

Full Power

[illegible][illegible]

LTE Band 5 (TDD)										
Cell	Modulation	Cell ID	Frequency (MHz)	Bandwidth (MHz)	Power (dBm)	QoS	QoS	QoS	QoS	QoS
			Frequency (MHz)	Bandwidth (MHz)	Power (dBm)	QoS	QoS	QoS	QoS	QoS
LTE	QPSK	1	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		2	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		3	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		4	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
	QPSK	5	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		6	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		7	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		8	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
	QPSK	9	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		10	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		11	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		12	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
LTE	QPSK	13	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		14	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		15	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		16	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
	QPSK	17	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		18	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		19	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		20	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
	QPSK	21	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		22	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		23	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		24	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
LTE	QPSK	25	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		26	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		27	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		28	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
	QPSK	29	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		30	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		31	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		32	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
	QPSK	33	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		34	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		35	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		36	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
LTE	QPSK	37	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		38	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		39	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		40	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
	QPSK	41	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		42	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		43	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		44	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
	QPSK	45	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		46	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		47	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00
		48	1875.00	18.75	23.00	23.00	23.00	23.00	23.00	23.00

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L75 (Base Case)									
ID	Parameter	Min Value	Max Value	Unit	Min Value	Max Value	Unit	Min Value	Max Value
		Parameter (g/g)	Unit	Min Value	Max Value	Unit	Parameter (g/g)	Unit	Parameter (g/g)
Glycol	1	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	2	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	3	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	4	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	5	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
Glycol	6	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	7	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	8	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	9	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	10	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
Glycol	11	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	12	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	13	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	14	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	15	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
Glycol	16	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	17	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	18	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	19	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	20	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
Glycol	21	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	22	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	23	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	24	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	25	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
Glycol	26	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	27	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	28	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	29	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	30	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
Glycol	31	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	32	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	33	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	34	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	35	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
Glycol	36	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	37	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	38	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	39	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	40	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
Glycol	41	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	42	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	43	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
L75	44	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	45	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	46	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	47	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	48	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	49	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	50	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	51	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	52	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	53	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
Glycol	54	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	55	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	56	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	57	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23
	58	0.14	0.23	g/g	0.14	0.23	g/g	0.14	0.23

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Site	Accession	LTC Band 14 (Acres)						Type (LTS)	Area (sq ft)
		Net Area	Net Area	Area		Area	Area		
		Proposed (sq ft)	Actual (sq ft)	Proposed (sq ft)	Actual (sq ft)				
Cymru	1	1	1	1	1	1	1	1	
	2	1	1	1	1	1	1	1	
	3	1	1	1	1	1	1	1	
	4	1	1	1	1	1	1	1	
	5	1	1	1	1	1	1	1	
Dorset	6	1	1	1	1	1	1	1	
	7	1	1	1	1	1	1	1	
	8	1	1	1	1	1	1	1	
	9	1	1	1	1	1	1	1	
	10	1	1	1	1	1	1	1	
Dorset	11	1	1	1	1	1	1	1	
	12	1	1	1	1	1	1	1	
	13	1	1	1	1	1	1	1	
	14	1	1	1	1	1	1	1	
	15	1	1	1	1	1	1	1	
Dorset	16	1	1	1	1	1	1	1	
	17	1	1	1	1	1	1	1	
	18	1	1	1	1	1	1	1	
	19	1	1	1	1	1	1	1	
	20	1	1	1	1	1	1	1	
Dorset	21	1	1	1	1	1	1	1	
	22	1	1	1	1	1	1	1	
	23	1	1	1	1	1	1	1	
	24	1	1	1	1	1	1	1	
	25	1	1	1	1	1	1	1	
Dorset	26	1	1	1	1	1	1	1	
	27	1	1	1	1	1	1	1	
	28	1	1	1	1	1	1	1	
	29	1	1	1	1	1	1	1	
	30	1	1	1	1	1	1	1	
Dorset	31	1	1	1	1	1	1	1	
	32	1	1	1	1	1	1	1	
	33	1	1	1	1	1	1	1	
	34	1	1	1	1	1	1	1	
	35	1	1	1	1	1	1	1	
Dorset	36	1	1	1	1	1	1	1	
	37	1	1	1	1	1	1	1	
	38	1	1	1	1	1	1	1	
	39	1	1	1	1	1	1	1	
	40	1	1	1	1	1	1	1	
Dorset	41	1	1	1	1	1	1	1	
	42	1	1	1	1	1	1	1	
	43	1	1	1	1	1	1	1	
	44	1	1	1	1	1	1	1	
	45	1	1	1	1	1	1	1	
Dorset	46	1	1	1	1	1	1	1	
	47	1	1	1	1	1	1	1	
	48	1	1	1	1	1	1	1	
	49	1	1	1	1	1	1	1	
	50	1	1	1	1	1	1	1	
Dorset	51	1	1	1	1	1	1	1	
	52	1	1	1	1	1	1	1	
	53	1	1	1	1	1	1	1	
	54	1	1	1	1	1	1	1	
	55	1	1	1	1	1	1	1	
Dorset	56	1	1	1	1	1	1	1	
	57	1	1	1	1	1	1	1	
	58	1	1	1	1	1	1	1	
	59	1	1	1	1	1	1	1	
	60	1	1	1	1	1	1	1	
Dorset	61	1	1	1	1	1	1	1	
	62	1	1	1	1	1	1	1	
	63	1	1	1	1	1	1	1	
	64	1	1	1	1	1	1	1	
	65	1	1	1	1	1	1	1	
Dorset	66	1	1	1	1	1	1	1	
	67	1	1	1	1	1	1	1	
	68	1	1	1	1	1	1	1	
	69	1	1	1	1	1	1	1	
	70	1	1	1	1	1	1	1	

Year	Region	LTC Based (24 hours)						
		Min size	Max size	Lower	Mid	Upper	Upper	Ratio
		Percentage (min)	Percentage (max)	Ratio	Ratio	Ratio	Ratio	Ratio
2016	EUROPE	1	2.4	0.0000	0.0000	0.1712	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
		25	25	0.1712	0.1712	0.0000	0	0.00
	EUROPE	1	0	0.0000	0.1712	0.0000	0	0.00
		1	498	0.0000	0.0000	0.0000	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
		25	1.2	0.0000	0.0000	0.0000	0	0.00
	EUROPE	1	1	0.0000	0.0000	0.0000	0	0.00
		1	298	0.0000	0.0000	0.0000	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
		25	25	0.0000	0.0000	0.0000	0	0.00
2017	EUROPE	1	25	0.0000	0.0000	0.0000	0	0.00
		25	25	0.0000	0.0000	0.0000	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
	EUROPE	1	1	0.0000	0.0000	0.0000	0	0.00
		1	298	0.0000	0.0000	0.0000	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
		25	25	0.0000	0.0000	0.0000	0	0.00
2018	EUROPE	1	1	0.0000	0.0000	0.0000	0	0.00
		1	298	0.0000	0.0000	0.0000	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
		25	25	0.0000	0.0000	0.0000	0	0.00
	EUROPE	1	1	0.0000	0.0000	0.0000	0	0.00
		1	298	0.0000	0.0000	0.0000	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
		25	25	0.0000	0.0000	0.0000	0	0.00
2019	EUROPE	1	1	0.0000	0.0000	0.0000	0	0.00
		1	298	0.0000	0.0000	0.0000	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
		25	25	0.0000	0.0000	0.0000	0	0.00
	EUROPE	1	1	0.0000	0.0000	0.0000	0	0.00
		1	298	0.0000	0.0000	0.0000	0	0.00
		25	1	0.0000	0.0000	0.0000	0	0.00
		25	25	0.0000	0.0000	0.0000	0	0.00

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ID	Material	5% Random (20000)									
		Min Size	Max Size	Min	Max	Min	Max	Min	Max	Min	Max
		Frequency (gms)	Frequency (gms)	Frequency (gms)	Frequency (gms)	Frequency (gms)	Frequency (gms)	Frequency (gms)	Frequency (gms)	Frequency (gms)	Frequency (gms)
001	Longest	1	1	1	1	1	1	1	1	1	1
		2	2	2	2	2	2	2	2	2	2
		3	3	3	3	3	3	3	3	3	3
		4	4	4	4	4	4	4	4	4	4
	Longest	5	5	5	5	5	5	5	5	5	5
		6	6	6	6	6	6	6	6	6	6
		7	7	7	7	7	7	7	7	7	7
		8	8	8	8	8	8	8	8	8	8
	Longest	9	9	9	9	9	9	9	9	9	9
		10	10	10	10	10	10	10	10	10	10
		11	11	11	11	11	11	11	11	11	11
		12	12	12	12	12	12	12	12	12	12
002	Longest	13	13	13	13	13	13	13	13	13	13
		14	14	14	14	14	14	14	14	14	14
		15	15	15	15	15	15	15	15	15	15
		16	16	16	16	16	16	16	16	16	16
	Longest	17	17	17	17	17	17	17	17	17	17
		18	18	18	18	18	18	18	18	18	18
		19	19	19	19	19	19	19	19	19	19
		20	20	20	20	20	20	20	20	20	20
	Longest	21	21	21	21	21	21	21	21	21	21
		22	22	22	22	22	22	22	22	22	22
		23	23	23	23	23	23	23	23	23	23
		24	24	24	24	24	24	24	24	24	24
003	Longest	25	25	25	25	25	25	25	25	25	25
		26	26	26	26	26	26	26	26	26	26
		27	27	27	27	27	27	27	27	27	27
		28	28	28	28	28	28	28	28	28	28
	Longest	29	29	29	29	29	29	29	29	29	29
		30	30	30	30	30	30	30	30	30	30
		31	31	31	31	31	31	31	31	31	31
		32	32	32	32	32	32	32	32	32	32
	Longest	33	33	33	33	33	33	33	33	33	33
		34	34	34	34	34	34	34	34	34	34
		35	35	35	35	35	35	35	35	35	35
		36	36	36	36	36	36	36	36	36	36
004	Longest	37	37	37	37	37	37	37	37	37	37
		38	38	38	38	38	38	38	38	38	38
		39	39	39	39	39	39	39	39	39	39
		40	40	40	40	40	40	40	40	40	40
	Longest	41	41	41	41	41	41	41	41	41	41
		42	42	42	42	42	42	42	42	42	42

