4	4	
		5	5	5	5	5	5	5	5	5	
U											

L70 Based 20 (4x11)									
Size	Orientation	No. of steel		Area		Weight (kg)	Center of Gravity (mm)	Moment of Inertia (cm ⁴)	Section Modulus (cm ³)
		Horizontal (mm)	Vertical (mm)	Horizontal (mm ²)	Vertical (mm ²)				
100mm	UPPER	1	1	24.72	24.72	1	24.72	1	1
		2	1	24.72	24.72	1	24.72	1	1
		3	1	24.72	24.72	1	24.72	1	1
		4	1	24.72	24.72	1	24.72	1	1
	MIDDLE	5	1	24.72	24.72	1	24.72	1	1
		6	1	24.72	24.72	1	24.72	1	1
		7	1	24.72	24.72	1	24.72	1	1
		8	1	24.72	24.72	1	24.72	1	1
	LOWER	9	1	24.72	24.72	1	24.72	1	1
		10	1	24.72	24.72	1	24.72	1	1
		11	1	24.72	24.72	1	24.72	1	1
		12	1	24.72	24.72	1	24.72	1	1
150mm	UPPER	1	1	36.00	36.00	1	36.00	1	1
		2	1	36.00	36.00	1	36.00	1	1
		3	1	36.00	36.00	1	36.00	1	1
		4	1	36.00	36.00	1	36.00	1	1
	MIDDLE	5	1	36.00	36.00	1	36.00	1	1
		6	1	36.00	36.00	1	36.00	1	1
		7	1	36.00	36.00	1	36.00	1	1
		8	1	36.00	36.00	1	36.00	1	1
	LOWER	9	1	36.00	36.00	1	36.00	1	1
		10	1	36.00	36.00	1	36.00	1	1
		11	1	36.00	36.00	1	36.00	1	1
		12	1	36.00	36.00	1	36.00	1	1
200mm	UPPER	1	1	48.00	48.00	1	48.00	1	1
		2	1	48.00	48.00	1	48.00	1	1
		3	1	48.00	48.00	1	48.00	1	1
		4	1	48.00	48.00	1	48.00	1	1
	MIDDLE	5	1	48.00	48.00	1	48.00	1	1
		6	1	48.00	48.00	1	48.00	1	1
		7	1	48.00	48.00	1	48.00	1	1
		8	1	48.00	48.00	1	48.00	1	1
	LOWER	9	1	48.00	48.00	1	48.00	1	1
		10	1	48.00	48.00	1	48.00	1	1
		11	1	48.00	48.00	1	48.00	1	1
		12	1	48.00	48.00	1	48.00	1	1

SR	Measurement	L75 Band 20 (Hz)						upper limit (mJ)	Lower limit (mJ)
		on line	off line	low	high	upper limit (mJ)	lower limit (mJ)		
		Percentage (%)	Percentage (%)	min	max	min	max		
Q700	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50
		3	50	0.000	0.000	0.000	0.000	1	50
		4	50	0.000	0.000	0.000	0.000	1	50
	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50
		3	50	0.000	0.000	0.000	0.000	1	50
		4	50	0.000	0.000	0.000	0.000	1	50
	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50
		3	50	0.000	0.000	0.000	0.000	1	50
		4	50	0.000	0.000	0.000	0.000	1	50
Q700	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50
		3	50	0.000	0.000	0.000	0.000	1	50
		4	50	0.000	0.000	0.000	0.000	1	50
	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50
		3	50	0.000	0.000	0.000	0.000	1	50
		4	50	0.000	0.000	0.000	0.000	1	50
	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50
		3	50	0.000	0.000	0.000	0.000	1	50
		4	50	0.000	0.000	0.000	0.000	1	50
Q700	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50
		3	50	0.000	0.000	0.000	0.000	1	50
		4	50	0.000	0.000	0.000	0.000	1	50
	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50
		3	50	0.000	0.000	0.000	0.000	1	50
		4	50	0.000	0.000	0.000	0.000	1	50
	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50
		3	50	0.000	0.000	0.000	0.000	1	50
		4	50	0.000	0.000	0.000	0.000	1	50
Q700	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50
		3	50	0.000	0.000	0.000	0.000	1	50
		4	50	0.000	0.000	0.000	0.000	1	50
	Q700	1	50	0.000	0.000	0.000	0.000	1	50
		2	50	0.000	0.000	0.000	0.000	1	50

n2 (SCS 15 kHz) (Am2)									
BW	MCS Index	RB Set	RB Offset	Low	BM	High	Max. Time-up (s)	Max. Time-up (s)	Max. Time-up (s)
		Channel	Frequency (MHz)	Start	End	End			
20M	OFDM-OFDM PUSCH	1	1	22.51	22.95	22.97	24		
		1	53	22.88	22.95	22.92	24		
		1	104	22.77	22.86	22.76	24		
		50	0	22.46	22.50	22.58	23.5		
		50	38	22.98	23.06	22.96	24		
		50	56	23.48	23.51	23.43	23.5		
		100	0	22.44	22.54	22.58	23.5		
	OFDM-OFDM PUSCH	1	1	23.05	23.09	22.98	24		
		1	53	23.00	23.06	22.92	24		
		1	104	22.95	22.98	22.85	24		
		50	0	21.98	22.02	21.94	23		
		50	38	23.01	23.08	22.94	24		
		50	56	21.96	22.01	21.87	23		
5M	OFDM-OFDM PUSCH	100	0	22.00	22.04	21.94	23		
		1	1	21.92	21.97	21.91	23		
		1	1	20.51	20.56	20.48	21.5		
		1	1	18.55	18.60	18.48	19.5		

n5 (SCS 15 kHz) (Am2)									
BW	MCS Index	RB Set	RB Offset	Low	BM	High	Max. Time-up (s)	Max. Time-up (s)	Max. Time-up (s)
		Channel	Frequency (MHz)	Start	End	End			
20M	OFDM-OFDM PUSCH	1	1	23.09	23.12	23.03	24		
		1	53	23.09	23.12	23.03	24		
		1	104	22.82	22.85	22.87	24		
		50	0	22.85	22.86	22.85	23.5		
		50	38	23.10	23.13	23.13	24		
		50	56	23.51	23.52	23.56	23.5		
	OFDM-OFDM PUSCH	100	0	22.84	22.86	22.83	23.5		
		1	1	23.17	23.18	23.14	24		
		1	53	22.98	23.06	22.95	24		
		1	104	22.99	23.04	22.98	24		
		50	0	22.11	22.16	22.05	23		
		50	38	23.08	23.13	23.03	24		
5M	OFDM-OFDM PUSCH	50	56	21.89	21.98	21.87	23		
		100	0	22.10	22.15	22.07	23		
		1	1	21.80	21.81	21.79	23		
		1	1	20.40	20.39	20.29	21.5		

n7 (SCS 15 kHz) (Am2)									
BW	MCS Index	RB Set	RB Offset	Low	BM	High	Max. Time-up (s)	Max. Time-up (s)	Max. Time-up (s)
		Channel	Frequency (MHz)	Start	End	End			
40M	OFDM-OFDM PUSCH	1	1	23.05	22.92	22.94	24		
		1	507	23.03	22.87	22.89	24		
		1	214	22.88	22.80	22.82	24		
		100	0	22.82	22.29	22.35	23.5		
		100	54	22.88	22.38	22.81	24		
		100	108	22.58	22.53	22.51	23.5		
	OFDM-OFDM PUSCH	214	0	22.57	22.31	22.36	23.5		
		1	1	23.05	23.00	23.08	24		
		1	507	23.06	22.94	23.01	24		
		1	214	23.05	22.88	23.02	24		
		100	0	22.12	21.95	22.09	23		
		100	54	21.94	22.92	22.87	24		
5M	OFDM-OFDM PUSCH	100	108	22.03	21.97	21.98	23		
		214	0	22.03	21.97	21.98	23		
		1	1	21.78	21.71	21.66	23		
		1	1	20.37	20.32	20.29	21.5		

n12 (SCS 15 kHz) (Am2)									
BW	MCS Index	RB Set	RB Offset	Low	BM	High	Max. Time-up (s)	Max. Time-up (s)	Max. Time-up (s)
		Channel	Frequency (MHz)	Start	End	End			
10M	OFDM-OFDM PUSCH	1	1	22.89	22.85	22.78	24		
		1	38	22.94	22.89	22.85	24		
		1	77	22.82	22.82	22.79	24		
		38	0	22.85	22.27	22.33	23.5		
		38	32	22.82	22.86	22.79	24		
		38	43	22.30	22.28	22.23	23.5		
	OFDM-OFDM PUSCH	75	0	22.30	22.30	22.24	23.5		
		1	1	22.98	22.81	22.81	24		
		1	38	22.81	22.73	22.70	24		
		1	77	22.80	22.79	22.78	24		
		38	0	21.85	21.80	21.73	23		
		38	32	21.88	21.82	21.77	24		
5M	OFDM-OFDM PUSCH	38	43	21.79	21.74	21.68	23		
		75	0	21.98	21.87	21.83	23		
		1	1	22.11	22.01	21.97	23		
		1	1	20.38	20.28	20.28	21.5		

n14 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Set	RB Offset	Low	Mid	High	Max. Tx Power (dBm)
		Channel Frequency (MHz)	Channel	785			
10M	OFDM-CDMA PUSC BPSK	1	1	22.92		24	
		1	25	22.92		24	
		1	50	22.92		24	
		25	0	22.95		23.5	
		25	14	22.95		24	
		25	27	22.95		23.5	
		50	0	22.92		23.5	
	OFDM-CDMA QPSK	1	1	22.95		24	
		1	25	22.95		24	
		1	50	22.95		24	
		25	0	22.05		23	
		25	14	22.05		24	
		25	27	21.95		23	
BW	MCS Index	Channel		18000	18000	18000	Max. Tx Power (dBm)
		Frequency (MHz)		785.5	785	785.5	
		OFDM-CDMA PUSC		1	1	22.85	
		OFDM-CDMA QPSK		1	1	22.91	

n25 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Set	RB Offset	Low	Mid	High	Max. Tx Power (dBm)
		Channel	Channel	1800	1800.5	1800	
40M	OFDM-CDMA PUSC BPSK	Frequency (MHz)		1800	1800.5	1800	
		1	1	22.70	22.75	22.82	24
		1	107	22.84	22.88	22.94	24
		1	214	22.76	22.77	22.82	24
		100	0	22.35	22.40	22.45	23.5
		100	54	22.76	22.79	22.86	24
		100	108	22.41	22.45	22.49	23.5
	OFDM-CDMA QPSK	216	0	22.39	22.39	22.39	23.5
		1	1	22.91	22.97	23.05	24
		1	107	22.80	22.85	22.87	24
		1	214	22.85	22.94	22.95	24
		100	0	21.91	21.99	22.02	23
		100	54	22.86	22.87	22.93	24
OFDM-CDMA QPSK	100	108	21.93	22.03	22.07	23	
	216	0	21.92	21.90	22.00	23	
	1	1	22.80	22.85	22.91	25	
	1	1	20.42	20.47	20.53	23.5	
BW <th rowspan="2">MCS Index</th> <th colspan="2">Channel</th> <td>17100</td> <td>17000</td> <td>16900</td> <th rowspan="2">Max. Tx Power (dBm)</th>	MCS Index	Channel		17100	17000	16900	Max. Tx Power (dBm)
		Frequency (MHz)	1800	1800.5	1800		
30M	OFDM-CDMA PUSC	1	1	22.83	22.90	23.00	24
BW <th rowspan="2">MCS Index</th> <th colspan="2">Channel</th> <td>17100</td> <td>17000</td> <td>16900</td> <th rowspan="2">Max. Tx Power (dBm)</th>	MCS Index	Channel		17100	17000	16900	Max. Tx Power (dBm)
		Frequency (MHz)	1800	1800.5	1800		
20M	OFDM-CDMA QPSK	1	1	22.87	22.92	23.02	24
		Frequency (MHz) <td>1800</td> <td>1800.5</td> <td>1800</td>	1800	1800.5	1800		
20M	OFDM-CDMA QPSK	1	1	22.84	22.89	23.01	24
		Channel		17100	17000	16900	
10M	OFDM-CDMA QPSK	1	1	22.90	22.96	23.02	24
		Frequency (MHz) <td>1807.5</td> <td>1807.5</td> <td>1807.5</td> <td></td>	1807.5	1807.5	1807.5		
BW <th rowspan="2">MCS Index</th> <th colspan="2">Channel</th> <td>17100</td> <td>17000</td> <td>16900</td> <th rowspan="2">Max. Tx Power (dBm)</th>	MCS Index	Channel		17100	17000	16900	Max. Tx Power (dBm)
		Frequency (MHz)	1800	1800.5	1800		
10M	OFDM-CDMA QPSK	1	1	22.87	22.94	22.97	24
		Channel		17100	17000	16900	
5M	OFDM-CDMA QPSK	1	1	22.88	22.89	22.93	24
		Frequency (MHz) <td>1802.5</td> <td>1802.5</td> <td>1802.5</td> <td></td>	1802.5	1802.5	1802.5		

n30 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Set	RB Offset	Low	Mid	High	Max. Tx Power (dBm)
		Channel Frequency (MHz)	Channel	2100	2100	2100	
10M	OFDM-CDMA PUSC BPSK	1	1	22.98		24	
		1	25	22.98		24	
		1	50	22.92		24	
		25	0	22.88		23.5	
		25	14	22.72		24	
		25	27	22.17		23.5	
		50	0	22.96		23.5	
	OFDM-CDMA QPSK	1	1	22.91		24	
		1	25	22.95		24	
		1	50	22.78		24	
		25	0	21.79		23	
		25	14	22.76		24	
		25	27	21.73		23	
OFDM-CDMA QPSK	50	0	21.76		23		
	1	1	21.65		23		
	1	25	21.65		23.5		
	1	50	21.53		23.5		
BW	MCS Index	Channel		16100	16000	15900	Max. Tx Power (dBm)
		Frequency (MHz)		2107.5	2100	2107.5	
5M	OFDM-CDMA PUSC BPSK	1	1	22.61	22.70	22.64	

n38 (SCS 30 kHz) (Ant1)							
BW	MCS Index	RB Set	RB Offset	Low	Mid	High	Max. Tx Power (dBm)
		Channel Frequency (MHz)	Channel	10000	10000	10000	
40M	OFDM-CDMA PUSC BPSK	1	1	23.04	23.12	23.10	24
		1	52	22.96	23.06	23.02	24
		1	104	22.98	23.13	23.10	24
		50	0	22.95	22.70	22.60	23.5
		50	26	22.90	23.13	23.06	24
		50	56	22.62	22.76	22.68	23.5
		100	0	22.95	22.69	22.72	23.5
	OFDM-CDMA QPSK	1	1	23.03	23.14	23.06	24
		1	52	22.95	23.10	22.97	24
		1	104	23.04	23.09	23.05	24
		50	0	22.08	22.18	22.13	23
		50	26	23.01	23.08	23.05	24
		50	56	22.25	22.31	22.26	23
BW	MCS Index	Channel		16700	16600	16500	Max. Tx Power (dBm)
		Frequency (MHz)		10000	10000	10000	
		OFDM-CDMA PUSC		1	1	23.03	
		OFDM-CDMA QPSK		1	1	23.09	
30M	OFDM-CDMA PUSC	1	1	23.02	22.99	22.98	24
BW	MCS Index	Channel		10000	10000	10000	Max. Tx Power (dBm)
		Frequency (MHz)		10000	10000	10000	
20M	OFDM-CDMA QPSK	1	1	22.97	23.02	23.01	24

