

ID	Material	LVL Beam Data (2400mm)										Span (m)	Design Load (kN/m)	Deflection (mm)	Bending Moment (kNm)	Shear Force (kN)	Axial Force (kN)						
		Properties (per meter)					Design Values																
		Depth (mm)	Width (mm)	Area (mm²)	Mass (kg/m)	Section Modulus (cm³)	Design Depth (mm)	Design Width (mm)	Design Area (mm²)	Design Mass (kg/m)	Design Section Modulus (cm³)												
Group A	LVL1	Properties (per meter)		2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000
		1	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		2	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		3	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		4	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		5	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
	LVL2	Properties (per meter)		2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000
		1	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		2	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		3	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		4	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		5	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
Group B	LVL3	Properties (per meter)		2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000
		1	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		2	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		3	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		4	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		5	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
	LVL4	Properties (per meter)		2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000
		1	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		2	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		3	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		4	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		5	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
Group C	LVL5	Properties (per meter)		2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000
		1	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		2	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		3	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		4	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		5	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
	LVL6	Properties (per meter)		2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000
		1	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		2	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		3	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		4	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		
		5	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000	2400	100	240000	18.0	1000000		

		4.76 Round (26-30) (ms)									
		Min Size	Max Size	Min	Max	Min	Max	Min	Max	Min	Max
		Minimum (bytes)	Maximum (bytes)	min-25	min-50	min-75	min-90	min-95	min-99	min-99.5	min-100
SD	Baseline	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Expres	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Longer	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Expres	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
SD	Baseline	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Expres	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Longer	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Expres	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
SD	Baseline	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Expres	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Longer	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Expres	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
SD	Baseline	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Expres	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Longer	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Expres	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
SD	Baseline	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Expres	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Longer	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
	Expres	1	1	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		2	2	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75
		3	3	227	227.75	227.75	227.75	227.75	227.75	227.75	227.75

Site	Measurement	1.5% Band (20 MHz)				Type (MHz)	Power (dBm)
		Min Freq (Frequency offset)	Max Freq (MHz)	Min Freq (MHz)	Max Freq (MHz)		
UMTS	UMTS	1	2.145	2.155	2.145	2.155	2.155
		2	2.160	2.170	2.160	2.170	2.170
		3	2.175	2.185	2.175	2.185	2.185
		4	2.190	2.200	2.190	2.200	2.200
		5	2.205	2.215	2.205	2.215	2.215
		6	2.220	2.230	2.220	2.230	2.230
		7	2.235	2.245	2.235	2.245	2.245
		8	2.250	2.260	2.250	2.260	2.260
		9	2.265	2.275	2.265	2.275	2.275
		10	2.280	2.290	2.280	2.290	2.290
UMTS	UMTS	1	2.300	2.310	2.300	2.310	2.310
		2	2.315	2.325	2.315	2.325	2.325
		3	2.330	2.340	2.330	2.340	2.340
		4	2.345	2.355	2.345	2.355	2.355
		5	2.360	2.370	2.360	2.370	2.370
		6	2.375	2.385	2.375	2.385	2.385
		7	2.390	2.400	2.390	2.400	2.400
		8	2.405	2.415	2.405	2.415	2.415
		9	2.420	2.430	2.420	2.430	2.430
		10	2.435	2.445	2.435	2.445	2.445
UMTS	UMTS	1	2.450	2.460	2.450	2.460	2.460
		2	2.465	2.475	2.465	2.475	2.475
		3	2.480	2.490	2.480	2.490	2.490
		4	2.495	2.505	2.495	2.505	2.505
		5	2.510	2.520	2.510	2.520	2.520
		6	2.525	2.535	2.525	2.535	2.535
		7	2.540	2.550	2.540	2.550	2.550
		8	2.555	2.565	2.555	2.565	2.565
		9	2.570	2.580	2.570	2.580	2.580
		10	2.585	2.595	2.585	2.595	2.595
UMTS	UMTS	1	2.600	2.610	2.600	2.610	2.610
		2	2.615	2.625	2.615	2.625	2.625
		3	2.630	2.640	2.630	2.640	2.640
		4	2.645	2.655	2.645	2.655	2.655
		5	2.660	2.670	2.660	2.670	2.670
		6	2.675	2.685	2.675	2.685	2.685
		7	2.690	2.700	2.690	2.700	2.700
		8	2.705	2.715	2.705	2.715	2.715
		9	2.720	2.730	2.720	2.730	2.730
		10	2.735	2.745	2.735	2.745	2.745
UMTS	UMTS	1	2.750	2.760	2.750	2.760	2.760
		2	2.765	2.775	2.765	2.775	2.775
		3	2.780	2.790	2.780	2.790	2.790
		4	2.795	2.805	2.795	2.805	2.805
		5	2.810	2.820	2.810	2.820	2.820
		6	2.825	2.835	2.825	2.835	2.835
		7	2.840	2.850	2.840	2.850	2.850
		8	2.855	2.865	2.855	2.865	2.865
		9	2.870	2.880	2.870	2.880	2.880
		10	2.885	2.895	2.885	2.895	2.895
UMTS	UMTS	1	2.900	2.910	2.900	2.910	2.910
		2	2.915	2.925	2.915	2.925	2.925
		3	2.930	2.940	2.930	2.940	2.940
		4	2.945	2.955	2.945	2.955	2.955
		5	2.960	2.970	2.960	2.970	2.970
		6	2.975	2.985	2.975	2.985	2.985
		7	2.990	3.000	2.990	3.000	3.000
		8	3.005	3.015	3.005	3.015	3.015
		9	3.020	3.030	3.020	3.030	3.030
		10	3.035	3.045	3.035	3.045	3.045

[illegible]

[illegible]

ID	Metric	A/B Test Results (Q1-Q2)										Significance	Notes	Data Source
		Group A (Control)					Group B (Treatment)							
		Mean	Std Dev	Min	Max	Count	Mean	Std Dev	Min	Max	Count			
L101	Optim.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
	Engage.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
	Retain.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
L102	Optim.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
	Engage.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
	Retain.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
L103	Optim.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
	Engage.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
	Retain.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
L104	Optim.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
	Engage.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
	Retain.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
L105	Optim.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
	Engage.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000
	Retain.	1	50	10	20	100	55	12	25	110	1	0.05	Positive	1000
		2	52	11	22	105	58	13	26	115	1	0.06	Positive	1000
		3	51	9	19	98	56	11	24	108	1	0.04	Positive	1000
		4	53	12	23	107	59	14	27	118	1	0.07	Positive	1000

[illegible]

n2 (SCS 15 kHz) (Am2)									
BW	MCS Index	RB Set		Low	RM	High	Max. Time-up (ms)		
		Channel	Frequency (MHz)						
20M	OFDM-CDMA PUSC BPSK	1	1	22.51	22.95	22.87	24		
		1	53	22.88	22.91	22.82	24		
		1	104	22.77	22.86	22.76	24		
		50	0	22.46	22.50	22.38	23.5		
		50	28	22.98	23.06	22.96	24		
		50	56	23.48	23.51	23.43	23.5		
		100	0	22.44	22.54	22.38	23.5		
	OFDM-CDMA QPSK	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	28	23.01	23.08	22.94	24		
		50	56	21.96	22.01	21.87	23		
SW	MCS Index	Channel		271380	270200	269500	Max. Time-up		
		Frequency (MHz)		5801.5	5885	5881.5			
		OFDM-CDMA QPSK		1	1	22.87	23.07	22.91	24
		Channel		271380	270200	269500	Max. Time-up		
10M	MCS Index	Channel		271380	270200	269500	Max. Time-up		
		Frequency (MHz)		5801	5885	5879			
		OFDM-CDMA QPSK		1	1	22.87	23.07	22.92	24
		Channel		271380	270200	269500	Max. Time-up		
5M	MCS Index	Channel		271380	270200	269500	Max. Time-up		
		Frequency (MHz)		5801.5	5885	5887.5			
		OFDM-CDMA QPSK		1	1	22.86	23.06	22.91	24
		Channel		271380	270200	269500	Max. Time-up		

n5 (SCS 15 kHz) (Am2)									
BW	MCS Index	RB Set		Low	RM	High	Max. Time-up (ms)		
		Channel	Frequency (MHz)						
20M	OFDM-CDMA PUSC BPSK	1	1	23.09	23.12	23.01	24		
		1	53	23.09	23.12	23.01	24		
		1	104	22.82	22.83	22.87	24		
		50	0	22.85	22.86	22.85	23.5		
		50	28	23.10	23.12	23.13	24		
		50	56	23.51	23.52	23.56	23.5		
		100	0	22.84	22.86	22.83	23.5		
	OFDM-CDMA QPSK	1	1	23.17	23.19	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	22.05	22.05	23		
		50	28	23.08	23.13	23.03	24		
		50	56	21.89	21.98	21.87	23		
SW	MCS Index	Channel		163300	167200	168500	Max. Time-up		
		Frequency (MHz)		831.5	866.5	861.5			
		OFDM-CDMA QPSK		1	1	23.03	23.23	23.00	24
		Channel		163300	167200	168500	Max. Time-up		
10M	MCS Index	Channel		163300	167200	168500	Max. Time-up		
		Frequency (MHz)		838	866.5	864			
		OFDM-CDMA QPSK		1	1	22.16	22.12	22.06	24
		Channel		163300	167200	168500	Max. Time-up		
5M	MCS Index	Channel		163300	167200	168500	Max. Time-up		
		Frequency (MHz)		836.5	866.5	866.5			
		OFDM-CDMA QPSK		1	1	23.03	23.10	23.13	24
		Channel		163300	167200	168500	Max. Time-up		

n7 (SCS 15 kHz) (Am2)									
BW	MCS Index	RB Set		Low	RM	High	Max. Time-up (ms)		
		Channel	Frequency (MHz)						
40M	OFDM-CDMA PUSC BPSK	1	1	23.05	22.92	22.94	24		
		1	107	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-CDMA QPSK	214	0	22.87	22.31	22.35	23.5		
		1	1	23.05	23.00	23.08	24		
		1	107	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	23.04	22.92	22.87	24		
SW	MCS Index	Channel		163300	167200	168500	Max. Time-up		
		Frequency (MHz)		831.5	866.5	861.5			
		OFDM-CDMA QPSK		1	1	21.78	21.71	21.66	23
		Channel		163300	167200	168500	Max. Time-up		
10M	MCS Index	Channel		163300	167200	168500	Max. Time-up		
		Frequency (MHz)		831.5	866.5	867.5			
		OFDM-CDMA QPSK		1	1	20.37	20.32	20.29	21.5
		Channel		163300	167200	168500	Max. Time-up		
5M	MCS Index	Channel		163300	167200	168500	Max. Time-up		
		Frequency (MHz)		831.5	866.5	867.5			
		OFDM-CDMA QPSK		1	1	18.67	18.49	18.40	19.5
		Channel		163300	167200	168500	Max. Time-up		

n12 (SCS 15 kHz) (Am2)									
BW	MCS Index	RB Set		Low	RM	High	Max. Time-up (ms)		
		Channel	Frequency (MHz)						
10M	OFDM-CDMA PUSC BPSK	1	1	22.89	22.80	22.78	24		
		1	38	22.94	22.89	22.85	24		
		1	77	22.82	22.82	22.79	24		
		38	0	22.86	22.27	22.33	23.5		
		38	22	22.82	22.86	22.79	24		
		38	43	22.30	22.28	22.23	23.5		
	OFDM-CDMA QPSK	75	0	22.38	22.32	22.34	23.5		
		1	1	22.89	22.81	22.81	24		
		1	38	22.81	22.79	22.70	24		
		1	77	22.80	22.79	22.78	24		
		38	0	21.85	21.80	21.73	23		
		38	22	22.80	22.82	22.77	24		
SW	MCS Index	Channel		168500	168300	168300	Max. Time-up		
		Frequency (MHz)		786.5	787.5	787.5			
		OFDM-CDMA QPSK		1	1	22.85	22.85	22.83	23
		Channel		168500	168300	168300	Max. Time-up		
10M	MCS Index	Channel		168500	168300	168300	Max. Time-up		
		Frequency (MHz)		786.5	787.5	787.5			
		OFDM-CDMA QPSK		1	1	22.85	22.85	22.83	23
		Channel		168500	168300	168300	Max. Time-up		