Site	Measurement	1.5% Band 20 (MHz)				Spectrum span (MHz)	Spectrum span (km)
		Min Frequency (MHz)	Max Frequency (MHz)	Min Power (dBm)	Max Power (dBm)		
UMTS	UMTS	1	1,245	1,255	1	1,250	1
	UMTS	2	1,260	1,270	1	1,265	1
	UMTS	3	1,285	1,295	1	1,290	1
	UMTS	4	1,310	1,320	1	1,315	1
	UMTS	5	1,335	1,345	1	1,340	1
	UMTS	6	1,360	1,370	1	1,365	1
	UMTS	7	1,385	1,395	1	1,390	1
	UMTS	8	1,410	1,420	1	1,415	1
	UMTS	9	1,435	1,445	1	1,440	1
	UMTS	10	1,460	1,470	1	1,465	1
GSM	GSM	1	890	910	1	900	1
	GSM	2	930	960	1	945	1
	GSM	3	1,210	1,230	1	1,220	1
	GSM	4	1,250	1,270	1	1,260	1
	GSM	5	1,290	1,310	1	1,300	1
	GSM	6	1,330	1,350	1	1,340	1
	GSM	7	1,370	1,390	1	1,380	1
	GSM	8	1,410	1,430	1	1,420	1
	GSM	9	1,450	1,470	1	1,460	1
	GSM	10	1,490	1,510	1	1,500	1
CDMA	CDMA	1	2,110	2,120	1	2,115	1
	CDMA	2	2,130	2,140	1	2,135	1
	CDMA	3	2,150	2,160	1	2,155	1
	CDMA	4	2,170	2,180	1	2,175	1
	CDMA	5	2,190	2,200	1	2,195	1
	CDMA	6	2,210	2,220	1	2,215	1
	CDMA	7	2,230	2,240	1	2,235	1
	CDMA	8	2,250	2,260	1	2,255	1
	CDMA	9	2,270	2,280	1	2,275	1
	CDMA	10	2,290	2,300	1	2,295	1
LTE	LTE	1	7,260	7,270	1	7,265	1
	LTE	2	7,280	7,290	1	7,285	1
	LTE	3	7,300	7,310	1	7,305	1
	LTE	4	7,320	7,330	1	7,325	1
	LTE	5	7,340	7,350	1	7,345	1
	LTE	6	7,360	7,370	1	7,365	1
	LTE	7	7,380	7,390	1	7,385	1
	LTE	8	7,400	7,410	1	7,405	1
	LTE	9	7,420	7,430	1	7,425	1
	LTE	10	7,440	7,450	1	7,445	1

ID	Region	L50 (Beds 200+)									
		Site no.	Site Name	Year	Area	Height	Capacity	Open	Year	Year	Year
1	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
2	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
3	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
4	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
5	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
6	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
7	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
8	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
9	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
10	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
11	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
12	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
13	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
14	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000	20,000	22,000	20	20	20	20	20
		4	7	10,000	10,000	11,000	10	10	10	10	10
		5	20	20,000	20,000	22,000	20	20	20	20	20
		6	20	20,000	20,000	22,000	20	20	20	20	20
		7	7	10,000	10,000	11,000	10	10	10	10	10
		8	20	20,000	20,000	22,000	20	20	20	20	20
		9	20	20,000	20,000	22,000	20	20	20	20	20
		10	20	20,000	20,000	22,000	20	20	20	20	20
15	QPR	1	100	20,000	20,000	22,000	20	20	20	20	20
		2	100	20,000	20,000	22,000	20	20	20	20	20
		3	100	20,000							

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	22.48	22.51	22.43	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		
5M	OFDM-CDMA QPSK	100	0	22.00	22.04	21.94	23		
		1	1	21.82	21.97	21.91	23		
		1	1	20.51	20.56	20.48	21.5		
		1	1	18.55	18.60	18.48	19.5		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
15M	OFDM-CDMA QPSK	1	1	22.87	23.07	22.91	24		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
10M	OFDM-CDMA QPSK	1	1	22.87	23.07	22.92	24		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
5M	OFDM-CDMA QPSK	1	1	22.86	23.06	22.91	24		

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	22.85	22.87	24		
		50	0	22.85	22.86	22.85	23.5		
		50	28	23.10	23.13	23.13	24		
		50	56	22.81	22.82	22.86	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	22.16	22.05	23		
		50	28	23.08	23.13	23.03	24		
		50	56	21.89	21.98	21.87	23		
5M	OFDM-CDMA QPSK	100	0	22.10	22.15	22.07	23		
		1	1	21.80	21.81	21.79	23		
		1	1	20.40	20.39	20.29	21.5		
		1	1	18.57	18.60	18.54	19.5		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
15M	OFDM-CDMA QPSK	1	1	23.03	23.13	23.00	24		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
10M	OFDM-CDMA QPSK	1	1	22.96	23.12	23.06	24		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
5M	OFDM-CDMA QPSK	1	1	23.03	23.10	23.13	24		

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	22.36	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		
5M	OFDM-CDMA QPSK	100	108	22.03	21.97	21.98	23		
		214	0	22.03	21.97	21.98	23		
		1	1	21.78	21.71	21.66	23		
		1	1	20.37	20.32	20.29	21.5		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
15M	OFDM-CDMA QPSK	1	1	22.96	22.94	22.94	24		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
10M	OFDM-CDMA QPSK	1	1	22.95	22.92	22.91	24		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
5M	OFDM-CDMA QPSK	1	1	22.95	22.92	22.91	24		

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	32	22.82	22.86	22.79	24		
		38	43	22.30	22.28	22.23	23.5		
	OFDM-CDMA QPSK	75	0	22.90	22.30	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	32	22.80	22.82	22.77	24		
5M	OFDM-CDMA QPSK	38	43	21.79	21.74	21.68	23		
		75	0	21.98	21.87	21.83	23		
		1	1	22.11	22.05	21.97	23		
		1	1	20.38	20.28	20.28	21.5		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
15M	OFDM-CDMA QPSK	1	1	22.95	22.87	22.83	24		
BW	MCS Index	Channel		Frequency (MHz)	RB Set	RB Set	Max. Time-up (ms)		
5M	OFDM-CDMA QPSK	1	1	22.92	22.89	22.81	24		

n14 (SCS 15 kHz) (Ant2)							
BW	MCS Index	RB Set	RB Offset	Low	HM	High	Max. Tx Power (dBm)
		Channel Frequency (MHz)	Channel Index	Low	HM	High	
10M	OFDM-OFDM 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
	OFDM-OFDM QPSK	25	27		22.95		23.5
		50	0		22.95		23.5
		1	1		22.95		24
		1	25		22.95		24
		1	50		22.95		24
15M	OFDM-OFDM QPSK	25	0		22.95		23
		25	14		22.95		24
		25	27		21.80		23
		50	0		21.91		23
		1	1		22.95		23
SW	MCS Index	Channel		18000	18000	18000	Max. Tx Power (dBm)
		Frequency (MHz)		780.0	780	780.5	
SW	OFDM-OFDM QPSK	1	1	22.83	22.85	22.91	24

n25 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Set	RB Offset	Low	HM	High	Max. Tx Power (dBm)
		Channel	Channel	Low	HM	High	
10M	OFDM-OFDM PUSC	Frequency (MHz)		1880	1880.5	1880	
		1	1	22.70	22.75	22.82	24
		1	107	22.84	22.88	22.84	24
		1	214	22.76	22.77	22.82	24
		100	0	22.33	22.40	22.40	23.5
	OFDM-OFDM QPSK	100	54	22.76	22.79	22.88	24
		100	108	22.41	22.45	22.49	23.5
		216	0	22.39	22.39	23.39	23.5
		1	1	22.91	22.97	23.05	24
		1	107	22.80	22.85	22.87	24
OFDM-OFDM QPSK	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	
	100	108	21.93	22.03	22.07	23	
	216	0	21.92	21.98	22.00	23	
SW	MCS Index	Channel		171000	170000	169000	Max. Tx Power (dBm)
		Frequency (MHz)		1880	1880.5	1880	
10M	OFDM-OFDM QPSK	1	1	22.83	22.90	23.00	24
30M	MCS Index	Channel		171000	170000	169000	Max. Tx Power (dBm)
		Frequency (MHz)		1880.5	1880.5	1880.5	
30M	OFDM-OFDM QPSK	1	1	22.87	22.92	23.03	24
10M	MCS Index	Channel		171000	170000	169000	Max. Tx Power (dBm)
		Frequency (MHz)		1880	1880.5	1880	
10M	OFDM-OFDM QPSK	1	1	22.84	22.89	23.01	24
15M	MCS Index	Channel		171000	170000	169000	Max. Tx Power (dBm)
		Frequency (MHz)		1880.5	1880.5	1880.5	
15M	OFDM-OFDM QPSK	1	1	22.90	22.96	23.02	24
30M	MCS Index	Channel		171000	170000	169000	Max. Tx Power (dBm)
		Frequency (MHz)		1880	1880.5	1880	
30M	OFDM-OFDM QPSK	1	1	22.87	22.94	22.97	24
SW	MCS Index	Channel		171000	170000	169000	Max. Tx Power (dBm)
		Frequency (MHz)		1880.5	1880.5	1880.5	
SW	OFDM-OFDM QPSK	1	1	22.88	22.89	22.93	24

n30 (SCS 15 kHz) (Ant1)							
BW	MCS Index	RB Set	RB Offset	Low	HM	High	Max. Tx Power (dBm)
		Channel Frequency (MHz)	Channel Index	Low	HM	High	
10M	OFDM-OFDM PUSC BPSK	1	1		22.58		24
		1	25		22.61		24
		1	50		22.62		24
		25	0		22.58		23.5
		25	14		22.72		24
	OFDM-OFDM QPSK	25	27		22.17		23.5
		50	0		22.26		23.5
		1	1		22.91		24
		1	25		22.70		24
		1	50		22.78		24
15M	OFDM-OFDM QPSK	25	0		21.79		23
		25	14		22.76		24
		25	27		21.73		23
		50	0		21.76		23
		1	1		21.85		23
SW	MCS Index	Channel		163300	163000	162000	Max. Tx Power (dBm)
		Frequency (MHz)		2287.5	2285	2282.5	
SW	OFDM-OFDM QPSK	1	1	22.67	22.70	22.84	24

n38 (SCS 30 kHz) (Ant1)							
BW	MCS Index	RB Set	Channel	Low	HM	High	Max. Tx Power (dBm)
		Frequency (MHz)	Channel Index	Low	HM	High	
10M	OFDM-OFDM PUSC BPSK	1	1	23.04	23.12	23.10	24
		1	52	23.96	23.06	23.02	24
		1	104	23.98	23.13	23.10	24
		50	0	23.95	22.70	23.63	23.5
		50	26	22.99	23.13	23.66	24
	OFDM-OFDM QPSK	50	56	22.67	22.76	23.68	23.5
		100	0	22.95	22.69	22.72	23.5
		1	1	23.03	23.14	23.06	24
		1	52	23.95	23.10	22.97	24
		1	104	23.94	23.09	23.05	24
15M	OFDM-OFDM QPSK	50	0	22.08	22.18	22.13	23
		50	26	23.04	23.08	23.05	24
		50	56	22.25	22.31	22.26	23
		100	0	21.97	22.04	22.08	23
		1	1	21.63	21.73	21.78	23
SW	MCS Index	Channel		167800	167800	167800	Max. Tx Power (dBm)
		Frequency (MHz)		2888	2888	2888	
SW	OFDM-OFDM QPSK	1	1	22.92	22.99	22.98	24
30M	MCS Index	Channel		167800	167800	167800	Max. Tx Power (dBm)
		Frequency (MHz)		2888	2888	2888	
30M	OFDM-OFDM QPSK	1	1	22.97	23.02	23.01	24