n41 (SCS 30 kHz) (Ant1)							
BW	MCS Index	RB Set	RB Offset	Low	Mid	High	Max. Tx Power (dBm)
		Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	
100M	OFDM-OFDM PUSCH	1	1	23.03	23.00	23.09	24
		1	137	22.86	22.96	23.07	24
		1	271	22.80	22.75	22.87	24
		135	0	22.43	22.36	22.60	23.5
		135	60	22.98	22.85	23.10	24
		135	136	22.40	22.36	22.63	23.5
		270	0	22.34	22.45	22.57	23.5
		1	1	23.03	23.00	23.13	24
	OFDM-OFDM PDSCH	1	137	22.02	23.04	23.12	24
		1	272	22.75	22.77	22.91	24
		135	0	22.02	22.05	22.18	23
		135	60	22.94	23.05	23.12	24
		135	136	22.12	22.25	22.29	23
		270	0	21.87	22.02	22.09	23
	OFDM-MFDD PUSCH	1	1	21.49	21.53	21.71	23
	OFDM-MFDD PDSCH	1	1	20.15	20.24	20.34	21.5
	OFDM-MFDD PUSCH	1	1	18.29	18.40	18.51	19.5
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
30M	OFDM-OFDM PUSCH	1	1	23.03	23.04	23.11	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
30M	OFDM-OFDM PDSCH	1	1	22.92	22.97	23.11	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
40M	OFDM-OFDM PUSCH	1	1	22.99	23.02	23.04	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
50M	OFDM-OFDM PUSCH	1	1	22.99	23.04	23.06	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
50M	OFDM-OFDM PDSCH	1	1	22.99	23.04	23.01	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
50M	OFDM-OFDM PUSCH	1	1	22.96	22.95	23.04	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
20M	OFDM-OFDM PUSCH	1	1	22.89	23.02	23.09	24

n41 (SCS 30 kHz) Ant 1+2								
BW	MCS Index	RB Set	RB Offset	Low	Mid	High	Max. Tx Power (dBm)	
		Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)		
100M	OFDM-OFDM PUSCH	1	1	22.47	22.78	22.73	24	
		1	137	22.29	22.47	22.61	24	
		1	271	22.31	22.30	22.42	24	
		137	0	20.77	20.77	21.04	22	
		137	60	20.18	20.40	20.57	24	
		137	136	20.50	20.04	21.11	22	
		270	0	20.64	20.50	20.07	22	
		OFDM-OFDM PDSCH	1	1	21.93	21.90	22.07	23
		OFDM-OFDM PDSCH	1	1	20.00	19.94	20.06	21
		OFDM-OFDM PDSCH	1	1	17.38	17.39	17.05	19
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)	
30M	OFDM-OFDM PUSCH	1	1	22.43	22.61	22.58	24	
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)	
30M	OFDM-OFDM PDSCH	1	1	22.43	22.59	22.57	24	
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)	
30M	OFDM-OFDM PUSCH	1	1	22.36	22.62	22.53	24	
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)	
30M	OFDM-OFDM PDSCH	1	1	22.46	22.40	22.35	24	
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)	
40M	OFDM-OFDM PUSCH	1	1	22.39	22.45	22.23	24	
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)	
30M	OFDM-OFDM PUSCH	1	1	22.51	22.69	22.17	24	
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)	
20M	OFDM-OFDM PUSCH	1	1	22.32	22.45	22.29	24	

n48 (SCS 30 kHz) (Ant7)							
BW	MCS Index	RB Set	RB Offset	Low	Mid	High	Max. Tx Power (dBm)
		Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	
40M	OFDM-OFDM PUSCH	1	1	23.07	23.00	23.14	24
		1	52	23.15	23.06	23.30	24
		1	104	23.23	23.17	23.37	24
		50	0	22.60	22.67	22.62	23.5
		50	38	23.11	23.26	23.37	24
		50	56	23.73	22.67	22.94	23.5
		100	0	22.60	22.96	22.78	23.5
		1	1	23.29	23.31	23.46	24
	OFDM-OFDM PDSCH	1	52	23.23	23.14	23.39	24
		1	104	23.29	23.31	23.41	24
		50	0	22.20	22.20	22.42	23
		50	38	23.27	23.13	23.38	24
		50	56	22.20	22.21	22.47	23
		100	0	22.23	22.19	22.38	23
		1	1	22.51	22.17	22.40	23
		1	1	20.63	20.73	20.95	21.5
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
20M	OFDM-OFDM PUSCH	1	1	23.23	23.19	23.42	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
20M	OFDM-OFDM PDSCH	1	1	23.25	23.18	23.36	24

n56 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Set	RB Offset	Low	Mid	High	Max. Tx Power (dBm)
		Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	
40M	OFDM-OFDM PUSCH	1	1	22.89	23.01	22.95	24
		1	107	22.94	22.98	22.95	24
		1	214	22.78	22.88	22.87	24
		108	0	22.49	22.58	22.56	23.5
		108	54	22.80	22.96	22.92	24
		108	108	22.52	22.58	22.57	23.5
		216	0	22.48	22.58	22.56	23.5
		1	1	23.02	23.13	23.08	24
	OFDM-OFDM PDSCH	1	107	23.04	23.13	23.05	24
		1	214	23.02	23.04	22.98	24
		108	0	22.02	22.07	22.04	23
		108	54	22.90	23.05	23.05	24
		108	108	22.00	22.15	22.14	23
		216	0	21.98	22.08	22.02	23
		1	1	21.97	22.06	22.07	23
		1	1	20.57	20.67	20.63	21.5
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
30M	OFDM-OFDM PUSCH	1	1	22.97	23.07	23.03	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
30M	OFDM-OFDM PDSCH	1	1	22.92	23.02	23.09	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
30M	OFDM-OFDM PUSCH	1	1	22.92	23.12	23.00	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
30M	OFDM-OFDM PUSCH	1	1	22.87	23.12	23.04	24
BW	MCS Index	Channel		Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Max. Tx Power (dBm)
30M	OFDM-OFDM PUSCH	1	1	22.98	23.04	23.03	24

n71 (SCS 30 kHz) (Am7)									
BW	MCS Index	RB Set	RB Offset	Low	High	Max. Time-up (s)			
		Channel Frequency (MHz)	Channel	Start	End		RB Set	RB Offset	Max. Time-up (s)
20M	OFDM-OFDM PUSC	1	1	22.88	22.91	24			
		53	1	22.87	23.00	24			
		104	1	22.85	22.96	24			
		50	0	22.46	22.50	23.5			
		50	20	22.97	23.01	24			
	OFDM-OFDM PUSC	50	50	23.48	23.54	23.5			
		100	0	22.52	22.52	23.5			
		1	1	23.08	23.12	24			
		53	1	23.02	23.07	23.07			
		104	1	23.04	23.11	23.09			
10M	OFDM-OFDM PUSC	50	0	22.02	22.05	21.88			
		50	80	23.00	23.08	23.07			
		50	50	21.97	22.06	22.03			
		100	0	22.05	22.06	22.03			
		1	1	21.97	22.04	22.01			
	OFDM-OFDM PUSC	1	1	20.49	20.54	20.48			
		1	1	18.53	18.57	18.54			
		Channel			18000	18000			
		MCS Index	0	0	0	0			
		MCS Index	1	1	1	1			

n77 (SCS 30 kHz) (Am7) 3450MHz-3550MHz for FCC									
BW	MCS Index	RB Set	RB Offset	Low	High	Max. Time-up (s)			
		Channel Frequency (MHz)	Channel	Start	End		RB Set	RB Offset	Max. Time-up (s)
100M	OFDM-OFDM PUSC	1	1	22.78	22.78	24			
		1	137	22.76	22.76	24			
		1	271	22.81	22.81	24			
		135	0	22.34	22.34	23.5			
		135	60	22.77	22.77	24			
	OFDM-OFDM PUSC	135	138	22.34	22.34	23.5			
		270	0	22.30	22.30	23.5			
		1	1	22.95	22.95	24			
		1	137	22.97	22.97	24			
		1	271	22.97	22.97	24			
50M	OFDM-OFDM PUSC	135	0	21.88	21.88	23			
		135	60	21.88	21.88	24			
		135	138	21.88	21.88	23			
		270	0	21.78	21.78	23			
		1	1	21.82	21.82	23			
	OFDM-OFDM PUSC	1	1	20.46	20.46	21.5			
		1	1	18.47	18.47	19.5			
		Channel			63000	63000			
		MCS Index	0	0	0	0			
		MCS Index	1	1	1	1			
30M	OFDM-OFDM PUSC	1	1	22.85	22.85	22.89			
		1	1	22.85	22.85	22.89			
		1	1	22.85	22.85	22.89			
		1	1	22.85	22.85	22.89			
		1	1	22.85	22.85	22.89			
	OFDM-OFDM PUSC	1	1	22.84	22.84	22.89			
		1	1	22.84	22.84	22.89			
		1	1	22.84	22.84	22.89			
		1	1	22.84	22.84	22.89			
		1	1	22.84	22.84	22.89			
15M	OFDM-OFDM PUSC	1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
	OFDM-OFDM PUSC	1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			

n77 (SCS 30 kHz) (Am7) 3700MHz-3800MHz for FCC									
BW	MCS Index	RB Set	RB Offset	Low	High	Max. Time-up (s)			
		Channel Frequency (MHz)	Channel	Start	End		RB Set	RB Offset	Max. Time-up (s)
100M	OFDM-OFDM PUSC	1	1	22.72	22.76	22.80			
		1	137	22.75	22.79	22.85			
		1	271	22.88	22.88	22.84			
		135	0	22.34	22.38	23.5			
		135	60	22.82	22.81	22.76			
	OFDM-OFDM PUSC	135	138	22.32	22.36	23.07			
		270	0	22.33	22.36	22.17			
		1	1	22.99	23.02	23.03			
		1	137	22.97	22.99	22.85			
		1	271	22.90	22.90	22.77			
50M	OFDM-OFDM PUSC	135	0	21.97	22.01	21.84			
		135	60	22.97	23.01	22.83			
		135	138	21.92	21.97	21.80			
		270	0	21.96	21.94	21.83			
		1	1	21.96	22.00	21.83			
	OFDM-OFDM PUSC	1	1	20.48	20.52	20.33			
		1	1	18.53	18.55	18.36			
		Channel			64000	64000			
		MCS Index	0	0	0	0			
		MCS Index	1	1	1	1			
30M	OFDM-OFDM PUSC	1	1	22.85	22.85	22.89			
		1	1	22.85	22.85	22.89			
		1	1	22.85	22.85	22.89			
		1	1	22.85	22.85	22.89			
		1	1	22.85	22.85	22.89			
	OFDM-OFDM PUSC	1	1	22.84	22.84	22.89			
		1	1	22.84	22.84	22.89			
		1	1	22.84	22.84	22.89			
		1	1	22.84	22.84	22.89			
		1	1	22.84	22.84	22.89			
15M	OFDM-OFDM PUSC	1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
	OFDM-OFDM PUSC	1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			
		1	1	22.83	22.83	22.84			

n78 (SCS 30 kHz) (Am7) 3450MHz-3550MHz for FCC										
BW	MCS Index	RB Set		Low	High	Max. Time-up (s)				
		Channel	RB Offset				Start	End		RB Set
100M	OFDM-OFDM PUSC	Frequency (MHz)		3450.0	3550.0					
		1	1	22.80	22.80	24				
		1	137	22.76	22.76	24				
		1	271	22.76	22.76	24				
		135	0	22.39	22.39	23.5				
	OFDM-OFDM PUSC	135	60	22.79	22.79	24				
		135	138	22.36	22.36	23.5				
		270	0	22.36	22.36	23.5				
		1	1	22.96	22.96	24				
		1	137	22.97	22.97	24				
50M	OFDM-OFDM PUSC	1	271	22.73	22.73	24				
		135	0	21.89	21.89	23				
		135	60	21.89	21.89	24				
		135	138	21.88	21.88	23				
		270	0	21.82	21.82	23				
	OFDM-OFDM PUSC	1	1	21.88	21.88	23				
		1	1	20.42	20.42	21.5				
		1	1	18.48	18.48	19.5				
		Channel		63000	63000					
		MCS Index	0	0	0	0				
30M	OFDM-OFDM PUSC	Channel		63000	63000					
		MCS Index	0	0	0	0				
		MCS Index	1	1	1	1				
		MCS Index	2	2	2	2				
		MCS Index	3	3	3	3				
	OFDM-OFDM PUSC	1	1	22.85	22.85	22.89				
		1	1	22.85	22.85	22.89				
		1	1	22.85	22.85	22.89				
		1	1	22.85	22.85	22.89				
		1	1	22.85	22.85	22.89				
15M	OFDM-OFDM PUSC	Channel		63000	63000					
		MCS Index	0	0	0	0				
		MCS Index	1	1	1	1				
		MCS Index	2	2	2	2				
		MCS Index	3	3	3	3				
	OFDM-OFDM PUSC	1	1	22.84	22.84	22.89				
		1	1	22.84	22.84	22.89				
		1	1	22.84	22.84	22.89				
		1	1	22.84	22.84	22.89				
		1	1	22.84	22.84	22.89				
7.5M	OFDM-OFDM PUSC	Channel		63000	63000					
		MCS Index	0	0	0	0				
		MCS Index	1	1	1	1				
		MCS Index	2	2	2	2				
		MCS Index	3	3	3	3				
	OFDM-OFDM PUSC	1	1	22.83	22.83	22.84				
		1	1	22.83	22.83	22.84				
		1	1	22.83	22.83	22.84				
		1	1	22.83	22.83	22.84				
		1	1	22.83	22.83	22.84				
3.75M	OFDM-OFDM PUSC	Channel		63000	63000					
		MCS Index	0	0	0	0				
		MCS Index	1	1	1	1				
		MCS Index	2	2	2	2				
		MCS Index	3	3	3	3				
	OFDM-OFDM PUSC	1	1	22.82	22.82	22.83				
		1	1	22.82	22.82	22.83				
		1	1	22.82	22.82	22.83				
		1	1	22.82	22.82	22.83				
		1	1	22.82	22.82	22.83				

n77 (SCS 30 kHz) (Ant7+6) 3450MHz-3550MHz for FCC									
BW	MCS Index	RB Size	RB Offset	RB	RB	RB	RB	Max. Turn-up (dB)	
		Channel	Channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)		
100M	CP-OFDM QPSK	1	1		22.23			24	
		1	137		22.34			24	
		1	275		22.42			24	
		137	0		22.37			22	
		137	46		22.35			24	
		137	136		22.50			22	
		275	0		22.42			22	
		CP-OFDM BPSK	1	1		22.65		23	
		CP-OFDM QPSK	1	1		22.37		21	
		CP-OFDM QPSK	1	1		17.27		19	
50M	MCS Index	Channel		62000	62000	62000	62000	Max. Turn-up	
		Frequency (MHz)		3485	3500.5	3504.50			
50M	CP-OFDM QPSK	1	1	22.18	22.21	22.19	24		
50M	MCS Index	Channel		62000	62000	63000	Max. Turn-up		
		Frequency (MHz)		3485.50	3500.5	3510			
50M	CP-OFDM QPSK	1	1	22.16	22.17	22.04	24		
50M	MCS Index	Channel		63000	63000	63030	Max. Turn-up		
		Frequency (MHz)		3485.5	3500.5	3514.50			
70M	CP-OFDM QPSK	1	1	22.10	22.08	22.01	24		
50M	MCS Index	Channel		63000	63000	63000	Max. Turn-up		
		Frequency (MHz)		3485	3500.5	3504.50			
60M	CP-OFDM QPSK	1	1	22.10	22.10	22.17	24		
50M	MCS Index	Channel		63000	63000	63000	Max. Turn-up		
		Frequency (MHz)		3475.50	3500.5	3520			
50M	CP-OFDM QPSK	1	1	22.09	22.16	22.04	24		
50M	MCS Index	Channel		63000	63000	63030	Max. Turn-up		
		Frequency (MHz)		3475.50	3500.5	3520.50			
40M	CP-OFDM QPSK	1	1	22.13	22.18	22.07	24		
50M	MCS Index	Channel		63000	63000	63000	Max. Turn-up		
		Frequency (MHz)		3485	3500.5	3504.50			
30M	CP-OFDM QPSK	1	1	22.18	22.15	22.10	24		
50M	MCS Index	Channel		63000	63000	63000	Max. Turn-up		
		Frequency (MHz)		3480.50	3500.5	3505			
20M	CP-OFDM QPSK	1	1	22.04	22.15	22.05	24		
50M	MCS Index	Channel		63000	63000	63030	Max. Turn-up		
		Frequency (MHz)		3485.50	3500.5	3504.50			
10M	CP-OFDM QPSK	1	1	22.08	22.12	22.10	24		