n14 (SCS 15 kHz) (Ant2)							
BW	MCS Index	FD Set	SR Offset	Low	Mid	High	Max. Tx Power (dBm)
		Channel Frequency (MHz)	Channel	785	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	
	OFDM-CDMA QPSK	50	0	22.92		23.5	
		1	1	22.95		24	
		1	25	22.95		24	
		1	50	22.95		24	
		25	0	22.95		23	
		25	14	22.95		24	
10M	OFDM-CDMA QPSK	25	27	21.85		23	
	OFDM-CDMA QPSK	50	0	21.91		23	
	OFDM-CDMA QPSK	1	1	22.95		23	
	OFDM-CDMA QPSK	1	1	20.71		21.5	
BW	MCS Index	Channel		78500	78500	78500	Max. Tx Power (dBm)
	Frequency (MHz)		785.0	785	785.5		
SM	OFDM-CDMA QPSK	1	1	22.83	22.85	22.91	24

n25 (SCS 15 kHz) (Ant1)								
BW	MCS Index	FD Set	SR Offset	Low	Mid	High	Max. Tx Power (dBm)	
		Channel	Channel	7850	7850.5	7850		
40M	OFDM-CDMA PUSC BPSK	Frequency (MHz)	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	22.33	22.40	22.40	23.5	
		100	54	22.76	22.79	22.86	24	
		100	108	22.41	22.45	22.49	23.5	
	OFDM-CDMA QPSK	214	0	22.39	22.39	22.39	23.5	
		1	1	22.91	22.97	23.03	24	
		1	107	22.80	22.85	22.87	24	
		1	214	22.85	22.84	22.85	24	
		100	0	21.91	21.99	22.02	23	
		100	54	22.86	22.87	22.93	24	
40M	OFDM-CDMA QPSK	100	108	21.93	22.03	22.07	23	
		214	0	21.92	21.98	22.00	23	
		1	1	22.80	22.85	22.81	23	
		1	1	20.42	20.47	20.53	21.5	
BW	MCS Index	Channel		77470	77470	76470	Max. Tx Power (dBm)	
	Frequency (MHz)		765	765.5	765			
30M	OFDM-CDMA QPSK	1	1	22.83	22.90	23.00	24	
BW	MCS Index	Channel		77500	77500	76500	Max. Tx Power (dBm)	
	Frequency (MHz)		765.5	765.5	765.5			
25M	OFDM-CDMA QPSK	1	1	22.87	22.92	23.03	24	
BW	MCS Index	Channel		77500	77500	76500	Max. Tx Power (dBm)	
	Frequency (MHz)		765	765.5	765			
20M	OFDM-CDMA QPSK	1	1	22.84	22.89	23.01	24	
BW	MCS Index	Channel		77500	77500	76500	Max. Tx Power (dBm)	
	Frequency (MHz)		767.5	767.5	767.5			
15M	OFDM-CDMA QPSK	1	1	22.90	22.90	23.02	24	
BW	MCS Index	Channel		77500	77500	76500	Max. Tx Power (dBm)	
	Frequency (MHz)		765	765.5	765			
10M	OFDM-CDMA QPSK	1	1	22.87	22.94	22.97	24	
BW	MCS Index	Channel		77500	77500	76500	Max. Tx Power (dBm)	
	Frequency (MHz)		762.5	762.5	762.5			
5M	OFDM-CDMA QPSK	1	1	22.88	22.88	22.93	24	

n30 (SCS 15 kHz) (Ant1)							
BW	MCS Index	FD Set	SR Offset	Low	Mid	High	Max. Tx Power (dBm)
		Channel Frequency (MHz)	Channel	40200	40200	40200	
10M	OFDM-CDMA PUSC BPSK	1	1	22.98		24	
		1	25	22.91		24	
		1	50	22.62		24	
		25	0	22.88		23.5	
		25	14	22.72		24	
		25	27	22.17		23.5	
	OFDM-CDMA QPSK	50	0	22.96		23.5	
		1	1	22.91		24	
		1	25	22.70		24	
		1	50	22.78		24	
		25	0	21.79		23	
		25	14	22.76		24	
10M	OFDM-CDMA QPSK	25	27	21.73		23	
	OFDM-CDMA QPSK	50	0	21.76		23	
	OFDM-CDMA QPSK	1	1	21.85		23	
	OFDM-CDMA QPSK	1	1	20.25		21.5	
BW	MCS Index	Channel		40200	40200	40200	Max. Tx Power (dBm)
	Frequency (MHz)		4020.5	4020.5	4020.5		
SM	OFDM-CDMA QPSK	1	1	22.87	22.70	22.84	24

n38 (SCS 30 kHz) (Ant1)							
BW	MCS Index	FD Set	SR Offset	Low	Mid	High	Max. Tx Power (dBm)
		Channel	Channel	52800	52800	52800	
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	22.63	23.5
		50	26	22.90	23.13	23.06	24
		50	56	22.62	22.76	22.68	23.5
	OFDM-CDMA QPSK	100	0	22.95	22.69	22.72	23.5
		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	22.98	22.18	22.13	23
		50	26	23.01	23.08	23.05	24
40M	OFDM-CDMA QPSK	50	56	22.25	22.31	22.26	23
	OFDM-CDMA QPSK	100	0	21.97	22.04	22.08	23
	OFDM-CDMA QPSK	1	1	21.83	21.73	21.78	23
	OFDM-CDMA QPSK	1	1	20.36	20.36	20.35	21.5
BW	MCS Index	Channel		52800	52800	52800	Max. Tx Power (dBm)
	Frequency (MHz)		528	528	528		
30M	OFDM-CDMA QPSK	1	1	22.92	22.99	22.98	24
BW	MCS Index	Channel		52800	52800	52800	Max. Tx Power (dBm)
	Frequency (MHz)		528	528	528		
20M	OFDM-CDMA QPSK	1	1	22.97	23.02	23.01	24

n71 (SCS 30 kHz) (Am7)																
BW	MCS Index	RB Set		RB Offset	Low	High	Max. Time-up	RB Set		RB Offset	Low	High	Max. Time-up			
		Channel	Frequency (MHz)	572	585.5	24	Channel	Frequency (MHz)	572	585.5	24					
20M	OFDM-OFDM PUSC	1	1	22.88	22.91	22.90	24	OFDM-OFDM PUSC	1	1	22.88	22.91	22.90	24		
		1	53	22.87	23.00	22.98	24		OFDM-OFDM PUSC	1	53	22.87	23.00	22.98	24	
		1	104	22.95	22.98	22.96	24			OFDM-OFDM PUSC	1	104	22.95	22.98	22.96	24
		50	0	22.46	22.50	23.5	OFDM-OFDM PUSC				50	0	22.46	22.50	23.5	23.5
		50	20	22.97	23.01	23.00					24	OFDM-OFDM PUSC	50	20	22.97	23.01
	50	50	22.46	22.54	23.5	OFDM-OFDM PUSC		50			50		22.46	22.54	23.5	23.5
	100	0	22.52	22.52	22.52			23.5	OFDM-OFDM PUSC		100		0	22.52	22.52	22.52
	1	1	23.09	23.13	23.12			24		OFDM-OFDM PUSC	1		1	23.09	23.13	23.12
	1	53	23.09	23.13	23.07		24	OFDM-OFDM PUSC			1		53	23.09	23.13	23.07
	1	104	23.04	23.11	23.00		24				OFDM-OFDM PUSC	1	104	23.04	23.11	23.00
50	0	22.02	22.05	21.98	23	OFDM-OFDM PUSC	50					0	22.02	22.05	21.98	23
50	80	23.00	23.09	23.07	24		OFDM-OFDM PUSC		50			80	23.00	23.09	23.07	24
50	56	21.97	22.06	22.03	23				OFDM-OFDM PUSC	50		56	21.97	22.06	22.03	23
100	0	22.05	22.06	22.03	23			OFDM-OFDM PUSC		100		0	22.05	22.06	22.03	23
1	1	21.97	22.04	22.01	23					OFDM-OFDM PUSC	1	1	21.97	22.04	22.01	23
1	1	20.49	20.54	20.48	21.5	OFDM-OFDM PUSC					1	1	20.49	20.54	20.48	21.5
1	1	18.53	18.57	18.54	19.5		OFDM-OFDM PUSC				1	1	18.53	18.57	18.54	19.5
5M	MCS Index	Channel		Frequency (MHz)	13020				13020		13000	Channel	Frequency (MHz)	13020	13020	13000
		Frequency (MHz)	570.5	585.5	600			570.5	585.5		600					
15M	MCS Index	Channel		Frequency (MHz)	570.5			585.5	600	Channel	Frequency (MHz)	570.5	585.5	600		
OFDM-OFDM PUSC		1	1	23.02	23.04	23.08		24	OFDM-OFDM PUSC		1	1	23.02	23.04	23.08	24
10M	MCS Index	Channel		Frequency (MHz)	588	585.5	600	Channel	Frequency (MHz)	588	585.5	600				
OFDM-OFDM PUSC		1	1	22.00	22.03	22.07	24		OFDM-OFDM PUSC	1	1	22.00	22.03	22.07	24	
5M	MCS Index	Channel		Frequency (MHz)	588	585.5	600	Channel	Frequency (MHz)	588	585.5	600				
OFDM-OFDM PUSC		1	1	23.00	23.03	23.00	24		OFDM-OFDM PUSC	1	1	23.00	23.03	23.00	24	
5M	MCS Index	Channel		Frequency (MHz)	588	585.5	600	Channel	Frequency (MHz)	588	585.5	600				
OFDM-OFDM PUSC		1	1	23.07	23.11	23.12	24		OFDM-OFDM PUSC	1	1	23.07	23.11	23.12	24	

n77 (SCS 30 kHz) (Am7) 3450MHz-3550MHz for FCC														
BW	MCS Index	RB Set		RB Offset	Low		Max. Time-up	High		RB Offset	Max. Time-up			
		Channel	Frequency (MHz)		Channel	Frequency (MHz)								
100M	OFDM-OFDM PUSC	1	1		62200	62200	24	62200	62200		24			
		1	137		22.76	22.76	24	22.76	22.76		24			
		1	271		22.81	22.81	24	22.81	22.81		24			
		135	0		22.34	22.34	23.5	22.34	22.34		23.5			
		135	60		22.77	22.77	24	22.77	22.77		24			
	OFDM-OFDM PUSC	135	138		22.34	22.34	23.5	22.34	22.34		23.5			
		270	0		22.30	22.30	23.5	22.30	22.30		23.5			
		1	1		22.95	22.95	24	22.95	22.95		24			
		1	137		22.97	22.97	24	22.97	22.97		24			
		1	271		22.75	22.75	24	22.75	22.75		24			
50M	OFDM-OFDM PUSC	135	0		21.88	21.88	23	21.88	21.88		23			
		135	60		21.85	21.85	24	21.85	21.85		24			
		135	138		21.81	21.81	23	21.81	21.81		23			
		270	0		21.78	21.78	23	21.78	21.78		23			
		1	1		21.82	21.82	23	21.82	21.82		23			
	OFDM-OFDM PUSC	1	1		20.46	20.46	21.5	20.46	20.46		21.5			
		1	1		18.47	18.47	19.5	18.47	18.47		19.5			
		Channel	Frequency (MHz)	63300	63304	63300	Channel	Frequency (MHz)	63300	63304	63300			
		MCS Index	Frequency (MHz)	3460	3460.5	3460.9	MCS Index	Frequency (MHz)	3460	3460.5	3460.9			
		30M	OFDM-OFDM PUSC	1	1		22.85	22.85	22.89	24	22.85	22.85	22.89	24
30M	OFDM-OFDM PUSC	Channel	Frequency (MHz)	63300	63304	63300	Channel	Frequency (MHz)	63300	63304	63300			
		MCS Index	Frequency (MHz)	3460.5	3460.5	3461	MCS Index	Frequency (MHz)	3460.5	3460.5	3461			
		30M	OFDM-OFDM PUSC	1	1		22.94	22.94	22.99	24	22.94	22.94	22.99	24
		Channel	Frequency (MHz)	63300	63304	63300	Channel	Frequency (MHz)	63300	63304	63300			
		MCS Index	Frequency (MHz)	3460.5	3460.5	3461	MCS Index	Frequency (MHz)	3460.5	3460.5	3461			
	OFDM-OFDM PUSC	1	1		22.84	22.82	22.81	24	22.84	22.82	22.81	24		
		Channel	Frequency (MHz)	63300	63304	63300	Channel	Frequency (MHz)	63300	63304	63300			
		MCS Index	Frequency (MHz)	3460	3460.5	3460.9	MCS Index	Frequency (MHz)	3460	3460.5	3460.9			
		60M	OFDM-OFDM PUSC	1	1		22.83	22.82	22.84	24	22.83	22.82	22.84	24
		Channel	Frequency (MHz)	63300	63304	63300	Channel	Frequency (MHz)	63300	63304	63300			
15M	OFDM-OFDM PUSC	Channel	Frequency (MHz)	63300	63304	63300	Channel	Frequency (MHz)	63300	63304	63300			
		MCS Index	Frequency (MHz)	3460.5	3460.5	3461	MCS Index	Frequency (MHz)	3460.5	3460.5	3461			
		30M	OFDM-OFDM PUSC	1	1		22.88	22.84	22.88	24	22.88	22.84	22.88	24
		Channel	Frequency (MHz)	63300	63304	63300	Channel	Frequency (MHz)	63300	63304	63300			
		MCS Index	Frequency (MHz)	3460.5	3460.5	3461	MCS Index	Frequency (MHz)	3460.5	3460.5	3461			
	OFDM-OFDM PUSC	1	1		22.81	22.80	22.85	24	22.81	22.80	22.85	24		
		Channel	Frequency (MHz)	63300	63304	63300	Channel	Frequency (MHz)	63300	63304	63300			
		MCS Index	Frequency (MHz)	3460	3460.5	3460.9	MCS Index	Frequency (MHz)	3460	3460.5	3460.9			
		60M	OFDM-OFDM PUSC	1	1		22.83	22.82	22.84	24	22.83	22.82	22.84	24
		Channel	Frequency (MHz)	63300	63304	63300	Channel	Frequency (MHz)	63300	63304	63300			