n41 (SCS 30 kHz) (Ant1)									
BW	MCS Index	RB Set		Low	Mid	High	Max. Tx Power (dBm)		
		Channel	Frequency (MHz)	Start	End	End			
100M	OFDM-OFDM PUSCH	1	1	23.03	23.00	23.09	24		
		1	137	22.86	22.96	23.07	24		
		1	271	22.80	22.75	22.87	24		
		135	0	22.43	22.36	22.60	23.5		
		135	69	22.38	22.65	23.10	24		
		135	138	22.40	22.36	22.63	23.5		
		270	0	22.34	22.45	22.57	23.5		
		1	1	23.03	23.00	23.13	24		
	OFDM-OFDM PDSCH	1	137	22.02	23.04	23.12	24		
		1	272	22.75	22.77	22.91	24		
		135	0	22.02	22.05	22.18	23		
		135	69	22.94	23.05	23.12	24		
		135	138	22.12	22.15	22.29	23		
		270	0	21.87	22.02	22.09	23		
		1	1	21.49	21.53	21.71	23		
		1	1	20.15	20.24	20.34	21.5		
		1	1	18.29	18.40	18.51	19.5		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
30M	OFDM-OFDM PUSCH	1	1	23.03	23.04	23.11	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
30M	OFDM-OFDM PDSCH	1	1	22.92	22.97	23.11	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
60M	OFDM-OFDM PUSCH	1	1	22.99	23.02	23.04	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
100M	OFDM-OFDM PUSCH	1	1	22.99	23.04	23.06	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
40M	OFDM-OFDM PUSCH	1	1	22.98	23.04	23.01	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
30M	OFDM-OFDM PUSCH	1	1	22.96	22.95	23.04	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
20M	OFDM-OFDM PUSCH	1	1	22.89	23.02	23.09	24		

n41 (SCS 30 kHz) Ant 1+2									
BW	MCS Index	RB Set		Low	Mid	High	Max. Tx Power (dBm)		
		Channel	Frequency (MHz)	Start	End	End			
100M	OFDM-OFDM PUSCH	1	1	22.47	22.78	22.73	24		
		1	137	22.29	22.47	22.61	24		
		1	271	22.31	22.30	22.42	24		
		137	0	20.77	20.77	21.04	22		
		137	69	20.18	20.40	21.07	24		
		137	136	20.50	21.01	21.11	22		
		270	0	20.64	20.92	21.07	22		
		1	1	21.93	21.90	22.07	23		
	OFDM-OFDM PDSCH	1	1	20.00	19.94	20.06	21		
		1	1	17.38	17.39	17.55	19		
		Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
		Index		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
		Index		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
		Index		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
		Index		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
		Index		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
30M	OFDM-OFDM PUSCH	1	1	22.43	22.61	22.58	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
60M	OFDM-OFDM PUSCH	1	1	22.43	22.59	22.57	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
60M	OFDM-OFDM PUSCH	1	1	22.36	22.62	22.53	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
30M	OFDM-OFDM PUSCH	1	1	22.46	22.40	22.55	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
40M	OFDM-OFDM PUSCH	1	1	22.39	22.45	22.23	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
30M	OFDM-OFDM PUSCH	1	1	22.51	22.69	22.17	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
20M	OFDM-OFDM PUSCH	1	1	22.32	22.43	22.29	24		

n48 (SCS 30 kHz) (Ant7)									
BW	MCS Index	RB Set		Low	Mid	High	Max. Tx Power (dBm)		
		Channel	Frequency (MHz)	Start	End	End			
40M	OFDM-OFDM PUSCH	1	1	23.07	23.00	23.14	24		
		1	52	23.15	23.06	23.30	24		
		1	104	23.23	23.17	23.37	24		
		90	0	22.60	22.67	22.62	23.5		
		90	38	23.11	23.26	23.37	24		
		90	96	23.73	22.67	22.94	23.5		
		100	0	22.60	22.96	22.78	23.5		
		1	1	23.29	23.31	23.45	24		
	OFDM-OFDM PDSCH	1	52	23.23	23.14	23.39	24		
		1	104	23.29	23.21	23.41	24		
		50	0	22.29	22.20	22.42	23		
		50	38	23.27	23.13	23.38	24		
		50	96	22.20	22.21	22.47	23		
		100	0	22.23	22.19	22.38	23		
		1	1	22.51	22.17	22.40	23		
		1	1	20.63	20.73	20.95	21.5		
		1	1	18.90	18.75	18.95	19.5		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
20M	OFDM-OFDM PUSCH	1	1	23.23	23.19	23.42	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
20M	OFDM-OFDM PUSCH	1	1	23.25	23.18	23.36	24		

n66 (SCS 15 kHz) (Ant1)									
BW	MCS Index	RB Set		Low	Mid	High	Max. Tx Power (dBm)		
		Channel	Frequency (MHz)	Start	End	End			
40M	OFDM-OFDM PUSCH	1	1	22.89	23.01	22.95	24		
		1	107	22.94	22.96	22.95	24		
		1	214	22.78	22.88	22.87	24		
		108	0	22.49	22.58	22.56	23.5		
		108	54	22.80	22.96	22.92	24		
		108	108	22.92	22.94	23.07	23.5		
		216	0	22.48	22.58	22.56	23.5		
		1	1	23.02	23.13	23.08	24		
	OFDM-OFDM PDSCH	1	107	23.04	23.13	23.05	24		
		1	214	23.02	23.04	22.98	24		
		108	0	22.02	22.07	22.04	23		
		108	54	22.90	23.05	23.05	24		
		108	108	22.00	22.15	22.14	23		
		216	0	21.98	22.08	22.02	23		
		1	1	21.97	22.06	22.07	23		
		1	1	20.57	20.67	20.63	21.5		
		1	1	18.68	18.74	18.68	19.5		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
20M	OFDM-OFDM PUSCH	1	1	22.97	23.07	23.03	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
20M	OFDM-OFDM PUSCH	1	1	22.92	23.10	23.09	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
20M	OFDM-OFDM PUSCH	1	1	22.92	23.10	23.09	24		
BW	MCS Index	Channel		Frequency (MHz)	Start	End	End	Max. Tx Power (dBm)	
20M	OFDM-OFDM PUSCH	1	1	22.92	23.10	23.09	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+CPDM PUSC	1	1	22.88	22.91	22.90	24	1	1	22.88	22.91	22.90	24			
		1	53	22.87	23.00	22.98	24	1	53	22.87	23.00	22.98	24			
		1	104	22.85	22.96	22.98	24	1	104	22.85	22.96	22.98	24			
		50	0	22.46	22.56	22.50	23.5	50	0	22.46	22.56	22.50	23.5			
		50	20	22.97	23.01	23.00	24	50	20	22.97	23.01	23.00	24			
	OFDM+CPDM CPSC	50	50	23.48	23.54	23.49	23.5	50	50	23.48	23.54	23.49	23.5			
		100	0	22.52	22.52	22.52	23.5	100	0	22.52	22.52	22.52	23.5			
		1	1	23.08	23.13	23.12	24	1	1	23.08	23.13	23.12	24			
		1	53	23.01	23.07	23.07	24	1	53	23.01	23.07	23.07	24			
		1	104	23.04	23.11	23.09	24	1	104	23.04	23.11	23.09	24			
10M	OFDM+CPDM CPSC	50	0	22.01	22.05	21.98	23	50	0	22.01	22.05	21.98	23			
		50	50	23.00	23.09	23.07	24	50	50	23.00	23.09	23.07	24			
		50	50	21.97	22.06	22.03	23	50	50	21.97	22.06	22.03	23			
		100	0	22.05	22.06	22.03	23	100	0	22.05	22.06	22.03	23			
		1	1	21.97	22.04	22.01	23	1	1	21.97	22.04	22.01	23			
	OFDM+CPDM CPSC	OFDM+CPDM CPSC	1	1	20.49	20.54	20.48	21.5	OFDM+CPDM CPSC	1	1	20.49	20.54	20.48	21.5	
		OFDM+CPDM CPSC	1	1	18.51	18.57	18.54	19.5	OFDM+CPDM CPSC	1	1	18.51	18.57	18.54	19.5	
		MCS Index	Channel	Frequency (MHz)	572.00	585.00	138.00	Max. Time-up	Channel	Frequency (MHz)	572.00	585.00	138.00	Max. Time-up		
			15M	OFDM+CPDM CPSC	1	1	23.01	23.04	23.08	24	15M	OFDM+CPDM CPSC	1	1	23.01	23.04
5M	MCS Index	Channel	Frequency (MHz)	588	591.5	60	Max. Time-up	Channel	Frequency (MHz)	588	591.5	60	Max. Time-up			
		10M	OFDM+CPDM CPSC	1	1	22.00	22.03	22.07	24	10M	OFDM+CPDM CPSC	1	1	22.00	22.03	22.07
	MCS Index	Channel	Frequency (MHz)	588.00	591.50	138.00	Max. Time-up	Channel	Frequency (MHz)	588.00	591.50	138.00	Max. Time-up			
		5M	OFDM+CPDM CPSC	1	1	23.07	23.11	23.12	24	5M	OFDM+CPDM CPSC	1	1	23.07	23.11	23.12

n77 (SCS 30 kHz) (Am7) 3450MHz-3550MHz for FCC																
BW	MCS Index	RB Set	Channel	RB Offset	Low	High	Max. Time-up (dBm)	RB Set	Channel	RB Offset	Low	High	Max. Time-up (dBm)			
		Frequency (MHz)	622.00	635.00	24	Frequency (MHz)	622.00	635.00	24							
100M	OFDM+CPDM PUSC	1	1	22.78	22.78	24		1	1	22.78	22.78	24				
		1	137	22.76	22.76	24		1	137	22.76	22.76	24				
		1	271	22.81	22.81	24		1	271	22.81	22.81	24				
		135	0	22.34	22.34	23.5		135	0	22.34	22.34	23.5				
		135	60	22.77	22.77	24		135	60	22.77	22.77	24				
	OFDM+CPDM CPSC	135	138	22.34	22.34	23.5		135	138	22.34	22.34	23.5				
		270	0	22.30	22.30	23.5		270	0	22.30	22.30	23.5				
		1	1	22.95	22.95	24		1	1	22.95	22.95	24				
		1	137	22.94	22.94	24		1	137	22.94	22.94	24				
		1	271	22.75	22.75	24		1	271	22.75	22.75	24				
50M	OFDM+CPDM CPSC	135	0	21.88	21.88	23		135	0	21.88	21.88	23				
		135	60	21.85	21.85	24		135	60	21.85	21.85	24				
		135	138	21.81	21.81	23		135	138	21.81	21.81	23				
		270	0	21.78	21.78	23		270	0	21.78	21.78	23				
		1	1	21.82	21.82	23		1	1	21.82	21.82	23				
	OFDM+CPDM CPSC	1	1	20.46	20.46	21.5		1	1	20.46	20.46	21.5				
		1	1	18.47	18.47	19.5		1	1	18.47	18.47	19.5				
	MCS Index	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up			
		30M	OFDM+CPDM CPSC	1	1	22.85	22.86	22.89	24	30M	OFDM+CPDM CPSC	1	1	22.85	22.86	22.89
30M	MCS Index	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up			
		15M	OFDM+CPDM CPSC	1	1	22.85	22.86	22.89	24	15M	OFDM+CPDM CPSC	1	1	22.85	22.86	22.89
	MCS Index	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up			
		5M	OFDM+CPDM CPSC	1	1	22.84	22.84	22.89	24	5M	OFDM+CPDM CPSC	1	1	22.84	22.84	22.89
	MCS Index	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up			
		15M	OFDM+CPDM CPSC	1	1	22.84	22.85	22.85	24	15M	OFDM+CPDM CPSC	1	1	22.84	22.85	22.85
	MCS Index	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up			
		5M	OFDM+CPDM CPSC	1	1	22.83	22.83	22.84	24	5M	OFDM+CPDM CPSC	1	1	22.83	22.83	22.84
	15M	MCS Index	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up		
			5M	OFDM+CPDM CPSC	1	1	22.83	22.84	22.84	24	5M	OFDM+CPDM CPSC	1	1	22.83	22.84
MCS Index		Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up			
		5M	OFDM+CPDM CPSC	1	1	22.83	22.84	22.84	24	5M	OFDM+CPDM CPSC	1	1	22.83	22.84	22.84
MCS Index		Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up			
		5M	OFDM+CPDM CPSC	1	1	22.83	22.84	22.84	24	5M	OFDM+CPDM CPSC	1	1	22.83	22.84	22.84
MCS Index		Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up	Channel	Frequency (MHz)	632.00	632.00	638.00	Max. Time-up			
		5M	OFDM+CPDM CPSC	1	1	22.83	22.84	22.84	24	5M	OFDM+CPDM CPSC	1	1	22.83	22.84	22.84