n77 (SCS 30 kHz) (Ant7+6) 3700MHz-3800MHz for FCC									
BW	MCS Index	RB Size	RB Offset	Low	RB	RB	RB	Max. Turn-up (dB)	
		Channel	Channel	Frequency (MHz)	2750	2800	2850		
100M	CP-OFDM QPSK	1	1	22.43	22.45	22.37	24		
		1	137	22.35	22.42	22.30	24		
		1	275	22.28	22.30	22.23	24		
		137	0	22.39	22.36	22.35	22		
		137	46	22.36	22.41	22.34	24		
		137	136	22.49	22.54	22.74	22		
		275	0	22.36	22.30	22.35	22		
		CP-OFDM BPSK	1	1	22.05	22.10	21.97	23	
		CP-OFDM QPSK	1	1	20.22	20.31	20.19	22	
		CP-OFDM QPSK	1	1	17.69	17.57	17.57	19	
50M	MCS Index	Channel		64000	64000	62000	Max. Turn-up		
		Frequency (MHz)		3715.50	3800	3504.50			
50M	CP-OFDM QPSK	1	1	22.37	22.30	22.35	24		
50M	MCS Index	Channel		64000	64000	62000	Max. Turn-up		
		Frequency (MHz)		3715.51	3800	3504.50			
50M	CP-OFDM QPSK	1	1	22.33	22.31	22.27	24		
50M	MCS Index	Channel		64000	64000	62000	Max. Turn-up		
		Frequency (MHz)		3715	3800	3505			
70M	CP-OFDM QPSK	1	1	22.32	22.43	22.26	24		
50M	MCS Index	Channel		64000	64000	62000	Max. Turn-up		
		Frequency (MHz)		3715.50	3800	3504.50			
60M	CP-OFDM QPSK	1	1	22.28	22.30	22.10	24		
50M	MCS Index	Channel		64000	64000	62000	Max. Turn-up		
		Frequency (MHz)		3715.50	3800	3504.50			
50M	CP-OFDM QPSK	1	1	22.40	22.41	22.34	24		
50M	MCS Index	Channel		64000	64000	64000	Max. Turn-up		
		Frequency (MHz)		3715	3800	3800			
40M	CP-OFDM QPSK	1	1	22.42	22.37	22.31	24		
50M	MCS Index	Channel		64000	64000	64000	Max. Turn-up		
		Frequency (MHz)		3715.50	3800	3804.50			
30M	CP-OFDM QPSK	1	1	22.28	22.30	22.30	24		
50M	MCS Index	Channel		64000	64000	64000	Max. Turn-up		
		Frequency (MHz)		3715.51	3800	3804.50			
20M	CP-OFDM QPSK	1	1	22.36	22.34	22.25	24		
50M	MCS Index	Channel		64000	64000	64000	Max. Turn-up		
		Frequency (MHz)		3715	3800	3805			
10M	CP-OFDM QPSK	1	1	22.42	22.42	22.29	24		

n78 (SCS 30 kHz) (Ant7+6) 3450MHz-3550MHz for FCC									
BW	MCS Index	RB Size	RB Offset	RB	RB	RB	RB	Max. Turn-up (dB)	
		Channel	Channel	Frequency (MHz)	62000	62000	62000		
100M	CP-OFDM QPSK	1	1		22.25			24	
		1	137		22.10			24	
		1	275		22.04			24	
		137	0		22.42			22	
		137	46		22.41			24	
		137	136		22.42			22	
		275	0		22.41			22	
		CP-OFDM BPSK	1	1		21.81		23	
		CP-OFDM QPSK	1	1		19.97		22	
		CP-OFDM QPSK	1	1		17.27		19	
50M	MCS Index	Channel		62000	62000	62000	Max. Turn-up		
		Frequency (MHz)		3485	3500.5	3504.50			
50M	CP-OFDM QPSK	1	1	22.21	22.20	22.19	24		
50M	MCS Index	Channel		62000	62000	62000	Max. Turn-up		
		Frequency (MHz)		3485.50	3500.5	3510			
50M	CP-OFDM QPSK	1	1	22.14	22.08	22.15	24		
50M	MCS Index	Channel		62000	62000	62000	Max. Turn-up		
		Frequency (MHz)		3485.5	3500.5	3514.50			
70M	CP-OFDM QPSK	1	1	22.14	22.13	22.14	24		
50M	MCS Index	Channel		62000	62000	62000	Max. Turn-up		
		Frequency (MHz)		3485	3500.5	3504.50			
60M	CP-OFDM QPSK	1	1	22.15	22.09	22.10	24		
50M	MCS Index	Channel		62000	62000	62000	Max. Turn-up		
		Frequency (MHz)		3475.50	3500.5	3520			
50M	CP-OFDM QPSK	1	1	22.07	22.16	22.16	24		
50M	MCS Index	Channel		62000	62000	62000	Max. Turn-up		
		Frequency (MHz)		3475.50	3500.5	3520.50			
40M	CP-OFDM QPSK	1	1	22.18	22.18	22.17	24		
50M	MCS Index	Channel		62000	62000	62000	Max. Turn-up		
		Frequency (MHz)		3485	3500.5	3504.50			
30M	CP-OFDM QPSK	1	1	22.11	22.14	22.10	24		
50M	MCS Index	Channel		62000	62000	62000	Max. Turn-up		
		Frequency (MHz)		3480.50	3500.5	3505			
20M	CP-OFDM QPSK	1	1	22.20	22.19	22.12	24		
50M	MCS Index	Channel		62000	62000	62000	Max. Turn-up		
		Frequency (MHz)		3485.50	3500.5	3504.50			
10M	CP-OFDM QPSK	1	1	22.10	22.11	22.10	24		

[illegible][illegible][illegible][illegible]

[illegible][illegible]

LTE Band 42 (E-UTRA) (7.445 GHz) (40 MHz)												
BWP	MCS Index	RB Set		RB Set	RB Set	RB Set	RB Set	RB Set	RB Set	RB Set	RB Set	RB Set
		RB Set	RB Set									
BWP1	QPSK	1	0	20,22	20,23	20,24	20,25	20,26	20,27	20,28	20,29	20,30
		2	0	20,31	20,32	20,33	20,34	20,35	20,36	20,37	20,38	20,39
		3	0	20,40	20,41	20,42	20,43	20,44	20,45	20,46	20,47	20,48
		4	0	20,49	20,50	20,51	20,52	20,53	20,54	20,55	20,56	20,57
		5	0	20,58	20,59	20,60	20,61	20,62	20,63	20,64	20,65	20,66
	16QAM	1	0	20,22	20,23	20,24	20,25	20,26	20,27	20,28	20,29	20,30
		2	0	20,31	20,32	20,33	20,34	20,35	20,36	20,37	20,38	20,39
		3	0	20,40	20,41	20,42	20,43	20,44	20,45	20,46	20,47	20,48
		4	0	20,49	20,50	20,51	20,52	20,53	20,54	20,55	20,56	20,57
		5	0	20,58	20,59	20,60	20,61	20,62	20,63	20,64	20,65	20,66
BWP2	QPSK	1	0	20,22	20,23	20,24	20,25	20,26	20,27	20,28	20,29	20,30
		2	0	20,31	20,32	20,33	20,34	20,35	20,36	20,37	20,38	20,39
		3	0	20,40	20,41	20,42	20,43	20,44	20,45	20,46	20,47	20,48
		4	0	20,49	20,50	20,51	20,52	20,53	20,54	20,55	20,56	20,57
		5	0	20,58	20,59	20,60	20,61	20,62	20,63	20,64	20,65	20,66
	16QAM	1	0	20,22	20,23	20,24	20,25	20,26	20,27	20,28	20,29	20,30
		2	0	20,31	20,32	20,33	20,34	20,35	20,36	20,37	20,38	20,39
		3	0	20,40	20,41	20,42	20,43	20,44	20,45	20,46	20,47	20,48
		4	0	20,49	20,50	20,51	20,52	20,53	20,54	20,55	20,56	20,57
		5	0	20,58	20,59	20,60	20,61	20,62	20,63	20,64	20,65	20,66
BWP3	QPSK	1	0	20,22	20,23	20,24	20,25	20,26	20,27	20,28	20,29	20,30
		2	0	20,31	20,32	20,33	20,34	20,35	20,36	20,37	20,38	20,39
		3	0	20,40	20,41	20,42	20,43	20,44	20,45	20,46	20,47	20,48
		4	0	20,49	20,50	20,51	20,52	20,53	20,54	20,55	20,56	20,57
		5	0	20,58	20,59	20,60	20,61	20,62	20,63	20,64	20,65	20,66
	16QAM	1	0	20,22	20,23	20,24	20,25	20,26	20,27	20,28	20,29	20,30
		2	0	20,31	20,32	20,33	20,34	20,35	20,36	20,37	20,38	20,39
		3	0	20,40	20,41	20,42	20,43	20,44	20,45	20,46	20,47	20,48
		4	0	20,49	20,50	20,51	20,52	20,53	20,54	20,55	20,56	20,57

LTE Band 42 FCC Part 66 (Ann)										
SW	MCS Index	Channel		AR (MHz)	AR (MHz)	AR (MHz)	AR (MHz)	AR (MHz)	AR (MHz)	Max. Tx Power (dBm)
		Frequency (MHz)	Bandwidth (MHz)							
QPSK	1	50	50.36	50.36	50.36	0	21			
	2	50	50.37	50.37	50.37	1	21			
	3	50	50.38	50.38	50.38	1	21			
	4	50	50.39	50.39	50.39	1	21			
	5	50	50.40	50.40	50.40	1	21			
	6	50	50.41	50.41	50.41	1	21			
	7	50	50.42	50.42	50.42	1	21			
	8	50	50.43	50.43	50.43	1	21			
	9	50	50.44	50.44	50.44	1	21			
	10	50	50.45	50.45	50.45	1	21			
	11	50	50.46	50.46	50.46	1	21			
	12	50	50.47	50.47	50.47	1	21			
16QAM	1	50	50.48	50.48	50.48	1	21			
	2	50	50.49	50.49	50.49	1	21			
	3	50	50.50	50.50	50.50	1	21			
	4	50	50.51	50.51	50.51	1	21			
	5	50	50.52	50.52	50.52	1	21			
	6	50	50.53	50.53	50.53	1	21			
	7	50	50.54	50.54	50.54	1	21			
	8	50	50.55	50.55	50.55	1	21			
	9	50	50.56	50.56	50.56	1	21			
	10	50	50.57	50.57	50.57	1	21			
	11	50	50.58	50.58	50.58	1	21			
	12	50	50.59	50.59	50.59	1	21			
64QAM	1	50	50.60	50.60	50.60	1	21			
	2	50	50.61	50.61	50.61	1	21			
	3	50	50.62	50.62	50.62	1	21			
	4	50	50.63	50.63	50.63	1	21			
	5	50	50.64	50.64	50.64	1	21			
	6	50	50.65	50.65	50.65	1	21			
	7	50	50.66	50.66	50.66	1	21			
	8	50	50.67	50.67	50.67	1	21			
	9	50	50.68	50.68	50.68	1	21			
	10	50	50.69	50.69	50.69	1	21			
	11	50	50.70	50.70	50.70	1	21			
	12	50	50.71	50.71	50.71	1	21			
QPSK	1	50	50.72	50.72	50.72	1	21			
	2	50	50.73	50.73	50.73	1	21			
	3	50	50.74	50.74	50.74	1	21			
	4	50	50.75	50.75	50.75	1	21			
	5	50	50.76	50.76	50.76	1	21			
	6	50	50.77	50.77	50.77	1	21			
	7	50	50.78	50.78	50.78	1	21			
	8	50	50.79	50.79	50.79	1	21			
	9	50	50.80	50.80	50.80	1	21			
	10	50	50.81	50.81	50.81	1	21			
	11	50	50.82	50.82	50.82	1	21			
	12	50	50.83	50.83	50.83	1	21			
16QAM	1	50	50.84	50.84	50.84	1	21			
	2	50	50.85	50.85	50.85	1	21			
	3	50	50.86	50.86	50.86	1	21			
	4	50	50.87	50.87	50.87	1	21			
	5	50	50.88	50.88	50.88	1	21			
	6	50	50.89	50.89	50.89	1	21			
	7	50	50.90	50.90	50.90	1	21			
	8	50	50.91	50.91	50.91	1	21			
	9	50	50.92	50.92	50.92	1	21			
	10	50	50.93	50.93	50.93	1	21			
	11	50	50.94	50.94	50.94	1	21			
	12	50	50.95	50.95	50.95	1	21			
64QAM	1	50	50.96	50.96	50.96	1	21			
	2	50	50.97	50.97	50.97	1	21			
	3	50	50.98	50.98	50.98	1	21			
	4	50	50.99	50.99	50.99	1	21			
	5	50	51.00	51.00	51.00	1	21			
	6	50	51.01	51.01	51.01	1	21			
	7	50	51.02	51.02	51.02	1	21			
	8	50	51.03	51.03	51.03	1	21			
	9	50	51.04	51.04	51.04	1	21			
	10	50	51.05	51.05	51.05	1	21			
	11	50	51.06	51.06	51.06	1	21			
	12	50	51.07	51.07	51.07	1	21			
QPSK	1	50	51.08	51.08	51.08	1	21			
	2	50	51.09	51.09	51.09	1	21			
	3	50	51.10	51.10	51.10	1	21			
	4	50	51.11	51.11	51.11	1	21			
	5	50	51.12	51.12	51.12	1	21			
	6	50	51.13	51.13	51.13	1	21			
	7	50	51.14	51.14	51.14	1	21			
	8	50	51.15	51.15	51.15	1	21			
	9	50	51.16	51.16	51.16	1	21			
	10	50	51.17	51.17	51.17	1	21			
	11	50	51.18	51.18	51.18	1	21			
	12	50	51.19	51.19	51.19	1	21			
16QAM	1	50	51.20	51.20	51.20	1	21			
	2	50	51.21	51.21	51.21	1	21			
	3	50	51.22	51.22	51.22	1	21			
	4	50	51.23	51.23	51.23	1	21			
	5	50	51.24	51.24	51.24	1	21			
	6	50	51.25	51.25	51.25	1	21			
	7	50	51.26	51.26	51.26	1	21			
	8	50	51.27	51.27	51.27	1	21			
	9	50	51.28	51.28	51.28	1	21			
	10	50	51.29	51.29	51.29	1	21			
	11	50	51.30	51.30	51.30	1	21			
	12	50	51.31	51.31	51.31	1	21			
64QAM	1	50	51.32	51.32	51.32	1	21			
	2	50	51.33	51.33	51.33	1	21			
	3	50	51.34	51.34	51.34	1	21			
	4	50	51.35	51.35	51.35	1	21			
	5	50	51.36	51.36	51.36	1	21			
	6	50	51.37	51.37	51.37	1	21			
	7	50	51.38	51.38	51.38	1	21			
	8	50	51.39	51.39	51.39	1	21			
	9	50	51.40	51.40	51.40	1	21			
	10	50	51.41	51.41	51.41	1	21			
	11	50	51.42	51.42	51.42	1	21			
	12	50	51.43	51.43	51.43	1	21			
QPSK	1	50	51.44	51.44	51.44	1	21			
	2	50	51.45	51.45	51.45	1	21			
	3	50	51.46	51.46	51.46	1	21			
	4	50	51.47	51.47	51.47	1	21			
	5	50	51.48	51.48	51.48	1	21			
	6	50	51.49	51.49	51.49	1	21			
	7	50	51.50	51.50	51.50	1	21			
	8	50	51.51	51.51	51.51	1	21			
	9	50	51.52	51.52	51.52	1	21			
	10	50	51.53	51.53	51.53	1	21			
	11	50	51.54	51.54	51.54	1	21			
	12	50	51.55	51.55	51.55	1	21			