n77 (SCS 30 kHz) (Am7) 3700MHz-3800MHz for FCC															
BW	MCS Index	RB Set		RB Offset	Low		High		Max. Time-up (GHz)						
		Channel	Frequency (MHz)		Start	End	Start	End							
100M	OFDM-OFDM PUSC	1	1	22.72	22.76	22.60	24	OFDM-OFDM PUSC	1	1	22.72	22.76	22.60	24	
		1	137	22.75	22.79	22.65	24		1	137	22.75	22.79	22.65	24	
		1	271	22.68	22.69	22.54	24		1	271	22.68	22.69	22.54	24	
		135	0	22.34	22.38	22.18	23.5		135	0	22.34	22.38	22.18	23.5	
		135	60	22.82	22.81	22.70	24		135	60	22.82	22.81	22.70	24	
	OFDM-OFDM PUSC	135	138	22.32	22.36	22.07	23.5		135	138	22.32	22.36	22.07	23.5	
		270	0	22.33	22.36	22.17	23.5		270	0	22.33	22.36	22.17	23.5	
		1	1	22.99	23.02	22.83	24		1	1	22.99	23.02	22.83	24	
		1	137	22.97	22.99	22.85	24		1	137	22.97	22.99	22.85	24	
		1	271	22.90	22.90	22.77	24		1	271	22.90	22.90	22.77	24	
50M	OFDM-OFDM PUSC	135	0	21.97	22.01	21.84	23.5	OFDM-OFDM PUSC	135	0	21.97	22.01	21.84	23.5	
		135	60	22.97	23.01	22.82	24		135	60	22.97	23.01	22.82	24	
		135	138	21.92	21.97	21.80	23.5		135	138	21.92	21.97	21.80	23.5	
		270	0	21.96	21.94	21.83	23.5		270	0	21.96	21.94	21.83	23.5	
		1	1	21.96	22.00	21.83	23.5		1	1	21.96	22.00	21.83	23.5	
	OFDM-OFDM PUSC	1	1	20.48	20.52	20.33	23.5		OFDM-OFDM PUSC	1	1	20.48	20.52	20.33	23.5
		1	1	18.51	18.55	18.36	19.0			1	1	18.51	18.55	18.36	19.0
		Channel	Frequency (MHz)	65800	65800	65820	65820			Channel	Frequency (MHz)	65800	65800	65820	65820
		1	1	22.96	22.98	22.92	24			1	1	22.96	22.98	22.92	24
		1	137	22.97	22.99	22.90	24			1	137	22.97	22.99	22.90	24
30M	OFDM-OFDM PUSC	1	1	22.96	22.97	22.90	24	OFDM-OFDM PUSC	1	1	22.96	22.97	22.90	24	
		Channel	Frequency (MHz)	65800	65800	65820	65820		Channel	Frequency (MHz)	65800	65800	65820	65820	
		1	1	22.92	23.00	22.91	24		1	1	22.92	23.00	22.91	24	
		Channel	Frequency (MHz)	65800	65800	65820	65820		Channel	Frequency (MHz)	65800	65800	65820	65820	
		1	1	22.93	22.97	22.89	24		1	1	22.93	22.97	22.89	24	
	OFDM-OFDM PUSC	1	1	22.93	22.97	22.89	24		OFDM-OFDM PUSC	1	1	22.93	22.97	22.89	24
		Channel	Frequency (MHz)	65800	65800	65820	65820			Channel	Frequency (MHz)	65800	65800	65820	65820
		1	1	22.91	22.94	22.84	24			1	1	22.91	22.94	22.84	24
		Channel	Frequency (MHz)	65800	65800	65820	65820			Channel	Frequency (MHz)	65800	65800	65820	65820
		1	1	22.90	22.96	22.84	24			1	1	22.90	22.96	22.84	24
15M	OFDM-OFDM PUSC	1	1	22.92	22.98	22.90	24	OFDM-OFDM PUSC	1	1	22.92	22.98	22.90	24	
		Channel	Frequency (MHz)	65800	65800	65820	65820		Channel	Frequency (MHz)	65800	65800	65820	65820	
		1	1	22.91	23.02	22.83	24		1	1	22.91	23.02	22.83	24	
		Channel	Frequency (MHz)	65800	65800	65820	65820		Channel	Frequency (MHz)	65800	65800	65820	65820	
		1	1	22.91	22.99	22.88	24		1	1	22.91	22.99	22.88	24	

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)		1880	1880	1880	1880			
20M	OFDM-QPSK	1	1	19.83	19.84	19.83	21			
		1	52	19.86	19.79	19.74	21			
		1	104	19.74	19.77	19.68	21			
		50	0	19.86	19.86	19.82	21			
		50	38	19.87	19.81	19.66	21			
		50	50	19.80	19.81	19.77	21			
	OFDM-QPSK	100	0	19.82	19.87	19.81	21			
		1	1	20.08	20.02	19.99	21			
		1	52	19.98	19.99	19.98	21			
		1	104	19.84	19.95	19.83	21			
		50	0	19.86	19.97	19.94	21			
		50	38	19.90	19.96	19.91	21			
10M	OFDM-QPSK	50	50	19.86	19.93	19.89	21			
		100	0	19.86	19.97	19.94	21			
		OFDM-QPSK	1	1	19.81	19.83	19.80	21		
		OFDM-QPSK	1	1	19.97	19.97	19.92	21		
		OFDM-QPSK	1	1	19.42	19.44	19.43	19.5		
		Channel		17180	17180	16980	Max. Time (s)			
5M	OFDM-QPSK	100	0	19.82	19.88	19.82	21			
		OFDM-QPSK	1	1	19.82	19.88	19.88	21		
		Channel		17180	17180	16980	Max. Time (s)			
		OFDM-QPSK	1	1	19.82	19.88	19.88	21		
		Channel		17180	17180	16980	Max. Time (s)			
		OFDM-QPSK	1	1	19.82	19.88	19.88	21		

n7 (SCS 15 kHz) (Am2)									
BW	MCS Index	RB Set	RB Offset	Low	Mid	High		Max. Throughput (kbps)	
		Frequency (MHz)		2012.5	2020	2020			
40M	OFDM-QPSK	1	1	19.89	20.05	20.03	21		
		1	107	19.96	19.90	19.84	21		
		1	214	19.94	19.90	19.87	21		
		100	0	20.03	20.03	19.97	21		
		100	54	20.04	20.06	20.02	21		
		100	108	19.99	19.99	19.94	21		
	OFDM-QPSK	214	0	20.00	20.04	20.00	20		
		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	20.13	20.10	21		
		100	54	20.08	20.13	20.09	21		
OFDM-QPSK	200	108	20.05	20.14	20.05	21			
	214	0	20.14	20.14	20.15	21			
	1	1	19.99	20.03	19.95	21			
	1	1	20.17	20.14	20.12	21			
	1	1	19.58	19.60	19.60	19.5			
	Channel		16980	16980	16780	Max. Time (s)			
10M	OFDM-QPSK	100	0	20.20	20.12	20.11	21		
		Channel		16980	16980	16780	Max. Time (s)		
		1	1	20.12	20.12	20.12	21		
		Channel		16980	16980	16780	Max. Time (s)		
		1	1	20.12	20.12	20.12	21		
		Channel		16980	16980	16780	Max. Time (s)		
5M	OFDM-QPSK	100	0	20.12	20.12	20.12	21		
		Channel		16980	16980	16780	Max. Time (s)		
		1	1	20.11	20.13	20.08	21		
		Channel		16980	16980	16780	Max. Time (s)		
		1	1	20.11	20.12	20.12	21		
		Channel		16980	16980	16780	Max. Time (s)		
3M	OFDM-QPSK	100	0	20.18	20.12	20.10	21		
		Channel		16980	16980	16780	Max. Time (s)		
		1	1	20.18	20.12	20.10	21		
		Channel		16980	16980	16780	Max. Time (s)		
		1	1	20.18	20.12	20.10	21		
		Channel		16980	16980	16780	Max. Time (s)		

n25 (SCS 15 kHz) (Am2)									
BW	MCS Index	RB Set		Low	1960	High	Max. Throughput (kbps)	Max. Time (s)	
		Frequency (MHz)	Offset	1870	1882.5	1970			
40M	OFDM-QPSK	1	1	19.69	19.80	19.77	21		
		1	107	19.69	19.73	19.67	21		
		1	214	19.67	19.64	19.58	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-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-QPSK	100	108	19.76	19.86	19.79	21			
	214	0	19.88	19.88	19.88	21			
	1	1	19.89	19.73	19.68	21			
	1	1	19.89	19.87	19.84	21			
	1	1	19.32	19.31	19.30	19.5			
	Channel		17180	17180	16980	Max. Time (s)			
10M	OFDM-QPSK	1	1	19.82	19.80	19.82	21		
Channel			17180	17180	16980	Max. Time (s)			
1		1	19.87	19.87	19.89	21			
Channel			17180	17180	16980	Max. Time (s)			
1		1	19.87	19.87	19.87	21			
Channel			17180	17180	16980	Max. Time (s)			
5M	OFDM-QPSK	100	0	19.82	19.82	19.82	21		
Channel			17180	17180	16980	Max. Time (s)			
1		1	19.81	19.82	19.81	21			
Channel			17180	17180	16980	Max. Time (s)			
1		1	19.81	19.87	19.81	21			
Channel			17180	17180	16980	Max. Time (s)			