n77 (SCS 30 kHz) (Am7) 3700MHz-3800MHz for FCC															
BW	MCS Index	RB Set		RB Offset	Low	High	Max. Time-up (dBm)	RB Set		RB Offset	Low	High	Max. Time-up (dBm)		
		Channel	Frequency (MHz)					Channel	Frequency (MHz)						
100M	OFDM+CPDM PUSC	1	1	22.72	22.78	22.80	24	1	1	22.72	22.78	22.80	24		
		1	137	22.75	22.79	22.85	24	1	137	22.75	22.79	22.85	24		
		1	271	22.88	22.89	22.84	24	1	271	22.88	22.89	22.84	24		
		135	0	22.34	22.38	22.38	23.5	135	0	22.34	22.38	22.38	23.5		
		135	60	22.82	22.81	22.76	24	135	60	22.82	22.81	22.76	24		
		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	23.03	24	1	1	22.99	23.02	23.03	24		
	OFDM+CPDM CPSC	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		
		135	0	21.97	22.01	21.84	23	135	0	21.97	22.01	21.84	23		
		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	135	138	21.92	21.97	21.80	23		
		270	0	21.96	21.94	21.83	23	270	0	21.96	21.94	21.83	23		
		1	1	21.96	22.00	21.83	23	1	1	21.96	22.00	21.83	23		
		1	1	20.48	20.52	20.33	21.5	1	1	20.48	20.52	20.33	21.5		
50M	MCS Index	Channel	Frequency (MHz)	3782.00	3800.00	638.00	Max. Time-up	Channel	Frequency (MHz)	3782.00	3800.00	638.00	Max. Time-up		
30M	OFDM+CPDM CPSC	1	1	22.98	22.92	22.92	24	30M	OFDM+CPDM CPSC	1	1	22.98	22.92	22.92	24
15M	OFDM+CPDM CPSC	1	1	22.98	22.92	22.92	24	15M	OFDM+CPDM CPSC	1	1	22.98	22.92	22.92	24
7.5M	OFDM+CPDM CPSC	1	1	22.98	22.92	22.92	24	7.5M	OFDM+CPDM CPSC	1	1	22.98	22.92	22.92	24
3.75M	OFDM+CPDM CPSC	1	1	22.98	22.92	22.92	24	3.75M	OFDM+CPDM CPSC	1	1	22.98	22.92	22.92	24
60M	OFDM+CPDM CPSC	1	1	22.93	22.97	22.98	24	60M	OFDM+CPDM CPSC	1	1	22.93	22.97	22.98	24
30M	MCS Index	Channel	Frequency (MHz)	3782.00	3800.00	638.00	Max. Time-up	Channel	Frequency (MHz)	3782.00	3800.00	638.00	Max. Time-up		
15M	OFDM+CPDM CPSC	1	1	22.97	22.94	22.94	24	15M	OFDM+CPDM CPSC	1	1	22.97	22.94	22.94	24
7.5M	OFDM+CPDM CPSC	1	1	22.97	22.94	22.94	24	7.5M	OFDM+CPDM CPSC	1	1	22.97	22.94	22.94	24
3.75M	OFDM+CPDM CPSC	1	1	22.97	22.94	22.94	24	3.75M	OFDM+CPDM CPSC	1	1	22.97	22.94	22.94	24
40M	OFDM+CPDM CPSC	1	1	22.90	23.01	22.98	24	40M	OFDM+CPDM CPSC	1	1	22.90	23.01	22.98	24
20M	MCS Index	Channel	Frequency (MHz)	3782.00	3800.00	638.00	Max. Time-up	Channel	Frequency (MHz)	3782.00	3800.00	638.00	Max. Time-up		
10M	OFDM+CPDM CPSC	1	1	22.92	22.98	22.97	24	10M	OFDM+CPDM CPSC	1	1	22.92	22.98	22.97	24
5M	OFDM+CPDM CPSC	1	1	22.91	23.02	22.93	24	5M	OFDM+CPDM CPSC	1	1	22.91	23.02	22.93	24

n77 (SCS 30 kHz) (Ant7+6) 3450MHz-3550MHz for FCC									
BW	MCS Index	RB Size	RB Offset	RB	PRB	PRB	PRB	Max. Turn-up (dB)	
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)		
100M	CP-OFDM QPSK	1	1		22.23			24	
		1	137		22.34			24	
		1	275		22.42			24	
		137	0		22.37			22	
		137	46		22.35			24	
		137	136		22.36			22	
		275	0		22.42			22	
		CP-OFDM BPSK	1	1		22.65		23	
		CP-OFDM QPSK	1	1		22.37		21	
		CP-OFDM QPSK	1	1		17.27		19	
50M	MCS Index	Channel	62000	62000	62000			Max. Turn-up	
		Frequency (MHz)	3485	3500.5	3504.50				
50M	CP-OFDM QPSK	1	1	22.18	22.21	22.19	24		
50M	MCS Index	Channel	62000	62000	62000			Max. Turn-up	
		Frequency (MHz)	3485.50	3500.5	3504.5				
50M	CP-OFDM QPSK	1	1	22.16	22.17	22.04	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3485.5	3500.5	3514.50				
70M	CP-OFDM QPSK	1	1	22.10	22.08	22.01	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3485	3500.5	3504.50				
60M	CP-OFDM QPSK	1	1	22.10	22.10	22.17	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3475.50	3500.5	3525				
50M	CP-OFDM QPSK	1	1	22.09	22.16	22.04	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3475.50	3500.5	3525.50				
40M	CP-OFDM QPSK	1	1	22.13	22.18	22.07	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3485	3500.5	3504.50				
30M	CP-OFDM QPSK	1	1	22.18	22.15	22.10	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3480.50	3500.5	3504.5				
20M	CP-OFDM QPSK	1	1	22.04	22.15	22.05	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3485.50	3500.5	3504.50				
10M	CP-OFDM QPSK	1	1	22.08	22.12	22.10	24		

n77 (SCS 30 kHz) (Ant7+6) 3700MHz-3800MHz for FCC										
BW	MCS Index	RB Size	RB Offset	Low	RB	PRB	PRB	Max. Turn-up (dB)		
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)			
100M	CP-OFDM QPSK	1	1	22.43	22.45	22.37	24			
		1	137	22.35	22.42	22.32	24			
		1	275	22.28	22.30	22.23	24			
		137	0	20.89	20.98	20.95	22			
		137	68	22.38	22.41	22.34	24			
		137	136	20.69	20.74	20.66	22			
		275	0	20.86	20.92	20.84	22			
		CP-OFDM BPSK	1	1	20.05	20.10	20.02	19		
		CP-OFDM QPSK	1	1	17.67	17.63	17.60	19		
		CP-OFDM QPSK	1	1	17.67	17.57	17.57	19		
50M	MCS Index	Channel	64000	64000	64000			Max. Turn-up		
		Frequency (MHz)	3715.50	3800	3804.50					
50M	CP-OFDM QPSK	1	1	22.37	22.30	22.35	24			
50M	MCS Index	Channel	64000	64000	64000			Max. Turn-up		
		Frequency (MHz)	3715.51	3800	3804.50					
50M	CP-OFDM QPSK	1	1	22.33	22.31	22.27	24			
50M	MCS Index	Channel	65000	65000	65000			Max. Turn-up		
		Frequency (MHz)	3715	3800	3804.5					
70M	CP-OFDM QPSK	1	1	22.32	22.43	22.26	24			
50M	MCS Index	Channel	65000	65000	65000			Max. Turn-up		
		Frequency (MHz)	3715.50	3800	3804.50					
60M	CP-OFDM QPSK	1	1	22.28	22.31	22.30	24			
50M	MCS Index	Channel	65000	65000	65000			Max. Turn-up		
		Frequency (MHz)	3715.50	3800	3804.50					
50M	CP-OFDM QPSK	1	1	22.40	22.41	22.34	24			
50M	MCS Index	Channel	66000	66000	66000			Max. Turn-up		
		Frequency (MHz)	3720	3800	3804.5					
40M	CP-OFDM QPSK	1	1	22.42	22.37	22.31	24			
50M	MCS Index	Channel	66000	66000	66000			Max. Turn-up		
		Frequency (MHz)	3715.50	3800	3804.50					
30M	CP-OFDM QPSK	1	1	22.28	22.30	22.30	24			
50M	MCS Index	Channel	66000	66000	66000			Max. Turn-up		
		Frequency (MHz)	3715.51	3800	3804.50					
20M	CP-OFDM QPSK	1	1	22.36	22.34	22.25	24			
50M	MCS Index	Channel	66000	66000	66000			Max. Turn-up		
		Frequency (MHz)	3715	3800	3804.5					
10M	CP-OFDM QPSK	1	1	22.42	22.42	22.29	24			

n78 (SCS 30 kHz) (Ant7+6) 3450MHz-3550MHz for FCC									
BW	MCS Index	RB Size	RB Offset	RB	PRB	PRB	PRB	Max. Turn-up (dB)	
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)		
100M	CP-OFDM QPSK	1	1		22.25			24	
		1	137		22.16			24	
		1	275		22.04			24	
		137	0		22.02			22	
		137	46		22.14			24	
		137	136		22.02			22	
		275	0		22.01			22	
		CP-OFDM BPSK	1	1		21.81		23	
		CP-OFDM QPSK	1	1		19.97		22	
		CP-OFDM QPSK	1	1		17.27		19	
50M	MCS Index	Channel	62000	62000	62000			Max. Turn-up	
		Frequency (MHz)	3485	3500.5	3504.50				
50M	CP-OFDM QPSK	1	1	22.21	22.20	22.19	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3485.50	3500.5	3504.5				
50M	CP-OFDM QPSK	1	1	22.14	22.08	22.15	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3485.5	3500.5	3514.50				
70M	CP-OFDM QPSK	1	1	22.14	22.13	22.14	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3485	3500.5	3504.50				
60M	CP-OFDM QPSK	1	1	22.15	22.09	22.10	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3475.50	3500.5	3525				
50M	CP-OFDM QPSK	1	1	22.07	22.16	22.16	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3475.50	3500.5	3525.50				
40M	CP-OFDM QPSK	1	1	22.18	22.18	22.17	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3485	3500.5	3504.50				
30M	CP-OFDM QPSK	1	1	22.11	22.16	22.10	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3480.50	3500.5	3504.5				
20M	CP-OFDM QPSK	1	1	22.20	22.19	22.12	24		
50M	MCS Index	Channel	63000	63000	63000			Max. Turn-up	
		Frequency (MHz)	3485.50	3500.5	3504.50				
10M	CP-OFDM QPSK	1	1	22.10	22.11	22.10	24		