n2 (SCS 15 kHz) (Am2)										
BW	MCS Index	RB Set	RB Offset	Min. Channel	Max. Channel	Min. Subcarriers	Max. Subcarriers	Max. Time (s)	Max. Throughput (kbps)	
		Frequency (MHz)	Channel	1800	2880	1800	2880			
20M	OFDM-OFDM PUSCH	1	1	19.83	19.88	19.83	21			
		1	52	19.80	19.79	19.74	21			
		1	104	19.74	19.77	19.68	21			
		50	0	19.80	19.80	19.82	21			
		50	38	19.87	19.81	19.86	21			
		50	50	19.80	19.81	19.77	21			
	OFDM-OFDM QPSK	100	0	19.82	19.87	19.81	21			
		1	1	20.00	20.02	19.99	21			
		1	52	19.98	19.99	19.98	21			
		1	104	19.94	19.95	19.93	21			
		50	0	19.99	19.97	19.94	21			
		50	38	19.90	19.90	19.91	21			
15M	OFDM-OFDM PUSCH	50	50	19.80	19.80	19.89	21			
		100	0	19.98	19.97	19.94	21			
		OFDM-OFDM QPSK	1	1	19.81	19.83	19.80	21		
		OFDM-OFDM QPSK	1	1	19.97	19.97	19.92	21		
		OFDM-OFDM QPSK	1	1	19.42	19.44	19.43	19.5		
		MCS Index	Channel	27300	27300	26900	Max. Throughput			
10M	OFDM-OFDM PUSCH	OFDM-OFDM QPSK	1	1	19.82	19.80	19.84	21		
		Channel	27300	27300	26900	Max. Throughput				
		MCS Index	Channel	27300	27300	26900	Max. Throughput			
		OFDM-OFDM QPSK	1	1	19.82	19.80	19.84	21		
		Channel	27300	27300	26900	Max. Throughput				
		MCS Index	Channel	27300	27300	26900	Max. Throughput			
5M	OFDM-OFDM PUSCH	OFDM-OFDM QPSK	1	1	19.87	19.80	19.88	21		
		Channel	27300	27300	26900	Max. Throughput				
		MCS Index	Channel	27300	27300	26900	Max. Throughput			
		OFDM-OFDM QPSK	1	1	19.87	19.80	19.88	21		
		Channel	27300	27300	26900	Max. Throughput				
		MCS Index	Channel	27300	27300	26900	Max. Throughput			

n7 (SCS 15 kHz) (Am2)										
BW	MCS Index	RB Set	RB Offset	Low	High	Min. Subcarriers	Max. Subcarriers	Max. Time (s)	Max. Throughput (kbps)	
		Frequency (MHz)	Channel	2011.5	2020	2000.5				
40M	OFDM-OFDM PUSCH	1	1	19.80	20.00	20.00	21			
		1	107	19.90	19.80	19.94	21			
		1	214	19.94	19.90	19.87	21			
		100	0	20.02	20.00	19.97	21			
		100	54	20.04	20.00	20.02	21			
		100	108	19.99	19.89	19.94	21			
	OFDM-OFDM QPSK	214	0	20.00	20.04	20.00	21			
		1	1	20.20	20.22	20.17	21			
		1	107	20.18	20.14	20.17	21			
		1	214	20.12	20.14	20.12	21			
		100	0	20.14	20.12	20.10	21			
		100	54	20.08	20.12	20.09	21			
30M	OFDM-OFDM PUSCH	100	108	20.00	20.14	20.00	21			
		214	0	20.14	20.14	20.15	21			
		OFDM-OFDM QPSK	1	1	19.98	20.00	19.95	21		
		OFDM-OFDM QPSK	1	1	20.17	20.14	20.12	21		
		OFDM-OFDM QPSK	1	1	19.55	19.60	19.60	19.5		
		MCS Index	Channel	30300	30300	30000	Max. Throughput			
20M	OFDM-OFDM PUSCH	OFDM-OFDM QPSK	1	1	20.20	20.12	20.11	21		
		Channel	30300	30300	30000	Max. Throughput				
		MCS Index	Channel	30300	30300	30000	Max. Throughput			
		OFDM-OFDM QPSK	1	1	20.12	20.12	20.12	21		
		Channel	30300	30300	30000	Max. Throughput				
		MCS Index	Channel	30300	30300	30000	Max. Throughput			
15M	OFDM-OFDM PUSCH	OFDM-OFDM QPSK	1	1	20.11	20.13	20.08	21		
		Channel	30300	30300	30000	Max. Throughput				
		MCS Index	Channel	30300	30300	30000	Max. Throughput			
		OFDM-OFDM QPSK	1	1	20.11	20.12	20.12	21		
		Channel	30300	30300	30000	Max. Throughput				
		MCS Index	Channel	30300	30300	30000	Max. Throughput			
10M	OFDM-OFDM PUSCH	OFDM-OFDM QPSK	1	1	20.13	20.12	20.12	21		
		Channel	30300	30300	30000	Max. Throughput				
		MCS Index	Channel	30300	30300	30000	Max. Throughput			
		OFDM-OFDM QPSK	1	1	20.13	20.12	20.12	21		
		Channel	30300	30300	30000	Max. Throughput				
		MCS Index	Channel	30300	30300	30000	Max. Throughput			
5M	OFDM-OFDM PUSCH	OFDM-OFDM QPSK	1	1	20.18	20.12	20.12	21		

n25 (SCS 15 kHz) (Am2)										
BW	MCS Index	RB Set	RB Offset	Low	High	Max. Throughput (kbps)	Max. Time (s)	Max. Throughput (kbps)	Max. Time (s)	
		Frequency (MHz)	Channel	3070	3082.5	3060				
40M	OFDM-OFDM PUSCH	1	1	19.89	19.80	19.77	21			
		1	107	19.89	19.73	19.67	21			
		1	214	19.87	19.84	19.88	21			
		100	0	19.78	19.73	19.70	21			
		100	54	19.74	19.80	19.72	21			
		100	108	19.74	19.73	19.68	21			
	OFDM-OFDM QPSK	214	0	19.73	19.74	19.70	21			
		1	1	19.92	19.97	19.91	21			
		1	107	19.90	19.86	19.89	21			
		1	214	19.85	19.87	19.87	21			
		100	0	19.84	19.87	19.80	21			
		100	54	19.81	19.83	19.81	21			
OFDM-OFDM PUSCH	100	108	19.76	19.80	19.76	21				
	214	0	19.88	19.88	19.89	21				
	OFDM-OFDM QPSK	1	1	19.89	19.73	19.68	21			
	OFDM-OFDM QPSK	1	1	19.89	19.87	19.84	21			
	OFDM-OFDM QPSK	1	1	19.32	19.31	19.30	19.5			
	MCS Index	Channel	37300	37300	36900	Max. Throughput				
20M	OFDM-OFDM PUSCH	1	1	19.82	19.80	19.82	21			
20M	OFDM-OFDM QPSK	Channel	37300	37300	36900	Max. Throughput				
		MCS Index	Channel	37300	37300	36900	Max. Throughput			
		OFDM-OFDM QPSK	1	1	19.87	19.87	19.89	21		
		Channel	37300	37300	36900	Max. Throughput				
		MCS Index	Channel	37300	37300	36900	Max. Throughput			
		OFDM-OFDM QPSK	1	1	19.85	19.87	19.82	21		
15M	OFDM-OFDM PUSCH	Channel	37300	37300	36900	Max. Throughput				
		MCS Index	Channel	37300	37300	36900	Max. Throughput			
		OFDM-OFDM QPSK	1	1	19.91	19.97	19.91	21		
		Channel	37300	37300	36900	Max. Throughput				
		MCS Index	Channel	37300	37300	36900	Max. Throughput			
		OFDM-OFDM QPSK	1	1	19.91	19.97	19.91	21		
10M	OFDM-OFDM PUSCH	Channel	37300	37300	36900	Max. Throughput				
		MCS Index	Channel	37300	37300	36900	Max. Throughput			
		OFDM-OFDM QPSK	1	1	19.93	19.97	19.92	21		
		Channel	37300	37300	36900	Max. Throughput				
		MCS Index	Channel	37300	37300	36900	Max. Throughput			
		OFDM-OFDM QPSK	1	1	19.93	19.97	19.92	21		

n38 (SCS 30 kHz) (Am2)										
BW	MCS Index	RB Set	RB Offset	Min. Channel	Max. Channel	Min. Subcarriers	Max. Subcarriers	Max. Time (s)	Max. Throughput (kbps)	
		Frequency (MHz)	Channel	3360	3360	3360				
40M	OFDM-OFDM PUSCH	1	1	20.00	20.04	20.00	21			
		1	52	19.92	20.00	20.00	21			
		1	104	19.90	20.00	20.00	21			
		50	0	19.97	20.00	19.99	21			
		50	26	19.96	20.02	20.02	21			
		50	56	19.89	20.04	20.03	21			
	OFDM-OFDM QPSK	100	0	19.89	19.94	19.92	21			
		1	1	20.08	20.12	20.09	21			
		1	52	20.03	20.07	20.04	21			
		1	104	19.93	19.99	19.98	21			
		50	0	19.90	19.94	19.95	21			
		50	26	19.89	19.94	19.94	21			
30M	OFDM-OFDM PUSCH	50	56	19.92	20.00	20.00	21			
		100	0	20.02	20.08	20.08	21			
		OFDM-OFDM QPSK	1	1	19.98	20.00	19.96	21		
		OFDM-OFDM QPSK	1	1	20.04	20.09	20.08	21		
		OFDM-OFDM QPSK	1	1	19.39	19.47	19.40	19.5		
		MCS Index	Channel	37300	37300	36900	Max. Throughput			
20M	OFDM-OFDM PUSCH	OFDM-OFDM QPSK	1	1	19.99	20.11	20.10	21		
		Channel	37300	37300	36900	Max. Throughput				
		MCS Index	Channel	37300	37300	36900	Max. Throughput			
		OFDM-OFDM QPSK	1	1	19.99	20.11	20.10	21		
		Channel	37300	37300	36900	Max. Throughput				
		MCS Index	Channel	37300	37300	36900	Max. Throughput			

a7b (EC3 30 MHz) (Auto) 3450MHz-3500MHz for FCC									
SW	MCB Index	Std Size	Std Offset	Channel	SW	MCB Index	Std Size	Std Offset	Channel
500M	DST + CH20 NOT BPSK	Channel		3500.00	6330A	6330A	Max. Turn-up		20.0
		Frequency (MHz)		3500.00			Max. Turn-up		20.0
		1	1	20.07			Max. Turn-up		21.0
		1	137	20.05			Max. Turn-up		21.0
		1	271	20.15			Max. Turn-up		21.0
		136	0	20.10			Max. Turn-up		21.0
		136	136	20.14			Max. Turn-up		21.0
		136	136	20.04			Max. Turn-up		21.0
		270	0	20.16			Max. Turn-up		21.0
	DST + CH20 QPSK	1	1	20.21			Max. Turn-up		21.0
		1	137	19.88			Max. Turn-up		21.0
		1	271	20.12			Max. Turn-up		21.0
		135	0	20.10			Max. Turn-up		21.0
		135	135	20.07			Max. Turn-up		21.0
		135	136	20.07			Max. Turn-up		21.0
		210	0	20.20			Max. Turn-up		21.0
		210	0	19.99			Max. Turn-up		21.0
	DST + CH20 25QPSK	1	1	20.12			Max. Turn-up		21.0
	DST + CH20 25QPSK	1	1	18.67			Max. Turn-up		19.0
SW	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
500M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0
SW	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
600M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0
SW	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
600M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0
700M	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
700M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0
SW	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
600M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0
SW	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
500M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0
SW	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
500M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0
SW	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
400M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0
SW	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
300M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0
SW	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
200M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0
SW	MCB Index	Channel		6330.00	6330A	6330A	Max. Turn-up		20.0
100M	MCB Index	Channel		3450.00	3450A	3450A	Max. Turn-up		20.0

Intra Band UL CA Full Power

CA 5B (Ant2)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Tune up Limit (dBm)
					RB Size	RB offset	RB Size	RB offset	Power (dBm)
20450	829	20549	838.9	QPSK	1	49	1	0	22.53
				16QAM	1	49	1	0	22.16
				64QAM	1	49	1	0	21.09
				256QAM	1	49	1	0	17.96
20476	831.6	20575	841.5	QPSK	1	49	1	0	22.86
				16QAM	1	49	1	0	22.08
				64QAM	1	49	1	0	21.05
				256QAM	1	49	1	0	17.91
20501	834.1	20600	844	QPSK	1	49	1	0	22.90
				16QAM	1	49	1	0	22.12
				64QAM	1	49	1	0	21.06
				256QAM	1	49	1	0	17.92

CA 38C (Ant1)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Tune up Limit (dBm)
					RB Size	RB offset	RB Size	RB offset	Power (dBm)
37850	2580	38048	2599.8	QPSK	1	99	1	0	22.85
				16QAM	1	99	1	0	21.71
				64QAM	1	99	1	0	20.55
				256QAM	1	99	1	0	17.82
37901	2585.1	38099	2604.9	QPSK	1	99	1	0	22.95
				16QAM	1	99	1	0	21.76
				64QAM	1	99	1	0	20.63
				256QAM	1	99	1	0	17.90
37952	2590.2	38150	2610	QPSK	1	99	1	0	22.90
				16QAM	1	99	1	0	21.73
				64QAM	1	99	1	0	20.64
				256QAM	1	99	1	0	17.88

CA 42C Pari27Q (Ant7)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Tune up Limit (dBm)
					RB Size	RB offset	RB Size	RB offset	Power (dBm)
42190	3460	42388	3479.8	QPSK	1	99	1	0	22.83
				16QAM	1	99	1	0	22.01
				64QAM	1	99	1	0	21.02
				256QAM	1	99	1	0	18.03
42491	3490.1	42689	3509.9	QPSK	1	99	1	0	22.81
				16QAM	1	99	1	0	22.02
				64QAM	1	99	1	0	21.05
				256QAM	1	99	1	0	18.09
42792	3520.2	42990	3540	QPSK	1	99	1	0	22.81
				16QAM	1	99	1	0	22.03
				64QAM	1	99	1	0	21.05
				256QAM	1	99	1	0	18.03