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)		1880	1880	1880	1880			
40M	OFDM-QPSK	1	1	19.85	20.04	20.00	21			
		1	52	19.82	20.03	20.00	21			
		1	104	19.89	20.00	20.00	21			
		50	0	19.87	20.03	19.99	21			
		50	26	19.86	20.02	20.02	21			
		50	56	19.86	20.04	20.03	21			
	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	19.86	19.94	19.95	21			
		50	26	19.89	19.94	19.94	21			
20M	OFDM-QPSK	50	56	19.92	20.06	20.07	21			
		100	0	20.02	20.06	20.06	21			
		OFDM-QPSK	1	1	19.96	20.00	19.96	21		
		OFDM-QPSK	1	1	20.04	20.09	20.08	21		
		OFDM-QPSK	1	1	19.39	19.47	19.40	19.5		
		Channel		16980	16980	16780	Max. Time (s)			
10M	OFDM-QPSK	100	0	20.11	20.11	20.10	21			
		Channel		16980	16980	16780	Max. Time (s)			
		OFDM-QPSK	1	1	20.11	20.11	20.11	21		
		Channel		16980	16980	16780	Max. Time (s)			
		OFDM-QPSK	1	1	20.11	20.11	20.11	21		
		Channel		16980	16980	16780	Max. Time (s)			

n77 (SCS 30 kHz) (Ann4) 3700MHz-3800MHz for FCC									
BW	MCS Index	As Desc.	As Offset	Min. Channel	Max. Channel	Max. Turn-up	Max. Turn-up (dBm)		
		Frequency (MHz)		3700	3800	3800			
300M	DFT+QPSK PUSC 8PSK	1	1	20.24	20.26	20.65	21		
		1	137	20.12	20.20	20.60	21		
		1	271	20.17	20.24	20.54	21		
		125	0	20.20	20.32	20.60	21		
		125	69	20.10	20.22	20.54	21		
		125	138	20.17	20.17	20.53	21		
		270	0	20.27	20.31	20.58	21		
		1	1	20.30	20.37	20.66	21		
		1	137	20.21	20.22	20.57	21		
	DFT+QPSK QPSK	1	271	20.27	20.31	20.60	21		
		125	0	20.21	20.29	20.58	21		
		125	69	20.20	20.20	20.60	21		
		125	138	20.21	20.21	20.54	21		
		270	0	20.22	20.29	20.58	21		
	DFT+QPSK 8PSK	1	1	20.23	20.27	20.58	21		
		DFT+QPSK 8PSK	1	1	20.17	20.04	20.53	21	
		DFT+QPSK 8PSK	1	1	18.40	18.04	18.03	19.5	
300M	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			2700.00	3000	3000.00		
		1	1	20.20	20.20	20.60	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			2700.00	3000	3000.00		
		1	1	20.20	20.20	20.58	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			3000.00	3000	3000.00		
		1	1	20.20	20.27	20.57	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			2700.00	3000	3000.00		
		1	1	20.20	20.26	20.58	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			2700.00	3000	3000.00		
		1	1	20.20	20.20	20.60	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			2700.00	3000	3000.00		
		1	1	20.20	20.20	20.57	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			2700.00	3000	3000.00		
		1	1	20.20	20.20	20.58	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			2700.00	3000	3000.00		
		1	1	20.20	20.20	20.58	21		

n78 (SCS 30 kHz) (Ann4) 3400MHz-3550MHz for FCC									
BW	MCS Index	As Desc.	As Offset	Min. Channel	Max. Channel	Max. Turn-up	Max. Turn-up (dBm)		
		Frequency (MHz)		3400	3550	3550			
300M	DFT+QPSK PUSC 8PSK	1	1		20.07		21		
		1	137		20.15		21		
		1	271		20.09		21		
		125	0		20.10		21		
		125	69		20.16		21		
		125	138		20.04		21		
		270	0		20.16		21		
		1	1		20.21		21		
		1	137		19.98		21		
	DFT+QPSK QPSK	1	271		20.12		21		
		125	0		20.10		21		
		125	69		20.17		21		
		125	138		20.07		21		
		270	0		20.20		21		
	DFT+QPSK 8PSK	1	1		19.89		21		
		DFT+QPSK 8PSK	1	1	20.12		21		
		DFT+QPSK 8PSK	1	1	18.87		19.5		
300M	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			3400	3500.00	3500.00		
		1	1	20.21	20.13	20.15	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			3400.00	3500.00	3500		
		1	1	20.12	20.17	20.12	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			3400.00	3500.00	3500.00		
		1	1	20.10	20.15	20.21	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			3400	3500.00	3500.00		
		1	1	20.10	20.13	20.15	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			3400.00	3500.00	3500		
		1	1	20.17	20.12	20.21	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			3400.00	3500.00	3500.00		
		1	1	20.10	20.10	20.18	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			3400.00	3500.00	3500.00		
		1	1	20.14	20.20	20.18	21		
	MCS Index	Channel			63000	63000	63000	Max. Turn-up	
		Frequency (MHz)			3400.00	3500.00	3500.00		
		1	1	20.14	20.15	20.17	21		

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

Reduced Power

ID	Material	LTC Band 2 (4x25)									
		Min Value		Max Value		Min Value		Max Value		Min Value	
		Frequency (MHz)	Power (dBm)	Frequency (MHz)	Power (dBm)	Frequency (MHz)	Power (dBm)	Frequency (MHz)	Power (dBm)	Frequency (MHz)	Power (dBm)
UPTX	UPTX01	1	300	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	300	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	300	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
		4	300	30.30	30.30	30.30	30.30	5	30.30	30.30	30.30
		5	300	30.30	30.30	30.30	30.30	6	30.30	30.30	30.30
		6	300	30.30	30.30	30.30	30.30	7	30.30	30.30	30.30
		7	300	30.30	30.30	30.30	30.30	8	30.30	30.30	30.30
		8	300	30.30	30.30	30.30	30.30	9	30.30	30.30	30.30
		9	300	30.30	30.30	30.30	30.30	10	30.30	30.30	30.30
		10	300	30.30	30.30	30.30	30.30	11	30.30	30.30	30.30
L200	L20001	1	300	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	300	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	300	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
		4	300	30.30	30.30	30.30	30.30	5	30.30	30.30	30.30
		5	300	30.30	30.30	30.30	30.30	6	30.30	30.30	30.30
		6	300	30.30	30.30	30.30	30.30	7	30.30	30.30	30.30
		7	300	30.30	30.30	30.30	30.30	8	30.30	30.30	30.30
		8	300	30.30	30.30	30.30	30.30	9	30.30	30.30	30.30
		9	300	30.30	30.30	30.30	30.30	10	30.30	30.30	30.30
		10	300	30.30	30.30	30.30	30.30	11	30.30	30.30	30.30
DOWNLINK	DOWNLINK01	1	300	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	300	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	300	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
		4	300	30.30	30.30	30.30	30.30	5	30.30	30.30	30.30
		5	300	30.30	30.30	30.30	30.30	6	30.30	30.30	30.30
		6	300	30.30	30.30	30.30	30.30	7	30.30	30.30	30.30
		7	300	30.30	30.30	30.30	30.30	8	30.30	30.30	30.30
		8	300	30.30	30.30	30.30	30.30	9	30.30	30.30	30.30
		9	300	30.30	30.30	30.30	30.30	10	30.30	30.30	30.30
		10	300	30.30	30.30	30.30	30.30	11	30.30	30.30	30.30
REF	REF01	1	300	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	300	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	300	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
UPTX	UPTX02	1	27.7	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	27.7	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	27.7	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
		4	27.7	30.30	30.30	30.30	30.30	5	30.30	30.30	30.30
		5	27.7	30.30	30.30	30.30	30.30	6	30.30	30.30	30.30
		6	27.7	30.30	30.30	30.30	30.30	7	30.30	30.30	30.30
		7	27.7	30.30	30.30	30.30	30.30	8	30.30	30.30	30.30
		8	27.7	30.30	30.30	30.30	30.30	9	30.30	30.30	30.30
		9	27.7	30.30	30.30	30.30	30.30	10	30.30	30.30	30.30
		10	27.7	30.30	30.30	30.30	30.30	11	30.30	30.30	30.30
L200	L20002	1	27.7	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	27.7	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	27.7	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
		4	27.7	30.30	30.30	30.30	30.30	5	30.30	30.30	30.30
		5	27.7	30.30	30.30	30.30	30.30	6	30.30	30.30	30.30
		6	27.7	30.30	30.30	30.30	30.30	7	30.30	30.30	30.30
		7	27.7	30.30	30.30	30.30	30.30	8	30.30	30.30	30.30
		8	27.7	30.30	30.30	30.30	30.30	9	30.30	30.30	30.30
		9	27.7	30.30	30.30	30.30	30.30	10	30.30	30.30	30.30
		10	27.7	30.30	30.30	30.30	30.30	11	30.30	30.30	30.30
DOWNLINK	DOWNLINK02	1	27.7	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	27.7	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	27.7	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
		4	27.7	30.30	30.30	30.30	30.30	5	30.30	30.30	30.30
		5	27.7	30.30	30.30	30.30	30.30	6	30.30	30.30	30.30
		6	27.7	30.30	30.30	30.30	30.30	7	30.30	30.30	30.30
		7	27.7	30.30	30.30	30.30	30.30	8	30.30	30.30	30.30
		8	27.7	30.30	30.30	30.30	30.30	9	30.30	30.30	30.30
		9	27.7	30.30	30.30	30.30	30.30	10	30.30	30.30	30.30
		10	27.7	30.30	30.30	30.30	30.30	11	30.30	30.30	30.30
REF	REF02	1	27.7	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	27.7	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	27.7	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
UPTX	UPTX03	1	27.7	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	27.7	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	27.7	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
		4	27.7	30.30	30.30	30.30	30.30	5	30.30	30.30	30.30
		5	27.7	30.30	30.30	30.30	30.30	6	30.30	30.30	30.30
		6	27.7	30.30	30.30	30.30	30.30	7	30.30	30.30	30.30
		7	27.7	30.30	30.30	30.30	30.30	8	30.30	30.30	30.30
		8	27.7	30.30	30.30	30.30	30.30	9	30.30	30.30	30.30
		9	27.7	30.30	30.30	30.30	30.30	10	30.30	30.30	30.30
		10	27.7	30.30	30.30	30.30	30.30	11	30.30	30.30	30.30
L200	L20003	1	27.7	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	27.7	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	27.7	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
		4	27.7	30.30	30.30	30.30	30.30	5	30.30	30.30	30.30
		5	27.7	30.30	30.30	30.30	30.30	6	30.30	30.30	30.30
		6	27.7	30.30	30.30	30.30	30.30	7	30.30	30.30	30.30
		7	27.7	30.30	30.30	30.30	30.30	8	30.30	30.30	30.30
		8	27.7	30.30	30.30	30.30	30.30	9	30.30	30.30	30.30
		9	27.7	30.30	30.30	30.30	30.30	10	30.30	30.30	30.30
		10	27.7	30.30	30.30	30.30	30.30	11	30.30	30.30	30.30
DOWNLINK	DOWNLINK03	1	27.7	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	27.7	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	27.7	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30
		4	27.7	30.30	30.30	30.30	30.30	5	30.30	30.30	30.30
		5	27.7	30.30	30.30	30.30	30.30	6	30.30	30.30	30.30
		6	27.7	30.30	30.30	30.30	30.30	7	30.30	30.30	30.30
		7	27.7	30.30	30.30	30.30	30.30	8	30.30	30.30	30.30
		8	27.7	30.30	30.30	30.30	30.30	9	30.30	30.30	30.30
		9	27.7	30.30	30.30	30.30	30.30	10	30.30	30.30	30.30
		10	27.7	30.30	30.30	30.30	30.30	11	30.30	30.30	30.30
REF	REF03	1	27.7	30.30	30.30	30.30	30.30	2	30.30	30.30	30.30
		2	27.7	30.30	30.30	30.30	30.30	3	30.30	30.30	30.30
		3	27.7	30.30	30.30	30.30	30.30	4	30.30	30.30	30.30

[illegible][illegible]