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		
	DFT+QPSK QPSK	1	1	20.30	20.37	20.66	21		
		1	137	20.21	20.22	20.57	21		
		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	20.21	20.29	20.58	21		
	DFT+QPSK 8PSK	1	1	20.23	20.27	20.58	21		
	DFT+QPSK 8PSK	1	1	20.17	20.24	20.53	21		
	DFT+QPSK 8PSK	1	1	18.46	18.54	18.83	19.5		
BW	MCS Index	Channel		60600	60600	60700	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		2706.00	3000	3024.00			
		1	1	20.20	20.29	20.60	21		
BW	MCS Index	Channel		60700	60700	60700	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3700.00	3800	3800.00			
		1	1	20.21	20.20	20.58	21		
BW	MCS Index	Channel		60700	60700	60700	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3000.00	3000	3024.00			
		1	1	20.30	20.37	20.67	21		
BW	MCS Index	Channel		60800	60800	60900	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3706.00	3800	3800.00			
		1	1	20.23	20.26	20.58	21		
BW	MCS Index	Channel		60900	60900	60900	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3700.00	3800	3800.00			
		1	1	20.22	20.20	20.57	21		
BW	MCS Index	Channel		61000	61000	61000	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3706.00	3800	3800.00			
		1	1	20.23	20.26	20.58	21		
BW	MCS Index	Channel		61100	61100	61100	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3706.00	3800	3800.00			
		1	1	20.23	20.20	20.57	21		
BW	MCS Index	Channel		61200	61200	61200	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3706.00	3800	3800.00			
		1	1	20.23	20.20	20.57	21		
BW	MCS Index	Channel		61300	61300	61300	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3706.00	3800	3800.00			
		1	1	20.23	20.20	20.57	21		
BW	MCS Index	Channel		61400	61400	61400	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3706.00	3800	3800.00			
		1	1	20.23	20.20	20.57	21		
BW	MCS Index	Channel		61500	61500	61500	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3706.00	3800	3800.00			
		1	1	20.23	20.20	20.57	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)		3400.00	3550.00	3550.00			
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		
	DFT+QPSK QPSK	1	1		20.21		21		
		1	137		19.98		21		
		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		
BW	MCS Index	Channel		61600	61600	61600	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3400	3500.00	3504.00			
		1	1	20.21	20.13	20.15	21		
BW	MCS Index	Channel		61600	61600	61600	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3400.00	3500.00	3500			
		1	1	20.12	20.17	20.12	21		
BW	MCS Index	Channel		61700	61700	61700	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3400.00	3500.00	3504.00			
		1	1	20.10	20.15	20.21	21		
BW	MCS Index	Channel		61800	61800	61800	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3400	3500.00	3504.00			
		1	1	20.10	20.13	20.15	21		
BW	MCS Index	Channel		61900	61900	61900	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3400.00	3500.00	3500			
		1	1	20.17	20.12	20.21	21		
BW	MCS Index	Channel		62000	62000	62000	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3400.00	3500.00	3504.00			
		1	1	20.10	20.15	20.21	21		
BW	MCS Index	Channel		62100	62100	62100	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3400.00	3500.00	3504.00			
		1	1	20.10	20.15	20.17	21		
BW	MCS Index	Channel		62200	62200	62200	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3400.00	3500.00	3504.00			
		1	1	20.14	20.20	20.18	21		
BW	MCS Index	Channel		62300	62300	62300	Max. Turn-up		
30M	DFT+QPSK 8PSK	Frequency (MHz)		3400.00	3500.00	3504.00			
		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		Maximum Power (dBm)
					RB Size	RB offset	RB Size	RB offset	Tune up Limit (dBm)
132072	1720	132270	1739.8	QPSK	1	99	1	0	22.90
				16QAM	1	99	1	0	22.09
				64QAM	1	99	1	0	21.08
				256QAM	1	99	1	0	18.11
132323	1745.1	132521	1764.9	QPSK	1	99	1	0	22.93
				16QAM	1	99	1	0	22.05
				64QAM	1	99	1	0	21.12
				256QAM	1	99	1	0	18.14
132374	1750.2	132572	1770	QPSK	1	99	1	0	22.90
				16QAM	1	99	1	0	22.05
				64QAM	1	99	1	0	21.08
				256QAM	1	99	1	0	18.18

DL CA Power

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

ID	Measurement	LTC Model 2 (mV)									
		Frequency (Hz)	Amplitude (mV)	Line	Area	Range	Units	Units	Units	Units	Units
		Frequency (Hz)	Amplitude (mV)	Line	Area	Range	Units	Units	Units	Units	Units
2000	UPH1	1	100	20.22	20.22	20.22	1	mV	1	mV	1
		2	100	20.22	20.22	20.22	1	mV	1	mV	1
		3	100	20.22	20.22	20.22	1	mV	1	mV	1
		4	100	20.22	20.22	20.22	1	mV	1	mV	1
	UPH2	1	100	20.22	20.22	20.22	1	mV	1	mV	1
		2	100	20.22	20.22	20.22	1	mV	1	mV	1
		3	100	20.22	20.22	20.22	1	mV	1	mV	1
		4	100	20.22	20.22	20.22	1	mV	1	mV	1
	UPH3	1	100	20.22	20.22	20.22	1	mV	1	mV	1
		2	100	20.22	20.22	20.22	1	mV	1	mV	1
		3	100	20.22	20.22	20.22	1	mV	1	mV	1
		4	100	20.22	20.22	20.22	1	mV	1	mV	1
2000	UPH1	1	100	20.22	20.22	20.22	1	mV	1	mV	1
		2	100	20.22	20.22	20.22	1	mV	1	mV	1
		3	100	20.22	20.22	20.22	1	mV	1	mV	1
		4	100	20.22	20.22	20.22	1	mV	1	mV	1
	UPH2	1	100	20.22	20.22	20.22	1	mV	1	mV	1
		2	100	20.22	20.22	20.22	1	mV	1	mV	1
		3	100	20.22	20.22	20.22	1	mV	1	mV	1
		4	100	20.22	20.22	20.22	1	mV	1	mV	1
	UPH3	1	100	20.22	20.22	20.22	1	mV	1	mV	1
		2	100	20.22	20.22	20.22	1	mV	1	mV	1
		3	100	20.22	20.22	20.22	1	mV	1	mV	1
		4	100	20.22	20.22	20.22	1	mV	1	mV	1
2000	UPH1	1	100	20.22	20.22	20.22	1	mV	1	mV	1
		2	100	20.22	20.22	20.22	1	mV	1	mV	1
		3	100	20.22	20.22	20.22	1	mV	1	mV	1
		4	100	20.22	20.22	20.22	1	mV	1	mV	1
	UPH2	1	100	20.22	20.22	20.22	1	mV	1	mV	1
		2	100	20.22	20.22	20.22	1	mV	1	mV	1
		3	100	20.22	20.22	20.22	1	mV	1	mV	1
		4	100	20.22	20.22	20.22	1	mV	1	mV	1
	UPH3	1	100	20.22	20.22	20.22	1	mV	1	mV	1
		2	100	20.22	20.22	20.22	1	mV	1	mV	1
		3	100	20.22	20.22	20.22	1	mV	1	mV	1
		4	100	20.22	20.22	20.22	1	mV	1	mV	1
2000	UPH1	1	100	20.22	20.22	20.22	1	mV	1	mV	1
		2	100	20.22	20.22	20.22	1	mV	1	mV	1
		3	100	20.22	20.22	20.22	1	m			

ID	Material	LTP Data Set 2 (2023)									
		2022		2023		2024		2025		2026	
		Prevalence (qPCR)	Prevalence (PCR)	Prevalence (qPCR)	Prevalence (PCR)	Prevalence (qPCR)	Prevalence (PCR)	Prevalence (qPCR)	Prevalence (PCR)	Prevalence (qPCR)	Prevalence (PCR)
J1	Urgent	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
	Engaged	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
J2	Urgent	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
	Engaged	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
J3	Urgent	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
	Engaged	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
J4	Urgent	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
	Engaged	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
J5	Urgent	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
	Engaged	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
J6	Urgent	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
	Engaged	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
J7	Urgent	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
	Engaged	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
J8	Urgent	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
	Engaged	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
J9	Urgent	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
	Engaged	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
J10	Urgent	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
	Engaged	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1

ID	Material	L/T Based - 5 (Aust)									
		Min Size (mm)	Max Size (mm)	Low (mm)	Med (mm)	High (mm)	Upper (mm)	Lower (mm)	Min. Density (g/cm³)	Max. Density (g/cm³)	
		Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	Percentage (%)	
1	SPH10	1	20	20.27	20.28	20.27	20.1	20.5	2.65	2.65	
		2	20	20.27	20.28	20.27	20.1	20.5	2.65	2.65	
		3	20	20.29	20.28	20.28	20.1	20.5	2.65	2.65	
		4	20	20.29	20.28	20.28	20.1	20.5	2.65	2.65	
		5	20	20.29	20.28	20.28	20.1	20.5	2.65	2.65	
		6	20	20.29	20.28	20.28	20.1	20.5	2.65	2.65	
		7	20	20.27	20.28	20.27	20.1	20.5	2.65	2.65	
		8	20	20.27	20.28	20.27	20.1	20.5	2.65	2.65	
		9	20	20.29	20.28	20.29	20.1	20.5	2.65	2.65	
		10	20	20.29	20.28	20.29	20.1	20.5	2.65	2.65	
2	SPH10	1	20	20.29	20.28	20.29	20.1	20.5	2.65	2.65	
		2	20	20.29	20.28	20.29	20.1	20.5	2.65	2.65	
		3	20	20.29	20.28	20.29	20.1	20.5	2.65	2.65	
		4	20	20.29	20.28	20.29	20.1	20.5	2.65	2.65	
		5	20	20.29	20.28	20.29	20.1	20.5	2.65	2.65	
		6	20	20.29	20.28	20.29	20.1	20.5	2.65	2.65	
		7	20	20.27	20.28	20.27	20.1	20.5	2.65	2.65	
		8	20	20.27	20.28	20.27	20.1	20.5	2.65	2.65	
		9	20	20.29	20.28	20.29	20.1	20.5	2.65	2.65	
		10	20	20.29	20.28	20.29	20.1	20.5	2.65	2.65	
3	SPH10	1	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		2	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		3	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		4	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		5	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		6	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		7	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		8	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		9	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		10	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
4	SPH10	1	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		2	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		3	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		4	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		5	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		6	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	
		7	20	20.27	20.27	20.27	20.1	20.5	2.65	2.65	