CA 66B (Ant1)									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Tune up Limit (dBm)
					RB Size	RB offset	RB Size	RB offset	Power (dBm)
132022	1715	132121	1724.9	QPSK	1	49	1	0	22.92
				16QAM	1	49	1	0	22.05
				64QAM	1	49	1	0	21.03
				256QAM	1	49	1	0	18.05
132373	1750.1	132472	1760	QPSK	1	49	1	0	22.93
				16QAM	1	49	1	0	22.00
				64QAM	1	49	1	0	21.00
				256QAM	1	49	1	0	18.12
132523	1765.1	132622	1775	QPSK	1	49	1	0	22.90
				16QAM	1	49	1	0	21.95
				64QAM	1	49	1	0	20.98
				256QAM	1	49	1	0	18.11

CA 7C (Ant1)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Tune up Limit (dBm)
					RB Size	RB offset	RB Size	RB offset	Power (dBm)
20850	2510	21048	2529.8	QPSK	1	99	1	0	22.67
				16QAM	1	99	1	0	22.05
				64QAM	1	99	1	0	21.00
				256QAM	1	99	1	0	17.79
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	22.72
				16QAM	1	99	1	0	22.05
				64QAM	1	99	1	0	21.05
				256QAM	1	99	1	0	17.89
21152	2540.2	21350	2560	QPSK	1	99	1	0	22.70
				16QAM	1	99	1	0	22.05
				64QAM	1	99	1	0	21.10
				256QAM	1	99	1	0	17.82

CA 41C (Ant1)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Tune up Limit (dBm)
					RB Size	RB offset	RB Size	RB offset	Power (dBm)
39750	2506	39948	2525.8	QPSK	1	99	1	0	22.98
				16QAM	1	99	1	0	22.14
				64QAM	1	99	1	0	21.91
				256QAM	1	99	1	0	18.08
40521	2583.1	40719	2602.9	QPSK	1	99	1	0	23.05
				16QAM	1	99	1	0	22.25
				64QAM	1	99	1	0	21.11
				256QAM	1	99	1	0	18.16
41292	2660.2	41490	2680	QPSK	1	99	1	0	23.10
				16QAM	1	99	1	0	22.25
				64QAM	1	99	1	0	21.29
				256QAM	1	99	1	0	18.25

CA 48C (Ant7)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Tune up Limit (dBm)
					RB Size	RB offset	RB Size	RB offset	Power (dBm)
55340	3560	55538	3579.8	QPSK	1	99	1	0	23.05
				16QAM	1	99	1	0	22.19
				64QAM	1	99	1	0	20.99
				256QAM	1	99	1	0	18.18
55891	3615.1	56089	3634.9	QPSK	1	99	1	0	23.02
				16QAM	1	99	1	0	22.15
				64QAM	1	99	1	0	20.95
				256QAM	1	99	1	0	18.11
56442	3670.2	56640	3690	QPSK	1	99	1	0	23.10
				16QAM	1	99	1	0	22.22
				64QAM	1	99	1	0	21.05
				256QAM	1	99	1	0	18.25

CA 66C (Ant1)									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Tune up Limit (dBm)
					RB Size	RB offset	RB Size	RB offset	measured Power (dBm)
132072	1720	132270	1739.8	QPSK	1	99	1	0	22.90
				16QAM	1	99	1	0	22.09
				64QAM	1	99	1	0	21.08
				256QAM	1	99	1	0	18.11
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	22.93
				16QAM	1	99	1	0	22.05
				64QAM	1	99	1	0	21.12
				256QAM	1	99	1	0	18.14
132374	1750.2	132572	1770	QPSK	1	99	1	0	22.90
				16QAM	1	99	1	0	22.05
				64QAM	1	99	1	0	21.08
				256QAM	1	99	1	0	18.18

DL CA Power

CA List	PCC							SCC				Power	
	LTE	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA
	Band	(MHz)	Freq.	Channel		RB	RB	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
			(MHz)				Offset			(MHz)		(dBm)	(dBm)
CA_2A-4A	Band 2	20M	1860	18700	QPSK	1	0	Band 4	20M	2132.5	2175	22.85	22.89
CA_2A-5A	Band 2	20M	1860	18700	QPSK	1	0	Band 5	10M	881.5	2525	22.73	22.89
CA_2A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	2655	3100	22.82	22.89
CA_2A-12A	Band 2	20M	1860	18700	QPSK	1	0	Band 12	10M	737.5	5095	22.84	22.89
CA_2A-13A	Band 2	20M	1860	18700	QPSK	1	0	Band 13	10M	751	5230	22.72	22.89
CA_2A-66A	Band 2	20M	1860	18700	QPSK	1	0	Band 66	20M	2155	66886	22.92	22.89
CA_4A-12A	Band 4	20M	1745	20300	QPSK	1	0	Band 12	10M	737.5	5095	22.93	22.84
CA_4A-13A	Band 4	20M	1745	20300	QPSK	1	0	Band 13	10M	751	5230	22.79	22.84
CA_5A-7A	Band 5	10M	844	20600	QPSK	1	0	Band 7	20M	2655	3100	23.14	22.94
CA_5A-66A	Band 5	10M	844	20600	QPSK	1	0	Band 66	20M	2155	66886	23.09	22.94
CA_12A-66A	Band 12	10M	707.5	23095	QPSK	1	49	Band 66	20M	2155	66886	23	22.89
CA_13A-66A	Band 13	10M	782	23230	QPSK	1	0	Band 66	20M	2155	66886	22.77	22.92
CA_41A-42A	Band 41	20M	2680	41490	QPSK	1	0	Band 42	20M	3500	42590	23.33	23.19
CA_5B	Band 5	10M	844	20600	QPSK	1	0	Band 5	10M	879.1	2501	22.9	22.94
CA_7C	Band 7	20M	2560	21350	QPSK	1	0	Band 7	20M	2660.2	3152	22.92	22.86
CA_38C	Band 38	20M	2610	38150	QPSK	1	0	Band 38	20M	2590.2	37952	22.88	22.99
CA_41C	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	2660.2	41292	23.07	23.19
CA_42C	Band 42	20M	3500	42590	QPSK	1	0	Band 42	20M	3518.8	42778	22.68	22.83
CA_48C	Band 48	20M	3690	56640	QPSK	1	0	Band 48	20M	3670.2	56442	23.3	23.13
CA_66B	Band 66	15M	1772.5	132597	QPSK	1	0	Band 66	5M	2188.2	67218	22.83	22.93
CA_66C	Band 66	20M	1770	132572	QPSK	1	0	Band 66	20M	2170.2	67038	22.77	22.93

ID	Measurement	LTC Model 2 (km)									
		Frequency (Hz)	Max Offset (m)	Low	High	Range	Time (s)	Latency (ms)	Power (dBm)	Power (dBm)	Power (dBm)
		Frequency (Hz)	Max Offset (m)	Low	High	Range	Time (s)	Latency (ms)	Power (dBm)	Power (dBm)	Power (dBm)
2000	GPS	1	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		2	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		3	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		4	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
	GPS	1	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		2	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		3	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		4	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
	GPS	1	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		2	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		3	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		4	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
2000	GPS	1	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		2	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		3	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		4	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
	GPS	1	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		2	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		3	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		4	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
	GPS	1	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		2	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		3	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		4	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
2000	GPS	1	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		2	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		3	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		4	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
	GPS	1	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		2	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		3	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		4	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
	GPS	1	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		2	100	20.00	20.00	20.00	1	1.00	1.00	1.00	1.00
		3	100	20.00	20.00						

ID	Category	Sub-category	Q3 2023 Report (USD Millions)										
			Revenue		Profit		Growth		Market Share		Customer Engagement		
			Actual	Target	Actual	Target	YoY	QoQ	Current	Previous	Score	Feedback	
Q1-2023	North America	Product A	1	120	115	25	20	12%	5%	85	80	4.2	1200
			2	110	105	22	18	10%	3%	82	78	4.1	1150
			3	130	125	28	22	15%	7%	88	83	4.3	1250
			4	140	135	30	24	18%	8%	90	85	4.4	1300
			5	150	145	32	26	20%	9%	92	87	4.5	1350
			6	160	155	34	28	22%	10%	94	89	4.6	1400
			7	170	165	36	30	24%	11%	96	91	4.7	1450
			8	180	175	38	32	26%	12%	98	93	4.8	1500
			9	190	185	40	34	28%	13%	100	95	4.9	1550
			10	200	195	42	36	30%	14%	102	97	5.0	1600
Q2-2023	North America	Product A	1	125	120	26	21	13%	6%	86	81	4.3	1220
			2	115	110	23	19	11%	4%	83	79	4.2	1170
			3	135	130	29	23	16%	8%	89	84	4.4	1270
			4	145	140	31	25	19%	9%	91	86	4.5	1320
			5	155	150	33	27	21%	10%	93	88	4.6	1370
			6	165	160	35	29	23%	11%	95	90	4.7	1420
			7	175	170	37	31	25%	12%	97	92	4.8	1470
			8	185	180	39	33	27%	13%	99	94	4.9	1520
			9	195	190	41	35	29%	14%	101	96	5.0	1570
			10	205	200	43	37	31%	15%	103	98	5.1	1620
Q3-2023	North America	Product A	1	130	125	27	22	14%	7%	87	82	4.4	1240
			2	120	115	24	20	12%	5%	84	80	4.3	1190
			3	140	135	30	24	17%	9%	90	85	4.5	1290
			4	150	145	32	26	20%	10%	92	87	4.6	1340
			5	160	155	34	28	22%	11%	94	89	4.7	1390
			6	170	165	36	30	24%	12%	96	91	4.8	1440
			7	180	175	38	32	26%	13%	98	93	4.9	1490
			8	190	185	40	34	28%	14%	100	95	5.0	1540
			9	200	195	42	36	30%	15%	102	97	5.1	1590
			10	210	205	44	38	32%	16%	104	99	5.2	1640
Q4-2023	North America	Product A	1	135	130	28	23	15%	8%	88	83	4.5	1260
			2	125	120	25	21	13%	6%	85	81	4.4	1210
			3	145	140	31	25	18%	10%	91	86	4.6	1310
			4	155	150	33	27	21%	11%	93	88	4.7	1360
			5	165	160	35	29	23%	12%	95	90	4.8	1410
			6	175	170	37	31	25%	13%	97	92	4.9	1460
			7	185	180	39	33	27%	14%	99	94	5.0	1510
			8	195	190	41	35	29%	15%	101	96	5.1	1560
			9	205	200	43	37	31%	16%	103	98	5.2	1610
			10	215	210	45	39	33%	17%	105	100	5.3	1660
Q1-2024	North America	Product A	1	140	135	29	24	16%	9%	89	84	4.6	1280
			2	130	125	26	22	14%	7%	86	82	4.5	1230
			3	150	145	32	26	19%	11%	92	87	4.7	1330
			4	160	155	34	28	22%	12%	94	89	4.8	1380
			5	170	165	36	30	24%	13%	96	91	4.9	1430
			6	180	175	38	32	26%	14%	98	93	5.0	1480
			7	190	185	40	34	28%	15%	100	95	5.1	1530
			8	200	195	42	36	30%	16%	102	97	5.2	1580
			9	210	205	44	38	32%	17%	104	99	5.3	1630
			10	220	215	46	40	34%	18%	106	101	5.4	1680
Q2-2024	North America	Product A	1	145	140	30	25	17%	10%	90	85	4.7	1300
			2	135	130	27	23	15%	8%	87	83	4.6	1250
			3	155	150	33	27	20%	12%	93	88	4.8	1350
			4	165	160	35	29	23%	13%	95	90	4.9	1400
			5	175	170	37	31	25%	14%	97	92	5.0	1450
			6	185	180	39	33	27%	15%	99	94	5.1	1500
			7	195	190	41	35	29%	16%	101	96	5.2	1550
			8	205	200	43	37	31%	17%	103	98	5.3	1600
			9	215	210	45	39	33%	18%	105	100	5.4	1650
			10	225	220	47	41	35%	19%	107	102	5.5	1700
Q3-2024	North America	Product A	1	150	145	31	26	18%	11%	91	86	4.8	1320
			2	140	135	28	24	16%	9%	88	84	4.7	1270
			3	160	155	34	28	21%	13%	94	89	4.9	1370
			4	170	165	36	30	24%	14%	96	91	5.0	1420
			5	180	175	38	32	26%	15%	98	93	5.1	1470
			6	190	185	40	34	28%	16%	100	95	5.2	1520
			7	200	195	42	36	30%	17%	102	97	5.3	1570
			8	210	205	44	38	32%	18%	104	99	5.4	1620
			9	220	215	46	40	34%	19%	106	101	5.5	1670
			10	230	225	48	42	36%	20%	108	103	5.6	1720
Q4-2024	North America	Product A	1	155	150	32	27	19%	12%	92	87	4.9	1340
			2	145	140	29	25	17%	10%	89	85	4.8	1290
			3	165	160	35	29	22%	14%	95	90	5.0	1390
			4	175	170	37	31	25%	15%	97	92	5.1	1440
			5	185	180	39	33	27%	16%	99	94	5.2	1490
			6	195	190	41	35	29%	17%	101	96	5.3	1540
			7	205	200	43	37	31%	18%	103	98	5.4	1590
			8	215	210	45	39	33%	19%	105	100	5.5	1640
			9	225	220	47	41	35%	20%	107	102	5.6	1690
			10	235	230	49	43	37%	21%	109	104	5.7	1740
Q1-2025	North America	Product A	1	160	155	33	28	20%	13%	93	88	5.0	1360
			2	150	145	30	26	18%	11%	90	86	4.9	1310
			3	170	165	36	30	23%	15%	96	91	5.1	1410
			4	180	175	38	32	26%	16%	98	93	5.2	1460
			5	190	185	40	34	28%	17%	100	95	5.3	1510
			6	200	195	42	36	30%	18%	102	97	5.4	1560
			7	210	205	44	38	32%	19%	104	99	5.5	1610
			8	220	215	46	40	34%	20%	106	101	5.6	1660
			9	230	225	48	42	36%	21%	108	103	5.7	1710
			10	240	235	50	44	38%	22%	110	105	5.8	1760
Q2-2025	North America	Product A	1	165	160	34	29	21%	14%	94	89	5.1	1380
			2	155	150	31	27	19%	12%	91	87	5.0	1330
			3	175	170	37	31	24%	16%	97	92	5.2	1430
			4	185	180	39	33	27%	17%	99	94	5.3	1480
			5	195	190	41	35	29%	18%	101	96	5.4	1530
			6	205	200	43	37	31%	19%	103	98	5.5	1580
			7	215	210	45	39	33%	20%	105	100	5.6	1630
			8	225	220	47	41	35%	21%	107	102	5.7	1680
			9	235	230	49	43	37%	22%	109	104	5.8	1730
			10	245	240	51	45	39%	23%	111	106	5.9	1780
Q3-2025	North America	Product A	1	170	165	35	30	22%	15%	95	90	5.2	1400
			2	160	155	32	28	20%	13%	92	88	5.1	1350
			3	180	175	38	32	25%	17%	98	93	5.3	1450
			4	190	185	40	34	28%	18%	100	95	5.4	1500
			5	200	195	42	36	30%	19%	102	97	5.5	1550
			6	210	205	44	38	32%	20%	104	99	5.6	1600
			7	220	215	46	40	34%	21%	106	101	5.7	1650
			8	230	225	48	42	36%	22%	108	103	5.8	1700
			9	240	235	50	44	38%	23%	110	105	5.9	1750
			10	250	245	52	46	40%	24%	112	107	6.0	1800
Q4-2025	North America	Product A	1	175	170	36	31	23%	16%	96	91	5.3	1420
			2	165	160	33	29	21%	14%	93	89	5.2	1370
			3	185	180	39	33	26%	18%	99	94	5.4	1470
			4	195	190	41	35	29%	19%	101	96	5.5	1520
			5	205	200	43	37	31%	20%	103	98	5.6	1570
			6	215	210	45	39	33%	21%	105	100	5.7	1620
			7	225	220	47	41	35%	22%	107	102	5.8	1670
			8	235	230	49	43	37%	23%	109	104	5.9	1720
			9	245	240	51	45	39%	24%	111	106	6.0	1770
			10	255	250	53	47	41%	25%	113	108	6.1	1820
Q1-2026	North America	Product A	1	180	175	37	32	24%	17%	97	92	5.4	1440
			2	170	165	34	30	22%	15%	94	90	5.3	1390
			3	190	185	40	34	27%	19%	100	95	5.5	1490
			4	200	195	42	36	30%	20%	102	97	5.6	1540
			5	210	205	44	38	32%	21%	104	99	5.7	1590
			6	220	215	46	40	34%	22%	106	101	5.8	1640
			7	230	225	48	42	36%	23%	108	103	5.9	1690
			8	240	235	50	44	38%	24%	110	105	6.0	1740
			9	250	245	52	46	40%	25%	112	107	6.1	1790
			10	260	255	54	48	42%	26%	114	109	6.2	1840
Q2-2026	North America	Product A	1	185	180	38	33	25%	18%	98	93	5.5	1460
			2	175	170	35	31	23%	16%	95	91	5.4	1410
			3	195	190	41	35	28%	20%	101	96	5.6	1510
			4	205	200	43	37	31%	21%	103	98	5.7	1560
			5	215	210	45	39	33%	22%	105	100	5.8	1610
			6	225	220	47	41	35%	23%	107	102	5.9	1660
			7	235	230								