ID	Model	U.S. Retail 7 (Units)						
		Avg Size (sq ft)		Total Sales (\$M)		Avg Price (\$/unit)		
		Frequency (Days)	Units	Units	Revenue	Units	Revenue	
Q1-24	USPH	1	361	10,000	\$1,000	27.68	\$276.80	
		2	361	10,000	\$1,000	27.68	\$276.80	
		3	361	10,000	\$1,000	27.68	\$276.80	
		4	361	10,000	\$1,000	27.68	\$276.80	
		5	361	10,000	\$1,000	27.68	\$276.80	
	USPH	6	361	10,000	\$1,000	27.68	\$276.80	
		7	361	10,000	\$1,000	27.68	\$276.80	
		8	361	10,000	\$1,000	27.68	\$276.80	
		9	361	10,000	\$1,000	27.68	\$276.80	
		10	361	10,000	\$1,000	27.68	\$276.80	
Q2-24	USPH	1	361	10,000	\$1,000	27.68	\$276.80	
		2	361	10,000	\$1,000	27.68	\$276.80	
		3	361	10,000	\$1,000	27.68	\$276.80	
		4	361	10,000	\$1,000	27.68	\$276.80	
		5	361	10,000	\$1,000	27.68	\$276.80	
	USPH	6	361	10,000	\$1,000	27.68	\$276.80	
		7	361	10,000	\$1,000	27.68	\$276.80	
		8	361	10,000	\$1,000	27.68	\$276.80	
		9	361	10,000	\$1,000	27.68	\$276.80	
		10	361	10,000	\$1,000	27.68	\$276.80	
Q3-24	USPH	1	361	10,000	\$1,000	27.68	\$276.80	
		2	361	10,000	\$1,000	27.68	\$276.80	
		3	361	10,000	\$1,000	27.68	\$276.80	
		4	361	10,000	\$1,000	27.68	\$276.80	
		5	361	10,000	\$1,000	27.68	\$276.80	
	USPH	6	361	10,000	\$1,000	27.68	\$276.80	
		7	361	10,000	\$1,000	27.68	\$276.80	
		8	361	10,000	\$1,000	27.68	\$276.80	
		9	361	10,000	\$1,000	27.68	\$276.80	
		10	361	10,000	\$1,000	27.68	\$276.80	
Q4-24	USPH	1	361	10,000	\$1,000	27.68	\$276.80	
		2	361	10,000	\$1,000	27.68	\$276.80	
		3	361	10,000	\$1,000	27.68	\$276.80	
		4	361	10,000	\$1,000	27.68	\$276.80	
		5	361	10,000	\$1,000	27.68	\$276.80	
	USPH	6	361	10,000	\$1,000	27.68	\$276.80	
		7	361	10,000	\$1,000	27.68	\$276.80	
		8	361	10,000	\$1,000	27.68	\$276.80	
		9	361	10,000	\$1,000	27.68	\$276.80	
		10	361	10,000	\$1,000	27.68	\$276.80	
Q1-25	USPH	1	361	10,000	\$1,000	27.68	\$276.80	
		2	361	10,000	\$1,000	27.68	\$276.80	
		3	361	10,000	\$1,000	27.68	\$276.80	
		4	361	10,000	\$1,000	27.68	\$276.80	
		5	361	10,000	\$1,000	27.68	\$276.80	
	USPH	6	361	10,000	\$1,000	27.68	\$276.80	
		7	361	10,000	\$1,000	27.68	\$276.80	
		8	361	10,000	\$1,000	27.68	\$276.80	

LTE Band 20 (800)									
BS	Subcarrier	AR Band	AR Band	AR Band	AR Band	AR Band	AR Band	AR Band	AR Band
		Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel
BS	Subcarrier	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel
		Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel
BS	UP	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
	DOWN	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
BS	UP	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
	DOWN	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
BS	UP	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
	DOWN	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8

LTE Band 20 (800)									
BS	Subcarrier	AR Band	AR Band	AR Band	AR Band	AR Band	AR Band	AR Band	AR Band
		Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel
BS	Subcarrier	Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel
		Channel	Channel	Channel	Channel	Channel	Channel	Channel	Channel
BS	UP	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
	DOWN	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
BS	UP	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
	DOWN	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
BS	UP	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
	DOWN	1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8
		1	2	3	4	5	6	7	8

n2 (SCS 18 kHz) (Ant1)									
BW	MCS Index	RB Set		Low	Mid	High	Max. Time-up (dB)		
		Channel	Frequency (MHz)						
20M	OFDM-CDMA PUS BPSK	1	1	18.48	18.50	18.62	19.5		
		1	53	18.62	18.46	18.46	19.5		
		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		271380	276280	283900	Max. Time-up		
		Frequency (MHz)		1861.2	1885	1880.5			
		10M	OFDM-CDMA QPSK	1	1	18.38	18.61	18.65	19.5
		Channel		271380	276280	283900	Max. Time-up		
		Frequency (MHz)		1886	1886	1886			
		10M	OFDM-CDMA QPSK	1	1	18.35	18.62	18.61	19.5
SW	MCS Index	Channel		271380	276280	283900	Max. Time-up		
		Frequency (MHz)		1881.2	1889	1887.5			
SM	OFDM-CDMA QPSK	1	1	18.43	18.64	18.63	19.5		

n5 (SCS 18 kHz) (Ant2)									
BW	MCS Index	RB Set		Low	Mid	High	Max. Time-up (dB)		
		Channel	Frequency (MHz)						
20M	OFDM-CDMA PUS BPSK	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	20.48	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	20.56	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		283300	287280	288800	Max. Time-up		
		Frequency (MHz)		1851.2	1861.5	1861.5			
		10M	OFDM-CDMA QPSK	1	1	20.58	20.65	20.49	21.5
		Channel		283300	287280	288800	Max. Time-up		
		Frequency (MHz)		1868	1861.5	1861			
		10M	OFDM-CDMA QPSK	1	1	20.47	20.72	20.62	21.5
SW	MCS Index	Channel		283300	287280	288800	Max. Time-up		
		Frequency (MHz)		1861.2	1861.5	1861.5			
SM	OFDM-CDMA QPSK	1	1	20.48	20.79	20.54	21.5		

n7 (SCS 18 kHz) (Ant1)									
BW	MCS Index	RB Set		Low	Mid	High	Max. Time-up (dB)		
		Channel	Frequency (MHz)						
40M	OFDM-CDMA PUS BPSK	1	1	14.90	14.75	14.75	35		
		1	107	14.80	14.92	14.78	35		
		1	214	15.03	14.99	14.80	35		
		100	0	15.04	14.87	14.91	35		
		100	54	14.95	14.91	14.93	35		
		100	108	14.88	14.96	14.89	35		
	OFDM-CDMA QPSK	214	0	14.90	14.78	14.91	35		
		1	1	15.05	14.98	15.04	35		
		1	107	15.02	14.88	14.90	35		
		1	214	14.87	15.02	15.02	35		
		100	0	14.91	15.04	14.88	35		
		100	54	15.03	14.99	14.82	35		
SW	MCS Index	Channel		163000	167080	171080	Max. Time-up		
		Frequency (MHz)		1500.0	1507.5	1507.5			
		10M	OFDM-CDMA QPSK	1	1	15.11	15.01	15.00	35
		Channel		163000	167080	171080	Max. Time-up		
		Frequency (MHz)		1503.5	1505	1505.5			
		10M	OFDM-CDMA QPSK	1	1	14.95	14.91	14.98	35
SW	MCS Index	Channel		163000	167080	171080	Max. Time-up		
		Frequency (MHz)		1503	1505	1505			
SM	OFDM-CDMA QPSK	1	1	15.02	15.05	14.98	35		
10M	OFDM-CDMA PUS BPSK	1	1	15.11	15.01	15.00	35		
		1	107	15.02	14.88	14.90	35		
		1	214	14.87	15.02	15.02	35		
		100	0	14.91	15.04	14.88	35		
		100	54	15.03	14.99	14.82	35		
		100	108	14.83	14.91	15.01	35		
	OFDM-CDMA QPSK	214	0	14.87	14.80	14.85	35		
		1	1	14.82	14.78	14.83	35		
		1	1	14.80	14.87	15.02	35		
		1	1	15.00	15.02	14.83	35		
		Channel		163000	167080	171080	Max. Time-up		
		Frequency (MHz)		1503.5	1505	1505.5			
SW	MCS Index	Channel		163000	167080	171080	Max. Time-up		
		Frequency (MHz)		1503.5	1505	1505.5			
SM	OFDM-CDMA QPSK	1	1	14.98	15.05	15.00	35		

n14 (SCS 15 kHz) (Ant2)									
BW	MCS Index	RB Set		Low	Mid	High	Max. Time-up (dB)		
		Channel	Frequency (MHz)						
10M	OFDM-CDMA PUS BPSK	1	1	25.95			22		
		1	25	25.90			22		
		1	50	26.05			22		
		25	0	26.02			22		
		25	14	26.08			22		
		25	27	26.08			22		
	OFDM-CDMA QPSK	50	0	26.01			22		
		1	1	26.05			22		
		1	25	26.01			22		
		1	50	26.07			22		
		25	0	26.03			22		
		25	14	26.06			22		
SW	MCS Index	Channel		168000	168800	169100	Max. Time-up		
		Frequency (MHz)		1761.2	1761	1761.5			
		10M	OFDM-CDMA QPSK	1	1	25.11	25.07	25.10	22
		Channel		168000	168800	169100	Max. Time-up		
		Frequency (MHz)		1761.2	1761	1761.5			
		10M	OFDM-CDMA QPSK	1	1	25.11	25.07	25.10	22

n25 (SCS 35 kHz) (Ant1)									
BW	MCS Index	RB Set	RB Offset	Low	High	RB Set	RB Offset	Low	High
		Channel	Frequency (MHz)	27080	27090	Channel	Frequency (MHz)	27080	27090
40M	OFDM-CDMA PUS DP5M	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		
	OFDM-CDMA QPUS	100	108	18.54	18.40	18.30	19.5		
		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		
10M	OFDM-CDMA PUS DP5M	100	0	18.42	18.36	18.32	19.5		
		100	54	18.47	18.33	18.54	19.5		
		100	108	18.32	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		
	OFDM-CDMA QPUS	1	1	18.38	18.54	18.48	19.5		
		1	1	18.45	18.55	18.55	19.5		
BW	MCS Index	Channel		27080	27090	28000	Max. Time-up		
30M	OFDM-CDMA QPUS	Frequency (MHz)		188	1882.5	1890			
		1	1	18.50	18.49	18.64	19.5		
BW	MCS Index	Channel		27080	27090	28000	Max. Time-up		
20M	OFDM-CDMA QPUS	Frequency (MHz)		1882.5	1882.5	1892.5			
		1	1	18.58	18.57	18.59	19.5		
BW	MCS Index	Channel		27080	27090	28000	Max. Time-up		
10M	OFDM-CDMA QPUS	Frequency (MHz)		1890	1882.5	1890			
		1	1	18.49	18.49	18.48	19.5		
BW	MCS Index	Channel		27080	27090	28000	Max. Time-up		
10M	OFDM-CDMA QPUS	Frequency (MHz)		1881.5	1882.5	1887.5			
		1	1	18.44	18.51	18.53	19.5		
BW	MCS Index	Channel		27080	27090	28000	Max. Time-up		
10M	OFDM-CDMA QPUS	Frequency (MHz)		1890	1882.5	1890			
		1	1	18.48	18.50	18.66	19.5		
BW	MCS Index	Channel		27080	27090	28000	Max. Time-up		
5M	OFDM-CDMA QPUS	Frequency (MHz)		1882.5	1882.5	1882.5			
		1	1	18.48	18.52	18.66	19.5		

n30 (SCS 15 kHz) (Ant1)									
BW	MCS Index	RB Set	RB Offset	Low	High	RB Set	RB Offset	Low	Max. Time-up
		Channel	Frequency (MHz)	40200	40200	Channel	Frequency (MHz)	40200	
10M	OFDM-CDMA PUS DP5M	1	1	35.91		17			
		1	25	35.90		17			
		1	50	35.92		17			
		25	0	36.02		17			
		25	14	35.80		17			
	OFDM-CDMA QPUS	25	27	35.84		17			
		50	0	35.83		17			
		1	1	35.95		17			
		1	25	36.02		17			
		1	50	35.90		17			
30M	OFDM-CDMA PUS DP5M	25	0	35.77		17			
		25	14	35.80		17			
		25	27	35.76		17			
		50	0	35.81		17			
		1	1	36.02		17			
	OFDM-CDMA QPUS	1	1	36.02		17			
		1	1	35.98		17			
BW		Channel		40100	40200	40200	Max. Time-up		
		Frequency (MHz)		3997.5	3997.5	4000			
30M	OFDM-CDMA QPUS	1	1	35.95	36.00	36.07	17		