[illegible]

n25 (SCS 15 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		
20M	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		
		Channel	Frequency (MHz)	27080	27090	28000	Max. Time-up		
		MCS Index	Frequency (MHz)	188	188.5	180	Max. Time-up		
		10M	OFDM-CDMA QPUS	1	1	18.50	18.49	18.54	19.5
20M	OFDM-CDMA PUS DP5M	Channel	Frequency (MHz)	27080	27090	28000	Max. Time-up		
		MCS Index	Frequency (MHz)	27080	27090	28000	Max. Time-up		
		1	1	18.50	18.57	18.50	19.5		
		1	1	18.50	18.57	18.50	19.5		
		1	1	18.50	18.57	18.50	19.5		
	OFDM-CDMA QPUS	Channel	Frequency (MHz)	27080	27090	28000	Max. Time-up		
		MCS Index	Frequency (MHz)	27080	27090	28000	Max. Time-up		
		1	1	18.50	18.57	18.50	19.5		
		1	1	18.50	18.57	18.50	19.5		
		1	1	18.50	18.57	18.50	19.5		
40M	OFDM-CDMA PUS DP5M	Channel	Frequency (MHz)	27080	27090	28000	Max. Time-up		
		MCS Index	Frequency (MHz)	27080	27090	28000	Max. Time-up		
		1	1	18.44	18.51	18.53	19.5		
		1	1	18.44	18.51	18.53	19.5		
		1	1	18.44	18.51	18.53	19.5		
	OFDM-CDMA QPUS	Channel	Frequency (MHz)	27080	27090	28000	Max. Time-up		
		MCS Index	Frequency (MHz)	27080	27090	28000	Max. Time-up		
		1	1	18.48	18.50	18.66	19.5		
		1	1	18.48	18.50	18.66	19.5		
		1	1	18.48	18.50	18.66	19.5		

n30 (SCS 15 kHz) (Ant1)									
BW	MCS Index	RB Set	RB Offset	Low	High	RB Set	RB Offset	Low	High
		Channel	Frequency (MHz)	40200	40200	Channel	Frequency (MHz)	40200	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			
20M	OFDM-CDMA PUS DP5M	25	14	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	35.90		17			
		Channel	Frequency (MHz)	40200	40200	40200	Max. Time-up		
		MCS Index	Frequency (MHz)	40200	40200	40200	Max. Time-up		
		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		
		Channel	Frequency (MHz)	51000	51000	51000	Max. Time-up		
		MCS Index	Frequency (MHz)	51000	51000	51000	Max. Time-up		
		1	1	17.97	18.09	18.09	19		
20M	OFDM-CDMA PUS DP5M	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)	58000	58000	Channel	Frequency (MHz)	58000	58000
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	18.01	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	17.90	18.02	17.88	19		
20M	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	18.11	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		
		Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		MCS Index	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.03	18.09	18.09	19		
10M	OFDM-CDMA PUS DP5M	Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		MCS Index	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.10	17.95	18.20	19		
		Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.13	17.96	18.12	19		
	OFDM-CDMA QPUS	Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		MCS Index	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.11	17.94	18.15	19		
		Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.06	17.98	18.08	19		
5M	OFDM-CDMA PUS DP5M	Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		MCS Index	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.09	17.96	18.08	19		
		Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.13	17.94	18.15	19		
	OFDM-CDMA QPUS	Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		MCS Index	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.07	17.98	18.07	19		
		Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.23	17.94	18.15	19		
2.5M	OFDM-CDMA PUS DP5M	Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		MCS Index	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.06	18.03	18.17	19		
		Channel	Frequency (MHz)	58000	58000	58000	Max. Time-up		
		1	1	18.06	18.03	18.17	19		

n49 (SCS 30 kHz) (AmT)									
BW	MCS Index	Alt Slot	Alt Offset	Low	Mid	High	Max. Time-up (s)		
		Channel	Frequency (MHz)	320	640/320	960/480			
40M	OFDM+OFDM PUS DPW	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 16QAM	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)	637.024	638.024	640.000	Max. Time-up		
20M	OFDM+OFDM QPSK	1	1	20.36	20.49	20.44	21		
BW	MCS Index	Channel	Frequency (MHz)	637.996	638.996	640.000	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)	1760	3280	4760			
40M	OFDM+OFDM PUS DPW	1	1	19.03	18.98	18.88	20		
		1	107	18.89	18.97	18.10	20		
		1	214	19.05	18.89	18.83	20		
		100	0	18.81	18.94	18.93	20		
		100	54	19.07	19.01	18.84	20		
		100	108	18.91	19.13	18.91	20		
	OFDM+OFDM QPSK	216	0	19.04	19.04	19.12	20		
		1	1	19.07	19.16	19.10	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	19.00	20		
		100	54	18.95	19.05	19.02	20		
20M	OFDM+OFDM QPSK	100	108	18.93	19.03	19.04	20		
		216	0	18.95	19.07	18.98	20		
		1	1	19.01	18.88	18.10	20		
	OFDM+OFDM 16QAM	1	1	18.92	18.98	19.00	20		
		1	1	18.57	18.69	18.60	18.5		
BW	MCS Index	Channel	Frequency (MHz)	3630.0	3680.0	3730.0	Max. Time-up		
20M	OFDM+OFDM QPSK	1	1	19.11	19.11	19.05	20		
BW	MCS Index <td>Channel<th>Frequency (MHz)</th><td>3690.0</td><td>3690.0</td><td>3690.0</td><th>Max. Time-up</th><td></td><td></td></td>	Channel <th>Frequency (MHz)</th> <td>3690.0</td> <td>3690.0</td> <td>3690.0</td> <th>Max. Time-up</th> <td></td> <td></td>	Frequency (MHz)	3690.0	3690.0	3690.0	Max. Time-up		
20M	OFDM+OFDM QPSK	1	1	19.10	19.17	19.10	20		
BW	MCS Index <td>Channel<th>Frequency (MHz)</th><td>3710.0</td><td>3740.0</td><td>3770.0</td><th>Max. Time-up</th><td></td><td></td></td>	Channel <th>Frequency (MHz)</th> <td>3710.0</td> <td>3740.0</td> <td>3770.0</td> <th>Max. Time-up</th> <td></td> <td></td>	Frequency (MHz)	3710.0	3740.0	3770.0	Max. Time-up		
10M	OFDM+OFDM QPSK	1	1	18.88	19.08	19.18	20		
BW	MCS Index <td>Channel<th>Frequency (MHz)</th><td>3730.0</td><td>3760.0</td><td>3790.0</td><th>Max. Time-up</th><td></td><td></td></td>	Channel <th>Frequency (MHz)</th> <td>3730.0</td> <td>3760.0</td> <td>3790.0</td> <th>Max. Time-up</th> <td></td> <td></td>	Frequency (MHz)	3730.0	3760.0	3790.0	Max. Time-up		
10M	OFDM+OFDM QPSK	1	1	19.07	19.04	19.01	20		
BW	MCS Index <td>Channel<th>Frequency (MHz)</th><td>3750.0</td><td>3780.0</td><td>3810.0</td><th>Max. Time-up</th><td></td><td></td></td>	Channel <th>Frequency (MHz)</th> <td>3750.0</td> <td>3780.0</td> <td>3810.0</td> <th>Max. Time-up</th> <td></td> <td></td>	Frequency (MHz)	3750.0	3780.0	3810.0	Max. Time-up		
5M	OFDM+OFDM QPSK	1	1	19.05	19.08	19.12	20		

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)	6320.0	6320.0	6360.0			
100M	OFDM+OFDM PUS DPW	1	1	17.31		18.5			
		1	137	17.38		18.5			
		1	271	17.43		18.5			
		135	0	17.39		18.5			
		135	60	17.27		18.5			
		135	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			
		135	0	17.34		18.5			
		135	60	17.41		18.5			
60M	OFDM+OFDM QPSK	135	126	17.34		18.5			
		270	0	17.21		18.5			
		1	1	17.30		18.5			
	OFDM+OFDM 16QAM	1	1	17.39		18.5			
		1	1	17.39		18.5			
BW	MCS Index	Channel	Frequency (MHz)	6330.0	6330.0	6360.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.40	17.37	17.50	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6350.0	6330.0	6360.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.40	17.50	17.44	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6370.0	6330.0	6360.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.37	17.44	17.44	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6390.0	6330.0	6360.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.41	17.47	17.51	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6410.0	6330.0	6360.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.52	17.38	17.50	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6430.0	6330.0	6360.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.52	17.36	17.49	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6450.0	6330.0	6360.0	Max. Time-up		
40M	OFDM+OFDM QPSK	1	1	17.54	17.38	17.46	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6470.0	6330.0	6360.0	Max. Time-up		
20M	OFDM+OFDM QPSK	1	1	17.44	17.40	17.48	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6490.0	6330.0	6360.0	Max. Time-up		
20M	OFDM+OFDM QPSK	1	1	17.54	17.40	17.41	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6510.0	6330.0	6360.0	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)	6360.0	6360.0	6400.0			
100M	OFDM+OFDM PUS DPW	1	1	17.34	17.42	17.32	18.5		
		1	137	17.53	17.38	17.32	18.5		
		1	271	17.49	17.56	17.42	18.5		
		135	0	17.39	17.53	17.42	18.5		
		135	60	17.29	17.38	17.41	18.5		
		135	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		
		135	0	17.35	17.46	17.32	18.5		
		135	60	17.30	17.50	17.30	18.5		
60M	OFDM+OFDM QPSK	135	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 16QAM	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)	6360.0	6360.0	6400.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.43	17.45	17.58	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6380.0	6360.0	6400.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.46	17.50	17.39	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6400.0	6360.0	6400.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.40	17.50	17.39	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6420.0	6360.0	6400.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.54	17.47	17.53	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6440.0	6360.0	6400.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.50	17.42	17.49	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6460.0	6360.0	6400.0	Max. Time-up		
60M	OFDM+OFDM QPSK	1	1	17.50	17.36	17.49	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6480.0	6360.0	6400.0	Max. Time-up		
40M	OFDM+OFDM QPSK	1	1	17.49	17.47	17.46	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6500.0	6360.0	6400.0	Max. Time-up		
20M	OFDM+OFDM QPSK	1	1	17.50	17.47	17.48	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6520.0	6360.0	6400.0	Max. Time-up		
20M	OFDM+OFDM QPSK	1	1	17.43	17.49	17.53	18.5		
BW	MCS Index	Channel	Frequency (MHz)	6540.0	6360.0	6400.0	Max. Time-up		
10M	OFDM+OFDM QPSK	1	1	17.47	17.50	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		
		135	0		17.46		18.5		
		135	68		17.46		18.5		
	OFDM-QPSK	135	136		17.42		18.5		
		270	0		17.46		18.5		
		1	1		17.40		18.5		
		1	137		17.36		18.5		
		1	271		17.39		18.5		
60M	OFDM-QPSK	135	0		17.20		18.5		
		135	68		17.28		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
20M	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		17.58	17.43	17.57		18.5
		137	68		17.58	17.43	17.57		18.5
	OFDM-QPSK	137	136		17.58	17.43	17.57		18.5
		271	0		17.58	17.43	17.57		18.5
		1	1		17.58	17.43	17.57		18.5
10M	OFDM-QPSK	1	1		17.43	17.43	17.43		18.5
		1	137		17.43	17.43	17.43		18.5
		1	271		17.43	17.43	17.43		18.5
		137	0		17.43	17.43	17.43		18.5
		137	68		17.43	17.43	17.43		18.5
	OFDM-QPSK	137	136		17.43	17.43	17.43		18.5
		271	0		17.43	17.43	17.43		18.5
		1	1		17.43	17.43	17.43		18.5
5M	OFDM-QPSK	1	1		17.43	17.43	17.43		18.5
		1	137		17.43	17.43	17.43		18.5
		1	271		17.43	17.43	17.43		18.5
		137	0		17.43	17.43	17.43		18.5
		137	68		17.43	17.43	17.43		18.5
	OFDM-QPSK	137	136		17.43	17.43	17.43		18.5
		271	0		17.43	17.43	17.43		18.5
		1	1		17.43	17.43	17.43		18.5
2.5M	OFDM-QPSK	1	1		17.43	17.43	17.43		18.5
		1	137		17.43	17.43	17.43		18.5
		1	271		17.43	17.43	17.43		18.5
		137	0		17.43	17.43	17.43		18.5
		137	68		17.43	17.43	17.43		18.5
	OFDM-QPSK	137	136		17.43	17.43	17.43		18.5
		271	0		17.43	17.43	17.43		18.5
		1	1		17.43	17.43	17.43		18.5
1.25M	OFDM-QPSK	1	1		17.43	17.43	17.43		18.5
		1	137		17.43	17.43	17.43		18.5
		1	271		17.43	17.43	17.43		18.5
		137	0		17.43	17.43	17.43		18.5
		137	68		17.43	17.43	17.43		18.5
	OFDM-QPSK	137	136		17.43	17.43	17.43		18.5
		271	0		17.43	17.43	17.43		18.5
		1	1		17.43	17.43	17.43		18.5