ID	Modality	L16 Band 5 (L16B5)									
		Min Size (km)	Max Size (km)	Min Area (km²)	Max Area (km²)	Min Perim (km)	Max Perim (km)	Min Elev (m)	Max Elev (m)	Min Slope (°)	Max Slope (°)
		Area (km²)	Perim (km)	Area (km²)	Perim (km)	Area (km²)	Perim (km)	Area (km²)	Perim (km)	Area (km²)	Perim (km)
S1	OPTICAL	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	SAR	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	HYPERSPECTRAL	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
S2	OPTICAL	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	SAR	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	HYPERSPECTRAL	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
S3	OPTICAL	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	SAR	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
S4	OPTICAL	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	SAR	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	HYPERSPECTRAL	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
S5	OPTICAL	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
		4	4	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	SAR	1	1	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		2	2	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
		3	3	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009

[illegible]

n2 (SCS 15 kHz) (Ant1)							
BW	MCS Index	Channel		Low	Mid	High	Max. Time-up (dB)
		RB Set	RB Offset	Frequency (MHz)	1500	18000	
20M	OFDM-CDMA PUS DP5K	1	1	18.48	18.50	18.62	19.5
		1	53	18.62	18.46	18.46	18.5
		1	104	18.58	18.50	18.37	19.5
		50	0	18.58	18.46	18.31	19.5
		50	28	18.58	18.50	18.36	19.5
		50	56	18.58	18.51	18.56	19.5
	OFDM-CDMA QPSK	100	0	18.42	18.46	18.34	19.5
		1	1	18.34	18.64	18.62	19.5
		1	53	18.46	18.41	18.63	19.5
		1	104	18.45	18.48	18.37	19.5
		50	0	18.60	18.44	18.52	19.5
		50	28	18.42	18.62	18.50	19.5
SW	MCS Index	Channel		171380	176000	180600	Max. Time-up
		Frequency (MHz)		1801.2	1885	1900.5	
		1	1	18.38	18.61	18.65	19.5
15M	OFDM-CDMA QPSK	1	1	18.38	18.61	18.65	19.5
SW	MCS Index	Channel		171380	176000	180600	Max. Time-up
		Frequency (MHz)		1885	1885	1885	
10M	OFDM-CDMA QPSK	1	1	18.38	18.61	18.61	19.5
SW	MCS Index	Channel		171380	176000	180600	Max. Time-up
		Frequency (MHz)		1801.2	1885	1907.5	
5M	OFDM-CDMA QPSK	1	1	18.43	18.64	18.63	19.5

n5 (SCS 15 kHz) (Ant2)							
BW	MCS Index	Channel		Low	Mid	High	Max. Time-up (dB)
		RB Set	RB Offset	Frequency (MHz)	1500	18750	
20M	OFDM-CDMA PUS DP5K	1	1	20.62	20.63	20.72	21.5
		1	53	20.50	20.54	20.65	21.5
		1	104	20.54	20.66	20.75	21.5
		50	0	20.66	20.60	20.69	21.5
		50	28	20.49	20.63	20.60	21.5
		50	56	20.50	20.57	20.47	21.5
	OFDM-CDMA QPSK	100	0	20.72	20.68	20.55	21.5
		1	1	20.56	20.77	20.55	21.5
		1	53	20.49	20.61	20.70	21.5
		1	104	20.50	20.63	20.68	21.5
		50	0	20.57	20.58	20.76	21.5
		50	28	20.61	20.68	20.73	21.5
SW	MCS Index	Channel		186300	187500	188500	Max. Time-up
		Frequency (MHz)		1851.2	1861.5	1861.5	
		1	1	20.67	20.73	20.72	21.5
15M	OFDM-CDMA QPSK	1	1	20.67	20.73	20.72	21.5
SW	MCS Index	Channel		186300	187500	188500	Max. Time-up
		Frequency (MHz)		1861.5	1861.5	1861.5	
10M	OFDM-CDMA QPSK	1	1	20.47	20.72	20.62	21.5
SW	MCS Index	Channel		186300	187500	188500	Max. Time-up
		Frequency (MHz)		1861.5	1861.5	1861.5	
5M	OFDM-CDMA QPSK	1	1	20.48	20.79	20.54	21.5

n7 (SCS 15 kHz) (Ant1)							
BW	MCS Index	Channel		Low	Mid	High	Max. Time-up (dB)
		RB Set	RB Offset	Frequency (MHz)	15000	18750	
40M	OFDM-CDMA PUS DP5K	1	1	14.90	14.75	14.75	16
		1	107	14.80	14.92	14.78	16
		1	214	15.03	14.99	14.80	16
		100	0	15.04	14.87	14.91	16
		100	54	14.95	14.94	14.93	16
		100	108	14.88	14.96	14.89	16
	OFDM-CDMA QPSK	214	0	14.90	14.78	14.91	16
		1	1	15.05	14.98	15.04	16
		1	107	15.02	14.88	14.90	16
		1	214	14.87	15.02	15.02	16
		100	0	14.91	15.04	14.88	16
		100	54	15.03	14.99	14.82	16
SW	MCS Index	Channel		180000	187500	191000	Max. Time-up
		Frequency (MHz)		18000	18250	18500	
		1	1	14.82	14.76	14.83	16
15M	OFDM-CDMA QPSK	1	1	14.80	14.87	15.02	16
SW	MCS Index	Channel		180000	187500	191000	Max. Time-up
		Frequency (MHz)		18000	18250	18500	
10M	OFDM-CDMA QPSK	1	1	15.02	15.05	14.98	16
SW	MCS Index	Channel		180000	187500	191000	Max. Time-up
		Frequency (MHz)		18000	18250	18500	
5M	OFDM-CDMA QPSK	1	1	15.11	14.94	14.99	16
SW	MCS Index	Channel		180000	187500	191000	Max. Time-up
		Frequency (MHz)		18000	18250	18500	
5M	OFDM-CDMA QPSK	1	1	14.98	15.05	15.08	16

n14 (SCS 15 kHz) (Ant2)							
BW	MCS Index	Channel		Low	Mid	High	Max. Time-up (dB)
		RB Set	RB Offset	Frequency (MHz)	15000	18850	
10M	OFDM-CDMA PUS DP5K	1	1	20.95			22
		1	25	20.90			22
		1	50	20.85			22
		25	0	20.82			22
		25	14	20.86			22
		25	27	20.88			22
	OFDM-CDMA QPSK	50	0	20.81			22
		1	1	21.05			22
		1	25	21.01			22
		1	50	20.87			22
		25	0	20.83			22
		25	14	20.89			22
SW	MCS Index	Channel		188000	188500	189000	Max. Time-up
		Frequency (MHz)		188.0	188.5	189.0	
		1	1	20.77			22
5M	OFDM-CDMA QPSK	1	1	20.84			19.5

n25 (SCS 35 kHz) (Ant1)									
BW	MCS Index	RB Set	RB Offset	Low	High	RB Set	RB Offset	Low	High
		Channel Frequency (MHz)	Sub	27000	27000	Channel Frequency (MHz)	Sub	27000	27000
40M	OFDM-CDMA PUSC-BFSC	1	1	18.43	18.47	18.48	19.5		
		1	107	18.44	18.52	18.39	19.5		
		1	204	18.40	18.29	18.35	19.5		
		100	0	18.53	18.36	18.28	19.5		
		100	54	18.38	18.34	18.44	19.5		
		100	108	18.54	18.40	18.30	19.5		
	OFDM-CDMA QPSC	216	0	18.36	18.46	18.36	19.5		
		1	1	18.54	18.53	18.57	19.5		
		1	107	18.34	18.41	18.35	19.5		
		1	204	18.32	18.40	18.51	19.5		
		100	0	18.42	18.36	18.32	19.5		
		100	54	18.47	18.53	18.54	19.5		
10M	OFDM-CDMA PUSC-BFSC	100	108	18.36	18.31	18.36	19.5		
		216	0	18.33	18.29	18.50	19.5		
		1	1	18.47	18.36	18.51	19.5		
		1	1	18.38	18.54	18.48	19.5		
		1	1	18.45	18.55	18.55	19.5		
		1	1	18.45	18.55	18.55	19.5		
5M	OFDM-CDMA PUSC-BFSC	100	108	18.36	18.31	18.36	19.5		
		216	0	18.33	18.29	18.50	19.5		
		1	1	18.47	18.36	18.51	19.5		
		1	1	18.38	18.54	18.48	19.5		
		1	1	18.45	18.55	18.55	19.5		
		1	1	18.45	18.55	18.55	19.5		

n30 (SCS 35 kHz) (Ant1)									
BW	MCS Index	RB Set	RB Offset	Low	High	RB Set	RB Offset	Low	High
		Channel Frequency (MHz)	Sub	40200	40200	Channel Frequency (MHz)	Sub	40200	40200
10M	OFDM-CDMA PUSC-BFSC	1	1	35.91	37				
		1	25	35.90	37				
		1	50	35.92	37				
		25	0	36.02	37				
		25	14	35.80	37				
		25	27	35.84	37				
	OFDM-CDMA QPSC	50	0	35.83	37				
		1	1	36.05	37				
		1	25	36.02	37				
		1	50	35.95	37				
		25	0	35.77	37				
		25	14	35.80	37				
5M	OFDM-CDMA PUSC-BFSC	25	27	35.76	37				
		50	0	35.81	37				
		1	1	36.02	37				
		1	1	36.02	37				
		1	1	35.98	37				
		1	1	35.95	36.00	36.07	37		

n38 (SCS 30 kHz) (Ant1)									
BW	MCS Index	RB Set	RB Offset	Low	High	RB Set	RB Offset	Low	High
		Channel Frequency (MHz)	Sub	51000	51000	Channel Frequency (MHz)	Sub	51000	51000
40M	OFDM-CDMA PUSC-BFSC	1	1	18.04	17.92	17.91	19		
		1	52	17.84	18.18	18.01	19		
		1	104	18.12	17.95	18.01	19		
		50	0	18.00	18.10	18.15	19		
		50	28	17.95	18.07	17.99	19		
		50	56	18.13	18.17	18.10	19		
	OFDM-CDMA QPSC	100	0	17.90	18.10	18.01	19		
		1	1	18.08	18.10	18.15	19		
		1	52	17.98	17.98	18.08	19		
		1	104	18.00	18.01	18.01	19		
		50	0	18.14	17.95	18.08	19		
		50	28	18.02	18.15	18.03	19		
20M	OFDM-CDMA PUSC-BFSC	50	56	18.00	17.99	18.01	19		
		100	0	17.96	18.15	17.98	19		
		1	1	18.13	17.90	17.89	19		
		1	1	17.93	18.15	18.00	19		
		1	1	18.13	17.98	18.01	19		
		1	1	18.13	17.98	18.01	19		
5M	OFDM-CDMA PUSC-BFSC	50	56	18.00	17.99	18.01	19		
		100	0	17.96	18.15	17.98	19		
		1	1	18.13	17.90	17.89	19		
		1	1	17.93	18.15	18.00	19		
		1	1	18.13	17.98	18.01	19		
		1	1	18.13	17.98	18.01	19		

n41 (SCS 30 kHz) (Ant1)									
BW	MCS Index	RB Set	RB Offset	Low	High	RB Set	RB Offset	Low	High
		Channel Frequency (MHz)	Sub	51000	51000	Channel Frequency (MHz)	Sub	51000	51000
100M	OFDM-CDMA PUSC-BFSC	1	1	18.03	17.90	18.13	19		
		1	137	18.06	18.09	18.01	19		
		1	271	18.11	18.01	18.15	19		
		135	0	17.97	18.17	17.98	19		
		135	69	18.01	18.17	17.90	19		
		135	138	18.23	17.98	18.02	19		
	OFDM-CDMA QPSC	270	0	17.89	18.15	17.94	19		
		1	1	18.18	17.93	18.18	19		
		1	137	17.99	17.94	18.00	19		
		1	271	17.90	18.02	17.88	19		
		135	0	18.03	18.11	18.12	19		
		135	69	17.90	18.00	18.17	19		
50M	OFDM-CDMA PUSC-BFSC	135	138	18.07	17.98	18.10	19		
		270	0	17.88	17.91	18.07	19		
		1	1	18.11	17.98	17.91	19		
		1	1	18.12	18.18	18.00	19		
		1	1	18.05	18.04	18.11	19		
		1	1	18.05	18.04	18.11	19		
25M	OFDM-CDMA PUSC-BFSC	135	138	18.07	17.98	18.10	19		
		270	0	17.88	17.91	18.07	19		
		1	1	18.11	17.98	17.91	19		
		1	1	18.12	18.18	18.00	19		
		1	1	18.05	18.04	18.11	19		
		1	1	18.05	18.04	18.11	19		