n38 (SCS 30 kHz) (Ant1)									
BW	MCS Index	RB Set	RB Offset	Low	High	RB Set	RB Offset	Low	High
		Channel	Frequency (MHz)	51000	51000	Channel	Frequency (MHz)	51000	51000
40M	OFDM-CDMA PUS DP5M	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		
	OFDM-CDMA QPUS	50	56	18.13	18.17	18.10	19		
		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		
10M	OFDM-CDMA PUS DP5M	50	0	18.14	17.96	18.08	19		
		50	28	18.02	18.15	18.03	19		
		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		
	OFDM-CDMA QPUS	1	1	17.93	18.15	18.00	19		
		1	1	18.13	17.98	18.01	19		
BW	MCS Index	Channel		51000	51000	52000	Max. Time-up		
		Frequency (MHz)		5088	5088	5090			
30M	OFDM-CDMA QPUS	1	1	17.97	18.09	18.09	19		
		Channel	Frequency (MHz)	50900	51000	52000	Max. Time-up		
		Frequency (MHz)		5090	5090	5100			
20M	OFDM-CDMA QPUS	1	1	18.03	18.17	18.06	19		

n41 (SCS 30 kHz) (Ant1)									
BW	MCS Index	RB Set	RB Offset	Low	High	RB Set	RB Offset	Low	High
		Channel	Frequency (MHz)	52000	52000	Channel	Frequency (MHz)	52000	52000
100M	OFDM-CDMA PUS DP5M	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		
	OFDM-CDMA QPUS	135	138	18.23	17.98	18.02	19		
		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	17.80	18.02	17.88	19		
30M	OFDM-CDMA PUS DP5M	135	0	18.03	18.11	18.12	19		
		135	69	17.90	18.00	18.17	19		
		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		
	OFDM-CDMA QPUS	1	1	18.12	18.18	18.00	19		
		1	1	18.05	18.04	18.11	19		
BW	MCS Index	Channel		52000	52000	53000	Max. Time-up		
		Frequency (MHz)		5188	5188	5188.88			
30M	OFDM-CDMA QPUS	1	1	18.10	17.95	18.10	19		
		Channel	Frequency (MHz)	51900	52000	53000	Max. Time-up		
30M	OFDM-CDMA QPUS	1	1	18.20	17.99	18.10	19		
		Channel	Frequency (MHz)	51920	52000	53000	Max. Time-up		
60M	OFDM-CDMA QPUS	1	1	18.13	17.98	18.12	19		
		Channel	Frequency (MHz)	51920	52000	53000	Max. Time-up		
30M	MCS Index	Channel		51920	51988	51988	Max. Time-up		
		Frequency (MHz)		5191.52	51988.88	51988.88			
30M	OFDM-CDMA QPUS	1	1	18.11	17.94	18.15	19		
		Channel	Frequency (MHz)	51900	51988	51988	Max. Time-up		
30M	MCS Index	Channel		51920	51988	51988	Max. Time-up		
		Frequency (MHz)		5191.01	51988	51988			
40M	OFDM-CDMA QPUS	1	1	18.08	17.98	18.08	19		
		Channel	Frequency (MHz)	5191.01	51988	51988	Max. Time-up		
30M	MCS Index	Channel		5191	51988	51988	Max. Time-up		
		Frequency (MHz)		5191	51988	51988			
30M	OFDM-CDMA QPUS	1	1	18.23	17.94	18.15	19		
		Channel	Frequency (MHz)	51928	51988	51988	Max. Time-up		
30M	OFDM-CDMA QPUS	1	1	18.06	18.03	18.17	19		
		Channel	Frequency (MHz)	5191.01	51988	51988	Max. Time-up		

n49 (SCS 30 kHz) (AmT)									
BW	MCS Index	Alt Slot	Alt Offset	Low	Mid	High	Max. Time-up (s)		
		Channel	Frequency (MHz)	3200	64000	96000			
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		
		50	50	20.36	20.46	20.43	21		
	OFDM-OFDM QPSK	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		
		50	0	20.42	20.36	20.41	21		
		50	50	20.23	20.28	20.45	21		
20M	OFDM-OFDM QPSK	50	50	20.36	20.25	20.28	21		
		100	0	20.35	20.48	20.49	21		
		1	1	20.45	20.33	20.35	21		
	OFDM-OFDM QPSK	1	1	20.35	20.23	20.23	21		
		1	1	18.77	18.70	18.99	19.5		
BW	MCS Index	Channel	Frequency (MHz)	637324	638000	640000	Max. Time-up		
20M	OFDM-OFDM QPSK	1	1	20.36	20.49	20.44	21		
BW	MCS Index	Channel	Frequency (MHz)	637900	638000	640000	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	20.36	20.20	20.41	21		

n66 (SCS 15 kHz) (AmT)									
BW	MCS Index	Alt Slot	Alt Offset	Low	Mid	High	Max. Time-up (s)		
		Channel	Frequency (MHz)	3200	64000	96000			
40M	OFDM-OFDM PUS-OFDM	1	1	19.03	18.99	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	18.91	18.84	20		
		100	108	18.91	19.13	18.91	20		
	OFDM-OFDM QPSK	210	0	19.04	19.04	19.12	20		
		1	1	19.07	18.36	18.30	20		
		1	107	19.11	19.03	18.91	20		
		1	214	18.98	19.00	19.15	20		
		100	0	18.96	18.95	18.00	20		
		100	54	18.95	19.05	19.02	20		
20M	OFDM-OFDM QPSK	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		
	OFDM-OFDM QPSK	1	1	18.92	18.98	19.00	20		
		1	1	18.57	18.09	18.60	18.5		
BW	MCS Index	Channel	Frequency (MHz)	36300	36800	37300	Max. Time-up		
20M	OFDM-OFDM QPSK	1	1	19.11	19.11	19.05	20		
BW	MCS Index	Channel	Frequency (MHz)	36900	36900	36900	Max. Time-up		
20M	OFDM-OFDM QPSK	1	1	19.10	19.17	19.10	20		
BW	MCS Index	Channel	Frequency (MHz)	36900	36800	36900	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	18.88	19.08	19.18	20		
BW	MCS Index	Channel	Frequency (MHz)	37130	37400	37700	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	19.07	19.04	19.01	20		
BW	MCS Index	Channel	Frequency (MHz)	37610	37400	37710	Max. Time-up		
BW	MCS Index	Channel	Frequency (MHz)	37610	37400	37710	Max. Time-up		

n77 (SCS 30 kHz) (AmT), 3450MHz-3550MHz for FCC									
BW	MCS Index	Alt Slot	Alt Offset	Low	Mid	High	Max. Time-up (s)		
		Channel	Frequency (MHz)	63000	63200	63600			
100M	OFDM-OFDM PUS-OFDM	1	1	17.31		18.5			
		1	137	17.38		18.5			
		1	271	17.43		18.5			
		100	0	17.39		18.5			
		100	60	17.27		18.5			
		100	126	17.23		18.5			
	OFDM-OFDM QPSK	270	0	17.30		18.5			
		1	1	17.46		18.5			
		1	137	17.42		18.5			
		1	271	17.21		18.5			
		100	0	17.34		18.5			
		100	60	17.41		18.5			
20M	OFDM-OFDM QPSK	100	126	17.34		18.5			
		270	0	17.21		18.5			
		1	1	17.30		18.5			
	OFDM-OFDM QPSK	1	1	17.39		18.5			
		1	1	17.39		18.5			
BW	MCS Index	Channel	Frequency (MHz)	63300	63324	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.40	17.37	17.50	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63204	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.40	17.50	17.50	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63600	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.37	17.44	17.44	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63204	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.41	17.47	17.51	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63204	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.52	17.38	17.50	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63204	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.52	17.38	17.49	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63224	63224	63632	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.54	17.38	17.46	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63204	63600	Max. Time-up		
20M	OFDM-OFDM QPSK	1	1	17.44	17.40	17.48	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63204	63600	Max. Time-up		
20M	OFDM-OFDM QPSK	1	1	17.54	17.40	17.41	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63204	63632	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.38	17.45	17.48	18.5		

n77 (SCS 30 kHz) (AmT), 3700MHz-3800MHz for FCC									
BW	MCS Index	Alt Slot	Alt Offset	Low	Mid	High	Max. Time-up (s)		
		Channel	Frequency (MHz)	63000	63200	63600			
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		
		100	0	17.39	17.53	17.42	18.5		
		100	60	17.29	17.38	17.41	18.5		
		100	126	17.23	17.36	17.30	18.5		
	OFDM-OFDM QPSK	270	0	17.52	17.46	17.32	18.5		
		1	1	17.51	17.57	17.46	18.5		
		1	137	17.53	17.46	17.46	18.5		
		1	271	17.50	17.44	17.56	18.5		
		100	0	17.35	17.46	17.32	18.5		
		100	60	17.30	17.50	17.30	18.5		
20M	OFDM-OFDM QPSK	100	126	17.30	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	17.55	17.55	17.43	18.5		
		1	1	17.47	17.32	17.53	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.43	17.45	17.58	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63600	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.46	17.50	17.39	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63600	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.54	17.47	17.53	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.50	17.42	17.49	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63600	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.53	17.57	17.43	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63600	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.49	17.47	17.49	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63600	63632	Max. Time-up		
20M	OFDM-OFDM QPSK	1	1	17.52	17.47	17.48	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63600	63600	Max. Time-up		
20M	OFDM-OFDM QPSK	1	1	17.43	17.49	17.53	18.5		
BW	MCS Index	Channel	Frequency (MHz)	63600	63600	63600	Max. Time-up		
10M	OFDM-OFDM QPSK	1	1	17.47	17.58	17.42	18.5		