[illegible]

LTE Band 42 FR16 (4G)											
5W	MCS Index	RB Size		Channel		Power		Rate		SINR	
		Frequency (MHz)	Bandwidth (MHz)	Power (dBm)	Power Spectral Density (dBm/MHz)	Rate (Mbps)	Rate Spectral Density (Mbps/MHz)	SINR (dB)	SINR Spectral Density (dB)	Power Spectral Density (dBm/MHz)	Turnup
QPSK	1	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	2	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	3	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	4	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	5	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
16QAM	6	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	7	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	8	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	9	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	10	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
64QAM	11	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	12	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	13	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	14	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	15	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	16	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	17	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	18	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	19	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	20	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	21	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	22	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	23	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	24	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	25	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	26	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	27	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	28	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	29	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	30	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	31	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	32	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	33	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	34	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	35	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	36	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	37	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	38	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	39	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	40	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	41	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	42	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	43	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	44	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	45	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	46	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	47	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	48	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	49	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	50	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	51	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	52	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	53	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	54	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	55	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	56	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	57	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	58	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	59	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	60	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	61	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	62	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	63	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	64	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	65	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	66	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	67	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	68	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	69	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	70	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	71	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	72	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	73	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	74	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	75	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	76	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	77	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	78	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	79	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	80	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	81	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	82	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	83	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	84	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	85	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	86	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	87	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	88	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	89	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	90	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	91	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	92	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	93	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	94	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	95	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	96	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	97	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
256QAM	98	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	99	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5
	100	0	0	0.000	-120.00	0.000	0.000	0.000	0.000	0.000	15.5

LTE Band 6 (4G)										
	BW	Modulation	Subcarrier		Time Slot	Power Spectral Density	Power Spectral Density	Power Spectral Density	Power Spectral Density	Power Spectral Density
			Min	Max						
250K	QPSK	Channel	15000	15000	15000	15000	15000	15000	15000	15000
		Frequency (MHz)	15000	15000	15000	15000	15000	15000	15000	15000
		1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311
	16QAM	15000	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		Frequency (MHz)	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311
	64QAM	15000	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		Frequency (MHz)	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311
256QAM	15000	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157	
	Frequency (MHz)	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157	
	1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157	
	2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311	
500K	QPSK	Channel	15000	15000	15000	15000	15000	15000	15000	15000
		Frequency (MHz)	15000	15000	15000	15000	15000	15000	15000	15000
		1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311
	16QAM	15000	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		Frequency (MHz)	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311
	64QAM	15000	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		Frequency (MHz)	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311
256QAM	15000	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157	
	Frequency (MHz)	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157	
	1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157	
	2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311	
1M	QPSK	Channel	15000	15000	15000	15000	15000	15000	15000	15000
		Frequency (MHz)	15000	15000	15000	15000	15000	15000	15000	15000
		1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311
	16QAM	15000	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		Frequency (MHz)	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311
	64QAM	15000	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		Frequency (MHz)	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157
		2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311
256QAM	15000	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157	
	Frequency (MHz)	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157	
	1	15.00	15.02	15.047	15.069	15.091	15.113	15.135	15.157	
	2	15.157	15.179	15.201	15.223	15.245	15.267	15.289	15.311	

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. (dB)
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)		
20M	OFDM-OFDM PUSCH	1	2	14.94	15.04	14.92	15		
		1	33	14.95	14.95	14.95	15		
		1	104	14.95	14.95	14.95	15		
		50	0	14.92	14.97	14.91	15		
		50	39	14.92	14.95	15.02	15		
		50	50	14.95	14.97	14.92	15		
	OFDM-OFDM PUSCH	100	0	15.00	14.91	14.95	15		
		1	1	14.97	15.05	14.97	15		
		1	33	14.98	14.95	14.92	15		
		1	104	14.97	14.90	14.93	15		
		50	0	15.02	14.99	15.01	15		
		50	39	14.97	14.91	14.99	15		
15M	OFDM-OFDM PUSCH	50	50	14.97	15.02	15.01	15		
		100	0	14.98	14.99	14.92	15		
		OFDM-OFDM PUSCH	1	1	14.97	14.97	15.04	15	
		OFDM-OFDM PUSCH	1	1	14.98	14.98	15.02	15	
		OFDM-OFDM PUSCH	1	1	14.98	14.92	14.94	15	
		Channel	27180	27630	38360	Max. Time-Int.			
10M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	15	
		Channel	27180	27630	38360	Max. Time-Int.			
5M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.95	15.02	15.04	15	
		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. (dB)
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)		
40M	OFDM-OFDM PUSCH	1	1	14.89	14.95	14.90	15		
		1	107	14.90	14.92	14.90	15		
		1	214	14.90	14.90	14.90	15		
		100	0	14.90	14.90	14.90	15		
		100	54	14.91	14.95	14.91	15		
		100	108	14.89	14.90	14.88	15		
	OFDM-OFDM PUSCH	214	0	14.89	14.89	14.88	15		
		1	1	14.91	15.04	14.79	15		
		1	107	14.90	14.95	14.94	15		
		1	214	14.90	14.90	14.92	15		
		100	0	14.97	14.94	14.84	15		
		100	54	14.92	14.95	14.89	15		
30M	OFDM-OFDM PUSCH	100	108	14.94	14.91	14.91	15		
		214	0	14.90	14.90	14.90	15		
		OFDM-OFDM PUSCH	1	1	14.94	14.97	14.96	15	
		OFDM-OFDM PUSCH	1	1	14.94	14.92	14.95	15	
		OFDM-OFDM PUSCH	1	1	14.93	14.92	14.88	15	
		Channel	27180	27630	38360	Max. Time-Int.			
20M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.84	14.95	14.74	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.84	14.95	14.74	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.84	14.95	14.74	15	
		Channel	27180	27630	38360	Max. Time-Int.			
15M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.89	14.95	14.79	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.89	14.95	14.79	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.89	14.95	14.79	15	
		Channel	27180	27630	38360	Max. Time-Int.			
10M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.84	14.95	14.73	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.84	14.95	14.73	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.84	14.95	14.73	15	
		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. (dB)
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)		
40M	OFDM-OFDM PUSCH	1	1	17.65	17.64	17.65	15		
		1	32	17.70	17.67	17.69	15		
		1	104	17.65	17.71	17.64	15		
		50	0	17.70	17.62	17.68	15		
		50	39	17.65	17.71	17.69	15		
		50	50	17.65	17.66	17.68	15		
	OFDM-OFDM PUSCH	100	0	17.72	17.71	17.61	15		
		1	1	17.73	17.73	17.76	15		
		1	32	17.63	17.58	17.75	15		
		1	104	17.72	17.68	17.60	15		
		50	0	17.66	17.74	17.62	15		
		50	39	17.75	17.70	17.70	15		
30M	OFDM-OFDM PUSCH	50	50	17.65	17.74	17.76	15		
		100	0	17.68	17.70	17.77	15		
		OFDM-OFDM PUSCH	1	1	17.72	17.76	17.76	15	
		OFDM-OFDM PUSCH	1	1	17.63	17.73	17.69	15	
		OFDM-OFDM PUSCH	1	1	17.73	17.61	17.70	15	
		Channel	27180	27630	38360	Max. Time-Int.			
20M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	17.65	17.73	17.67	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	17.65	17.73	17.67	15	
		Channel	27180	27630	38360	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	17.65	17.73	17.67	15	
		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. (dB)
		Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)		
40M	OFDM-OFDM PUSCH	1	1	14.95	14.95	14.95	15		
		1	107	14.94	14.93	14.96	15		
		1	214	14.93	14.93	14.93	15		
		100	0	14.93	14.93	14.93	15		
		100	54	14.93	14.99	14.90	15		
		100	108	14.93	14.93	14.93	15		
	OFDM-OFDM PUSCH	214	0	14.97	14.97	14.99	15		
		1	1	14.97	14.93	14.18	15		
		1	107	14.98	14.97	14.14	15		
		1	214	14.93	14.93	14.93	15		
		100	0	14.99	14.93	14.92	15		
		100	54	14.94	14.97	14.96	15		
30M	OFDM-OFDM PUSCH	100	108	14.93	14.94	14.94	15		
		214	0	14.98	14.93	14.94	15		
		OFDM-OFDM PUSCH	1	1	14.94	14.97	14.93	15	
		OFDM-OFDM PUSCH	1	1	14.93	14.98	14.94	15	
		OFDM-OFDM PUSCH	1	1	14.93	14.98	13.99	15	
		Channel	38880	38880	38880	Max. Time-Int.			
20M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.93	14.93	14.10	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.93	14.93	14.10	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.93	14.93	14.10	15	
		Channel	38880	38880	38880	Max. Time-Int.			
15M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.93	14.93	14.11	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.93	14.93	14.11	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.93	14.93	14.11	15	
		Channel	38880	38880	38880	Max. Time-Int.			
10M	OFDM-OFDM PUSCH	OFDM-OFDM PUSCH	1	1	14.93	14.93	14.12	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.93	14.93	14.12	15	
		Channel	38880	38880	38880	Max. Time-Int.			
		OFDM-OFDM PUSCH	1	1	14.93	14.93	14.12	15	
		Channel	38880	38880	38880	Max. Time-Int.			