n49 (SCS 30 kHz) (Ant7)									
BW	MCS Index	Alt Slot	Alt Offset	Low	Mid	High	Max. Time-up (s)		
		Channel	Frequency (MHz)	3200	64000	64000			
40M	OFDM-OFDM PUS-OFDM	1	1	20.35	20.29	20.37	21		
		1	52	20.45	20.47	20.39	21		
		1	104	20.49	20.29	20.48	21		
		50	0	20.47	20.36	20.37	21		
		50	20	20.45	20.29	20.29	21		
	OFDM-OFDM QPSK	50	50	20.36	20.46	20.43	21		
		100	0	20.36	20.24	20.43	21		
		1	1	20.37	20.48	20.50	21		
		1	52	20.32	20.40	20.49	21		
		1	104	20.29	20.20	20.26	21		
	OFDM-OFDM QPSK	50	0	20.42	20.36	20.41	21		
		50	50	20.23	20.28	20.45	21		
		50	50	20.38	20.25	20.28	21		
		100	0	20.35	20.48	20.49	21		
		1	1	20.45	20.33	20.35	21		
5W	MCS Index	Channel	Frequency (MHz)	63734	63800	64000	Max. Time-up		
		1	1	20.38	20.49	20.44	21		
20M	MCS Index	Channel	Frequency (MHz)	63790	63800	64000	Max. Time-up		
		1	1	20.38	20.49	20.44	21		
5W	MCS Index	Channel	Frequency (MHz)	368	368.35	369.56	Max. Time-up		
		1	1	20.38	20.20	20.41	21		

n66 (SCS 15 kHz) (Ant1)									
BW	MCS Index	Alt Slot	Alt Offset	Low	Mid	High	Max. Time-up (s)		
		Channel	Frequency (MHz)	3200	64000	64000			
40M	OFDM-OFDM PUS-OFDM	1	1	19.03	18.98	18.88	20		
		1	107	18.89	18.97	18.10	20		
		1	214	19.05	18.89	18.83	20		
		100	0	18.81	18.94	18.93	20		
		100	54	19.07	18.93	18.94	20		
	OFDM-OFDM QPSK	100	108	18.91	19.13	18.91	20		
		210	0	19.04	19.04	19.12	20		
		1	1	19.07	18.95	18.90	20		
		1	107	19.11	19.03	18.91	20		
		1	214	18.98	19.00	19.15	20		
	OFDM-OFDM QPSK	100	0	18.96	18.95	18.00	20		
		100	54	18.95	19.05	19.02	20		
		100	108	18.93	19.03	19.04	20		
		210	0	18.95	19.07	18.98	20		
		1	1	19.01	18.88	18.10	20		
5W	MCS Index	Channel	Frequency (MHz)	36300	36800	37000	Max. Time-up		
		1	1	19.03	18.98	18.90	20		
30M	MCS Index	Channel	Frequency (MHz)	36300	36800	37000	Max. Time-up		
		1	1	19.11	19.11	18.95	20		
5W	MCS Index	Channel	Frequency (MHz)	36300	36800	37000	Max. Time-up		
		1	1	19.07	19.07	19.10	20		
20M	MCS Index	Channel	Frequency (MHz)	36300	36800	37000	Max. Time-up		
		1	1	19.10	19.10	19.10	20		
5W	MCS Index	Channel	Frequency (MHz)	36300	36800	37000	Max. Time-up		
		1	1	19.08	19.08	19.18	20		
10M	MCS Index	Channel	Frequency (MHz)	36300	36800	37000	Max. Time-up		
		1	1	19.07	19.04	19.01	20		
5W	MCS Index	Channel	Frequency (MHz)	36300	36800	37000	Max. Time-up		
		1	1	19.05	19.08	19.12	20		

n77 (SCS 30 kHz) (Ant7), 3450MHz-3550MHz for FCC									
BW	MCS Index	Alt Slot	Alt Offset	Low	Mid	High	Max. Time-up (s)		
		Channel	Frequency (MHz)	3200	64000	64000			
100M	OFDM-OFDM PUS-OFDM	1	1	17.31		18.5			
		1	137	17.38		18.5			
		1	271	17.43		18.5			
		135	0	17.39		18.5			
		135	60	17.27		18.5			
	OFDM-OFDM QPSK	135	138	17.23		18.5			
		270	0	17.30		18.5			
		1	1	17.46		18.5			
		1	137	17.42		18.5			
		1	271	17.21		18.5			
	OFDM-OFDM QPSK	135	0	17.34		18.5			
		135	60	17.41		18.5			
		135	138	17.34		18.5			
		270	0	17.21		18.5			
		1	1	17.30		18.5			
5W	MCS Index	Channel	Frequency (MHz)	63300	63334	63600	Max. Time-up		
		1	1	17.40	17.37	17.50	18.5		
30M	MCS Index	Channel	Frequency (MHz)	63300	63334	63600	Max. Time-up		
		1	1	17.40	17.37	17.50	18.5		
5W	MCS Index	Channel	Frequency (MHz)	63300	63334	63600	Max. Time-up		
		1	1	17.37	17.44	17.44	18.5		
30M	MCS Index	Channel	Frequency (MHz)	63300	63334	63600	Max. Time-up		
		1	1	17.37	17.44	17.44	18.5		
5W	MCS Index	Channel	Frequency (MHz)	63300	63334	63600	Max. Time-up		
		1	1	17.41	17.47	17.51	18.5		
10M	MCS Index	Channel	Frequency (MHz)	63300	63334	63600	Max. Time-up		
		1	1	17.52	17.38	17.50	18.5		
30M	MCS Index	Channel	Frequency (MHz)	63300	63334	63600	Max. Time-up		
		1	1	17.52	17.38	17.50	18.5		
5W	MCS Index	Channel	Frequency (MHz)	63300	63334	63600	Max. Time-up		
		1	1	17.52	17.38	17.49	18.5		
5W	MCS Index	Channel	Frequency (MHz)	63334	63334	63632	Max. Time-up		
		1	1	17.54	17.38	17.46	18.5		
40M	MCS Index	Channel	Frequency (MHz)	63300	63334	63600	Max. Time-up		
		1	1	17.44	17.40	17.48	18.5		
30M	MCS Index	Channel	Frequency (MHz)	63300	63334	63600	Max. Time-up		
		1	1	17.54	17.40	17.41	18.5		
5W	MCS Index	Channel	Frequency (MHz)	63334	63334	63632	Max. Time-up		
		1	1	17.38	17.45	17.48	18.5		

n77 (SCS 30 kHz) (Ant7) 3700MHz-3800MHz for FCC									
BW	MCS Index	Alt Slot	Alt Offset	Low	Mid	High	Max. Time-up (s)		
		Channel	Frequency (MHz)	3200	6400	6400			
100M	OFDM-OFDM PUS-OFDM	1	1	17.34	17.42	17.32	18.5		
		1	137	17.53	17.38	17.32	18.5		
		1	271	17.49	17.56	17.42	18.5		
		135	0	17.55	17.53	17.42	18.5		
		135	60	17.34	17.36	17.41	18.5		
	OFDM-OFDM QPSK	135	138	17.31	17.36	17.32	18.5		
		270	0	17.52	17.46	17.32	18.5		
		1	1	17.51	17.57	17.49	18.5		
		1	137	17.53	17.46	17.46	18.5		
		1	271	17.50	17.44	17.56	18.5		
	OFDM-OFDM QPSK	135	0	17.35	17.46	17.32	18.5		
		135	60	17.30	17.50	17.30	18.5		
		135	138	17.35	17.47	17.40	18.5		
		270	0	17.35	17.47	17.41	18.5		
		1	1	17.38	17.39	17.44	18.5		
OFDM-OFDM QPSK	1	1	17.65	17.56	17.43	18.5			
	OFDM-OFDM QPSK	1	1	17.67	17.52	17.43	18.5		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
30M	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
5W	MCS Index	Channel	Frequency (MHz)	63600	63600	63632			

n78 (SCS 30 kHz) (Ant7) 3450MHz-3550MHz for FCC									
SW	MCS Index	Alt Size	Alt Offset	Channel	Alt	Alt	Alt	Alt	Max. Tx Power (dBm)
100M	CP-OFDM	1024QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	17.34			18.5
				1	137	17.36			18.5
				1	271	17.32			18.5
				137	0	17.46			18.5
				137	68	17.46			18.5
				137	136	17.42			18.5
				271	0	17.46			18.5
	CP-OFDM	1024QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	17.46			18.5
				1	137	17.51			18.5
				1	271	17.39			18.5
				137	0	17.35			18.5
				137	68	17.38			18.5
				137	136	17.30			18.5
				271	0	17.35			18.5
60M	CP-OFDM	512QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	17.43	17.57	17.59	18.5
				1	137	17.43	17.59	17.59	18.5
				1	271	17.43	17.59	17.59	18.5
				137	0	17.52	17.44	17.59	18.5
				137	68	17.52	17.44	17.59	18.5
				137	136	17.44	17.44	17.44	18.5
				271	0	17.52	17.44	17.44	18.5
	CP-OFDM	512QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	17.59	17.55	17.46	18.5
				1	137	17.59	17.55	17.46	18.5
				1	271	17.59	17.55	17.46	18.5
				137	0	17.58	17.43	17.57	18.5
				137	68	17.58	17.43	17.57	18.5
				137	136	17.43	17.43	17.43	18.5
				271	0	17.58	17.43	17.43	18.5
30M	CP-OFDM	256QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	17.43	17.43	17.43	18.5
				1	137	17.43	17.43	17.43	18.5
				1	271	17.43	17.43	17.43	18.5
				137	0	17.43	17.43	17.43	18.5
				137	68	17.43	17.43	17.43	18.5
				137	136	17.43	17.43	17.43	18.5
				271	0	17.43	17.43	17.43	18.5
	CP-OFDM	256QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	17.43	17.43	17.43	18.5
				1	137	17.43	17.43	17.43	18.5
				1	271	17.43	17.43	17.43	18.5
				137	0	17.43	17.43	17.43	18.5
				137	68	17.43	17.43	17.43	18.5
				137	136	17.43	17.43	17.43	18.5
				271	0	17.43	17.43	17.43	18.5
15M	CP-OFDM	128QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	17.43	17.43	17.43	18.5
				1	137	17.43	17.43	17.43	18.5
				1	271	17.43	17.43	17.43	18.5
				137	0	17.43	17.43	17.43	18.5
				137	68	17.43	17.43	17.43	18.5
				137	136	17.43	17.43	17.43	18.5
				271	0	17.43	17.43	17.43	18.5
	CP-OFDM	128QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	17.43	17.43	17.43	18.5
				1	137	17.43	17.43	17.43	18.5
				1	271	17.43	17.43	17.43	18.5
				137	0	17.43	17.43	17.43	18.5
				137	68	17.43	17.43	17.43	18.5
				137	136	17.43	17.43	17.43	18.5
				271	0	17.43	17.43	17.43	18.5

n77 (SCS 30 kHz) (Ant7+8) 3450MHz-3550MHz for FCC									
SW	MCS Index	Alt Size	Alt Offset	Channel	Alt	Alt	Alt	Alt	Max. Tx Power (dBm)
100M	CP-OFDM	1024QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	17.36			22
				1	137	18.16			22
				1	271	18.00			22
				137	0	18.08			22
				137	68	18.13			22
				137	136	18.07			22
				271	0	18.02			22
	CP-OFDM	1024QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	18.16			22
				1	137	18.16			22
				1	271	18.16			22
				137	0	18.16			22
				137	68	18.16			22
				137	136	18.16			22
				271	0	18.16			22
60M	CP-OFDM	512QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	18.00	18.00	18.00	22
				1	137	18.00	18.00	18.00	22
				1	271	18.00	18.00	18.00	22
				137	0	18.00	18.00	18.00	22
				137	68	18.00	18.00	18.00	22
				137	136	18.00	18.00	18.00	22
				271	0	18.00	18.00	18.00	22
	CP-OFDM	512QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	18.00	18.00	18.00	22
				1	137	18.00	18.00	18.00	22
				1	271	18.00	18.00	18.00	22
				137	0	18.00	18.00	18.00	22
				137	68	18.00	18.00	18.00	22
				137	136	18.00	18.00	18.00	22
				271	0	18.00	18.00	18.00	22
30M	CP-OFDM	256QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	18.00	18.00	18.00	22
				1	137	18.00	18.00	18.00	22
				1	271	18.00	18.00	18.00	22
				137	0	18.00	18.00	18.00	22
				137	68	18.00	18.00	18.00	22
				137	136	18.00	18.00	18.00	22
				271	0	18.00	18.00	18.00	22
	CP-OFDM	256QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	18.00	18.00	18.00	22
				1	137	18.00	18.00	18.00	22
				1	271	18.00	18.00	18.00	22
				137	0	18.00	18.00	18.00	22
				137	68	18.00	18.00	18.00	22
				137	136	18.00	18.00	18.00	22
				271	0	18.00	18.00	18.00	22
15M	CP-OFDM	128QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	18.00	18.00	18.00	22
				1	137	18.00	18.00	18.00	22
				1	271	18.00	18.00	18.00	22
				137	0	18.00	18.00	18.00	22
				137	68	18.00	18.00	18.00	22
				137	136	18.00	18.00	18.00	22
				271	0	18.00	18.00	18.00	22
	CP-OFDM	128QAM	0	Channel	Channel	Channel	Channel	Channel	Max. Tx Power (dBm)
				1	1	18.00	18.00	18.00	22
				1	137	18.00	18.00	18.00	22
				1	271	18.00	18.00	18.00	22
				137	0	18.00	18.00	18.00	22
				137	68	18.00	18.00	18.00	22
				137	136	18.00	18.00	18.00	22
				271	0	18.00	18.00	18.00	22

n77 (SCS 30 kHz) (Ant7+8) 3700MHz-3800MHz for FCC									
SW	MCS Index	Alt Size	Alt Offset	Channel	Alt	Alt	Alt	Alt	Max. Tx Power (dBm)
100M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
		Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
		Frequency (MHz)			3796	3800	3800	3800	
	CP-OFDM QPSK	Alt			1	1	2	2	
		Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
		Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
MCS Index	Channel			65800	65800	65800	65800		
	Alt			1	1	2	2		
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
100M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1	2	2	
50M	CP-OFDM QPSK	Frequency (MHz)			3796	3800	3800	3800	
		Alt			1	1	2	2	
50M	MCS Index	Channel			65800	65800	65800	65800	
		Alt			1	1			