n78 (SCS 30 kHz) (Ant7) 3450MHz-3550MHz for FCC									
BW	MCS Index	48 Size		MCS		Max. Rate (Mbps)			
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100M	OFDM-QPSK	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		
	OFDM-QPSK	137	136		17.42		18.5		
		271	0		17.46		18.5		
		1	1		17.40		18.5		
		1	137		17.31		18.5		
		1	271		17.39		18.5		
60M	OFDM-QPSK	135	0		17.20		18.5		
		135	68		17.26		18.5		
		135	136		17.20		18.5		
		270	0		17.35		18.5		
		1	1		17.22		18.5		
	OFDM-QPSK	1	1		17.28		18.5		
		135	0		17.26		18.5		
30M	OFDM-QPSK	1	1		17.43	17.67	17.58		18.5
		1	137		17.43	17.67	17.58		18.5
		1	271		17.43	17.67	17.58		18.5
		137	0		17.52	17.44	17.58		18.5
		137	68		17.52	17.44	17.58		18.5
	OFDM-QPSK	137	136		17.52	17.44	17.58		18.5
		271	0		17.52	17.44	17.58		18.5
		1	1		17.52	17.44	17.58		18.5
15M	OFDM-QPSK	1	1		17.58	17.55	17.46		18.5
		1	137		17.58	17.55	17.46		18.5
		1	271		17.58	17.55	17.46		18.5
		137	0		17.68	17.61	17.58		18.5
		137	68		17.68	17.61	17.58		18.5
	OFDM-QPSK	137	136		17.68	17.61	17.58		18.5
		271	0		17.68	17.61	17.58		18.5
		1	1		17.68	17.61	17.58		18.5
7.5M	OFDM-QPSK	1	1		17.63	17.61	17.53		18.5
		1	137		17.63	17.61	17.53		18.5
		1	271		17.63	17.61	17.53		18.5
		137	0		17.73	17.65	17.53		18.5
		137	68		17.73	17.65	17.53		18.5
	OFDM-QPSK	137	136		17.73	17.65	17.53		18.5
		271	0		17.73	17.65	17.53		18.5
		1	1		17.73	17.65	17.53		18.5
3.75M	OFDM-QPSK	1	1		17.68	17.66	17.58		18.5
		1	137		17.68	17.66	17.58		18.5
		1	271		17.68	17.66	17.58		18.5
		137	0		17.78	17.70	17.58		18.5
		137	68		17.78	17.70	17.58		18.5
	OFDM-QPSK	137	136		17.78	17.70	17.58		18.5
		271	0		17.78	17.70	17.58		18.5
		1	1		17.78	17.70	17.58		18.5
1.875M	OFDM-QPSK	1	1		17.73	17.71	17.63		18.5
		1	137		17.73	17.71	17.63		18.5
		1	271		17.73	17.71	17.63		18.5
		137	0		17.83	17.75	17.63		18.5
		137	68		17.83	17.75	17.63		18.5
	OFDM-QPSK	137	136		17.83	17.75	17.63		18.5
		271	0		17.83	17.75	17.63		18.5
		1	1		17.83	17.75	17.63		18.5
937.5K	OFDM-QPSK	1	1		17.78	17.76	17.68		18.5
		1	137		17.78	17.76	17.68		18.5
		1	271		17.78	17.76	17.68		18.5
		137	0		17.88	17.80	17.68		18.5
		137	68		17.88	17.80	17.68		18.5
	OFDM-QPSK	137	136		17.88	17.80	17.68		18.5
		271	0		17.88	17.80	17.68		18.5
		1	1		17.88	17.80	17.68		18.5
468.75K	OFDM-QPSK	1	1		17.83	17.81	17.73		18.5
		1	137		17.83	17.81	17.73		18.5
		1	271		17.83	17.81	17.73		18.5
		137	0		17.93	17.85	17.73		18.5
		137	68		17.93	17.85	17.73		18.5
	OFDM-QPSK	137	136		17.93	17.85	17.73		18.5
		271	0		17.93	17.85	17.73		18.5
		1	1		17.93	17.85	17.73		18.5
234.375K	OFDM-QPSK	1	1		17.88	17.86	17.78		18.5
		1	137		17.88	17.86	17.78		18.5
		1	271		17.88	17.86	17.78		18.5
		137	0		17.98	17.90	17.78		18.5
		137	68		17.98	17.90	17.78		18.5
	OFDM-QPSK	137	136		17.98	17.90	17.78		18.5
		271	0		17.98	17.90	17.78		18.5
		1	1		17.98	17.90	17.78		18.5
117.1875K	OFDM-QPSK	1	1		17.93	17.91	17.83		18.5
		1	137		17.93	17.91	17.83		18.5
		1	271		17.93	17.91	17.83		18.5
		137	0		18.03	17.95	17.83		18.5
		137	68		18.03	17.95	17.83		18.5
	OFDM-QPSK	137	136		18.03	17.95	17.83		18.5
		271	0		18.03	17.95	17.83		18.5
		1	1		18.03	17.95	17.83		18.5
58.59375K	OFDM-QPSK	1	1		17.98	17.96	17.88		18.5
		1	137		17.98	17.96	17.88		18.5
		1	271		17.98	17.96	17.88		18.5
		137	0		18.08	18.00	17.88		18.5
		137	68		18.08	18.00	17.88		18.5
	OFDM-QPSK	137	136		18.08	18.00	17.88		18.5
		271	0		18.08	18.00	17.88		18.5
		1	1		18.08	18.00	17.88		18.5
29.296875K	OFDM-QPSK	1	1		18.03	18.01	17.93		18.5
		1	137		18.03	18.01	17.93		18.5
		1	271		18.03	18.01	17.93		18.5
		137	0		18.13	18.05	17.93		18.5
		137	68		18.13	18.05	17.93		18.5
	OFDM-QPSK	137	136		18.13	18.05	17.93		18.5
		271	0		18.13	18.05	17.93		18.5
		1	1		18.13	18.05	17.93		18.5
14.6484375K	OFDM-QPSK	1	1		18.08	18.06	17.98		18.5
		1	137		18.08	18.06	17.98		18.5
		1	271		18.08	18.06	17.98		18.5
		137	0		18.18	18.10	17.98		18.5
		137	68		18.18	18.10	17.98		18.5
	OFDM-QPSK	137	136		18.18	18.10	17.98		18.5
		271	0		18.18	18.10	17.98		18.5
		1	1		18.18	18.10	17.98		18.5
7.32421875K	OFDM-QPSK	1	1		18.13	18.11	18.03		18.5
		1	137		18.13	18.11	18.03		18.5
		1	271		18.13	18.11	18.03		18.5
		137	0		18.23	18.15	18.03		18.5
		137	68		18.23	18.15	18.03		18.5
	OFDM-QPSK	137	136		18.23	18.15	18.03		18.5
		271	0		18.23	18.15	18.03		18.5
		1	1		18.23	18.15	18.03		18.5
3.662109375K	OFDM-QPSK	1	1		18.18	18.16	18.08		18.5
		1	137		18.18	18.16	18.08		18.5
		1	271		18.18	18.16	18.08		18.5
		137	0		18.28	18.20	18.08		18.5
		137	68		18.28	18.20	18.08		18.5
	OFDM-QPSK	137	136		18.28	18.20	18.08		18.5
		271	0		18.28	18.20	18.08		18.5
		1	1		18.28	18.20	18.08		18.5
1.8310546875K	OFDM-QPSK	1	1		18.23	18.21	18.13		18.5
		1	137		18.23	18.21	18.13		18.5
		1	271		18.23	18.21	18.13		18.5
		137	0		18.33	18.25	18.13		18.5
		137	68		18.33	18.25	18.13		18.5
	OFDM-QPSK	137	136		18.33	18.25	18.13		18.5
		271	0		18.33	18.25	18.13		18.5
		1	1		18.33	18.25	18.13		18.5
915.52734375K	OFDM-QPSK	1	1		18.28	18.26	18.18		18.5
		1	137		18.28	18.26	18.18		18.5

LTE Band 42 FDD PUSCH (A-G)											
BW	MCS Index	Channel		PUSCH		PUSCH		PUSCH		Spare	Max. Time-up
		Frequency (MHz)	PRB	PRB	PRB	PRB	PRB	PRB			
QPSK	1	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	50	0	0.450	0.450	0.450	0.450	0.450	0.450	1	15.5	1
	25	0	0.450	0.450	0.450	0.450	0.450	0.450	1	15.5	1
	50	0	0.450	0.450	0.450	0.450	0.450	0.450	1	15.5	1
16QAM	1	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	50	0	0.450	0.450	0.450	0.450	0.450	0.450	2	15.5	1
	25	0	0.450	0.450	0.450	0.450	0.450	0.450	2	15.5	1
	50	0	0.450	0.450	0.450	0.450	0.450	0.450	2	15.5	1
64QAM	1	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	50	0	0.450	0.450	0.450	0.450	0.450	0.450	3	15.5	1
	25	0	0.450	0.450	0.450	0.450	0.450	0.450	3	15.5	1
	50	0	0.450	0.450	0.450	0.450	0.450	0.450	3	15.5	1
256QAM	1	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	50	0	0.450	0.450	0.450	0.450	0.450	0.450	5	15.5	1
	25	0	0.450	0.450	0.450	0.450	0.450	0.450	5	15.5	1
	50	0	0.450	0.450	0.450	0.450	0.450	0.450	5	15.5	1
512QAM	1	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	0	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	50	0	0.450	0.450	0.450	0.450	0.450	0.450	10	15.5	1
	25	0	0.450	0.450	0.450	0.450	0.450	0.450	10	15.5	1
	50	0	0.450	0.450	0.450	0.450	0.450	0.450	10	15.5	1
BW	Channel		PUSCH		PUSCH		PUSCH		Spare	Max. Time-up	
	Frequency (MHz)	PRB	PRB	PRB	PRB	PRB	PRB				
QPSK	1	37	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
16QAM	1	37	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
64QAM	1	37	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
256QAM	1	37	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
512QAM	1	37	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
BW	Channel		PUSCH		PUSCH		PUSCH		Spare	Max. Time-up	
	Frequency (MHz)	PRB	PRB	PRB	PRB	PRB	PRB				
QPSK	1	39	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
16QAM	1	39	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
64QAM	1	39	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
256QAM	1	39	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
512QAM	1	39	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
BW	Channel		PUSCH		PUSCH		PUSCH		Spare	Max. Time-up	
	Frequency (MHz)	PRB	PRB	PRB	PRB	PRB	PRB				
QPSK	1	41	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
16QAM	1	41	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
64QAM	1	41	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
256QAM	1	41	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
512QAM	1	41	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	2	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1
	3	1	0.450	0.450	0.450	0.450	0.450	0.450	0	15.5	1

[illegible]

n2 (SCS 15 kHz) (Anz)									
BW	MCS Index	RB Set	RB Offset	RB Set	RB Offset	RB Set	RB Offset	Max. Time-Int.	Max. Time-Int.
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	(s)	(s)
20M	OFDM-OFDM PUSCH	1	2	14.94	15.04	14.92	15		
		1	10	14.96	14.96	14.96	16		
		1	104	14.96	14.96	14.96	16		
		50	0	14.92	14.97	14.91	16		
		50	38	14.92	14.98	15.02	16		
		50	50	14.95	14.97	14.92	16		
	OFDM-OFDM PUSCH	100	0	15.00	14.91	14.95	16		
		1	1	14.97	15.05	14.97	16		
		1	10	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	38	14.97	14.91	14.89	16		
15M	OFDM-OFDM PUSCH	50	50	14.97	15.02	15.01	16		
		100	0	14.98	14.99	14.92	16		
		OFDM-OFDM PUSCH	1	1	14.97	14.97	15.04	16	
		OFDM-OFDM PUSCH	1	1	14.98	14.98	15.02	16	
		OFDM-OFDM PUSCH	1	1	14.98	14.92	14.84	16	
		Channel	27180	27630	38360	Max. Time-Int.			
10M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	16	
		Channel	27180	27630	38360	Max. Time-Int.			
5M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	16	
		Channel	27180	27630	38360	Max. Time-Int.			

n25 (SCS 15 kHz) (Anz)									
BW	MCS Index	RB Set	RB Offset	RB Set	RB Offset	RB Set	RB Offset	Max. Time-Int.	Max. Time-Int.
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	(s)	(s)
40M	OFDM-OFDM PUSCH	1	1	14.89	14.96	14.90	16		
		1	107	14.96	14.92	14.95	16		
		1	214	14.96	14.93	14.93	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		
	OFDM-OFDM PUSCH	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	14.96	14.96	14.92	16		
		100	0	14.87	14.94	14.84	16		
		100	54	14.82	14.85	14.89	16		
30M	OFDM-OFDM PUSCH	100	108	14.84	14.91	14.81	16		
		214	0	14.90	14.89	14.90	16		
		OFDM-OFDM PUSCH	1	1	14.84	14.87	14.86	16	
		OFDM-OFDM PUSCH	1	1	14.84	14.82	14.85	16	
		OFDM-OFDM PUSCH	1	1	14.83	14.82	14.88	16	
		Channel	27180	27630	38360	Max. Time-Int.			
20M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.84	14.90	14.74	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.84	14.90	14.74	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.84	14.90	14.74	16	
		Channel	27180	27630	38360	Max. Time-Int.			
15M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.89	14.98	14.74	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.89	14.98	14.74	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.89	14.98	14.74	16	
		Channel	27180	27630	38360	Max. Time-Int.			
10M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.84	14.90	14.73	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.84	14.90	14.73	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.84	14.90	14.73	16	
		Channel	27180	27630	38360	Max. Time-Int.			

n48 (SCS 30 kHz) (Anz)									
BW	MCS Index	RB Set	RB Offset	RB Set	RB Offset	RB Set	RB Offset	Max. Time-Int.	Max. Time-Int.
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	(s)	(s)
40M	OFDM-OFDM PUSCH	1	1	17.65	17.64	17.69	16		
		1	32	17.72	17.67	17.69	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	17.69	16		
		50	50	17.69	17.66	17.68	16		
	OFDM-OFDM PUSCH	100	0	17.72	17.71	17.61	16		
		1	1	17.73	17.73	17.76	16		
		1	32	17.63	17.66	17.76	16		
		1	104	17.72	17.68	17.60	16		
		50	0	17.66	17.74	17.62	16		
		50	38	17.75	17.70	17.70	16		
30M	OFDM-OFDM PUSCH	50	50	17.69	17.74	17.76	16		
		100	0	17.68	17.70	17.77	16		
		OFDM-OFDM PUSCH	1	1	17.72	17.76	17.76	16	
		OFDM-OFDM PUSCH	1	1	17.63	17.73	17.69	16	
		OFDM-OFDM PUSCH	1	1	17.73	17.61	17.70	16	
		Channel	27180	27630	38360	Max. Time-Int.			
20M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	17.65	17.73	17.67	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	17.65	17.73	17.67	16	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	17.65	17.73	17.67	16	
		Channel	27180	27630	38360	Max. Time-Int.			