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

WLAN/BT

Full Power							
2.5-30W WL40	Model	Channel	Frequency	Power	Antenna	Height	Max. Data Rate
							Mbps
2.5-30W WL40	WIS-L24-30W	1	2412	30W	2dBi	10m	90.00
	WIS-L24-30W	2	2424	30W	2dBi	10m	90.00
	WIS-L24-30W	3	2436	30W	2dBi	10m	90.00
	WIS-L24-30W	4	2448	30W	2dBi	10m	90.00
	WIS-L24-30W	5	2460	30W	2dBi	10m	90.00
	WIS-L24-30W	6	2472	30W	2dBi	10m	90.00
	WIS-L24-30W	7	2484	30W	2dBi	10m	90.00
	WIS-L24-30W	8	2496	30W	2dBi	10m	90.00
	WIS-L24-30W	9	2508	30W	2dBi	10m	90.00
	WIS-L24-30W	10	2520	30W	2dBi	10m	90.00
	WIS-L24-30W	11	2532	30W	2dBi	10m	90.00
	WIS-L24-30W	12	2544	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	13	2556	30W	2dBi	10m	90.00
	WIS-L24-30W	14	2568	30W	2dBi	10m	90.00
	WIS-L24-30W	15	2580	30W	2dBi	10m	90.00
	WIS-L24-30W	16	2592	30W	2dBi	10m	90.00
	WIS-L24-30W	17	2604	30W	2dBi	10m	90.00
	WIS-L24-30W	18	2616	30W	2dBi	10m	90.00
	WIS-L24-30W	19	2628	30W	2dBi	10m	90.00
	WIS-L24-30W	20	2640	30W	2dBi	10m	90.00
	WIS-L24-30W	21	2652	30W	2dBi	10m	90.00
	WIS-L24-30W	22	2664	30W	2dBi	10m	90.00
	WIS-L24-30W	23	2676	30W	2dBi	10m	90.00
	WIS-L24-30W	24	2688	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	25	2696	30W	2dBi	10m	90.00
	WIS-L24-30W	26	2704	30W	2dBi	10m	90.00
	WIS-L24-30W	27	2712	30W	2dBi	10m	90.00
	WIS-L24-30W	28	2724	30W	2dBi	10m	90.00
	WIS-L24-30W	29	2736	30W	2dBi	10m	90.00
	WIS-L24-30W	30	2748	30W	2dBi	10m	90.00
	WIS-L24-30W	31	2760	30W	2dBi	10m	90.00
	WIS-L24-30W	32	2772	30W	2dBi	10m	90.00
	WIS-L24-30W	33	2784	30W	2dBi	10m	90.00
	WIS-L24-30W	34	2796	30W	2dBi	10m	90.00
	WIS-L24-30W	35	2808	30W	2dBi	10m	90.00
	WIS-L24-30W	36	2820	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	37	2832	30W	2dBi	10m	90.00
	WIS-L24-30W	38	2844	30W	2dBi	10m	90.00
	WIS-L24-30W	39	2856	30W	2dBi	10m	90.00
	WIS-L24-30W	40	2868	30W	2dBi	10m	90.00
	WIS-L24-30W	41	2880	30W	2dBi	10m	90.00
	WIS-L24-30W	42	2892	30W	2dBi	10m	90.00
	WIS-L24-30W	43	2904	30W	2dBi	10m	90.00
	WIS-L24-30W	44	2916	30W	2dBi	10m	90.00
	WIS-L24-30W	45	2928	30W	2dBi	10m	90.00
	WIS-L24-30W	46	2940	30W	2dBi	10m	90.00
	WIS-L24-30W	47	2952	30W	2dBi	10m	90.00
	WIS-L24-30W	48	2964	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	49	2976	30W	2dBi	10m	90.00
	WIS-L24-30W	50	2988	30W	2dBi	10m	90.00
	WIS-L24-30W	51	2996	30W	2dBi	10m	90.00
	WIS-L24-30W	52	3004	30W	2dBi	10m	90.00
	WIS-L24-30W	53	3012	30W	2dBi	10m	90.00
	WIS-L24-30W	54	3020	30W	2dBi	10m	90.00
	WIS-L24-30W	55	3028	30W	2dBi	10m	90.00
	WIS-L24-30W	56	3036	30W	2dBi	10m	90.00
	WIS-L24-30W	57	3044	30W	2dBi	10m	90.00
	WIS-L24-30W	58	3052	30W	2dBi	10m	90.00
	WIS-L24-30W	59	3060	30W	2dBi	10m	90.00
	WIS-L24-30W	60	3068	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	61	3076	30W	2dBi	10m	90.00
	WIS-L24-30W	62	3084	30W	2dBi	10m	90.00
	WIS-L24-30W	63	3092	30W	2dBi	10m	90.00
	WIS-L24-30W	64	3100	30W	2dBi	10m	90.00
	WIS-L24-30W	65	3108	30W	2dBi	10m	90.00
	WIS-L24-30W	66	3116	30W	2dBi	10m	90.00
	WIS-L24-30W	67	3124	30W	2dBi	10m	90.00
	WIS-L24-30W	68	3132	30W	2dBi	10m	90.00
	WIS-L24-30W	69	3140	30W	2dBi	10m	90.00
	WIS-L24-30W	70	3148	30W	2dBi	10m	90.00
	WIS-L24-30W	71	3156	30W	2dBi	10m	90.00
	WIS-L24-30W	72	3164	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	73	3172	30W	2dBi	10m	90.00
	WIS-L24-30W	74	3180	30W	2dBi	10m	90.00
	WIS-L24-30W	75	3188	30W	2dBi	10m	90.00
	WIS-L24-30W	76	3196	30W	2dBi	10m	90.00
	WIS-L24-30W	77	3204	30W	2dBi	10m	90.00
	WIS-L24-30W	78	3212	30W	2dBi	10m	90.00
	WIS-L24-30W	79	3220	30W	2dBi	10m	90.00
	WIS-L24-30W	80	3228	30W	2dBi	10m	90.00
	WIS-L24-30W	81	3236	30W	2dBi	10m	90.00
	WIS-L24-30W	82	3244	30W	2dBi	10m	90.00
	WIS-L24-30W	83	3252	30W	2dBi	10m	90.00
	WIS-L24-30W	84	3260	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	85	3268	30W	2dBi	10m	90.00
	WIS-L24-30W	86	3276	30W	2dBi	10m	90.00
	WIS-L24-30W	87	3284	30W	2dBi	10m	90.00
	WIS-L24-30W	88	3292	30W	2dBi	10m	90.00
	WIS-L24-30W	89	3300	30W	2dBi	10m	90.00
	WIS-L24-30W	90	3308	30W	2dBi	10m	90.00
	WIS-L24-30W	91	3316	30W	2dBi	10m	90.00
	WIS-L24-30W	92	3324	30W	2dBi	10m	90.00
	WIS-L24-30W	93	3332	30W	2dBi	10m	90.00
	WIS-L24-30W	94	3340	30W	2dBi	10m	90.00
	WIS-L24-30W	95	3348	30W	2dBi	10m	90.00
	WIS-L24-30W	96	3356	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	97	3364	30W	2dBi	10m	90.00
	WIS-L24-30W	98	3372	30W	2dBi	10m	90.00
	WIS-L24-30W	99	3380	30W	2dBi	10m	90.00
	WIS-L24-30W	100	3388	30W	2dBi	10m	90.00
	WIS-L24-30W	101	3396	30W	2dBi	10m	90.00
	WIS-L24-30W	102	3404	30W	2dBi	10m	90.00
	WIS-L24-30W	103	3412	30W	2dBi	10m	90.00
	WIS-L24-30W	104	3420	30W	2dBi	10m	90.00
	WIS-L24-30W	105	3428	30W	2dBi	10m	90.00
	WIS-L24-30W	106	3436	30W	2dBi	10m	90.00
	WIS-L24-30W	107	3444	30W	2dBi	10m	90.00
	WIS-L24-30W	108	3452	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	109	3460	30W	2dBi	10m	90.00
	WIS-L24-30W	110	3468	30W	2dBi	10m	90.00
	WIS-L24-30W	111	3476	30W	2dBi	10m	90.00
	WIS-L24-30W	112	3484	30W	2dBi	10m	90.00
	WIS-L24-30W	113	3492	30W	2dBi	10m	90.00
	WIS-L24-30W	114	3500	30W	2dBi	10m	90.00
	WIS-L24-30W	115	3508	30W	2dBi	10m	90.00
	WIS-L24-30W	116	3516	30W	2dBi	10m	90.00
	WIS-L24-30W	117	3524	30W	2dBi	10m	90.00
	WIS-L24-30W	118	3532	30W	2dBi	10m	90.00
	WIS-L24-30W	119	3540	30W	2dBi	10m	90.00
	WIS-L24-30W	120	3548	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	121	3556	30W	2dBi	10m	90.00
	WIS-L24-30W	122	3564	30W	2dBi	10m	90.00
	WIS-L24-30W	123	3572	30W	2dBi	10m	90.00
	WIS-L24-30W	124	3580	30W	2dBi	10m	90.00
	WIS-L24-30W	125	3588	30W	2dBi	10m	90.00
	WIS-L24-30W	126	3596	30W	2dBi	10m	90.00
	WIS-L24-30W	127	3604	30W	2dBi	10m	90.00
	WIS-L24-30W	128	3612	30W	2dBi	10m	90.00
	WIS-L24-30W	129	3620	30W	2dBi	10m	90.00
	WIS-L24-30W	130	3628	30W	2dBi	10m	90.00
	WIS-L24-30W	131	3636	30W	2dBi	10m	90.00
	WIS-L24-30W	132	3644	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	133	3652	30W	2dBi	10m	90.00
	WIS-L24-30W	134	3660	30W	2dBi	10m	90.00
	WIS-L24-30W	135	3668	30W	2dBi	10m	90.00
	WIS-L24-30W	136	3676	30W	2dBi	10m	90.00
	WIS-L24-30W	137	3684	30W	2dBi	10m	90.00
	WIS-L24-30W	138	3692	30W	2dBi	10m	90.00
	WIS-L24-30W	139	3700	30W	2dBi	10m	90.00
	WIS-L24-30W	140	3708	30W	2dBi	10m	90.00
	WIS-L24-30W	141	3716	30W	2dBi	10m	90.00
	WIS-L24-30W	142	3724	30W	2dBi	10m	90.00
	WIS-L24-30W	143	3732	30W	2dBi	10m	90.00
	WIS-L24-30W	144	3740	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	145	3748	30W	2dBi	10m	90.00
	WIS-L24-30W	146	3756	30W	2dBi	10m	90.00
	WIS-L24-30W	147	3764	30W	2dBi	10m	90.00
	WIS-L24-30W	148	3772	30W	2dBi	10m	90.00
	WIS-L24-30W	149	3780	30W	2dBi	10m	90.00
	WIS-L24-30W	150	3788	30W	2dBi	10m	90.00
	WIS-L24-30W	151	3796	30W	2dBi	10m	90.00
	WIS-L24-30W	152	3804	30W	2dBi	10m	90.00
	WIS-L24-30W	153	3812	30W	2dBi	10m	90.00
	WIS-L24-30W	154	3820	30W	2dBi	10m	90.00
	WIS-L24-30W	155	3828	30W	2dBi	10m	90.00
	WIS-L24-30W	156	3836	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	157	3844	30W	2dBi	10m	90.00
	WIS-L24-30W	158	3852	30W	2dBi	10m	90.00
	WIS-L24-30W	159	3860	30W	2dBi	10m	90.00
	WIS-L24-30W	160	3868	30W	2dBi	10m	90.00
	WIS-L24-30W	161	3876	30W	2dBi	10m	90.00
	WIS-L24-30W	162	3884	30W	2dBi	10m	90.00
	WIS-L24-30W	163	3892	30W	2dBi	10m	90.00
	WIS-L24-30W	164	3900	30W	2dBi	10m	90.00
	WIS-L24-30W	165	3908	30W	2dBi	10m	90.00
	WIS-L24-30W	166	3916	30W	2dBi	10m	90.00
	WIS-L24-30W	167	3924	30W	2dBi	10m	90.00
	WIS-L24-30W	168	3932	30W	2dBi	10m	90.00
2.5-30W WL40	WIS-L24-30W	169	3940	30W	2dBi	10m	90.00
	WIS-L24-30W	170	3948	30W	2dBi	10m	90.00
	WIS-L24-30W	171	3956	30W	2dBi	10m	90.00
	WIS-L24-30W	172	3964	30W	2dBi	10m	90.00
	WIS-L24-30W	173	3972	30W	2dBi	10m	90.00
	WIS-L24-30W	174	3980	30W	2dBi	10m	90.00
	WIS-L24-30W	175	3988	30W	2dBi	10m	90.00
	WIS-L24-30W	17					