LTE Band 42 (FDD) Profile (AA64)										
BWP	MCS Index	RB Size		Channel		MCS	Mod	Rate	2500k SFR	Max. Temp up
		Frequency (MHz)	Power (dBm)	Frequency (MHz)	Power (dBm)					
QPSK	1	0	14.95	14.95	15.00	0	QPSK	1	15.5	1
	1	0	14.95	14.95	15.00	0	QPSK	1	15.5	1
	1	0	14.95	15.07	15.07	0	QPSK	1	15.5	1
	50	0	15.07	14.95	14.95	0	QPSK	1	15.5	1
	25	0	14.95	14.95	14.95	0	QPSK	1	15.5	1
	50	50	15.08	14.98	15.04	1	QPSK	1	15.5	1
16QAM	1	0	14.95	14.95	15.00	0	16QAM	1	15.5	1
	1	0	14.95	14.95	15.00	0	16QAM	1	15.5	1
	1	0	14.95	15.07	15.07	0	16QAM	1	15.5	1
	50	0	14.98	14.95	14.95	0	16QAM	2	15.5	1
	25	0	14.95	14.95	14.95	0	16QAM	2	15.5	1
	50	50	14.98	14.98	15.05	2	16QAM	2	15.5	1
64QAM	1	0	14.95	14.95	15.00	0	64QAM	1	15.5	1
	1	0	14.95	14.95	15.00	0	64QAM	1	15.5	1
	1	0	14.95	15.07	15.07	0	64QAM	1	15.5	1
	50	0	14.97	14.95	14.95	0	64QAM	2	15.5	1
	25	0	14.95	14.95	14.95	0	64QAM	2	15.5	1
	50	50	14.98	14.98	15.07	2	64QAM	2	15.5	1
256QAM	1	0	14.95	14.95	15.00	0	256QAM	1	15.5	1
	1	0	14.95	14.95	15.00	0	256QAM	1	15.5	1
	1	0	14.95	15.07	15.07	0	256QAM	1	15.5	1
	50	0	14.97	14.95	14.95	0	256QAM	2	15.5	1
	25	0	14.95	14.95	14.95	0	256QAM	2	15.5	1
	50	50	14.98	14.98	15.07	2	256QAM	2	15.5	1
512QAM	1	0	14.95	14.95	15.00	0	512QAM	1	15.5	1
	1	0	14.95	14.95	15.00	0	512QAM	1	15.5	1
	1	0	14.95	15.07	15.07	0	512QAM	1	15.5	1
	50	0	14.97	14.95	14.95	0	512QAM	2	15.5	1
	25	0	14.95	14.95	14.95	0	512QAM	2	15.5	1
	50	50	14.98	14.98	15.07	2	512QAM	2	15.5	1
MCS Index	Channel	Frequency (MHz)	Power (dBm)	Frequency (MHz)	Power (dBm)	MCS	Mod	Rate	2500k SFR	Max. Temp up
QPSK	1	0	14.95	14.95	15.00	0	QPSK	1	15.5	1
	1	0	14.95	14.95	15.00	0	QPSK	1	15.5	1
	1	0	14.95	15.07	15.07	0	QPSK	1	15.5	1
	1	0	14.95	15.07	15.07	0	QPSK	1	15.5	1
	50	0	14.98	14.95	14.95	0	QPSK	1	15.5	1
	25	0	14.95	14.95	14.95	0	QPSK	1	15.5	1
16QAM	1	0	14.95	14.95	15.00	0	16QAM	1	15.5	1
	1	0	14.95	14.95	15.00	0	16QAM	1	15.5	1
	1	0	14.95	15.07	15.07	0	16QAM	1	15.5	1

[illegible]

n2 (SCS 15 kHz) (An2)									
BW	MCS Index	RB Set	RB Offset	RB Set	RB Offset	RB Set	RB Offset	Max. Time-up	Max. Time-up
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	(dBm)	(dBm)
20M	DTT+CDMA PUSP	1	2	14.94	15.04	14.92	15		
		1	32	14.96	14.96	14.96	16		
		1	128	14.98	14.98	14.98	16		
		50	0	14.92	14.97	14.91	16		
		50	38	14.92	14.98	15.02	16		
		50	58	14.95	14.97	14.92	16		
	DTT+CDMA QPSK	100	0	15.00	14.91	14.95	16		
		1	1	14.97	15.05	14.97	16		
		1	32	14.98	14.98	14.92	16		
		1	104	14.97	14.90	14.93	16		
		50	0	15.02	14.99	15.01	16		
		50	28	14.97	14.91	14.89	16		
10M	DTT+CDMA PUSP	50	58	14.97	15.02	15.01	16		
		100	0	14.98	14.99	14.92	16		
	DTT+CDMA QPSK	1	1	14.97	14.97	15.04	16		
		1	1	14.98	14.98	15.02	16		
SW	MCS Index	Channel	27180	27638	38380	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.95	15.02	15.04	16		
BW	MCS Index	Channel	27180	27638	38380	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	15.01	15.15	14.99	16		
BW	MCS Index	Channel	27180	27638	38380	Max. Time-up			
SW	DTT+CDMA QPSK	1	1	15.00	15.03	14.88	16		

n25 (SCS 15 kHz) (An2)									
BW	MCS Index	RB Set	RB Offset	RB Set	RB Offset	RB Set	RB Offset	Max. Time-up	Max. Time-up
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	(dBm)	(dBm)
40M	DTT+CDMA PUSP	1	1	14.89	14.96	14.90	16		
		1	107	14.96	14.92	14.95	16		
		1	214	14.99	14.93	14.92	16		
		100	0	14.90	14.93	14.87	16		
		100	54	14.91	14.95	14.91	16		
		100	108	14.88	14.90	14.88	16		
	DTT+CDMA QPSK	214	0	14.89	14.88	14.88	16		
		1	1	14.91	15.04	14.79	16		
		1	107	14.96	14.96	14.94	16		
		1	214	14.98	14.96	14.82	16		
		100	0	14.87	14.94	14.84	16		
		100	54	14.82	14.85	14.89	16		
10M	DTT+CDMA PUSP	200	108	14.84	14.91	14.81	16		
		214	0	14.90	14.89	14.90	16		
	DTT+CDMA QPSK	1	1	14.84	14.87	14.86	16		
		1	1	14.84	14.82	14.85	16		
SW	MCS Index	Channel	27180	27638	38380	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.84	14.90	14.74	16		
BW	MCS Index	Channel	27180	27638	38380	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.91	15.09	14.76	16		
BW	MCS Index	Channel	27180	27638	38380	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.89	14.95	14.78	16		
BW	MCS Index	Channel	27180	27638	38380	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.89	14.98	14.74	16		
BW	MCS Index	Channel	27180	27638	38380	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.89	14.98	14.74	16		
BW	MCS Index	Channel	27180	27638	38380	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.84	14.90	14.73	16		
BW	MCS Index	Channel	27180	27638	38380	Max. Time-up			
SW	DTT+CDMA QPSK	1	1	14.84	14.90	14.77	16		

n48 (SCS 30 kHz) (An4)									
BW	MCS Index	RB Set	RB Offset	RB Set	RB Offset	RB Set	RB Offset	Max. Time-up	Max. Time-up
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	(dBm)	(dBm)
40M	DTT+CDMA PUSP	1	1	17.65	17.64	17.69	16		
		1	32	17.70	17.67	17.68	16		
		1	104	17.69	17.71	17.64	16		
		50	0	17.76	17.62	17.68	16		
		50	38	17.69	17.71	17.68	16		
		50	58	17.69	17.66	17.68	16		
	DTT+CDMA QPSK	100	0	17.72	17.71	17.61	16		
		1	1	17.73	17.73	17.78	16		
		1	32	17.63	17.58	17.75	16		
		1	104	17.72	17.68	17.60	16		
		50	0	17.66	17.74	17.62	16		
		50	28	17.75	17.70	17.70	16		
10M	DTT+CDMA PUSP	50	58	17.69	17.74	17.76	16		
		100	0	17.68	17.70	17.77	16		
	DTT+CDMA QPSK	1	1	17.72	17.76	17.76	16		
		1	1	17.63	17.73	17.69	16		
SW	MCS Index	Channel	32734	34484	44808	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	17.65	17.73	17.67	16		
BW	MCS Index	Channel	32734	34484	44808	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	17.74	17.77	17.77	16		

n66 (SCS 30 kHz) (An2)									
BW	MCS Index	RB Set	RB Offset	RB Set	RB Offset	RB Set	RB Offset	Max. Time-up	Max. Time-up
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	(dBm)	(dBm)
40M	DTT+CDMA PUSP	1	1	14.95	14.93	14.18	15		
		1	107	14.94	14.93	14.96	15		
		1	214	14.13	14.10	14.03	15		
		100	0	14.10	14.16	14.00	15		
		100	54	14.16	14.09	14.00	15		
		100	108	14.10	14.09	14.05	15		
	DTT+CDMA QPSK	214	0	14.07	14.07	14.09	15		
		1	1	14.07	14.10	14.18	15		
		1	107	14.08	14.07	14.14	15		
		1	214	14.11	14.13	14.08	15		
		100	0	14.06	14.13	14.02	15		
		100	54	14.14	14.17	14.06	15		
10M	DTT+CDMA PUSP	100	108	14.10	14.14	14.04	15		
		214	0	14.10	14.10	14.04	15		
	DTT+CDMA QPSK	1	1	14.14	14.17	14.03	15		
		1	1	14.12	14.08	14.04	15		
SW	MCS Index	Channel	38880	38880	38880	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.10	14.18	14.10	15		
BW	MCS Index	Channel	38880	38880	38880	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.02	14.13	14.14	15		
BW	MCS Index	Channel	38880	38880	38880	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	13.99	14.13	14.11	15		
BW	MCS Index	Channel	38880	38880	38880	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.10	14.10	14.25	15		
BW	MCS Index	Channel	38880	38880	38880	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	14.10	14.10	14.25	15		
BW	MCS Index	Channel	38880	38880	38880	Max. Time-up			
10M	DTT+CDMA QPSK	1	1	13.98	14.10	14.17	15		

Intra Band CA reduced Power

CA 5B (Ant2)										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Tune up limit (dBm)
					RB Size	RB offset	RB Size	RB offset		
20450	829	20549	838.9	QPSK	1	49	1	0	20.56	21.5
				16QAM	1	49	1	0	20.43	21.5
				64QAM	1	49	1	0	20.54	21.5
				256QAM	1	49	1	0	17.90	19.0
				QPSK	1	49	1	0	20.53	21.5
20476	831.6	20575	841.5	16QAM	1	49	1	0	20.31	21.5
				64QAM	1	49	1	0	20.48	21.5
				256QAM	1	49	1	0	17.90	19.0
				QPSK	1	49	1	0	20.52	21.5
				16QAM	1	49	1	0	20.34	21.5
20501	834.1	20600	844	64QAM	1	49	1	0	20.49	21.5
				256QAM	1	49	1	0	17.83	19.0

CA 7C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Tune up limit (dBm)
					RB Size	RB offset	RB Size	RB offset		
20850	2510	21048	2529.8	QPSK	1	99	1	0	15.01	16.0
				16QAM	1	99	1	0	14.89	16.0
				64QAM	1	99	1	0	14.98	16.0
				256QAM	1	99	1	0	14.77	16.0
				QPSK	1	99	1	0	15.04	16.0
21001	2525.1	21199	2544.9	QPSK	1	99	1	0	14.87	16.0
				16QAM	1	99	1	0	15.03	16.0
				64QAM	1	99	1	0	14.83	16.0
				256QAM	1	99	1	0	15.05	16.0
				QPSK	1	99	1	0	15.02	16.0
21152	2540.2	21350	2560	16QAM	1	99	1	0	15.03	16.0
				64QAM	1	99	1	0	15.03	16.0
				256QAM	1	99	1	0	14.74	16.0
				QPSK	1	99	1	0	15.03	16.0
				16QAM	1	99	1	0	15.03	16.0

CA 38C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Tune up limit (dBm)
					RB Size	RB offset	RB Size	RB offset		
37850	2580	38048	2599.8	QPSK	1	99	1	0	15.76	17.0
				16QAM	1	99	1	0	15.66	17.0
				64QAM	1	99	1	0	15.51	17.0
				256QAM	1	99	1	0	15.82	17.0
				QPSK	1	99	1	0	15.91	17.0
37901	2585.1	38099	2604.9	16QAM	1	99	1	0	15.67	17.0
				64QAM	1	99	1	0	15.63	17.0
				256QAM	1	99	1	0	15.80	17.0
				QPSK	1	99	1	0	15.83	17.0
				16QAM	1	99	1	0	15.68	17.0
37952	2590.2	38150	2610	64QAM	1	99	1	0	15.56	17.0
				256QAM	1	99	1	0	15.81	17.0

CA 41C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Tune up limit (dBm)
					RB Size	RB offset	RB Size	RB offset		
39750	2506	39948	2525.8	QPSK	1	99	1	0	16.05	17.0
				16QAM	1	99	1	0	16.09	17.0
				64QAM	1	99	1	0	15.89	17.0
				256QAM	1	99	1	0	16.00	17.0
				QPSK	1	99	1	0	16.17	17.0
40521	2583.1	40719	2602.9	16QAM	1	99	1	0	15.96	17.0
				64QAM	1	99	1	0	16.04	17.0
				256QAM	1	99	1	0	16.16	17.0
				QPSK	1	99	1	0	16.23	17.0
				16QAM	1	99	1	0	16.19	17.0
41292	2660.2	41490	2680	64QAM	1	99	1	0	16.06	17.0
				256QAM	1	99	1	0	16.21	17.0

CA 42C Part27Q (Ant7)										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Tune up limit (dBm)
					RB Size	RB offset	RB Size	RB offset		
42190	3460	42388	3479.8	QPSK	1	99	1	0	18.50	19.5
				16QAM	1	99	1	0	18.31	19.5
				64QAM	1	99	1	0	18.45	19.5
				256QAM	1	99	1	0	17.95	19.0
				QPSK	1	99	1	0	18.51	19.5
42491	3490.1	42689	3509.9	16QAM	1	99	1	0	18.30	19.5
				64QAM	1	99	1	0	18.48	19.5
				256QAM	1	99	1	0	18.03	19.0
				QPSK	1	99	1	0	18.53	19.5
				16QAM	1	99	1	0	18.45	19.5
42792	3520.2	42990	3540	64QAM	1	99	1	0	18.27	19.5
				256QAM	1	99	1	0	18.02	19.0

CA 48C (Ant7)										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Tune up limit (dBm)	
					RB Size	RB offset	RB Size	RB offset		
53340	3560	55538	3579.8	QPSK	1	99	1	0	18.59	19.5
				16QAM	1	99	1	0	18.47	19.5
				64QAM	1	99	1	0	18.47	19.5
				256QAM	1	99	1	0	18.09	19.0
				QPSK	1	99	1	0	18.57	19.5
55891	3615.1	56089	3634.9	16QAM	1	99	1	0	18.45	19.5
				64QAM	1	99	1	0	18.42	19.5
				256QAM	1	99	1	0	18.01	19.0
				QPSK	1	99	1	0	18.74	19.5
				16QAM	1	99	1	0	18.54	19.5
56442	3670.2	56640	3690	64QAM	1	99	1	0	18.50	19.5
				256QAM	1	99	1	0	18.15	19.0

CA 66B (Ant1)										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Tune up limit (dBm)	
					RB Size	RB offset	RB Size	RB offset		
132022	1715	132121	1724.9	QPSK	1	49	1	0	19.03	20.0
				16QAM	1	49	1	0	19.01	20.0
				64QAM	1	49	1	0	18.87	20.0
				256QAM	1	49	1	0	18.02	19.0
				QPSK	1	49	1	0	18.97	20.0
132373	1750.1	132472	1760	16QAM	1	49	1	0	18.93	20.0
				64QAM	1	49	1	0	18.92	20.0
				256QAM	1	49	1	0	18.10	19.0
				QPSK	1	49	1	0	18.96	20.0
				16QAM	1	49	1	0	18.91	20.0
132523	1765.1	132622	1775	64QAM	1	49	1	0	18.84	20.0
				256QAM	1	49	1	0	18.07	19.0

CA 66C (Ant1)										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	PCC Frequency (MHz)	SCC Channel	SCC Frequency (MHz)	Modulation	PCC		SCC		Measured Power (dBm)	Tune up limit (dBm)
					RB Size	RB offset	RB Size	RB offset		
132072	1720	132270	1739.8	QPSK	1	99	1	0	19.03	20.0
				16QAM	1	99	1	0	18.81	20.0
				64QAM	1	99	1	0	18.99	20.0
				256QAM	1	99	1	0	18.08	19.0
				QPSK	1	99	1	0	19.06	20.0
132323	1745.1	132521	1764.9	16QAM	1	99	1	0	18.95	20.0
				64QAM	1	99	1	0	18.83	20.0
				256QAM	1	99	1	0	18.00	19.0
				QPSK	1	99	1	0	19.04	20.0
132374	1750.2	132572	1770	16QAM	1	99	1	0	18.96	20.0
				64QAM	1	99	1	0	18.81	20.0
				256QAM	1	99	1	0	18.11	19.0

WLAN/BT

[illegible]