n66 (SCS 15 kHz) (Anz)									
BW	MCS Index	RB Set	RB Offset	RB Set	RB Offset	RB Set	RB Offset	Max. Time-Int.	Max. Time-Int.
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	(s)	(s)
40M	OFDM-OFDM PUSCH	1	1	14.85	14.85	14.18	15		
		1	107	14.84	14.83	14.86	15		
		1	214	14.83	14.83	14.83	15		
		100	0	14.83	14.83	14.83	15		
		100	54	14.83	14.89	14.80	15		
		100	108	14.83	14.89	14.80	15		
	OFDM-OFDM PUSCH	214	0	14.87	14.87	14.89	15		
		1	1	14.87	14.83	14.18	15		
		1	107	14.88	14.87	14.14	15		
		1	214	14.81	14.13	14.18	15		
		100	0	14.86	14.13	14.02	15		
		100	54	14.84	14.27	14.06	15		
30M	OFDM-OFDM PUSCH	100	108	14.83	14.14	14.04	15		
		214	0	14.86	14.18	14.04	15		
		OFDM-OFDM PUSCH	1	1	14.84	14.17	14.03	15	
		OFDM-OFDM PUSCH	1	1	14.12	14.08	14.04	15	
		OFDM-OFDM PUSCH	1	1	14.10	14.08	13.99	15	
		Channel	38880	38880	38880	Max. Time-Int.			
20M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.10	14.18	14.10	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.10	14.18	14.10	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.10	14.18	14.10	15	
		Channel	38880	38880	38880	Max. Time-Int.			
15M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	13.99	14.13	14.11	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	13.99	14.13	14.11	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	13.99	14.13	14.11	15	
		Channel	38880	38880	38880	Max. Time-Int.			
10M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	13.98	14.10	14.17	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	13.98	14.10	14.17	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	13.98	14.10	14.17	15	
		Channel	38880	38880	38880	Max. Time-Int.			

n77 (SCS 30 kHz) (Ann4) 3450MHz-3550MHz for FCC										
BW	MCS Index	RB Set		RB Offset	Min. Channel Frequency (MHz)		Max. Channel Frequency (MHz)		Max. Turn-up (dBm)	
		Channel	Channel		63000	63000				
100MHz	DTT-a-CDSM Full BPSK	1	1	1	15.85	15.85	16.5	16.5		
		1	1	137	15.85	15.85	16.5	16.5		
		1	1	271	15.85	15.85	16.5	16.5		
		125	0	0	15.84	15.84	16.5	16.5		
		125	65	65	15.85	15.85	16.5	16.5		
		125	129	129	15.86	15.86	16.5	16.5		
		270	0	0	15.50	15.50	16.5	16.5		
		1	1	1	15.88	15.88	16.5	16.5		
	DTT-a-CDSM QPSK	1	1	137	15.90	15.90	16.5	16.5		
		1	1	271	15.58	15.58	16.5	16.5		
		125	0	0	15.58	15.58	16.5	16.5		
		125	65	65	15.85	15.85	16.5	16.5		
		125	129	129	15.82	15.82	16.5	16.5		
		270	0	0	15.50	15.50	16.5	16.5		
		DTT-a-CDSM BPSK	1	1	1	15.84	15.84	16.5	16.5	
		DTT-a-CDSM QPSK	1	1	1	15.85	15.85	16.5	16.5	
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	-0.10	15.78	-0.10	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel								

n77 (SCS 30 kHz) (Ann4) 3700MHz-3800MHz for FCC										
BW	MCS Index	RB Set	RB Offset	Min. Channel Frequency (MHz)	Max. Channel Frequency (MHz)	Min. Subcarrier Frequency (MHz)	Max. Subcarrier Frequency (MHz)	Max. Turn-up (dBm)		
		Channel	Channel							
100MHz	DTT-a-CDSM Full BPSK	1	1	15.06	16.01	15.08	16.5			
		1	137	16.00	16.01	16.15	16.5			
		1	271	16.07	16.09	16.10	16.5			
		125	0	15.08	15.10	15.15	16.5			
		125	65	16.05	16.07	16.10	16.5			
		125	129	15.10	16.14	16.14	16.5			
		270	0	15.13	15.99	16.00	16.5			
		1	1	16.04	16.15	16.18	16.5			
	DTT-a-CDSM QPSK	1	137	16.14	16.11	16.00	16.5			
		1	271	15.97	16.04	15.98	16.5			
		125	0	16.06	16.06	15.99	16.5			
		125	65	15.99	15.97	16.15	16.5			
		125	129	16.02	16.10	16.04	16.5			
		270	0	15.12	15.99	16.15	16.5			
		DTT-a-CDSM BPSK	1	1	16.12	16.14	16.08	16.5		
		DTT-a-CDSM QPSK	1	1	16.07	16.13	16.05	16.5		
BW	MCS Index	Channel	Channel	64000	64000	64000	64000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.01	16.22	16.22	16.5			
BW	MCS Index	Channel	Channel	64000	64000	64000	64000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.84	15.10	15.22	16.5			
BW	MCS Index	Channel	Channel	64000	64000	64000	64000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.03	15.08	15.10	16.5			
BW	MCS Index	Channel	Channel	64000	64000	64000	64000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.07	15.01	15.10	16.5			
BW	MCS Index	Channel	Channel	64000	64000	64000	64000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.09	15.17	15.21	16.5			
BW	MCS Index	Channel	Channel	64000	64000	64000	64000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.08	15.12	15.14	16.5			
BW	MCS Index	Channel	Channel	64000	64000	64000	64000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.08	15.12	15.10	16.5			
BW	MCS Index	Channel	Channel	64000	64000	64000	64000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.08	15.10	15.26	16.5			
BW	MCS Index	Channel	Channel	64000	64000	64000	64000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.08	15.12	15.14	16.5			
BW	MCS Index	Channel	Channel	64000	64000	64000	64000	Max. Turn-up		
60MHz	DTT-a-CDSM QPSK	1	1	15.08	15.12	15.14	16.5			

n78 (SCS 30 kHz) (Ann4) 3450MHz-3550MHz for FCC										
BW	MCS Index	RB Set	RB Offset	Min. Channel Frequency (MHz)	Max. Channel Frequency (MHz)	Min. Subcarrier Frequency (MHz)	Max. Subcarrier Frequency (MHz)	Max. Turn-up (dBm)		
		Channel	Channel							
100M	DTT-a-CDSM Full BPSK	1	1	15.85	16.5	15.85	16.5			
		1	137	15.71	16.5	15.71	16.5			
		1	271	15.61	16.5	15.61	16.5			
		125	0	15.60	16.5	15.60	16.5			
		125	65	15.64	16.5	15.64	16.5			
		125	129	15.57	16.5	15.57	16.5			
		270	0	15.57	16.5	15.57	16.5			
		1	1	15.72	16.5	15.72	16.5			
	DTT-a-CDSM QPSK	1	137	15.57	16.5	15.57	16.5			
		1	271	15.61	16.5	15.61	16.5			
		125	0	15.55	16.5	15.55	16.5			
		125	65	15.71	16.5	15.71	16.5			
		125	129	15.59	16.5	15.59	16.5			
		270	0	15.55	16.5	15.55	16.5			
		DTT-a-CDSM BPSK	1	1	15.65	16.5	15.65	16.5		
		DTT-a-CDSM QPSK	1	1	15.67	16.5	15.67	16.5		
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	-0.10	15.70	-0.03	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			
BW	MCS Index	Channel	Channel	63000	63000	63000	63000	Max. Turn-up		
60M	DTT-a-CDSM QPSK	1	1	15.80	16.5	15.80	16.5			

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		Tune up limit (dBm)
					RB Size	RB offset	RB Size	RB offset	
20450	829	20549	838.9	QPSK	1	49	1	0	20.56
				16QAM	1	49	1	0	20.43
				64QAM	1	49	1	0	20.54
				256QAM	1	49	1	0	17.90
				QPSK	1	49	1	0	20.53
20476	831.6	20575	841.5	16QAM	1	49	1	0	20.31
				64QAM	1	49	1	0	20.48
				256QAM	1	49	1	0	17.90
				QPSK	1	49	1	0	20.52
				16QAM	1	49	1	0	20.34
20501	834.1	20600	844	64QAM	1	49	1	0	20.49
				256QAM	1	49	1	0	17.83

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	
20850	2510	21048	2529.8	QPSK	1	99	1	0	15.01
				16QAM	1	99	1	0	14.89
				64QAM	1	99	1	0	14.98
				256QAM	1	99	1	0	14.77
				QPSK	1	99	1	0	15.04
21001	2525.1	21199	2544.9	16QAM	1	99	1	0	14.87
				64QAM	1	99	1	0	15.03
				256QAM	1	99	1	0	14.83
				QPSK	1	99	1	0	15.05
				16QAM	1	99	1	0	15.00
21152	2540.2	21350	2560	64QAM	1	99	1	0	15.03
				256QAM	1	99	1	0	14.74

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	
37850	2580	38048	2599.8	QPSK	1	99	1	0	15.76
				16QAM	1	99	1	0	15.66
				64QAM	1	99	1	0	15.51
				256QAM	1	99	1	0	15.82
				QPSK	1	99	1	0	15.91
37901	2585.1	38099	2604.9	16QAM	1	99	1	0	15.67
				64QAM	1	99	1	0	15.63
				256QAM	1	99	1	0	15.80
				QPSK	1	99	1	0	15.83
				16QAM	1	99	1	0	15.68
37952	2590.2	38150	2610	64QAM	1	99	1	0	15.56
				256QAM	1	99	1	0	15.81

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	
39750	2506	39948	2525.8	QPSK	1	99	1	0	16.11
				16QAM	1	99	1	0	16.09
				64QAM	1	99	1	0	15.89
				256QAM	1	99	1	0	16.00
				QPSK	1	99	1	0	16.17
40521	2583.1	40719	2602.9	16QAM	1	99	1	0	15.96
				64QAM	1	99	1	0	16.04
				256QAM	1	99	1	0	16.16
				QPSK	1	99	1	0	16.23
				16QAM	1	99	1	0	16.19
41292	2660.2	41490	2680	64QAM	1	99	1	0	16.06
				256QAM	1	99	1	0	16.21

CA 42C Part27Q (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	
42190	3460	42388	3479.8	QPSK	1	99	1	0	18.50
				16QAM	1	99	1	0	18.31
				64QAM	1	99	1	0	18.45
				256QAM	1	99	1	0	17.95
				QPSK	1	99	1	0	18.51
42491	3490.1	42689	3509.9	16QAM	1	99	1	0	18.30
				64QAM	1	99	1	0	18.48
				256QAM	1	99	1	0	18.03
				QPSK	1	99	1	0	18.53
				16QAM	1	99	1	0	18.45
42792	3520.2	42990	3540	64QAM	1	99	1	0	18.27
				256QAM	1	99	1	0	18.02

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
				16QAM	1	99	1	0	18.47
				64QAM	1	99	1	0	18.47
				256QAM	1	99	1	0	18.09
				QPSK	1	99	1	0	18.57
55891	3615.1	56089	3634.9	16QAM	1	99	1	0	18.45
				64QAM	1	99	1	0	18.42
				256QAM	1	99	1	0	18.01
				QPSK	1	99	1	0	18.74
				16QAM	1	99	1	0	18.54
56442	3670.2	56640	3690	64QAM	1	99	1	0	18.50
				256QAM	1	99	1	0	18.15

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
				16QAM	1	49	1	0	19.01
				64QAM	1	49	1	0	18.87
				256QAM	1	49	1	0	18.02
				QPSK	1	49	1	0	18.97
132373	1750.1	132472	1760	16QAM	1	49	1	0	18.93
				64QAM	1	49	1	0	18.92
				256QAM	1	49	1	0	18.10
				QPSK	1	49	1	0	18.96
				16QAM	1	49	1	0	18.91
132523	1765.1	132622	1775	64QAM	1	49	1	0	18.84
				256QAM	1	49	1	0	18.07

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	18.08	19.0
				QPSK	1	99	1	0	19.04	20.0
				16QAM	1	99	1	0	18.96	20.0
132374	1750.2	132572	1770	64QAM	1	99	1	0	18.81	20.0
				256QAM	1	99	1	0	18.11	19.0

WLAN/BT

[illegible]